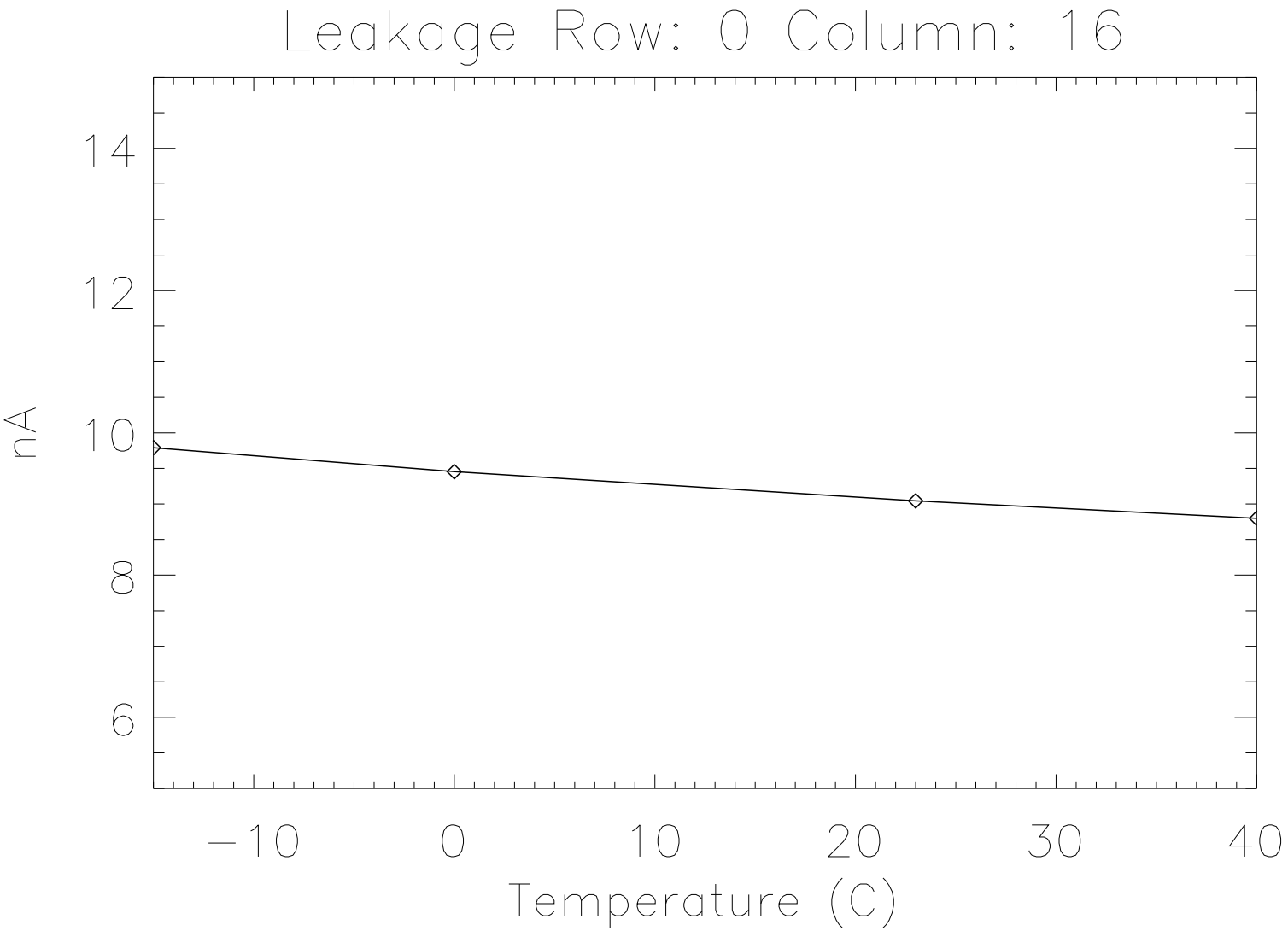
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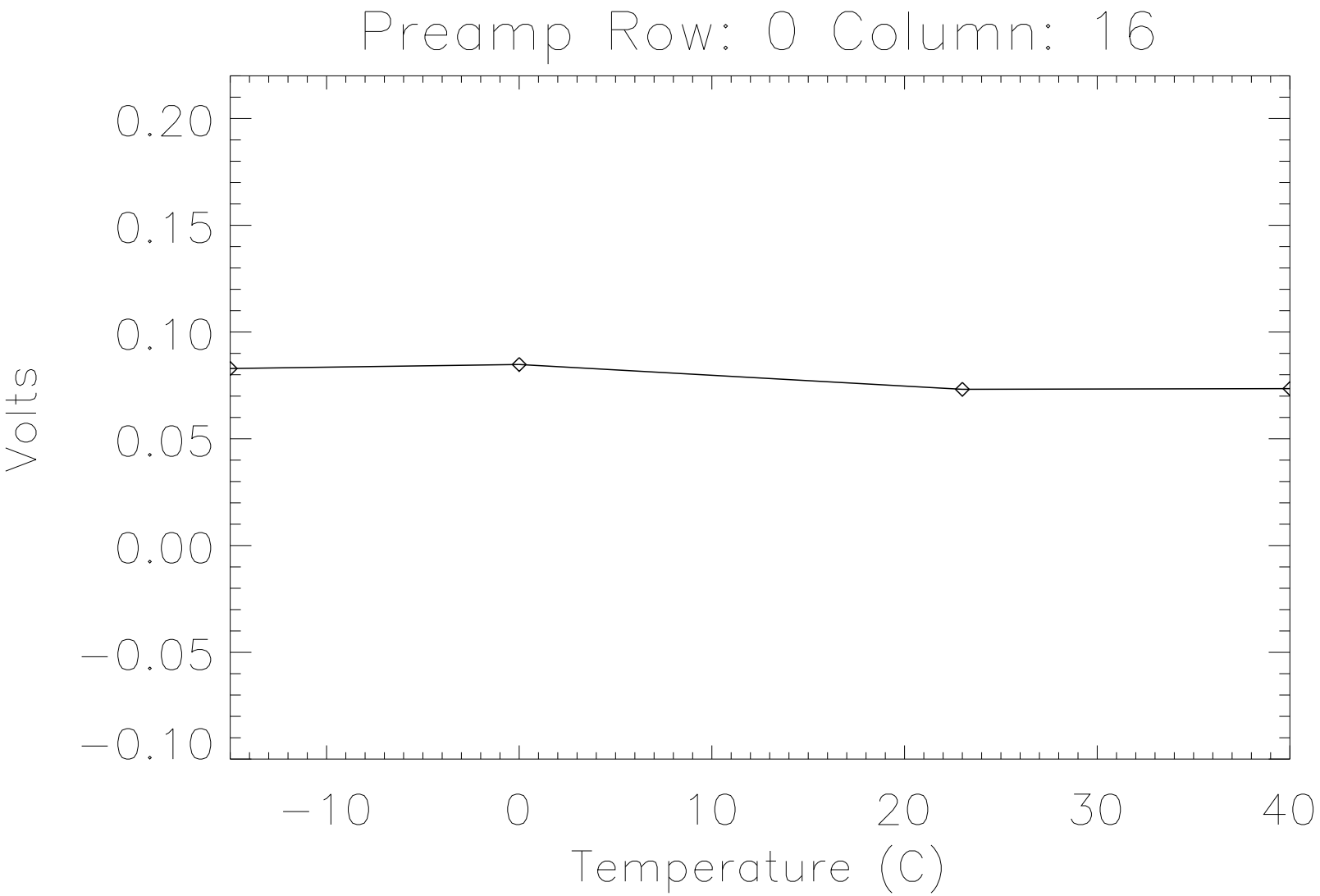
Temperature (C)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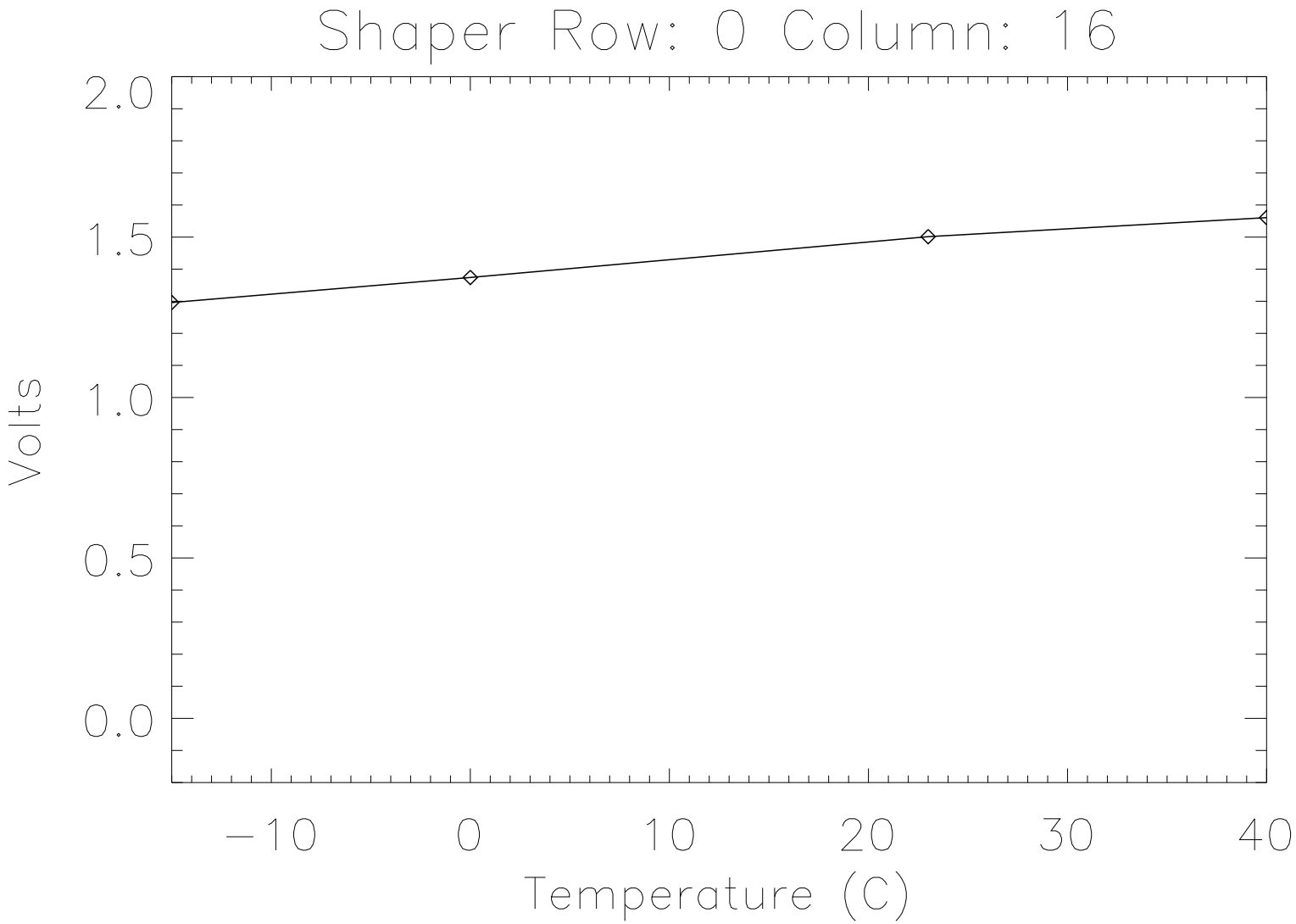
Temperature (C)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0.0
Volts
−10
0
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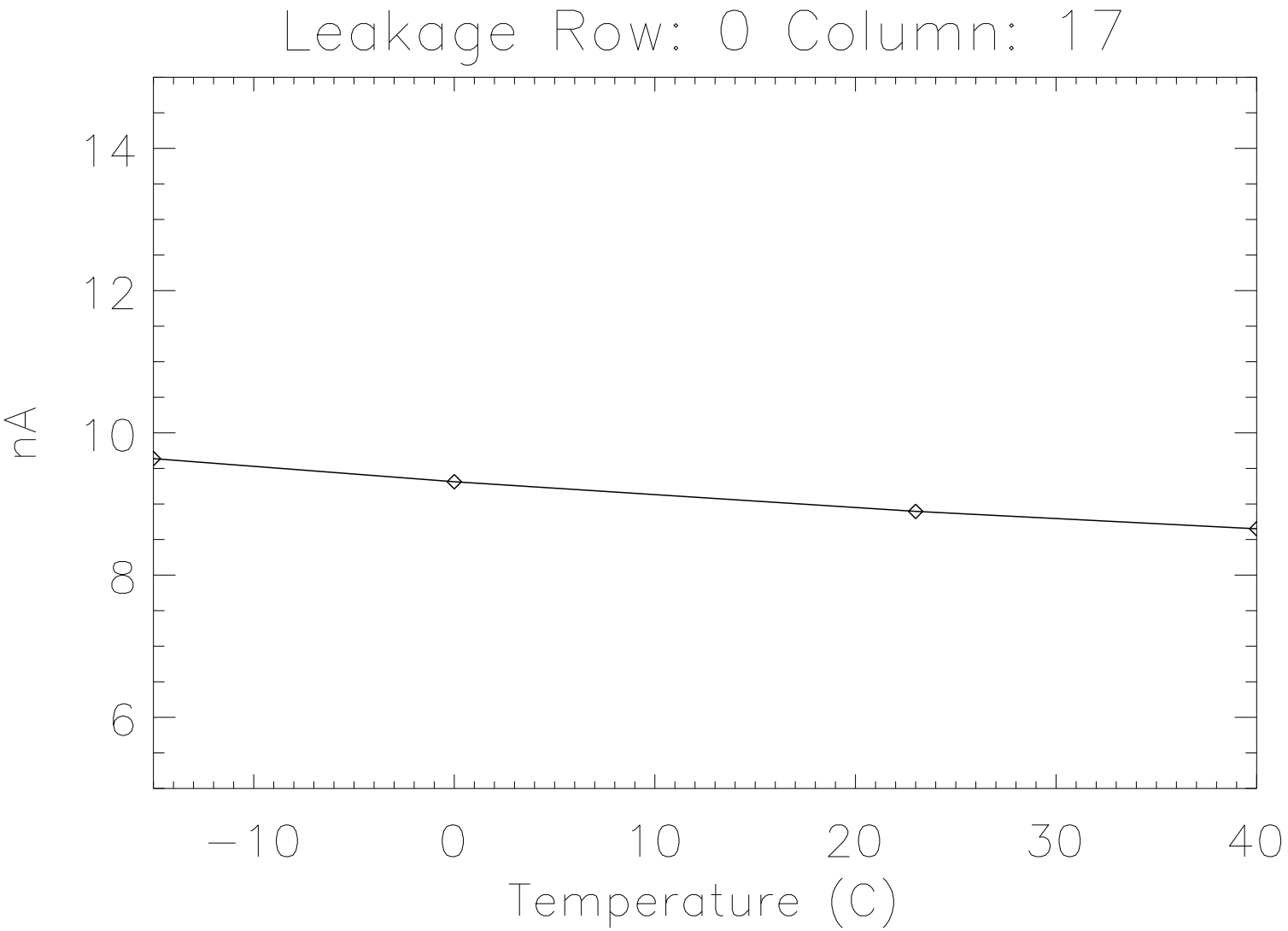
Temperature (C)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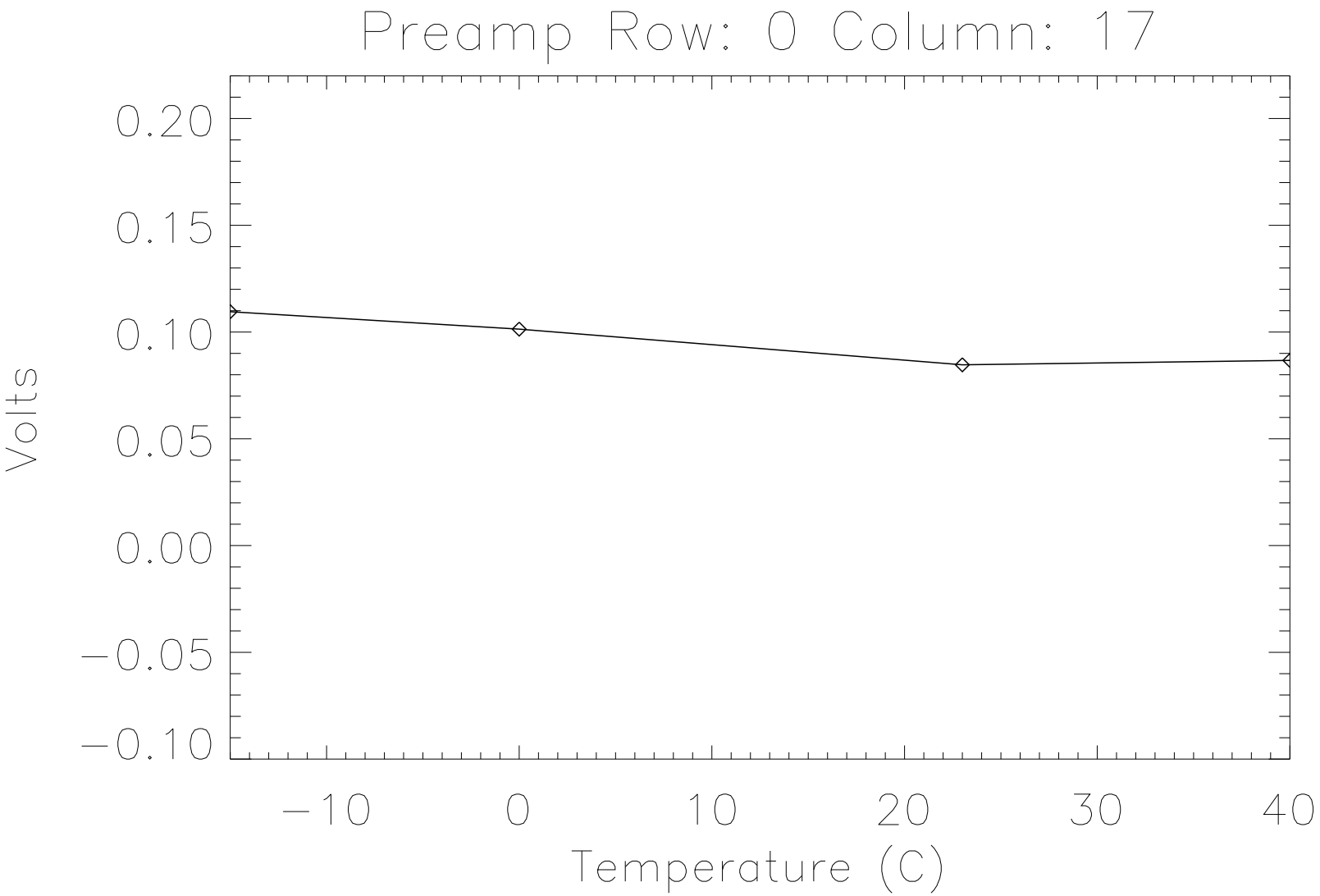
Temperature (C)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Volts
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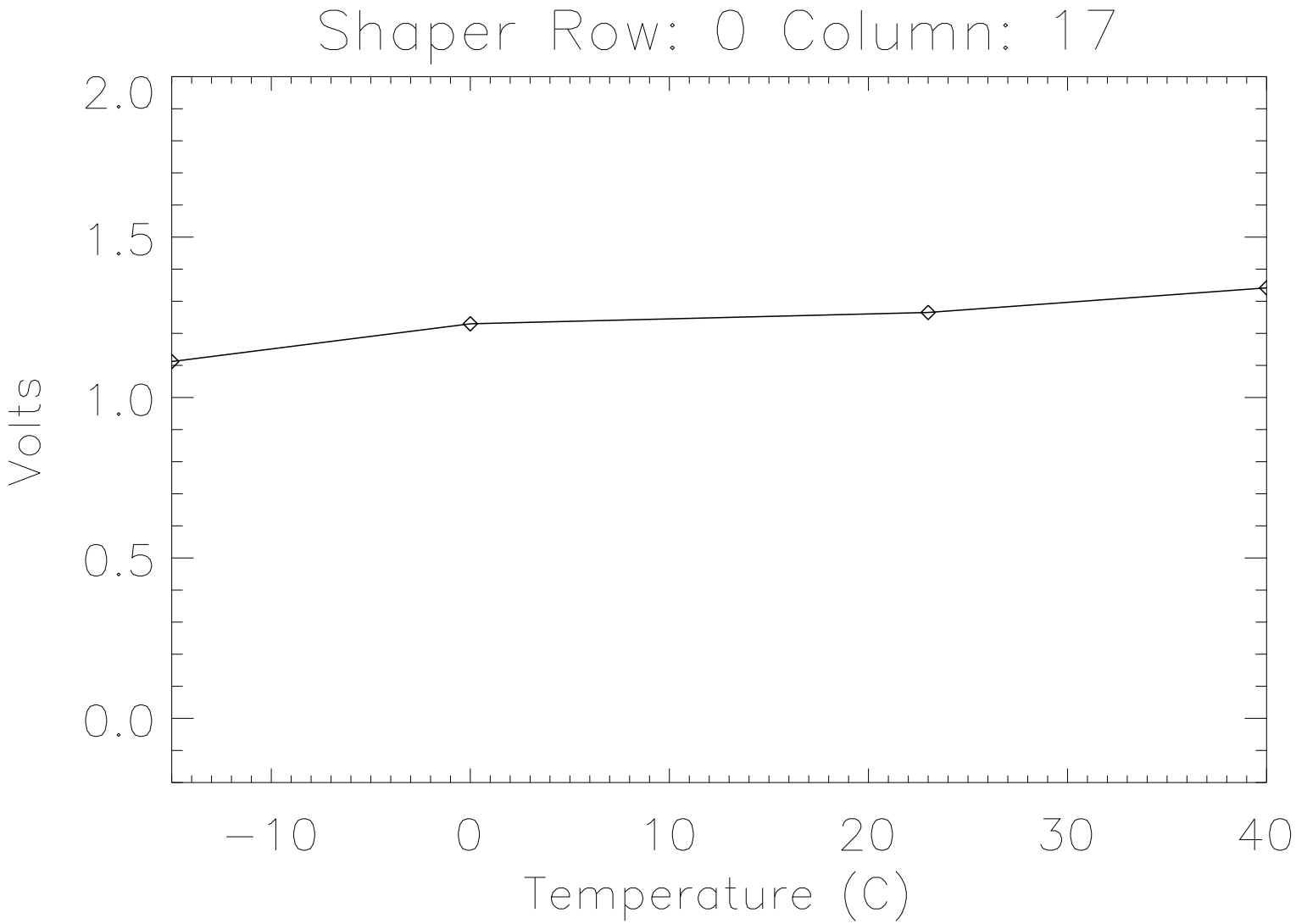
Temperature (C)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Volts
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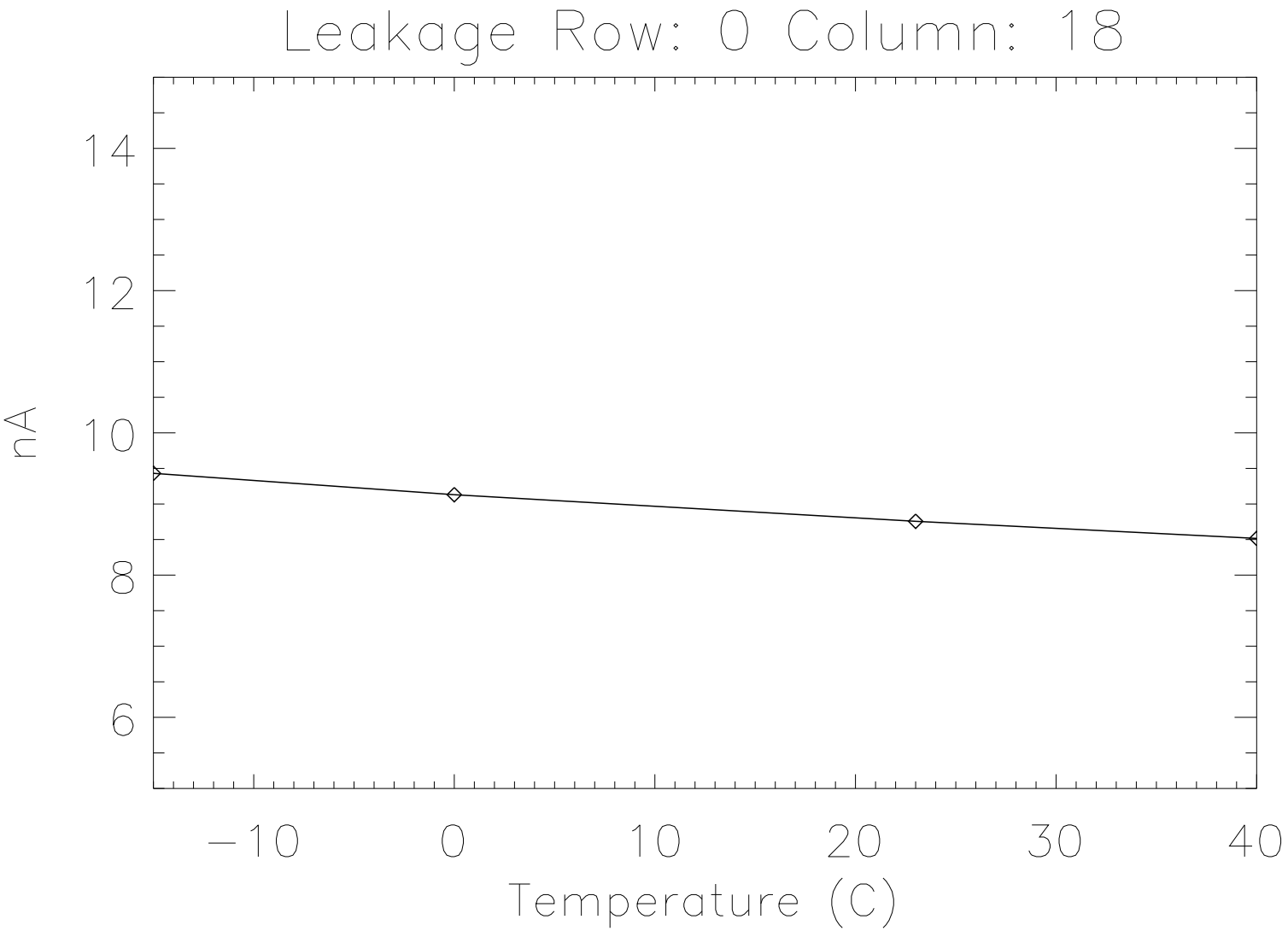
Temperature (C)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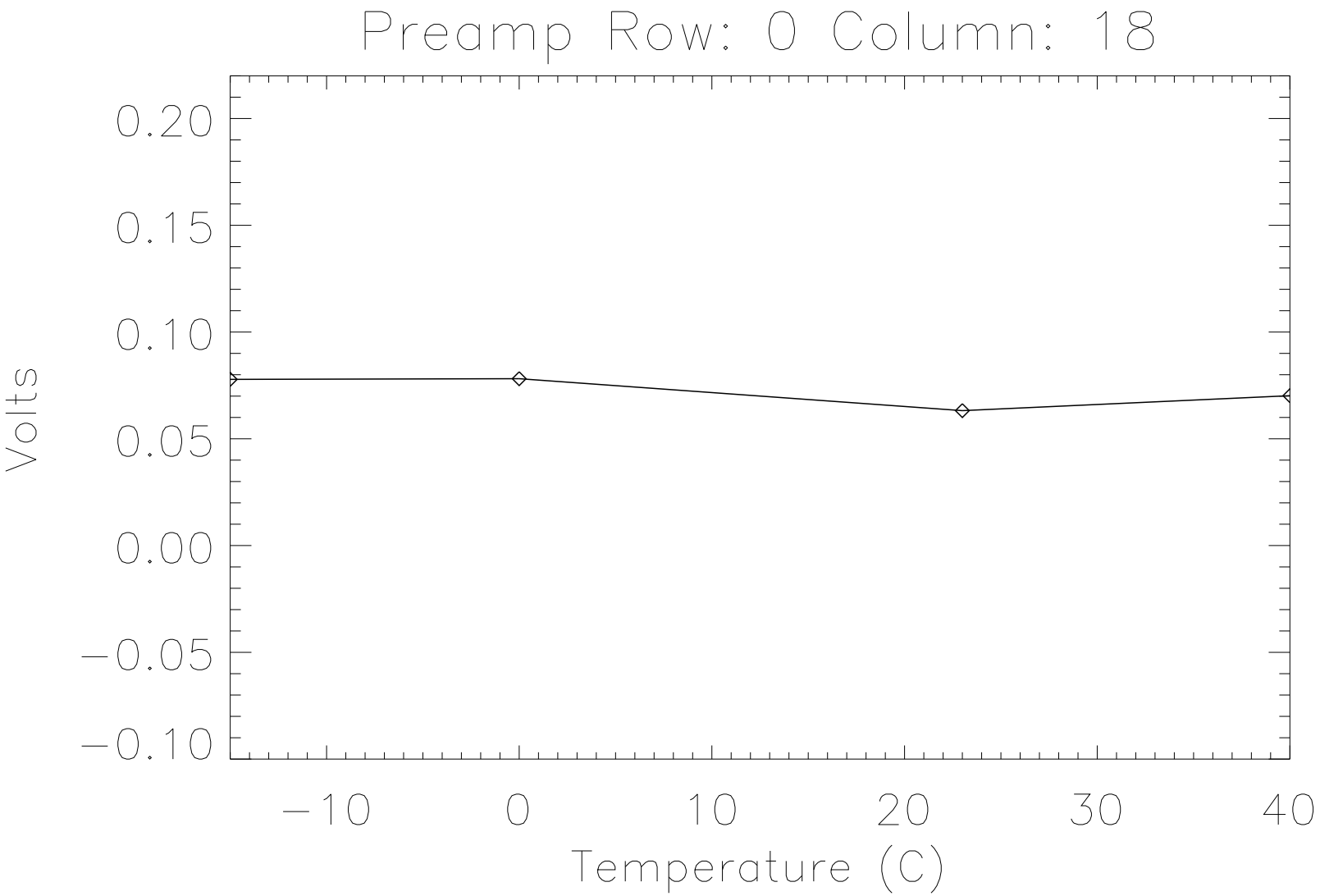
Temperature (C)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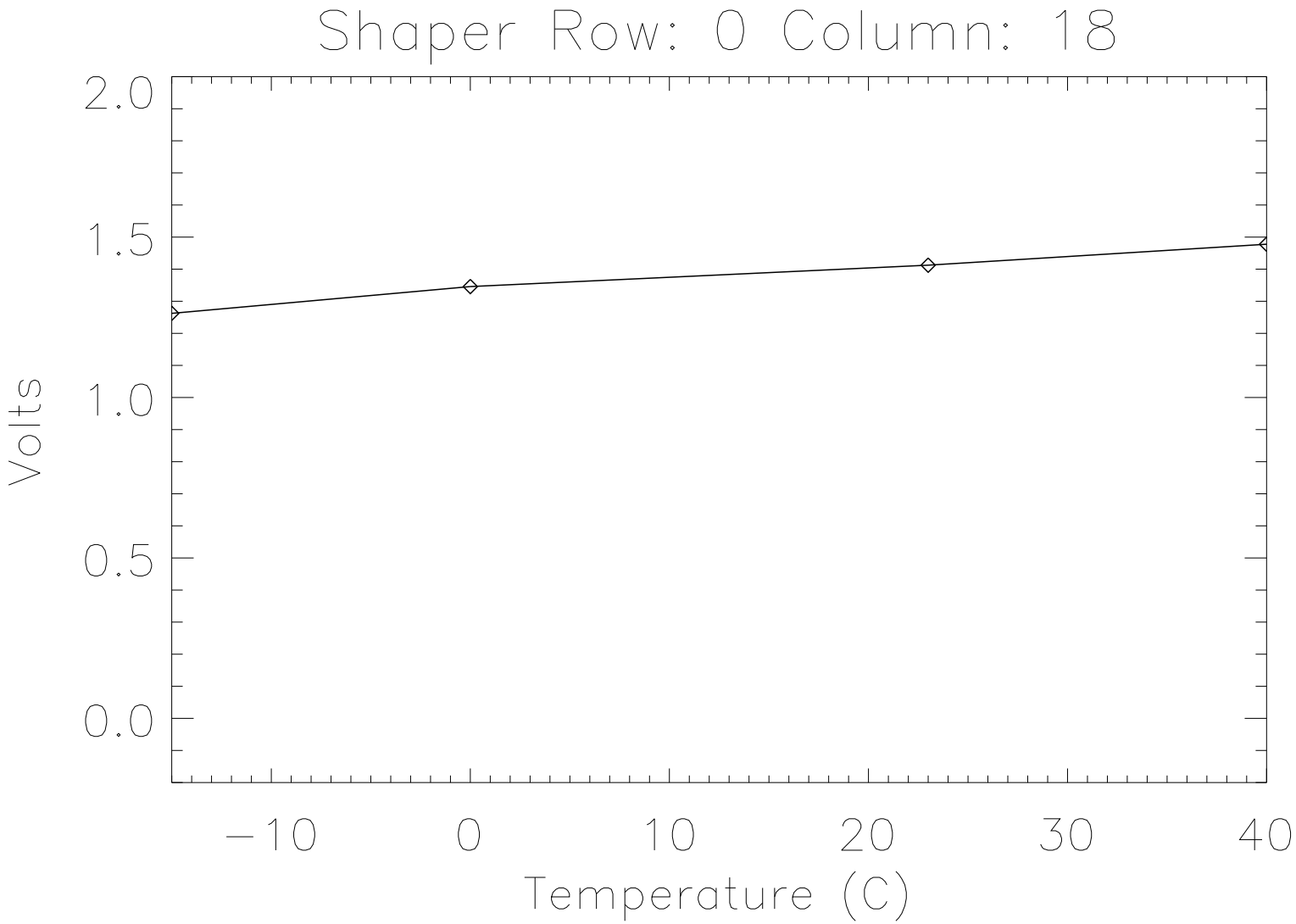
Temperature (C)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Volts
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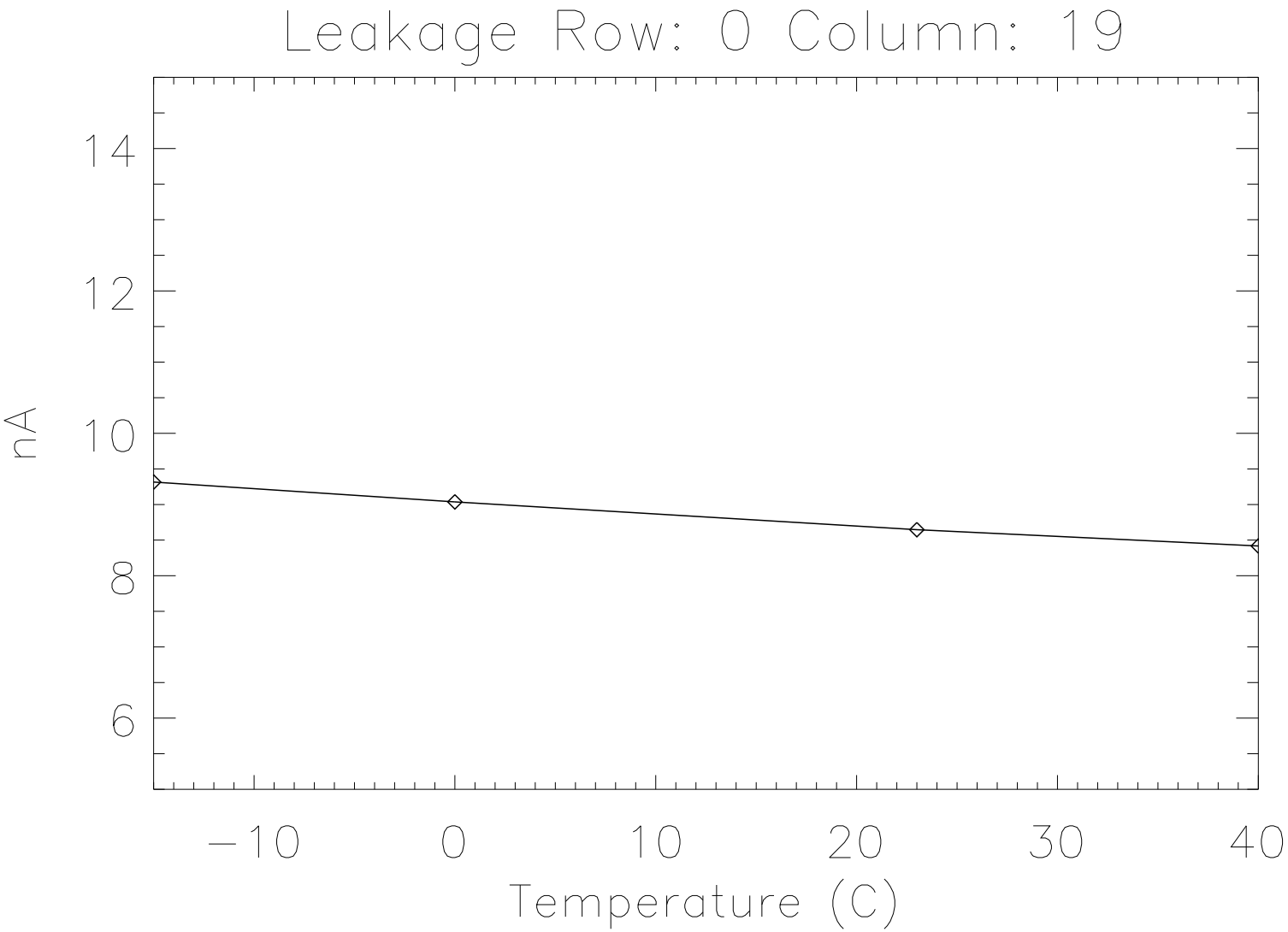
Temperature (C)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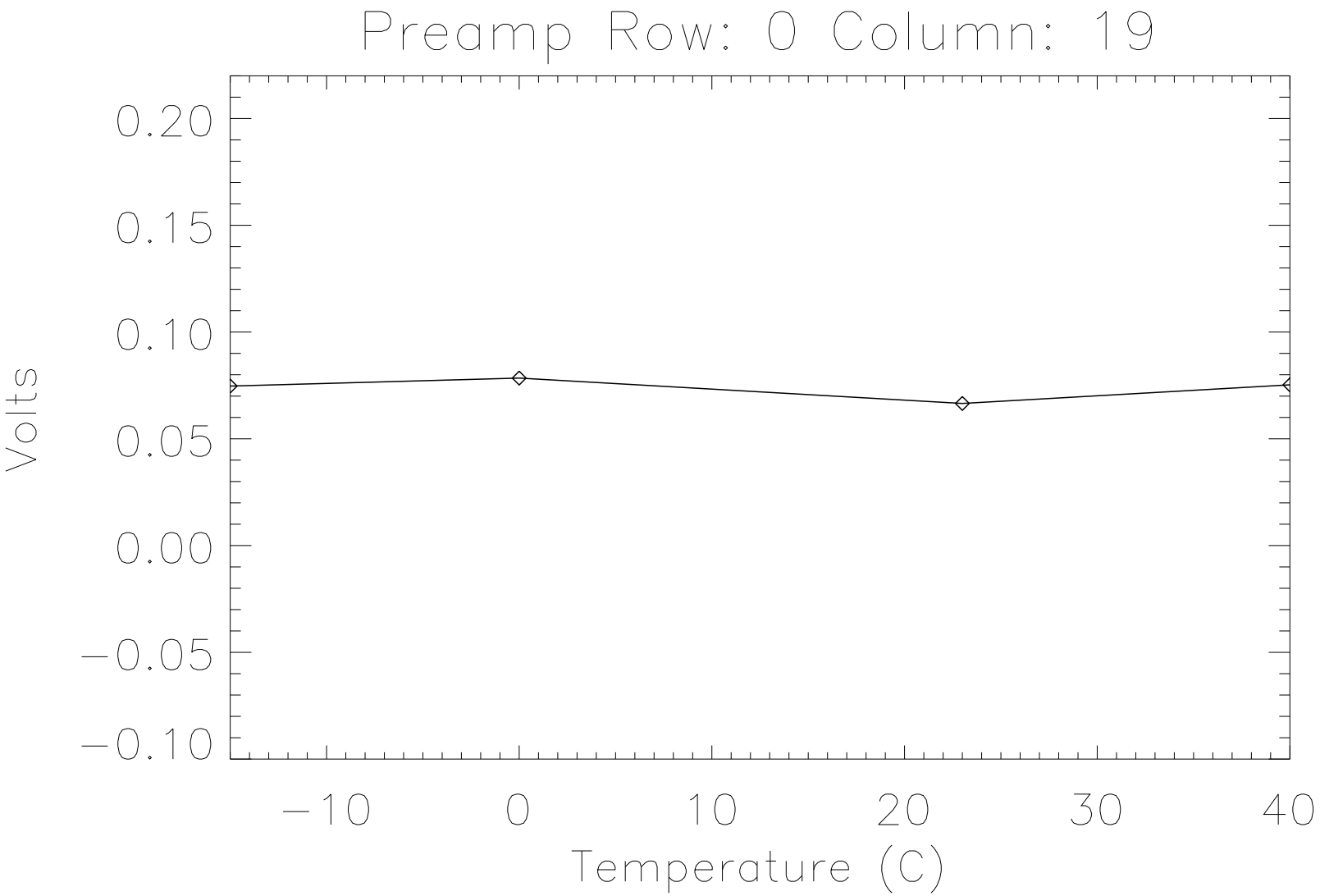
Temperature (C)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Volts
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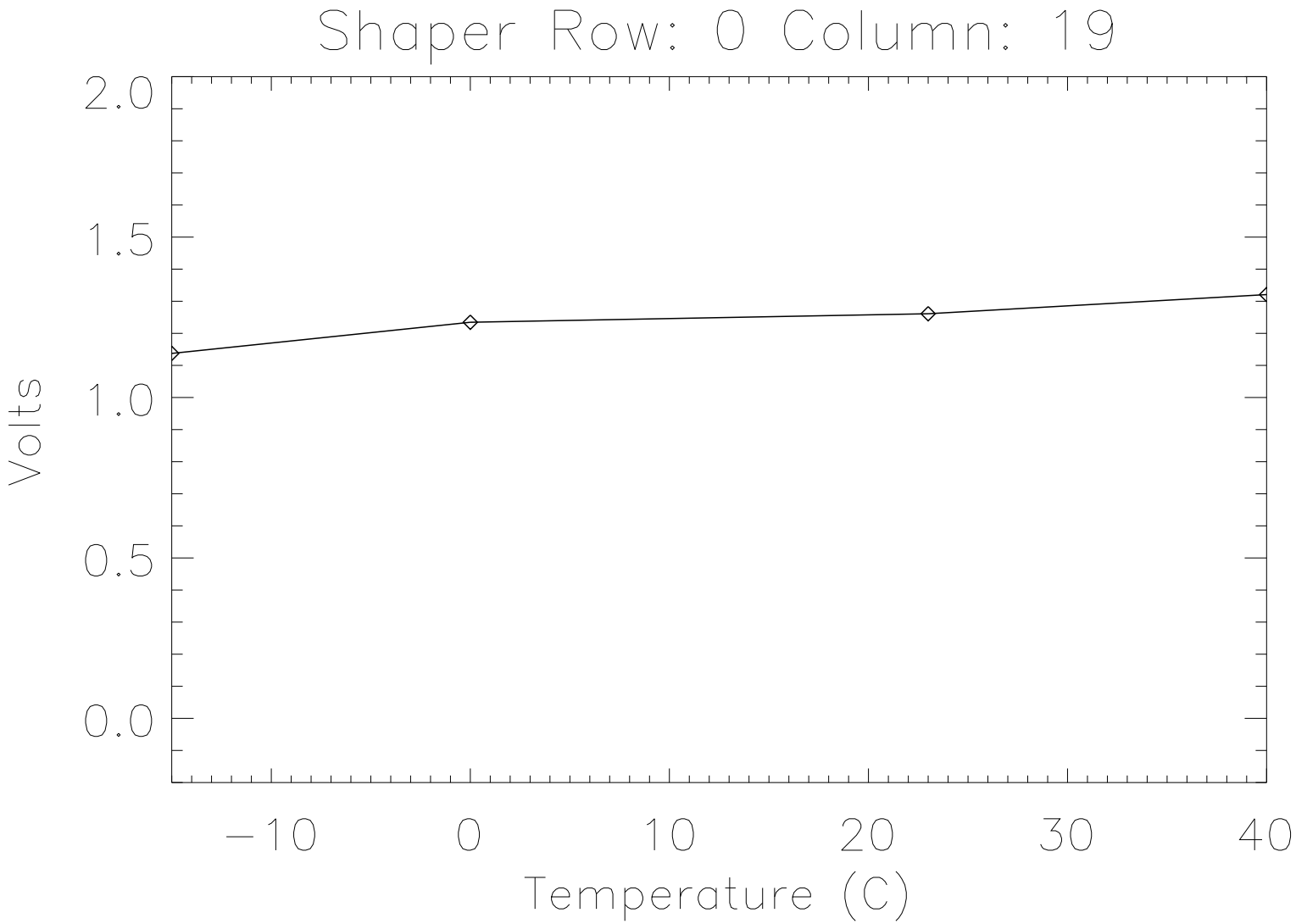
Temperature (C)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Volts
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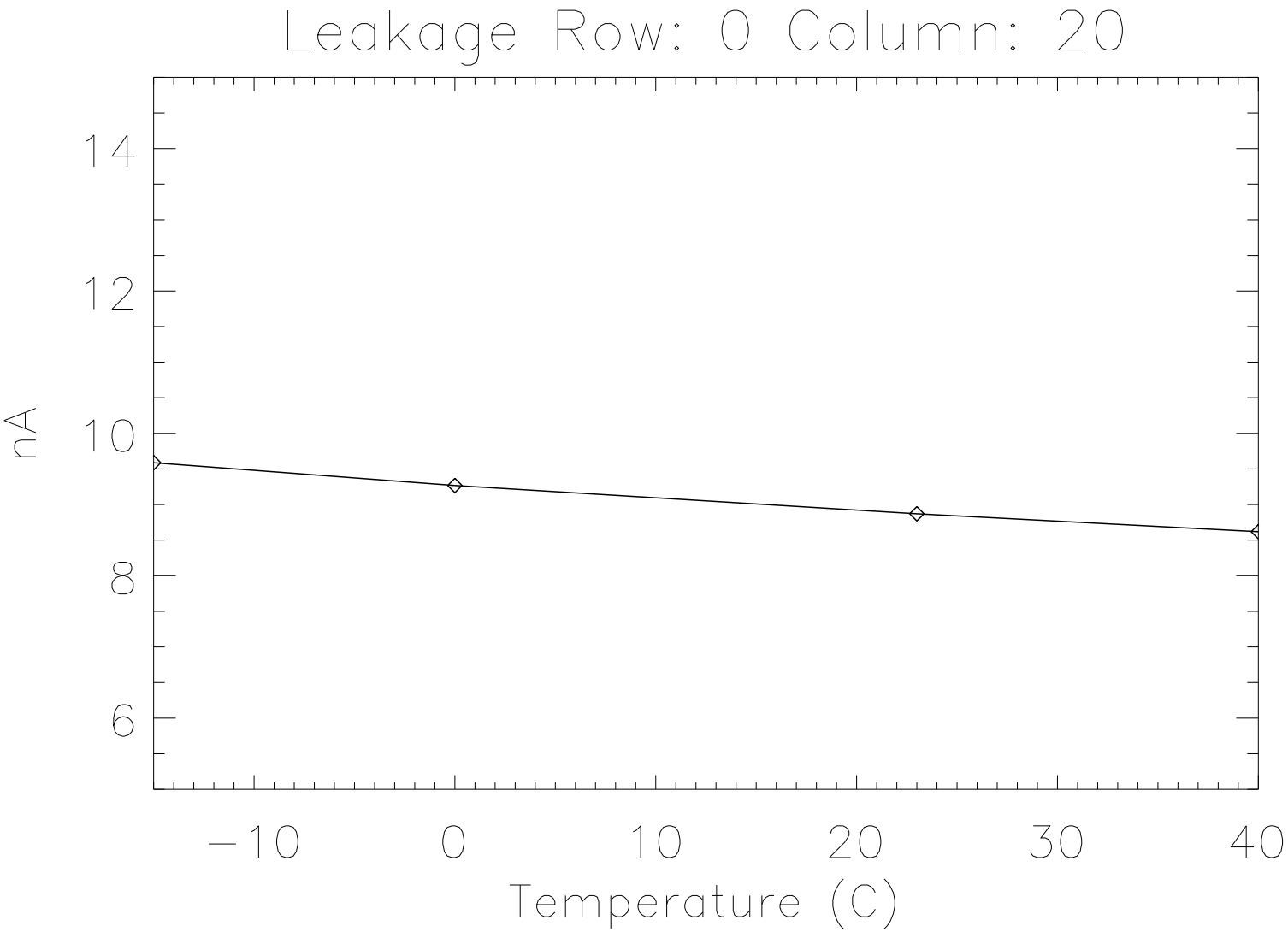
Temperature (C)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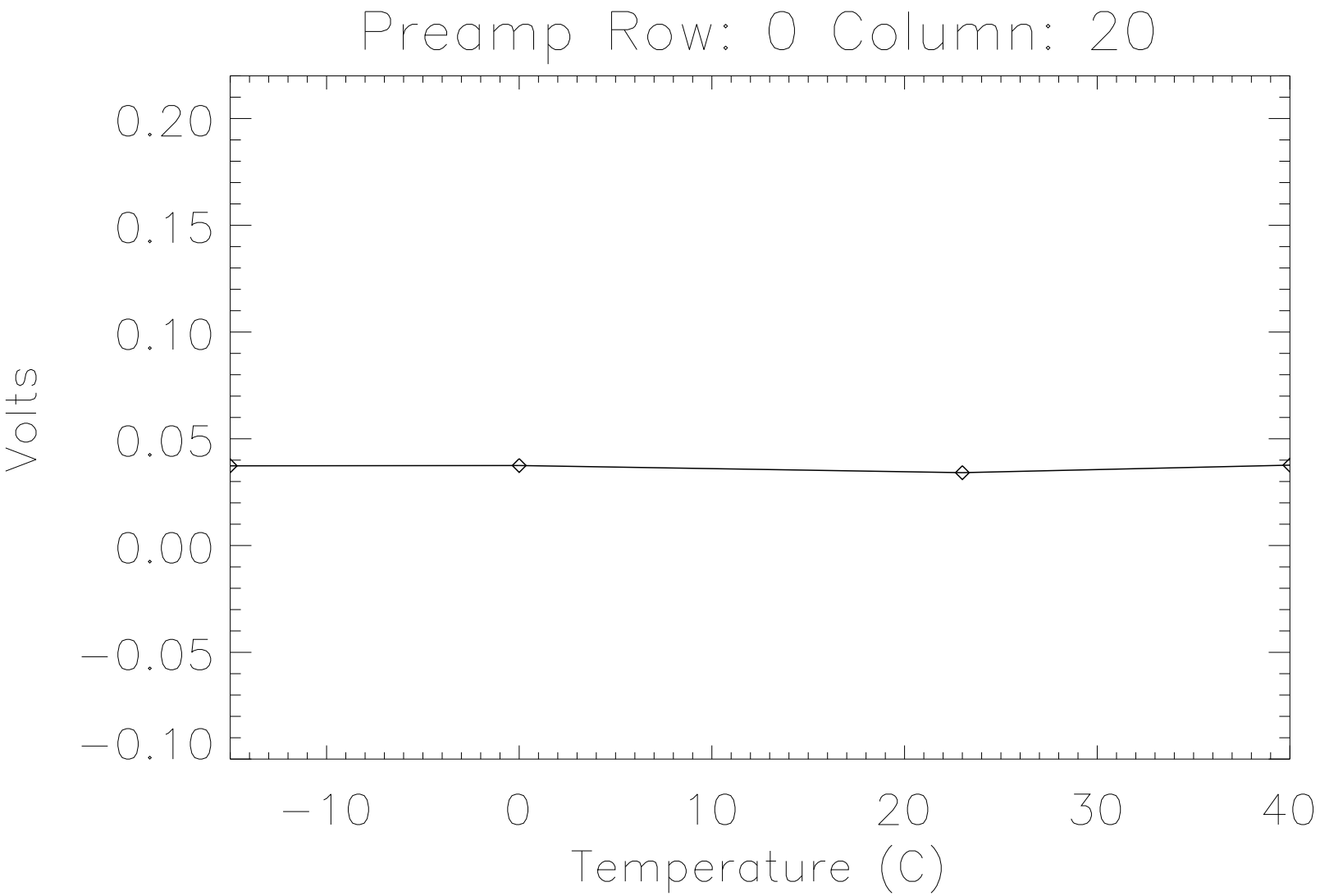
Temperature (C)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Volts
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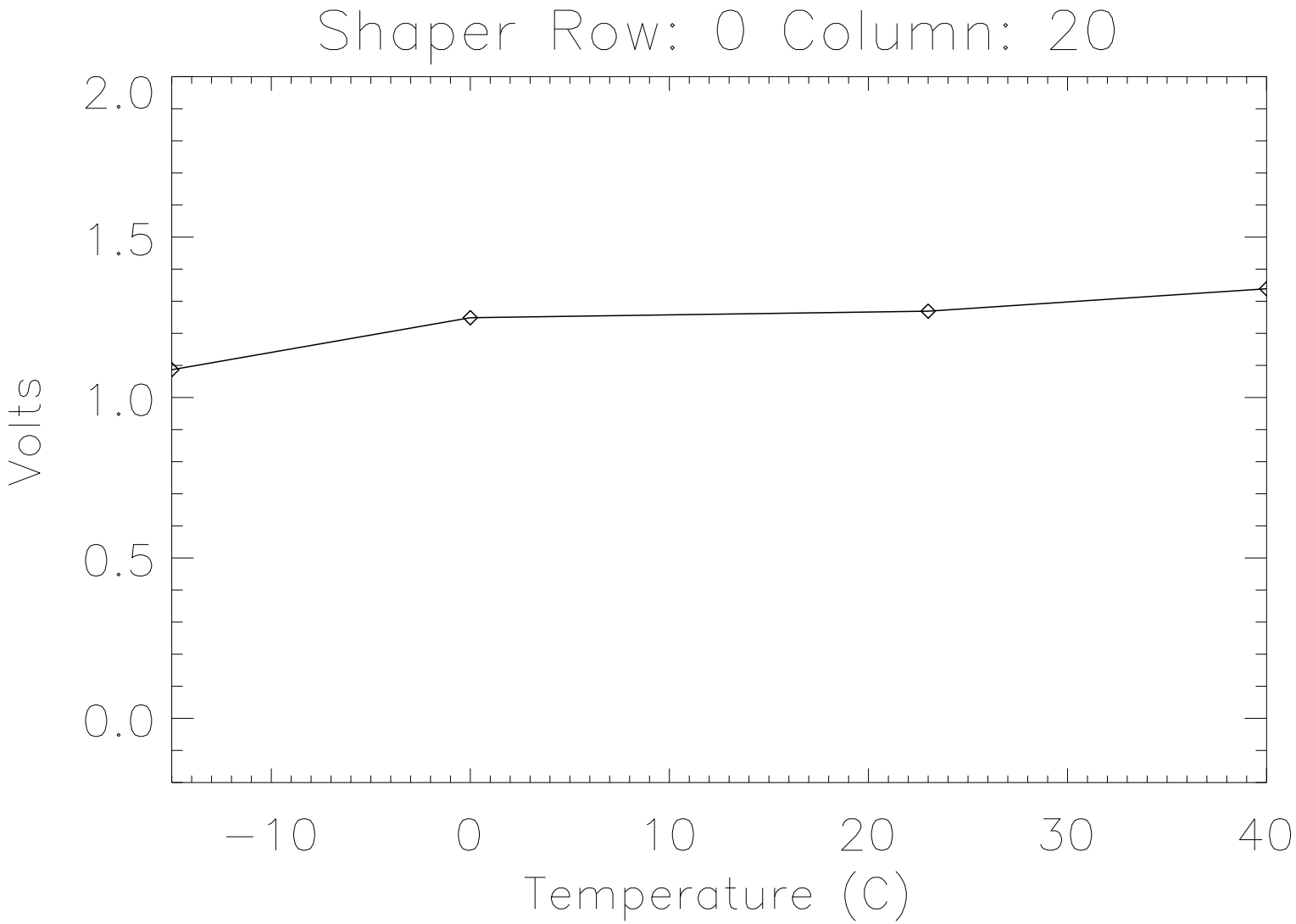
Temperature (C)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Volts
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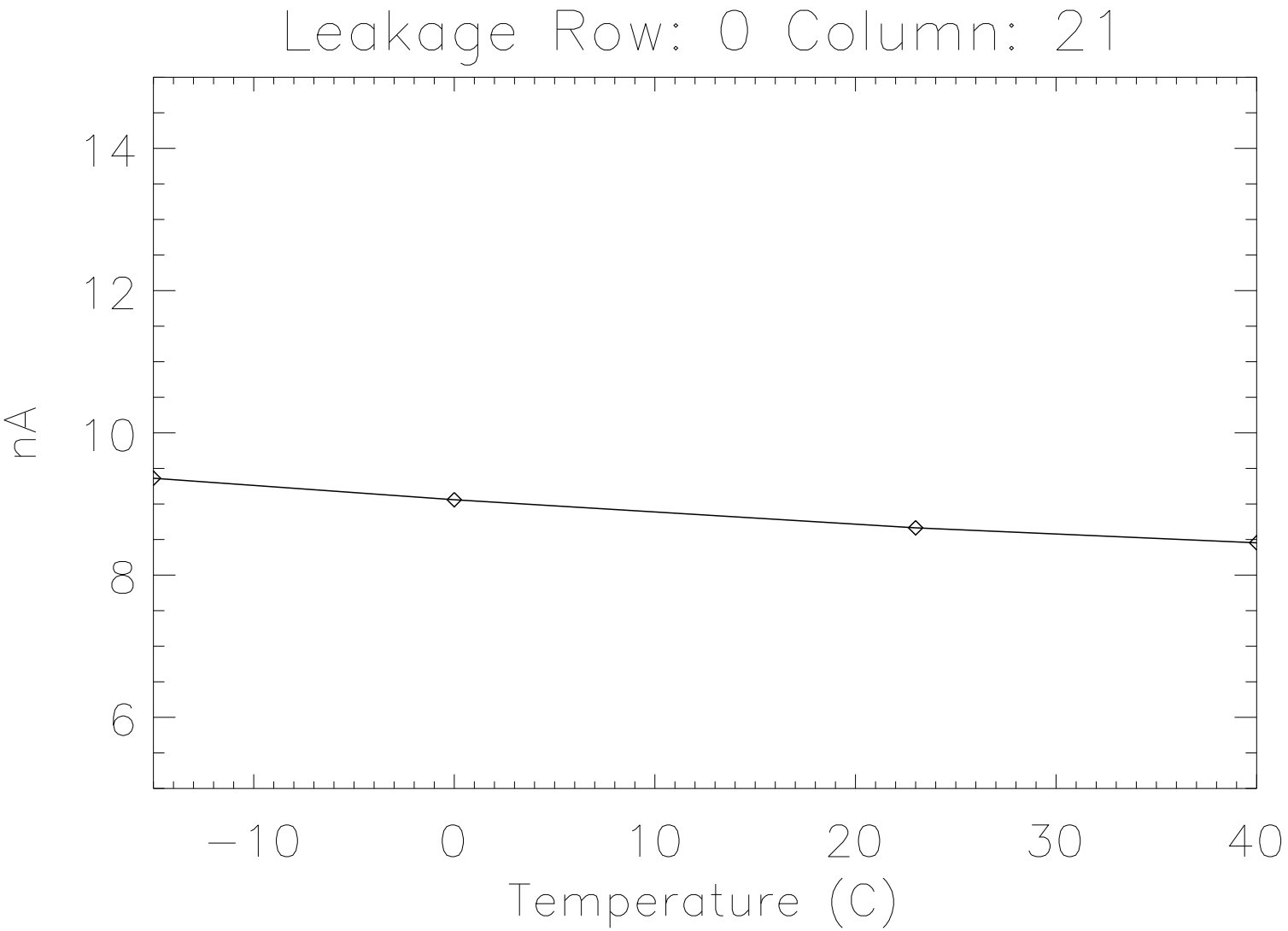
Temperature (C)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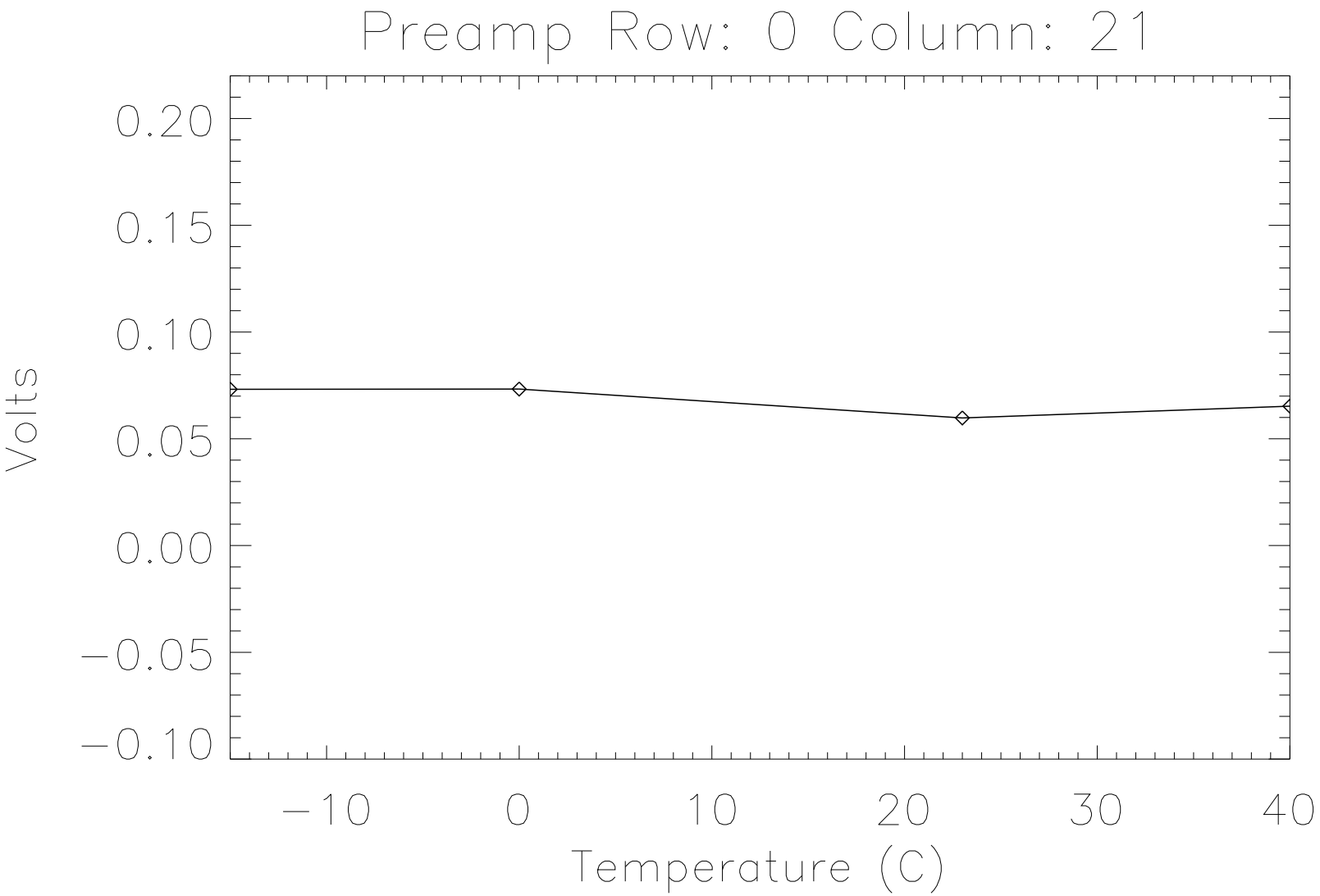
Temperature (C)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Volts
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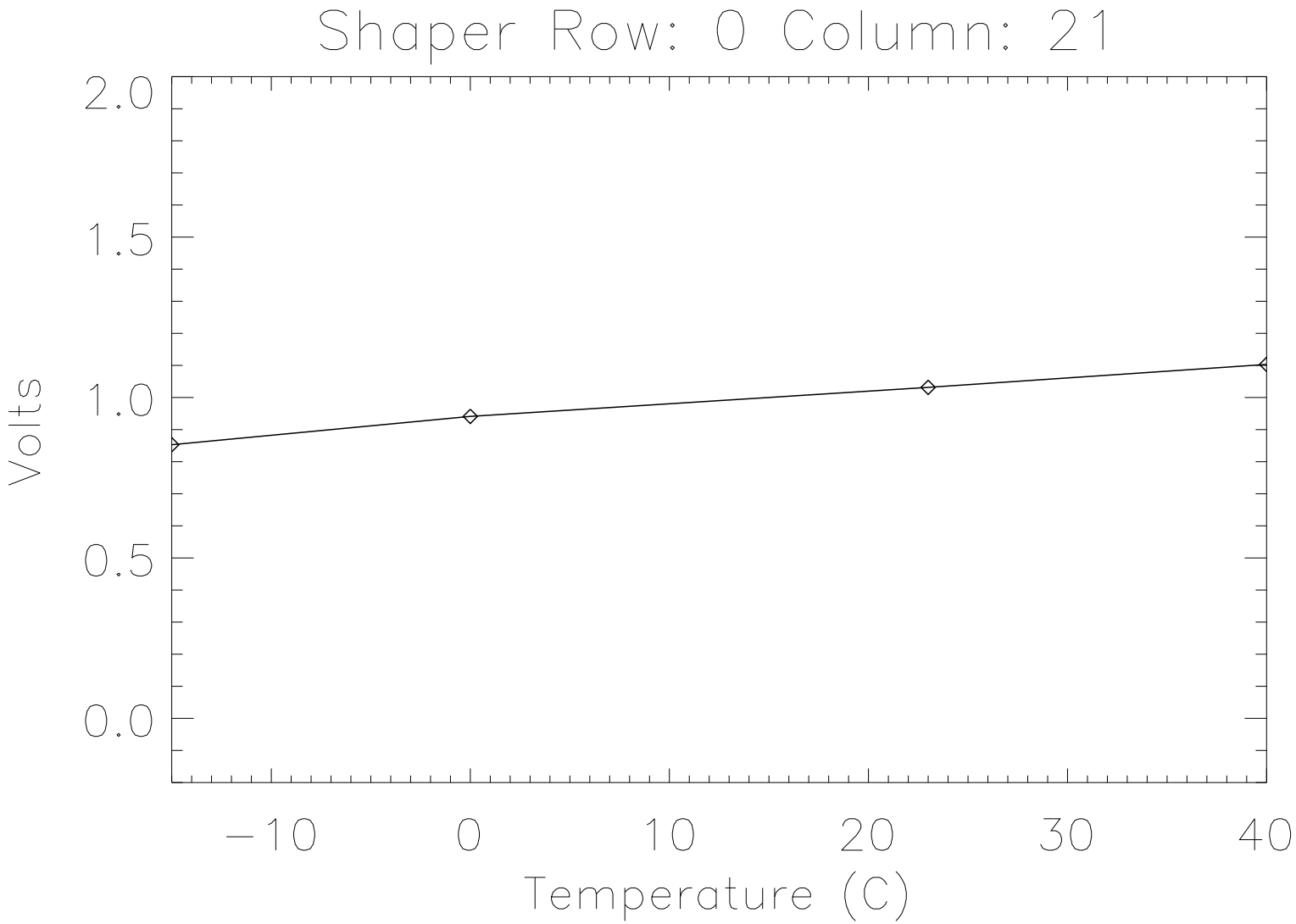
Temperature (C)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Volts
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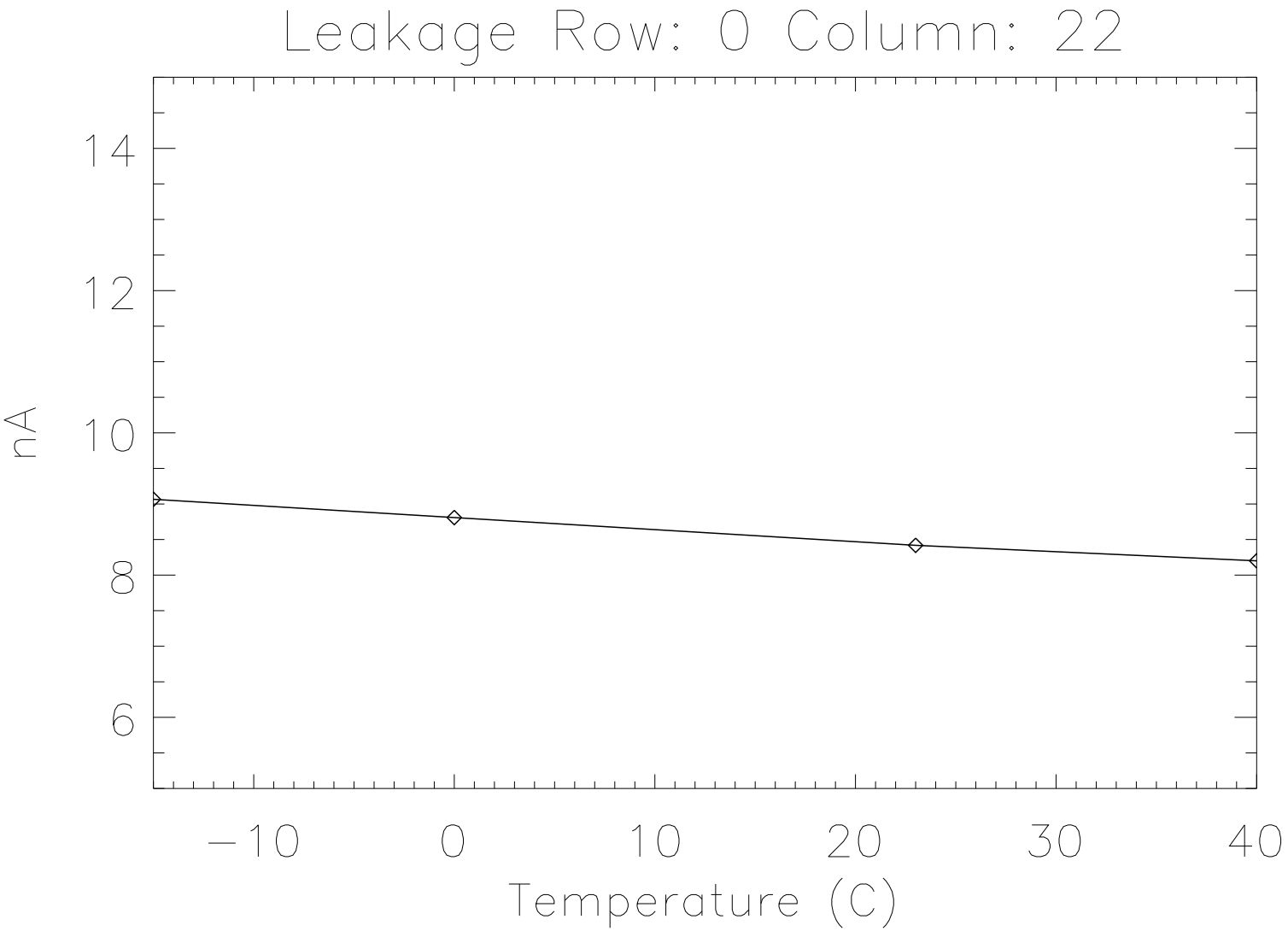
Temperature (C)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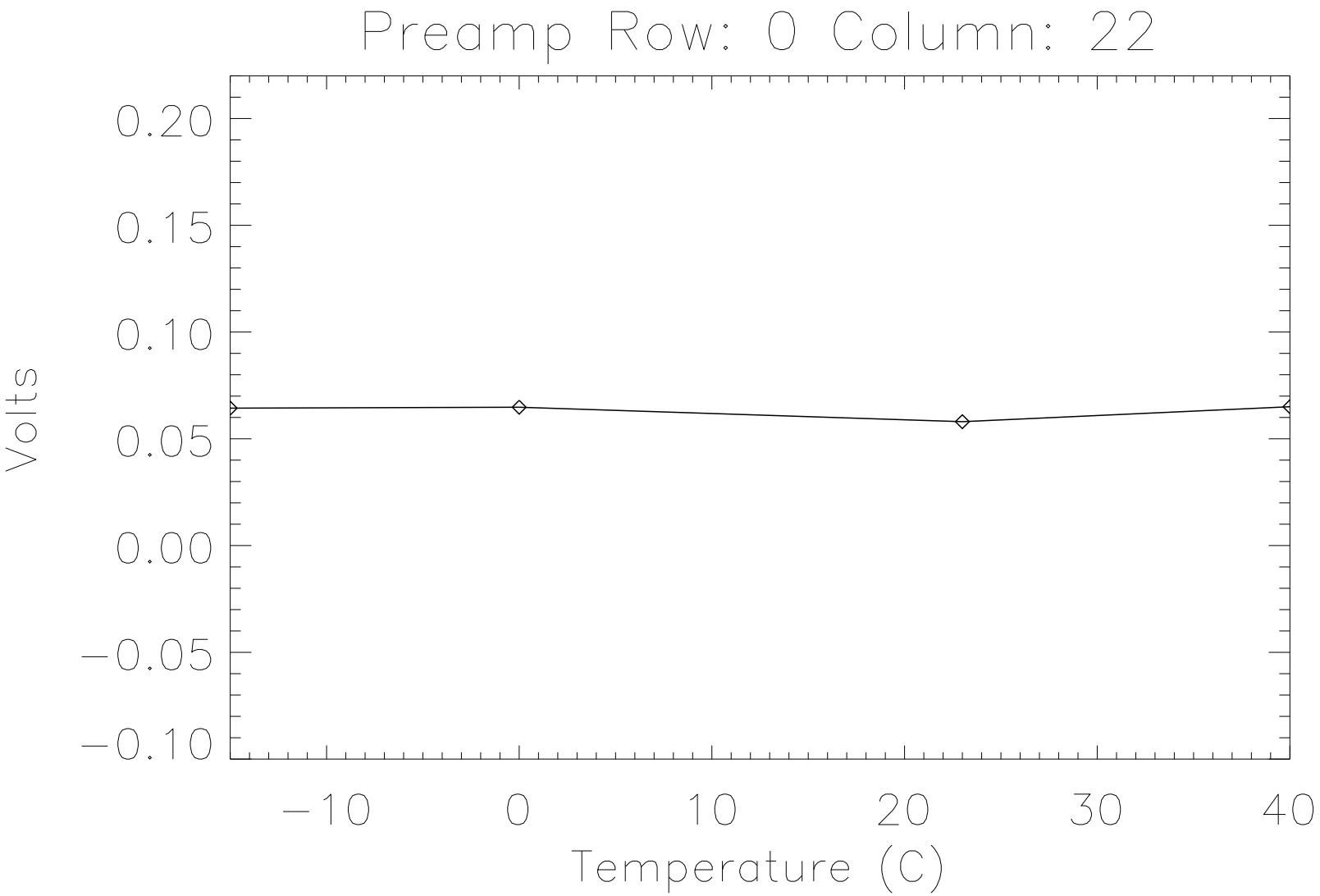
Temperature (C)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Volts
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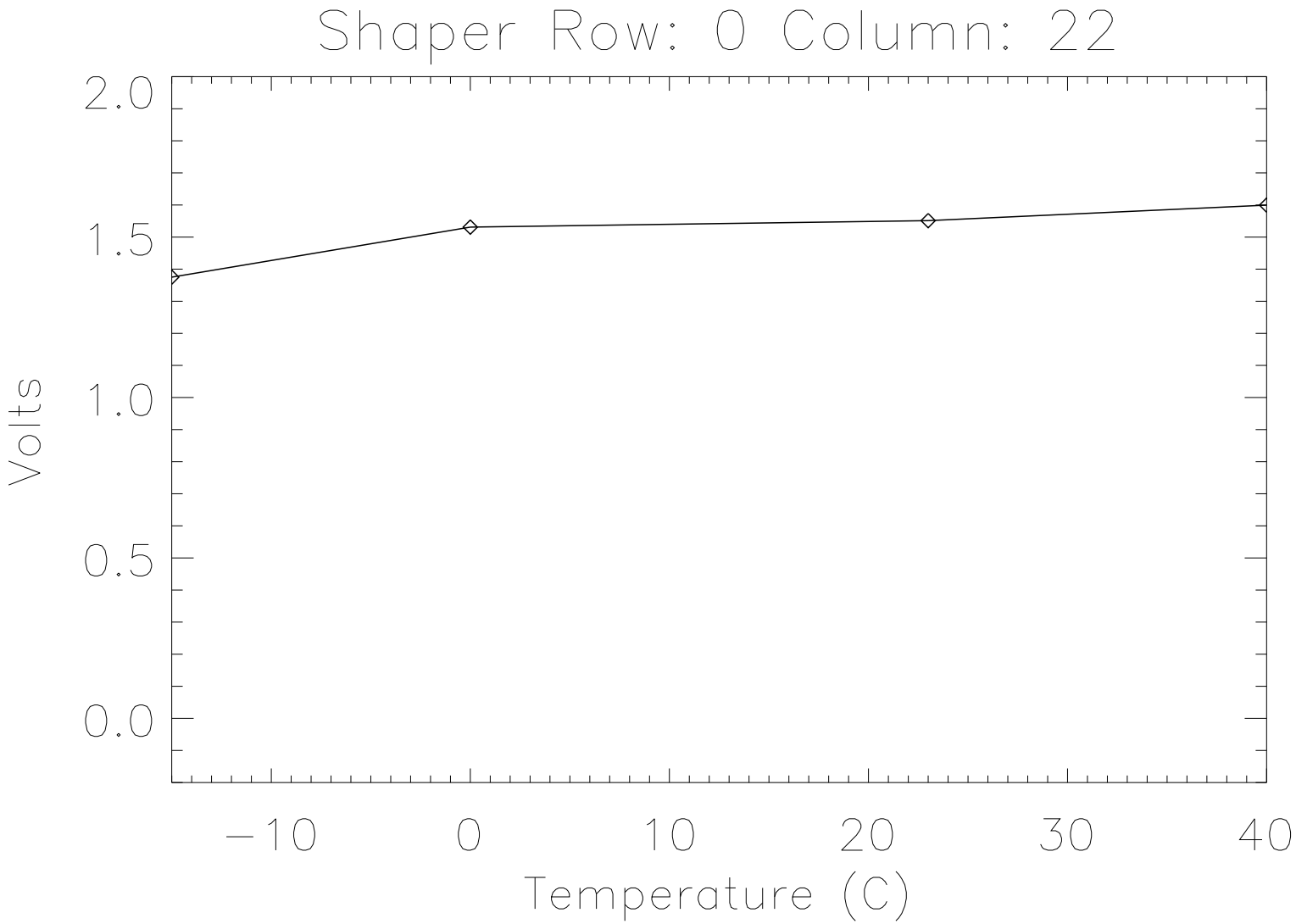
Temperature (C)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Volts
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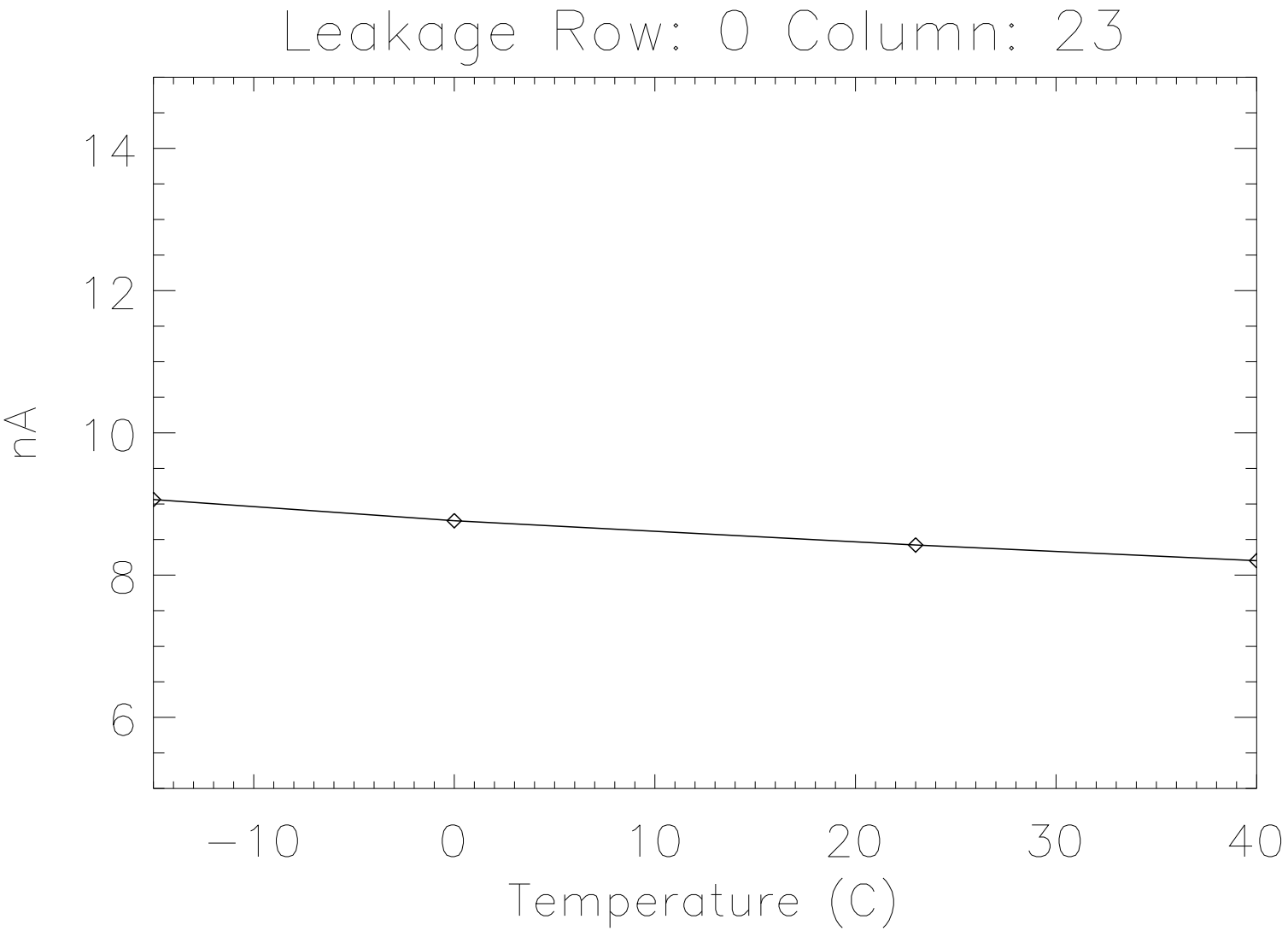
Temperature (C)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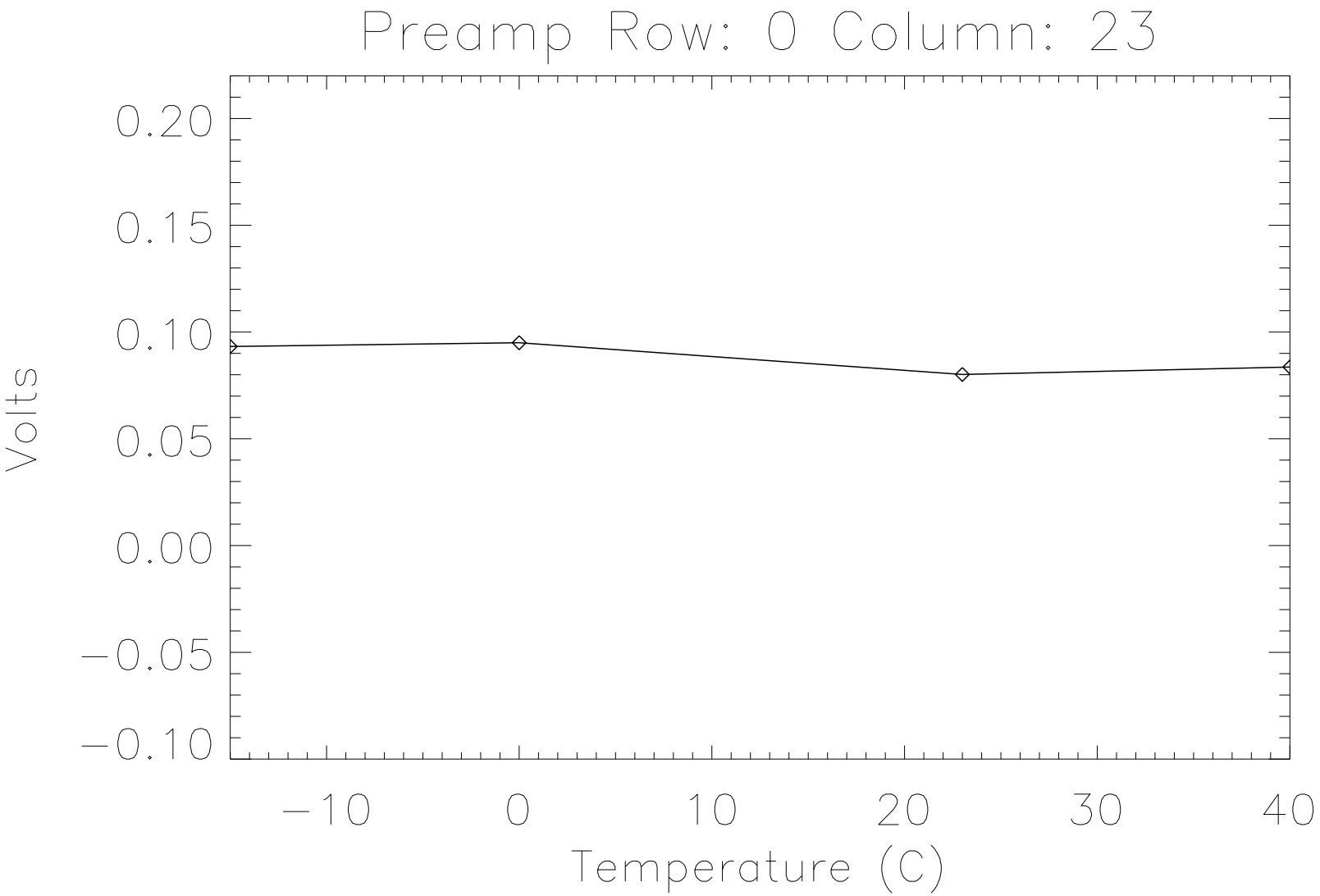
Temperature (C)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Volts
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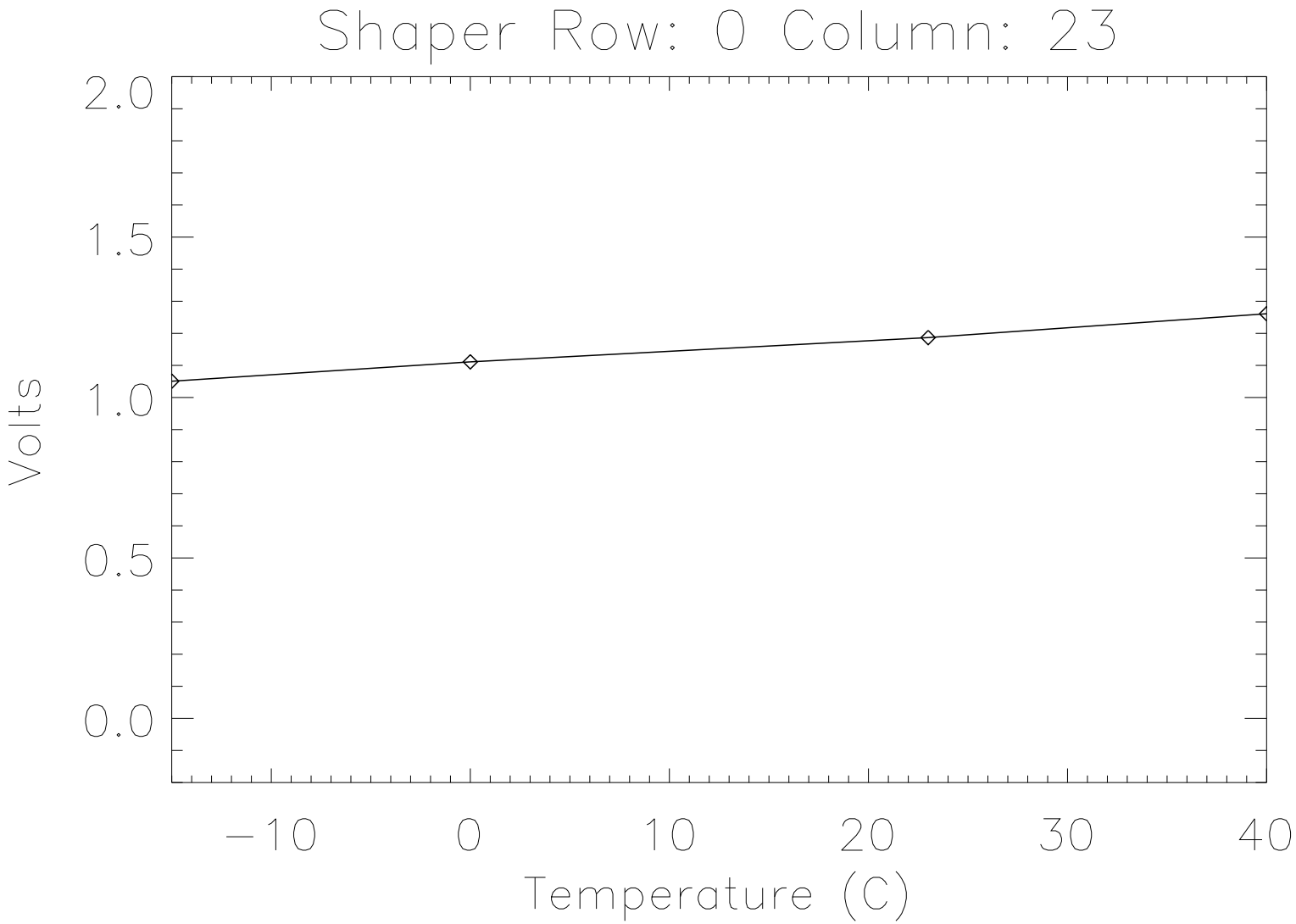
Temperature (C)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Volts
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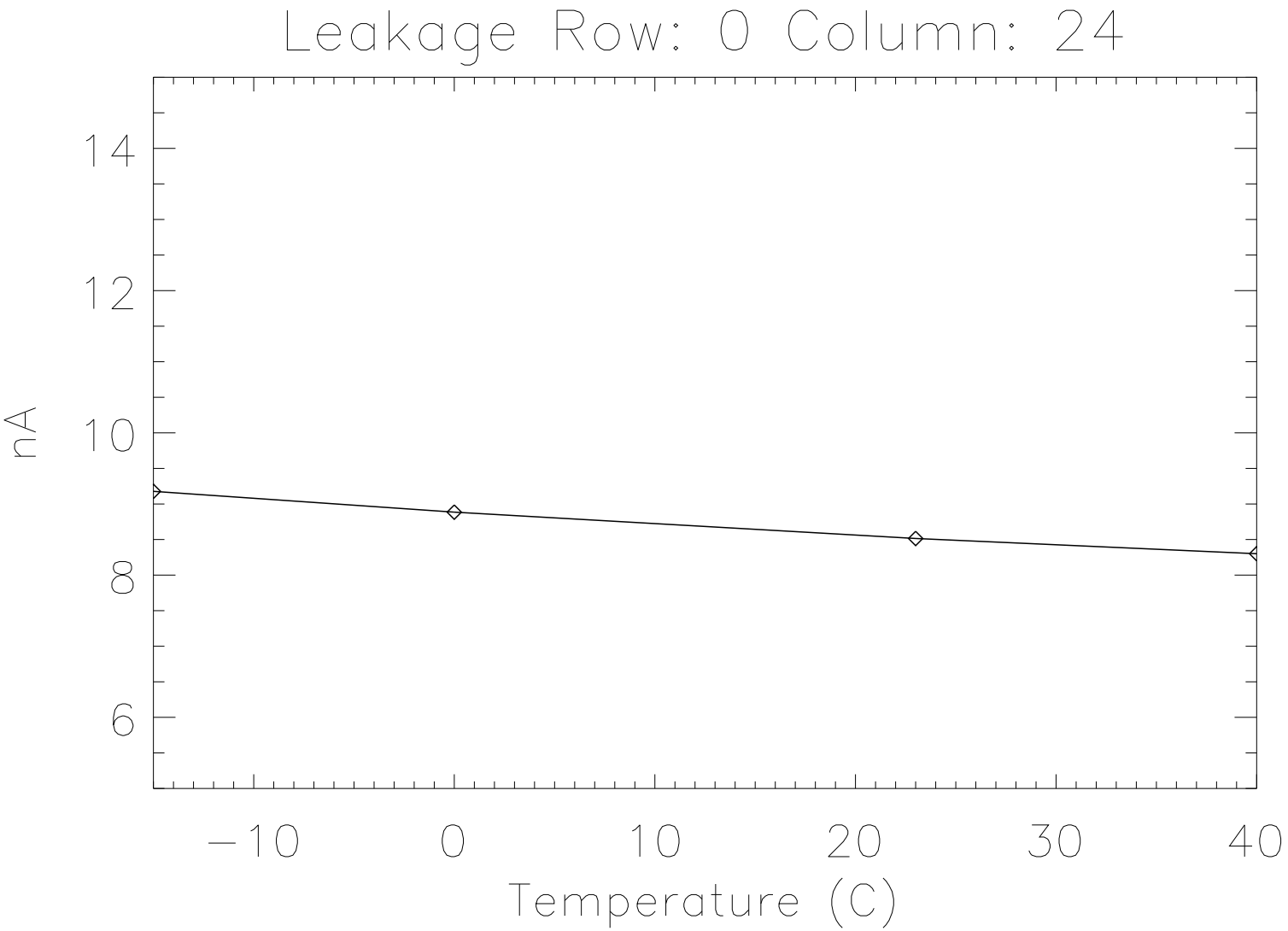
Temperature (C)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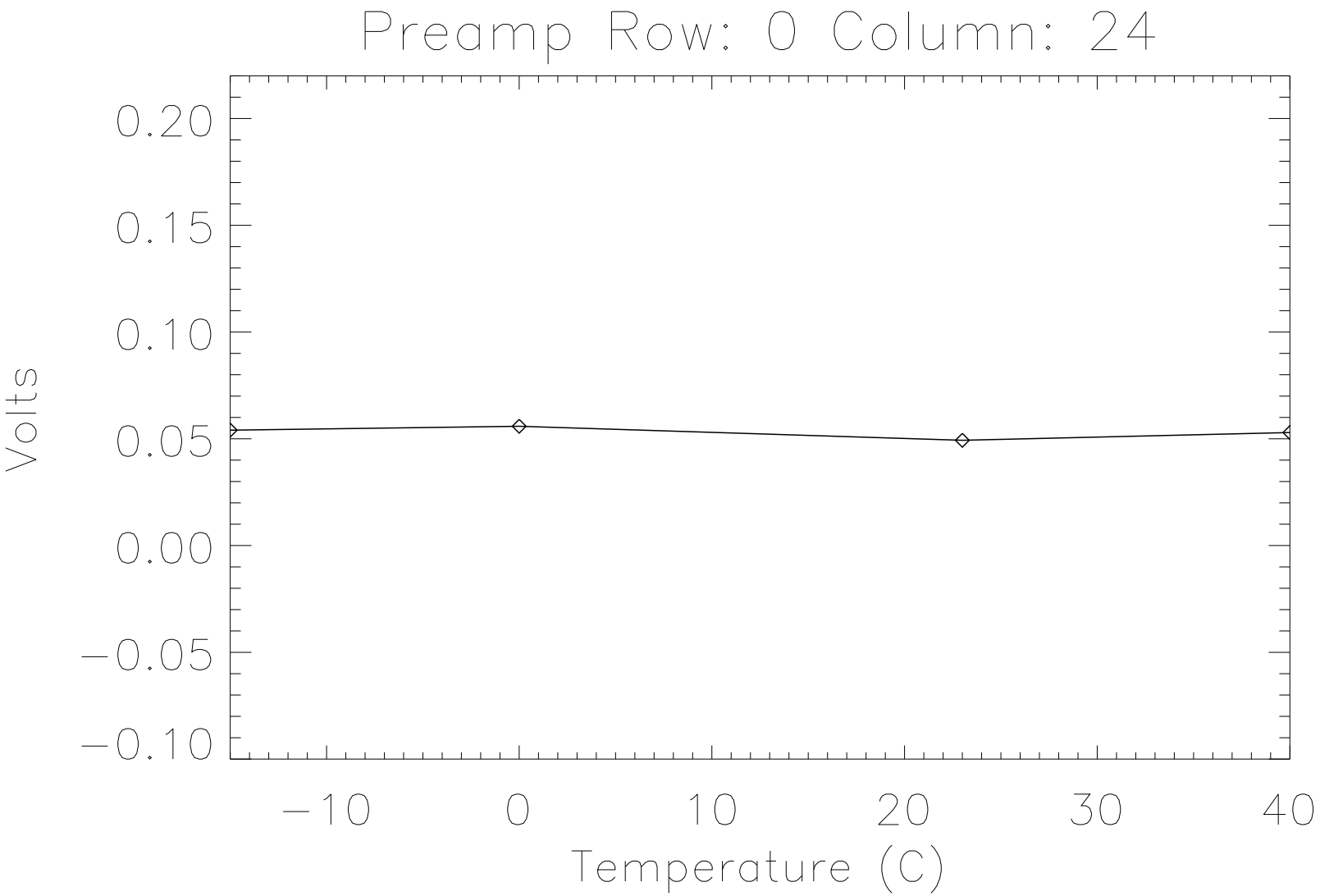
40
Temperature (C)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Volts
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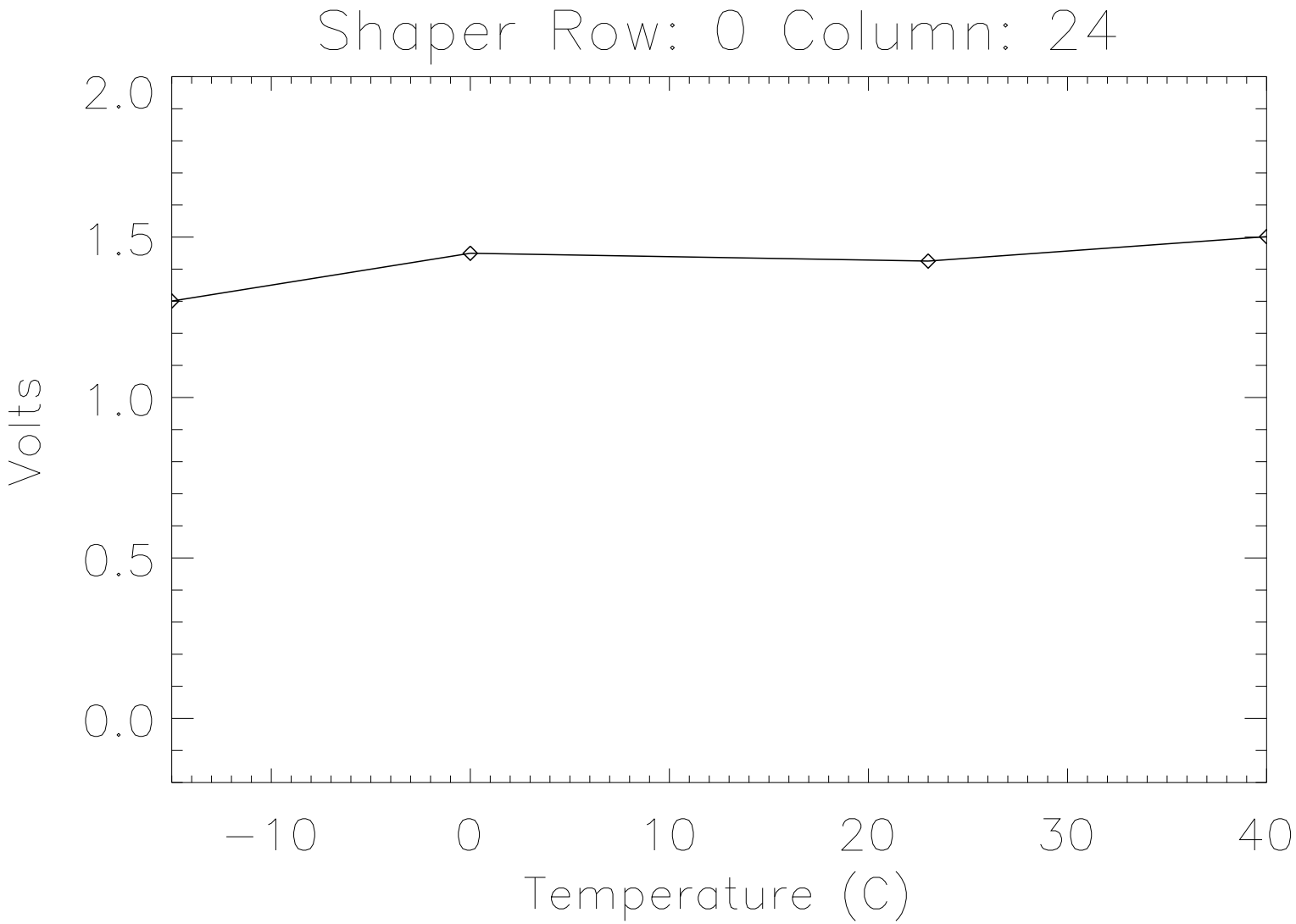
Temperature (C)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Volts
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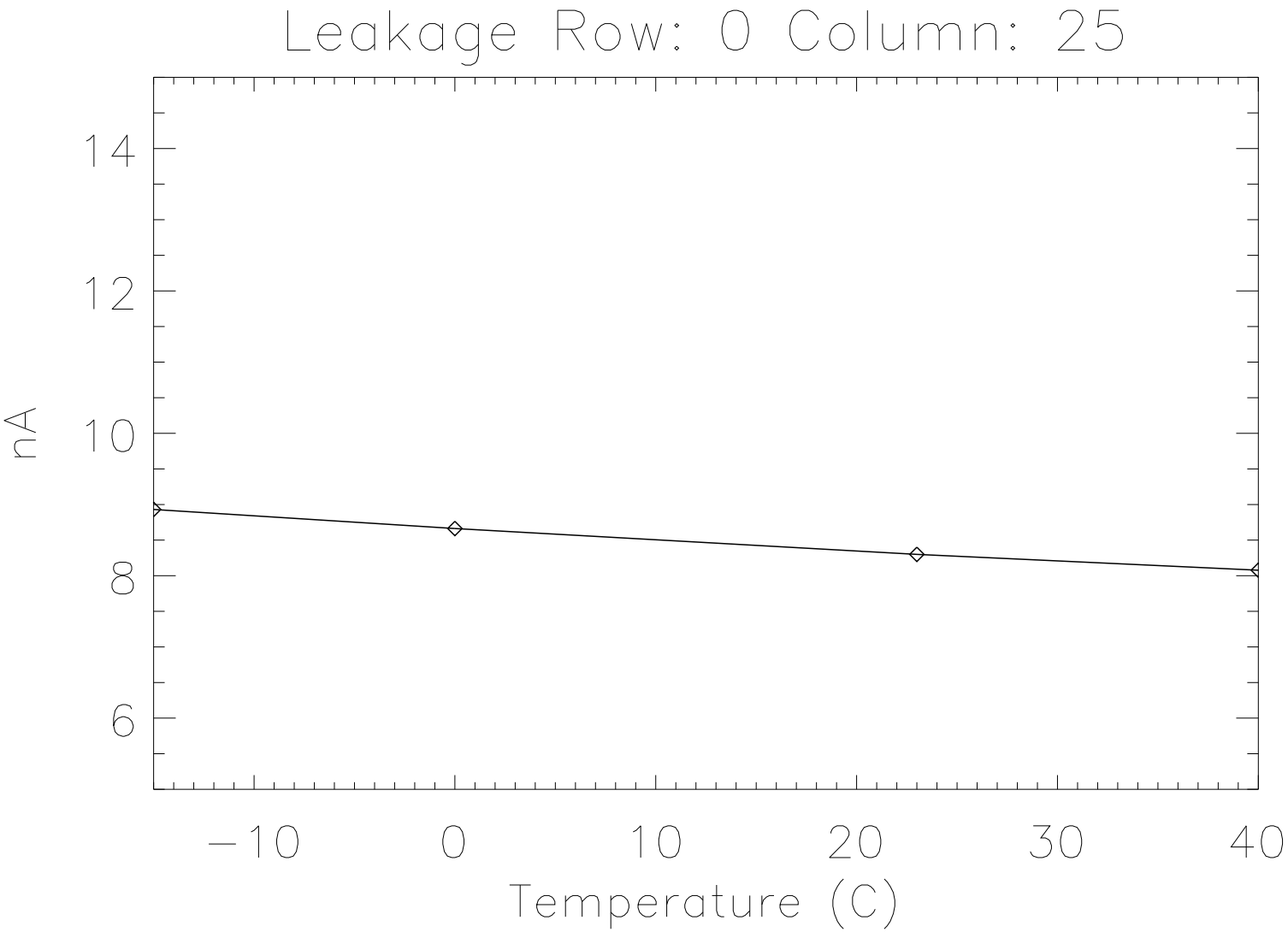
Temperature (C)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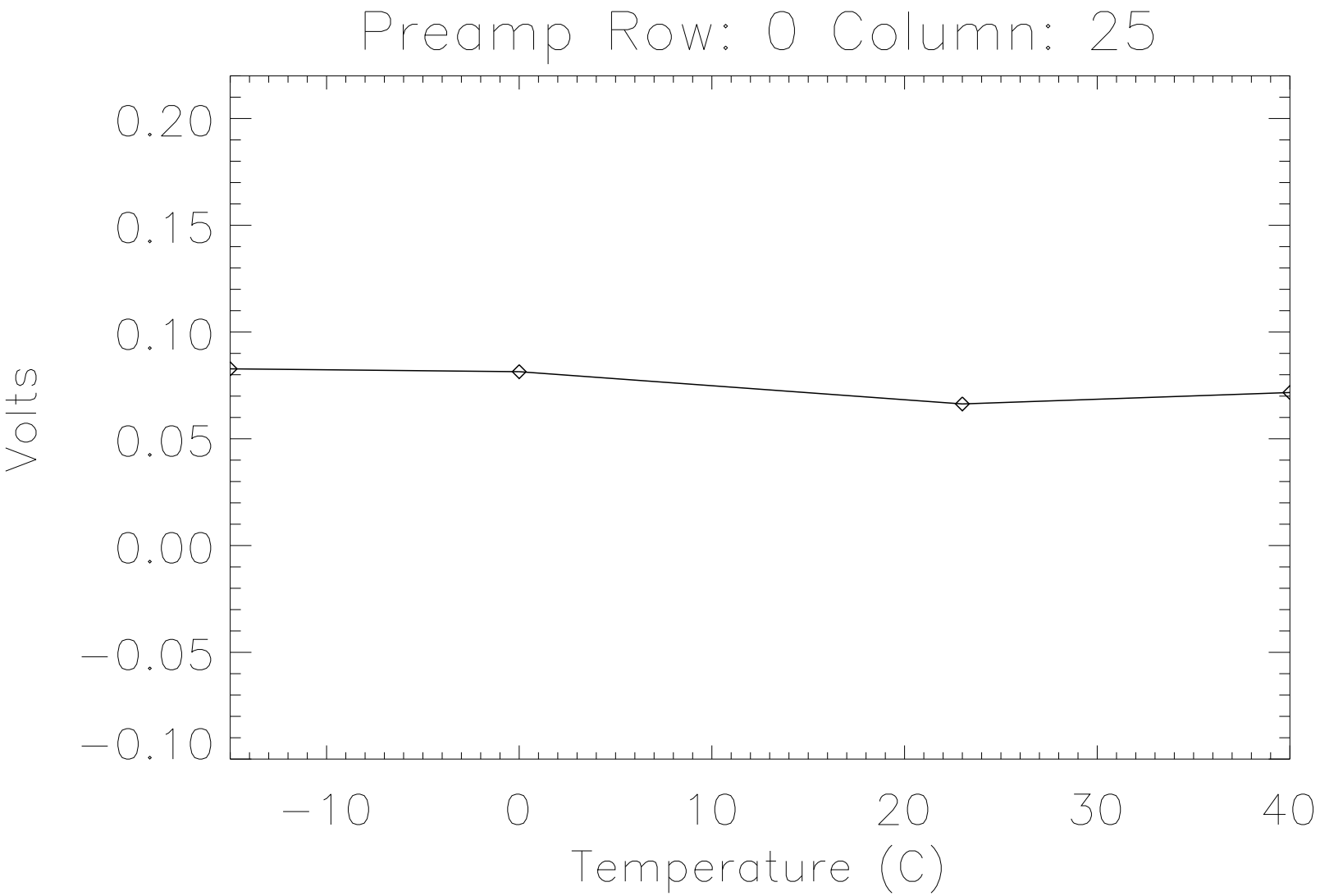
Temperature (C)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Volts
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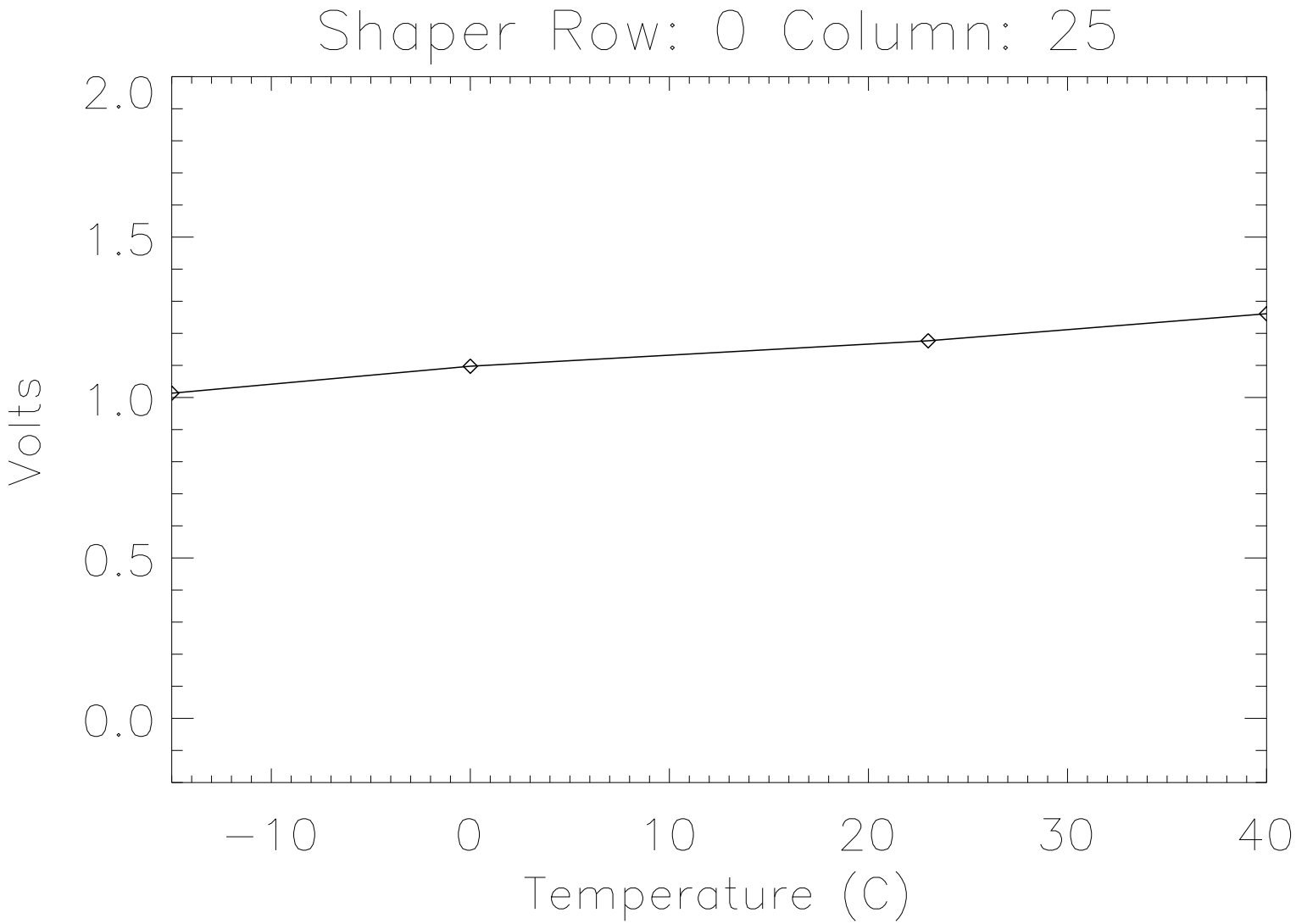
Temperature (C)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Volts
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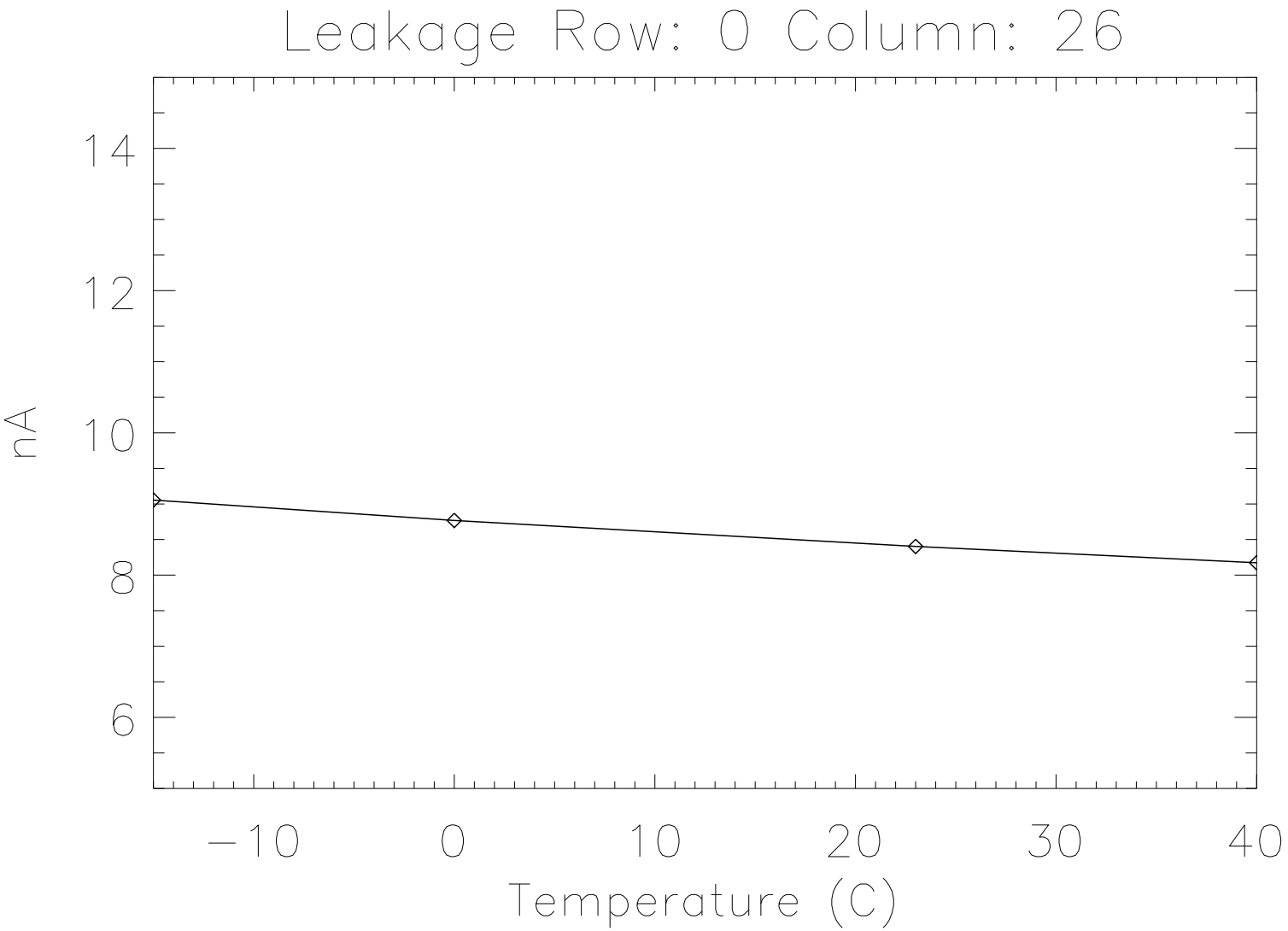
Temperature (C)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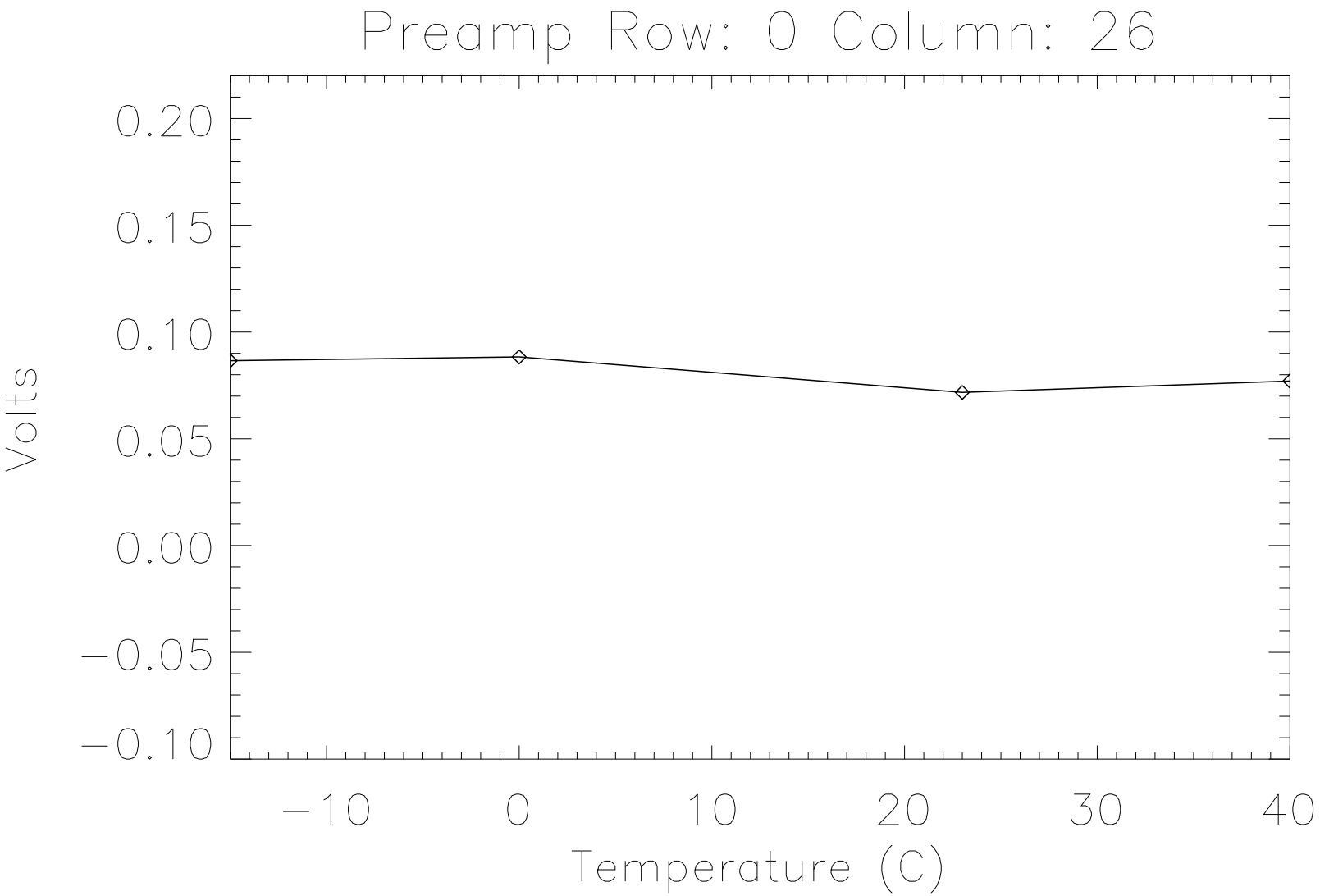
Temperature (C)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Volts
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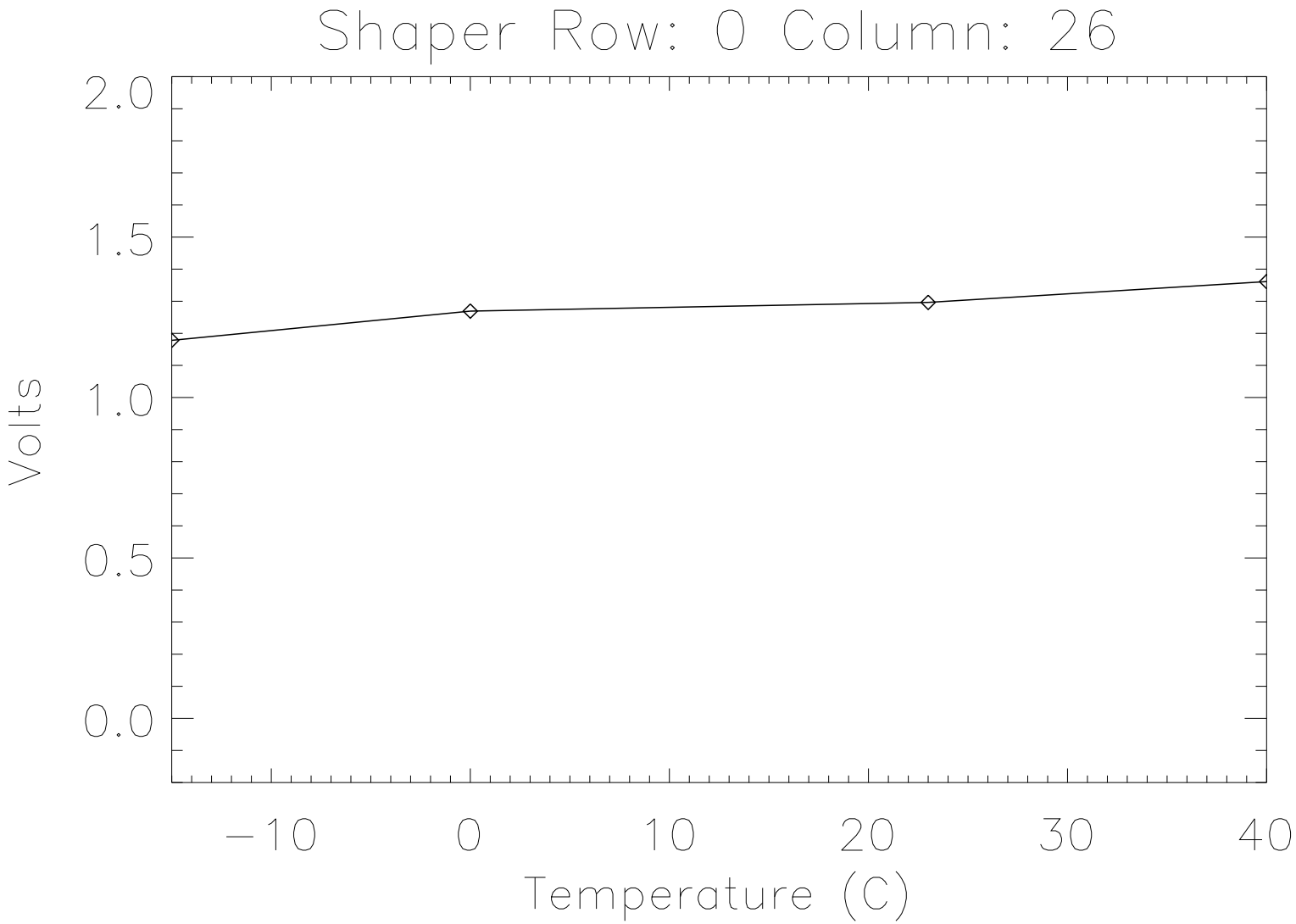
Temperature (C)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Volts
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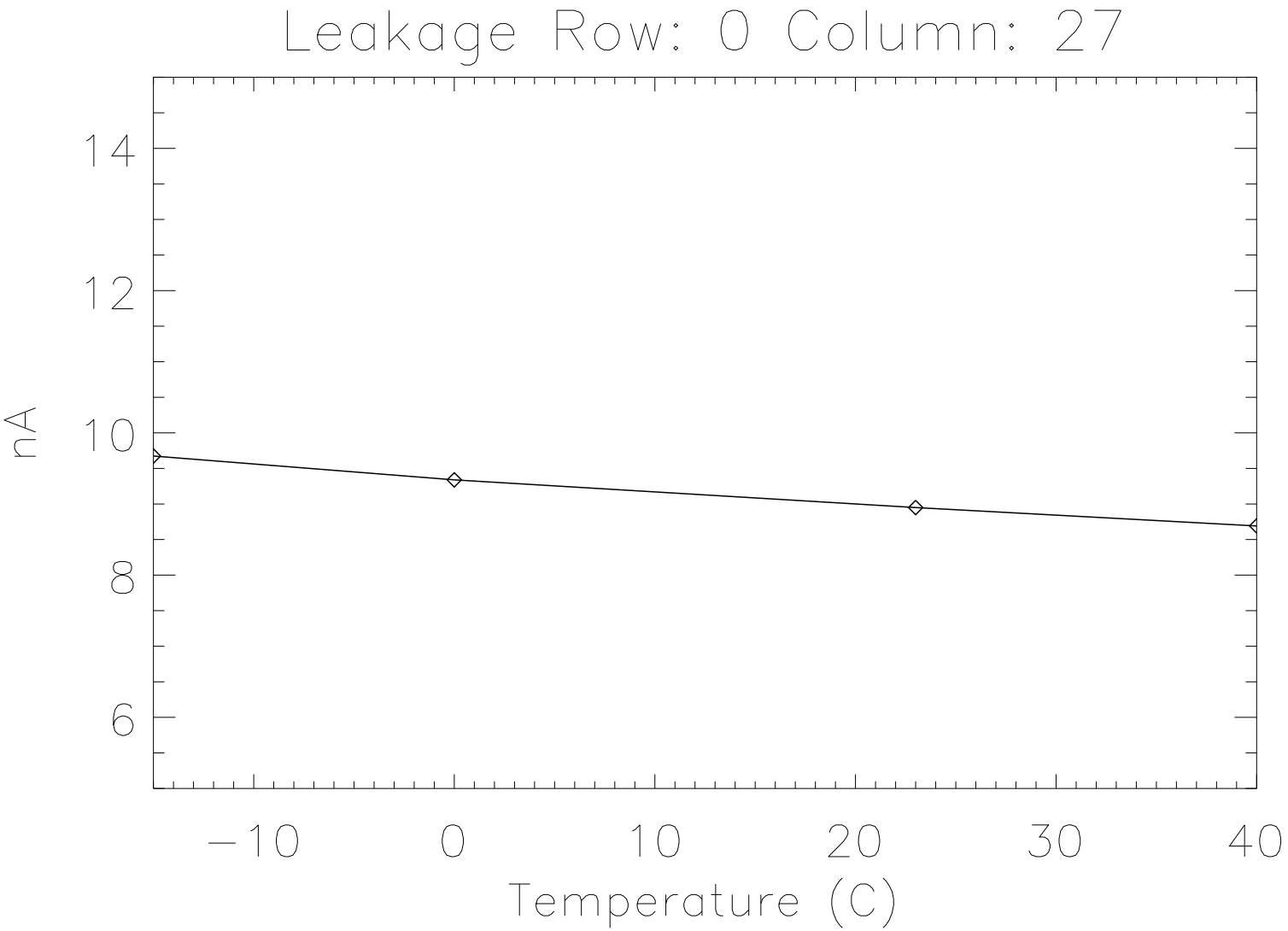
Temperature (C)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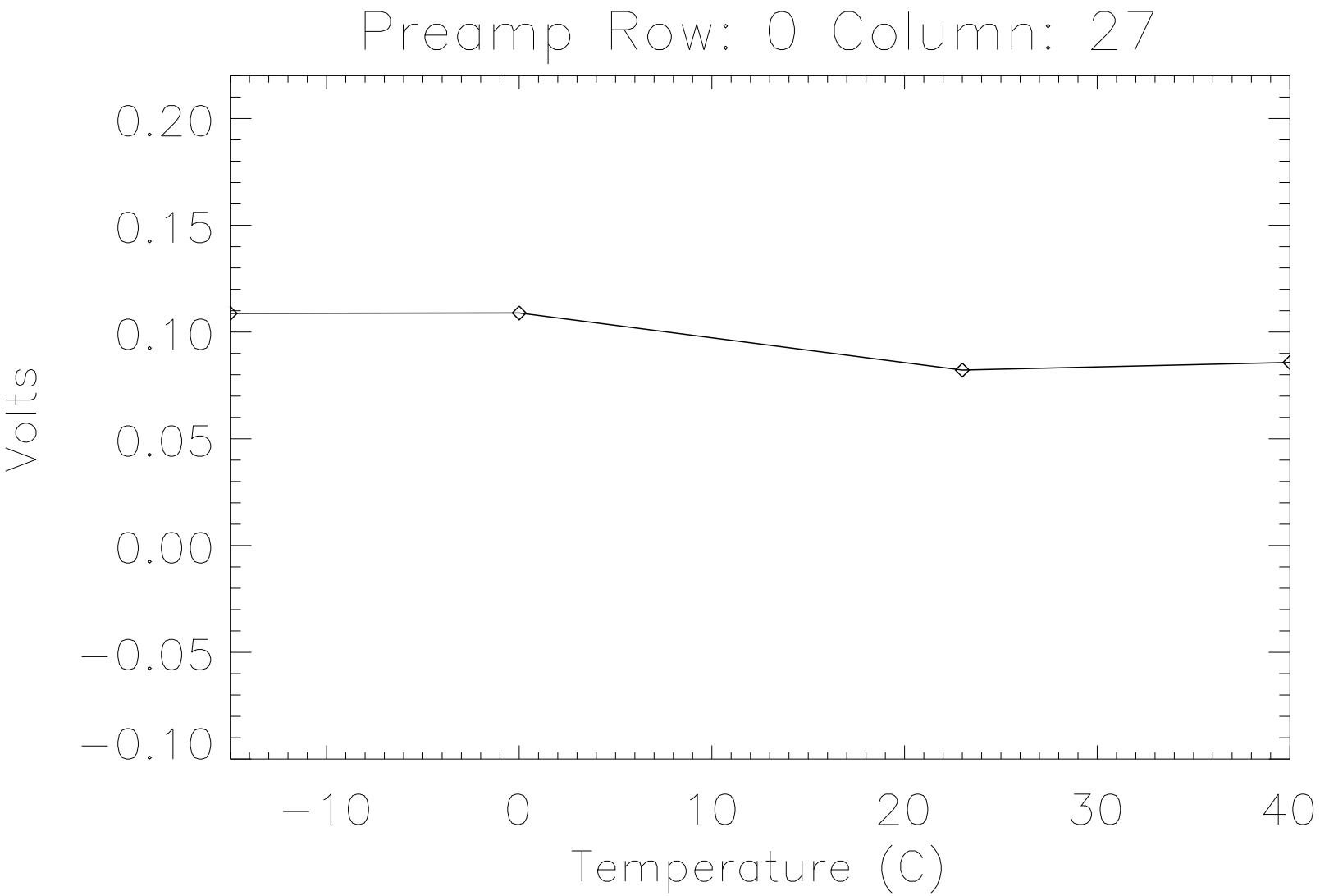
Temperature (C)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Volts
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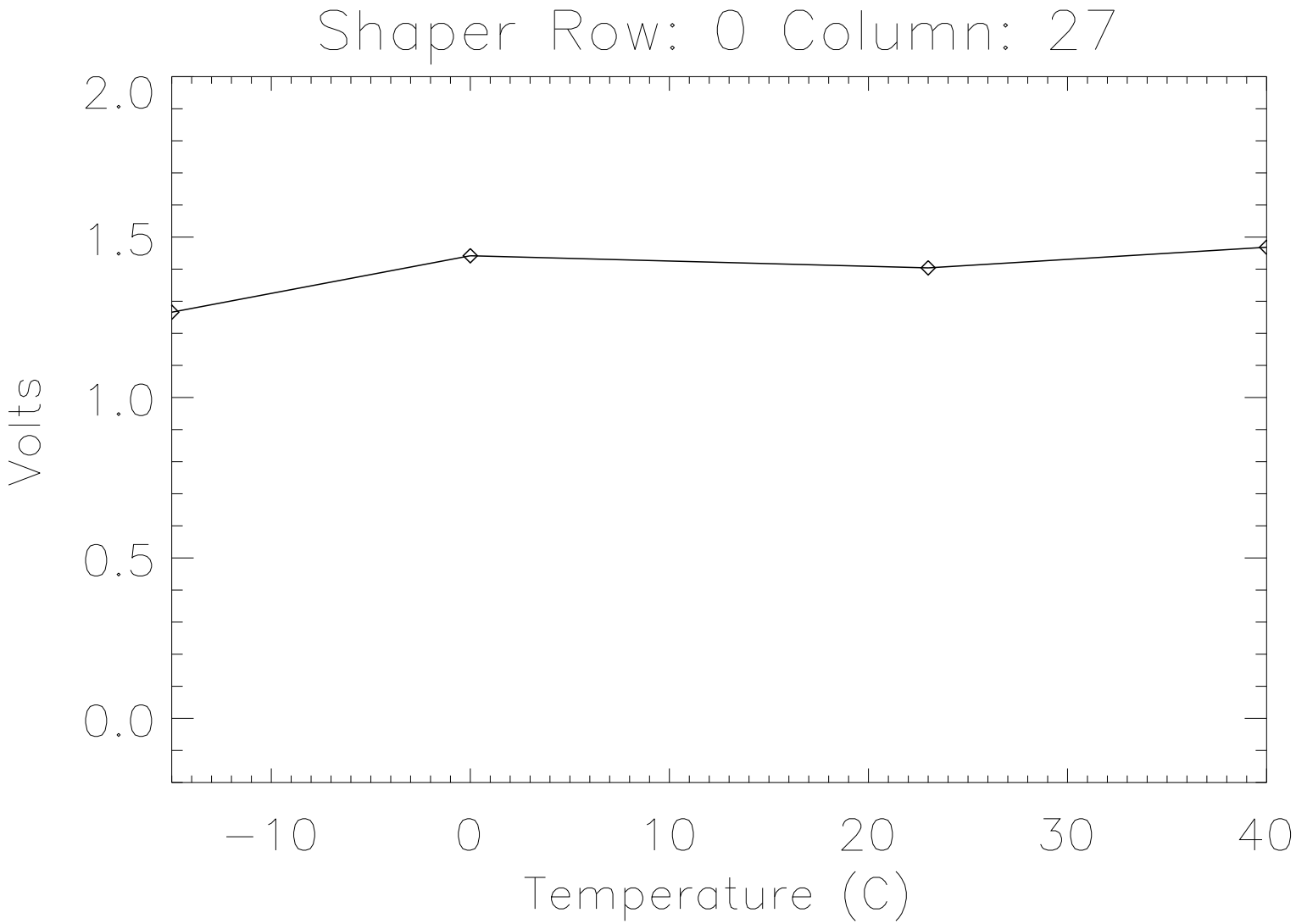
Temperature (C)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Volts
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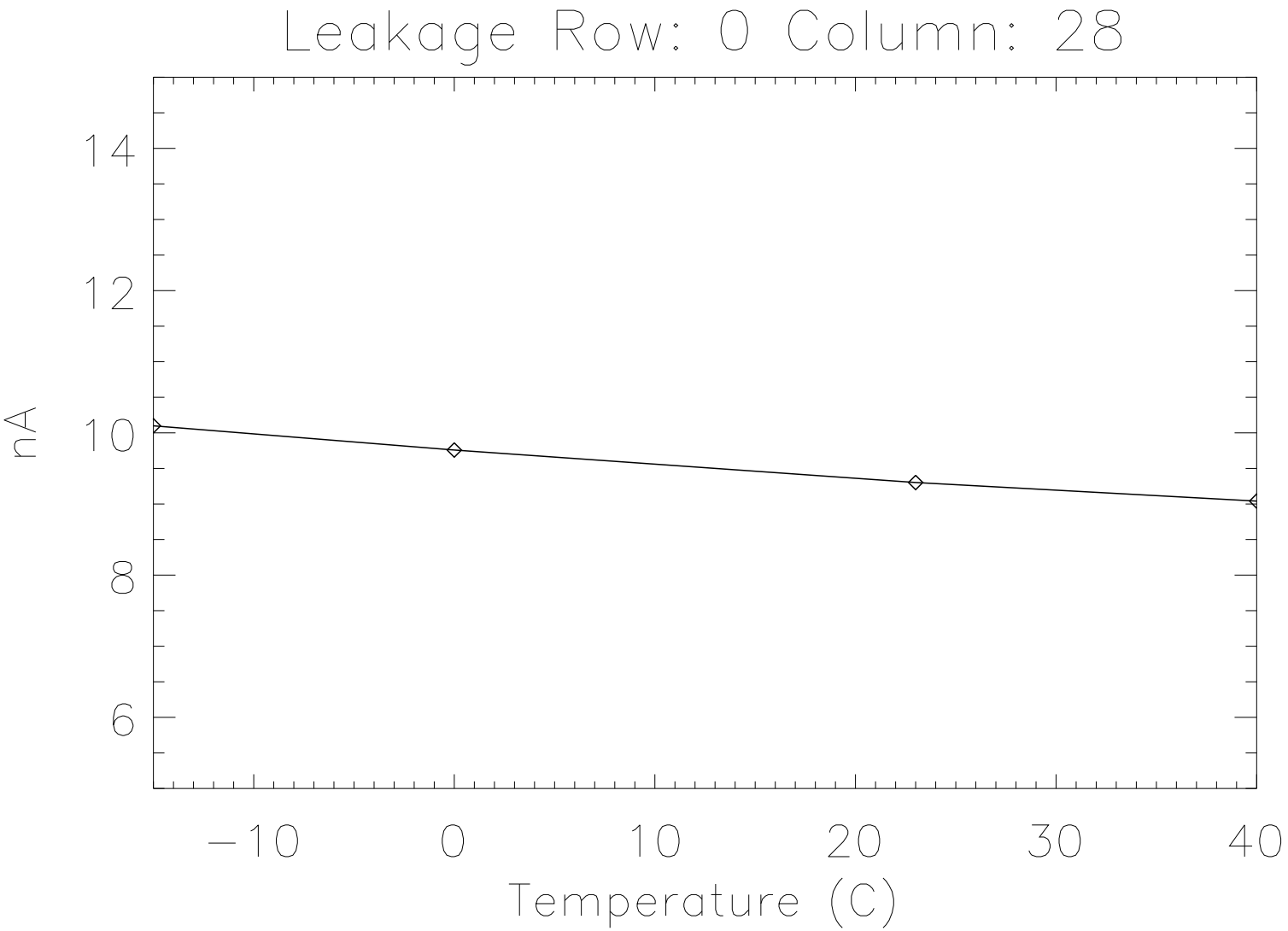
Temperature (C)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8
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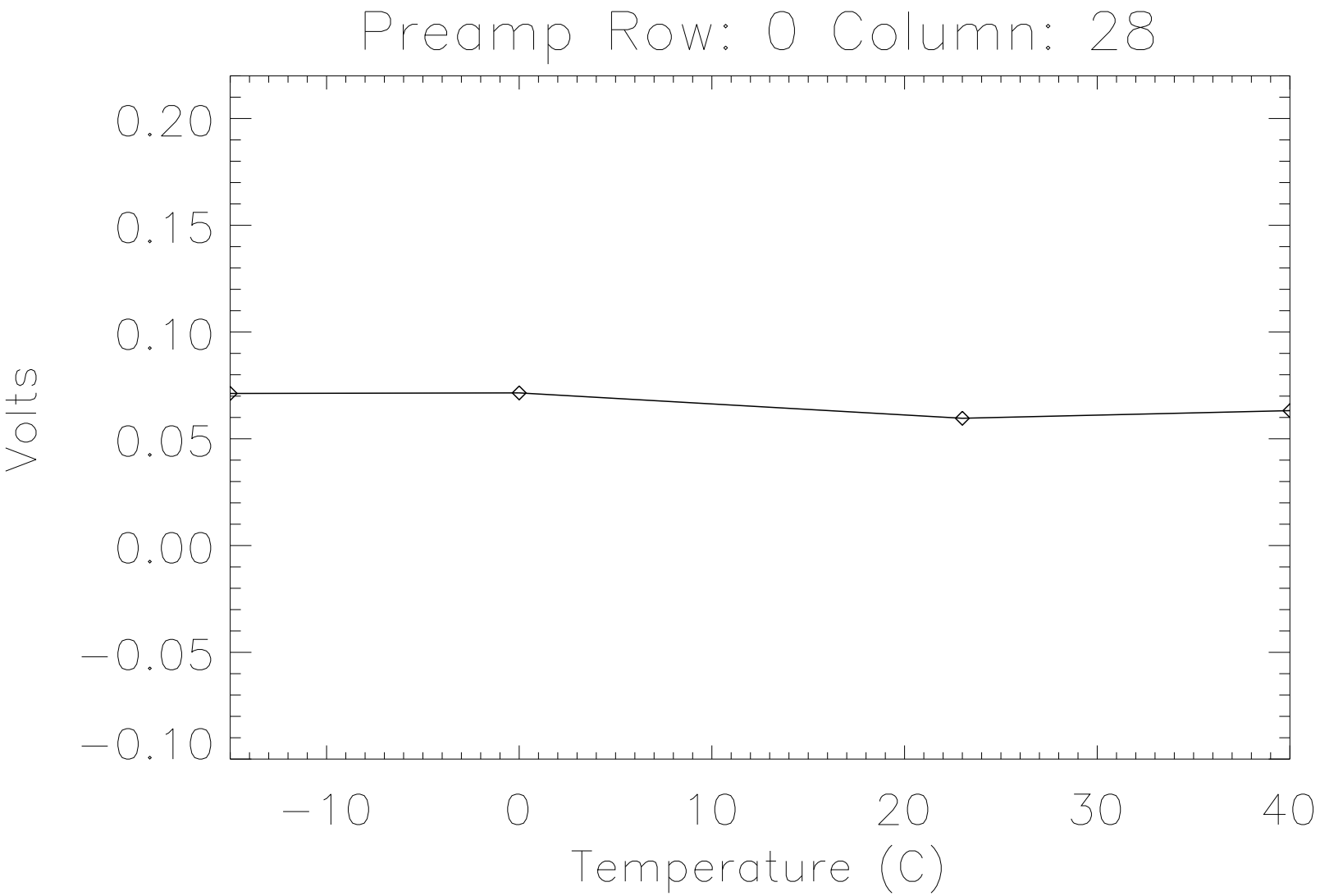
30
40
Temperature (C)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Volts
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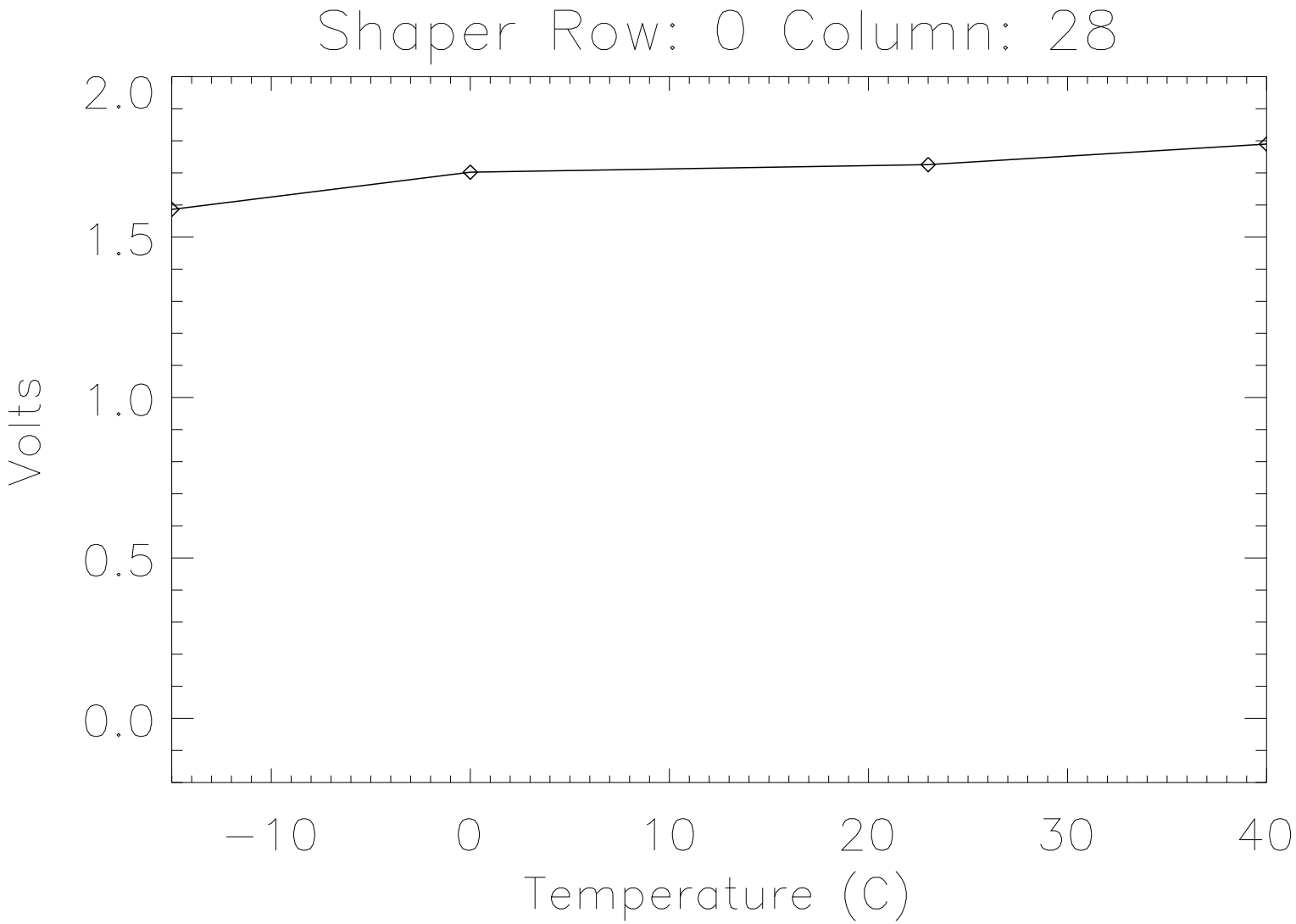
Temperature (C)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Volts
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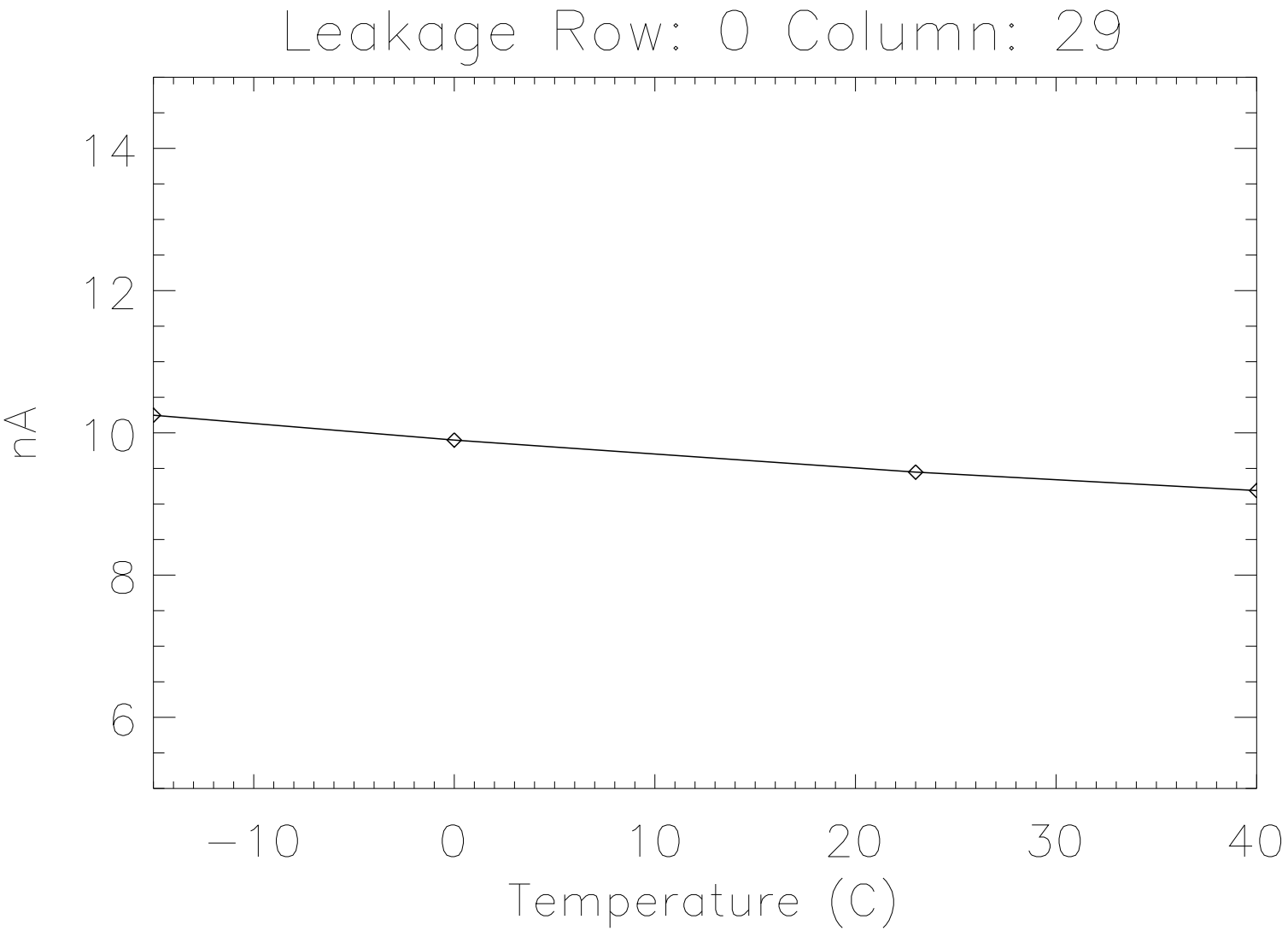
Temperature (C)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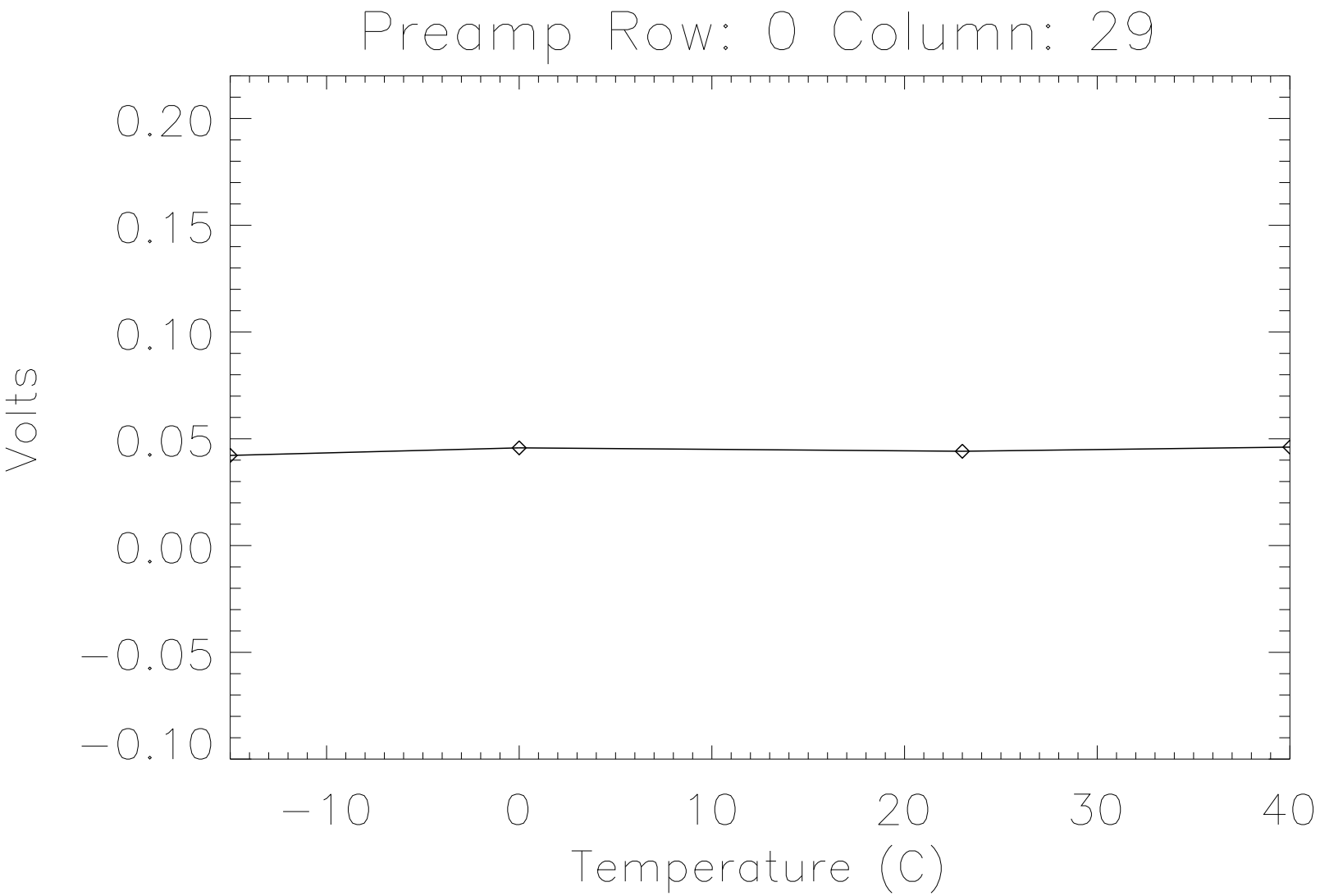
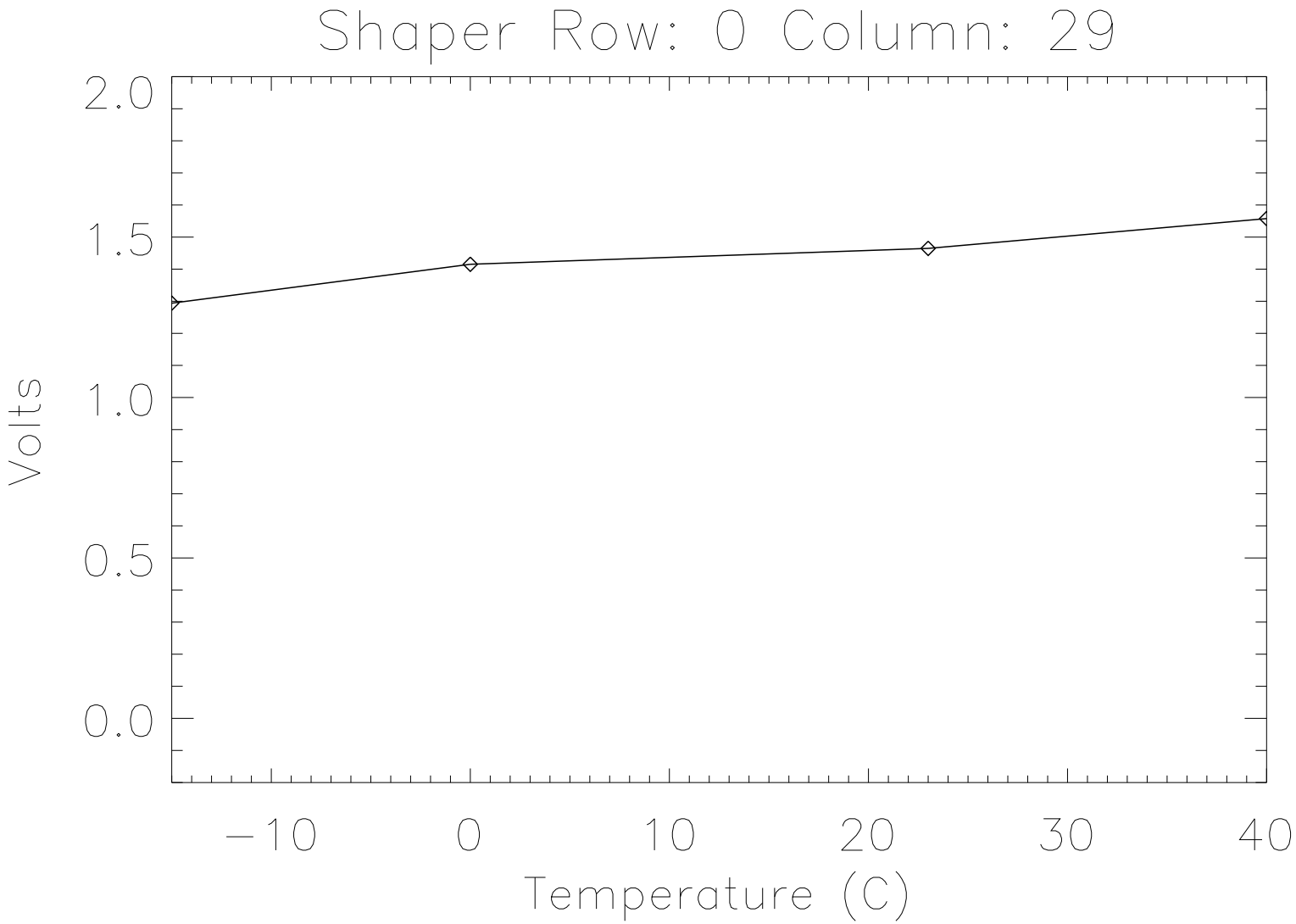
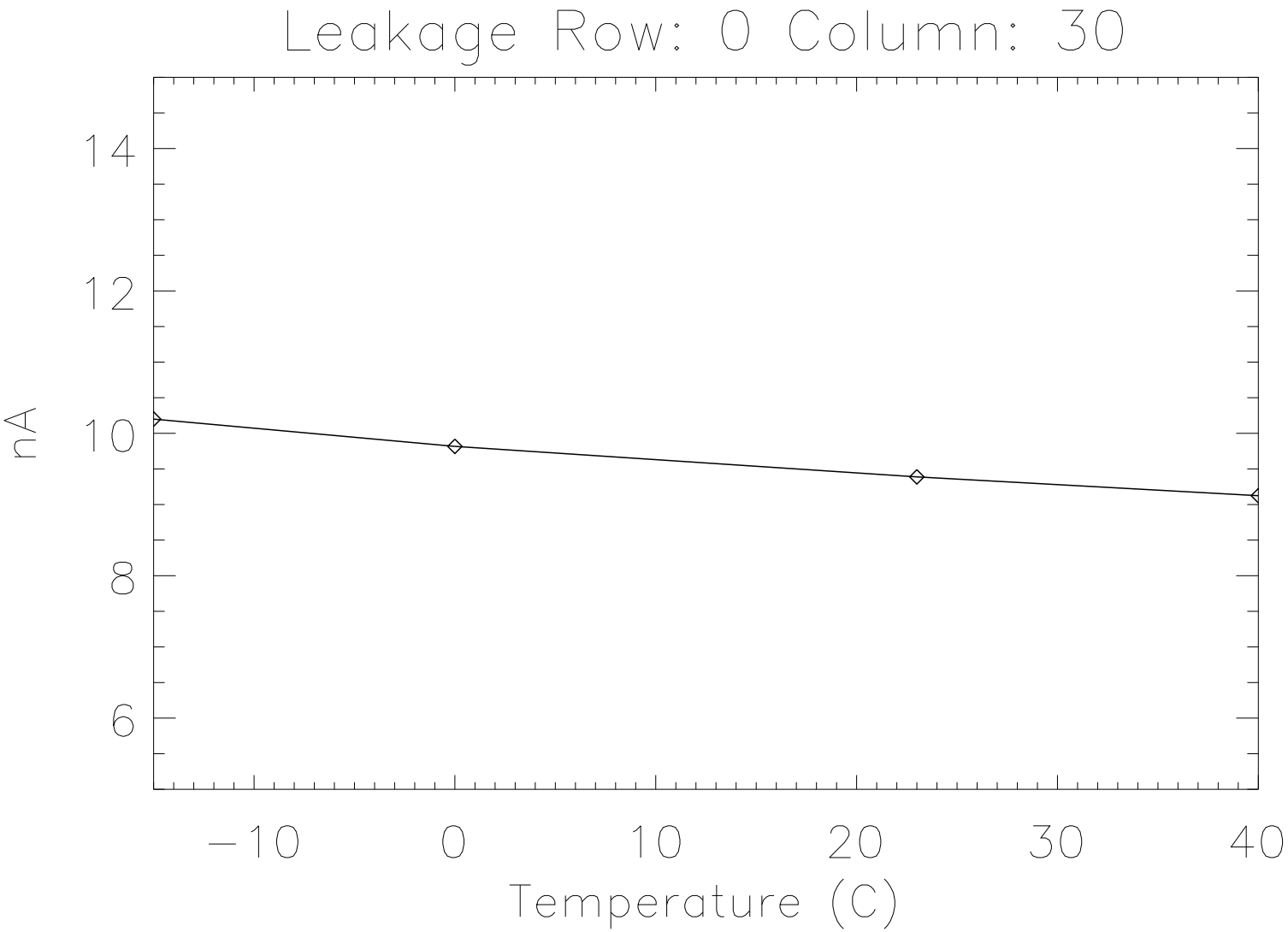
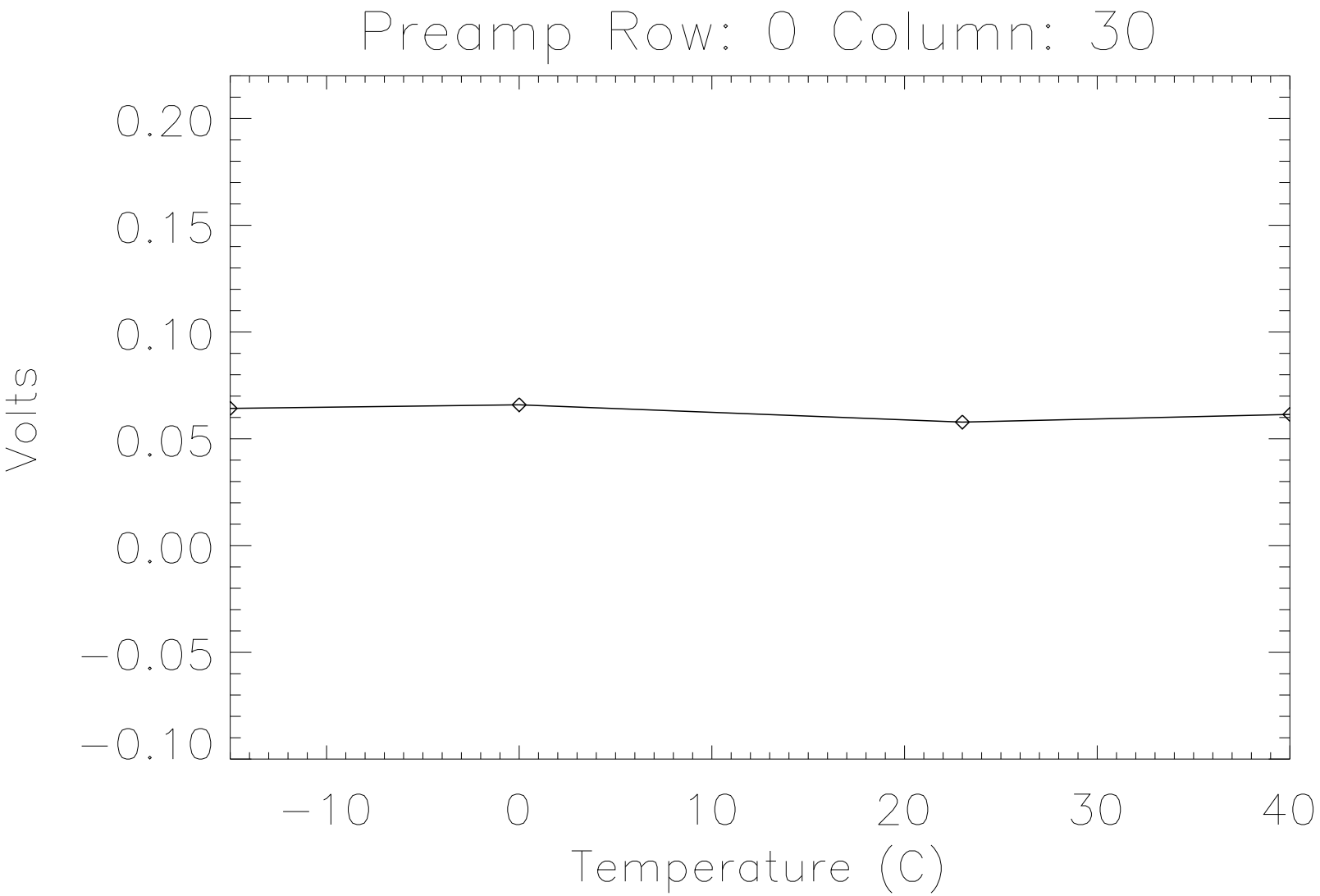
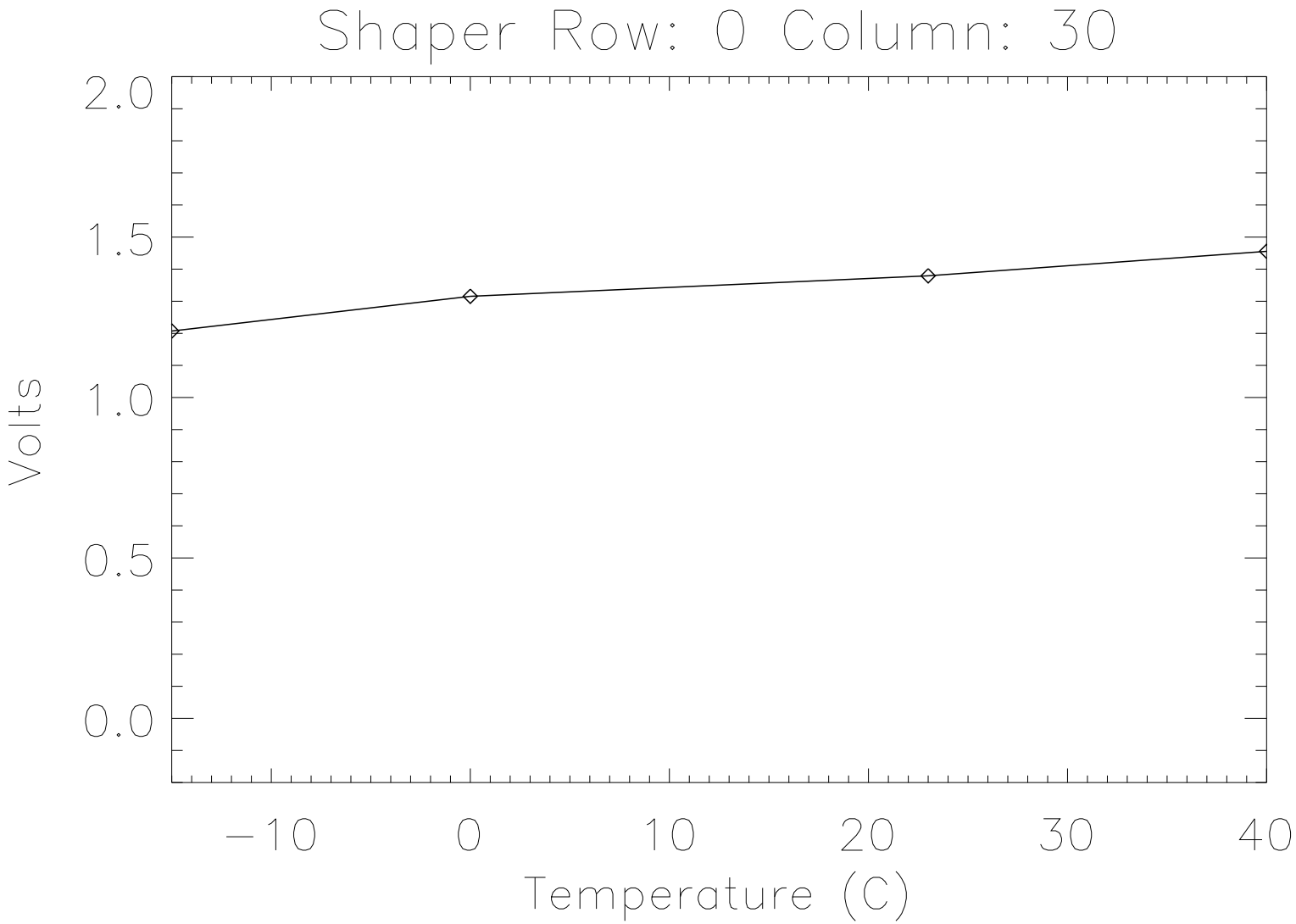
40
Temperature (C)

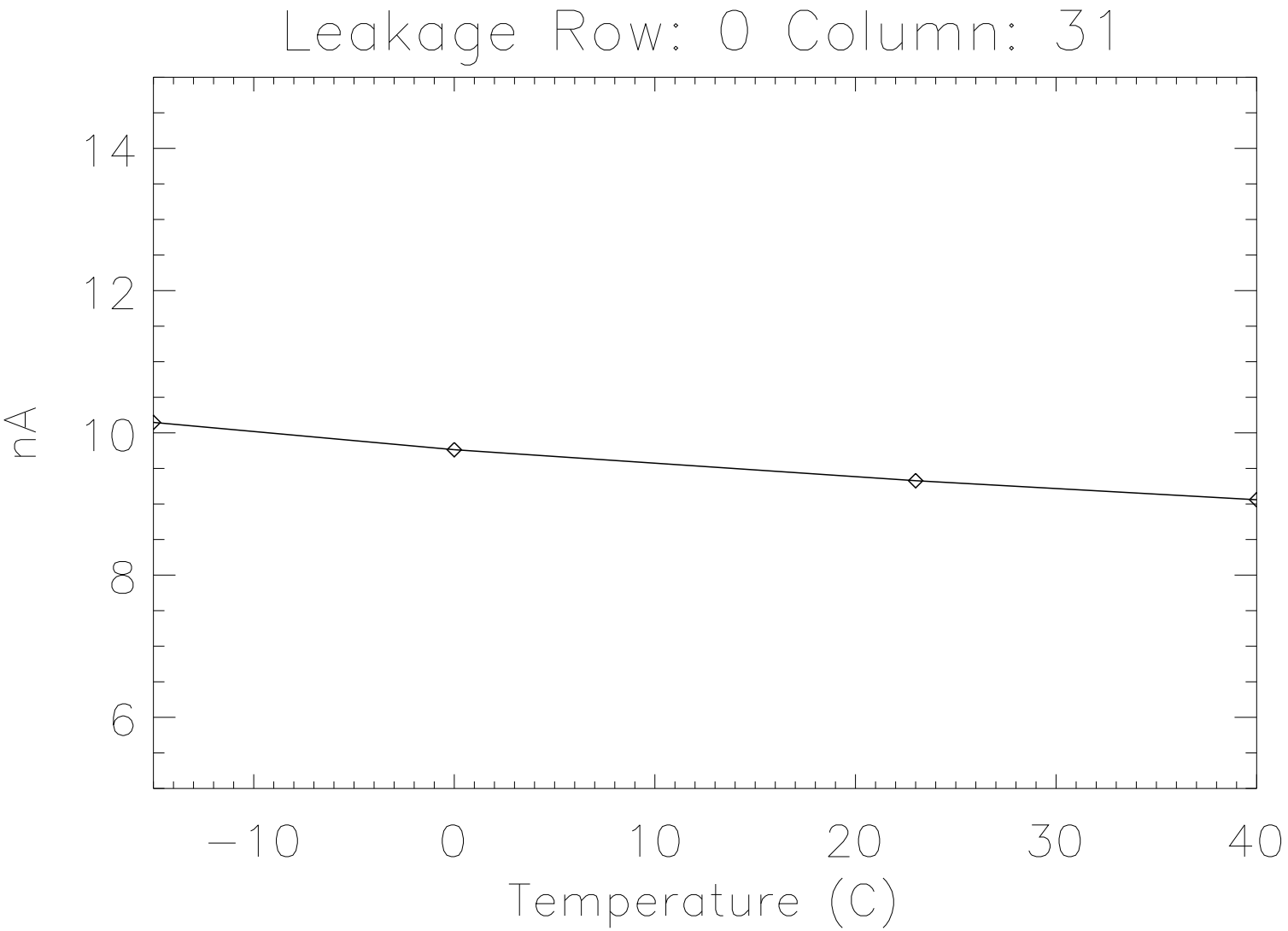

Preamp Row: 0 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

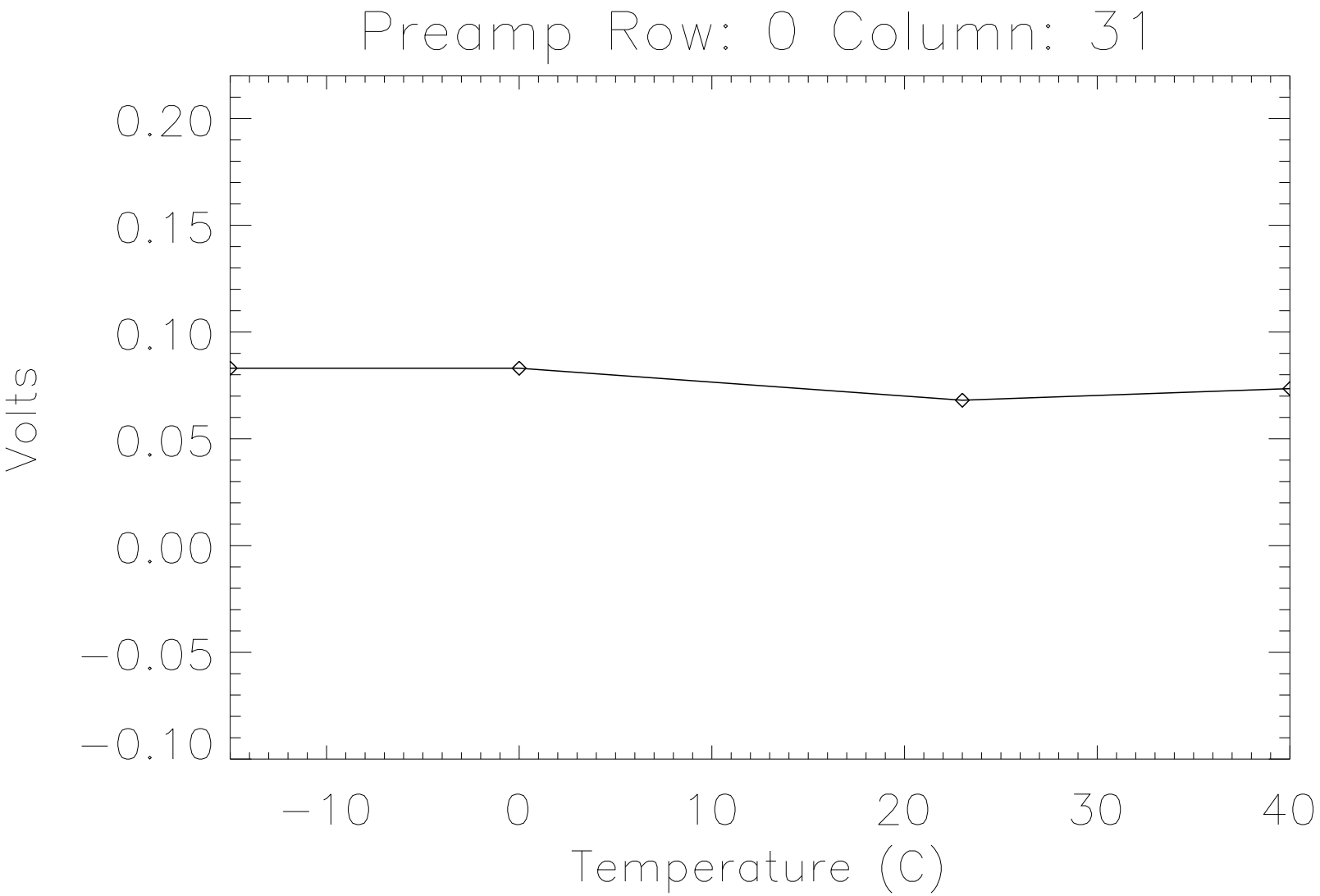

Shaper Row: 0 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

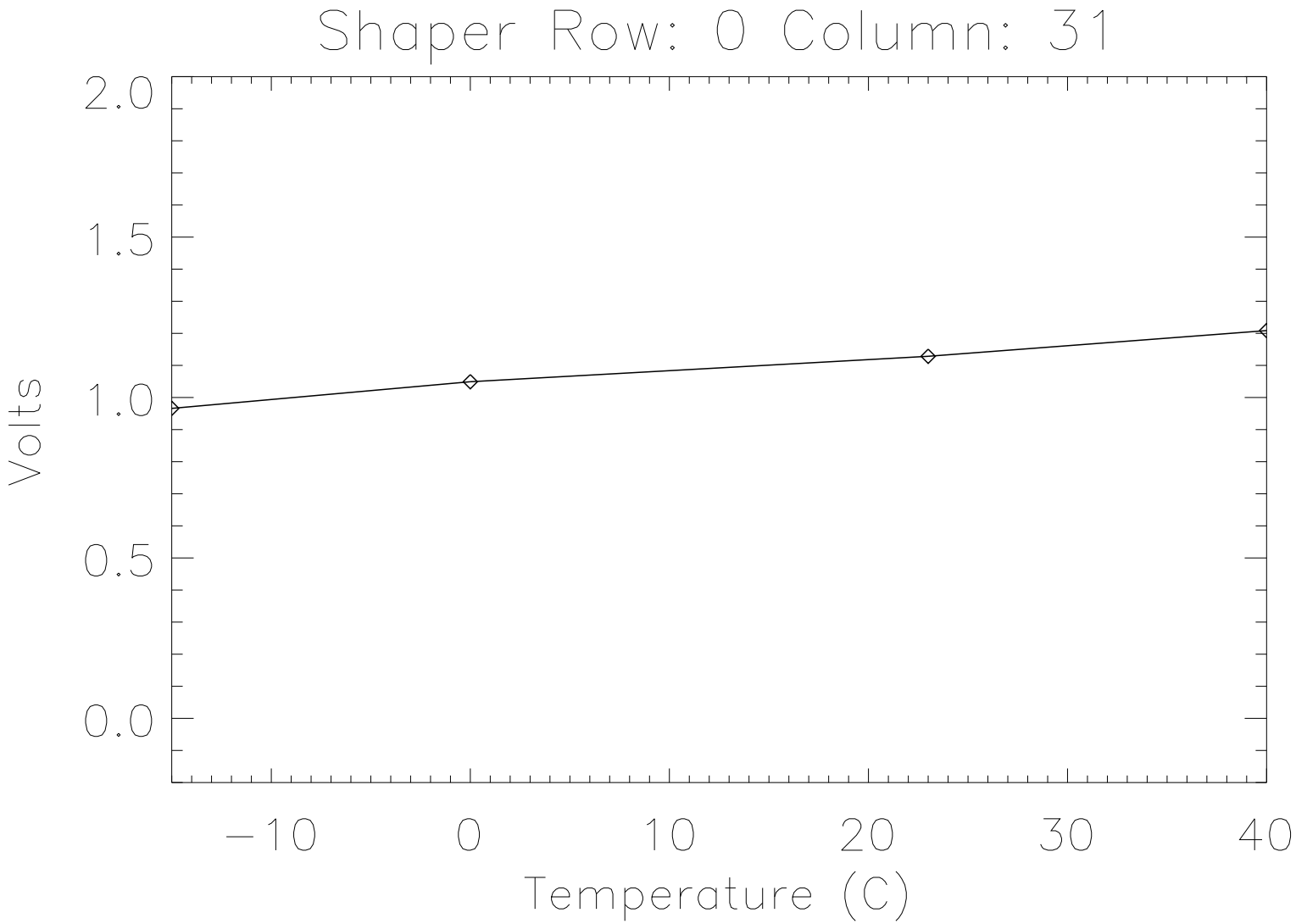

Leakage Row: 0 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

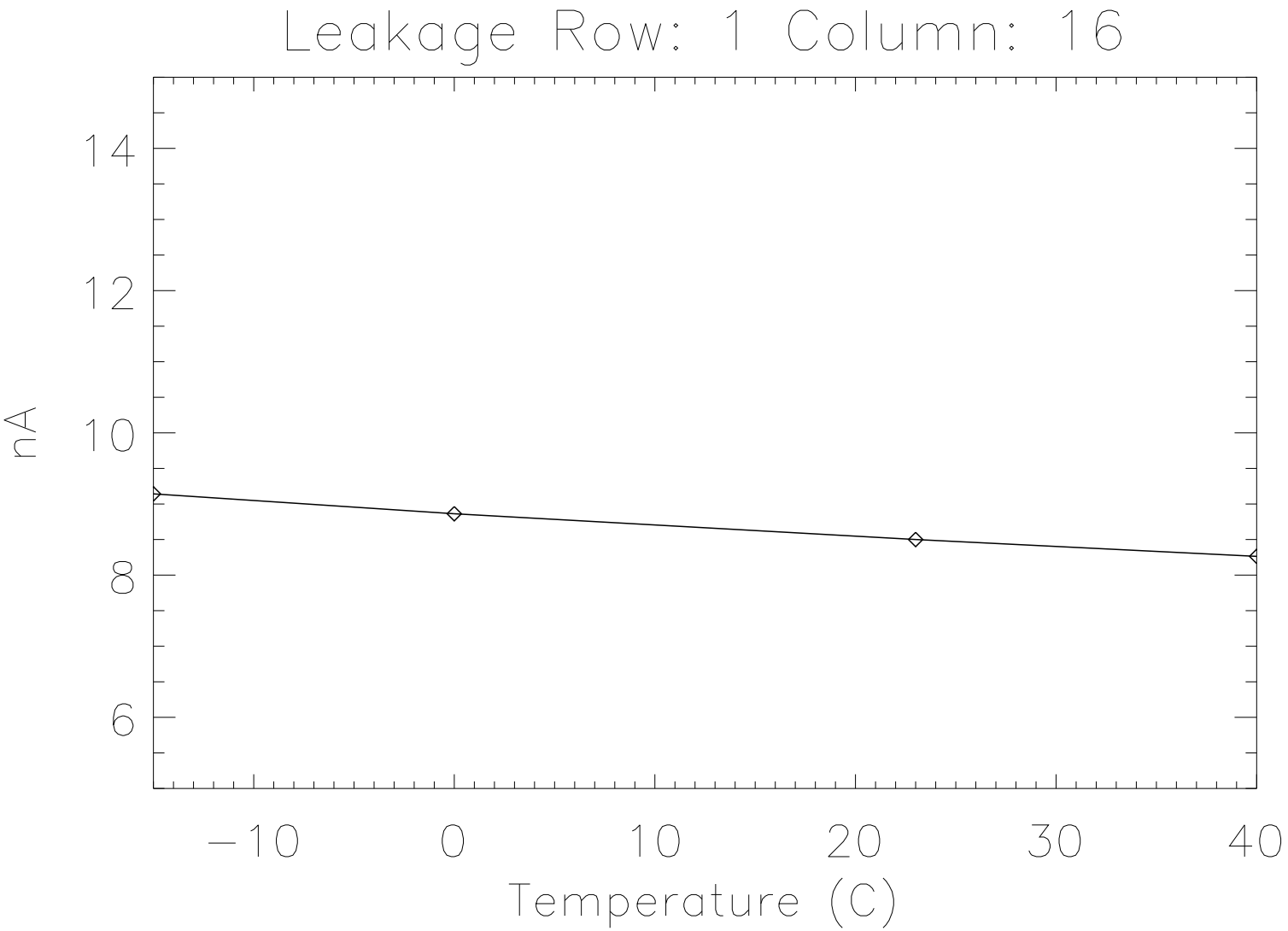

Preamp Row: 0 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

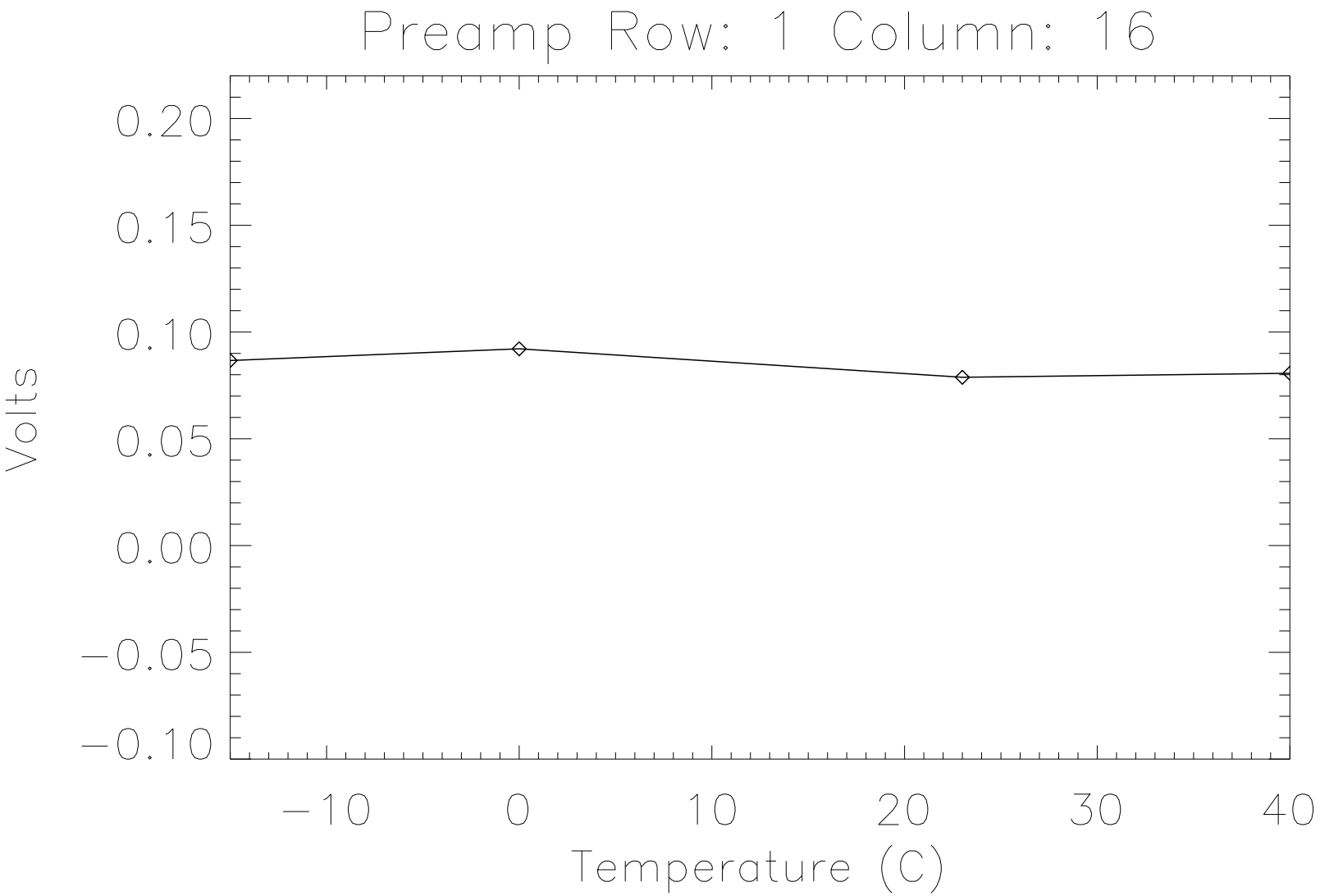

Shaper Row: 0 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 0 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 0 Column: 31
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 0 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 1 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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0.20
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0.10
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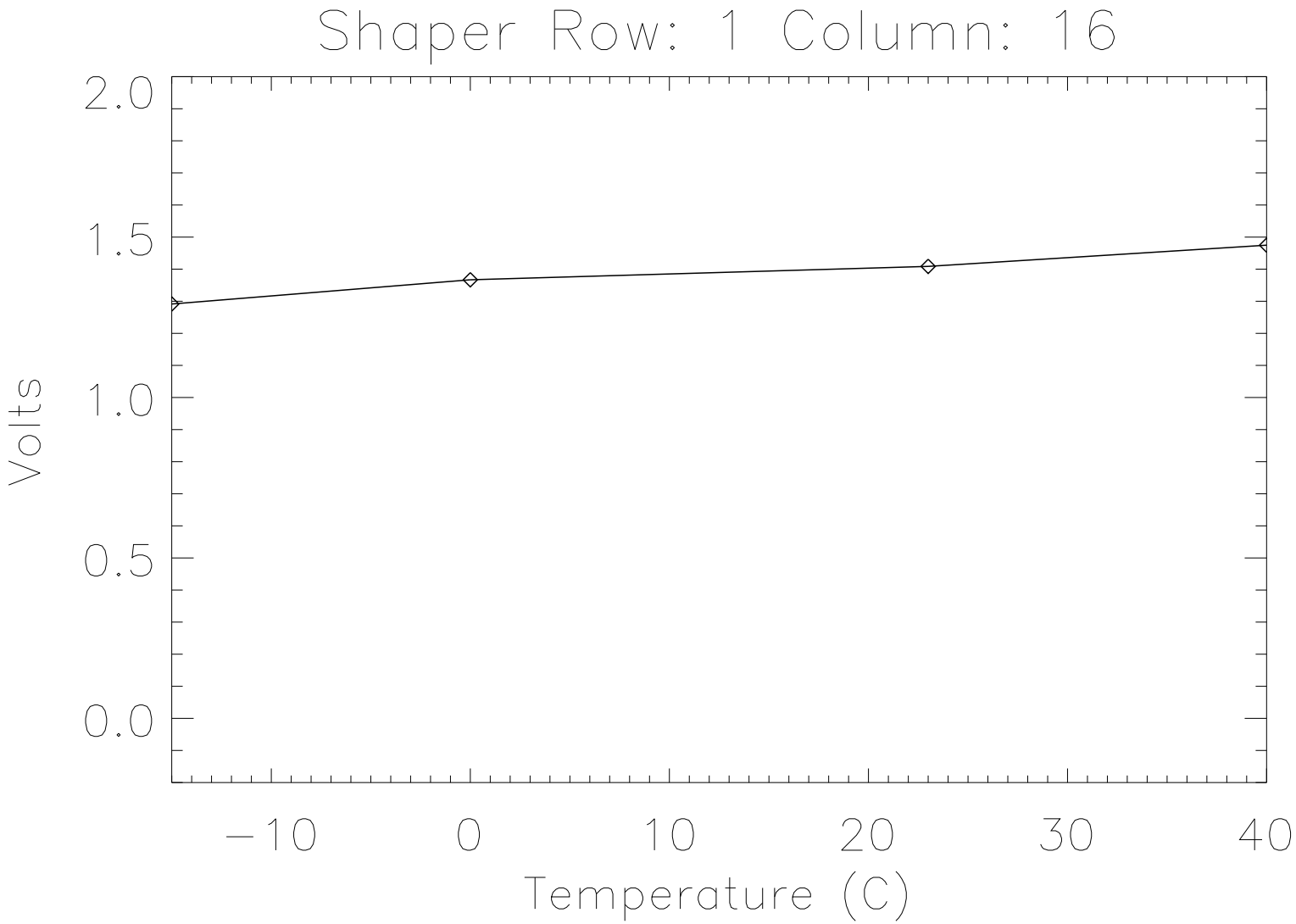
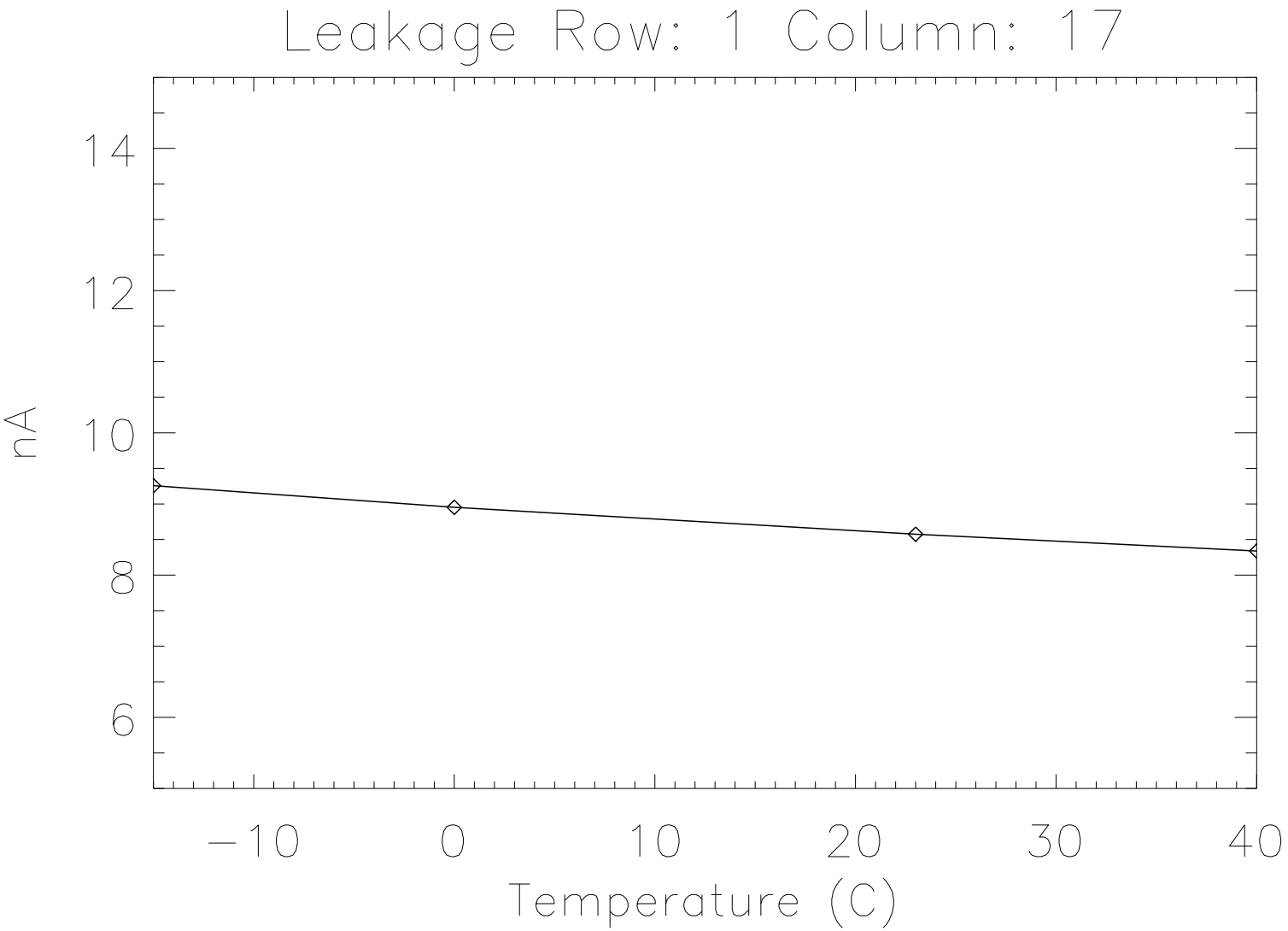
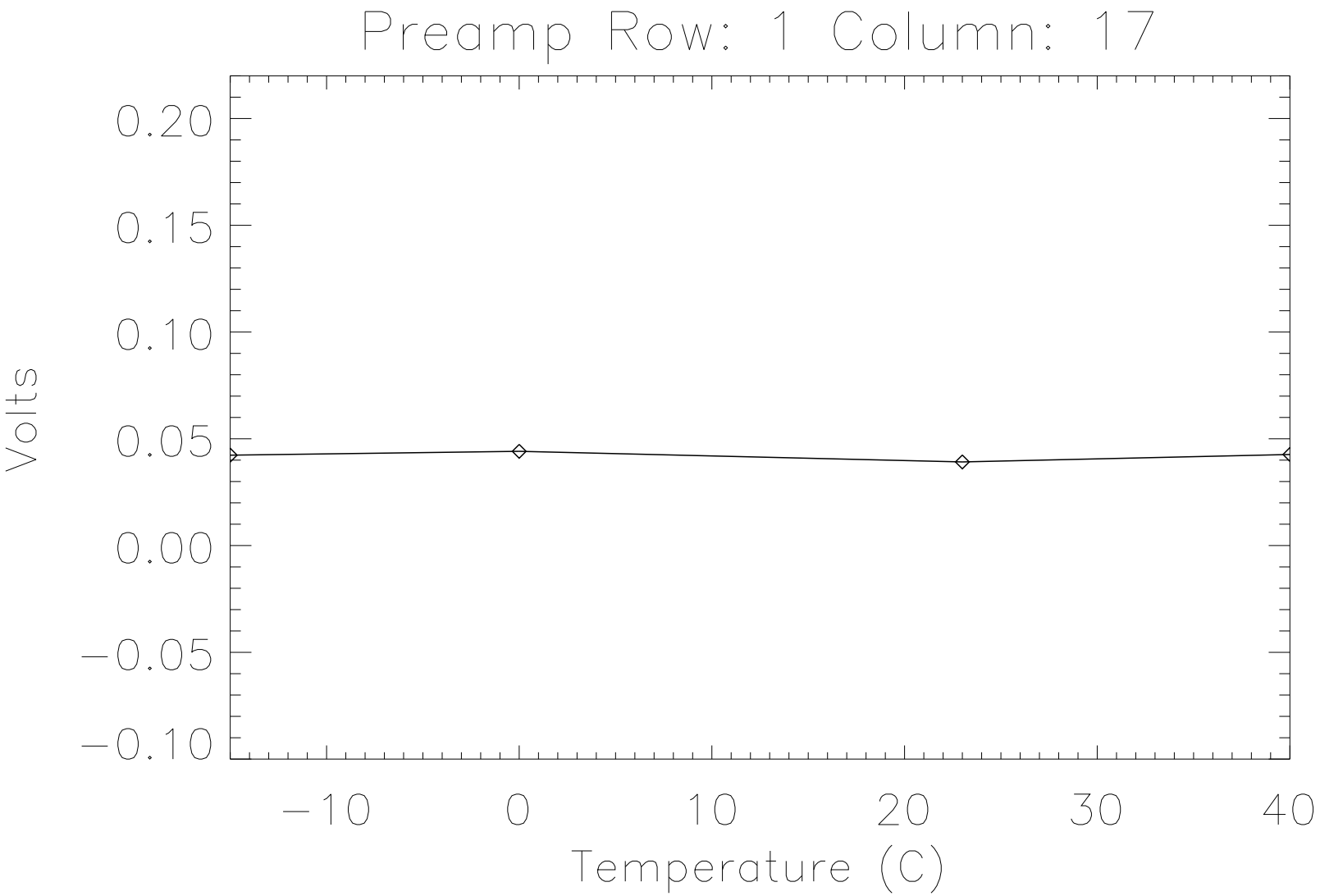
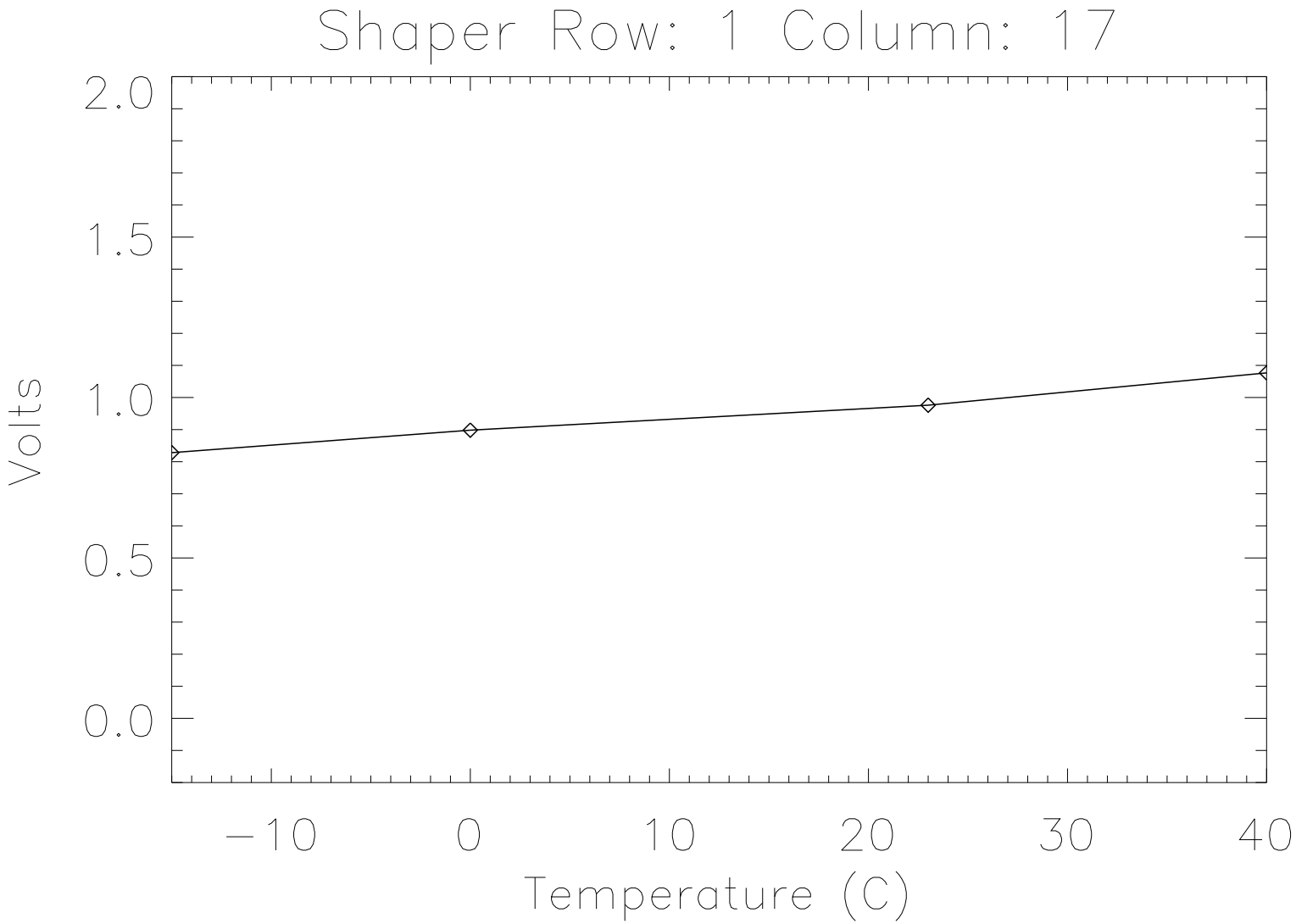
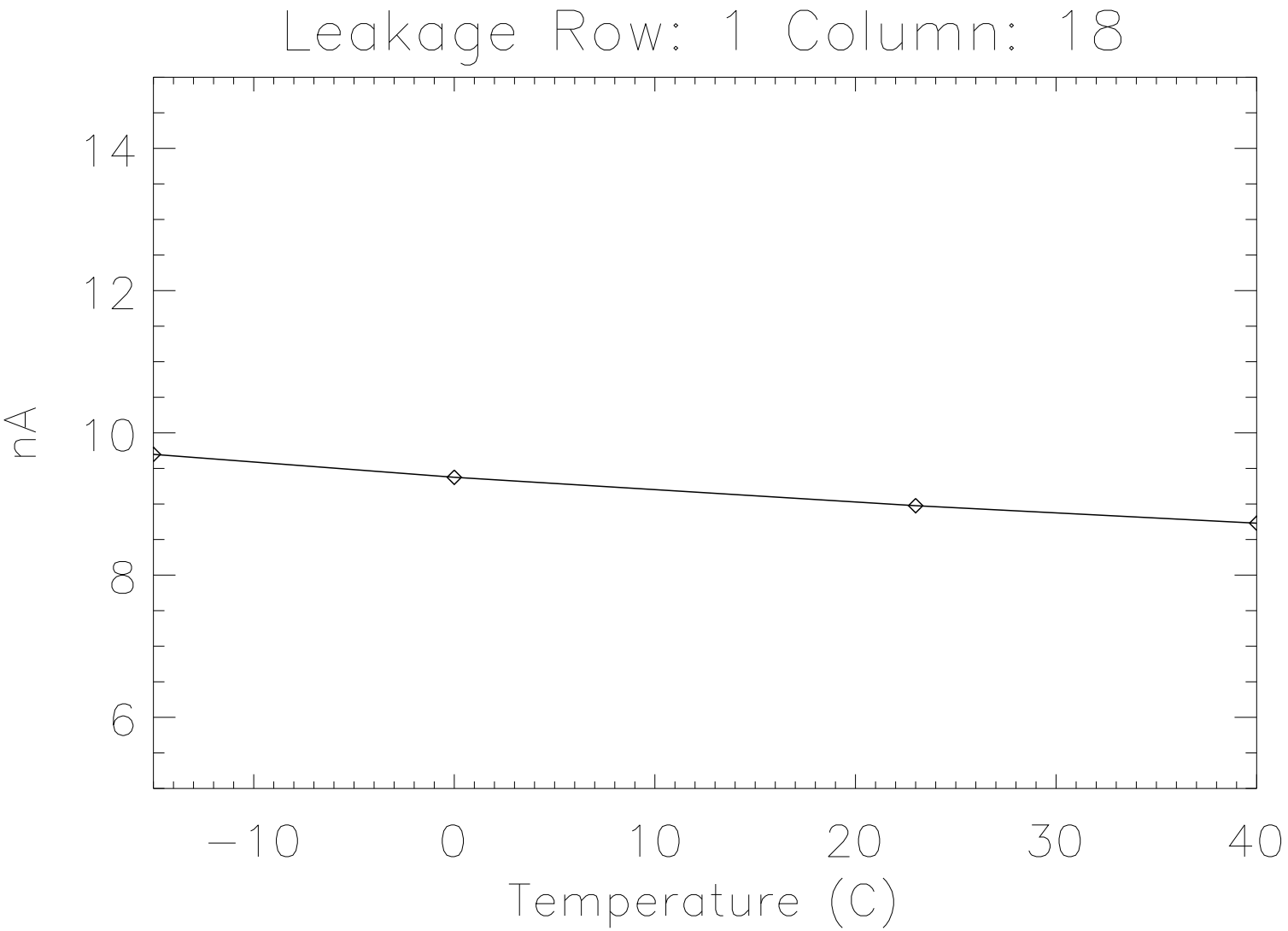
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

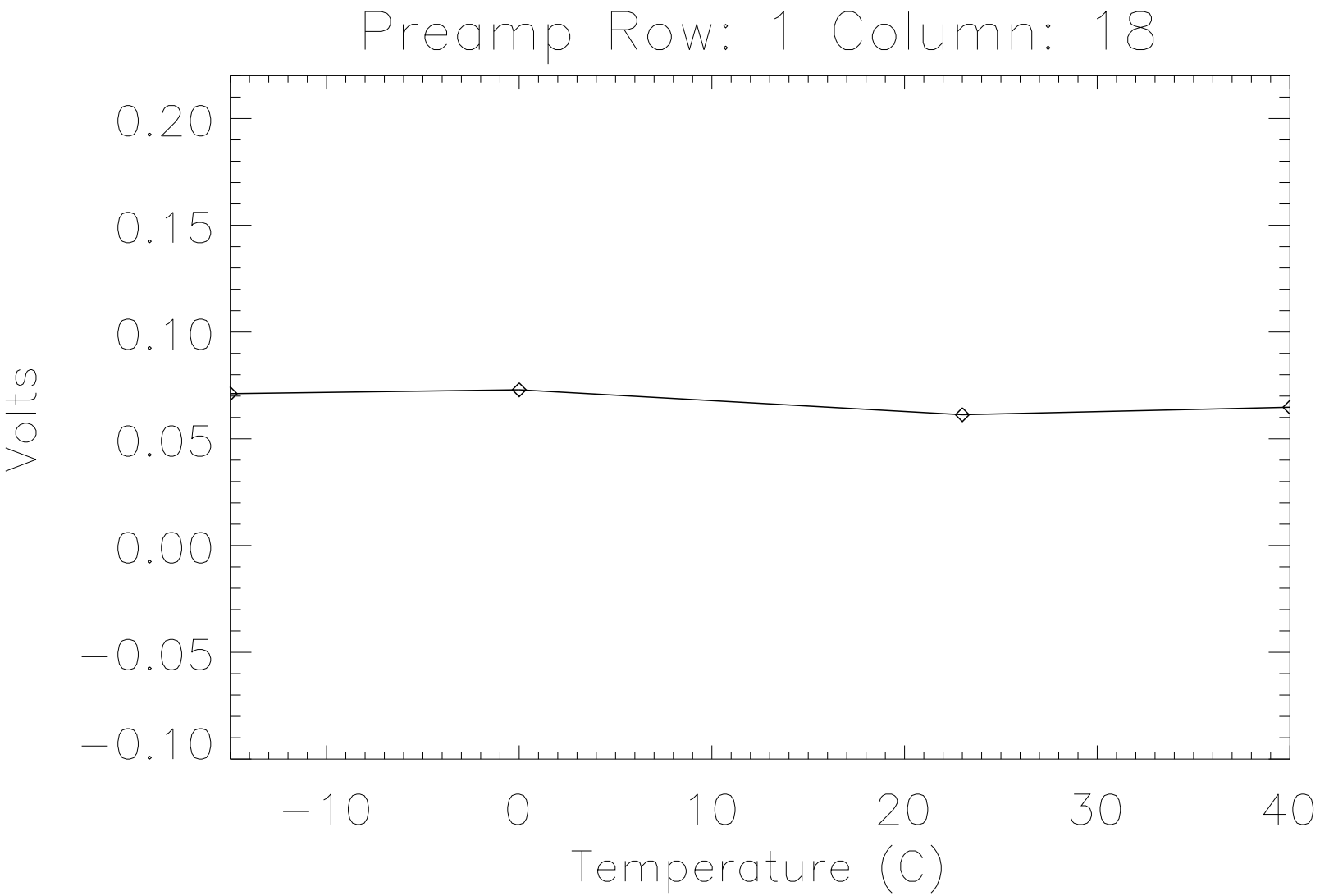

Shaper Row: 1 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 1 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 1 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 1 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 1 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 1 Column: 18
0.20
0.15
0.10
0.05
0.00
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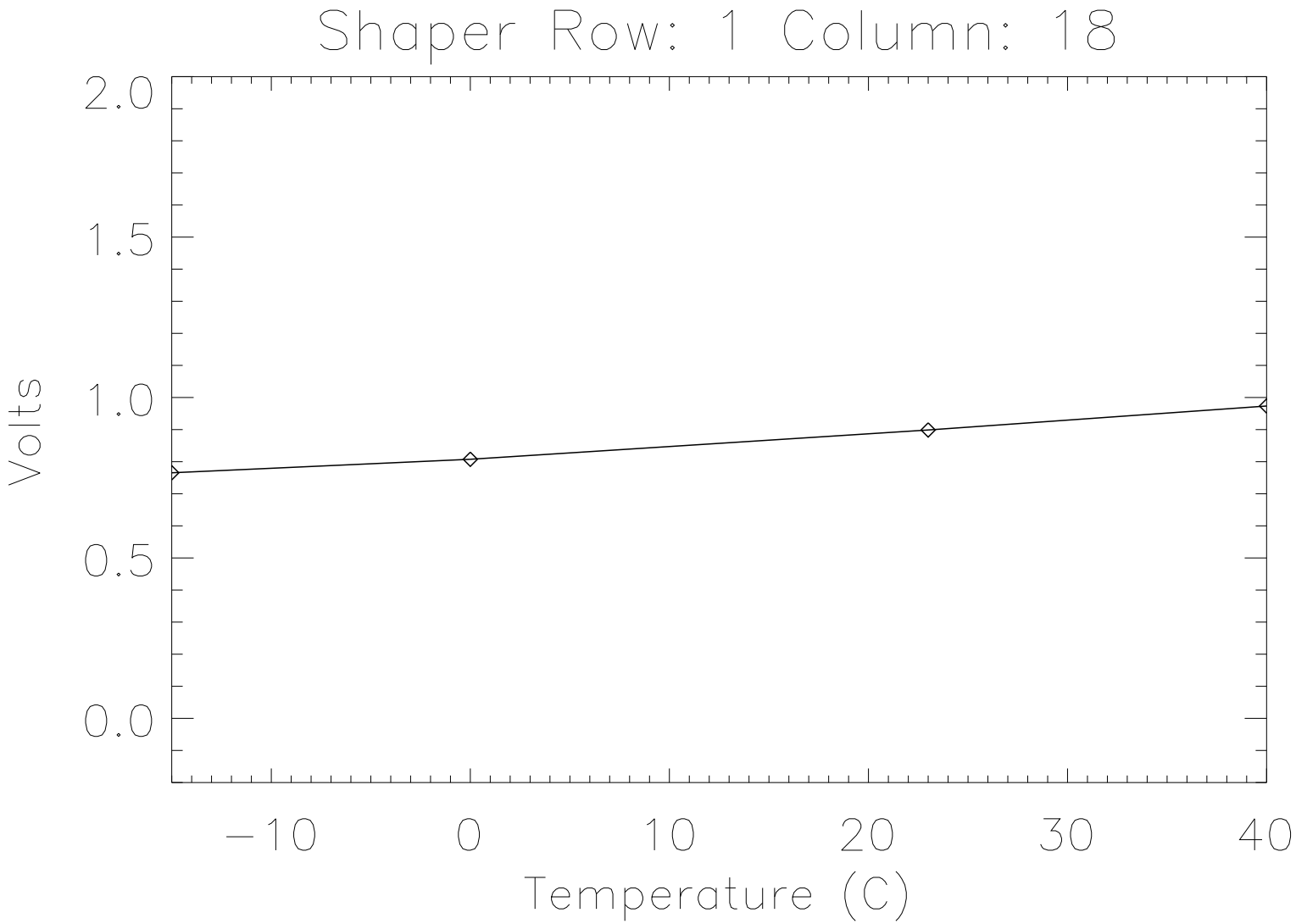
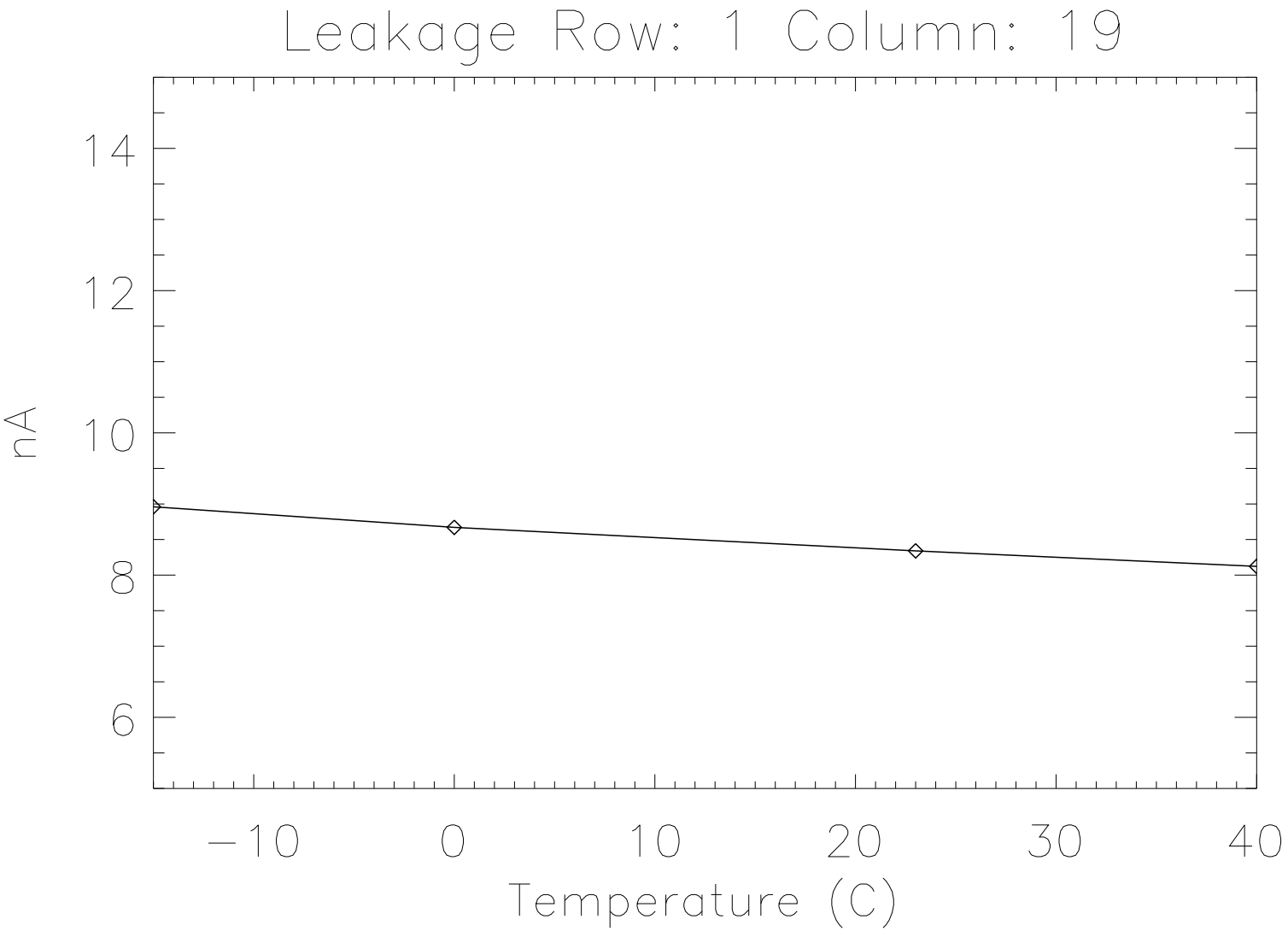
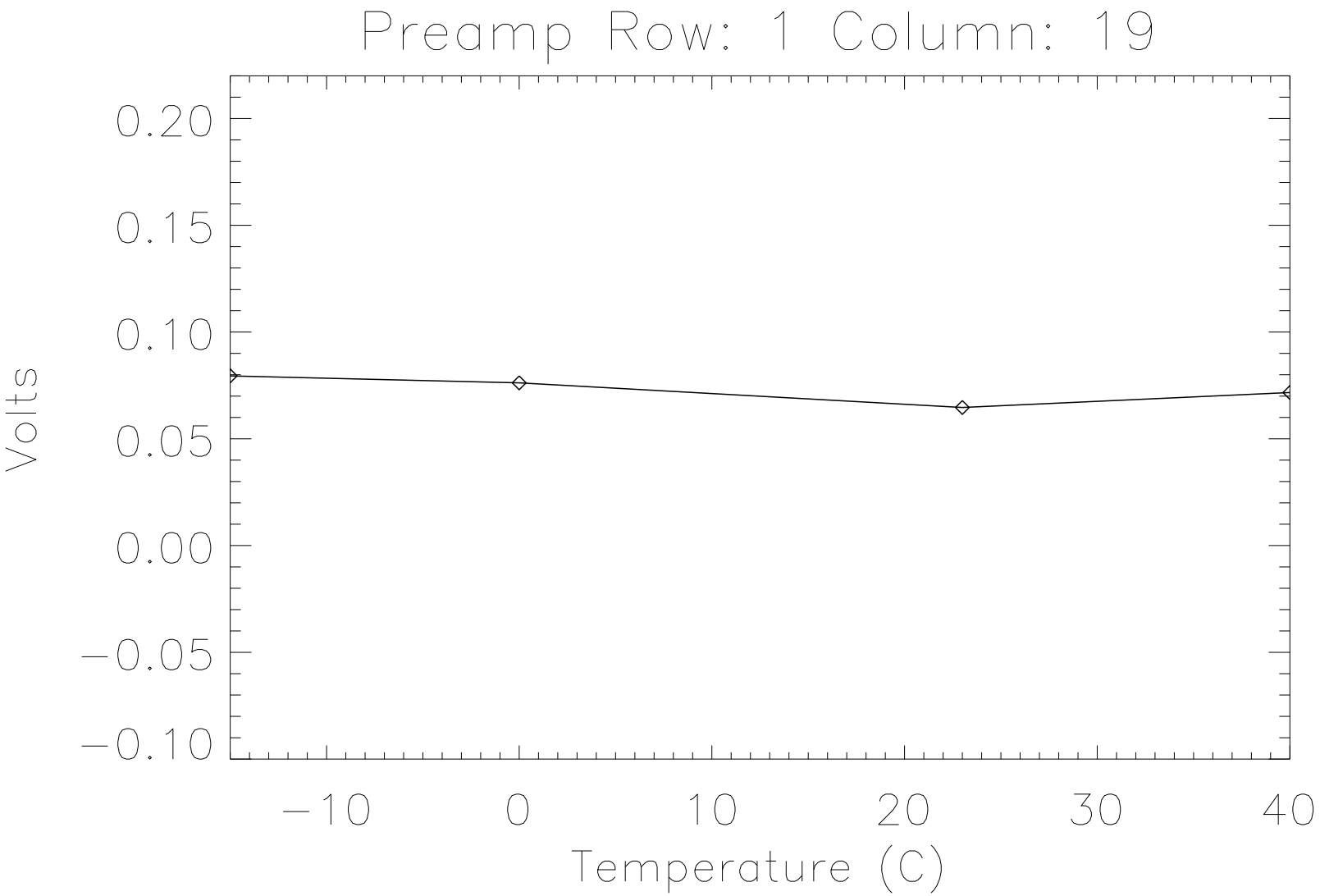
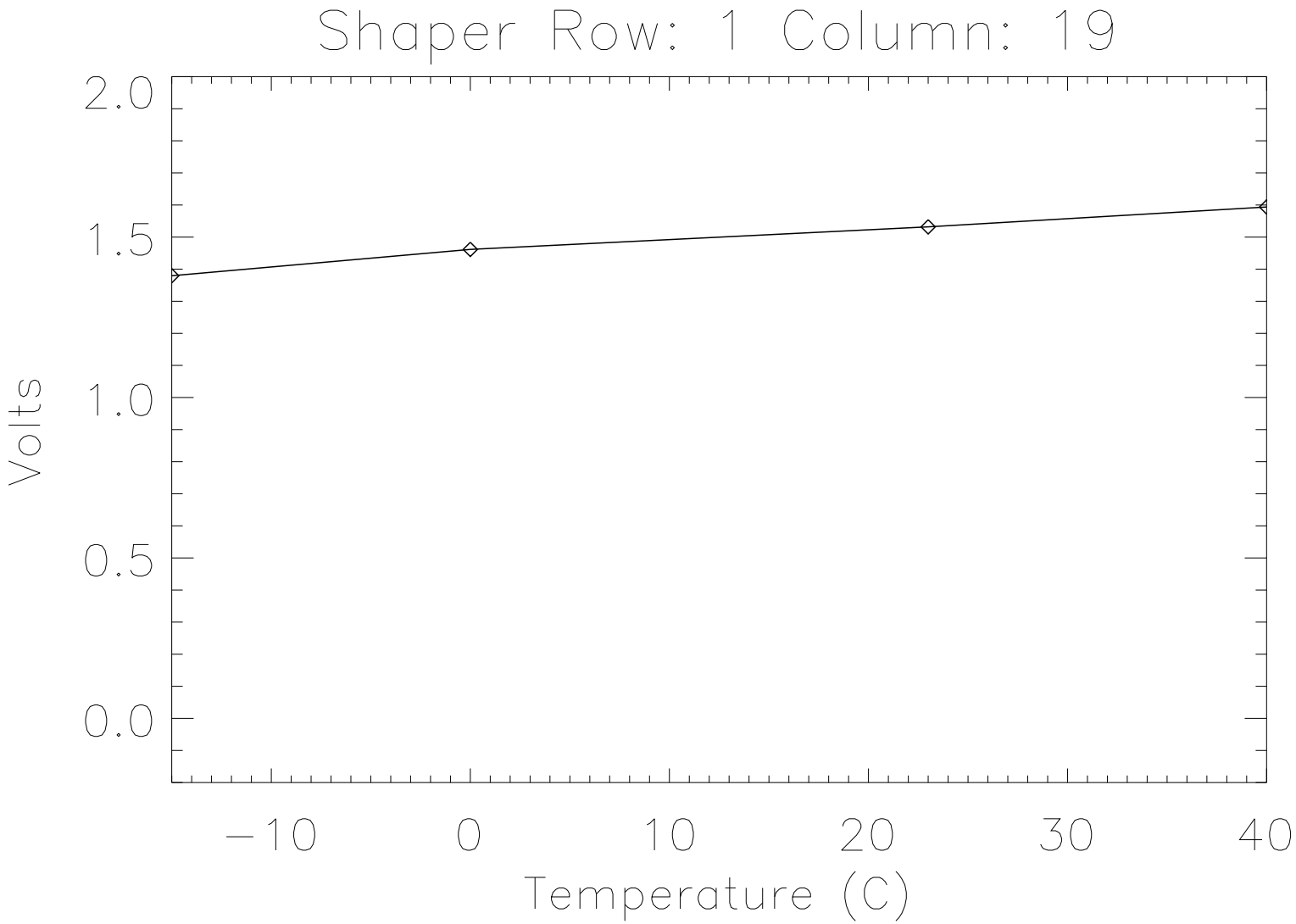
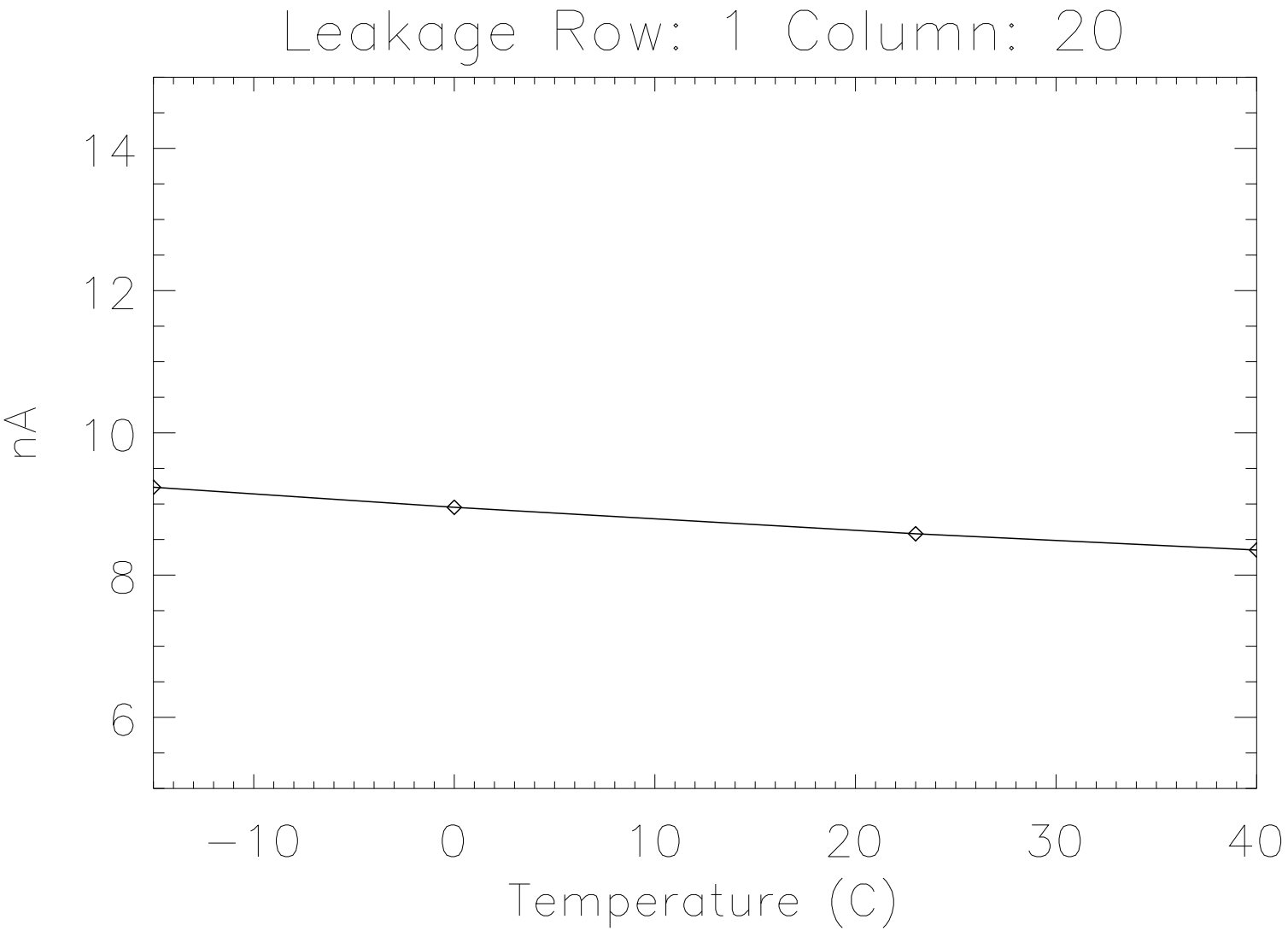
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 1 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 1 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 1 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 1 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 1 Column: 20
nA
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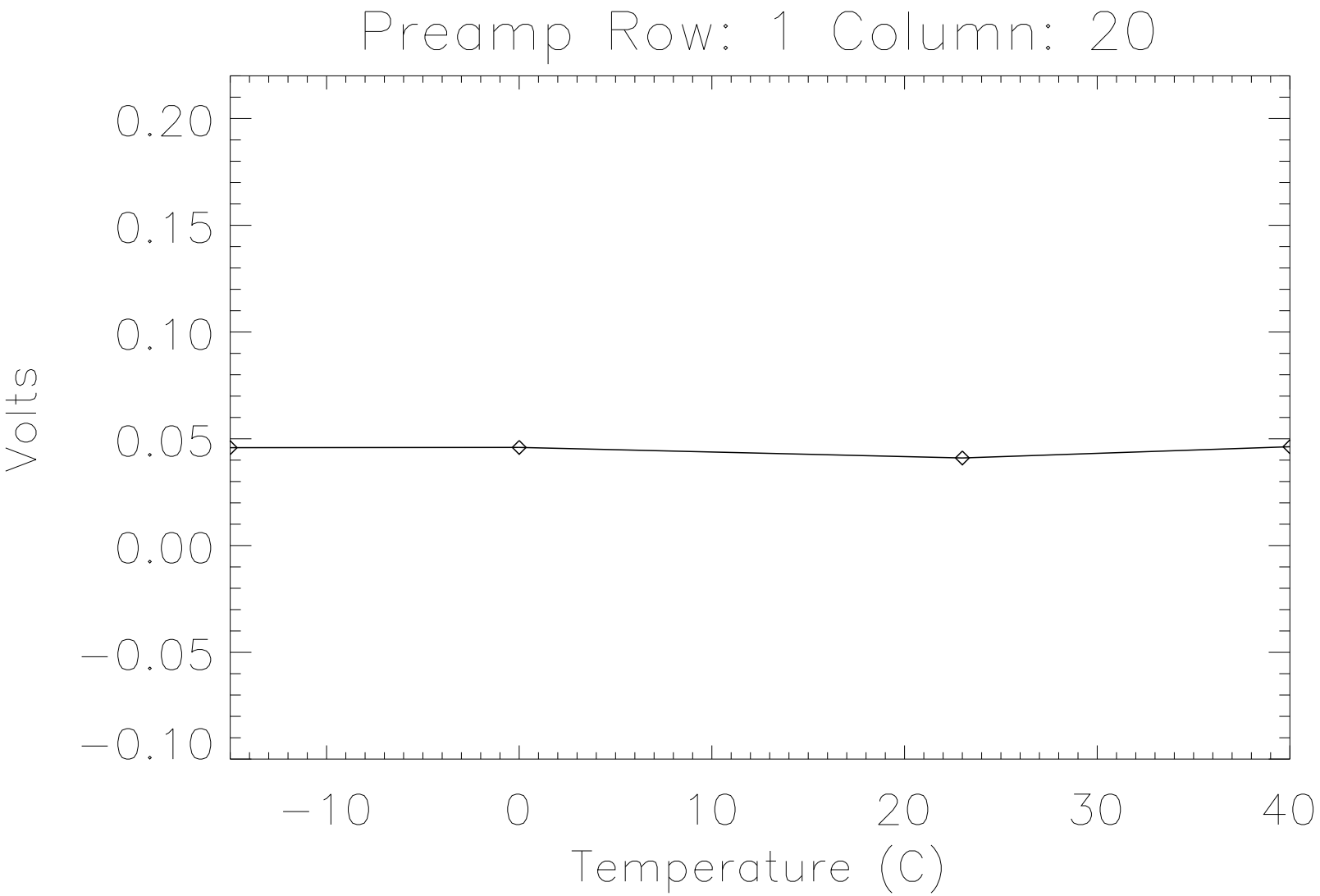
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 1 Column: 20
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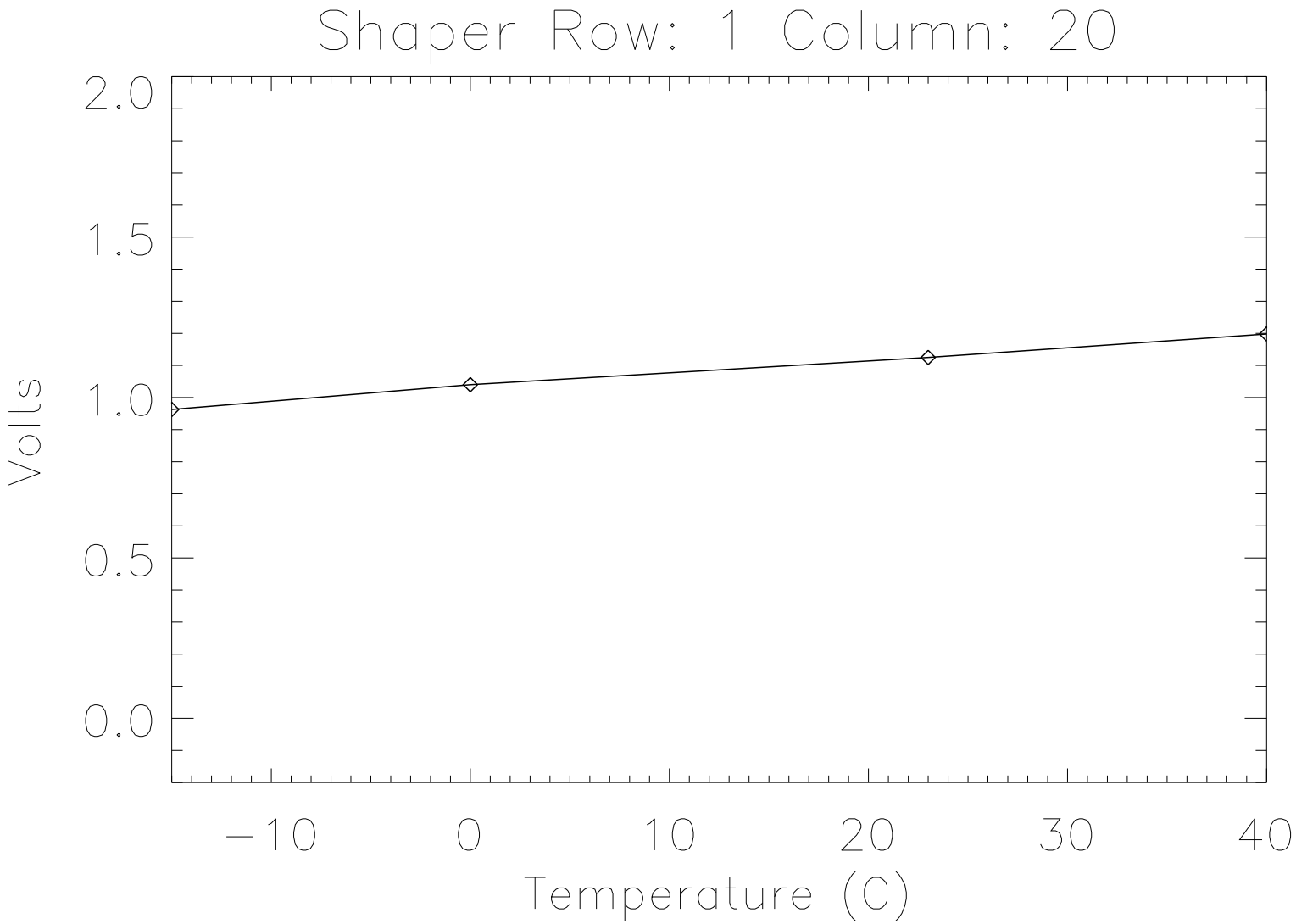
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 1 Column: 20
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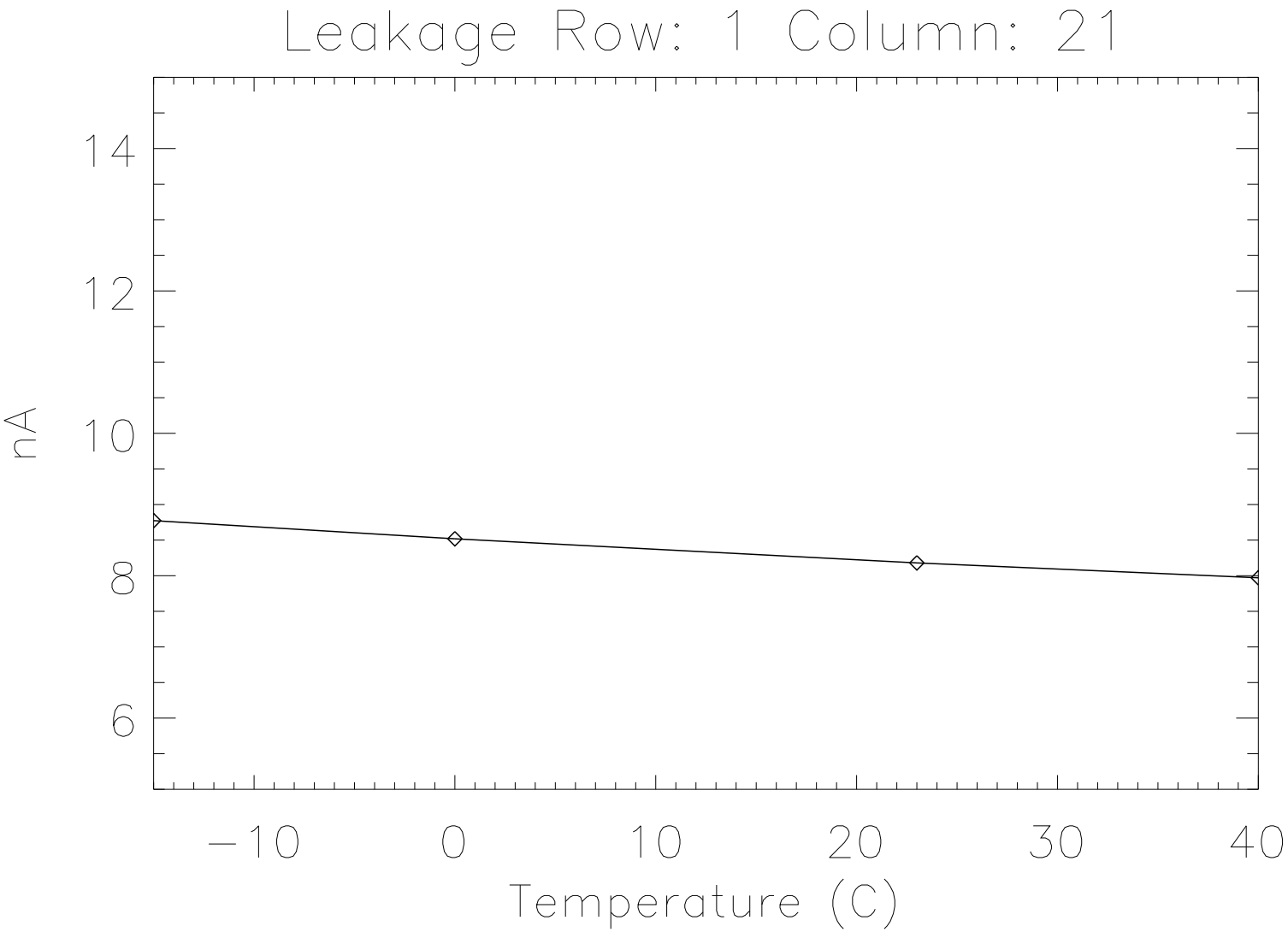
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 1 Column: 21
nA
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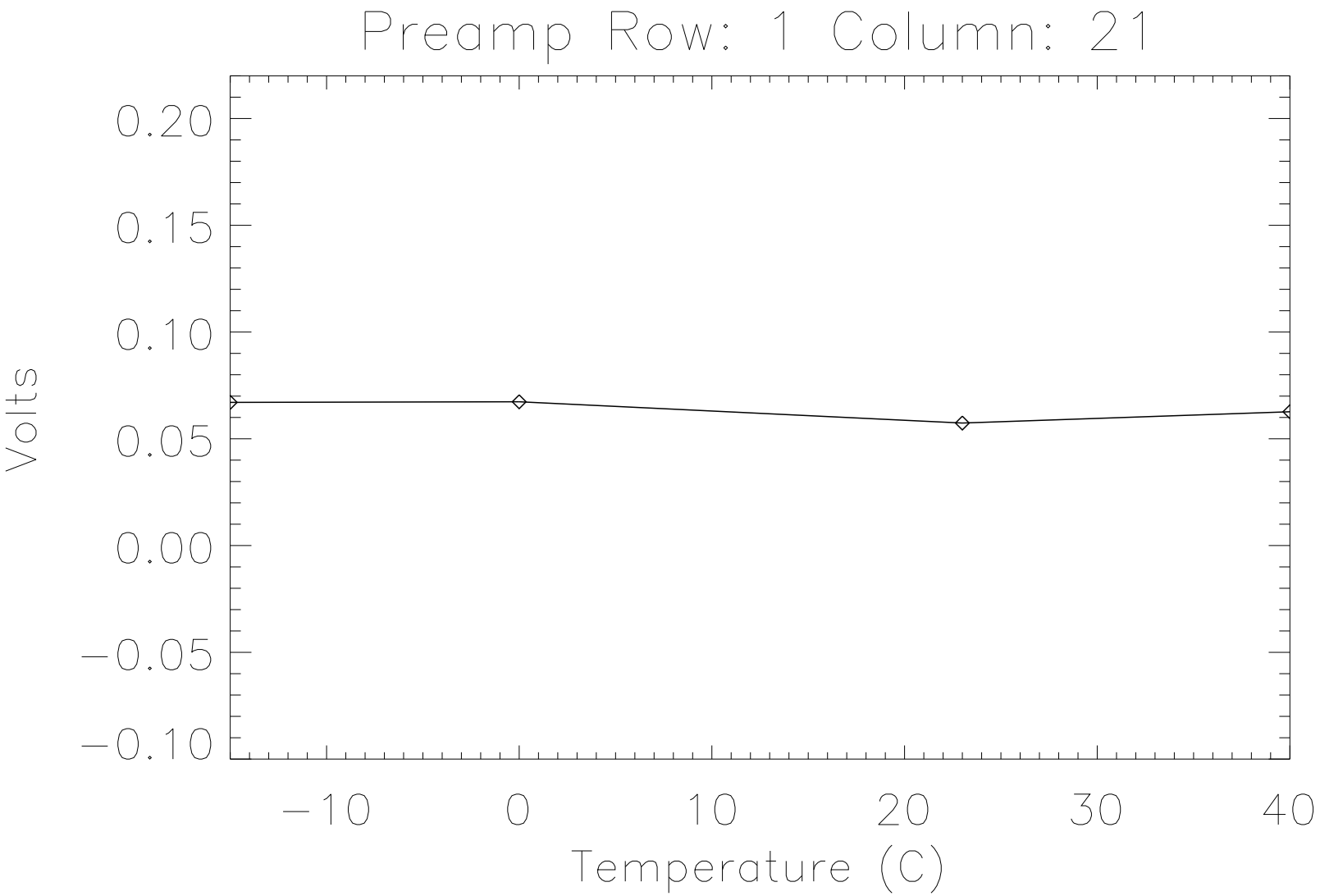
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 1 Column: 21
0.20
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0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
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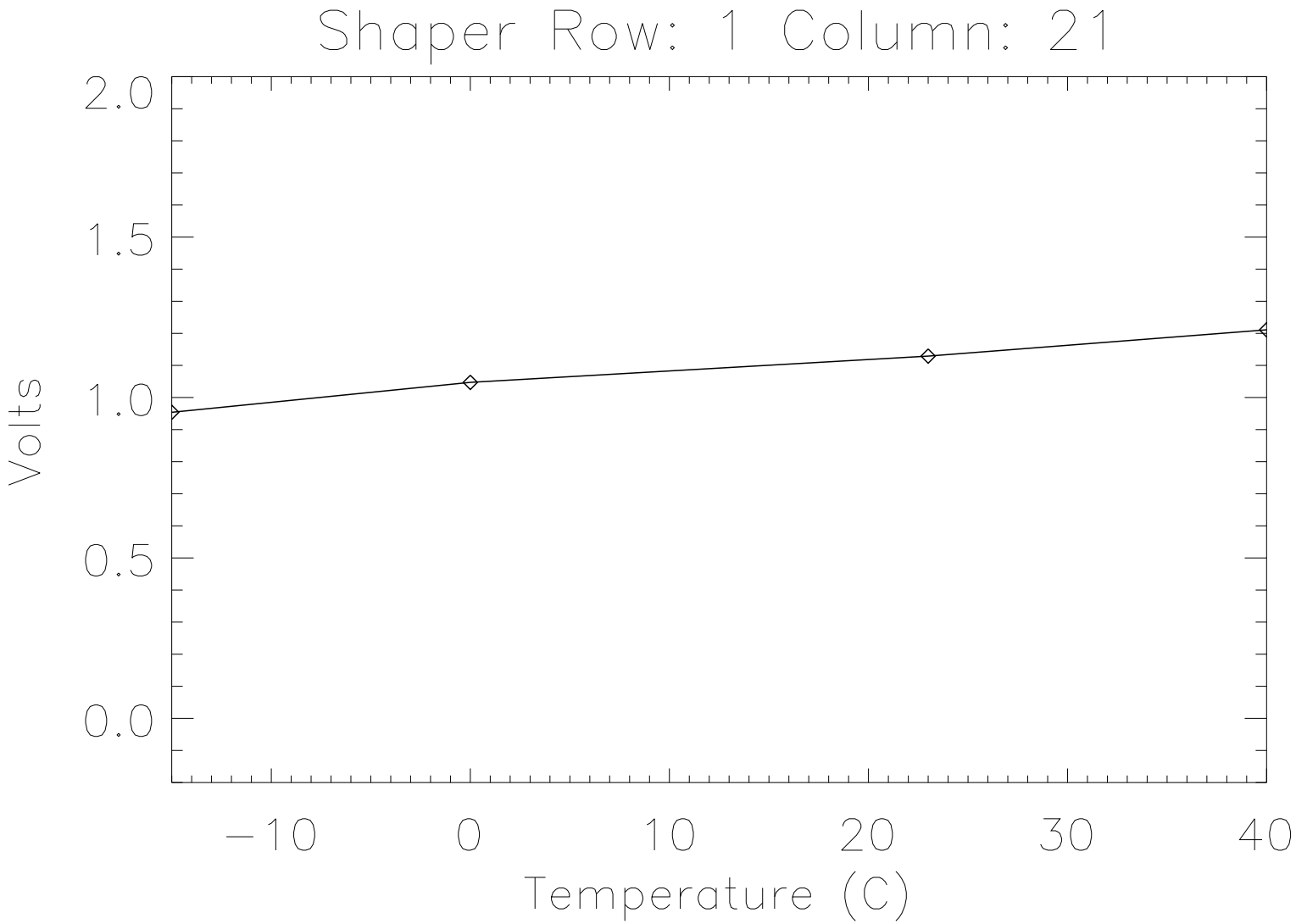
20
30
40
Temperature (C)


Shaper Row: 1 Column: 21
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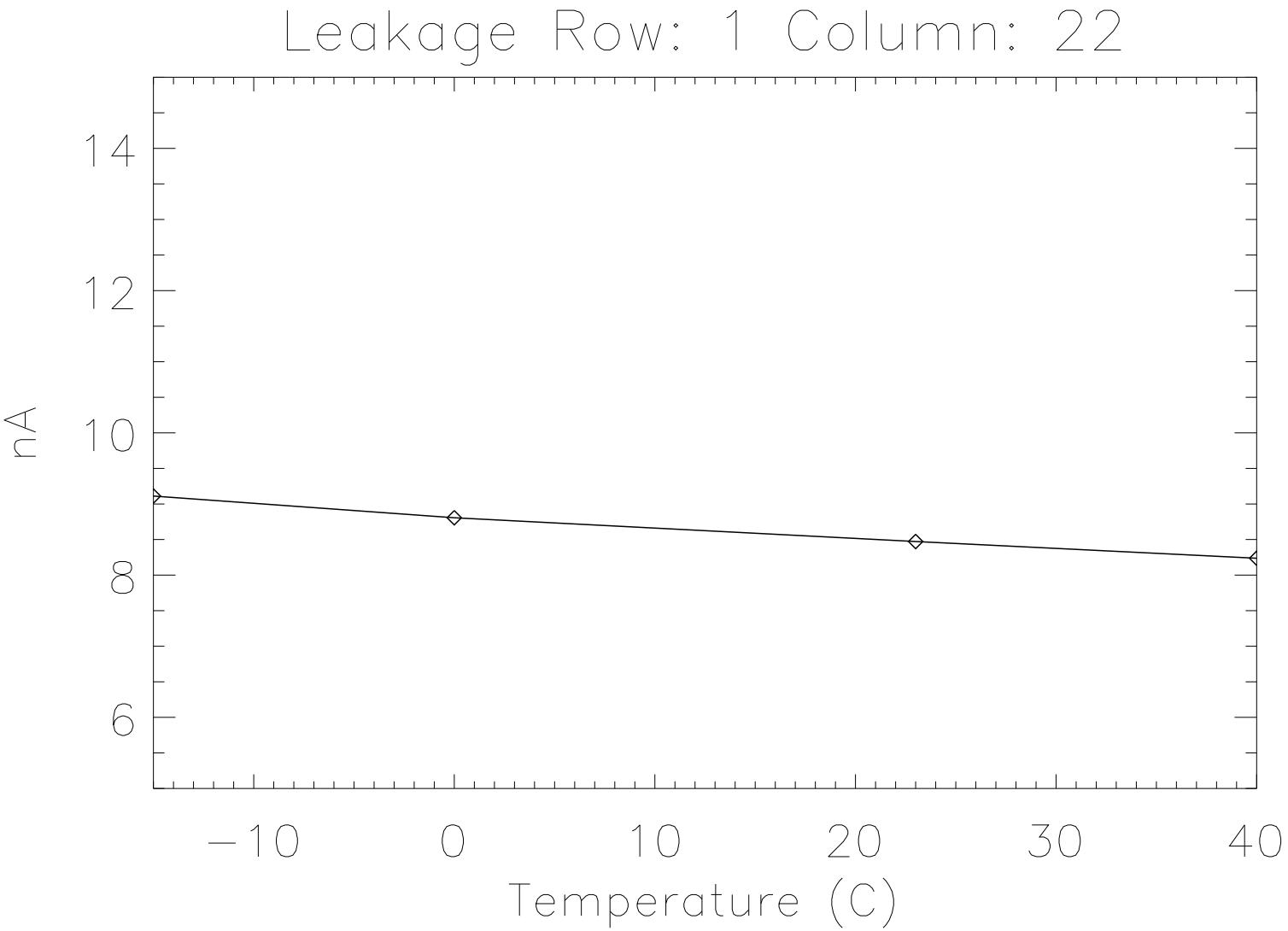
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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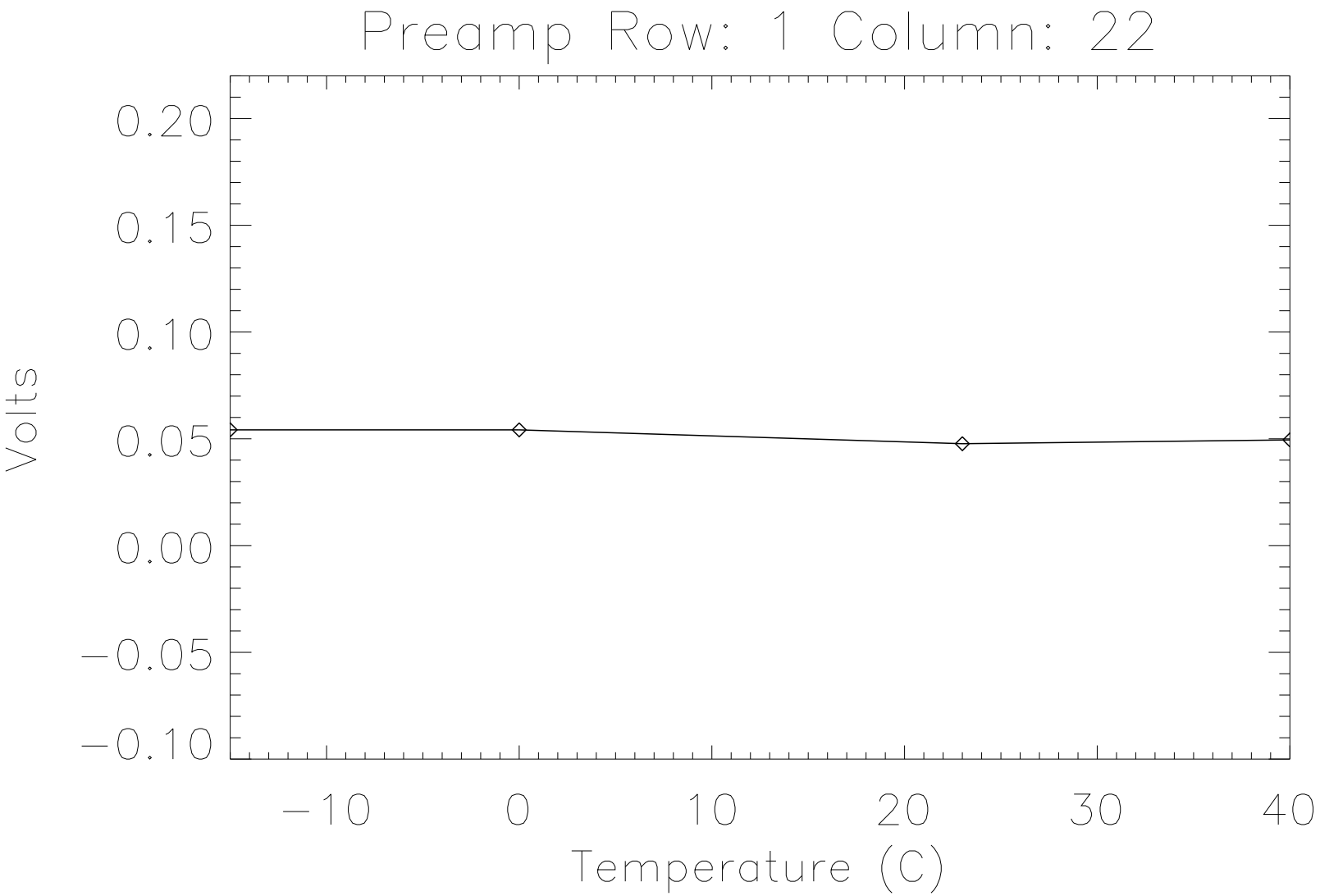
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 1 Column: 22
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0.10
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0.00
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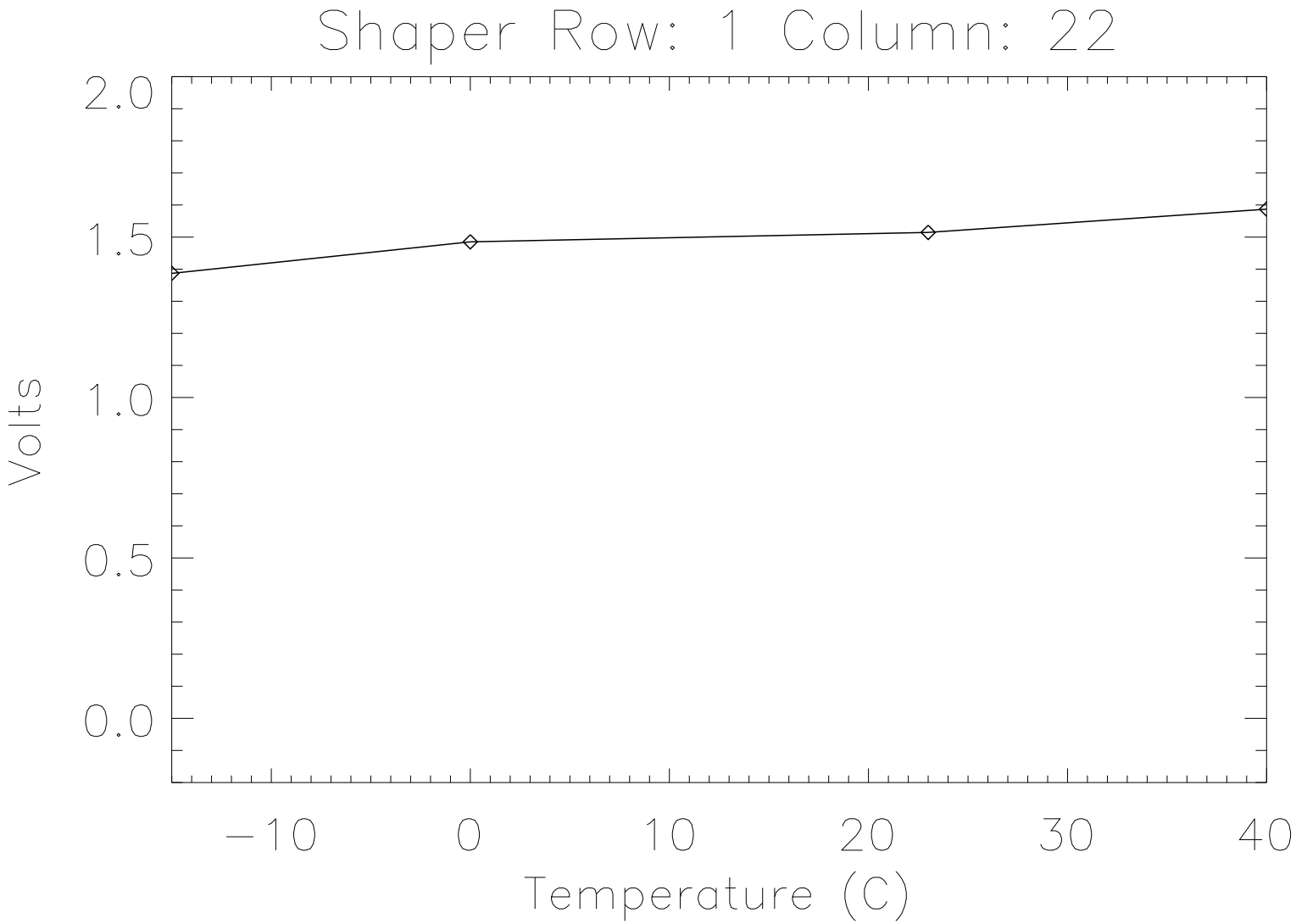
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 1 Column: 22
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1.0
0.5
0.0
Volts
−10
0
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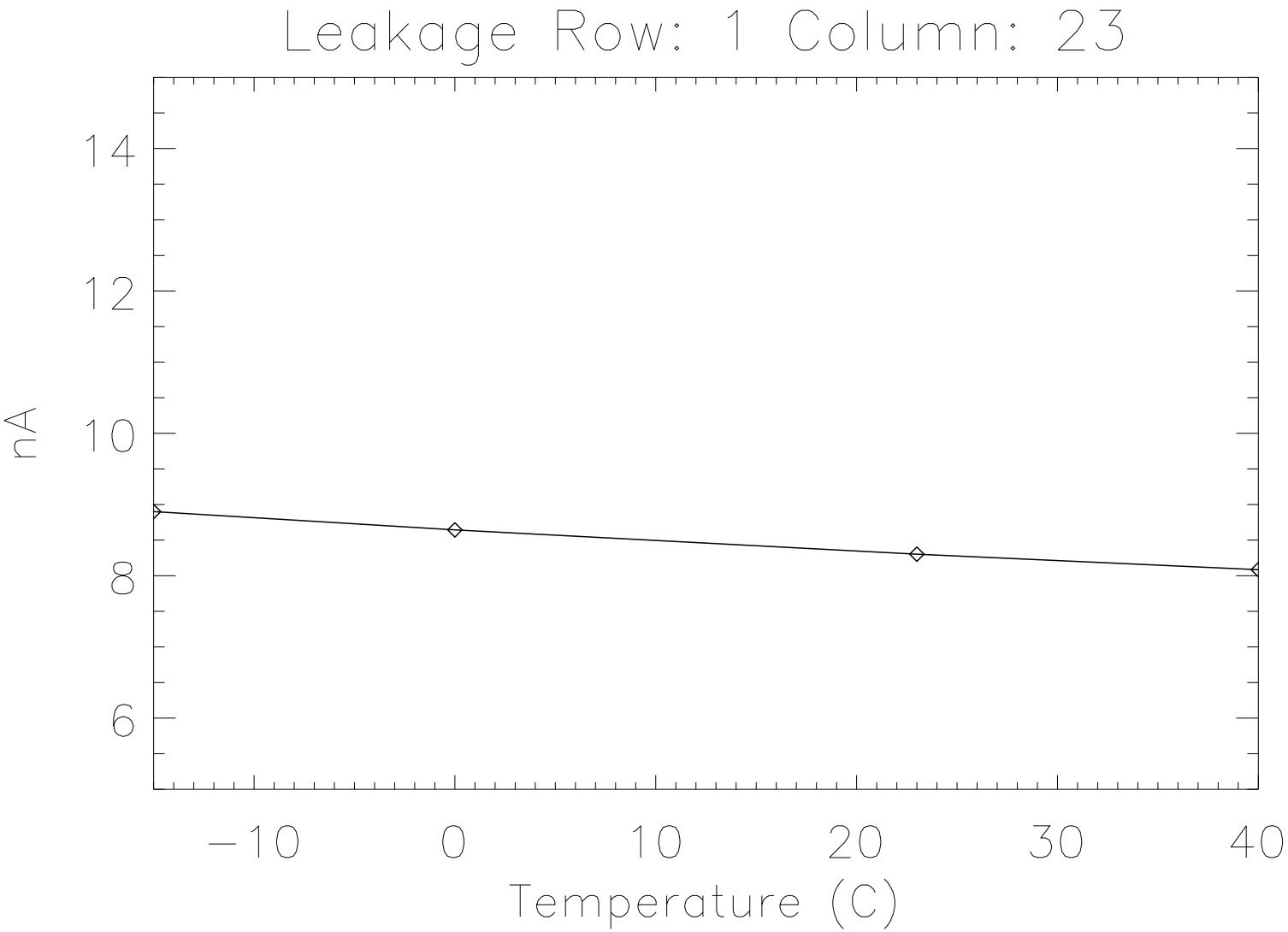
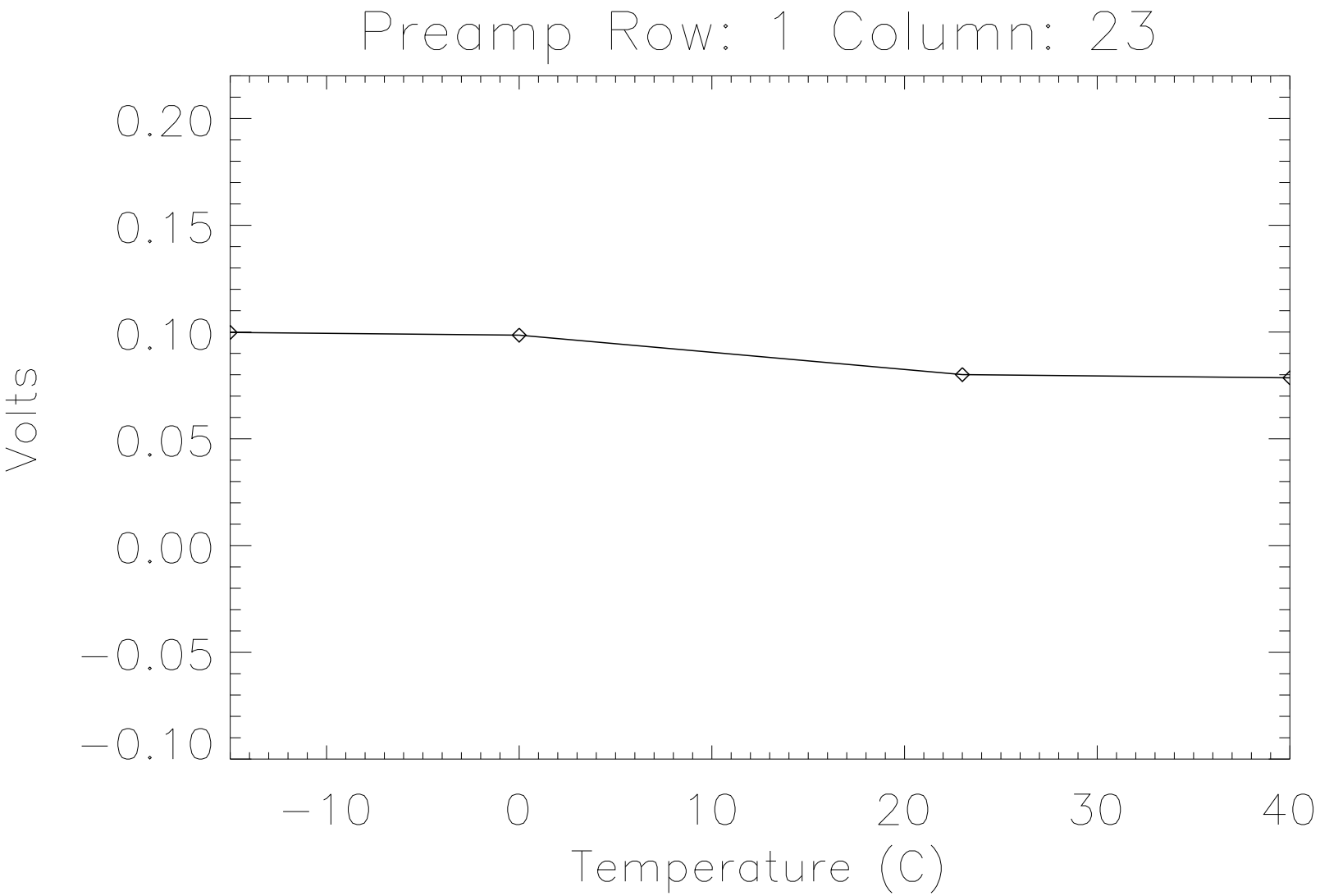
20
30
40
Temperature (C)


Leakage Row: 1 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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0.00
−0.05
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Volts
−10
0
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30
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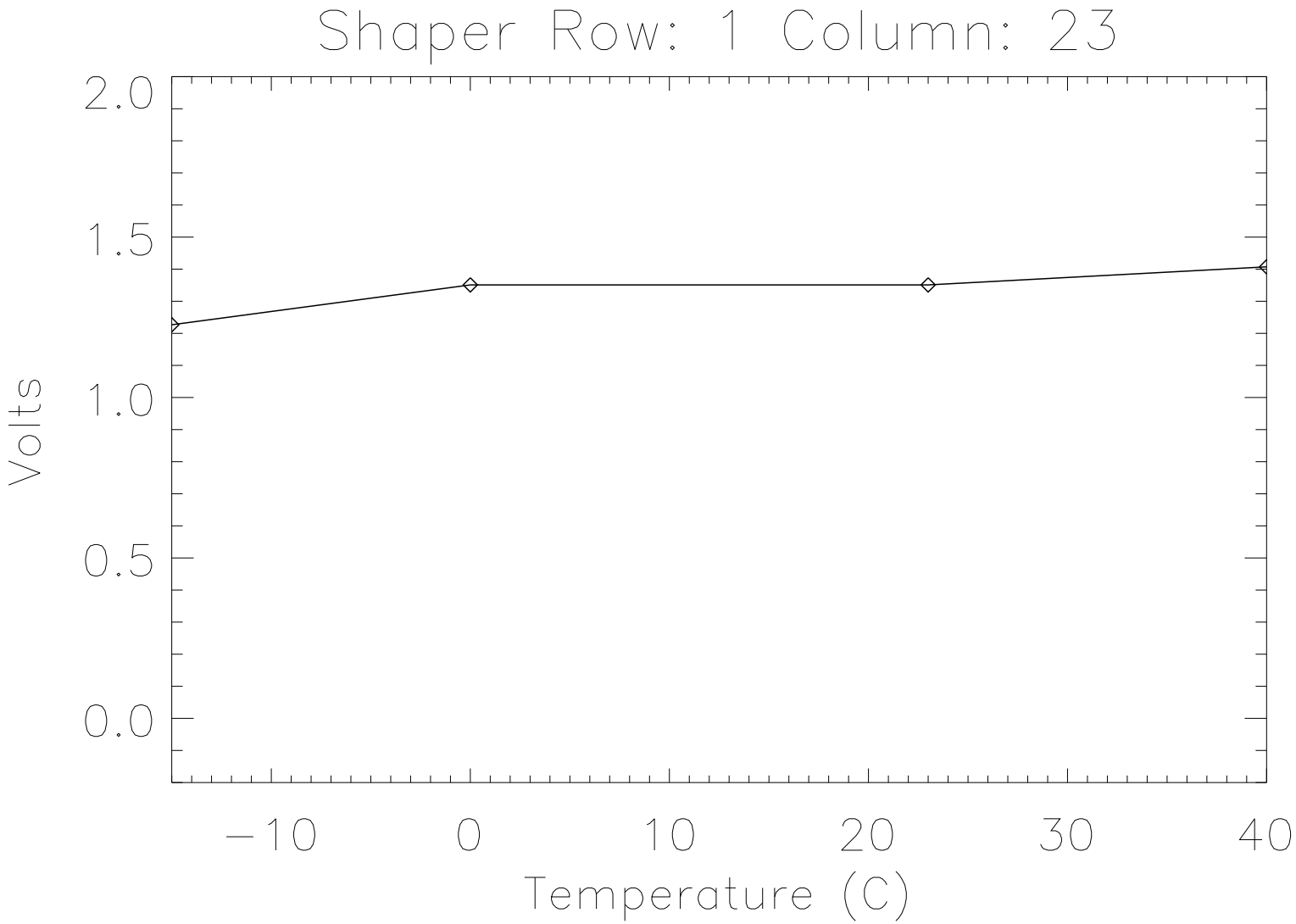
Temperature (C)


Shaper Row: 1 Column: 23
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1.0
0.5
0.0
Volts
−10
0
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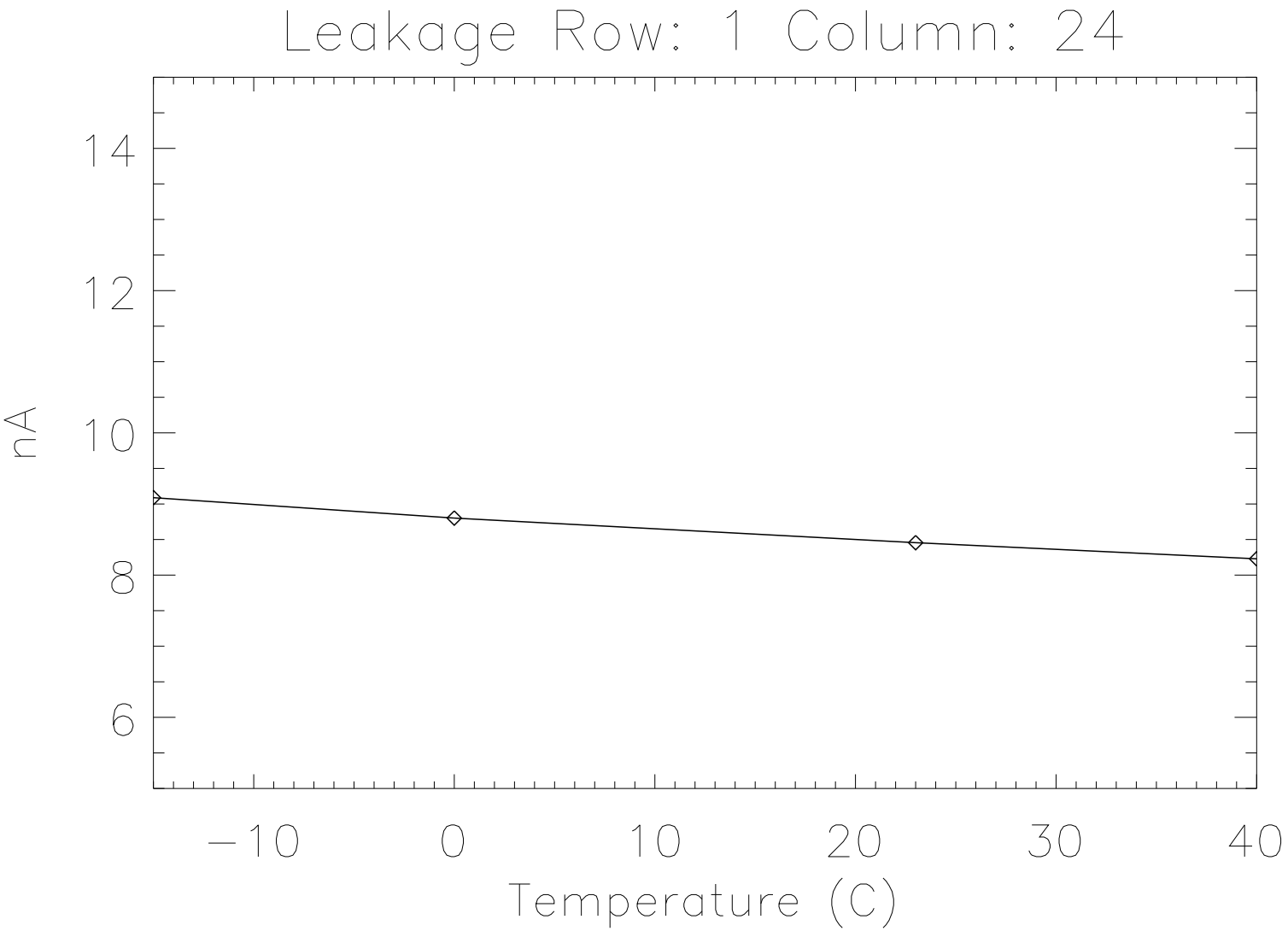
30
40
Temperature (C)


Leakage Row: 1 Column: 24
nA
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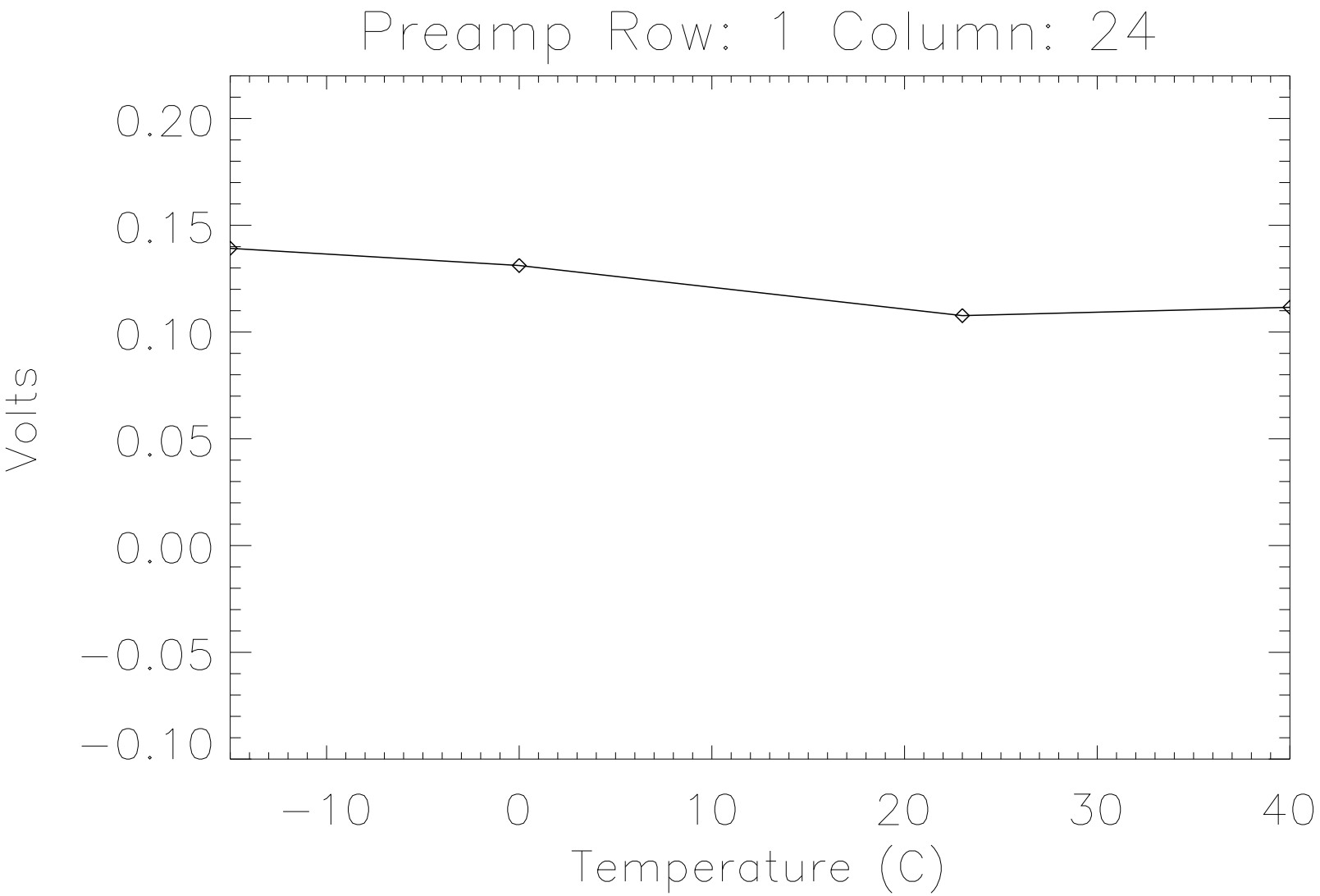
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 1 Column: 24
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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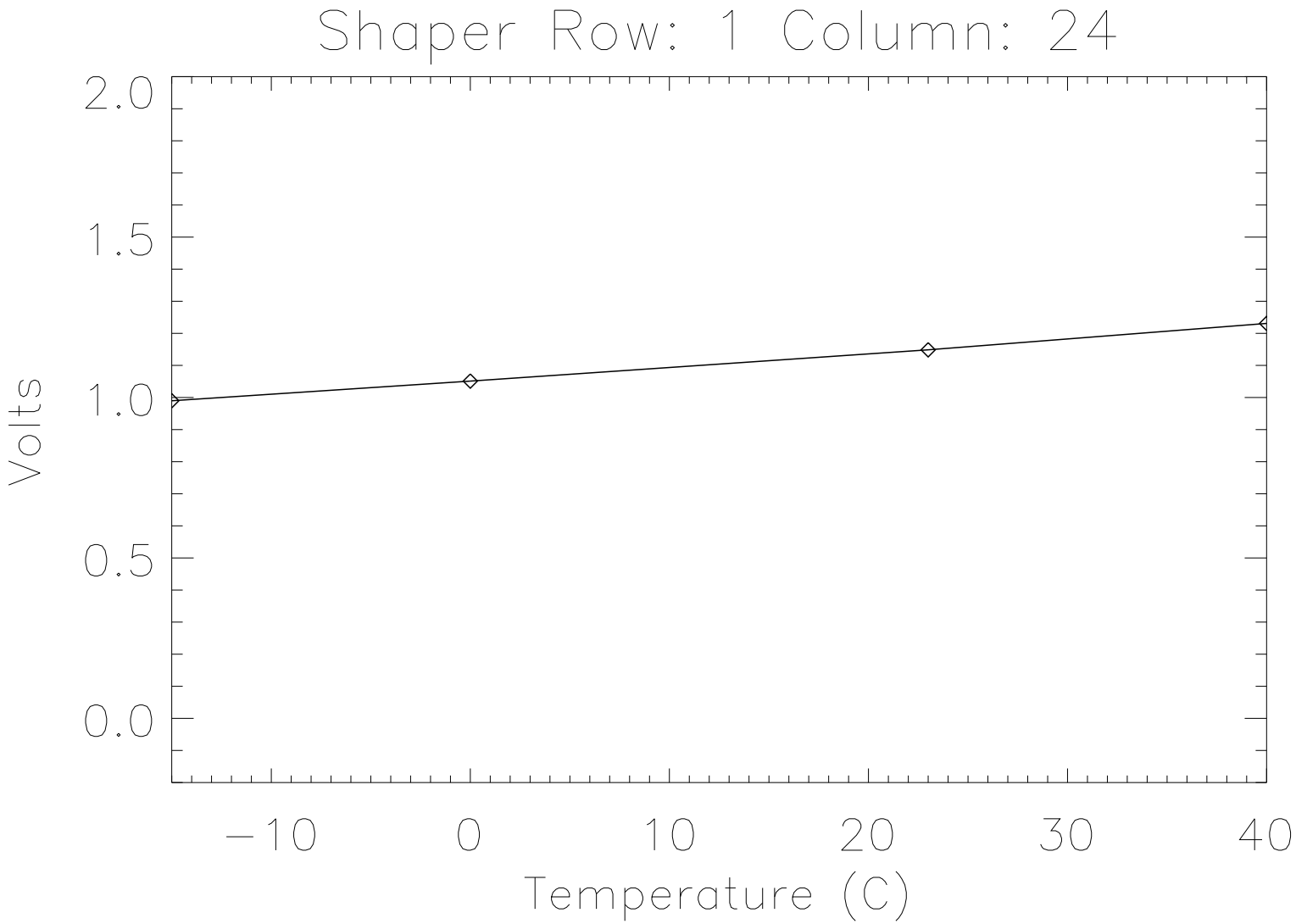
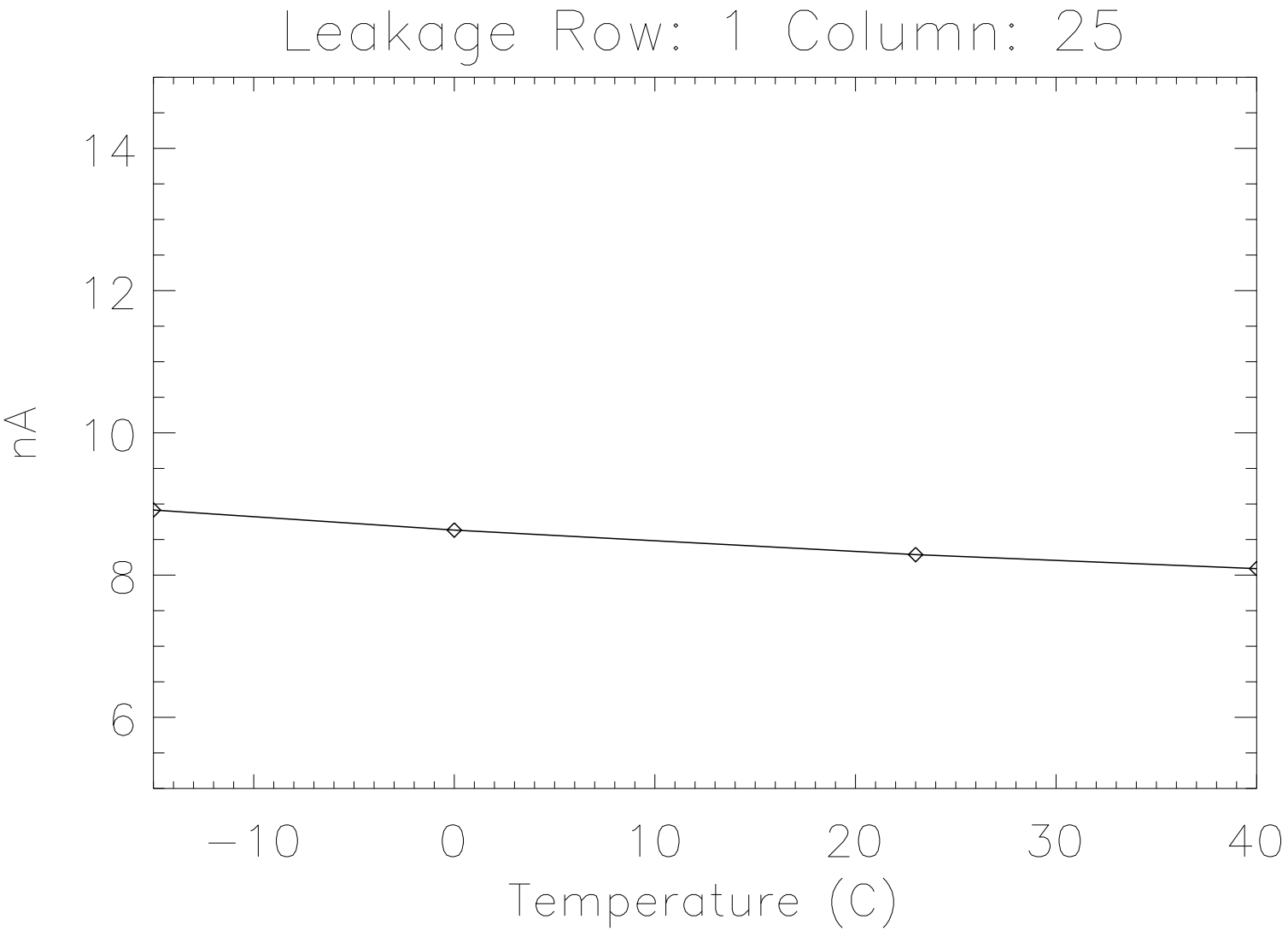
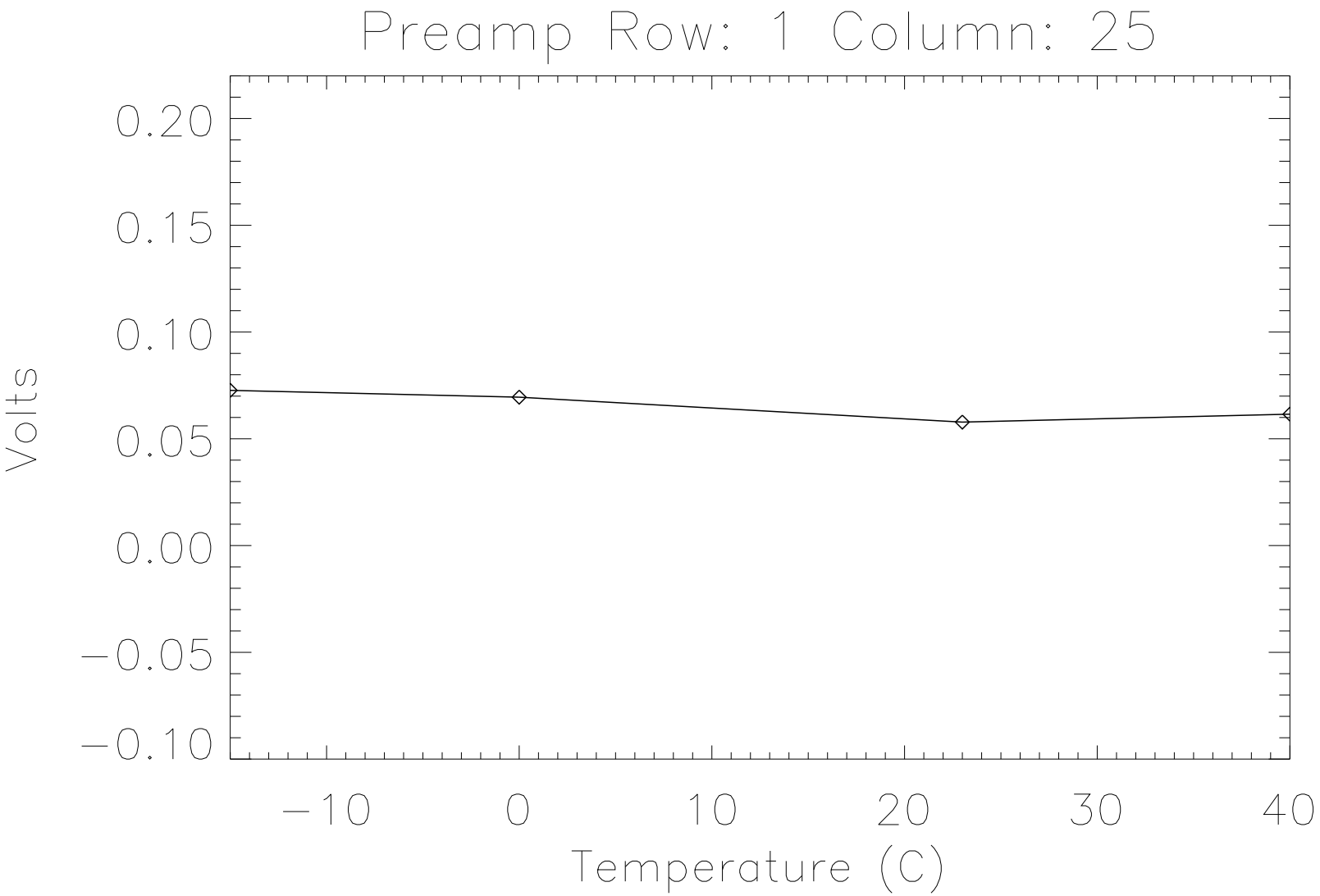
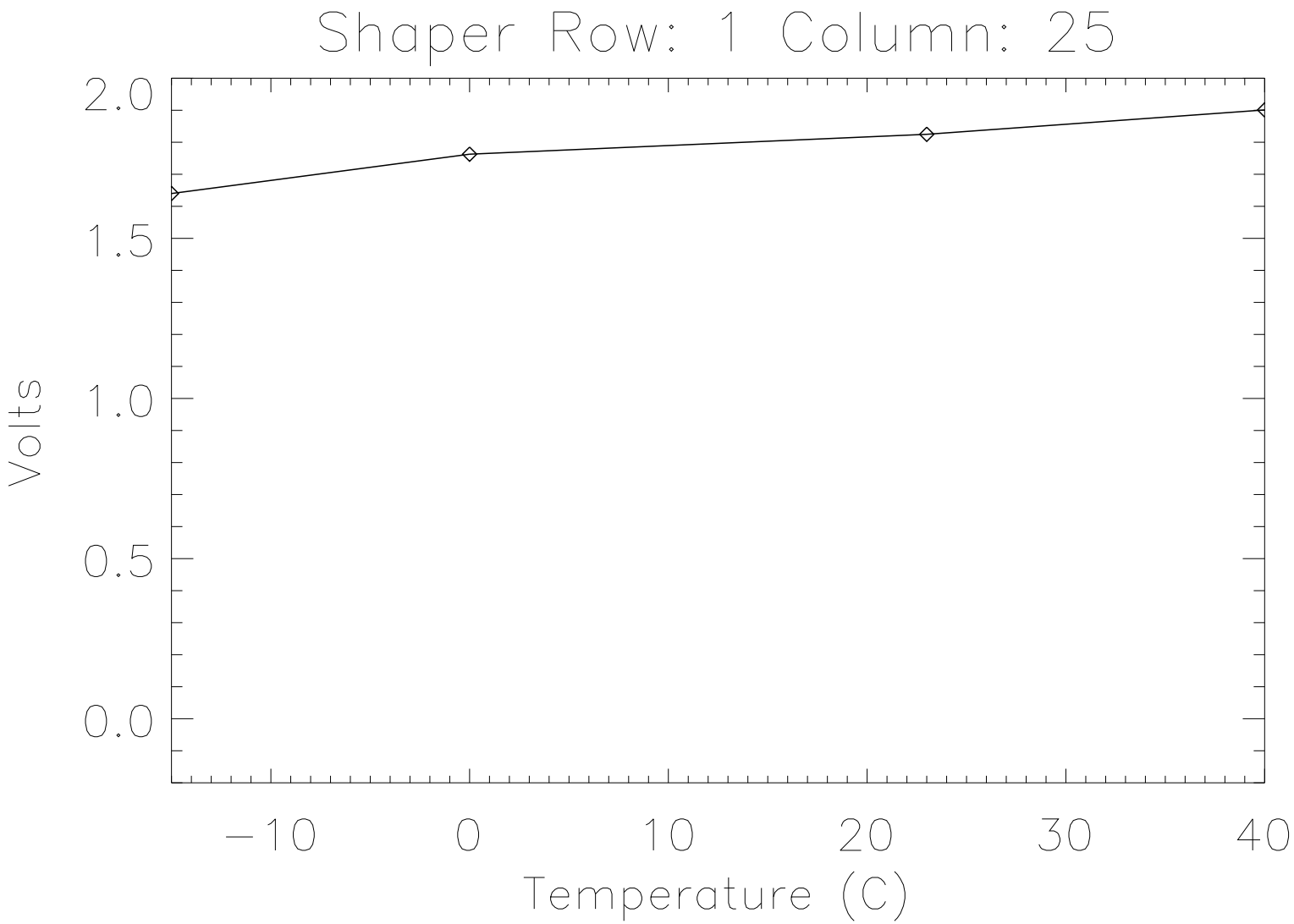
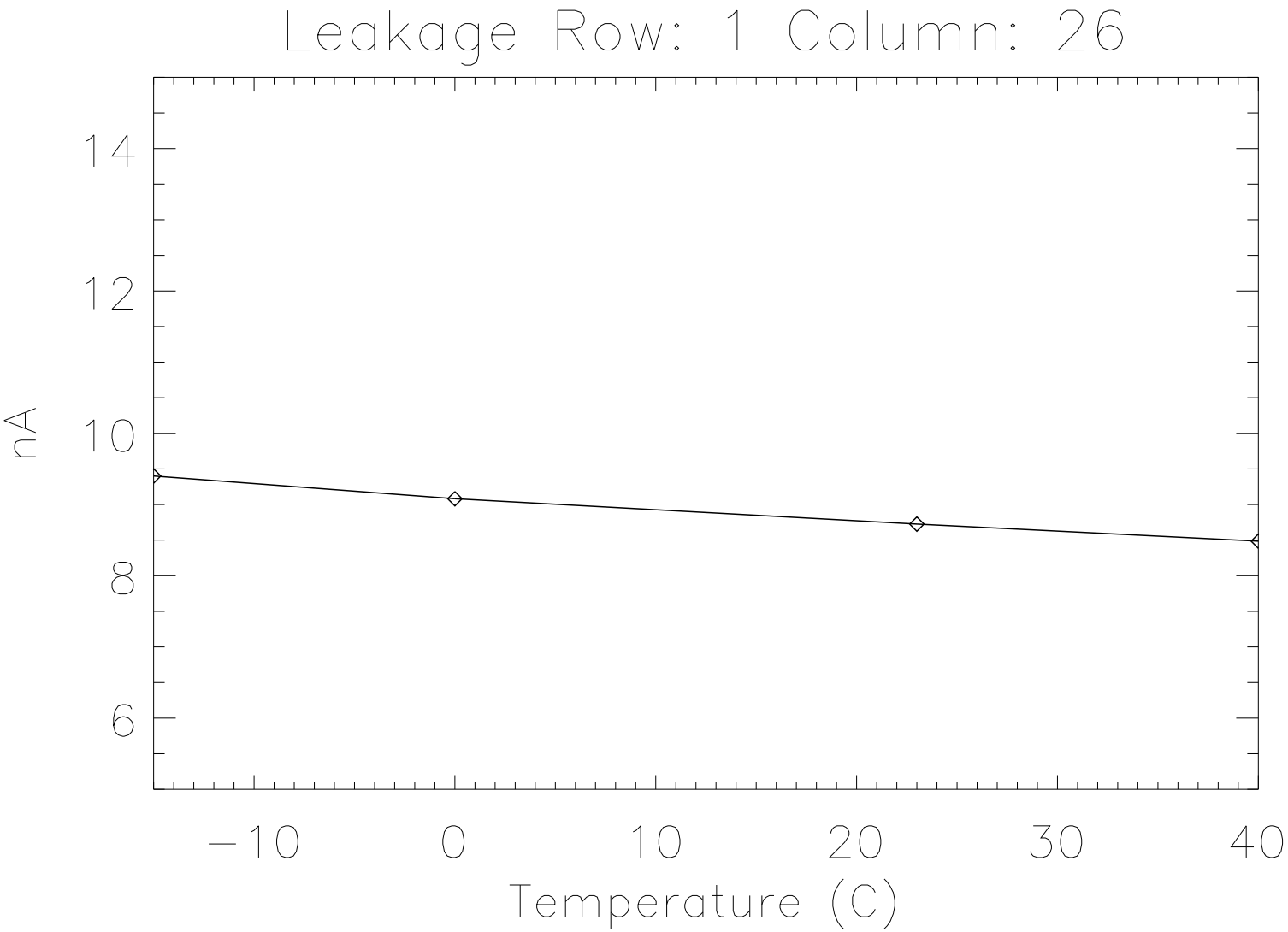
20
30
40
Temperature (C)


Shaper Row: 1 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 1 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 1 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 1 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 1 Column: 26
nA
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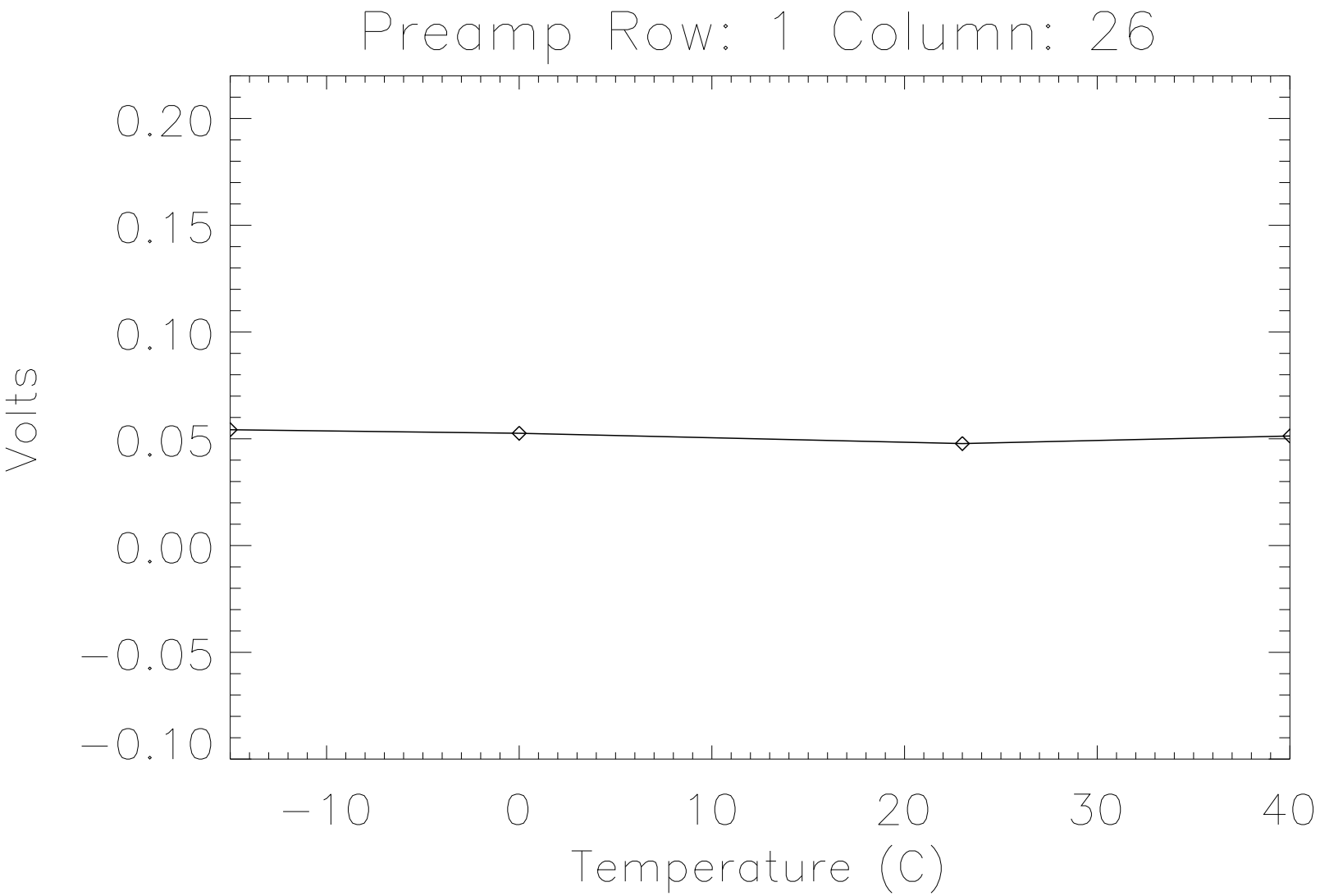
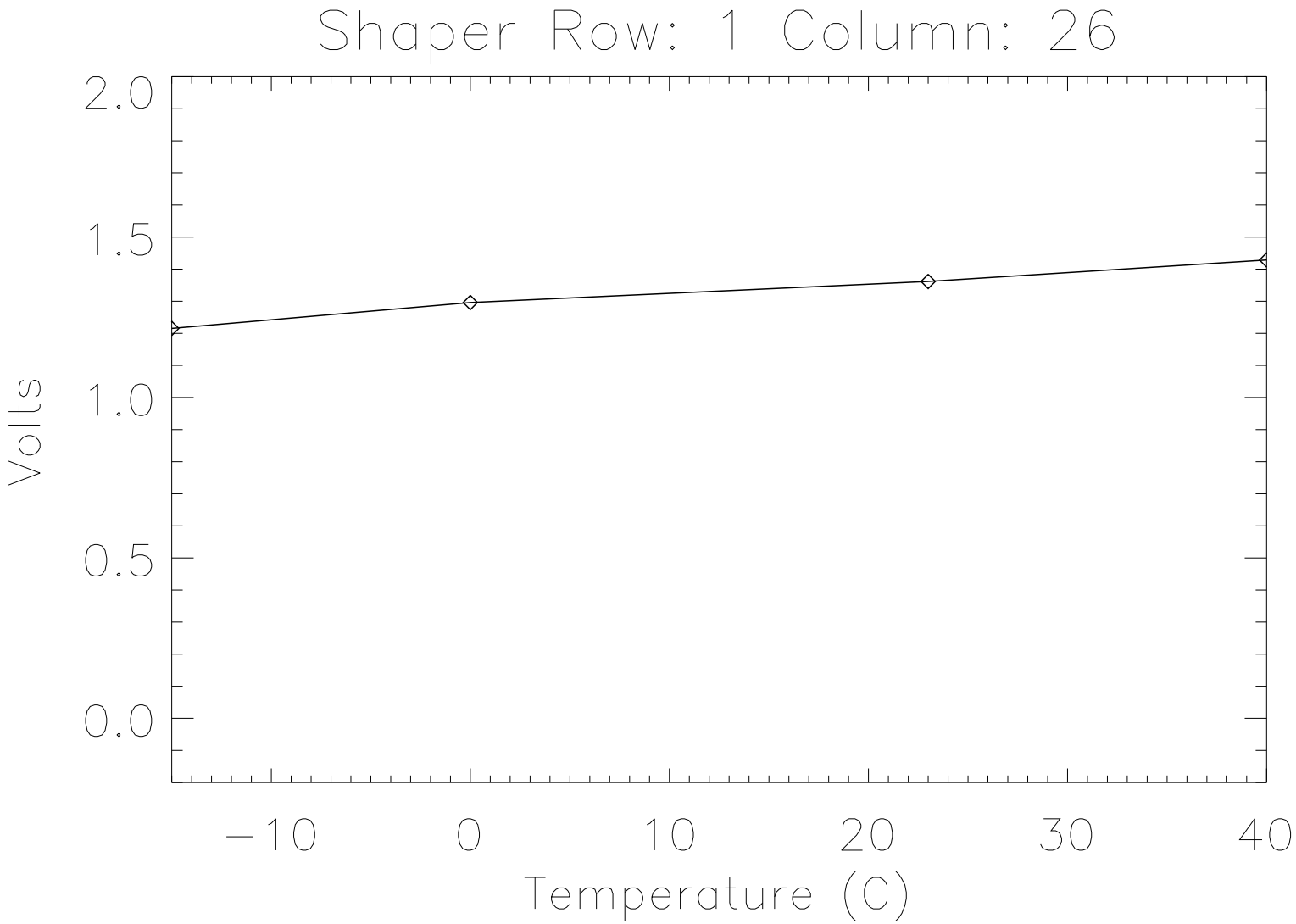
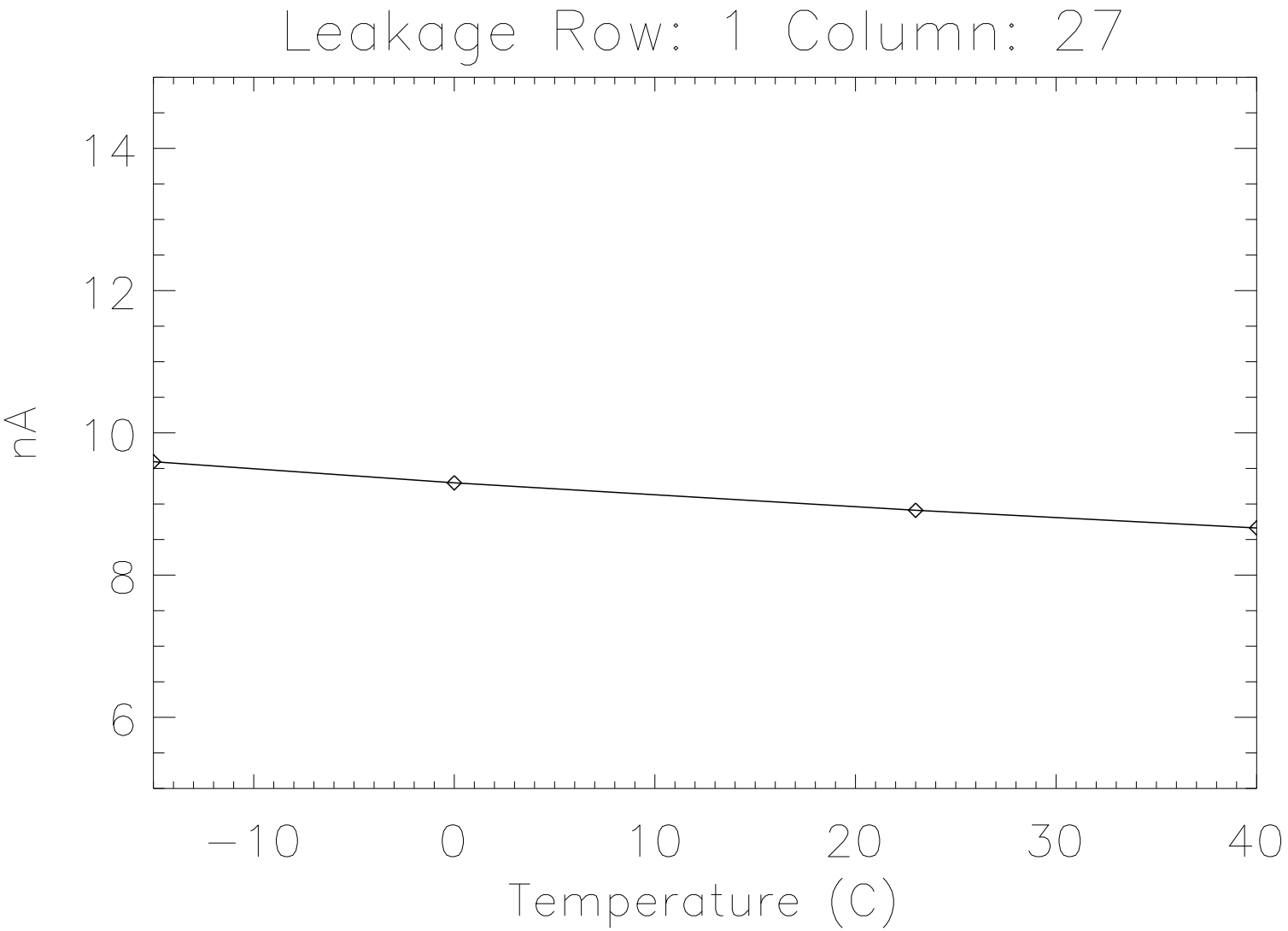
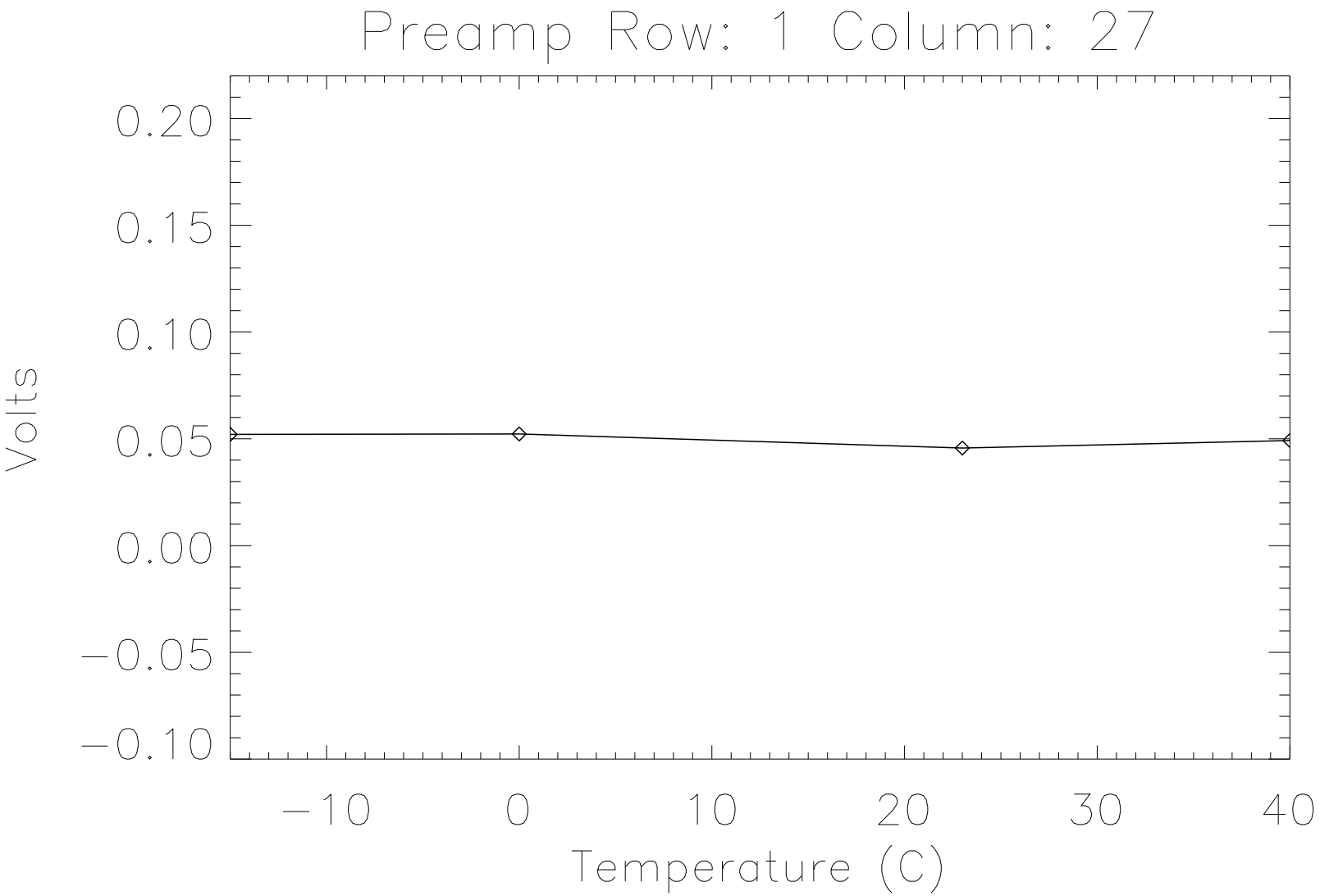
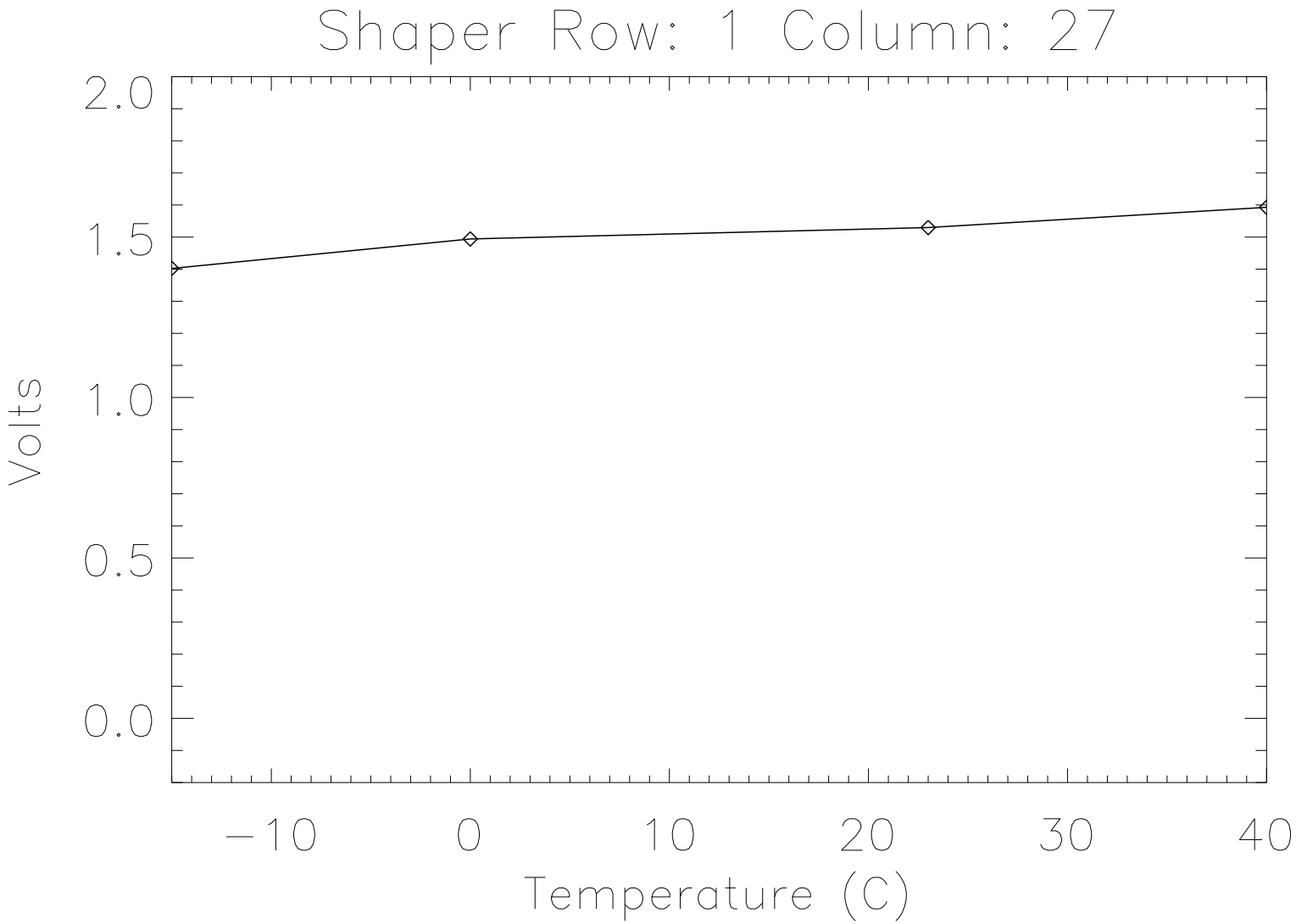
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

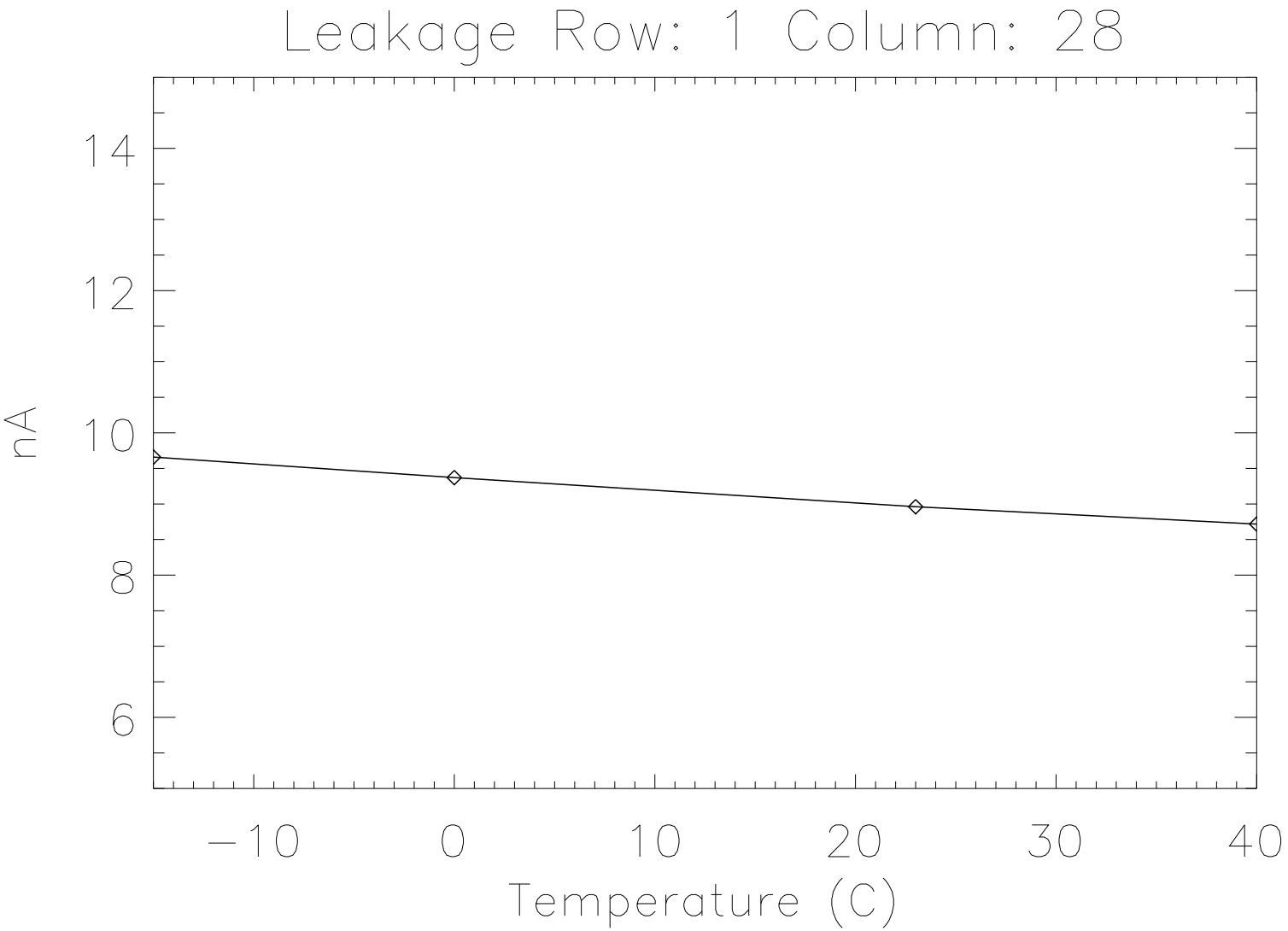

Preamp Row: 1 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

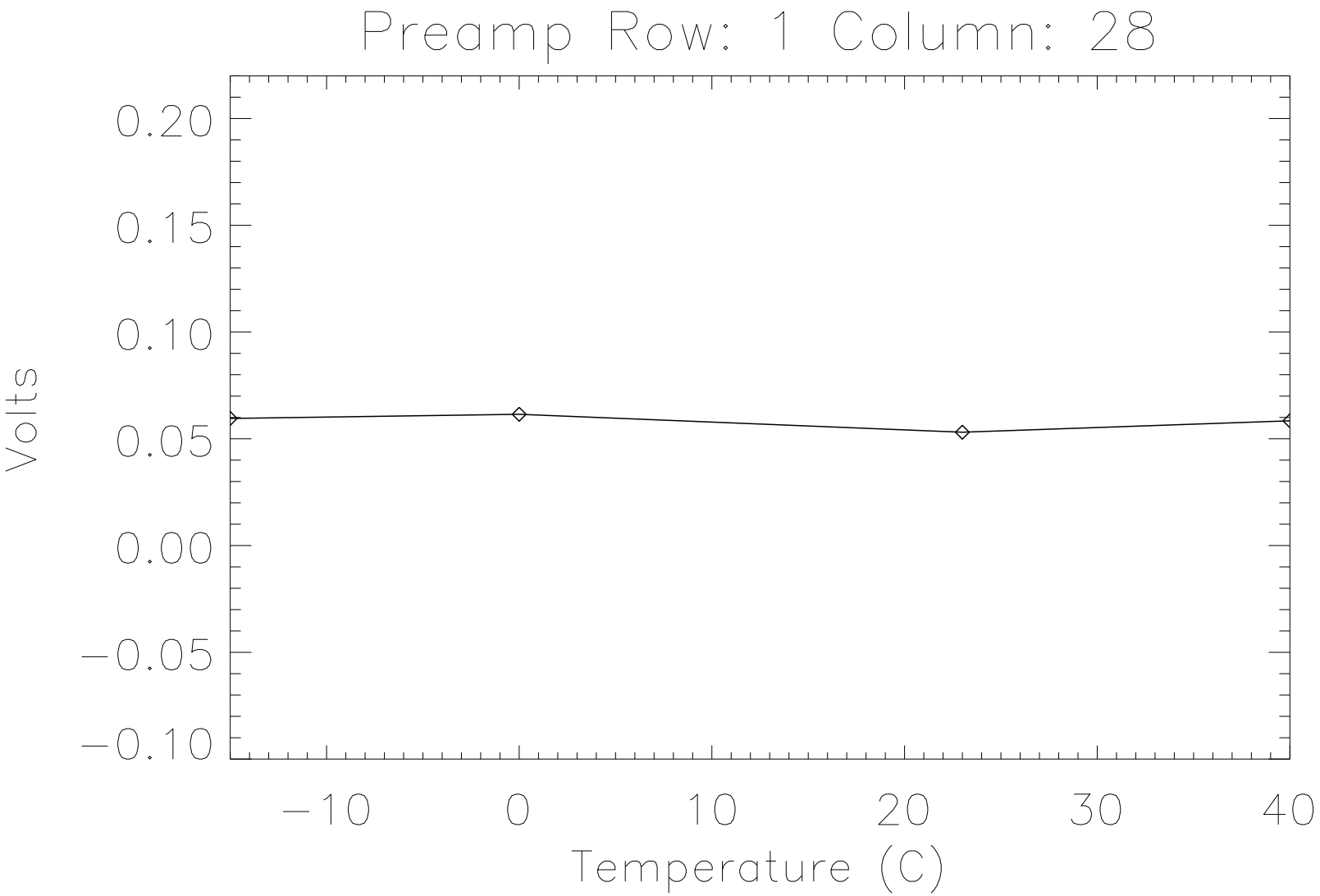

Shaper Row: 1 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

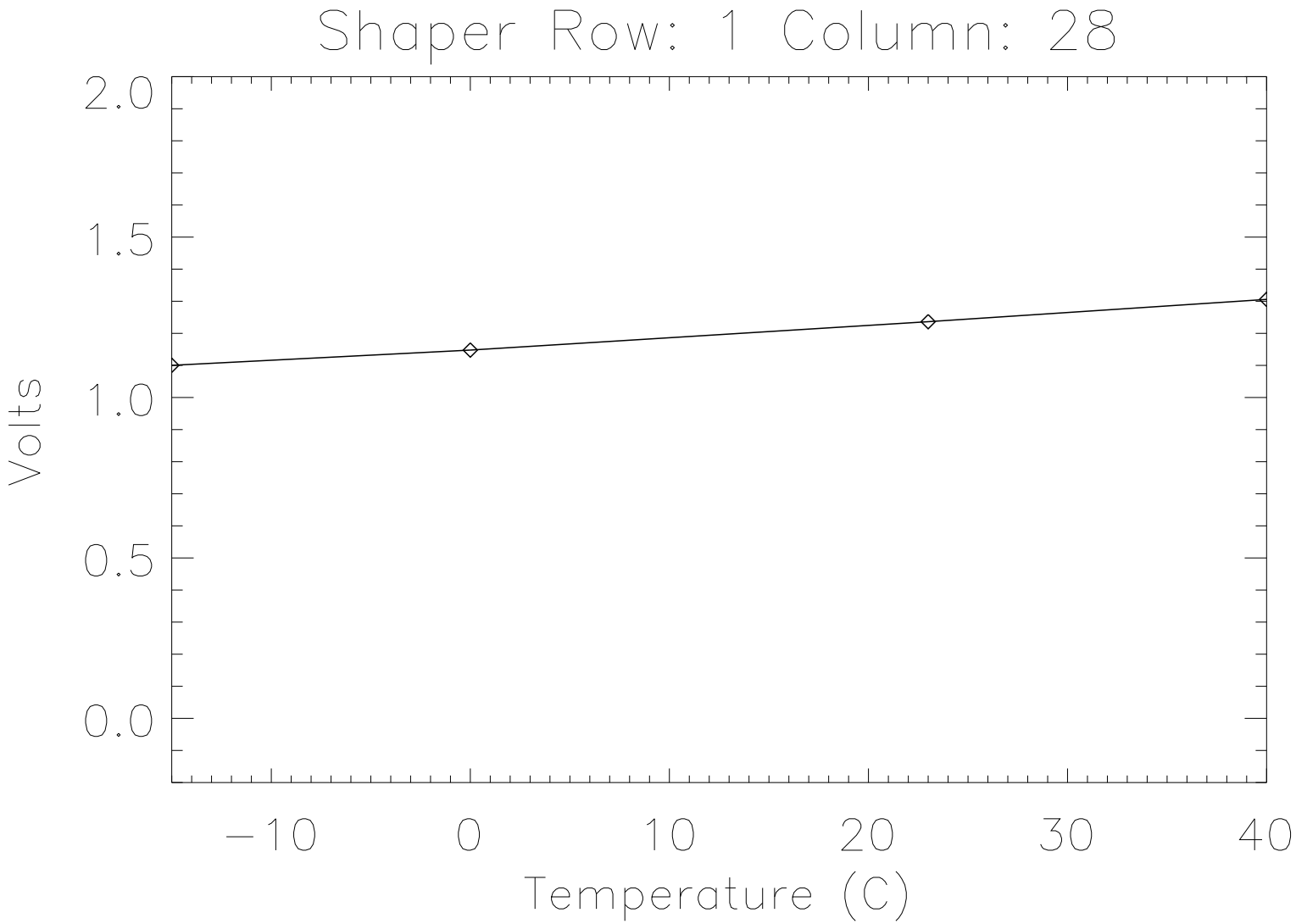

Leakage Row: 1 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

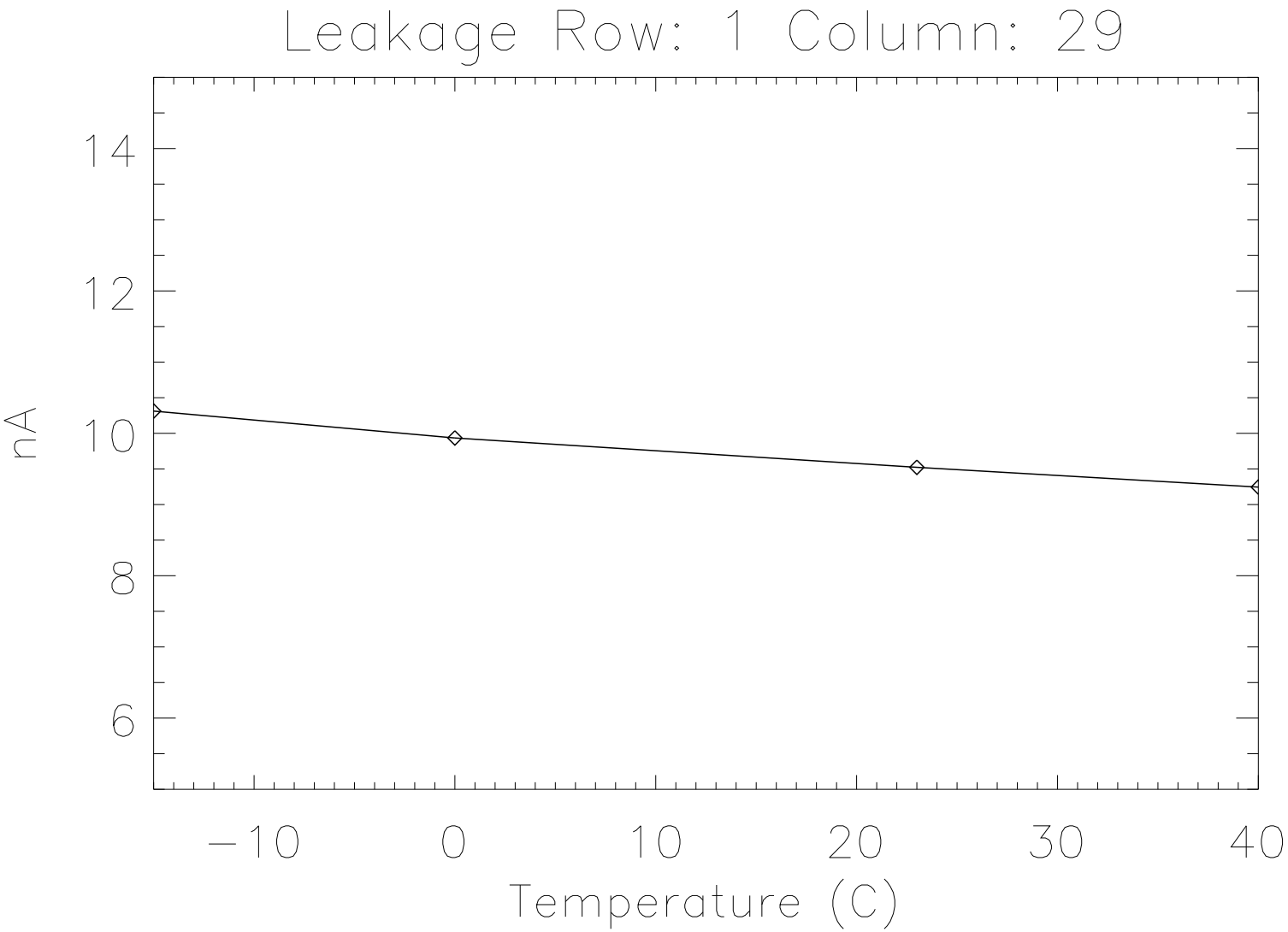

Preamp Row: 1 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

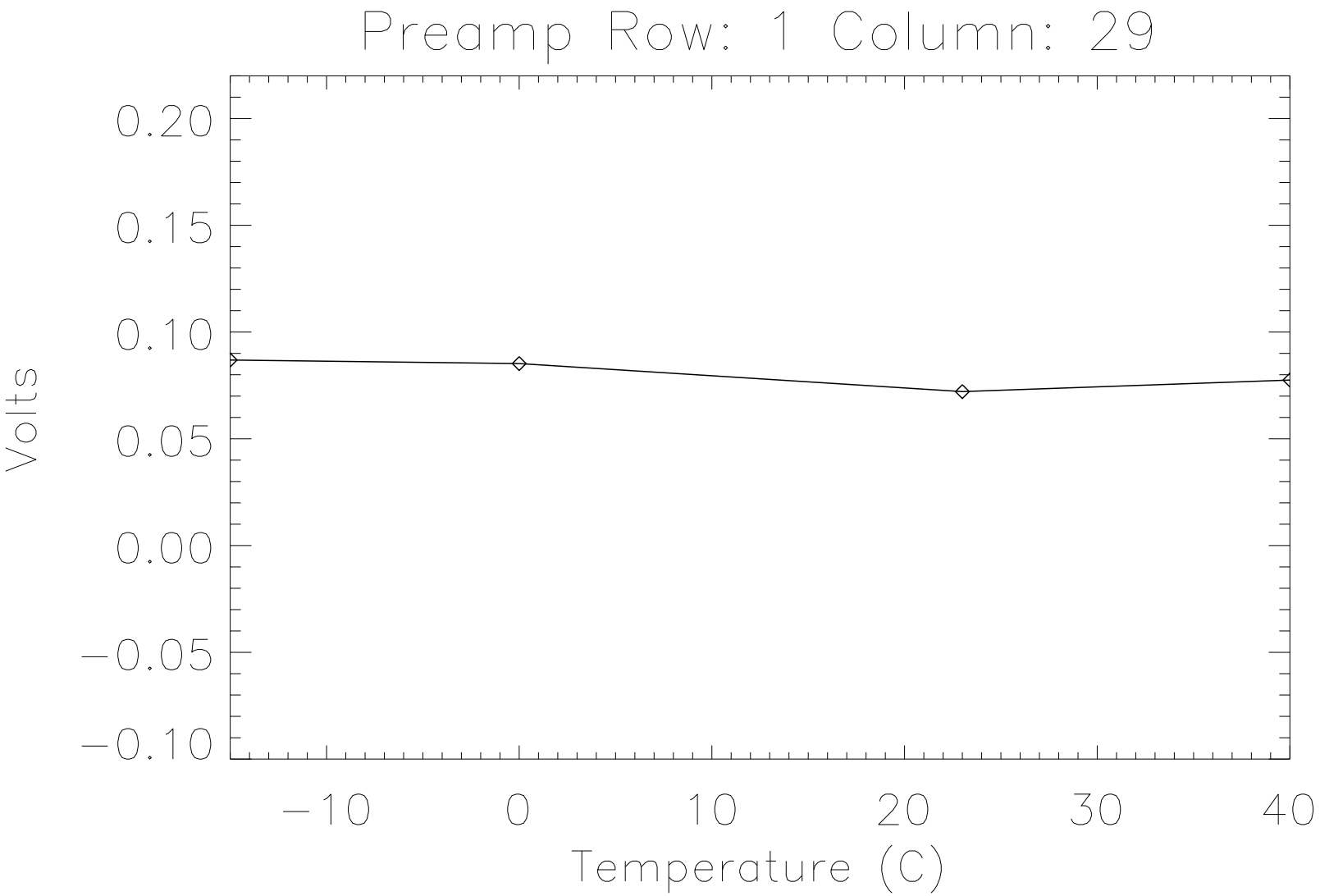

Shaper Row: 1 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

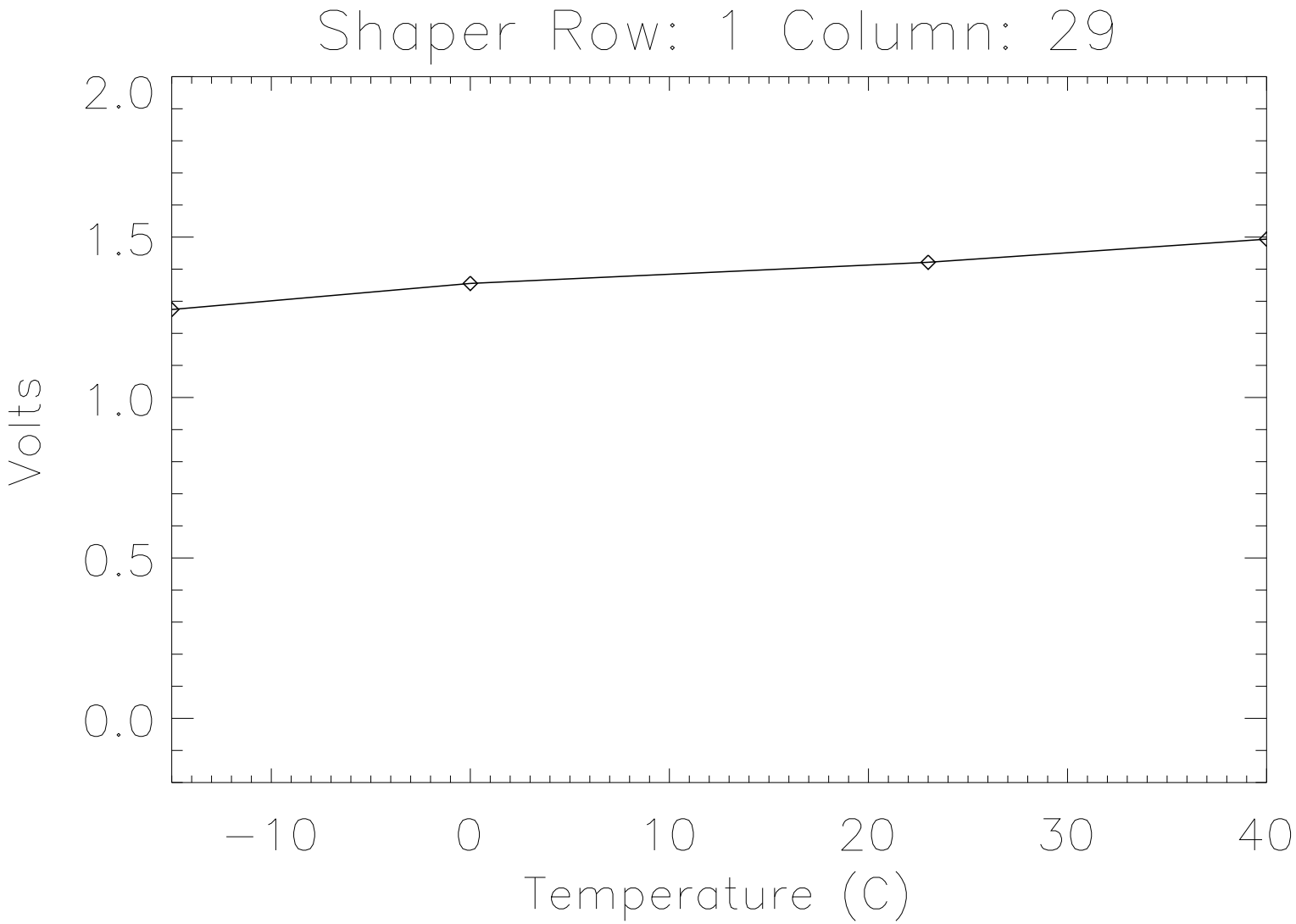

Leakage Row: 1 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

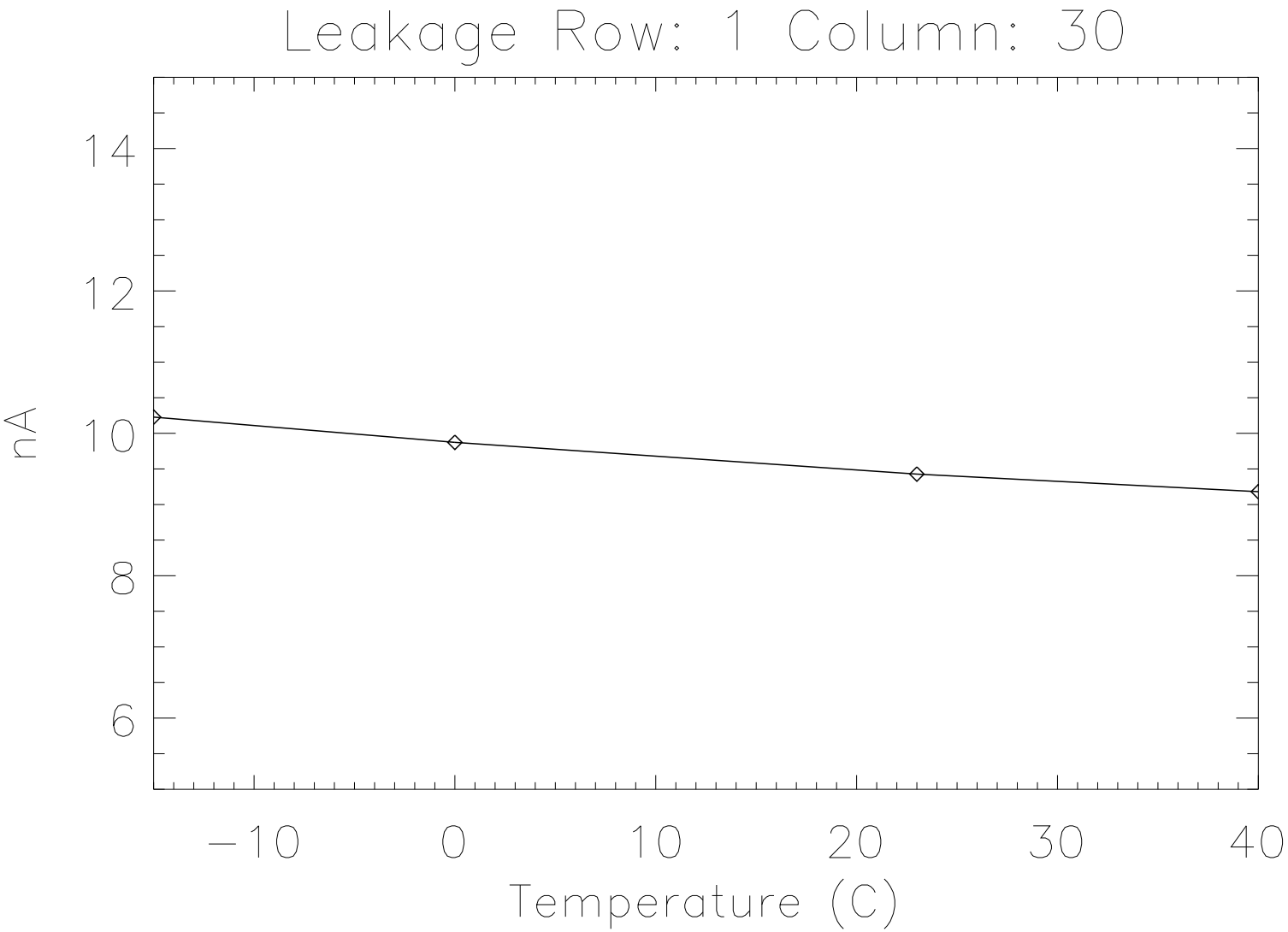

Preamp Row: 1 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

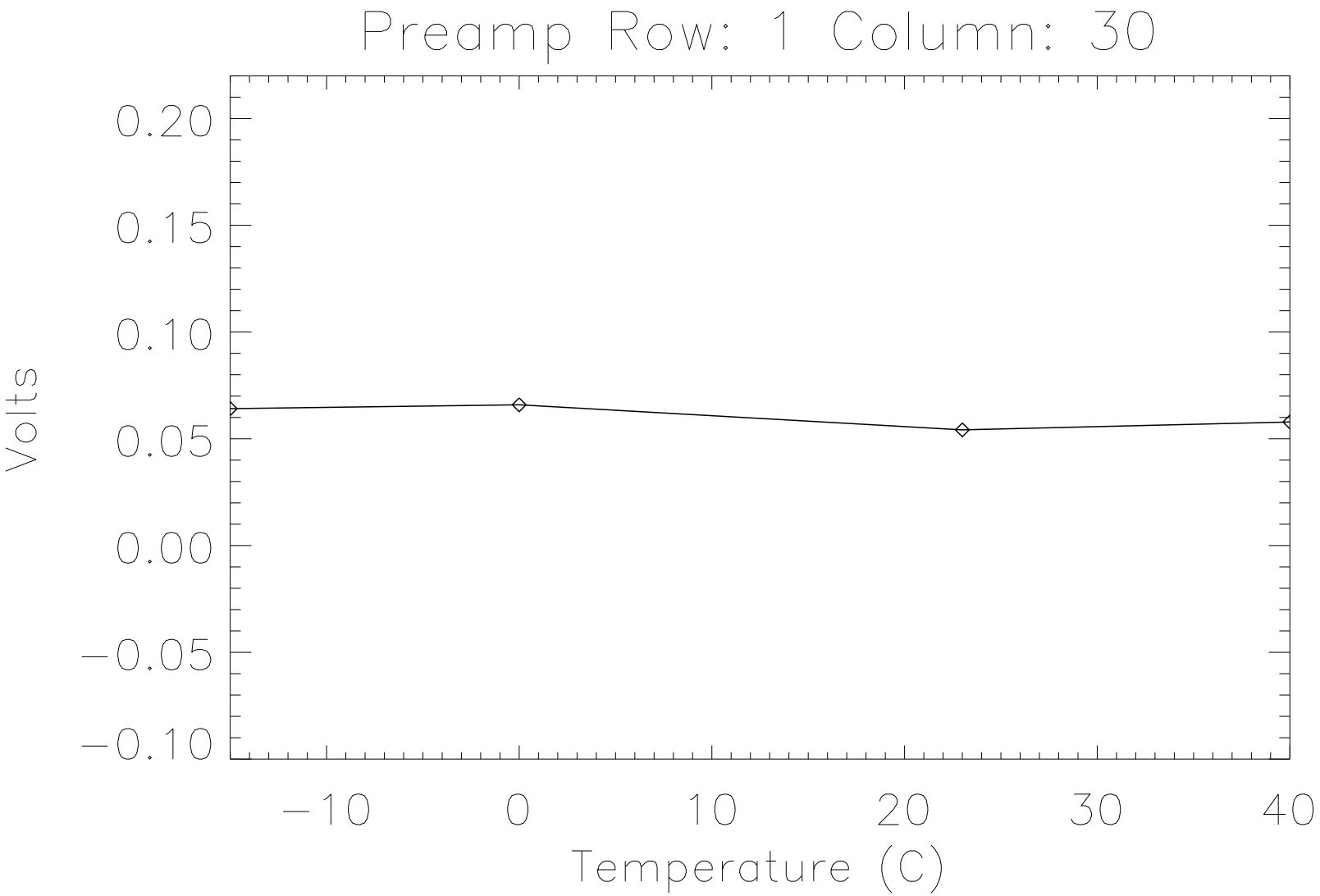

Shaper Row: 1 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

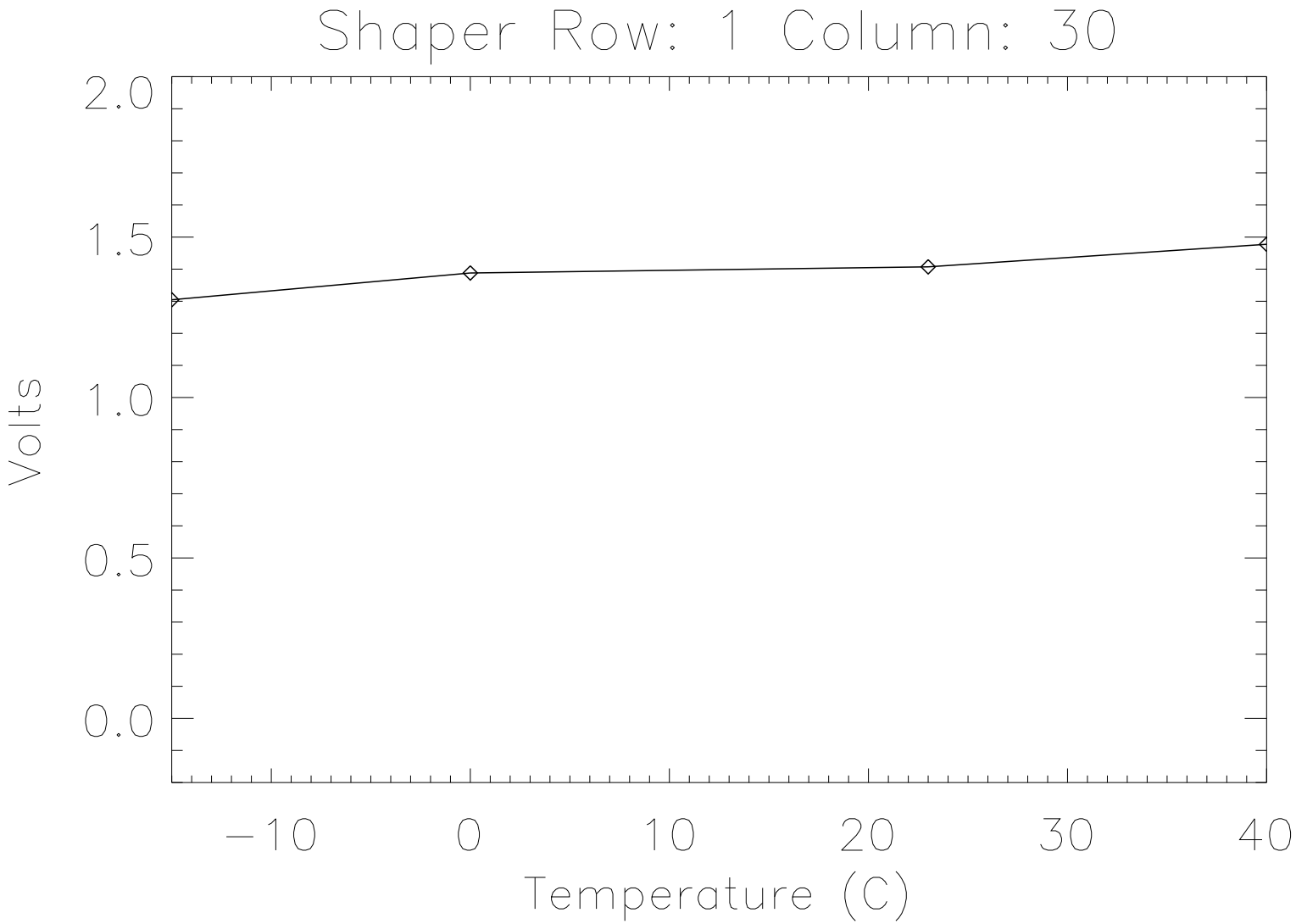

Leakage Row: 1 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

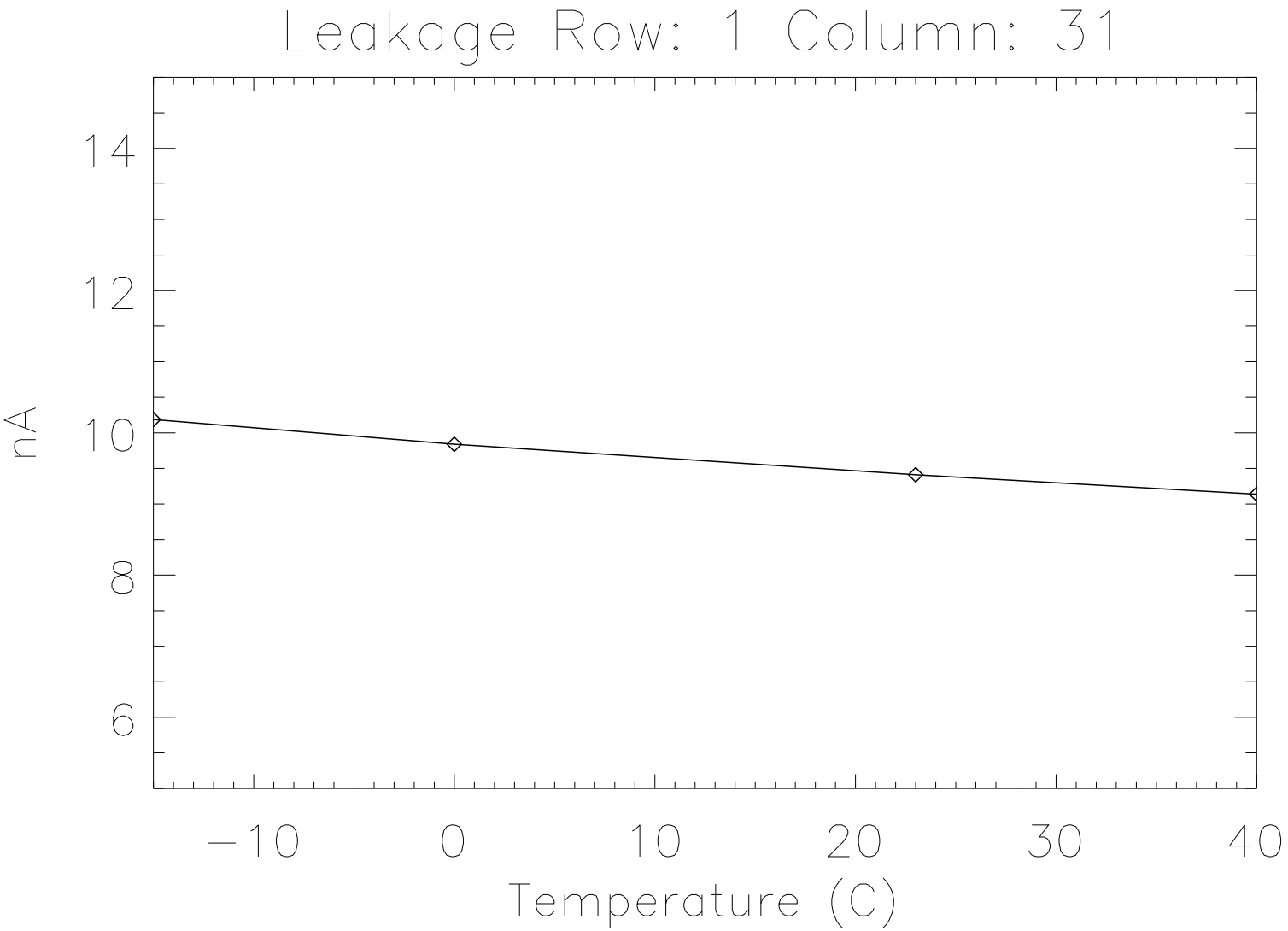

Preamp Row: 1 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

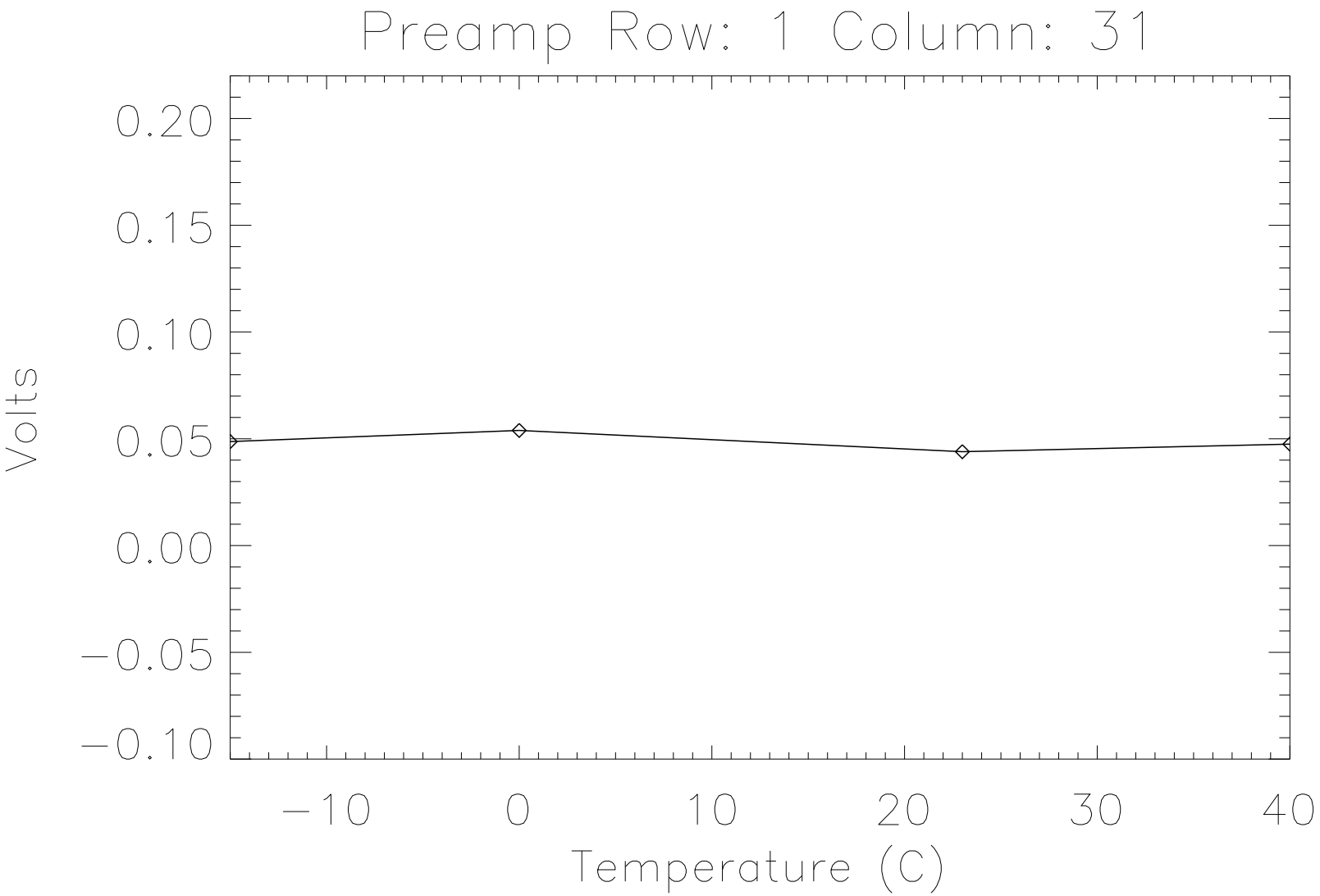

Shaper Row: 1 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

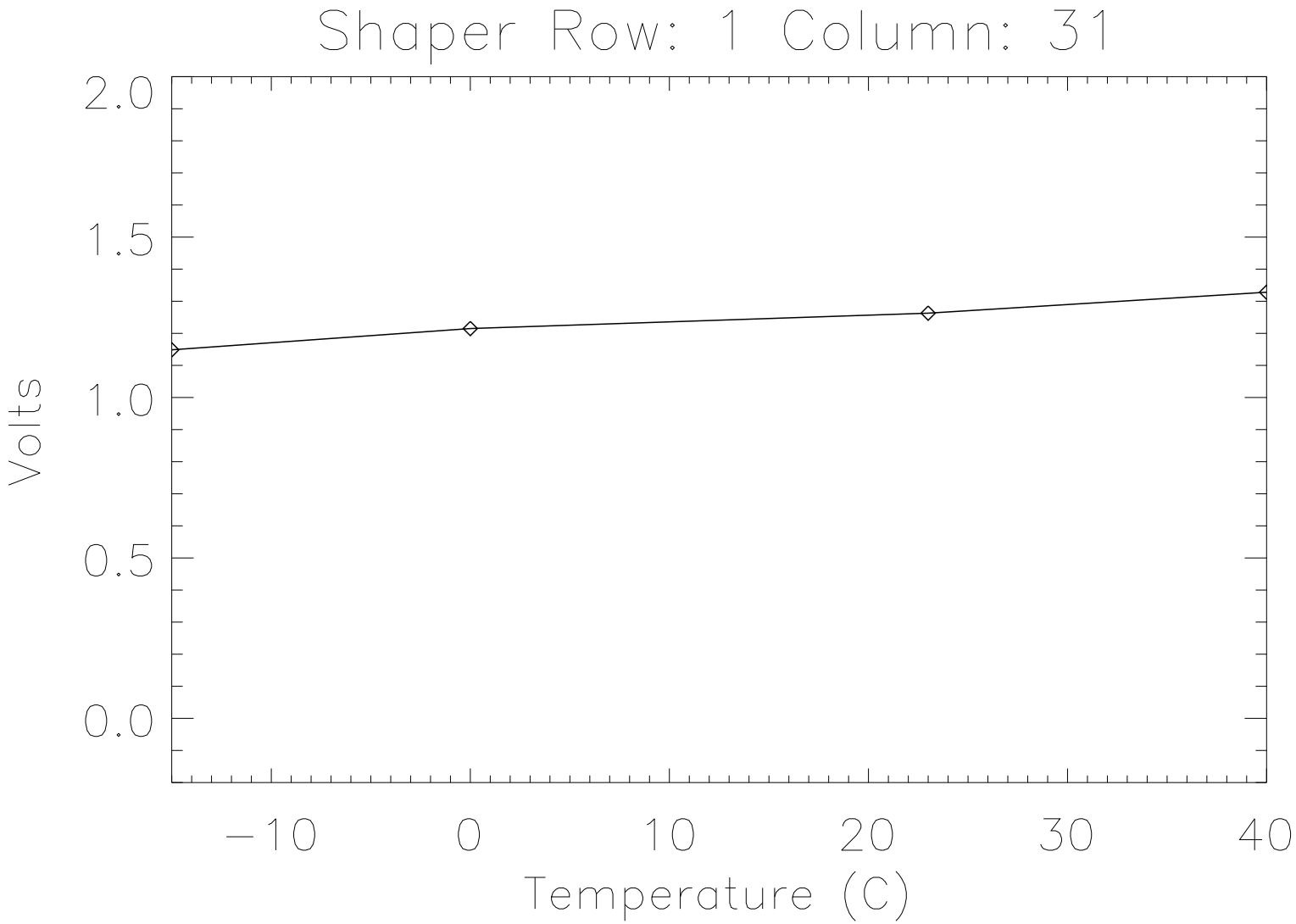

Leakage Row: 1 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

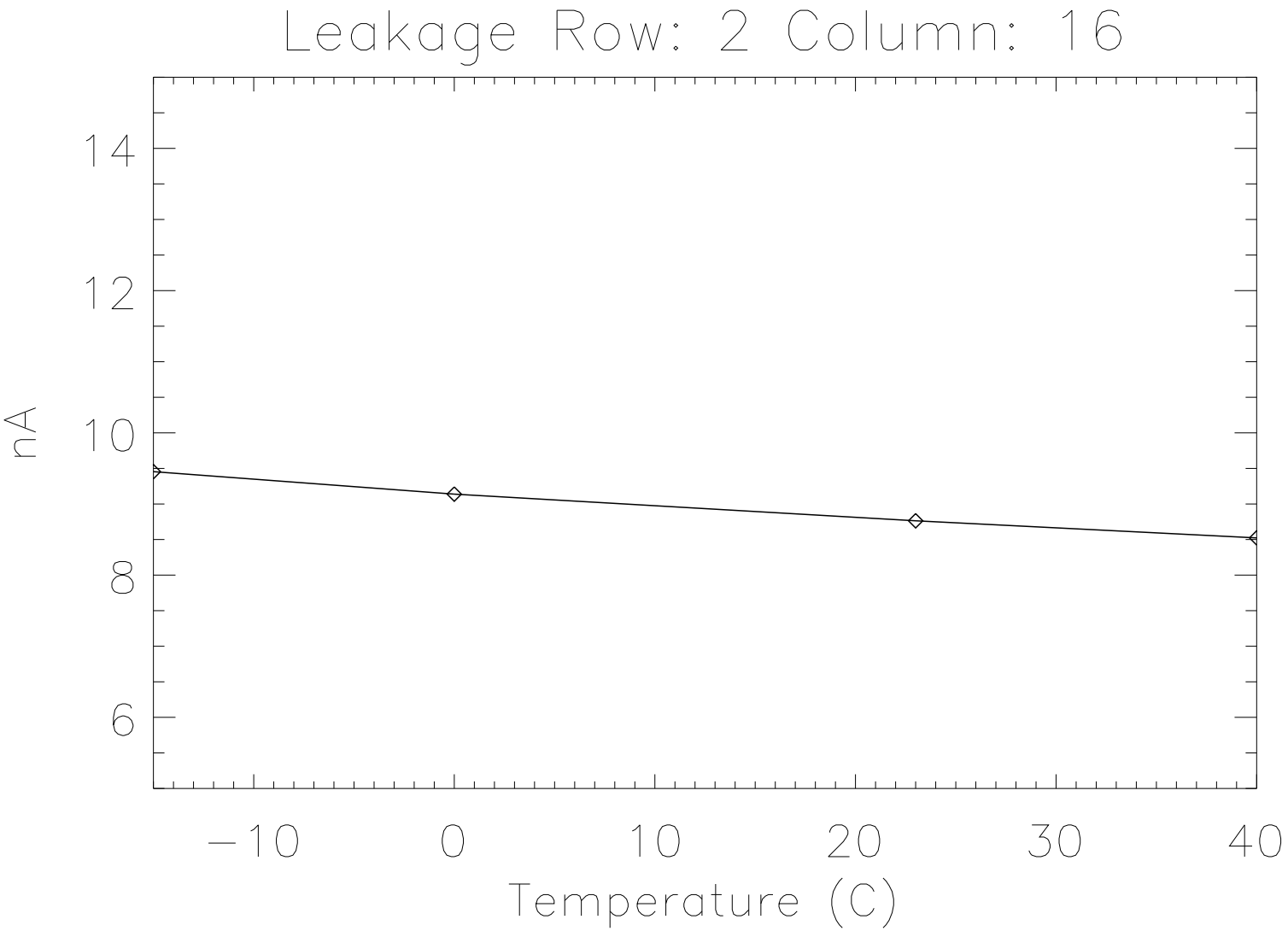

Preamp Row: 1 Column: 30
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

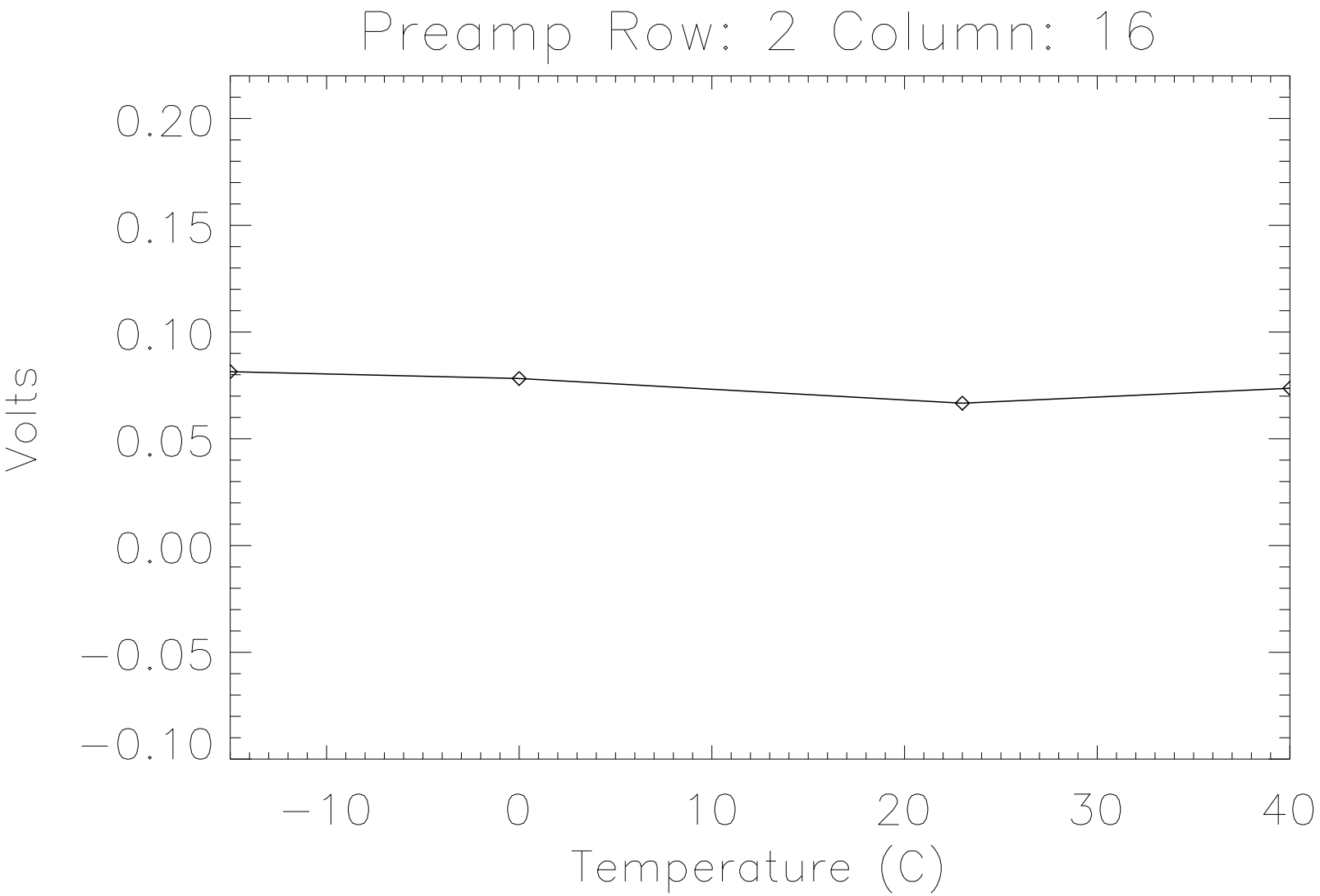

Shaper Row: 1 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

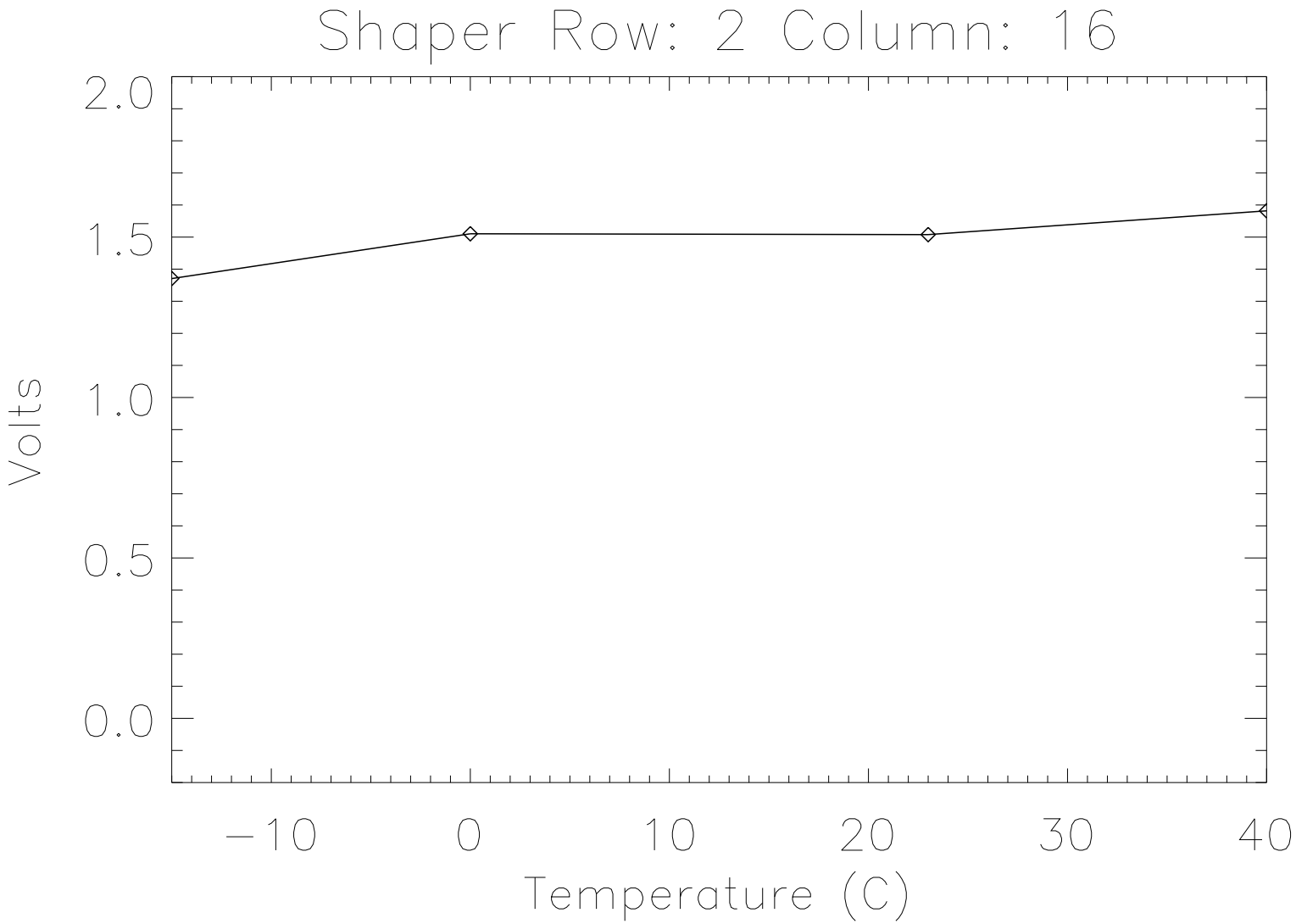

Leakage Row: 1 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

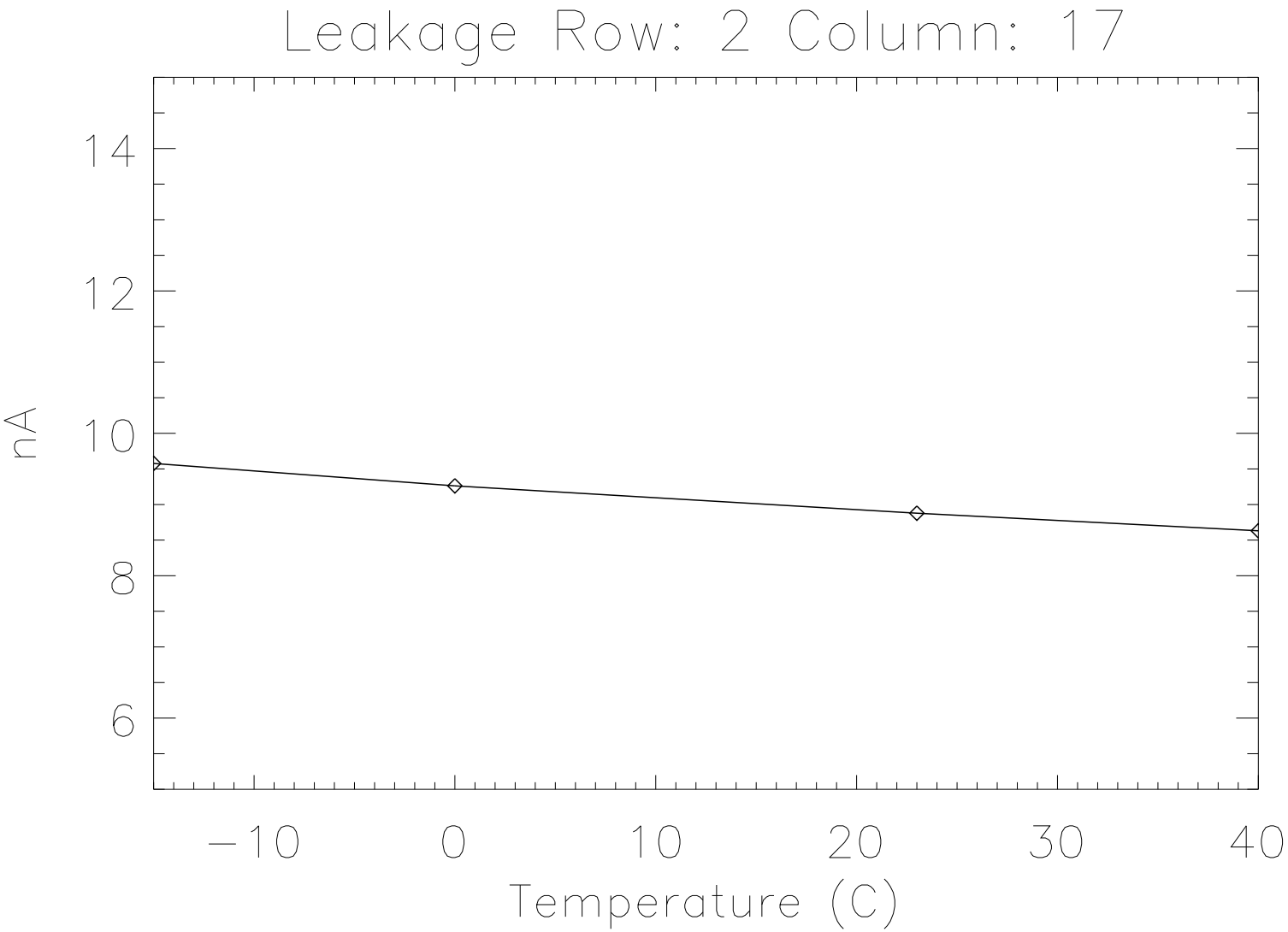

Preamp Row: 1 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

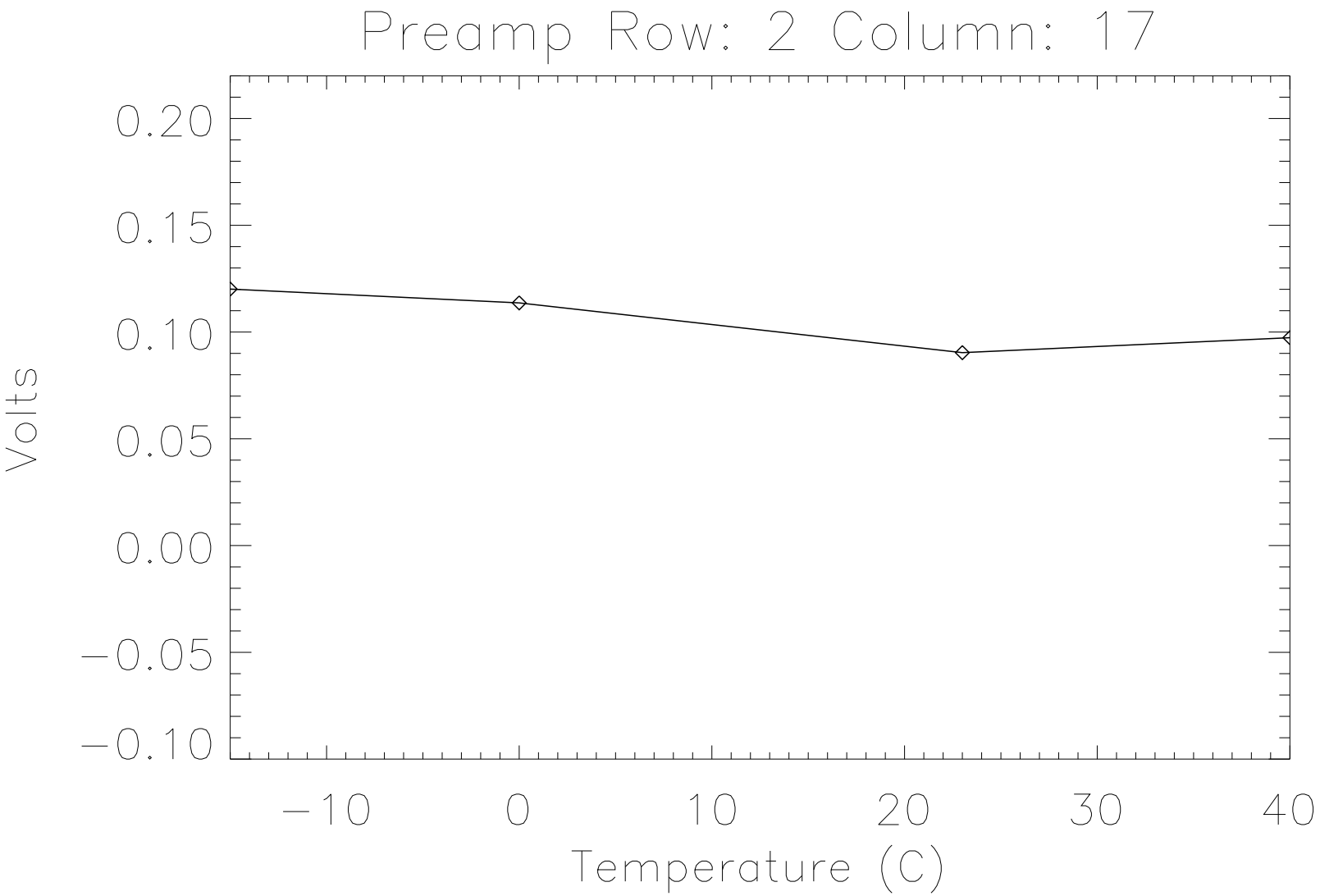

Shaper Row: 1 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

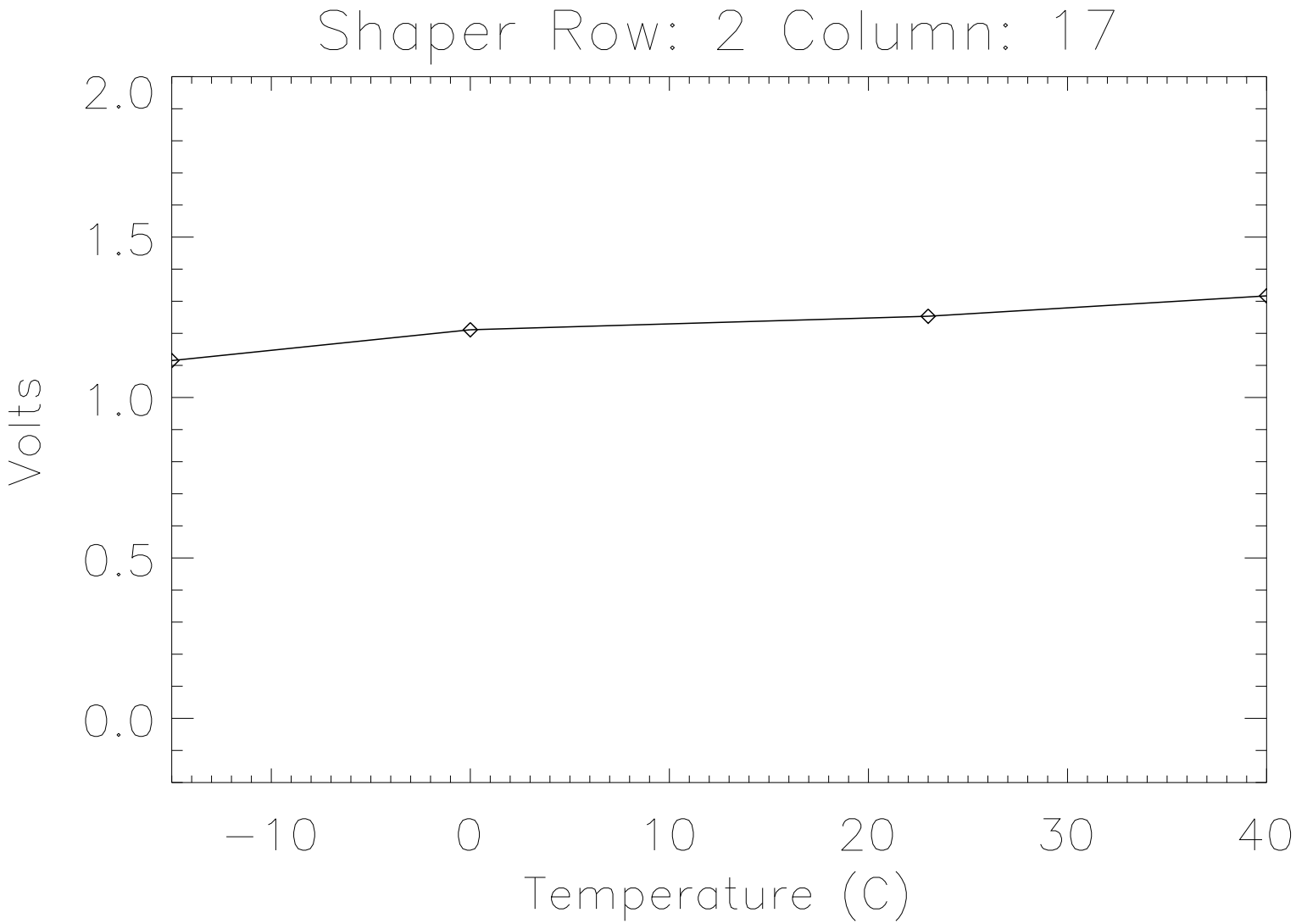

Leakage Row: 2 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

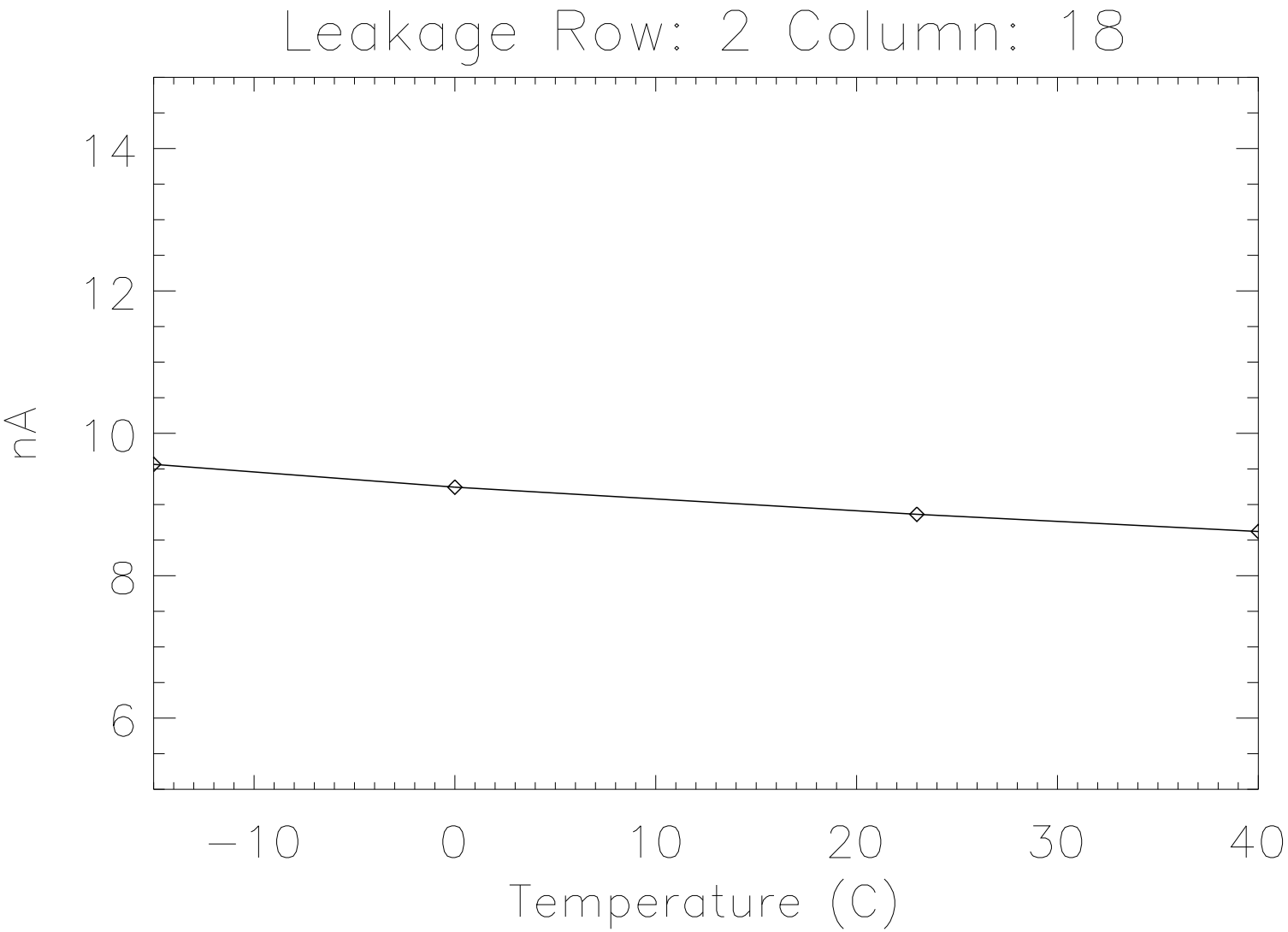

Preamp Row: 2 Column: 16
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

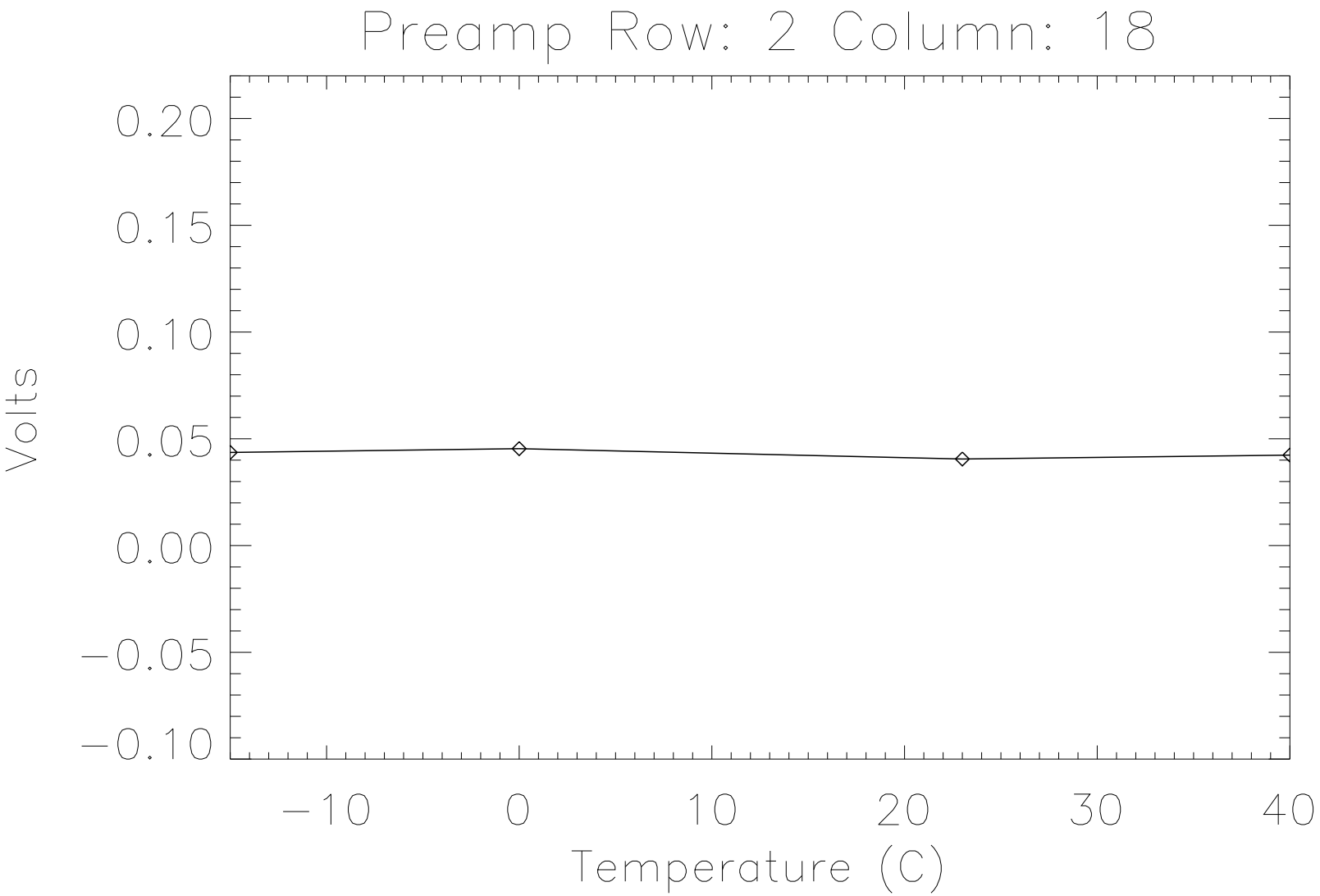

Shaper Row: 2 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

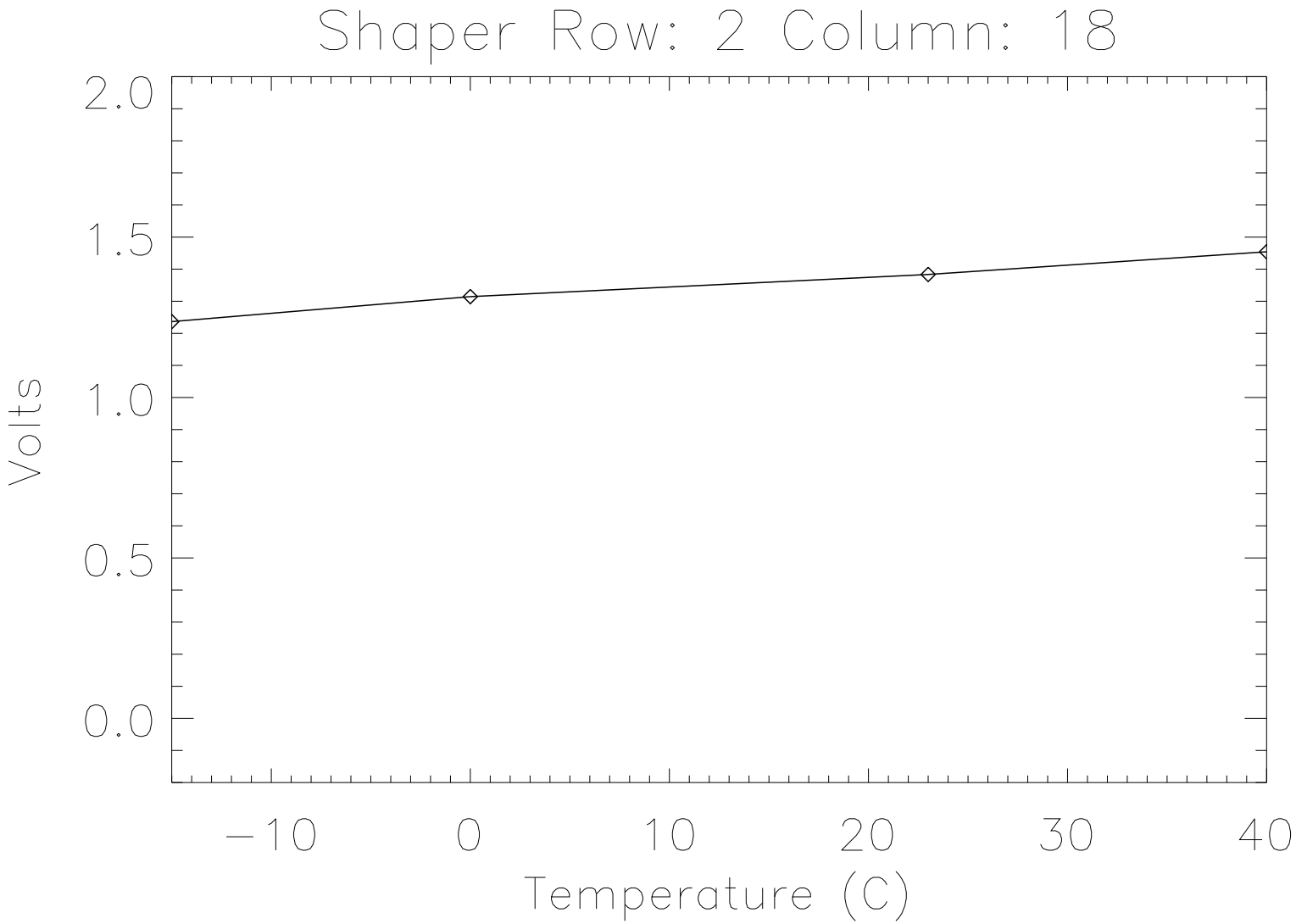

Leakage Row: 2 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

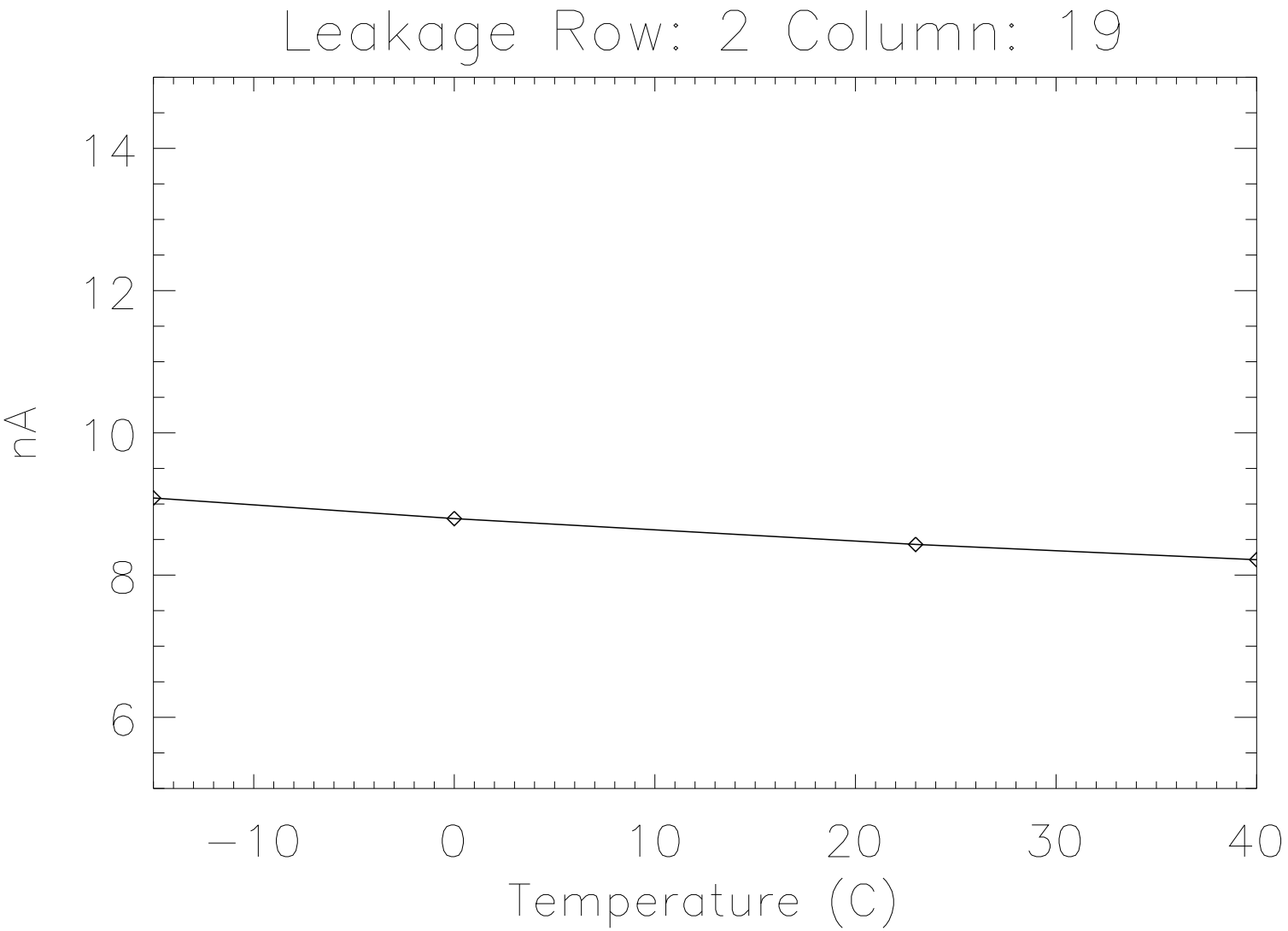

Preamp Row: 2 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

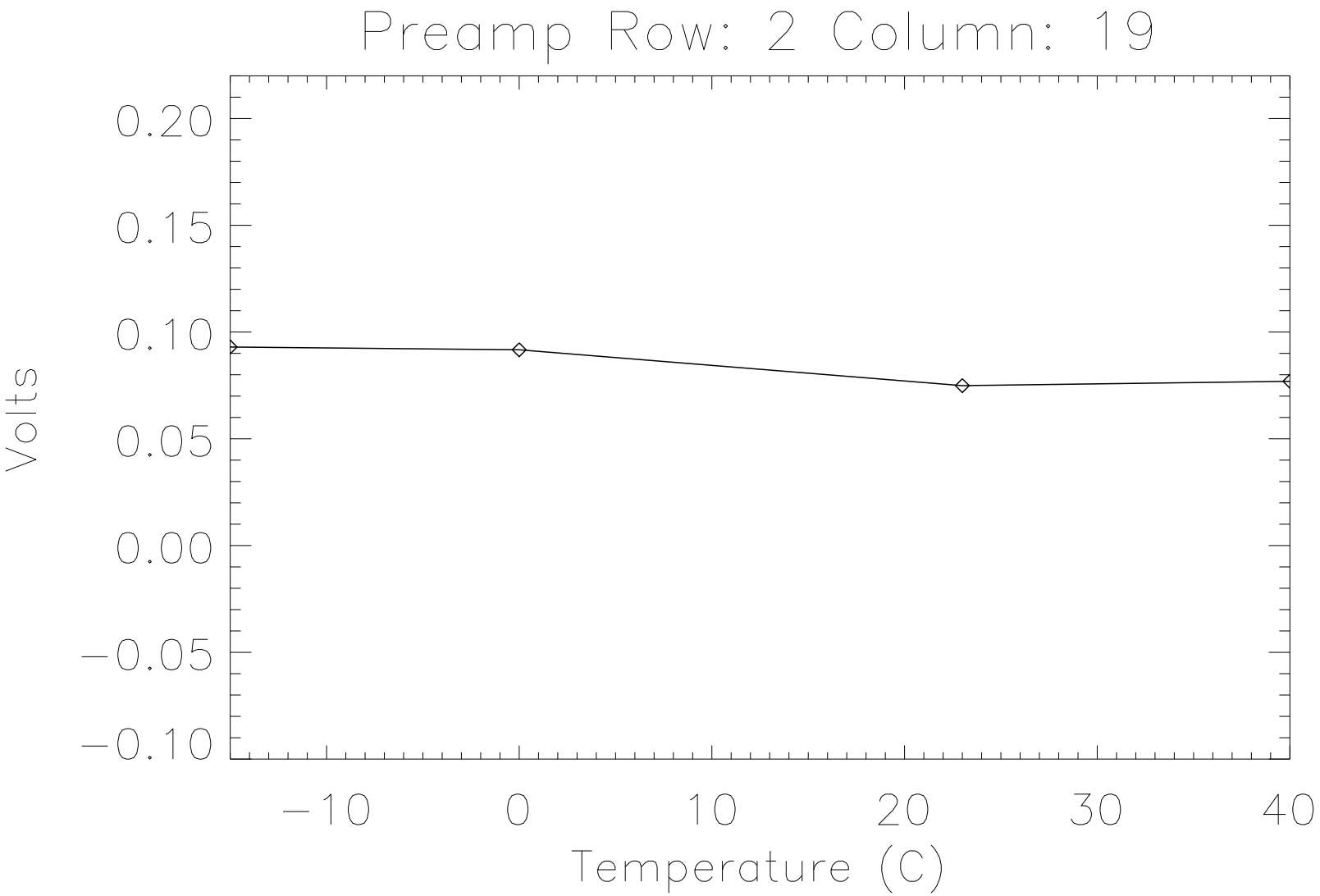

Shaper Row: 2 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

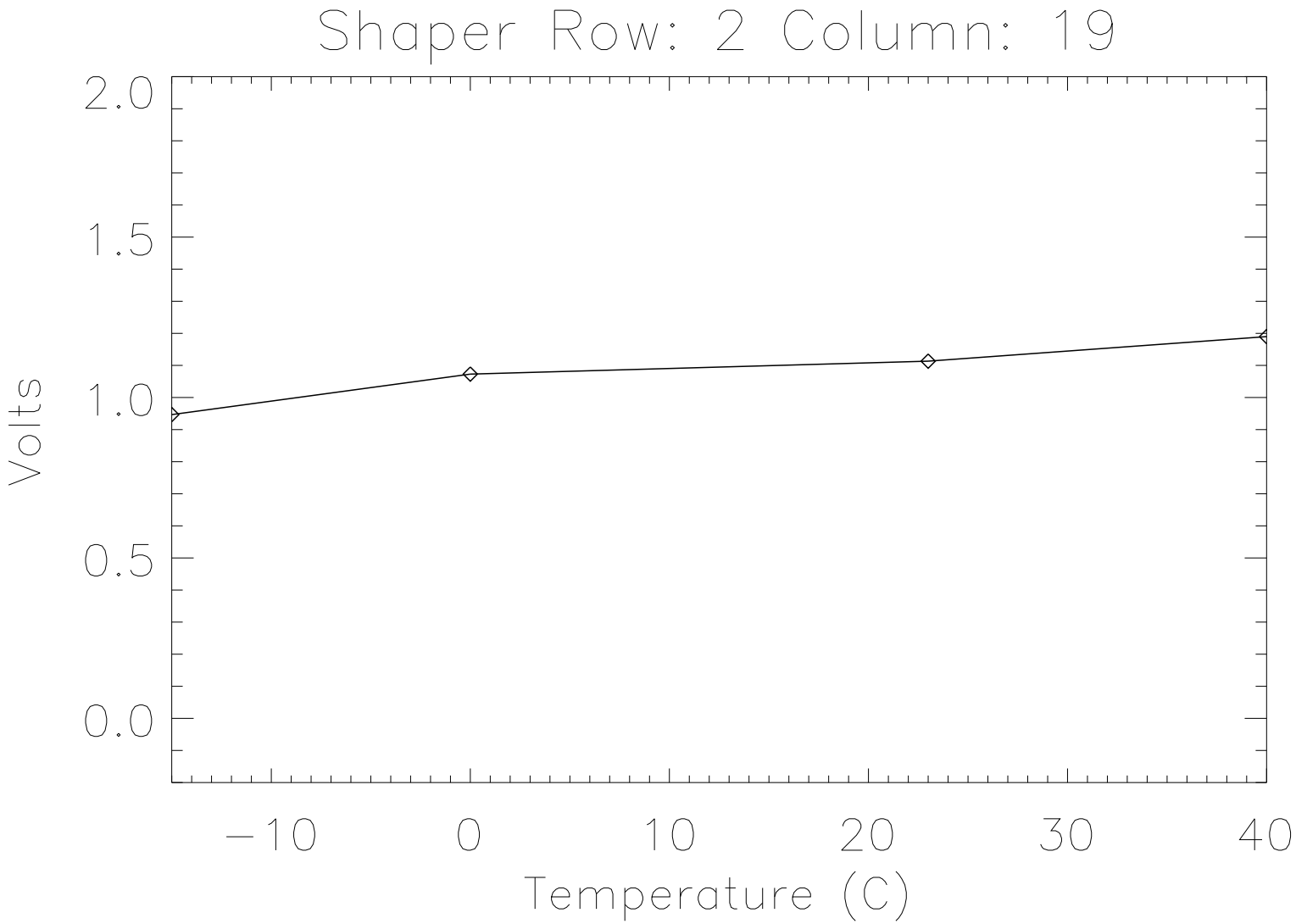

Leakage Row: 2 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

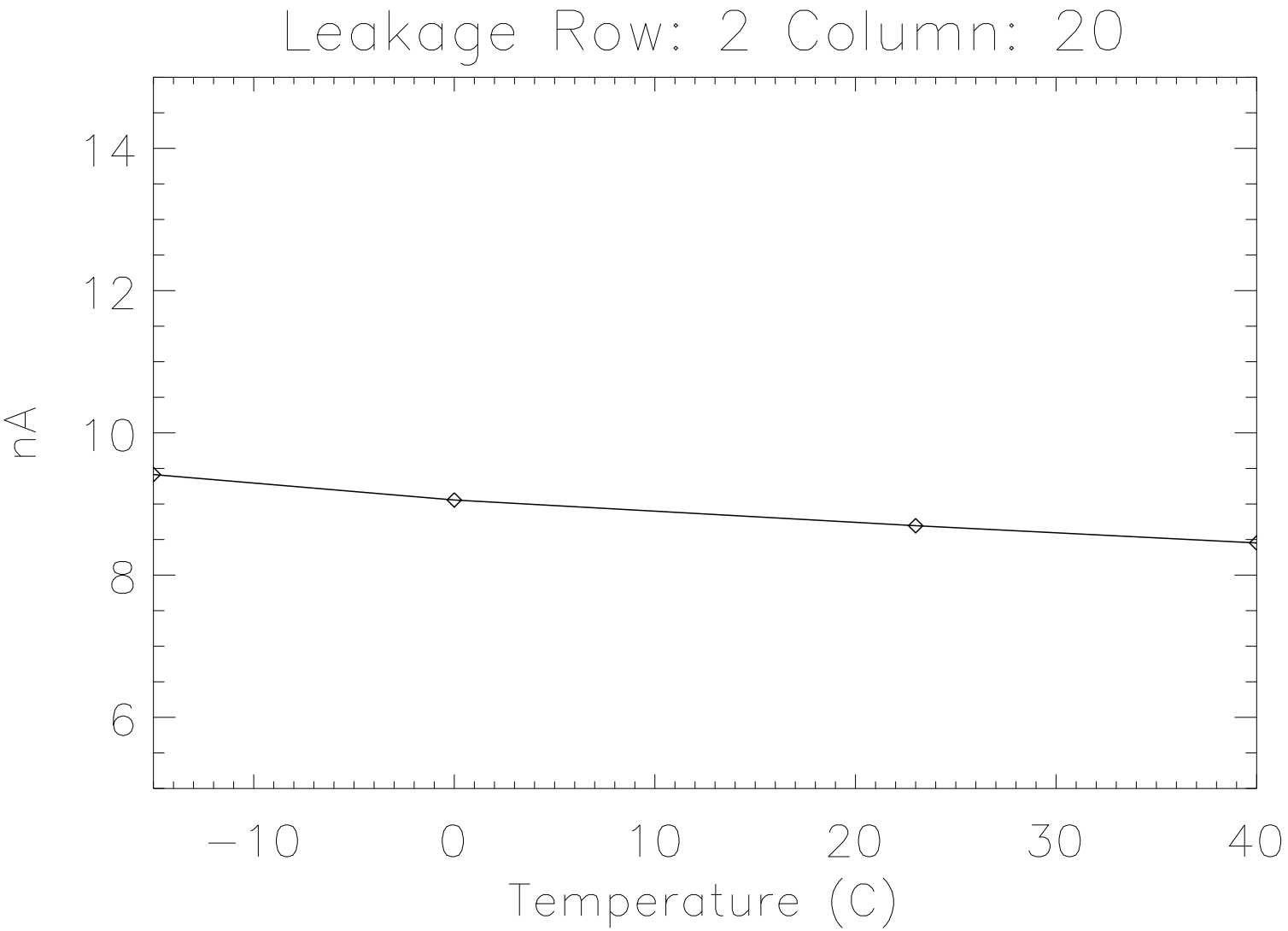

Preamp Row: 2 Column: 18
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

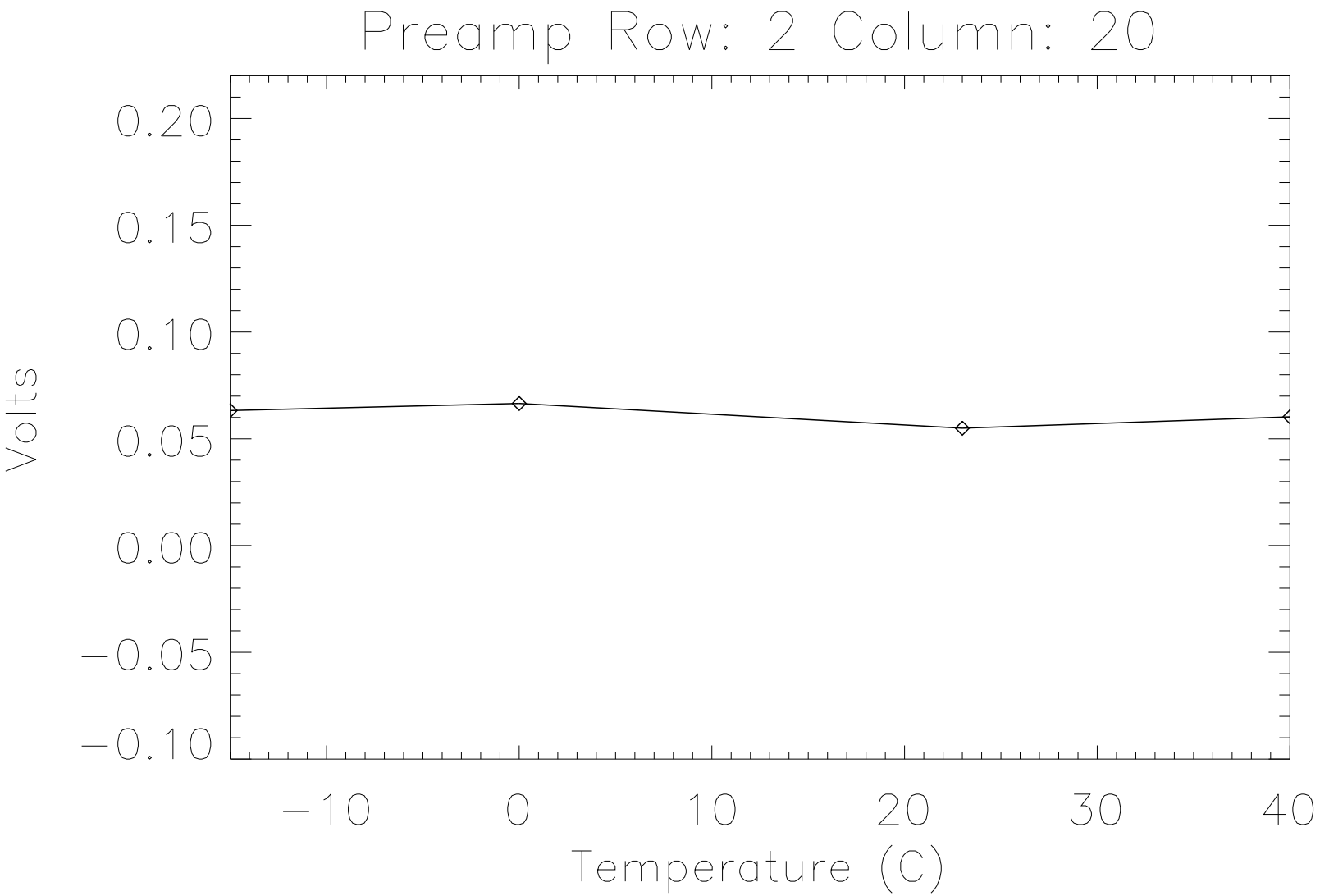

Shaper Row: 2 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

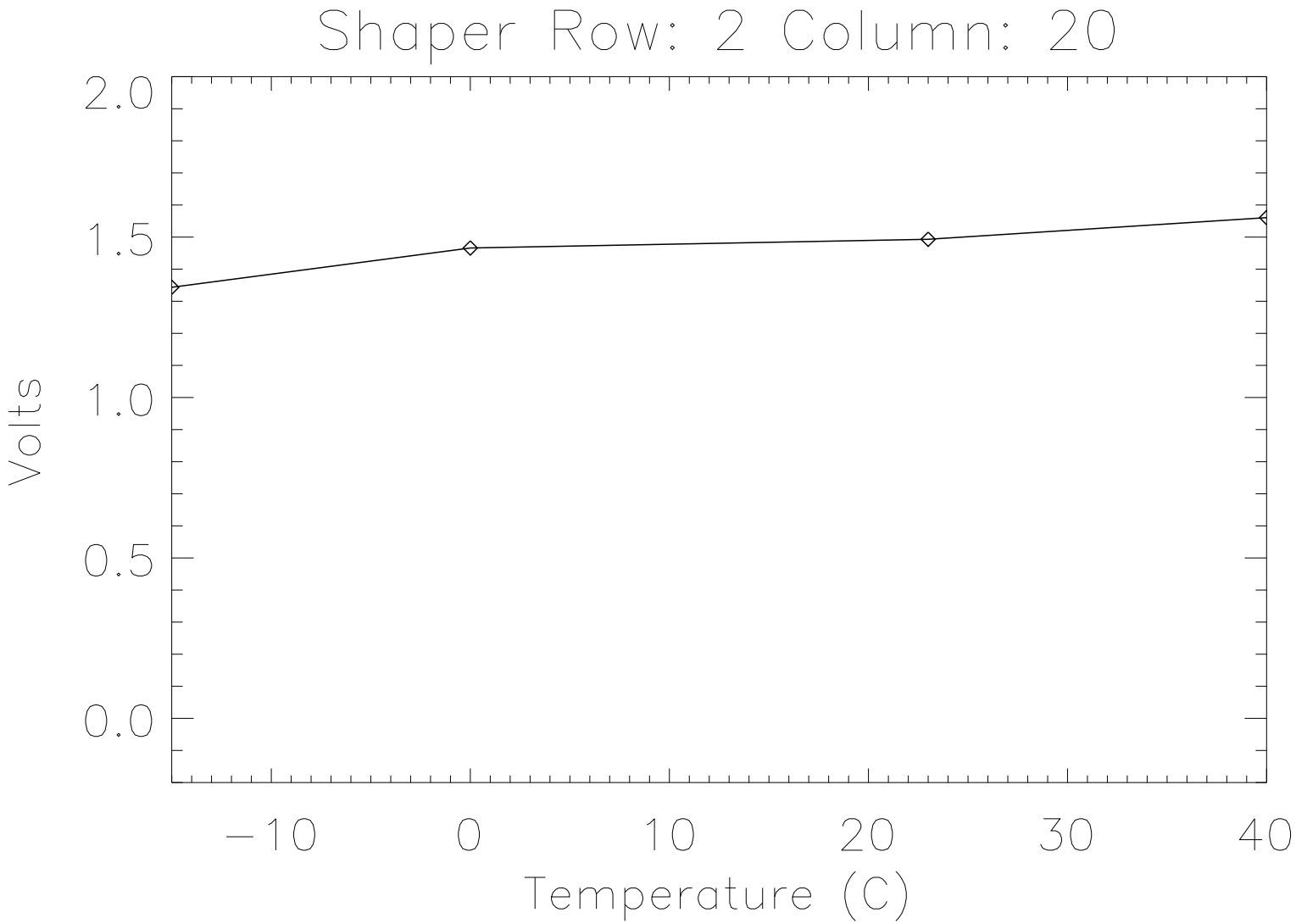

Leakage Row: 2 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 2 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 2 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 2 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 2 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 2 Column: 20
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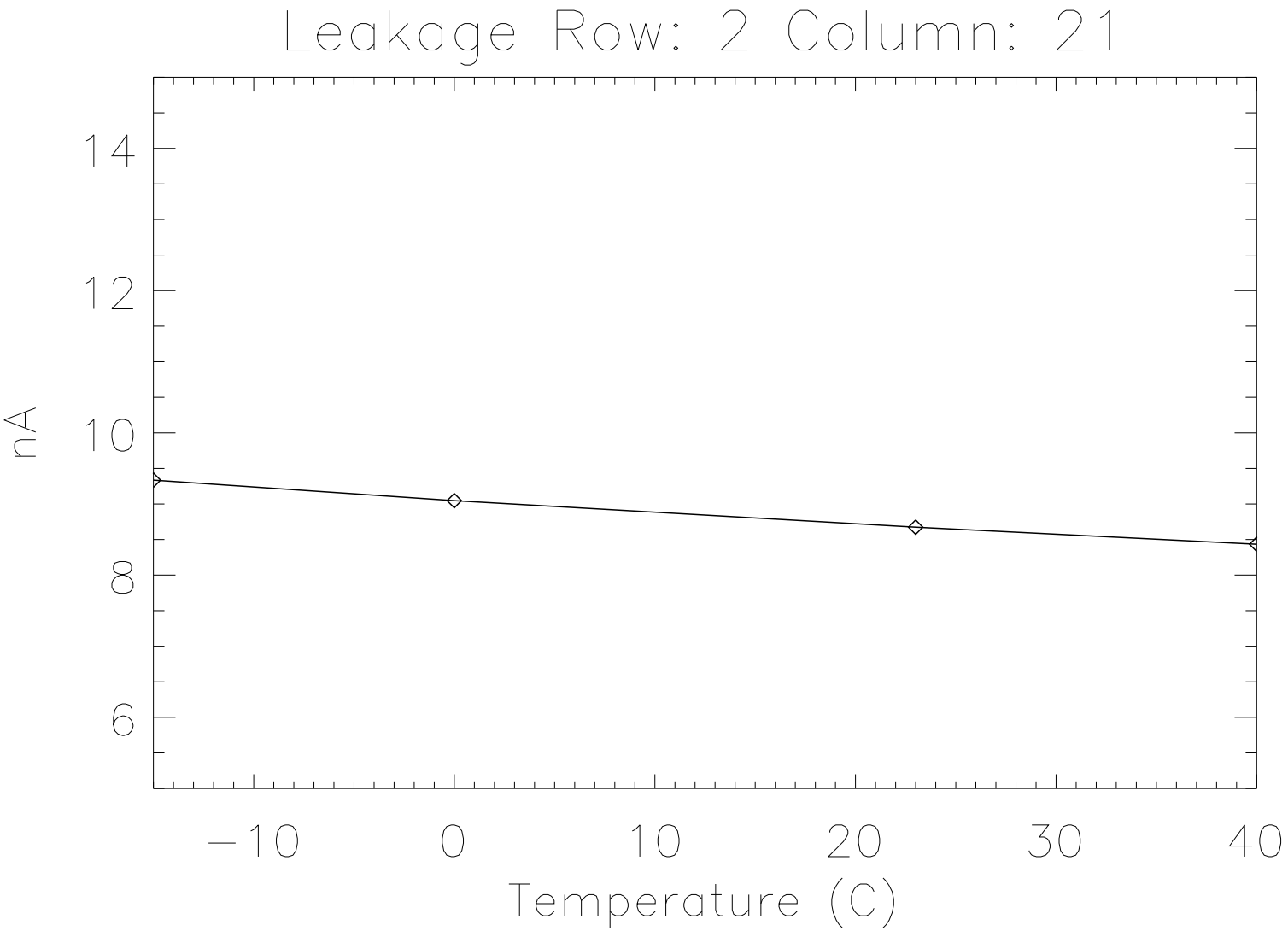
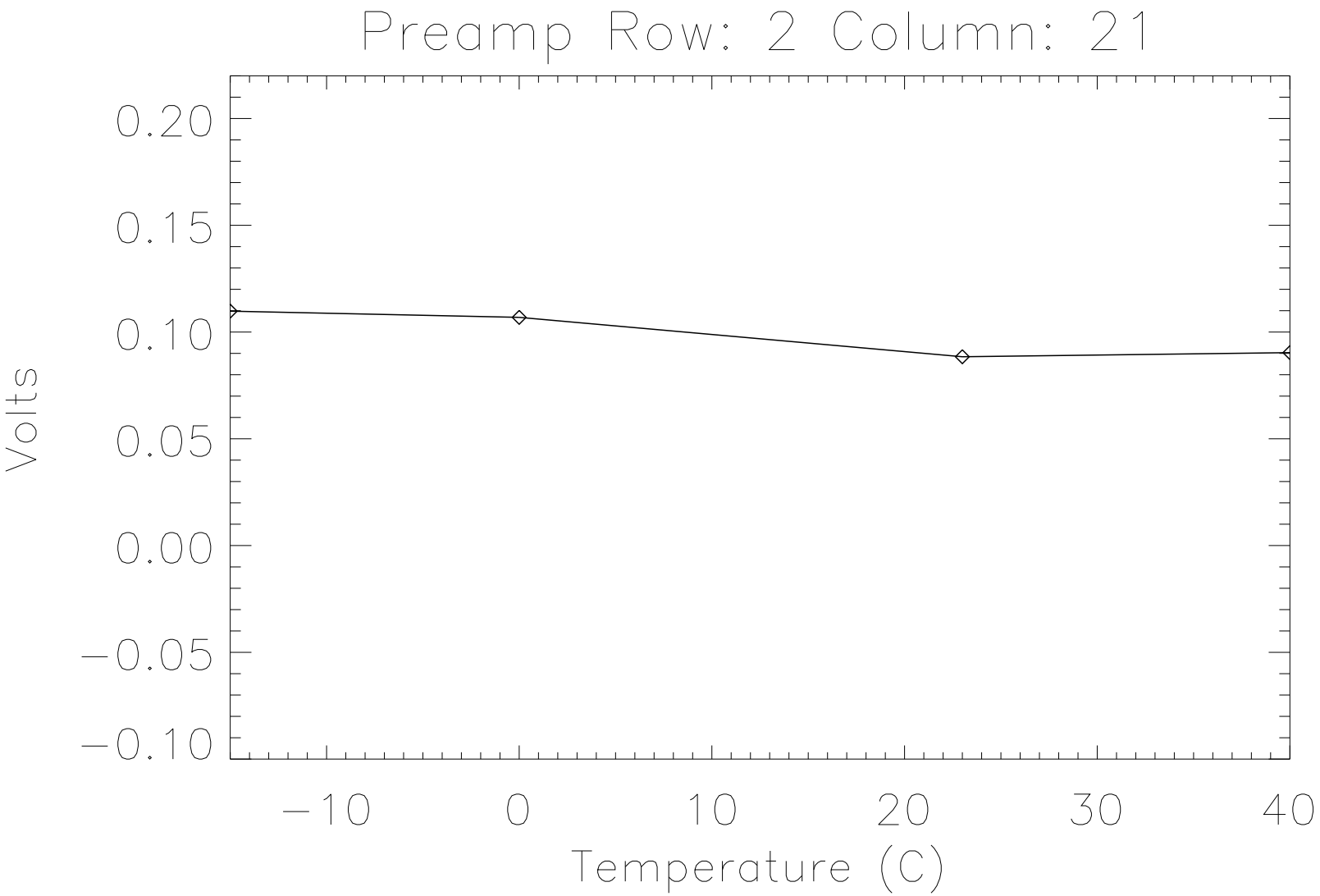
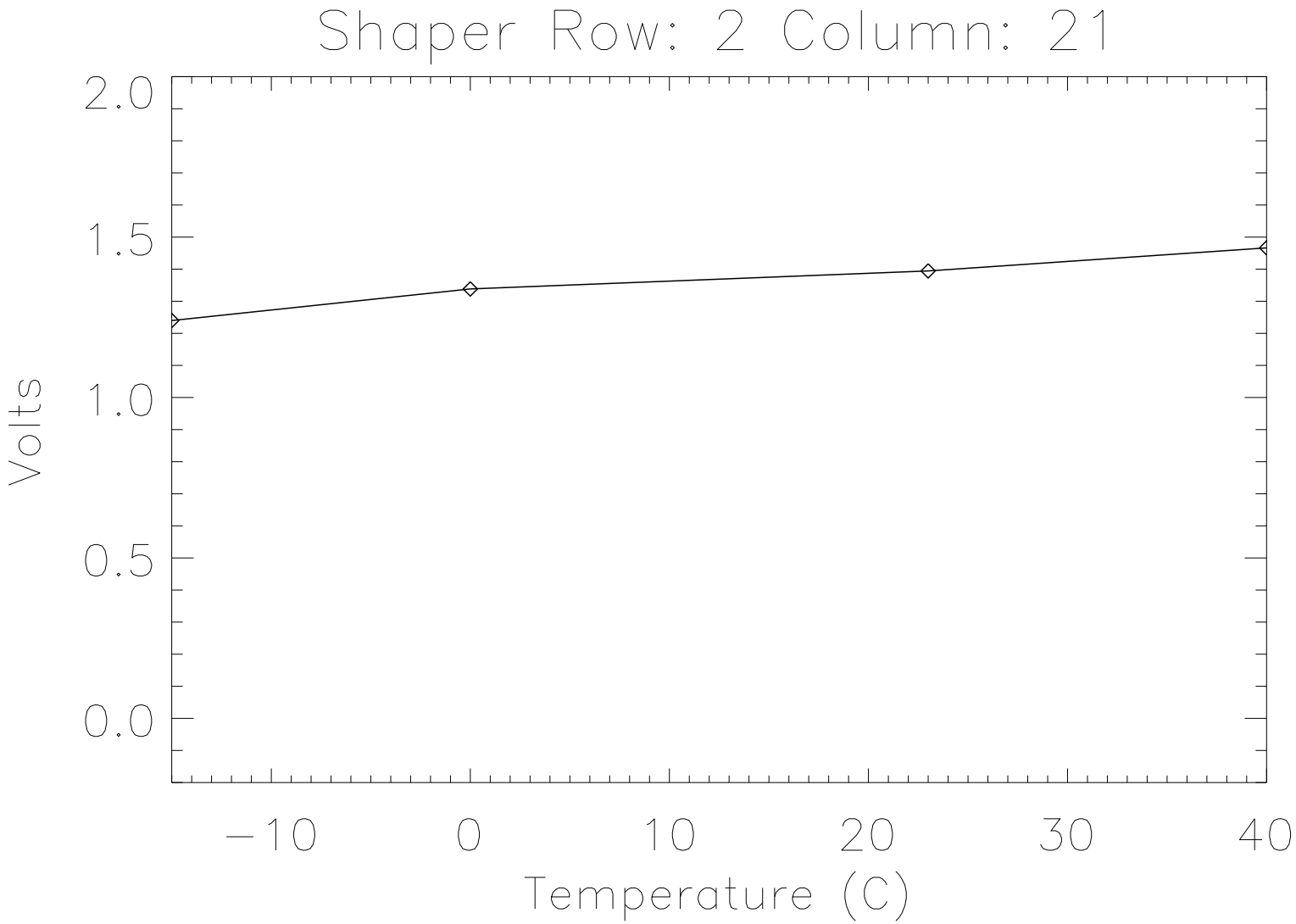
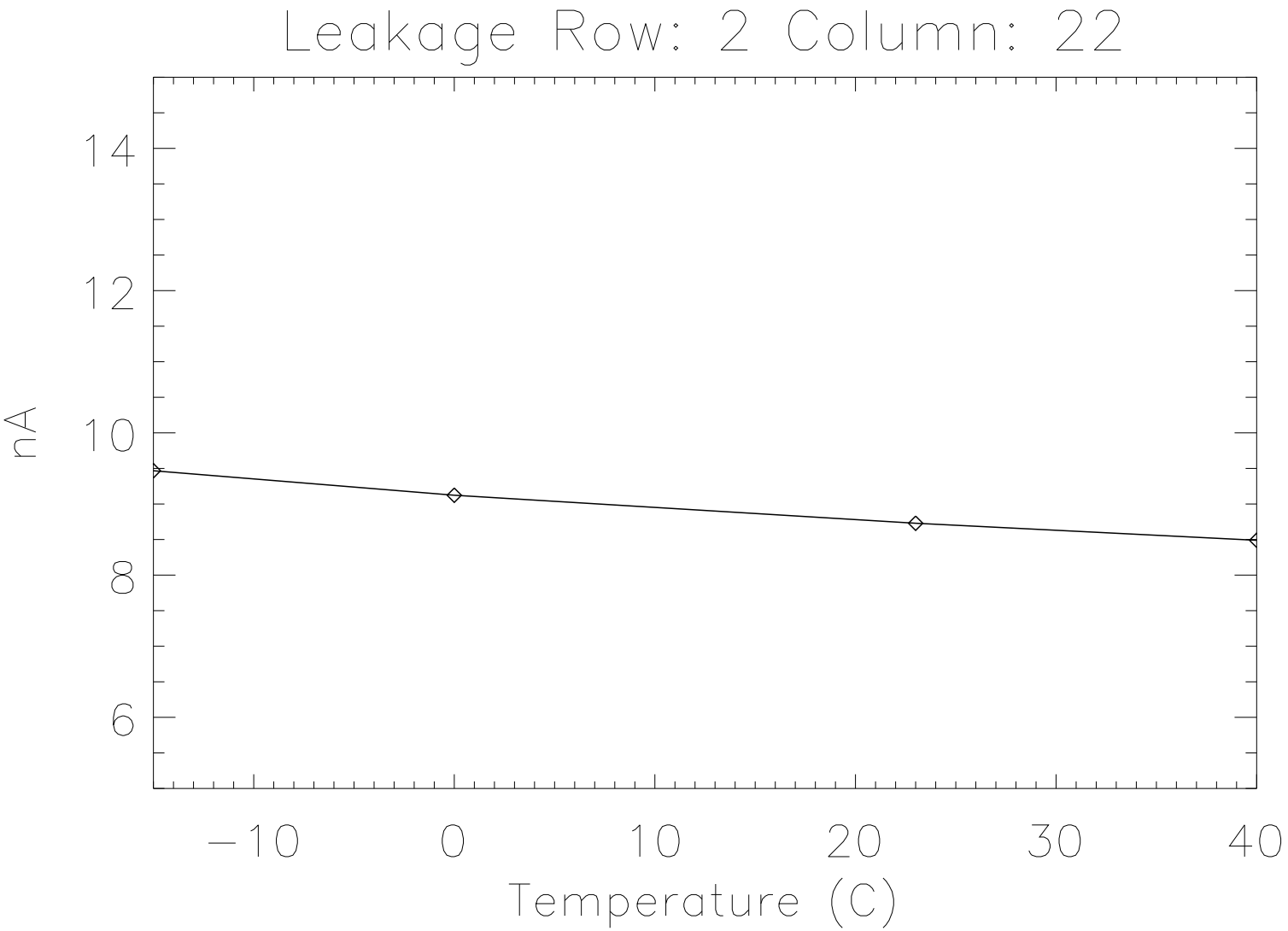
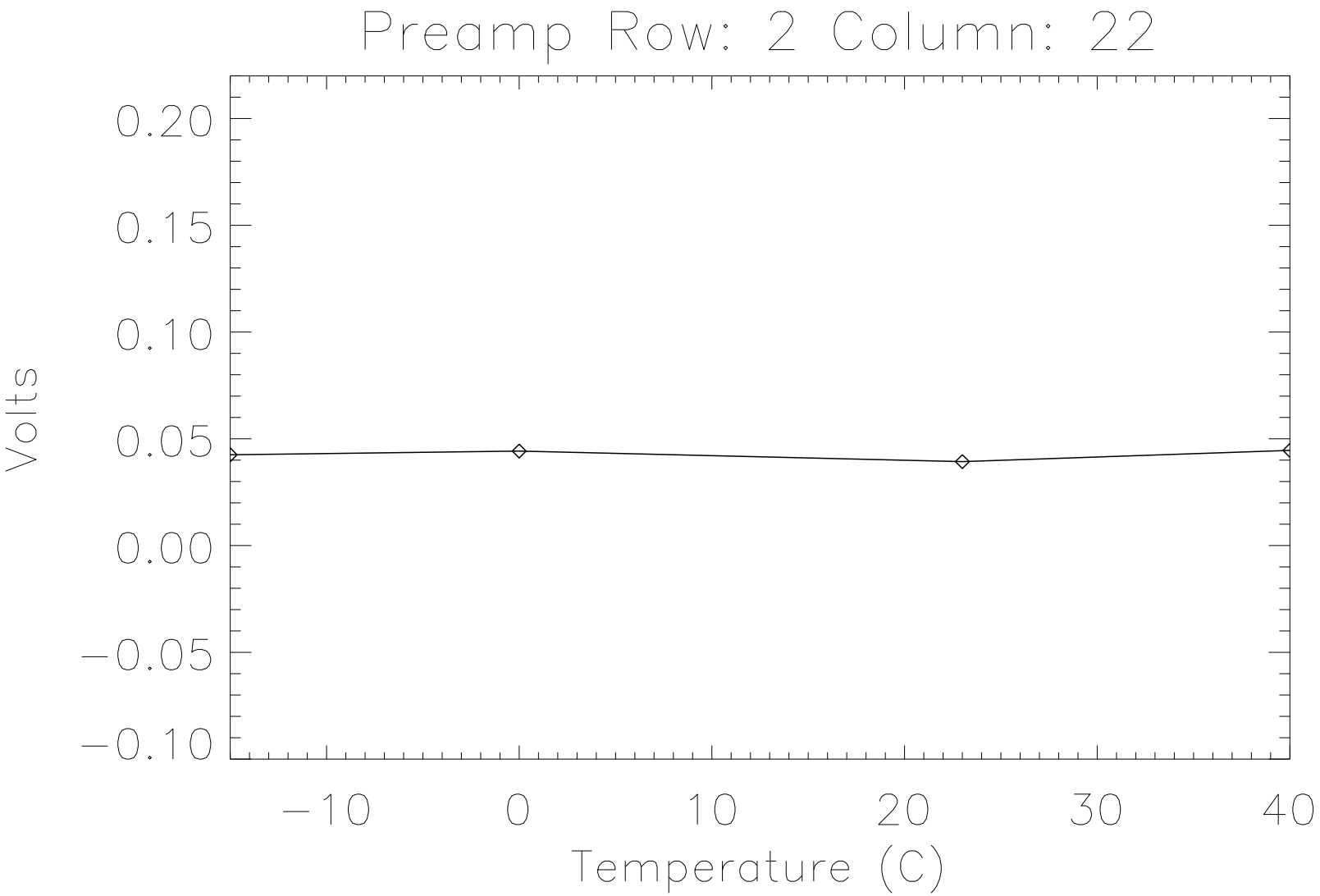
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

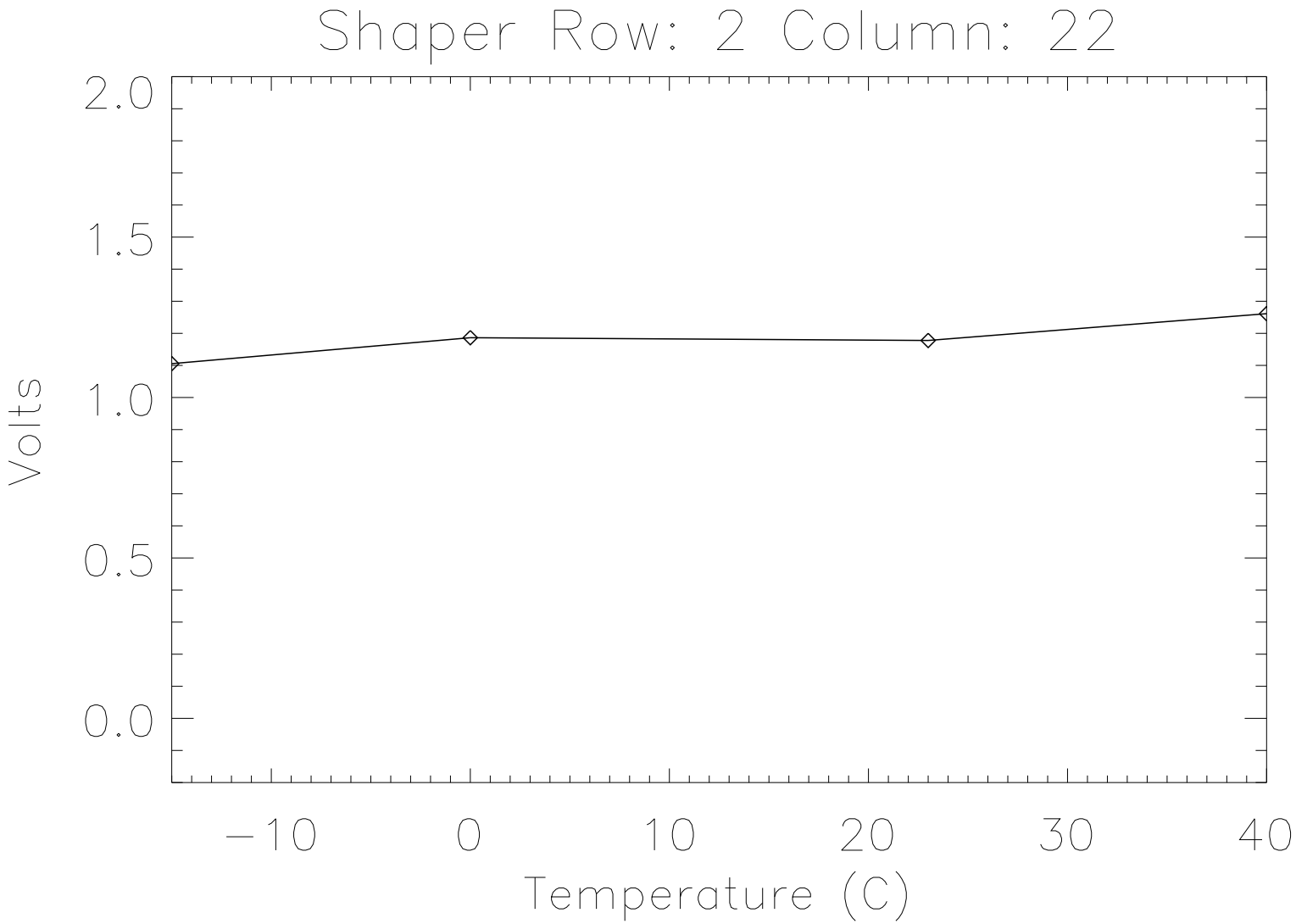

Leakage Row: 2 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

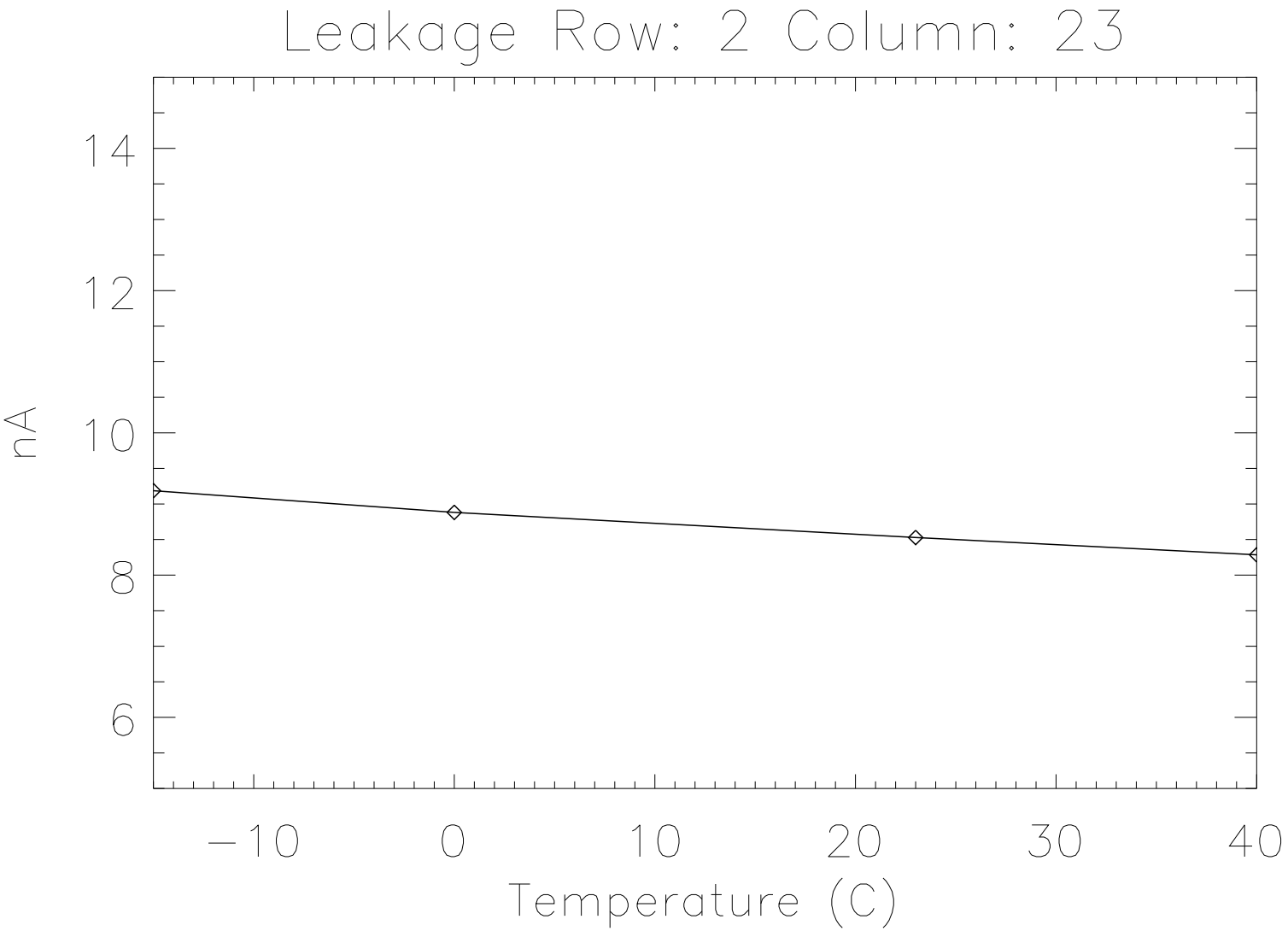

Preamp Row: 2 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

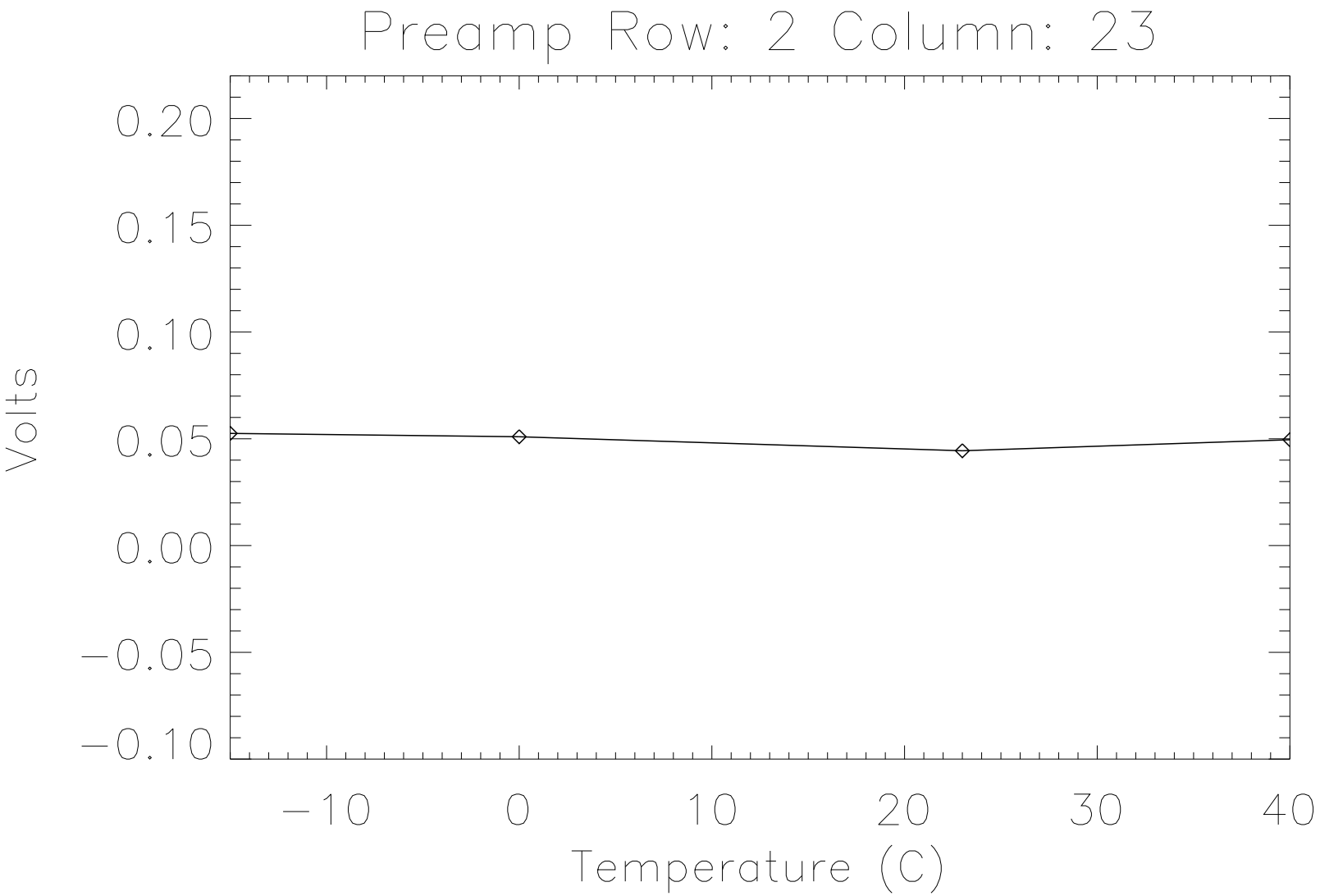

Shaper Row: 2 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

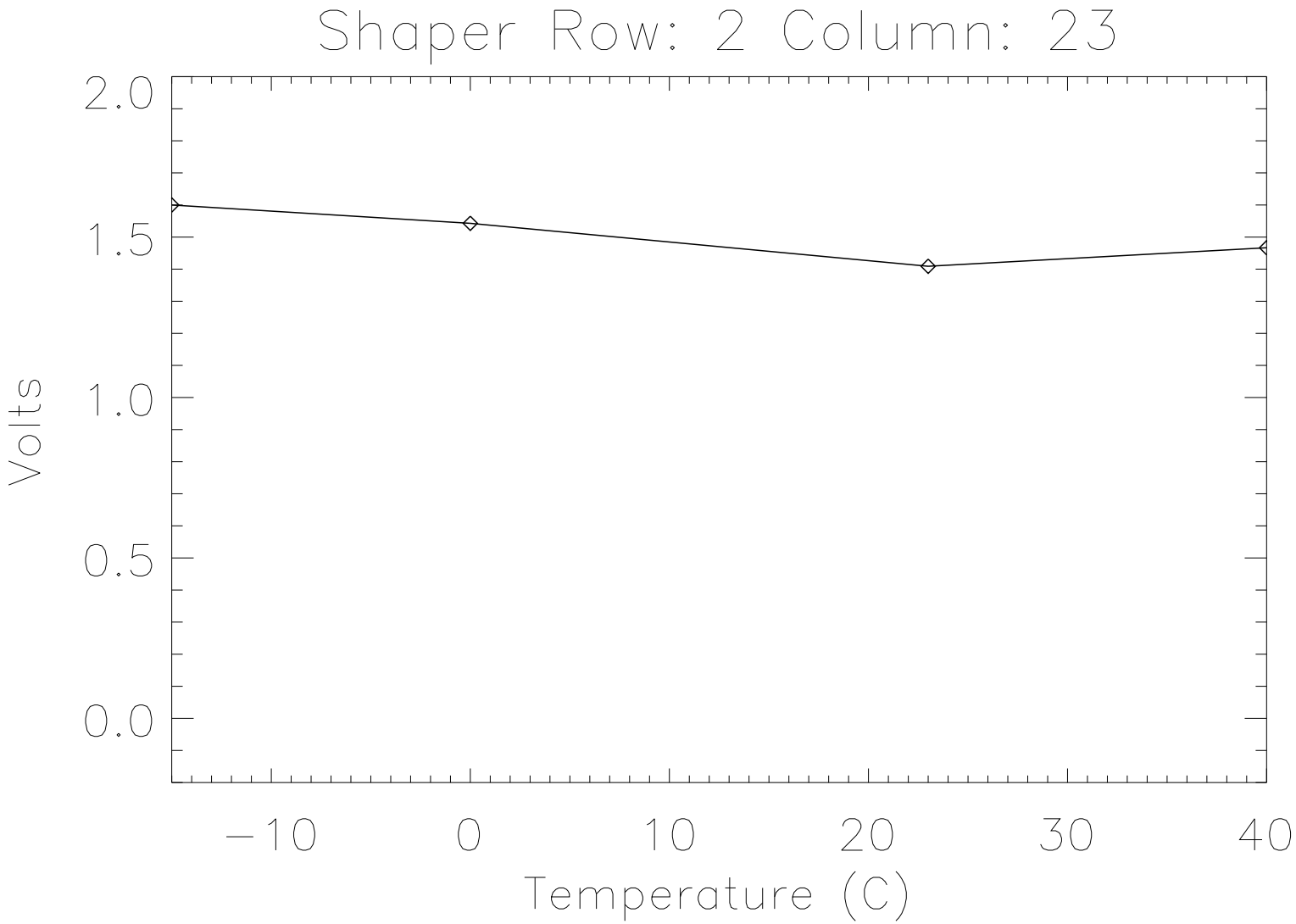

Leakage Row: 2 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

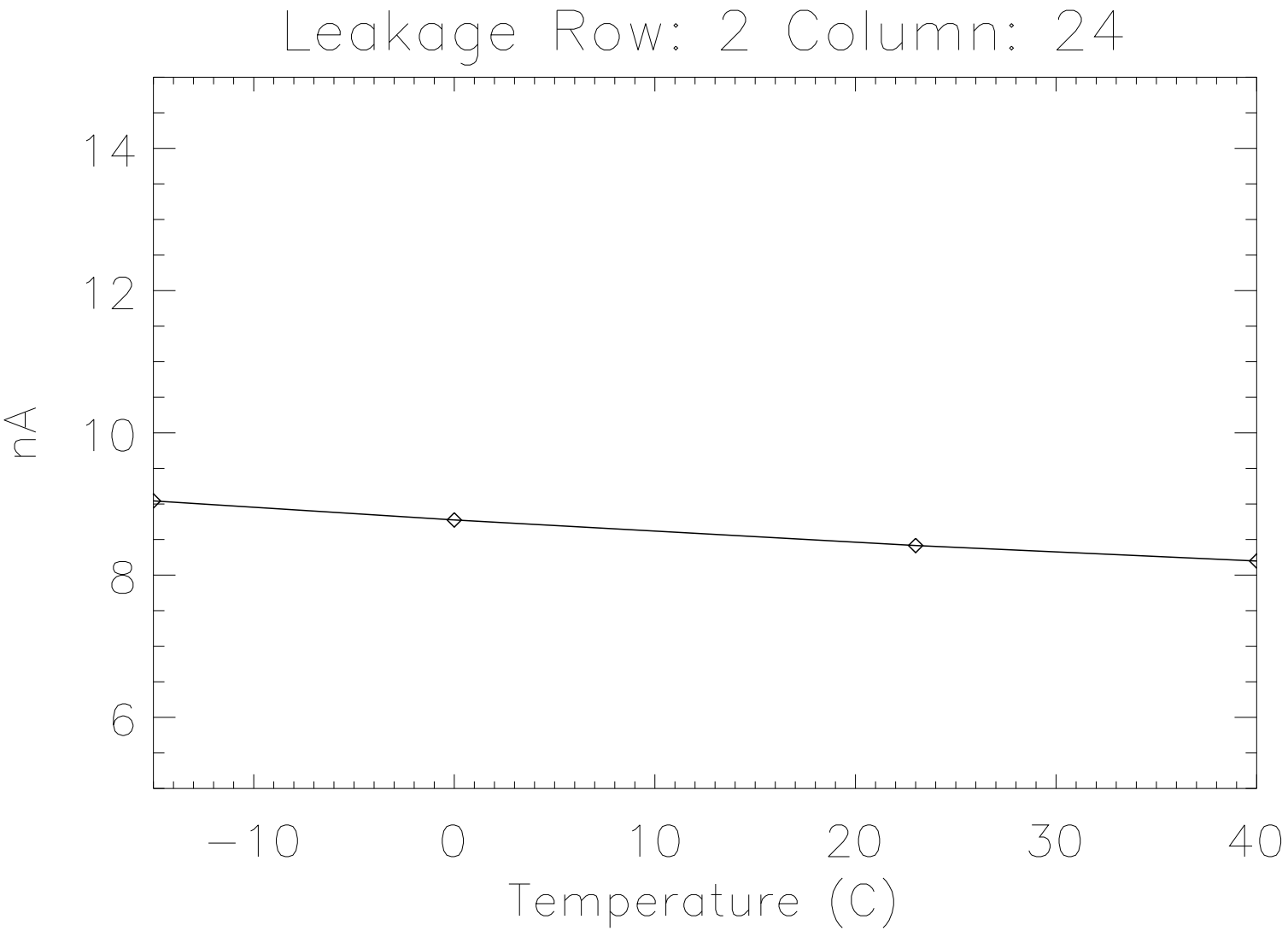

Preamp Row: 2 Column: 22
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

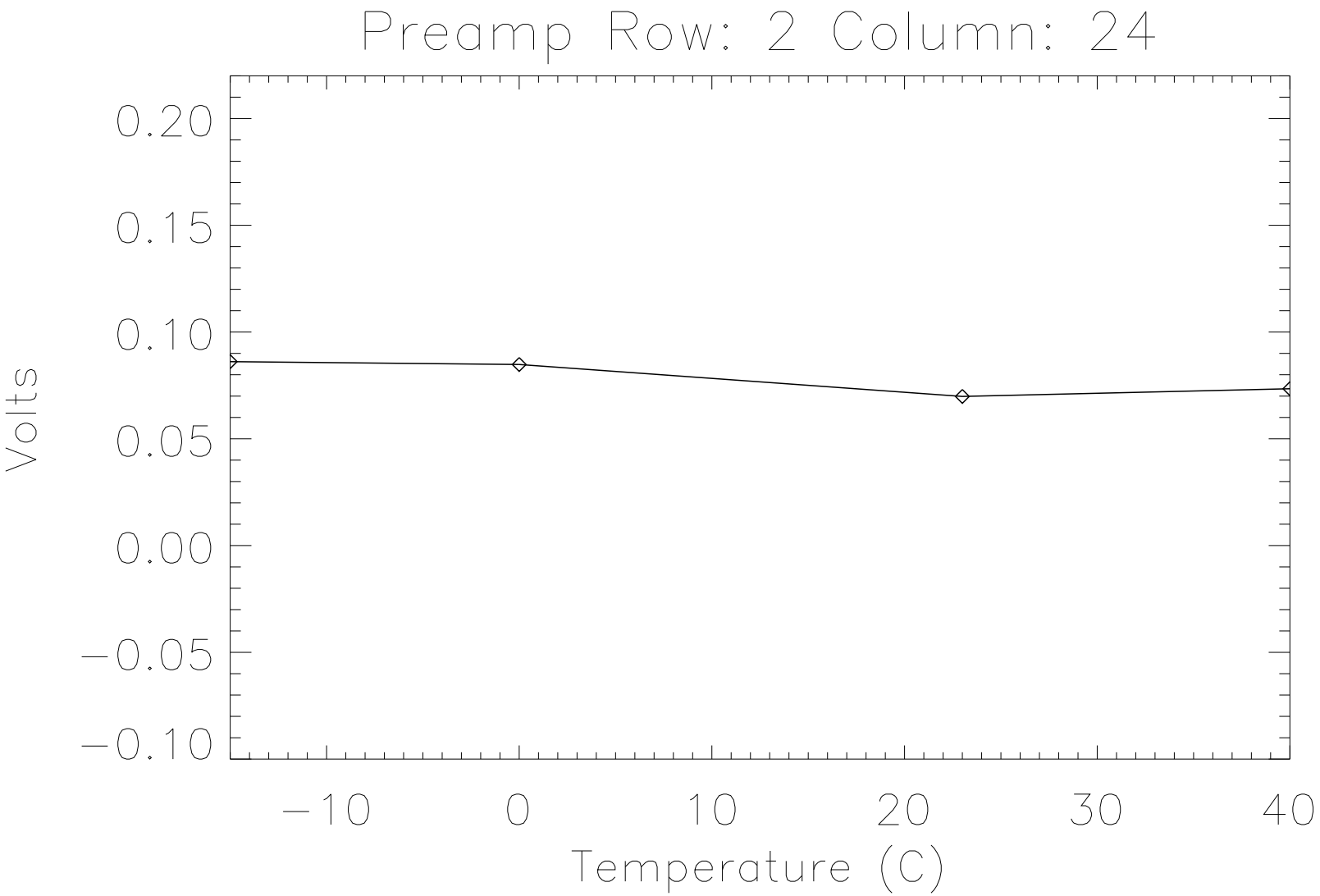

Shaper Row: 2 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

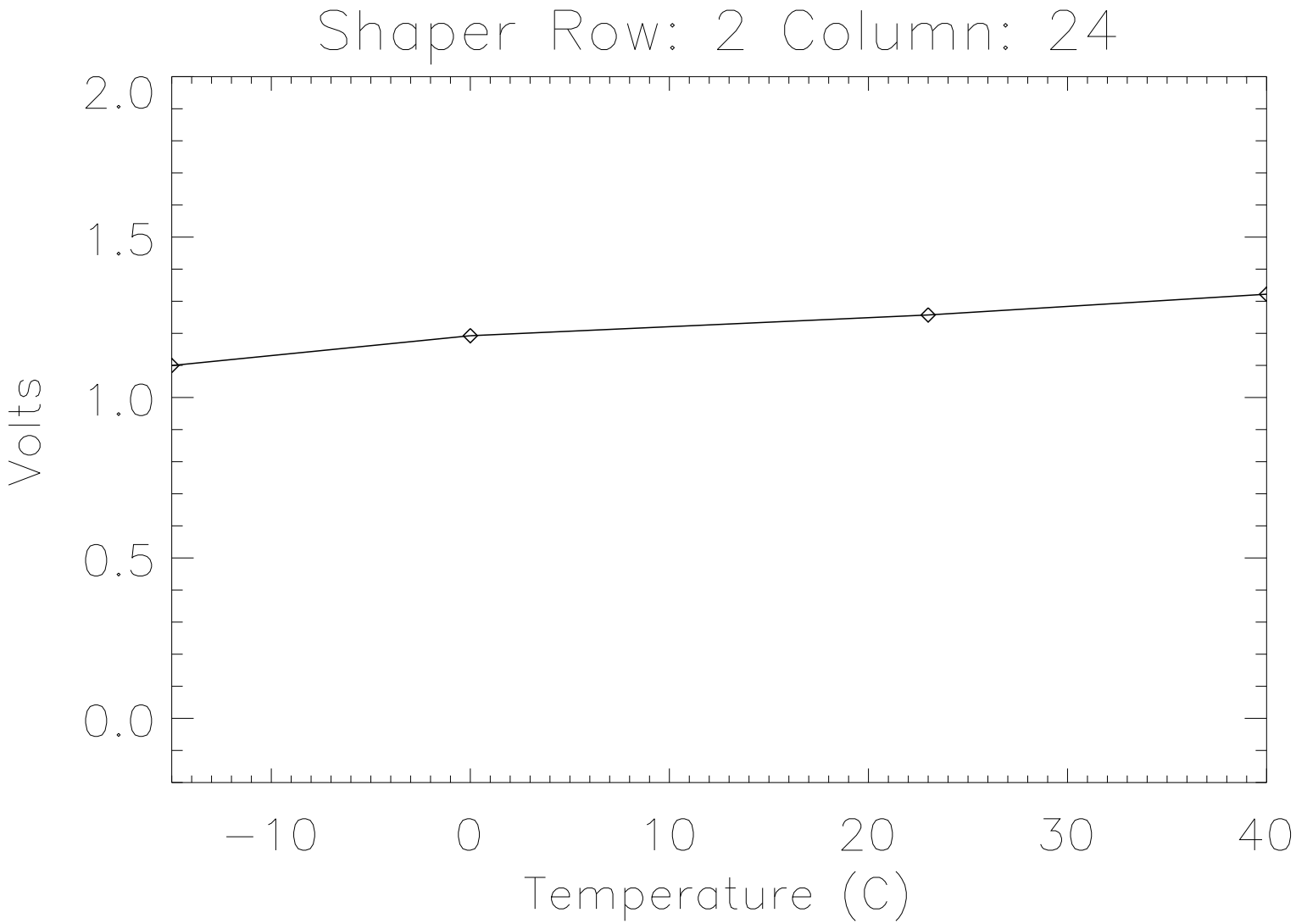

Leakage Row: 2 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

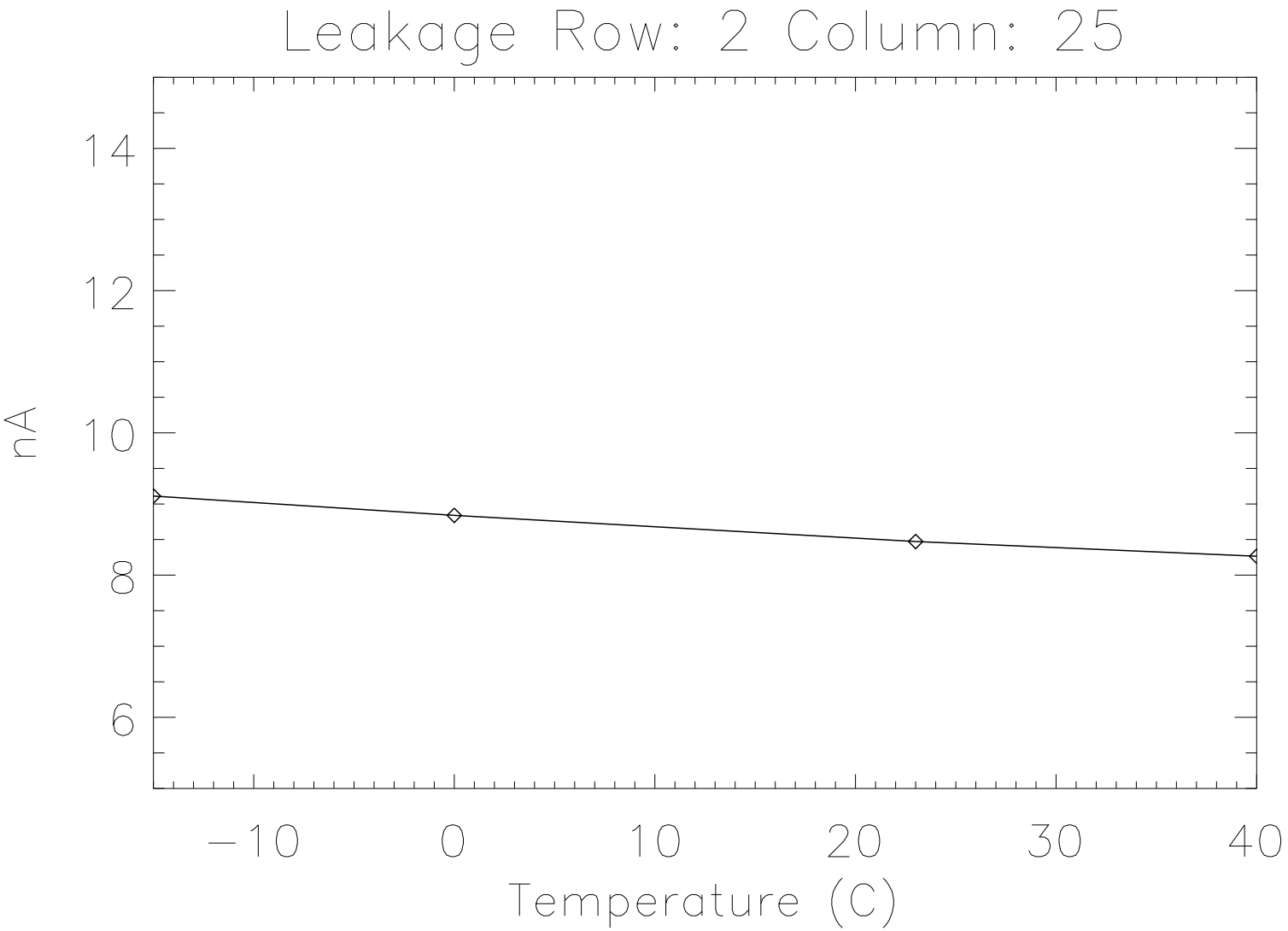

Preamp Row: 2 Column: 23
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

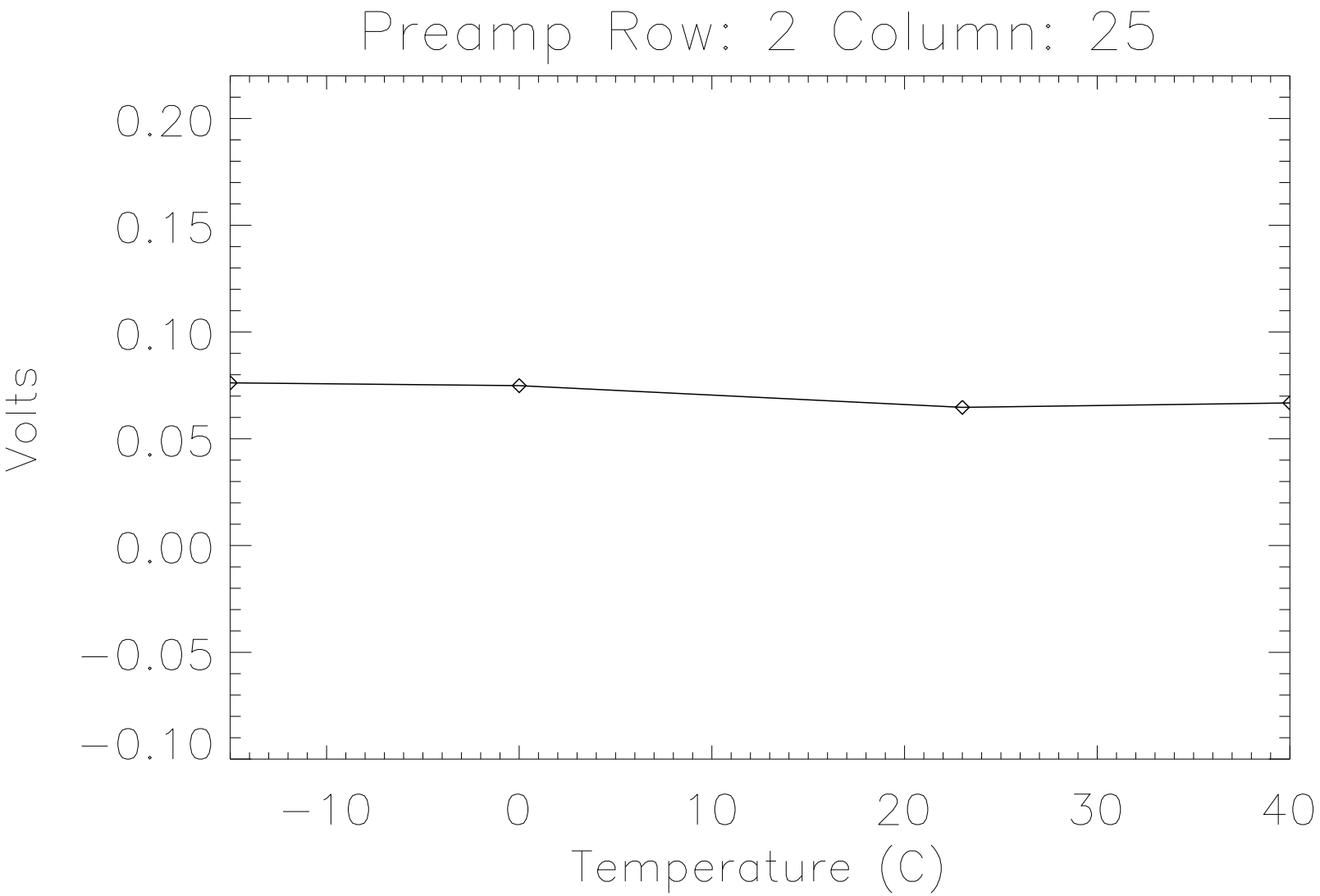

Shaper Row: 2 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

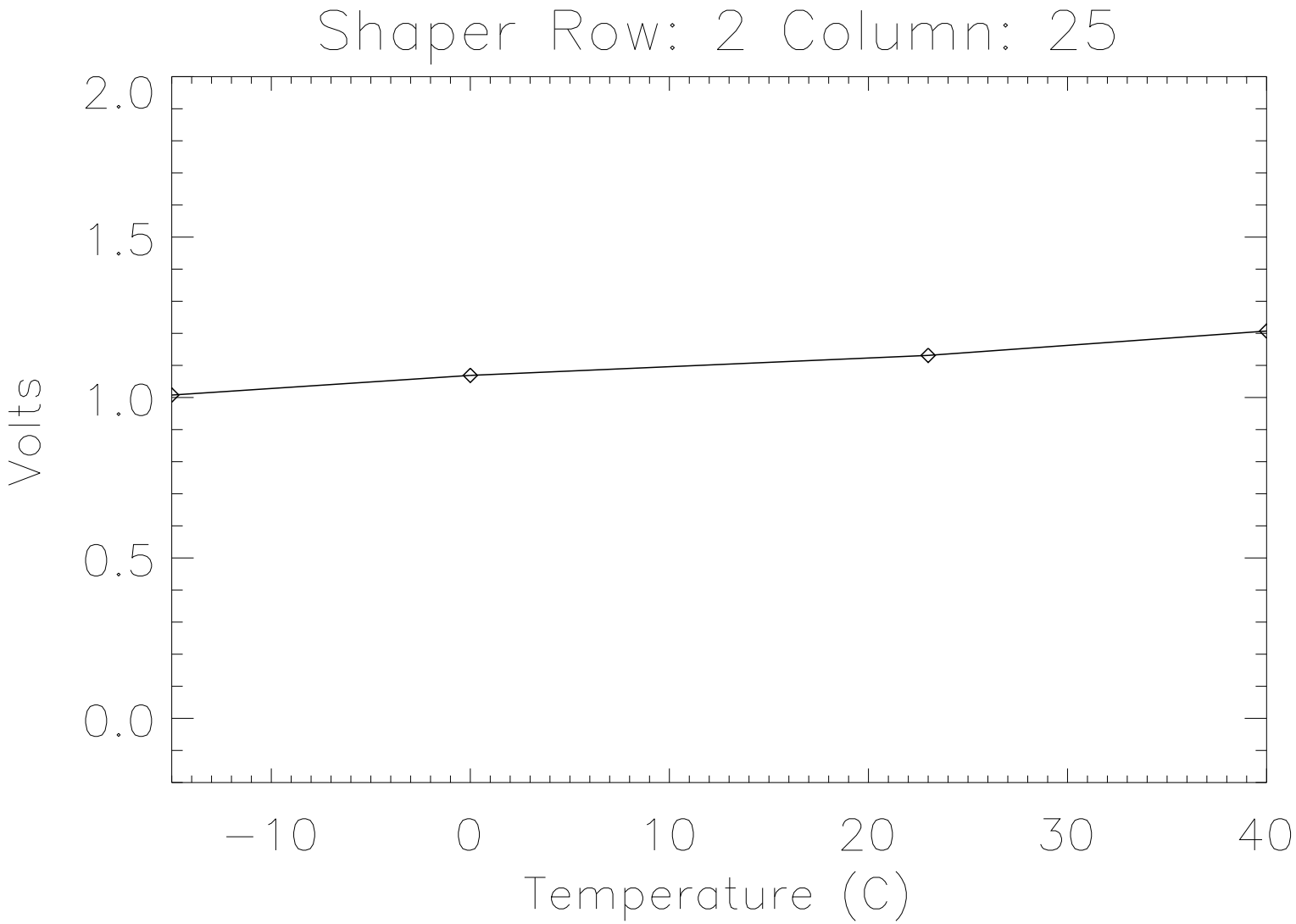

Leakage Row: 2 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

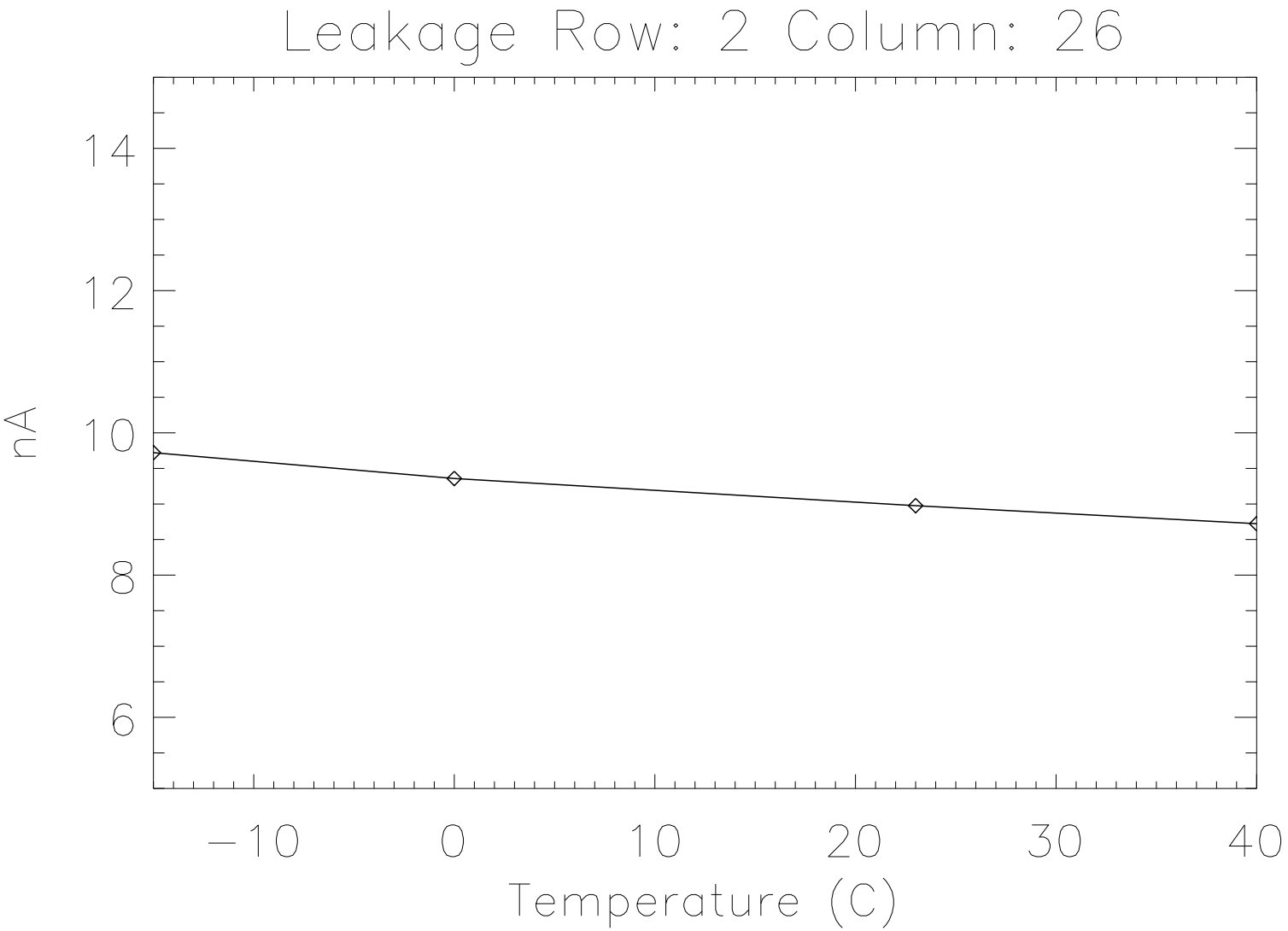

Preamp Row: 2 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

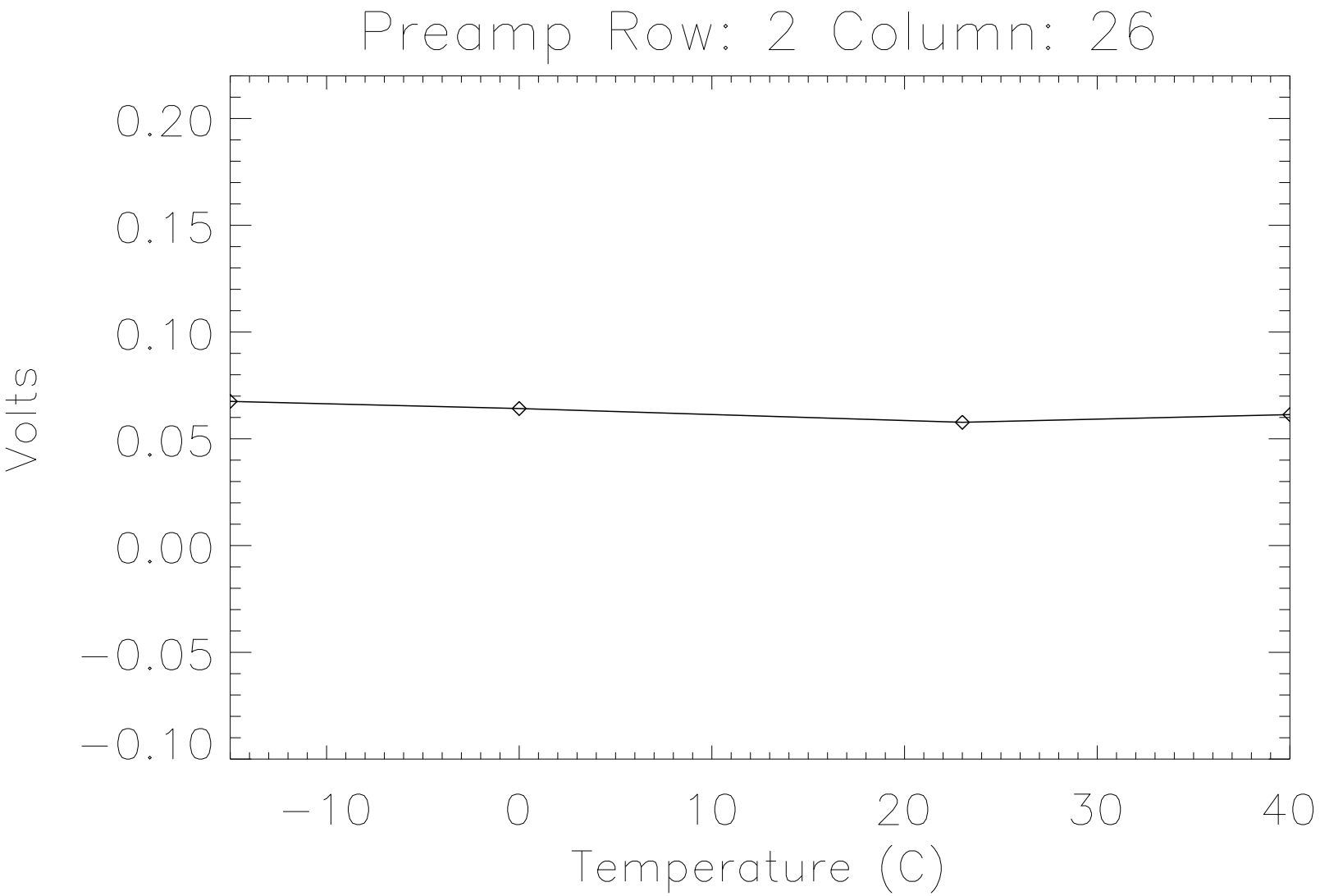

Shaper Row: 2 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

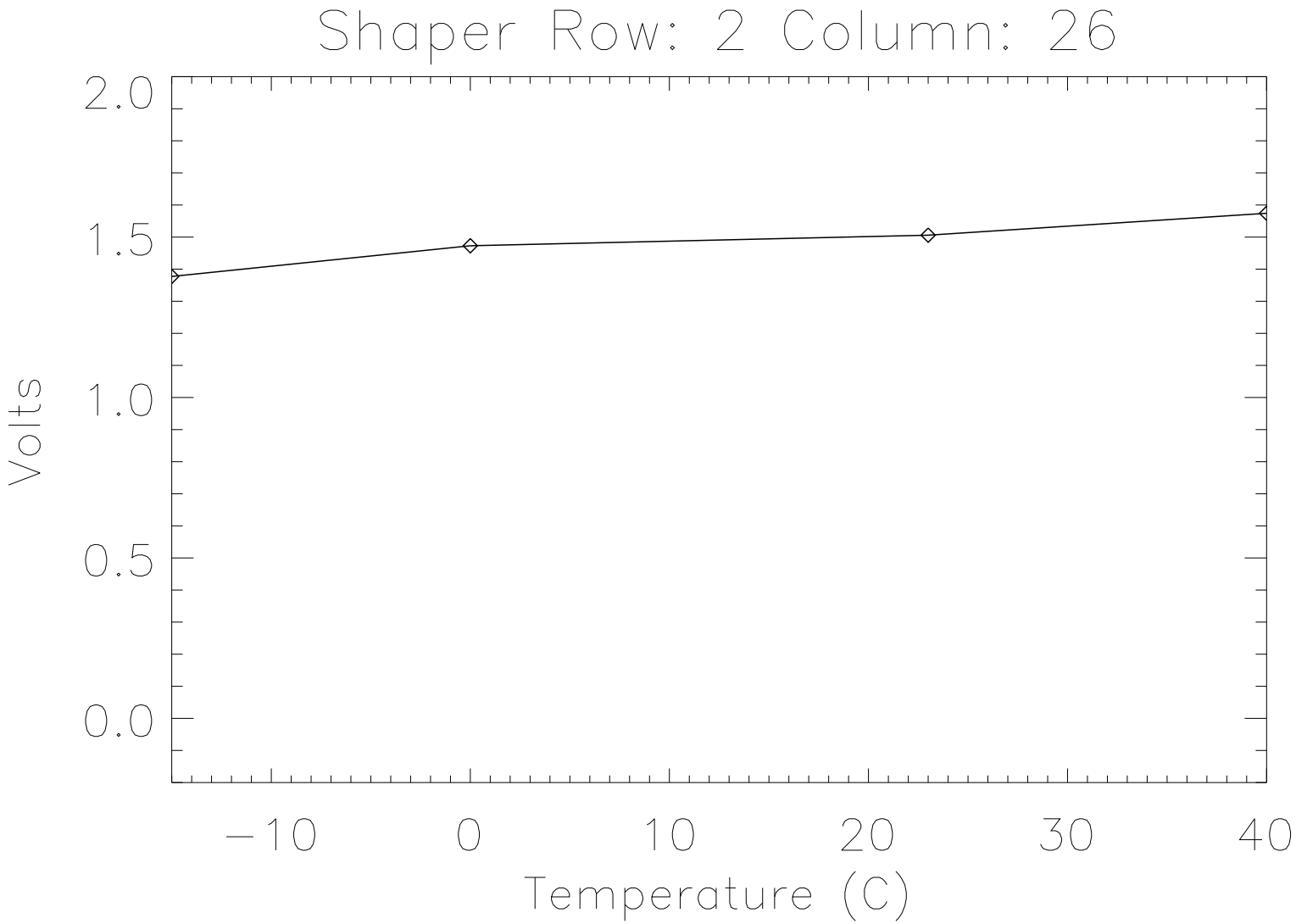

Leakage Row: 2 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

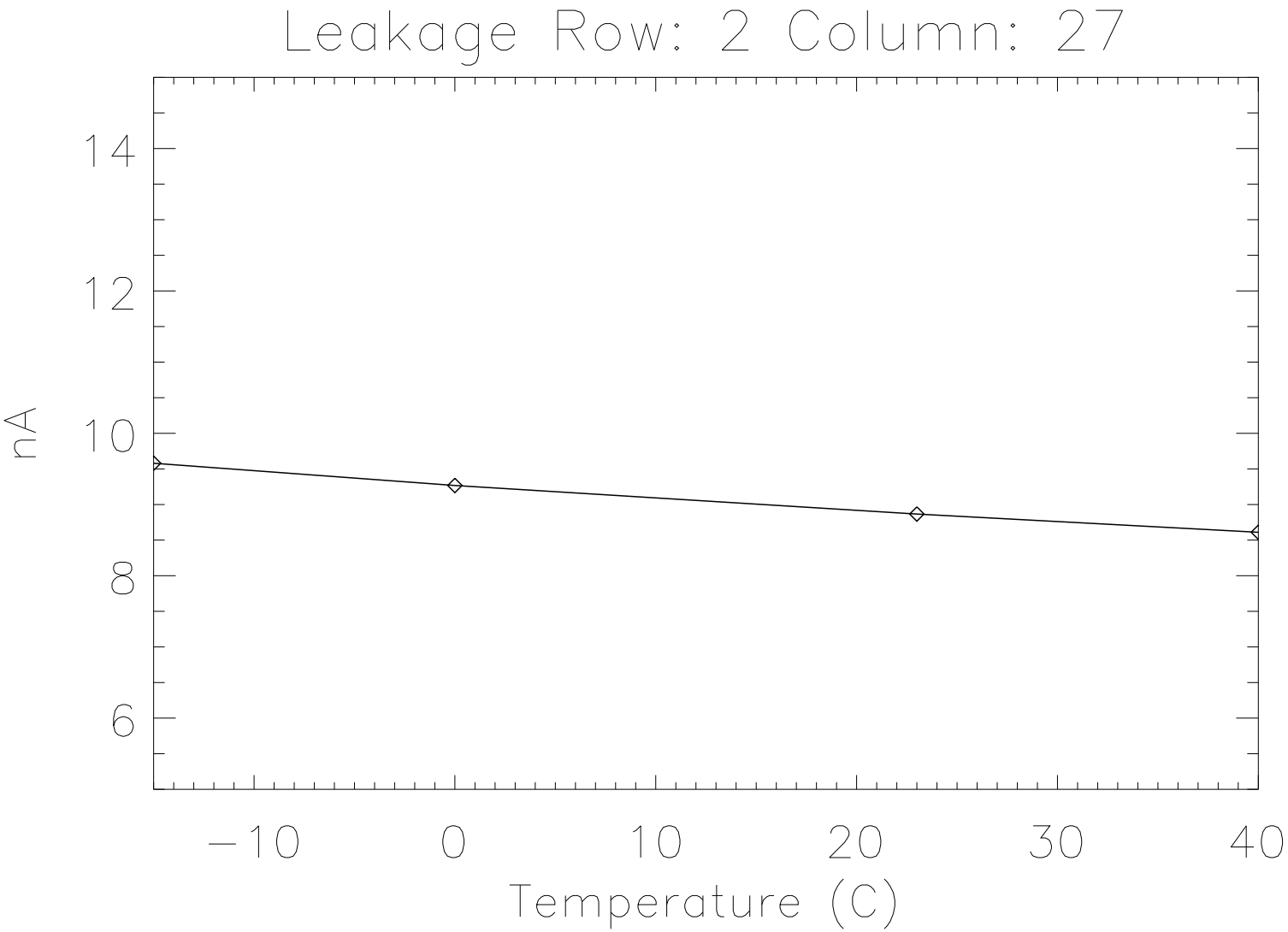

Preamp Row: 2 Column: 25
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

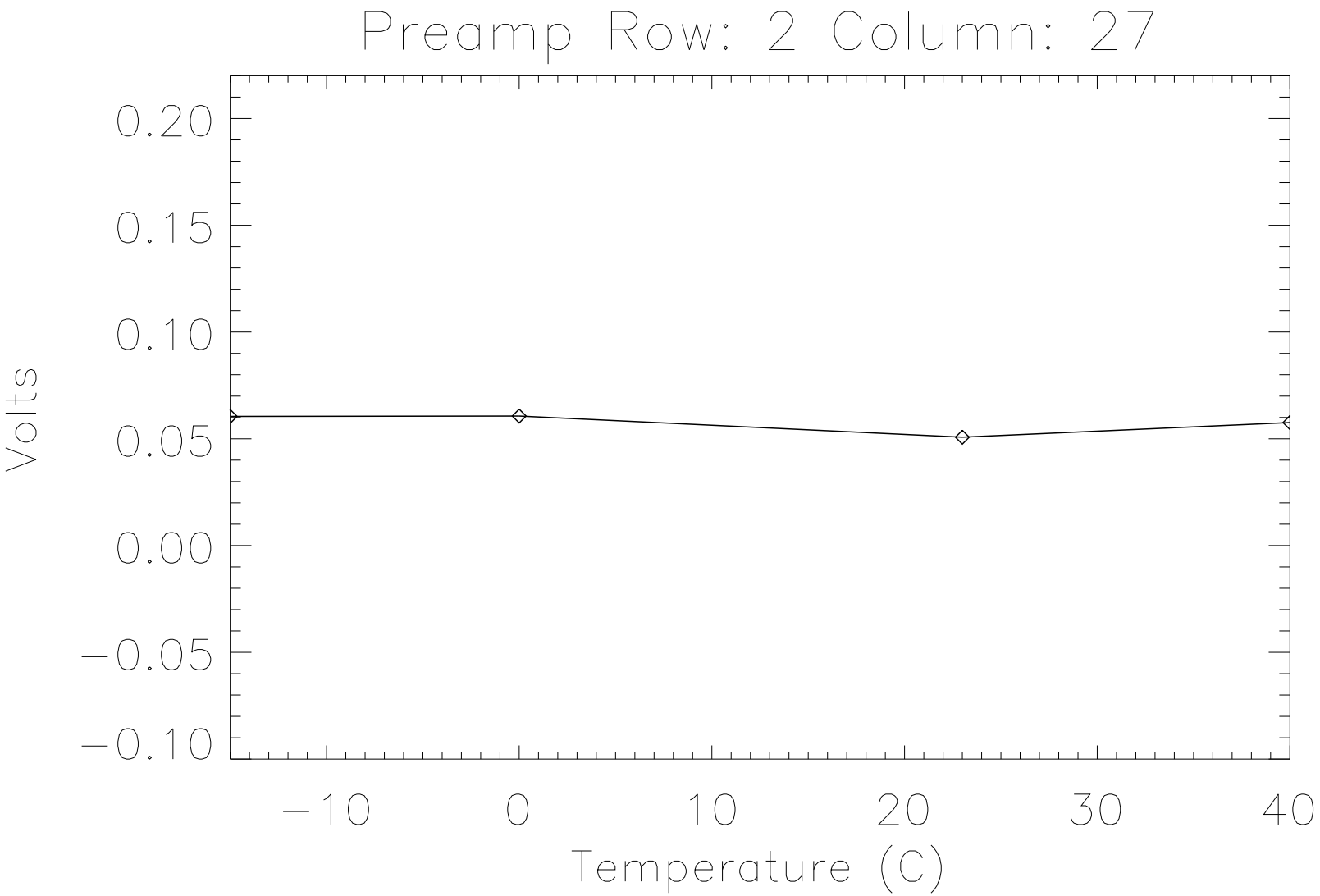

Shaper Row: 2 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

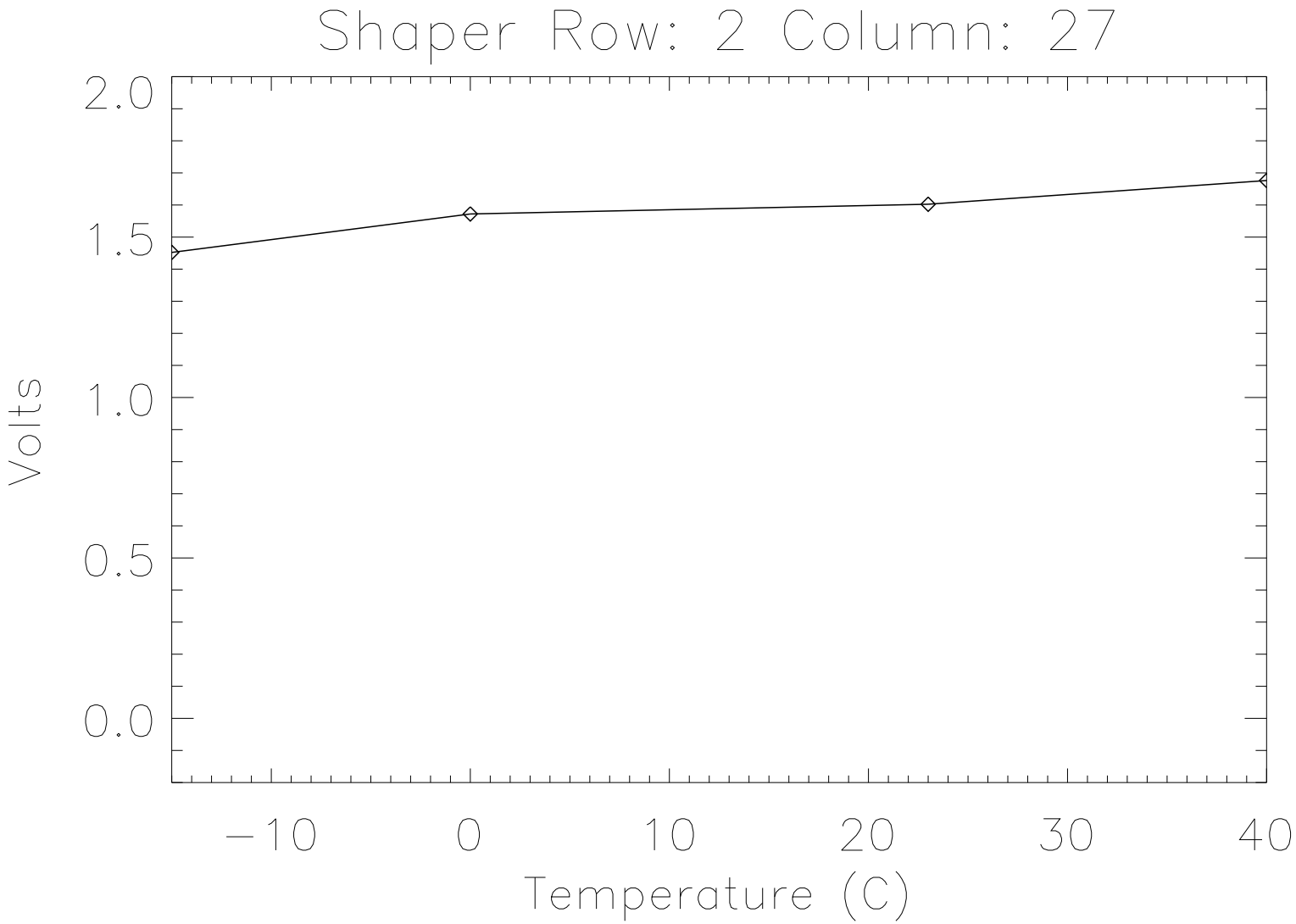

Leakage Row: 2 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

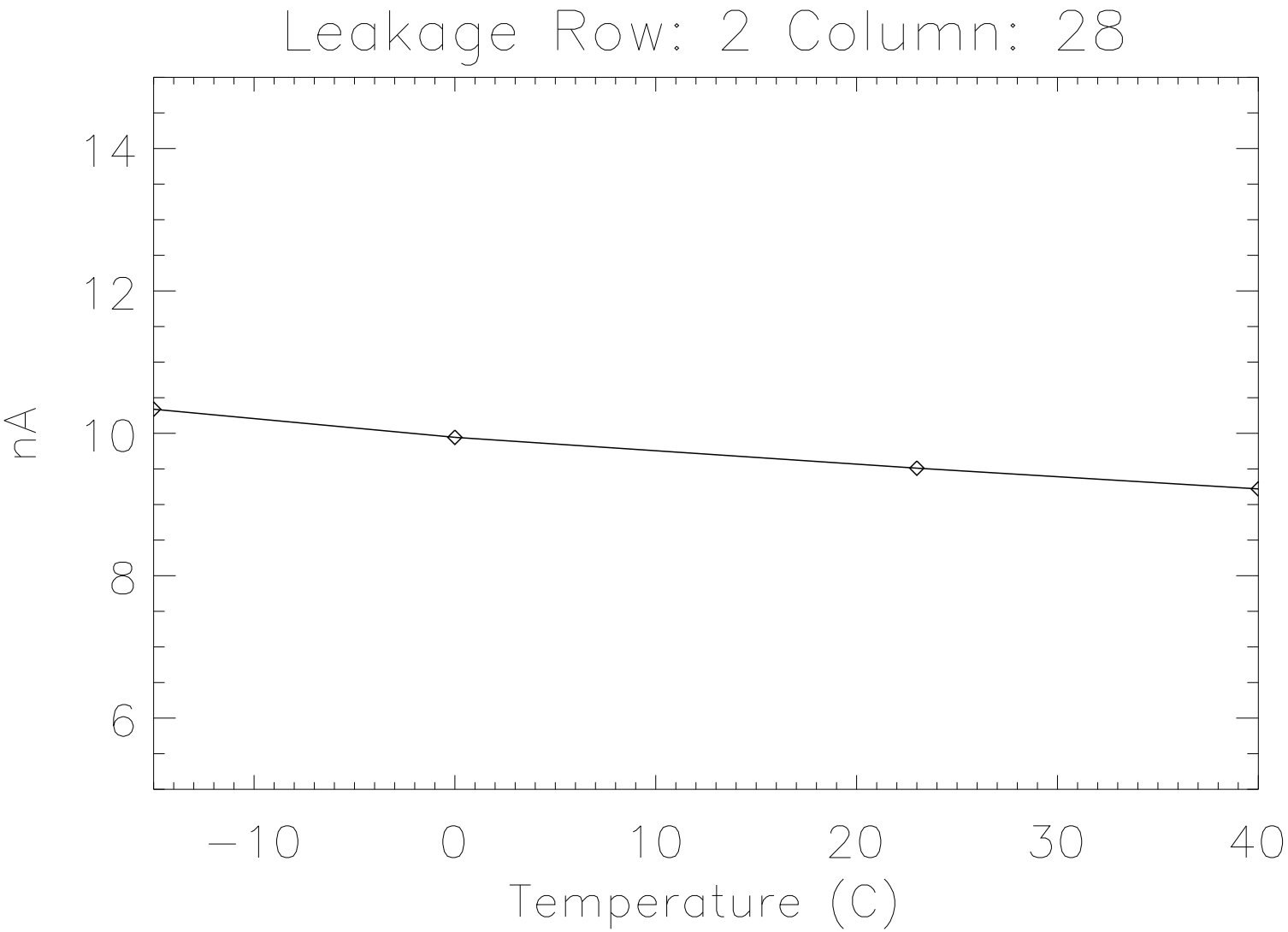

Preamp Row: 2 Column: 26
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

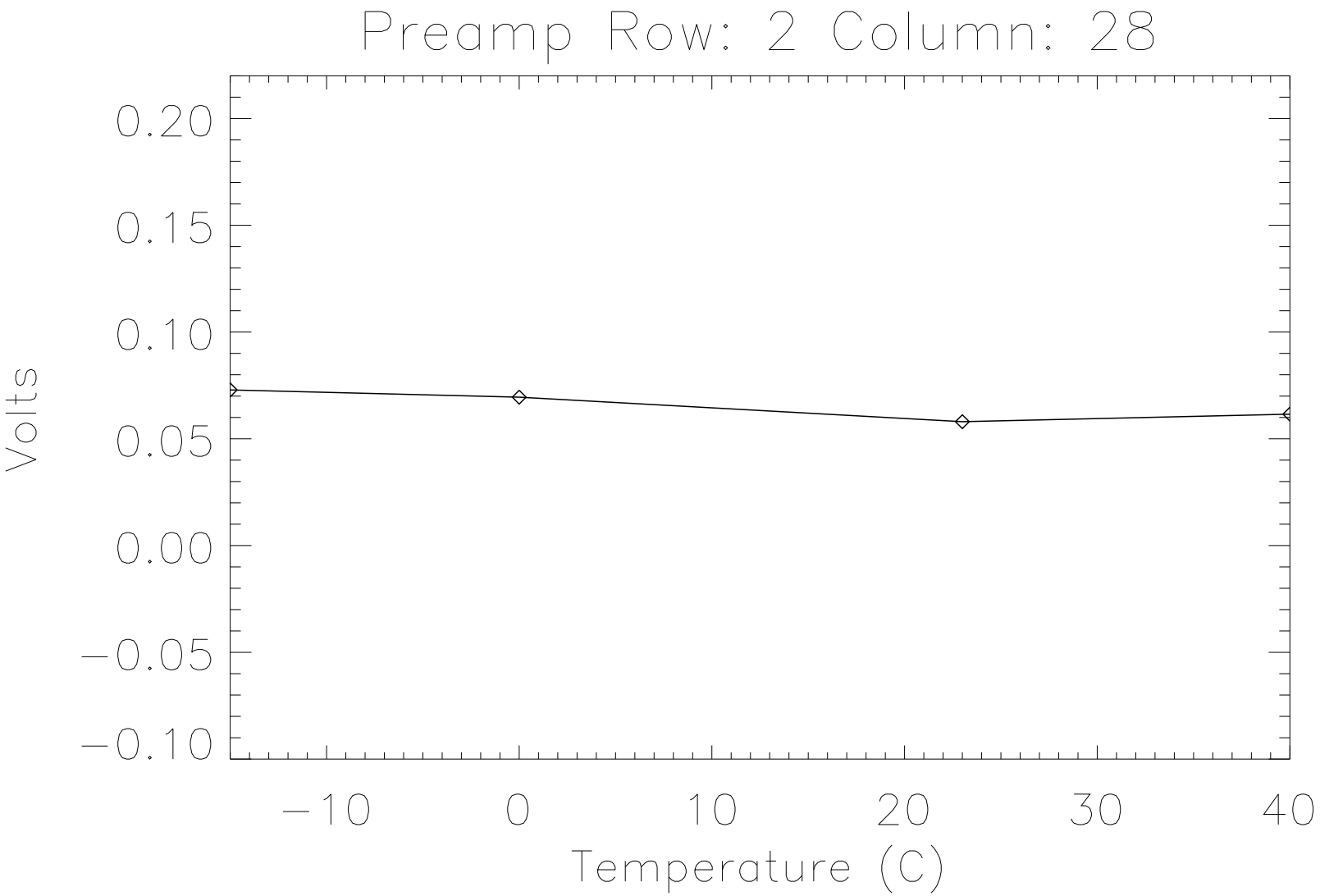

Shaper Row: 2 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

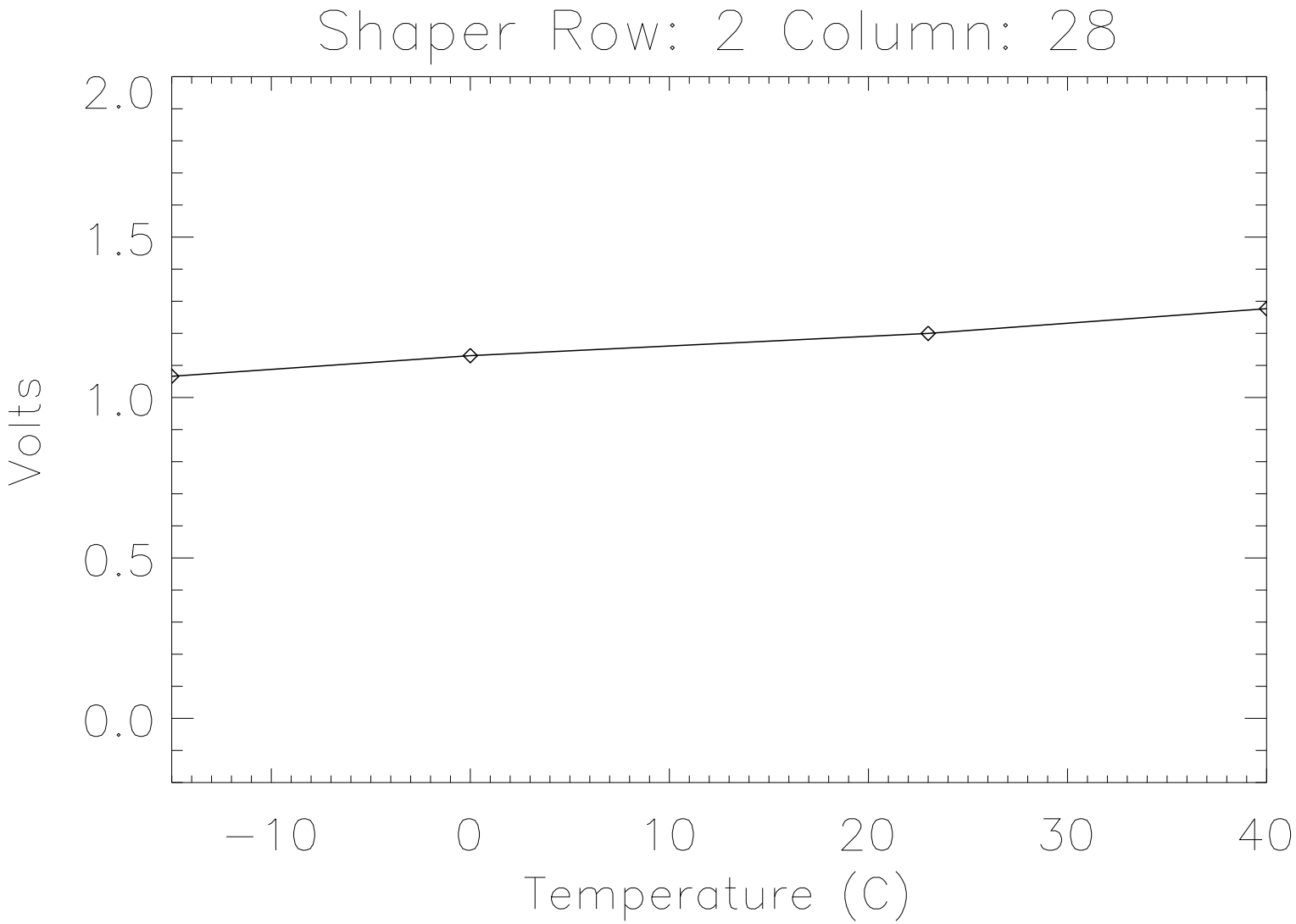

Leakage Row: 2 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

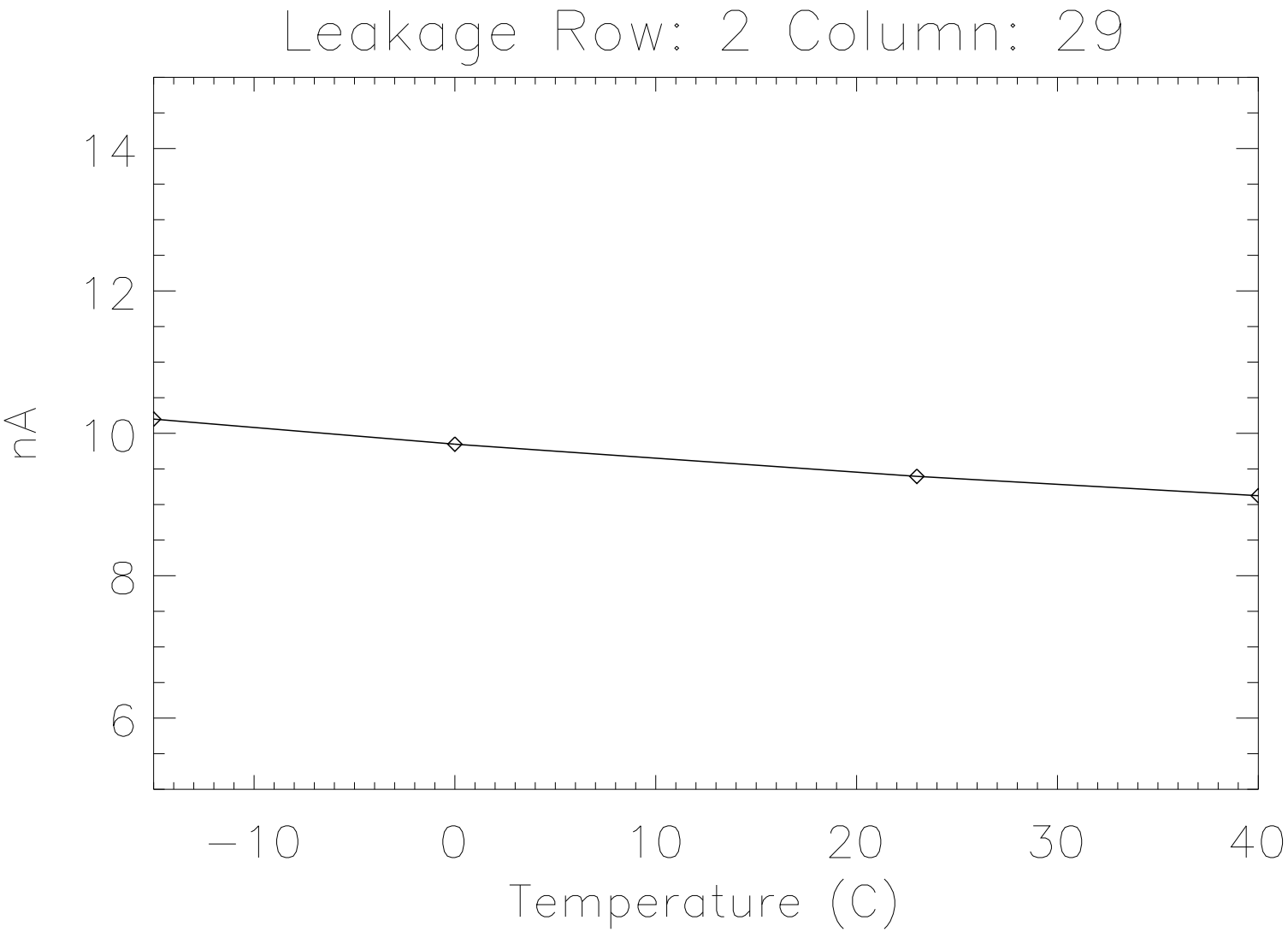

Preamp Row: 2 Column: 27
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

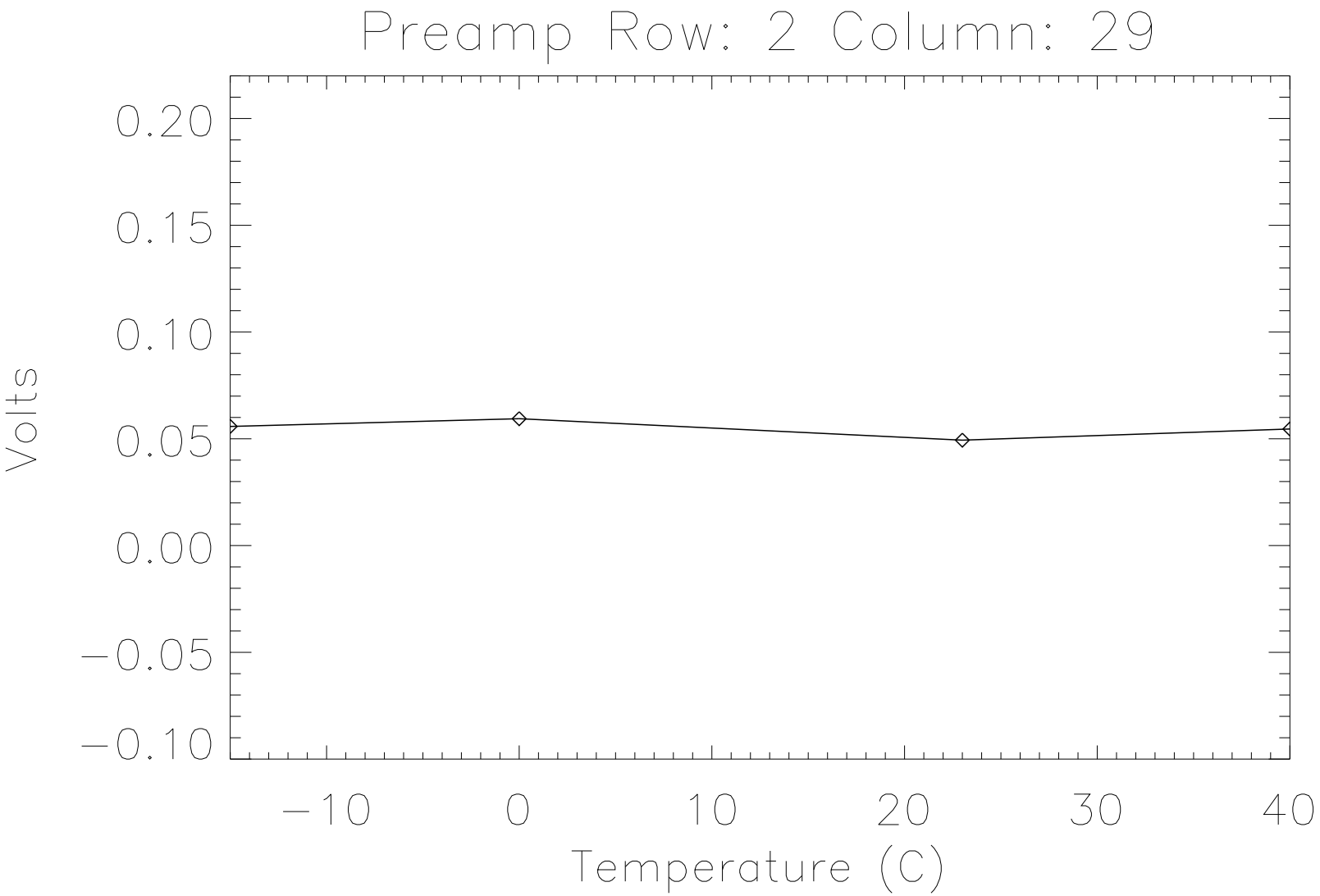

Shaper Row: 2 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

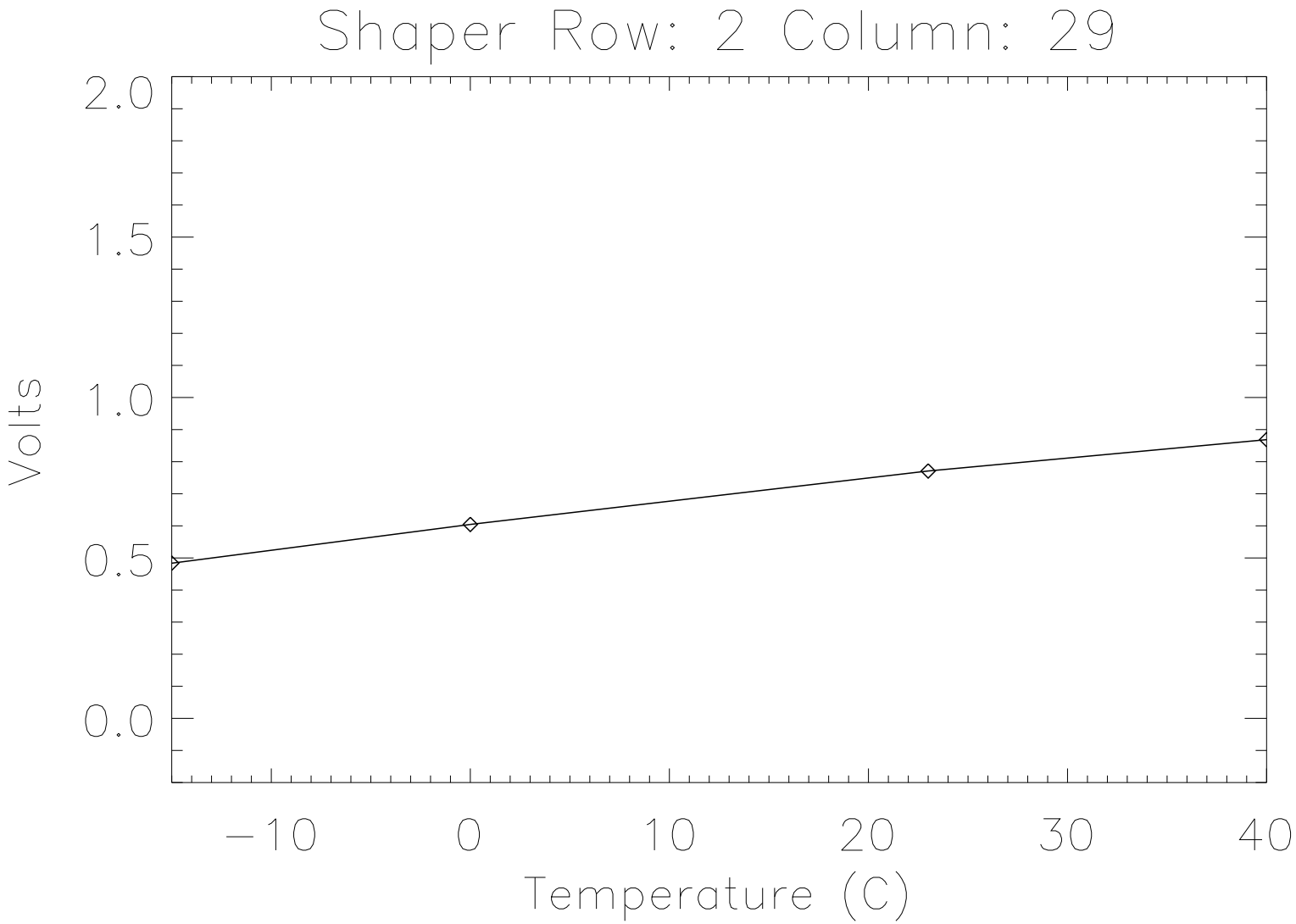

Leakage Row: 2 Column: 28
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

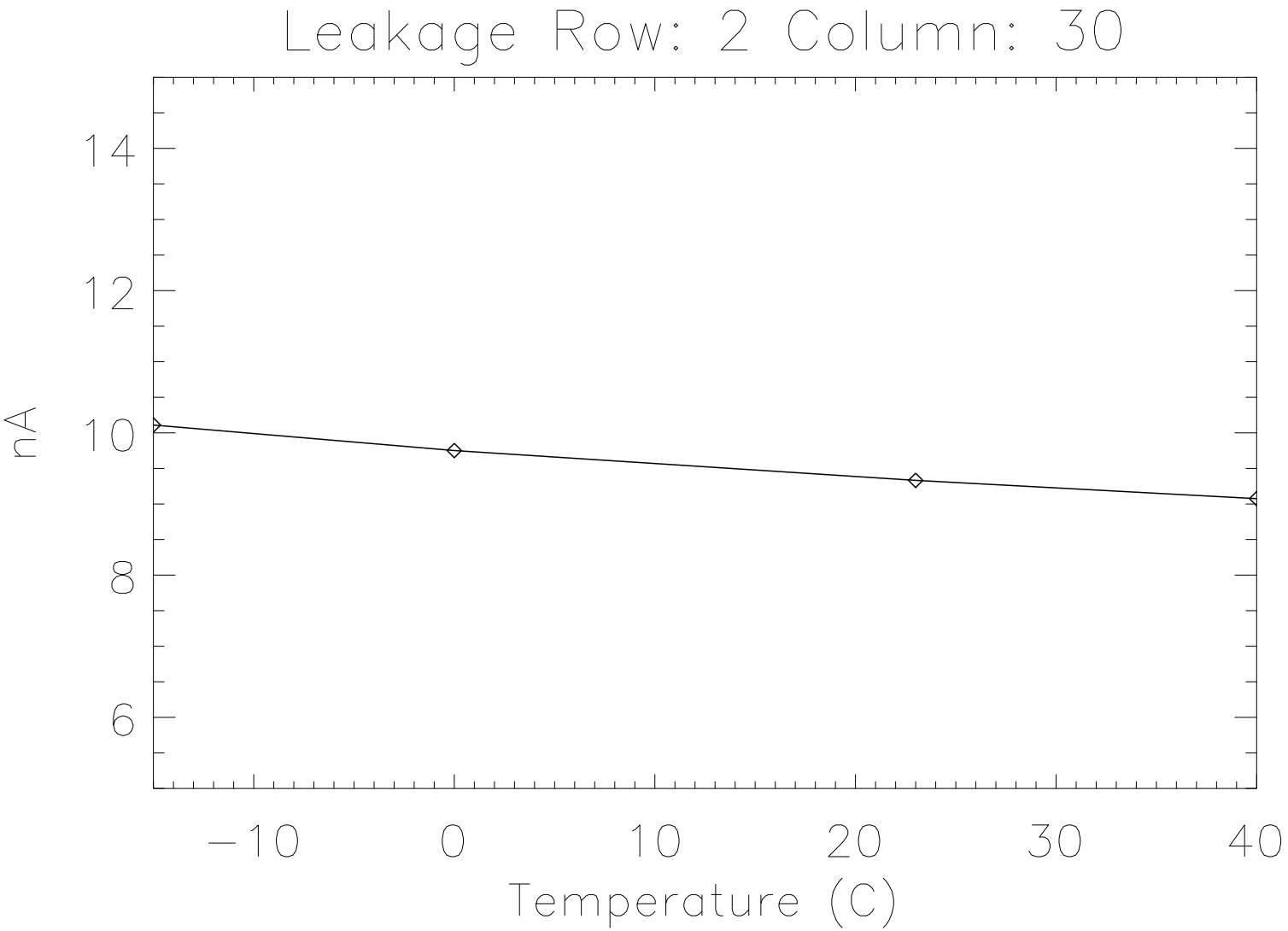

Preamp Row: 2 Column: 28
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

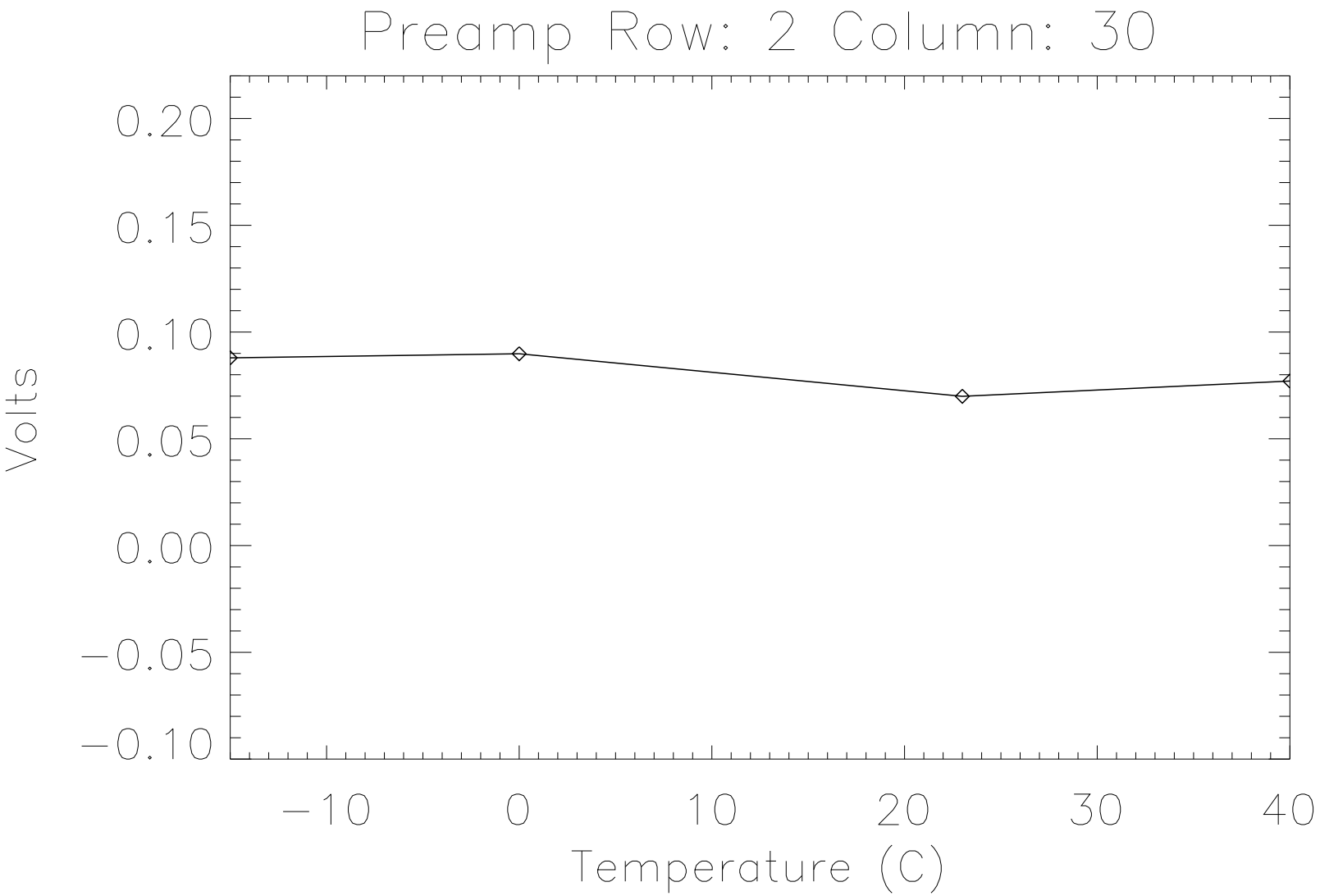

Shaper Row: 2 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

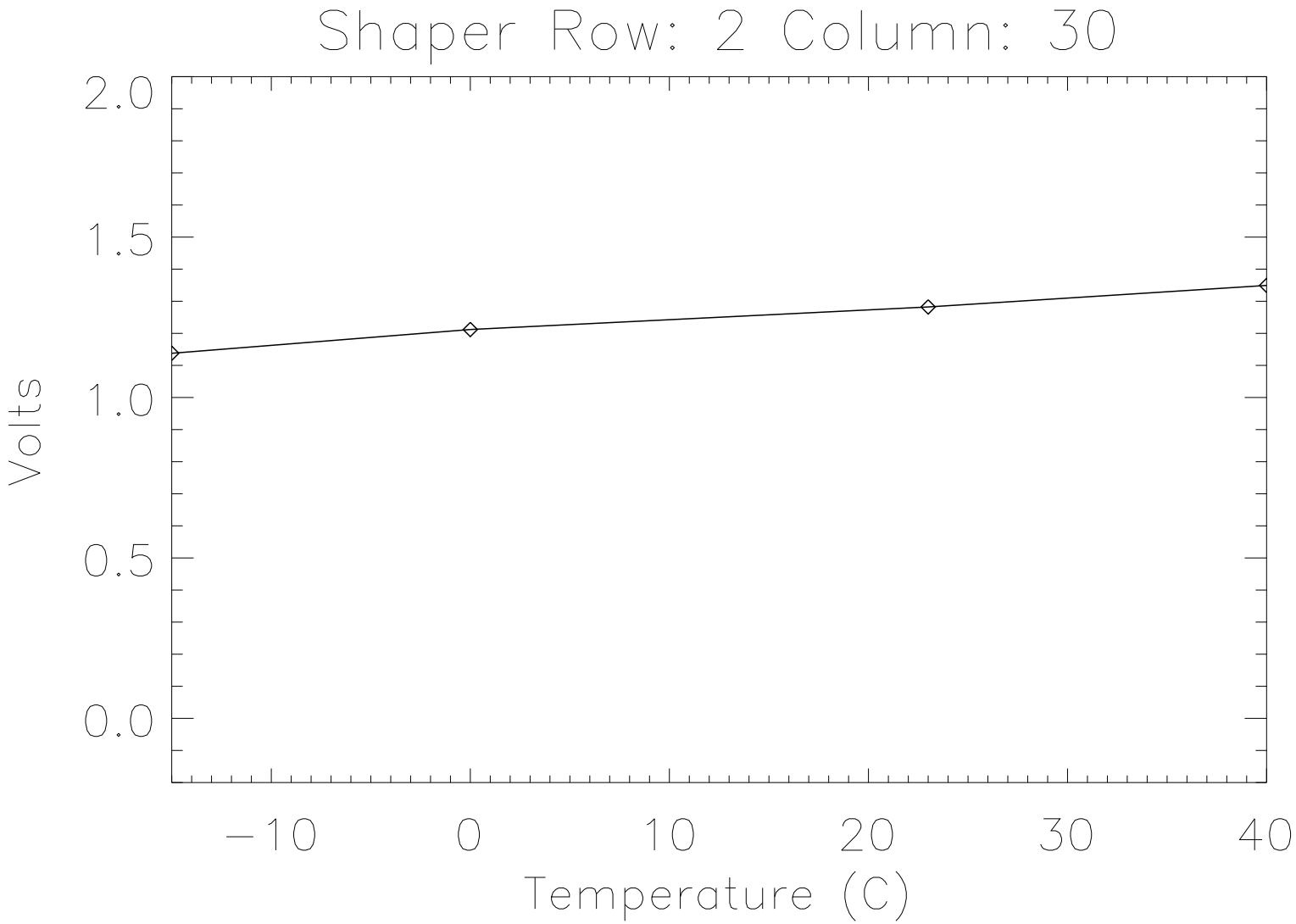

Leakage Row: 2 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

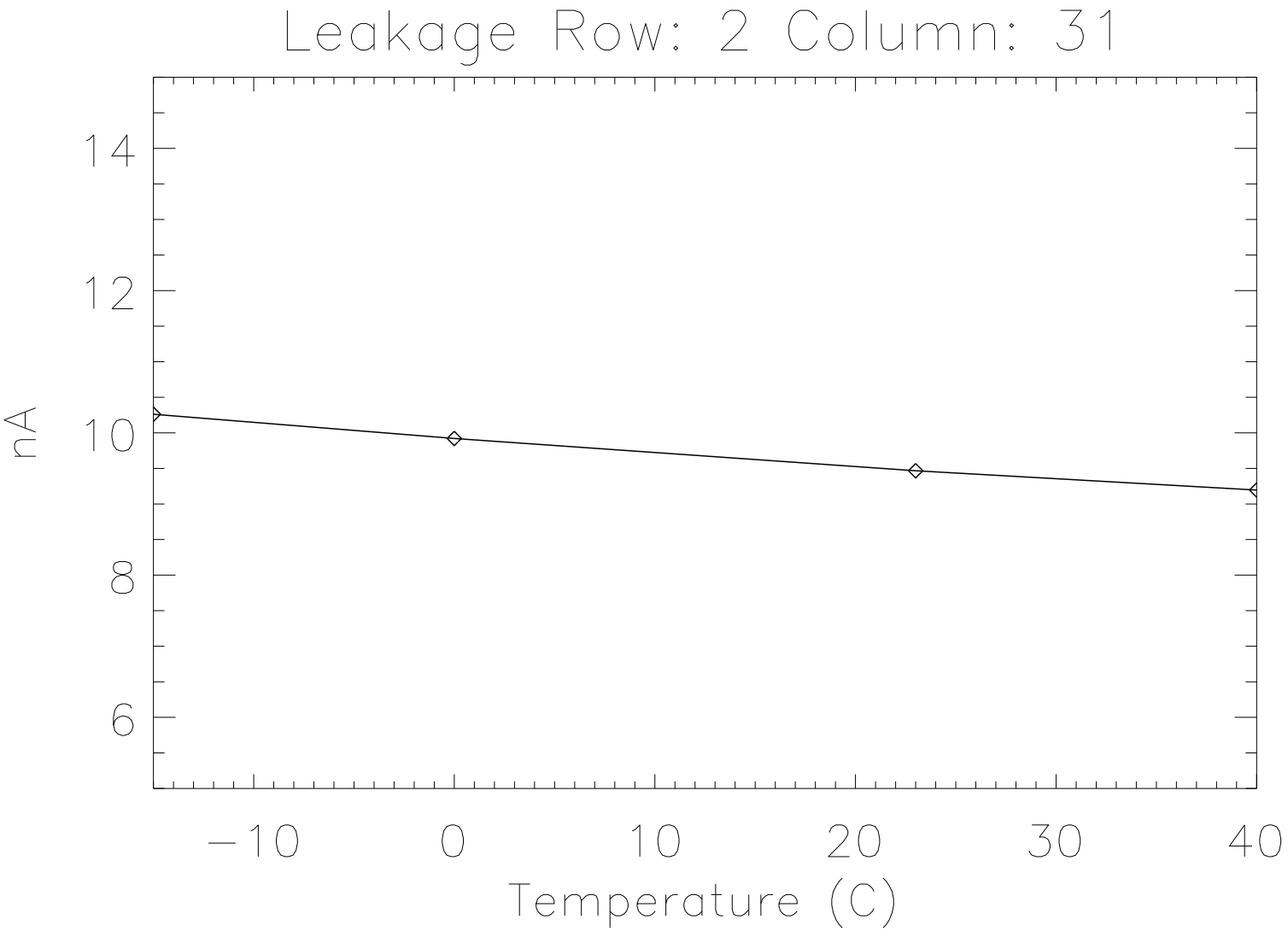

Preamp Row: 2 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 2 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 2 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 2 Column: 30
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 2 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 2 Column: 31
nA
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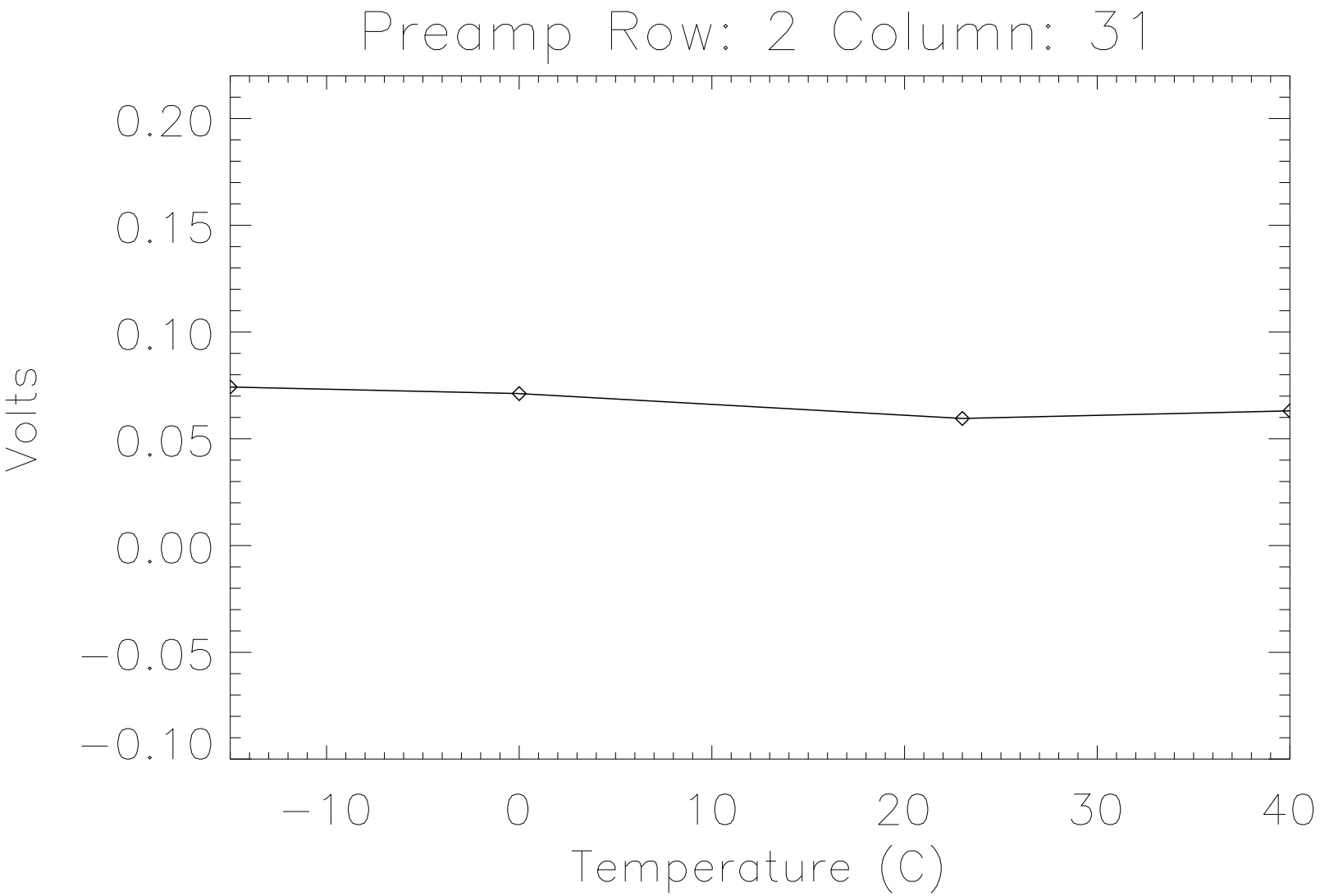
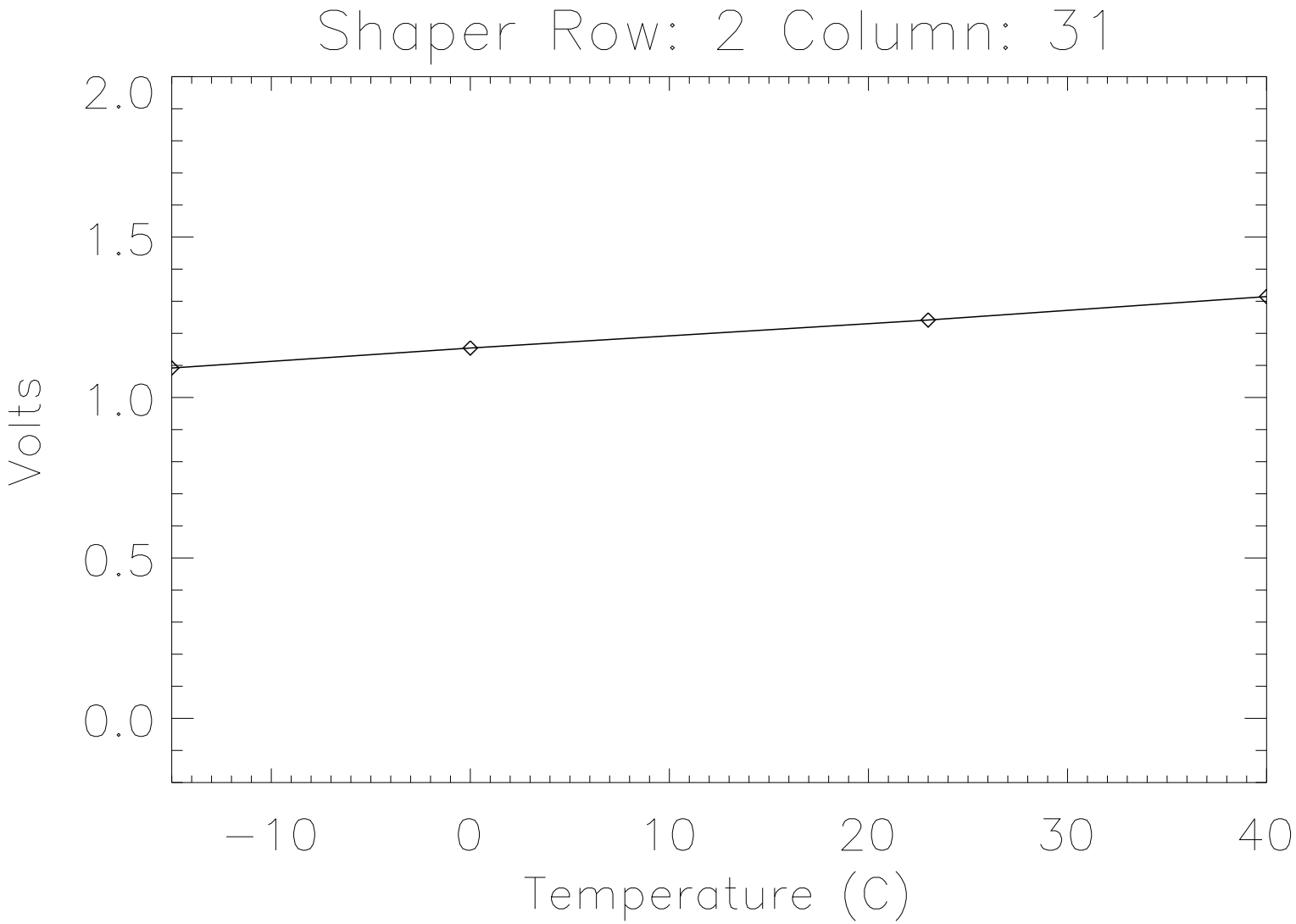
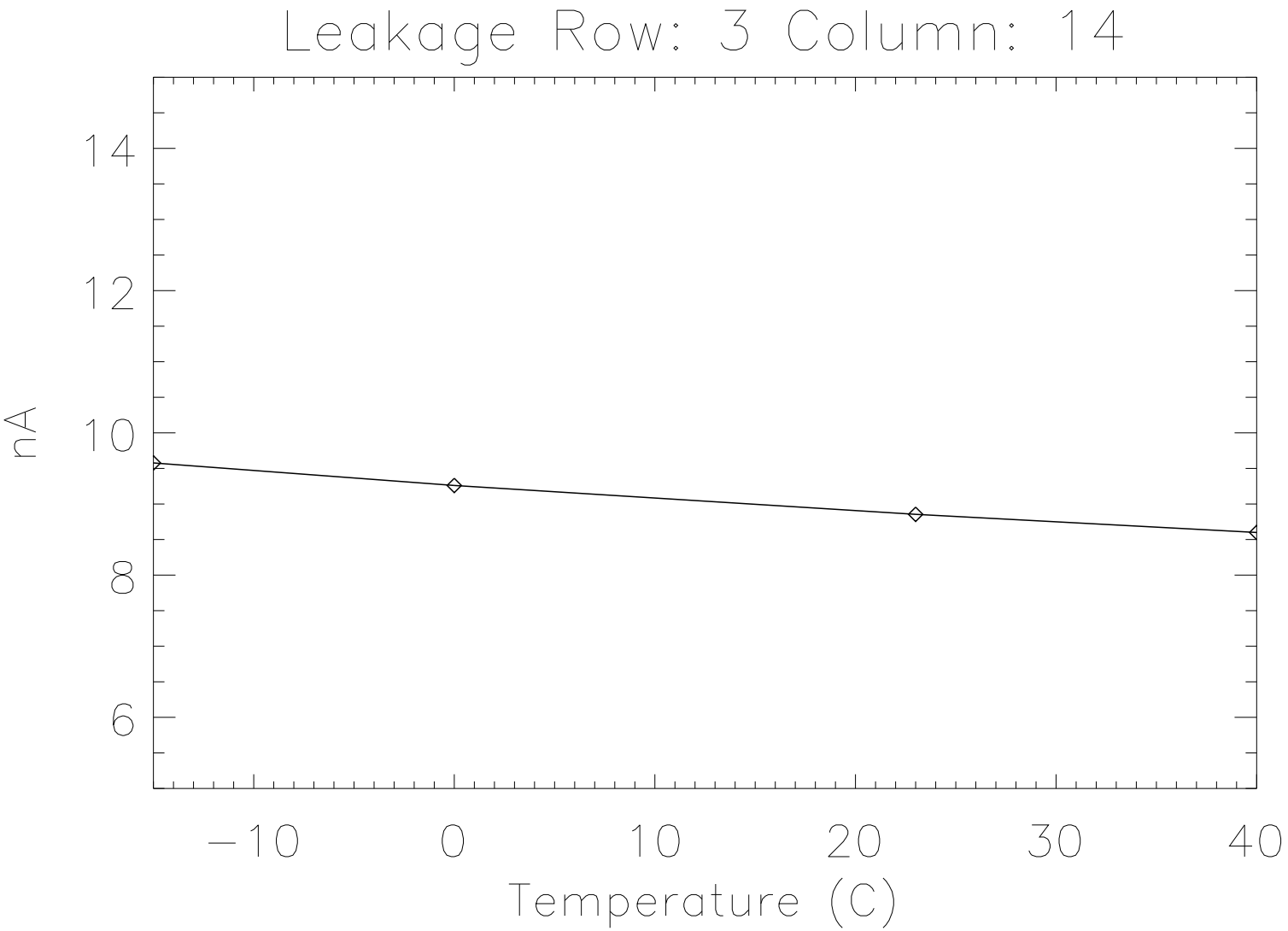
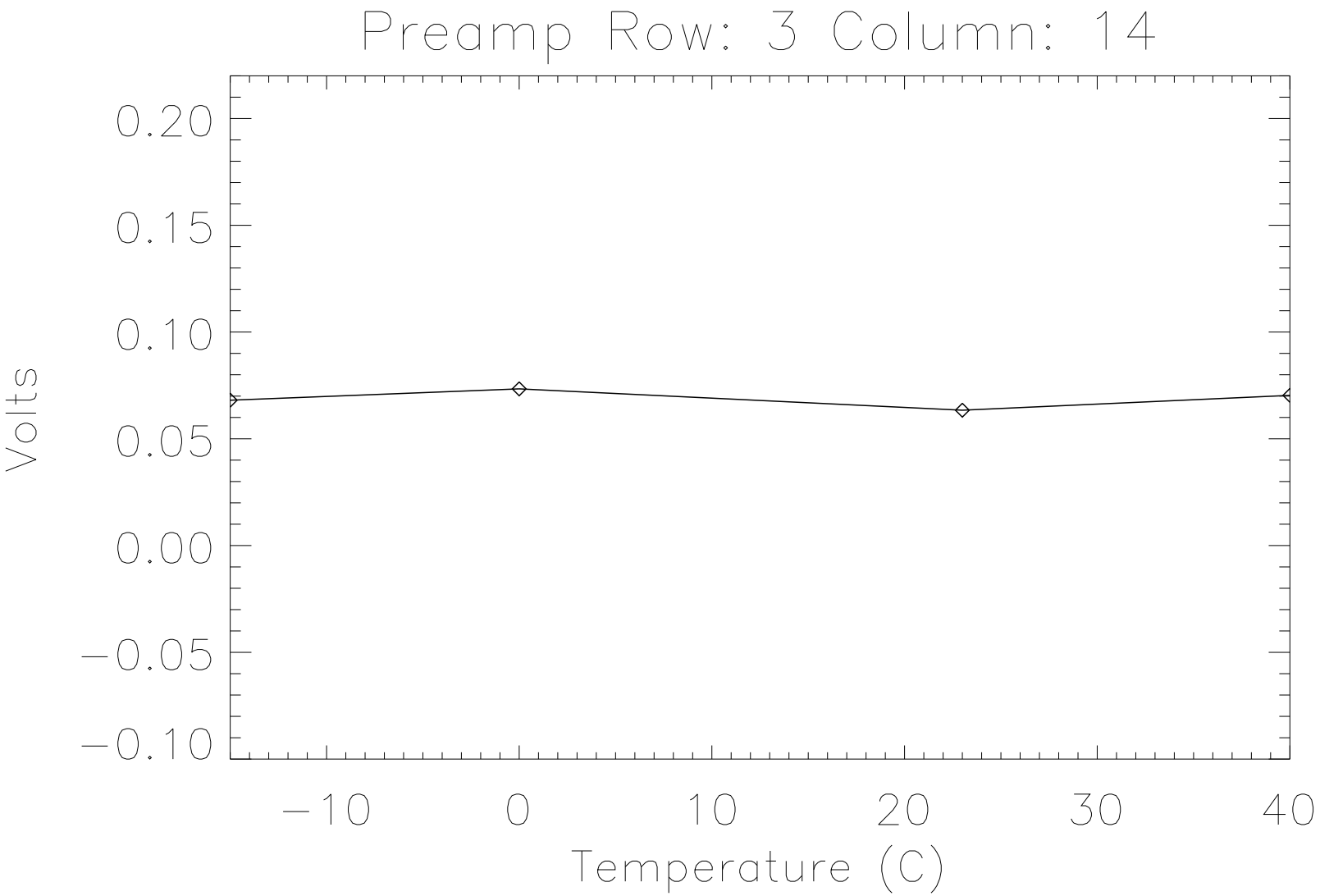
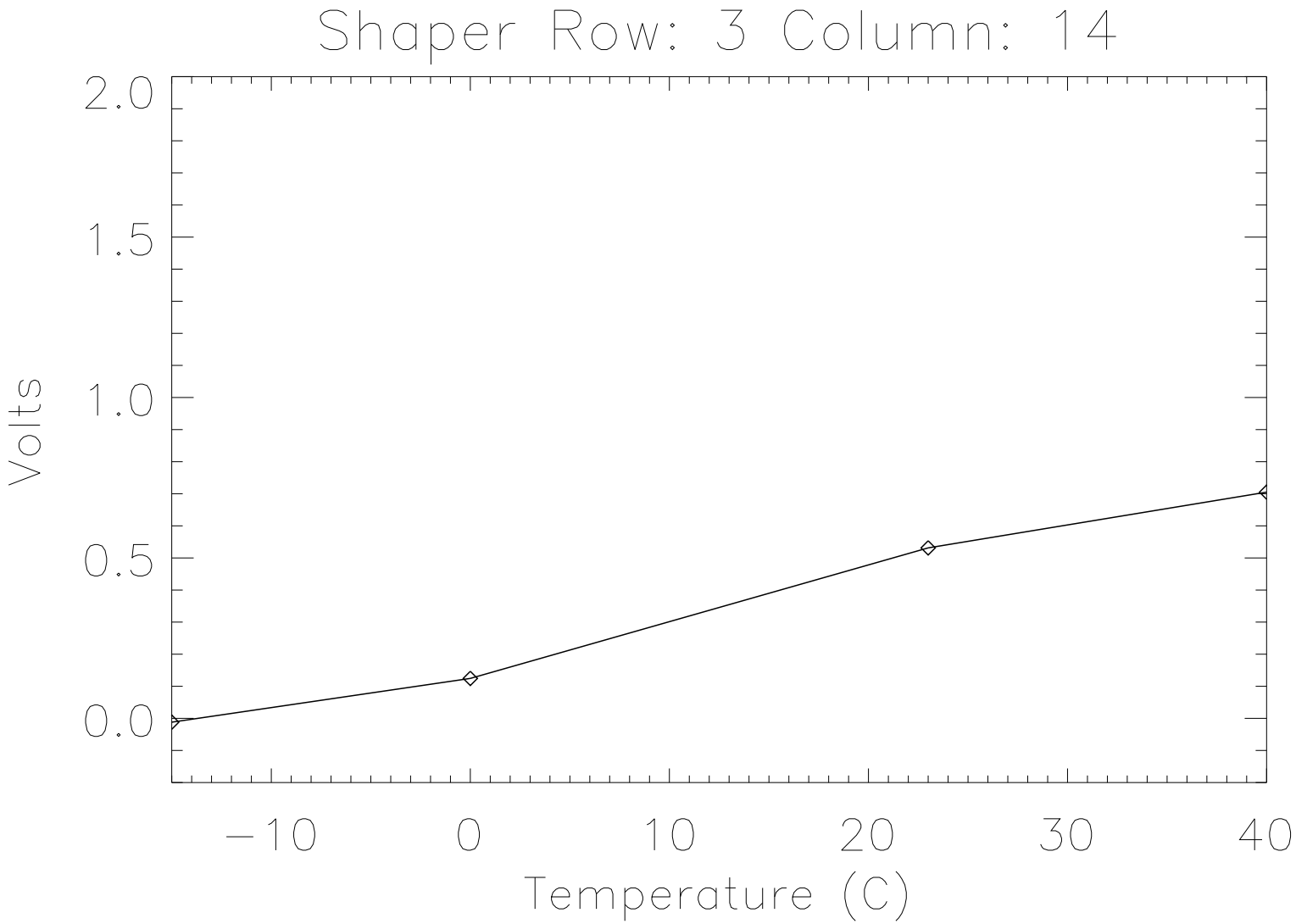
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 2 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 2 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 3 Column: 14
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 3 Column: 14
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 3 Column: 14
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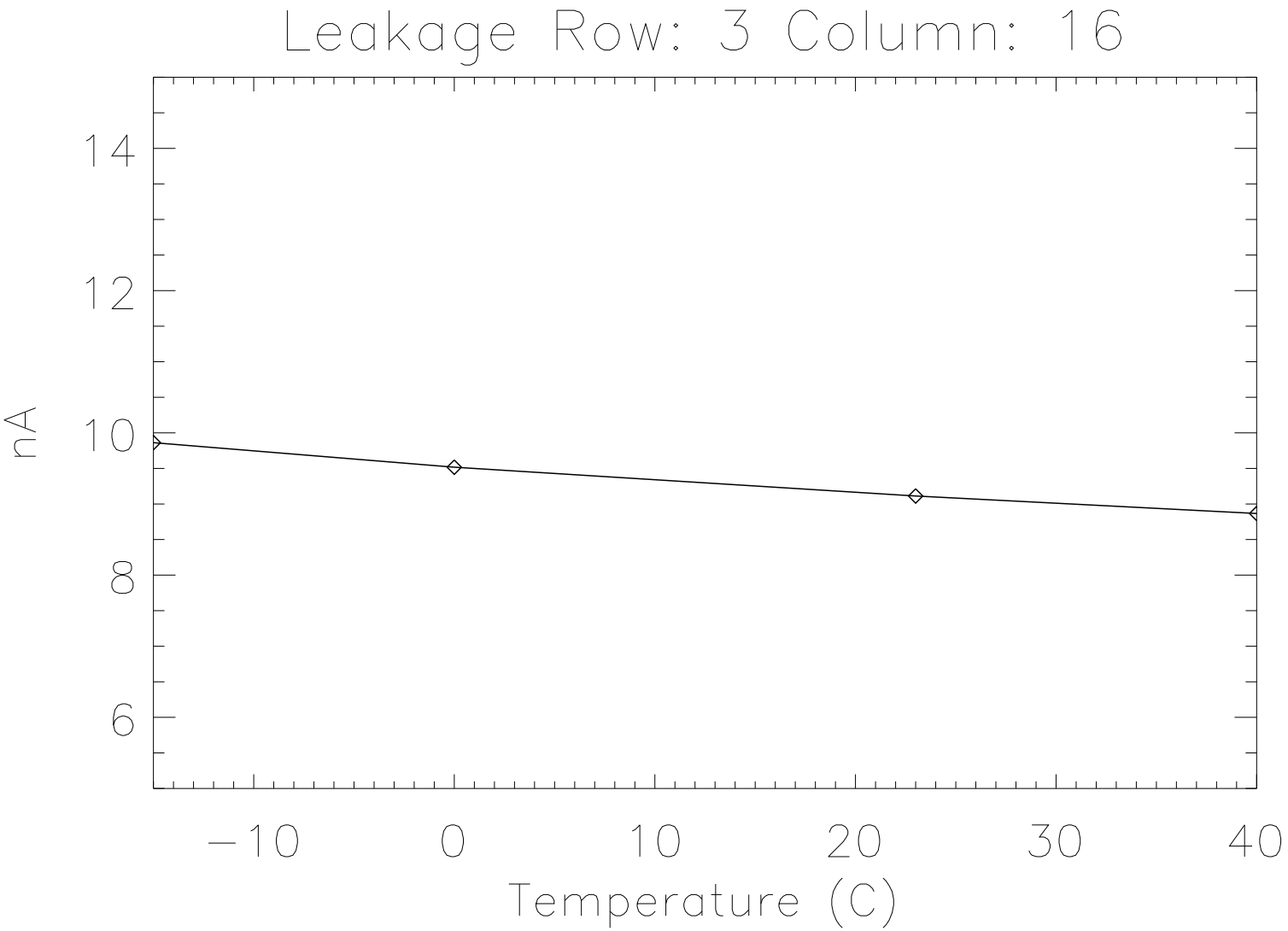
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 3 Column: 16
nA
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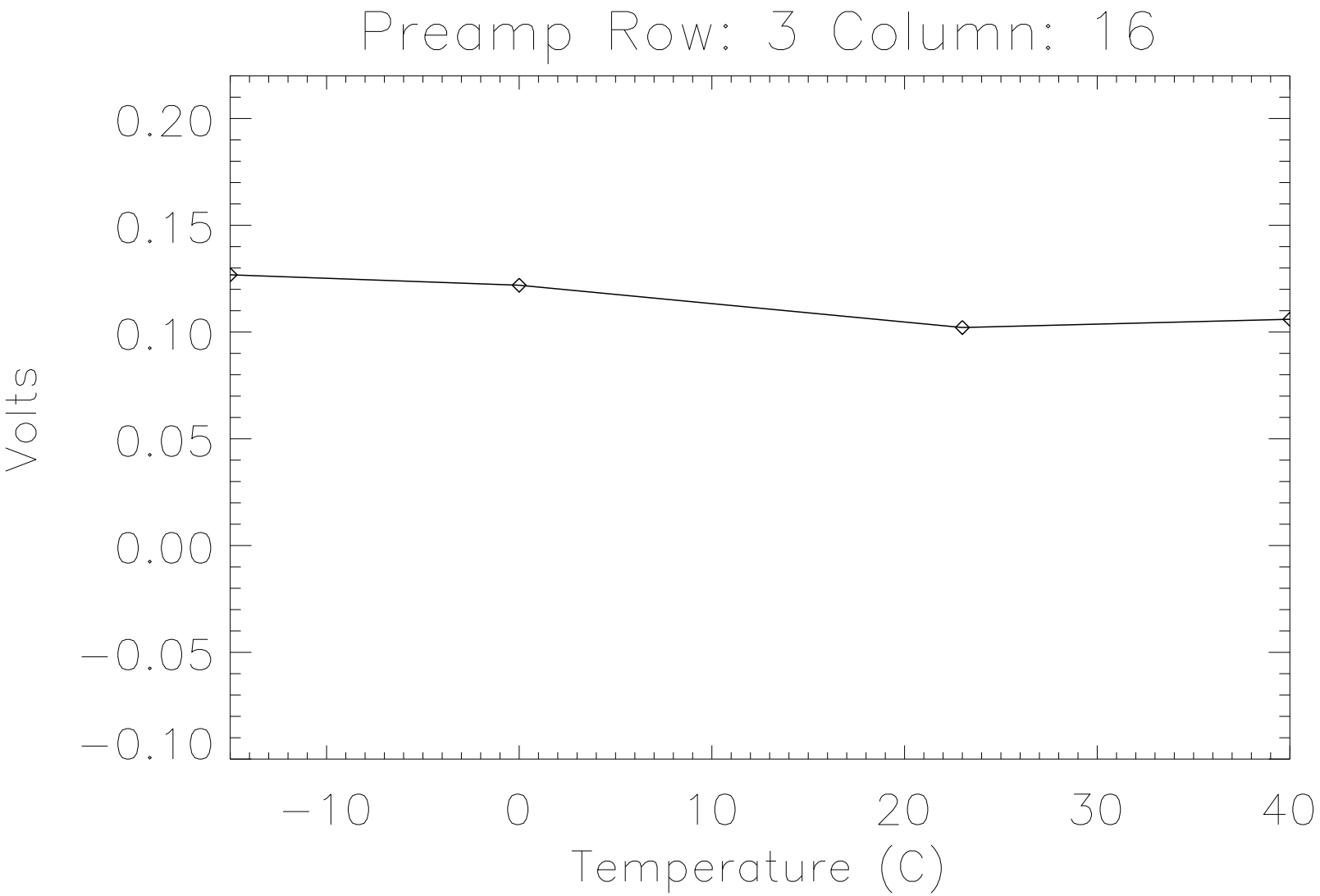
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 3 Column: 16
0.20
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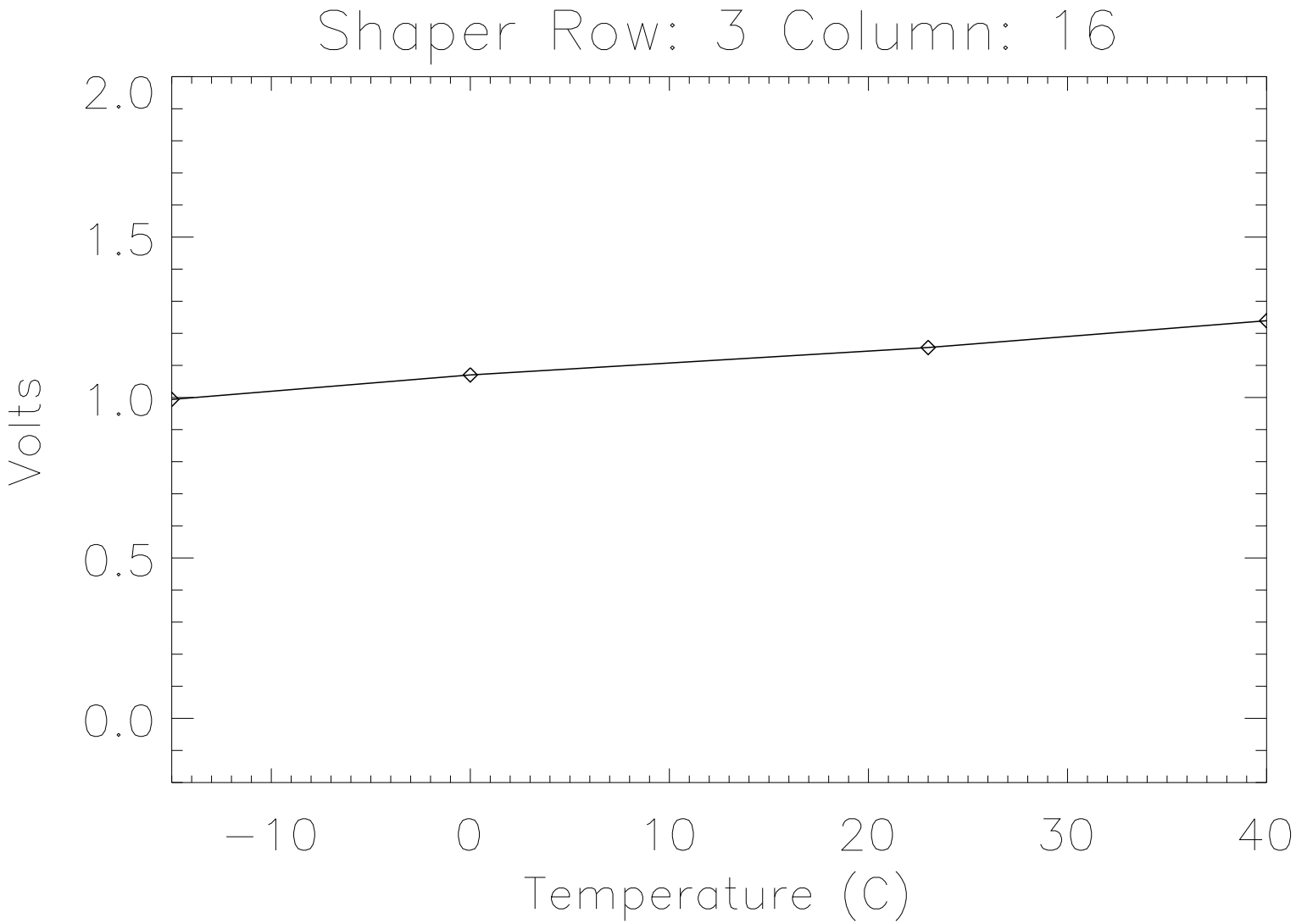
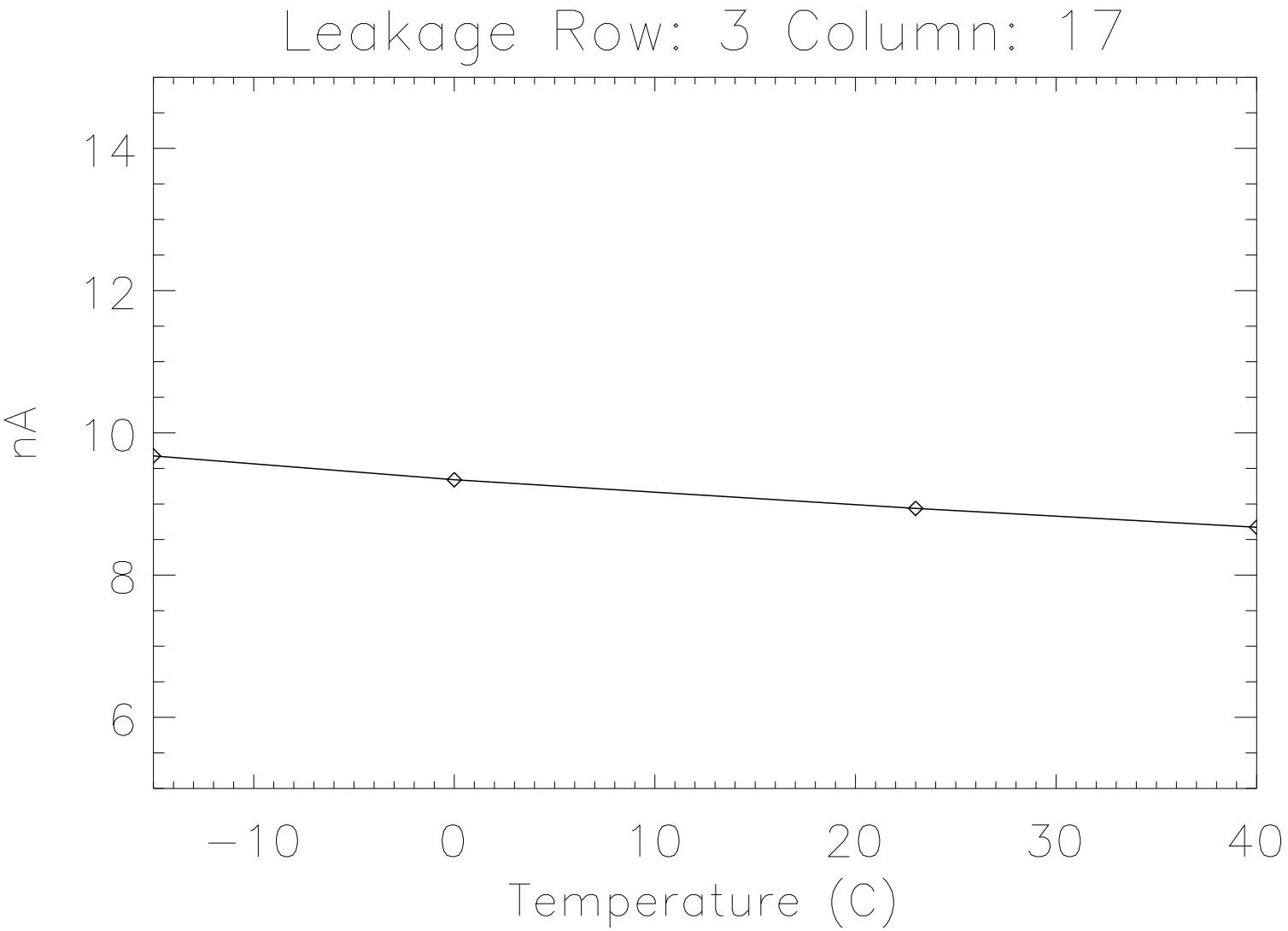
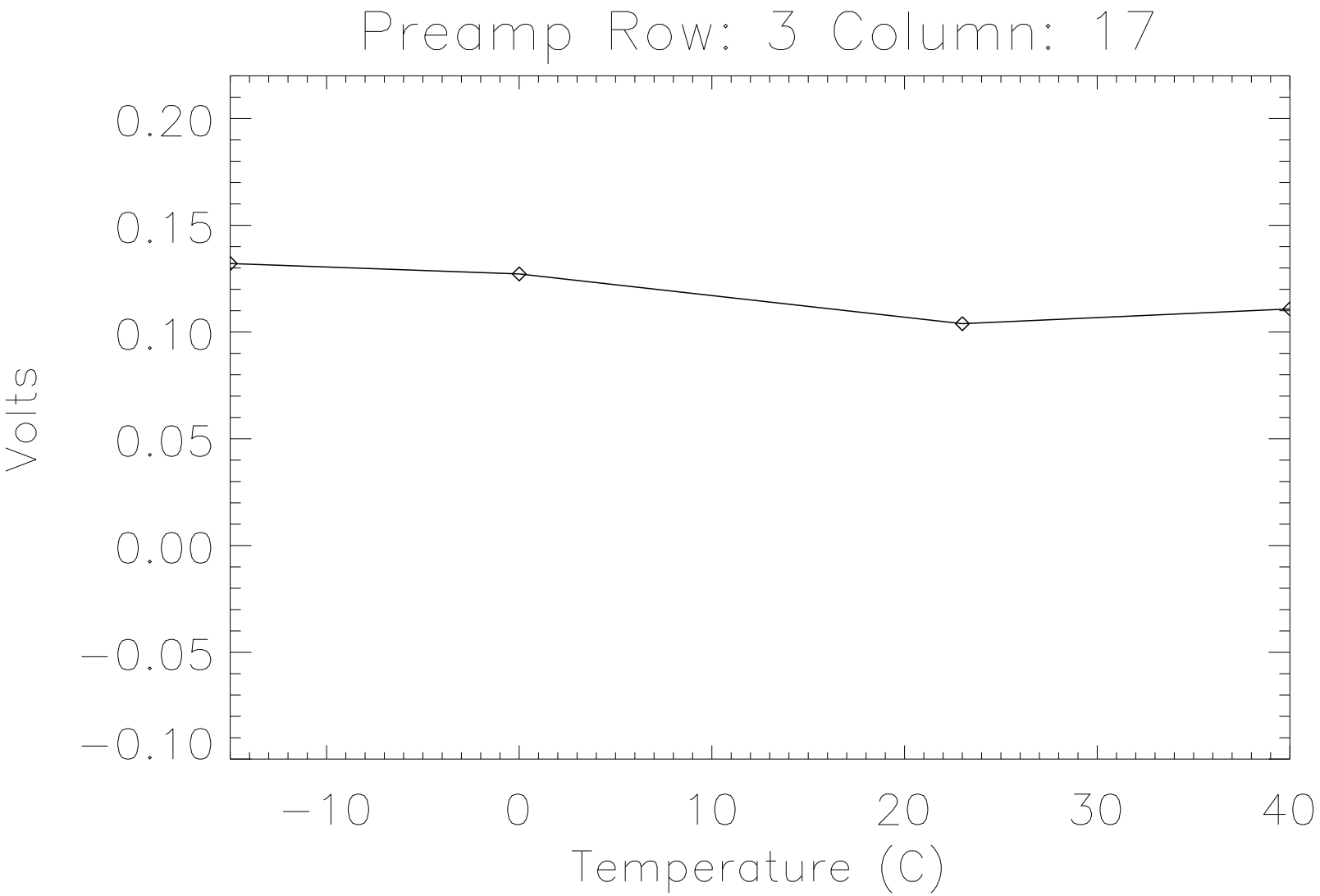
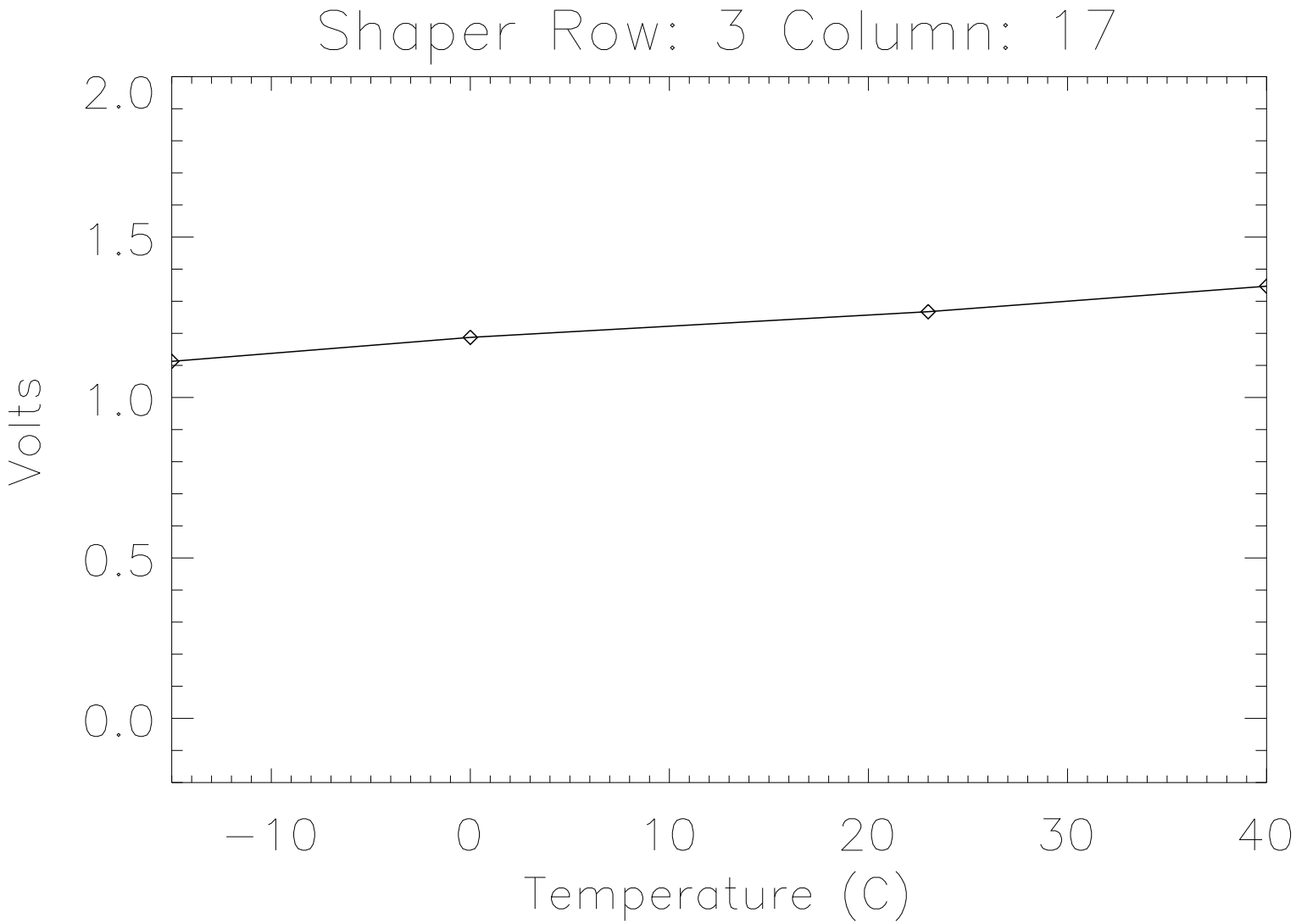
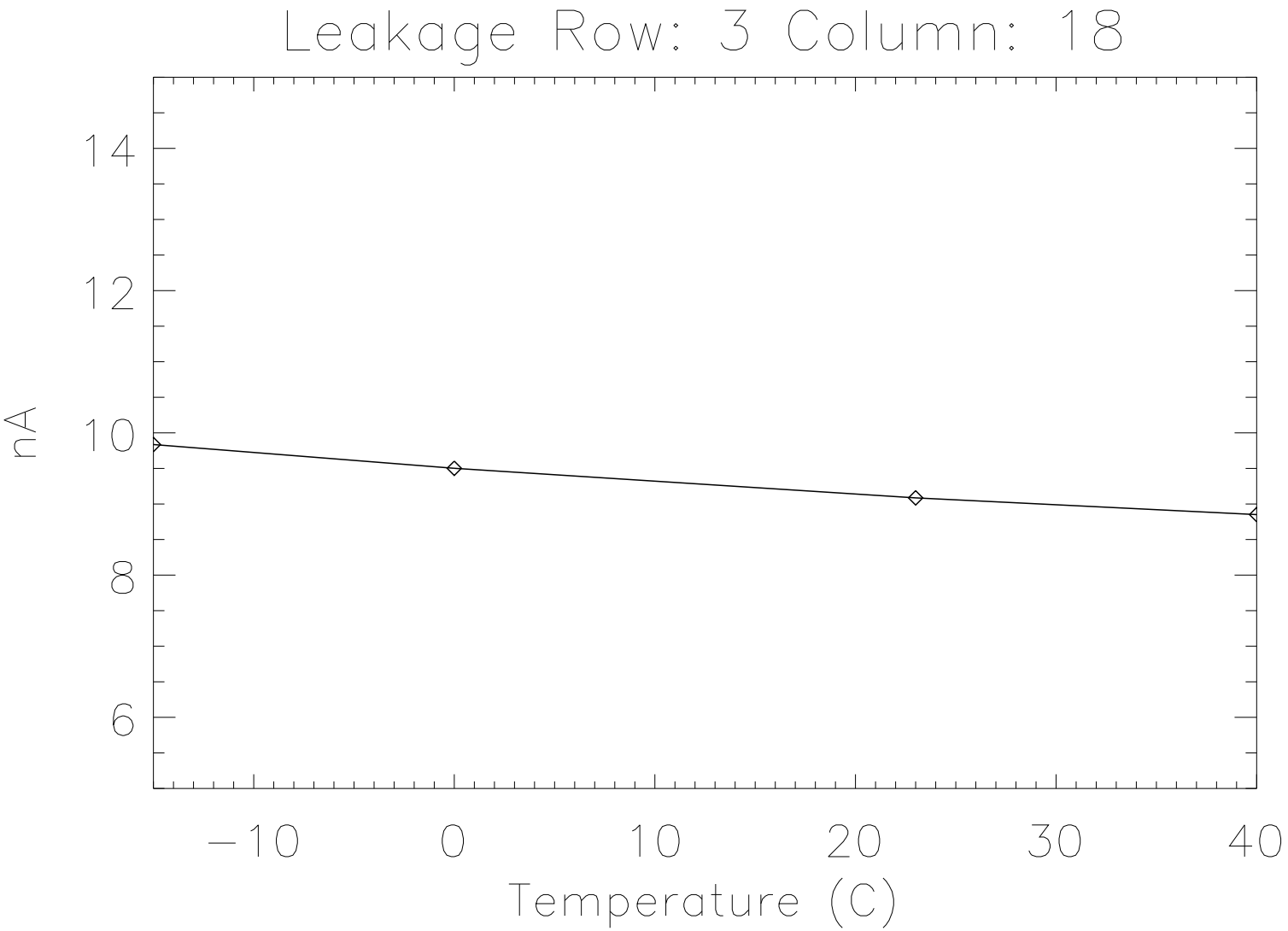
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

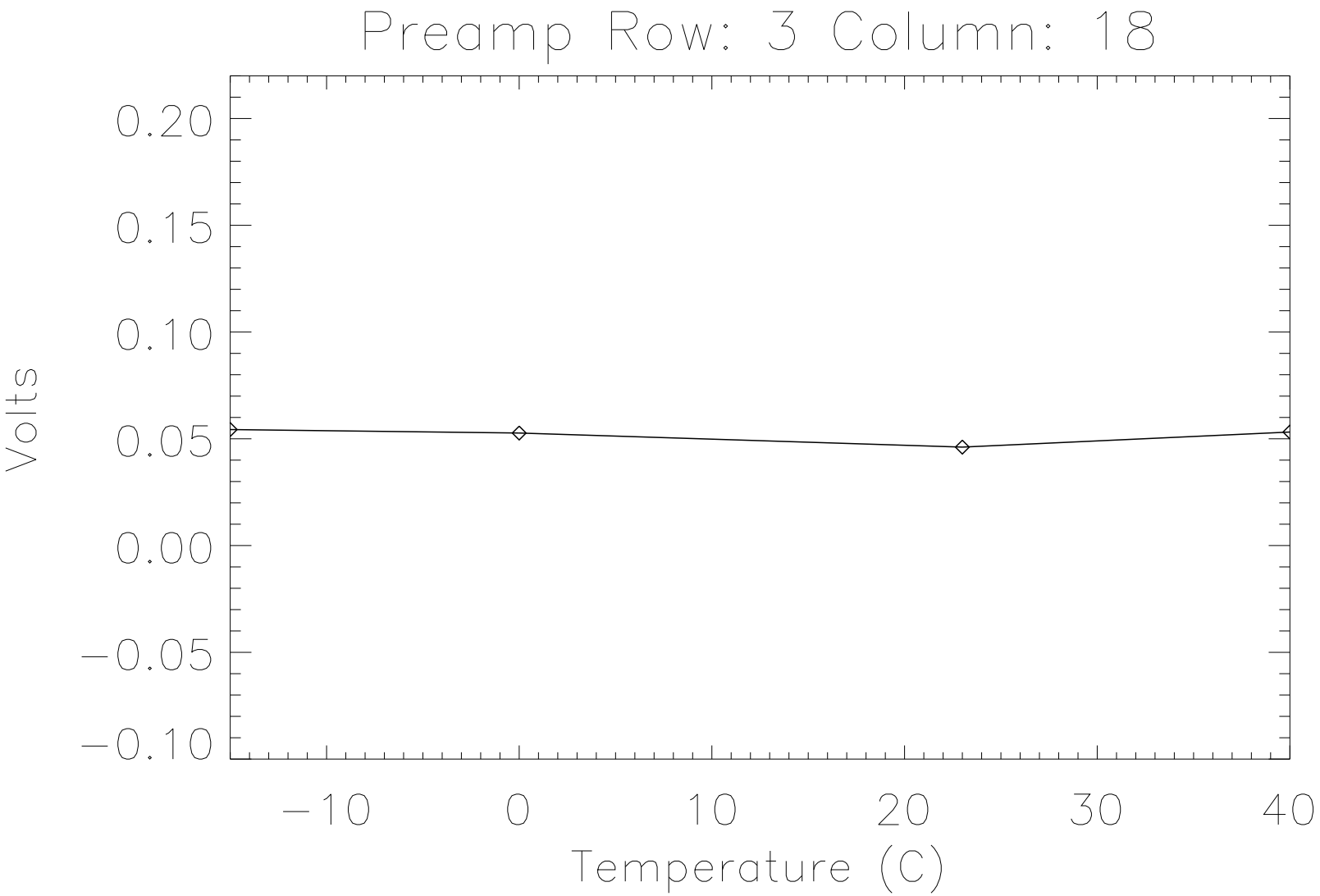

Shaper Row: 3 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

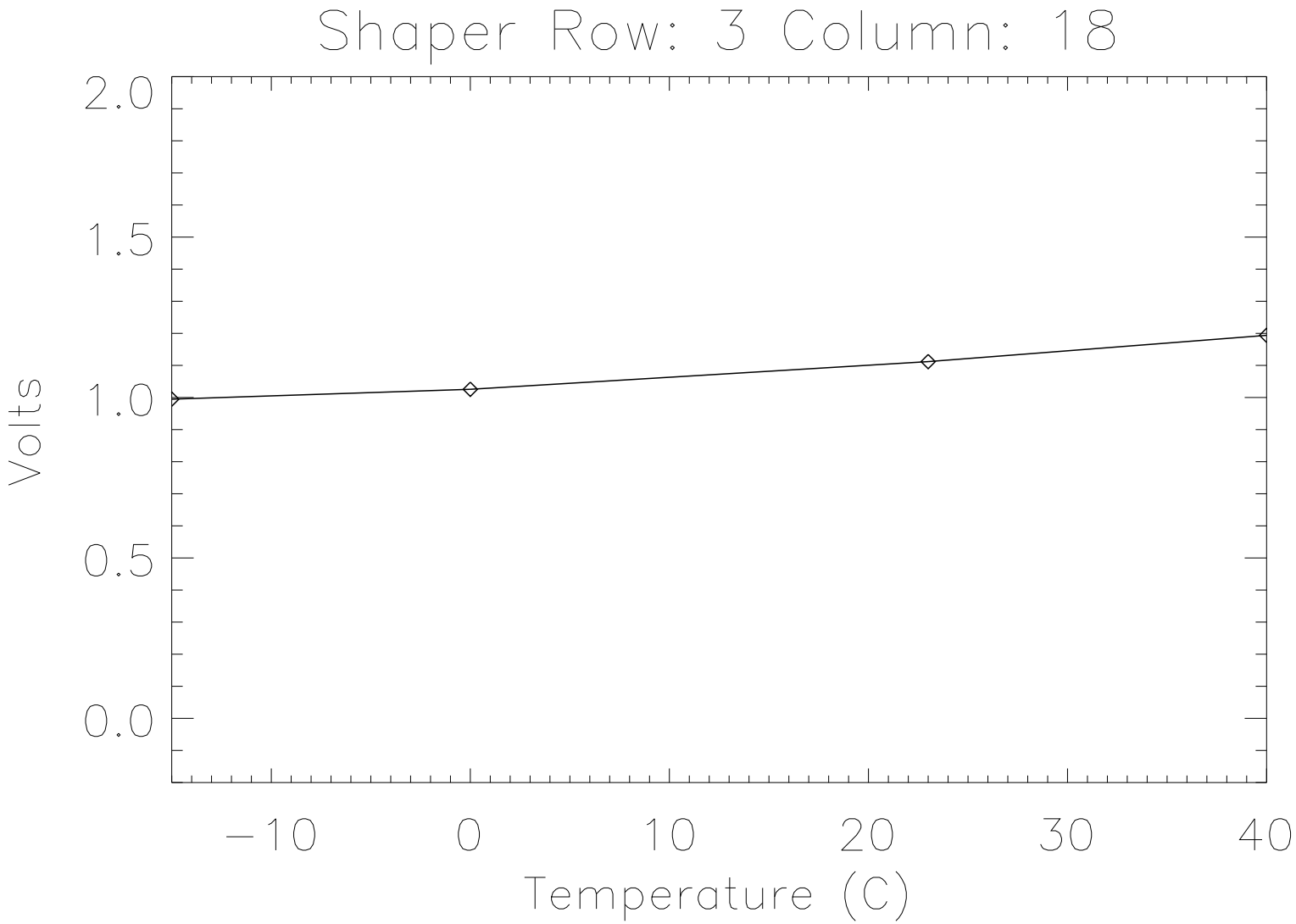

Leakage Row: 3 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

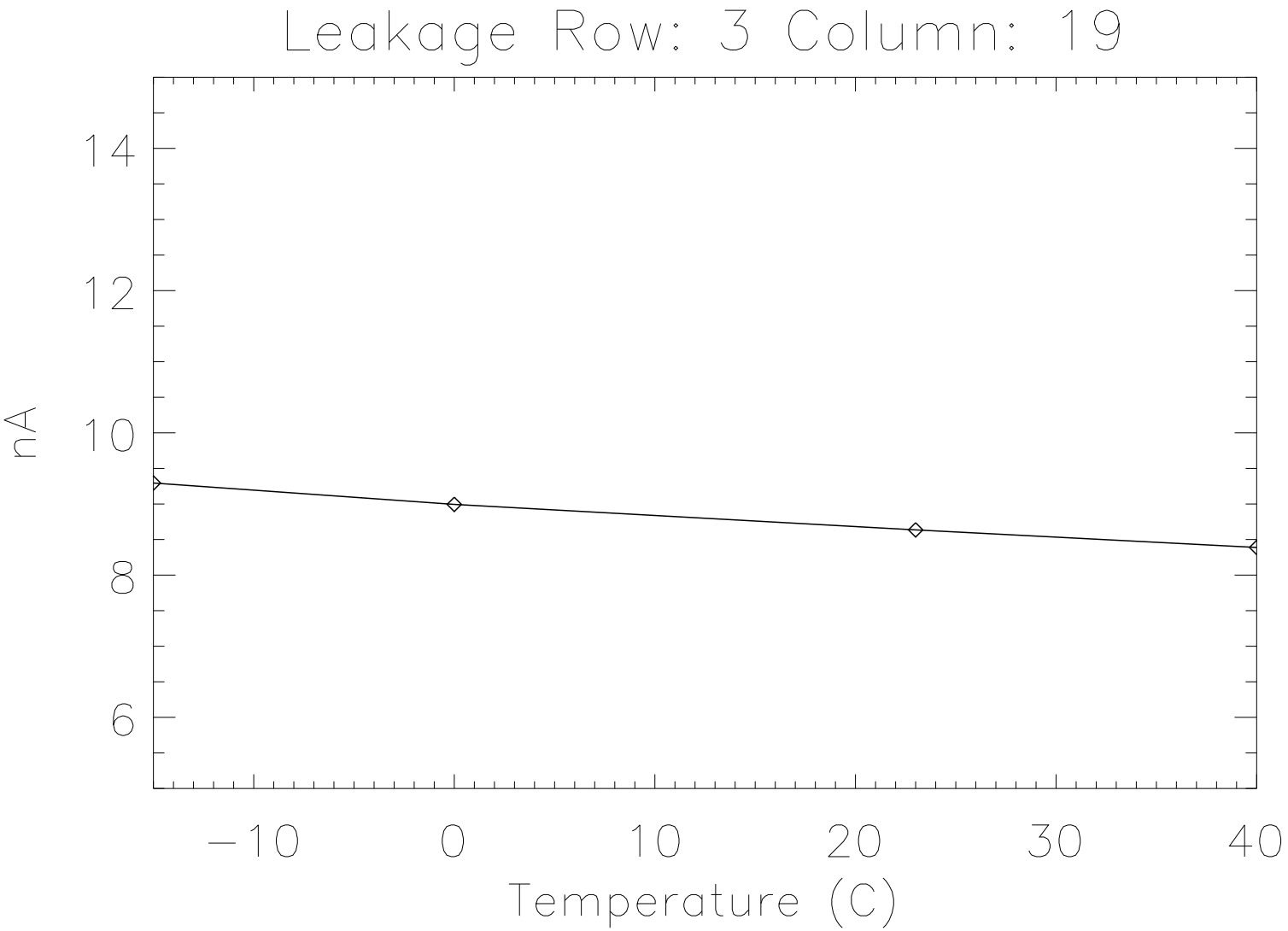

Preamp Row: 3 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

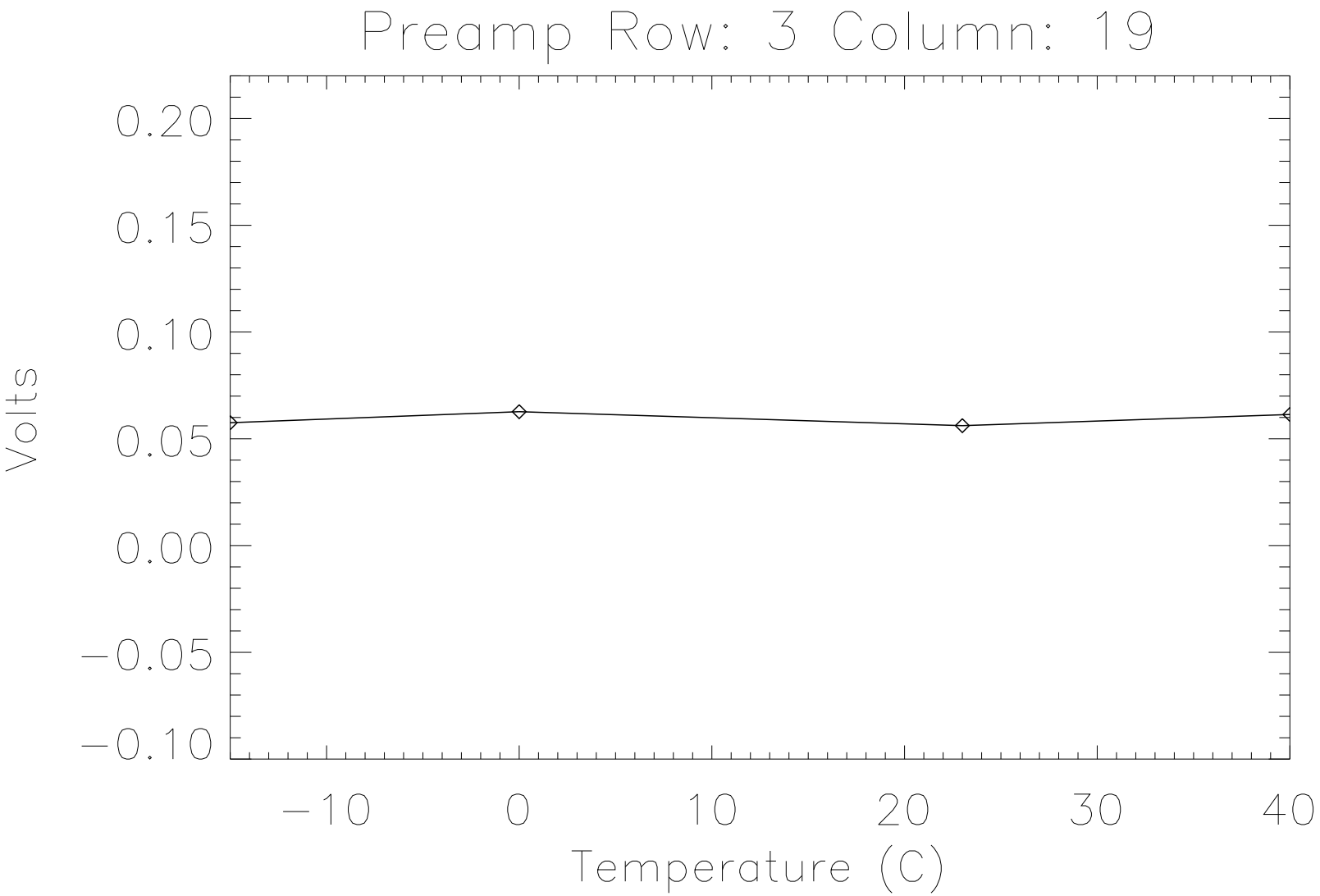

Shaper Row: 3 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

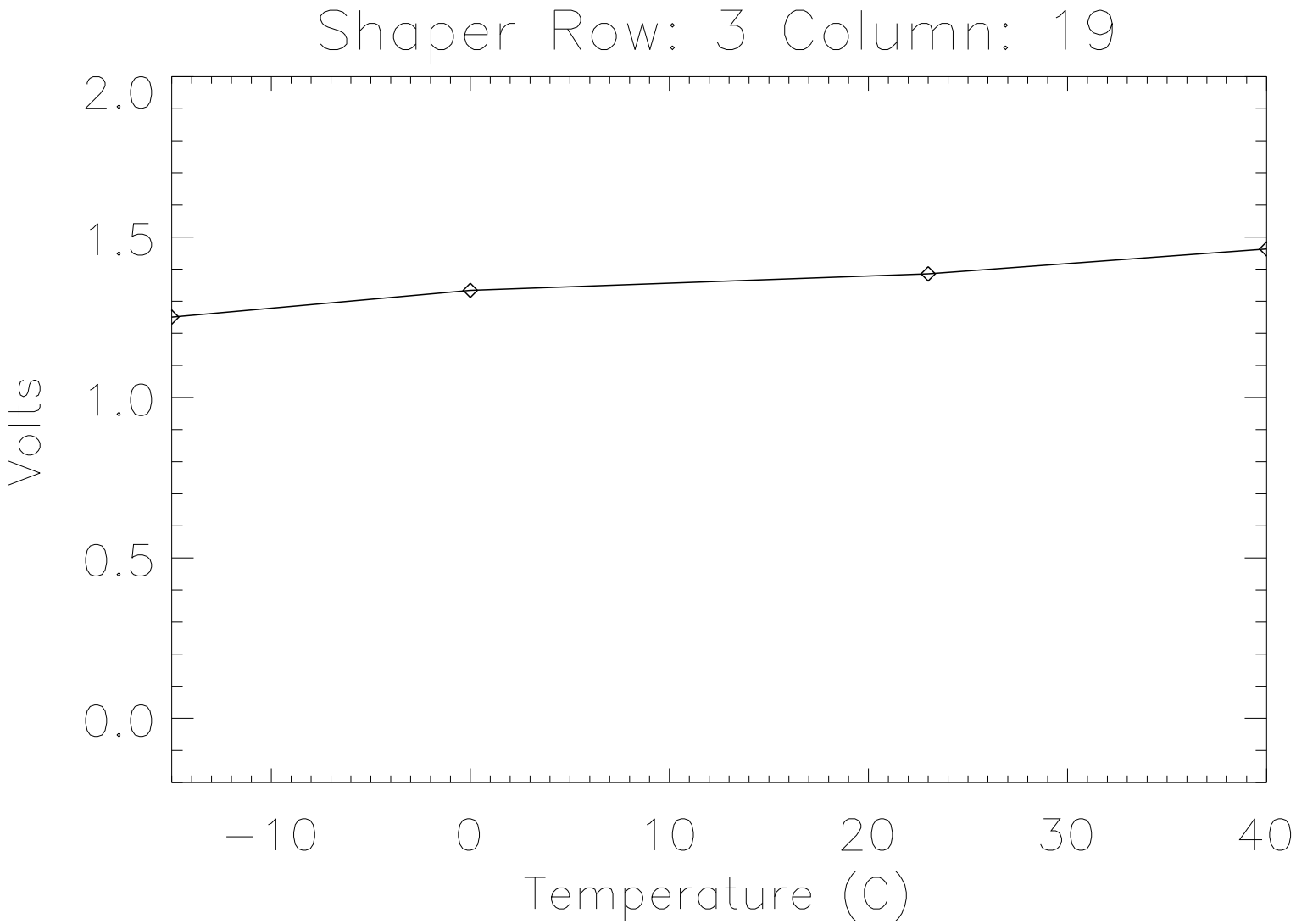

Leakage Row: 3 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

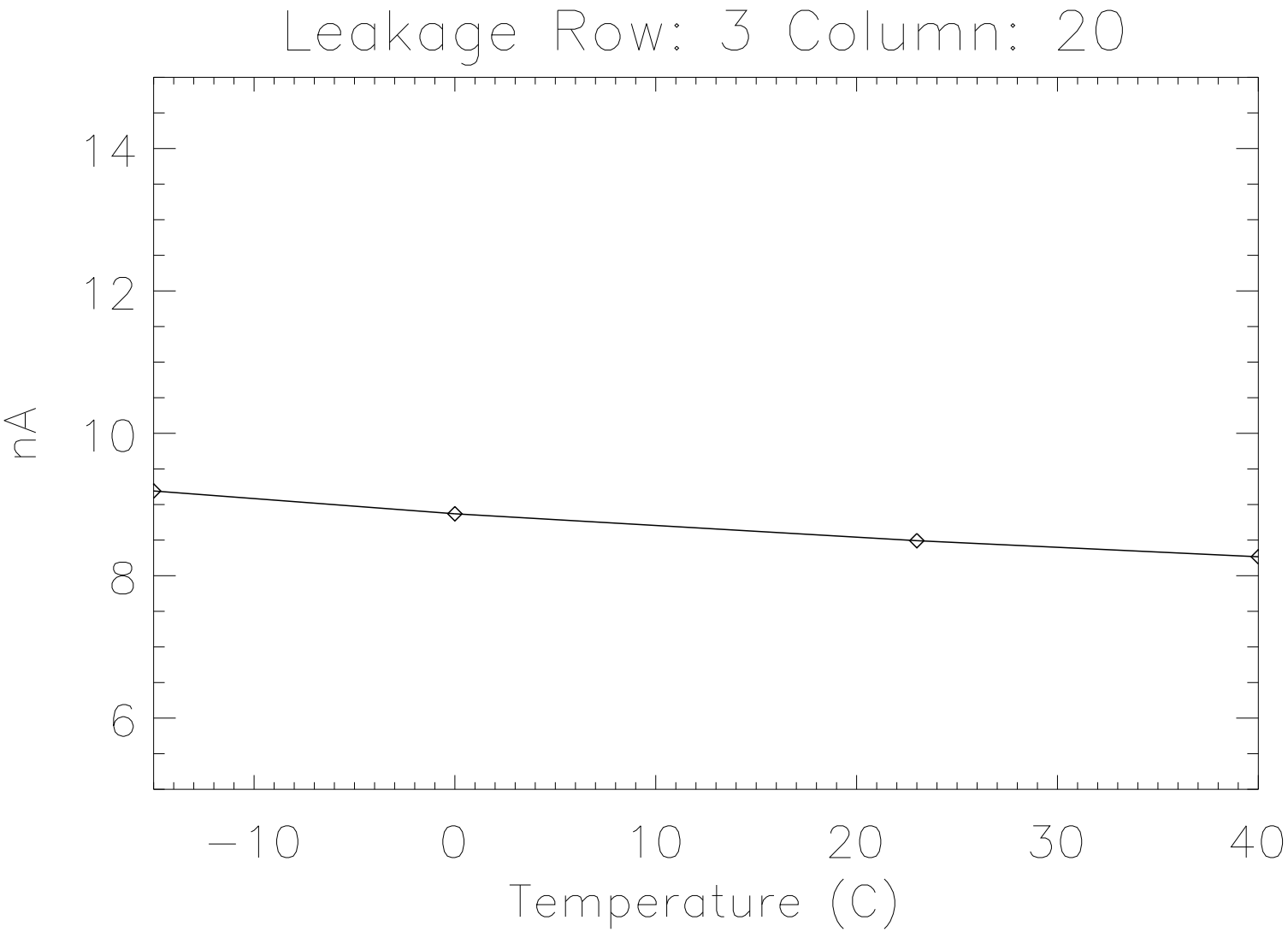

Preamp Row: 3 Column: 18
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

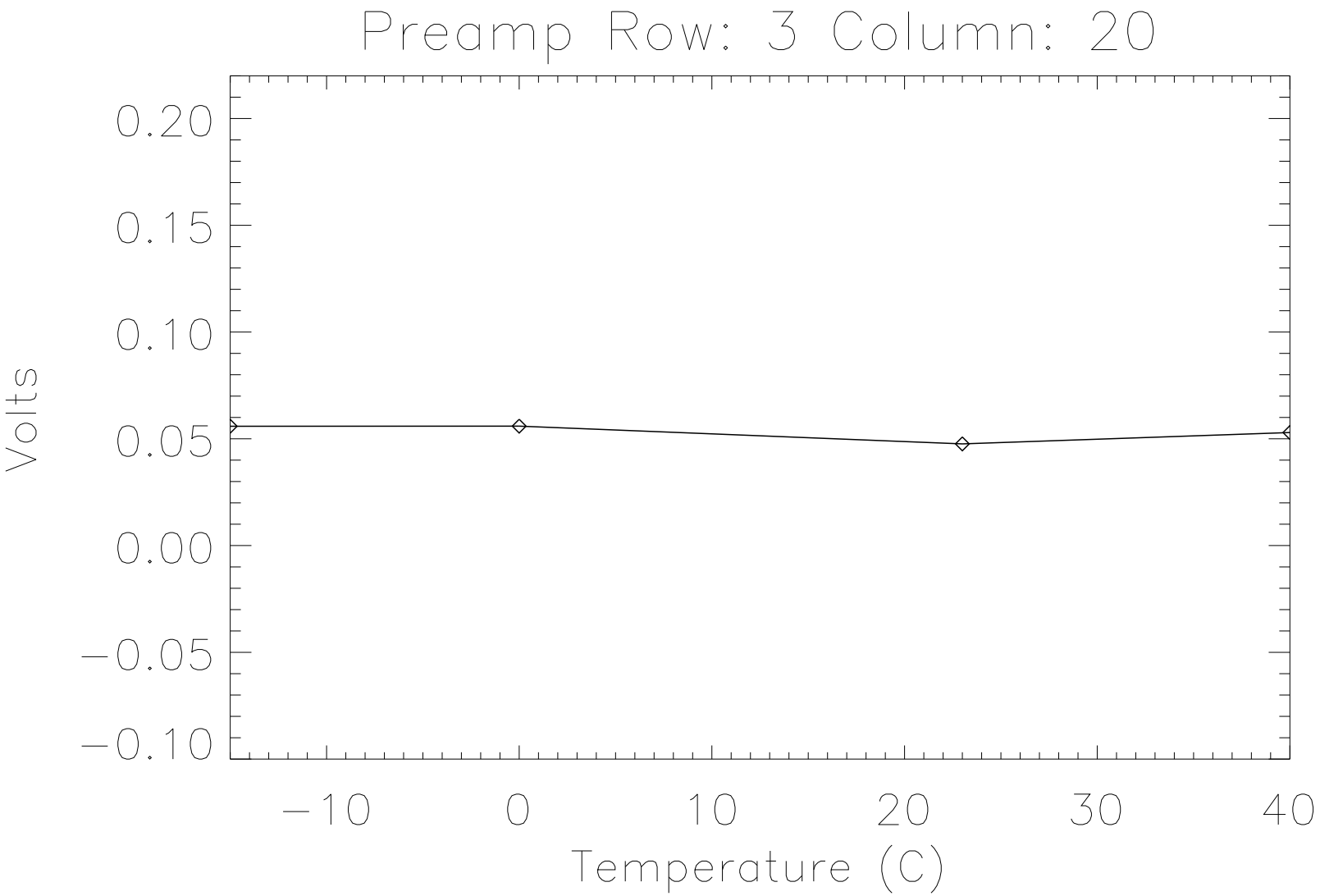

Shaper Row: 3 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

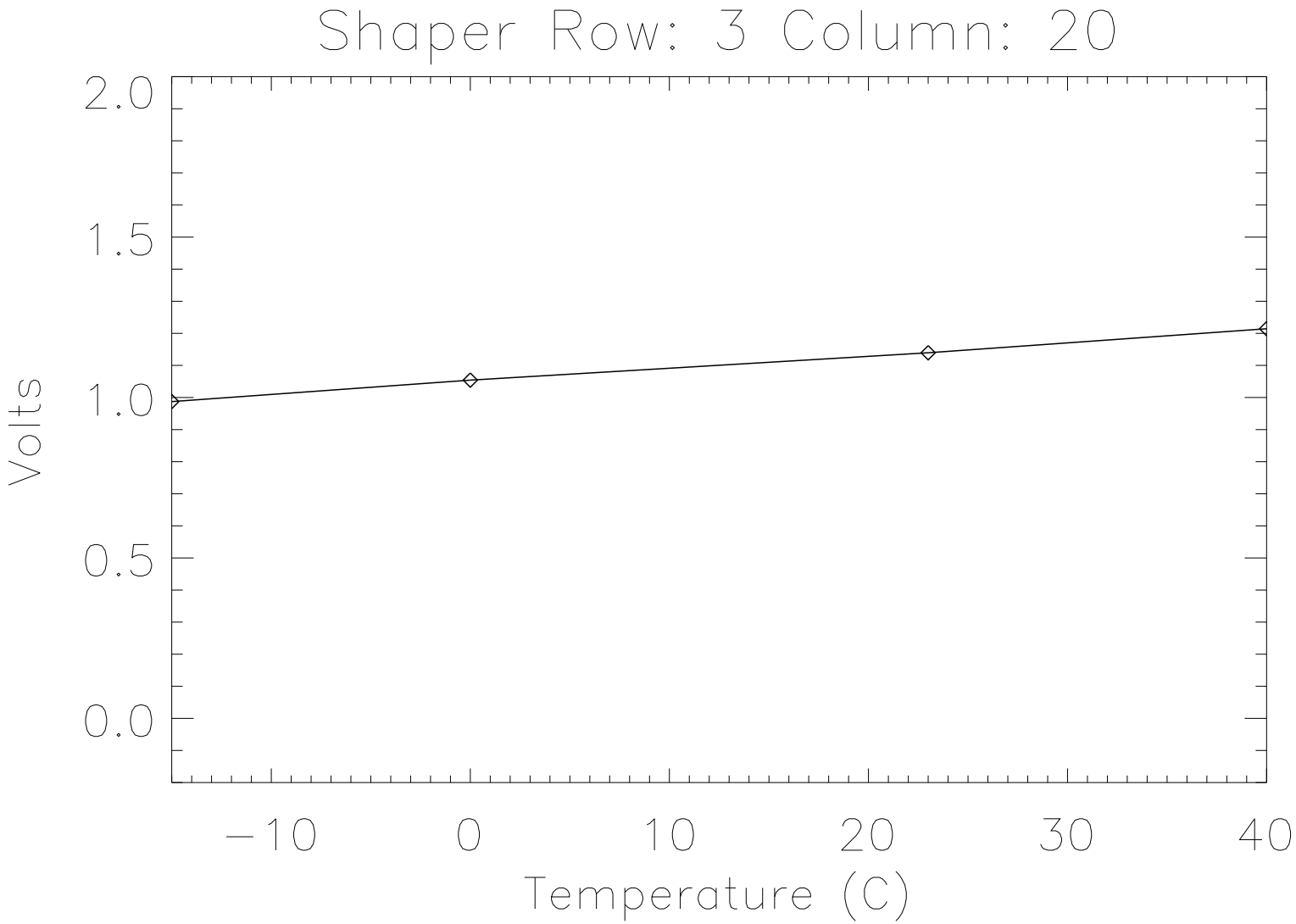

Leakage Row: 3 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

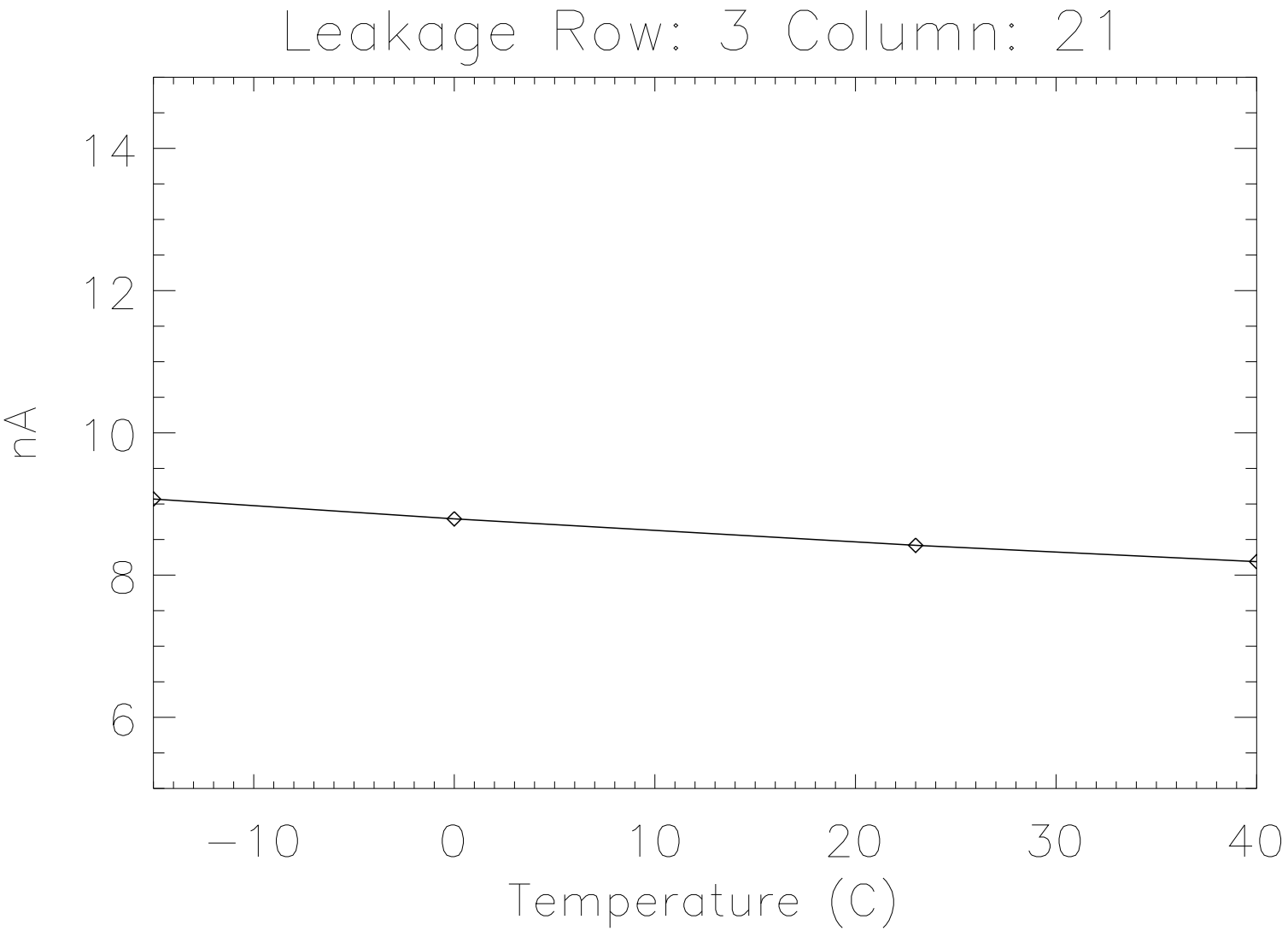

Preamp Row: 3 Column: 19
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

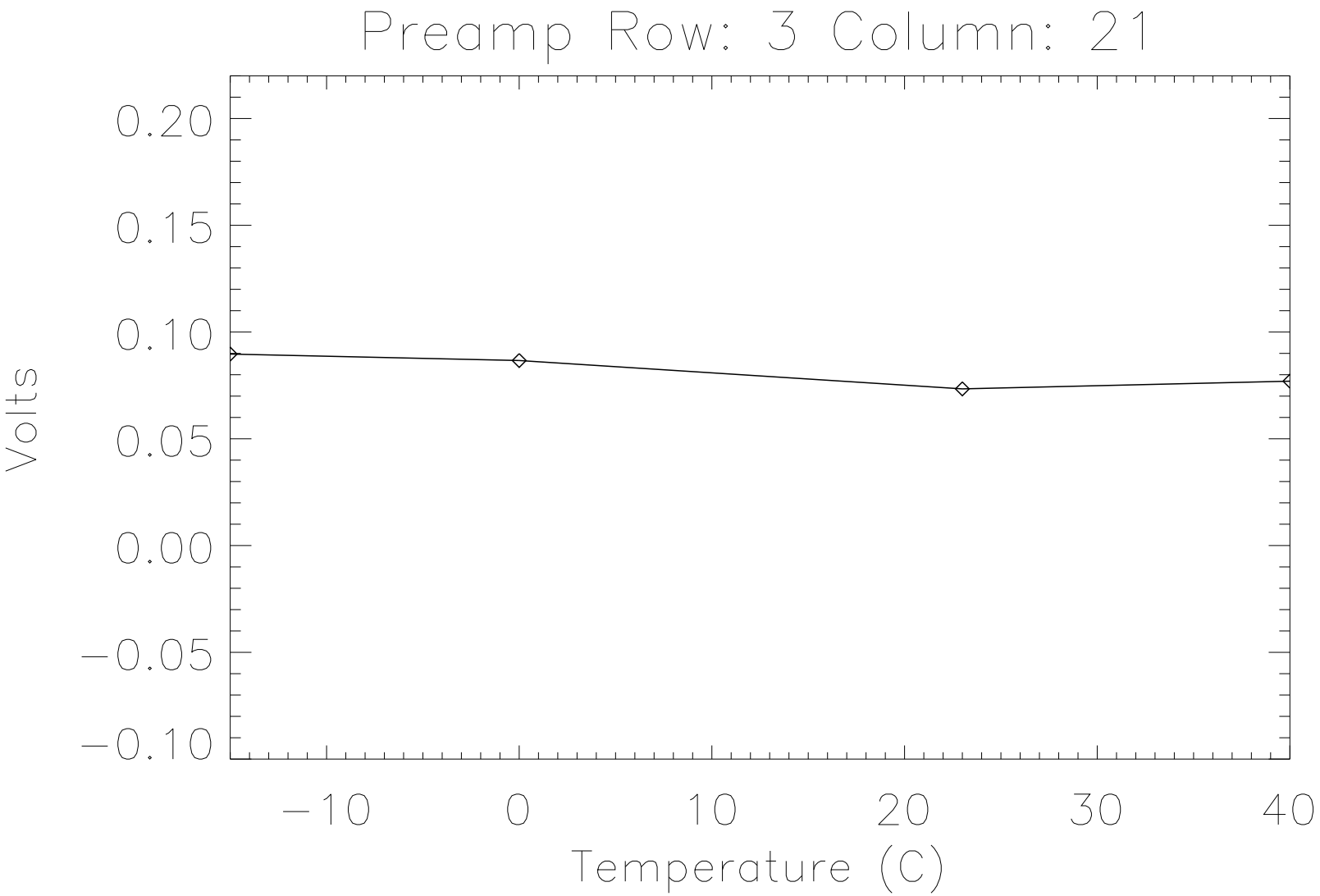

Shaper Row: 3 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

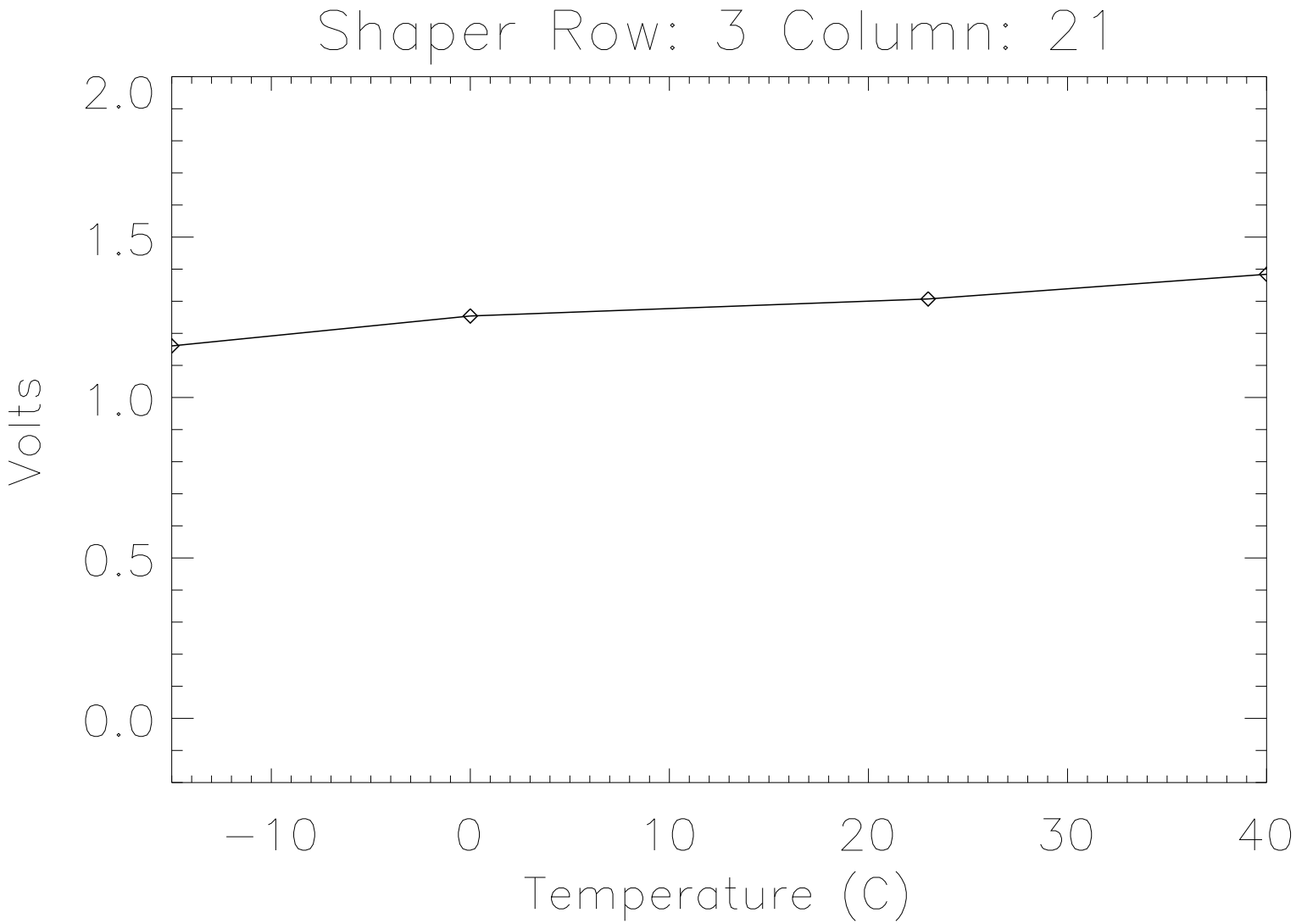

Leakage Row: 3 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

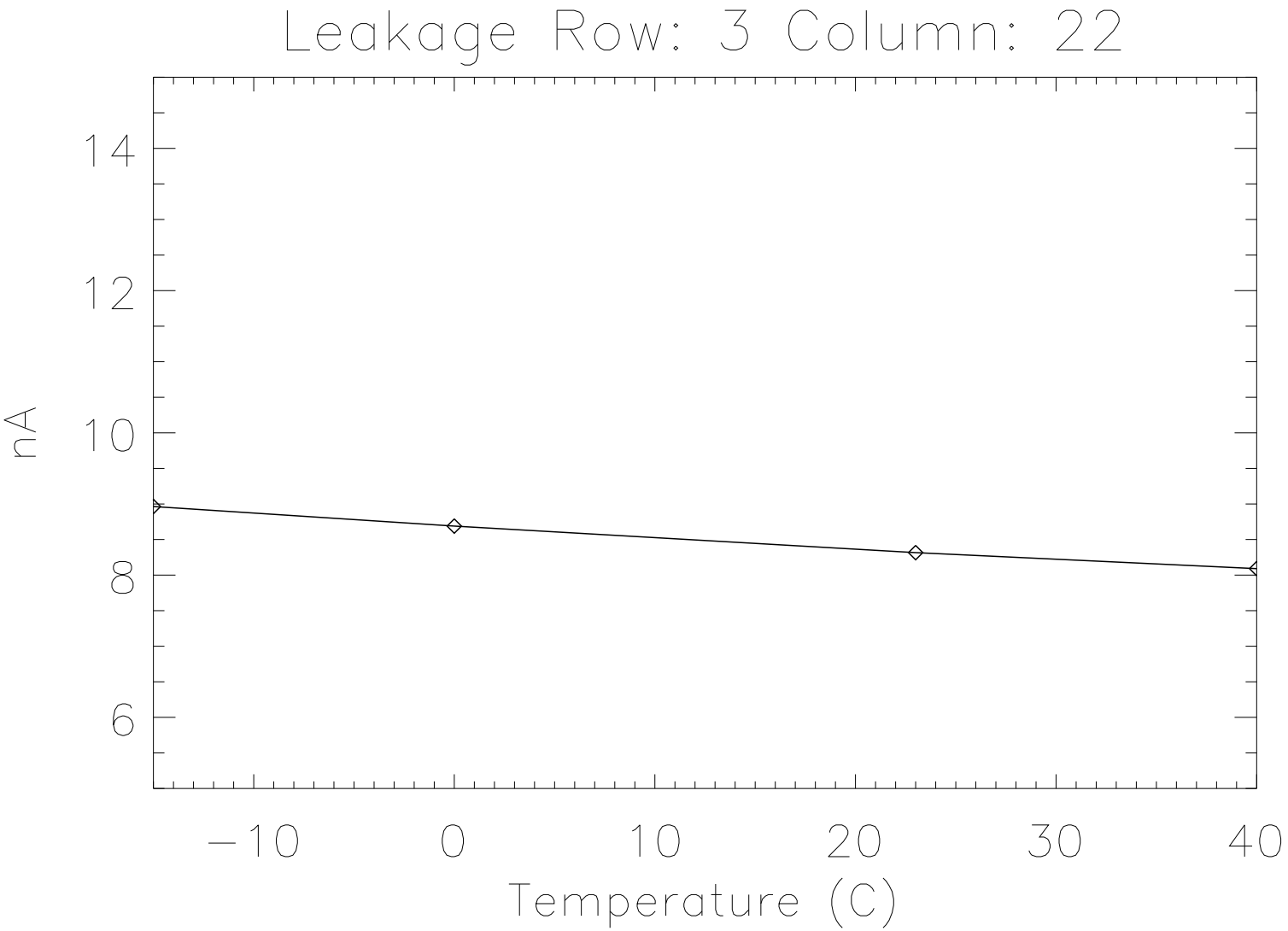

Preamp Row: 3 Column: 20
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

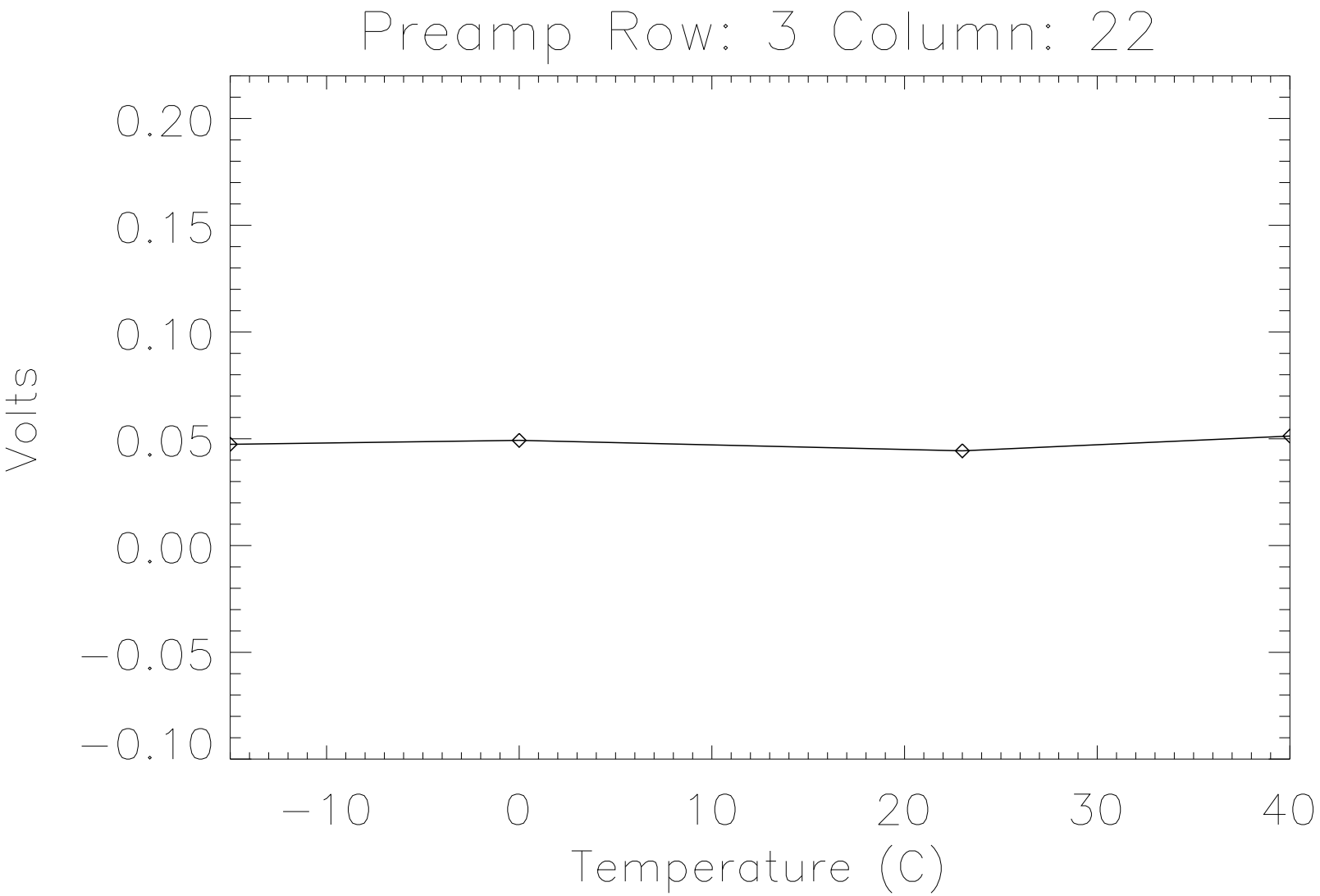

Shaper Row: 3 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

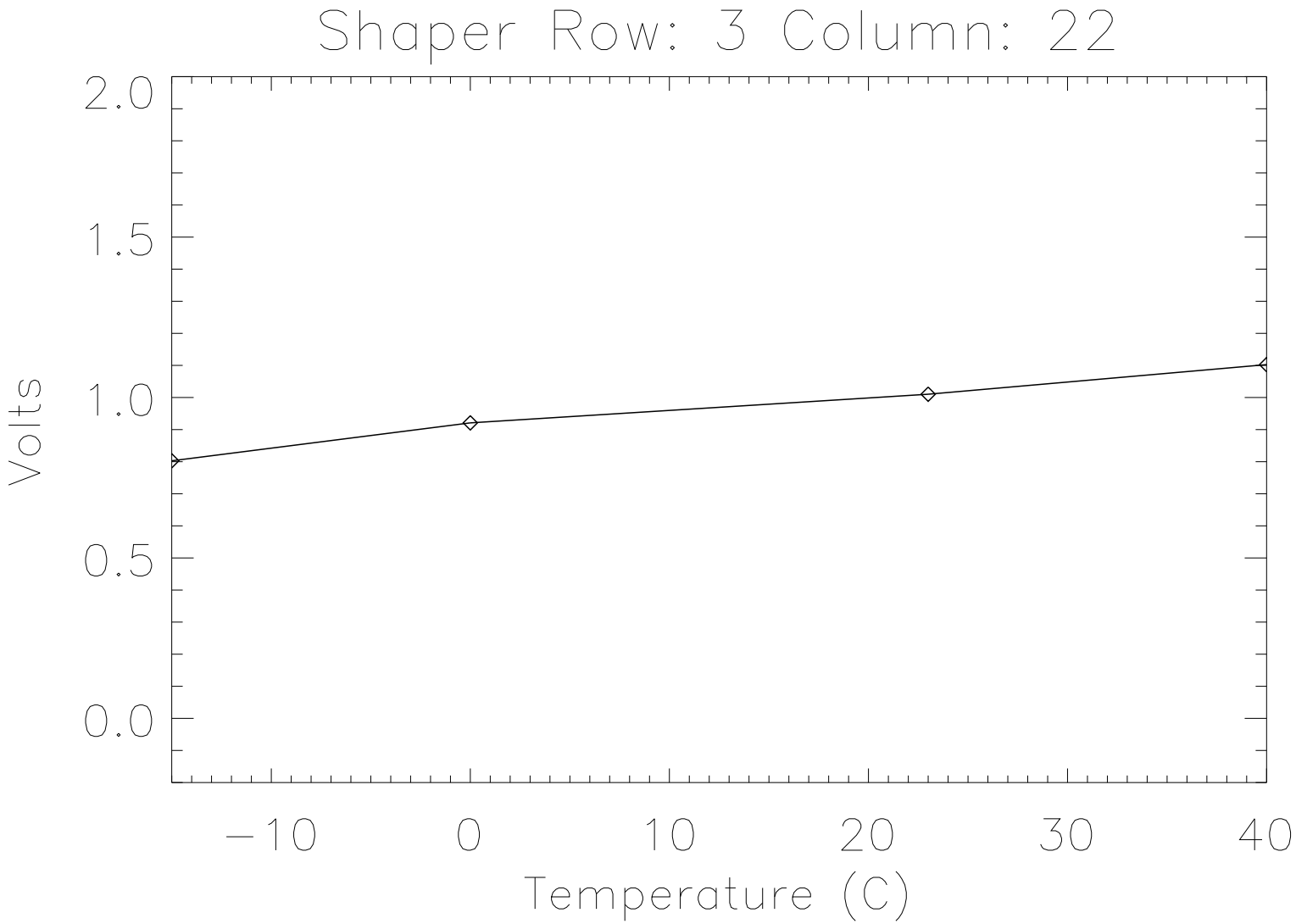

Leakage Row: 3 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

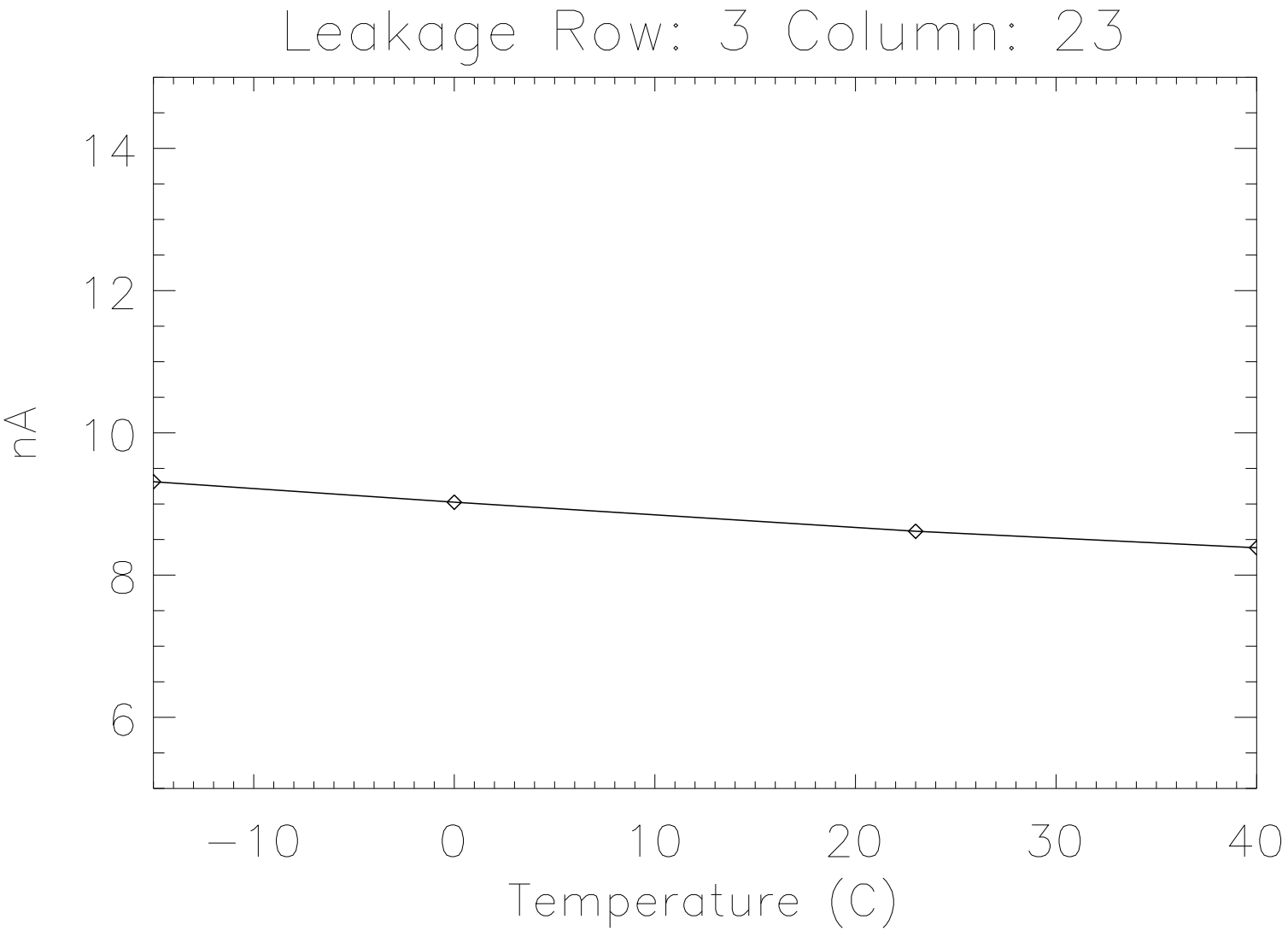

Preamp Row: 3 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

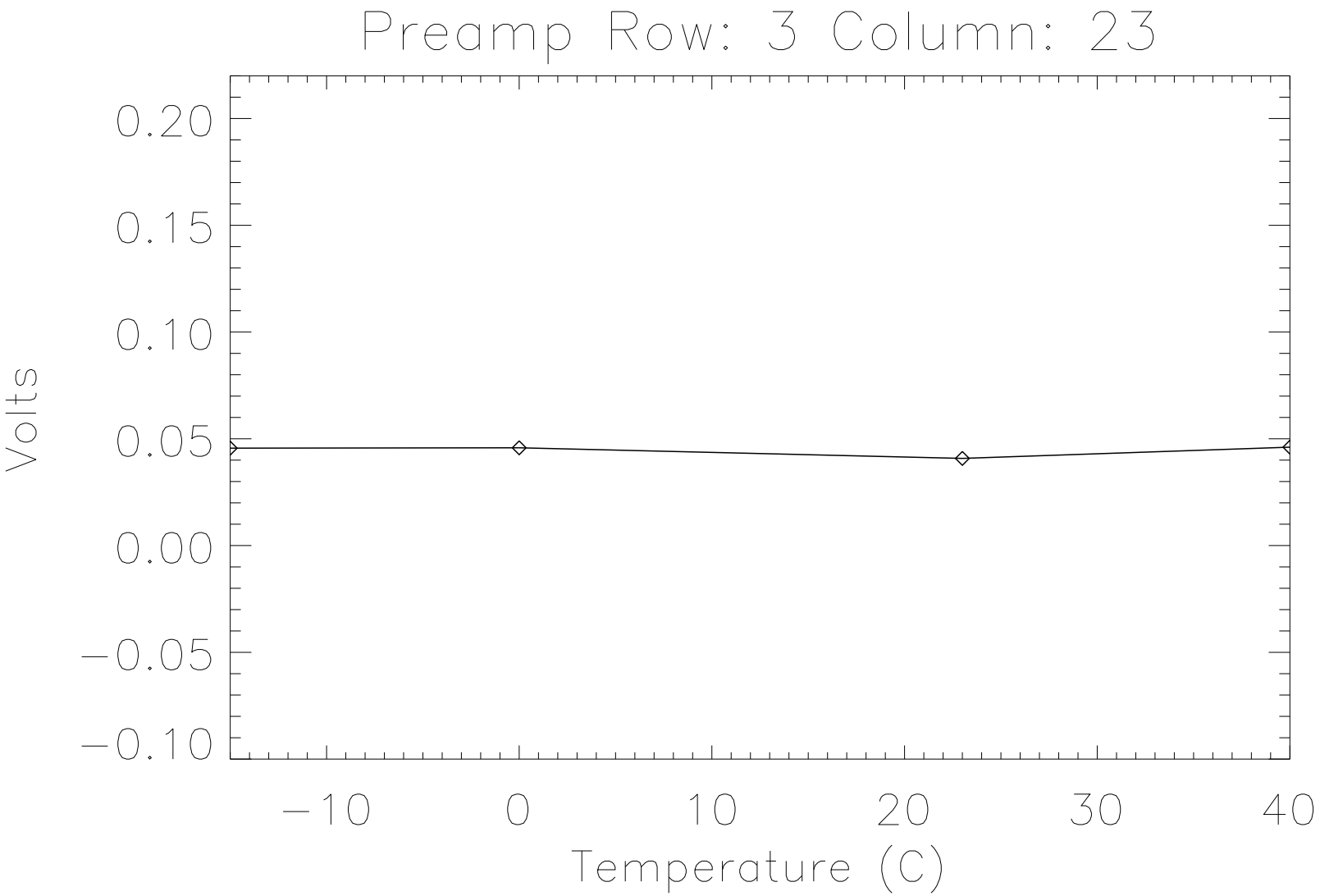

Shaper Row: 3 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

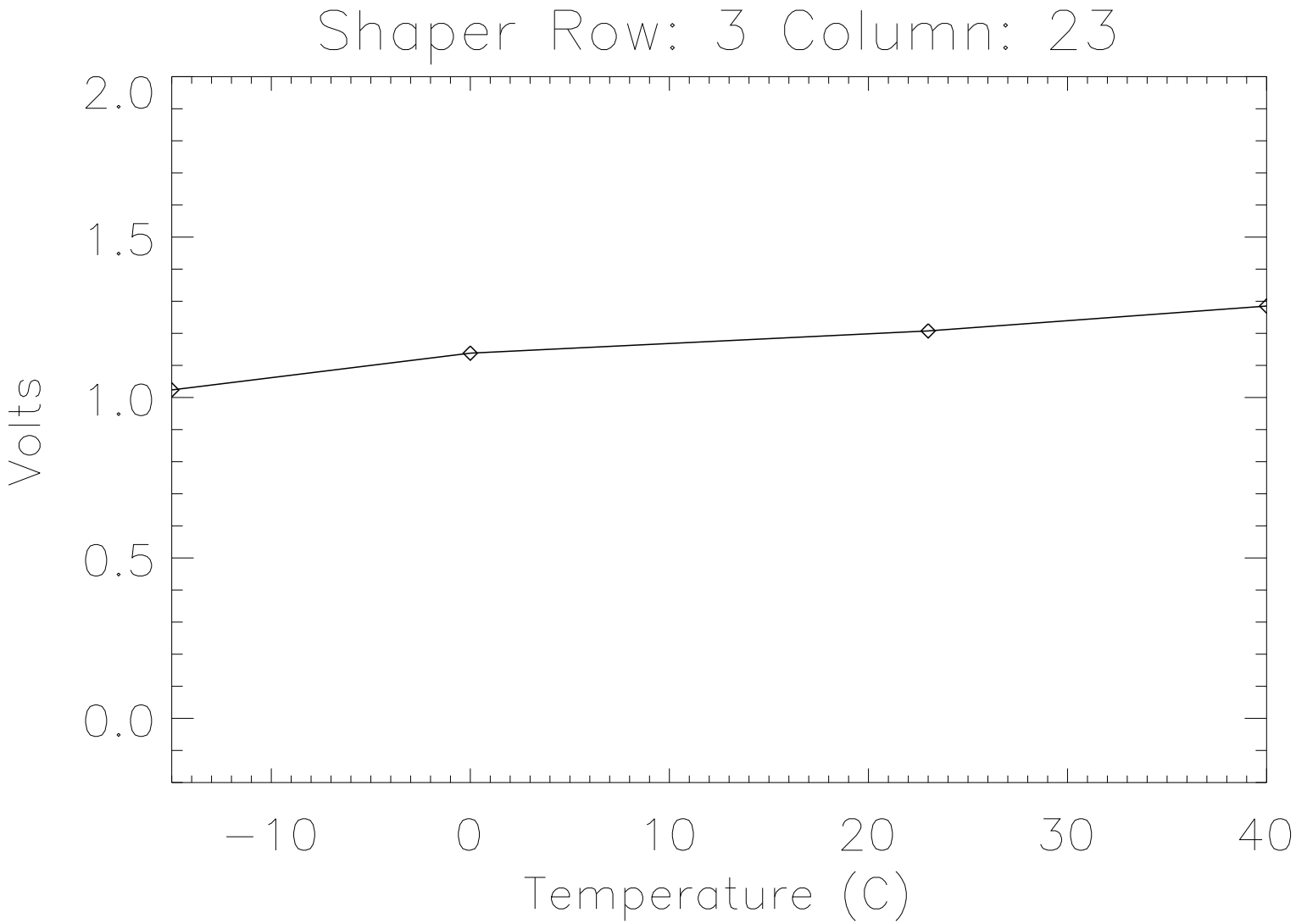

Leakage Row: 3 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

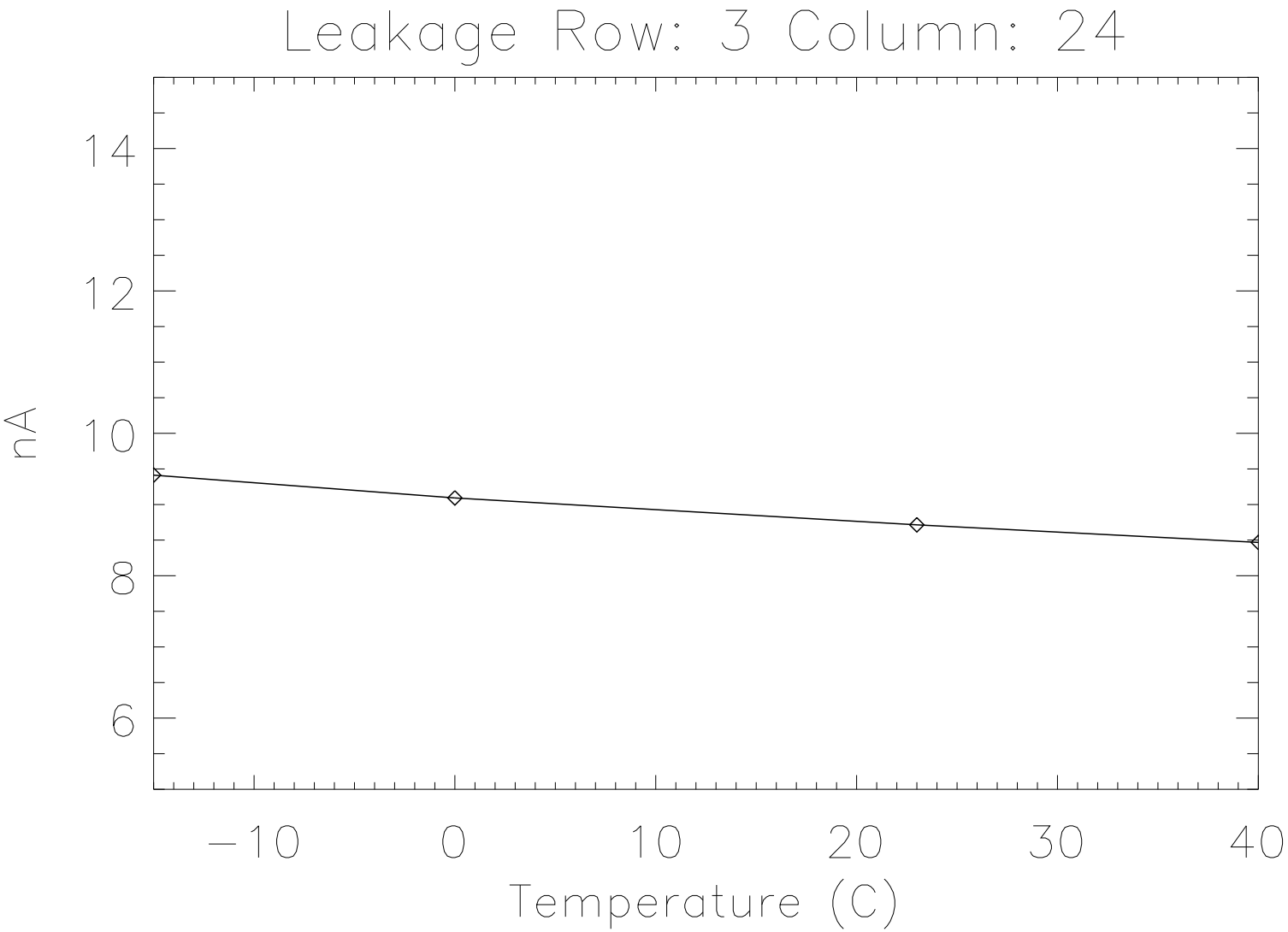

Preamp Row: 3 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

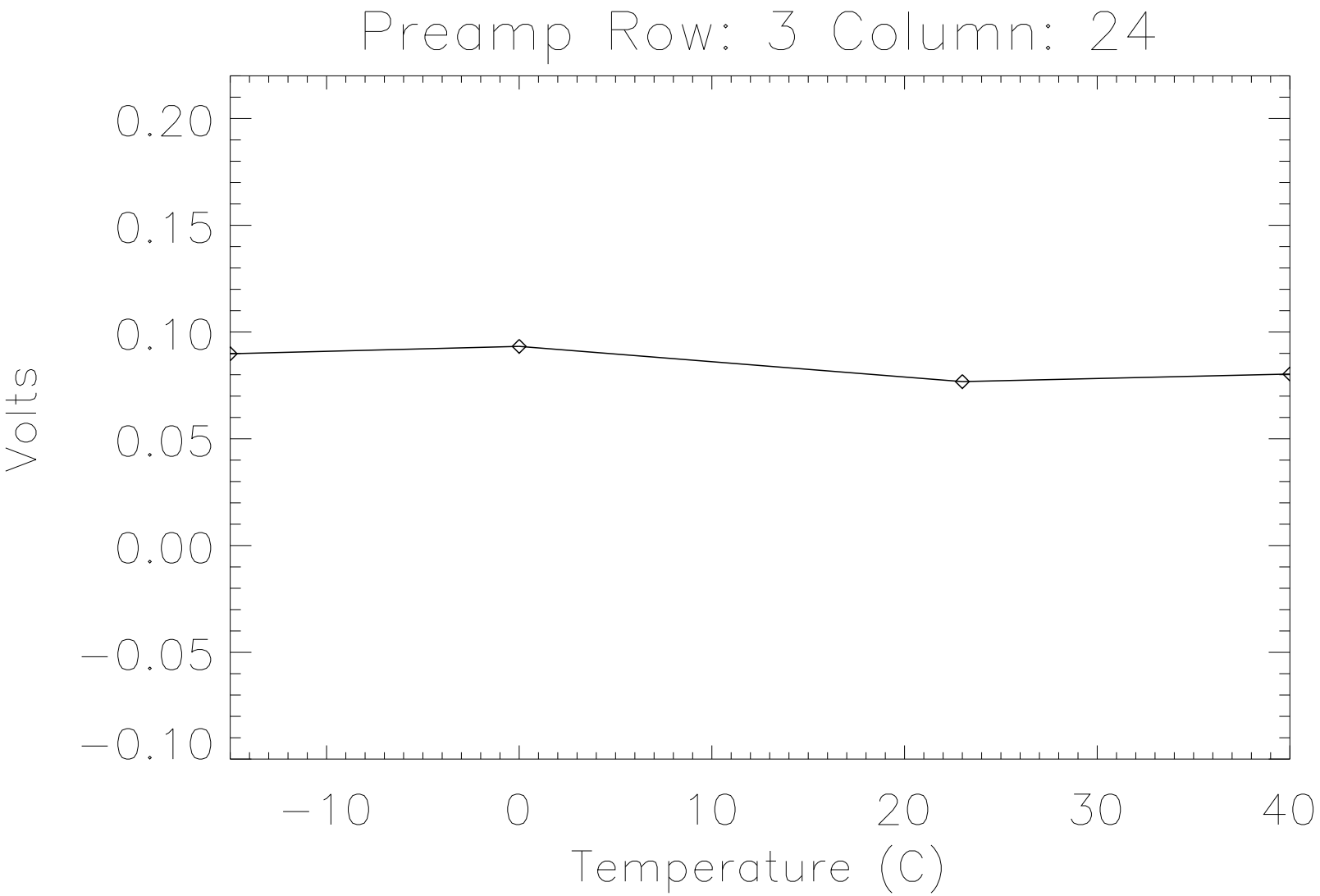

Shaper Row: 3 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

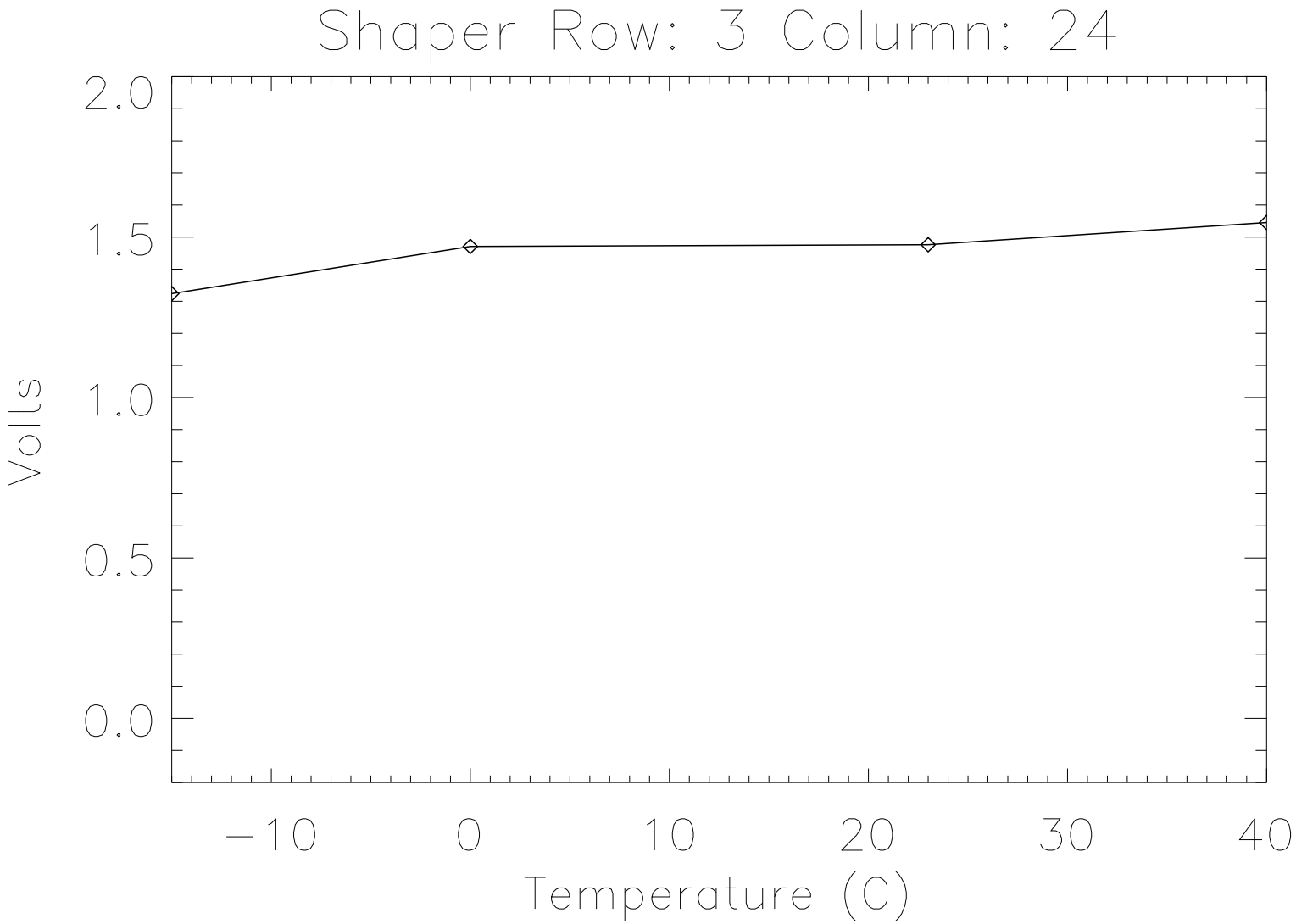

Leakage Row: 3 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

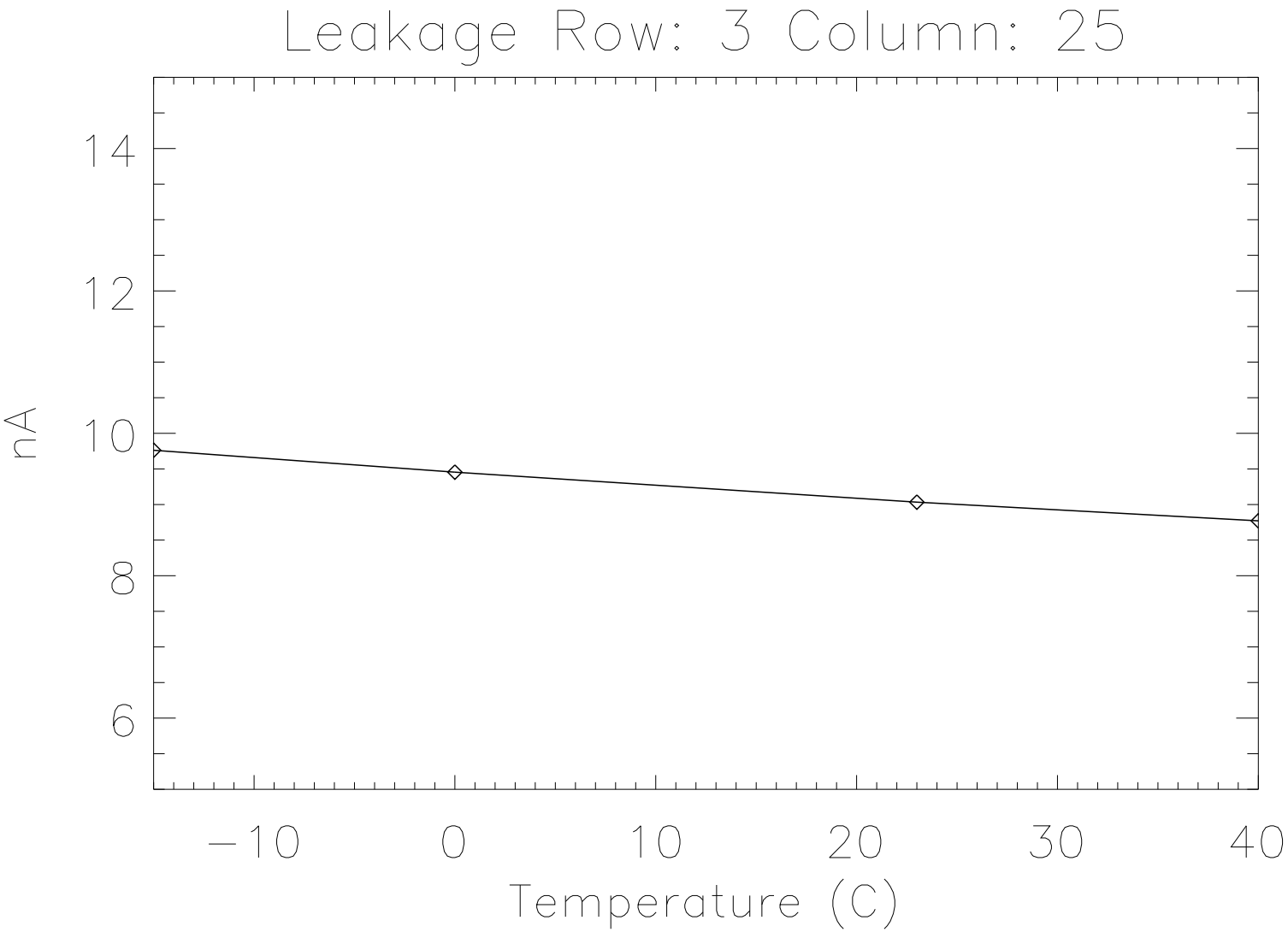

Preamp Row: 3 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

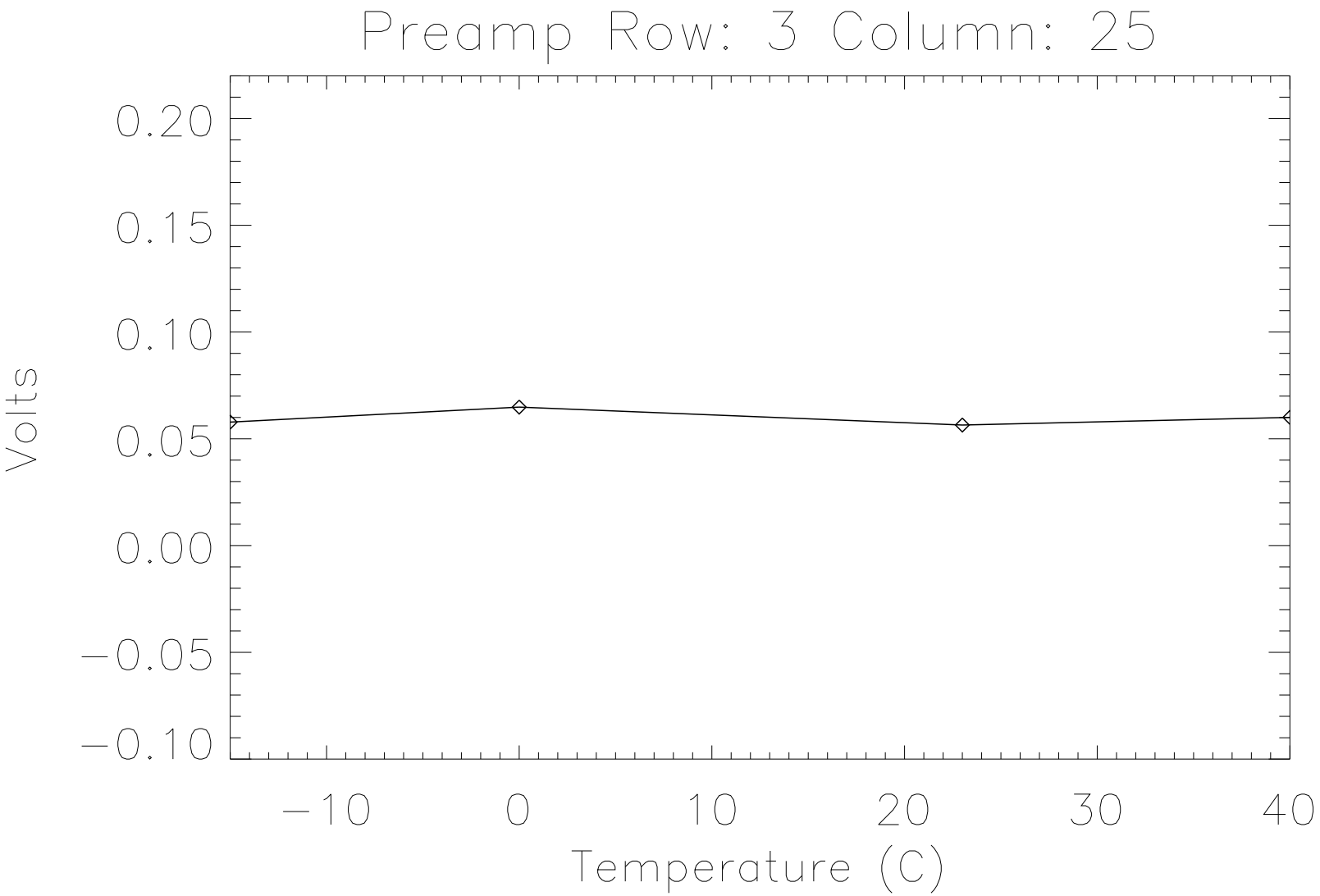

Shaper Row: 3 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

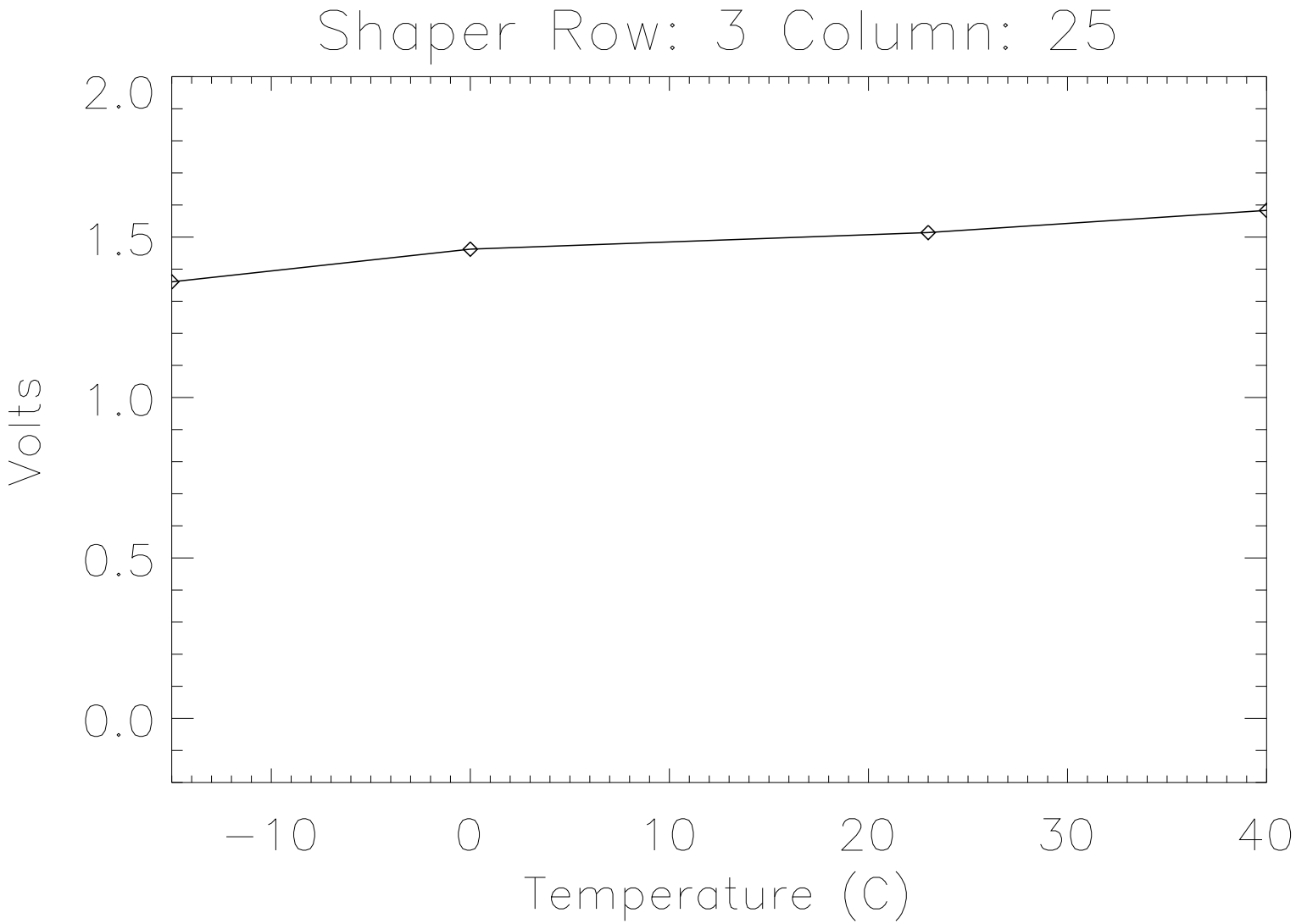

Leakage Row: 3 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

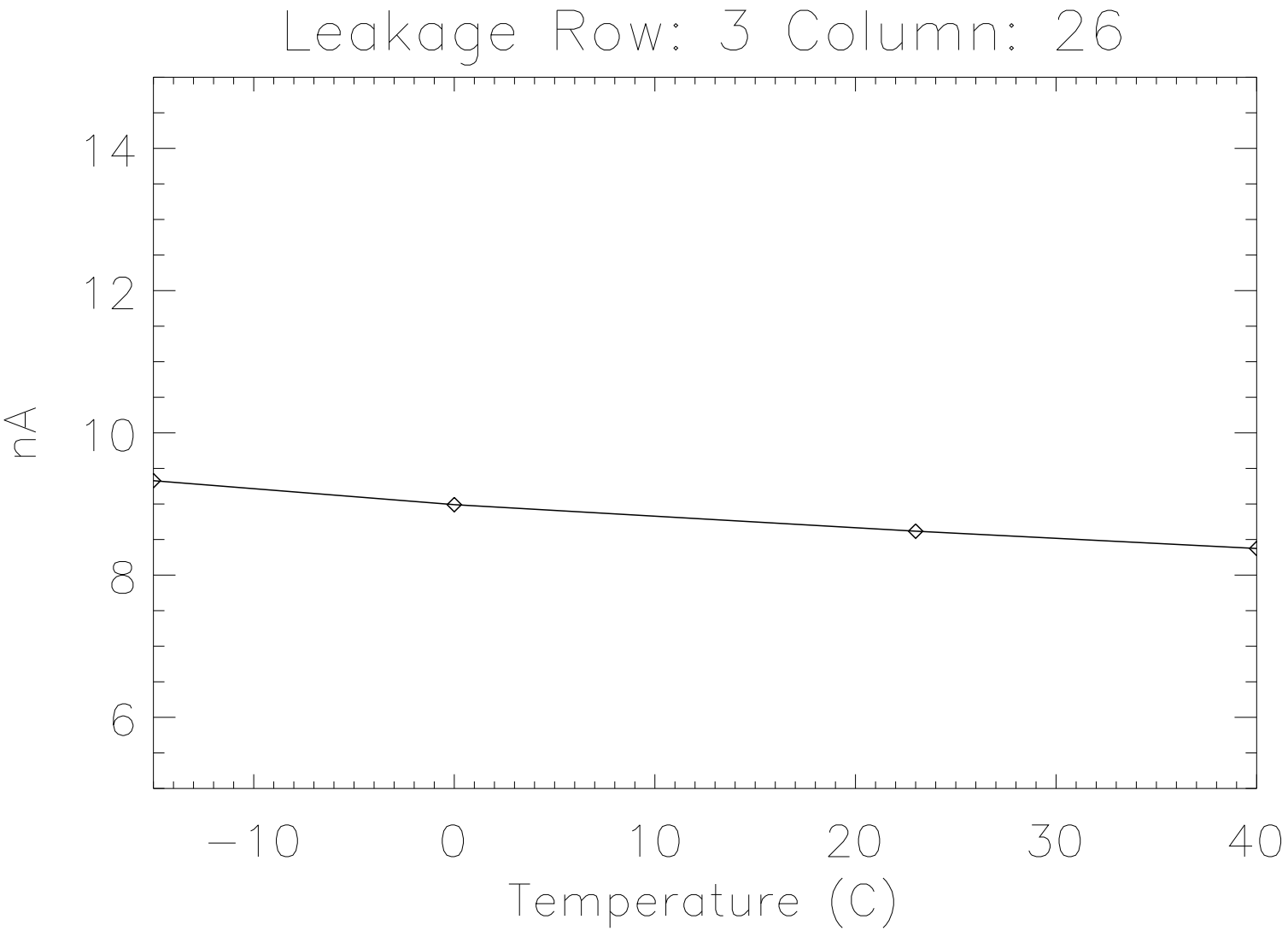

Preamp Row: 3 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

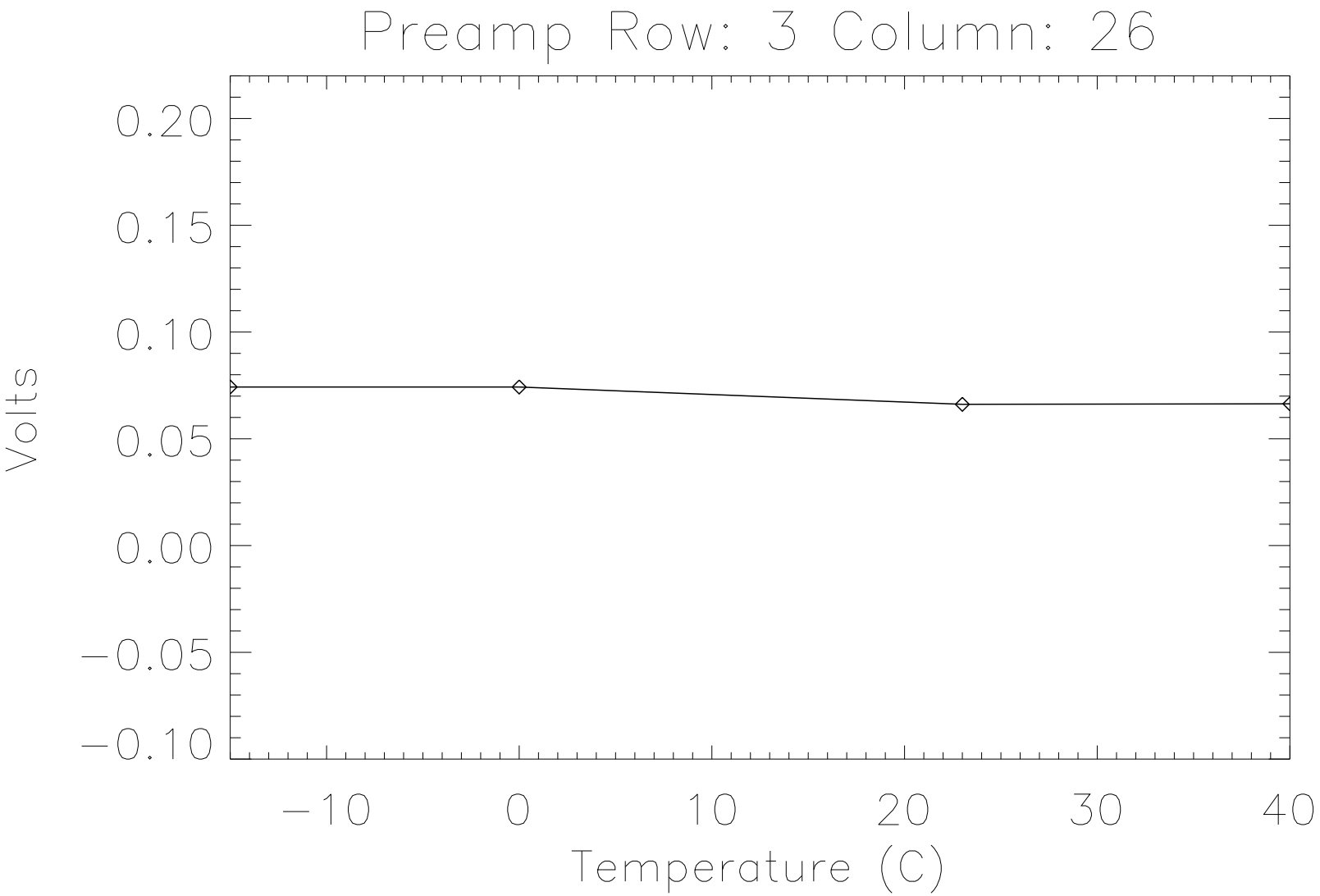

Shaper Row: 3 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

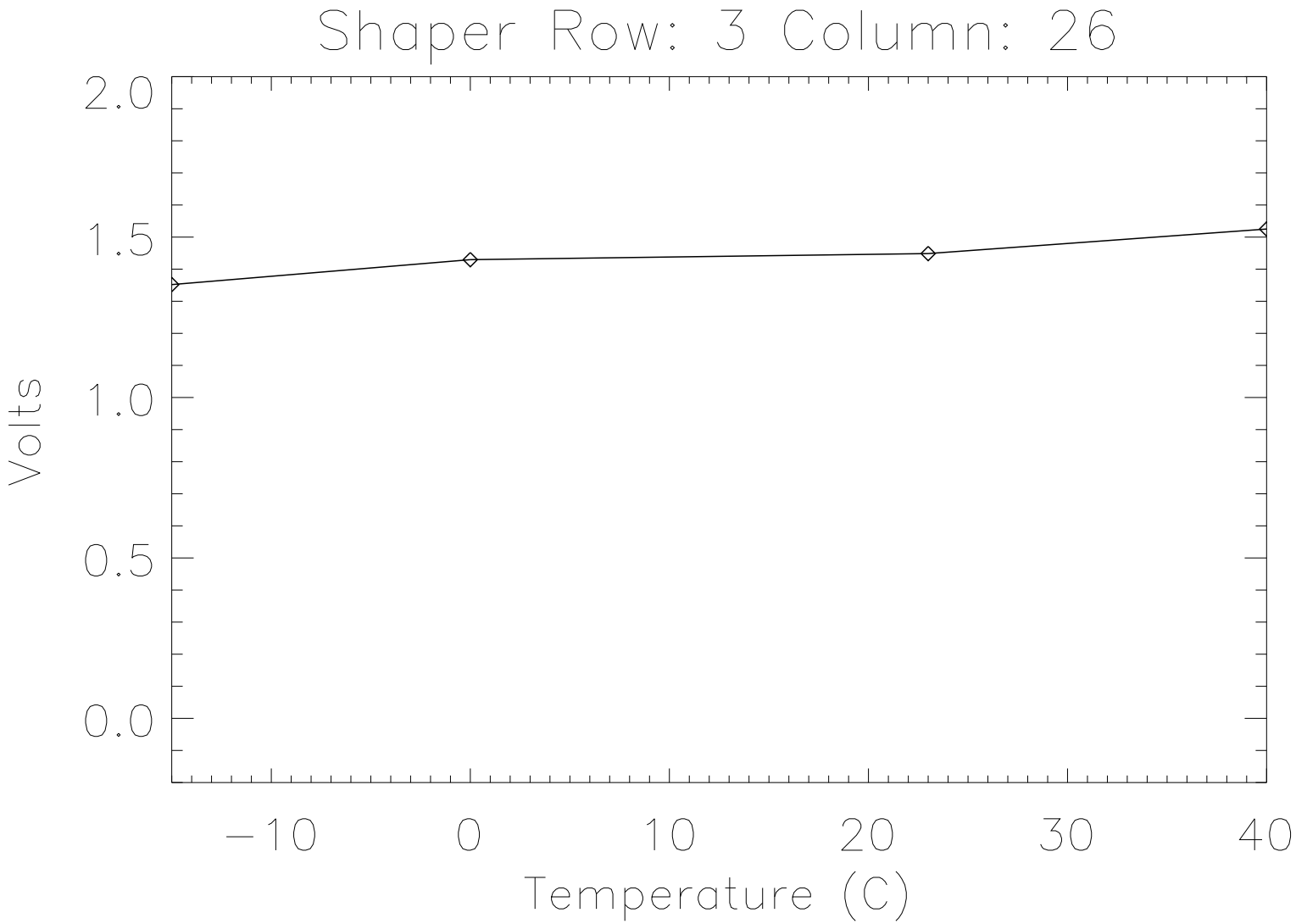

Leakage Row: 3 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

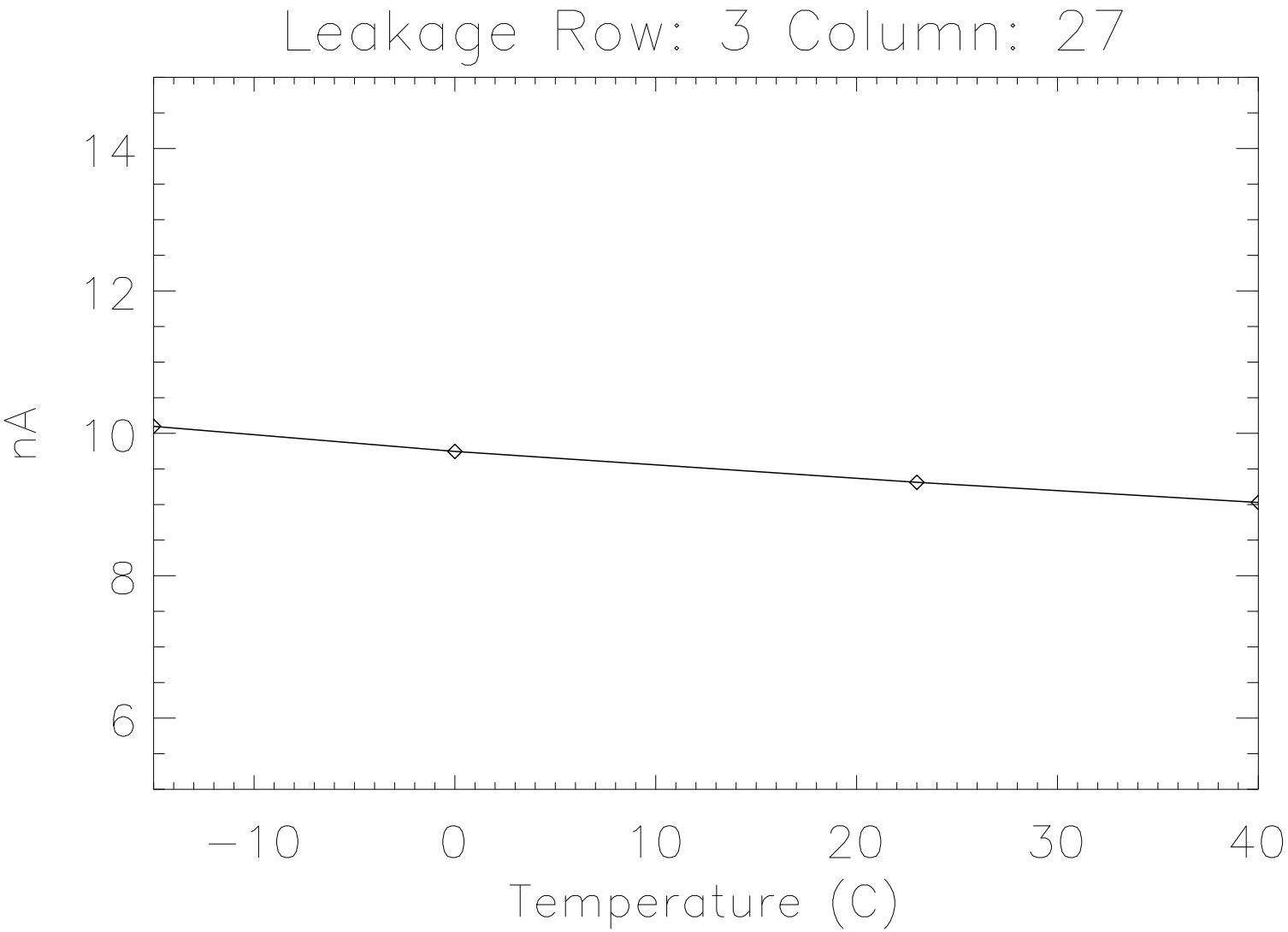

Preamp Row: 3 Column: 25
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

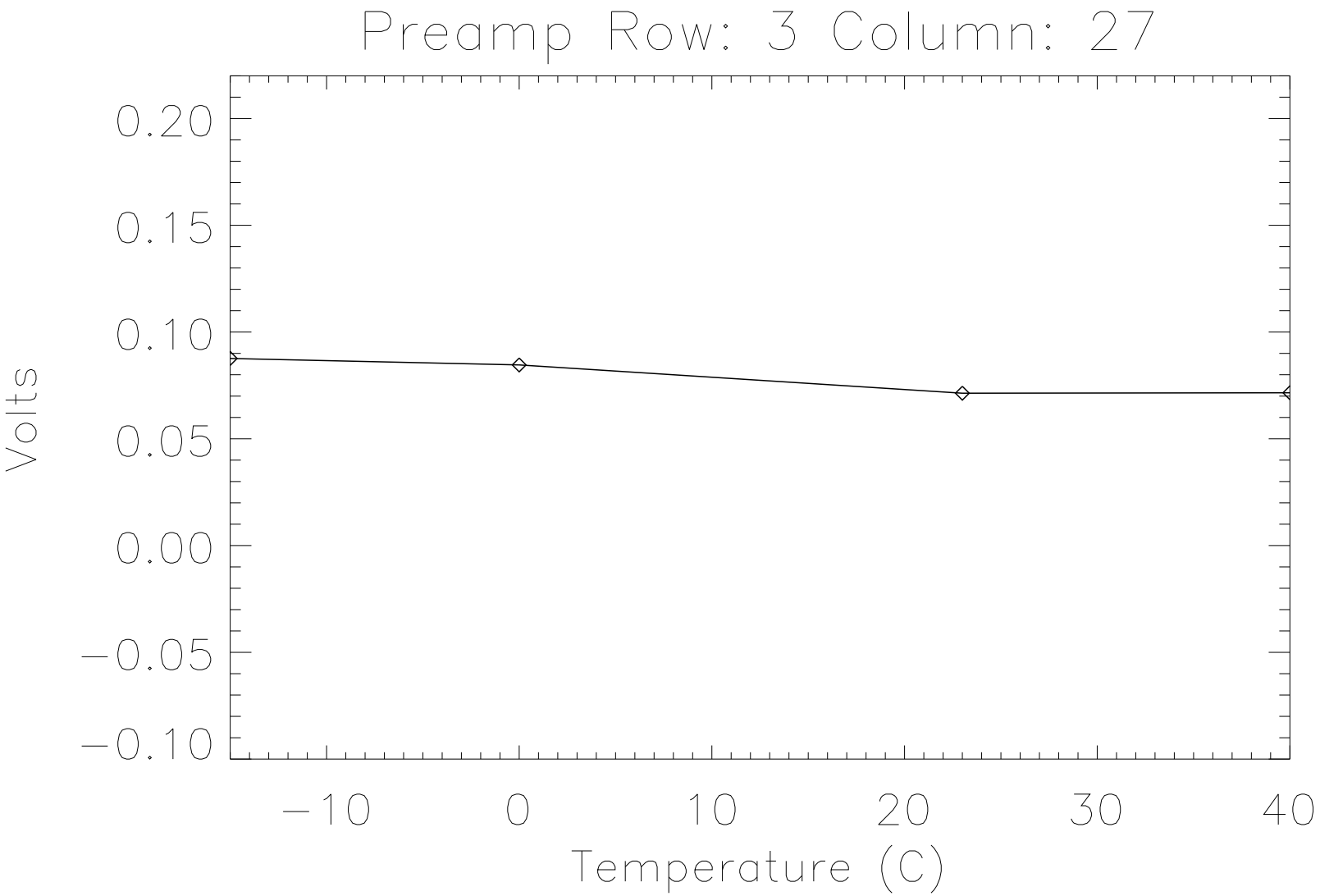

Shaper Row: 3 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

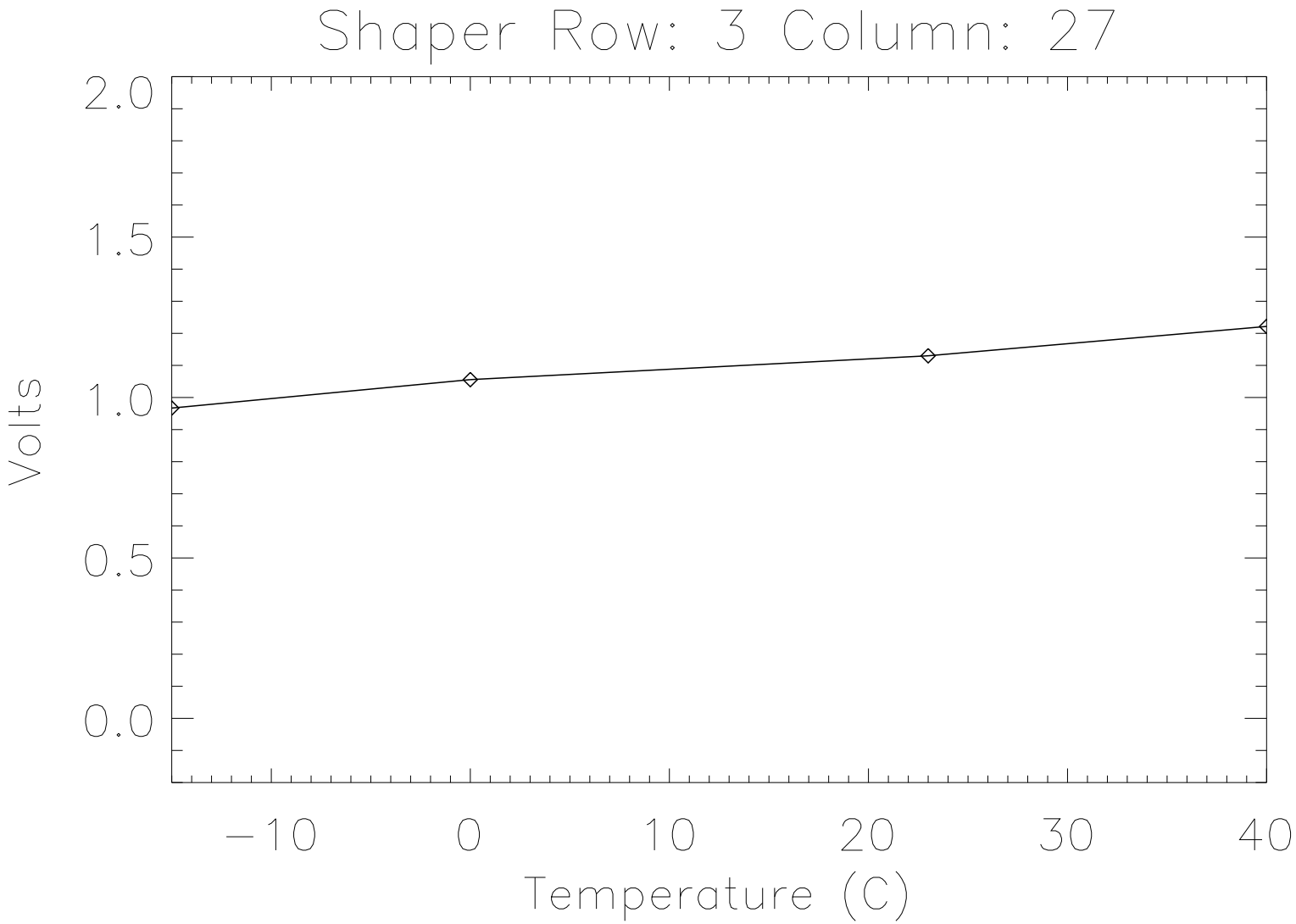

Leakage Row: 3 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

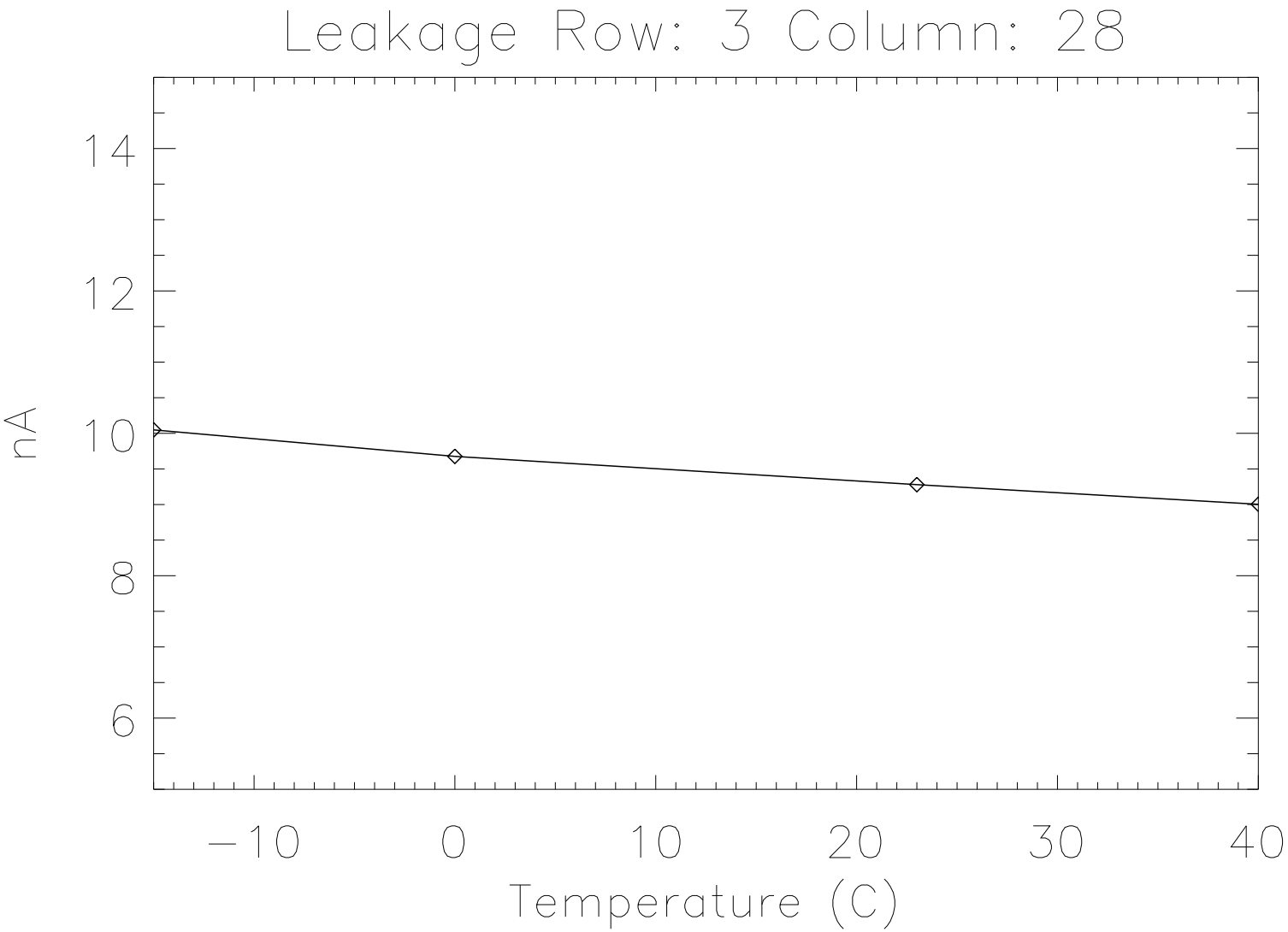

Preamp Row: 3 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

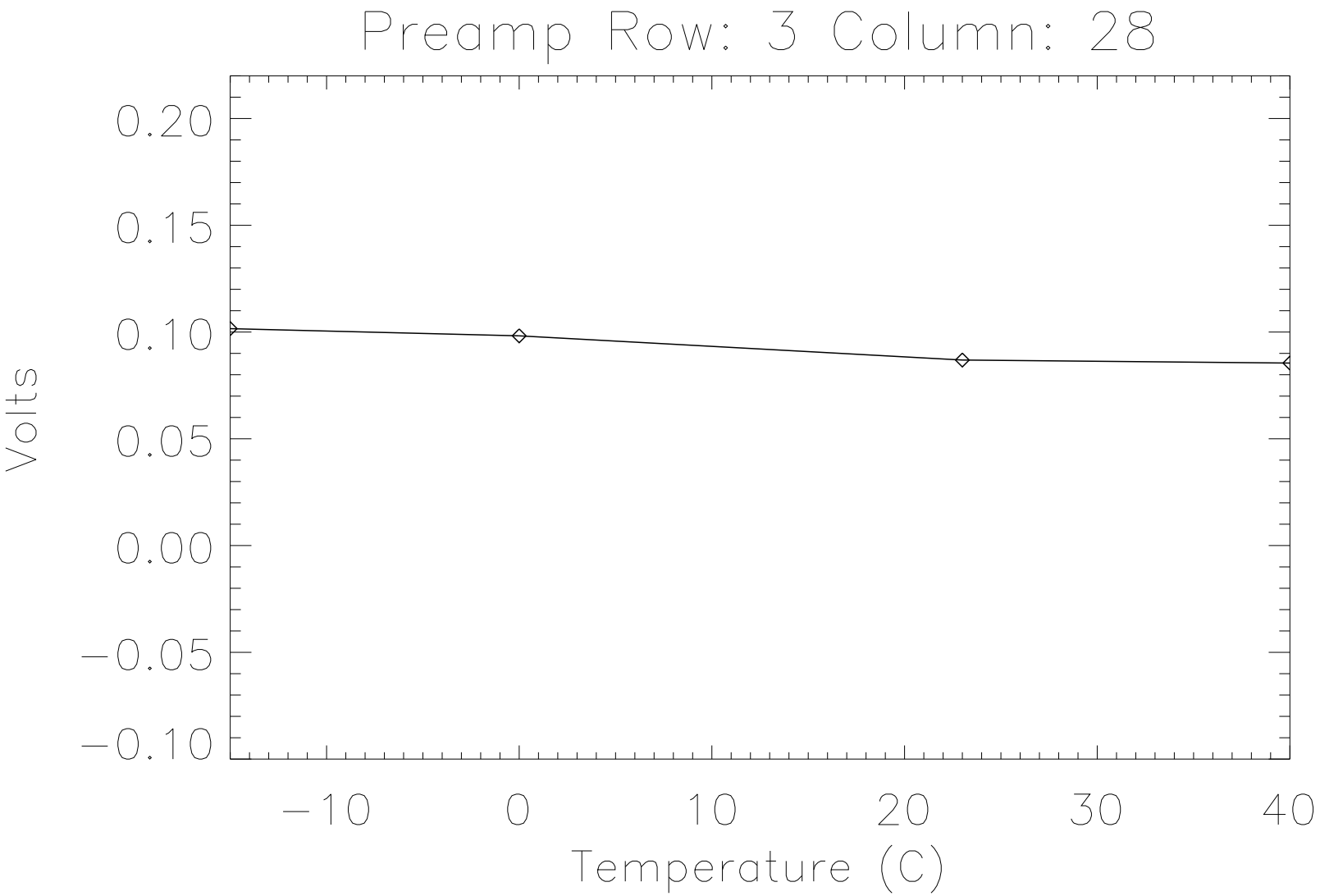

Shaper Row: 3 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 3 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 3 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 3 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 3 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 3 Column: 28
0.20
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0.10
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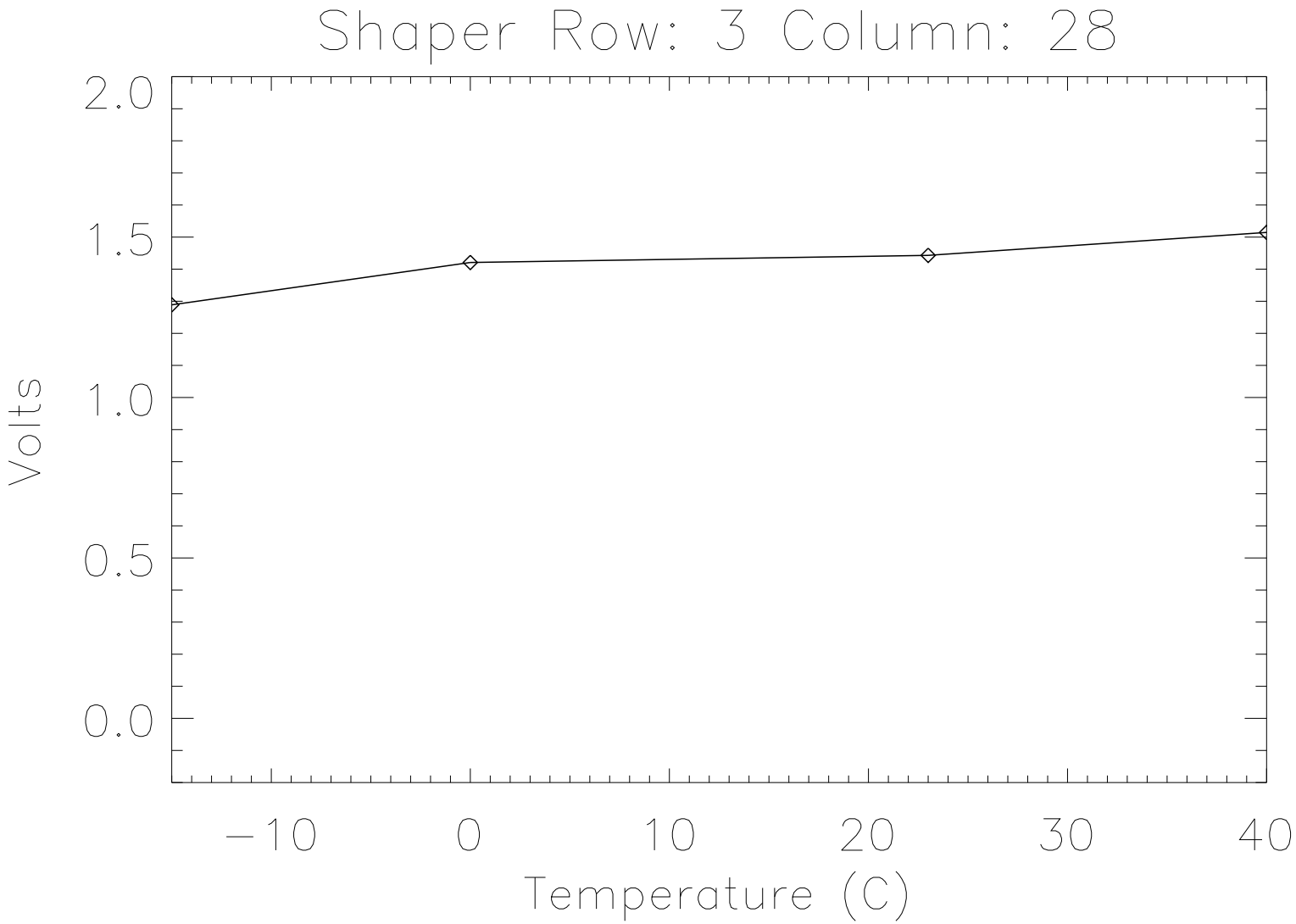
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 3 Column: 28
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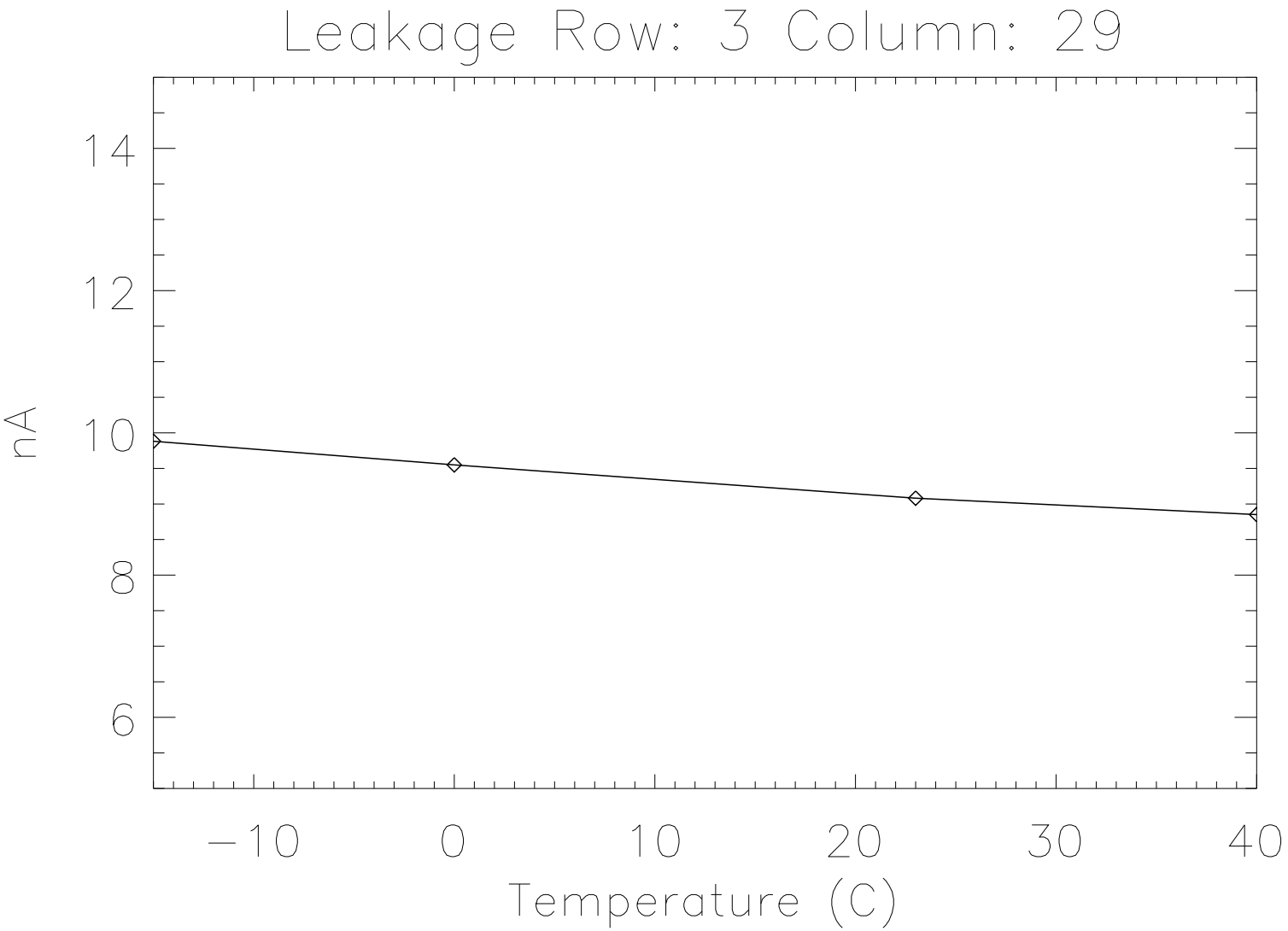
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 3 Column: 29
nA
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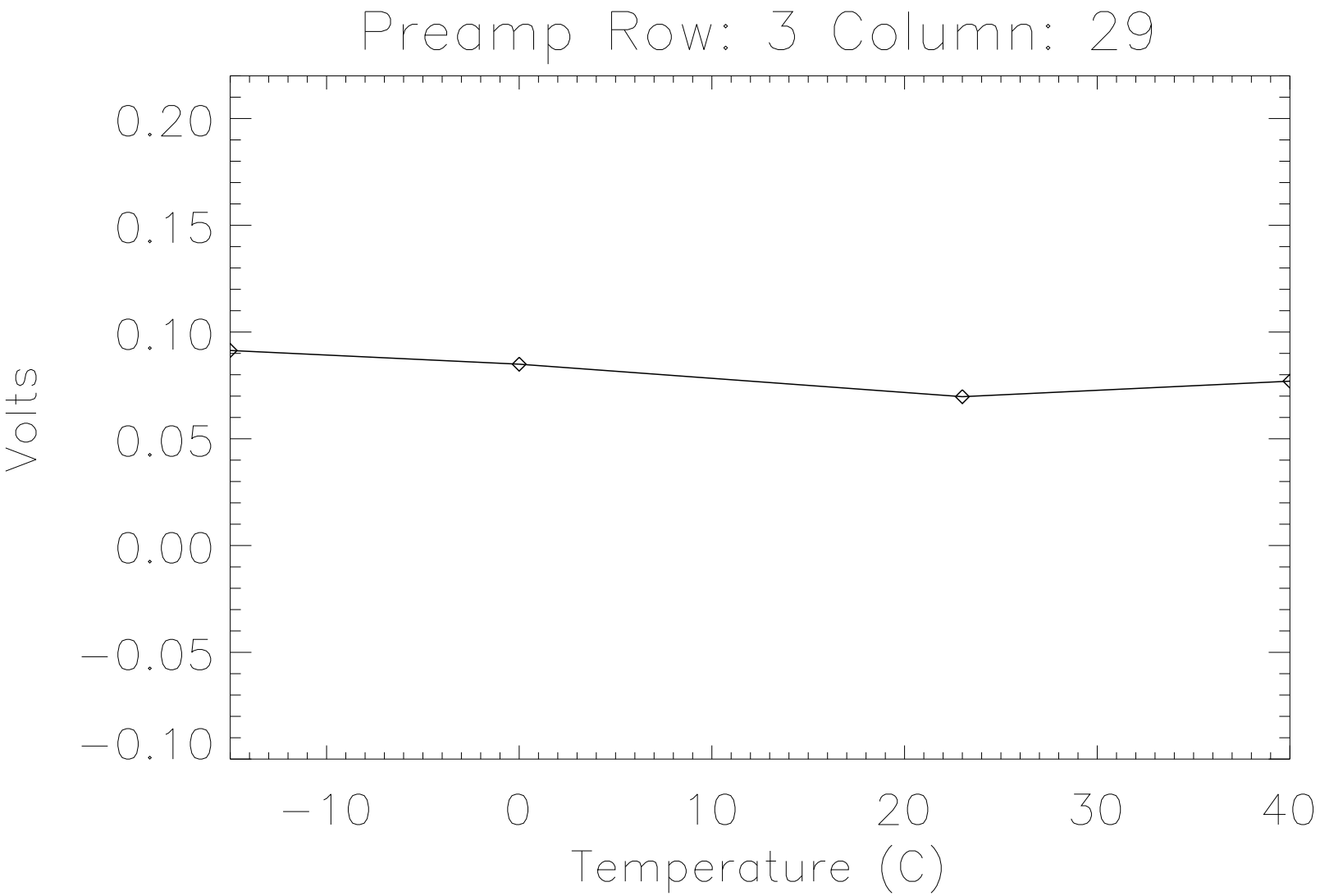
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 3 Column: 29
0.20
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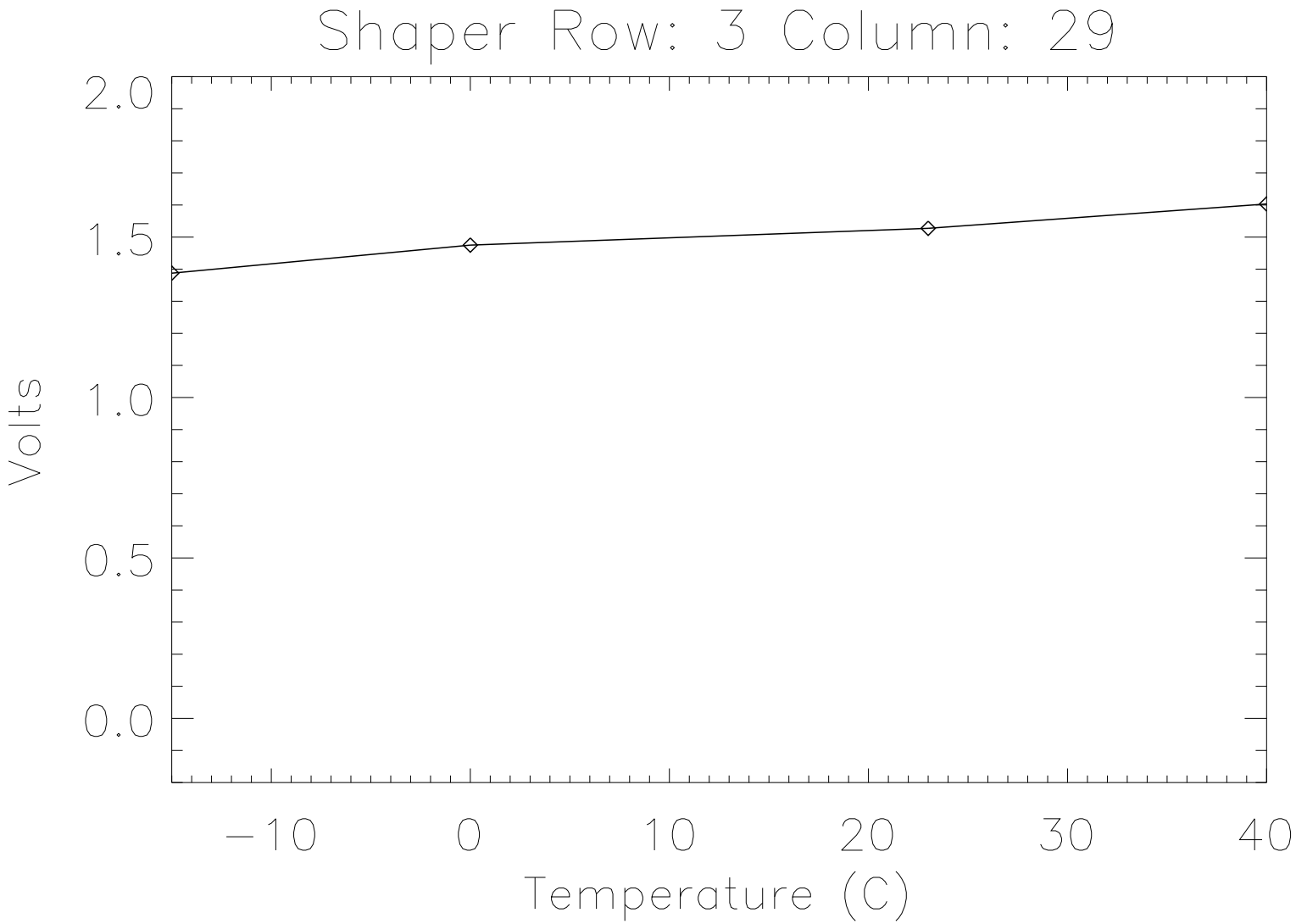
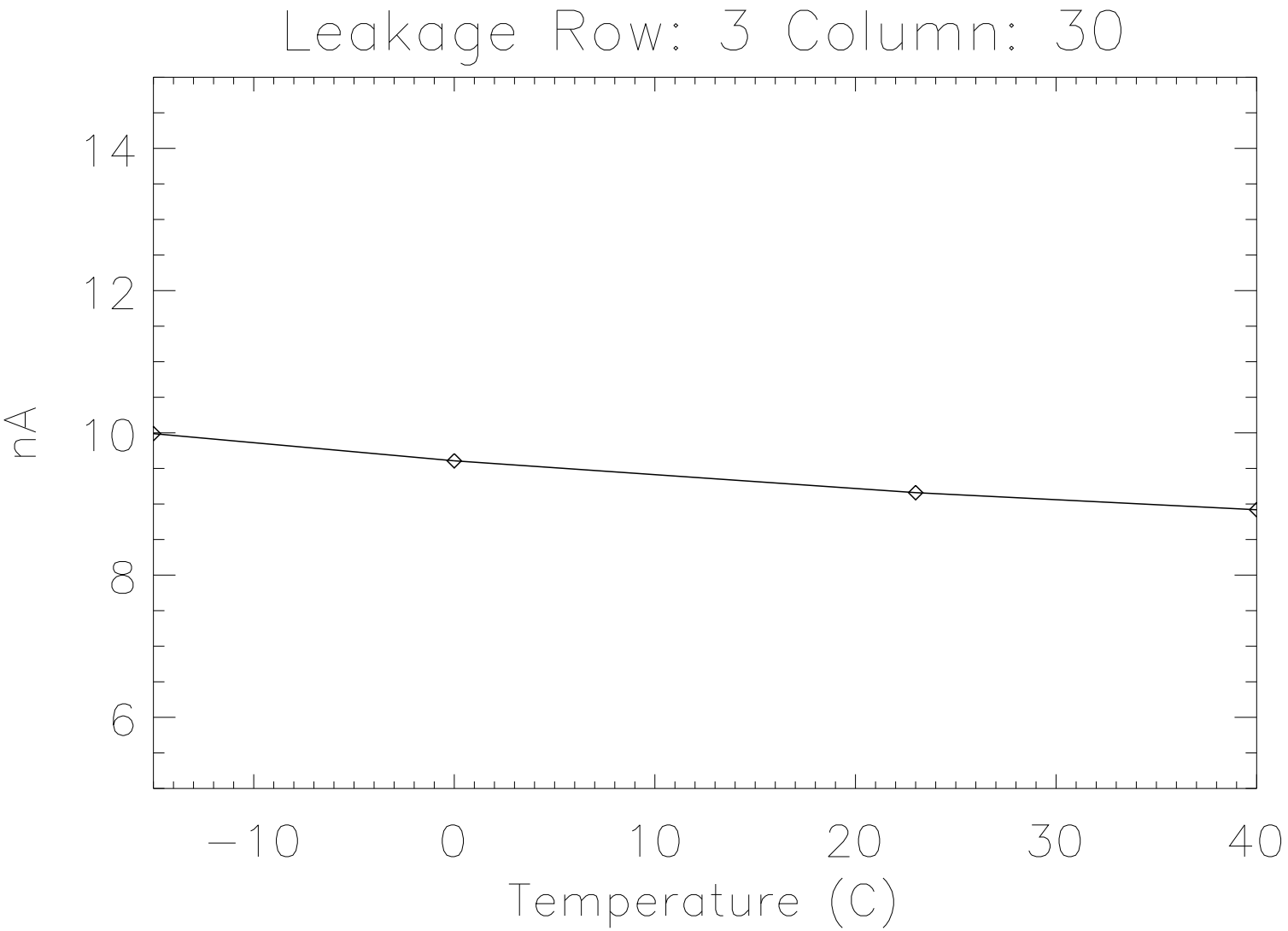
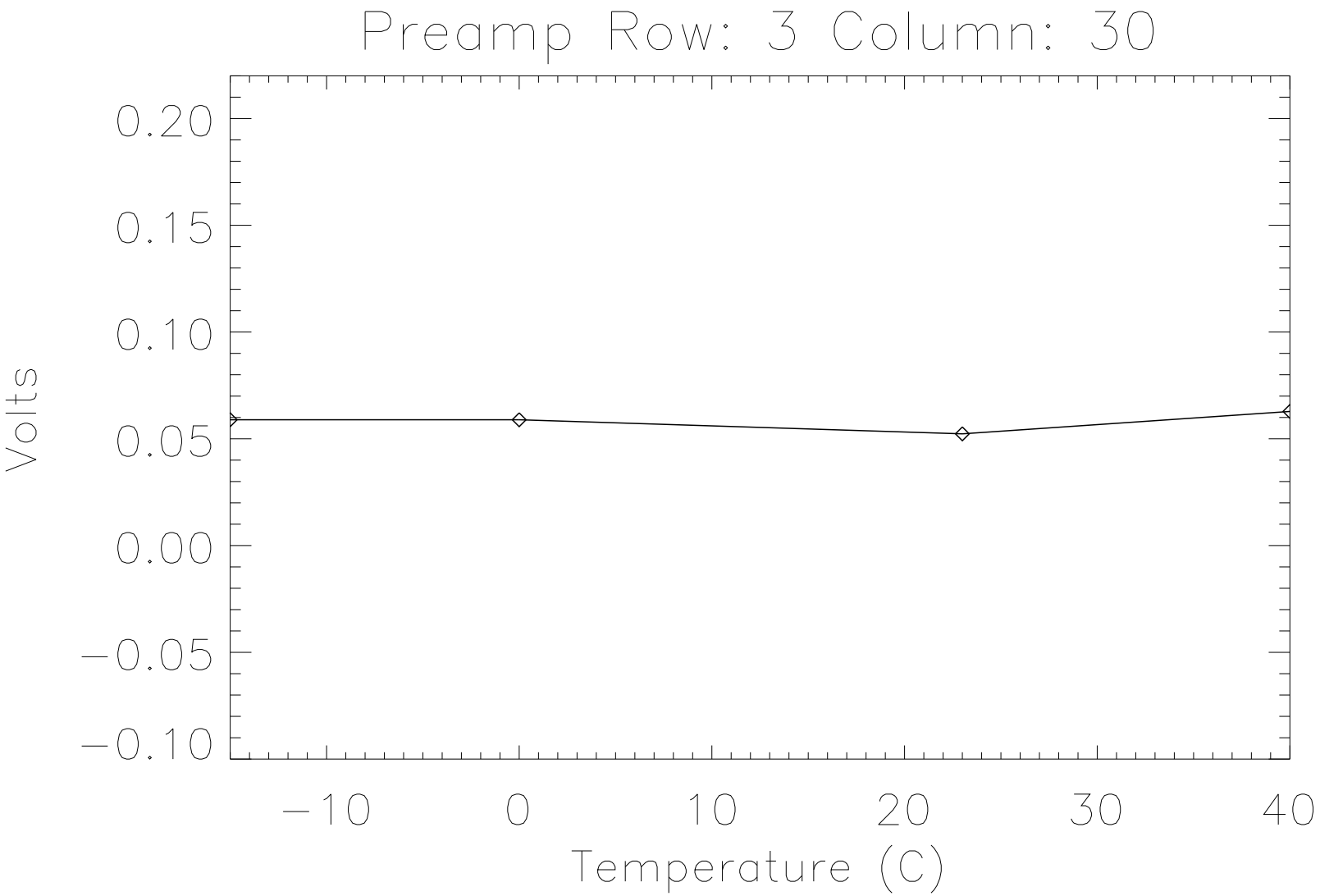
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 3 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 3 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 3 Column: 30
Volts
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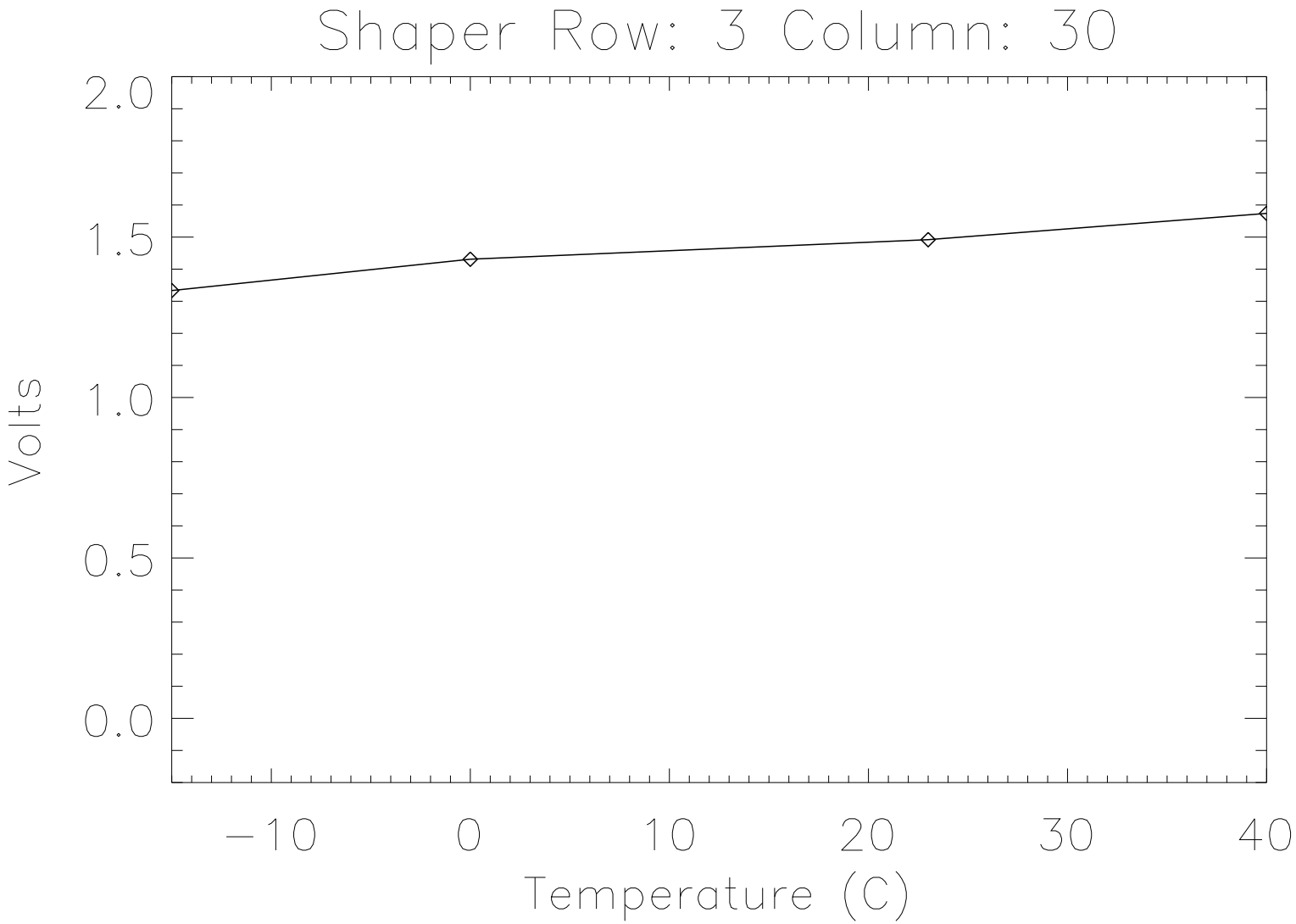
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 3 Column: 30
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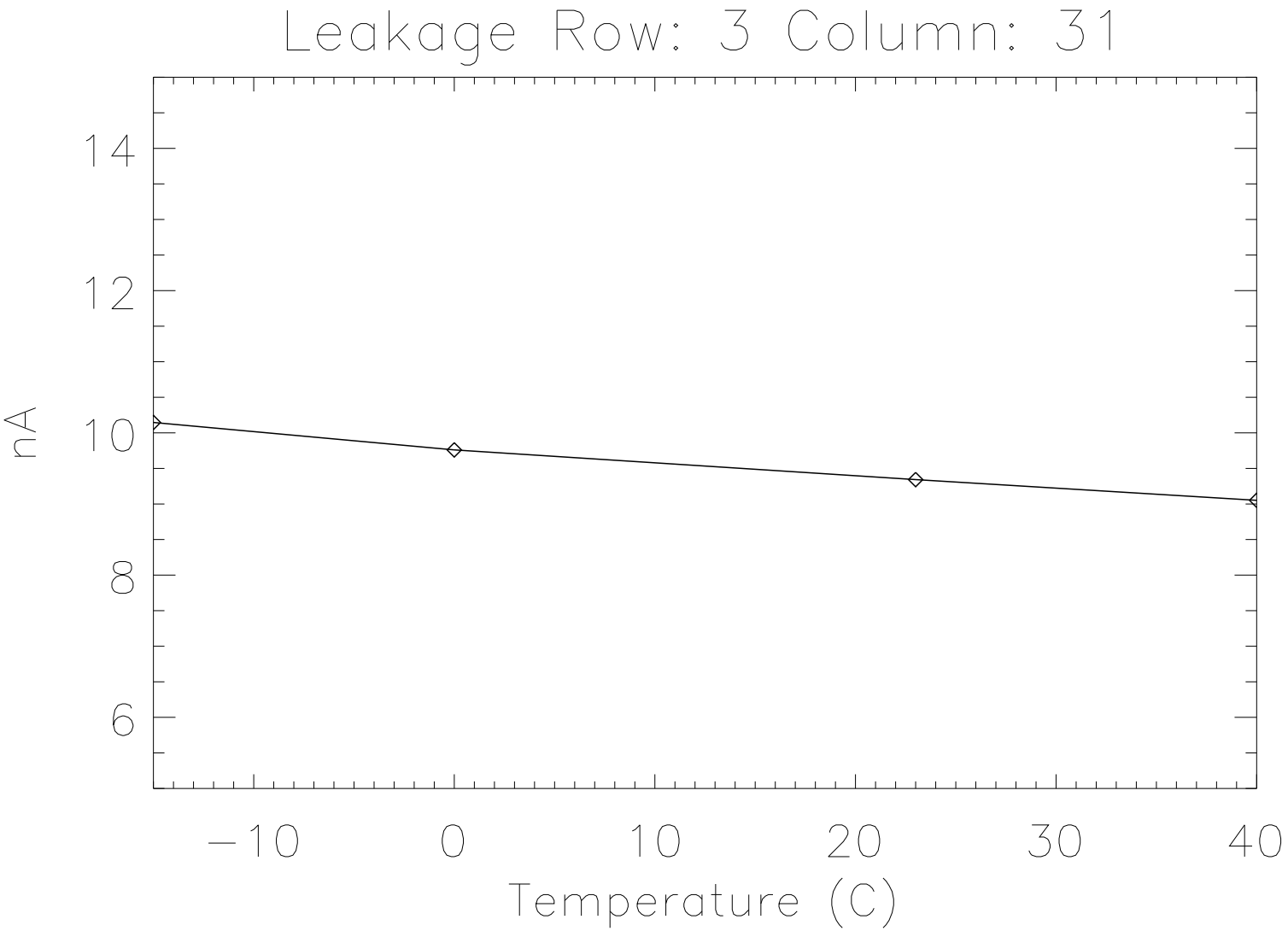
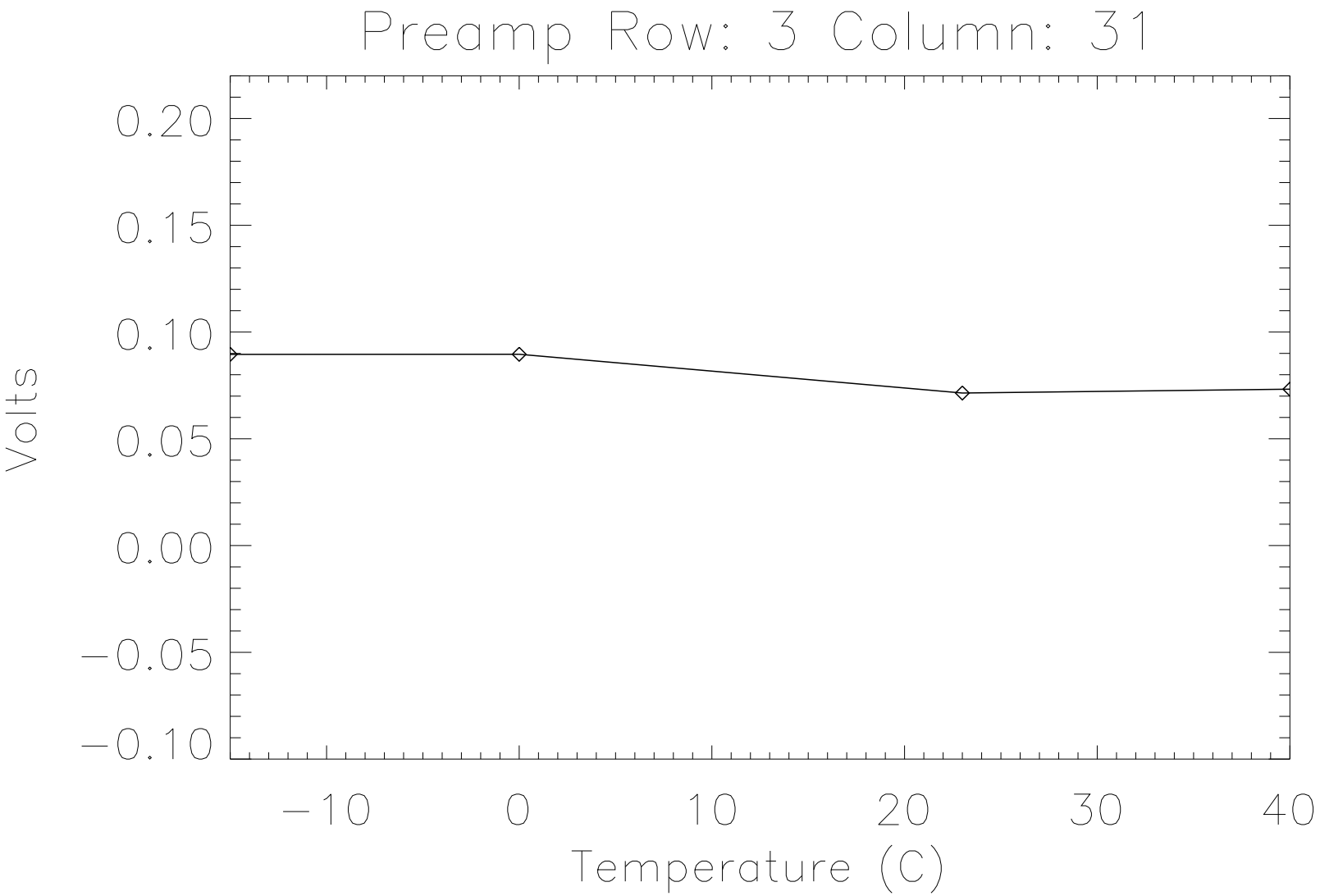
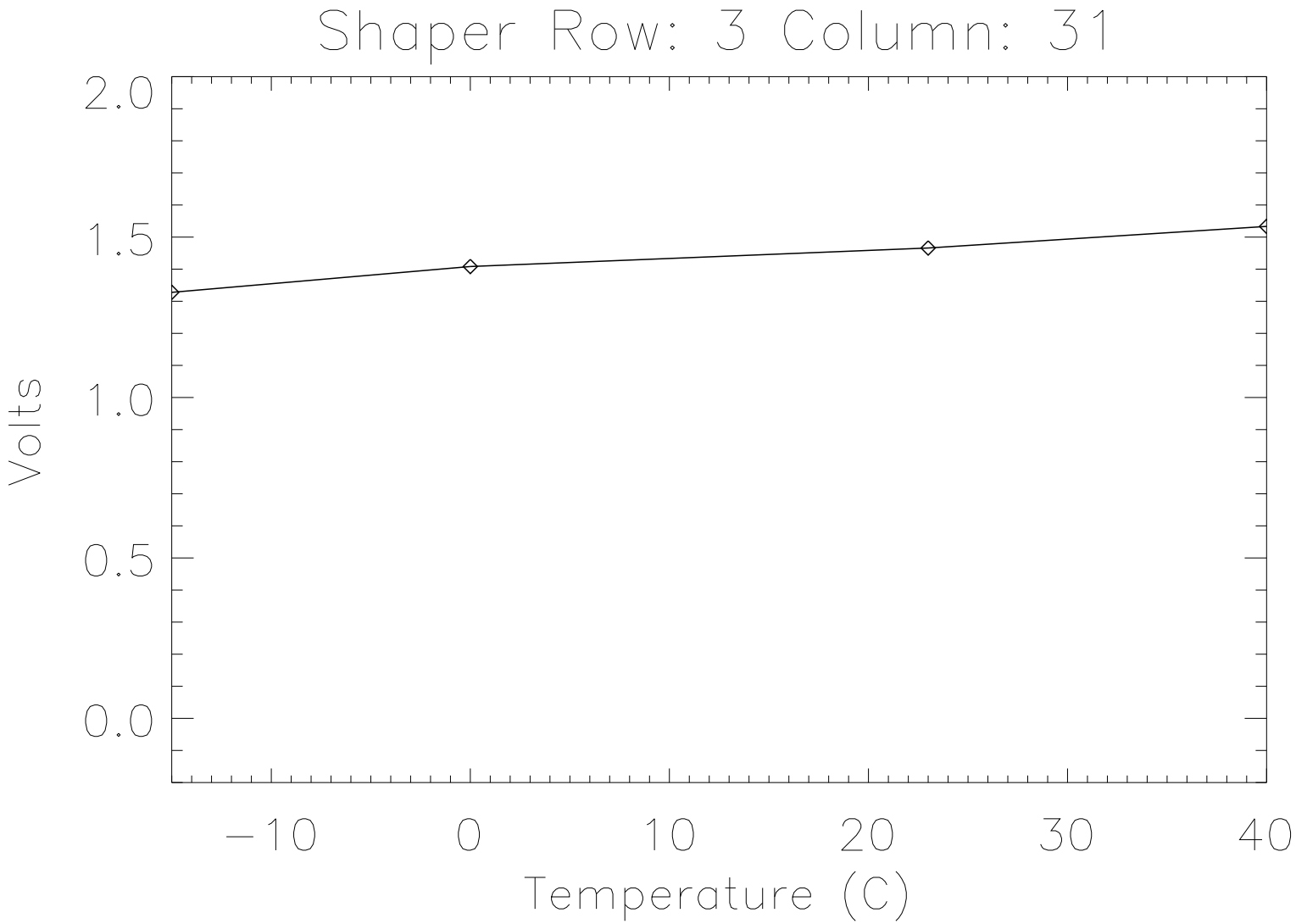
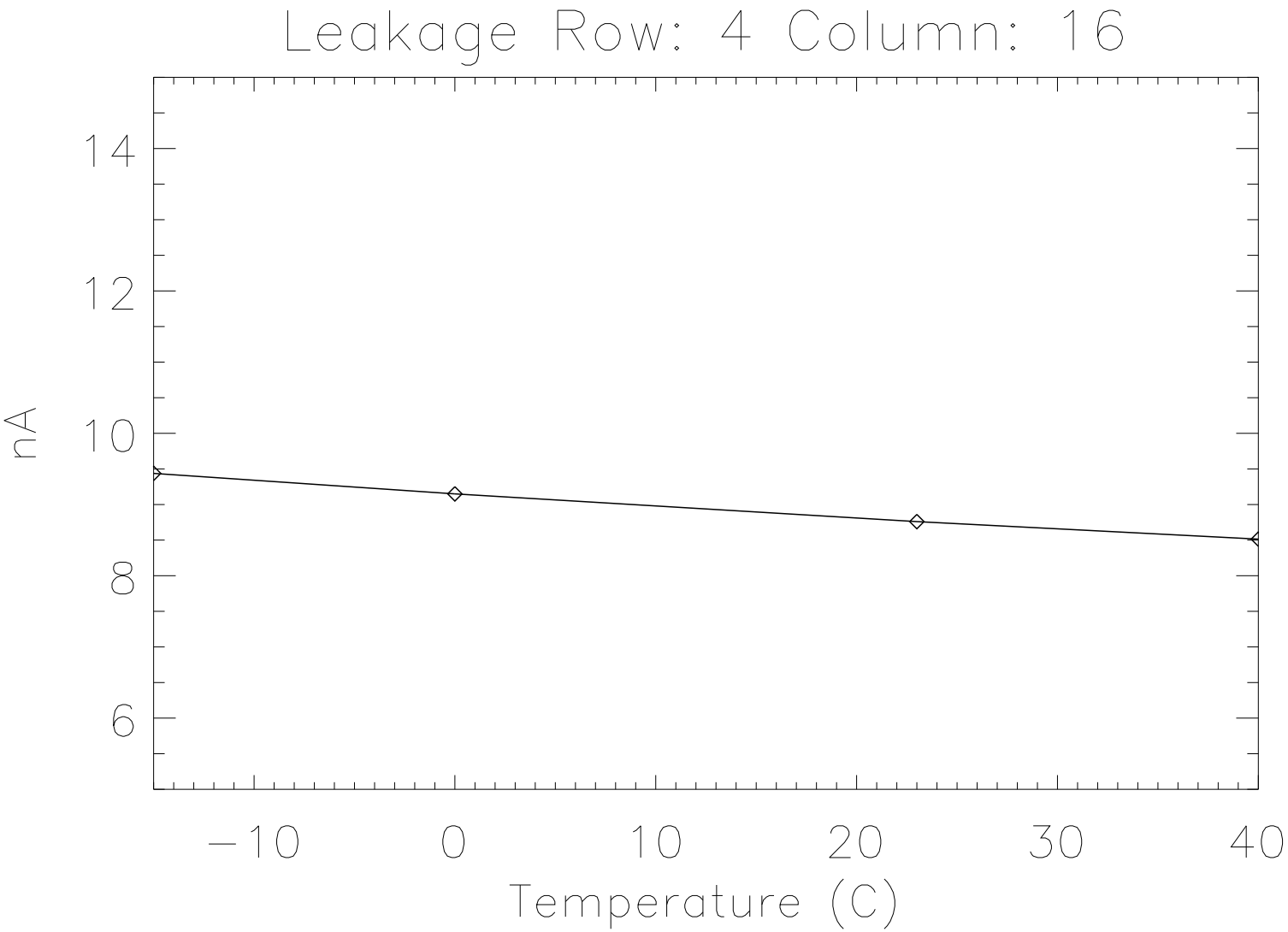
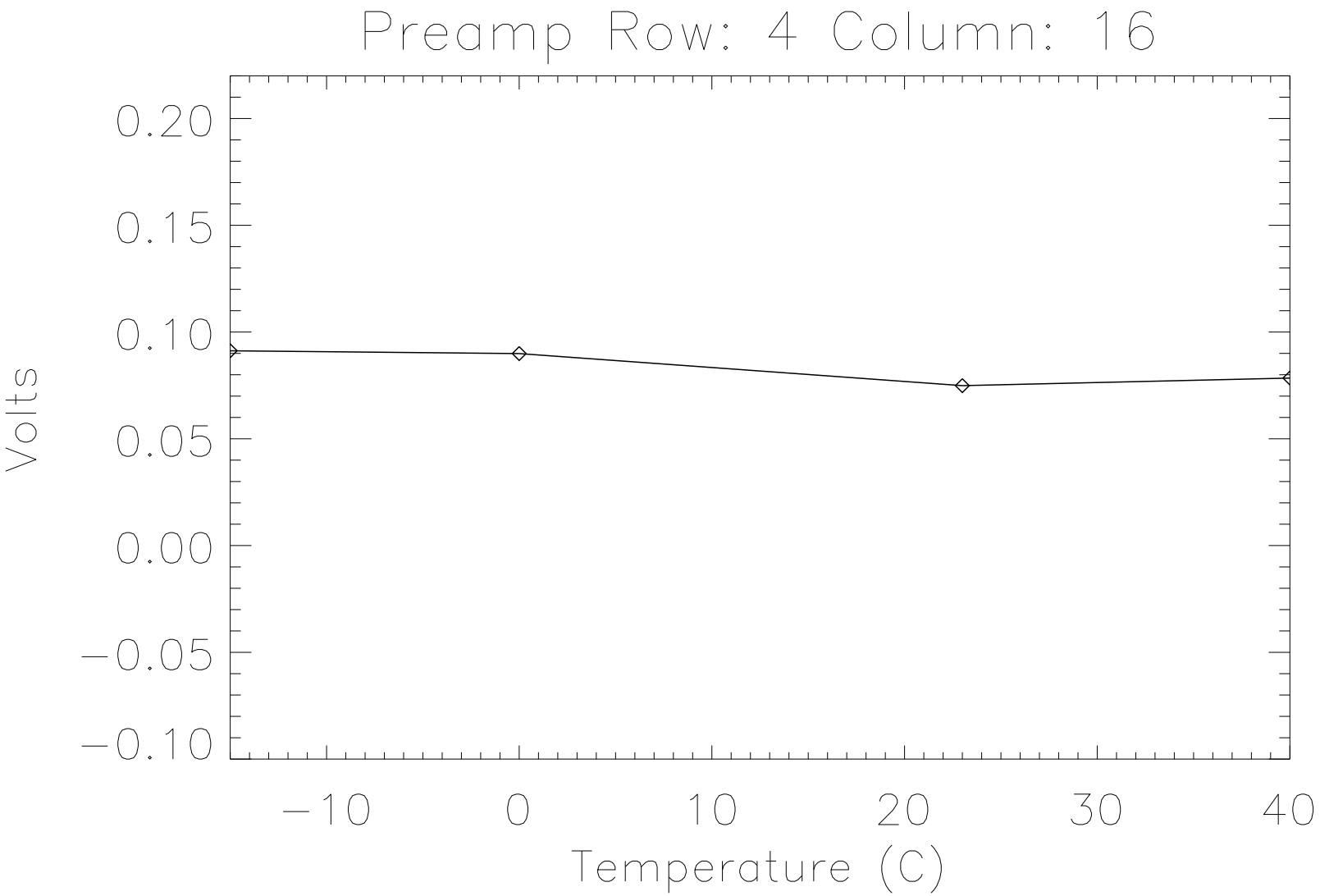
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

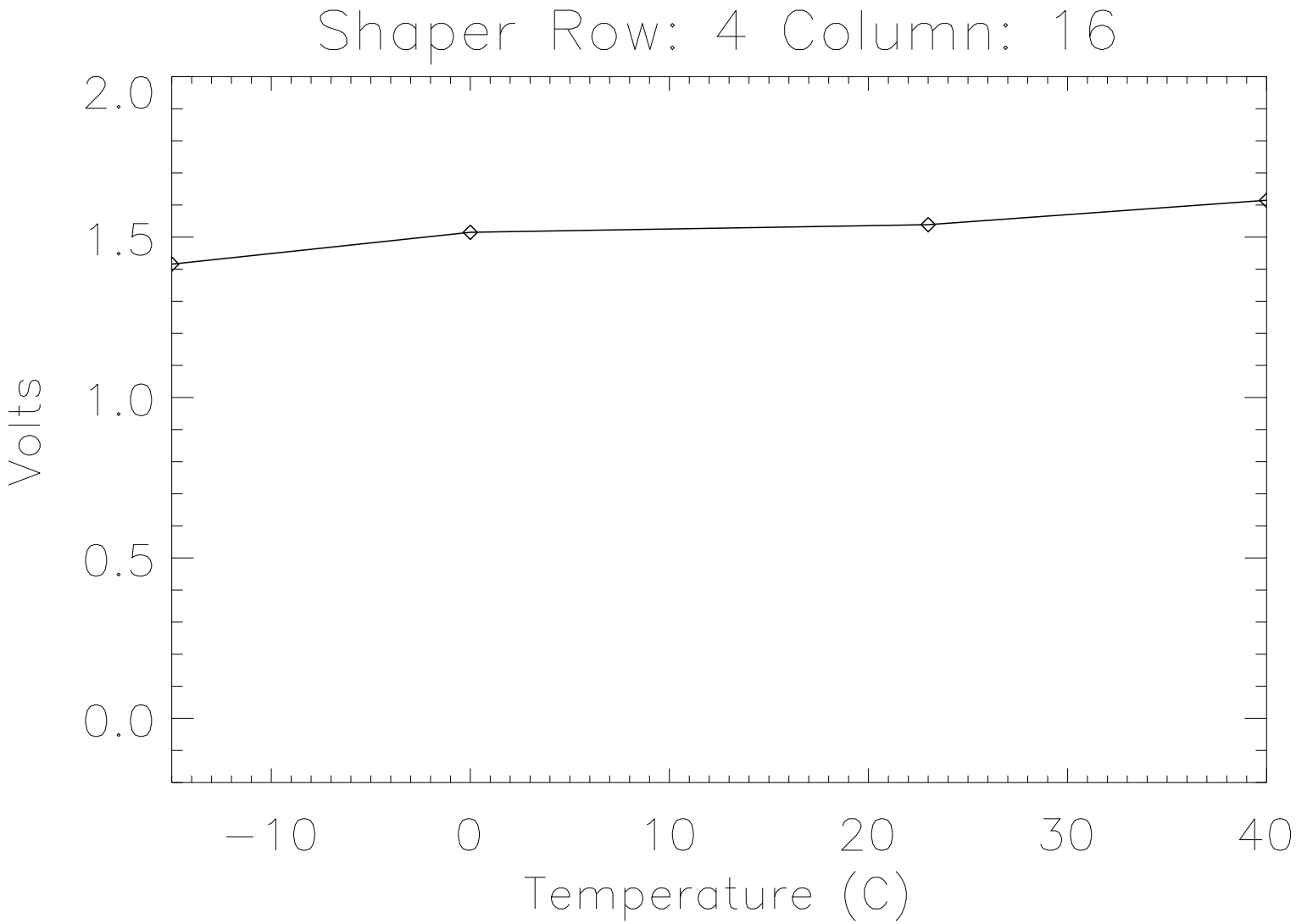

Leakage Row: 3 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

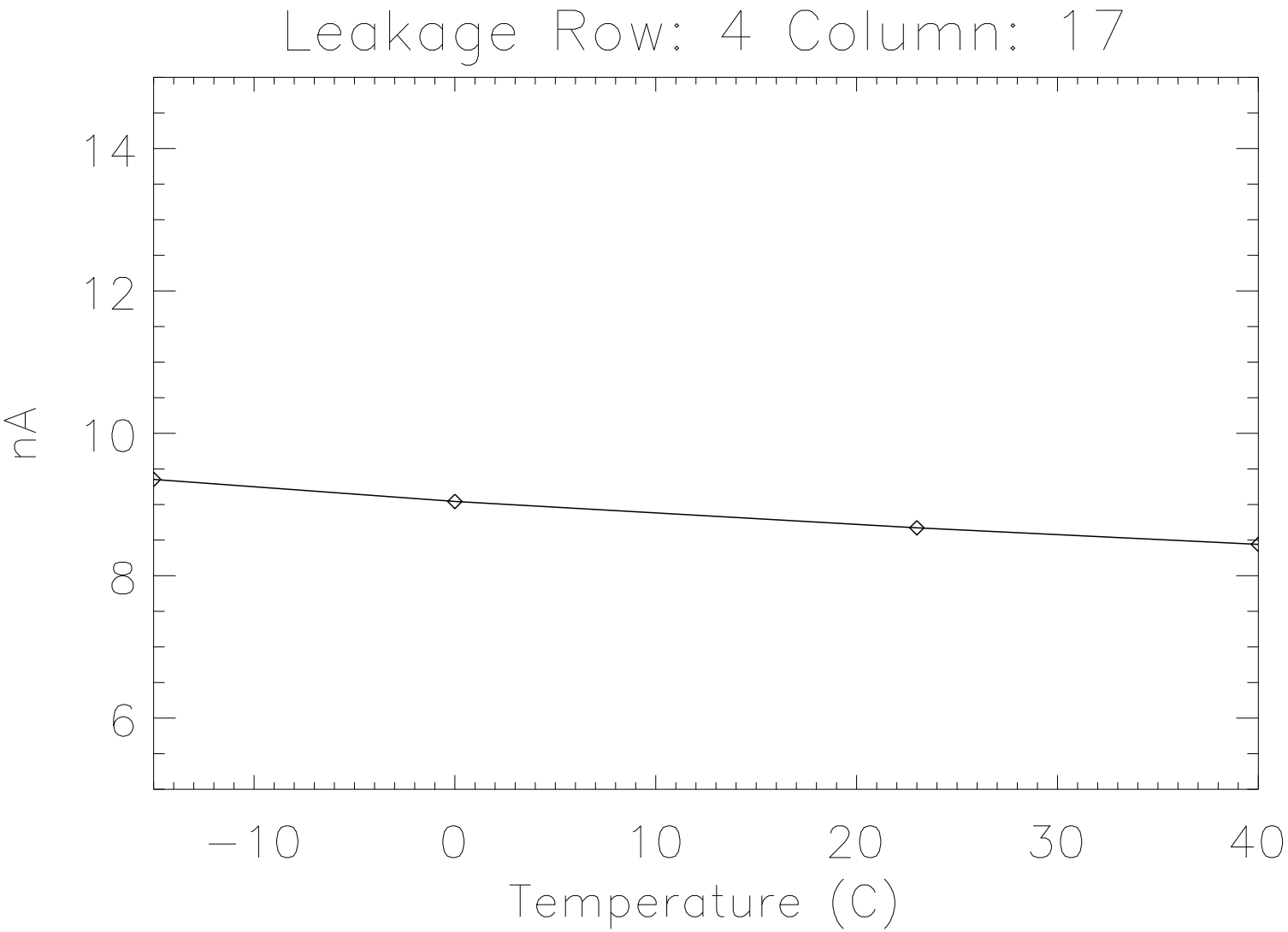

Preamp Row: 3 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

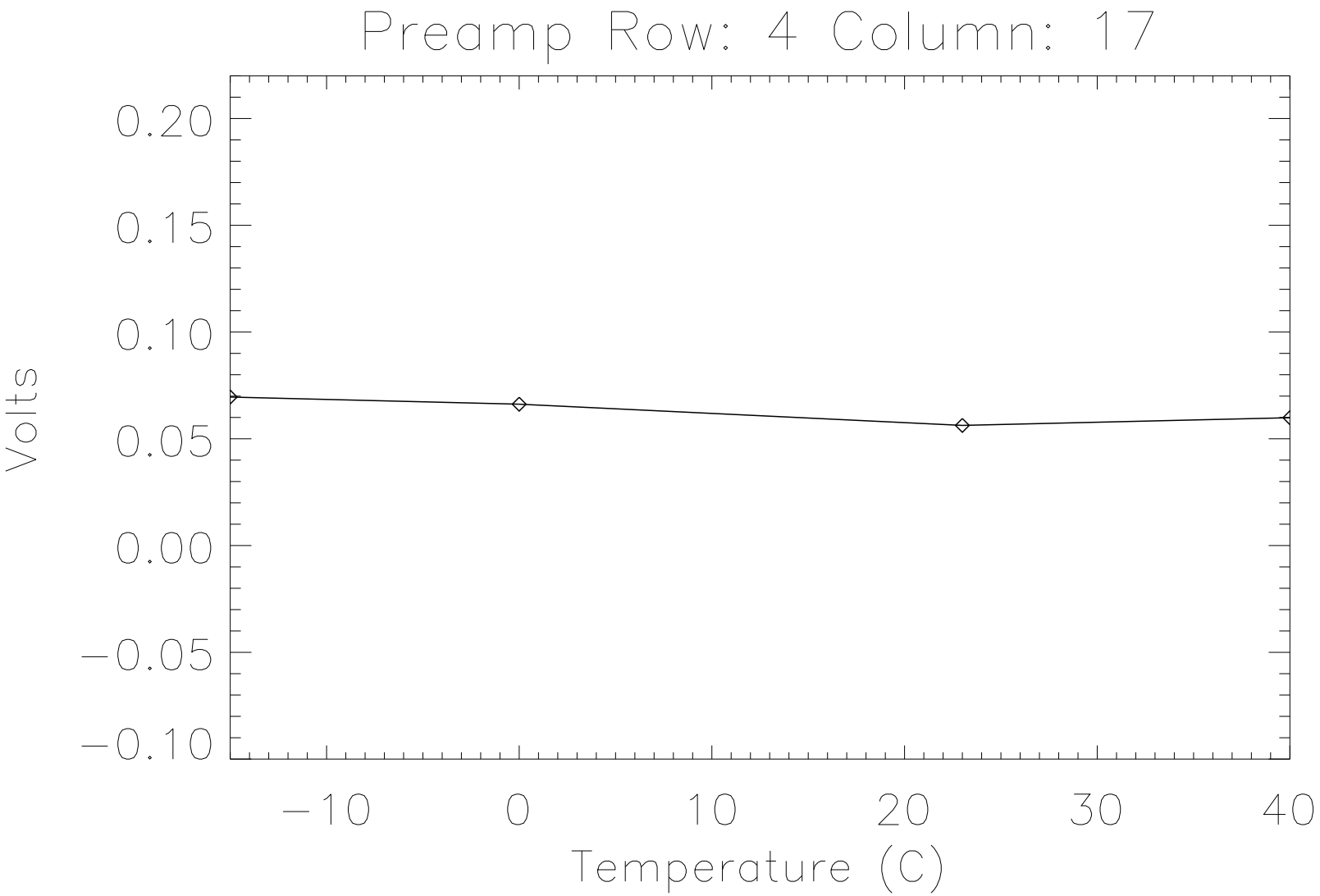

Shaper Row: 3 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

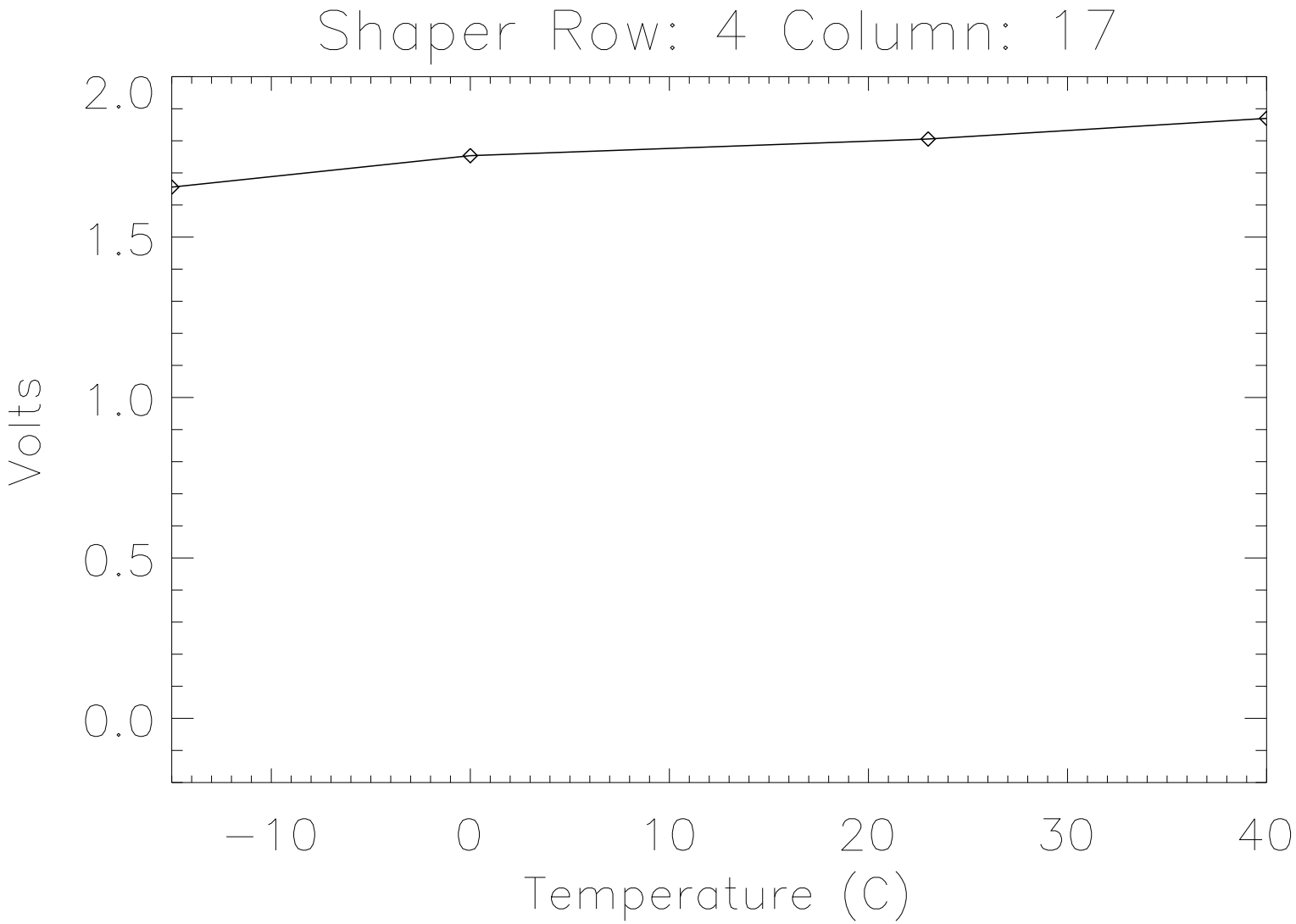

Leakage Row: 4 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

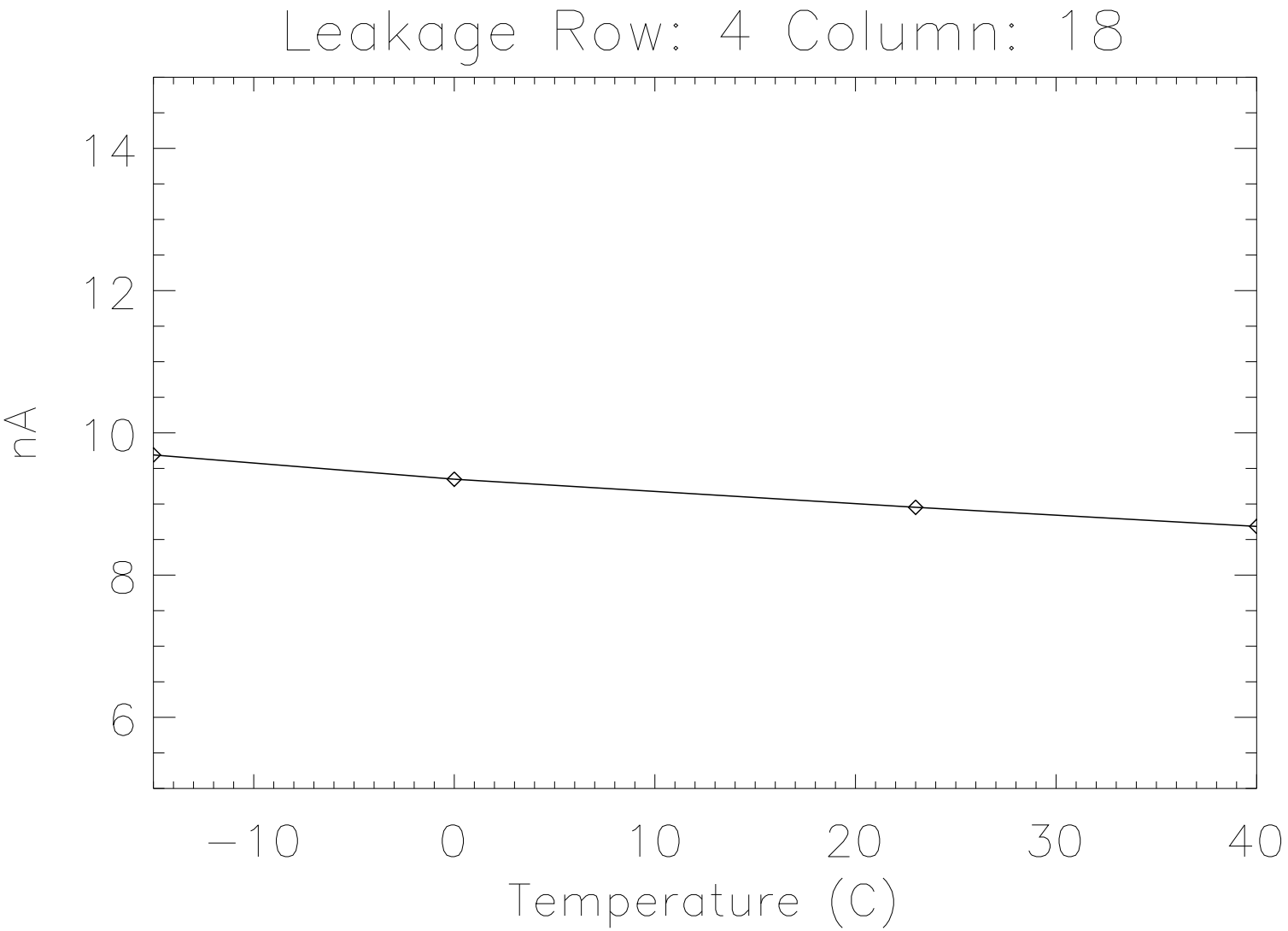

Preamp Row: 4 Column: 16
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

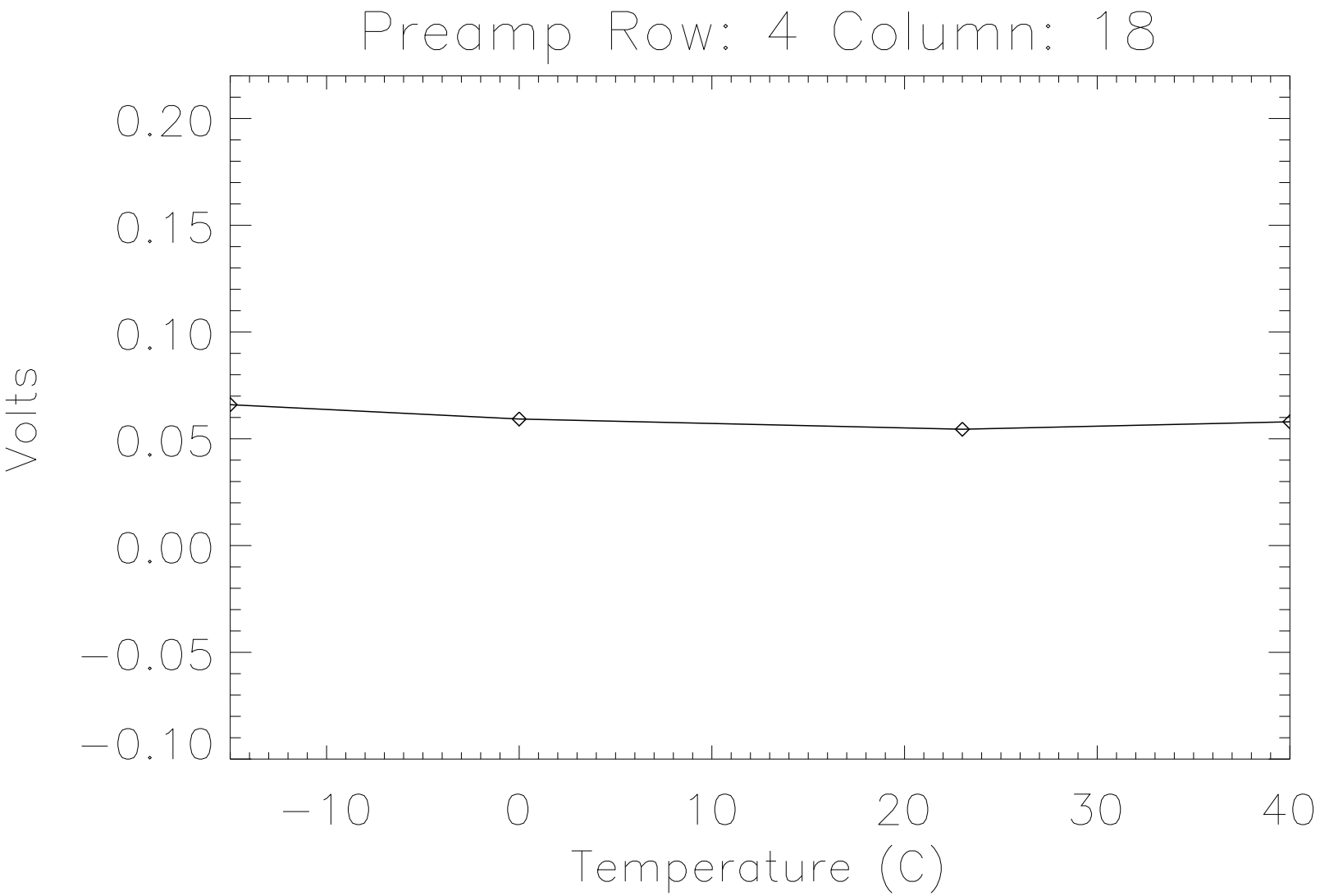

Shaper Row: 4 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

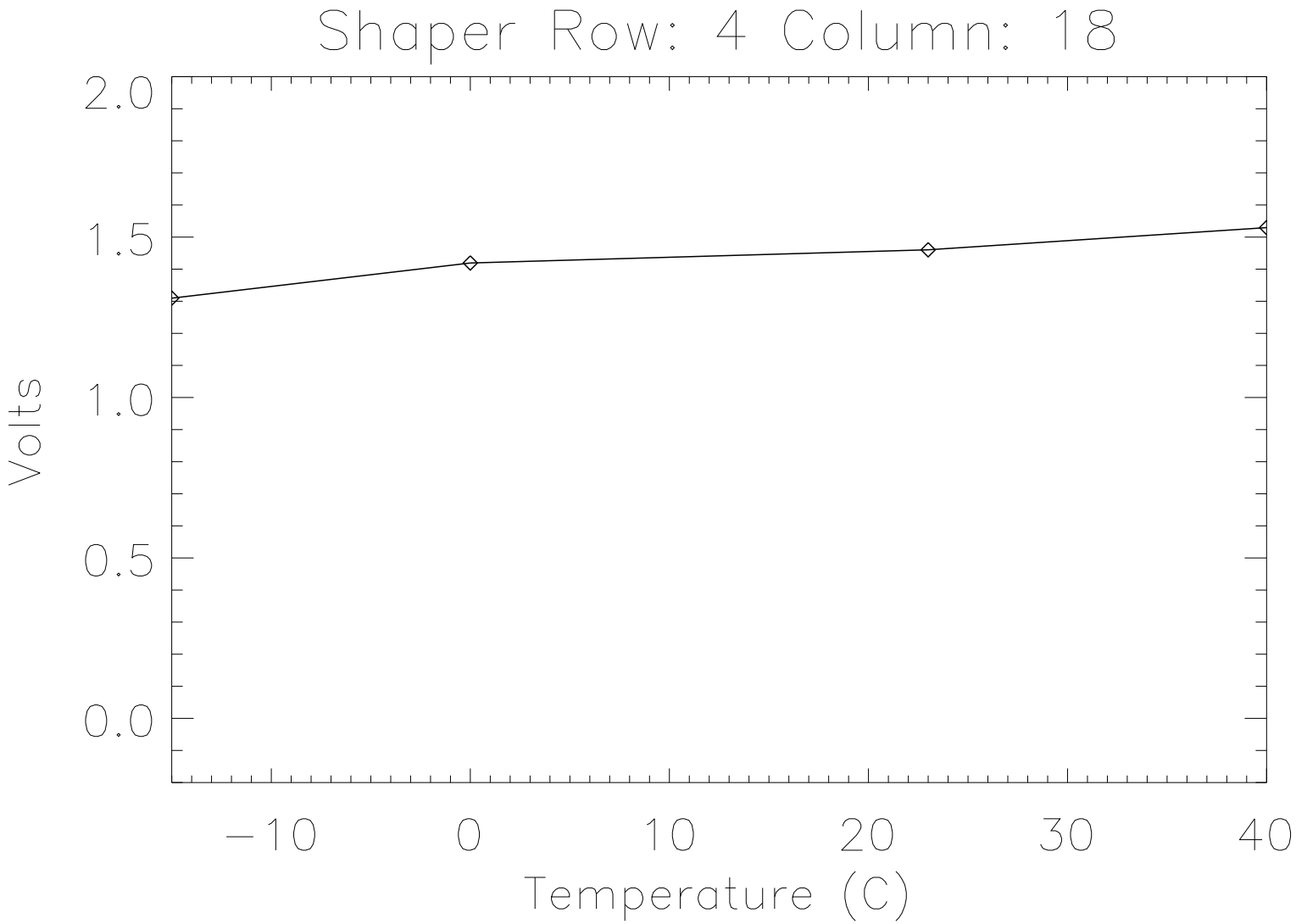

Leakage Row: 4 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

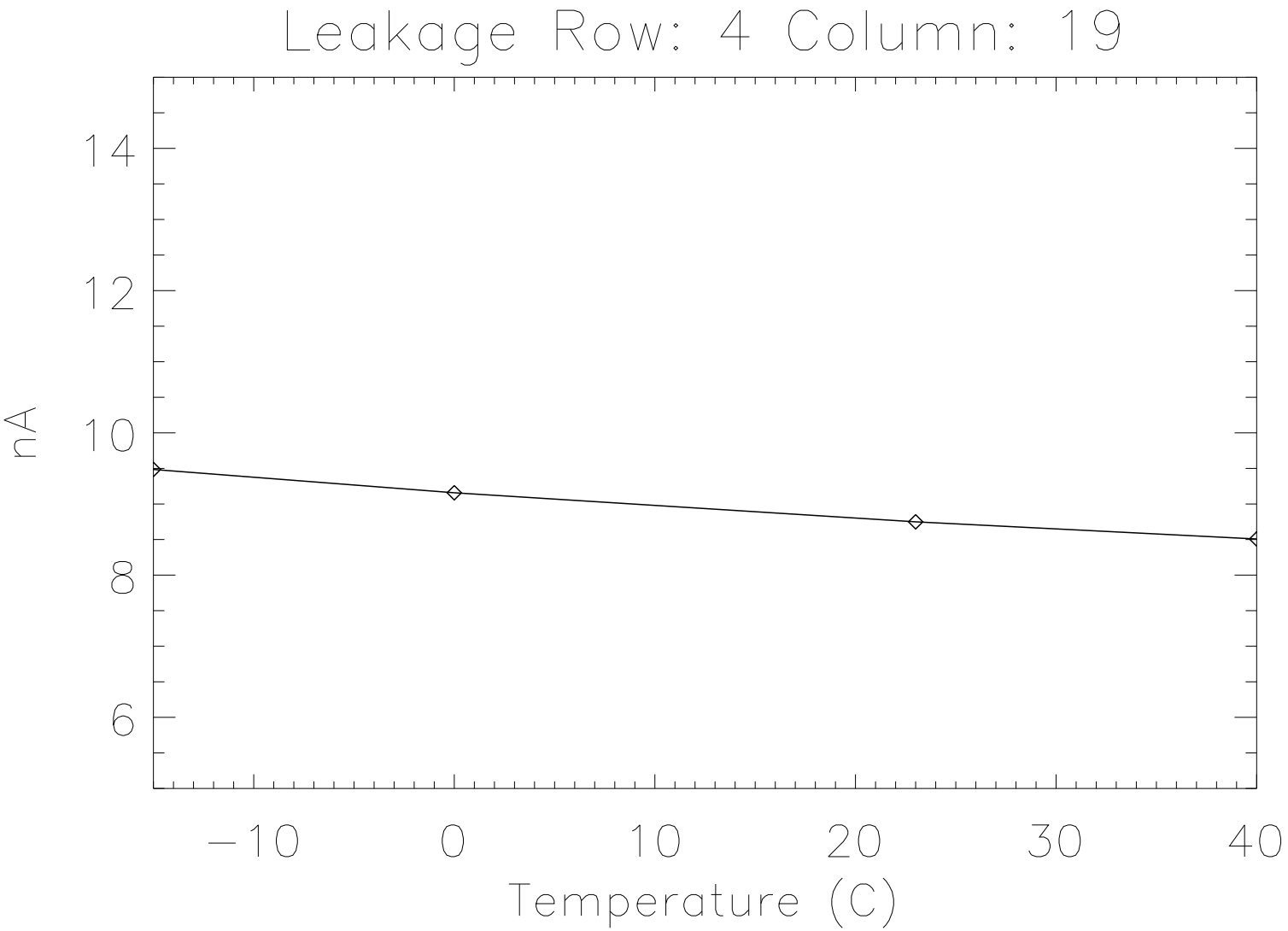

Preamp Row: 4 Column: 17
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

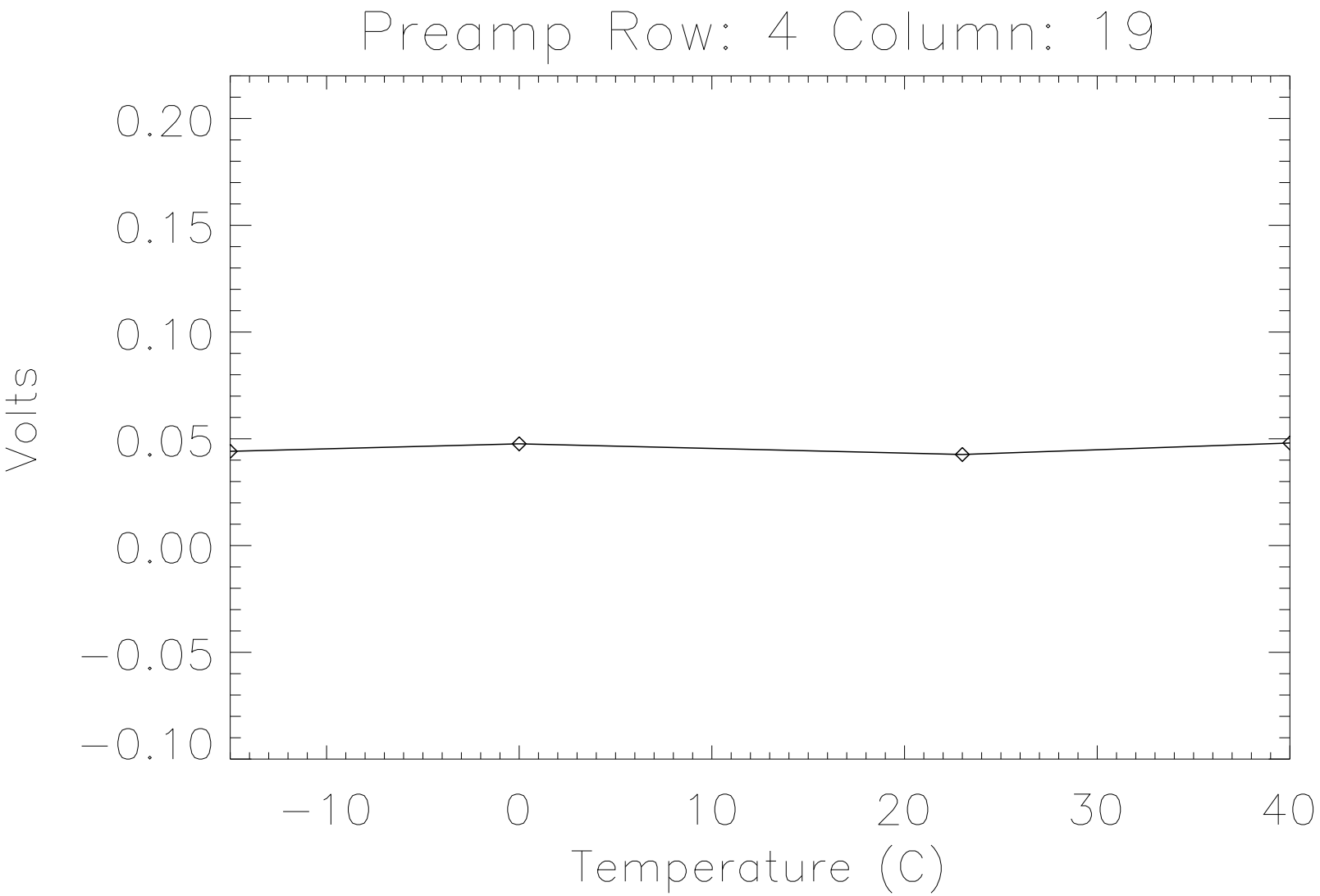

Shaper Row: 4 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

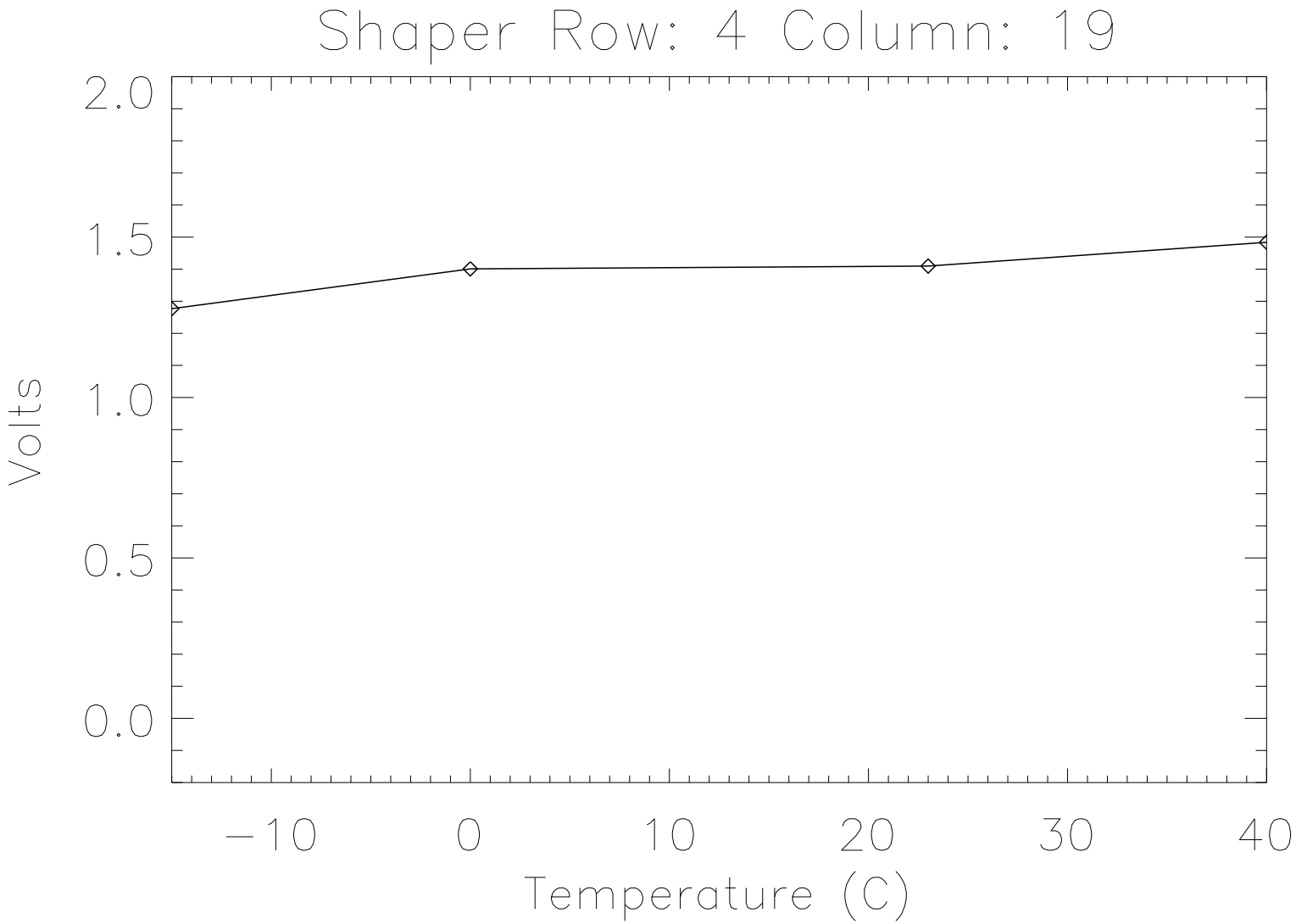

Leakage Row: 4 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

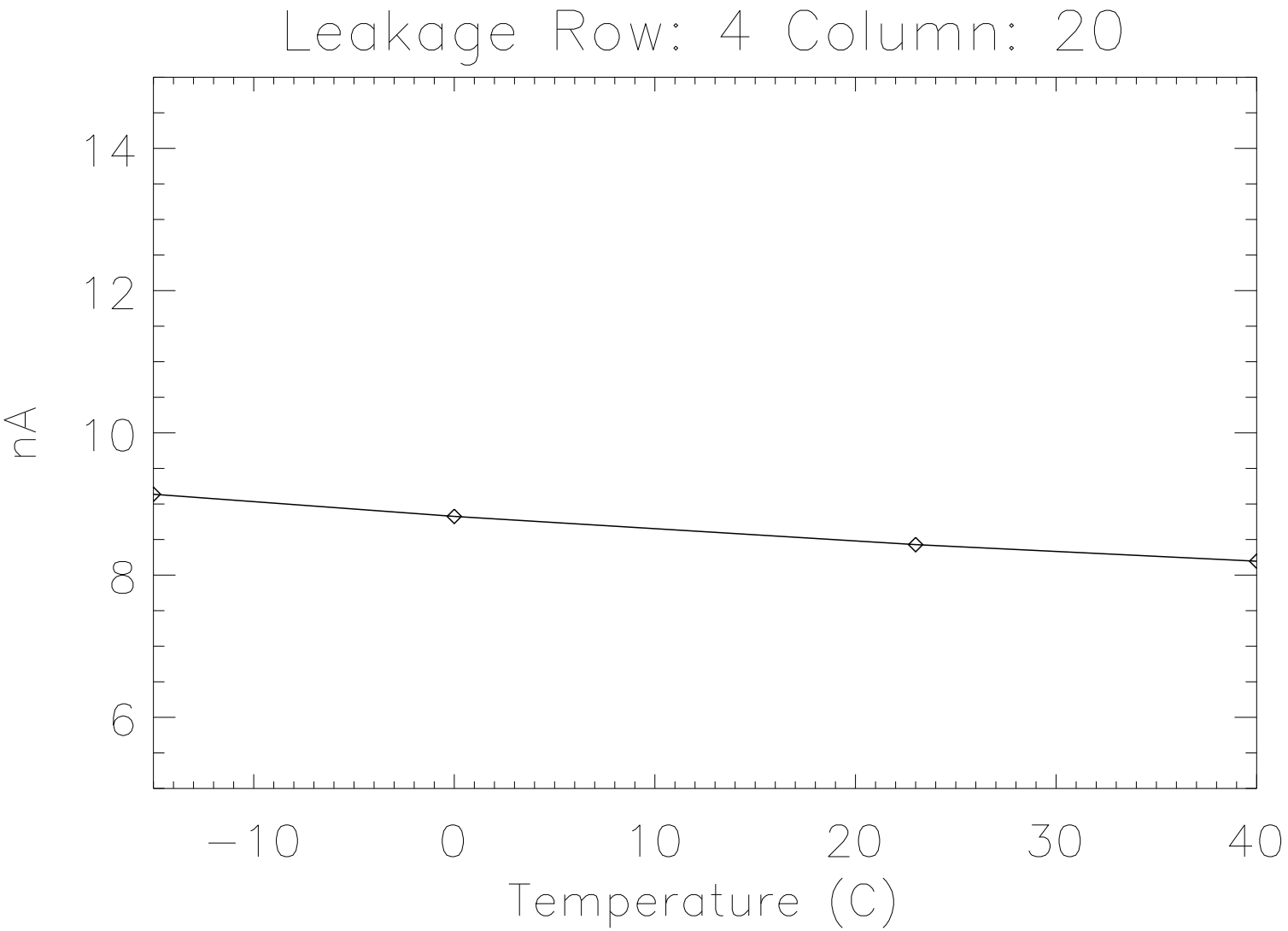

Preamp Row: 4 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

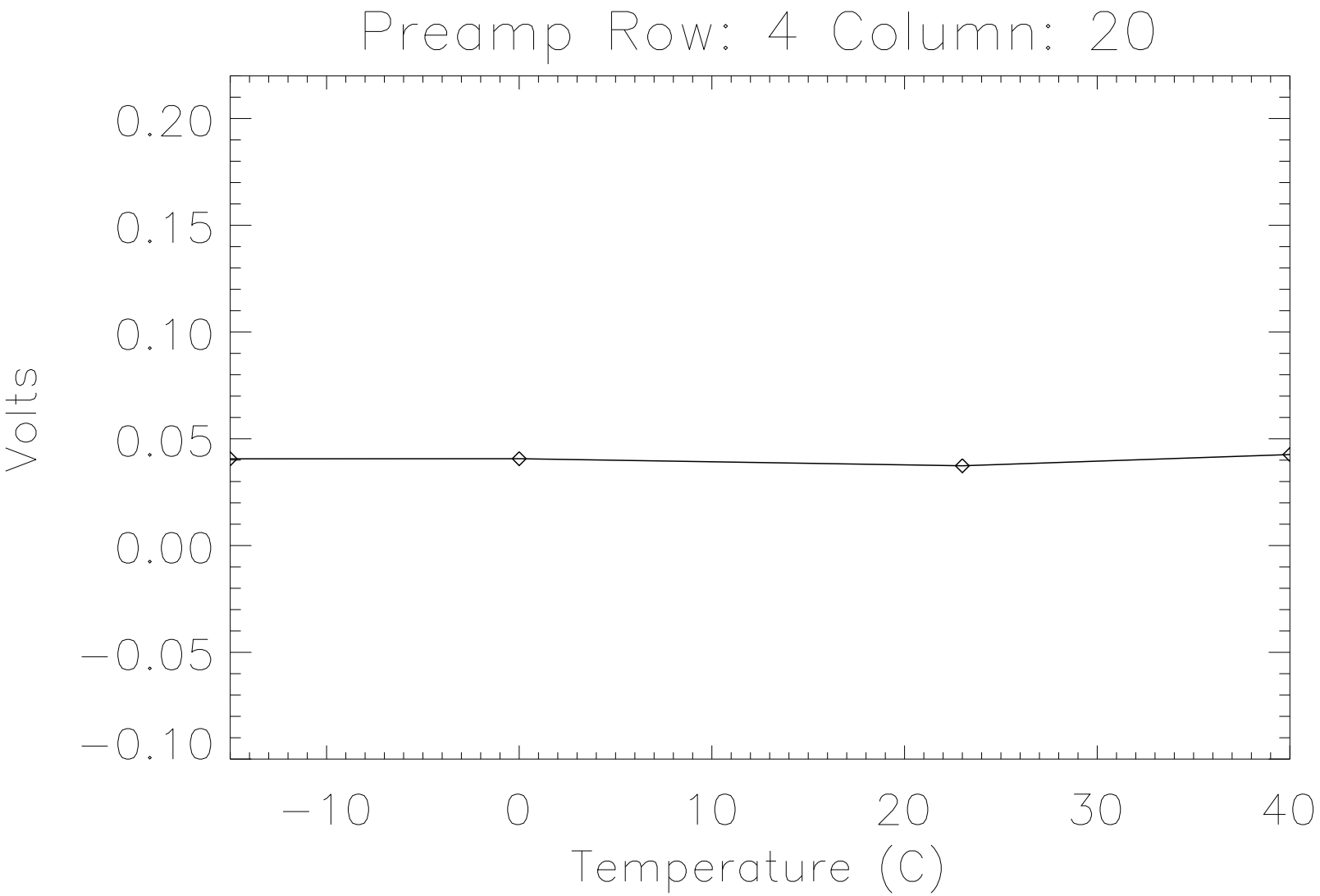

Shaper Row: 4 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

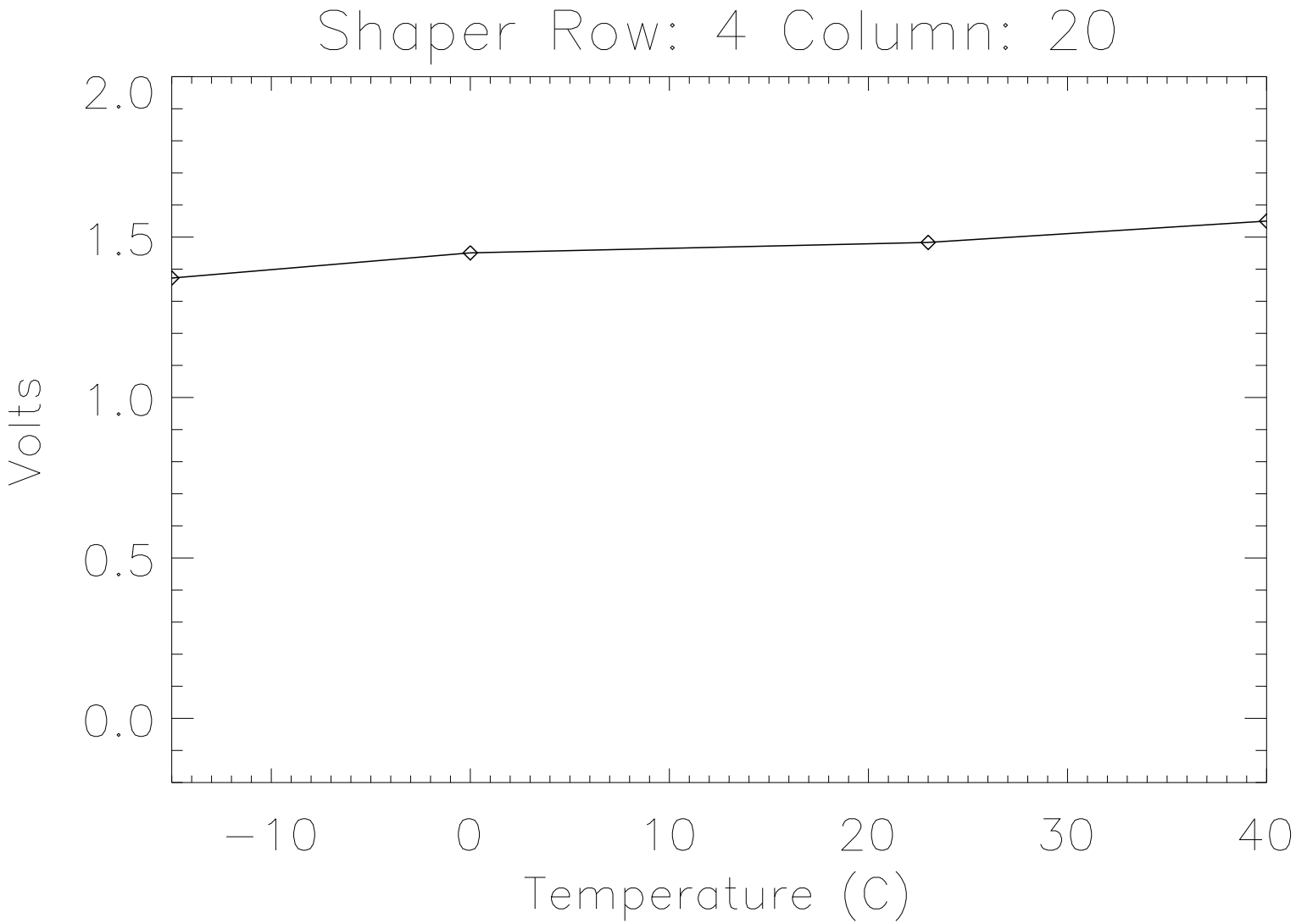

Leakage Row: 4 Column: 19
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

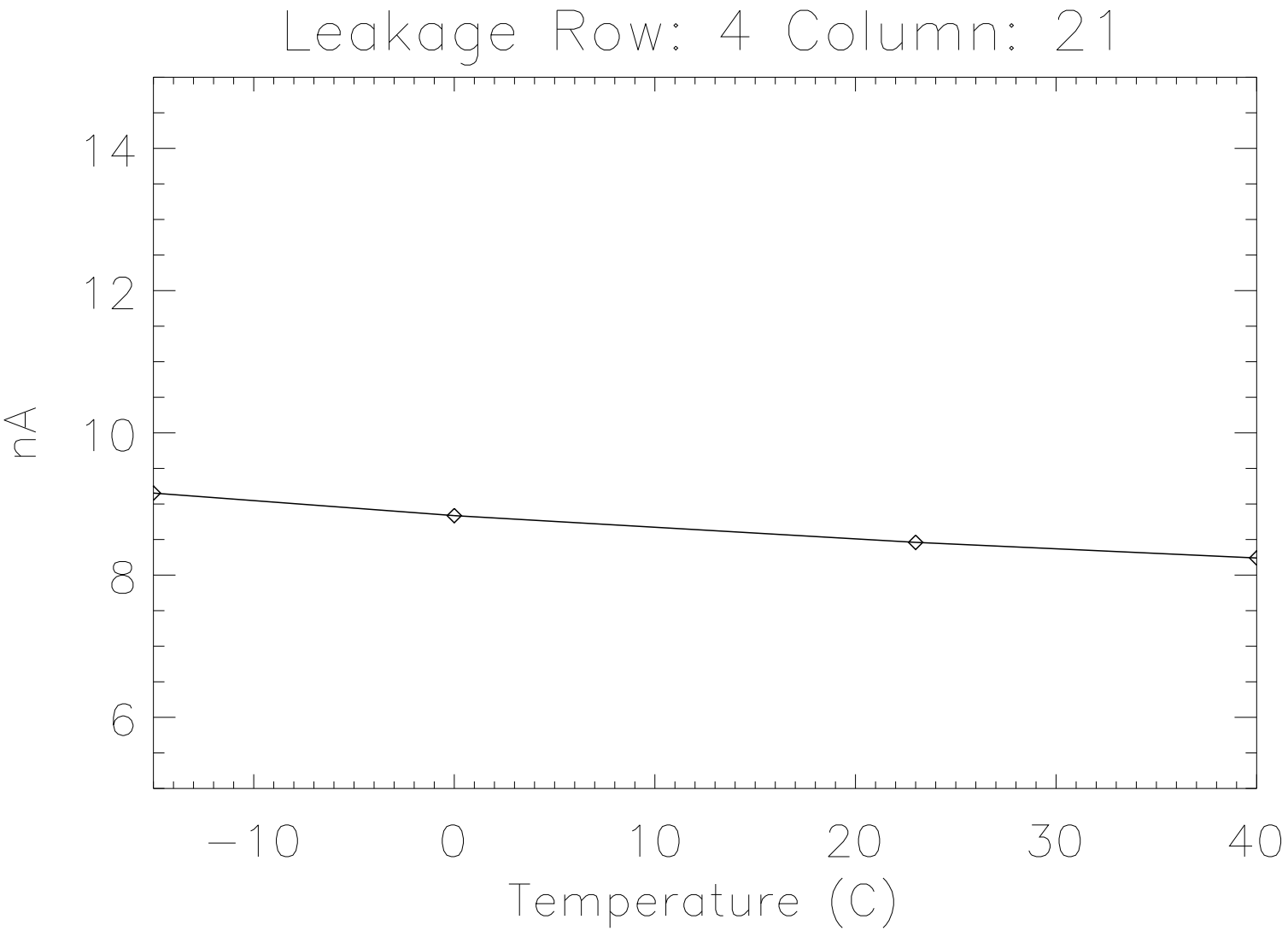

Preamp Row: 4 Column: 19
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

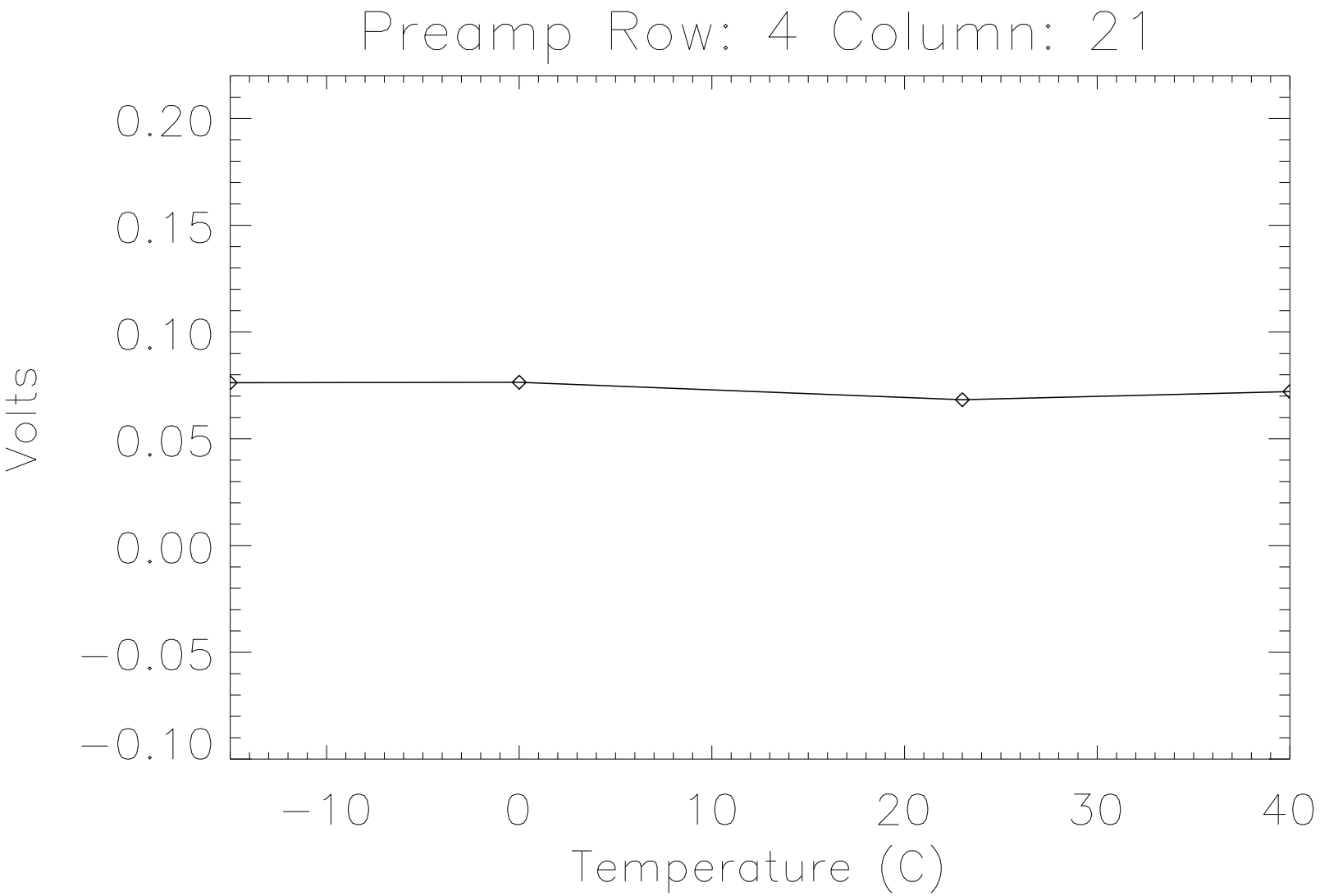

Shaper Row: 4 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

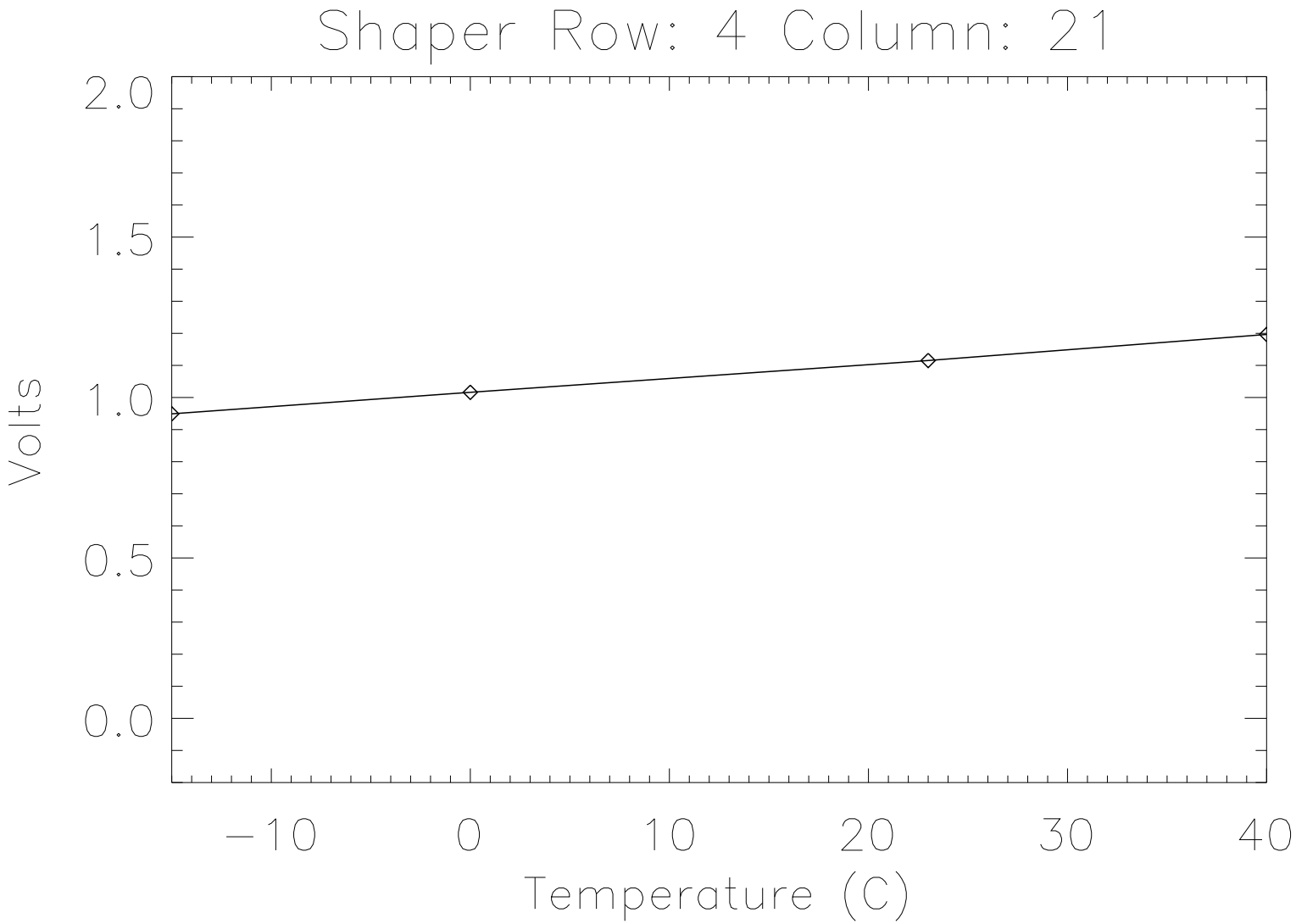

Leakage Row: 4 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

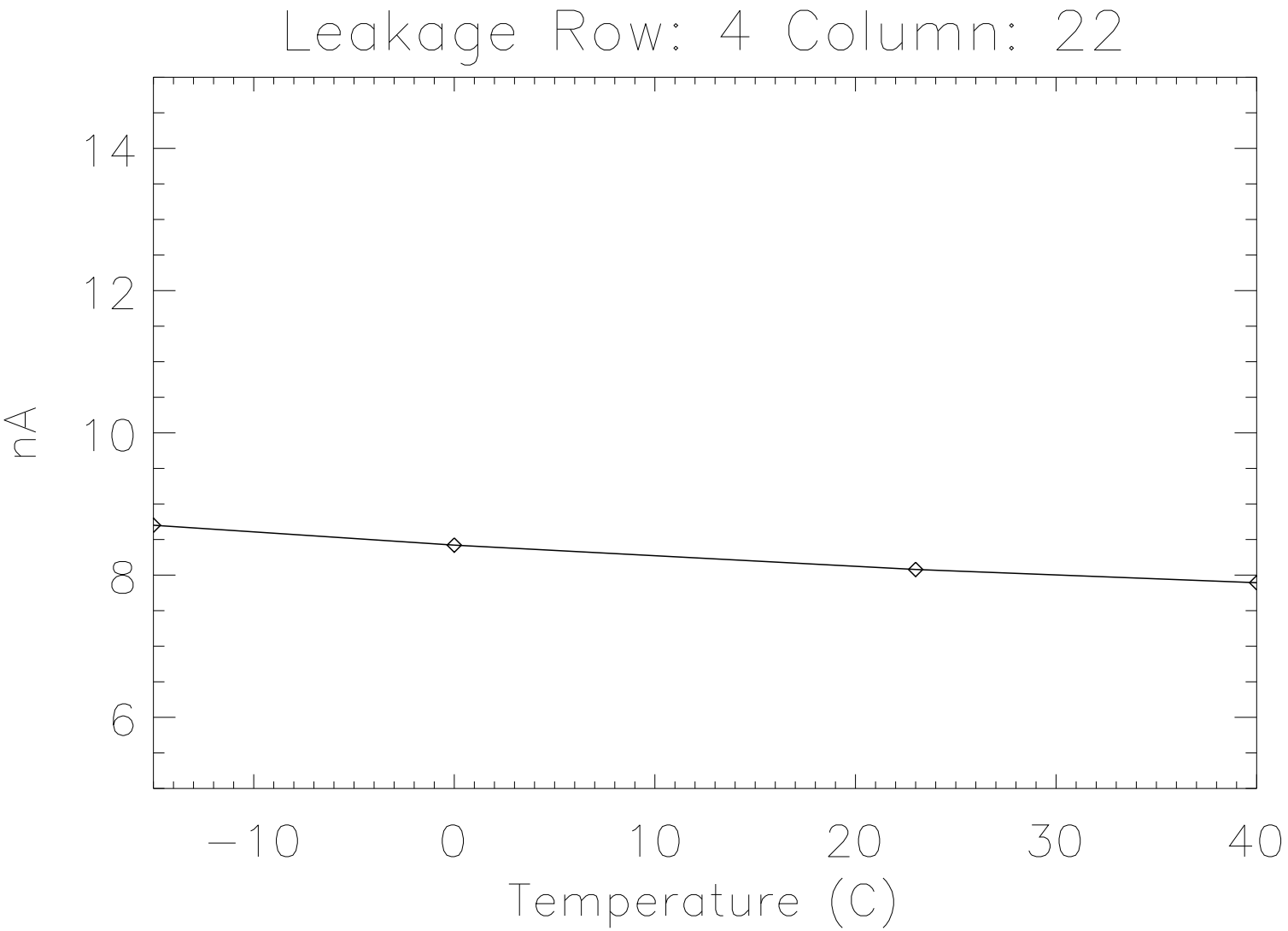

Preamp Row: 4 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

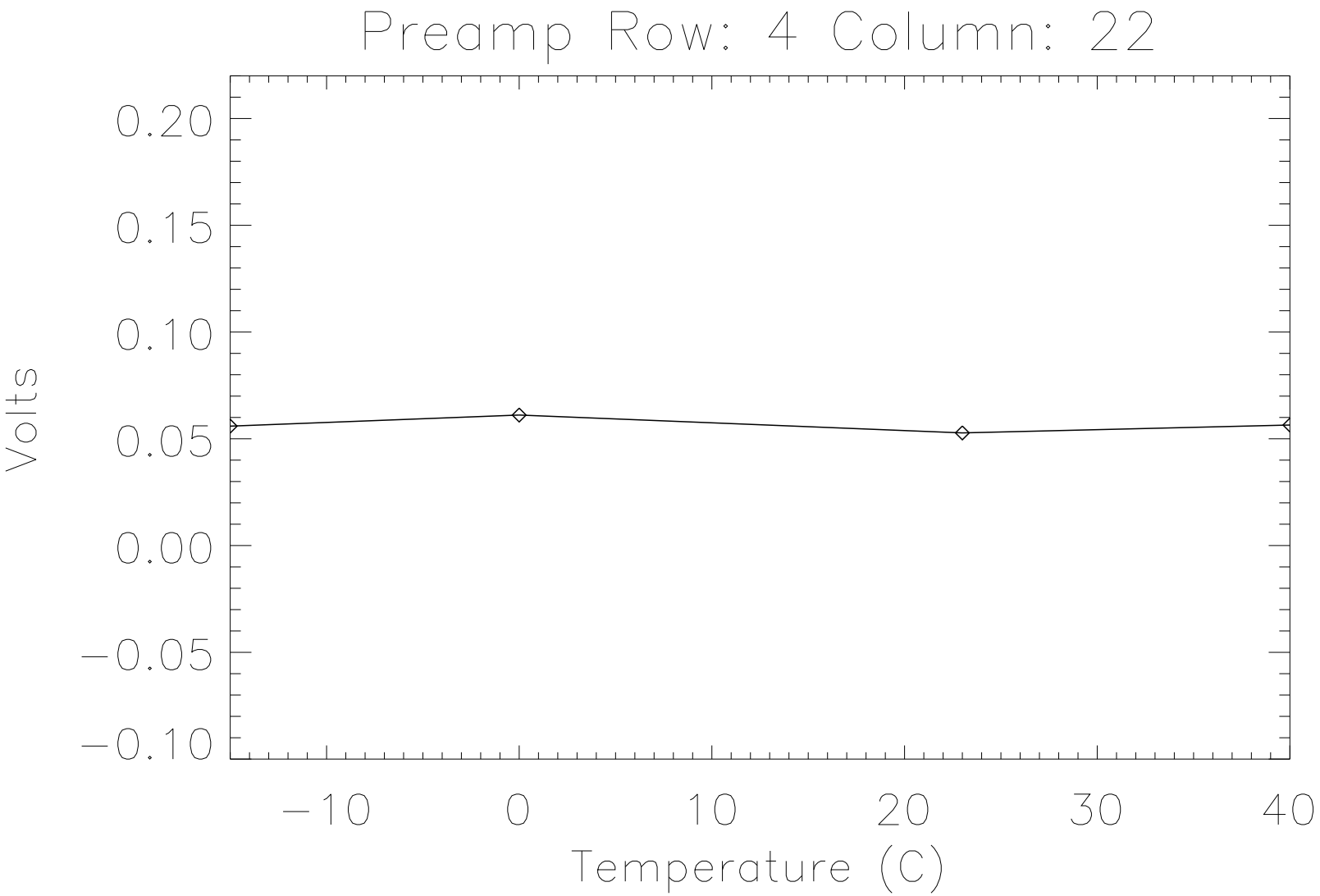

Shaper Row: 4 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

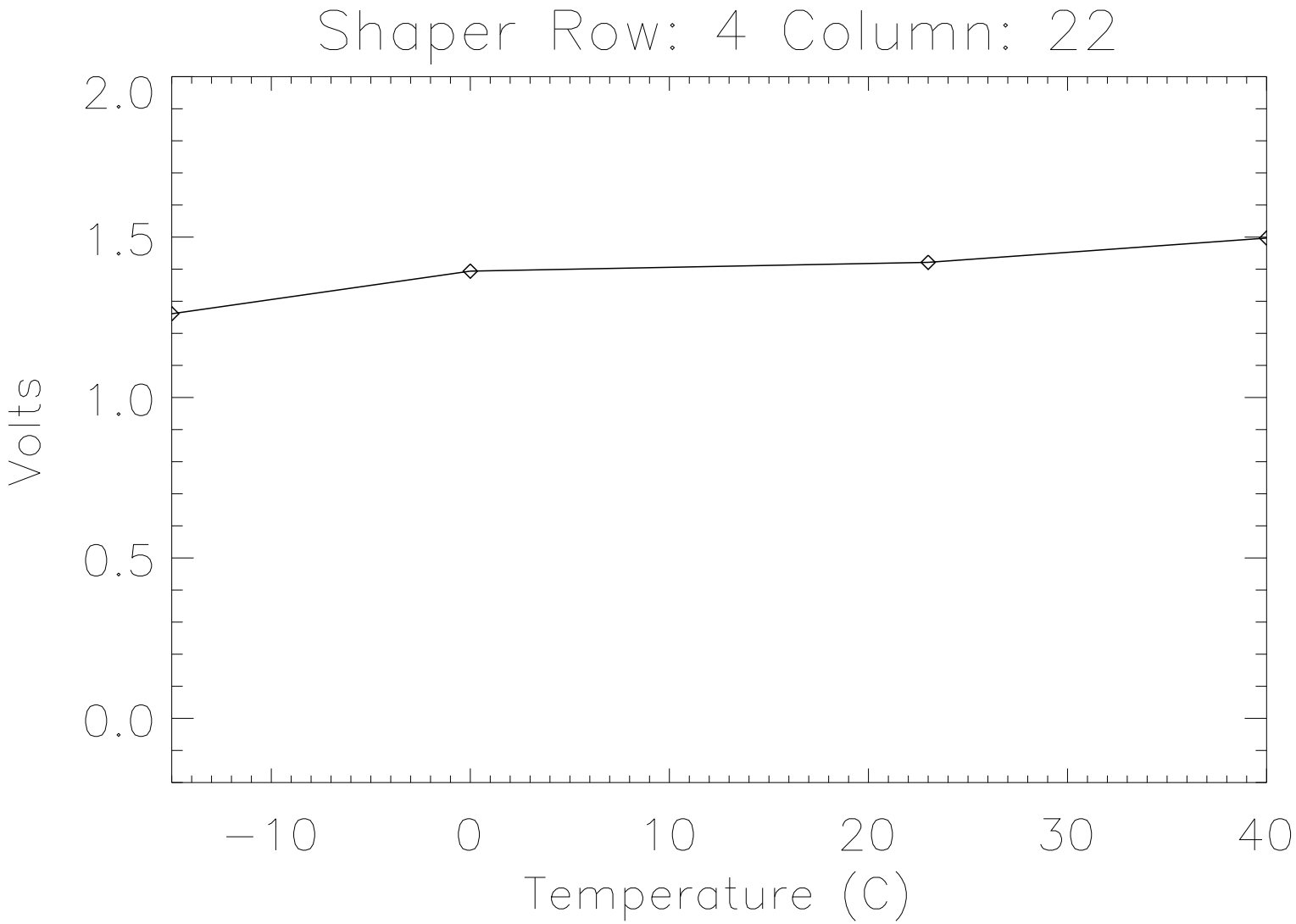

Leakage Row: 4 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

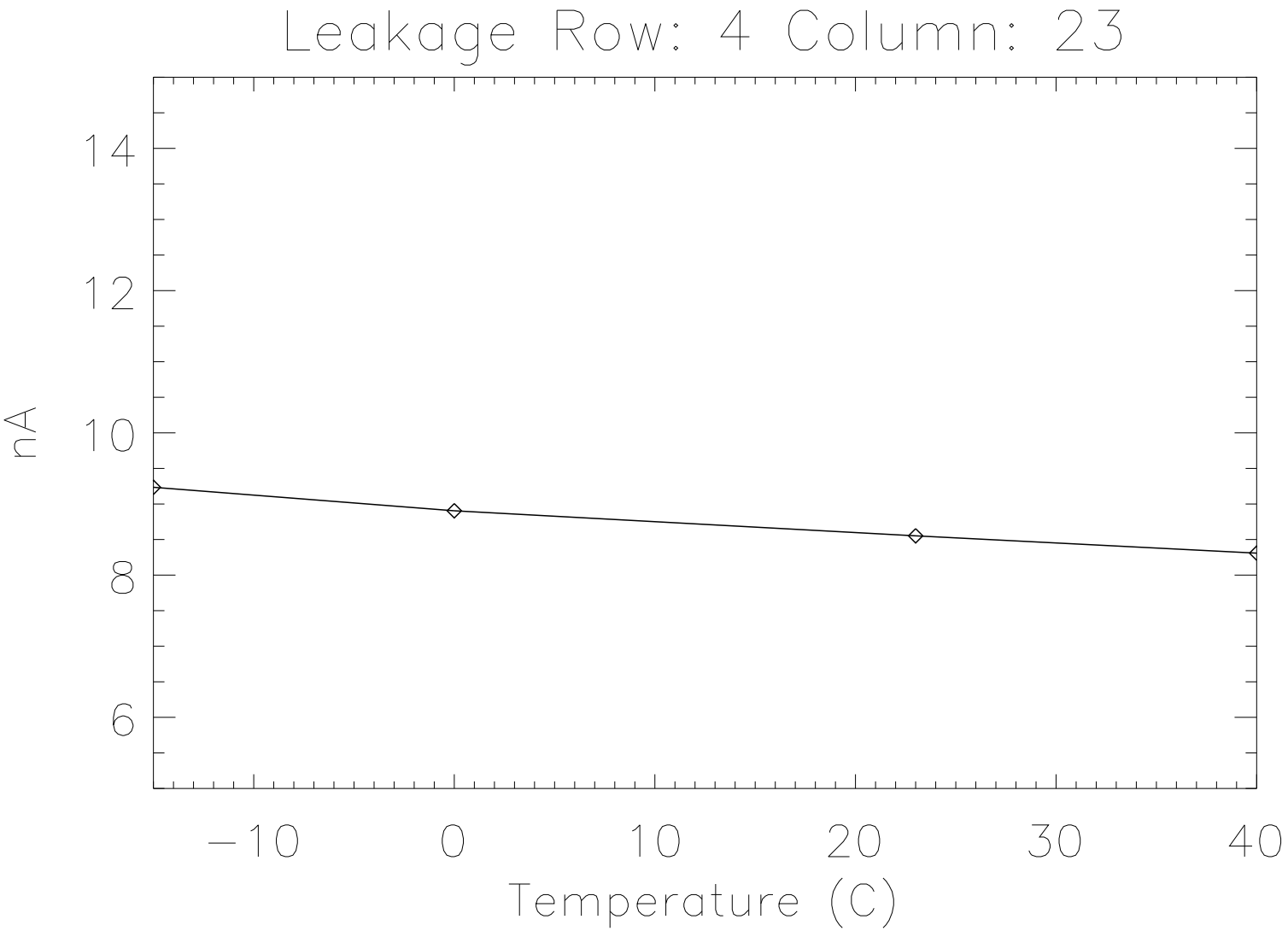

Preamp Row: 4 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

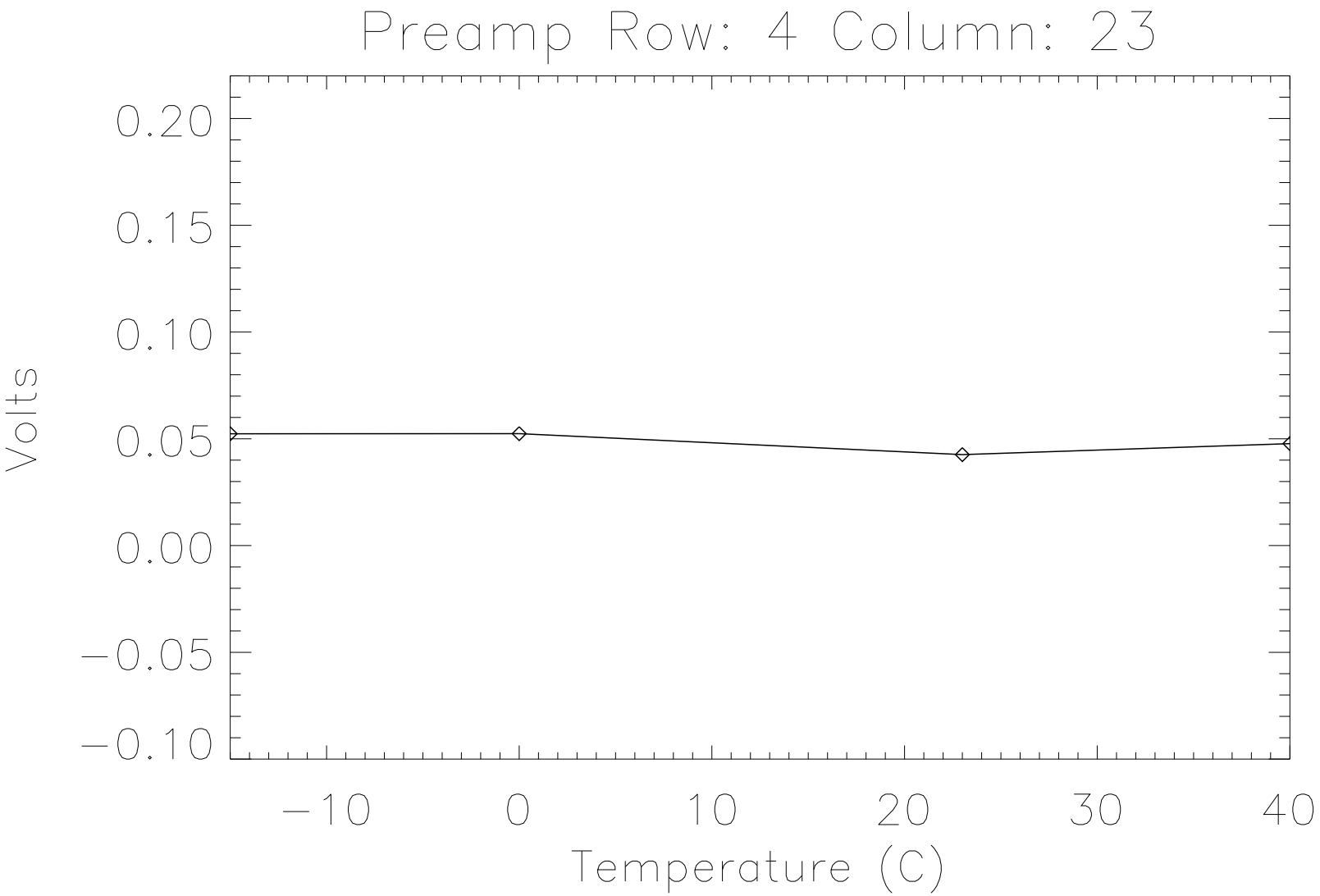

Shaper Row: 4 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

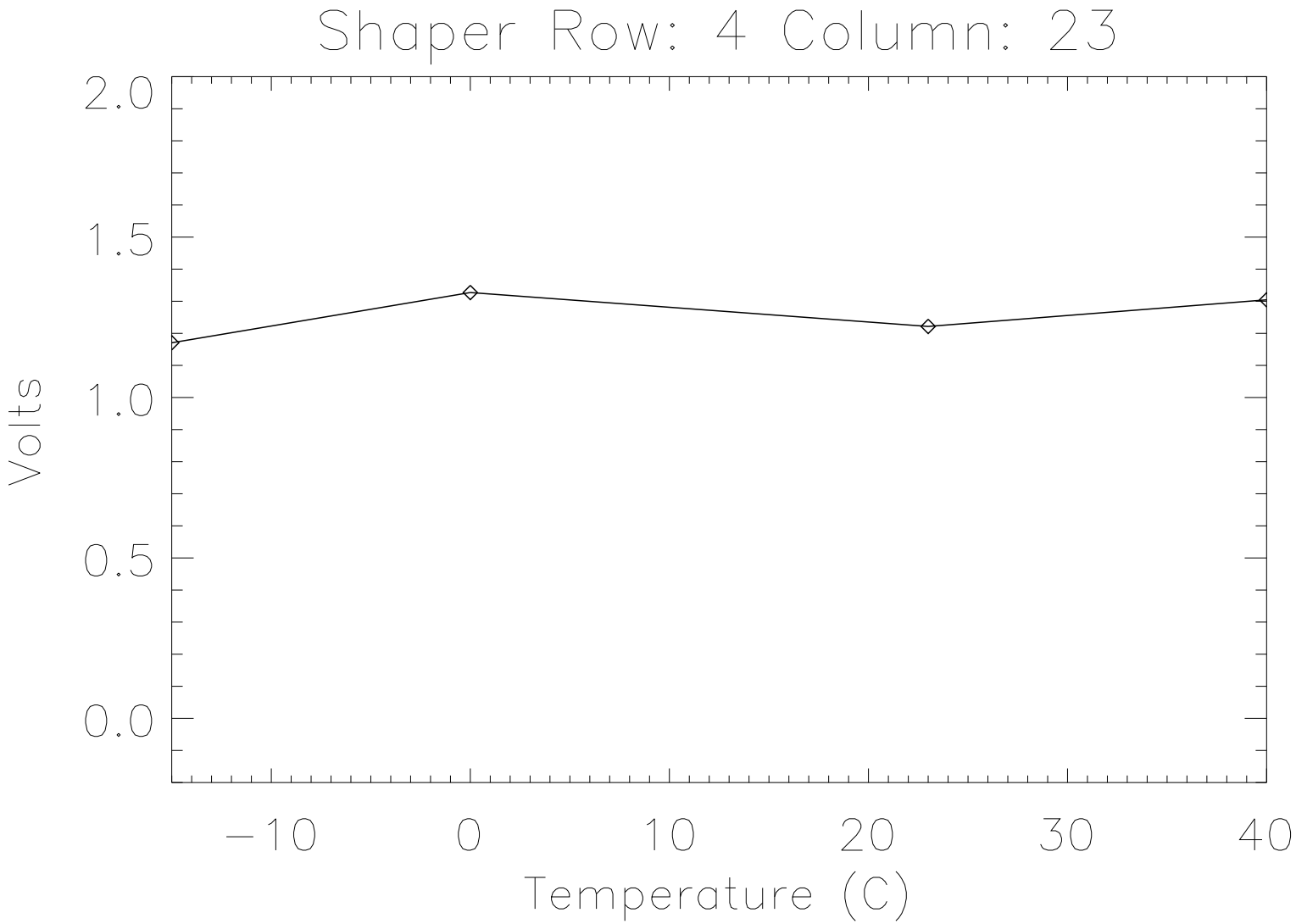

Leakage Row: 4 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

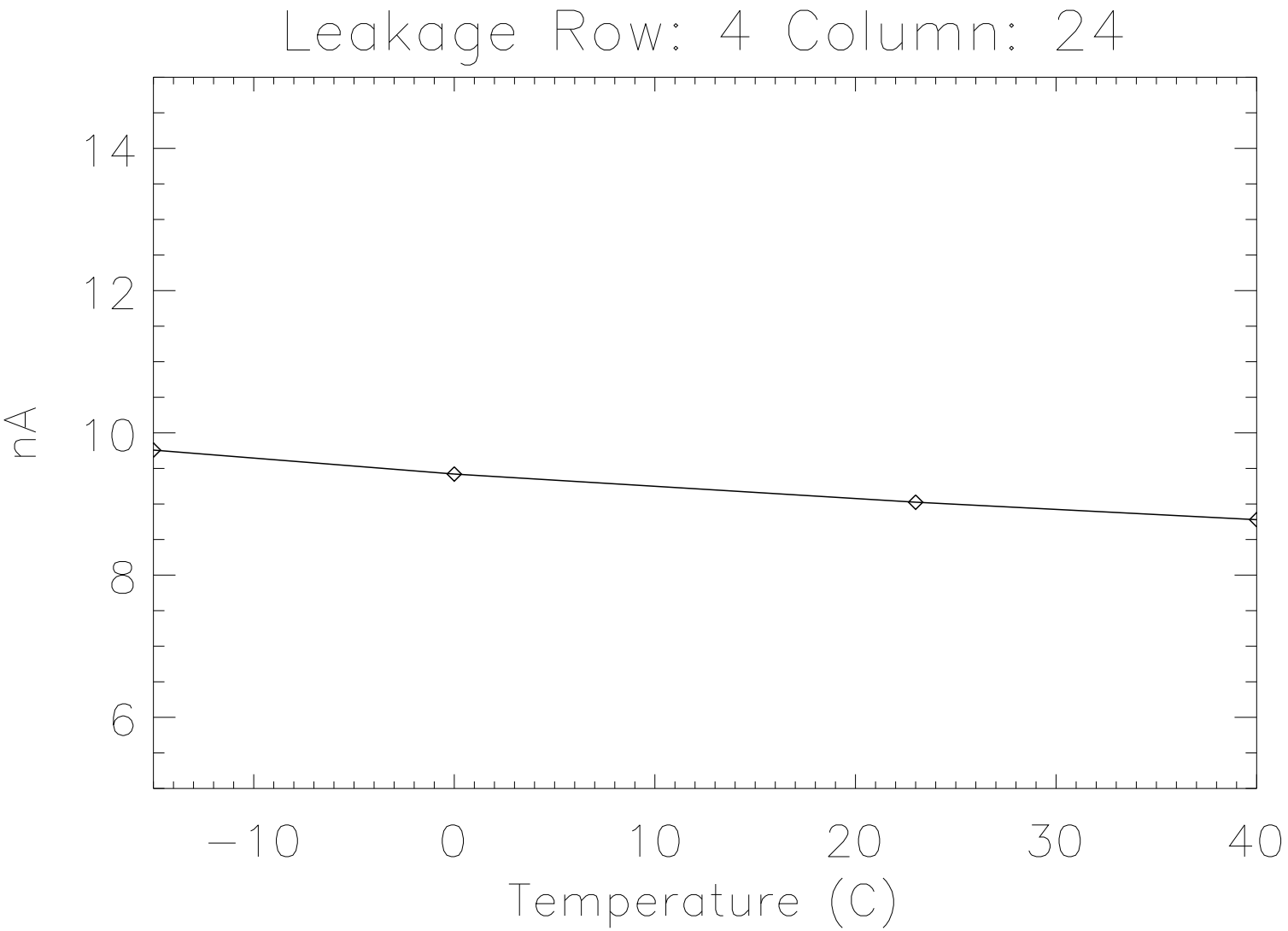

Preamp Row: 4 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

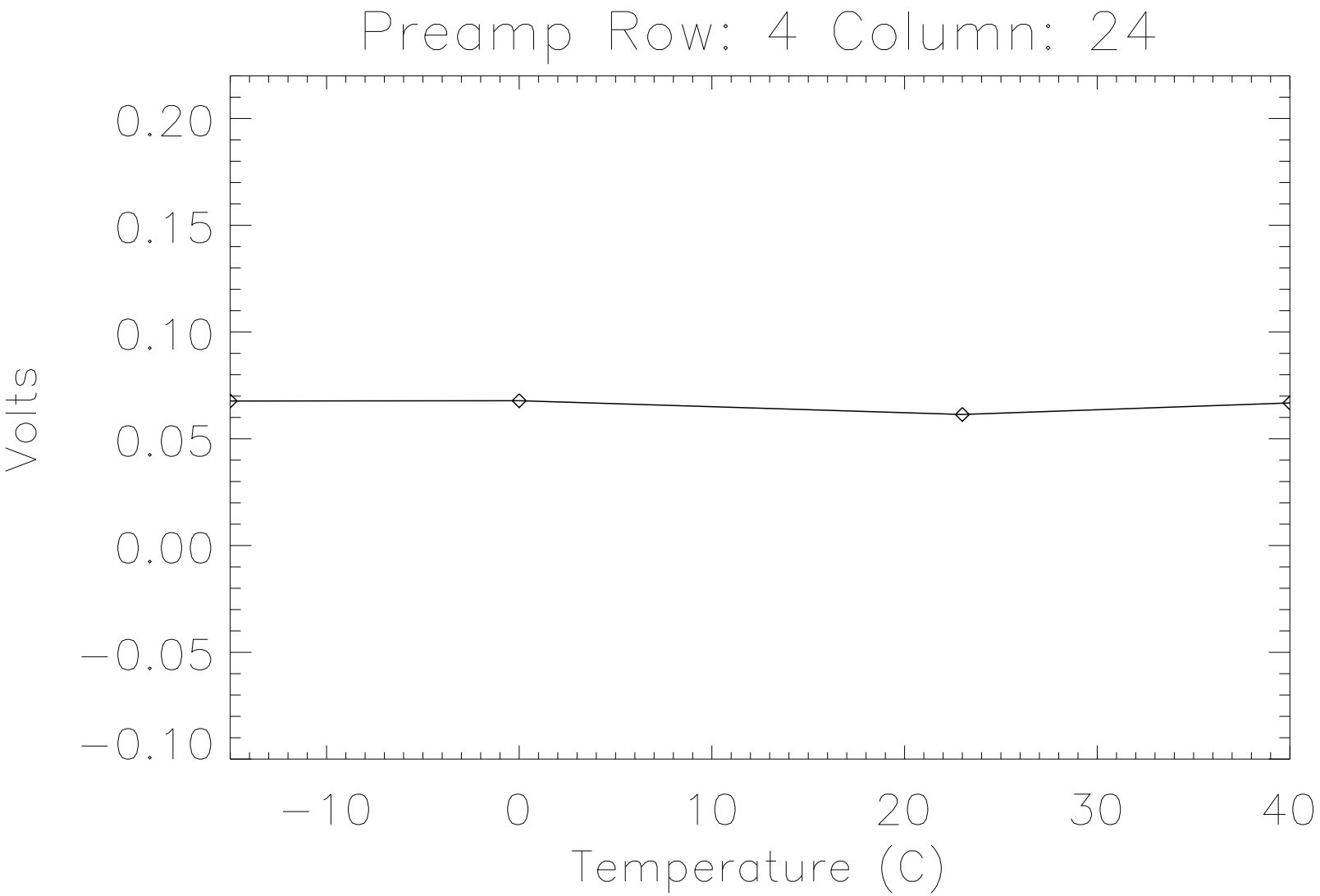

Shaper Row: 4 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

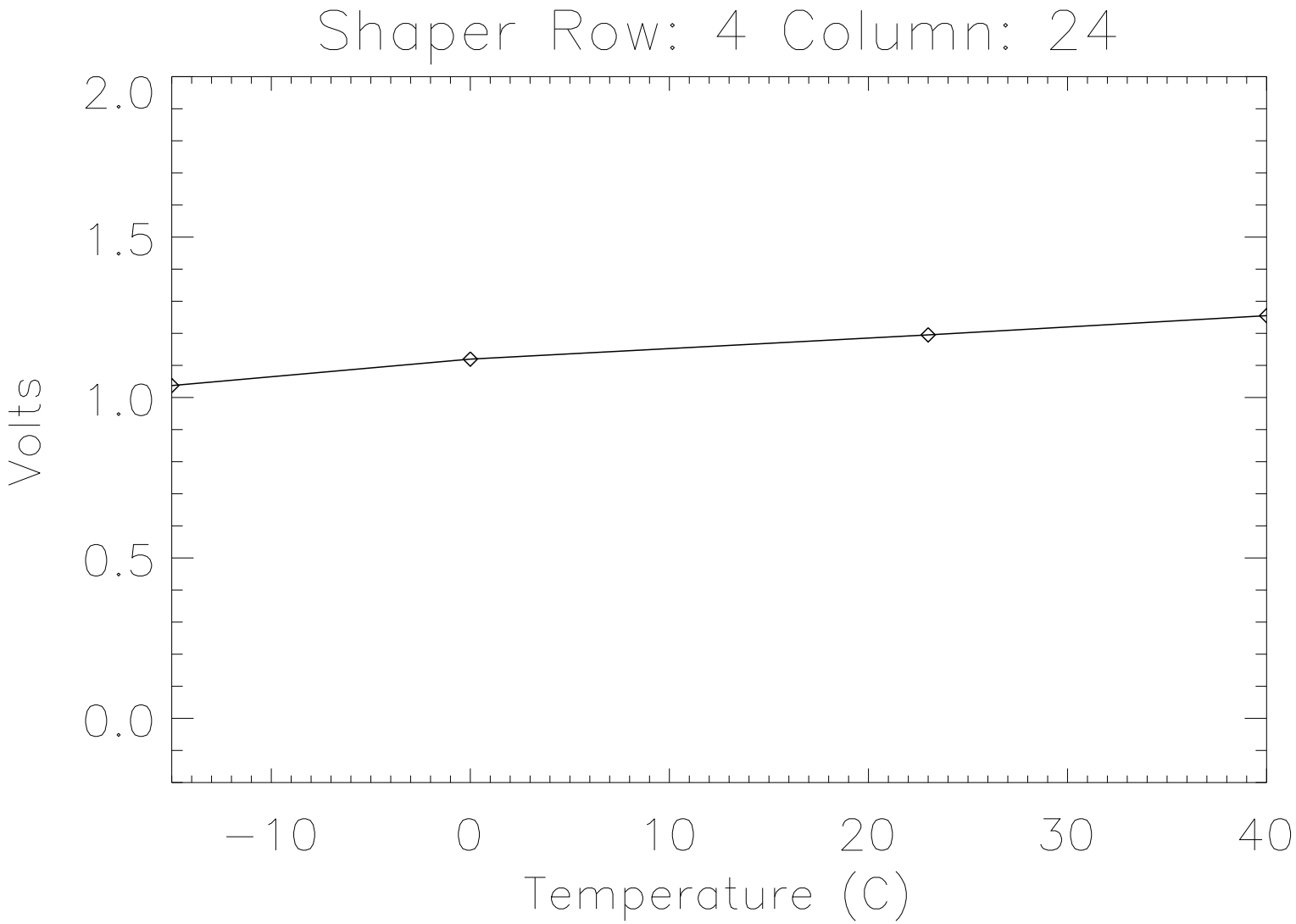

Leakage Row: 4 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

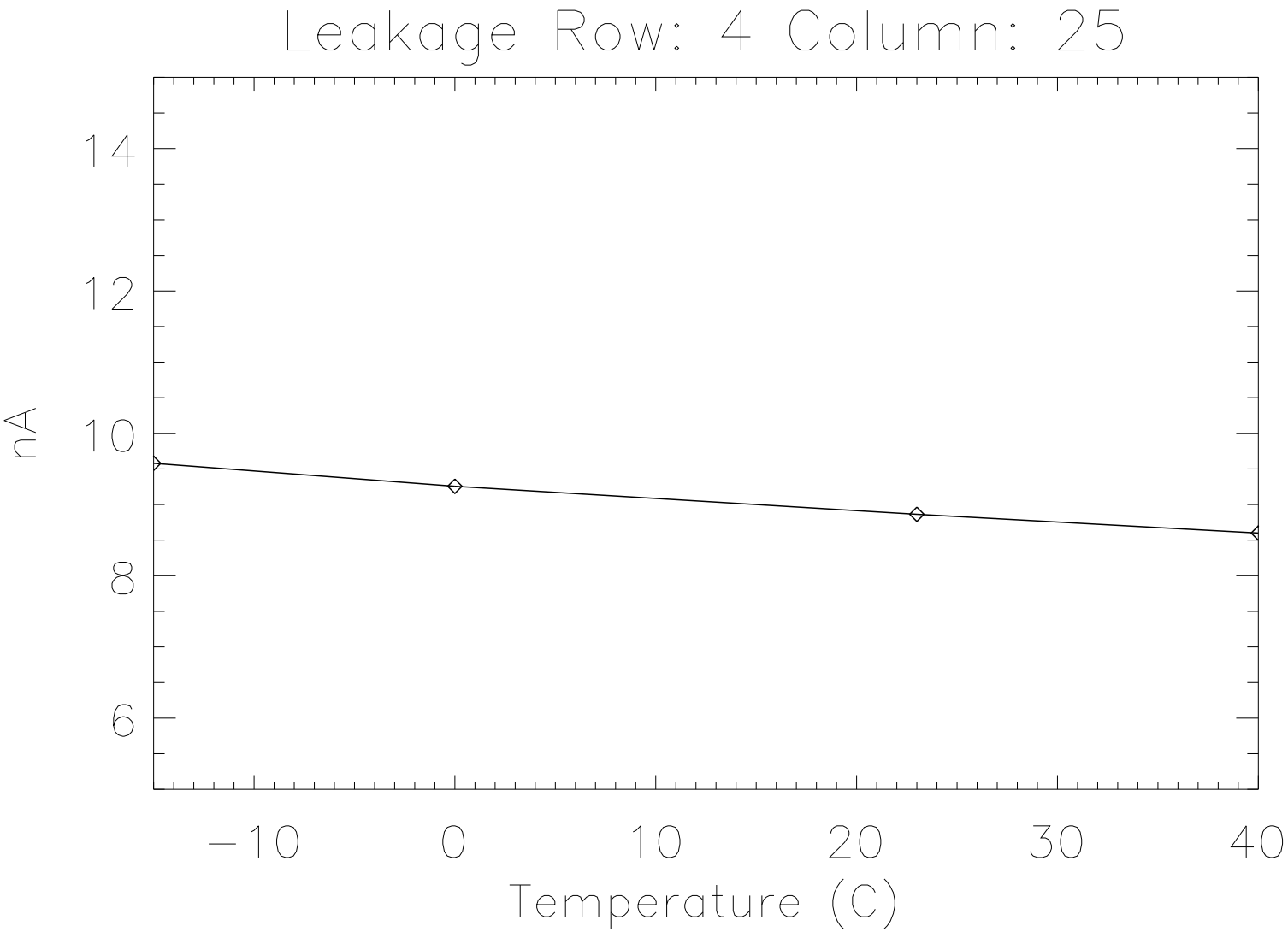

Preamp Row: 4 Column: 23
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

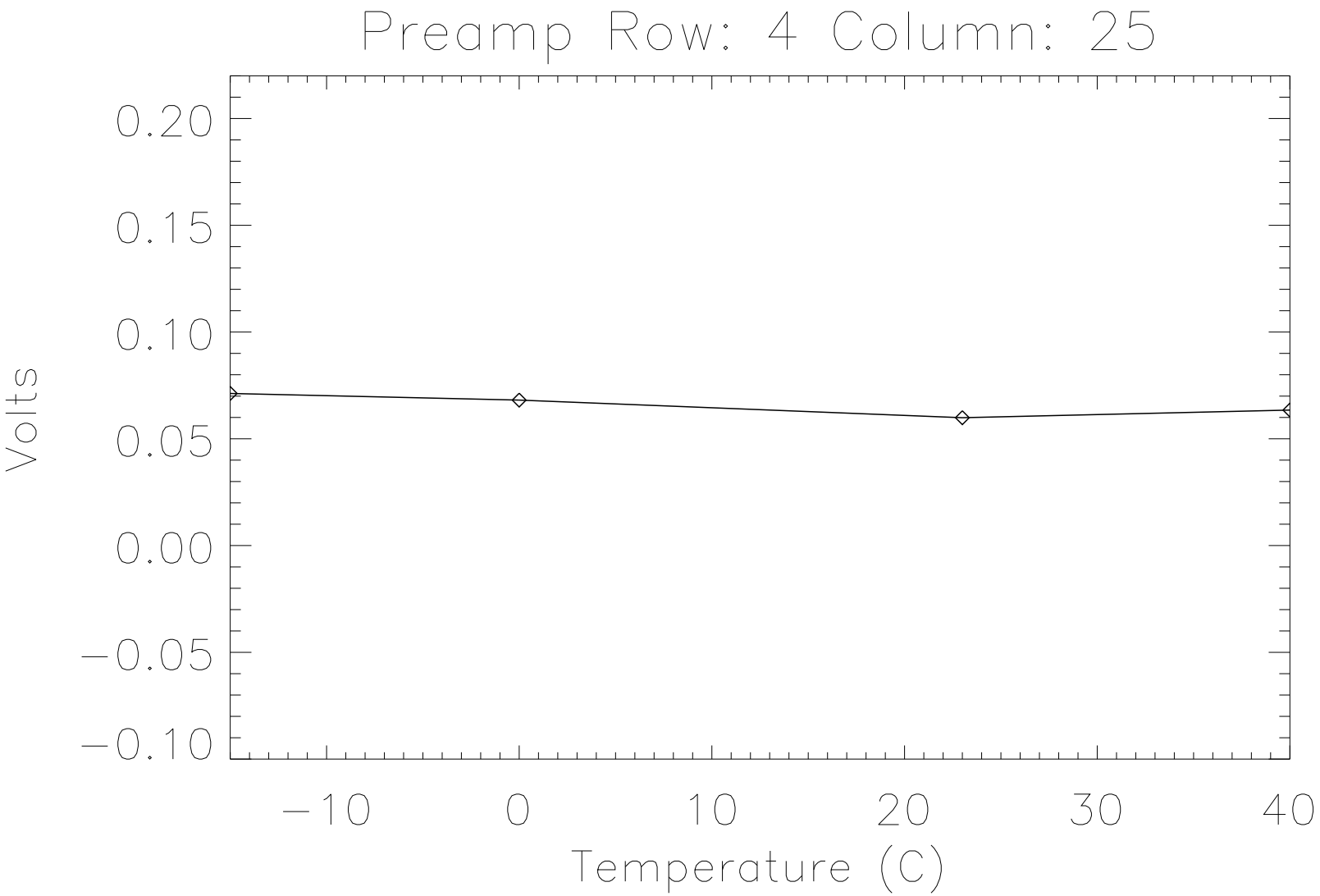

Shaper Row: 4 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

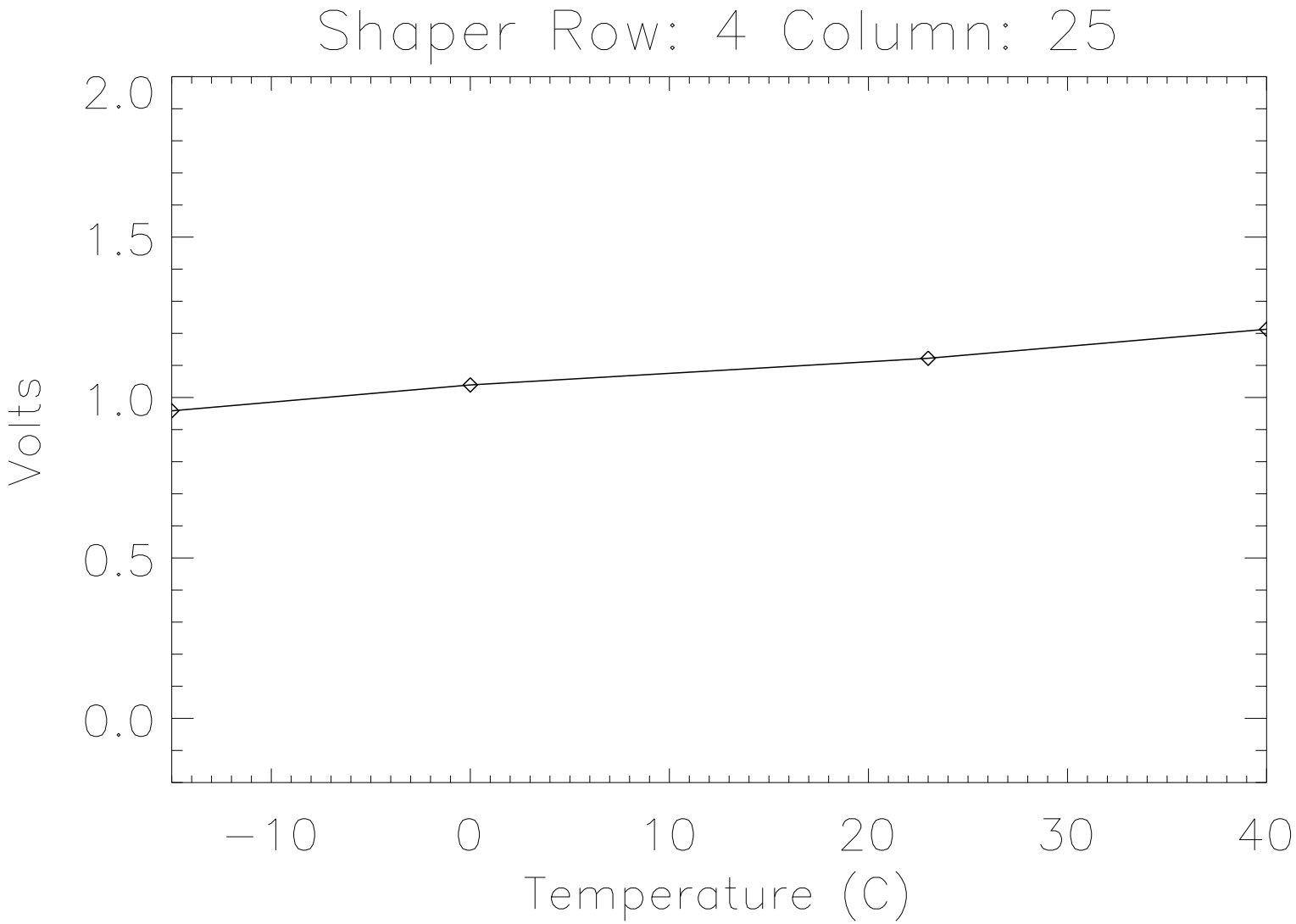

Leakage Row: 4 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 4 Column: 24
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 4 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 4 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 4 Column: 25
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 4 Column: 25
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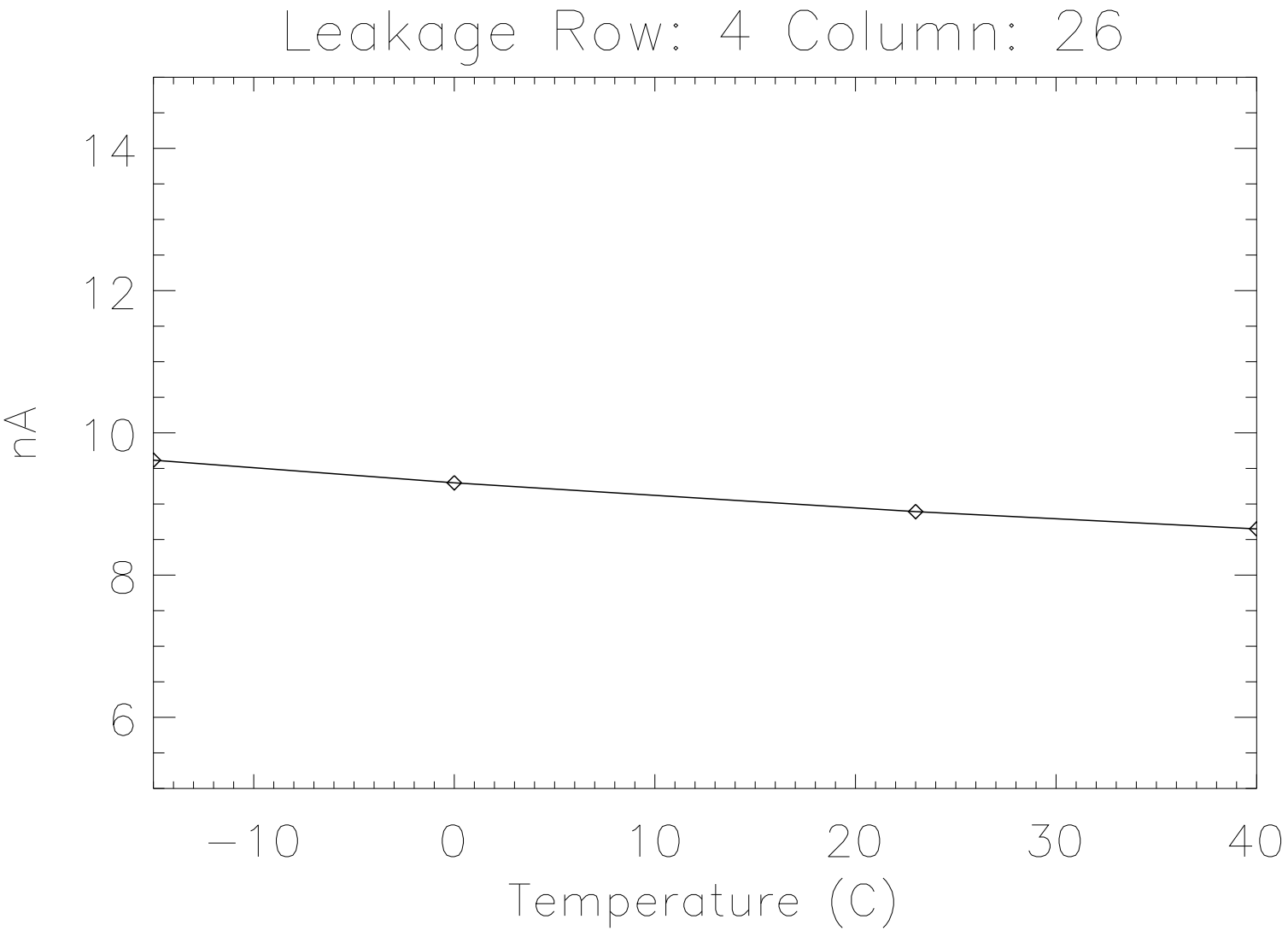
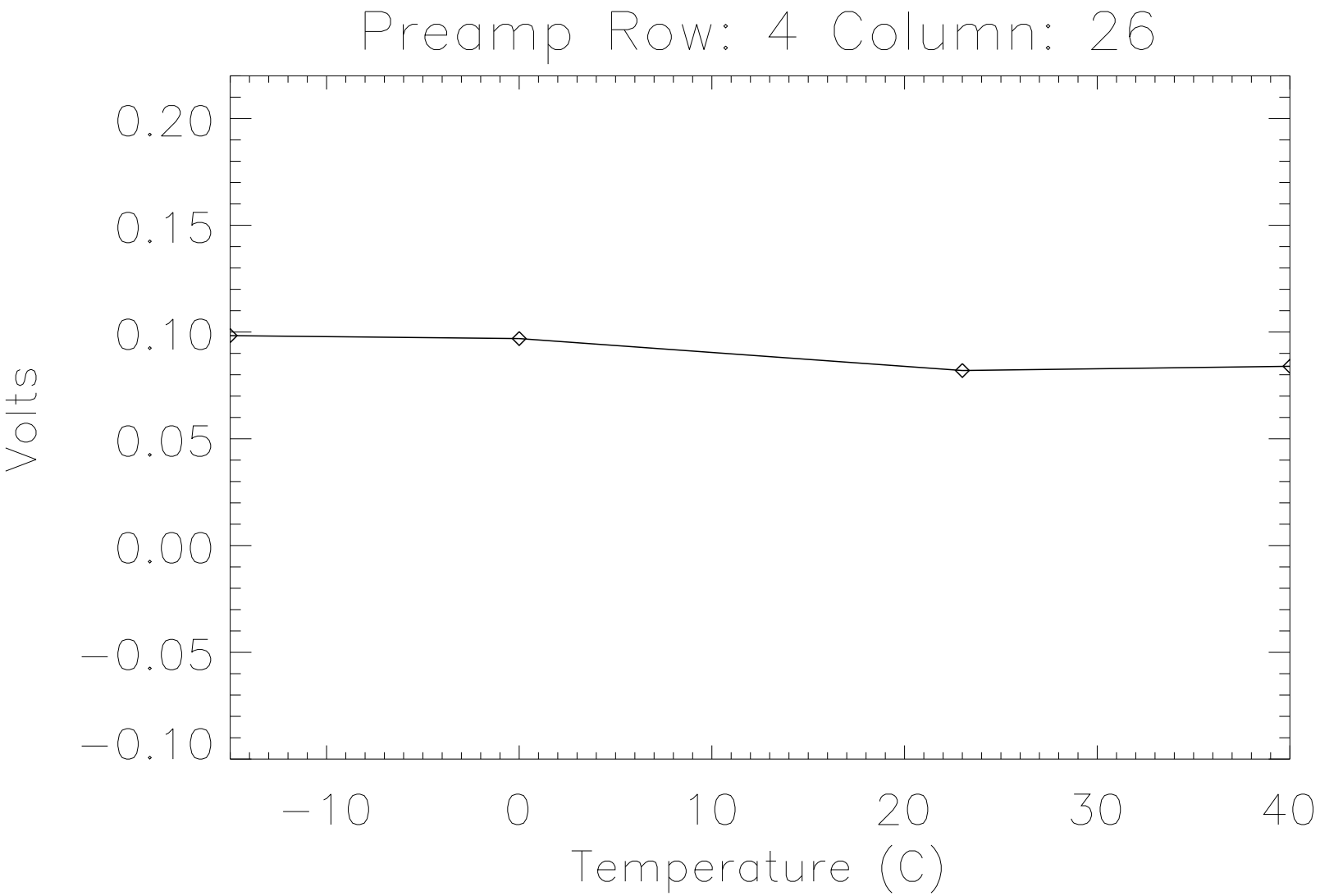
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 4 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 4 Column: 26
0.20
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0.10
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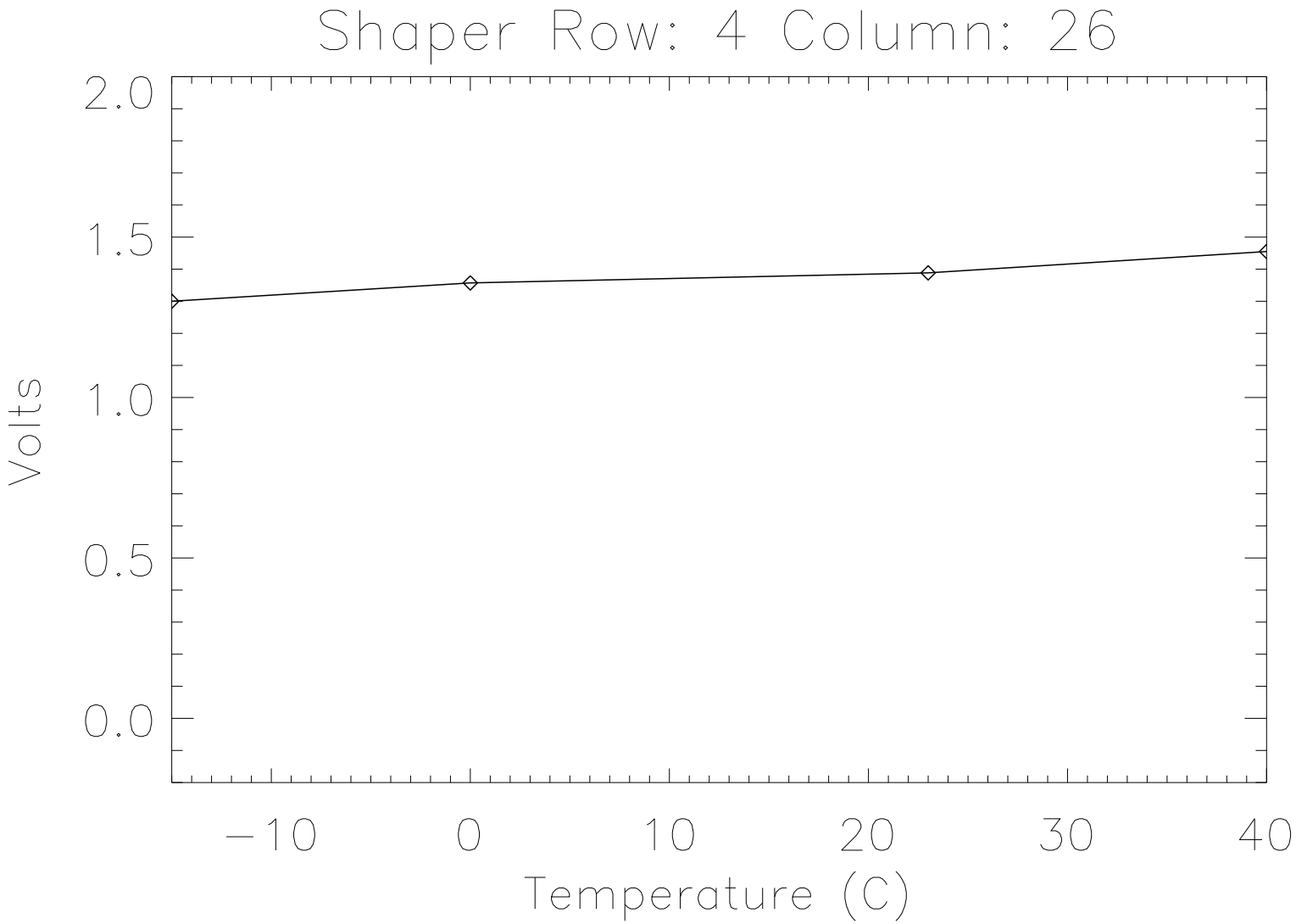
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 4 Column: 26
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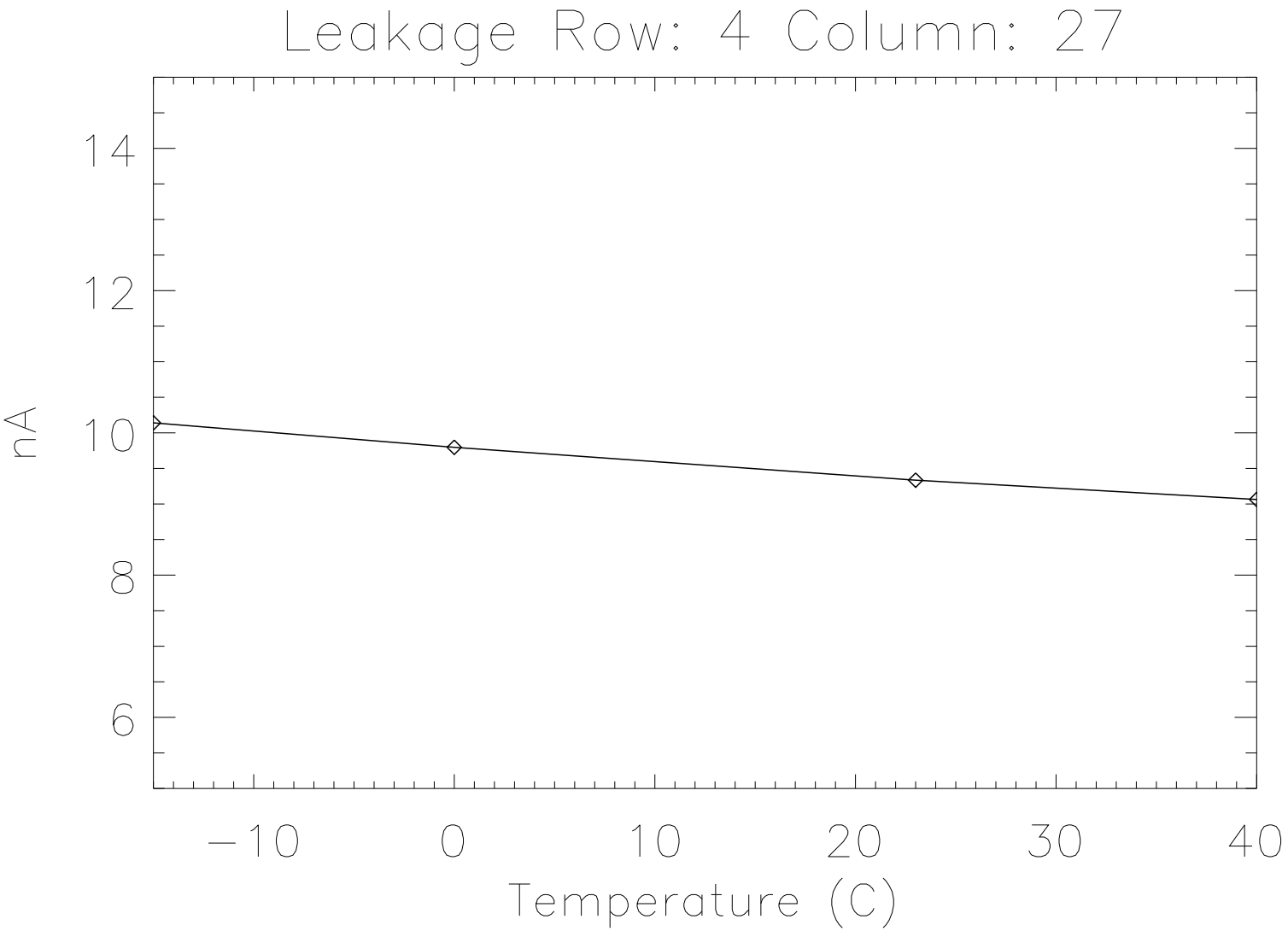
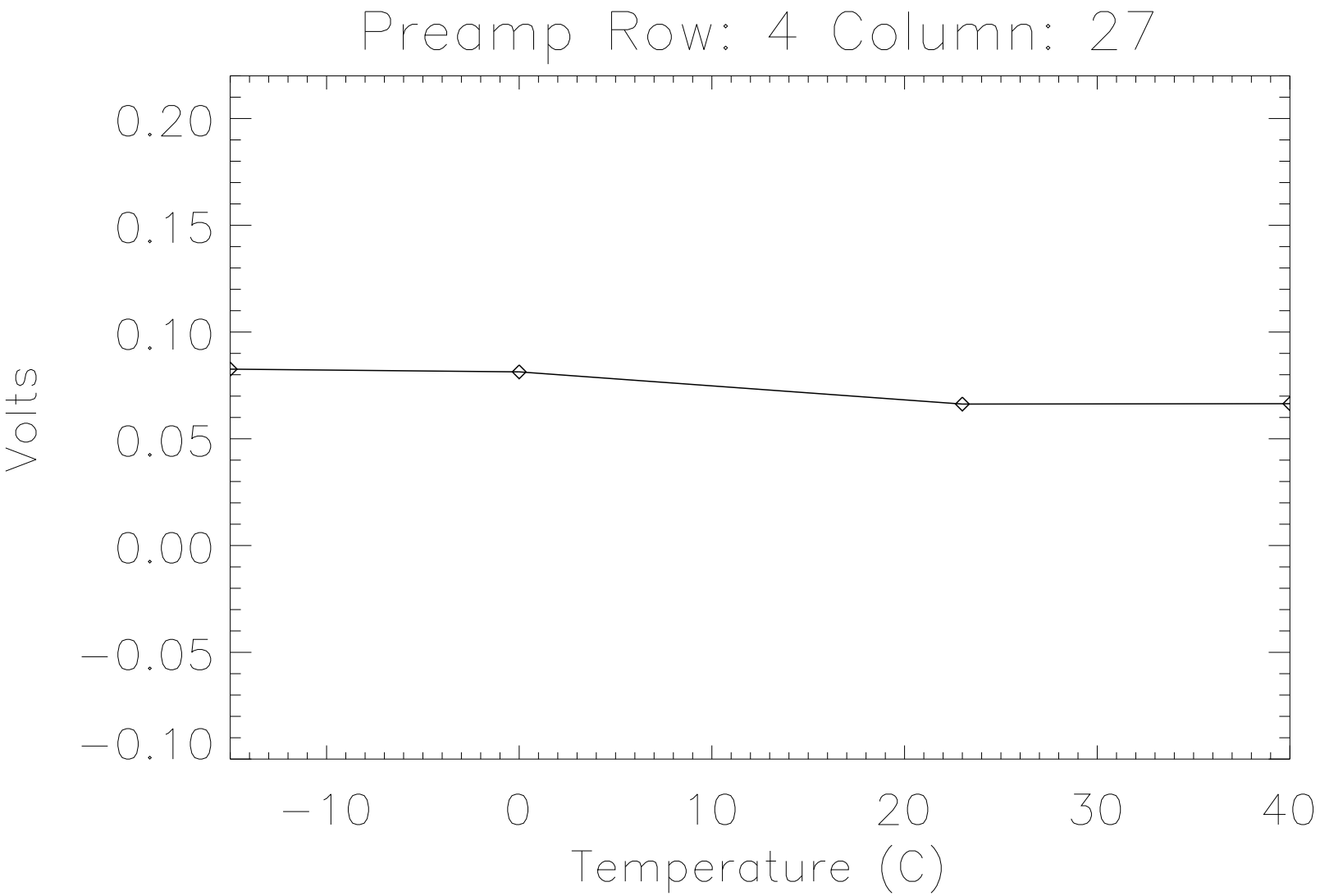
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 4 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 4 Column: 27
0.20
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0.10
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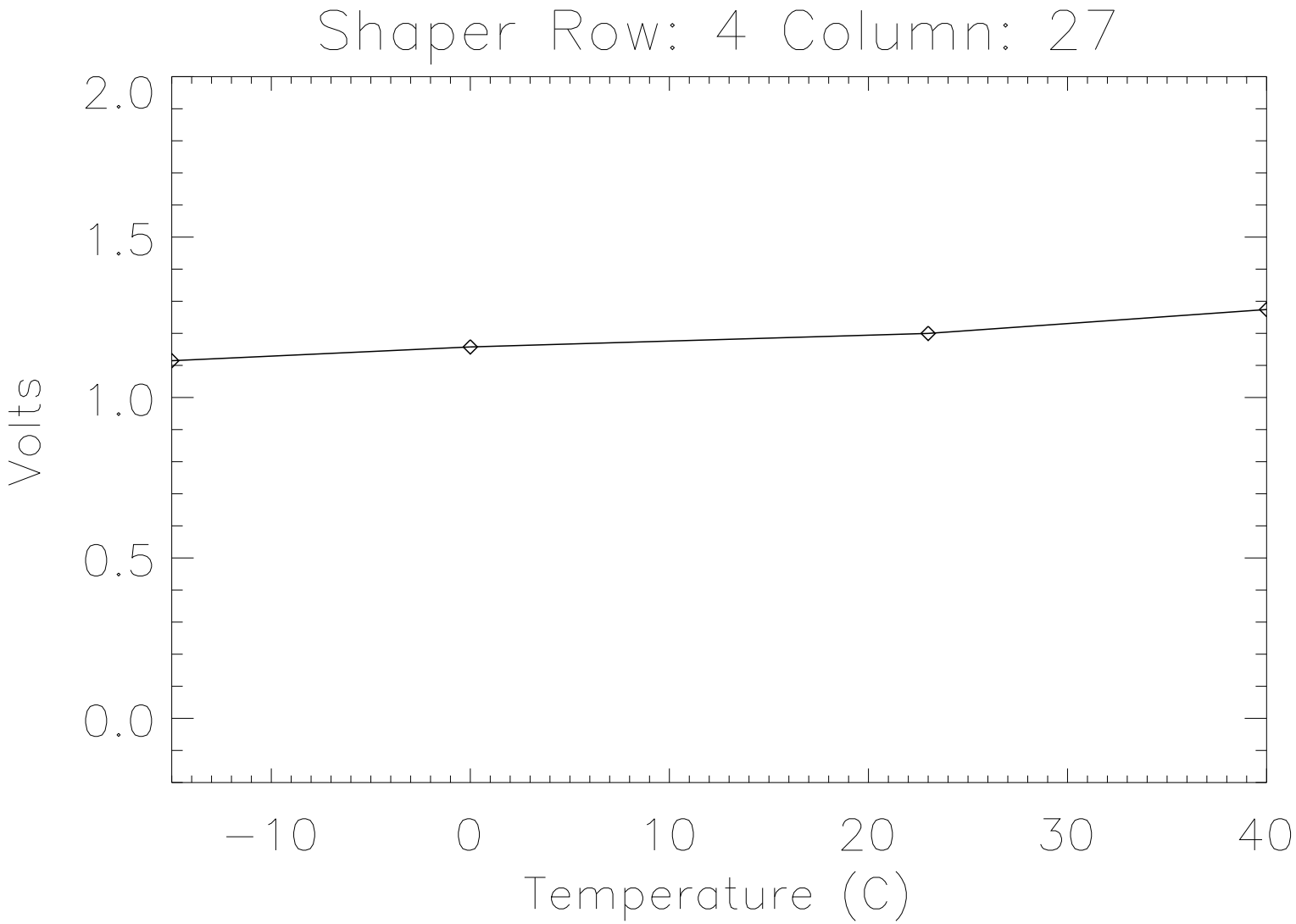
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 4 Column: 27
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1.5
1.0
0.5
0.0
Volts
−10
0
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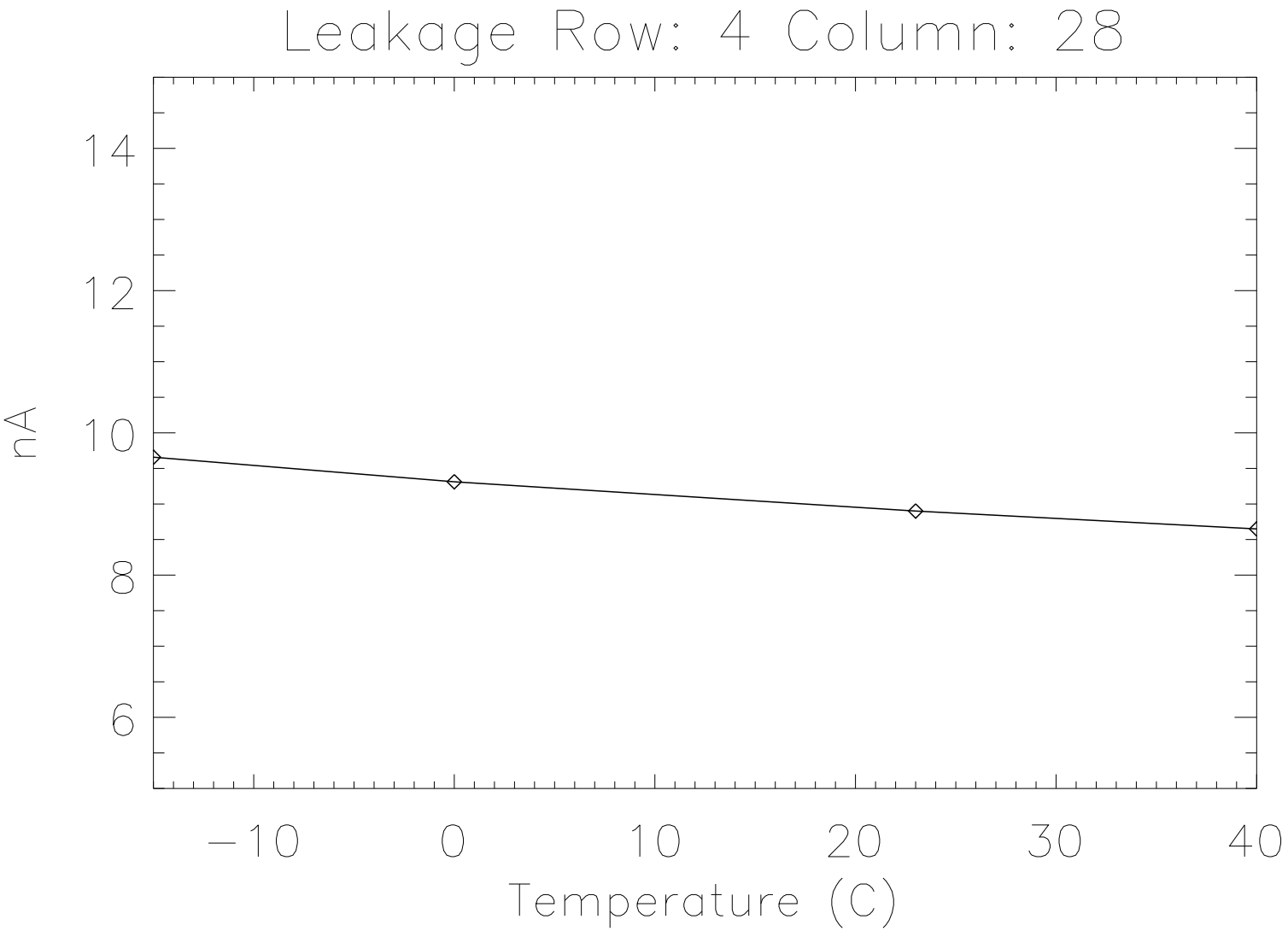
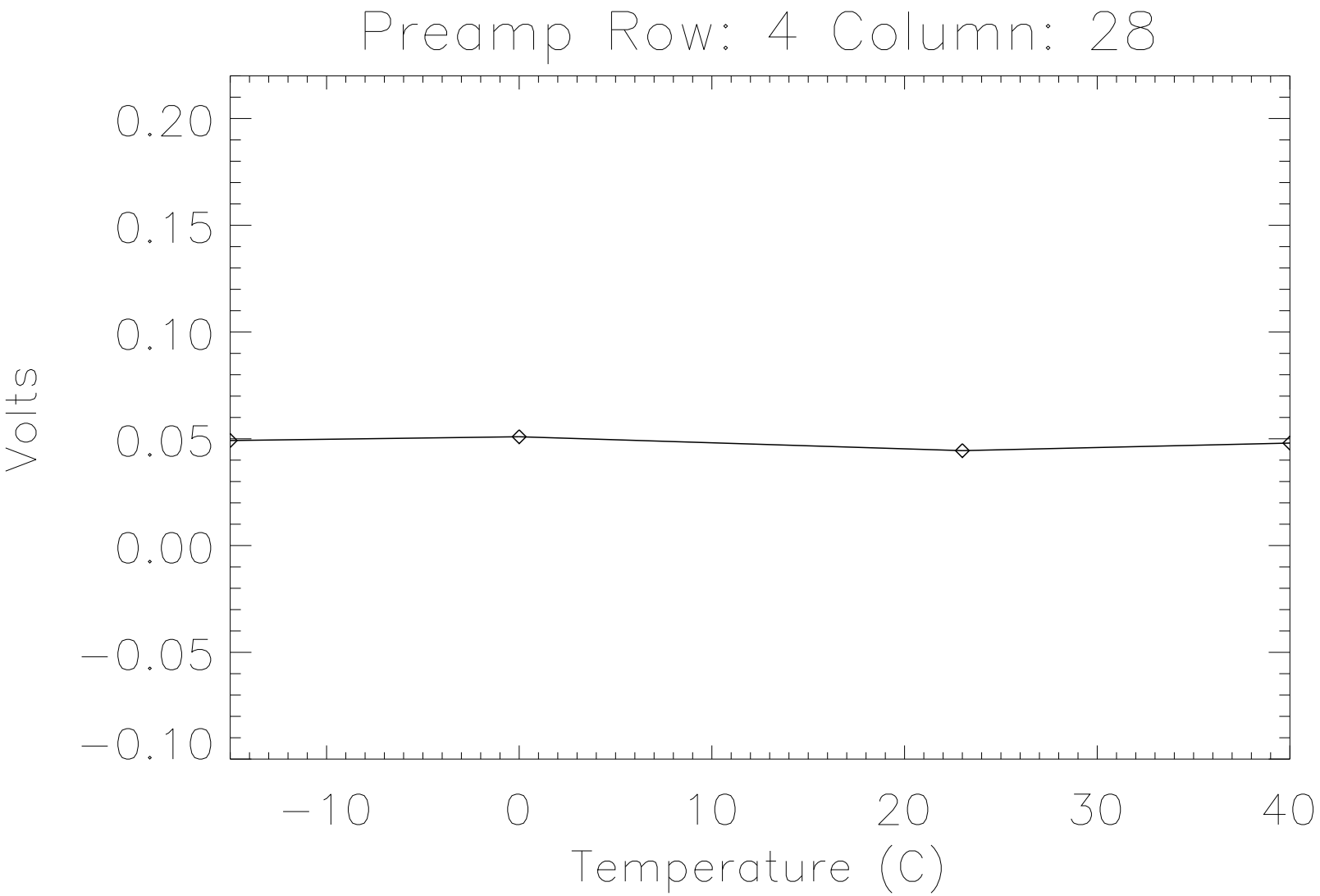
20
30
40
Temperature (C)


Leakage Row: 4 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 4 Column: 28
0.20
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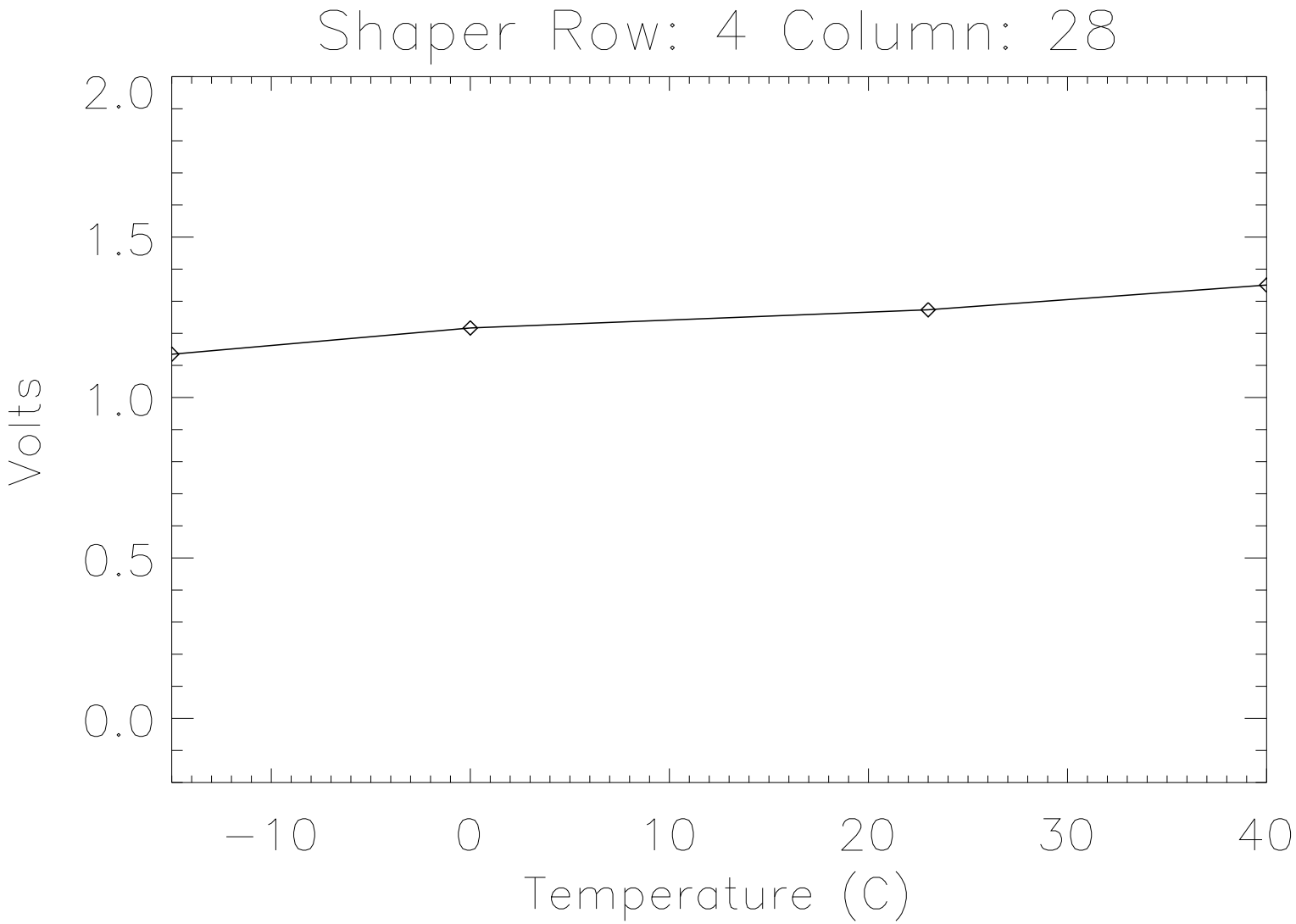
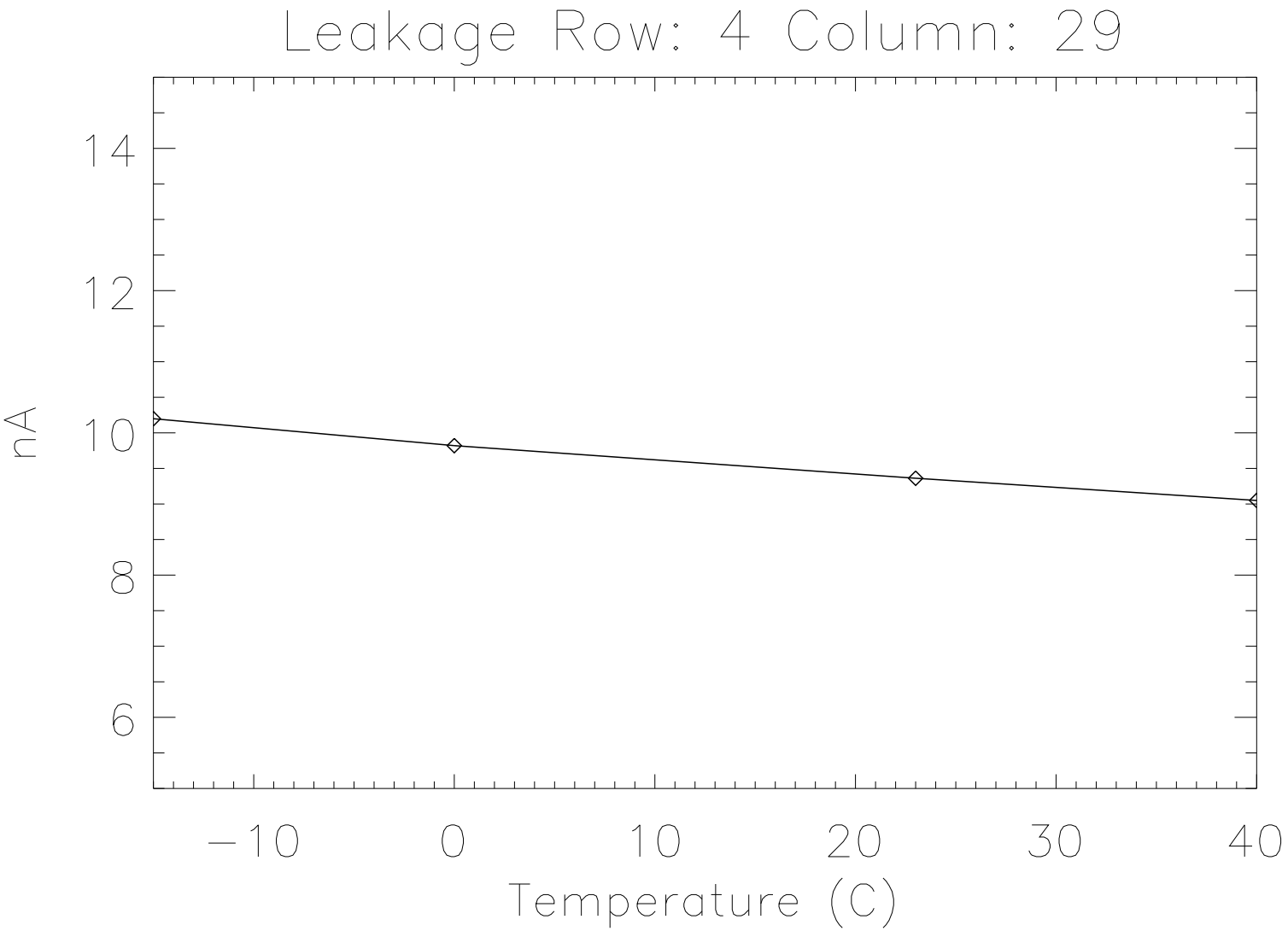
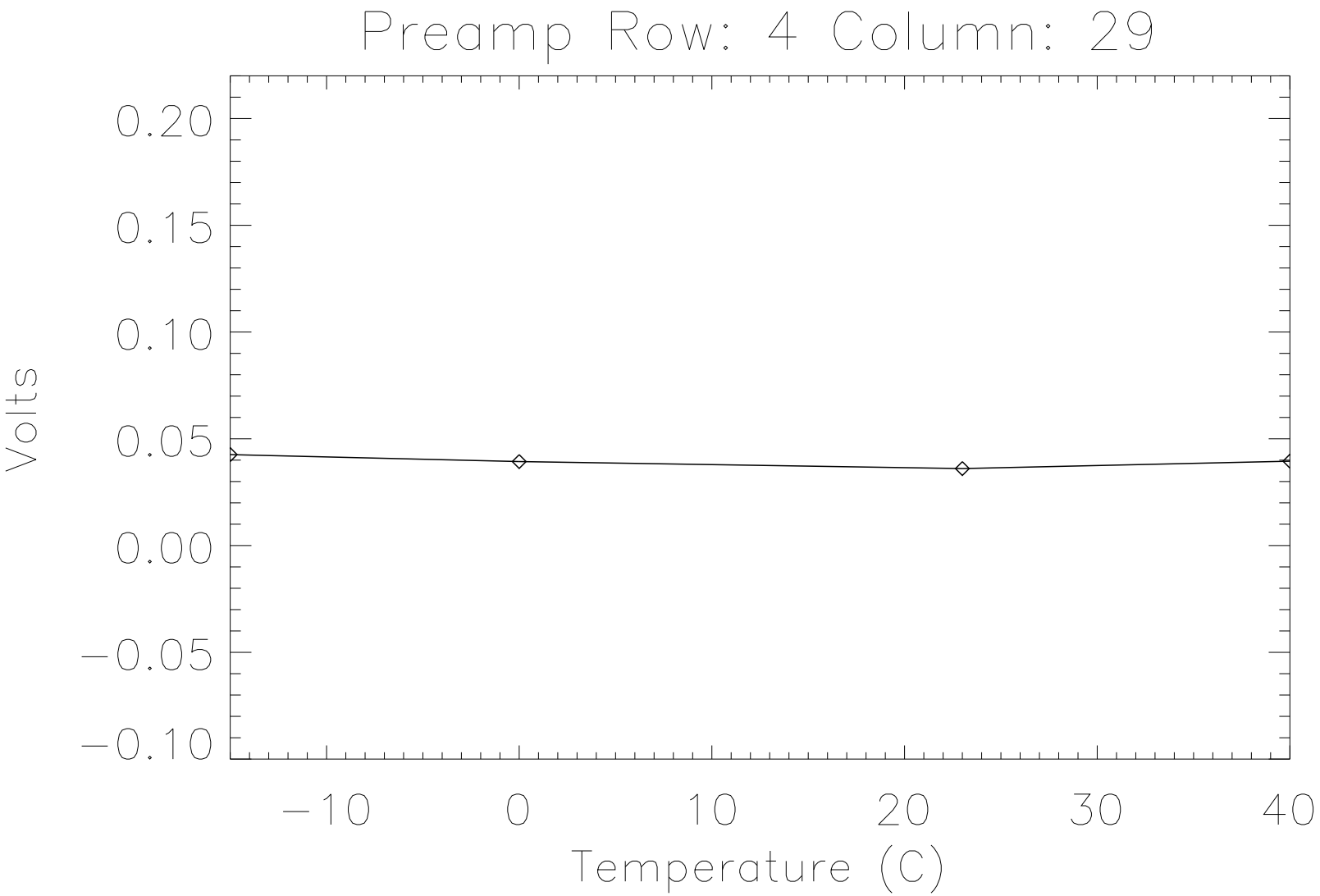
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 4 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 4 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 4 Column: 29
0.20
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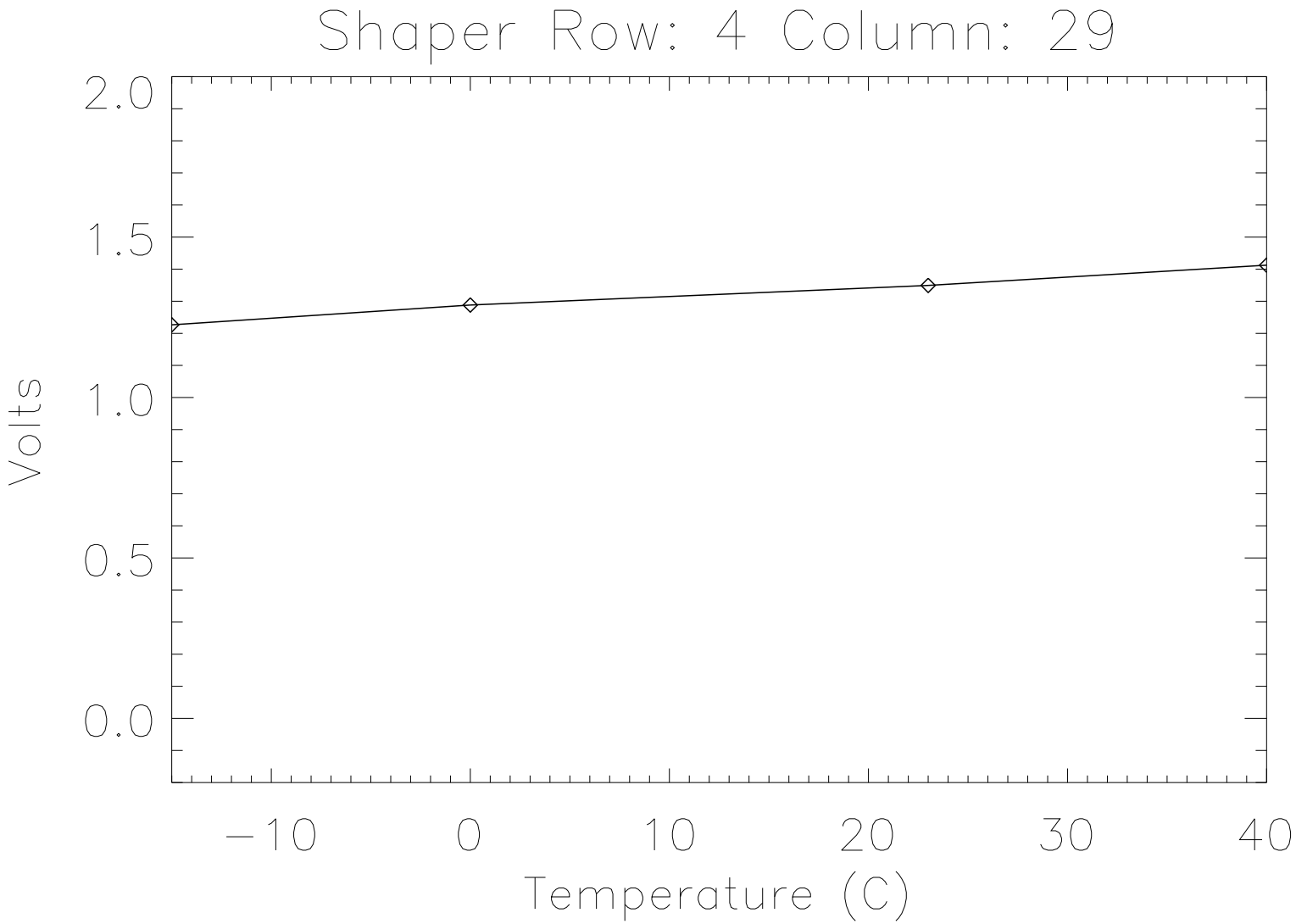
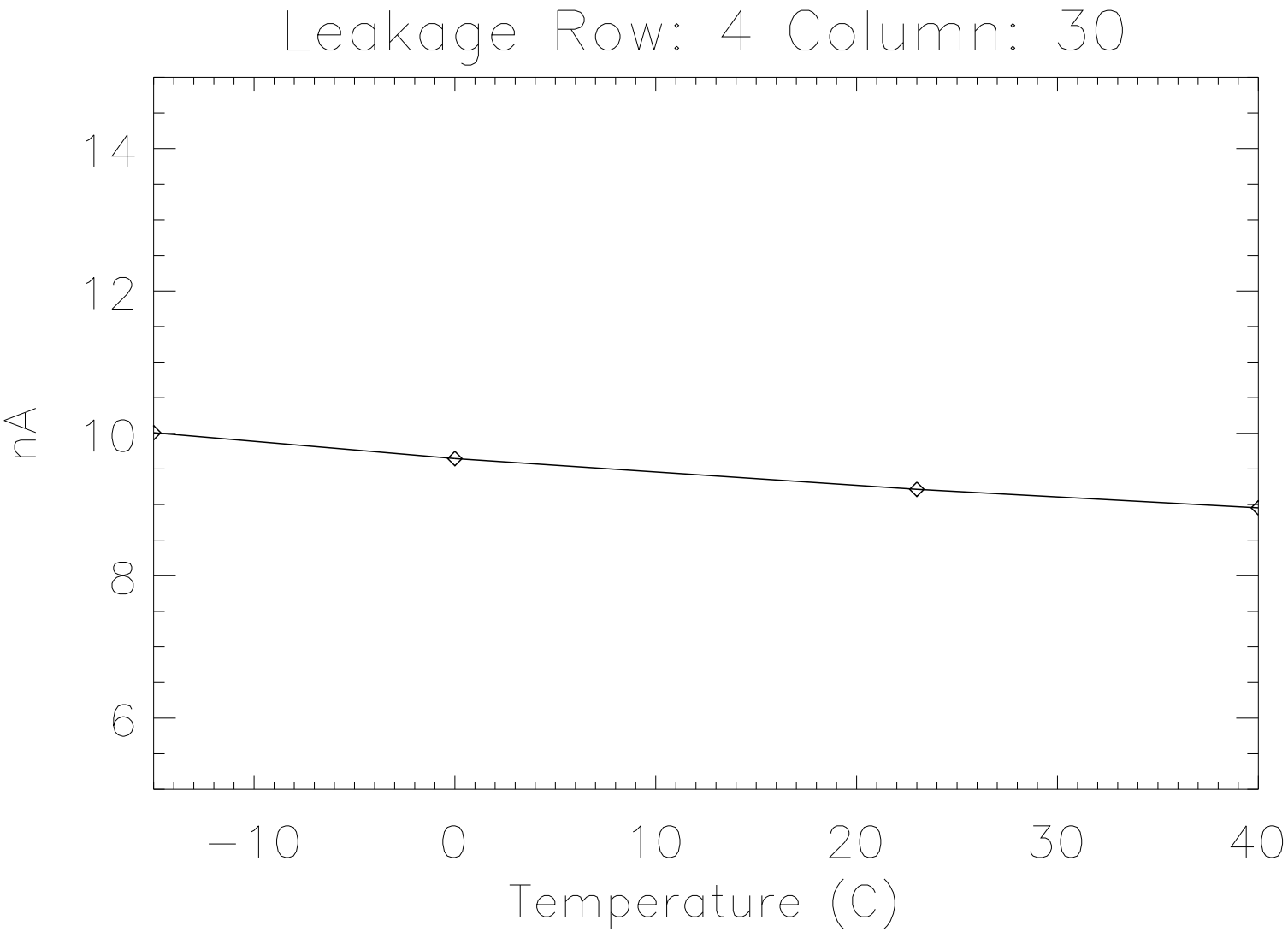
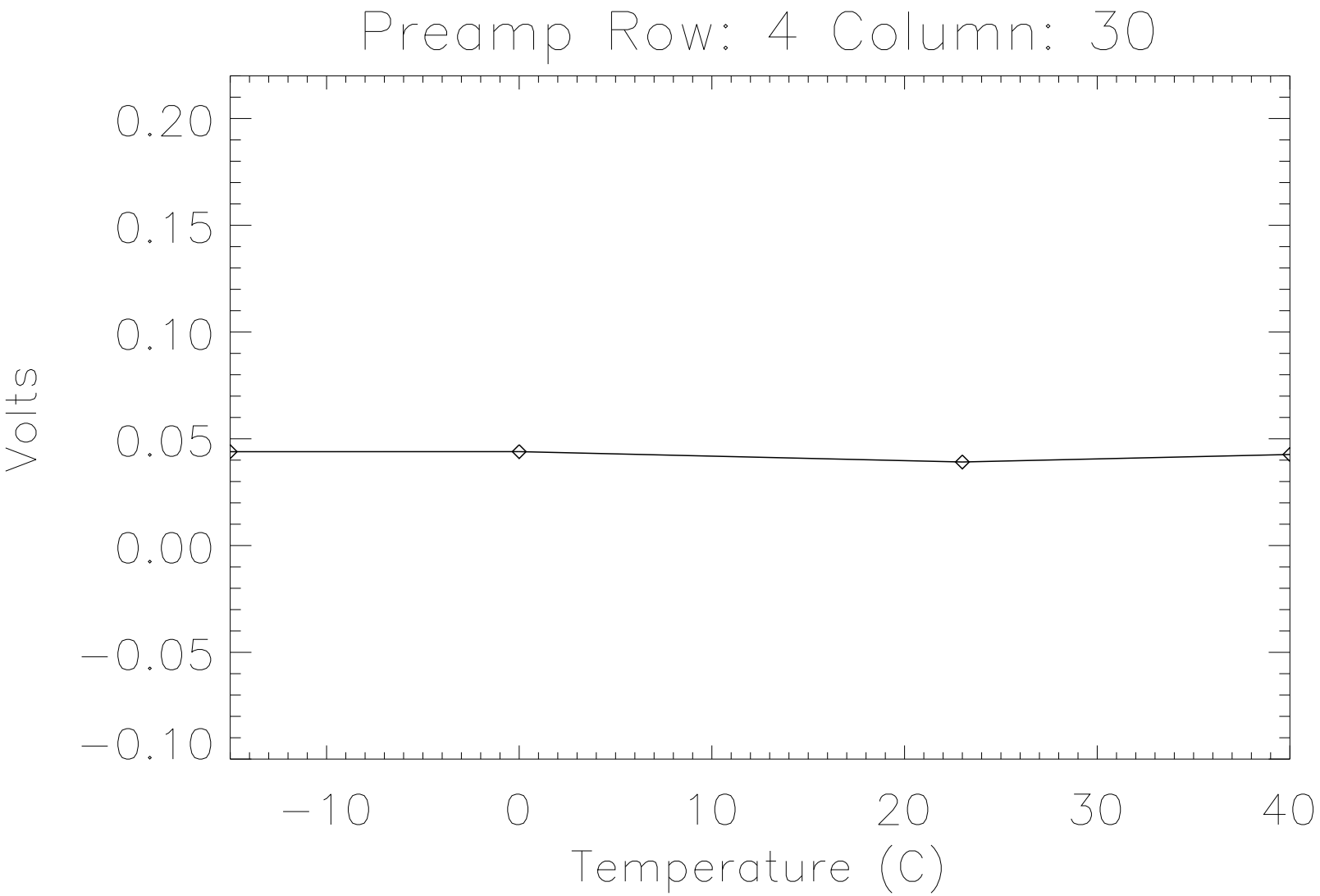
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 4 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 4 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 4 Column: 30
Volts
0.20
0.15
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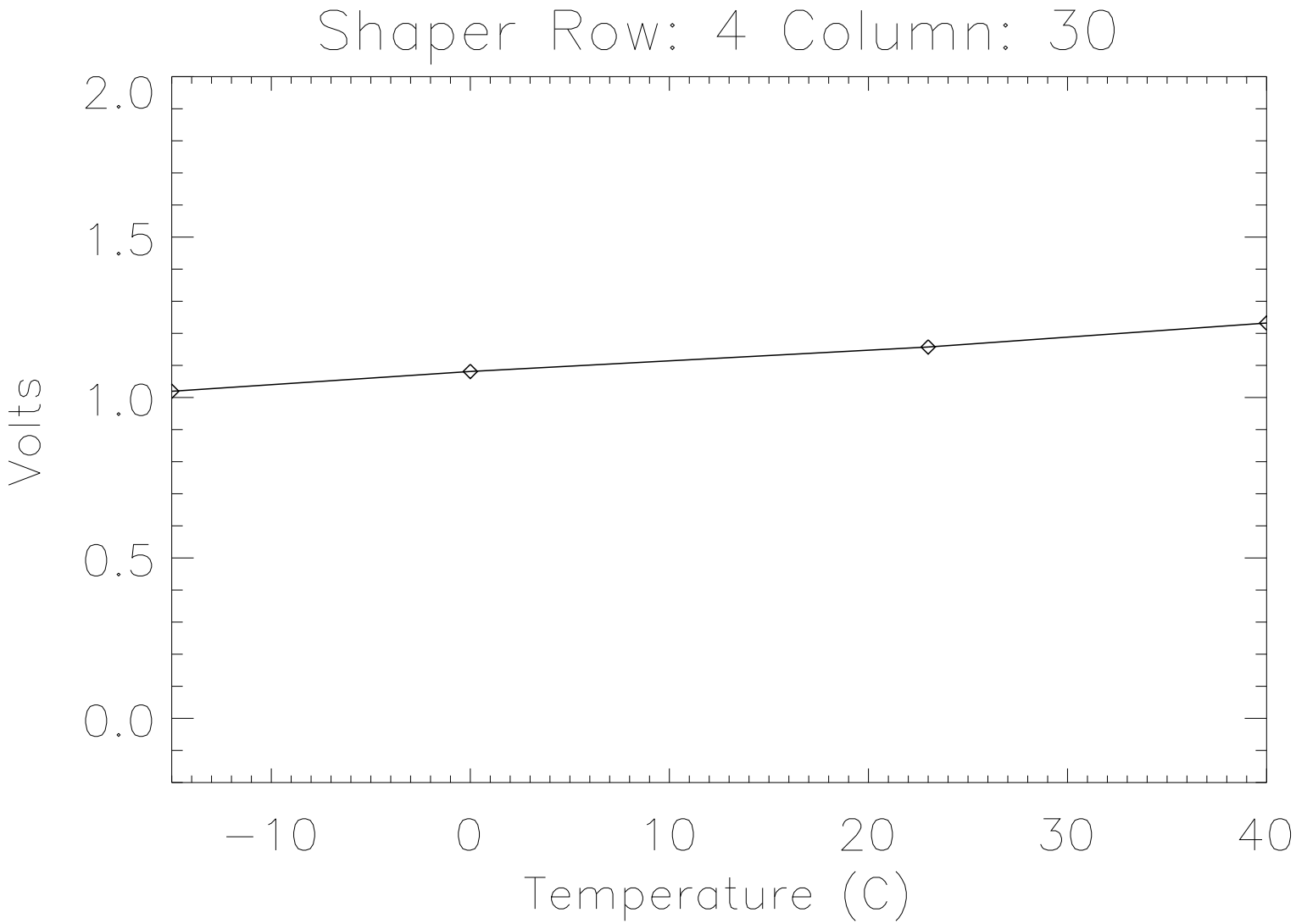
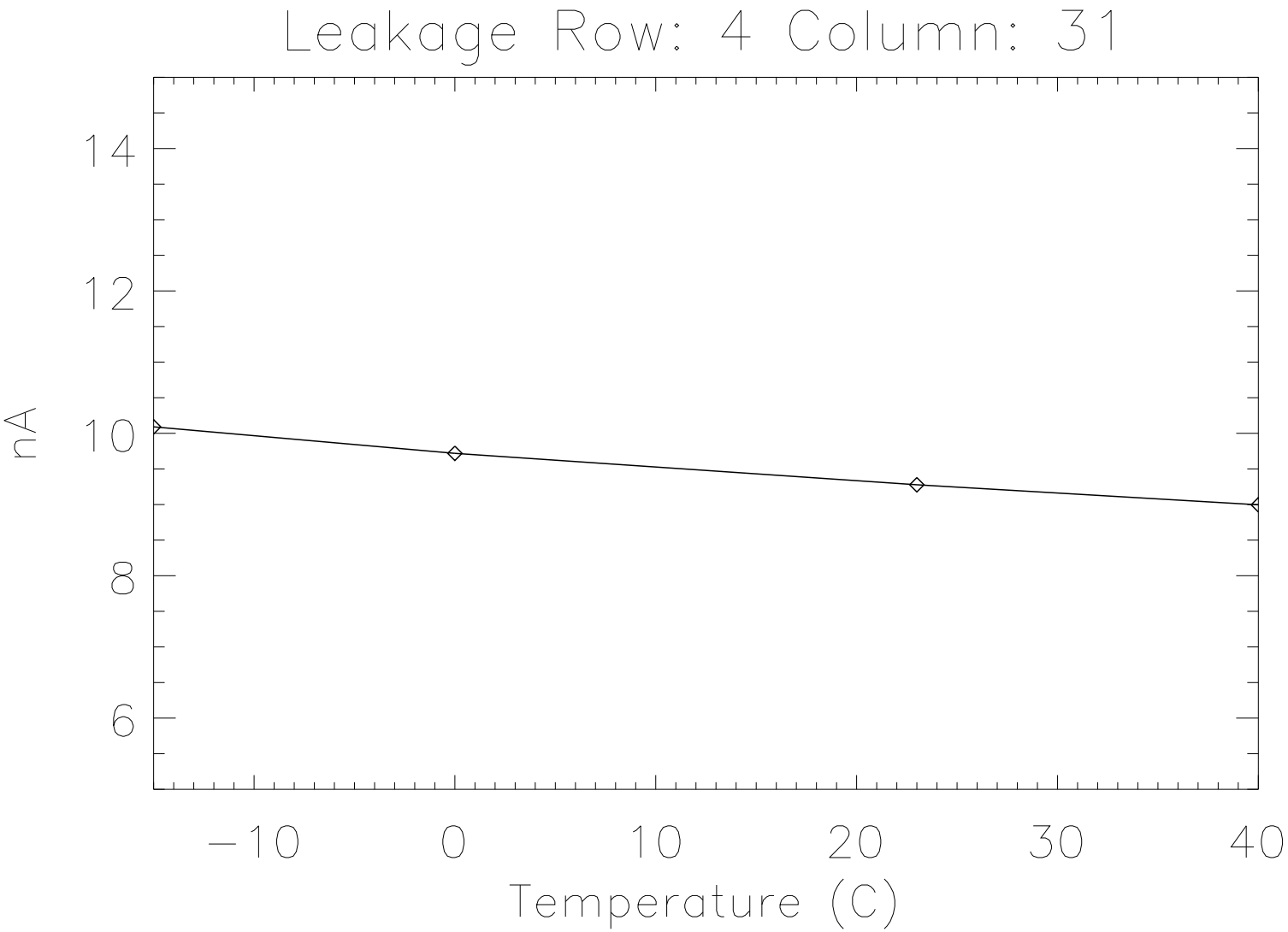
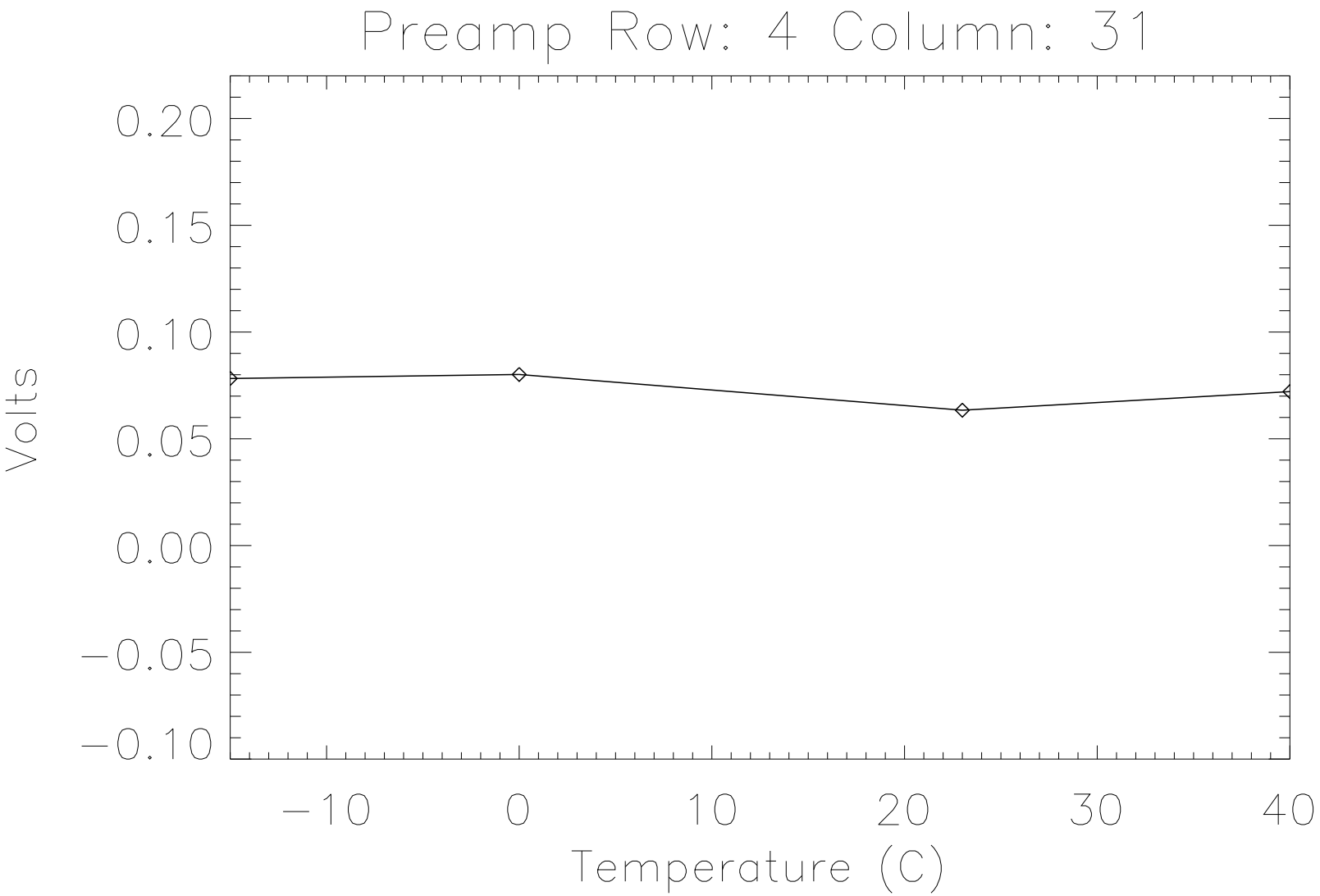
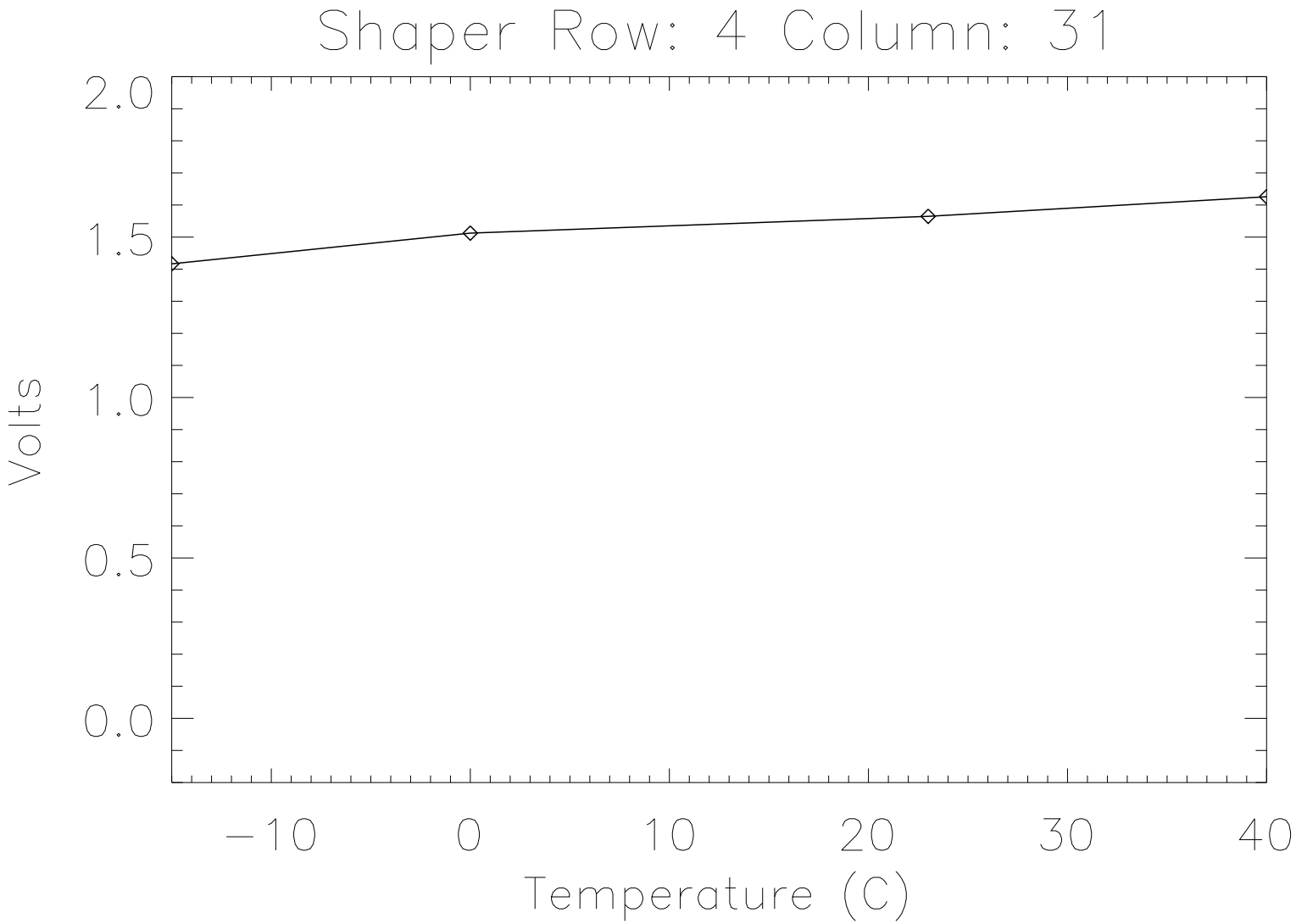
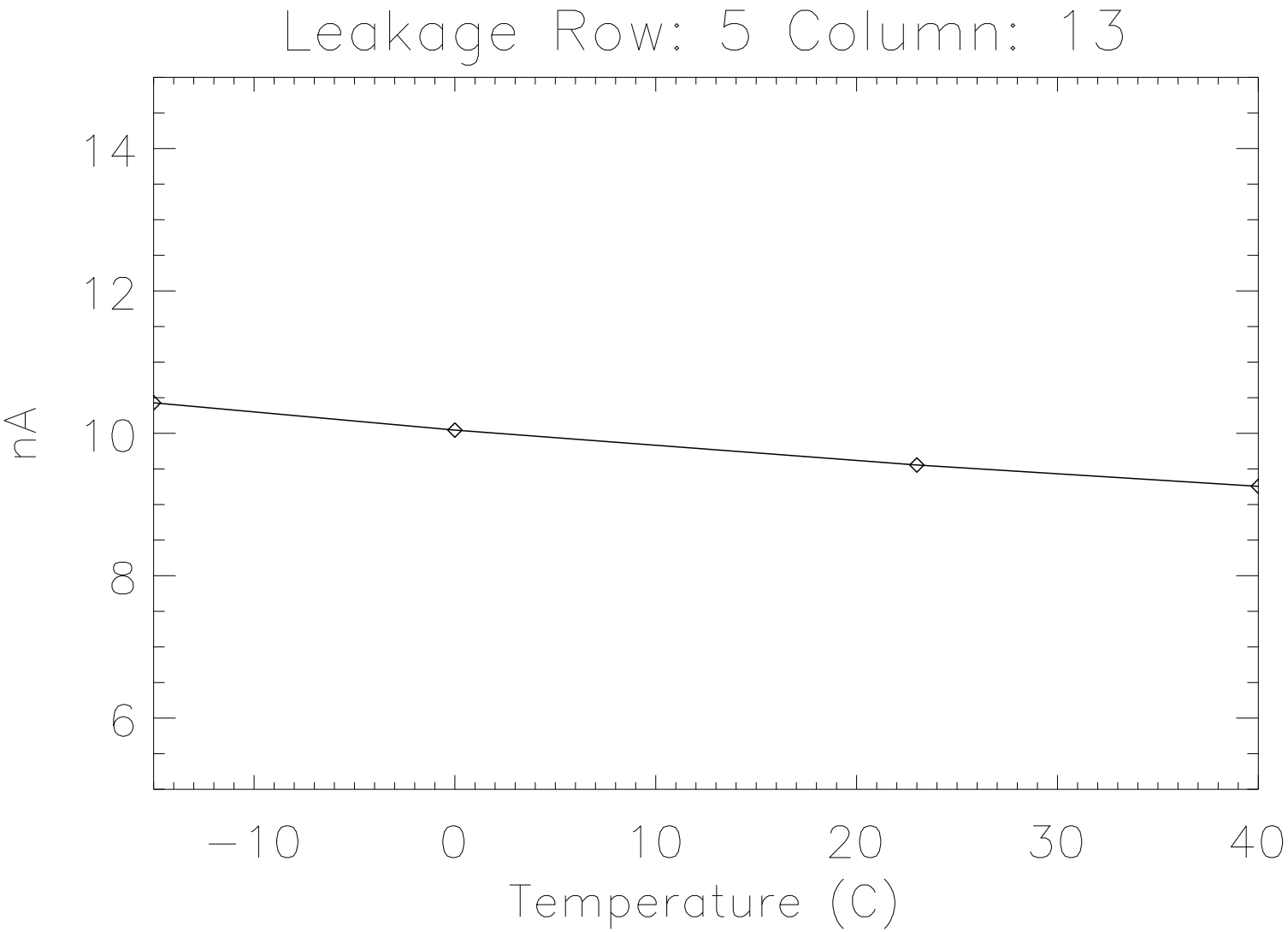
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

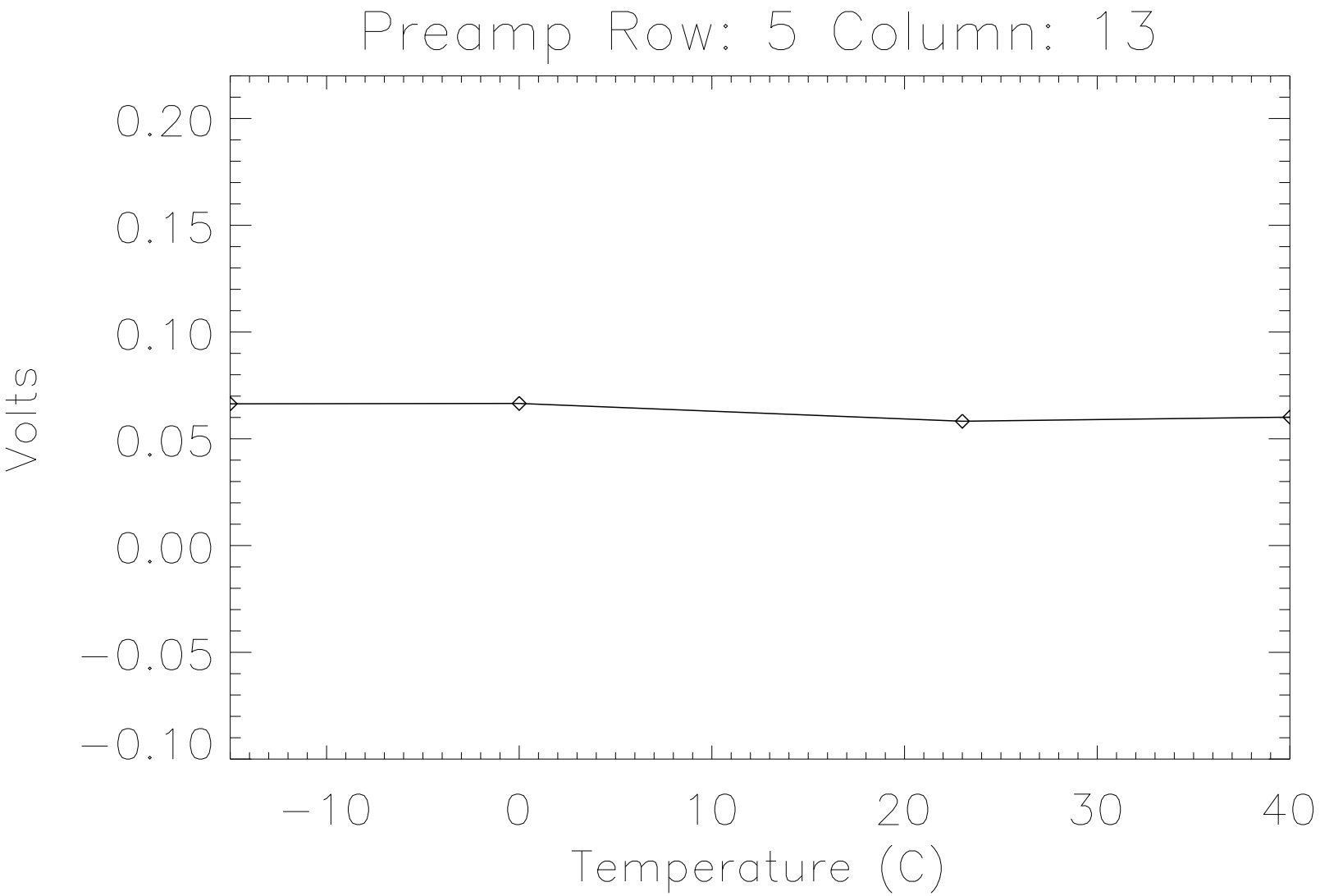

Shaper Row: 4 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

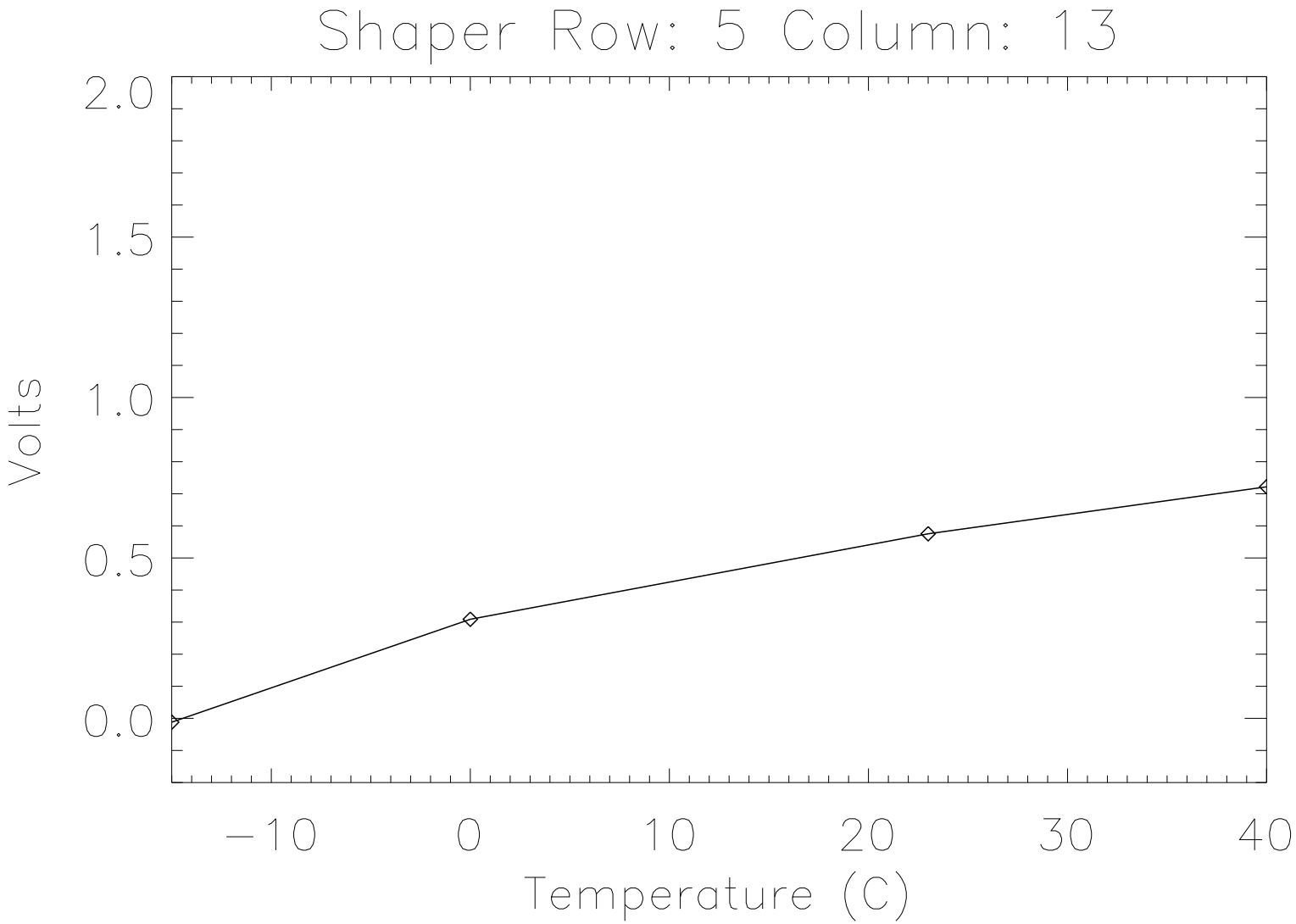

Leakage Row: 4 Column: 31
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

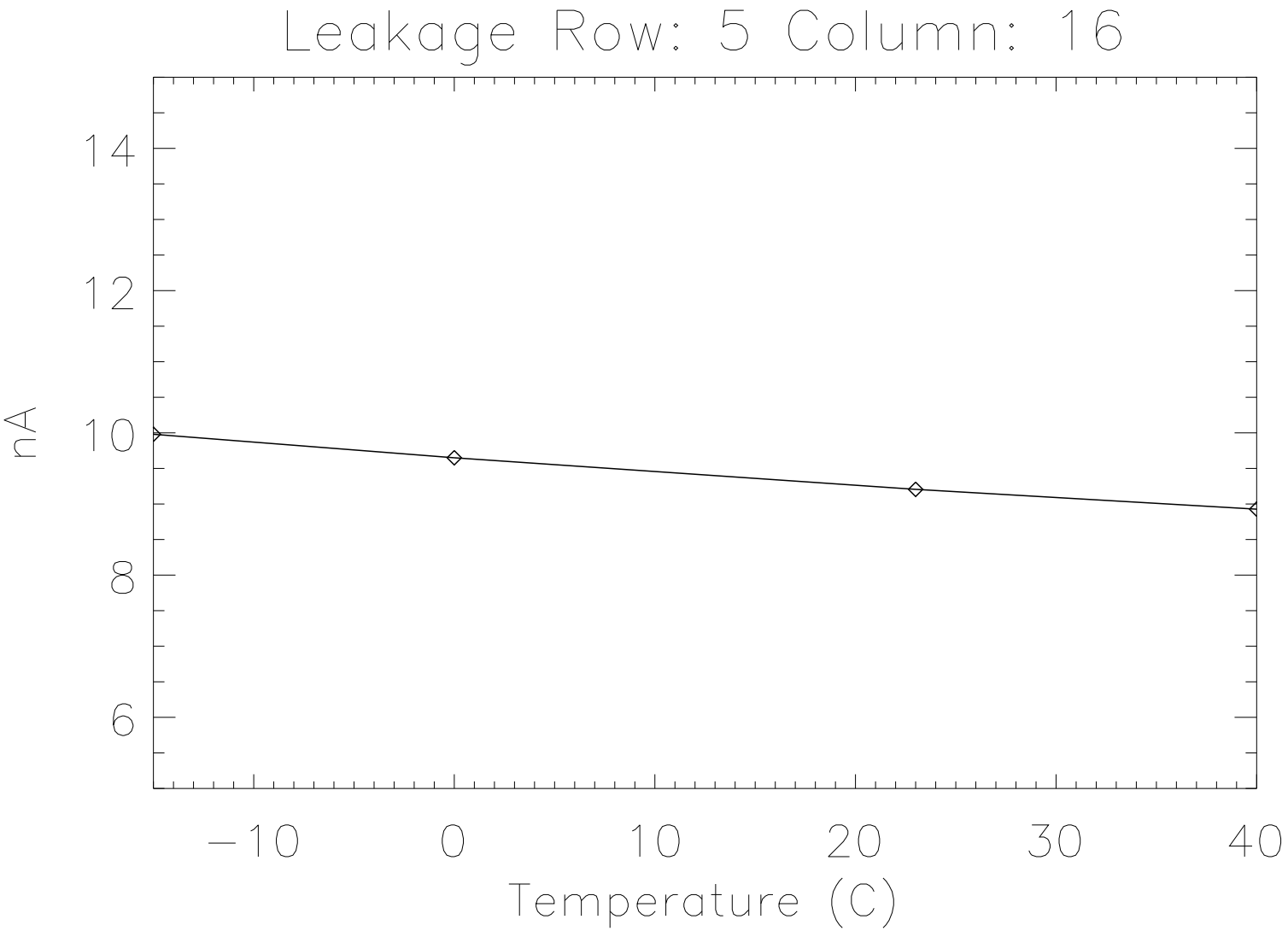

Preamp Row: 4 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

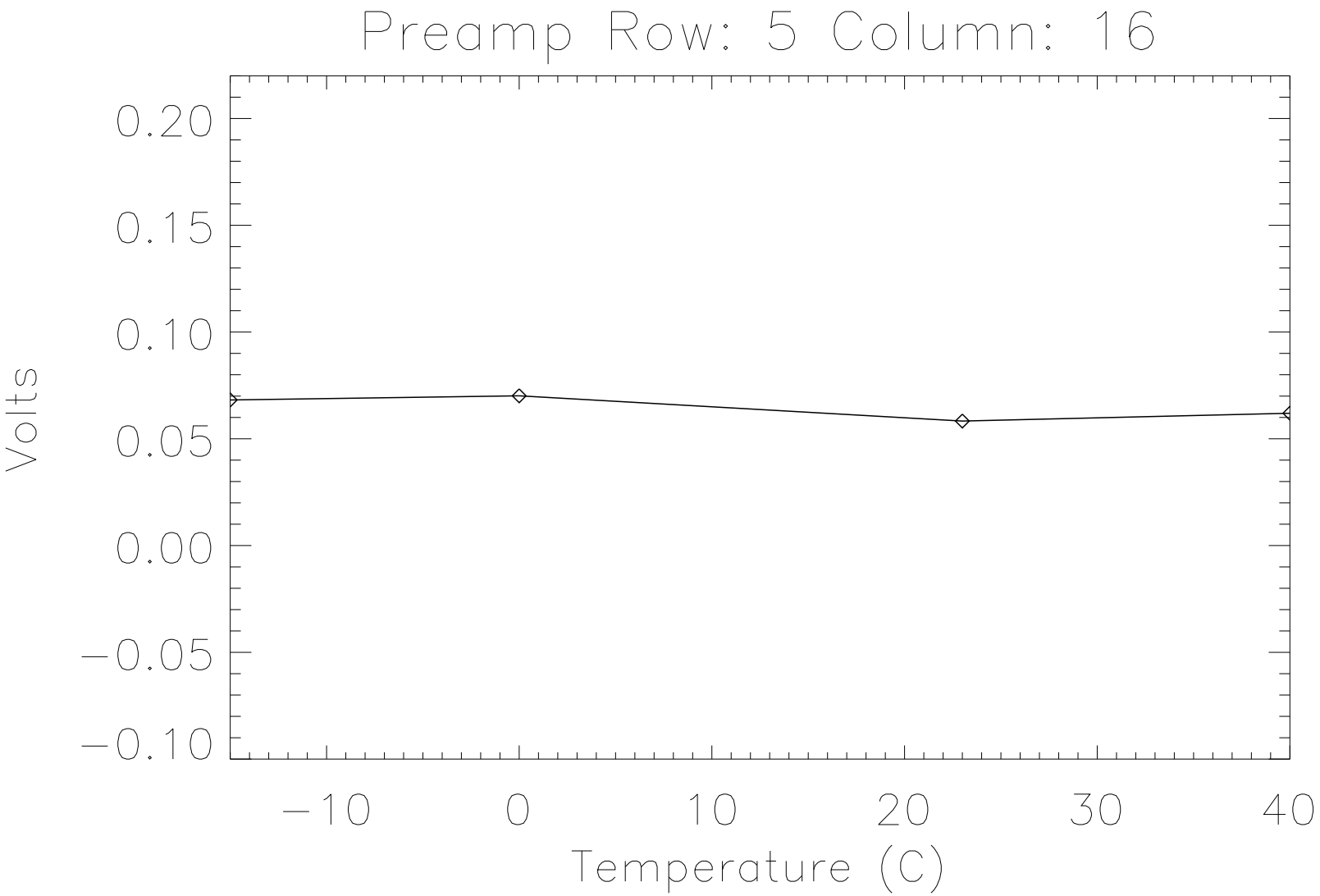

Shaper Row: 4 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

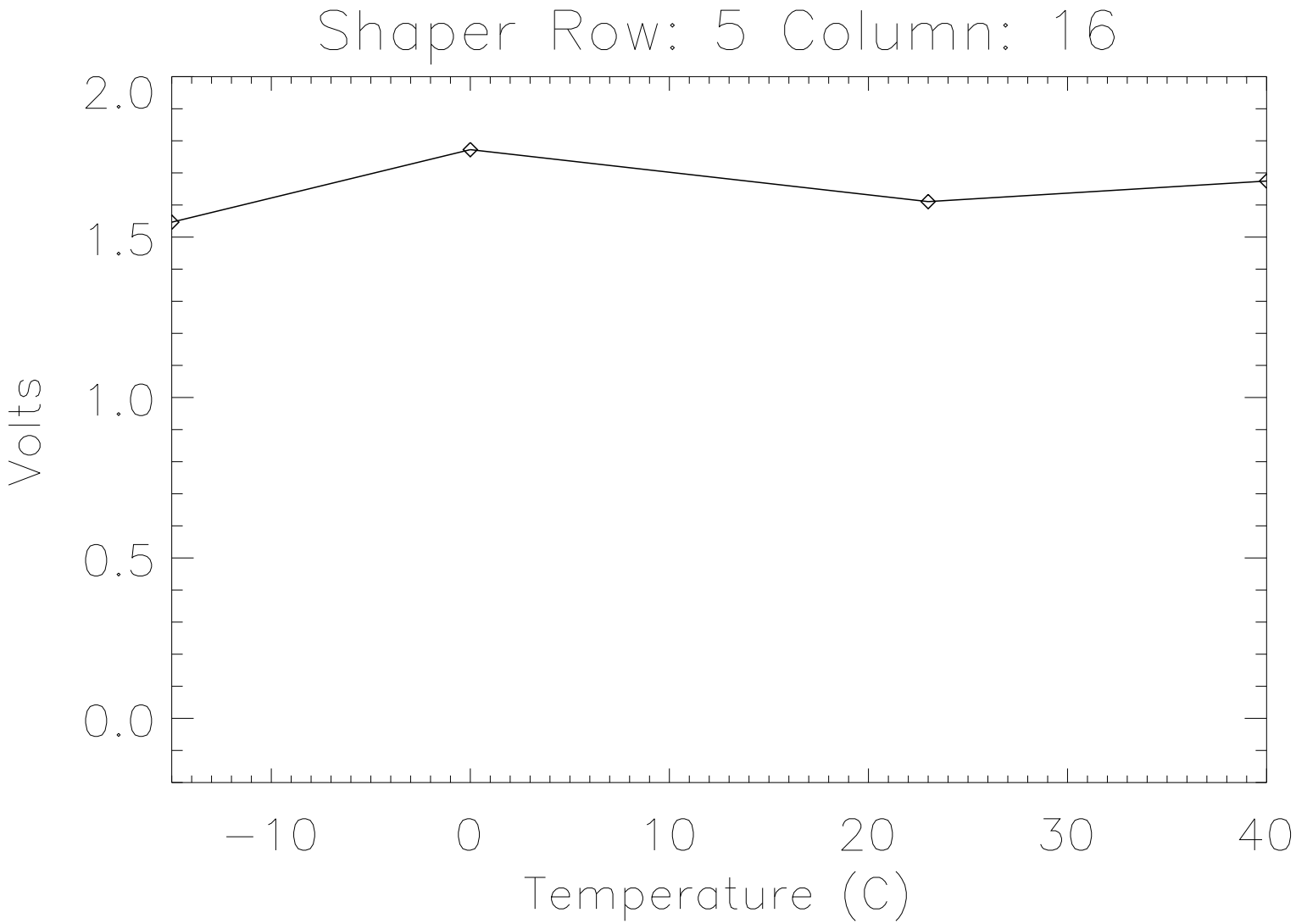

Leakage Row: 5 Column: 13
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

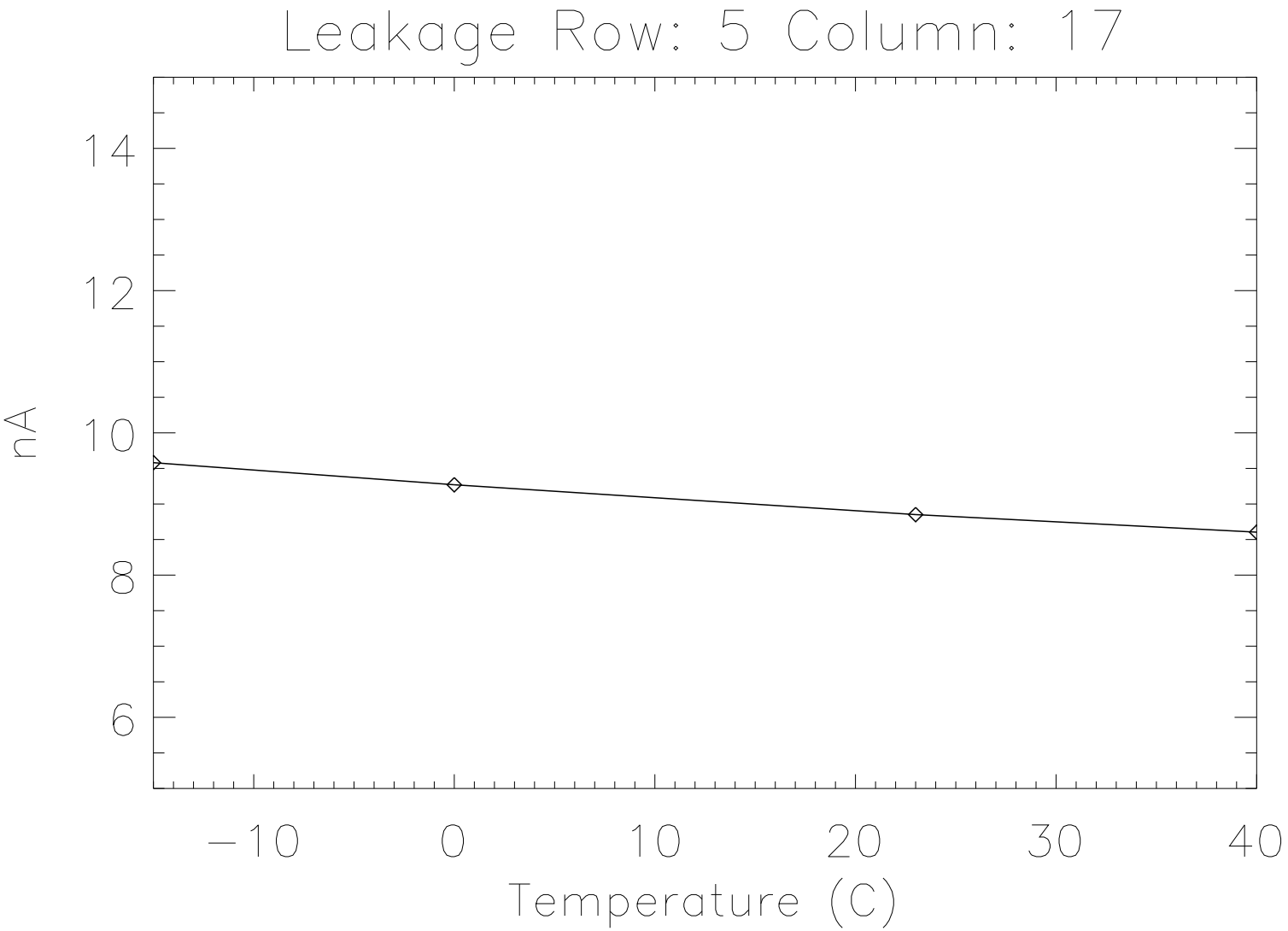

Preamp Row: 5 Column: 13
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

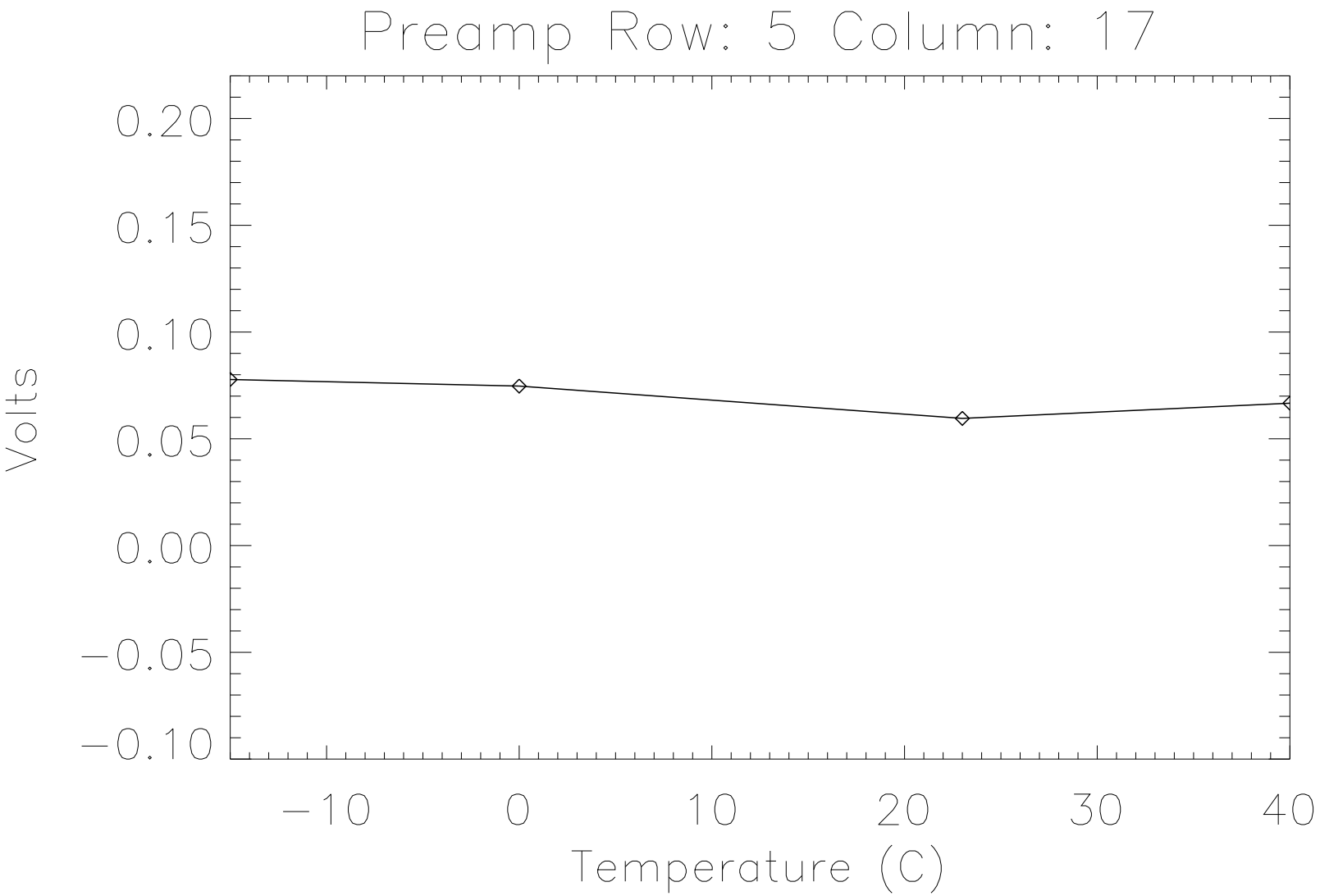

Shaper Row: 5 Column: 13
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

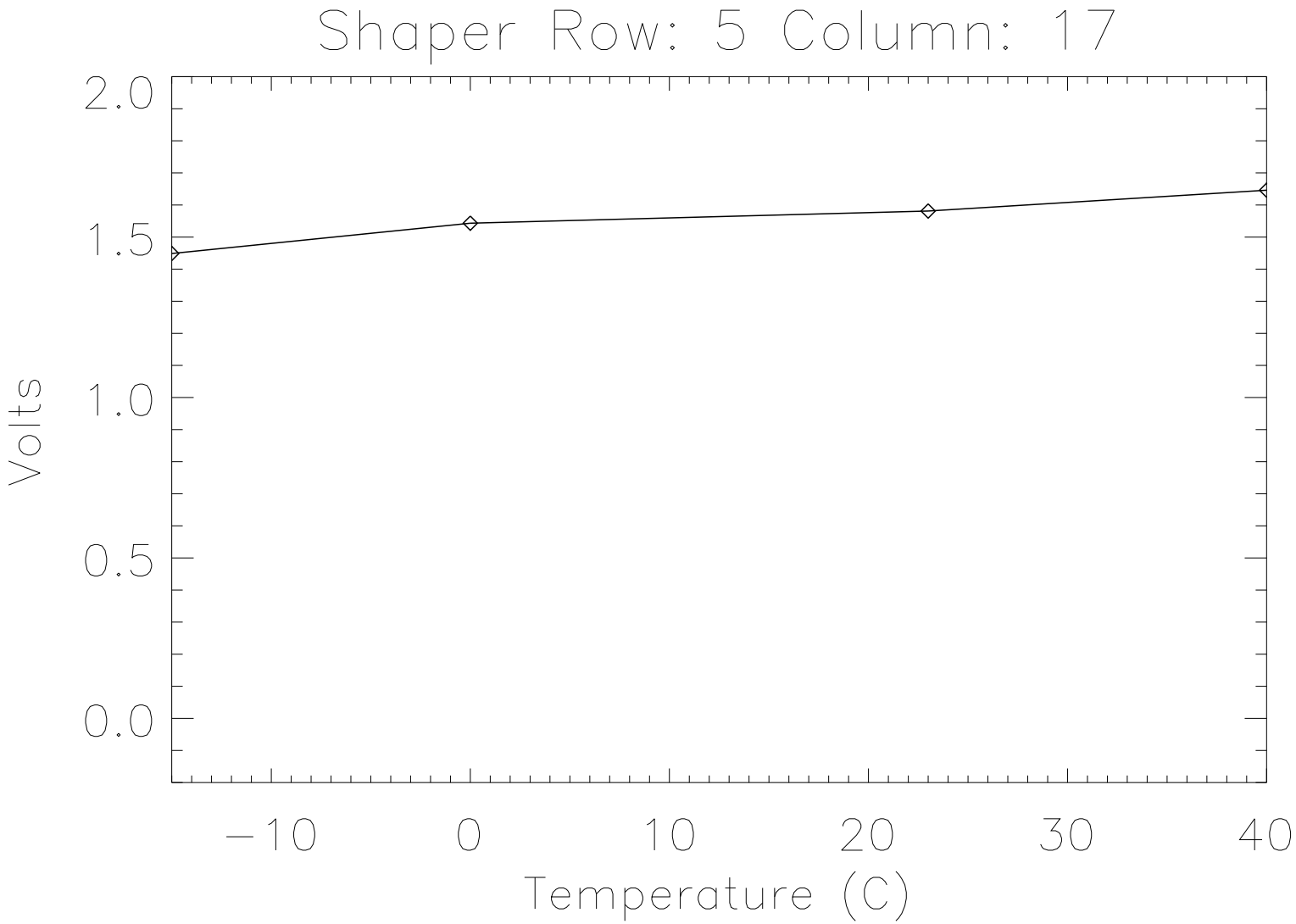

Leakage Row: 5 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

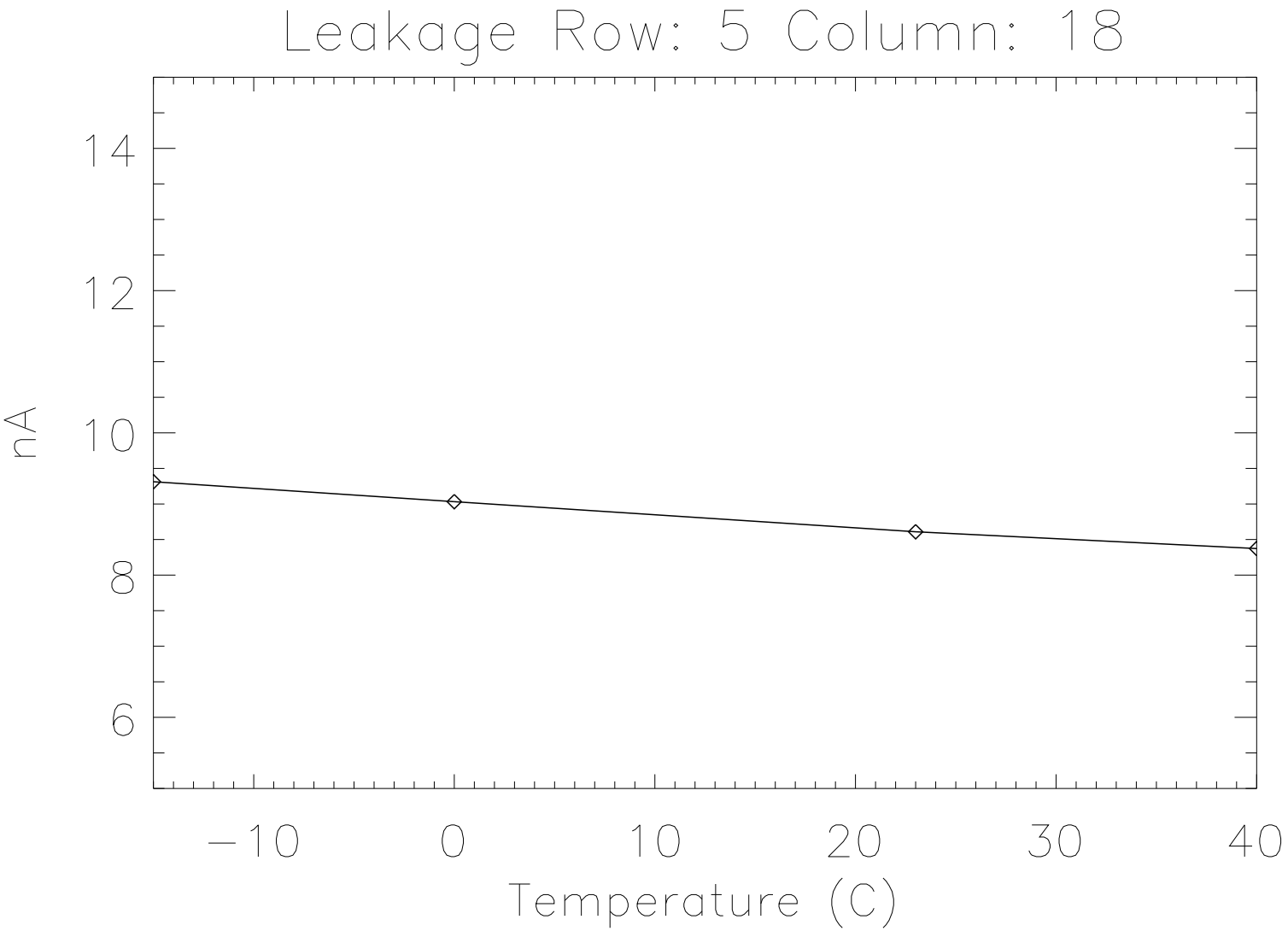

Preamp Row: 5 Column: 16
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

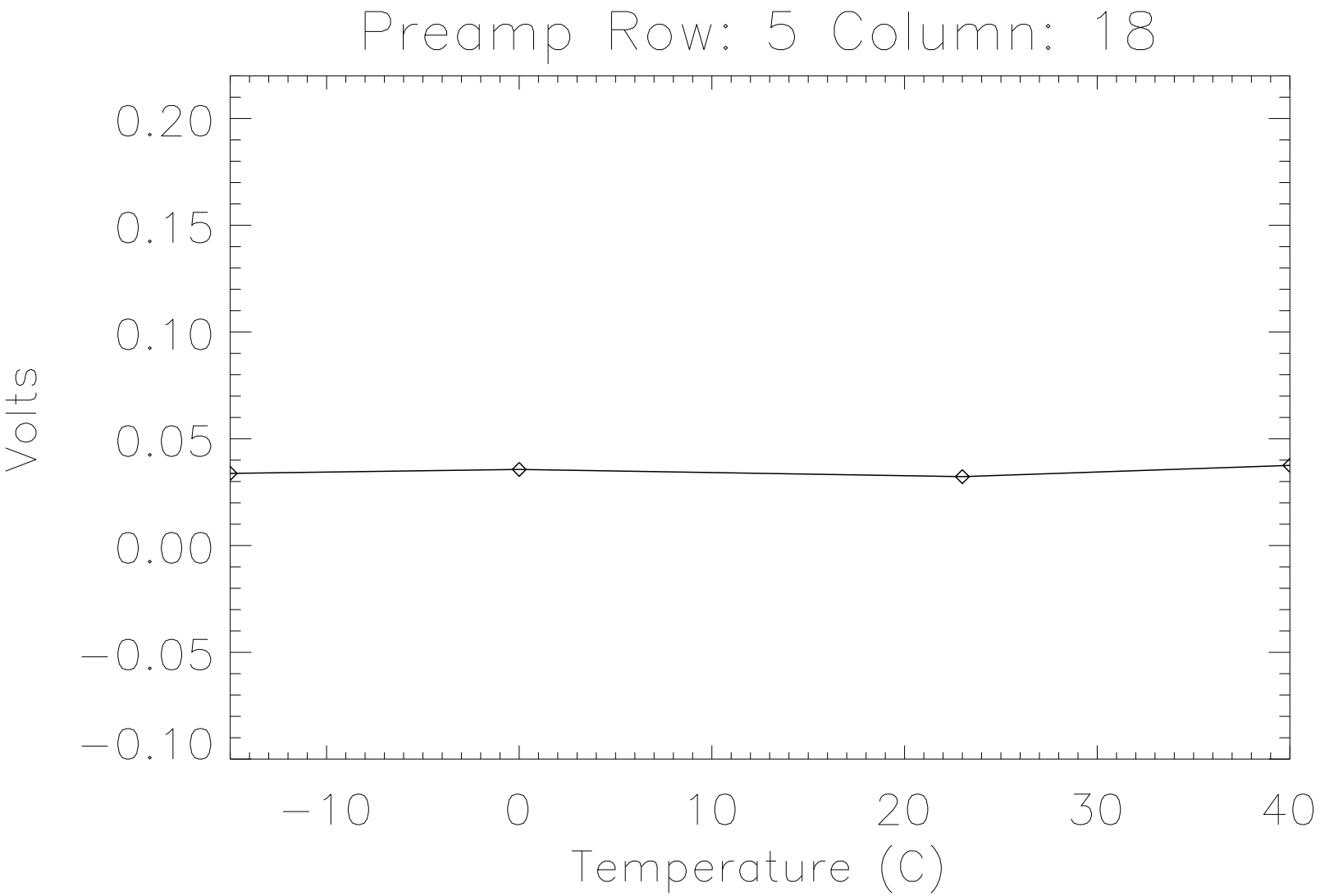

Shaper Row: 5 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

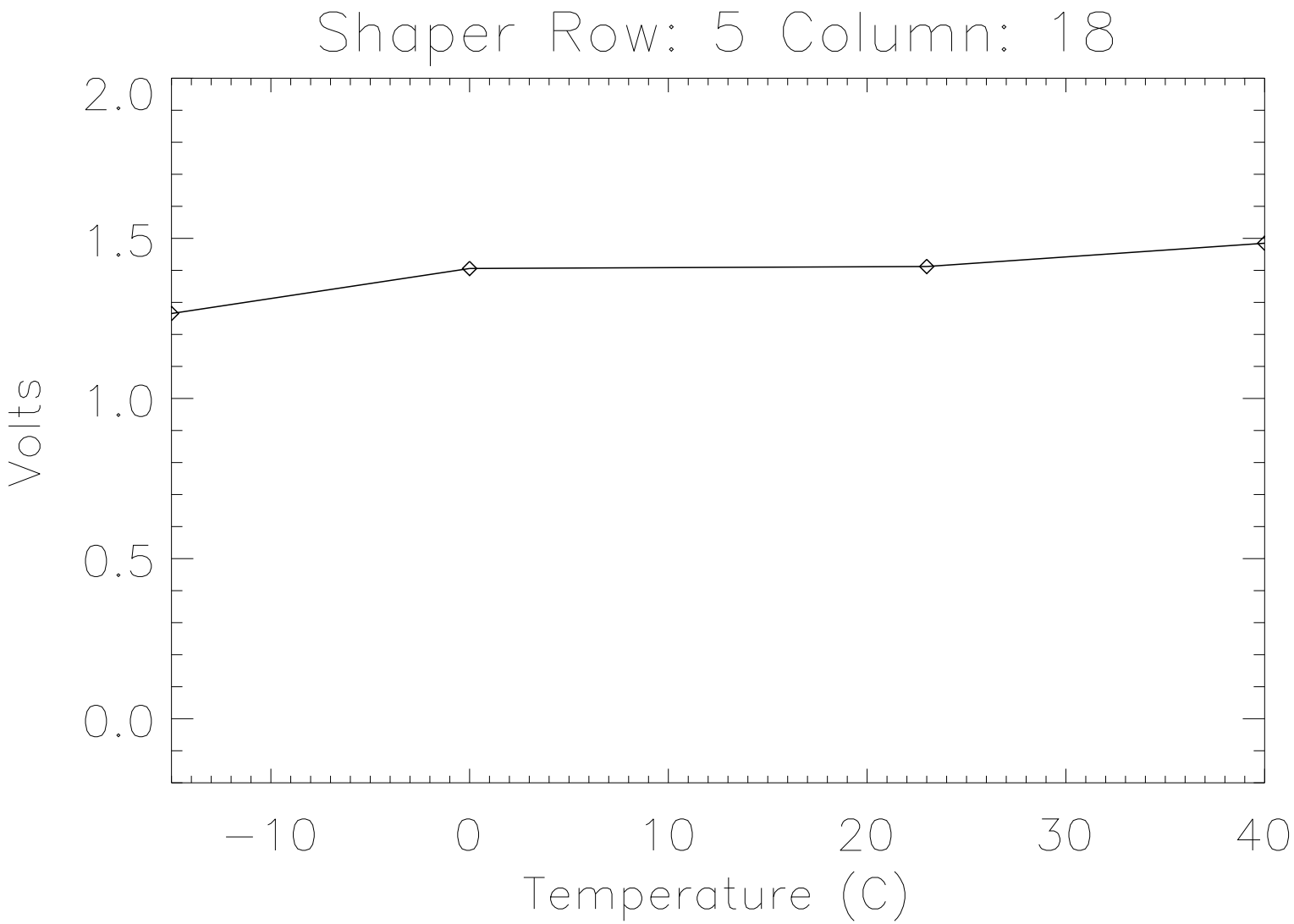

Leakage Row: 5 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

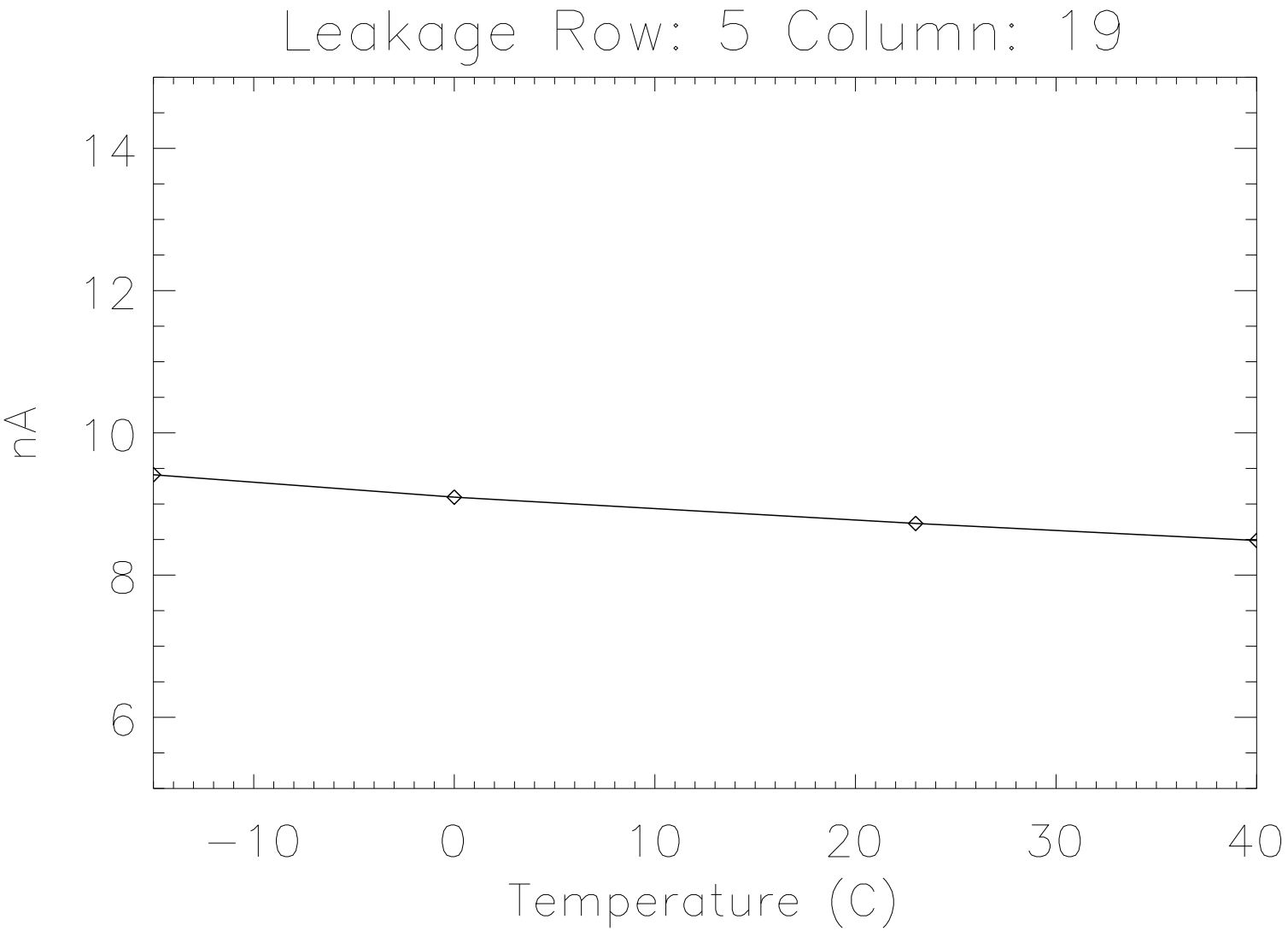

Preamp Row: 5 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

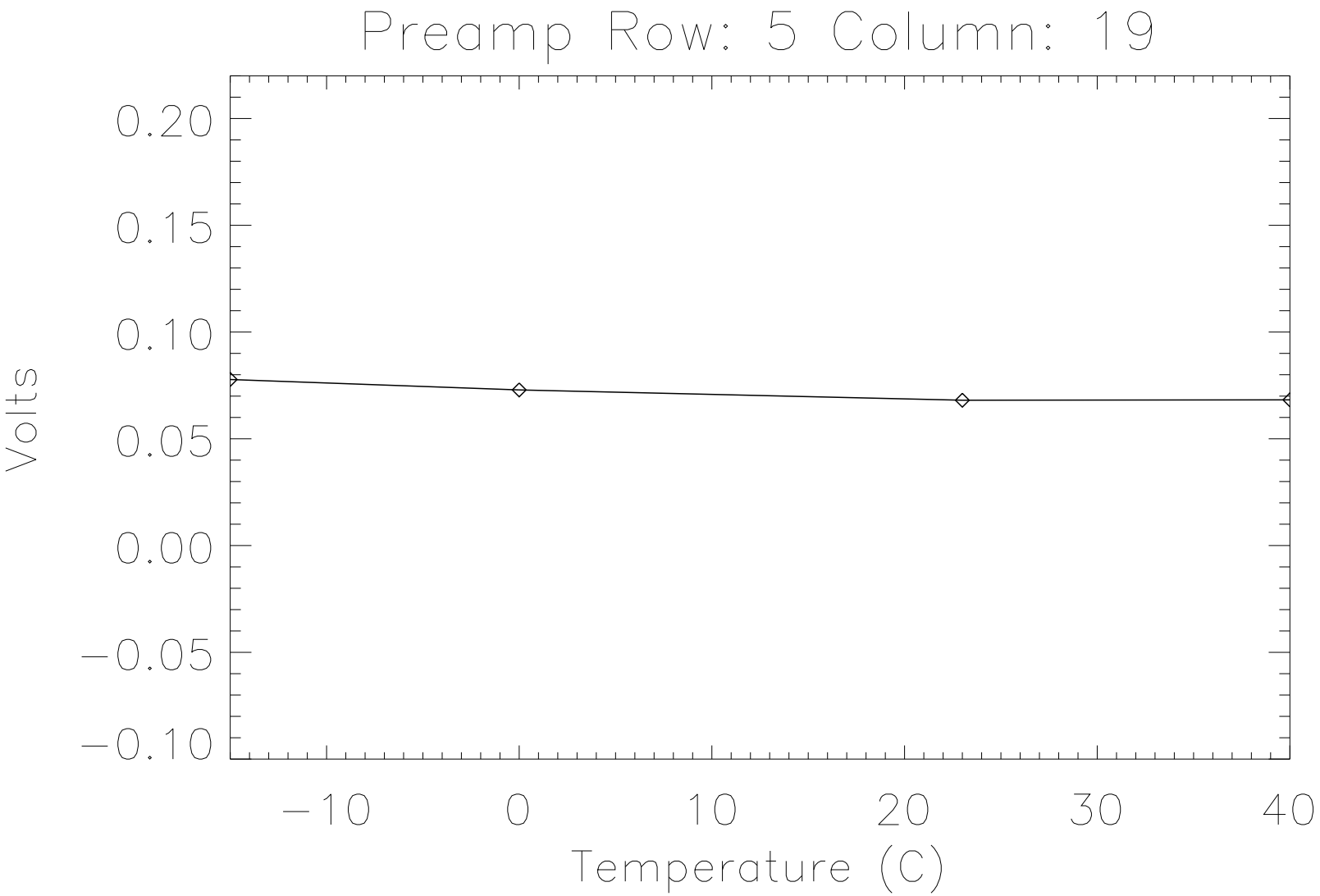

Shaper Row: 5 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

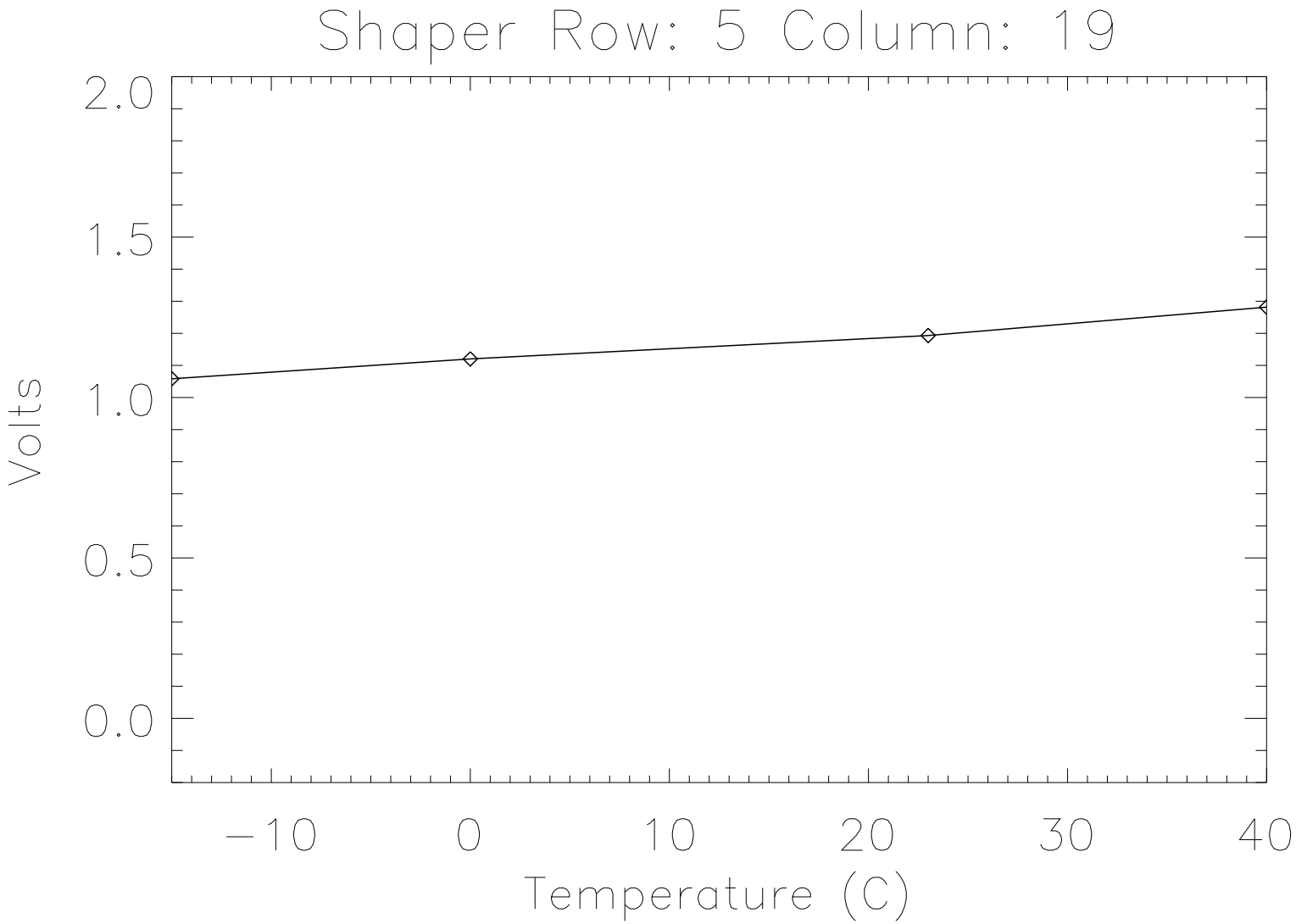

Leakage Row: 5 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

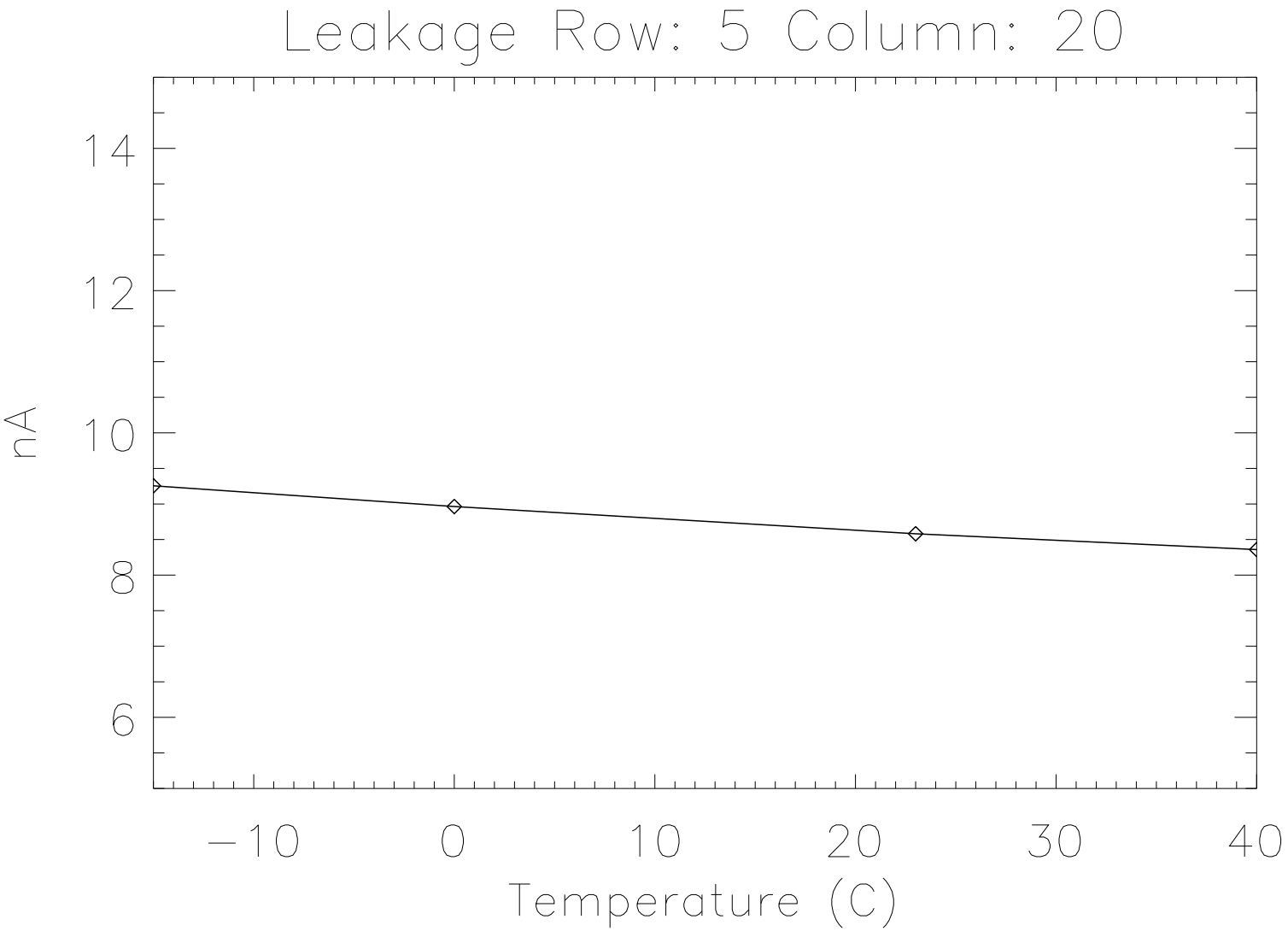

Preamp Row: 5 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

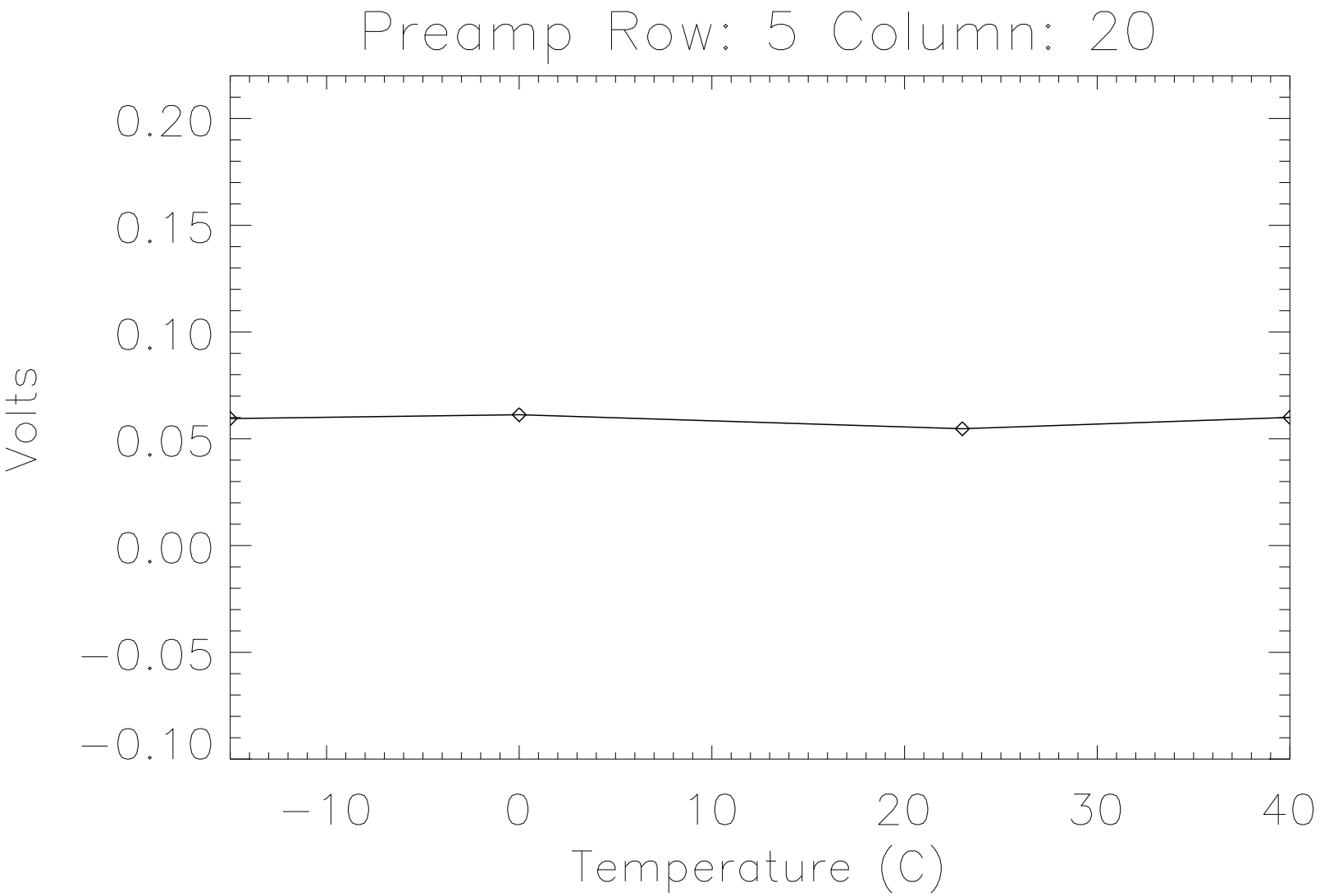

Shaper Row: 5 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

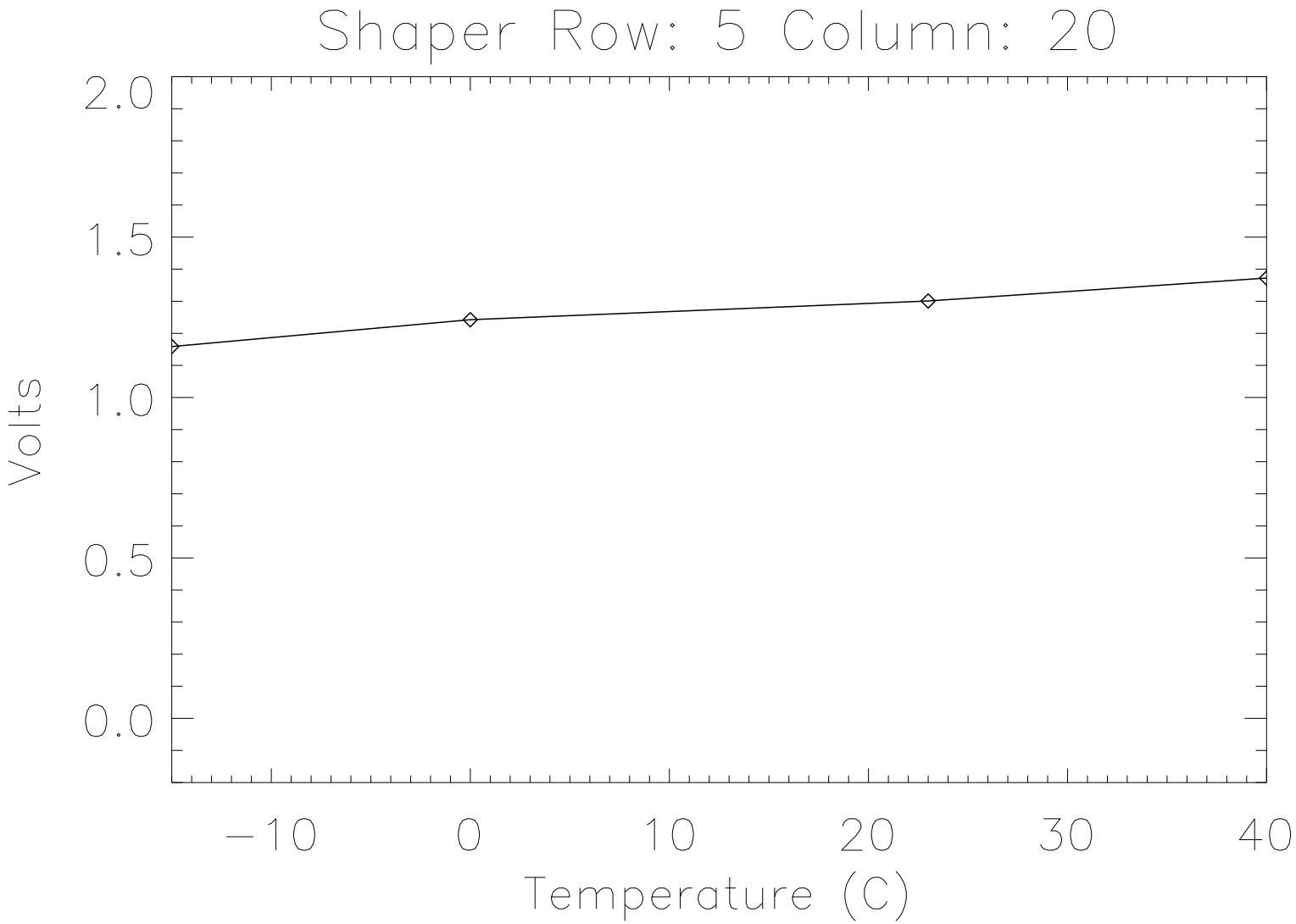

Leakage Row: 5 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 5 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 5 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 5 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 5 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 5 Column: 20
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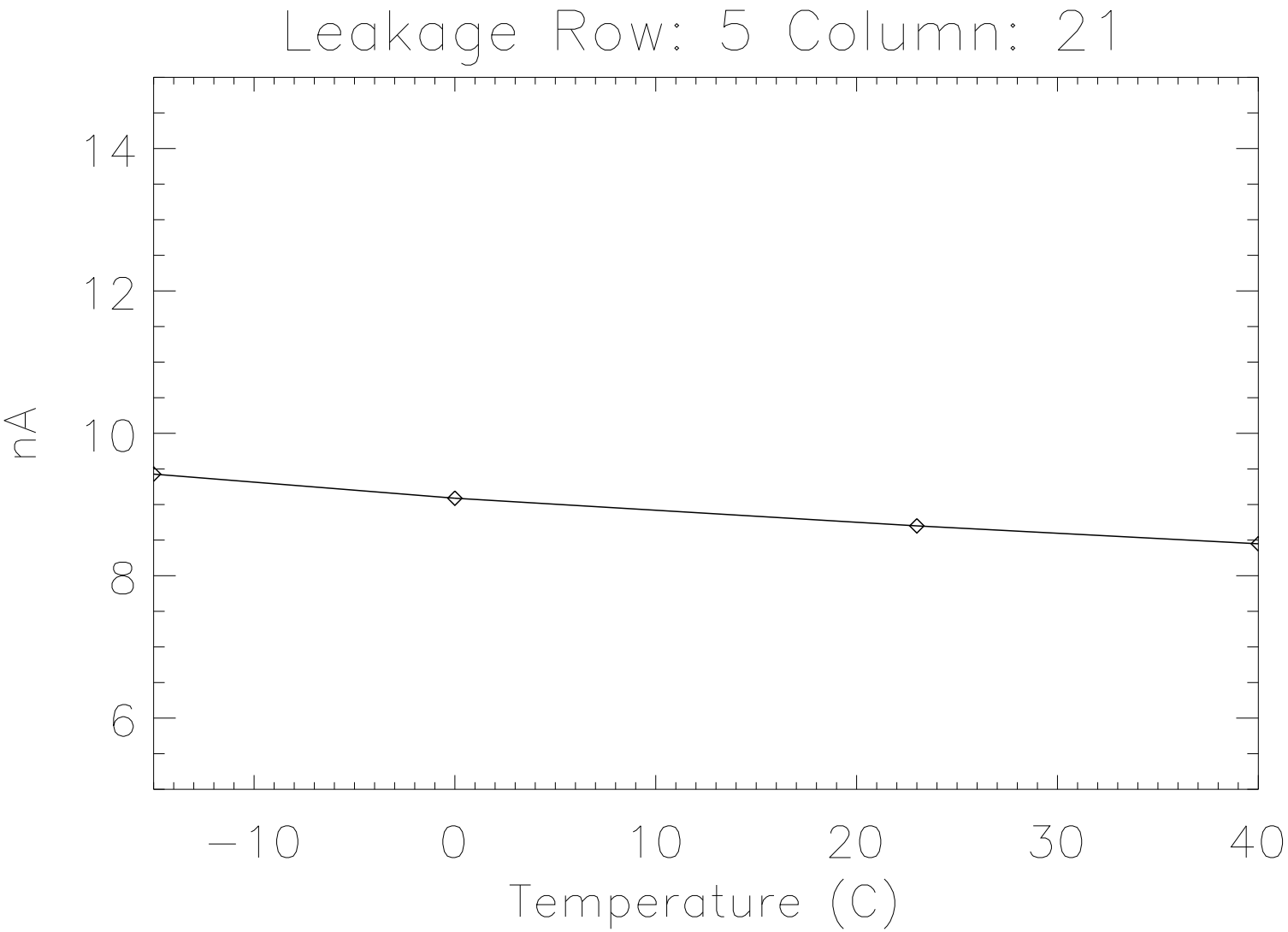
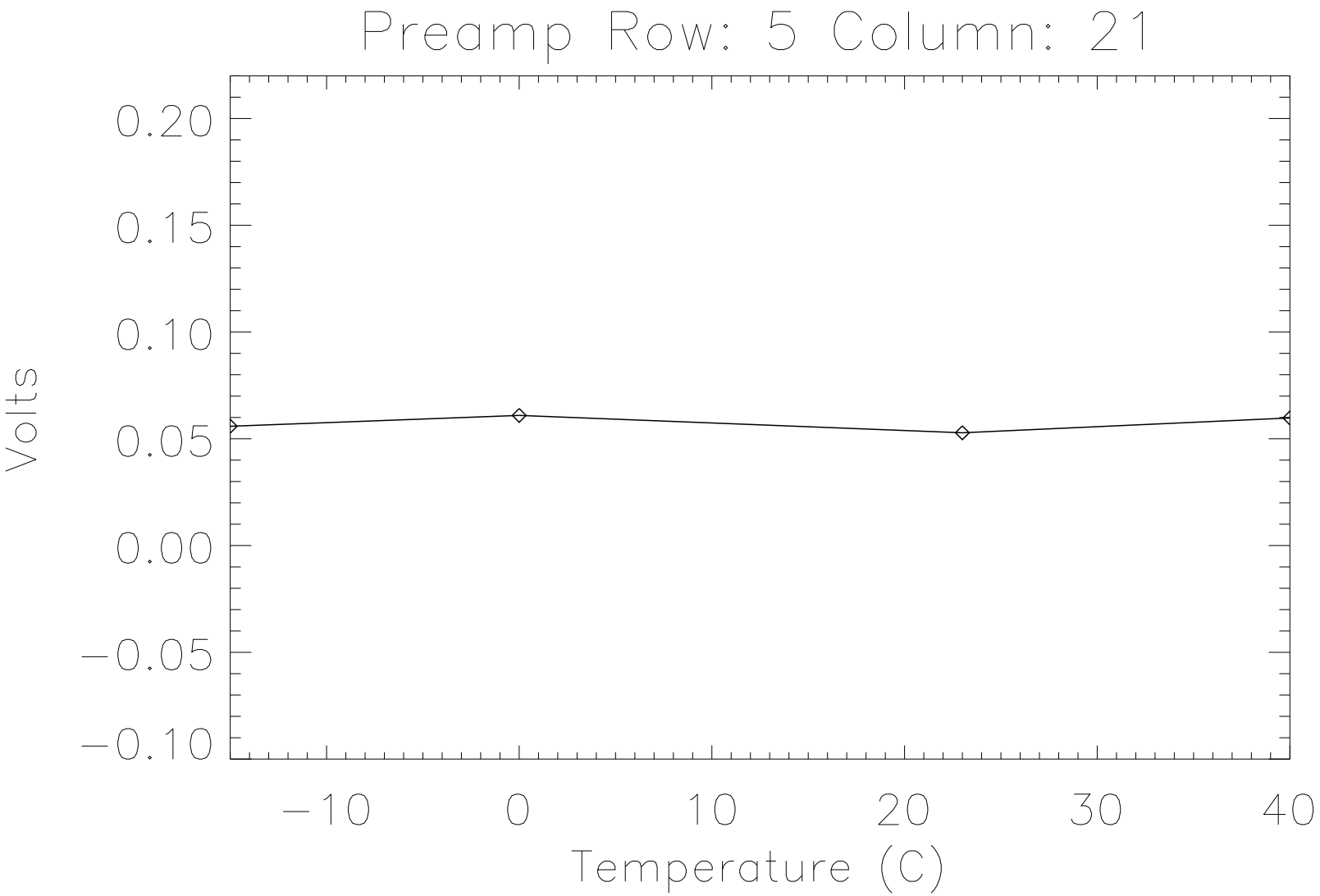
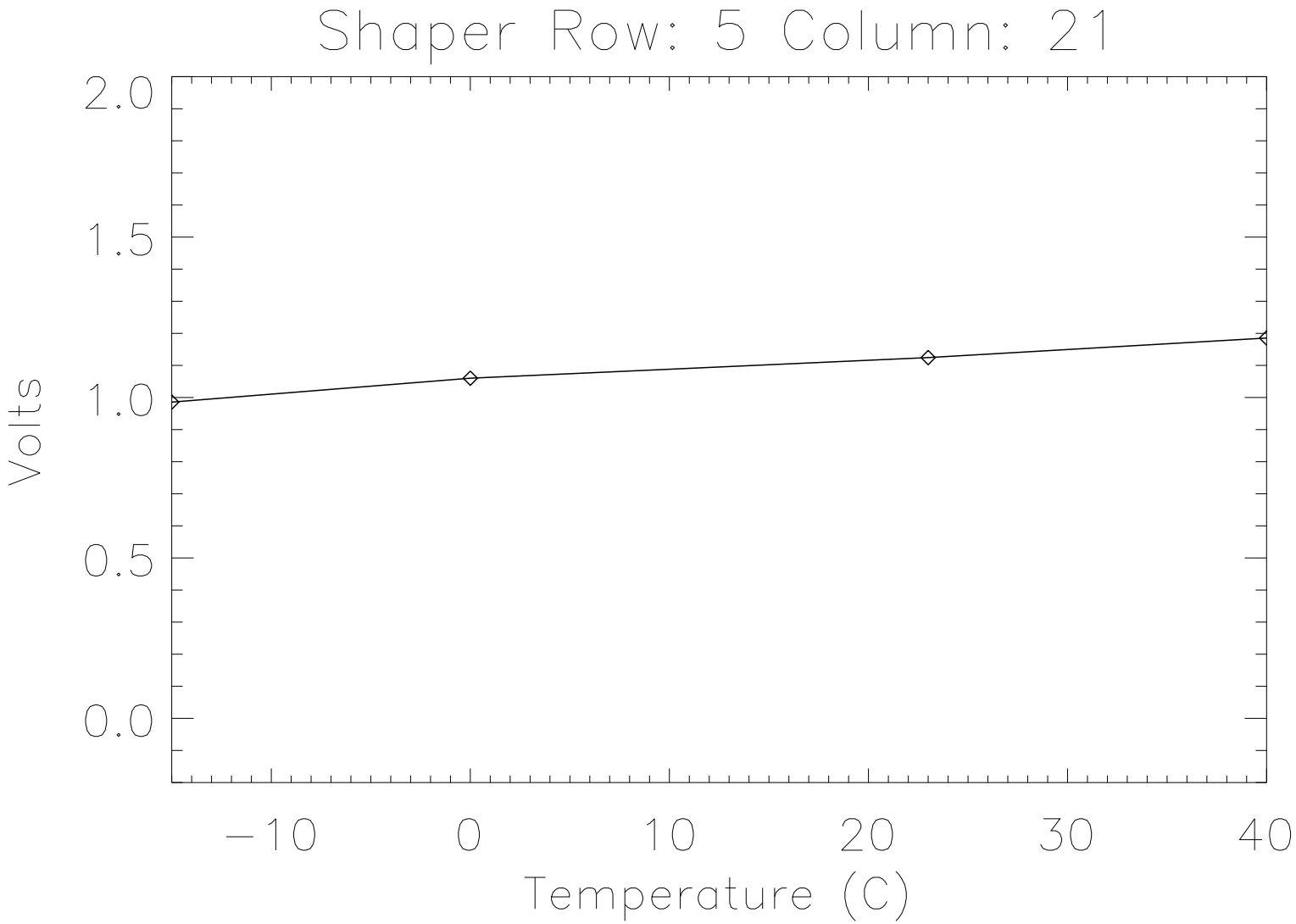
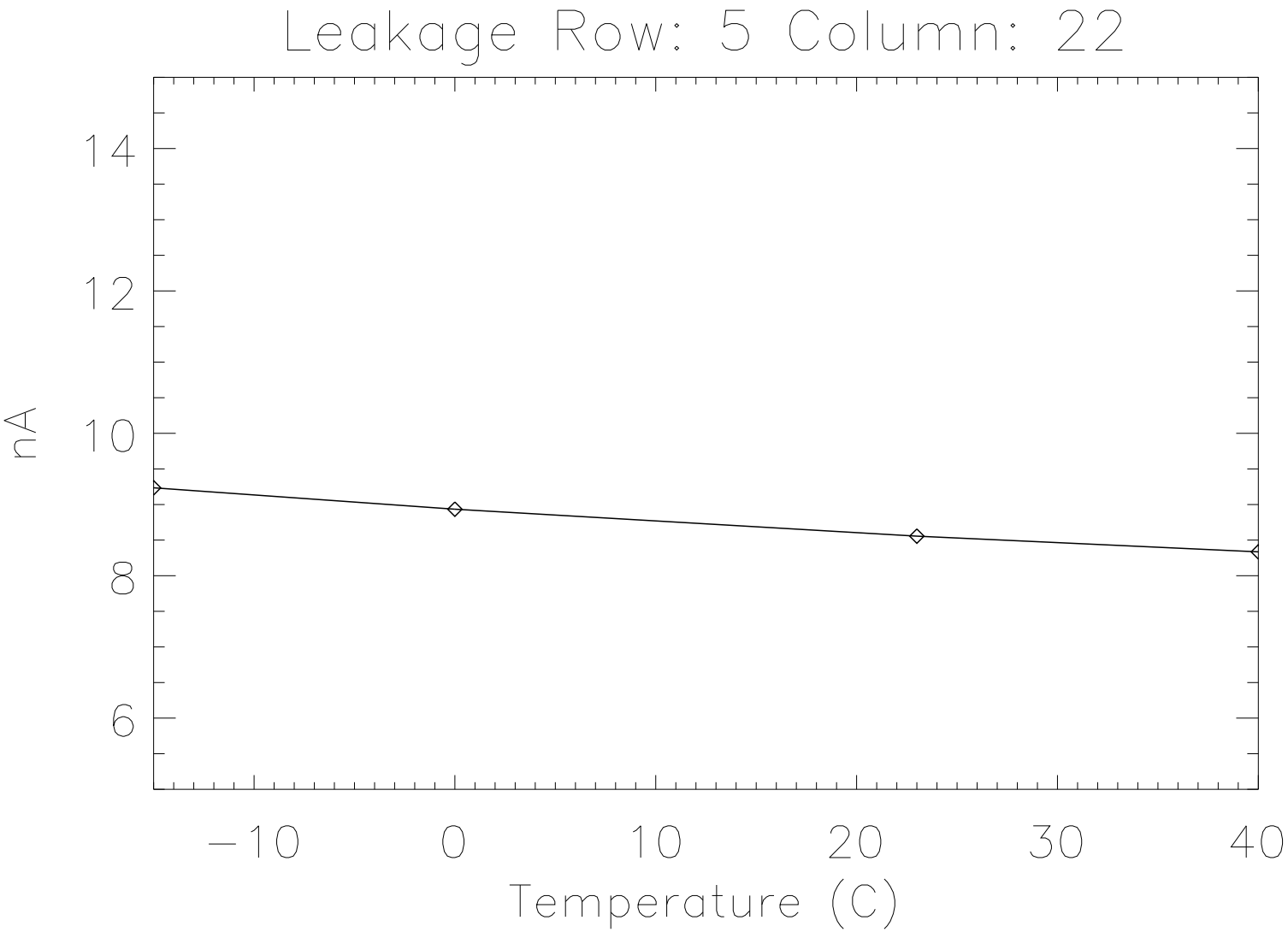
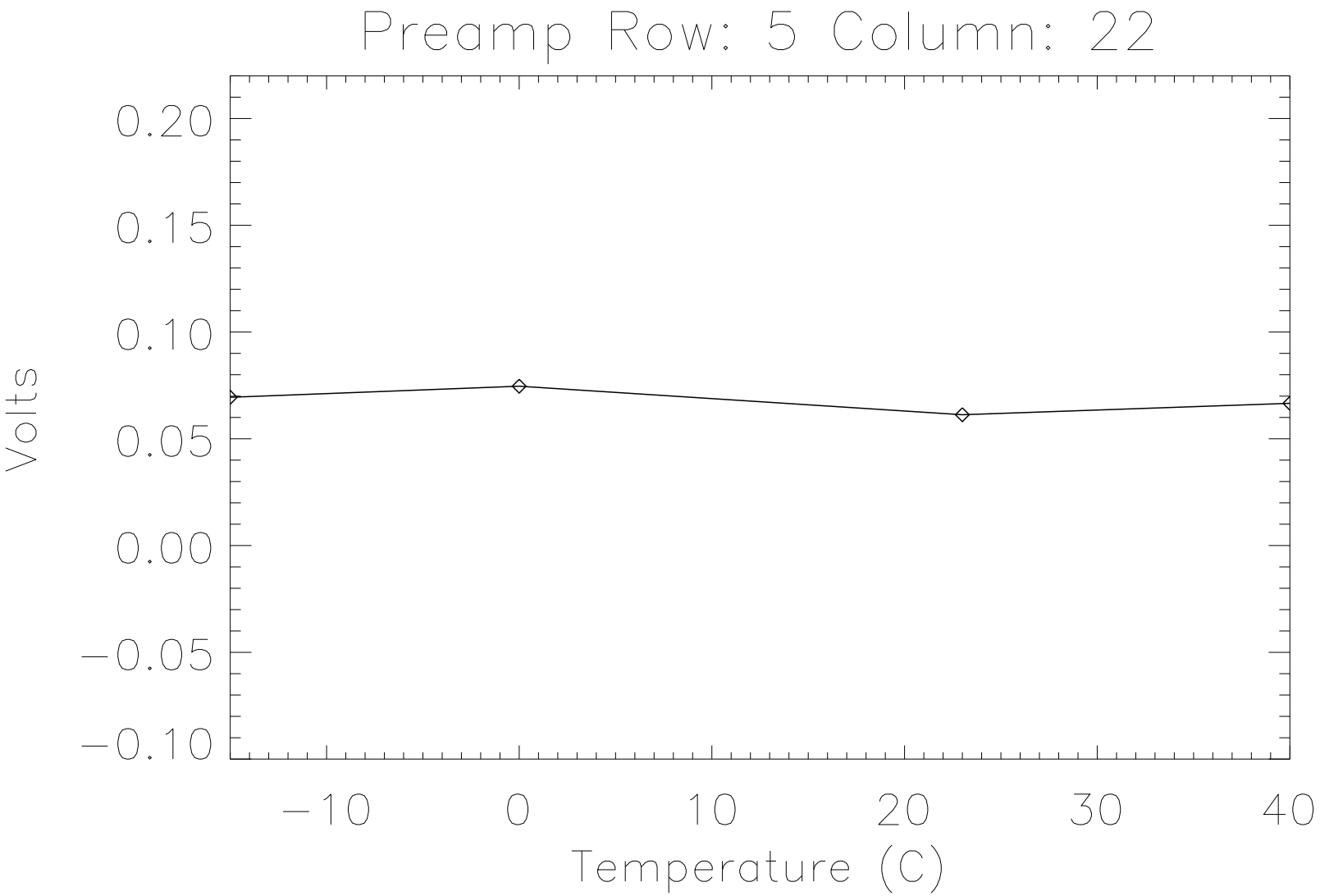
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 5 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 5 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 5 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 5 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 5 Column: 22
0.20
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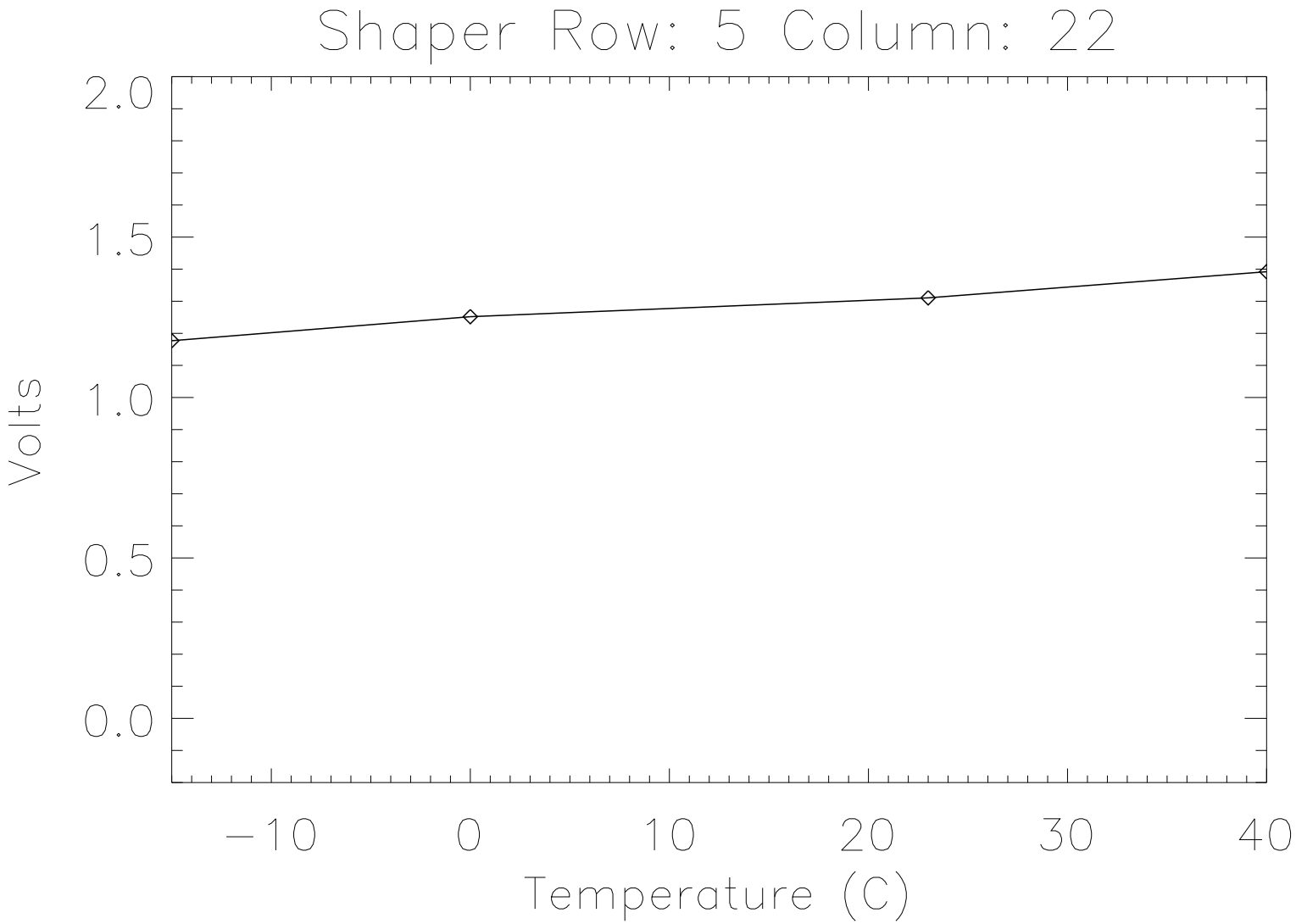
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 5 Column: 22
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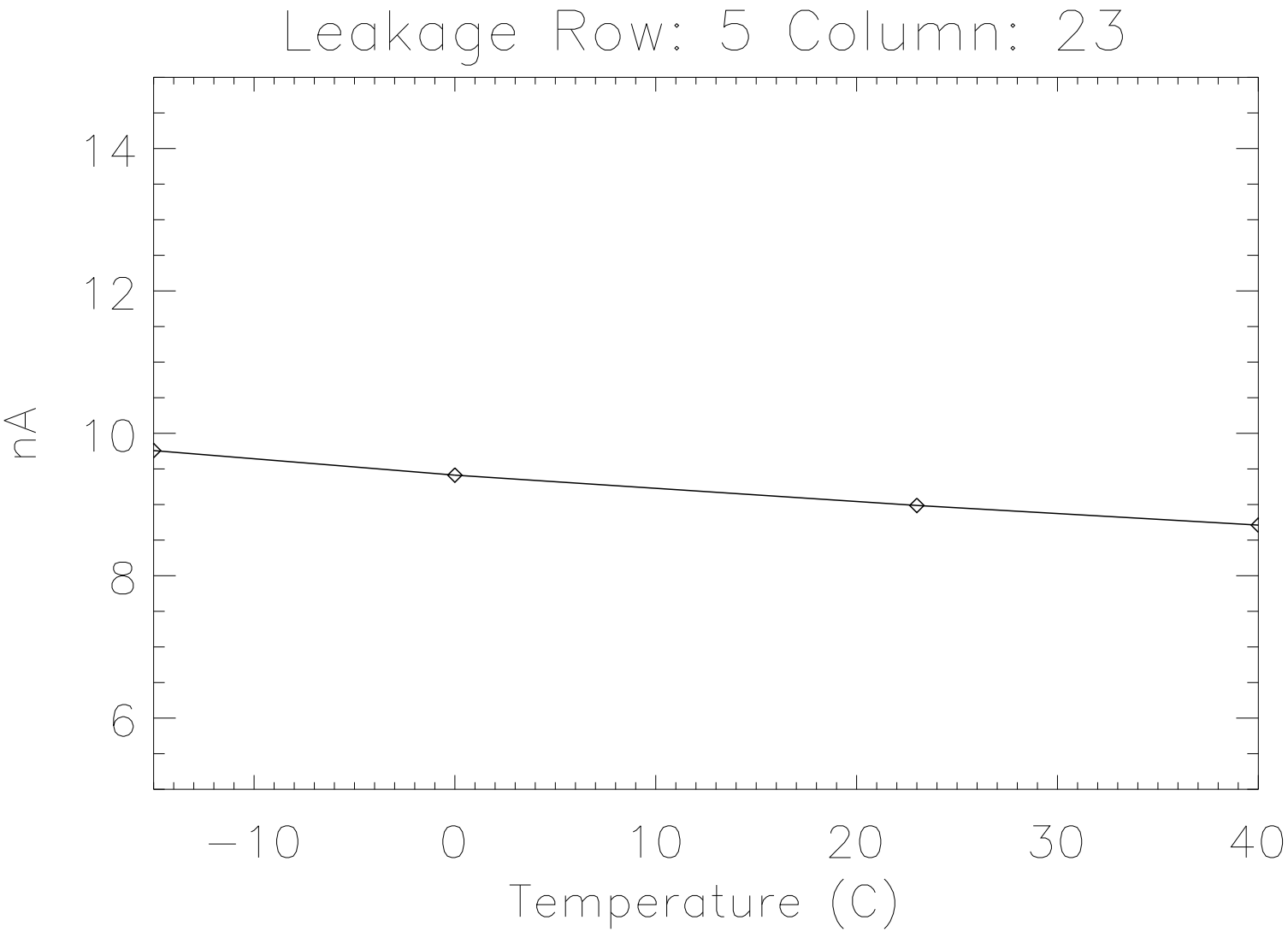
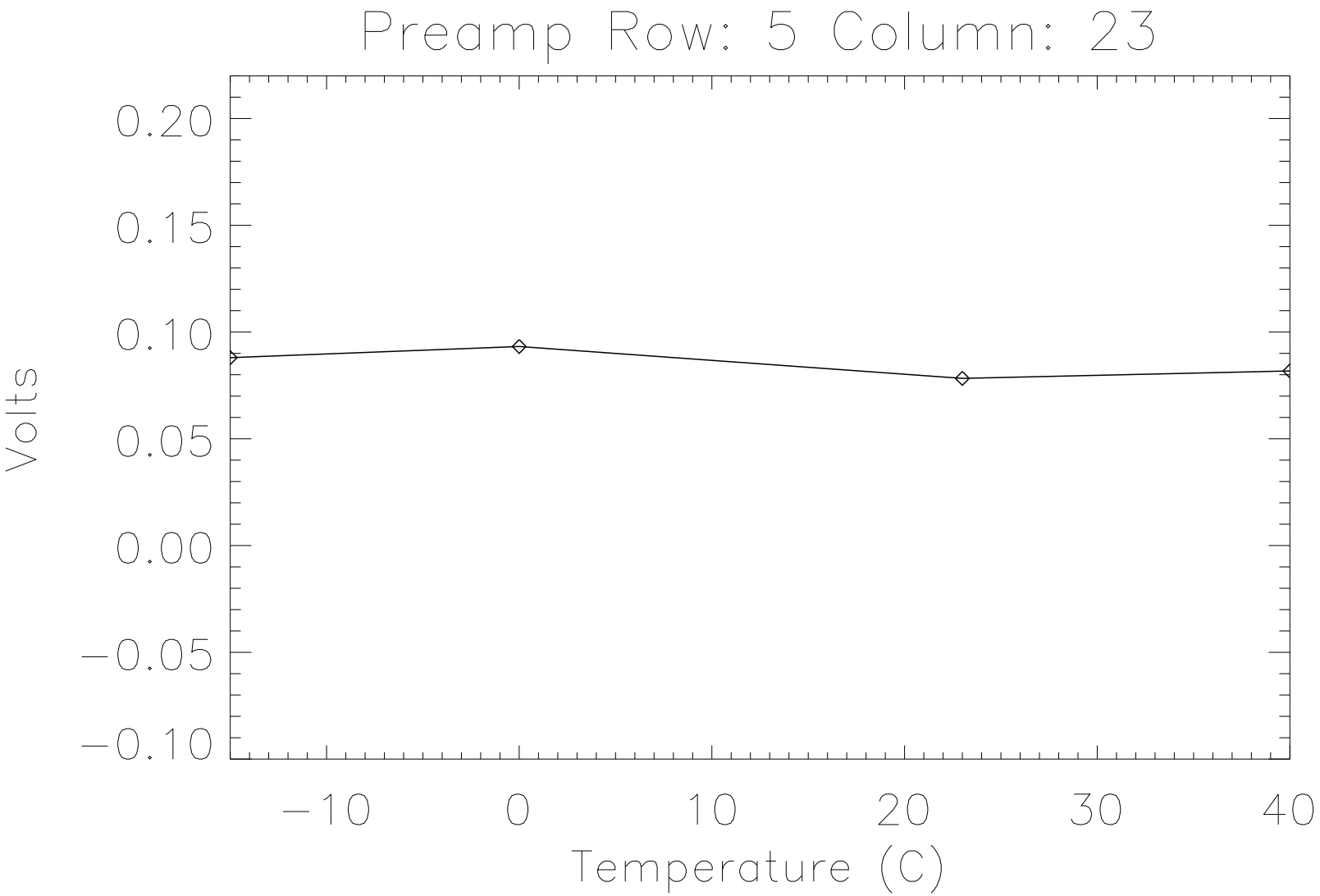
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 5 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 5 Column: 23
0.20
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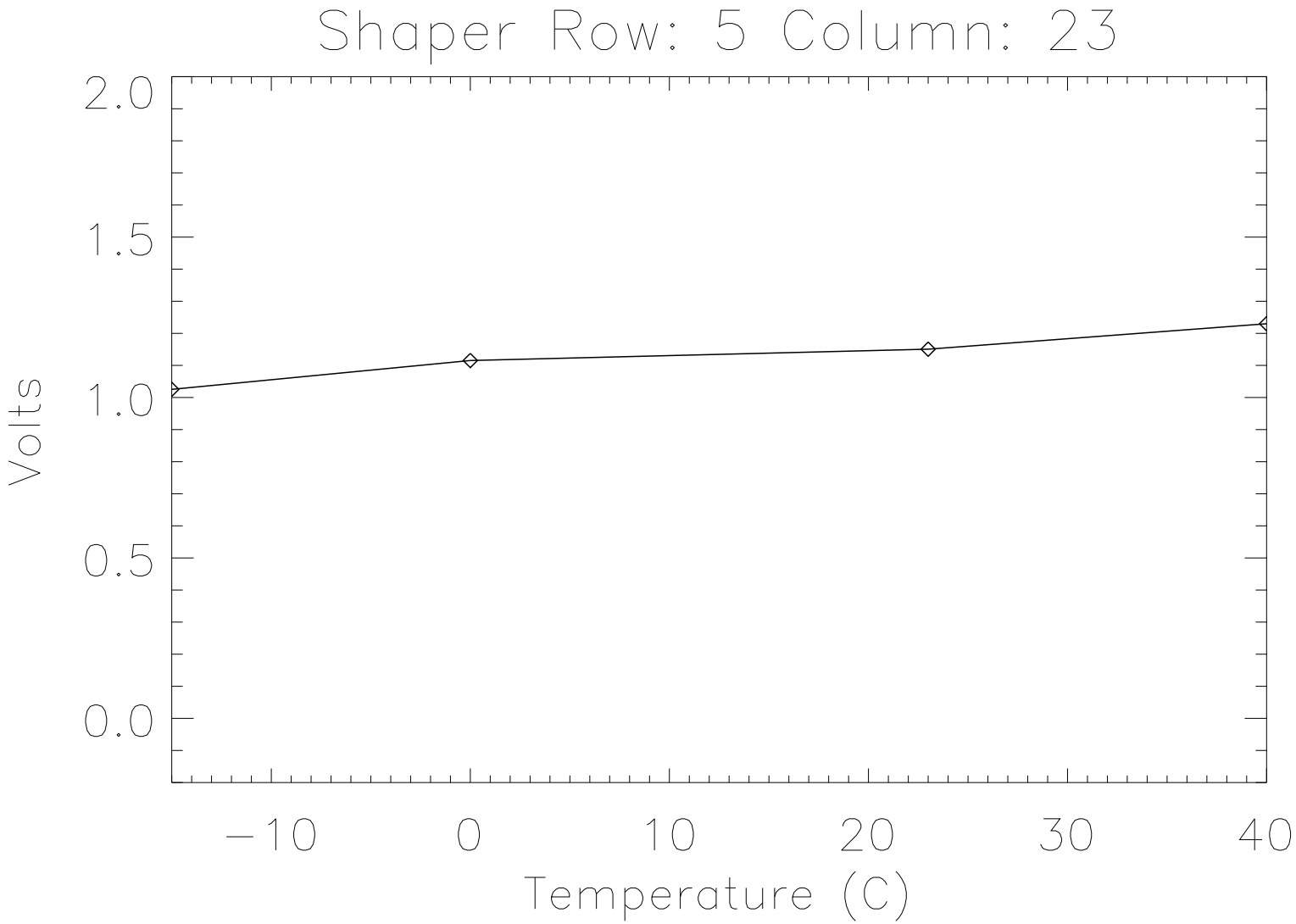
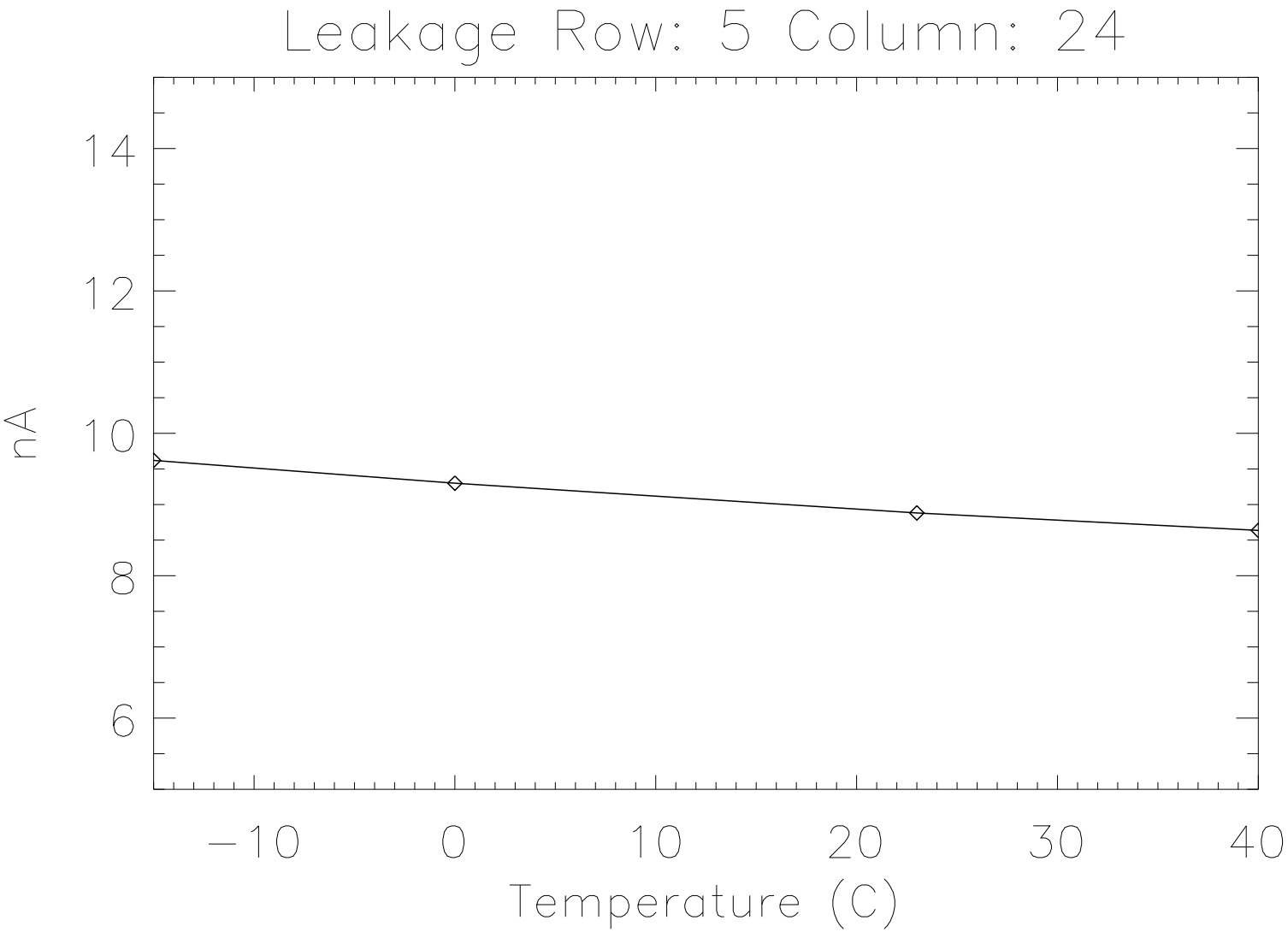
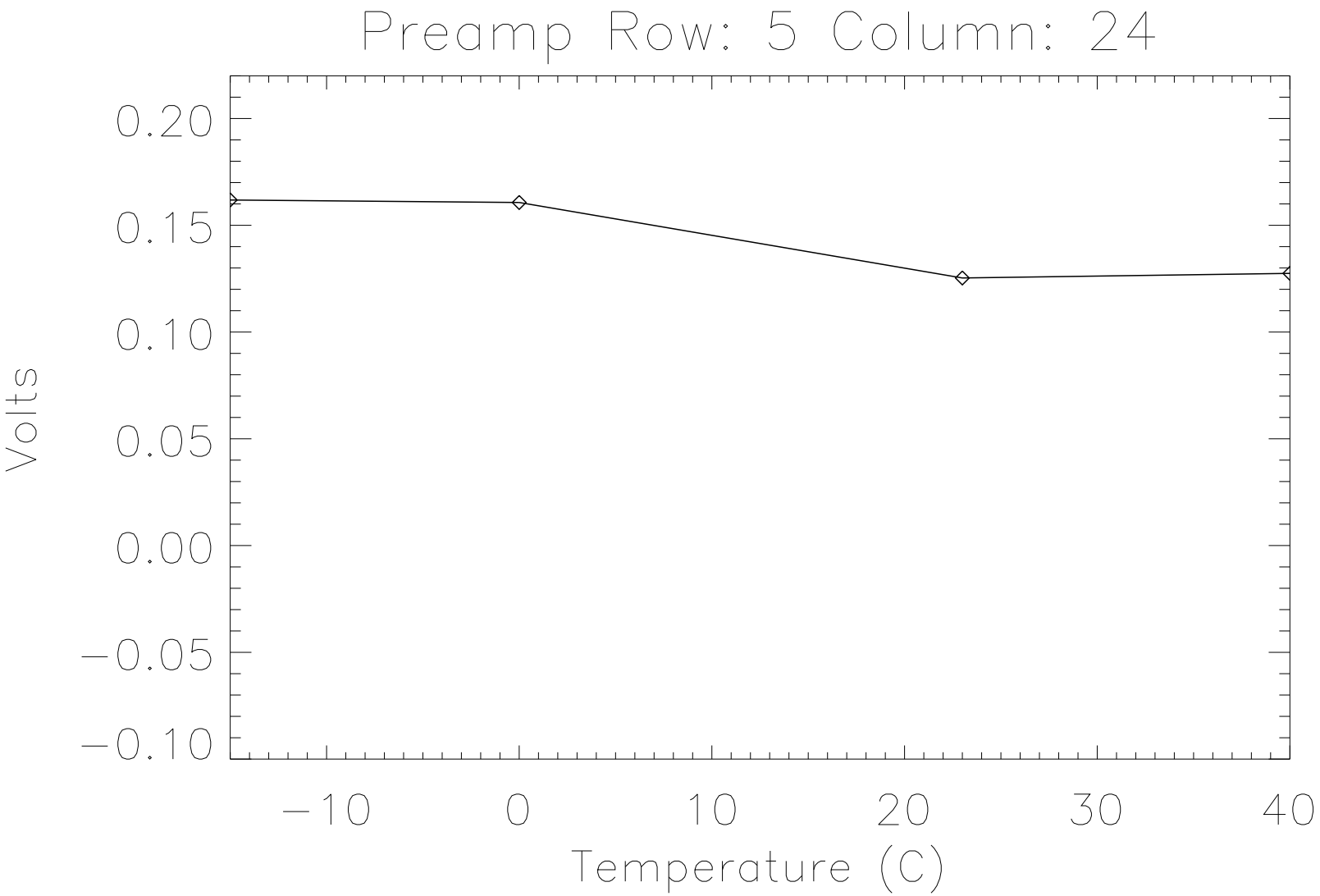
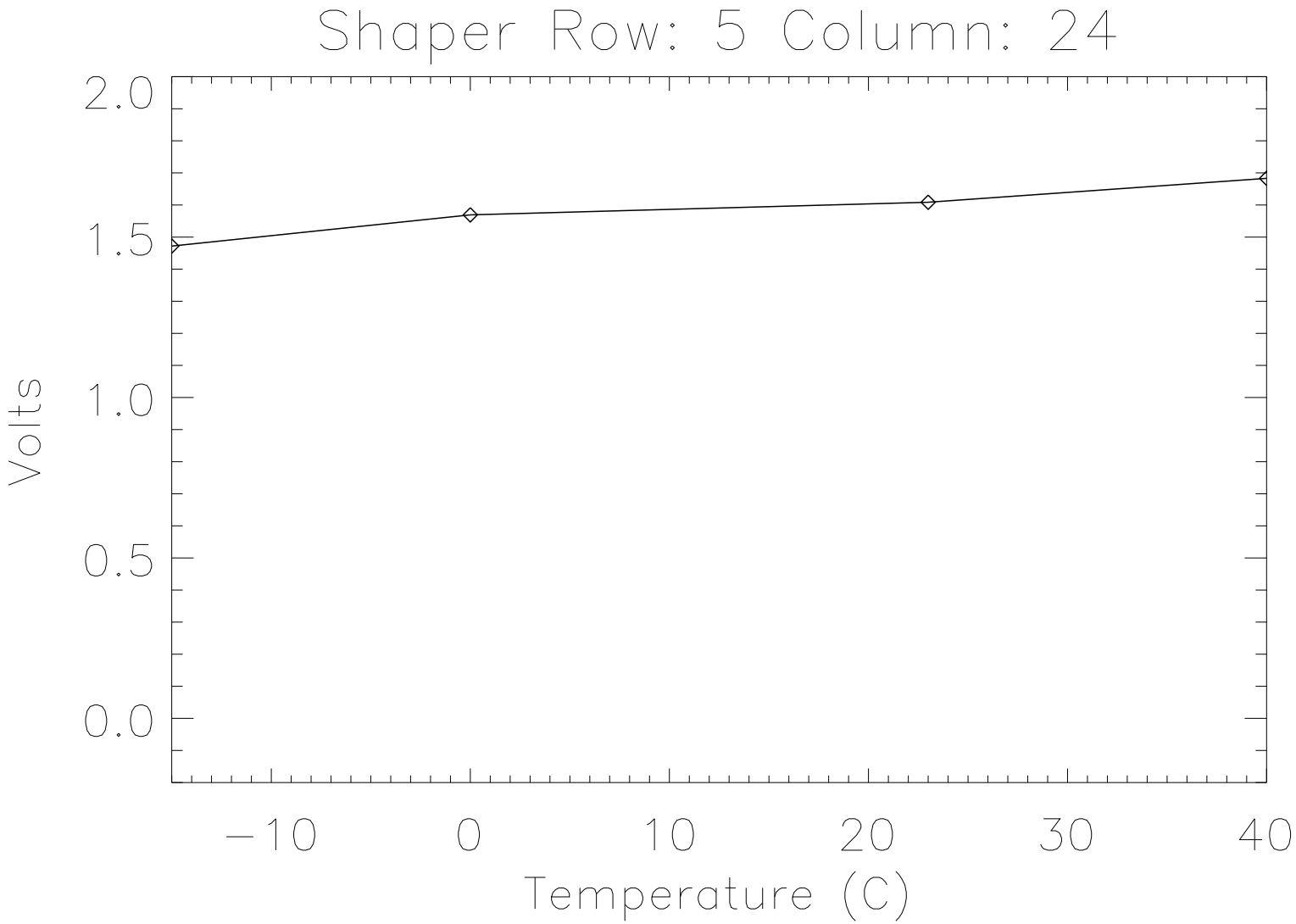
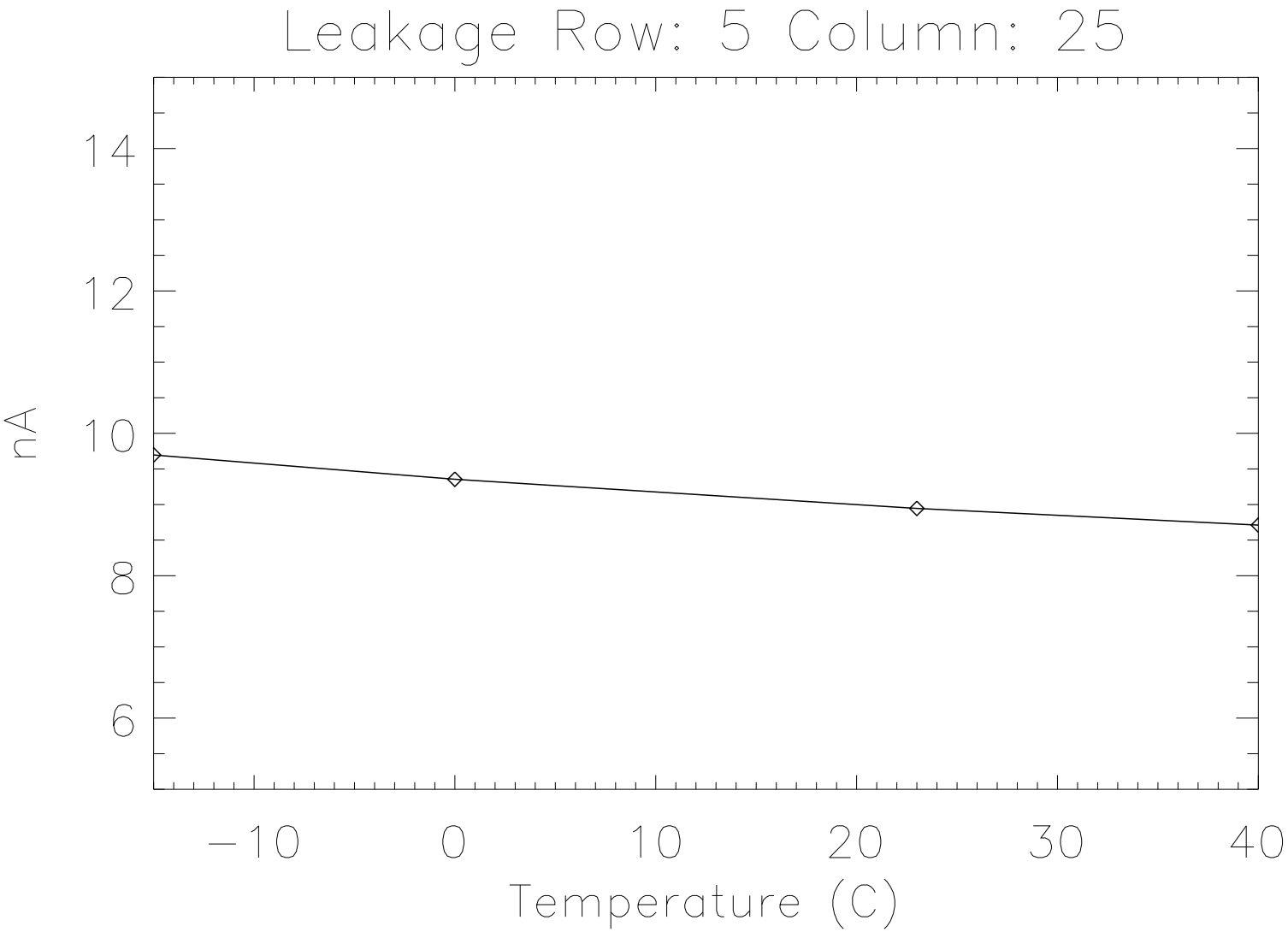
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

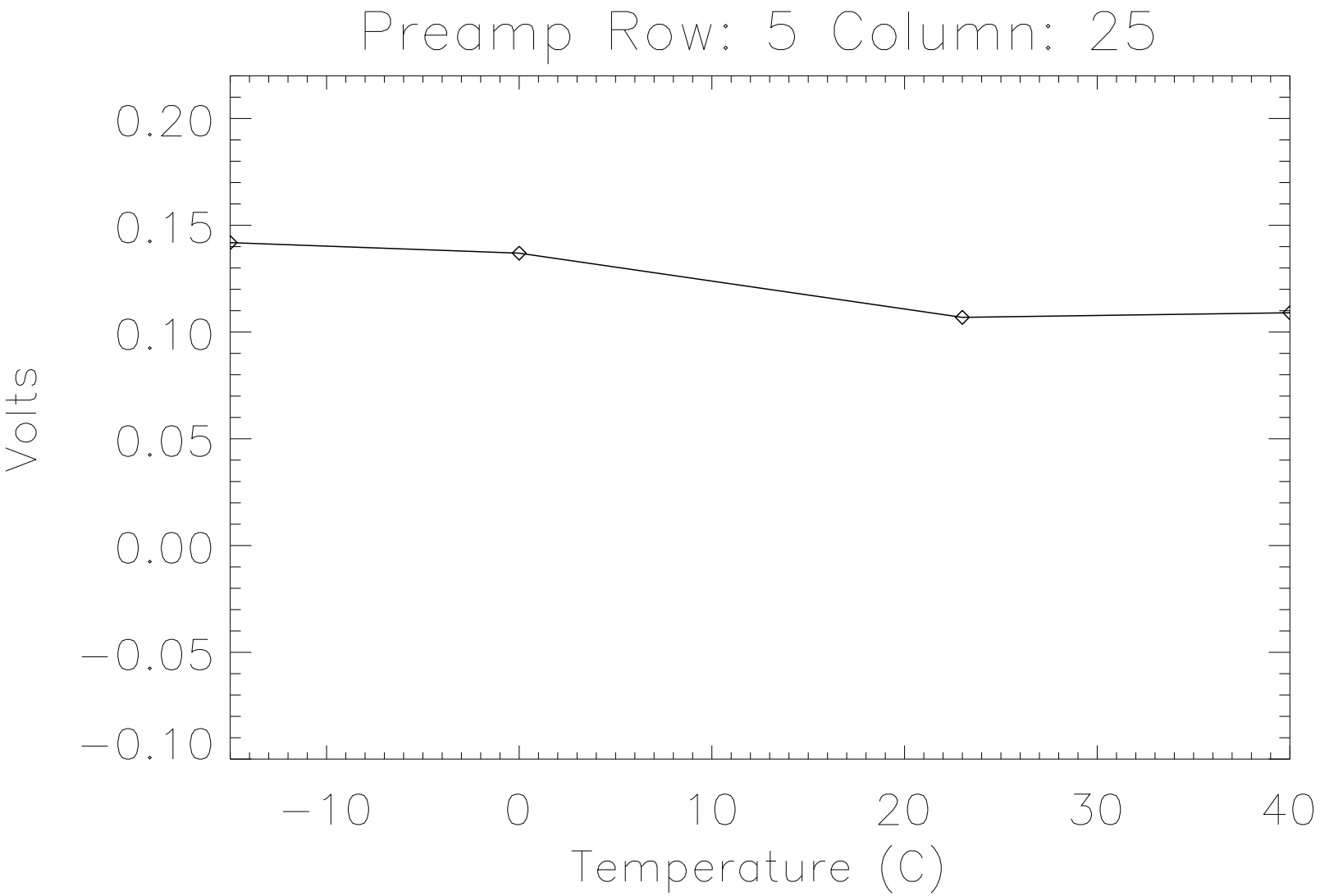

Shaper Row: 5 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

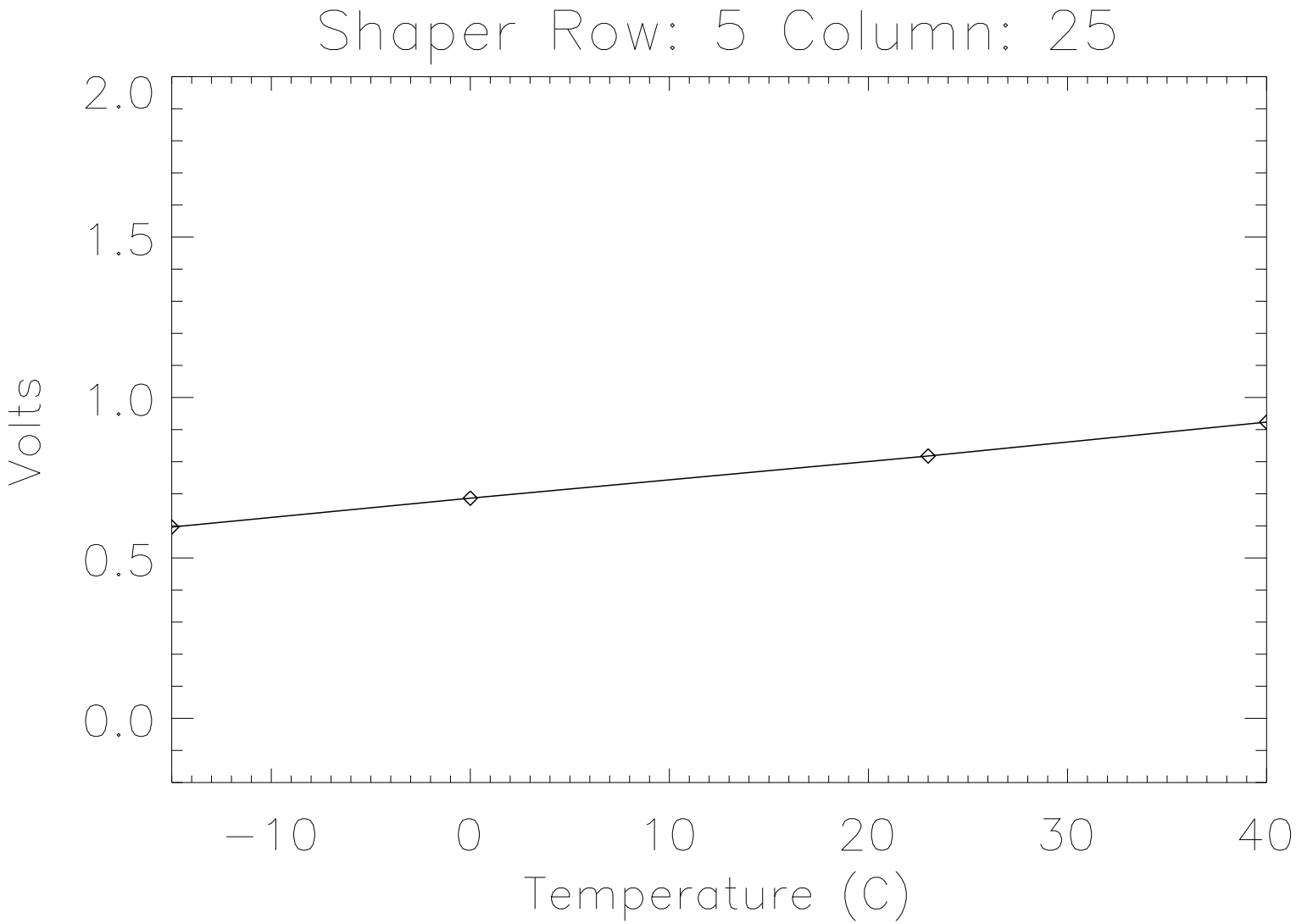

Leakage Row: 5 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

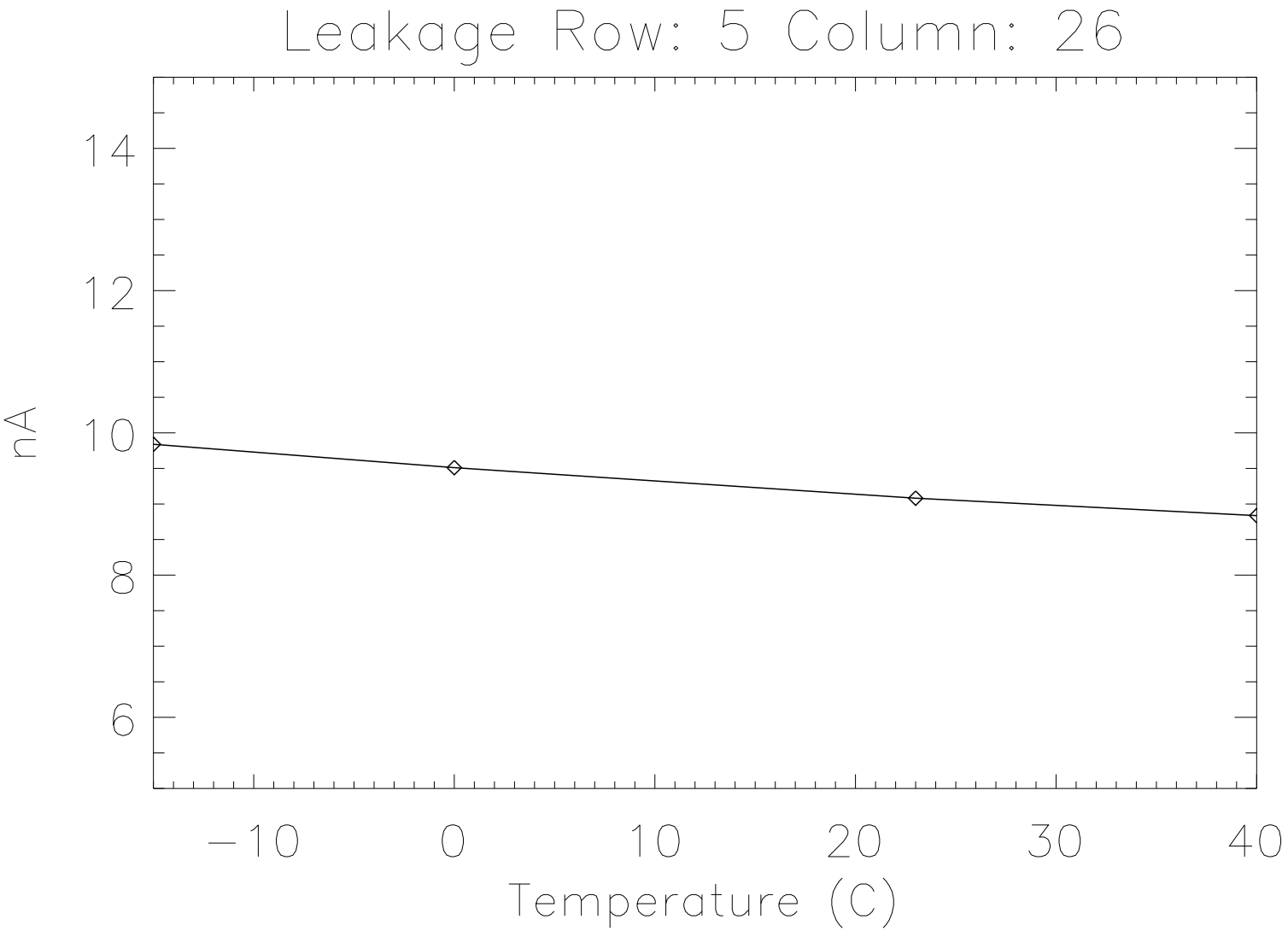

Preamp Row: 5 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

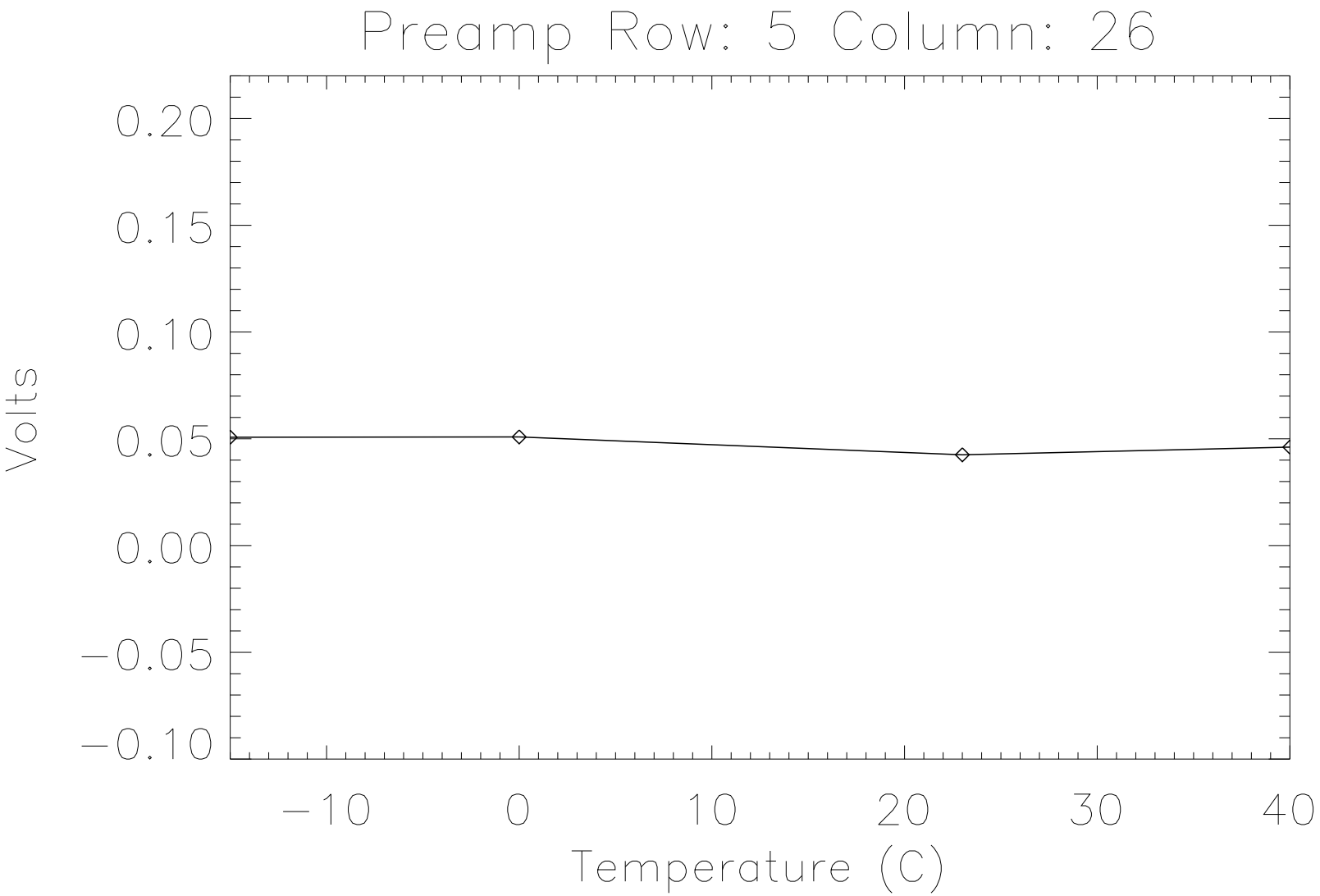

Shaper Row: 5 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

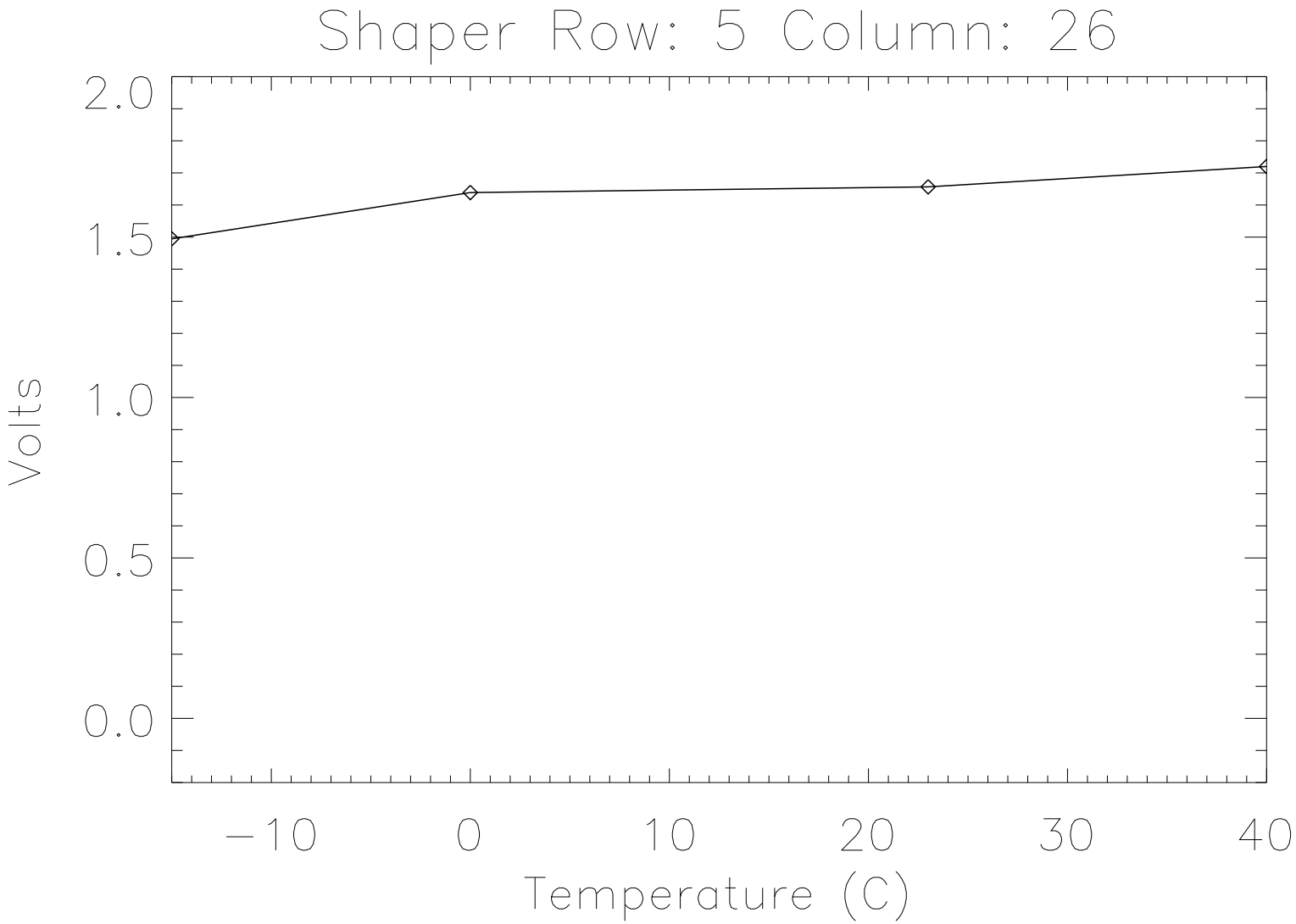

Leakage Row: 5 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

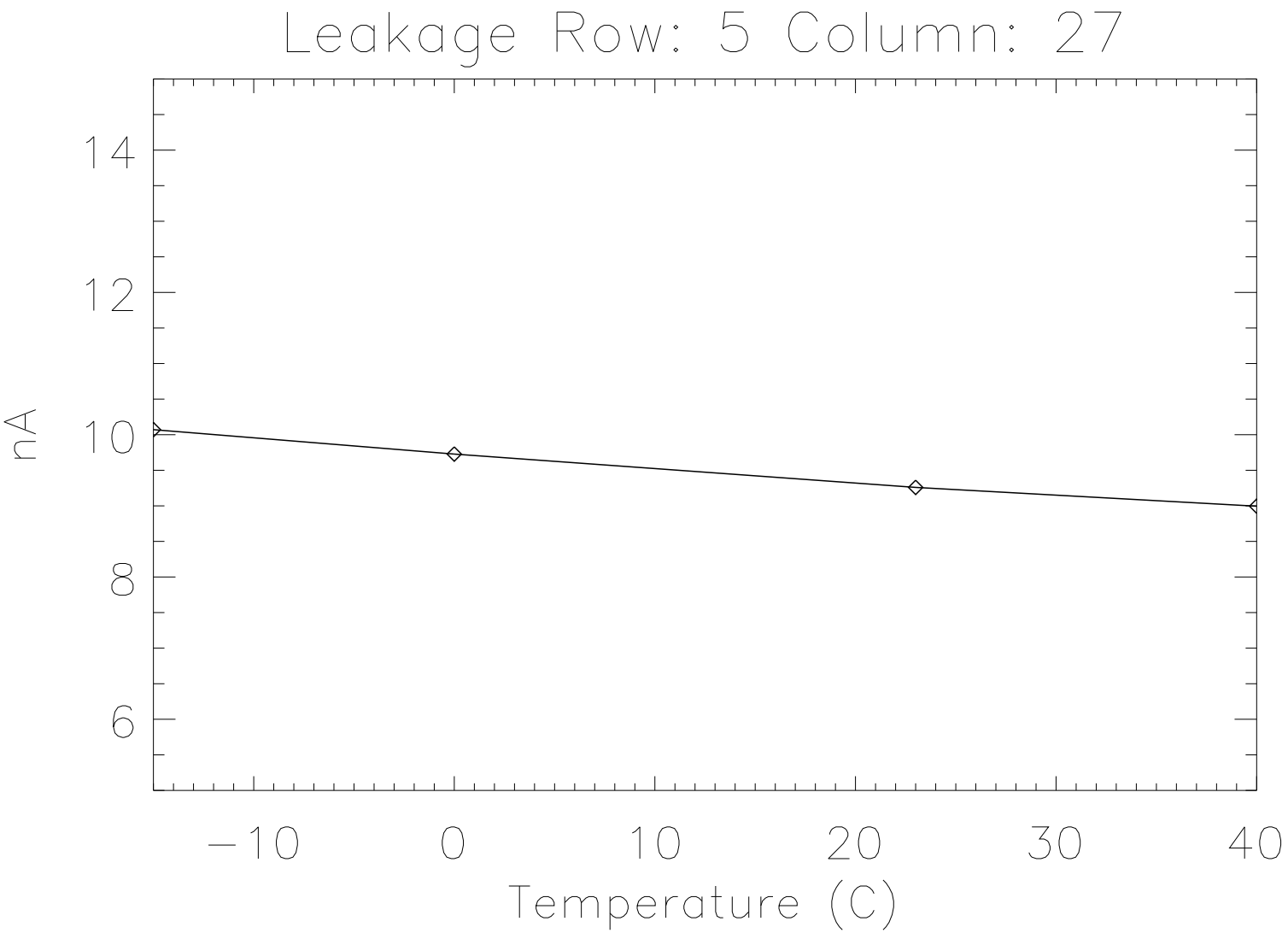

Preamp Row: 5 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

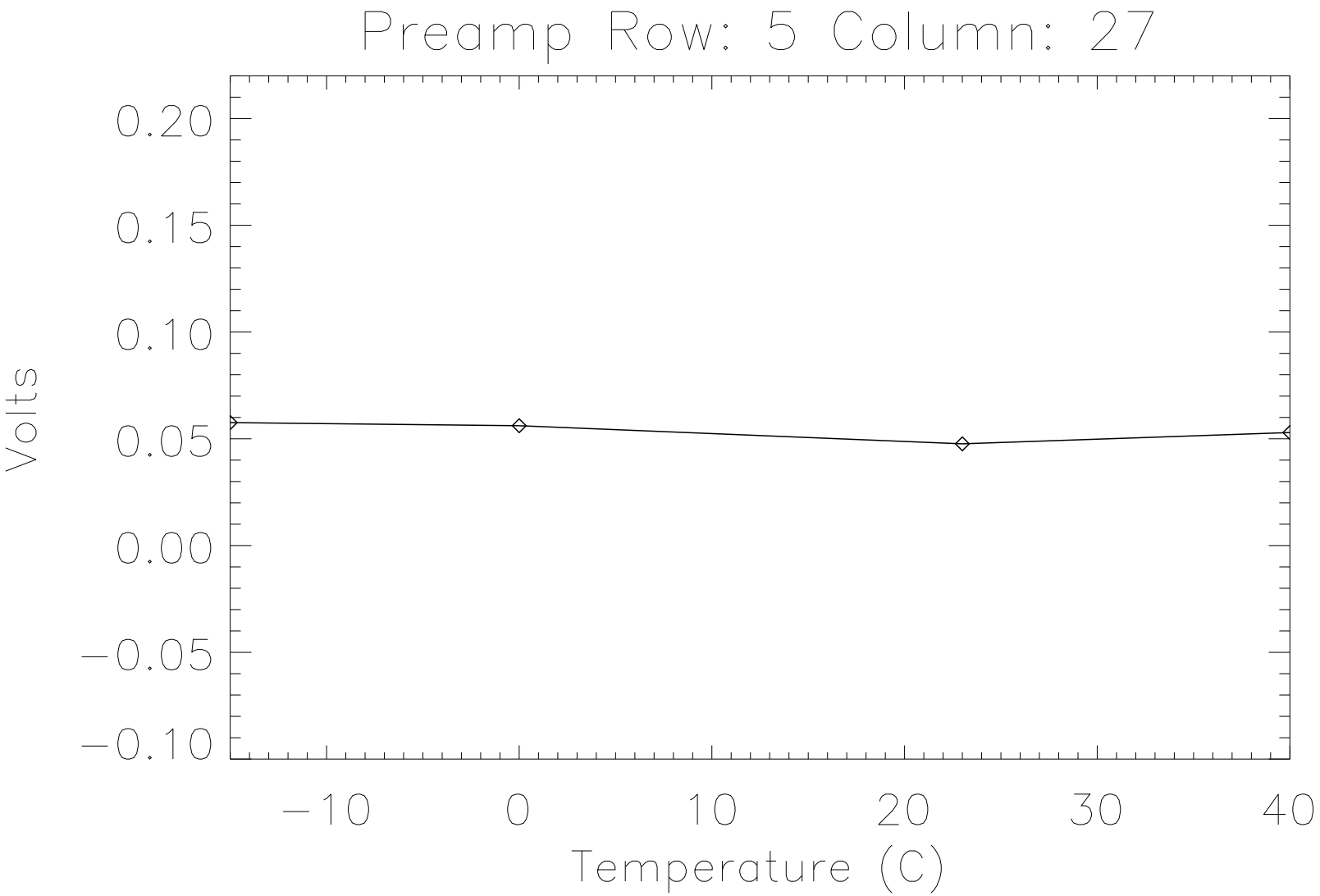

Shaper Row: 5 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

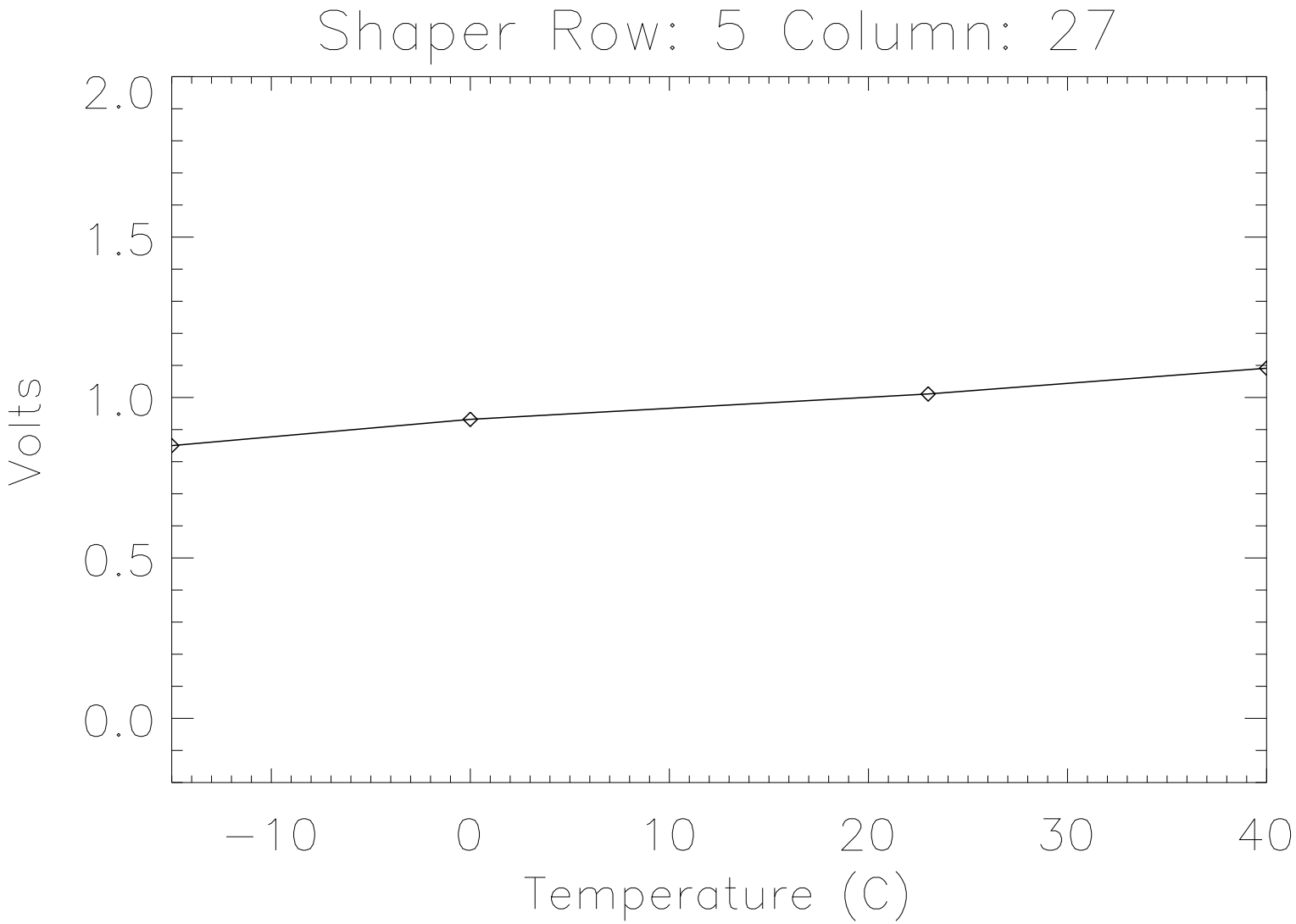

Leakage Row: 5 Column: 26
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

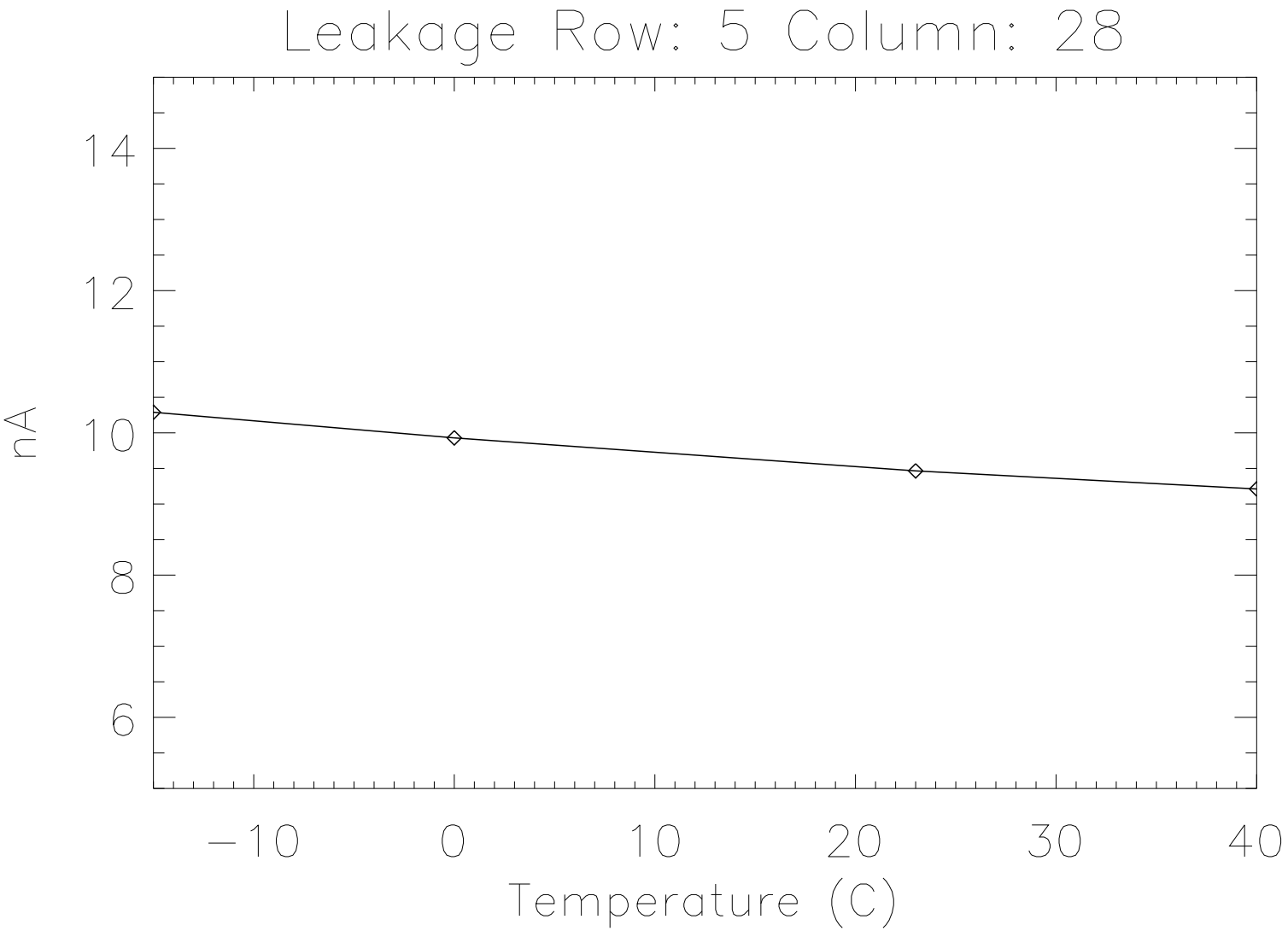

Preamp Row: 5 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

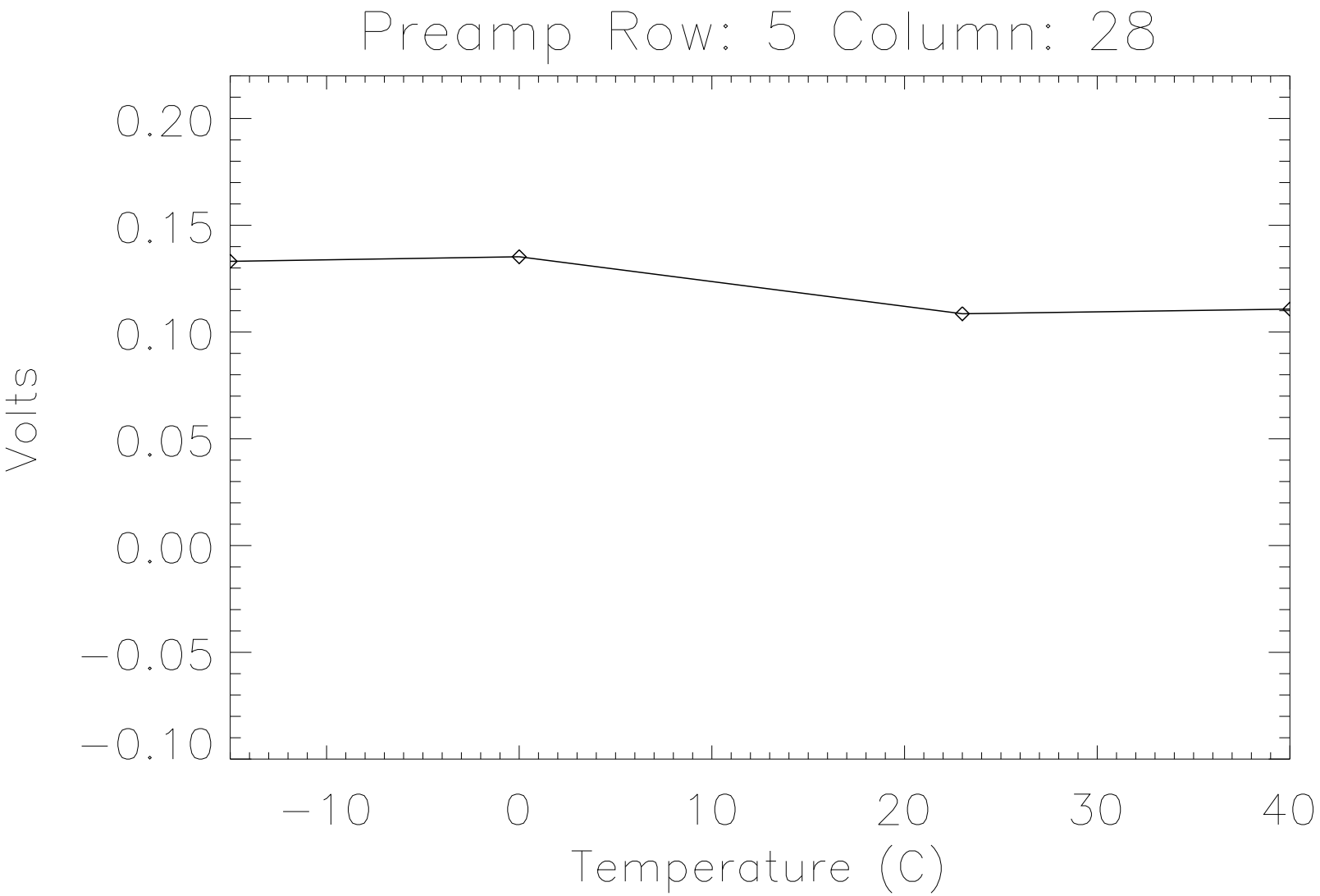

Shaper Row: 5 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

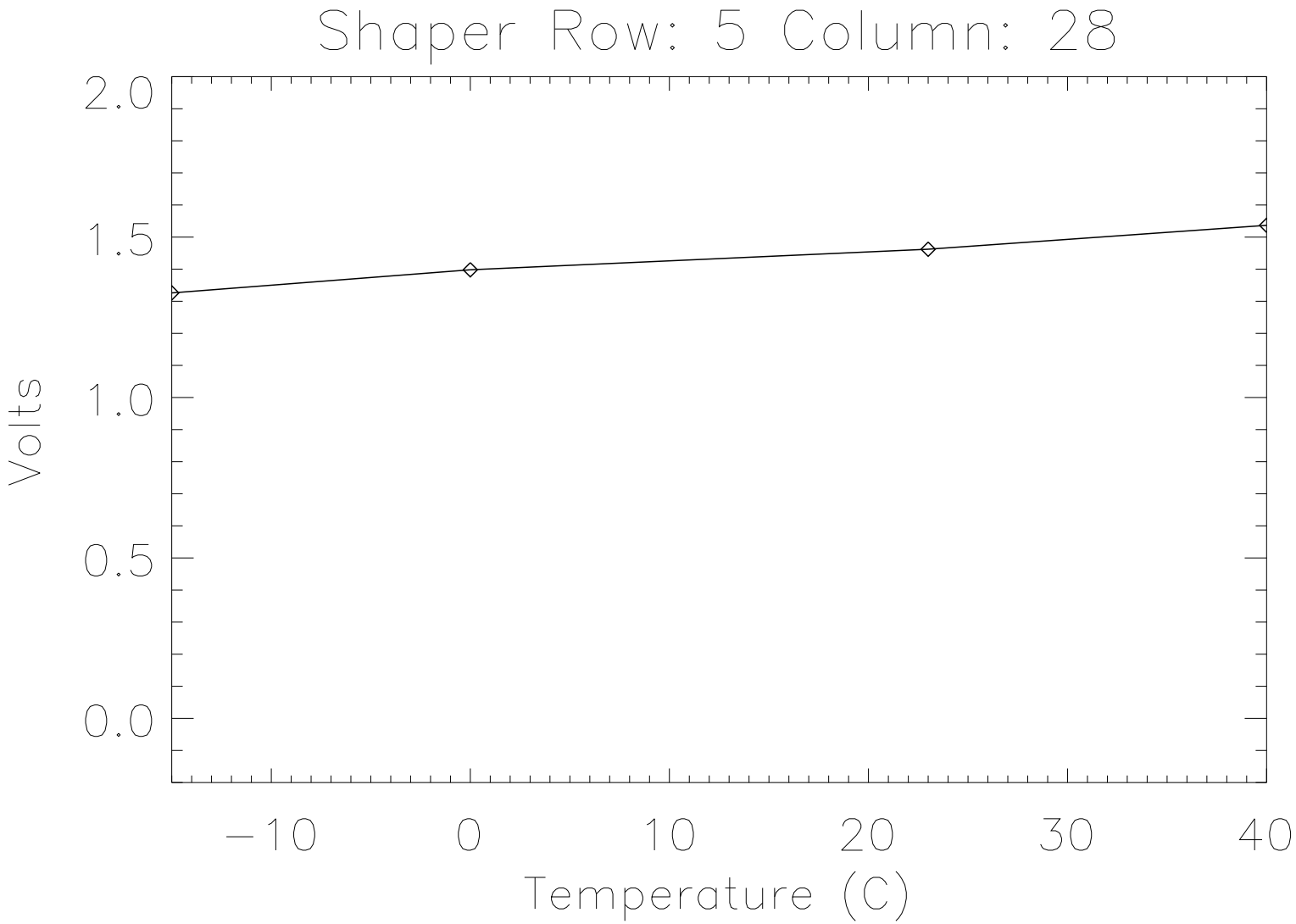

Leakage Row: 5 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

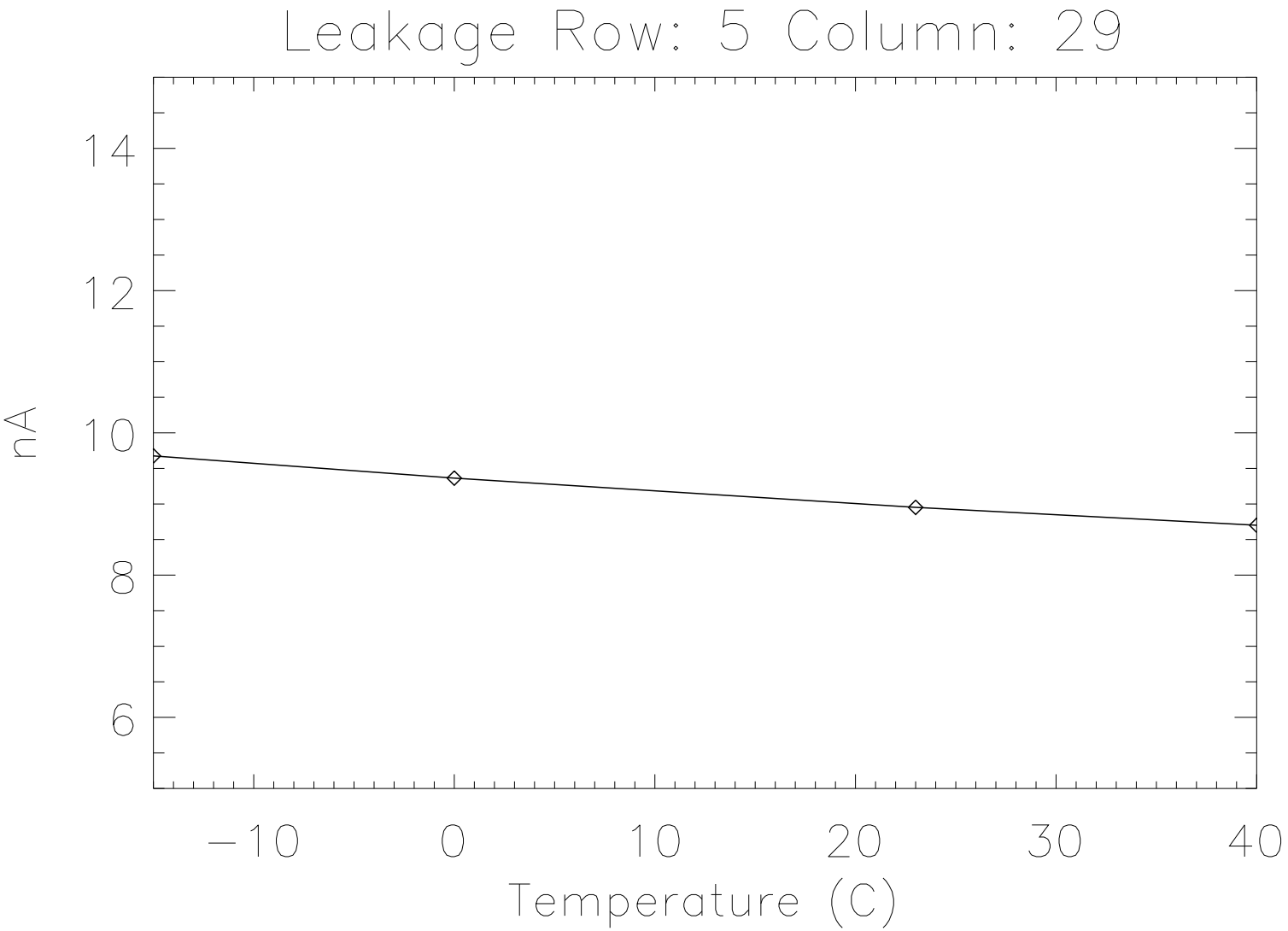

Preamp Row: 5 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

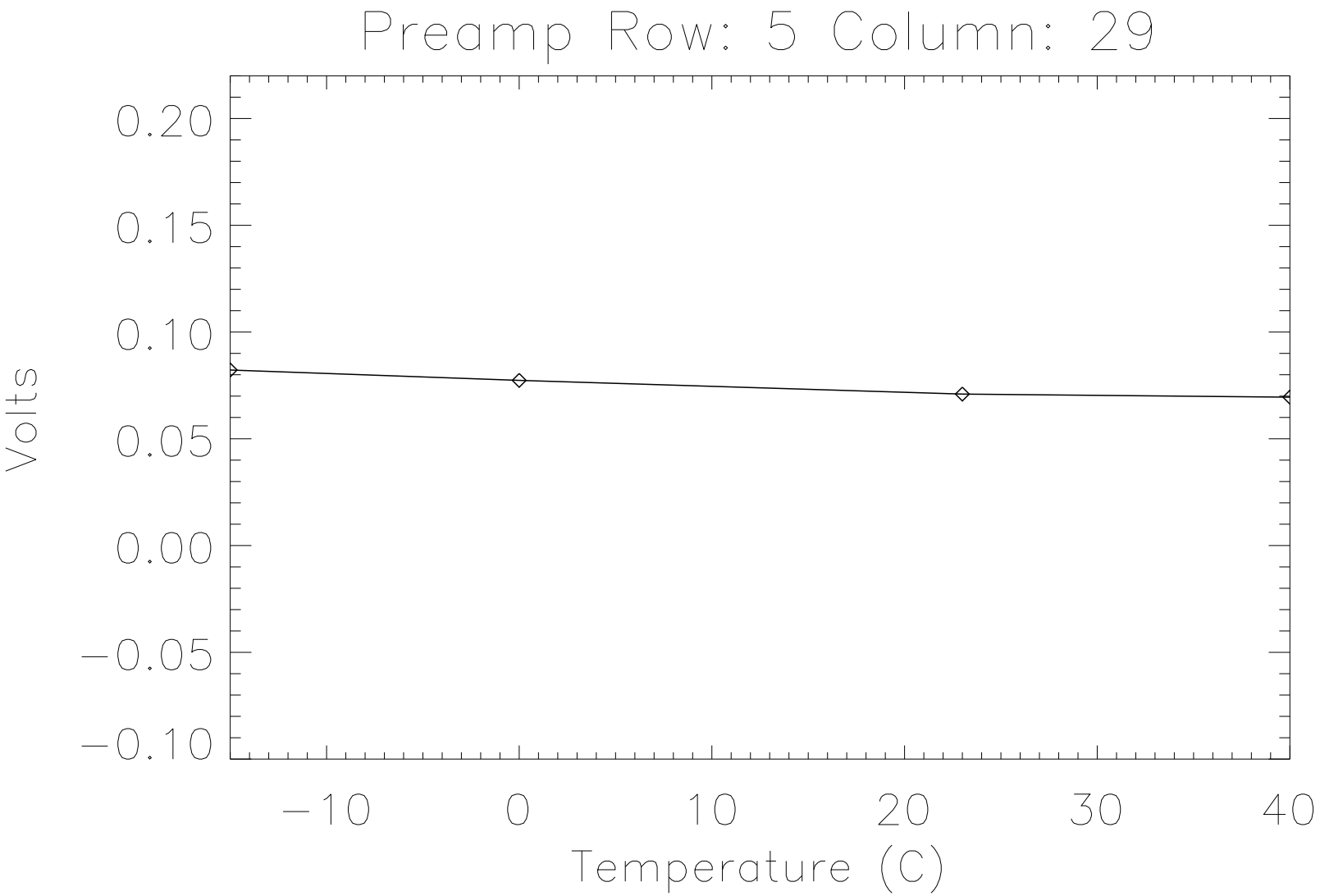

Shaper Row: 5 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

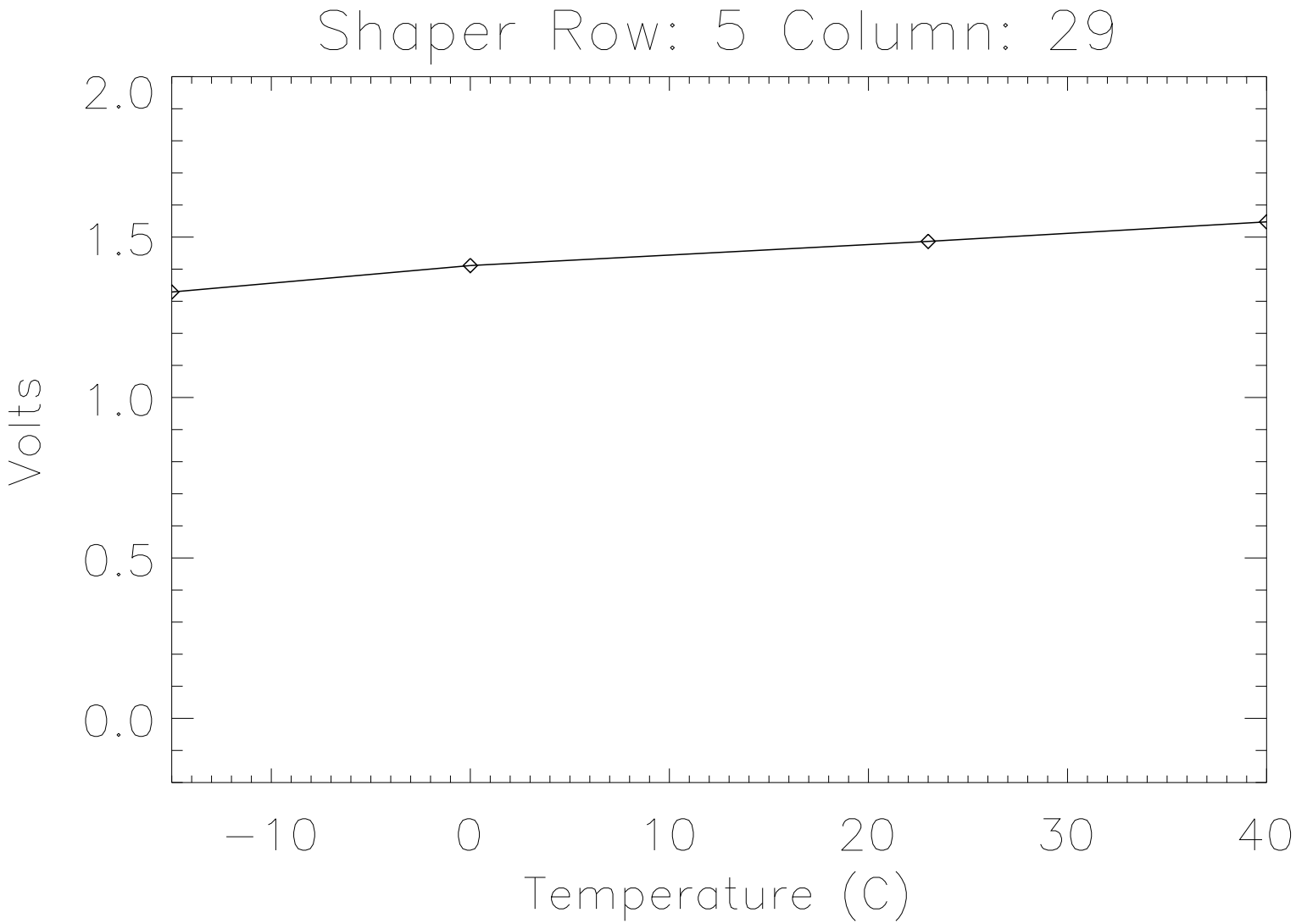

Leakage Row: 5 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

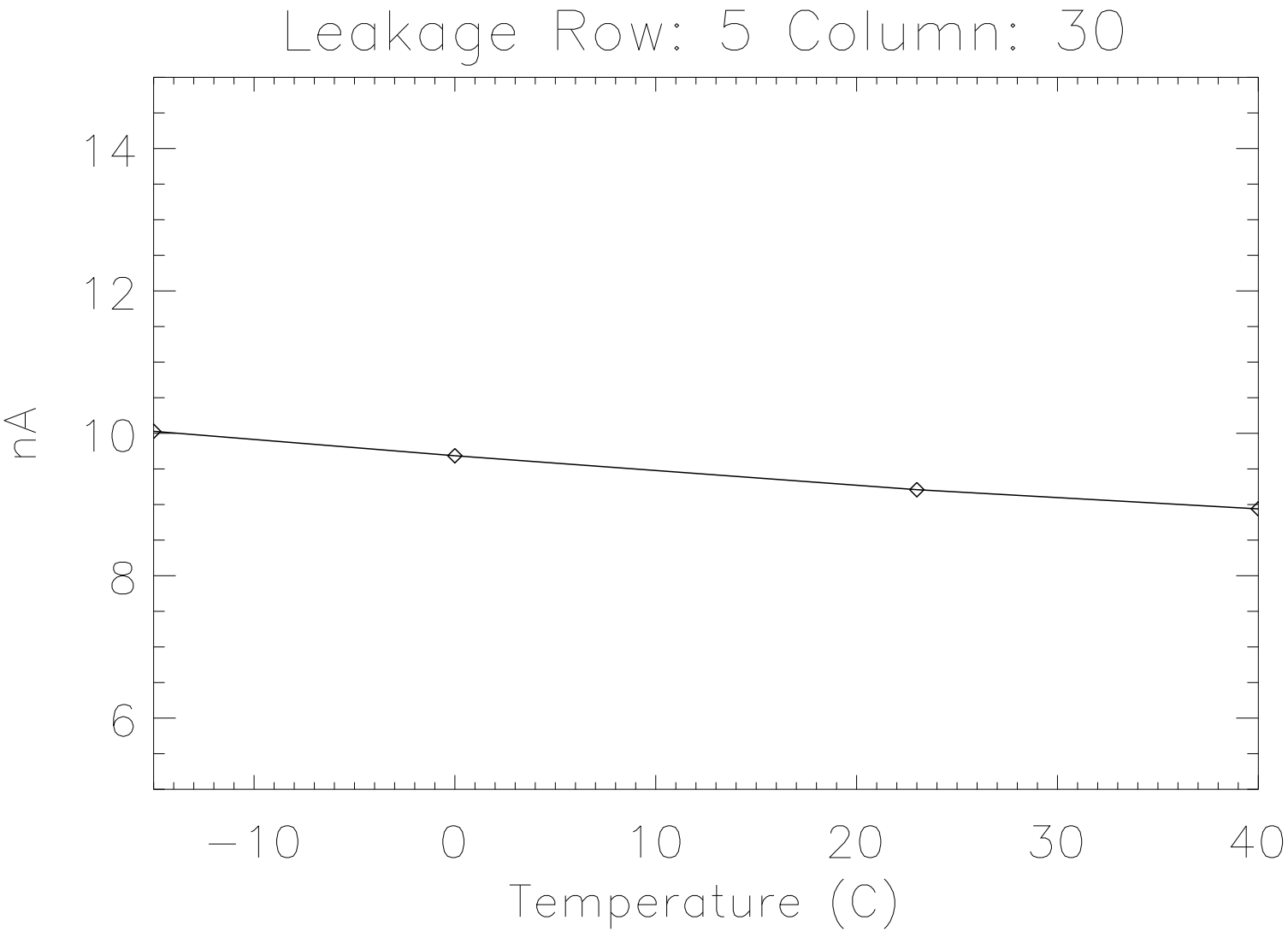

Preamp Row: 5 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

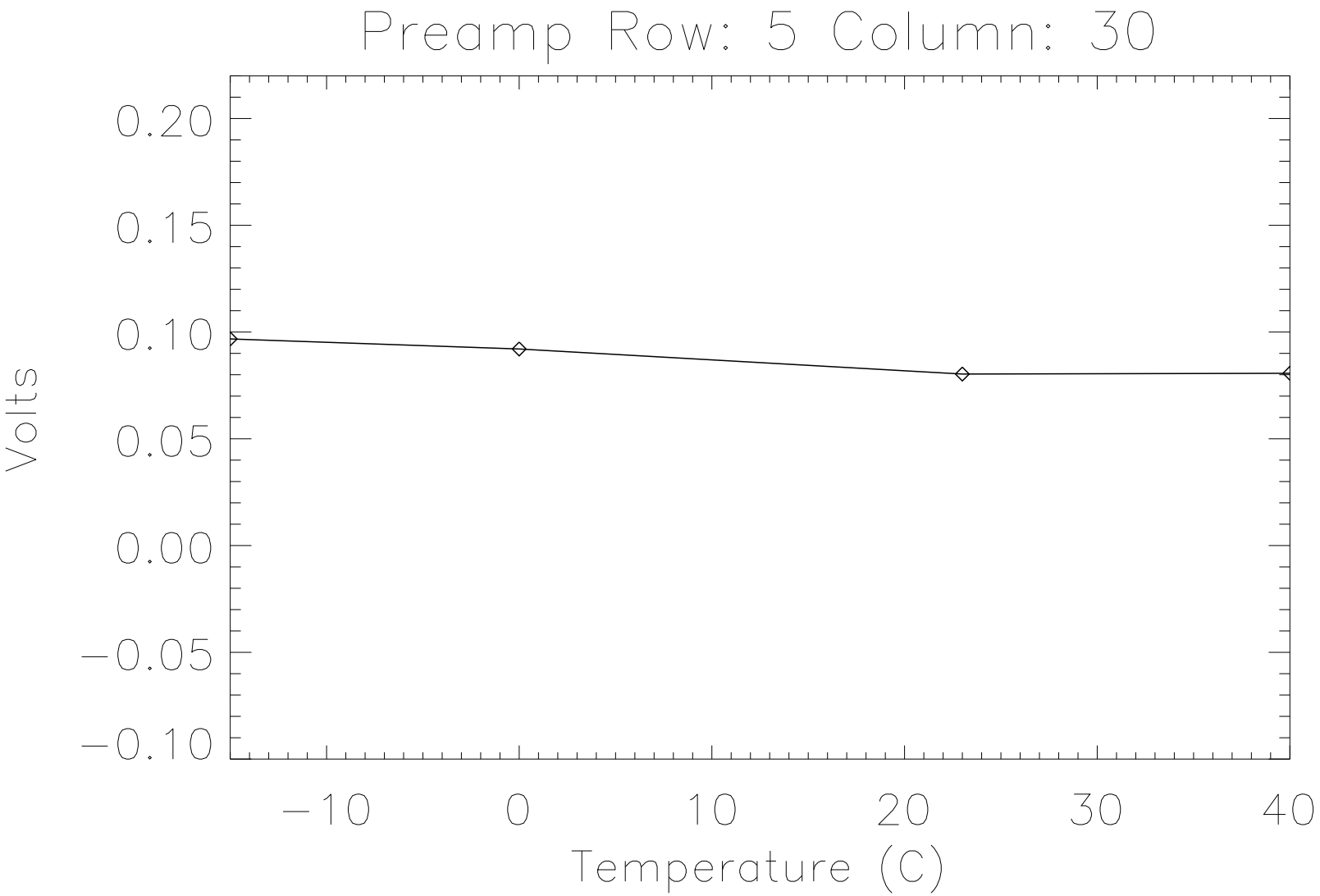

Shaper Row: 5 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 5 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 5 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 5 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 5 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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0.20
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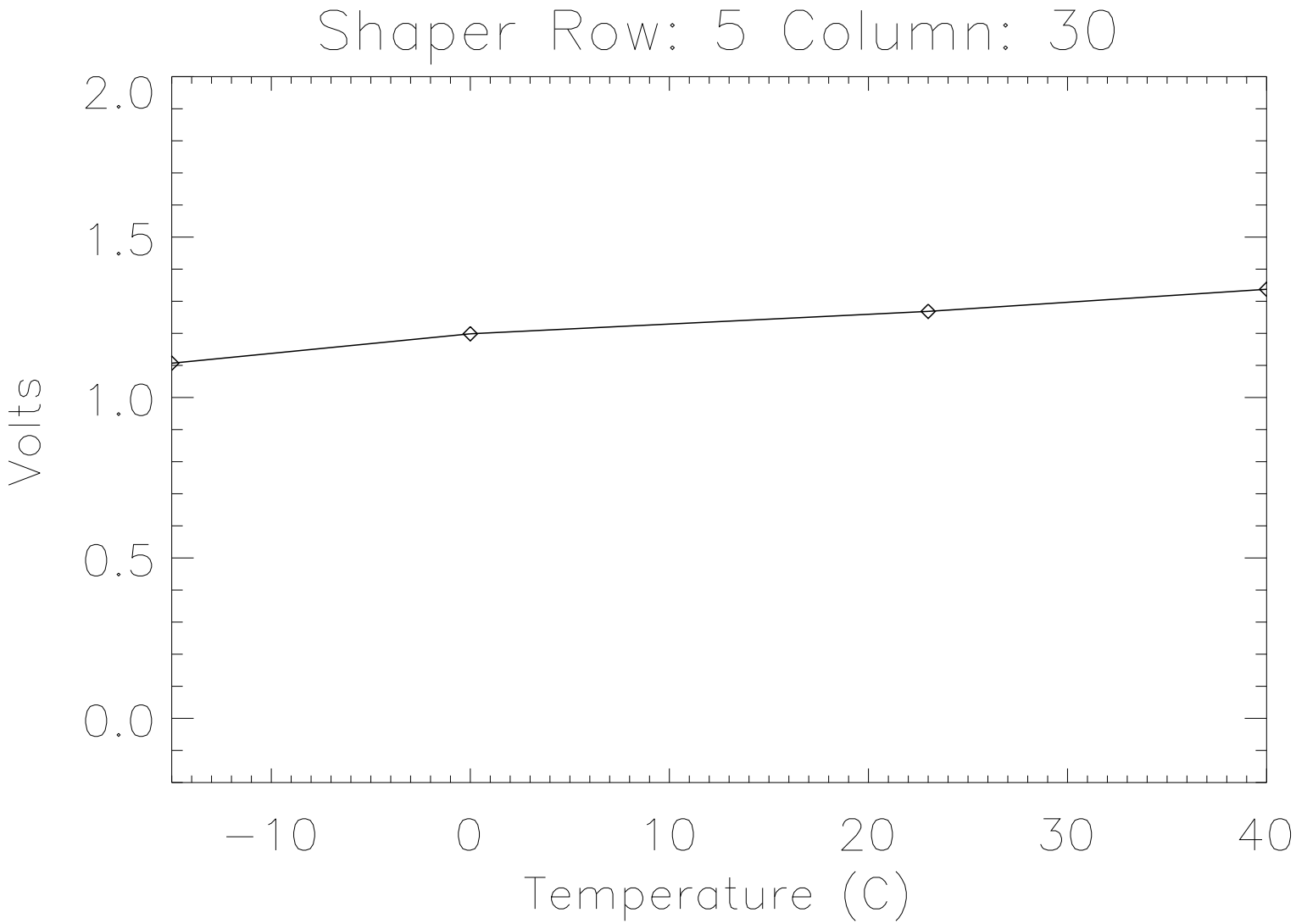
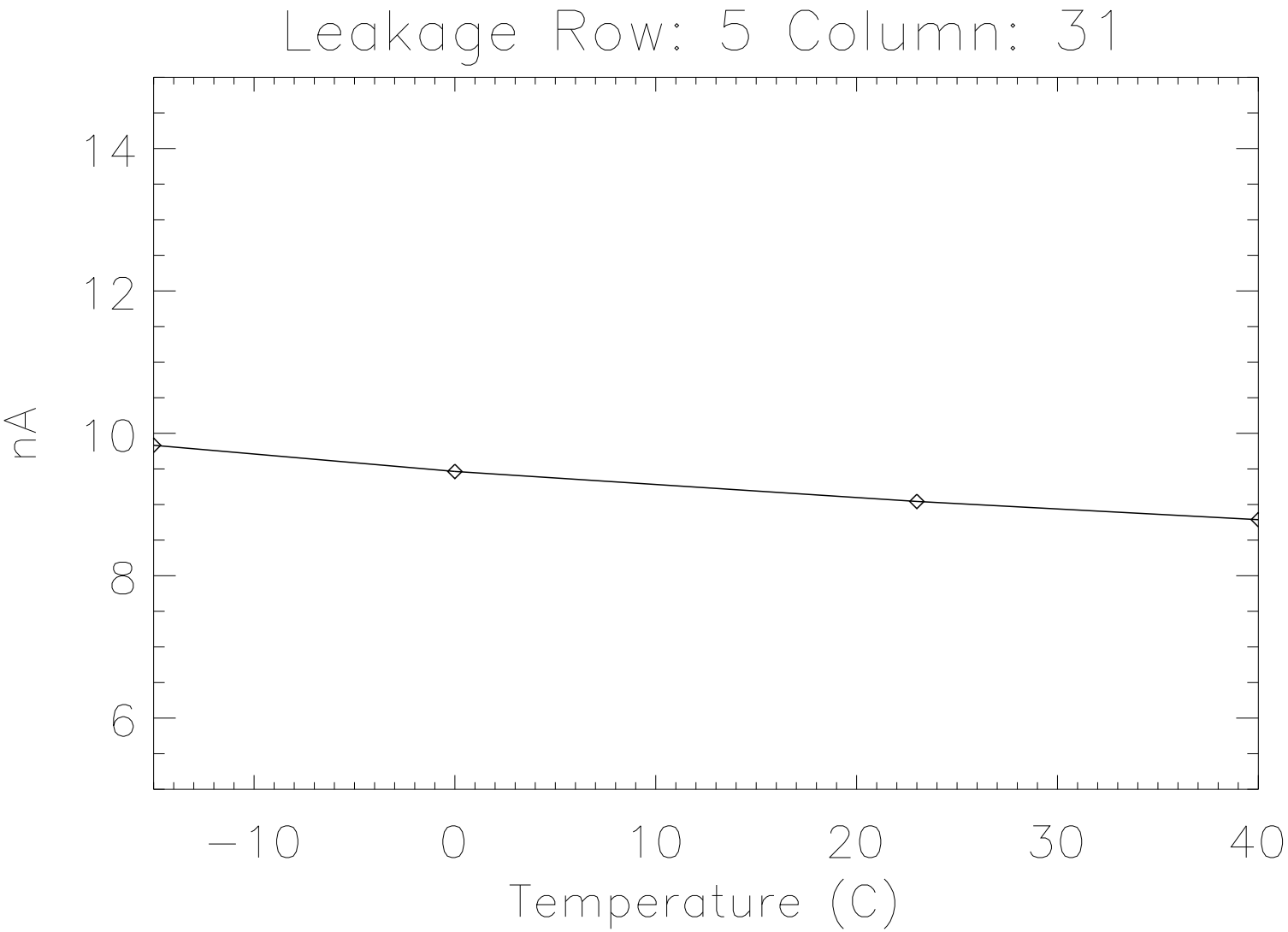
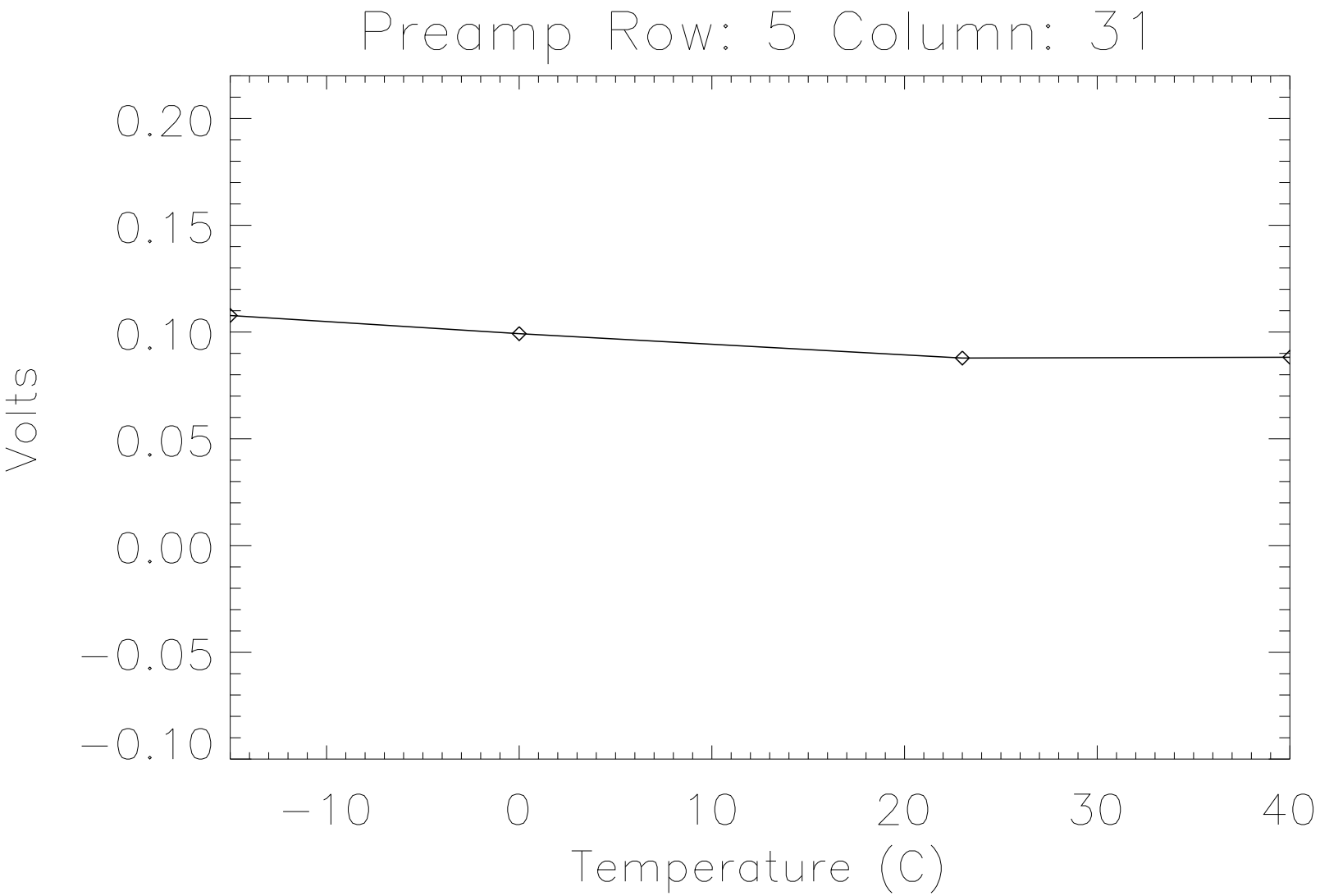
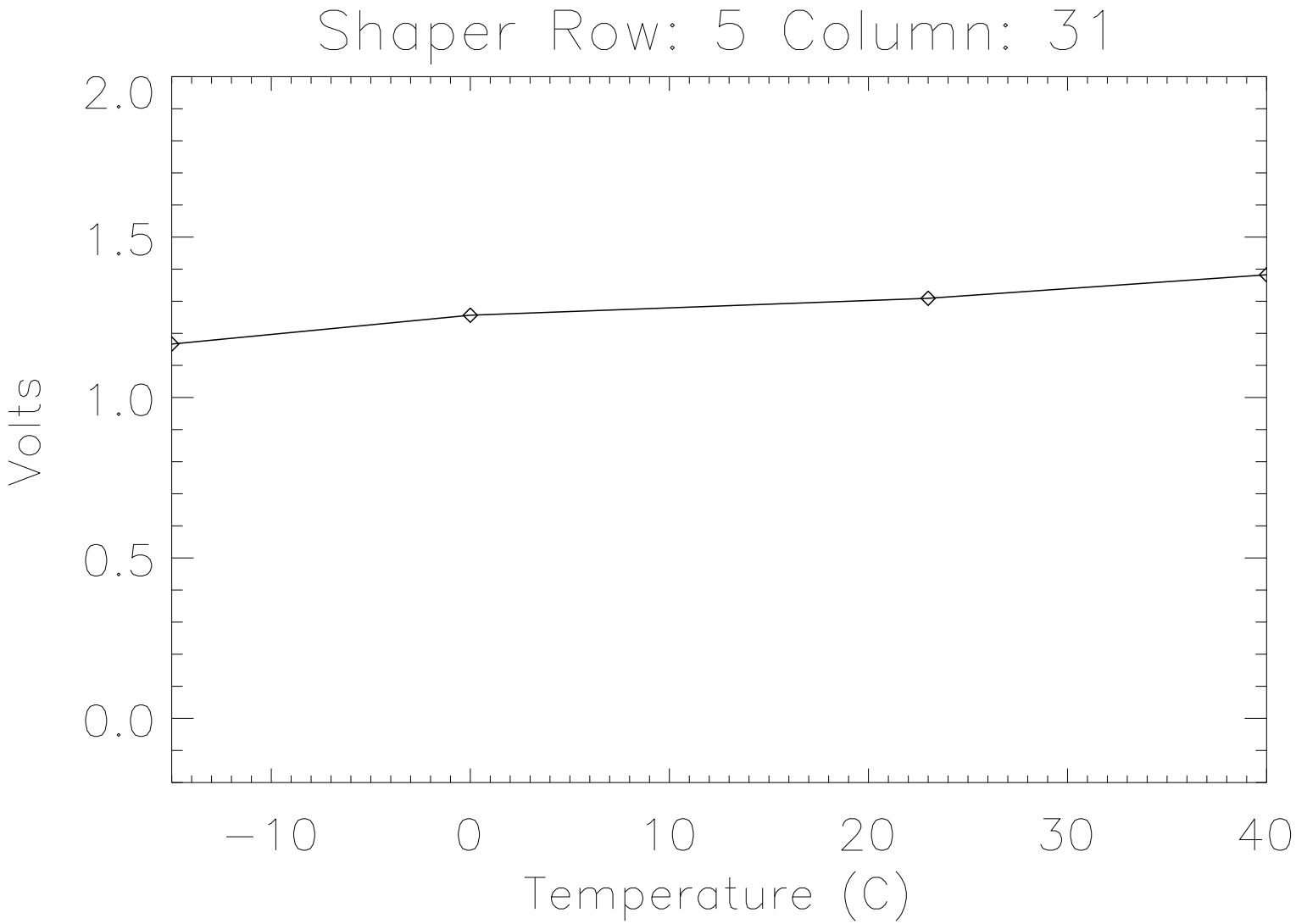
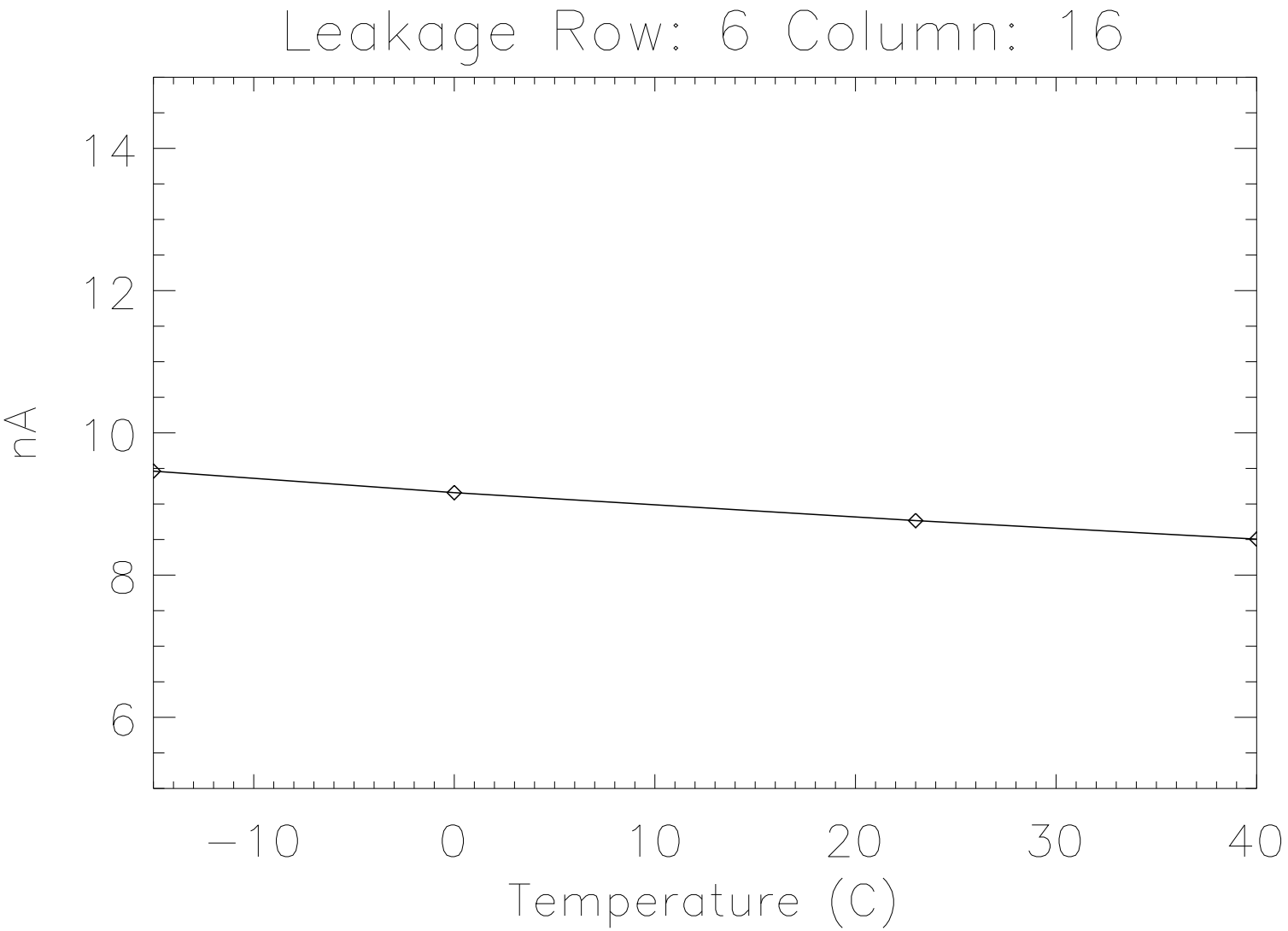
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

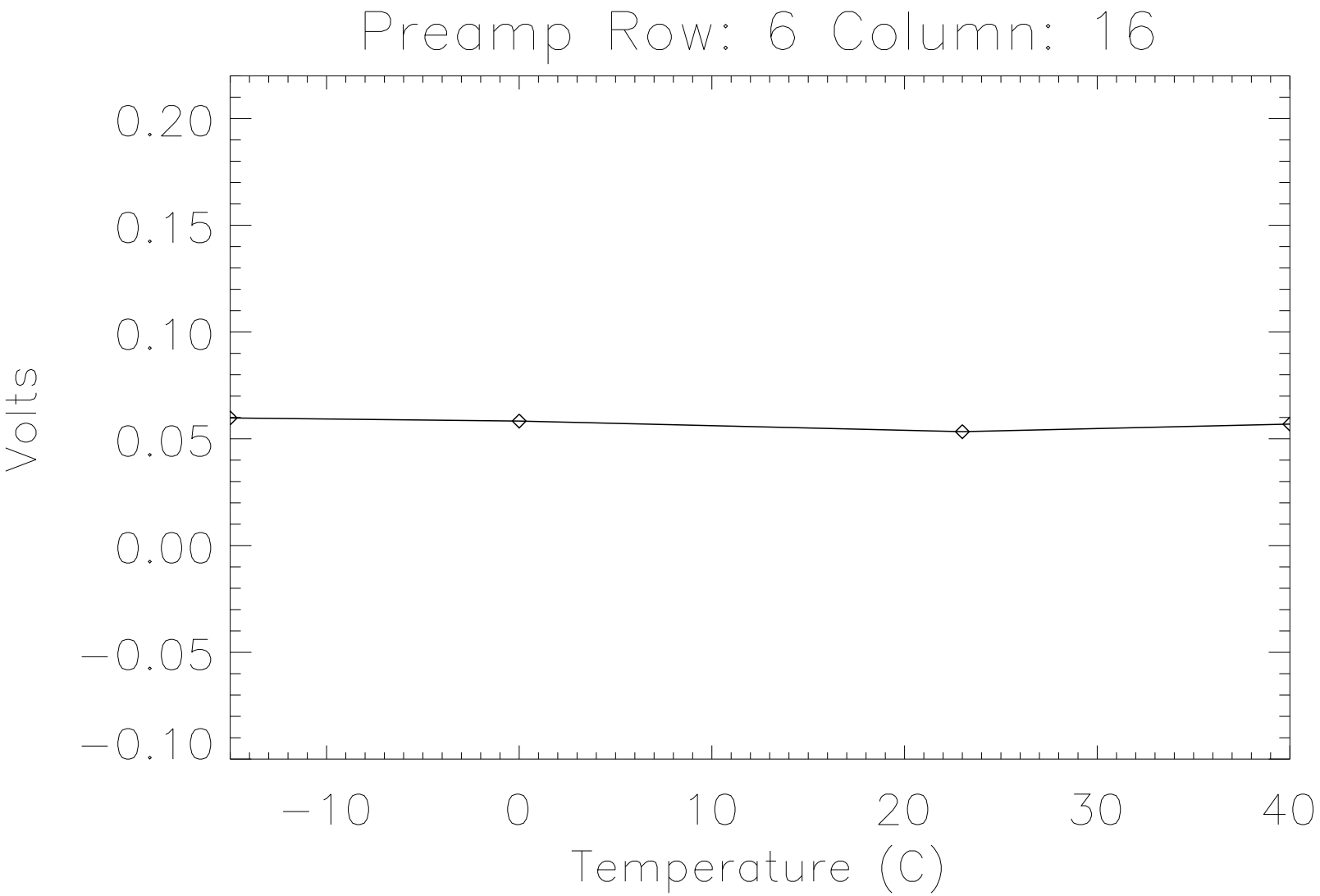

Shaper Row: 5 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 5 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 5 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 5 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 6 Column: 16
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 6 Column: 16
0.20
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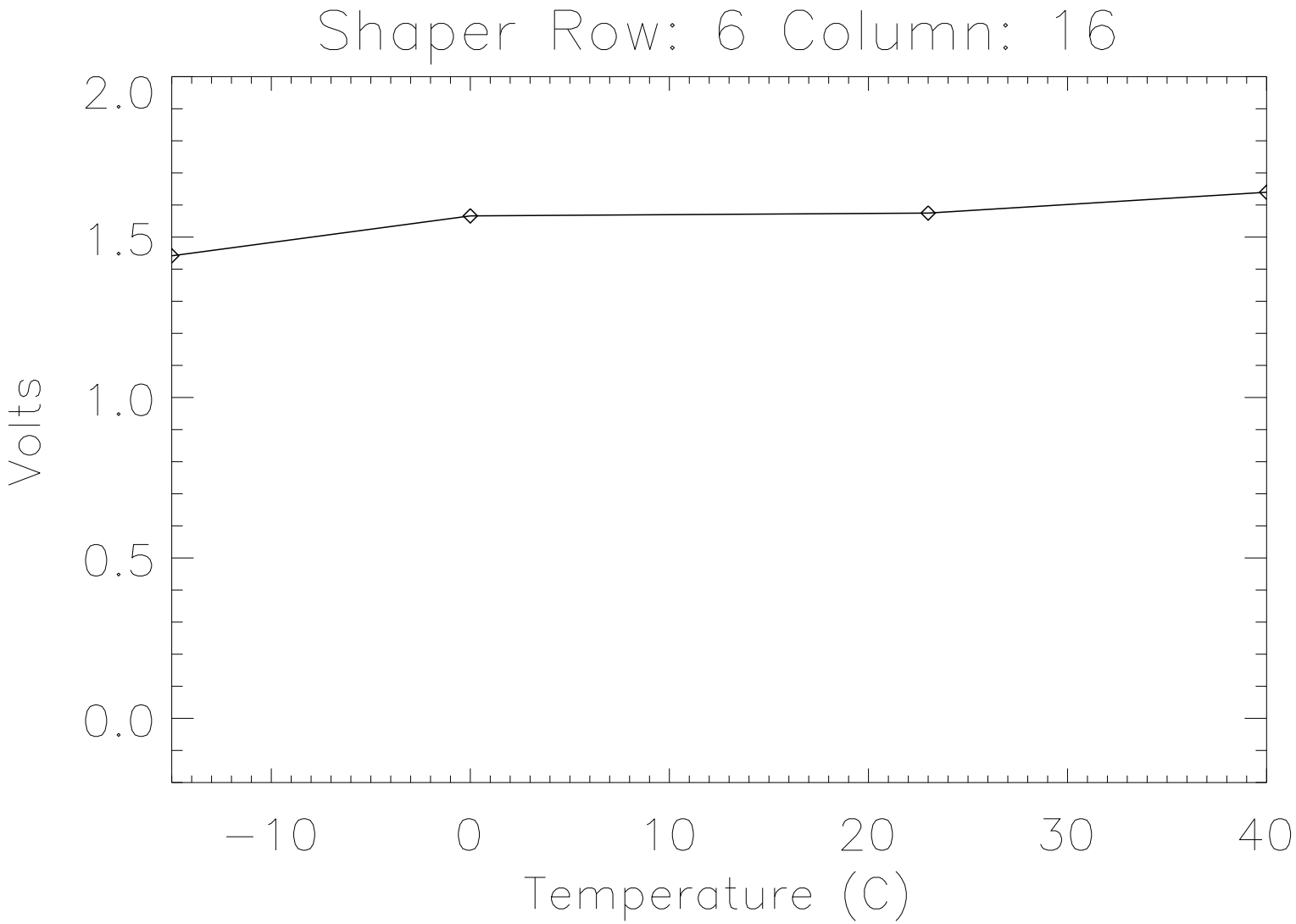
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 6 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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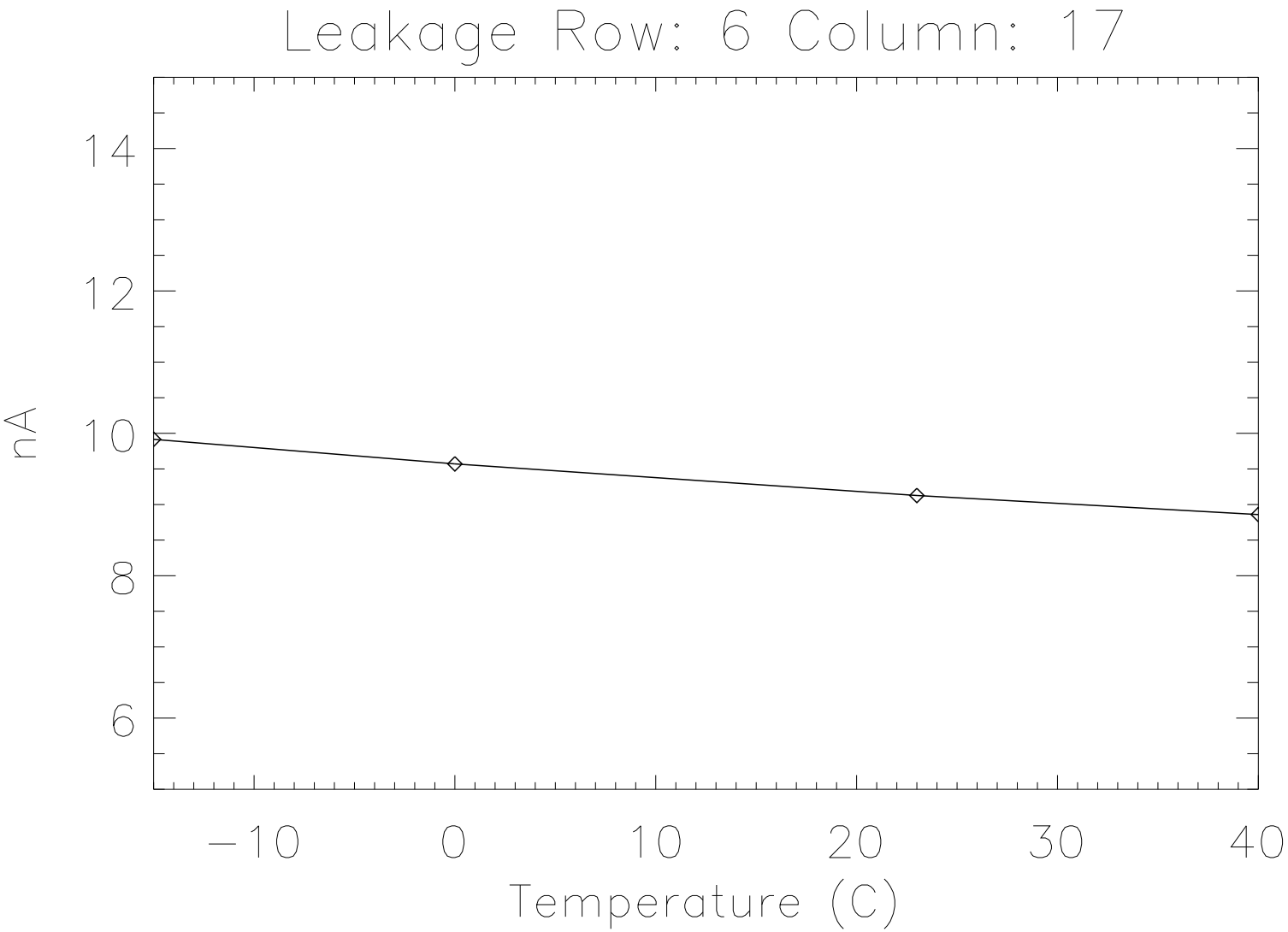
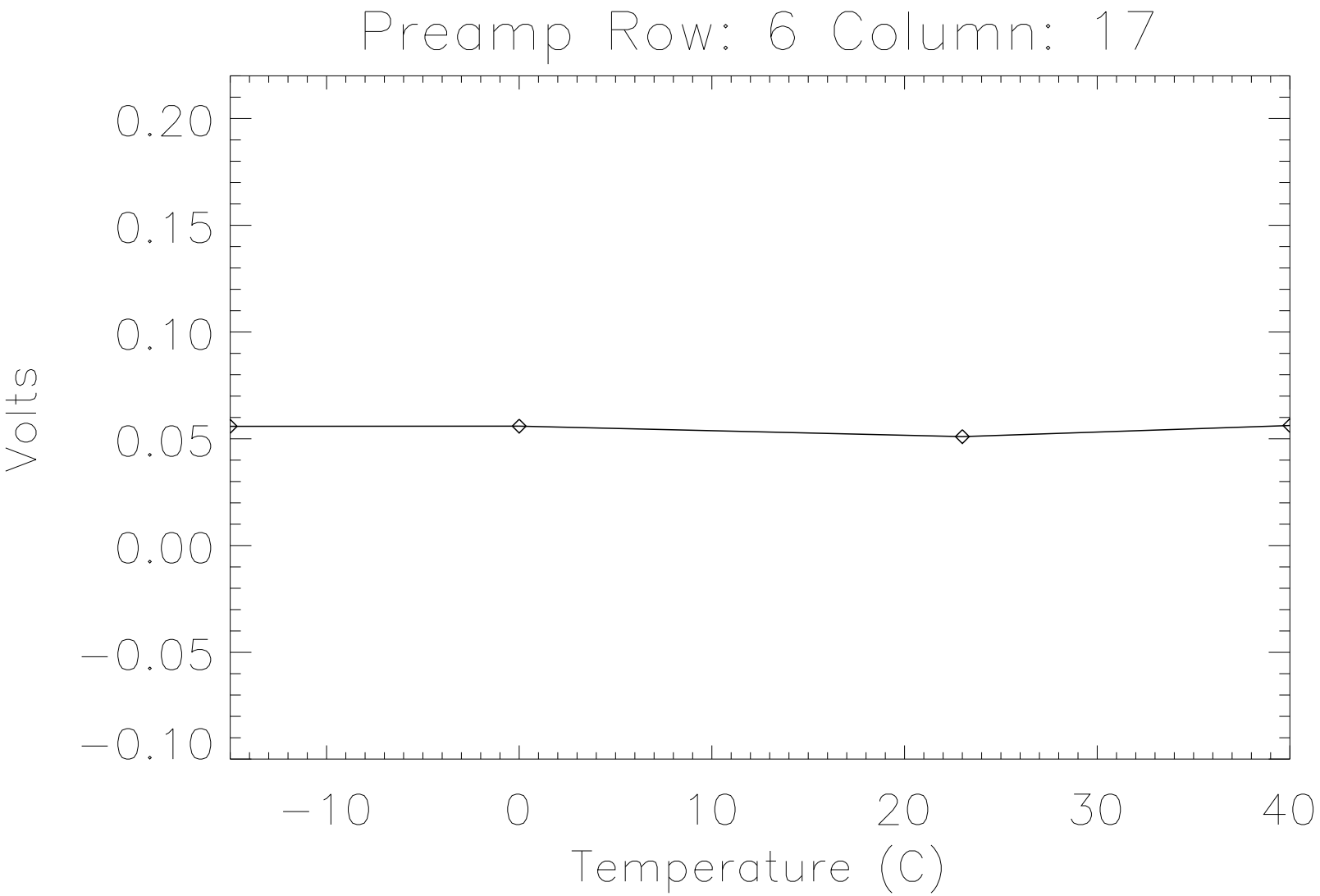
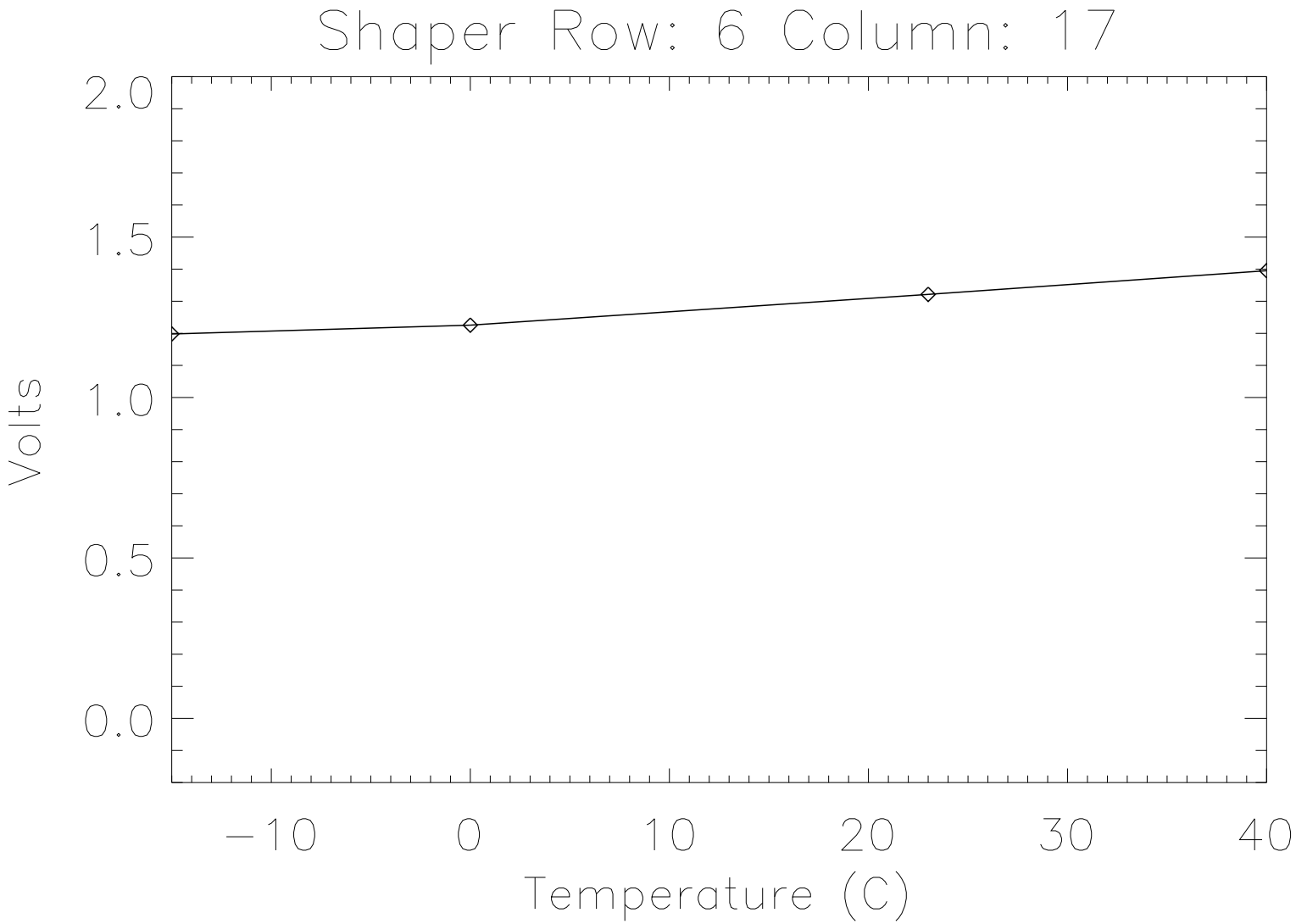
20
30
40
Temperature (C)


Leakage Row: 6 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 6 Column: 17
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 6 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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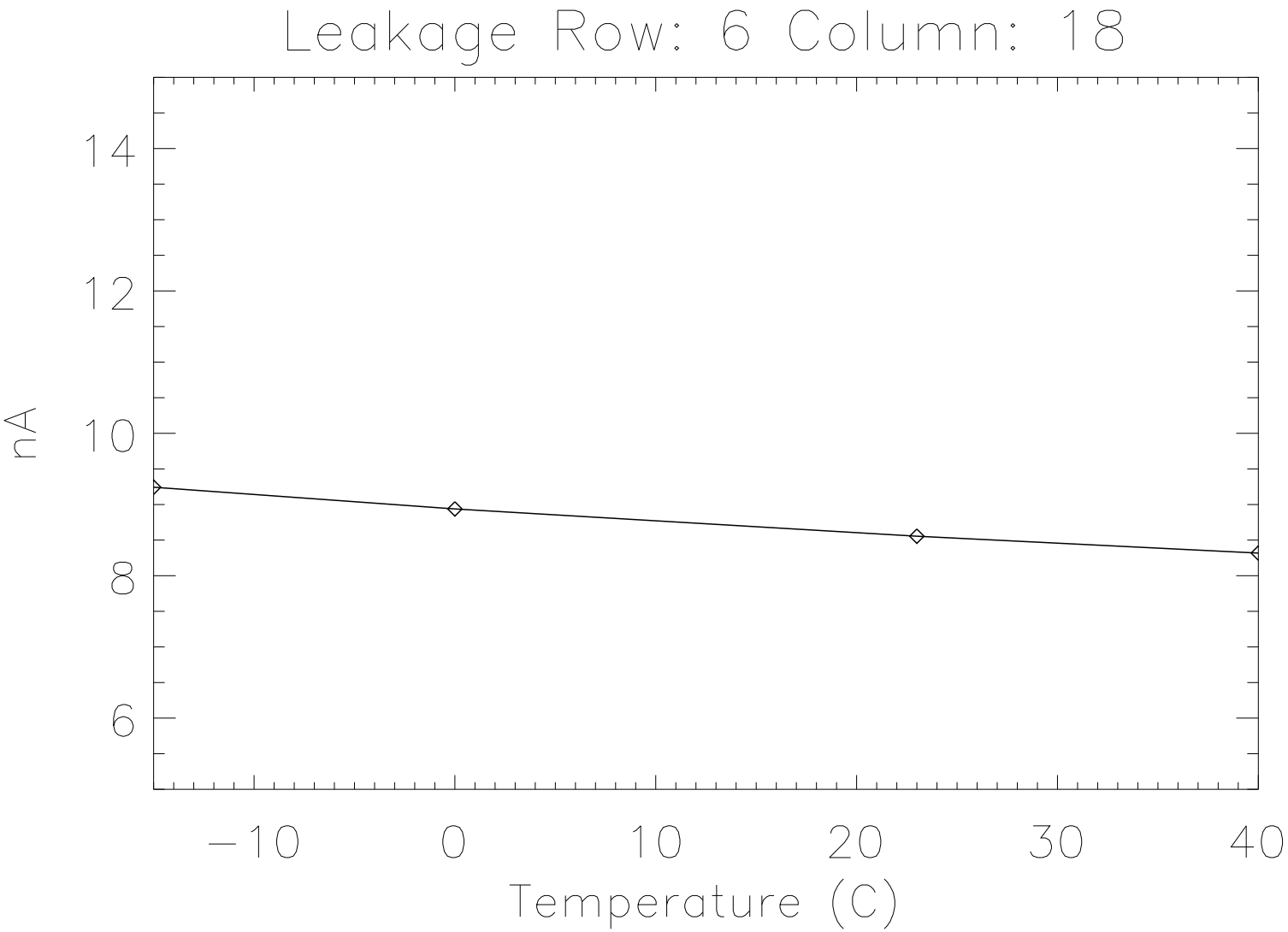
20
30
40
Temperature (C)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12
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8
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−10
0
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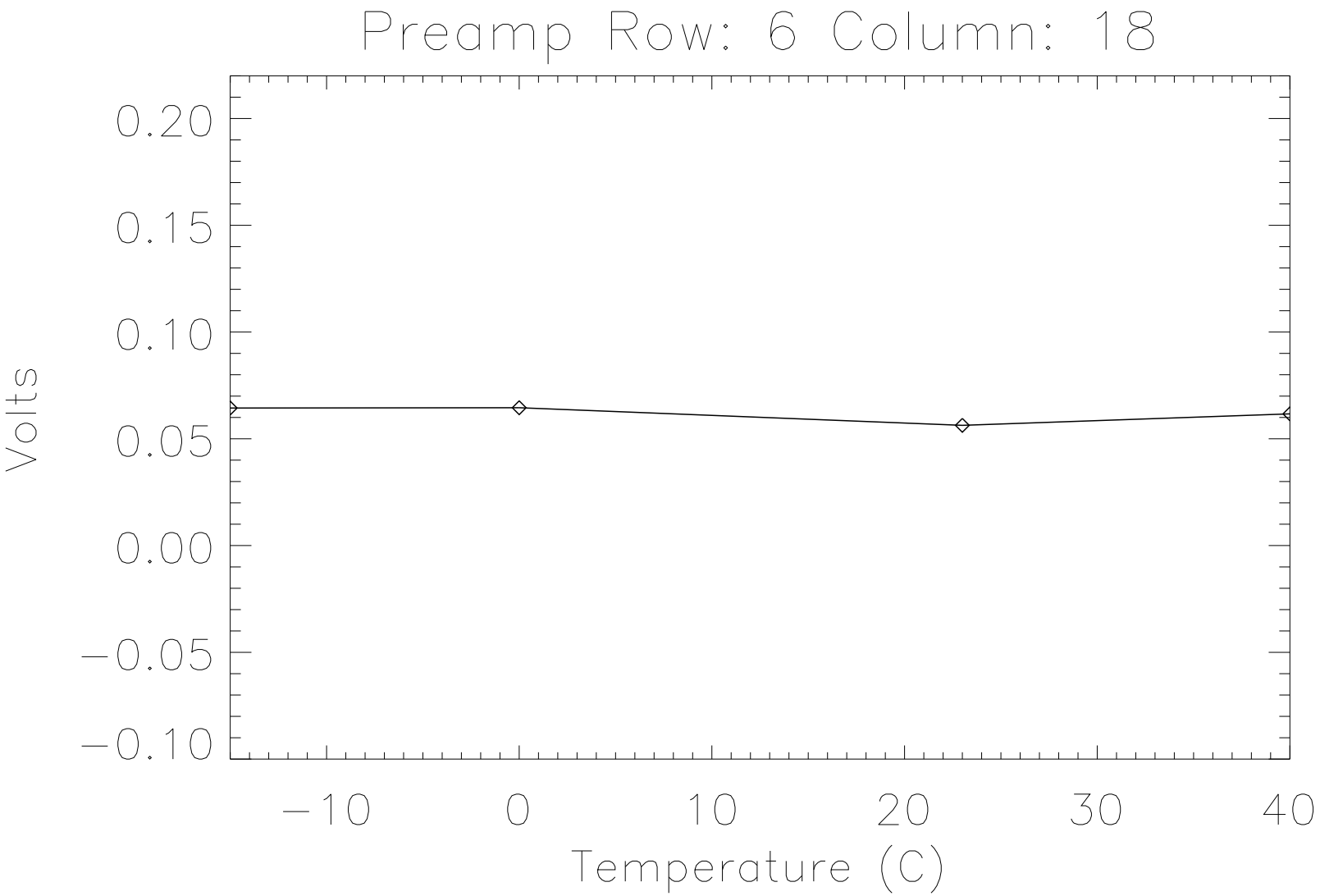
20
30
40
Temperature (C)


Preamp Row: 6 Column: 18
0.20
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0.10
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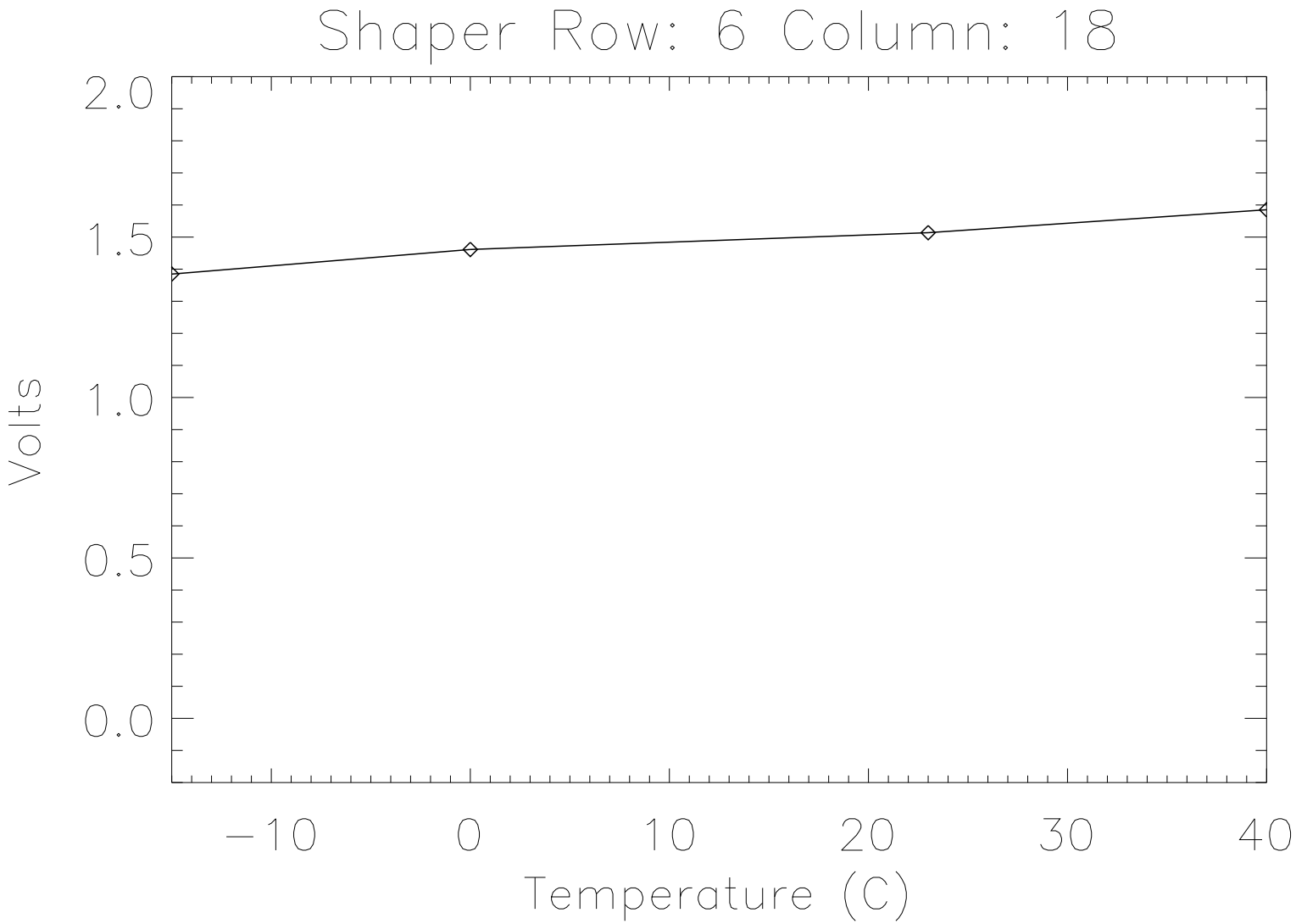
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 6 Column: 18
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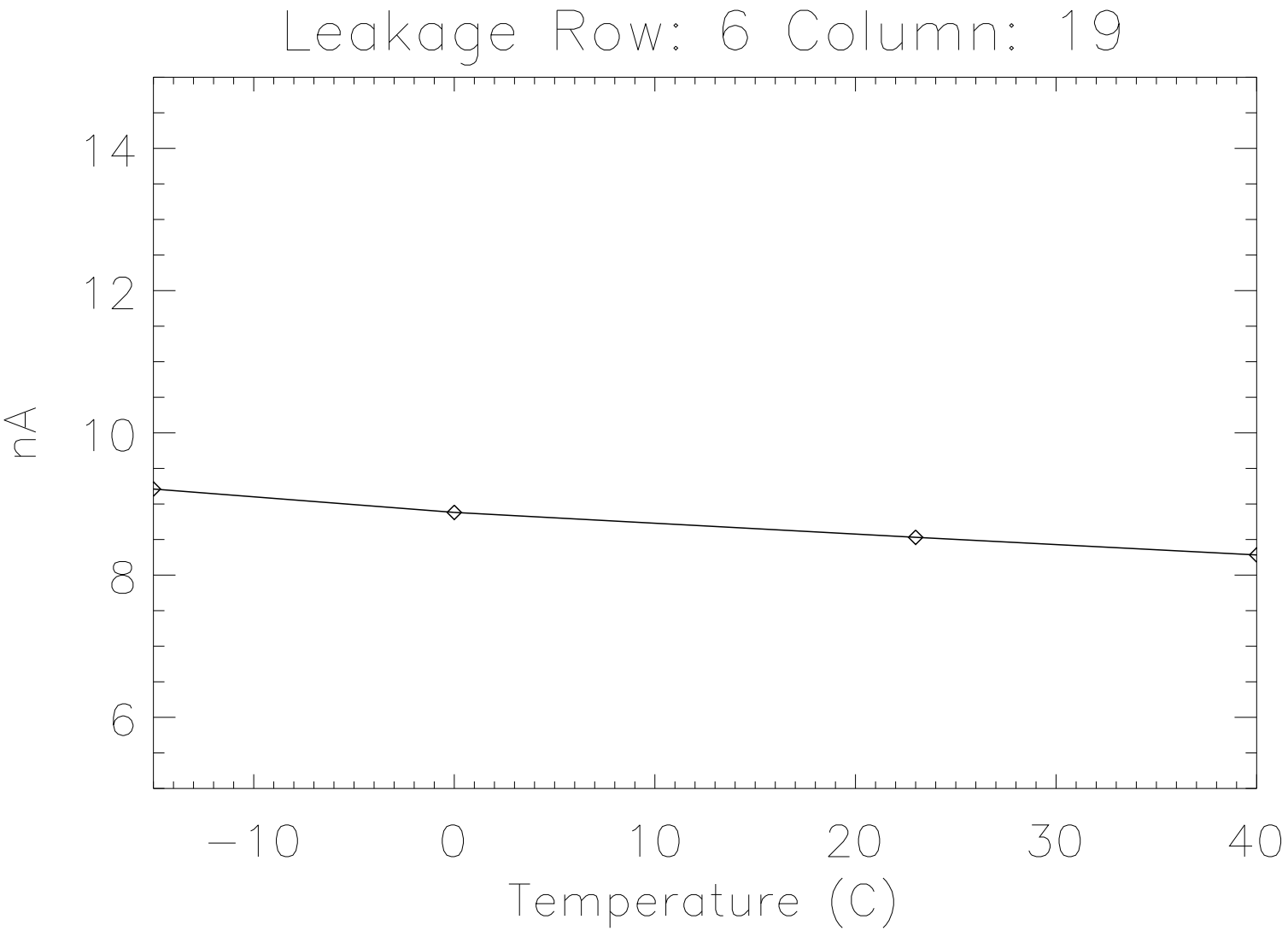
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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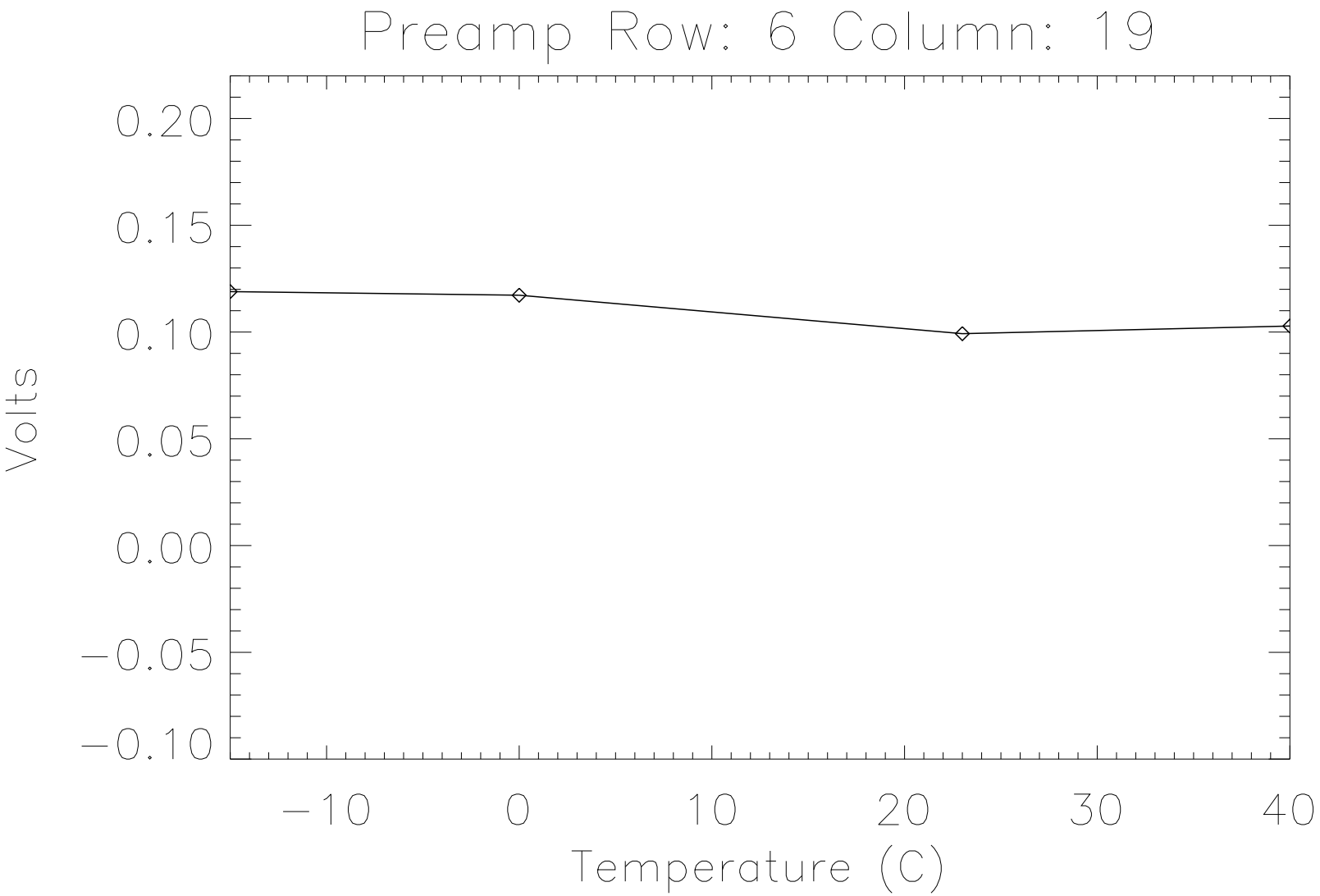
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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Volts
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30
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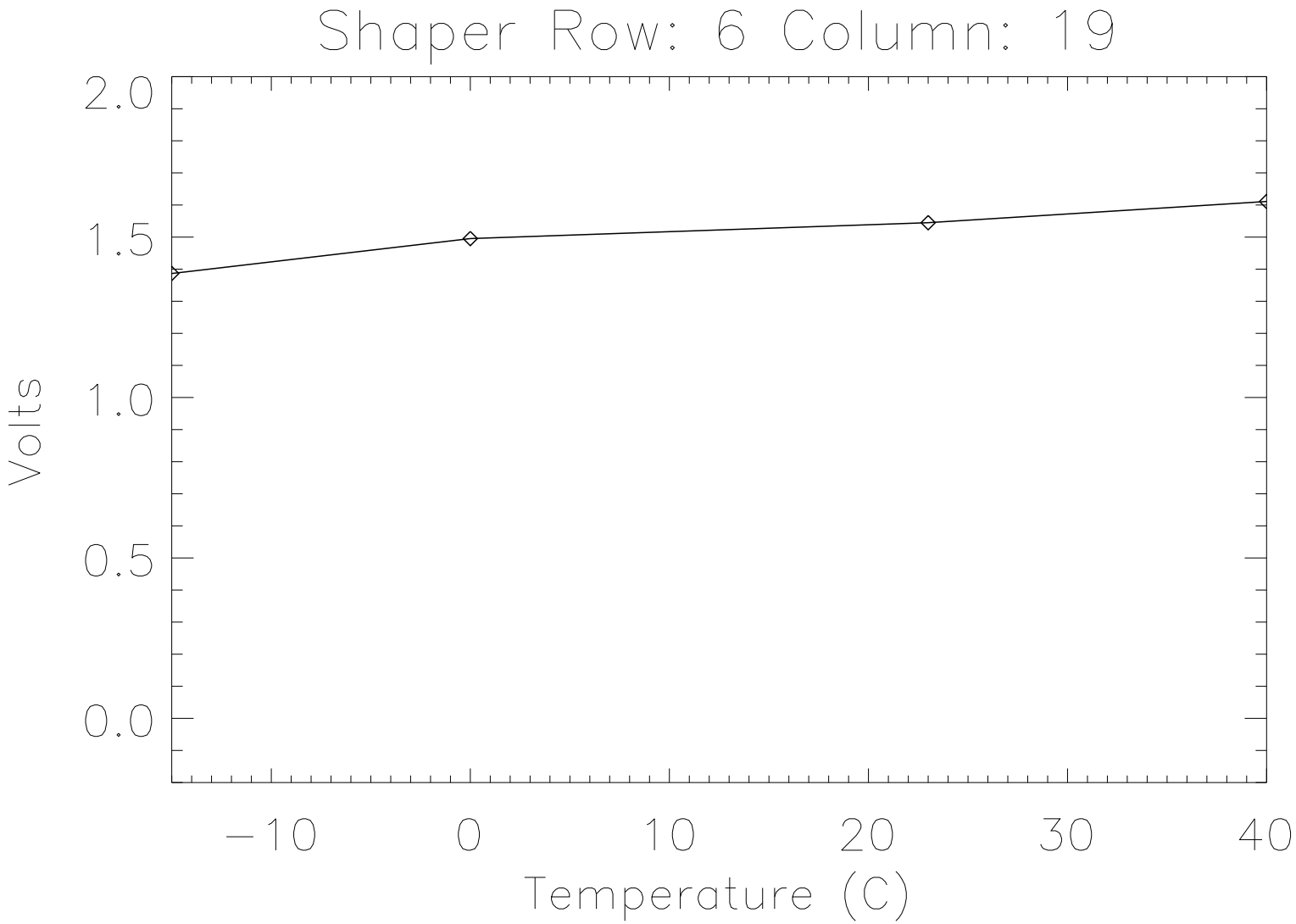
Temperature (C)


Shaper Row: 6 Column: 19
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1.5
1.0
0.5
0.0
Volts
−10
0
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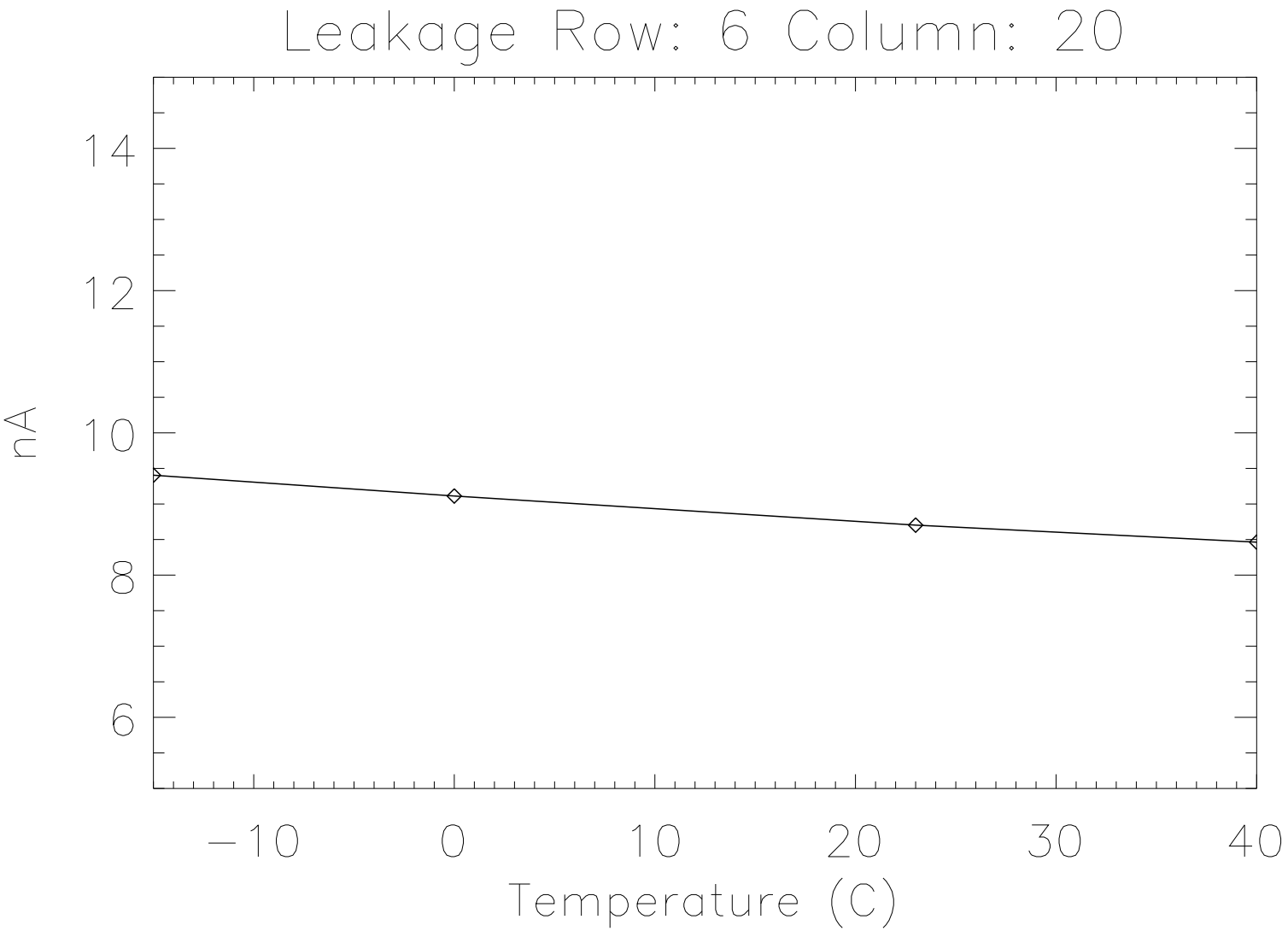
20
30
40
Temperature (C)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8
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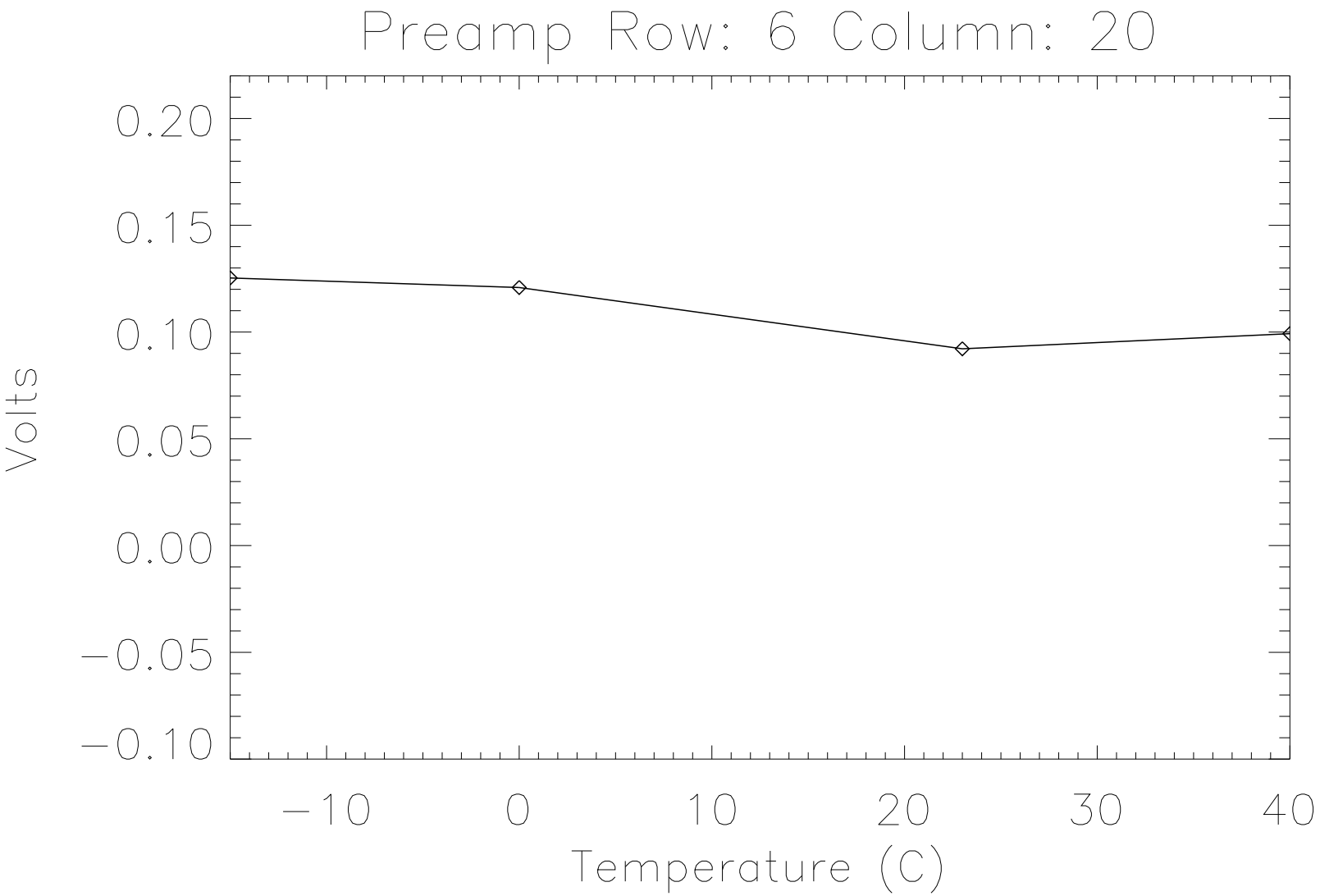
−10
0
10
20
30
40
Temperature (C)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−0.10
Volts
−10
0
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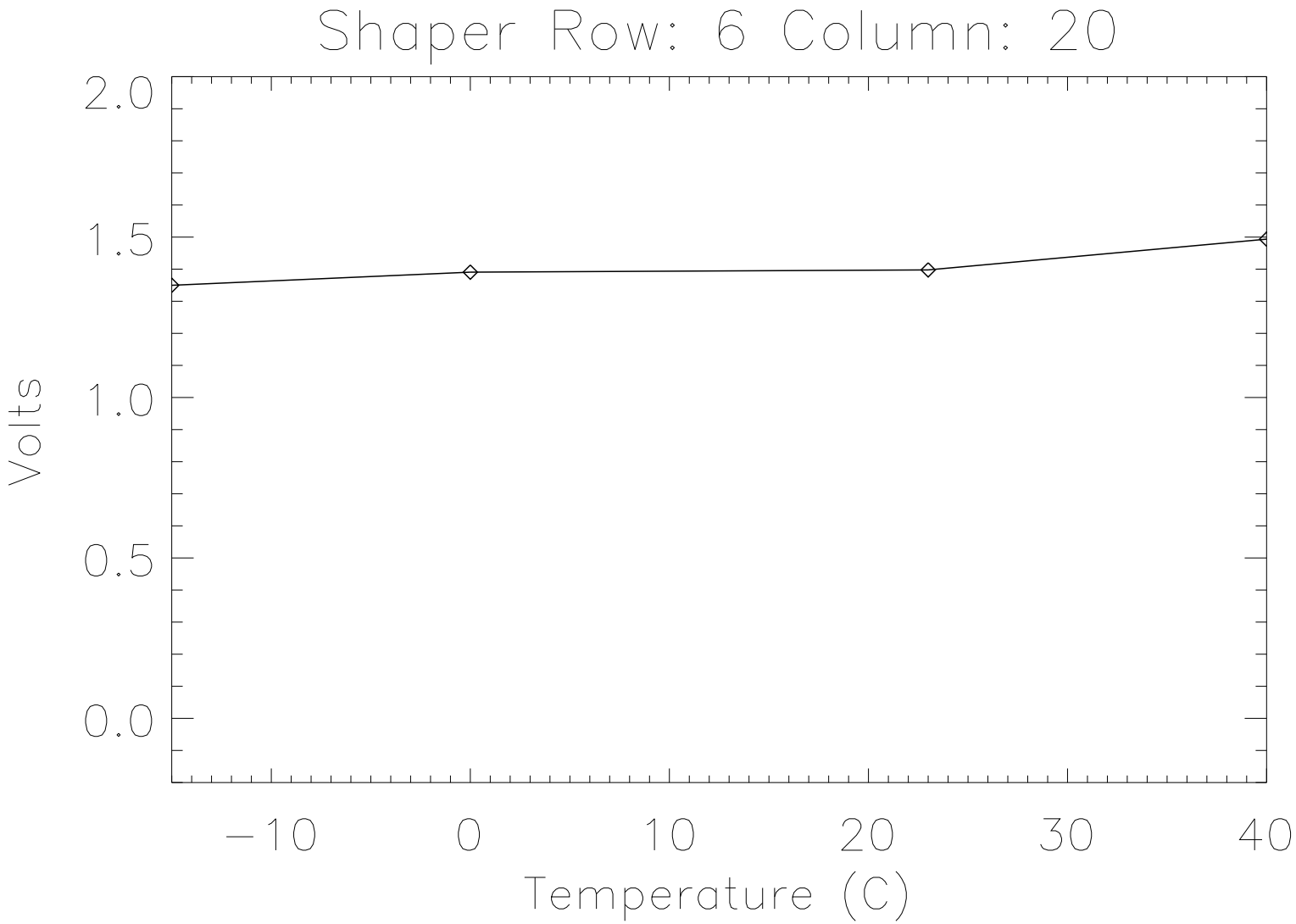
20
30
40
Temperature (C)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1.0
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Volts
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30
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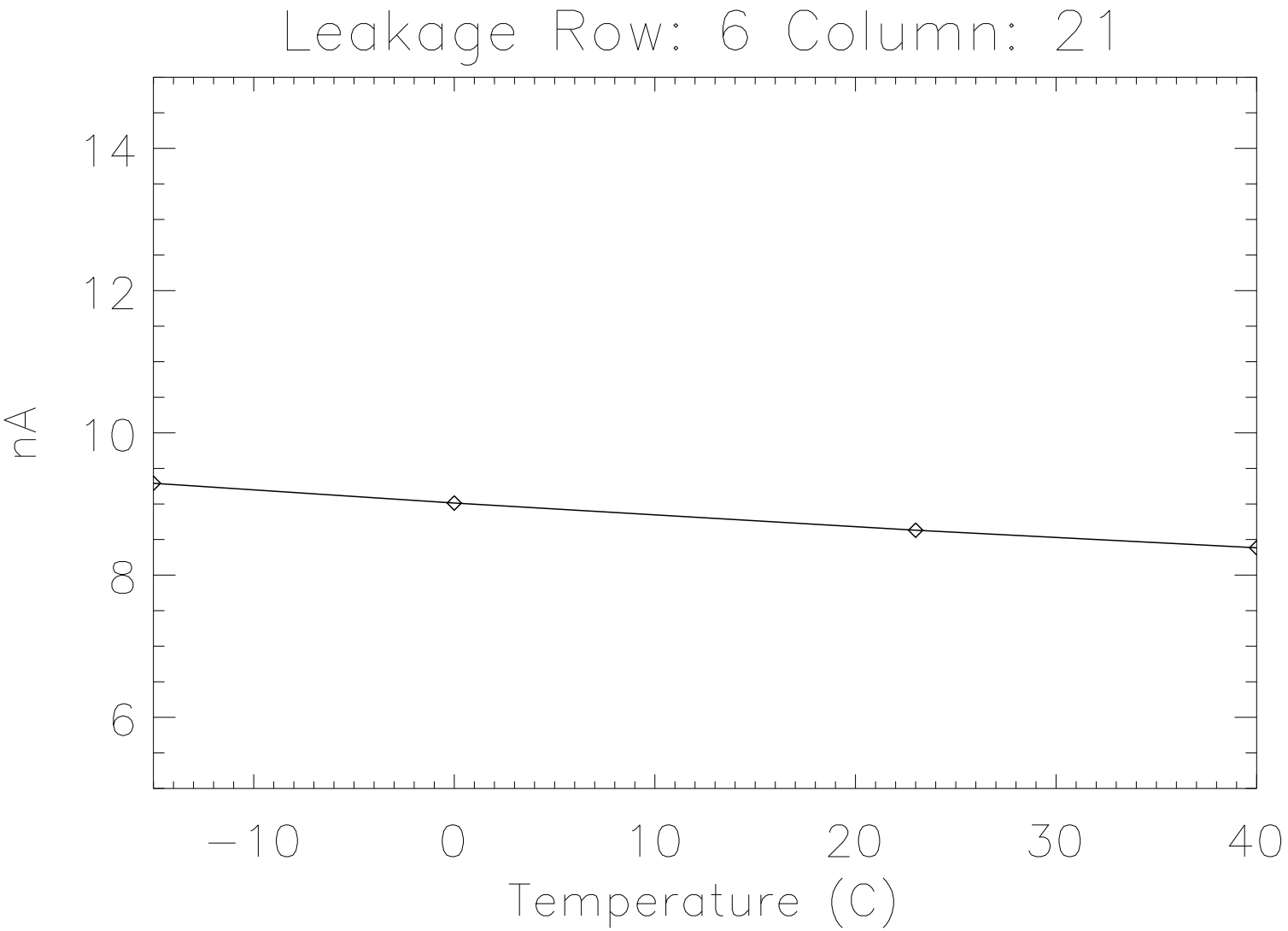
Temperature (C)


Leakage Row: 6 Column: 21
nA
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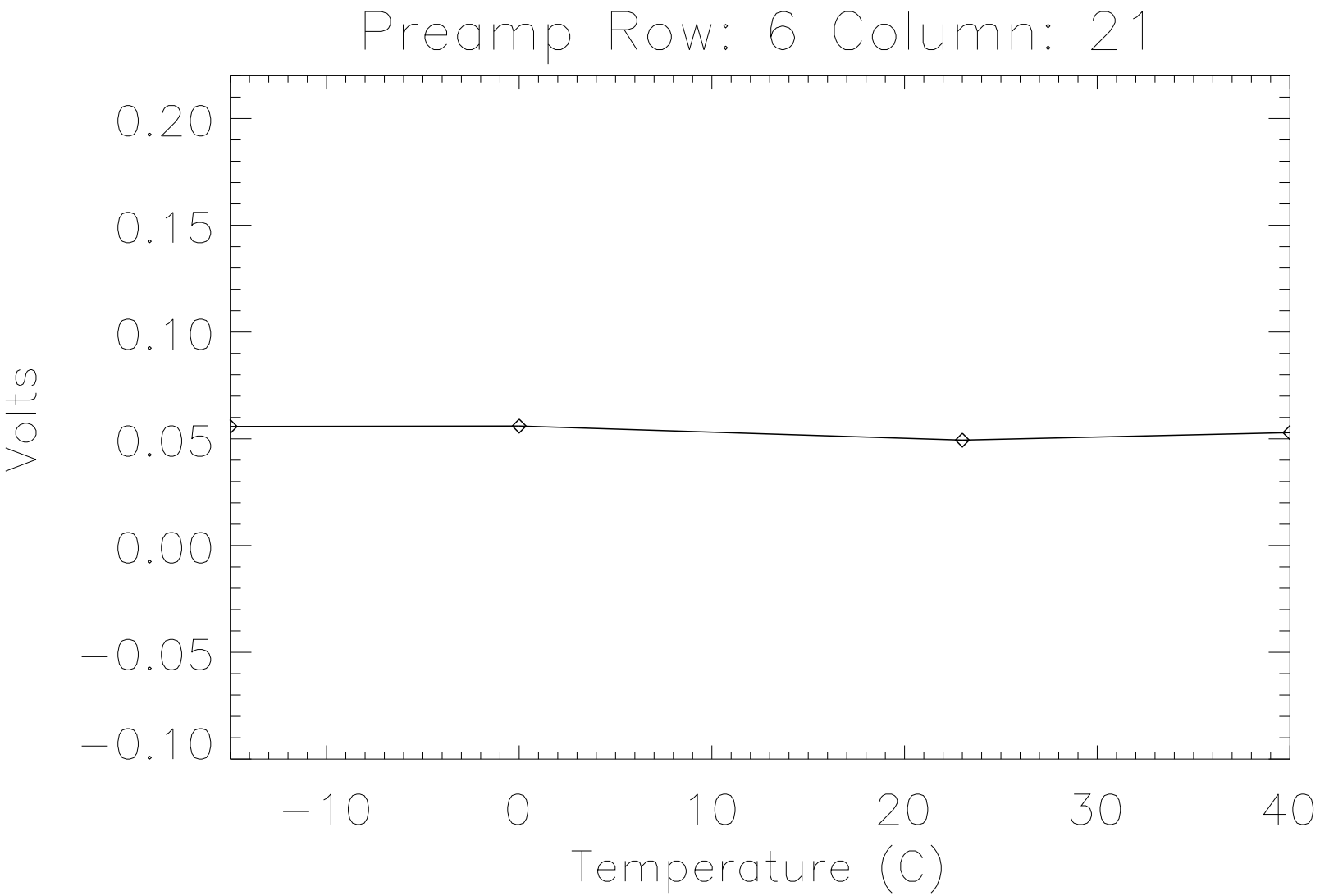
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 6 Column: 21
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0.10
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−0.05
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Volts
−10
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30
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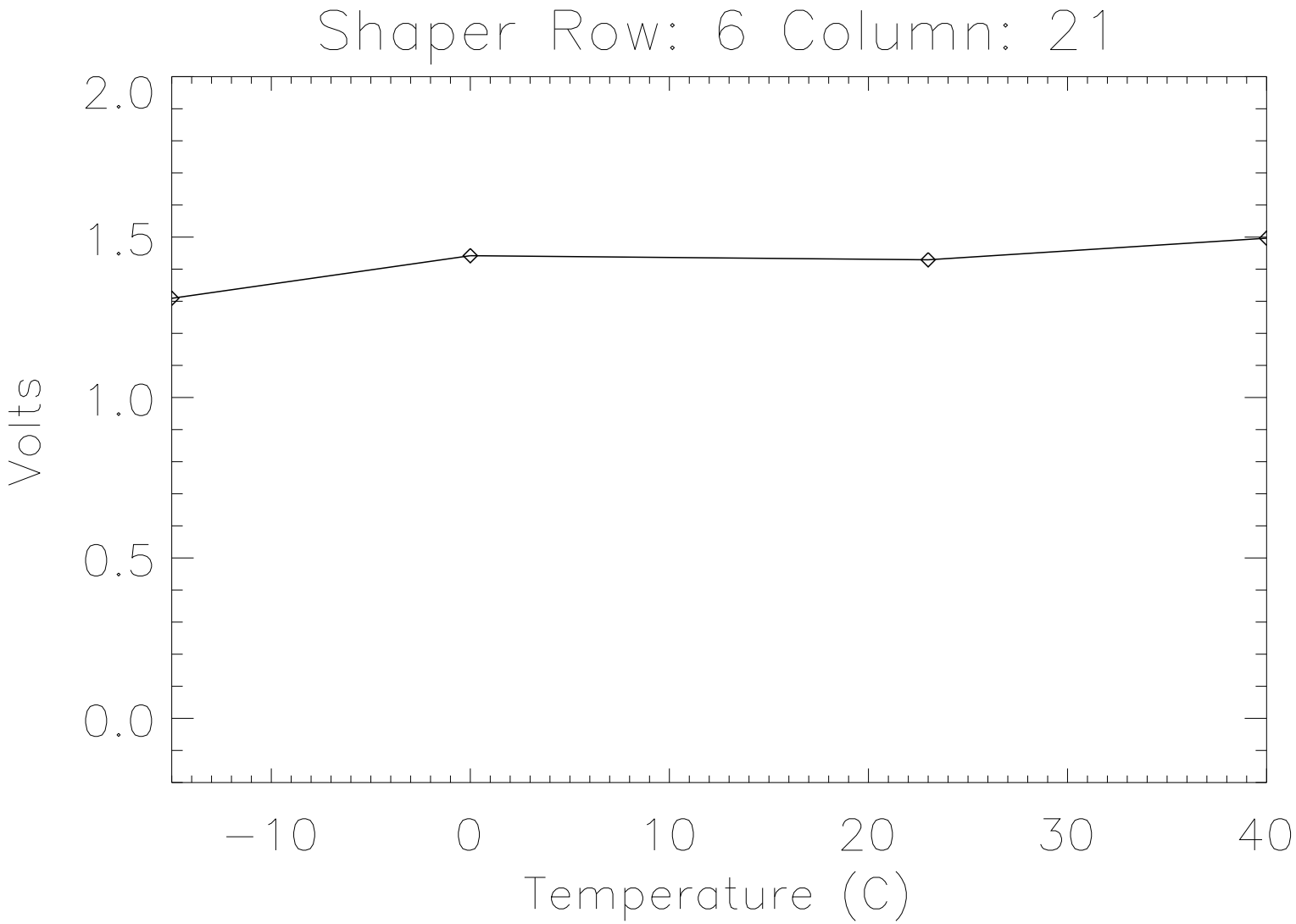
Temperature (C)


Shaper Row: 6 Column: 21
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1.0
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Volts
−10
0
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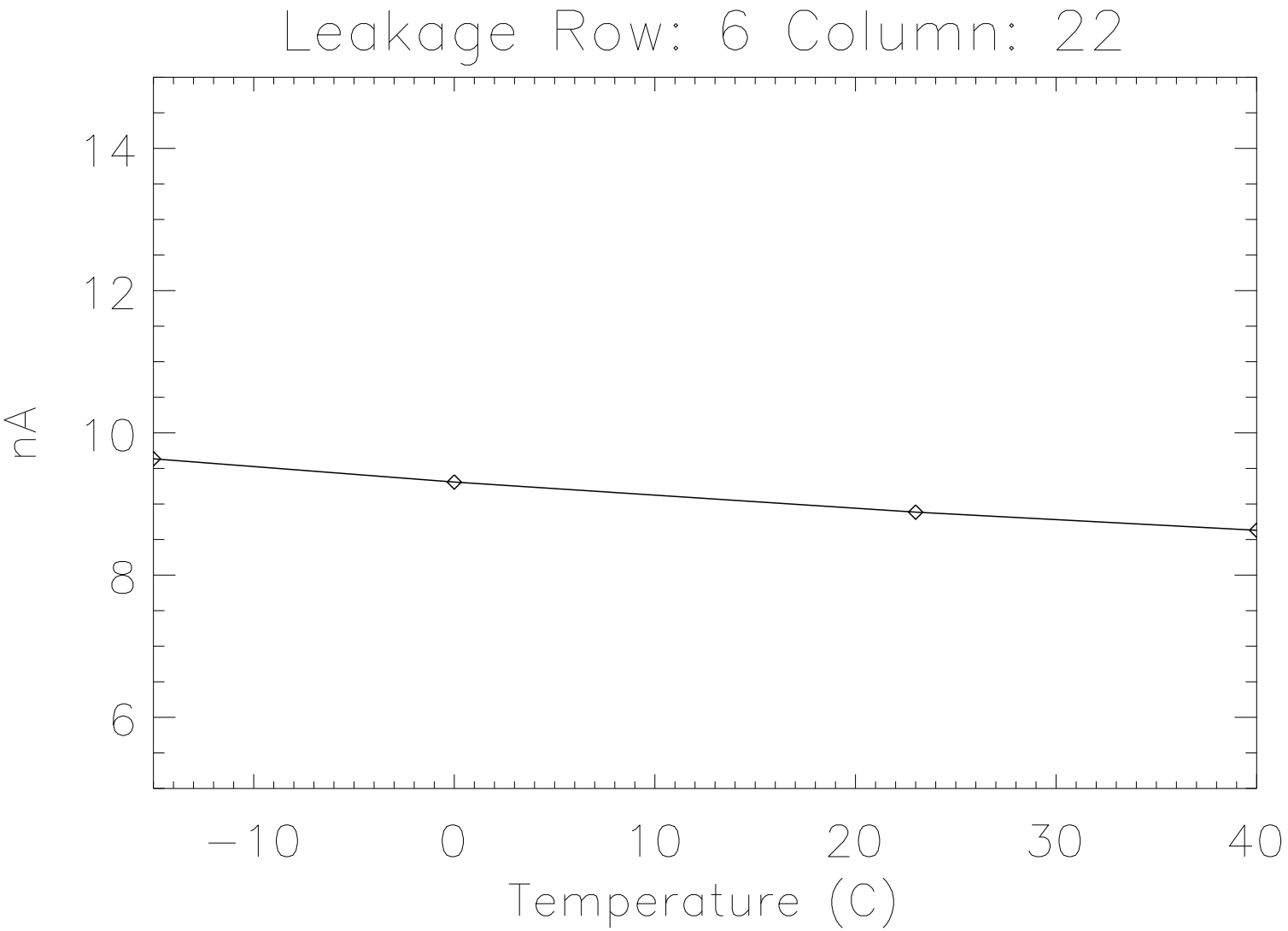
Temperature (C)


Leakage Row: 6 Column: 22
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8
6
nA
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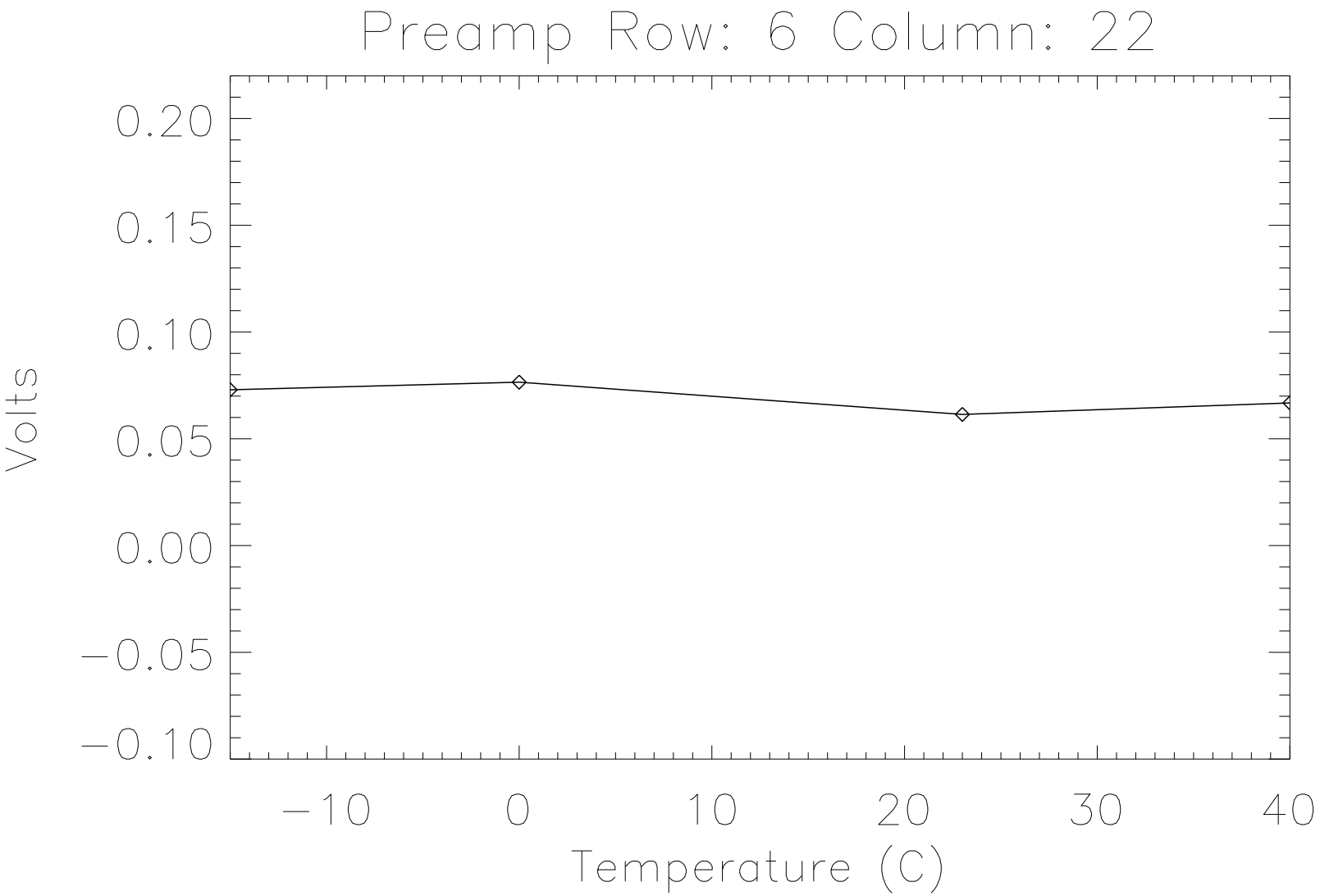
0
10
20
30
40
Temperature (C)


Preamp Row: 6 Column: 22
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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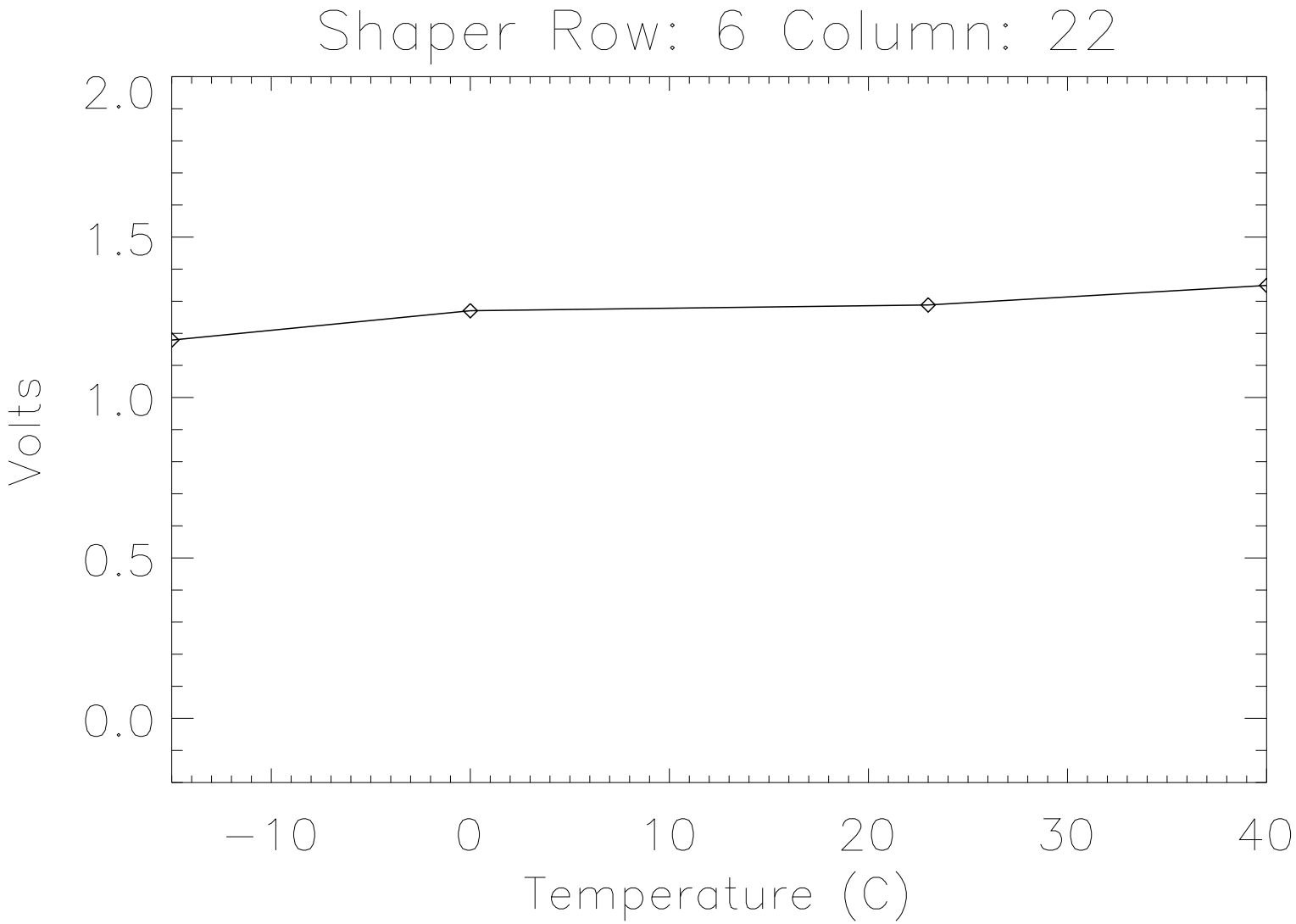
20
30
40
Temperature (C)


Shaper Row: 6 Column: 22
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1.5
1.0
0.5
0.0
Volts
−10
0
10
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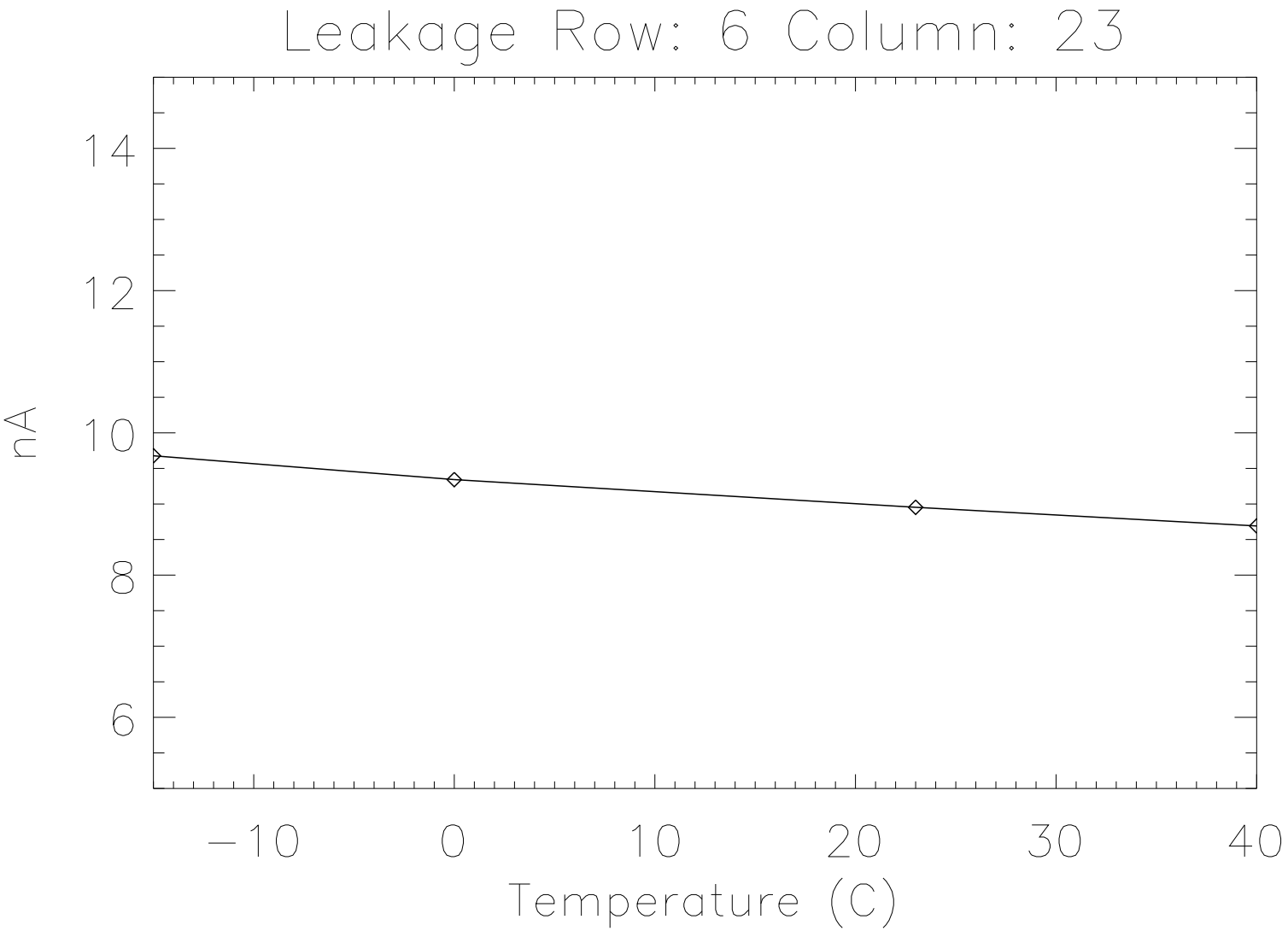
30
40
Temperature (C)


Leakage Row: 6 Column: 23
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8
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nA
−10
0
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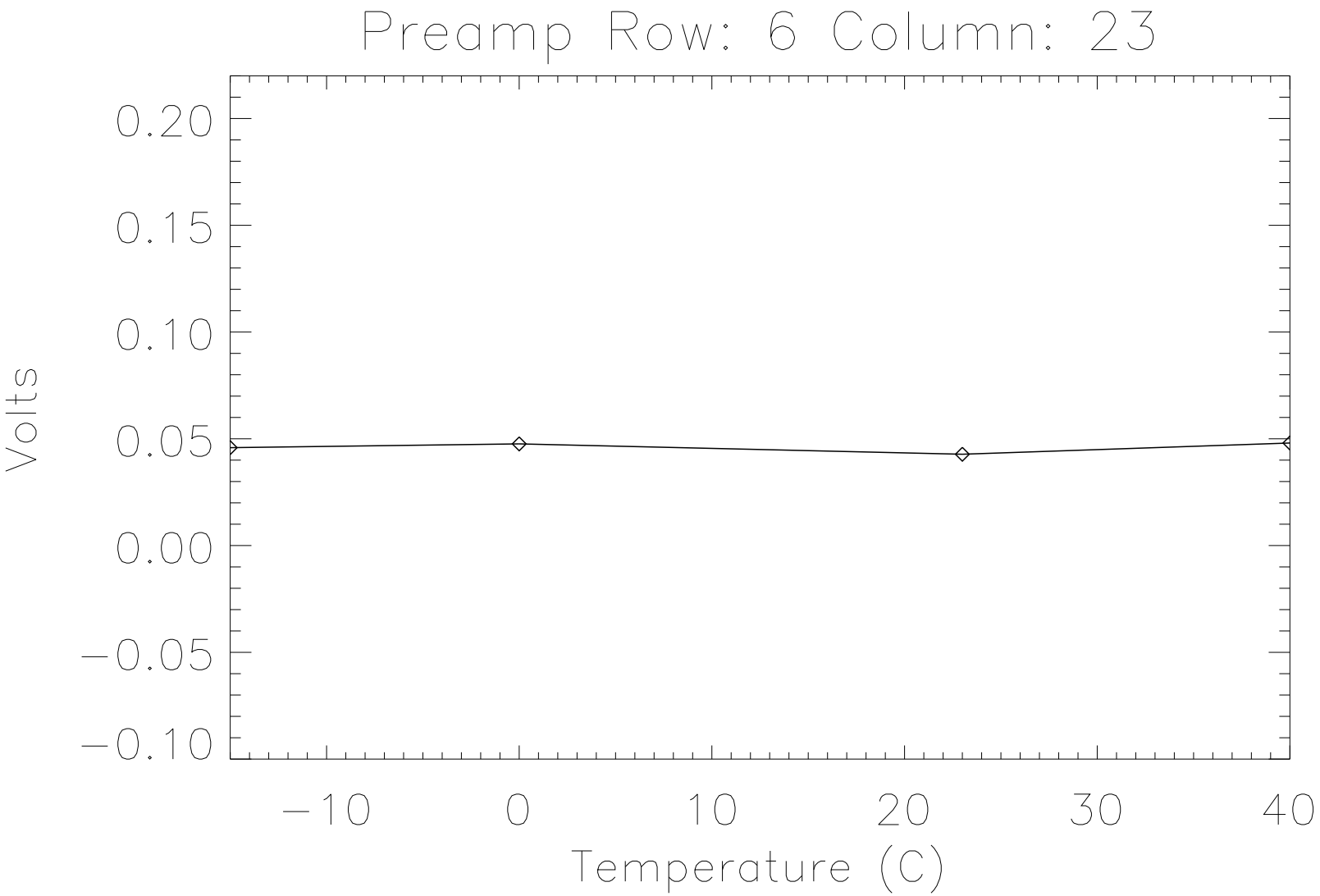
30
40
Temperature (C)


Preamp Row: 6 Column: 23
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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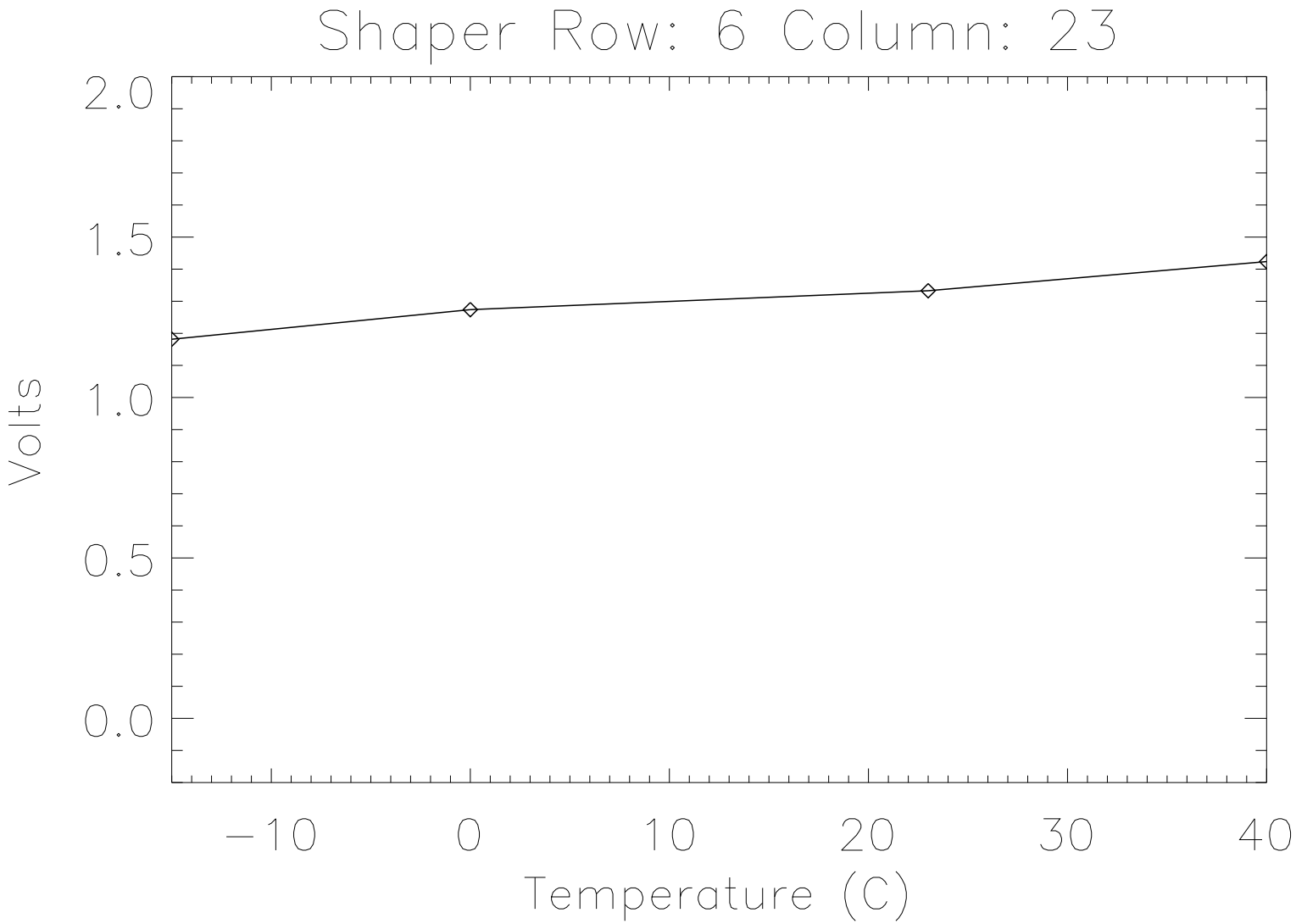
20
30
40
Temperature (C)


Shaper Row: 6 Column: 23
2.0
1.5
1.0
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0.0
Volts
−10
0
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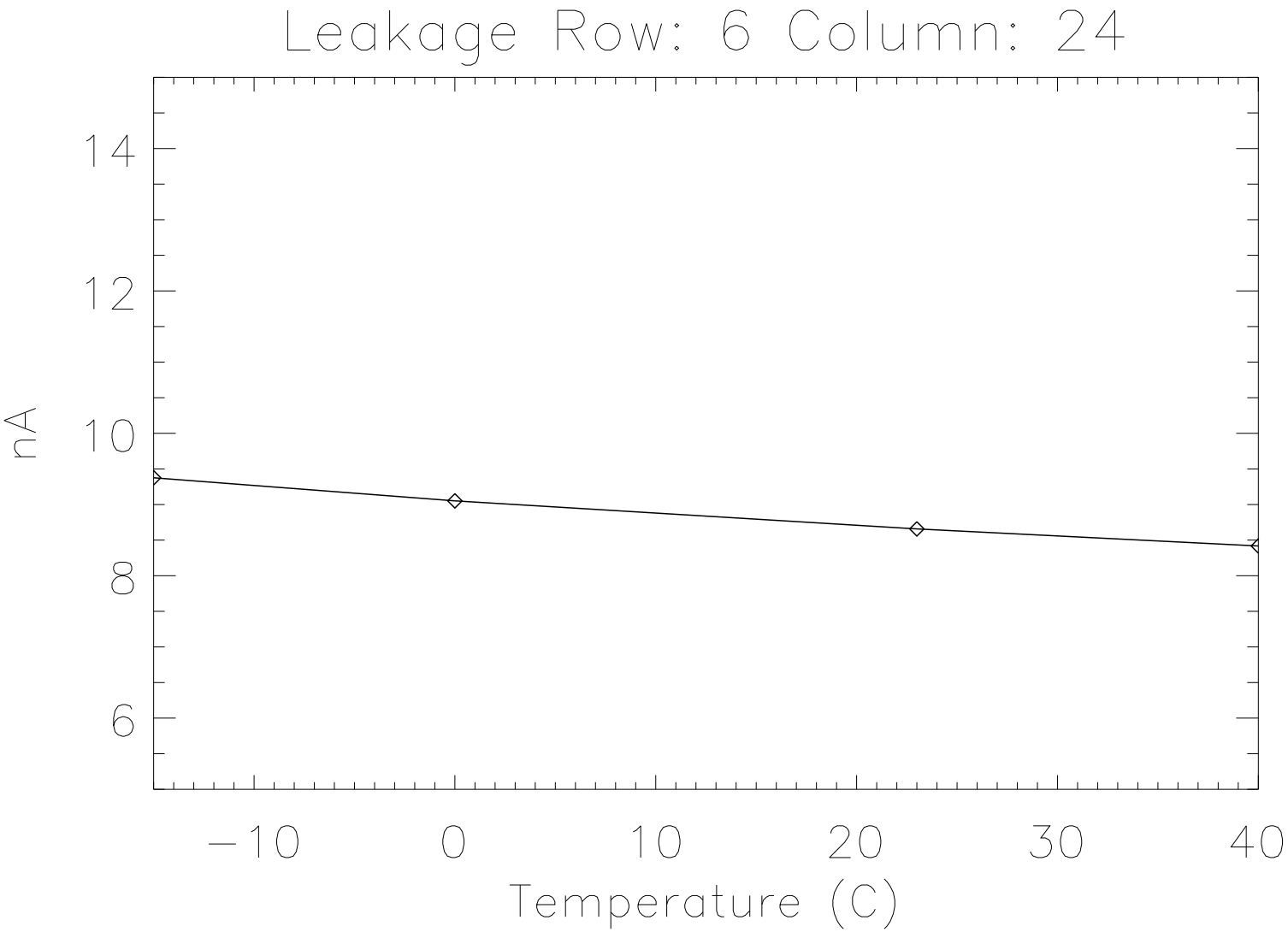
30
40
Temperature (C)


Leakage Row: 6 Column: 24
nA
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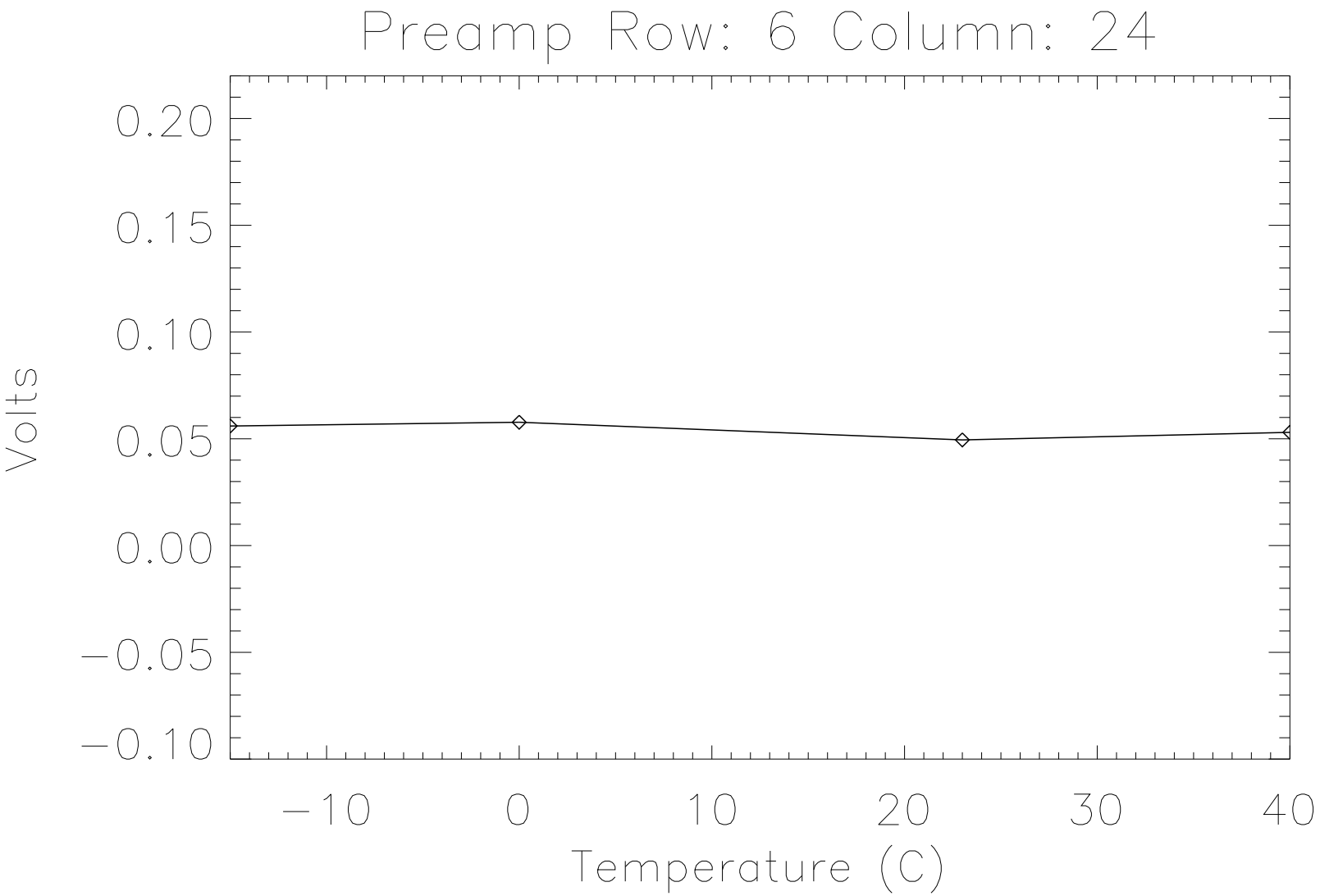
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 6 Column: 24
0.20
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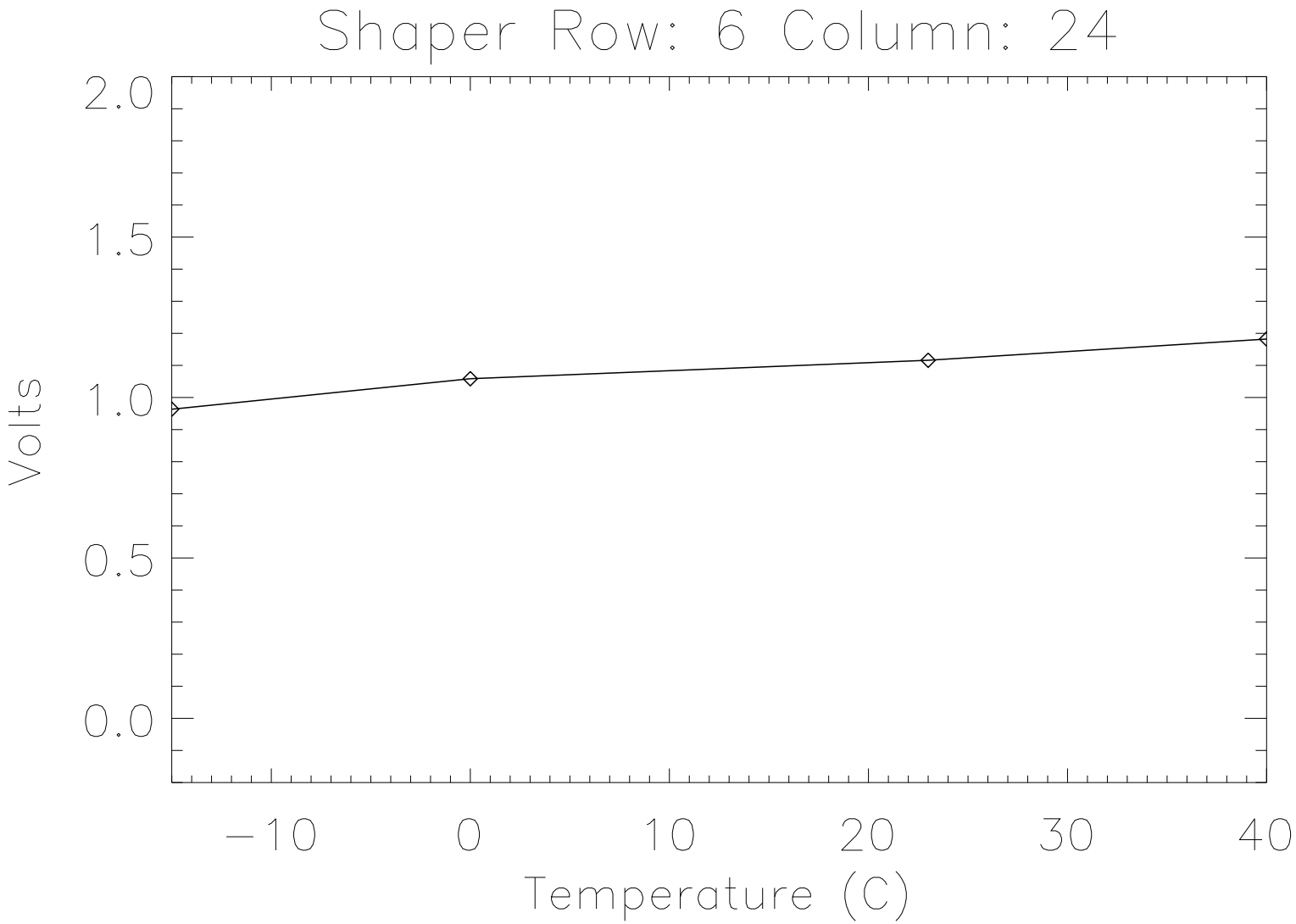
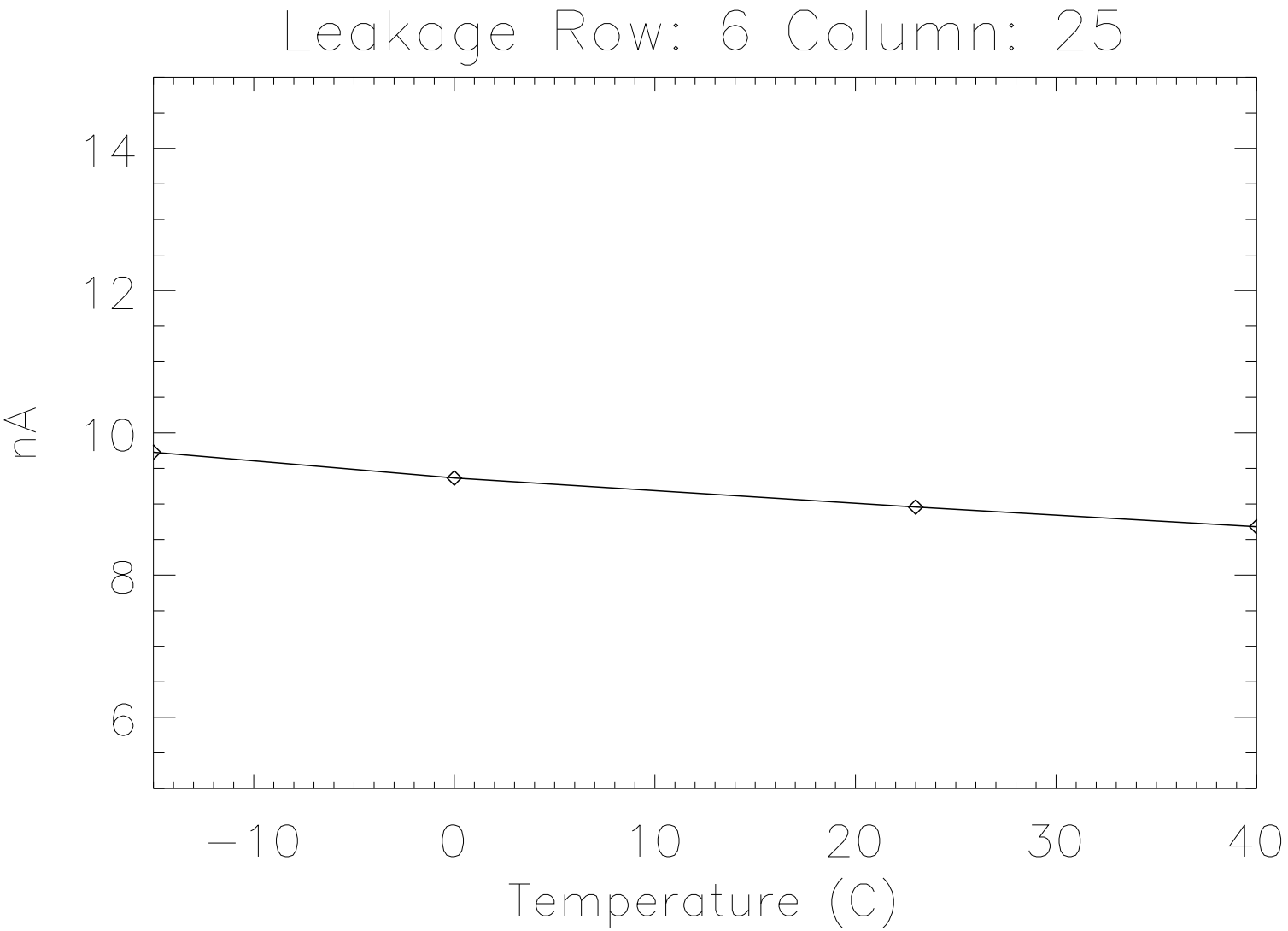
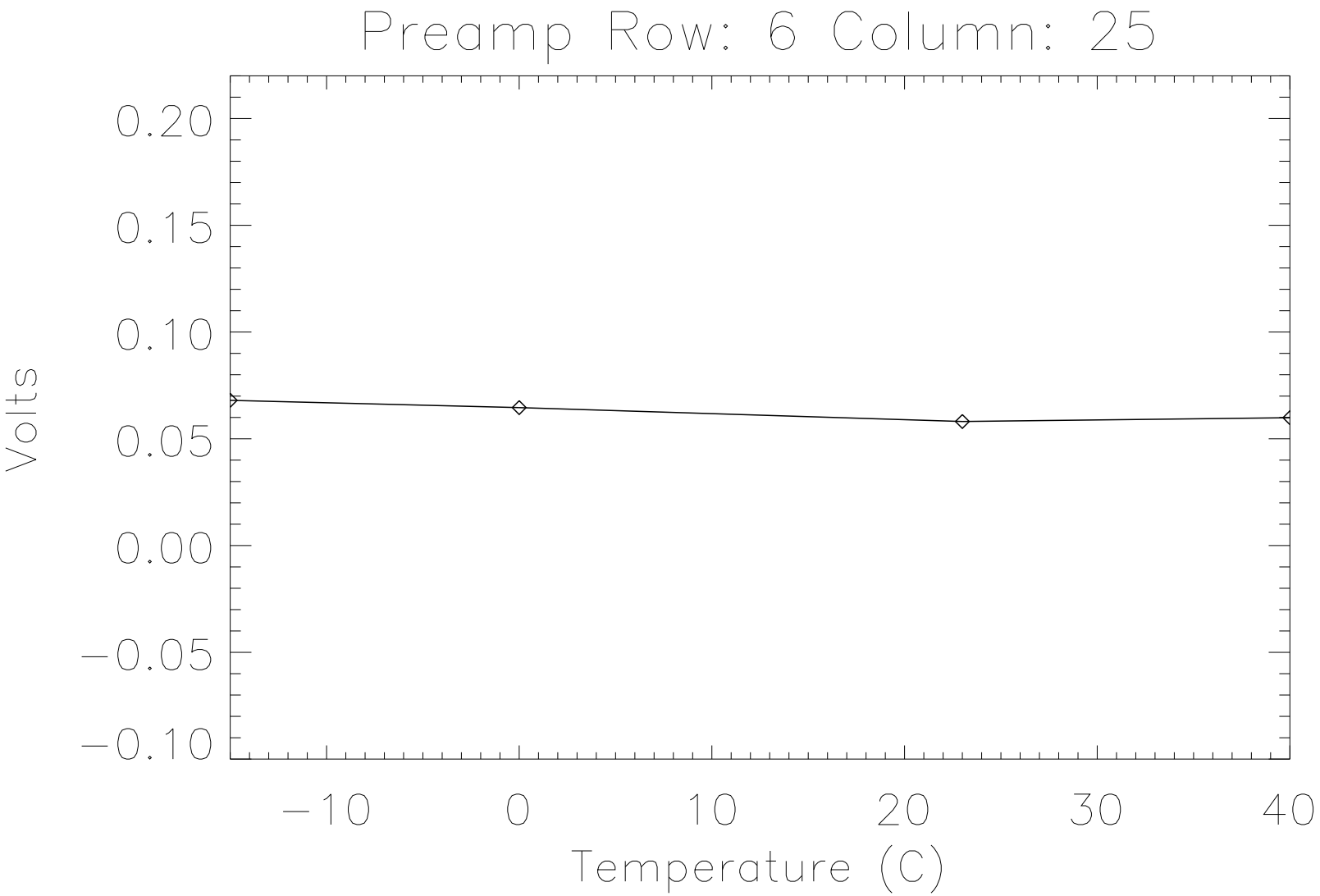
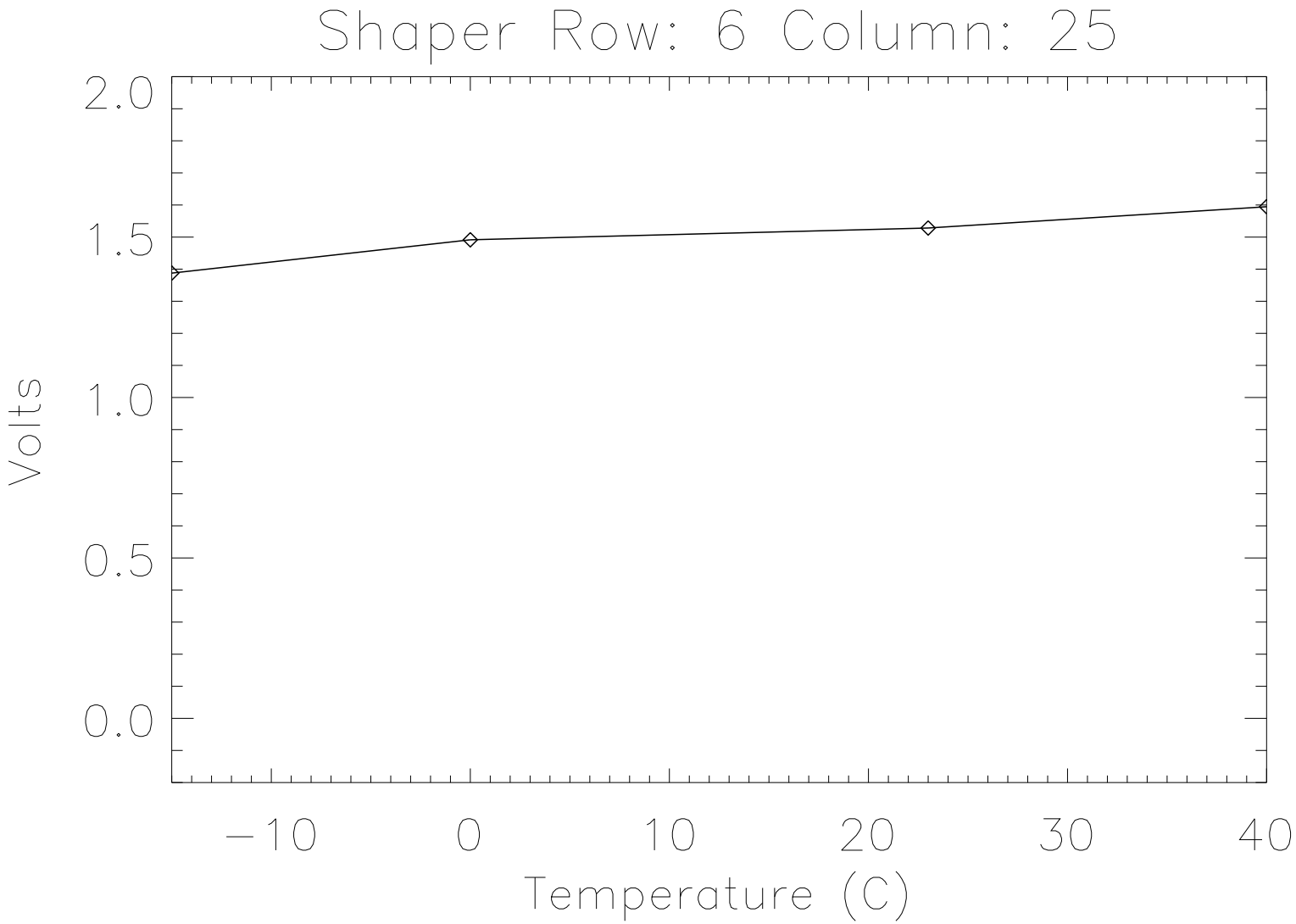
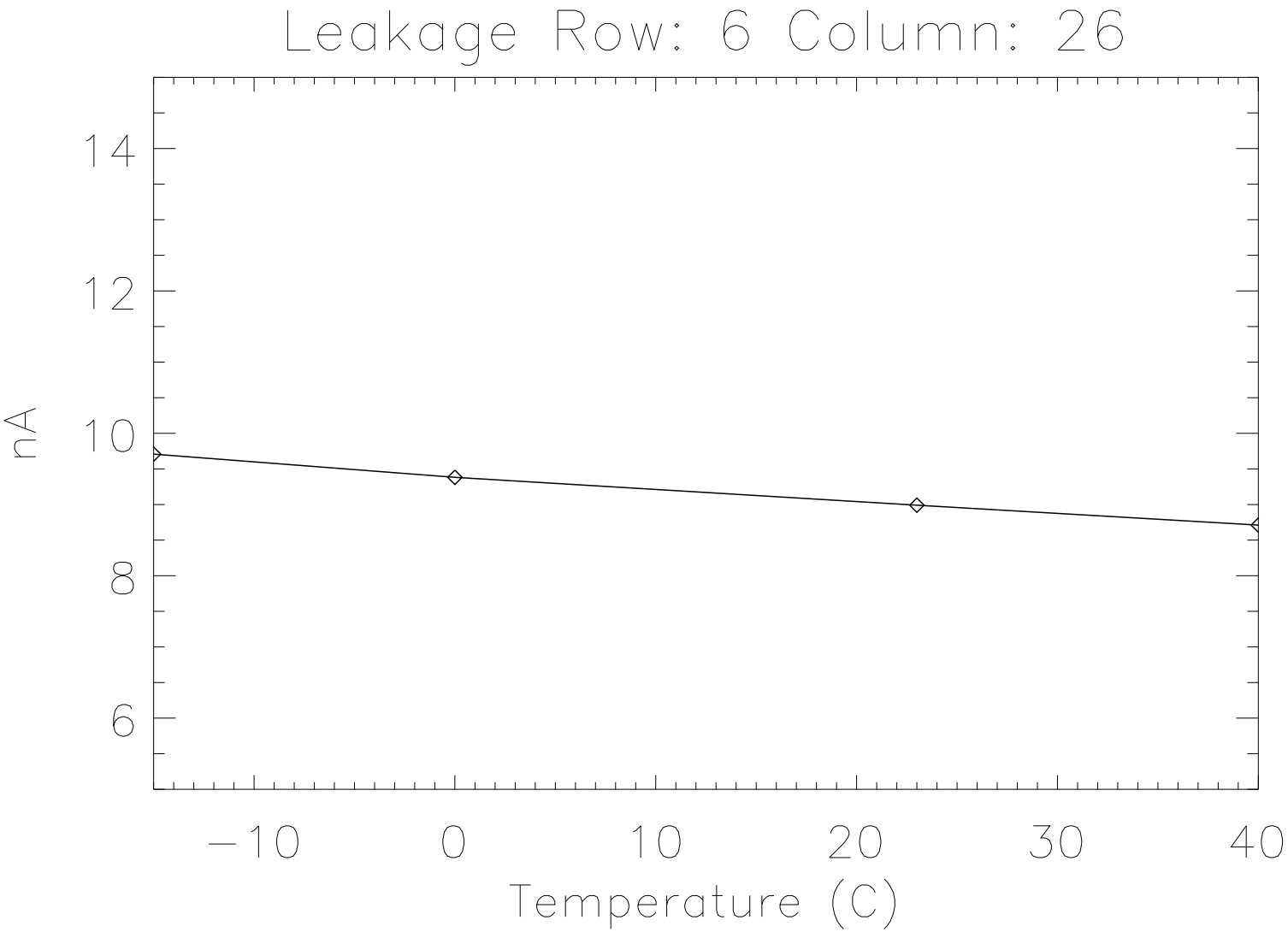
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

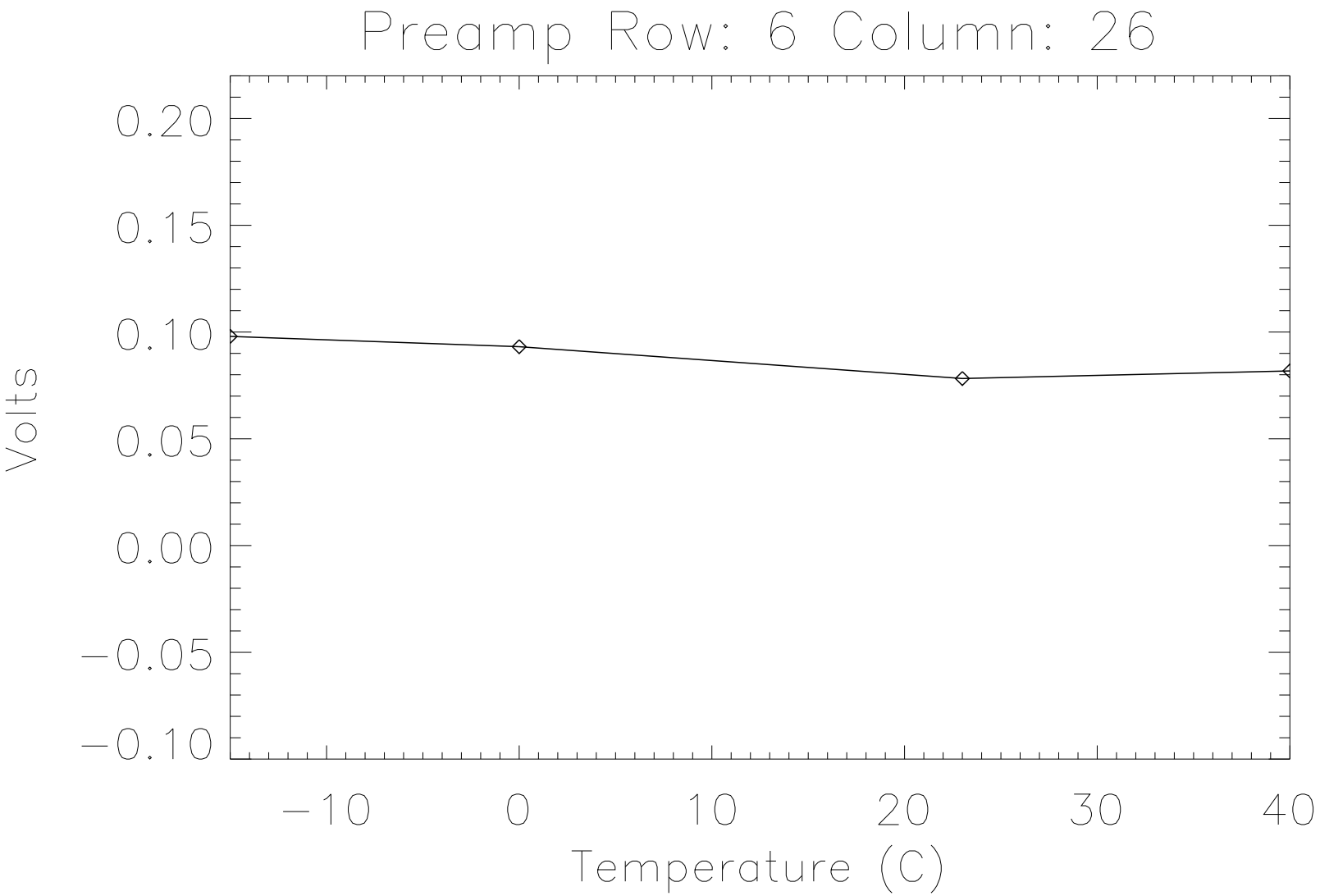

Shaper Row: 6 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

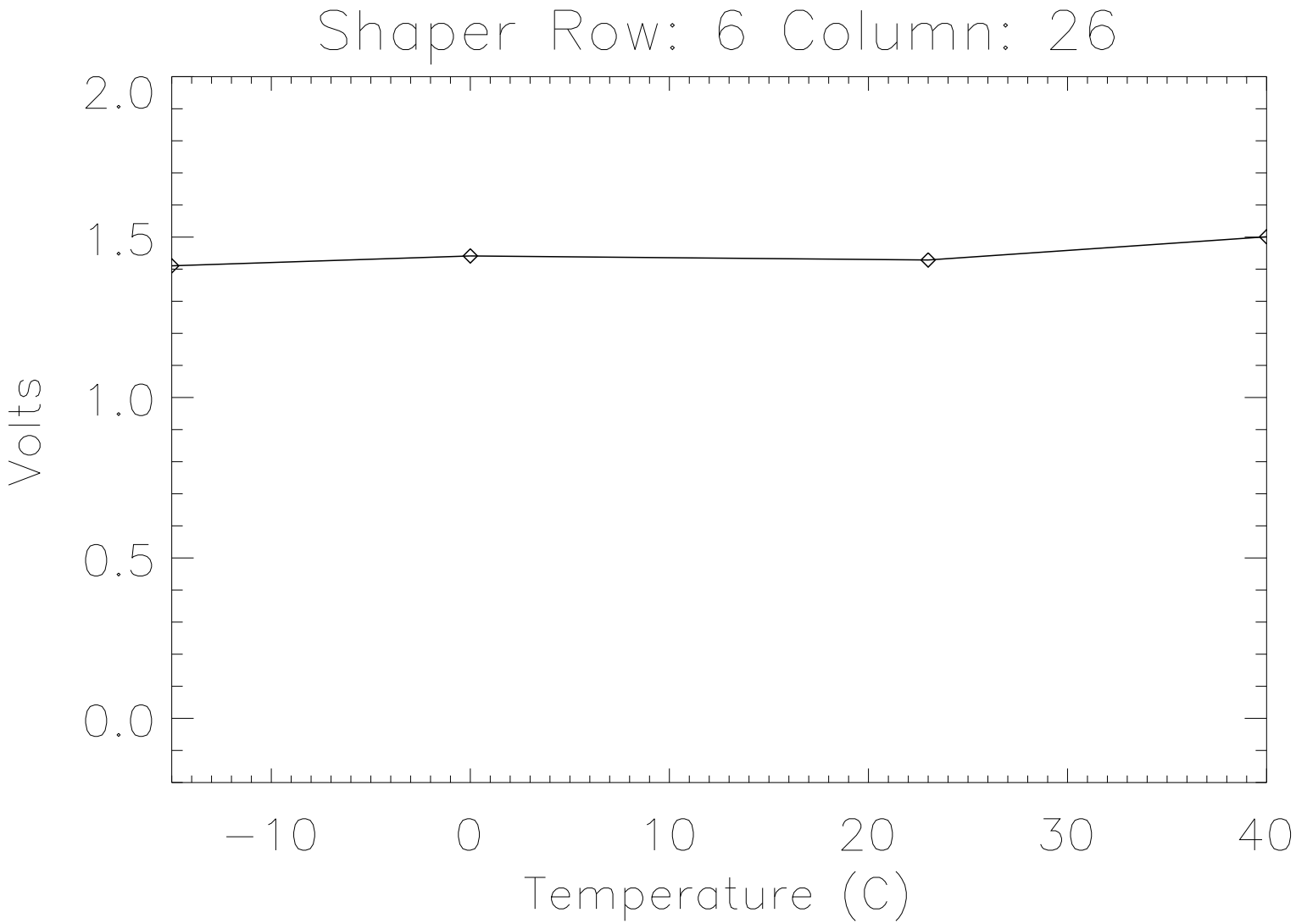

Leakage Row: 6 Column: 25
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

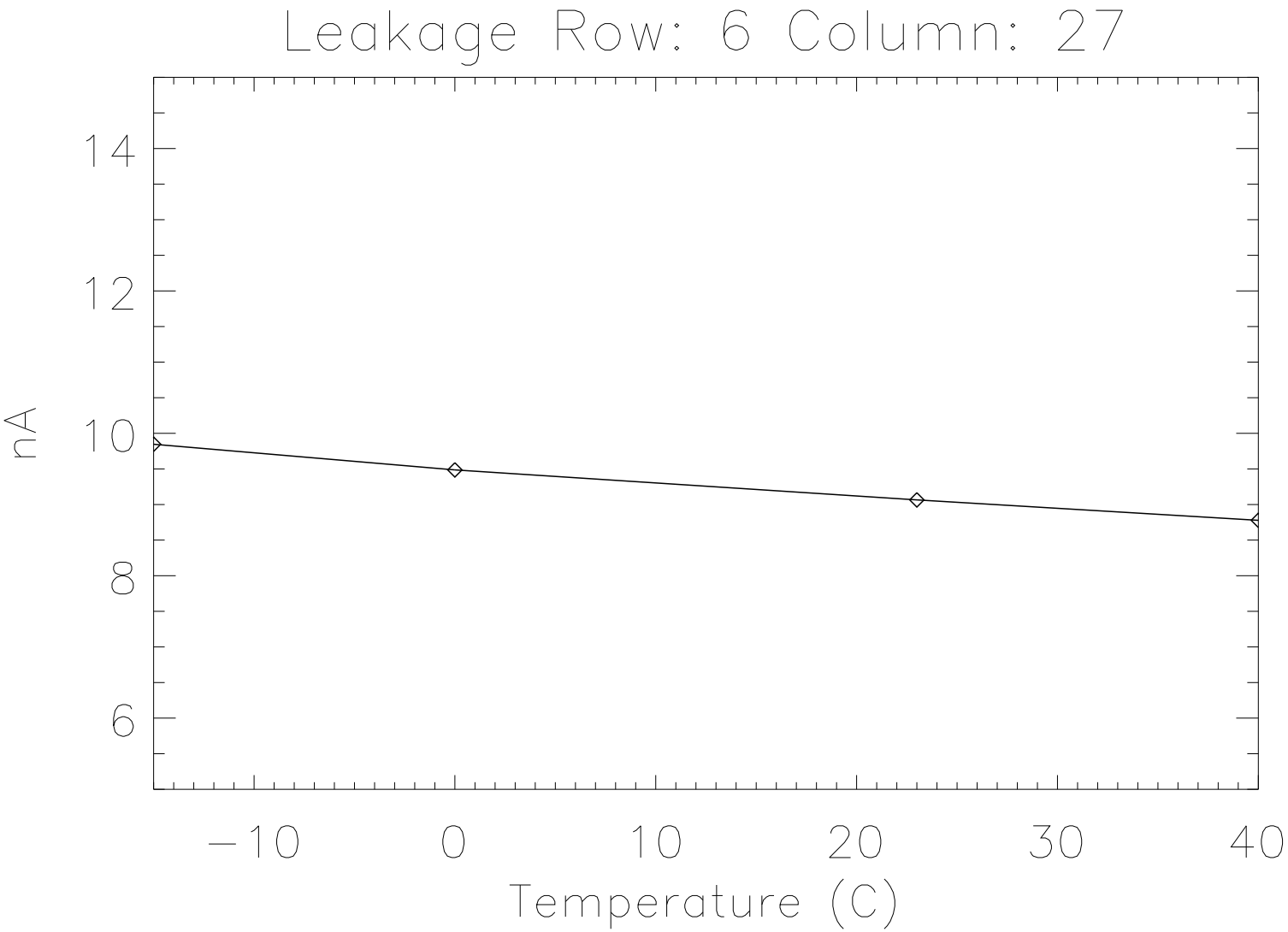

Preamp Row: 6 Column: 25
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

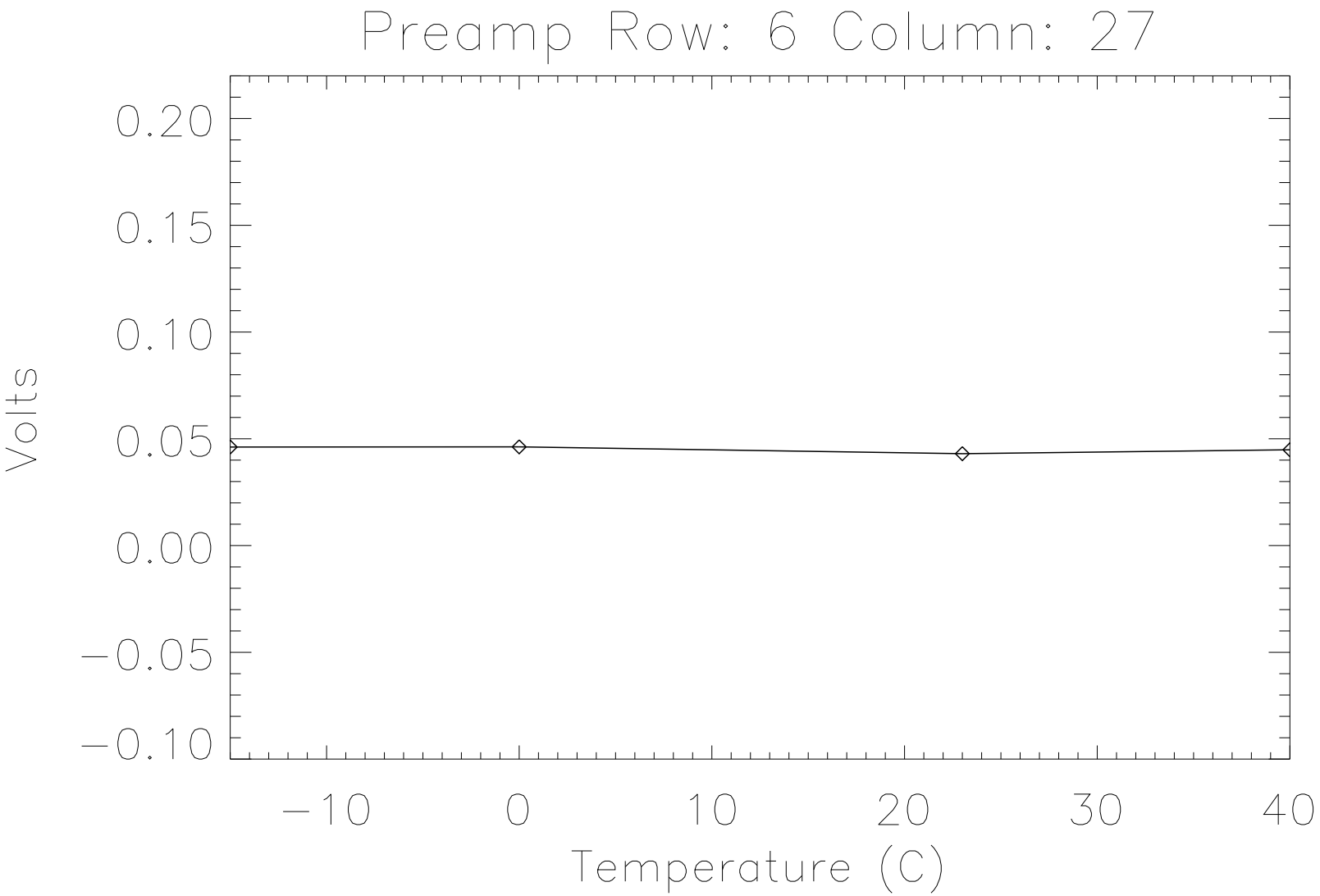

Shaper Row: 6 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

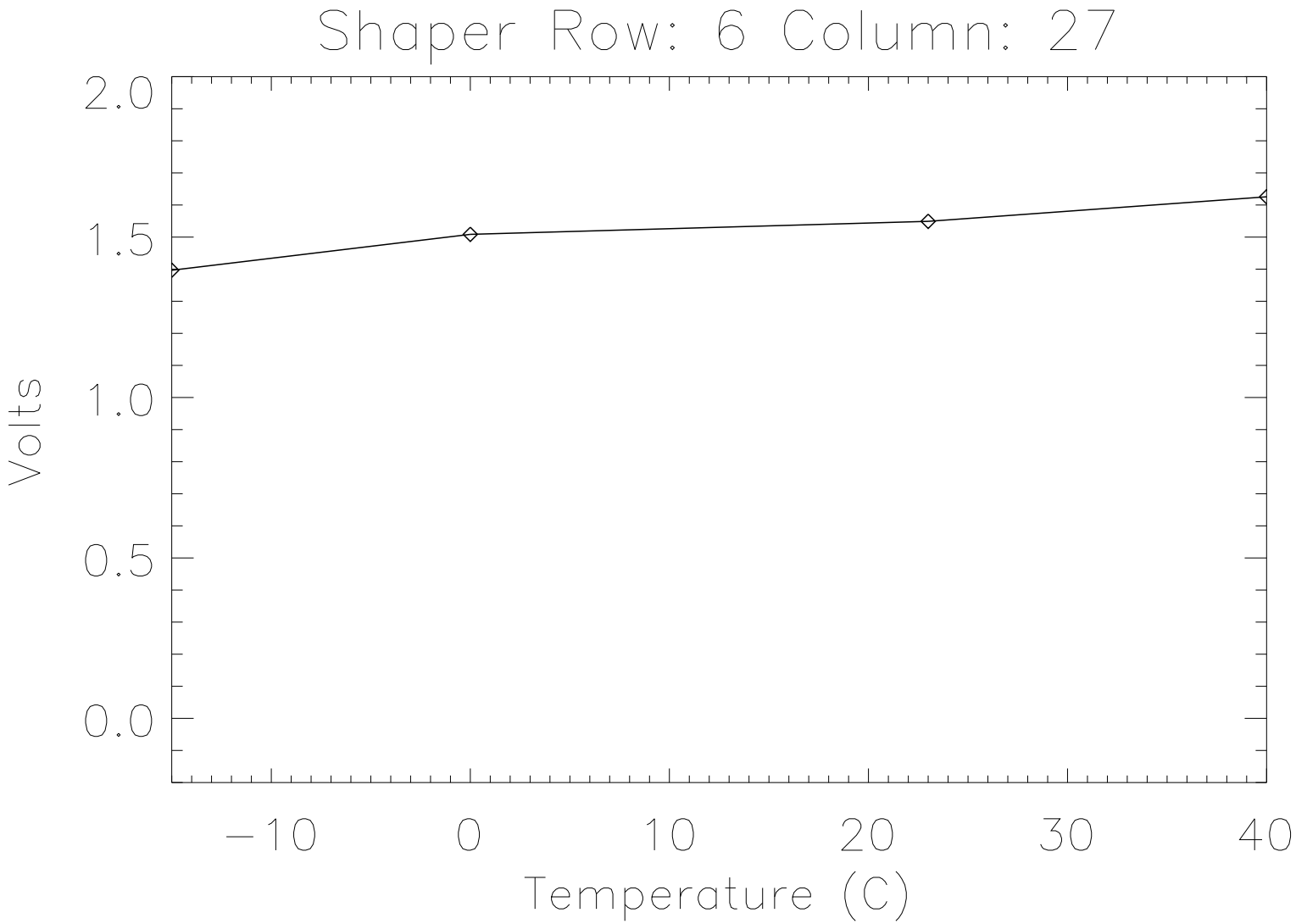

Leakage Row: 6 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

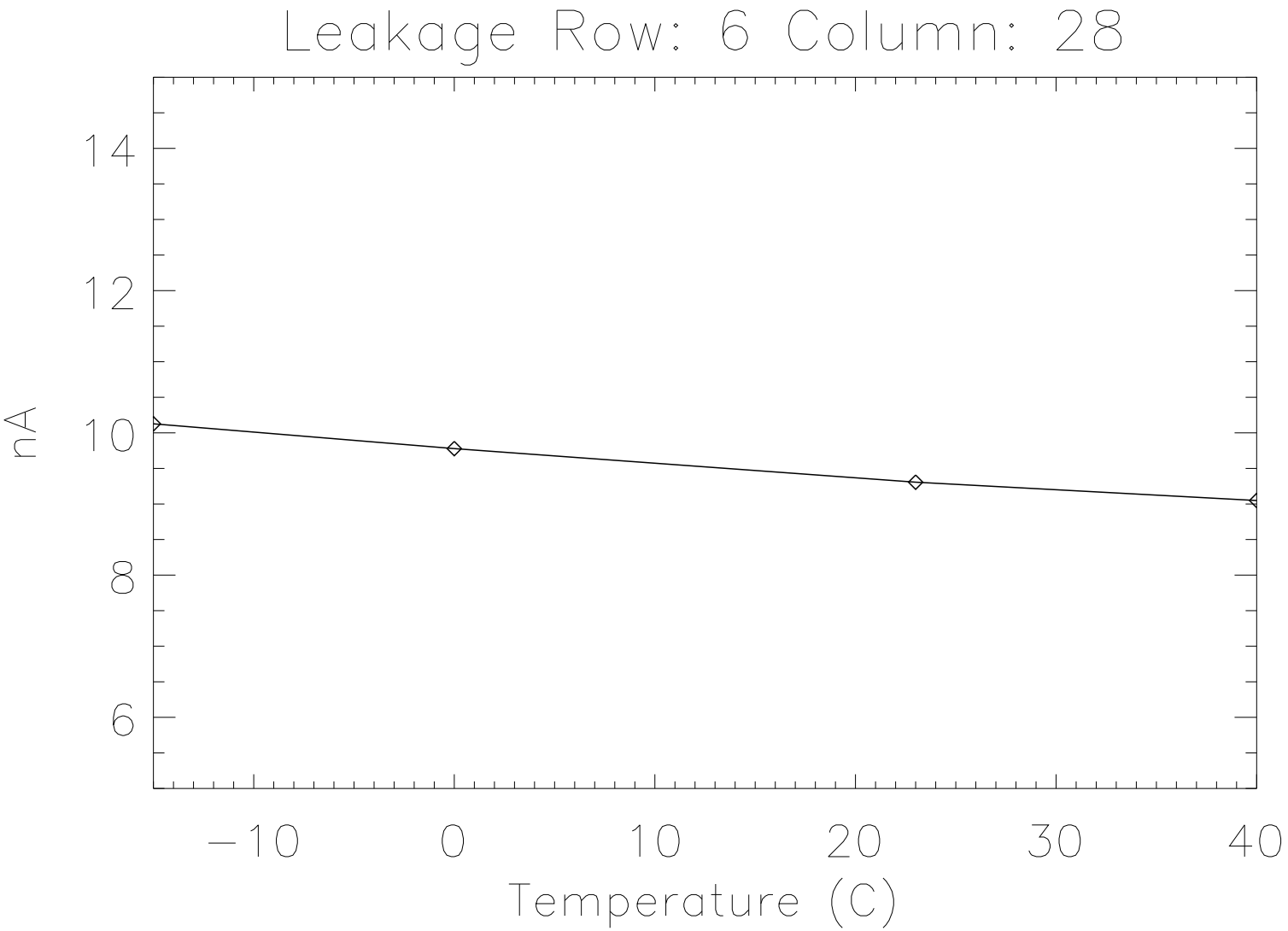

Preamp Row: 6 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

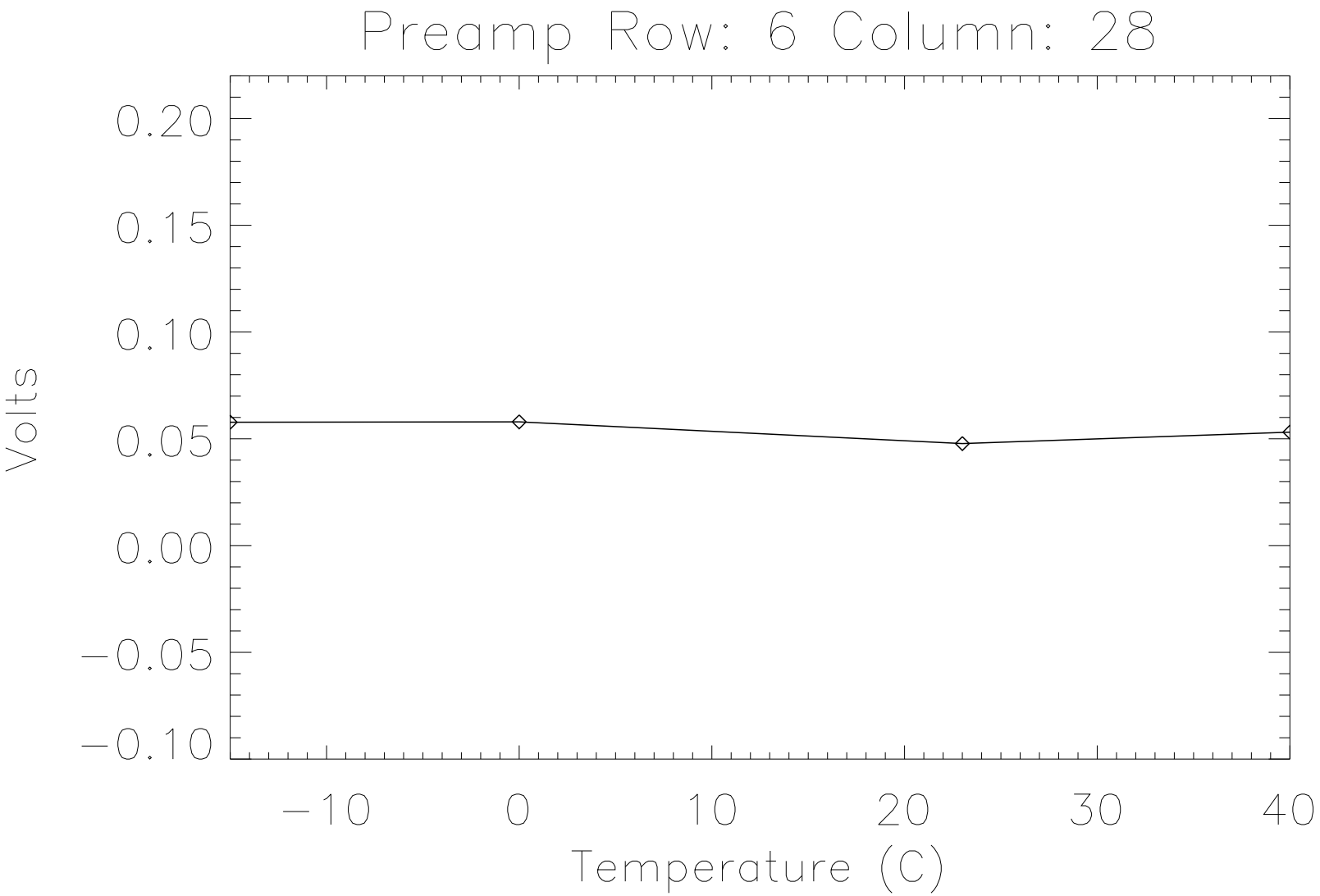

Shaper Row: 6 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

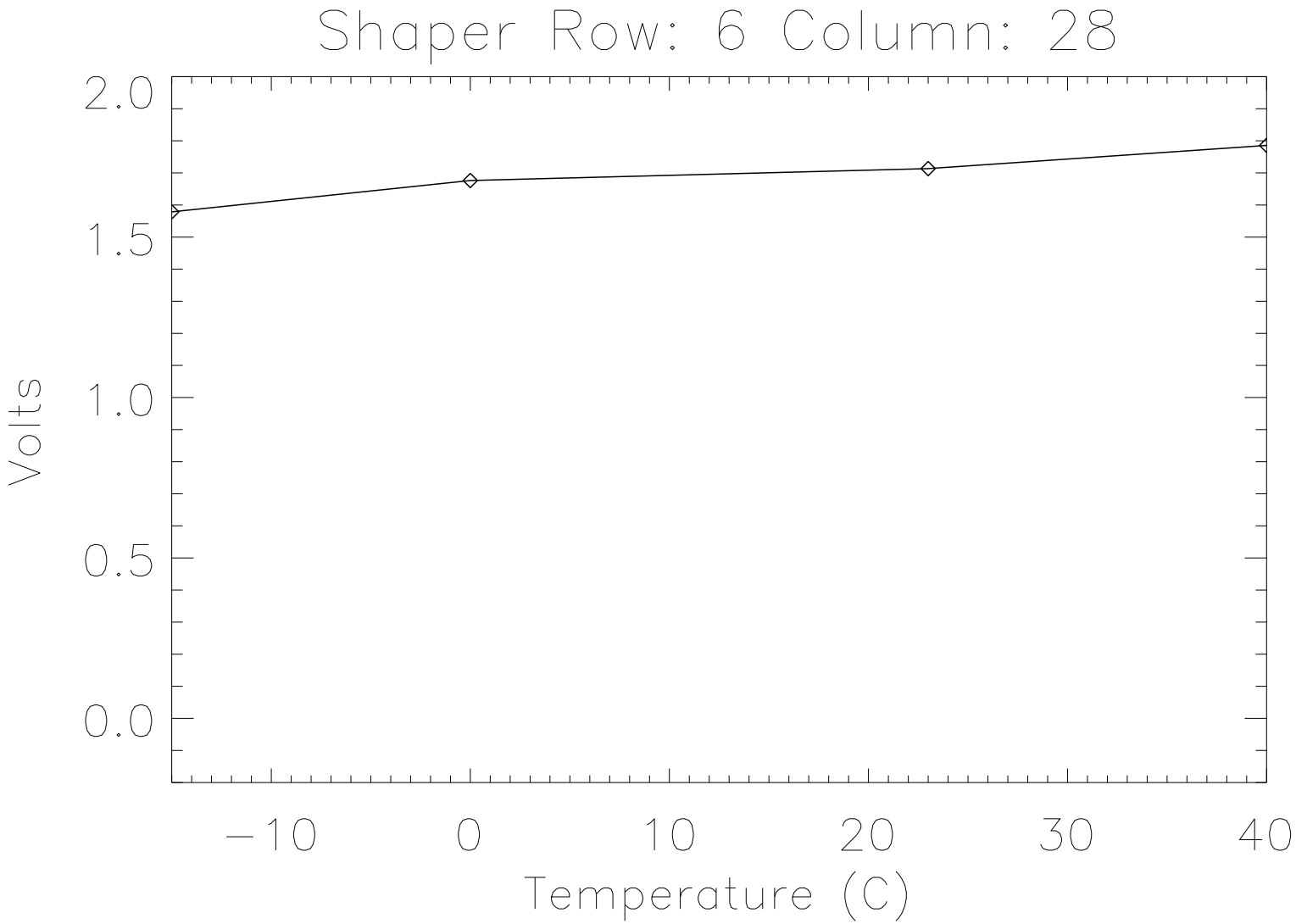

Leakage Row: 6 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

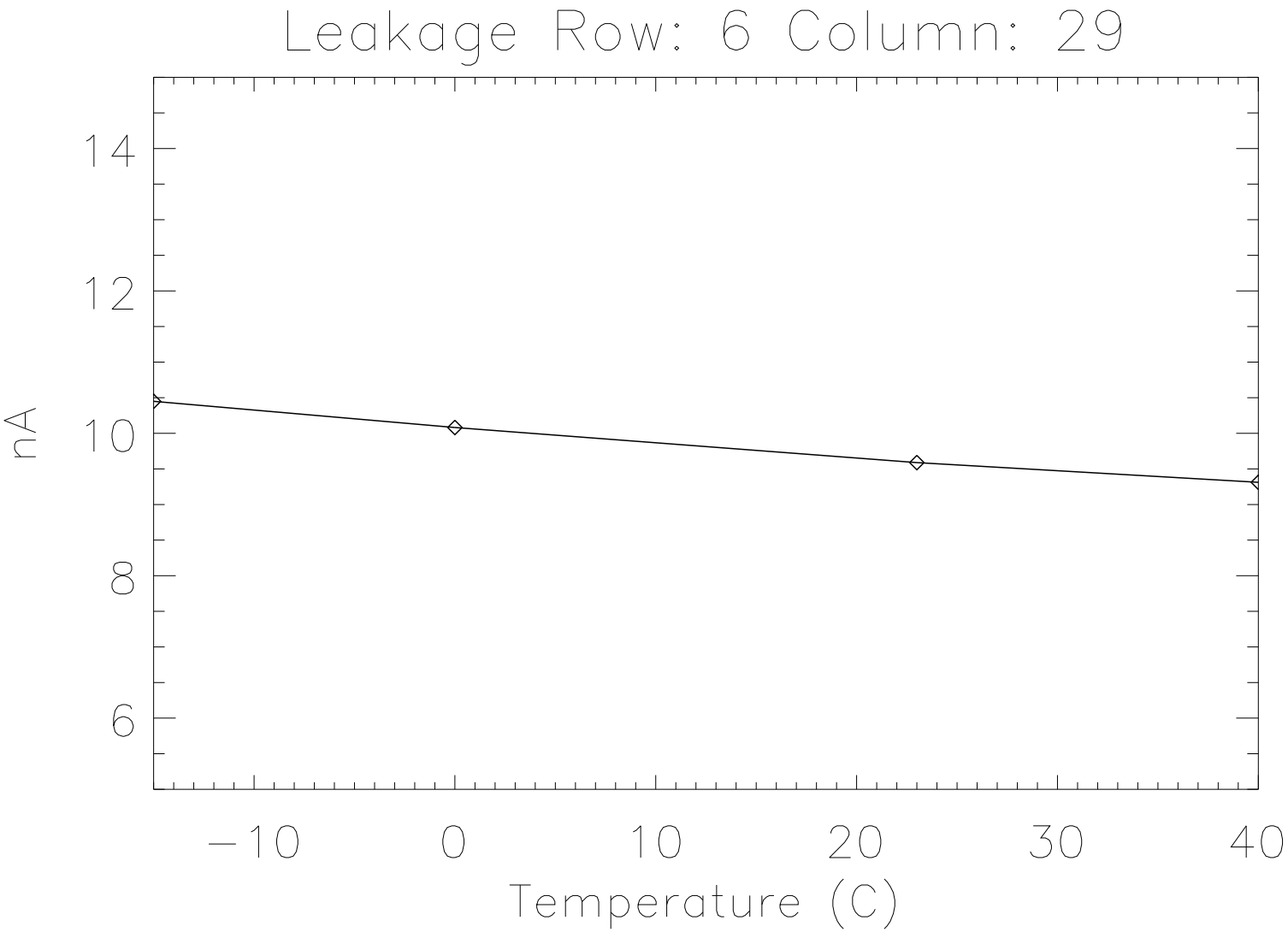

Preamp Row: 6 Column: 27
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

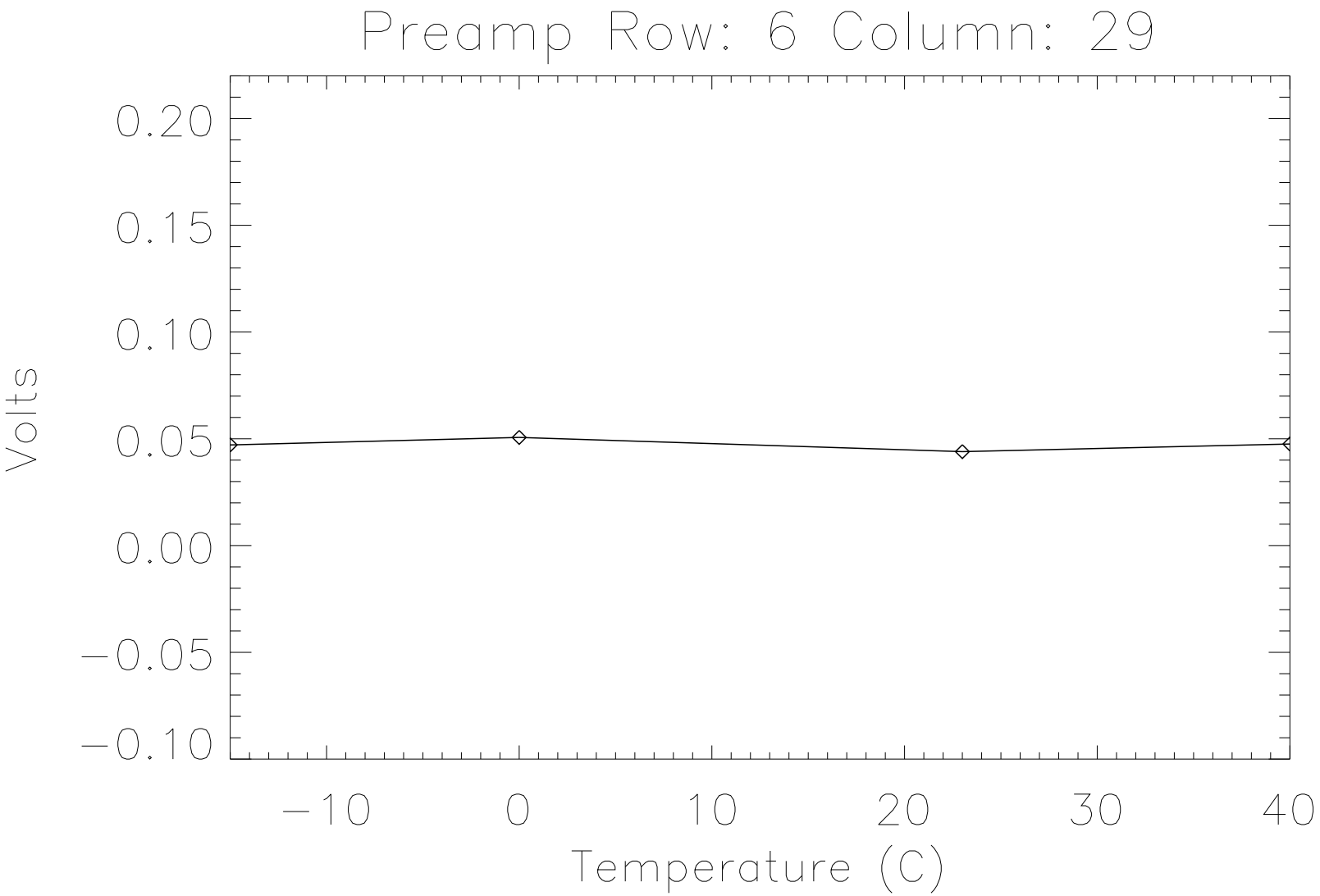

Shaper Row: 6 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

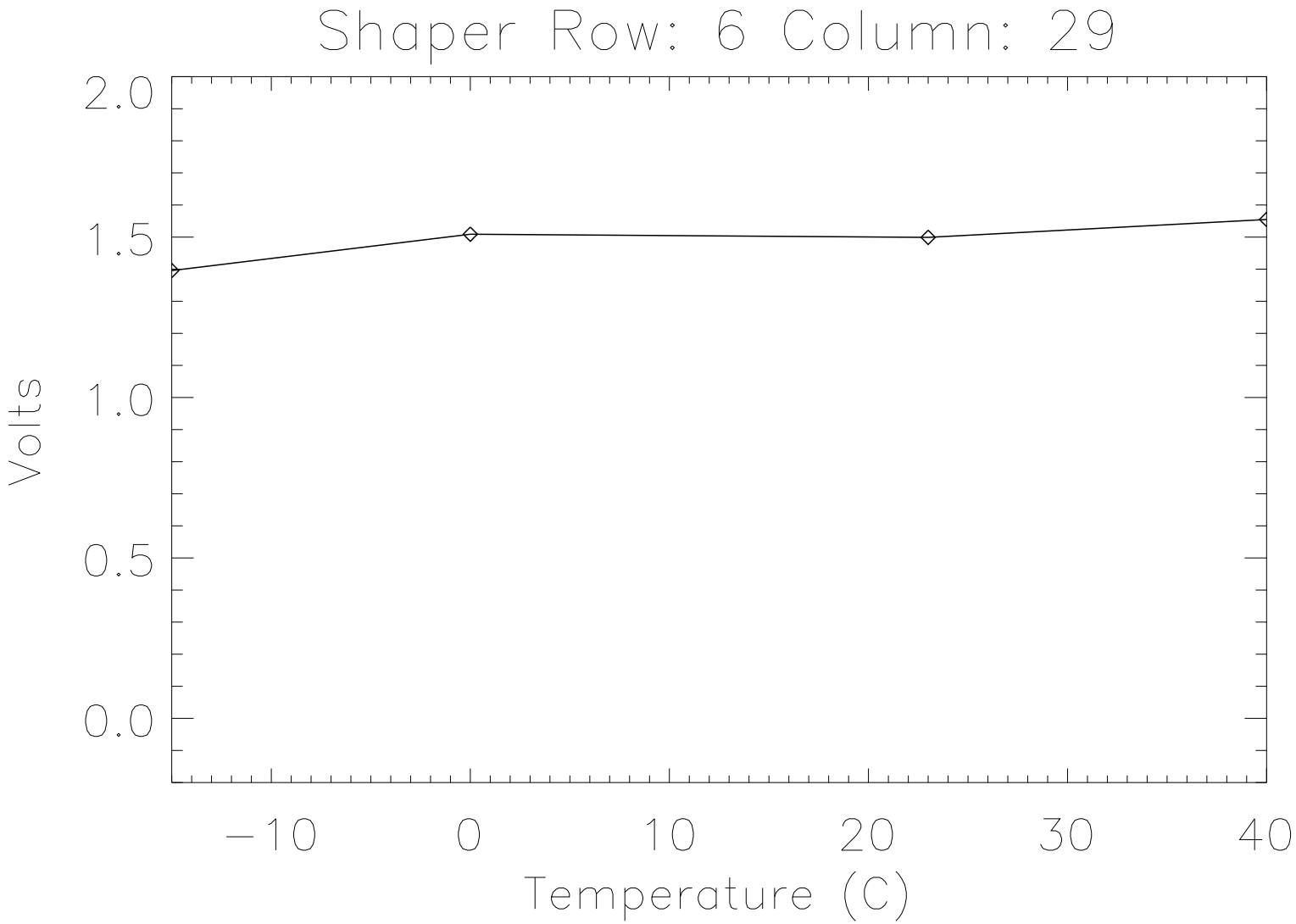

Leakage Row: 6 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

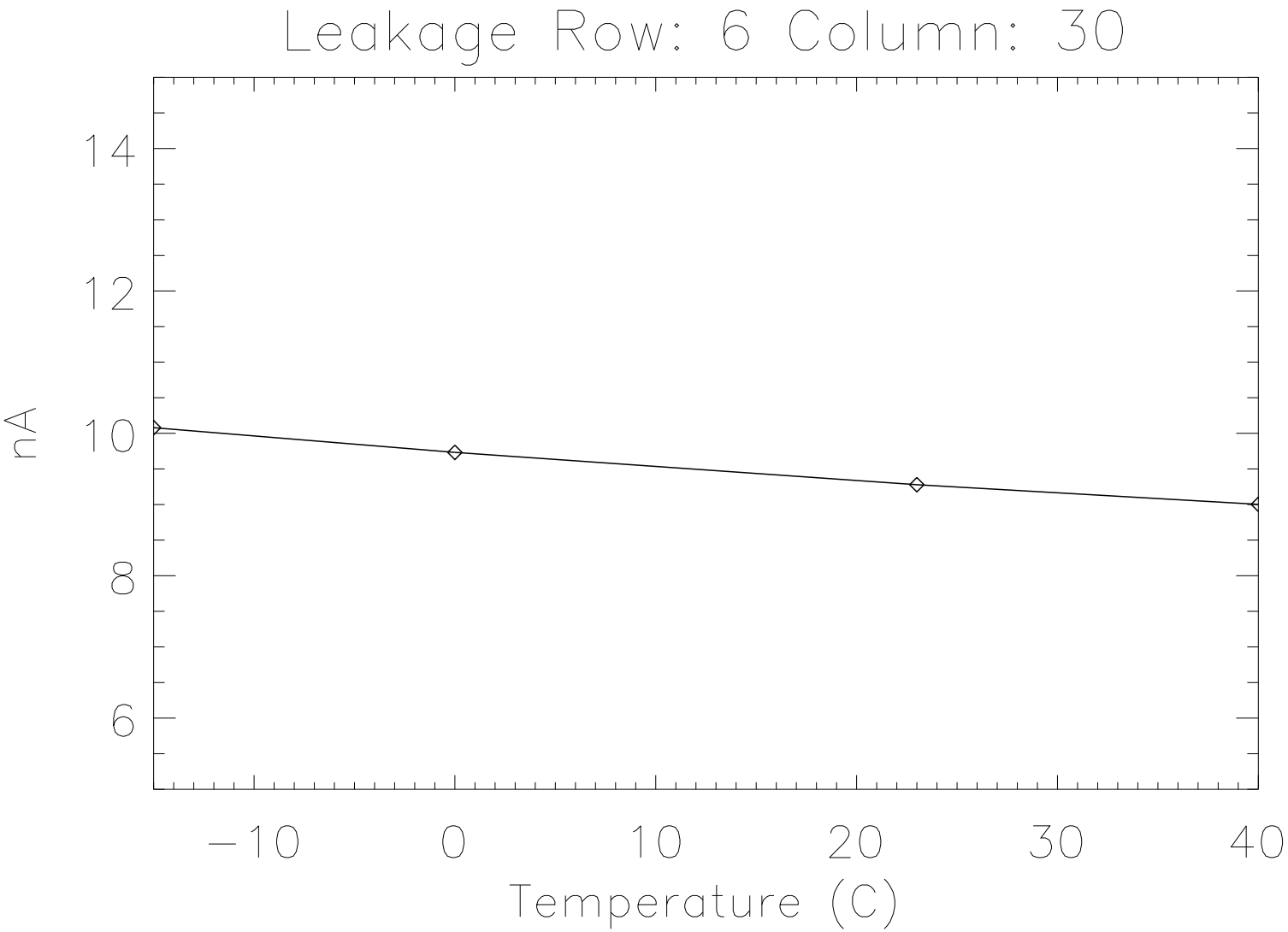

Preamp Row: 6 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

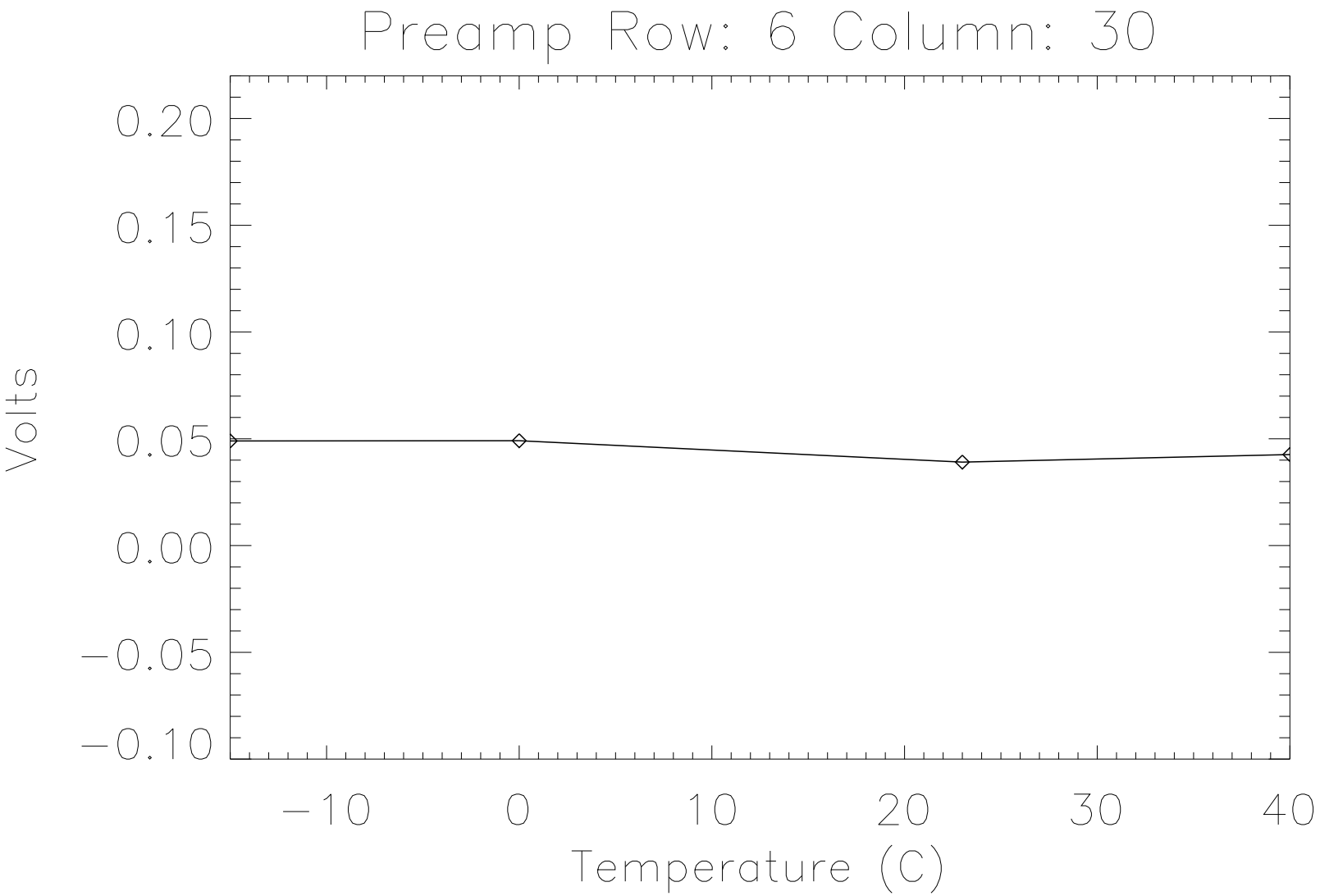

Shaper Row: 6 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

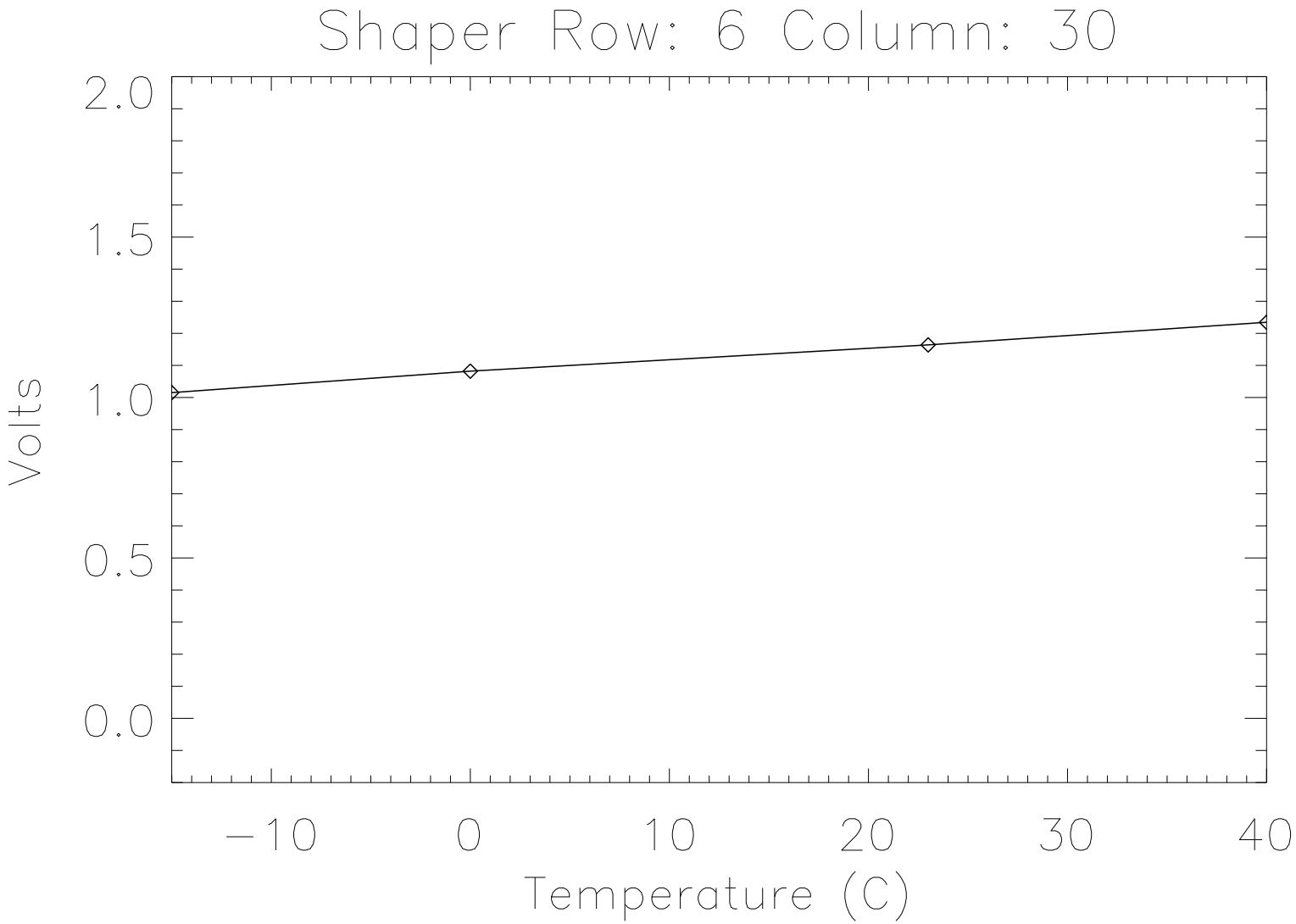

Leakage Row: 6 Column: 29
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

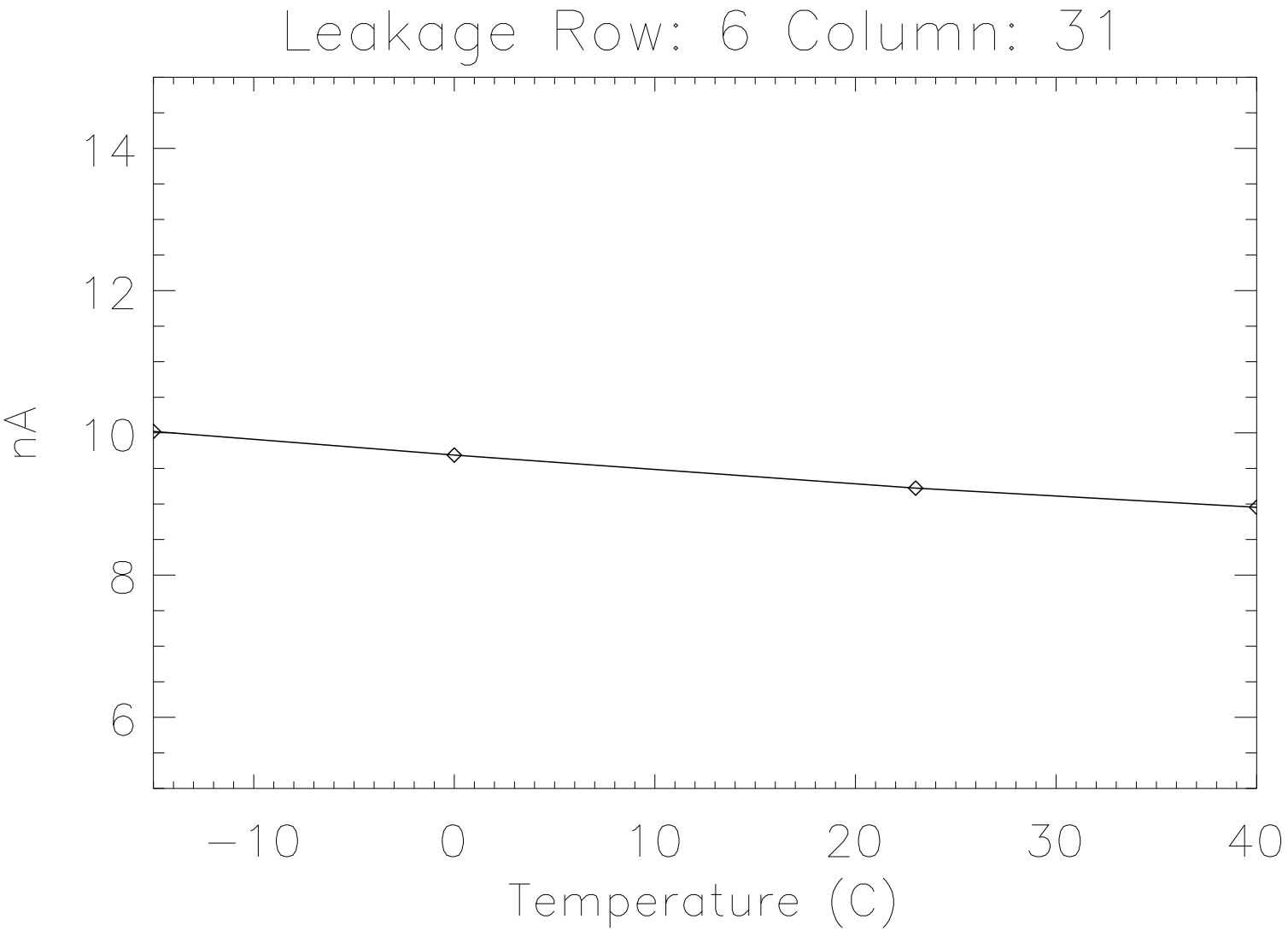

Preamp Row: 6 Column: 29
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

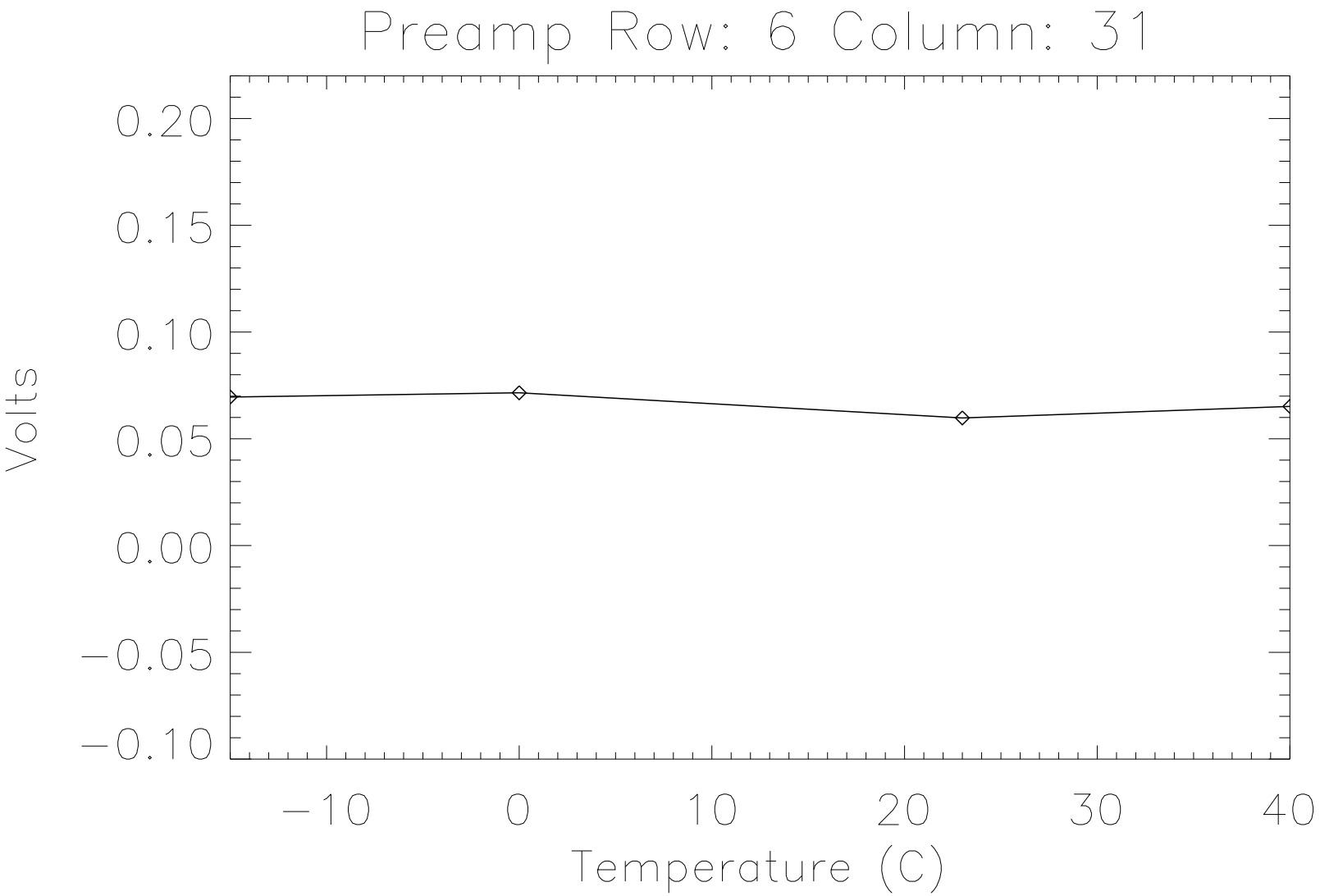

Shaper Row: 6 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

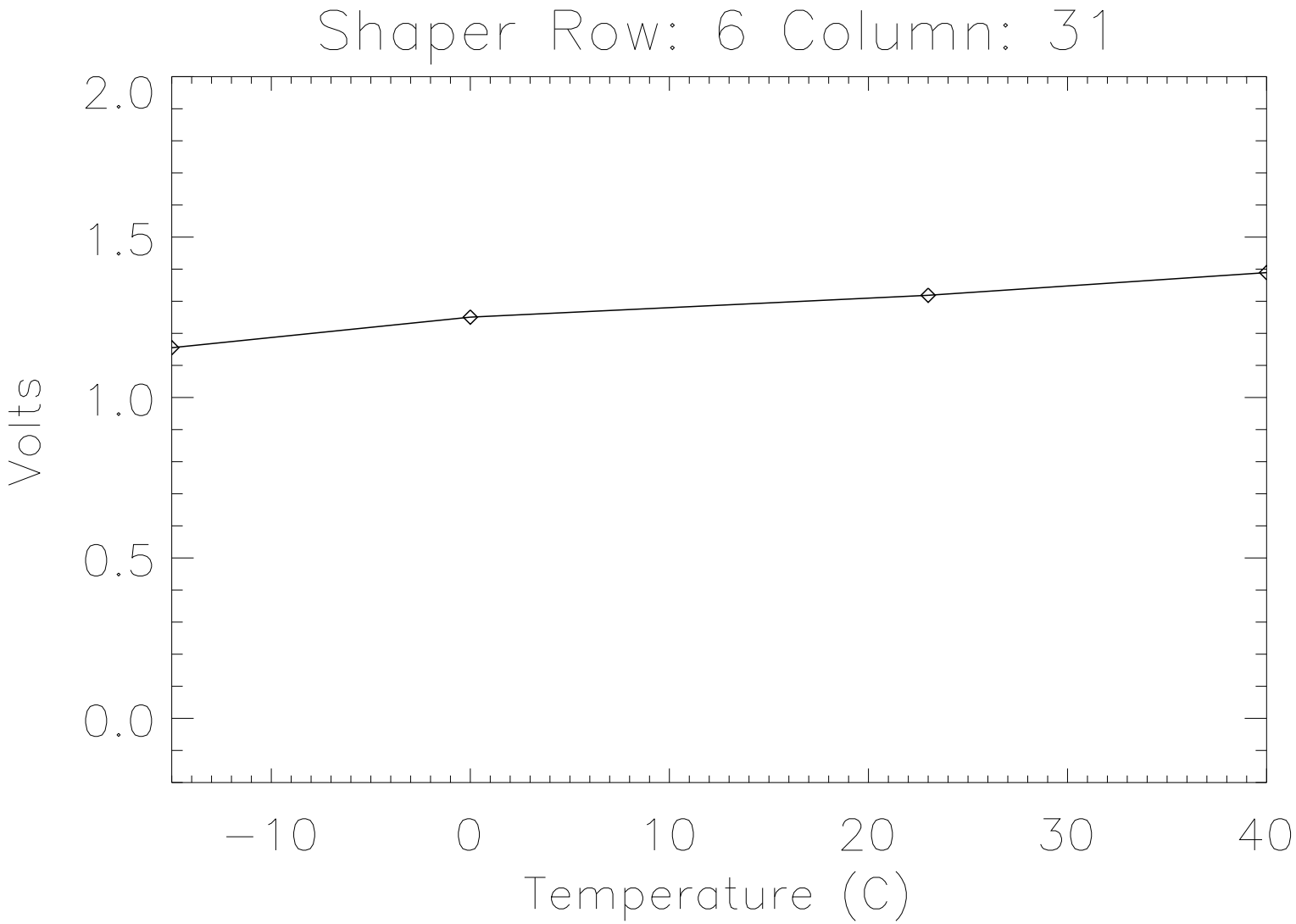

Leakage Row: 6 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

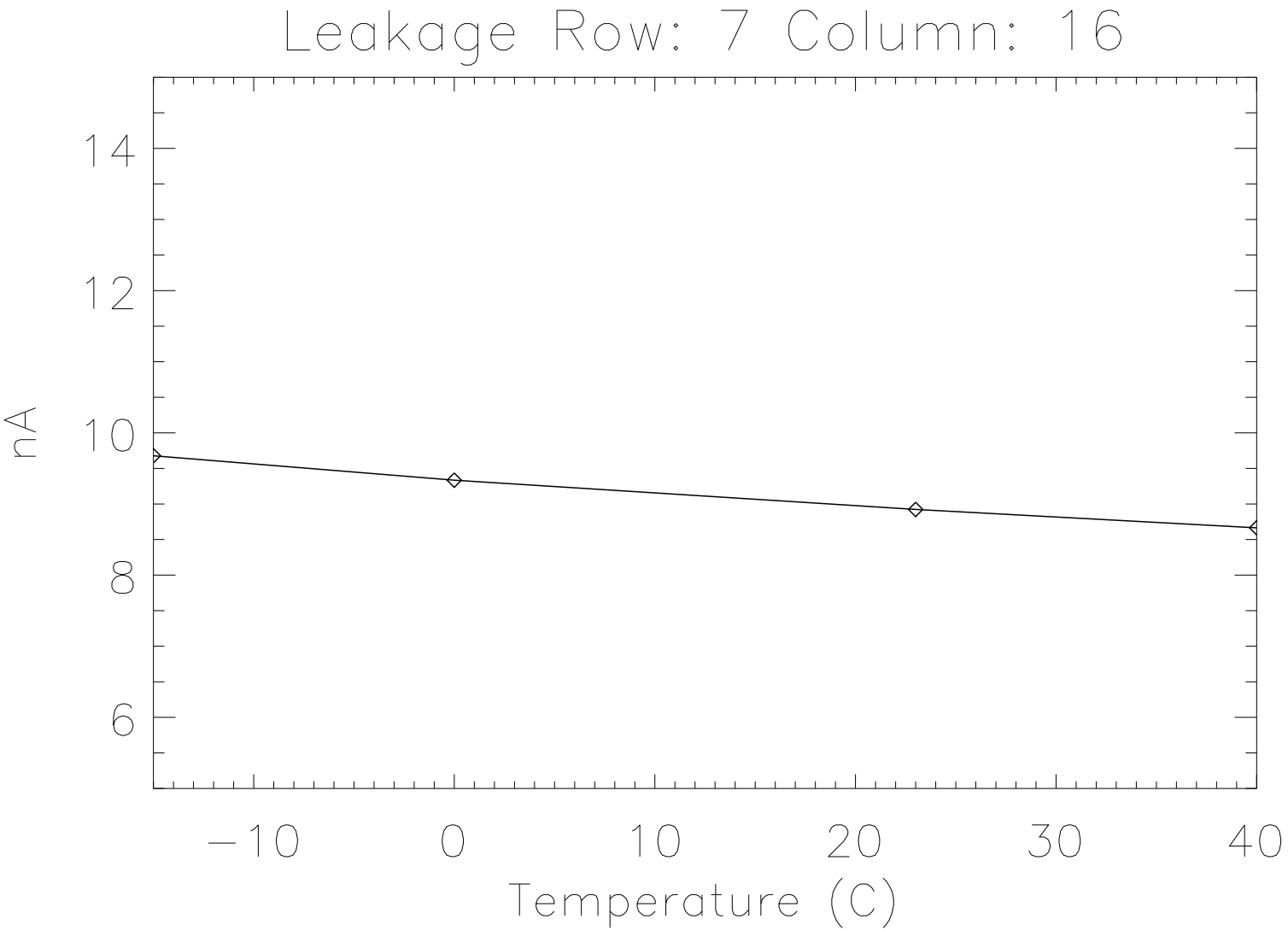

Preamp Row: 6 Column: 30
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

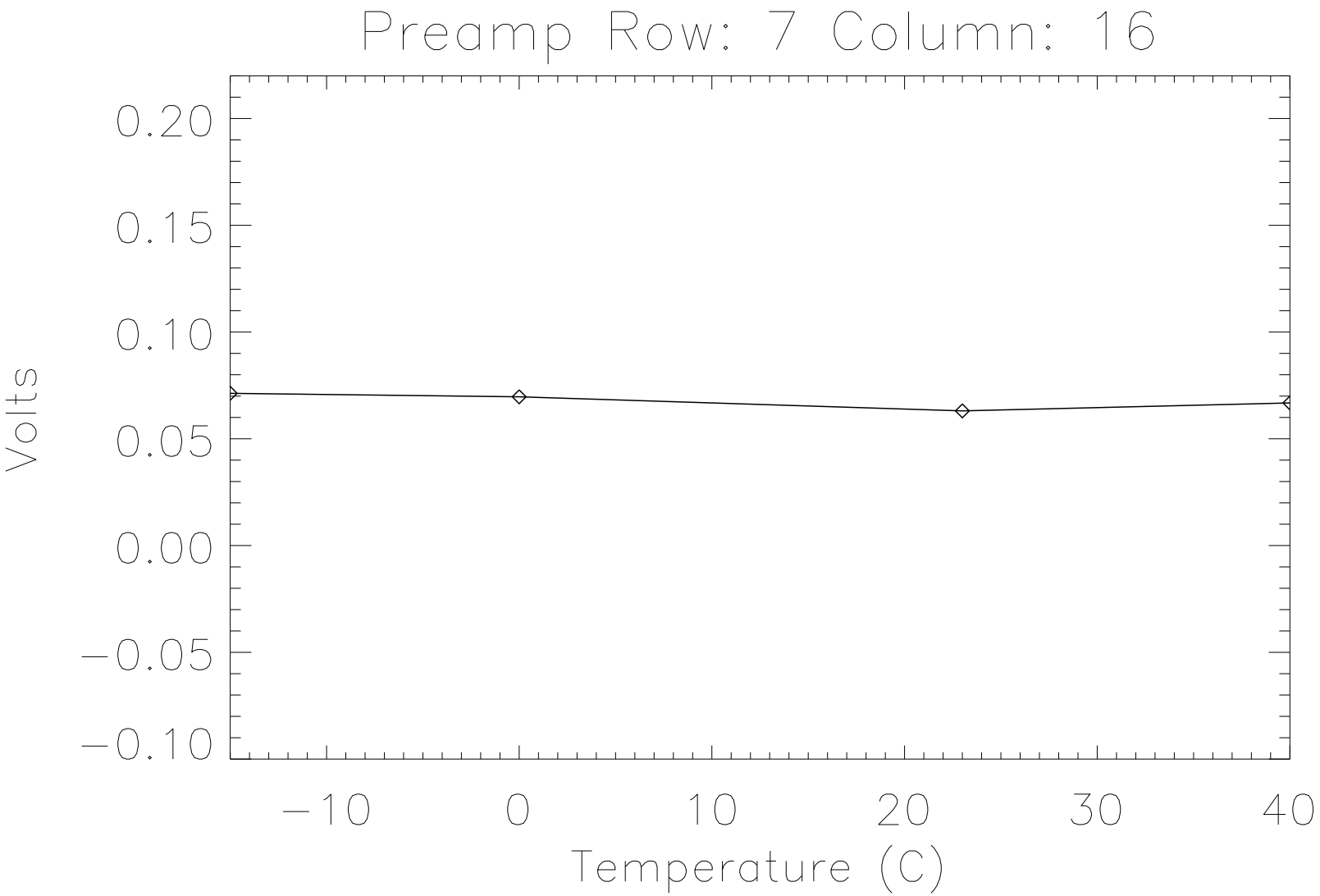

Shaper Row: 6 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

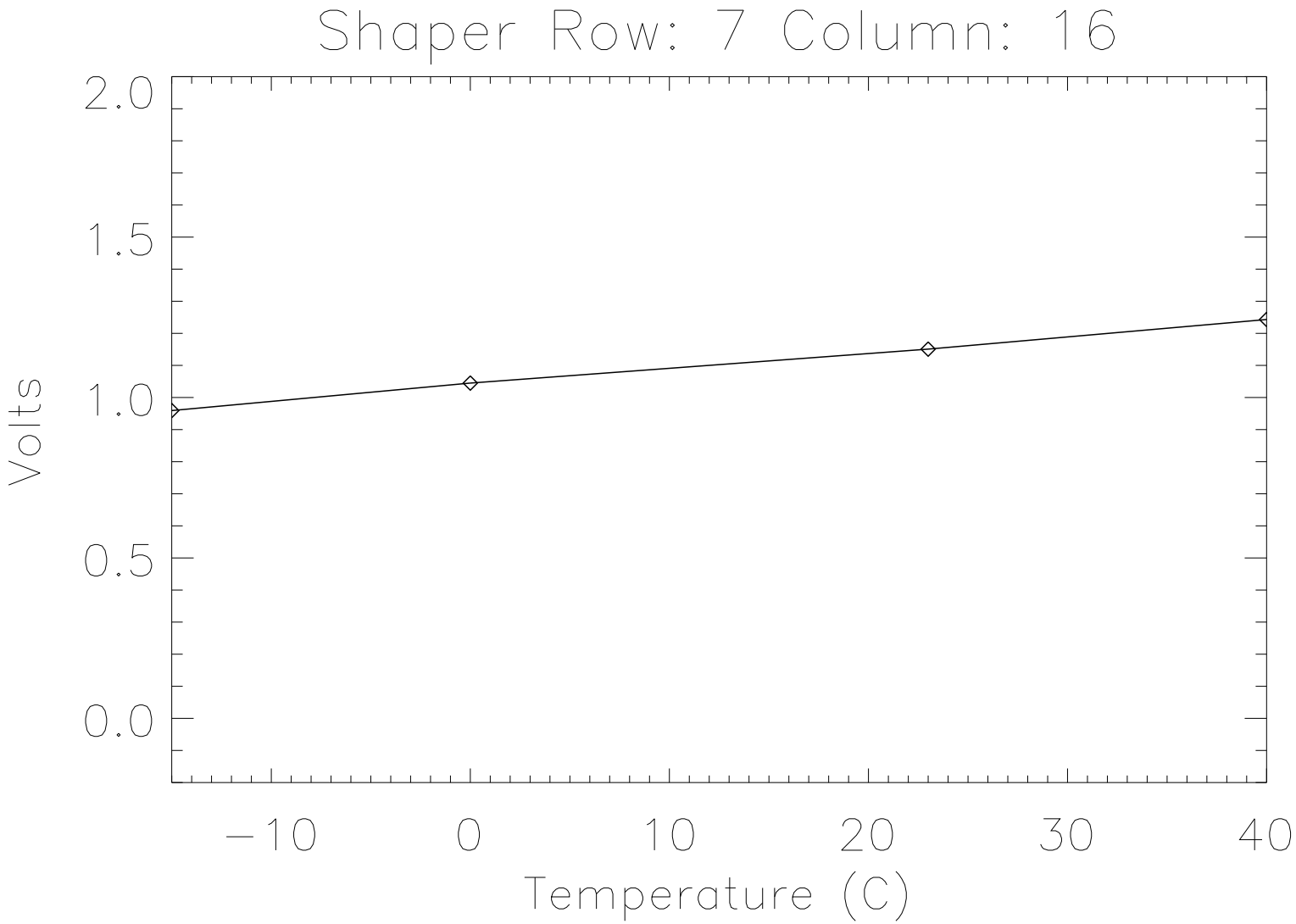

Leakage Row: 6 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

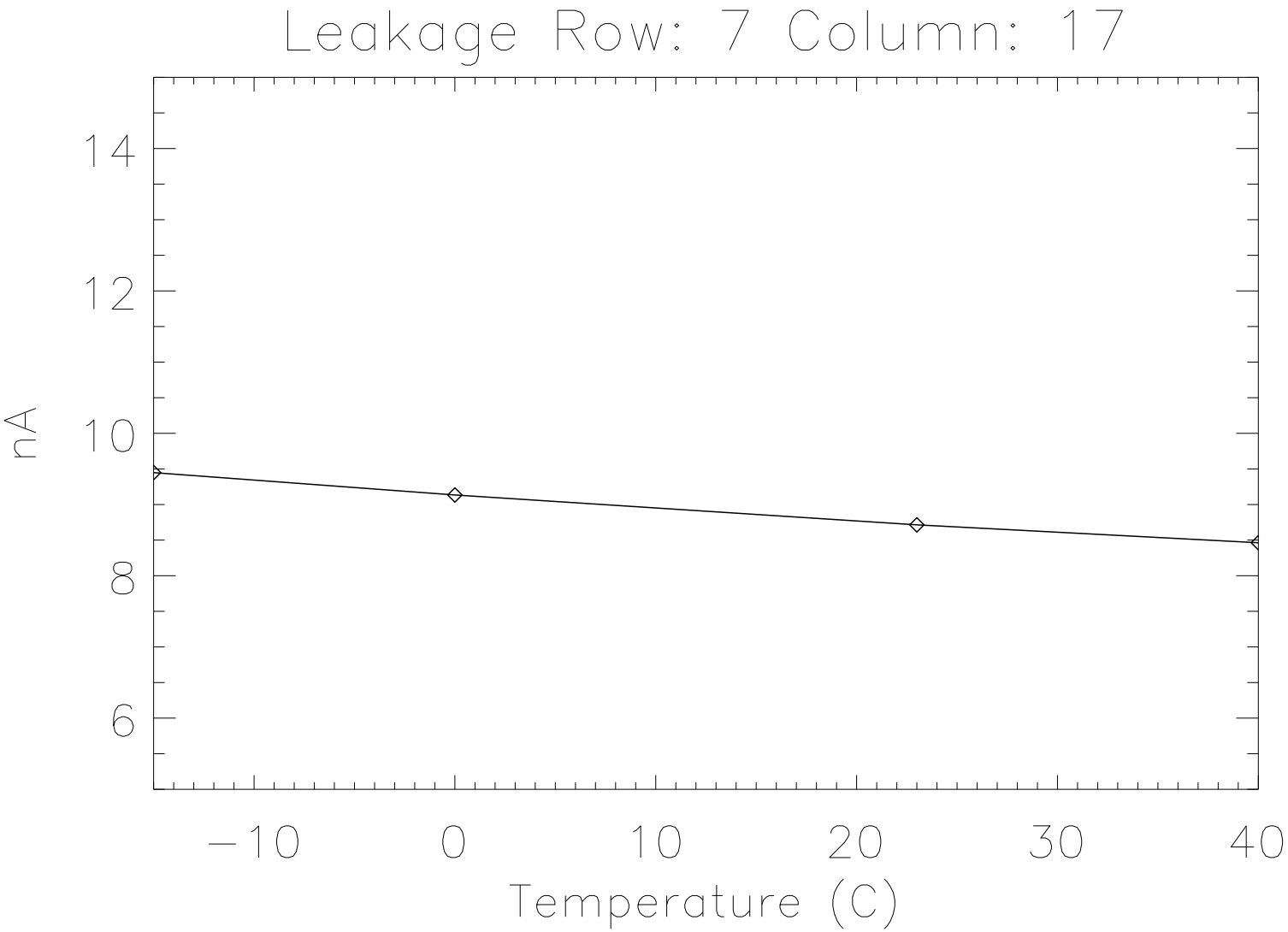

Preamp Row: 6 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

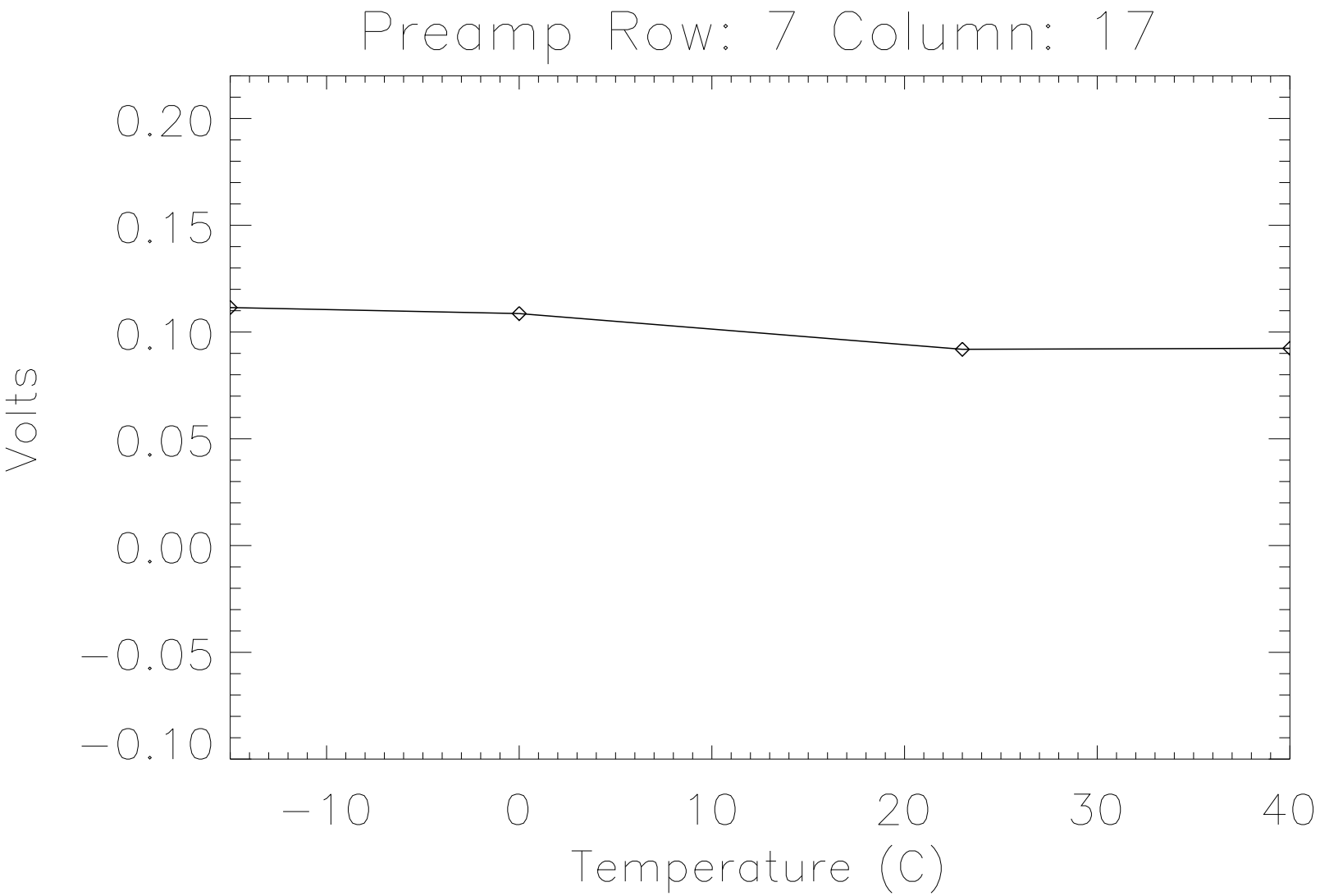

Shaper Row: 6 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 7 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 7 Column: 16
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 7 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 7 Column: 17
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 7 Column: 17
0.20
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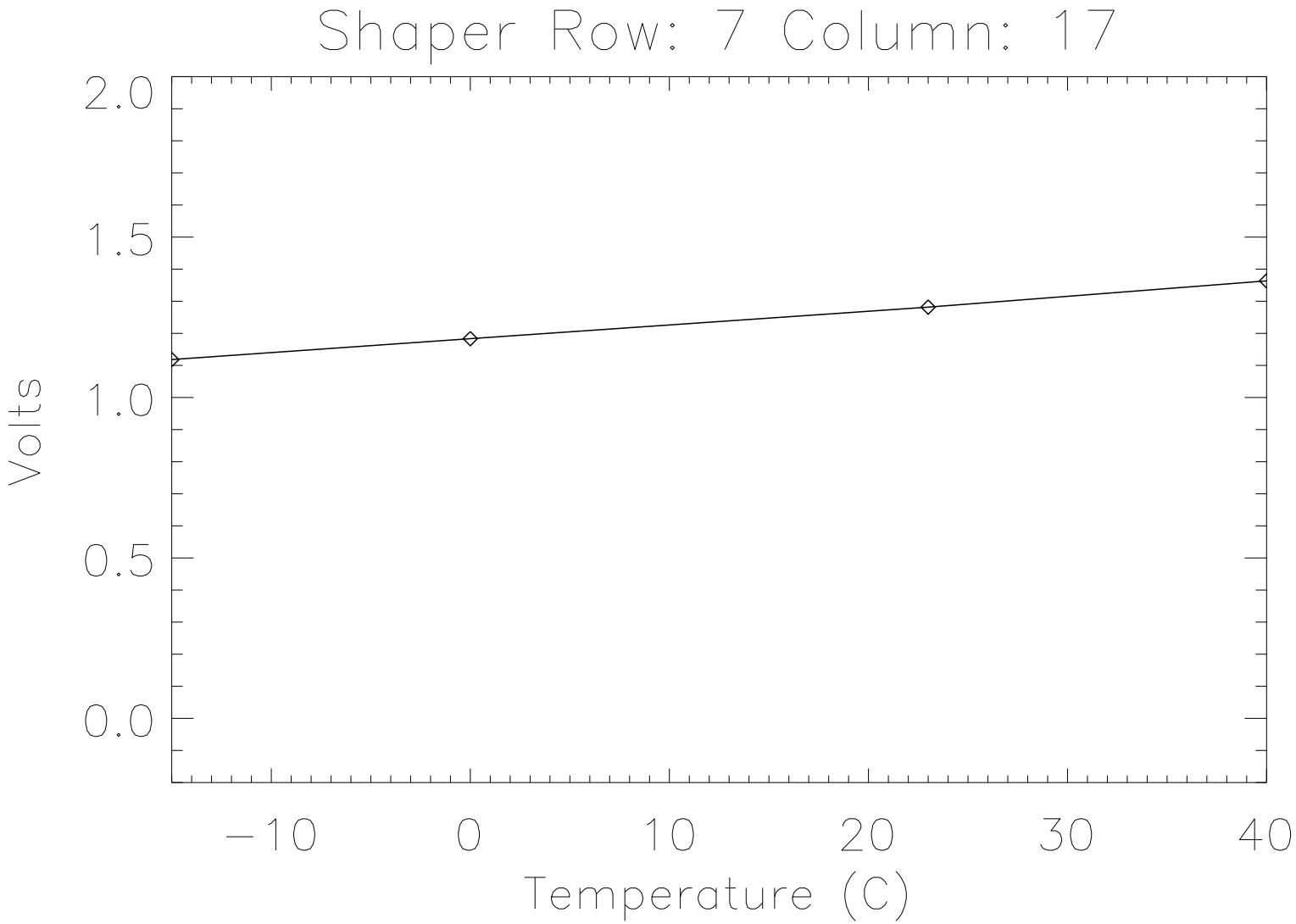
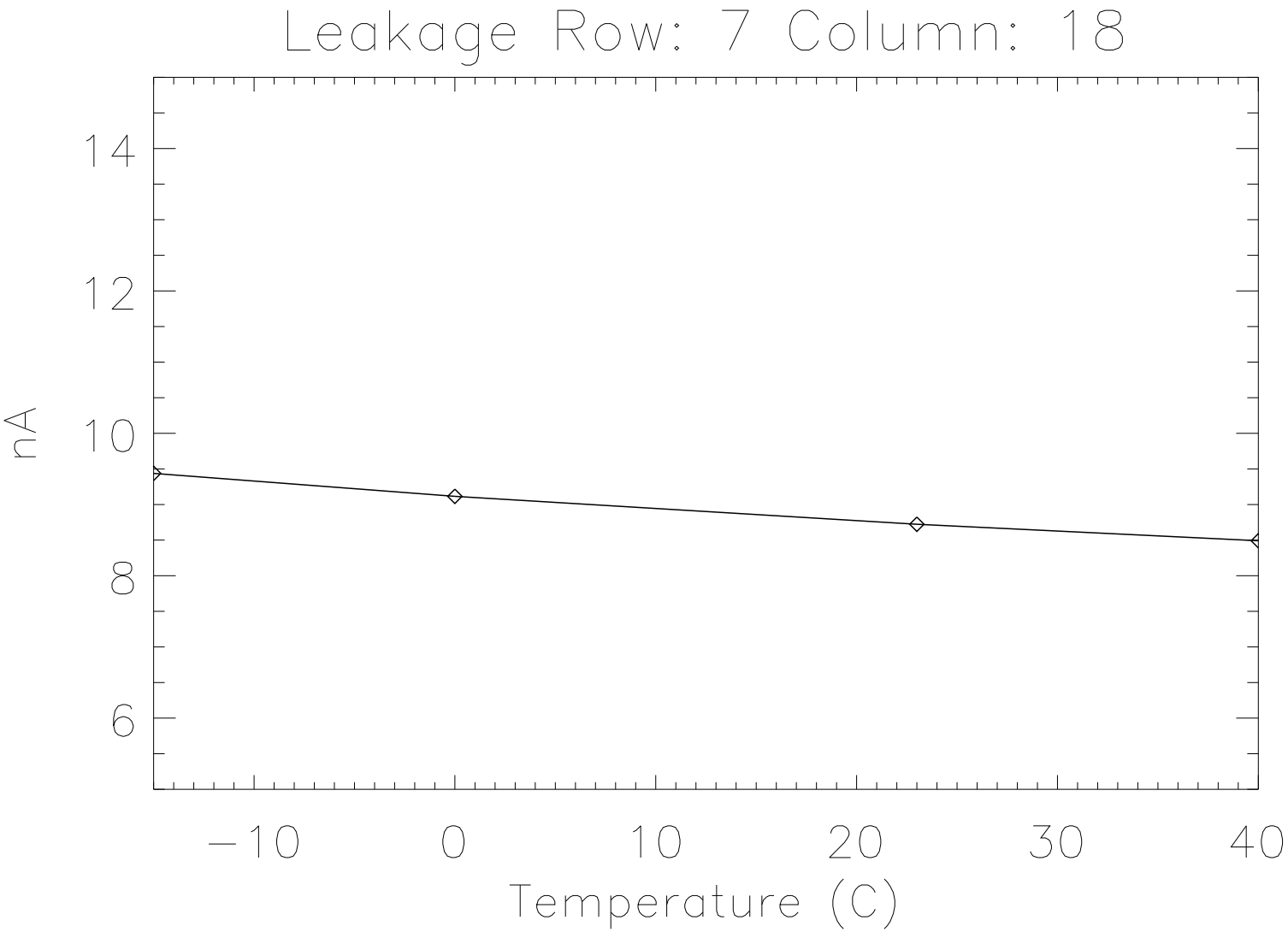
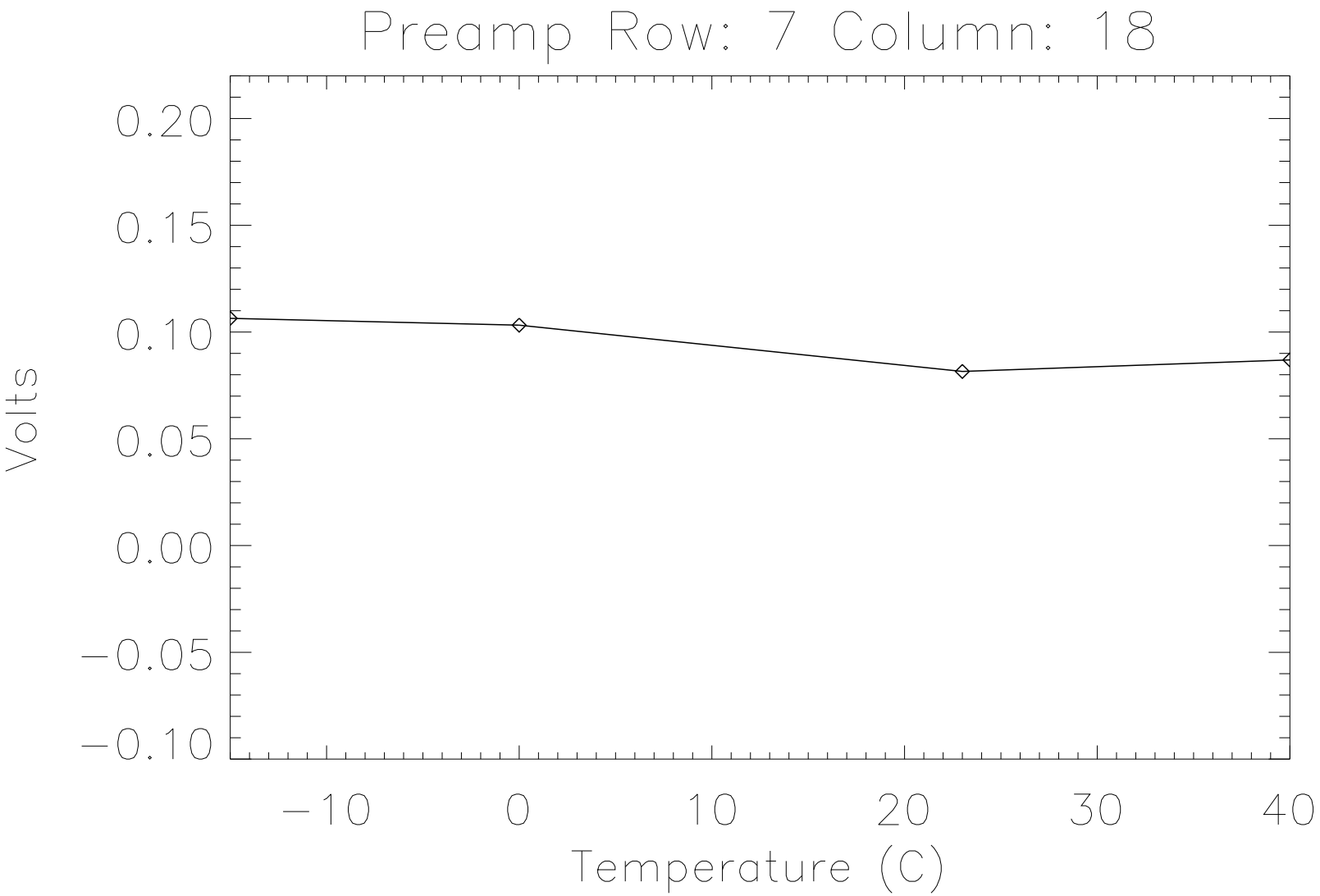
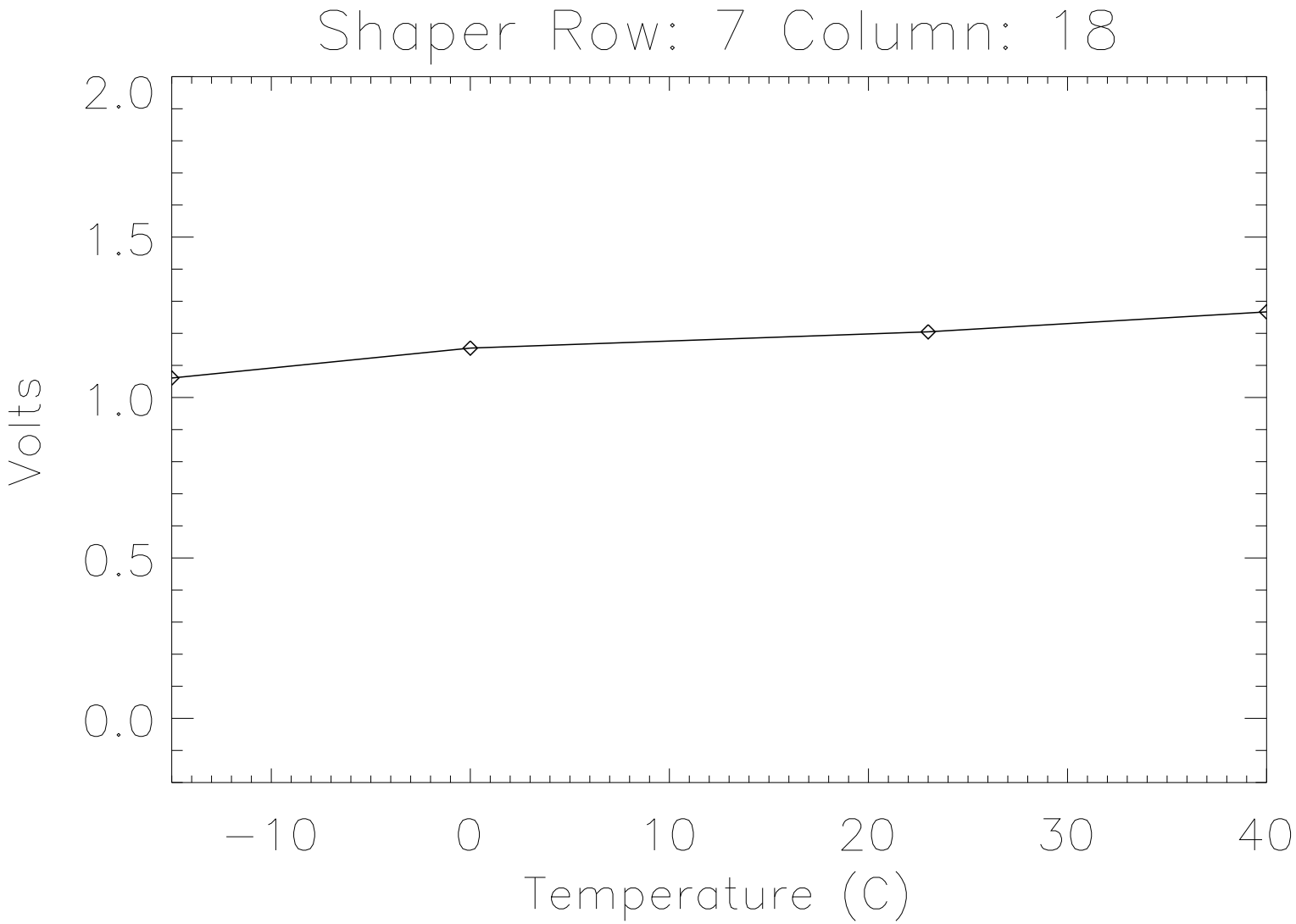
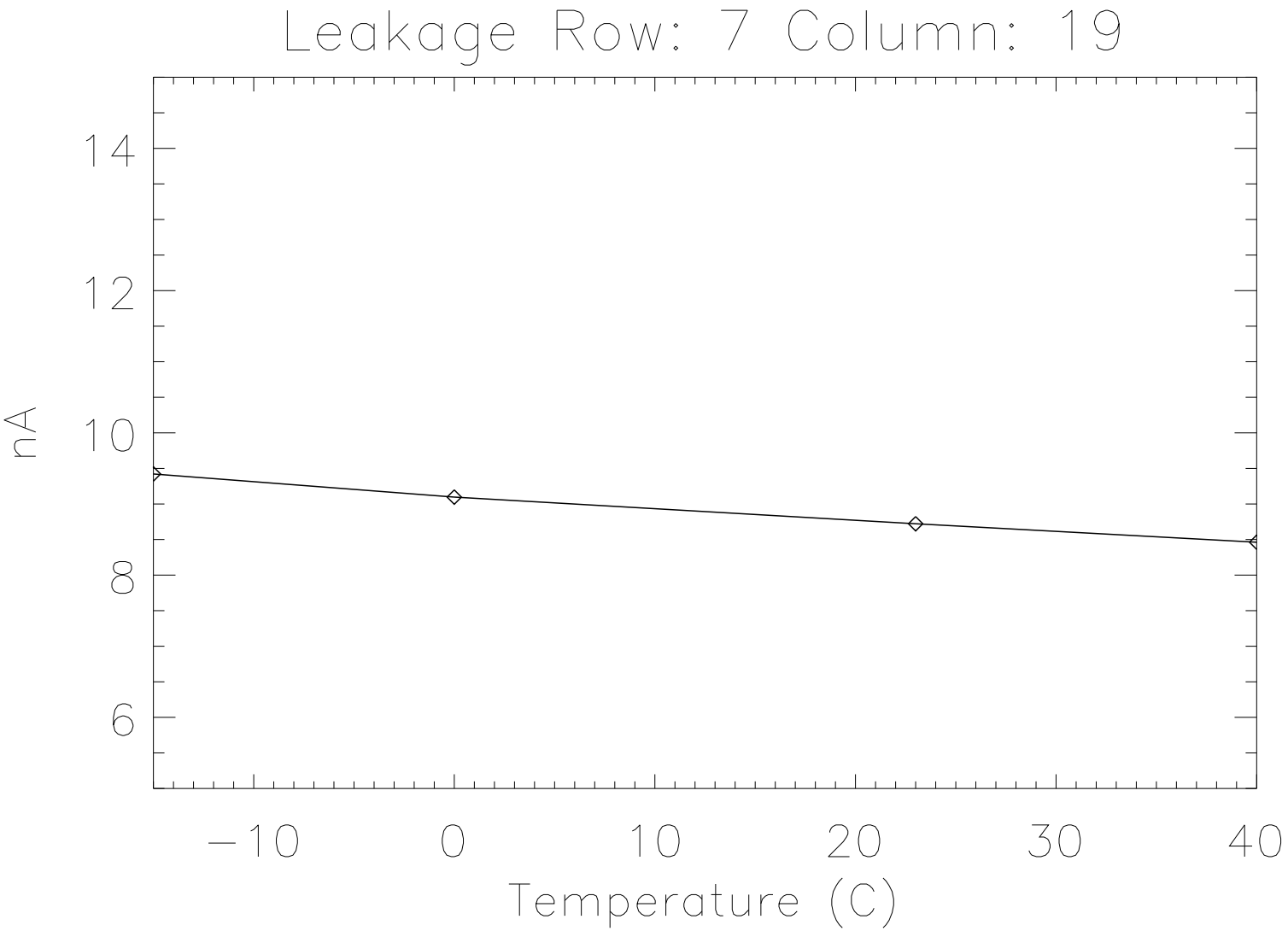
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

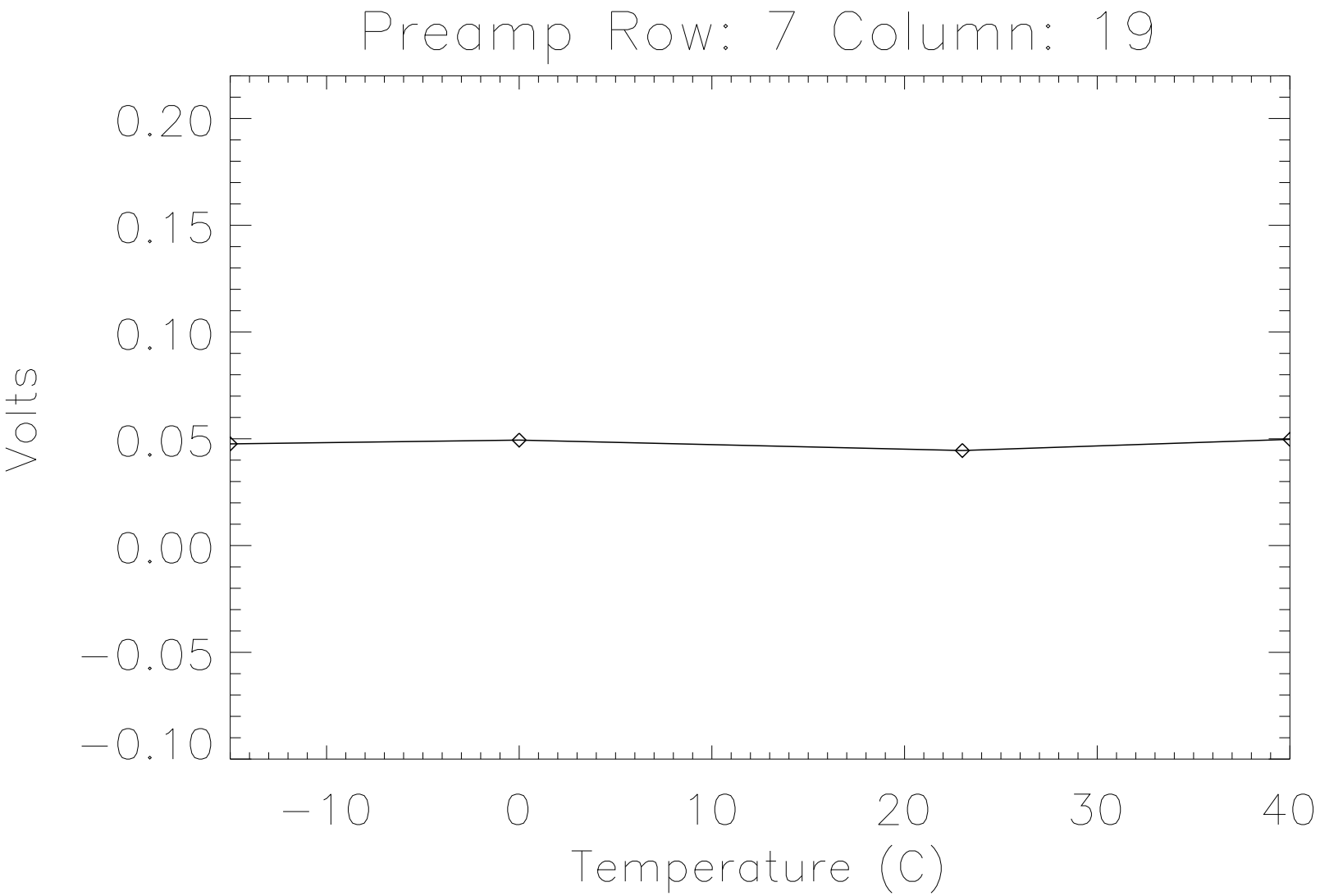

Shaper Row: 7 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

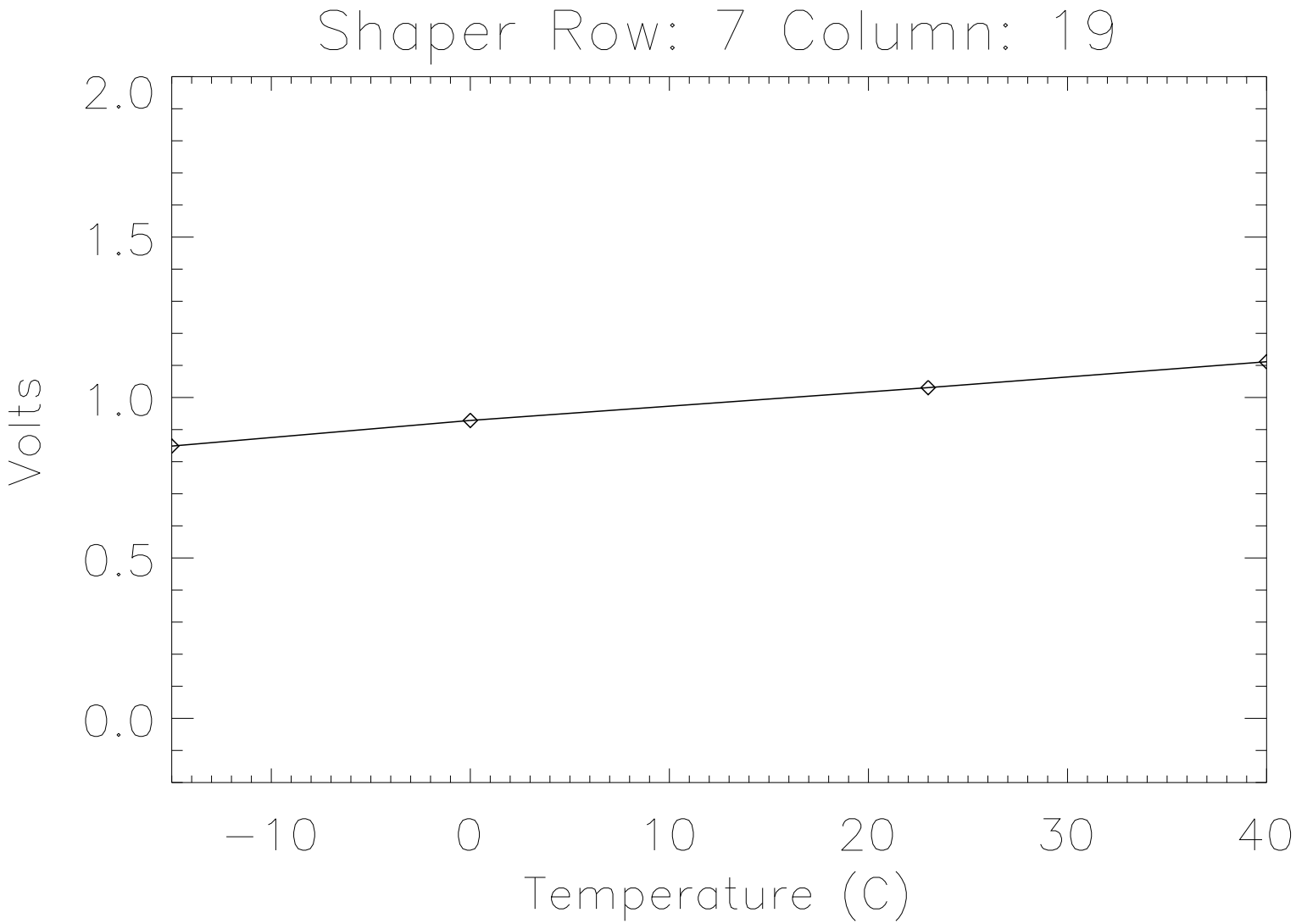

Leakage Row: 7 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

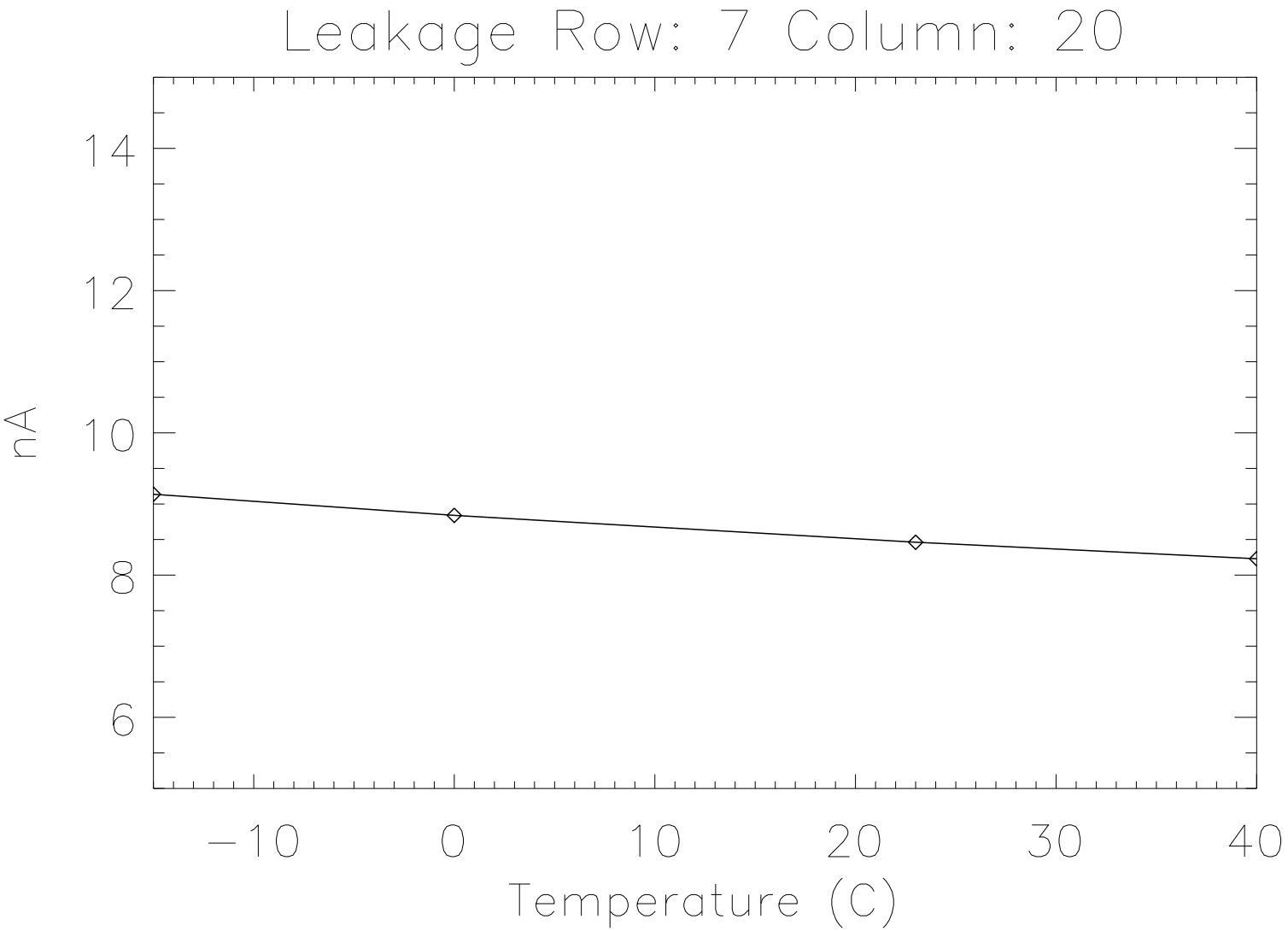

Preamp Row: 7 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

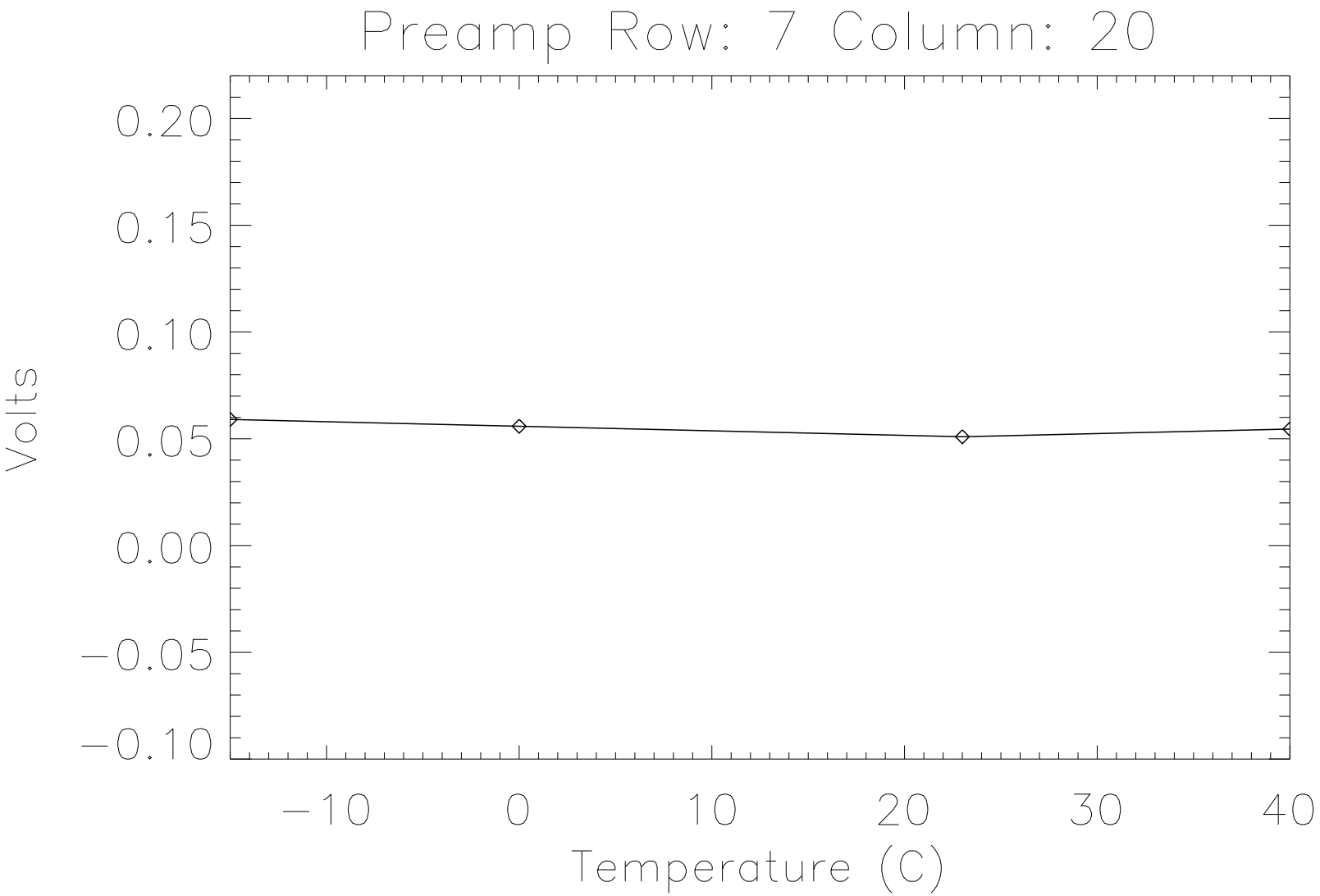

Shaper Row: 7 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

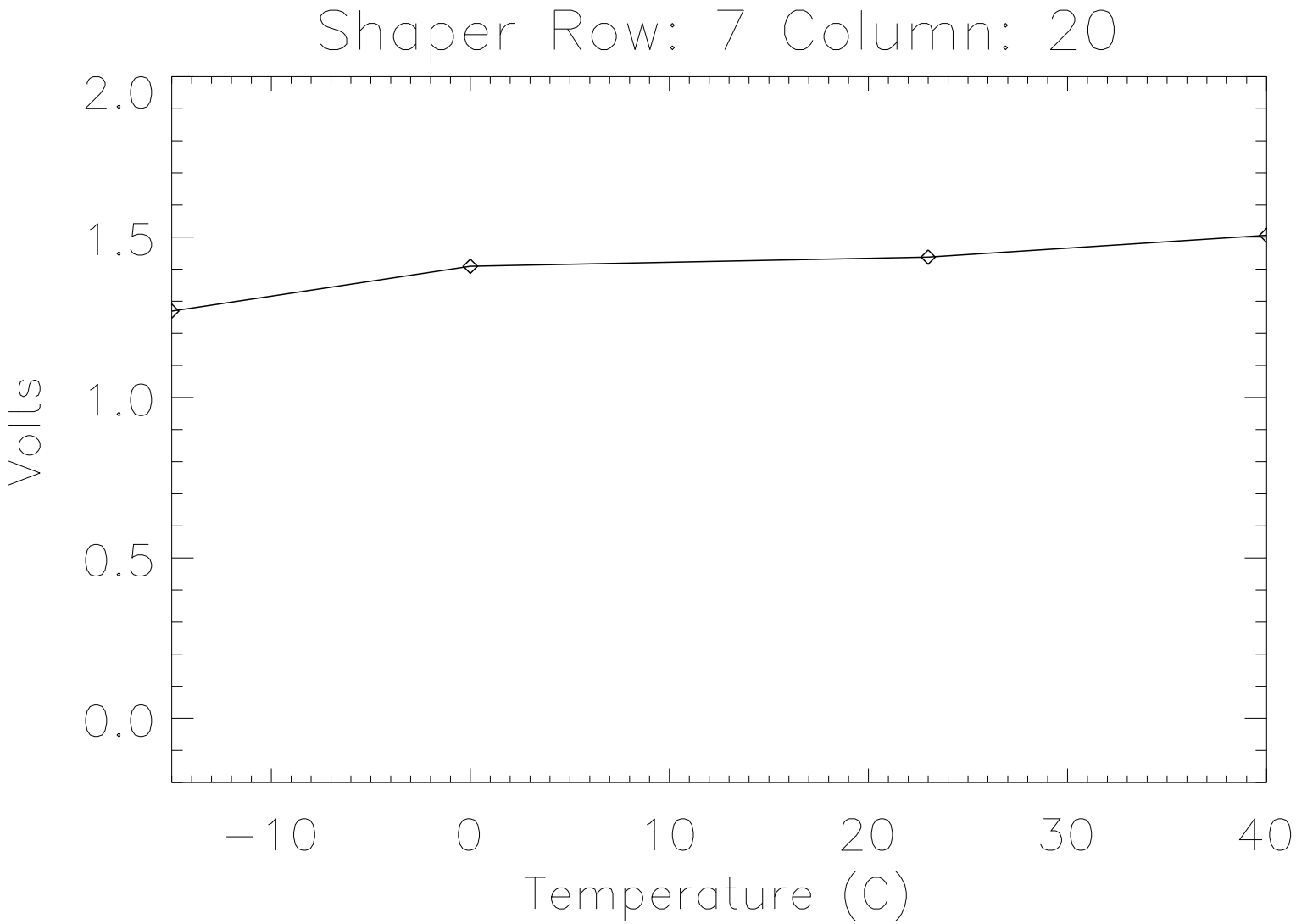

Leakage Row: 7 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

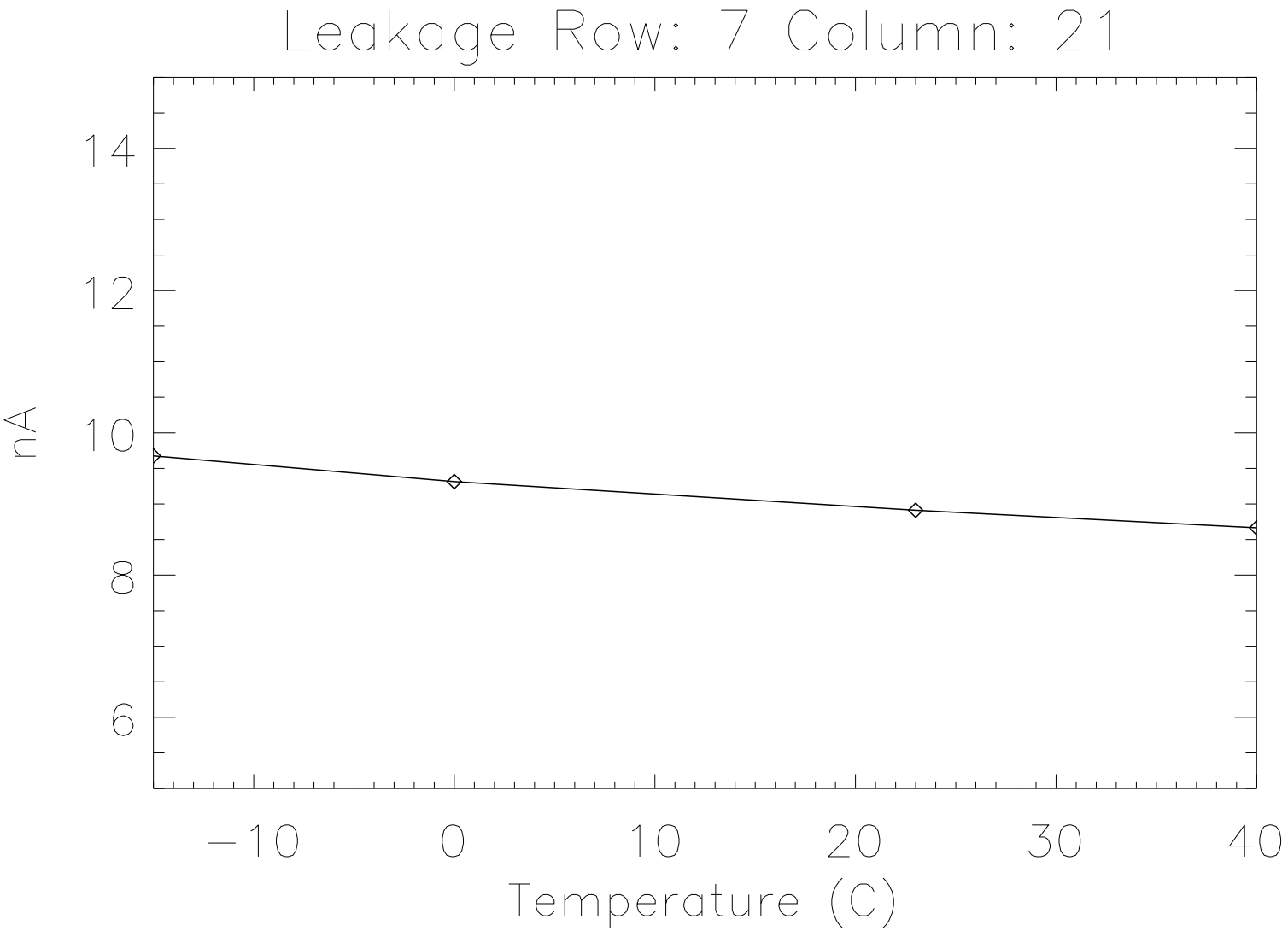

Preamp Row: 7 Column: 19
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

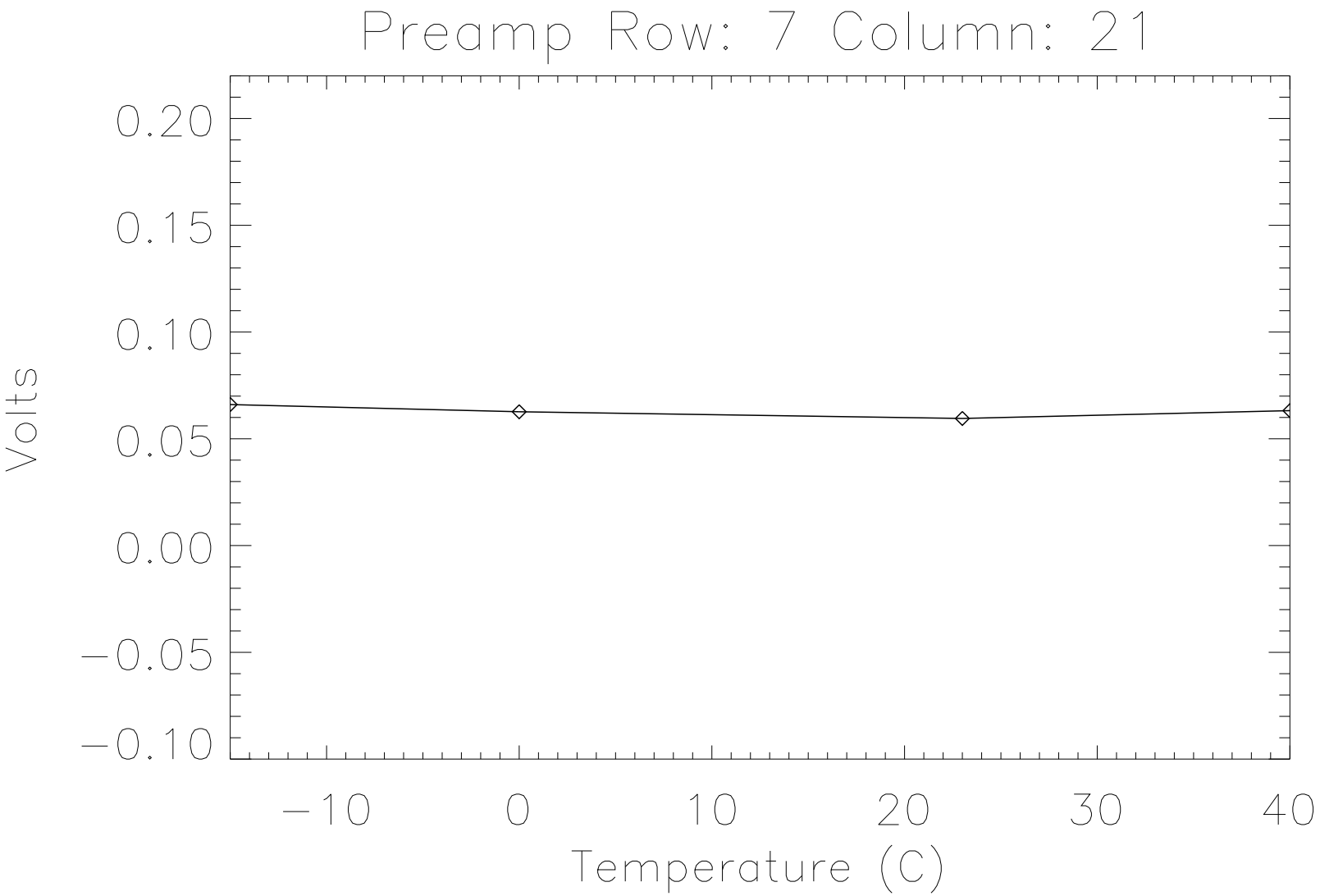

Shaper Row: 7 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

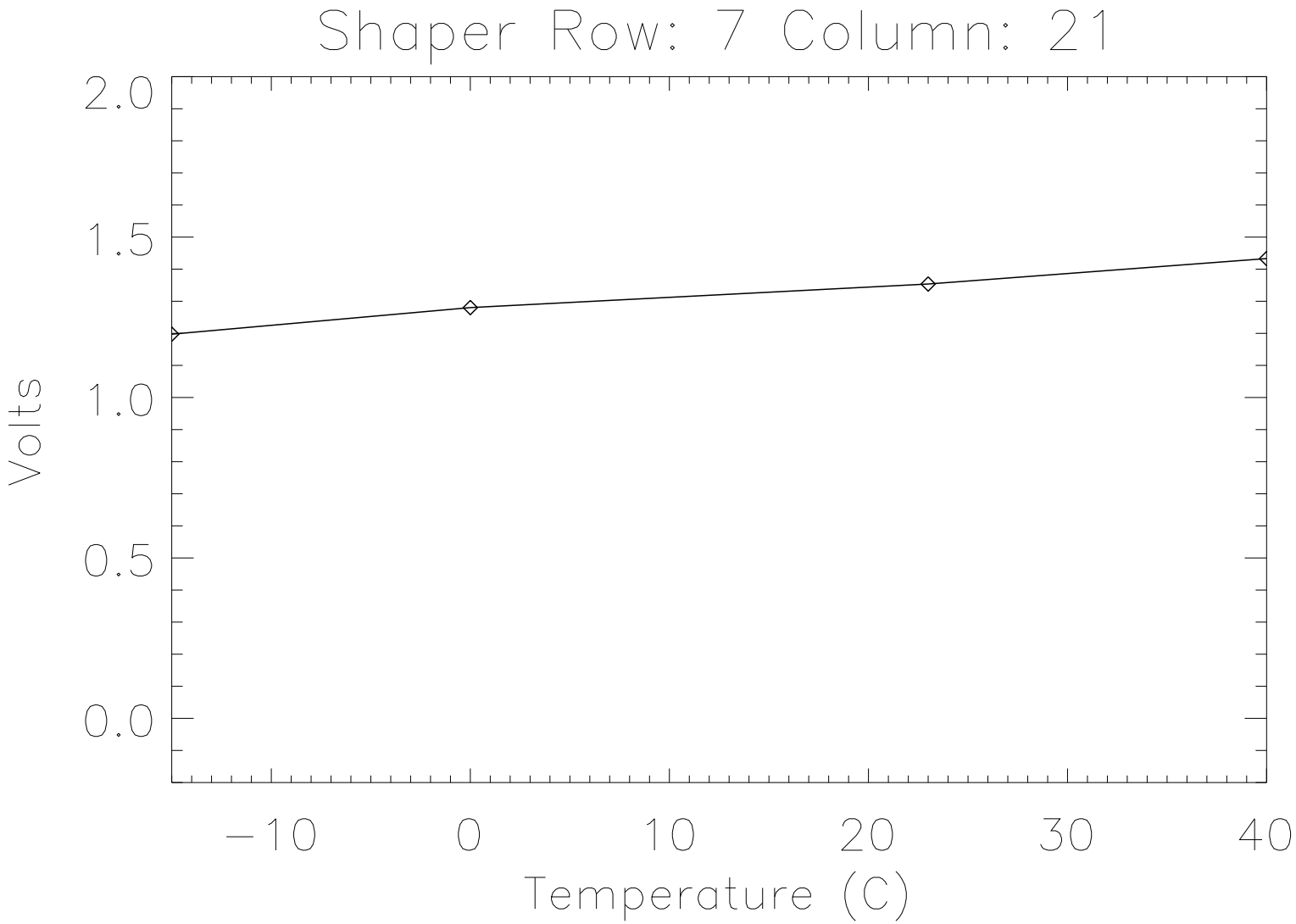

Leakage Row: 7 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

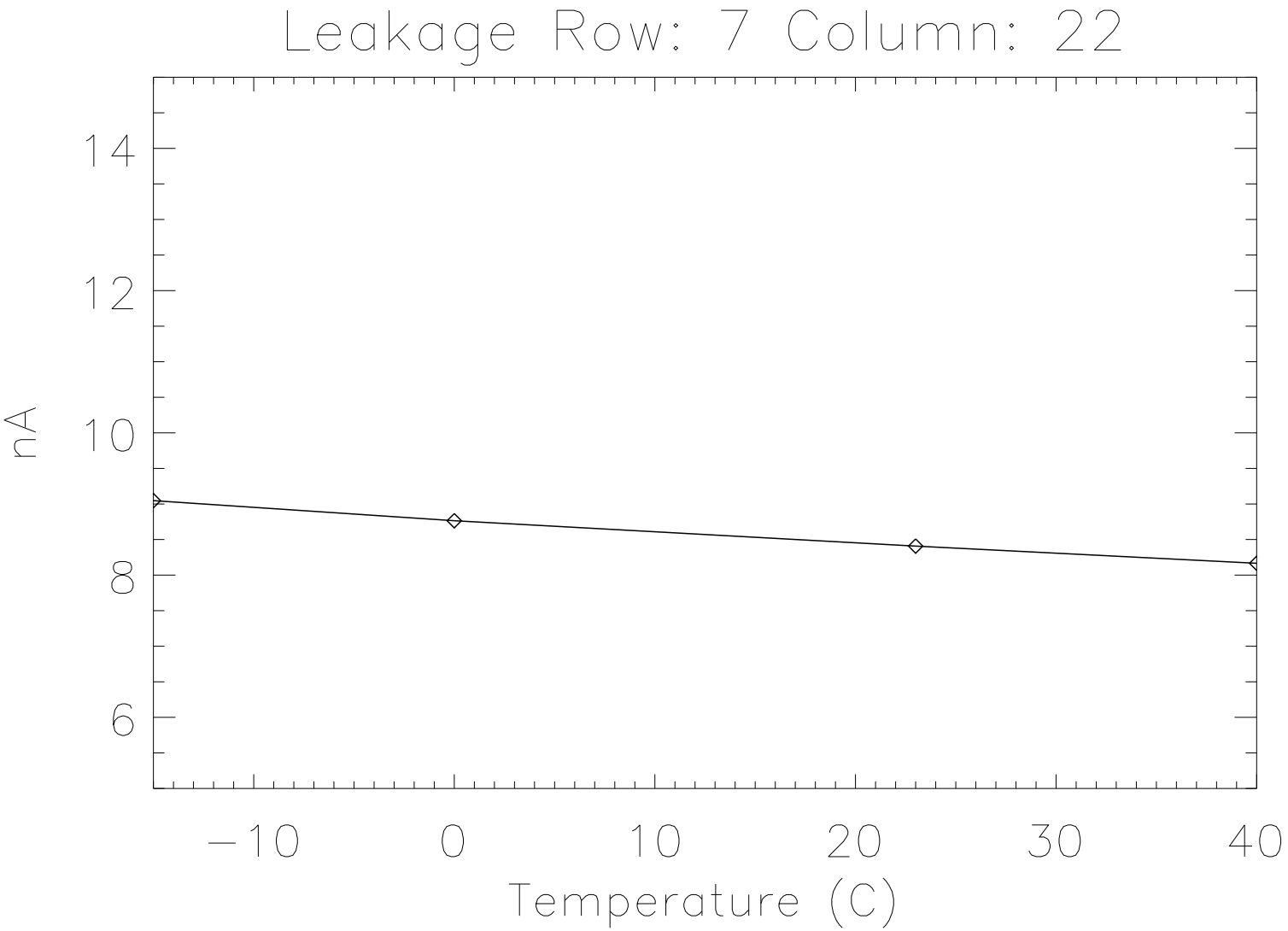

Preamp Row: 7 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

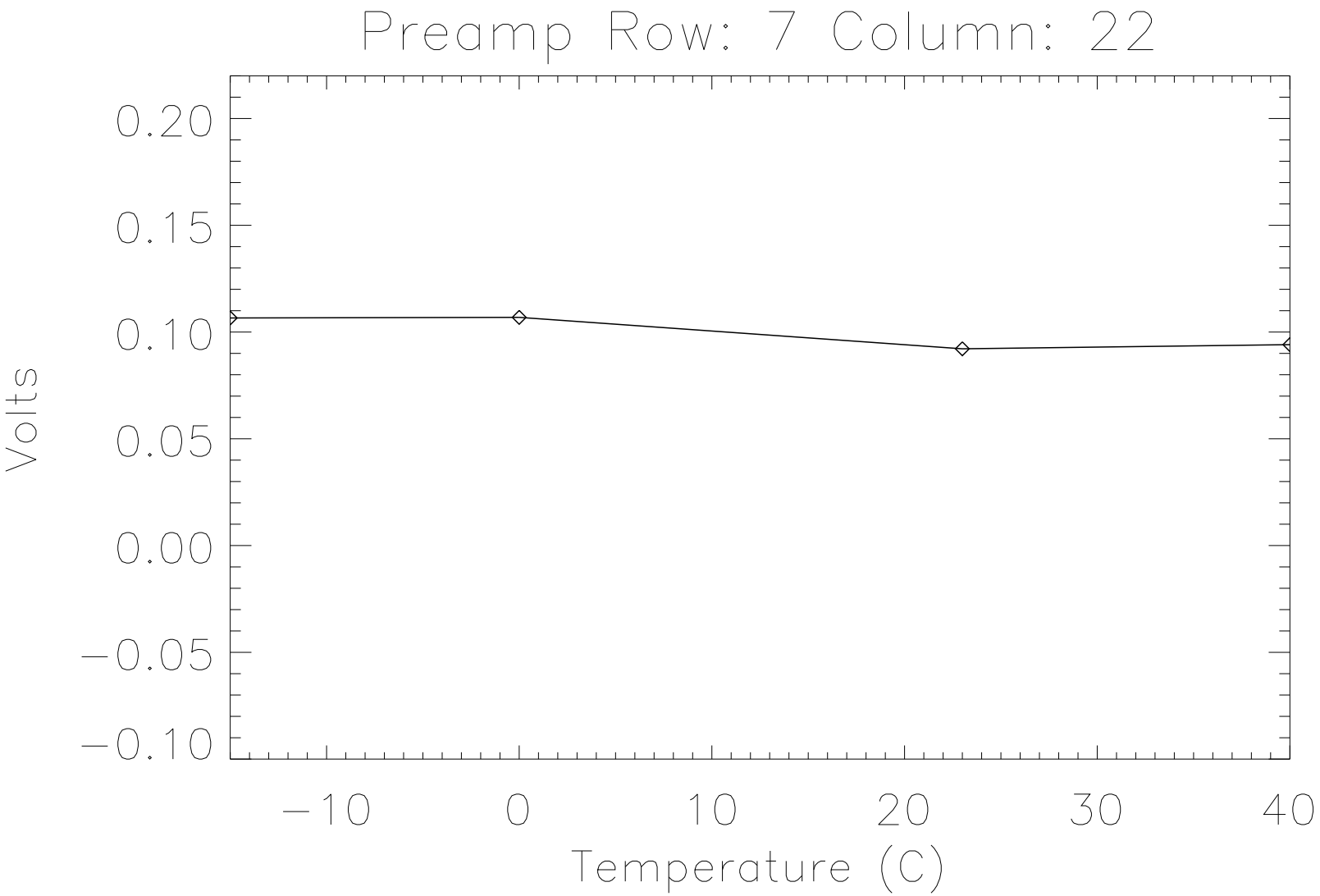

Shaper Row: 7 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

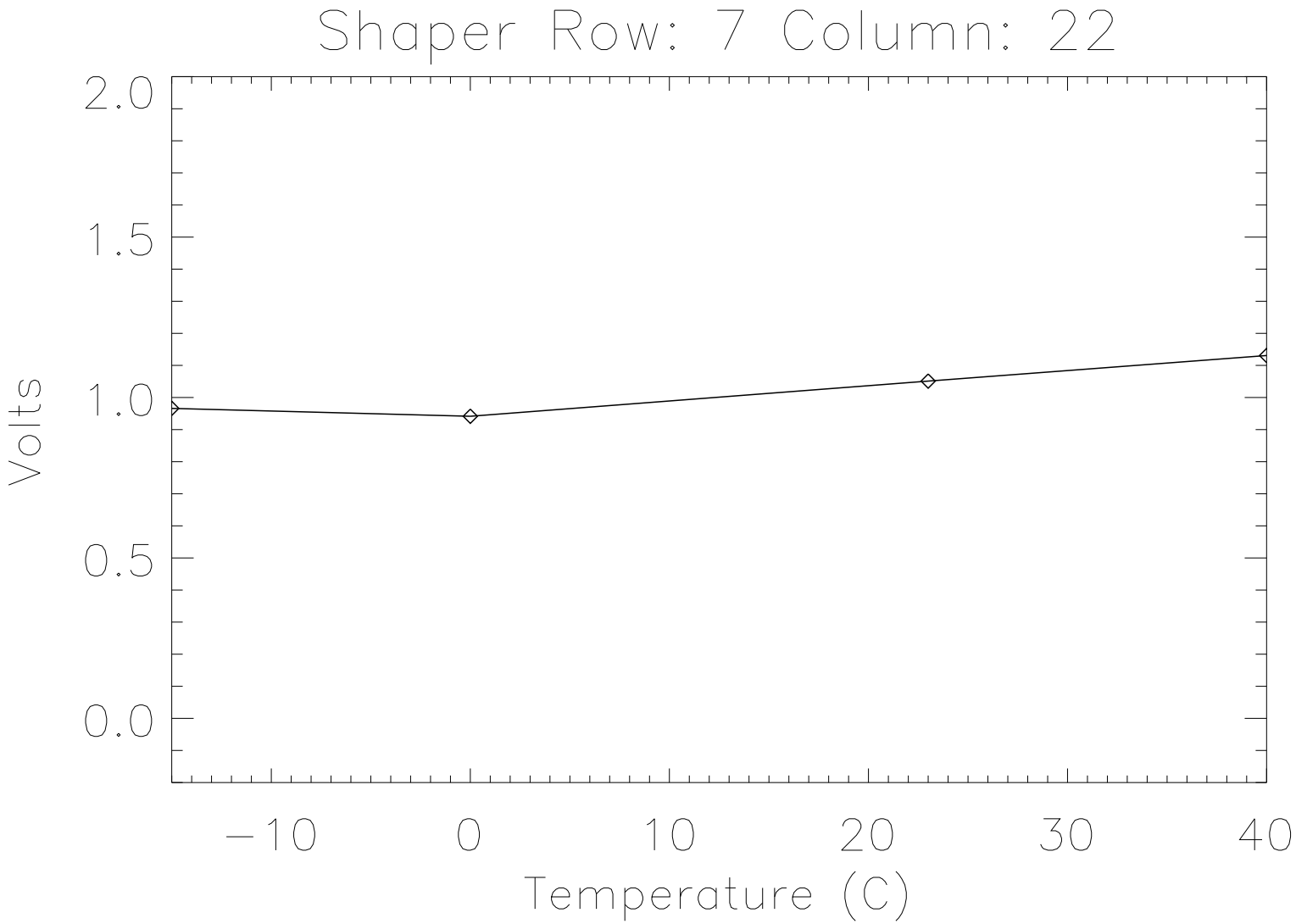

Leakage Row: 7 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

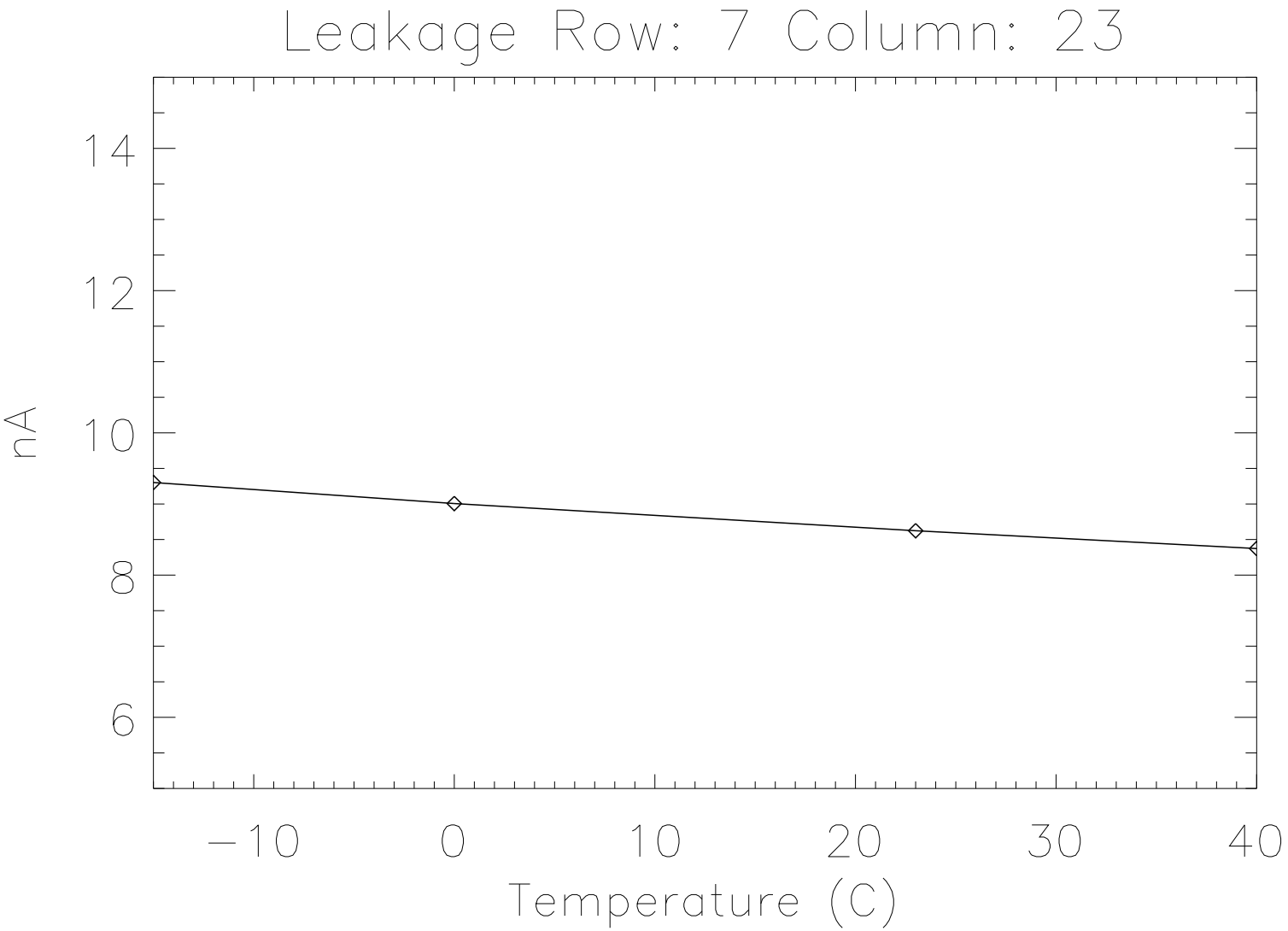

Preamp Row: 7 Column: 21
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

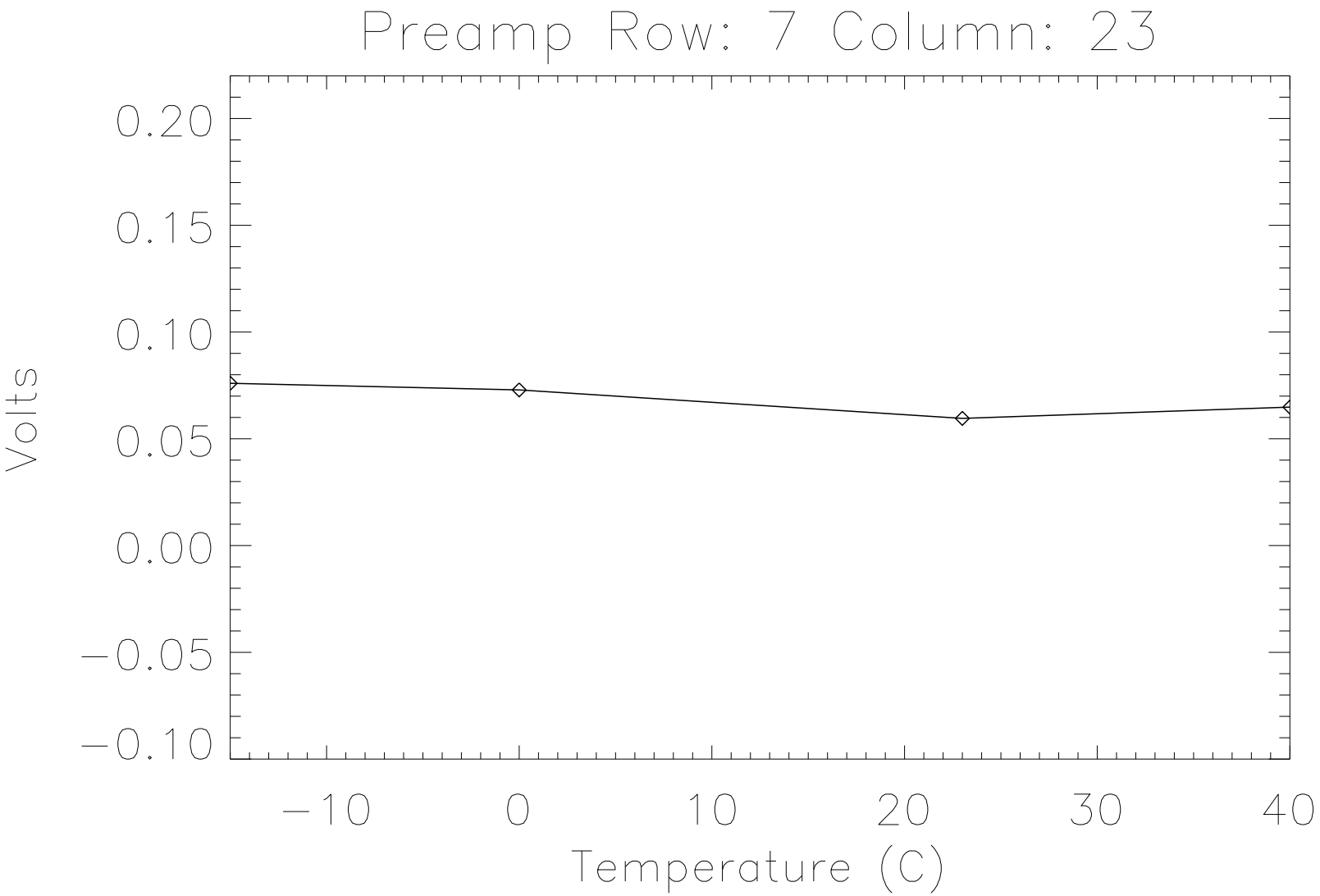

Shaper Row: 7 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

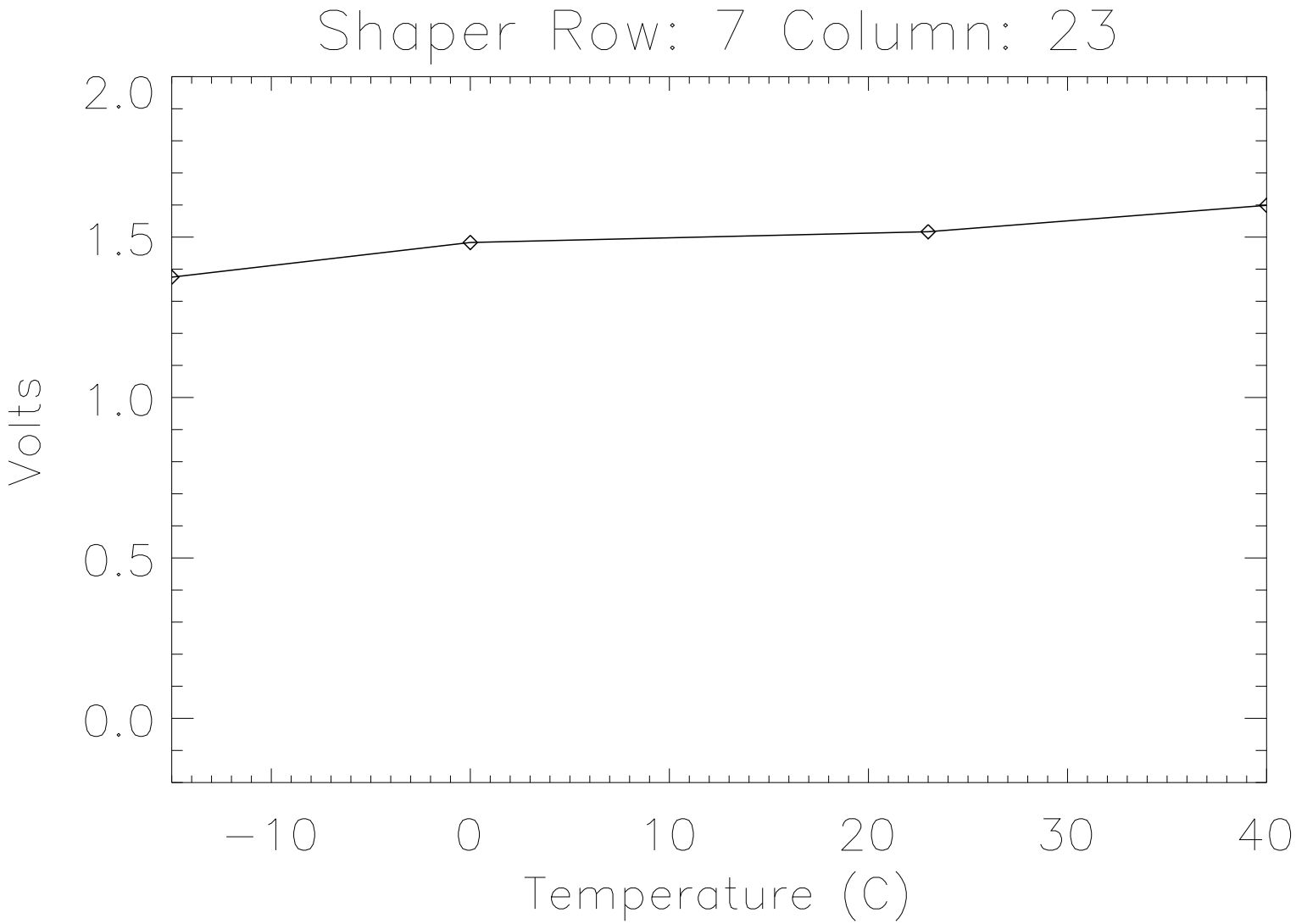

Leakage Row: 7 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

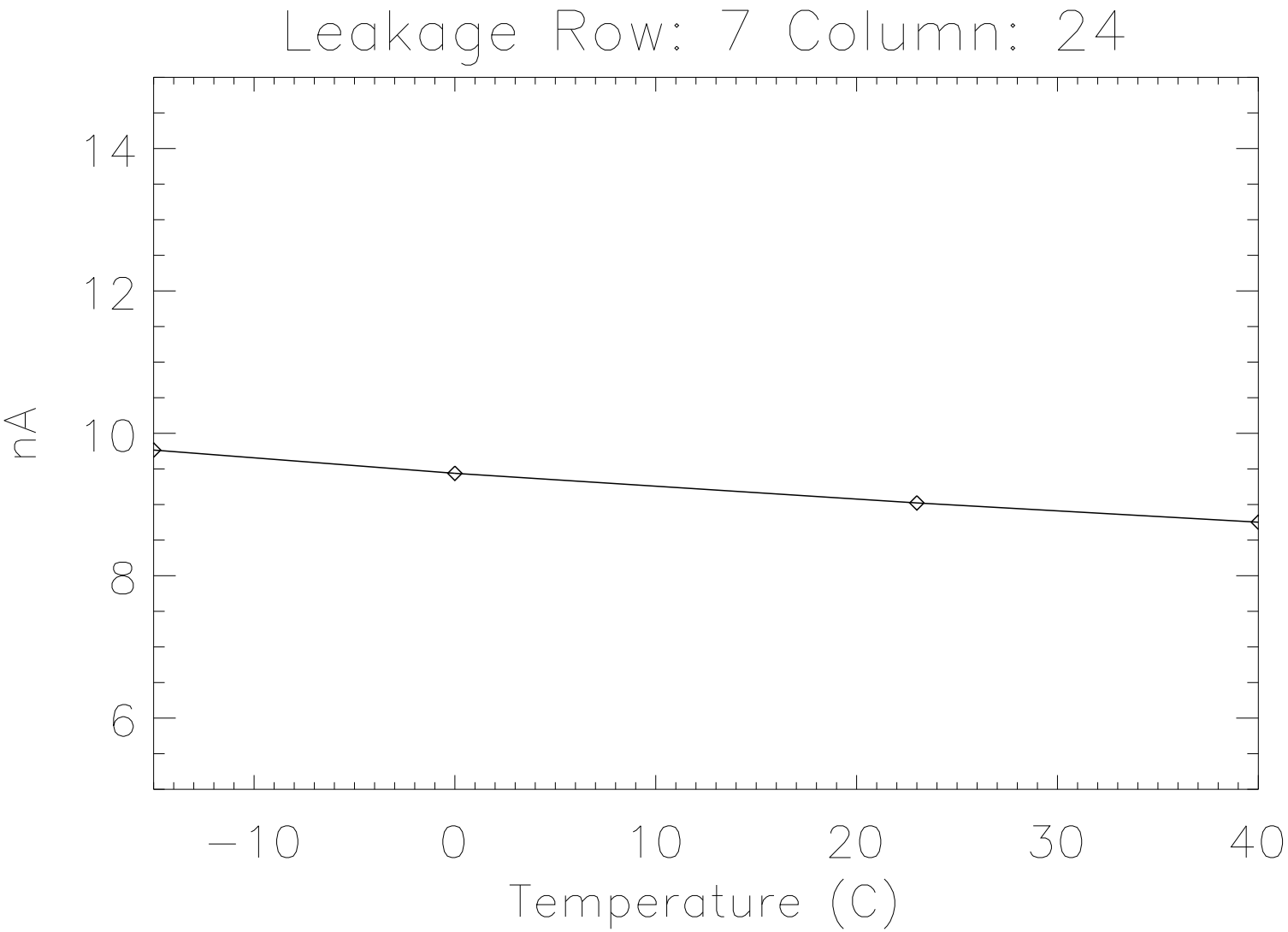

Preamp Row: 7 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

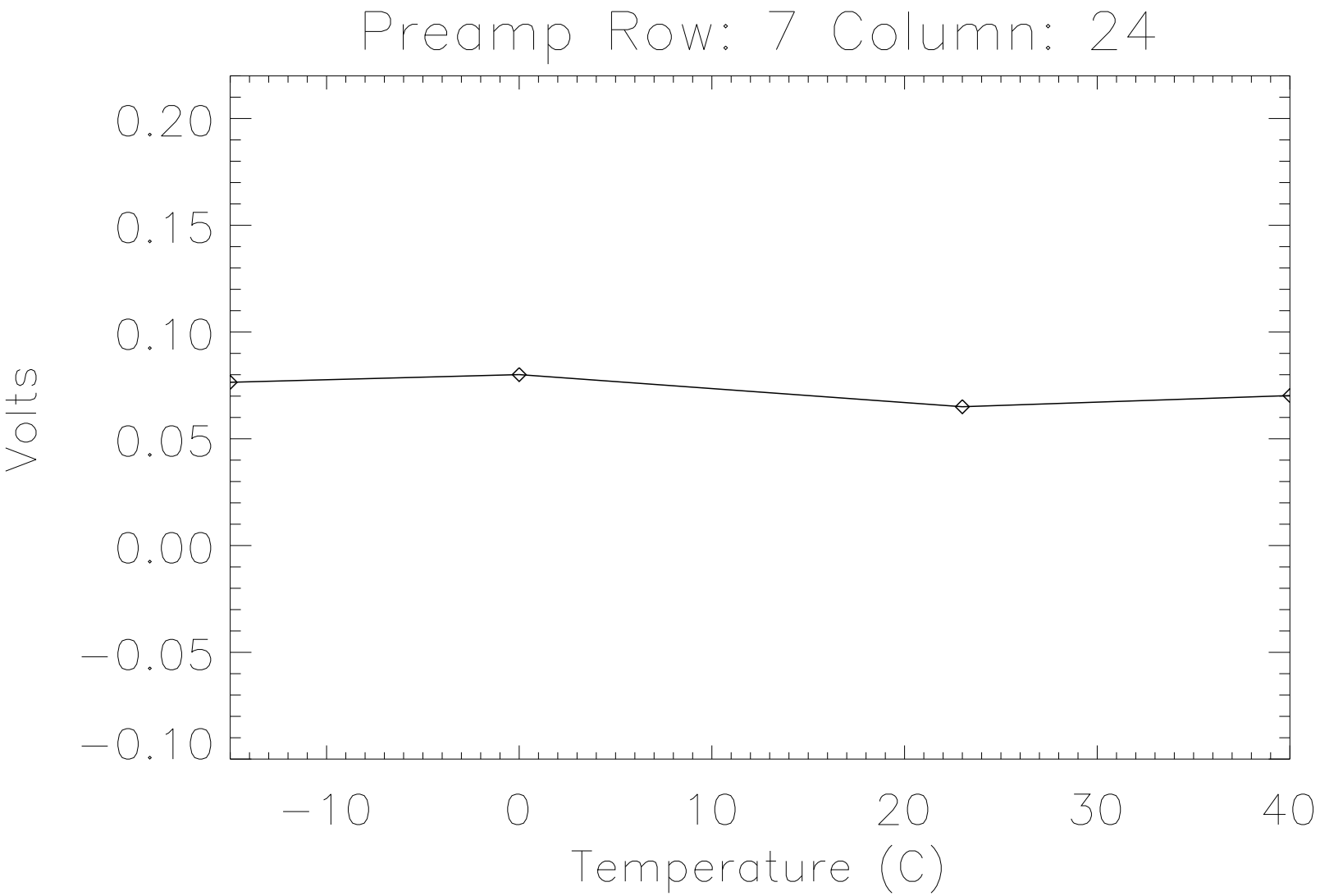

Shaper Row: 7 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

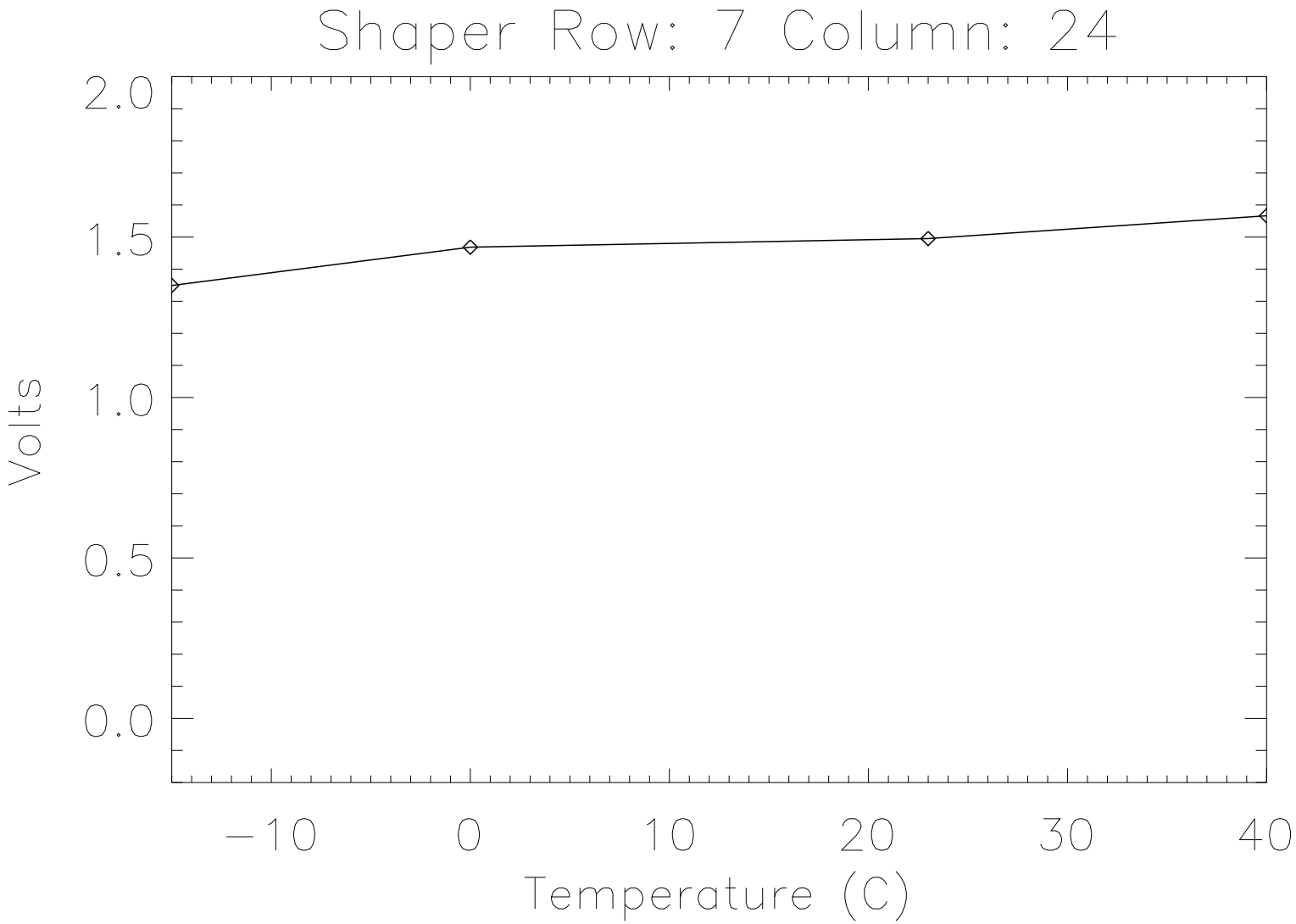

Leakage Row: 7 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

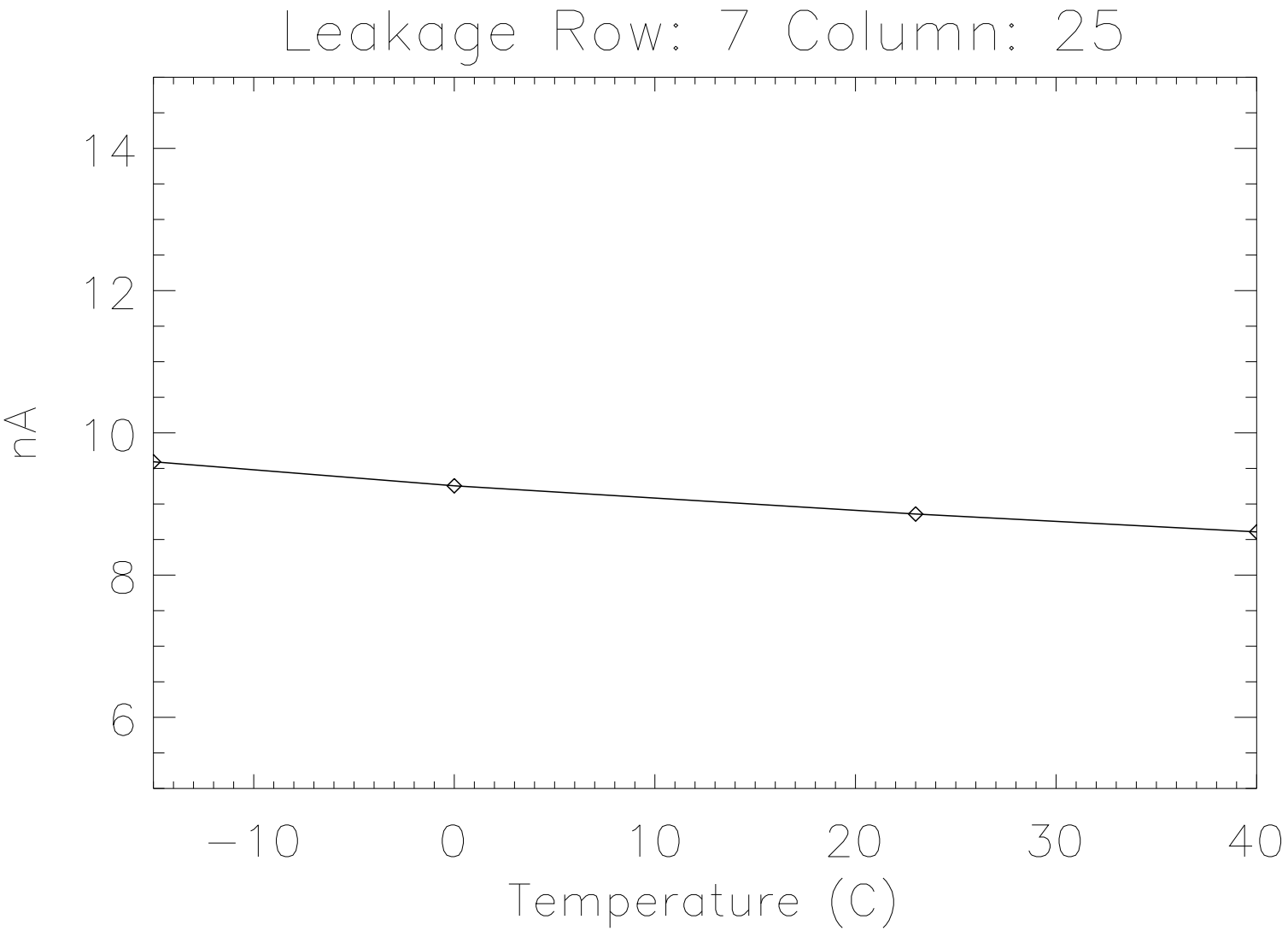

Preamp Row: 7 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

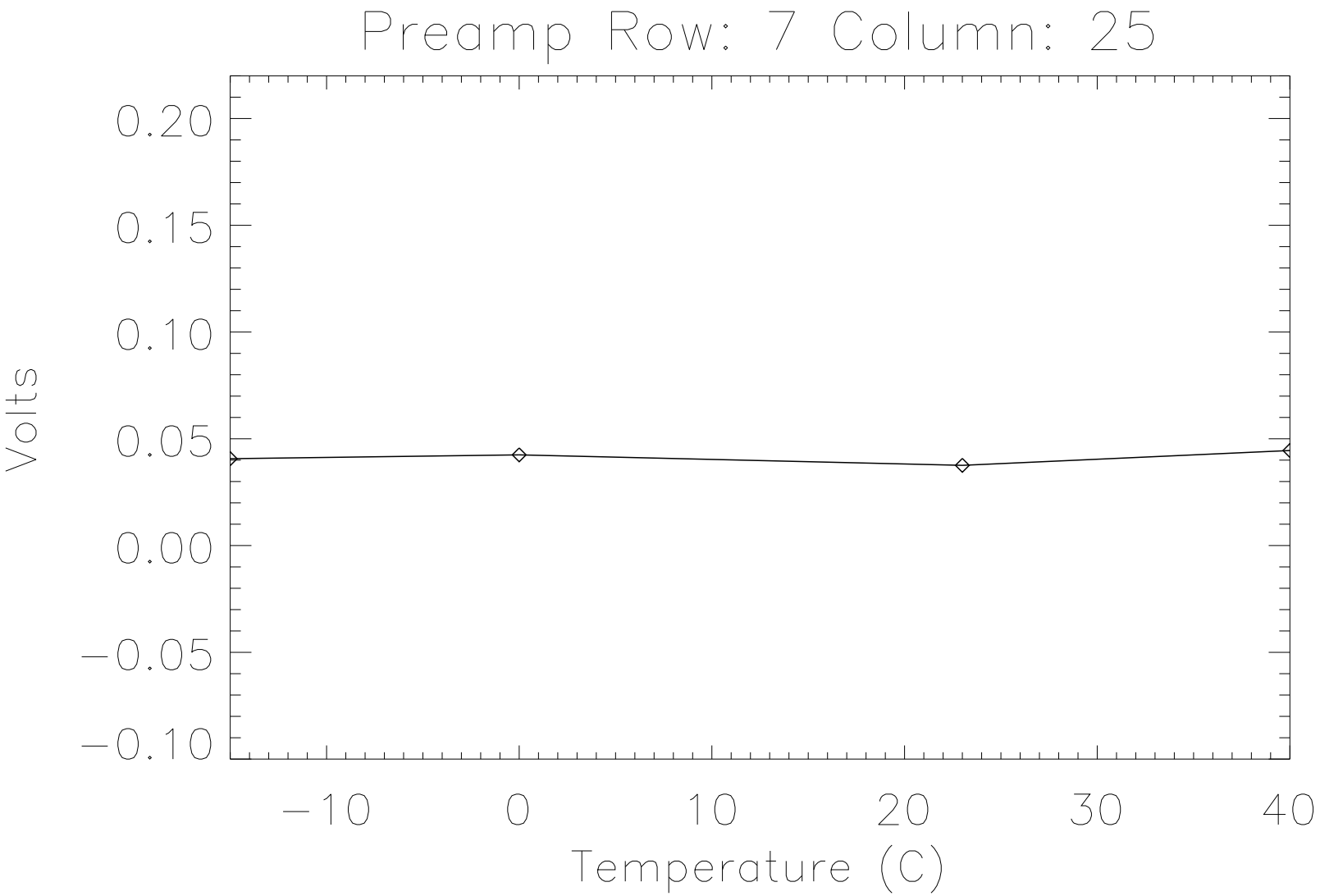

Shaper Row: 7 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

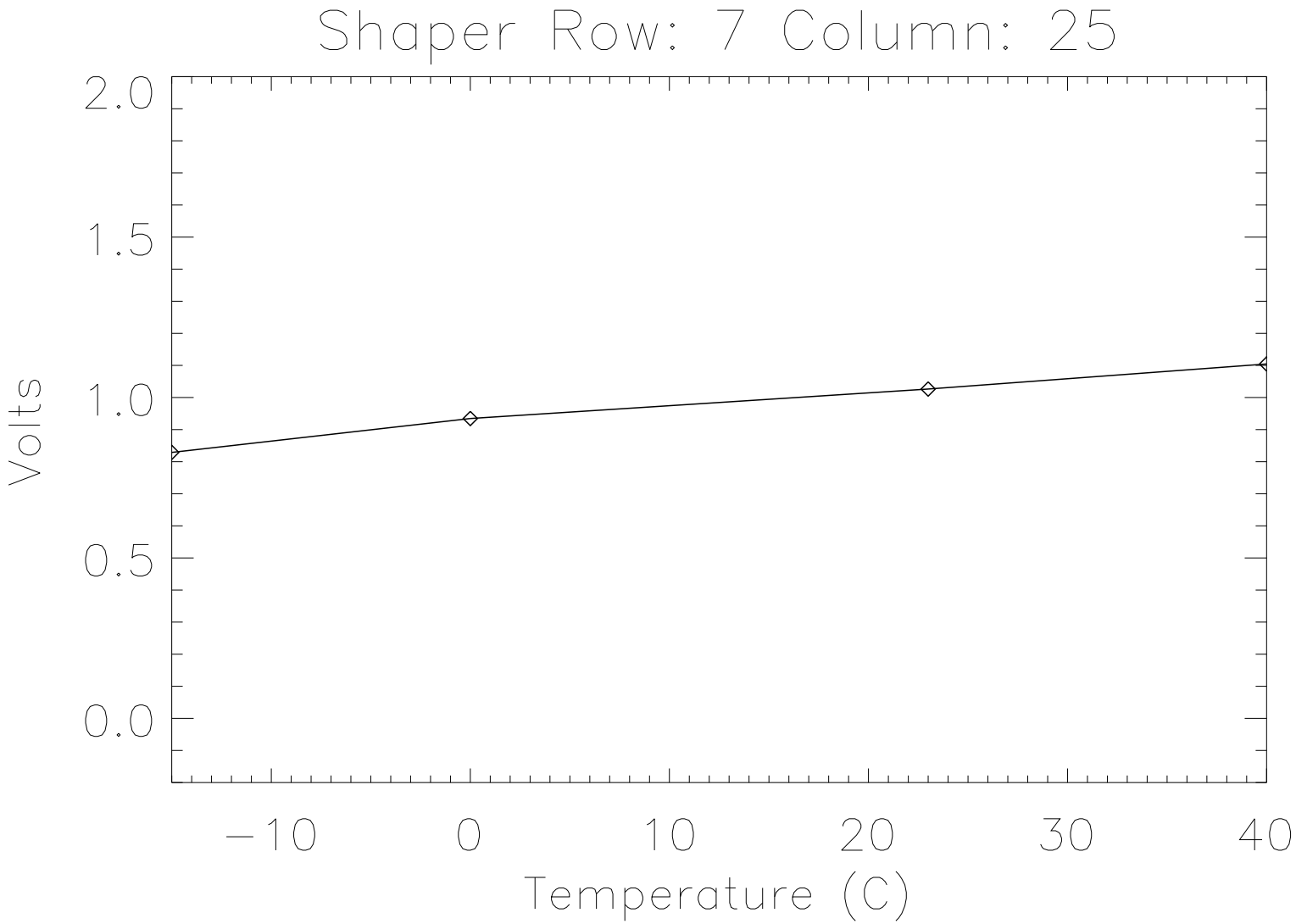

Leakage Row: 7 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

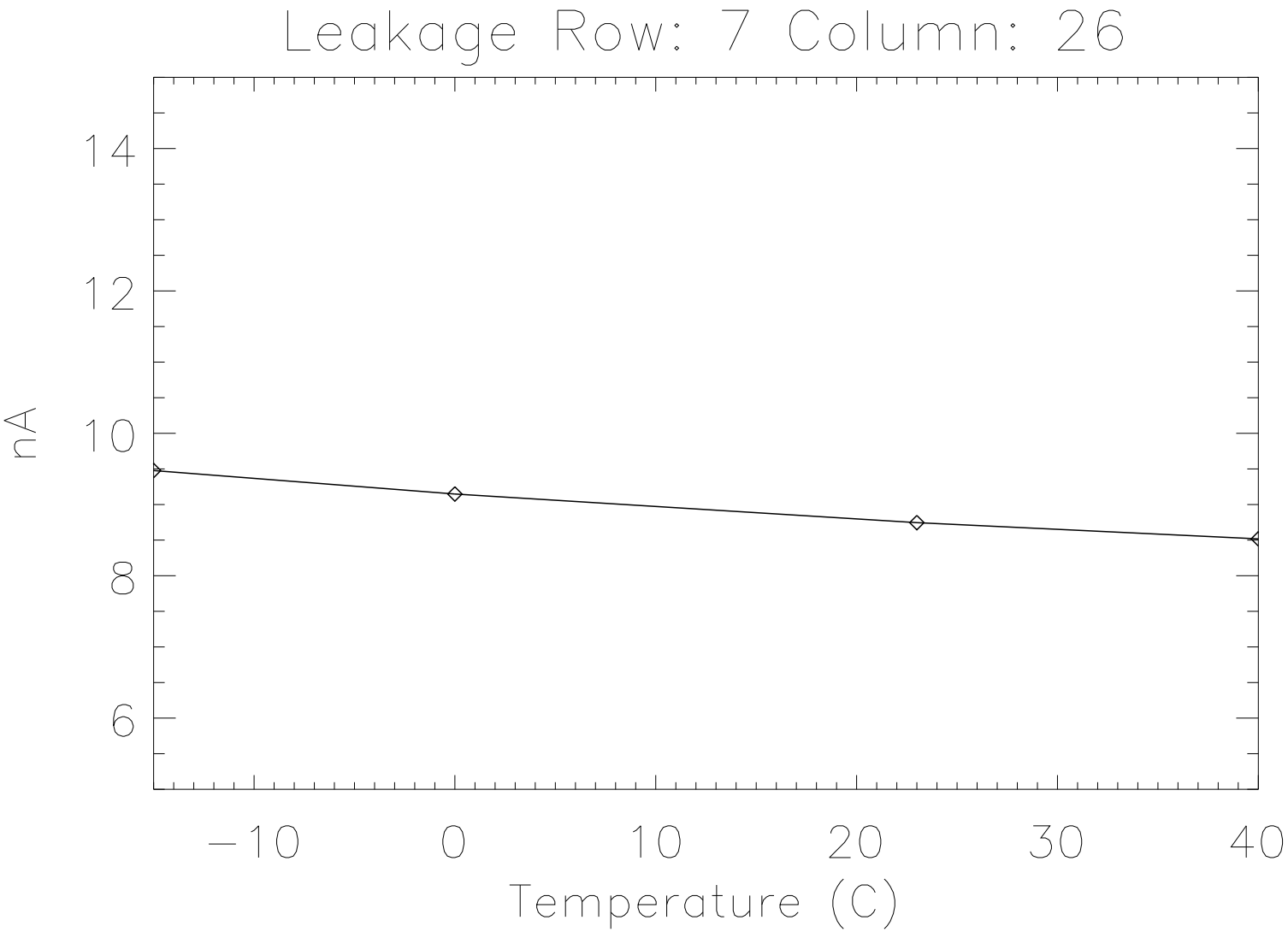

Preamp Row: 7 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

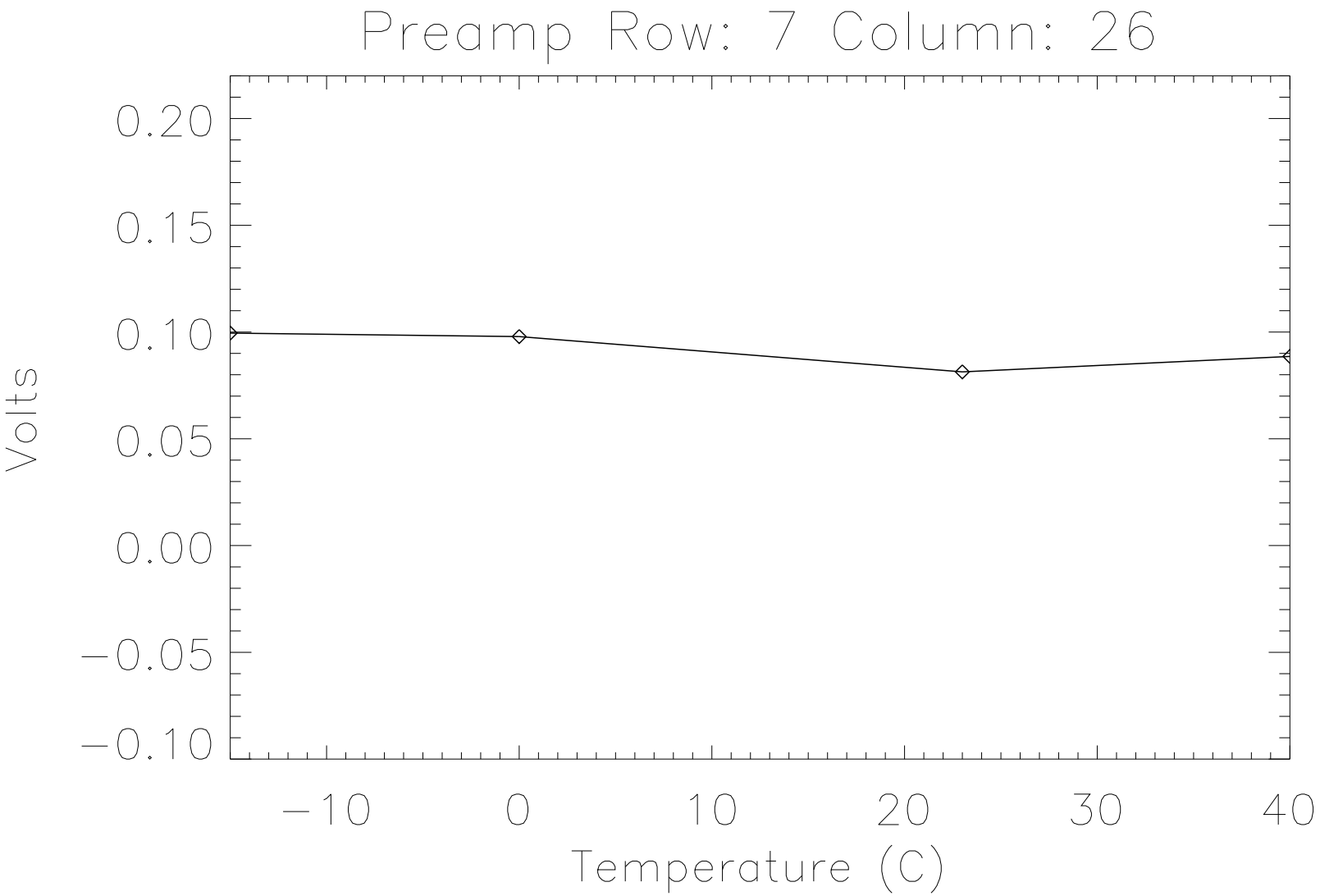

Shaper Row: 7 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

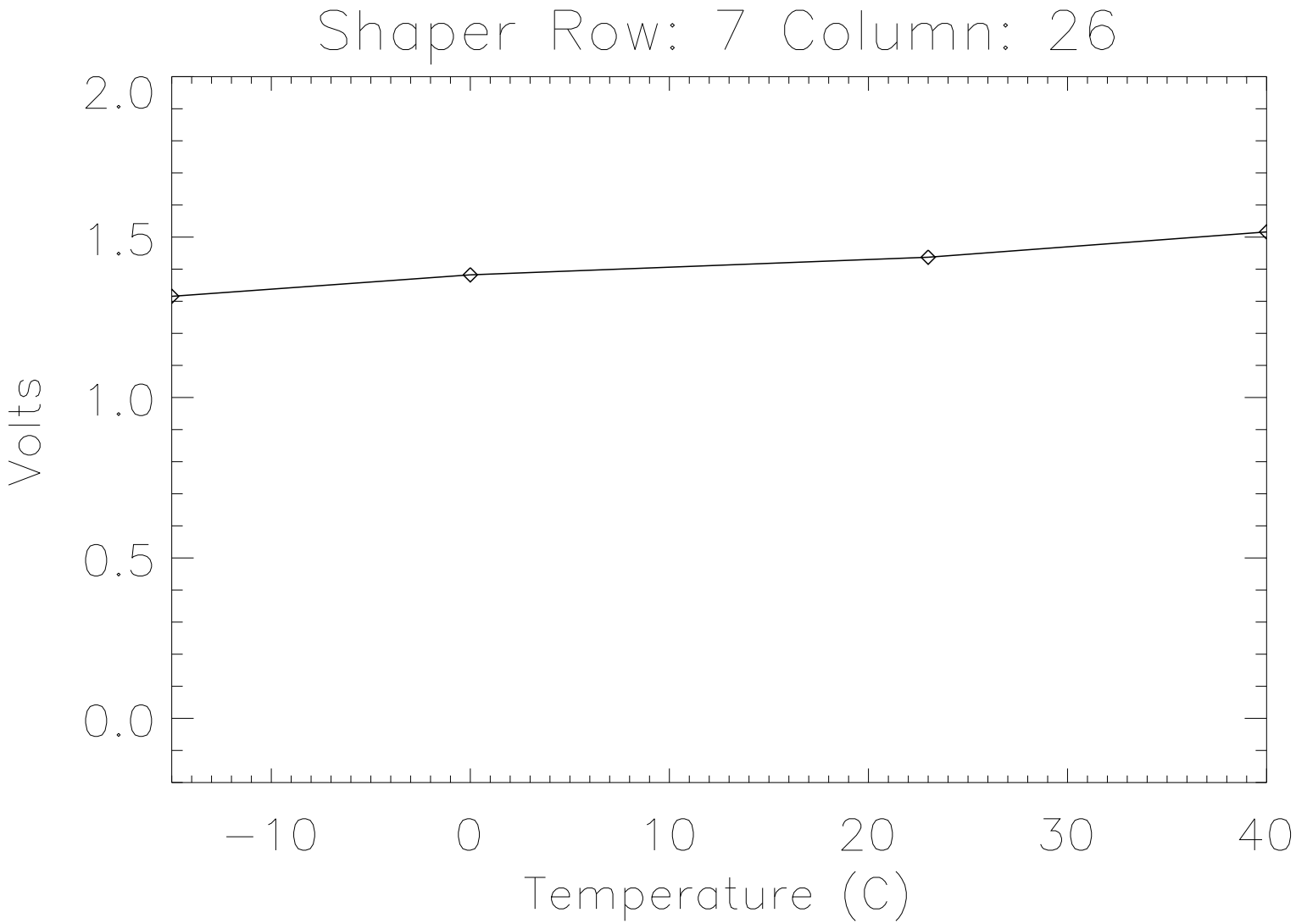

Leakage Row: 7 Column: 25
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

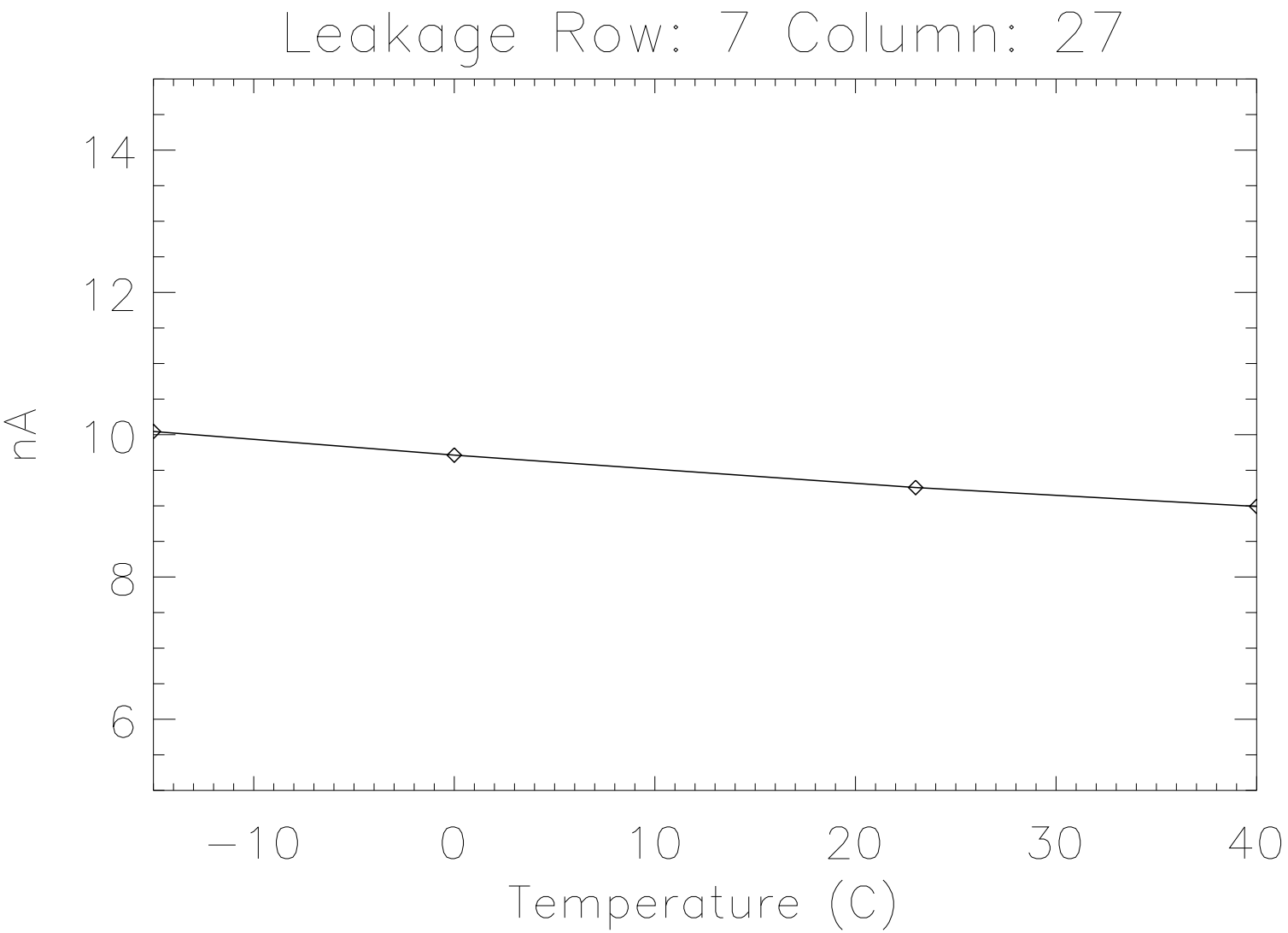

Preamp Row: 7 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

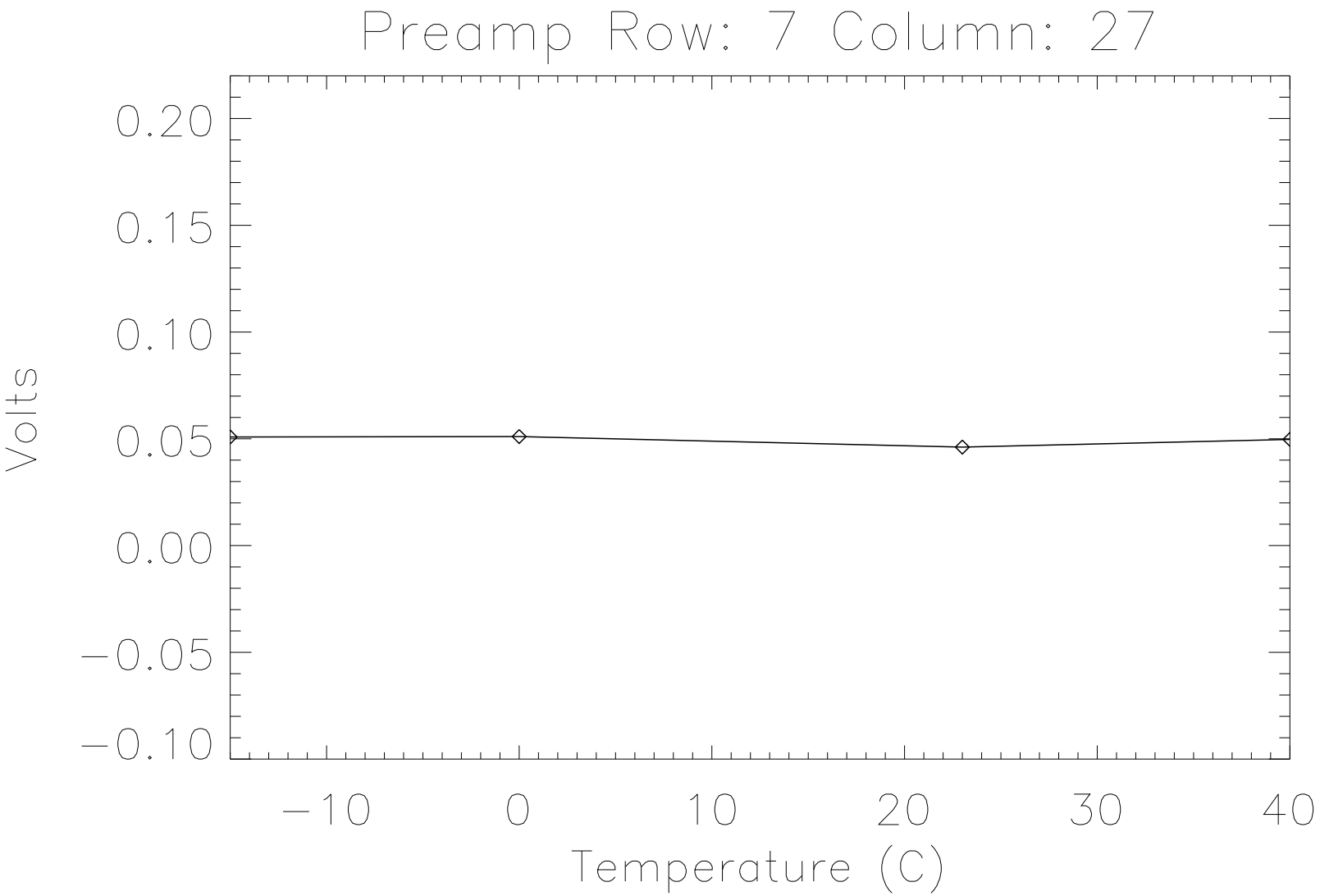

Shaper Row: 7 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

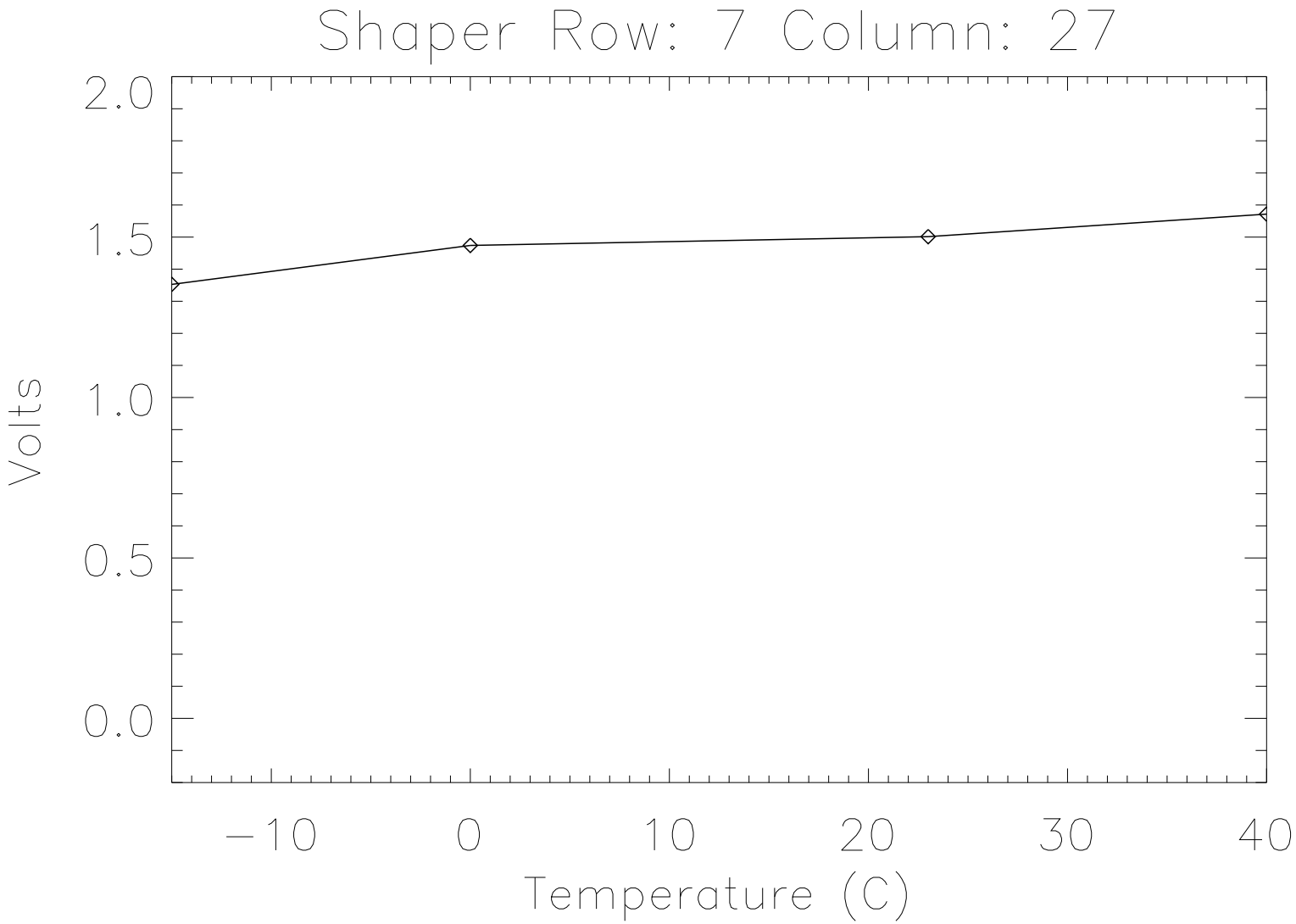

Leakage Row: 7 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

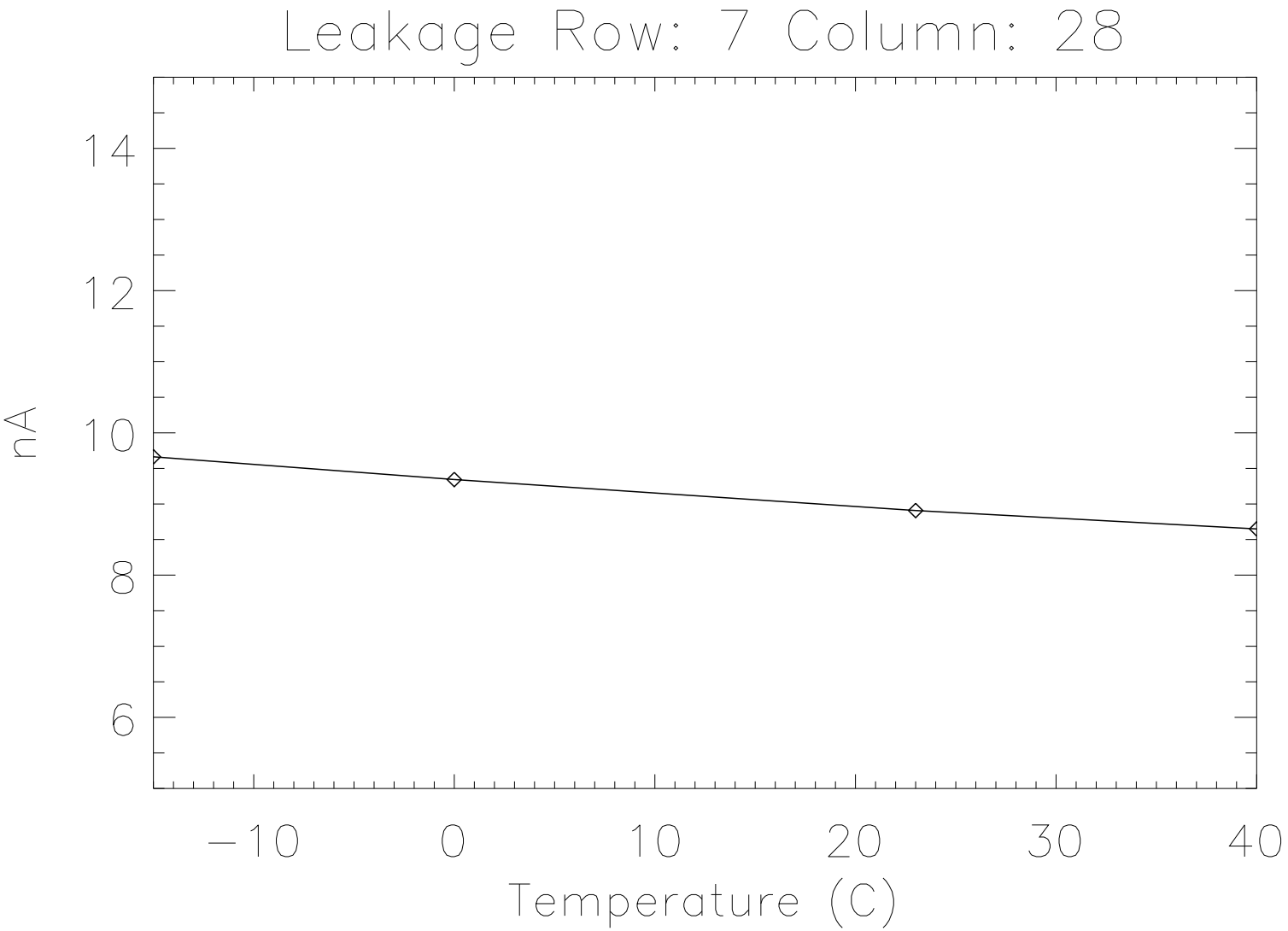

Preamp Row: 7 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

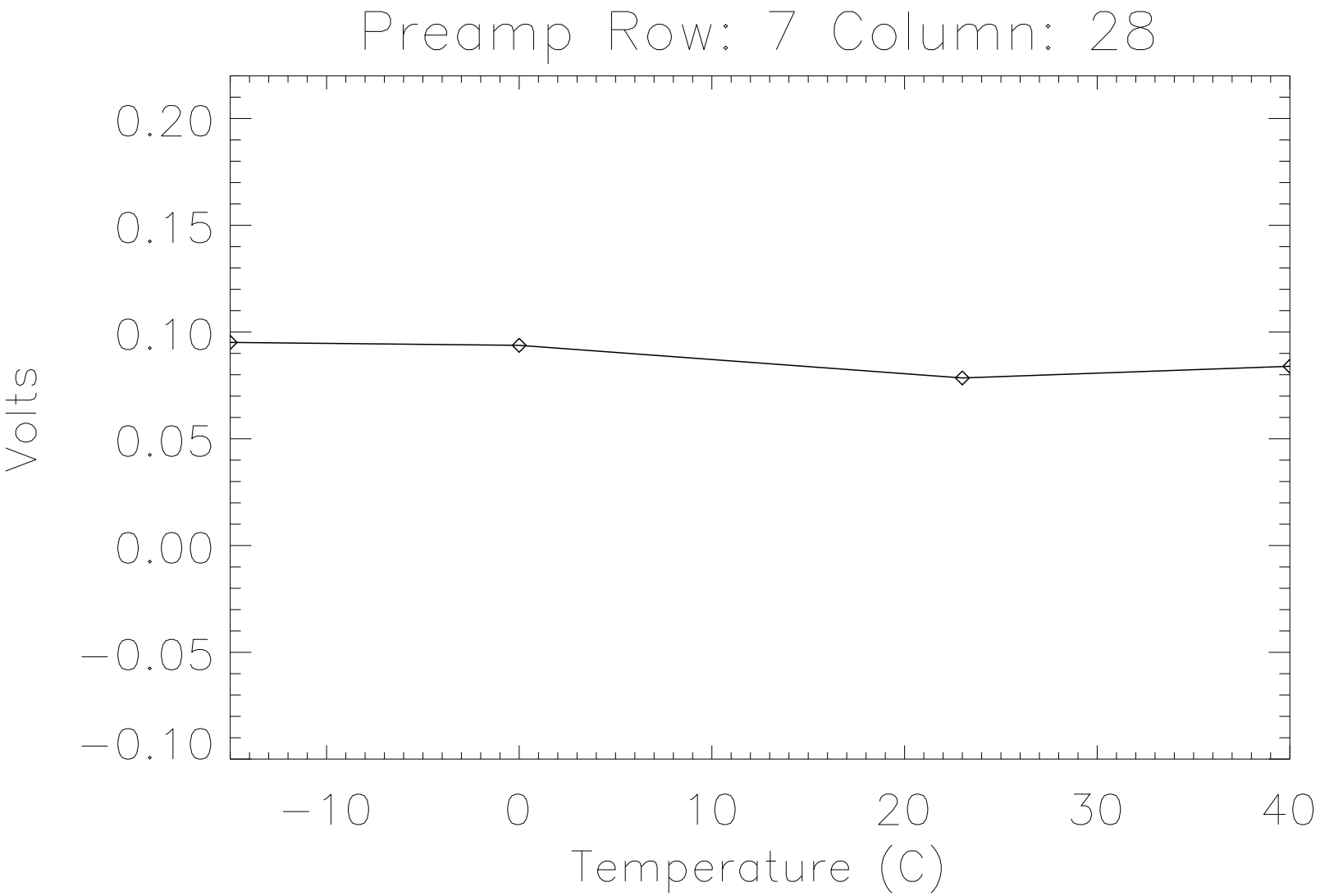

Shaper Row: 7 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

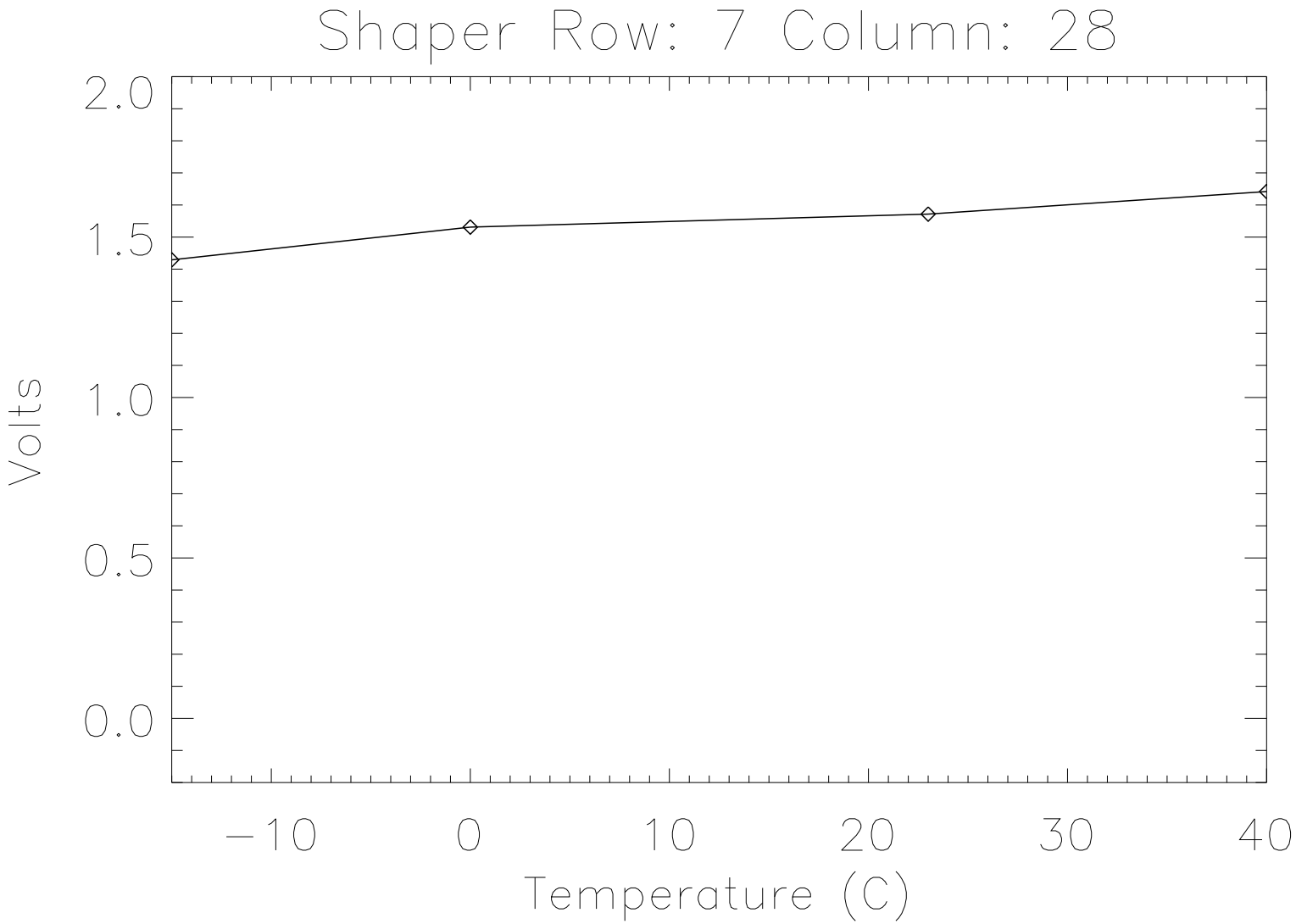

Leakage Row: 7 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

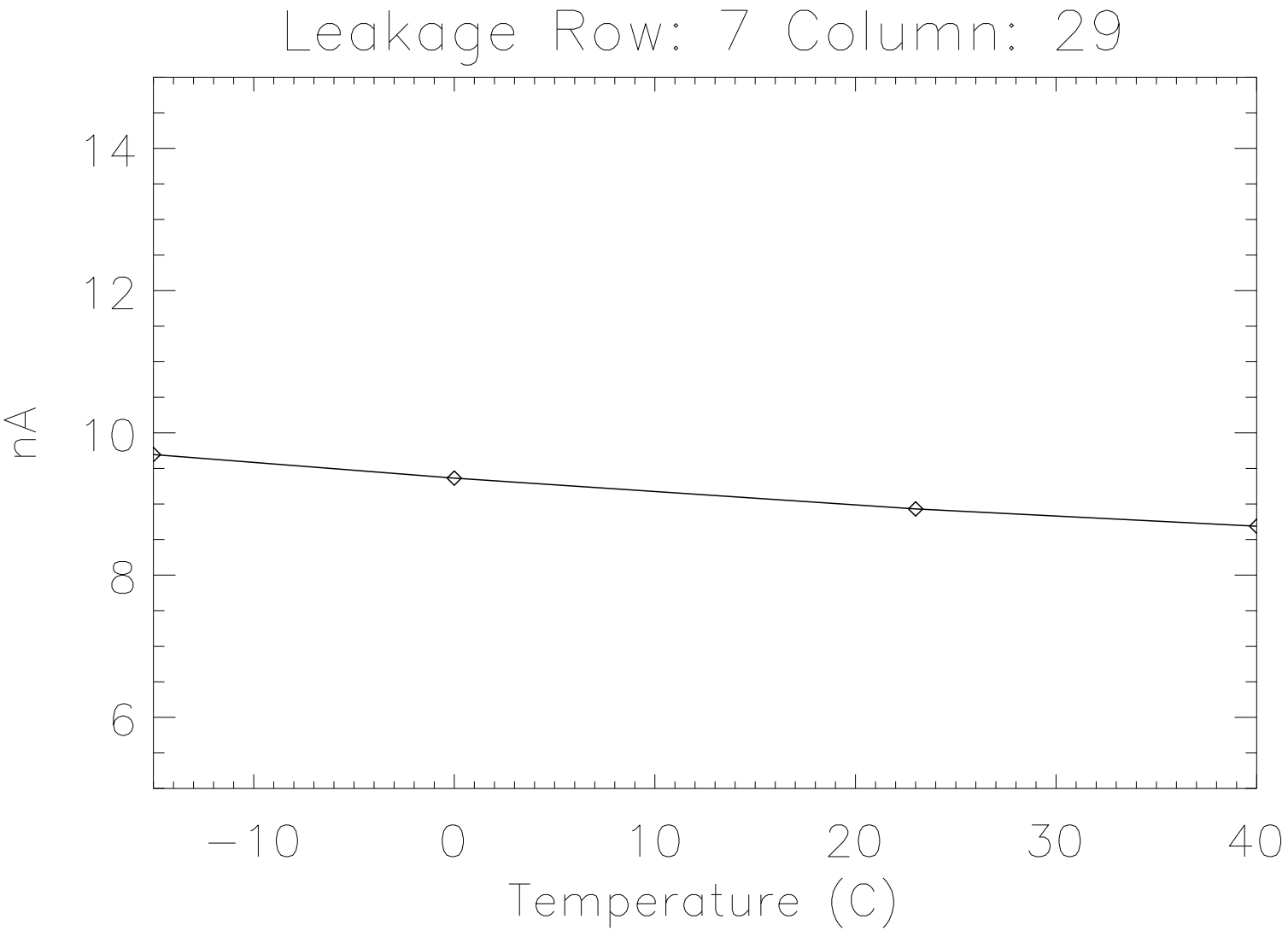

Preamp Row: 7 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 7 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 7 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 7 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 7 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 7 Column: 29
nA
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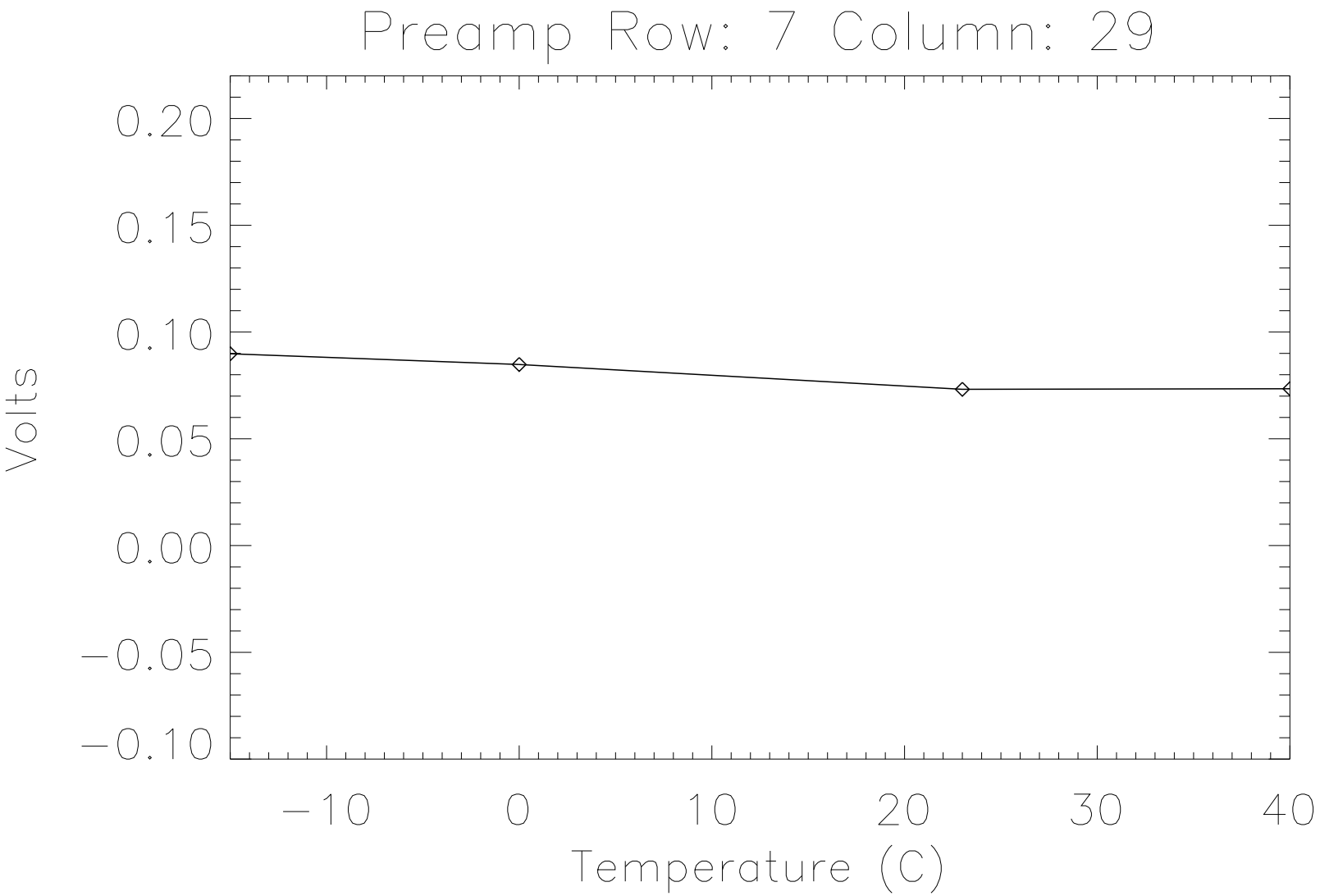
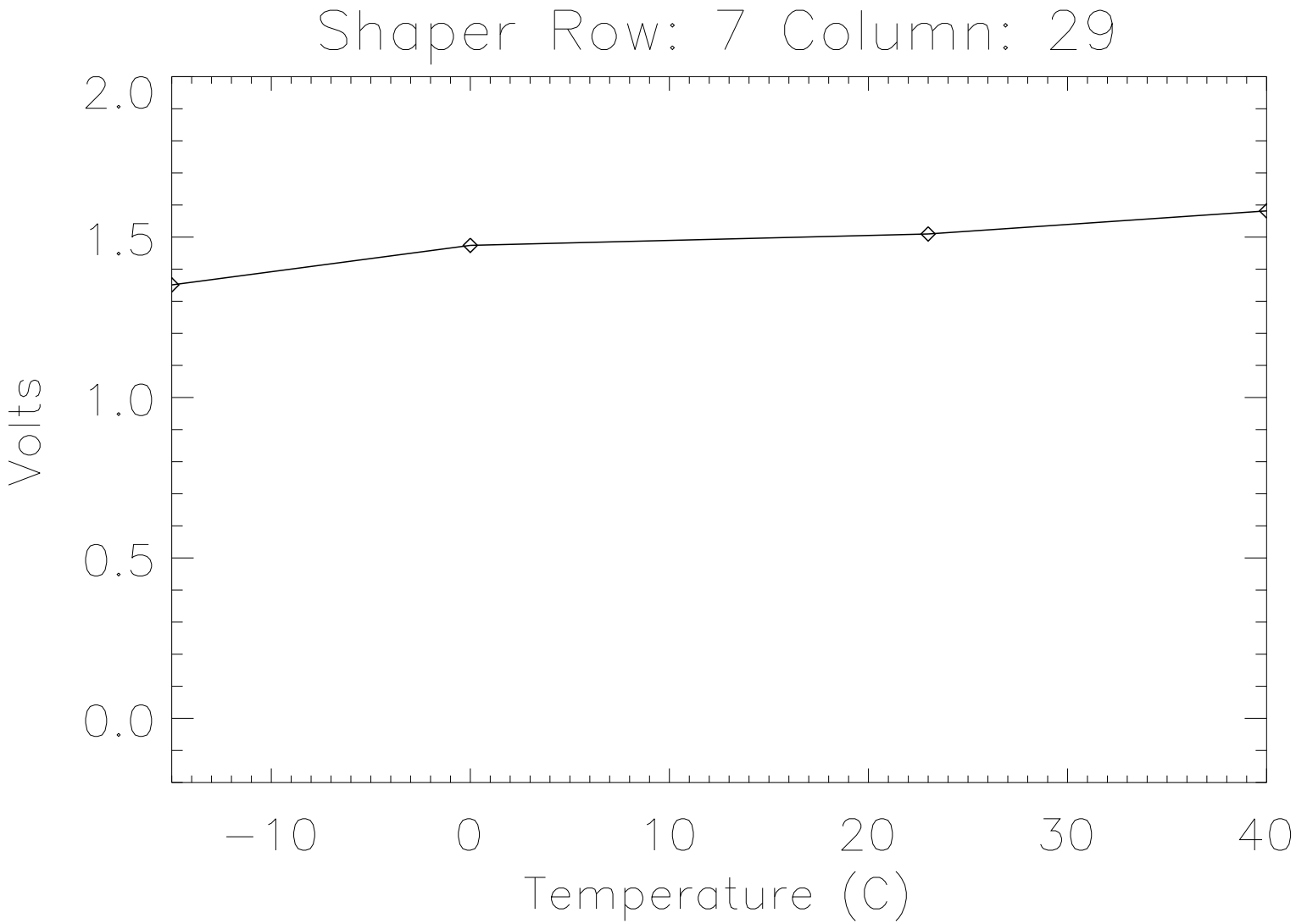
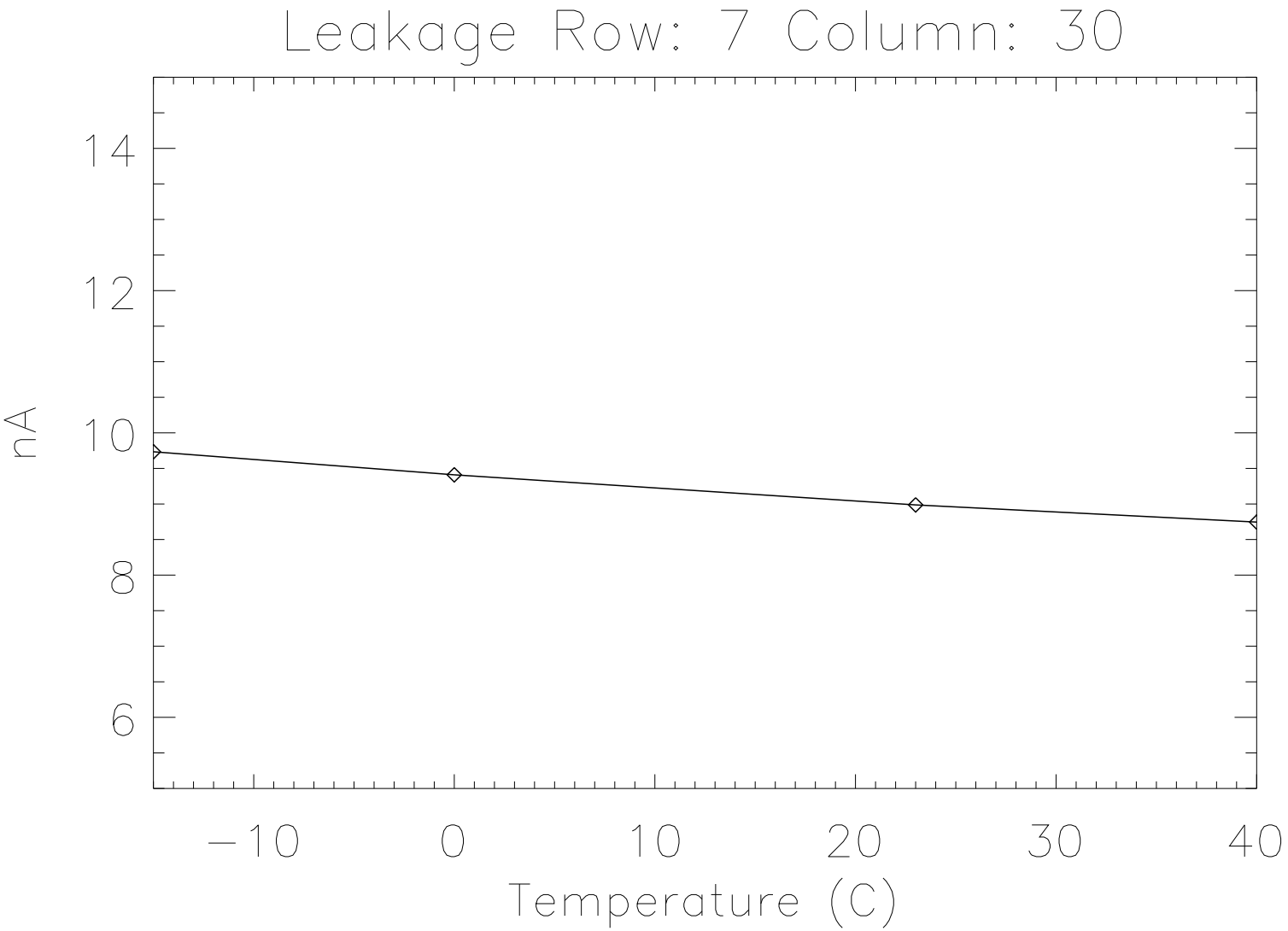
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 7 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 7 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 7 Column: 30
nA
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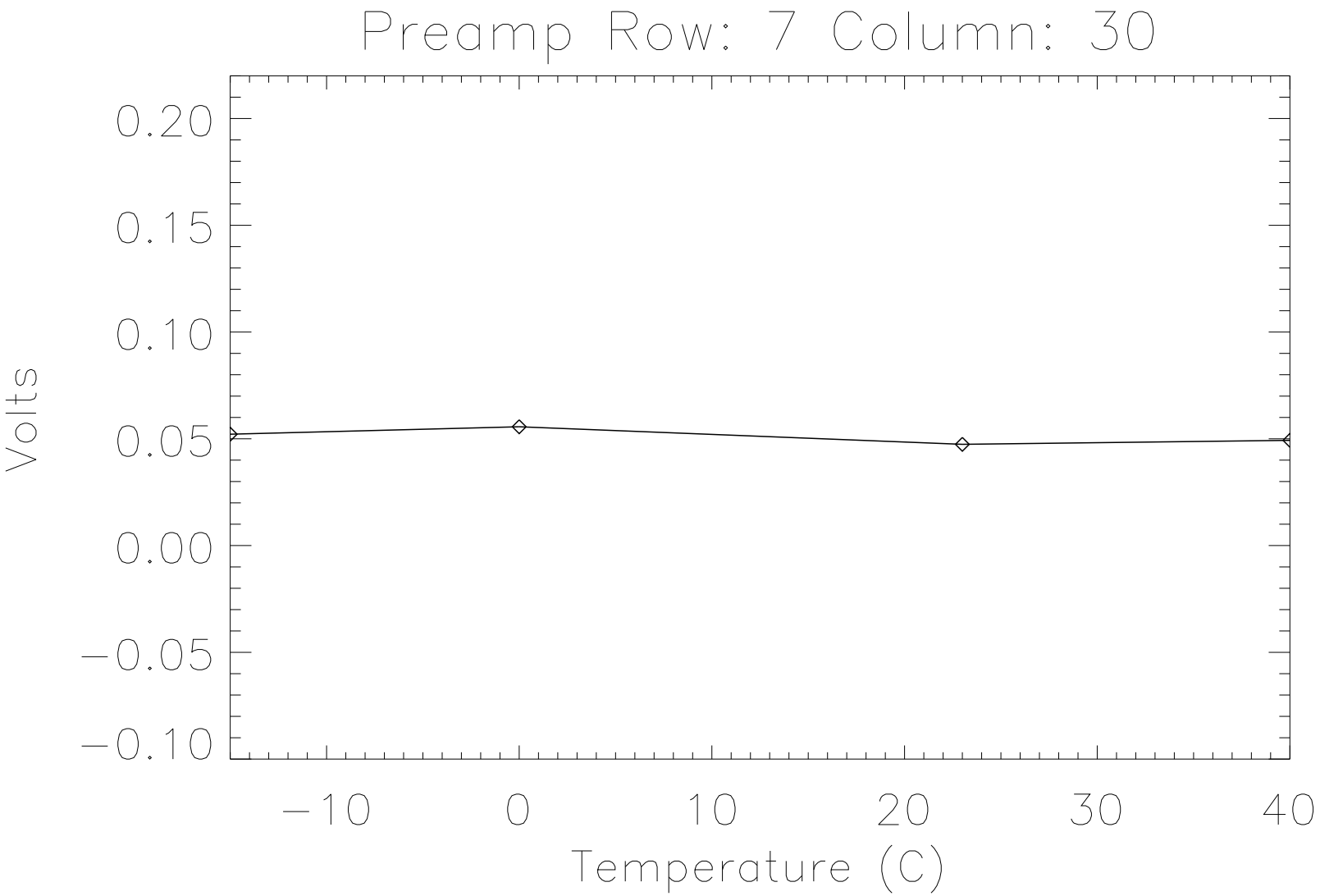
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 7 Column: 30
Volts
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0.15
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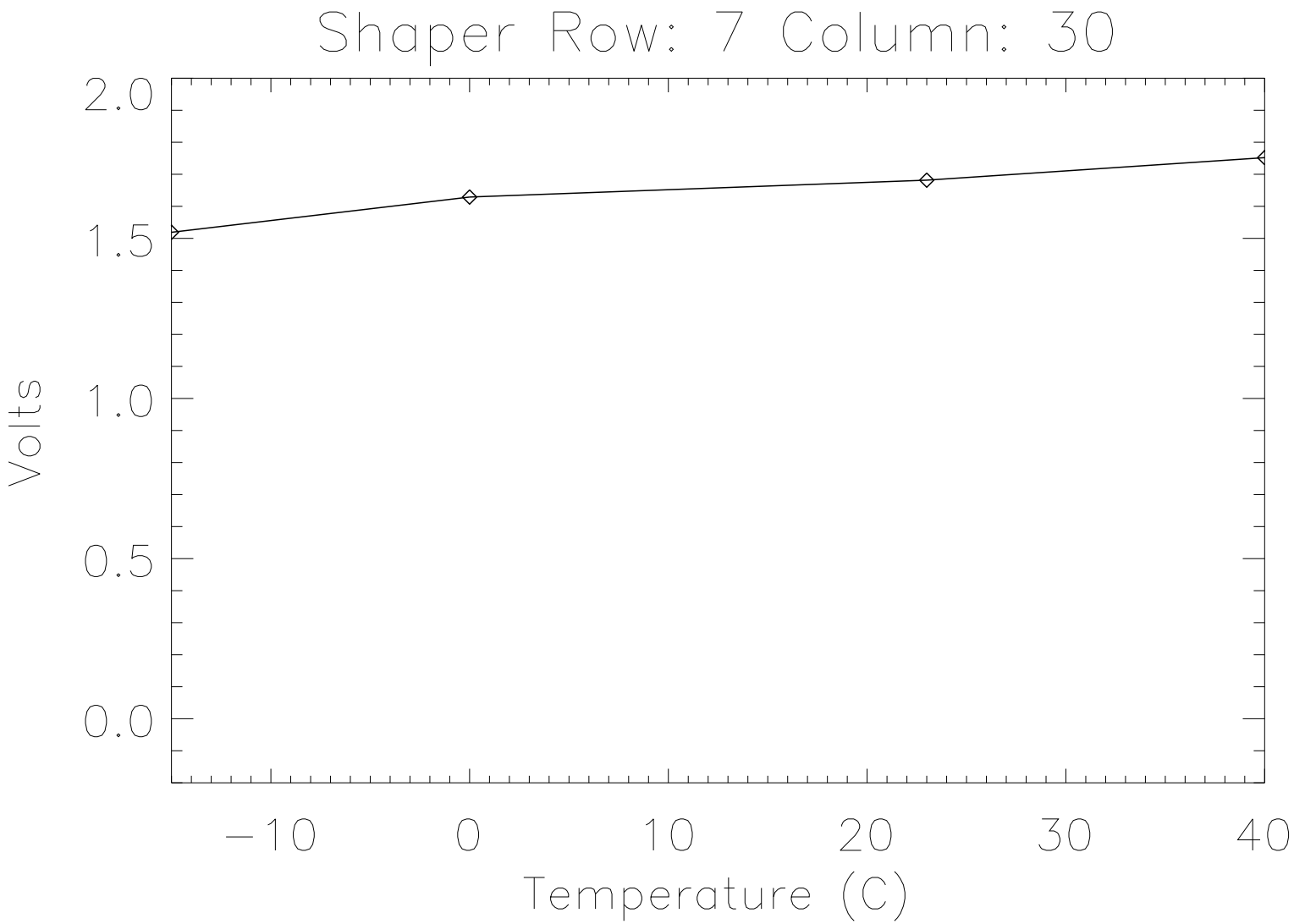
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 7 Column: 30
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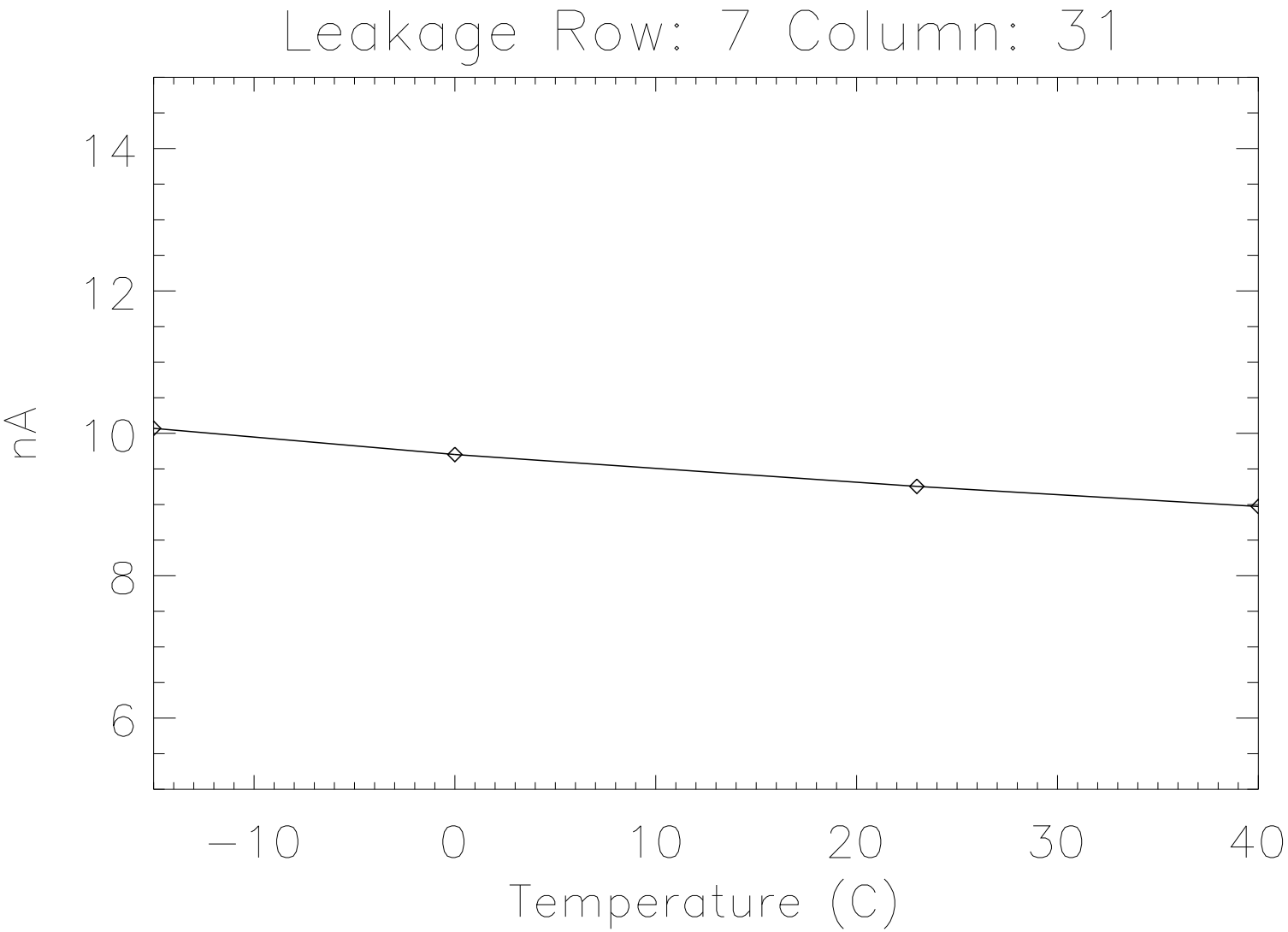
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 7 Column: 31
nA
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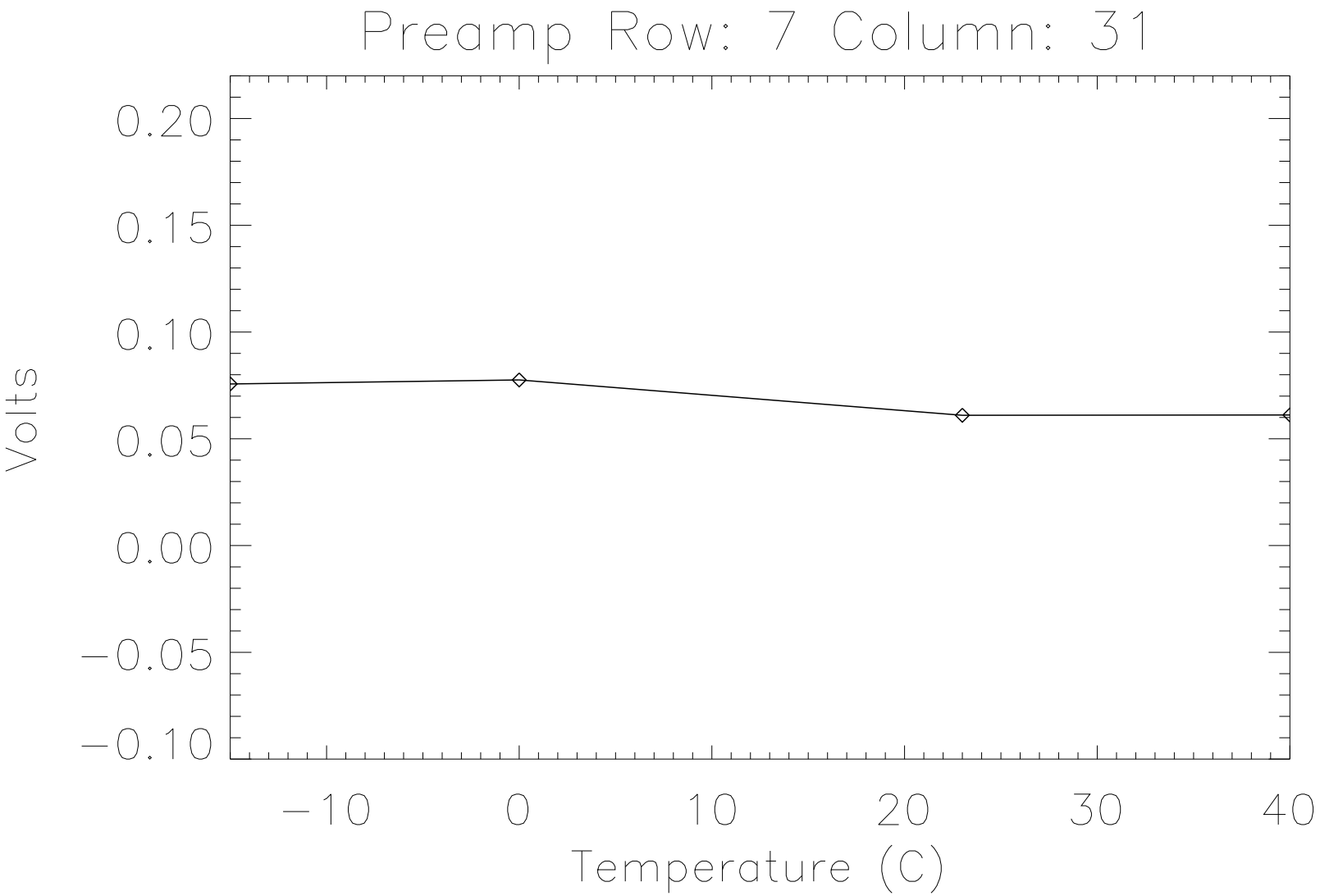
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 7 Column: 31
Volts
0.20
0.15
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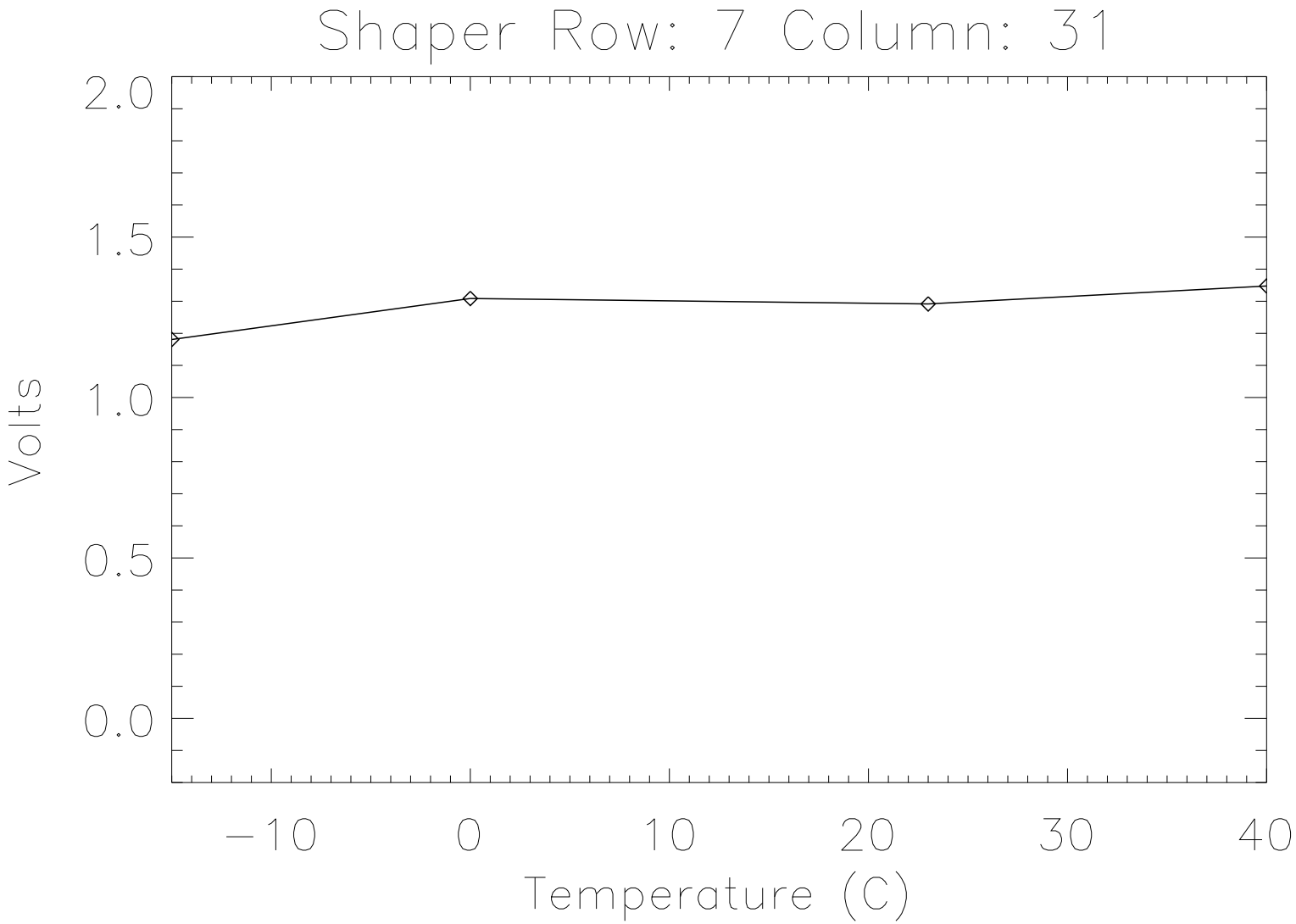
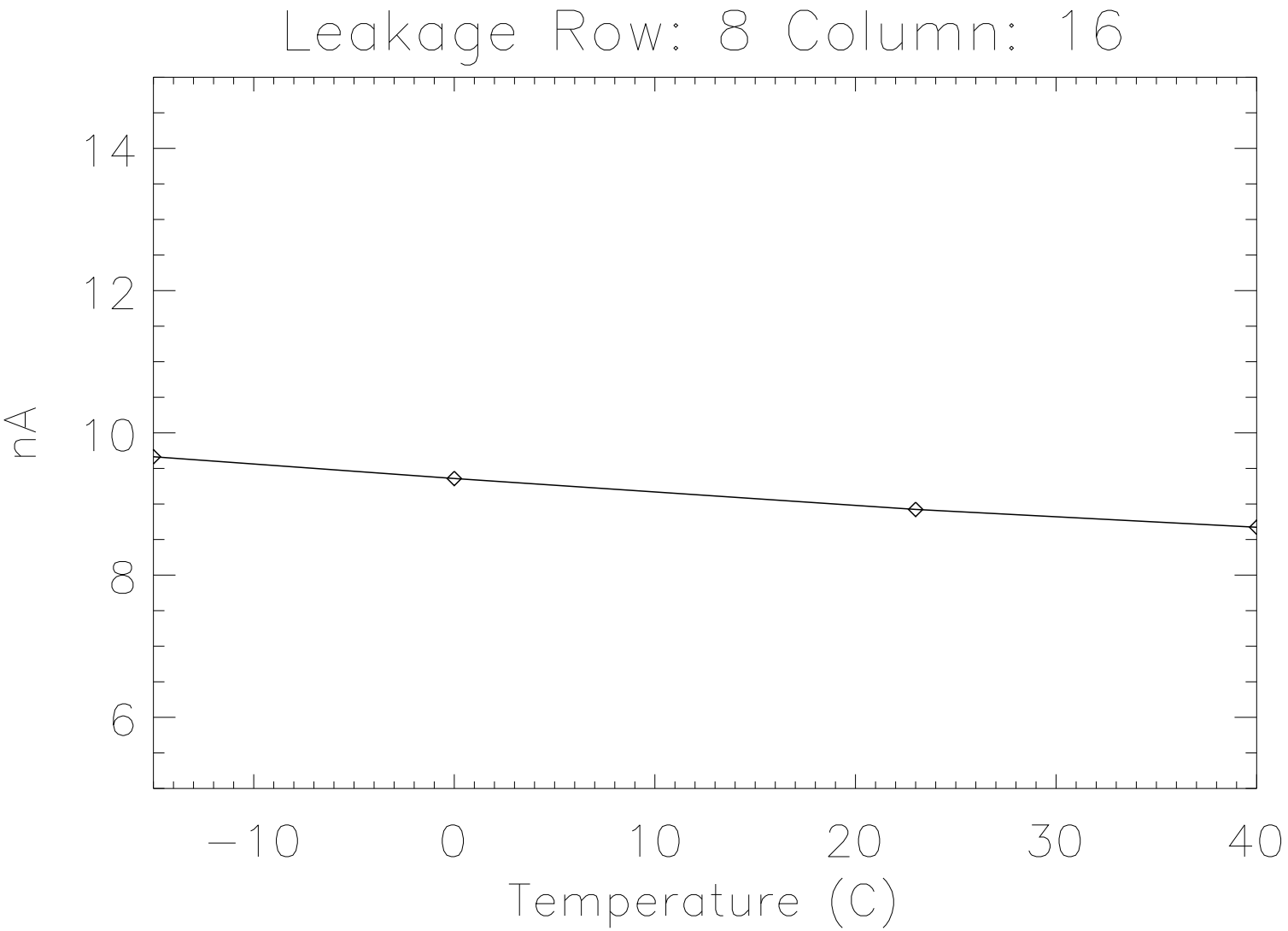
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 7 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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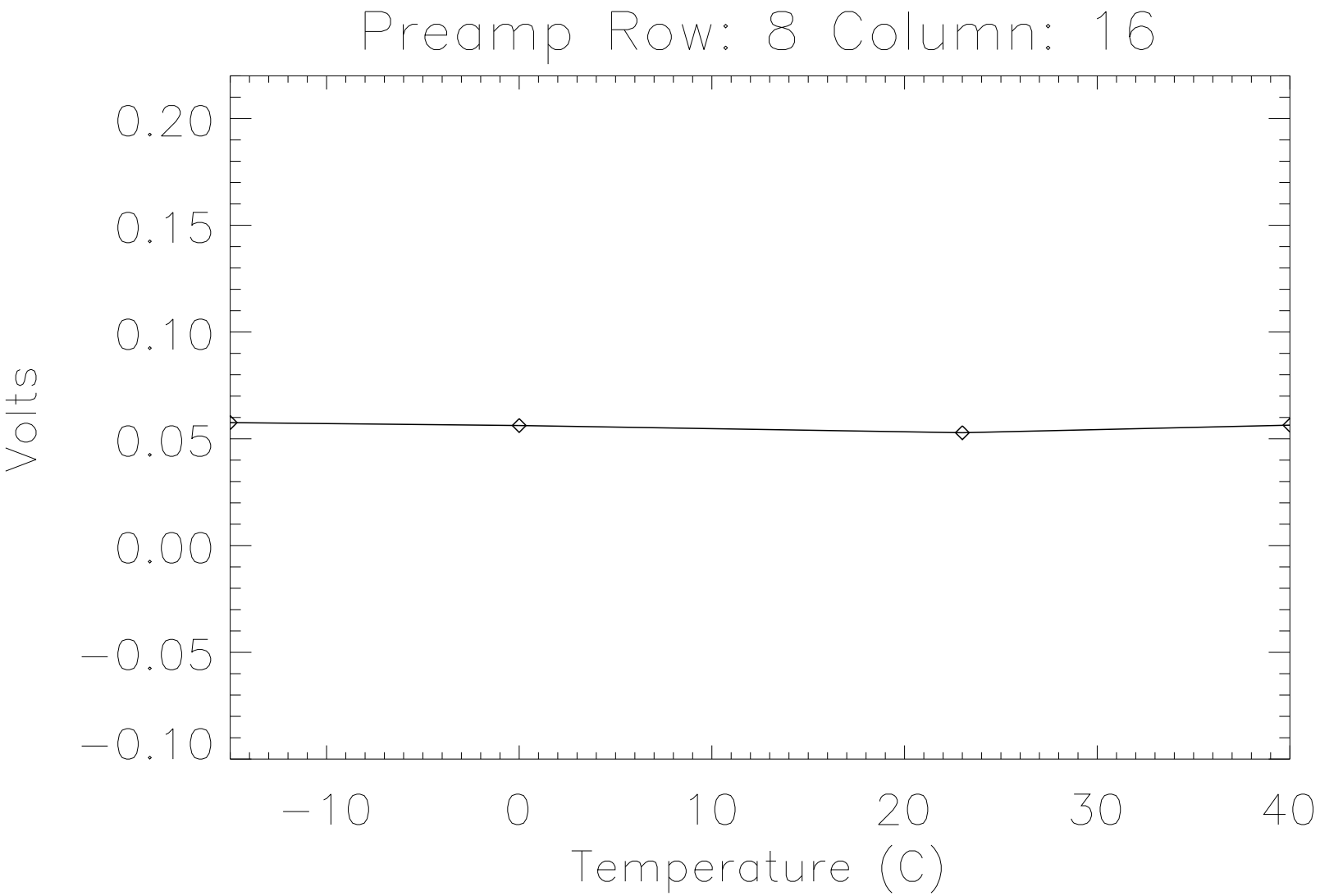
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 8 Column: 16
Volts
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0.15
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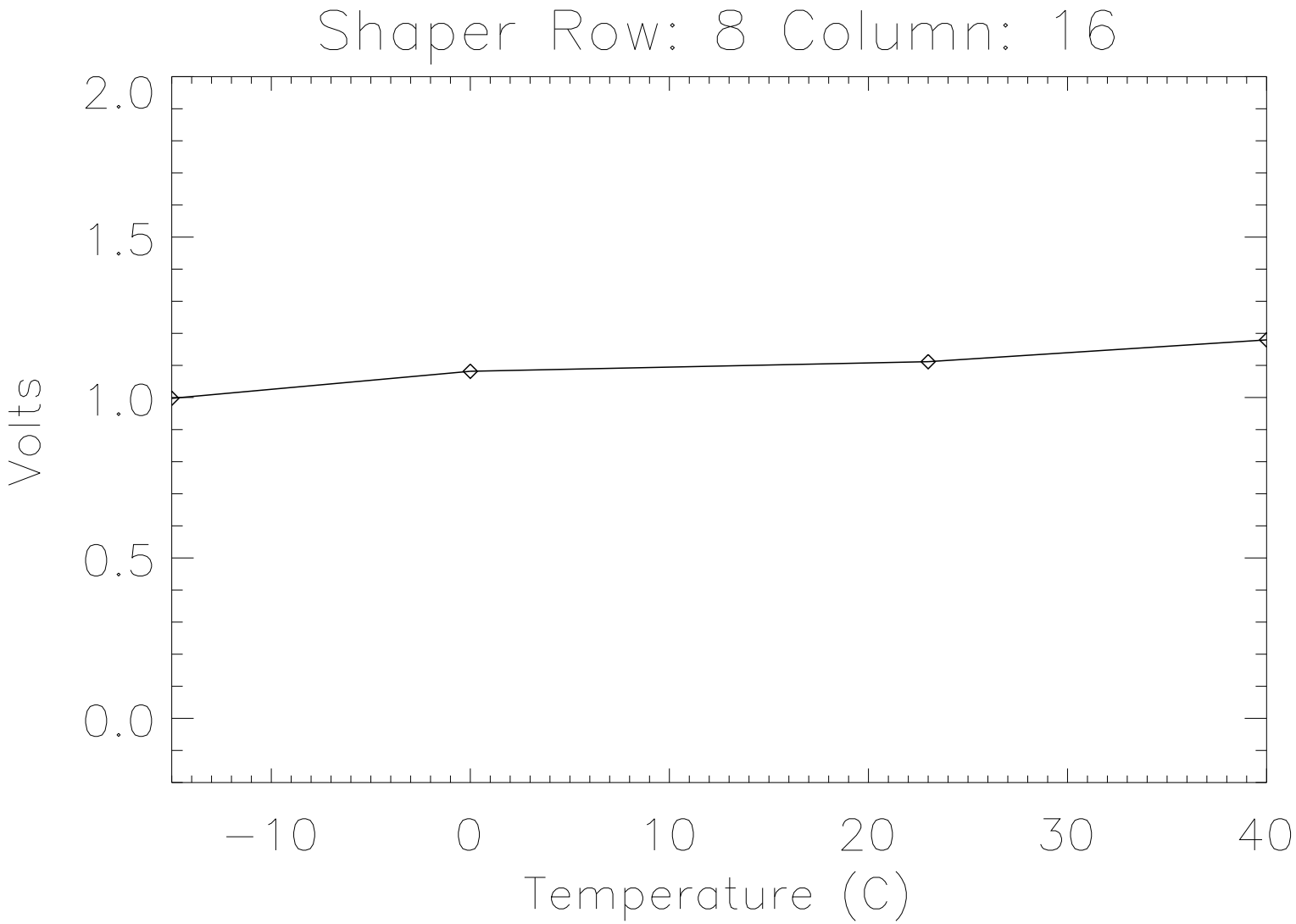
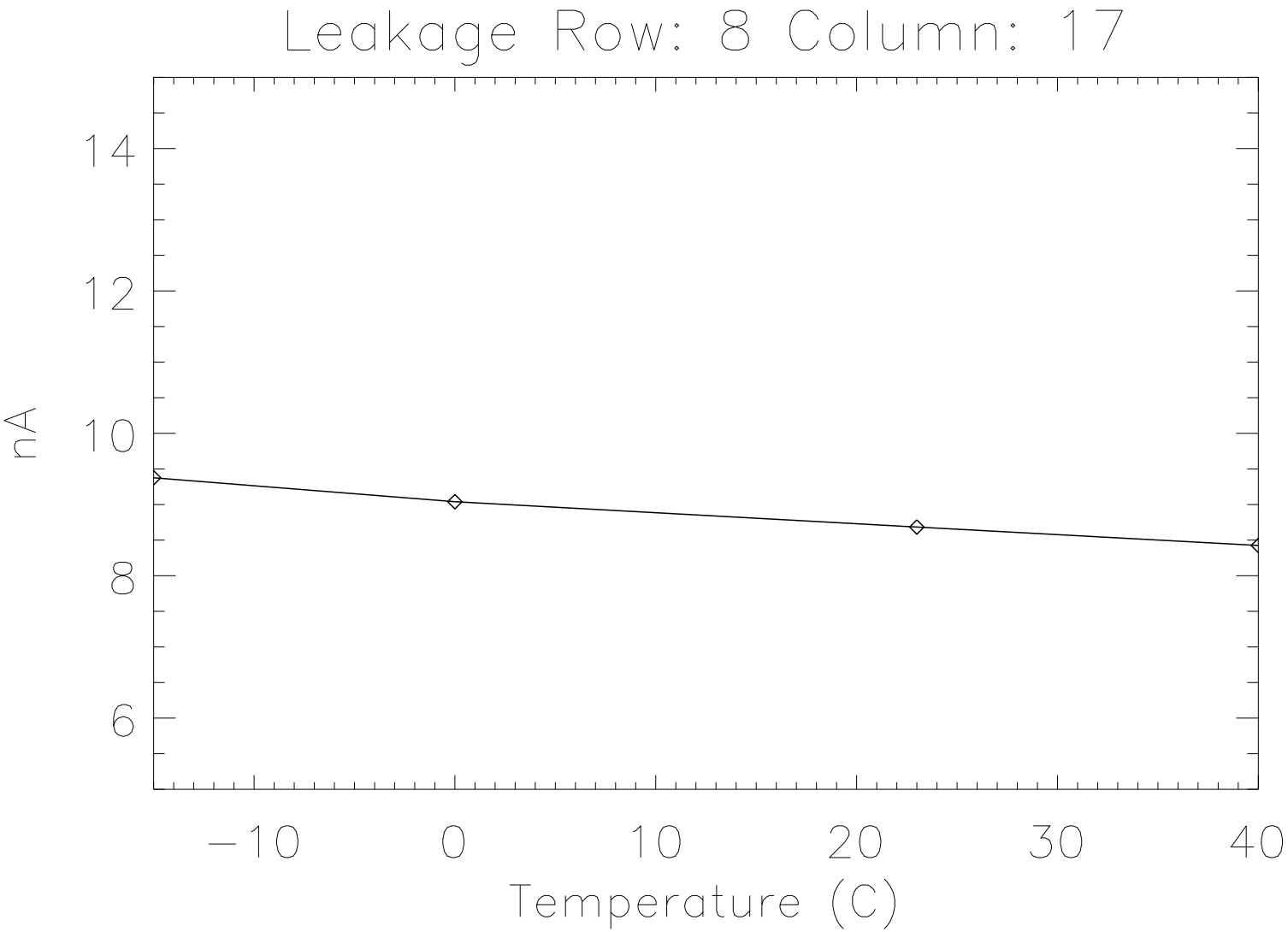
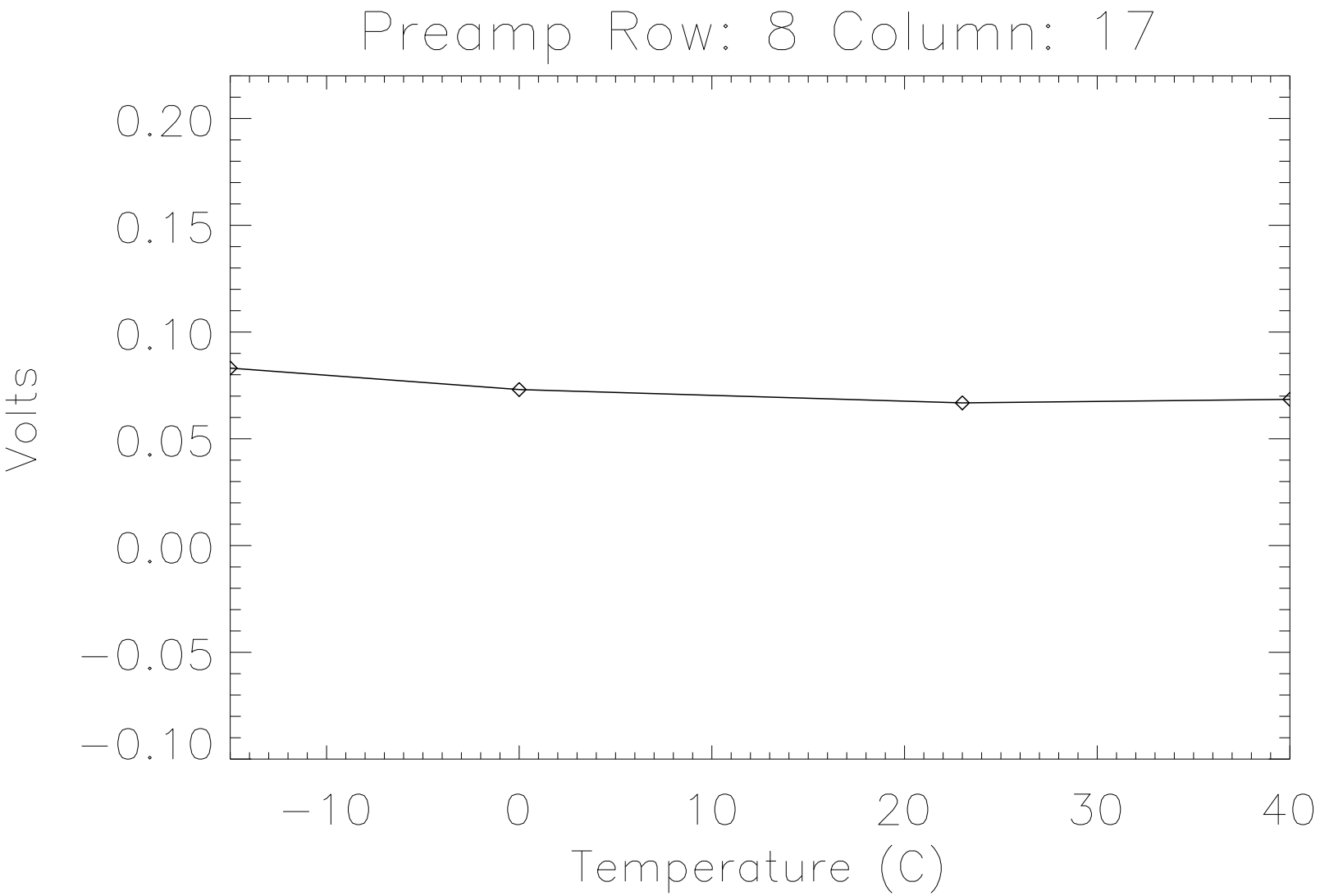
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 8 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 8 Column: 17
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 8 Column: 17
0.20
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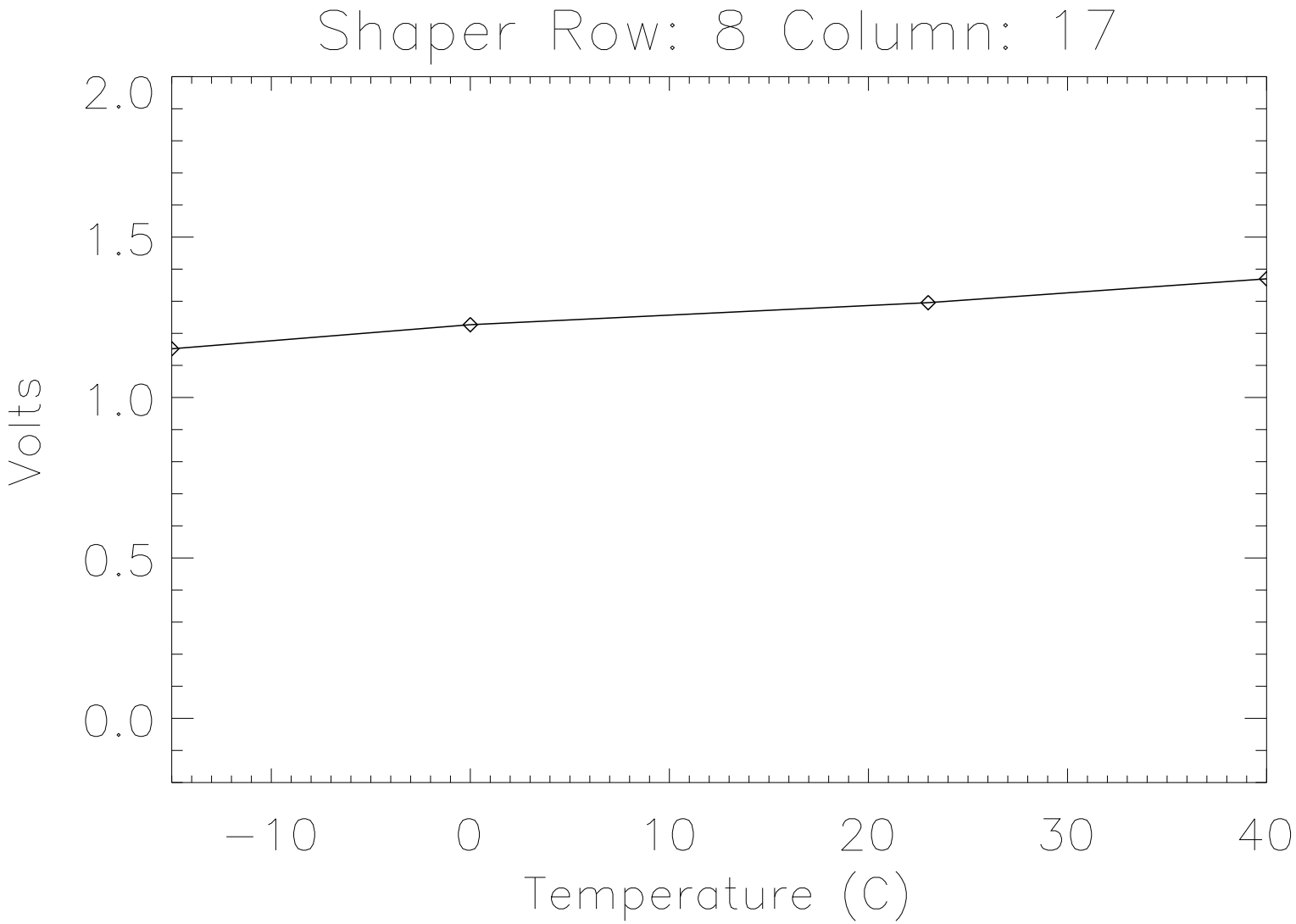
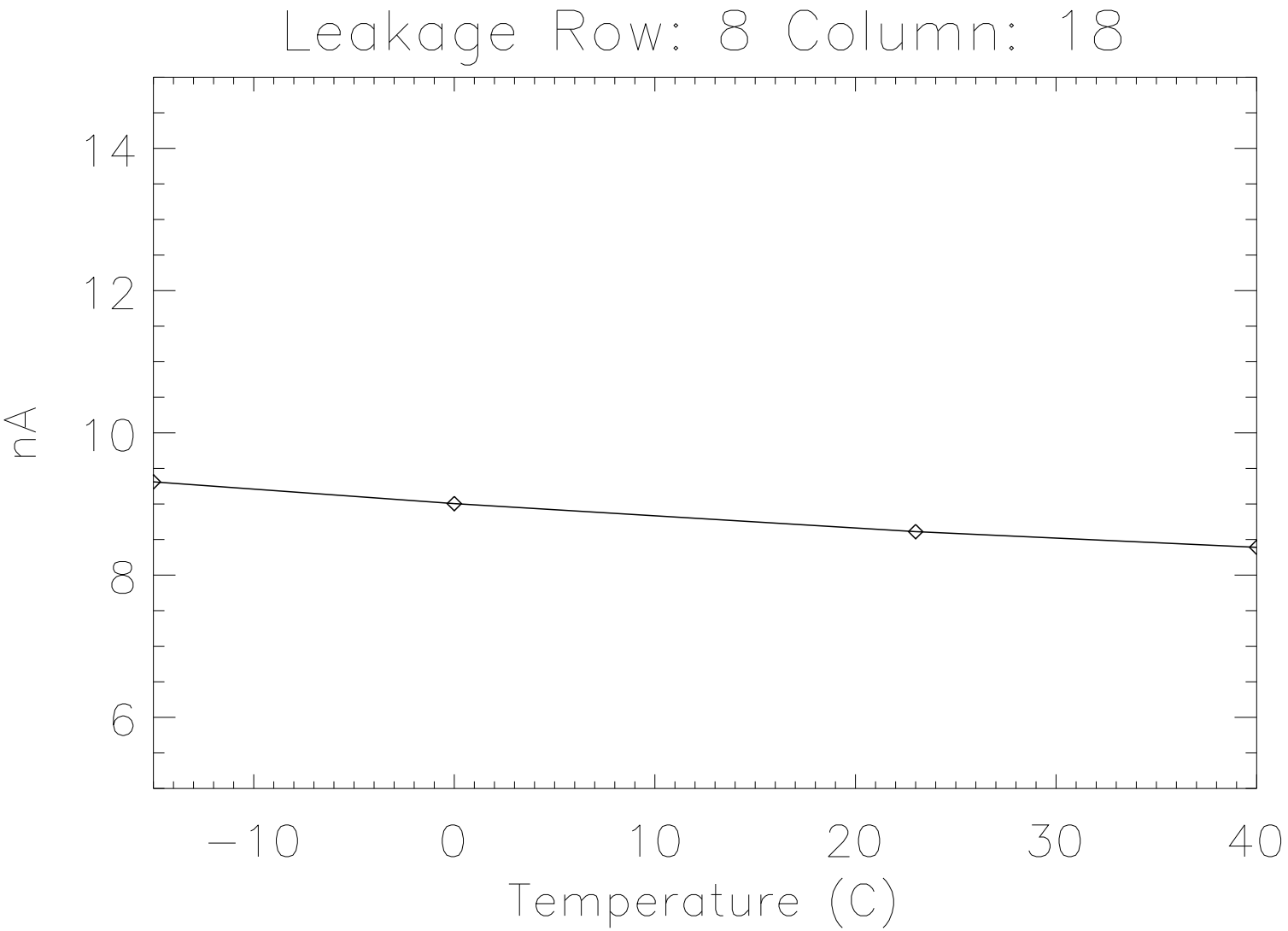
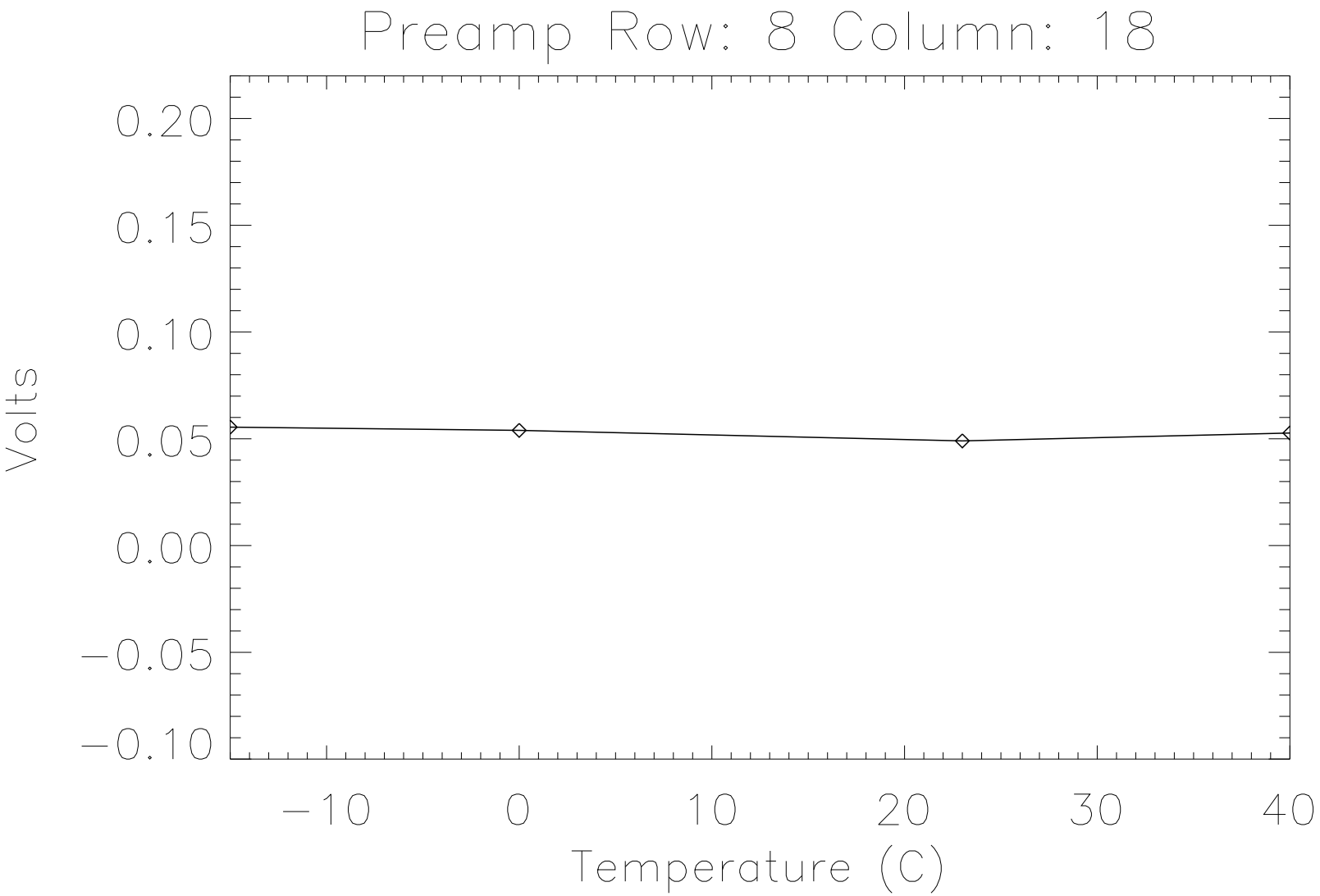
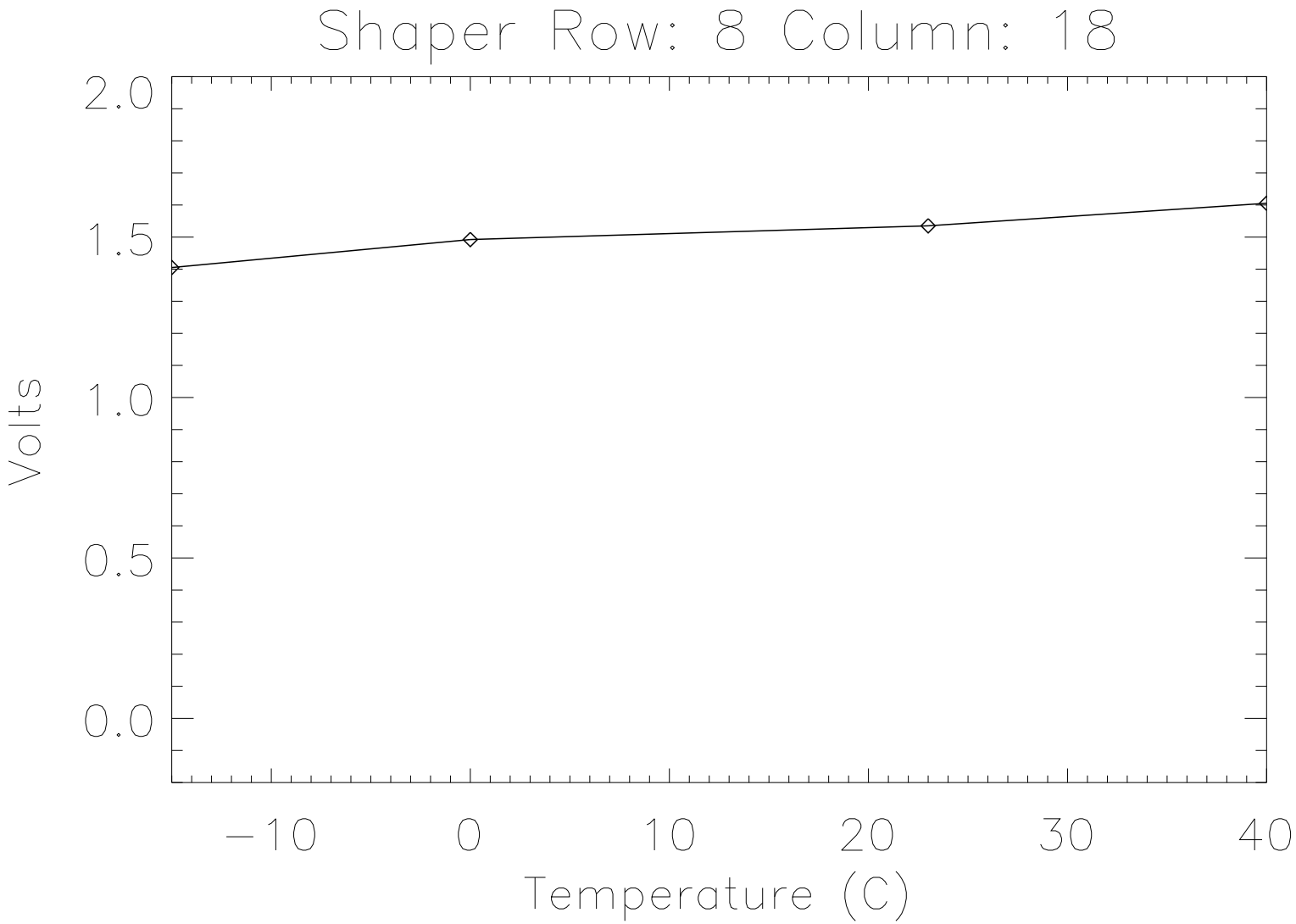
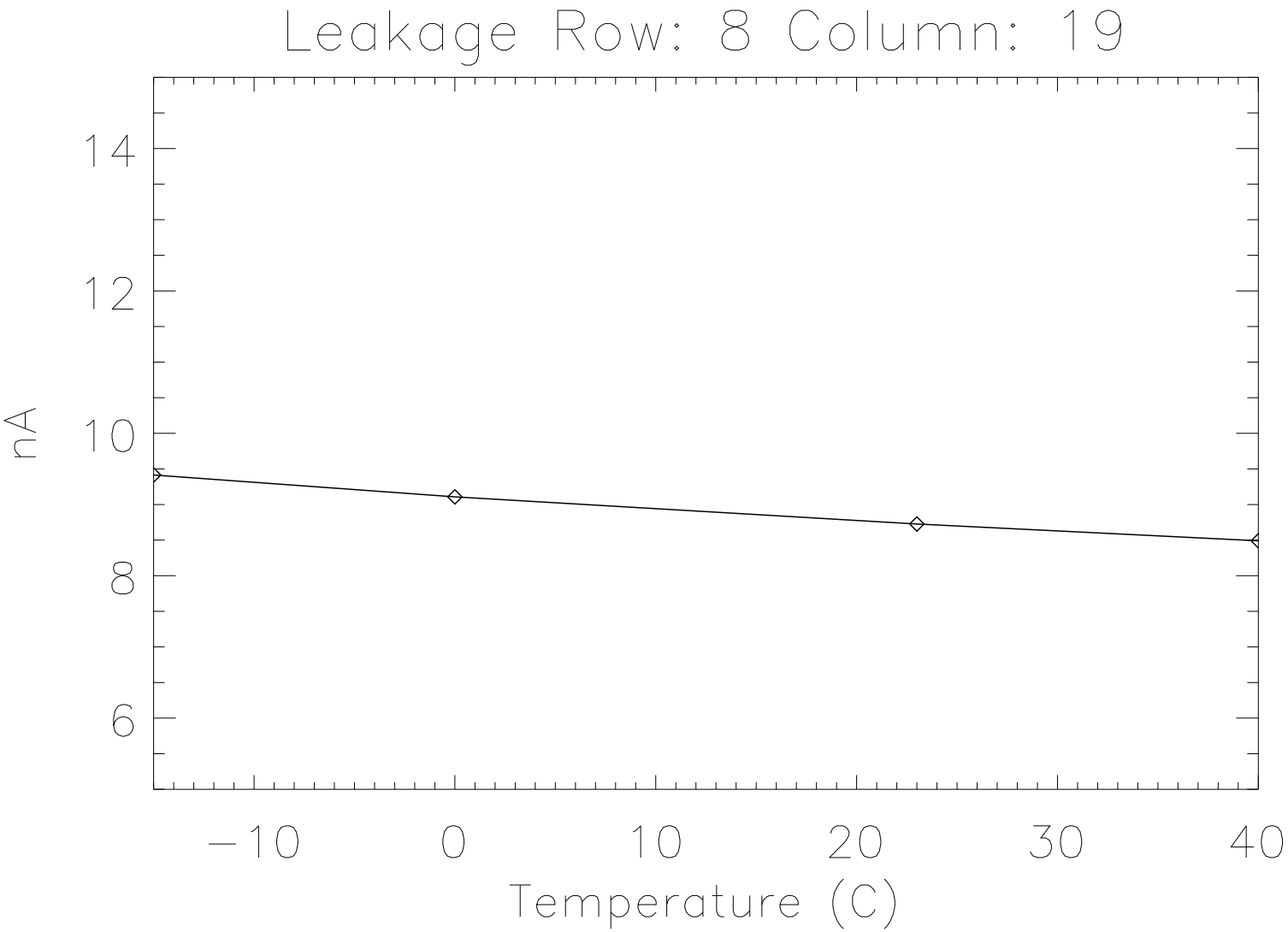
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

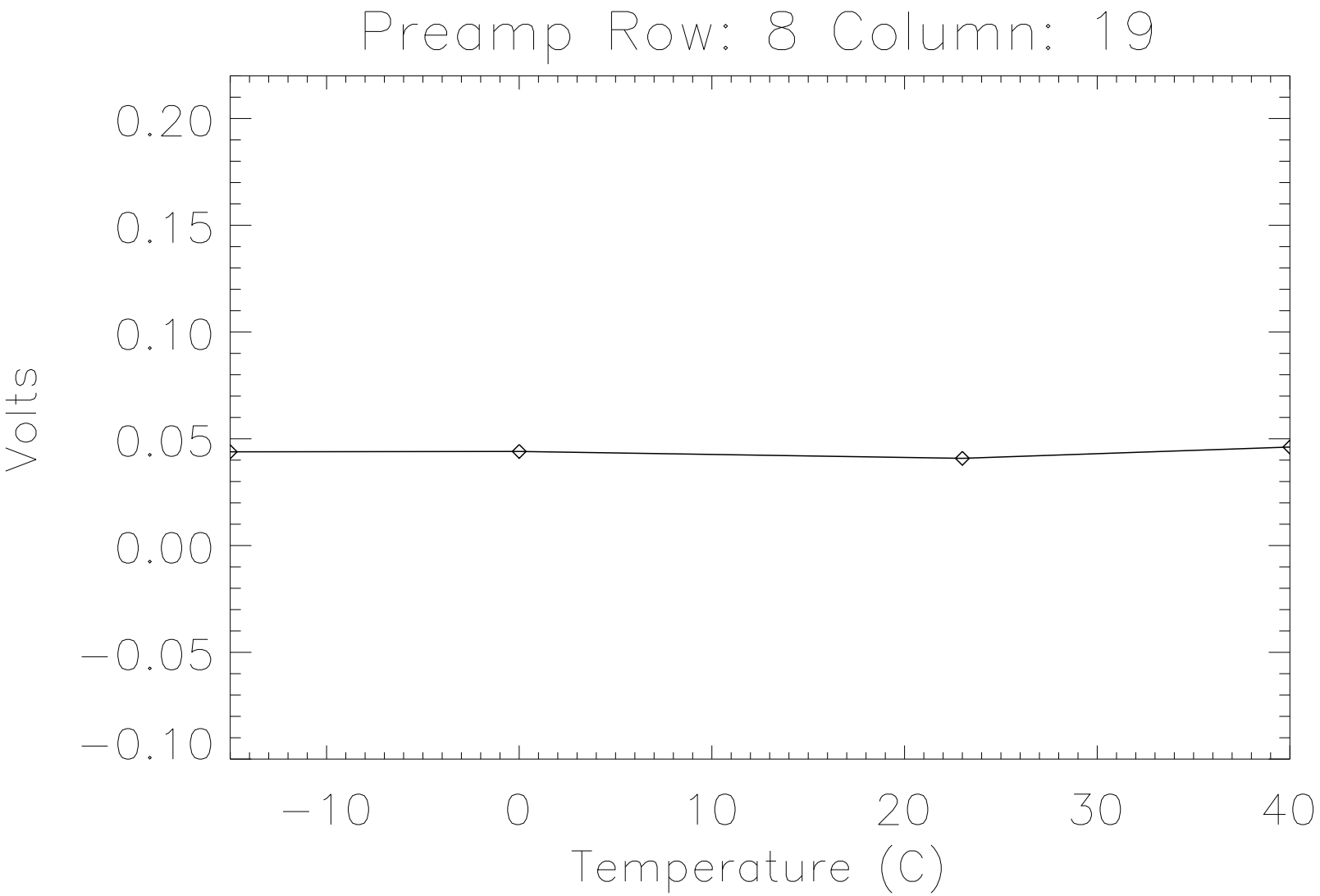

Shaper Row: 8 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

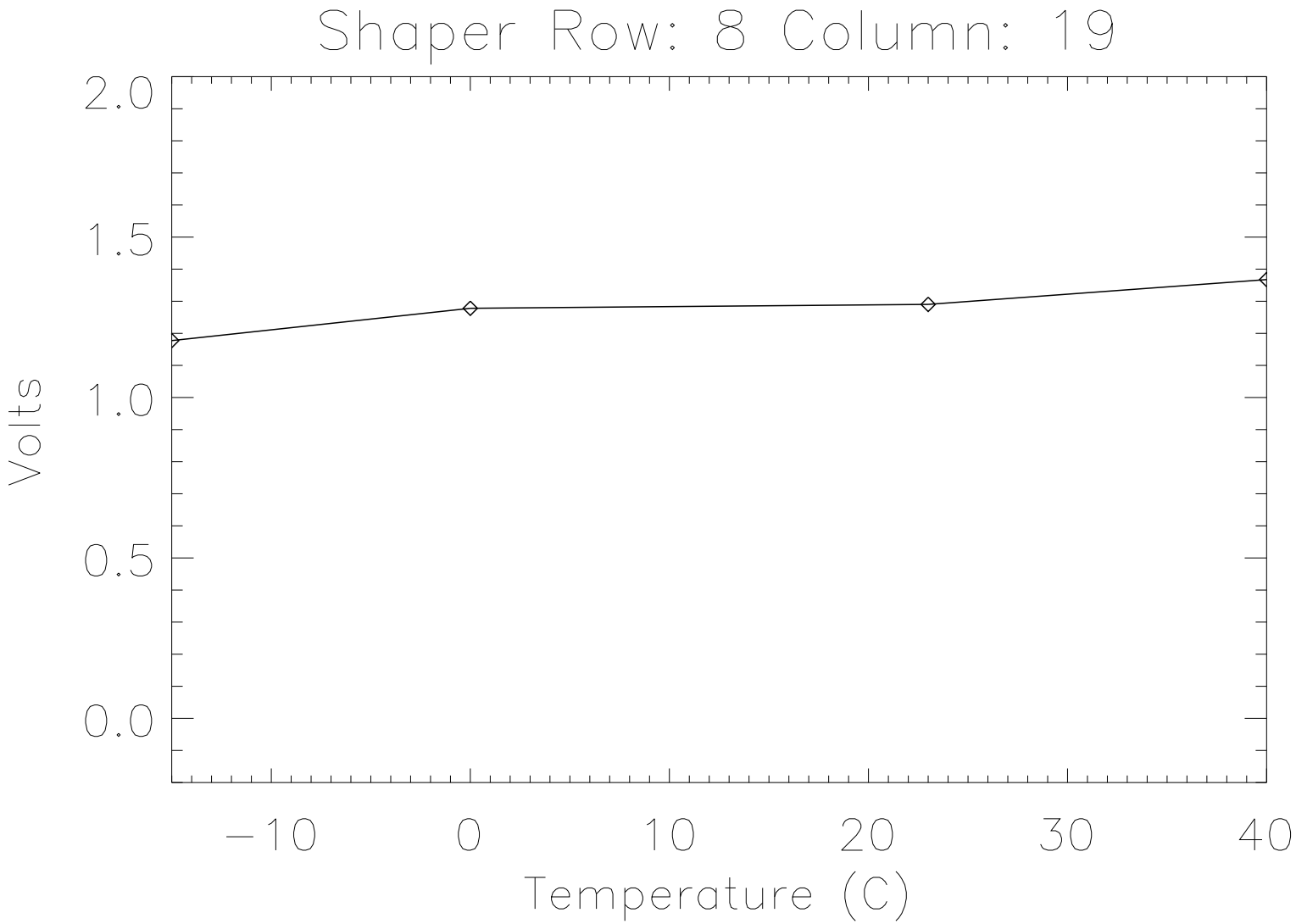

Leakage Row: 8 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

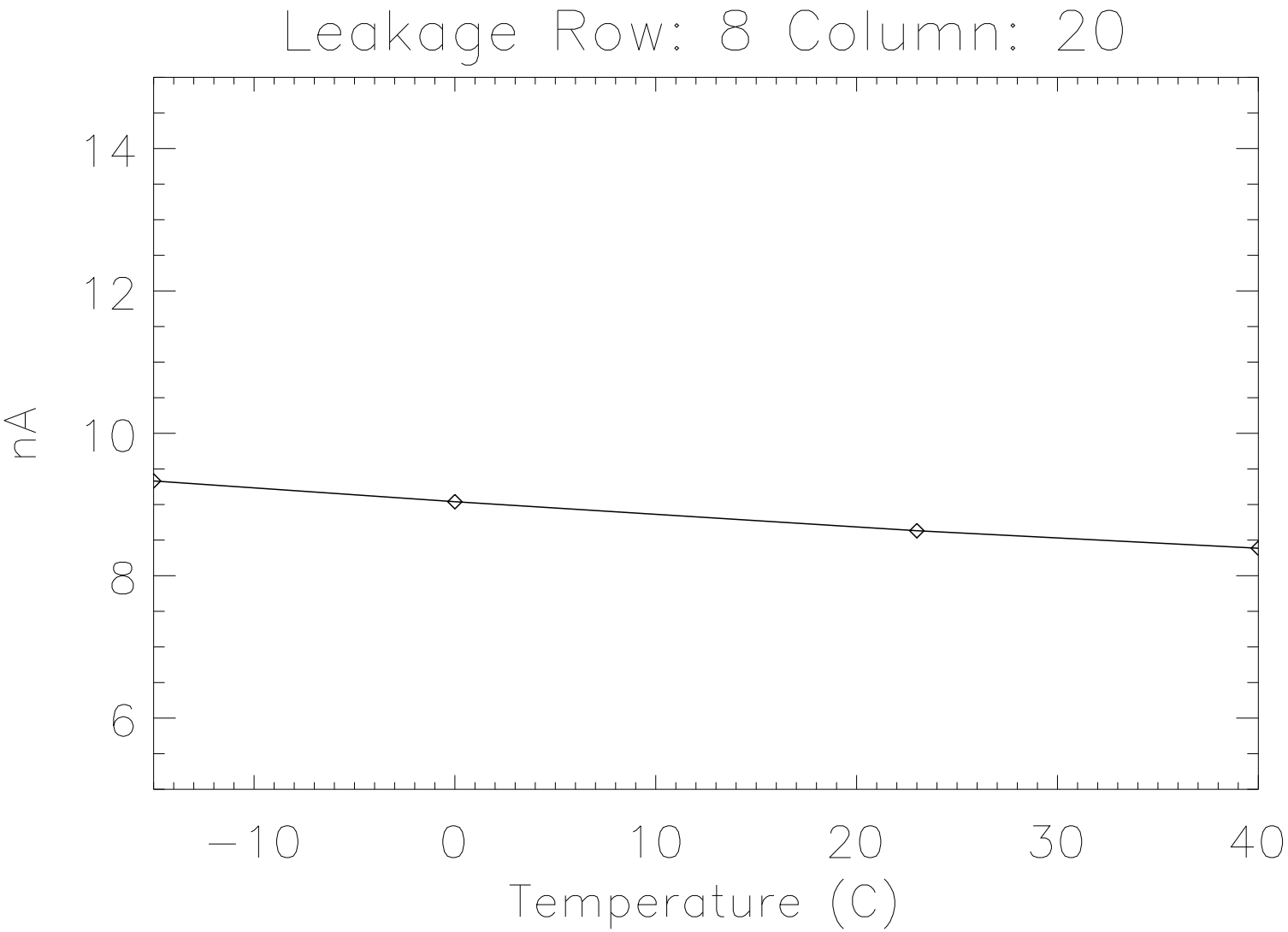

Preamp Row: 8 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

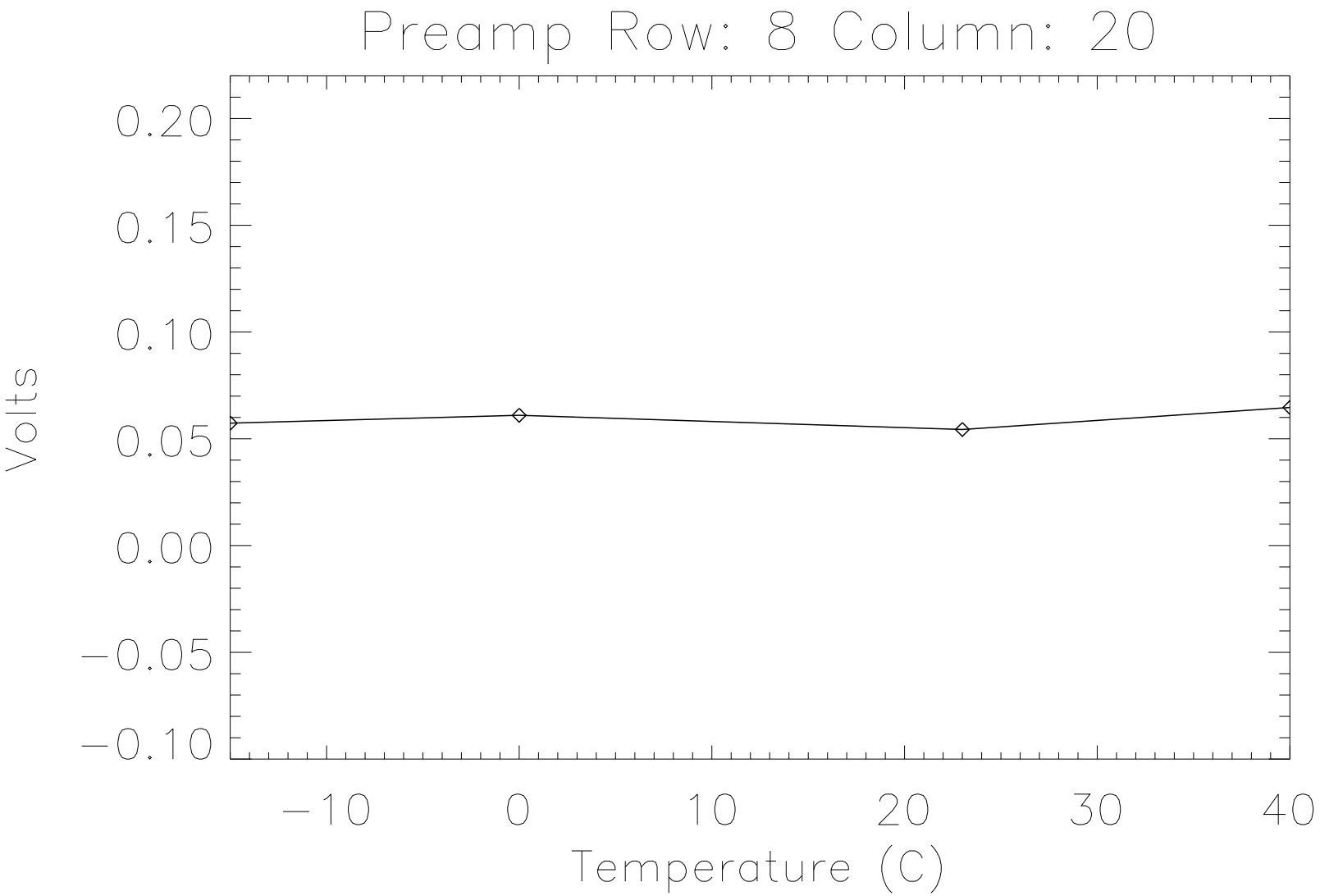

Shaper Row: 8 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

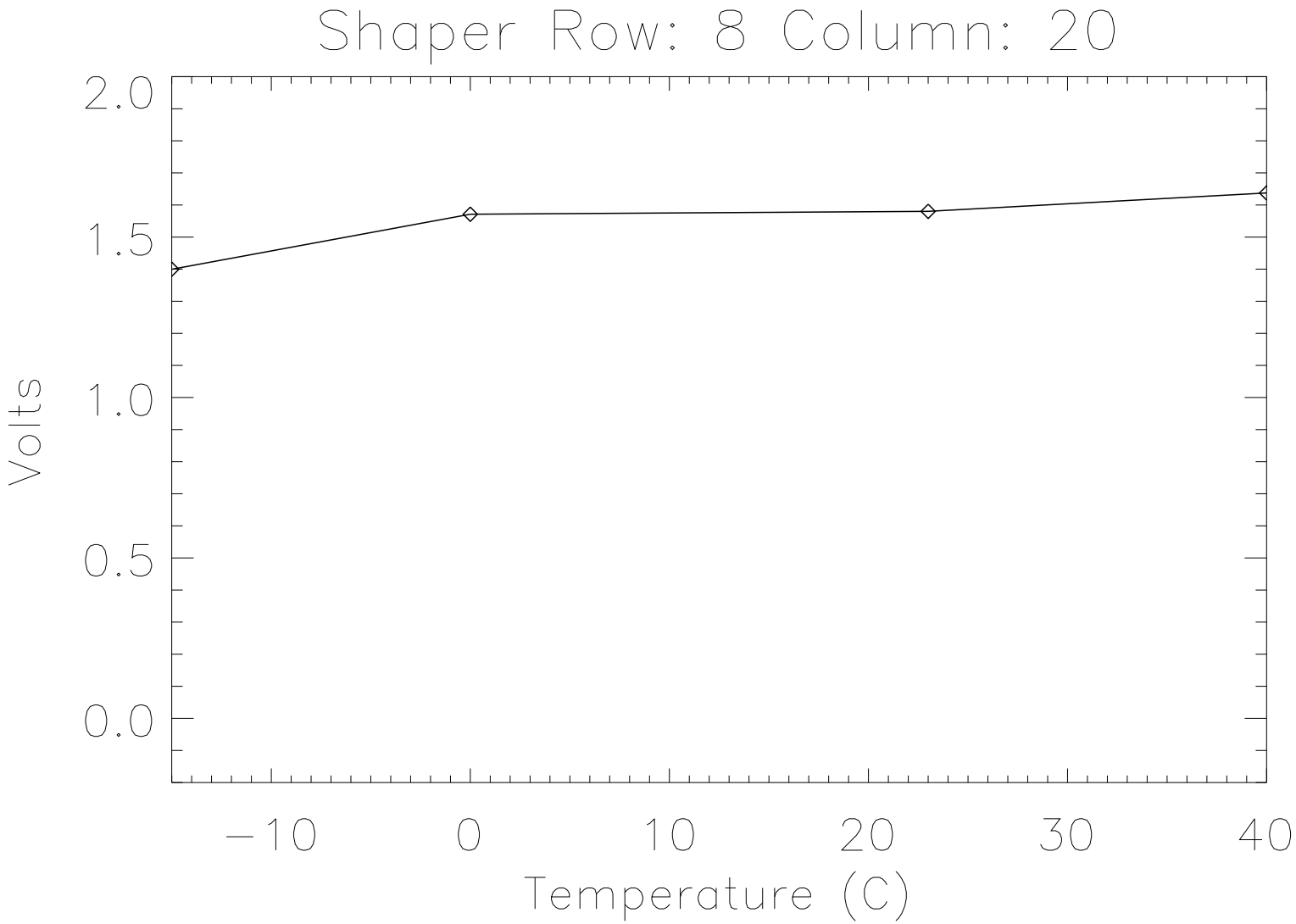

Leakage Row: 8 Column: 19
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

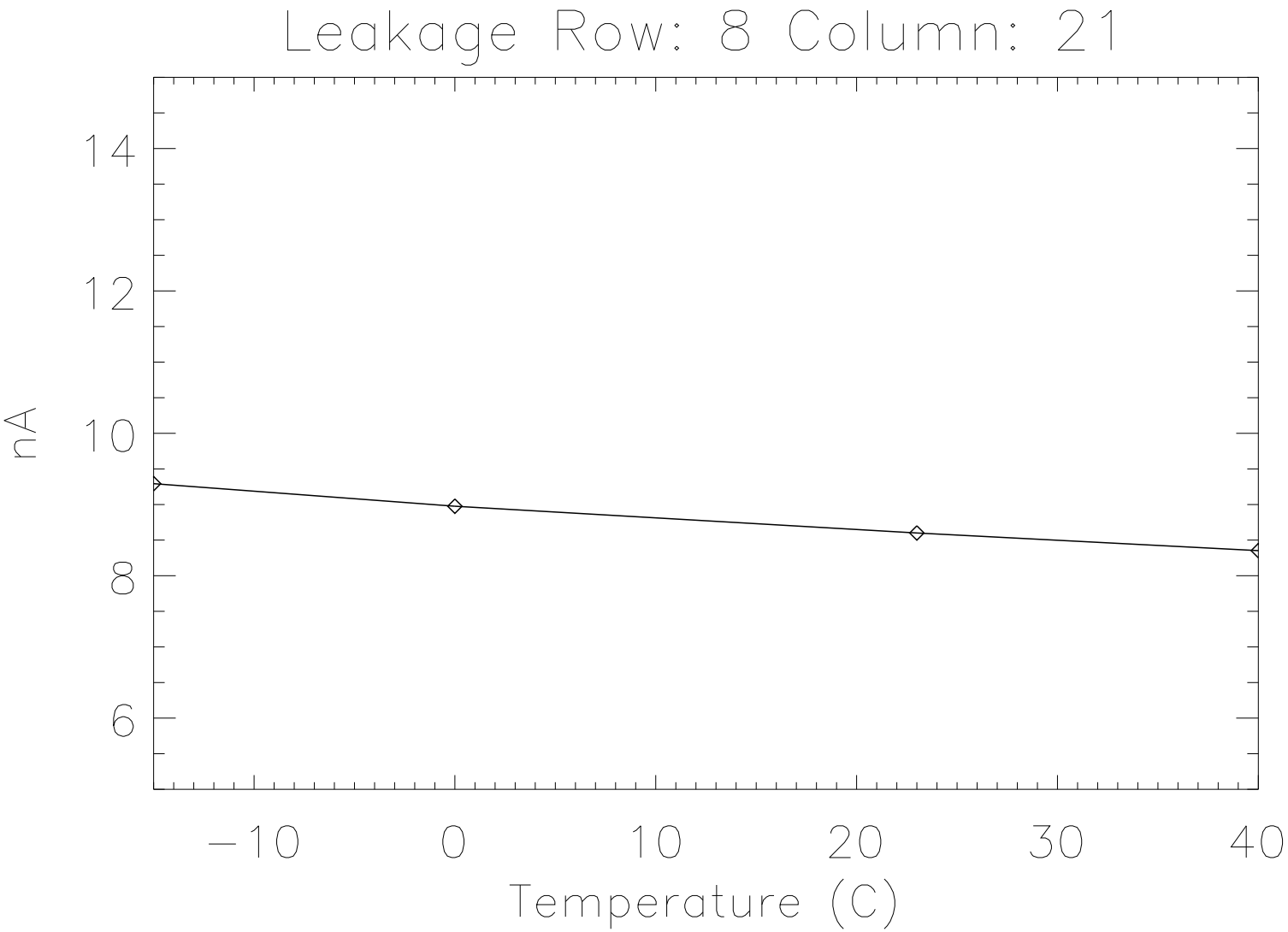

Preamp Row: 8 Column: 19
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

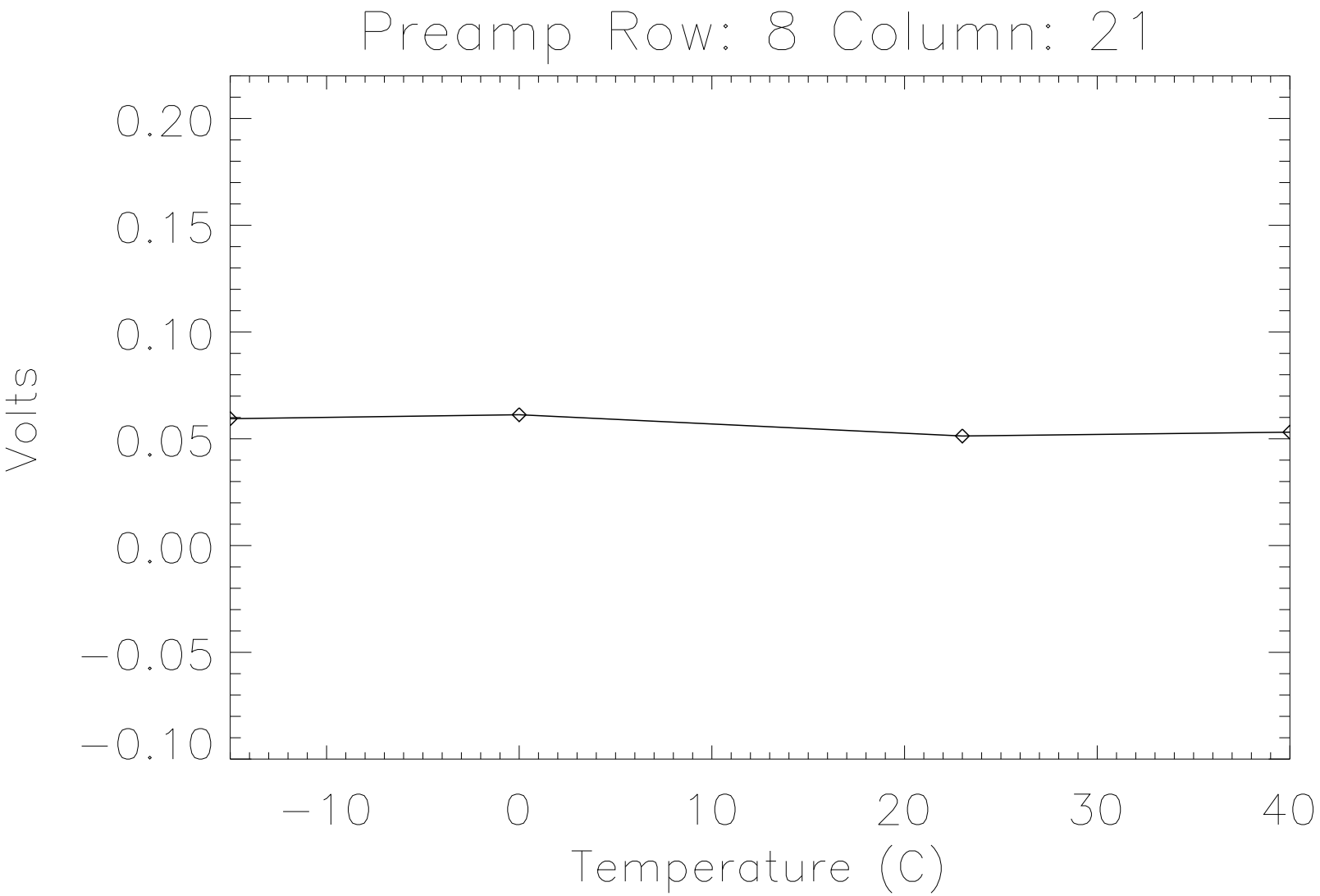

Shaper Row: 8 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

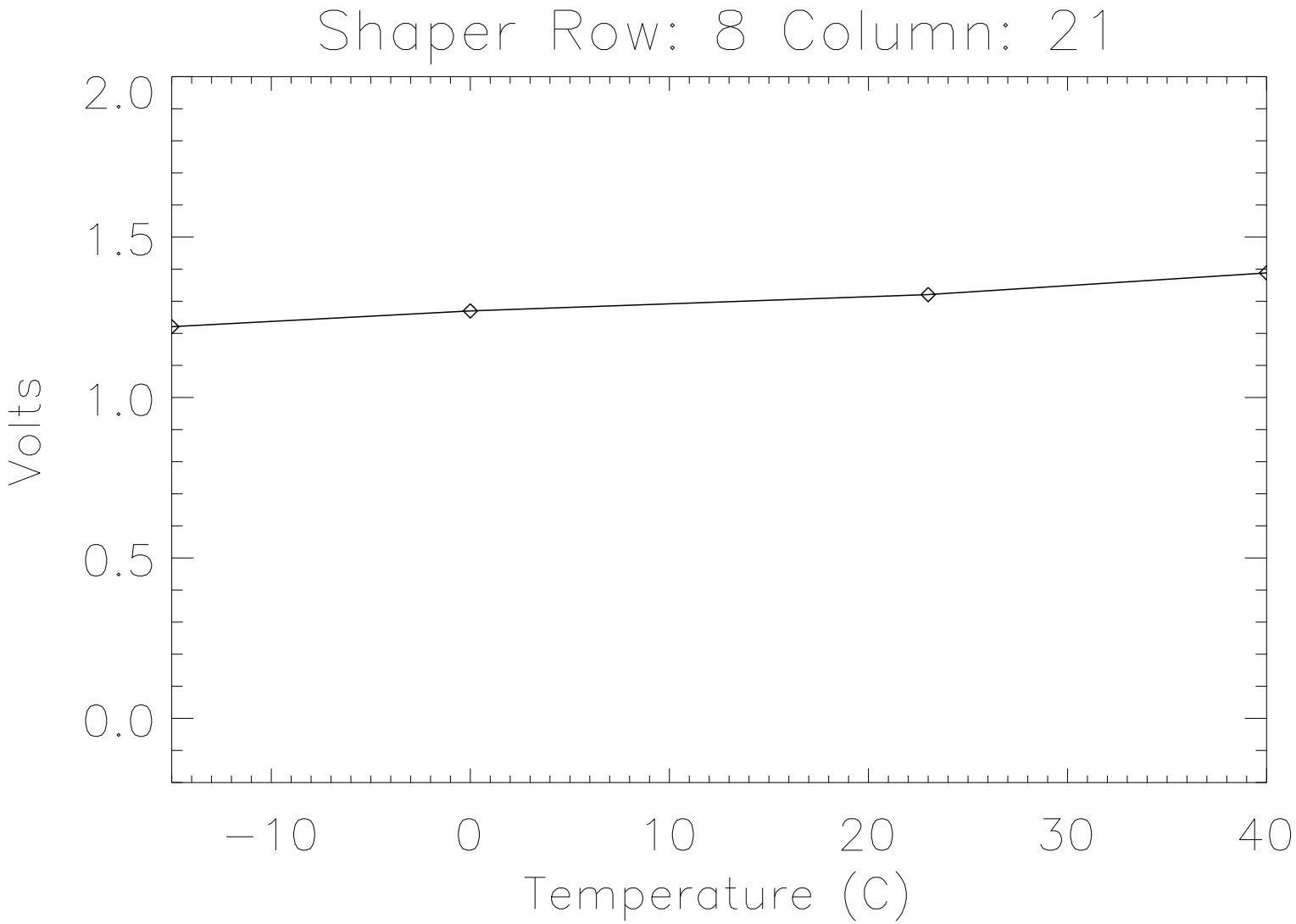

Leakage Row: 8 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

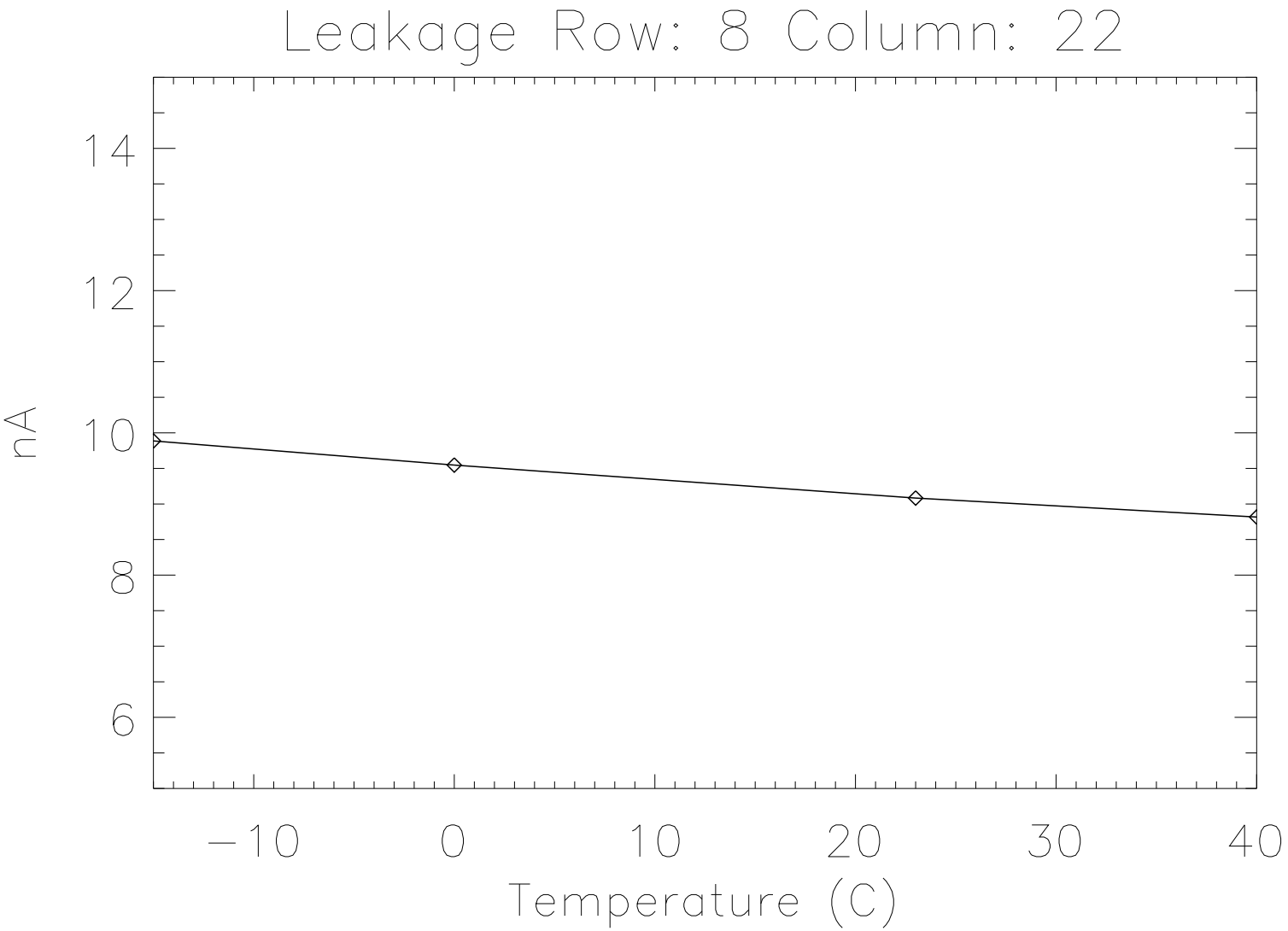

Preamp Row: 8 Column: 20
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

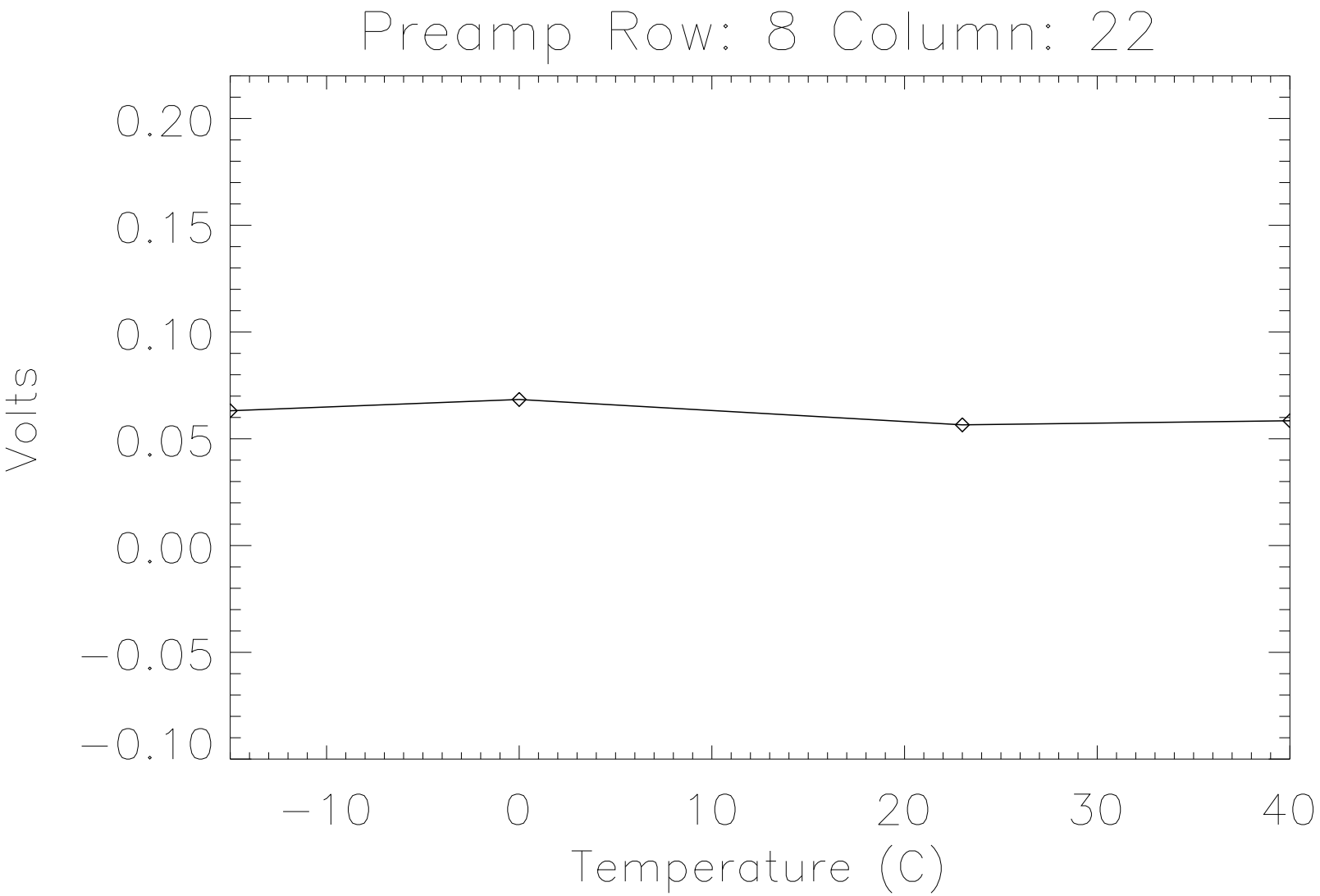

Shaper Row: 8 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

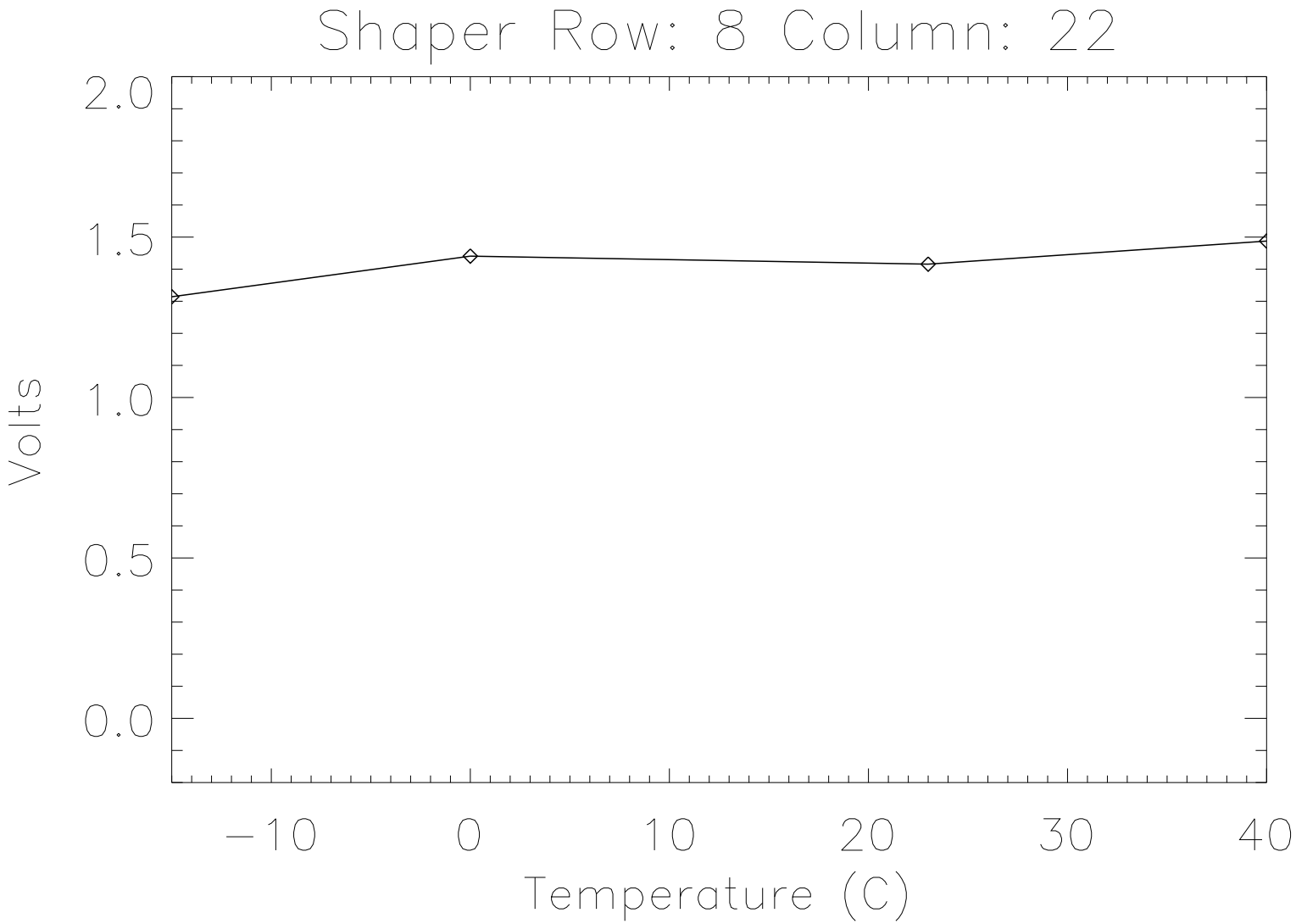

Leakage Row: 8 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

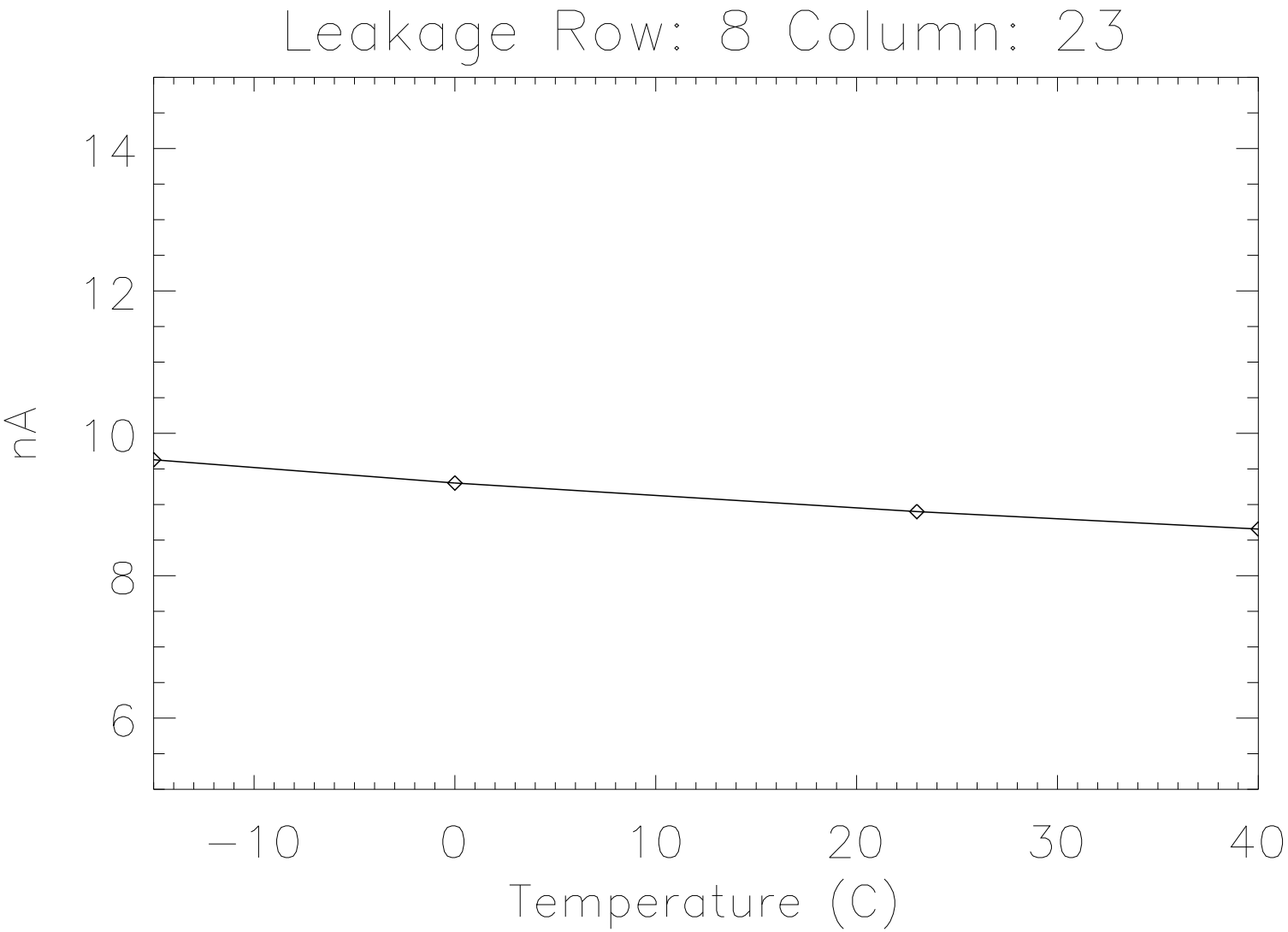

Preamp Row: 8 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

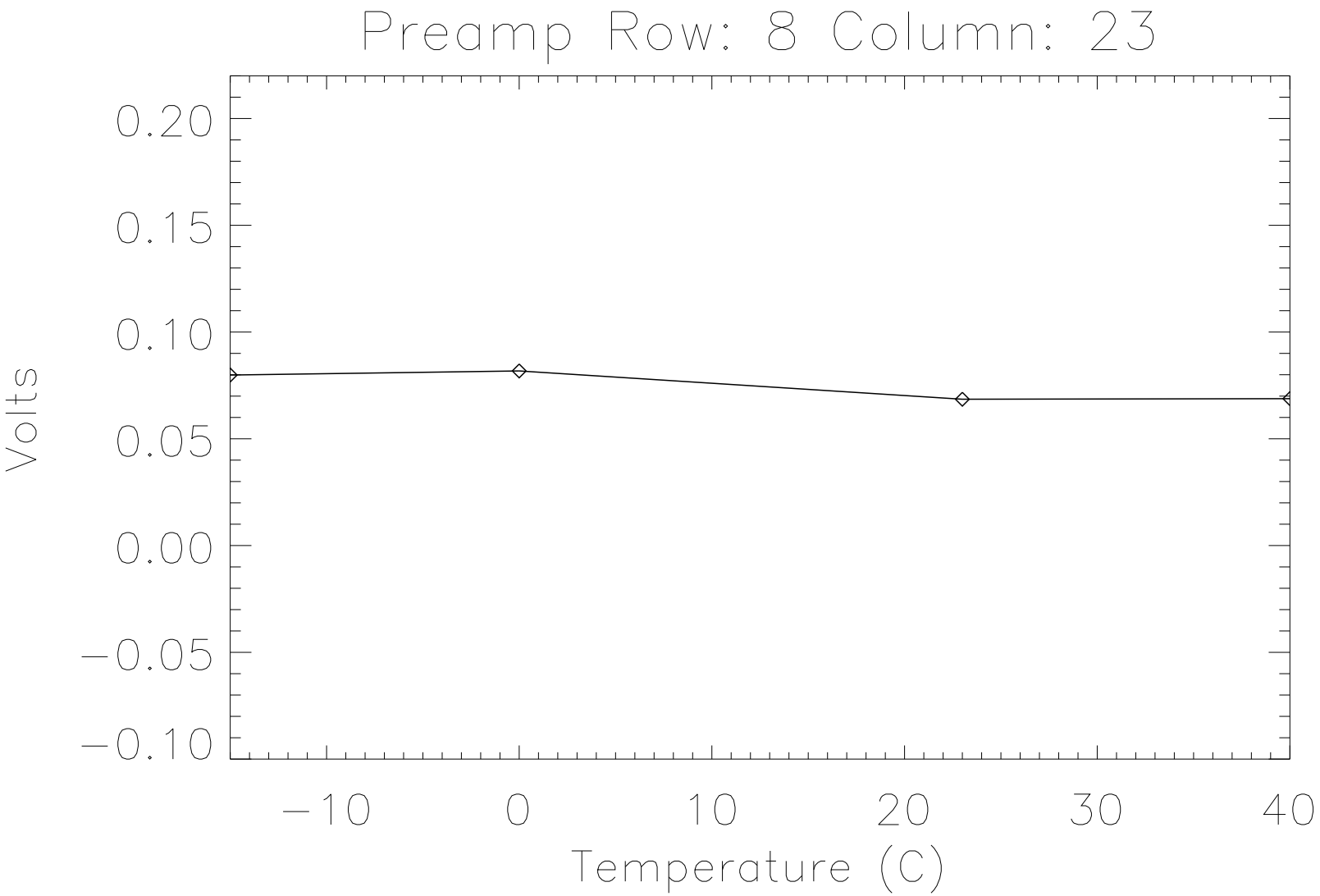

Shaper Row: 8 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

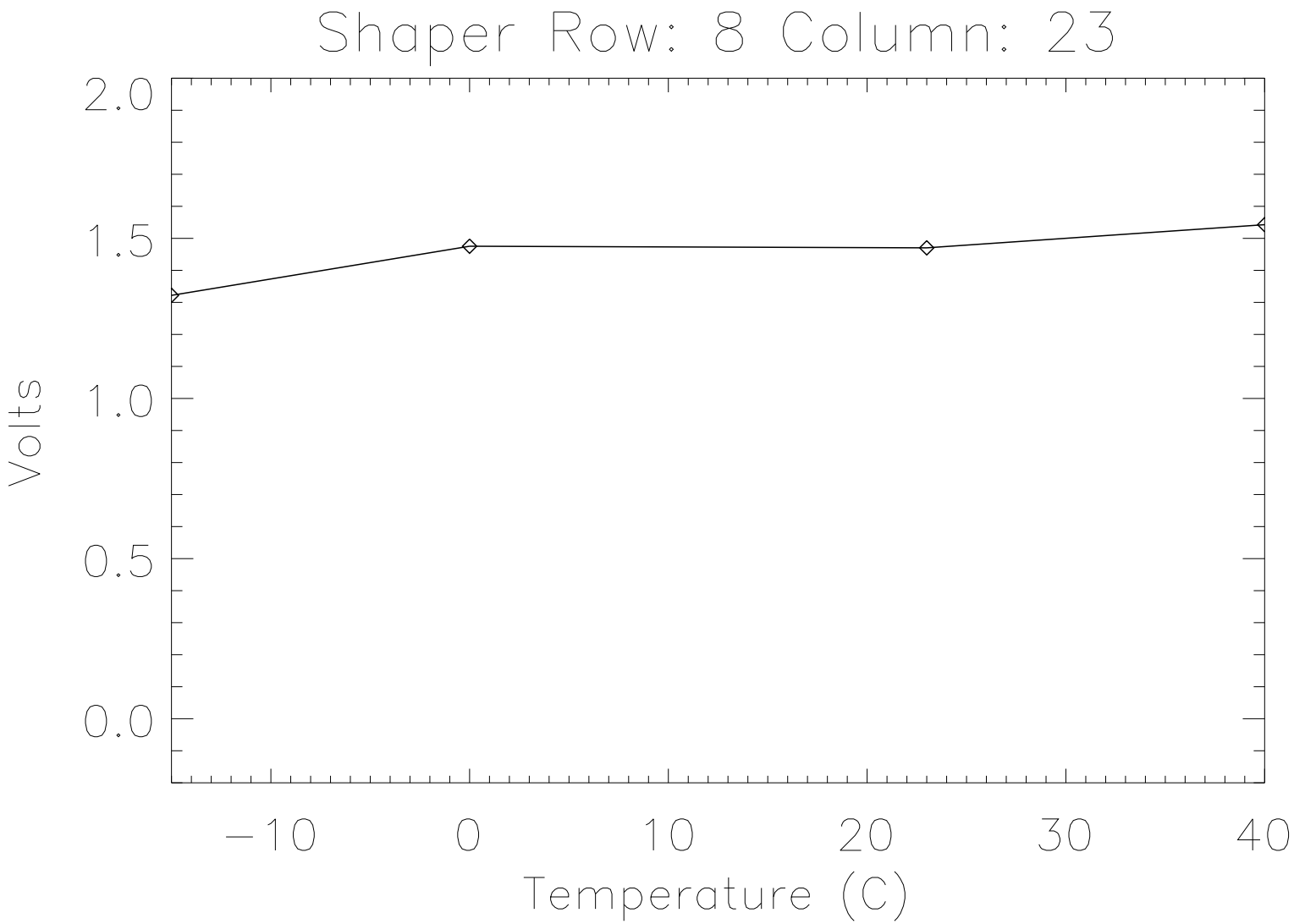

Leakage Row: 8 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

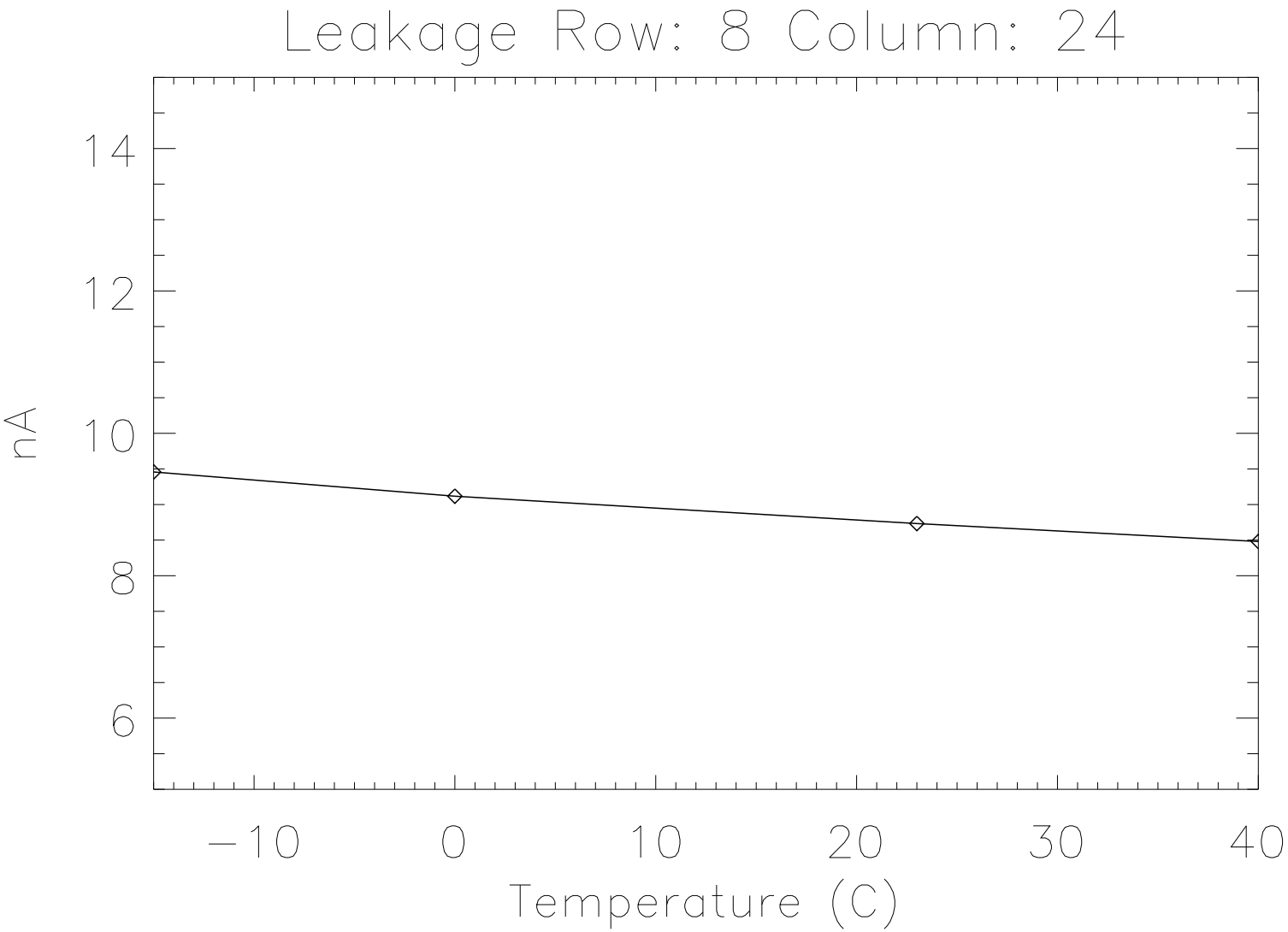

Preamp Row: 8 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

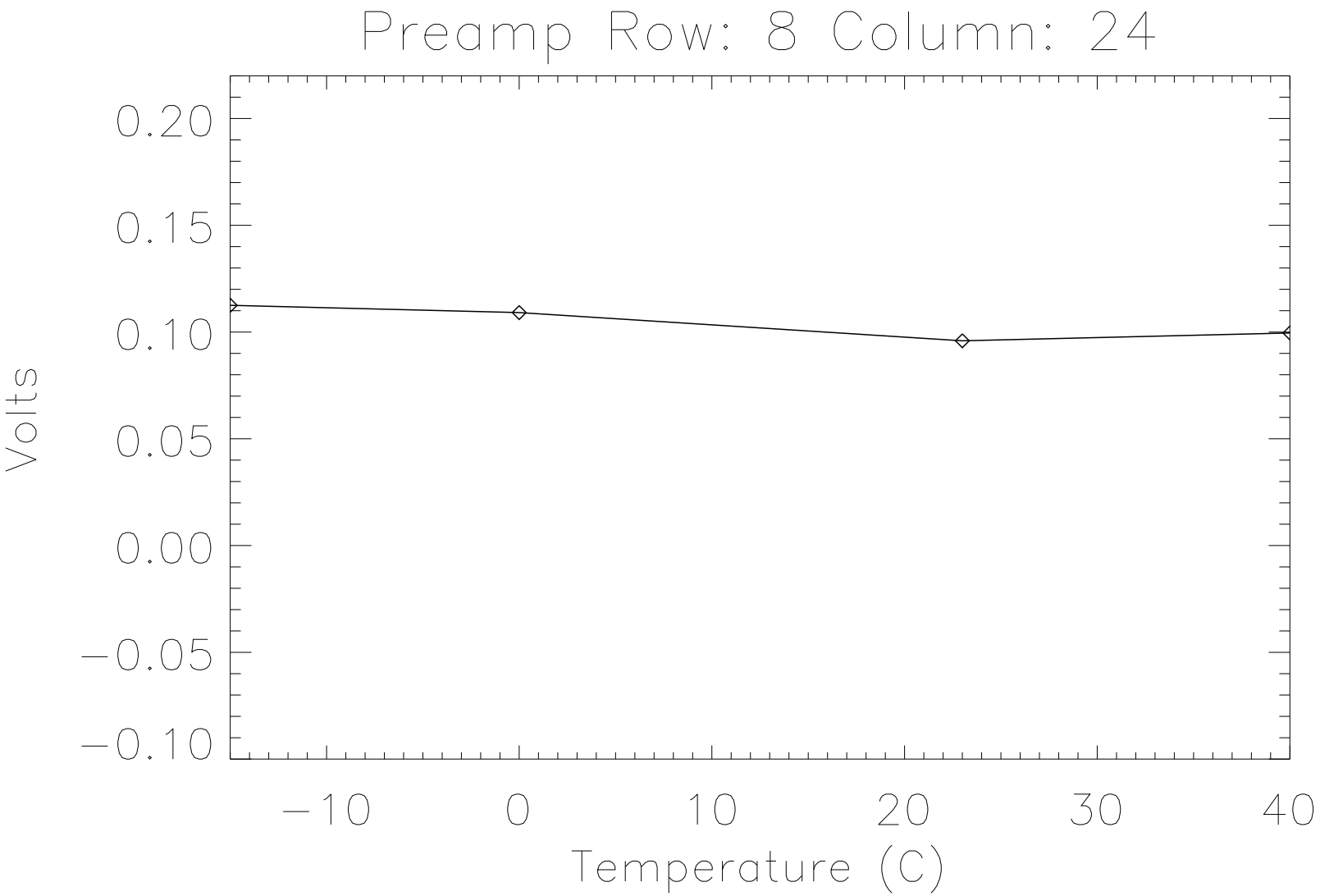

Shaper Row: 8 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

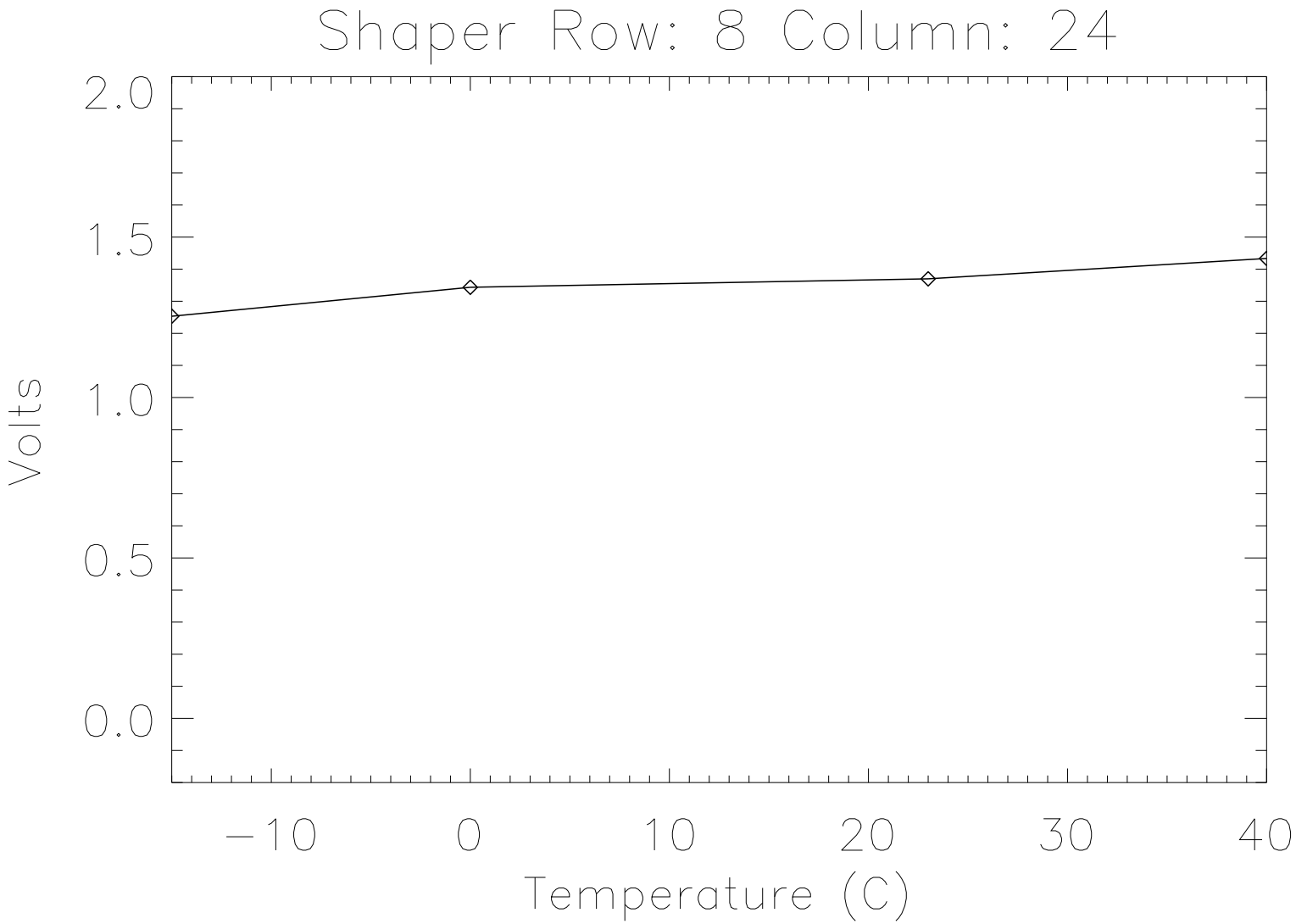

Leakage Row: 8 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

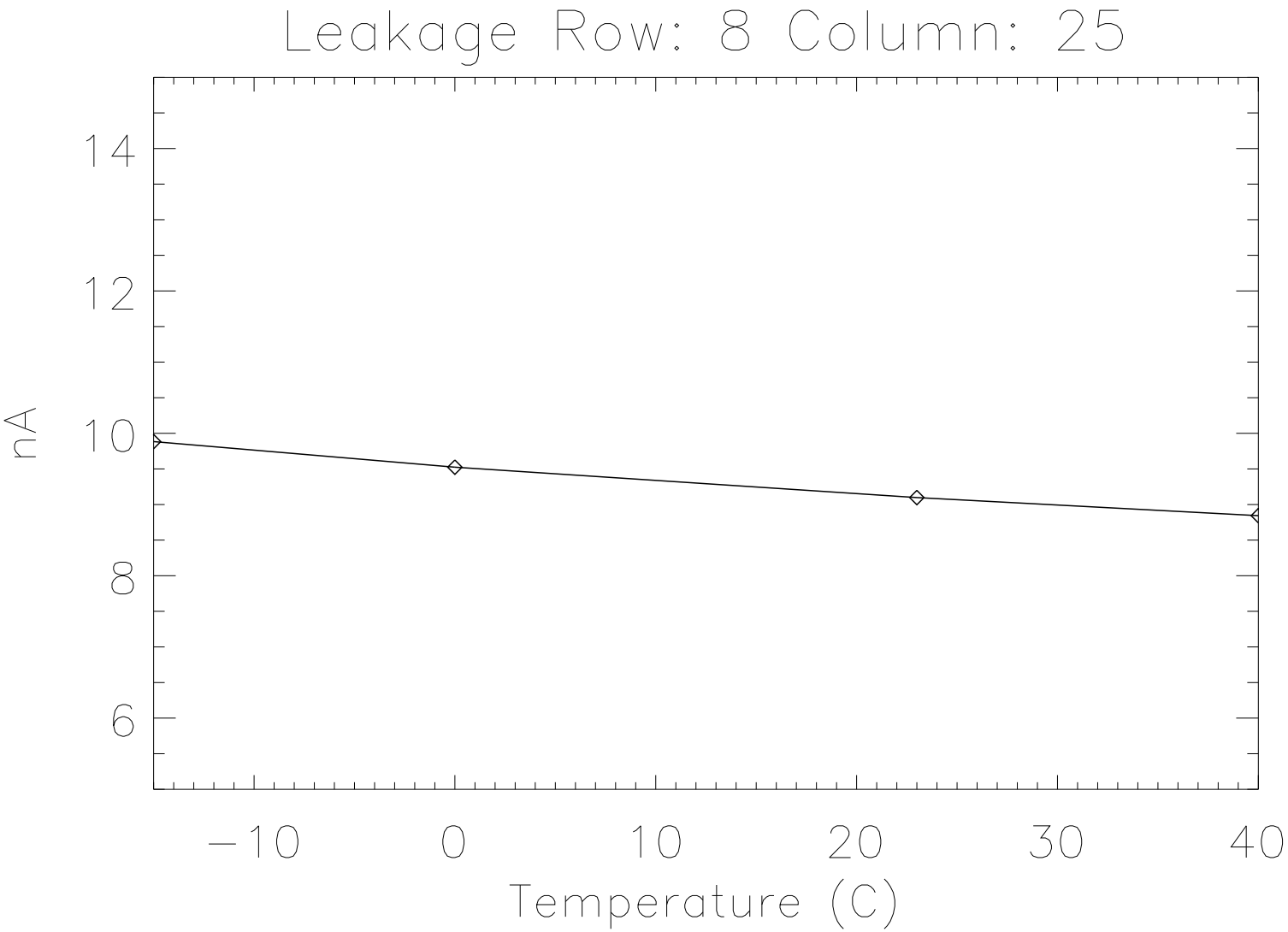

Preamp Row: 8 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

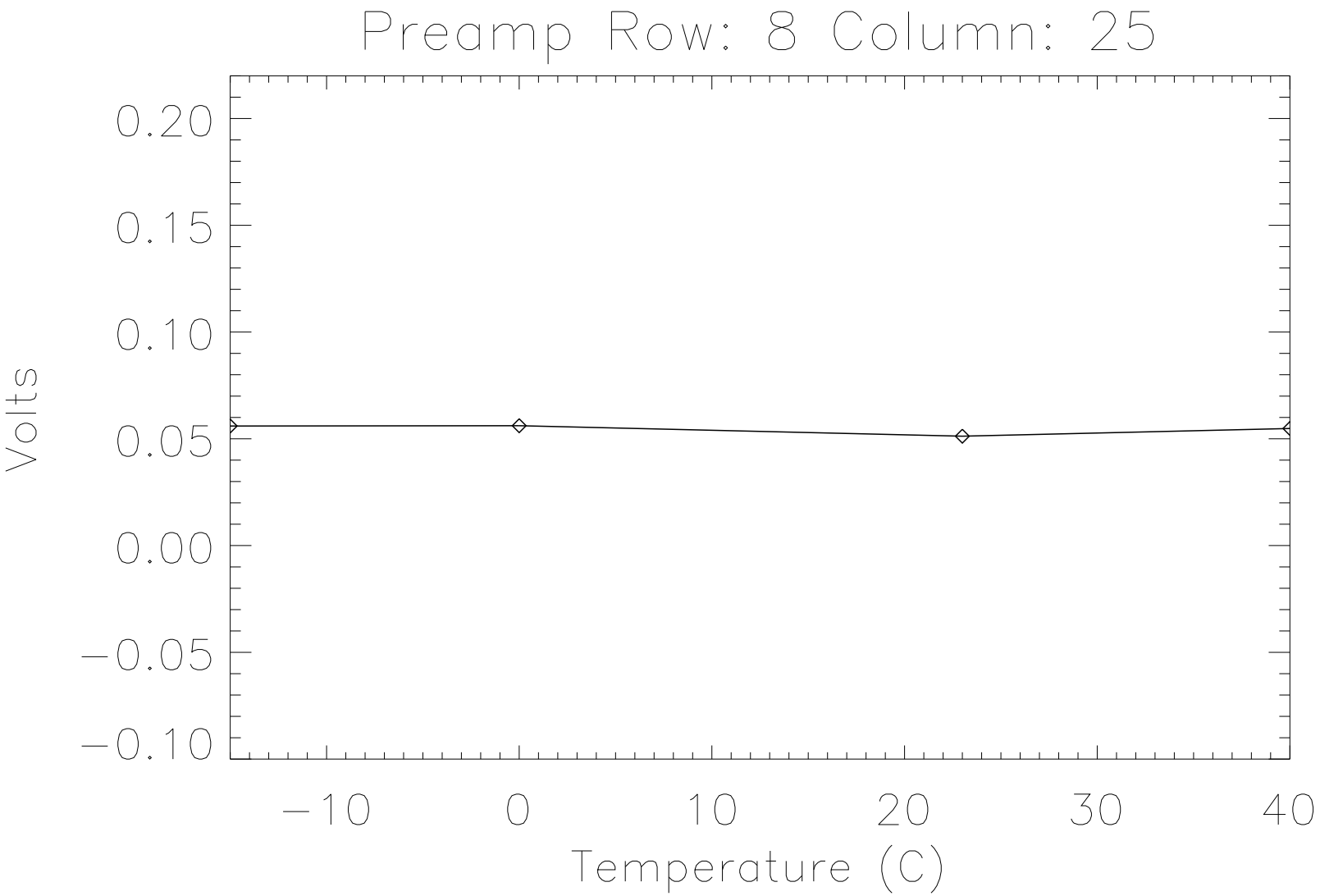

Shaper Row: 8 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

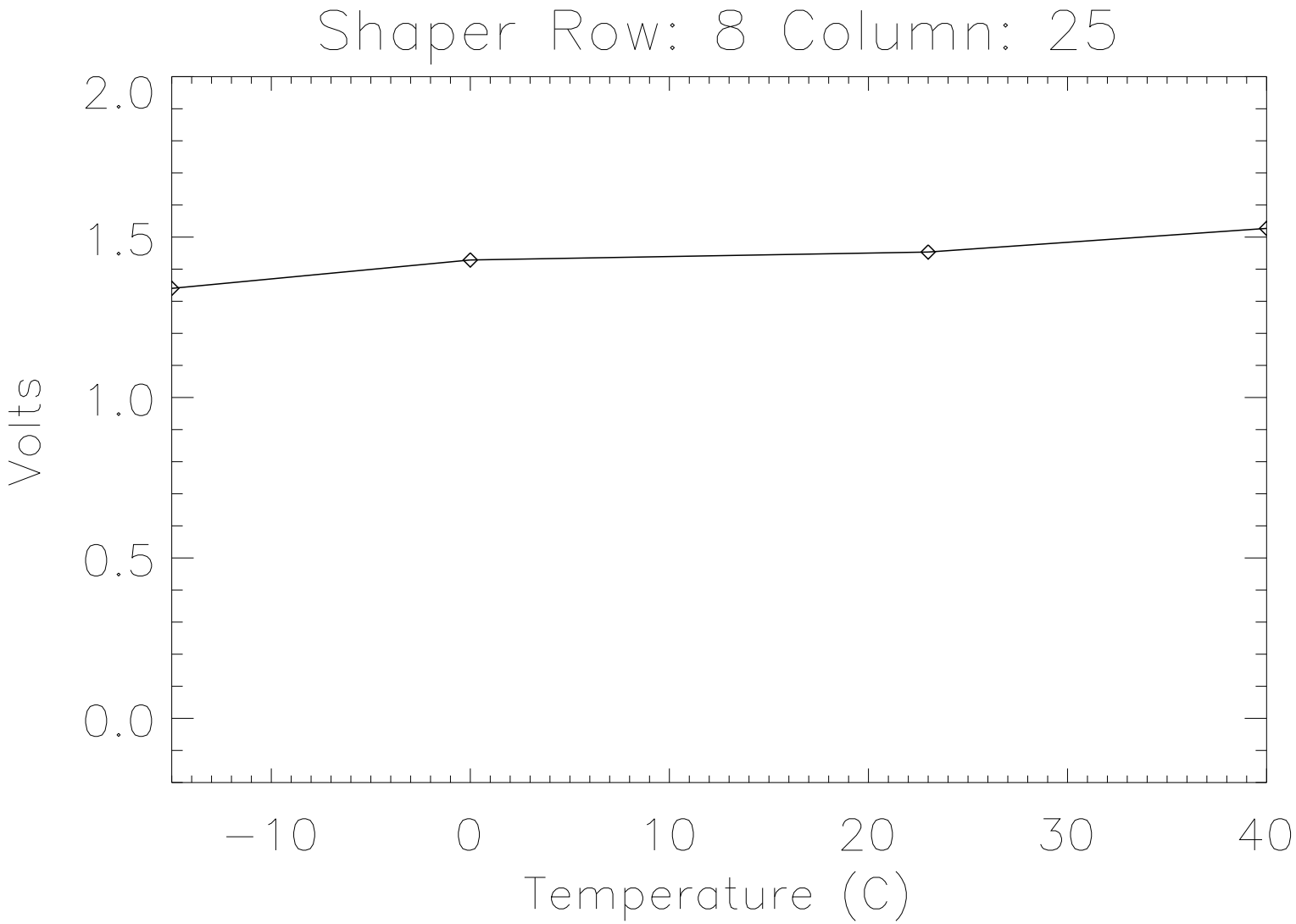

Leakage Row: 8 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

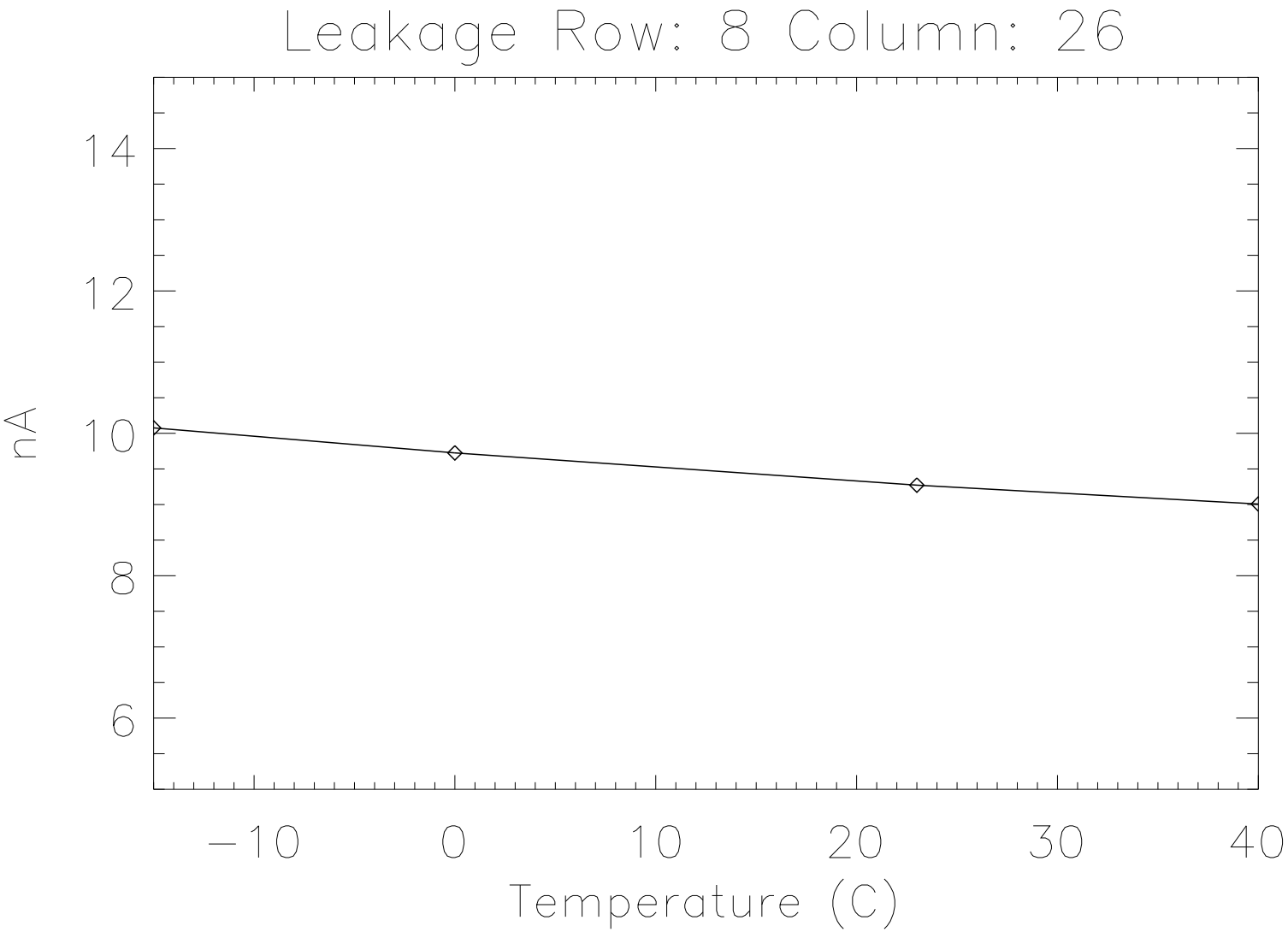

Preamp Row: 8 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

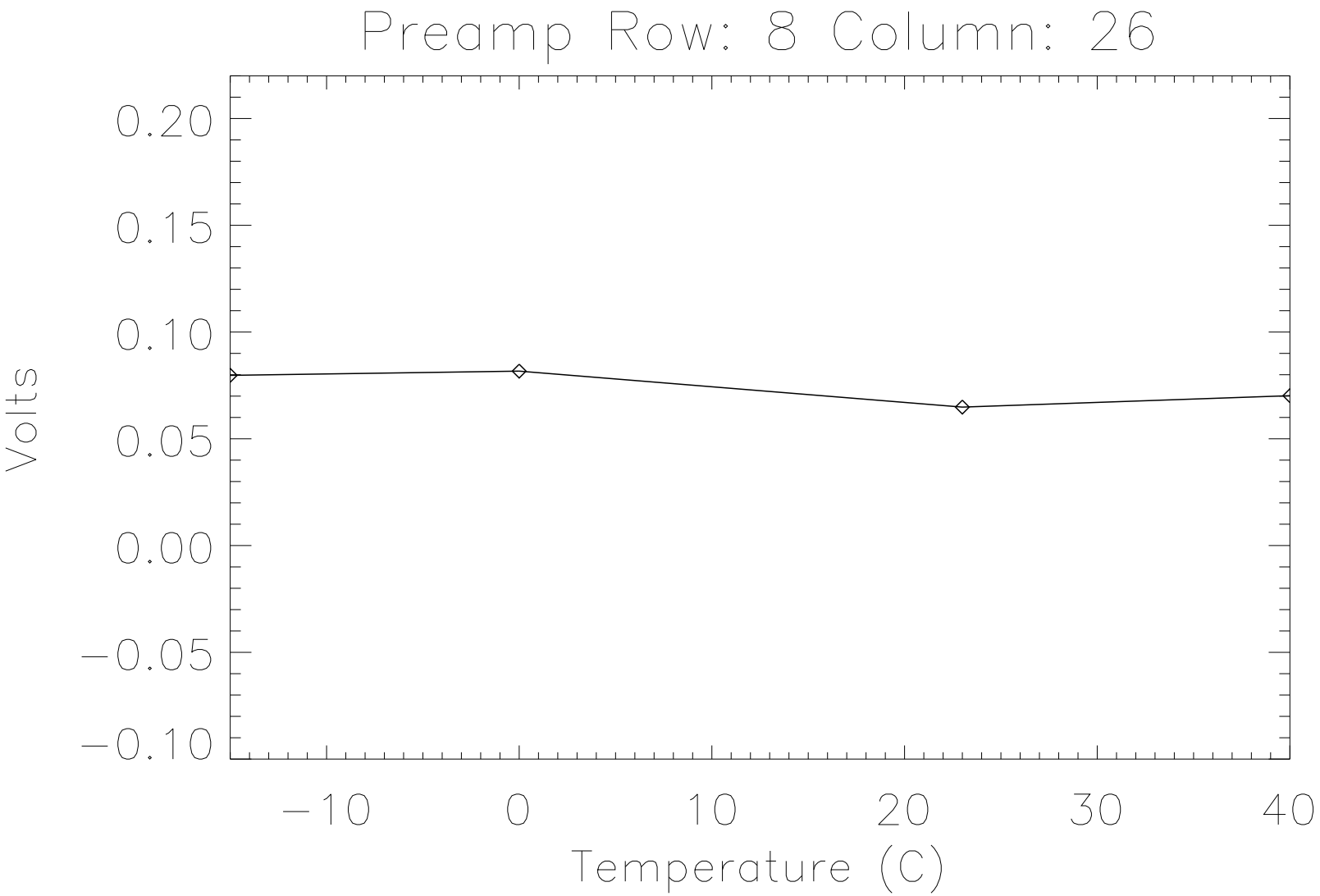

Shaper Row: 8 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

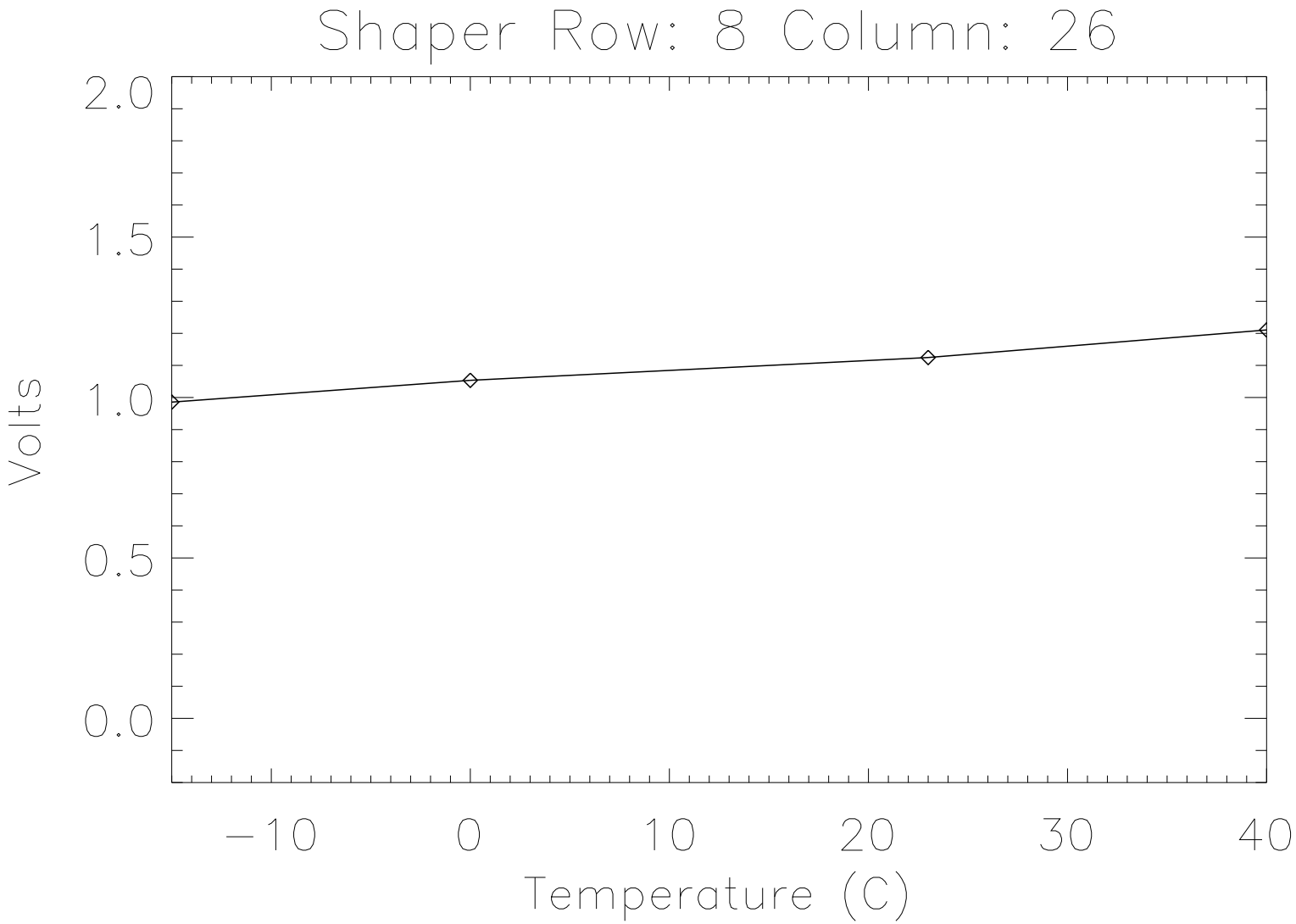

Leakage Row: 8 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

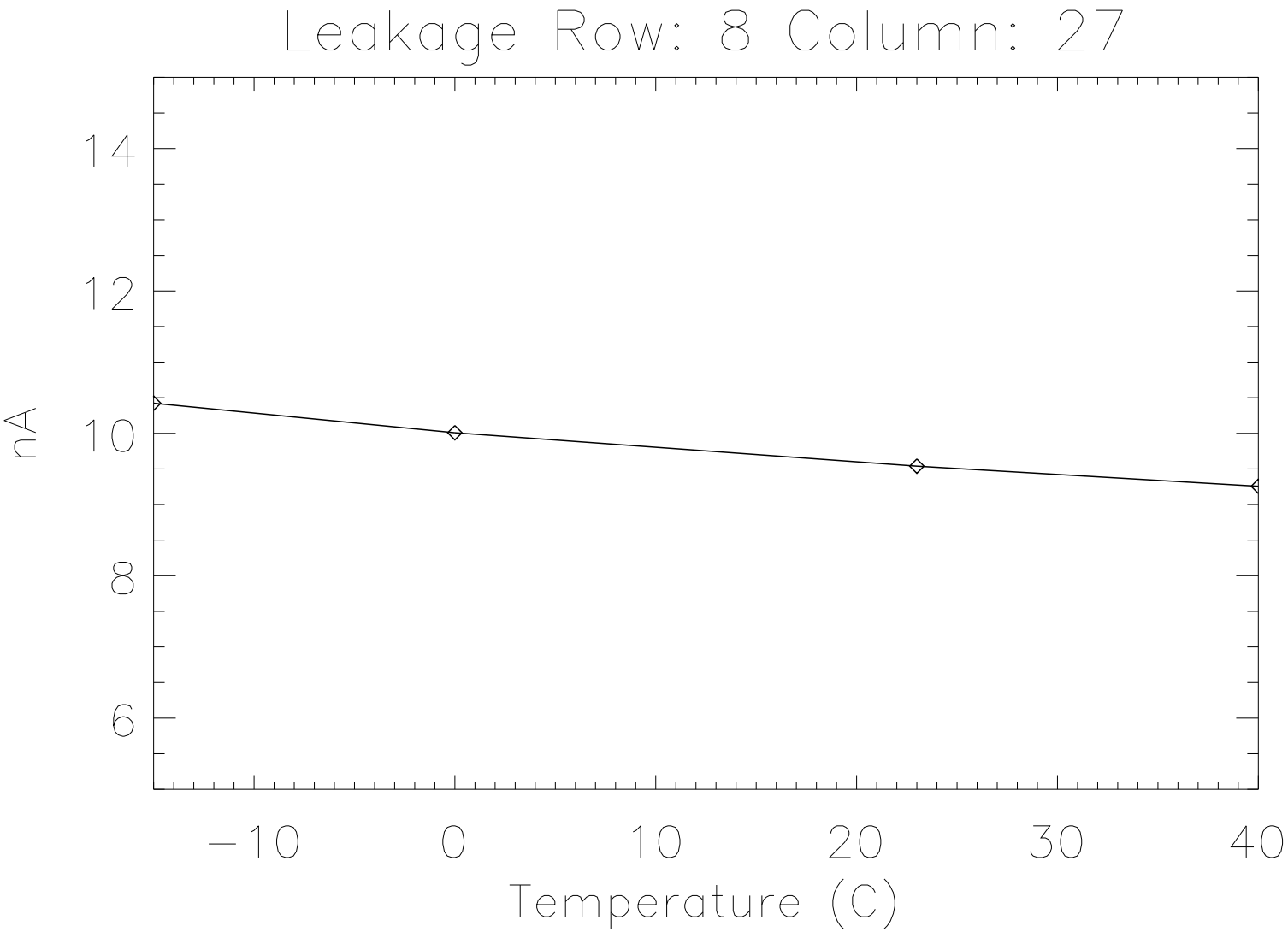

Preamp Row: 8 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

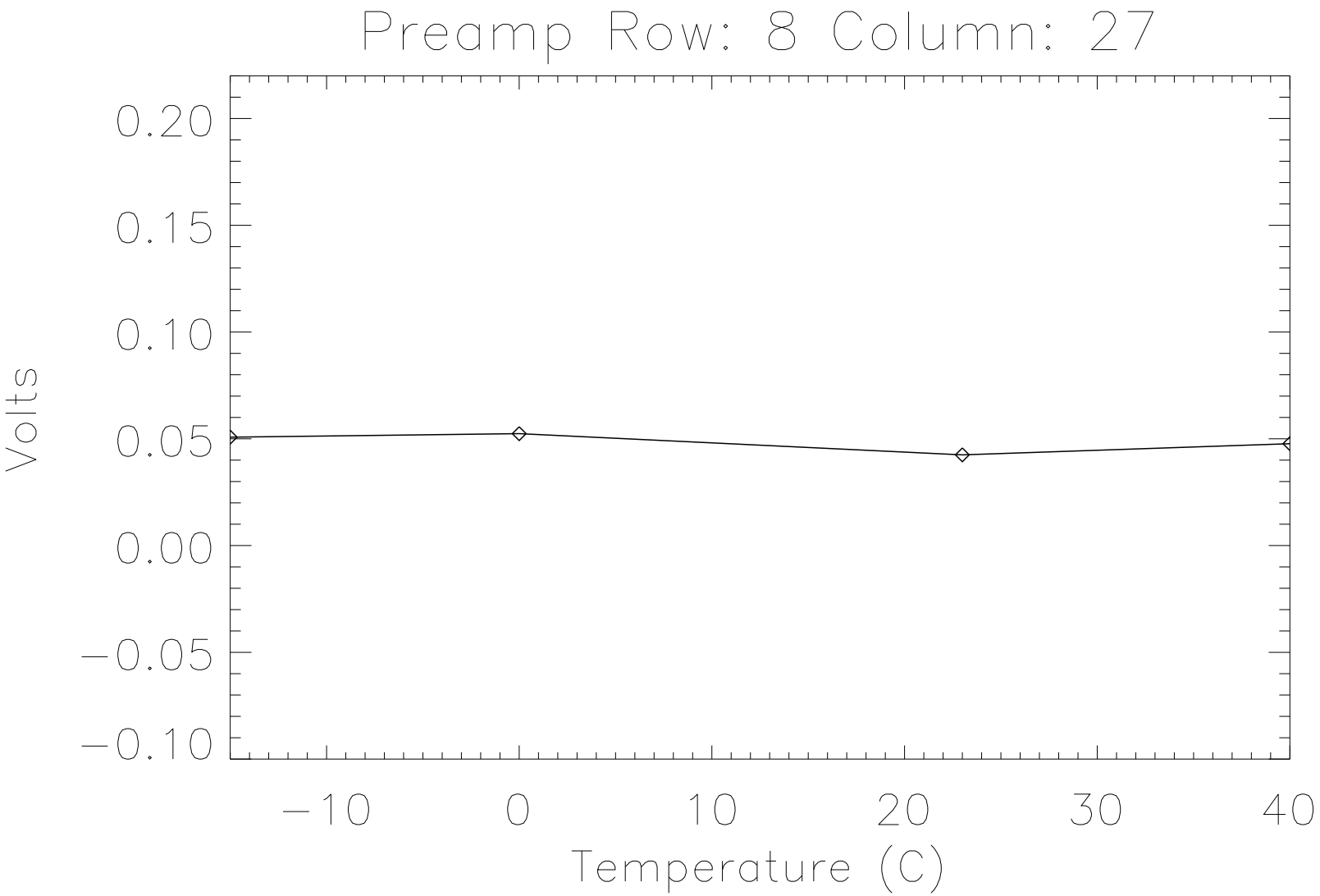

Shaper Row: 8 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 8 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 8 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 8 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 8 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 8 Column: 27
0.20
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0.10
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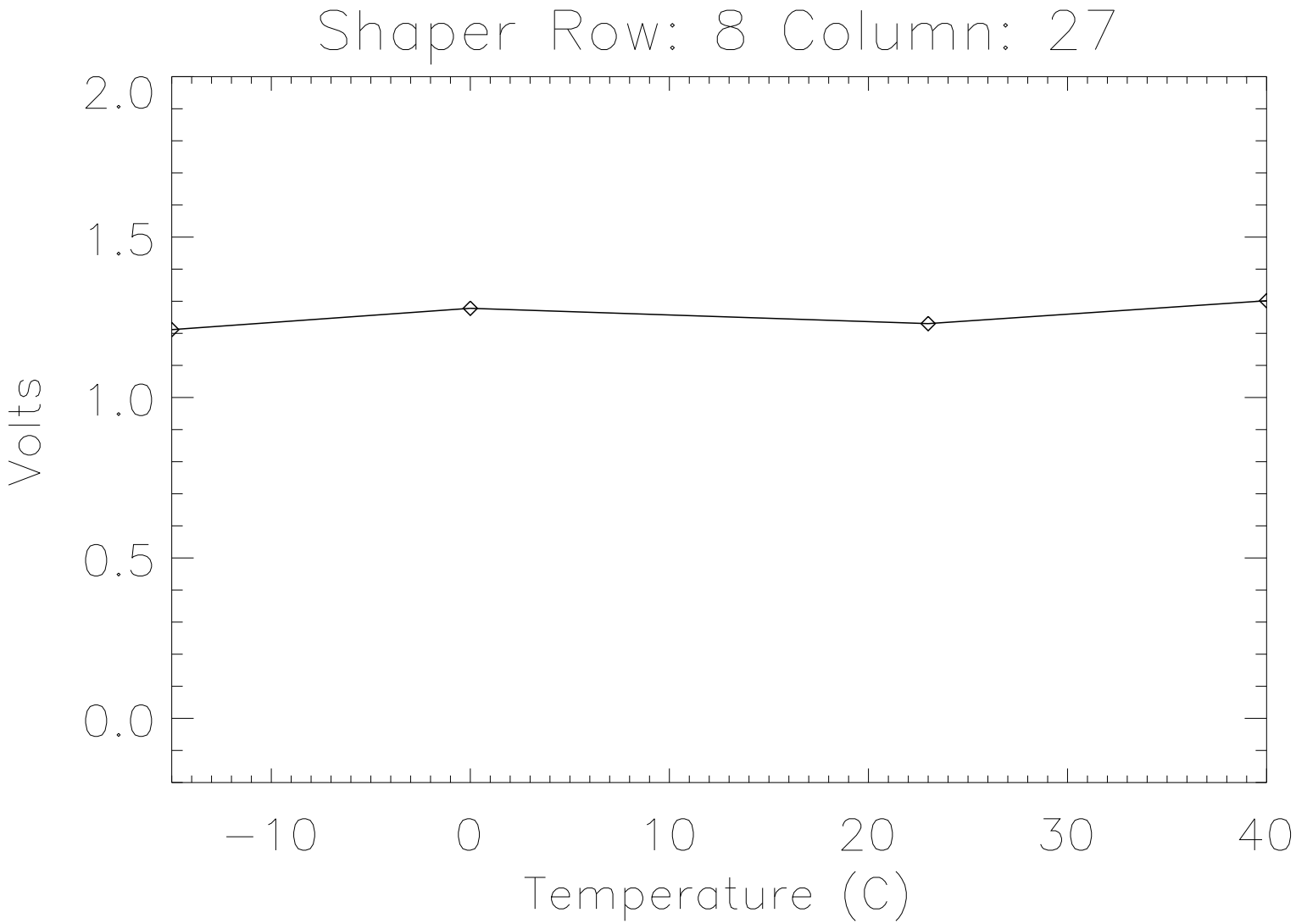
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 8 Column: 27
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1.5
1.0
0.5
0.0
Volts
−10
0
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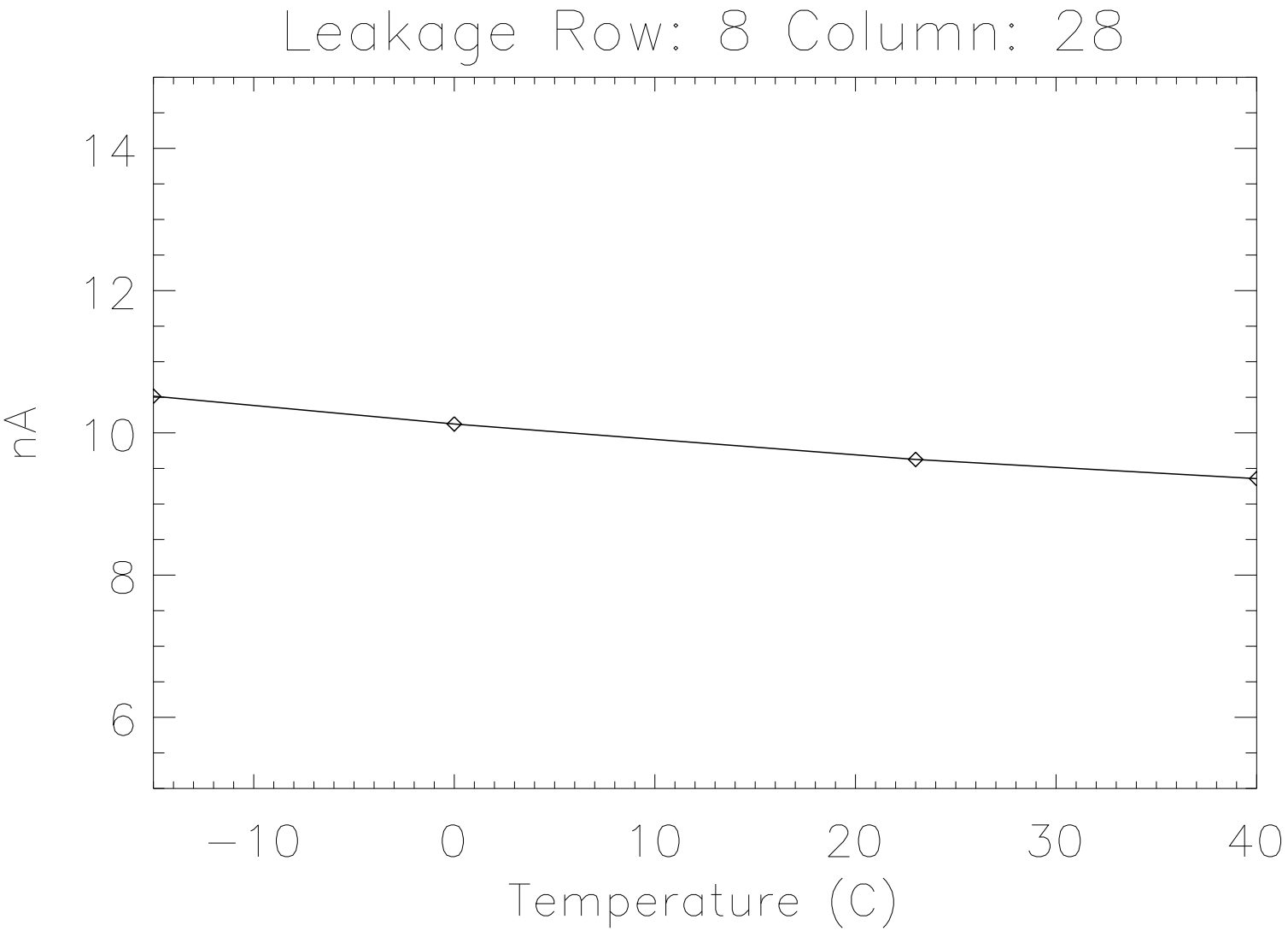
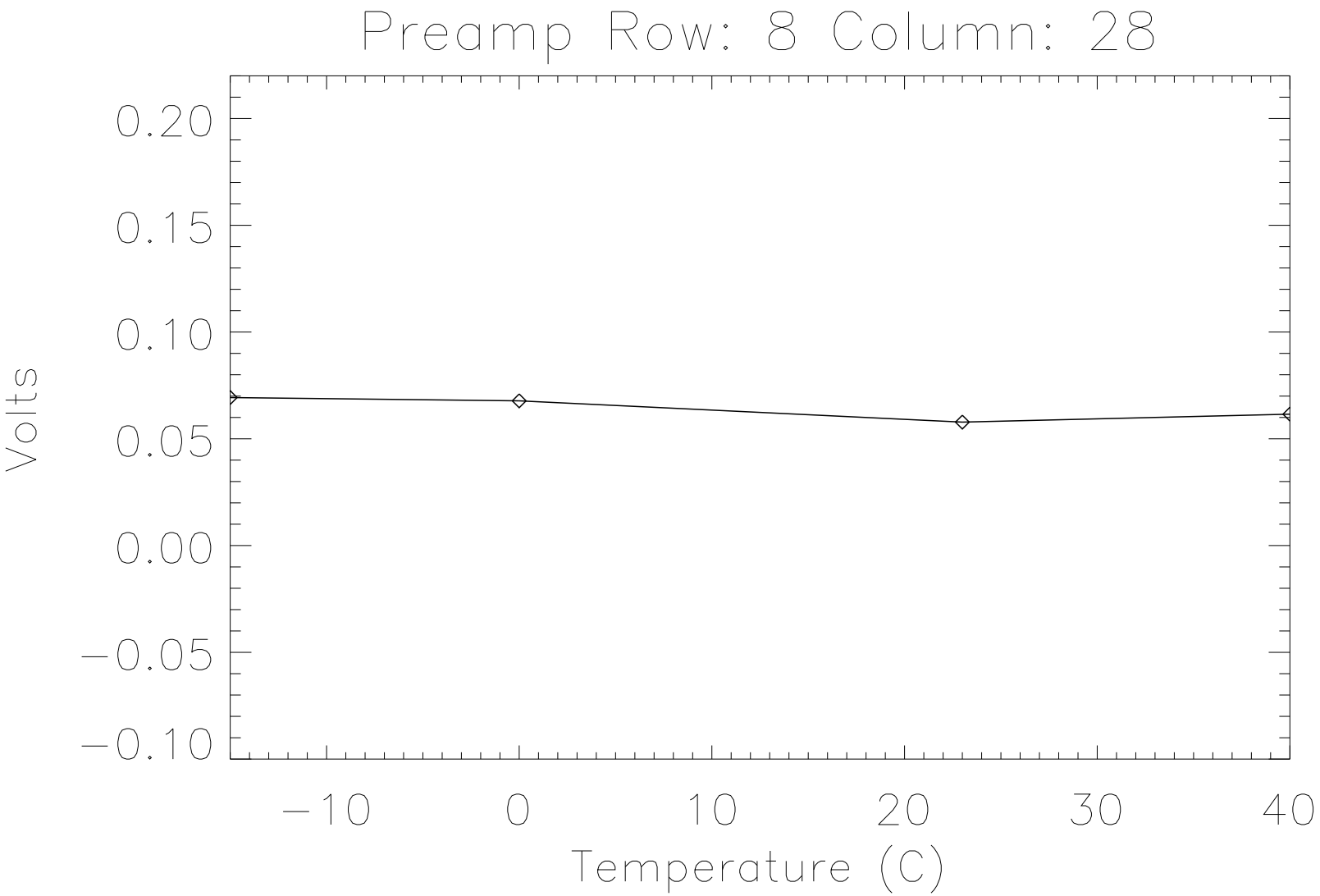
20
30
40
Temperature (C)


Leakage Row: 8 Column: 28
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 8 Column: 28
0.20
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0.10
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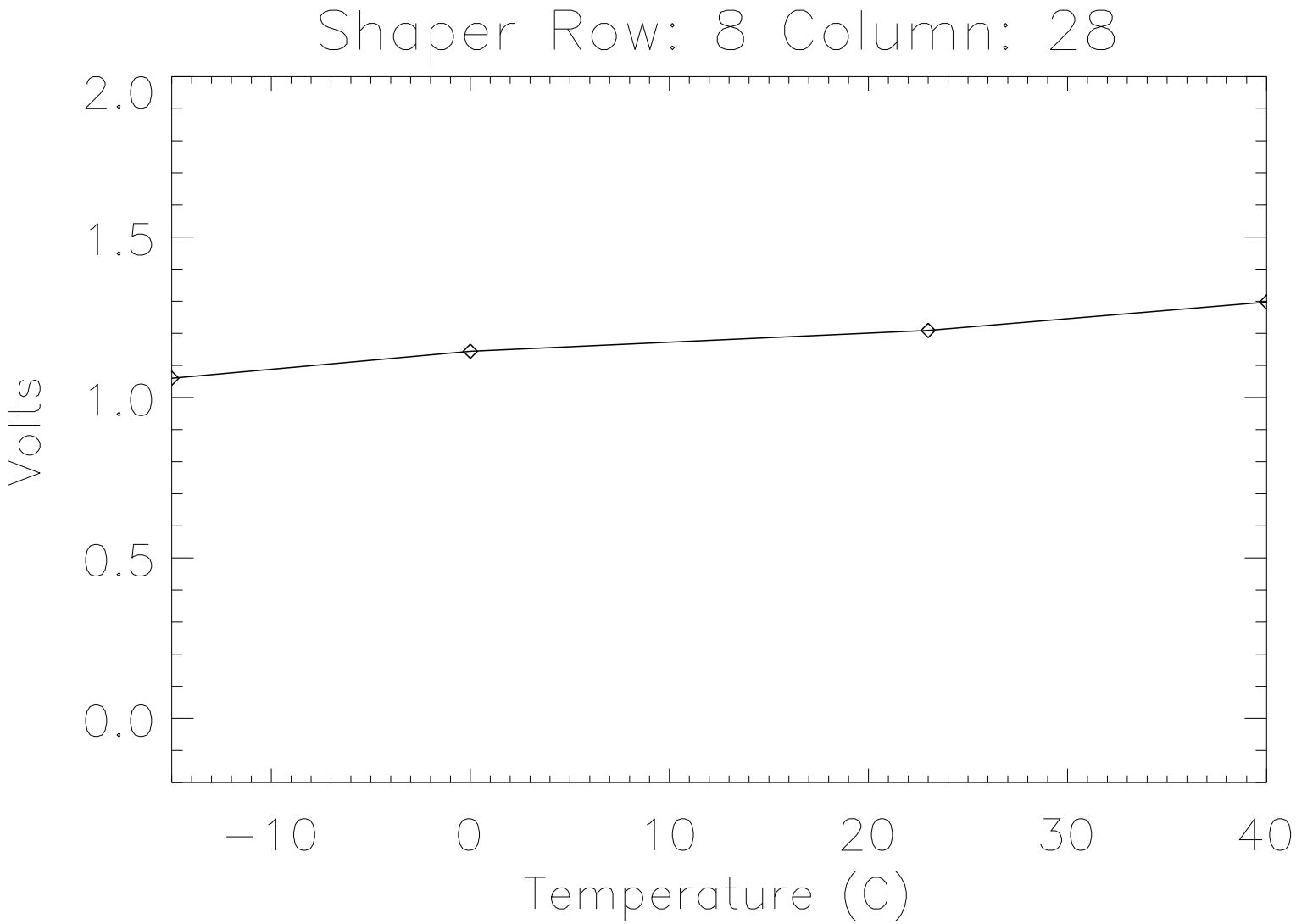
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 8 Column: 28
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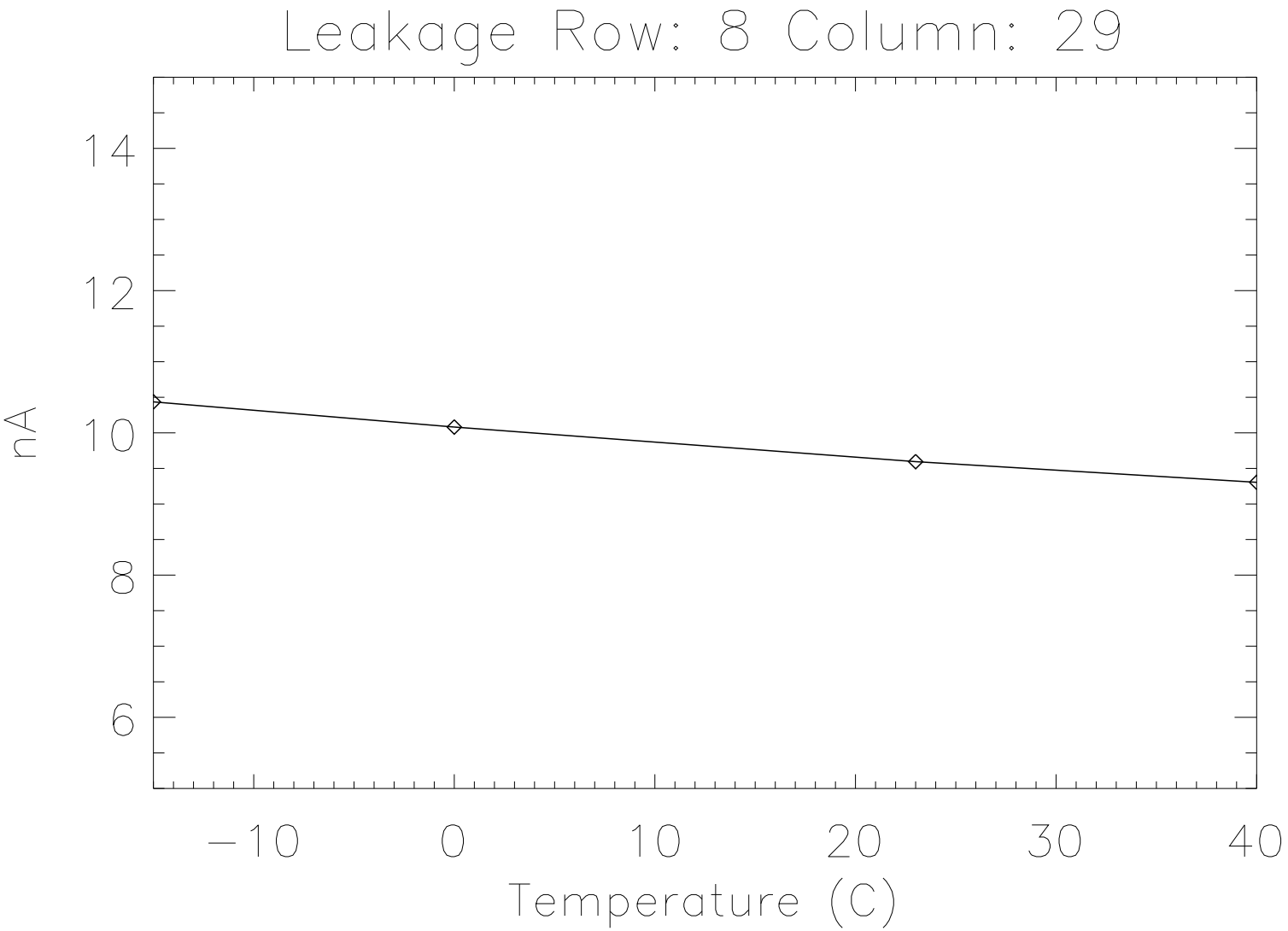
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 8 Column: 29
nA
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12
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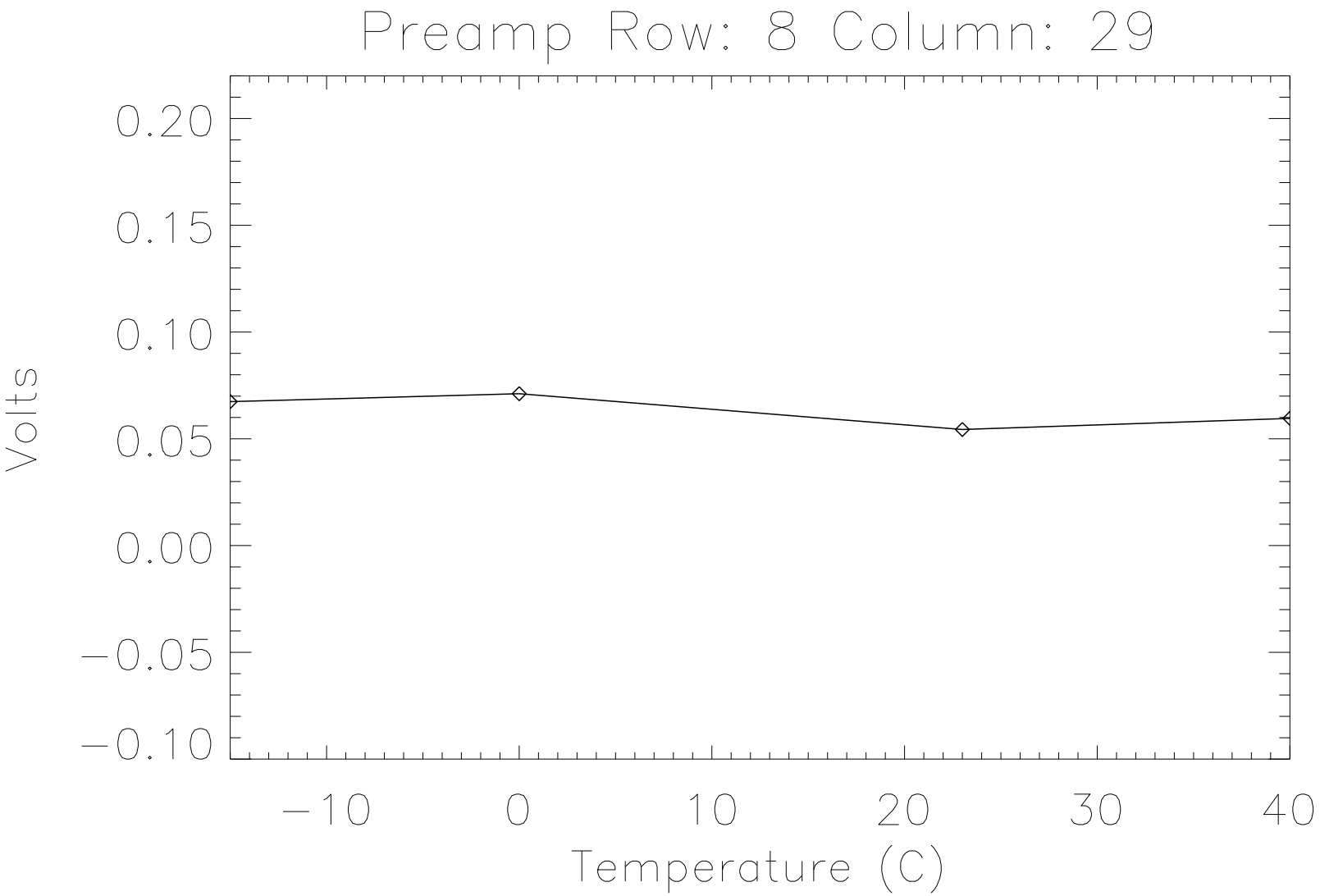
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 8 Column: 29
0.20
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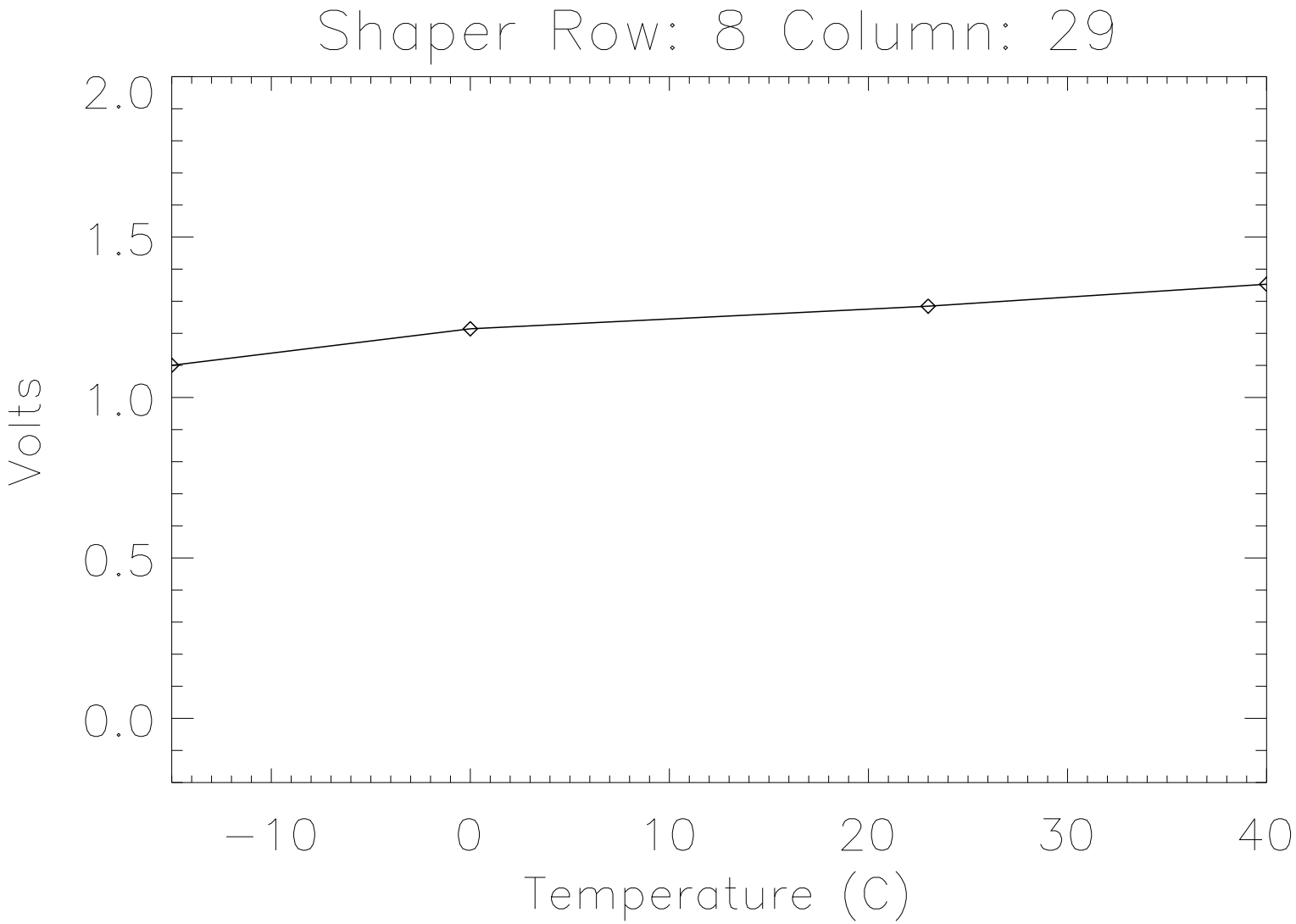
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 8 Column: 29
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1.5
1.0
0.5
0.0
Volts
−10
0
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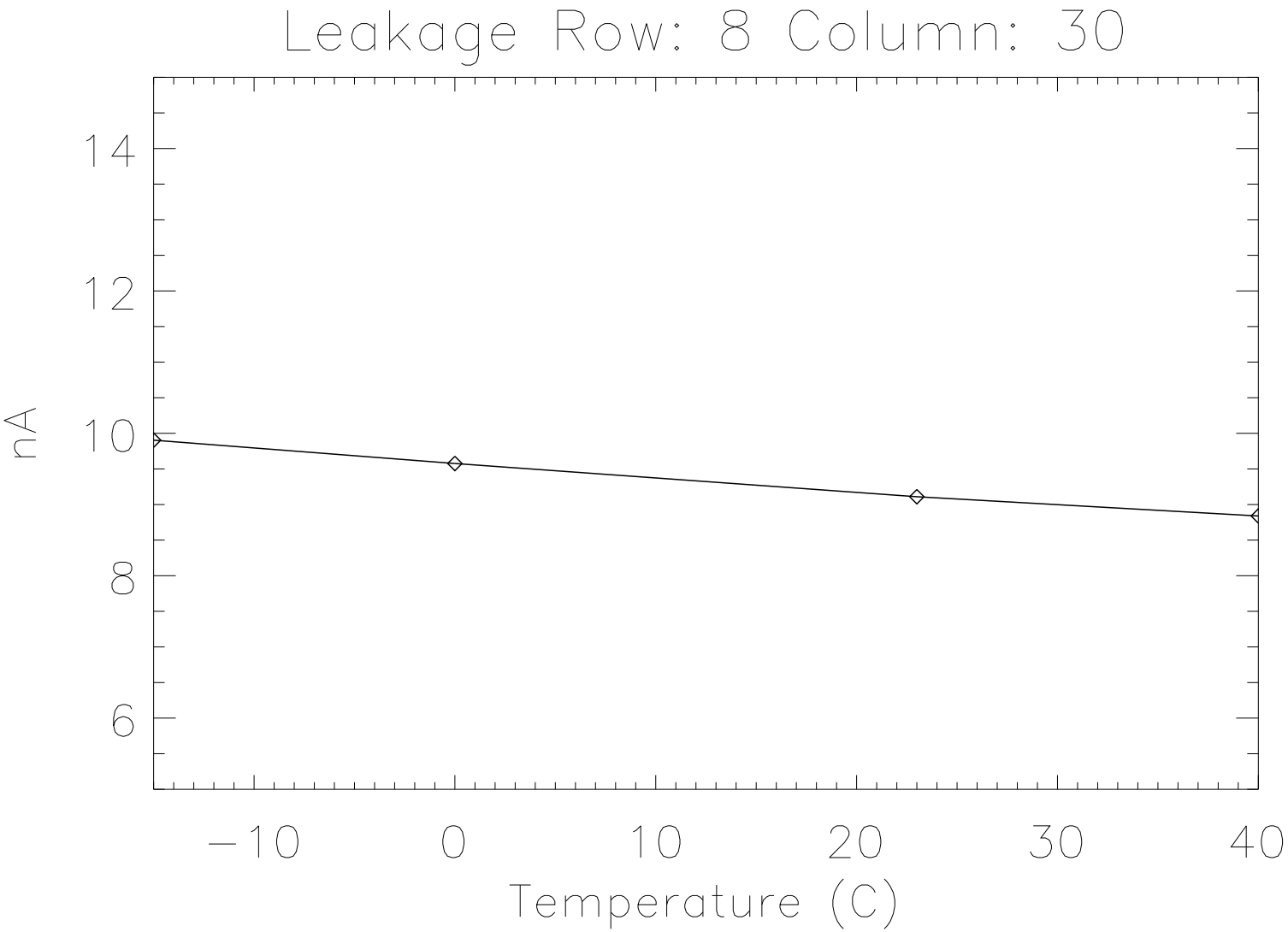
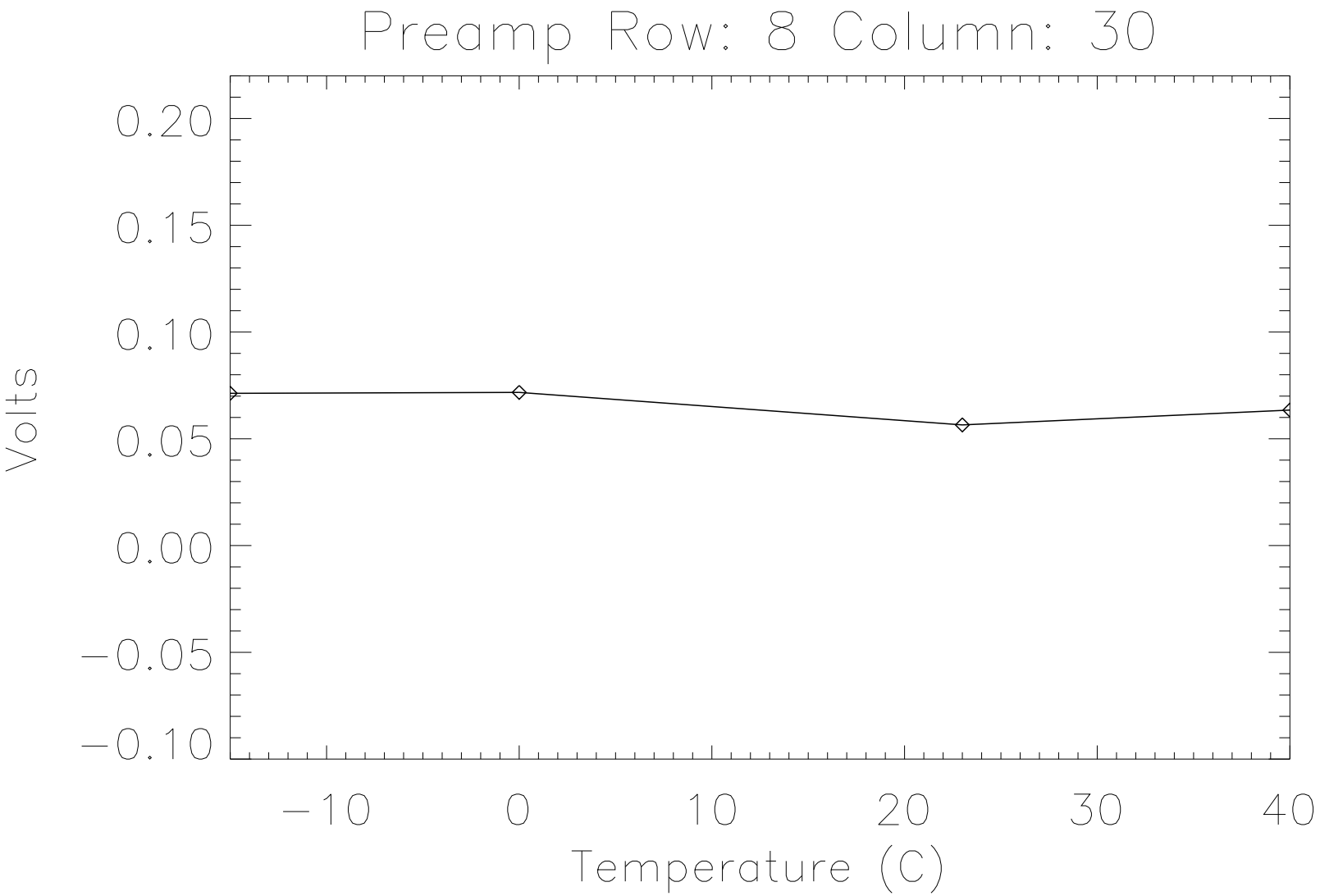
20
30
40
Temperature (C)


Leakage Row: 8 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 8 Column: 30
0.20
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0.10
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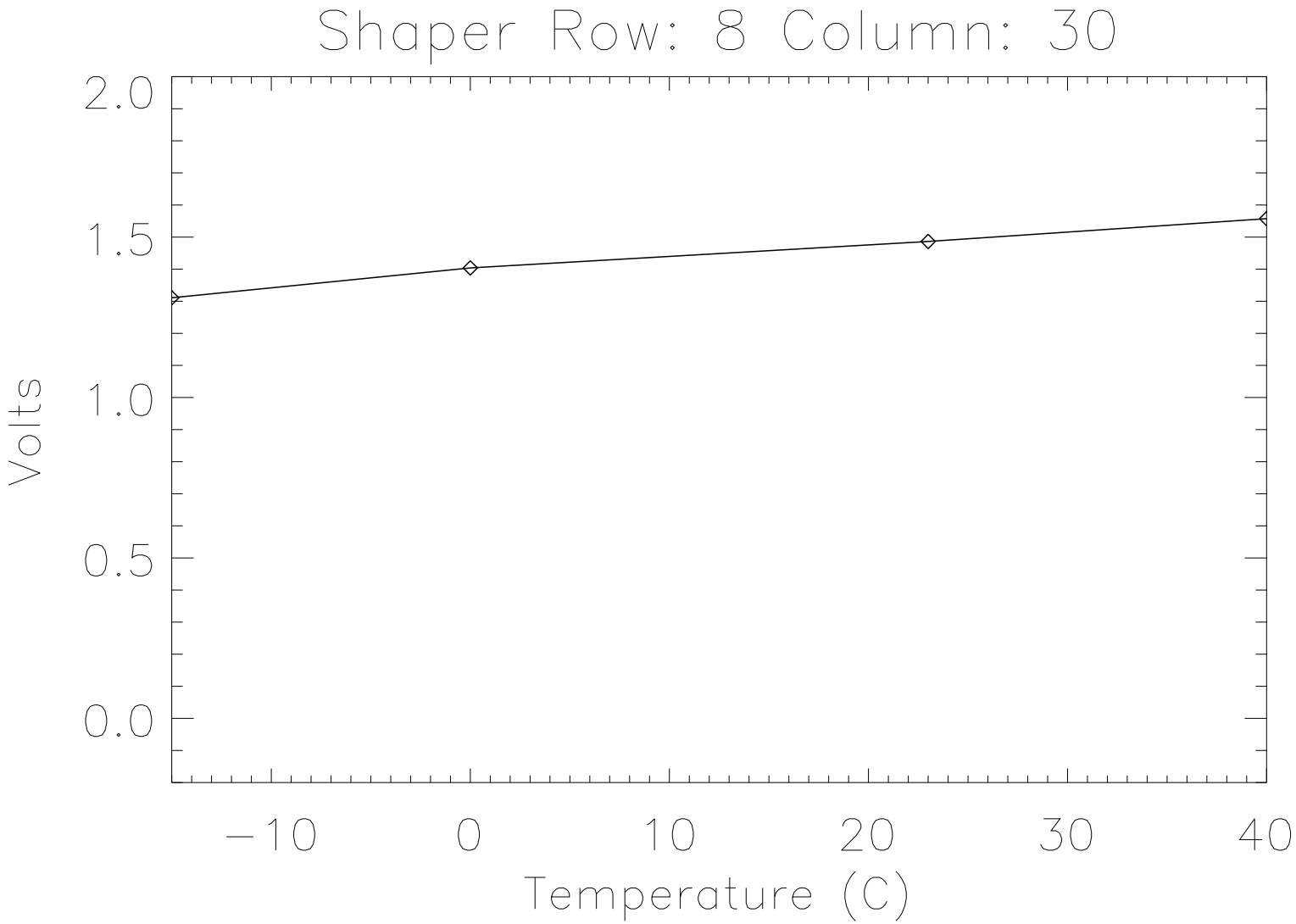
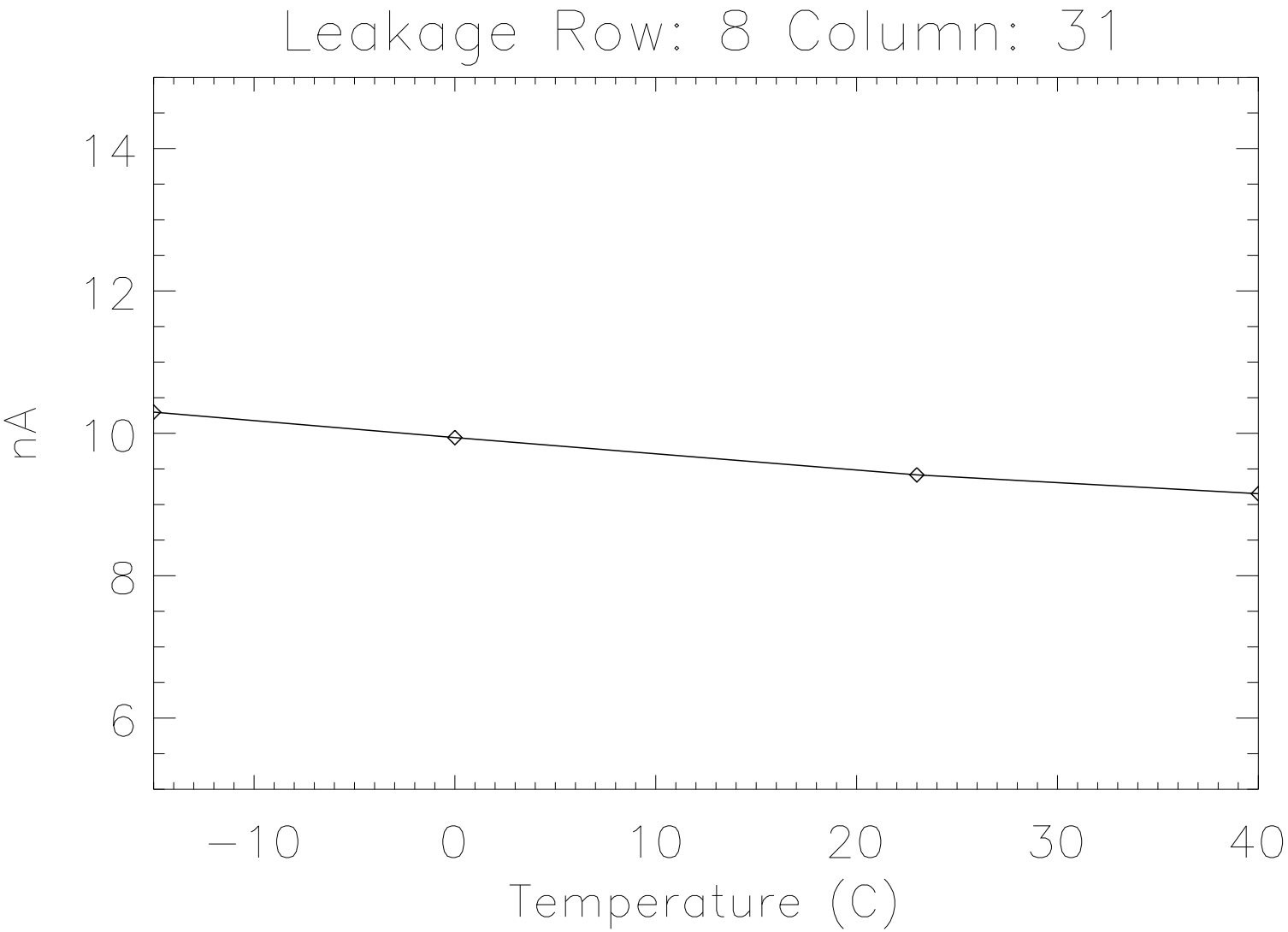
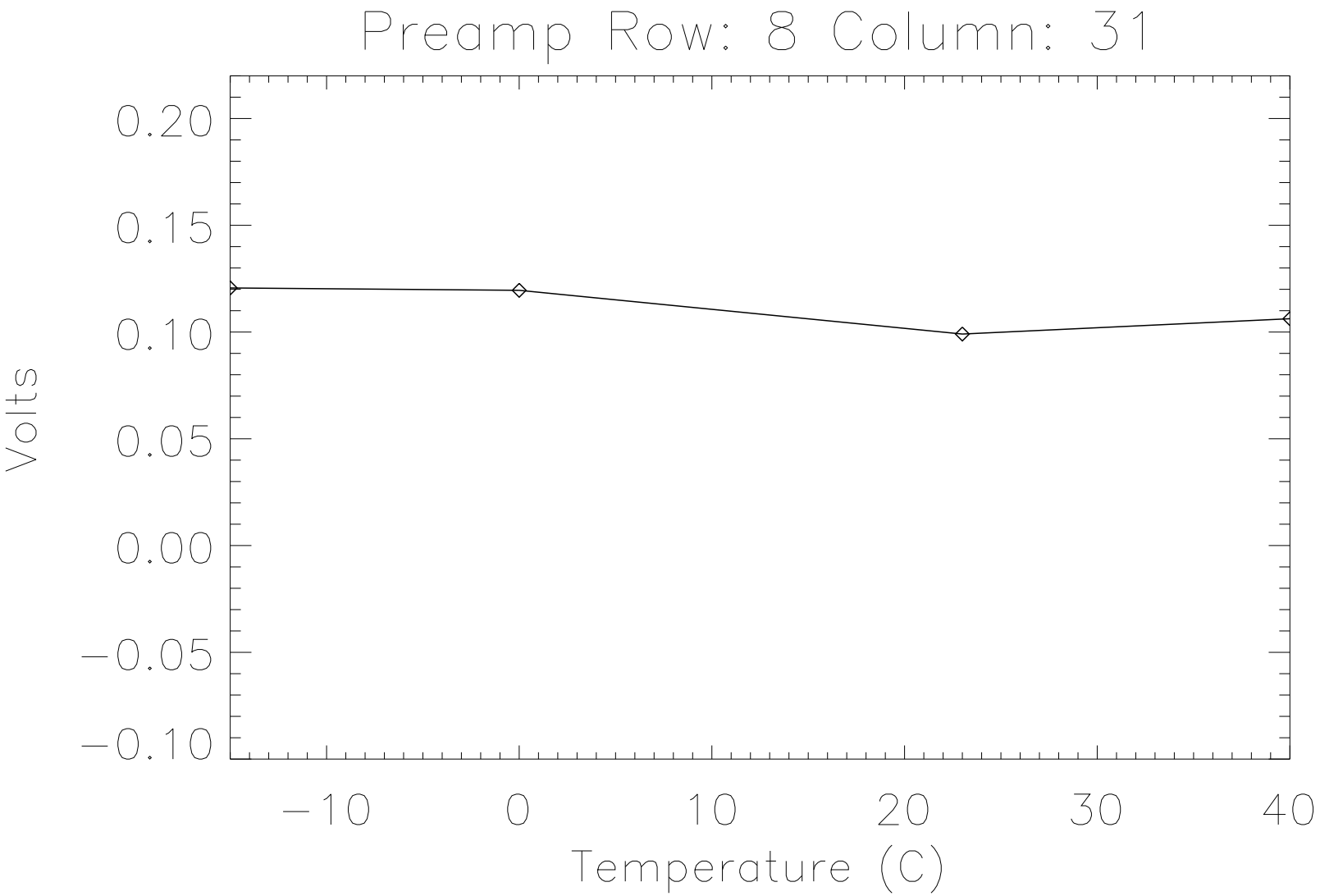
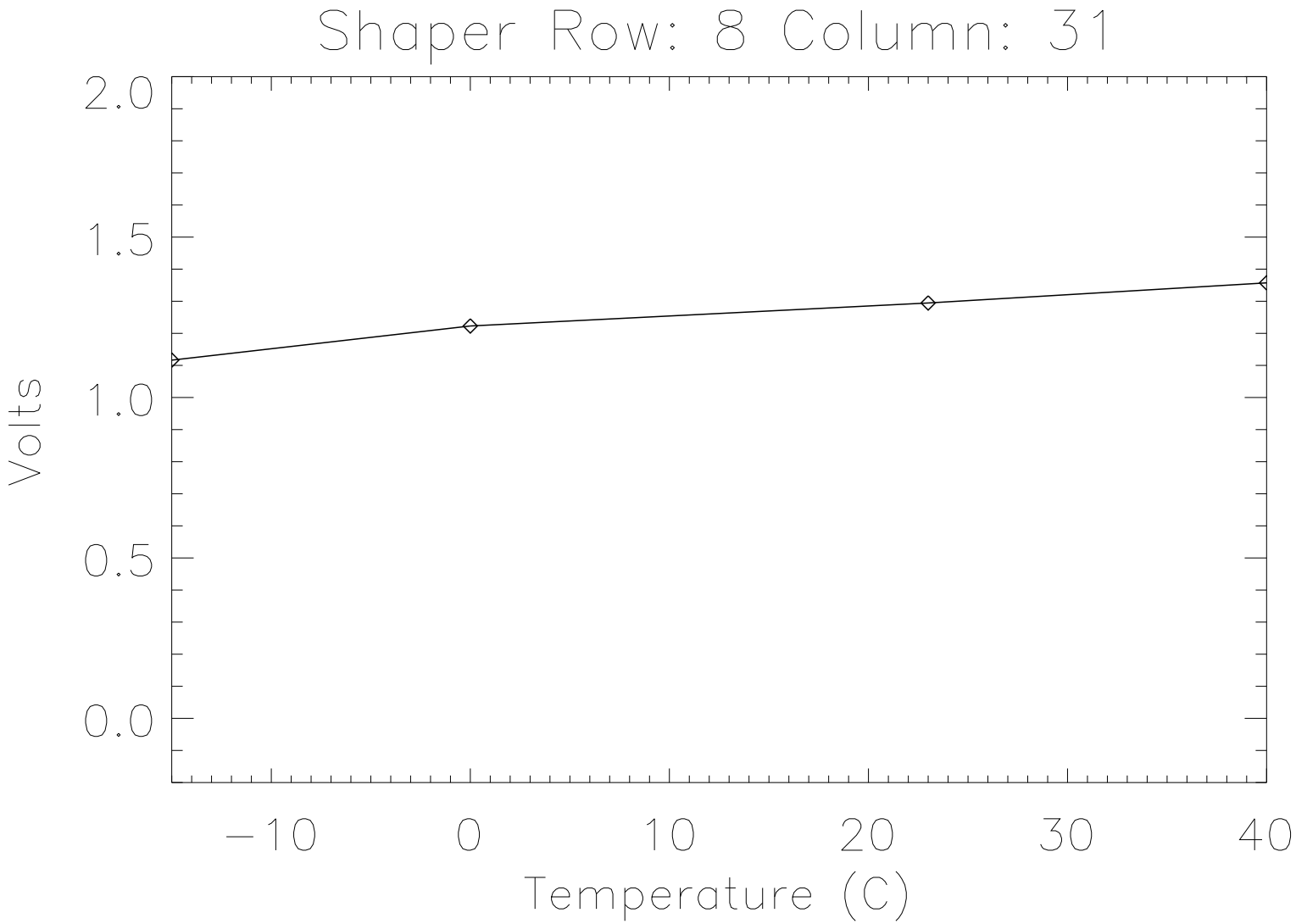
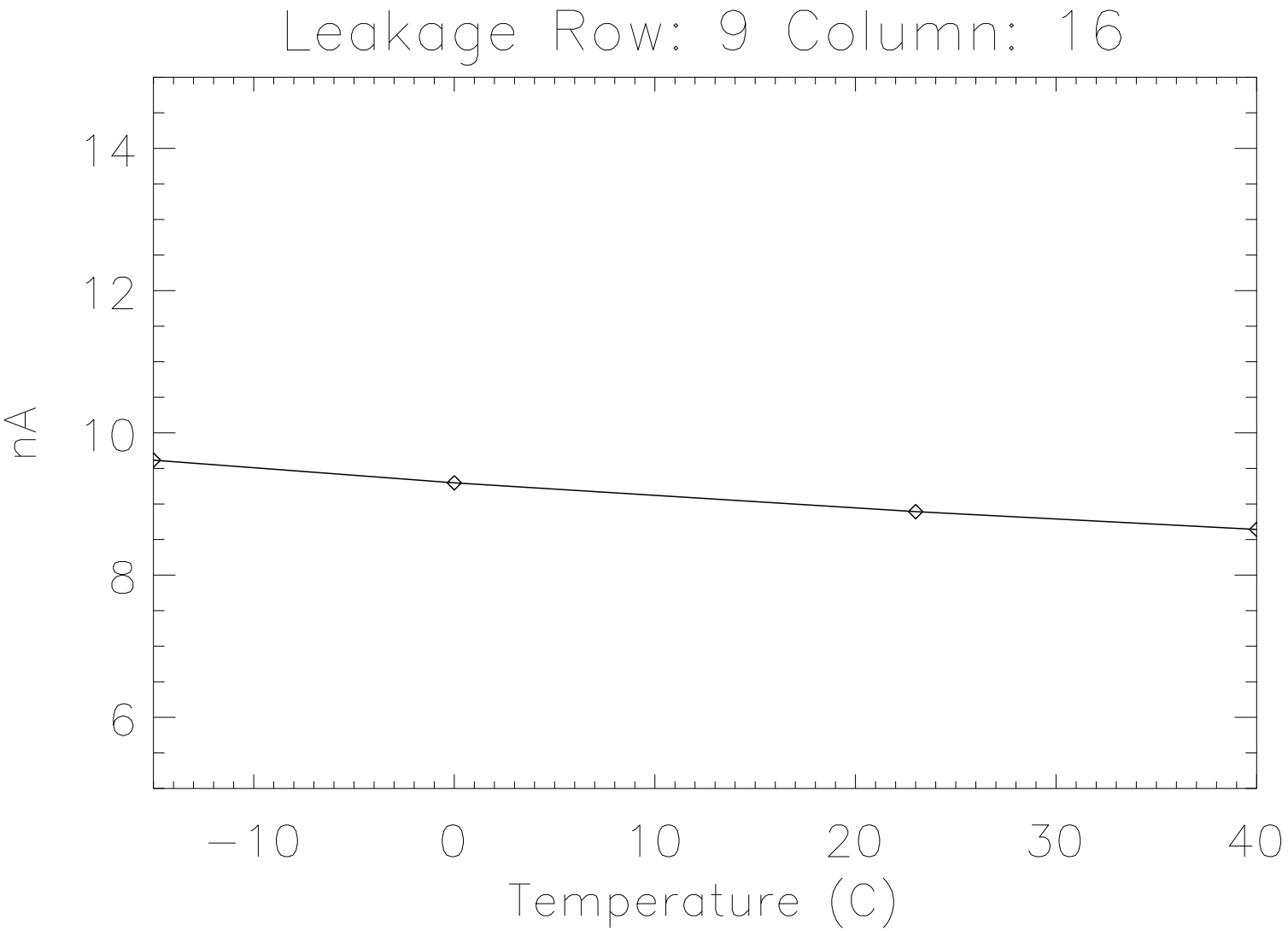
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

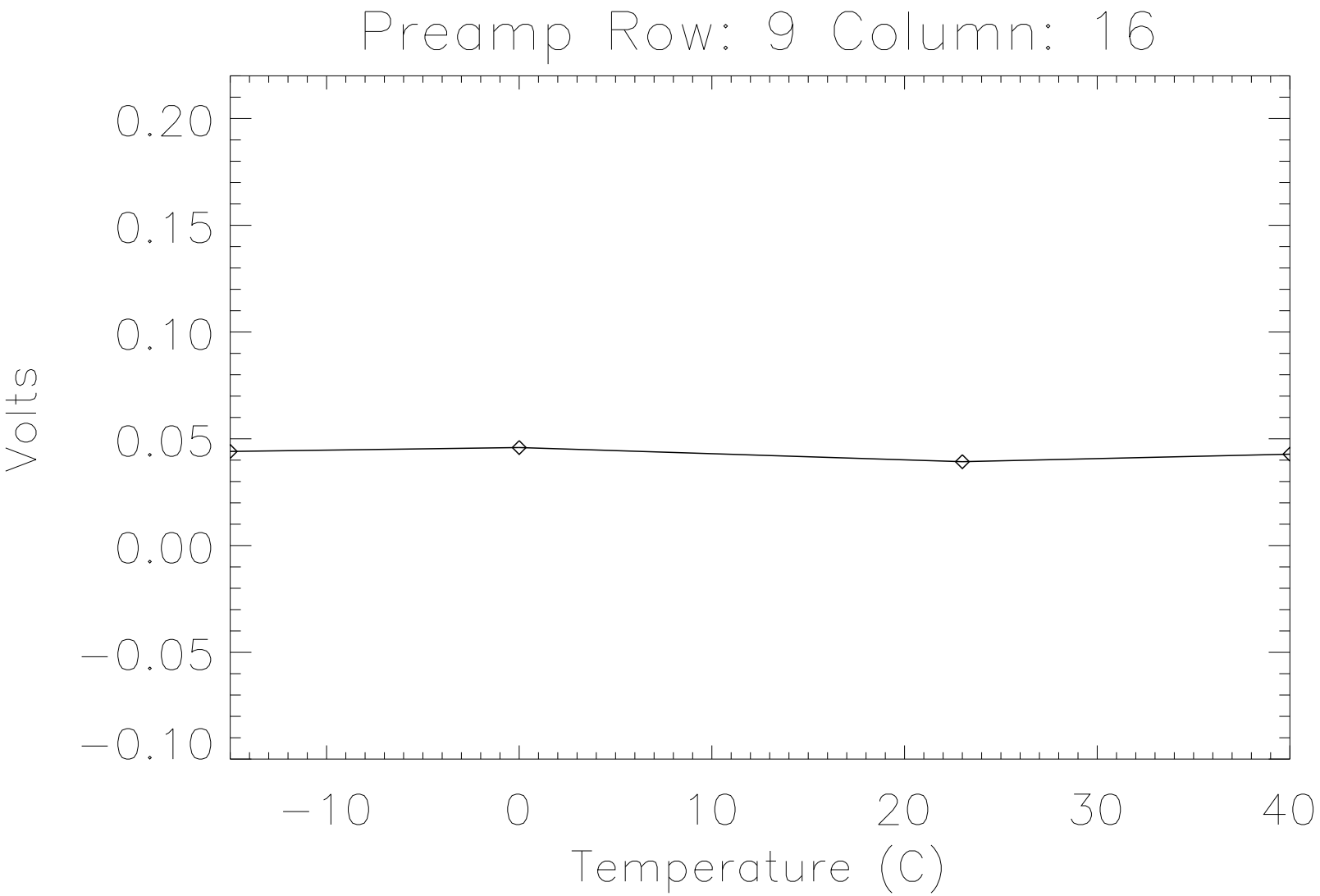

Shaper Row: 8 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

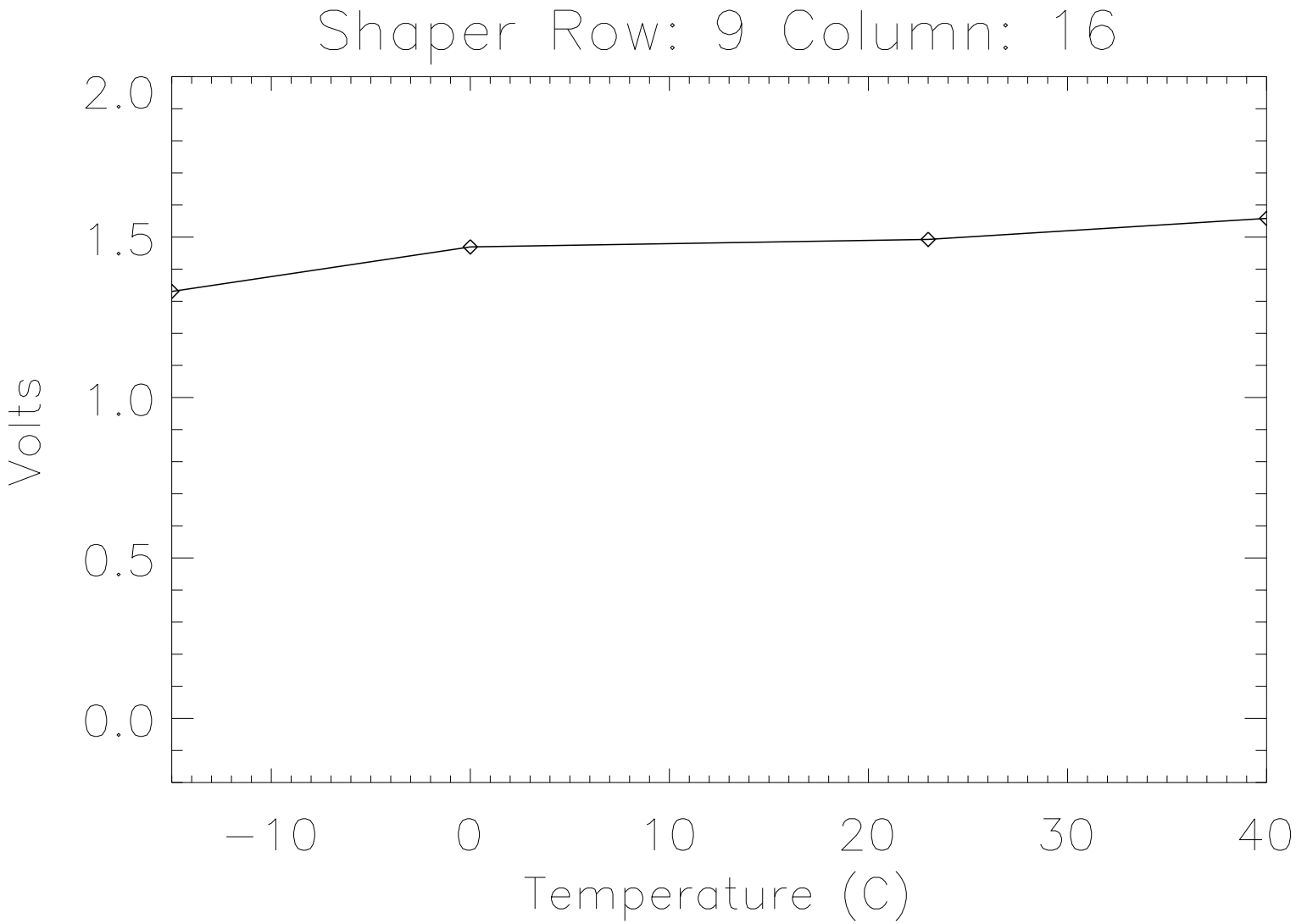

Leakage Row: 8 Column: 31
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

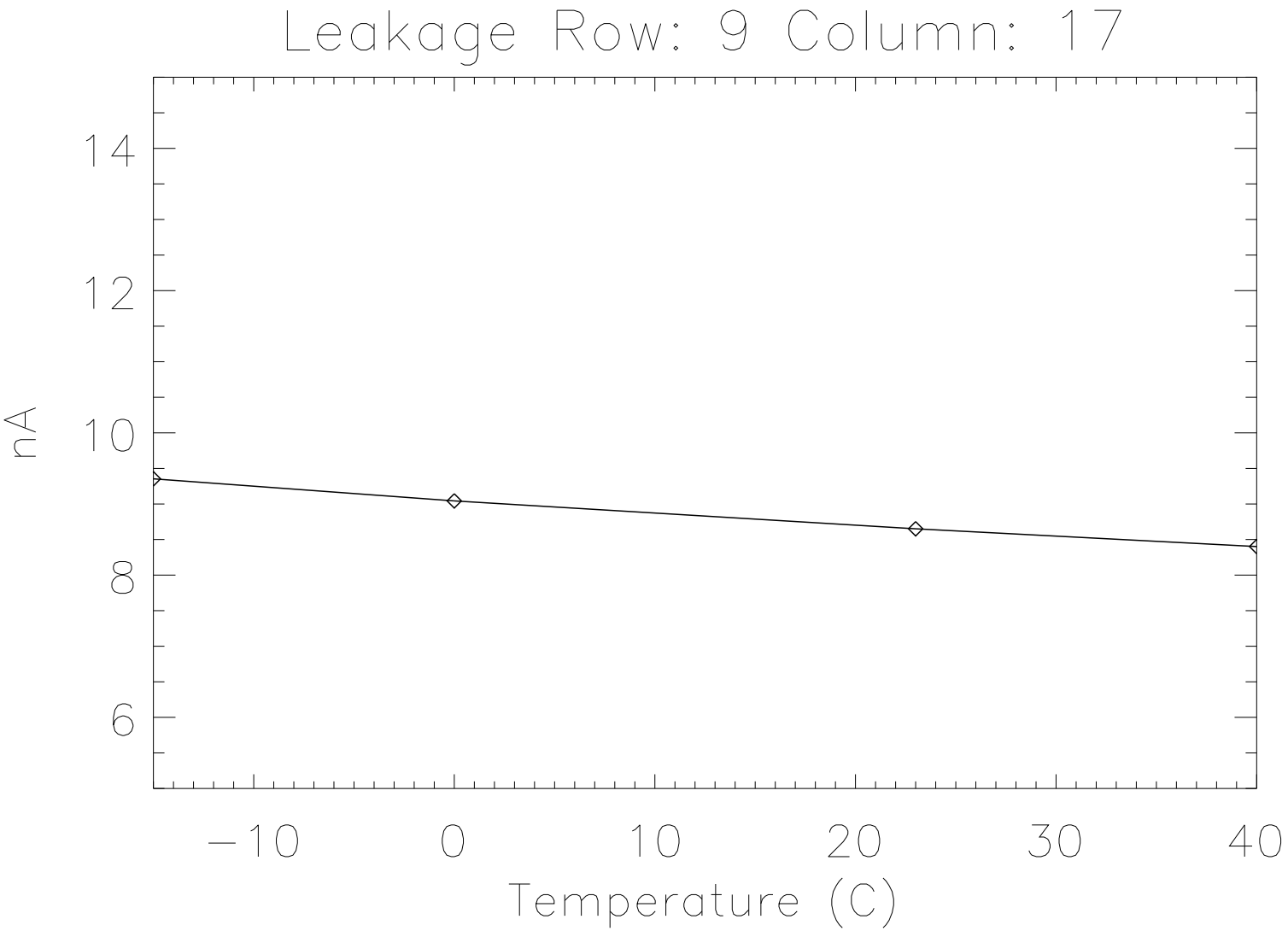

Preamp Row: 8 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

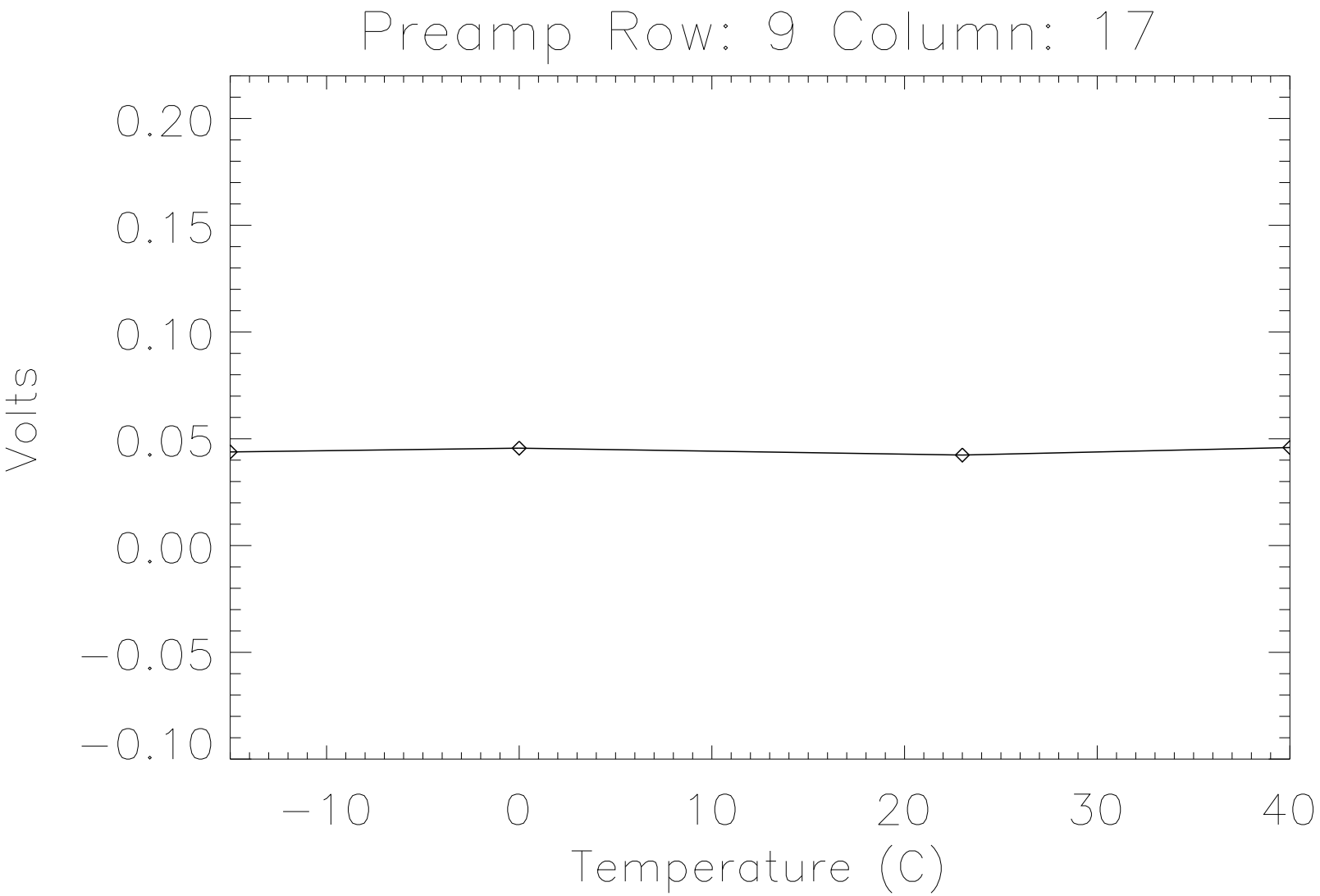

Shaper Row: 8 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

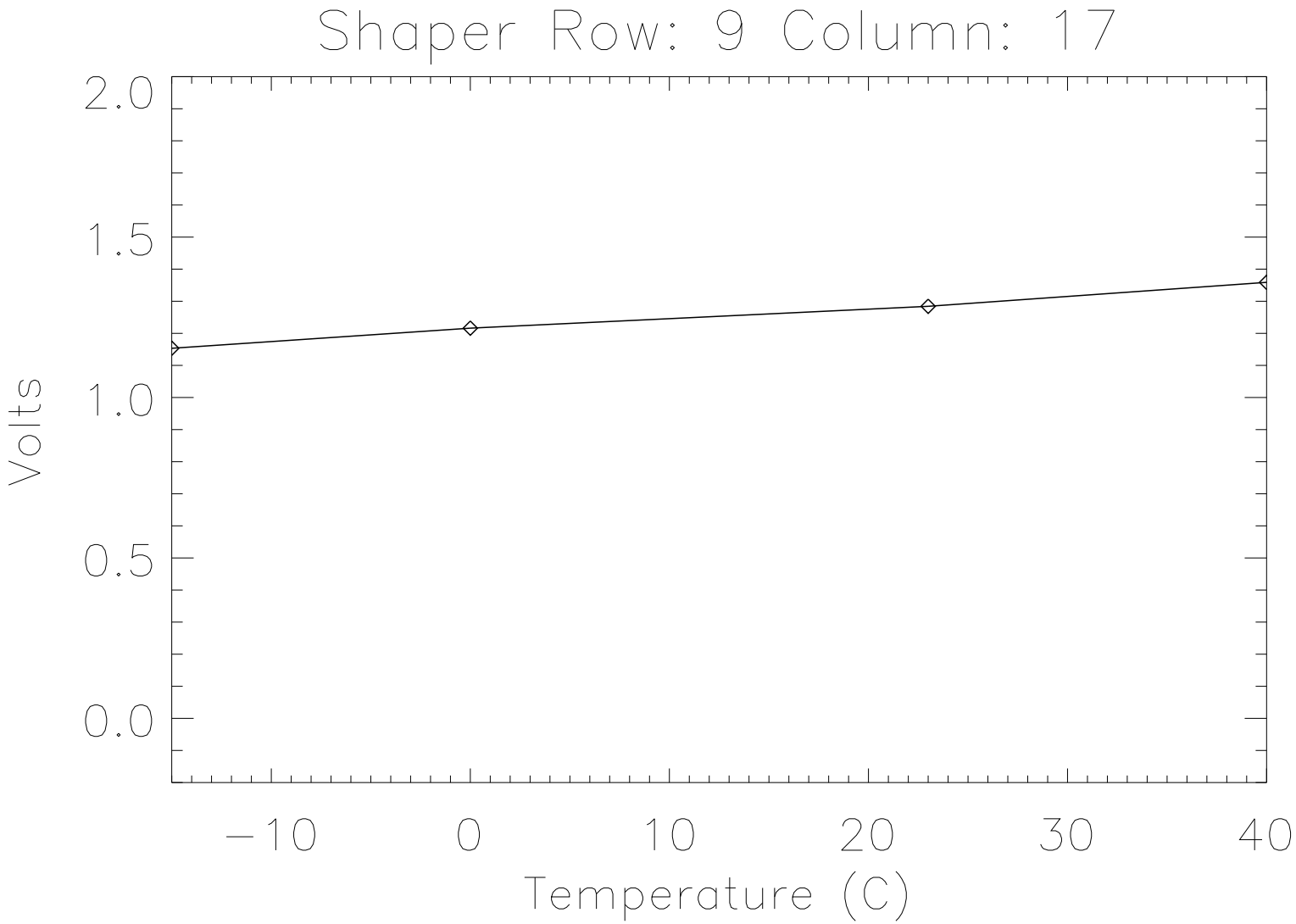

Leakage Row: 9 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

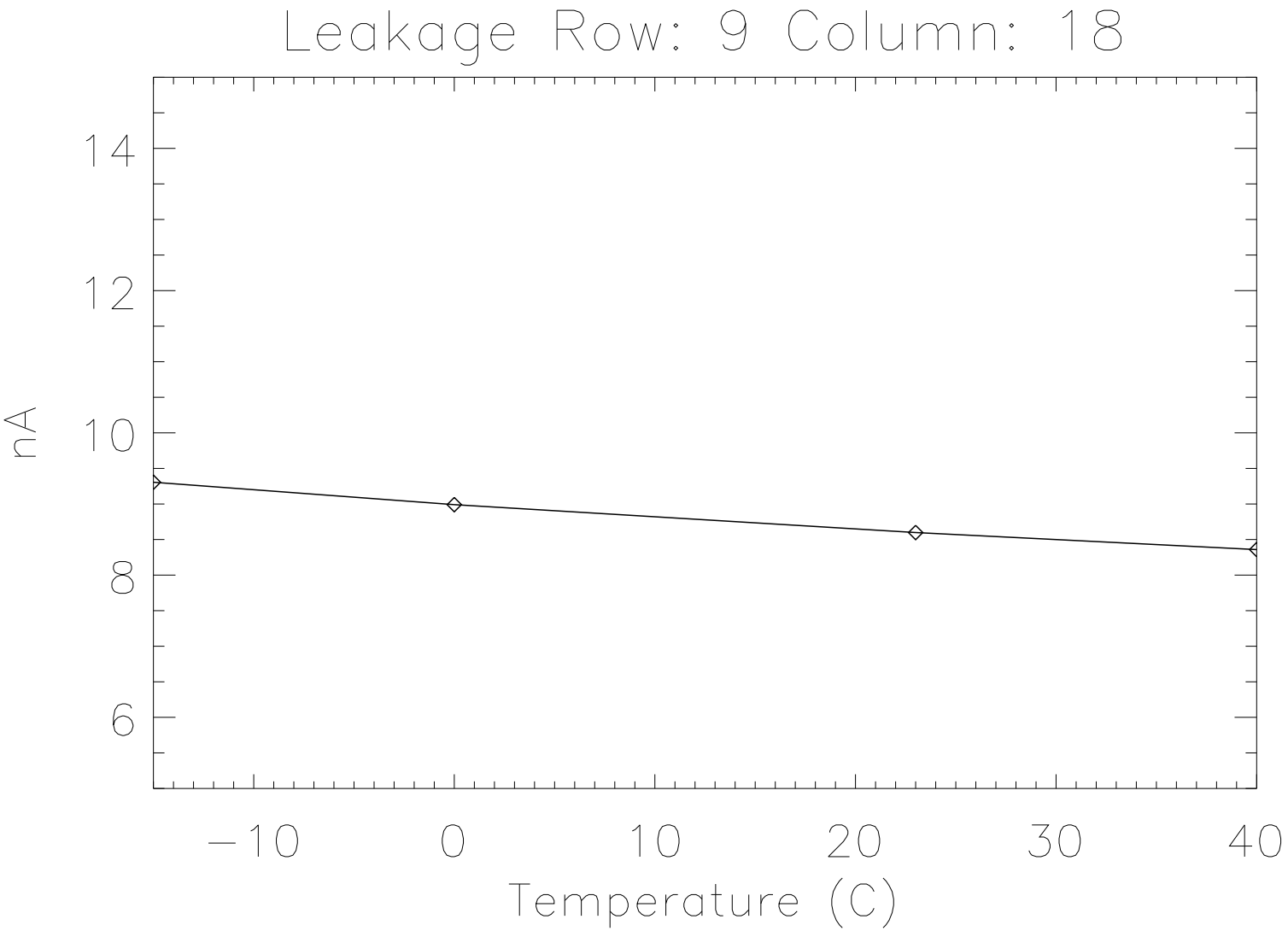

Preamp Row: 9 Column: 16
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

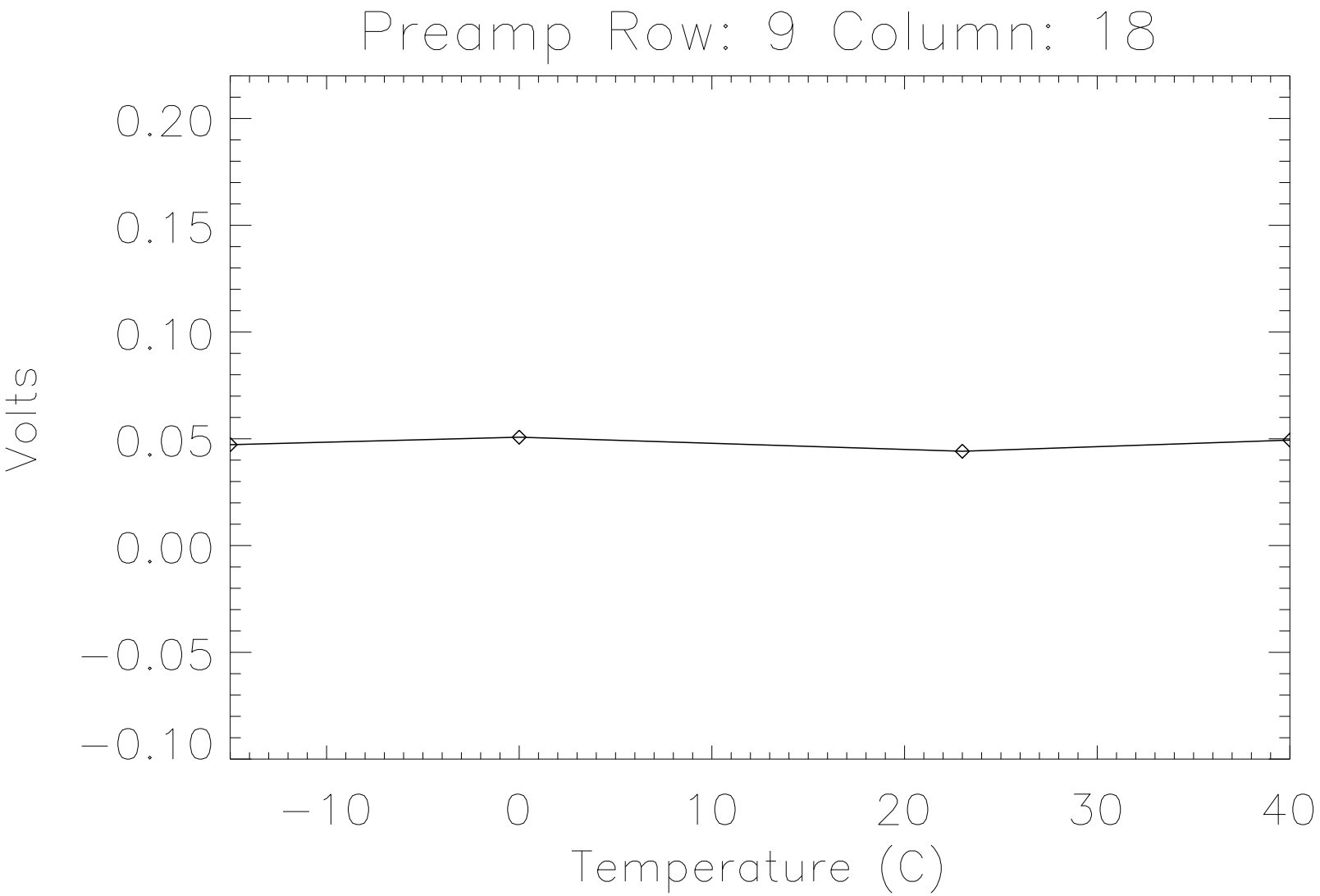

Shaper Row: 9 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

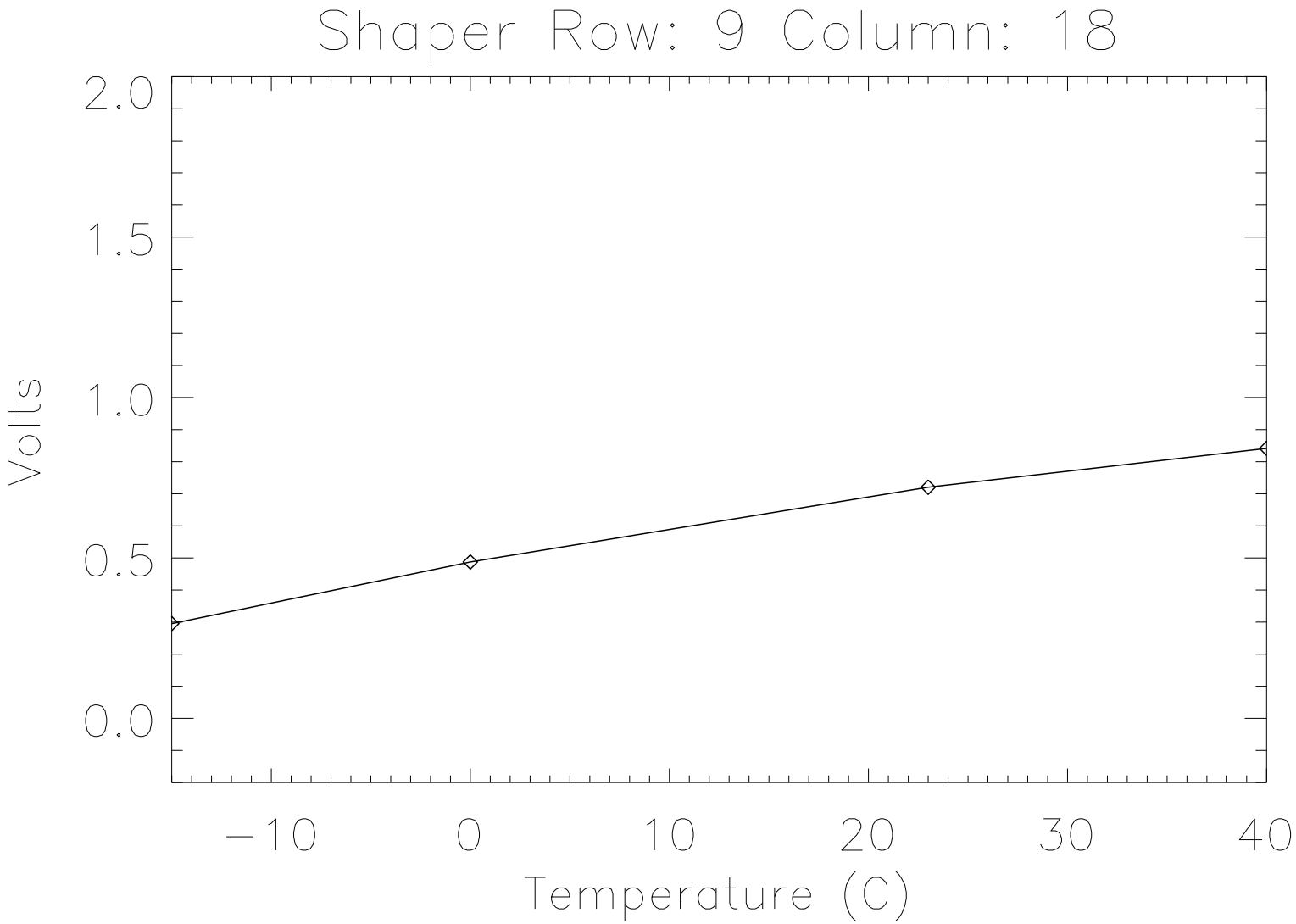

Leakage Row: 9 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

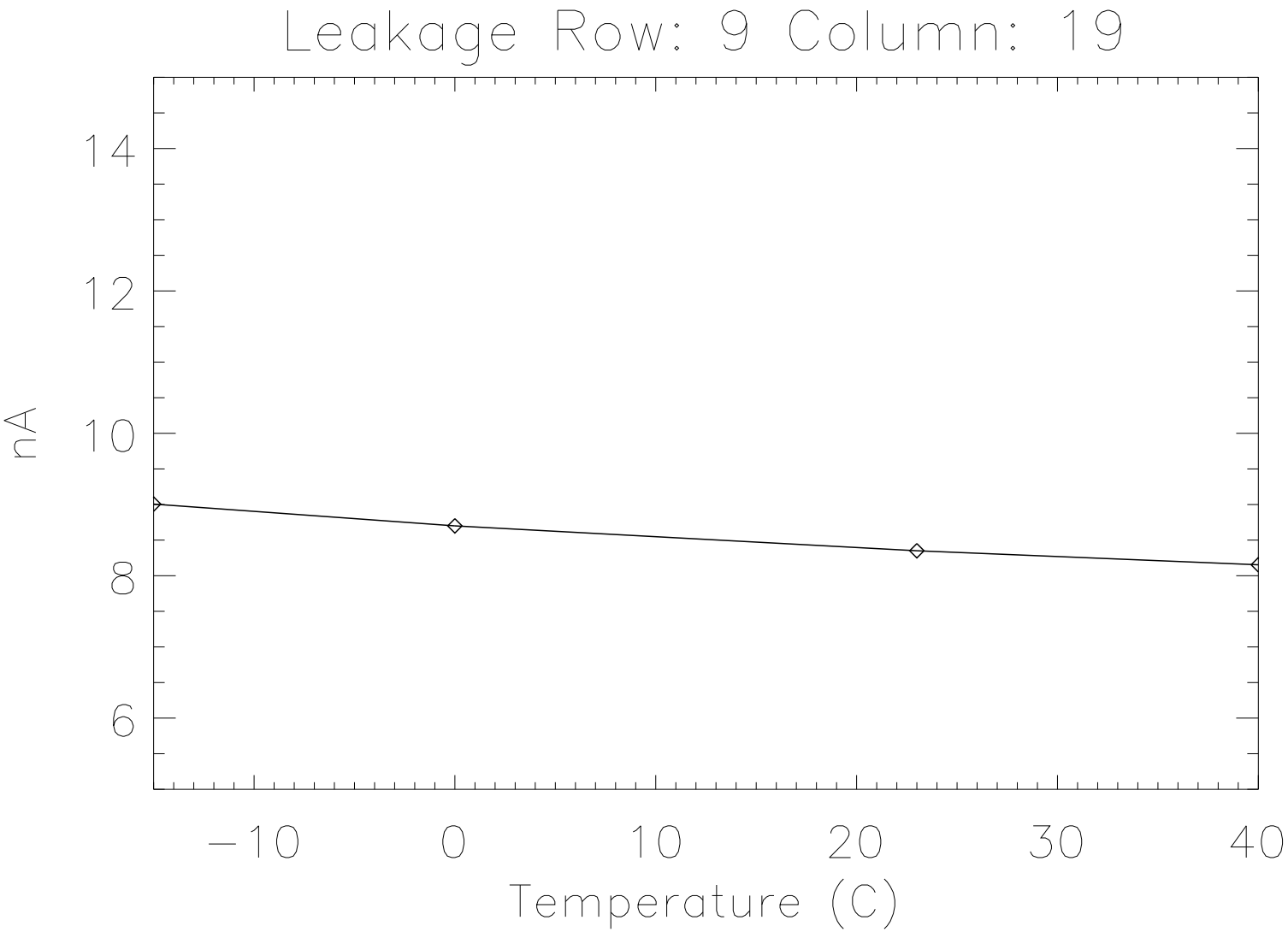

Preamp Row: 9 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

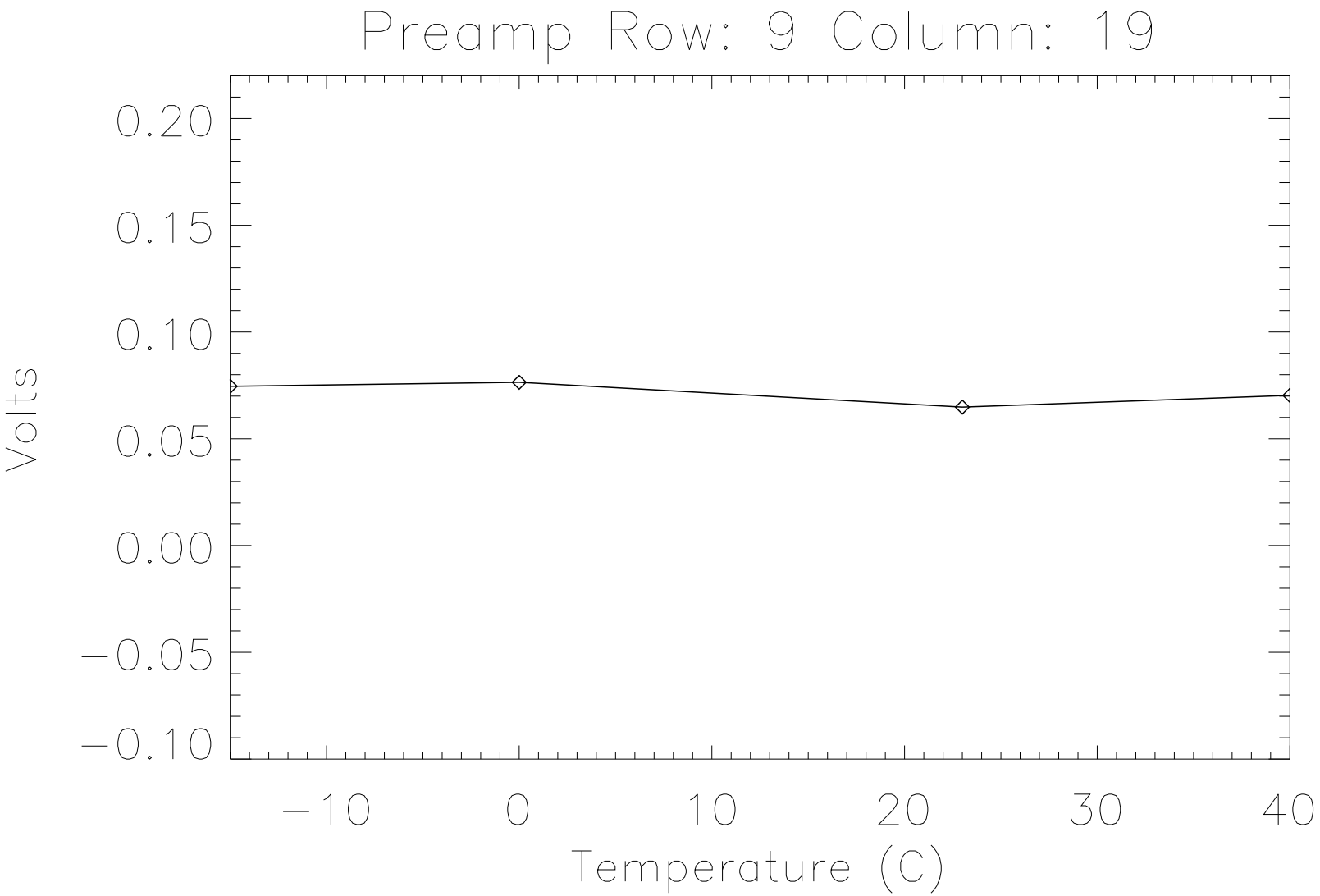

Shaper Row: 9 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

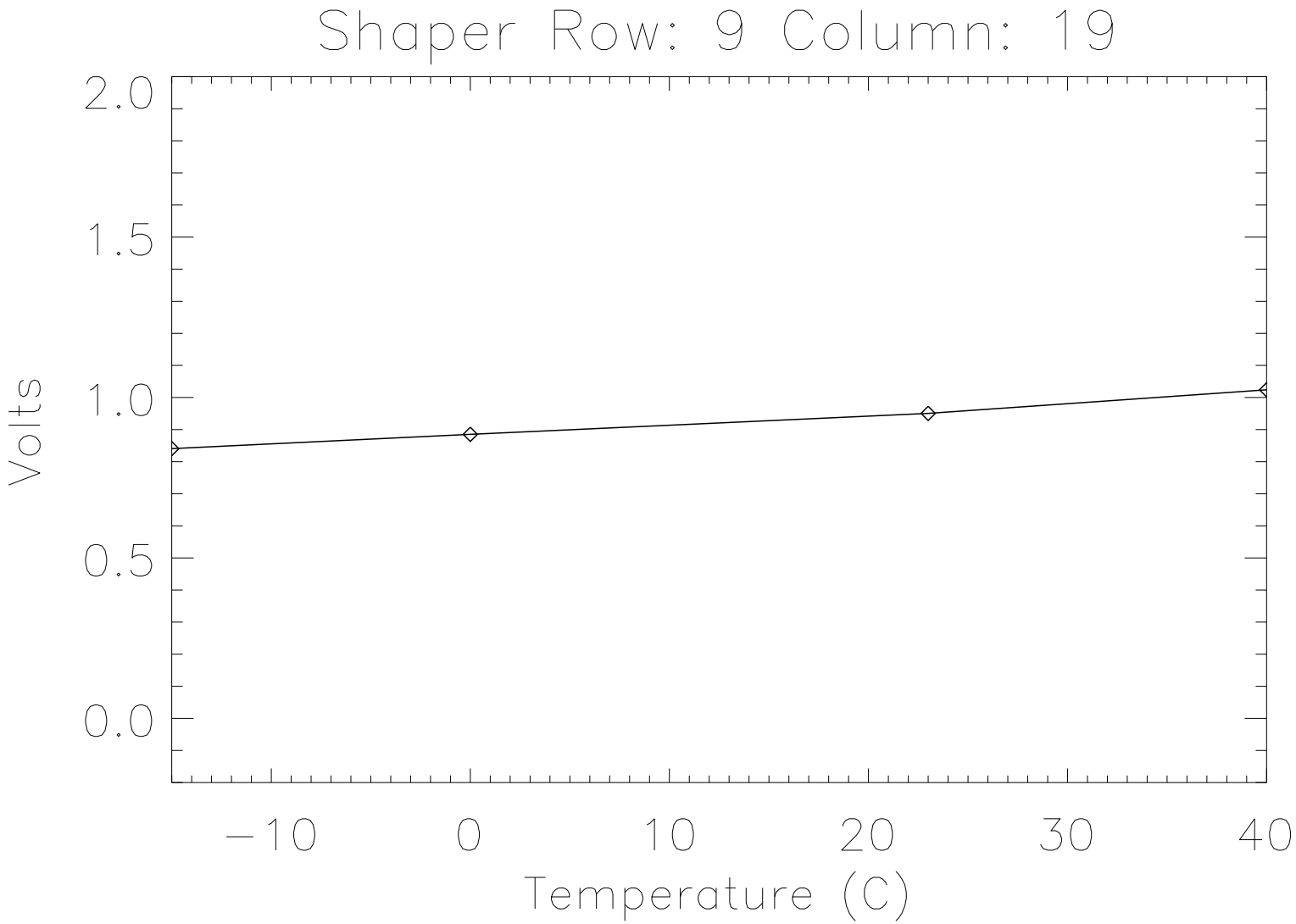

Leakage Row: 9 Column: 18
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

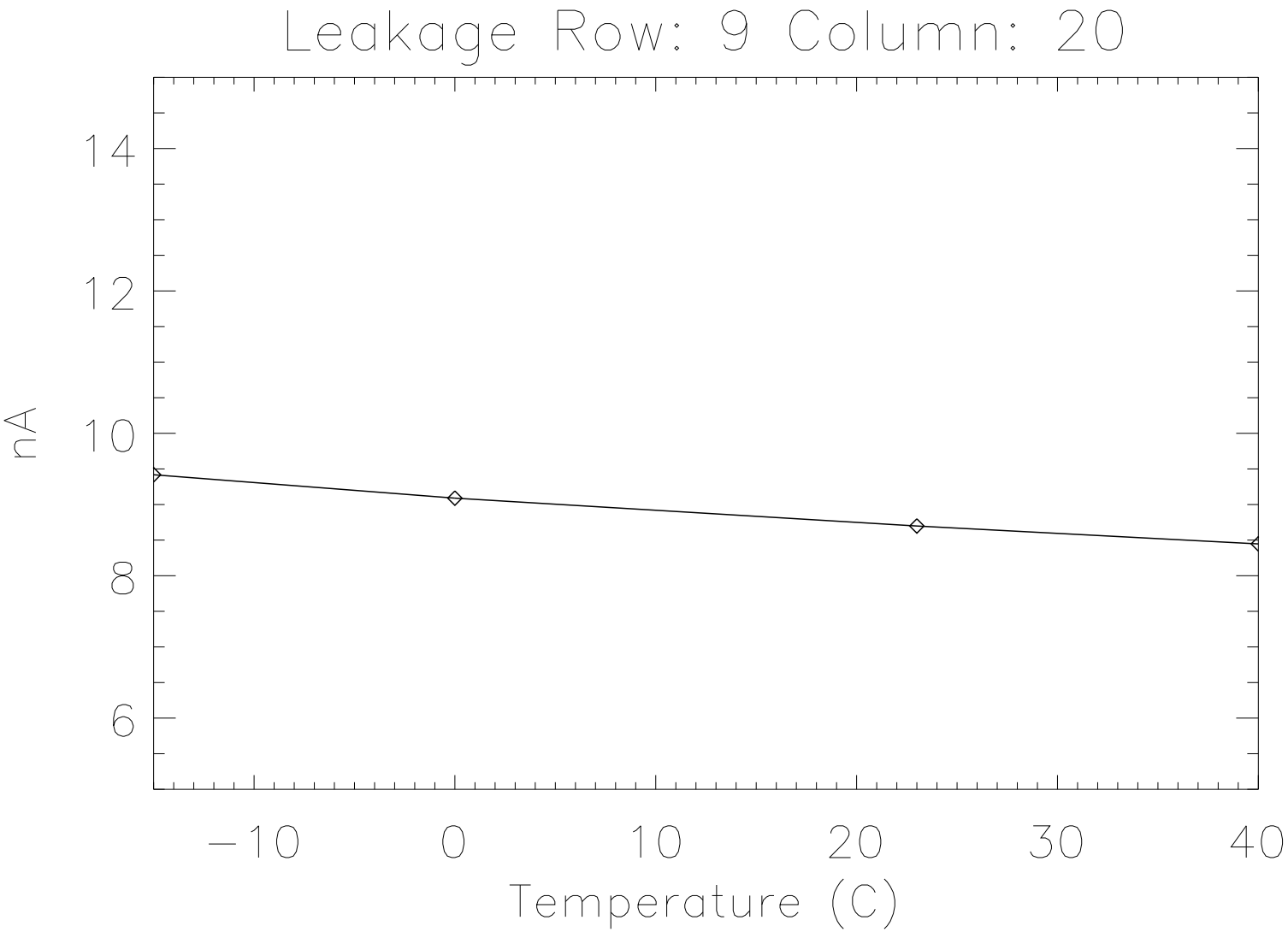

Preamp Row: 9 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

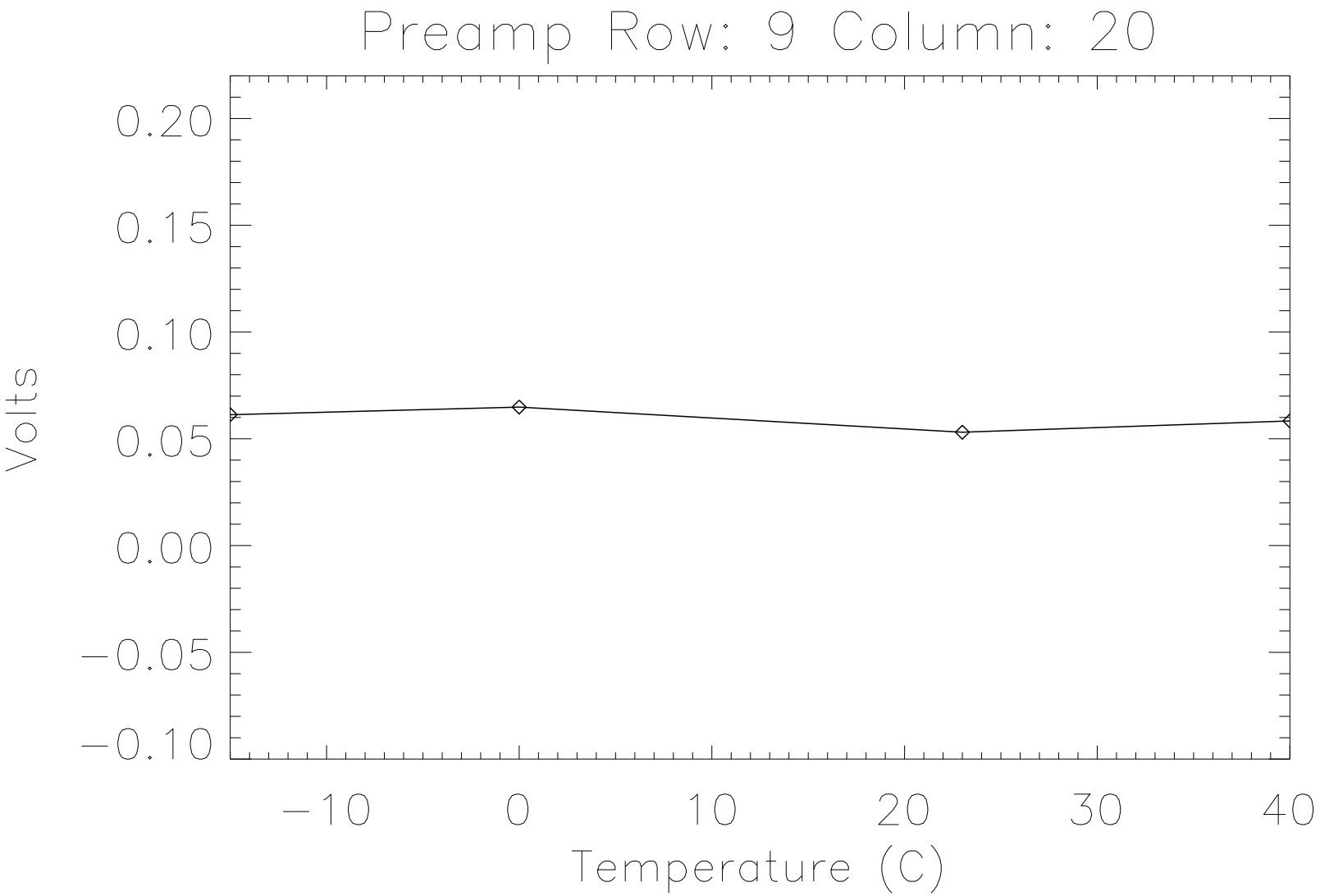

Shaper Row: 9 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

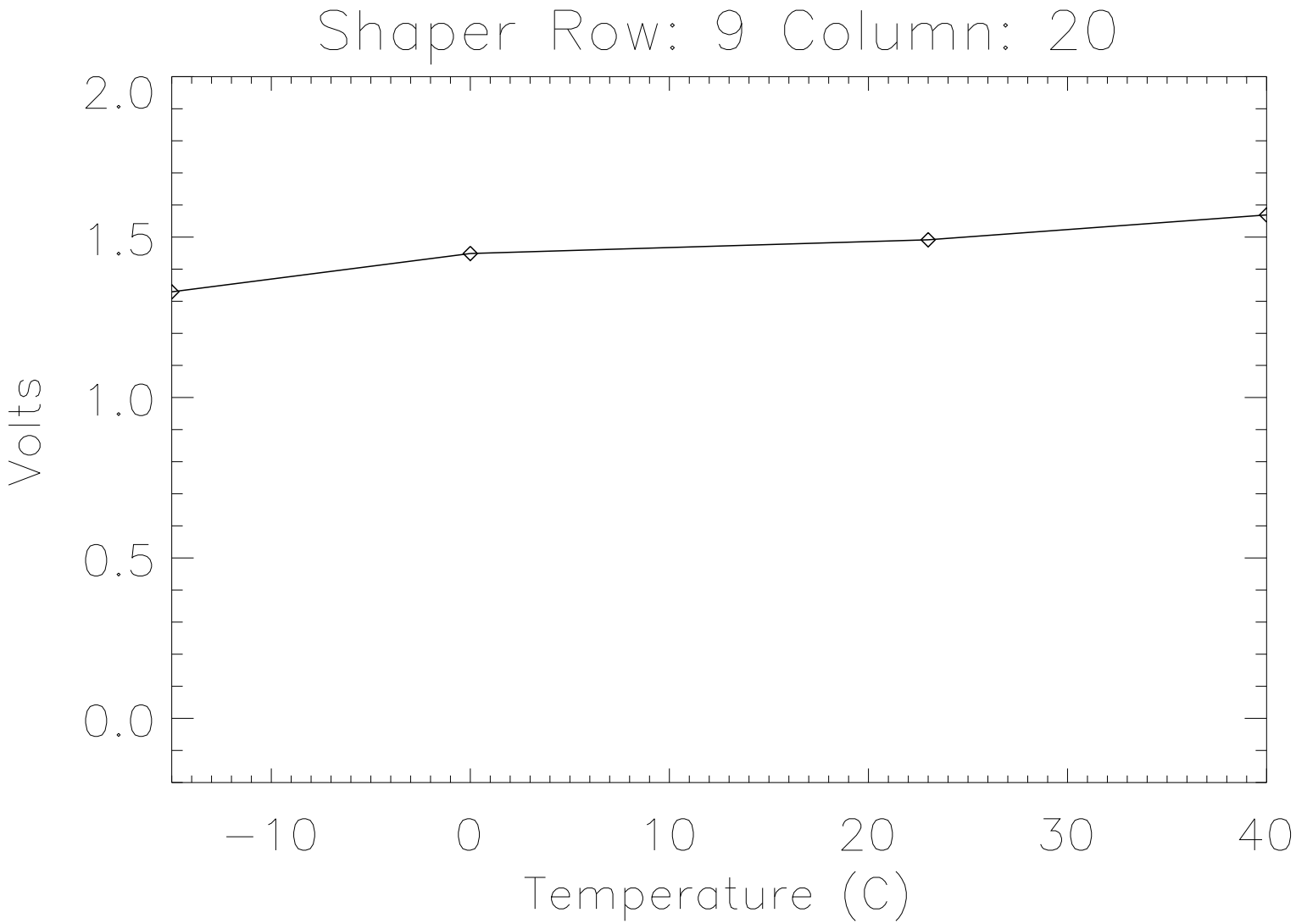

Leakage Row: 9 Column: 19
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

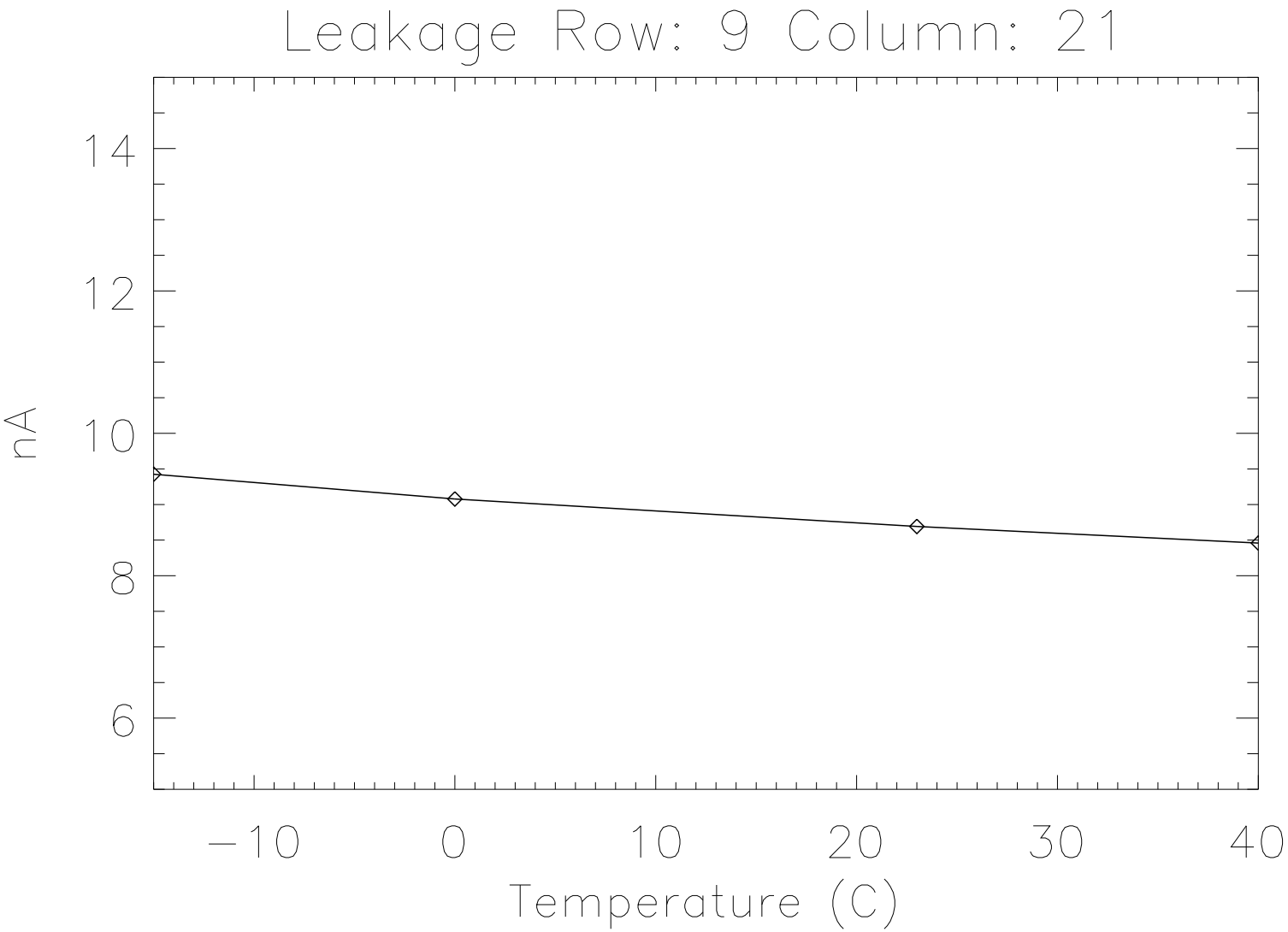

Preamp Row: 9 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

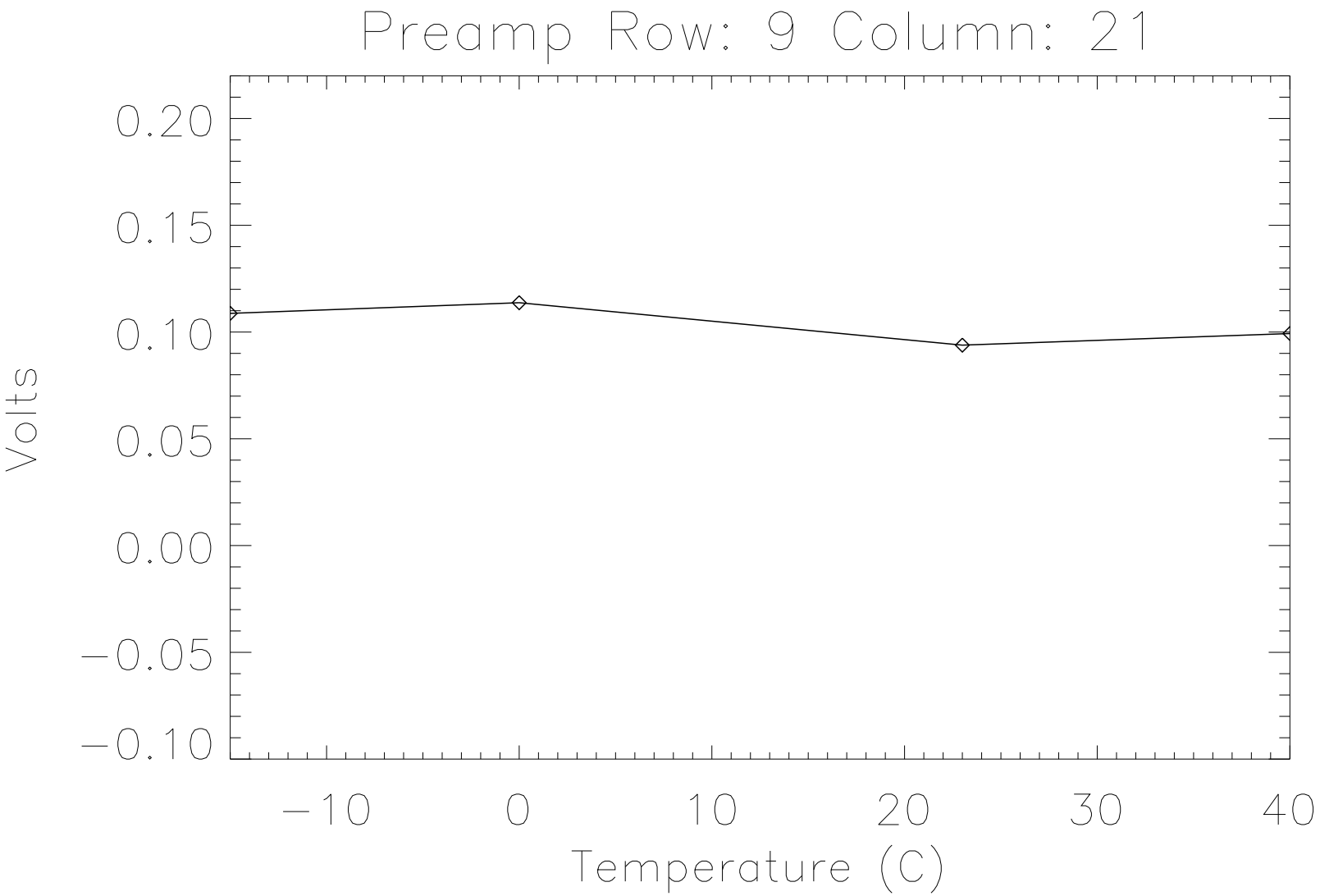

Shaper Row: 9 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

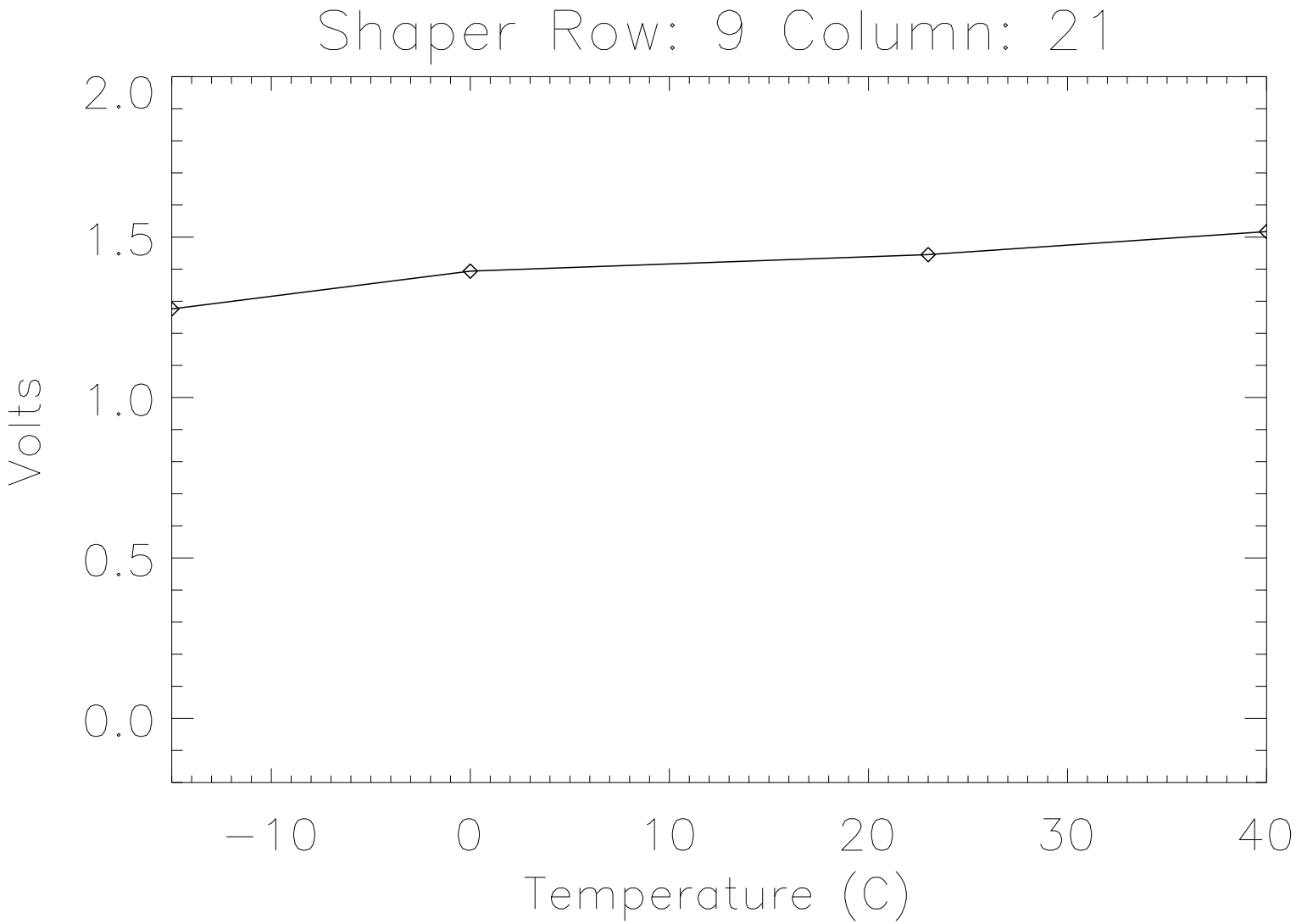

Leakage Row: 9 Column: 20
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

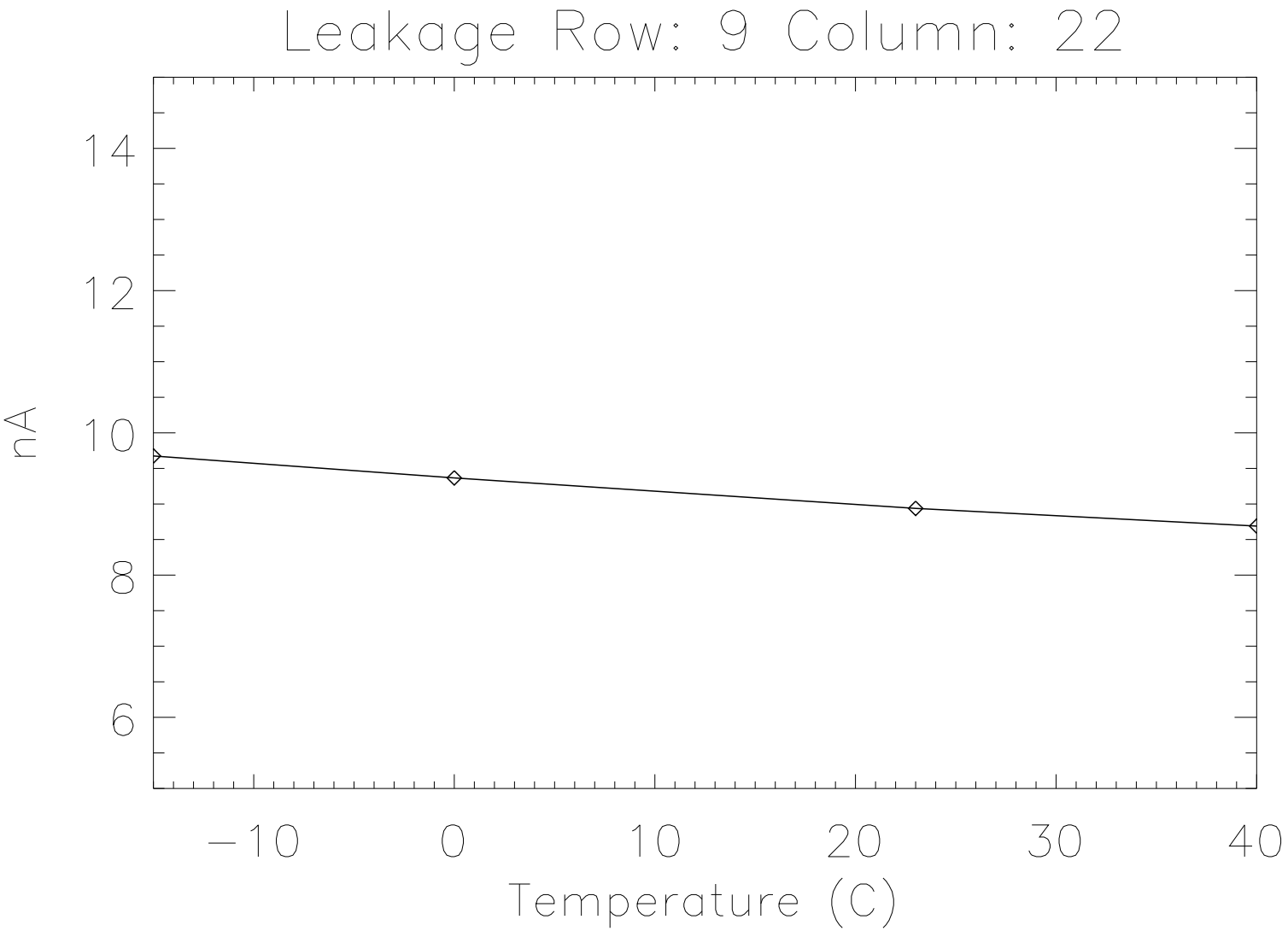

Preamp Row: 9 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

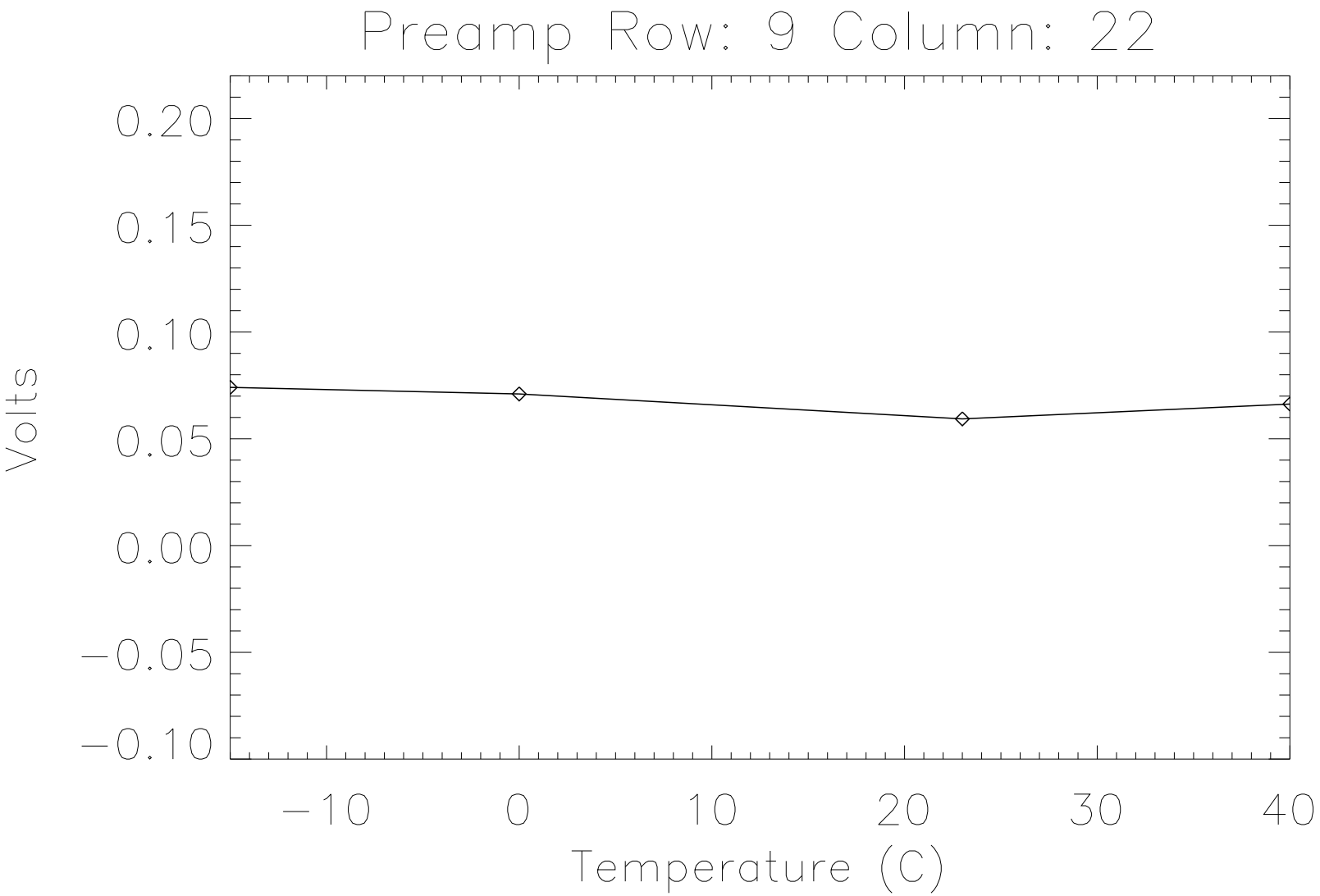

Shaper Row: 9 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

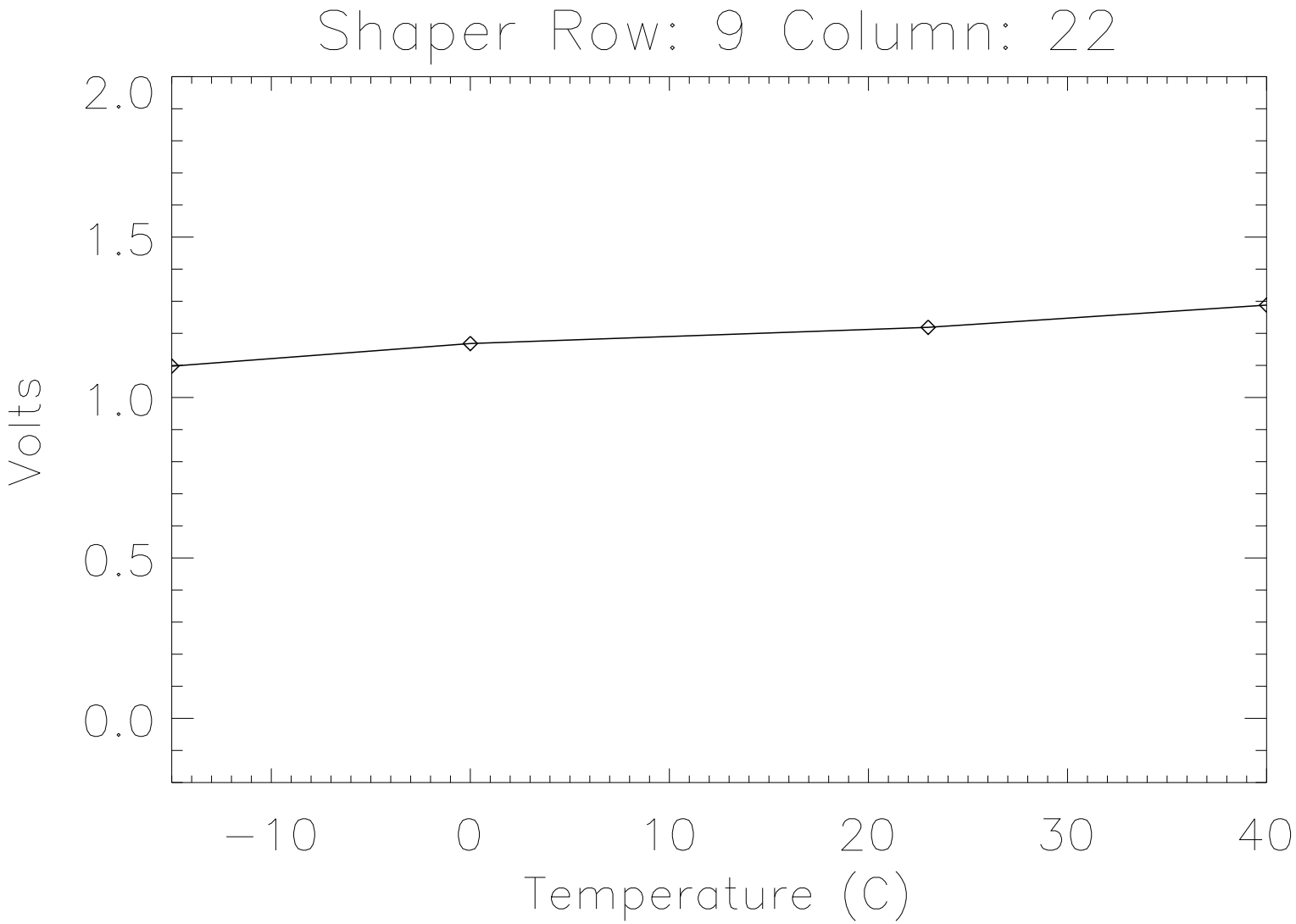

Leakage Row: 9 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

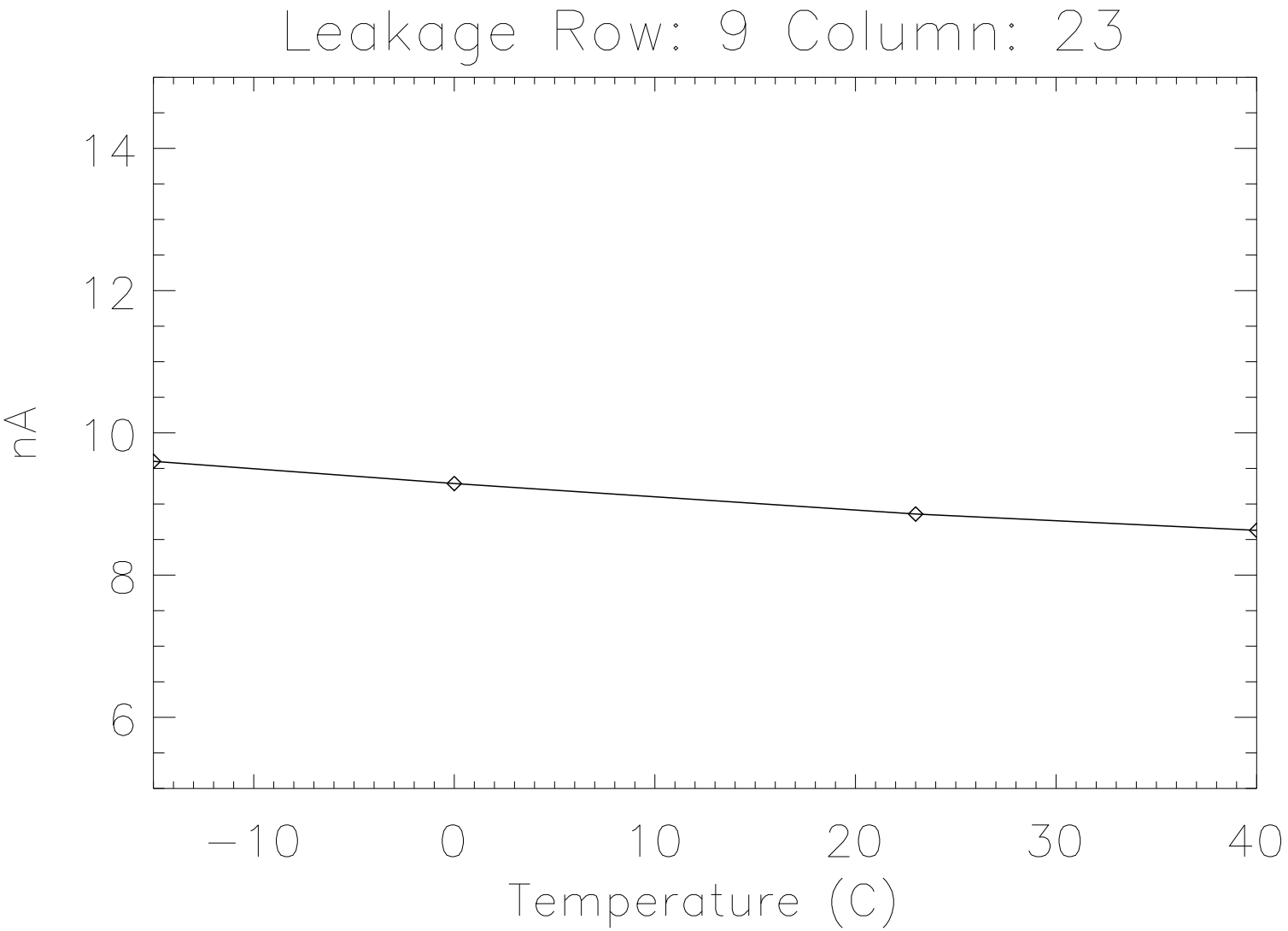

Preamp Row: 9 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

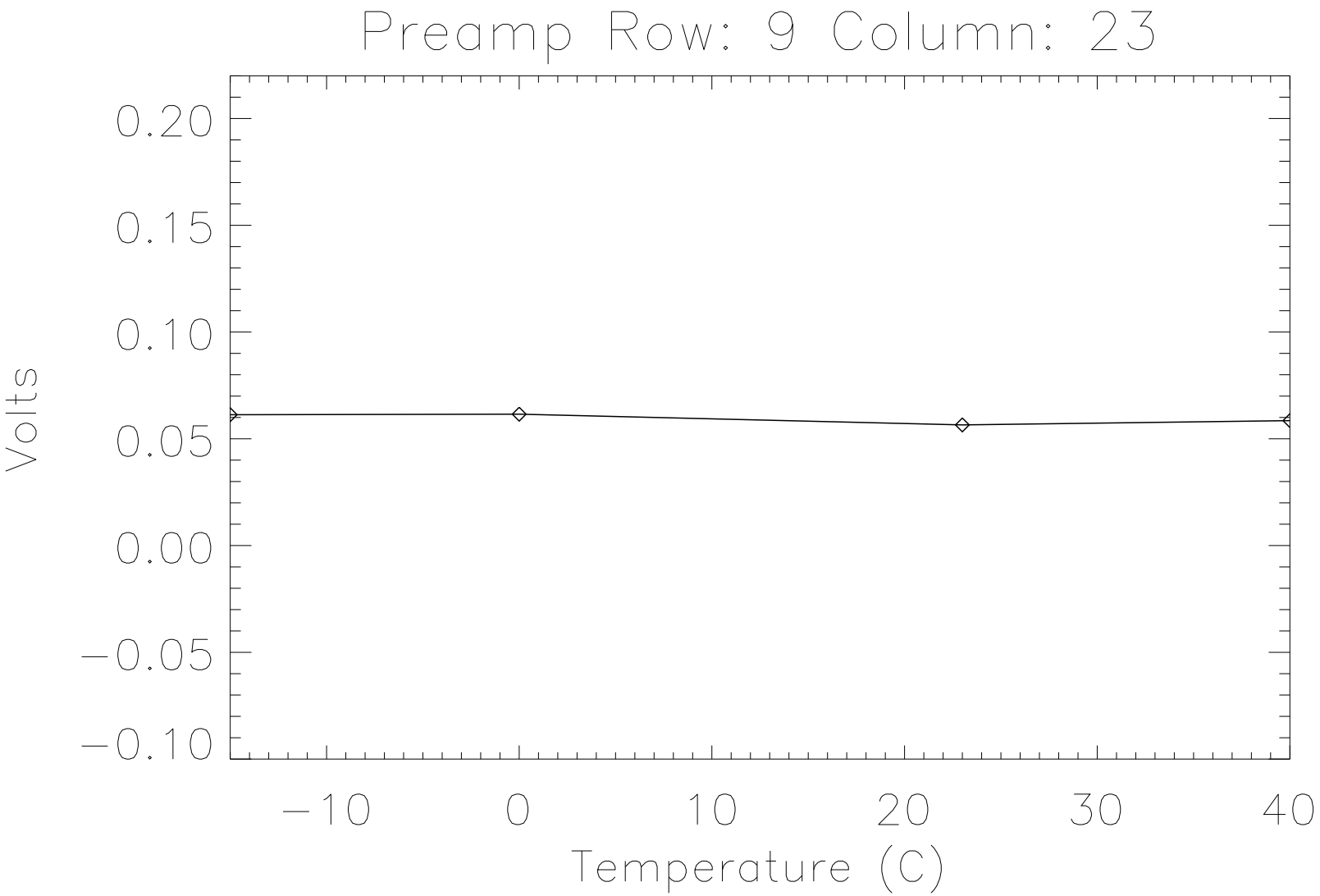

Shaper Row: 9 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

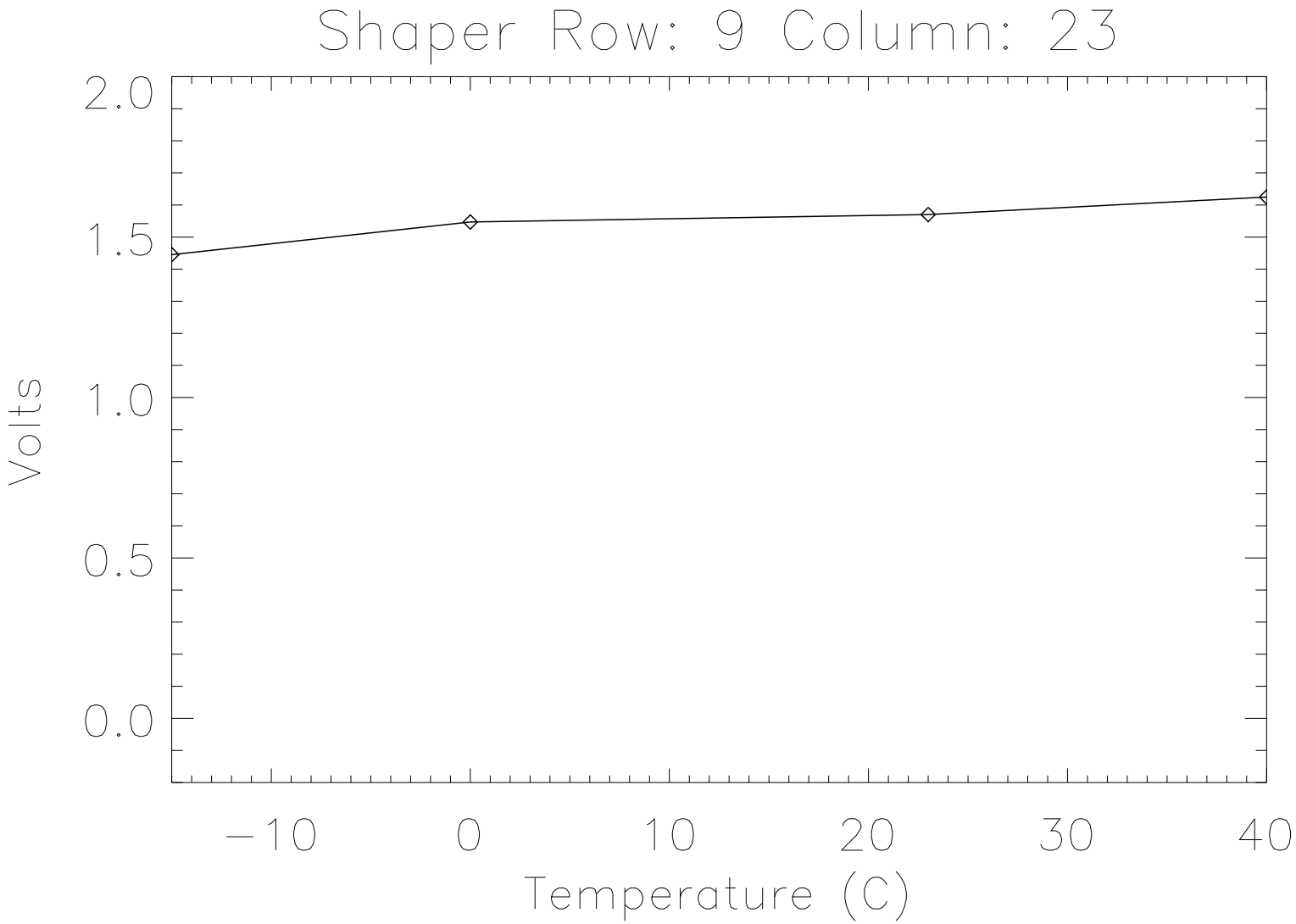

Leakage Row: 9 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

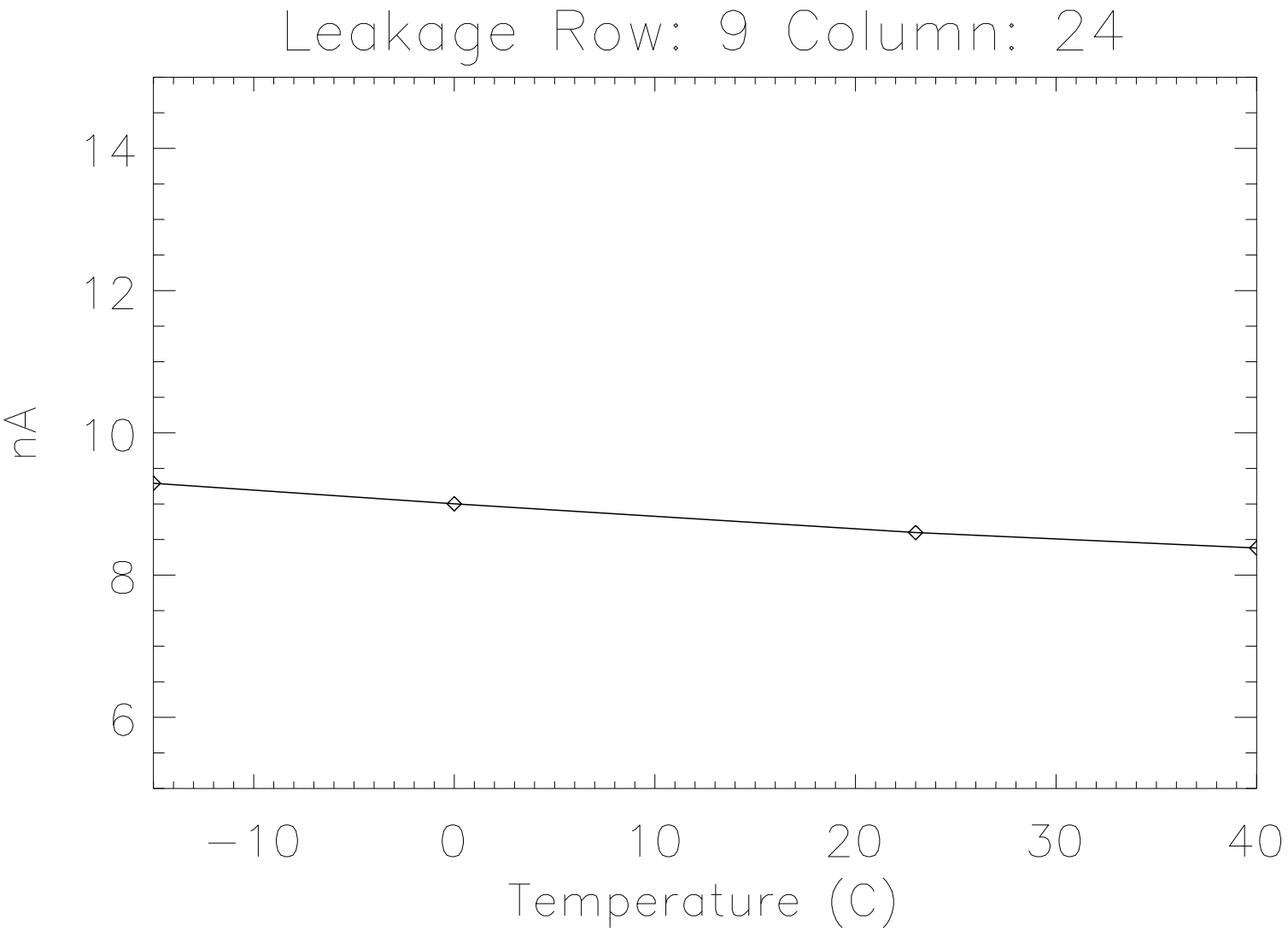

Preamp Row: 9 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

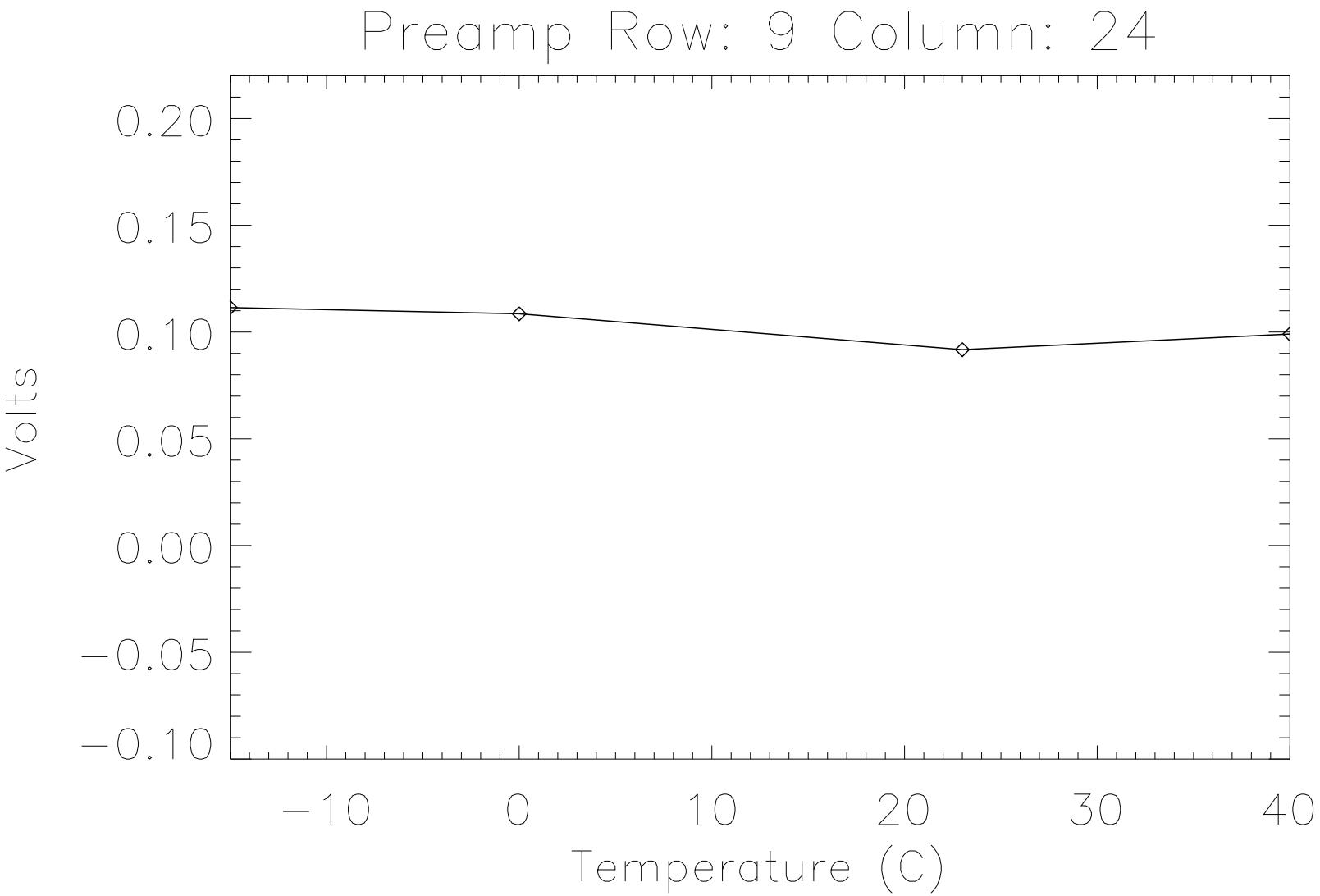

Shaper Row: 9 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

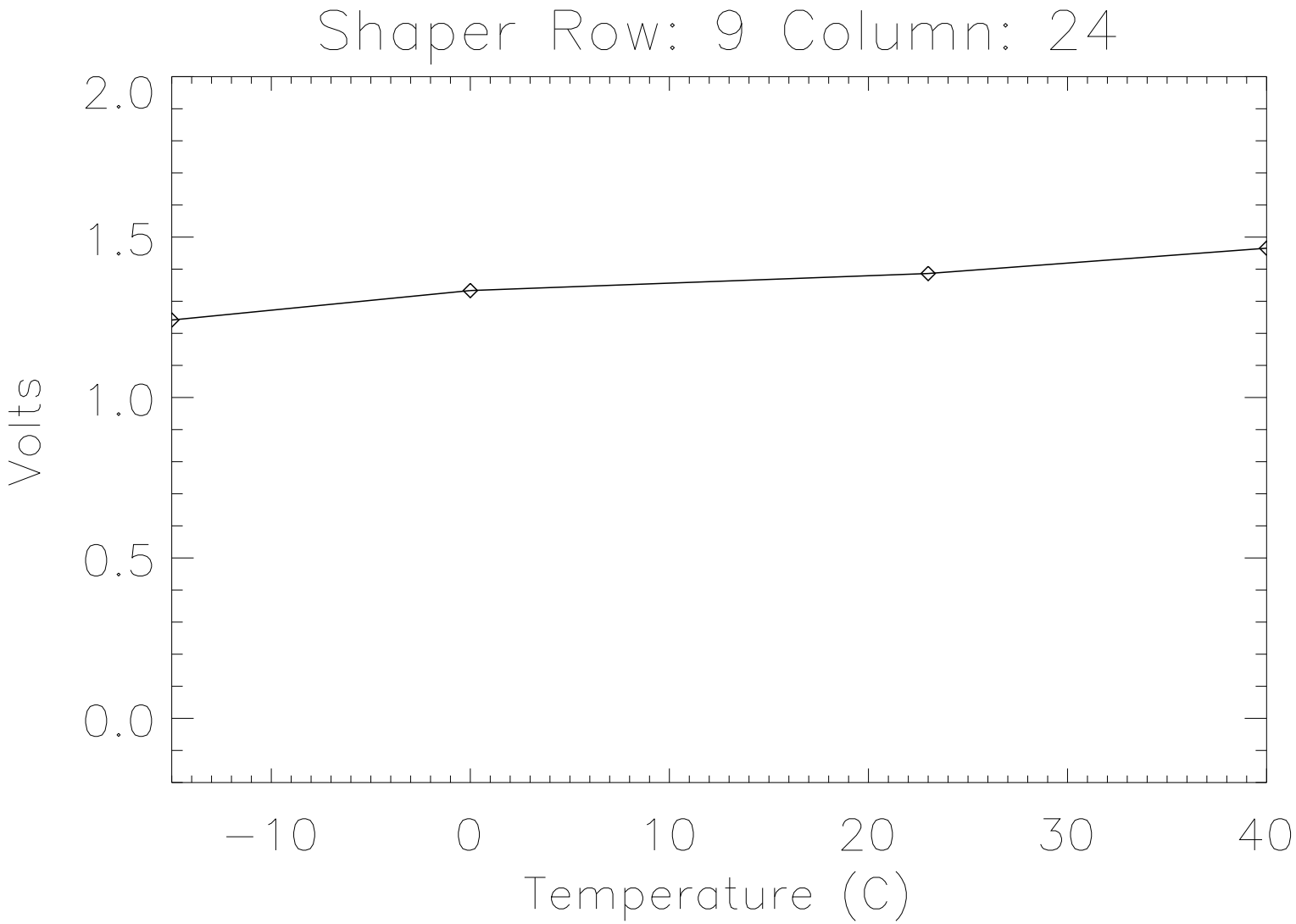

Leakage Row: 9 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 9 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 9 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 9 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 9 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 9 Column: 24
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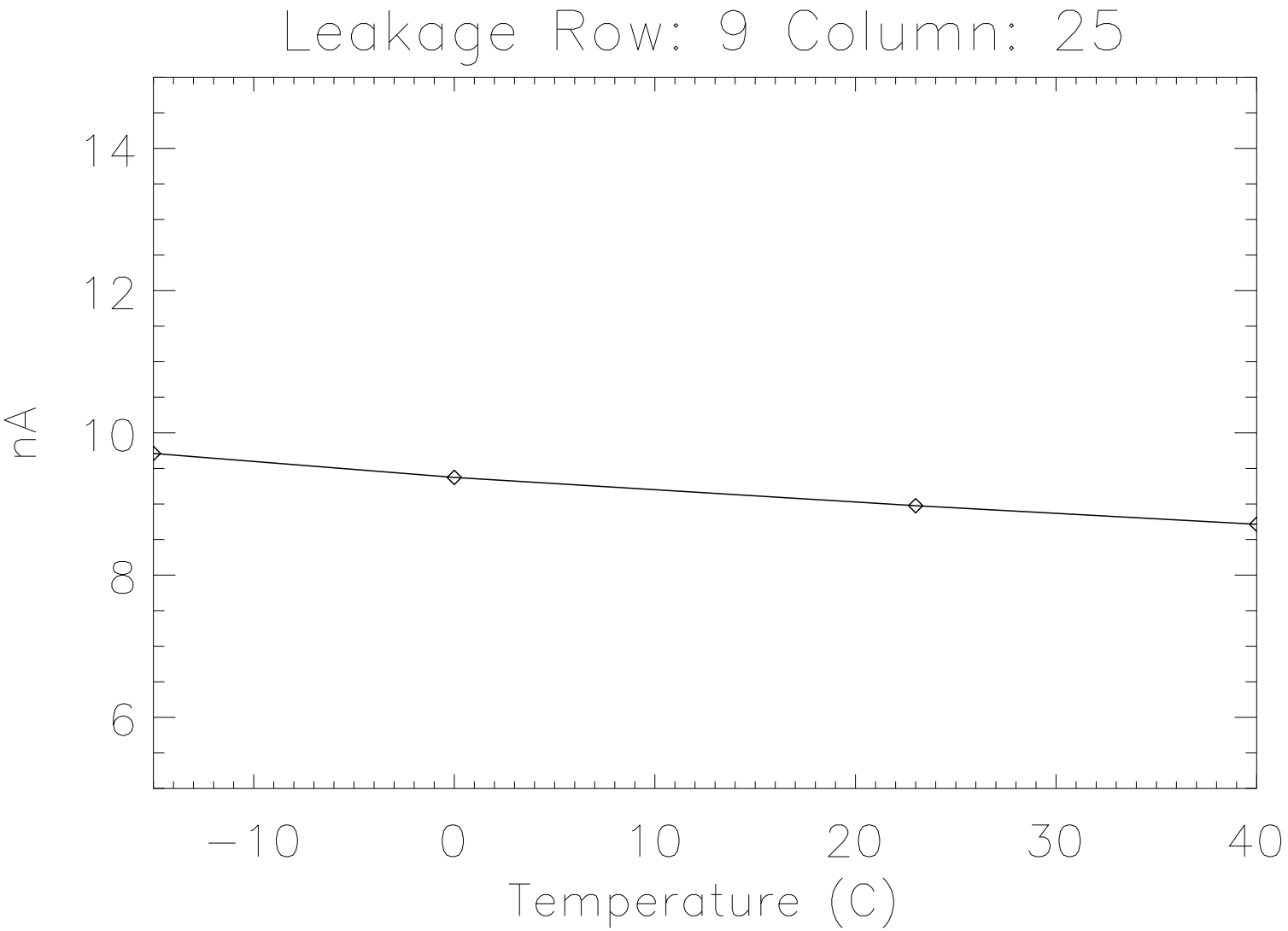
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 9 Column: 25
nA
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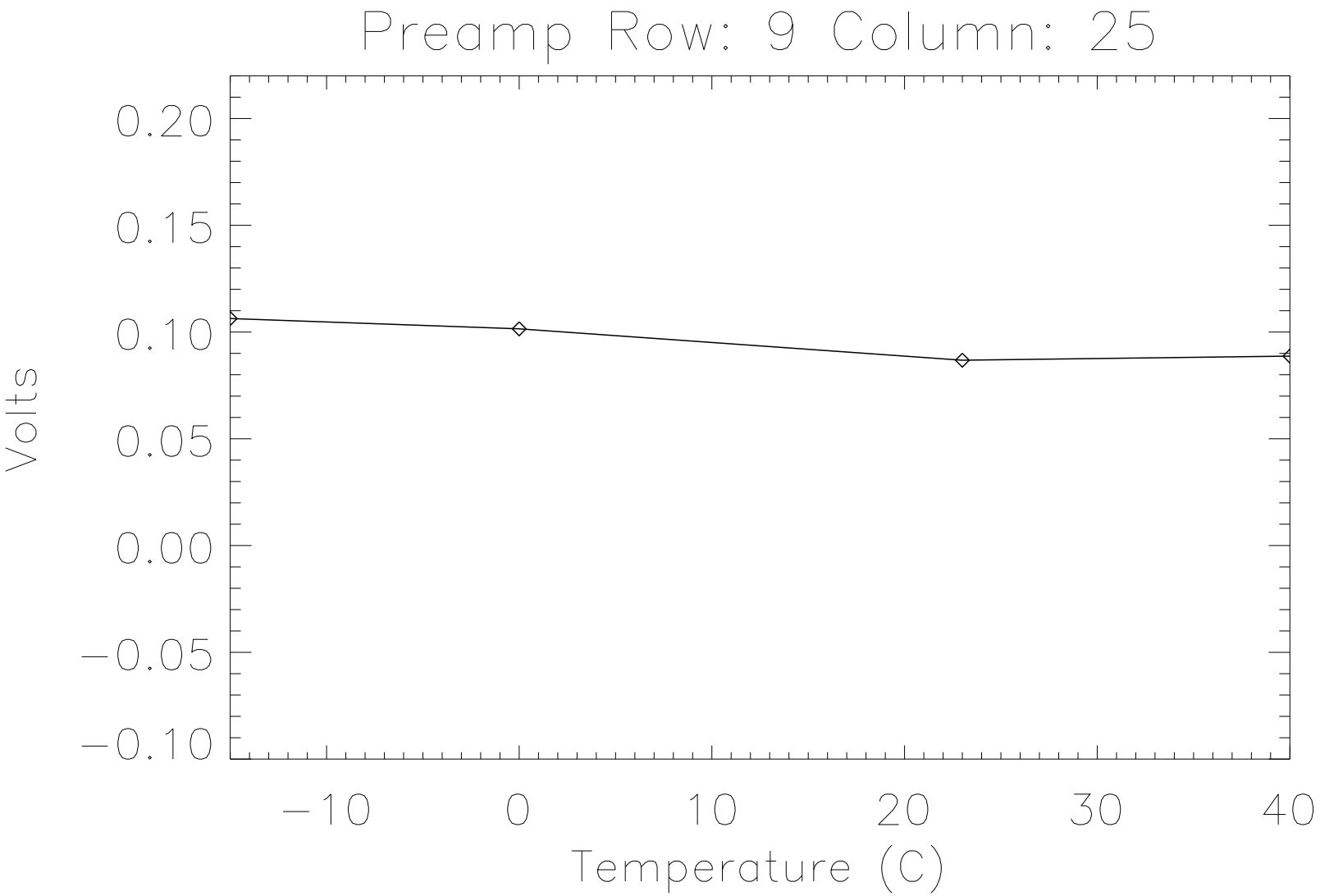
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 9 Column: 25
Volts
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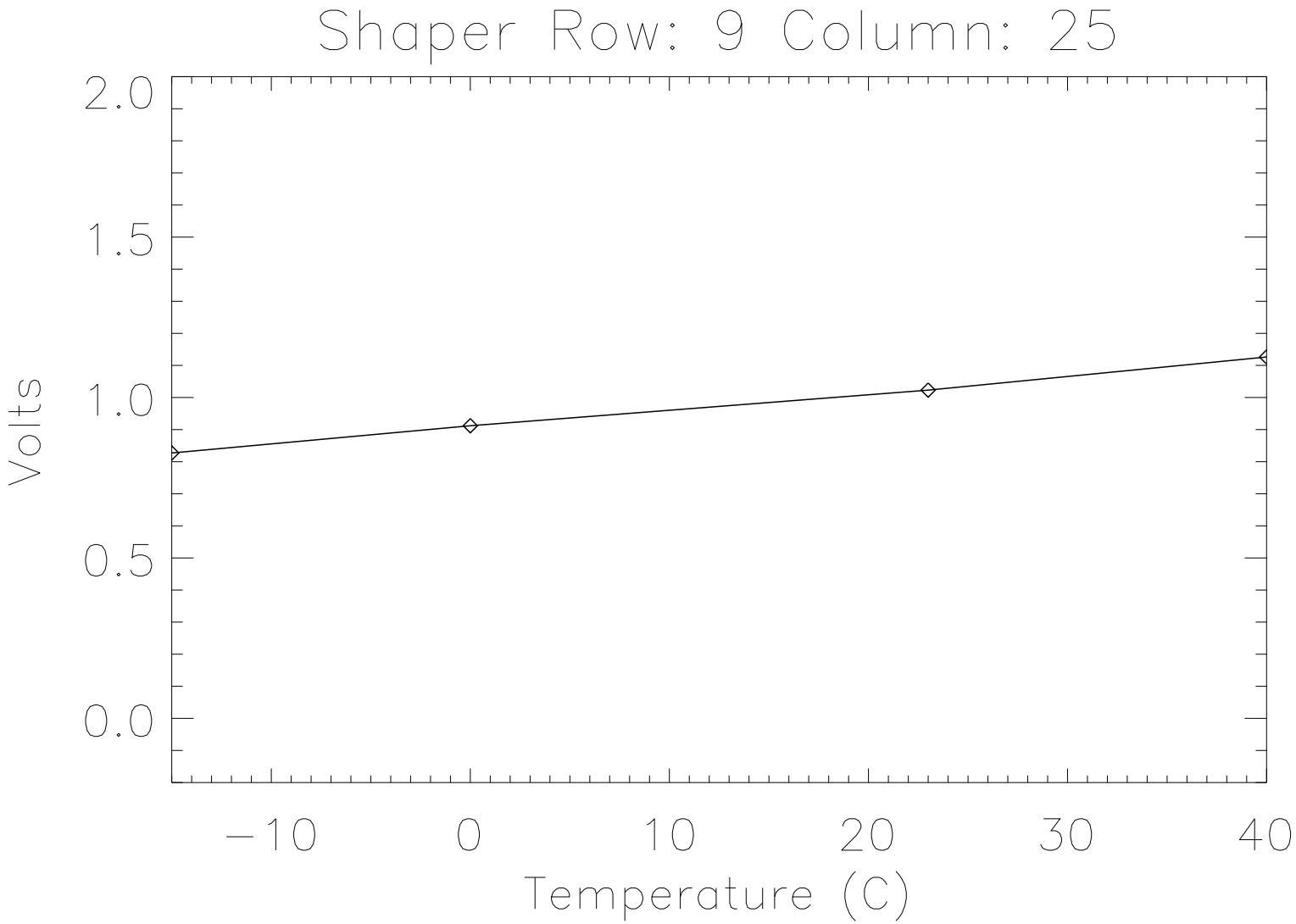
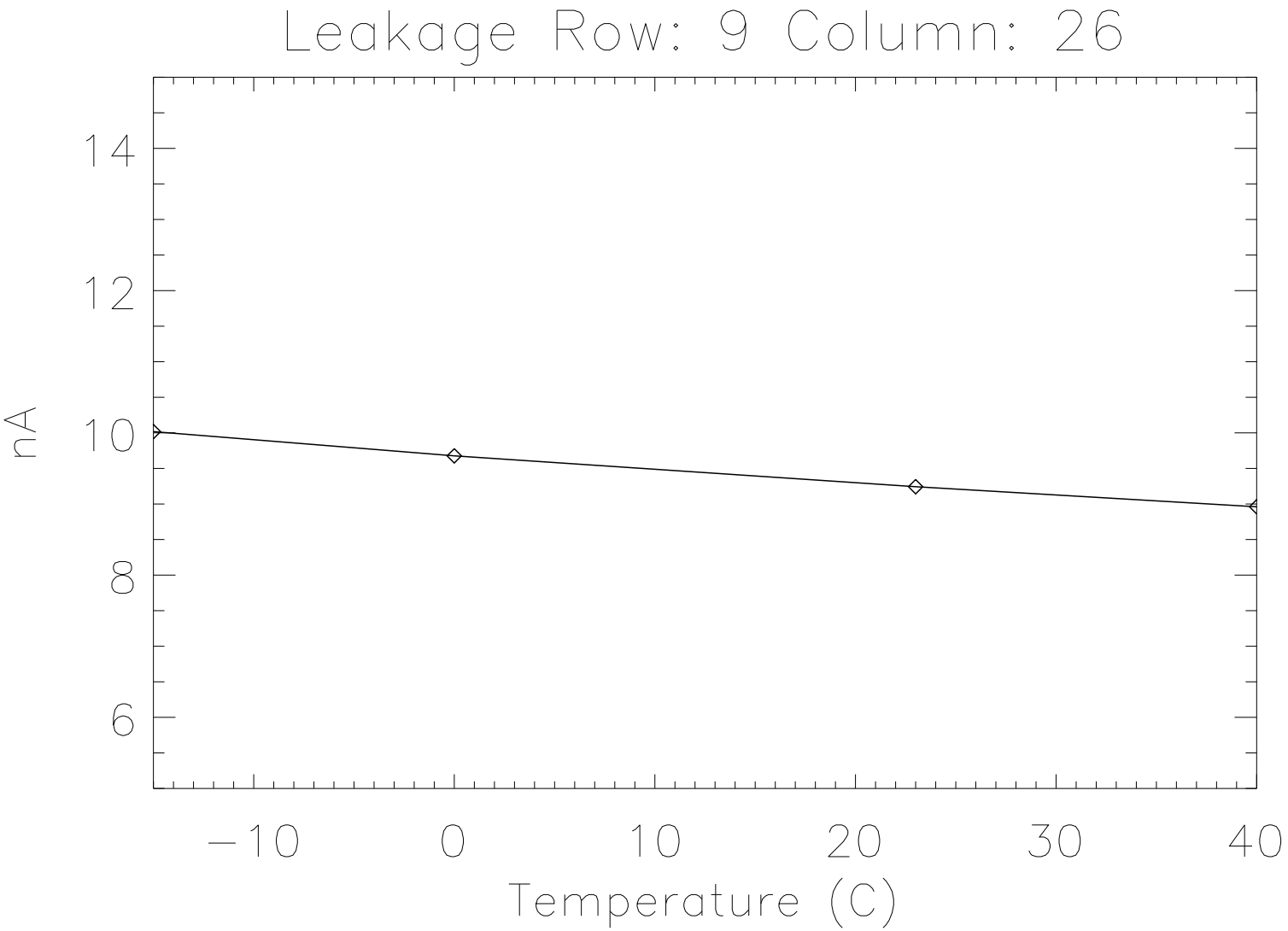
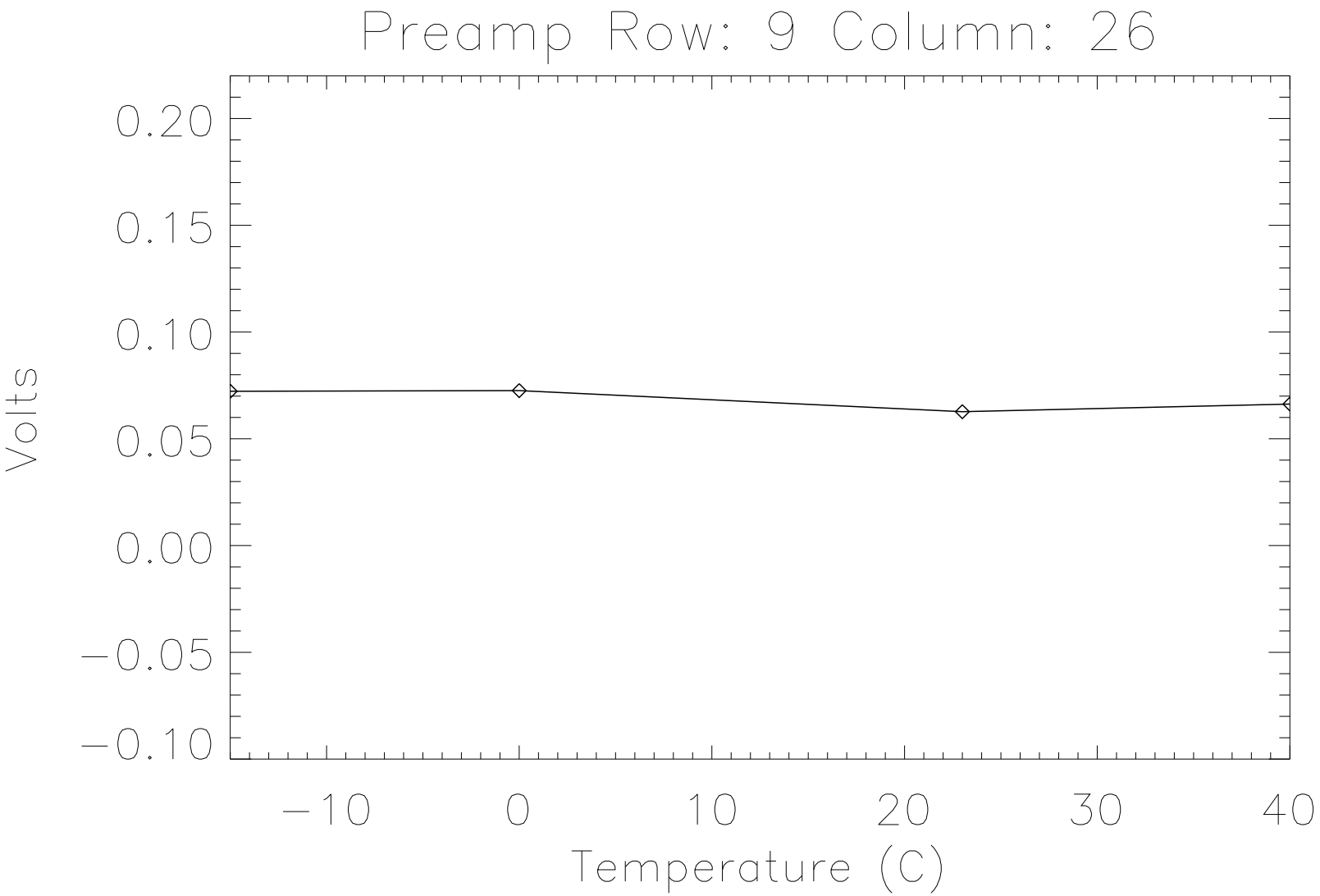
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 9 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 9 Column: 26
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 9 Column: 26
0.20
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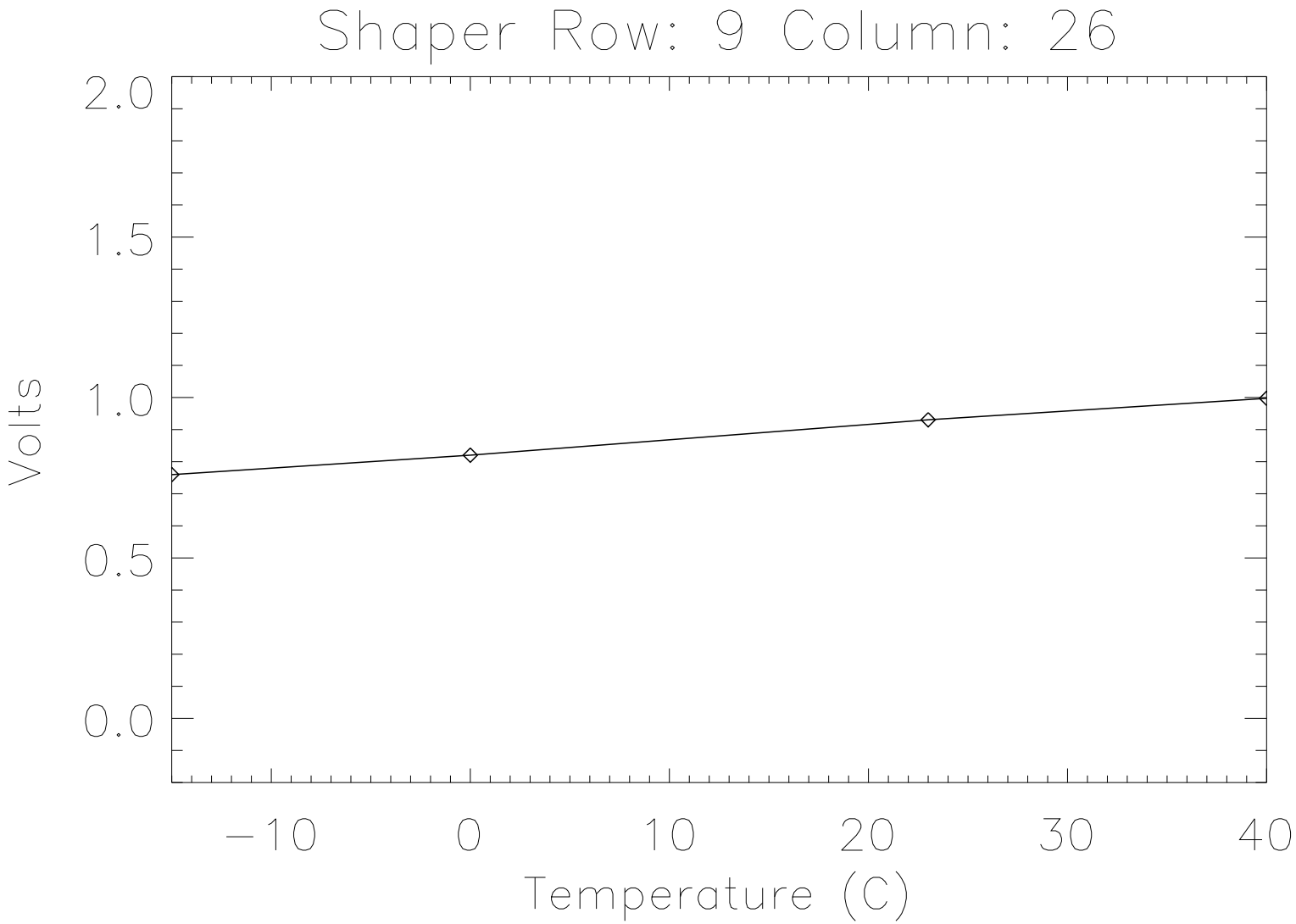
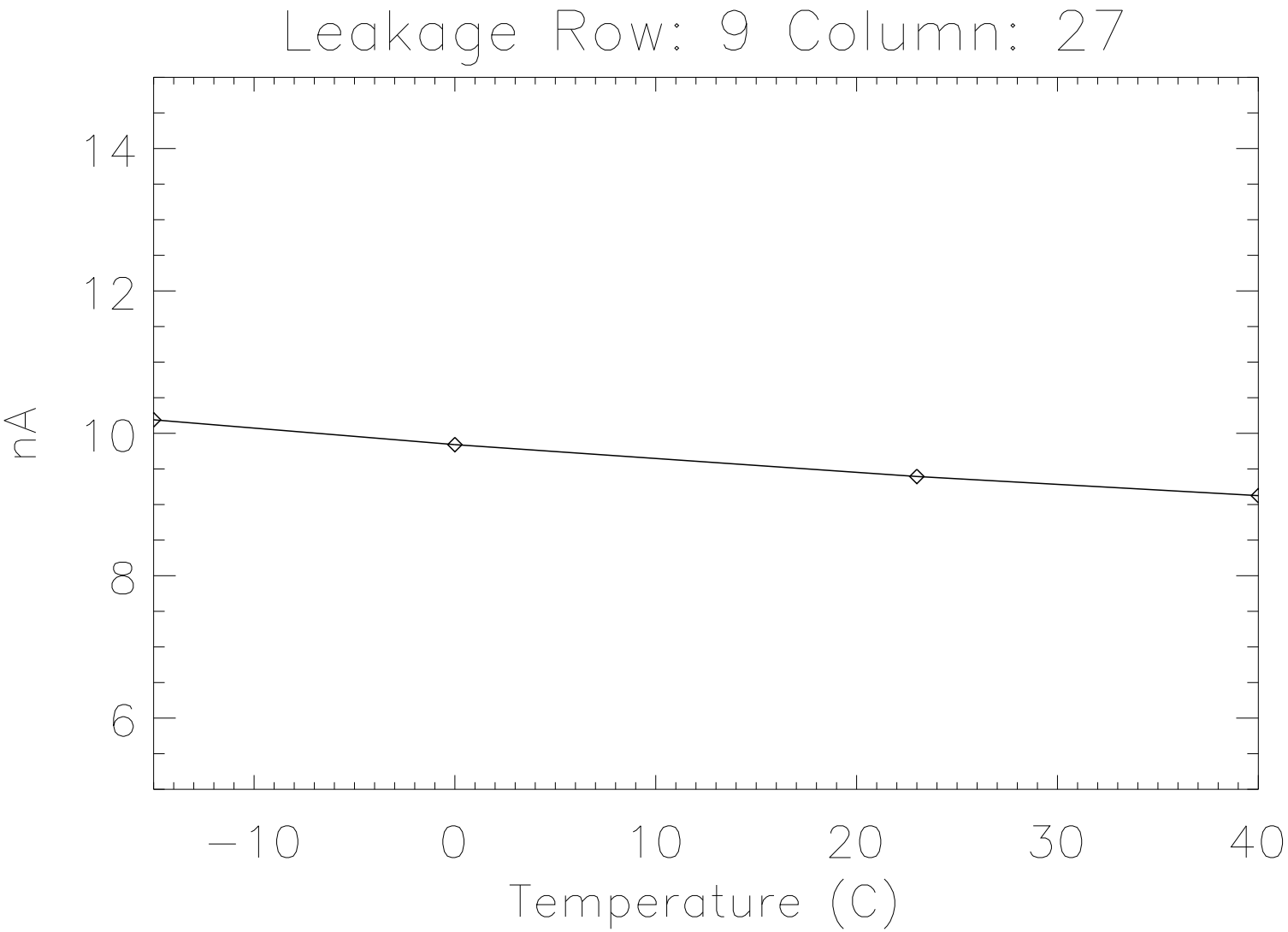
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 9 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 9 Column: 27
nA
14
12
10
8
6
−10
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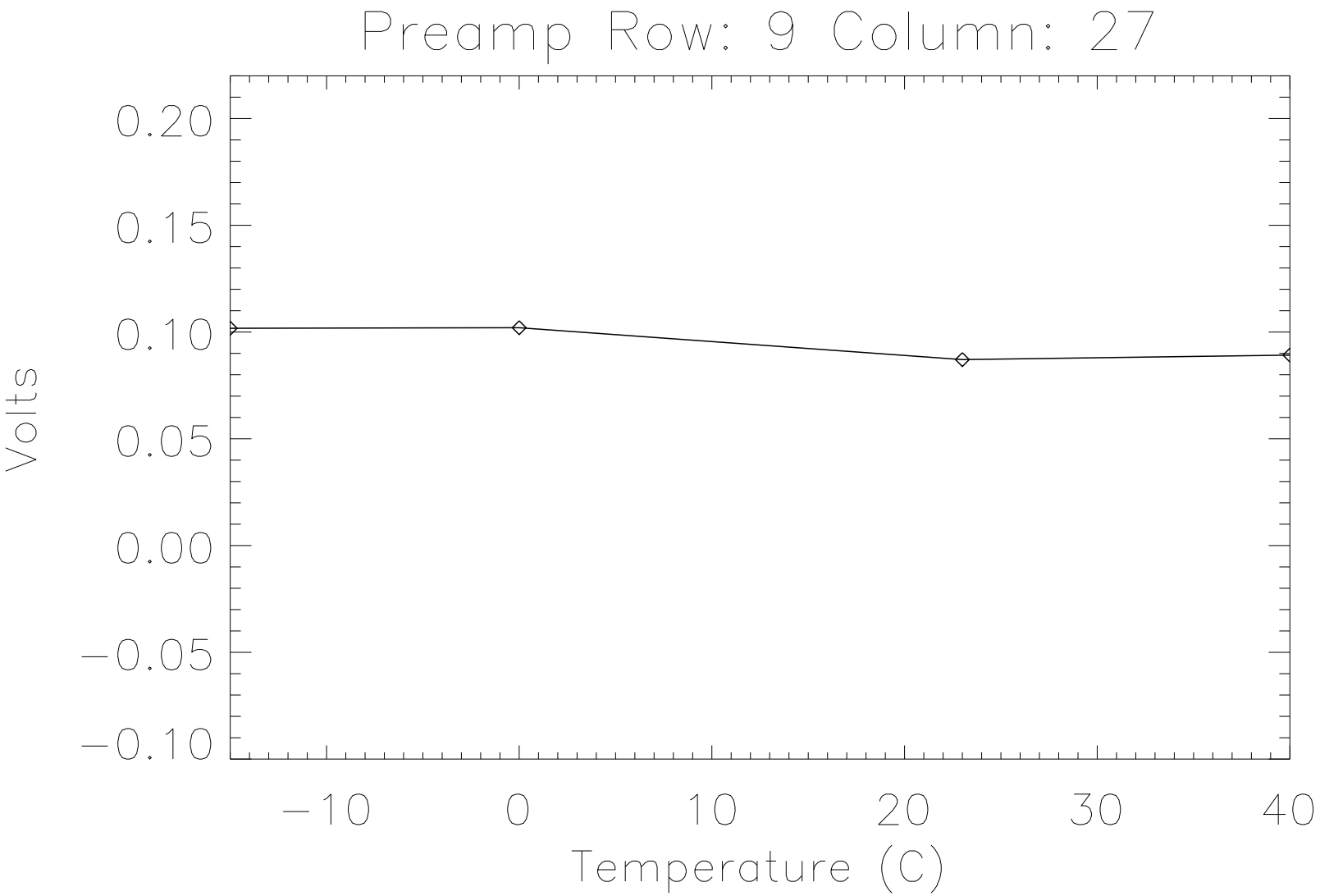
10
20
30
40
Temperature (C)


Preamp Row: 9 Column: 27
0.20
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0.10
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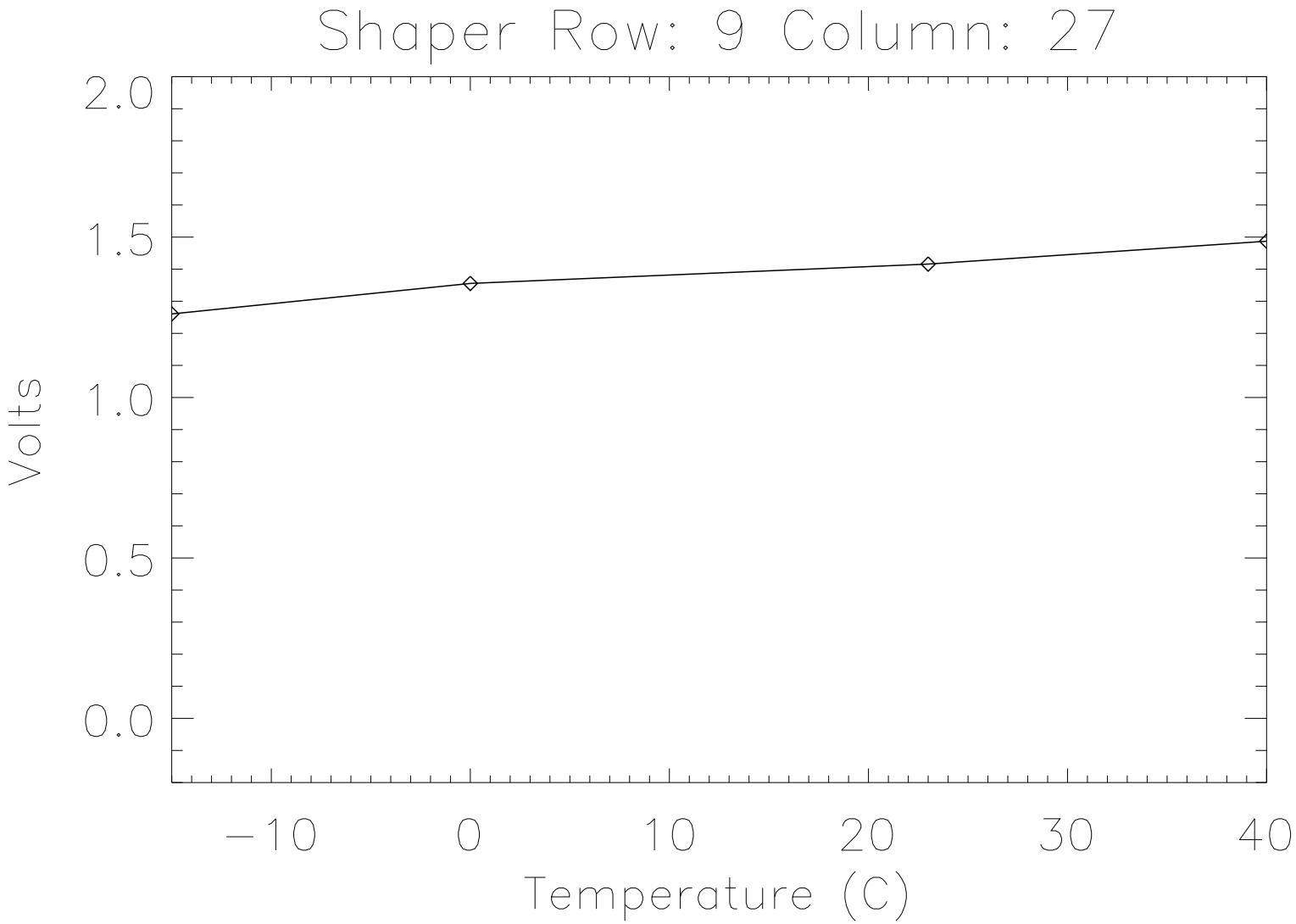
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 9 Column: 27
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1.5
1.0
0.5
0.0
Volts
−10
0
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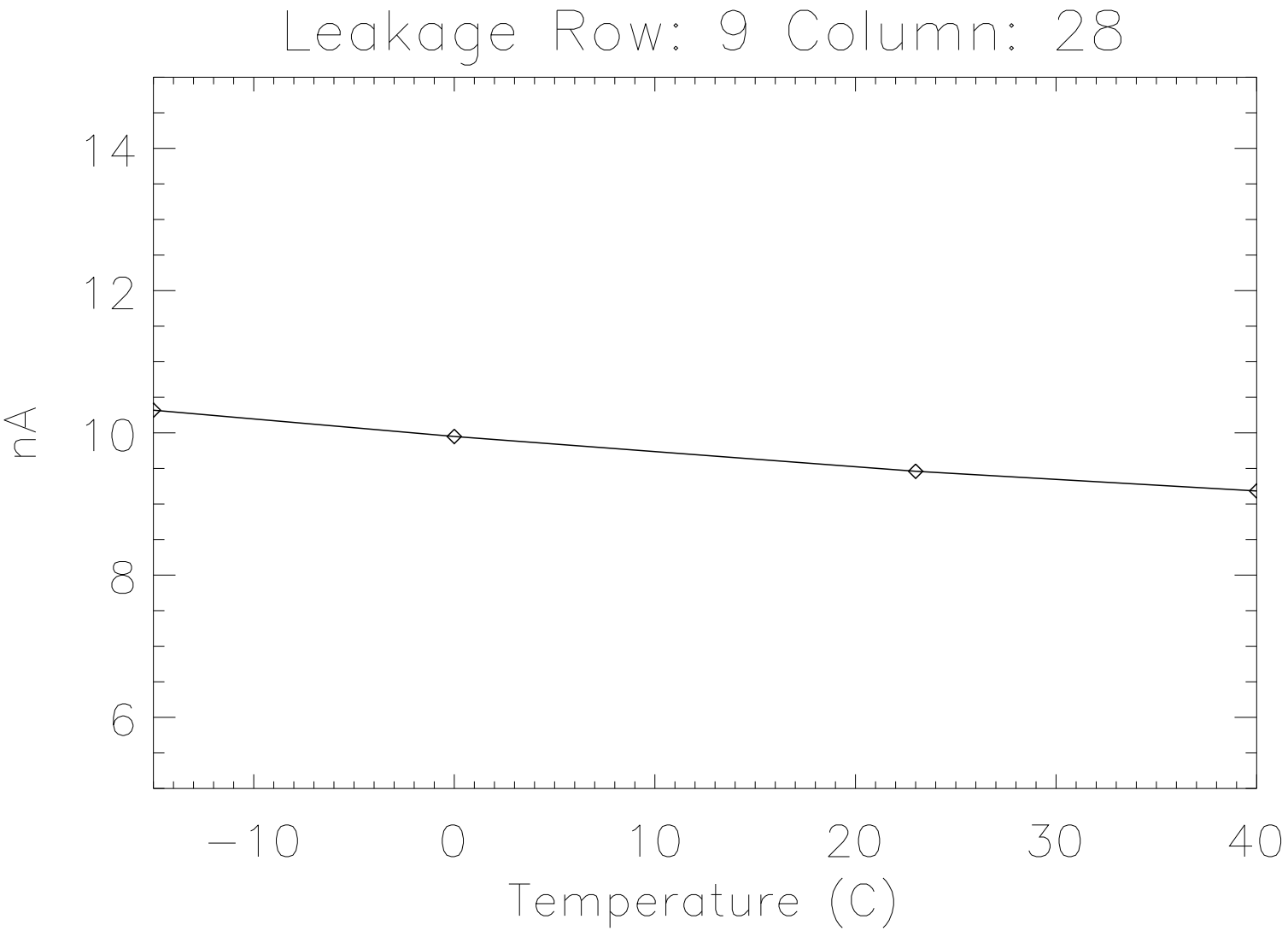
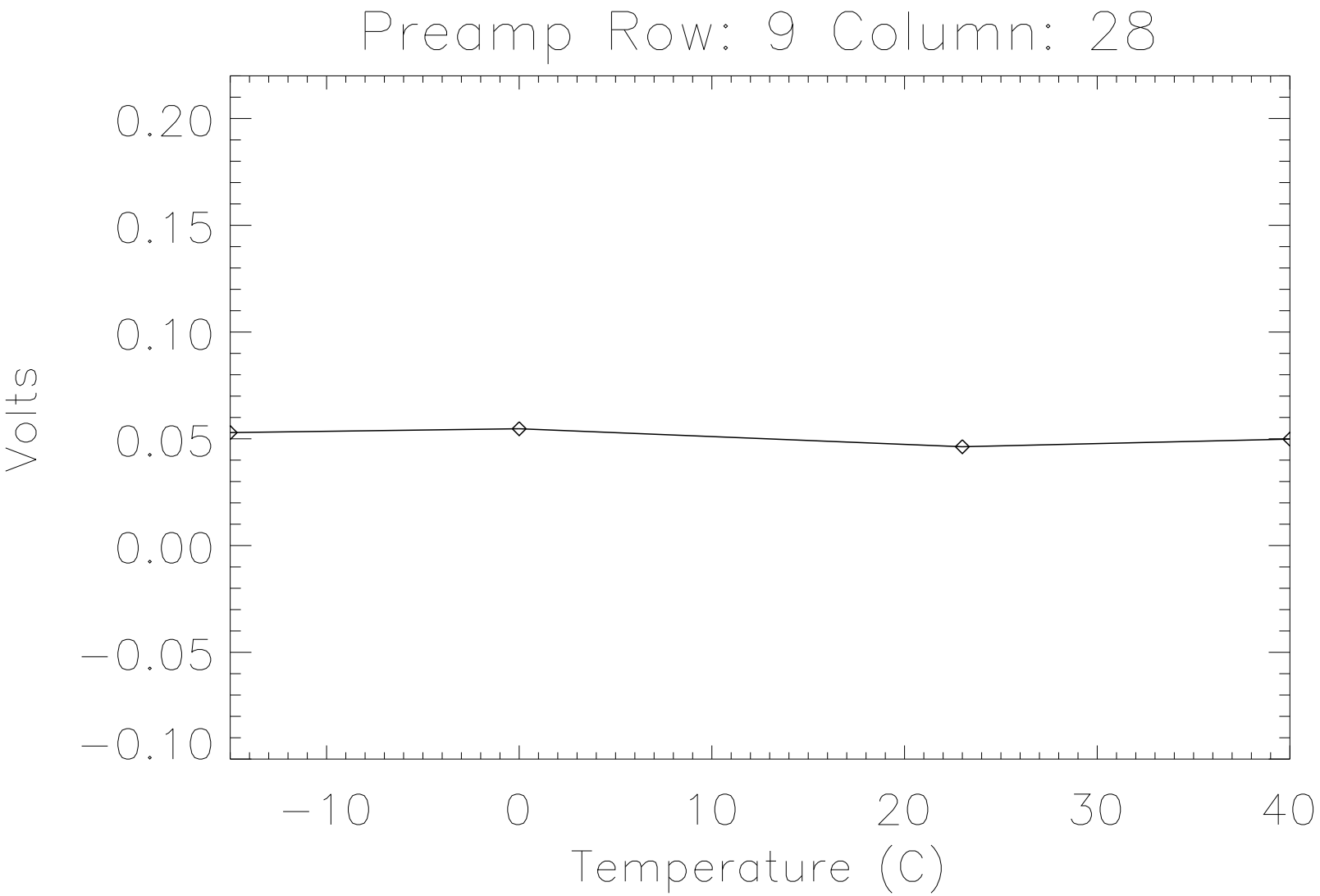
20
30
40
Temperature (C)


Leakage Row: 9 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 9 Column: 28
Volts
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0.15
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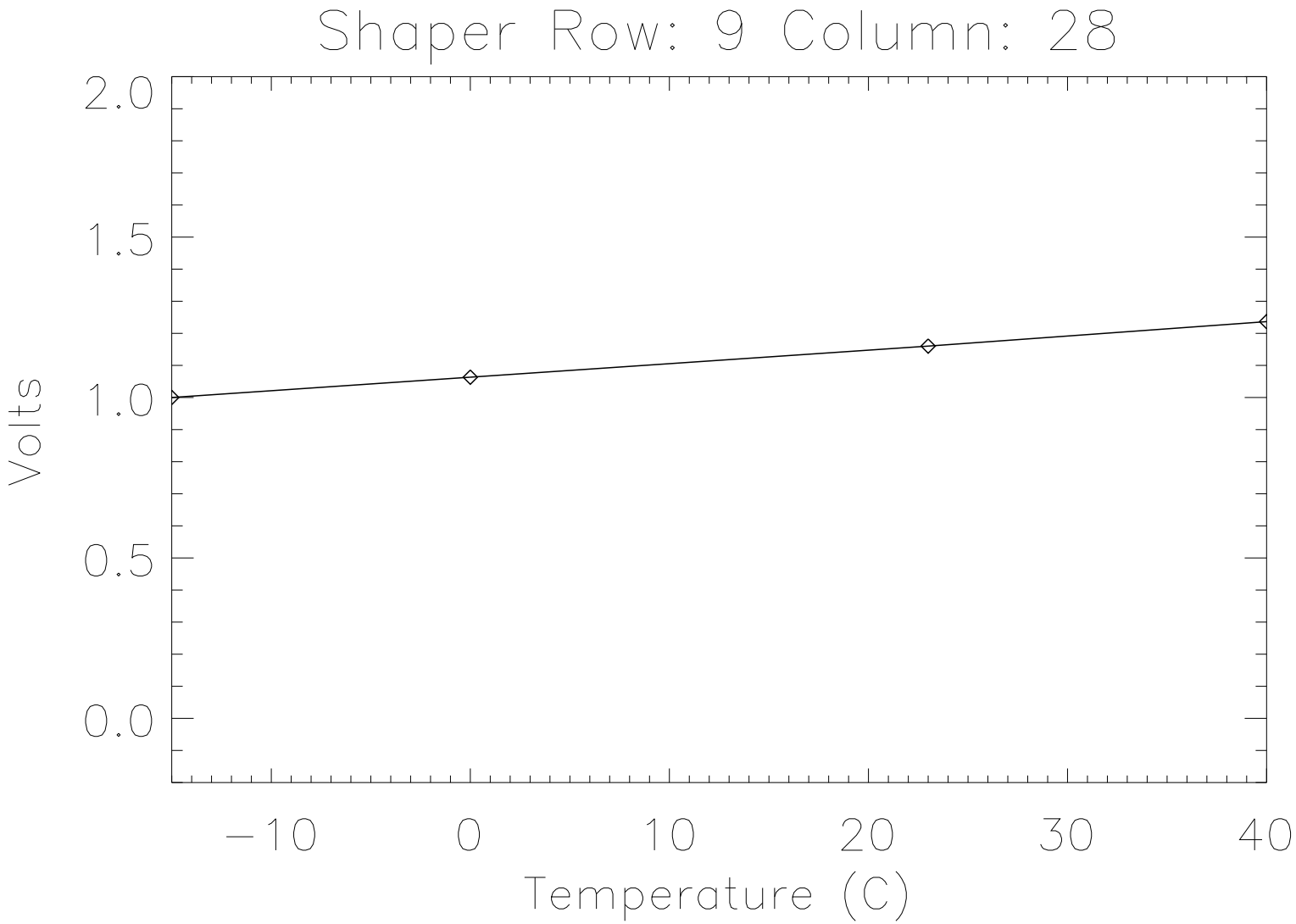
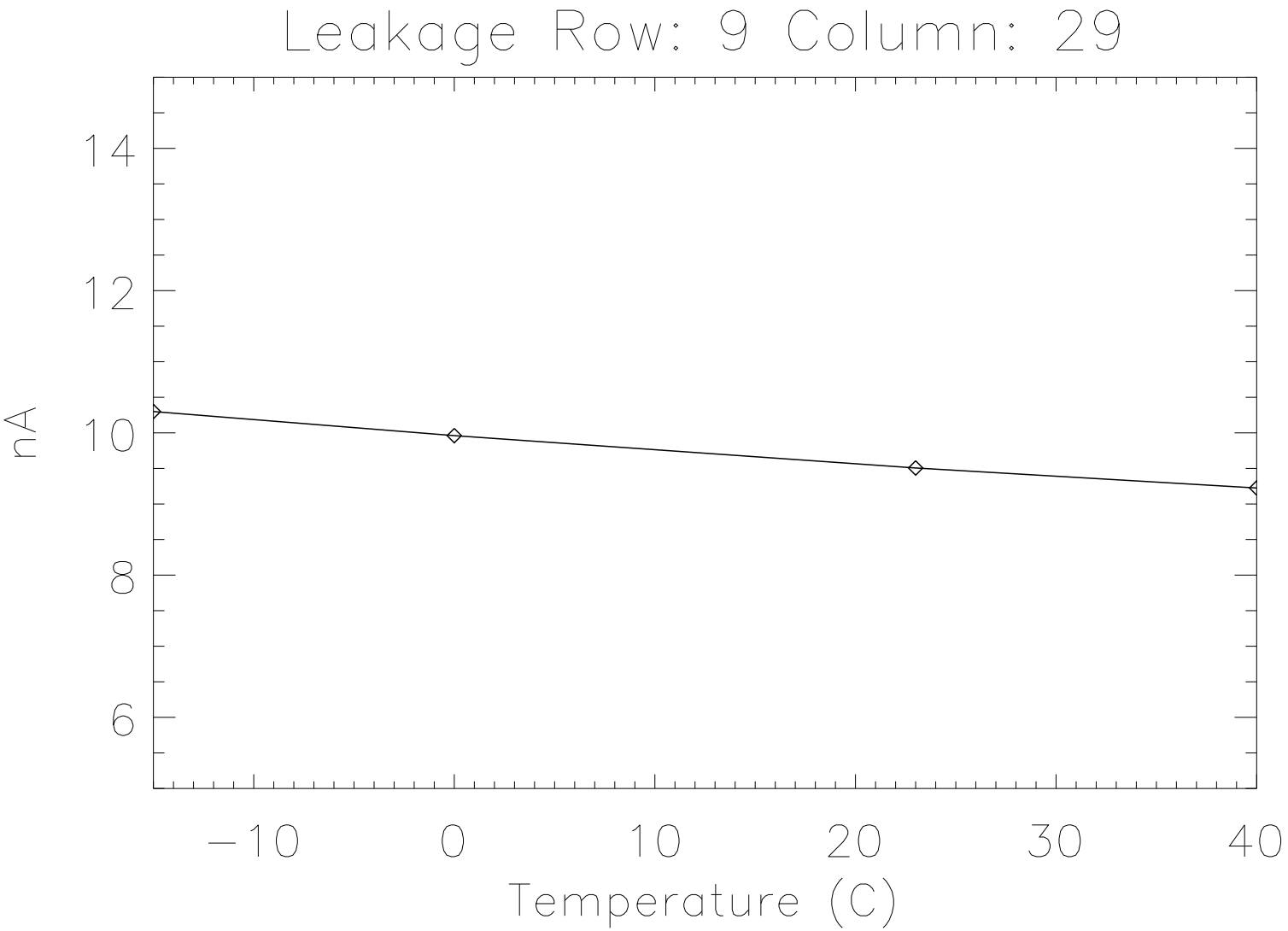
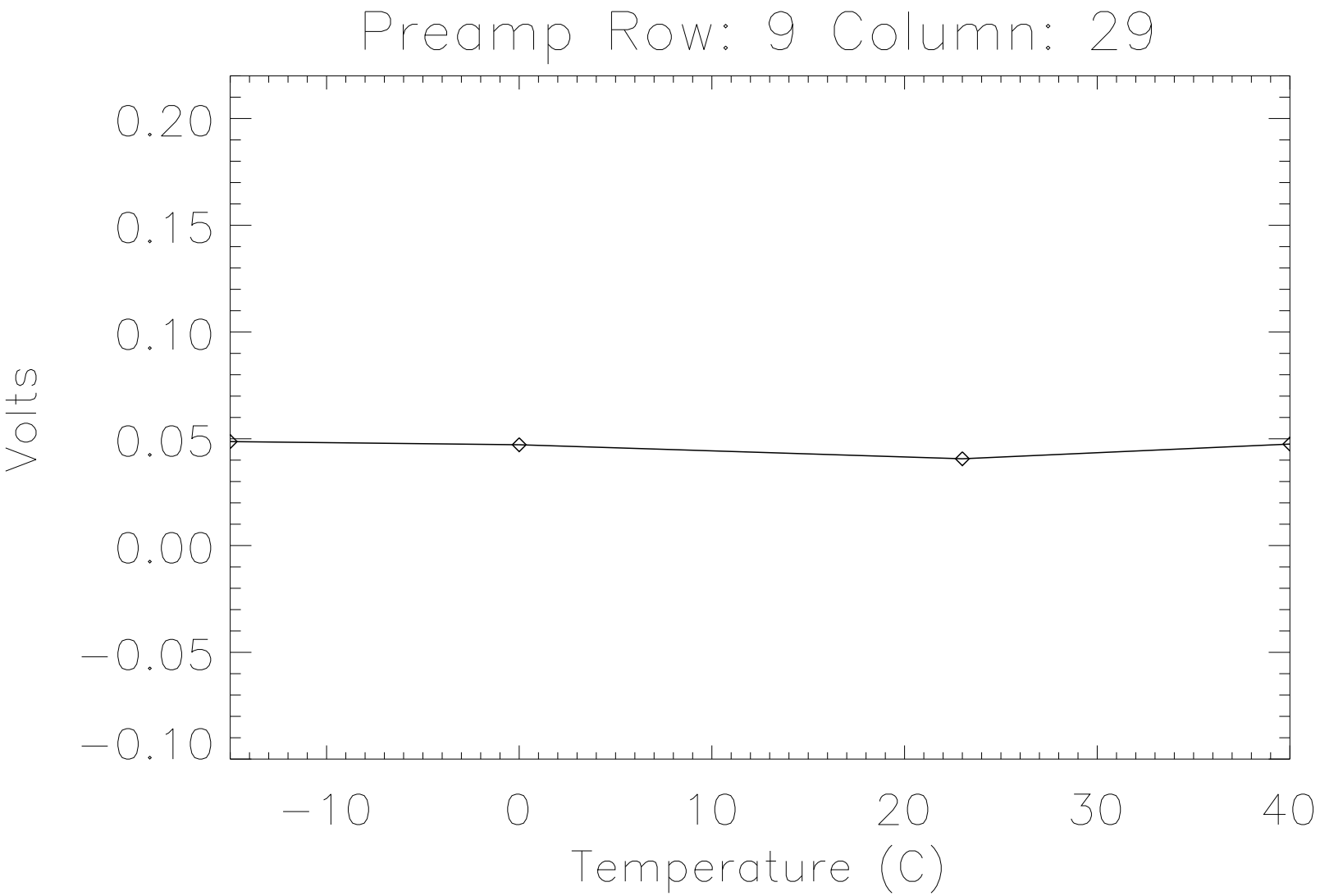
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 9 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 9 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 9 Column: 29
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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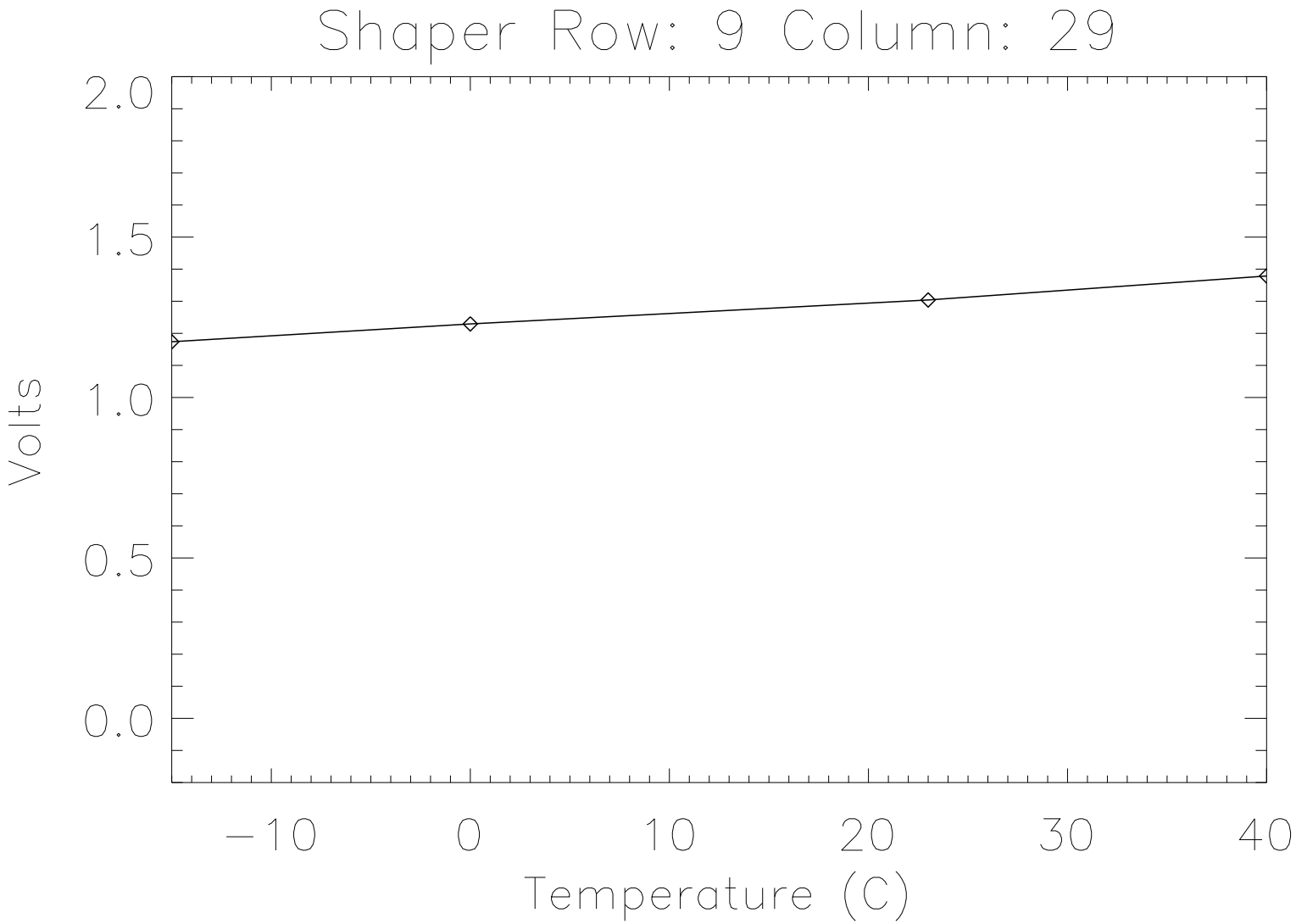
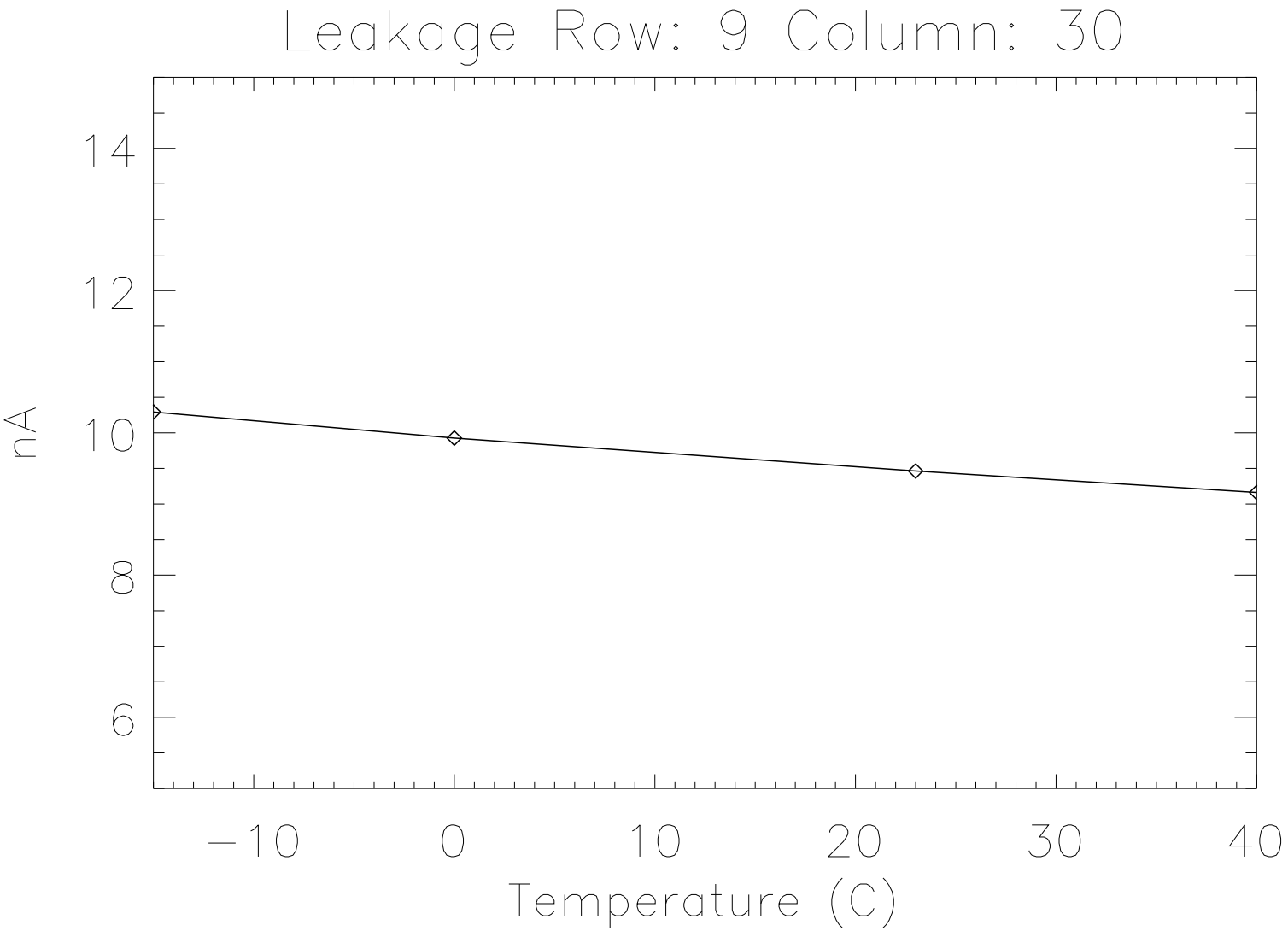
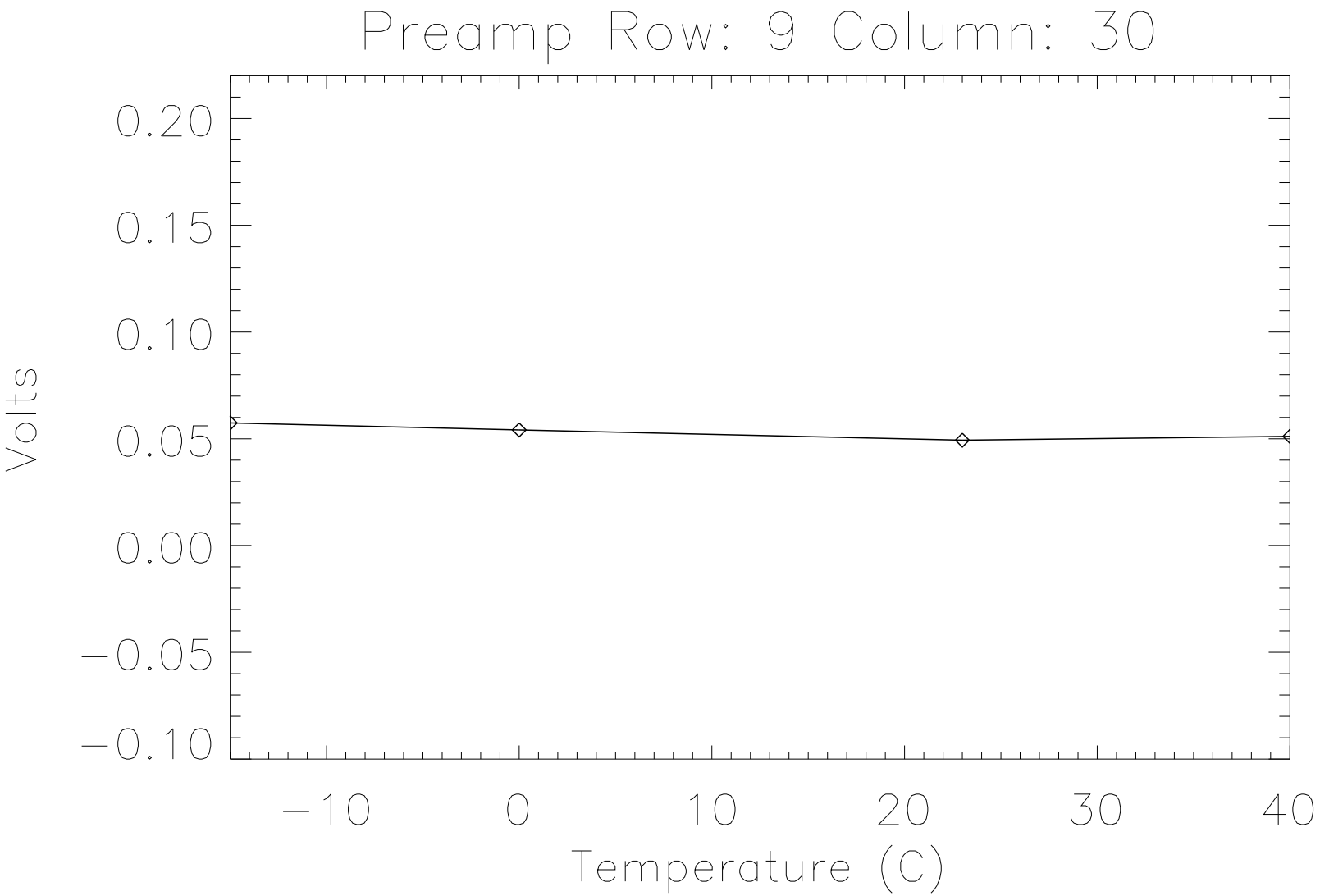
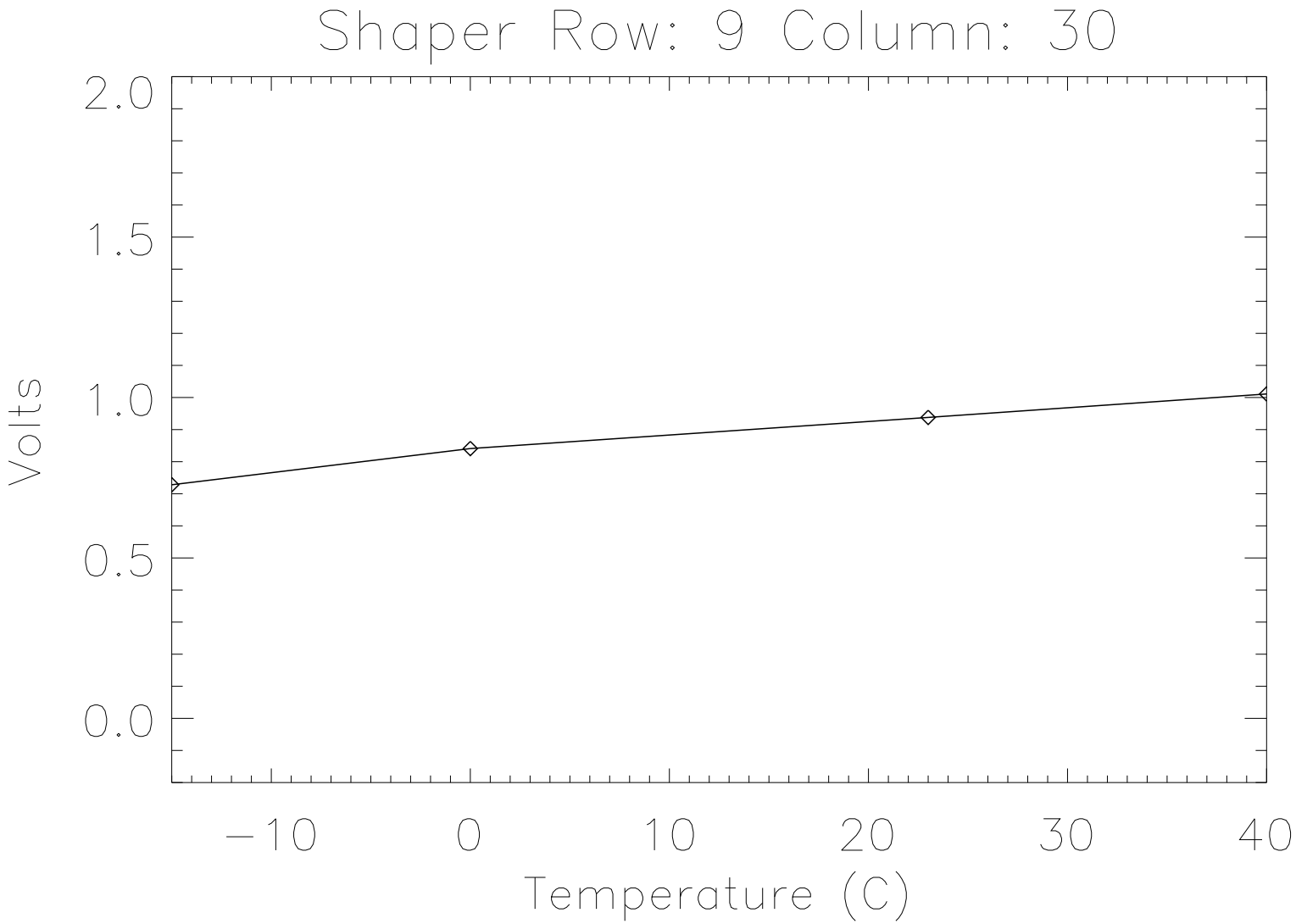
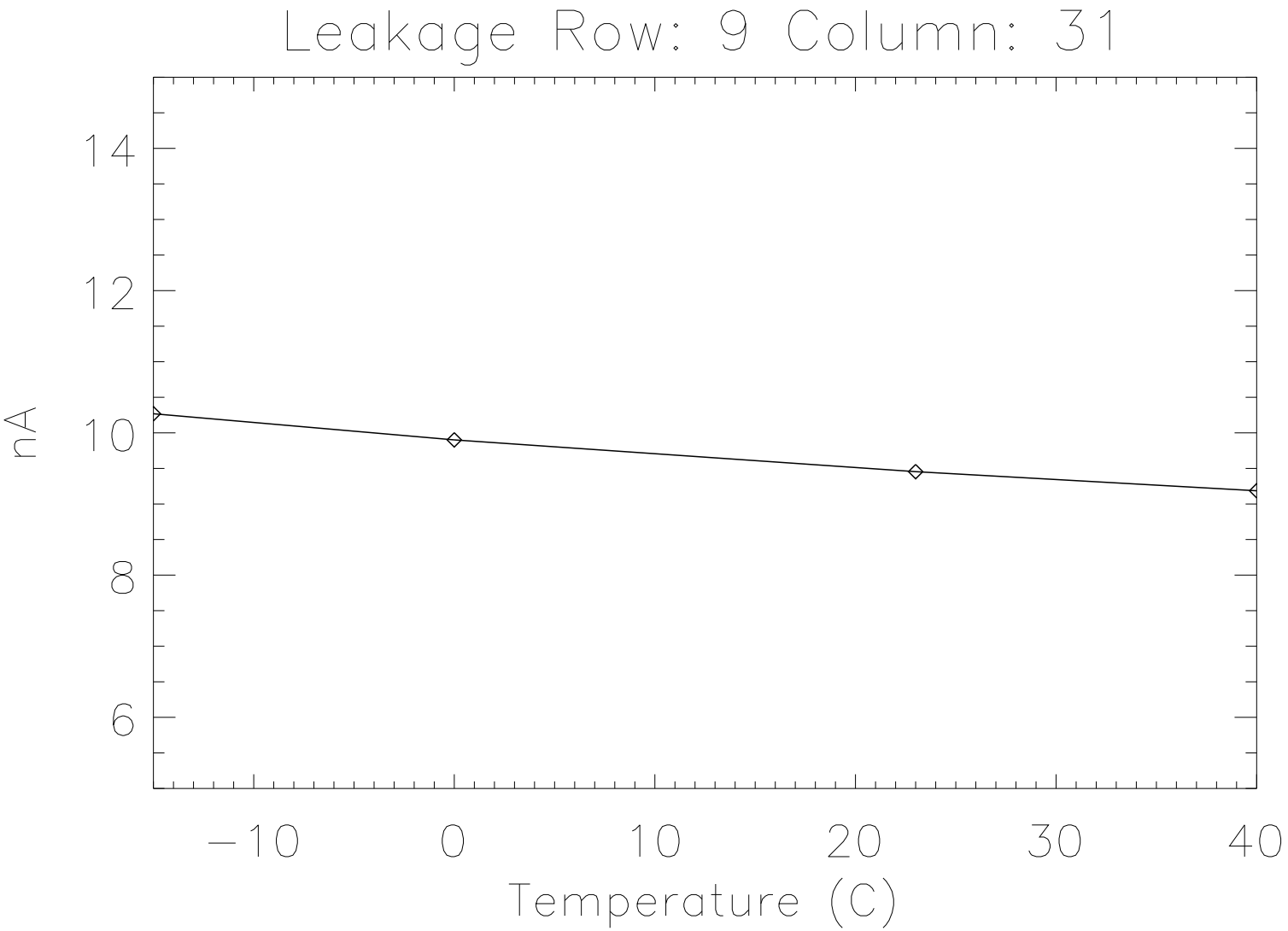
20
30
40
Temperature (C)

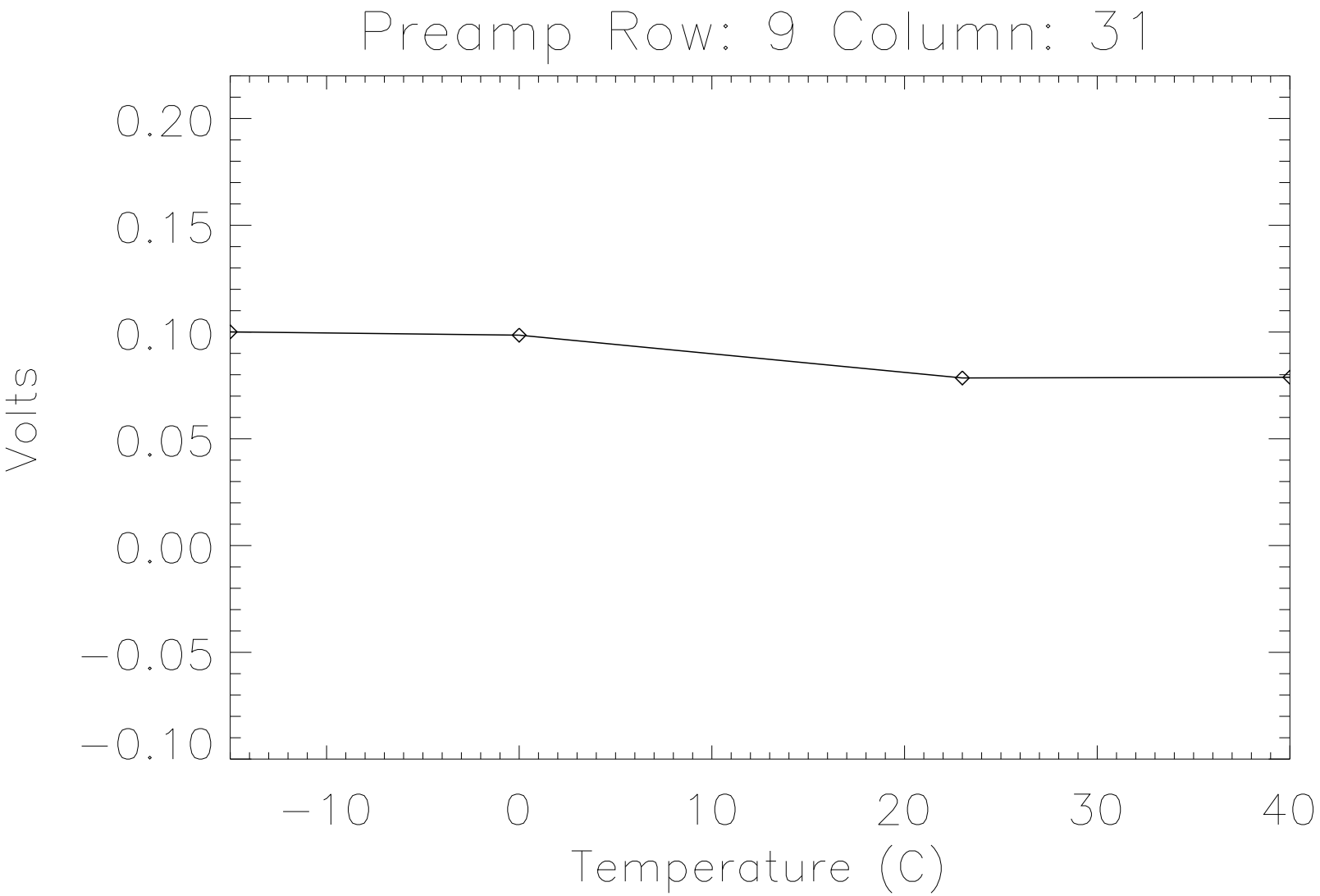

Shaper Row: 9 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

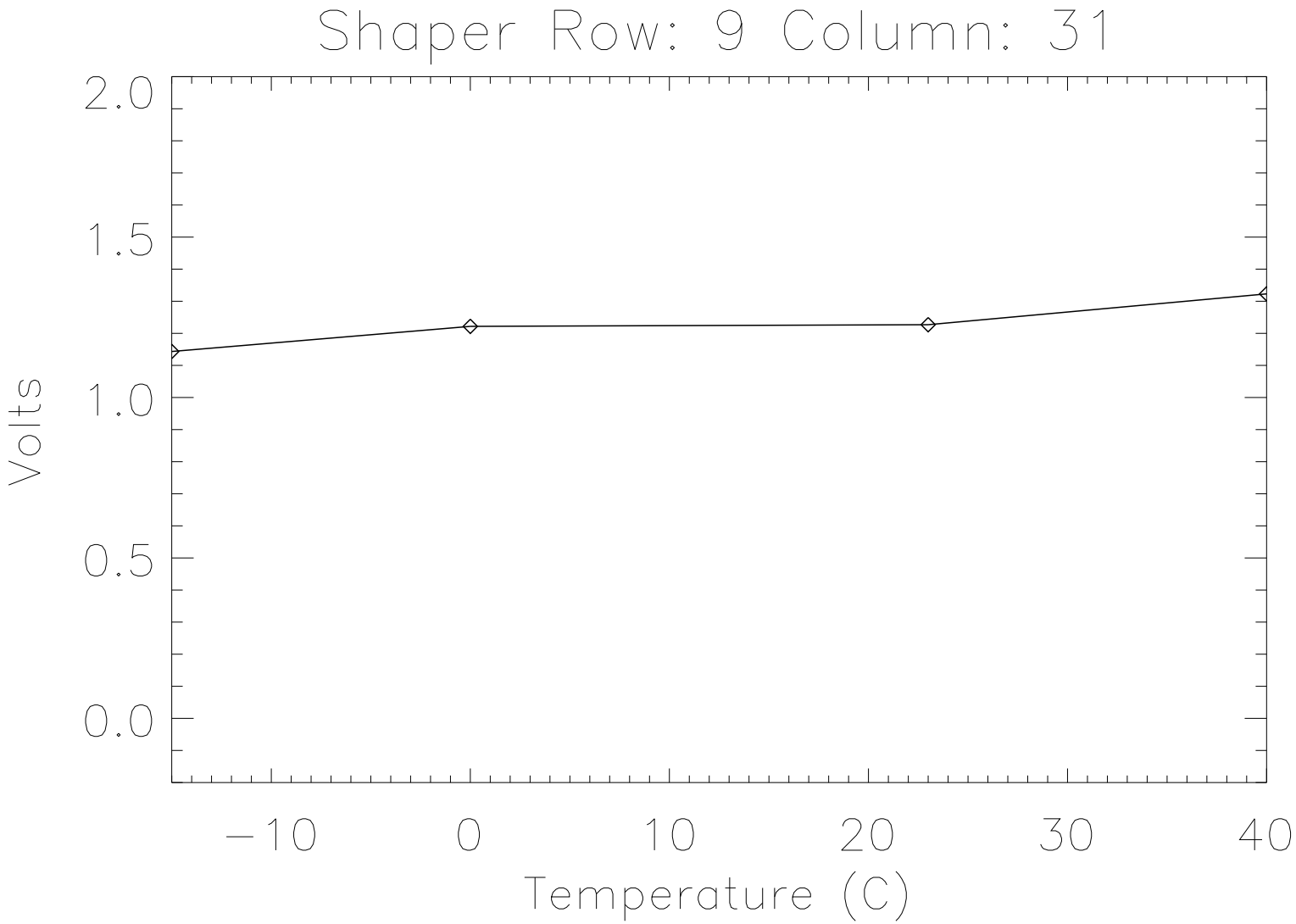

Leakage Row: 9 Column: 30
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

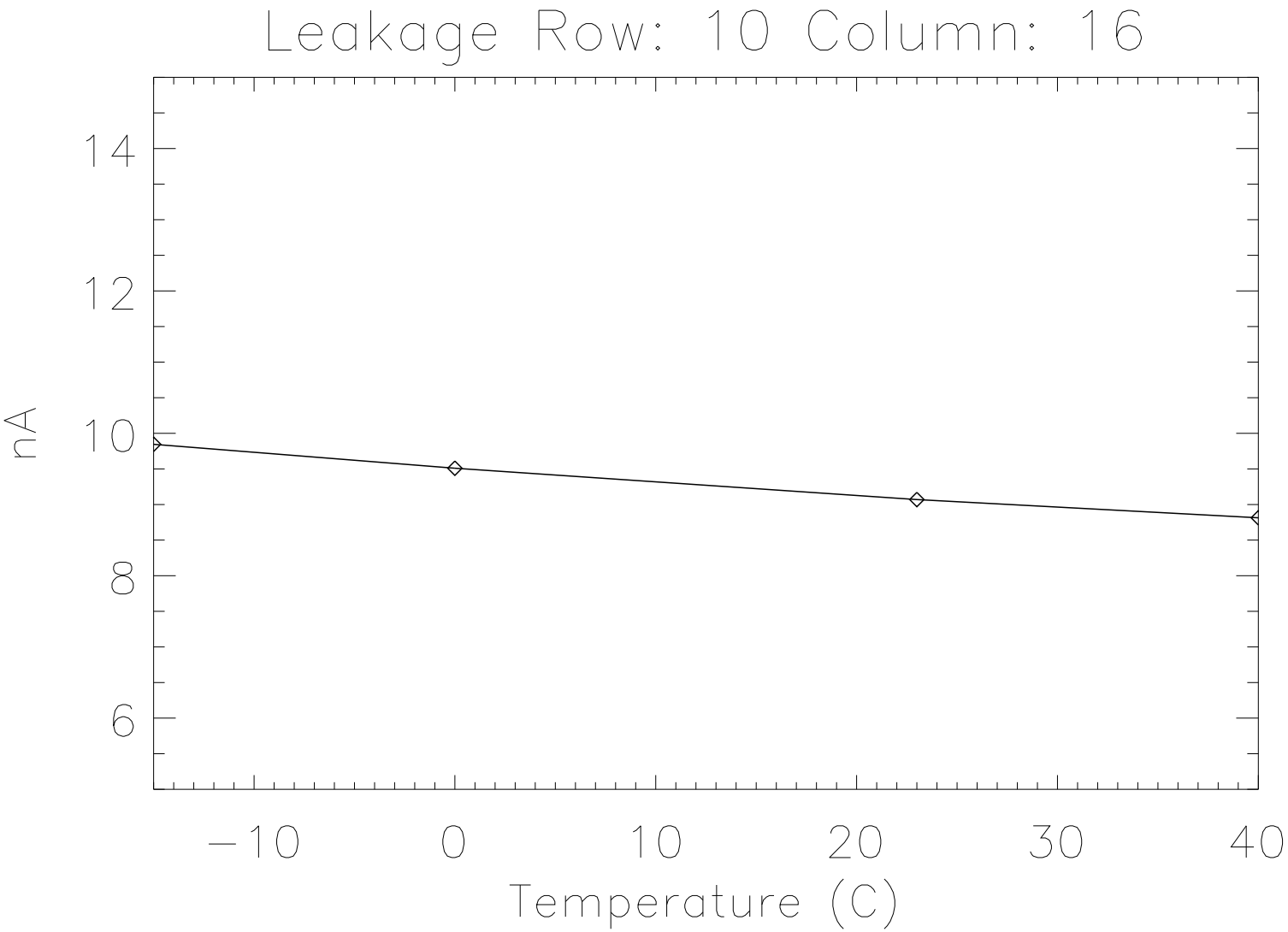

Preamp Row: 9 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

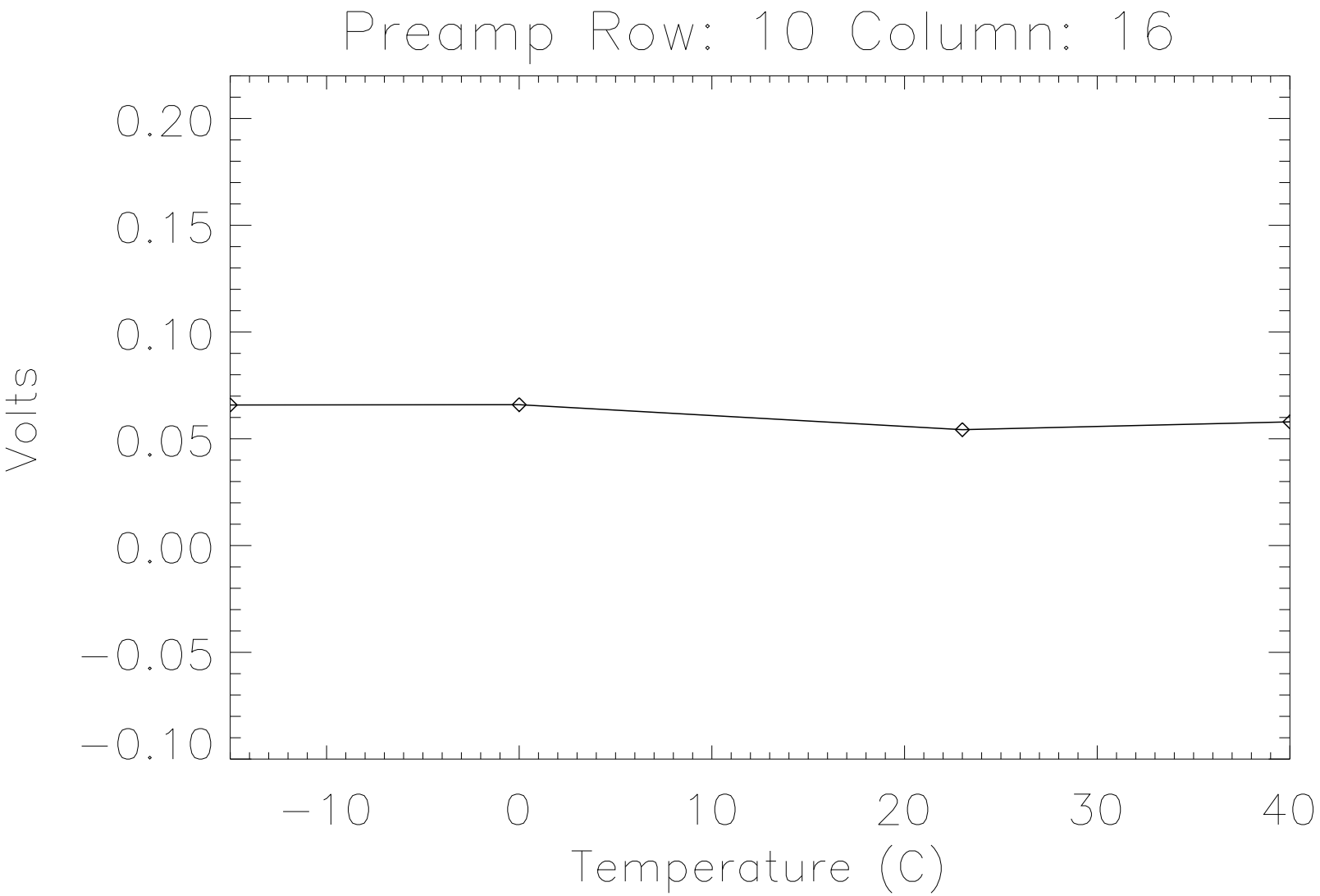

Shaper Row: 9 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

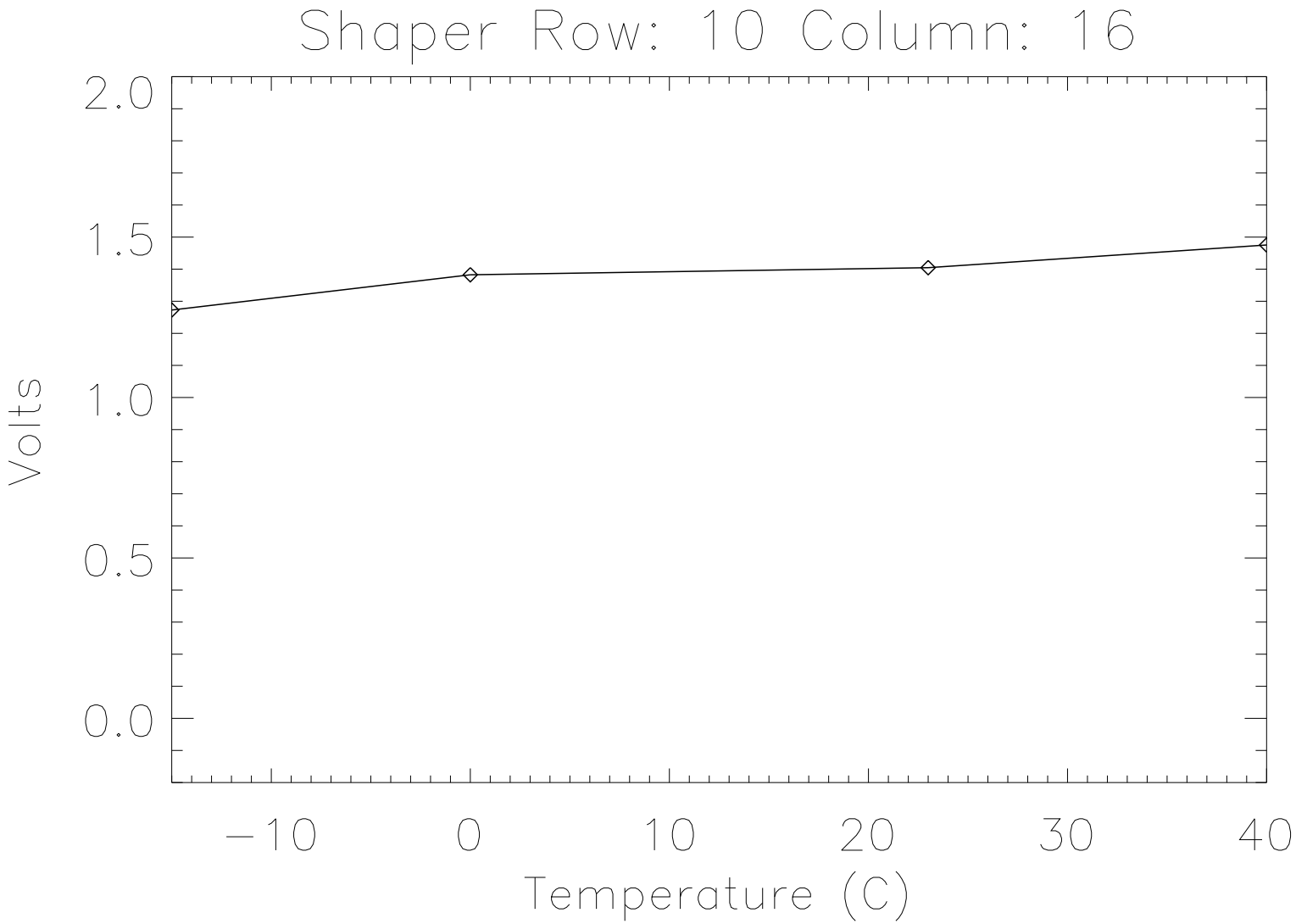

Leakage Row: 9 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

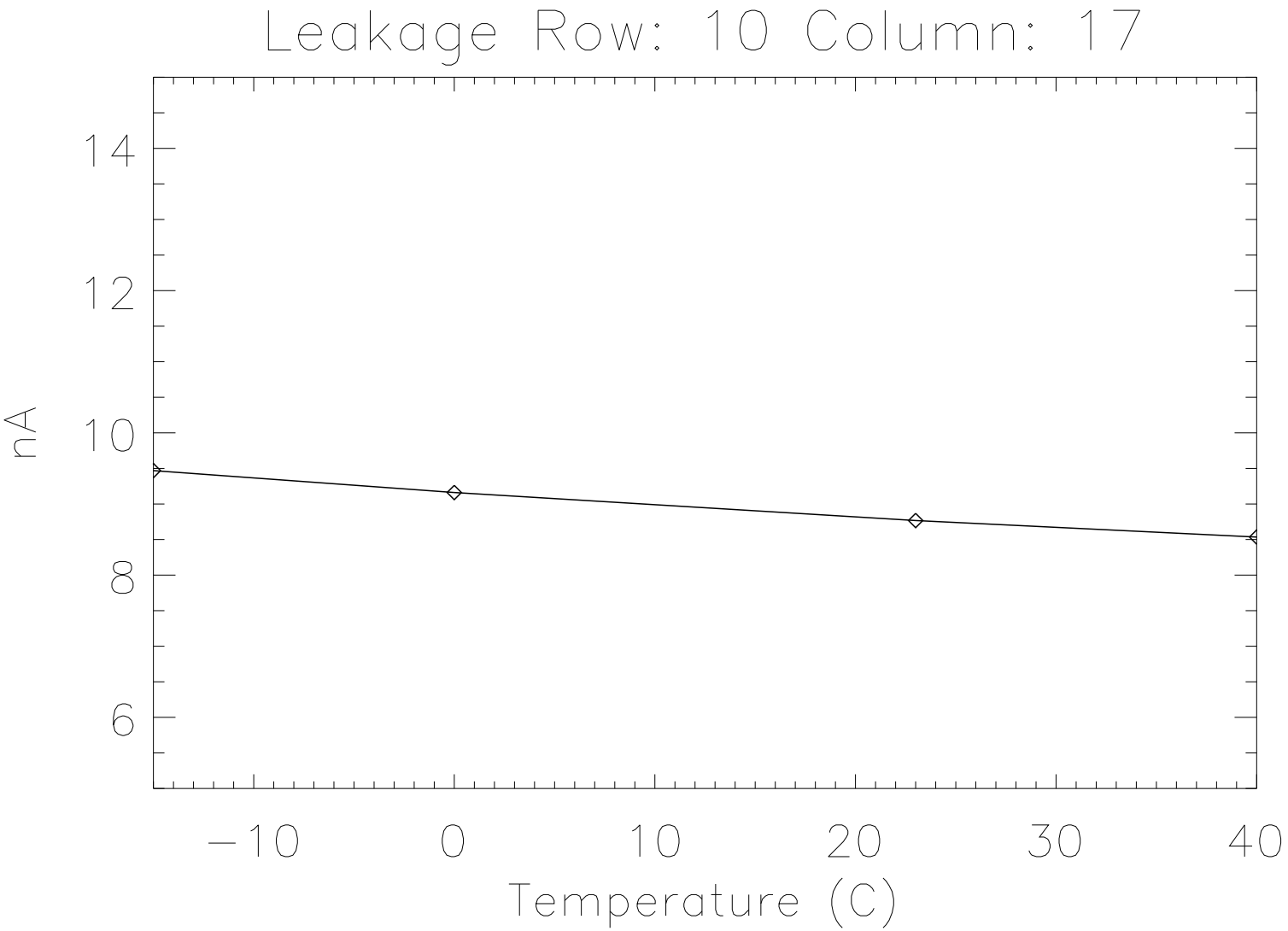

Preamp Row: 9 Column: 31
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

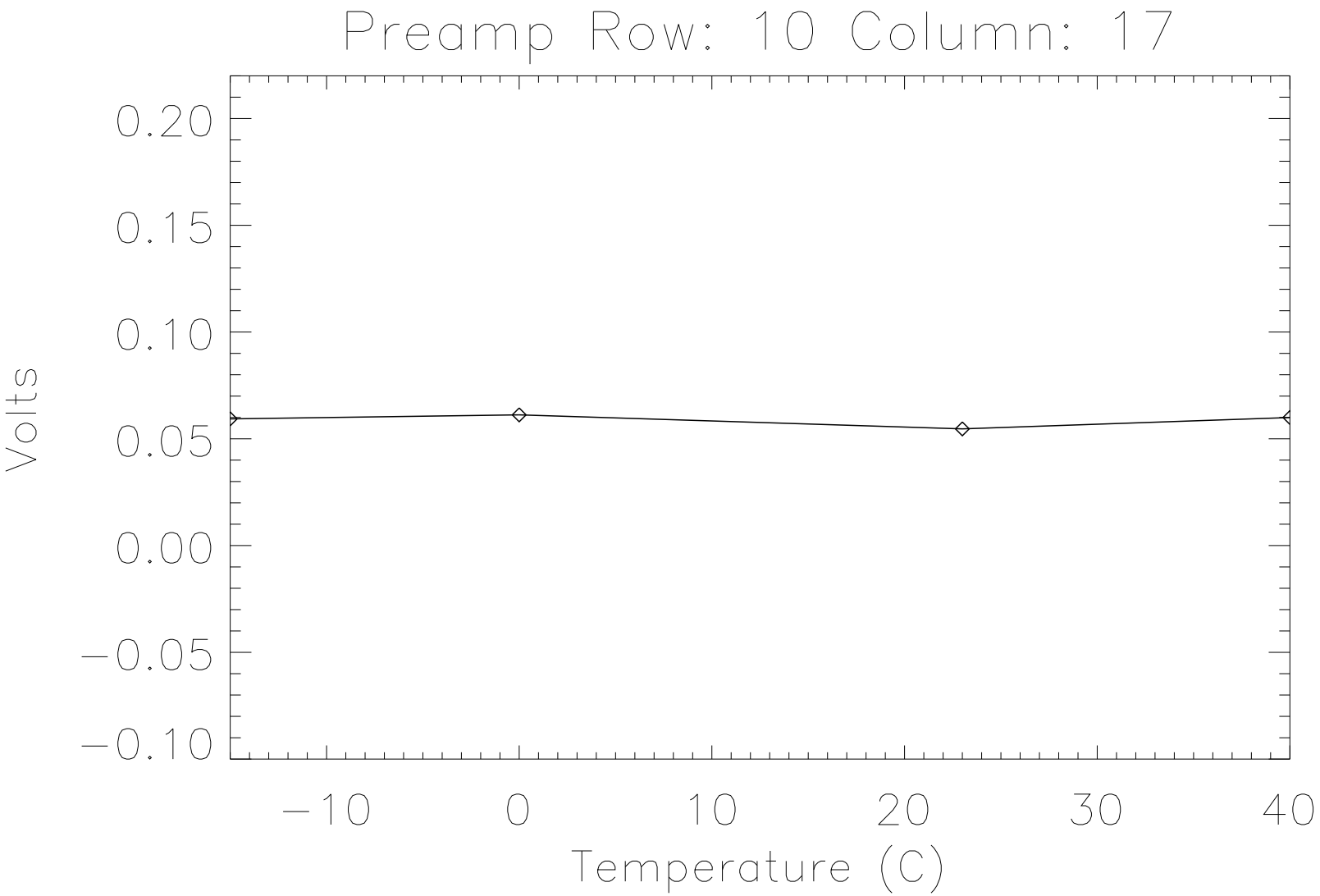

Shaper Row: 9 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

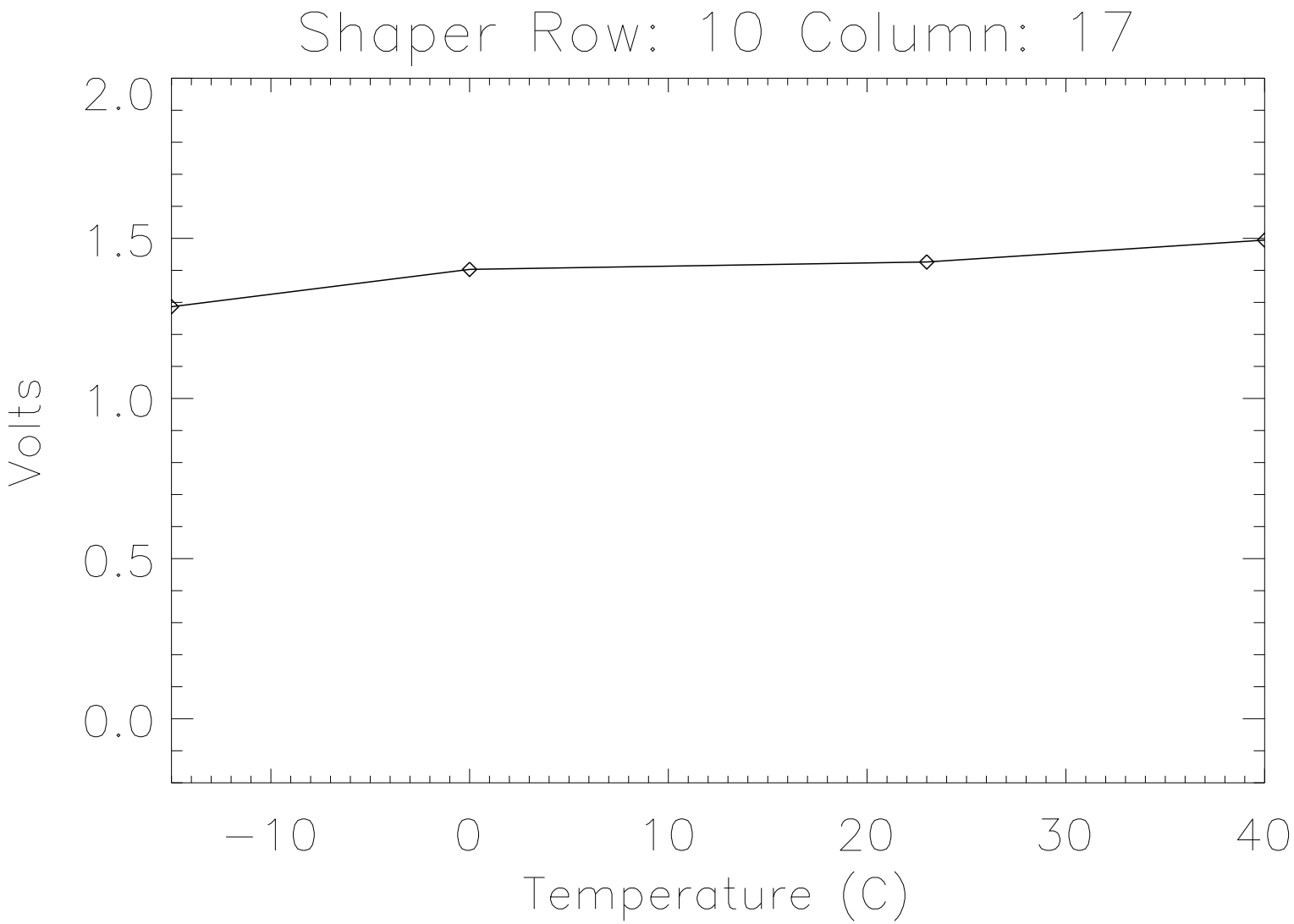

Leakage Row: 10 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

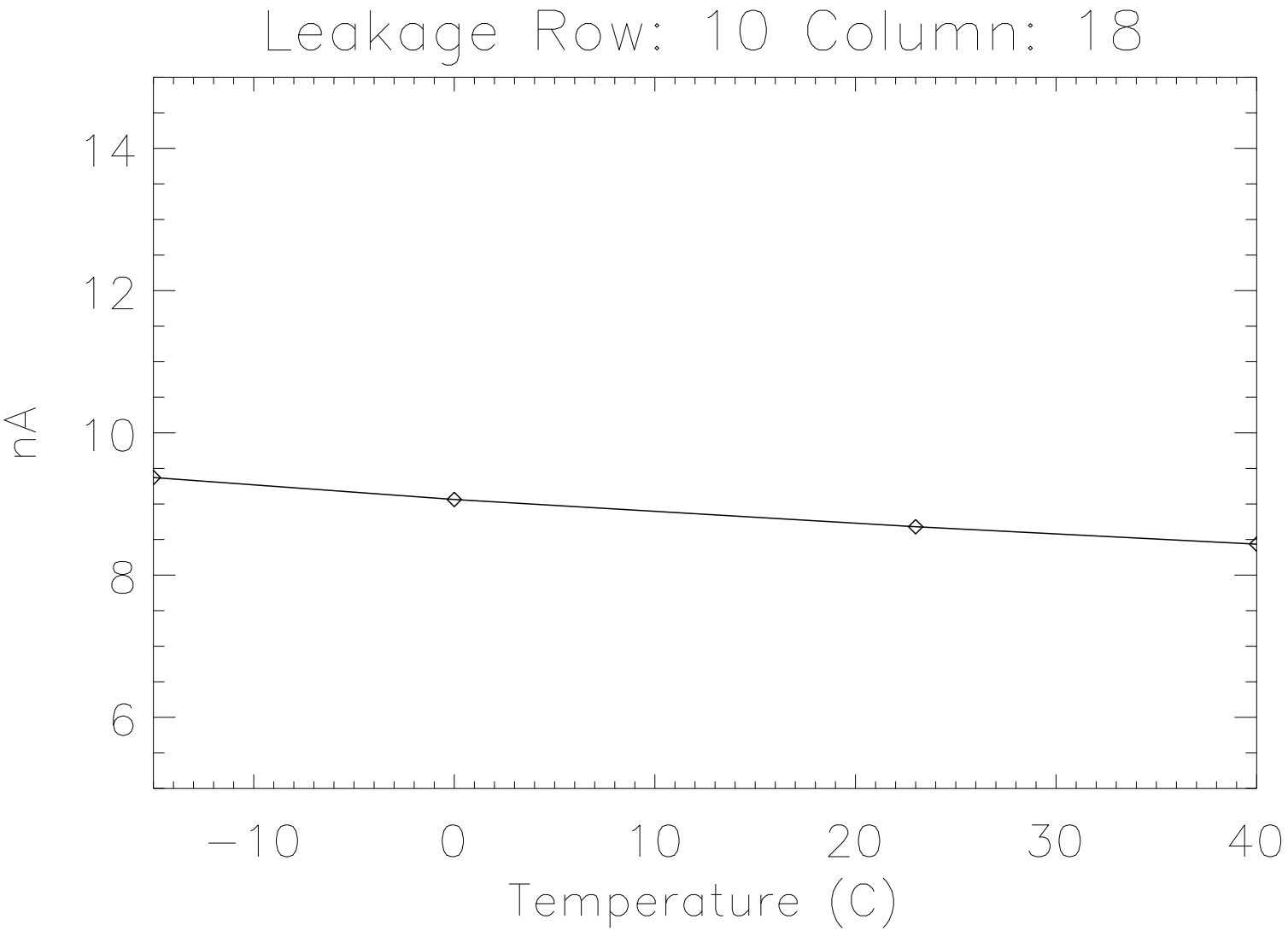

Preamp Row: 10 Column: 16
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

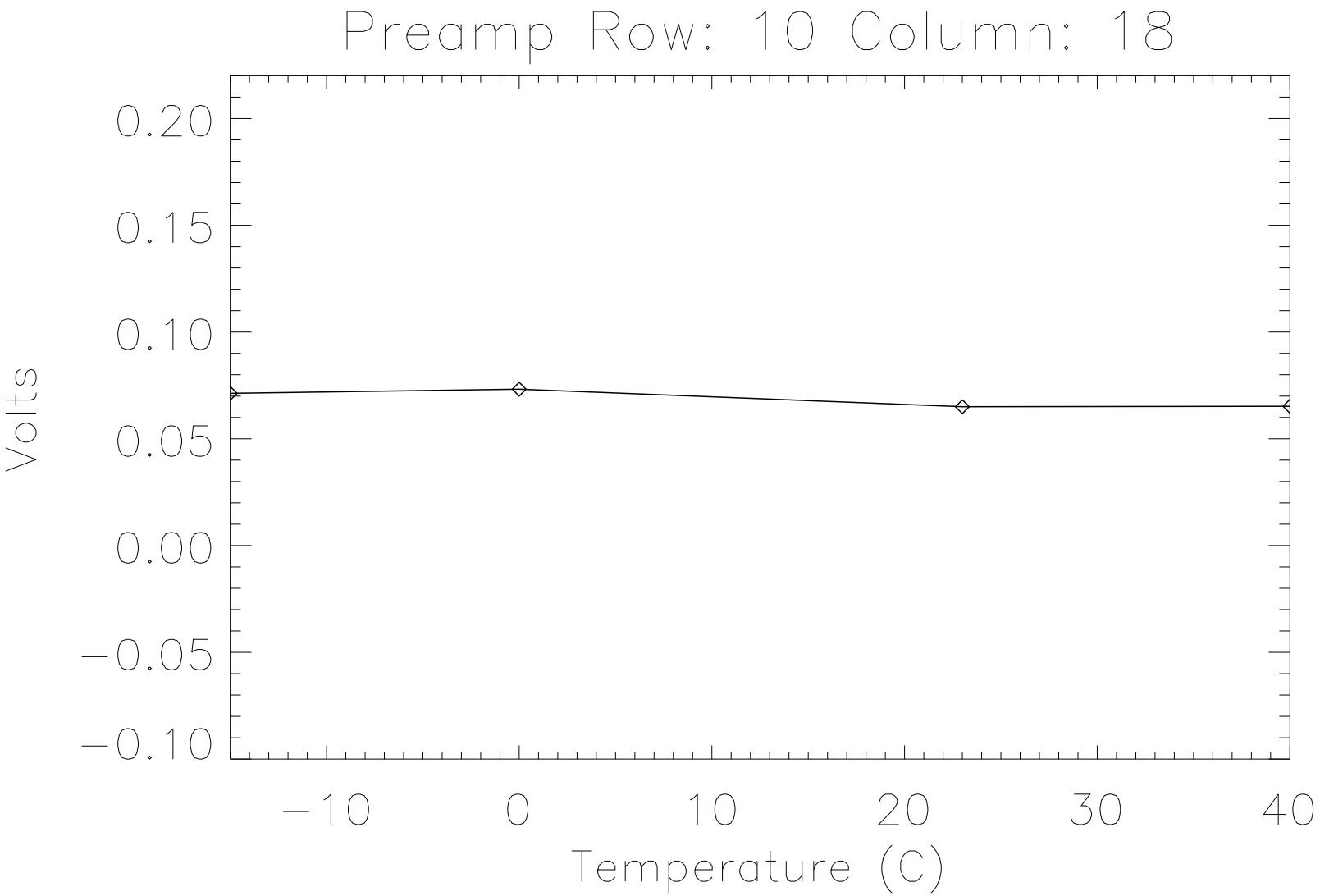

Shaper Row: 10 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

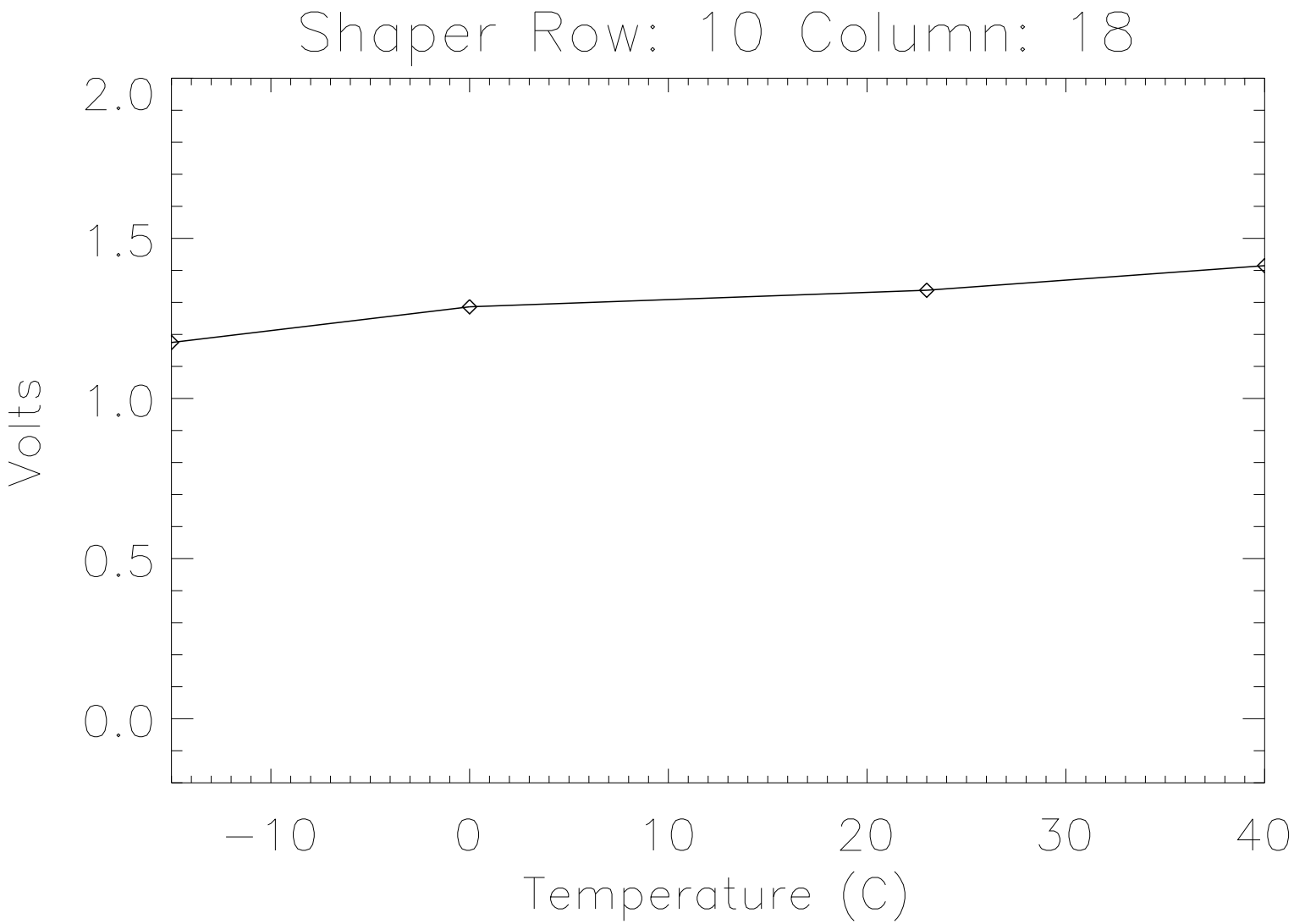

Leakage Row: 10 Column: 17
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

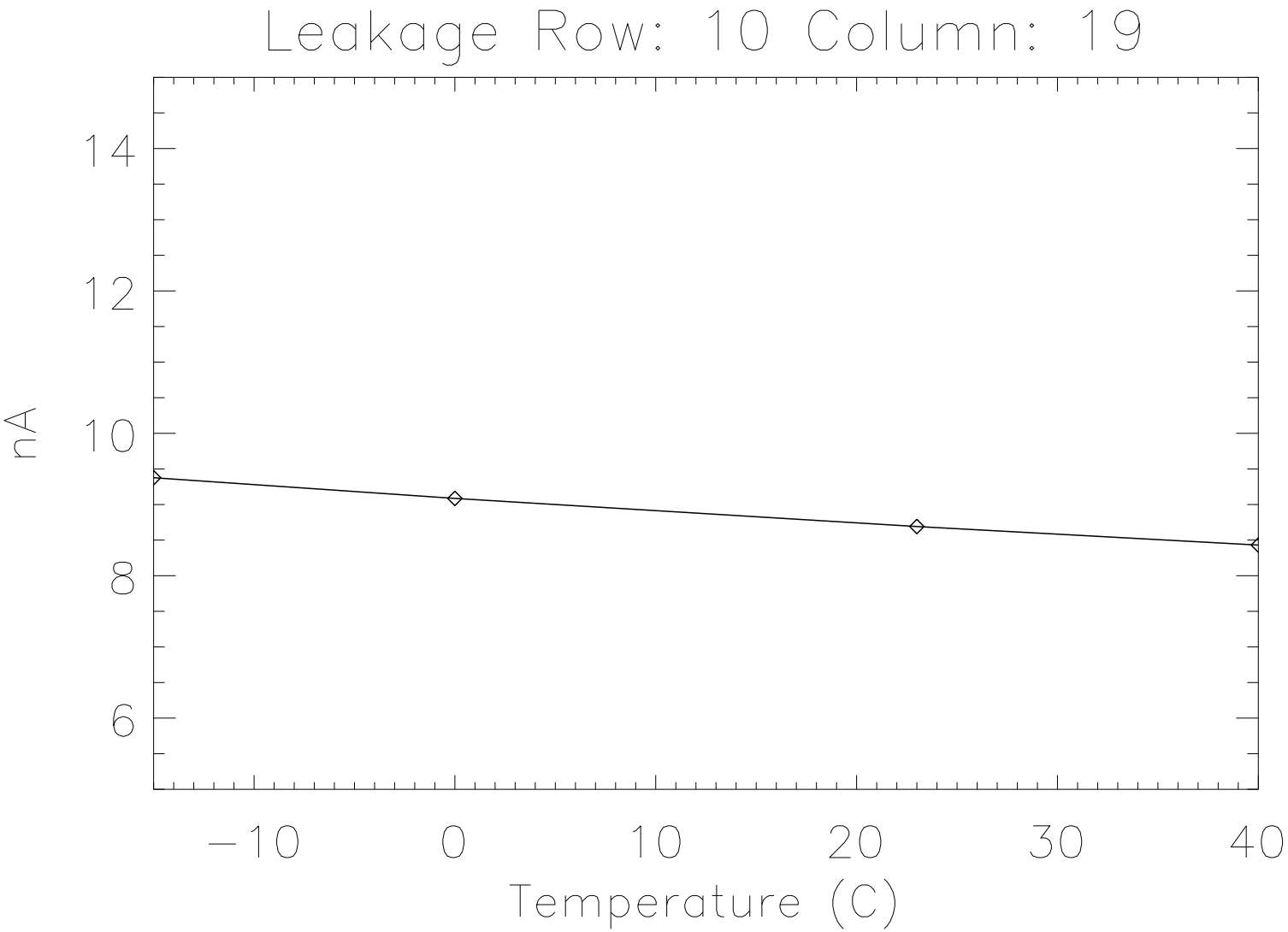

Preamp Row: 10 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

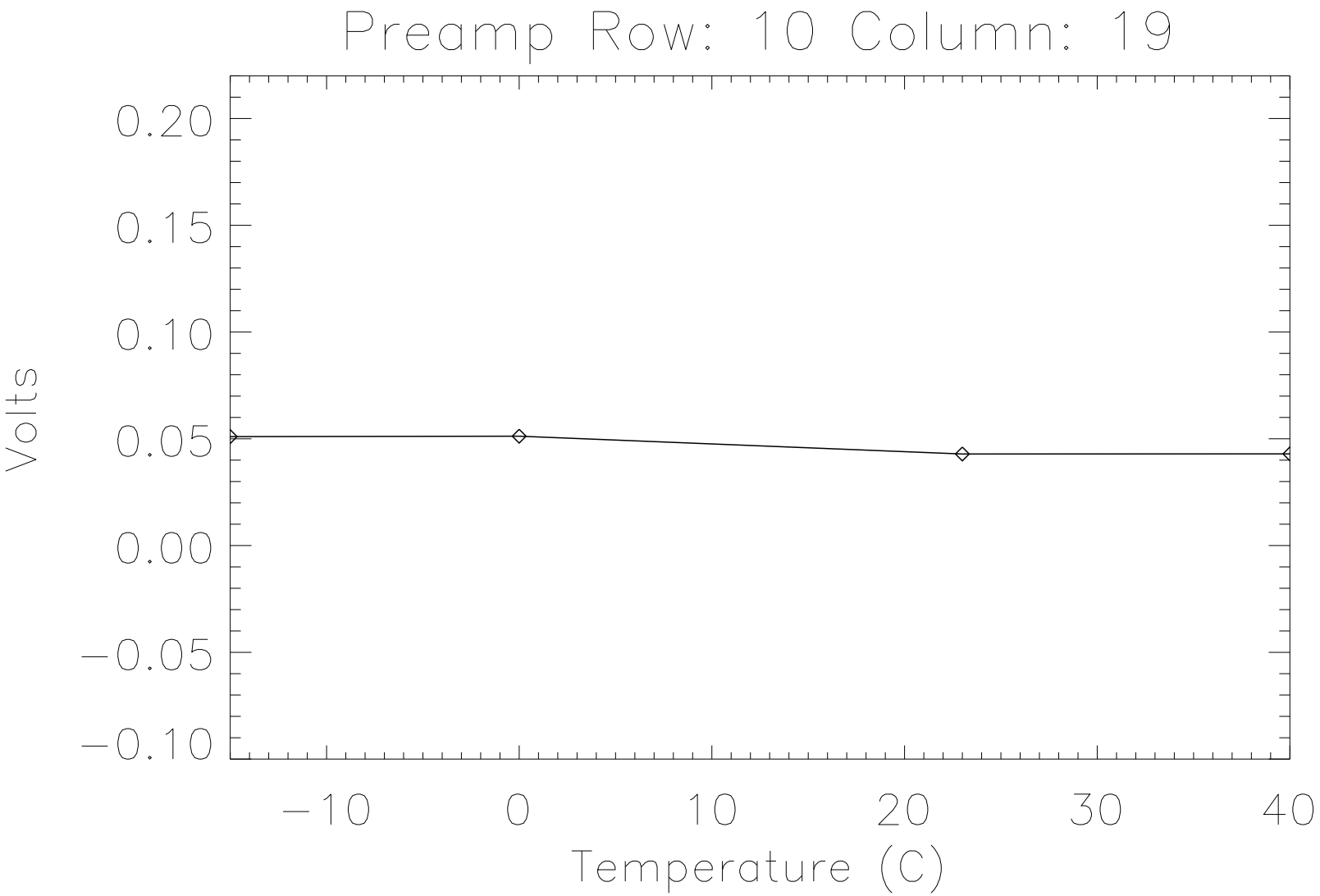

Shaper Row: 10 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

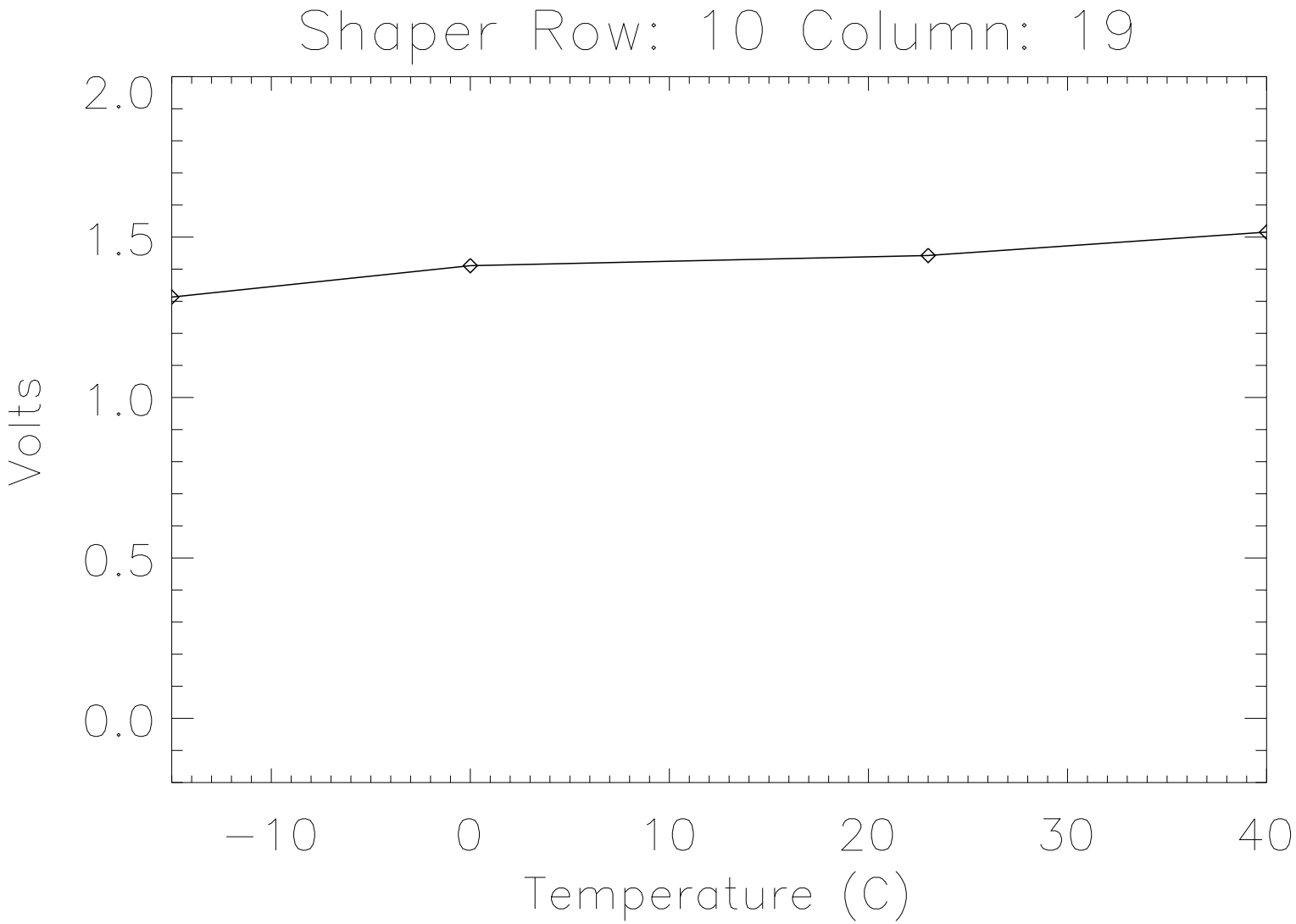

Leakage Row: 10 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

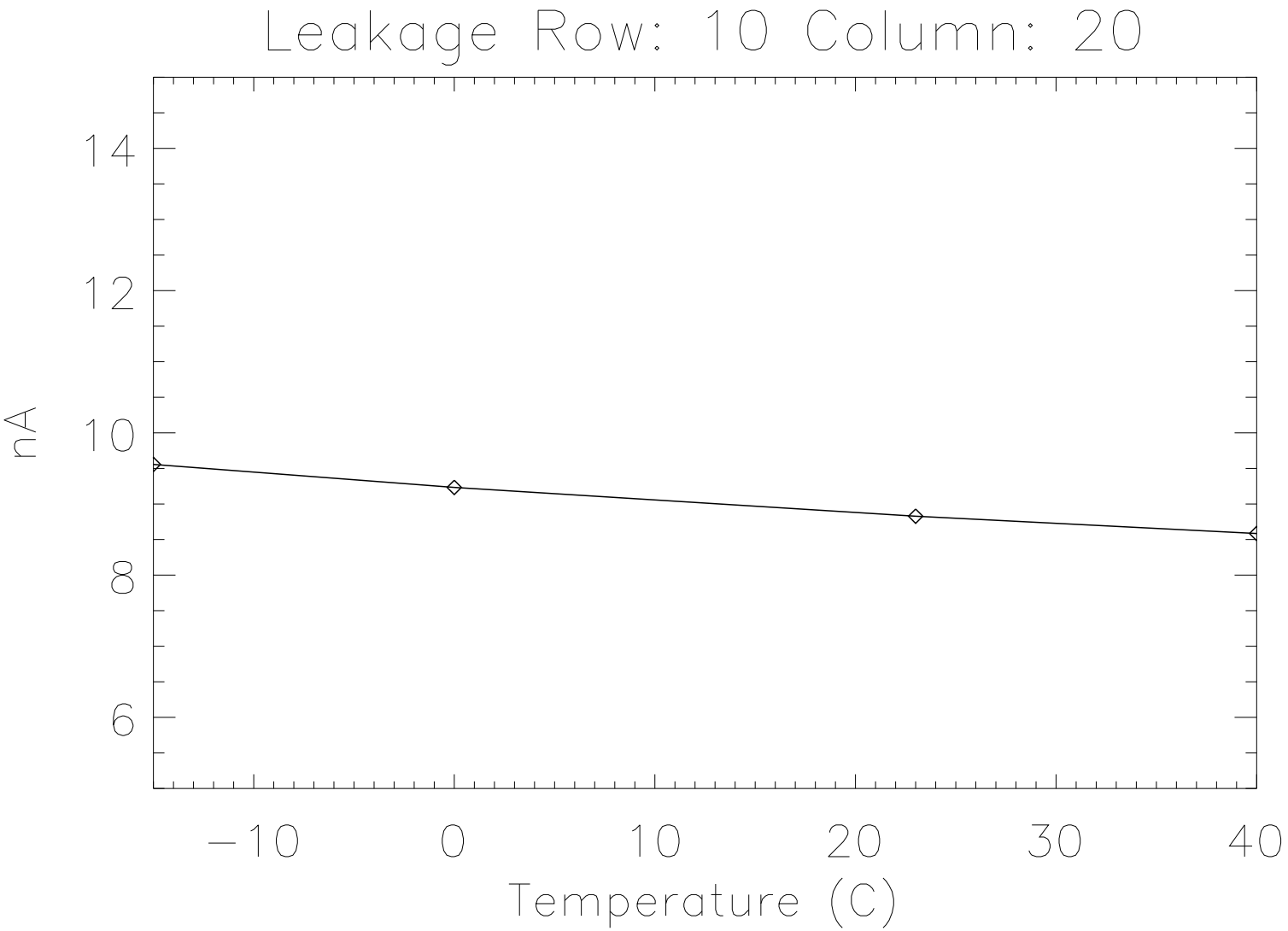

Preamp Row: 10 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

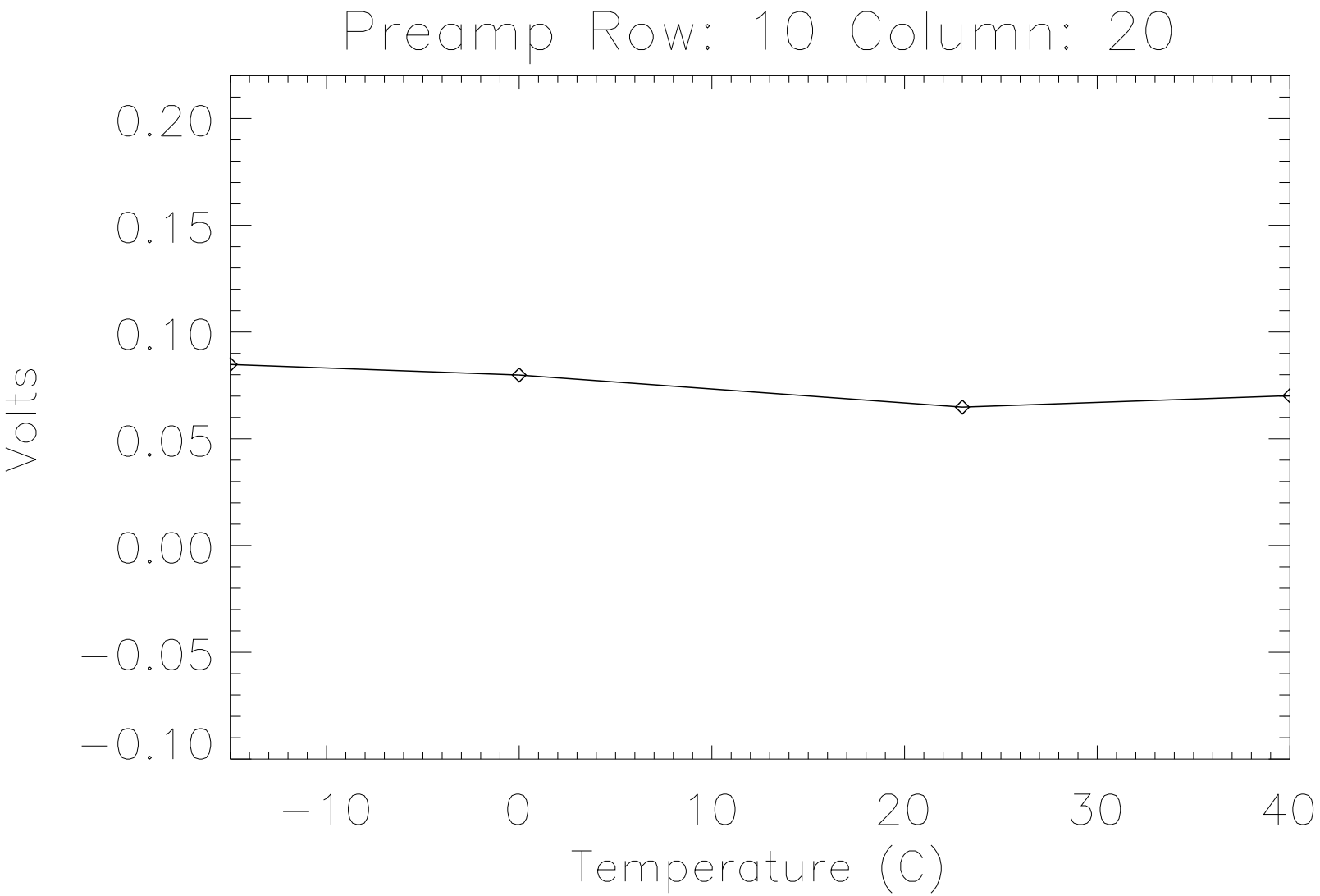

Shaper Row: 10 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

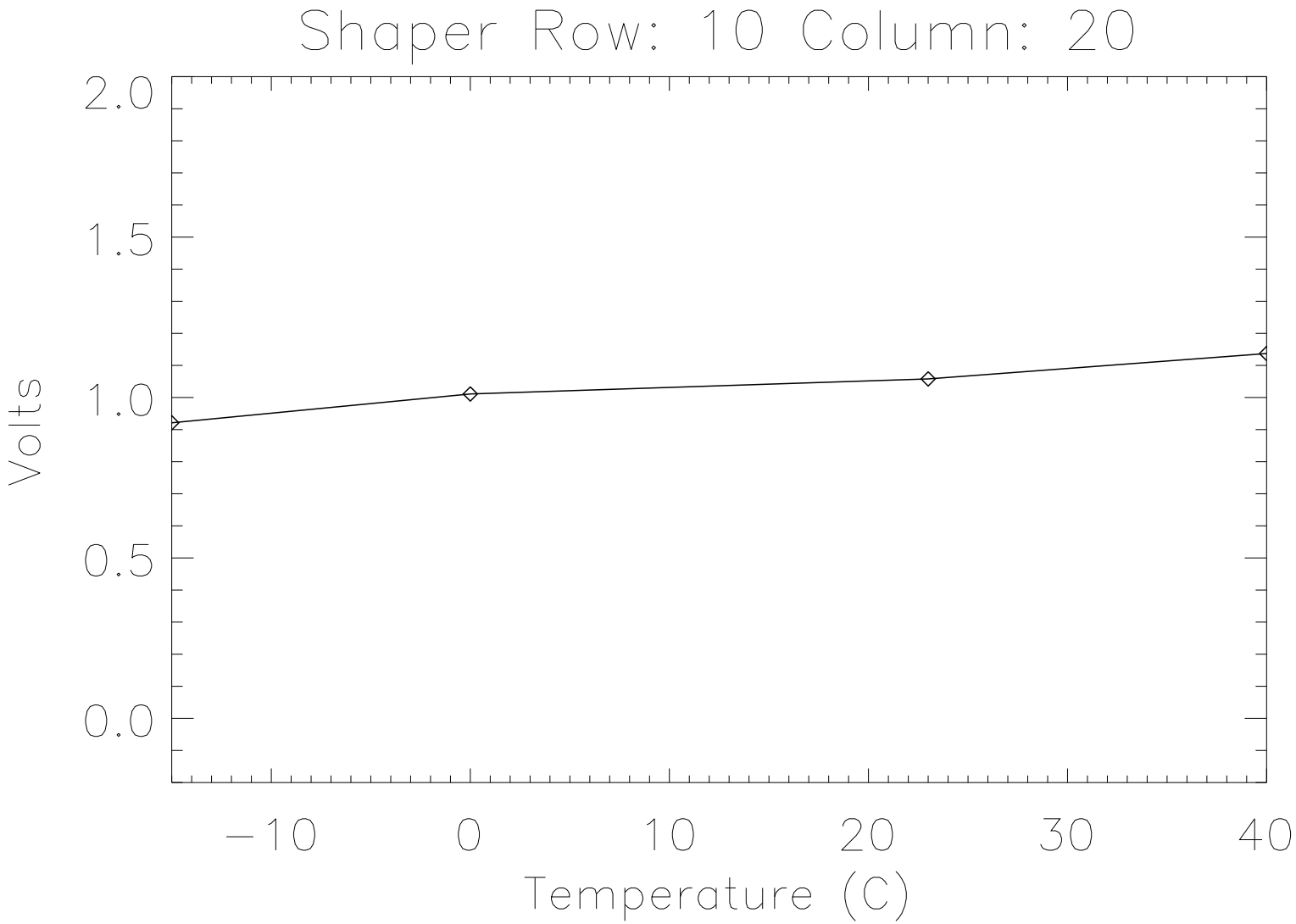

Leakage Row: 10 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

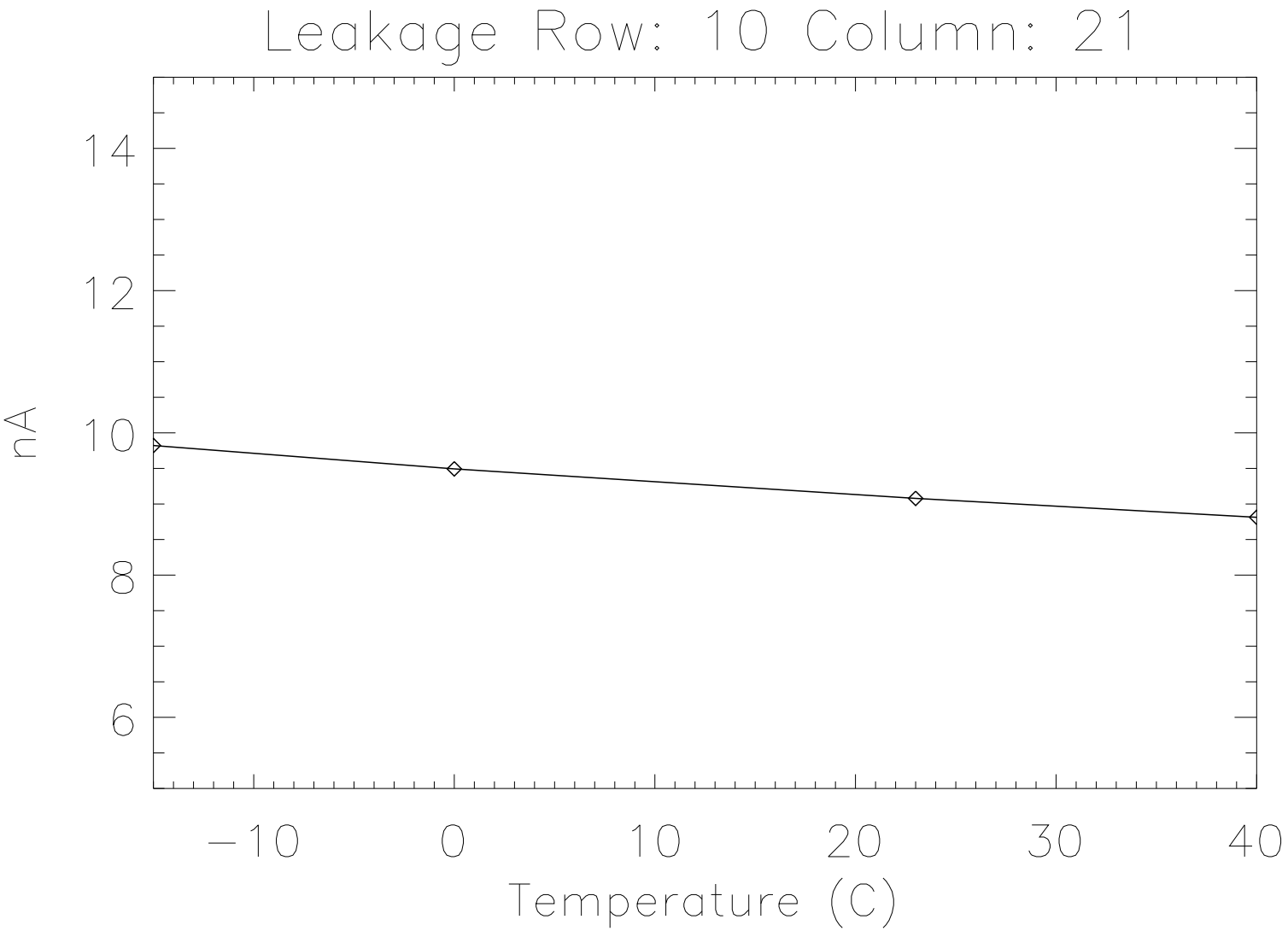

Preamp Row: 10 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

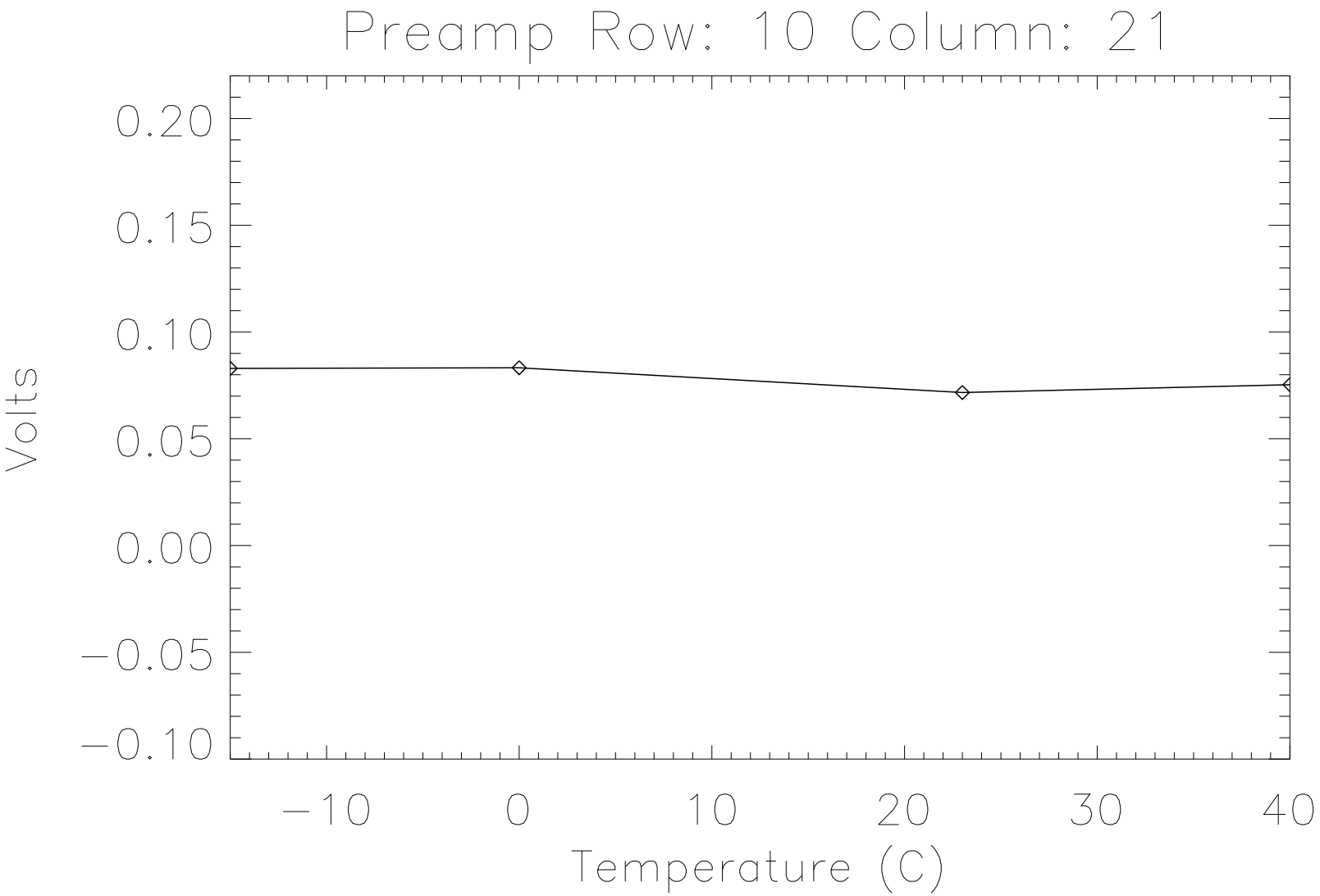

Shaper Row: 10 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

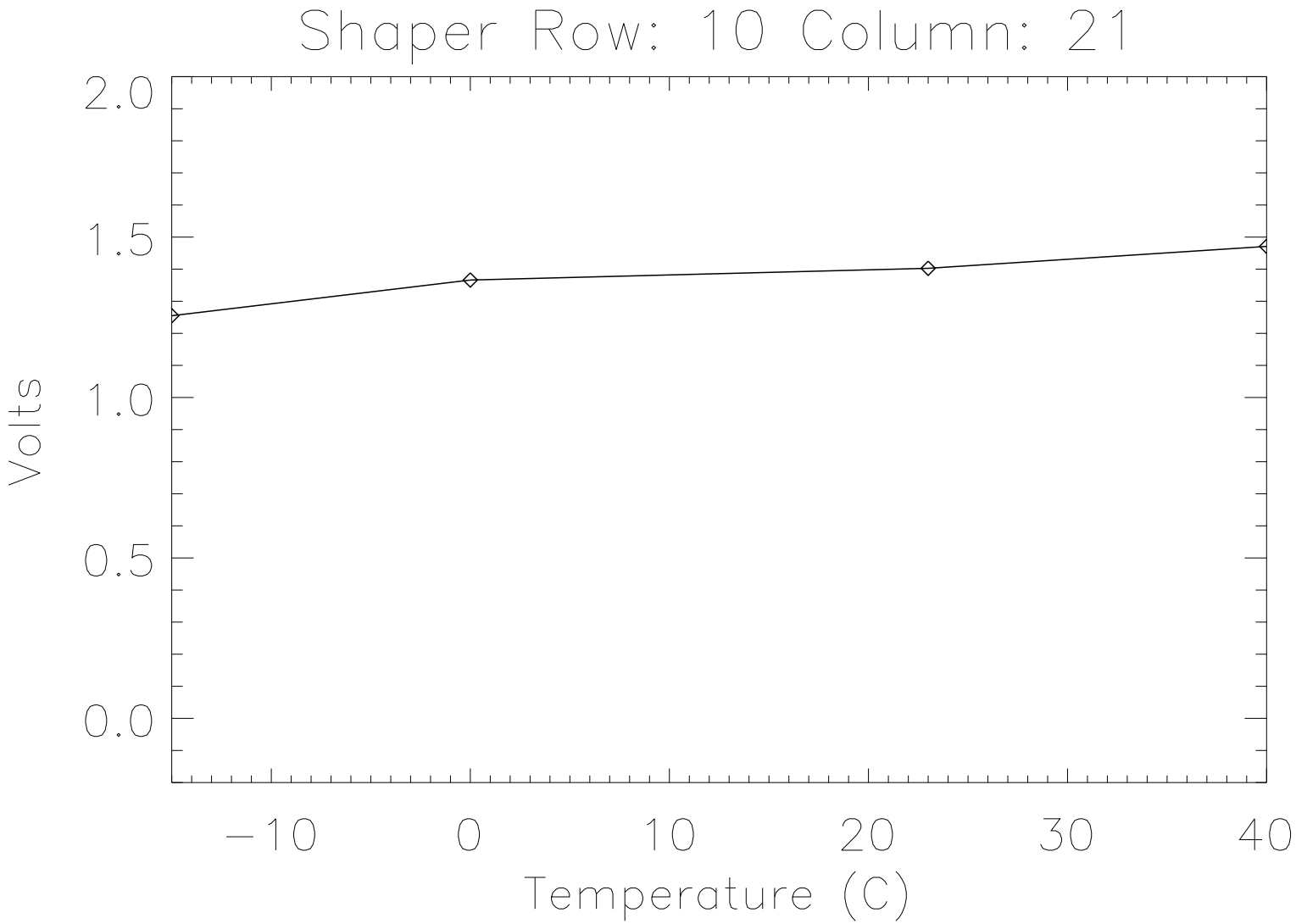

Leakage Row: 10 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

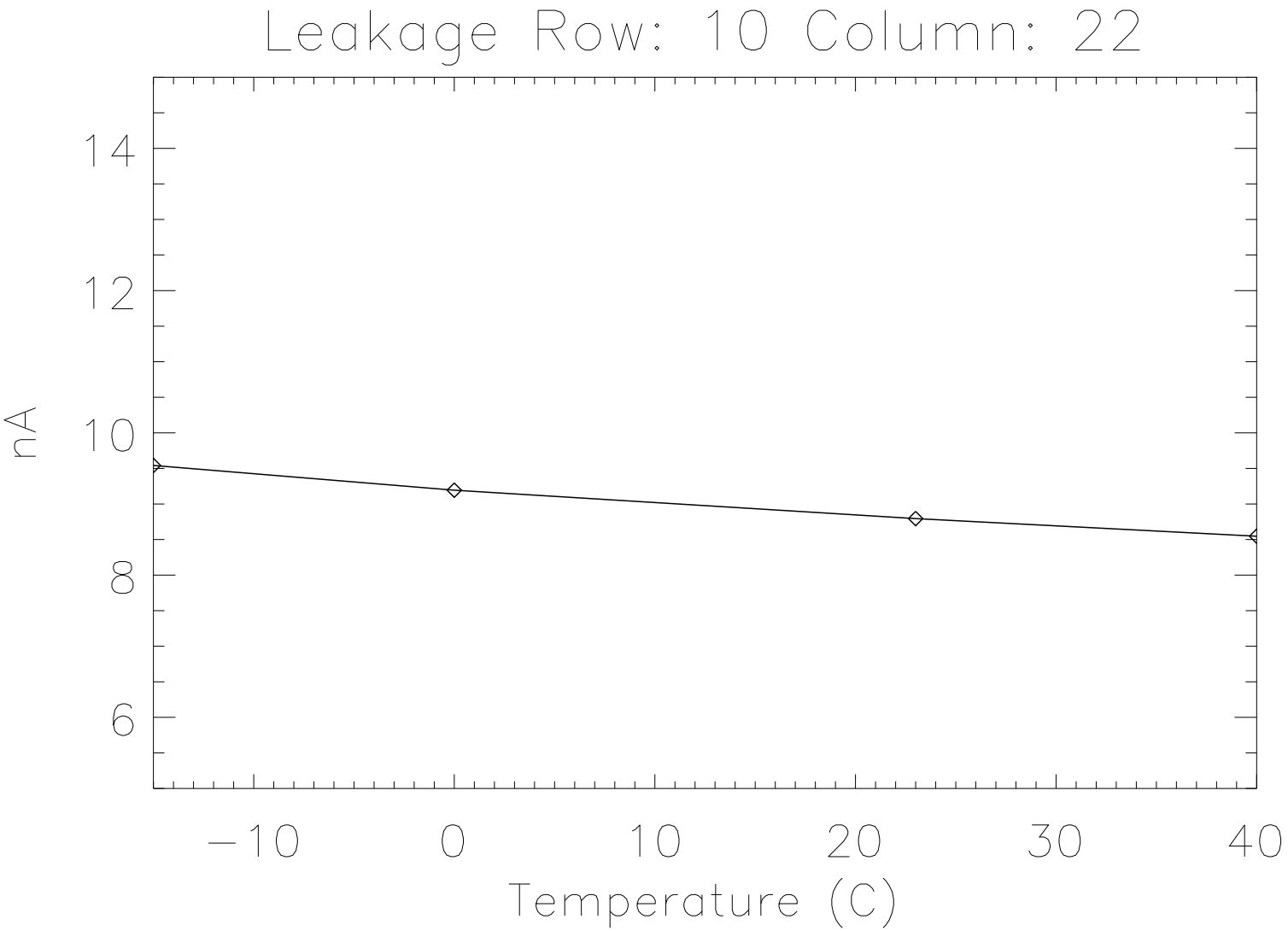

Preamp Row: 10 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

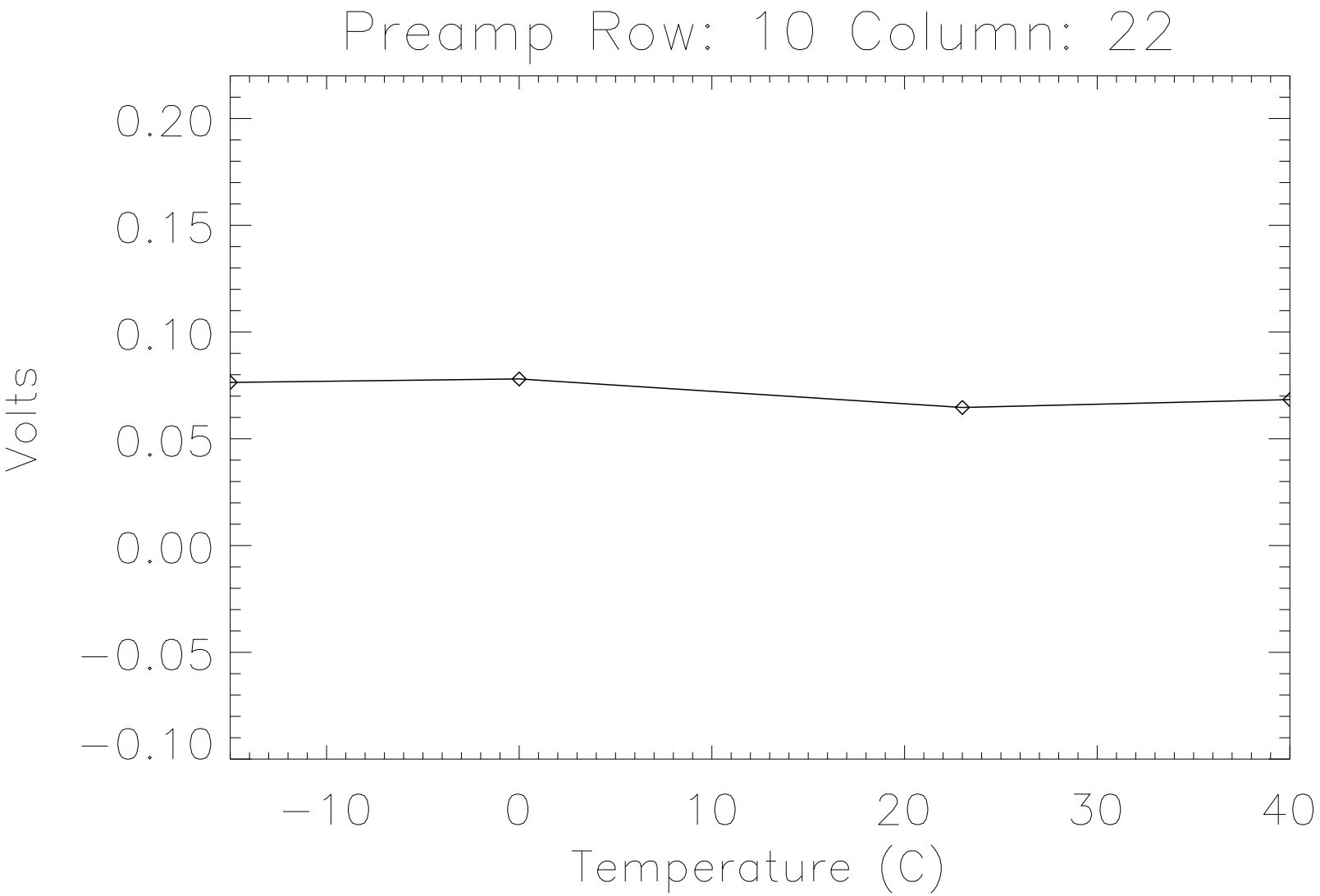

Shaper Row: 10 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

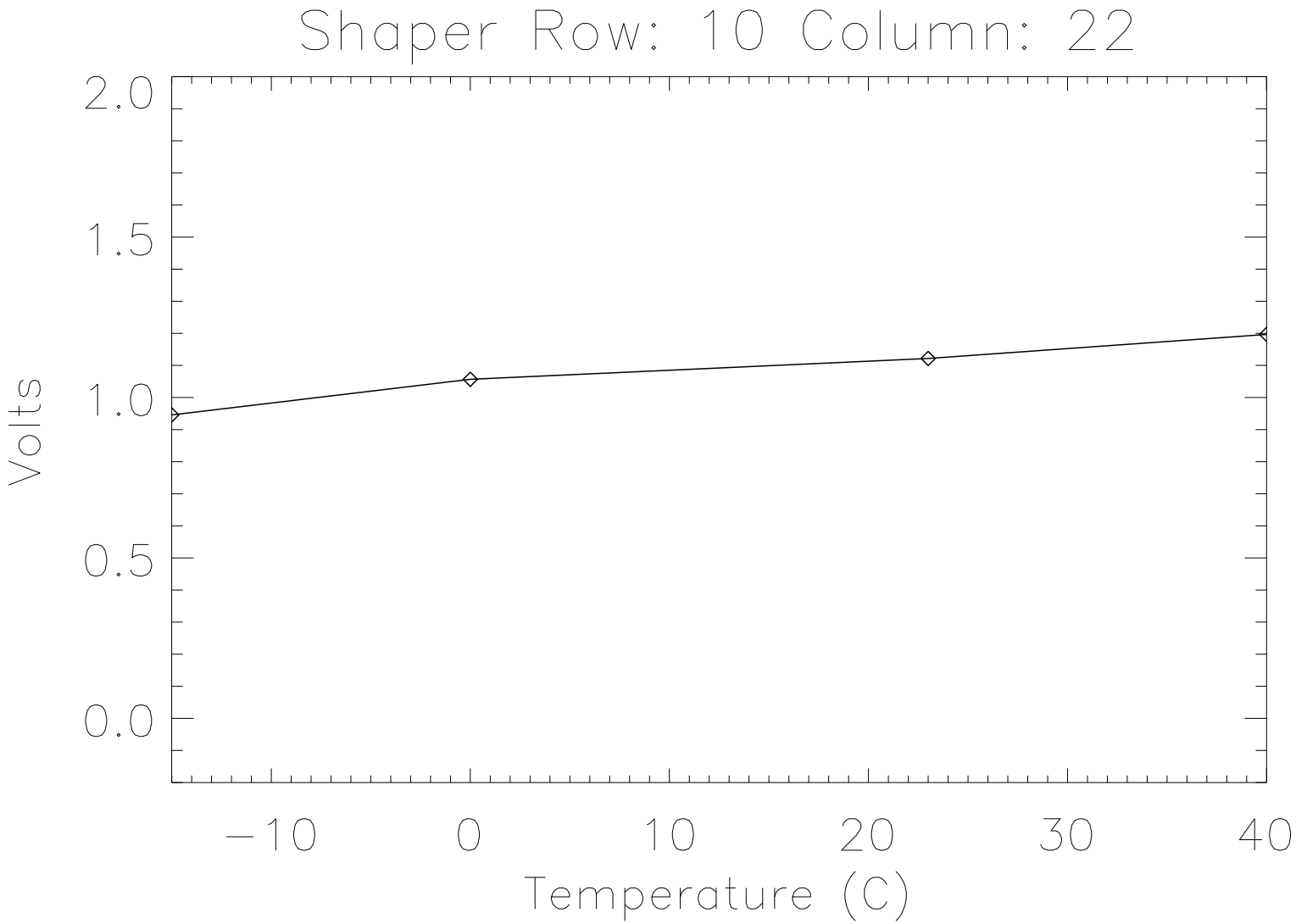

Leakage Row: 10 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 10 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 10 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 10 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 10 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 10 Column: 22
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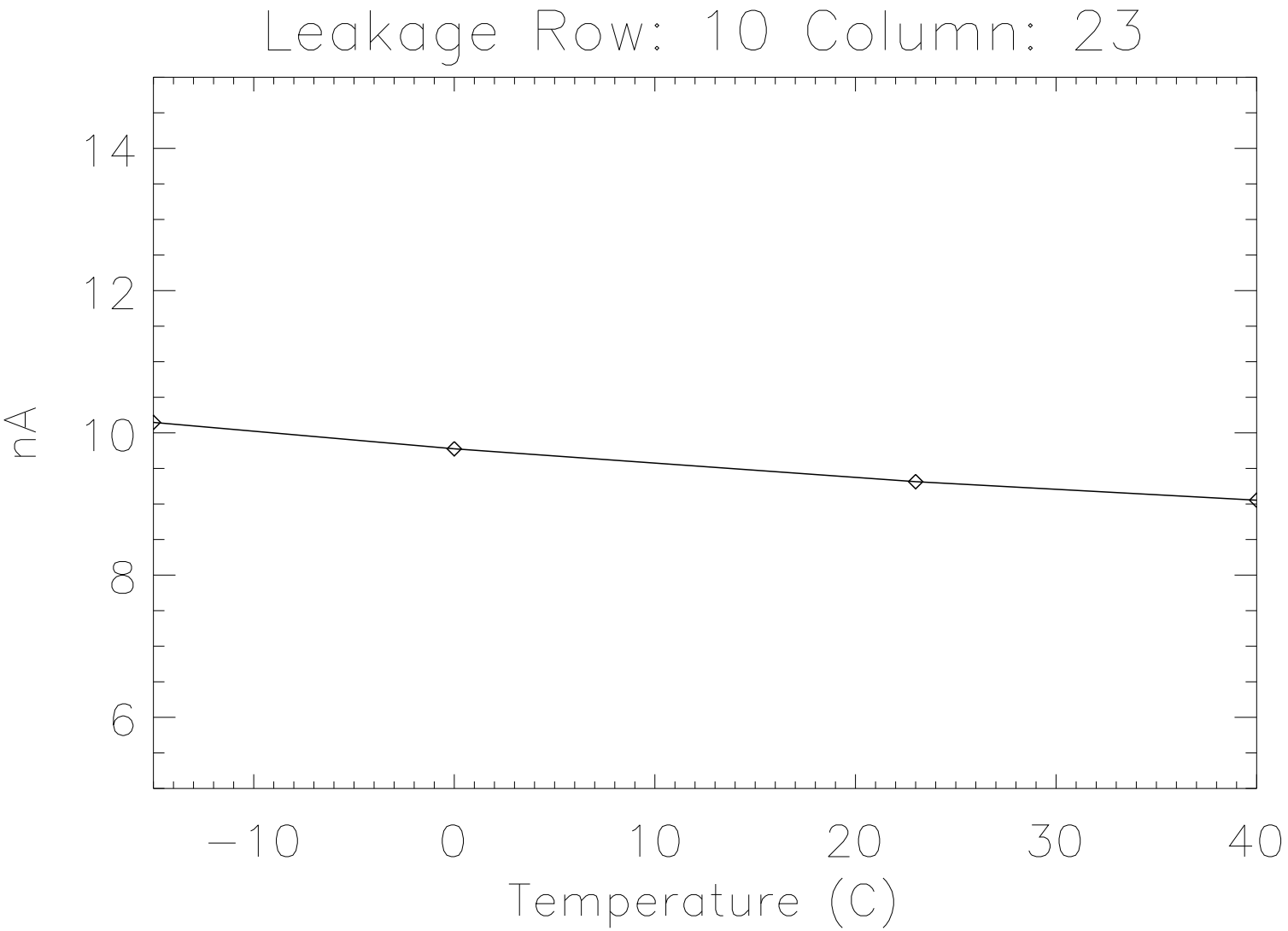
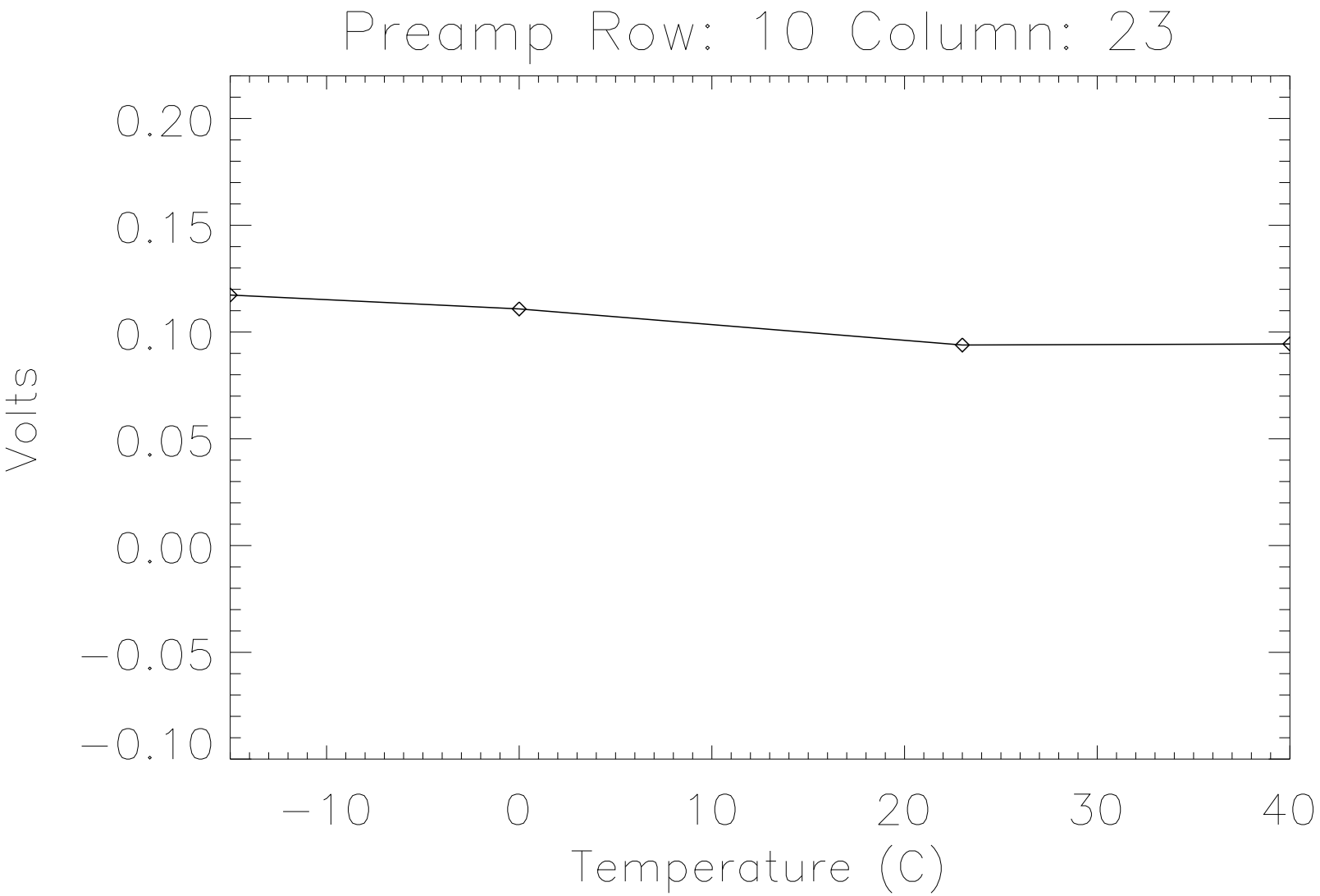
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 10 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 10 Column: 23
0.20
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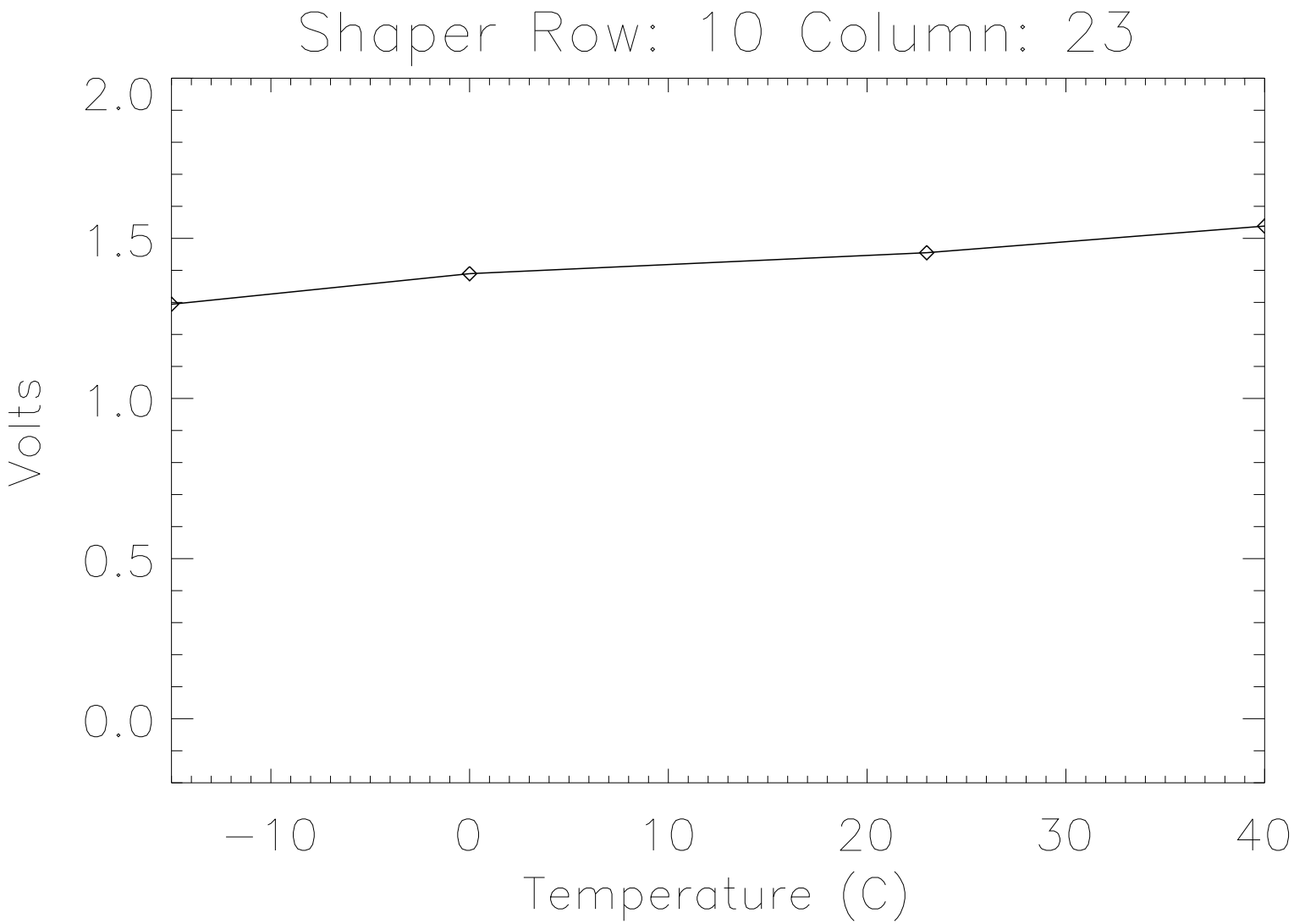
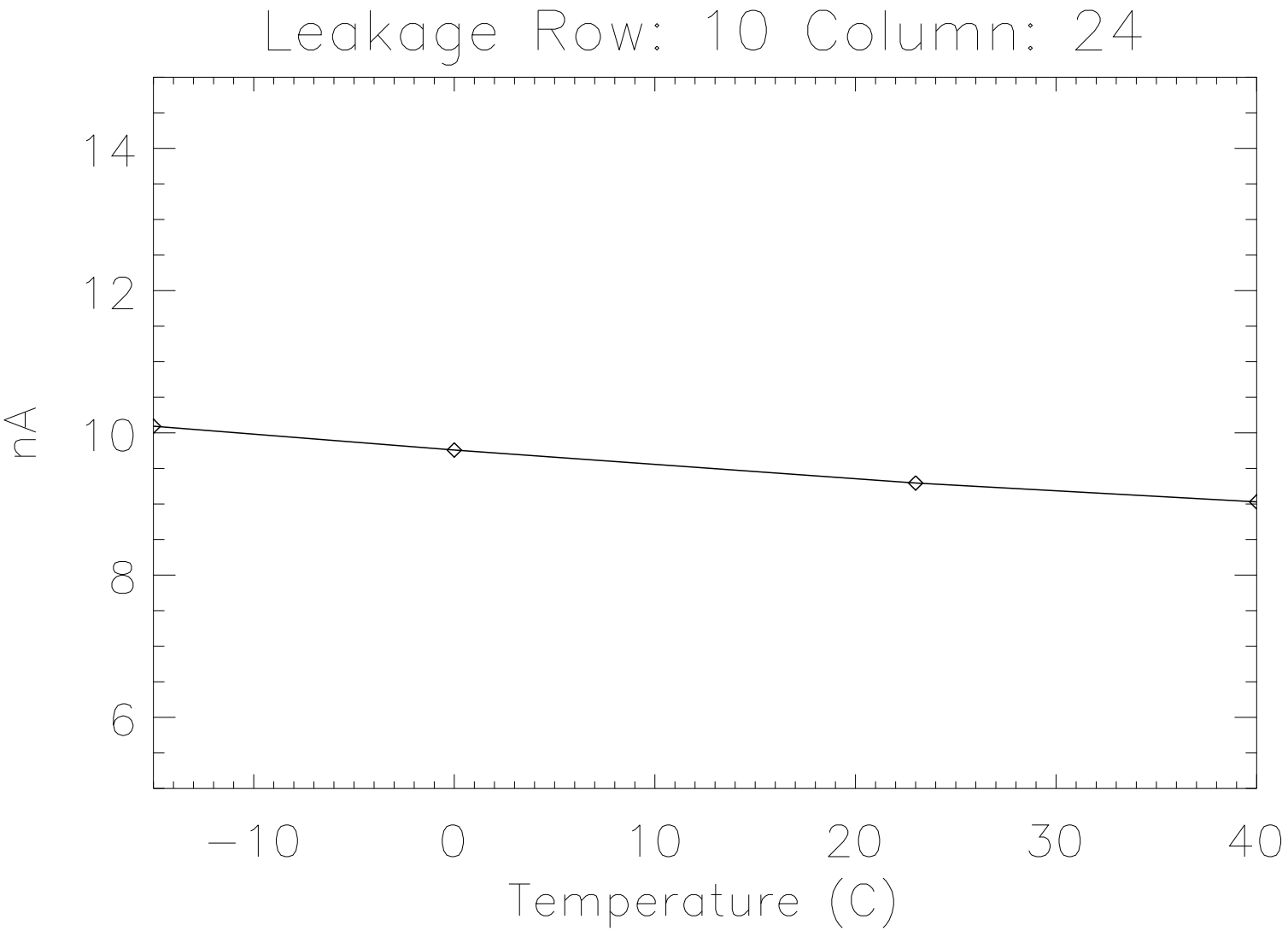
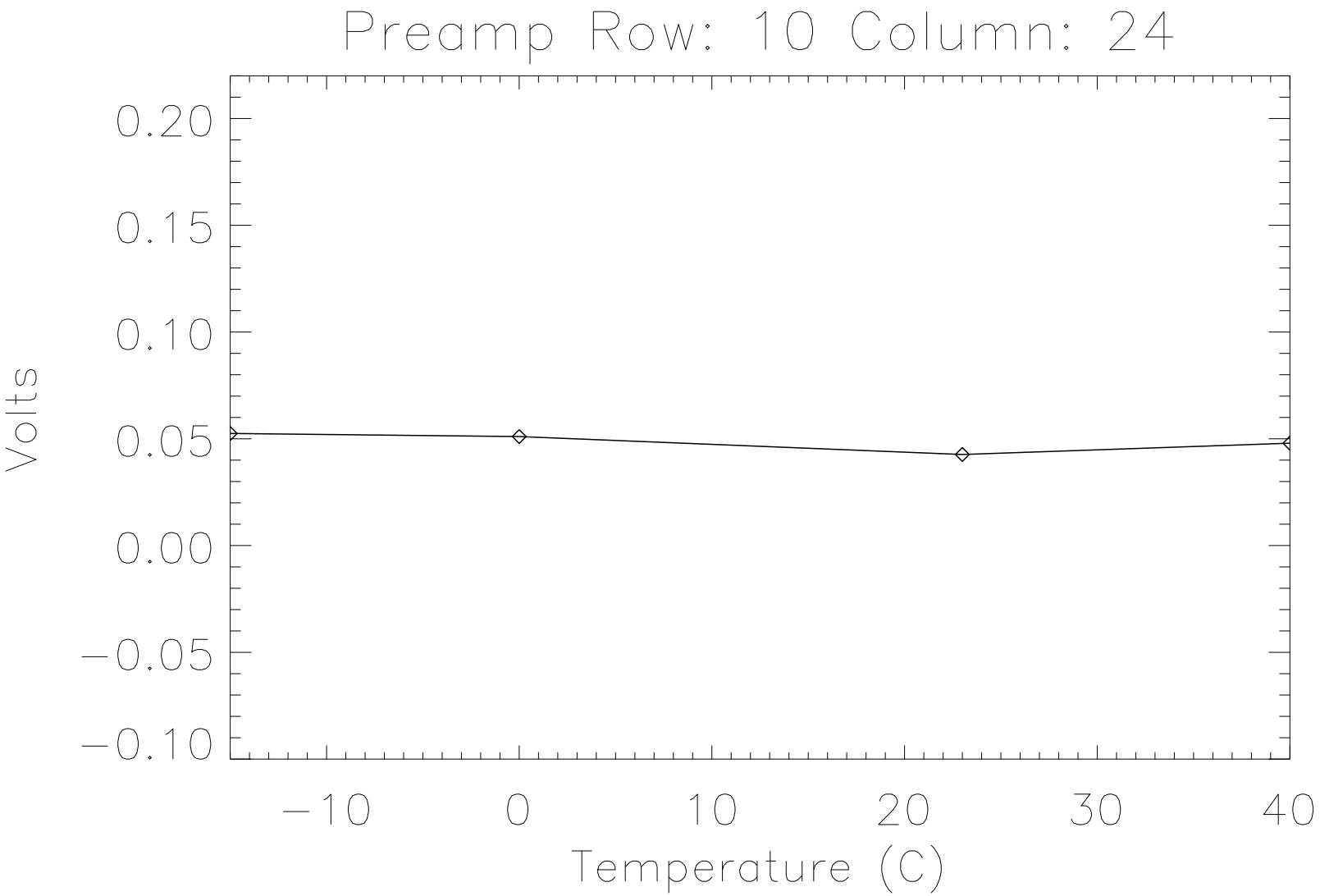
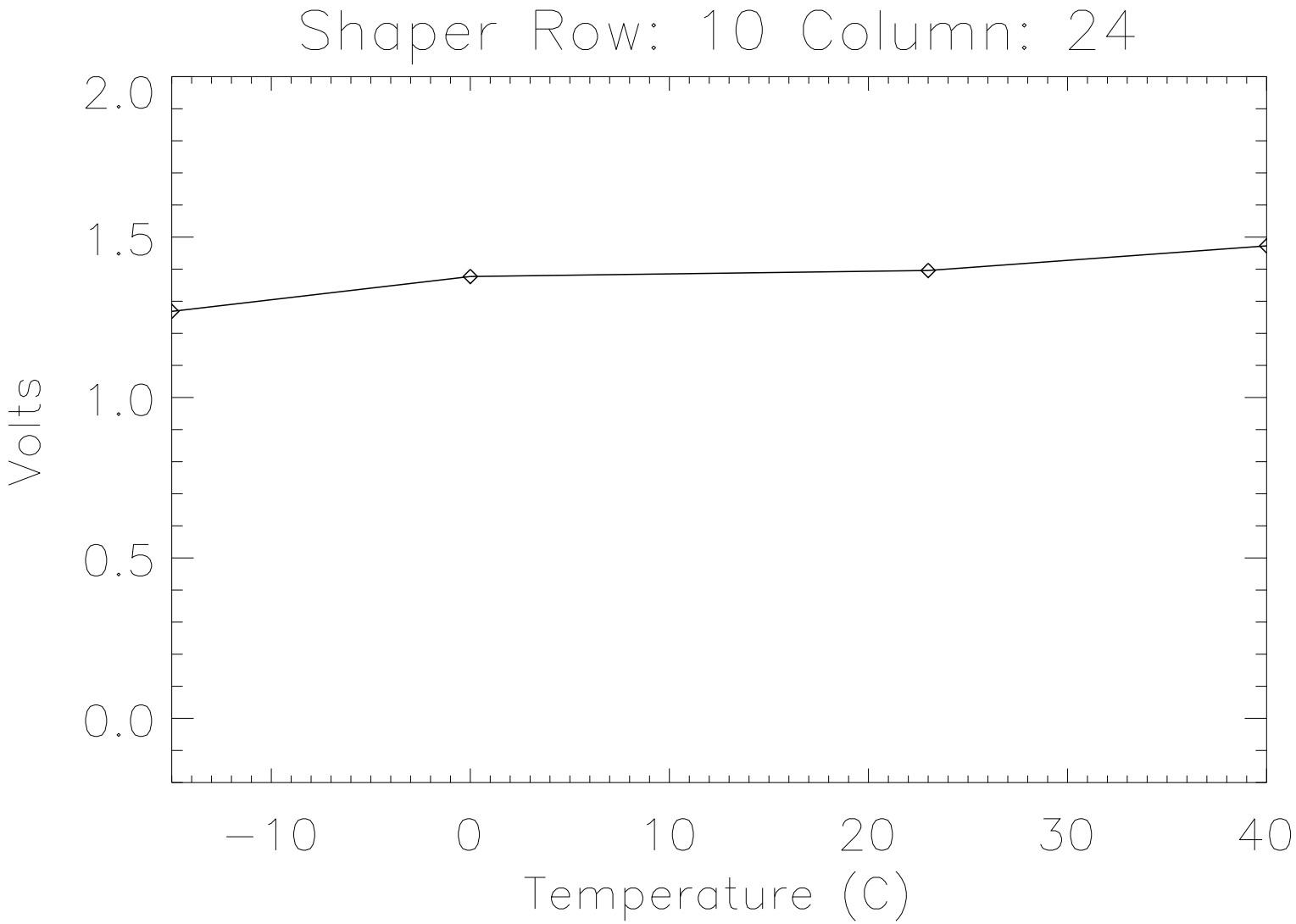
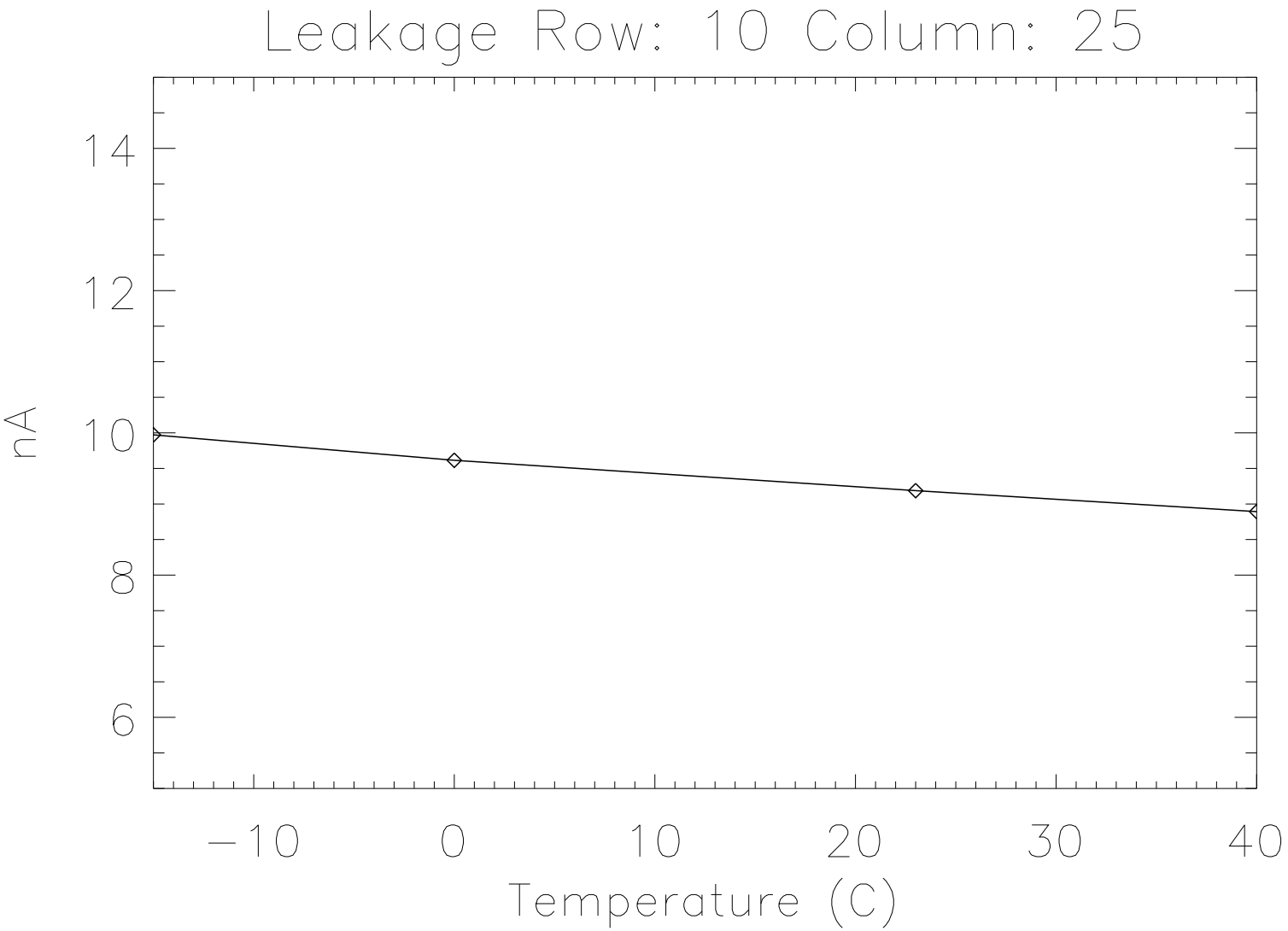
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

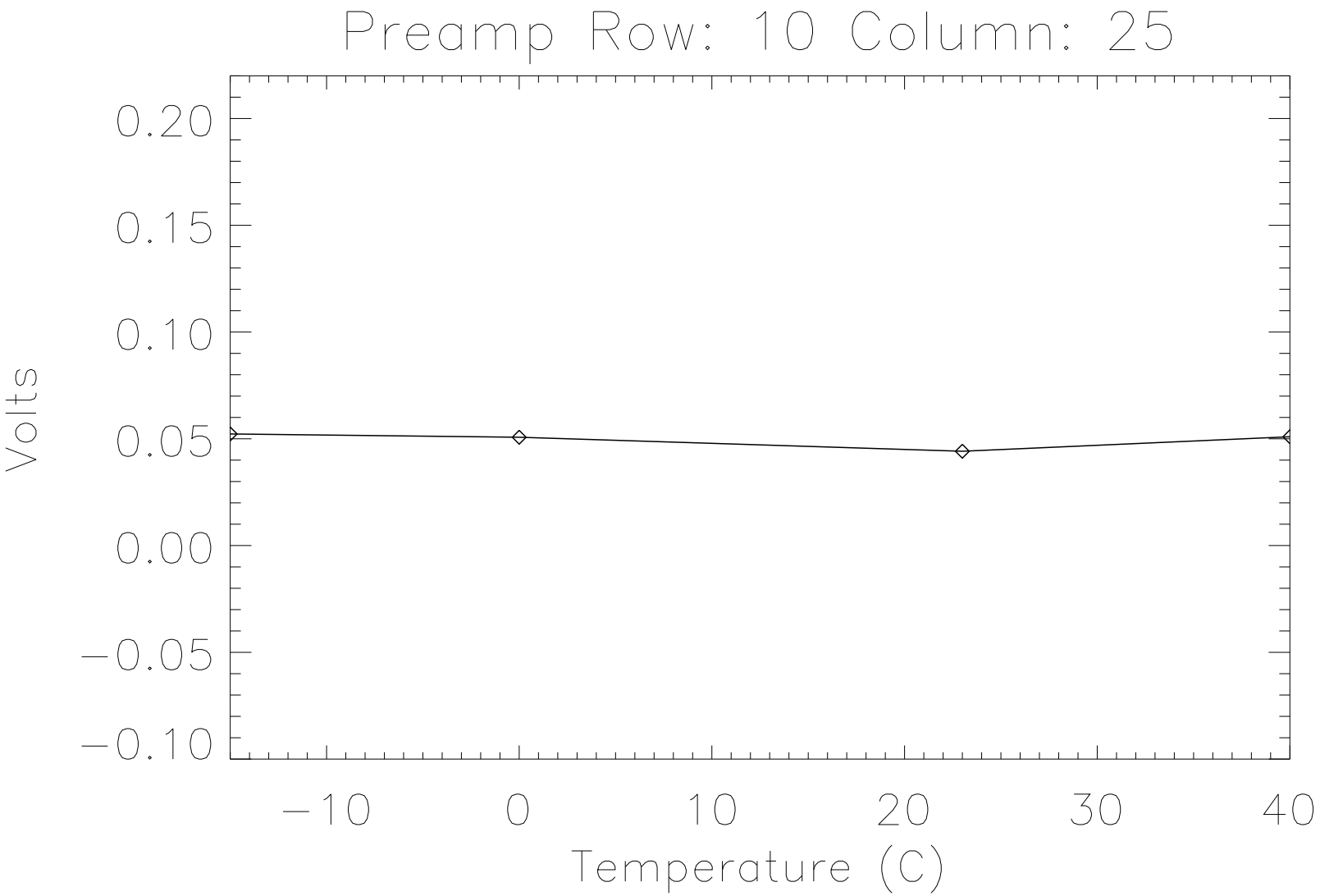

Shaper Row: 10 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

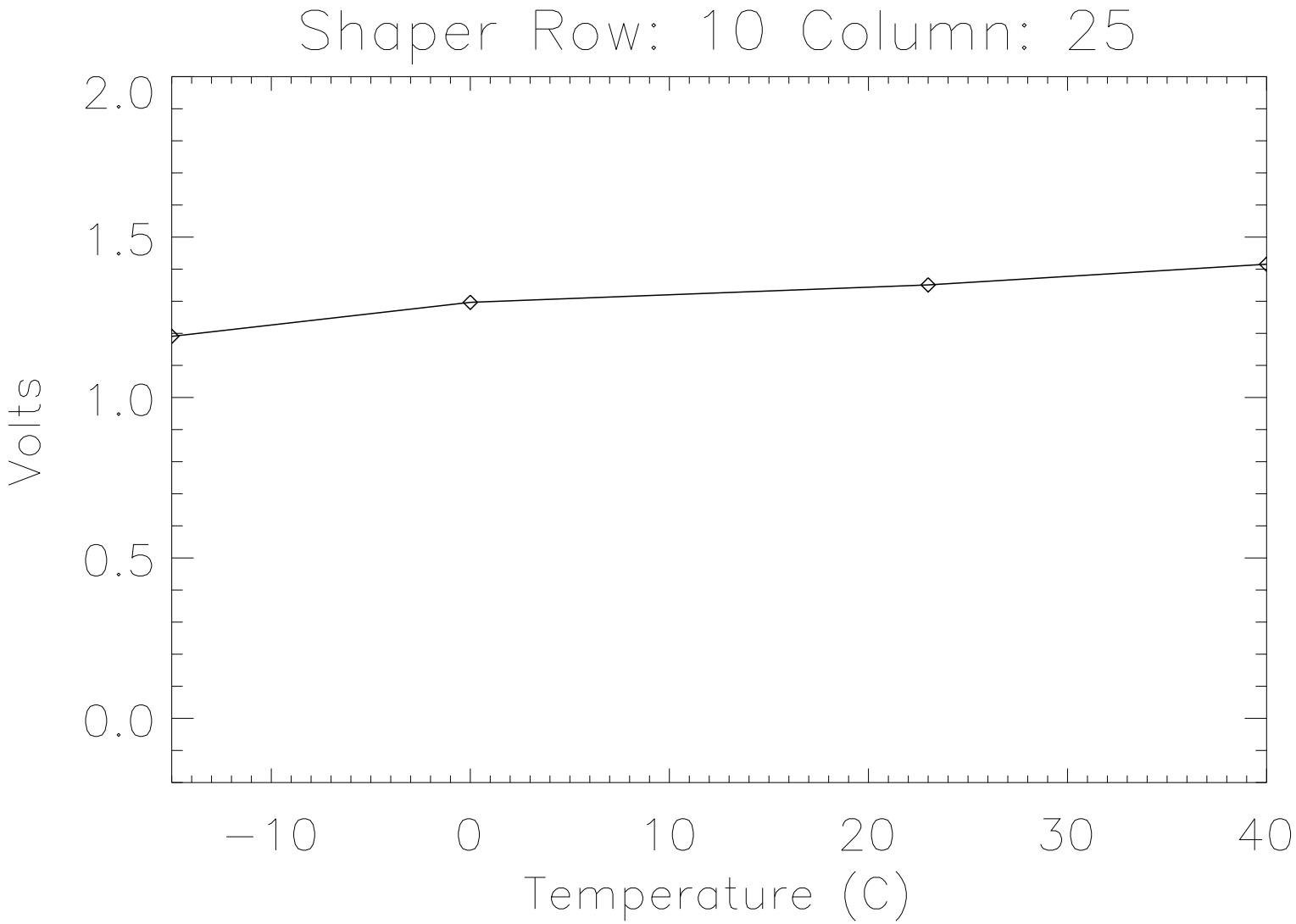

Leakage Row: 10 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

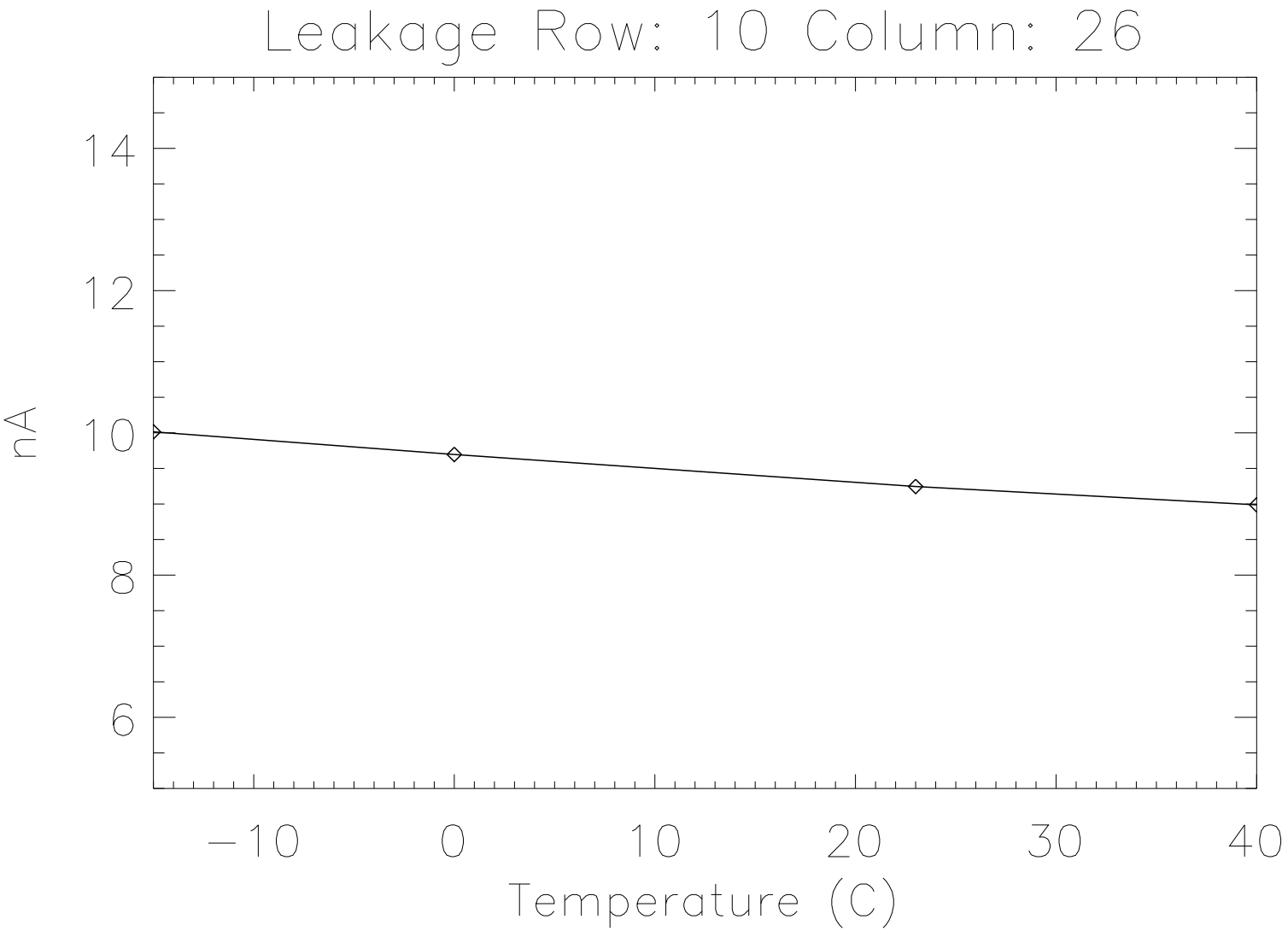

Preamp Row: 10 Column: 24
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

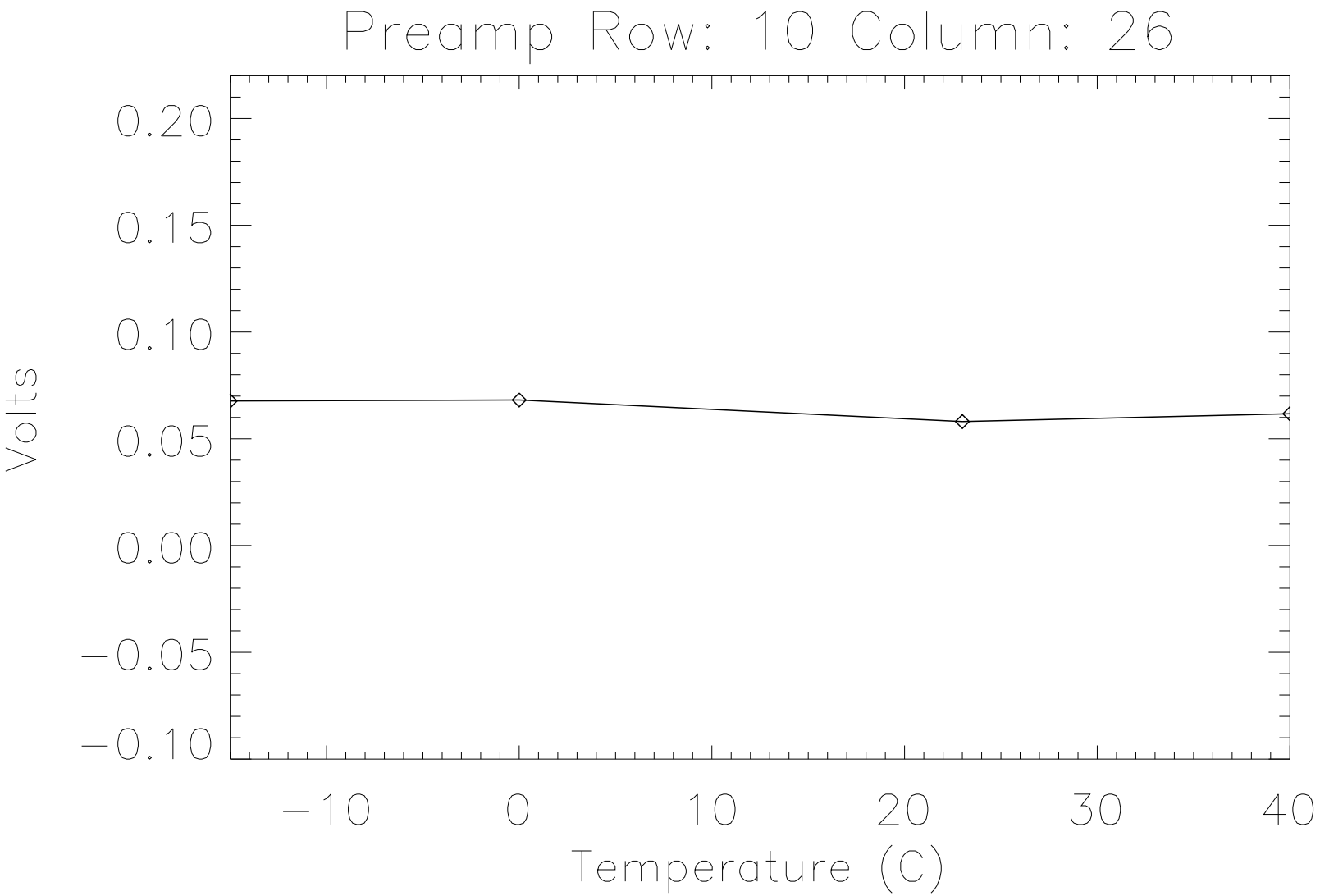

Shaper Row: 10 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

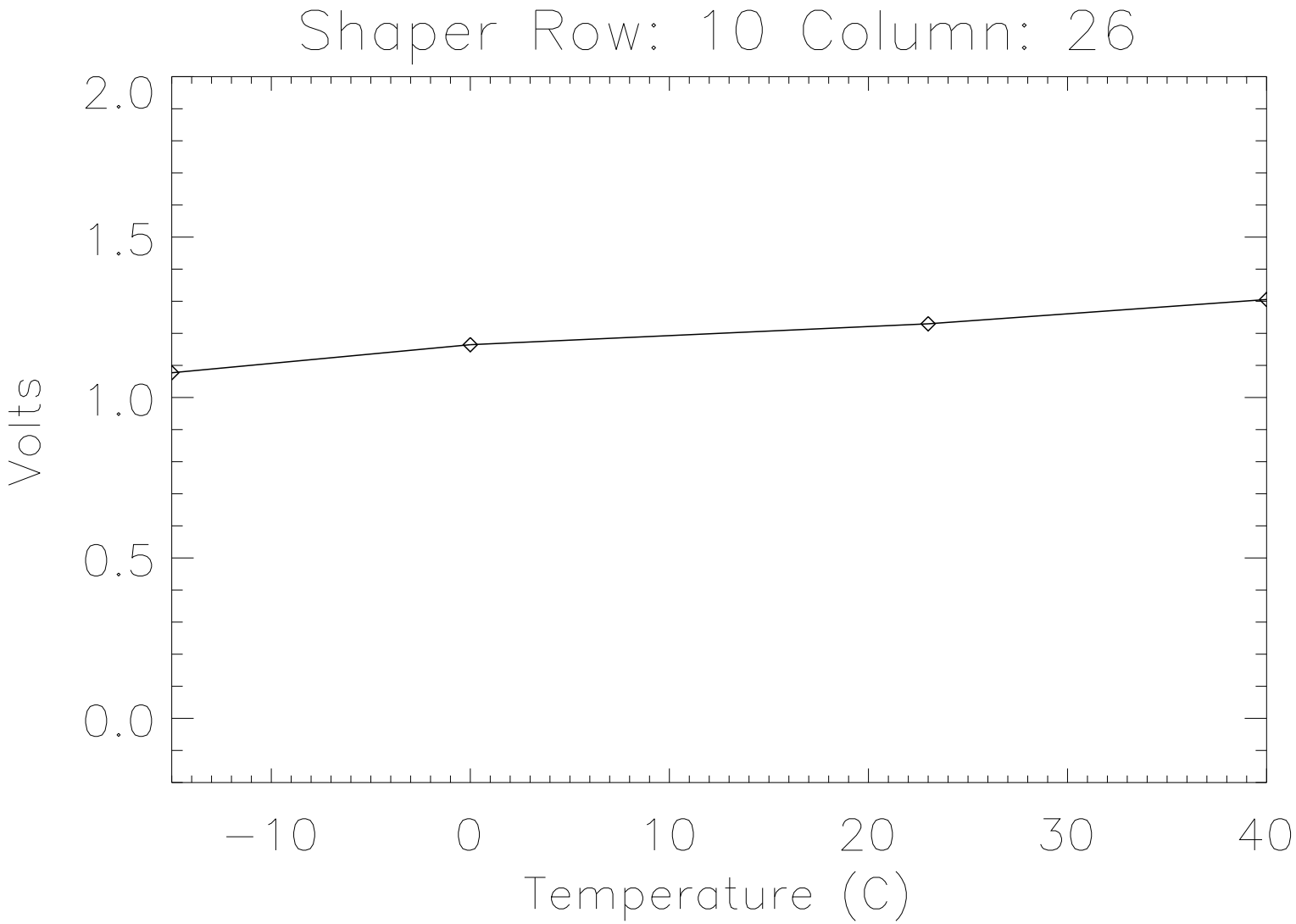

Leakage Row: 10 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

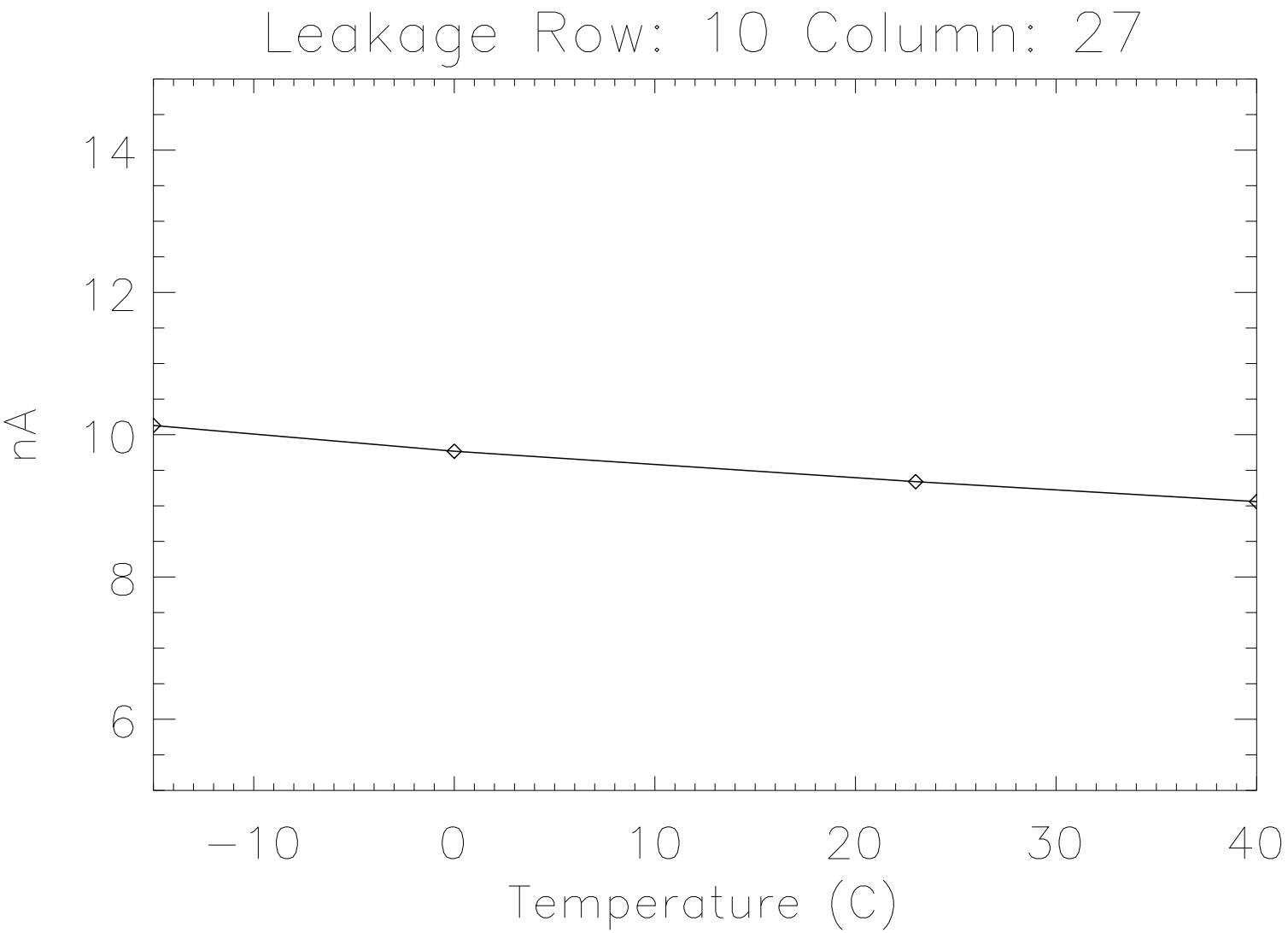

Preamp Row: 10 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

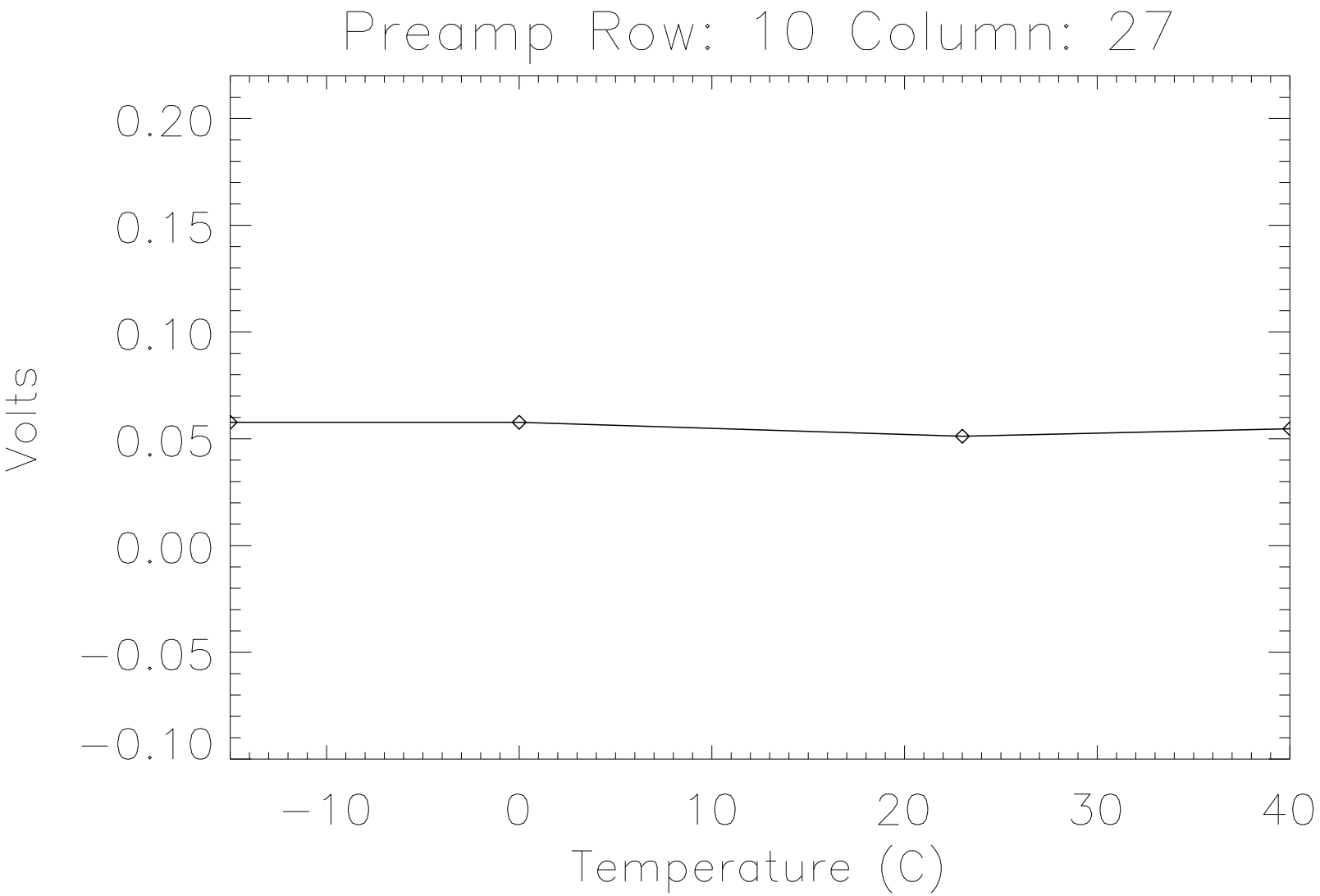

Shaper Row: 10 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

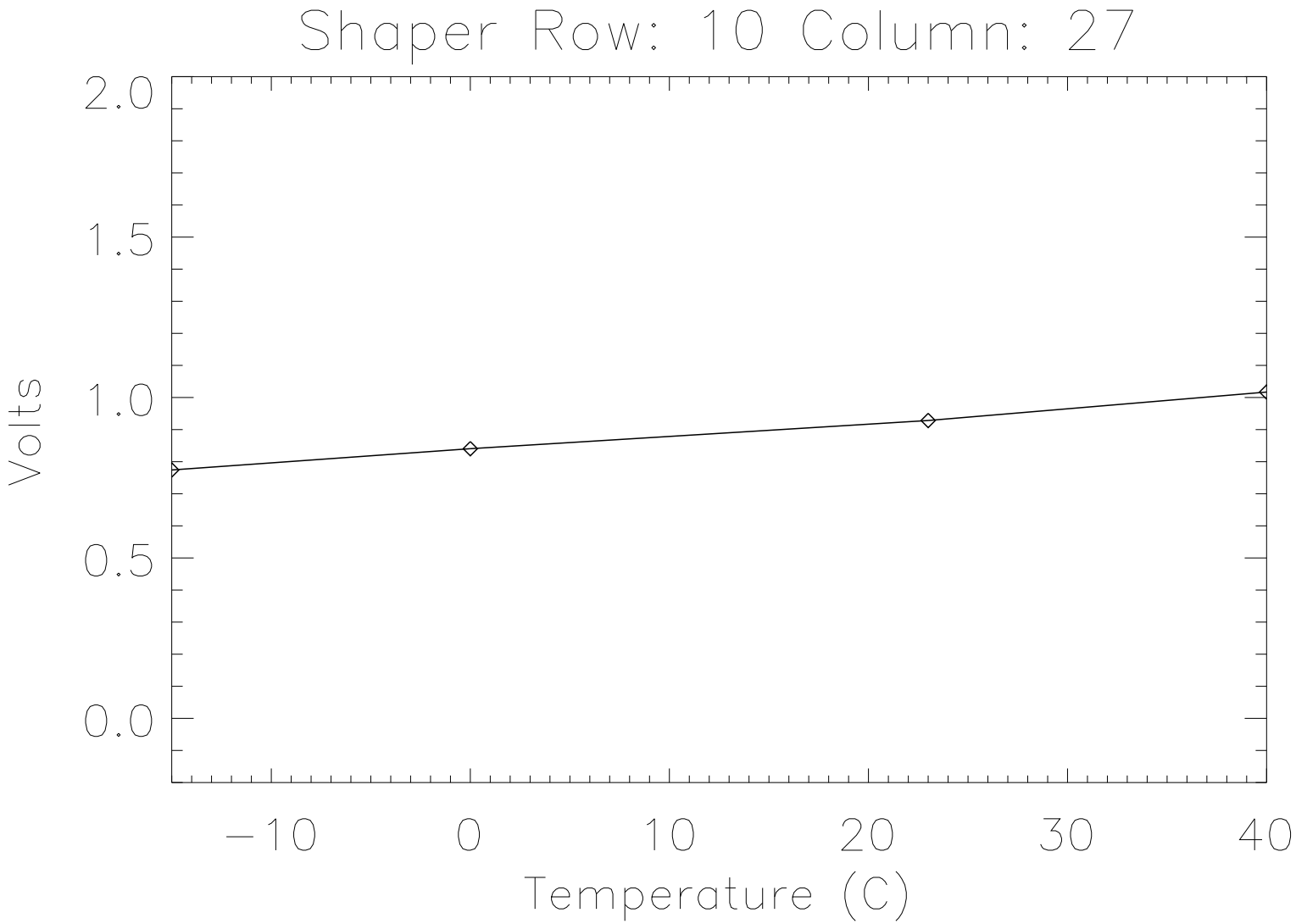

Leakage Row: 10 Column: 26
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

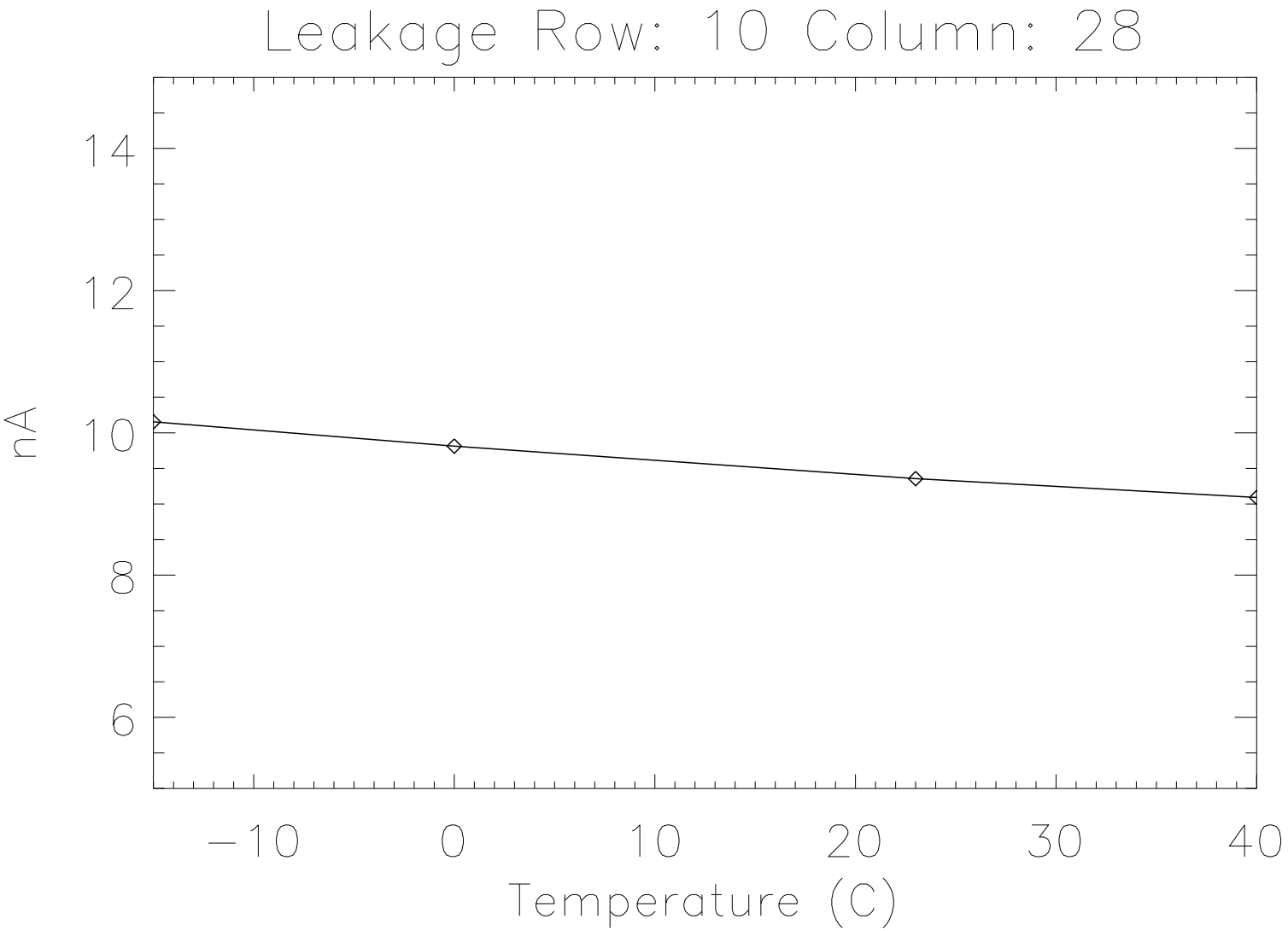

Preamp Row: 10 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

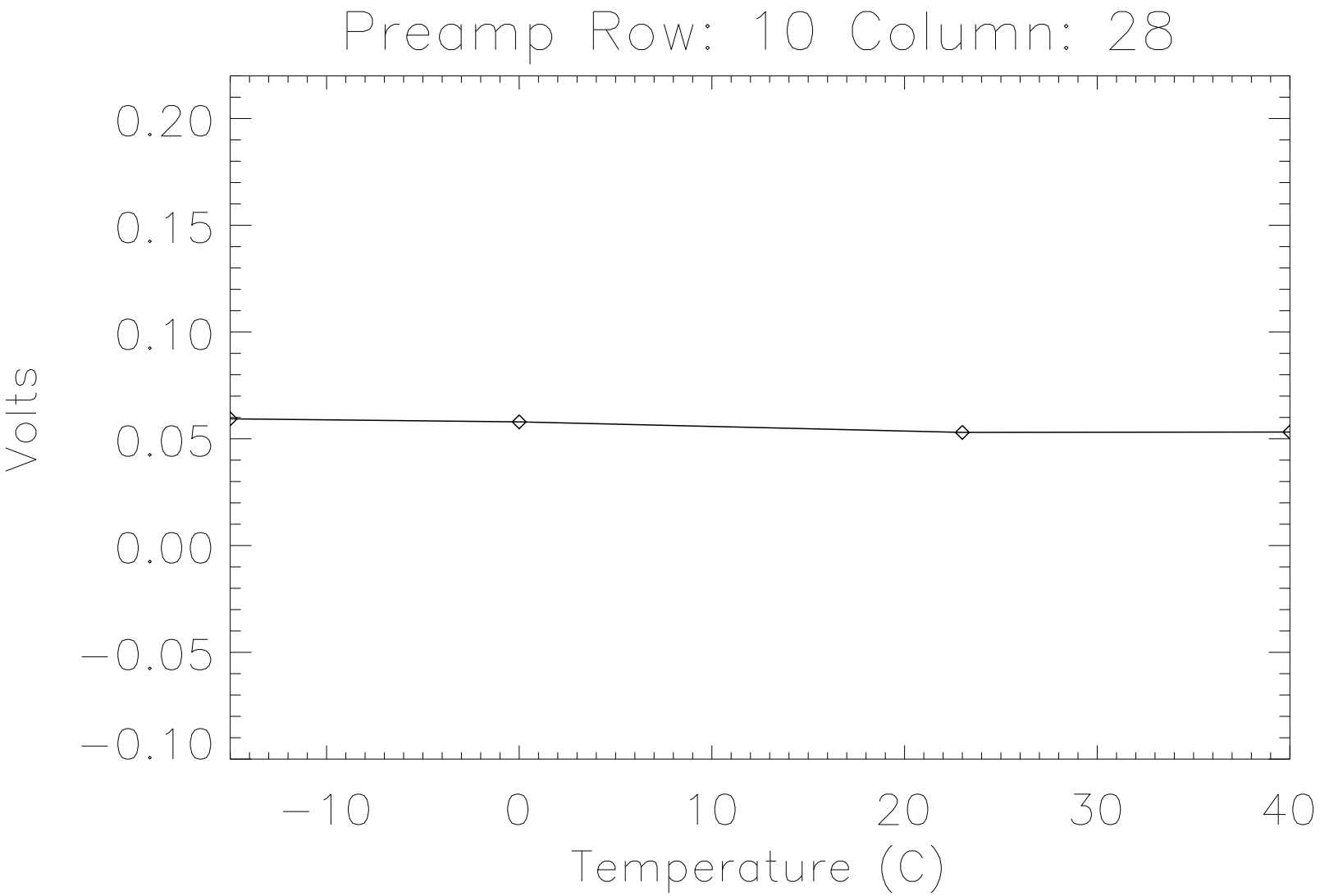

Shaper Row: 10 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

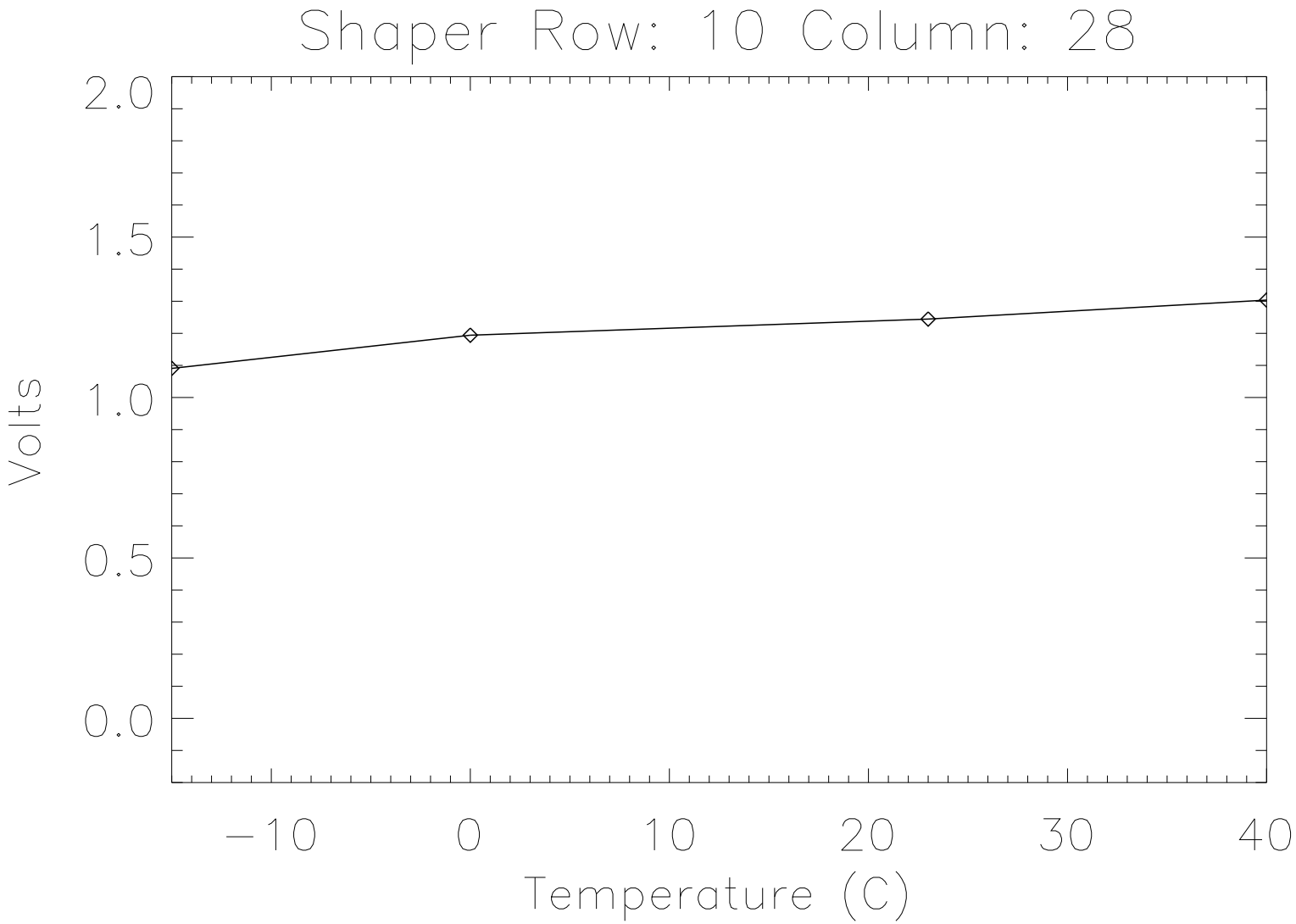

Leakage Row: 10 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

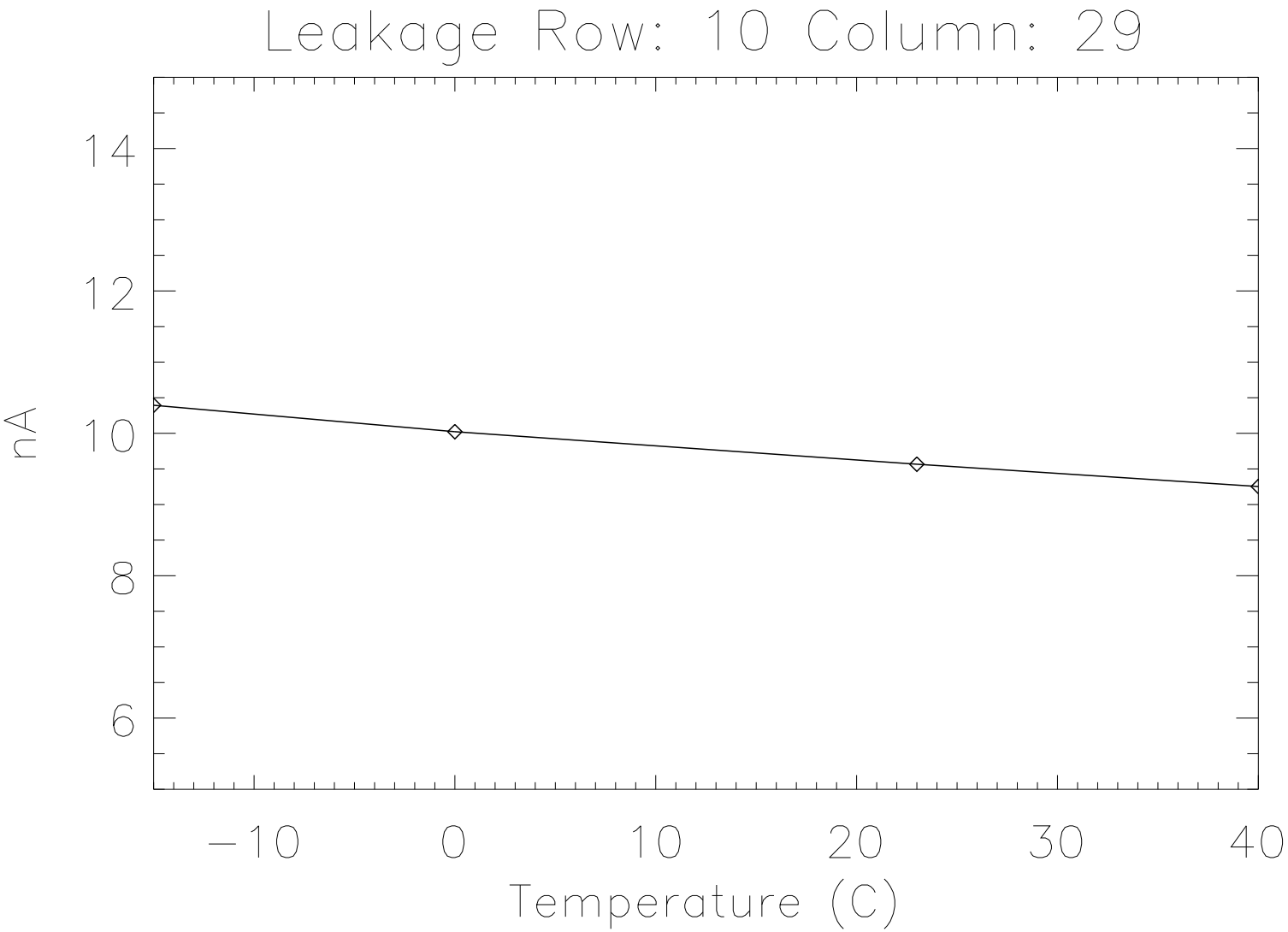

Preamp Row: 10 Column: 27
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

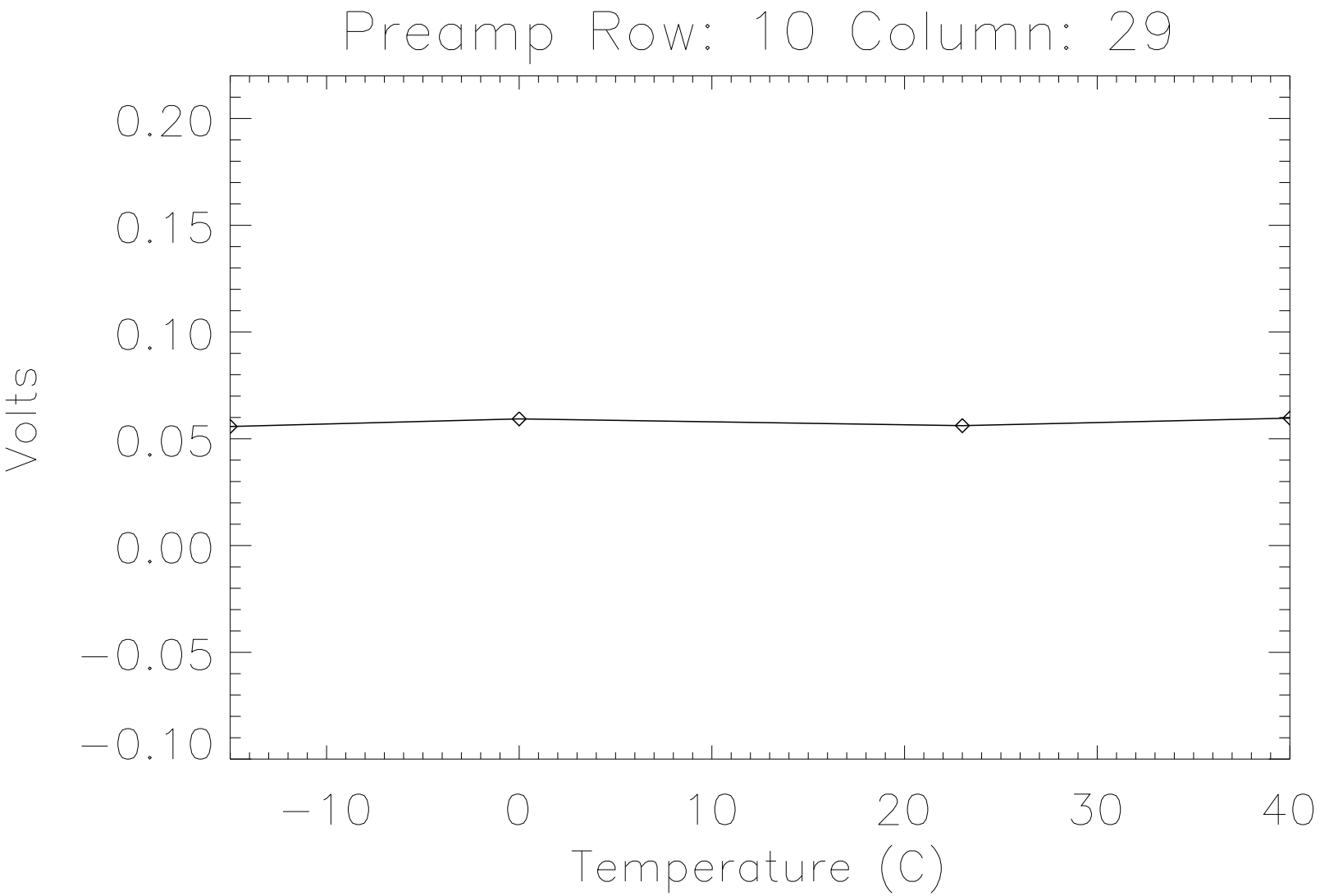

Shaper Row: 10 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

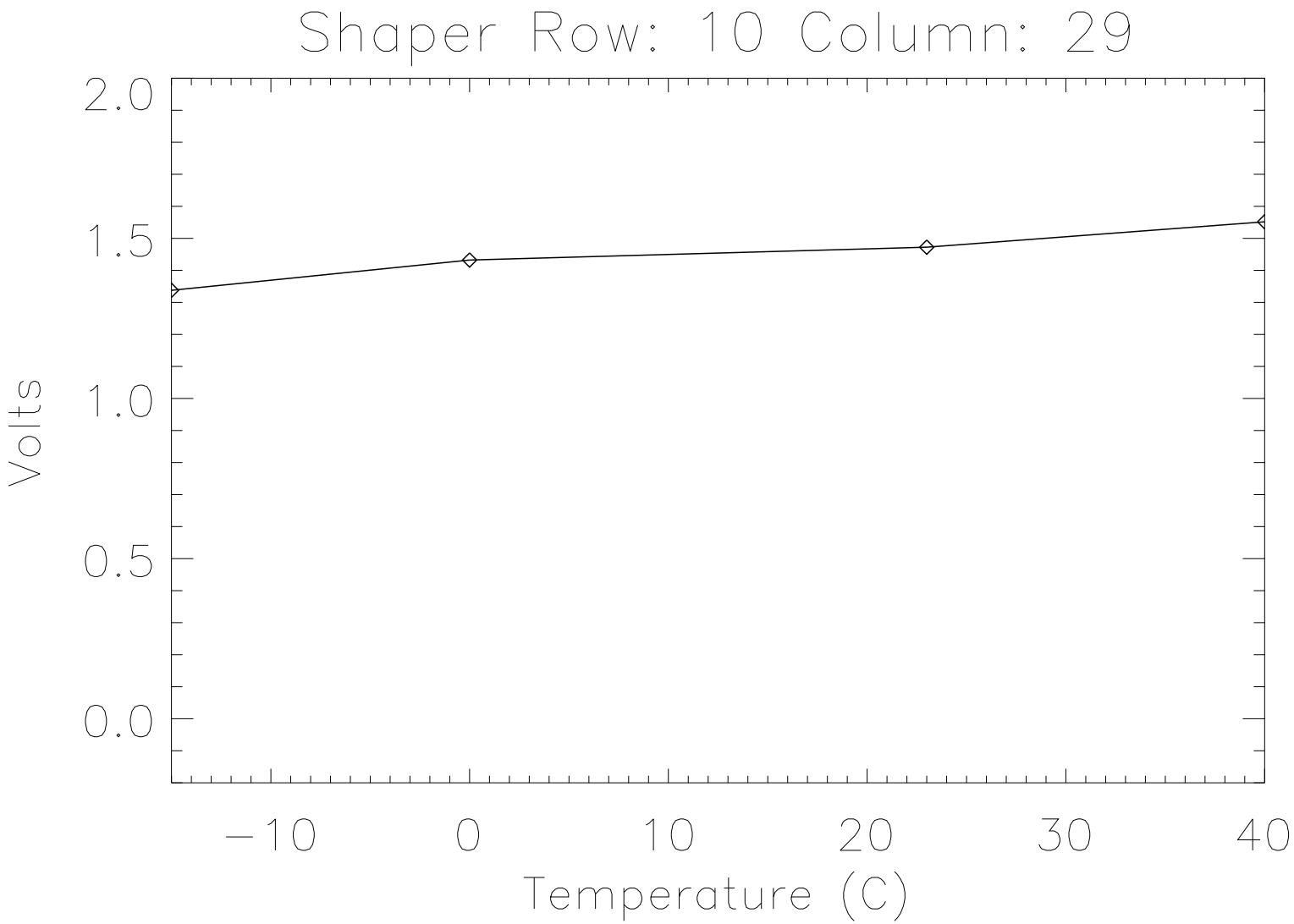

Leakage Row: 10 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

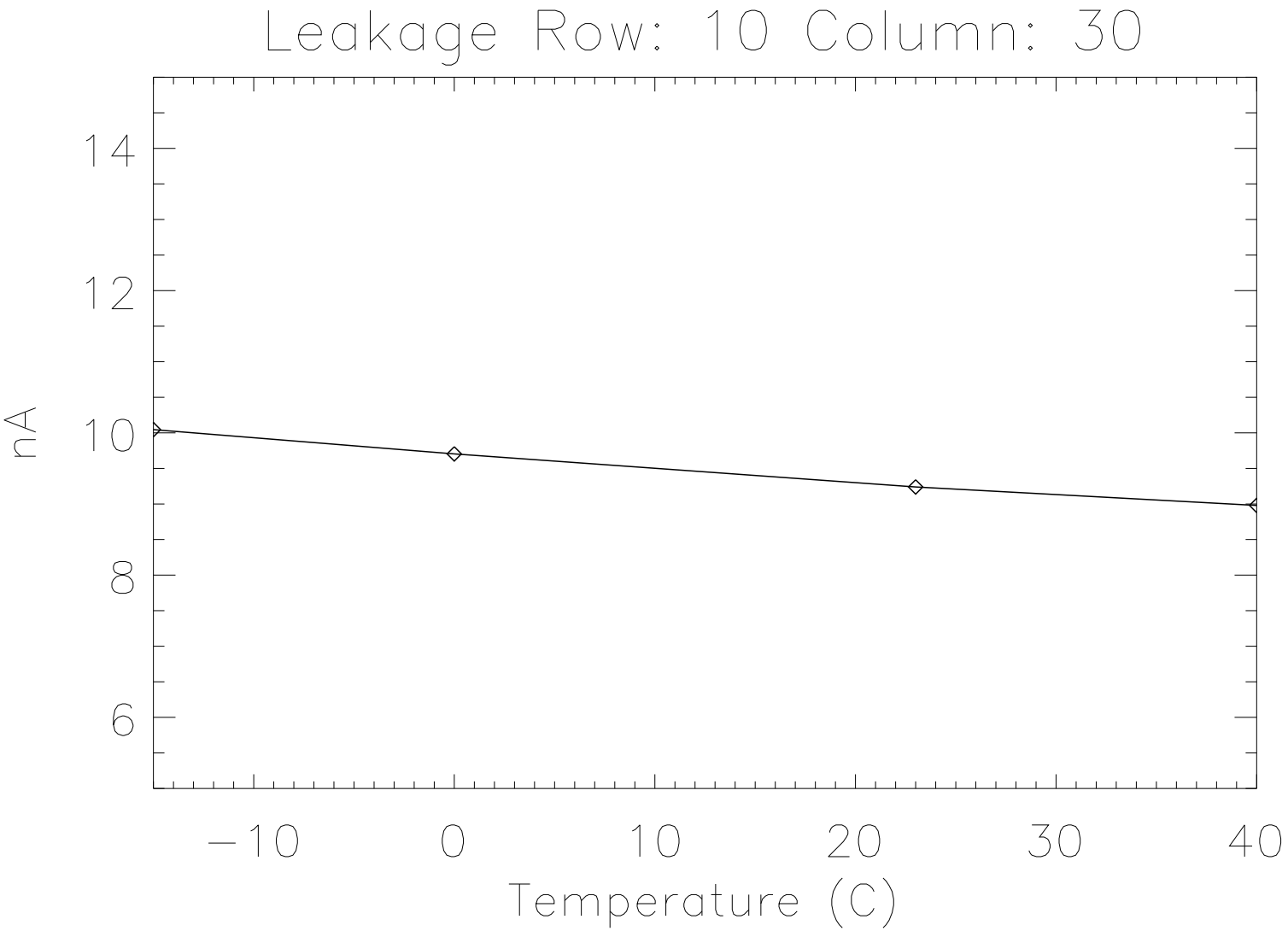

Preamp Row: 10 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

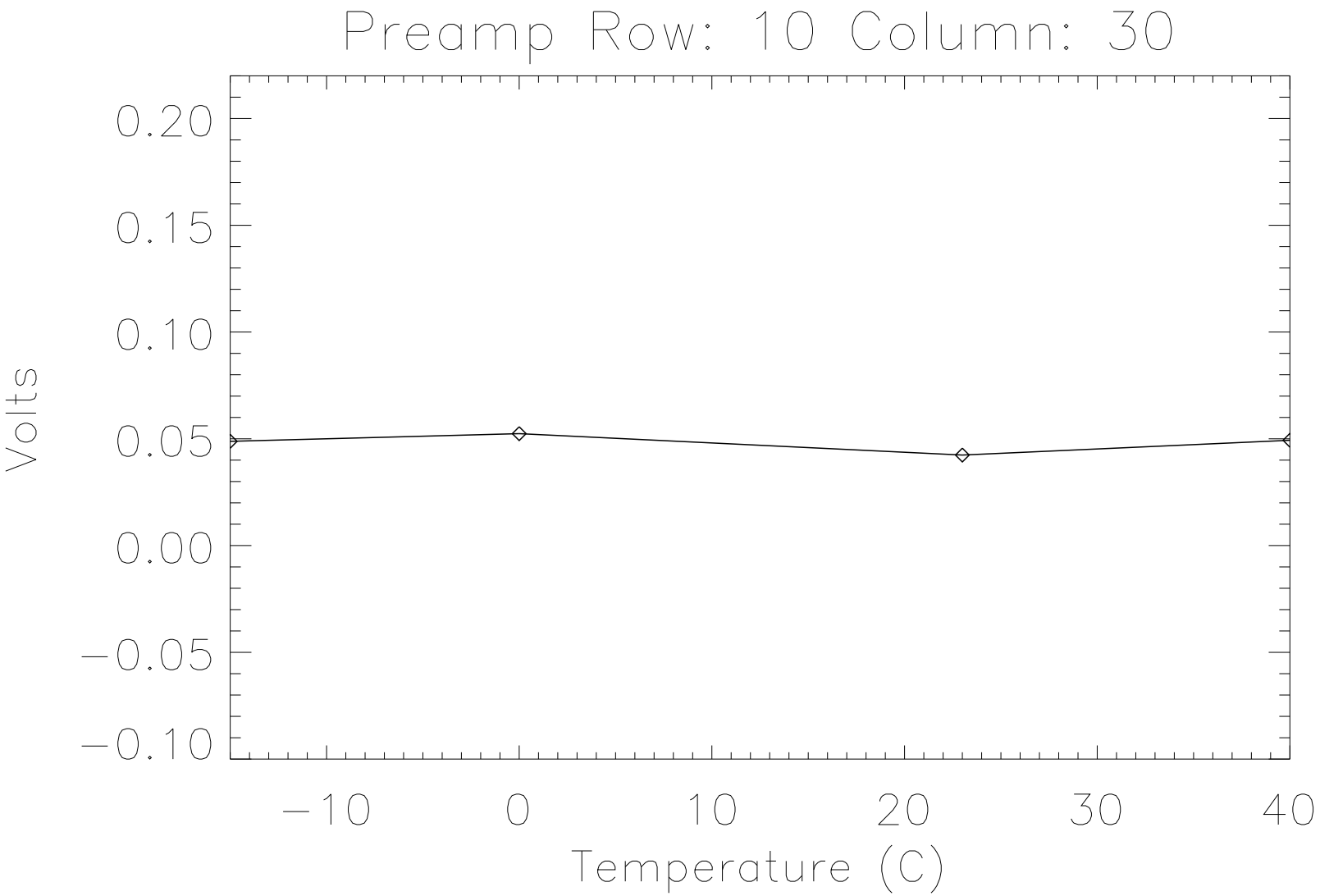

Shaper Row: 10 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

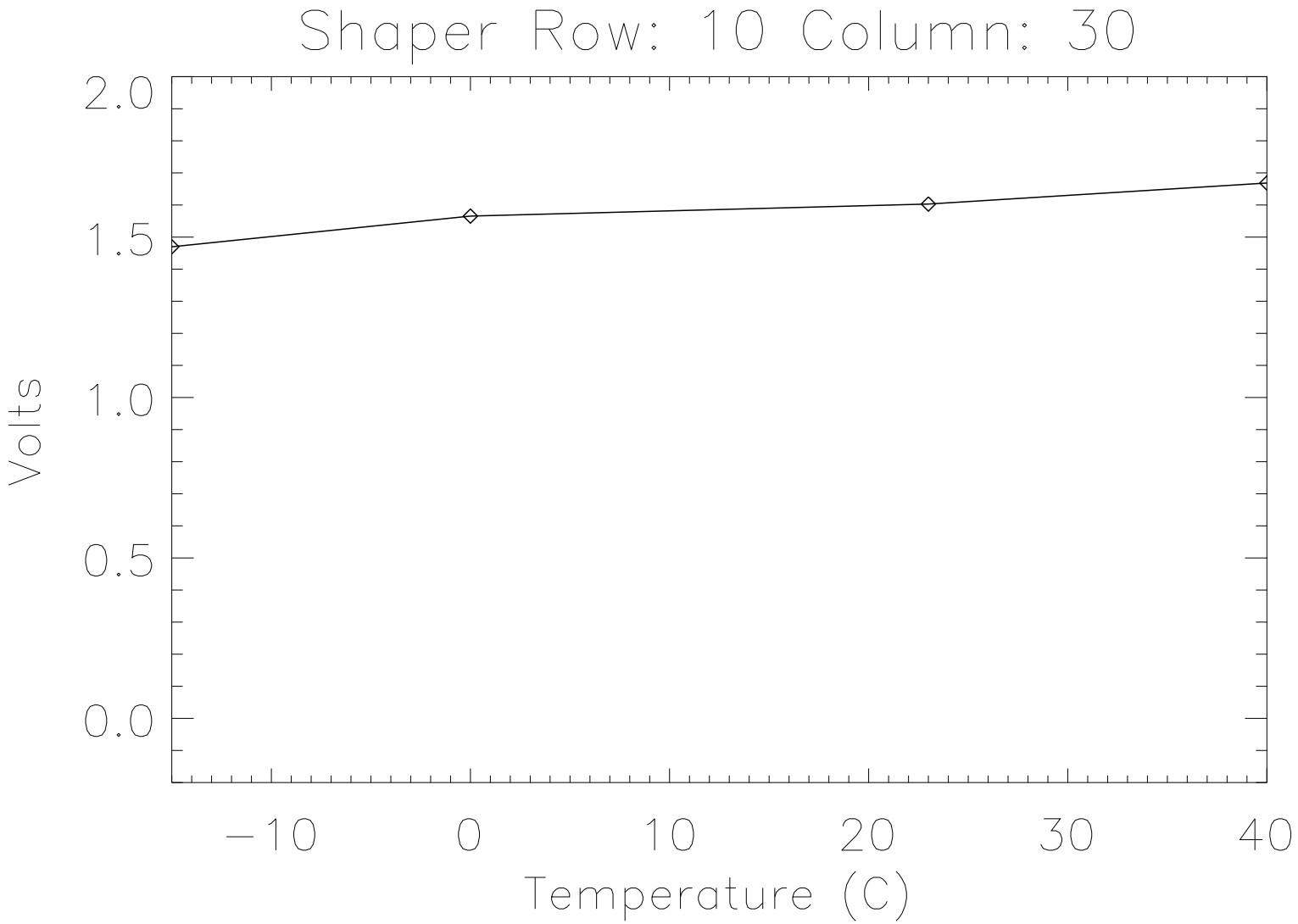

Leakage Row: 10 Column: 29
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

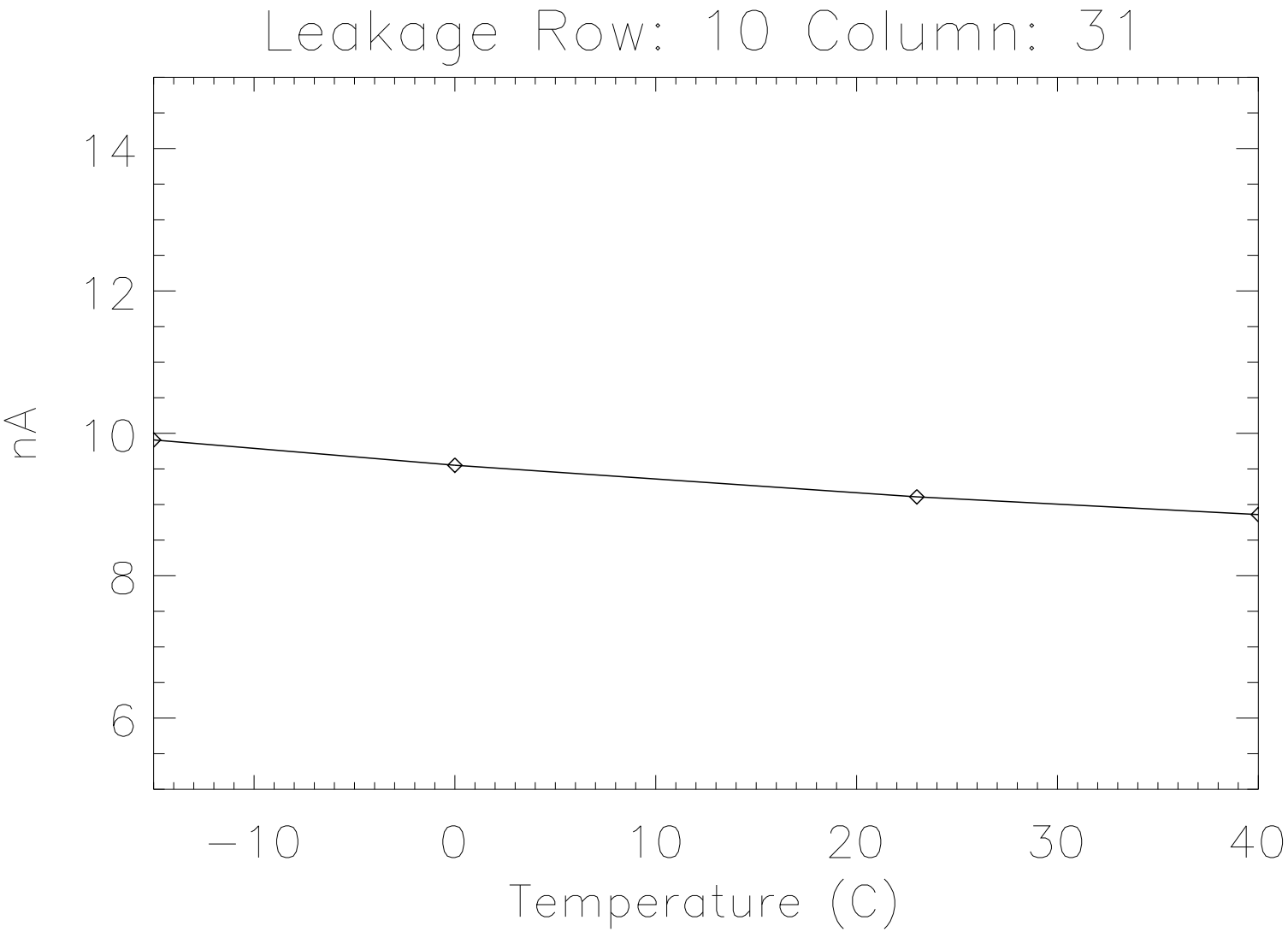

Preamp Row: 10 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

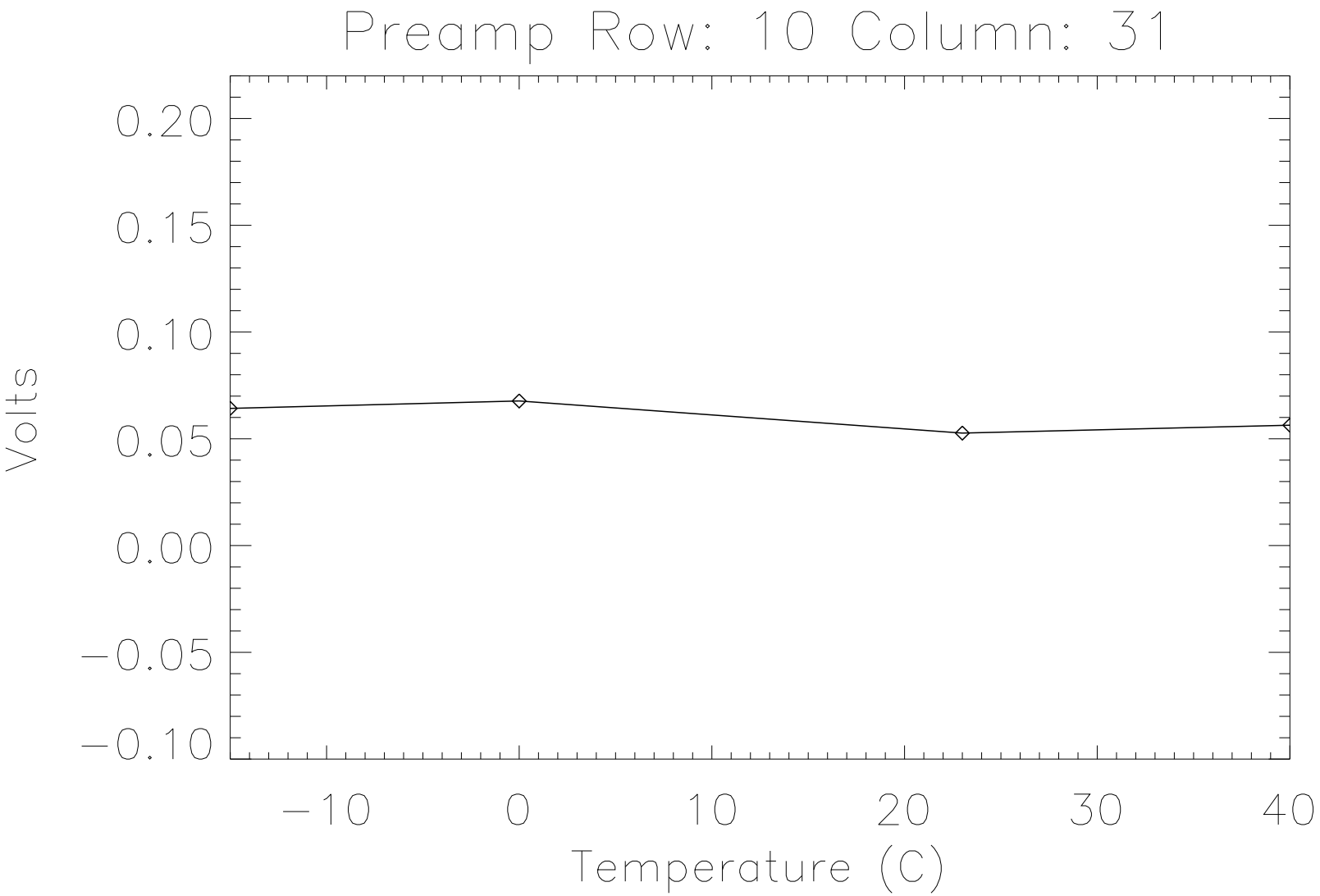

Shaper Row: 10 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

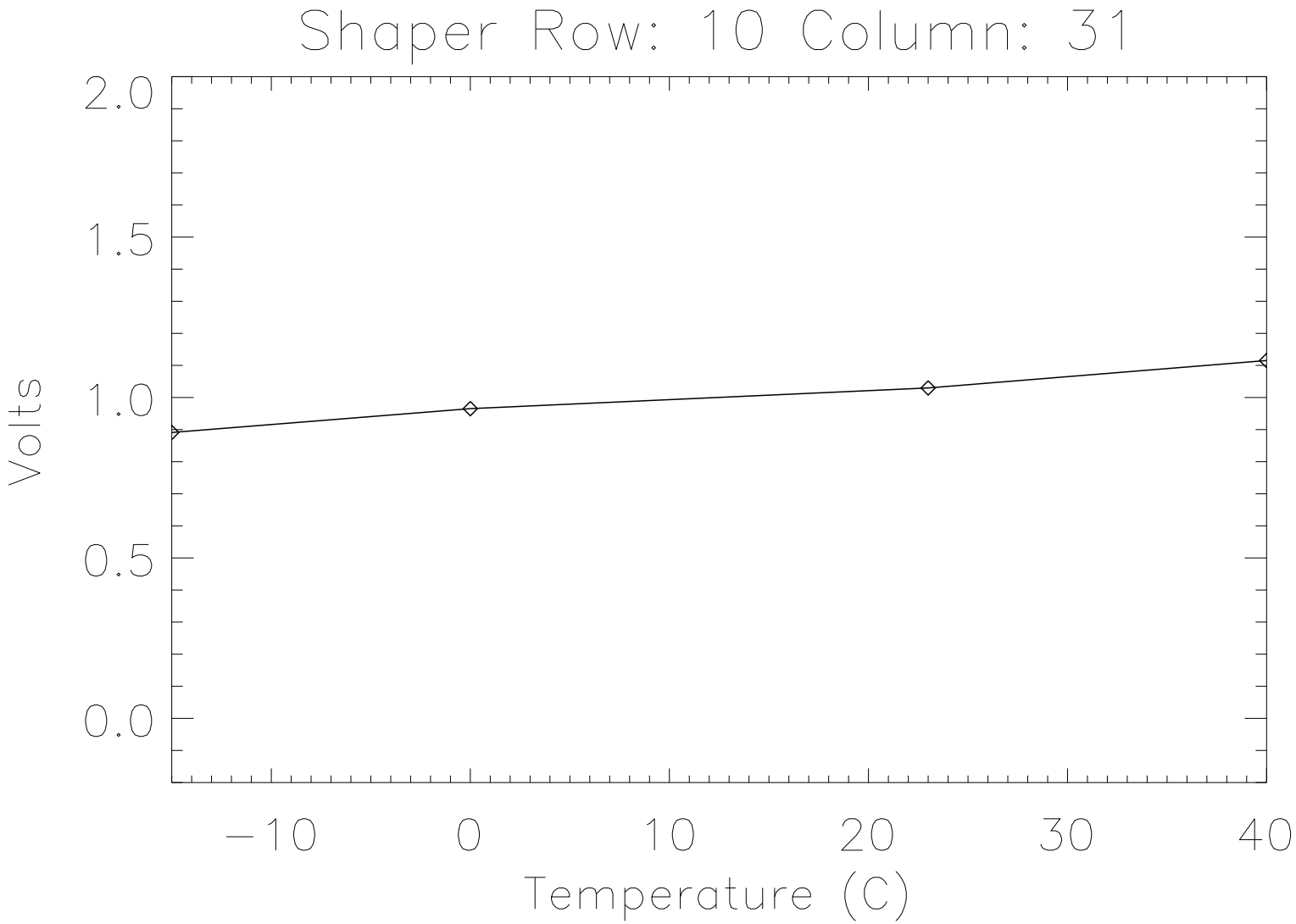

Leakage Row: 10 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

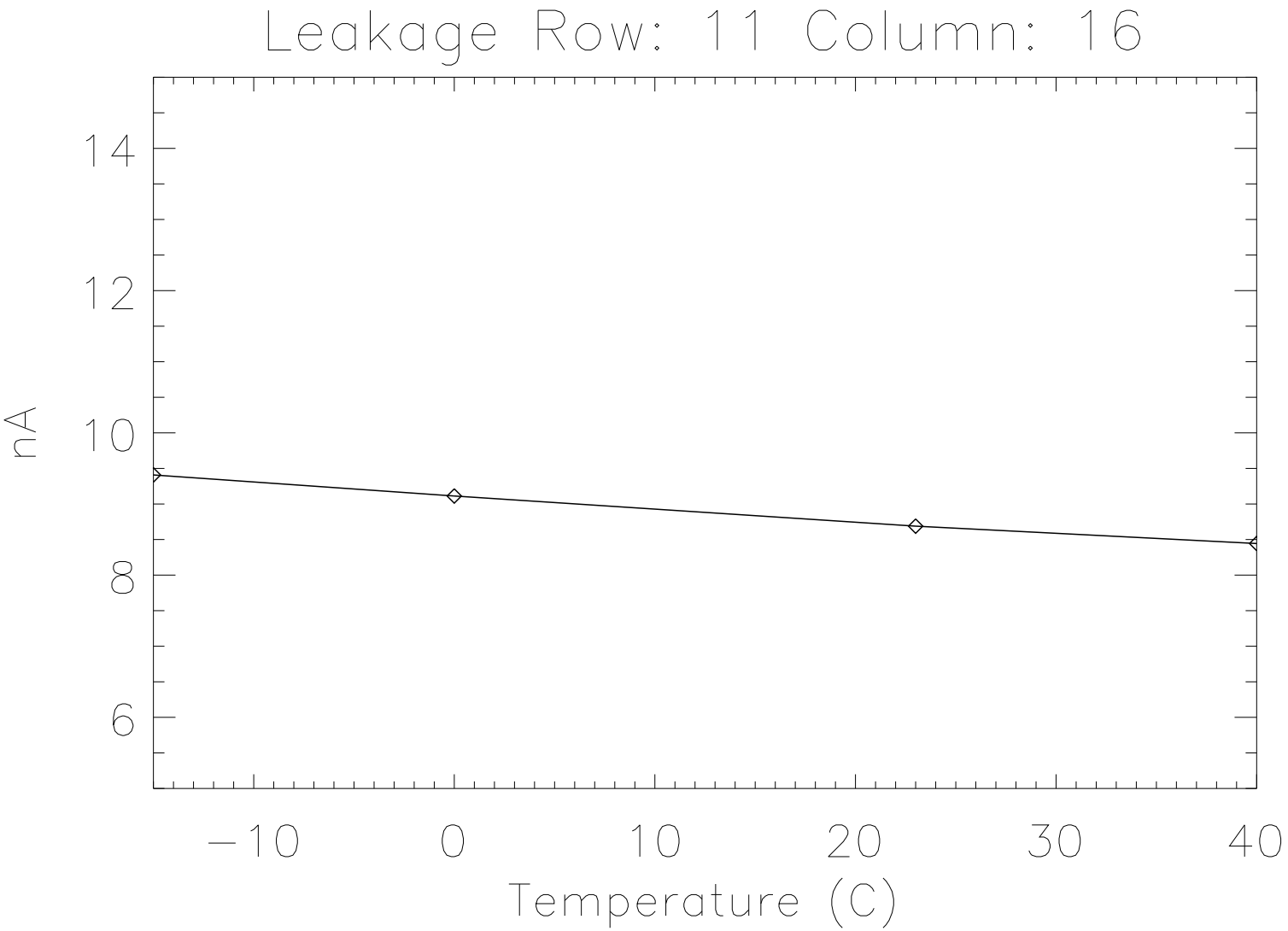

Preamp Row: 10 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

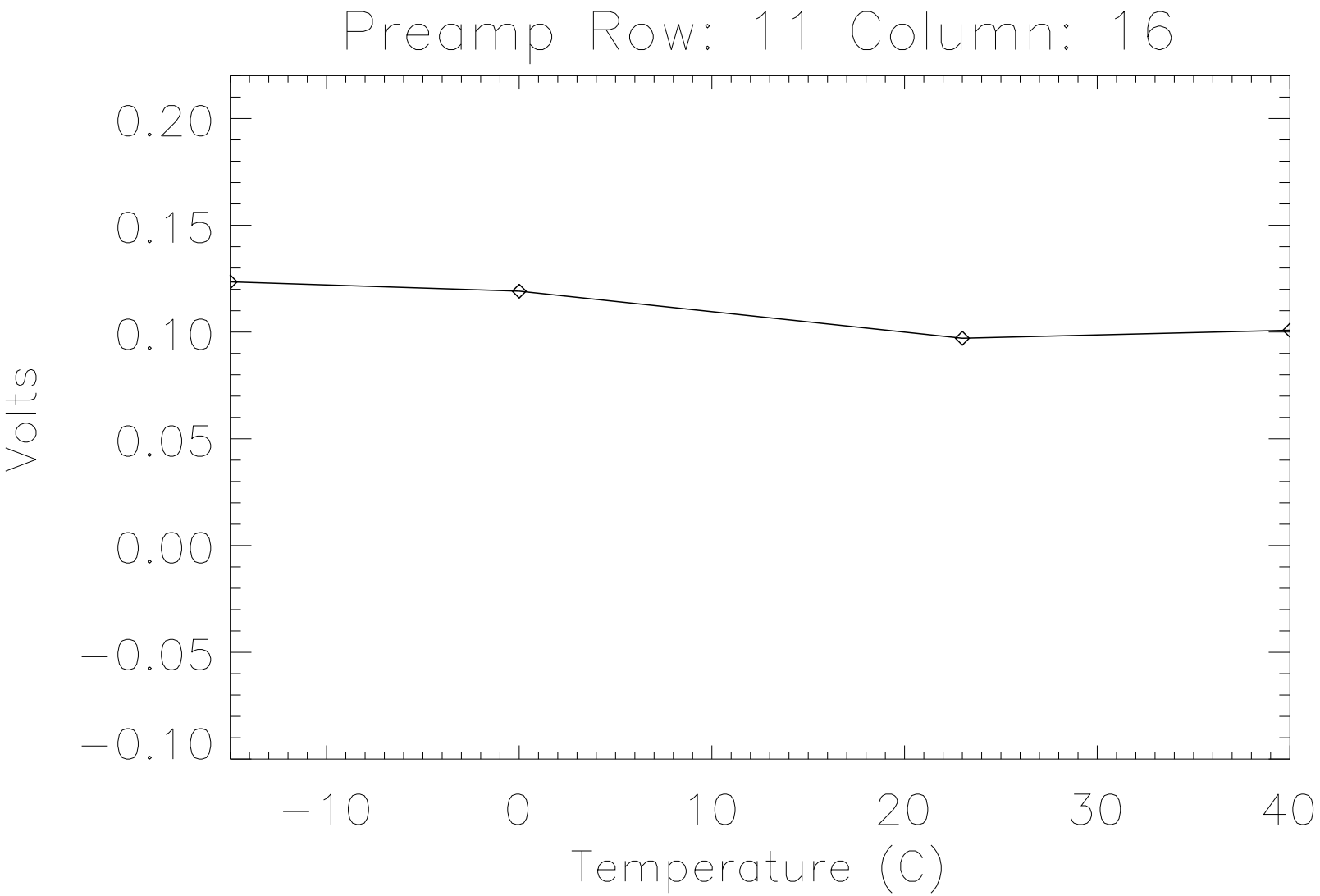

Shaper Row: 10 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 10 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 10 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 10 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 11 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 11 Column: 16
0.20
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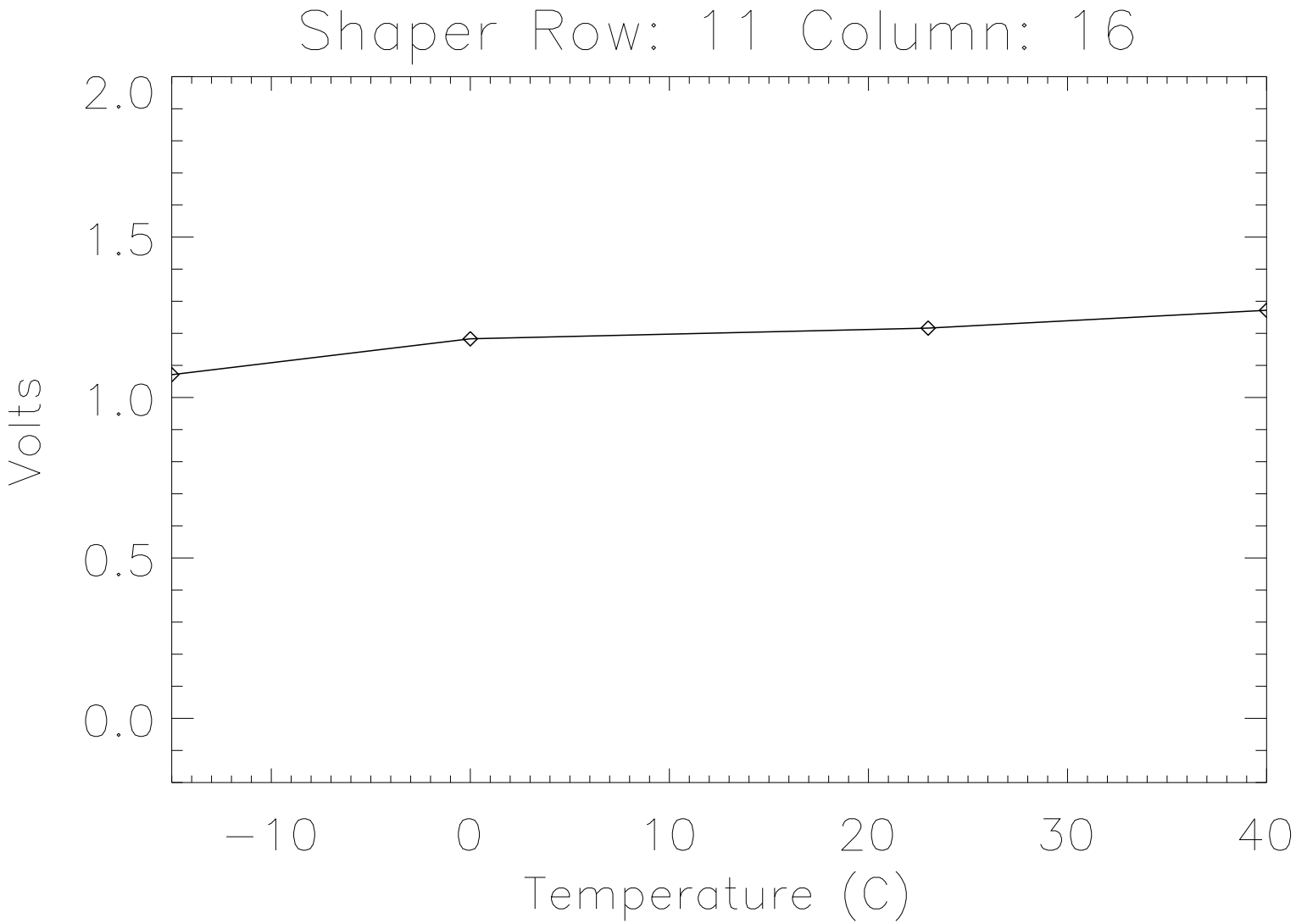
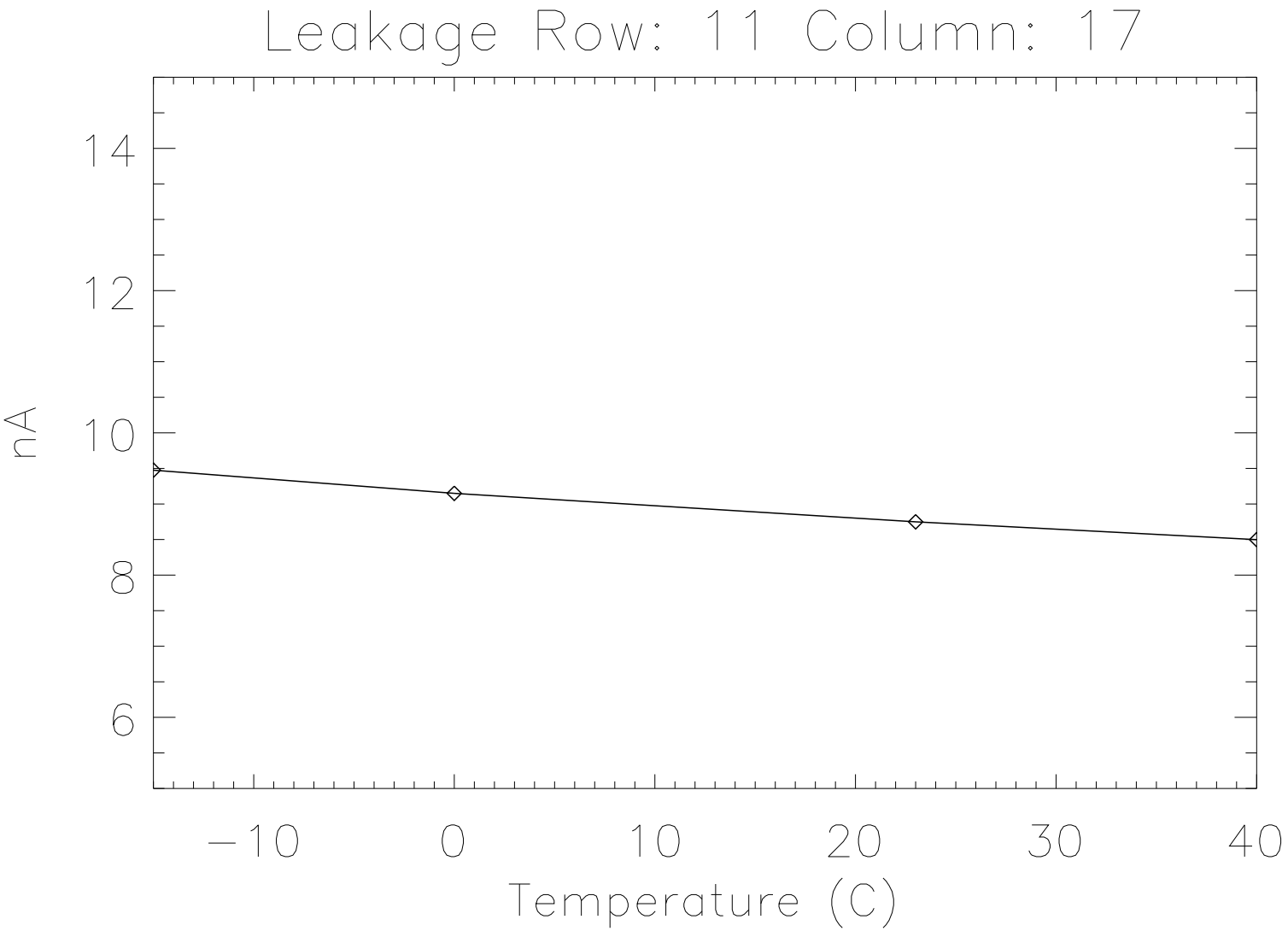
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 11 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 11 Column: 17
nA
14
12
10
8
6
−10
0
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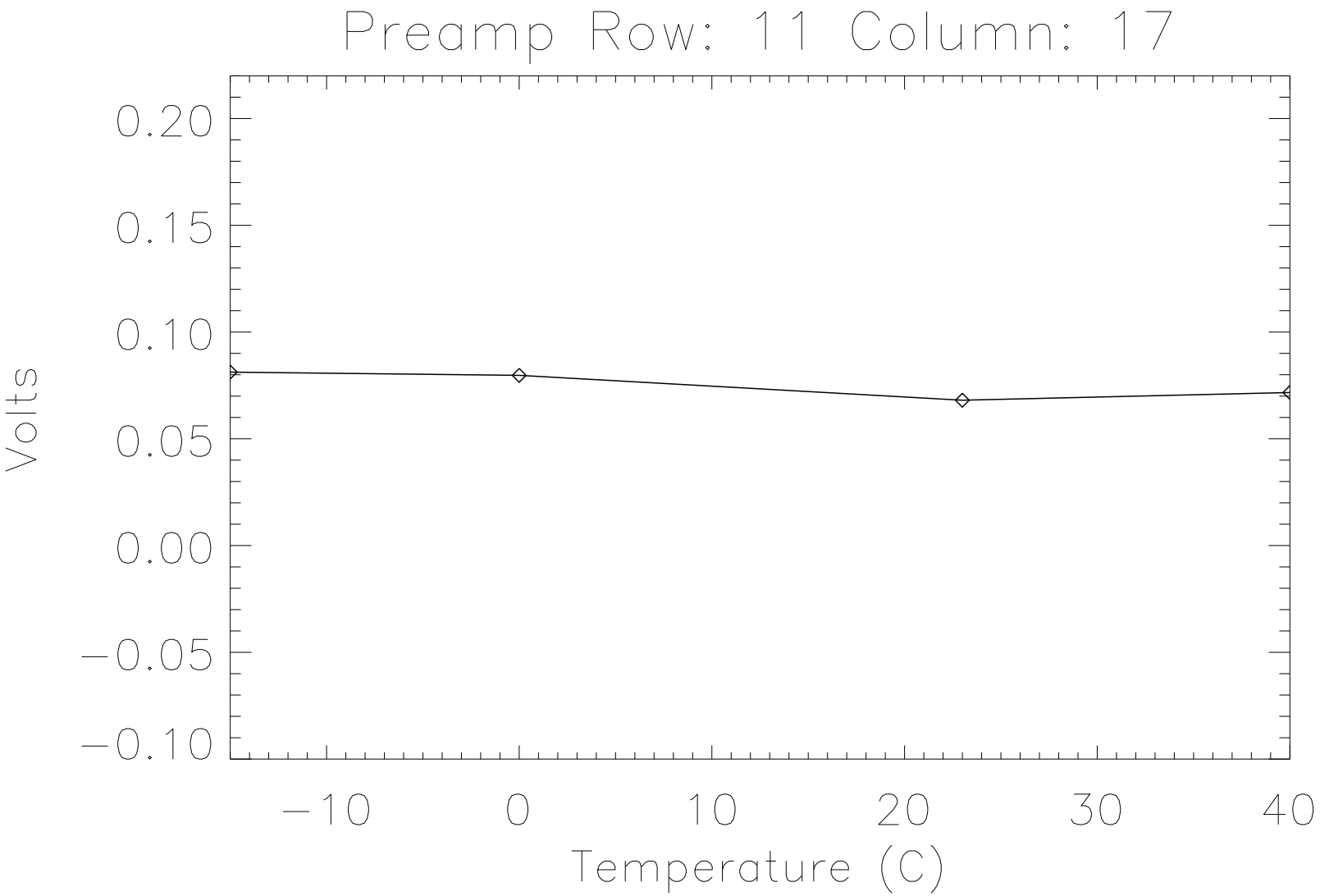
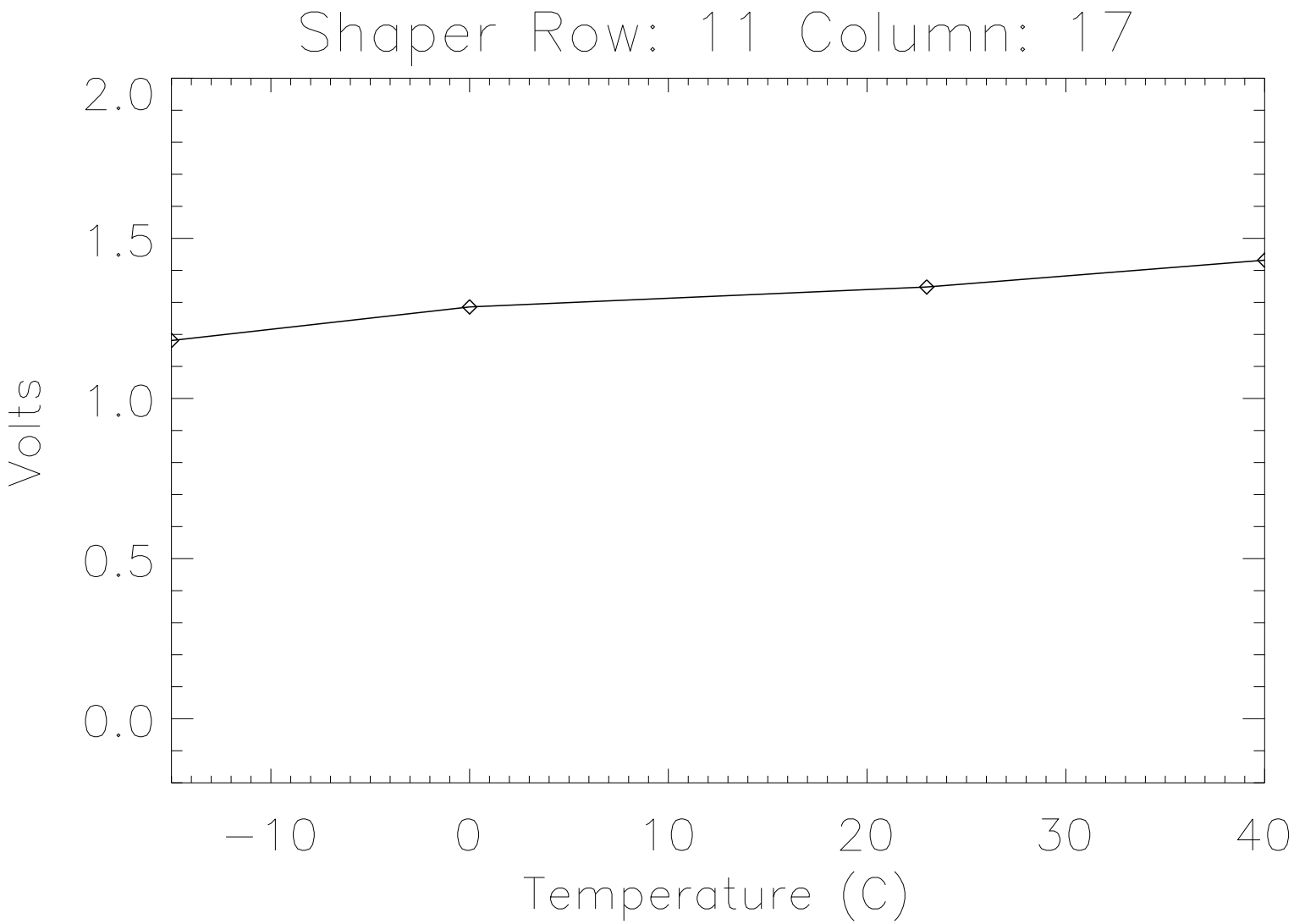
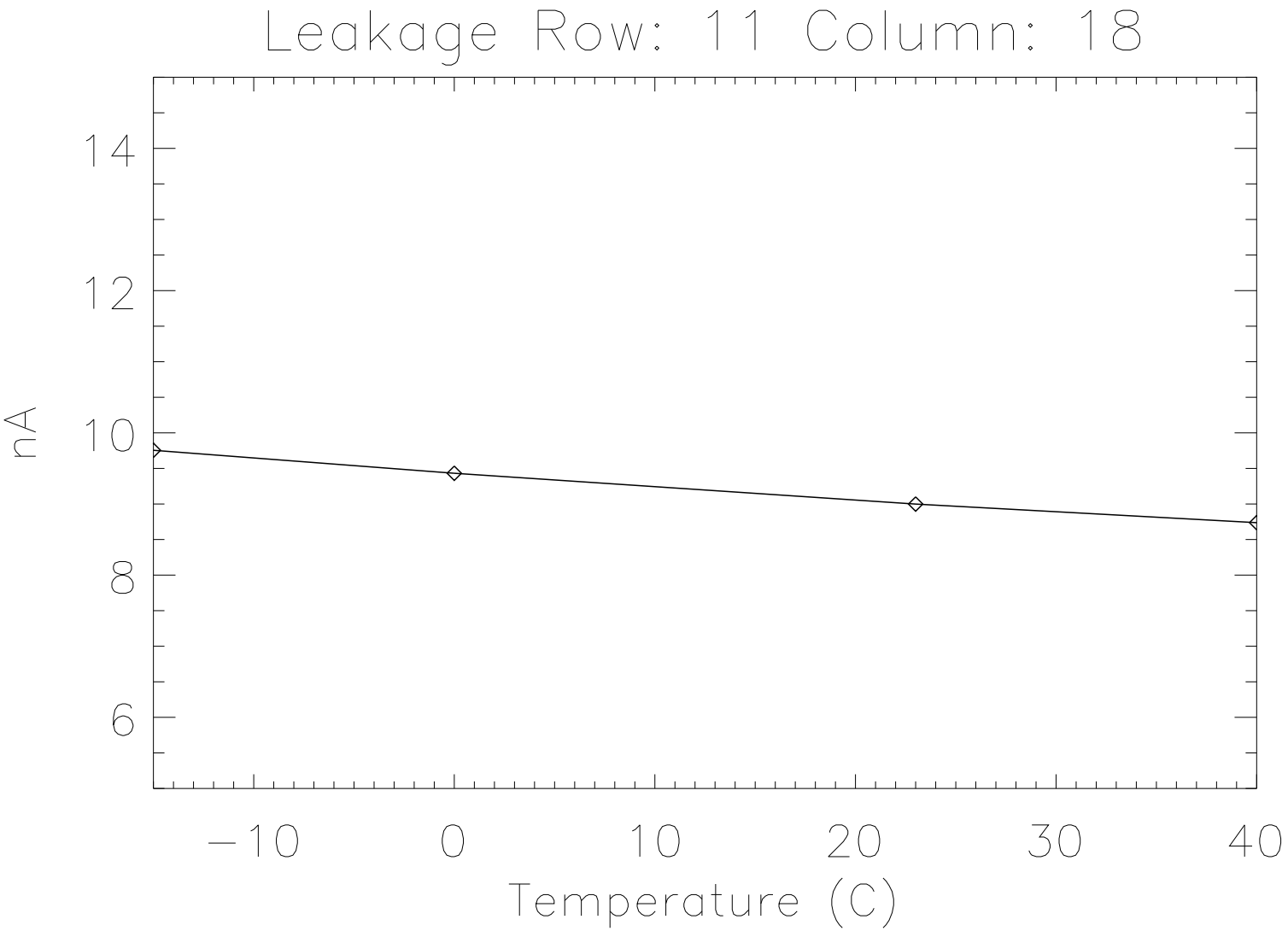
20
30
40
Temperature (C)


Preamp Row: 11 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 11 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 11 Column: 18
nA
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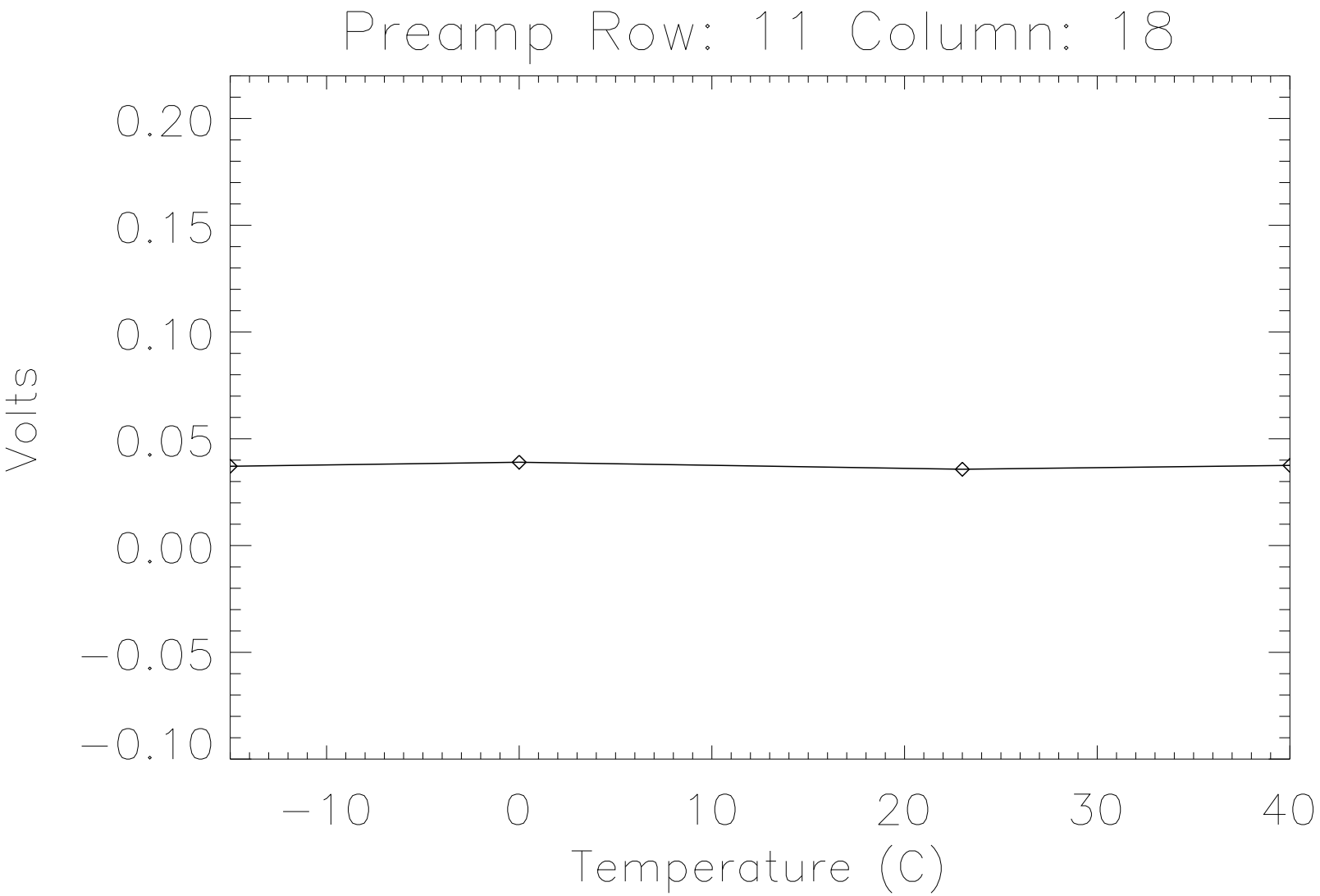
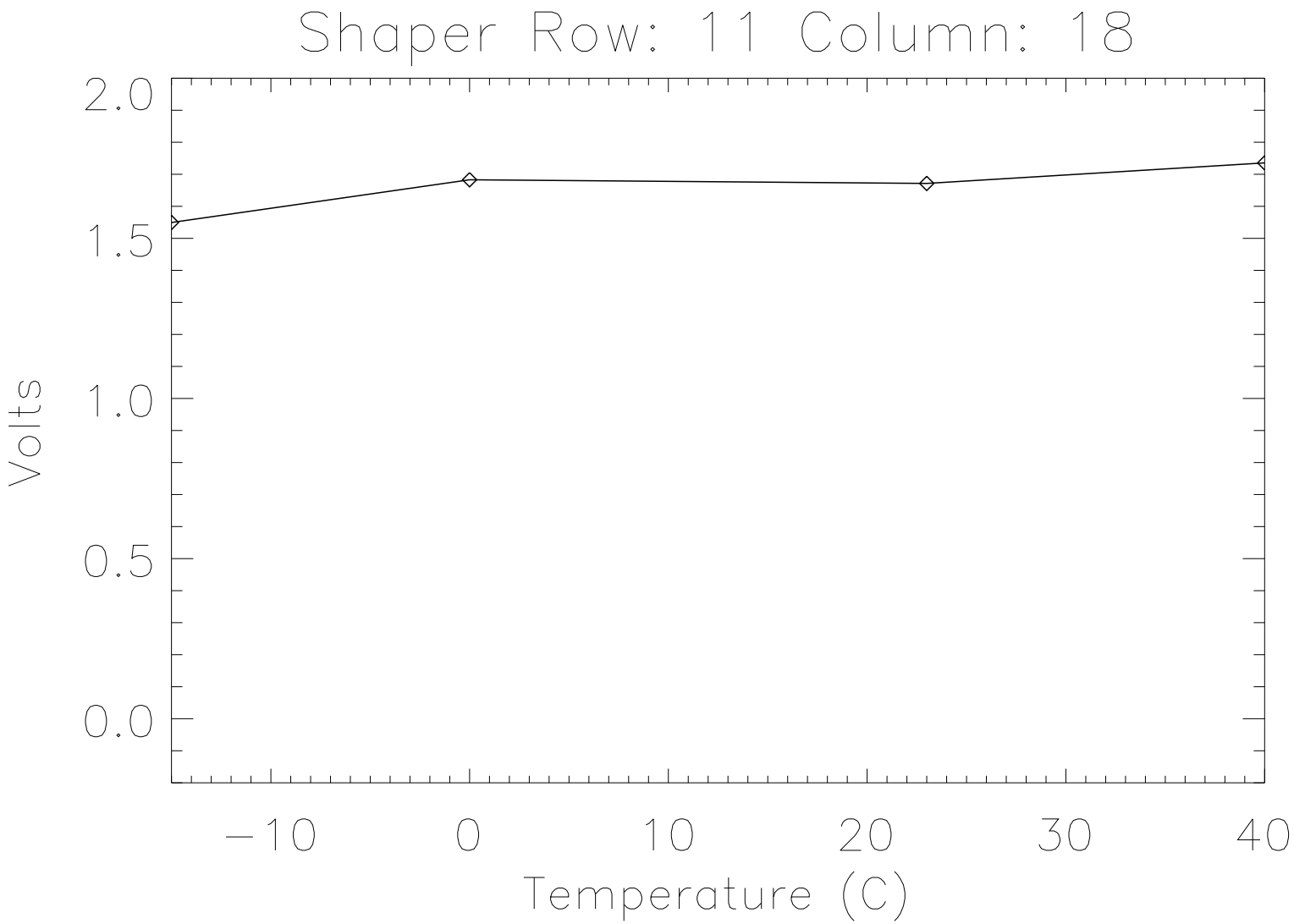
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 11 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 11 Column: 18
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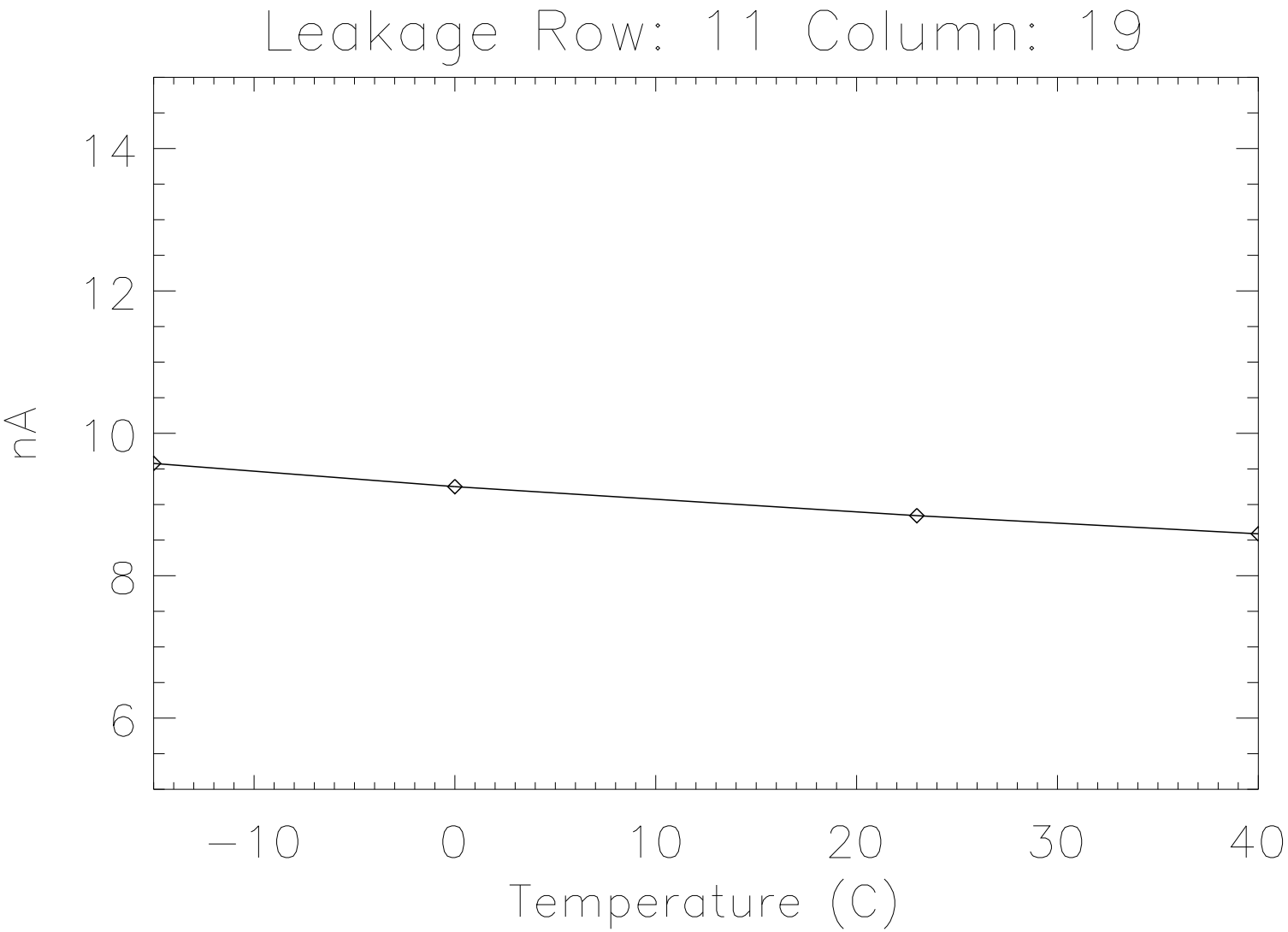
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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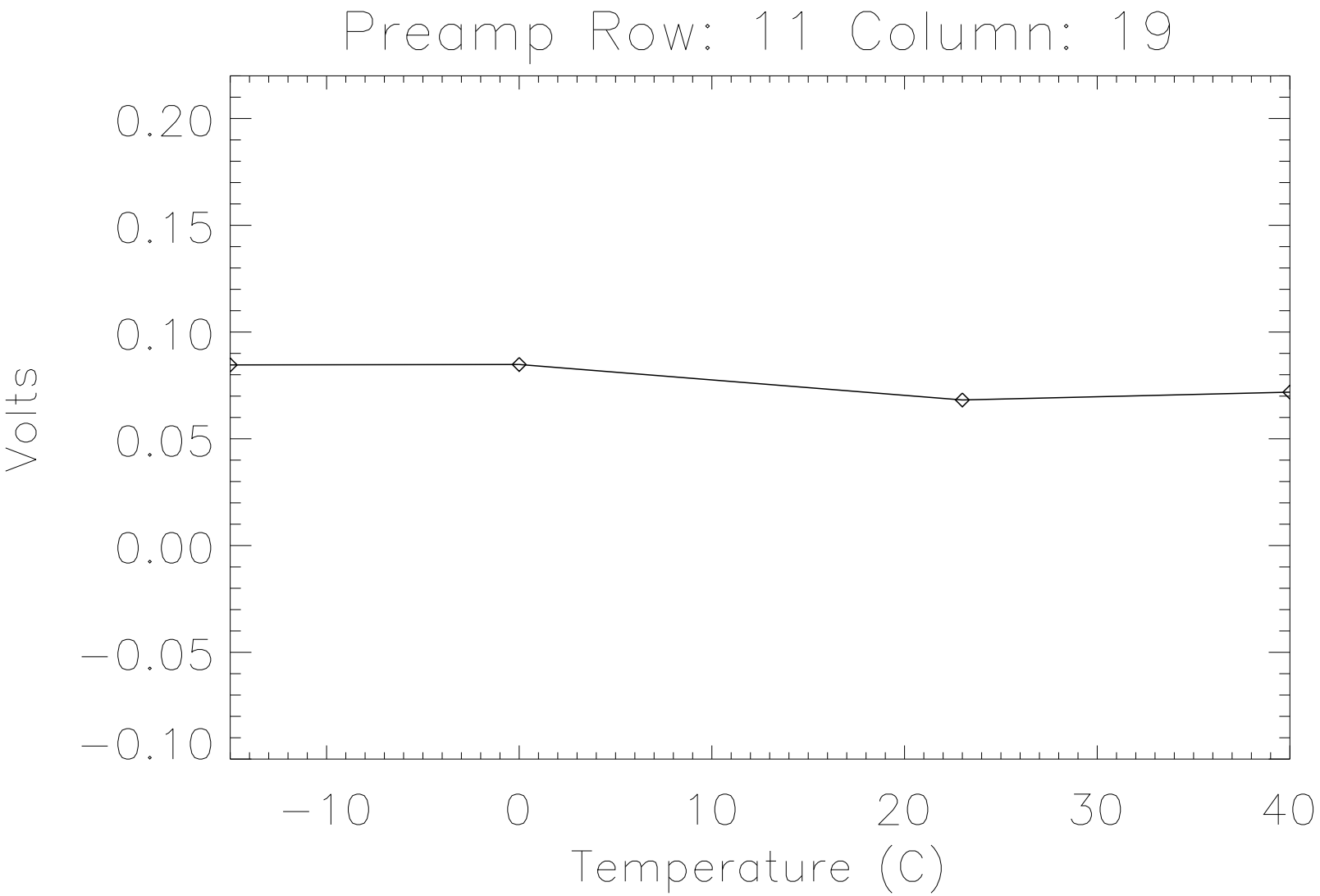
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 11 Column: 19
Volts
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0.00
−0.05
−0.10
−10
0
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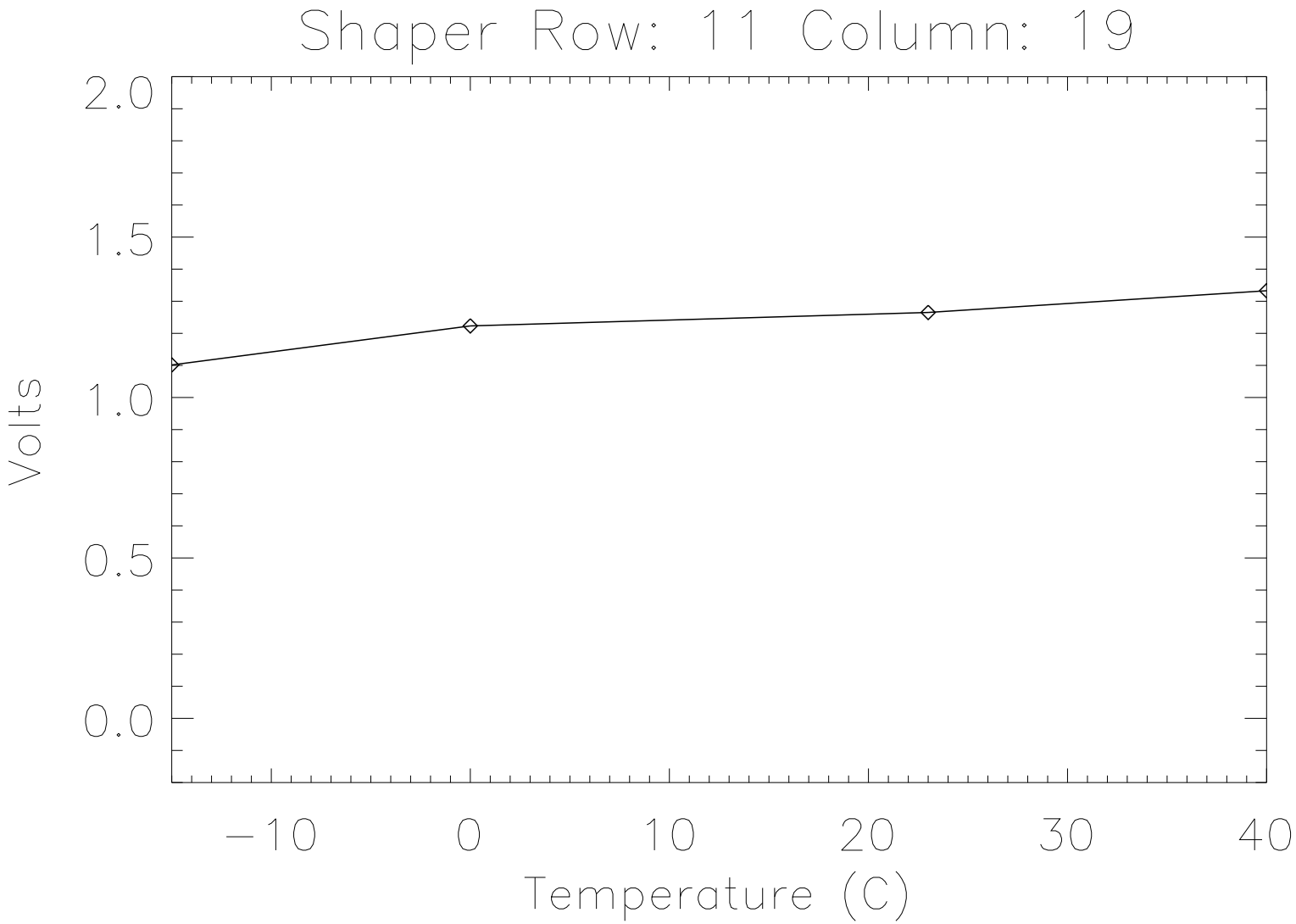
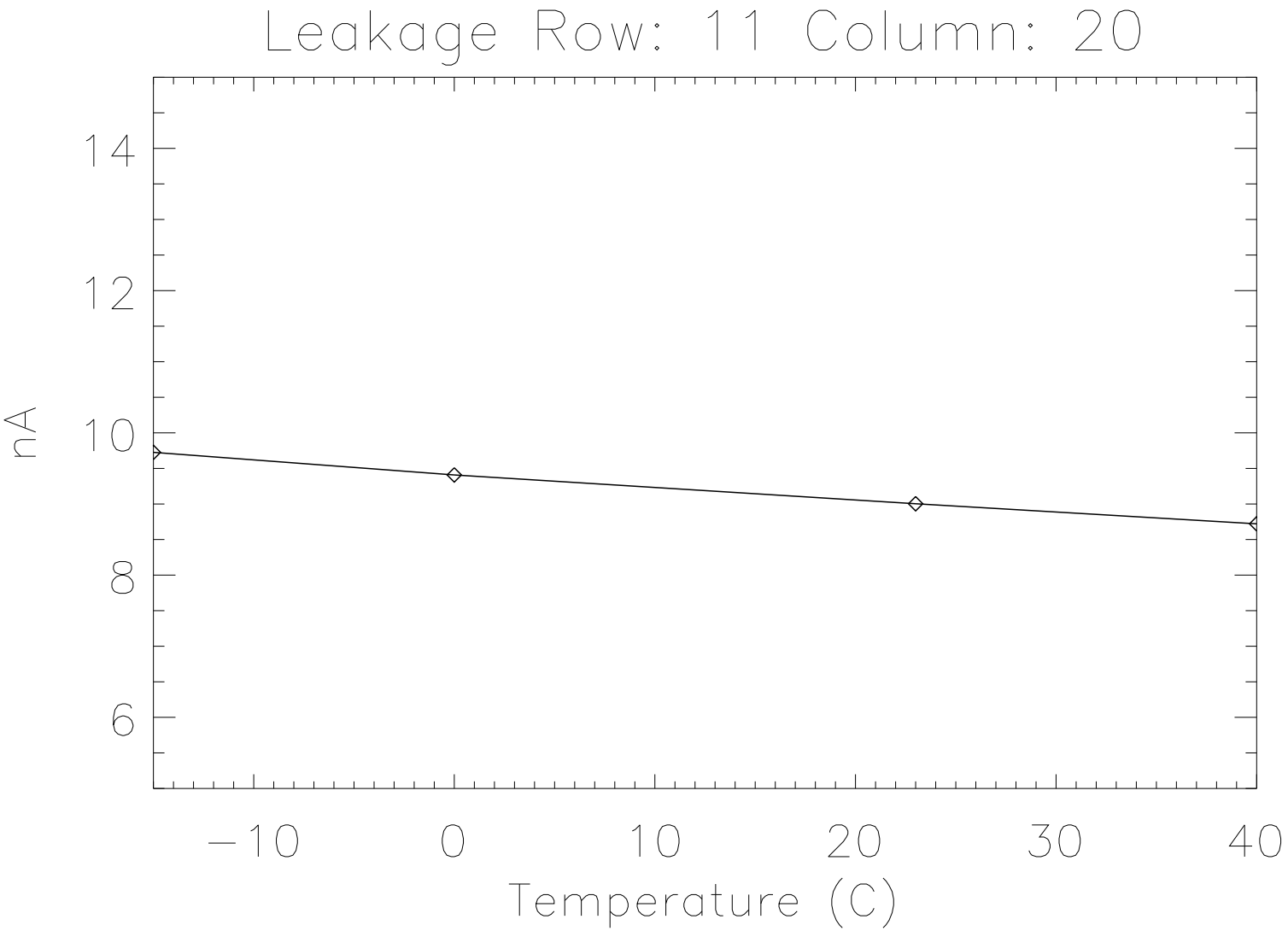
20
30
40
Temperature (C)


Shaper Row: 11 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 11 Column: 20
nA
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12
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8
6
−10
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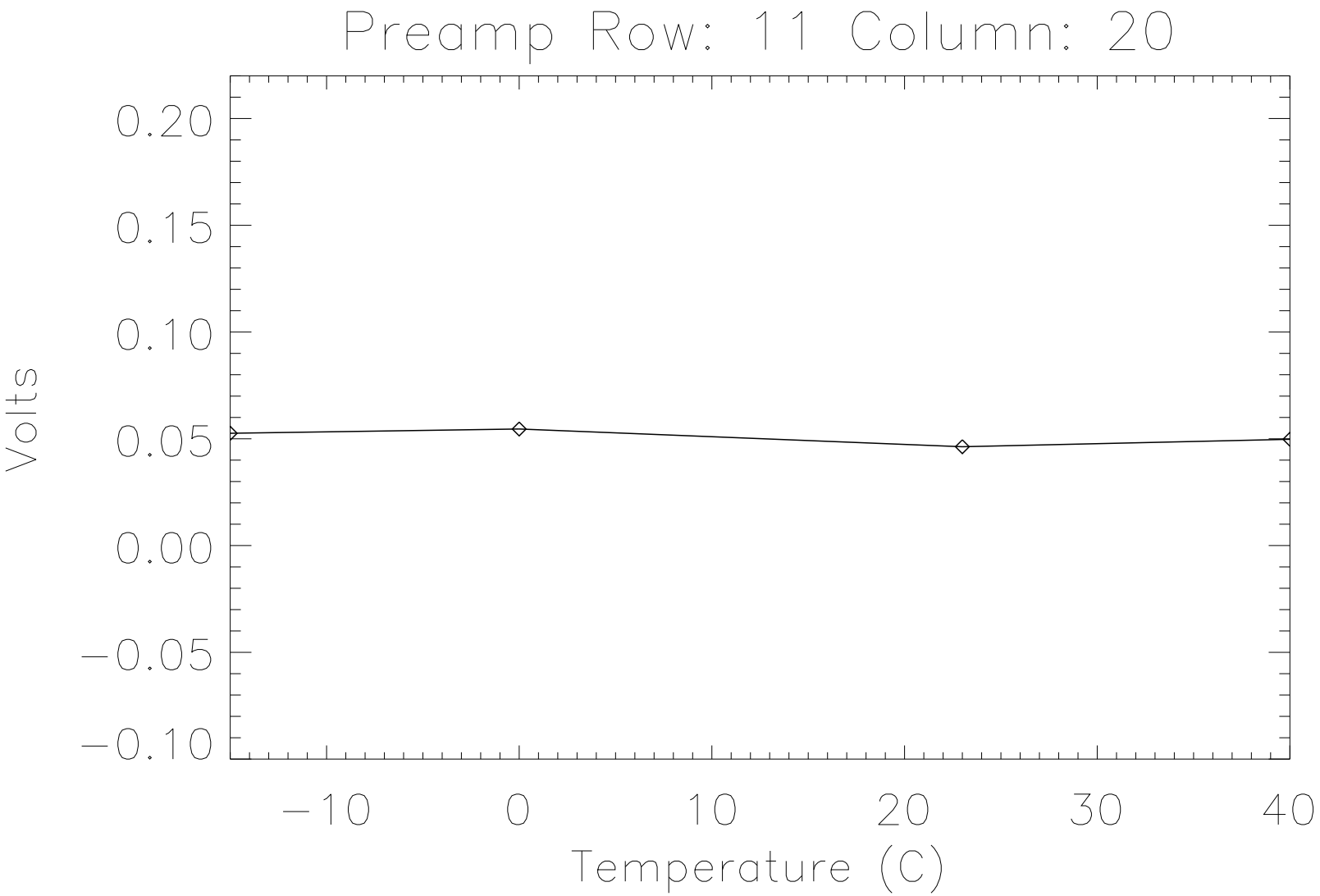
10
20
30
40
Temperature (C)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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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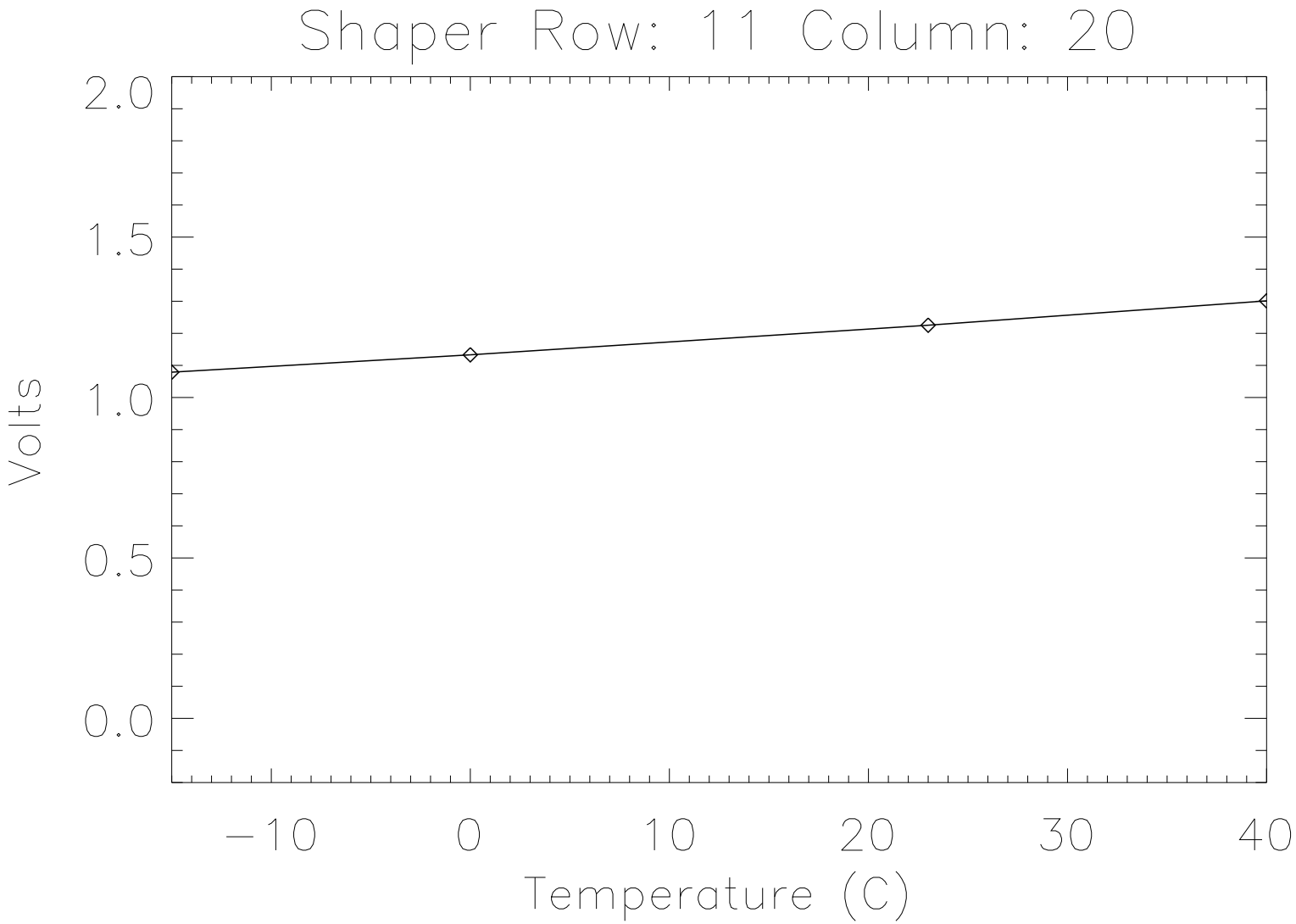
20
30
40
Temperature (C)


Shaper Row: 11 Column: 20
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1.0
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Volts
−10
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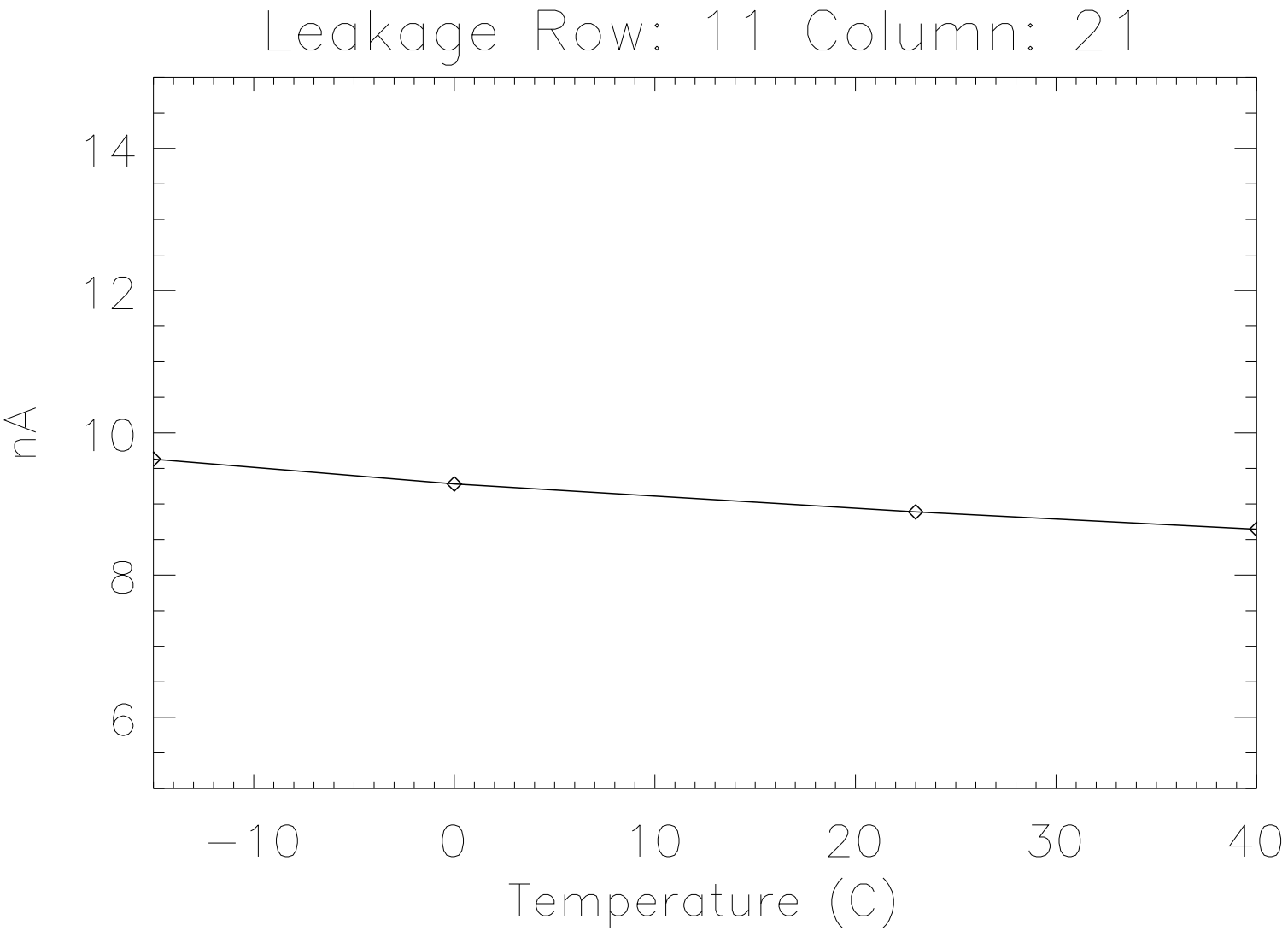
20
30
40
Temperature (C)


Leakage Row: 11 Column: 21
nA
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12
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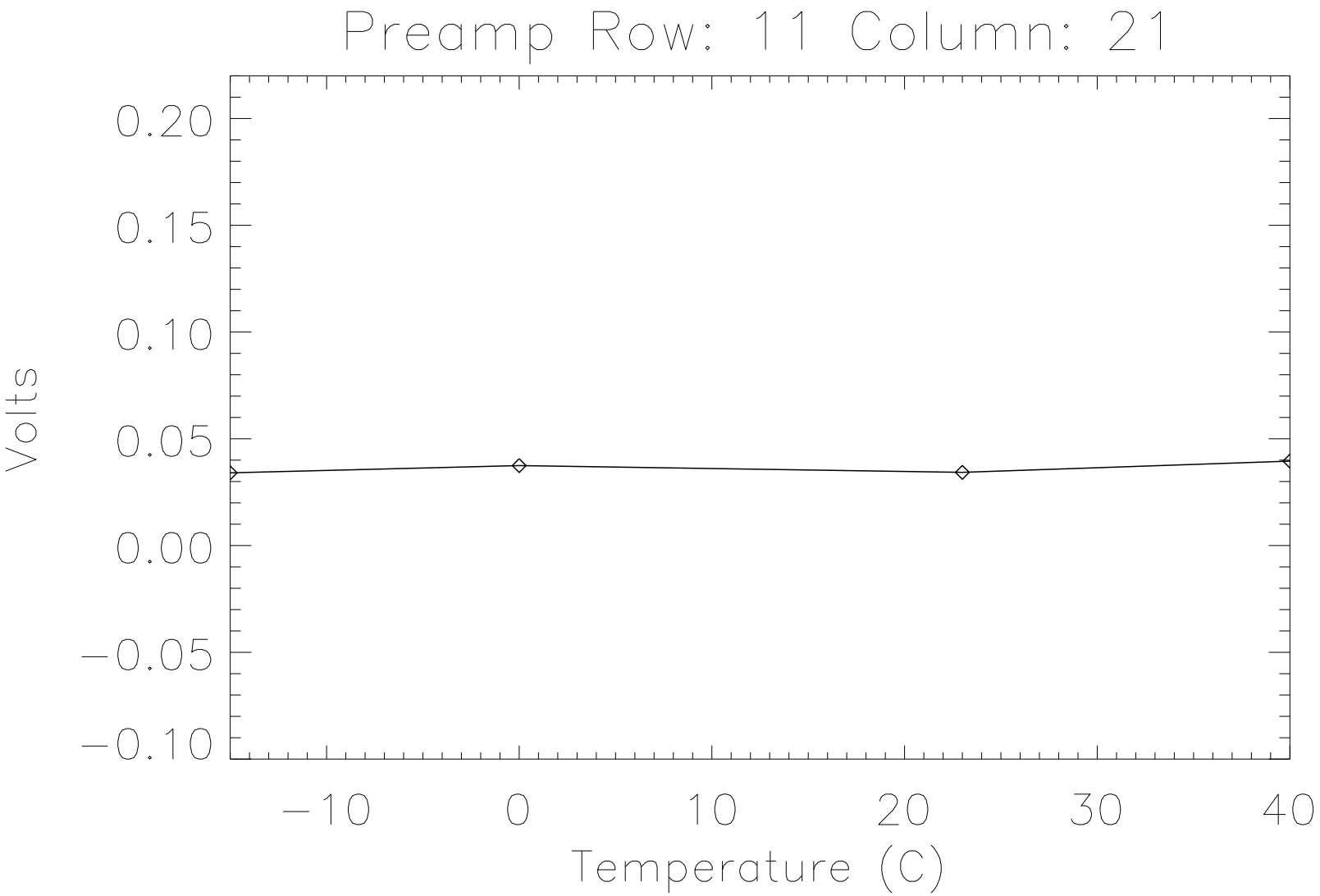
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 11 Column: 21
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−0.05
−0.10
Volts
−10
0
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30
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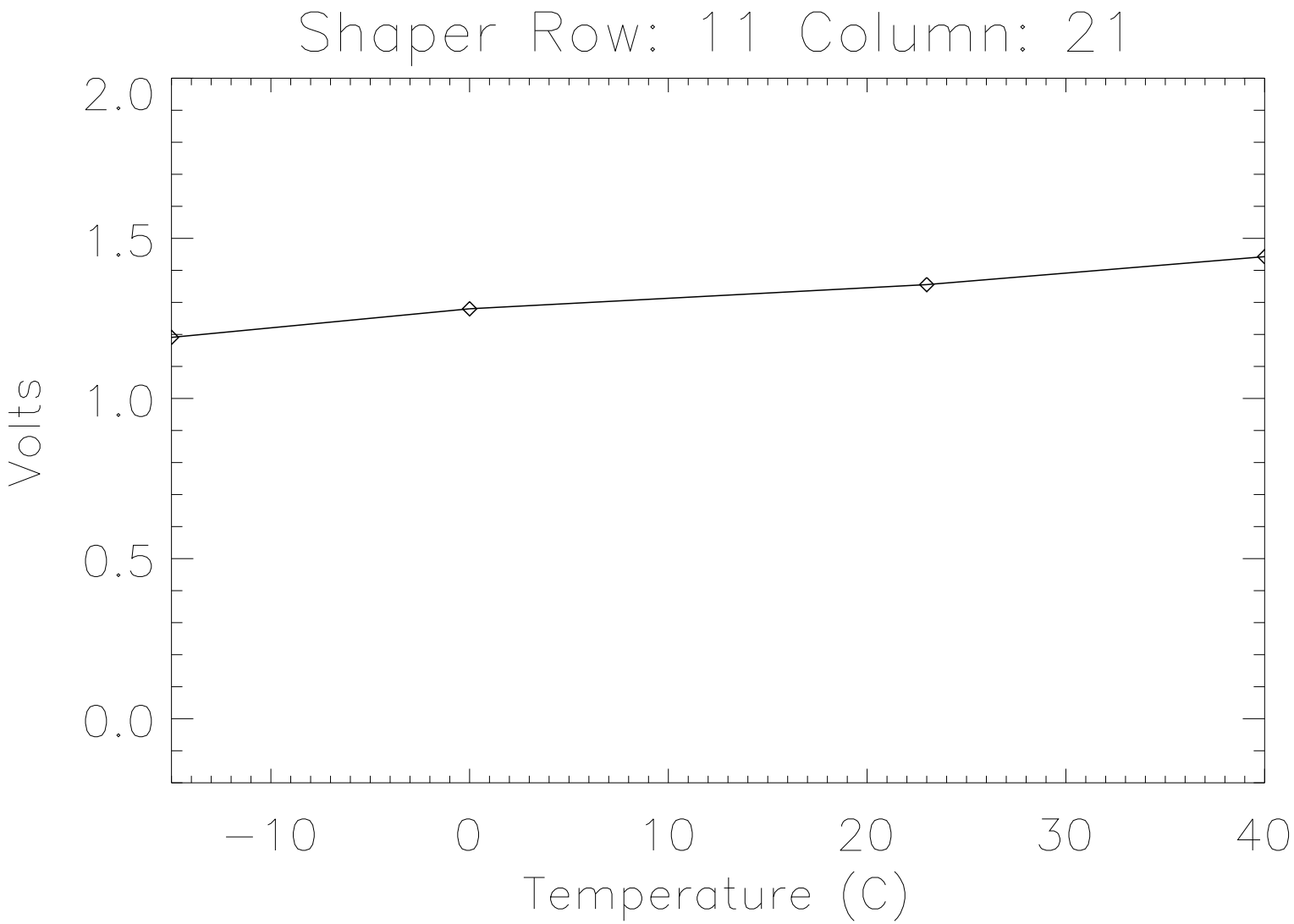
Temperature (C)


Shaper Row: 11 Column: 21
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1.0
0.5
0.0
Volts
−10
0
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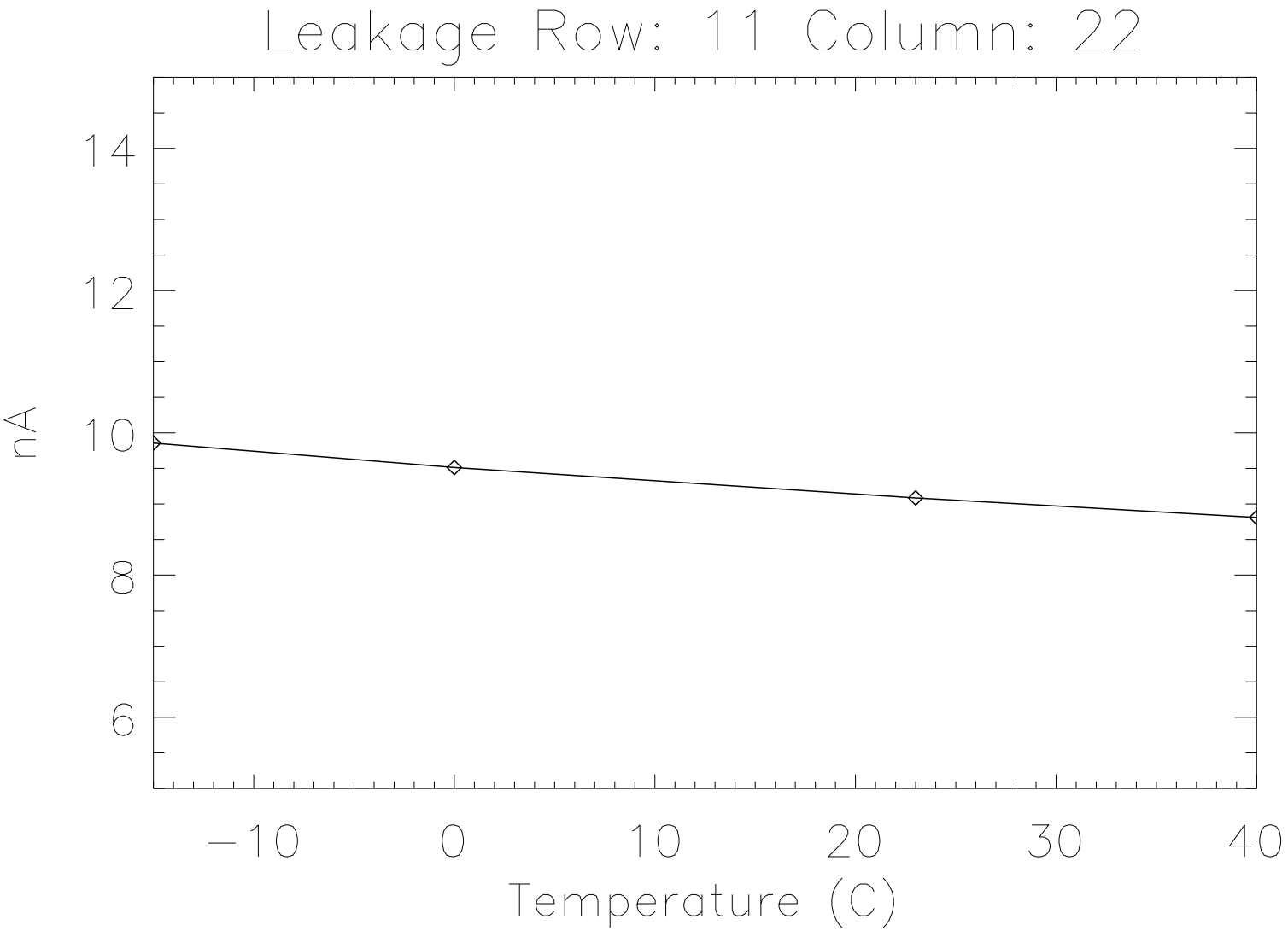
30
40
Temperature (C)


Leakage Row: 11 Column: 22
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12
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8
6
−10
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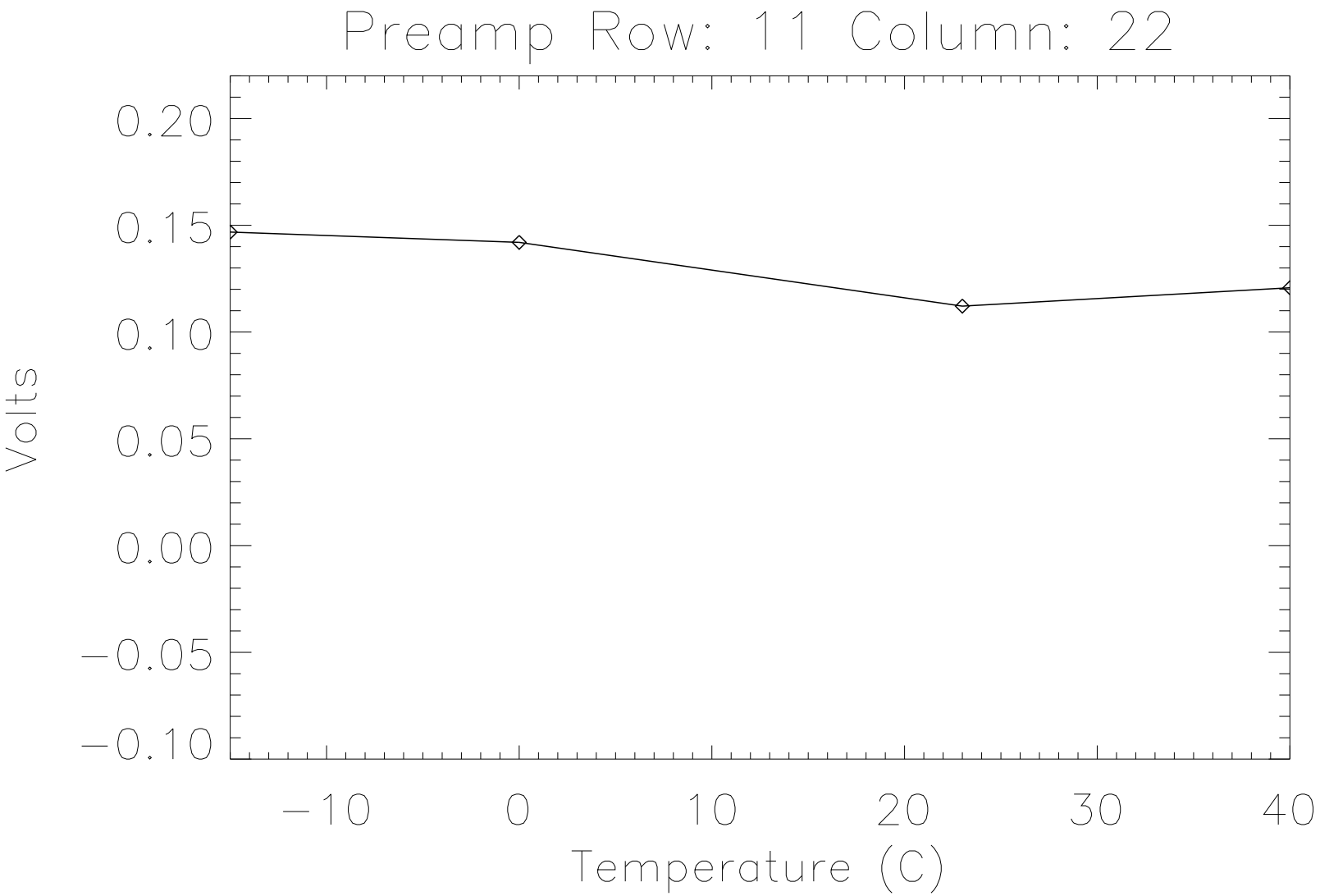
20
30
40
Temperature (C)


Preamp Row: 11 Column: 22
0.20
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0.10
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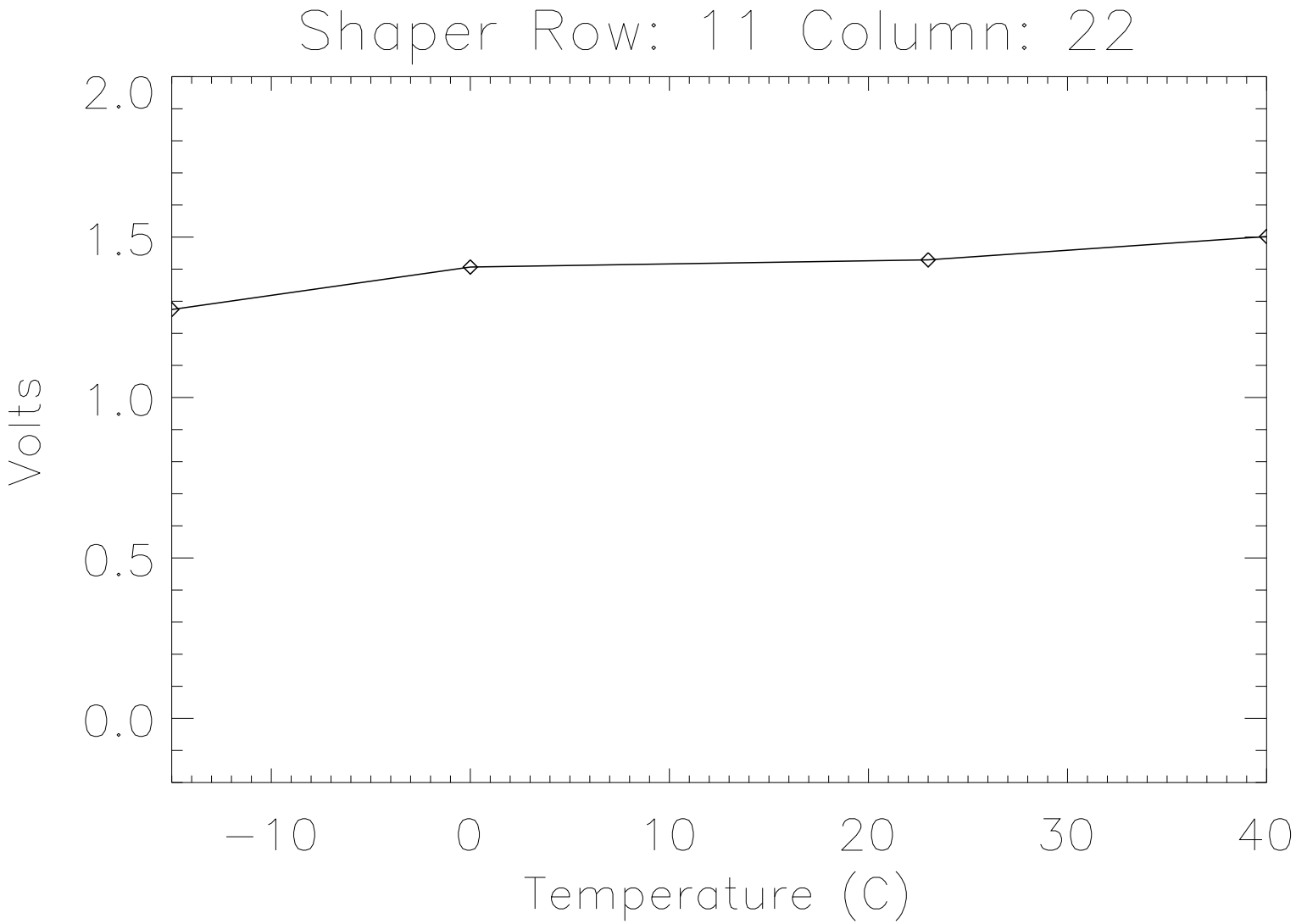
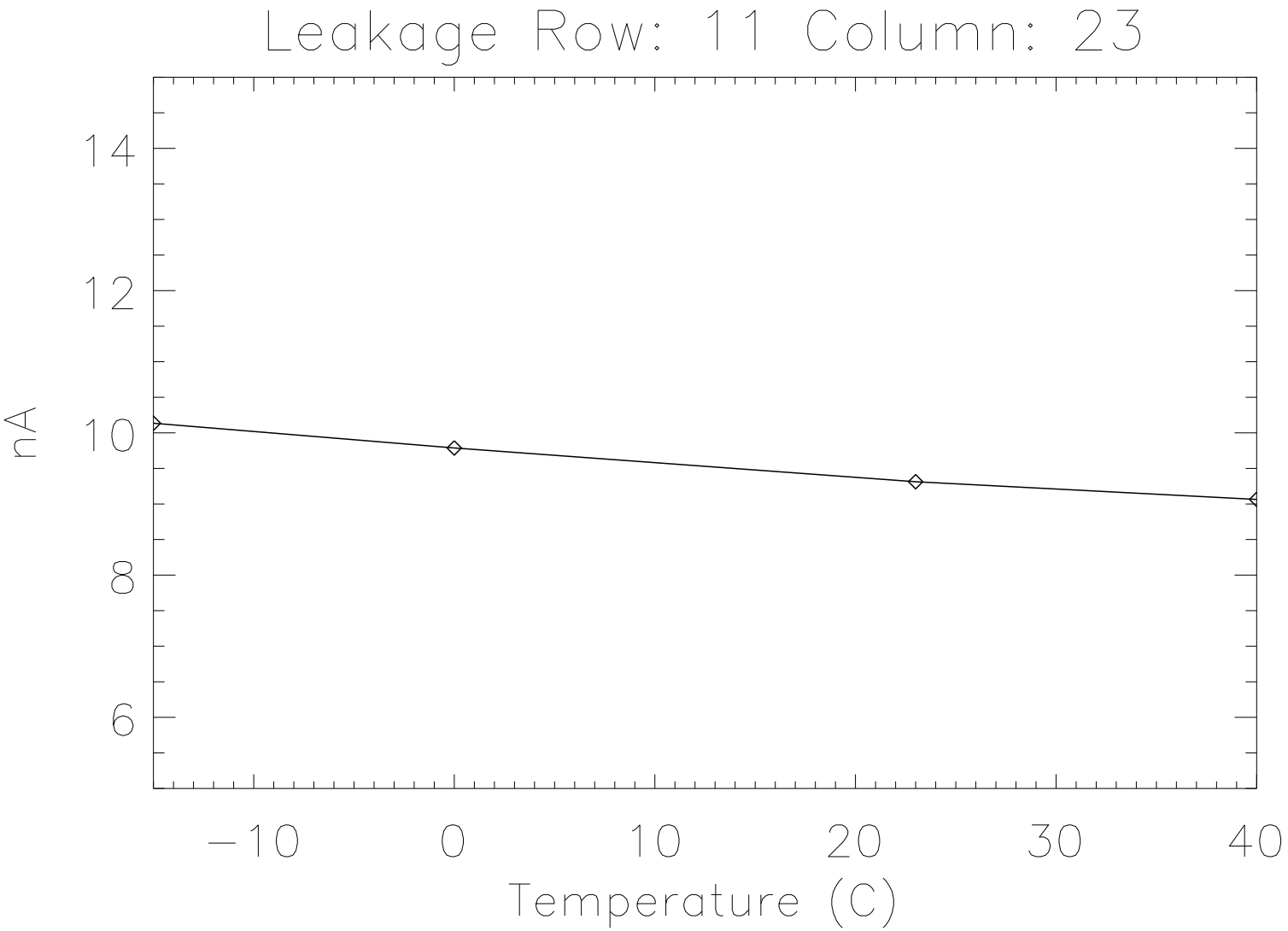
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 11 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 11 Column: 23
nA
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12
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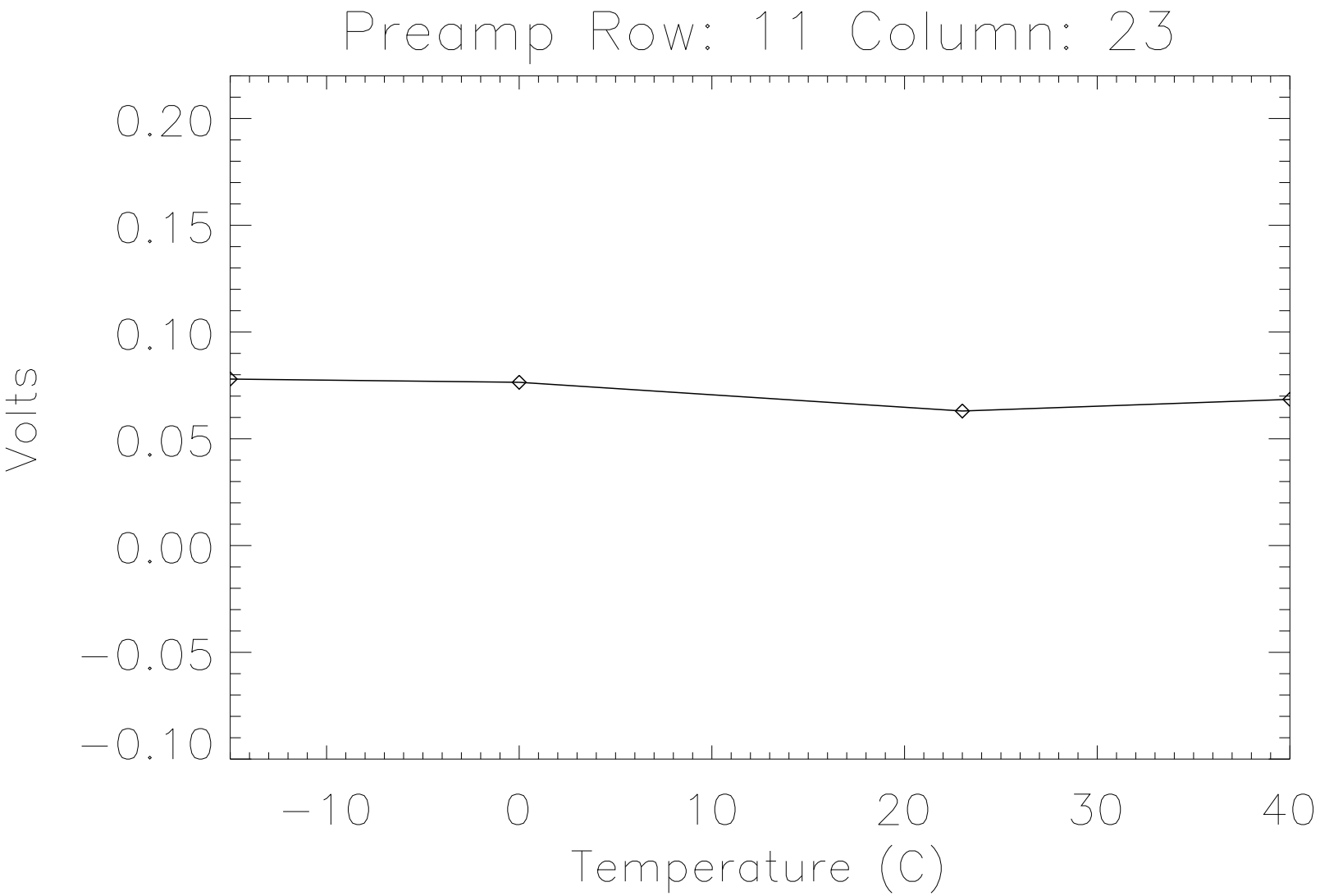
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 11 Column: 23
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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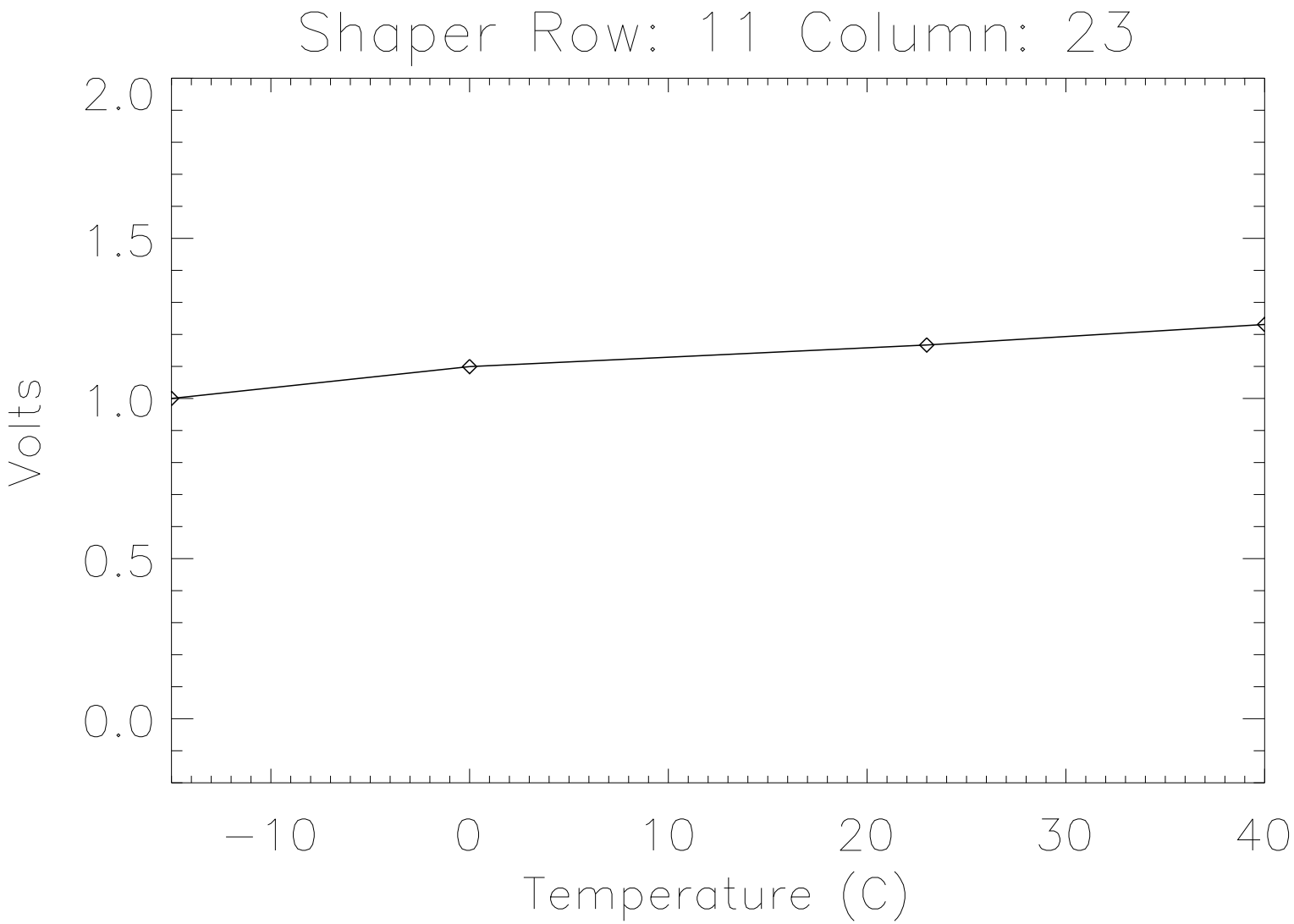
20
30
40
Temperature (C)


Shaper Row: 11 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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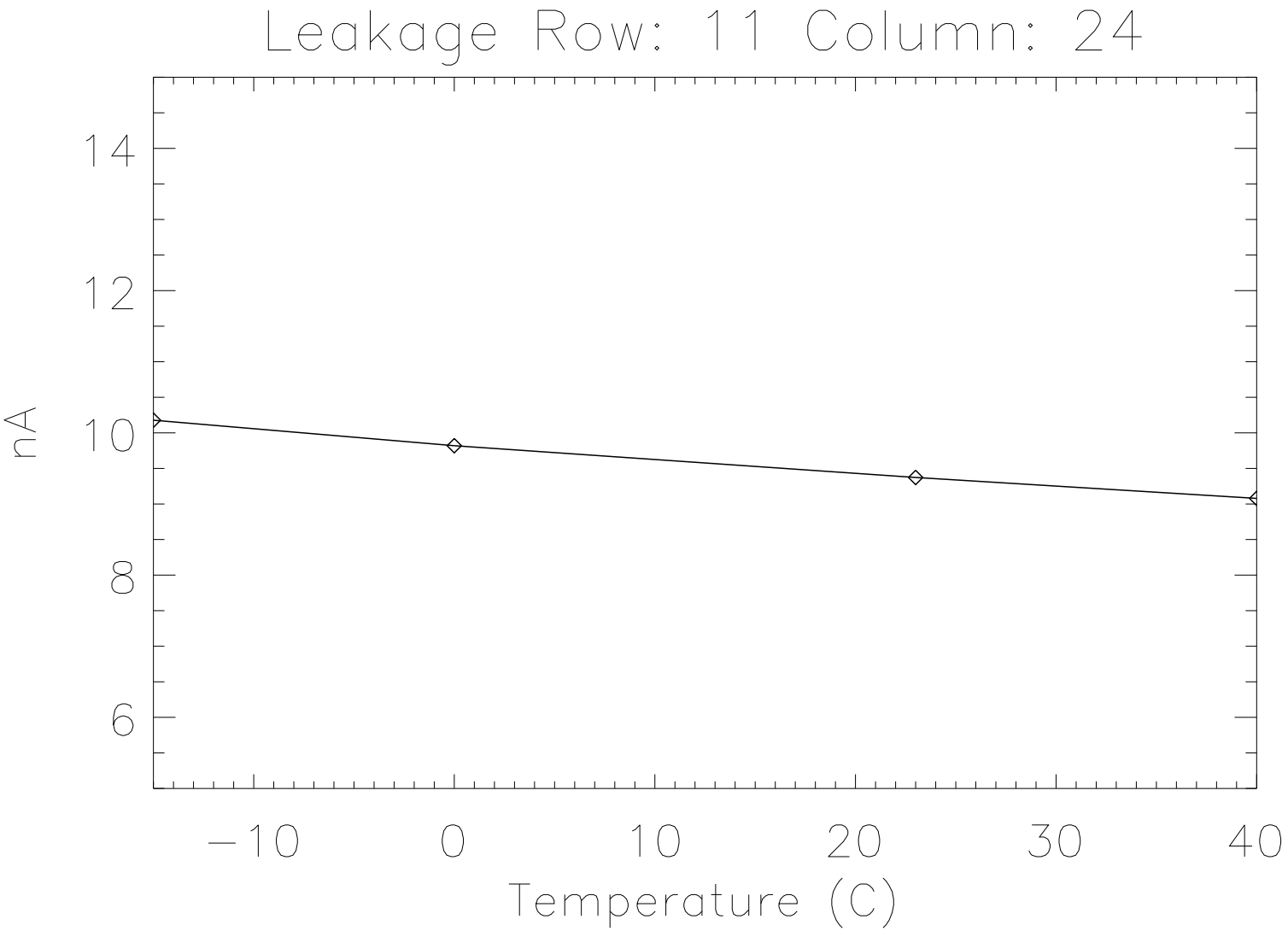
30
40
Temperature (C)


Leakage Row: 11 Column: 24
nA
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12
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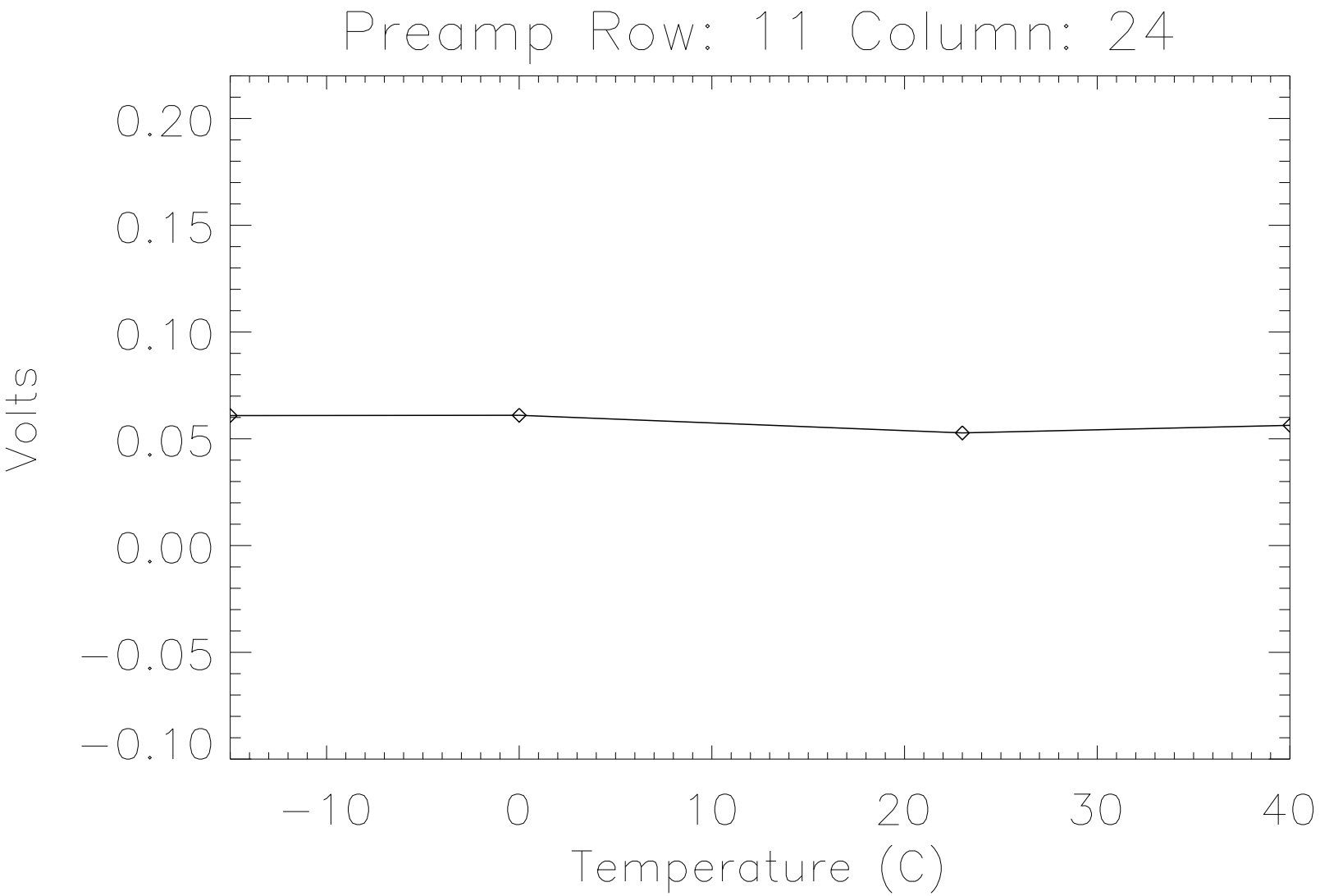
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 11 Column: 24
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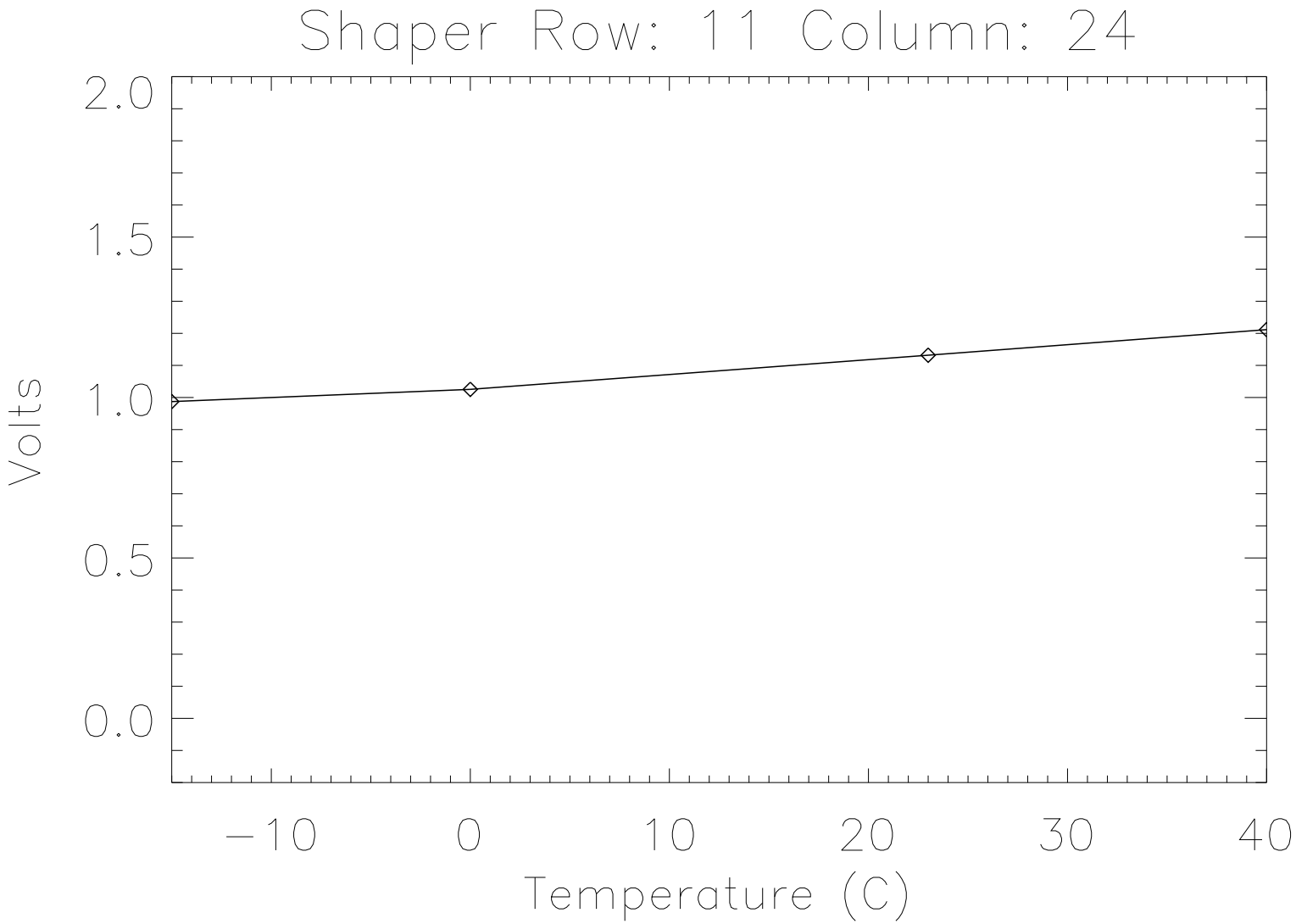
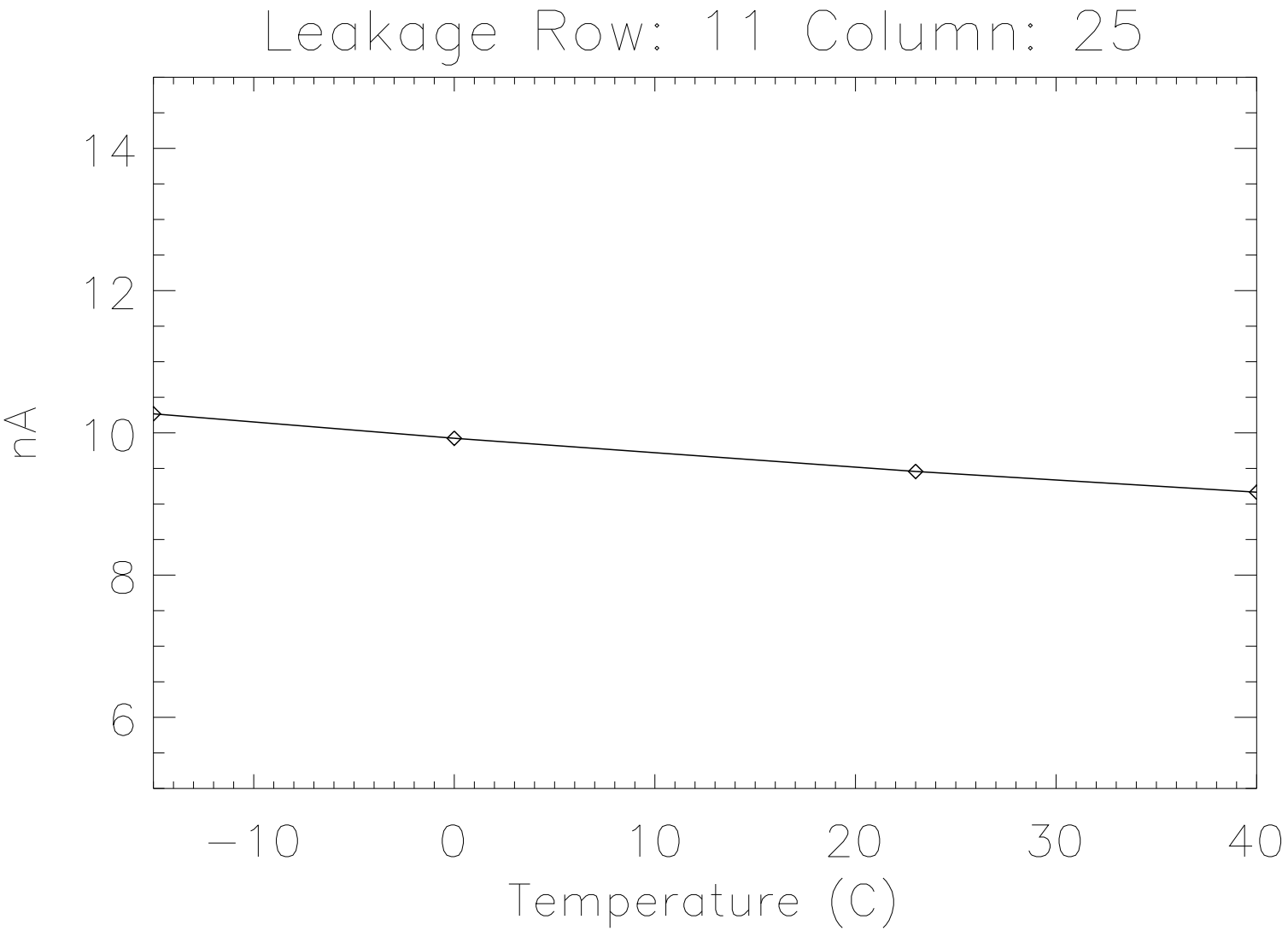
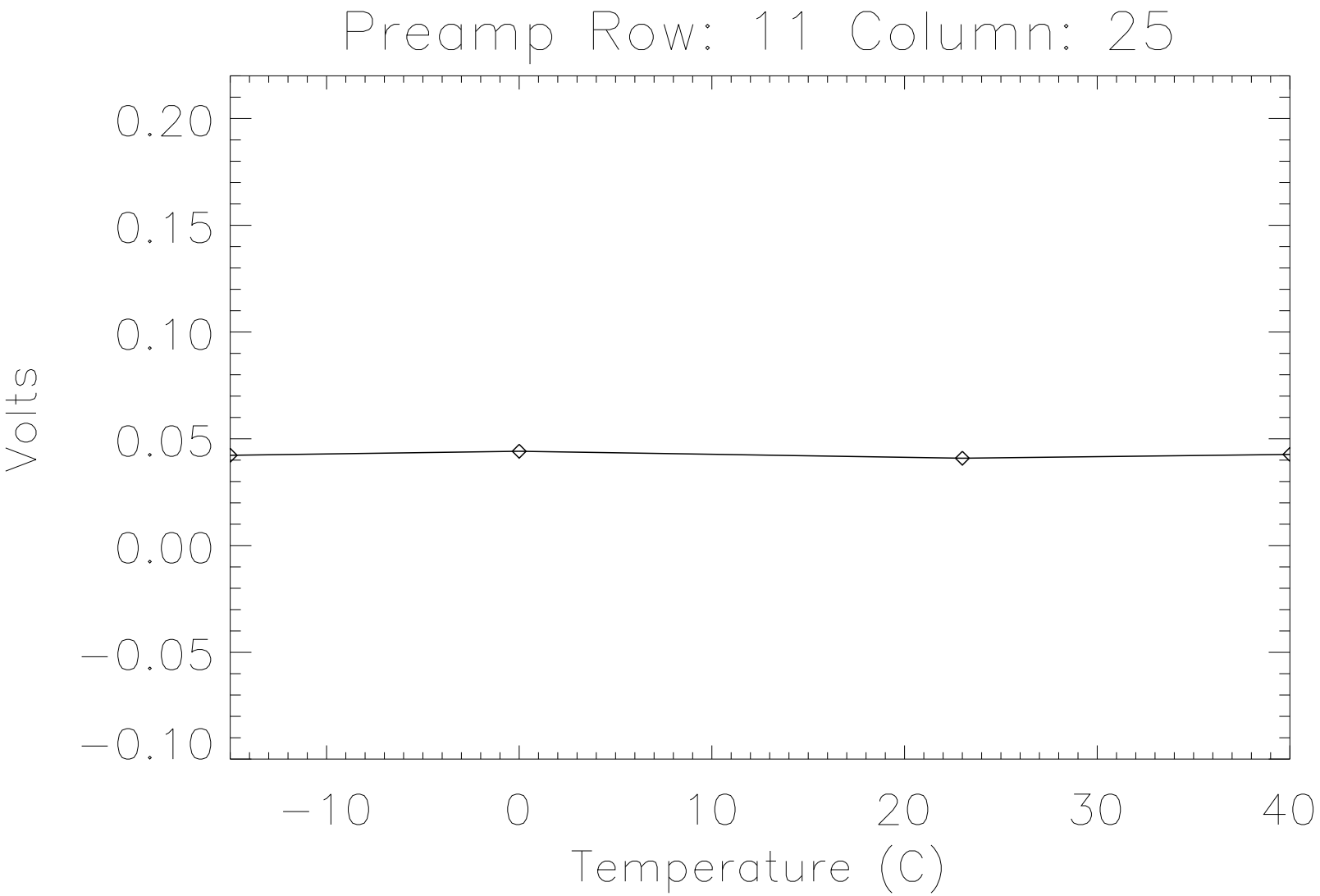
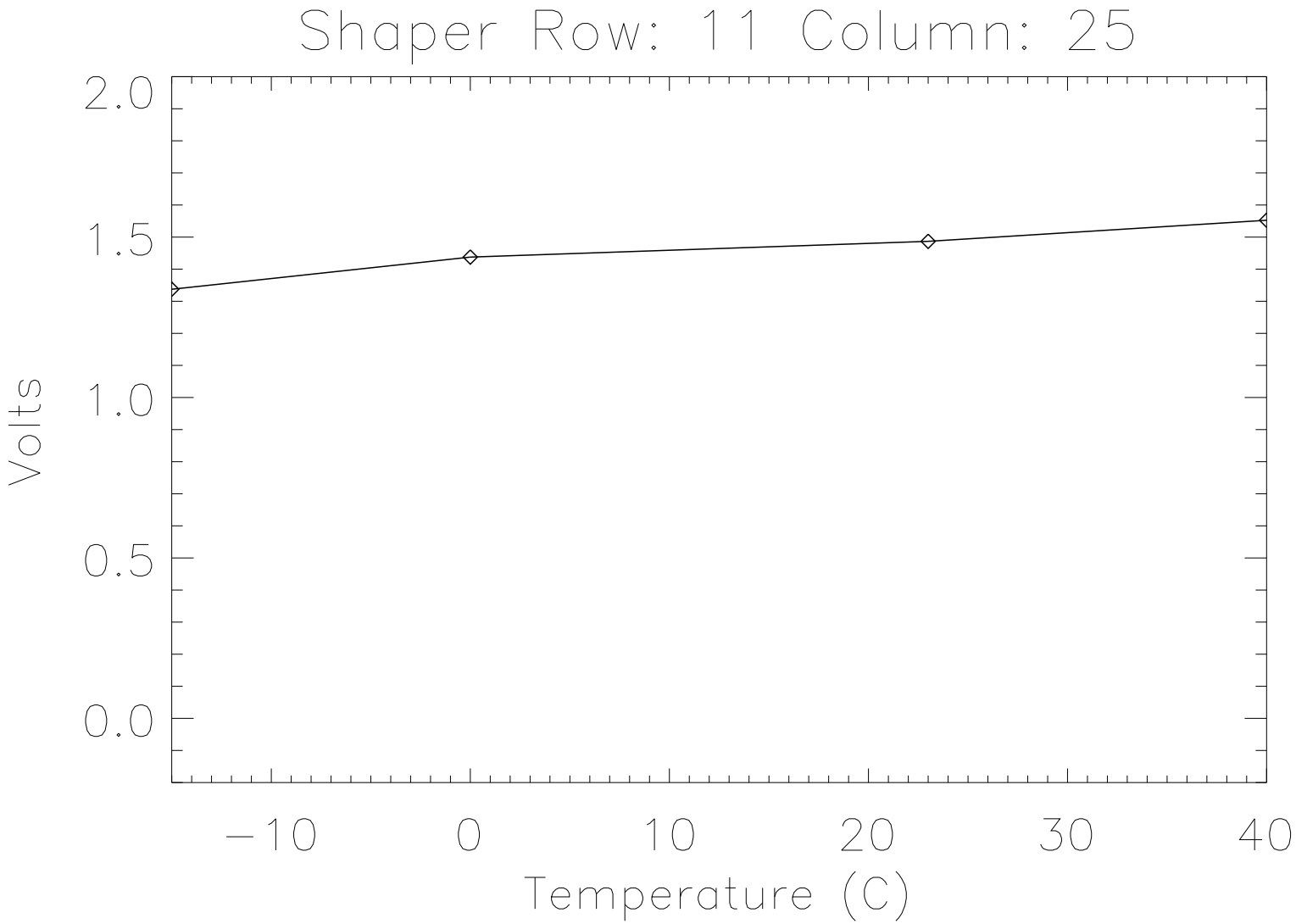
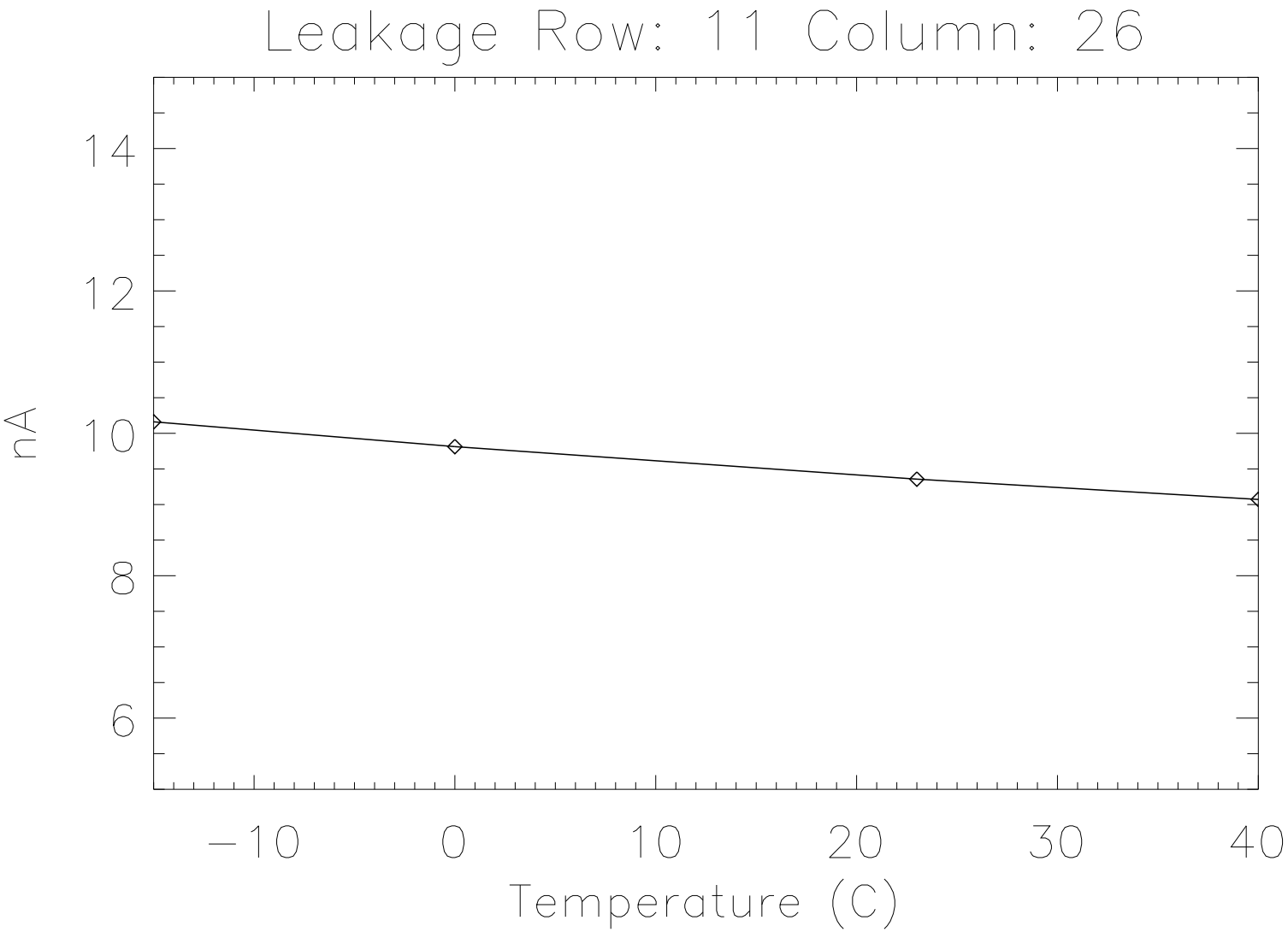
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

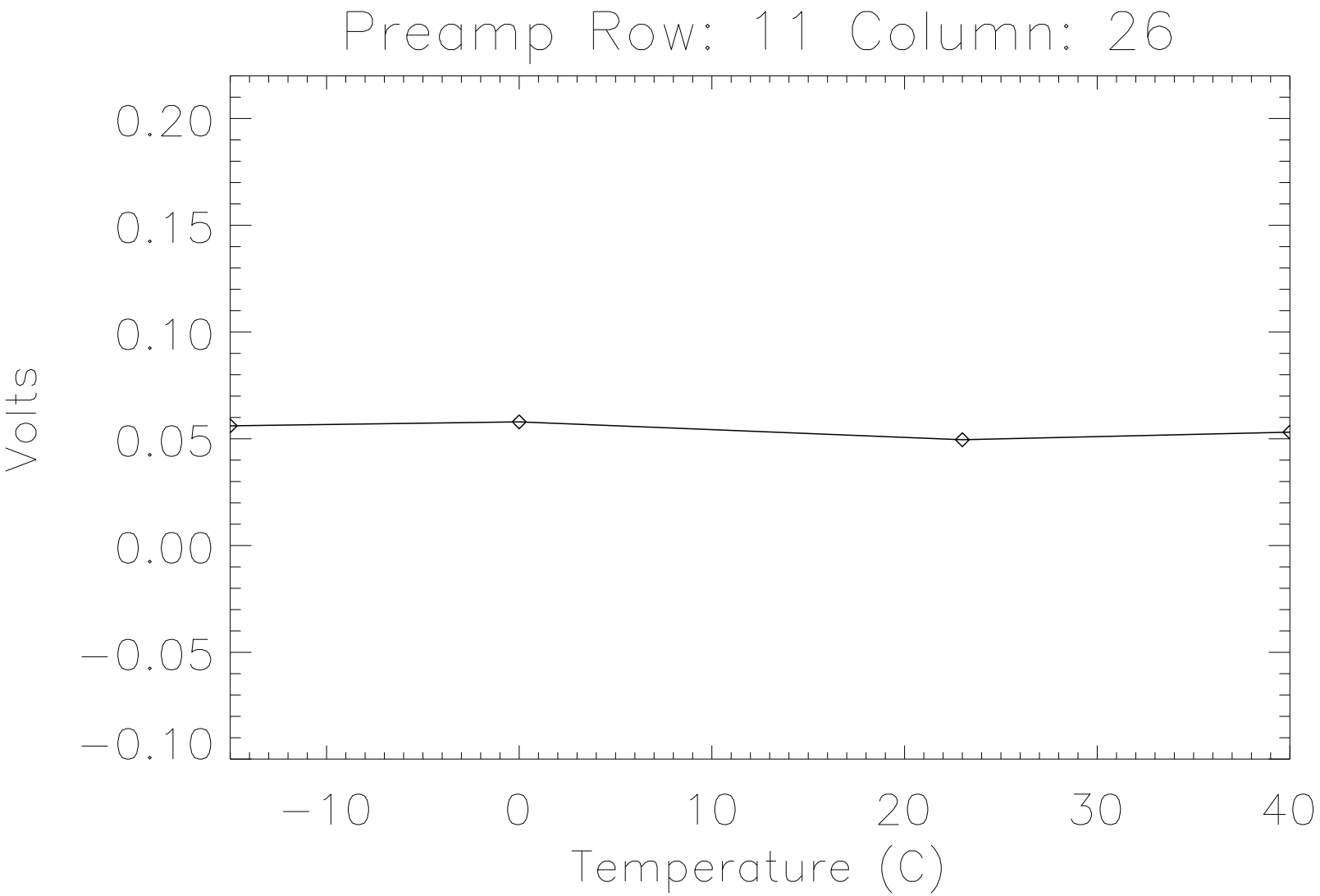

Shaper Row: 11 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

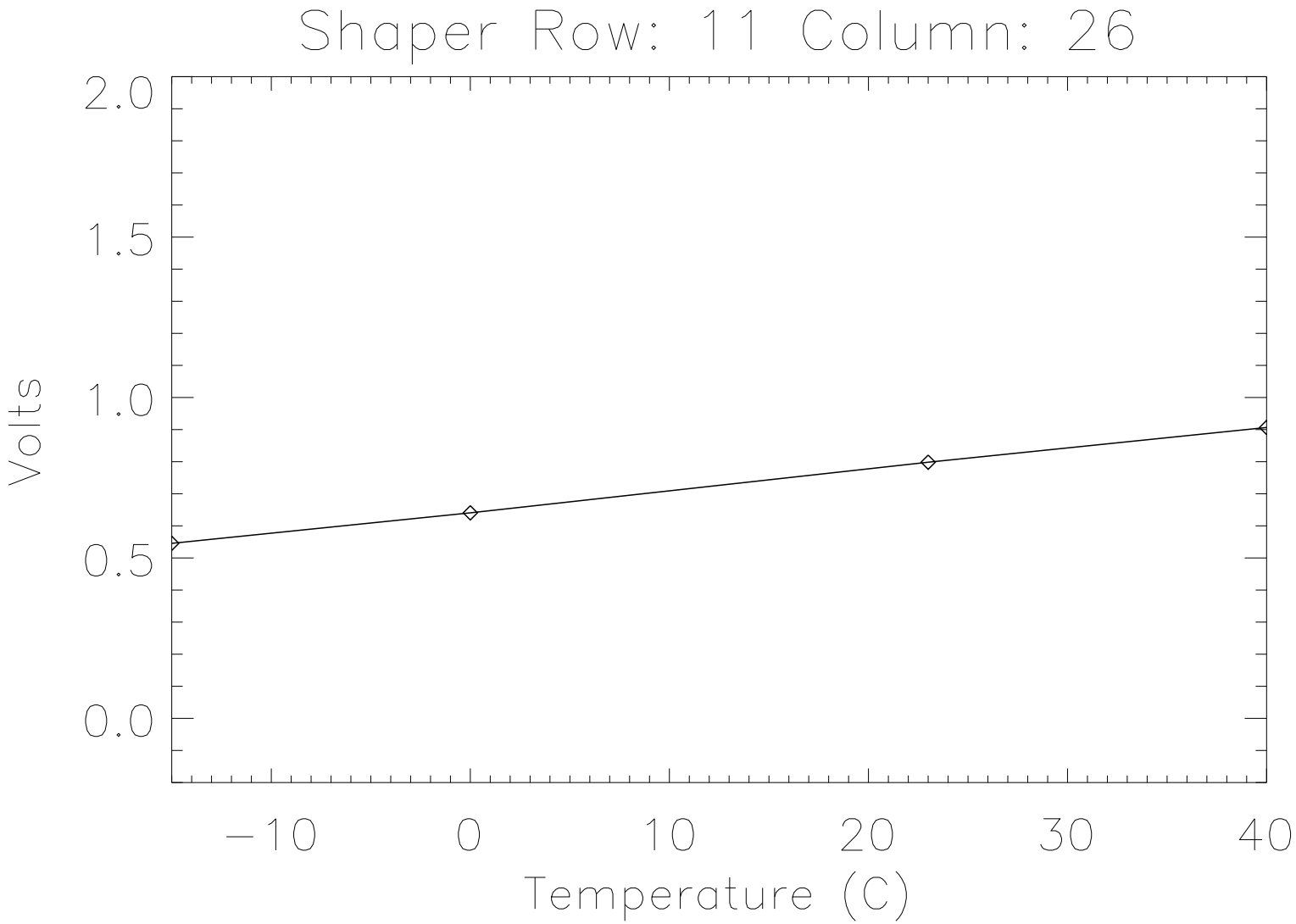

Leakage Row: 11 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

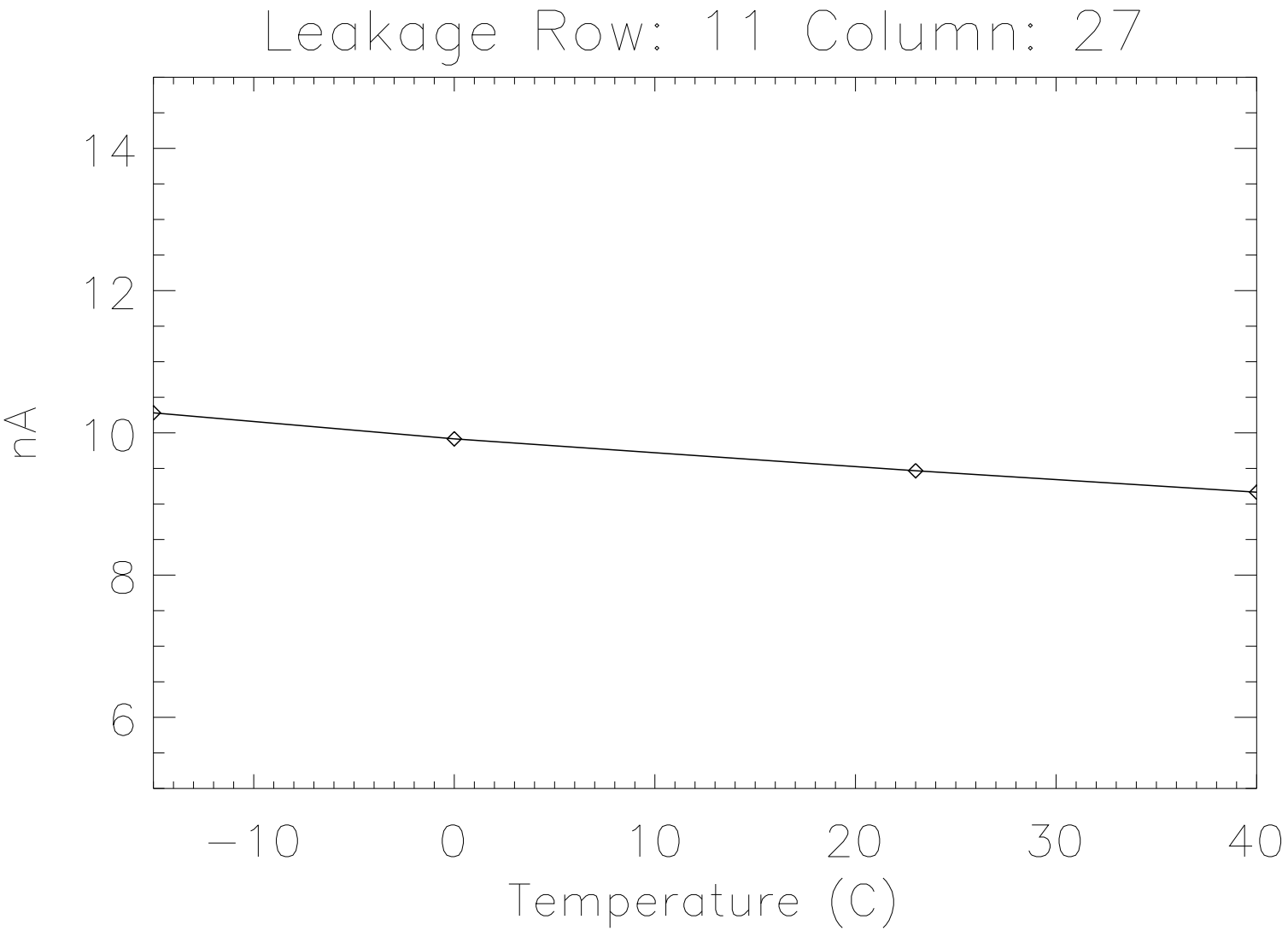

Preamp Row: 11 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

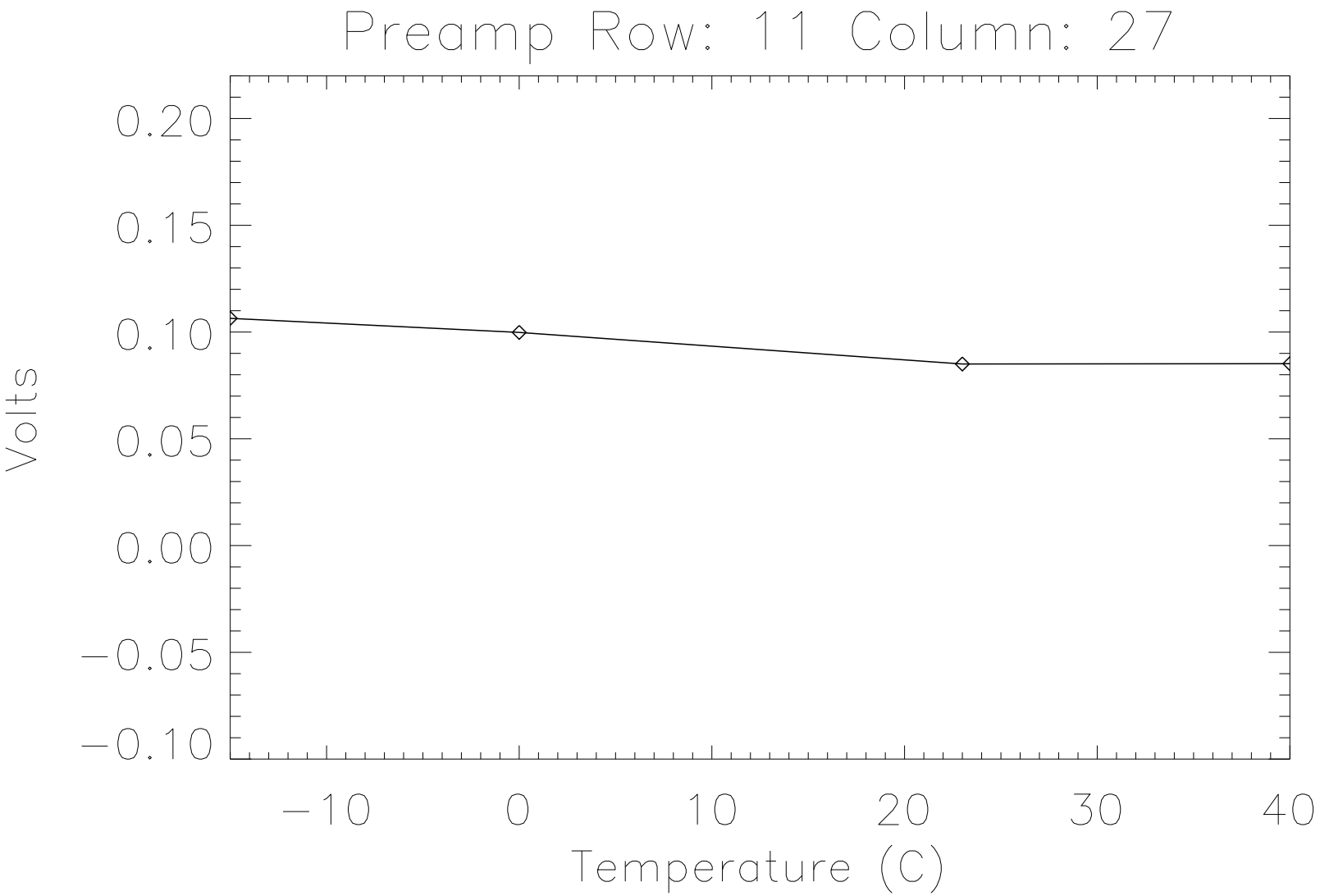

Shaper Row: 11 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

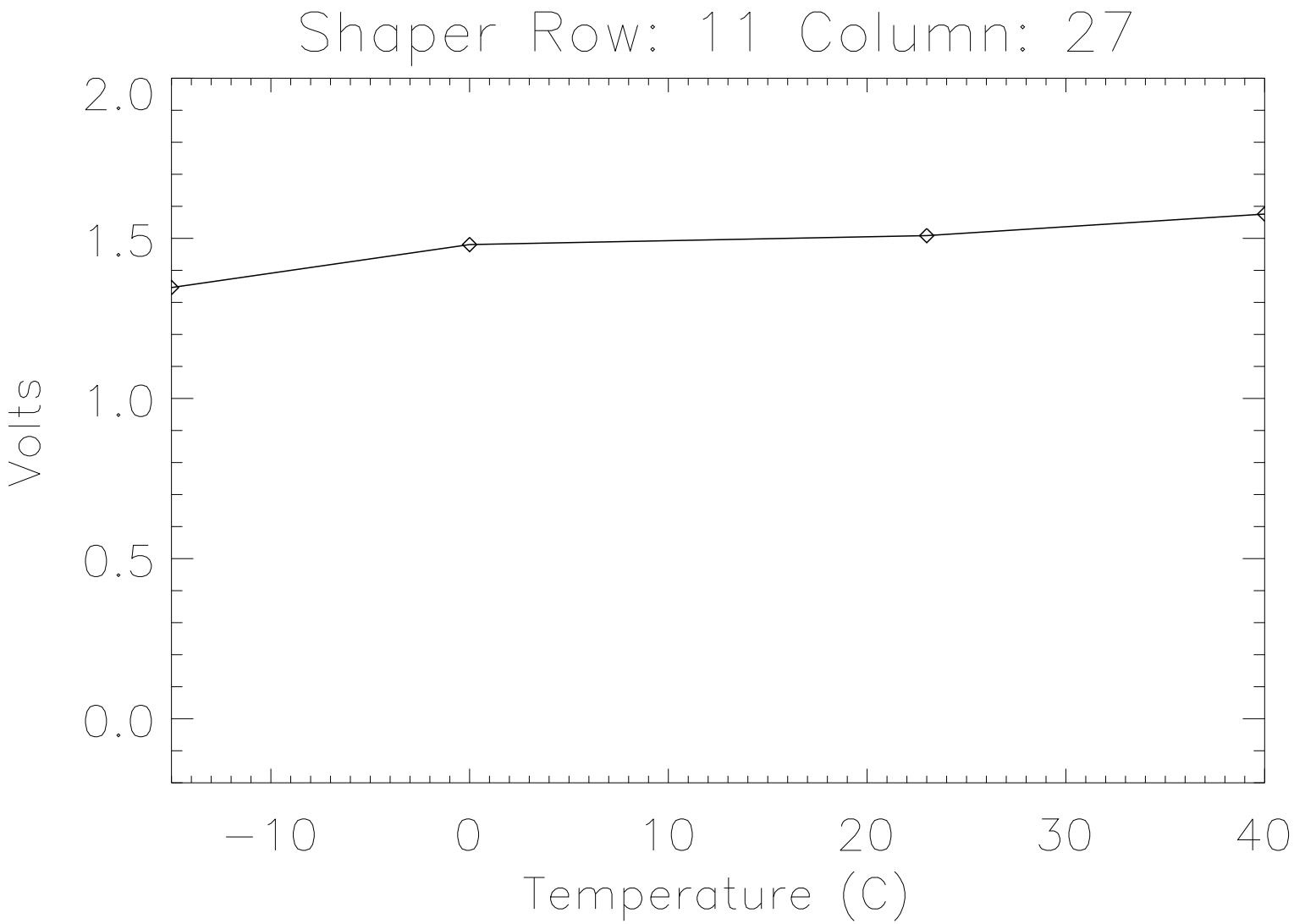

Leakage Row: 11 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

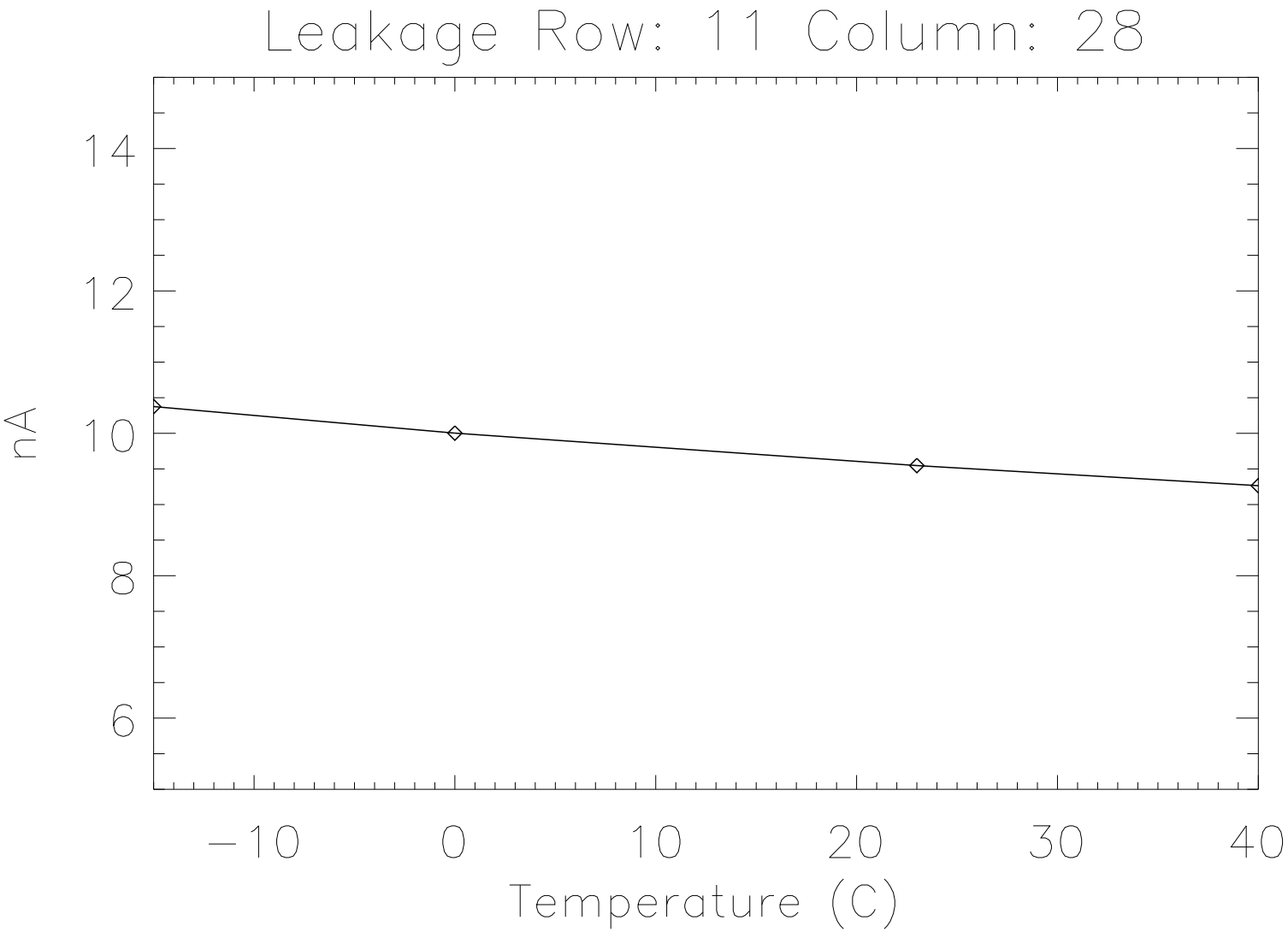

Preamp Row: 11 Column: 26
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

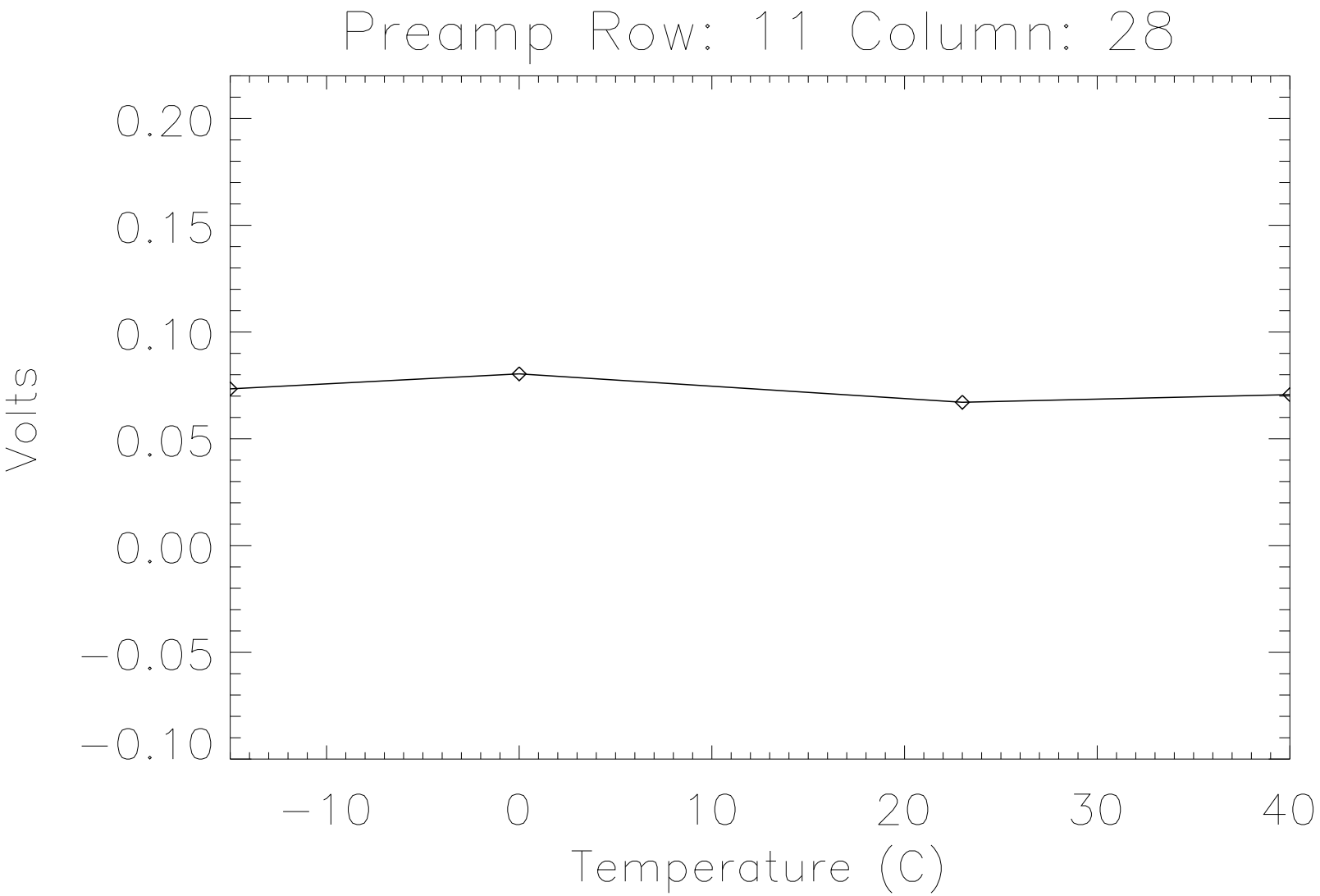

Shaper Row: 11 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

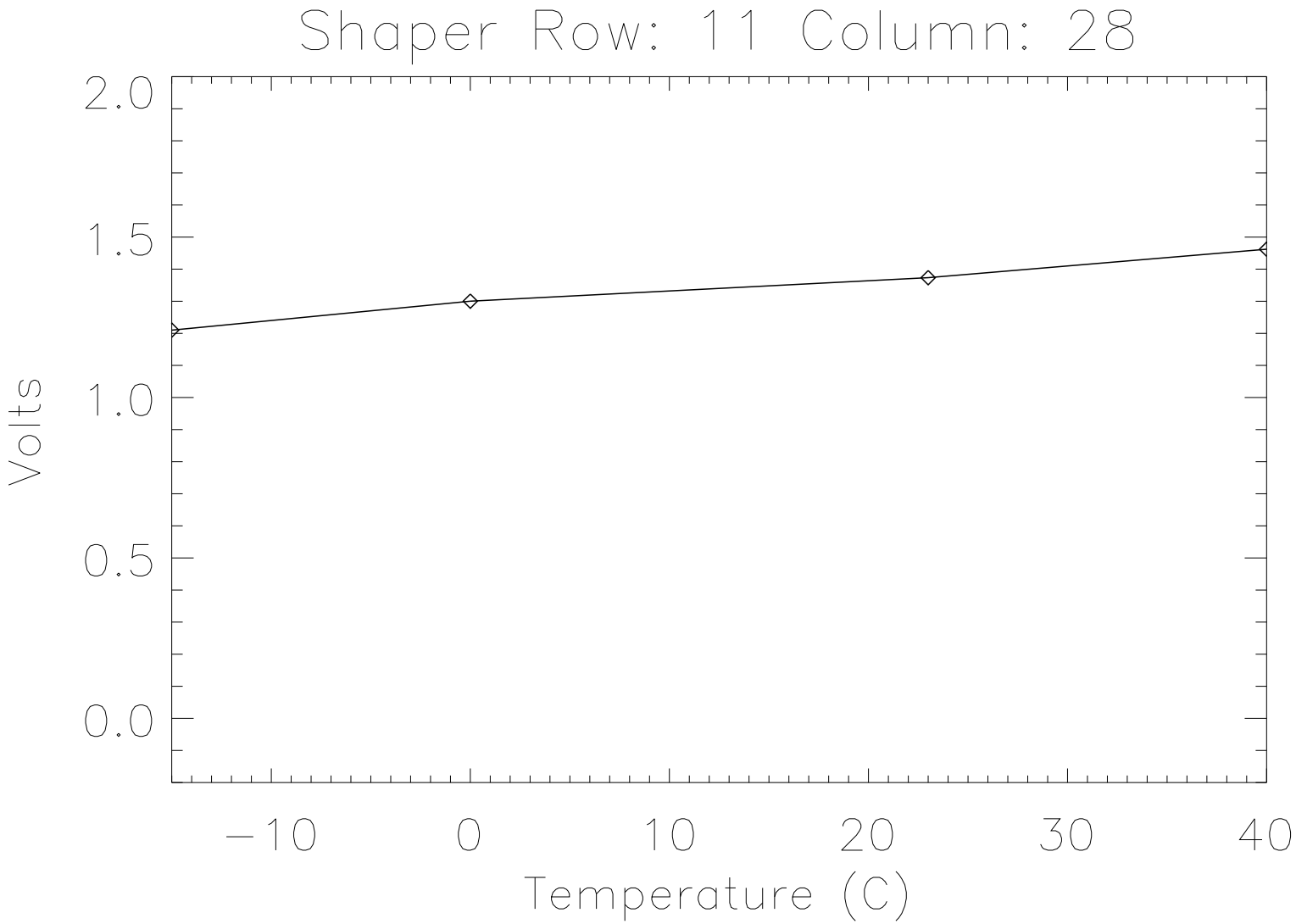

Leakage Row: 11 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

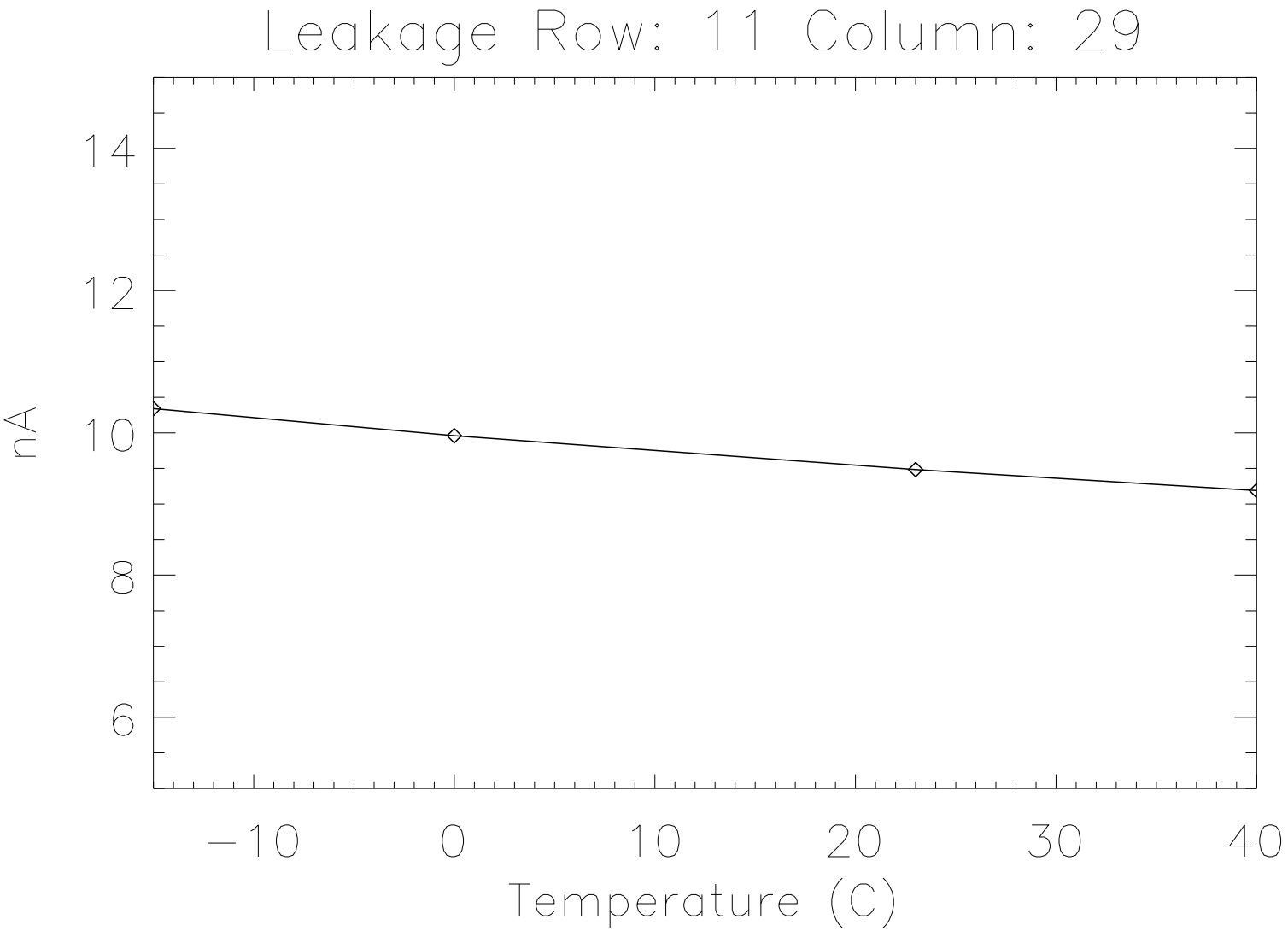

Preamp Row: 11 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

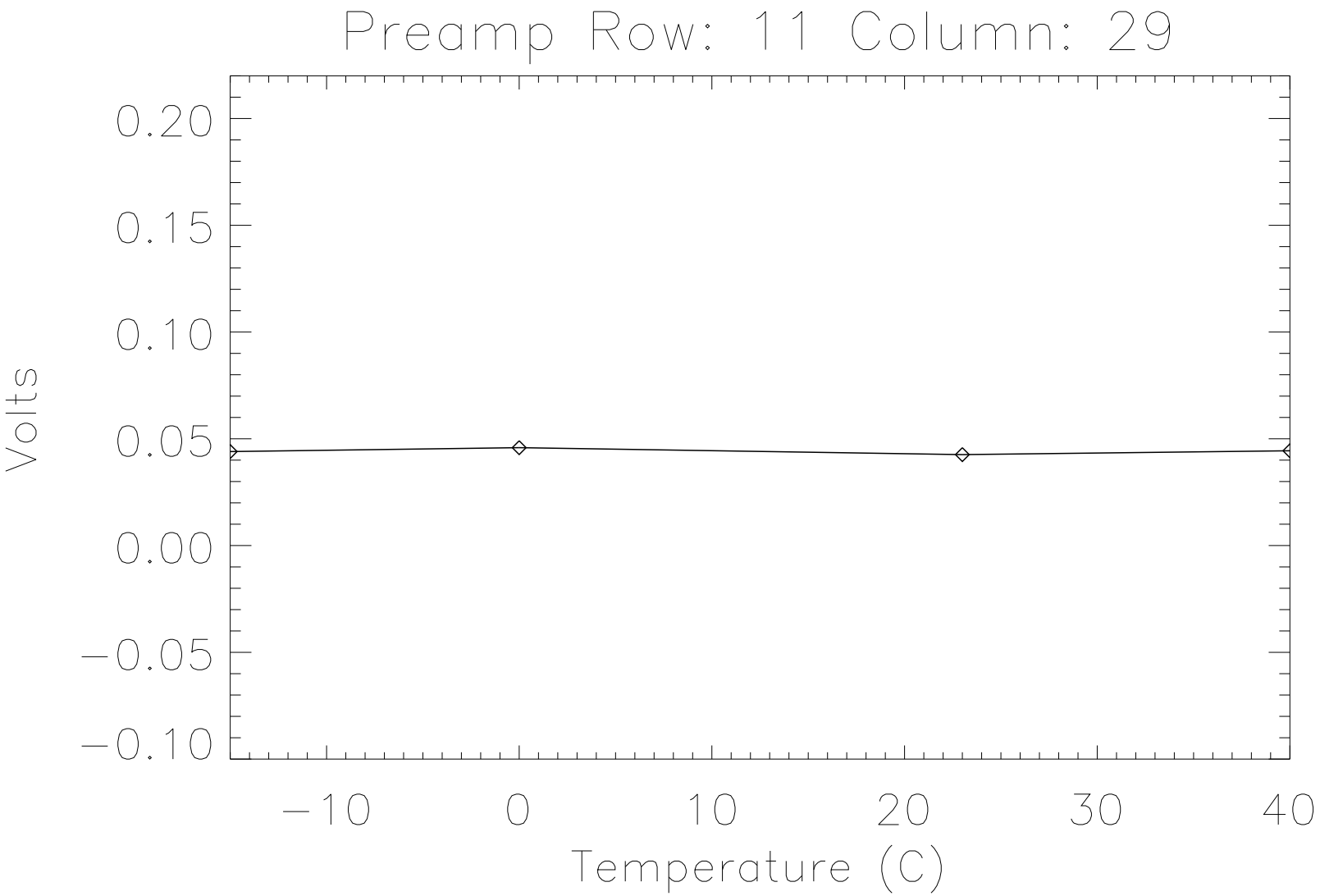

Shaper Row: 11 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

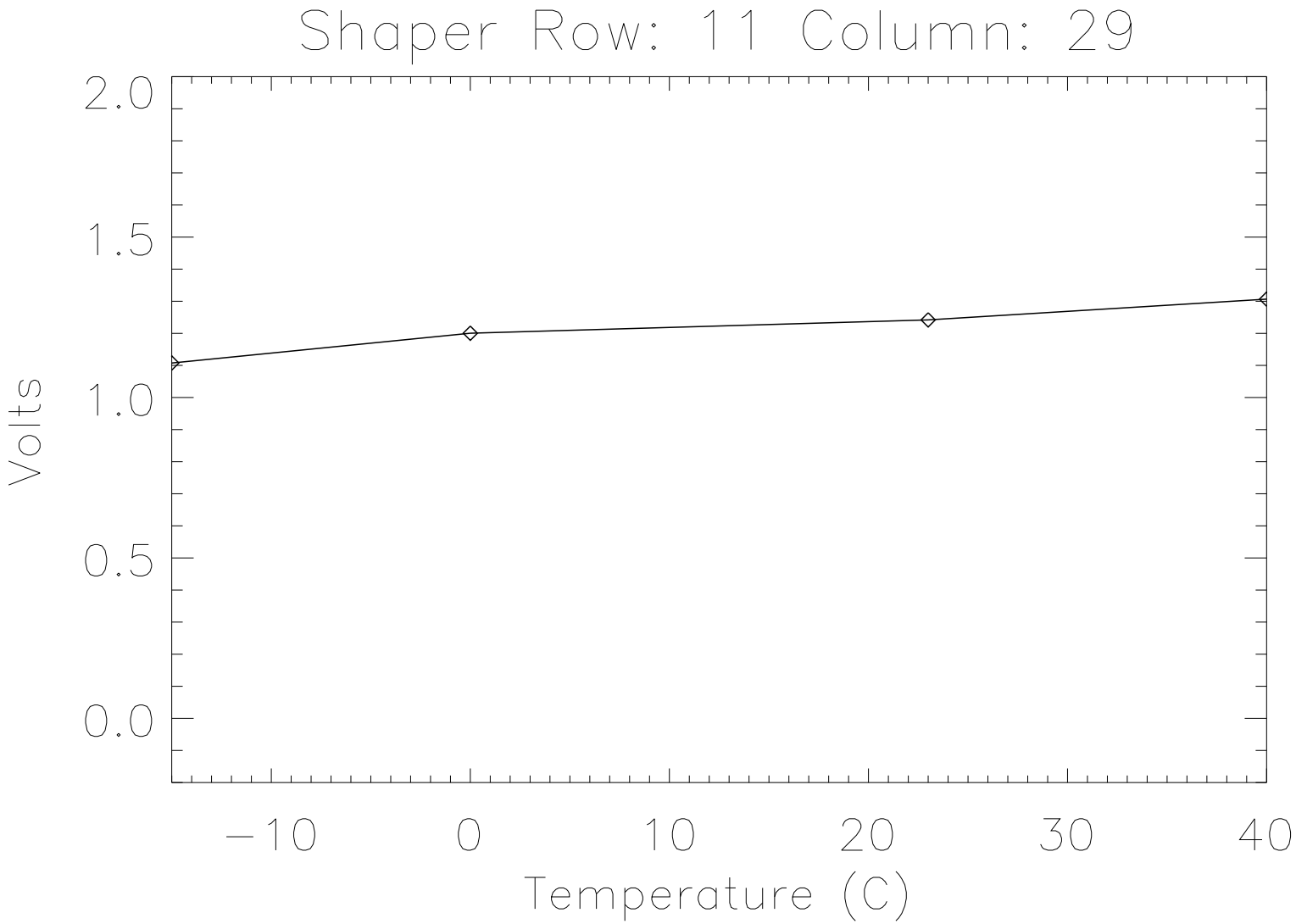

Leakage Row: 11 Column: 28
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

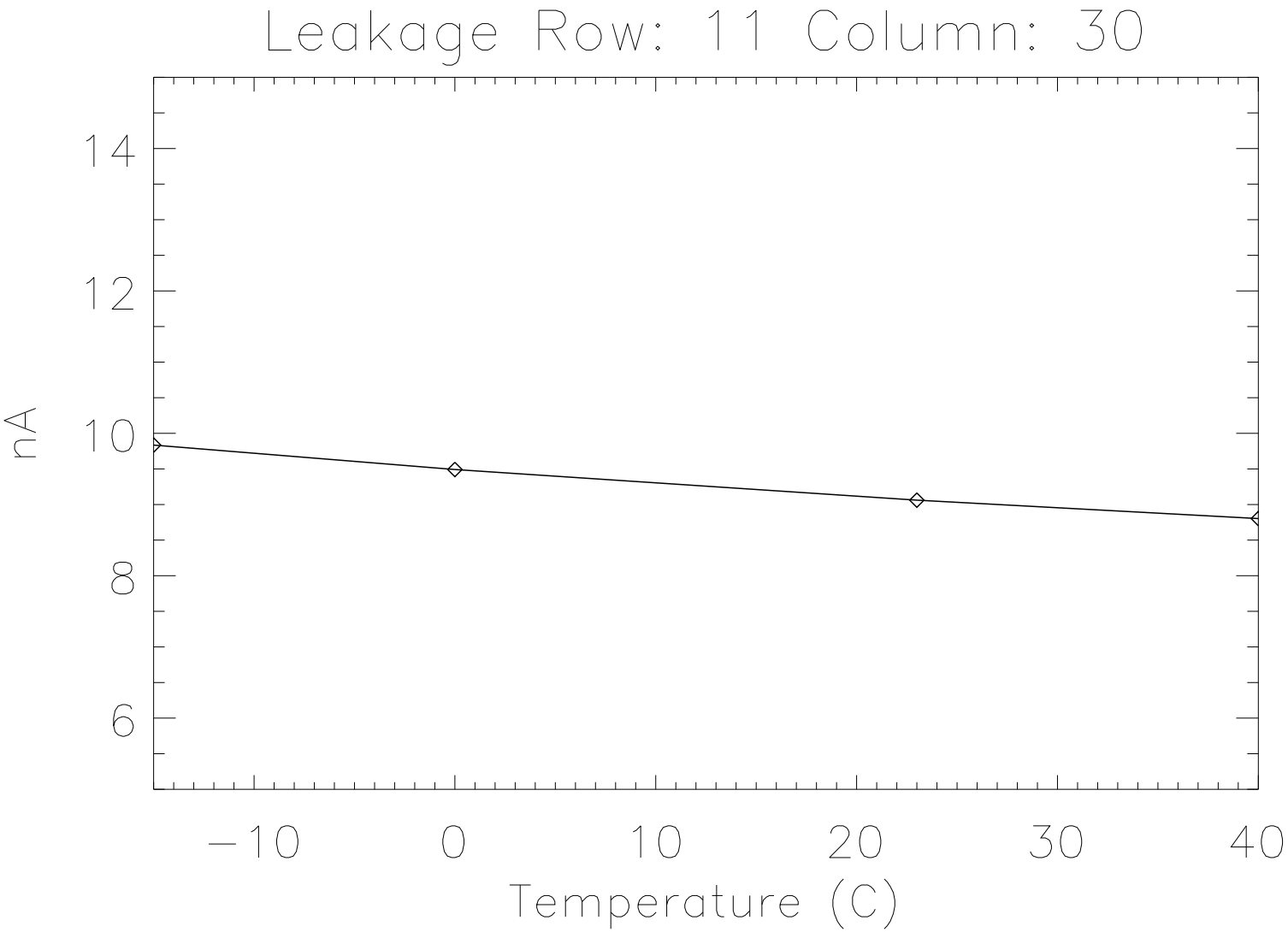

Preamp Row: 11 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

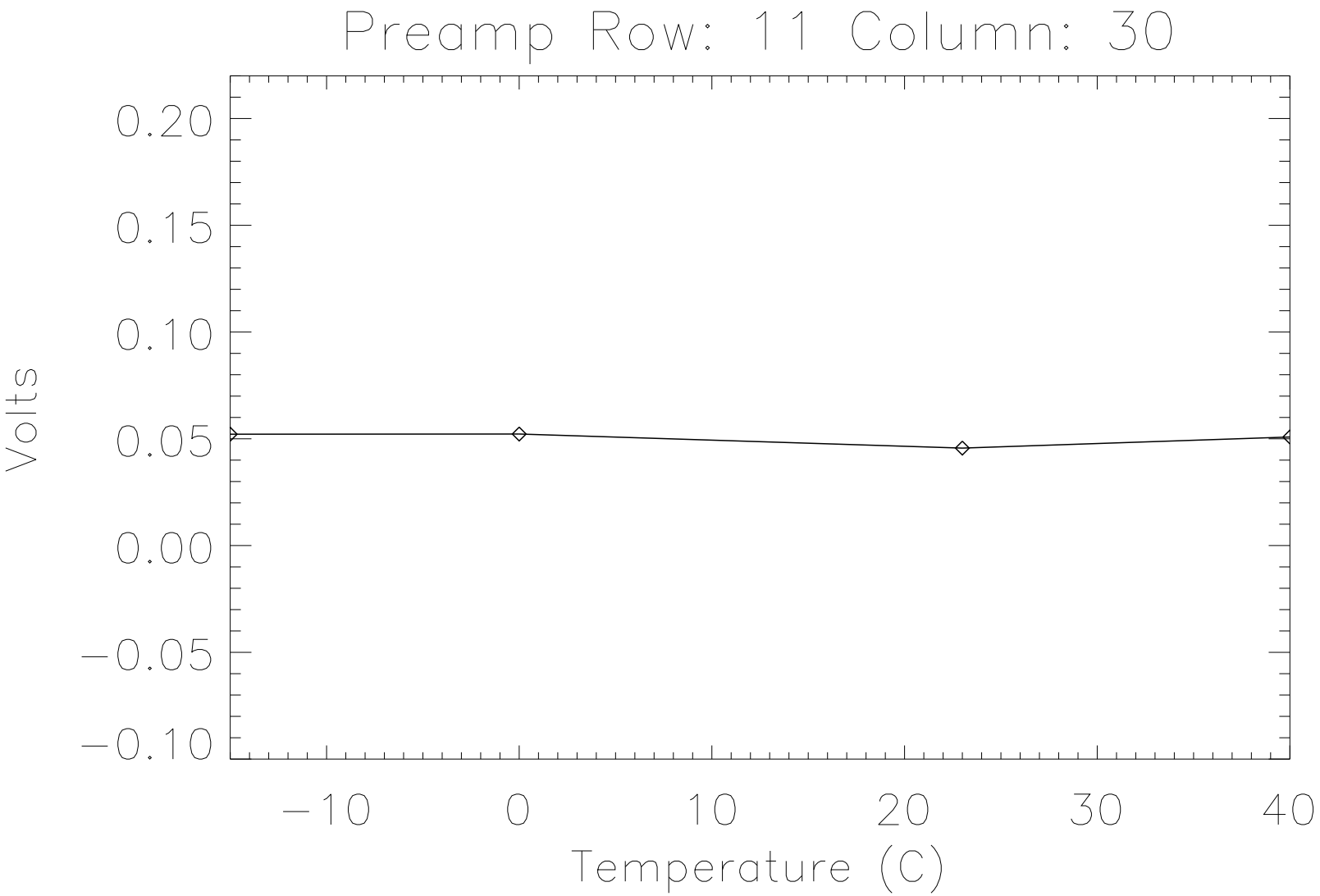

Shaper Row: 11 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

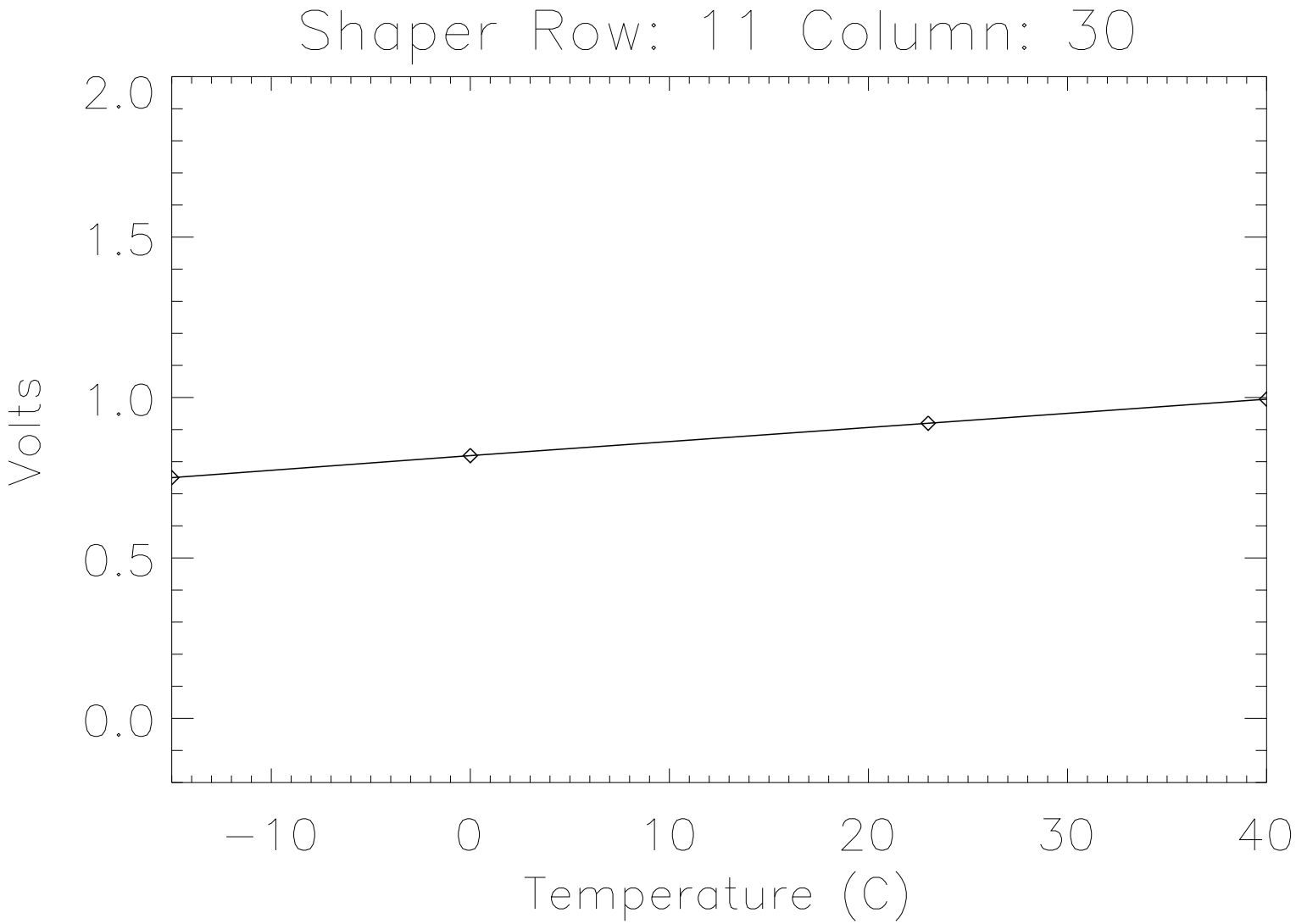

Leakage Row: 11 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 11 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 11 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 11 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 11 Column: 30
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 11 Column: 30
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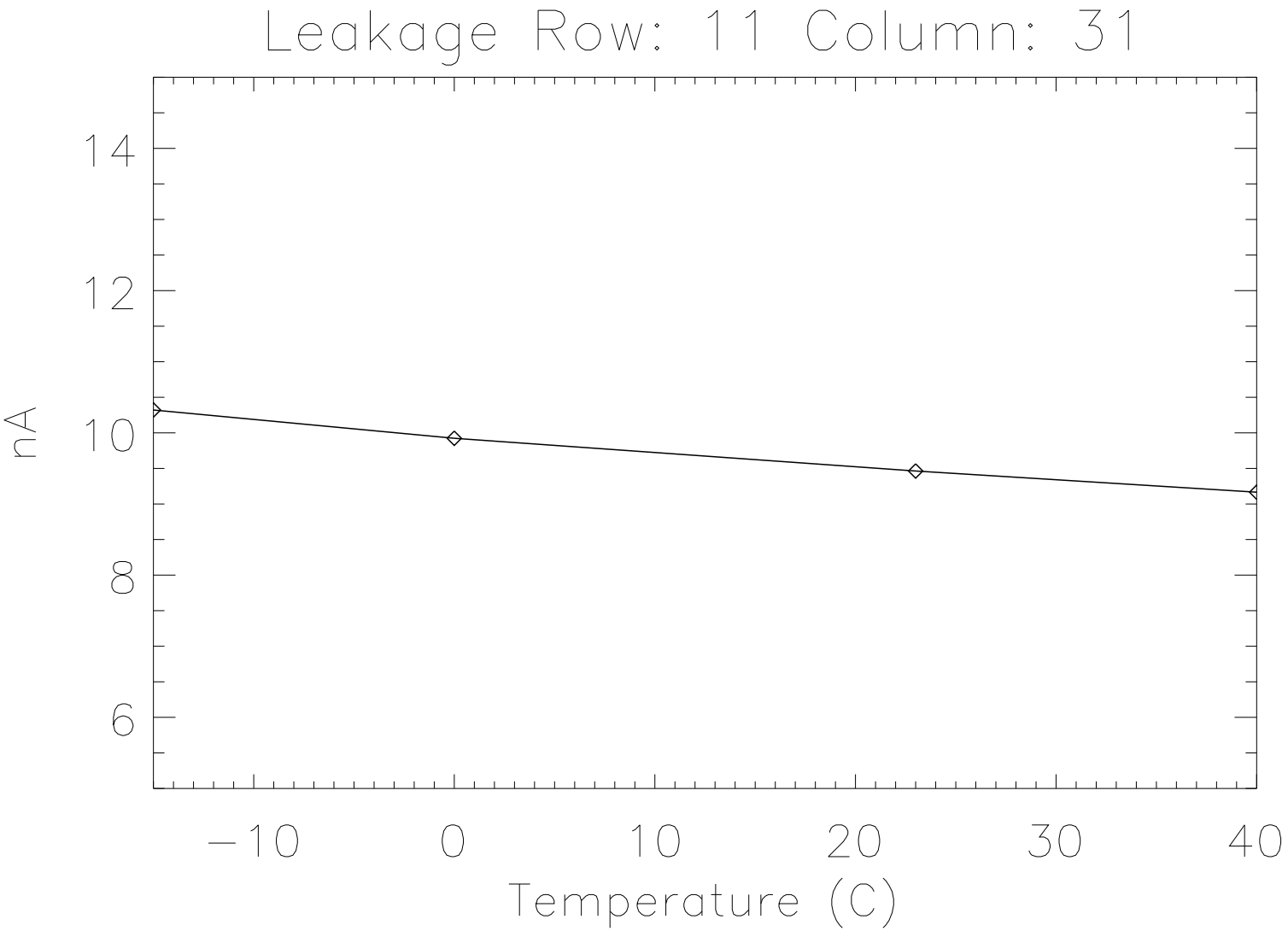
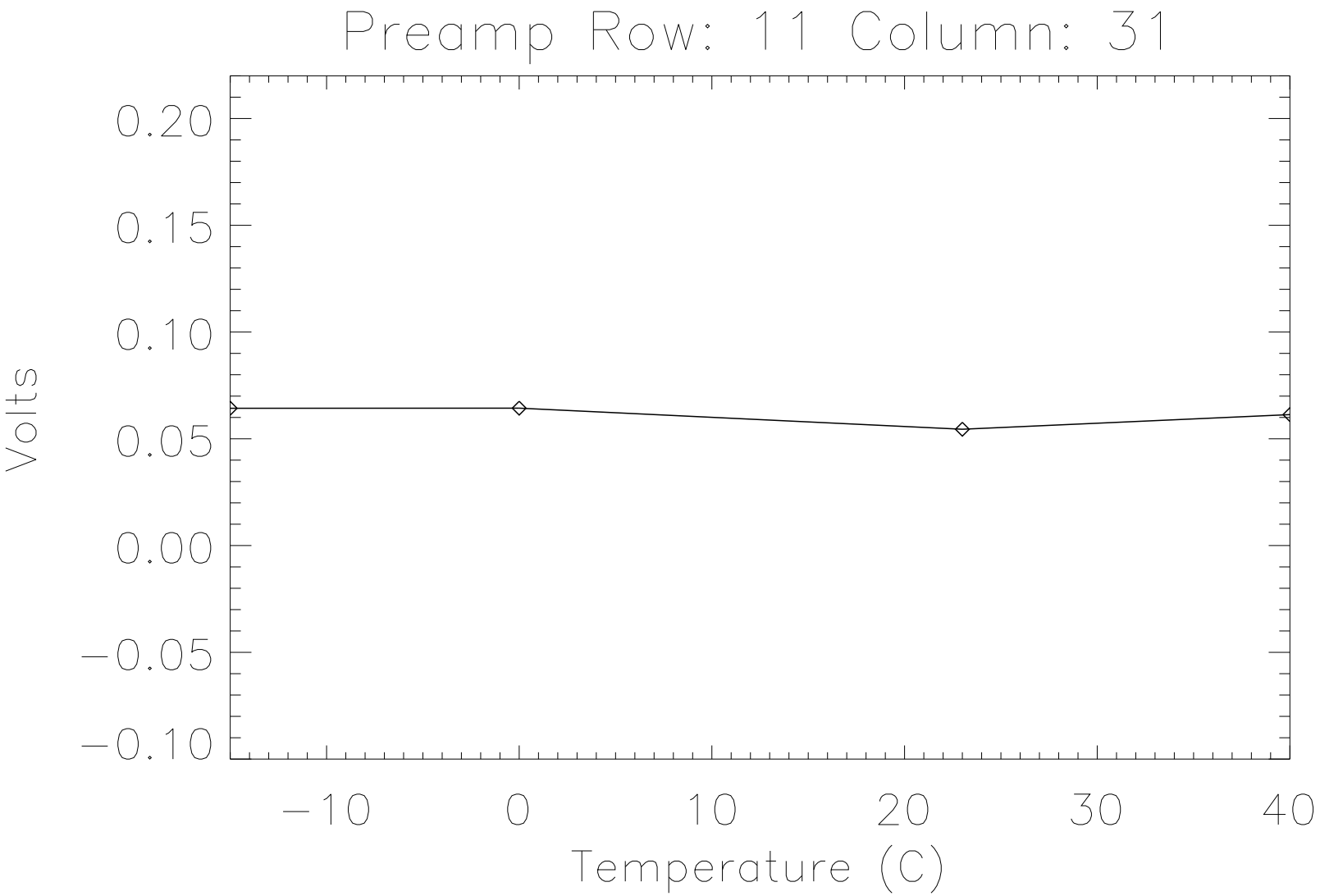
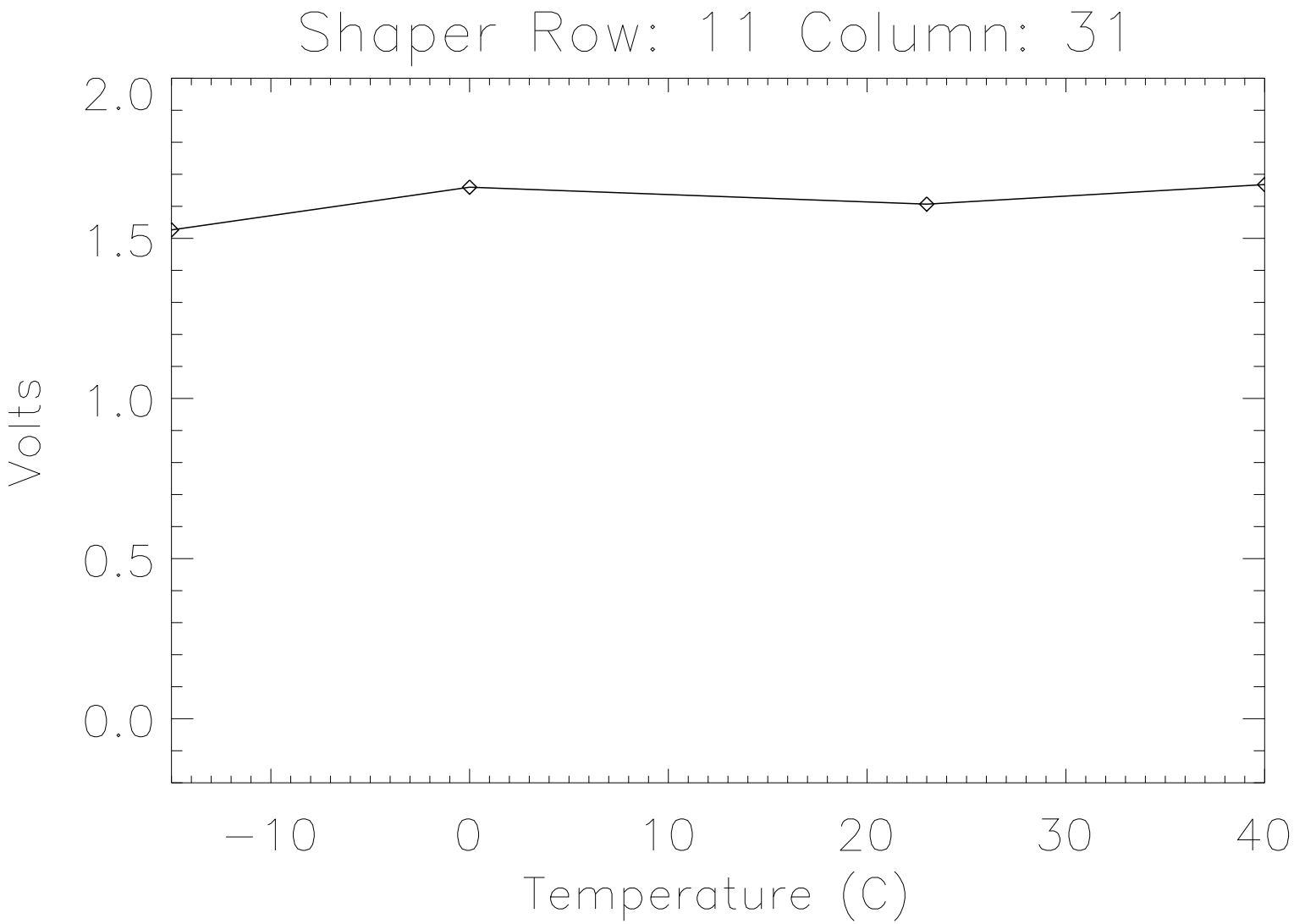
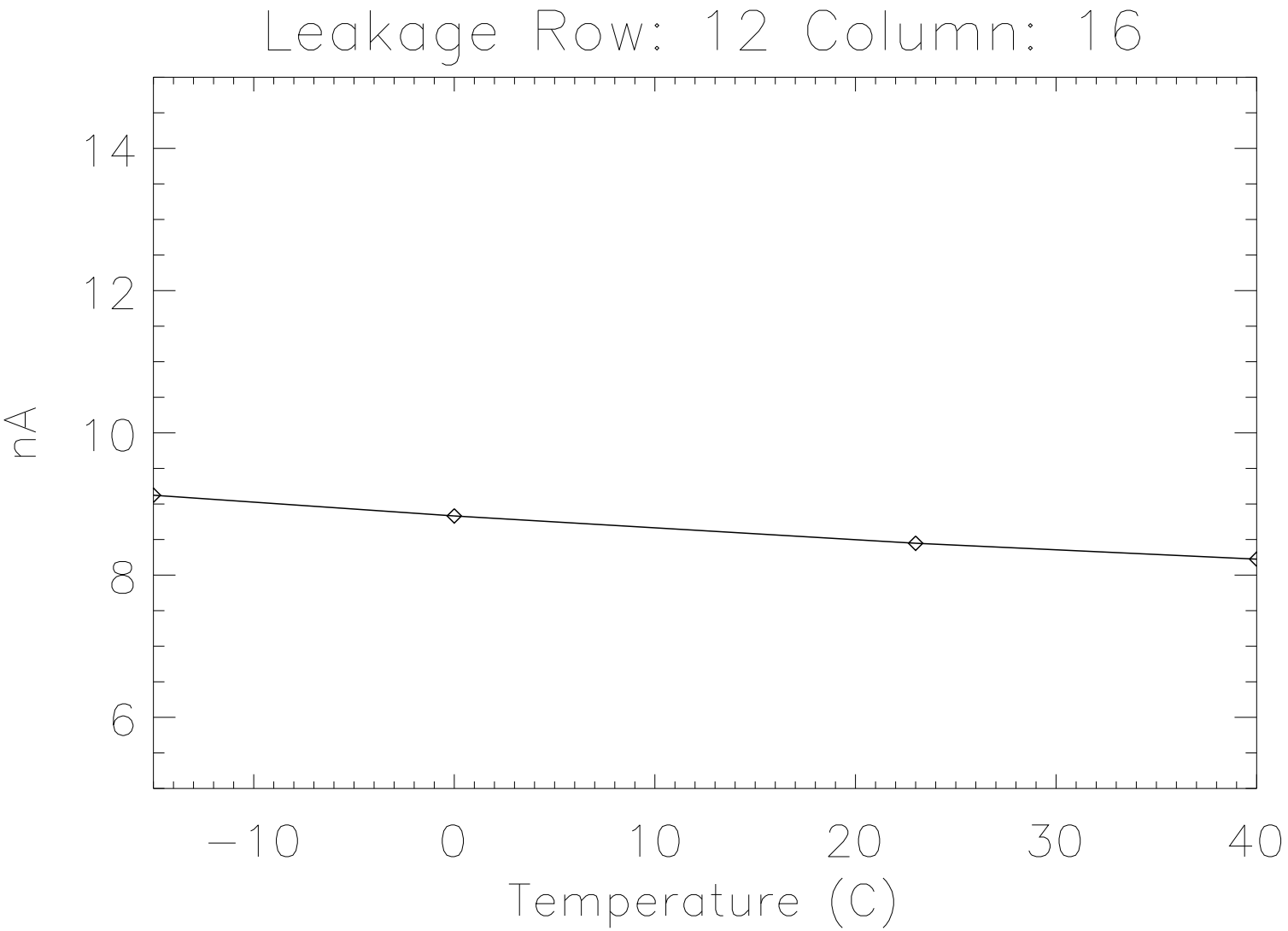
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 11 Column: 31
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 11 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 11 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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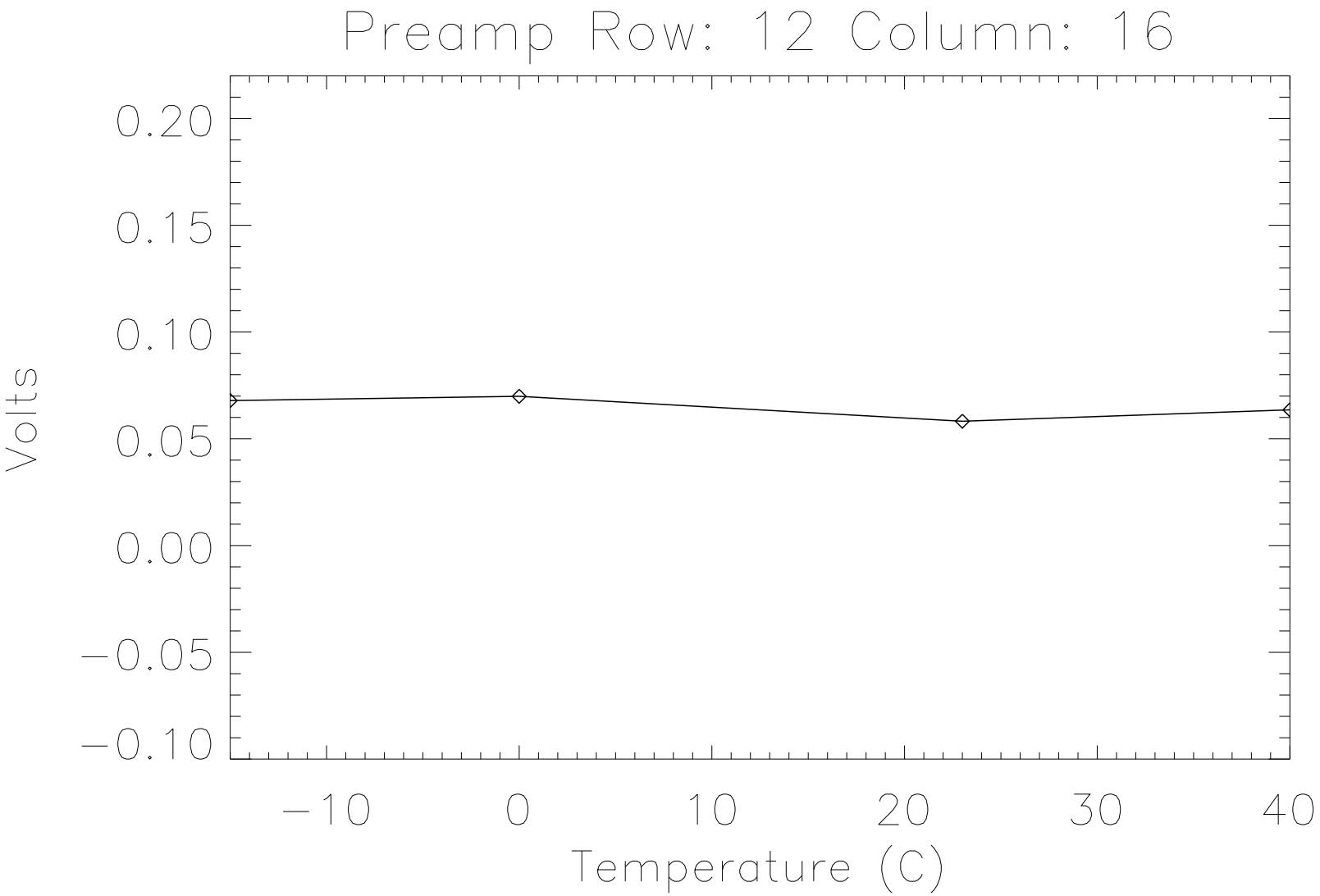
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 12 Column: 16
0.20
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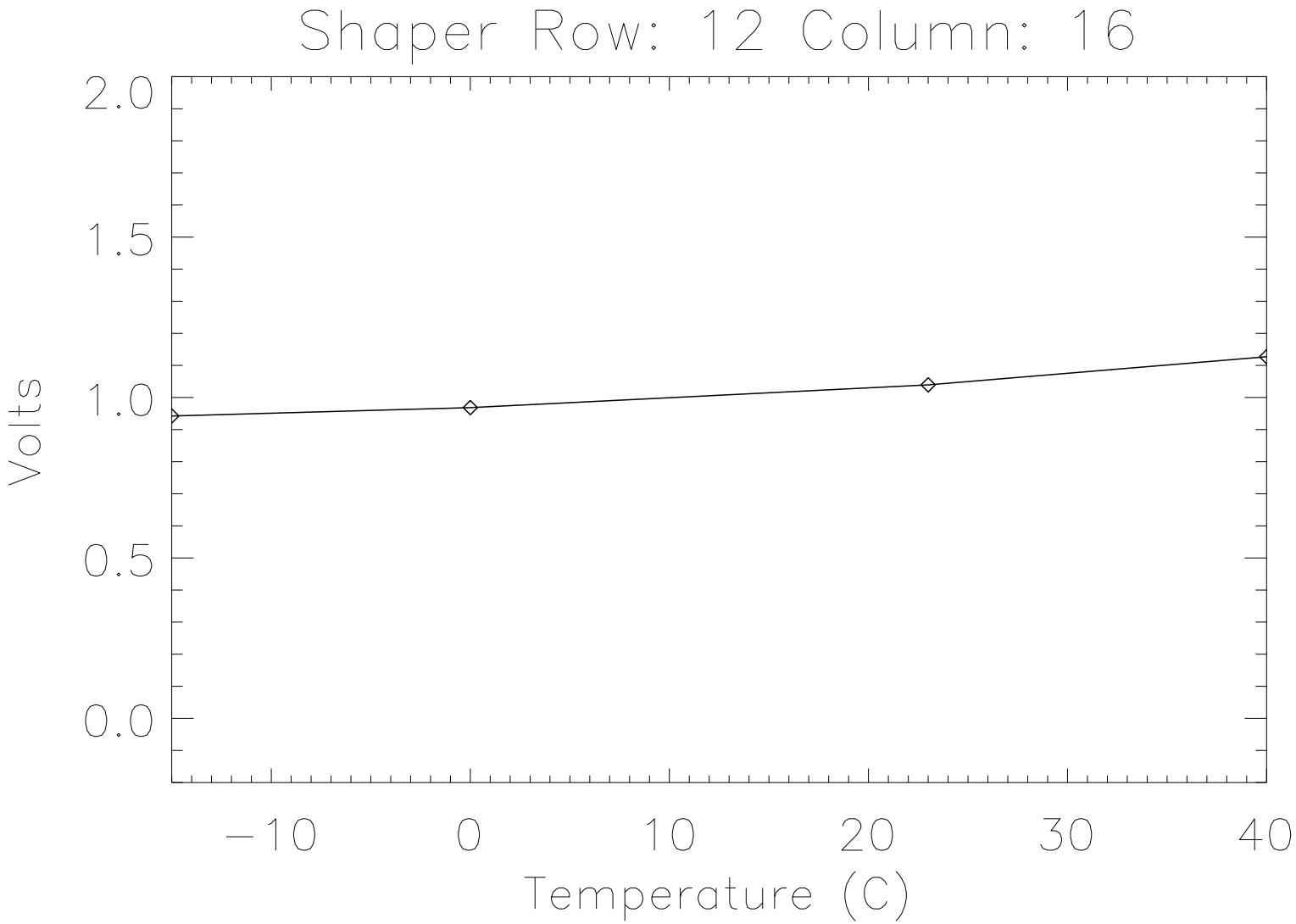
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 12 Column: 16
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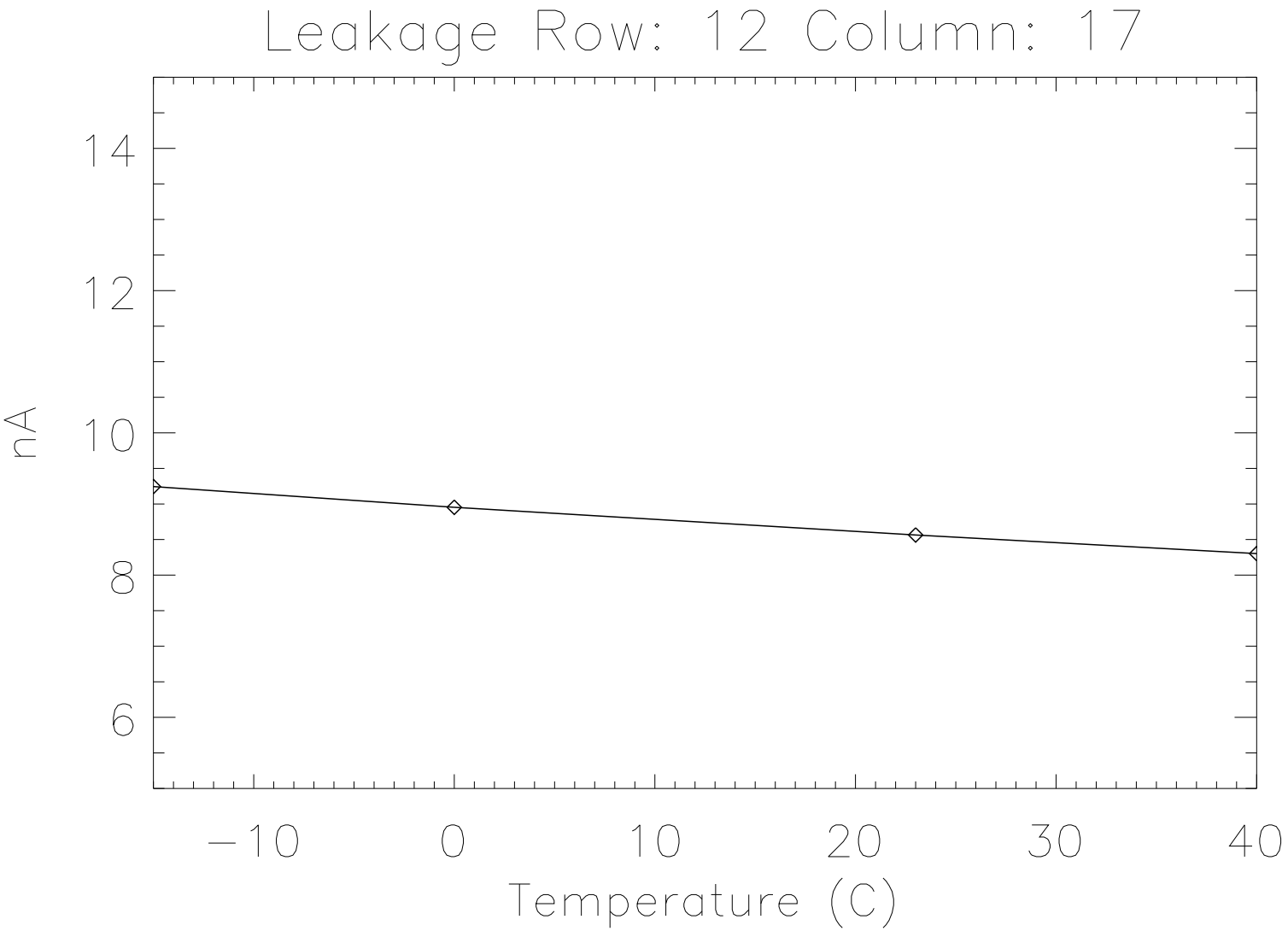
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 12 Column: 17
nA
14
12
10
8
6
−10
0
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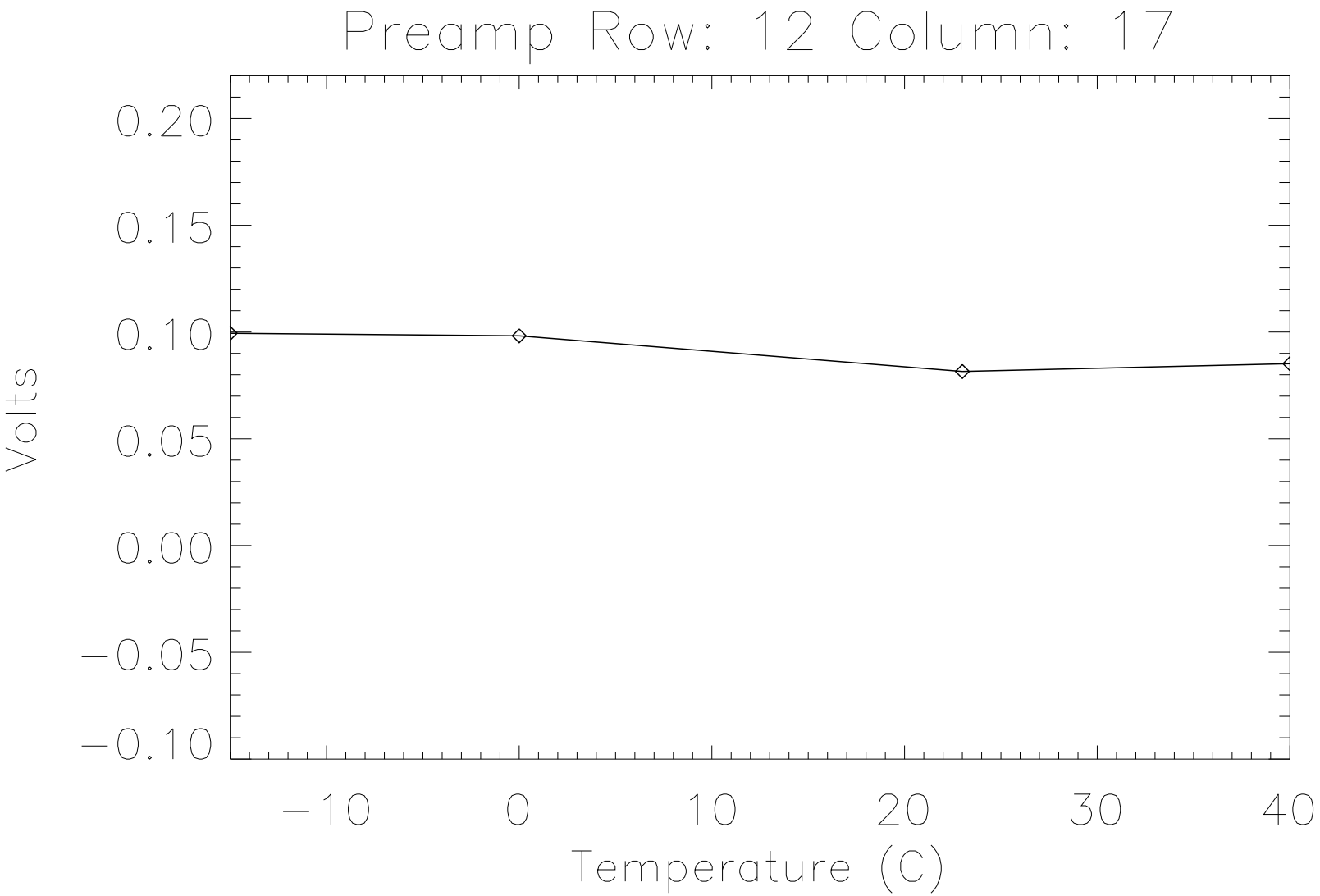
20
30
40
Temperature (C)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0.00
−0.05
−0.10
Volts
−10
0
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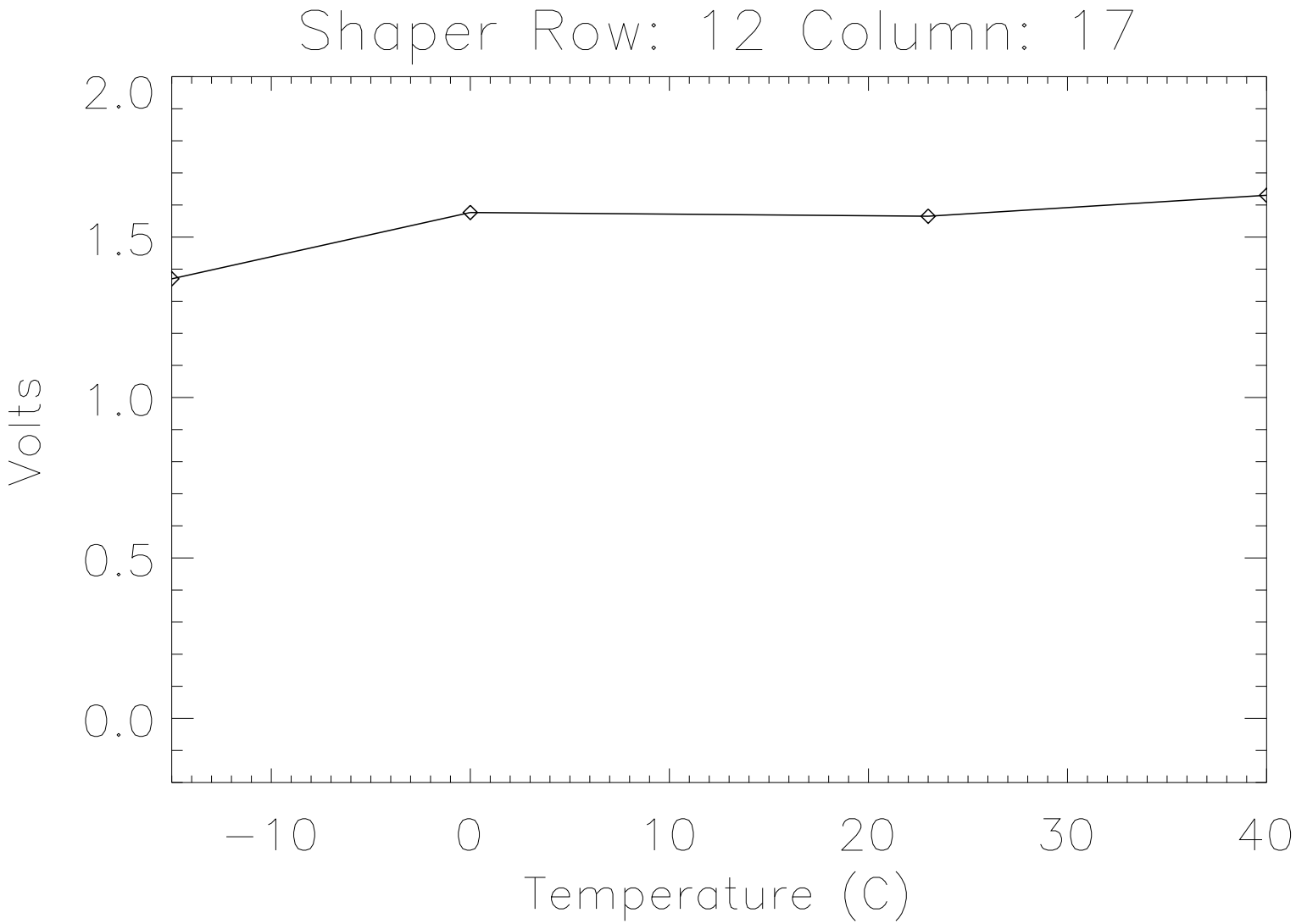
20
30
40
Temperature (C)


Shaper Row: 12 Column: 17
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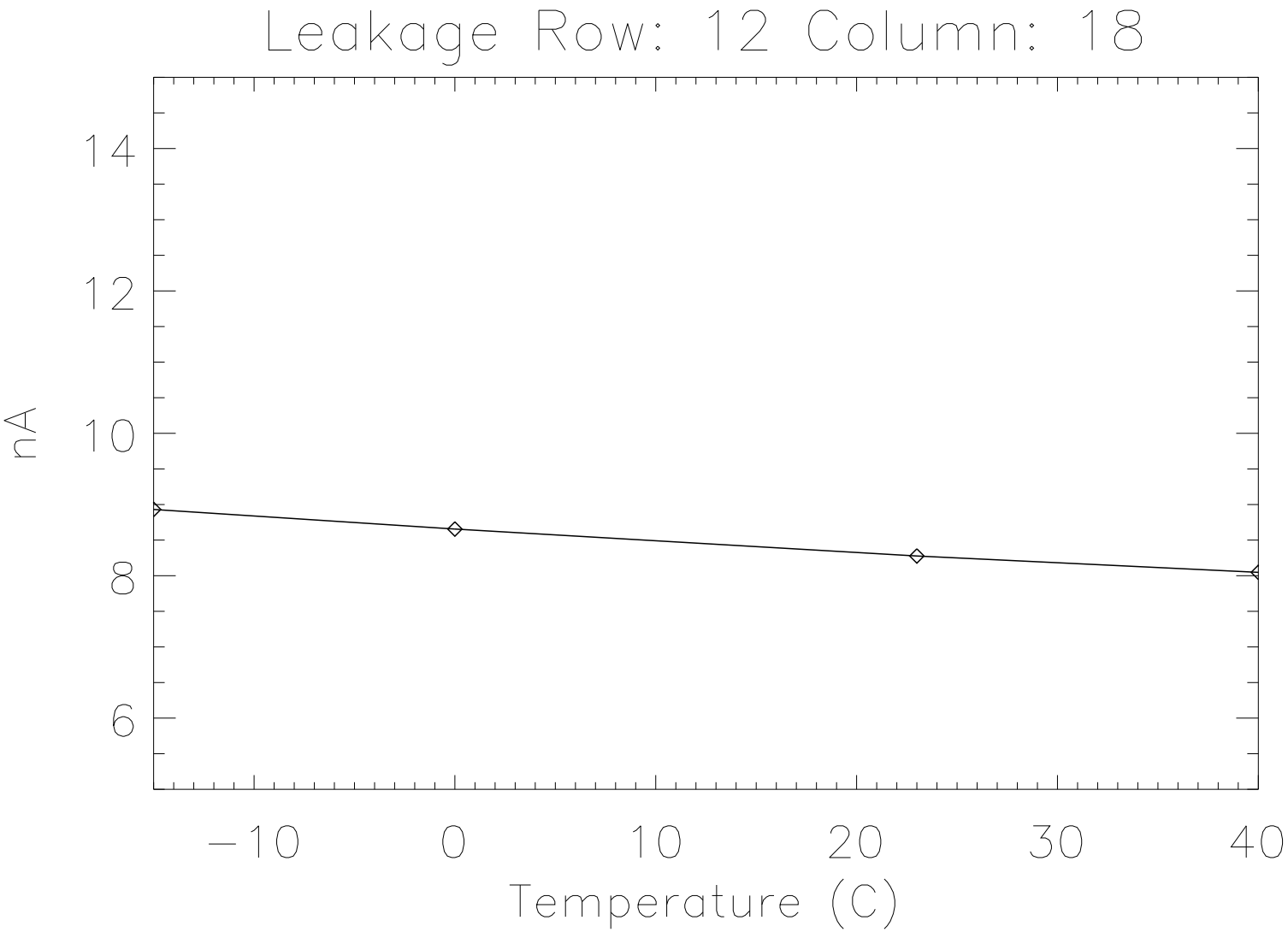
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 12 Column: 18
nA
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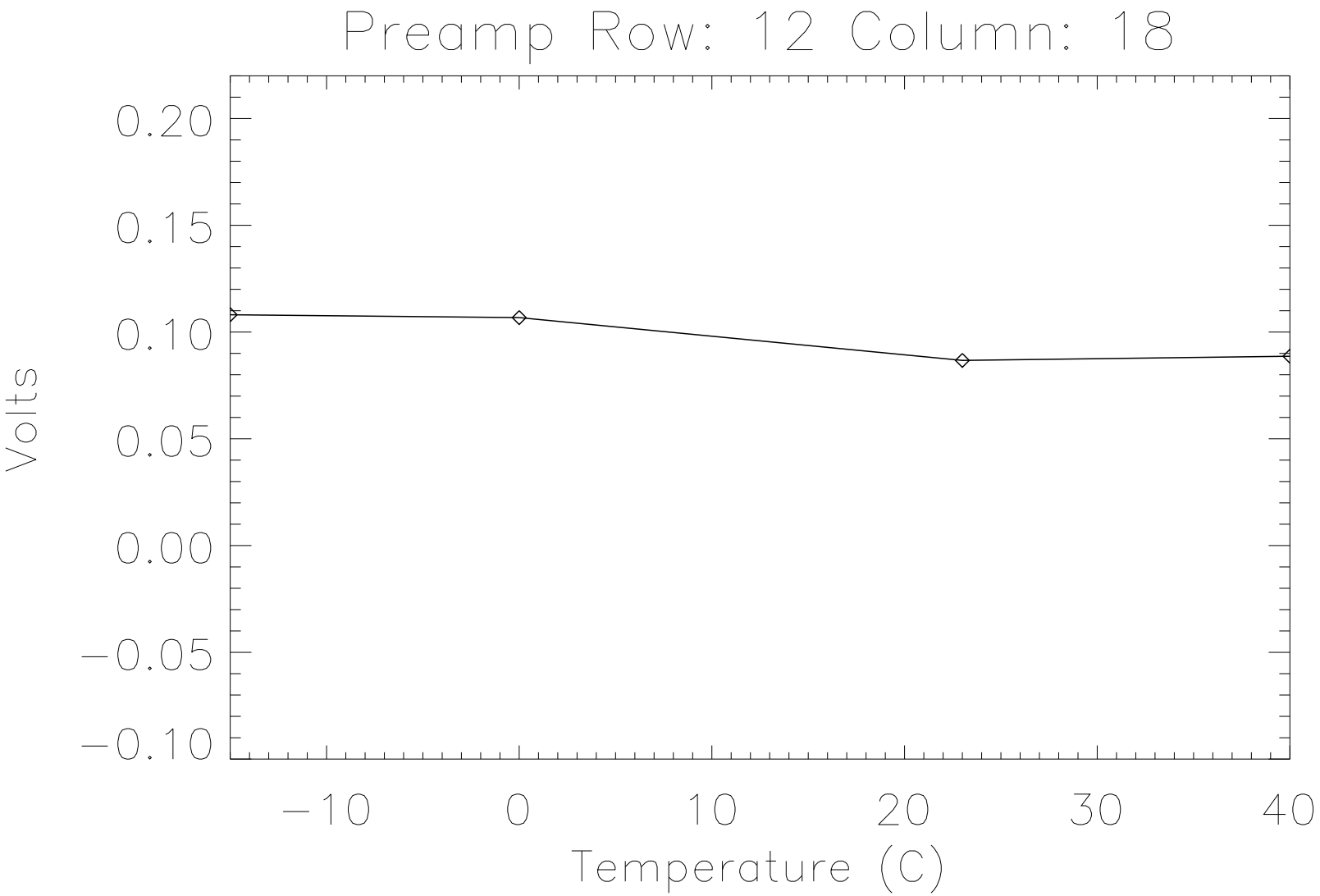
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 12 Column: 18
0.20
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0.10
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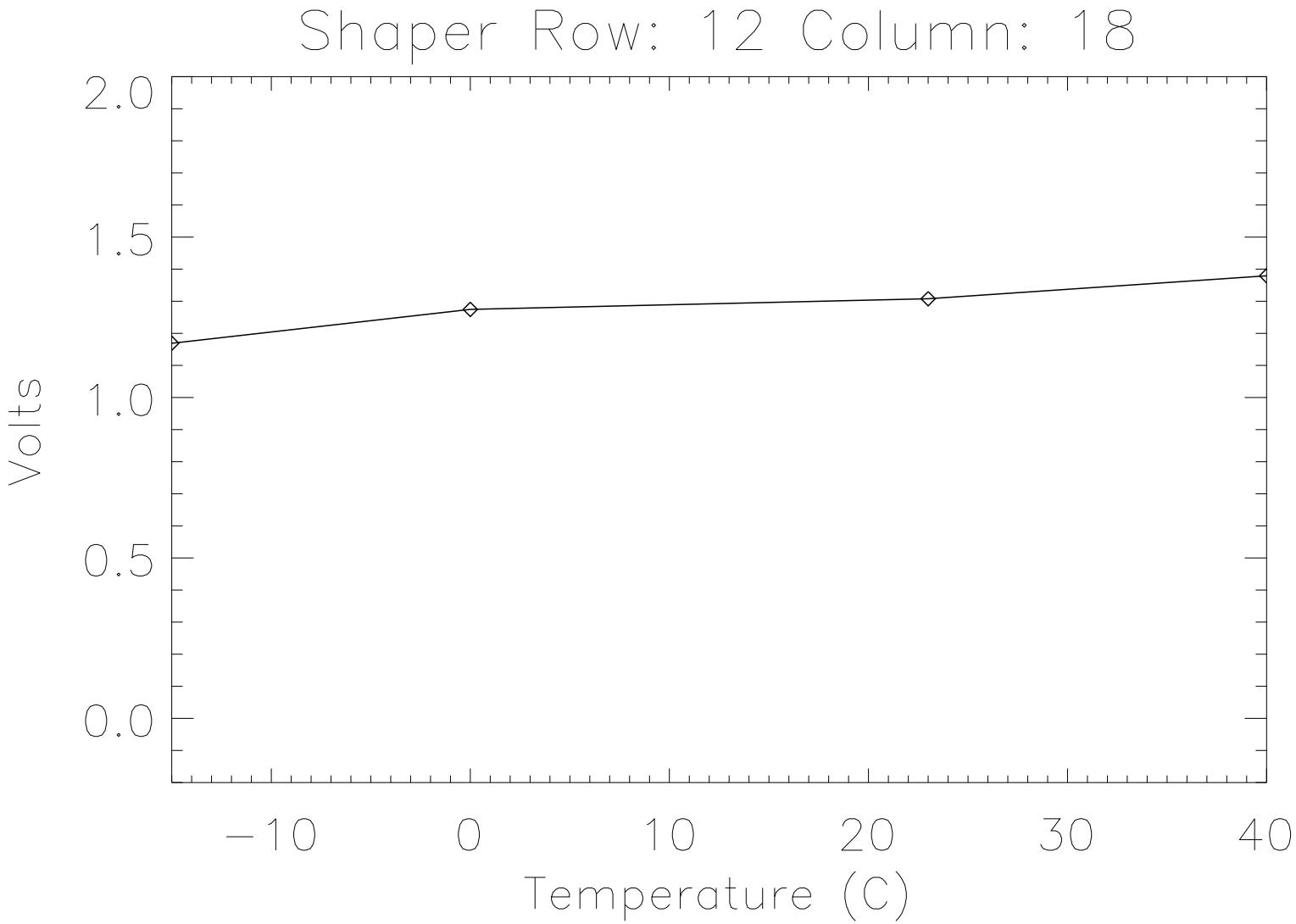
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 12 Column: 18
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1.0
0.5
0.0
Volts
−10
0
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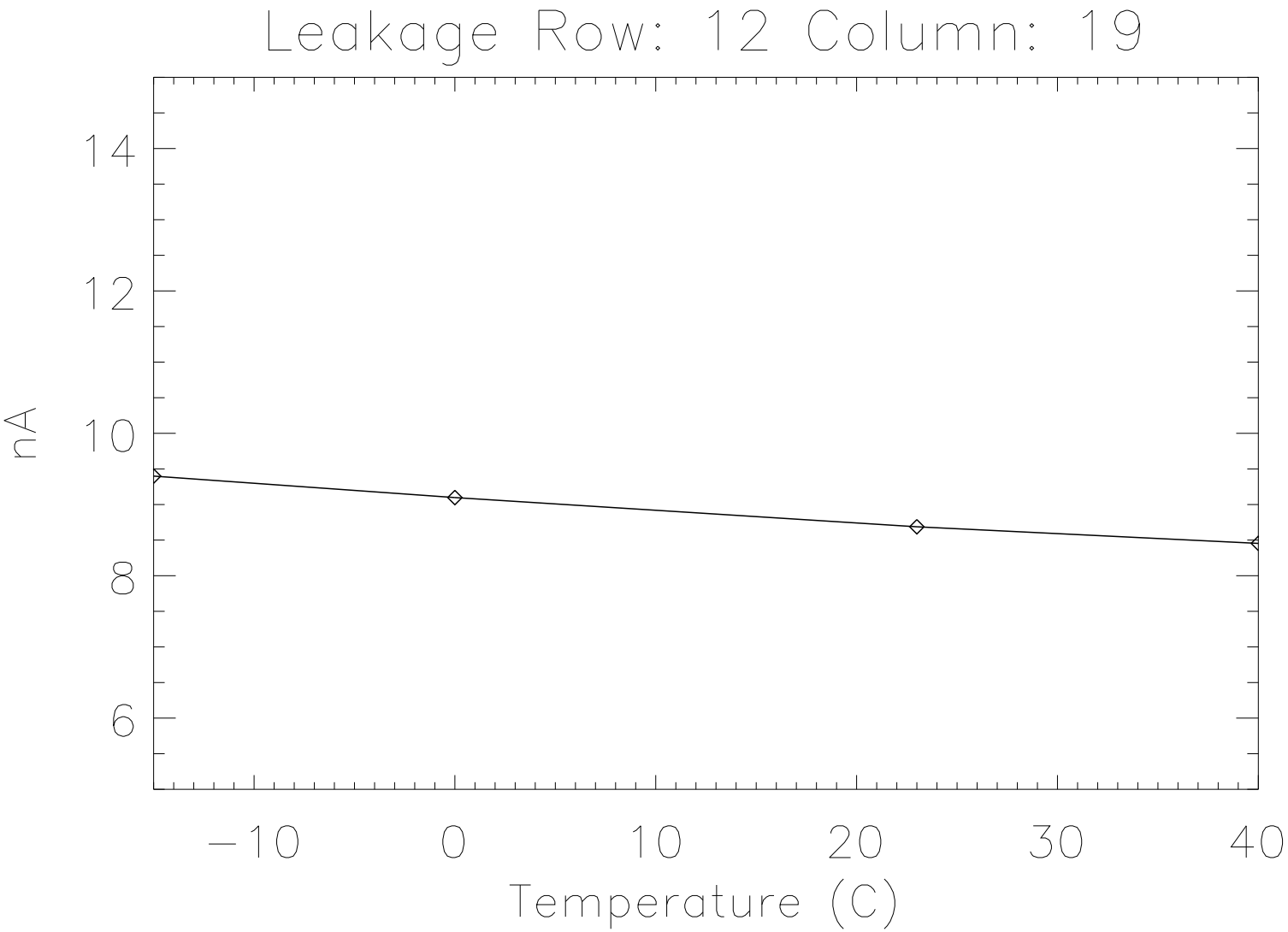
30
40
Temperature (C)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nA
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8
6
−10
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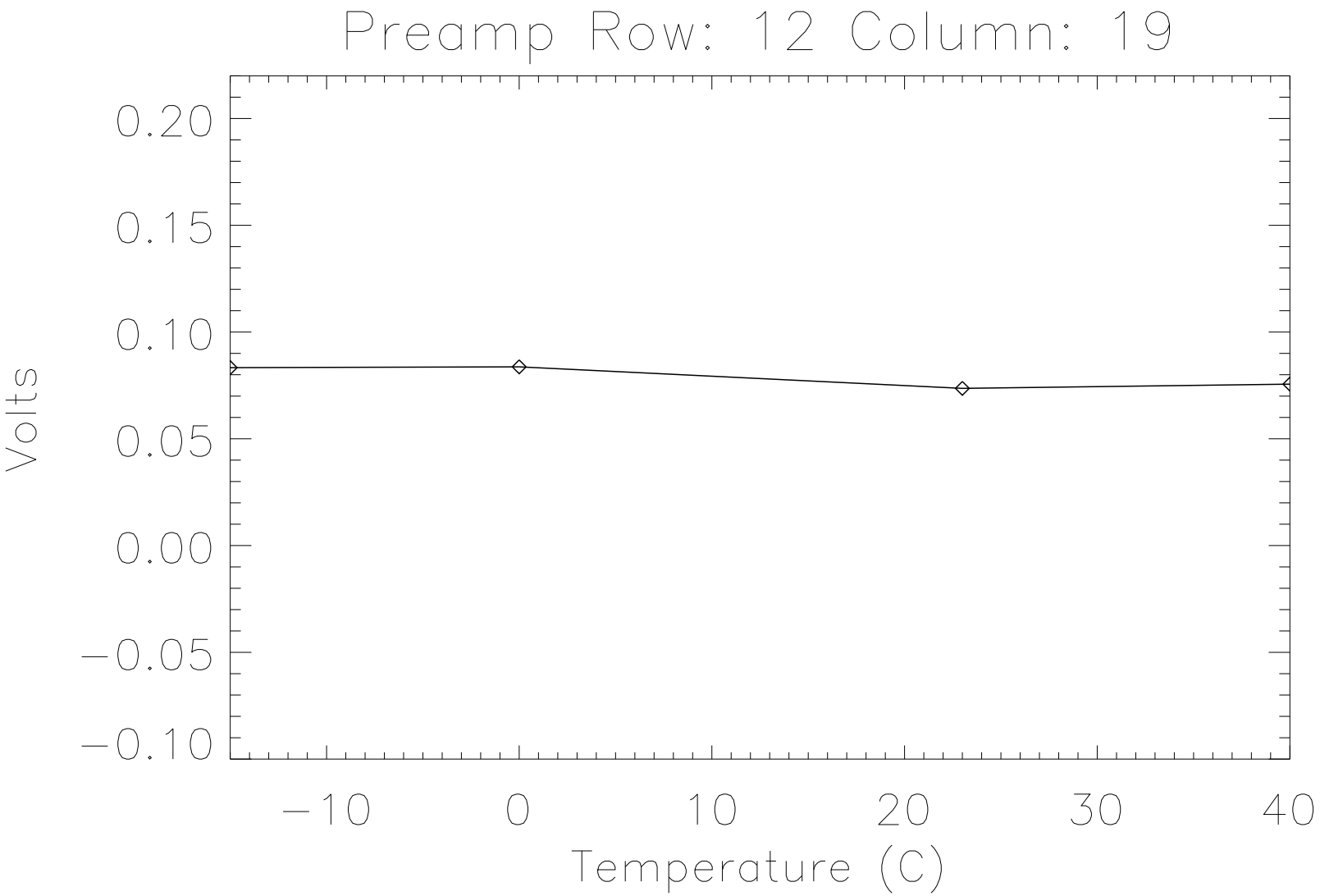
20
30
40
Temperature (C)


Preamp Row: 12 Column: 19
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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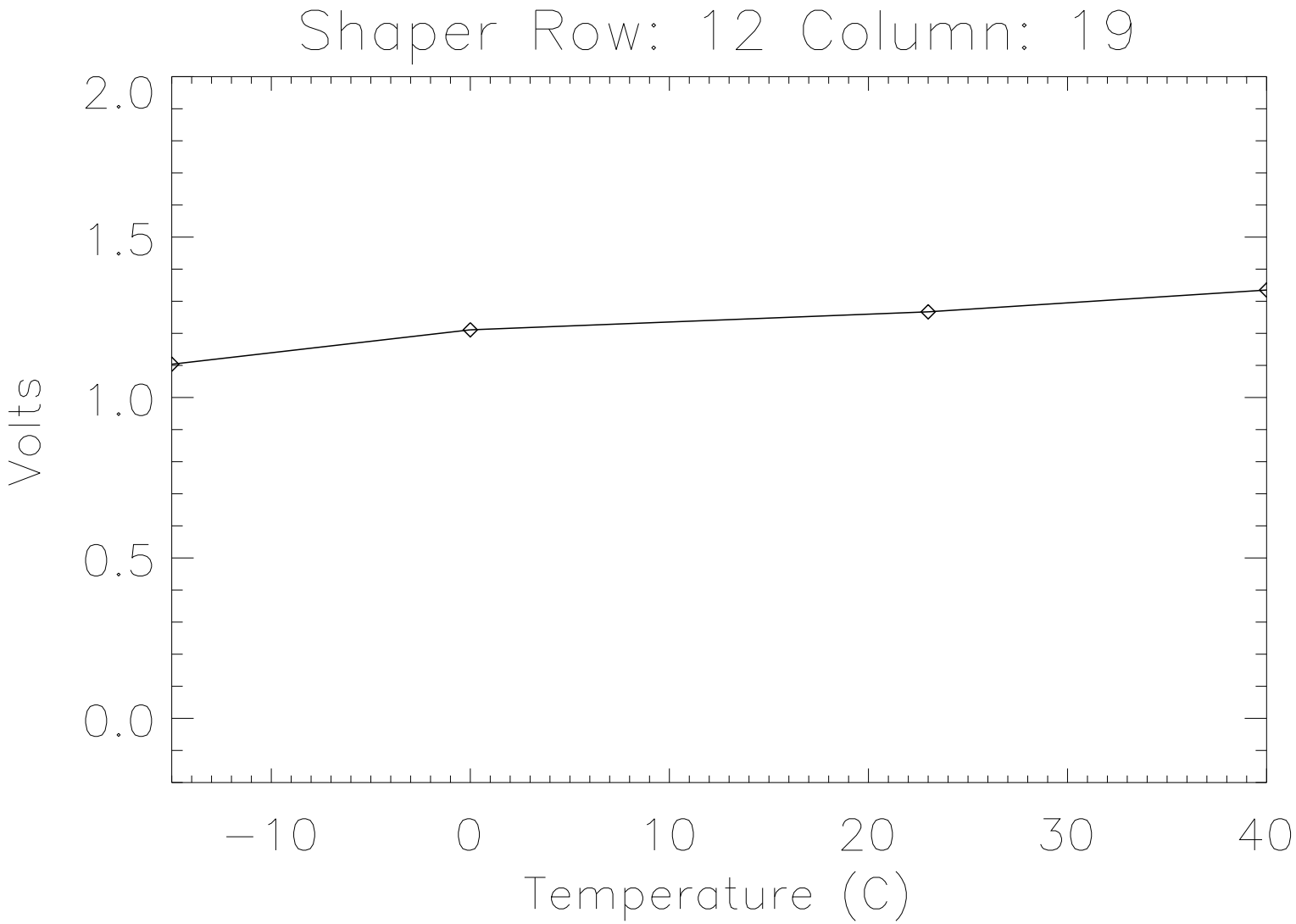
30
40
Temperature (C)


Shaper Row: 12 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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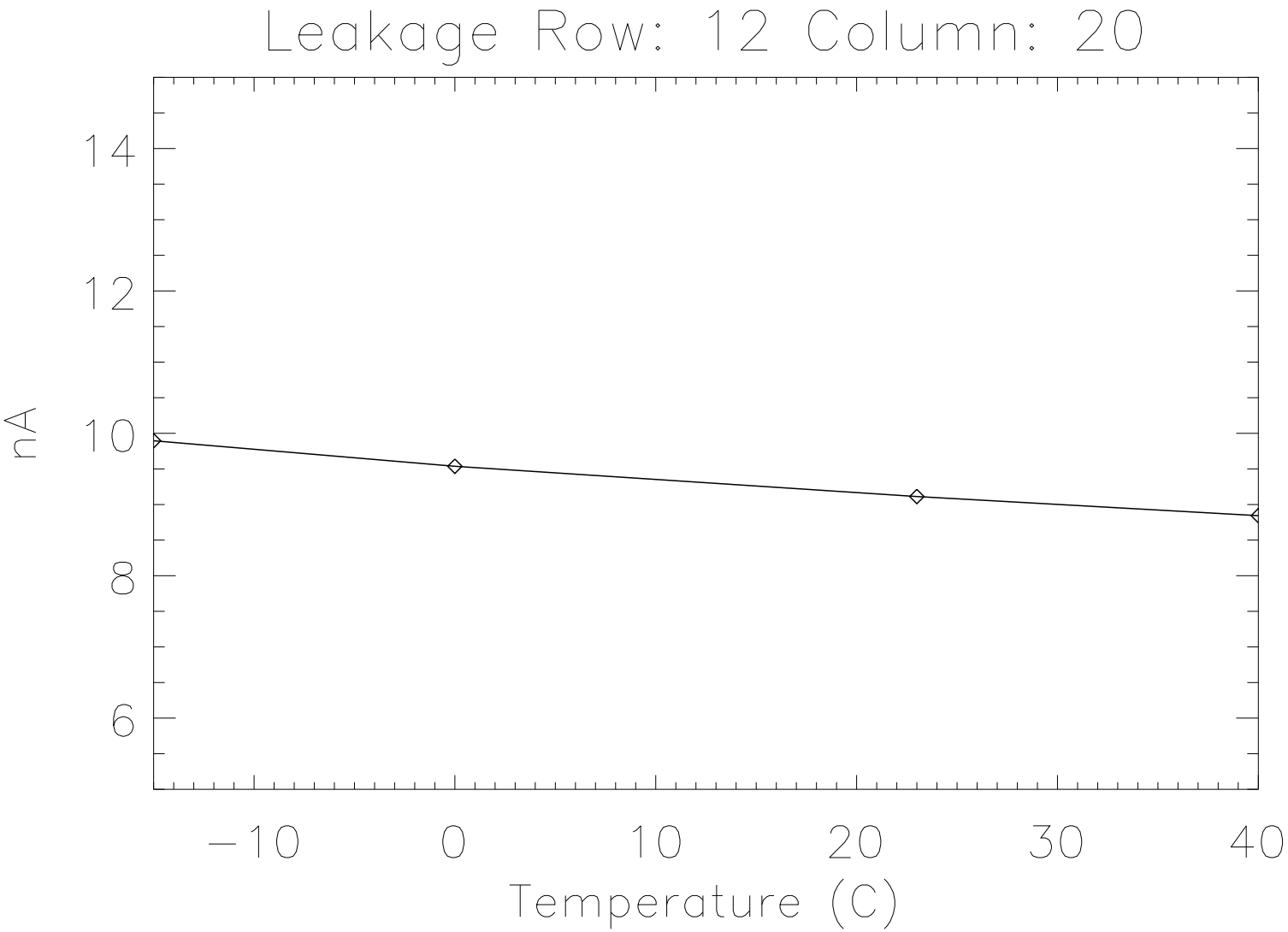
20
30
40
Temperature (C)


Leakage Row: 12 Column: 20
nA
14
12
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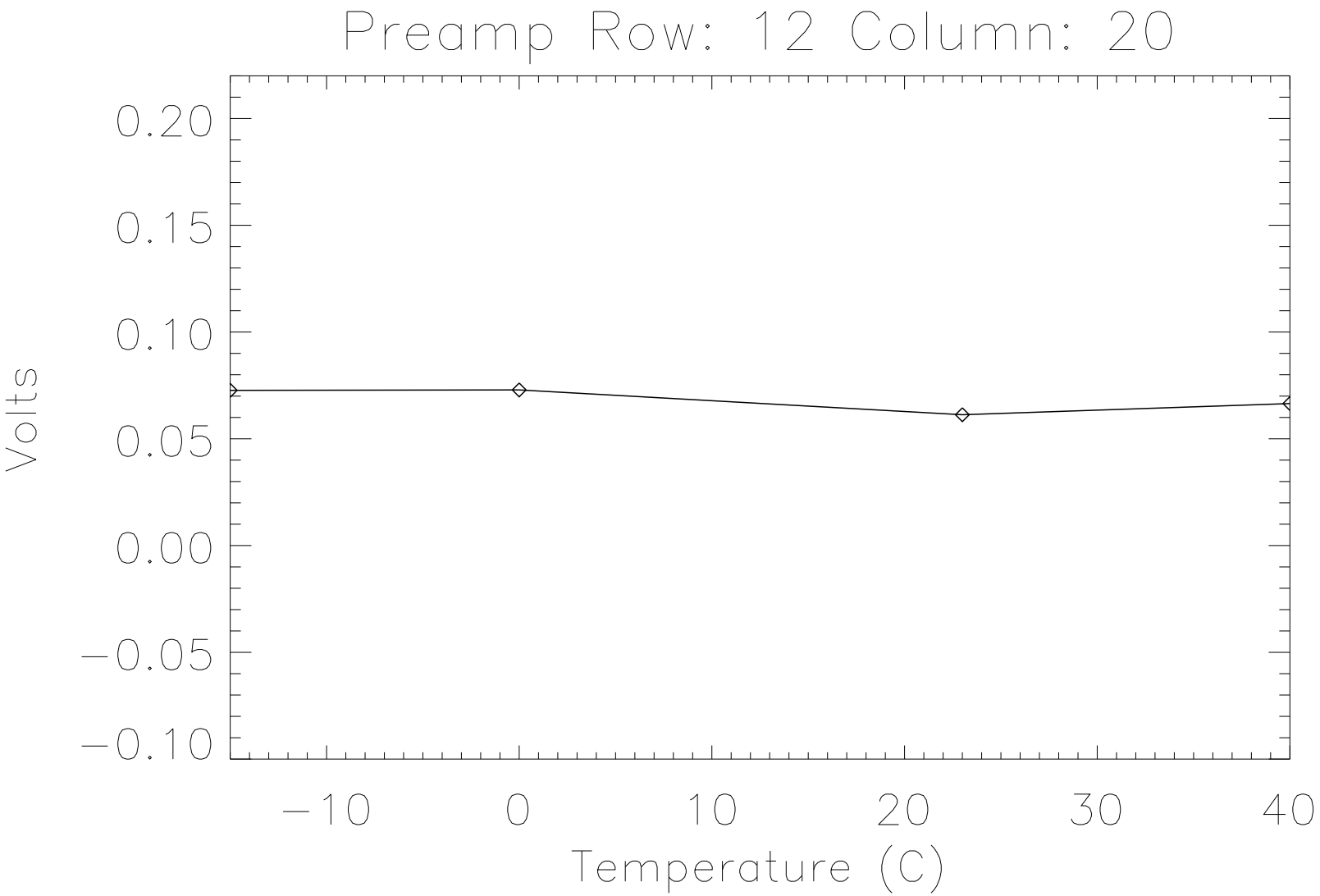
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 12 Column: 20
0.20
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0.10
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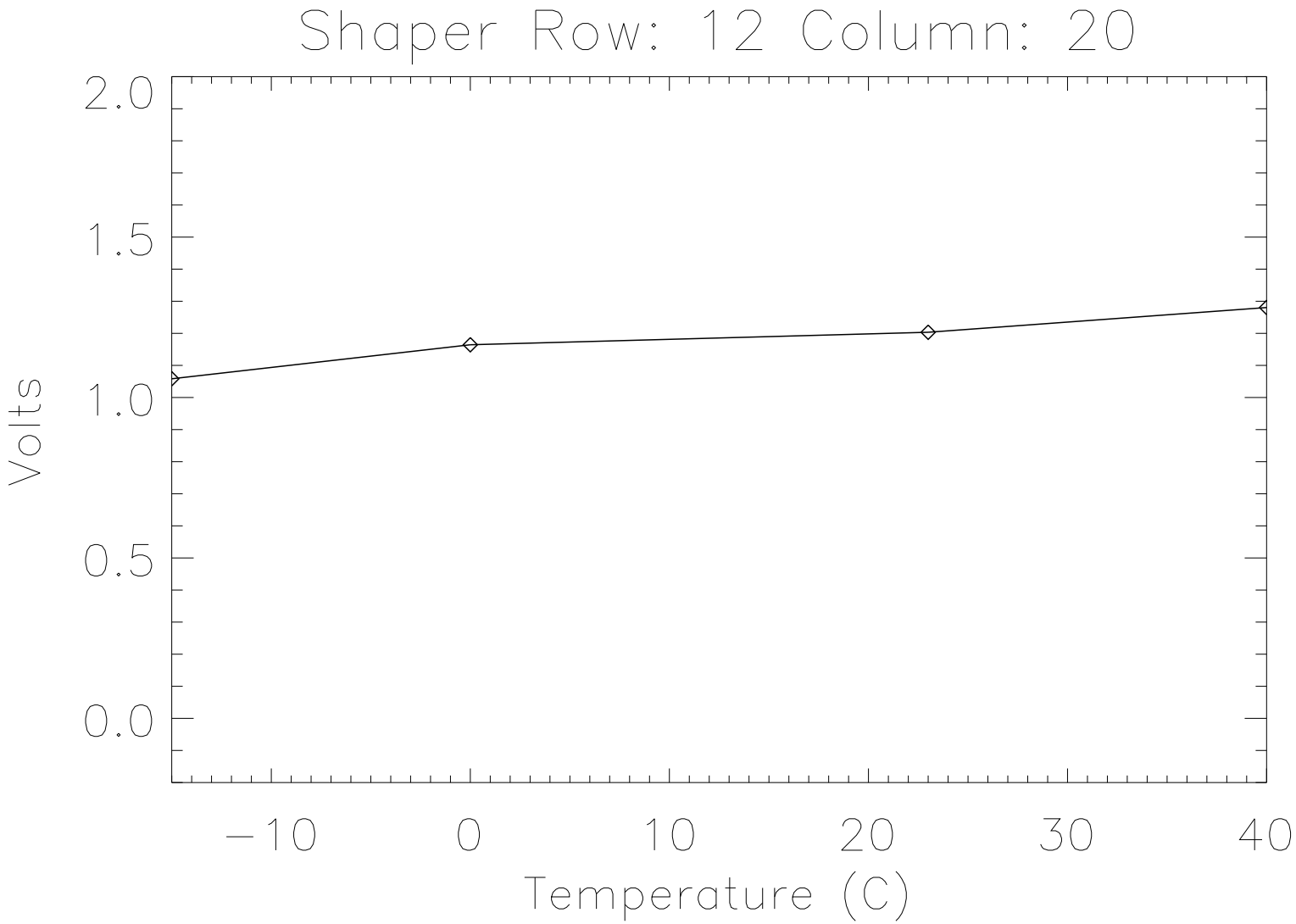
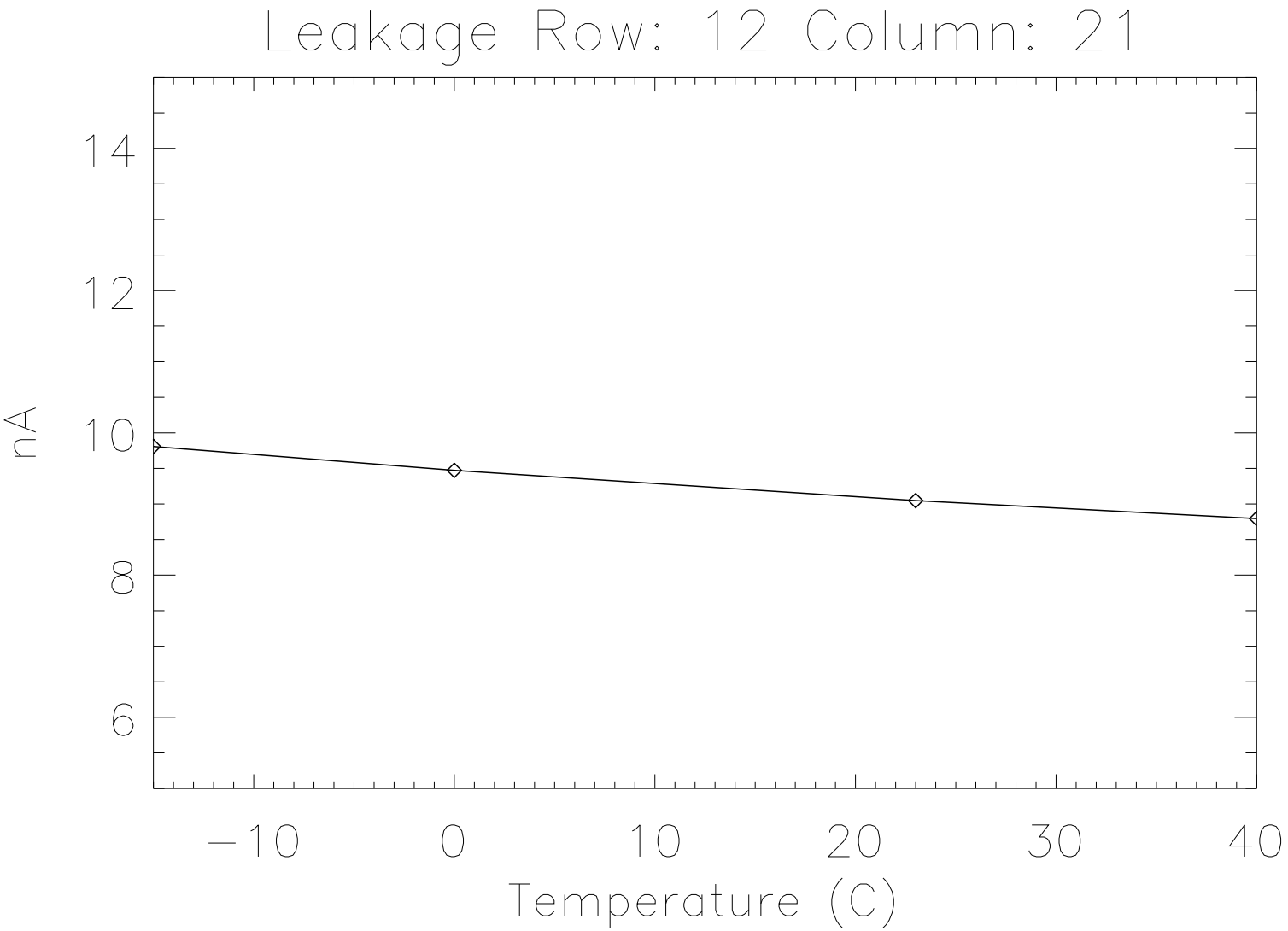
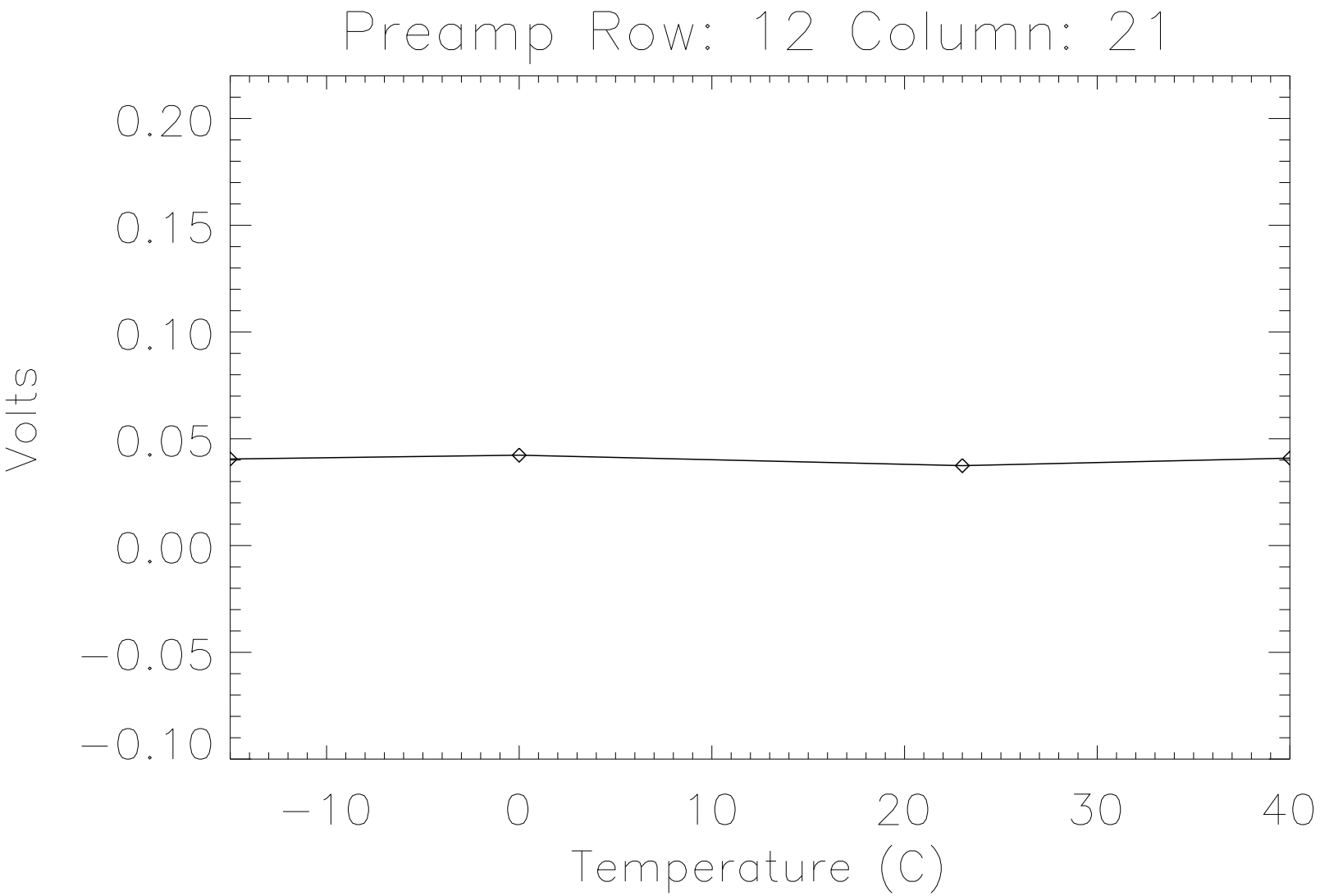
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 12 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 12 Column: 21
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 12 Column: 21
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0.00
−0.05
−0.10
Volts
−10
0
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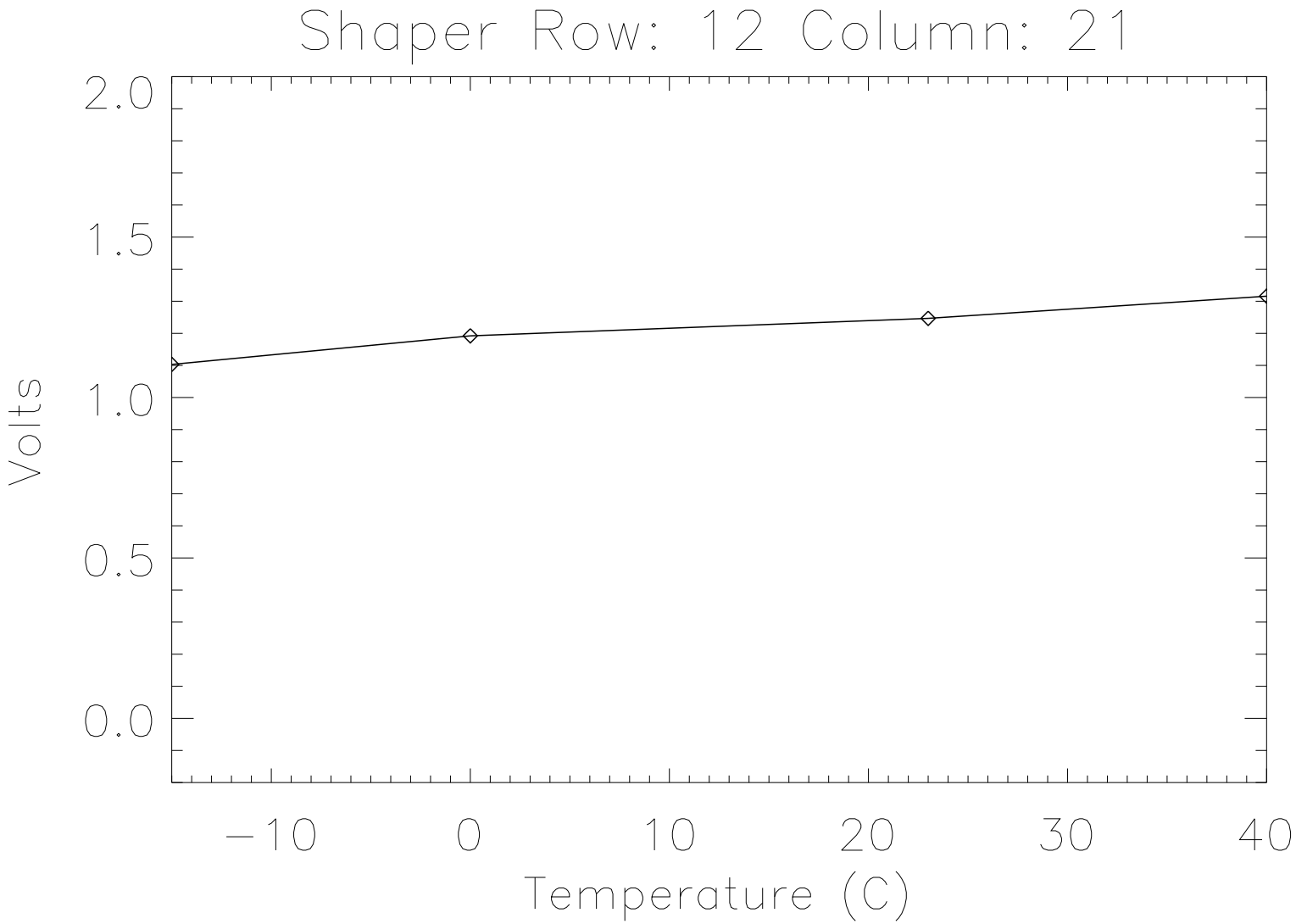
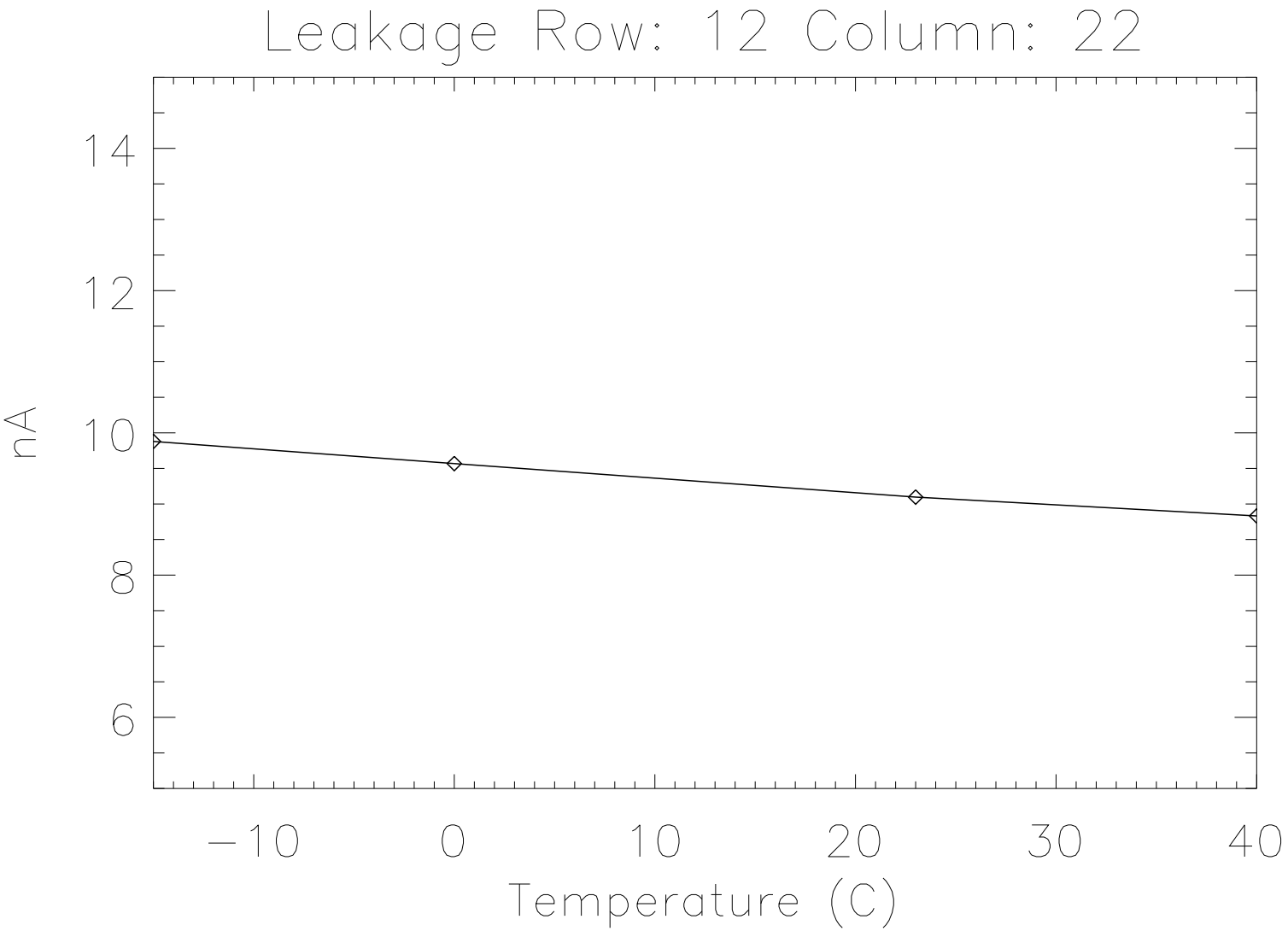
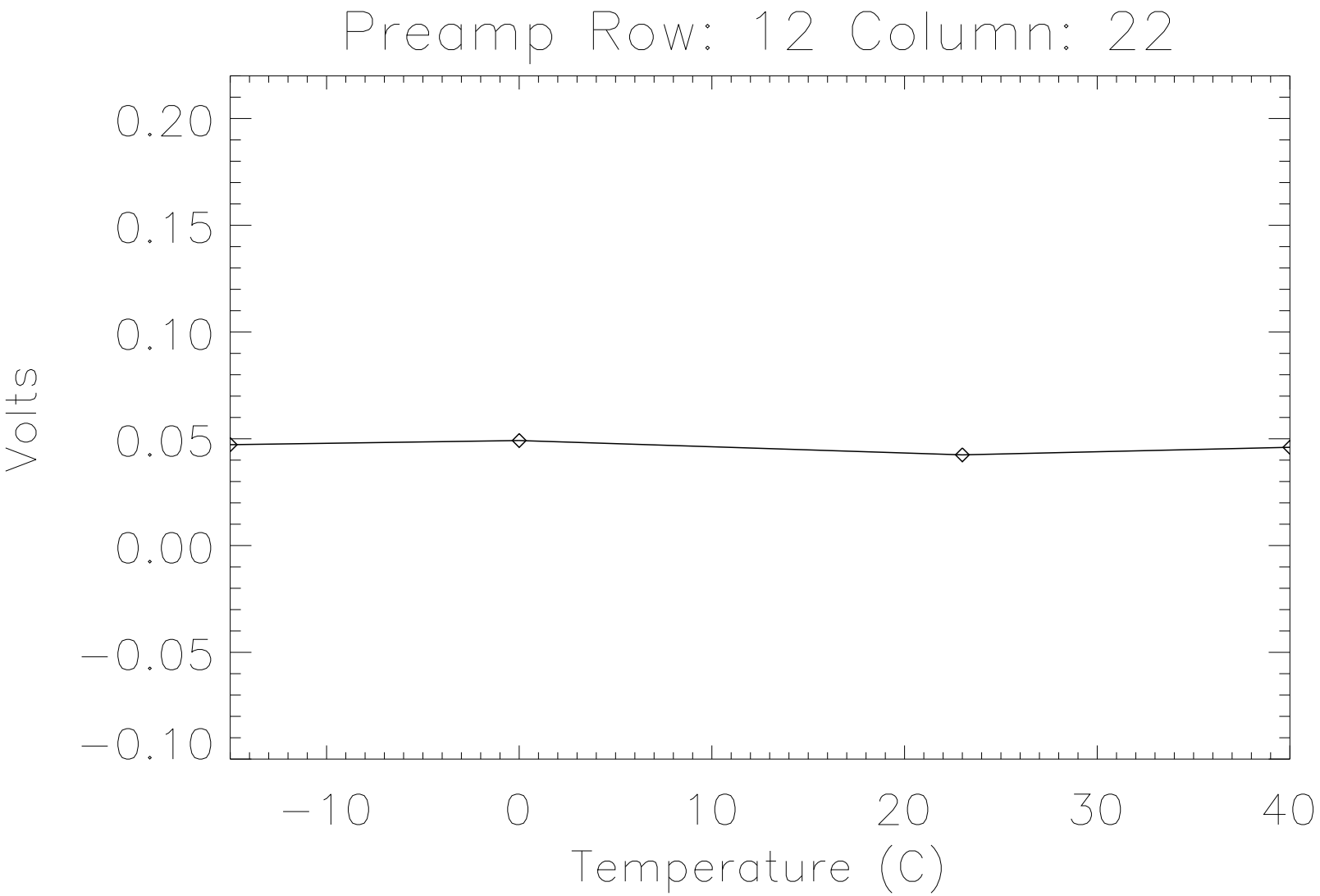
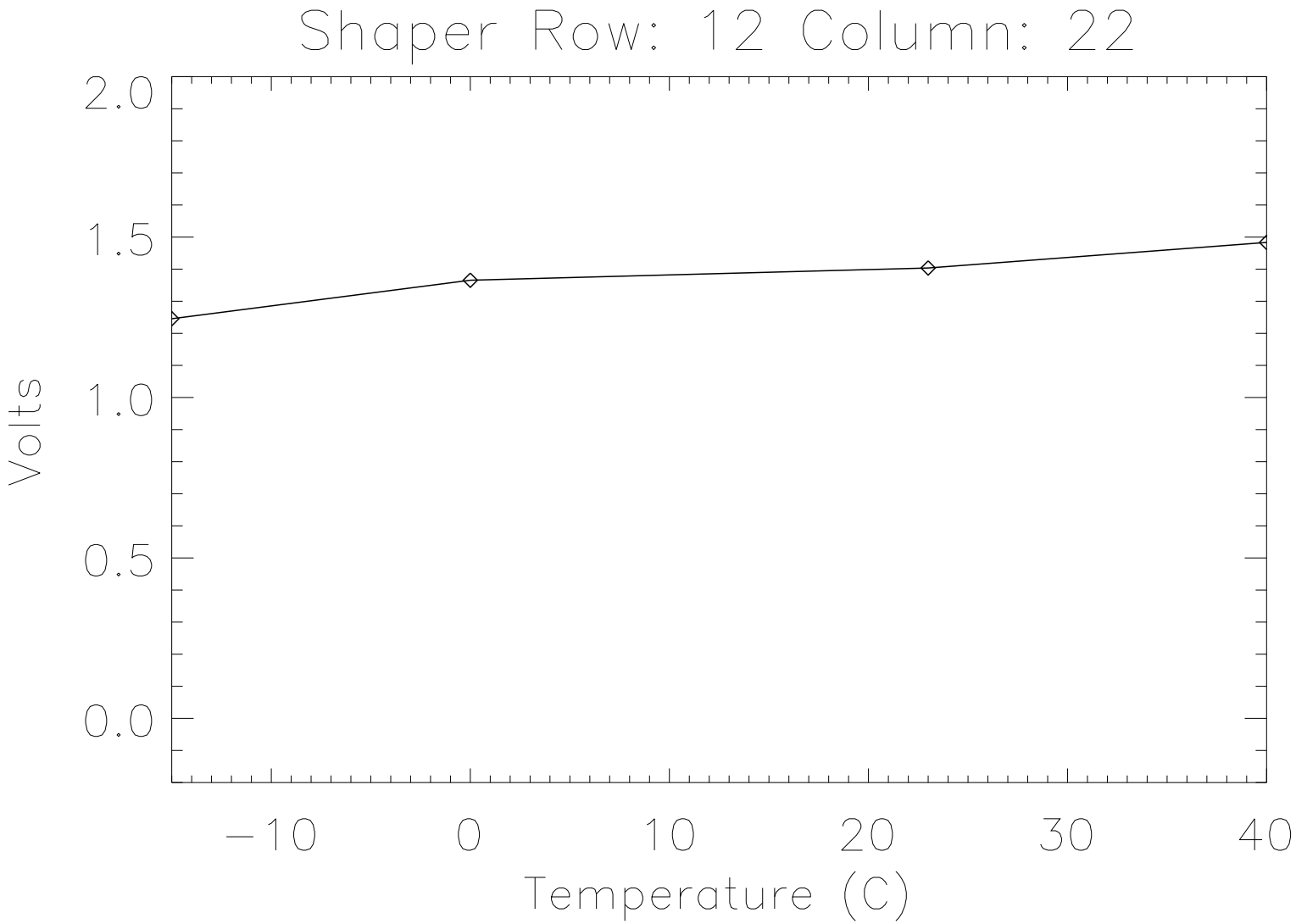
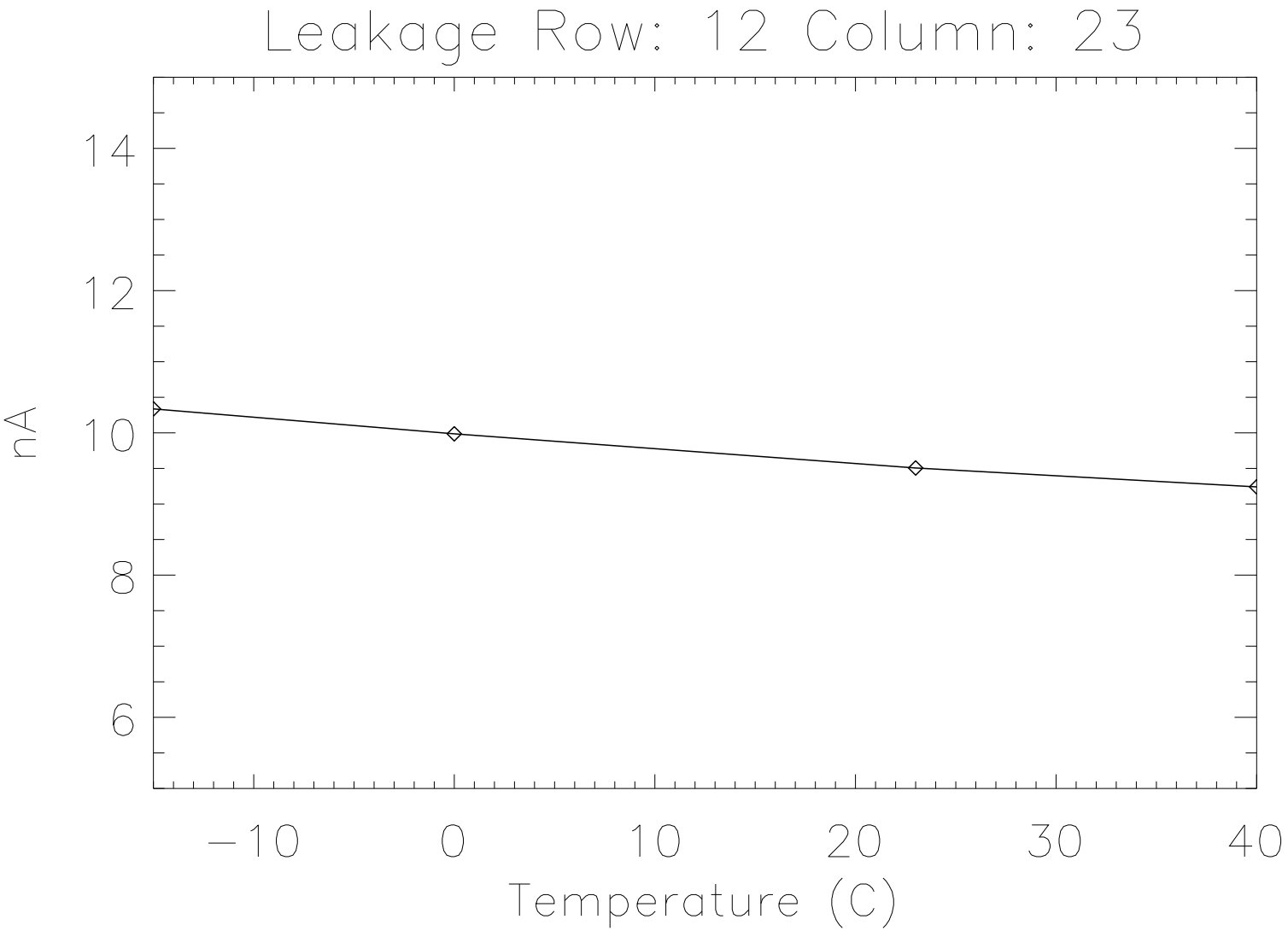
20
30
40
Temperature (C)

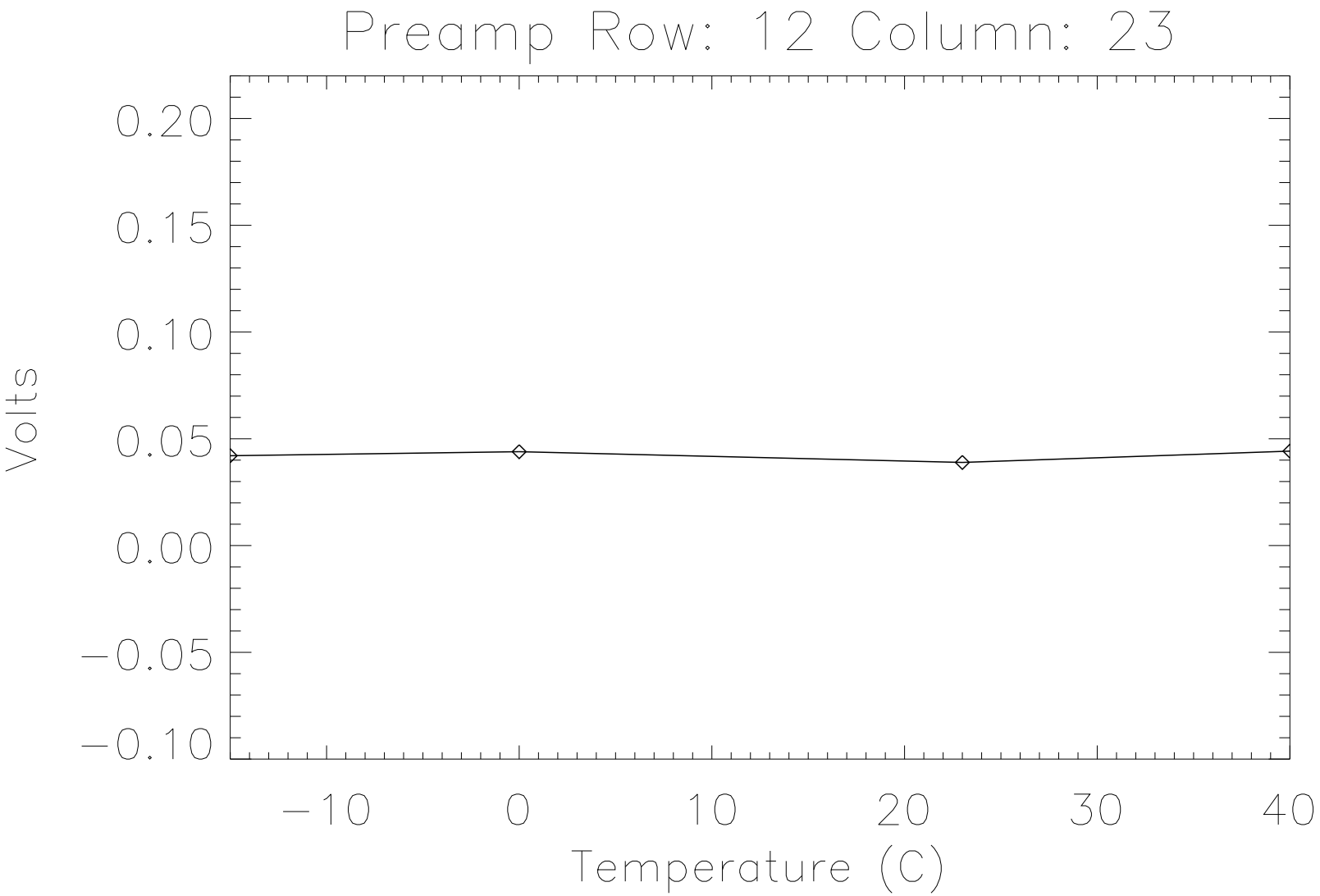

Shaper Row: 12 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

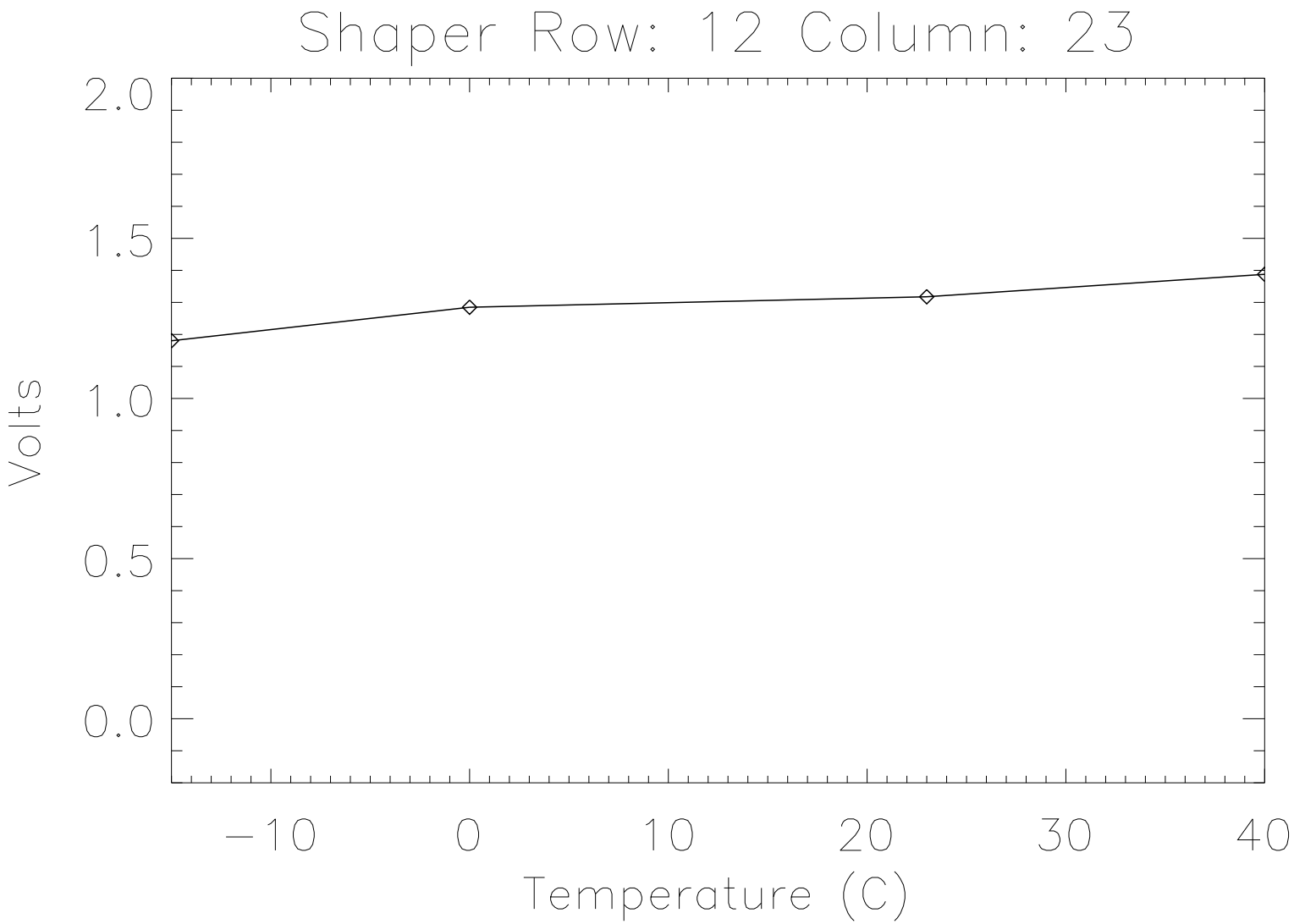

Leakage Row: 12 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

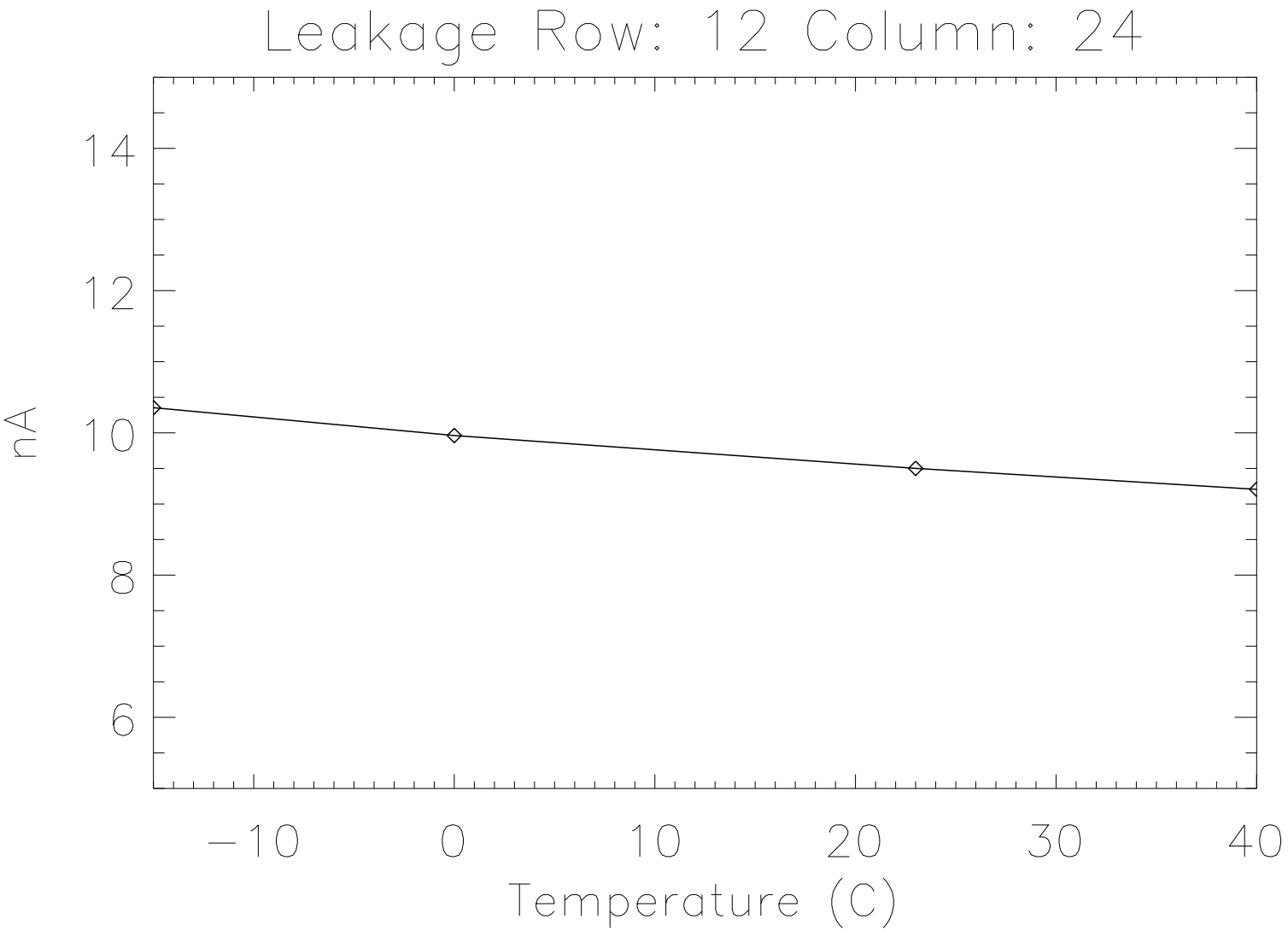

Preamp Row: 12 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

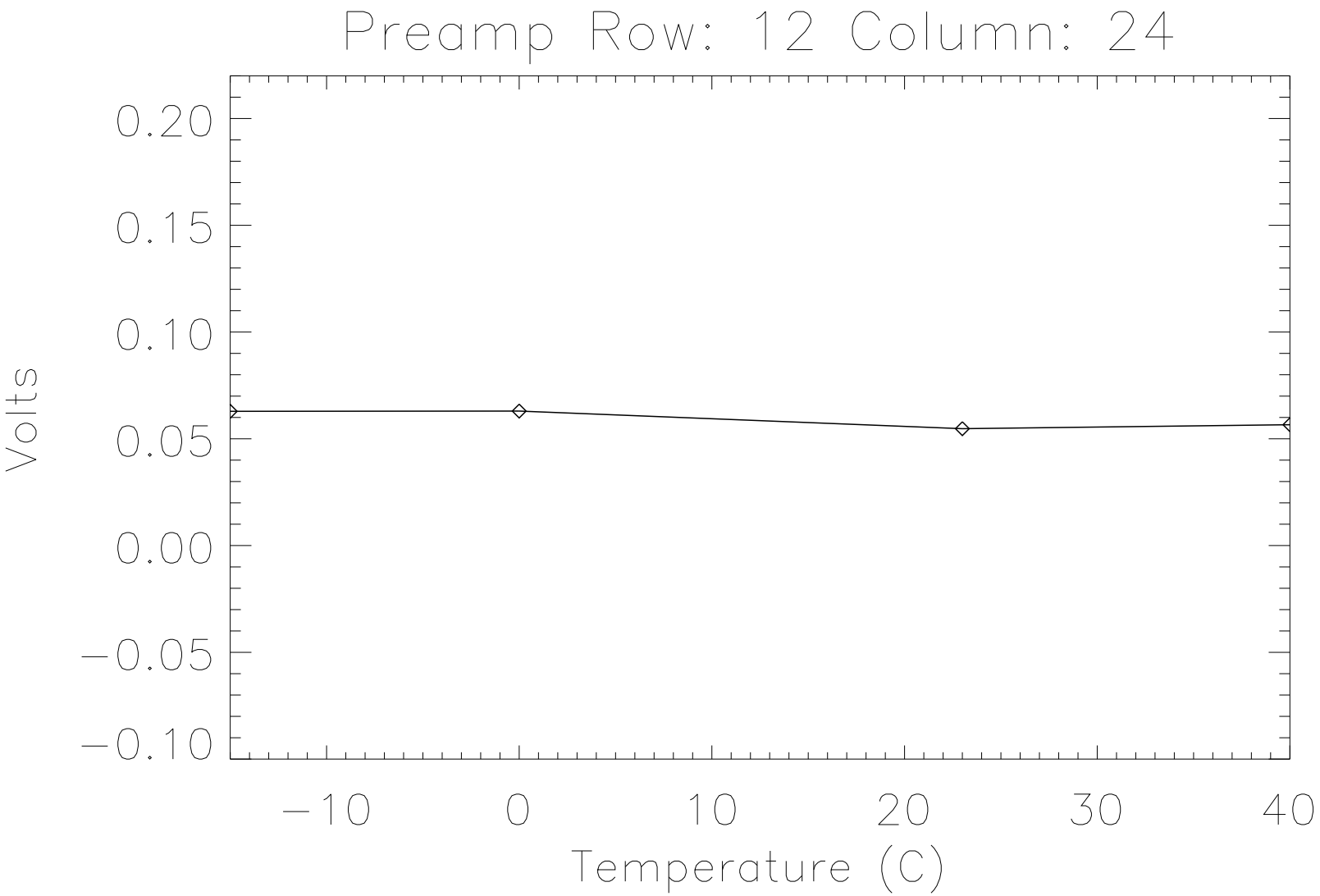

Shaper Row: 12 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

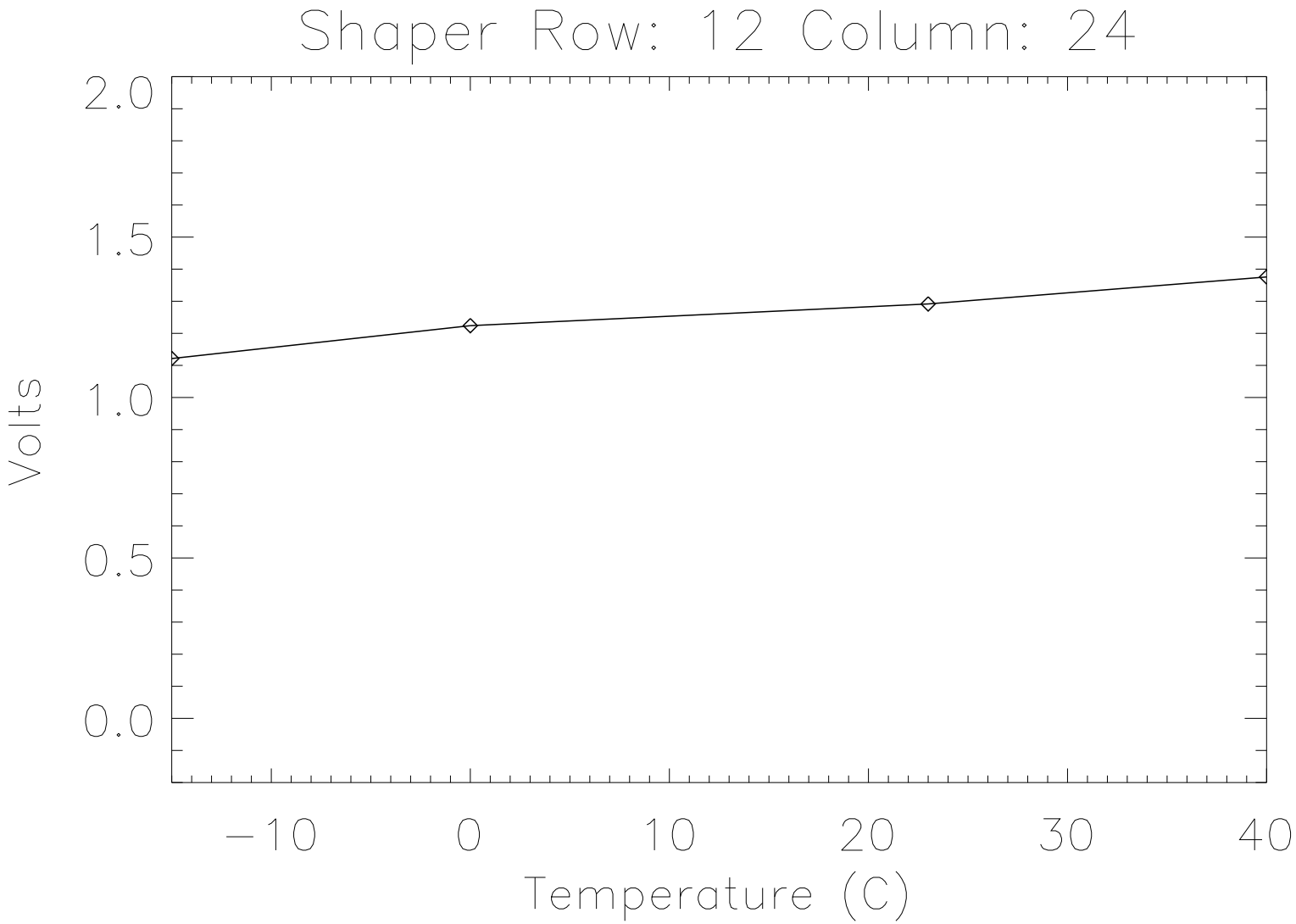

Leakage Row: 12 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

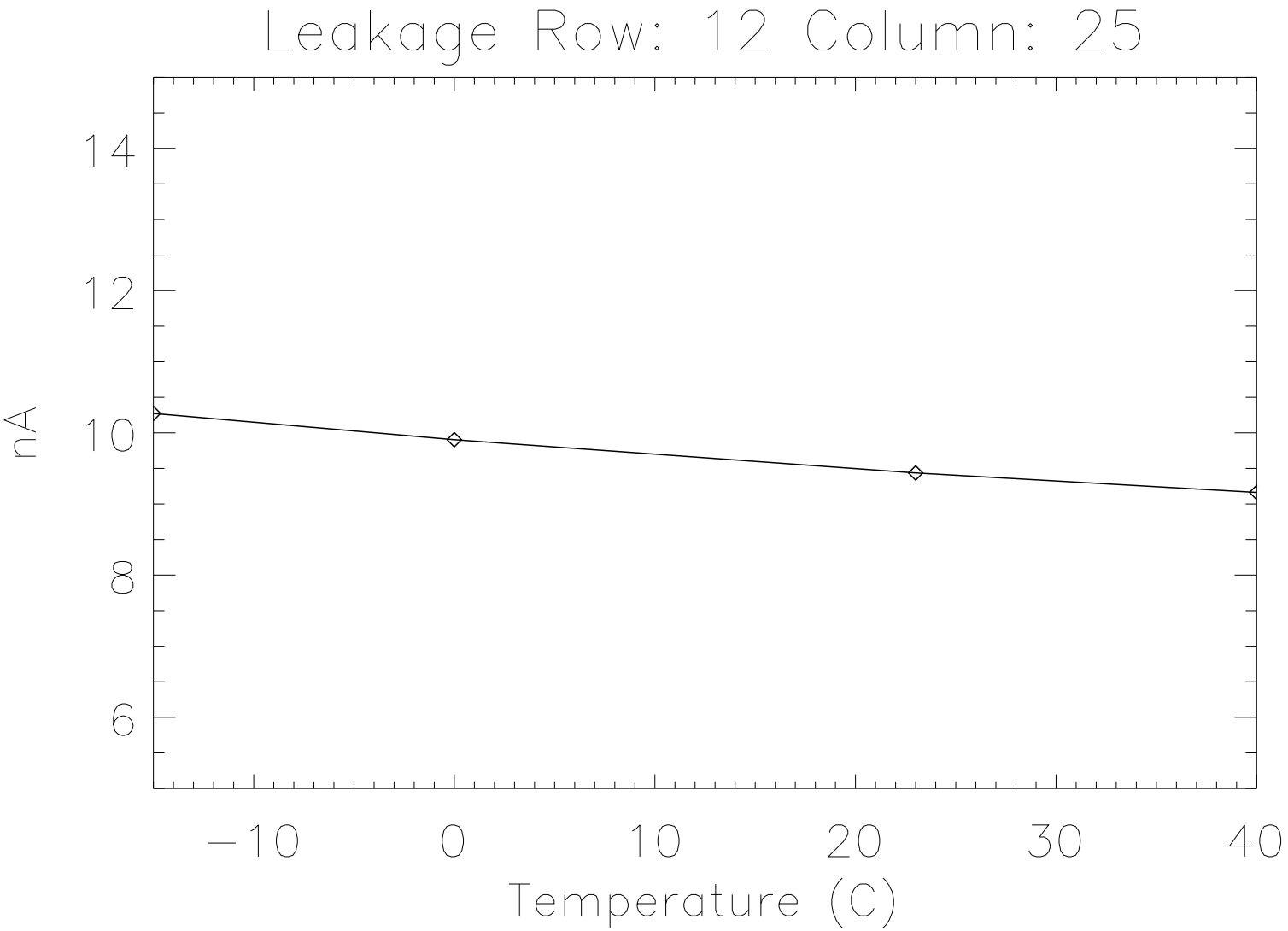

Preamp Row: 12 Column: 23
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

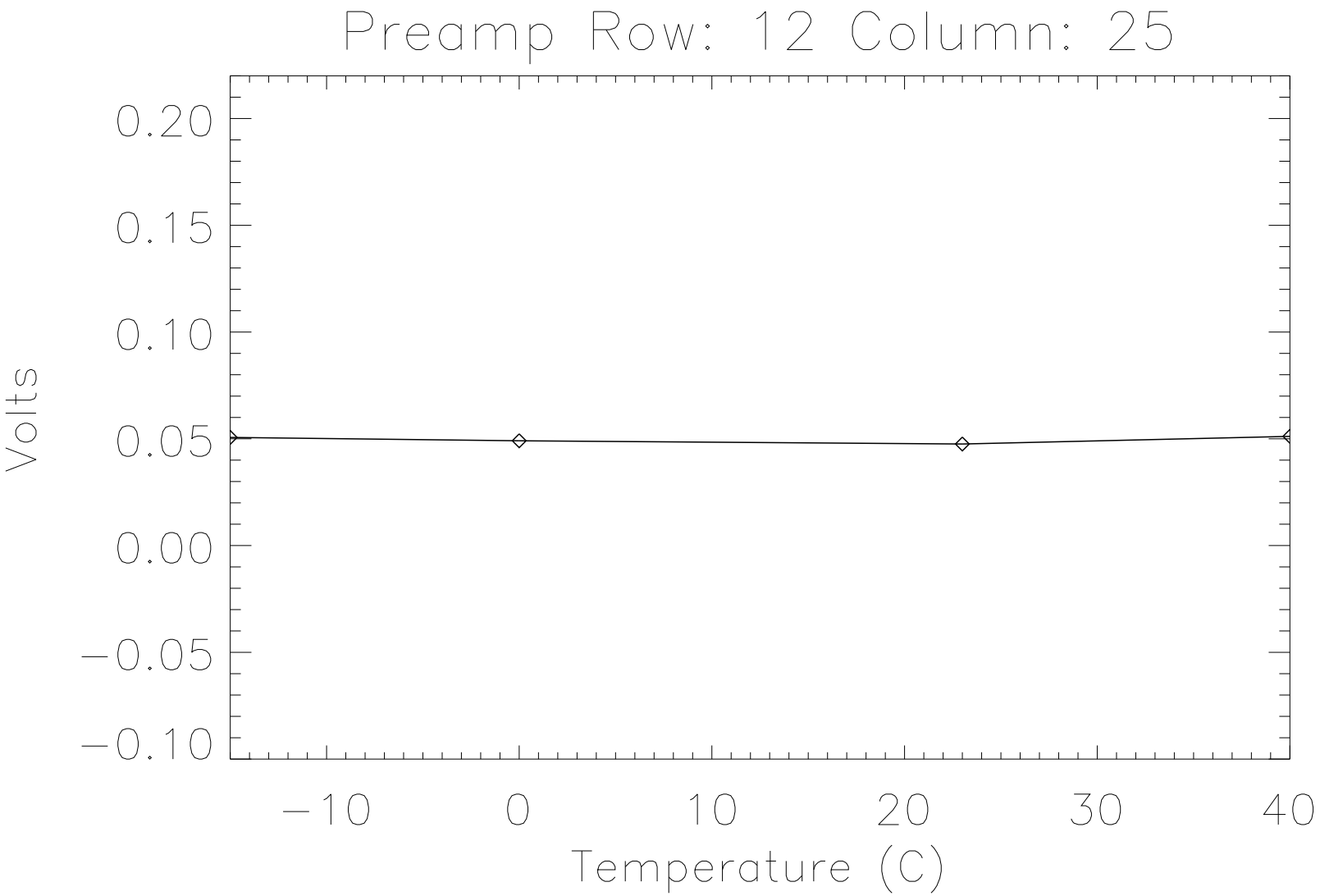

Shaper Row: 12 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

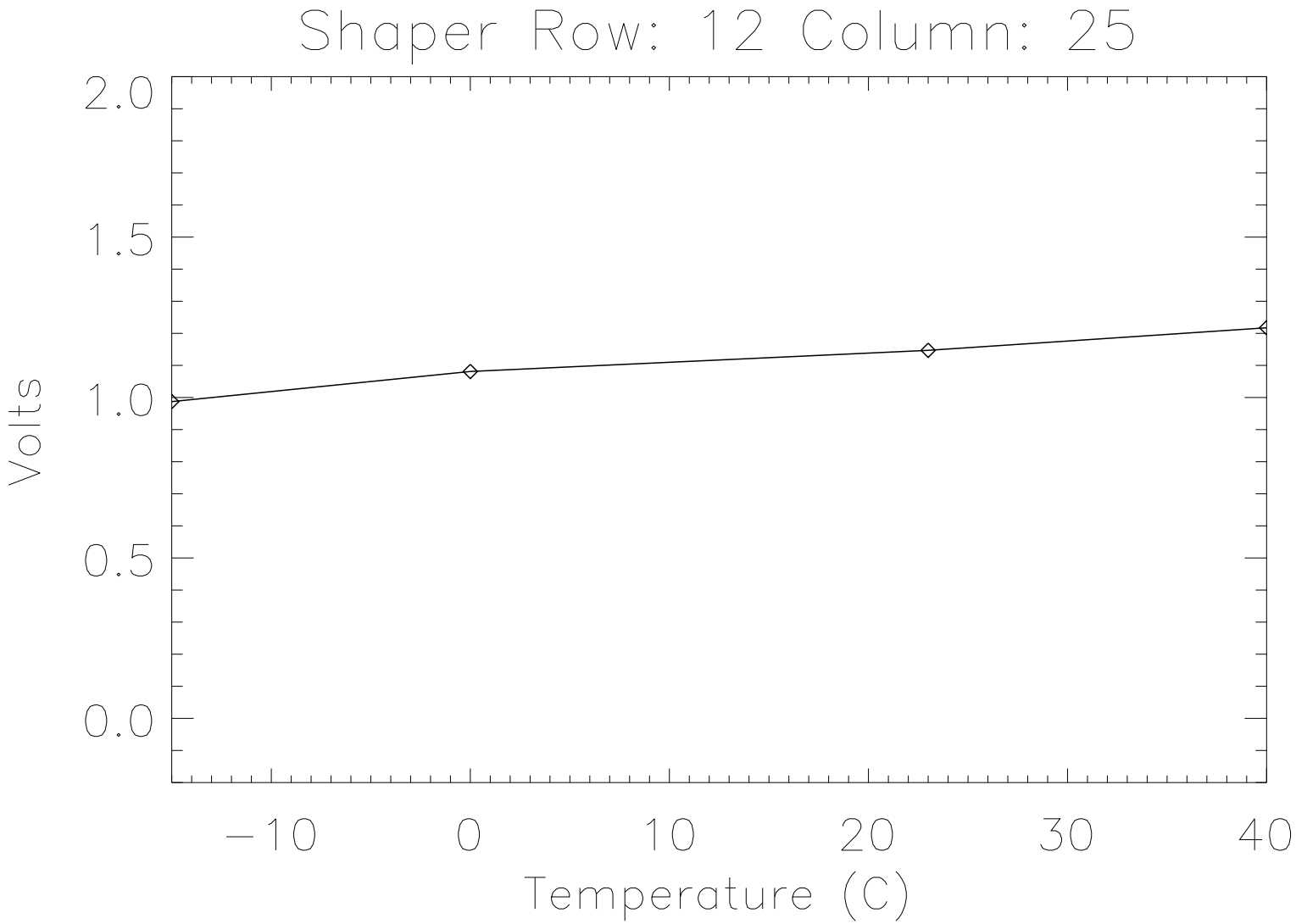

Leakage Row: 12 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

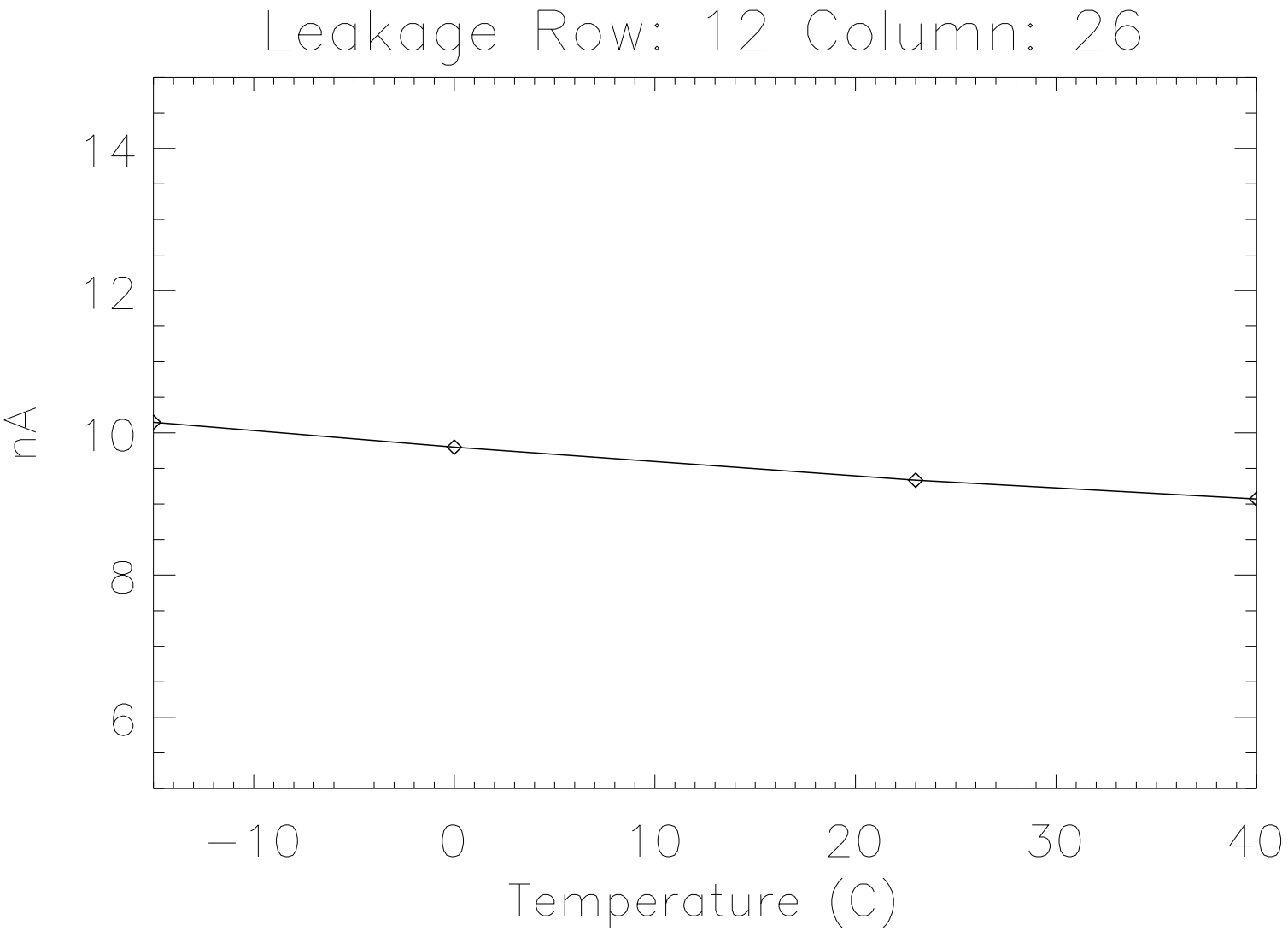

Preamp Row: 12 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

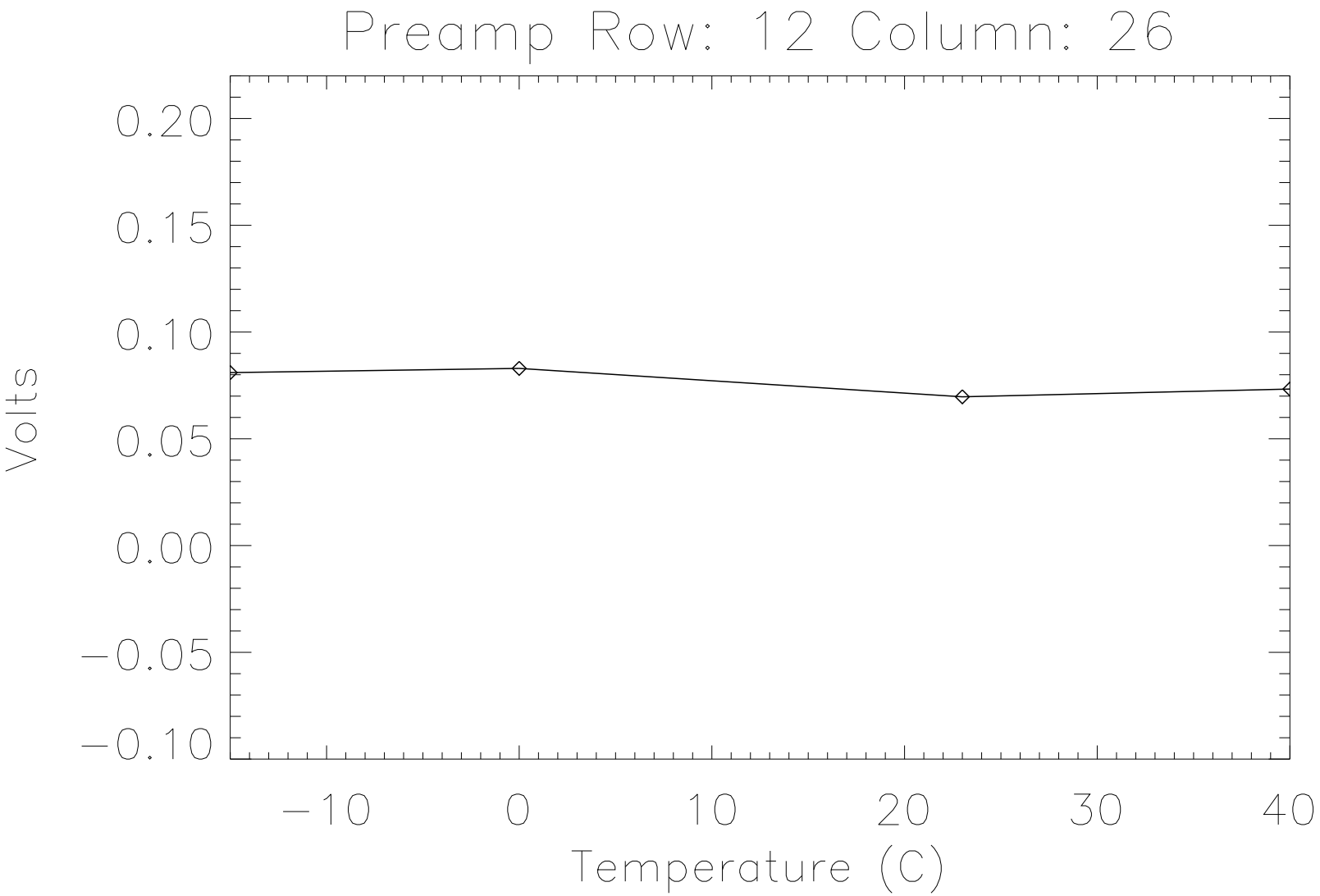

Shaper Row: 12 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

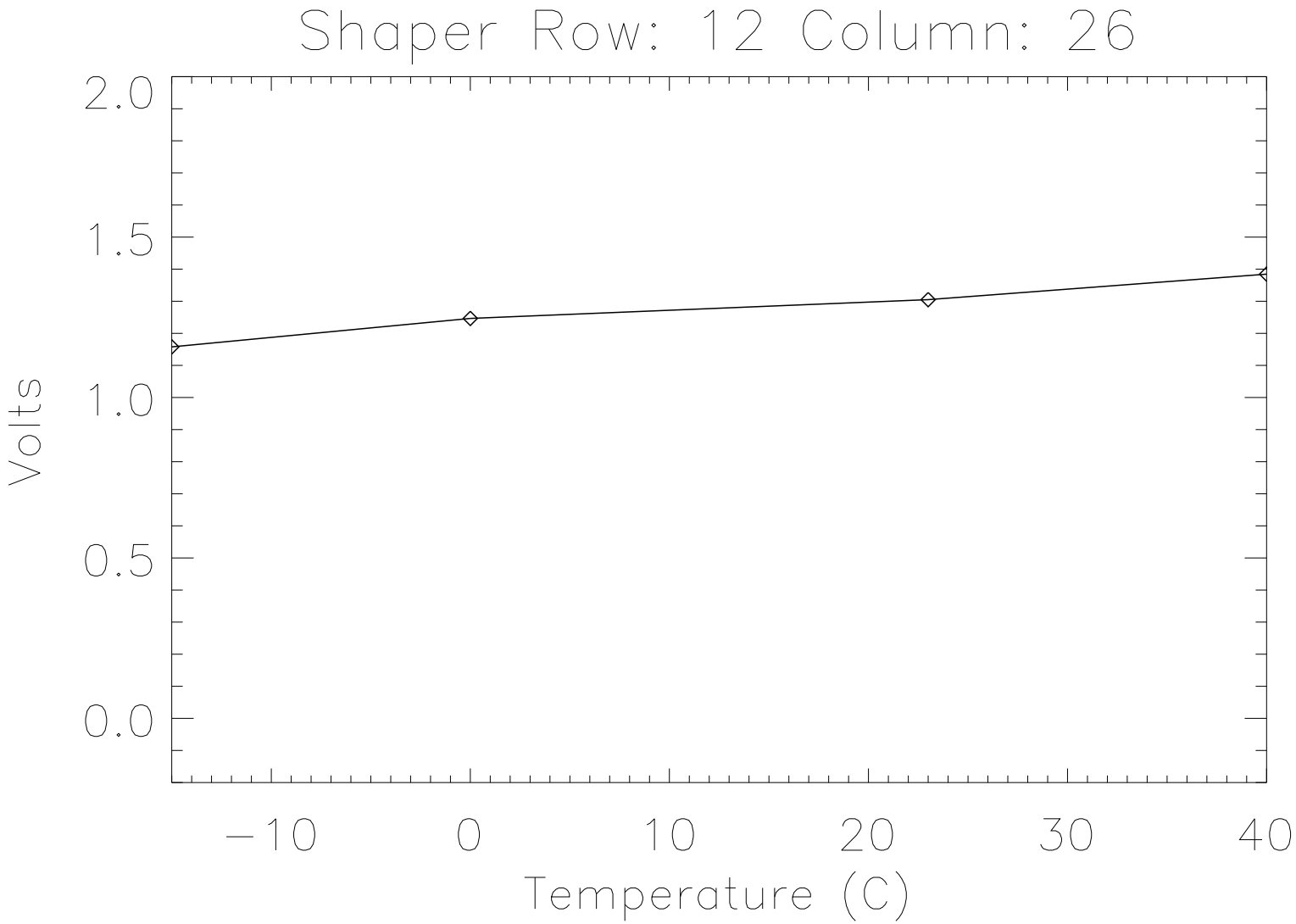

Leakage Row: 12 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

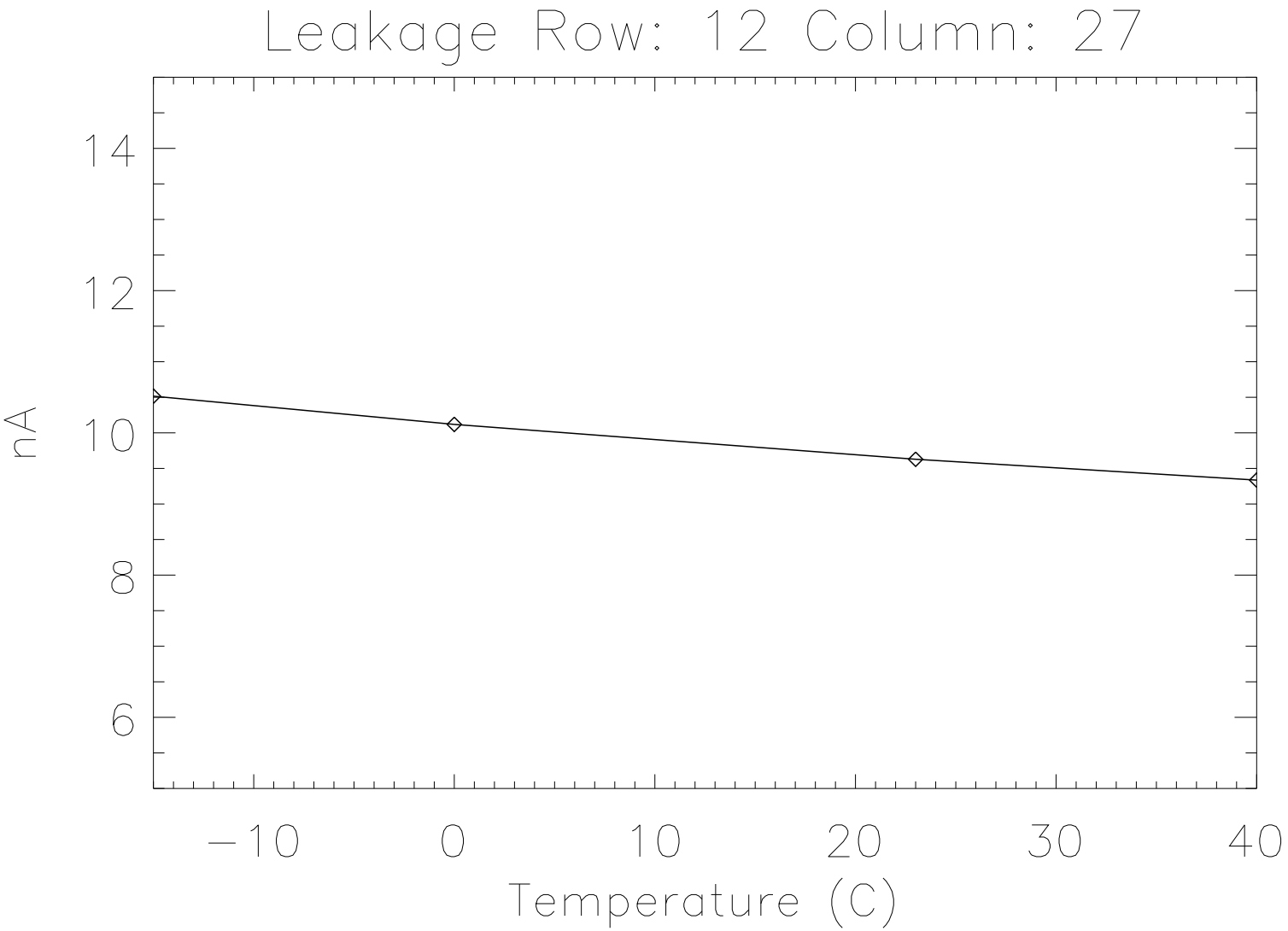

Preamp Row: 12 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

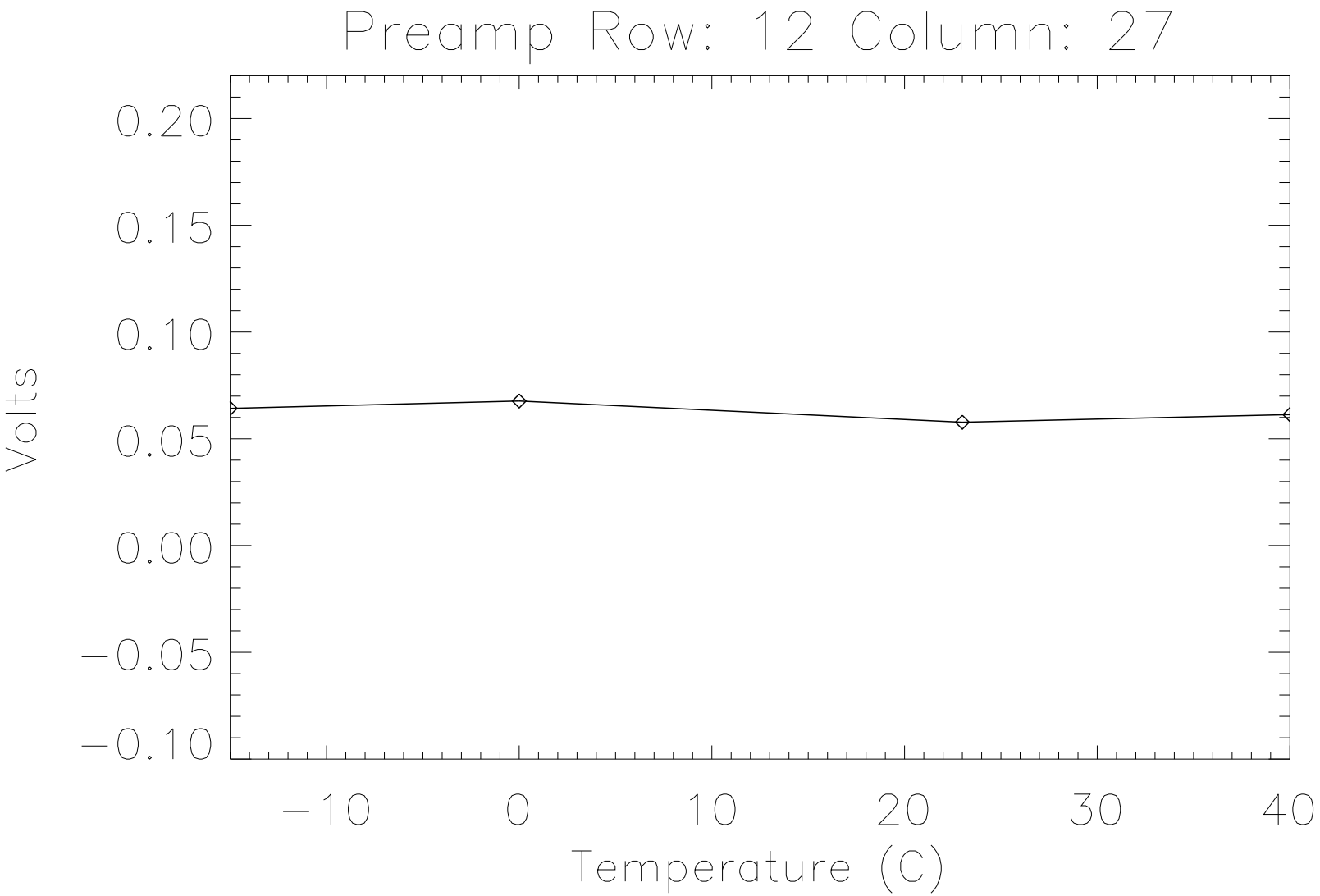

Shaper Row: 12 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

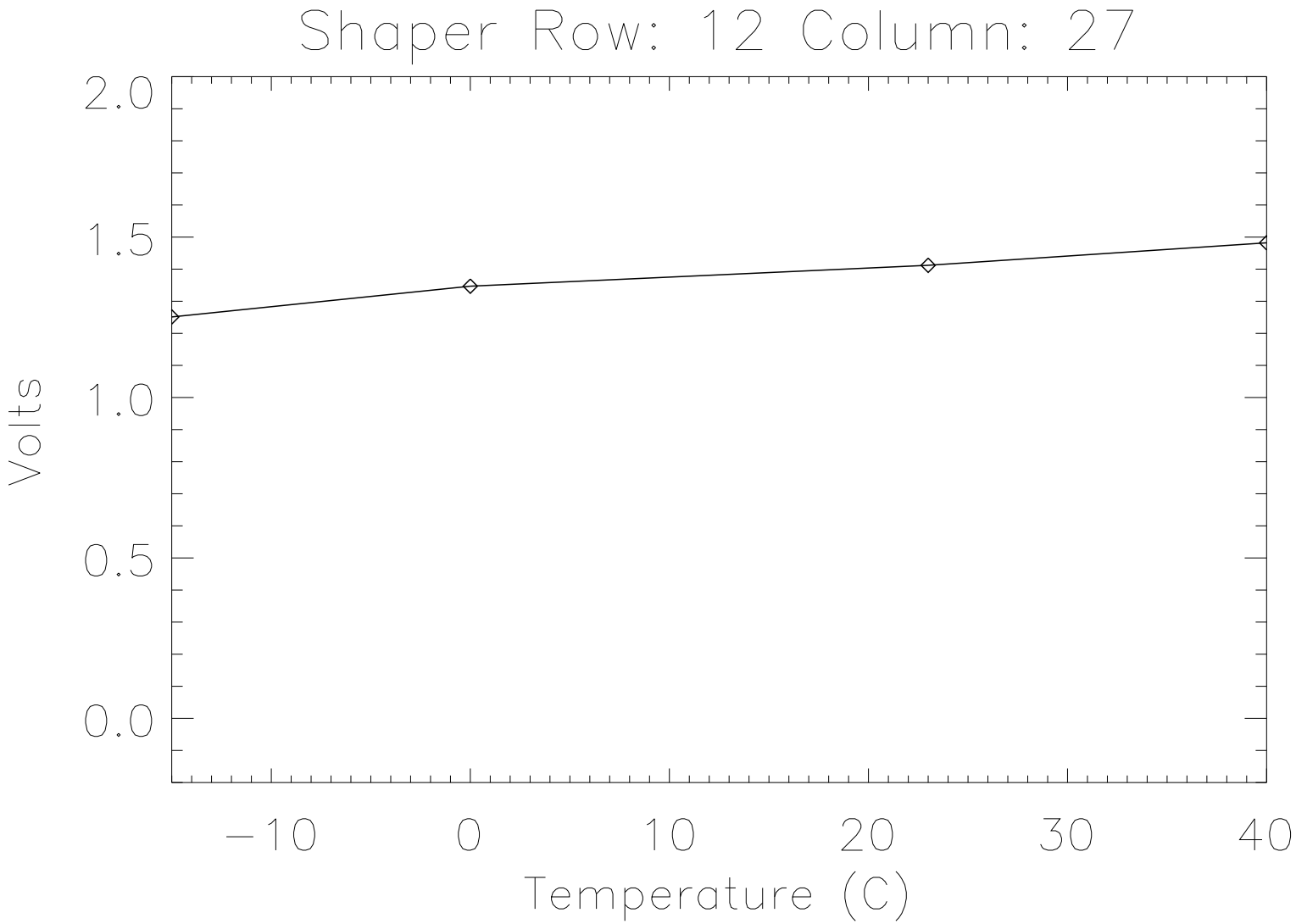

Leakage Row: 12 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

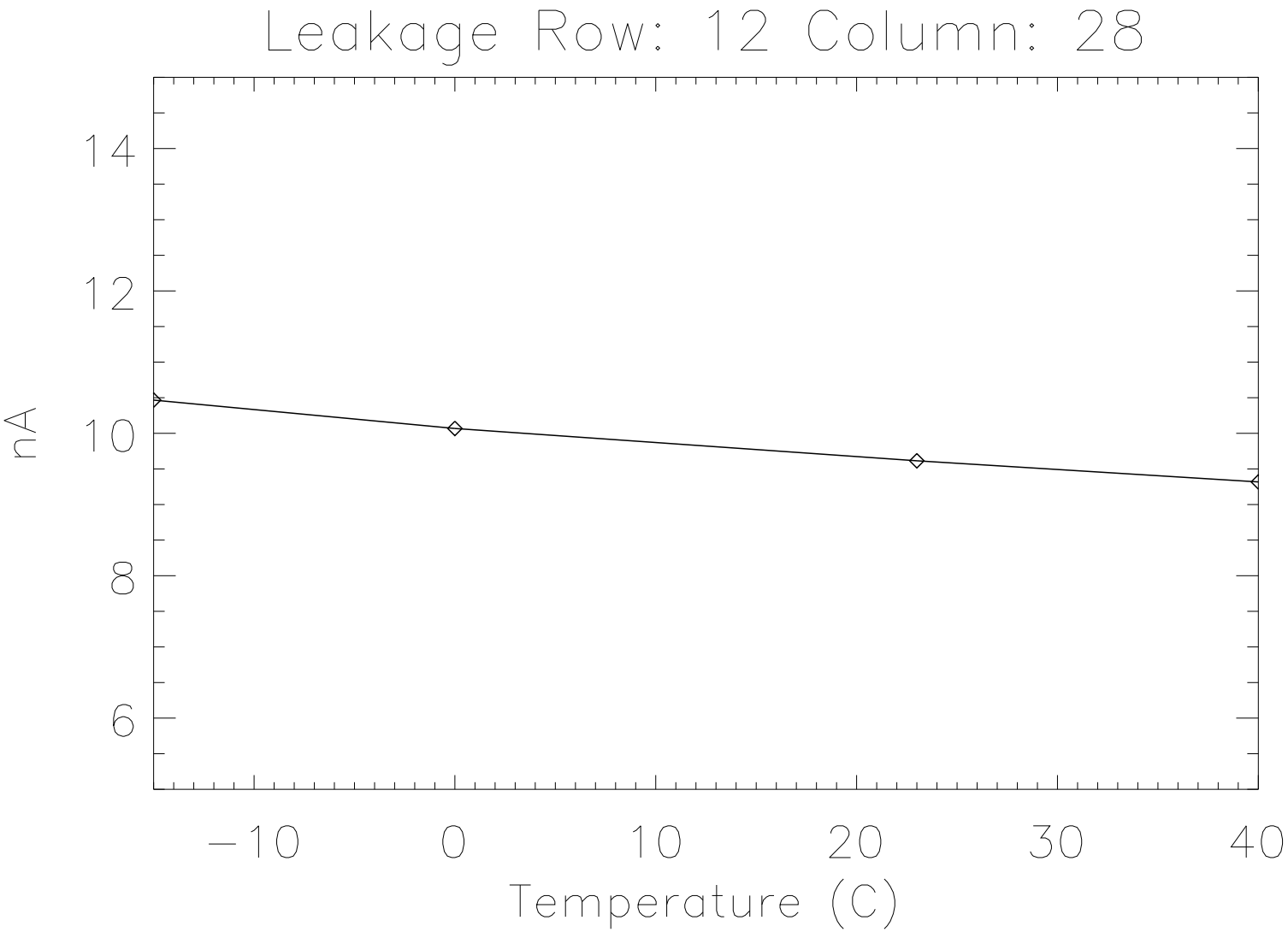

Preamp Row: 12 Column: 26
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

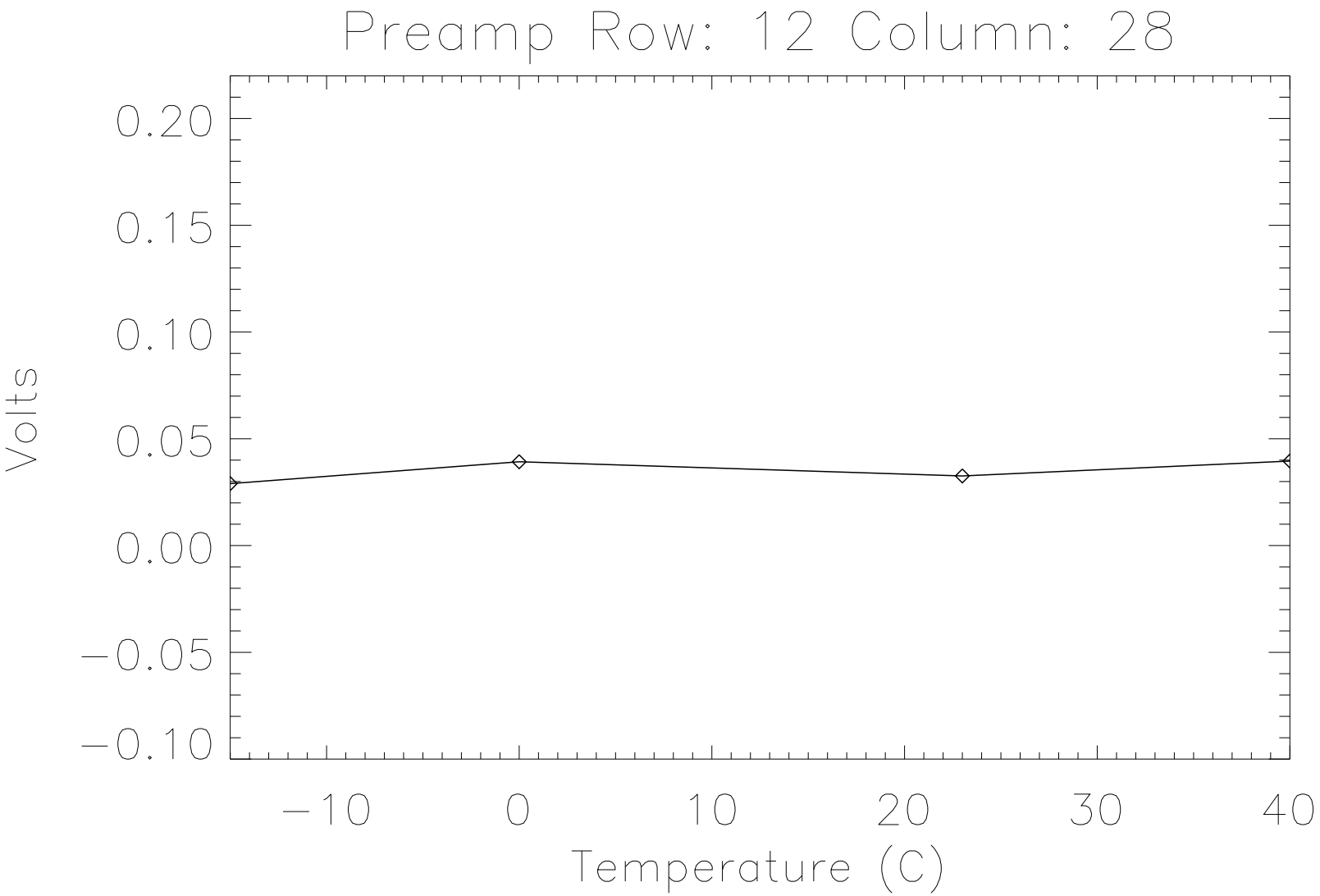

Shaper Row: 12 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

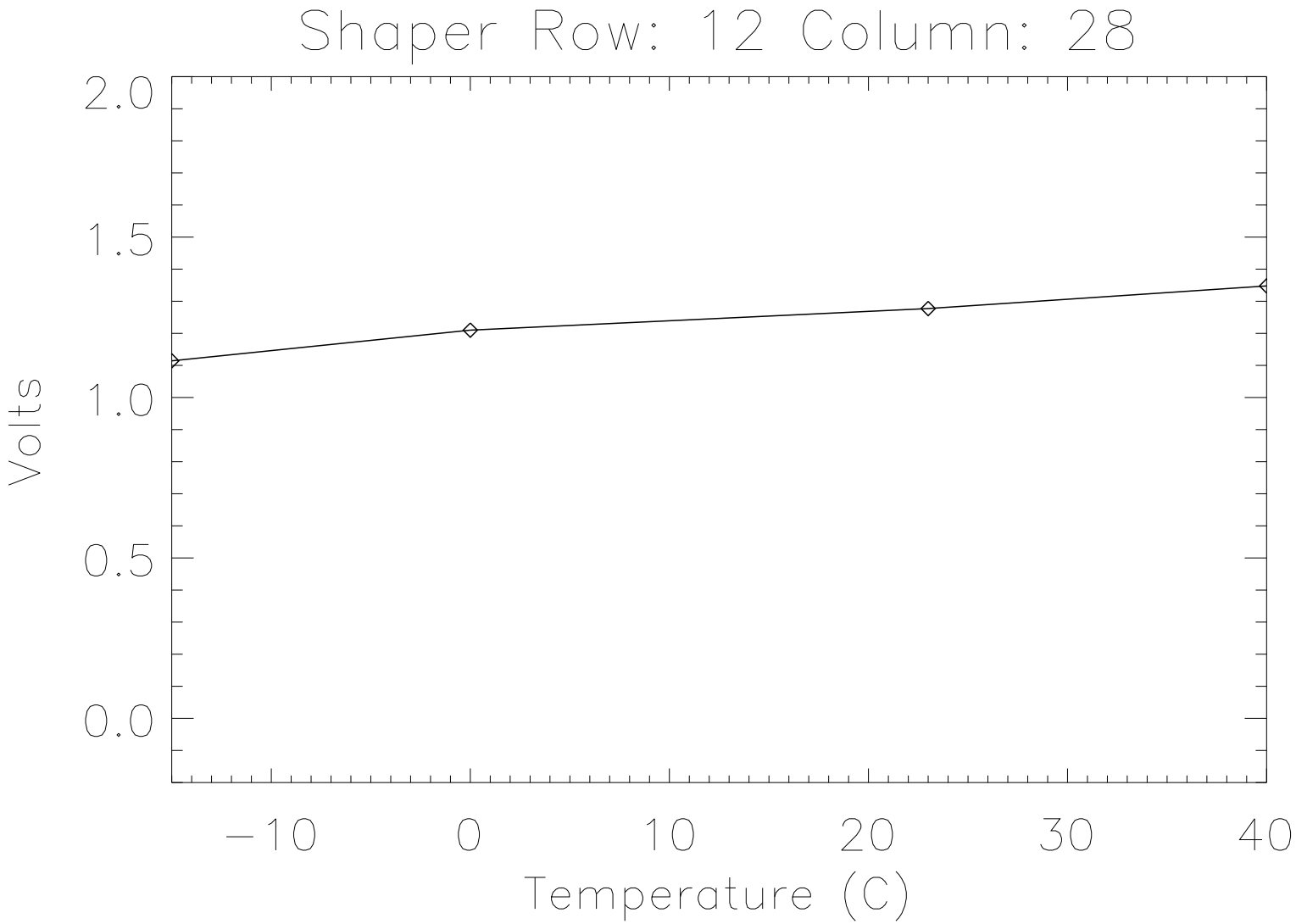

Leakage Row: 12 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

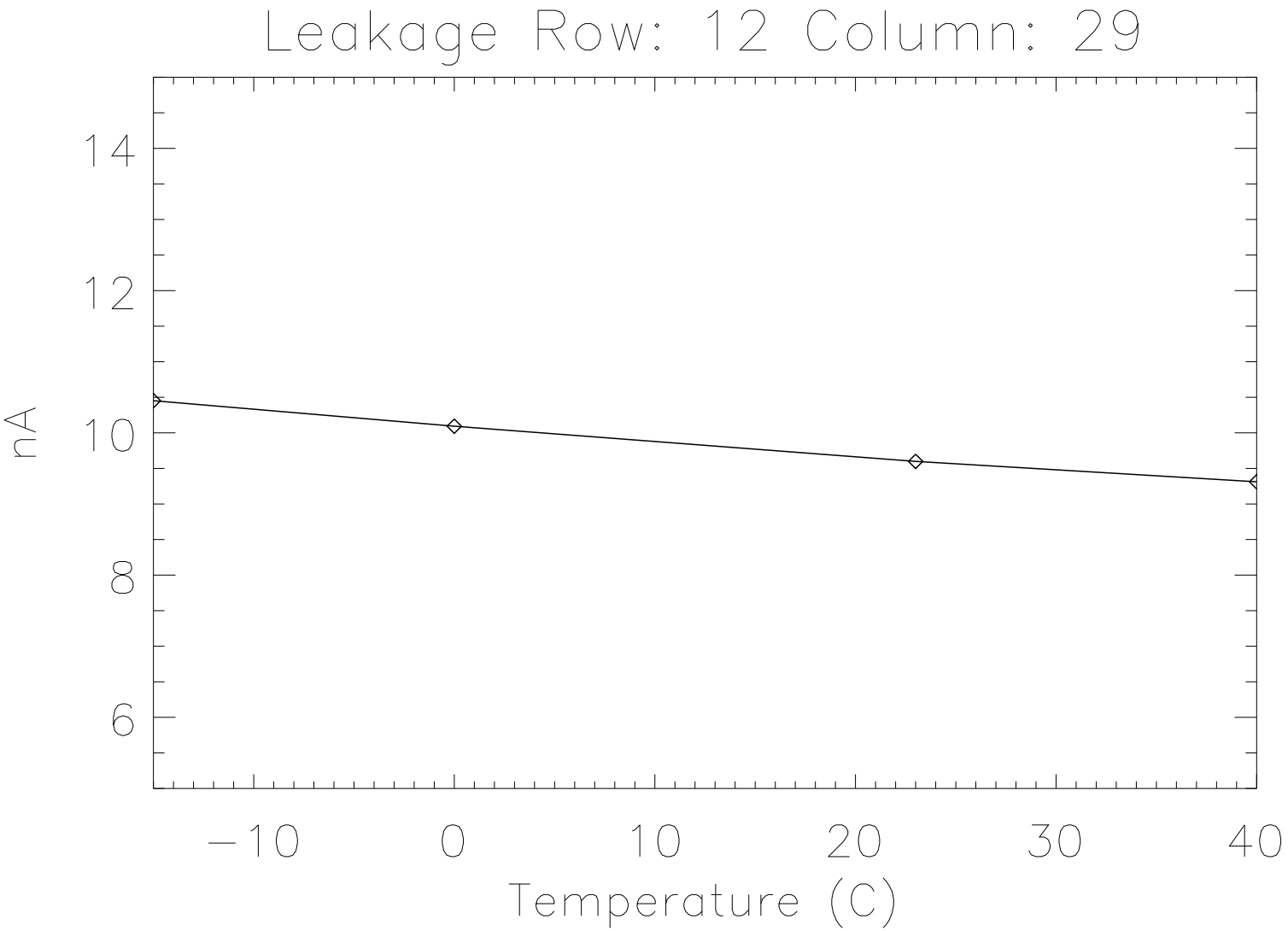

Preamp Row: 12 Column: 27
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

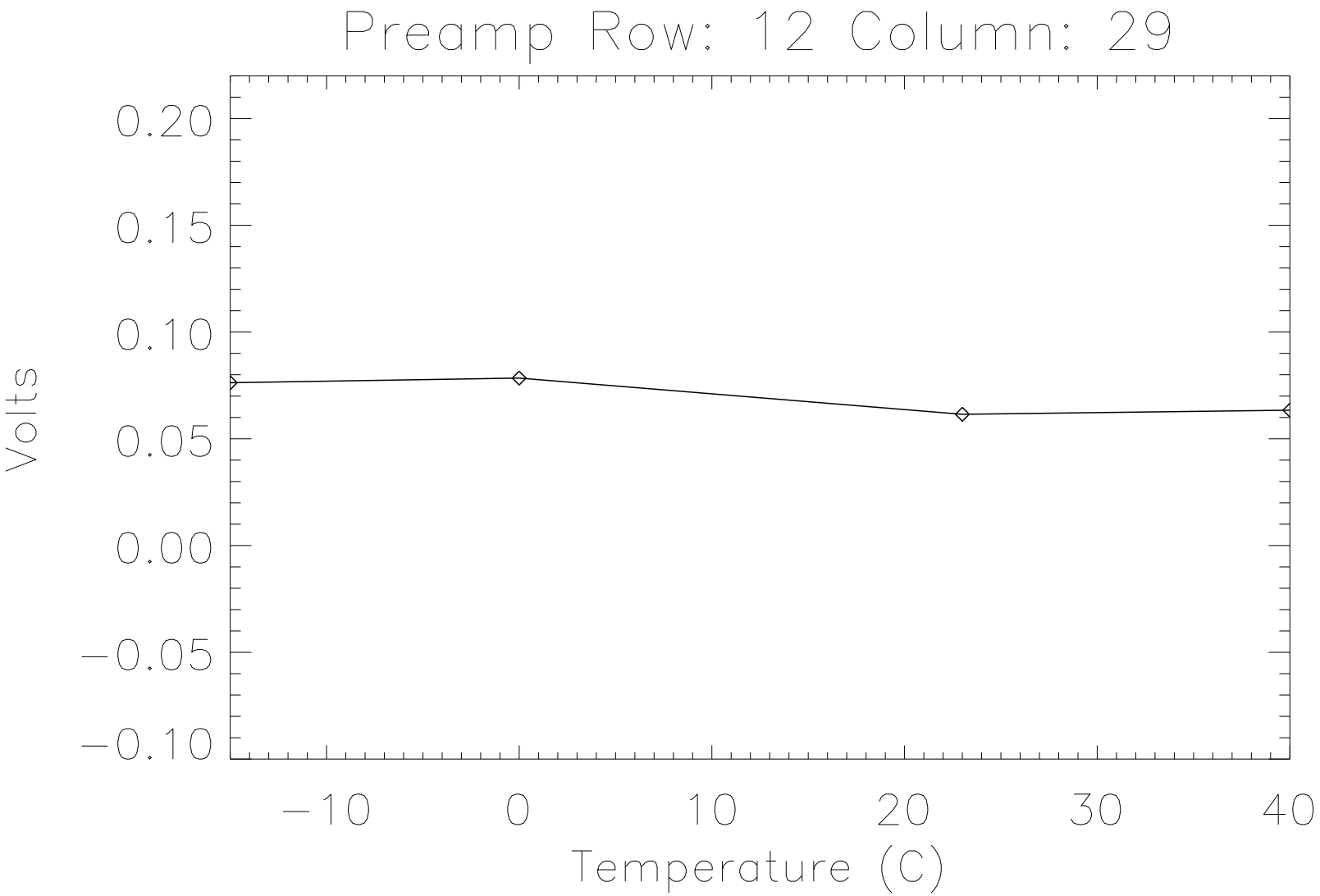

Shaper Row: 12 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

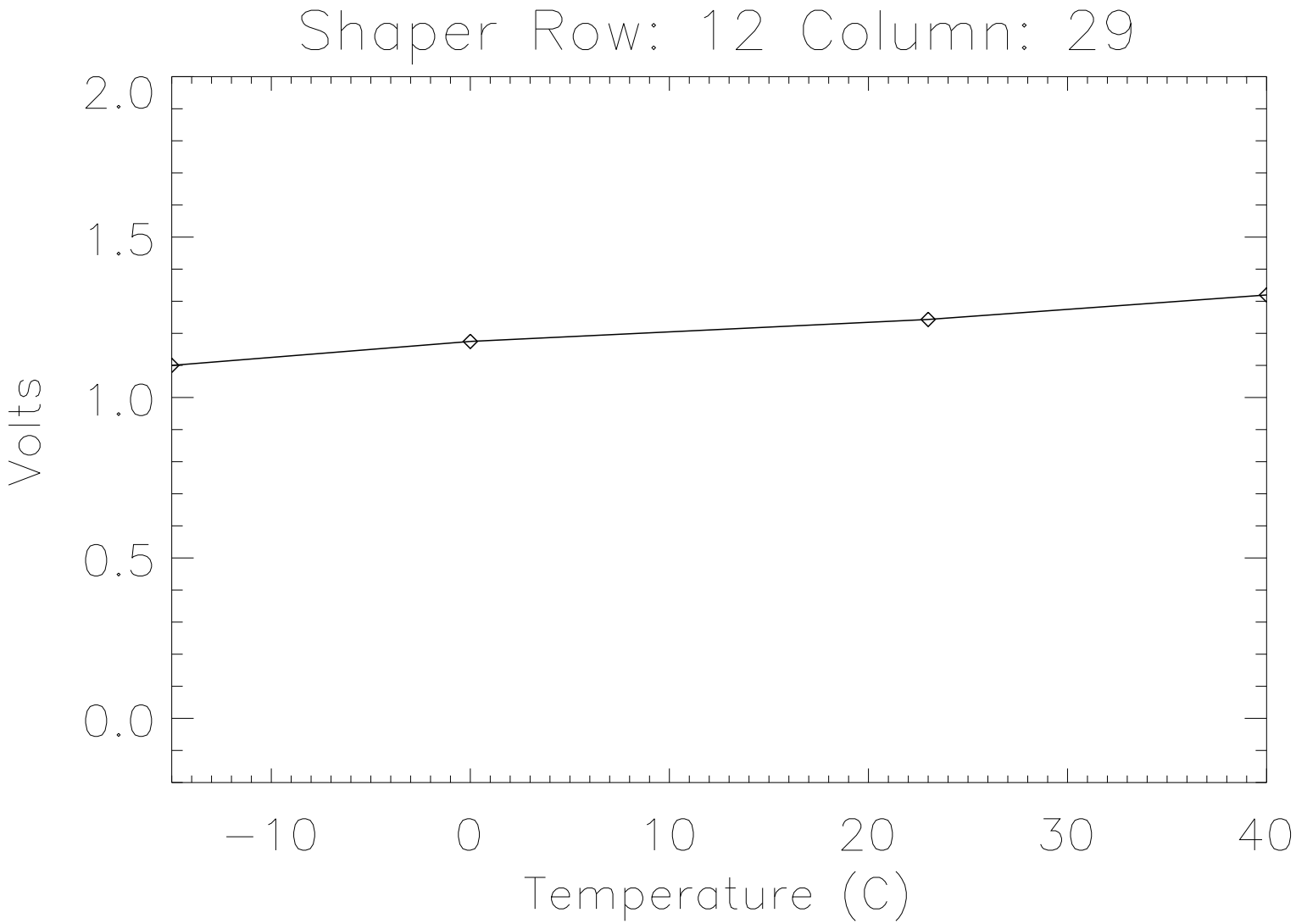

Leakage Row: 12 Column: 28
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

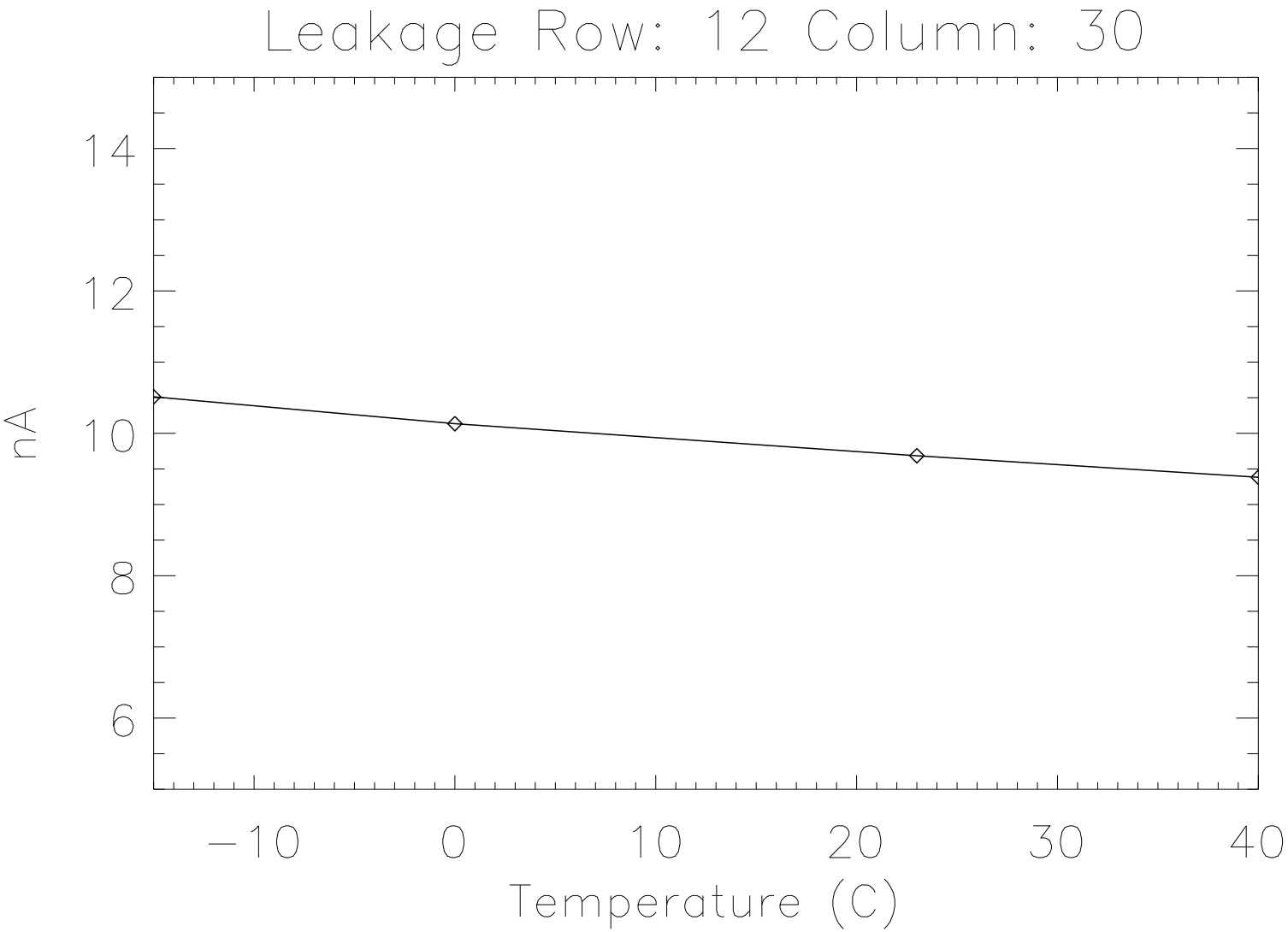

Preamp Row: 12 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 12 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 12 Column: 29
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 12 Column: 29
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 12 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 12 Column: 30
nA
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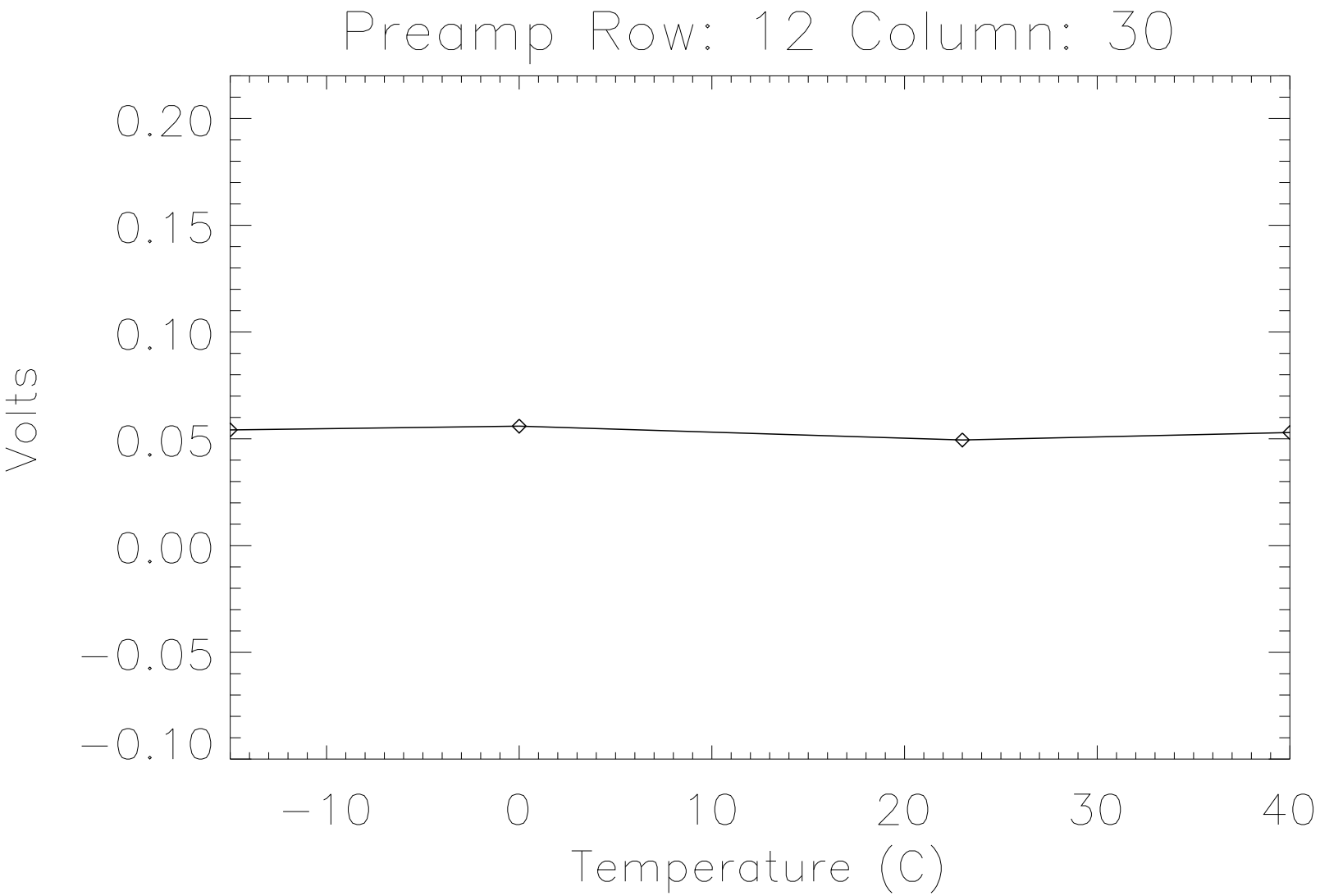
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 12 Column: 30
0.20
0.15
0.10
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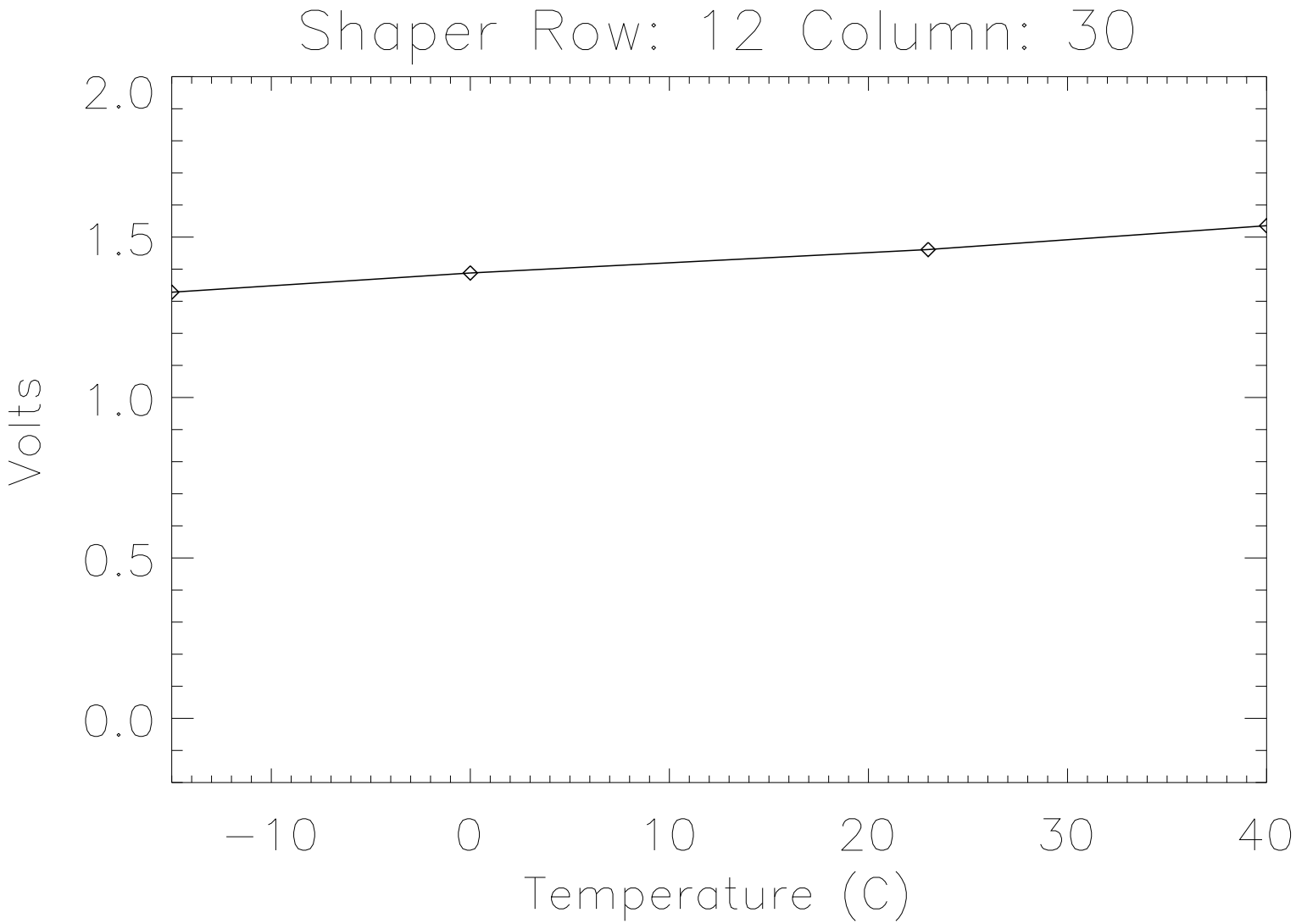
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 12 Column: 30
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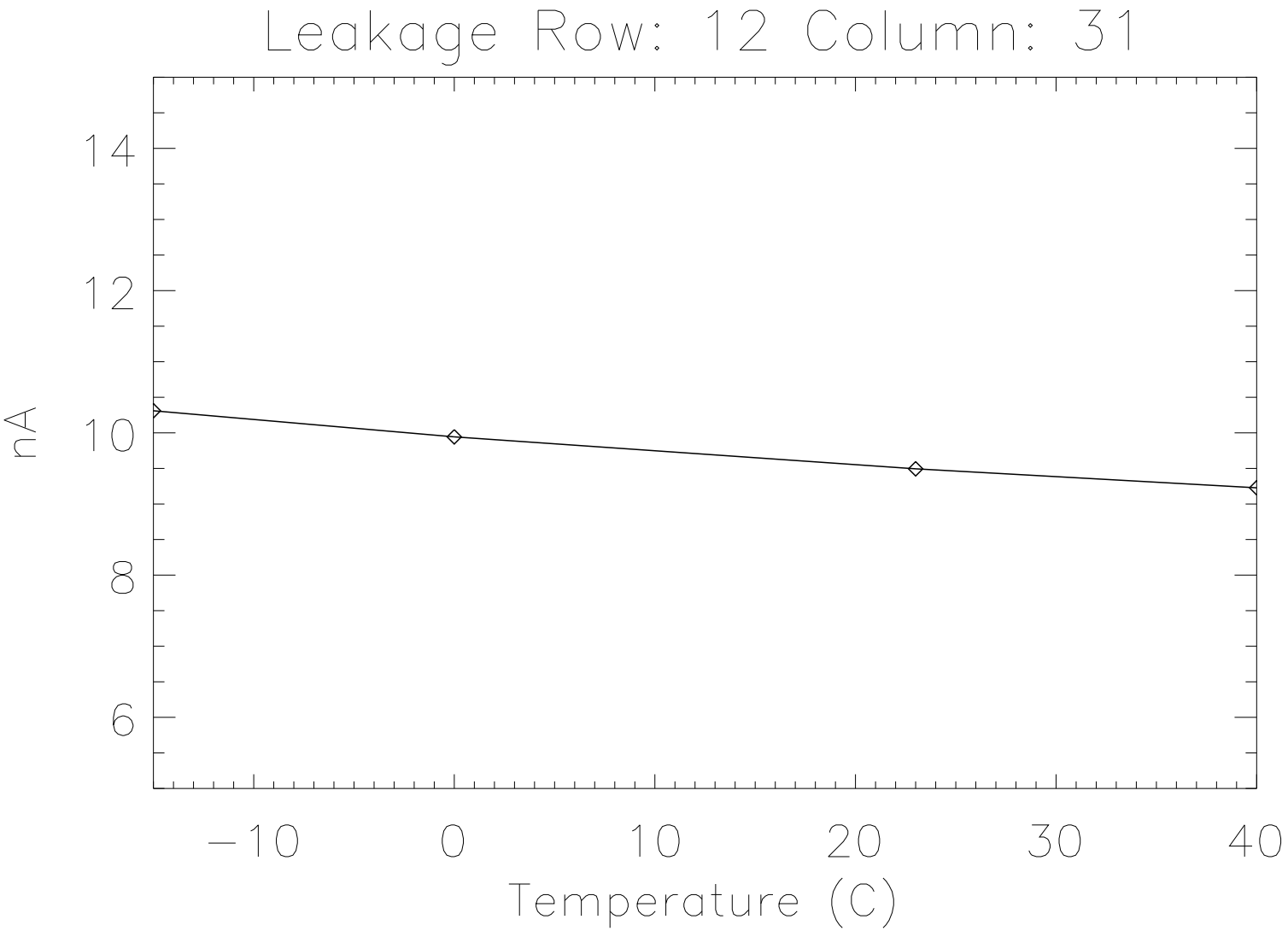
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 12 Column: 31
nA
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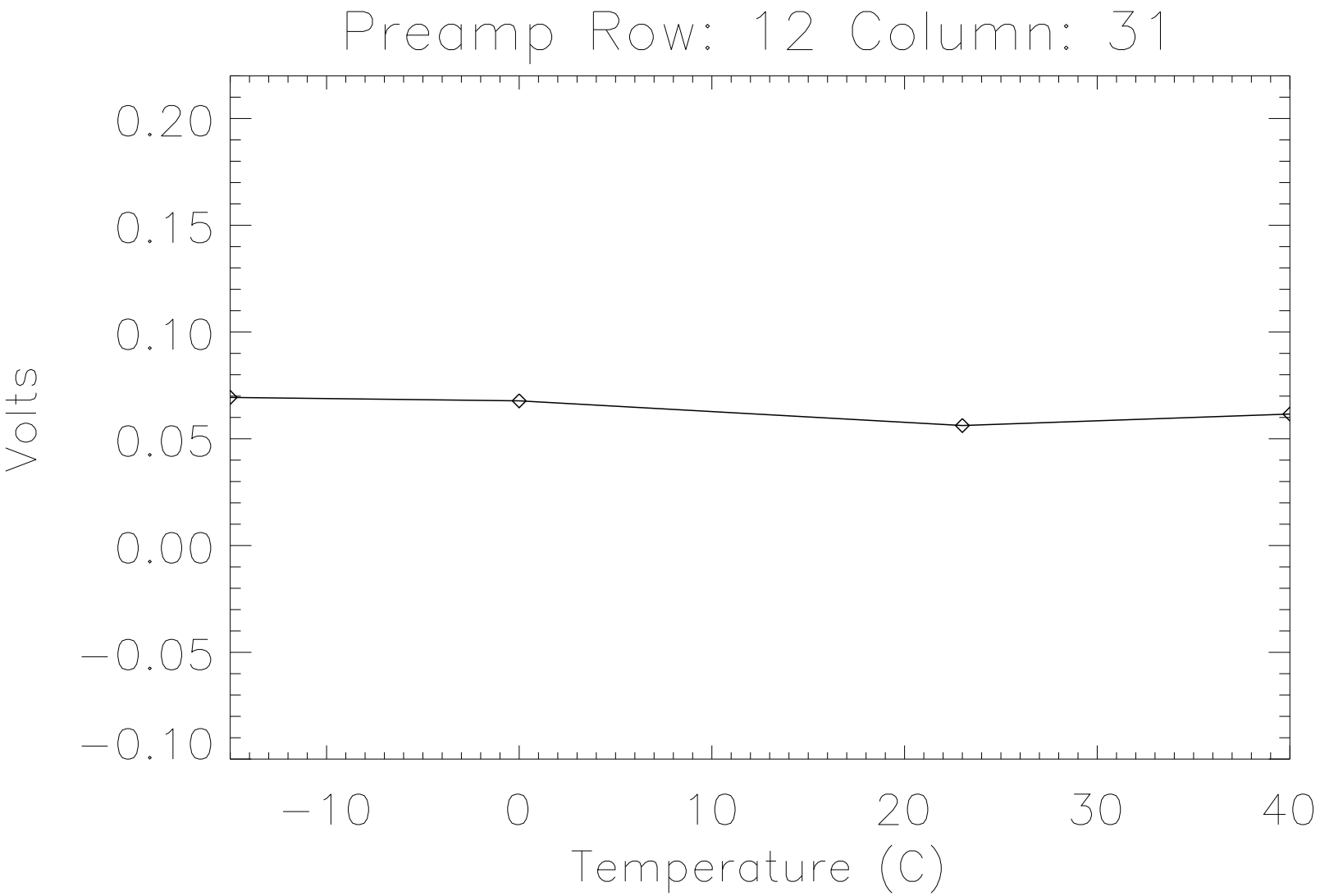
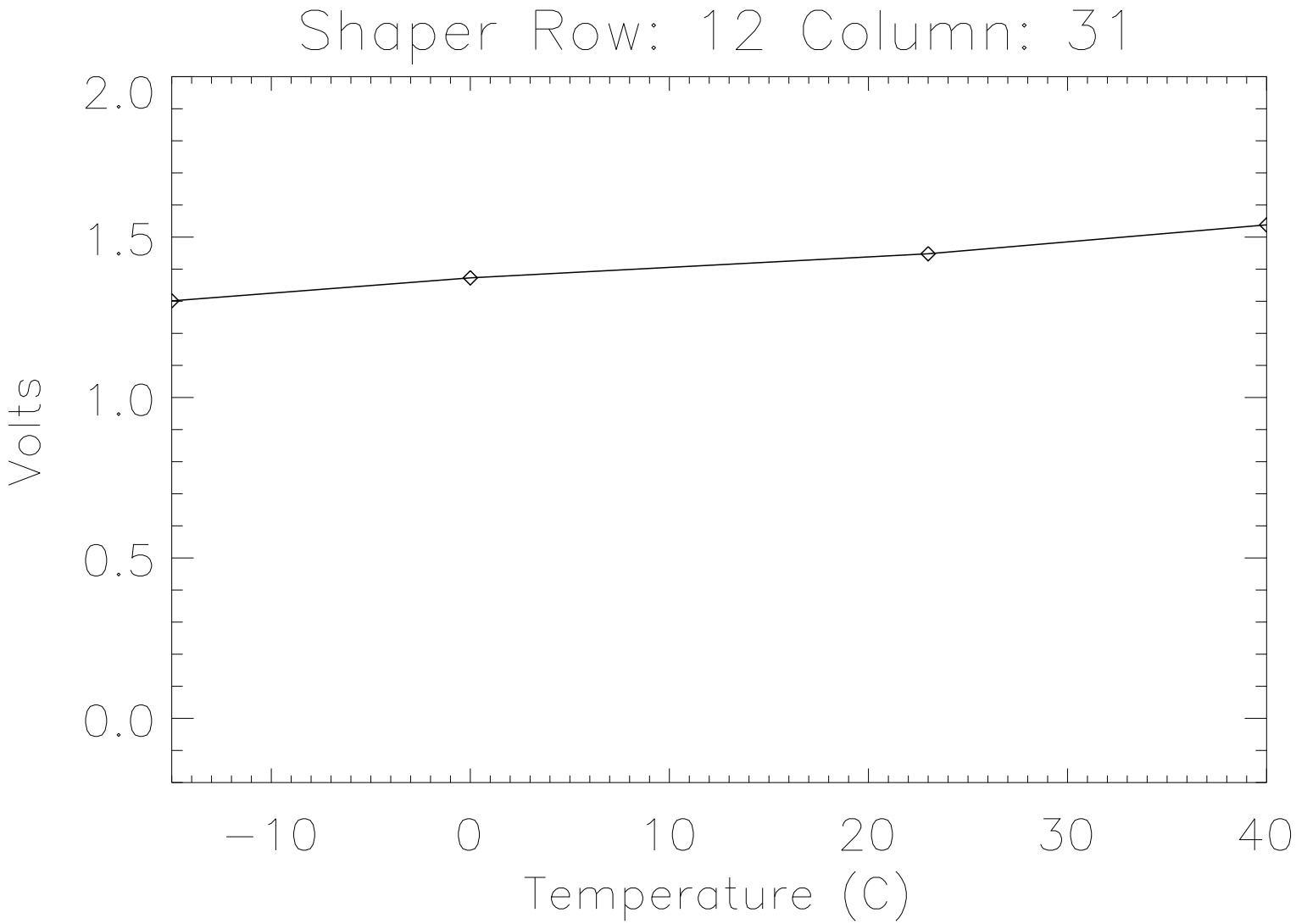
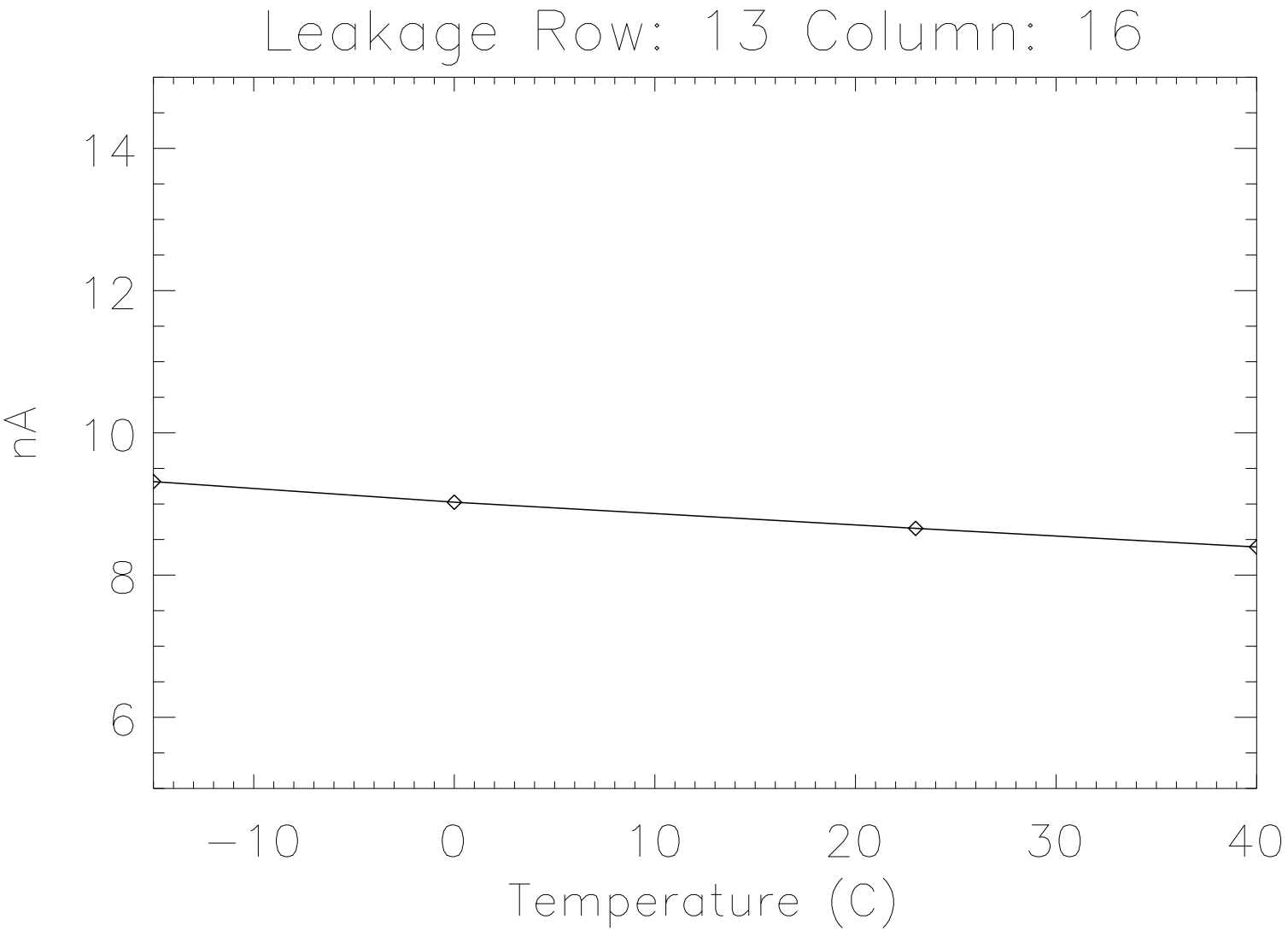
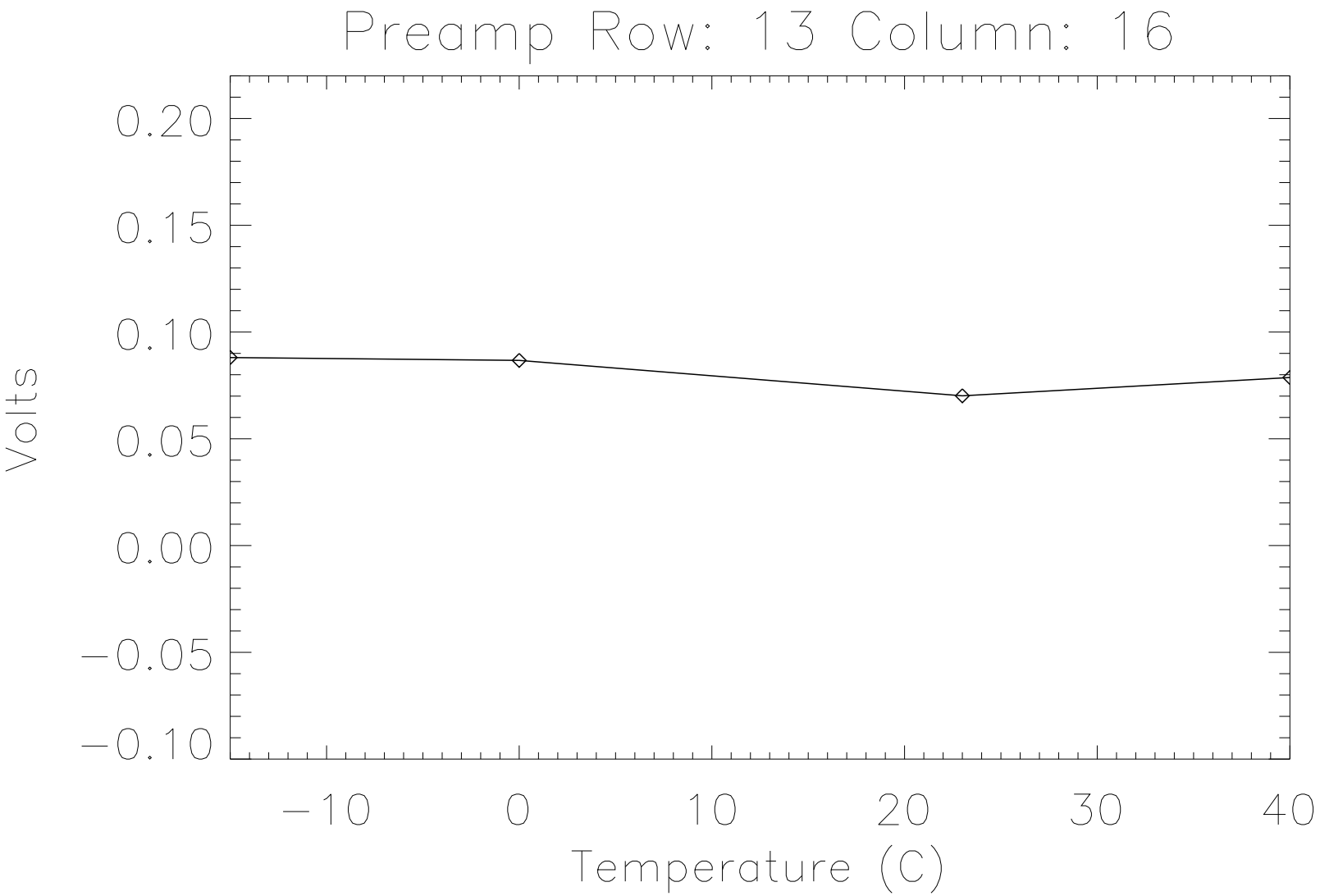
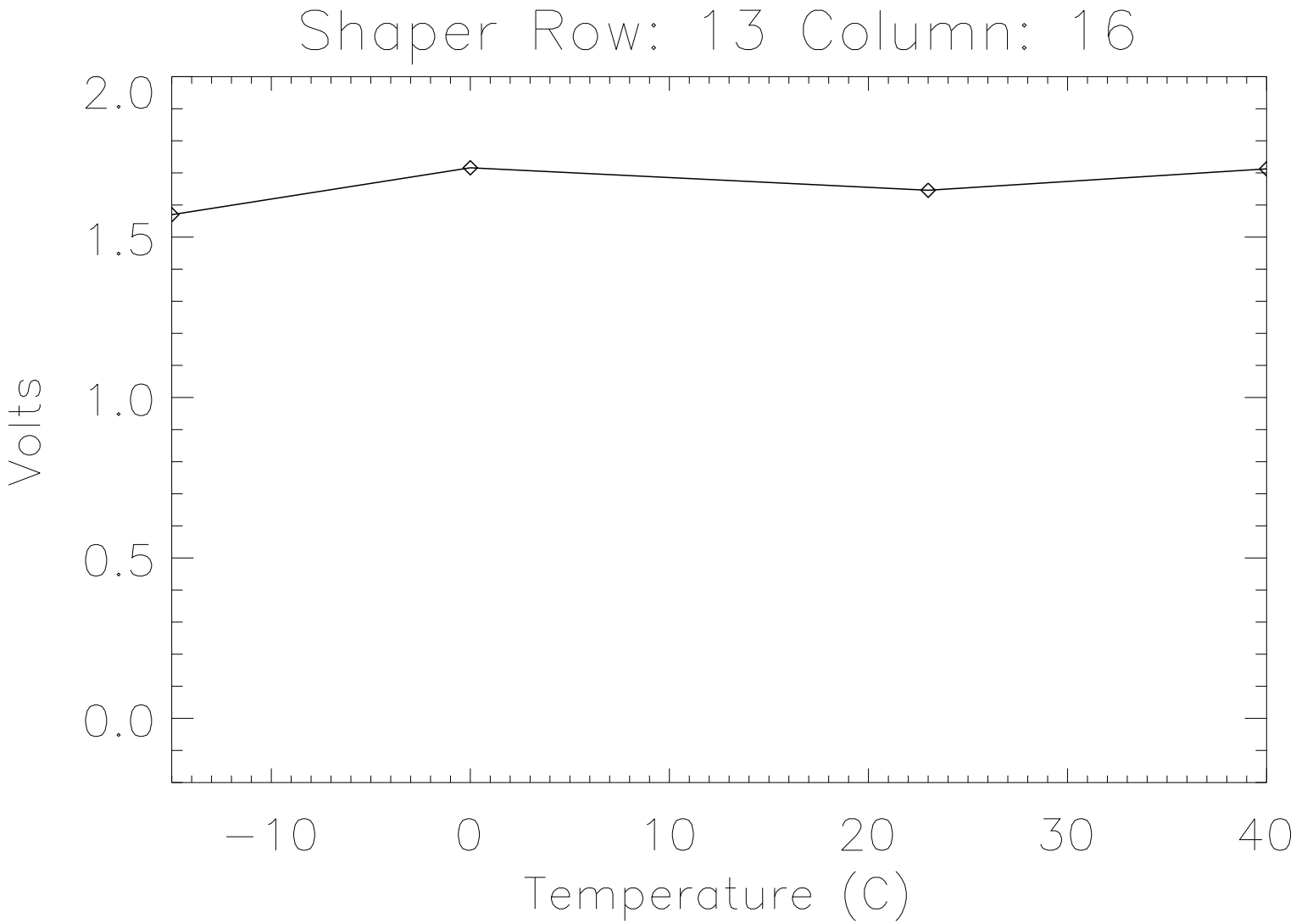
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

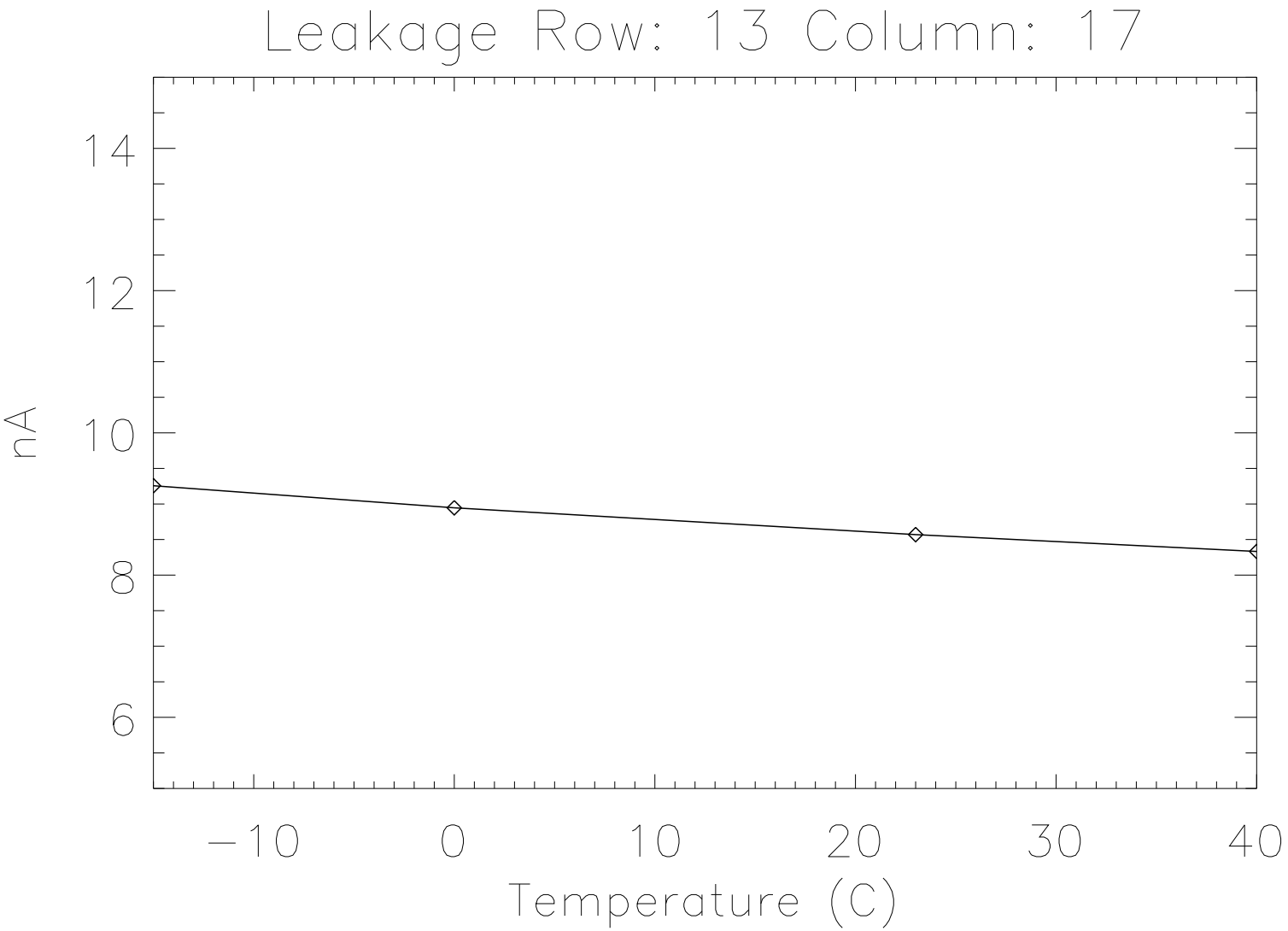

Preamp Row: 12 Column: 31
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

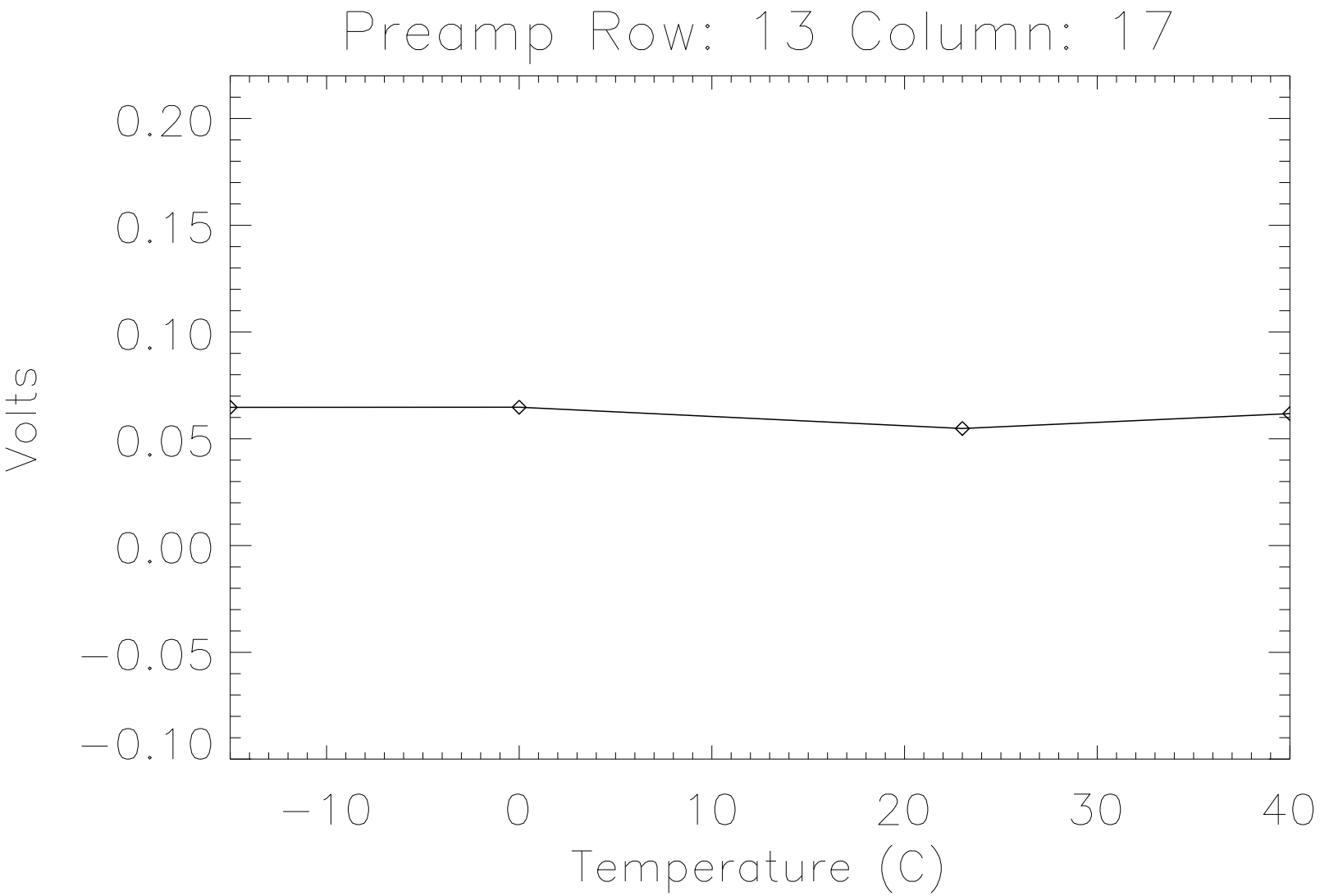

Shaper Row: 12 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 13 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 16
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 13 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
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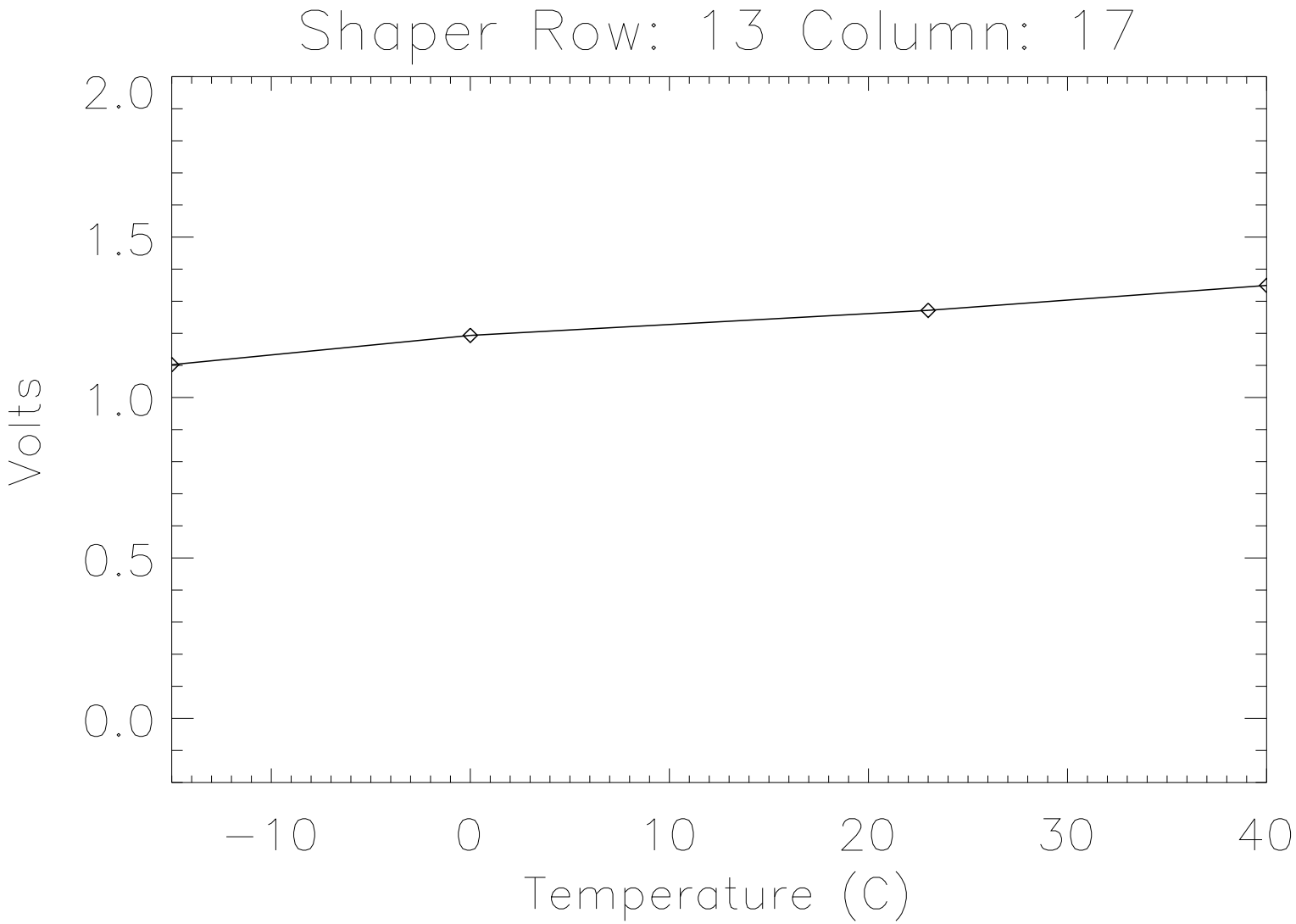
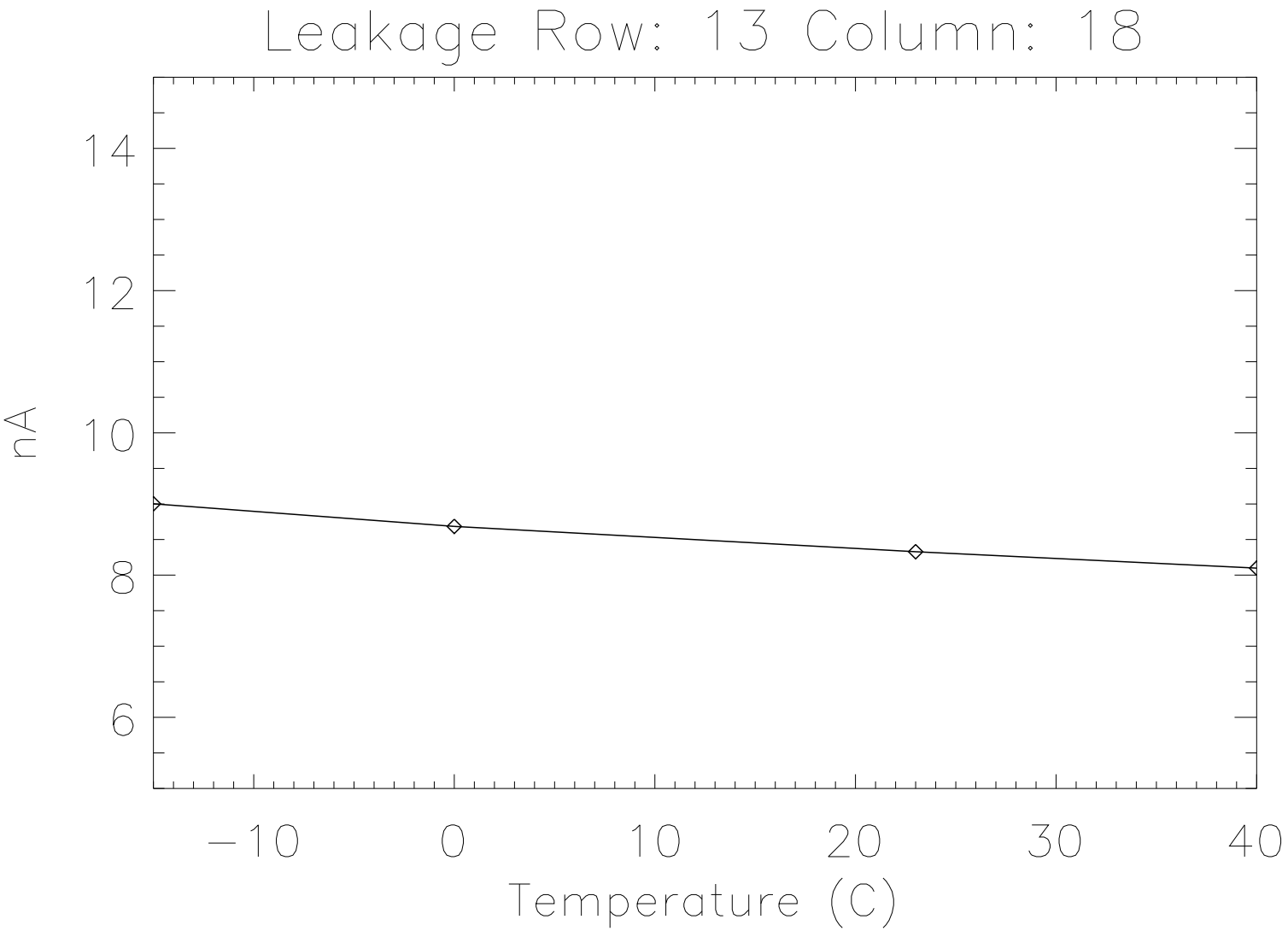
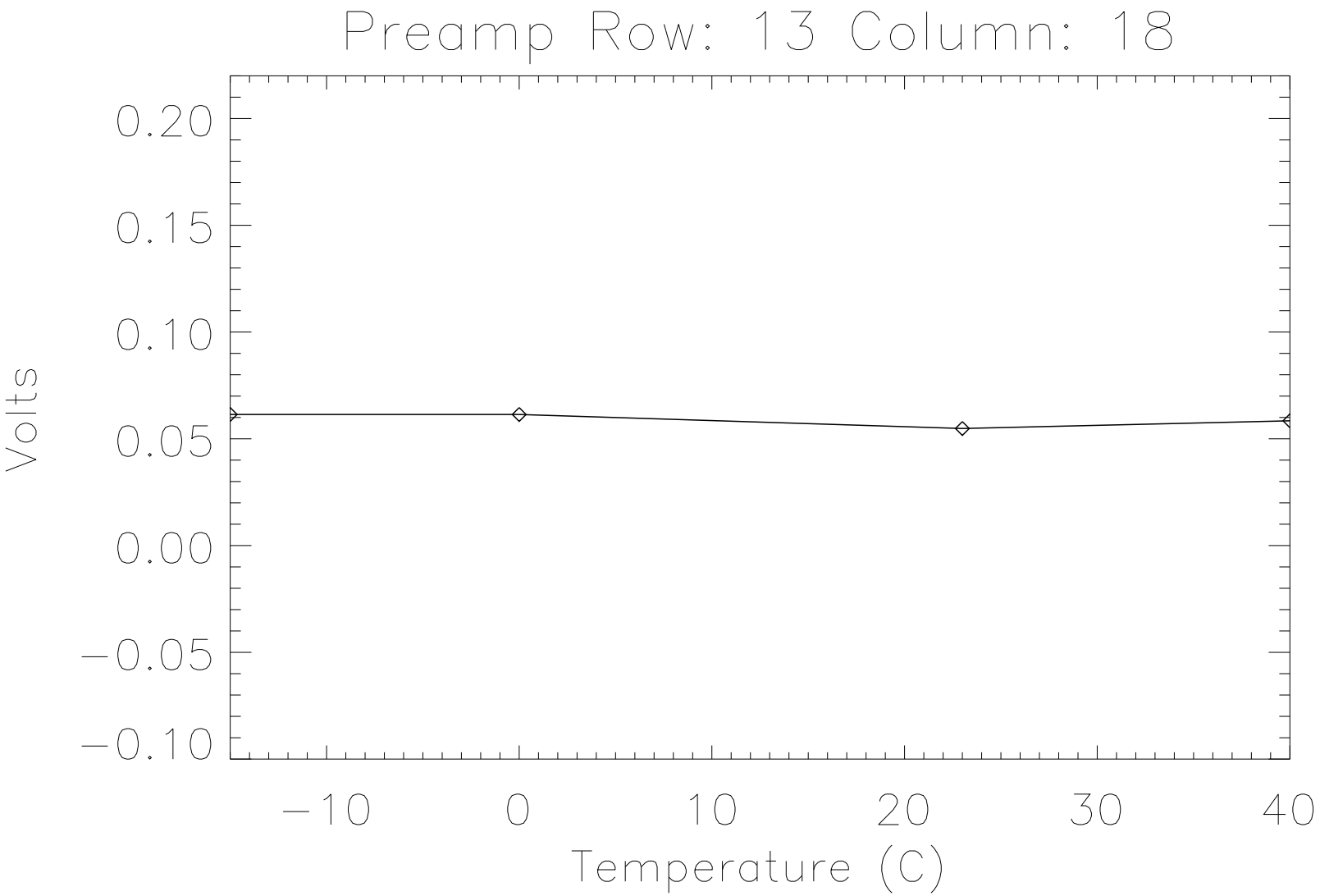
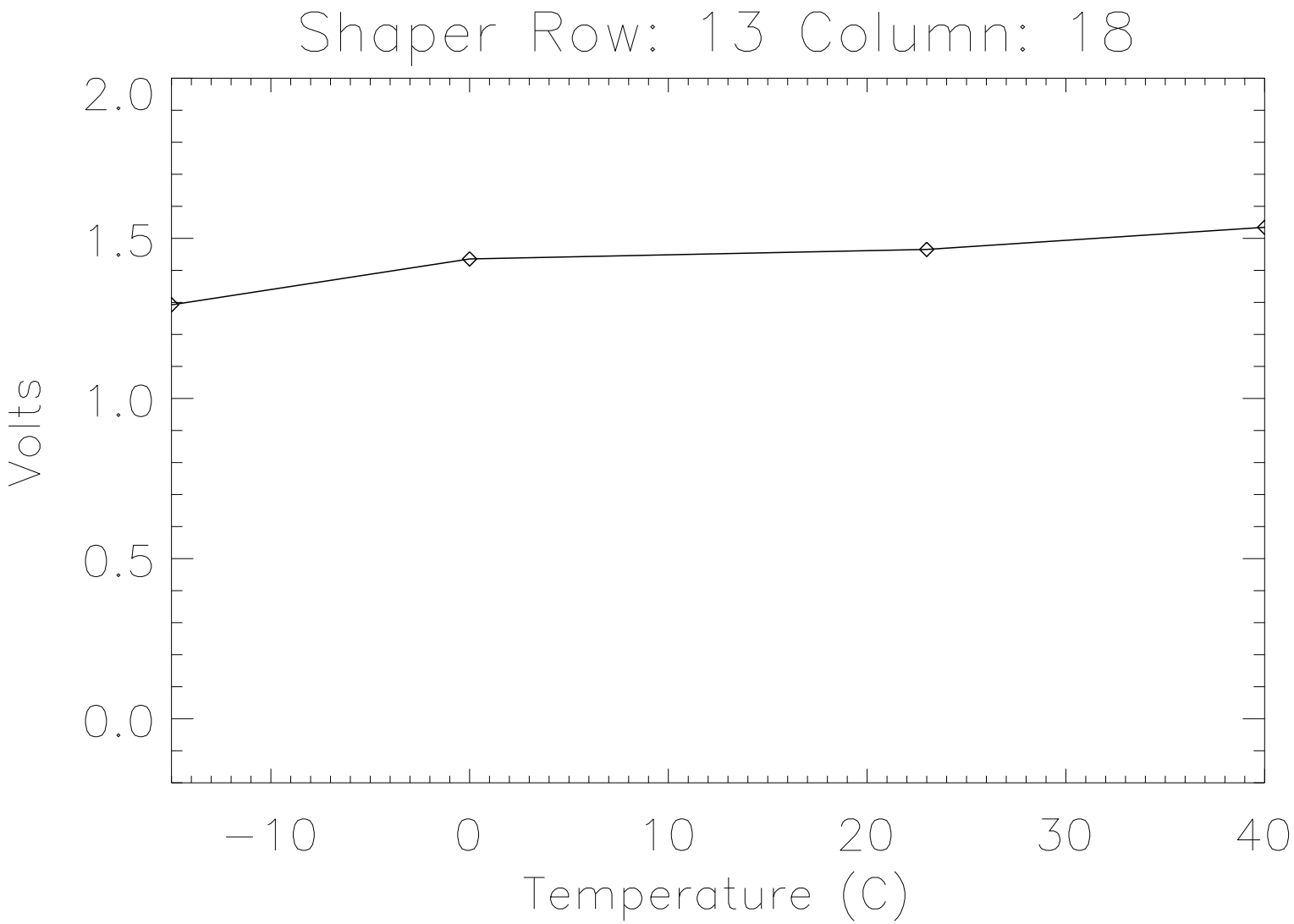
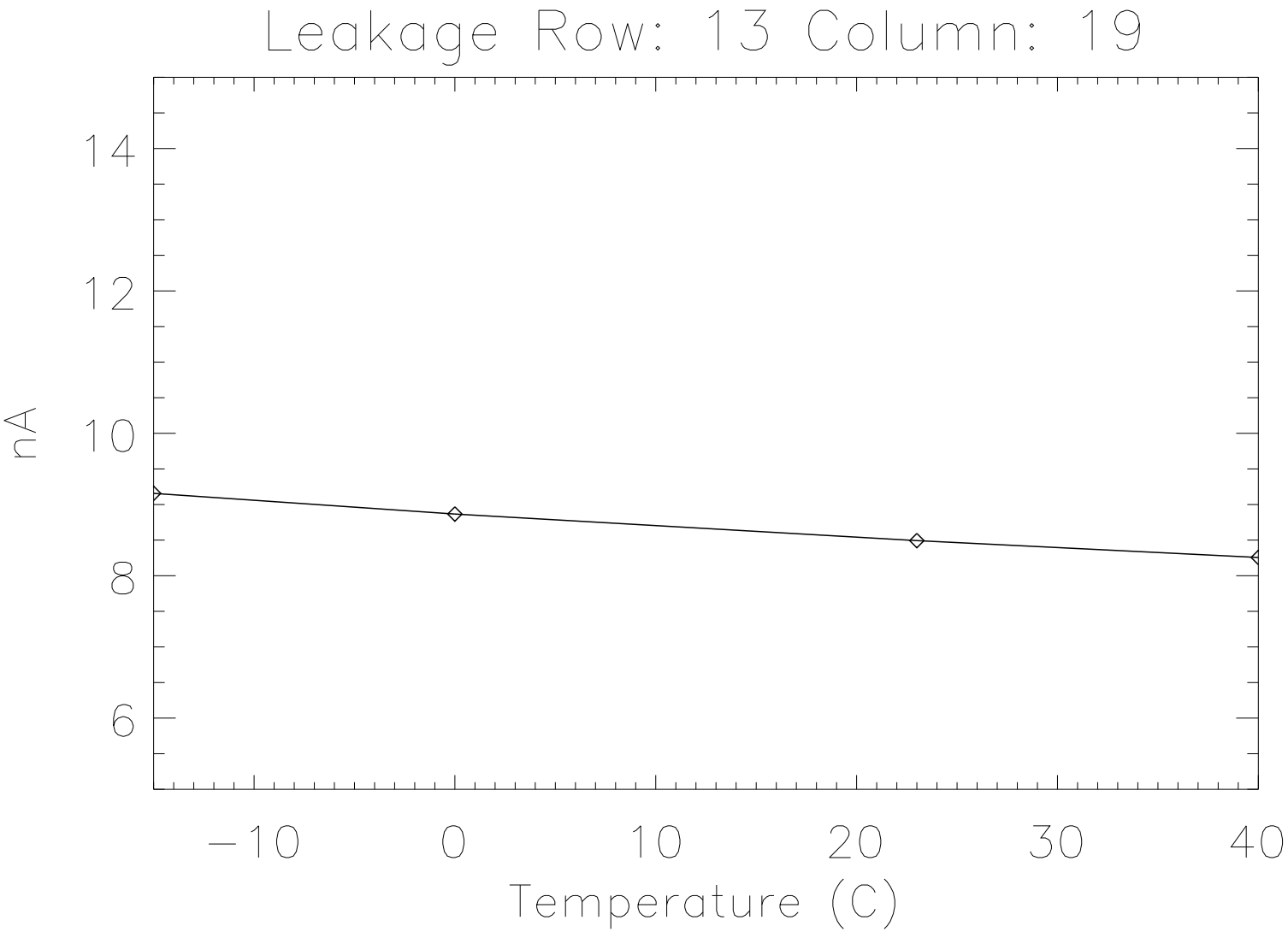
20
30
40
Temperature (C)

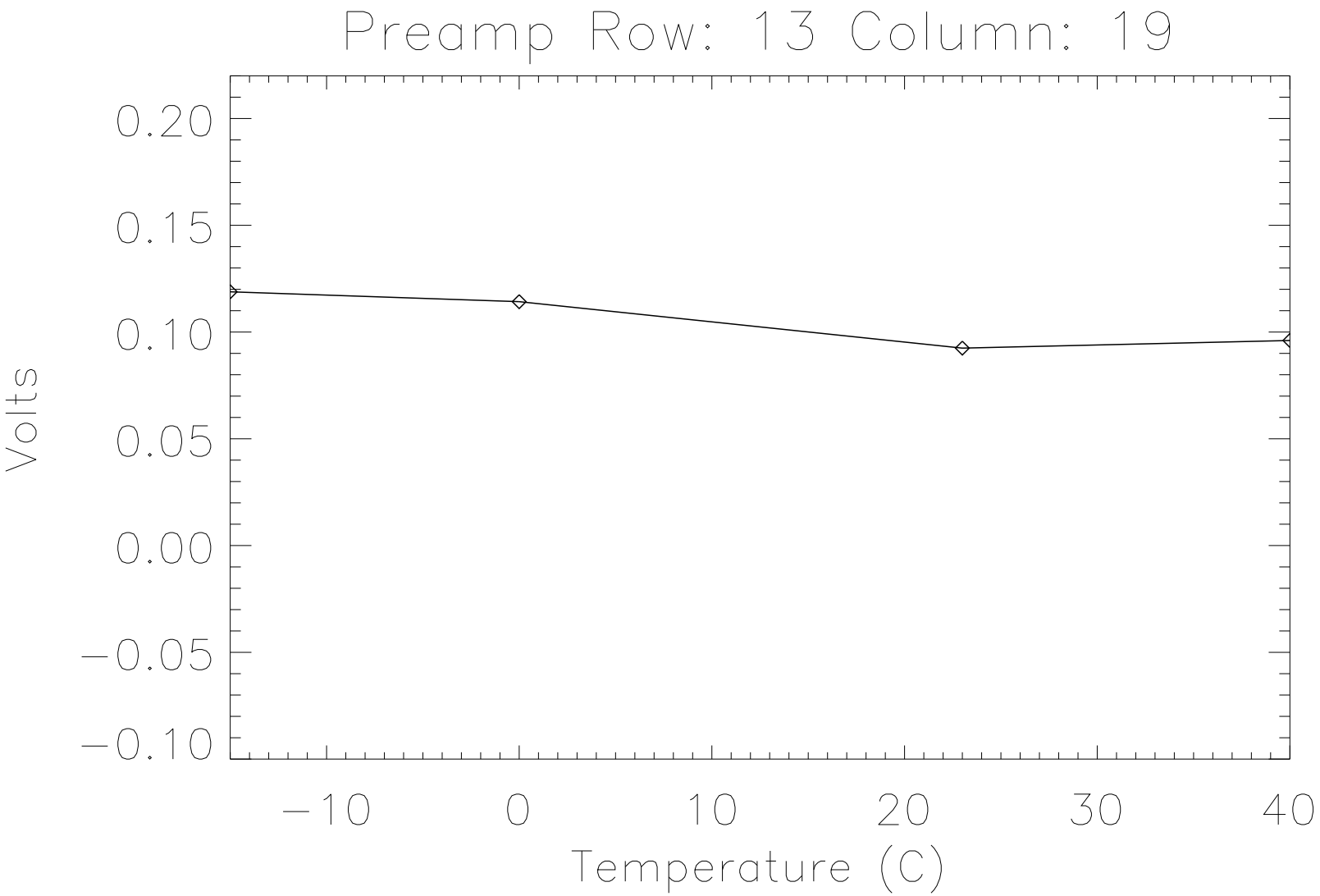

Shaper Row: 13 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 13 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 13 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 19
0.20
0.15
0.10
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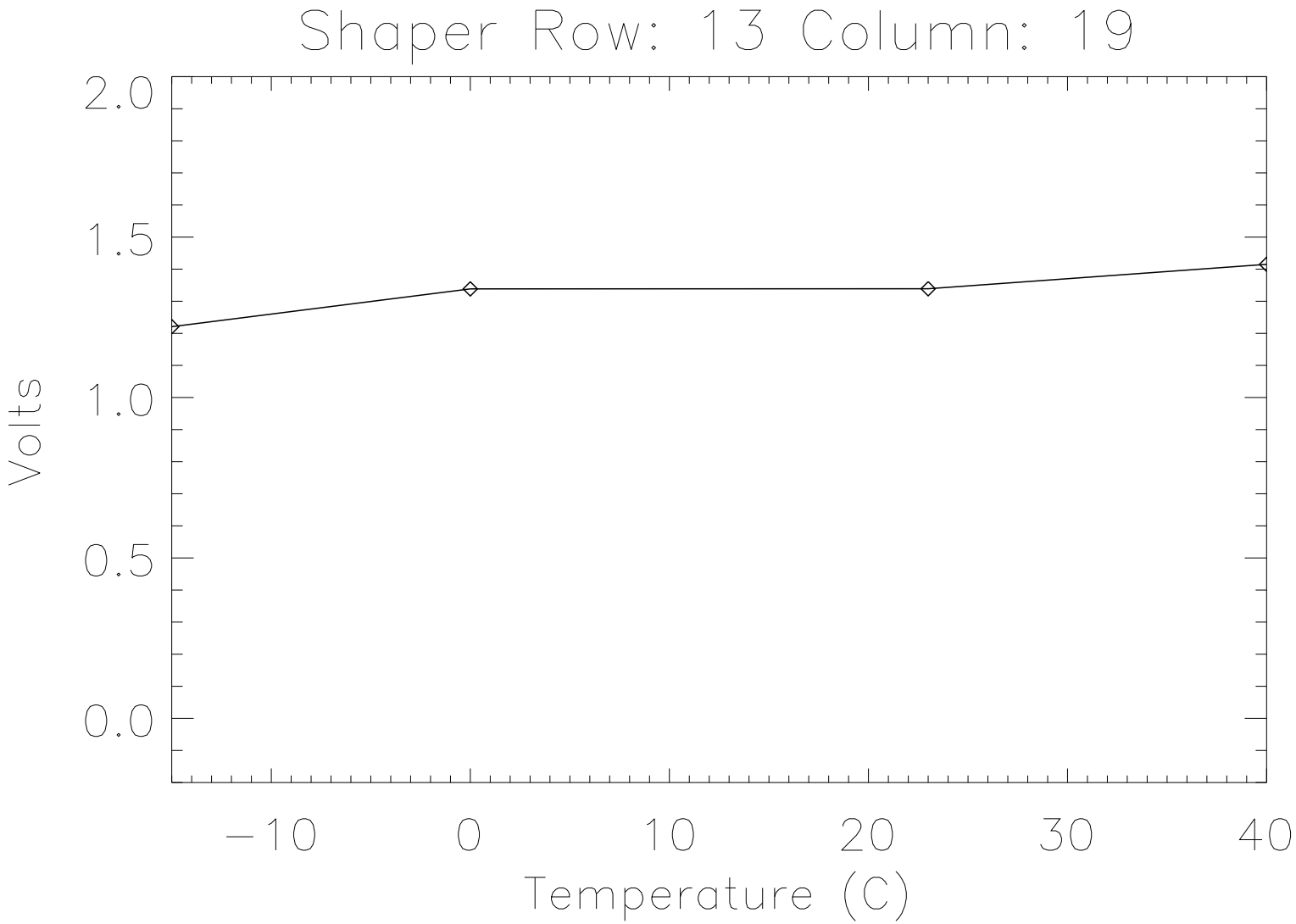
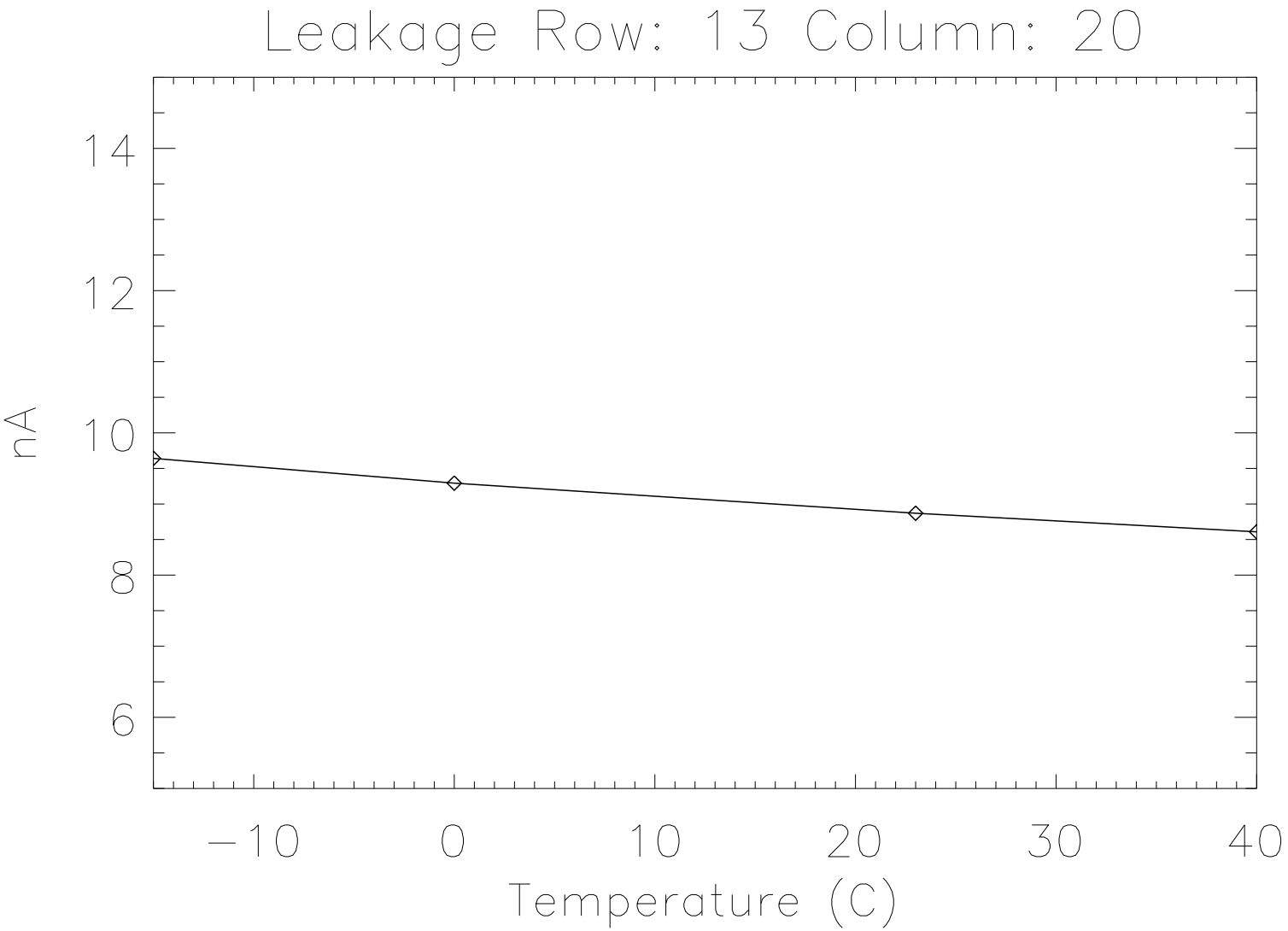
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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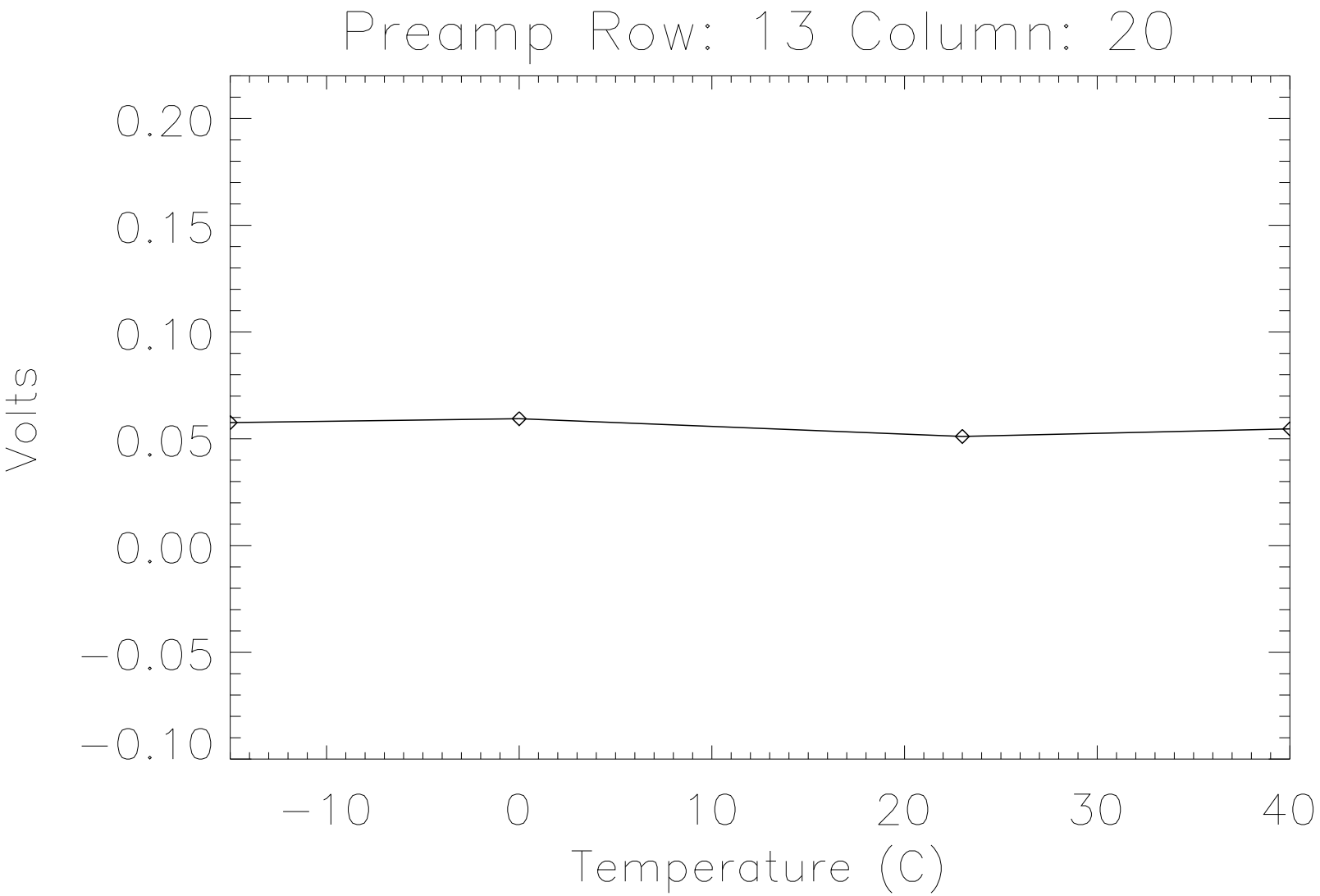
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 20
0.20
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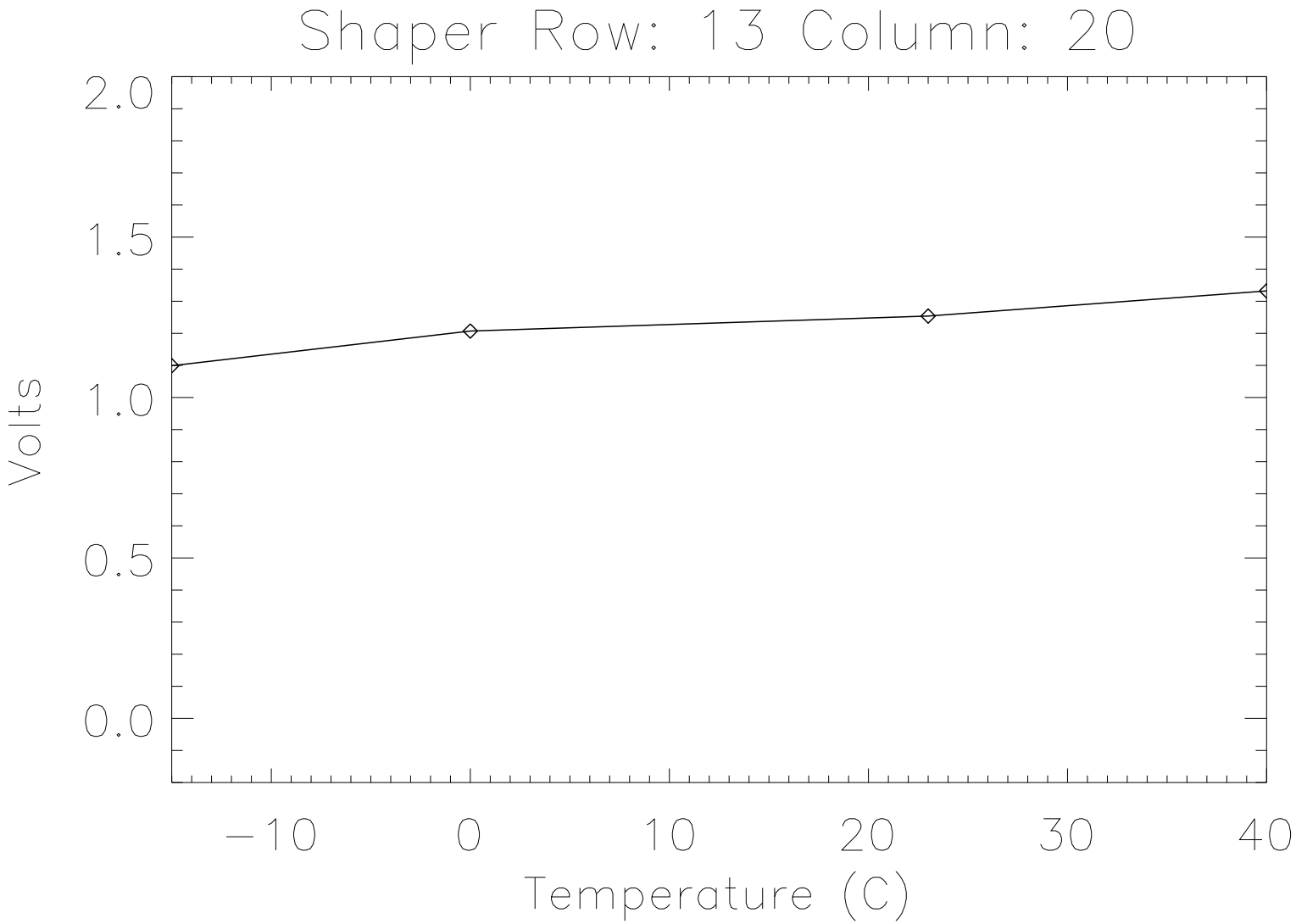
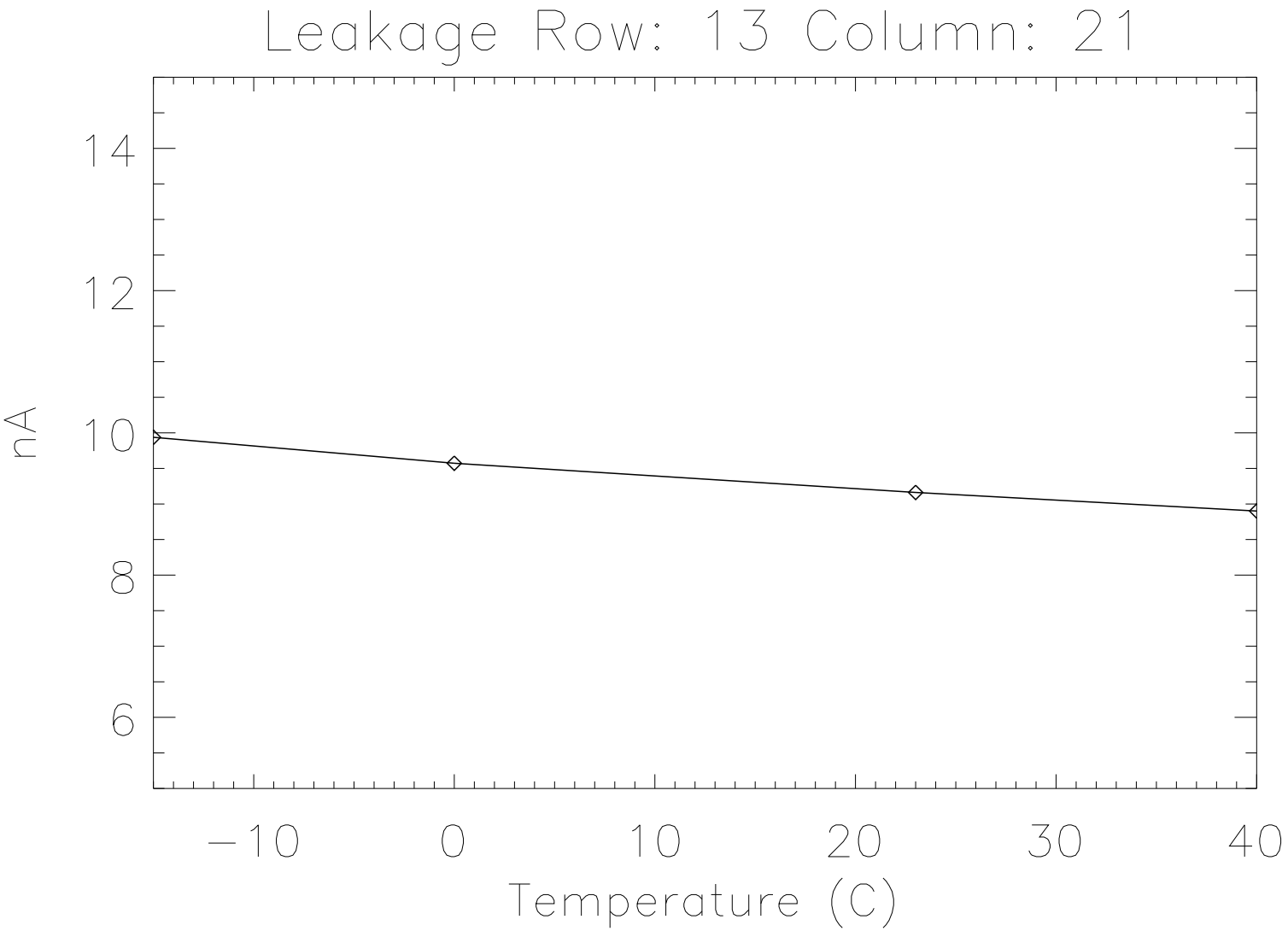
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 13 Column: 21
nA
14
12
10
8
6
−10
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10
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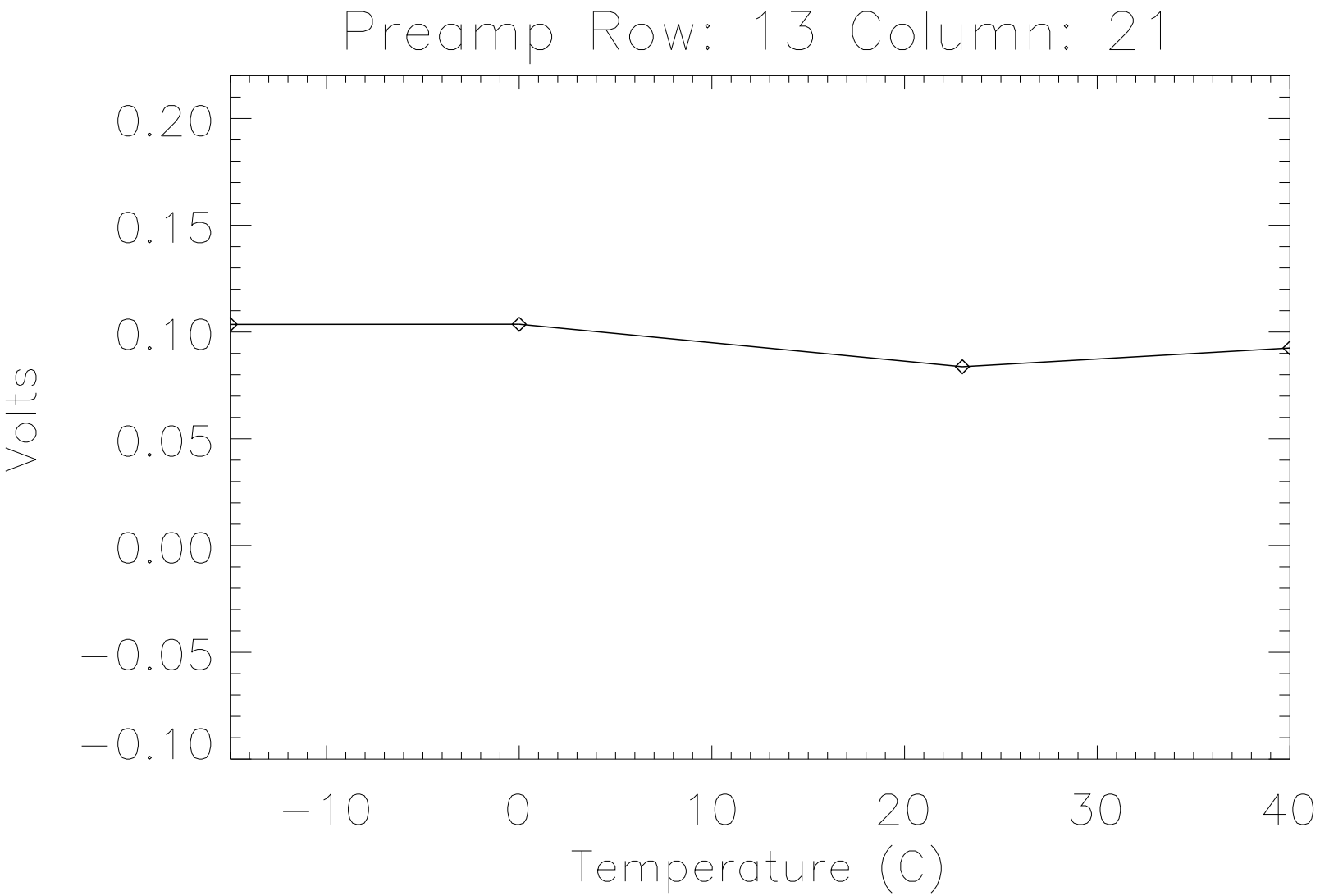
30
40
Temperature (C)


Preamp Row: 13 Column: 21
0.20
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0.10
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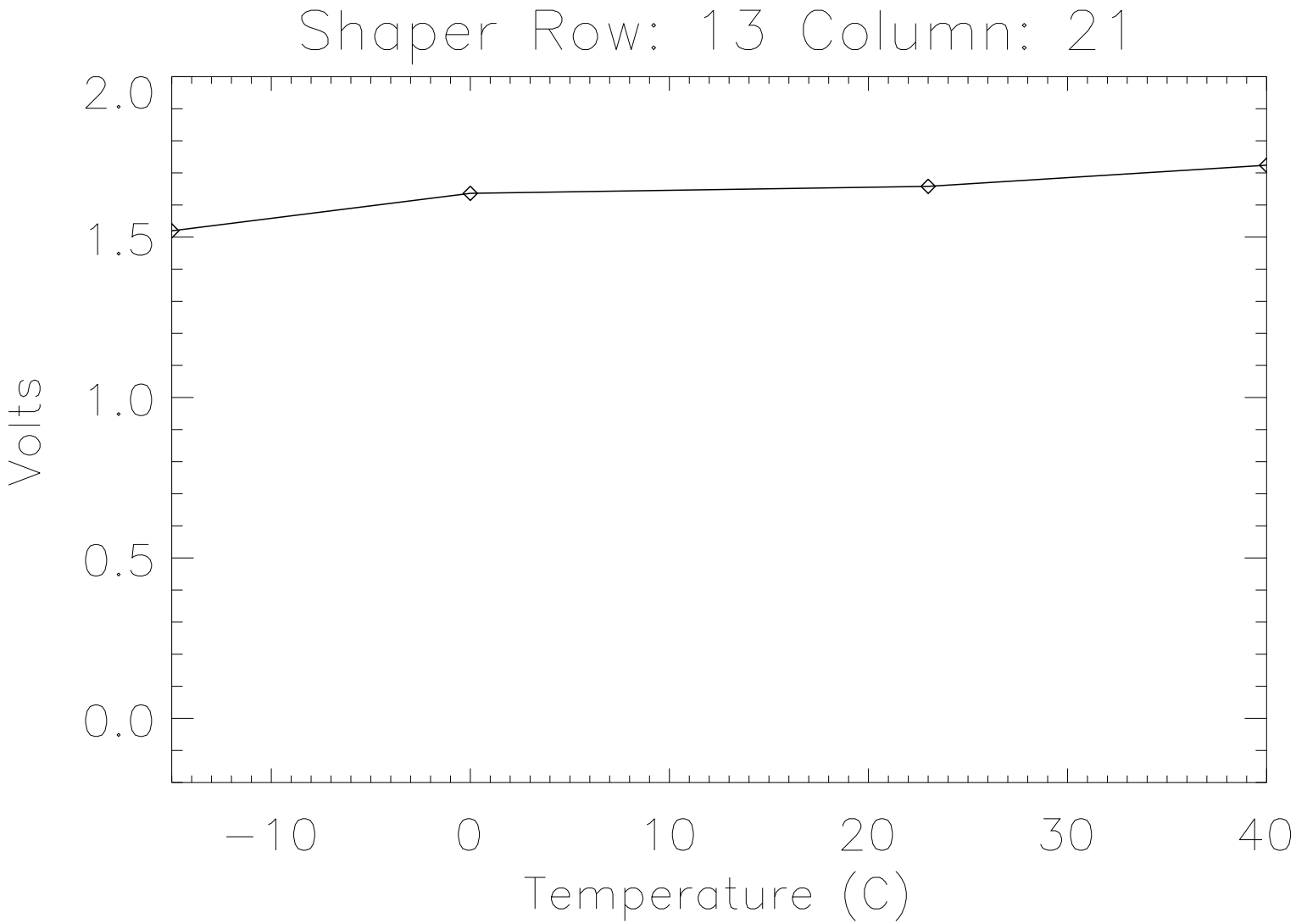
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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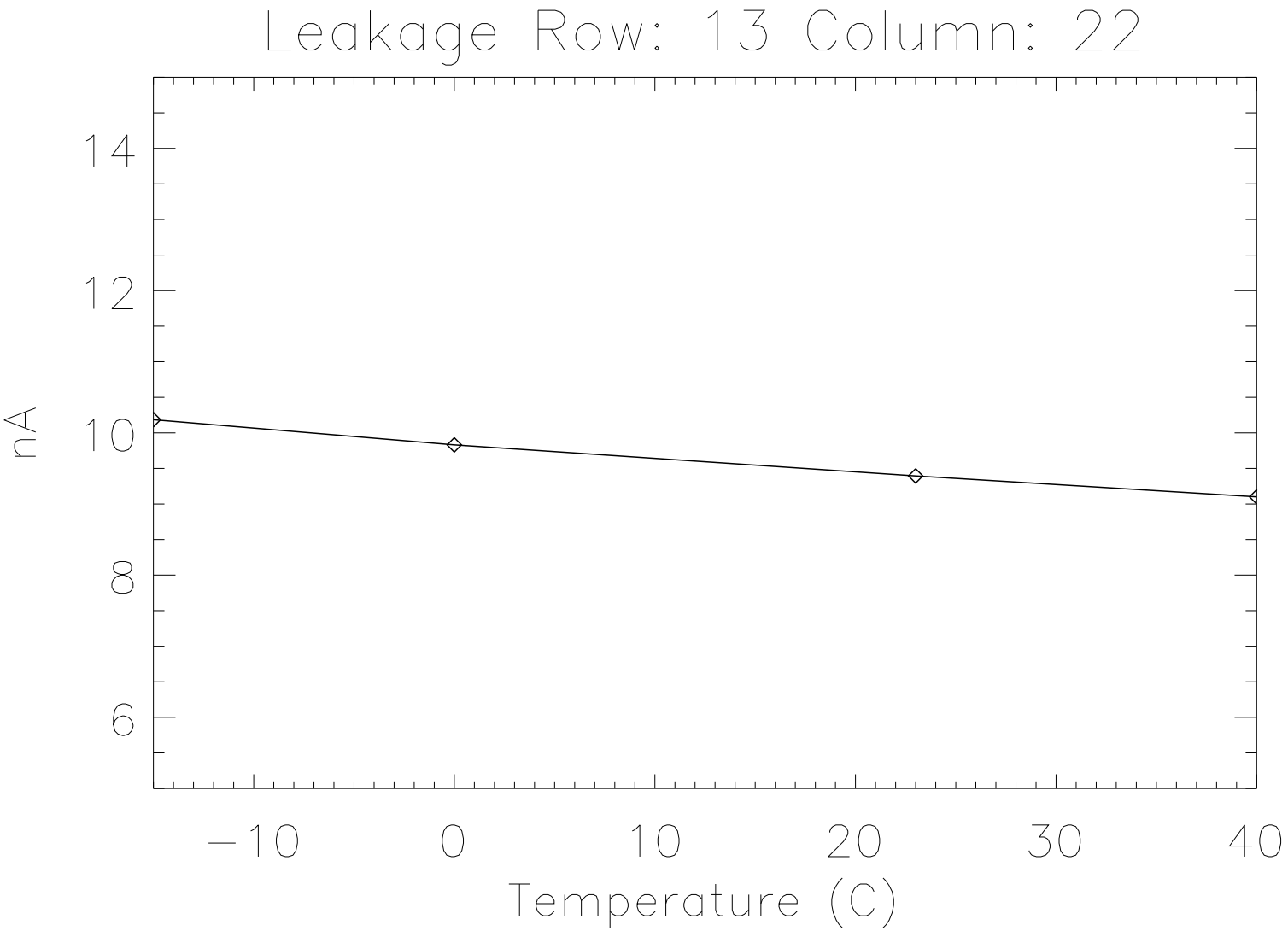
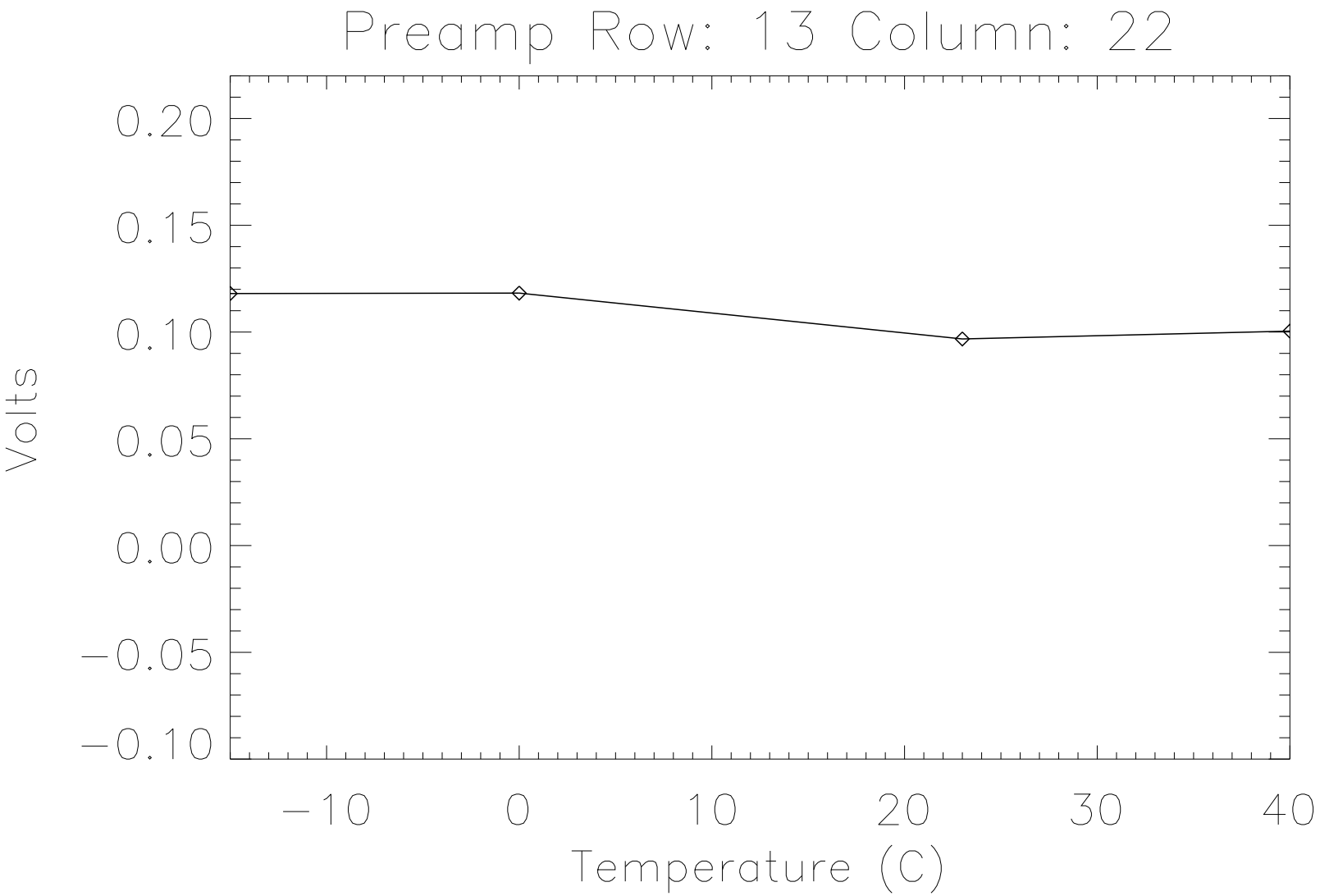
20
30
40
Temperature (C)


Leakage Row: 13 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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0.00
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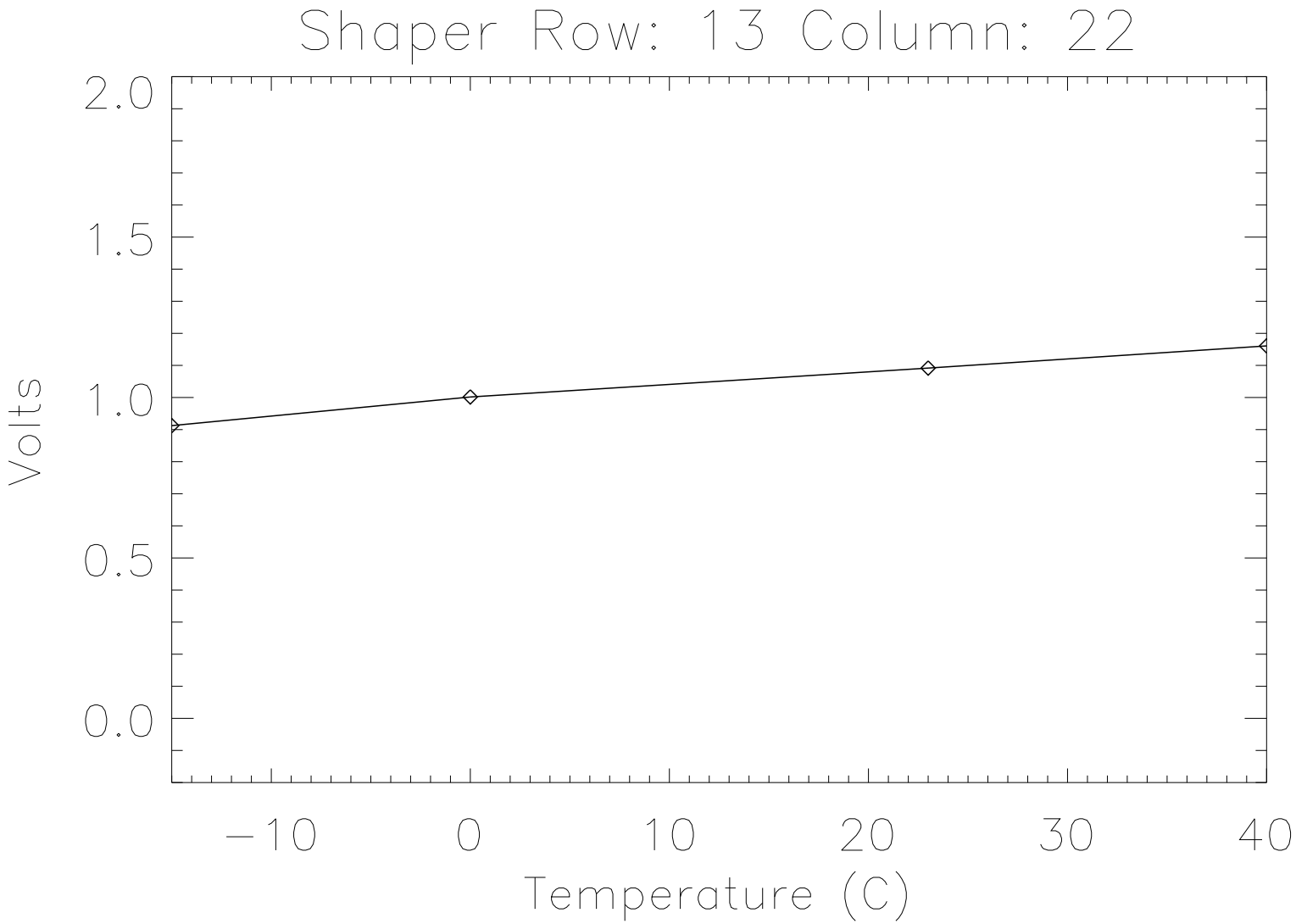
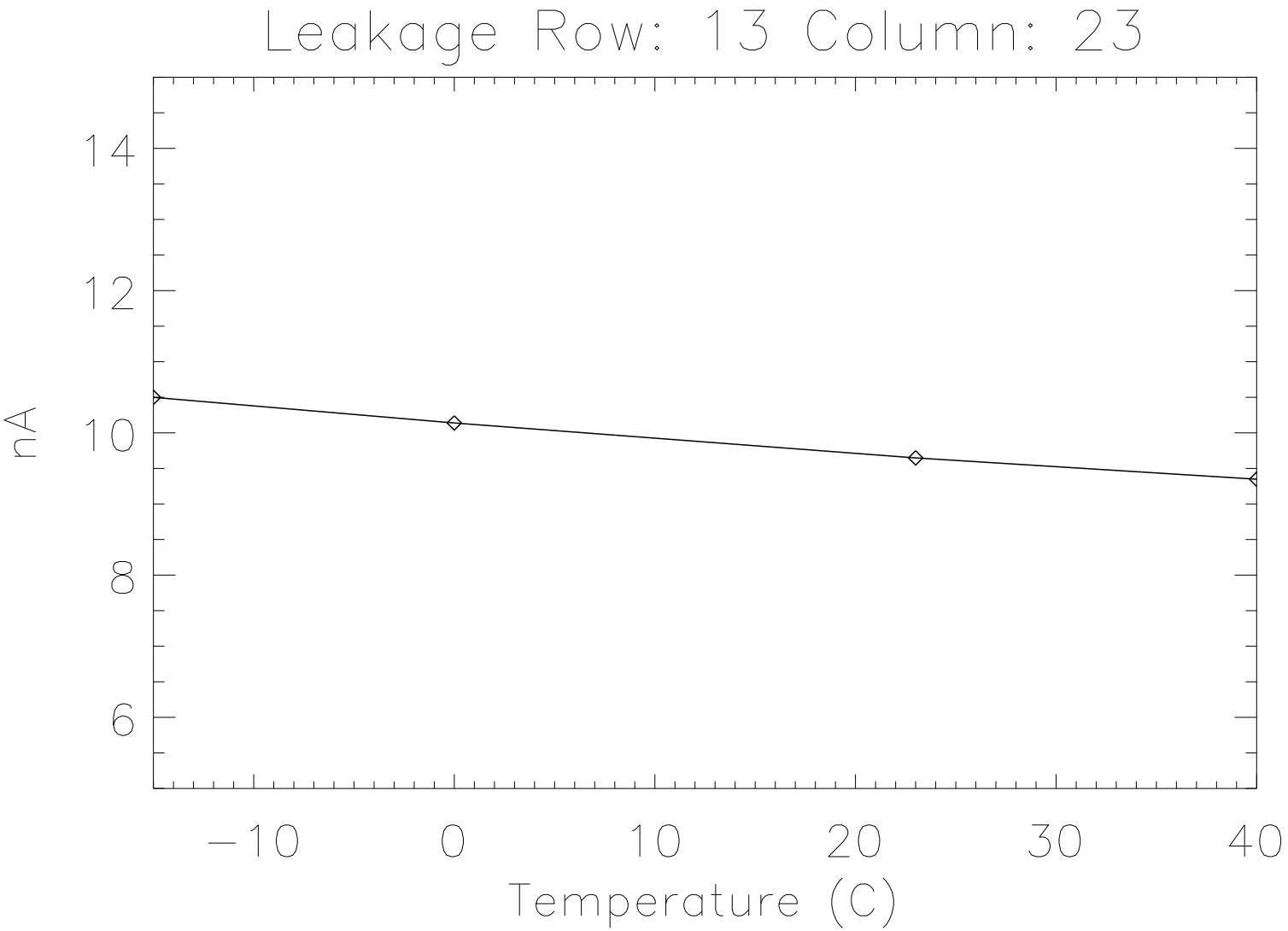
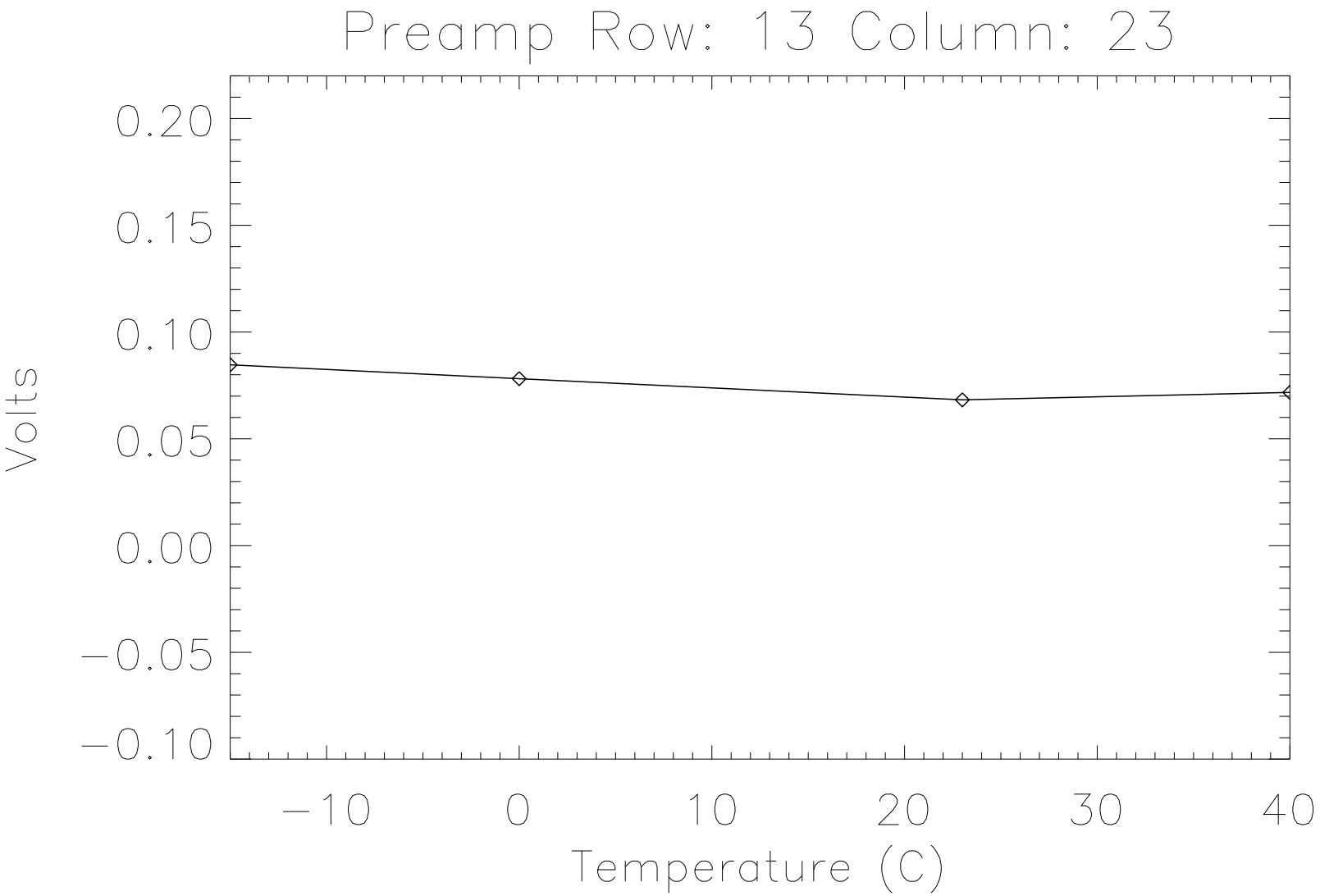
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 13 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 23
0.20
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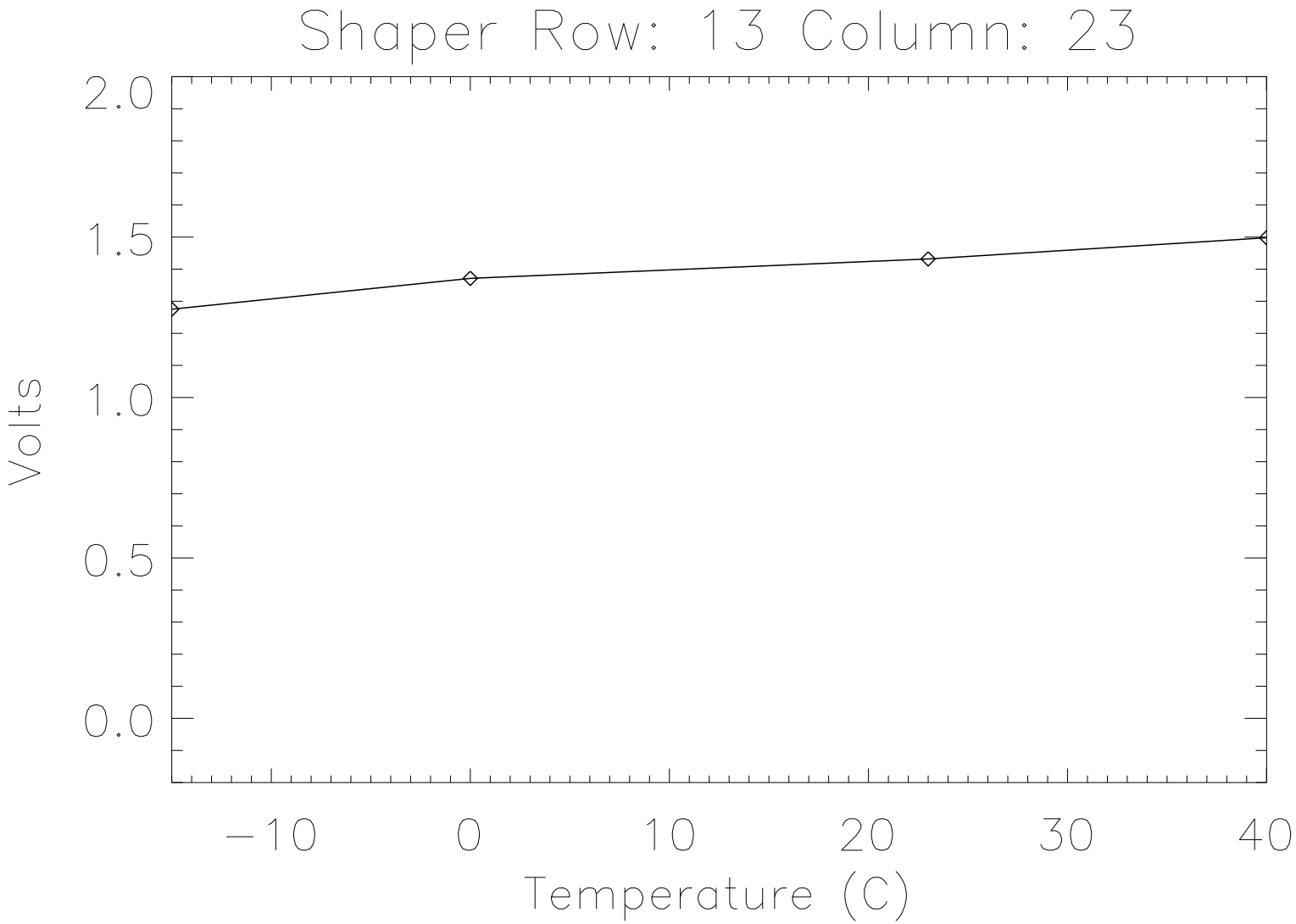
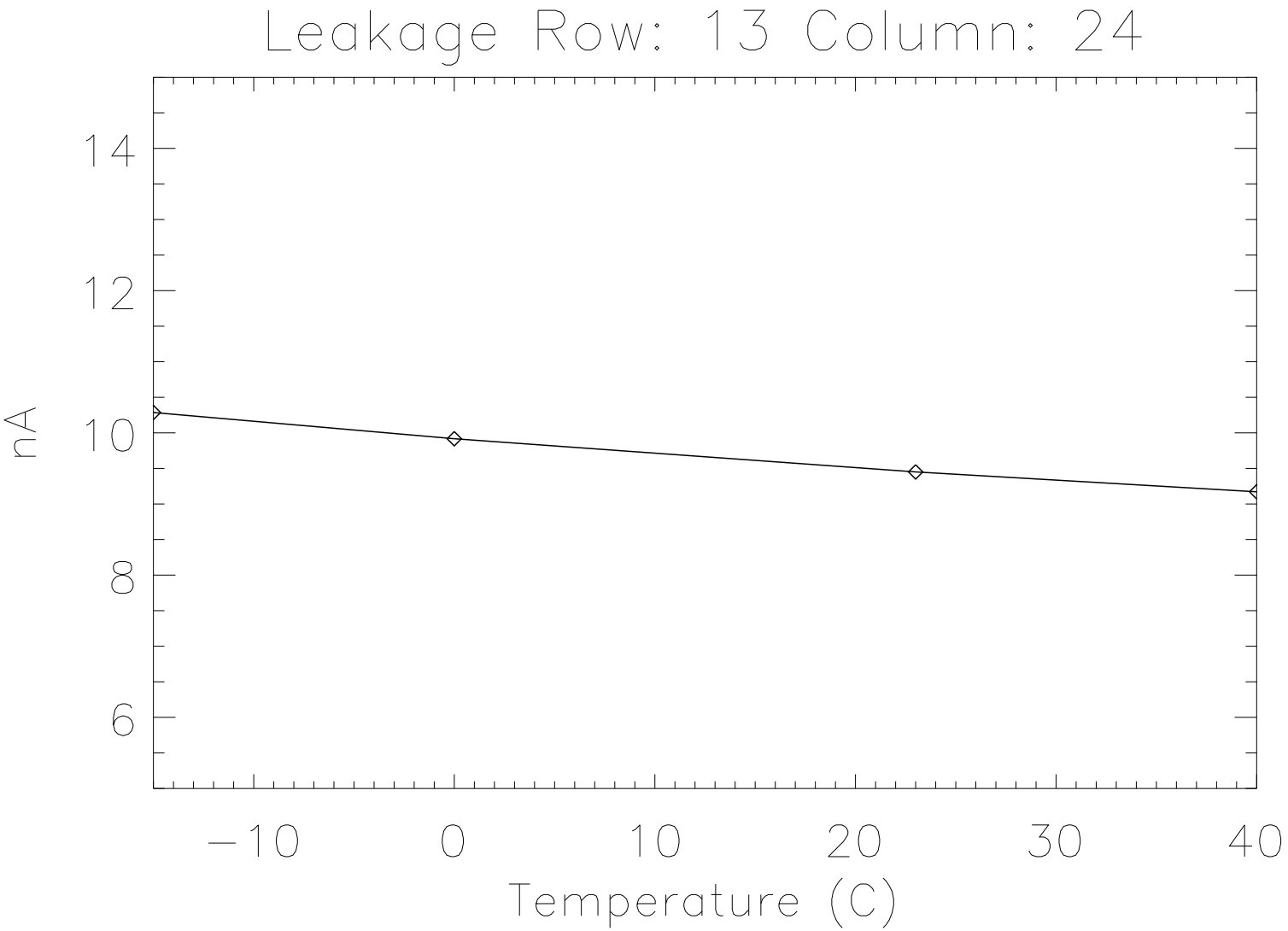
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 13 Column: 24
nA
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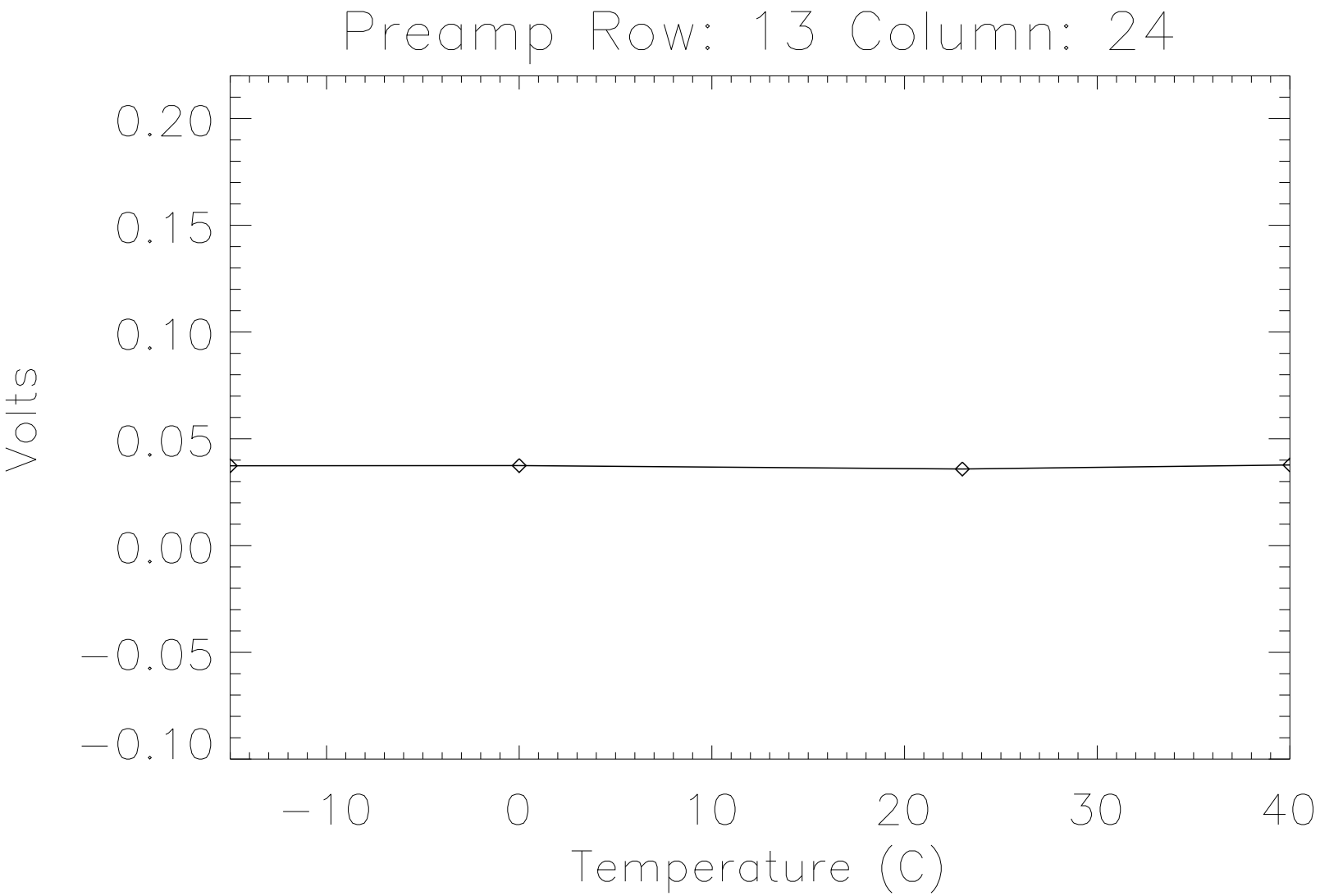
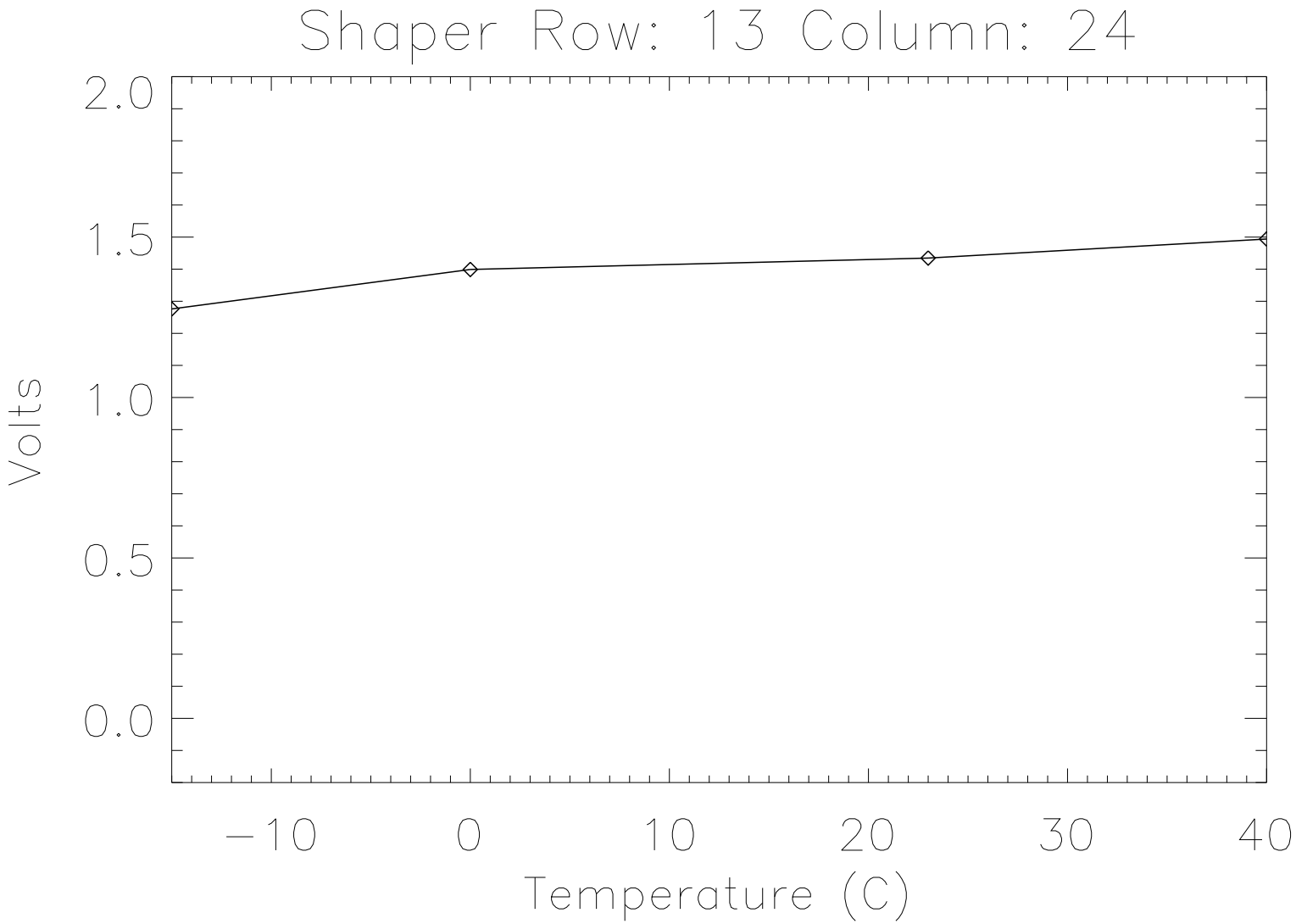
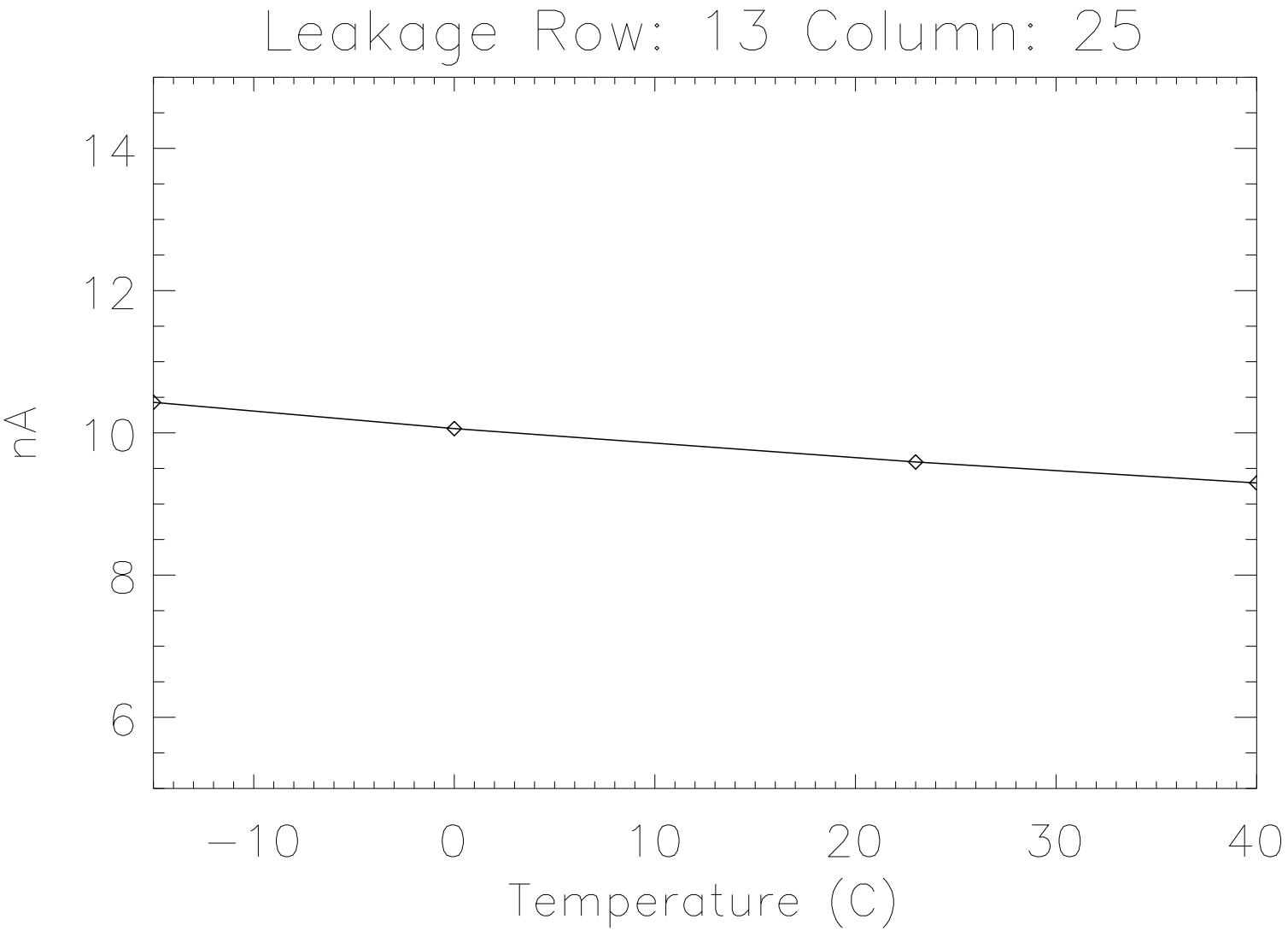
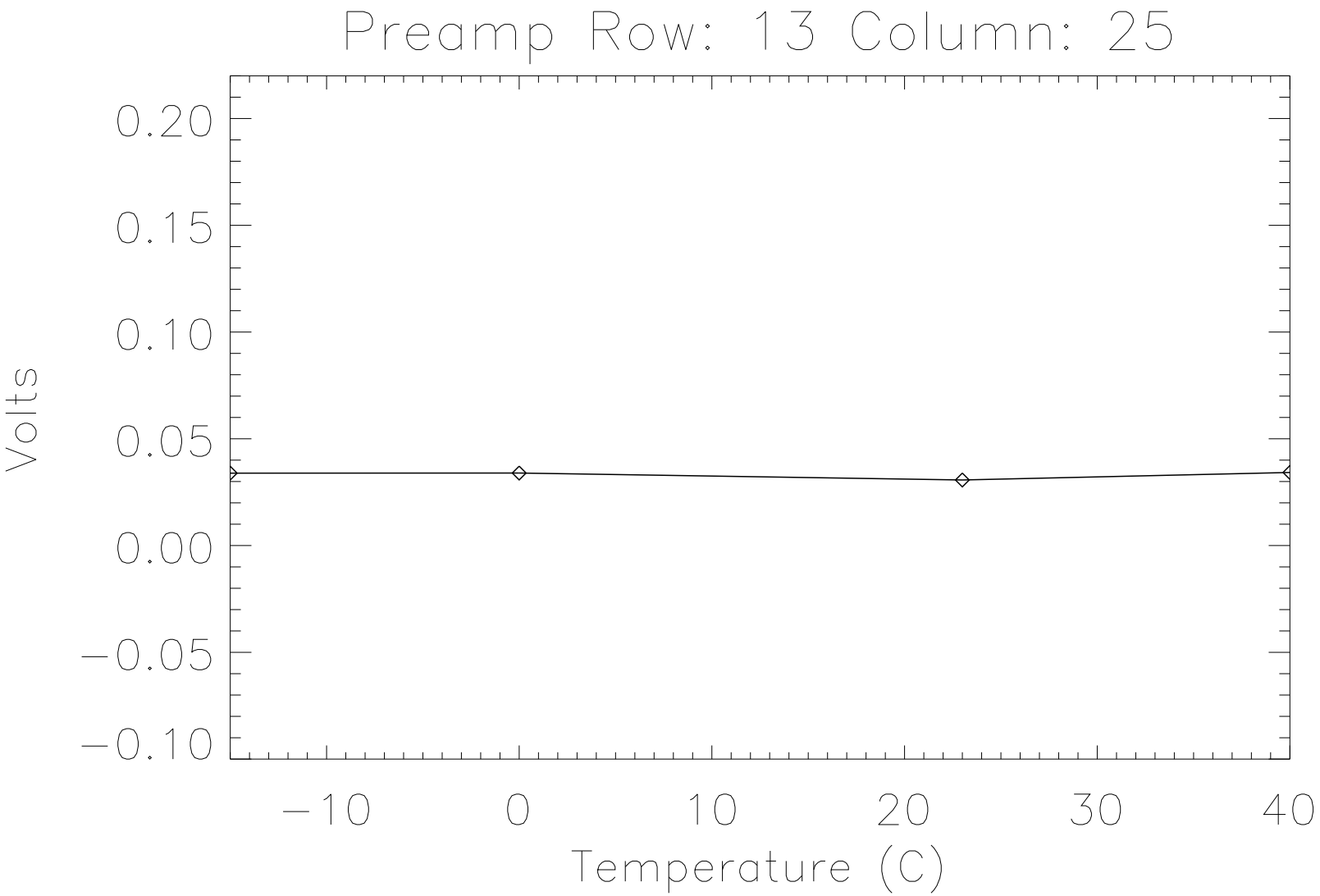
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 13 Column: 25
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 25
0.20
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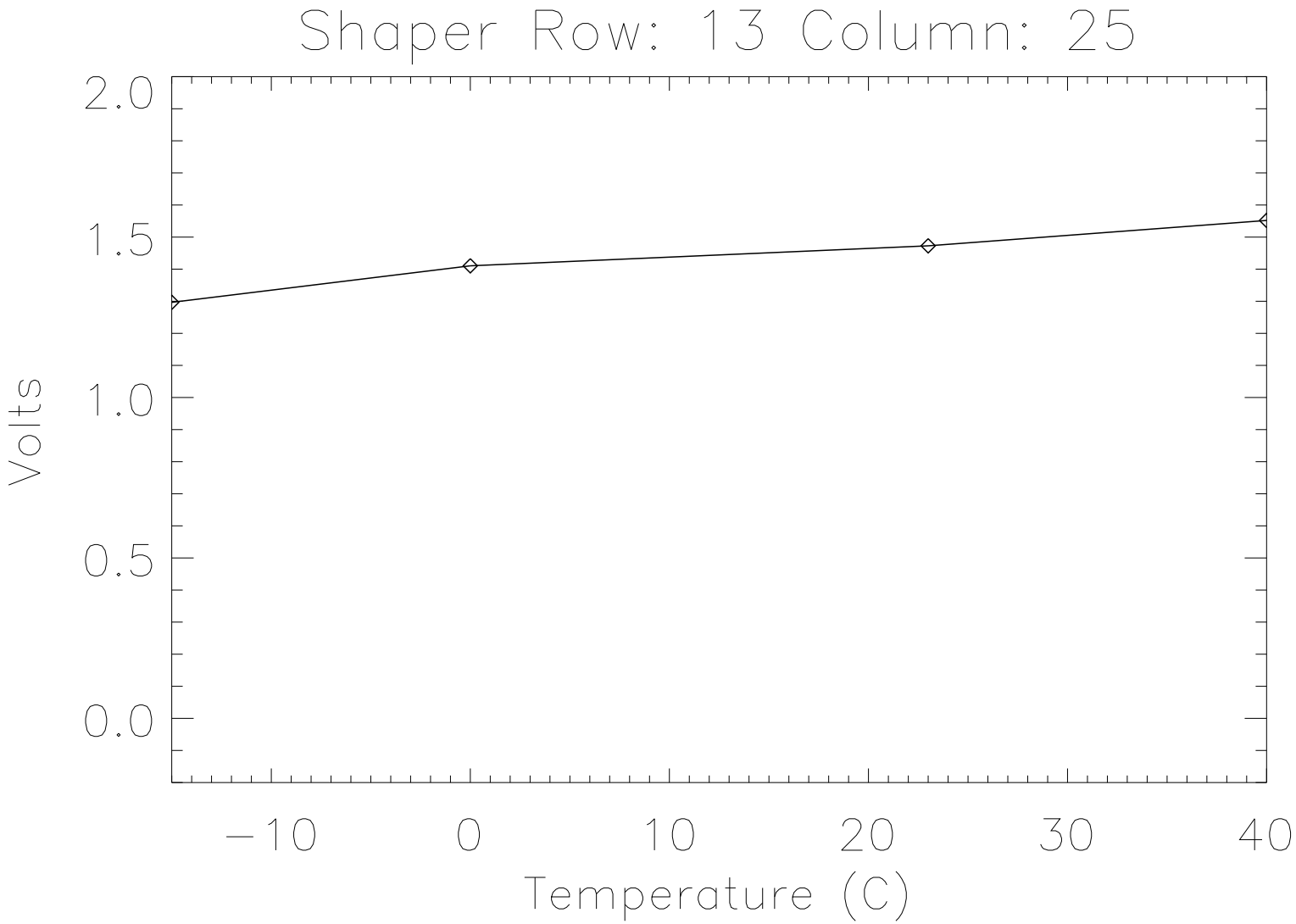
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 25
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1.5
1.0
0.5
0.0
Volts
−10
0
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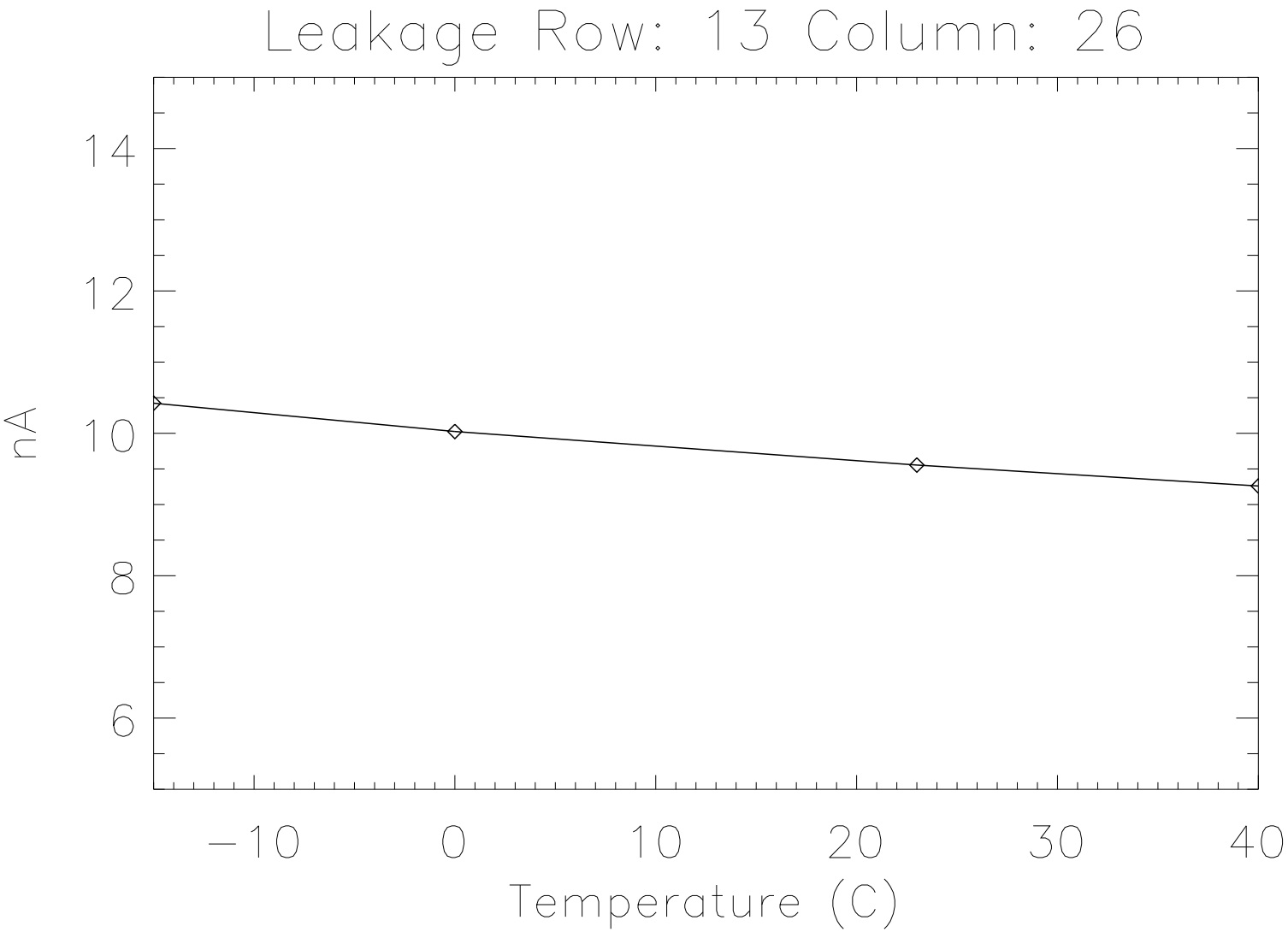
20
30
40
Temperature (C)


Leakage Row: 13 Column: 26
nA
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12
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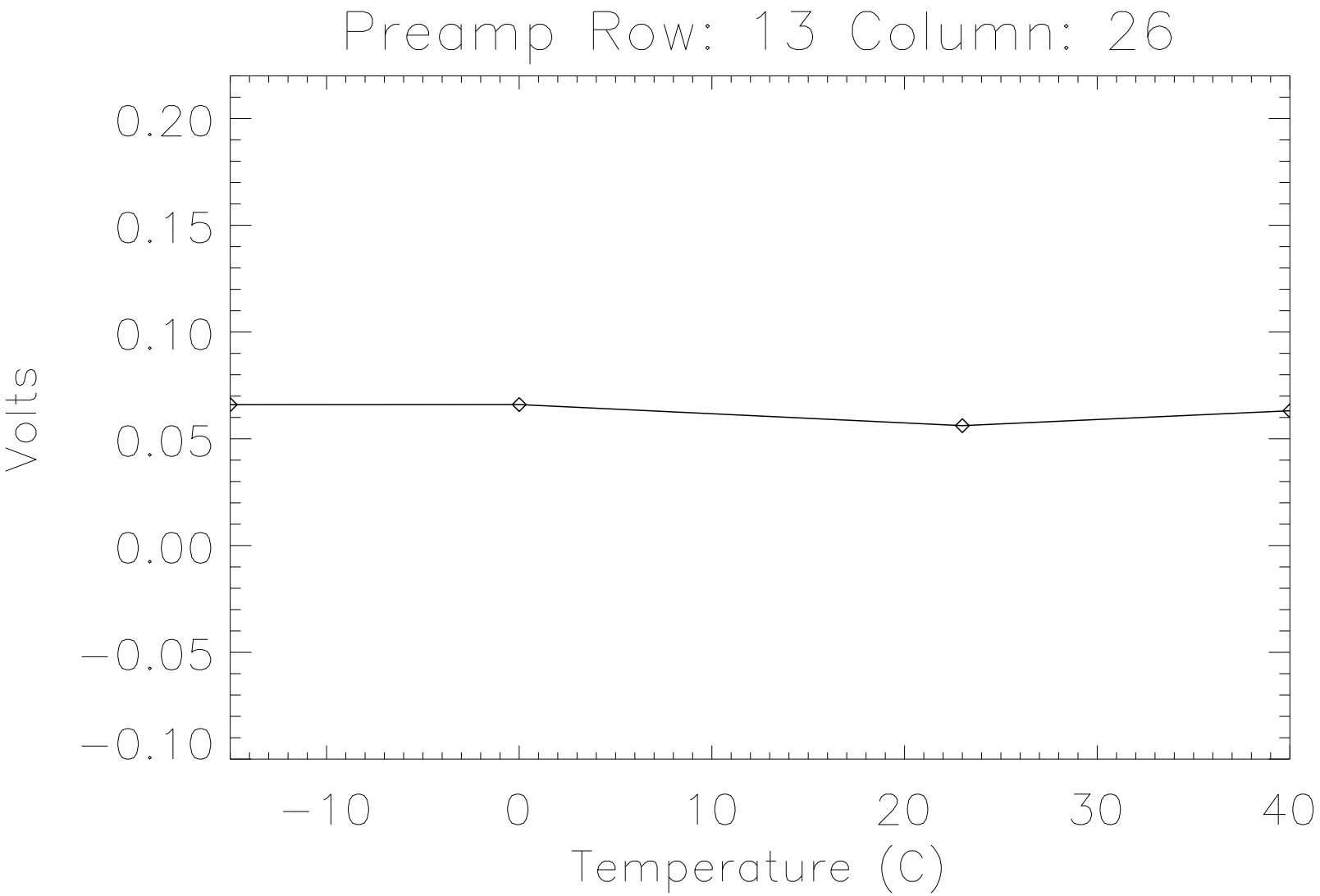
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 26
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0.10
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0.00
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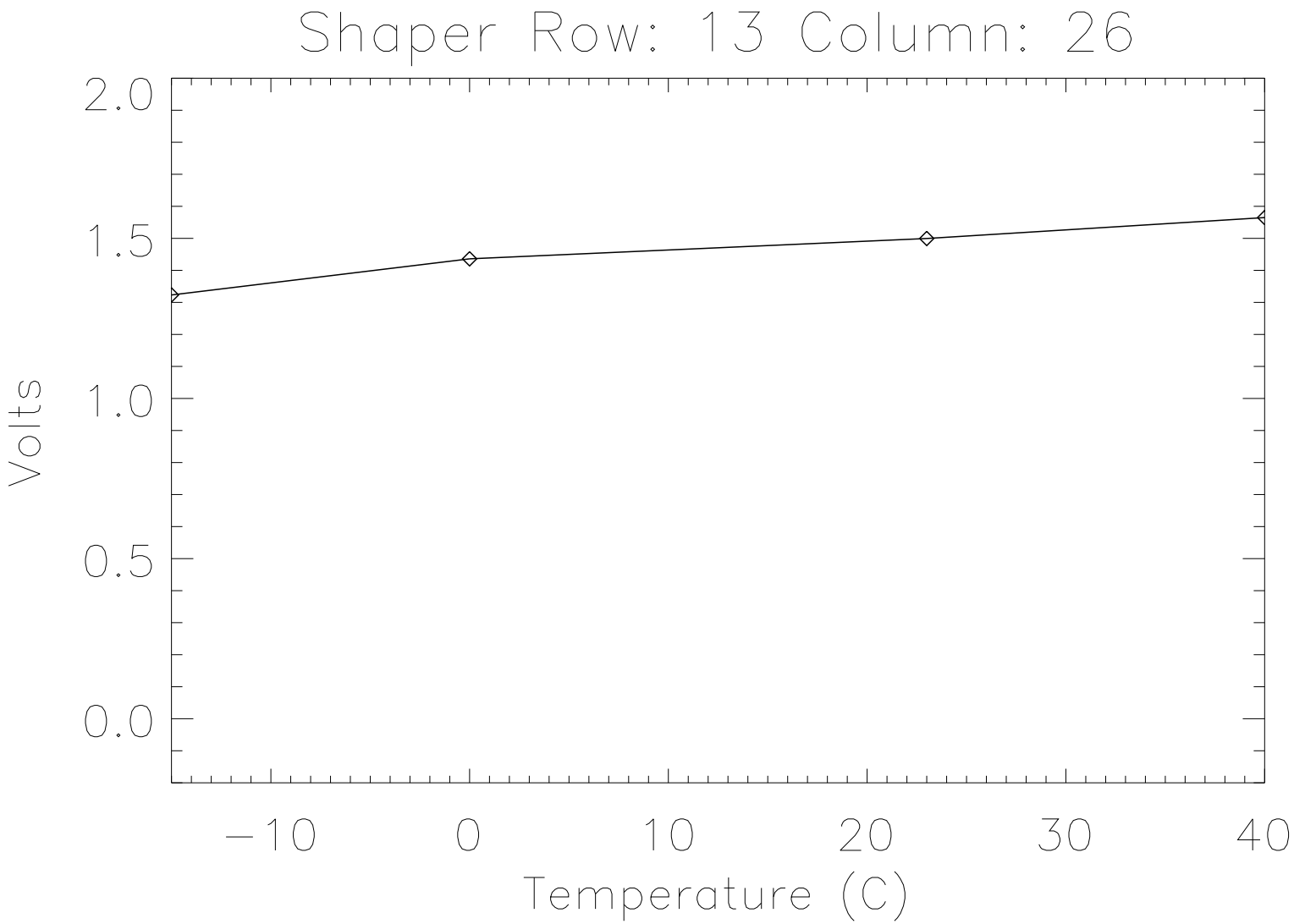
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 26
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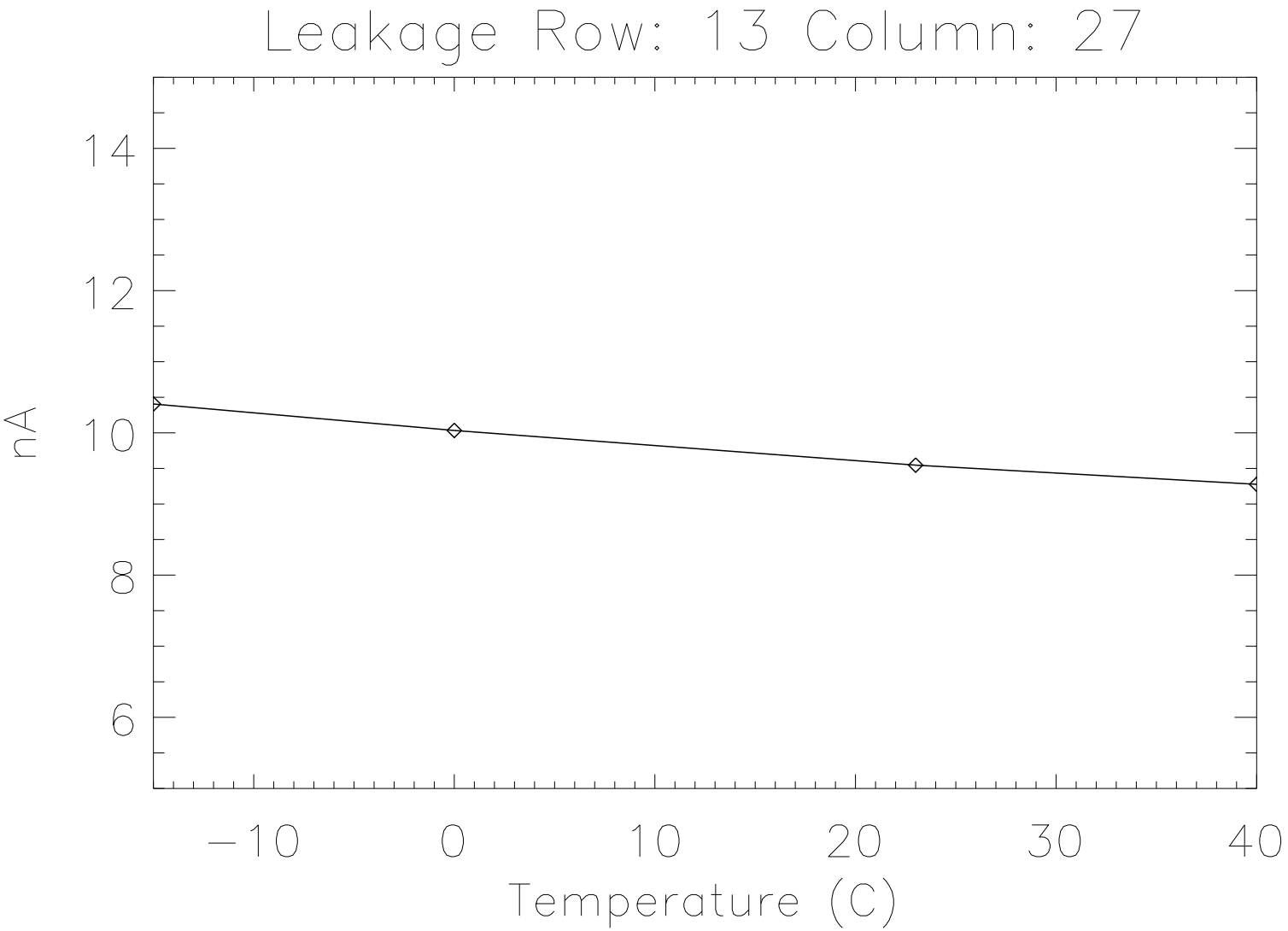
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 13 Column: 27
14
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10
8
6
nA
−10
0
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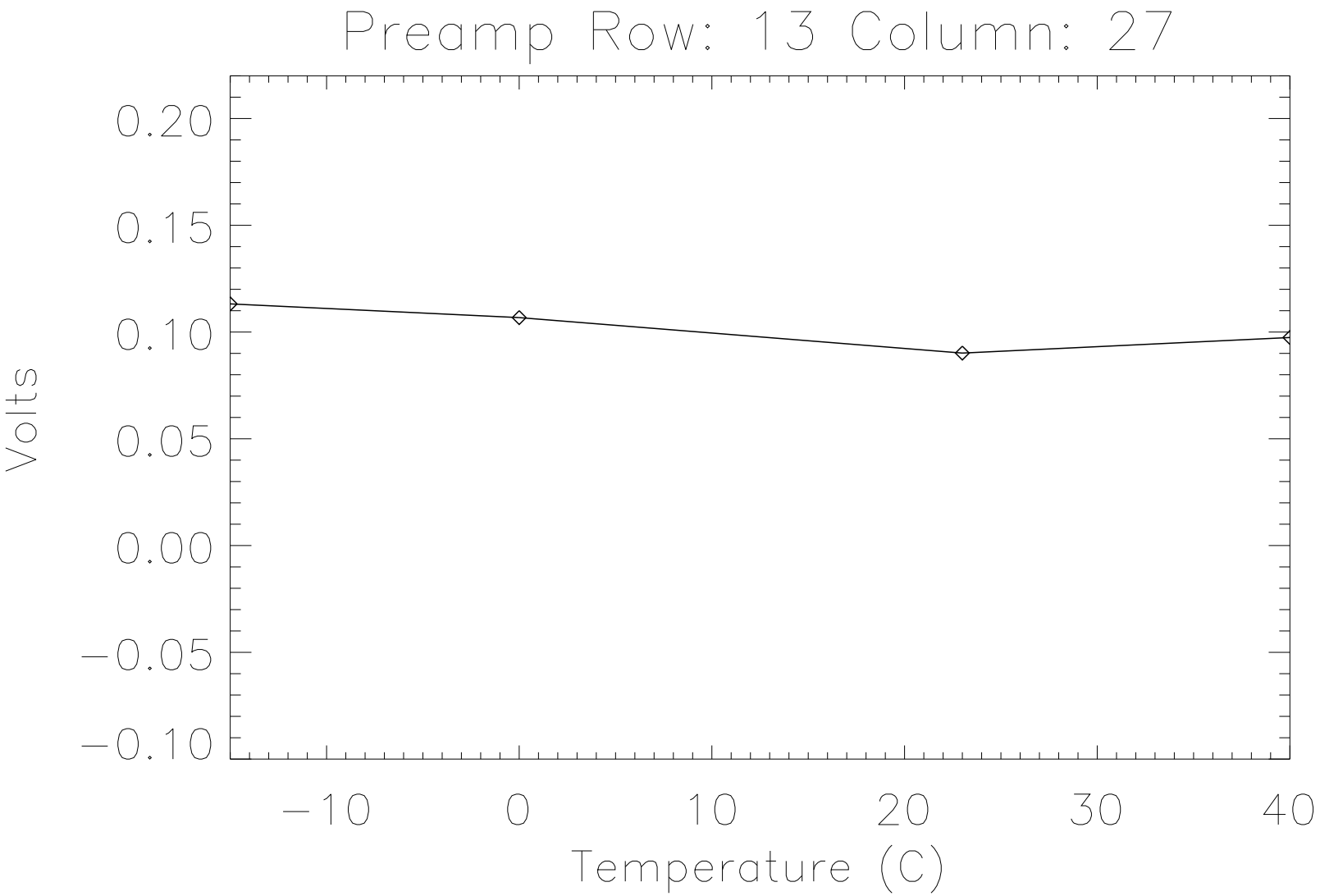
20
30
40
Temperature (C)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Volts
−10
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30
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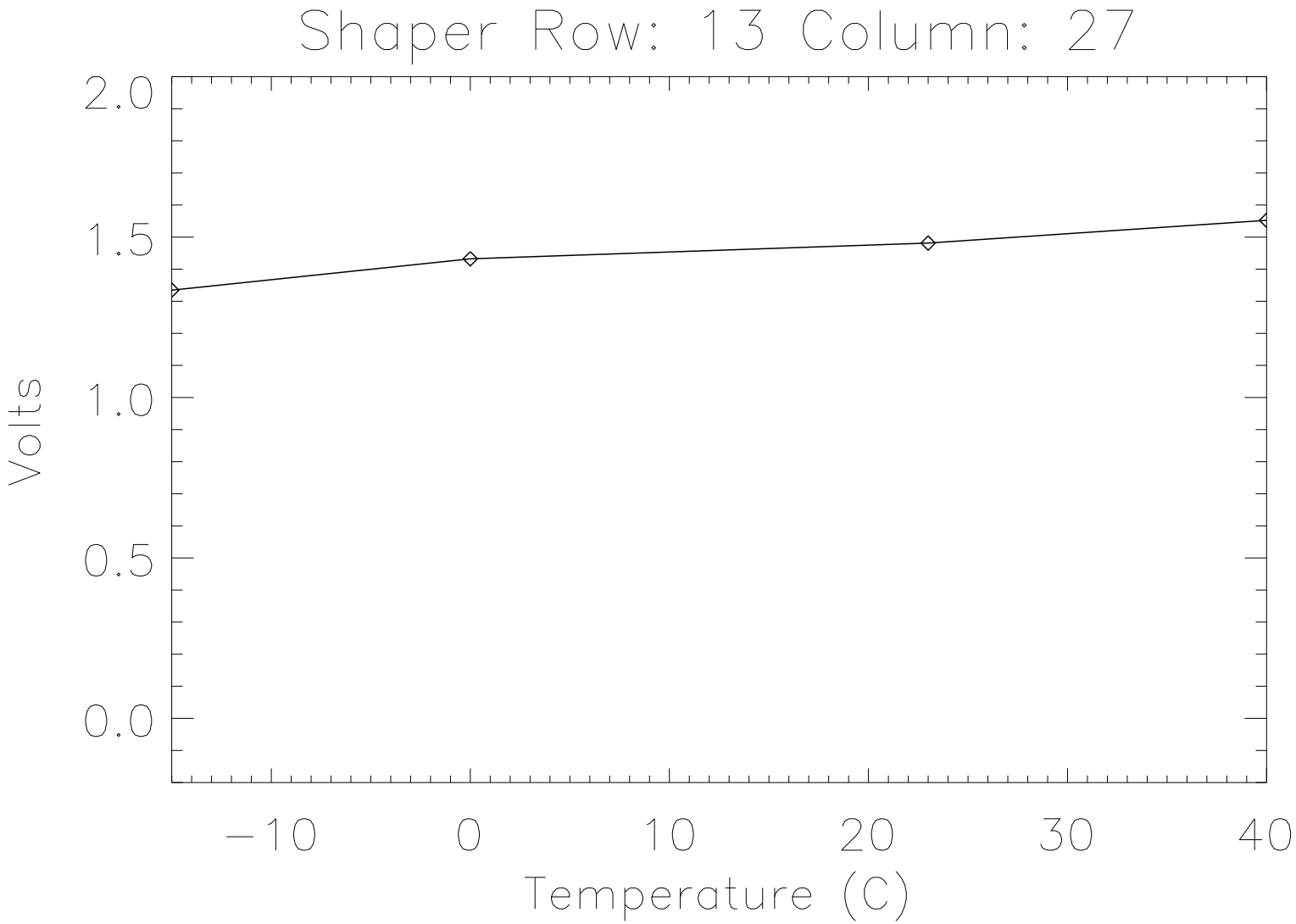
Temperature (C)


Shaper Row: 13 Column: 27
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1.0
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Volts
−10
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30
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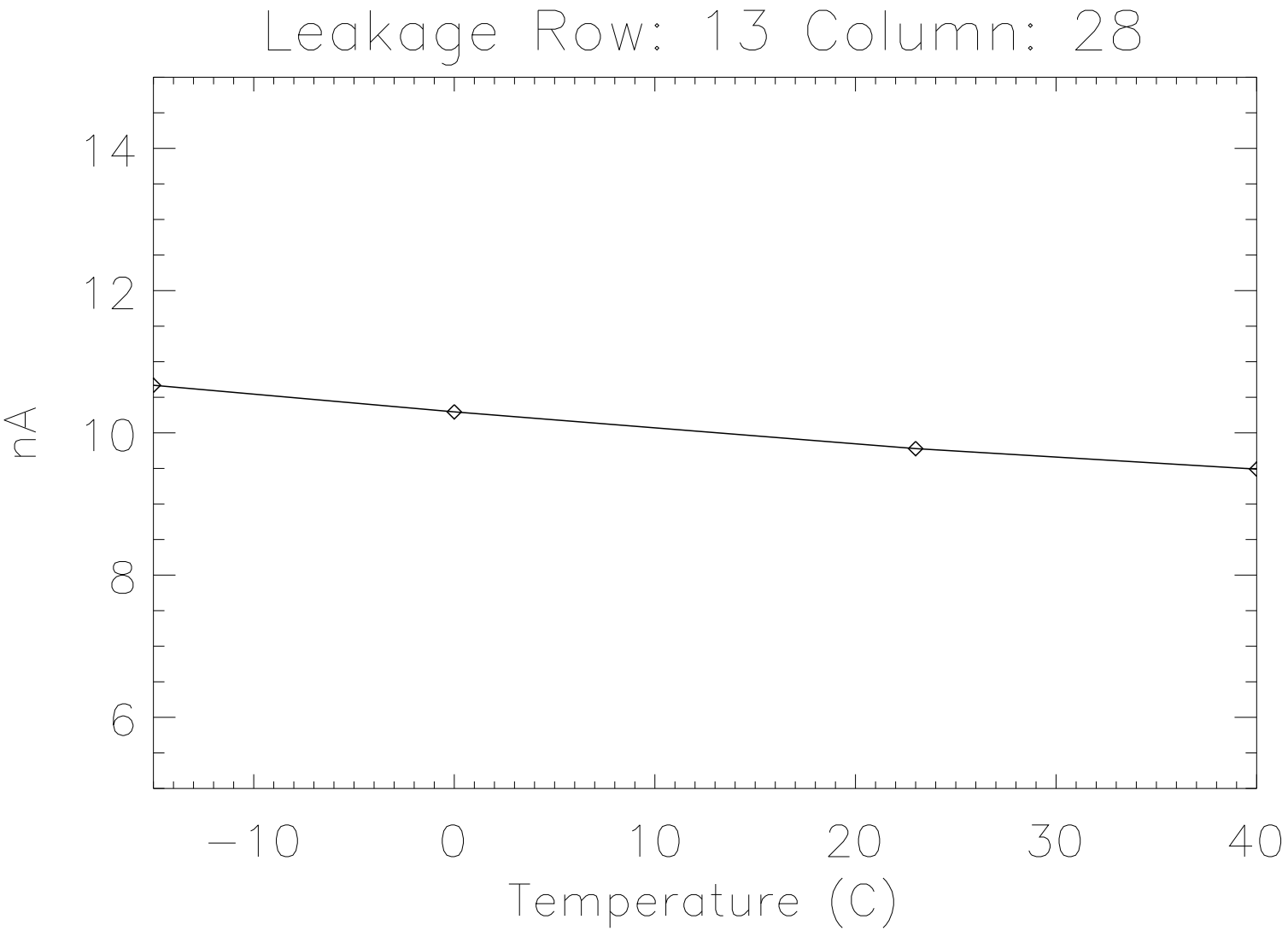
Temperature (C)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8
6
nA
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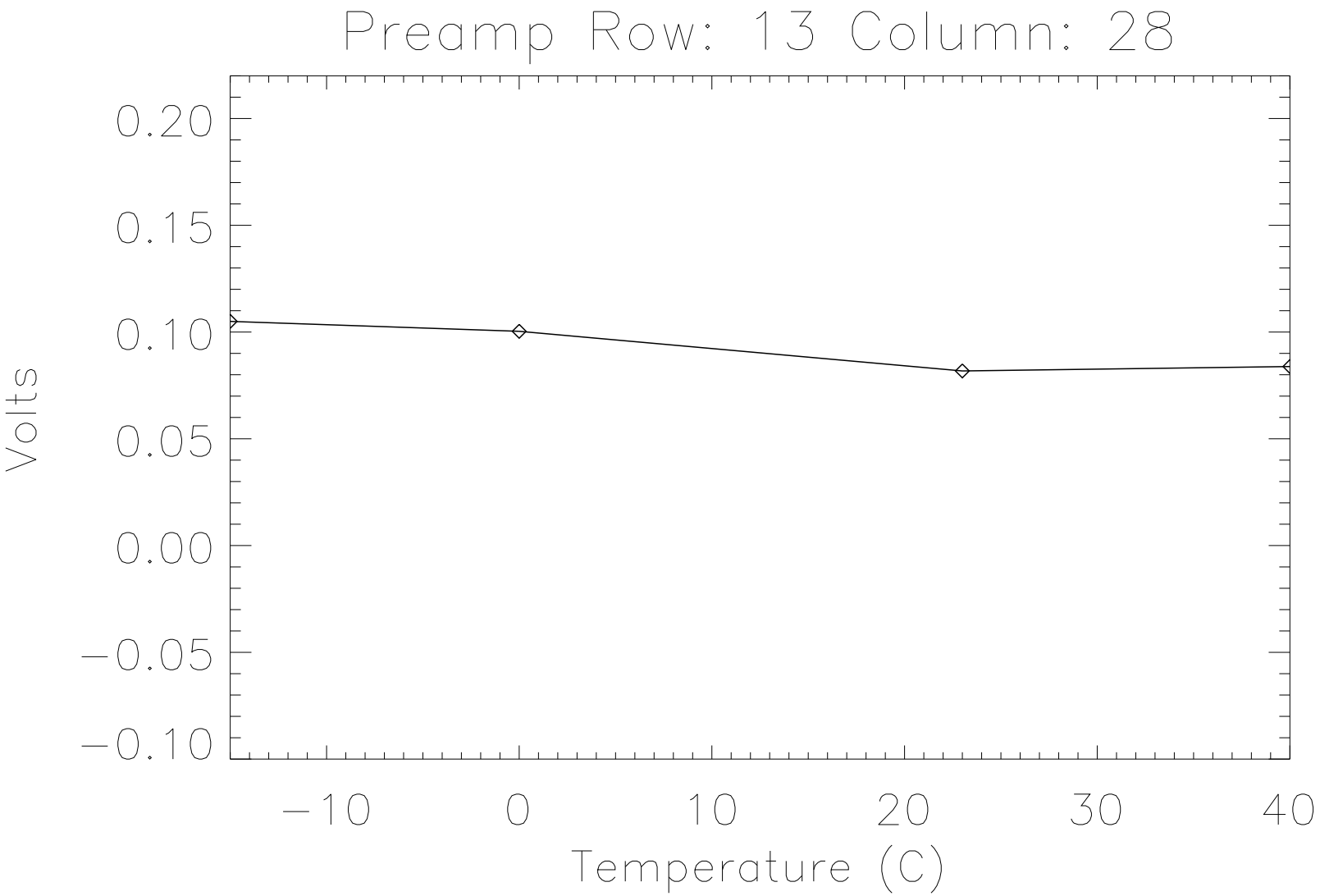
10
20
30
40
Temperature (C)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Volts
−10
0
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30
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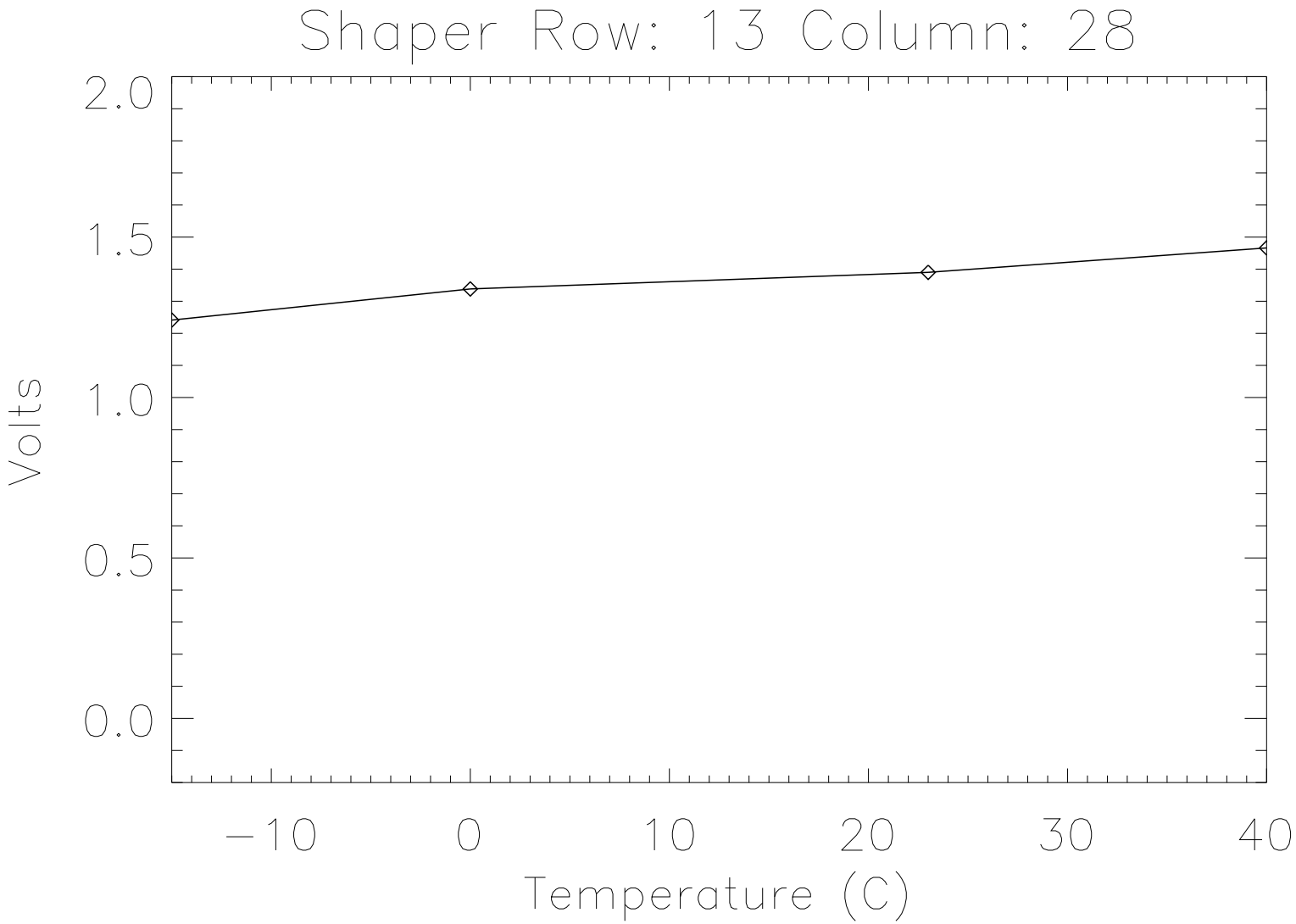
Temperature (C)


Shaper Row: 13 Column: 28
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1.0
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Volts
−10
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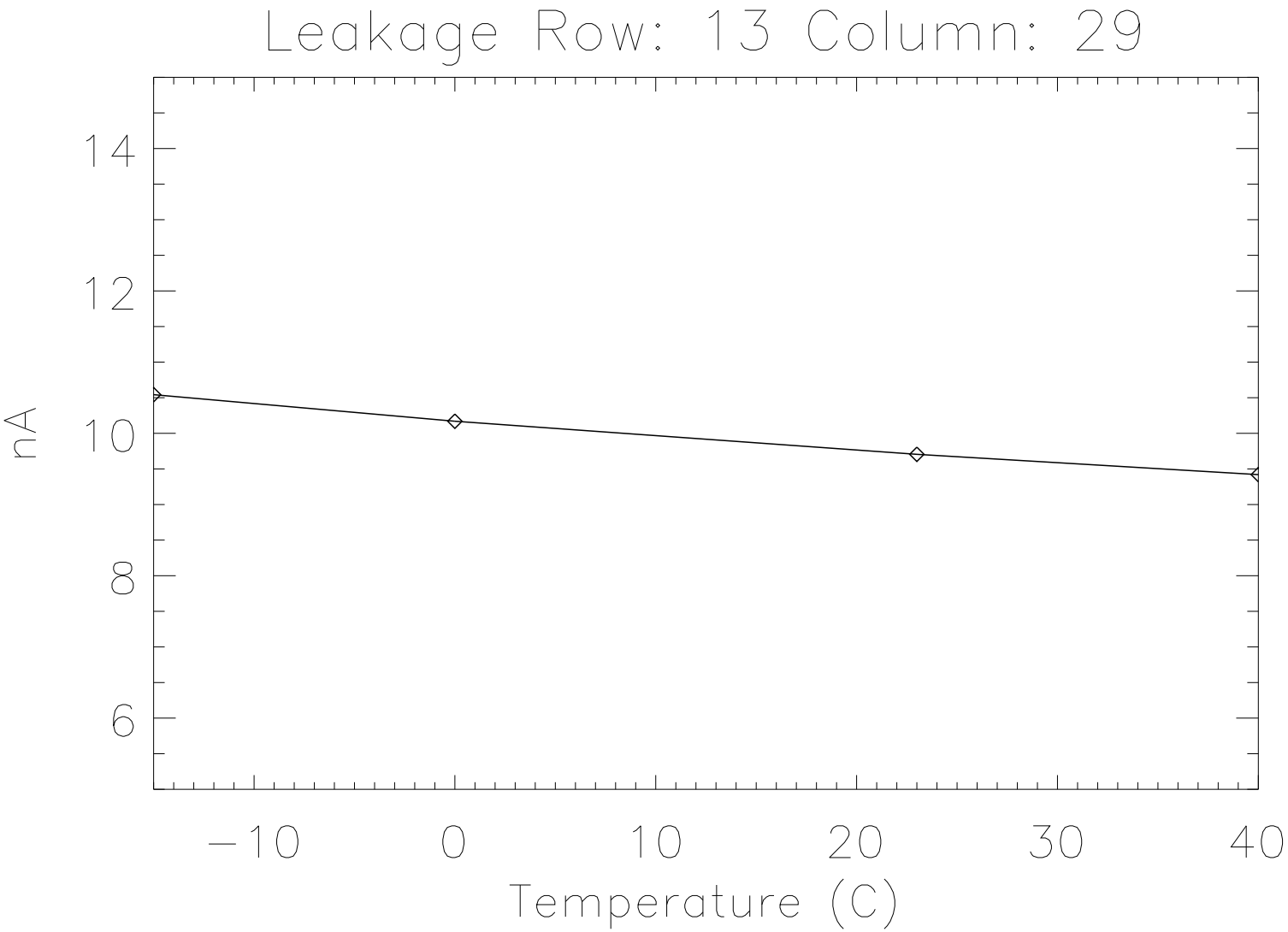
30
40
Temperature (C)


Leakage Row: 13 Column: 29
nA
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12
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8
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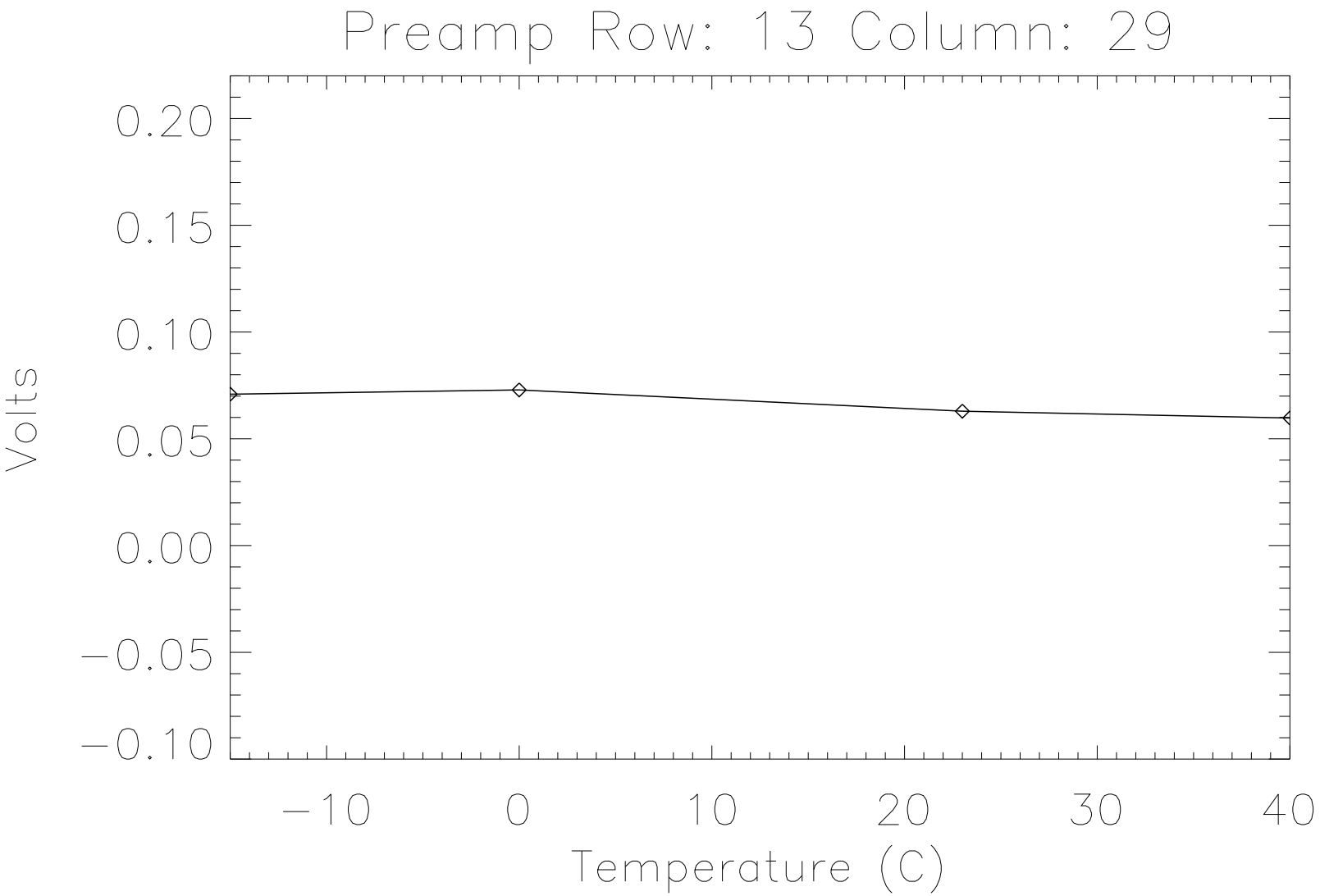
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 29
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0.10
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0.00
−0.05
−0.10
Volts
−10
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30
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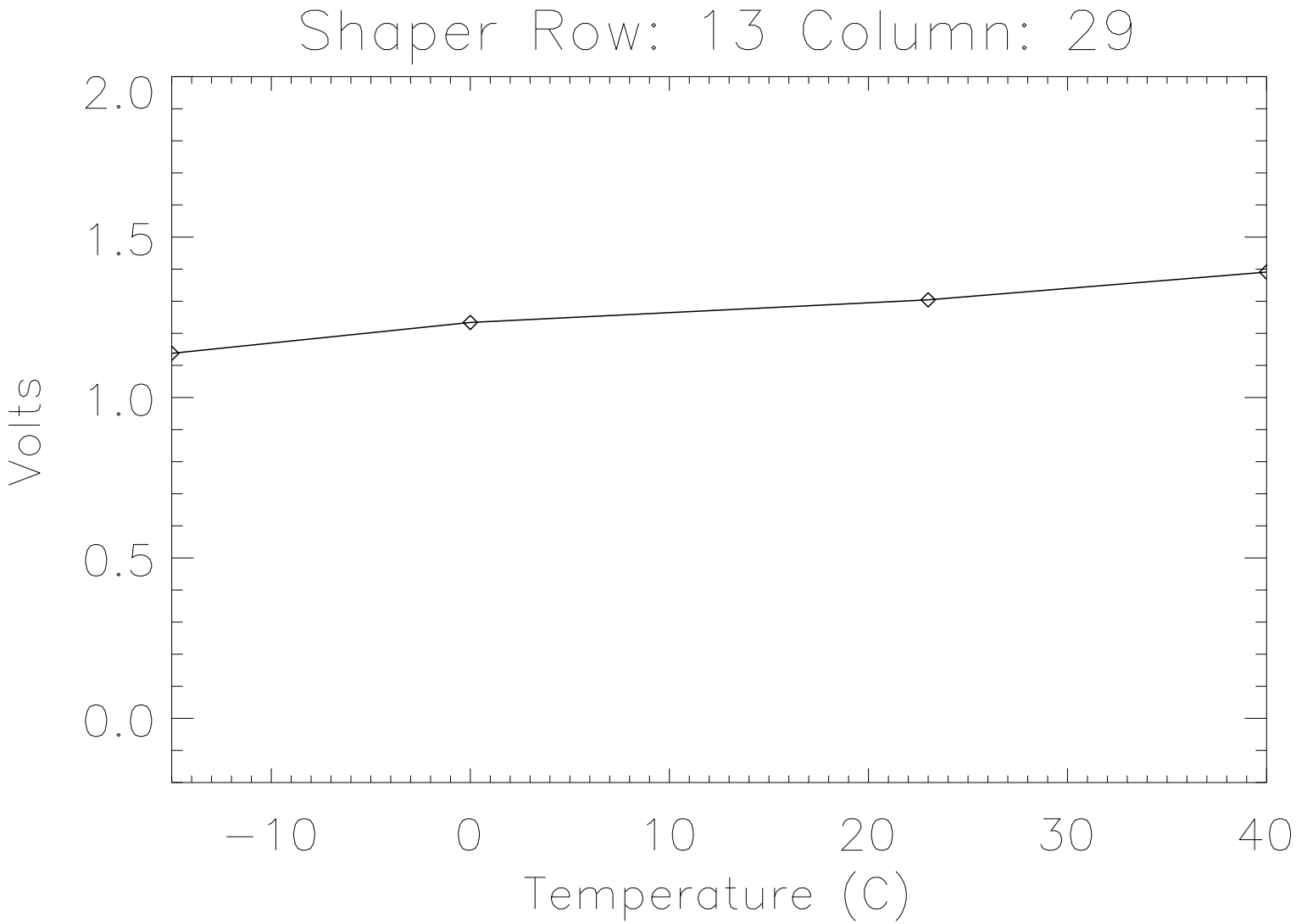
Temperature (C)


Shaper Row: 13 Column: 29
2.0
1.5
1.0
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0.0
Volts
−10
0
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30
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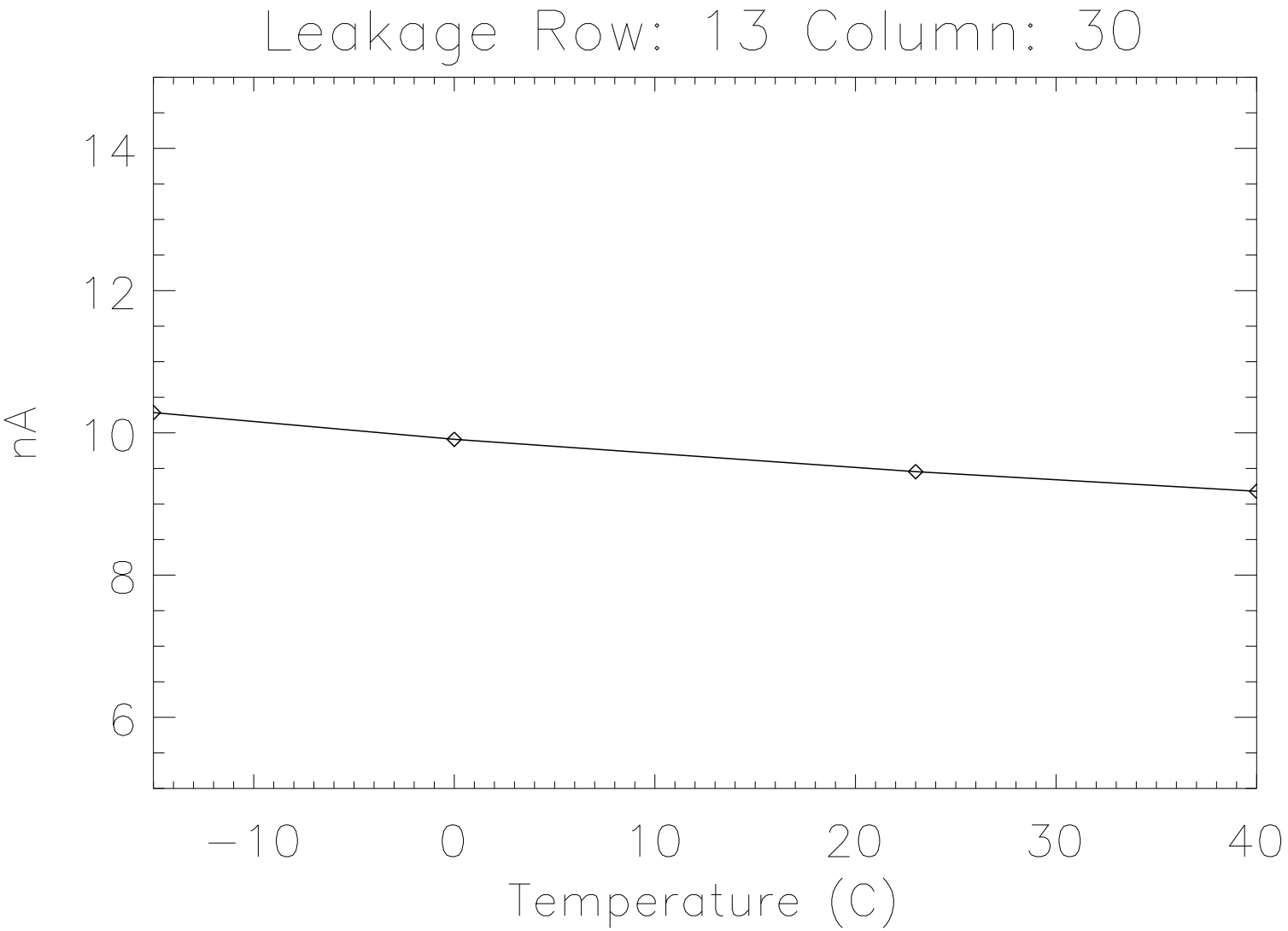
Temperature (C)


Leakage Row: 13 Column: 30
nA
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8
6
−10
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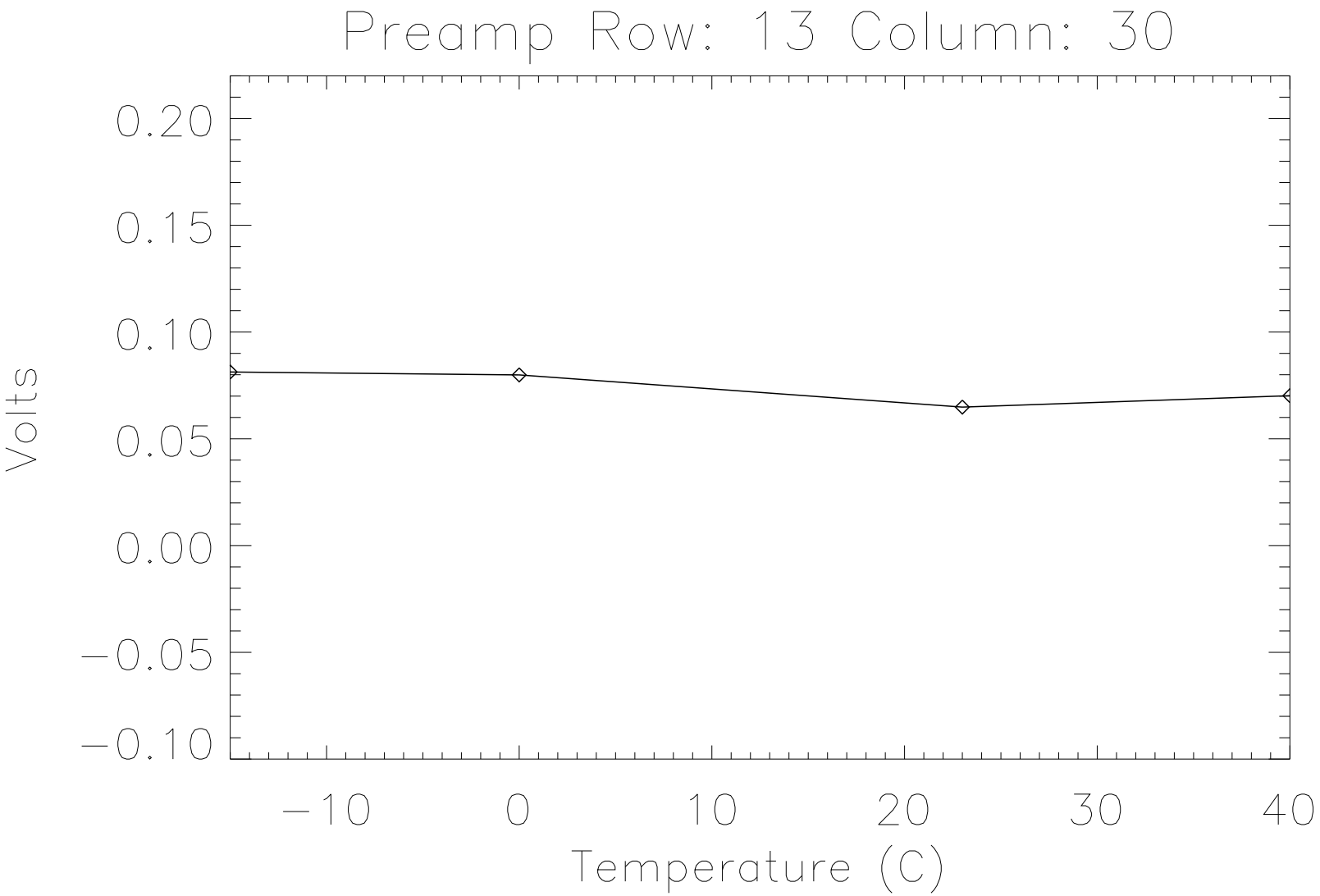
20
30
40
Temperature (C)


Preamp Row: 13 Column: 30
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0.10
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Volts
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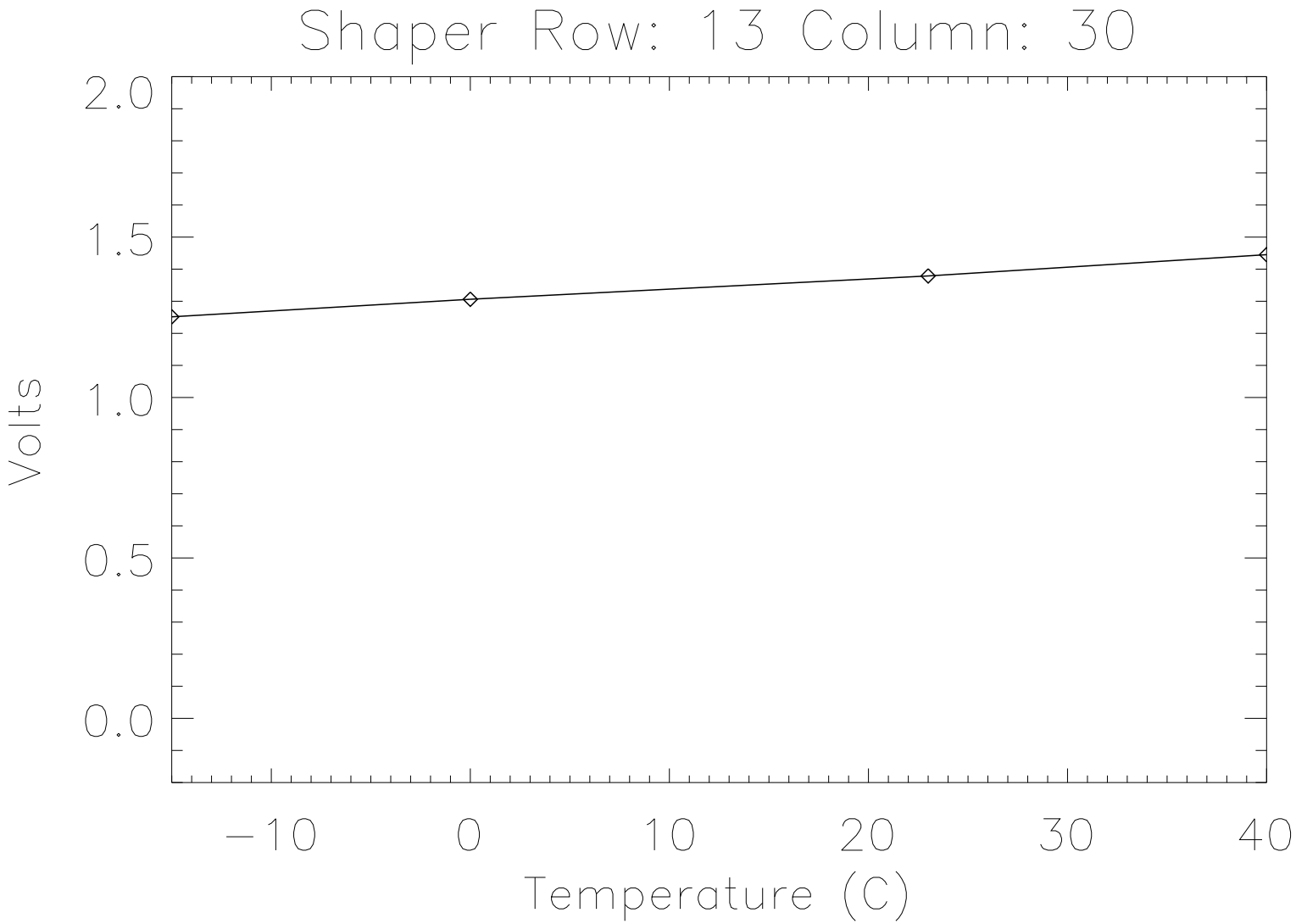
30
40
Temperature (C)


Shaper Row: 13 Column: 30
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1.5
1.0
0.5
0.0
Volts
−10
0
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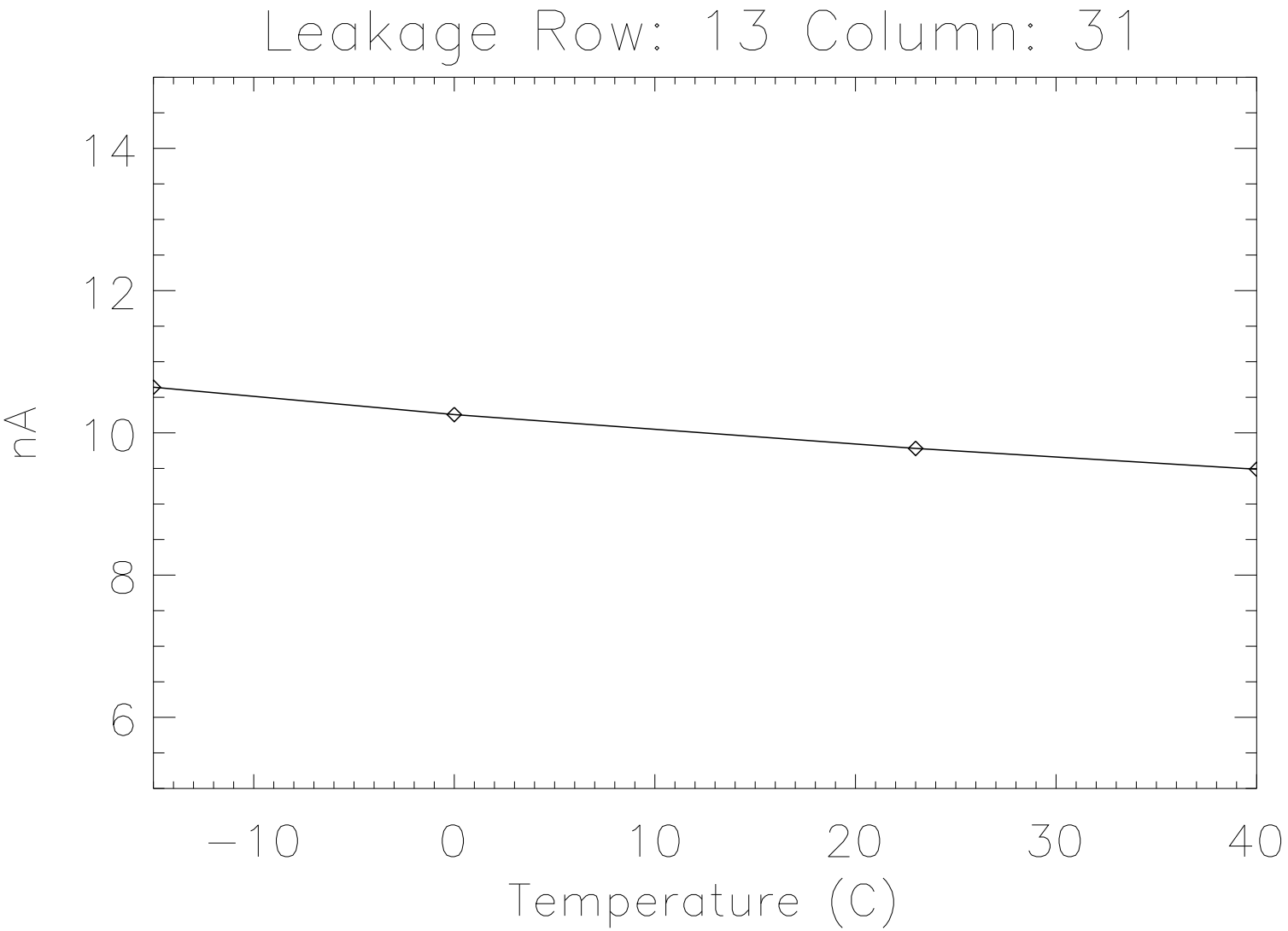
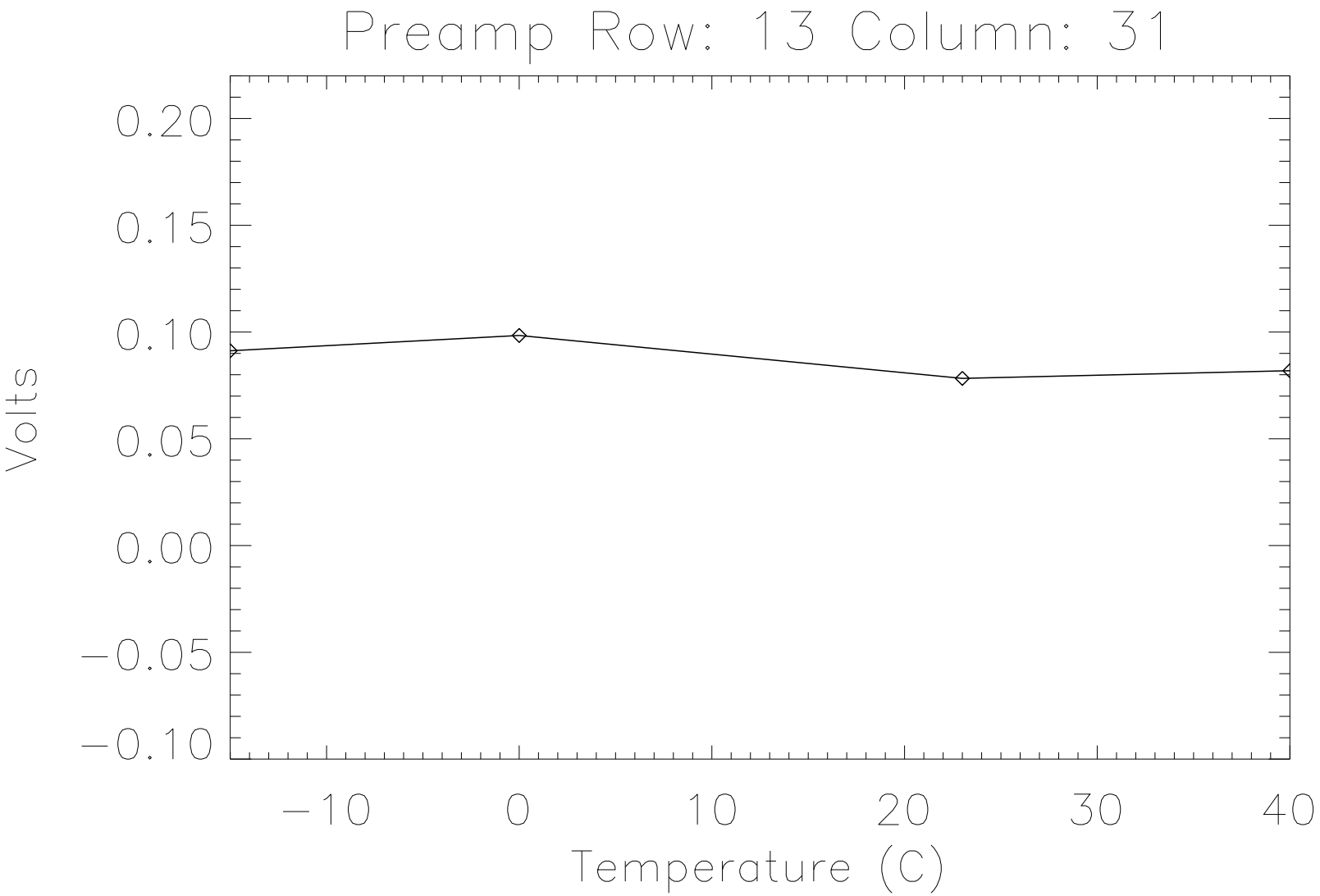
20
30
40
Temperature (C)


Leakage Row: 13 Column: 31
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 13 Column: 31
0.20
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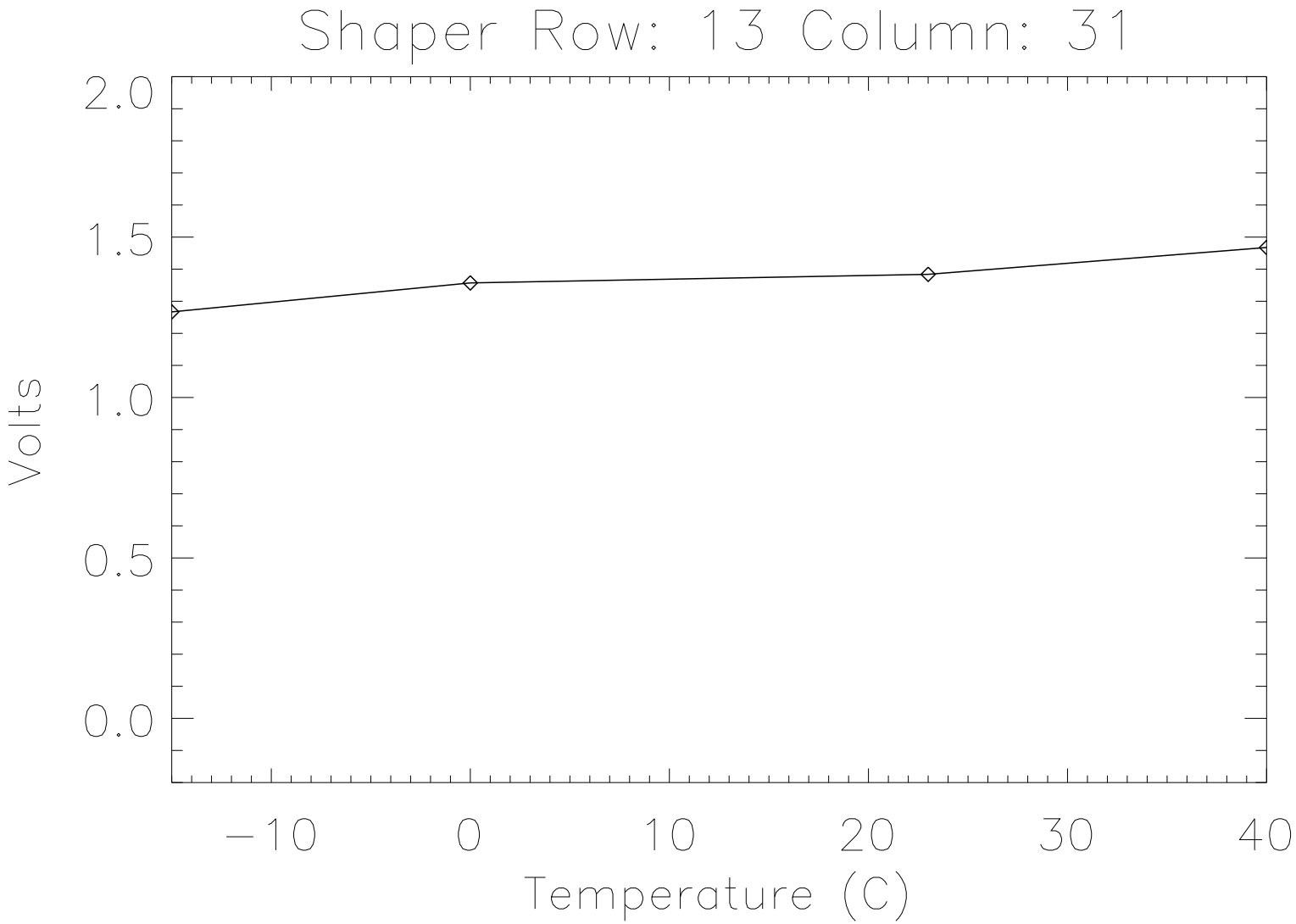
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 13 Column: 31
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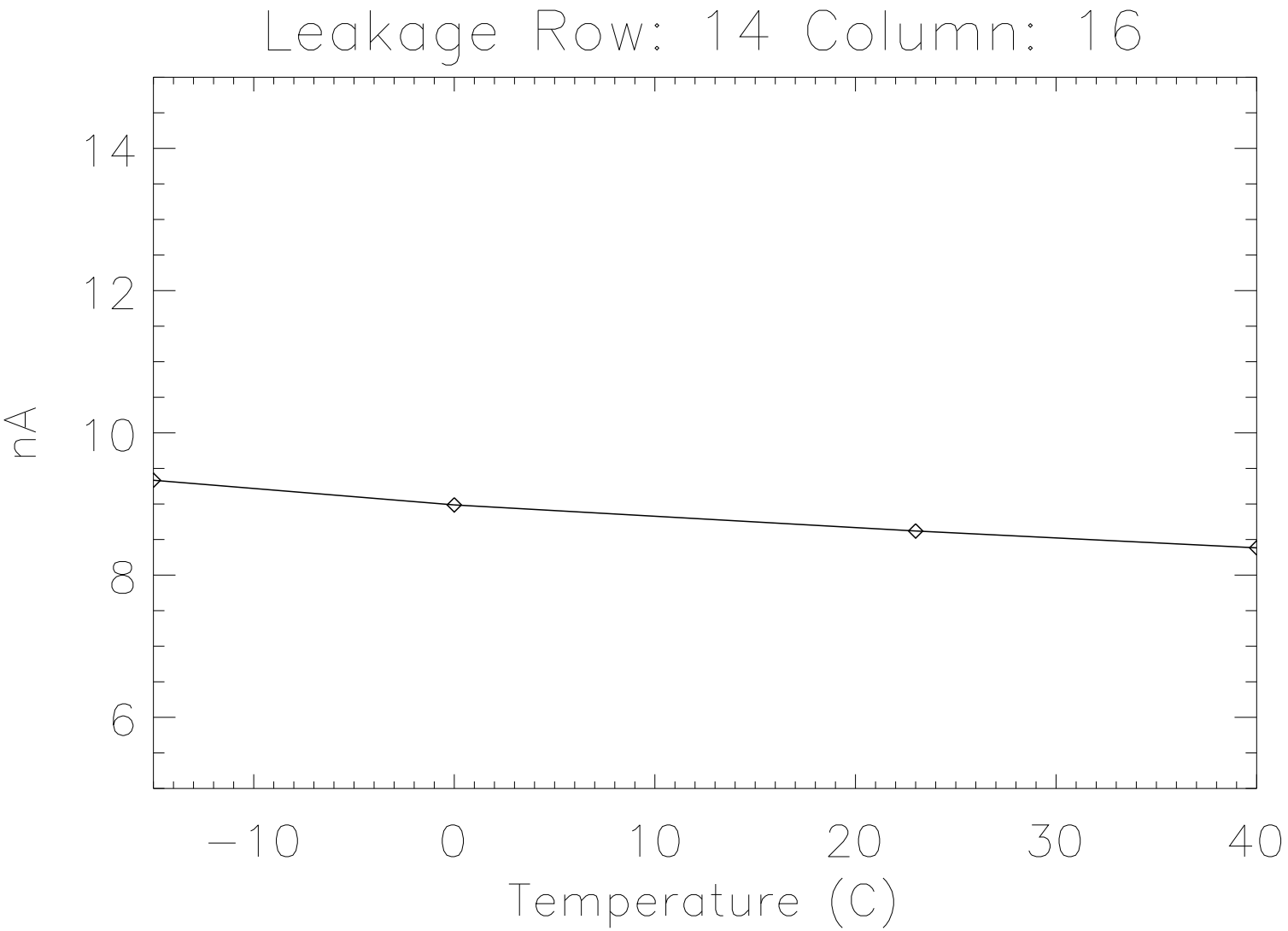
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 14 Column: 16
14
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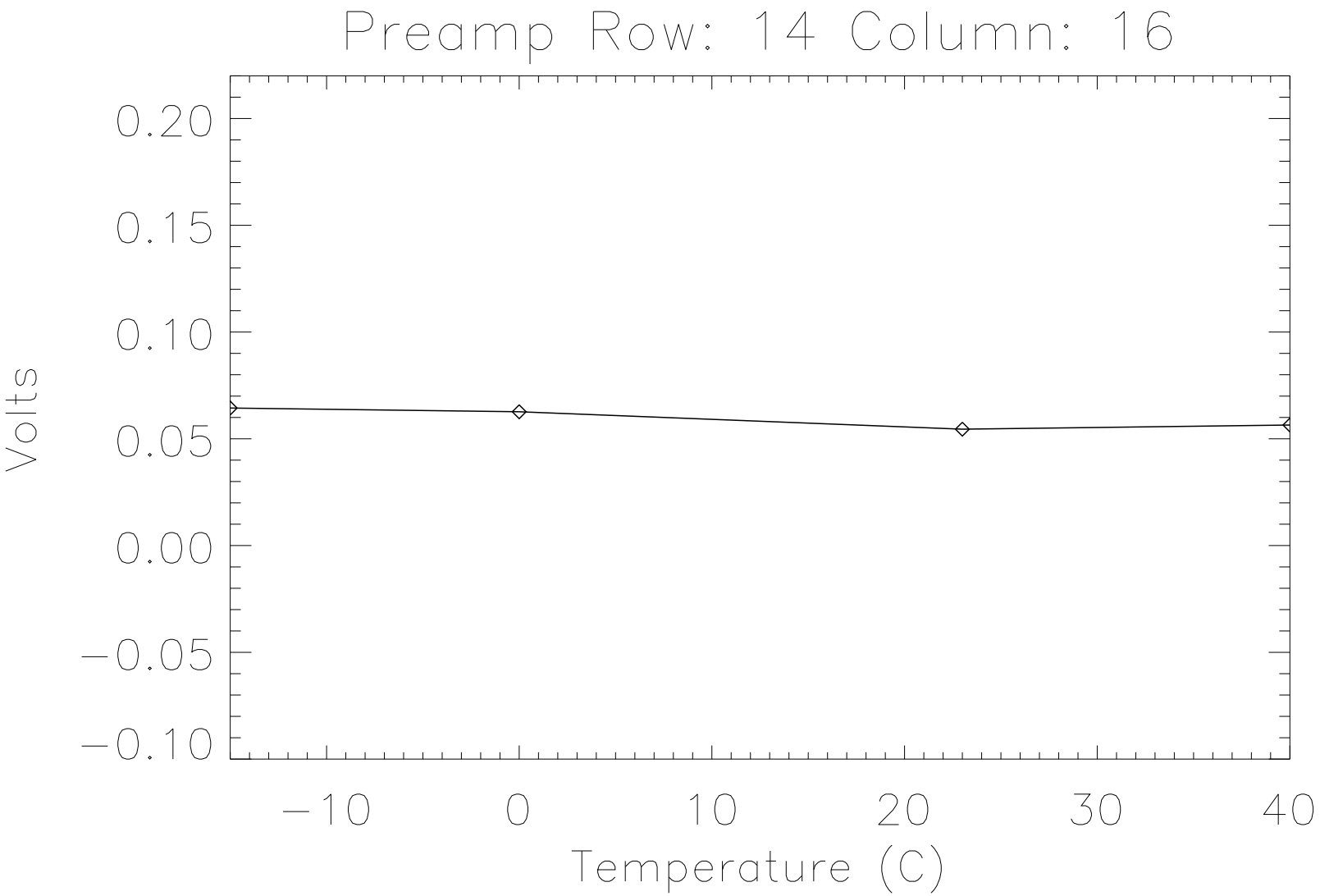
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 16
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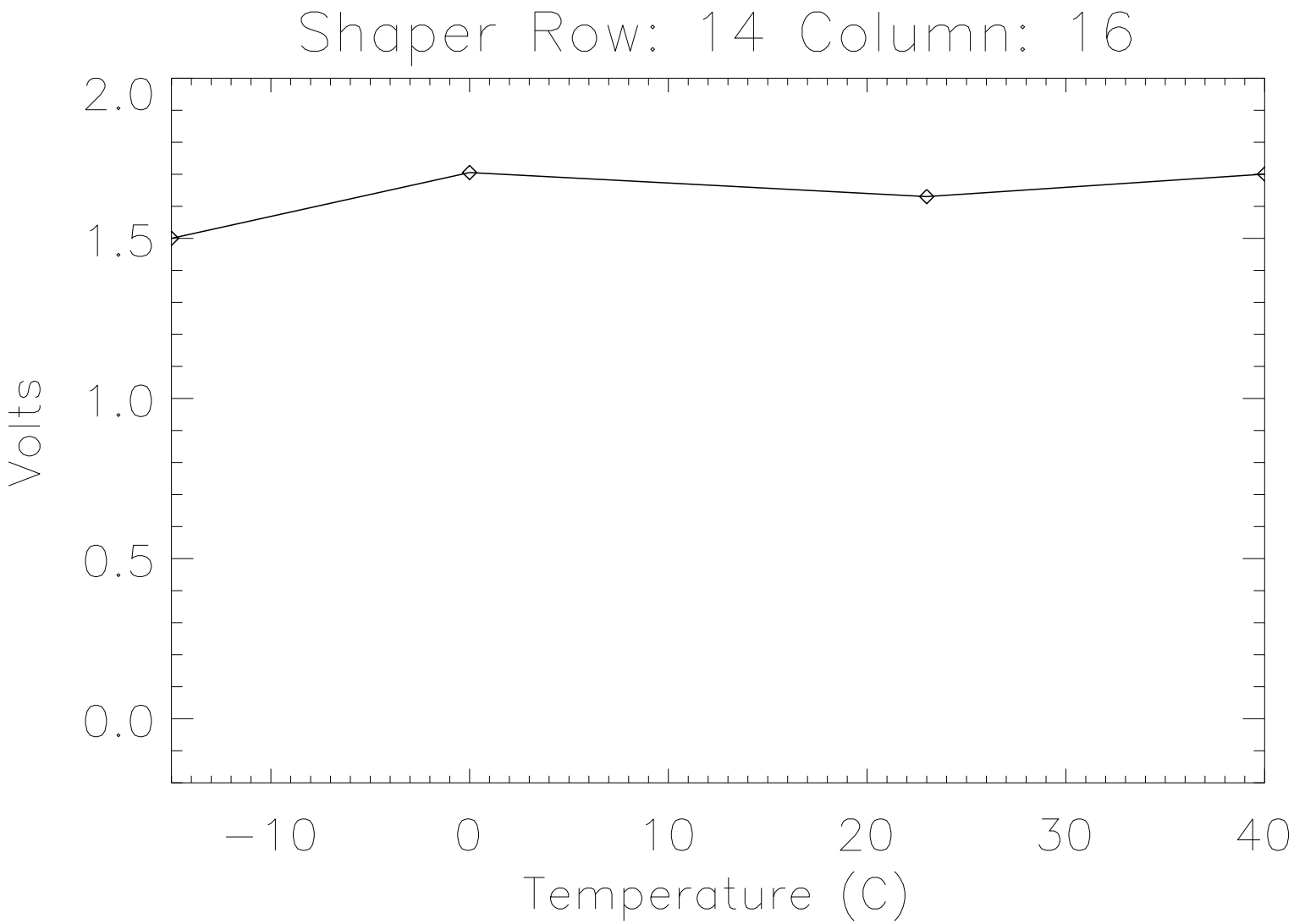
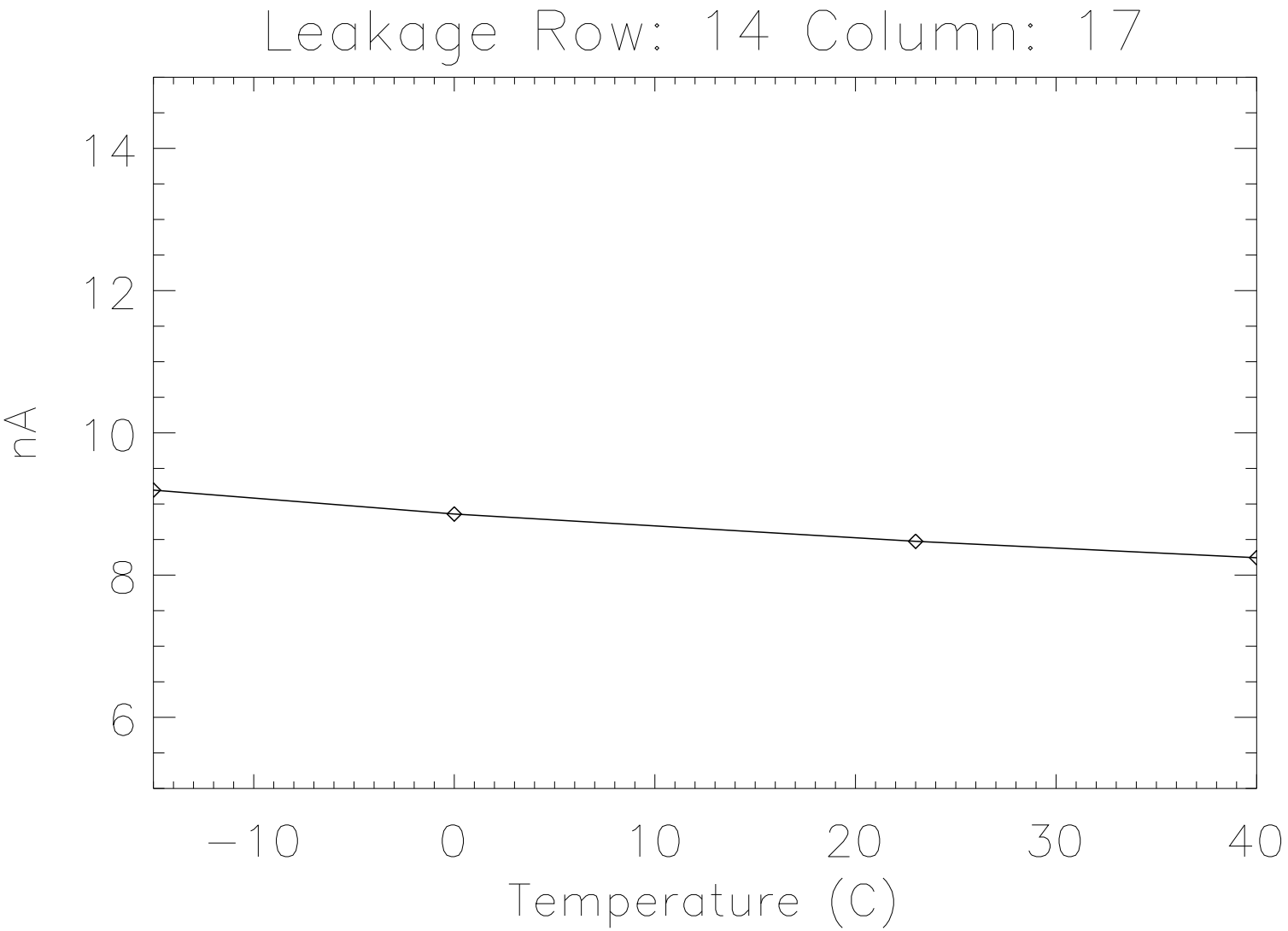
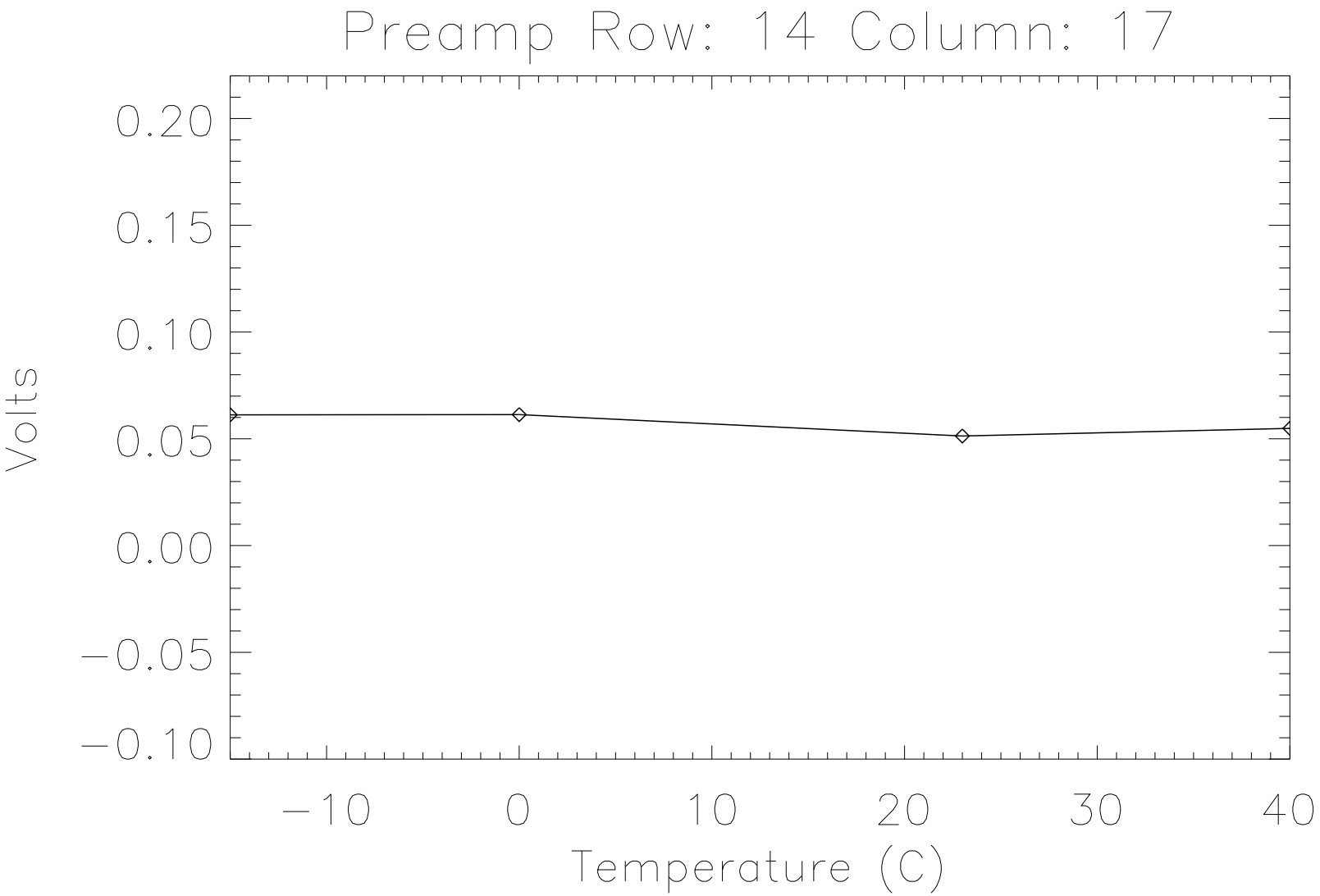
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 14 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 17
0.20
0.15
0.10
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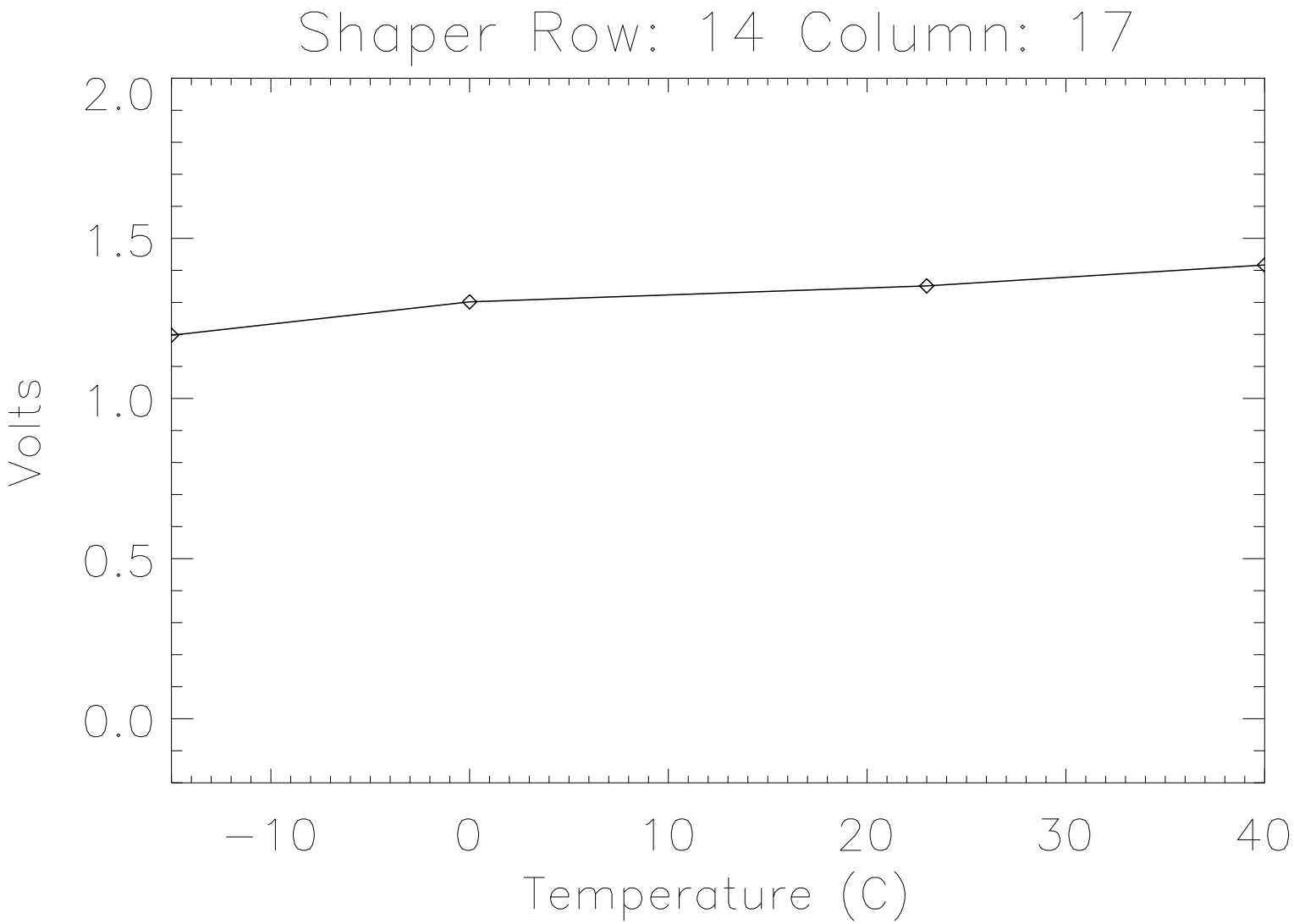
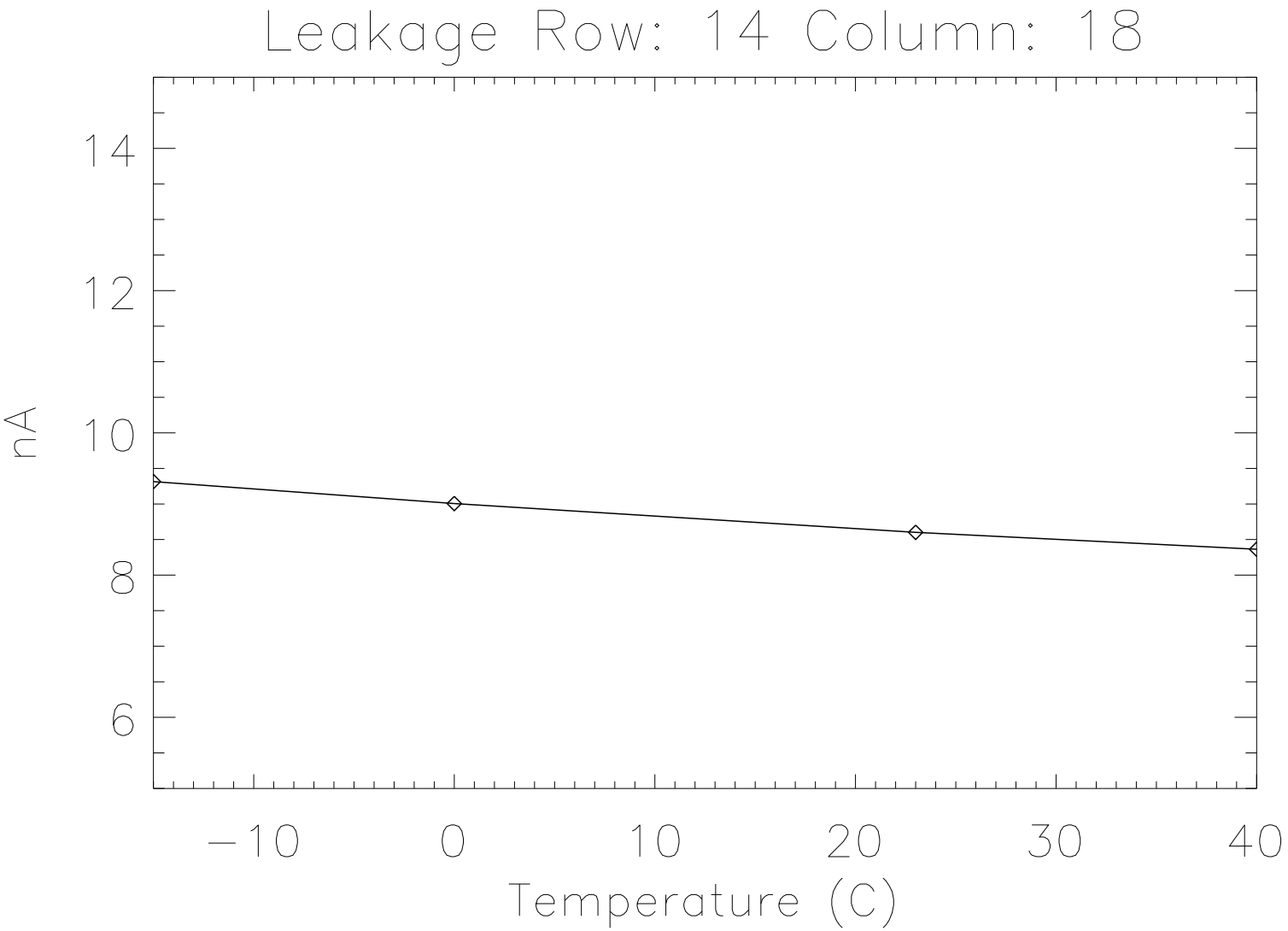
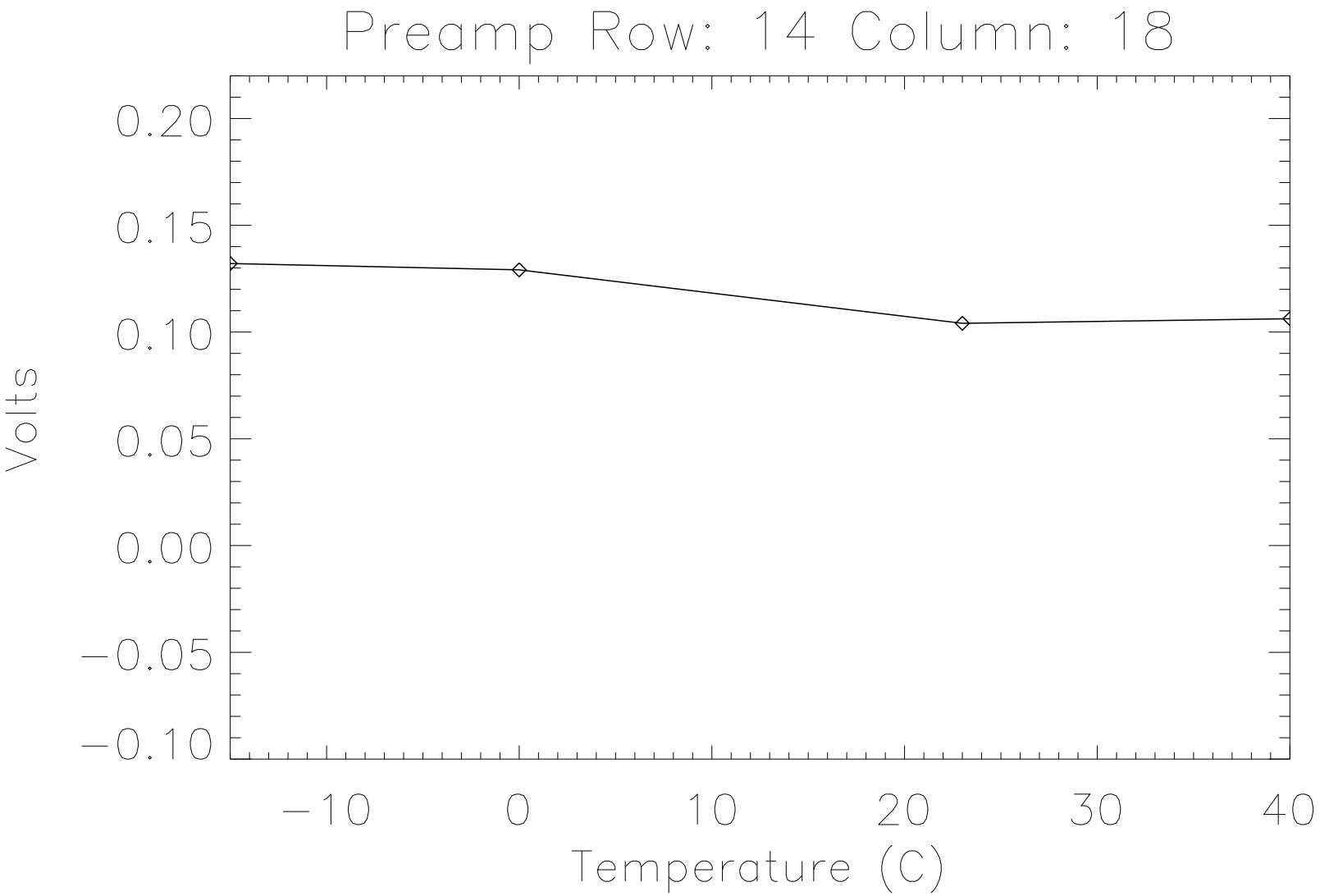
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 14 Column: 18
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 18
0.20
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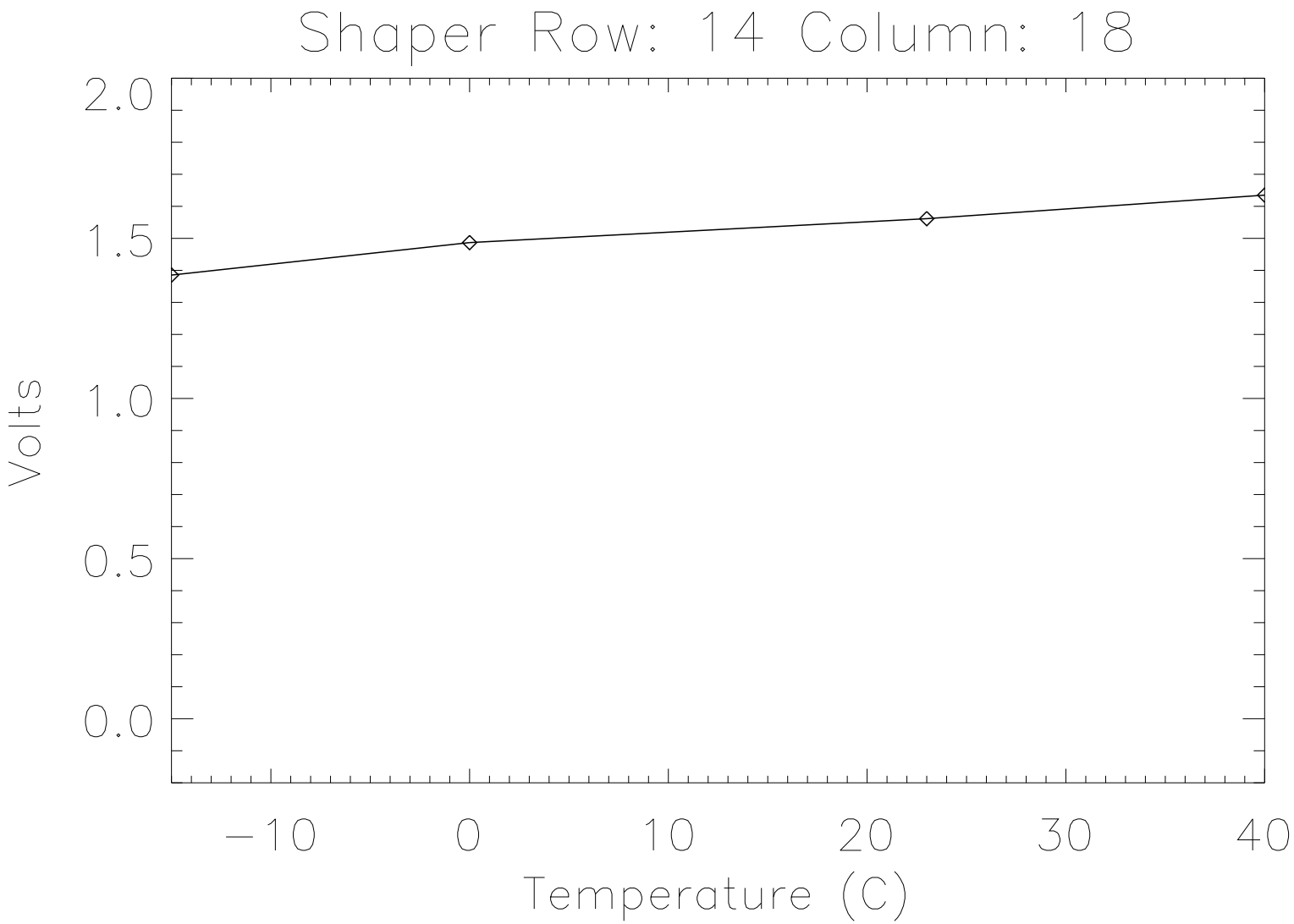
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
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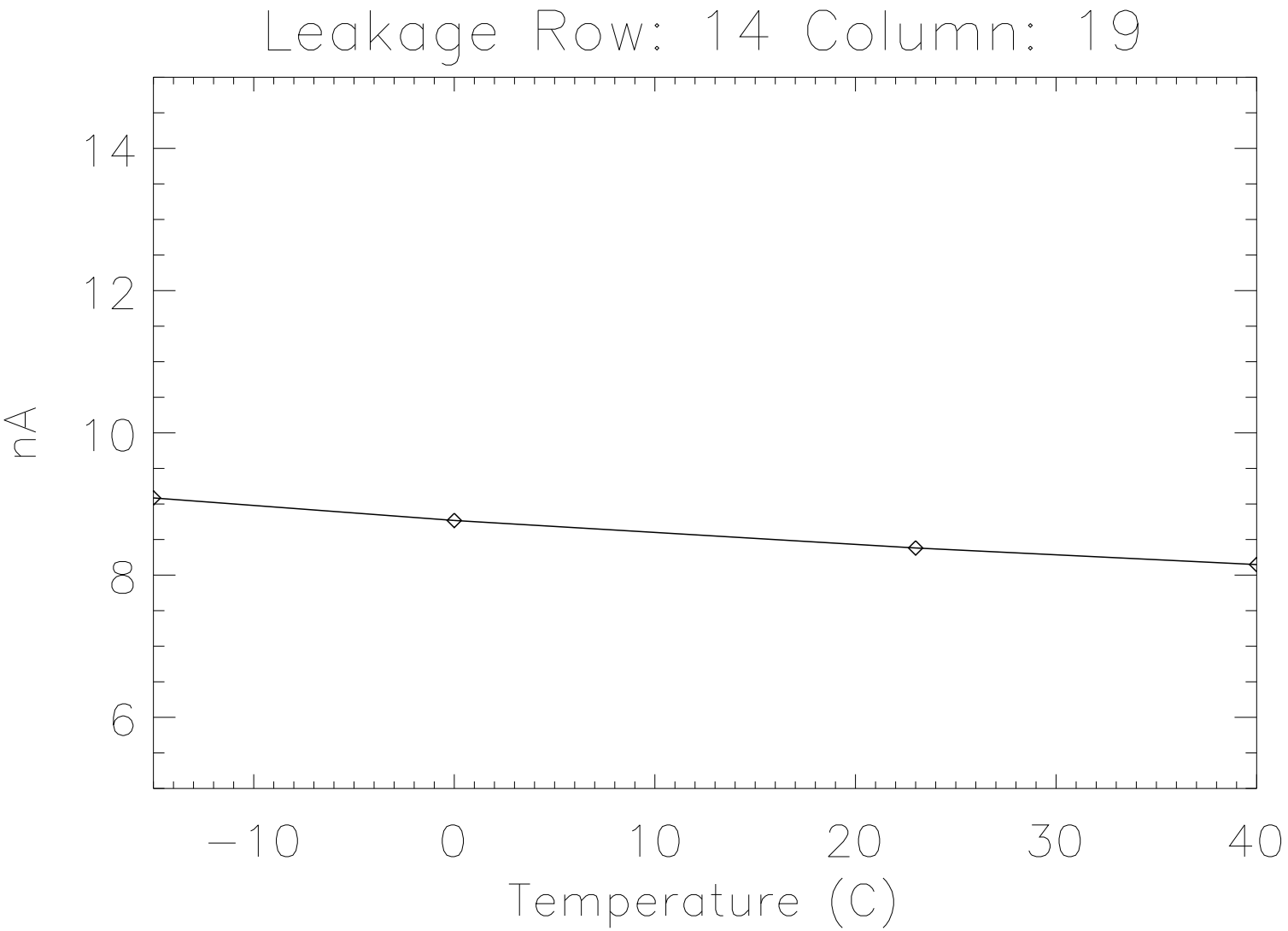
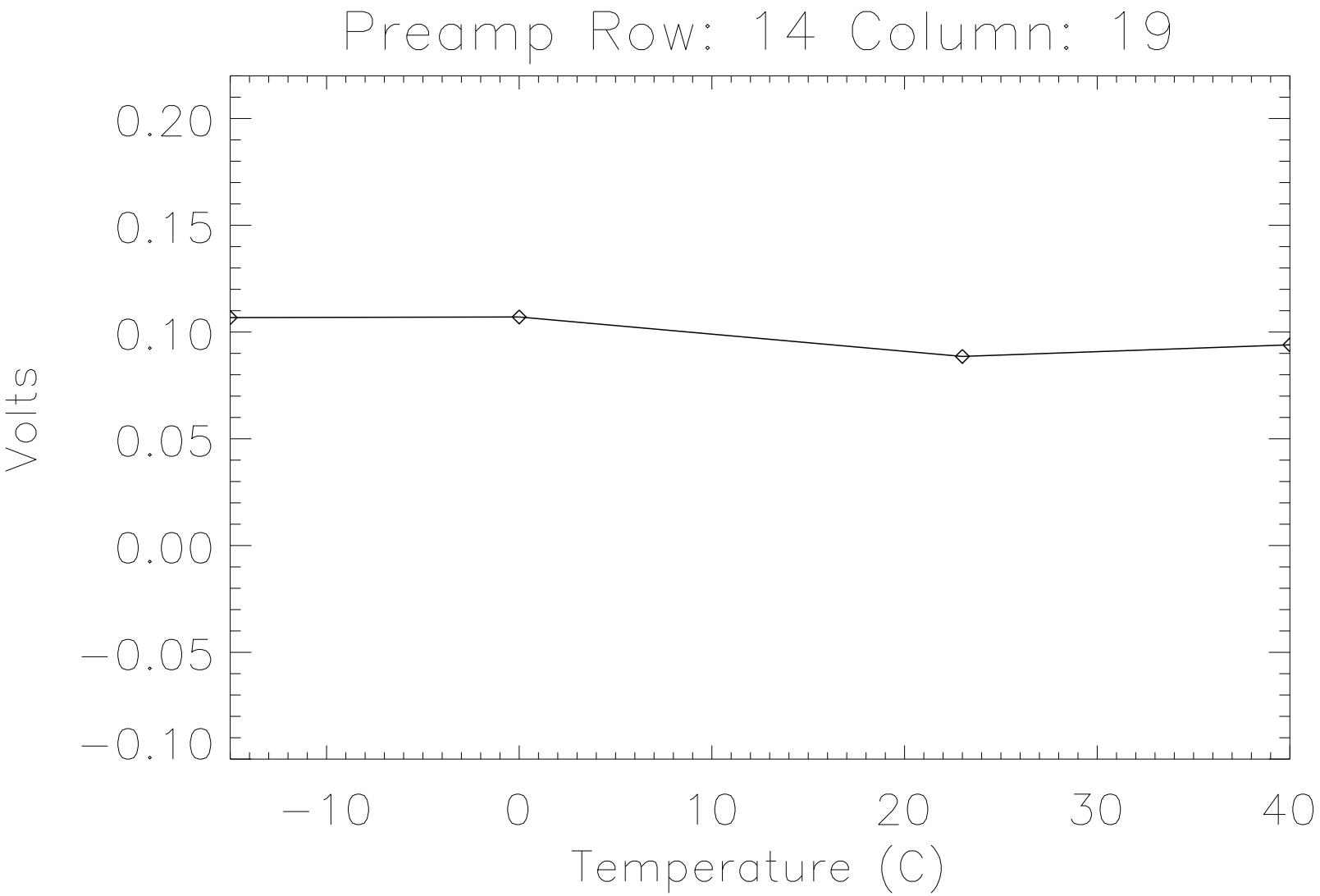
30
40
Temperature (C)


Leakage Row: 14 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 19
0.20
0.15
0.10
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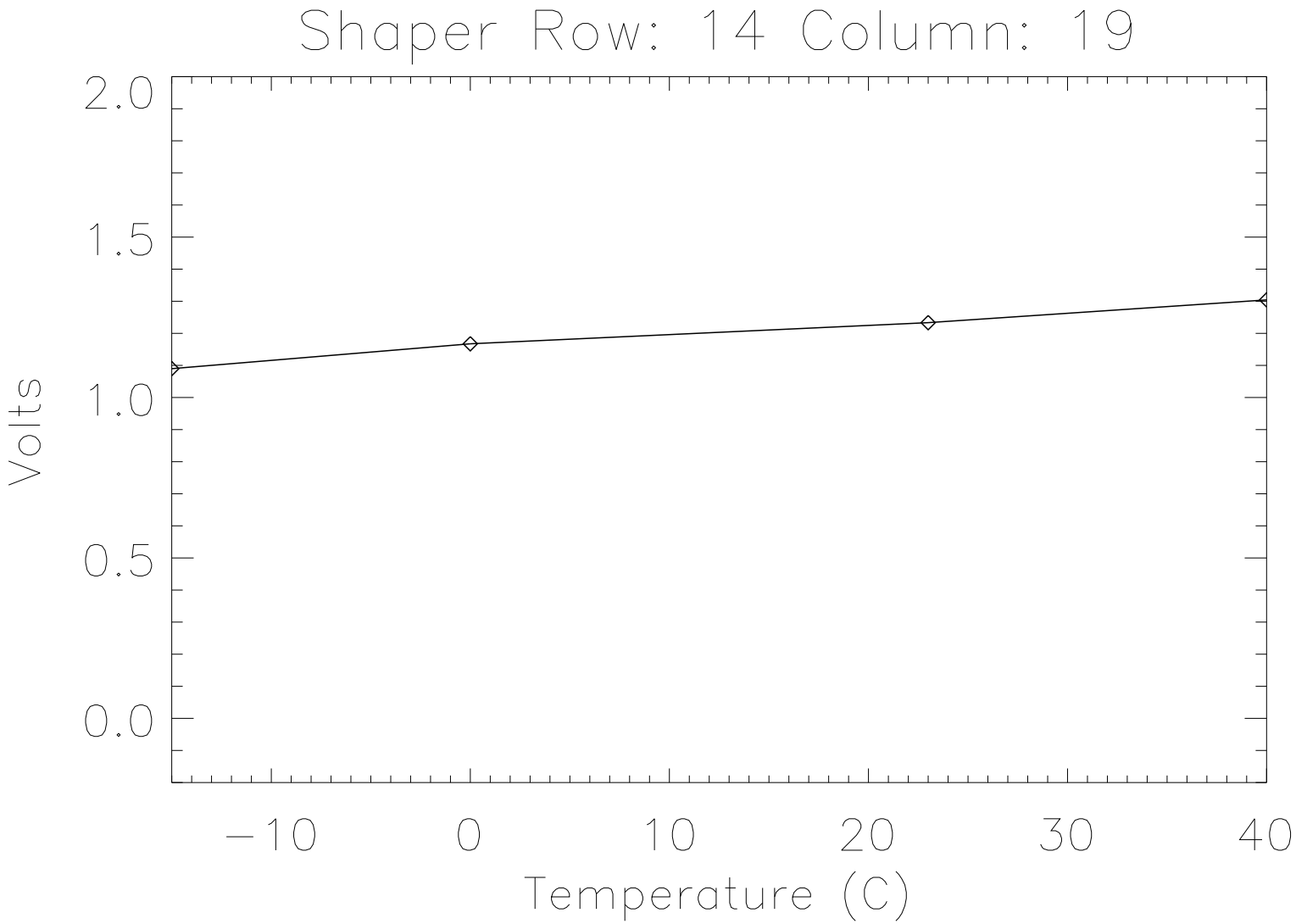
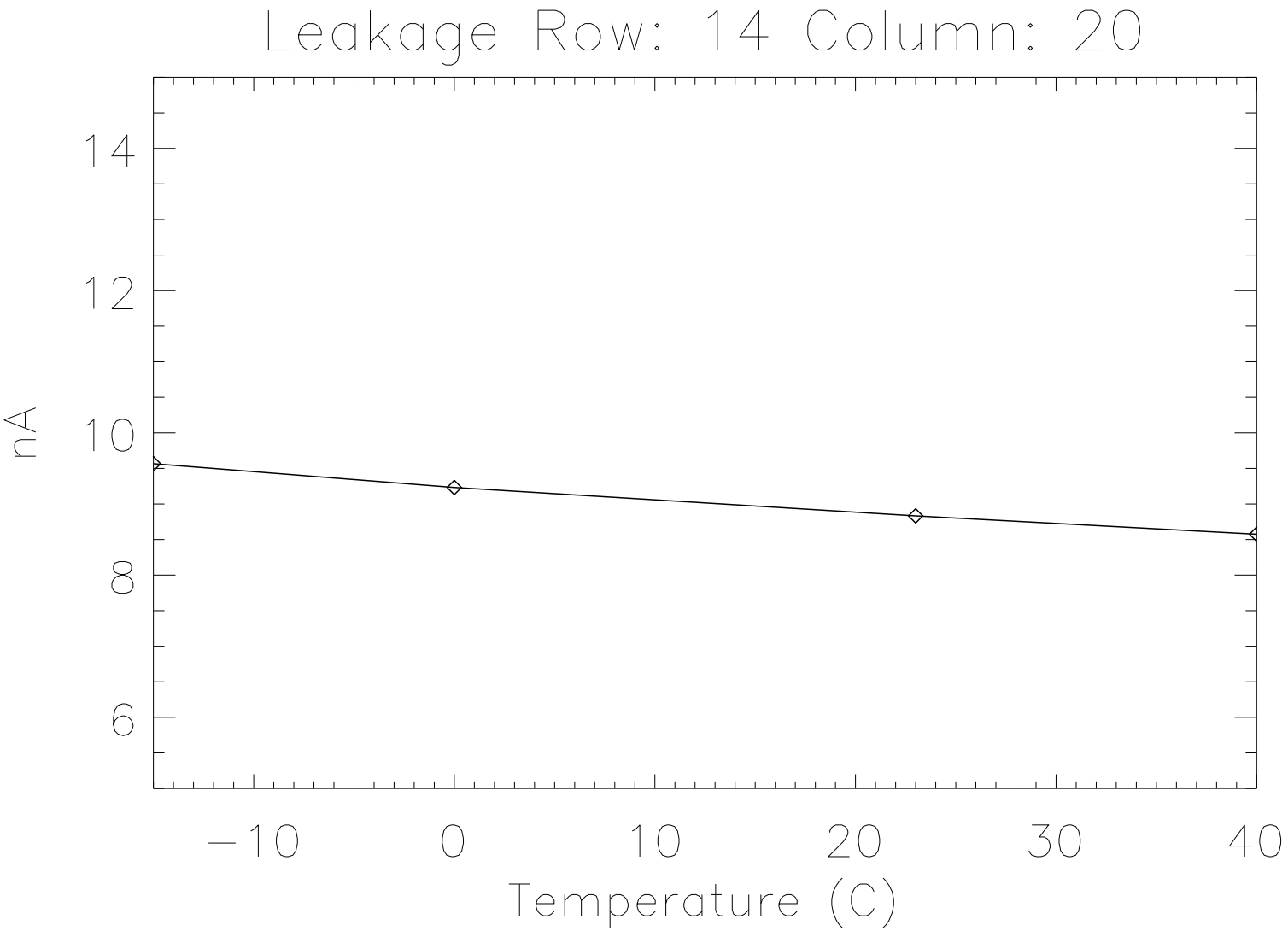
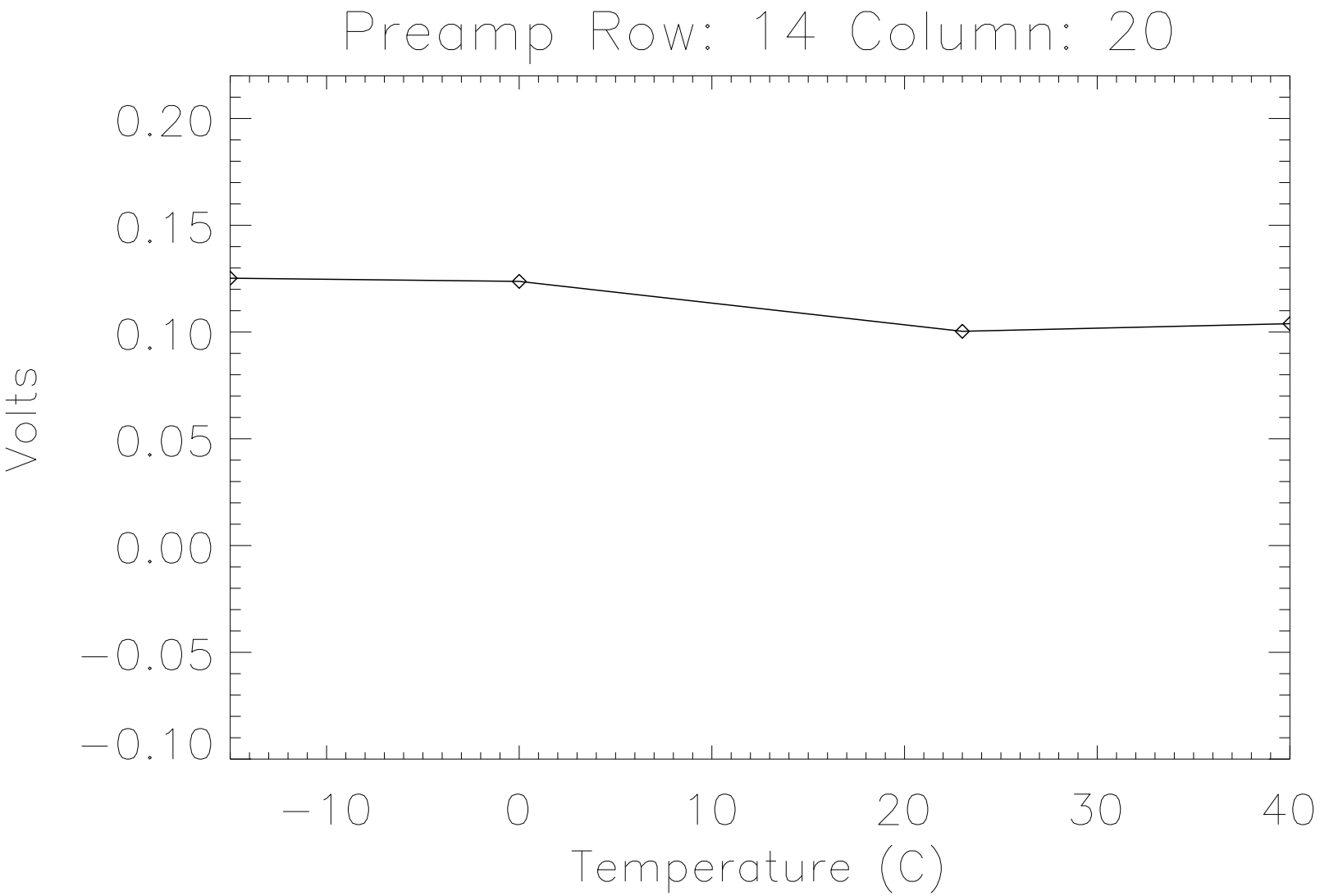
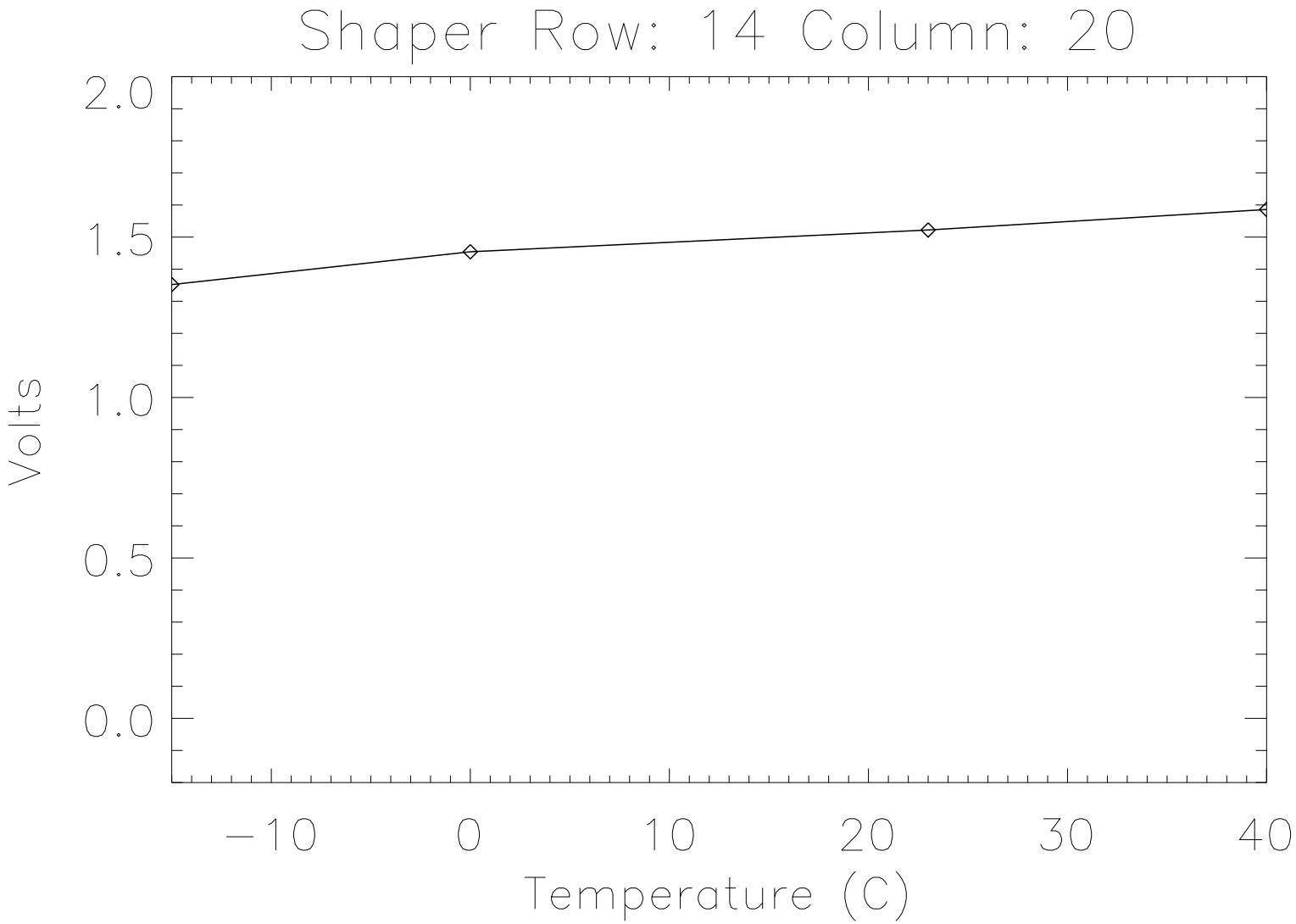
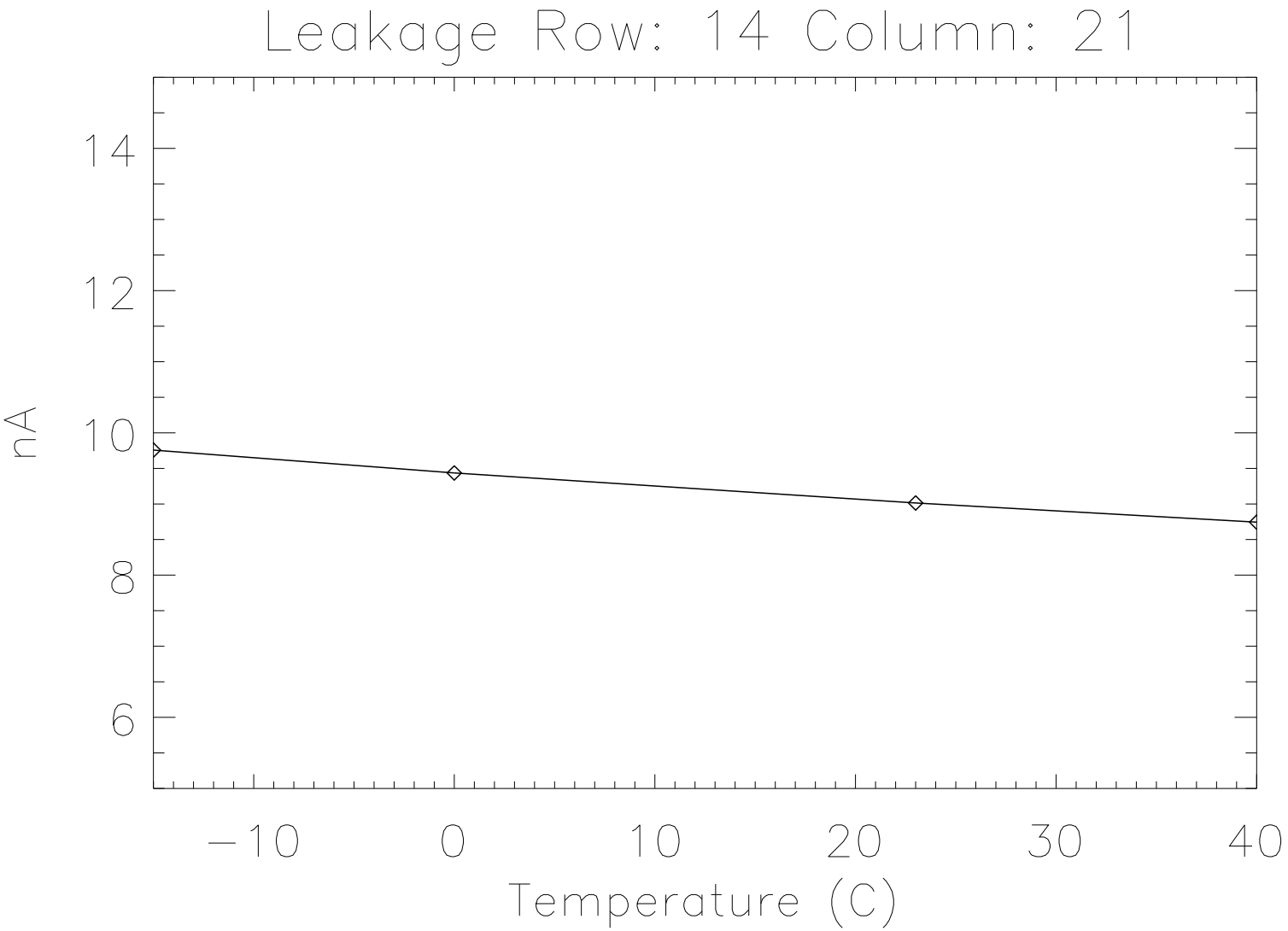
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

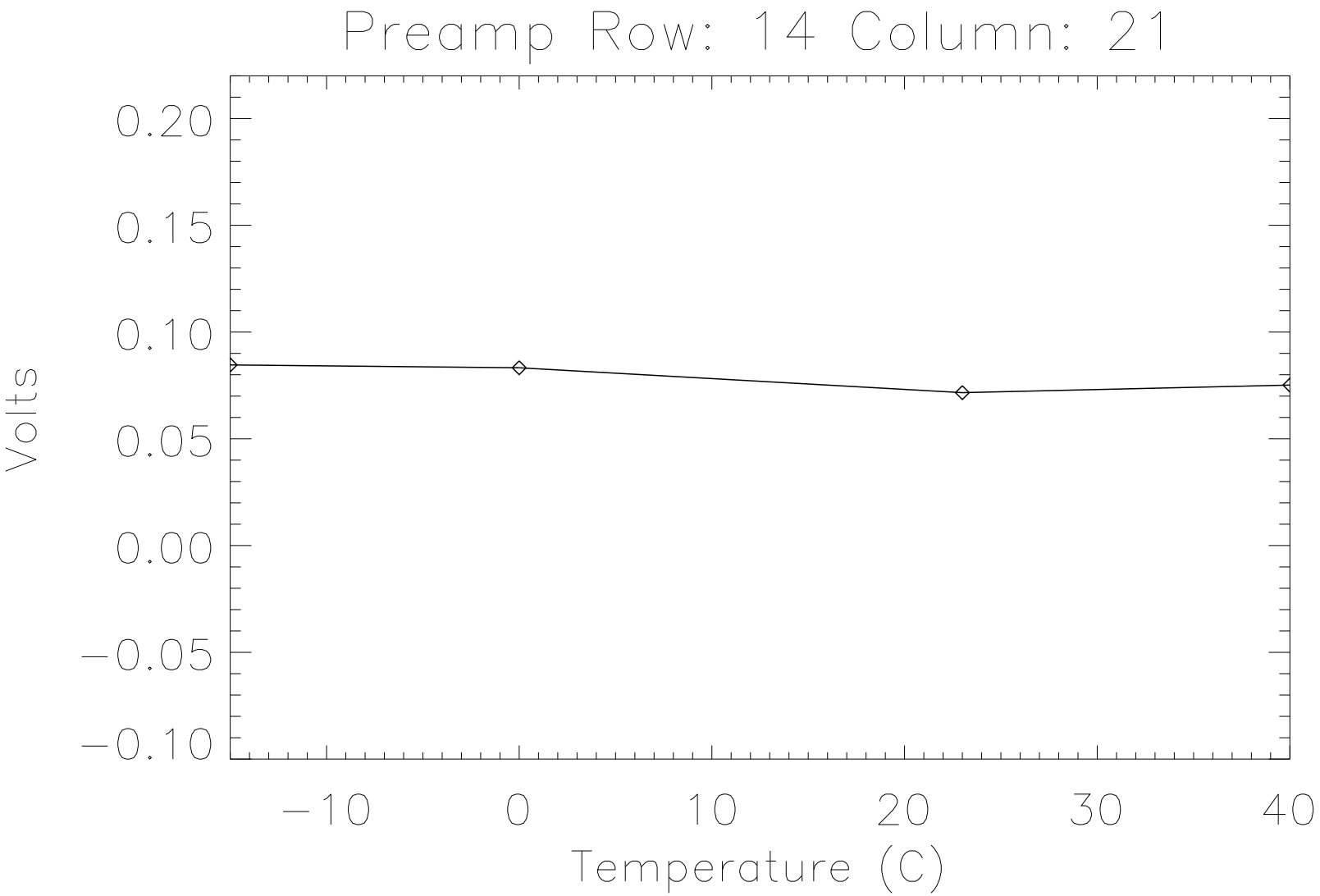

Shaper Row: 14 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 14 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 14 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 21
0.20
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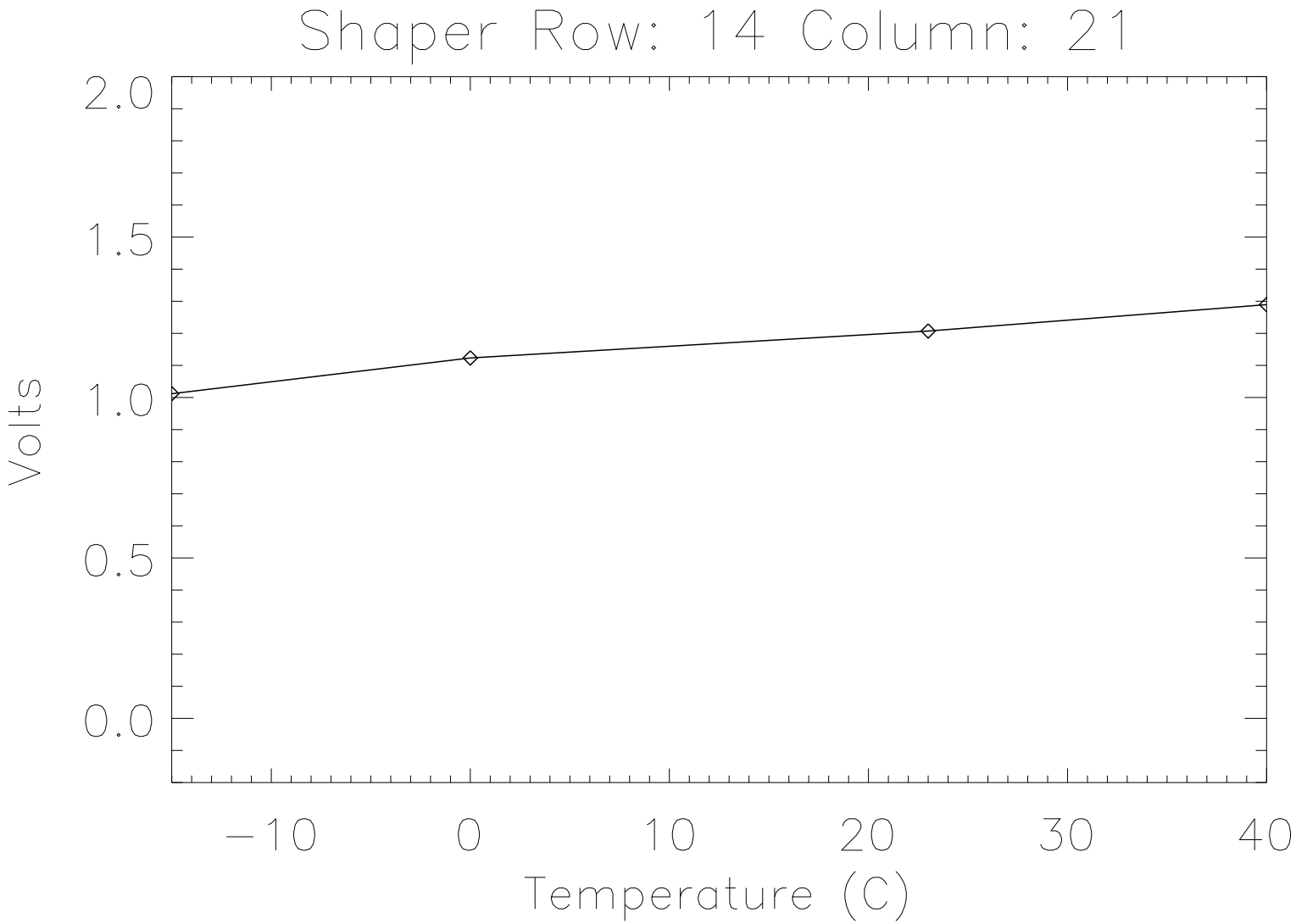
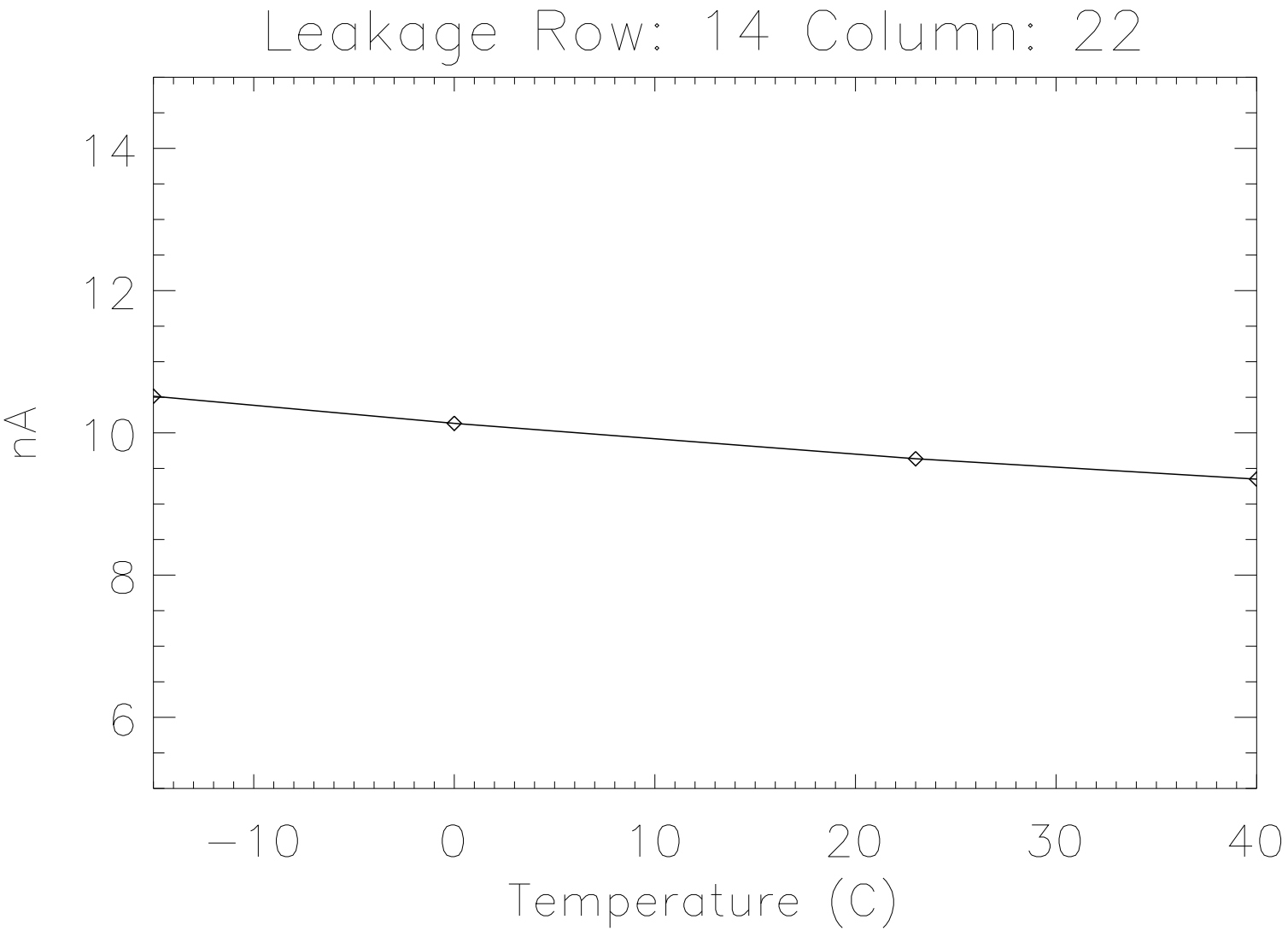
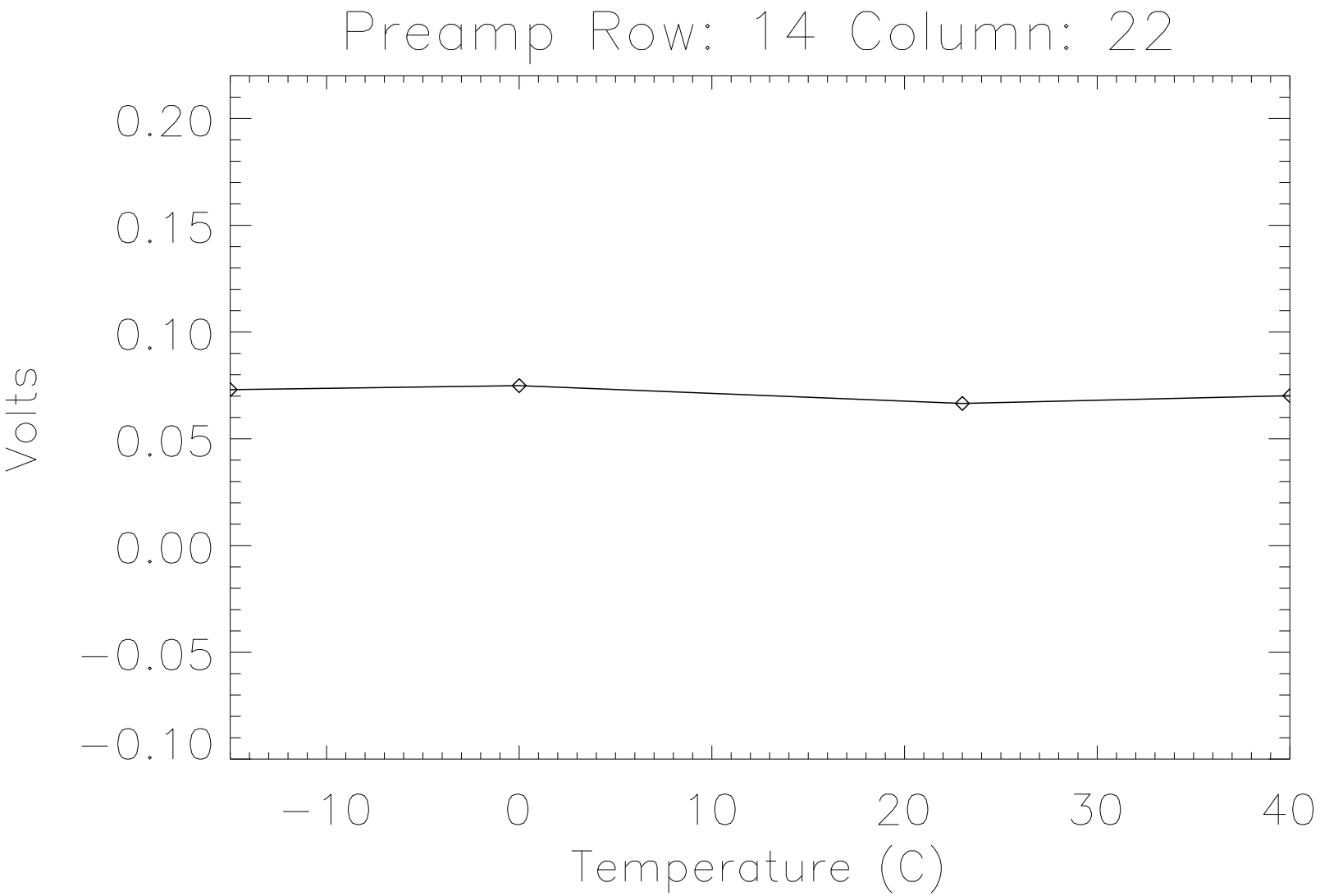
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 14 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 22
0.20
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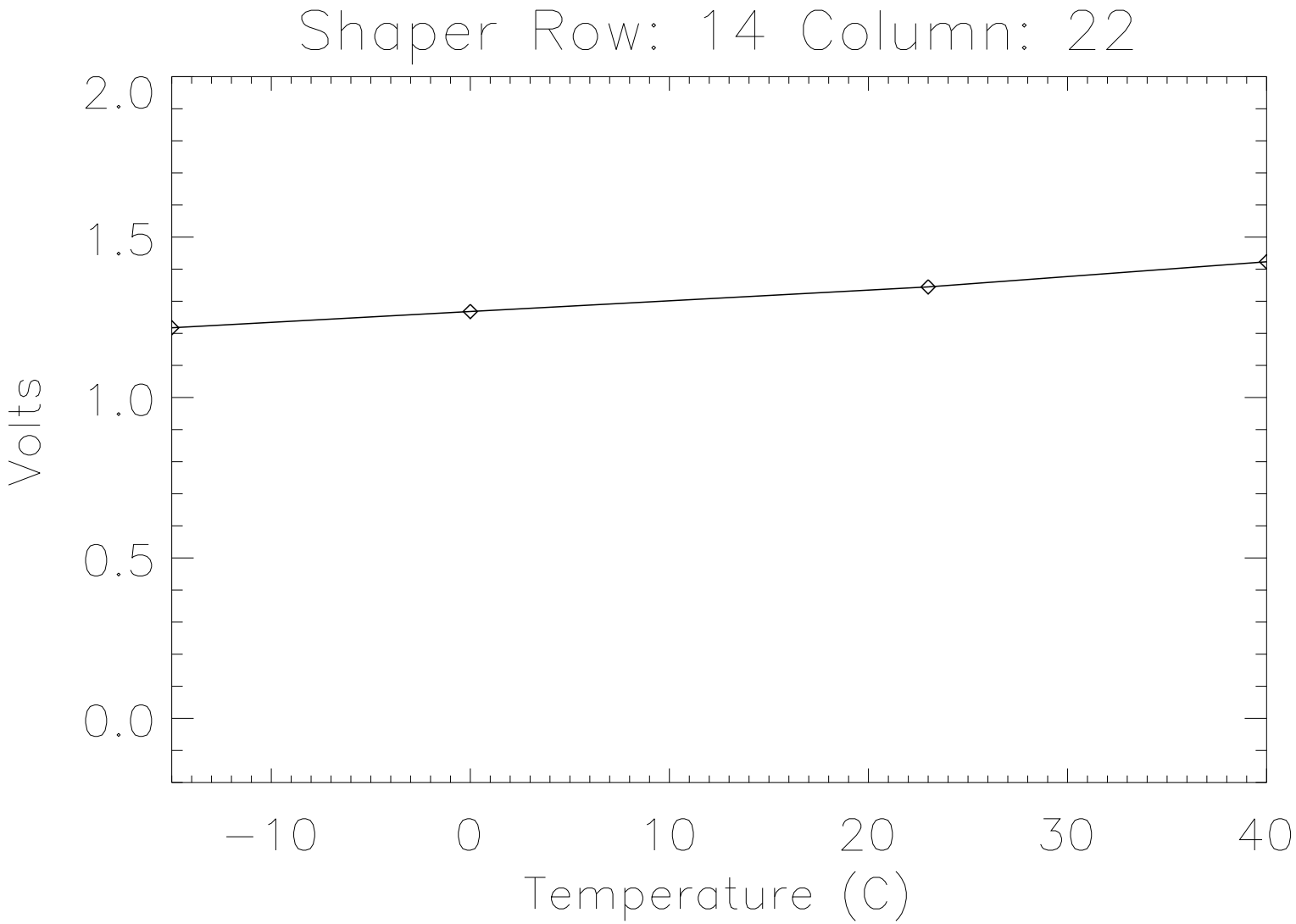
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 22
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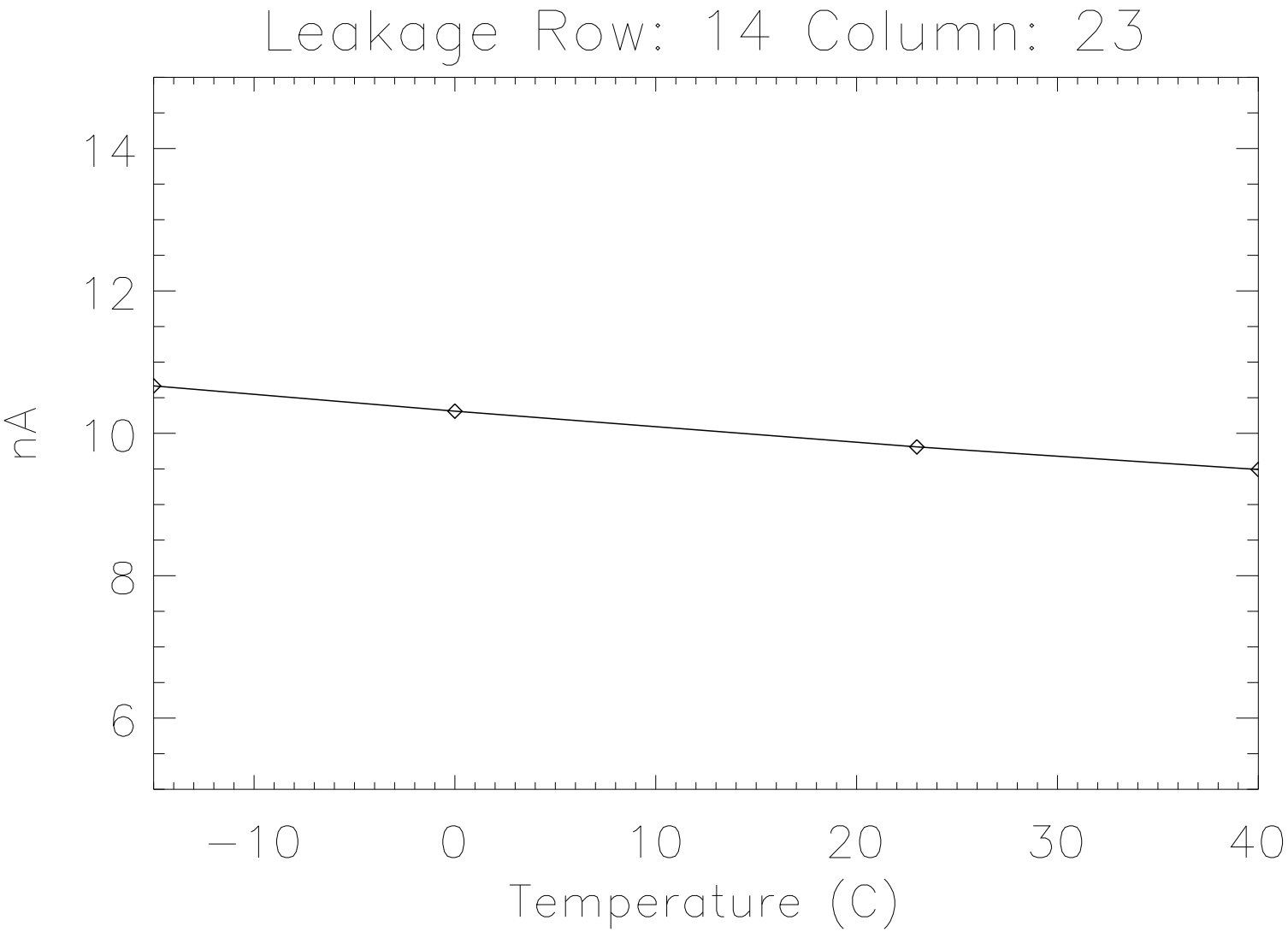
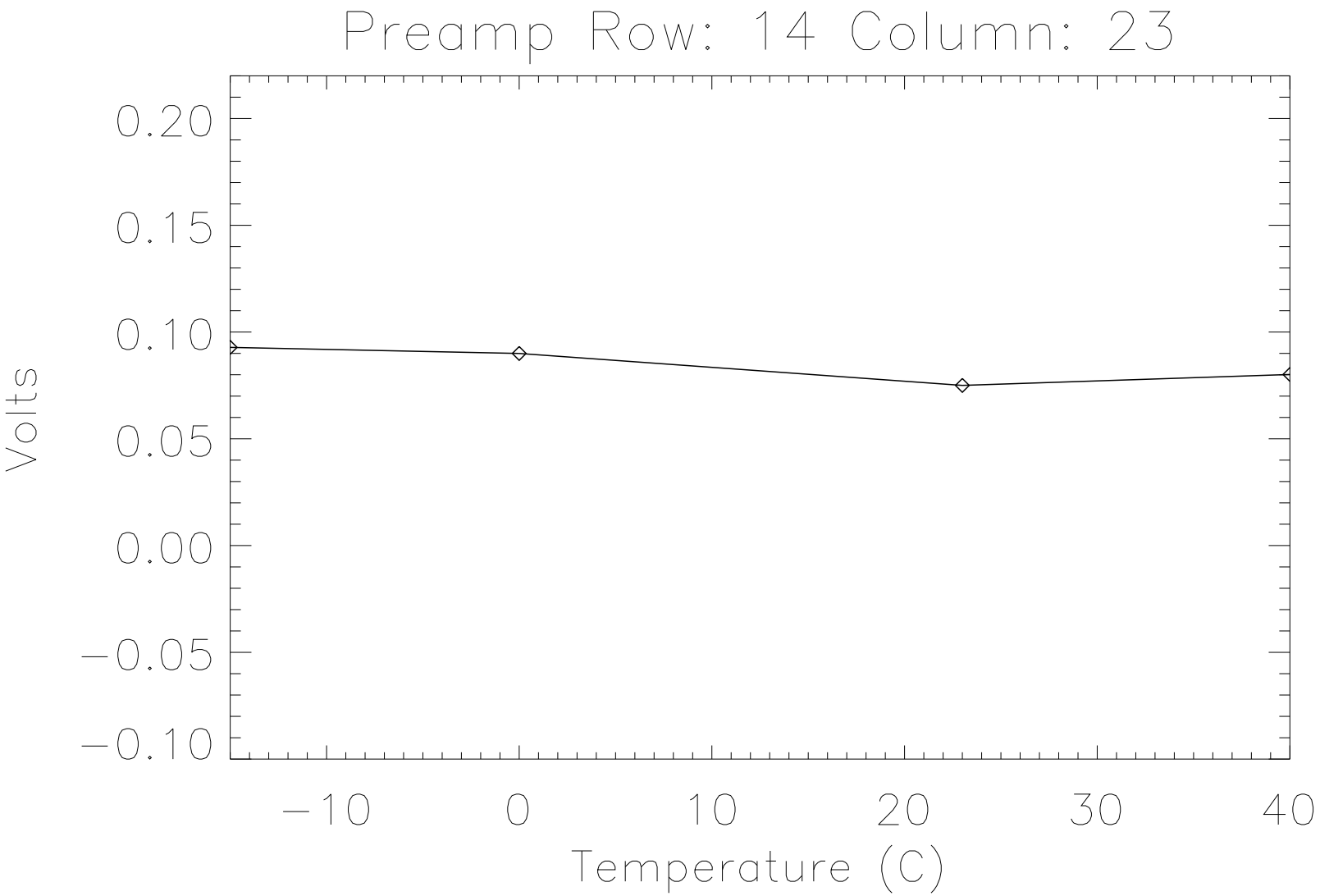
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 14 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 23
0.20
0.15
0.10
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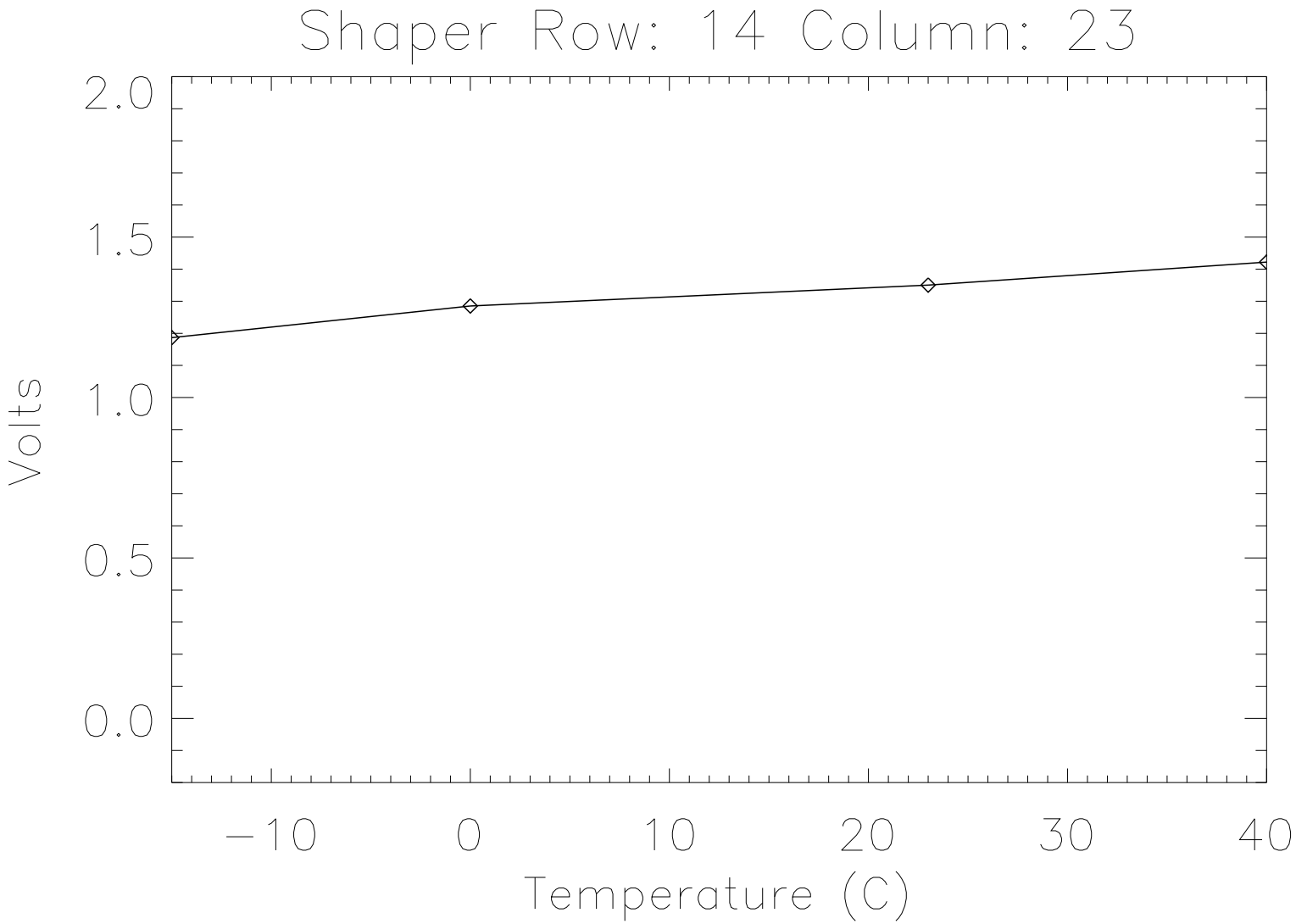
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 23
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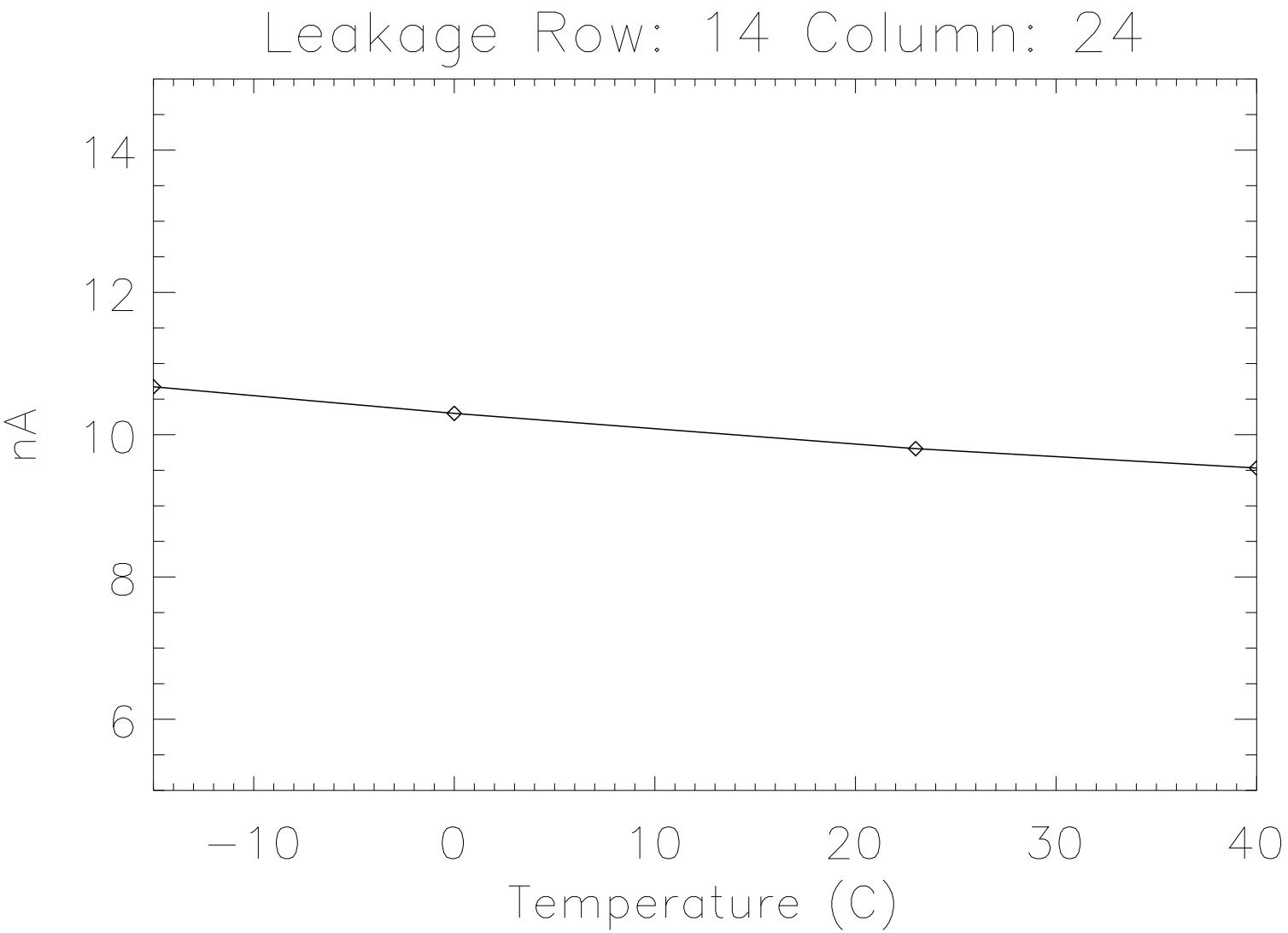
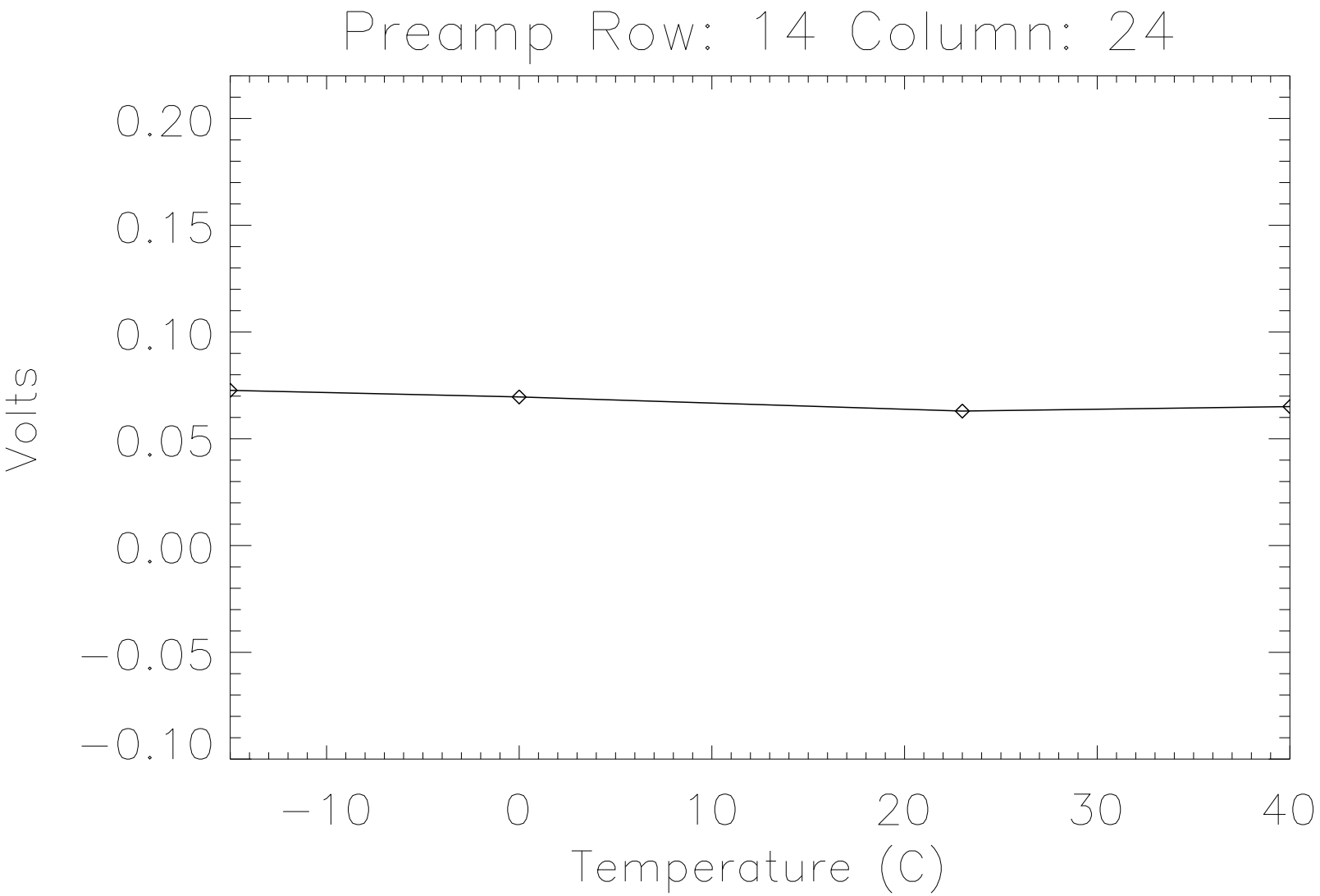
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 14 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 24
0.20
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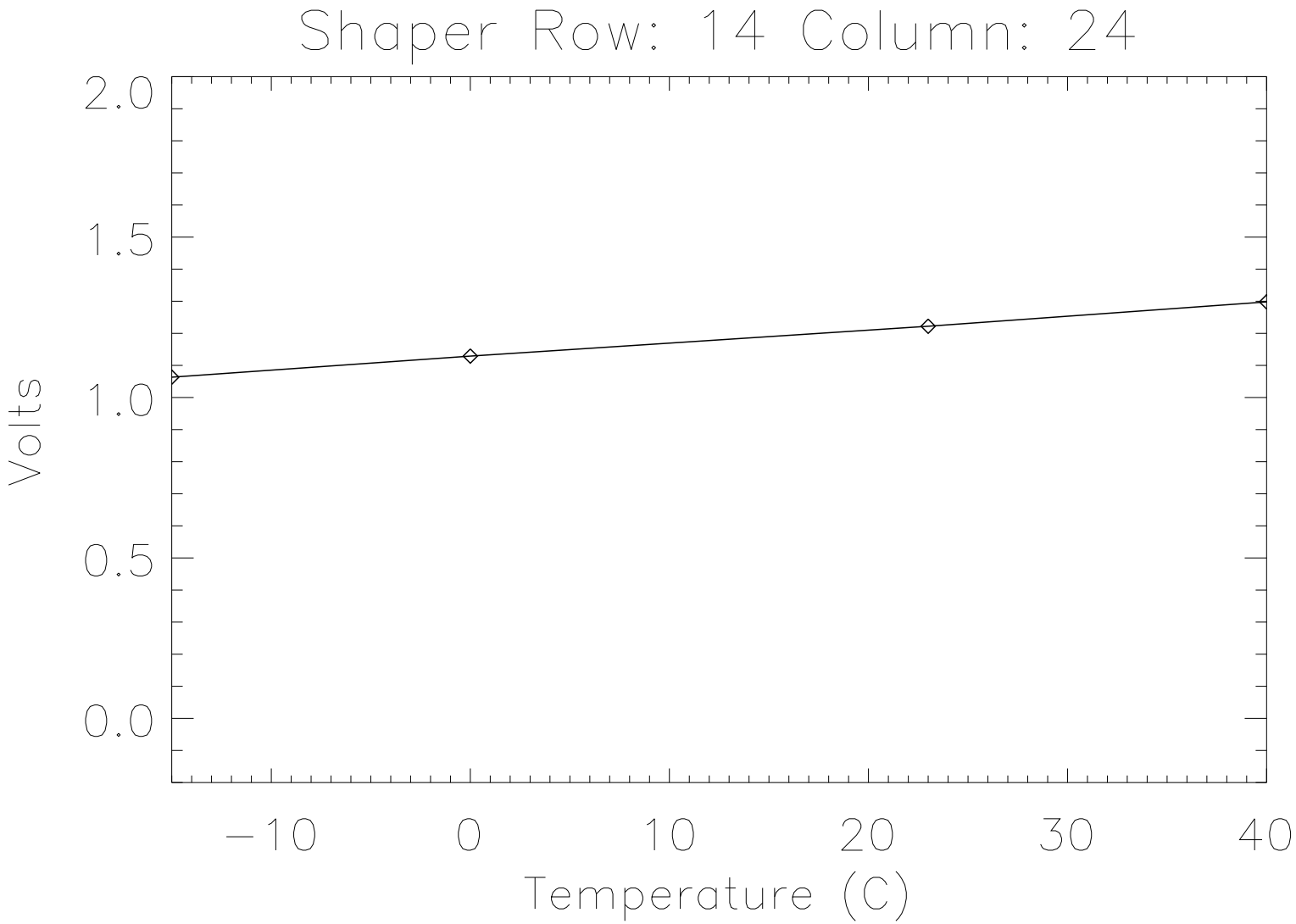
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 24
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1.5
1.0
0.5
0.0
Volts
−10
0
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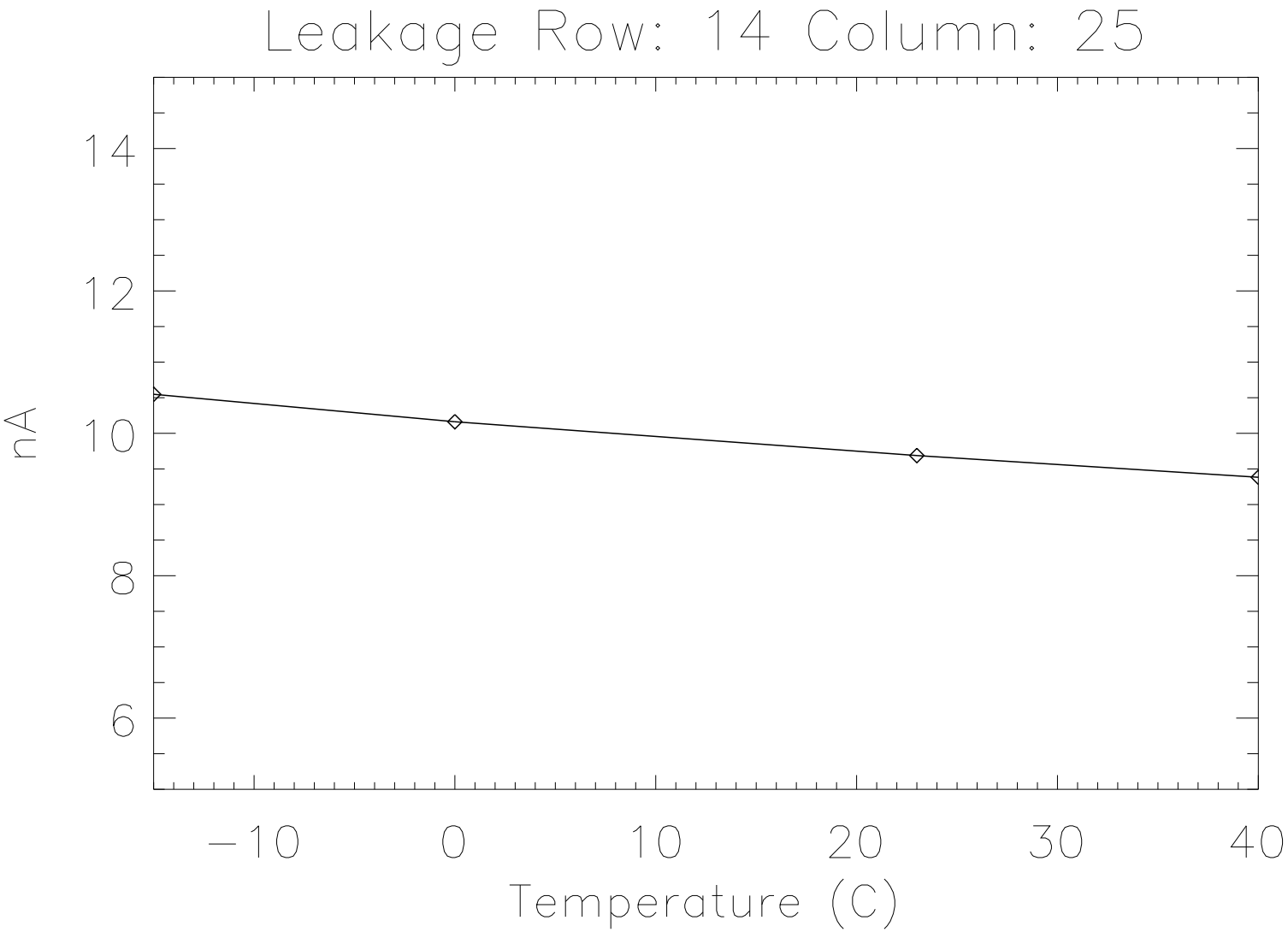
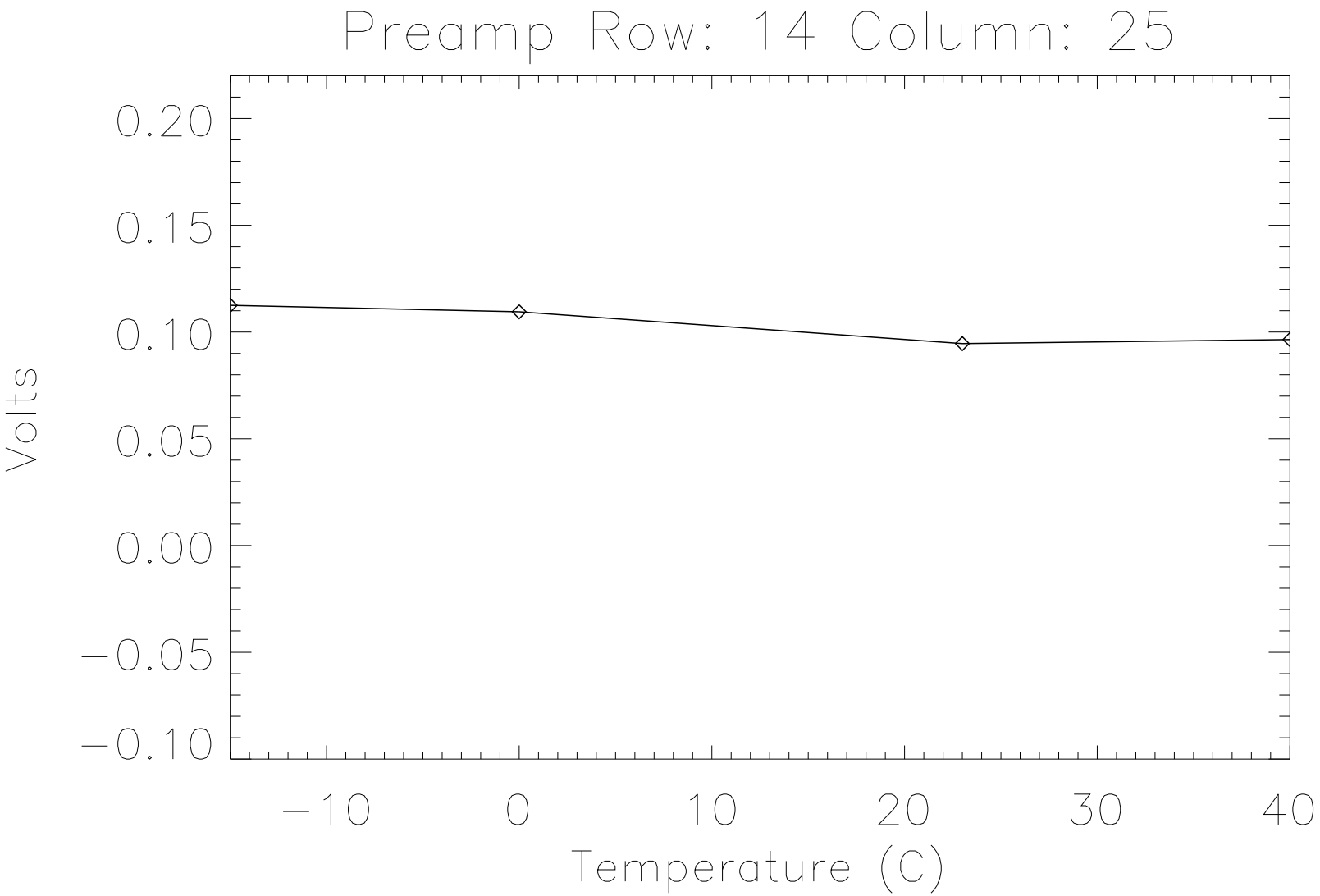
20
30
40
Temperature (C)


Leakage Row: 14 Column: 25
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 25
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−0.10
Volts
−10
0
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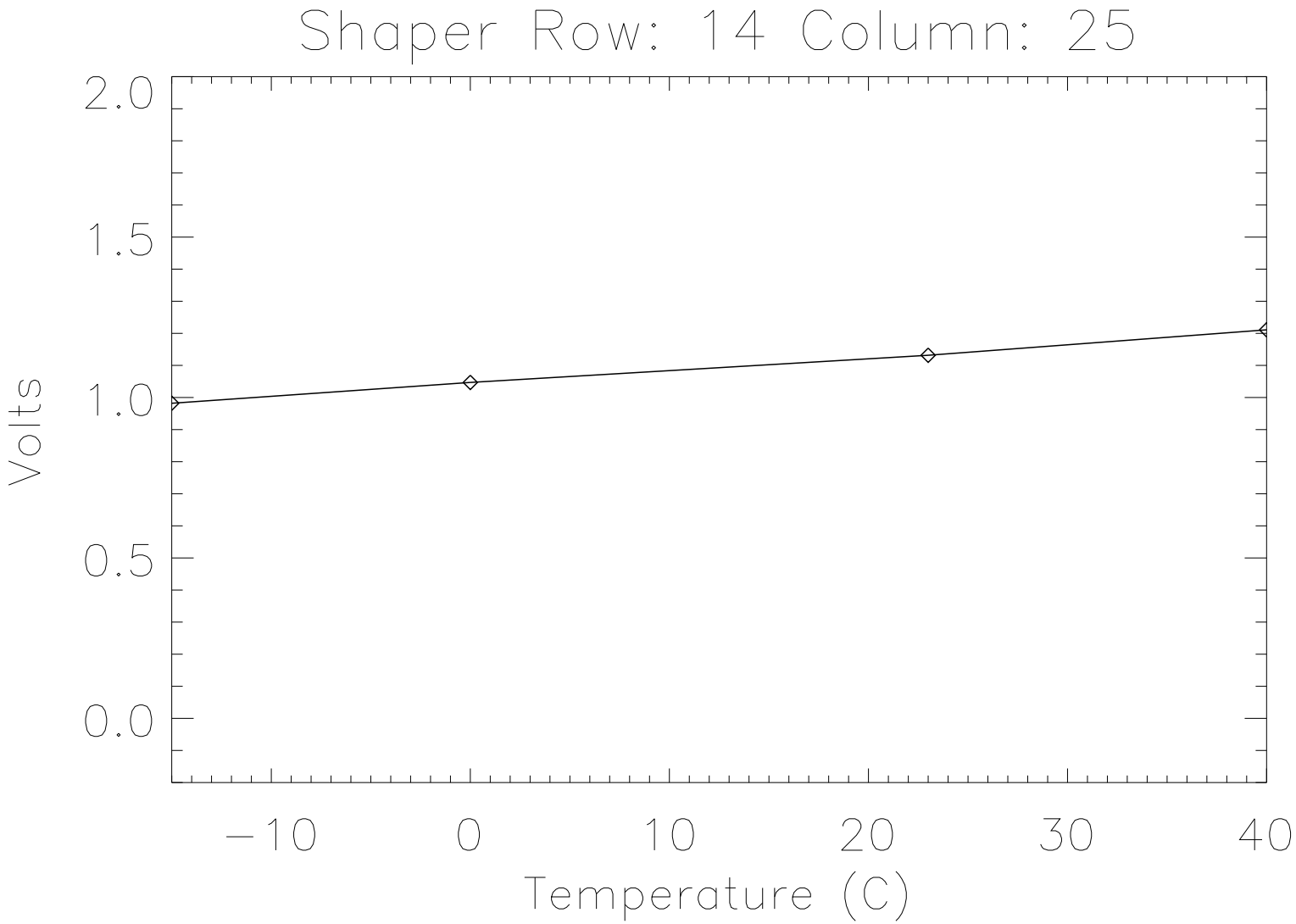
20
30
40
Temperature (C)


Shaper Row: 14 Column: 25
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1.0
0.5
0.0
Volts
−10
0
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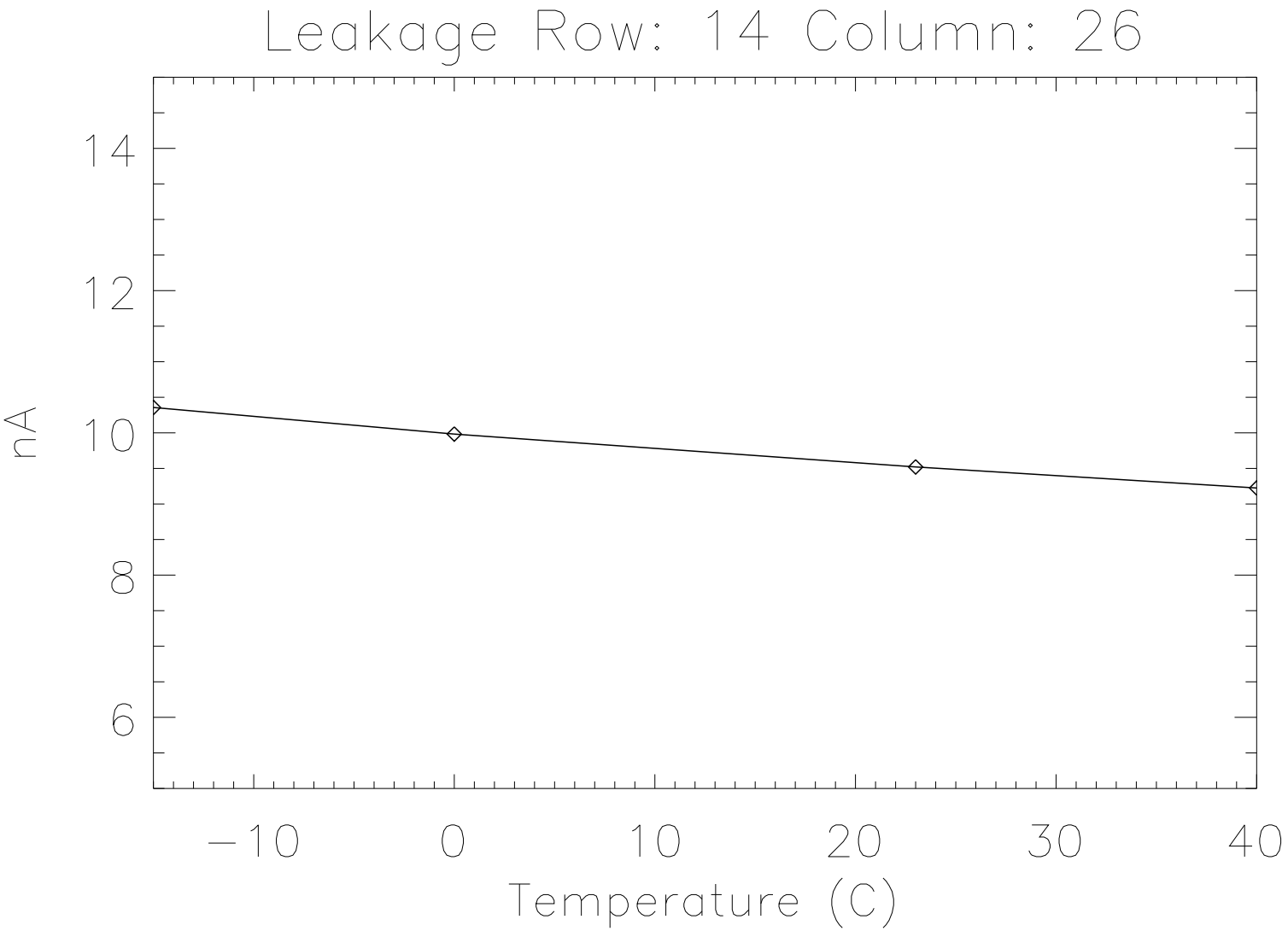
20
30
40
Temperature (C)


Leakage Row: 14 Column: 26
nA
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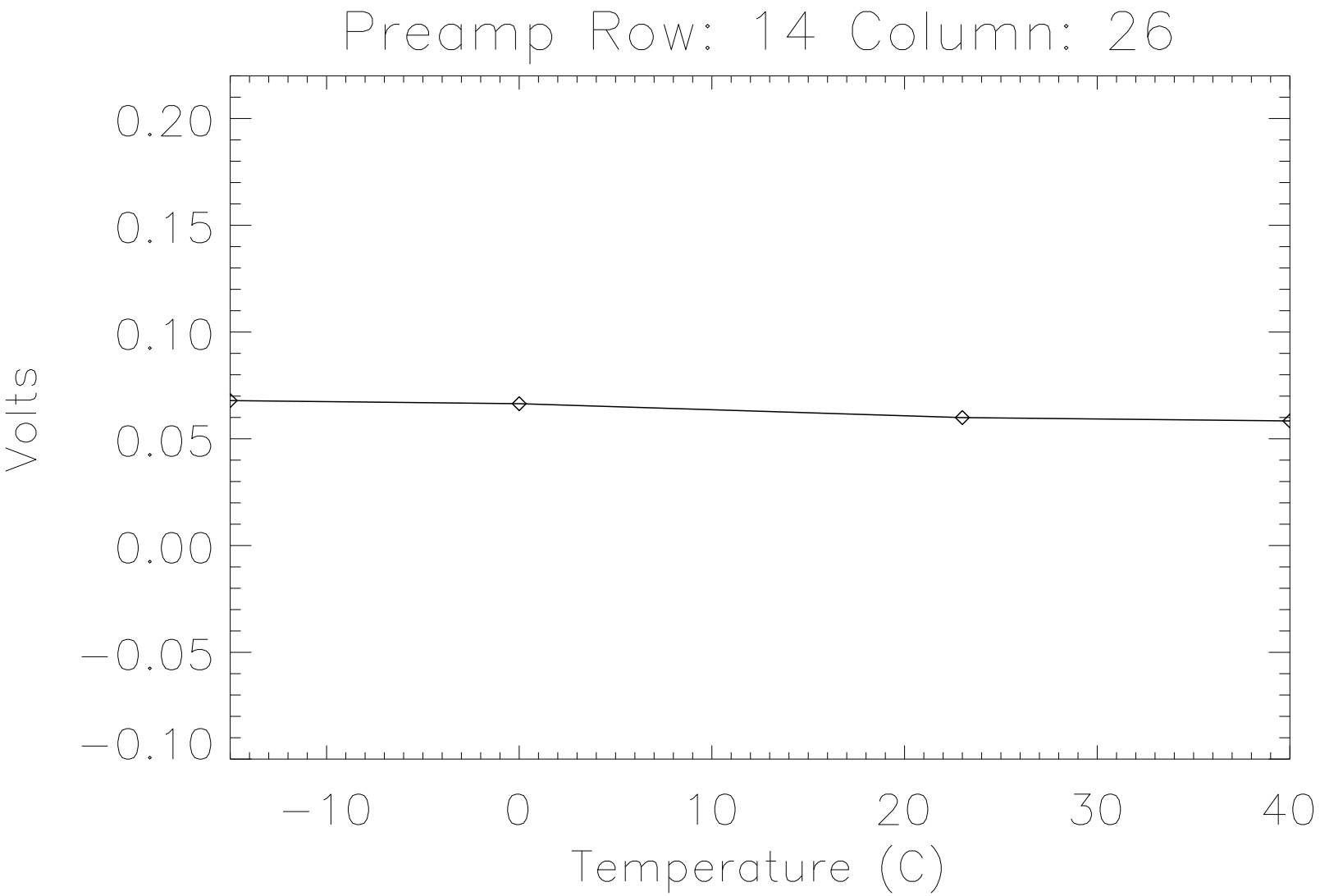
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 26
0.20
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0.10
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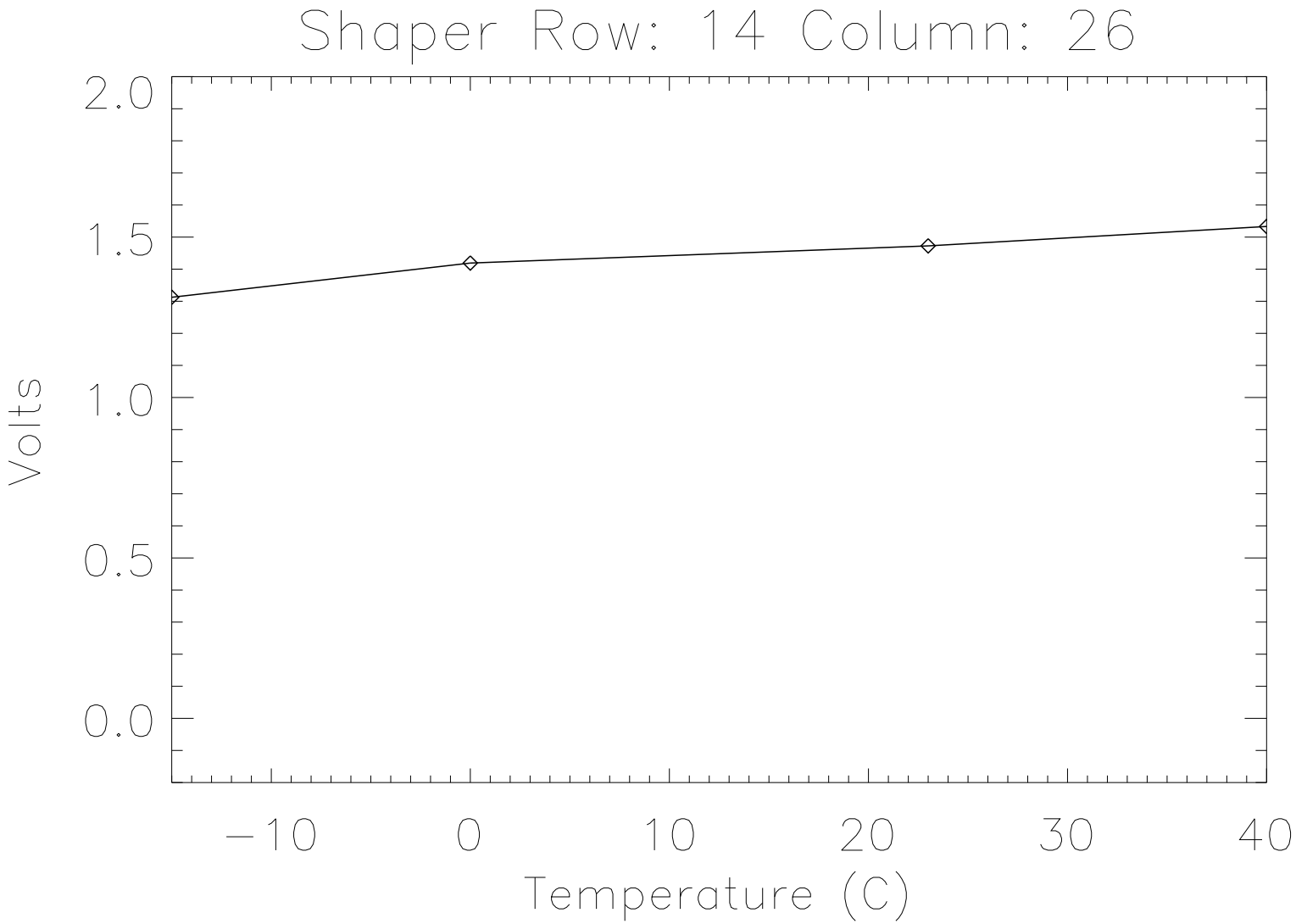
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 26
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1.0
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0.0
Volts
−10
0
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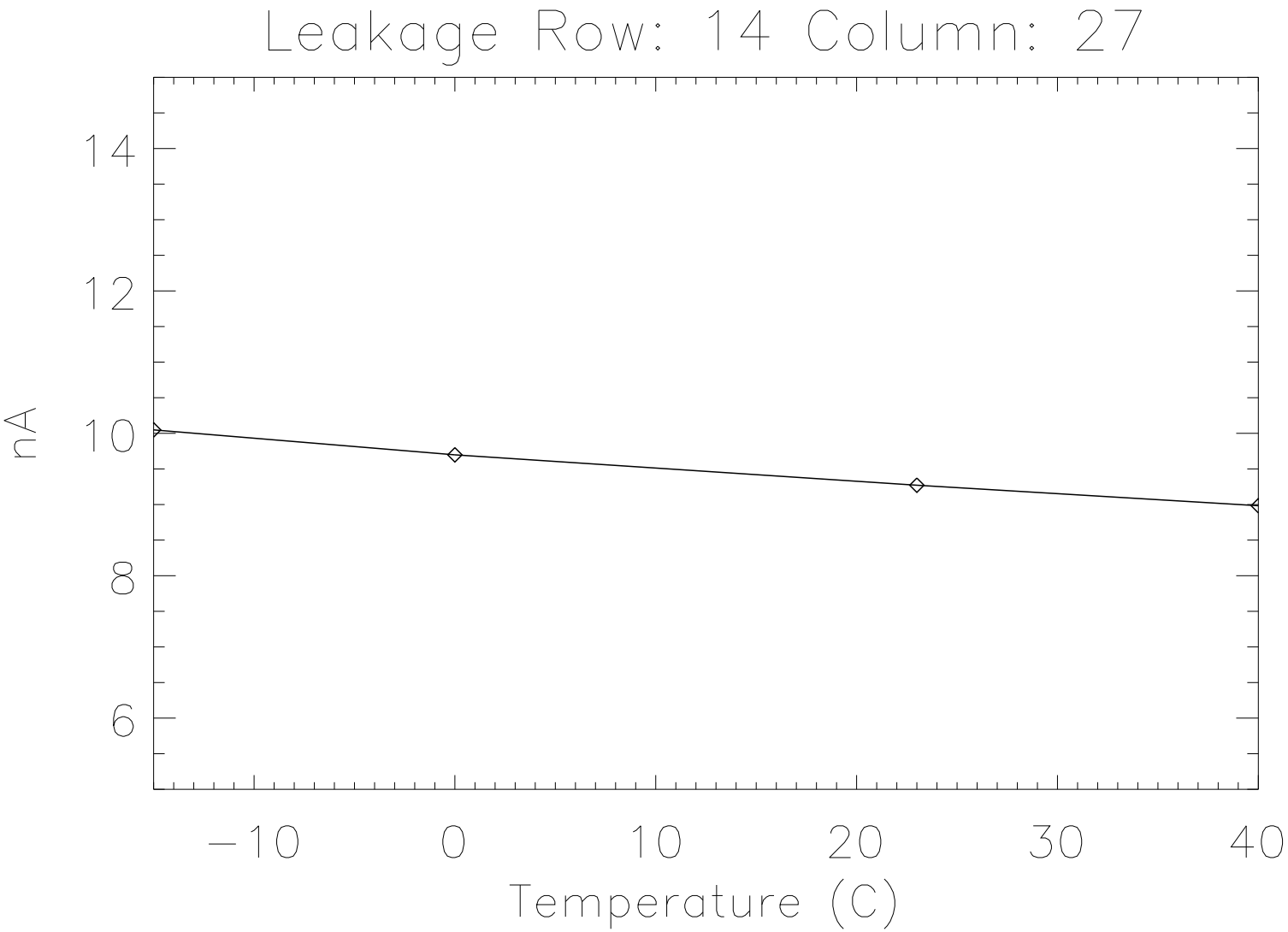
20
30
40
Temperature (C)


Leakage Row: 14 Column: 27
nA
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8
6
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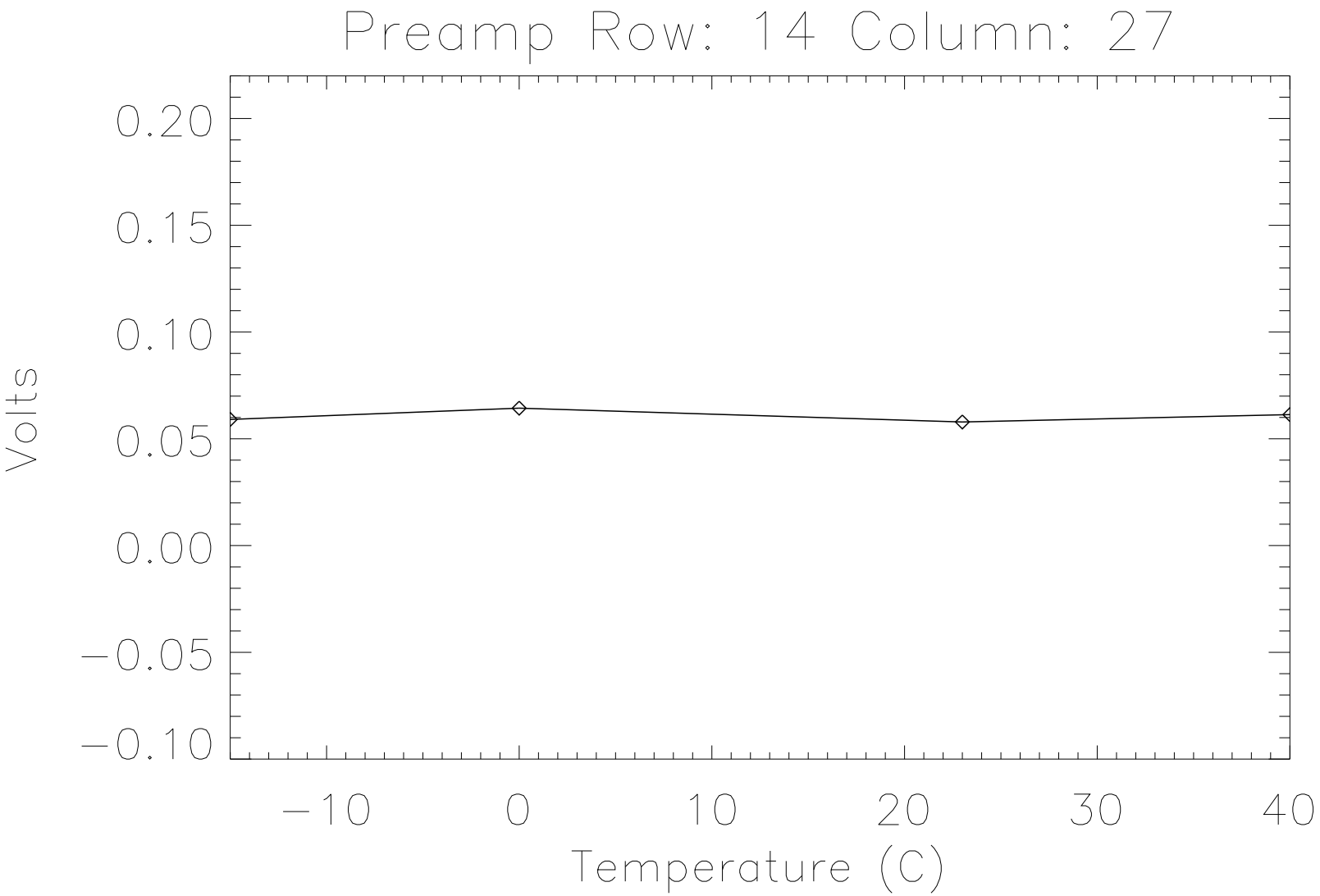
20
30
40
Temperature (C)


Preamp Row: 14 Column: 27
0.20
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0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
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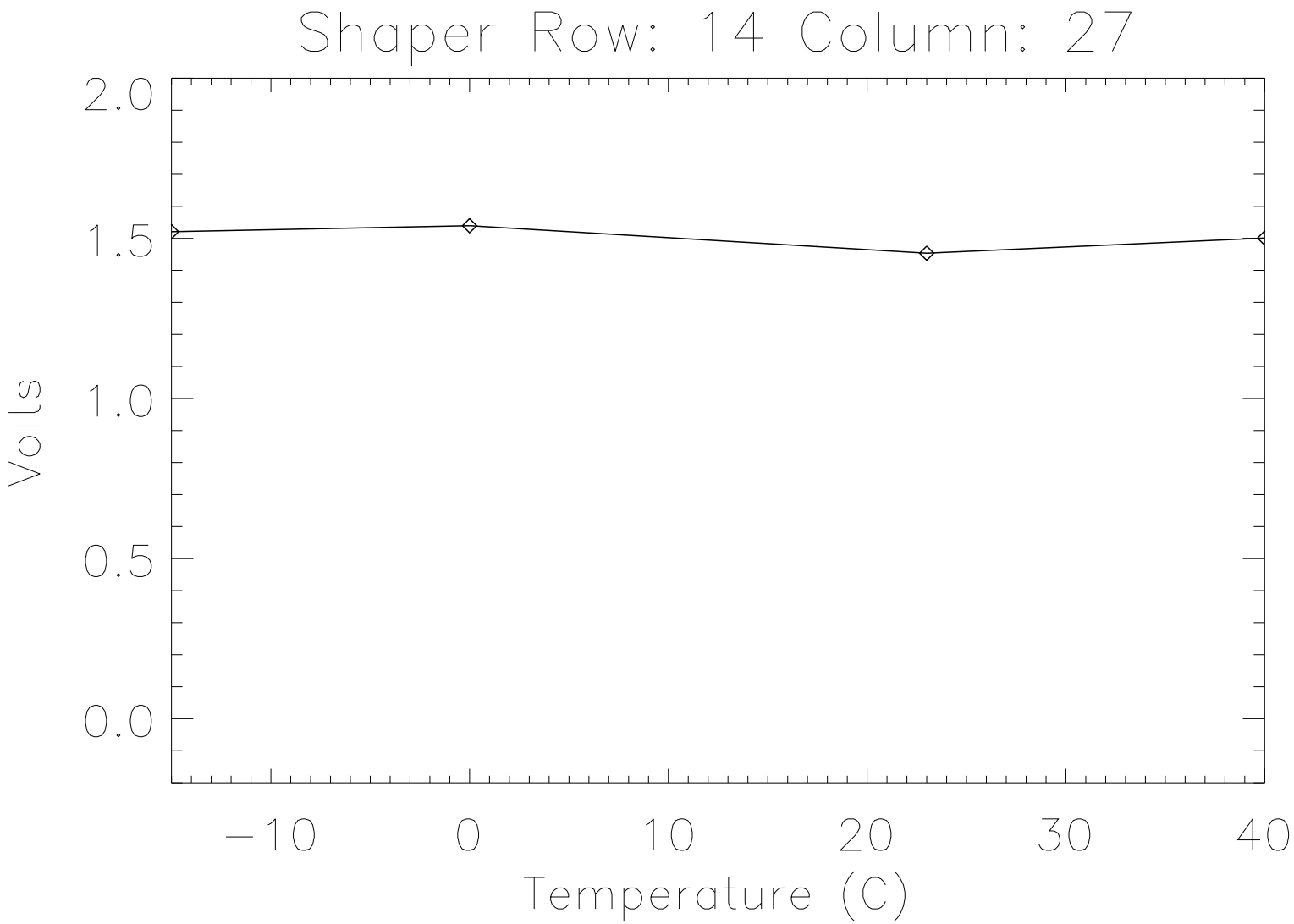
20
30
40
Temperature (C)


Shaper Row: 14 Column: 27
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1.0
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0.0
Volts
−10
0
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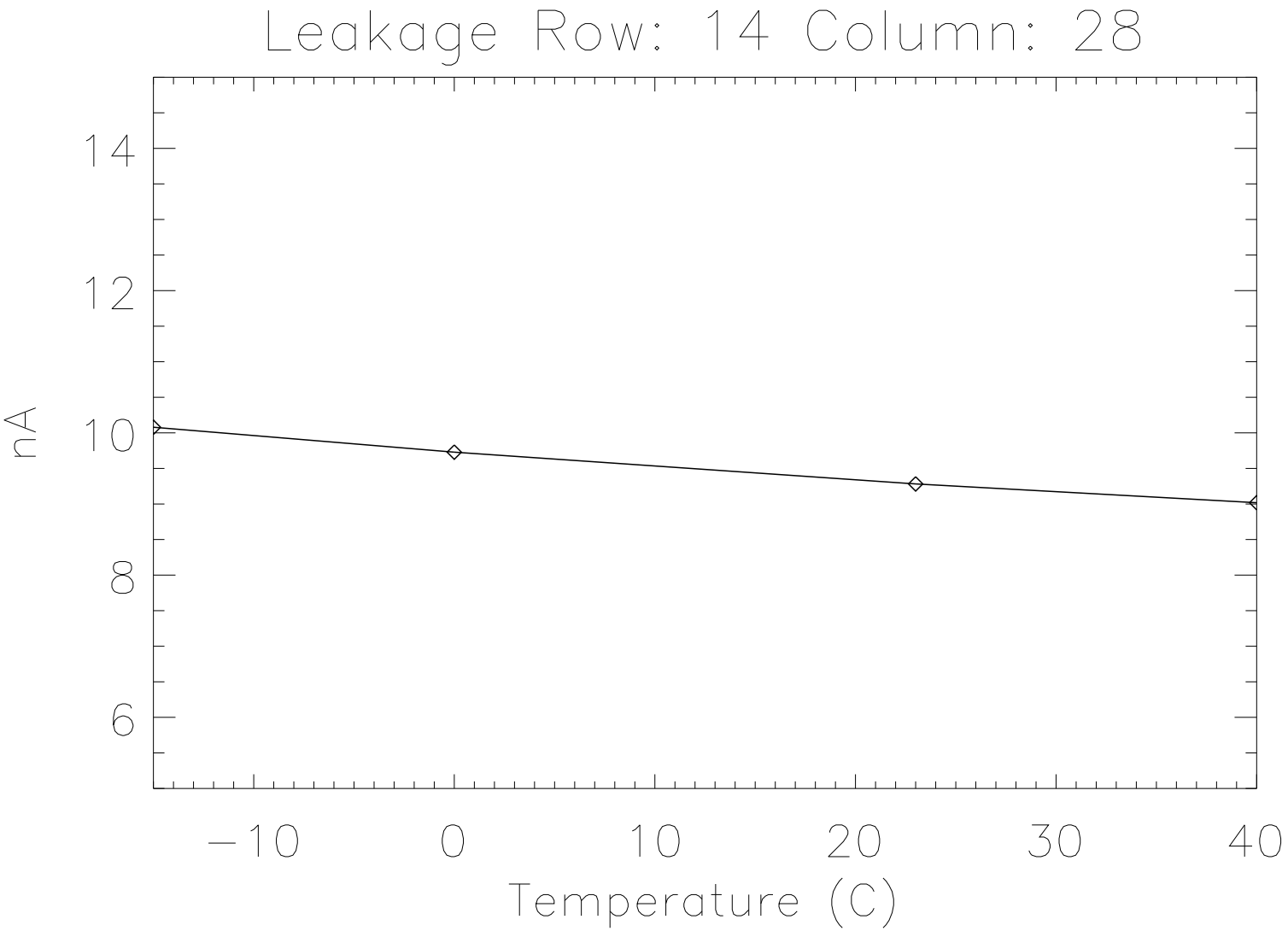
30
40
Temperature (C)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nA
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10
8
6
−10
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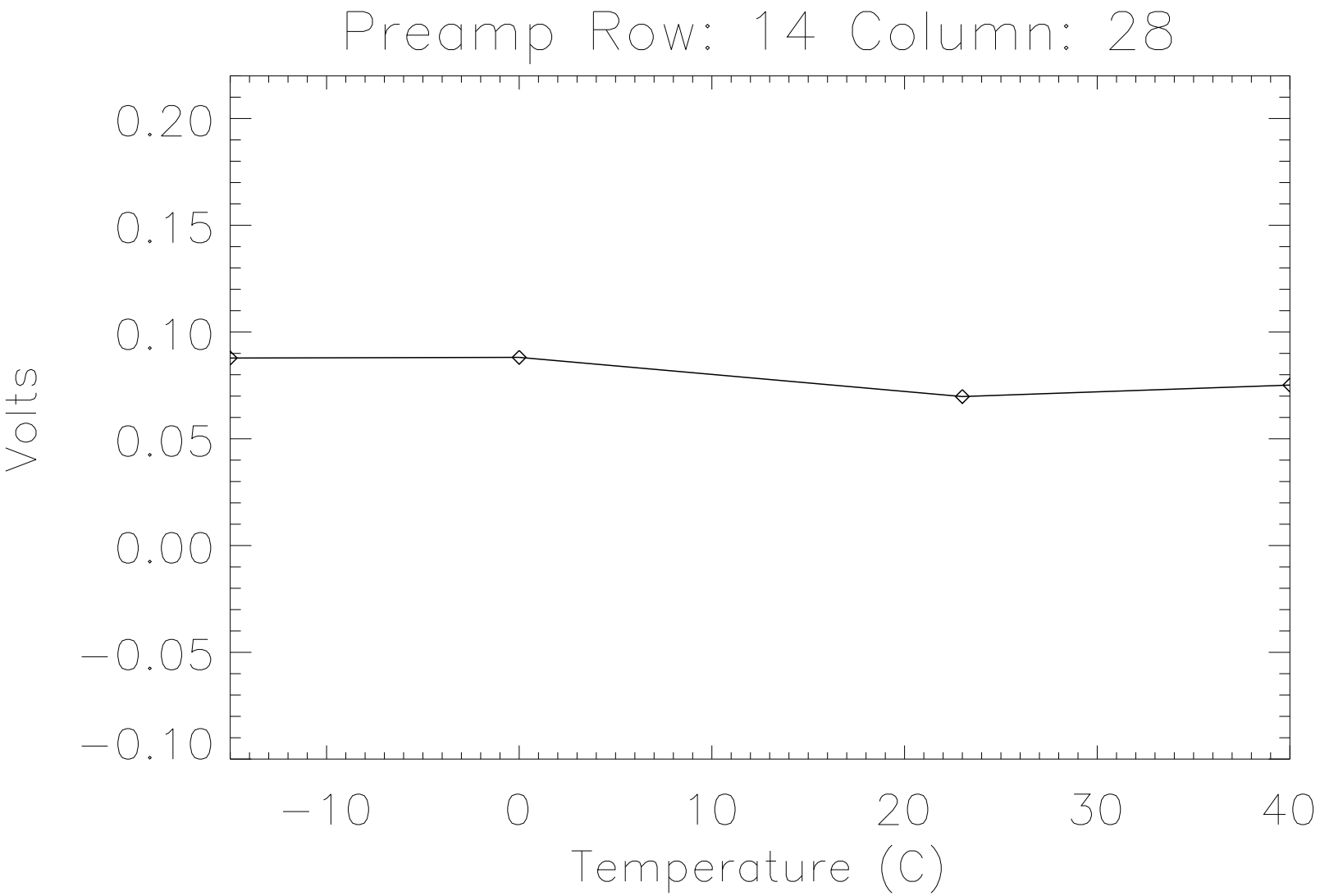
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 28
0.20
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0.10
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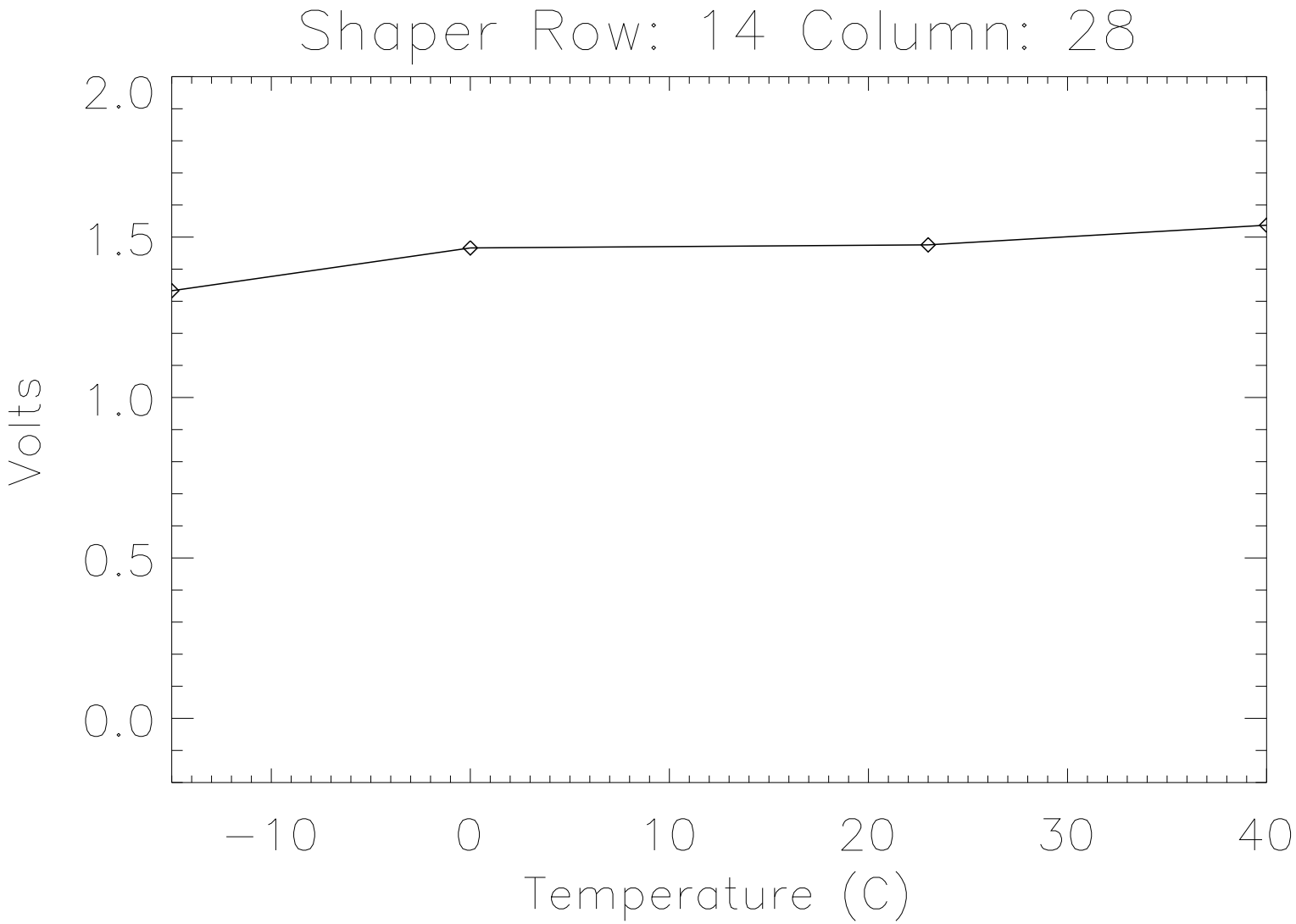
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 14 Column: 28
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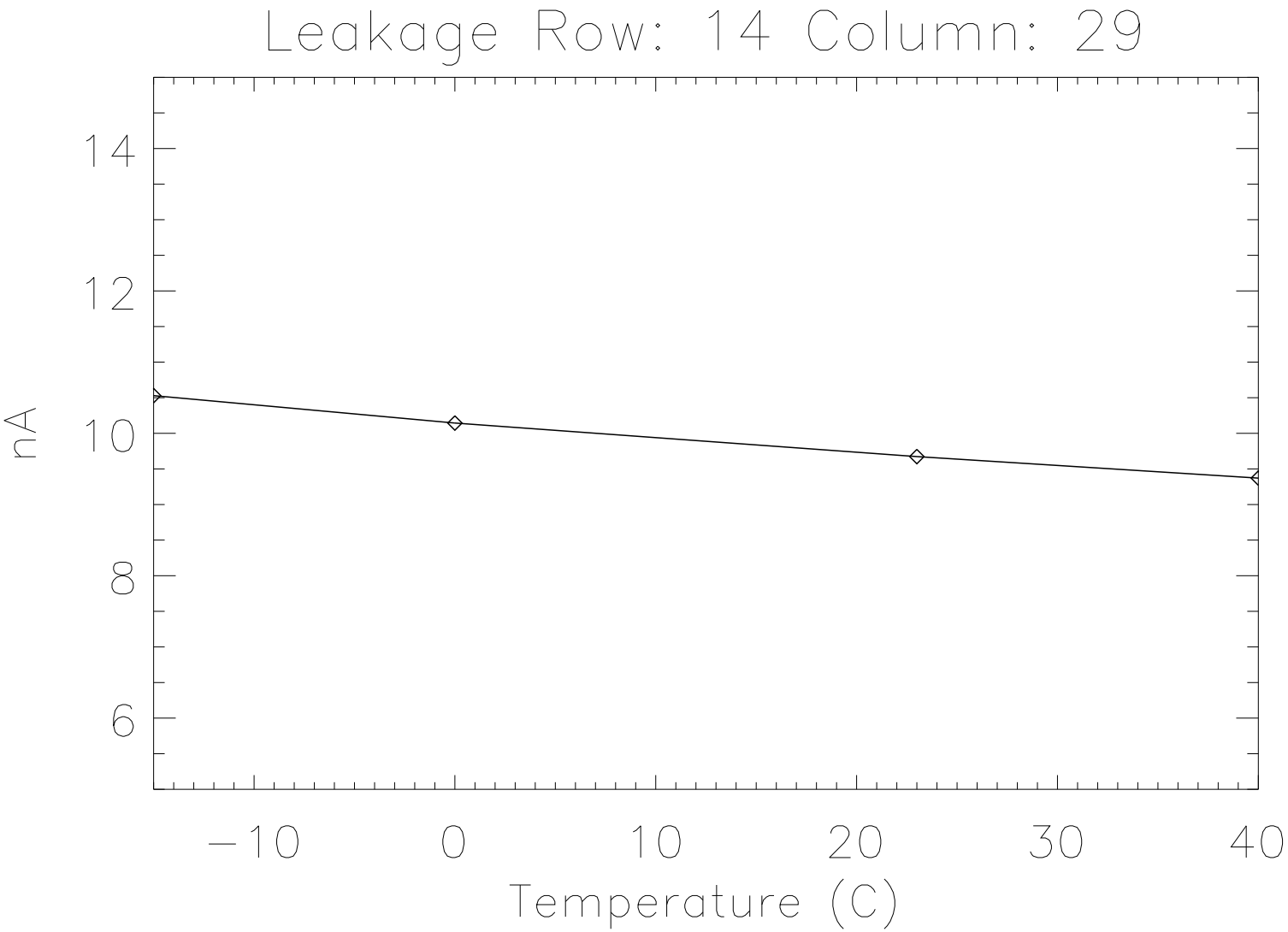
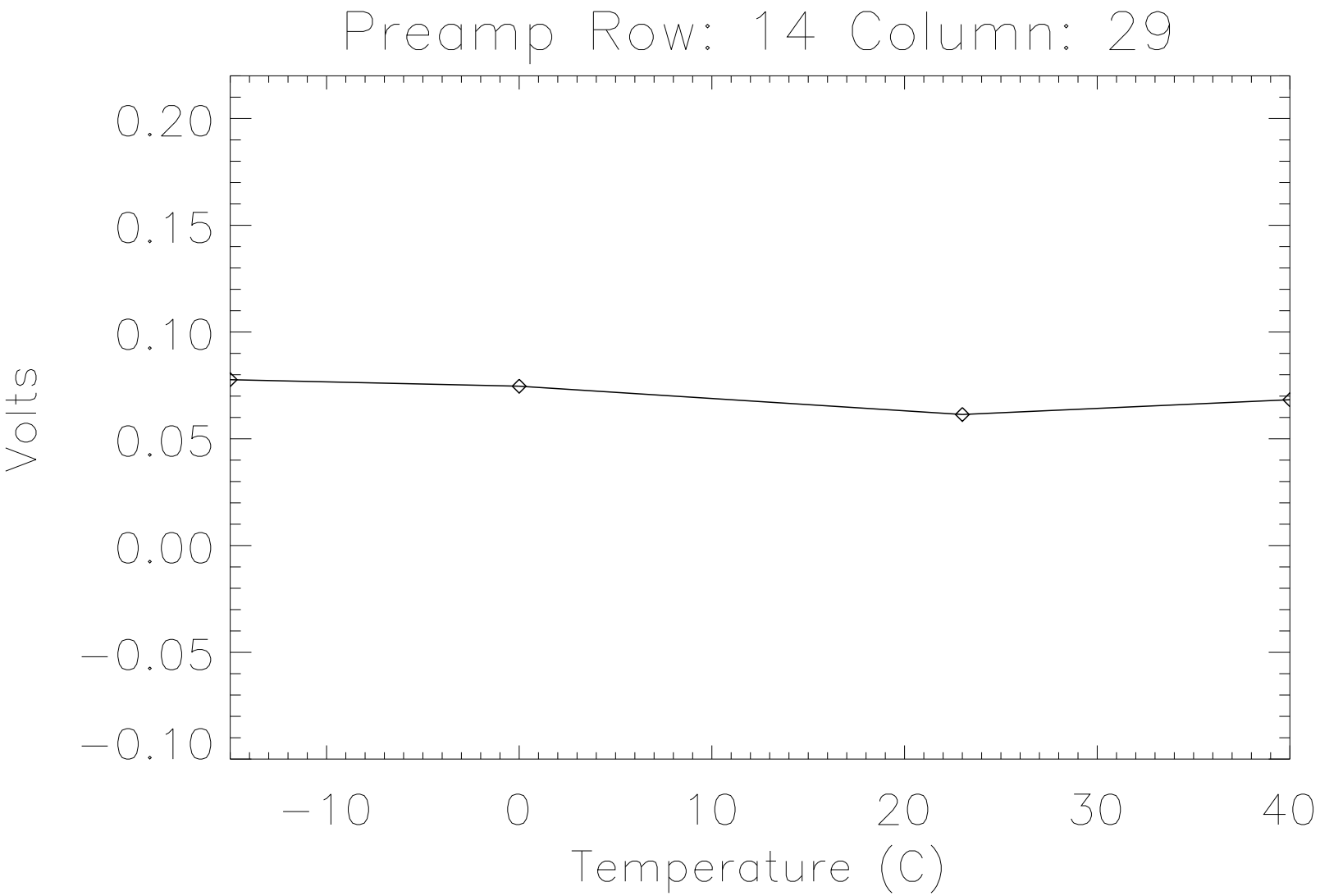
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 14 Column: 29
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 14 Column: 29
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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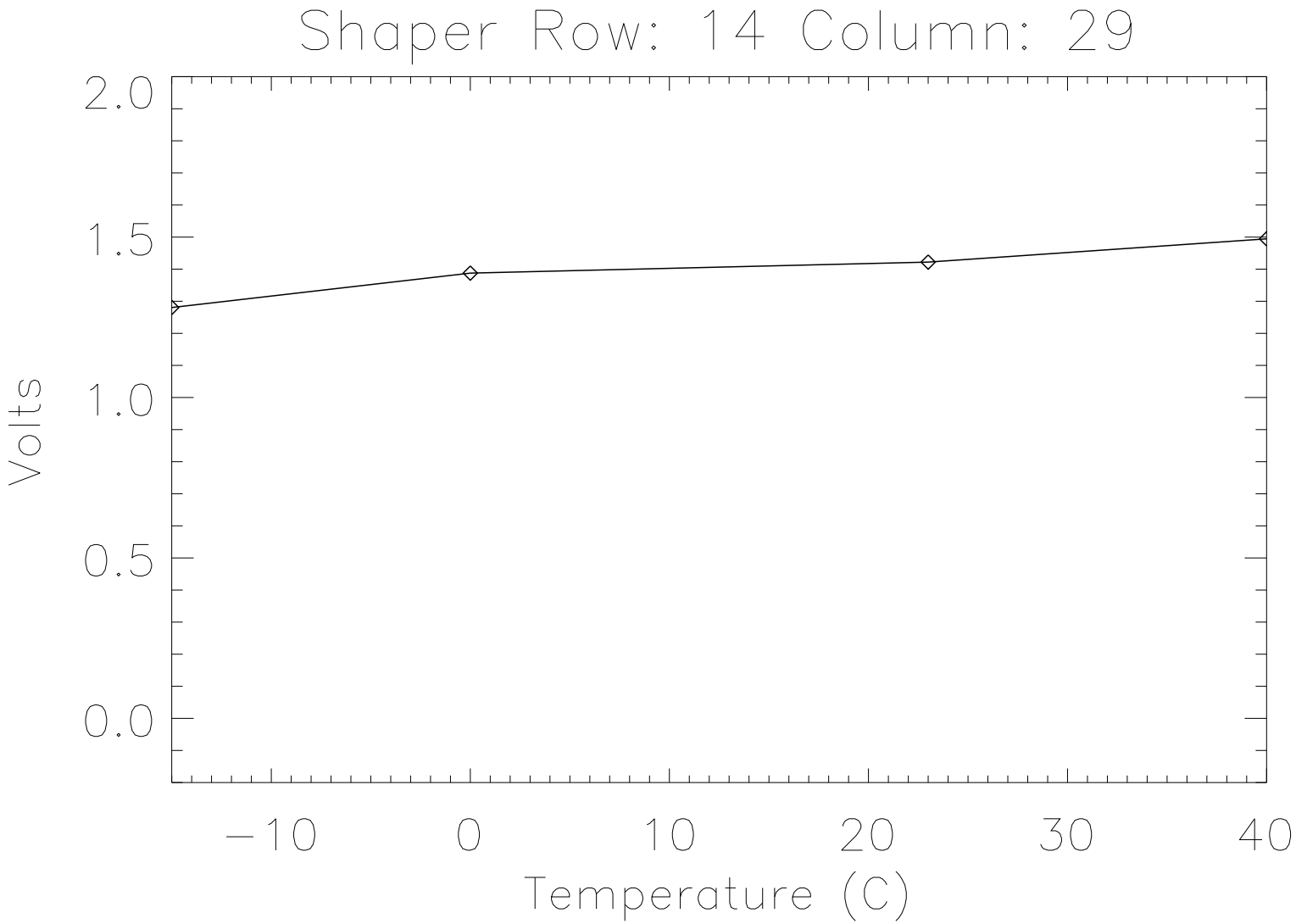
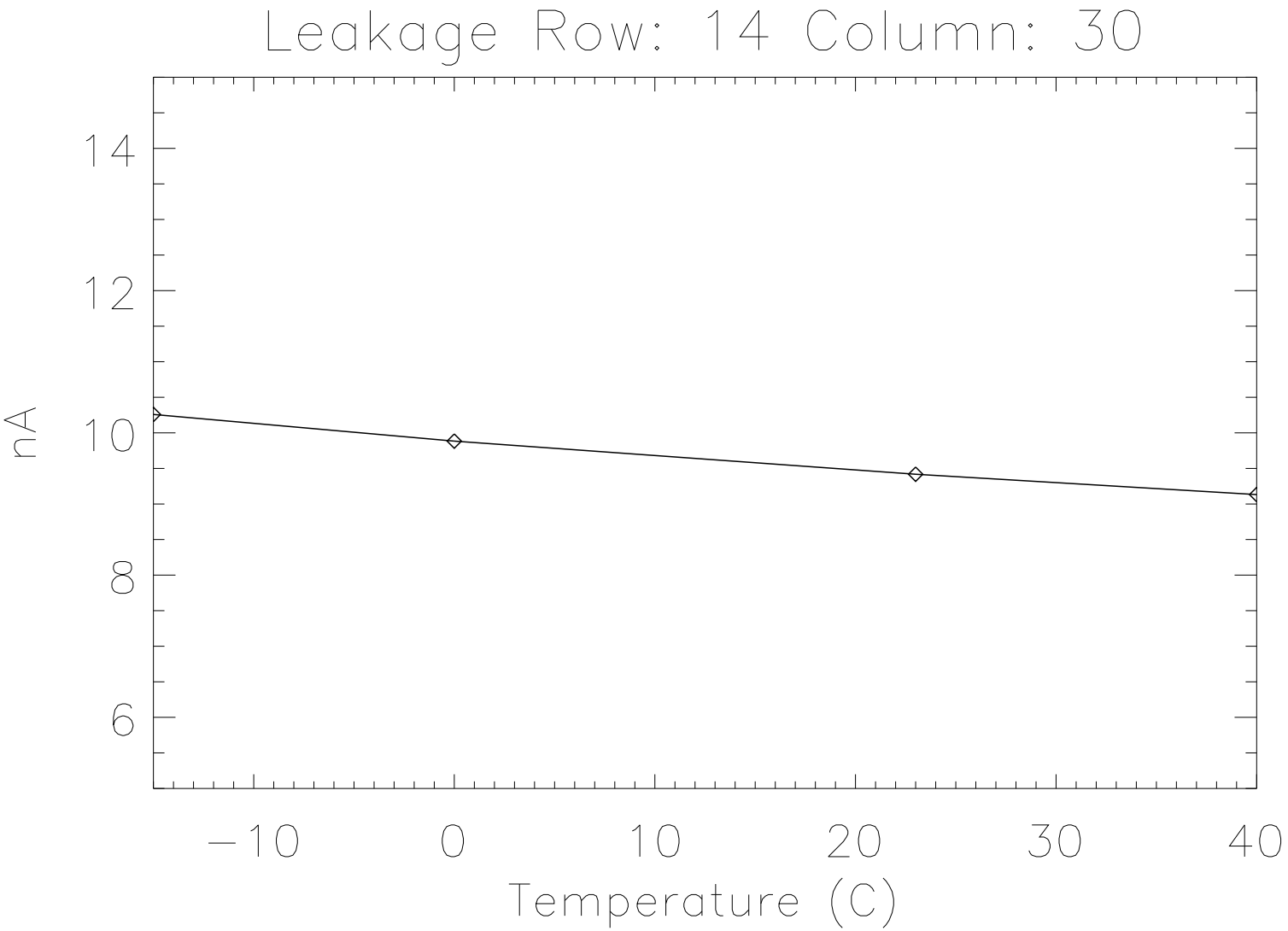
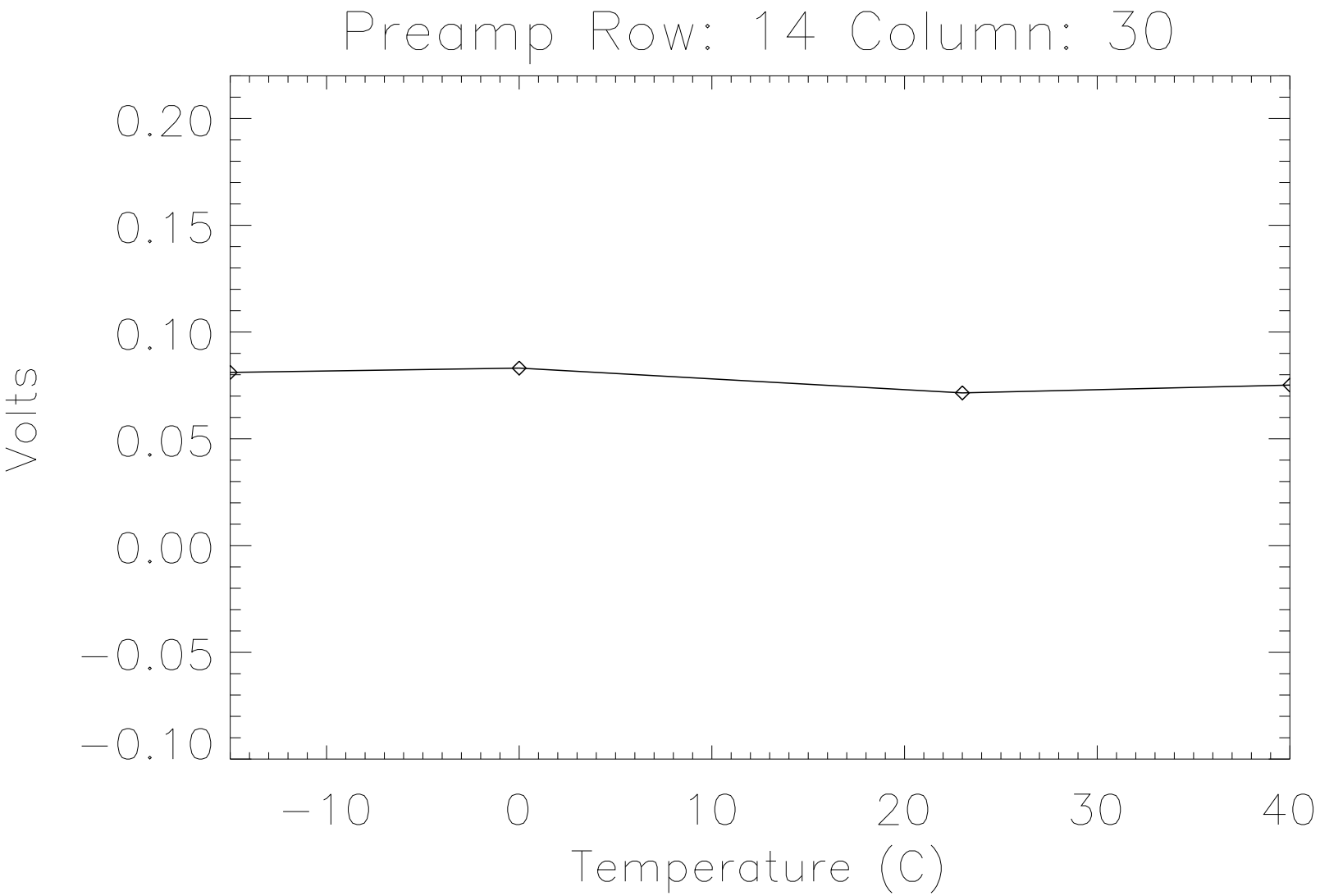
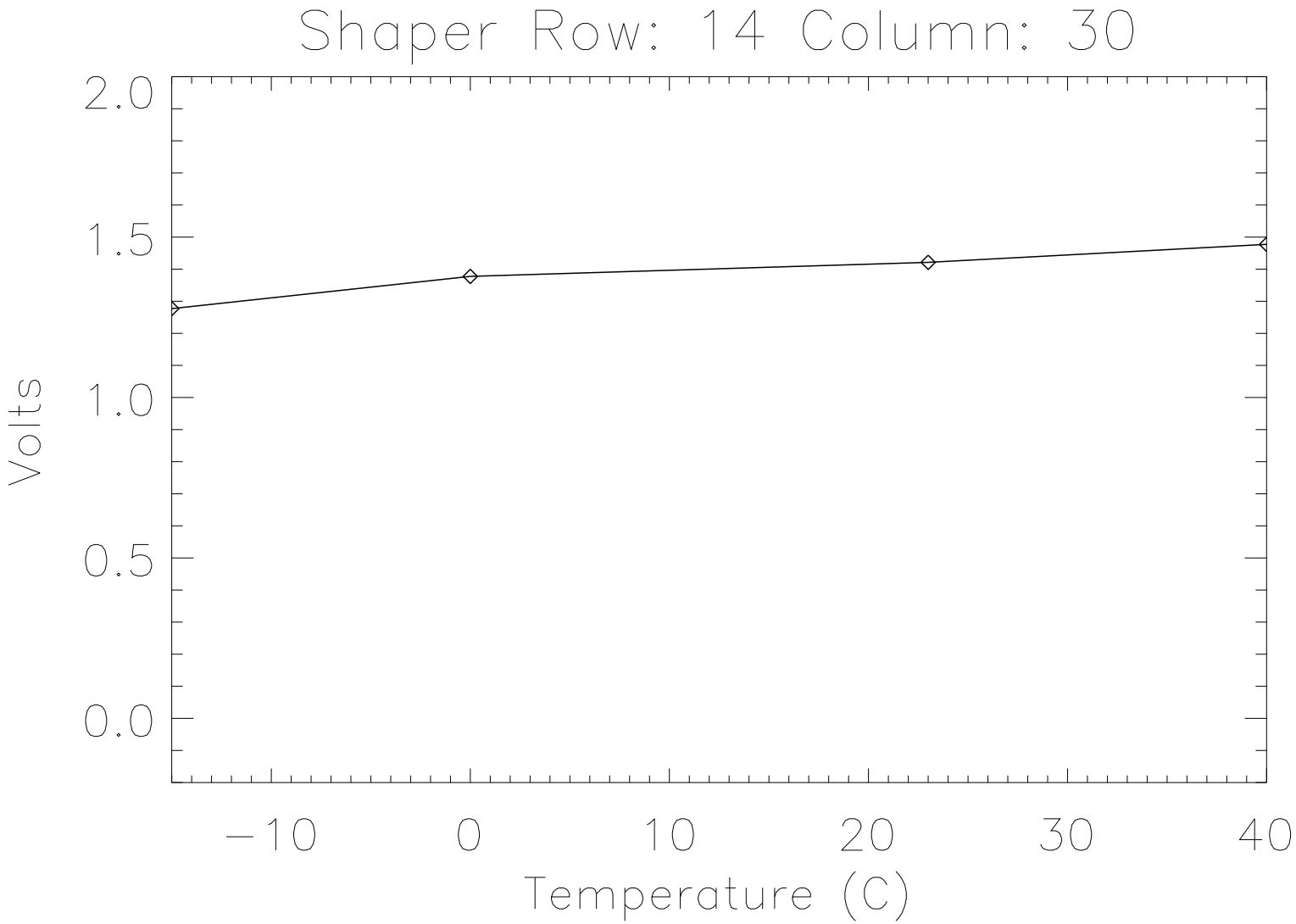
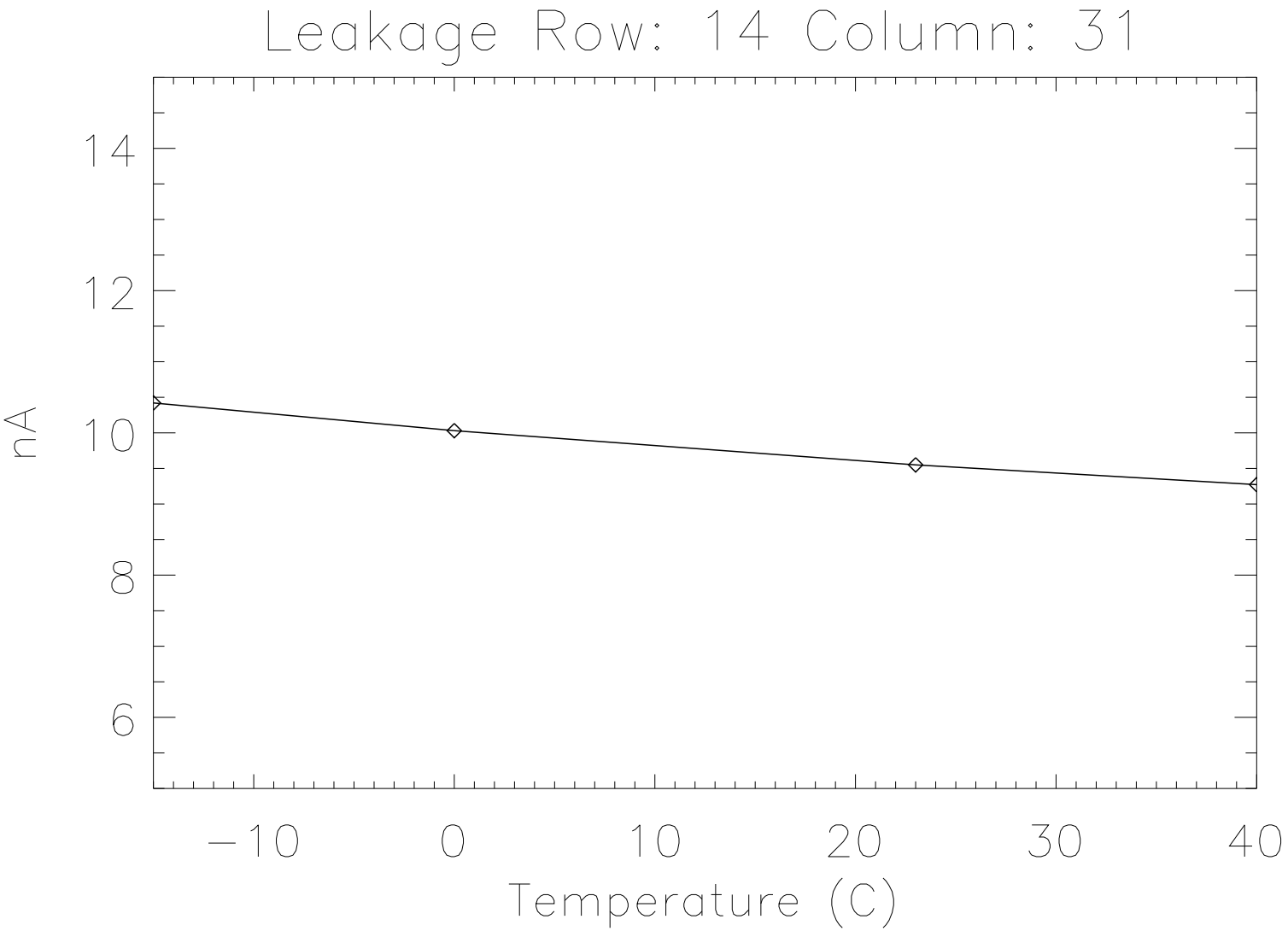
20
30
40
Temperature (C)

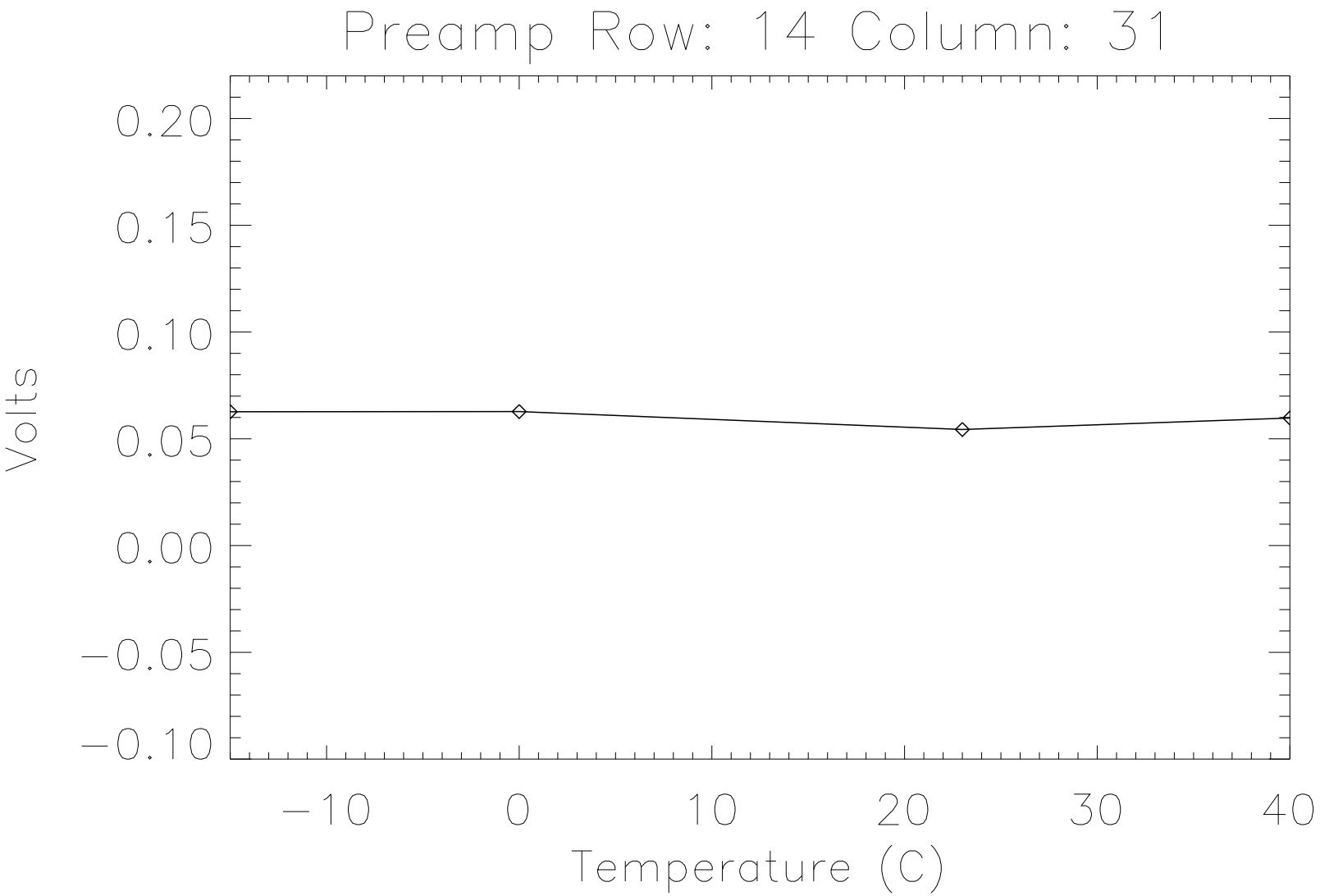

Shaper Row: 14 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

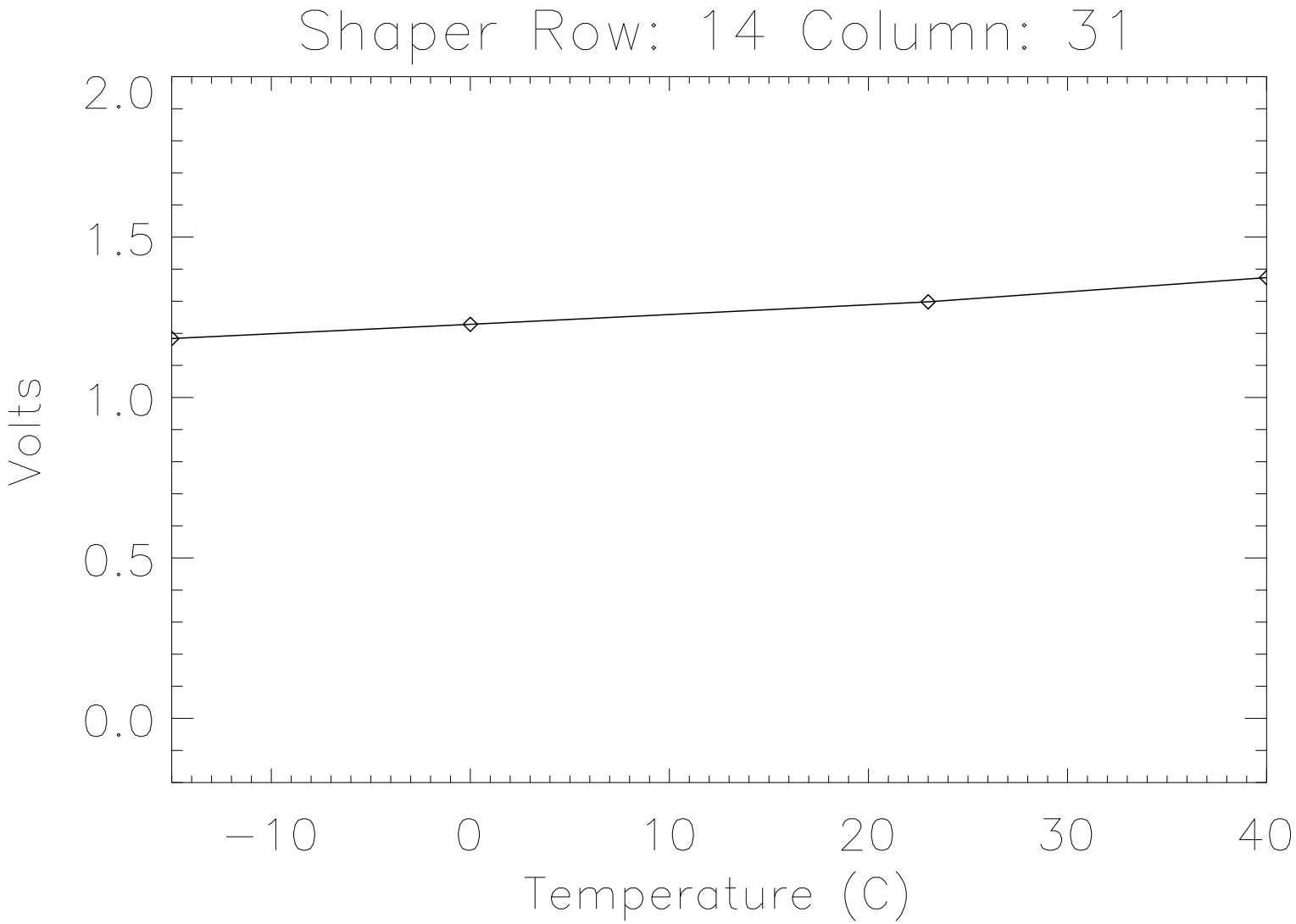

Leakage Row: 14 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

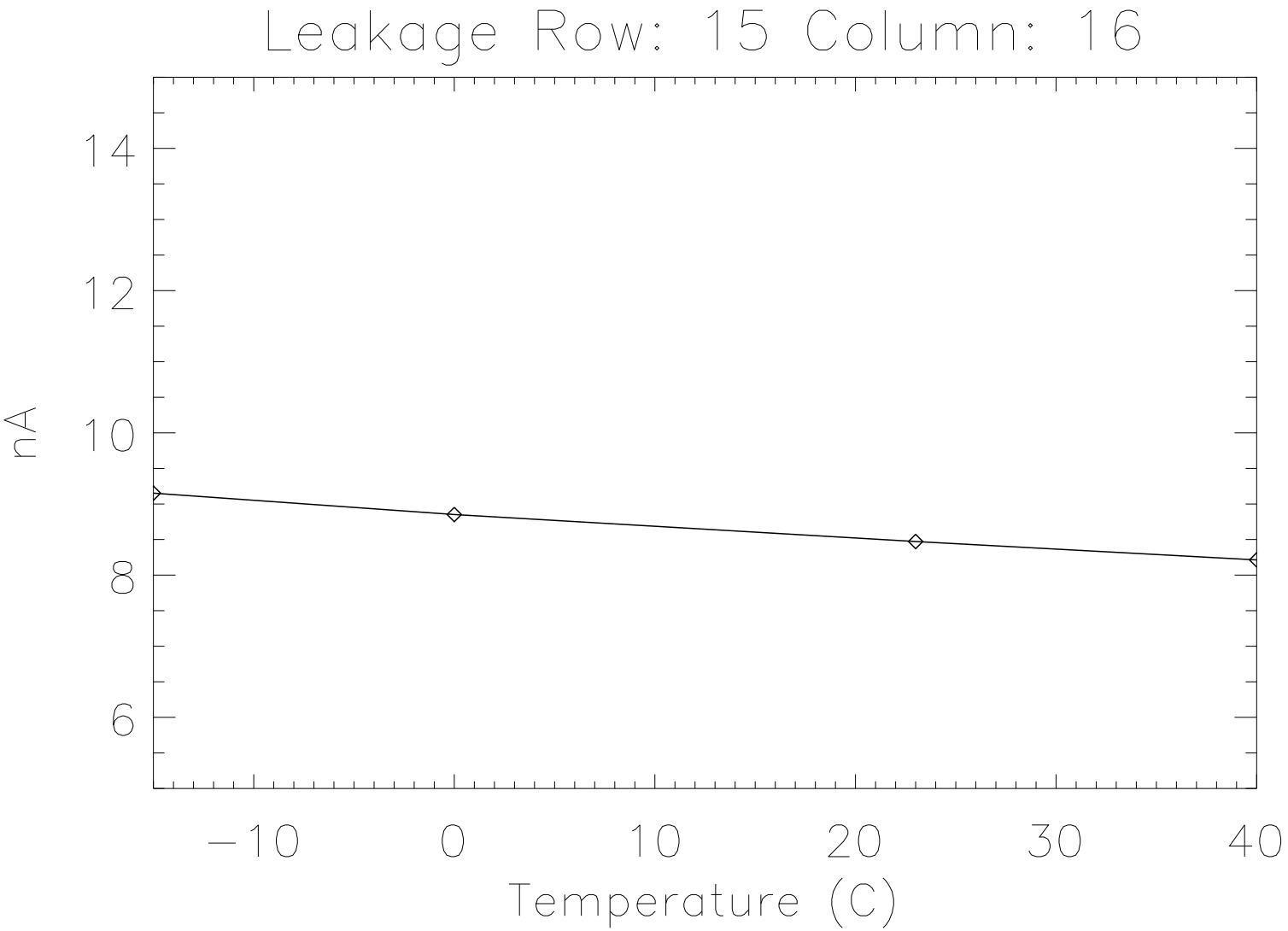

Preamp Row: 14 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

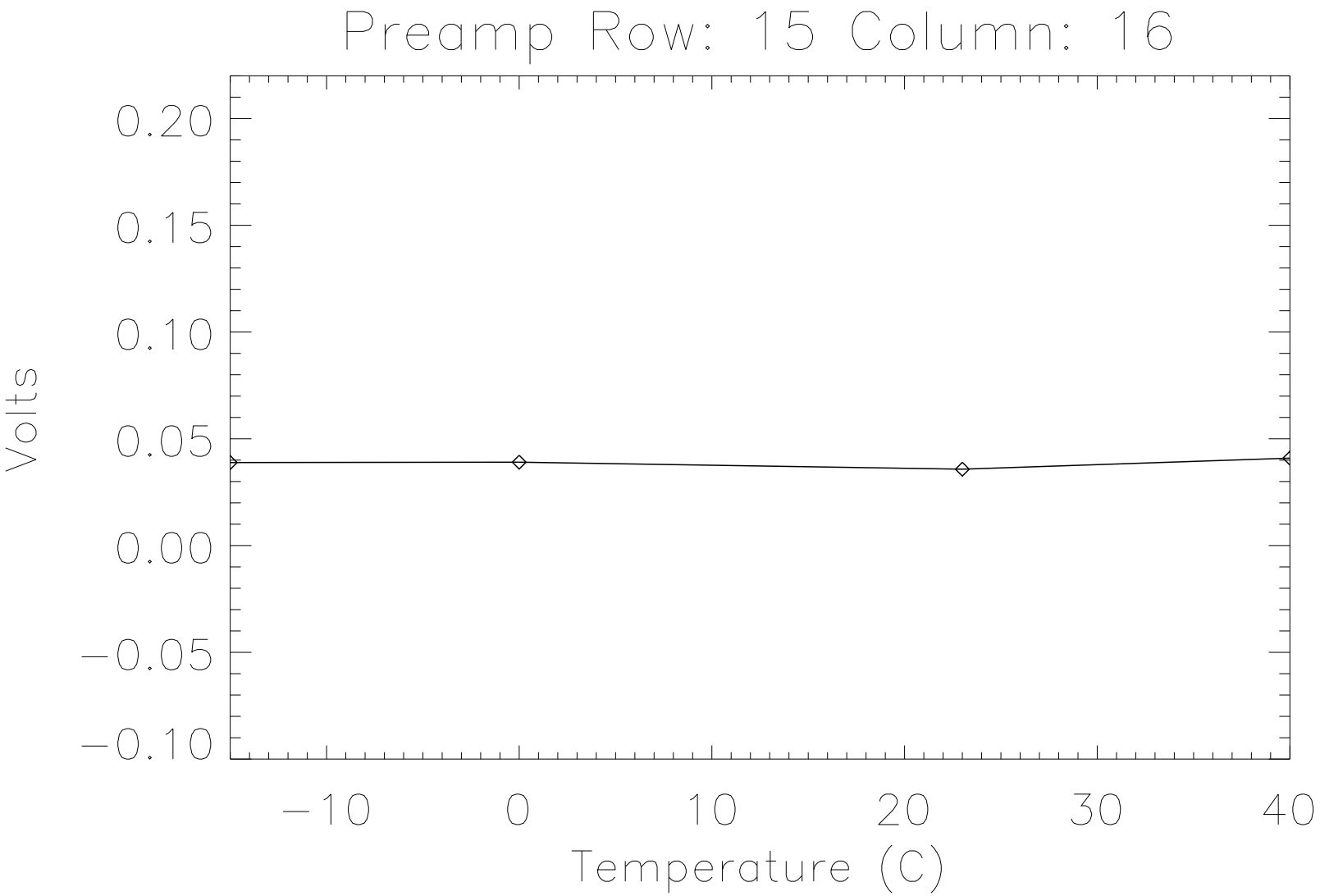

Shaper Row: 14 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

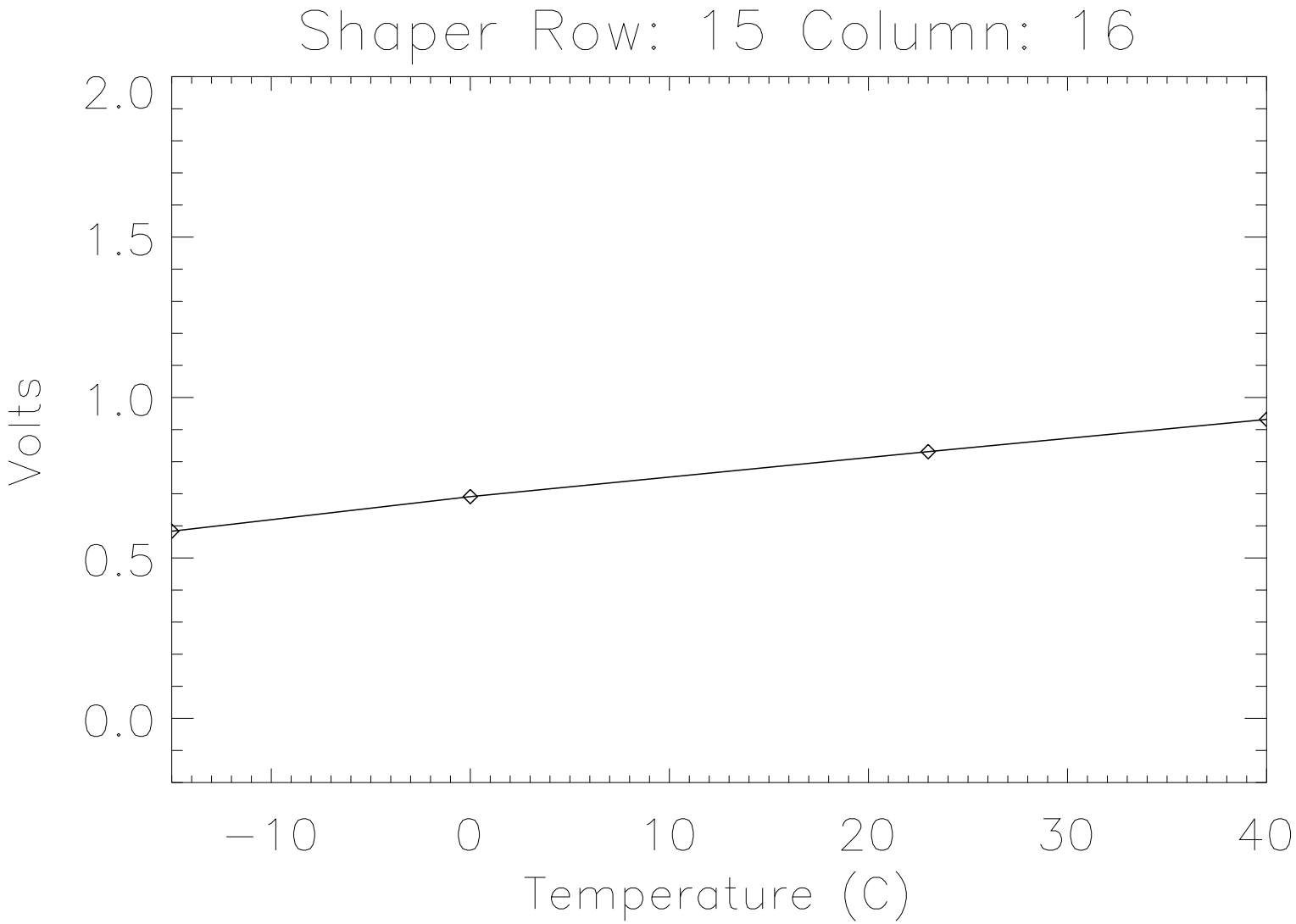

Leakage Row: 14 Column: 31
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

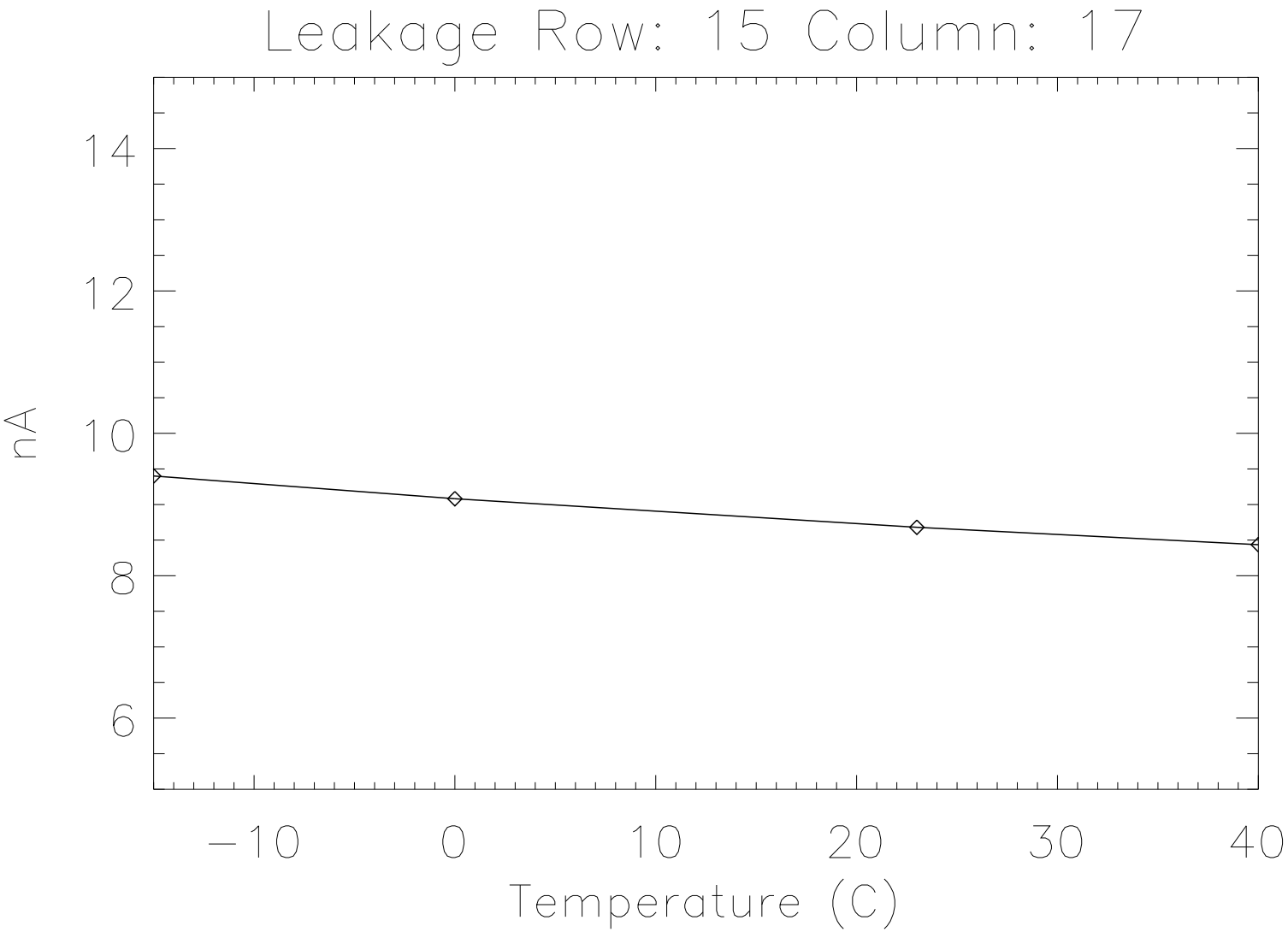

Preamp Row: 14 Column: 31
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

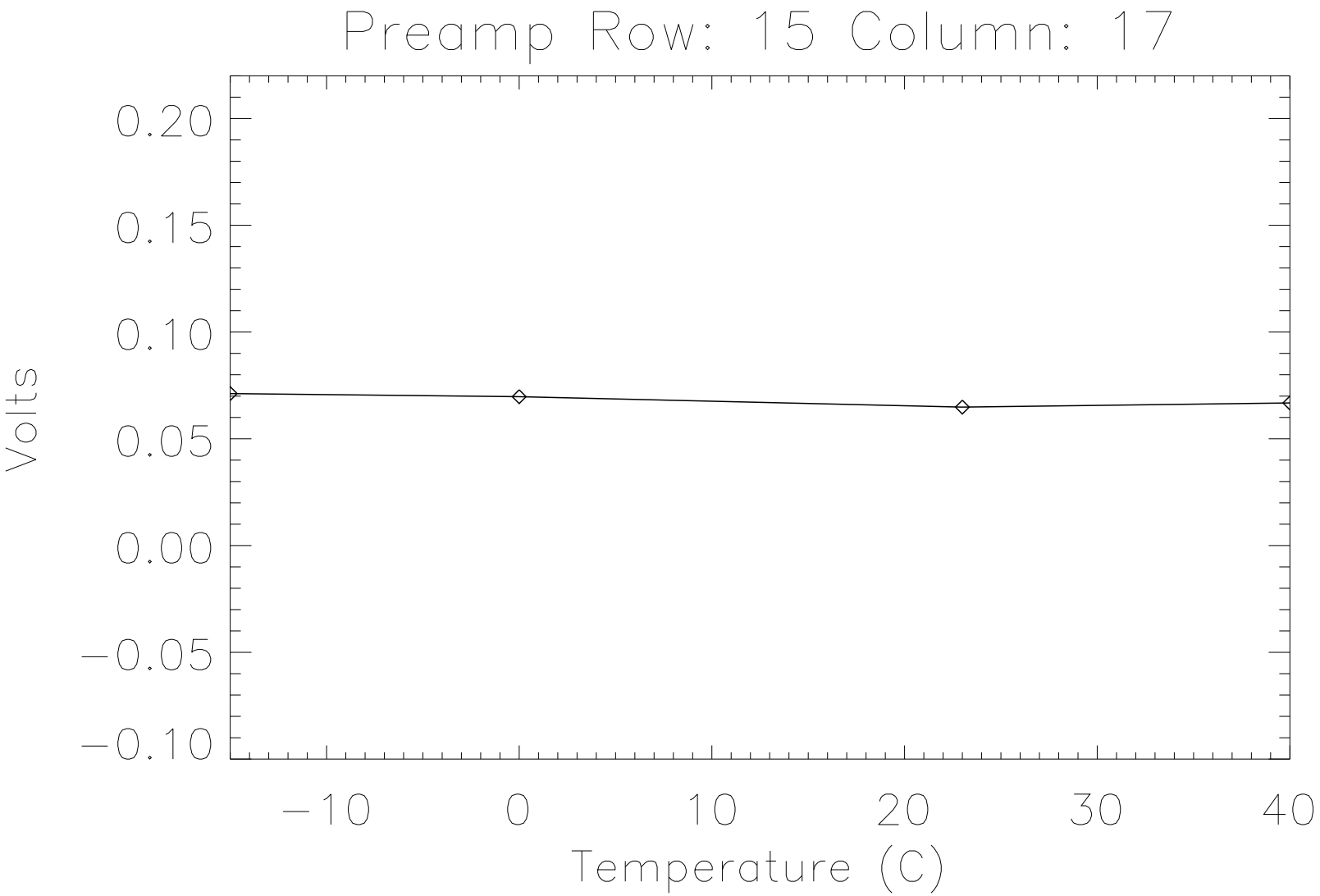

Shaper Row: 14 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

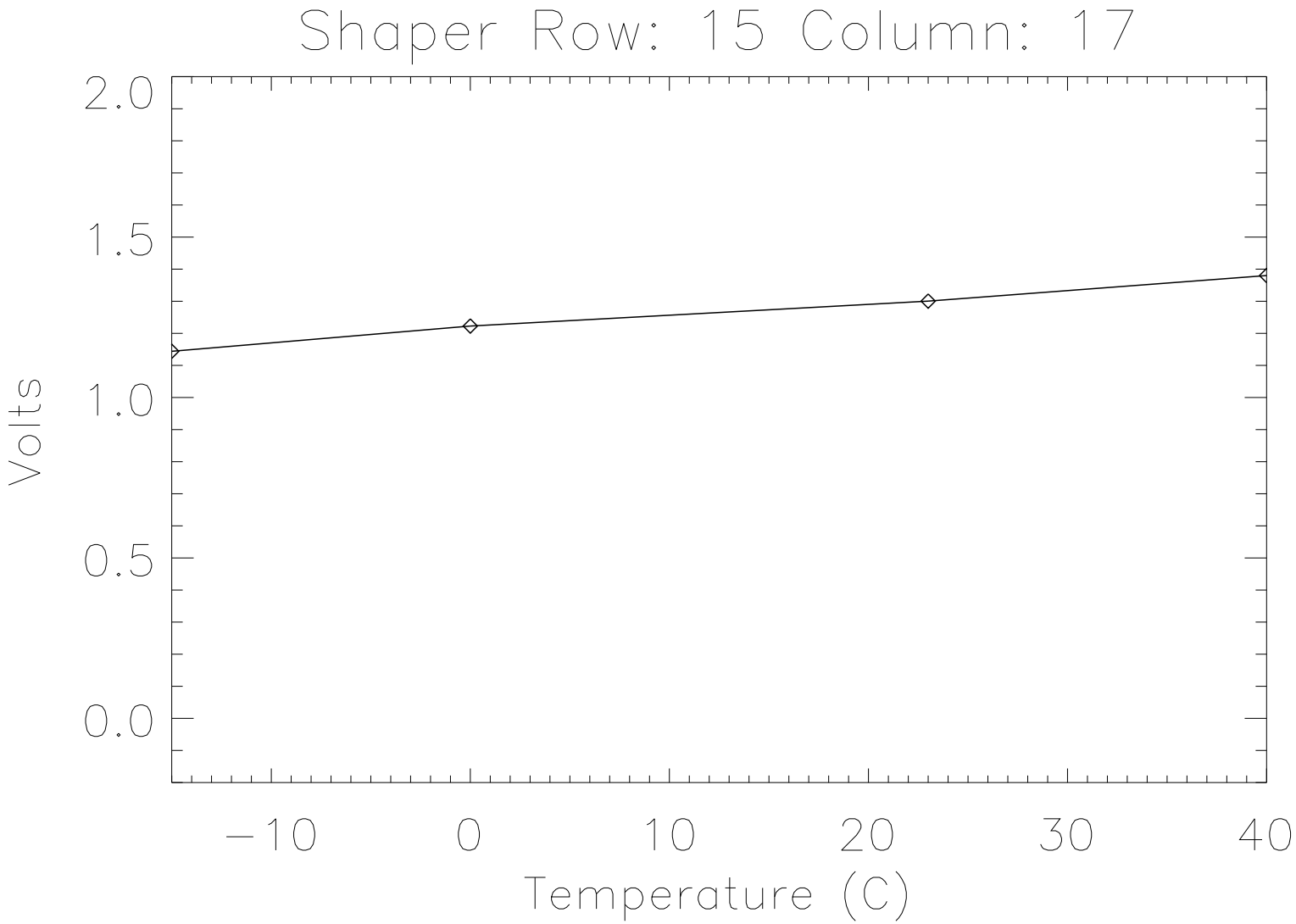

Leakage Row: 15 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

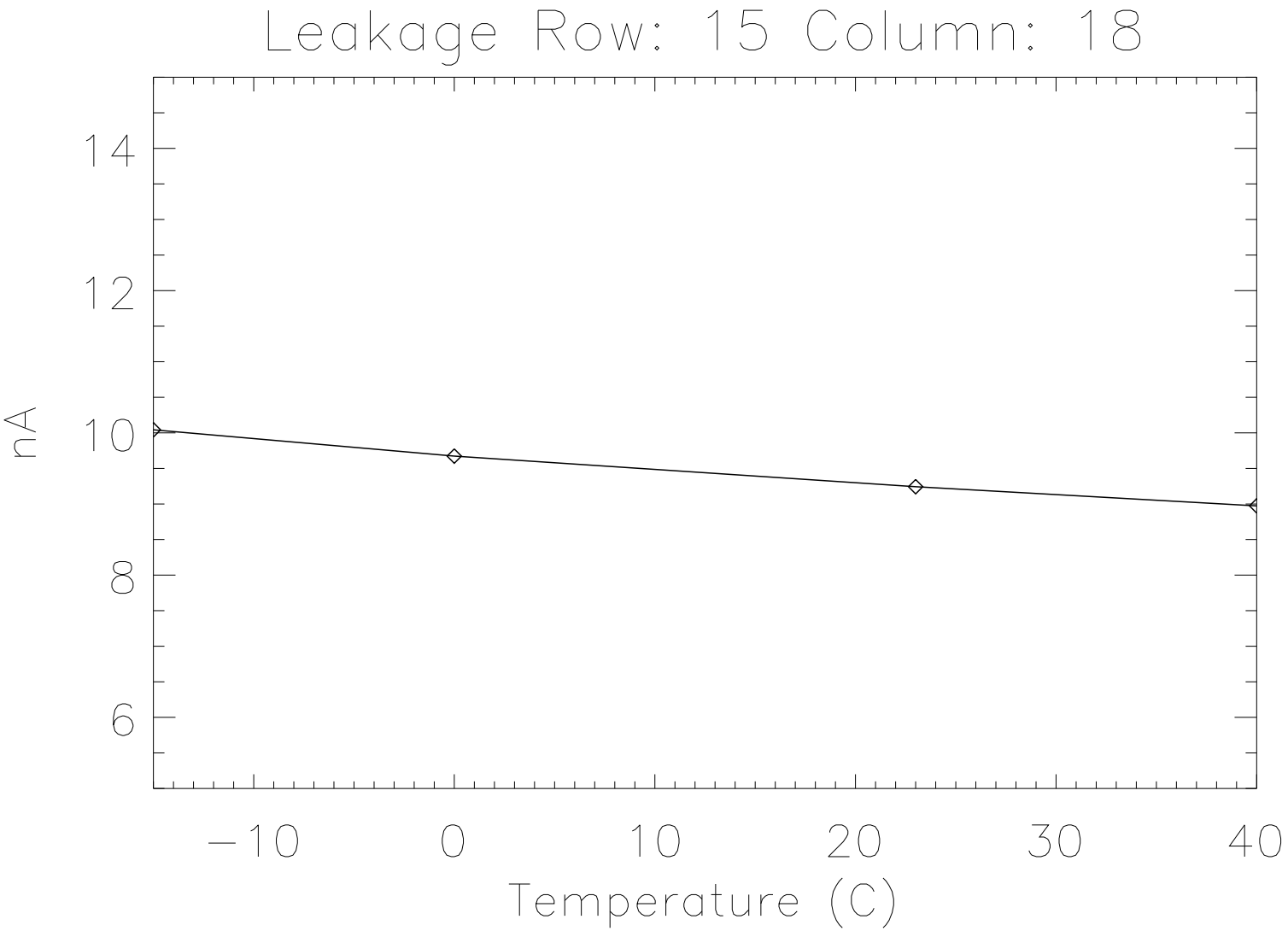

Preamp Row: 15 Column: 16
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

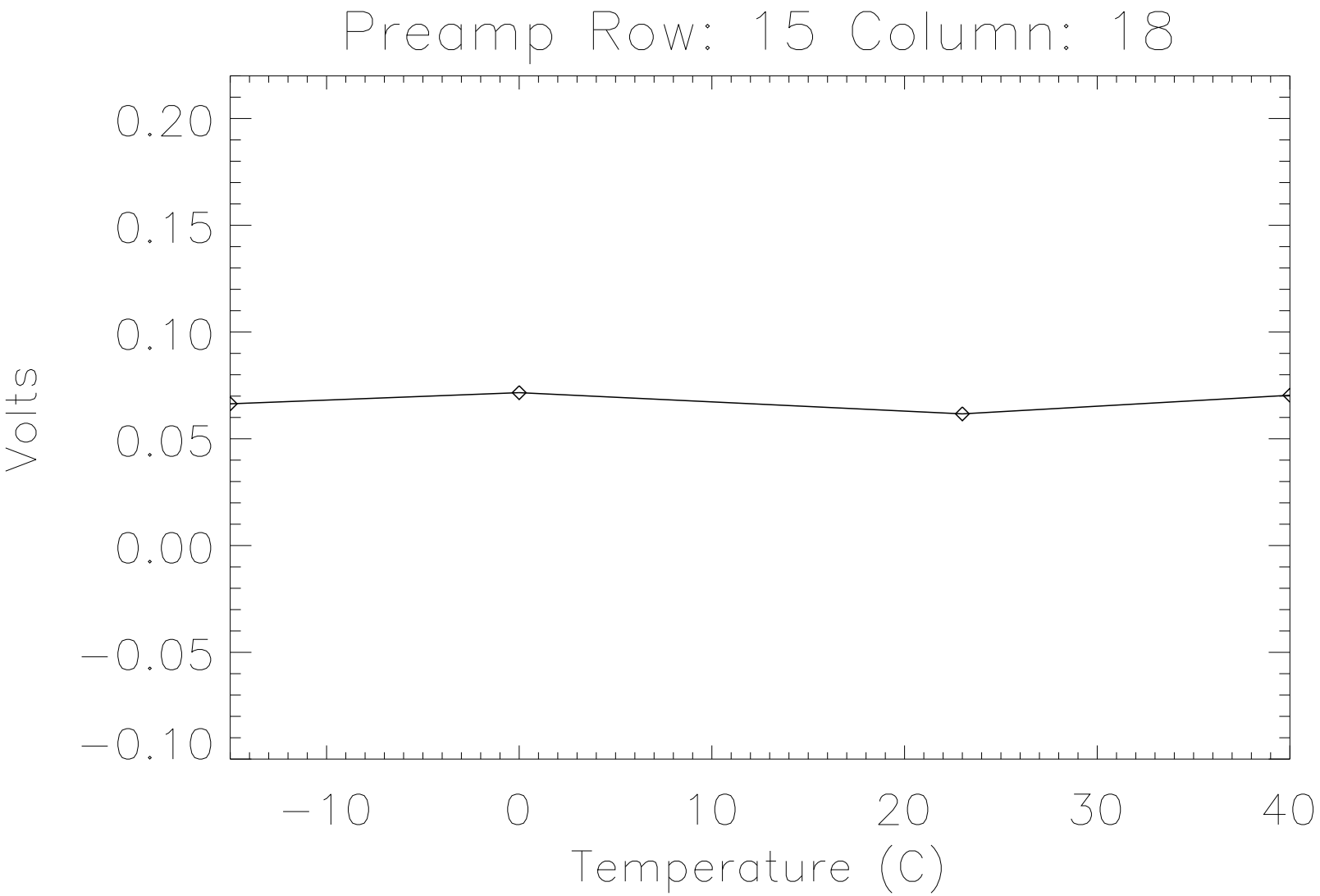

Shaper Row: 15 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

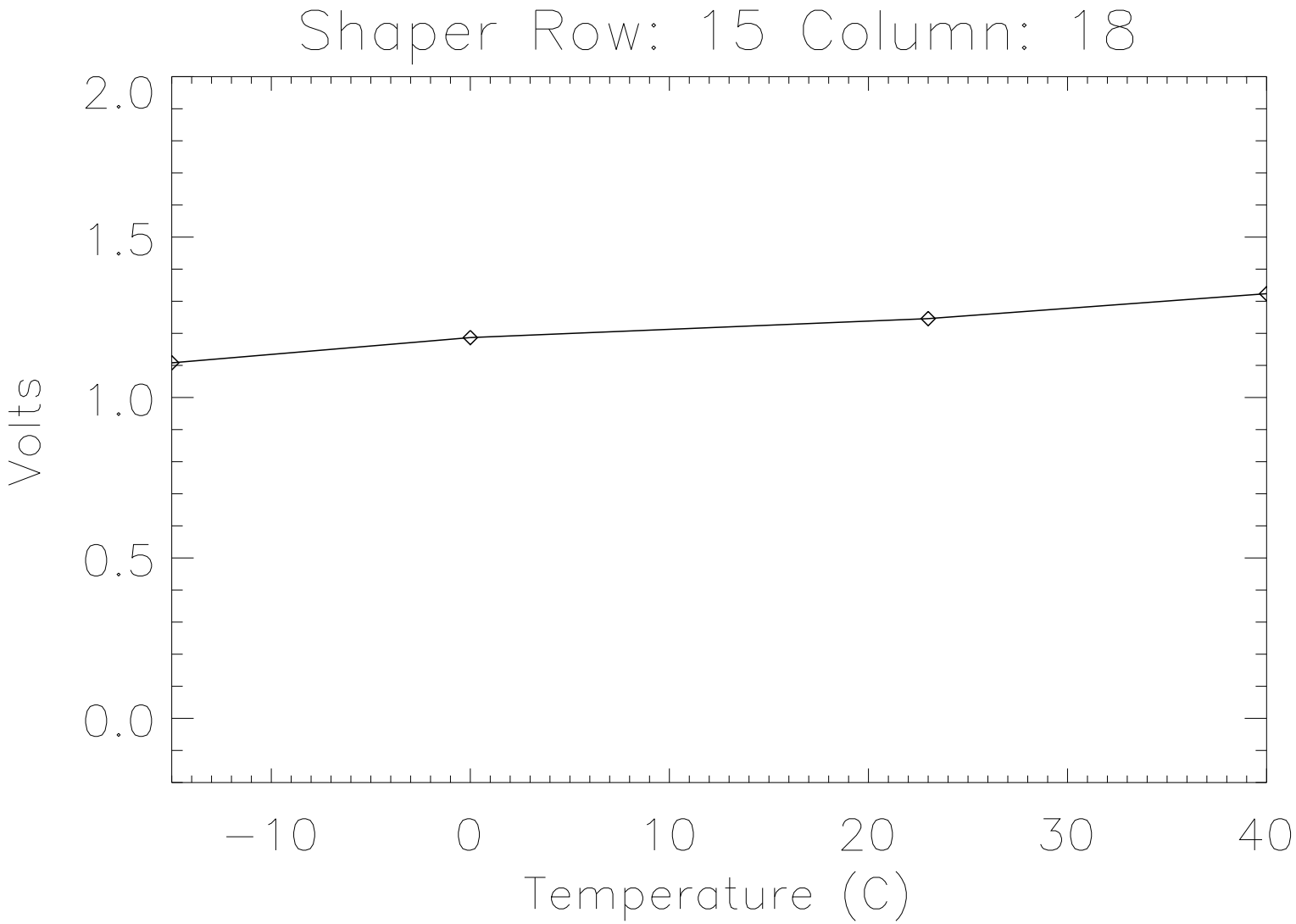

Leakage Row: 15 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

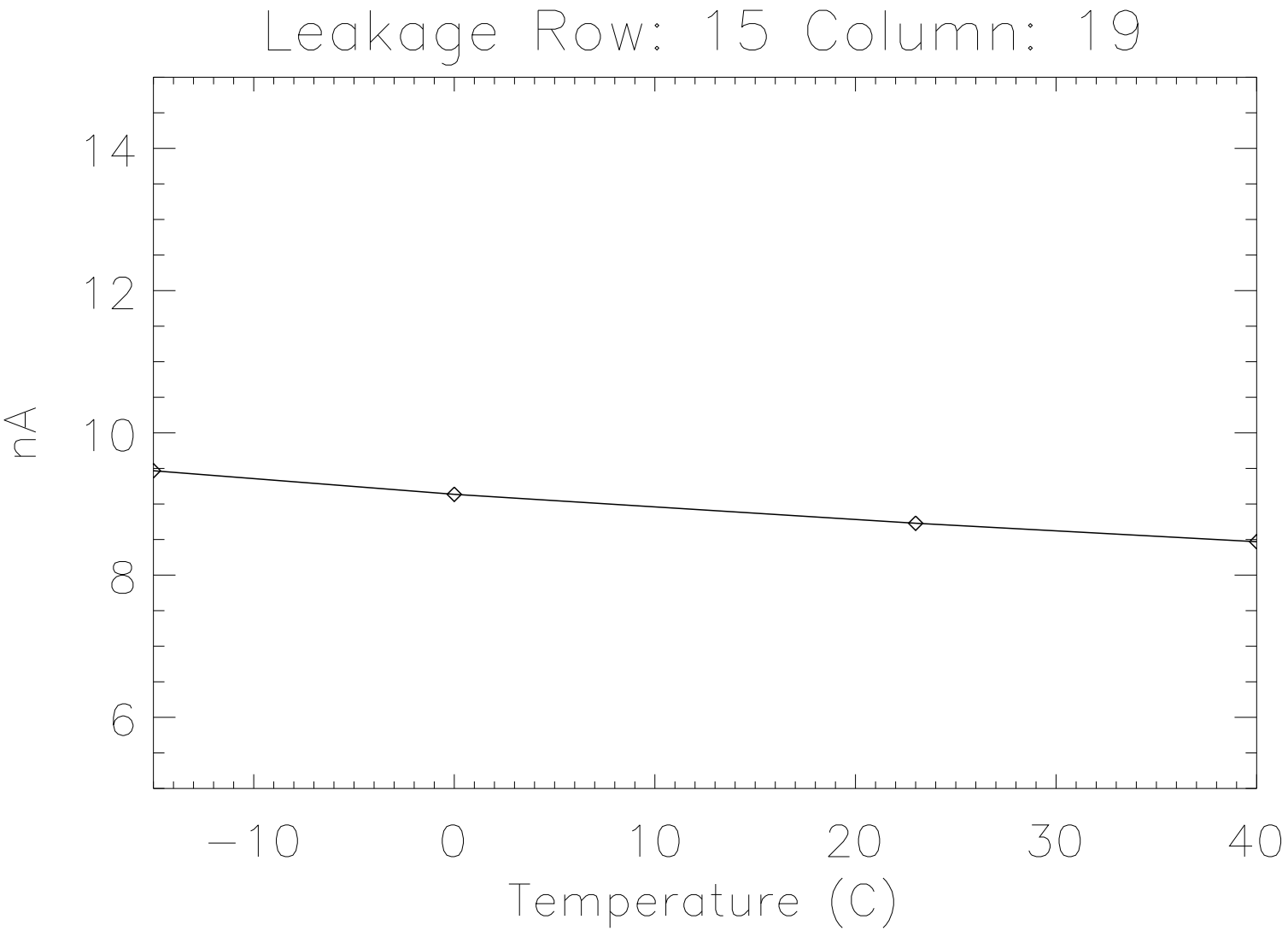

Preamp Row: 15 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

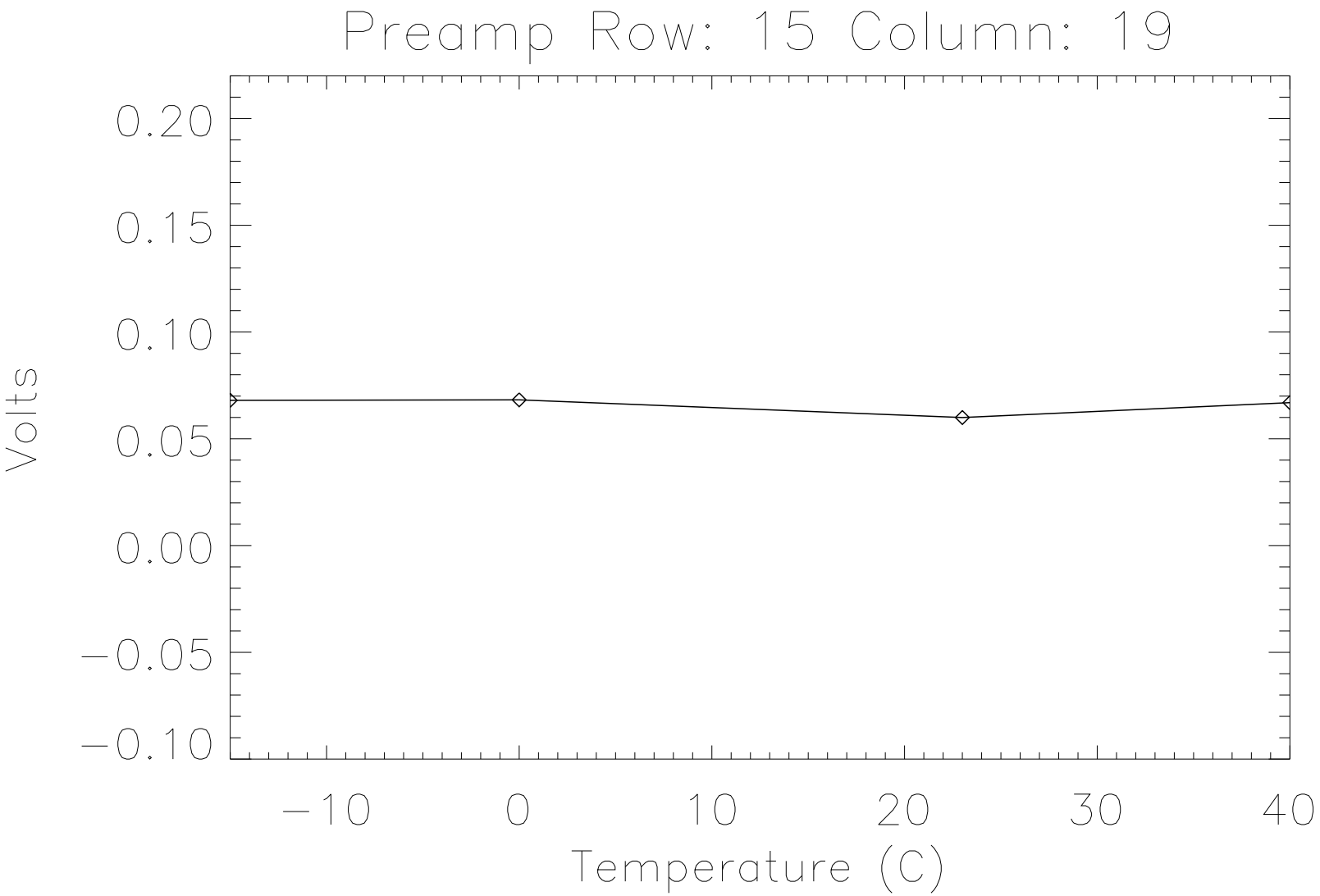

Shaper Row: 15 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

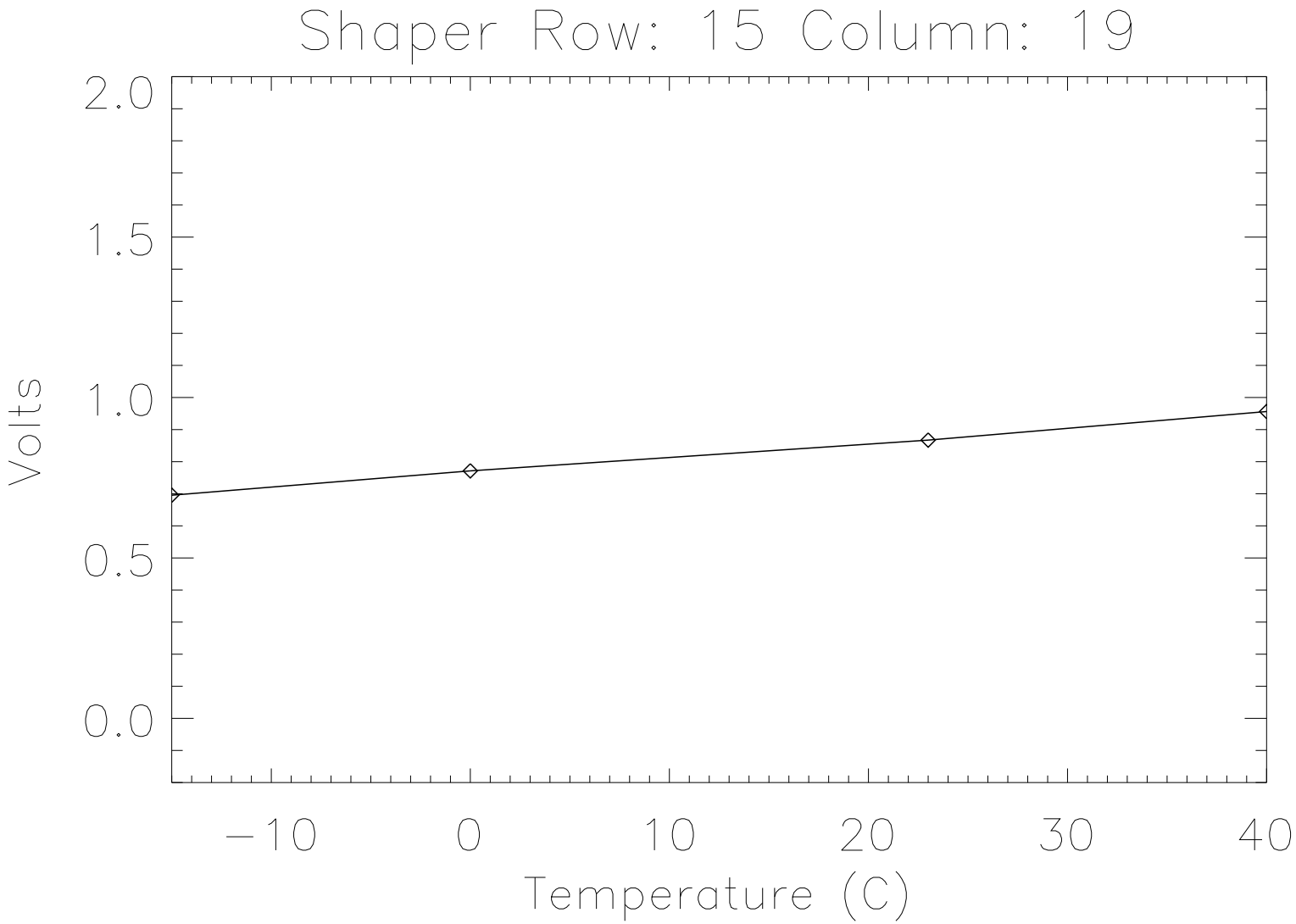

Leakage Row: 15 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

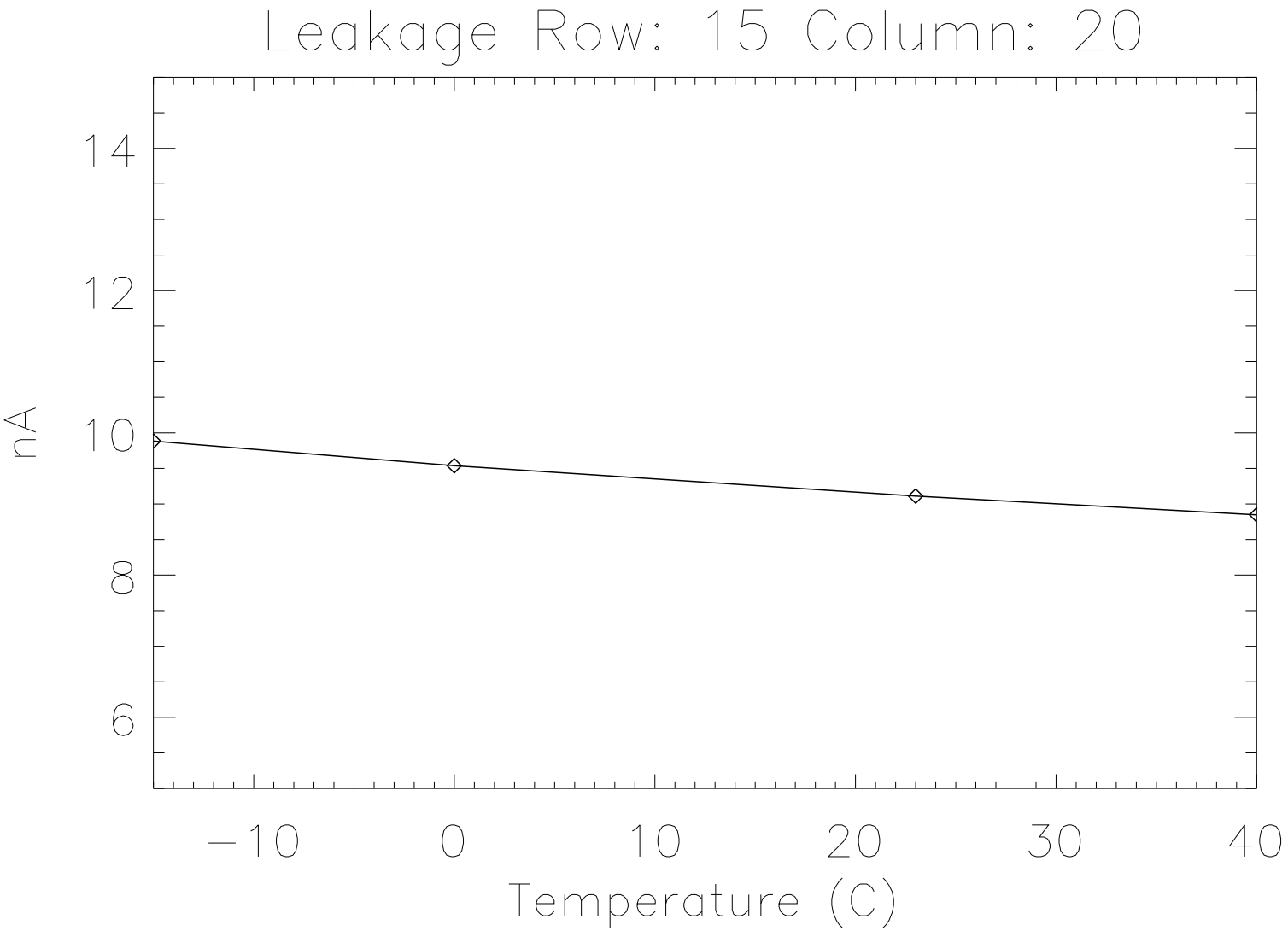

Preamp Row: 15 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

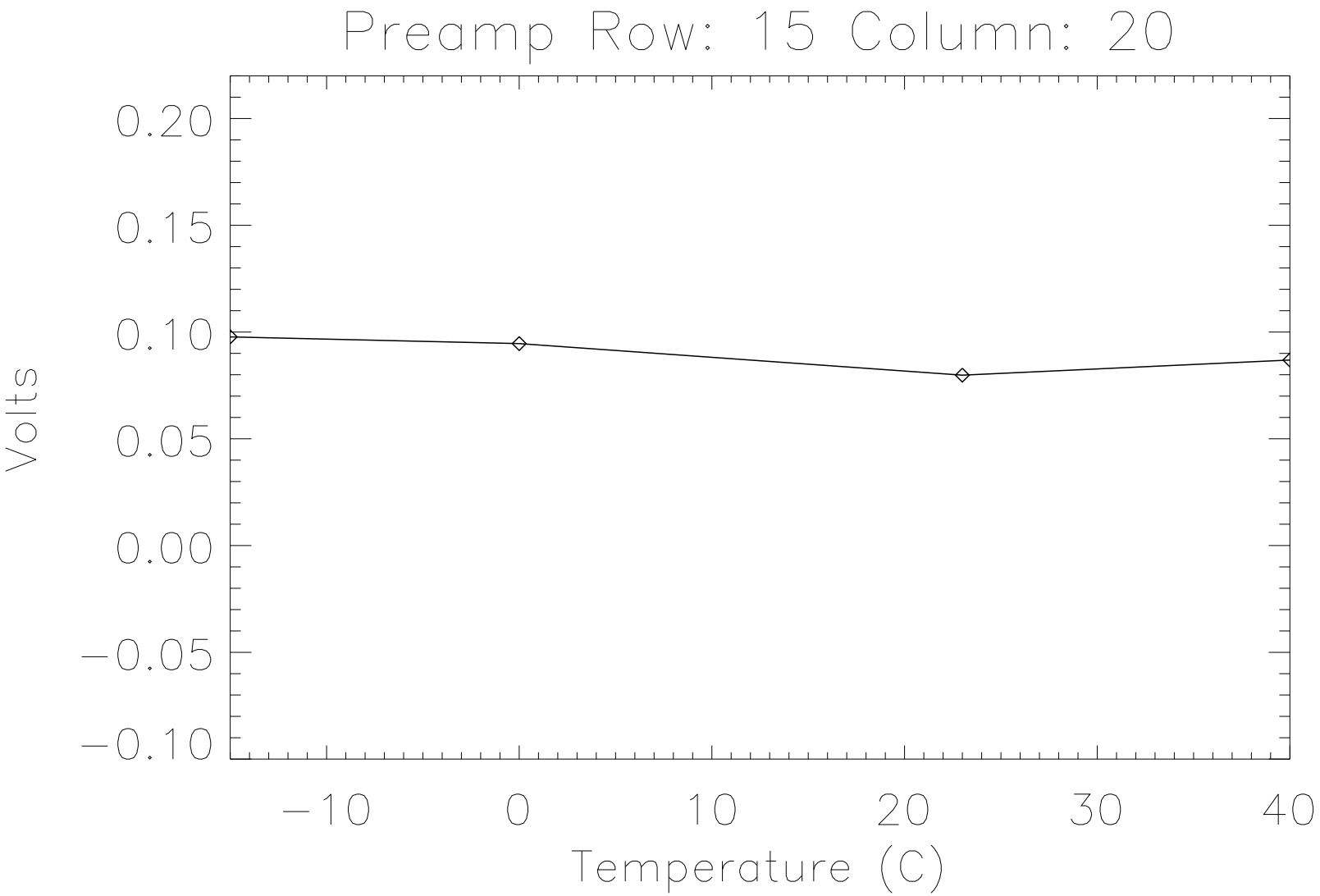

Shaper Row: 15 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

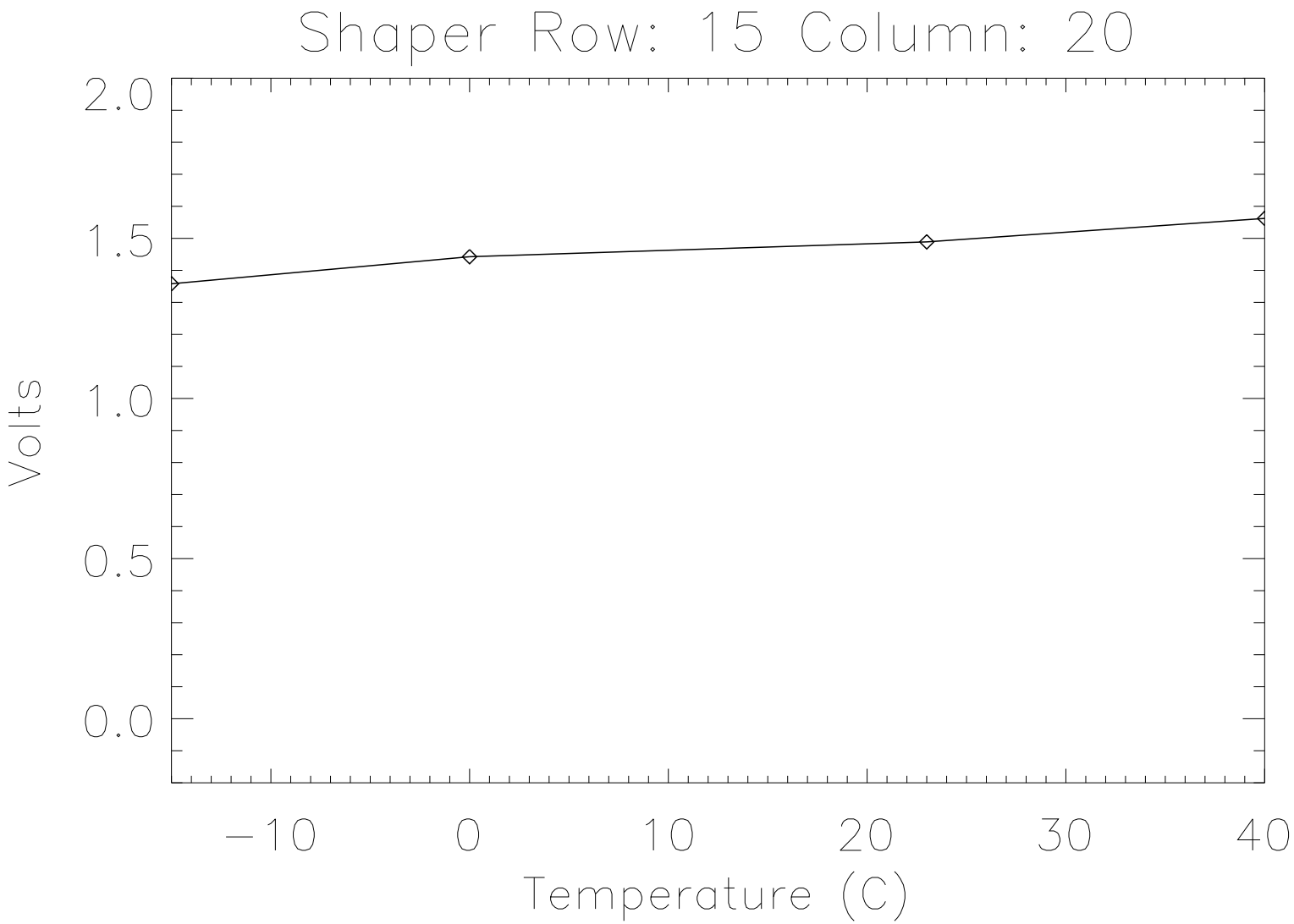

Leakage Row: 15 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

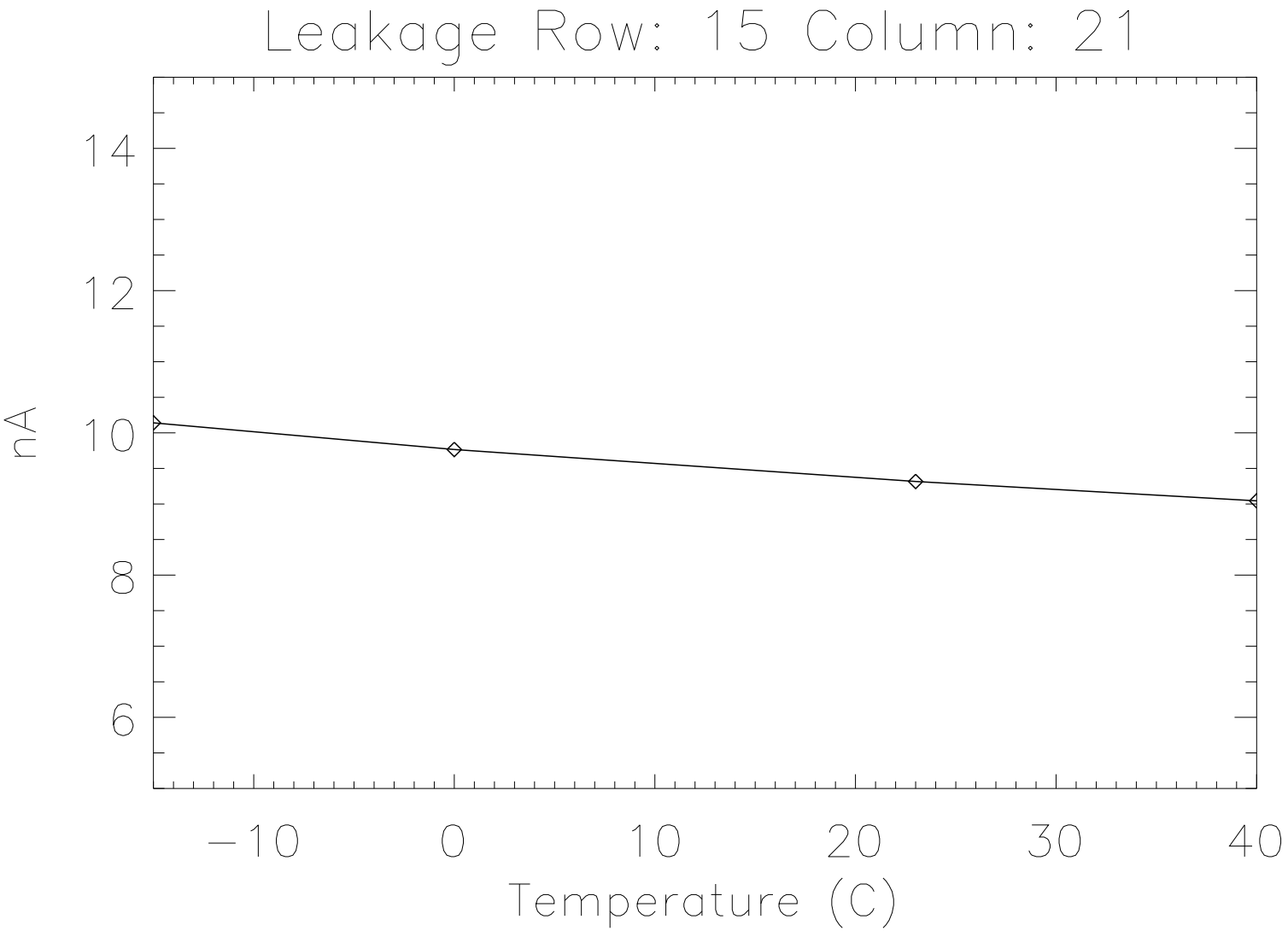

Preamp Row: 15 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

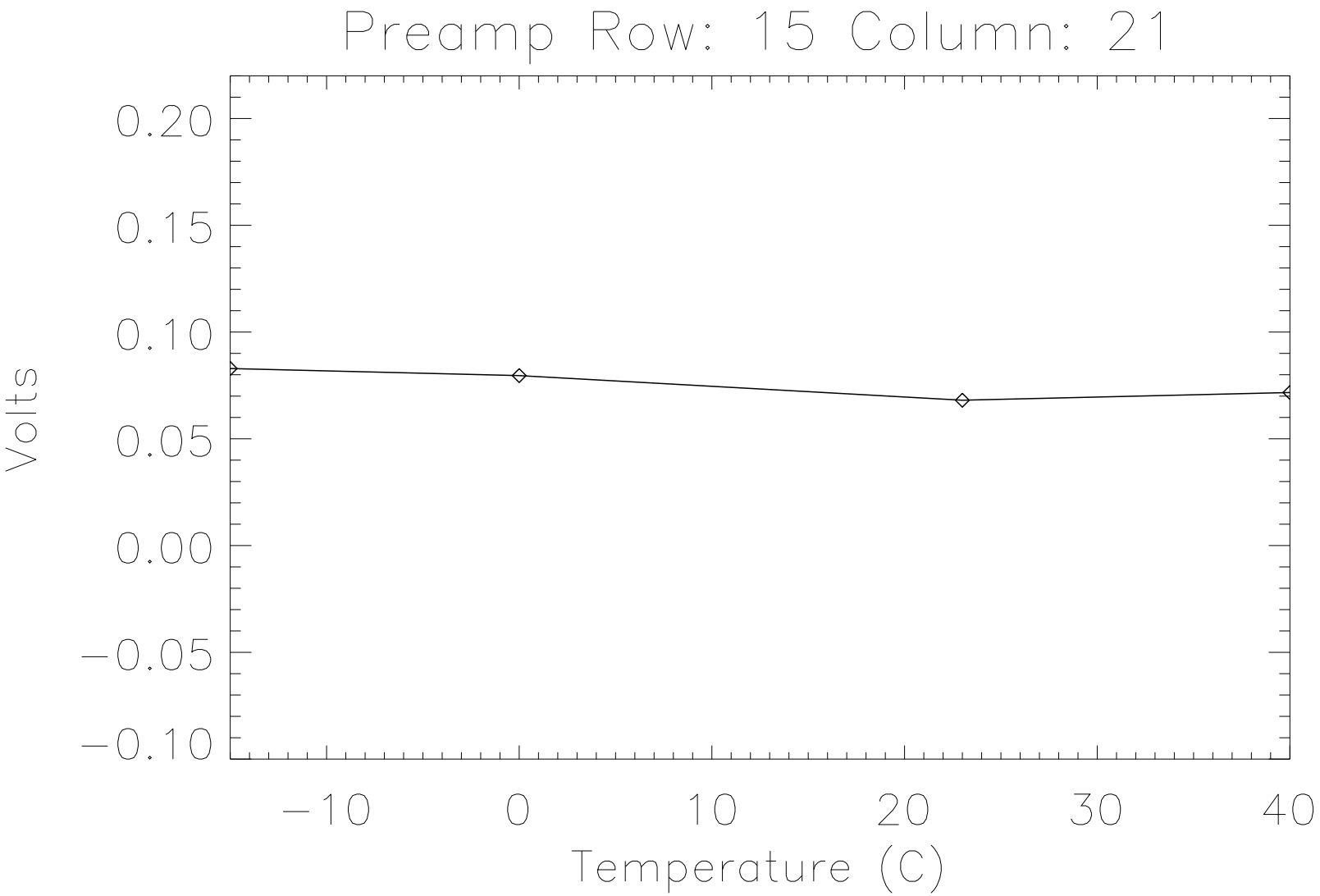

Shaper Row: 15 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

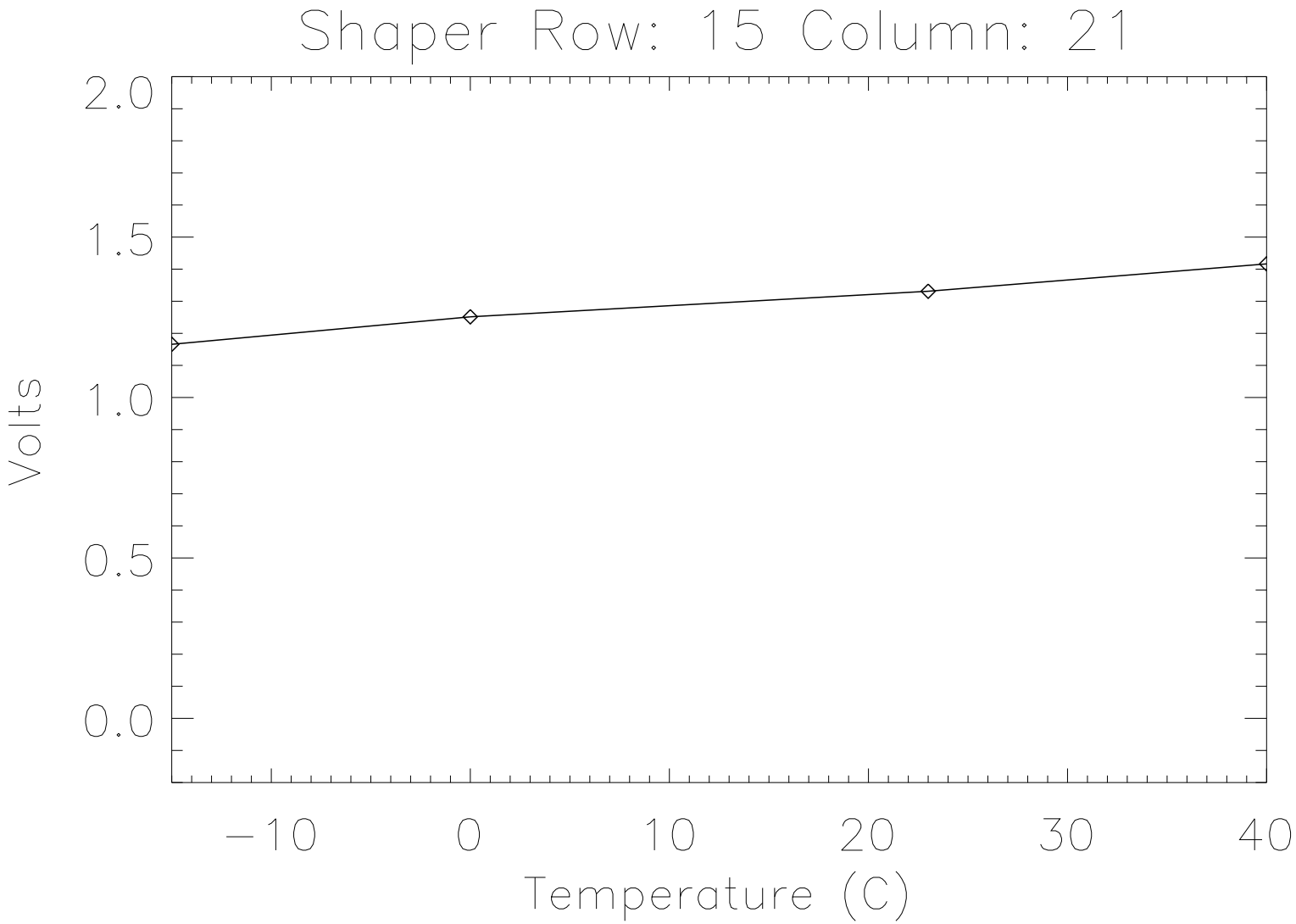

Leakage Row: 15 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

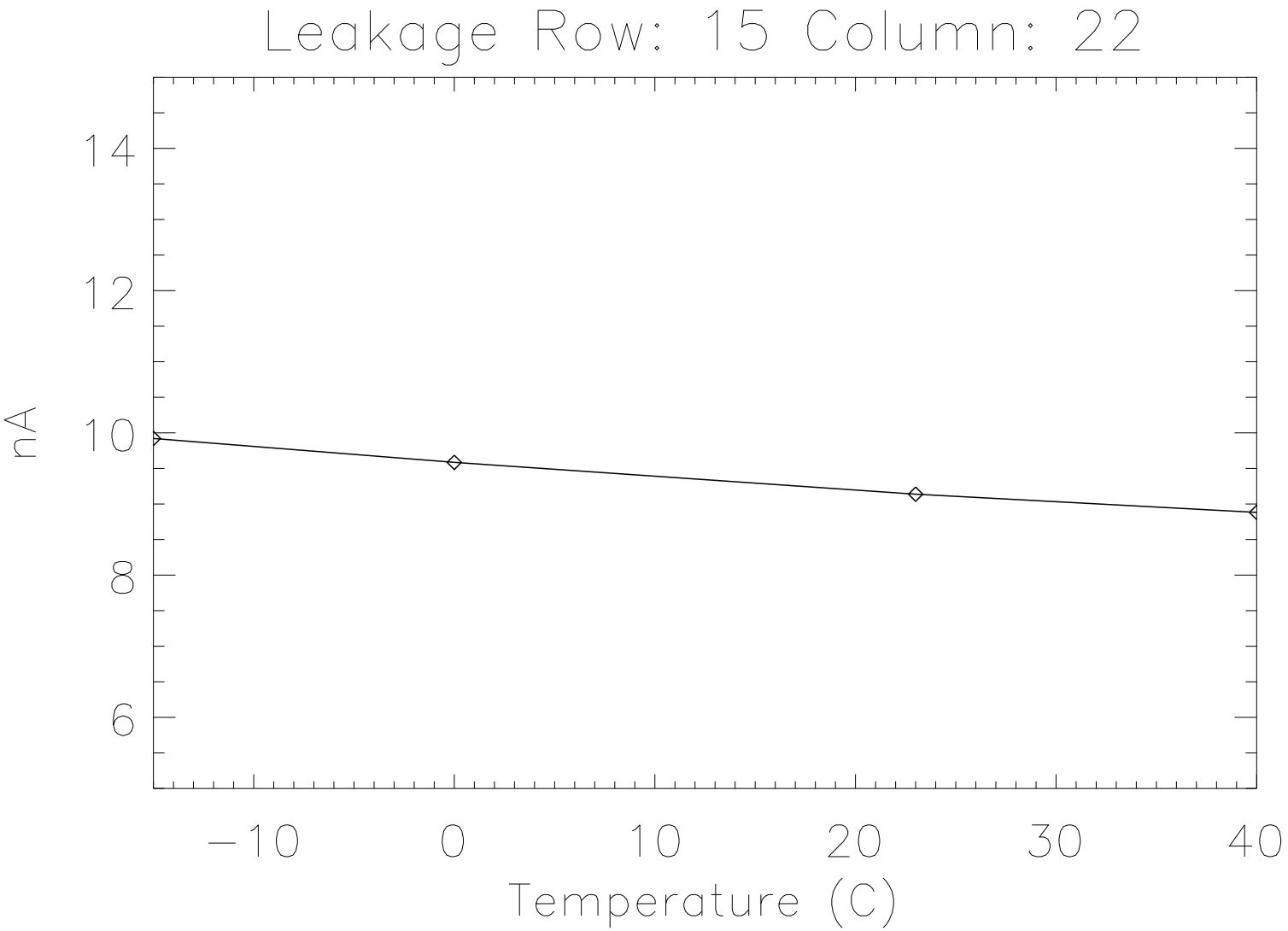

Preamp Row: 15 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

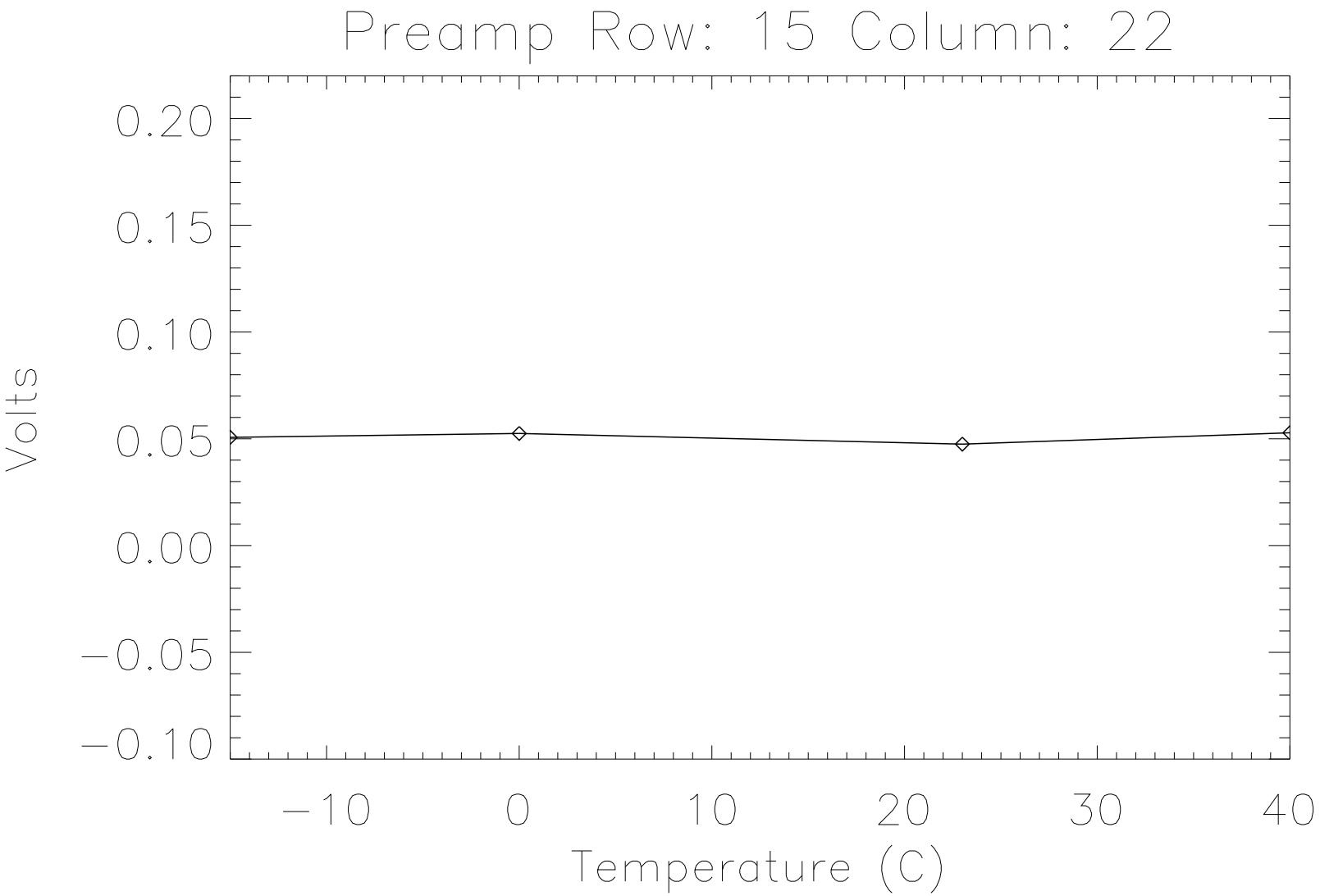

Shaper Row: 15 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

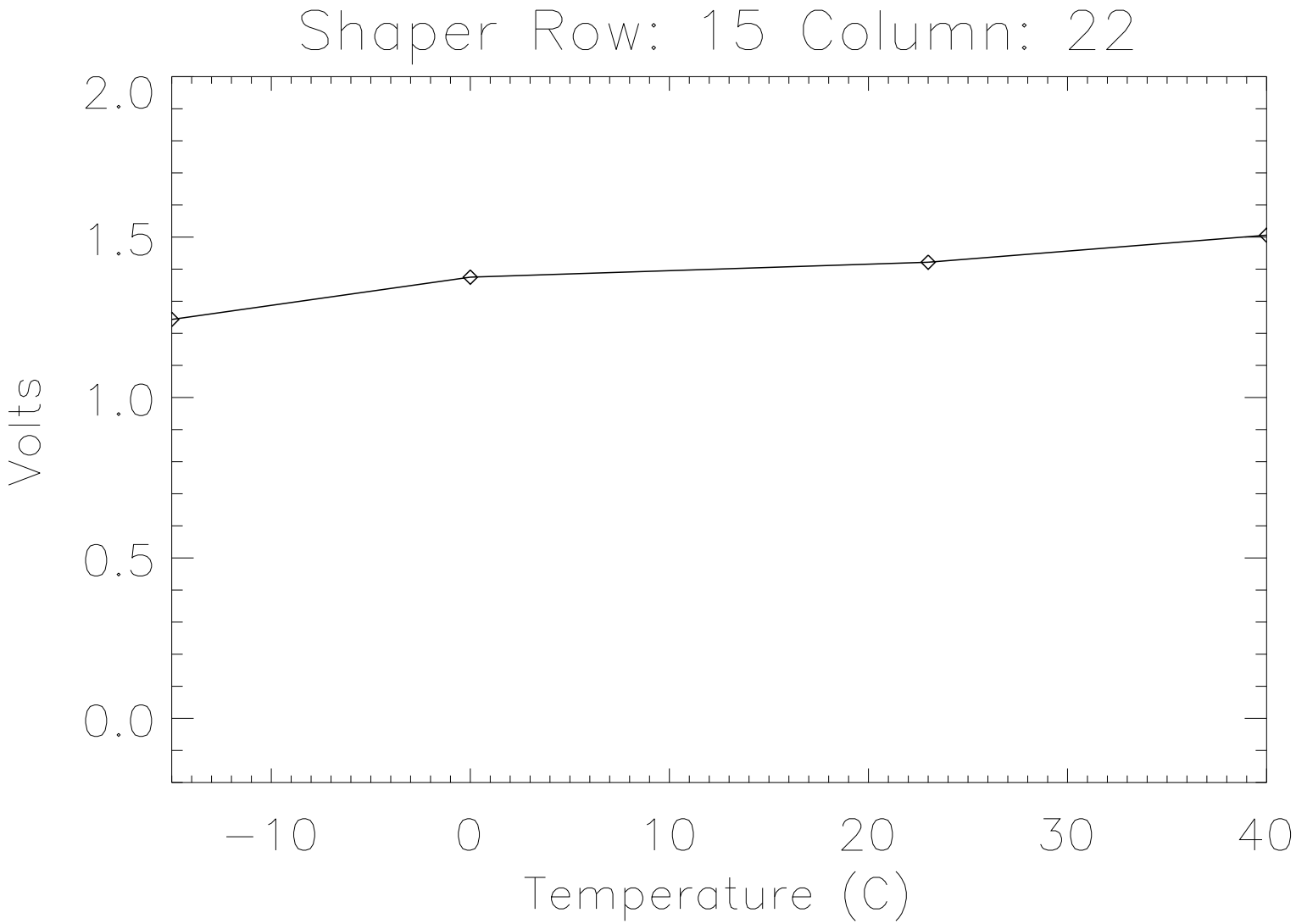

Leakage Row: 15 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 15 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 15 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 15 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 15 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 15 Column: 22
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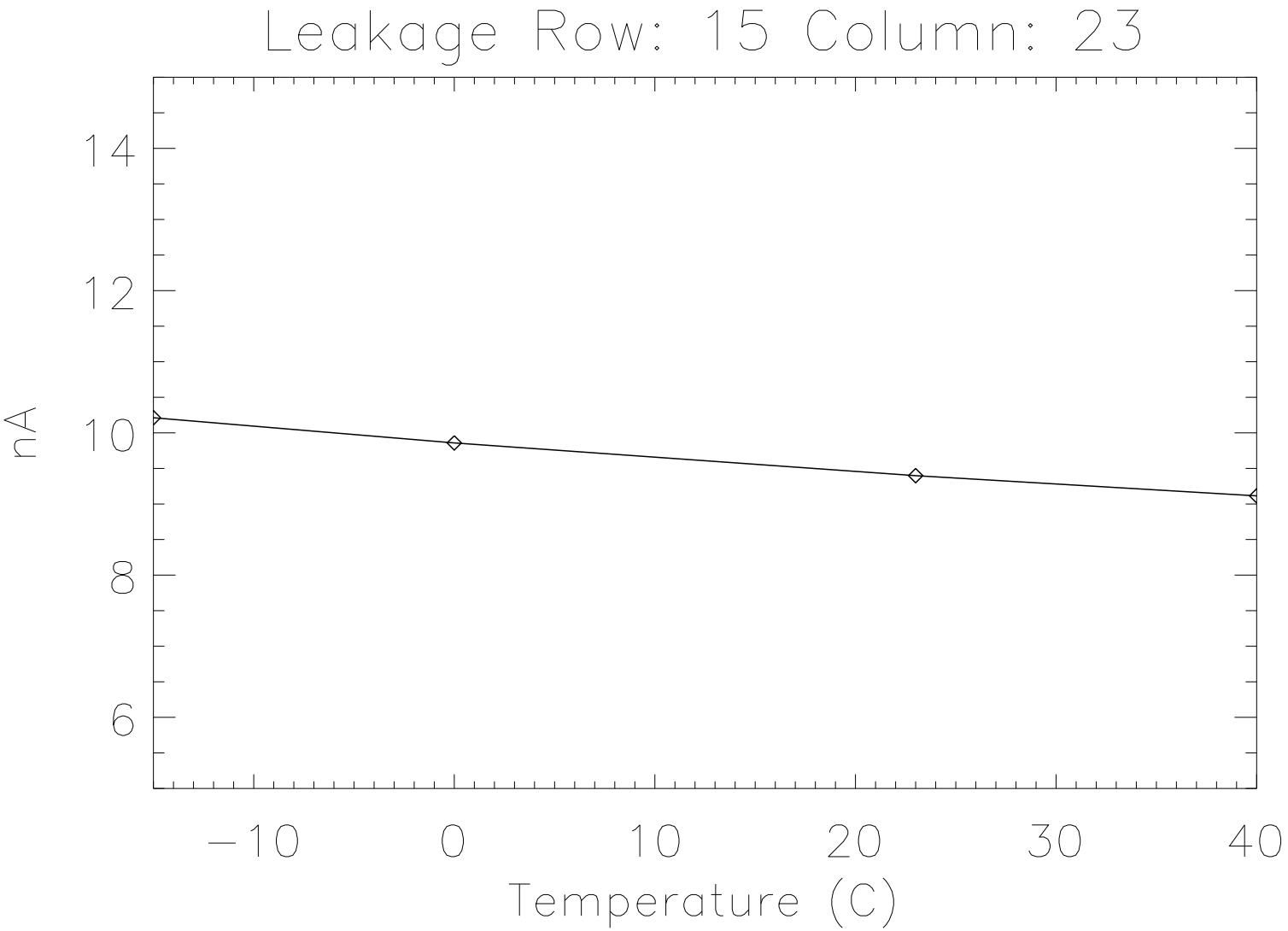
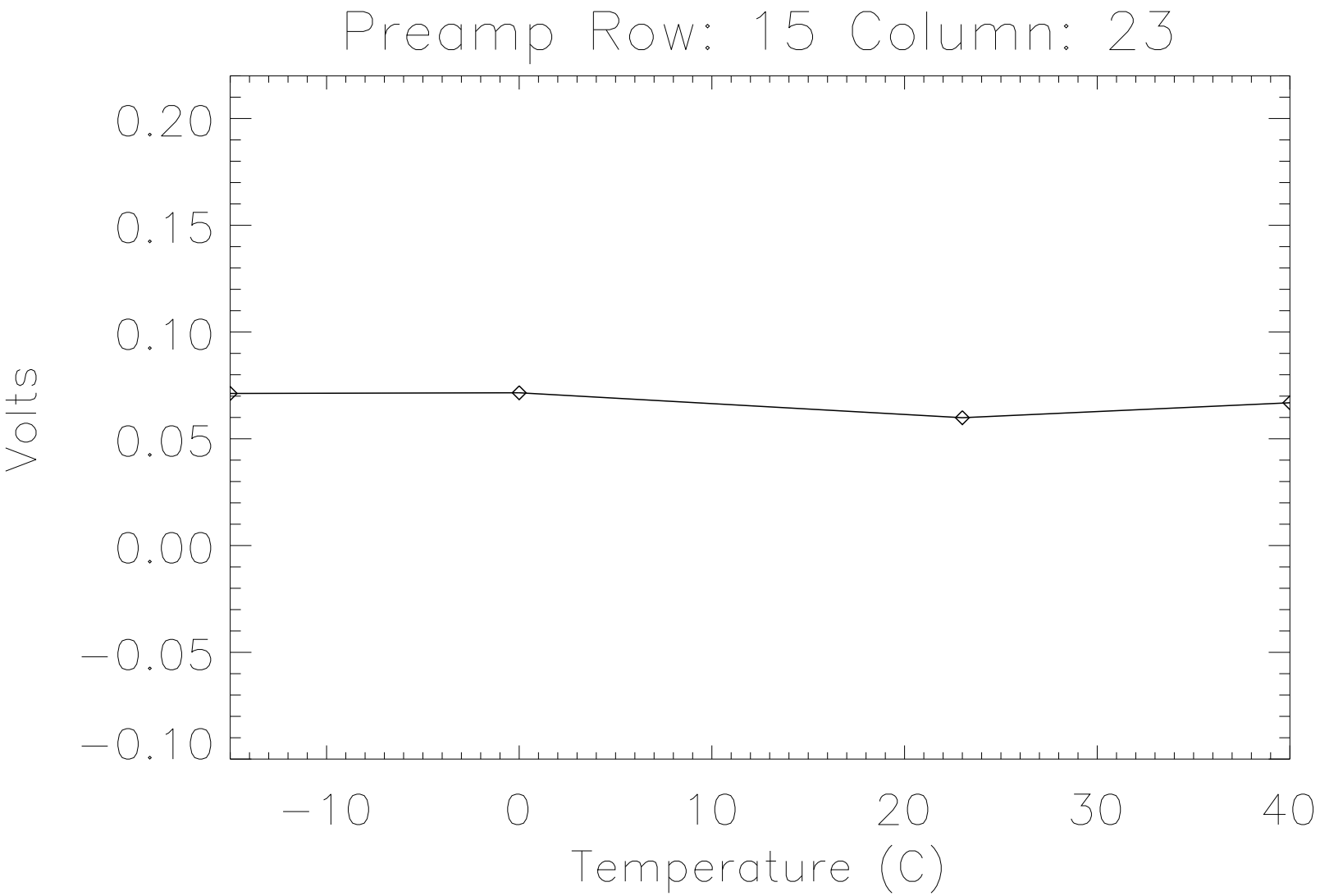
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 15 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 15 Column: 23
0.20
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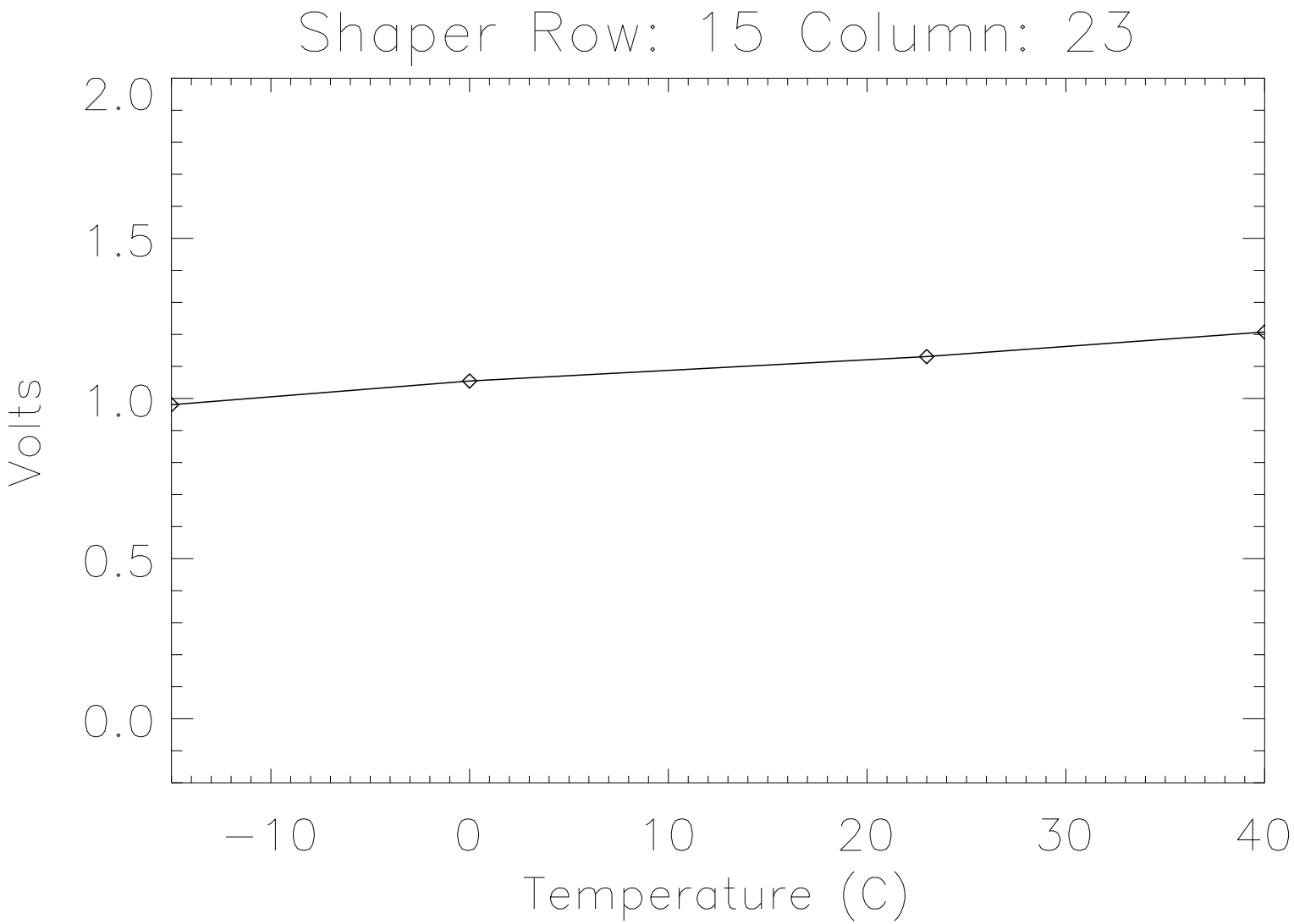
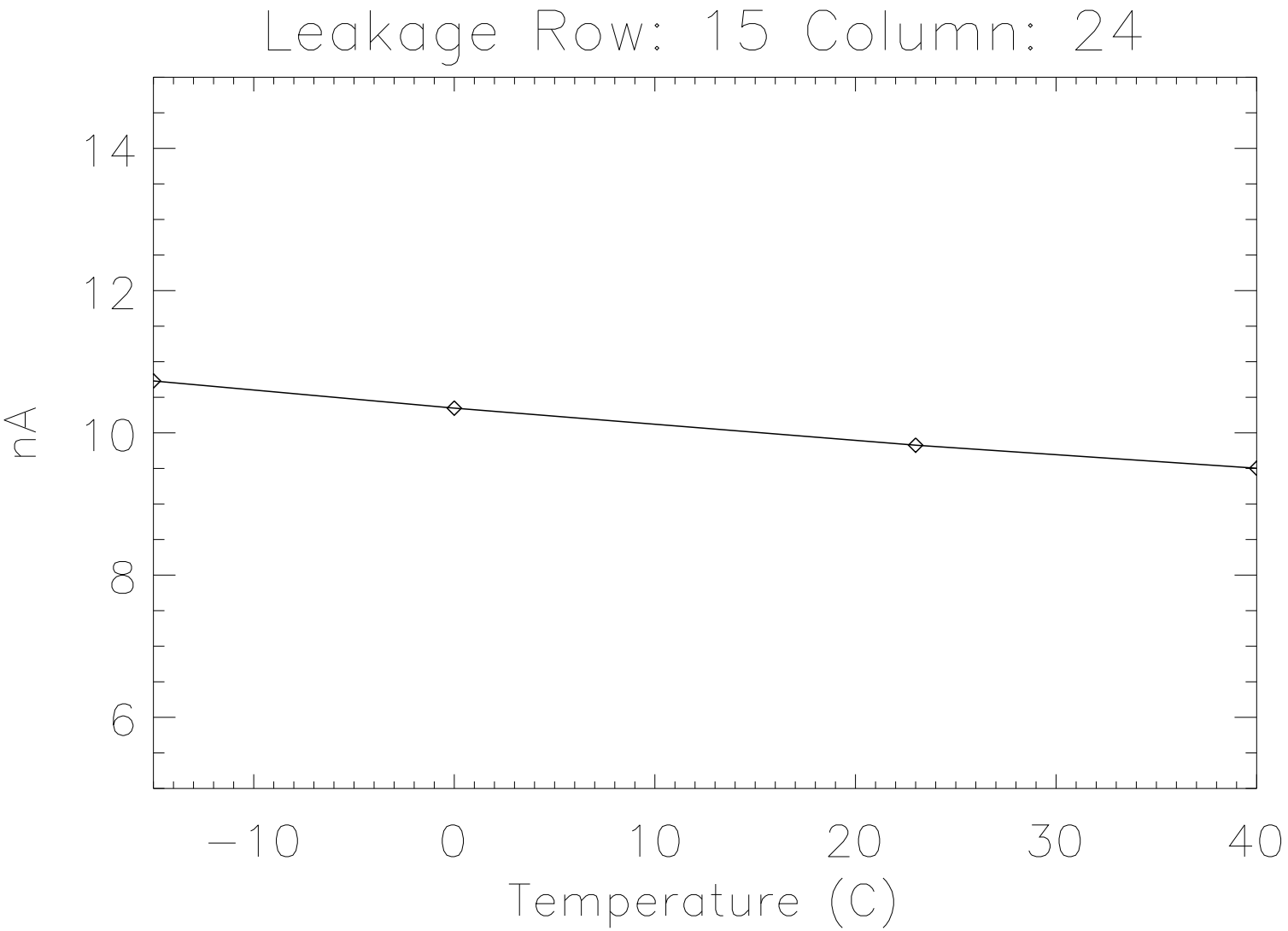
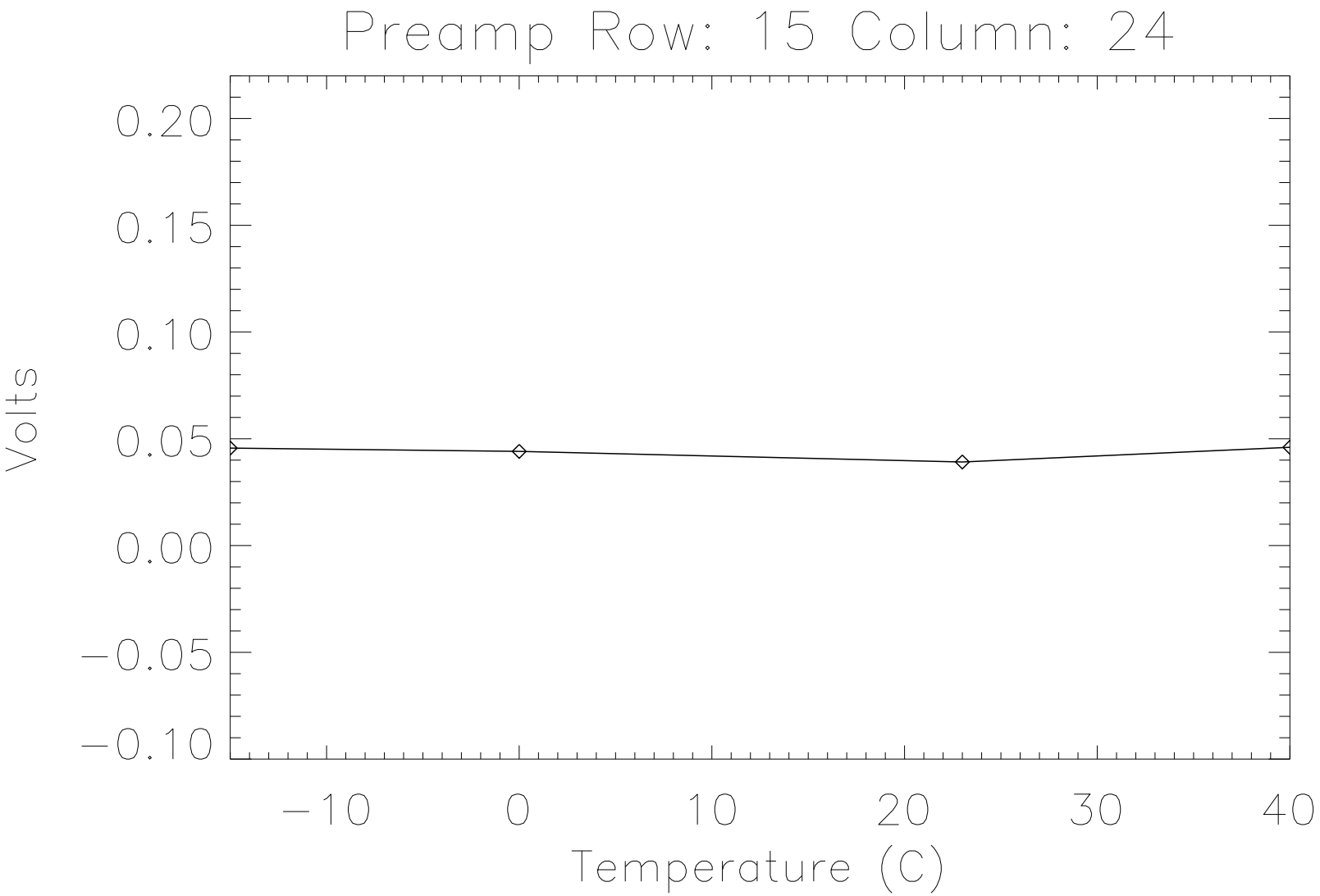
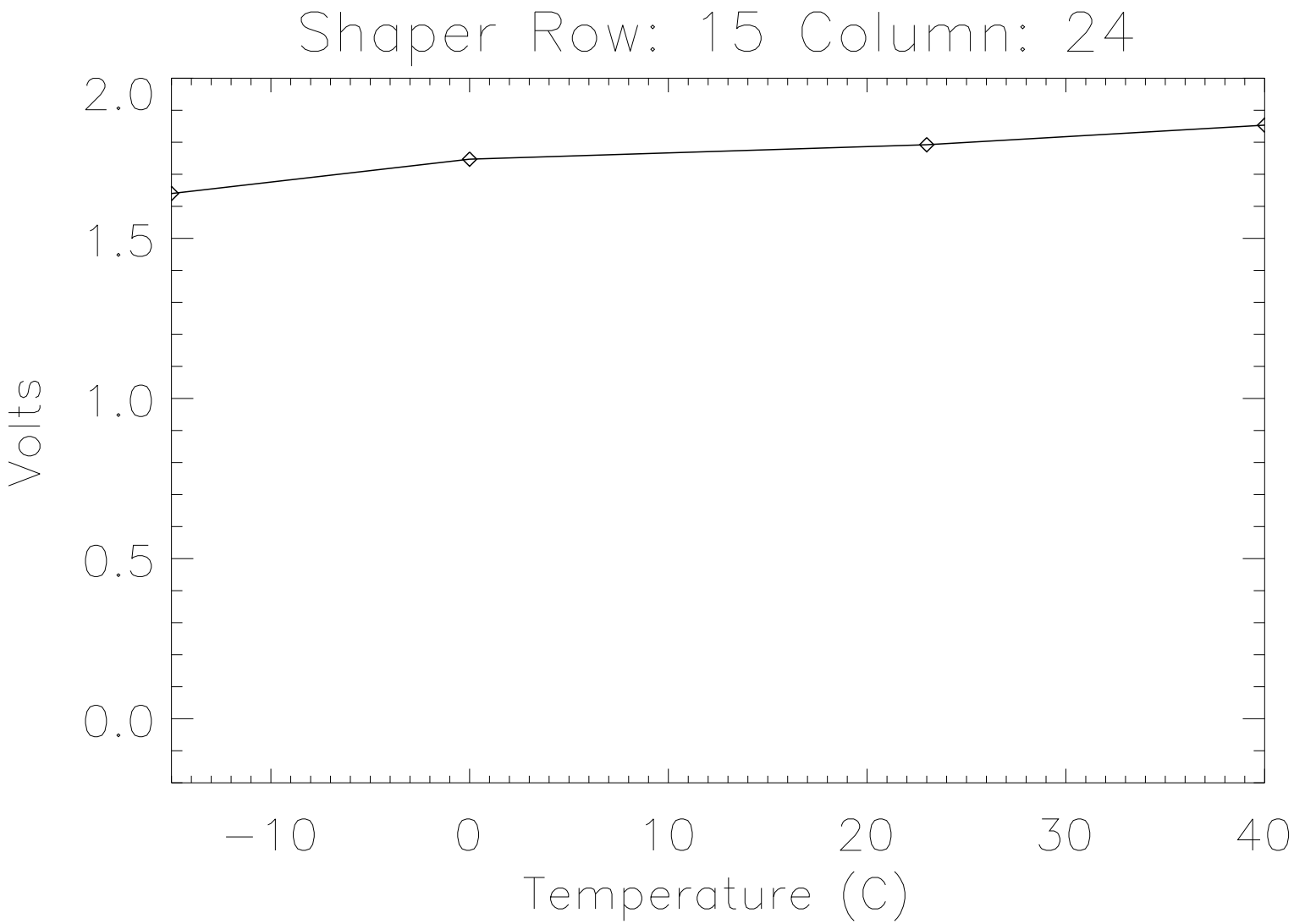
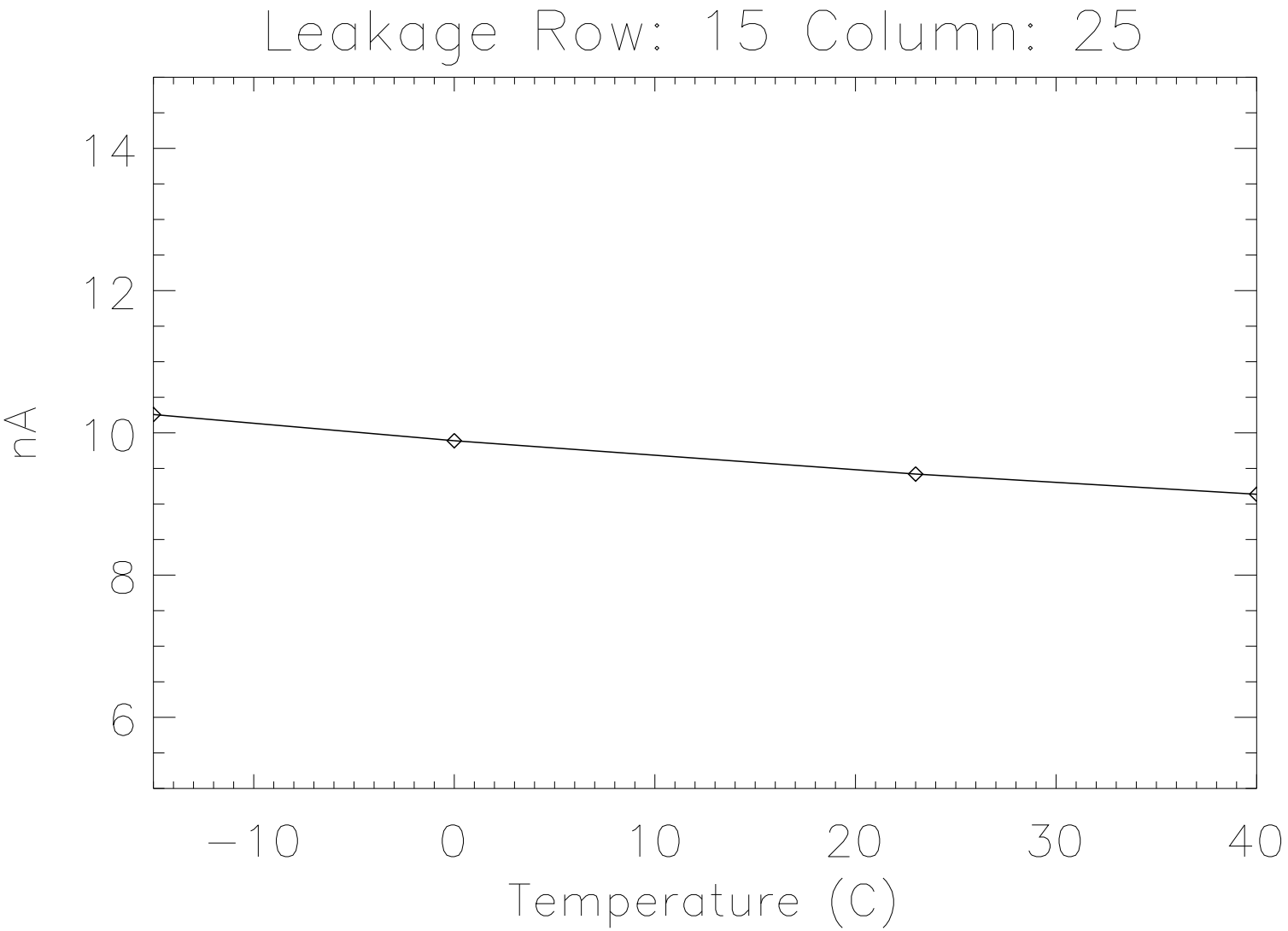
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

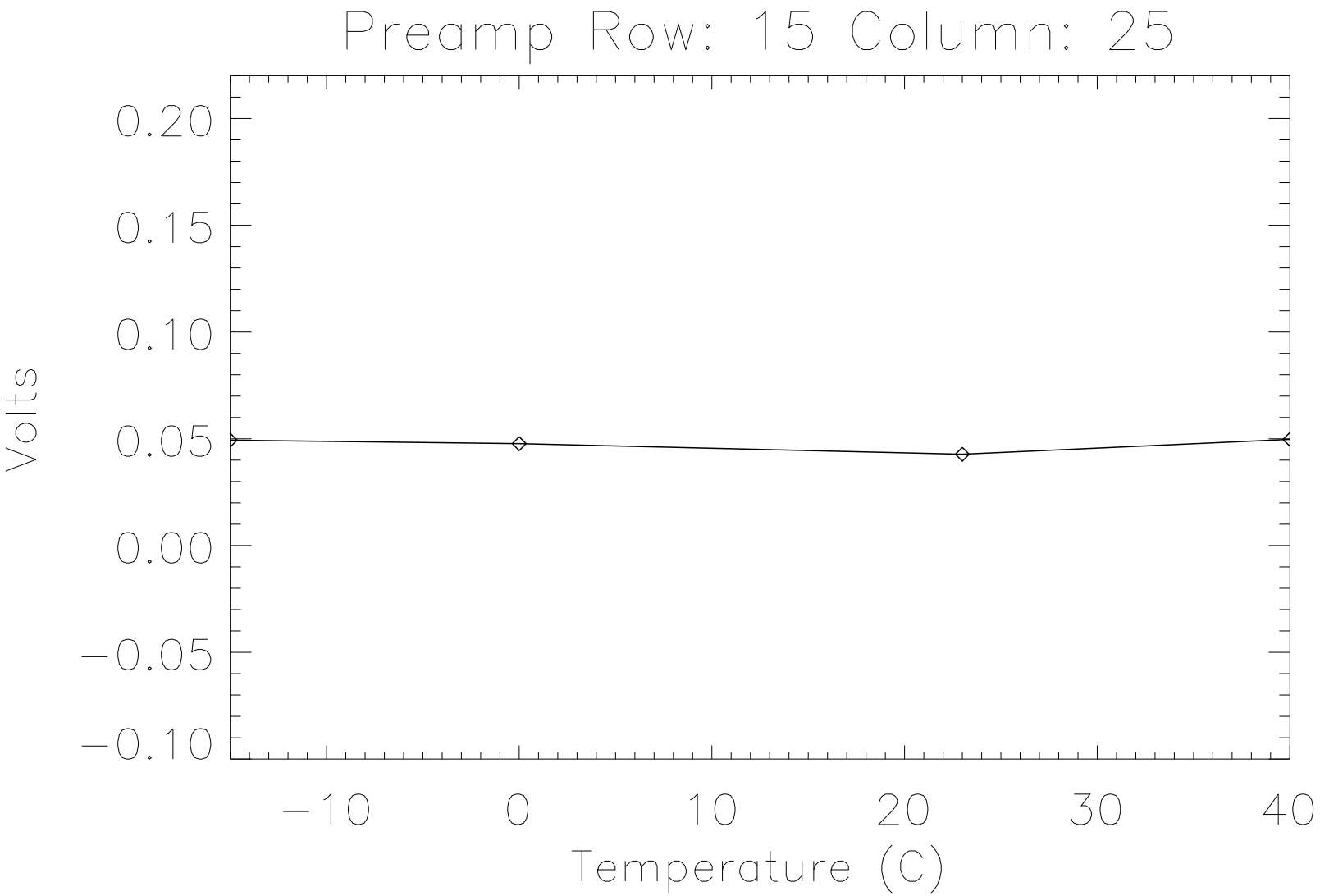

Shaper Row: 15 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

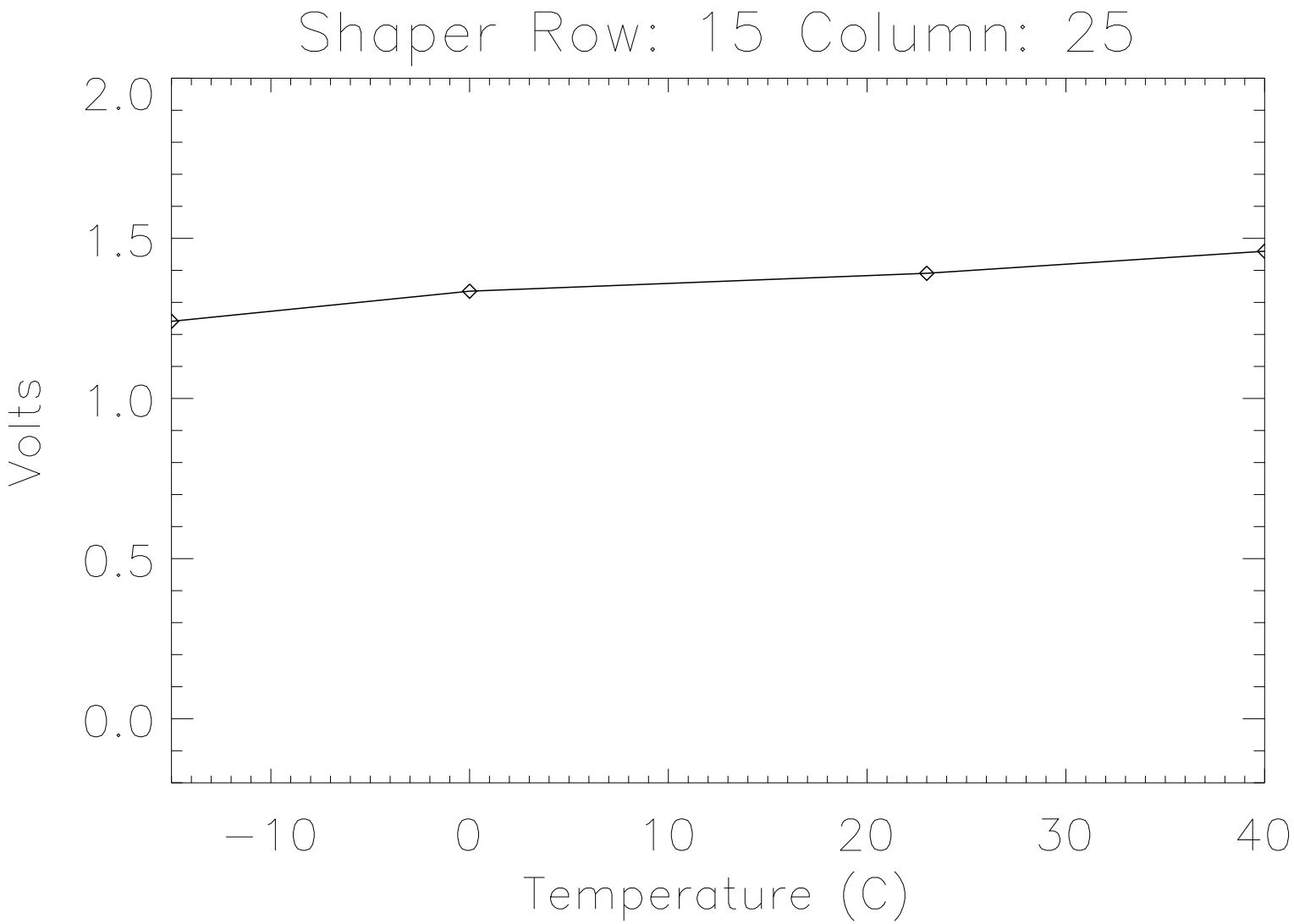

Leakage Row: 15 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

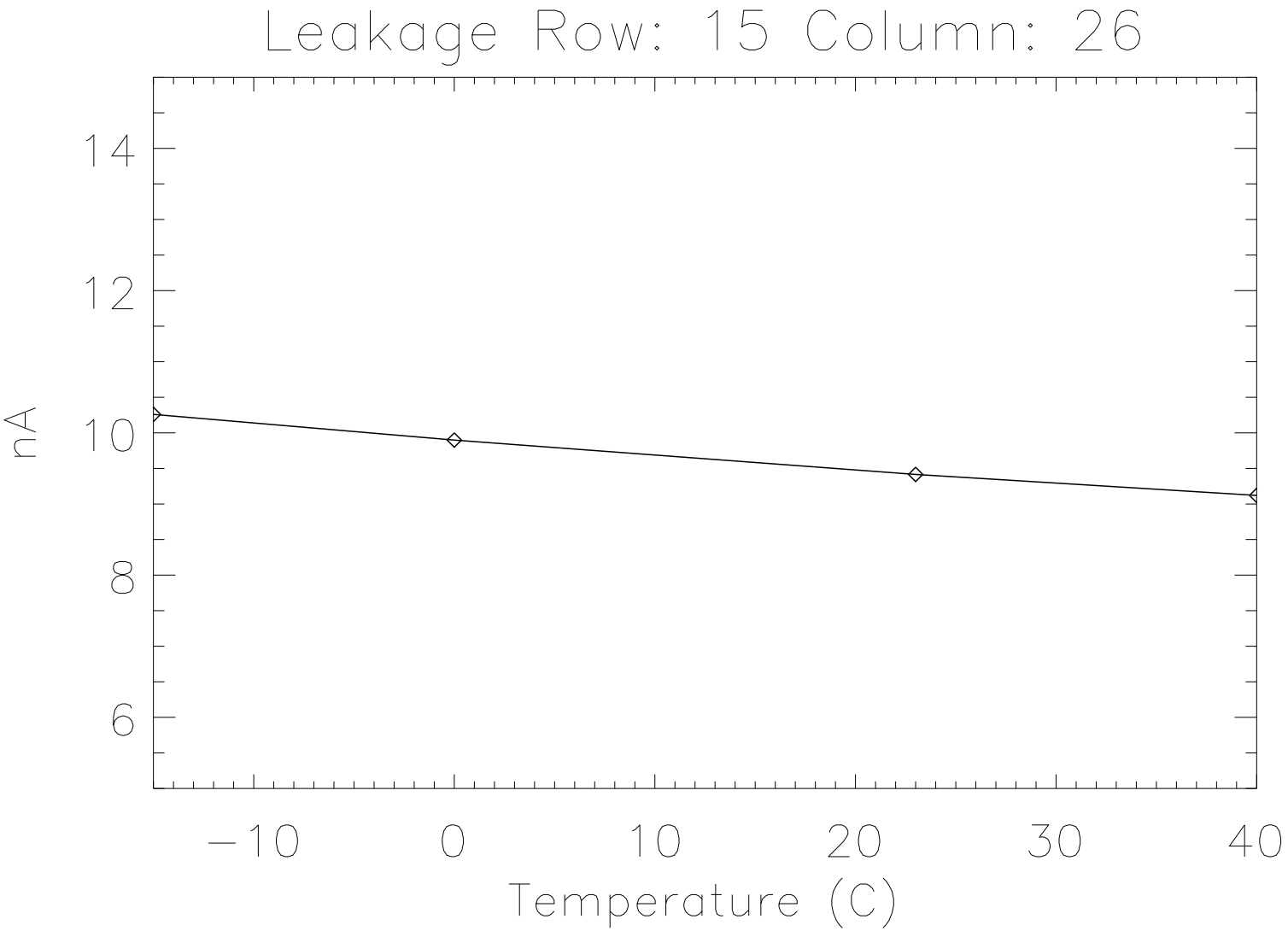

Preamp Row: 15 Column: 24
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

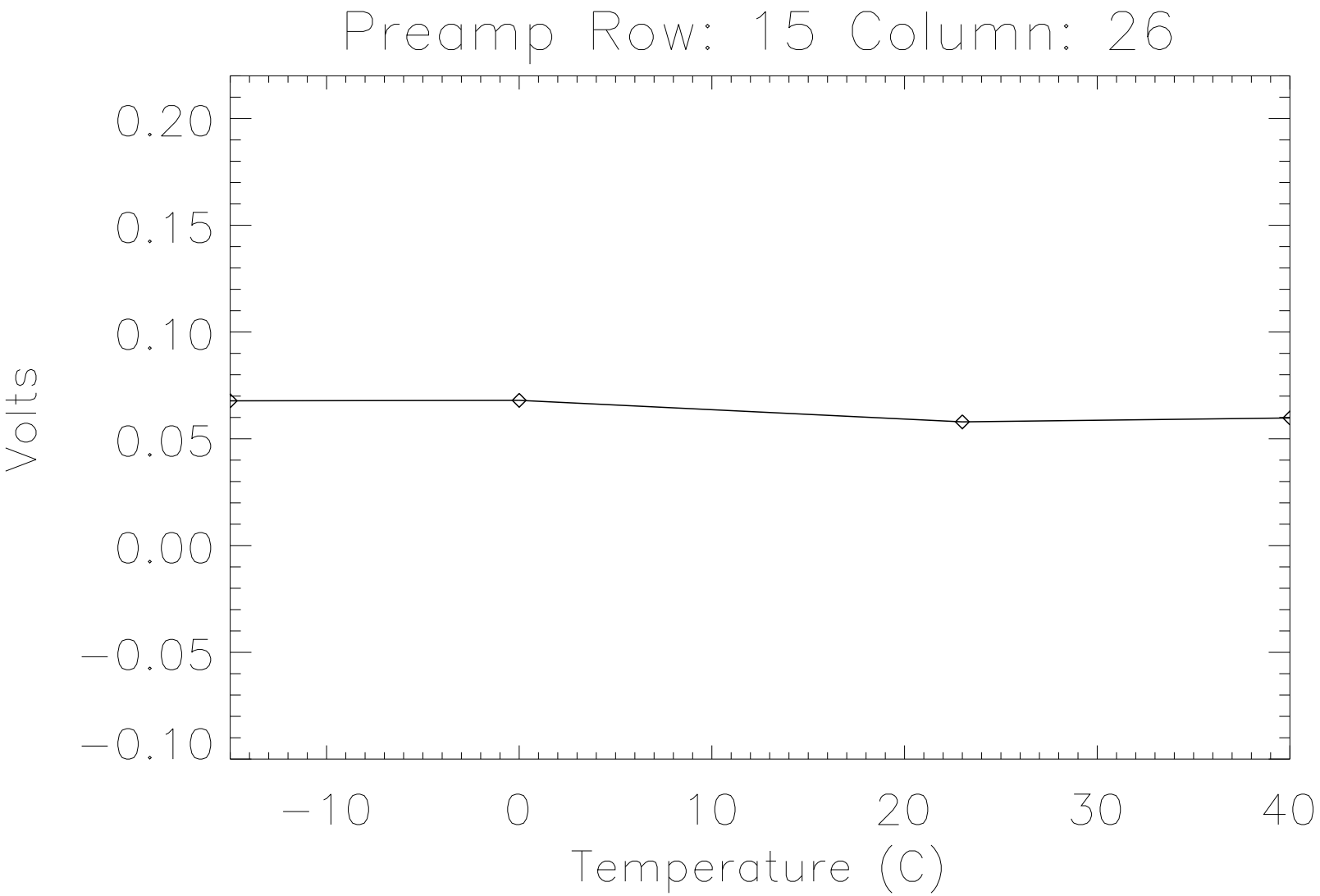

Shaper Row: 15 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

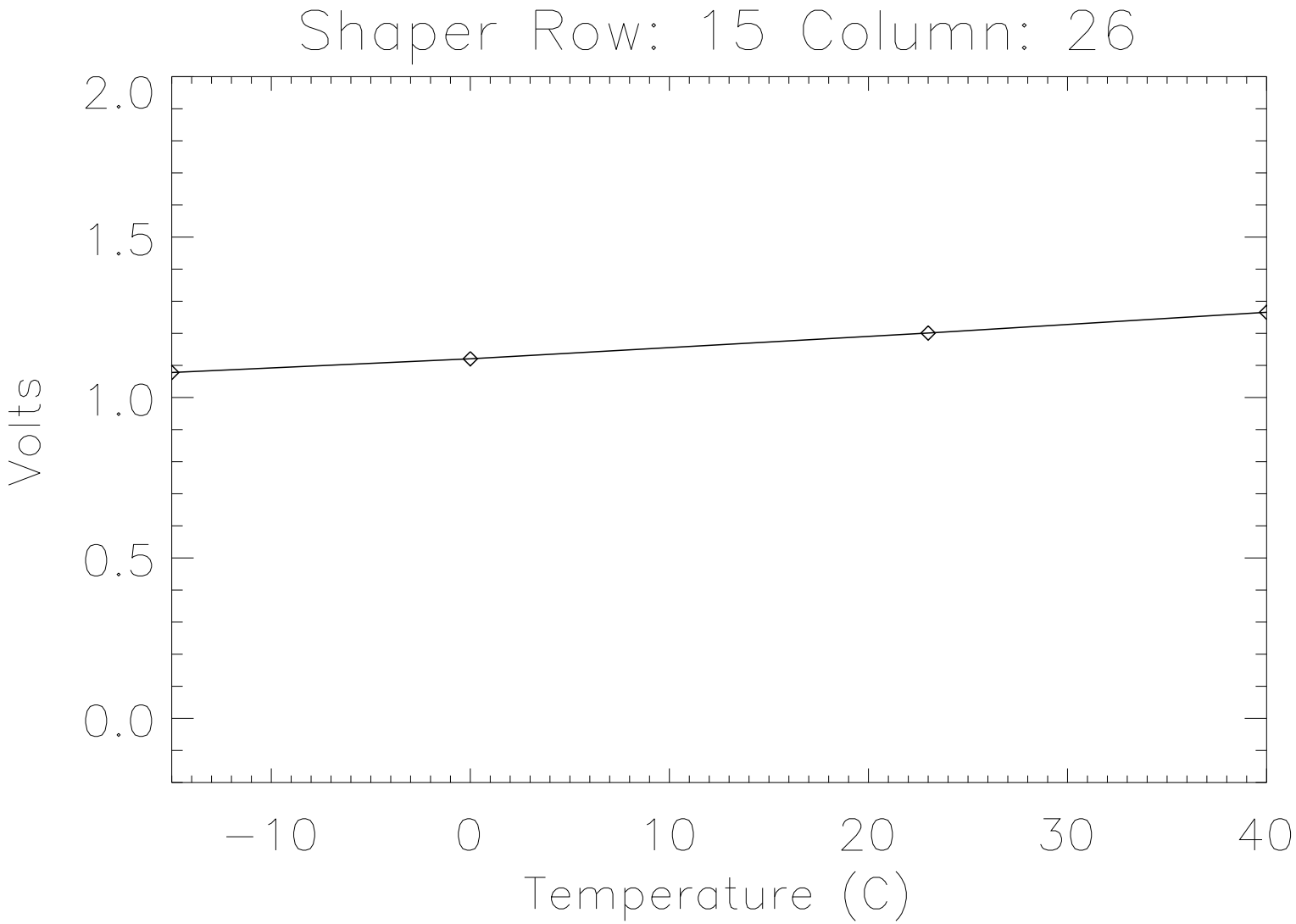

Leakage Row: 15 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

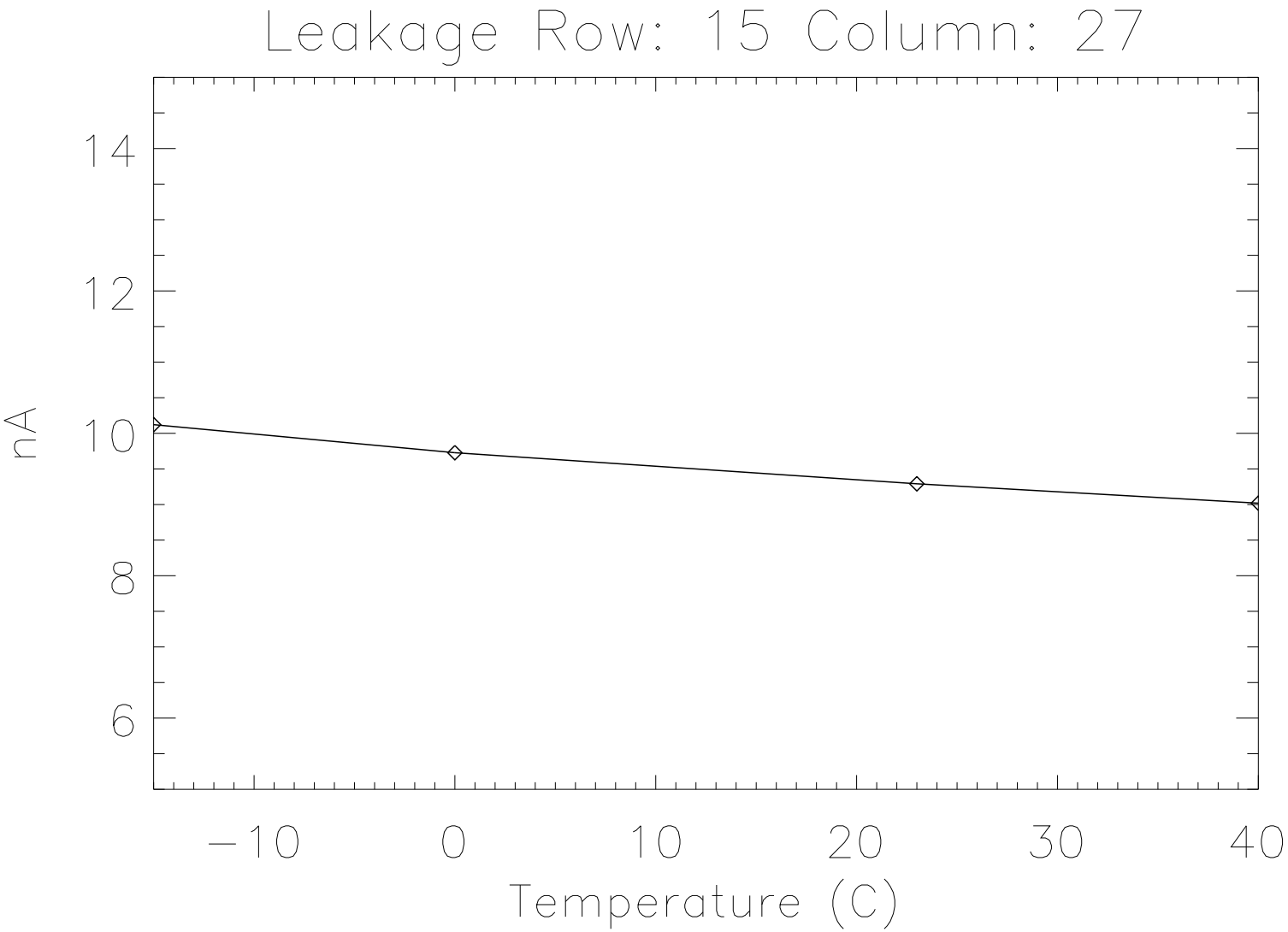

Preamp Row: 15 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

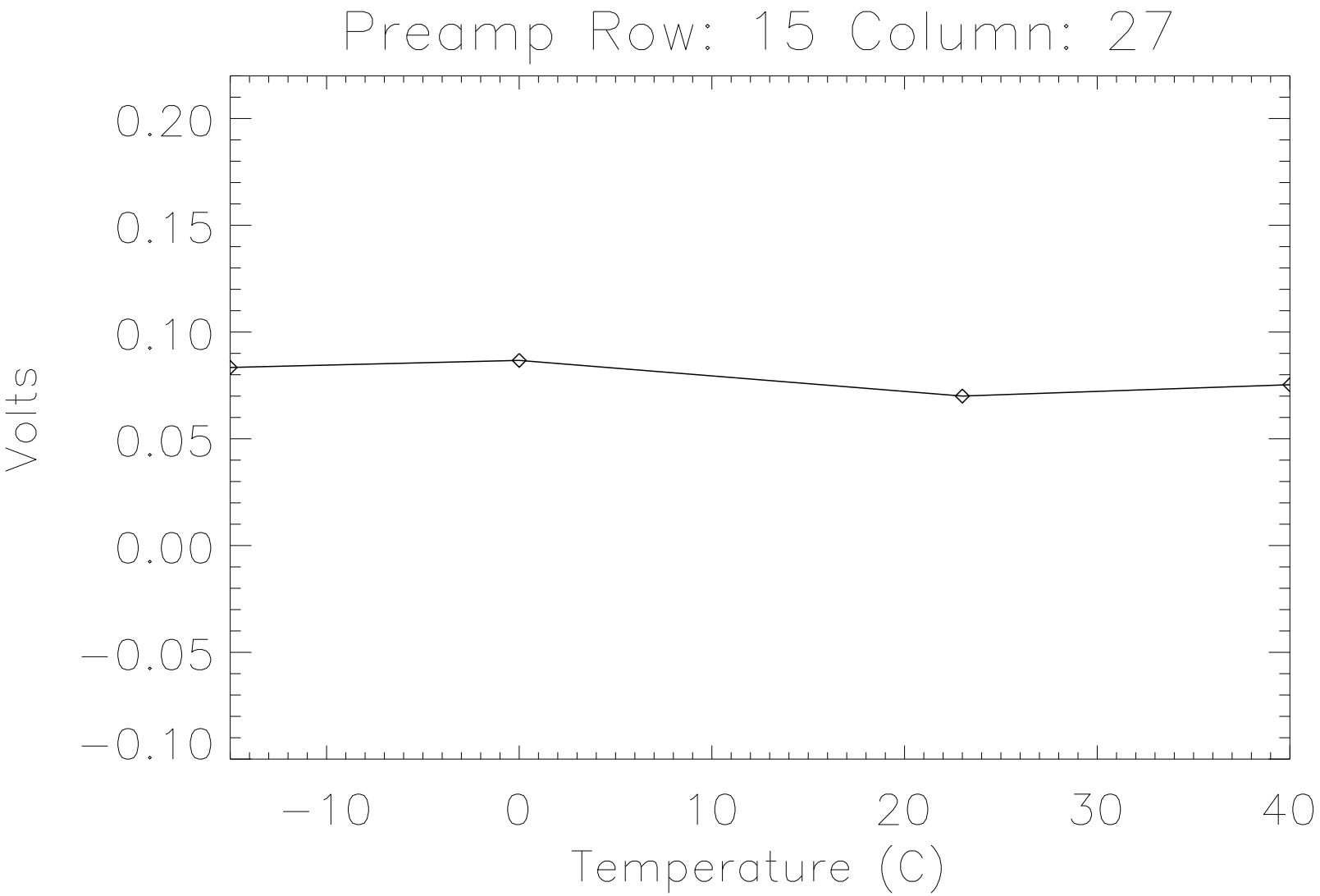

Shaper Row: 15 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 15 Column: 26
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 15 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 15 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 15 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 15 Column: 27
0.20
0.15
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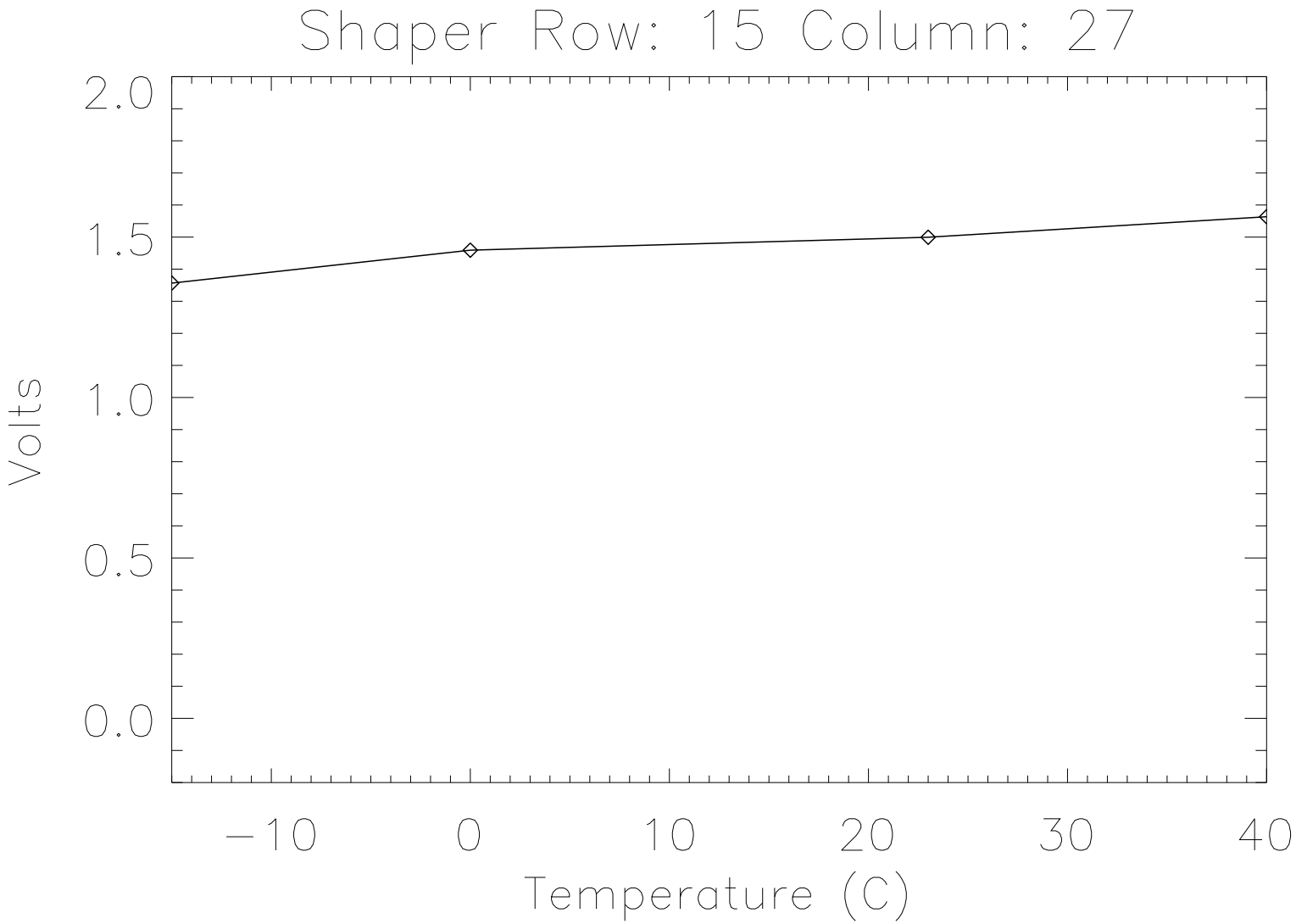
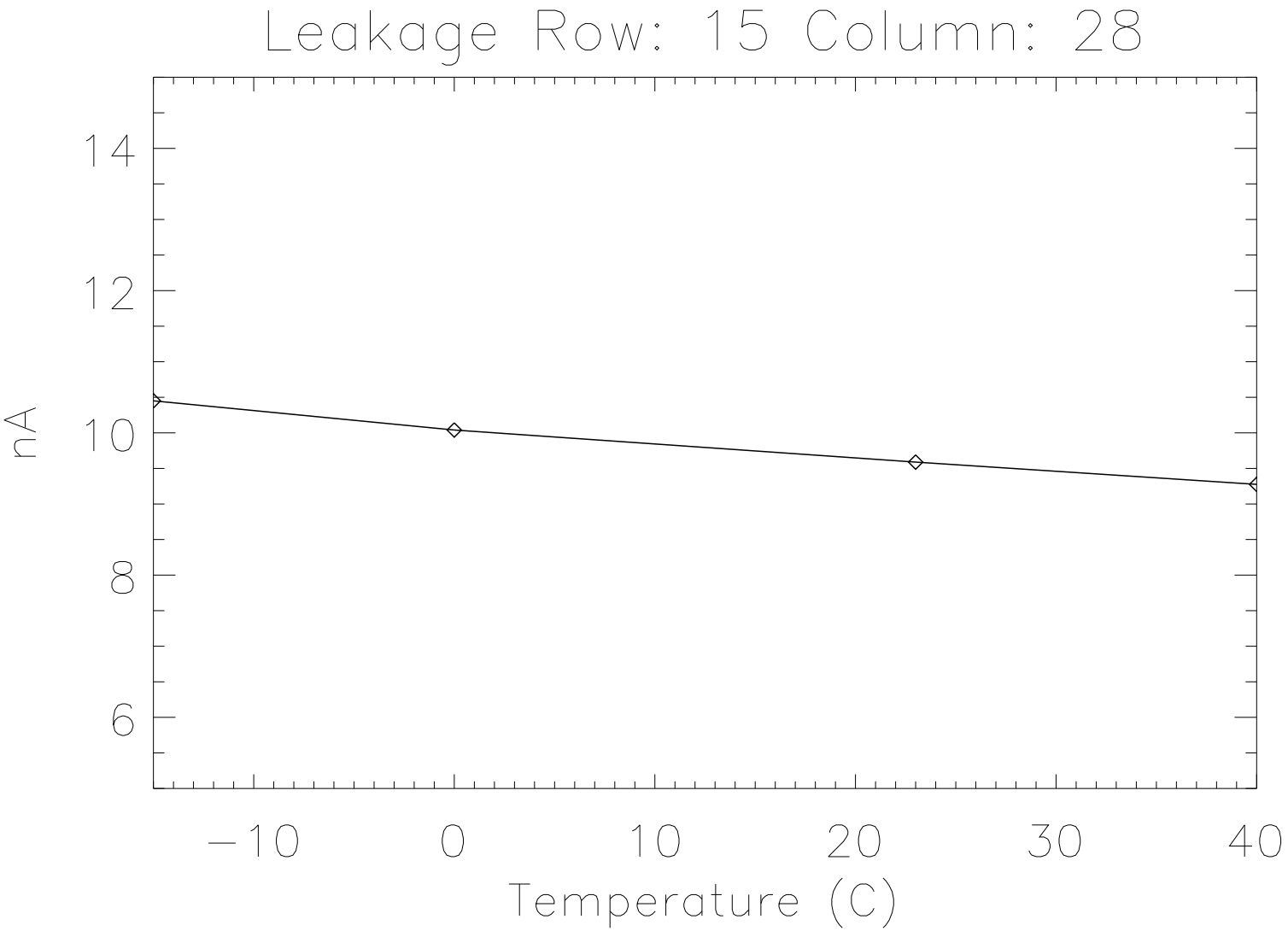
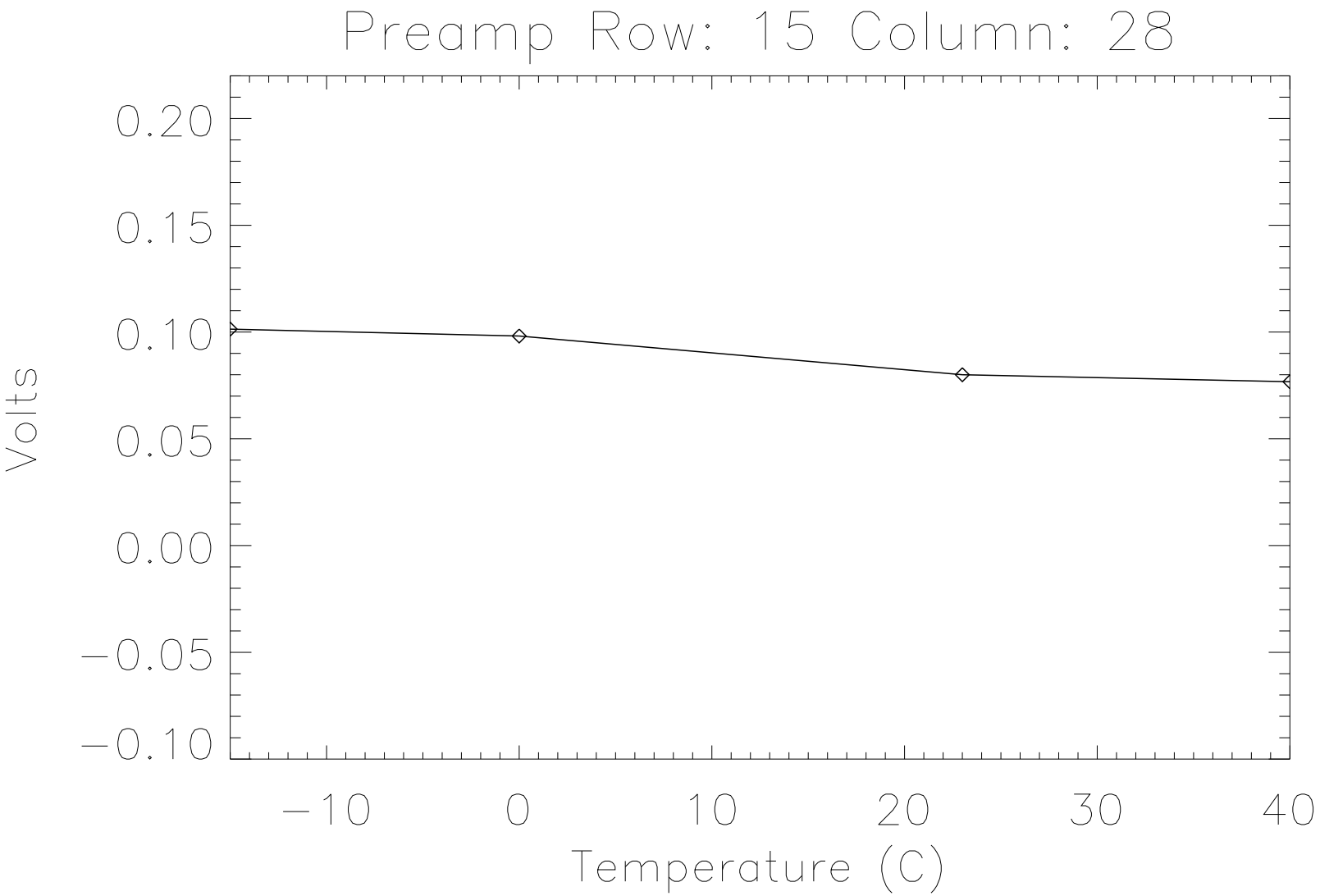
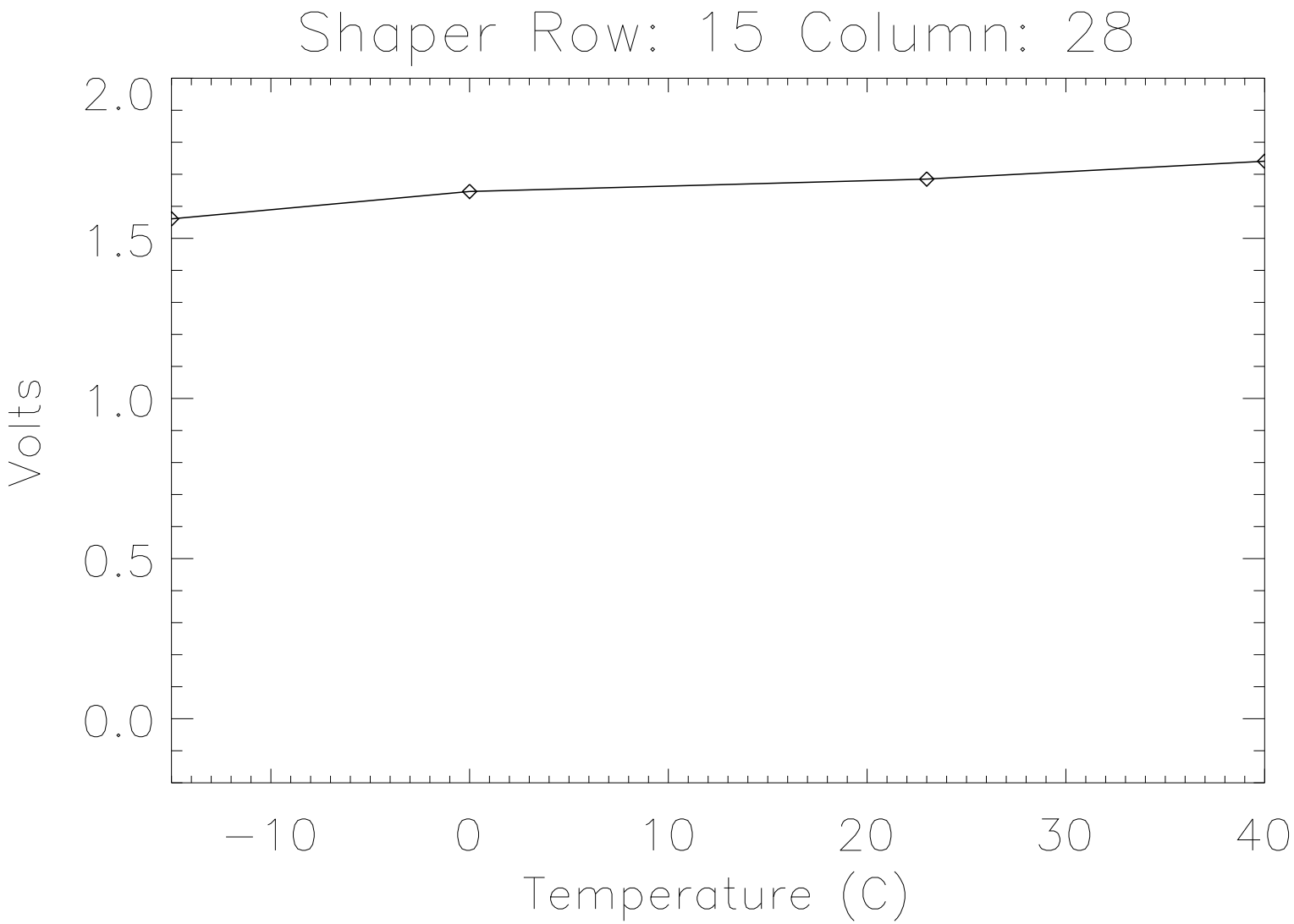
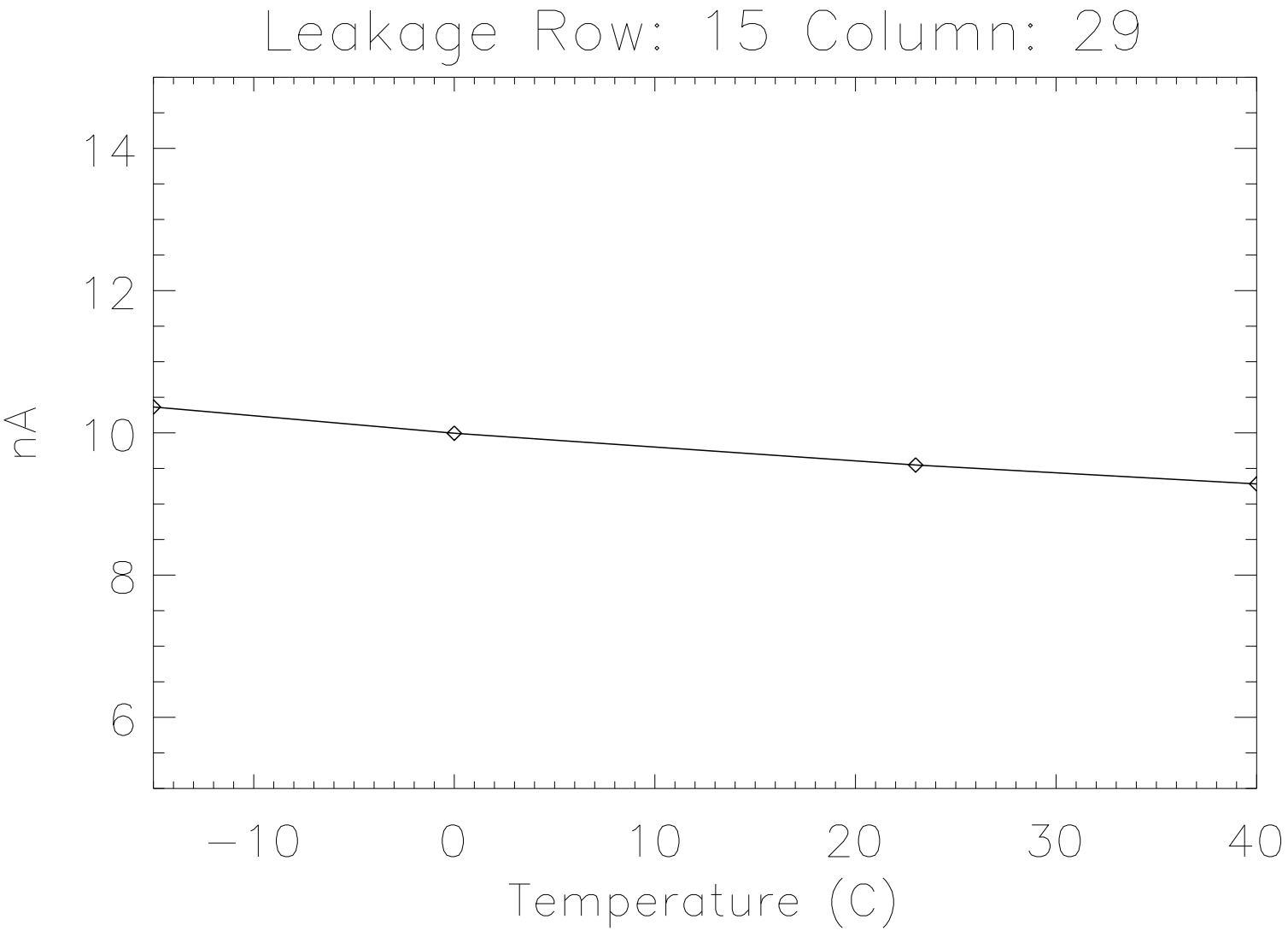
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

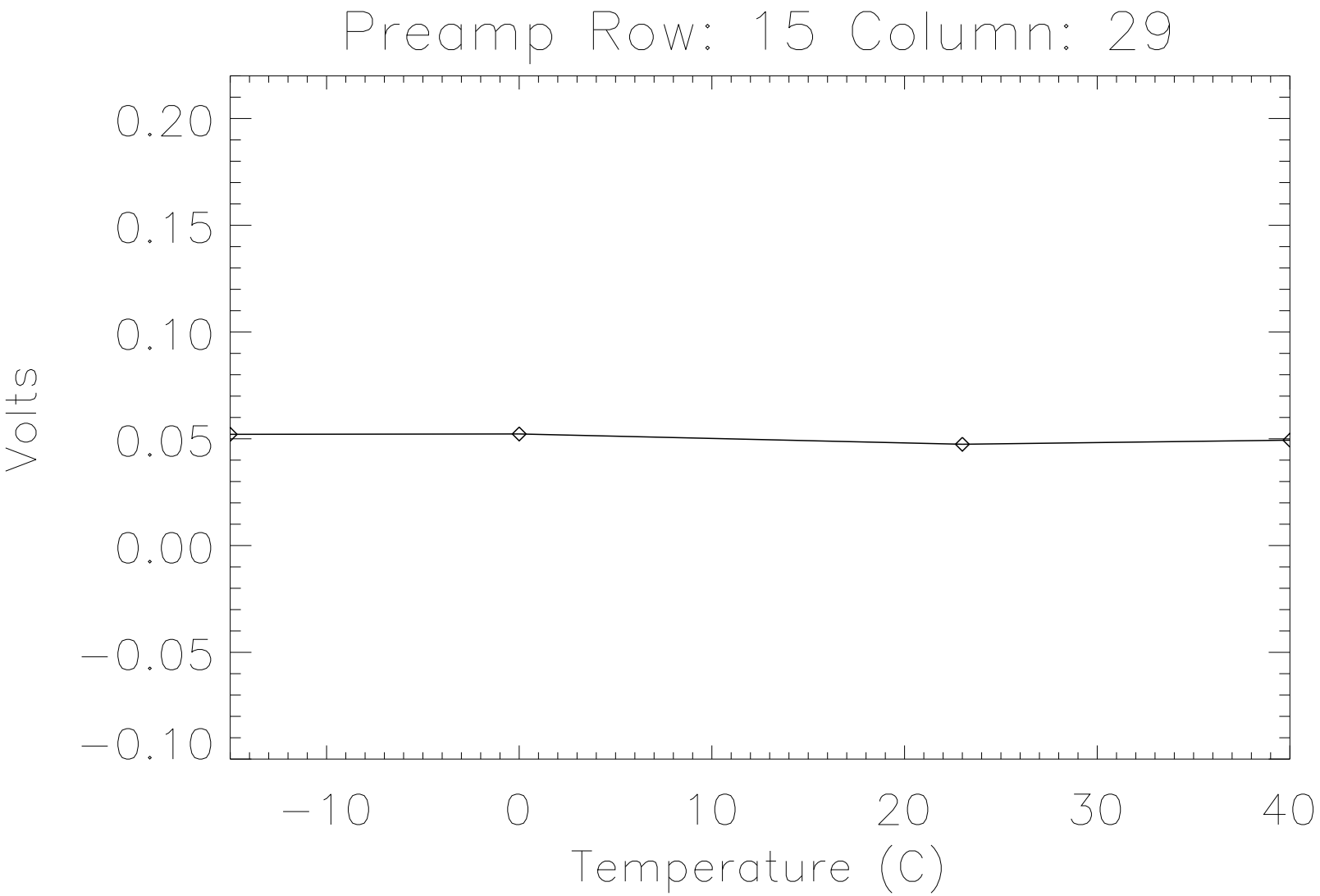

Shaper Row: 15 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 15 Column: 28
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 15 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 15 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 15 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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0.20
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0.10
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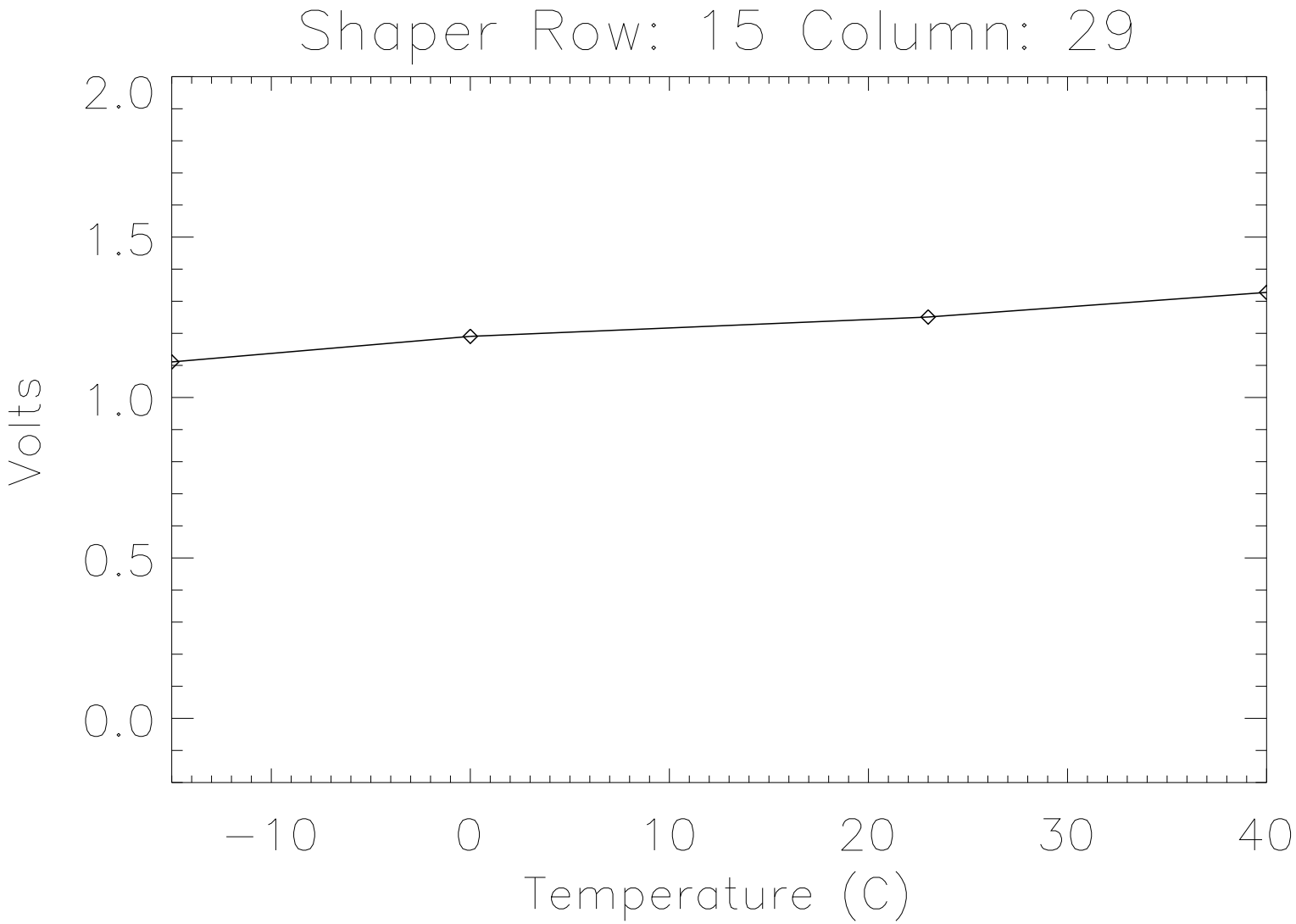
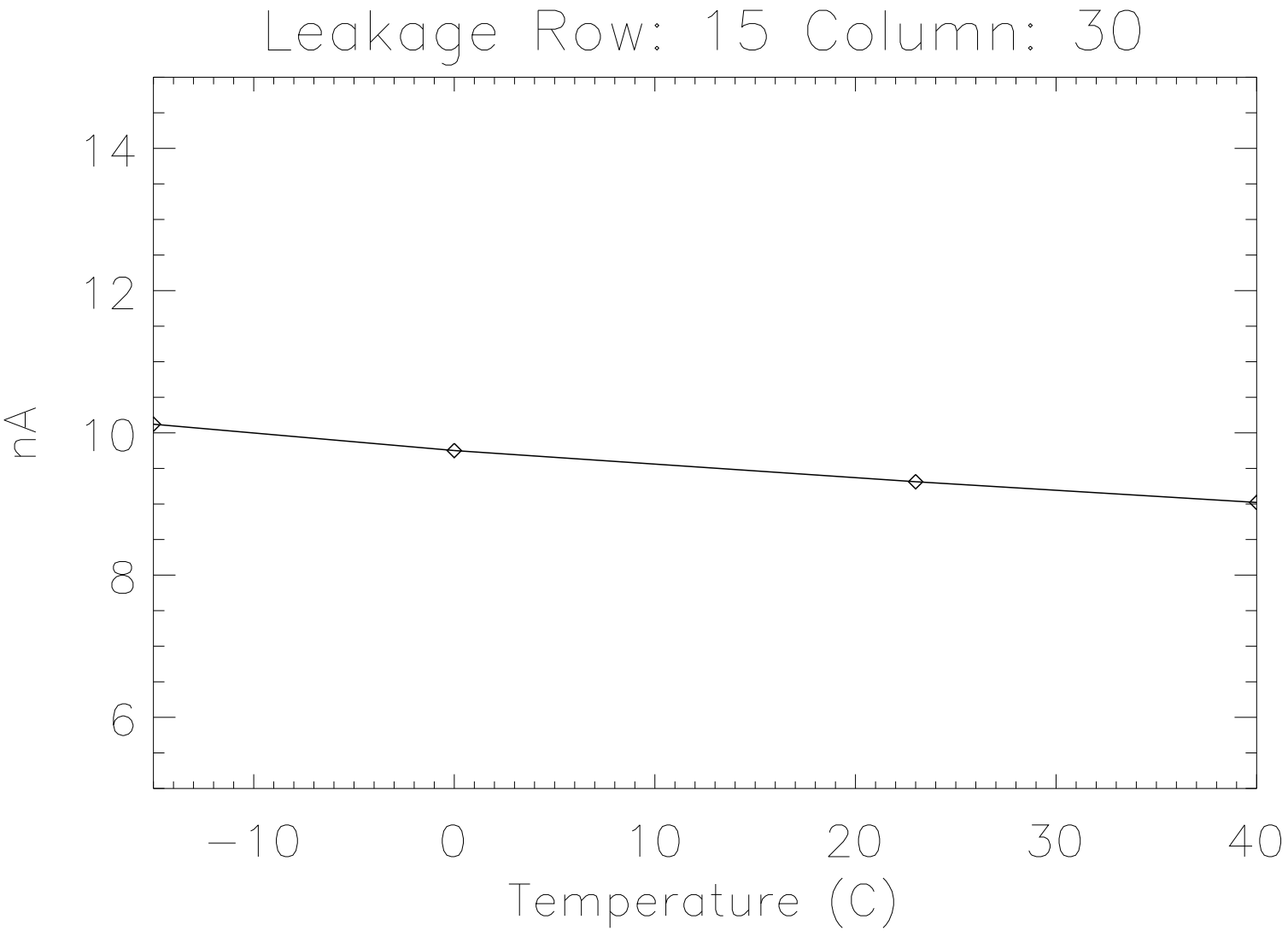
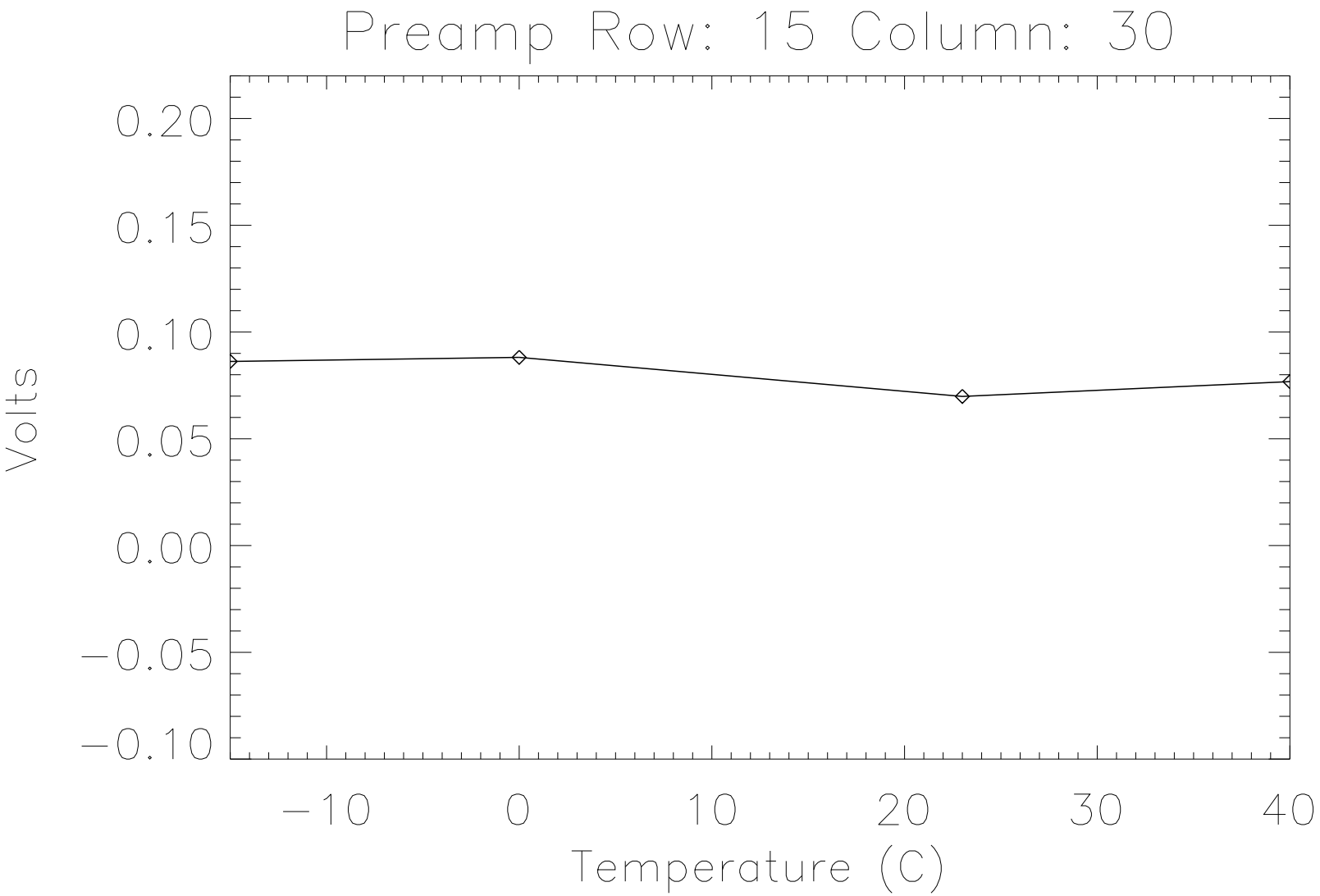
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 15 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 15 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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0.20
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0.10
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0.00
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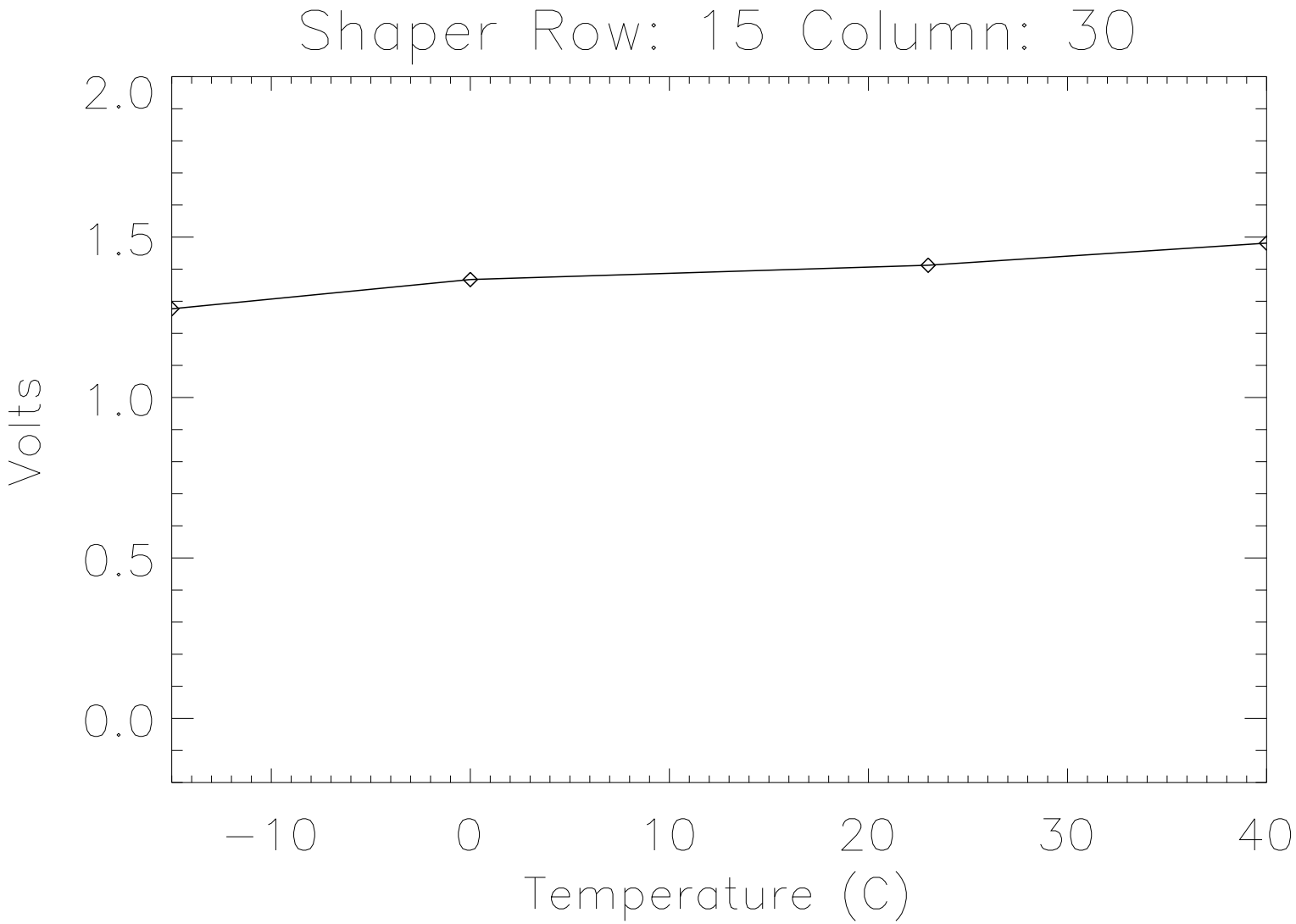
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 15 Column: 30
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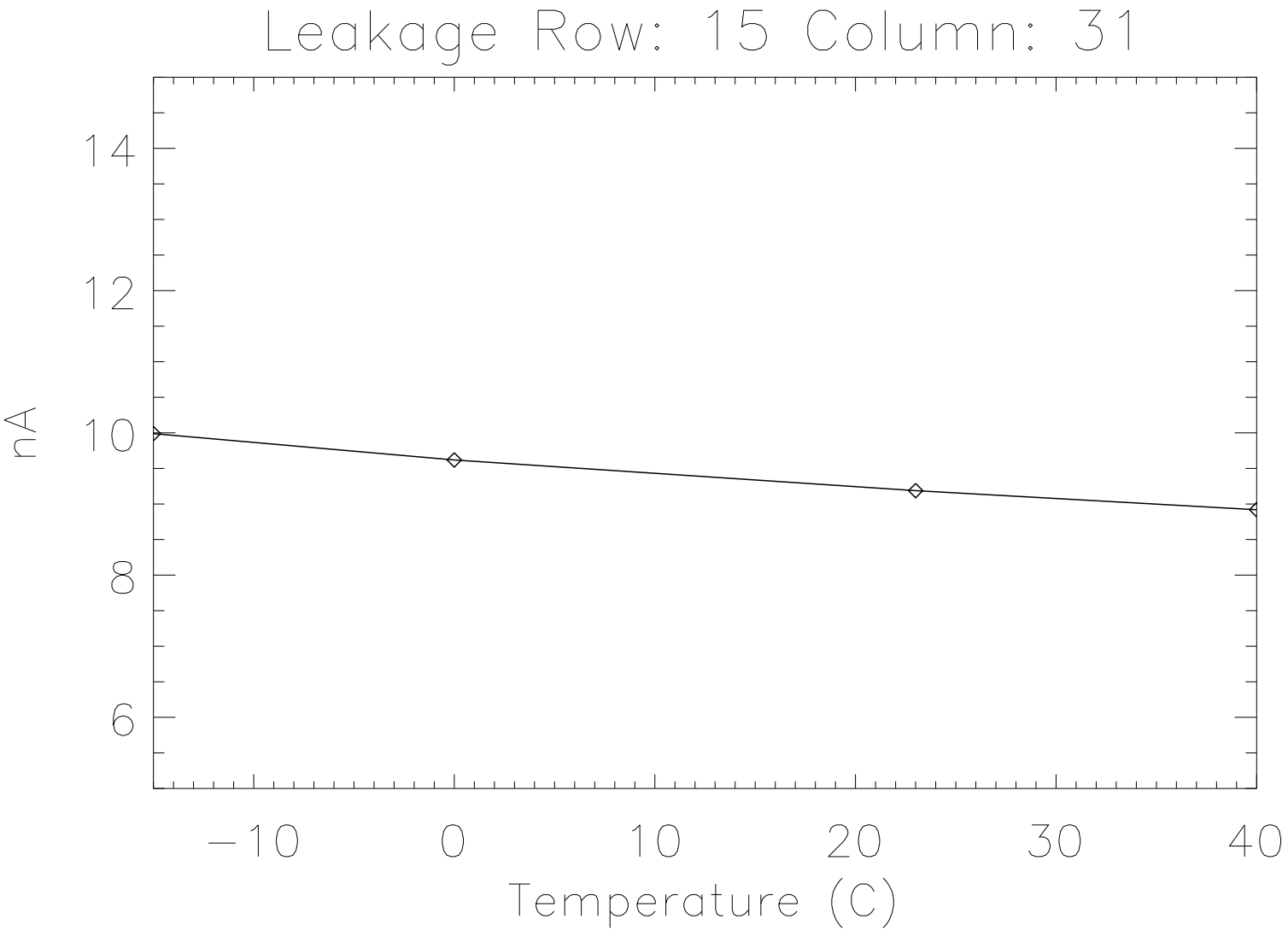
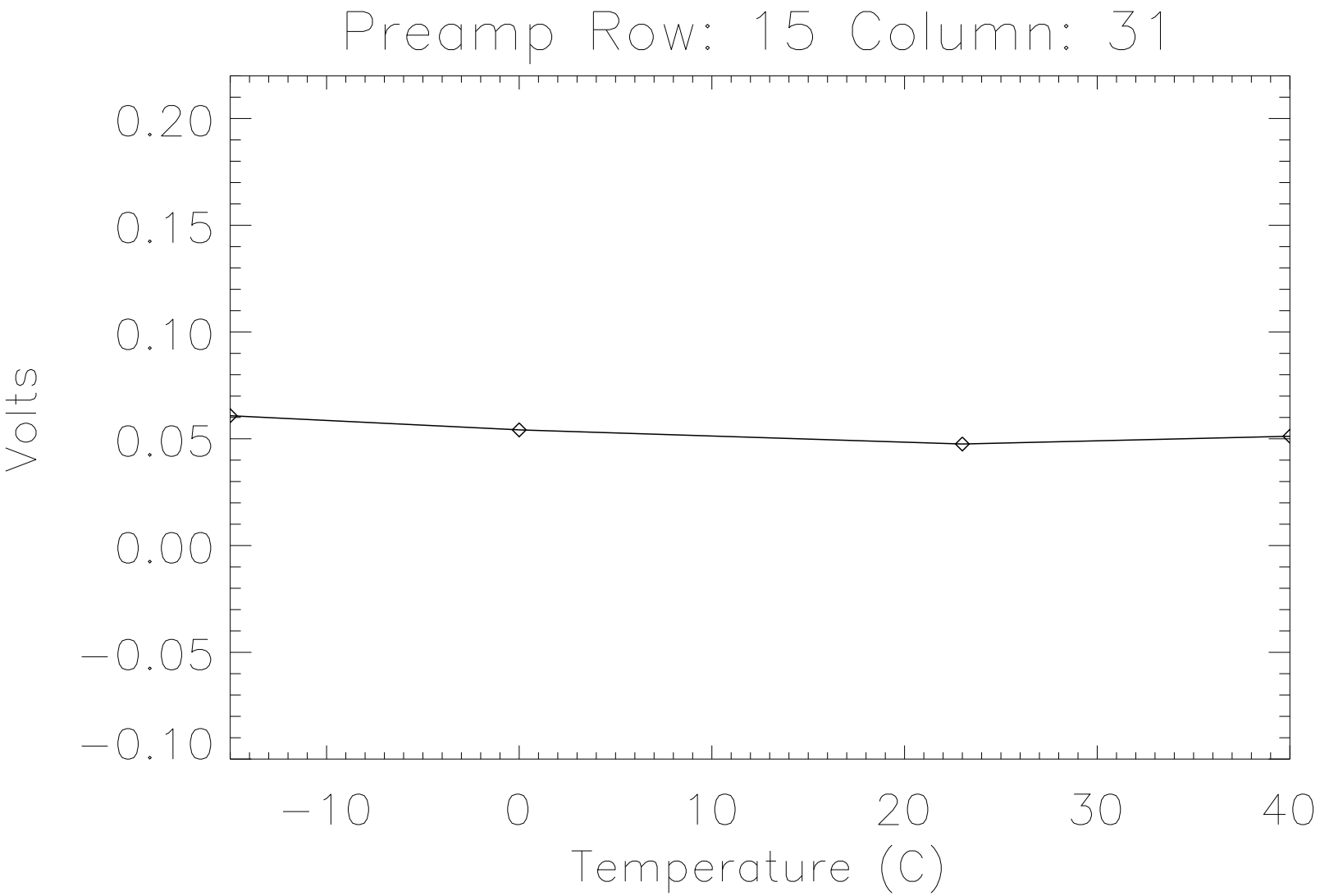
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 15 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 15 Column: 31
0.20
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0.10
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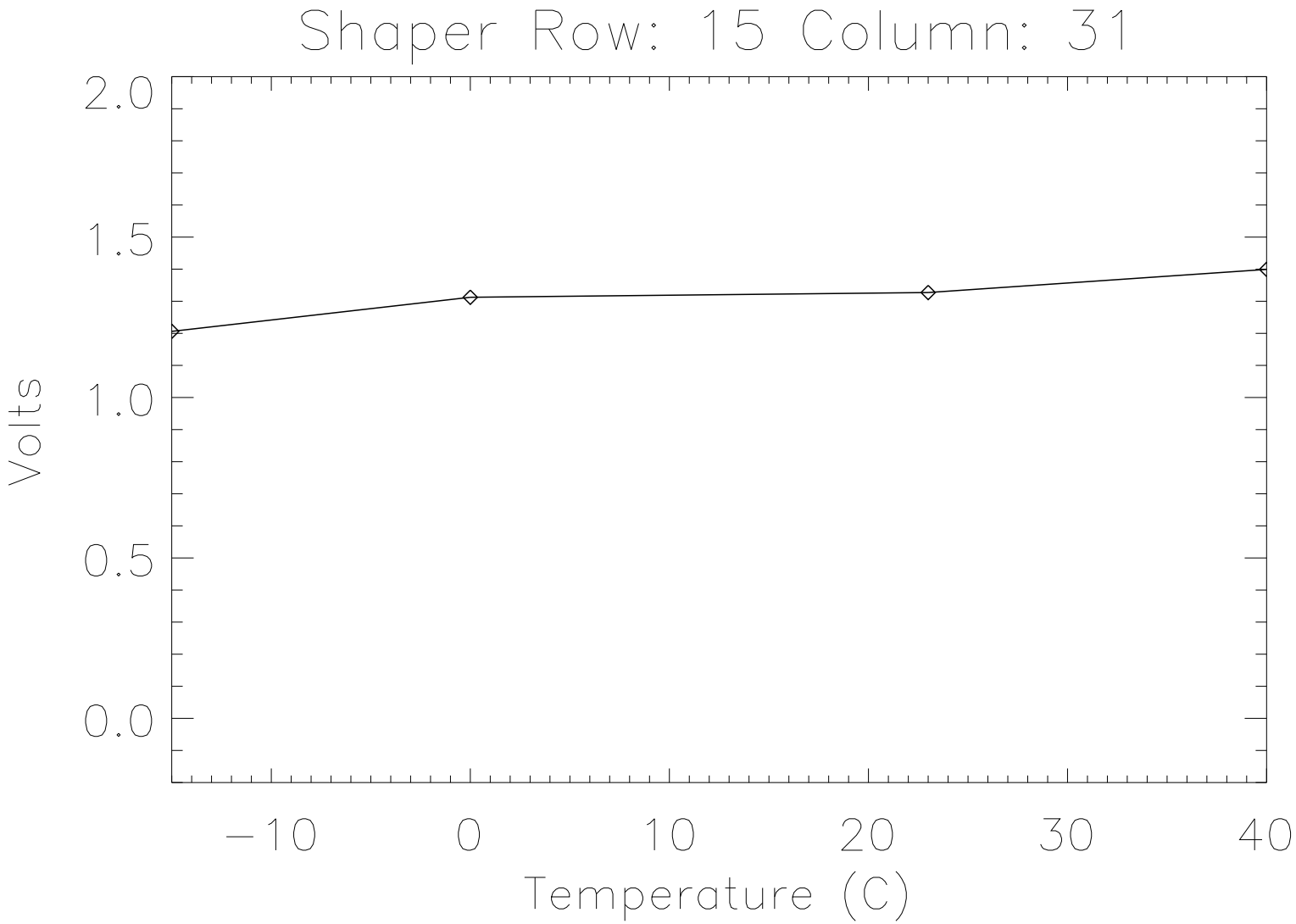
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 15 Column: 31
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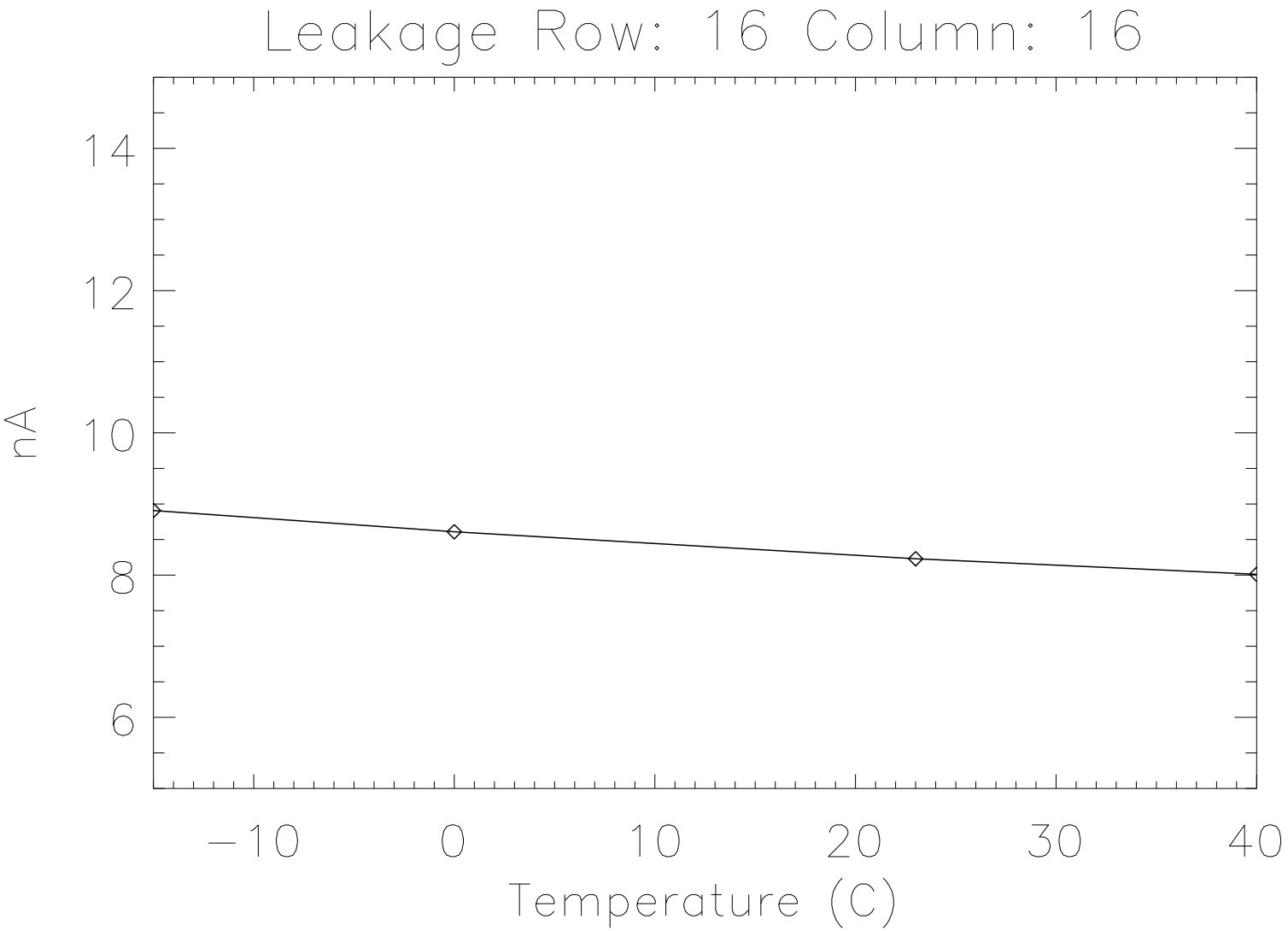
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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nA
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12
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8
6
−10
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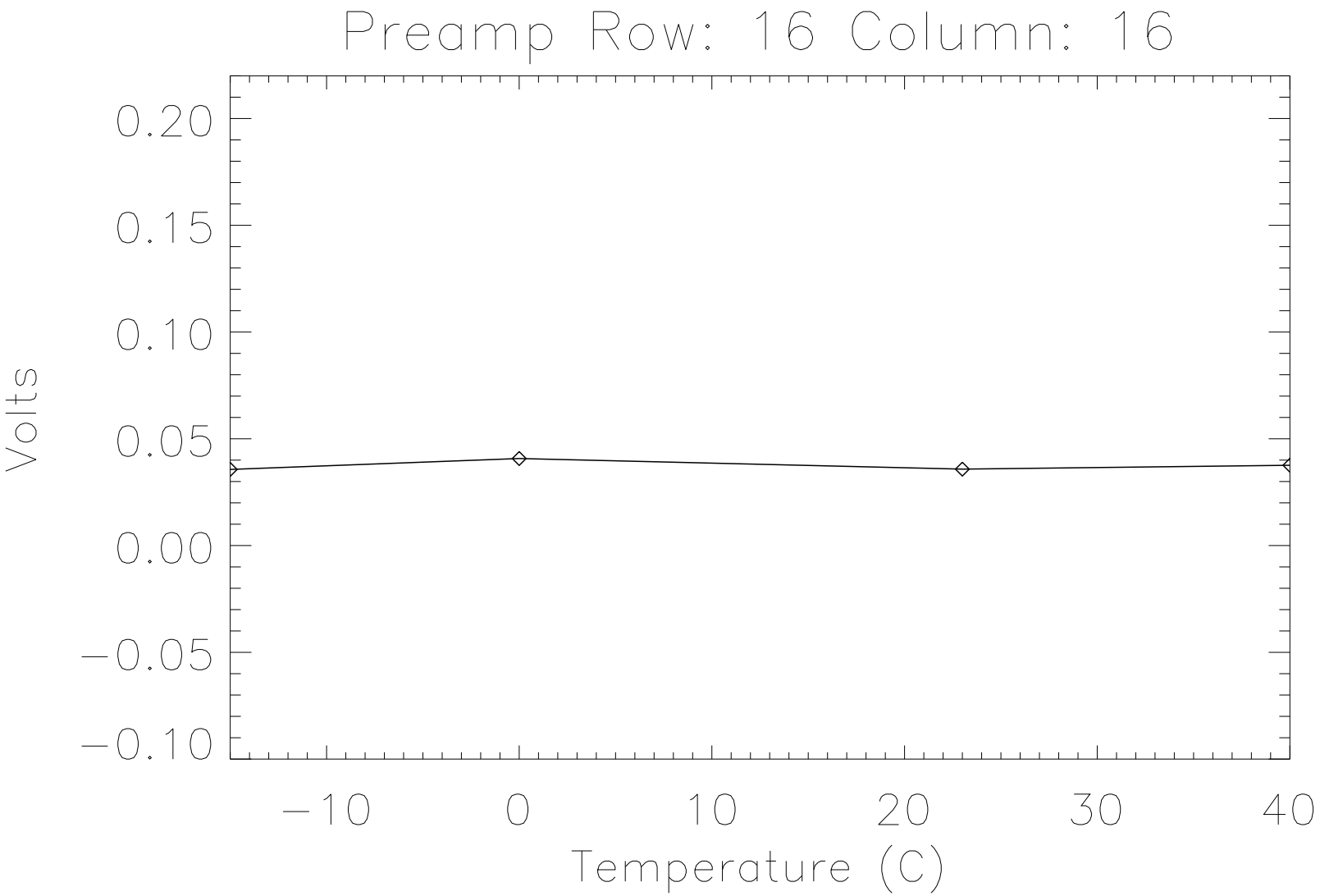
10
20
30
40
Temperature (C)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Volts
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30
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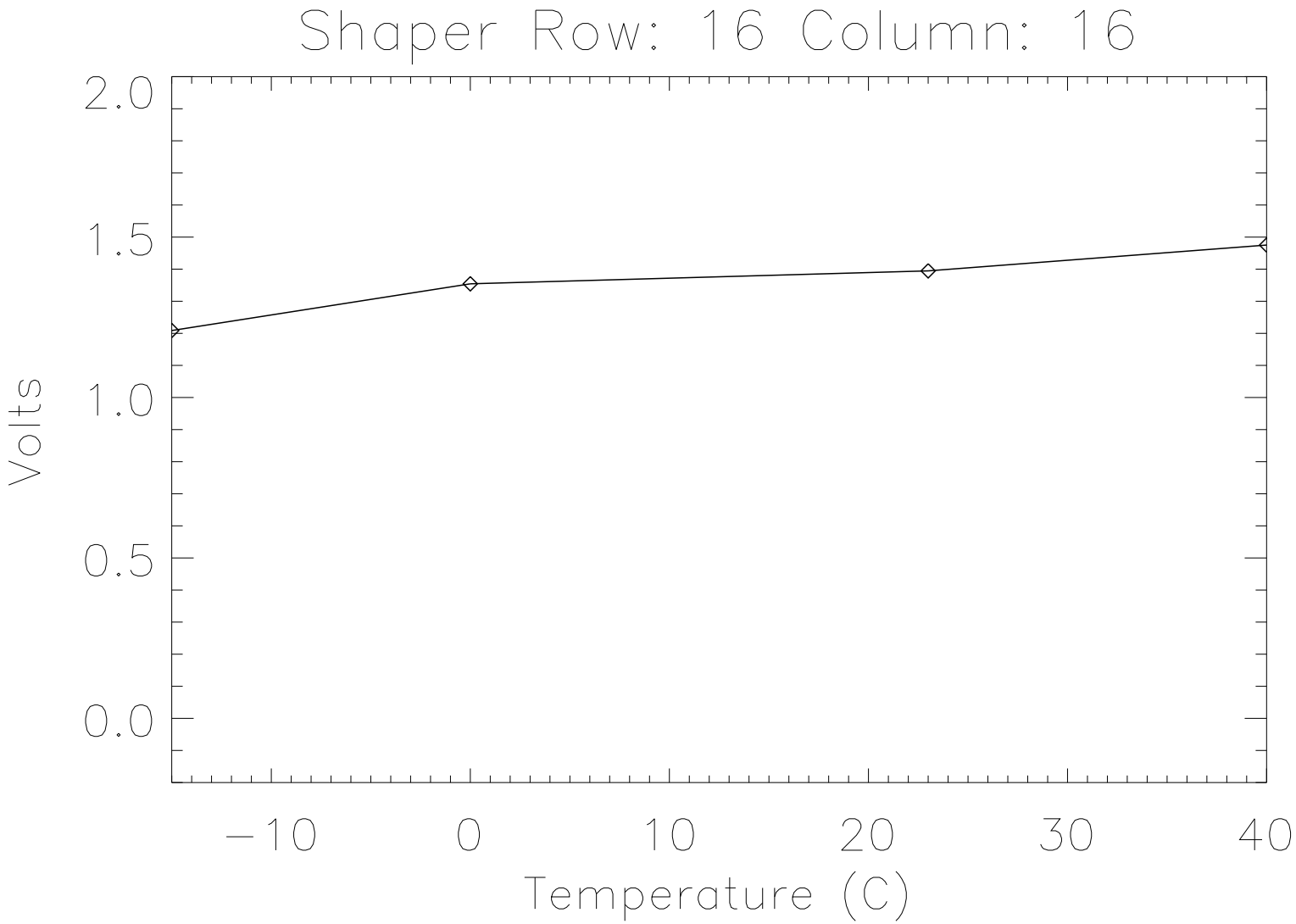
Temperature (C)


Shaper Row: 16 Column: 16
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1.0
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Volts
−10
0
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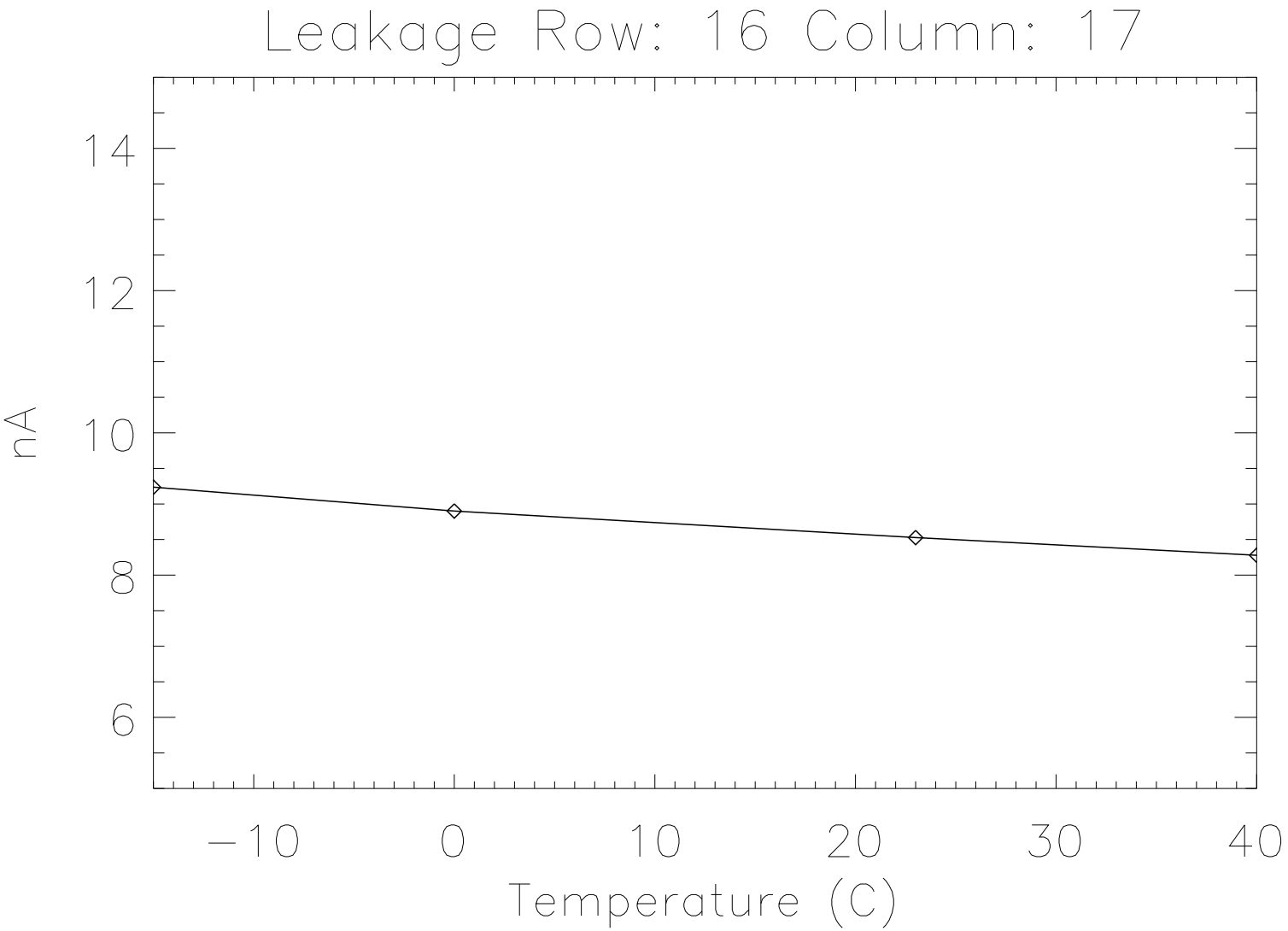
Temperature (C)


Leakage Row: 16 Column: 17
nA
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12
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8
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−10
0
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20
30
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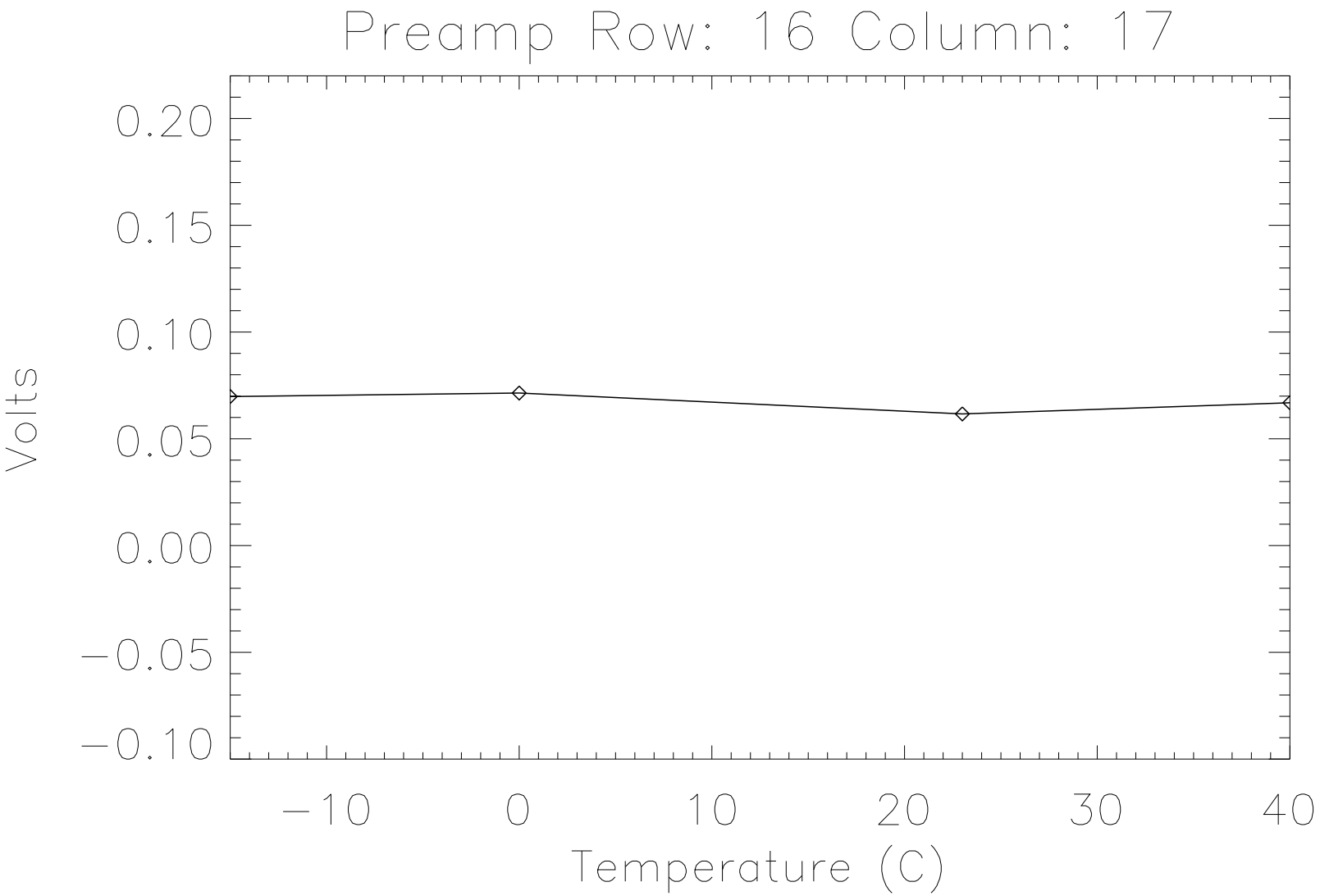
Temperature (C)


Preamp Row: 16 Column: 17
0.20
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0.10
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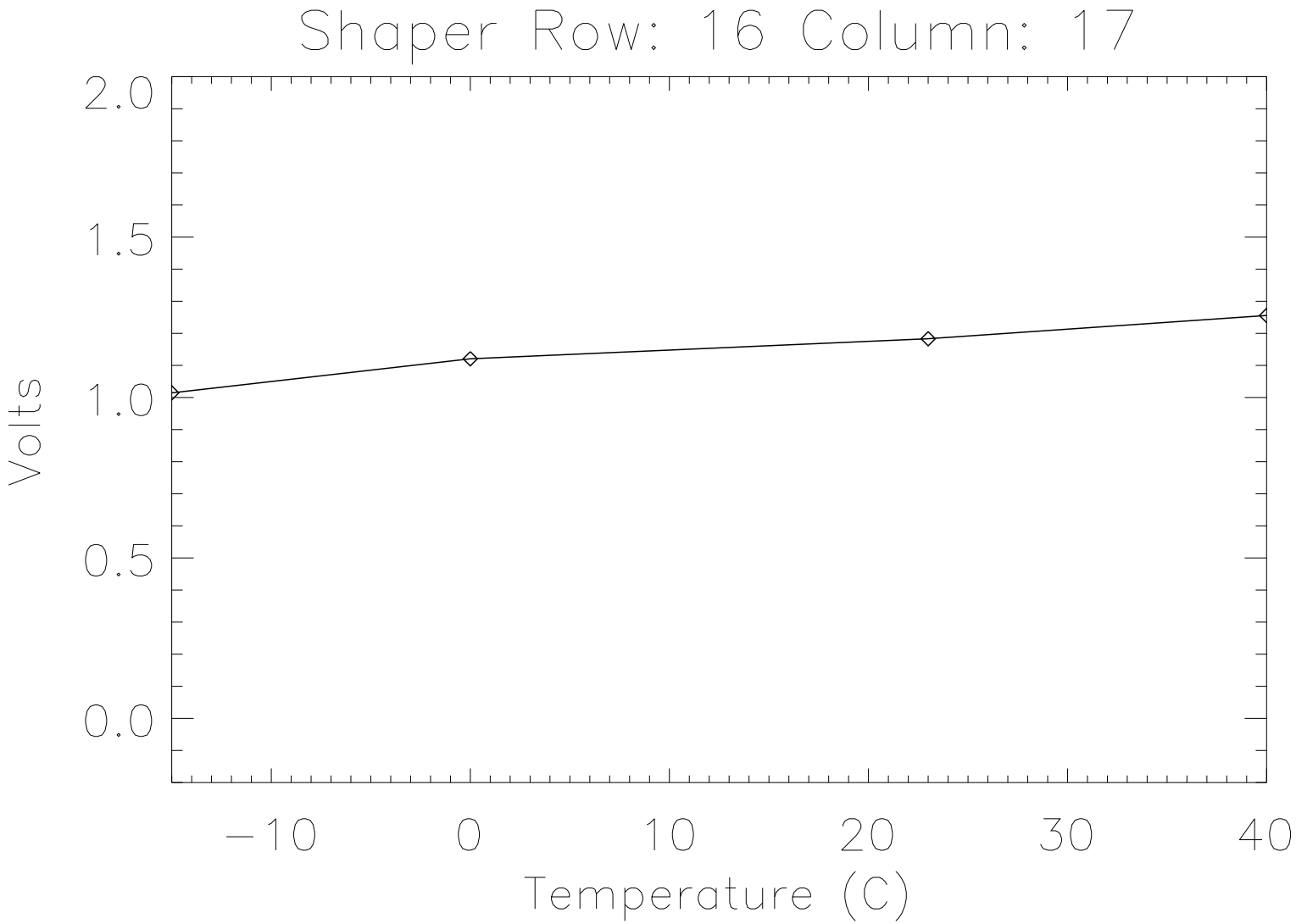
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 16 Column: 17
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1.5
1.0
0.5
0.0
Volts
−10
0
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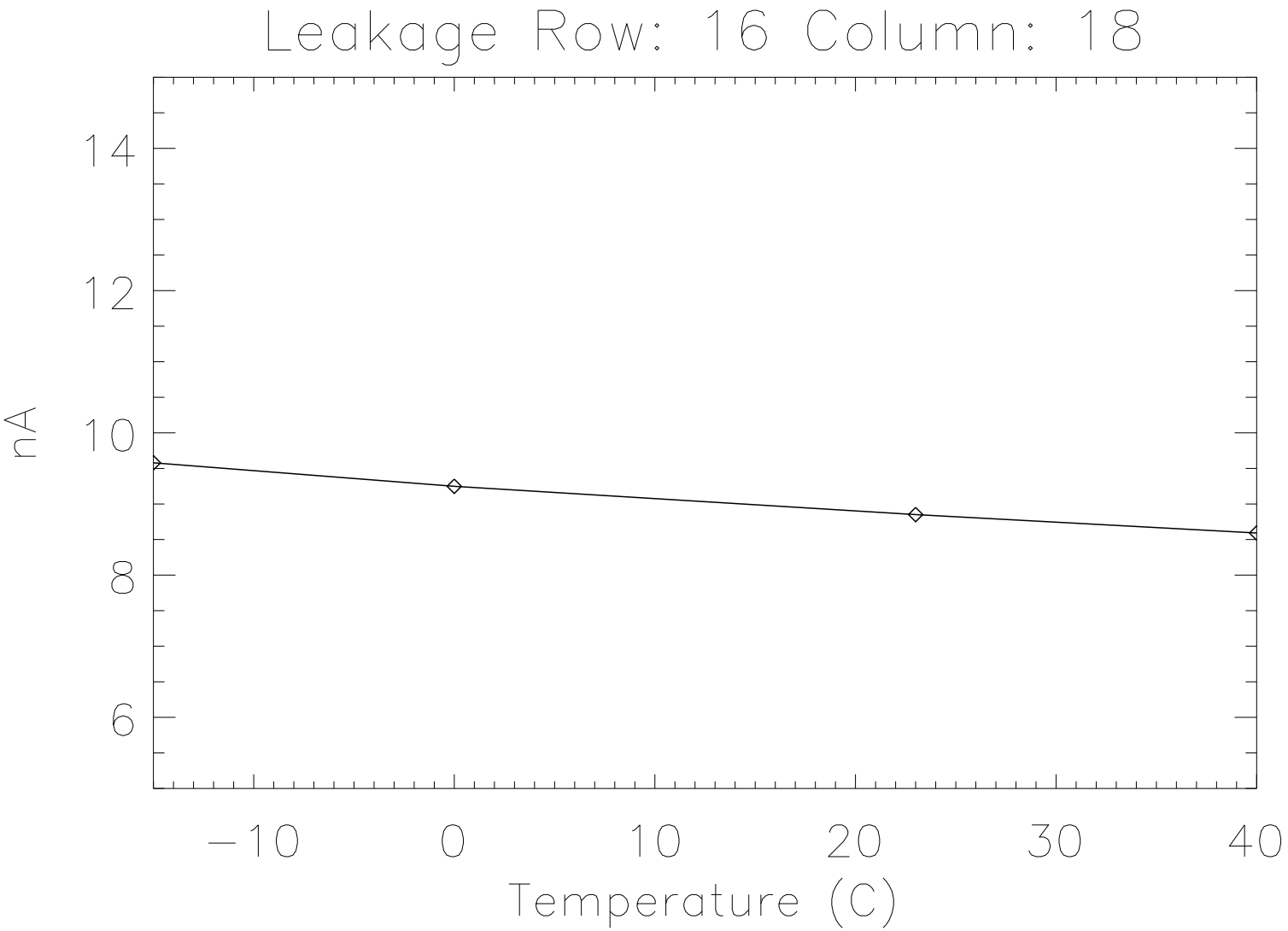
20
30
40
Temperature (C)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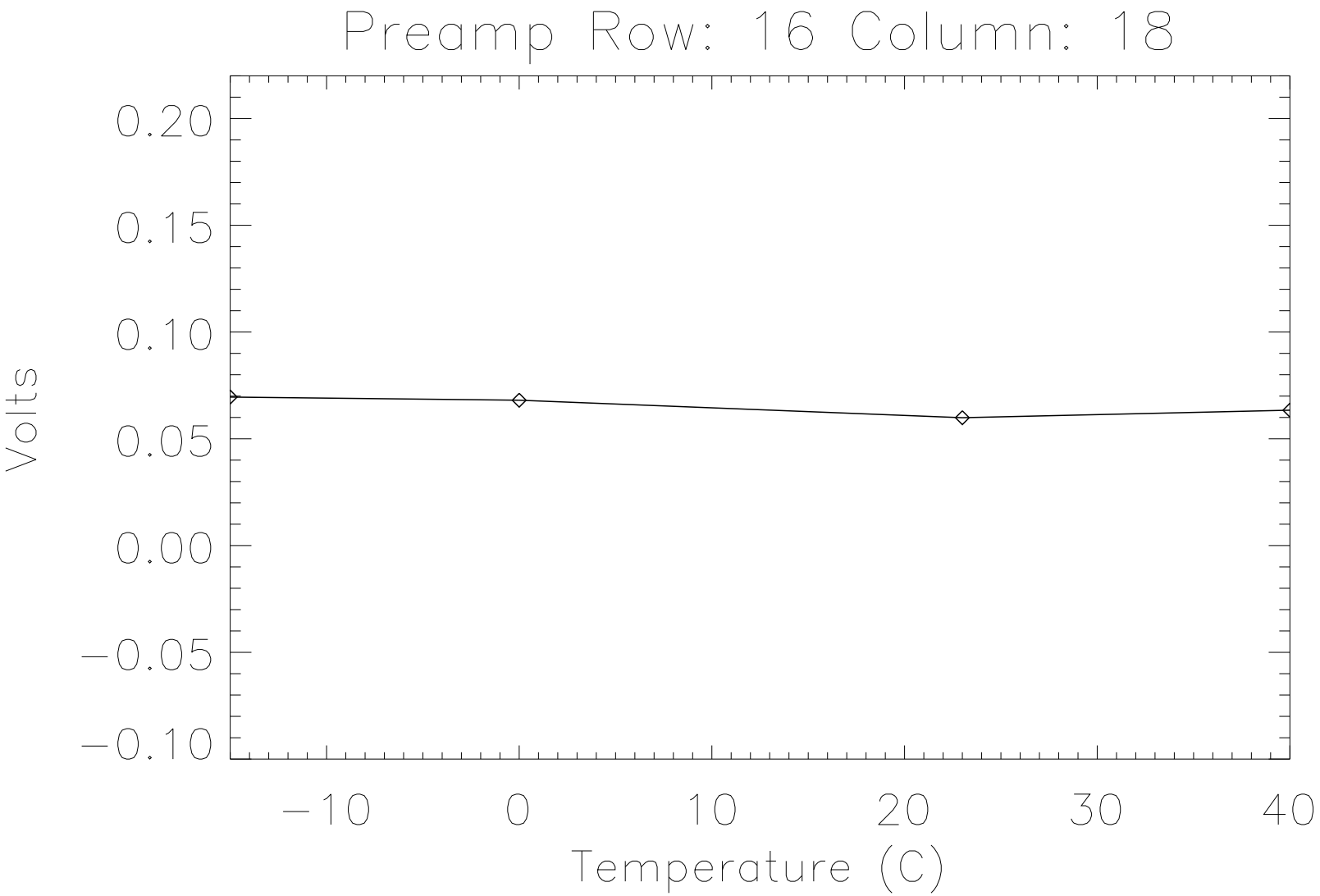
30
40
Temperature (C)


Preamp Row: 16 Column: 18
0.20
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0.10
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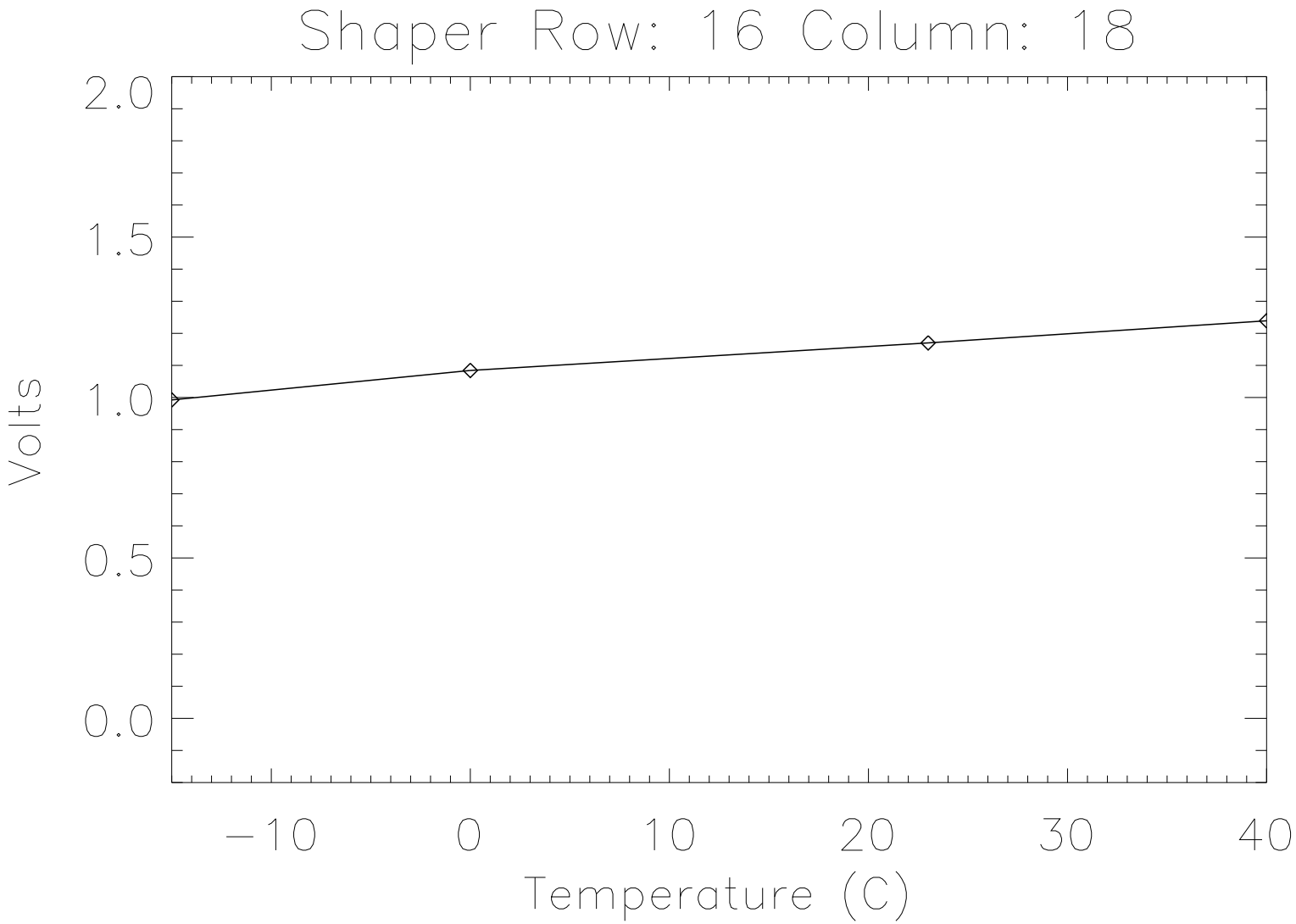
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 16 Column: 18
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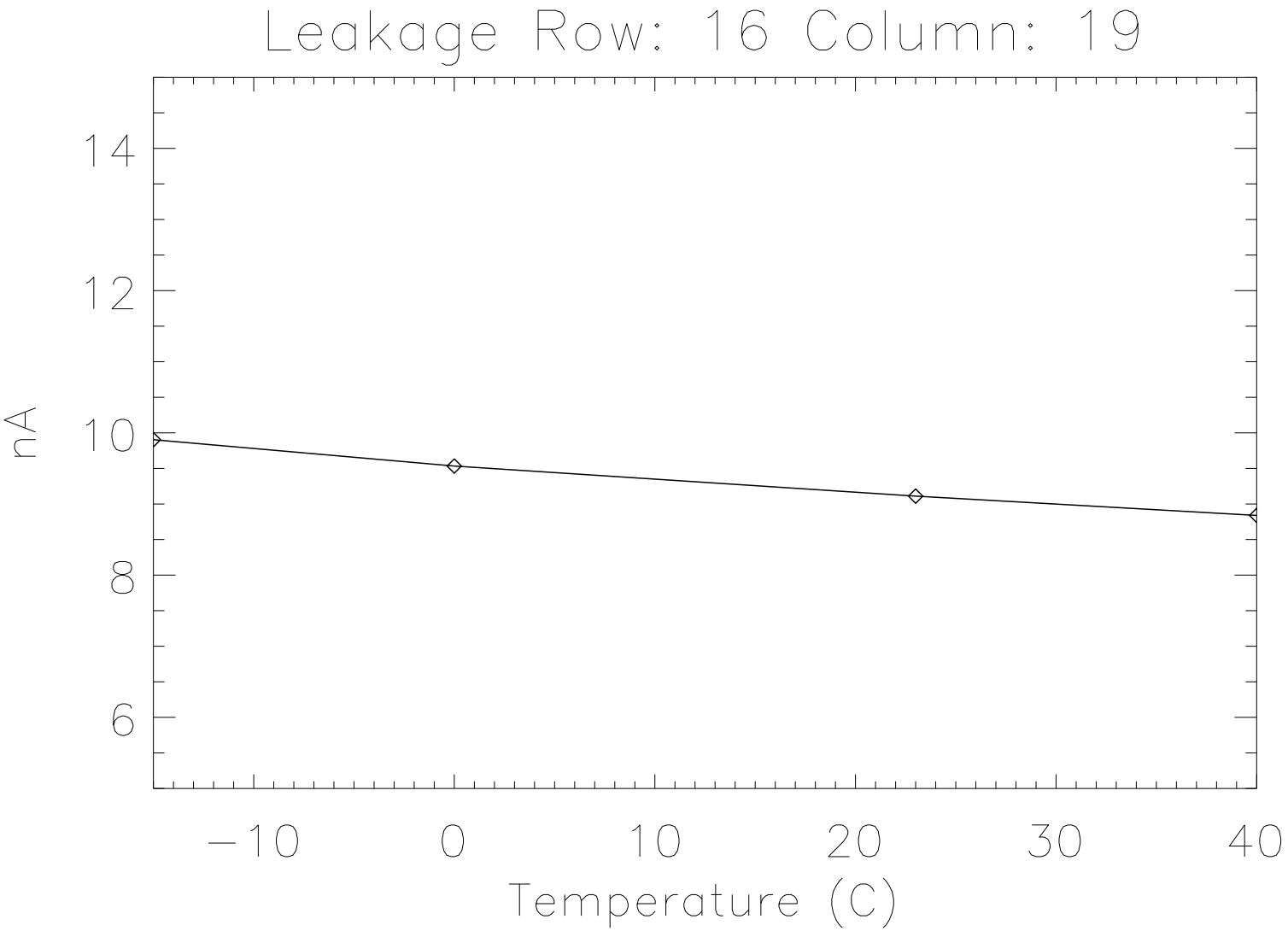
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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8
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−10
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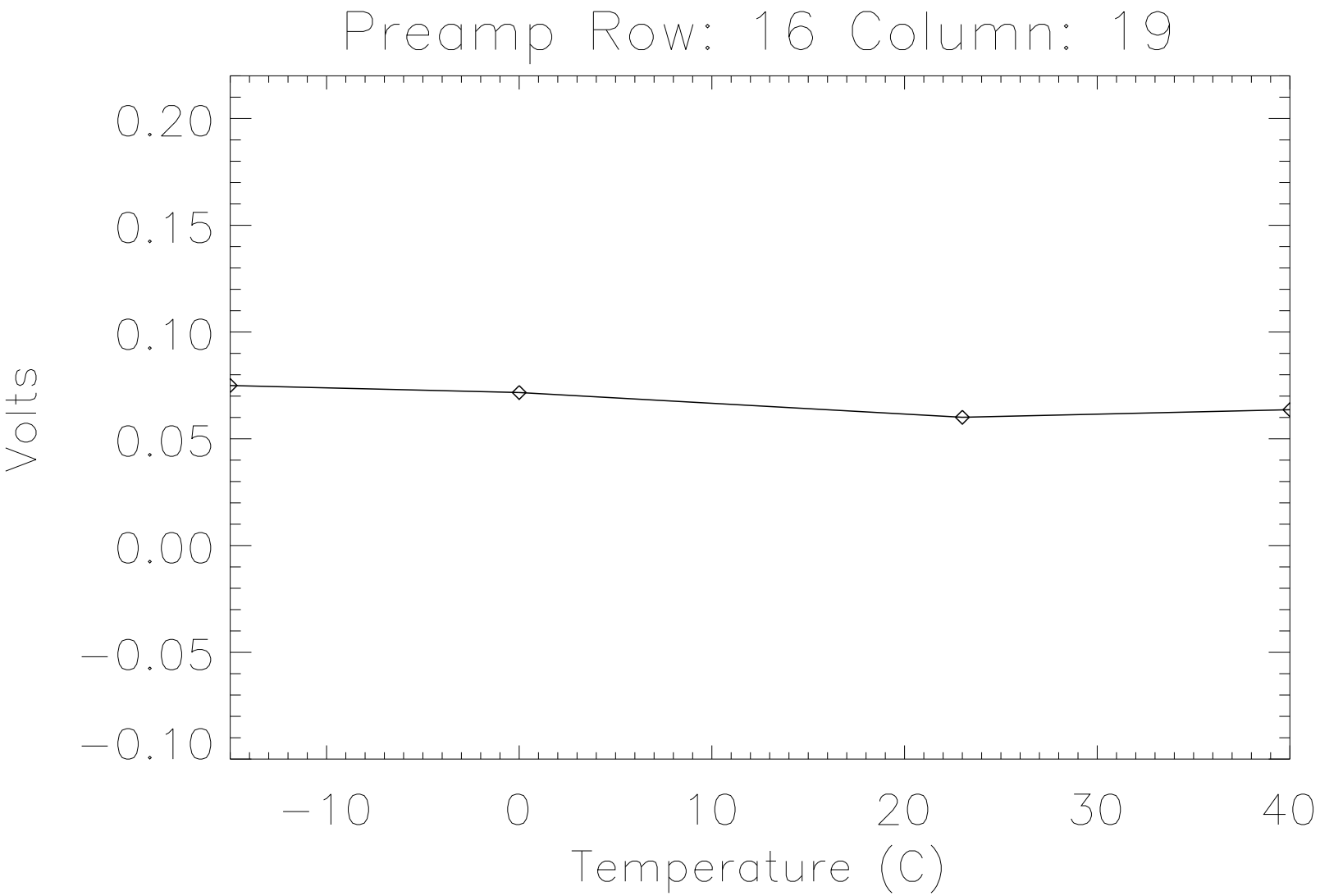
20
30
40
Temperature (C)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Volts
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30
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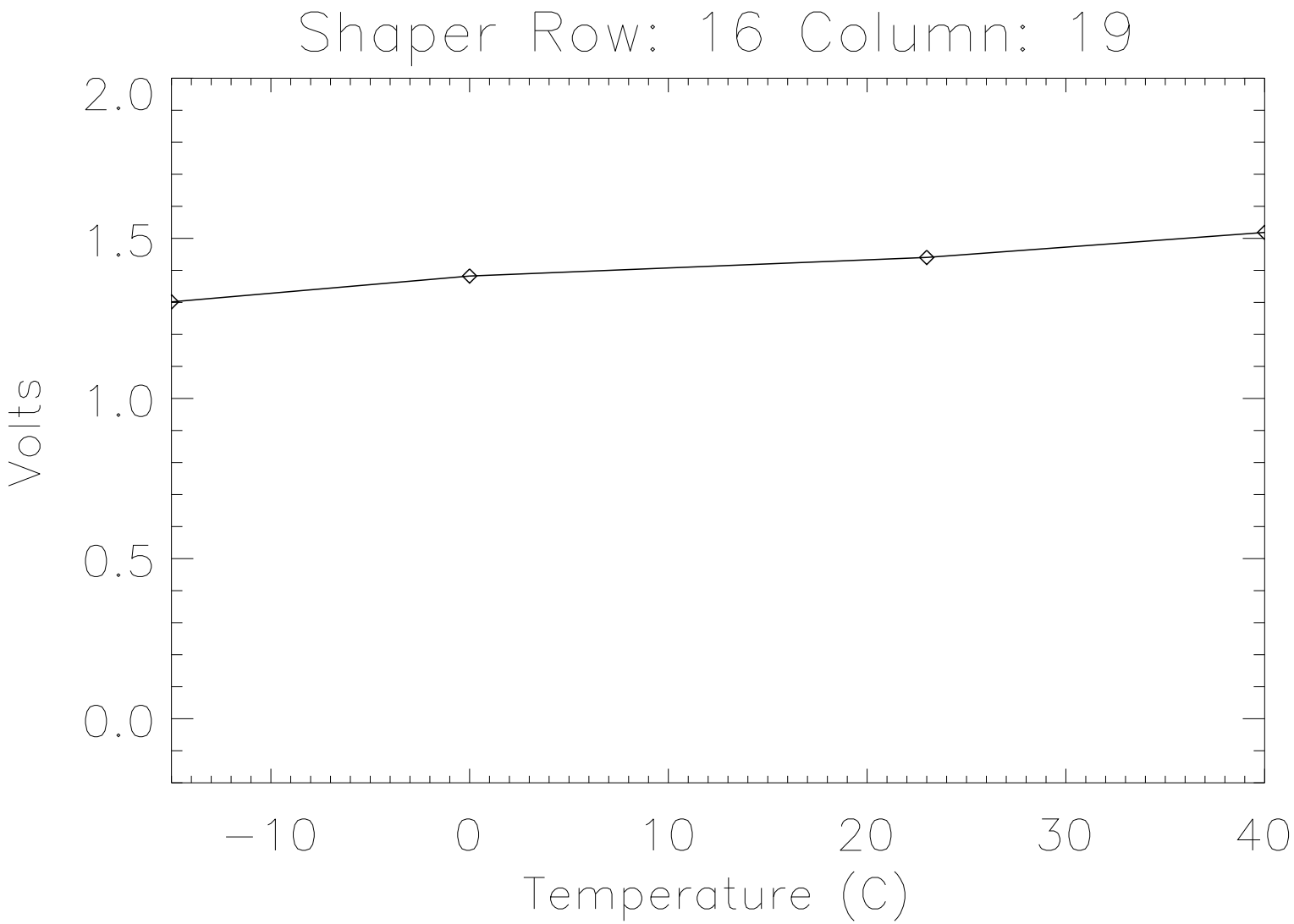
Temperature (C)


Shaper Row: 16 Column: 19
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1.5
1.0
0.5
0.0
Volts
−10
0
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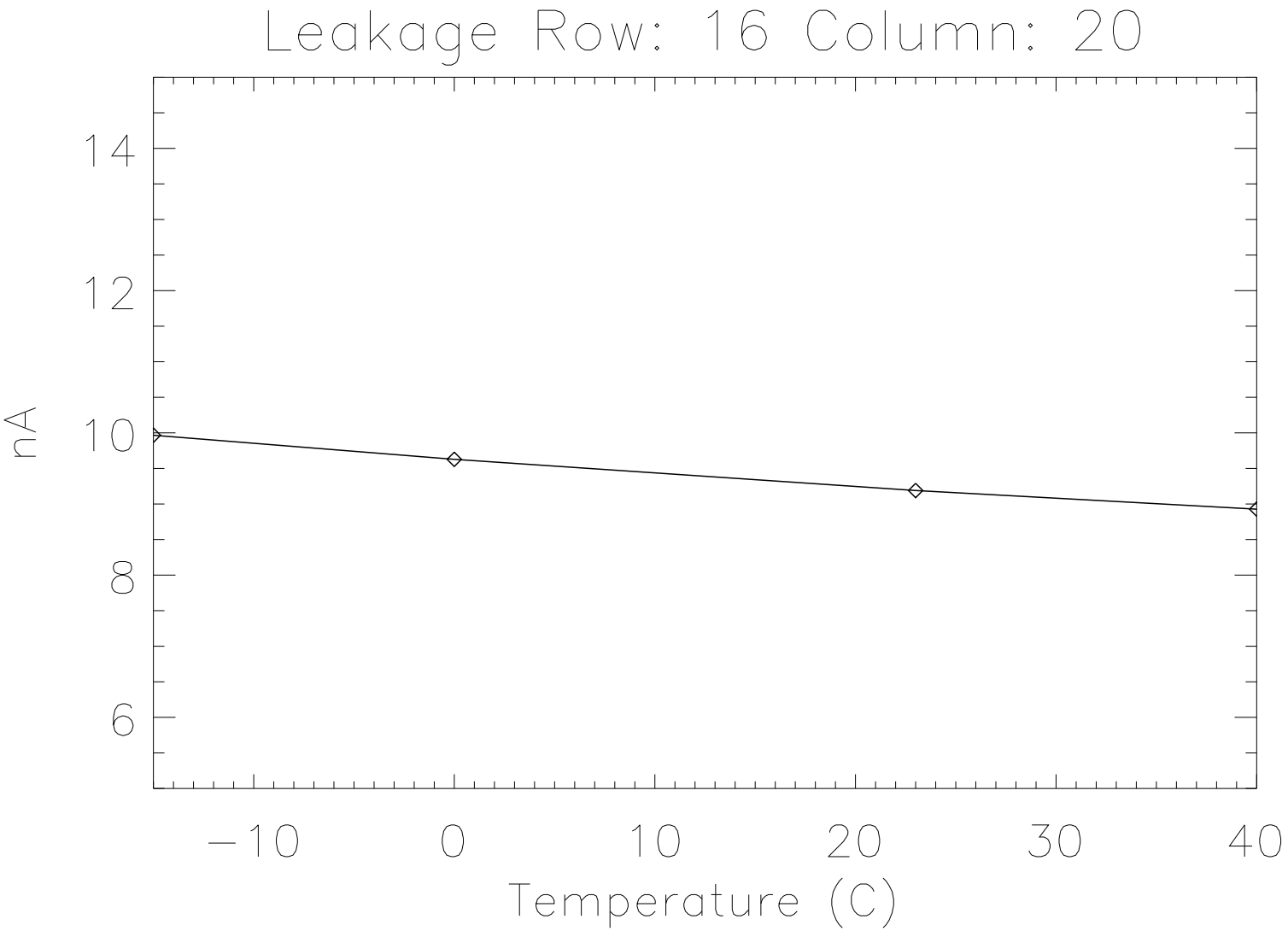
20
30
40
Temperature (C)


Leakage Row: 16 Column: 20
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8
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−10
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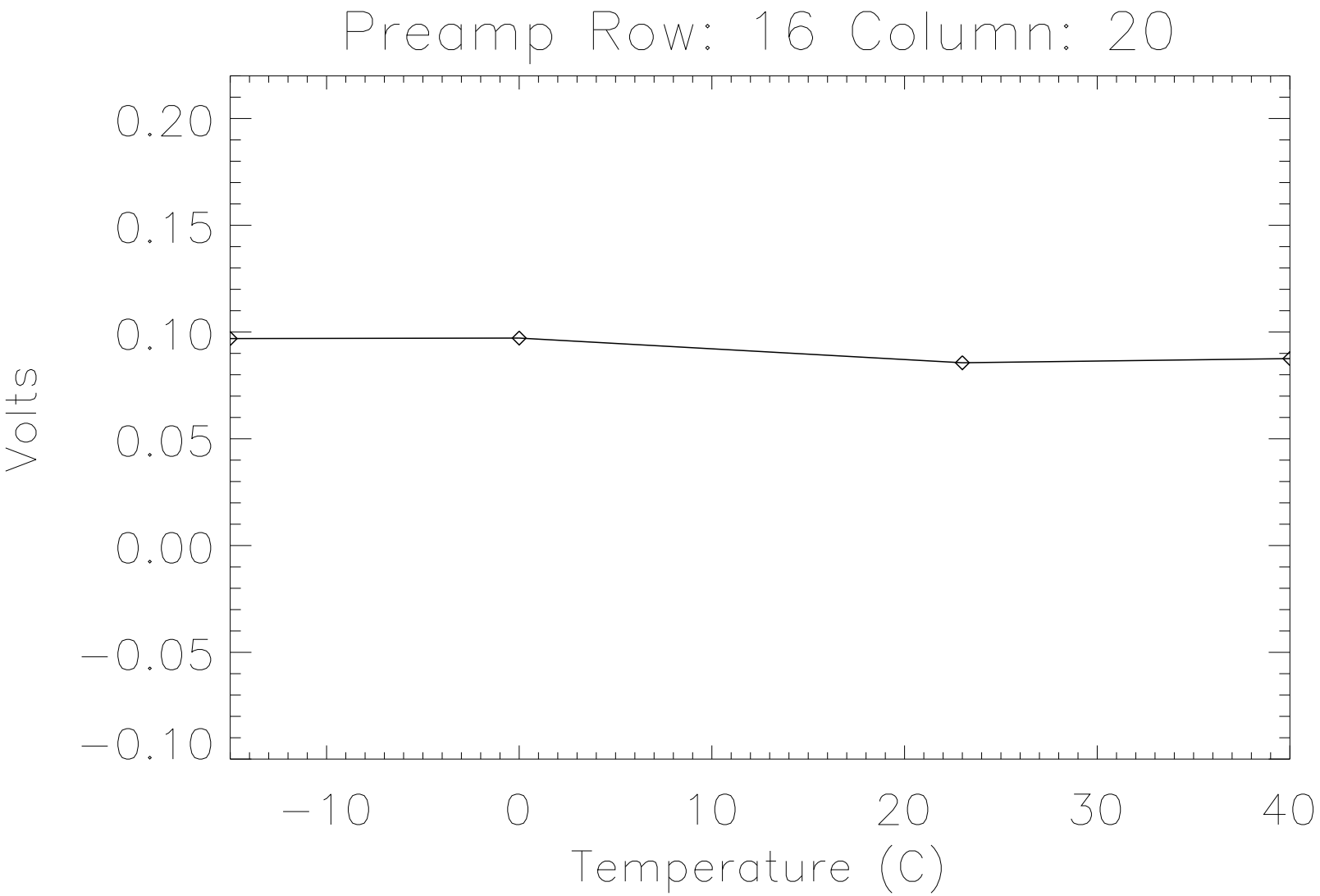
20
30
40
Temperature (C)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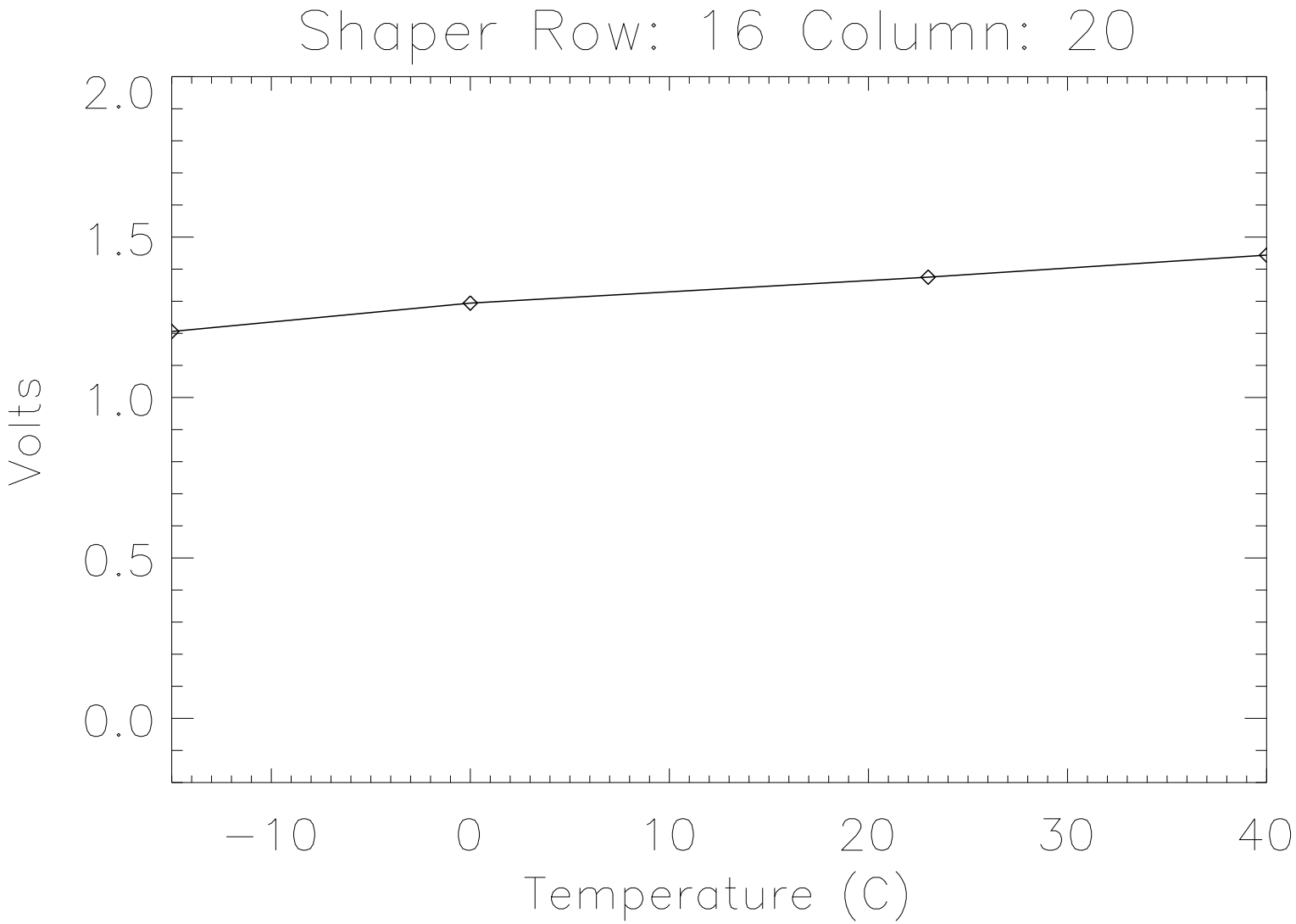
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)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Volts
−10
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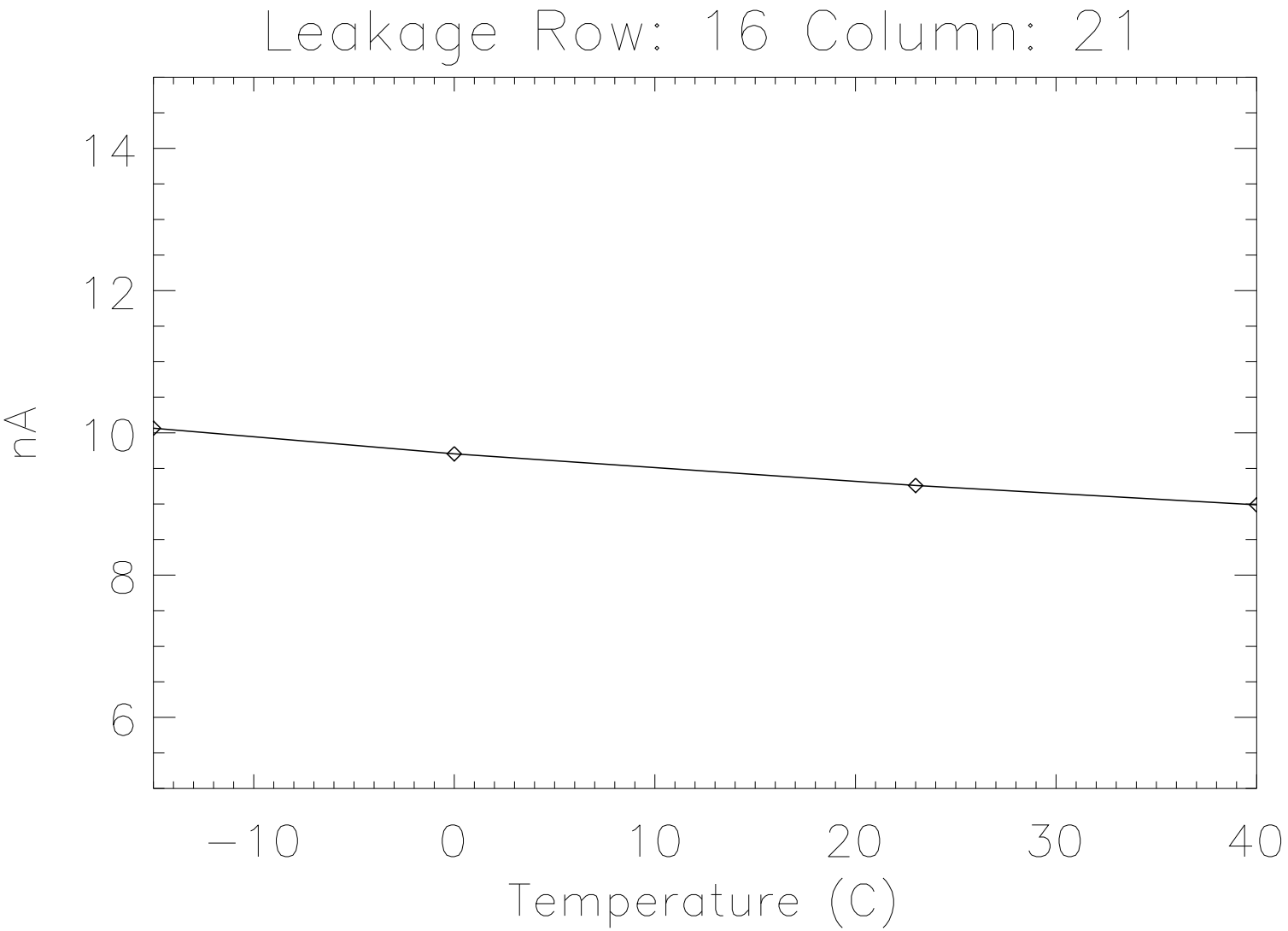
Temperature (C)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8
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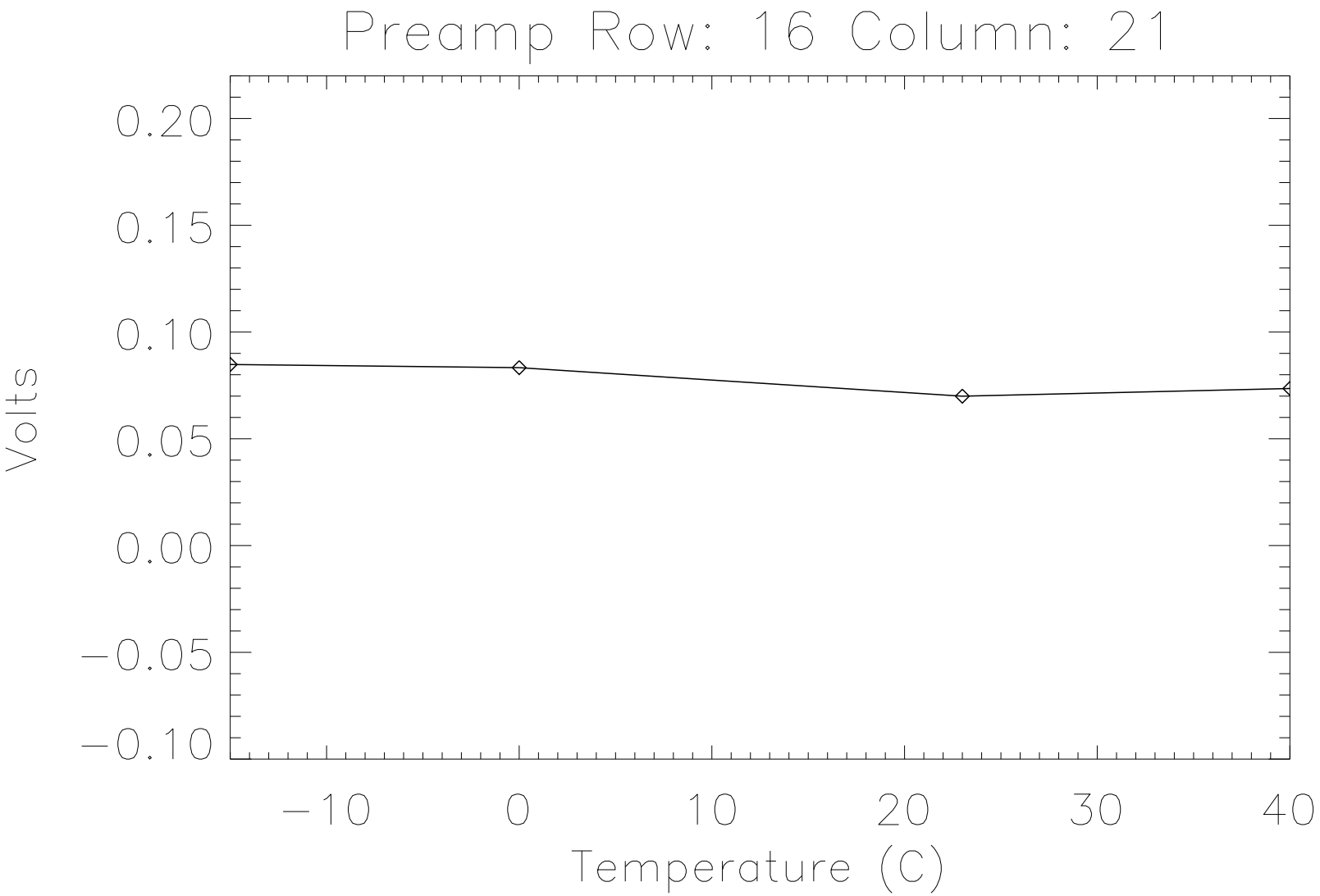
30
40
Temperature (C)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Volts
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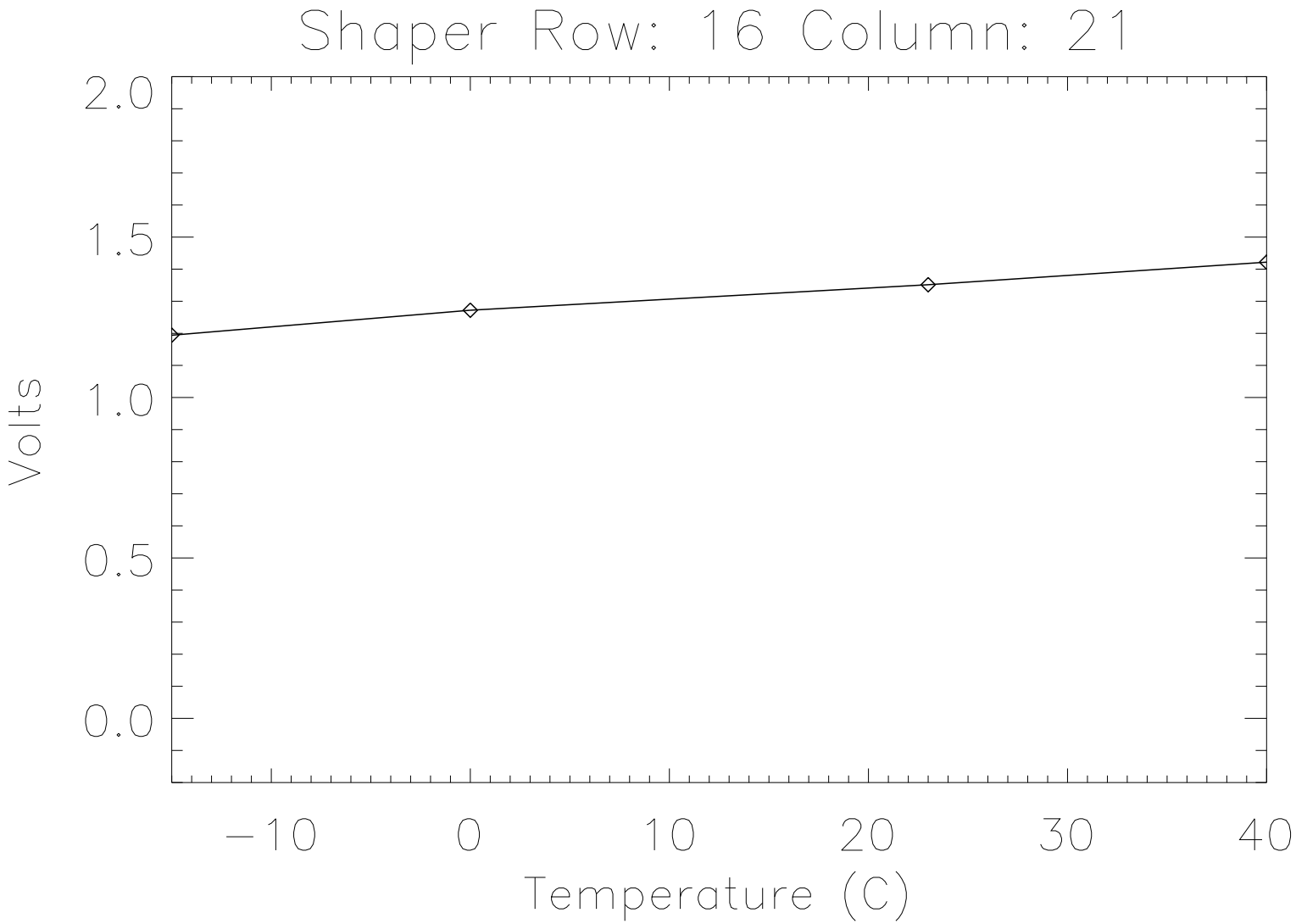
Temperature (C)


Shaper Row: 16 Column: 21
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Volts
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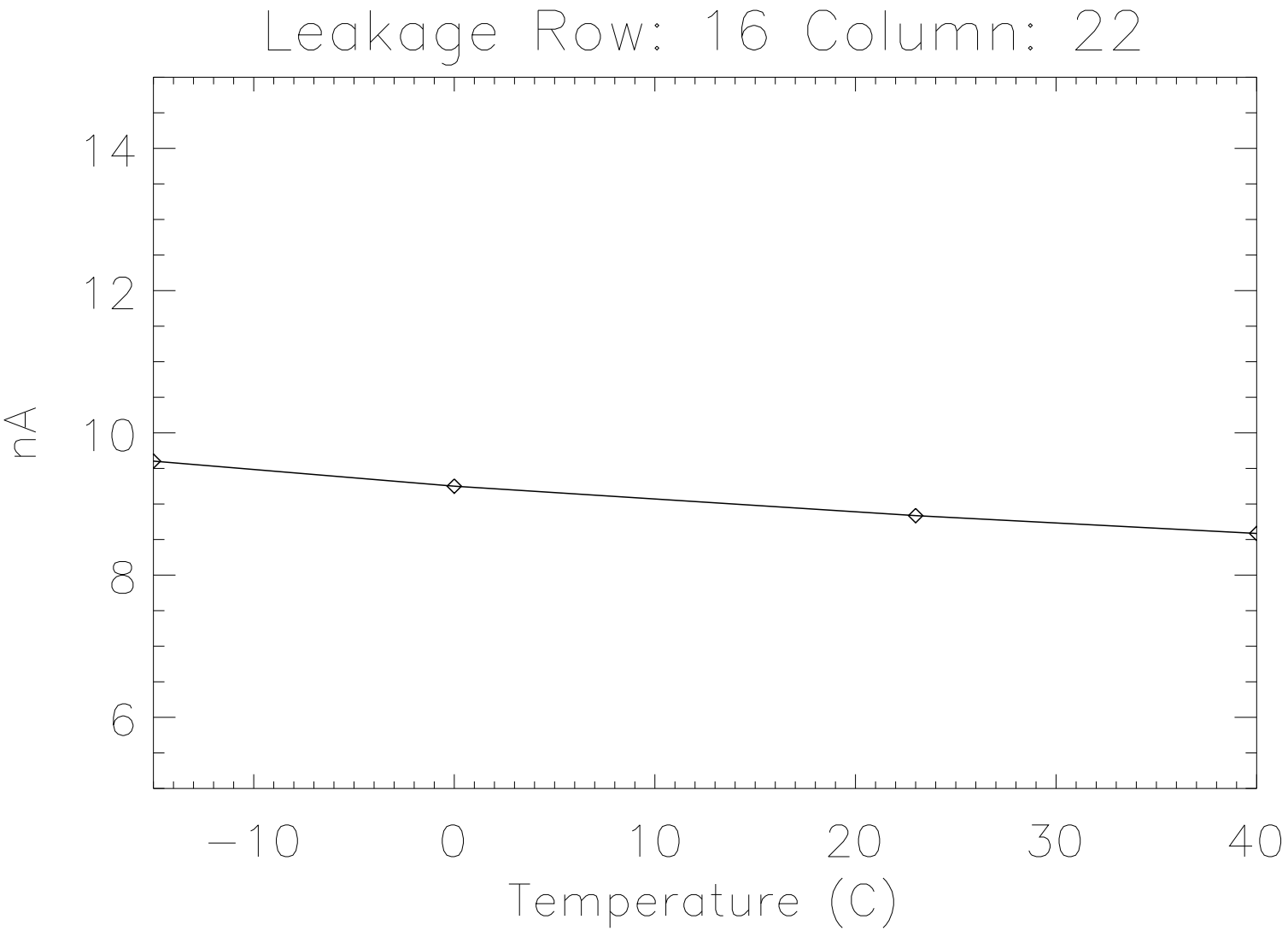
Temperature (C)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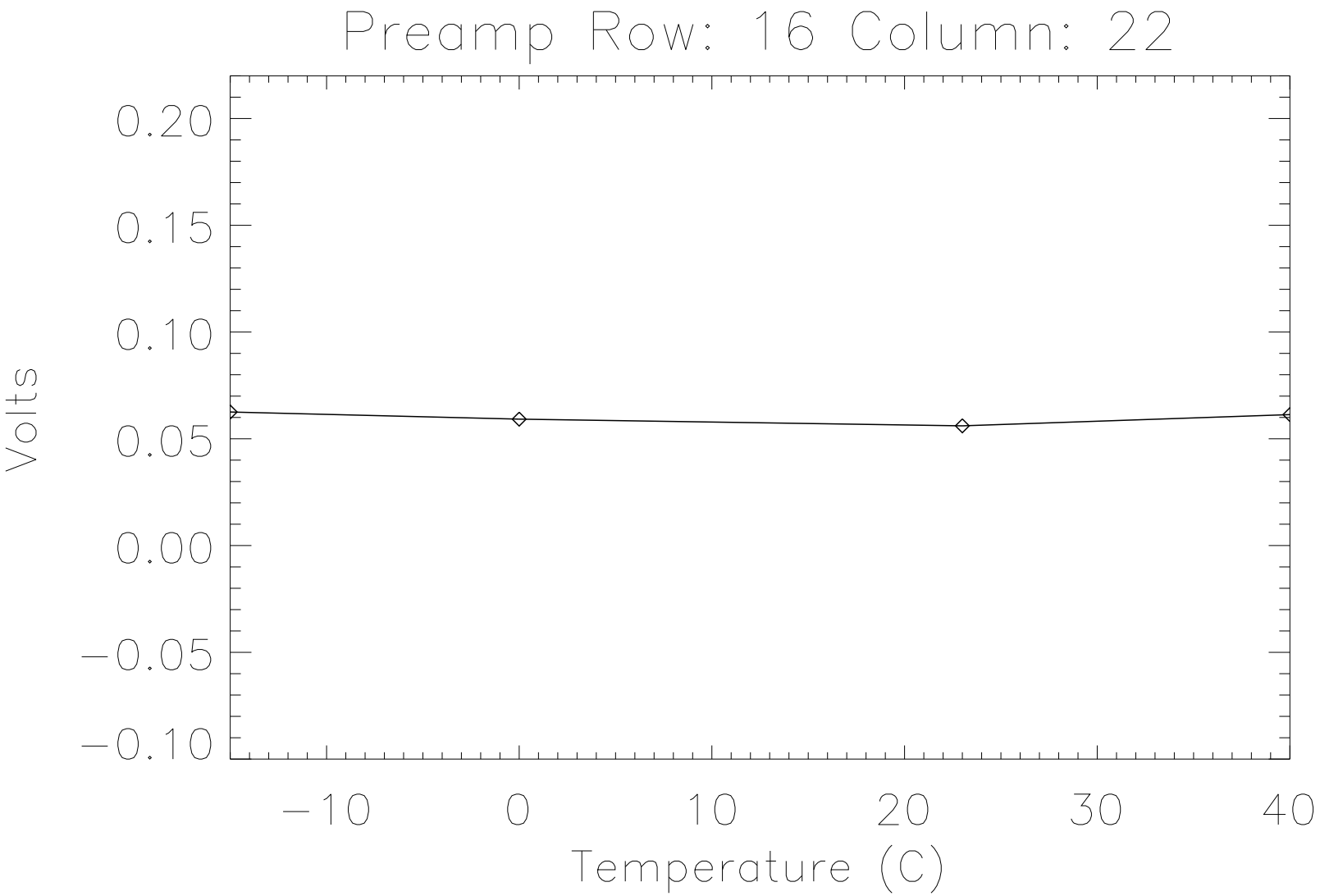
30
40
Temperature (C)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0.10
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0.00
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Volts
−10
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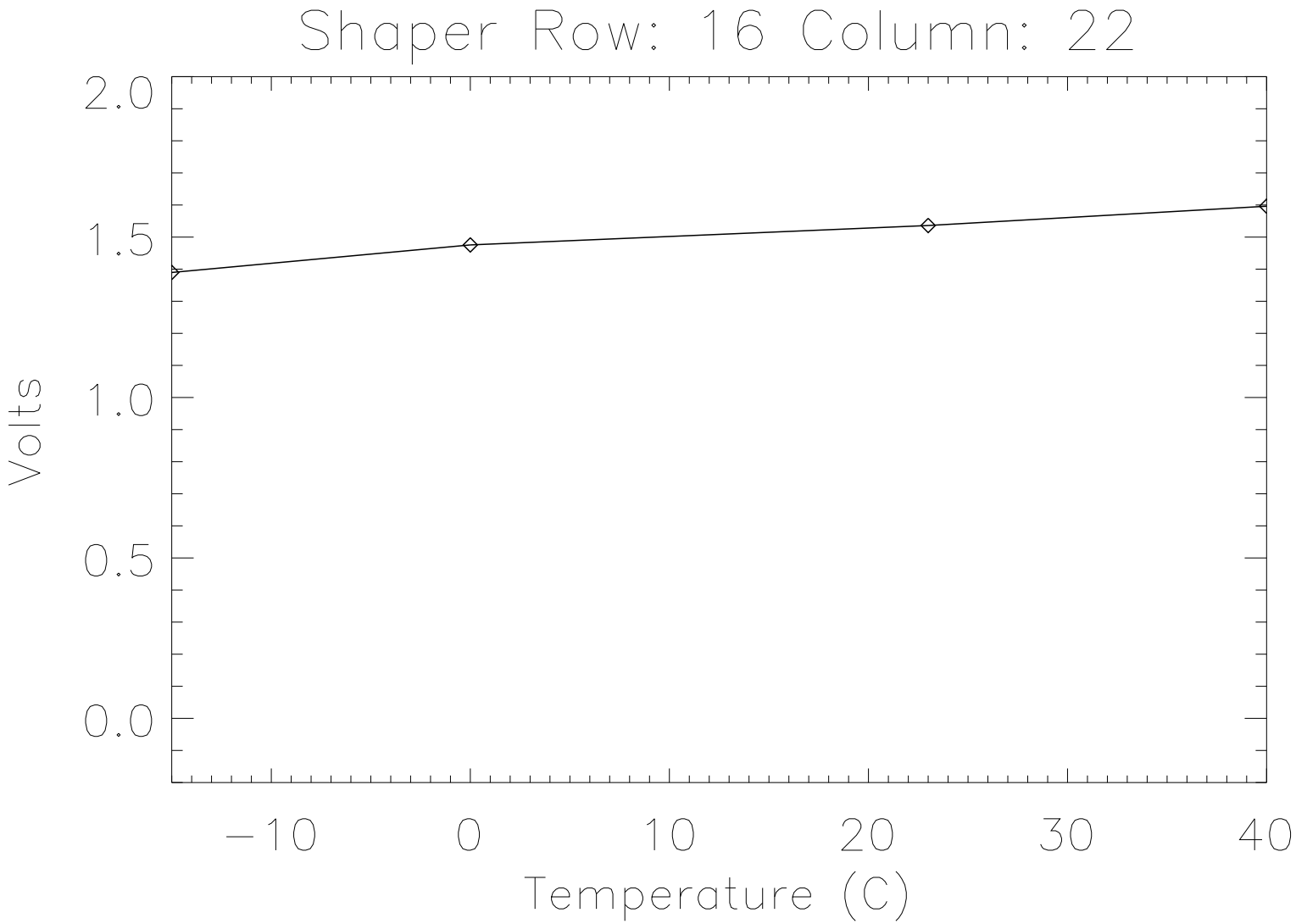
20
30
40
Temperature (C)


Shaper Row: 16 Column: 22
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1.5
1.0
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0.0
Volts
−10
0
10
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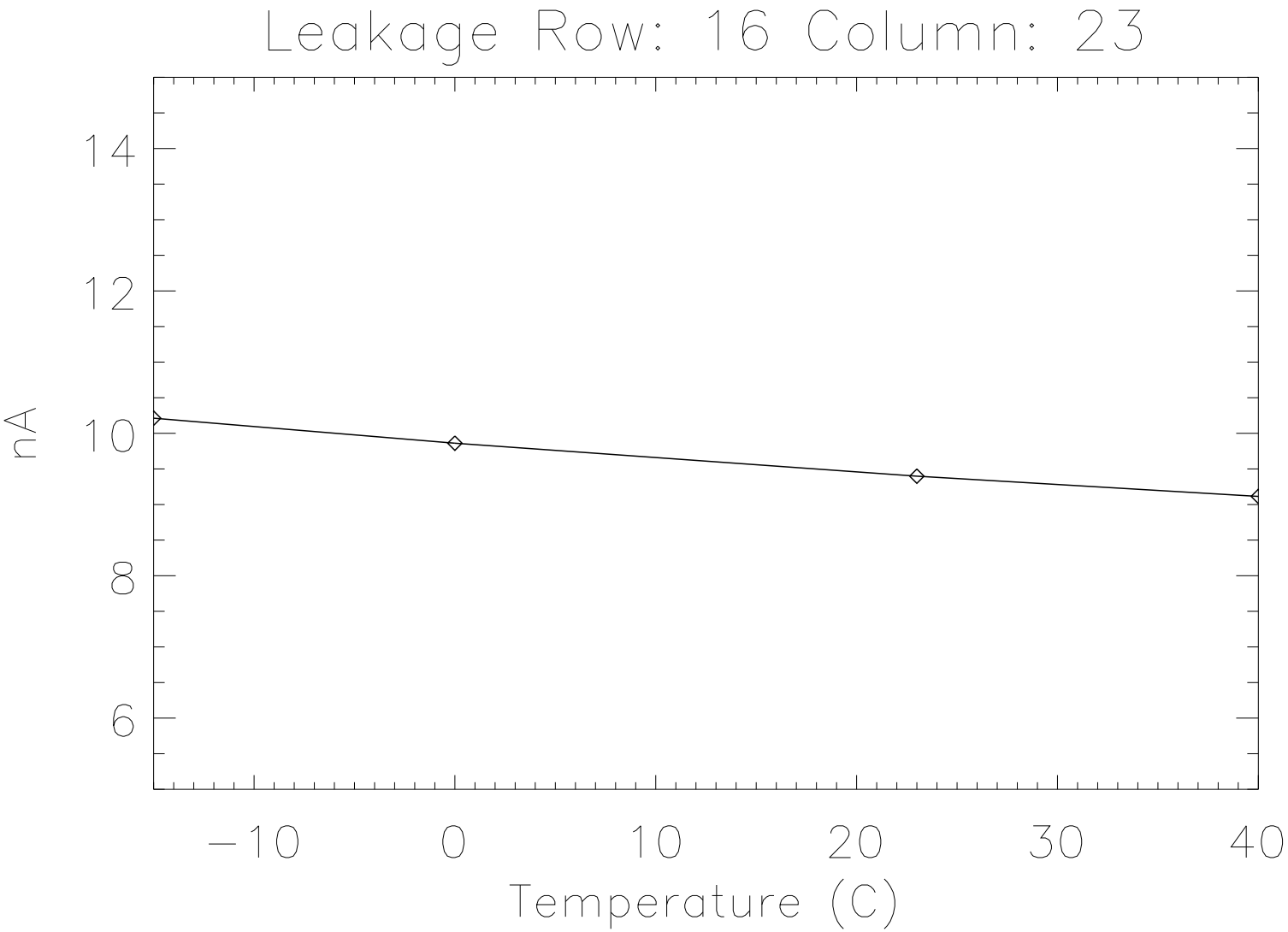
30
40
Temperature (C)


Leakage Row: 16 Column: 23
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nA
−10
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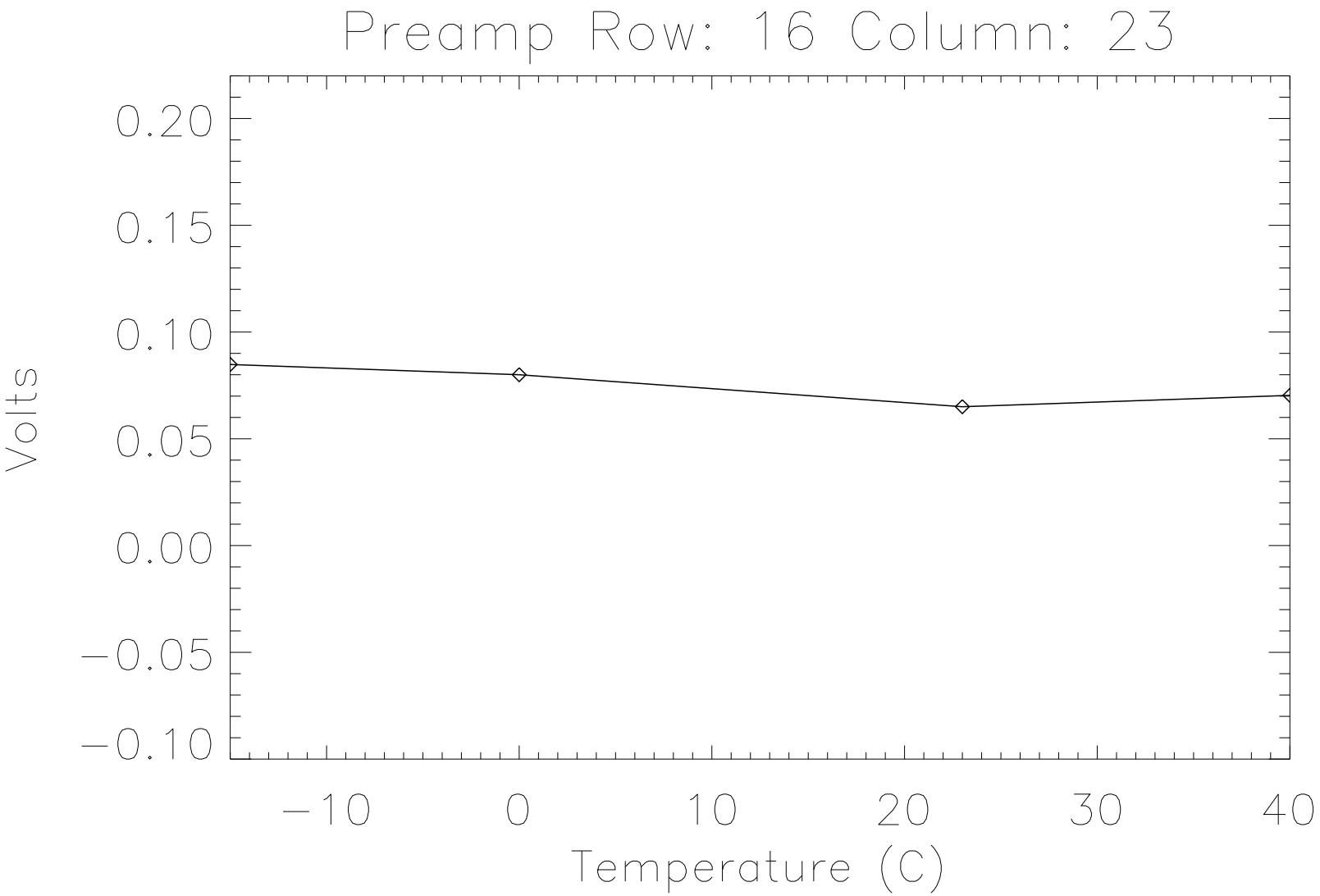
30
40
Temperature (C)


Preamp Row: 16 Column: 23
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Volts
−10
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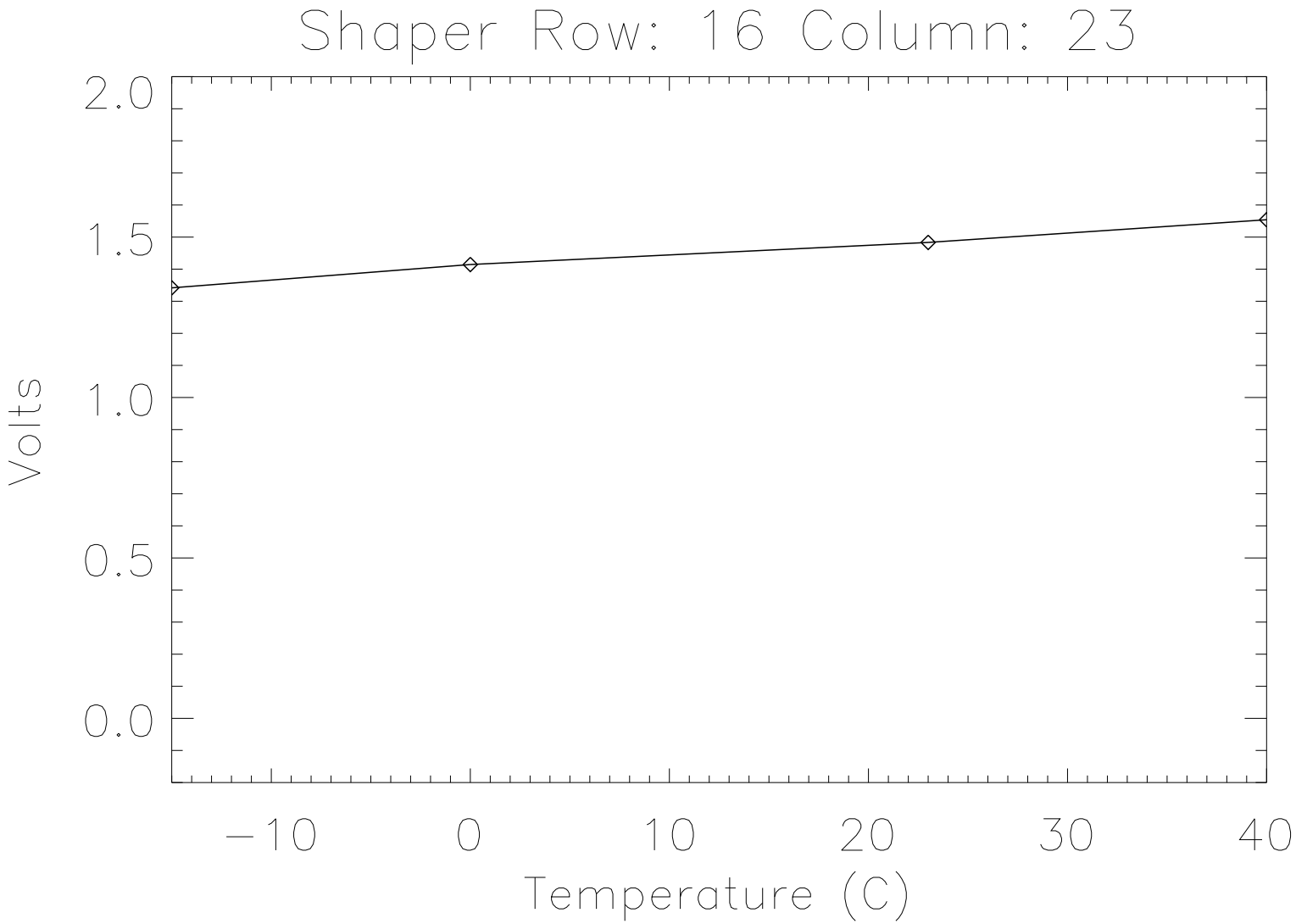
30
40
Temperature (C)


Shaper Row: 16 Column: 23
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1.5
1.0
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Volts
−10
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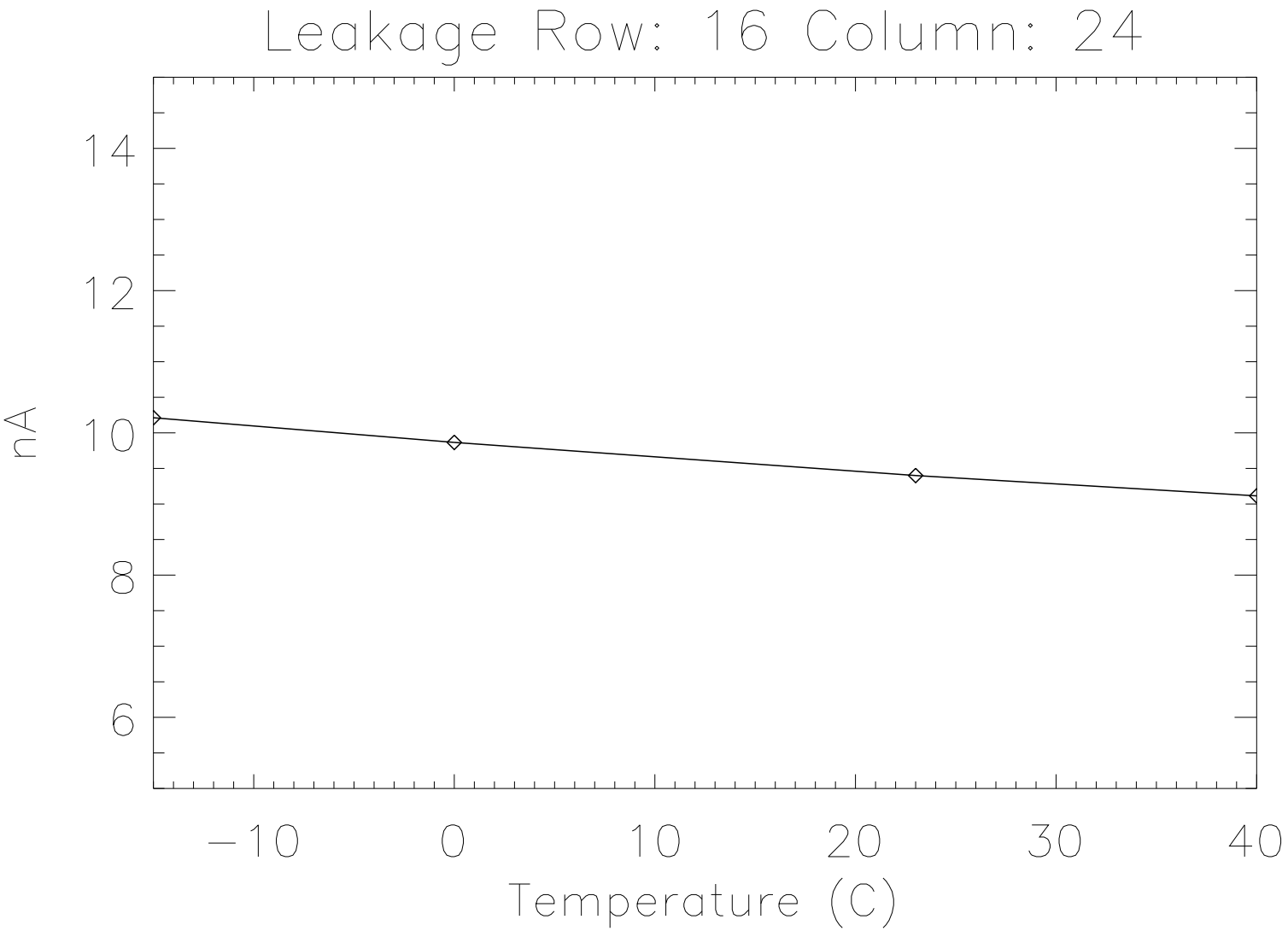
Temperature (C)


Leakage Row: 16 Column: 24
nA
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−10
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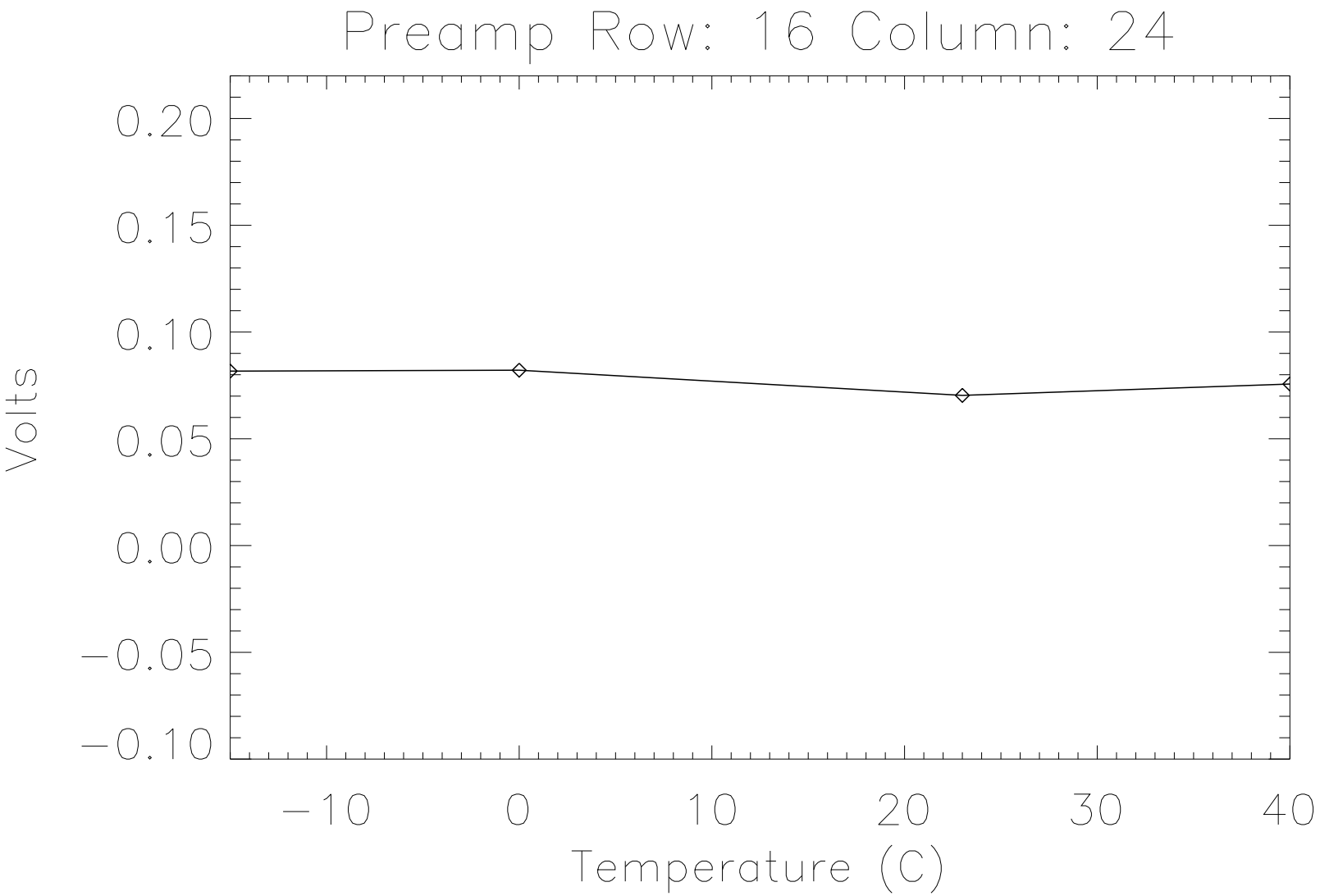
Temperature (C)


Preamp Row: 16 Column: 24
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0.00
−0.05
−0.10
Volts
−10
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10
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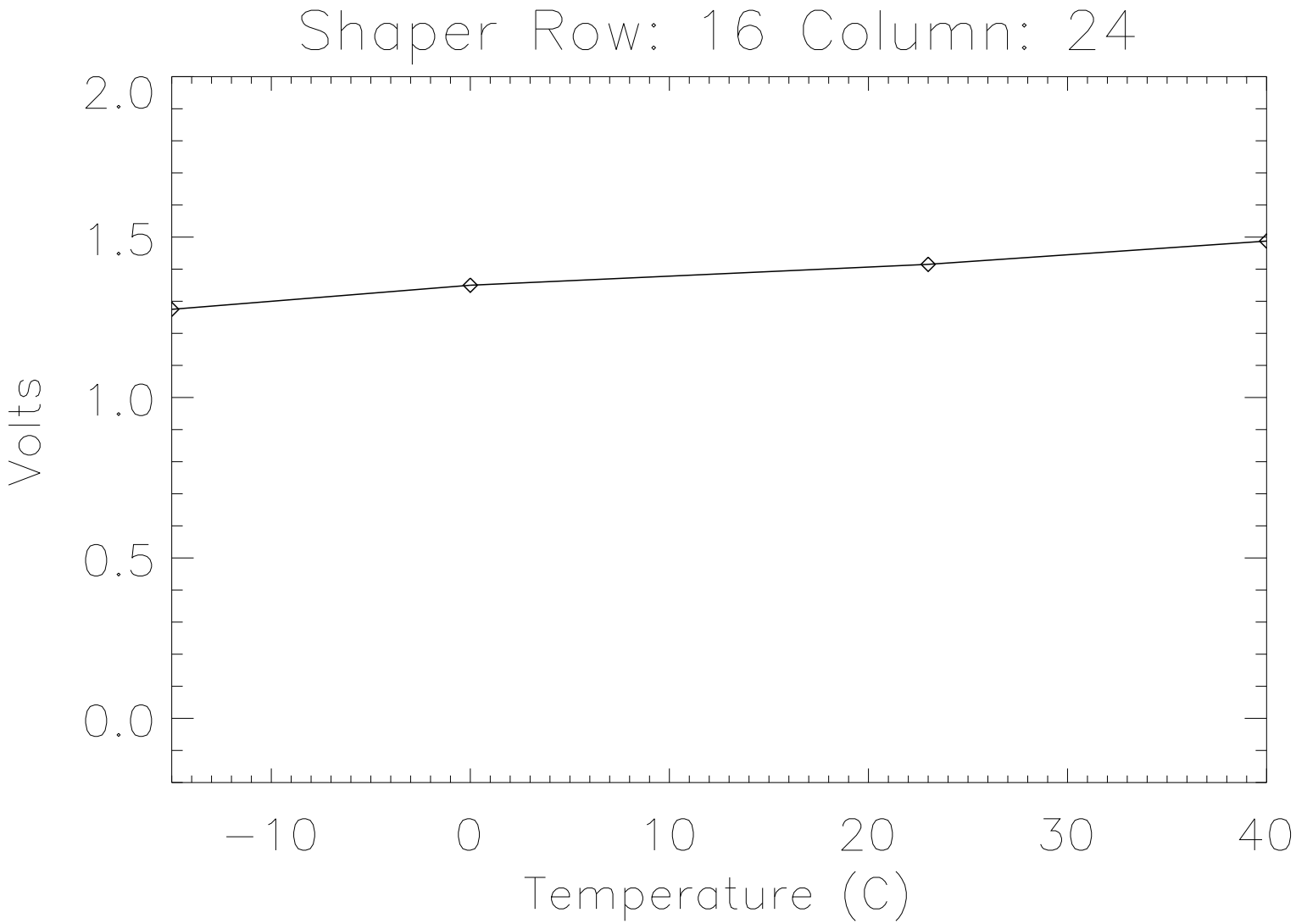
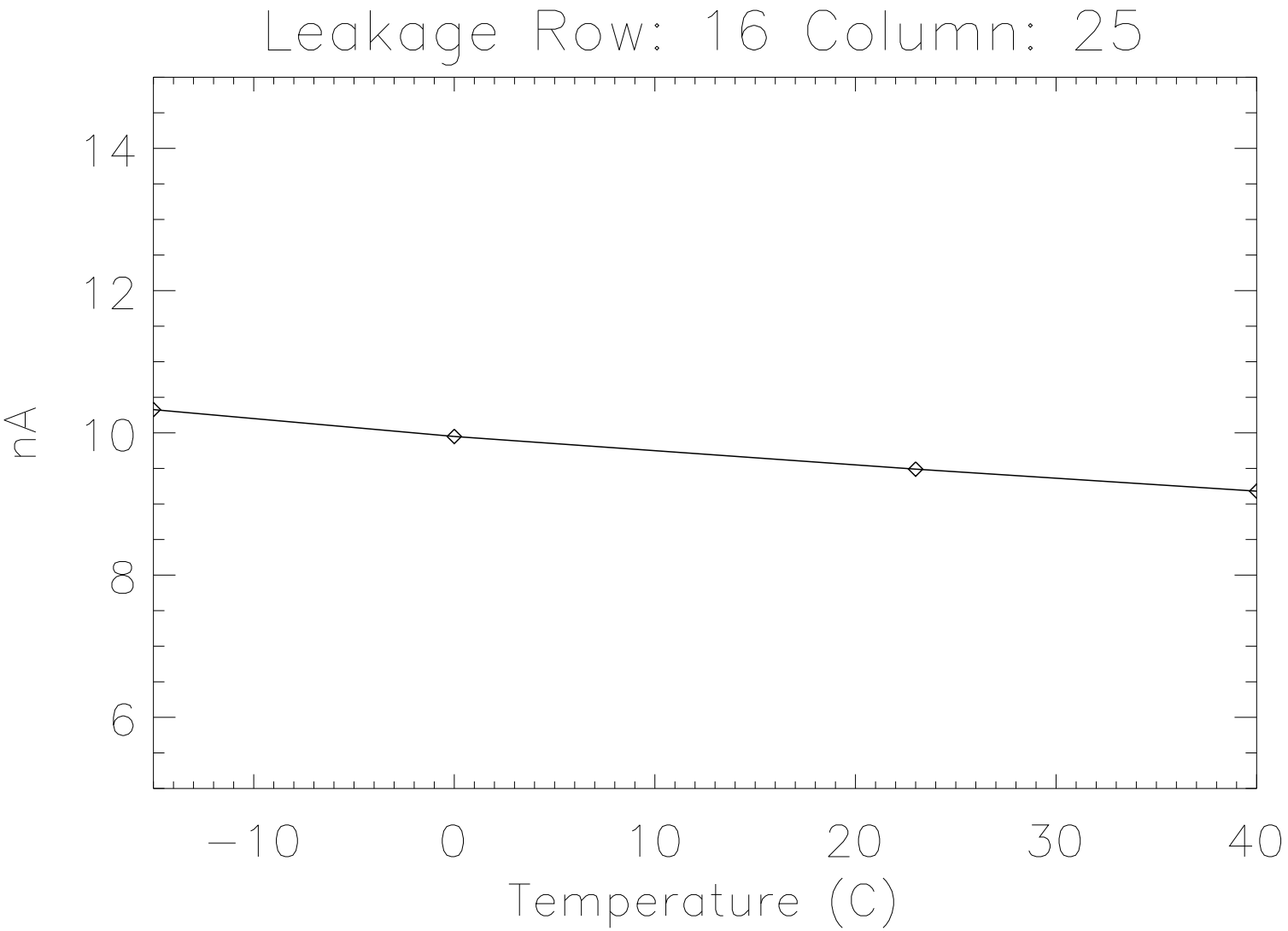
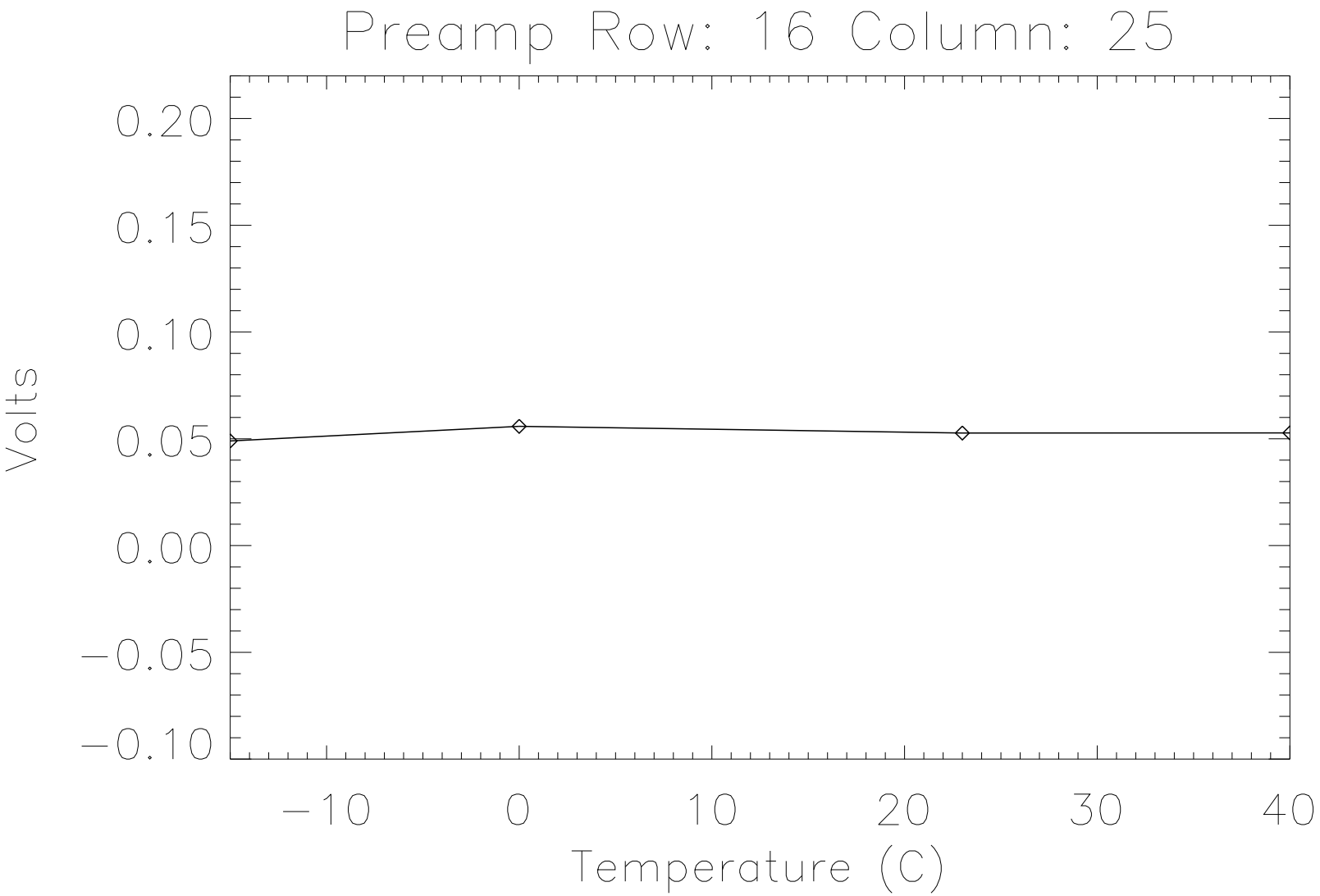
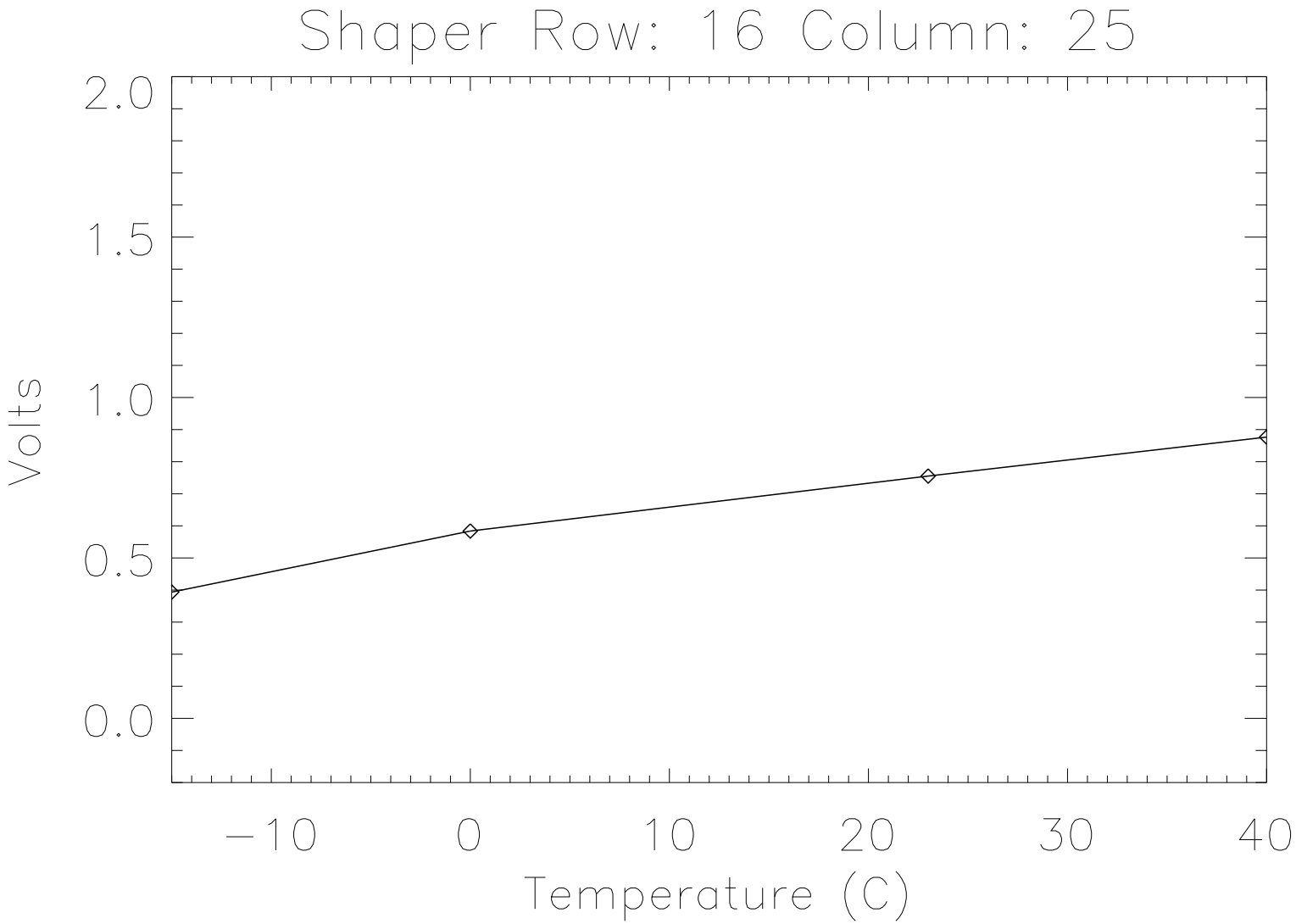
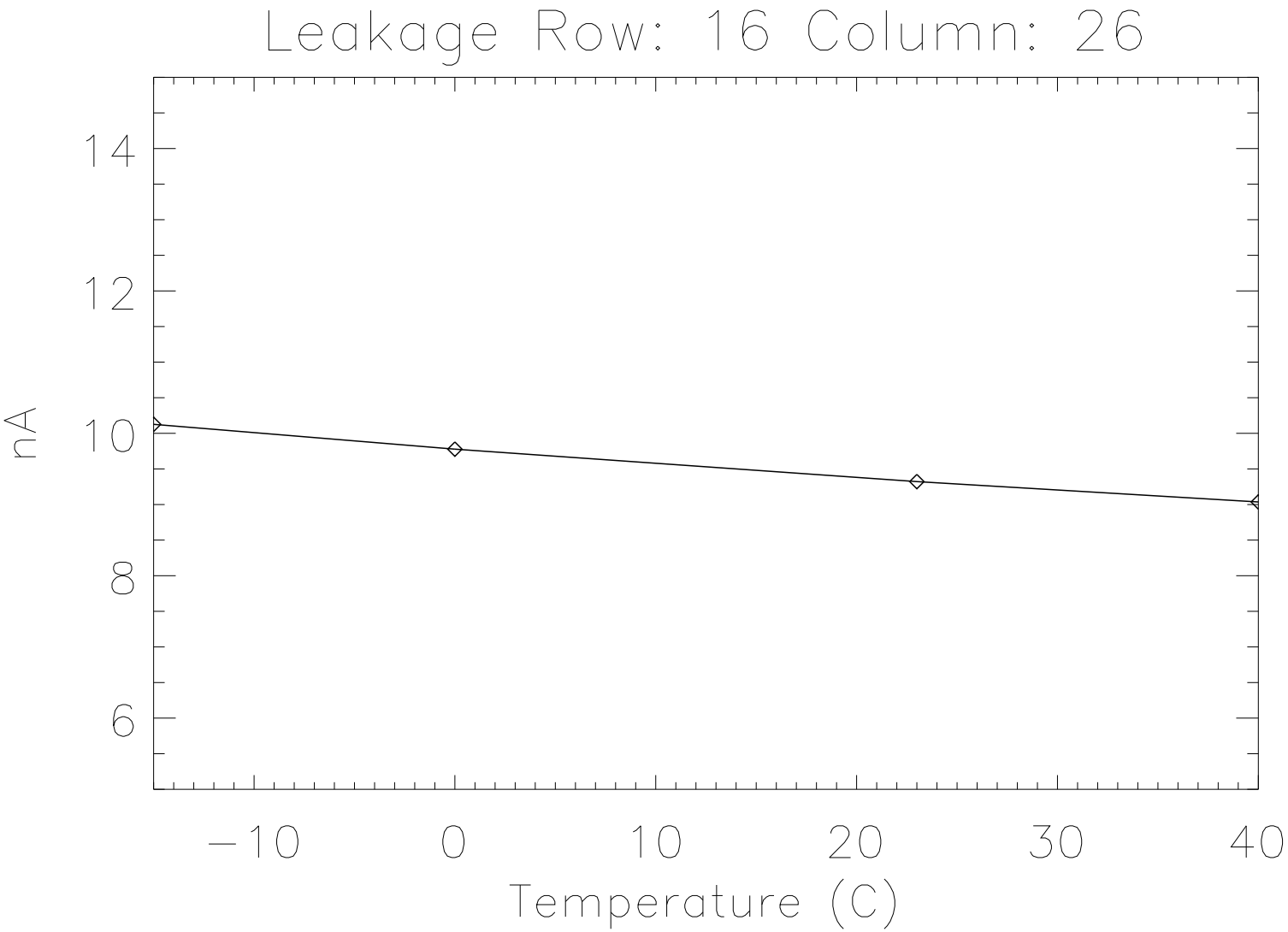
30
40
Temperature (C)

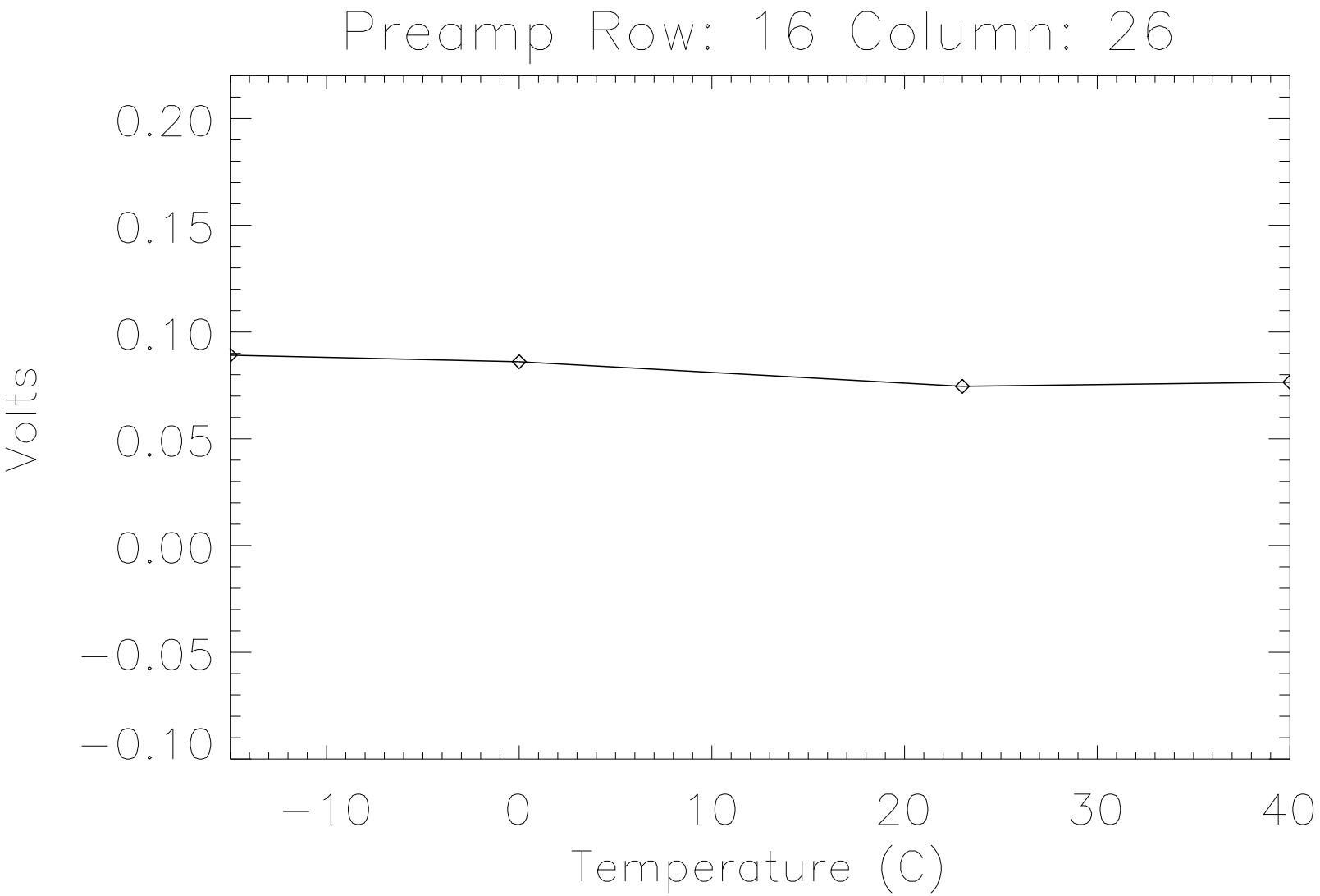

Shaper Row: 16 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

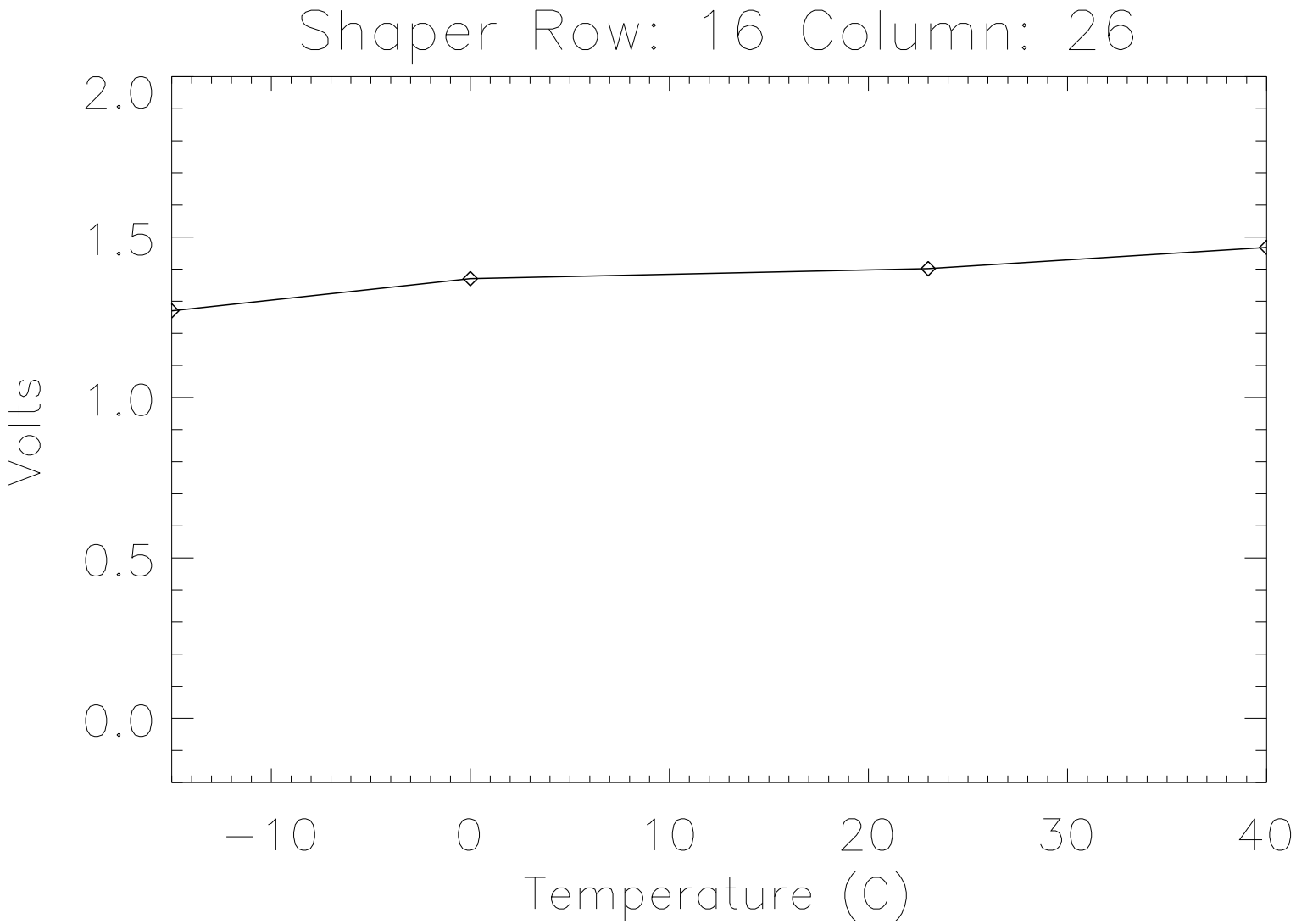

Leakage Row: 16 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

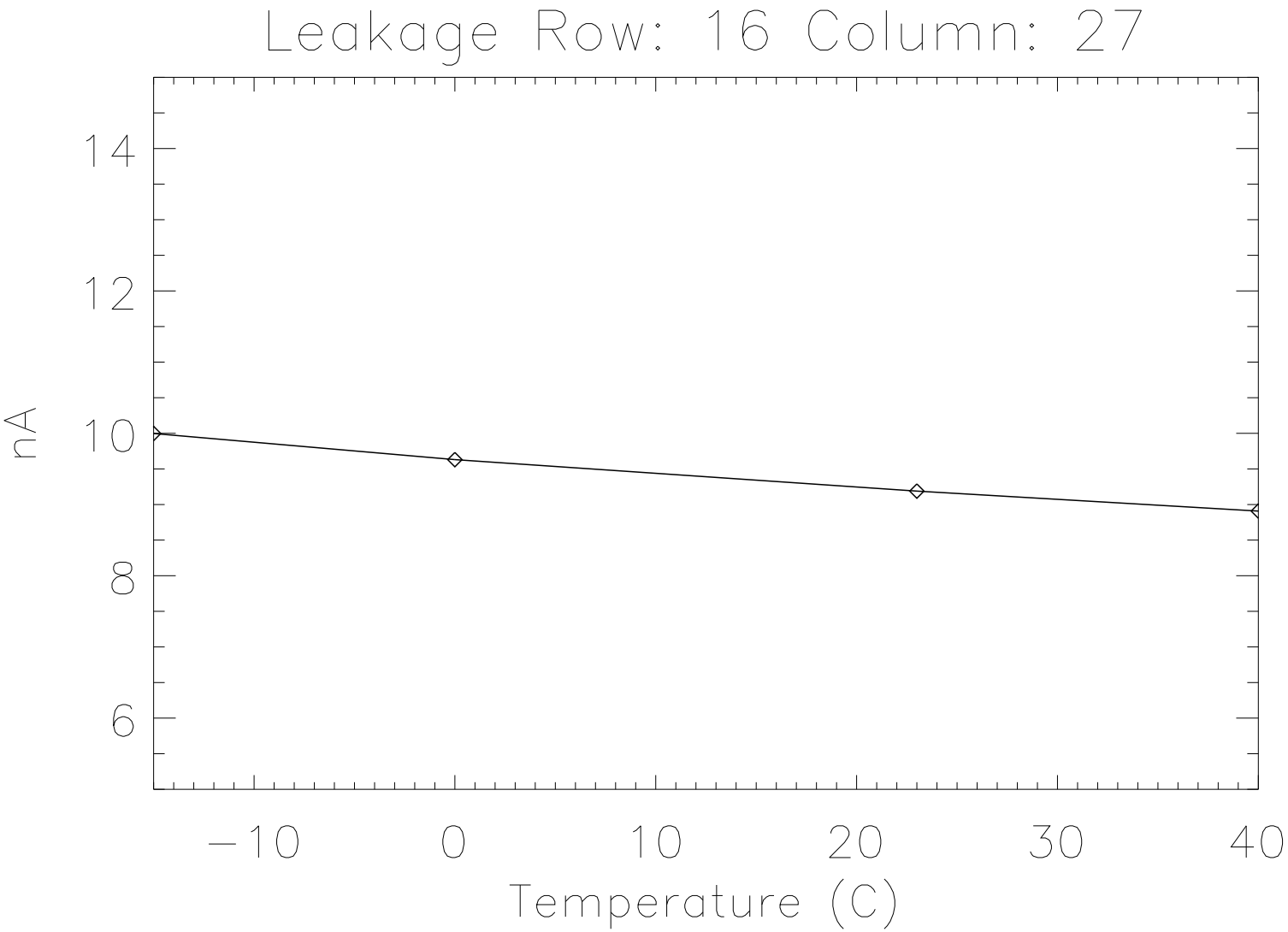

Preamp Row: 16 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

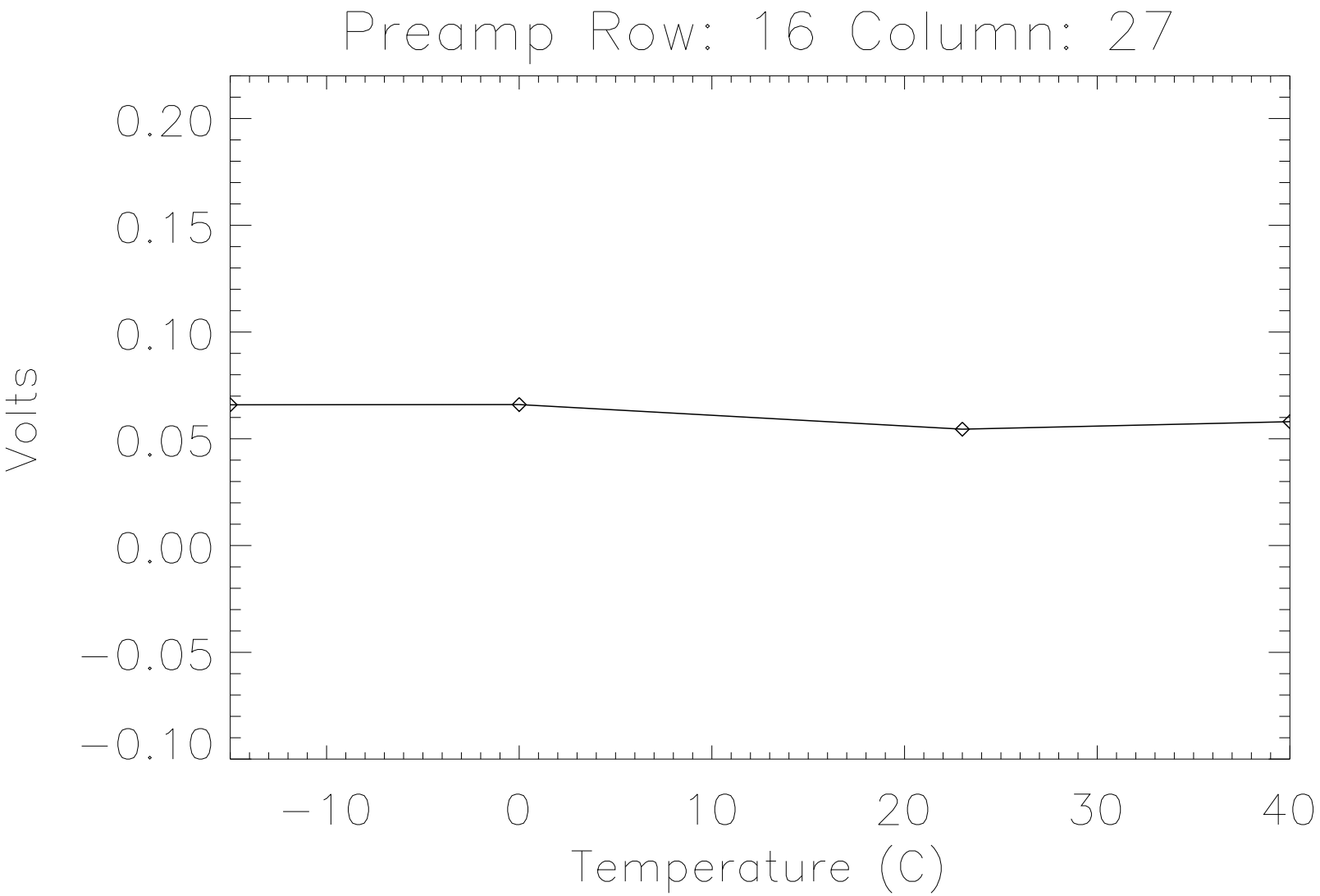

Shaper Row: 16 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

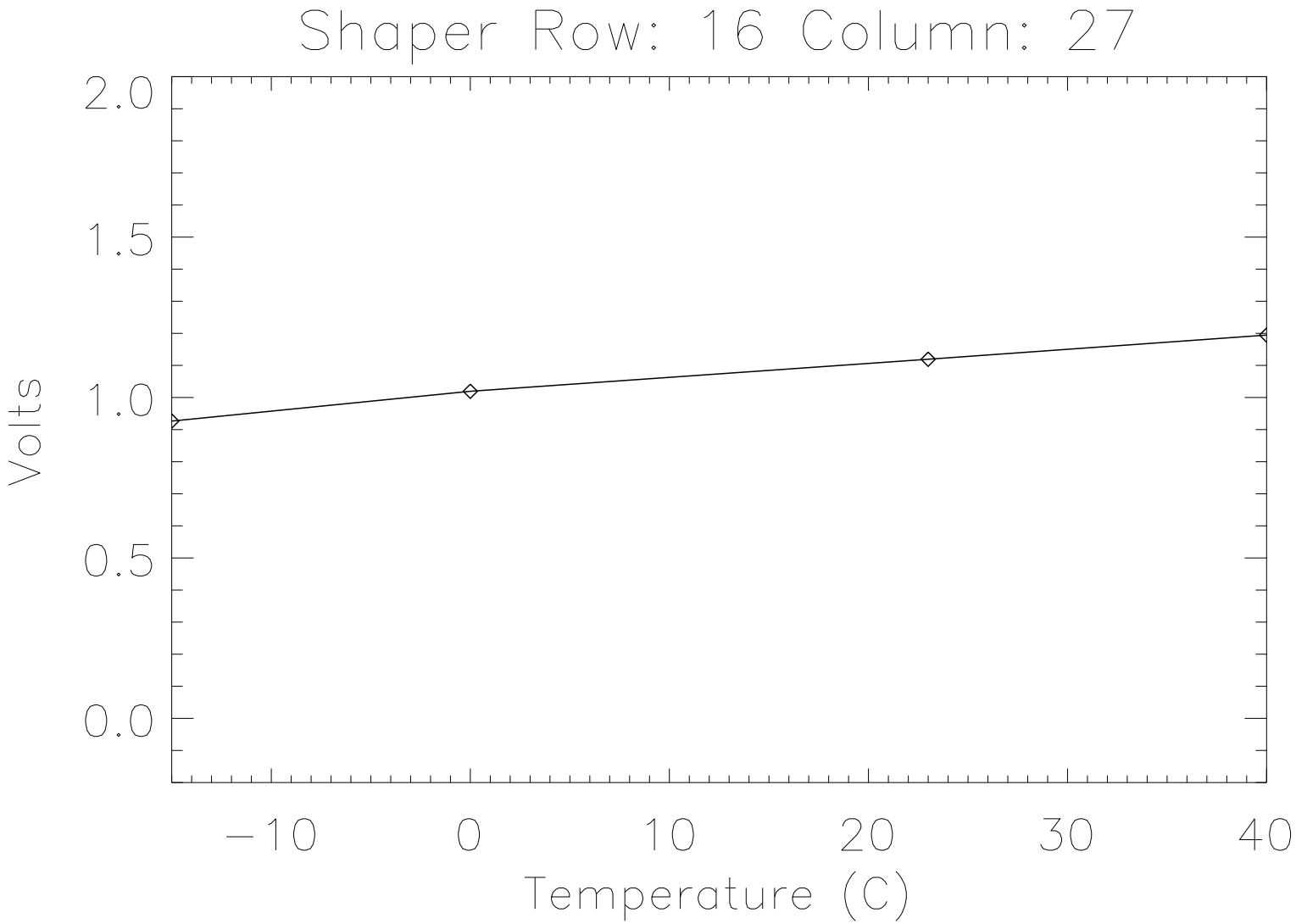

Leakage Row: 16 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

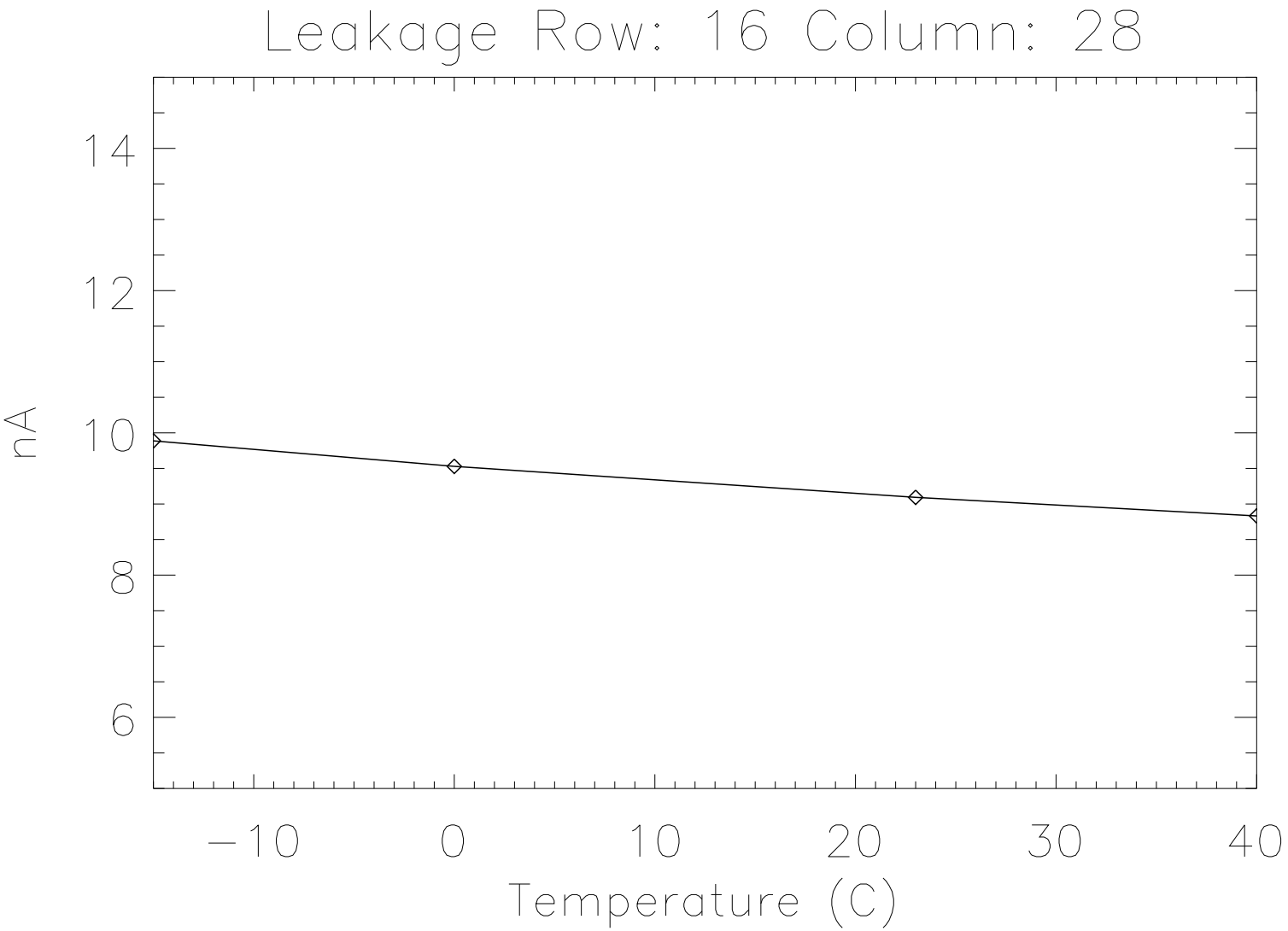

Preamp Row: 16 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

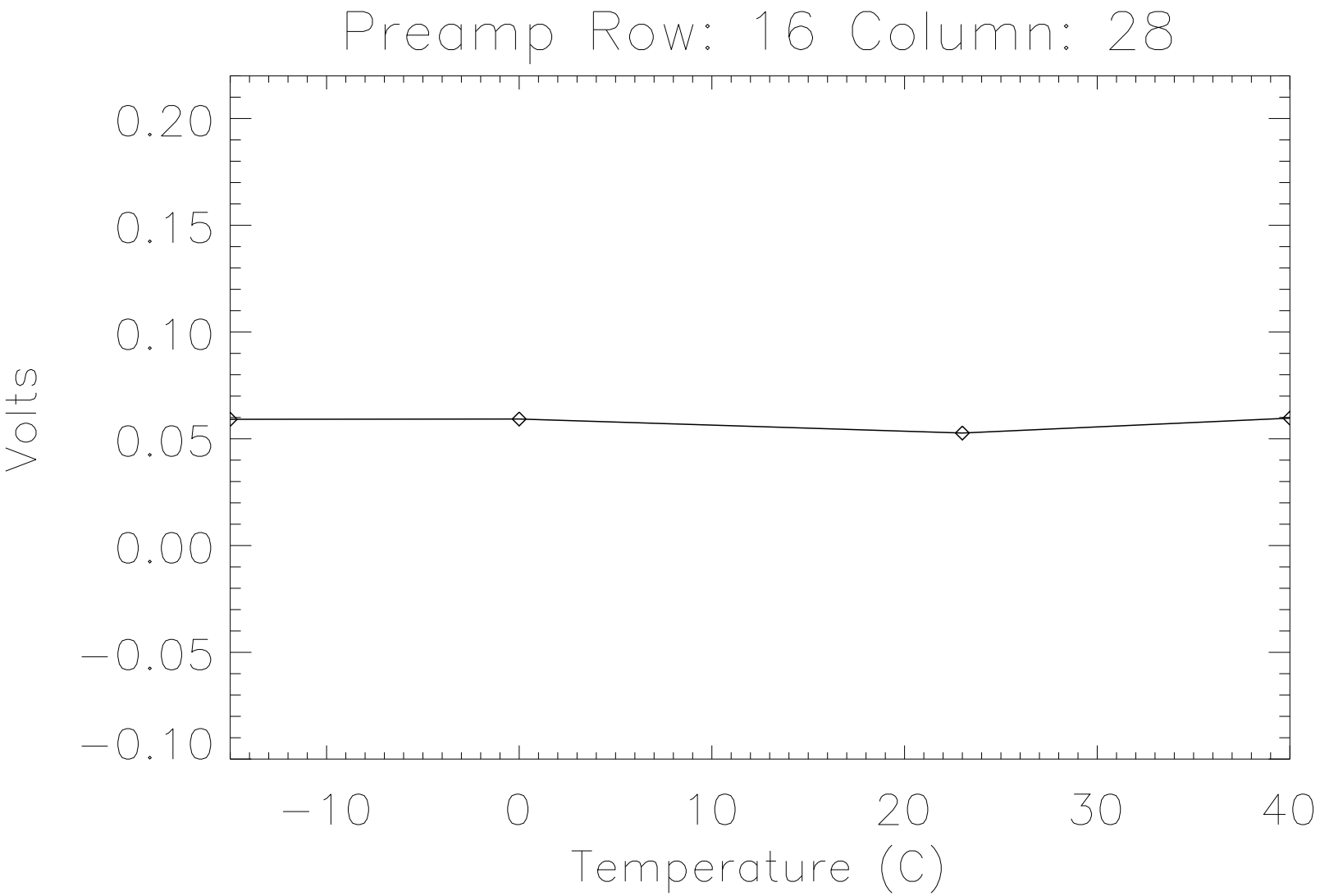

Shaper Row: 16 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

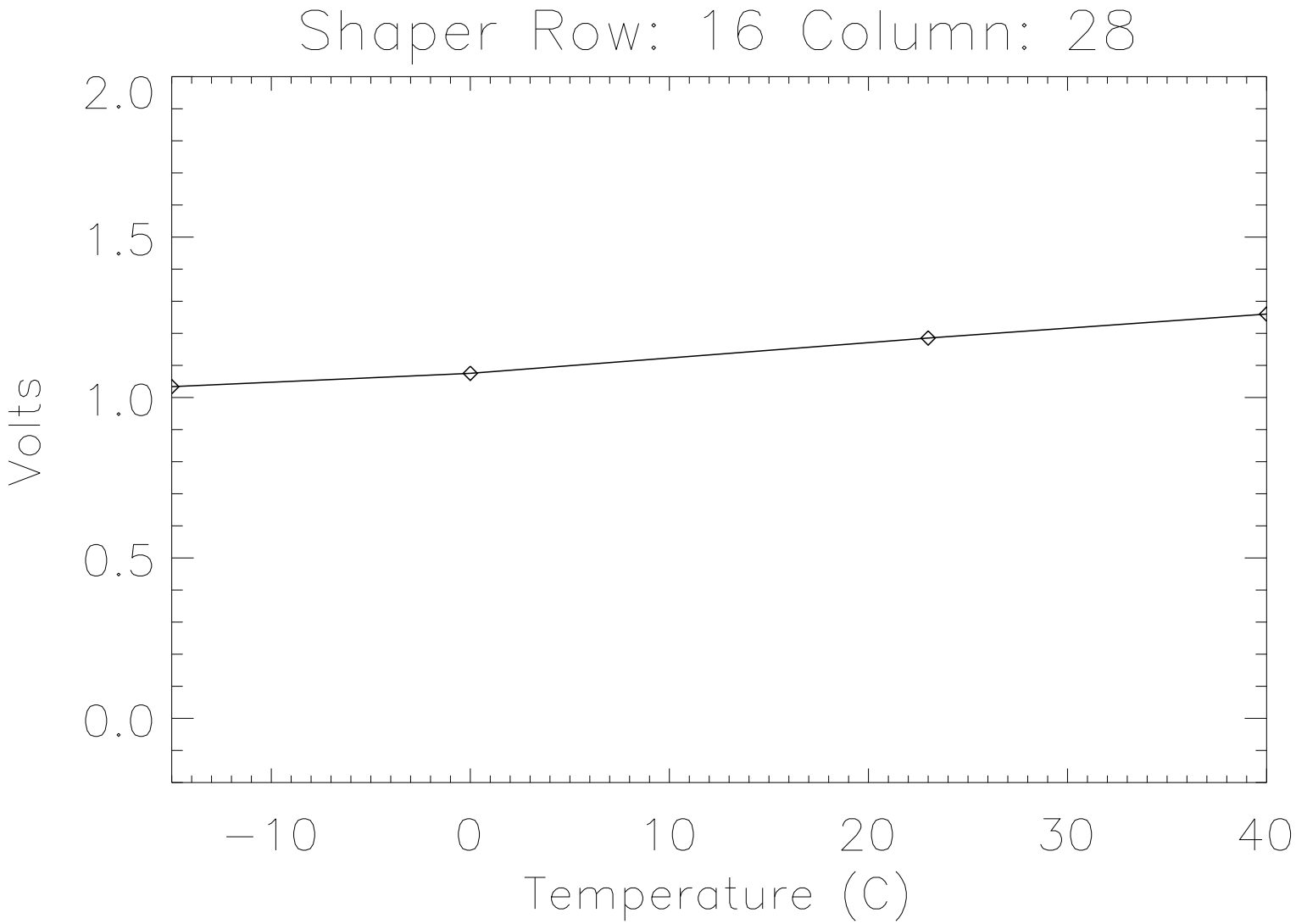

Leakage Row: 16 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

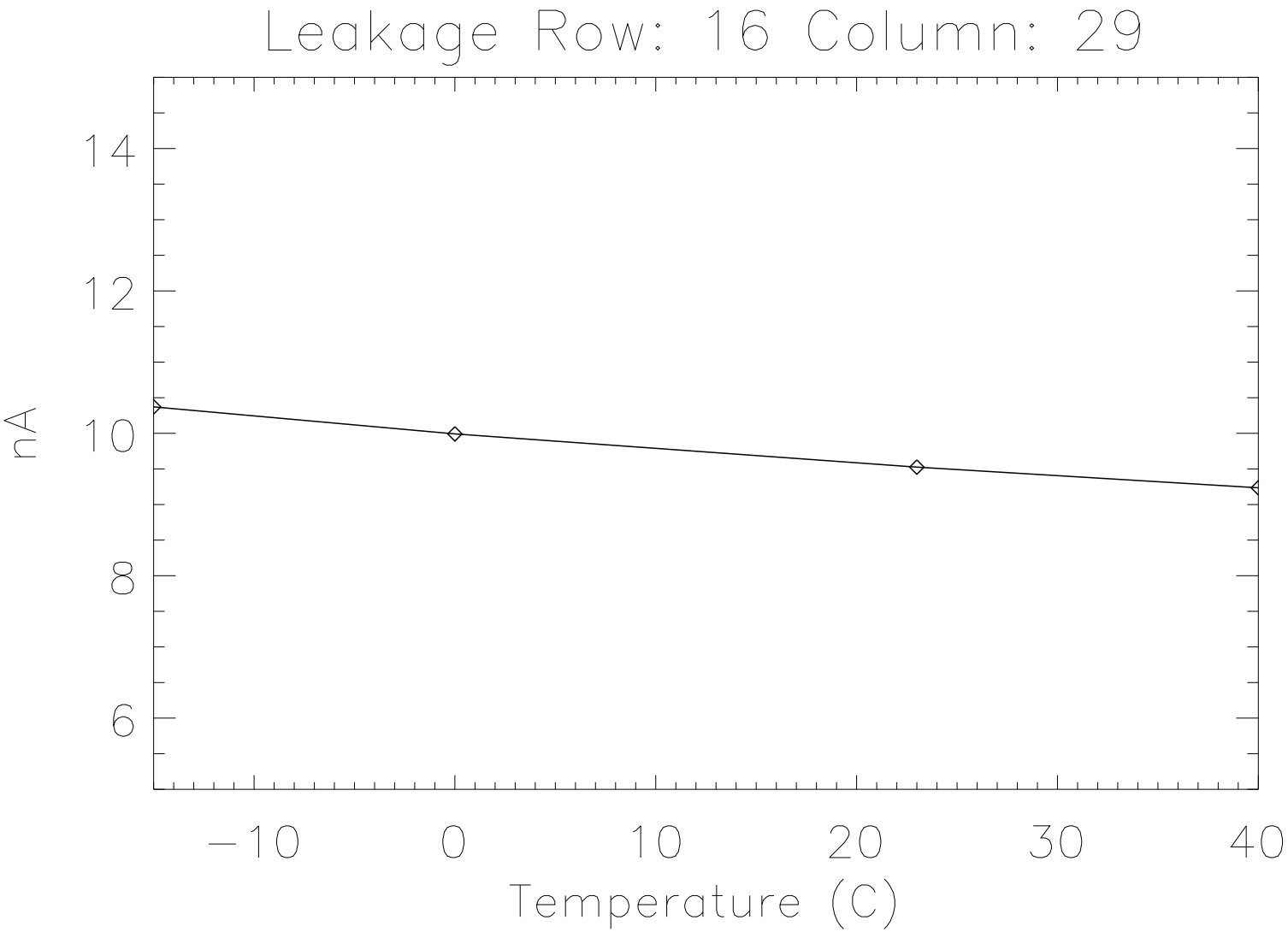

Preamp Row: 16 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

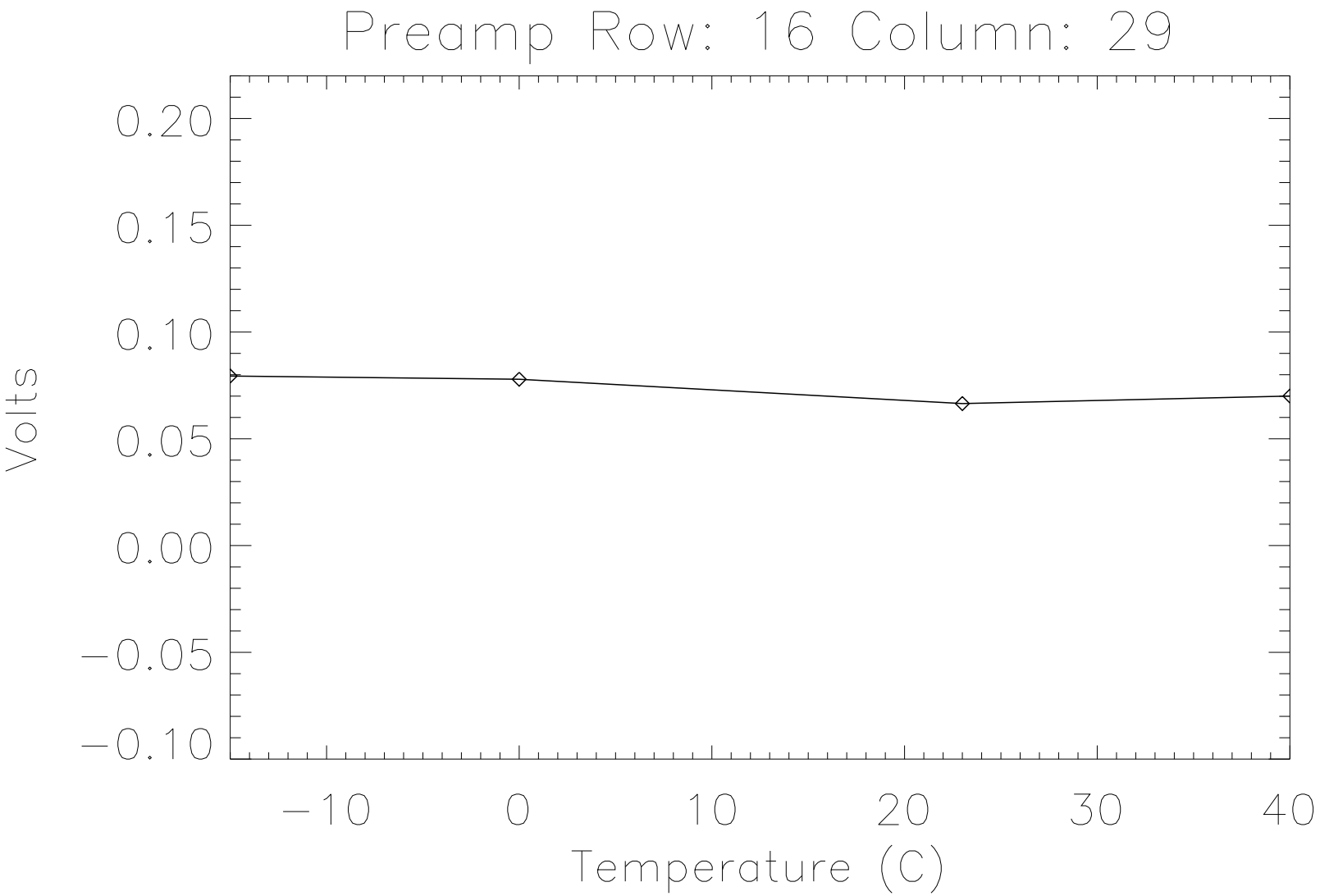

Shaper Row: 16 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

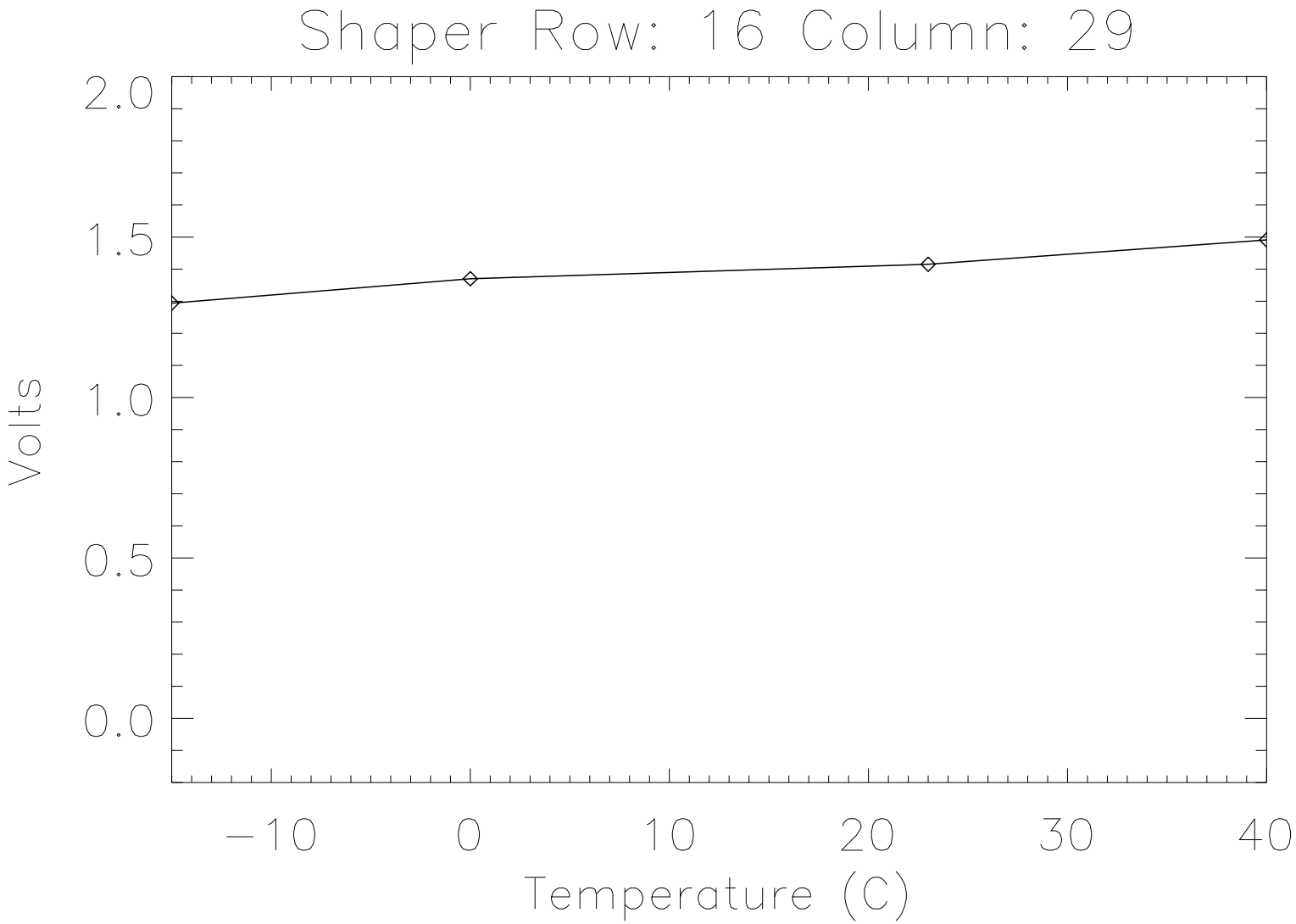

Leakage Row: 16 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

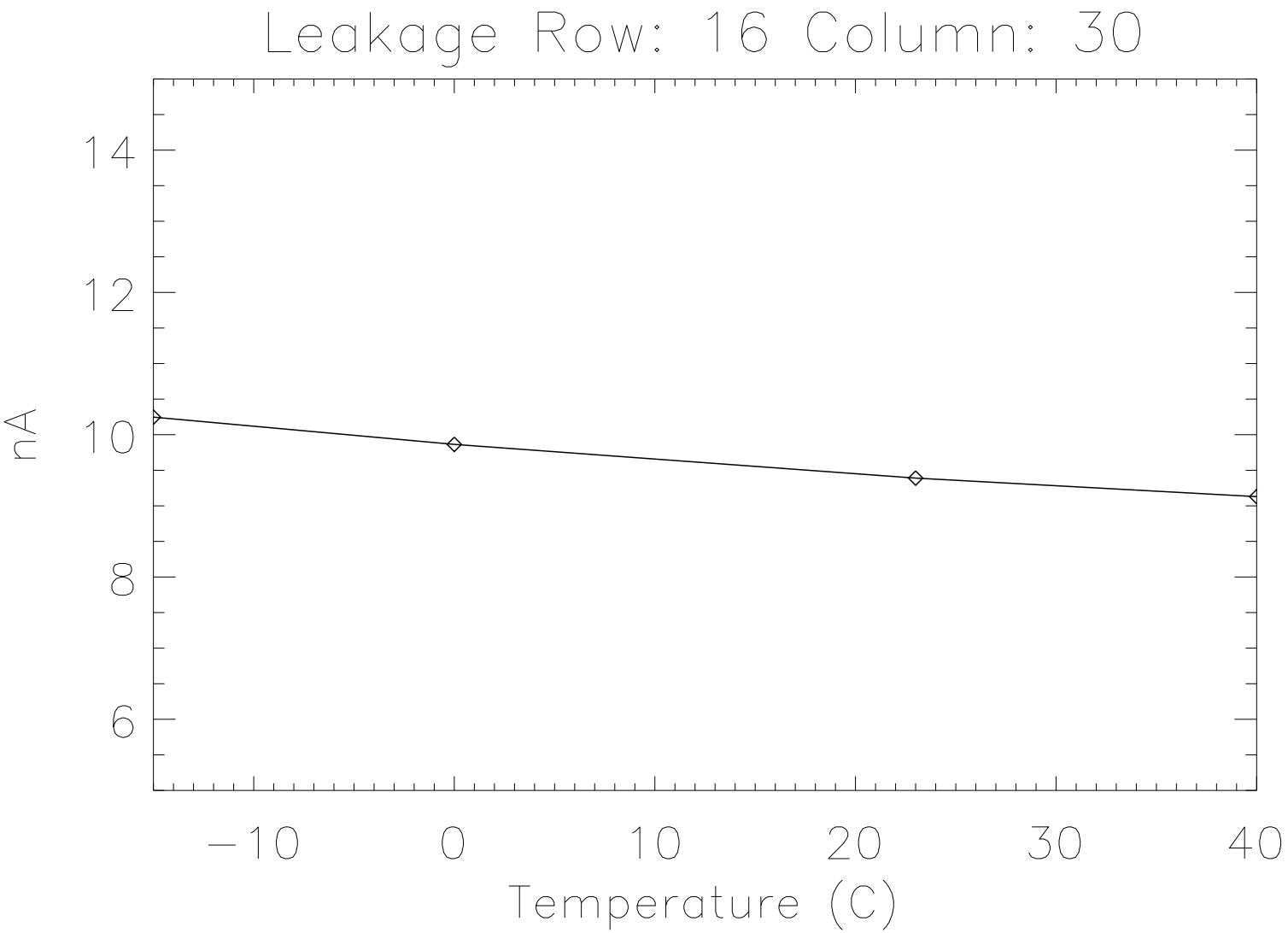

Preamp Row: 16 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

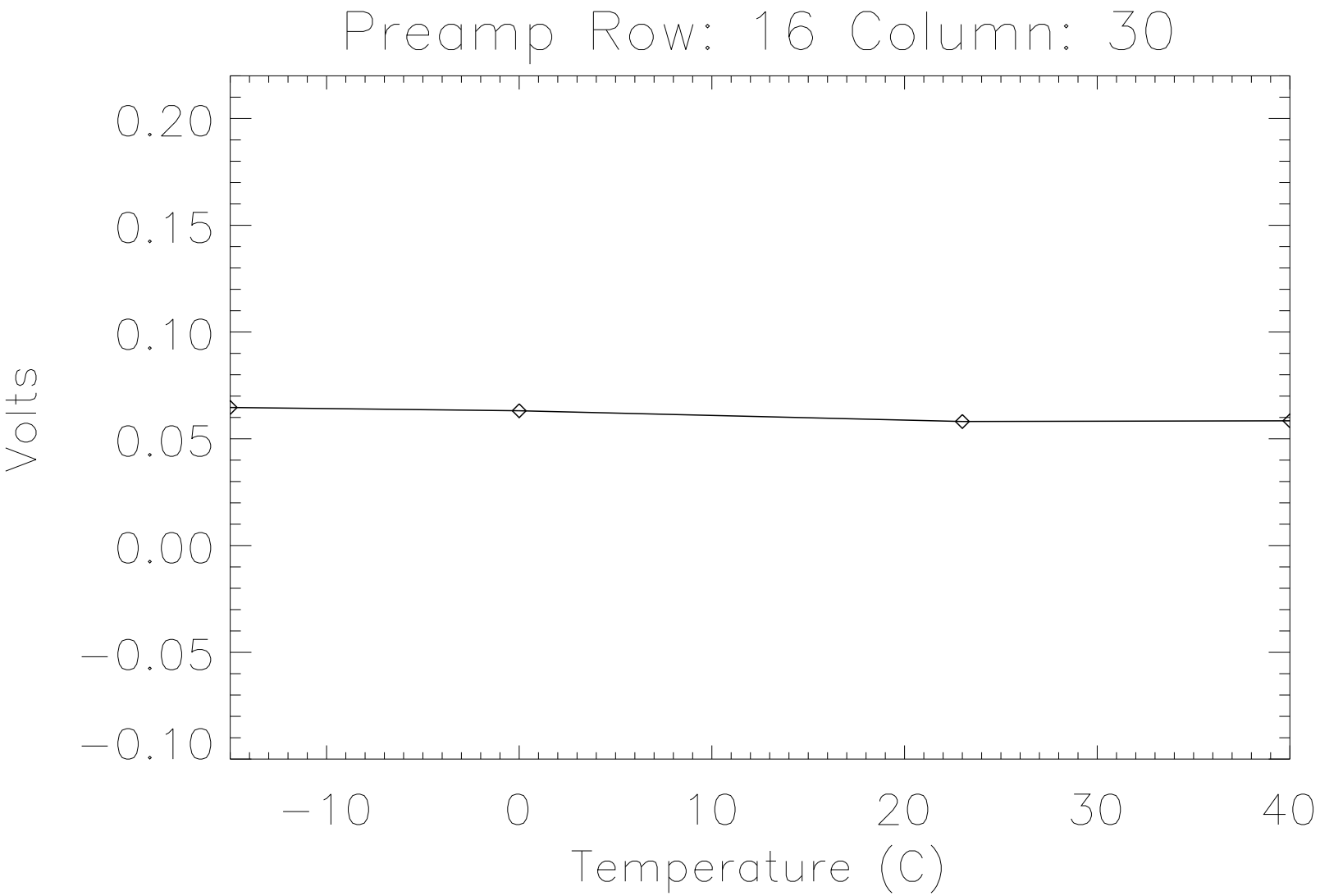

Shaper Row: 16 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

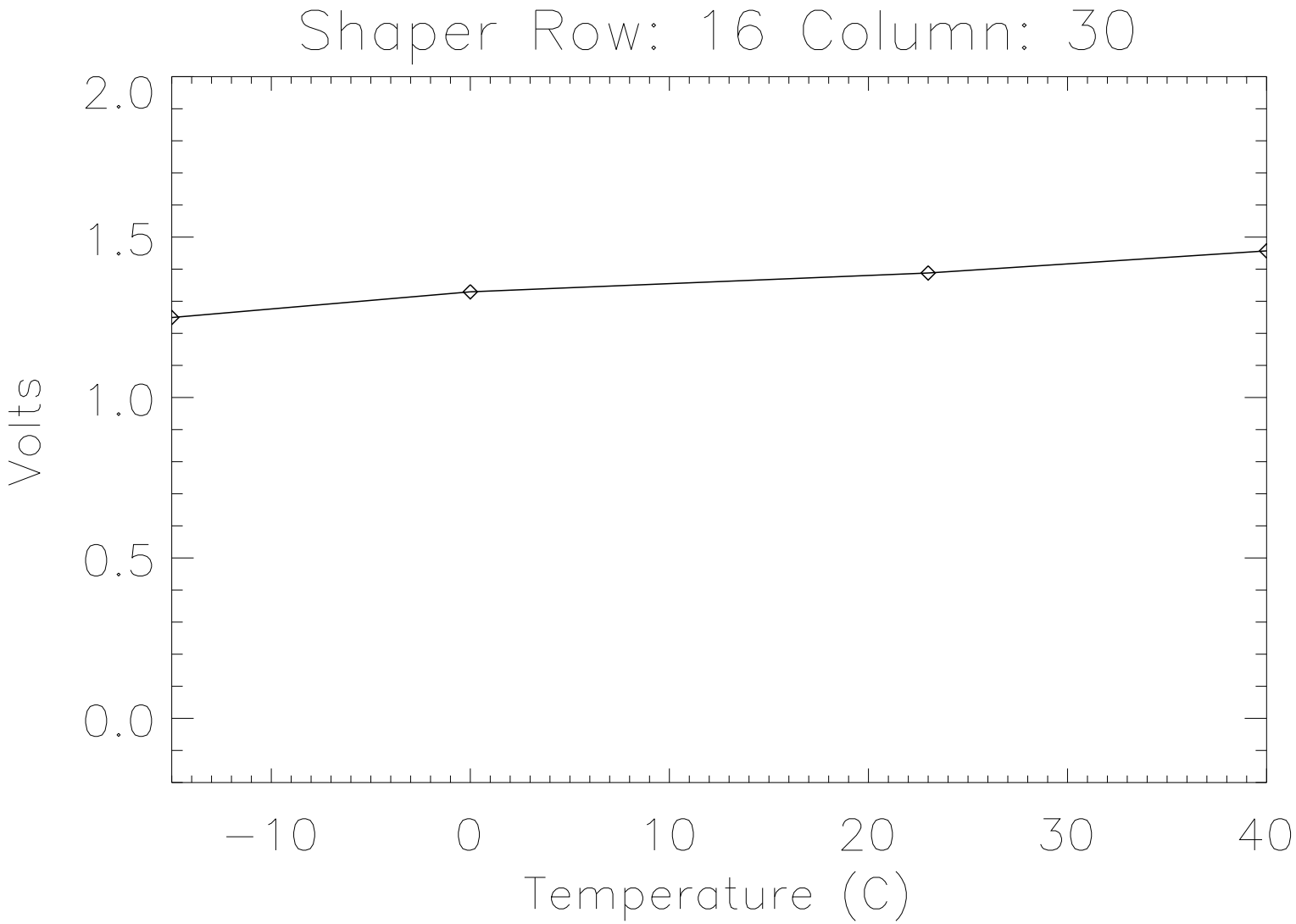

Leakage Row: 16 Column: 29
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

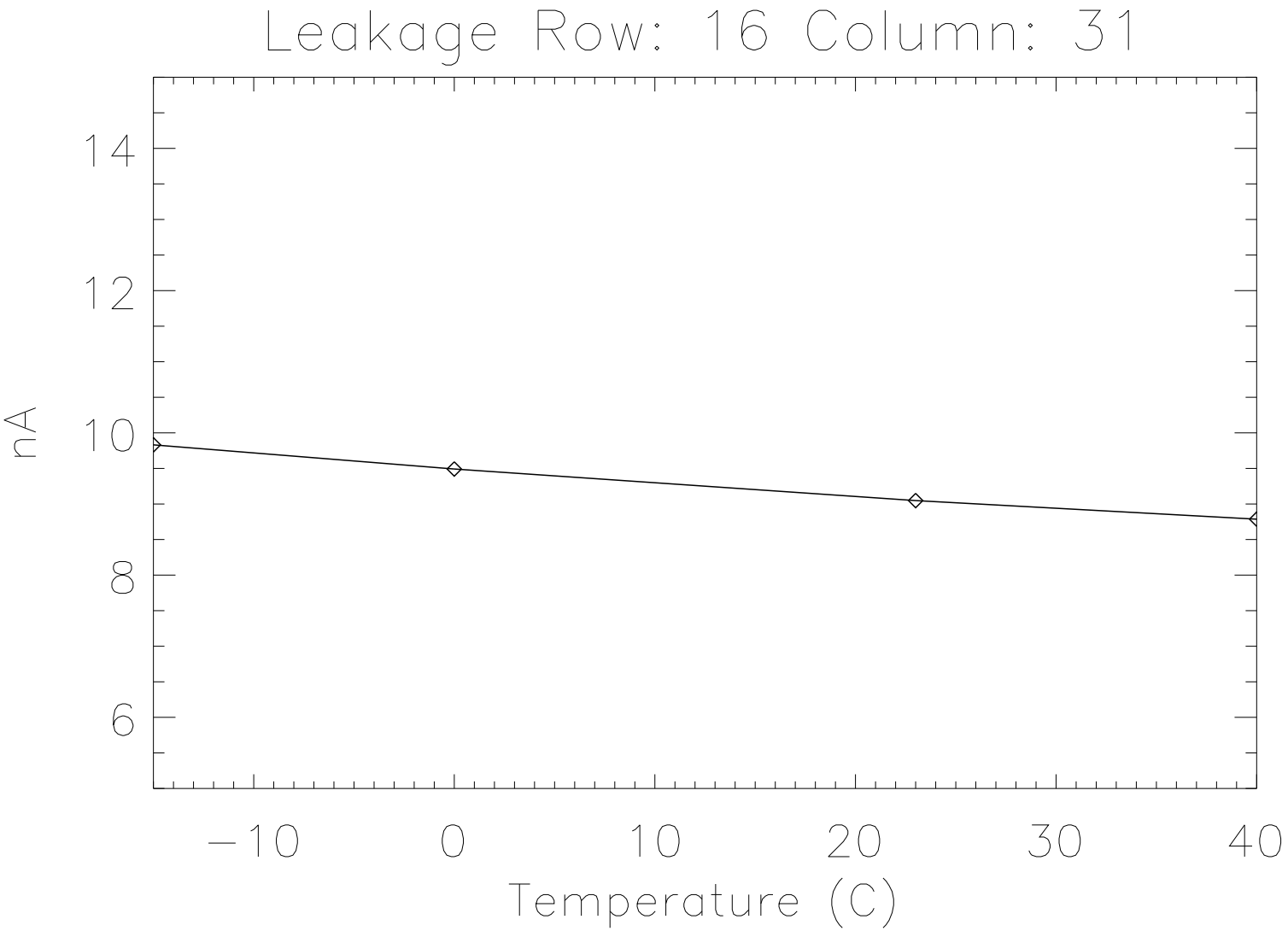

Preamp Row: 16 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

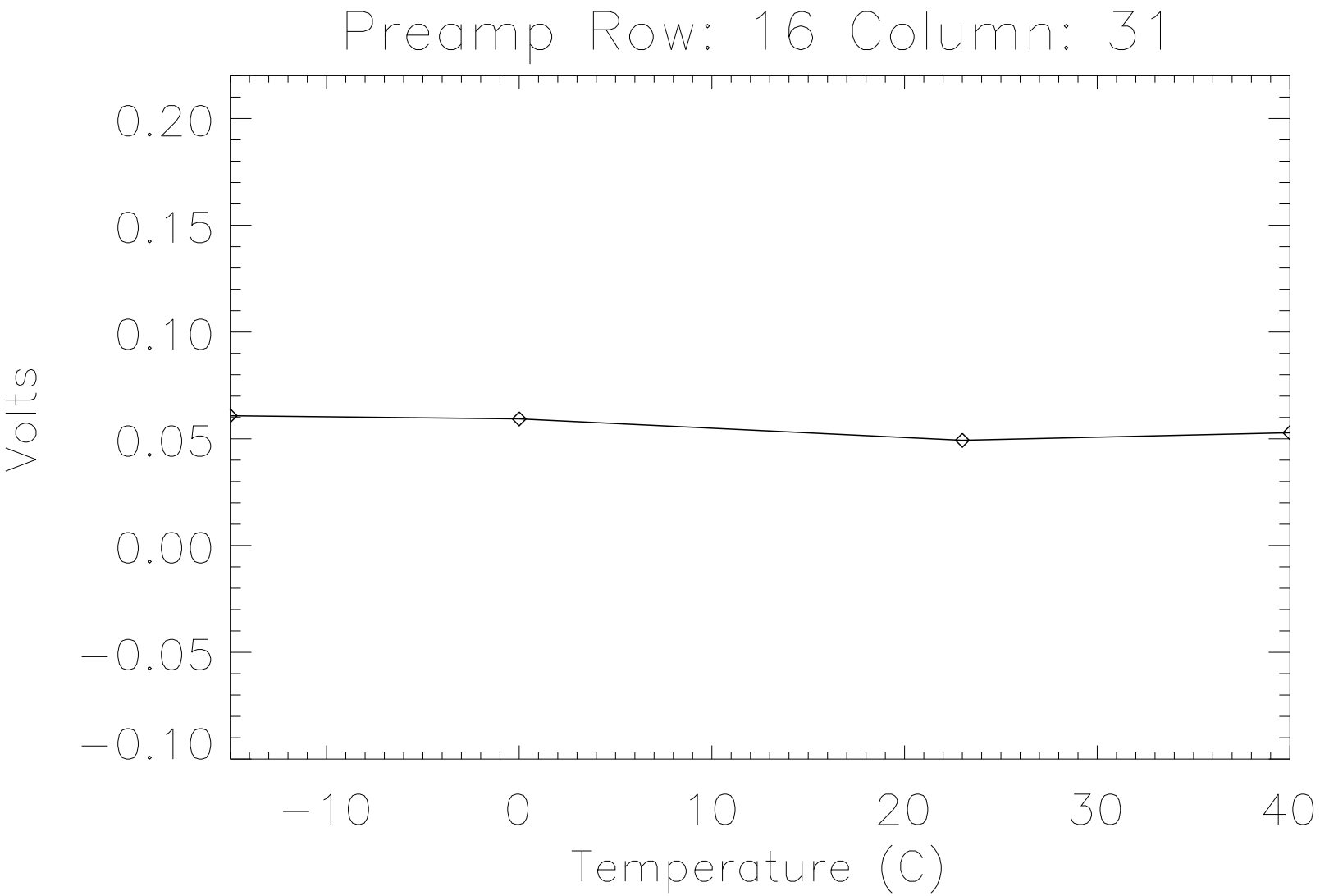

Shaper Row: 16 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

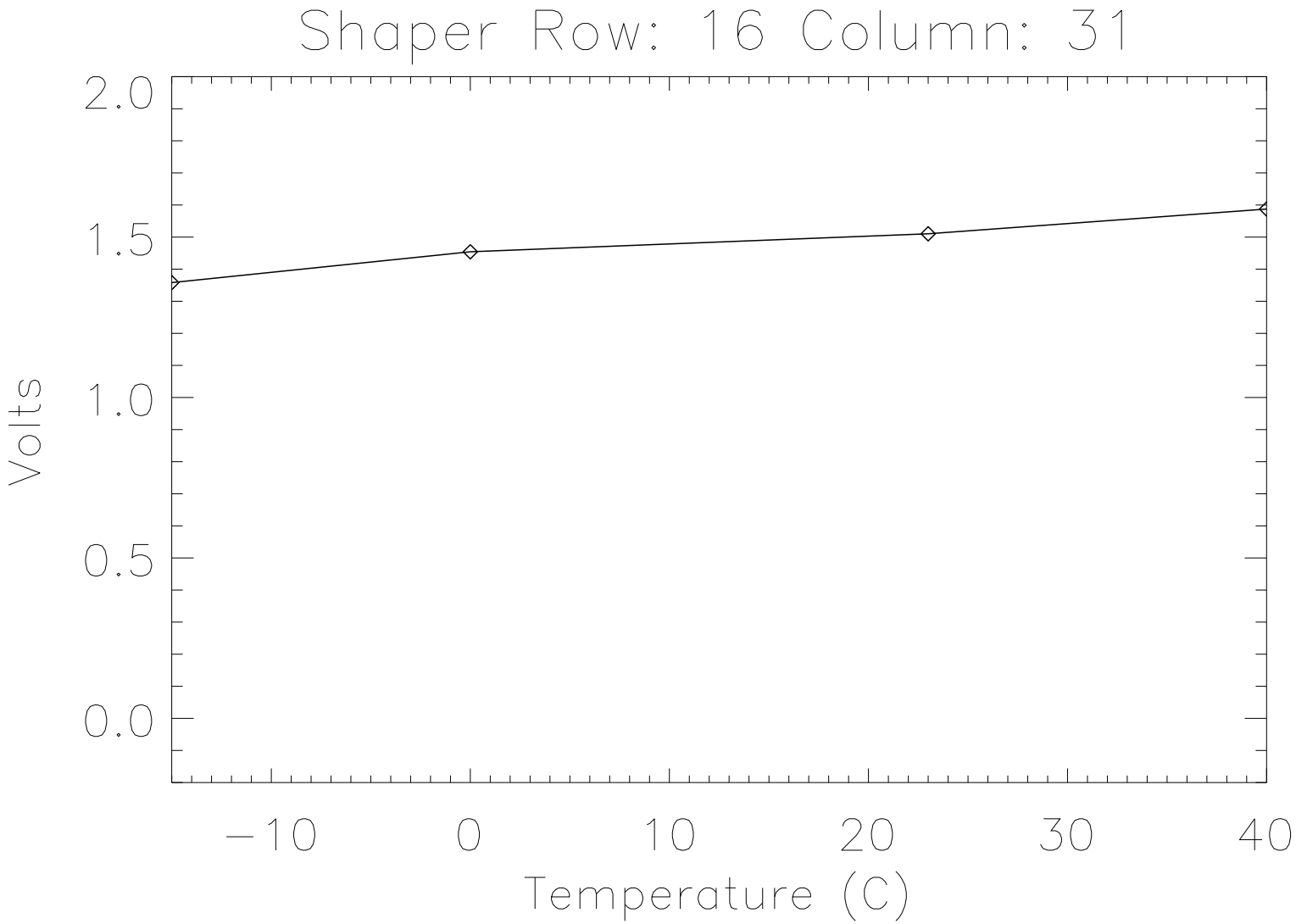

Leakage Row: 16 Column: 30
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

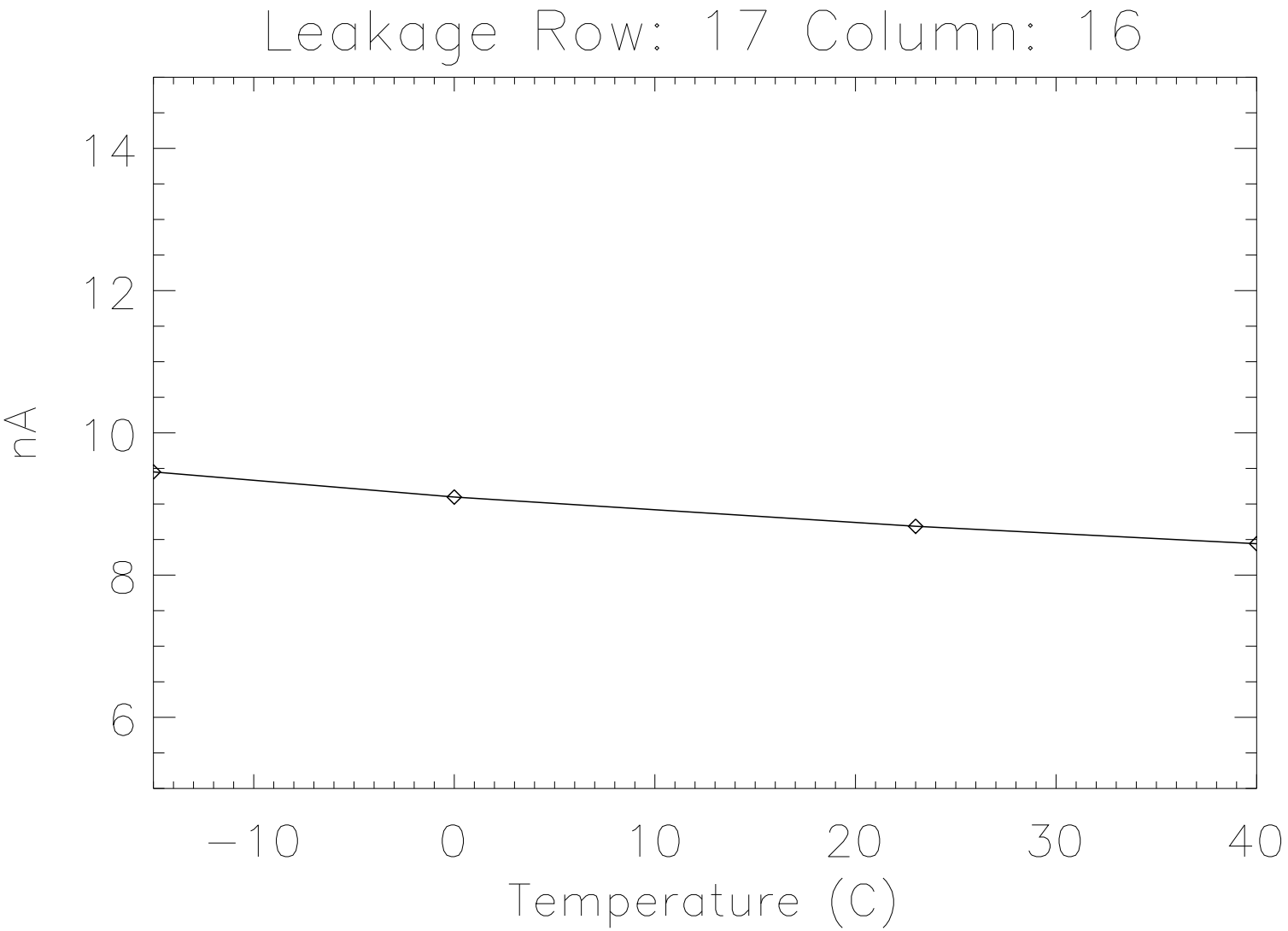

Preamp Row: 16 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

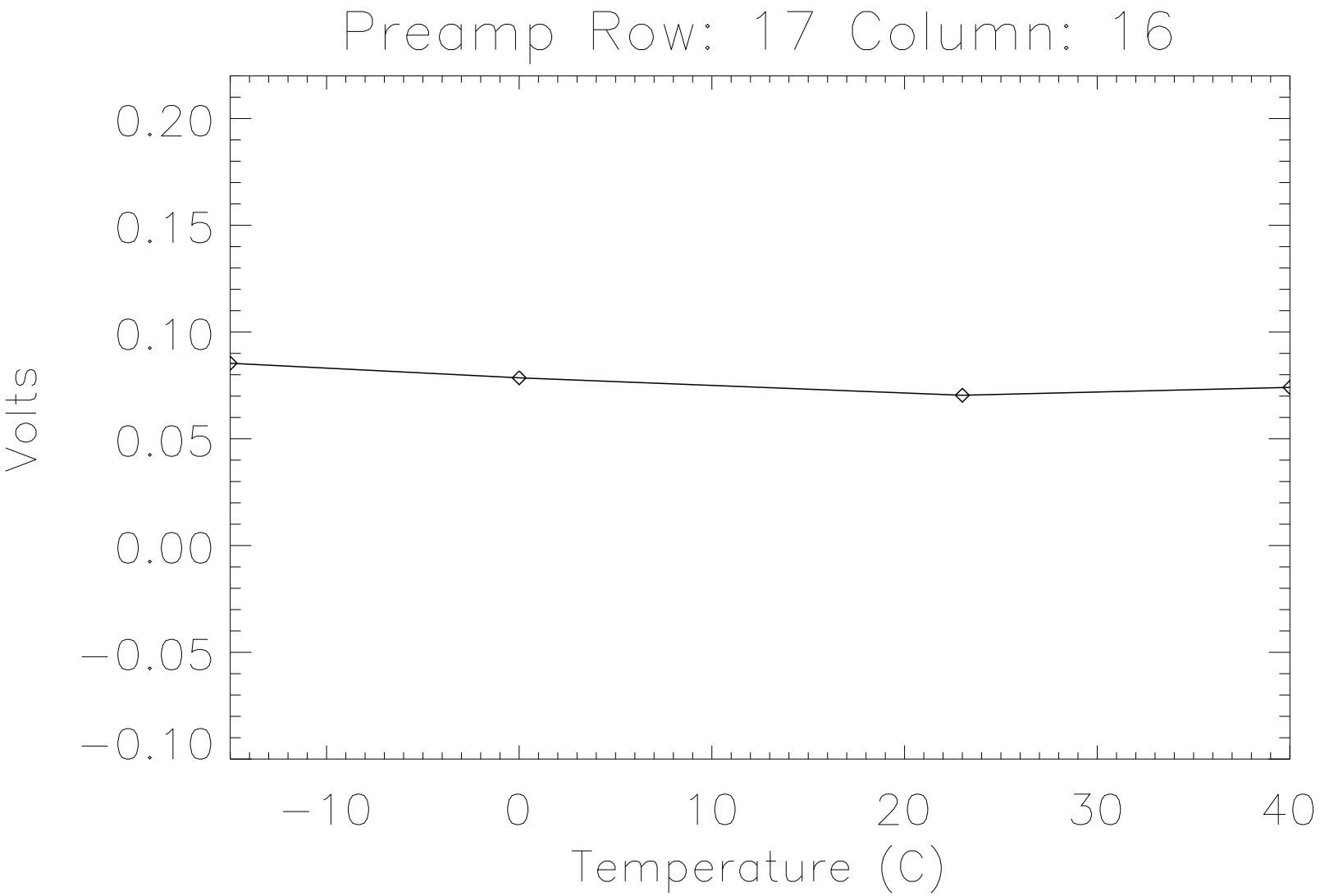

Shaper Row: 16 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 16 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 16 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 16 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 17 Column: 16
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 17 Column: 16
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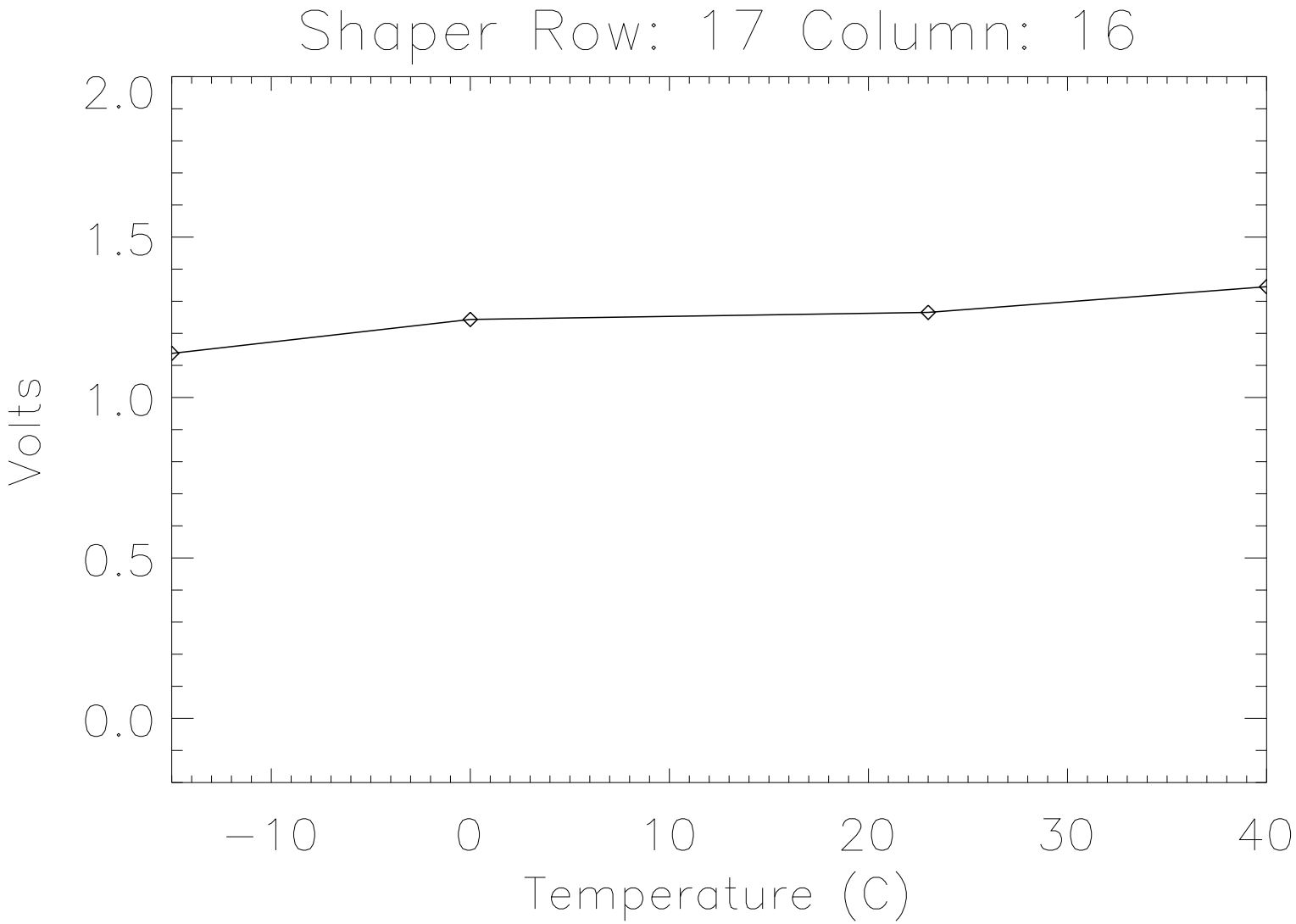
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 17 Column: 16
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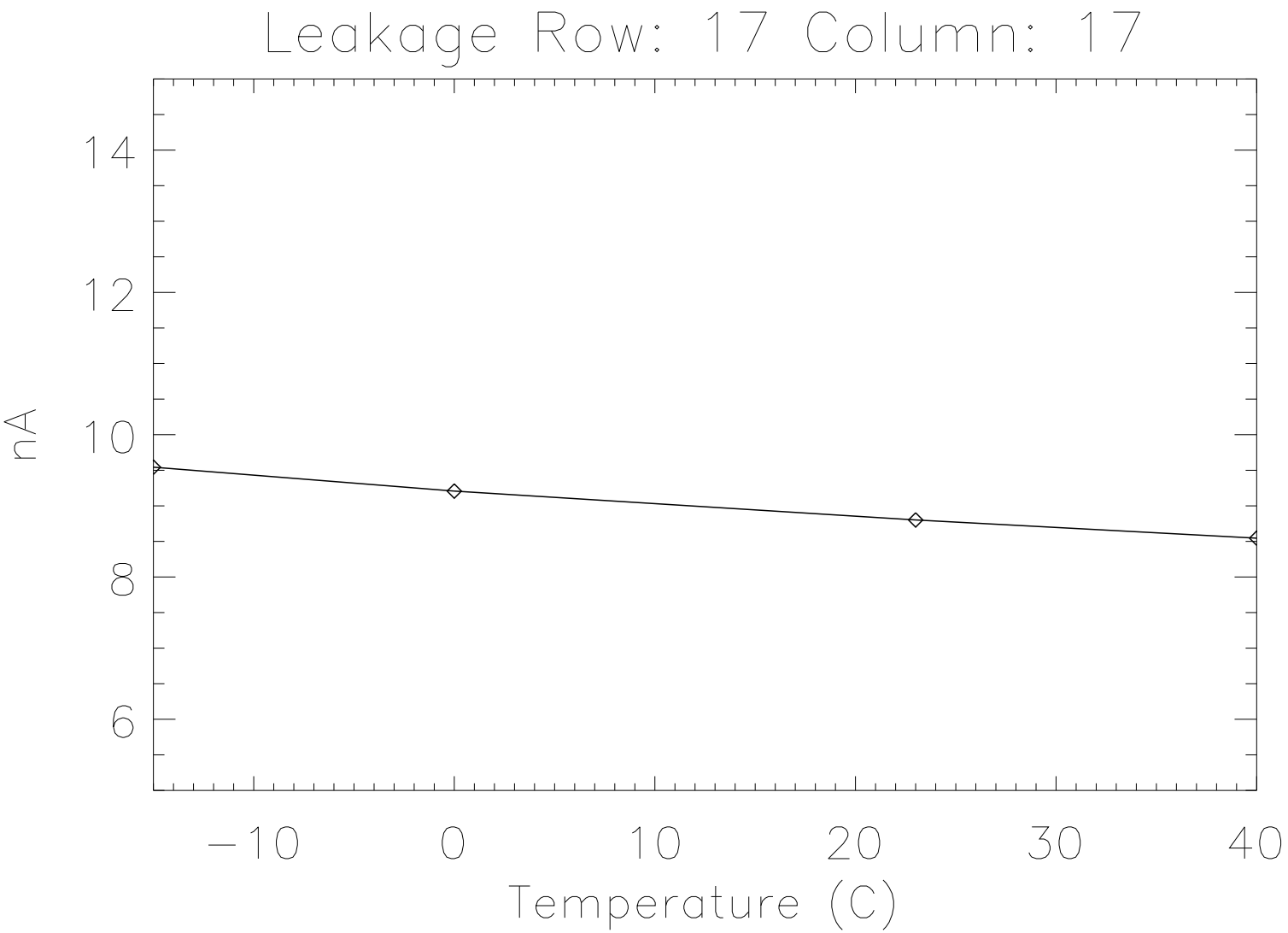
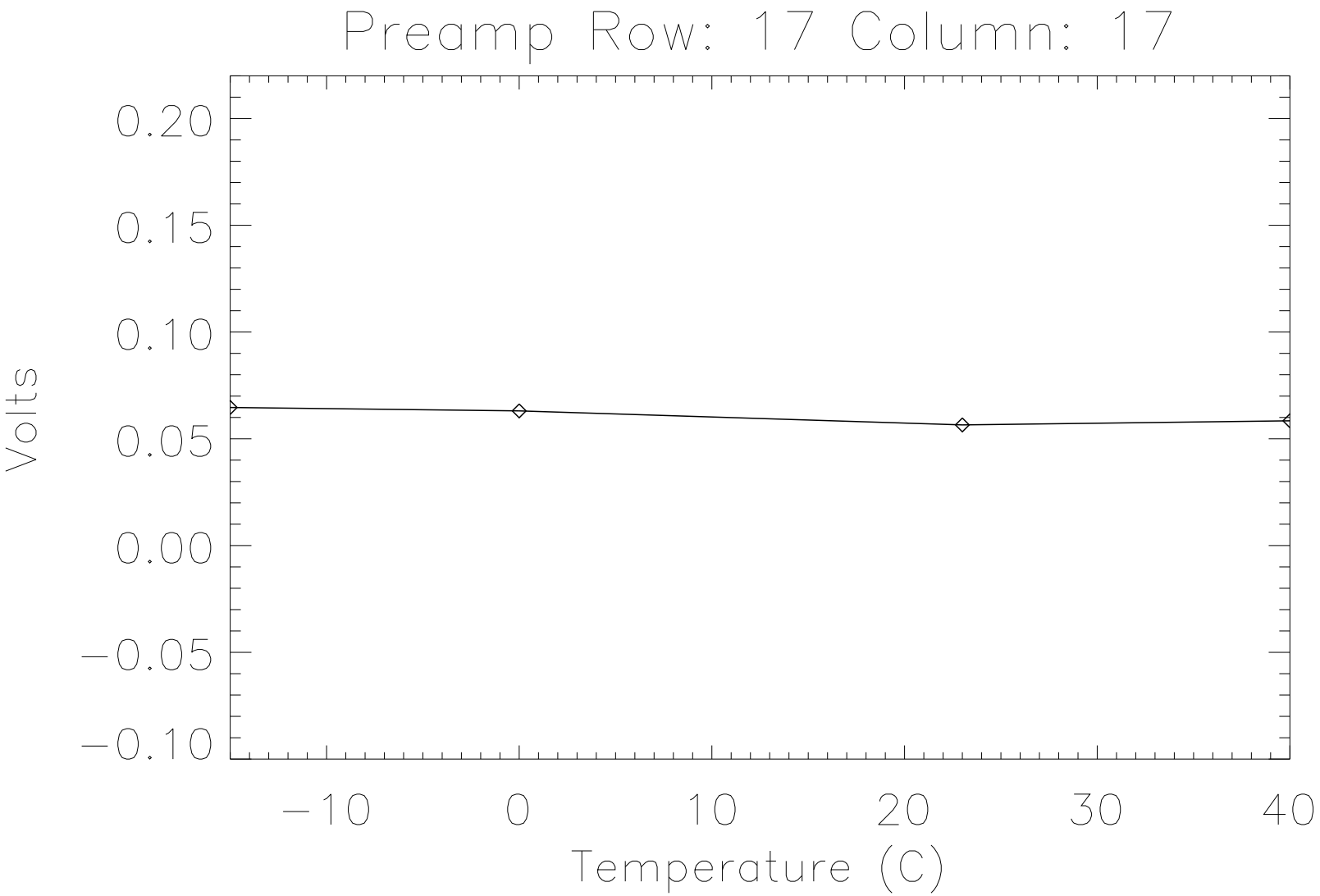
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 17 Column: 17
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)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0.10
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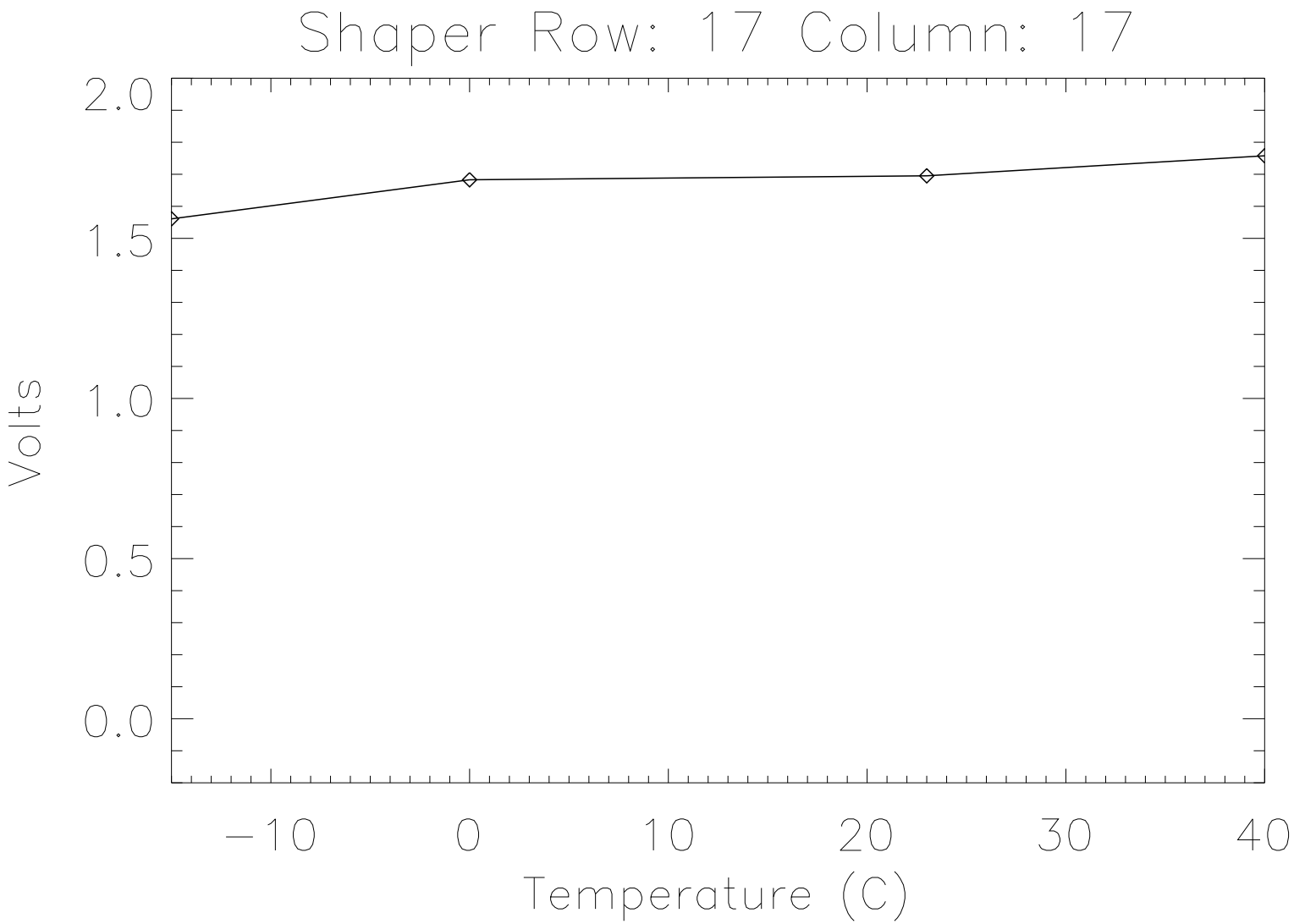
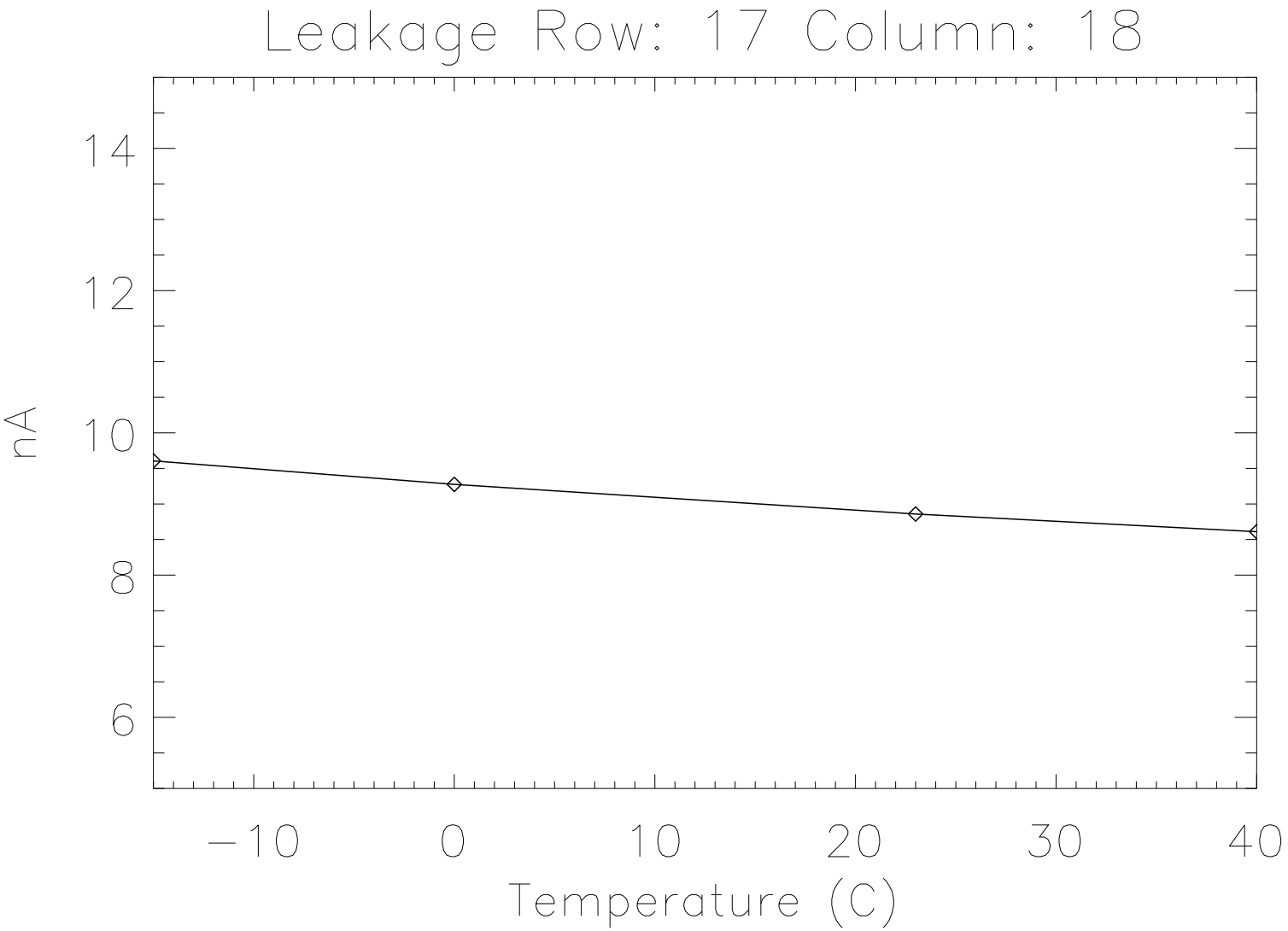
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 17 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 17 Column: 18
nA
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12
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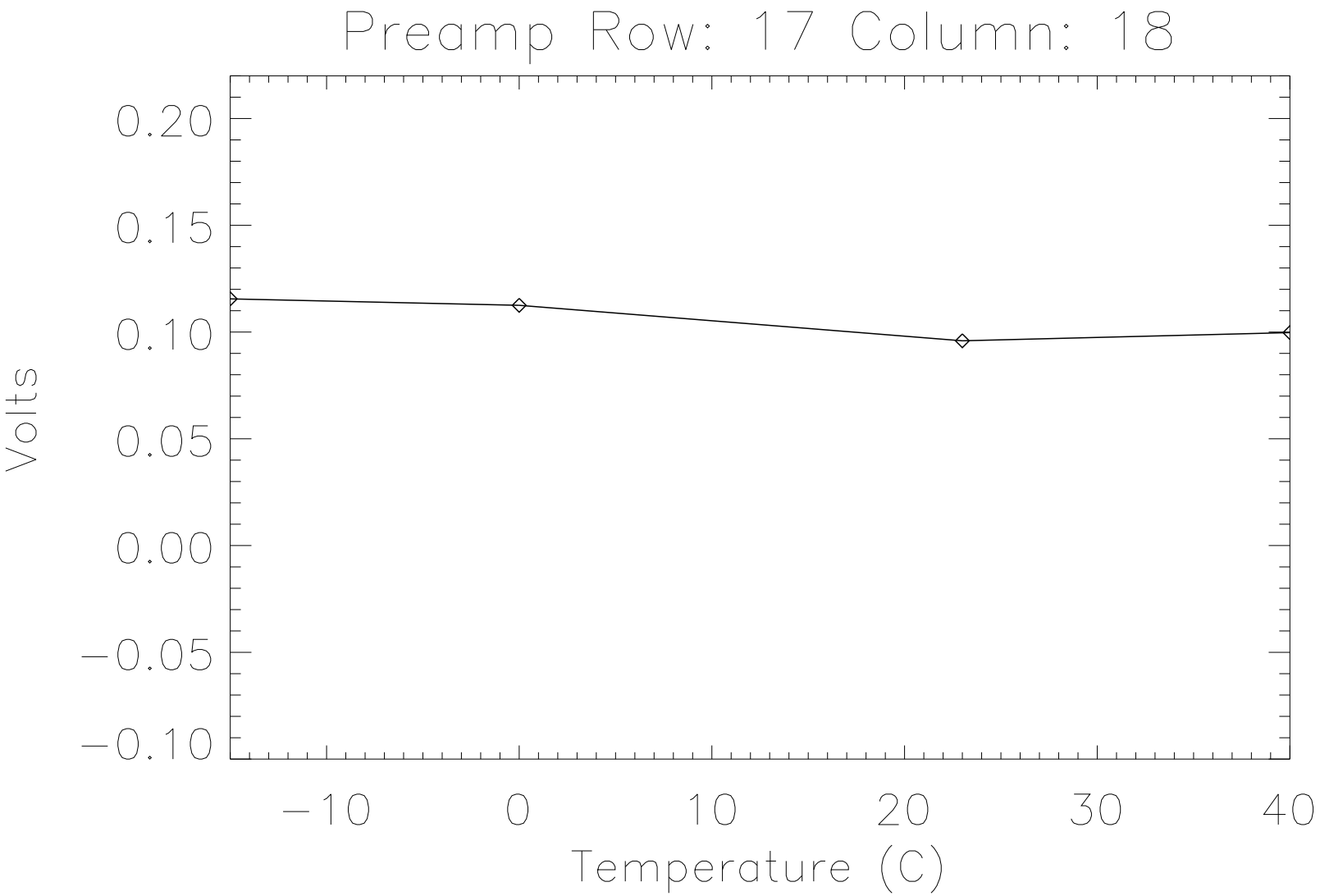
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 17 Column: 18
0.20
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0.10
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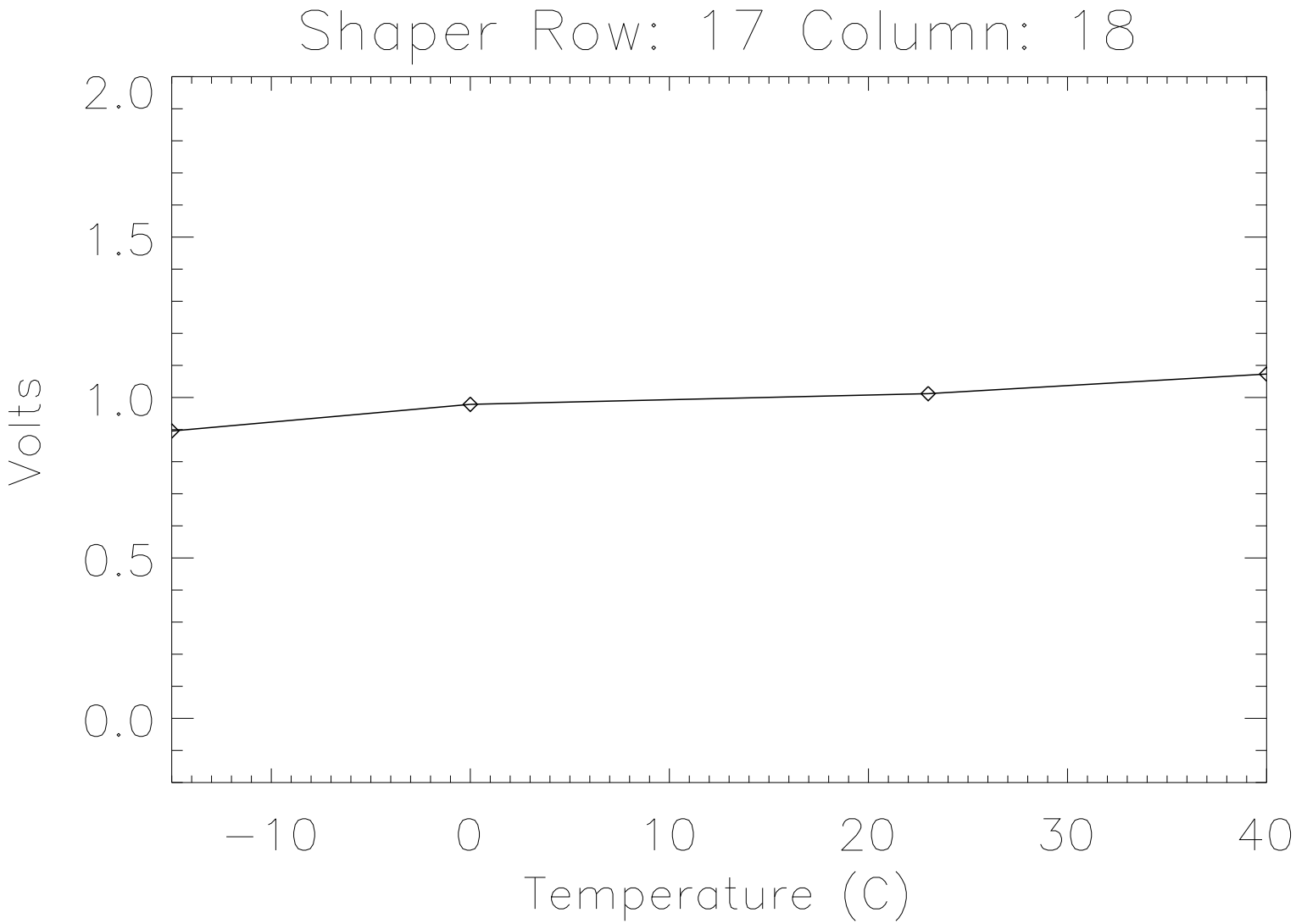
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 17 Column: 18
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1.5
1.0
0.5
0.0
Volts
−10
0
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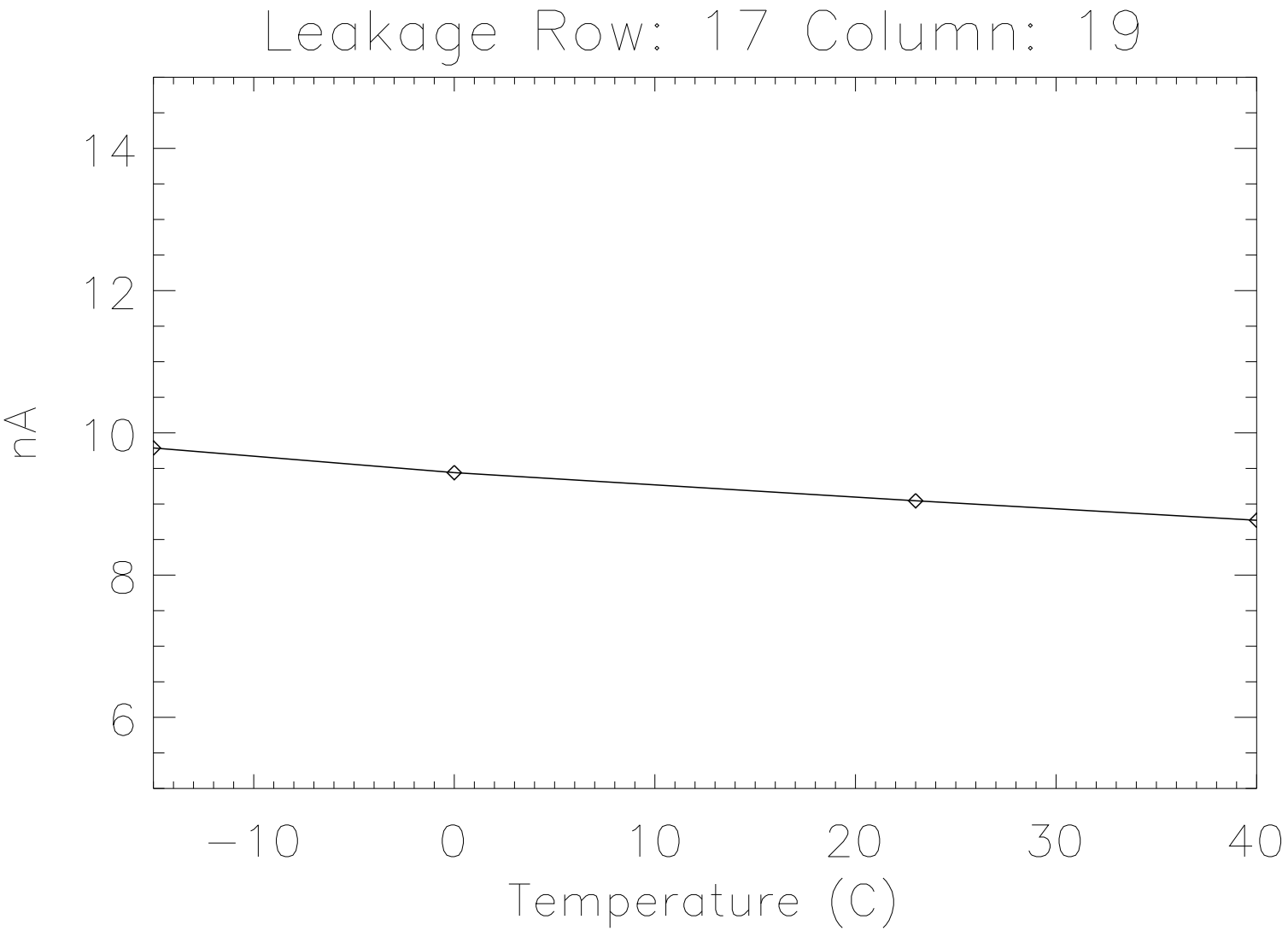
20
30
40
Temperature (C)


Leakage Row: 17 Column: 19
nA
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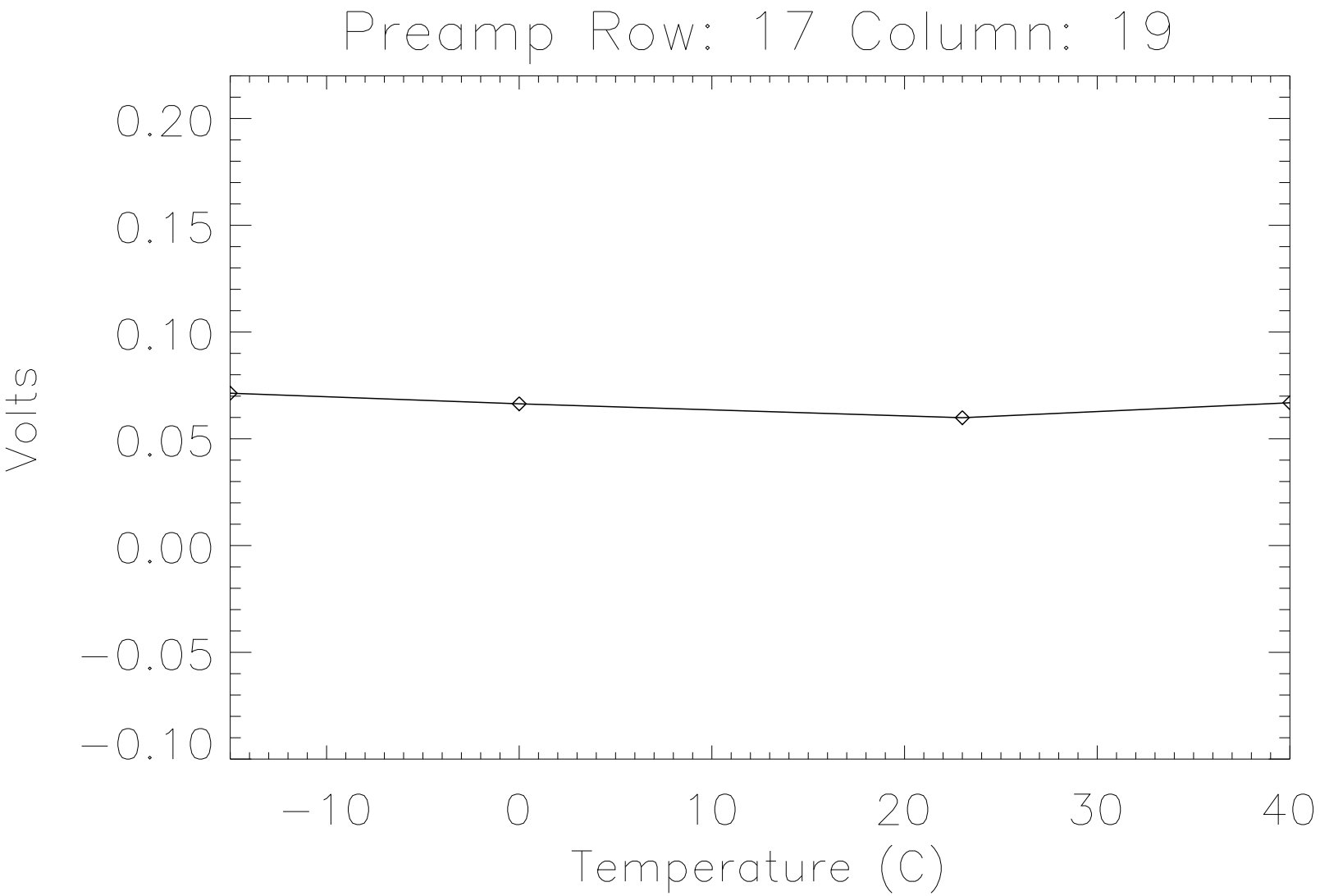
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 17 Column: 19
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0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
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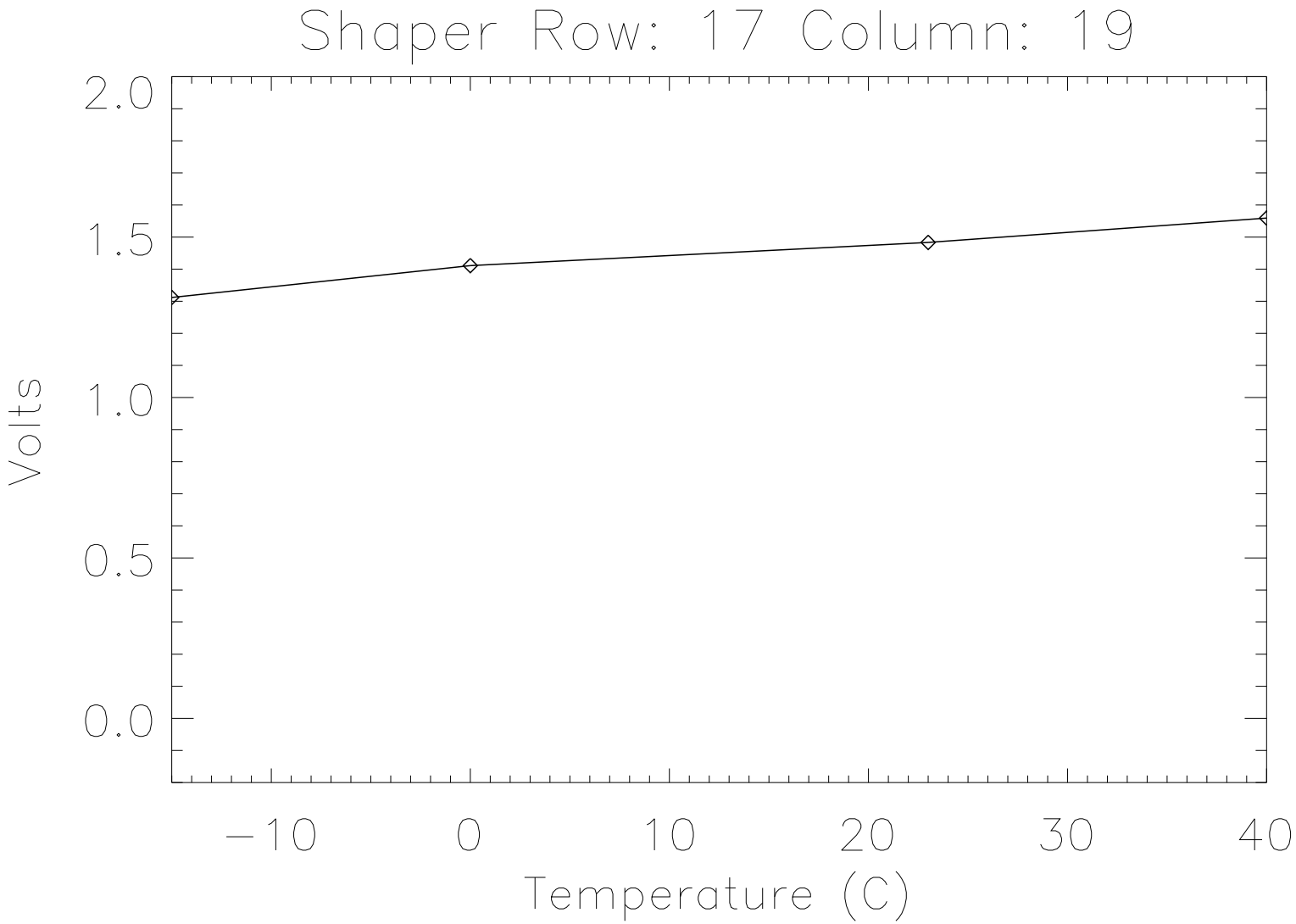
20
30
40
Temperature (C)


Shaper Row: 17 Column: 19
2.0
1.5
1.0
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0.0
Volts
−10
0
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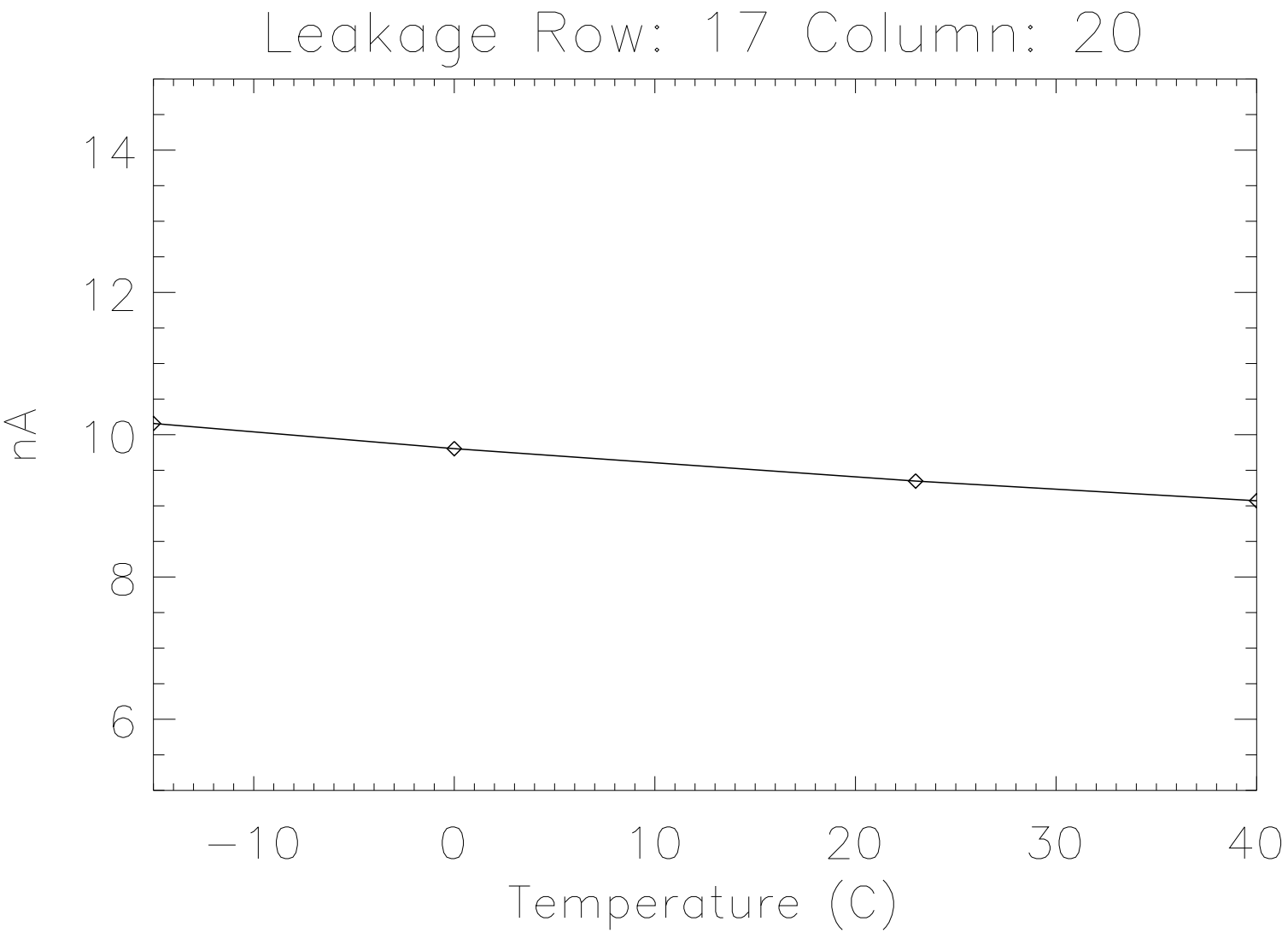
20
30
40
Temperature (C)


Leakage Row: 17 Column: 20
nA
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12
10
8
6
−10
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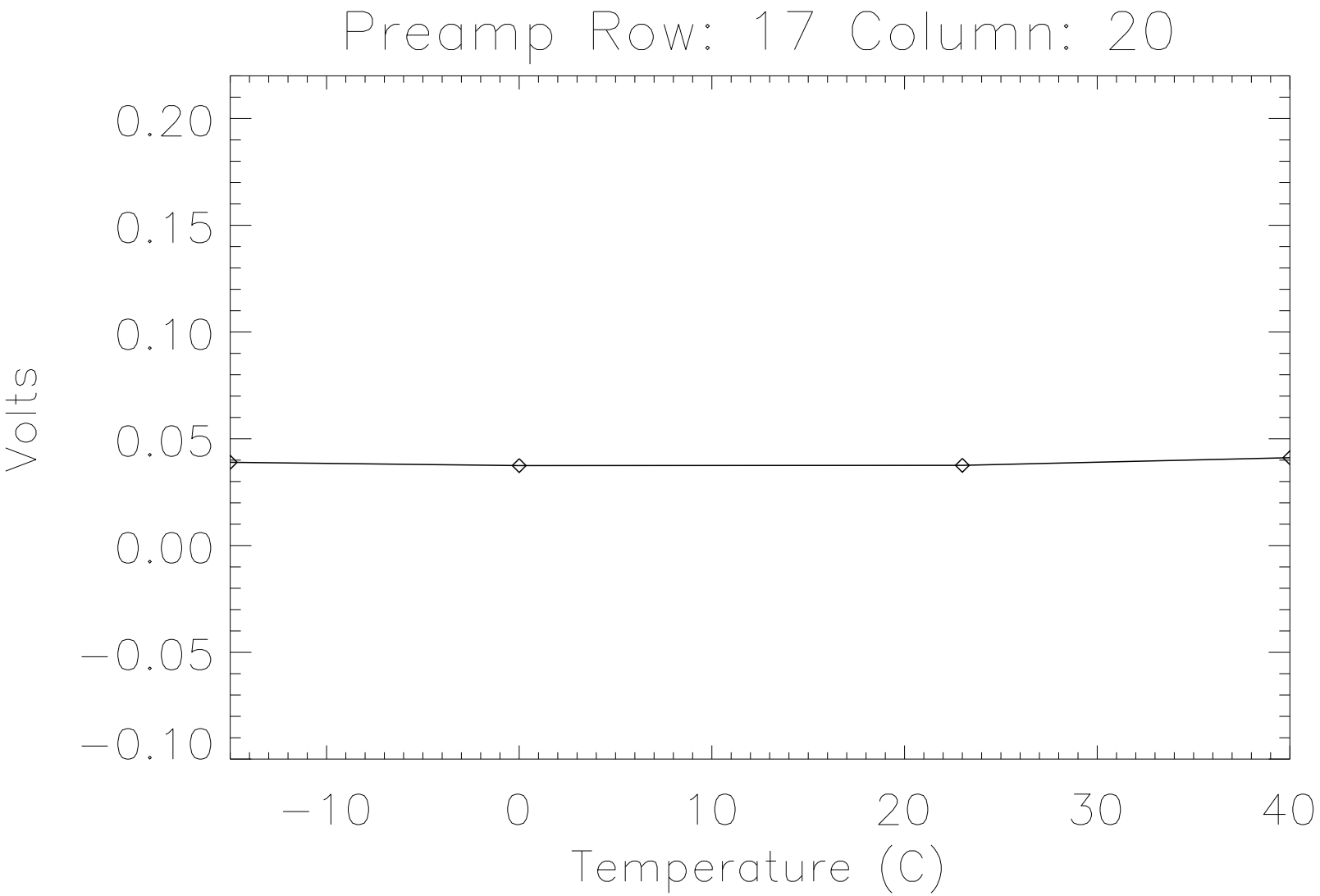
20
30
40
Temperature (C)


Preamp Row: 17 Column: 20
0.20
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0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
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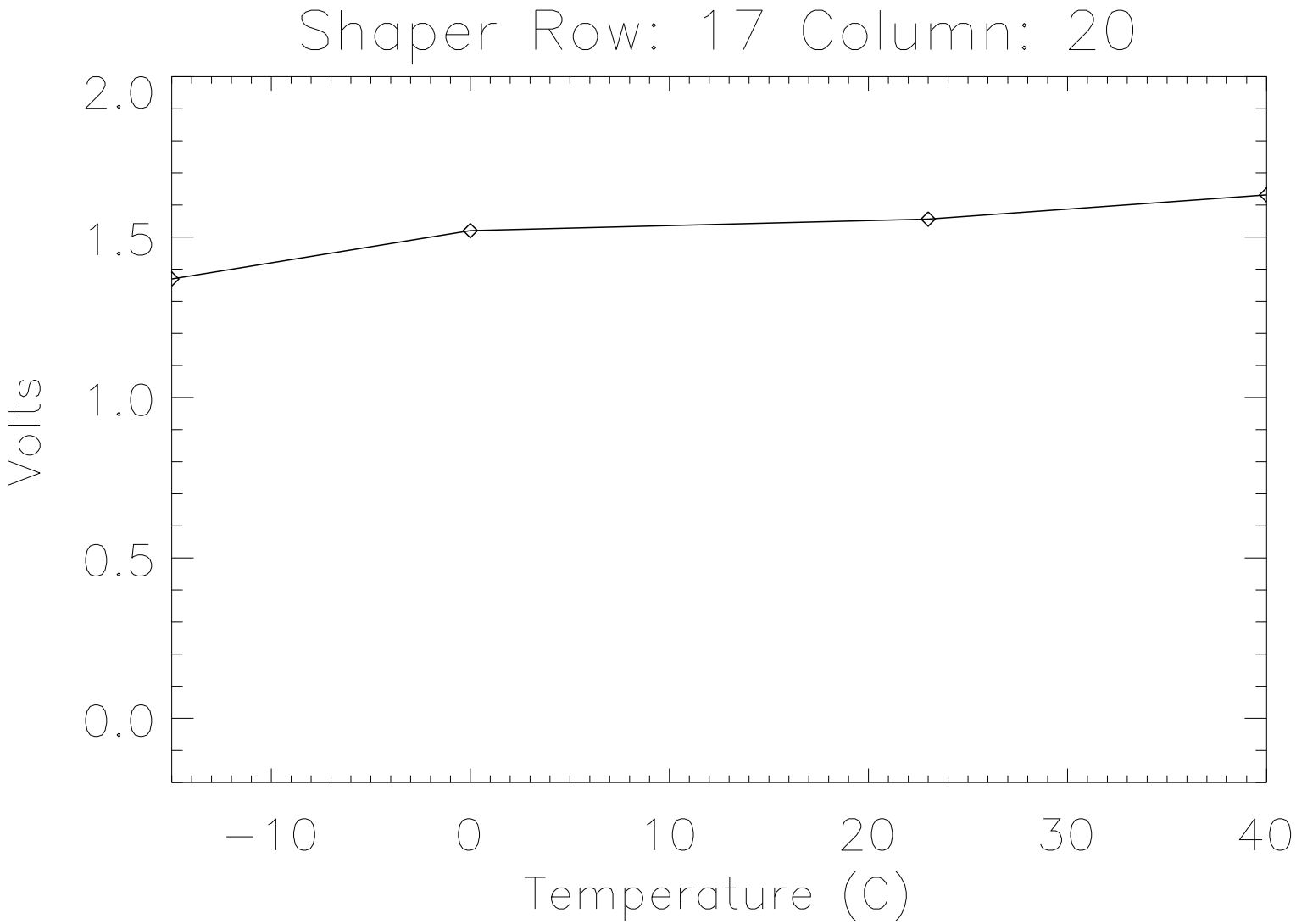
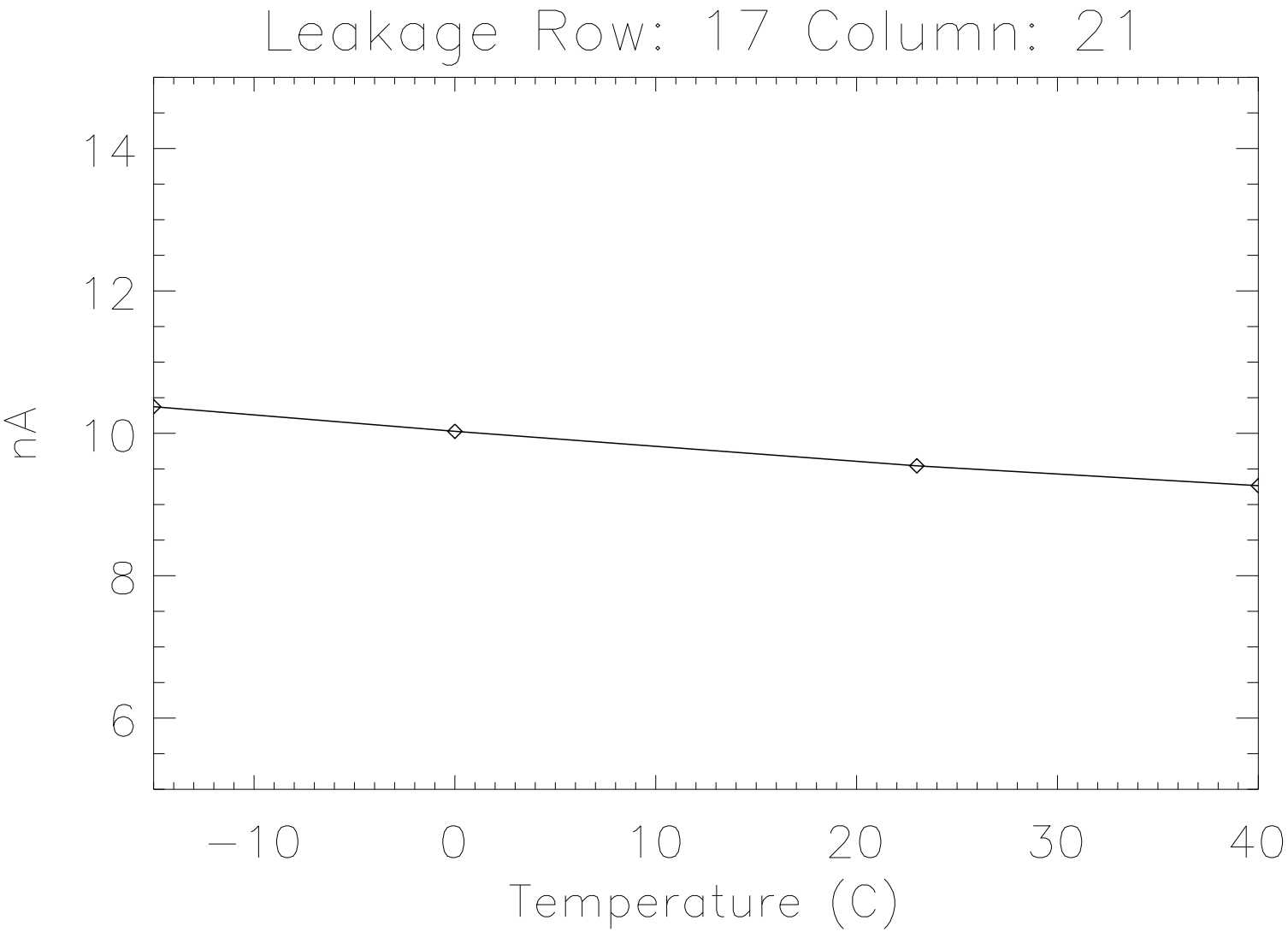
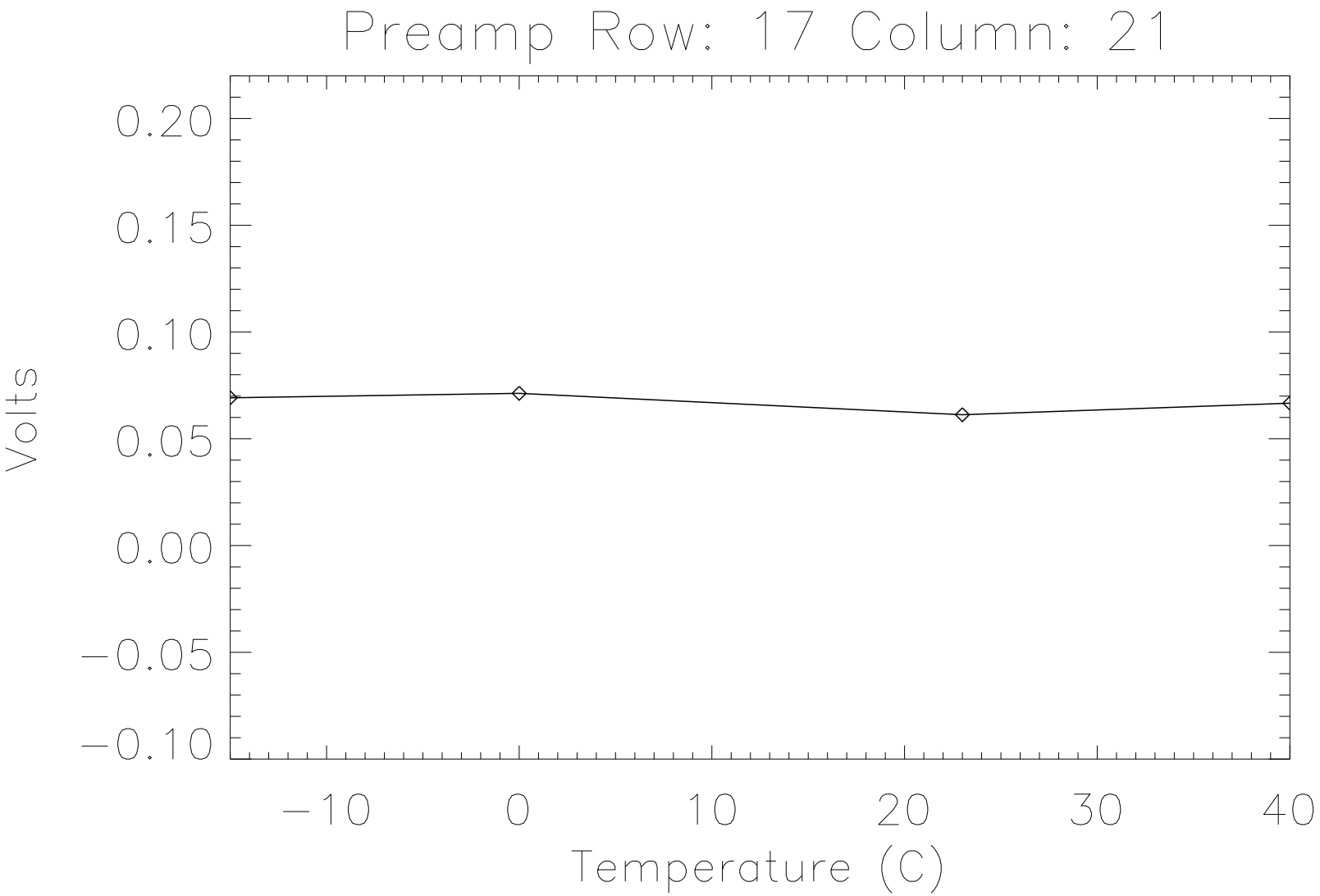
20
30
40
Temperature (C)


Shaper Row: 17 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 17 Column: 21
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 17 Column: 21
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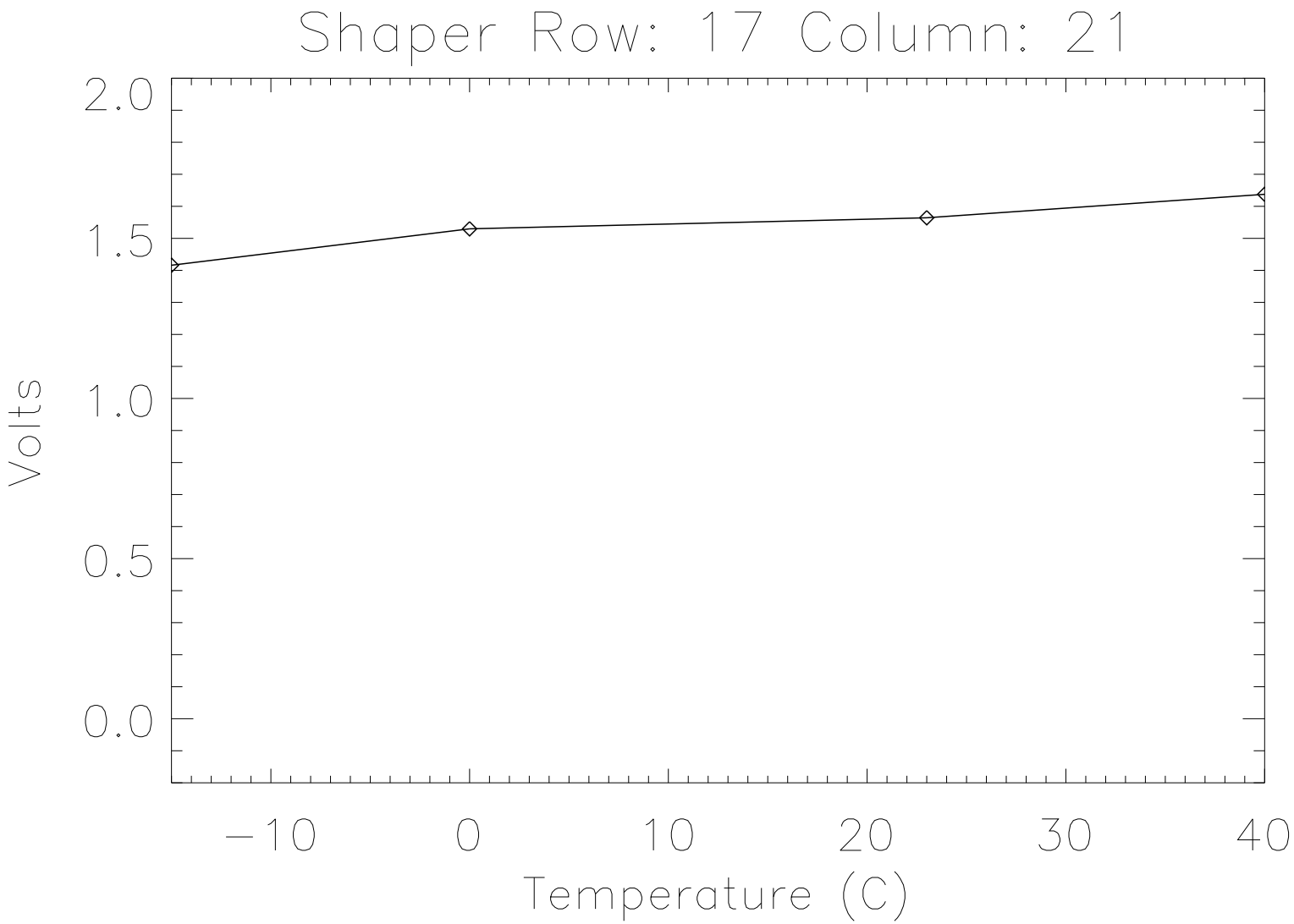
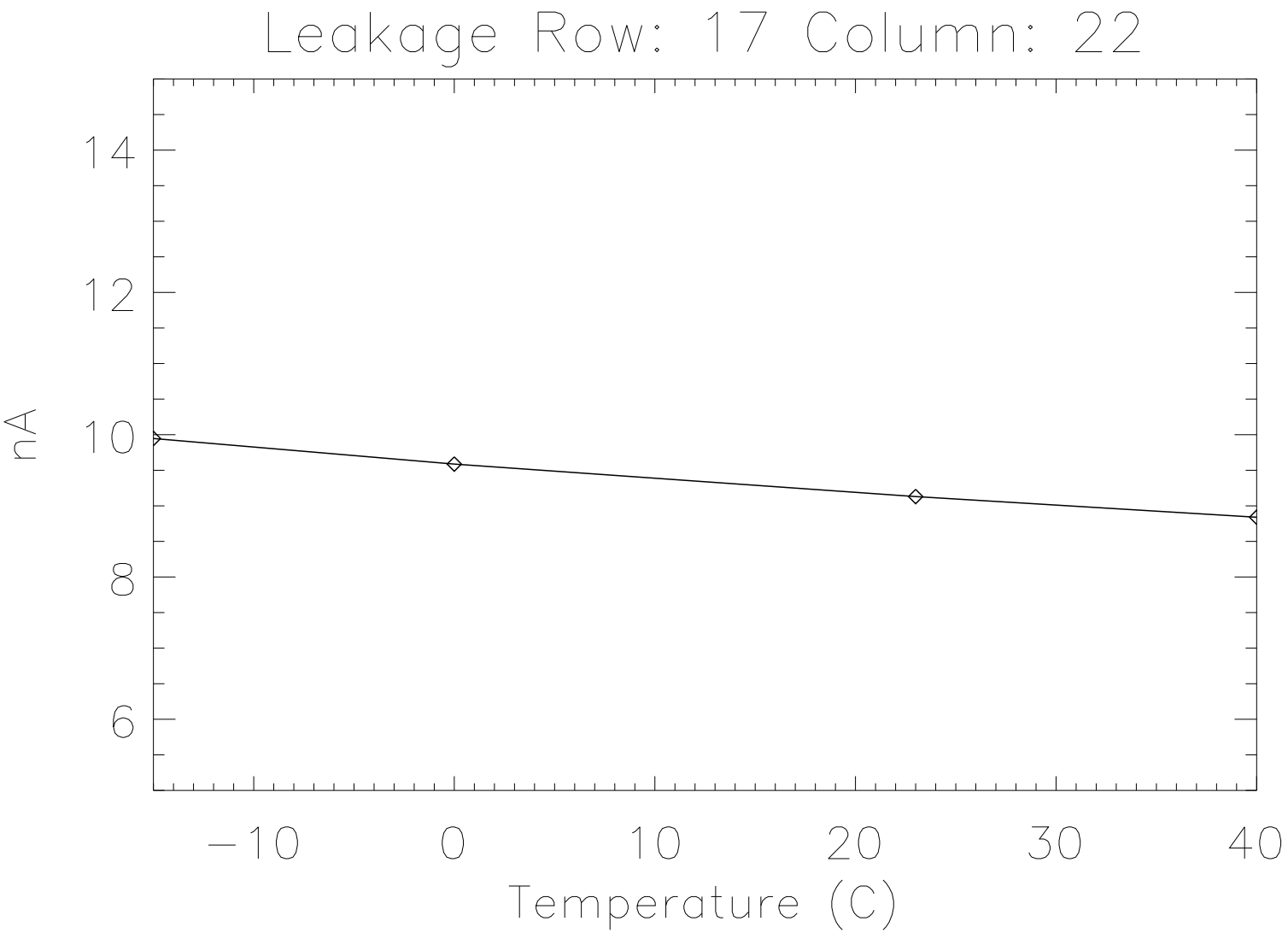
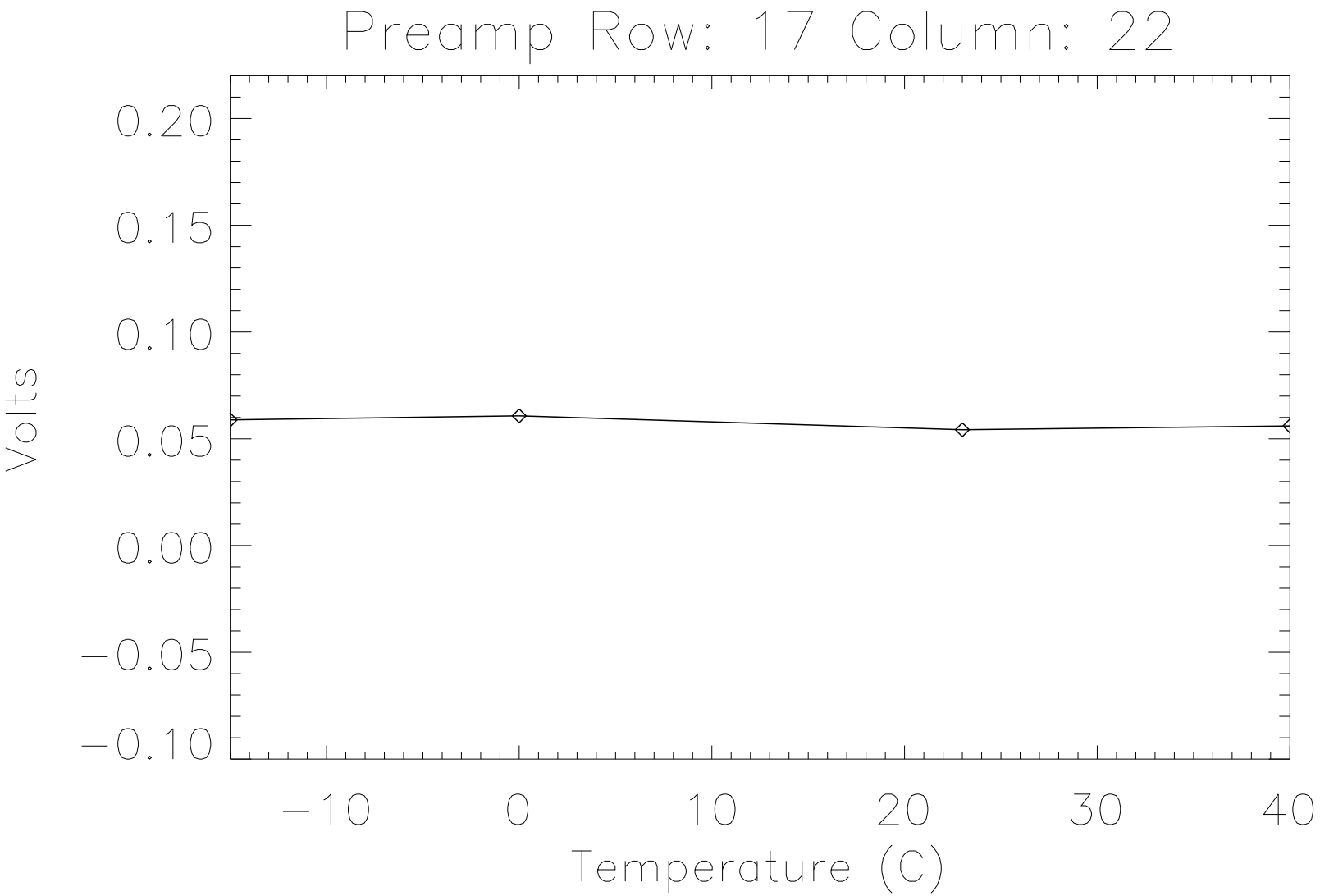
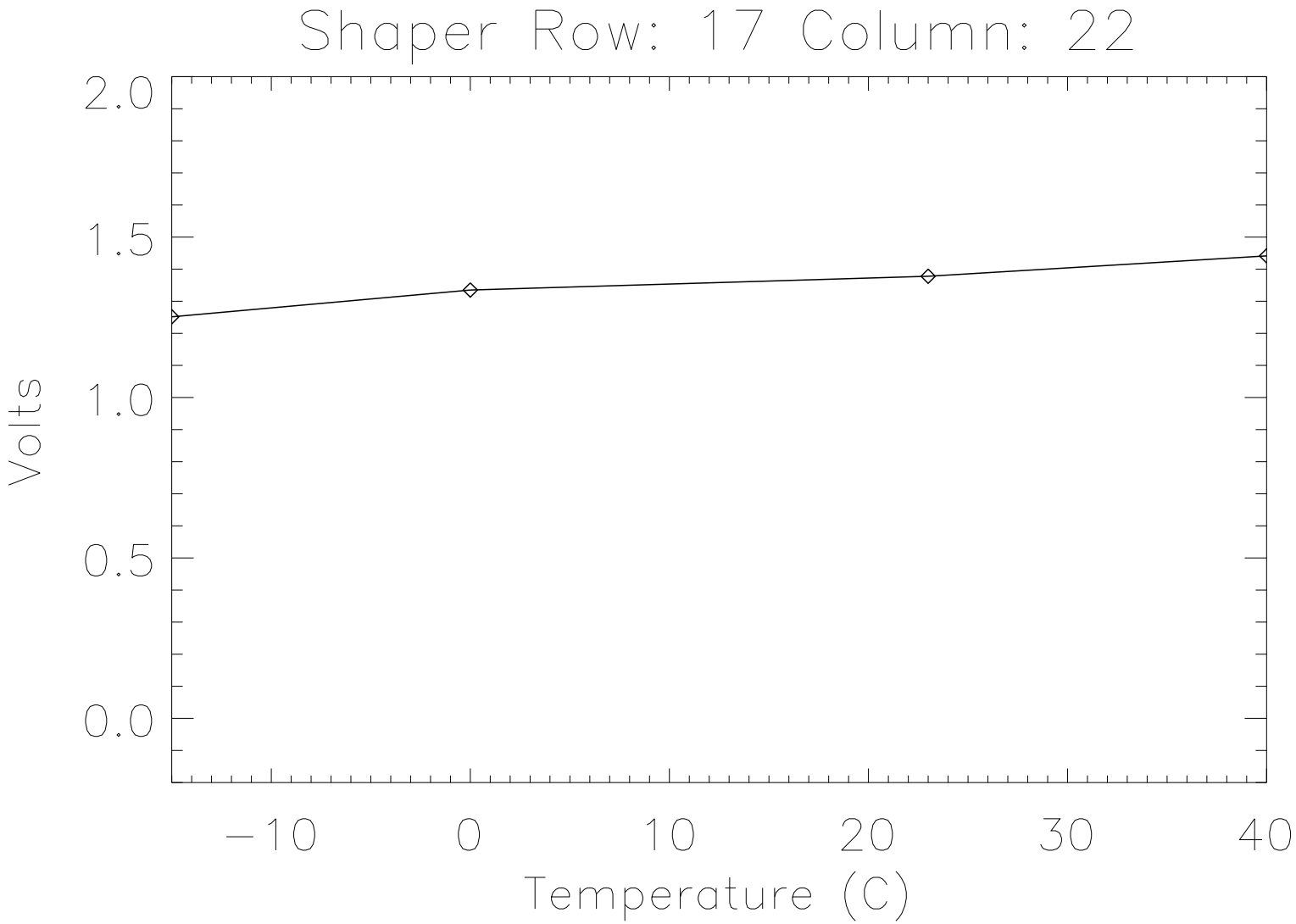
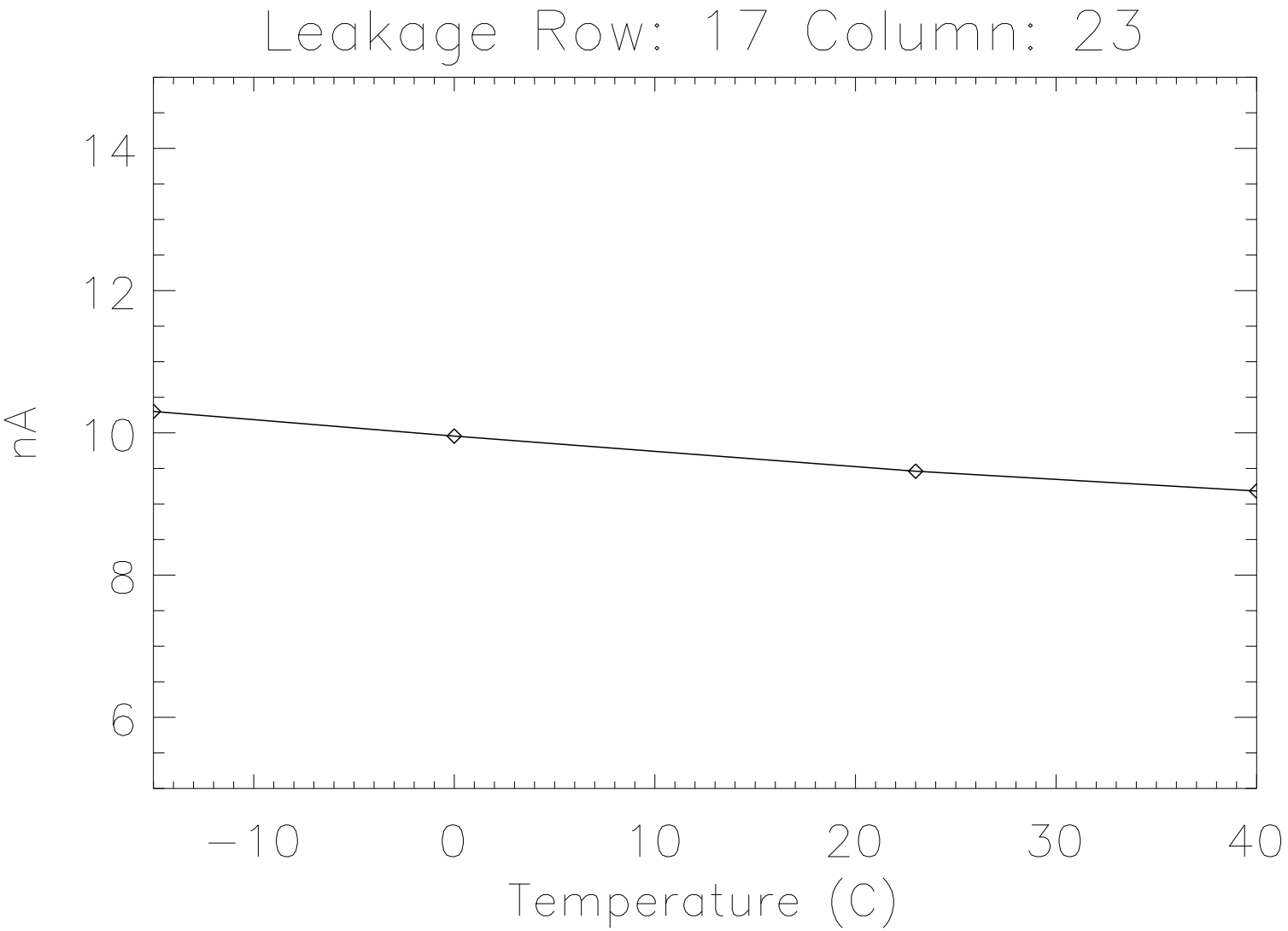
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

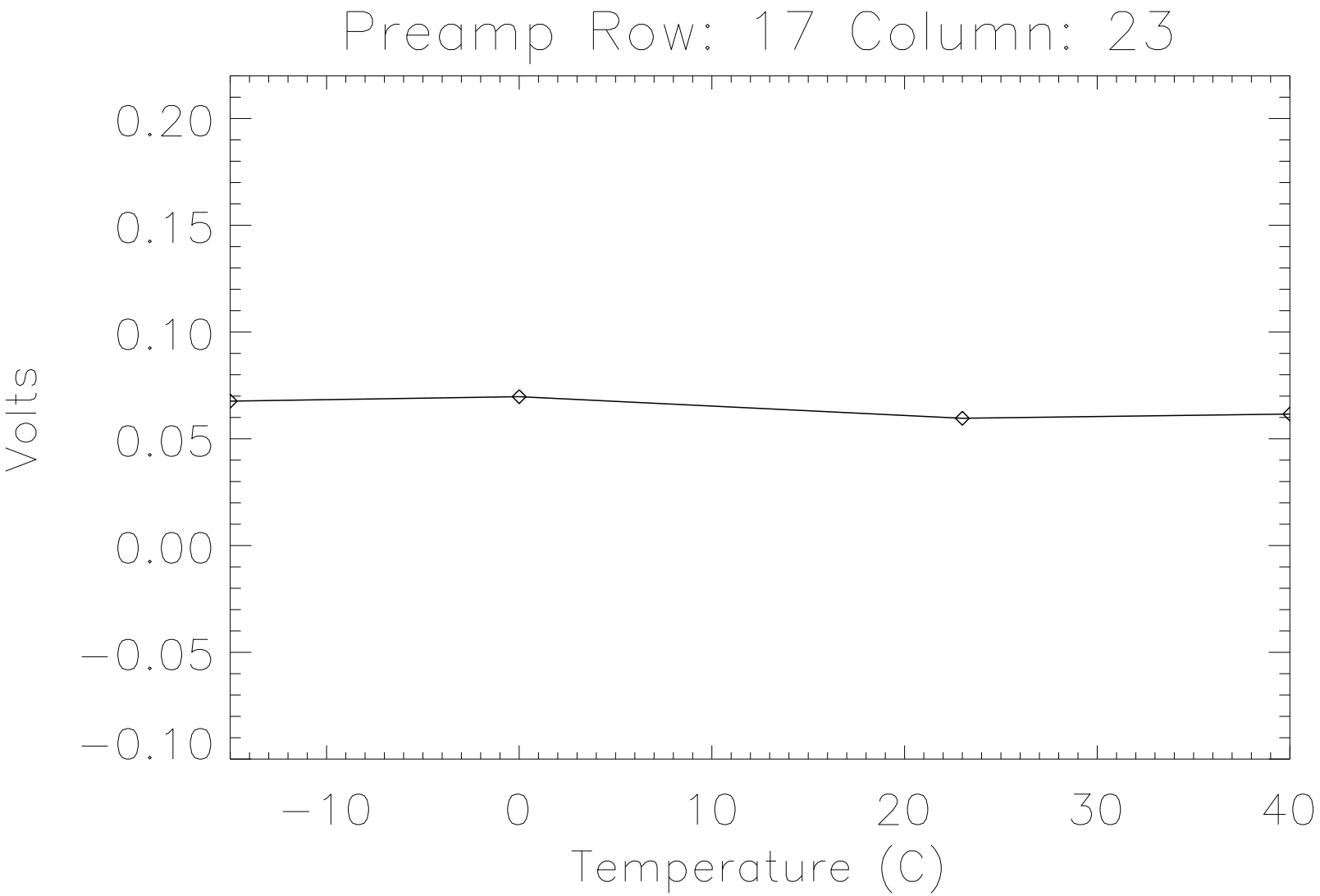

Shaper Row: 17 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

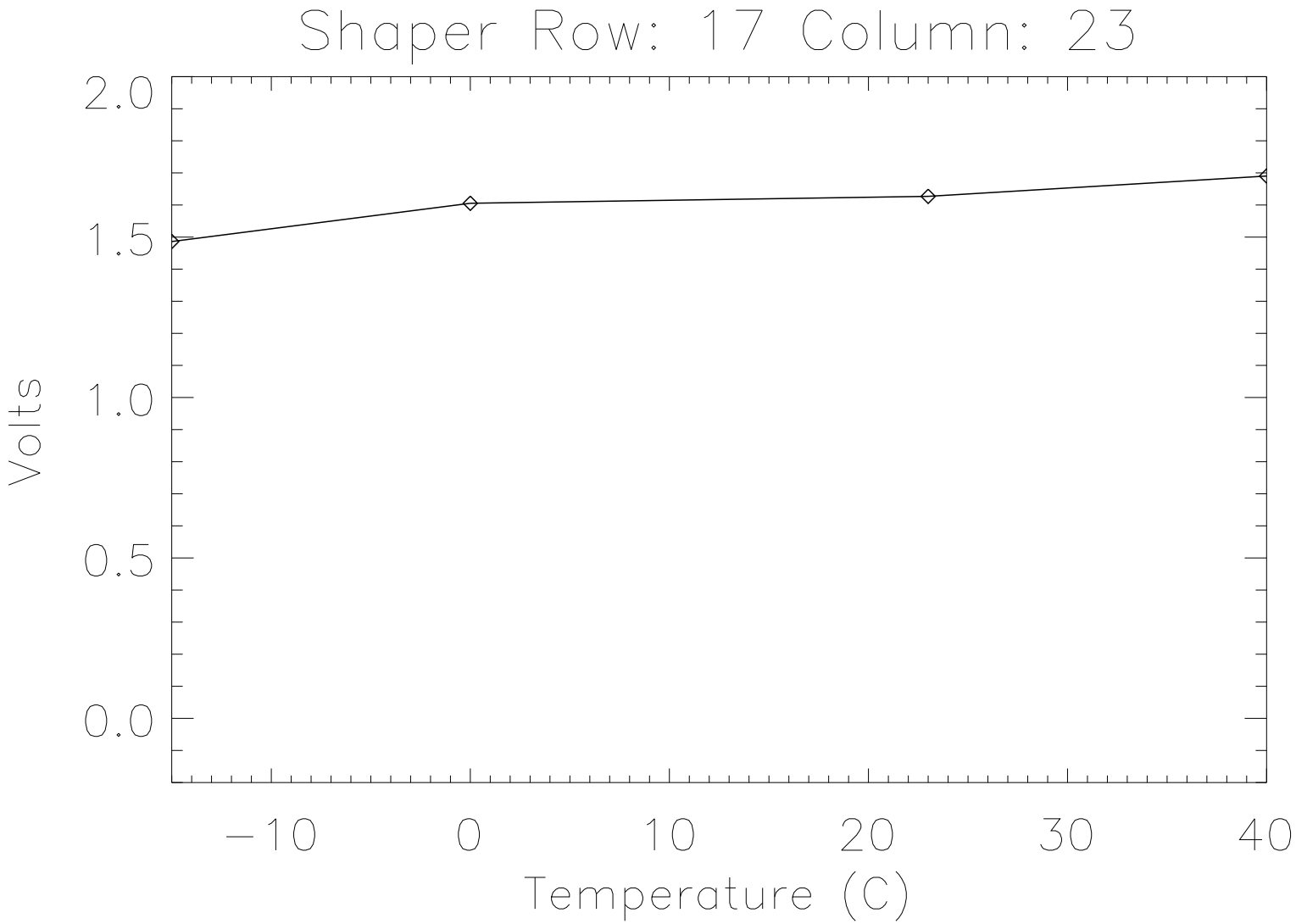

Leakage Row: 17 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

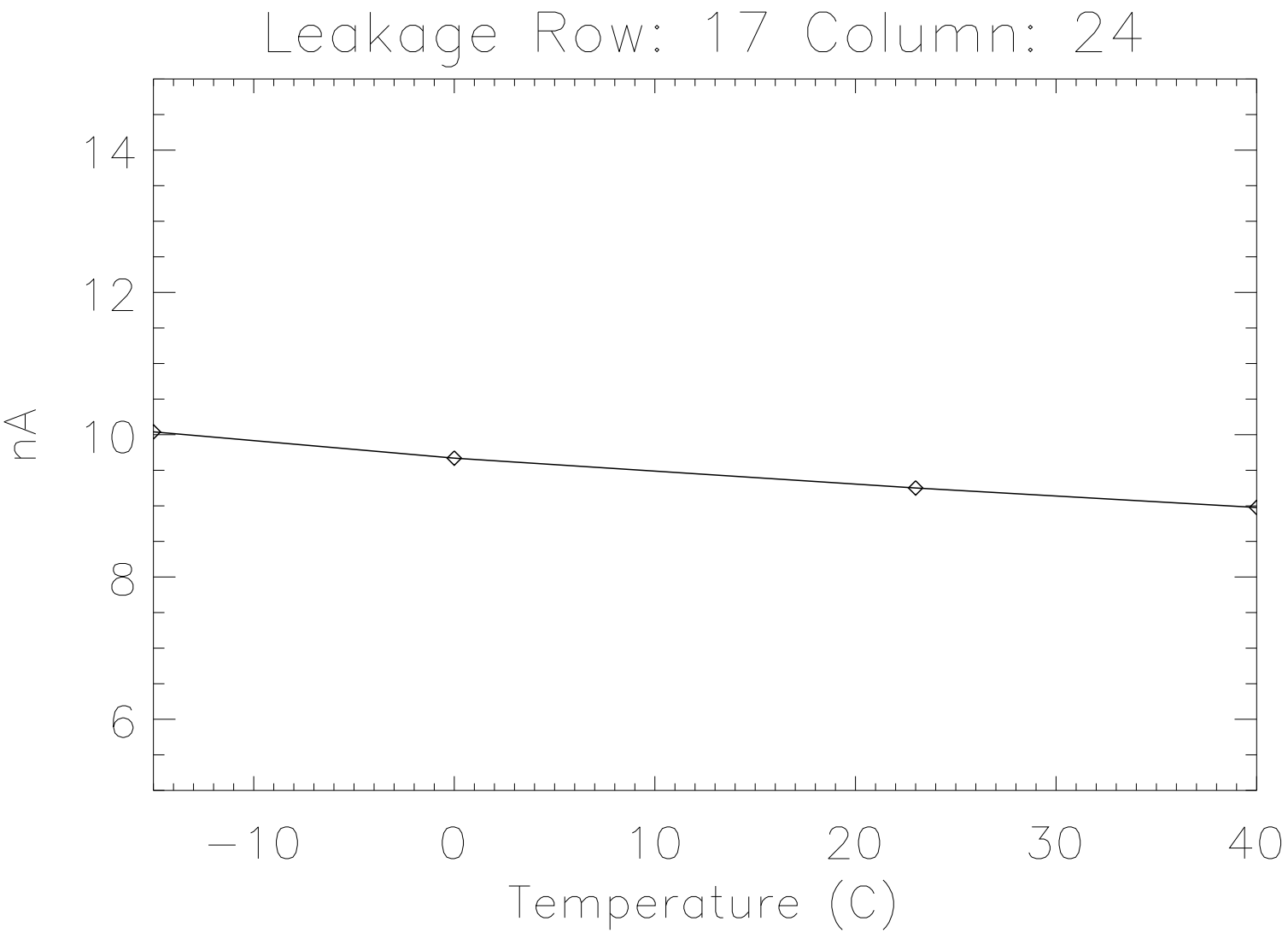

Preamp Row: 17 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

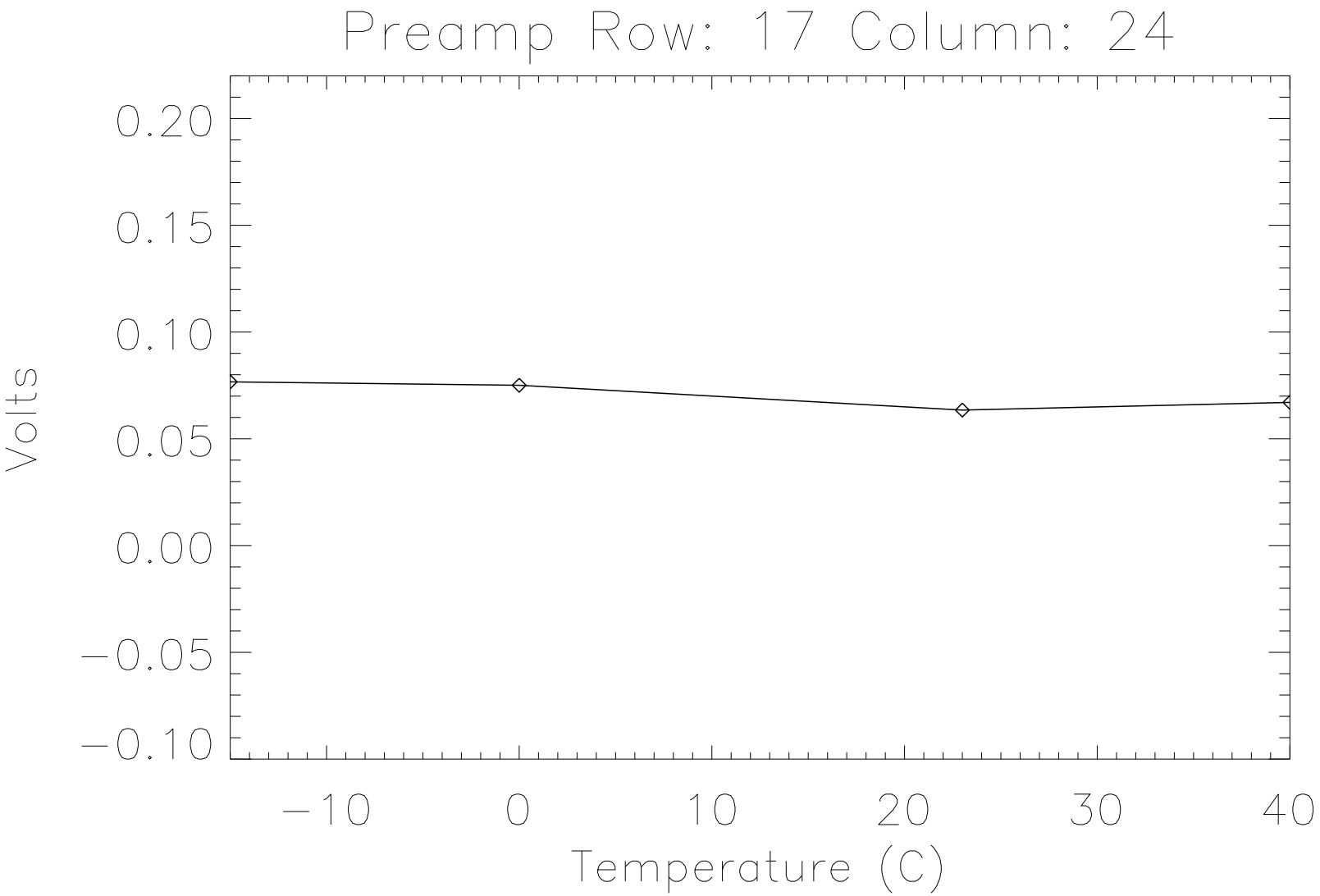

Shaper Row: 17 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

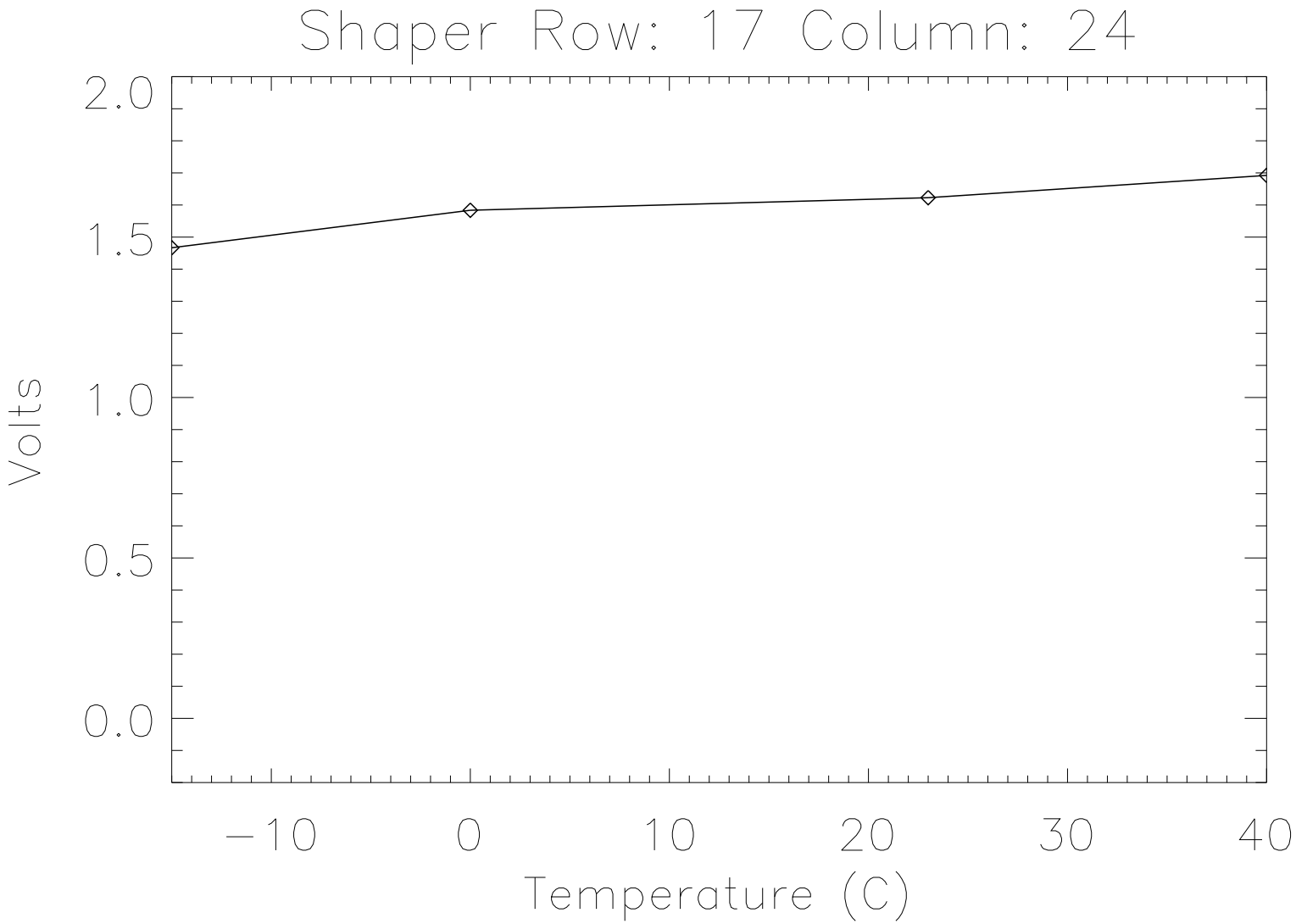

Leakage Row: 17 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

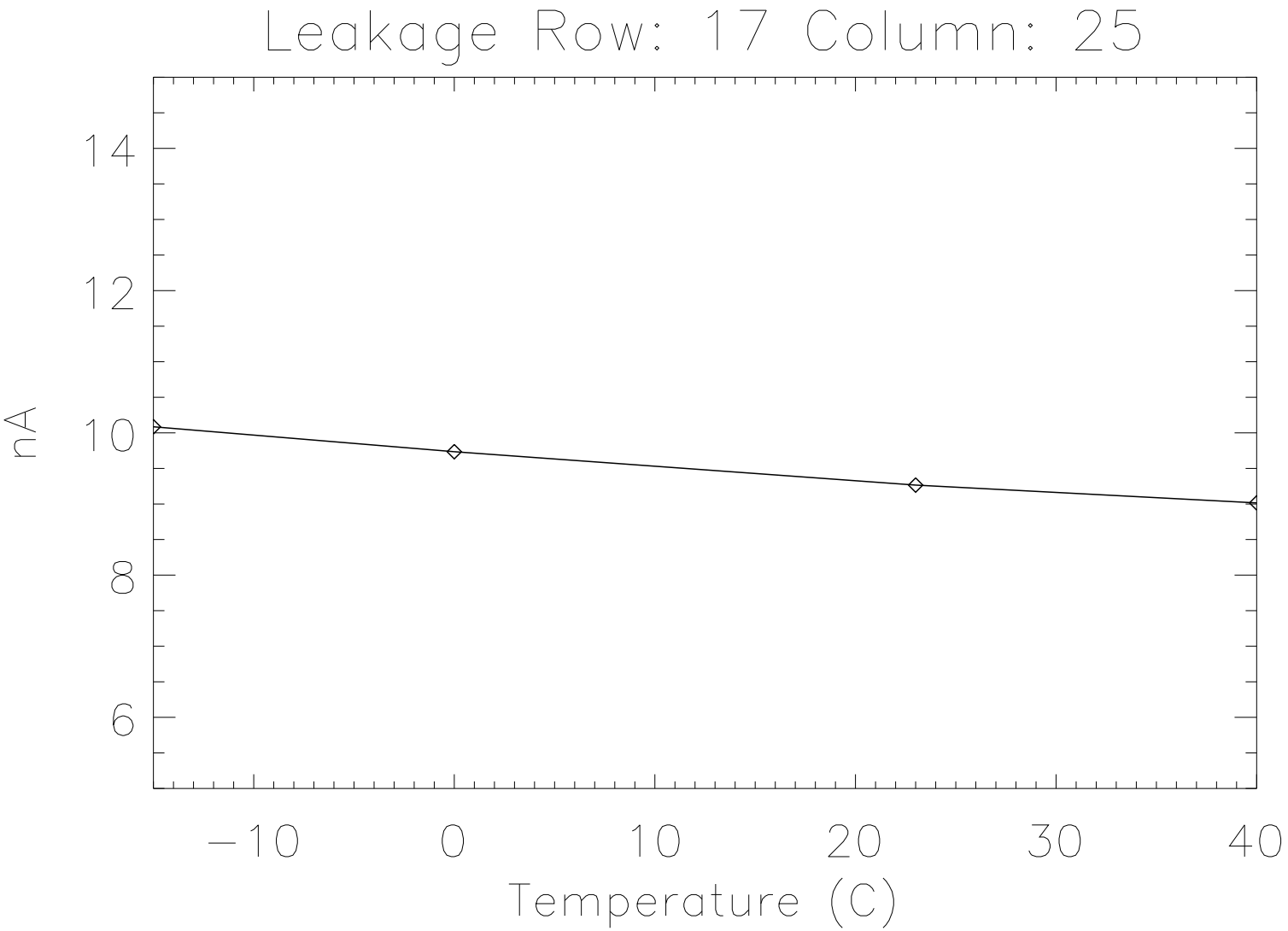

Preamp Row: 17 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

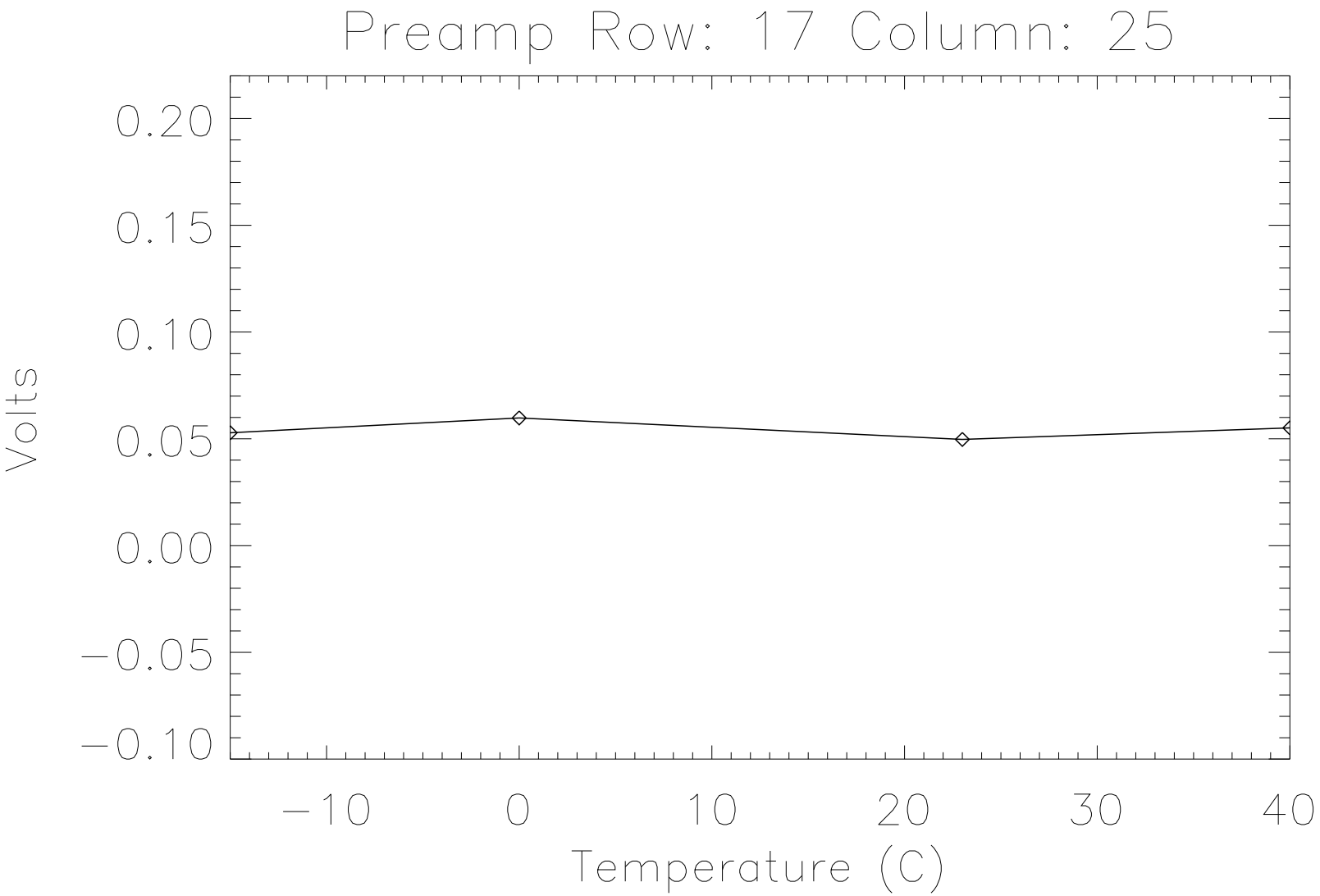

Shaper Row: 17 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

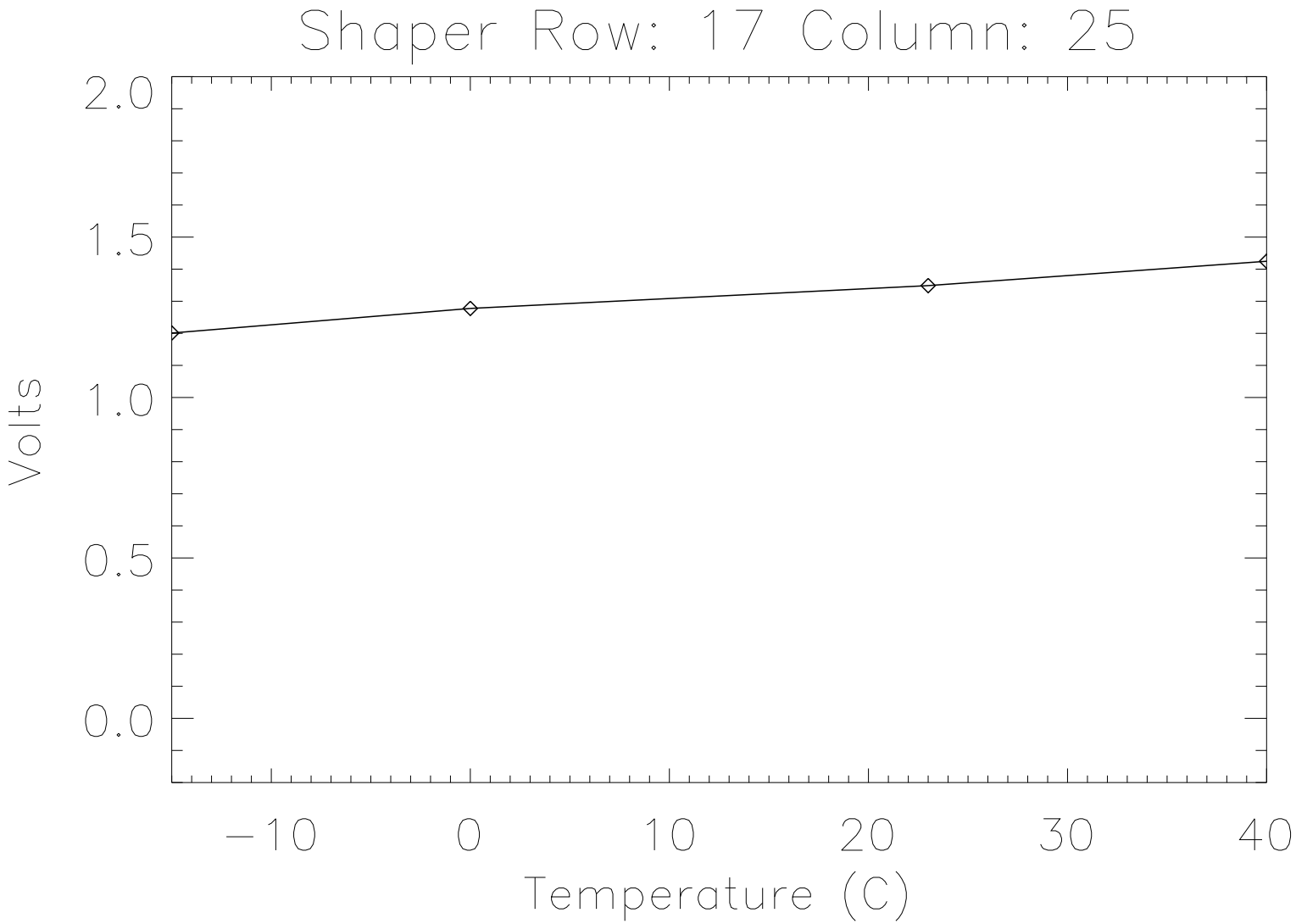

Leakage Row: 17 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

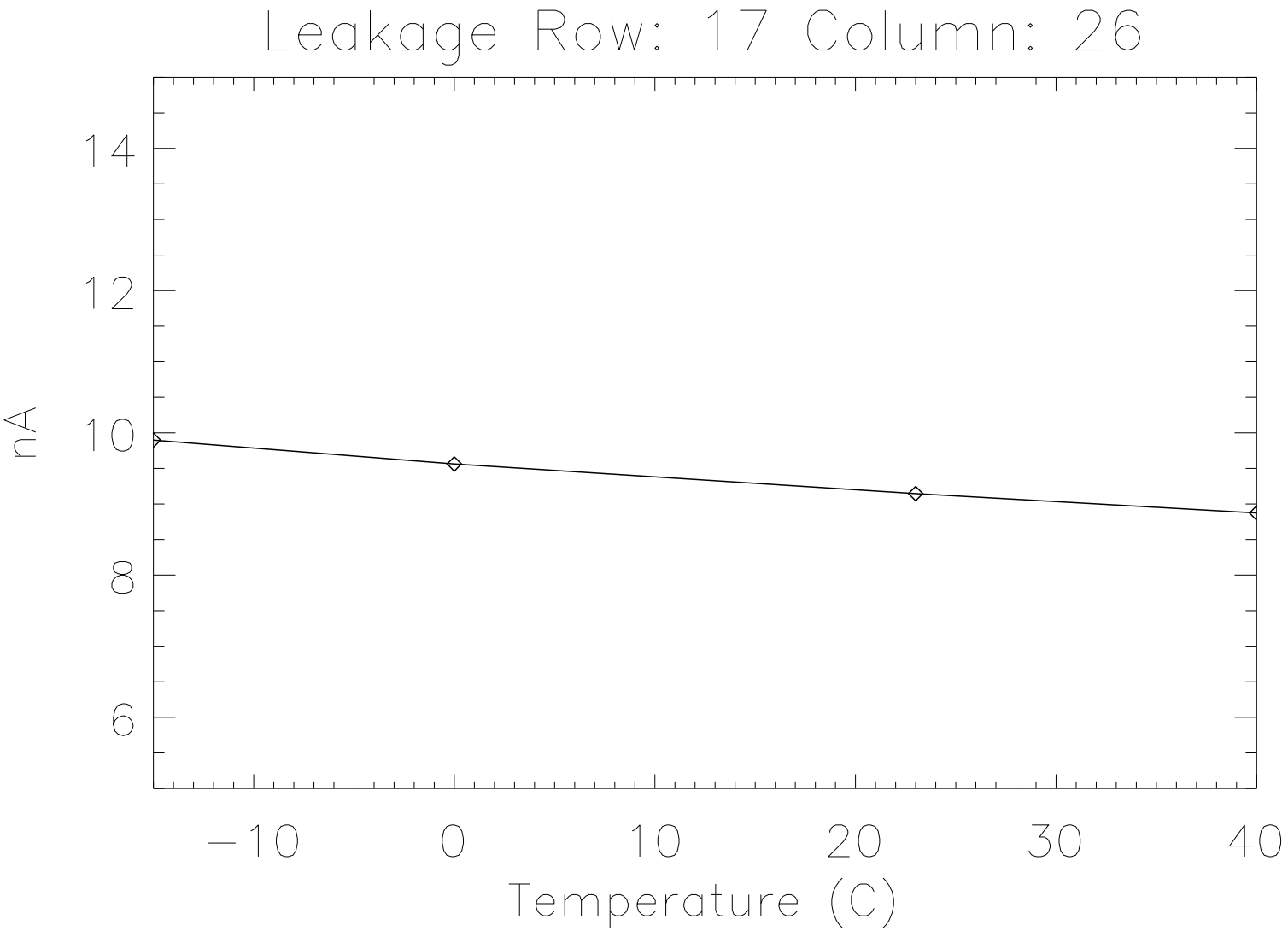

Preamp Row: 17 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

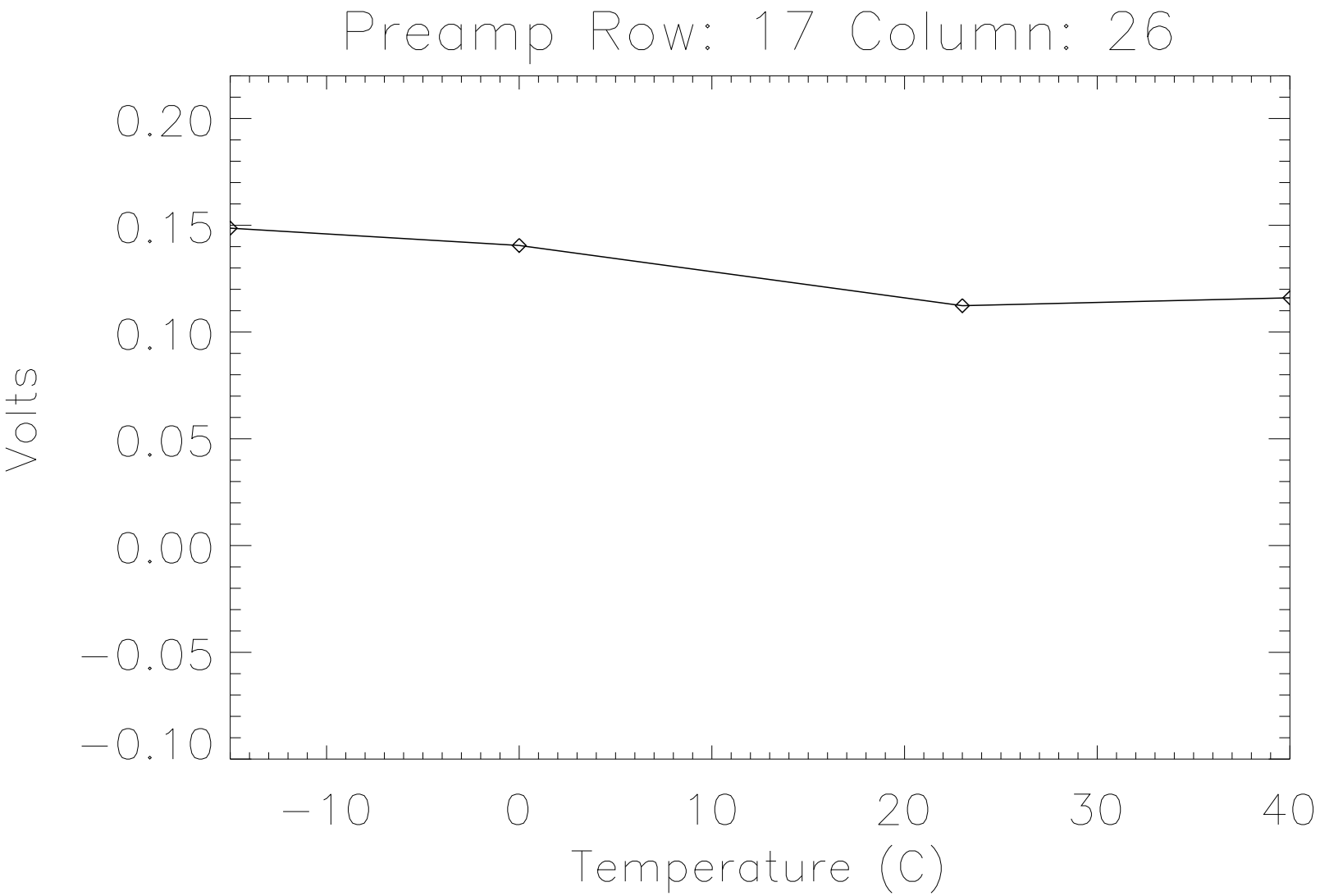

Shaper Row: 17 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

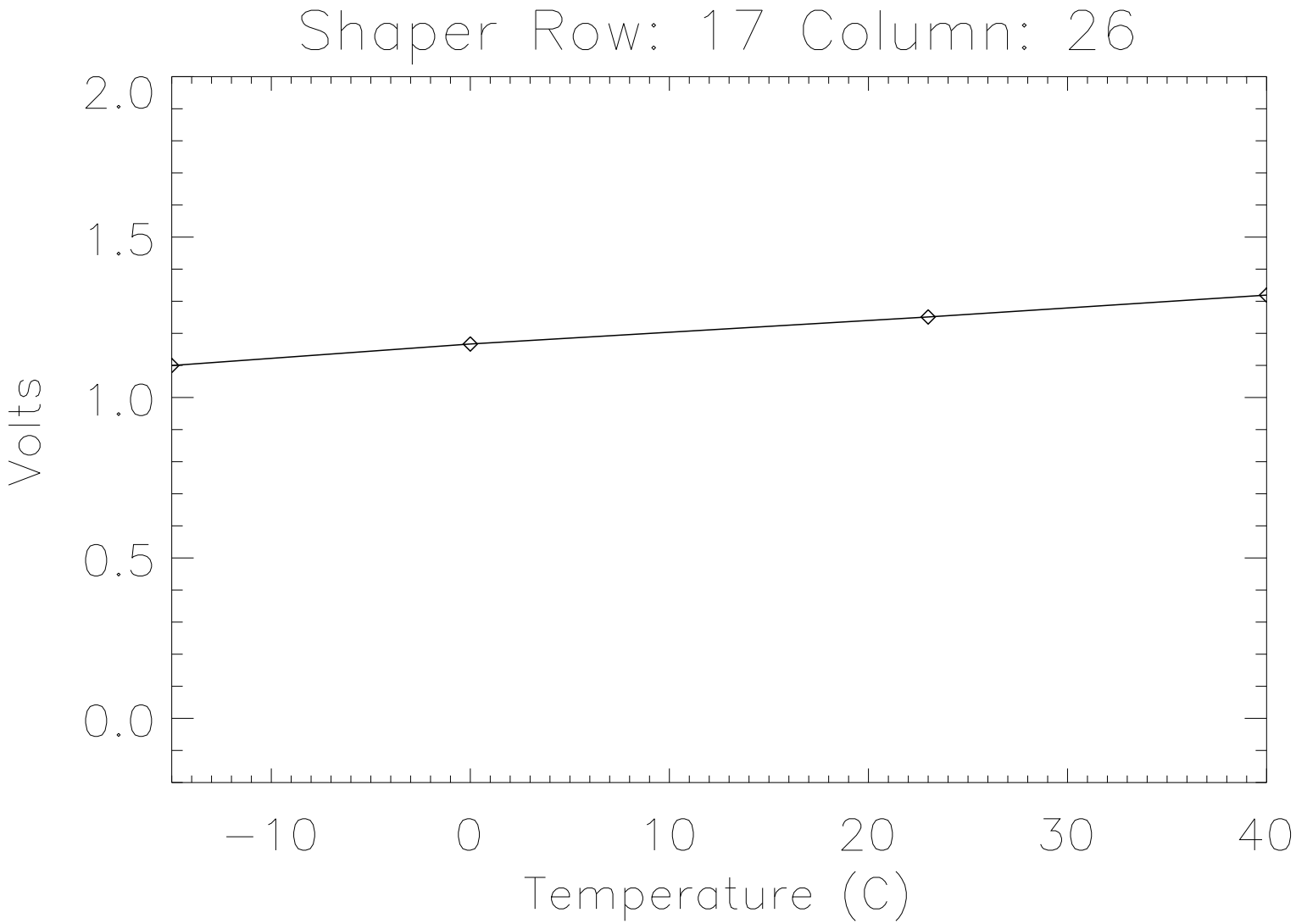

Leakage Row: 17 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

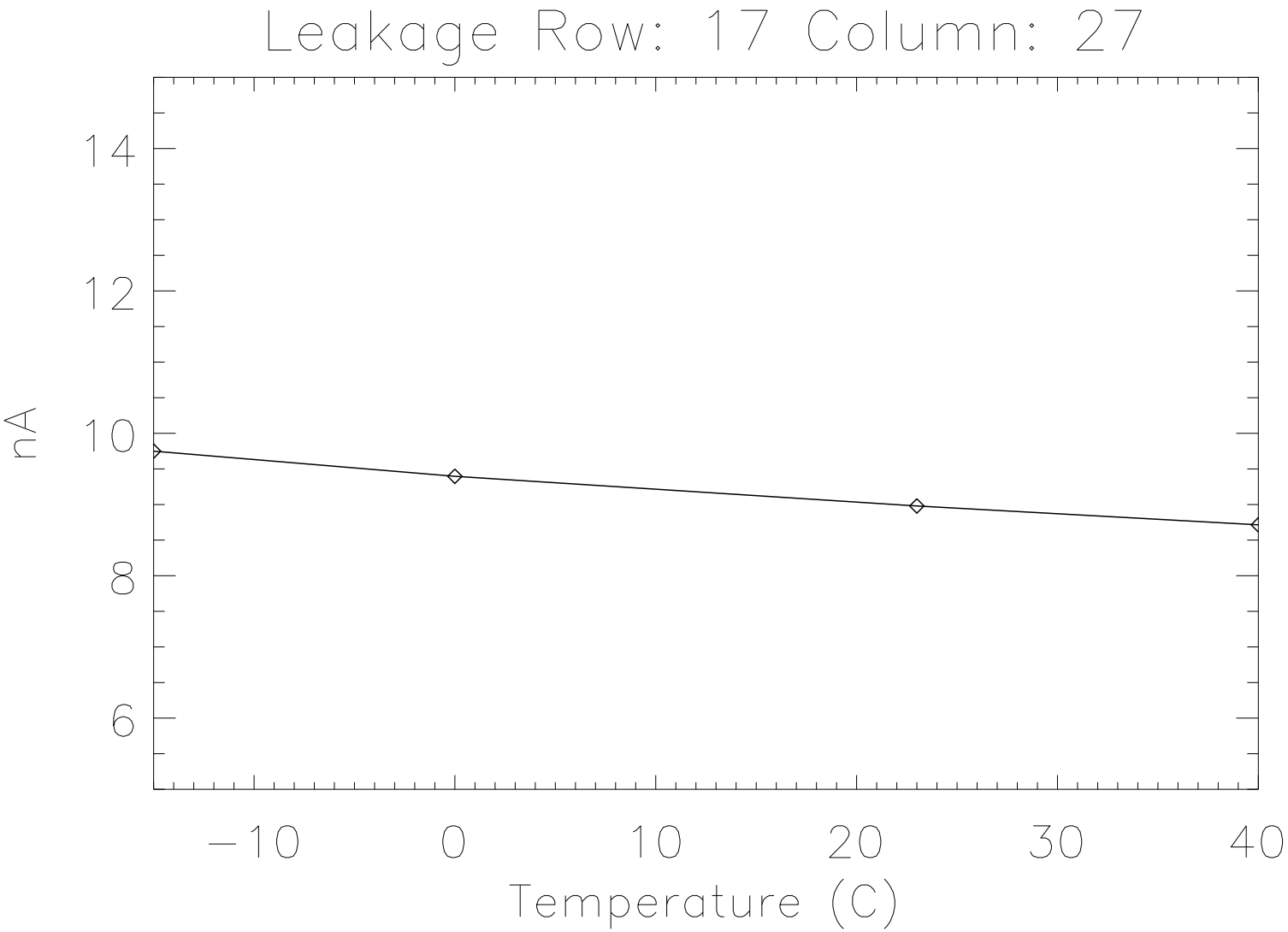

Preamp Row: 17 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

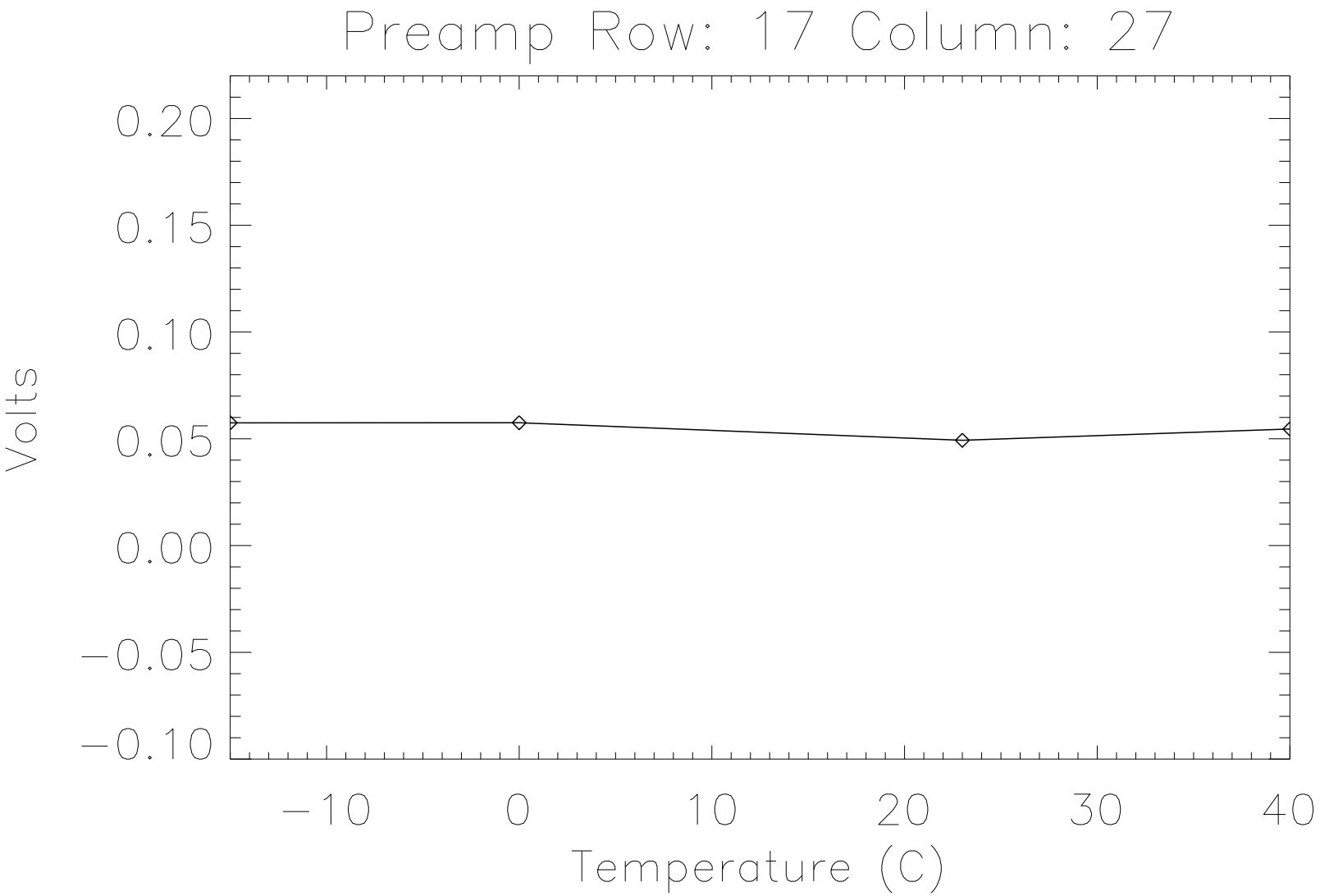

Shaper Row: 17 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

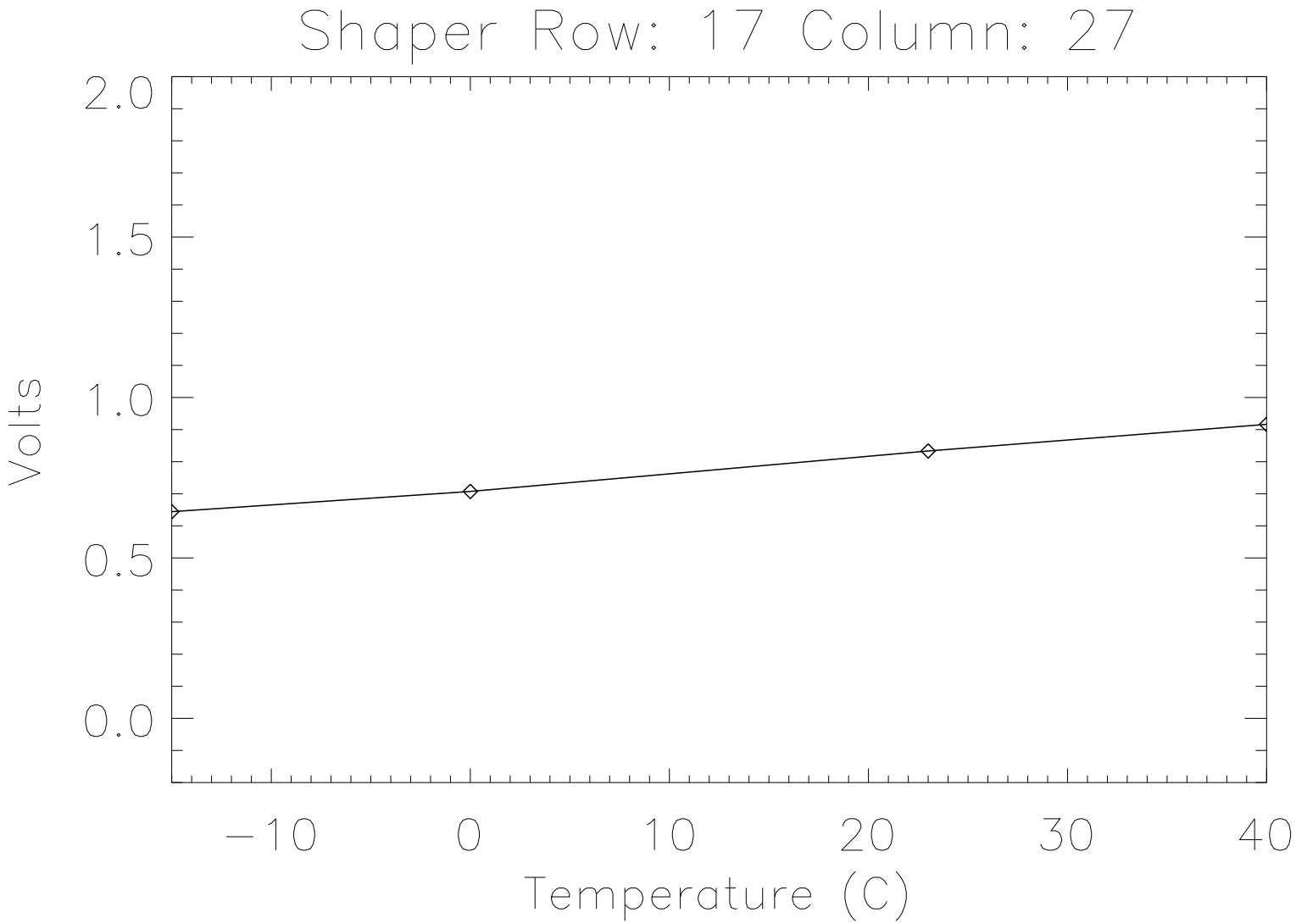

Leakage Row: 17 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

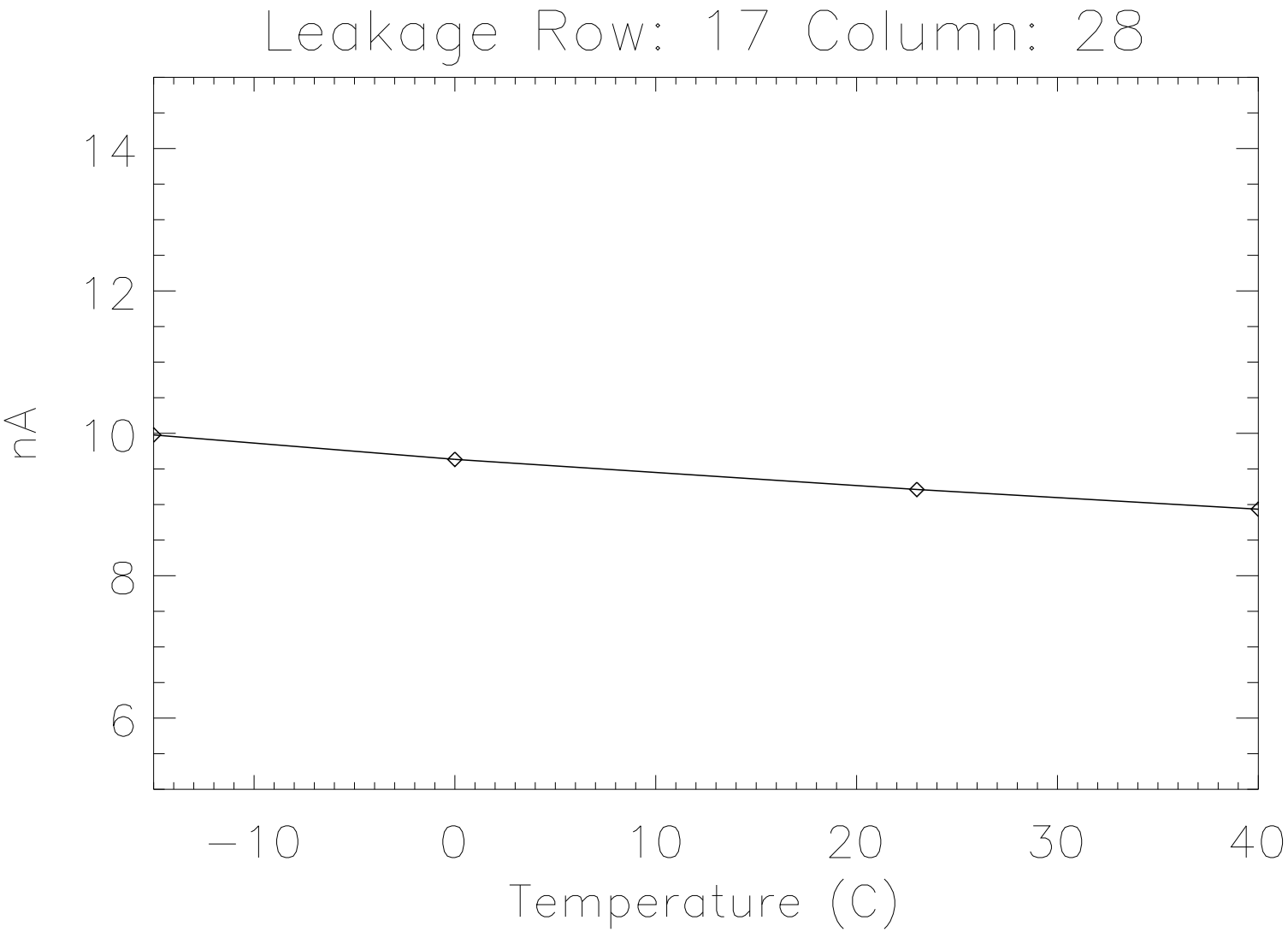

Preamp Row: 17 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

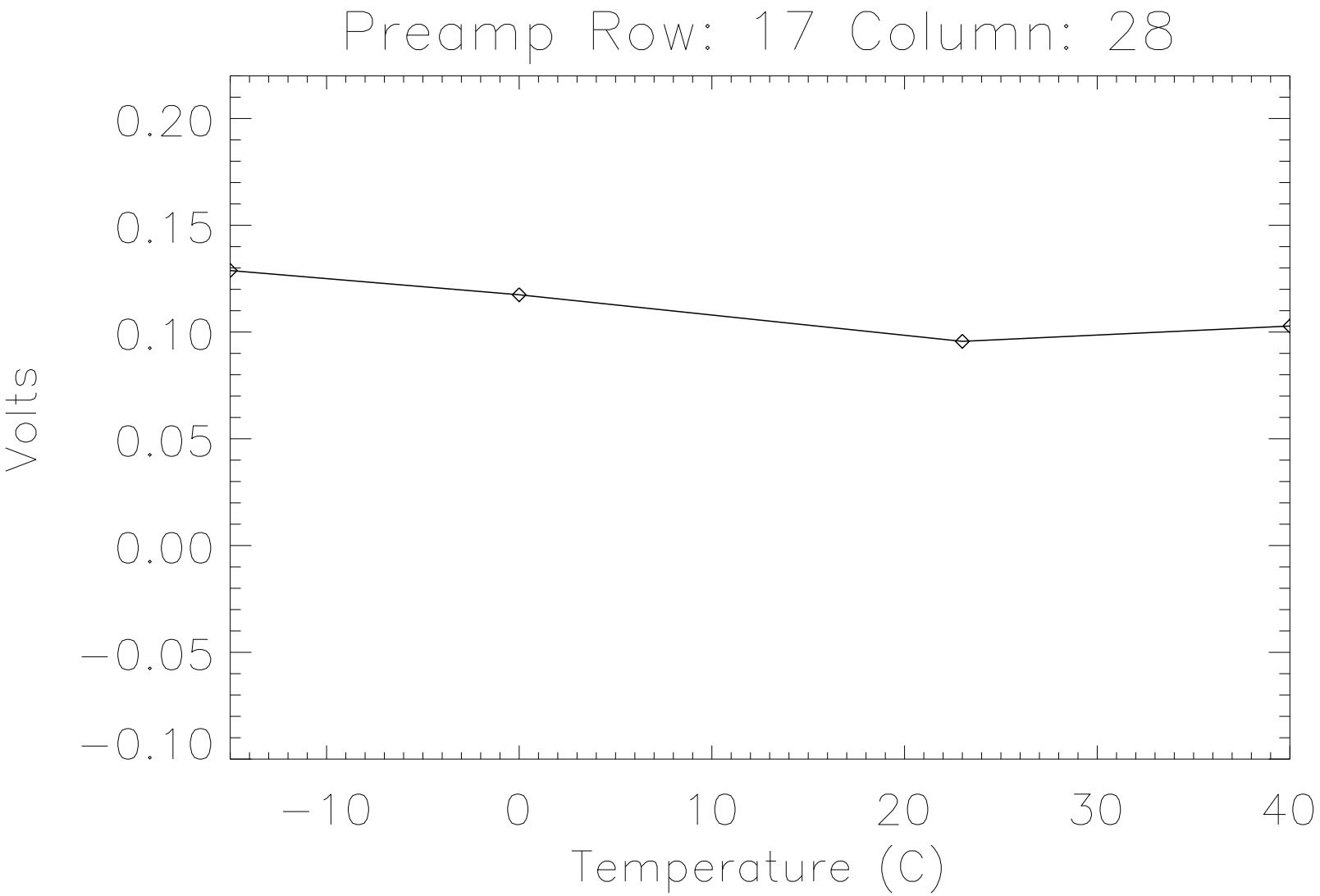

Shaper Row: 17 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

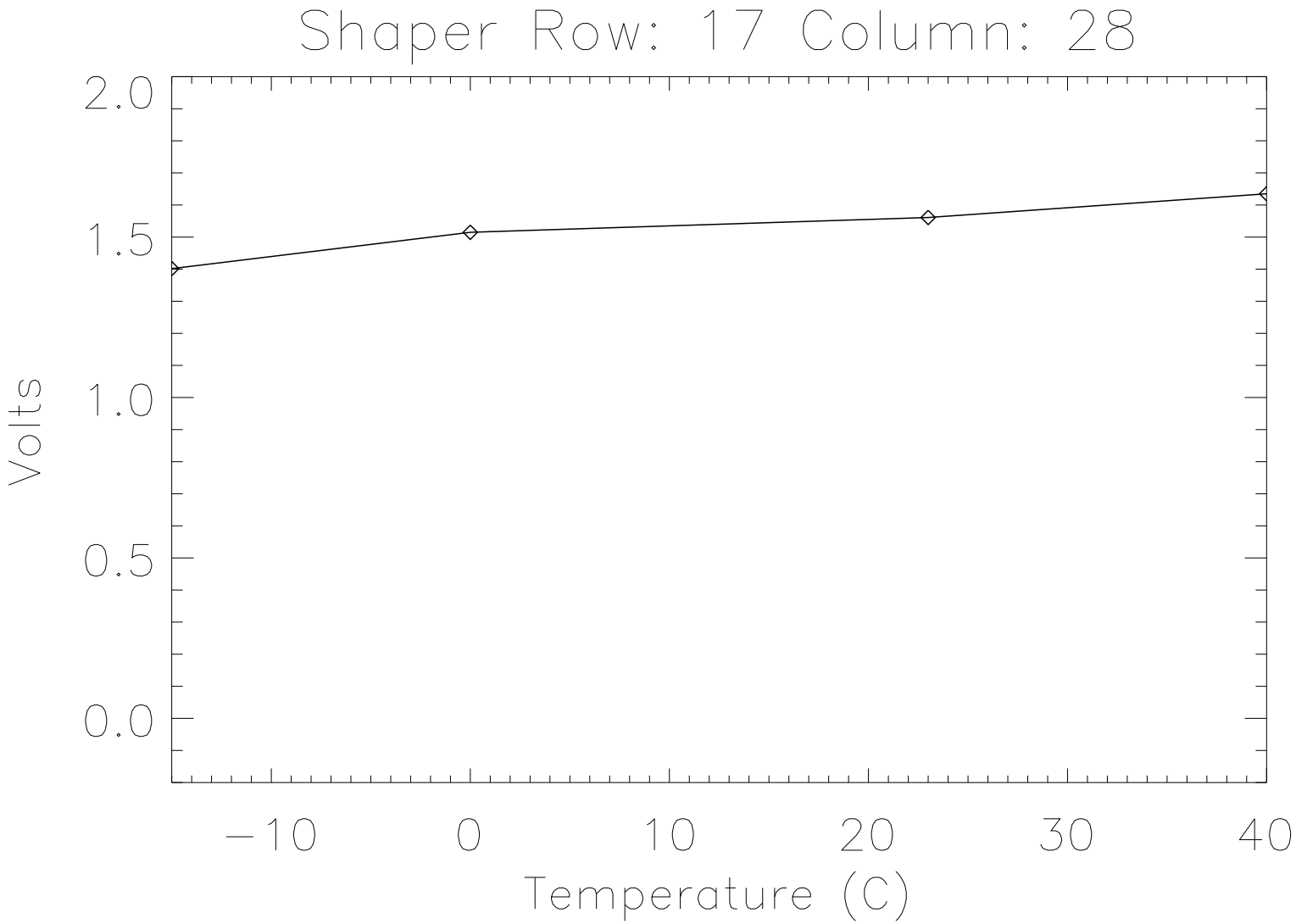

Leakage Row: 17 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

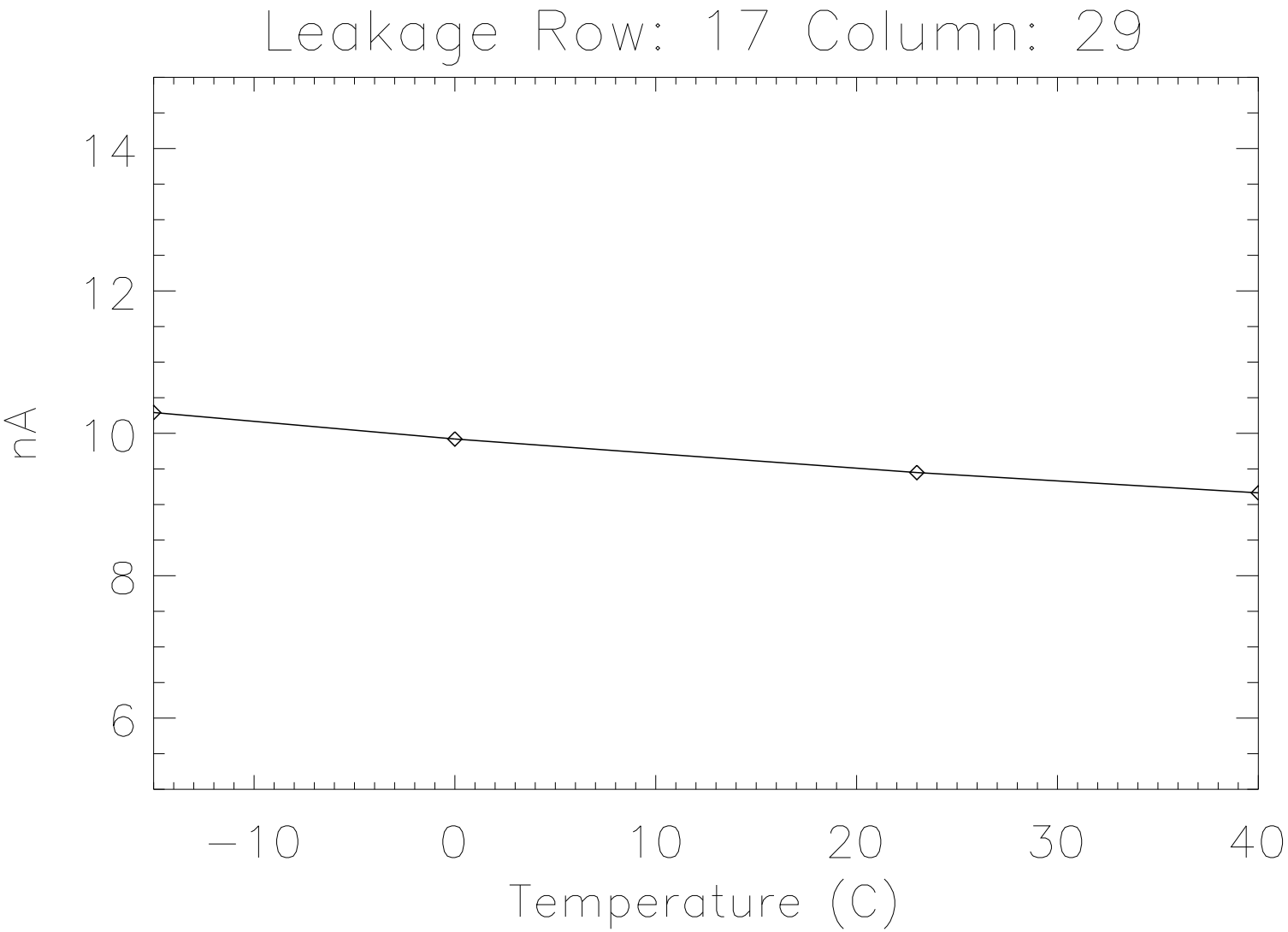

Preamp Row: 17 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 17 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 17 Column: 28
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 17 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 17 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 17 Column: 29
nA
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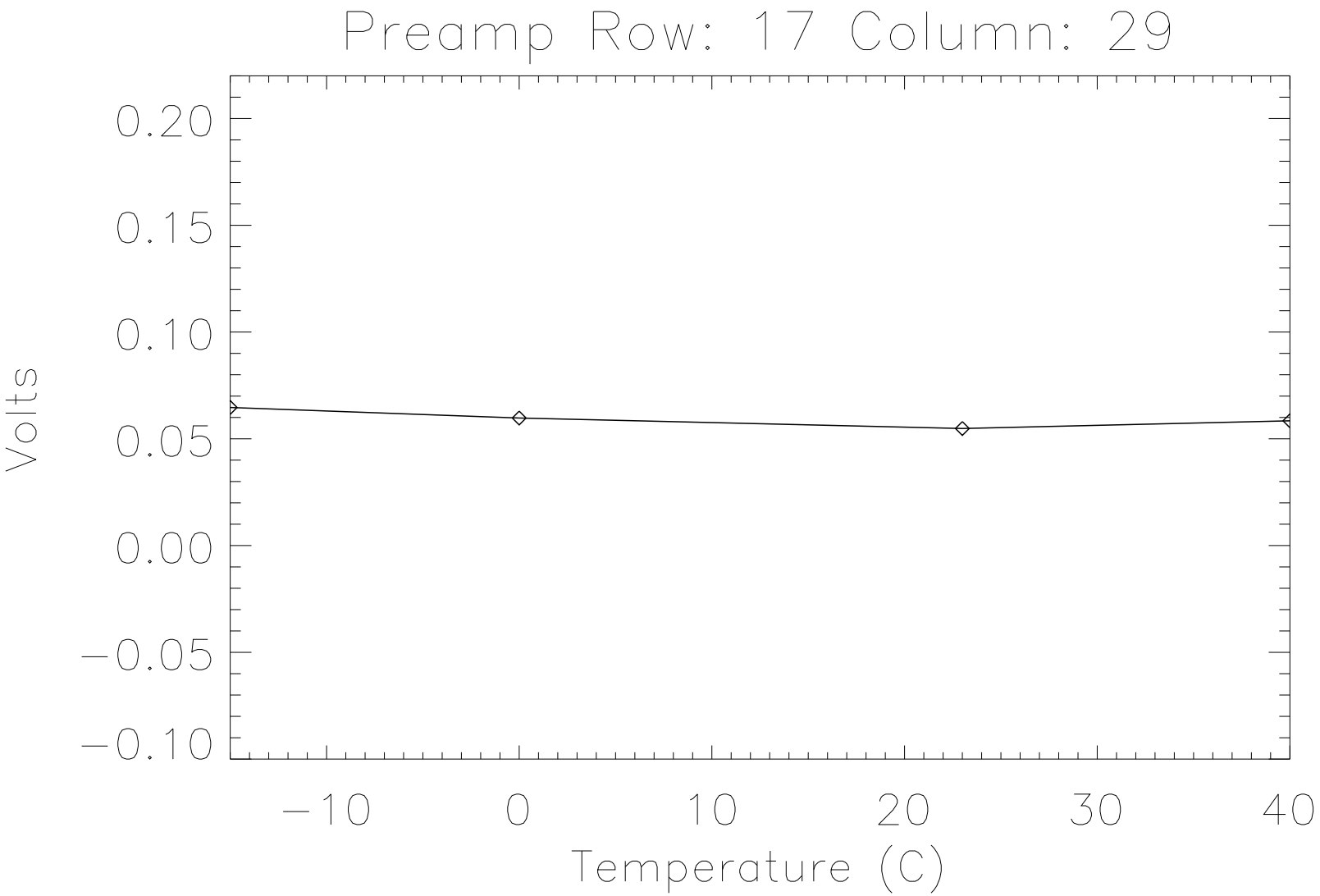
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 17 Column: 29
0.20
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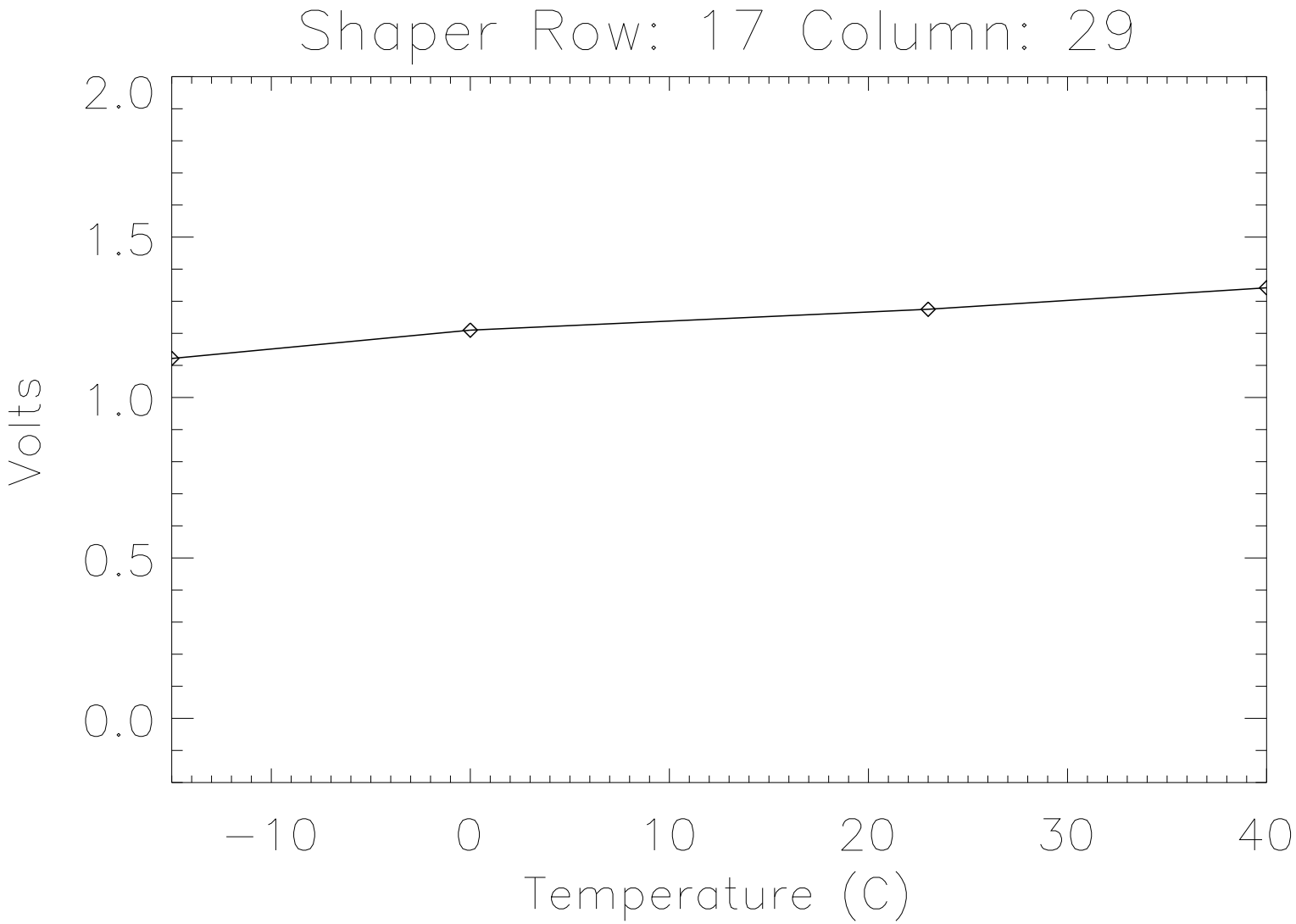
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 17 Column: 29
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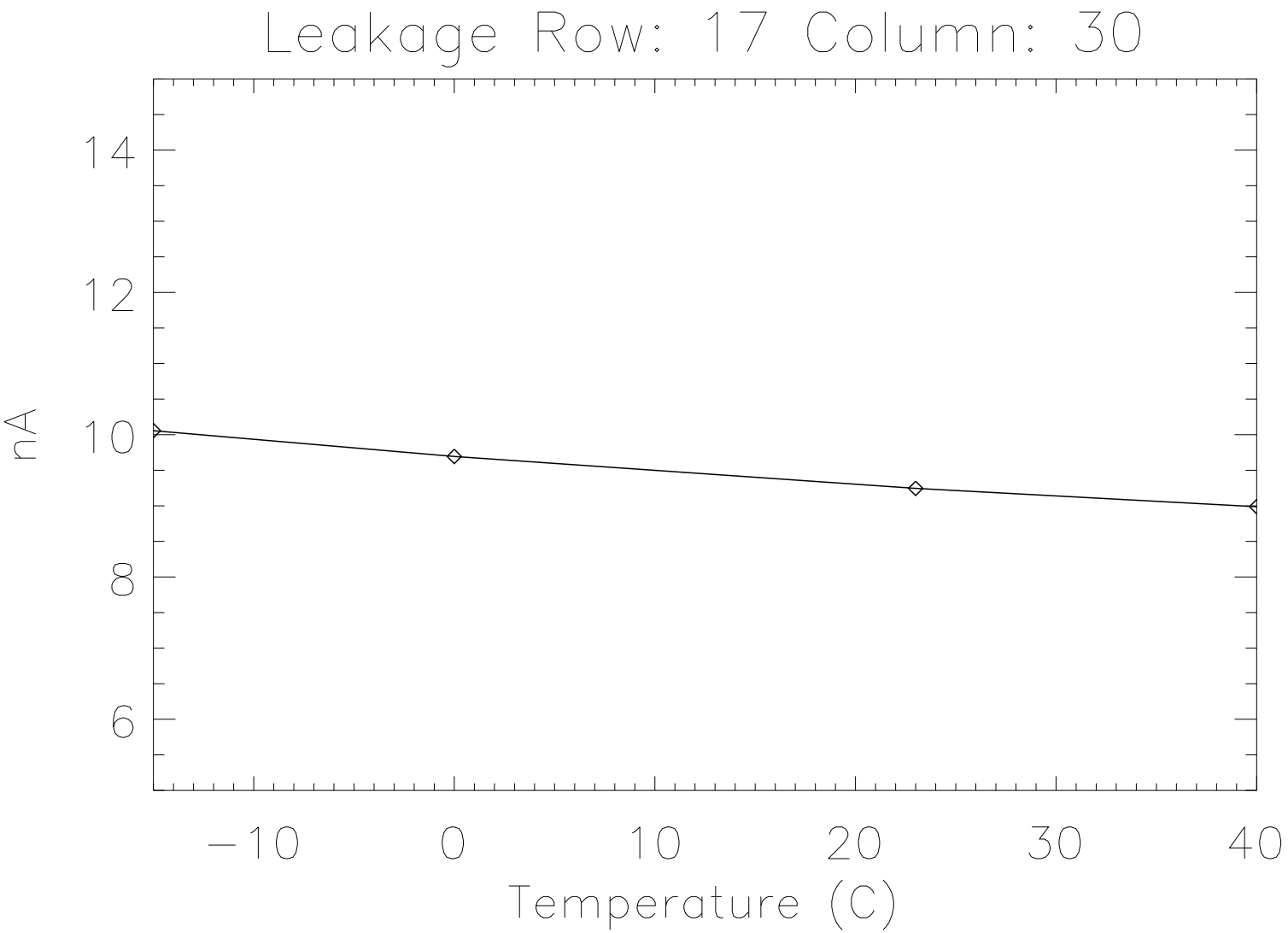
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 17 Column: 30
nA
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12
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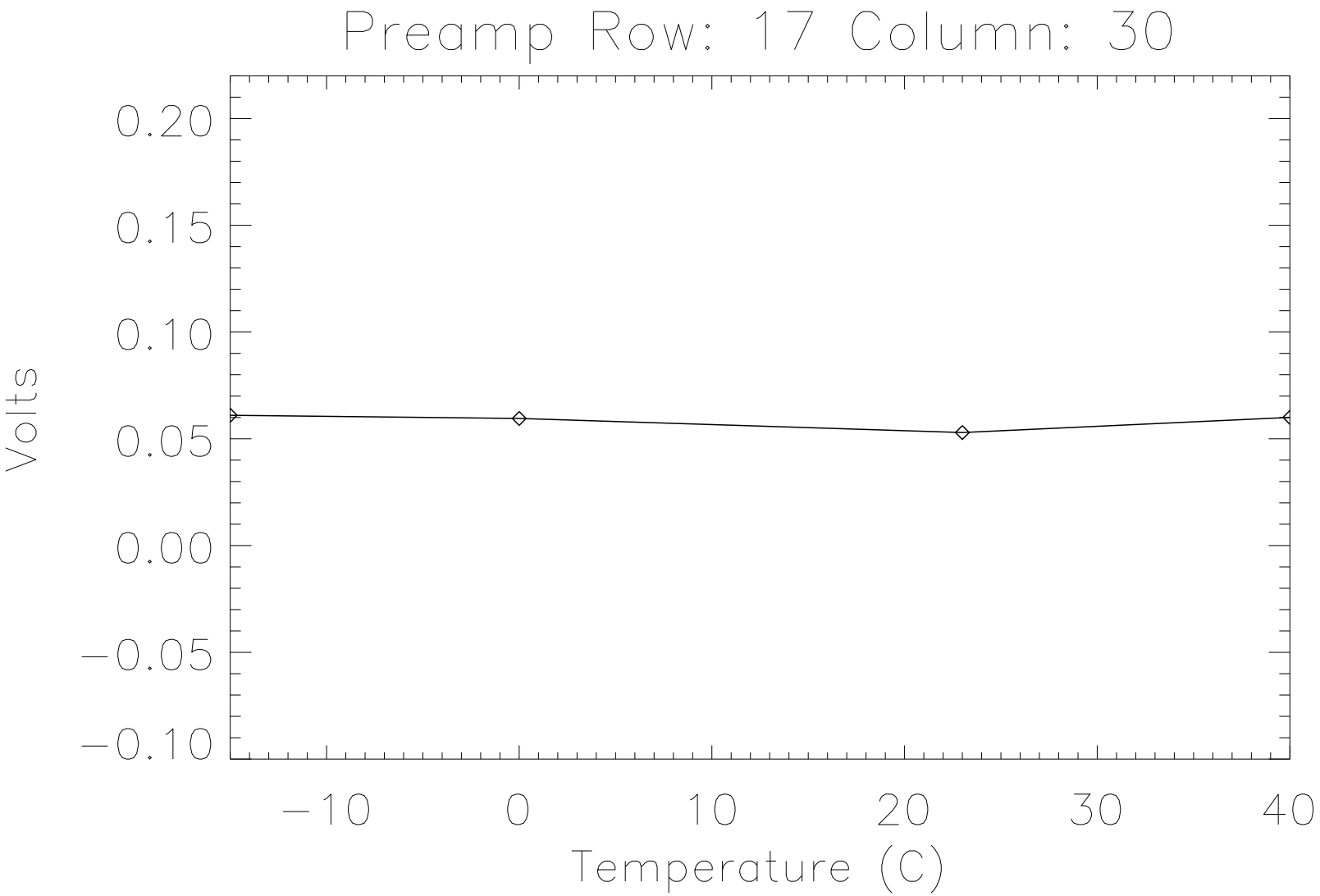
8
6
−10
0
10
20
30
40
Temperature (C)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Volts
−10
0
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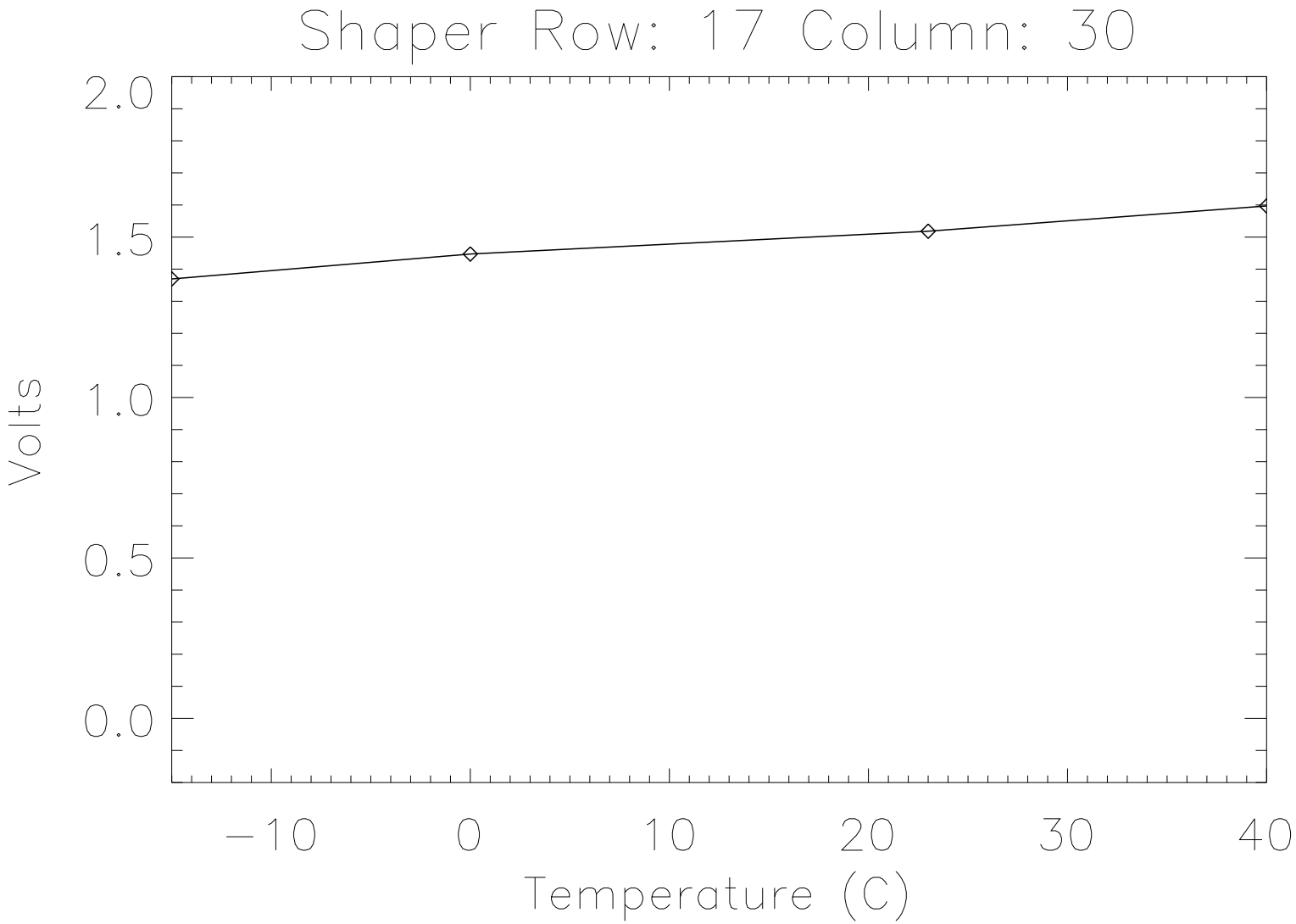
30
40
Temperature (C)


Shaper Row: 17 Column: 30
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1.5
1.0
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0.0
Volts
−10
0
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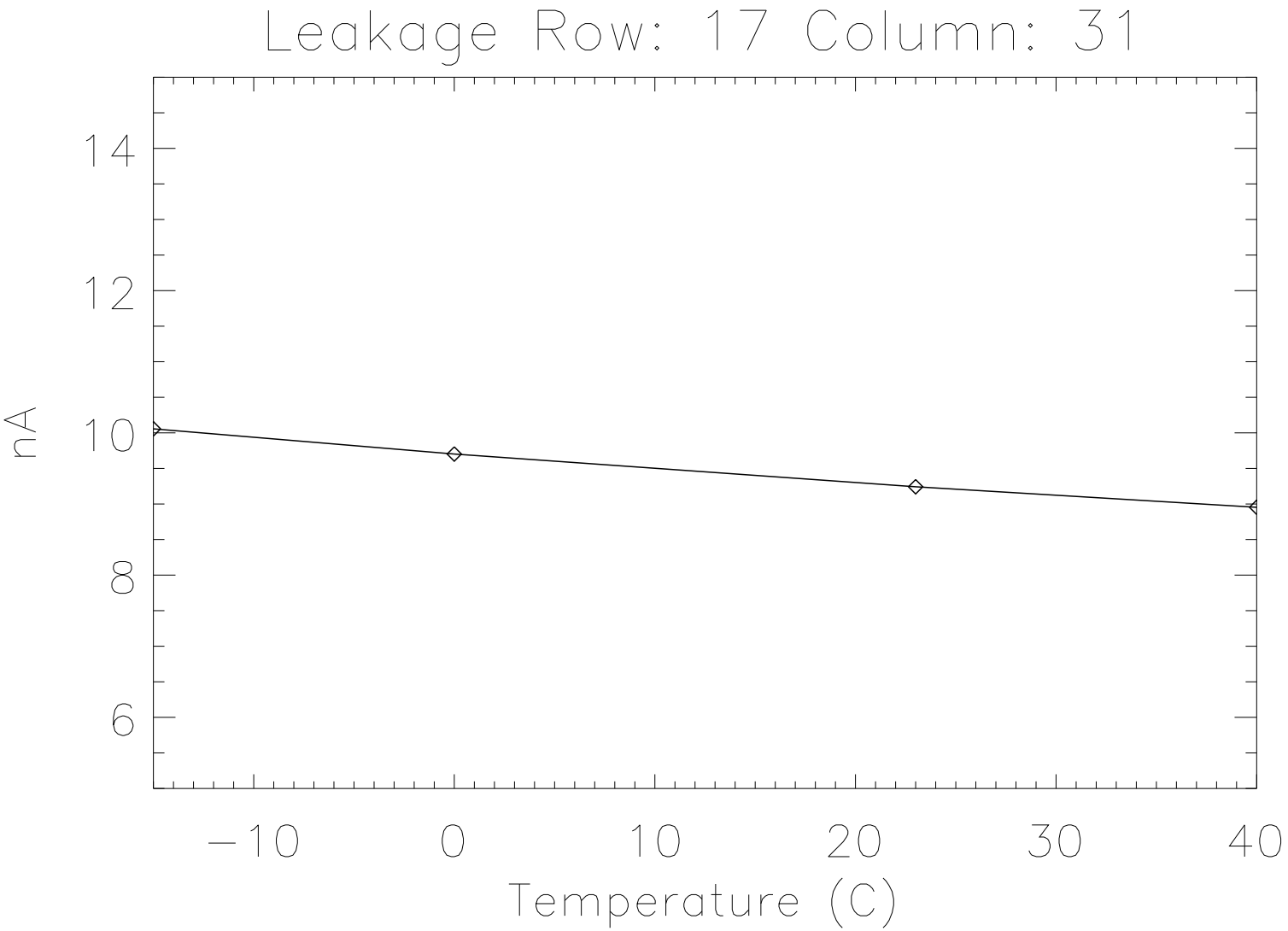
20
30
40
Temperature (C)


Leakage Row: 17 Column: 31
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8
6
−10
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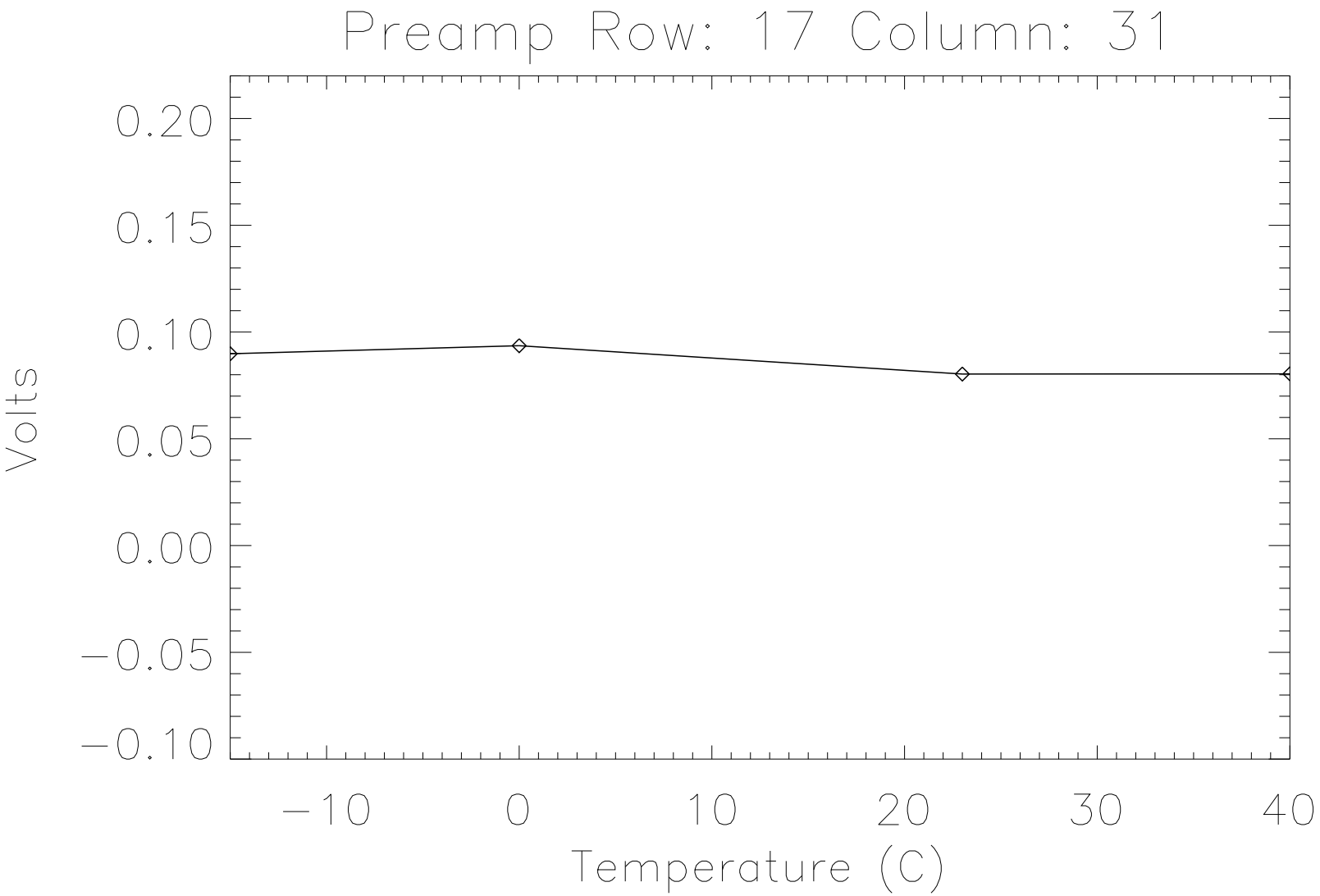
10
20
30
40
Temperature (C)


Preamp Row: 17 Column: 31
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Volts
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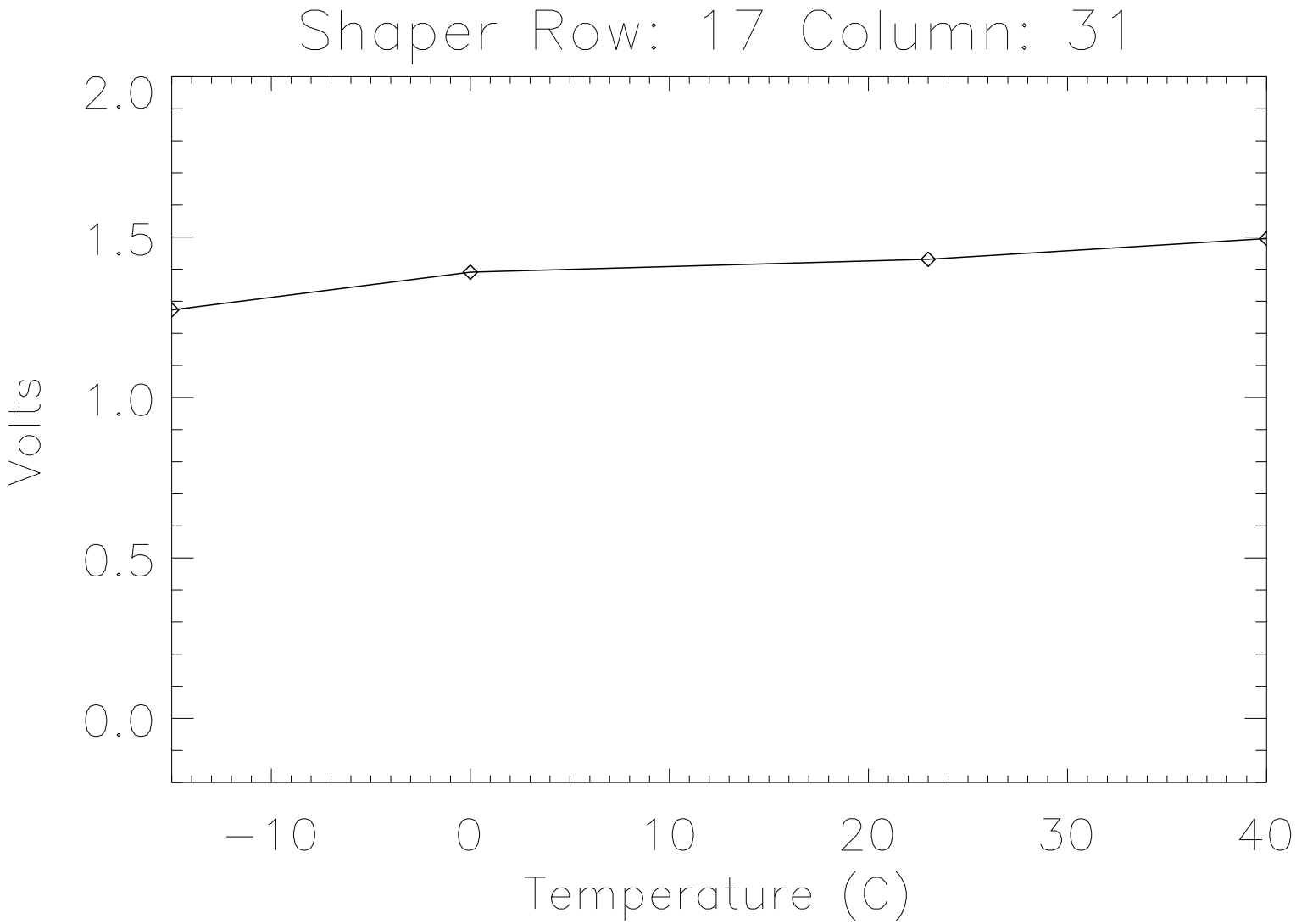
30
40
Temperature (C)


Shaper Row: 17 Column: 31
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1.0
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0.0
Volts
−10
0
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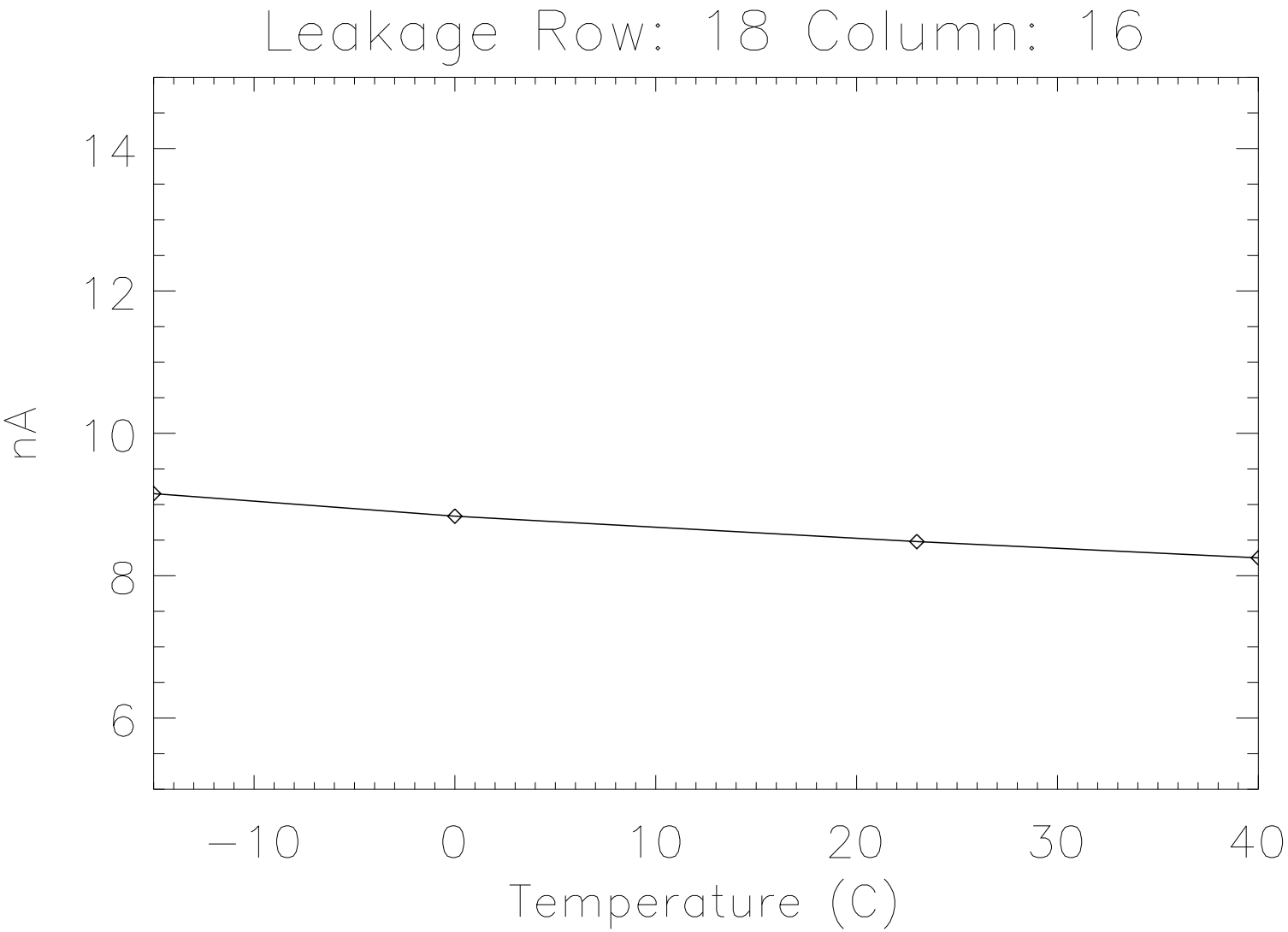
20
30
40
Temperature (C)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14
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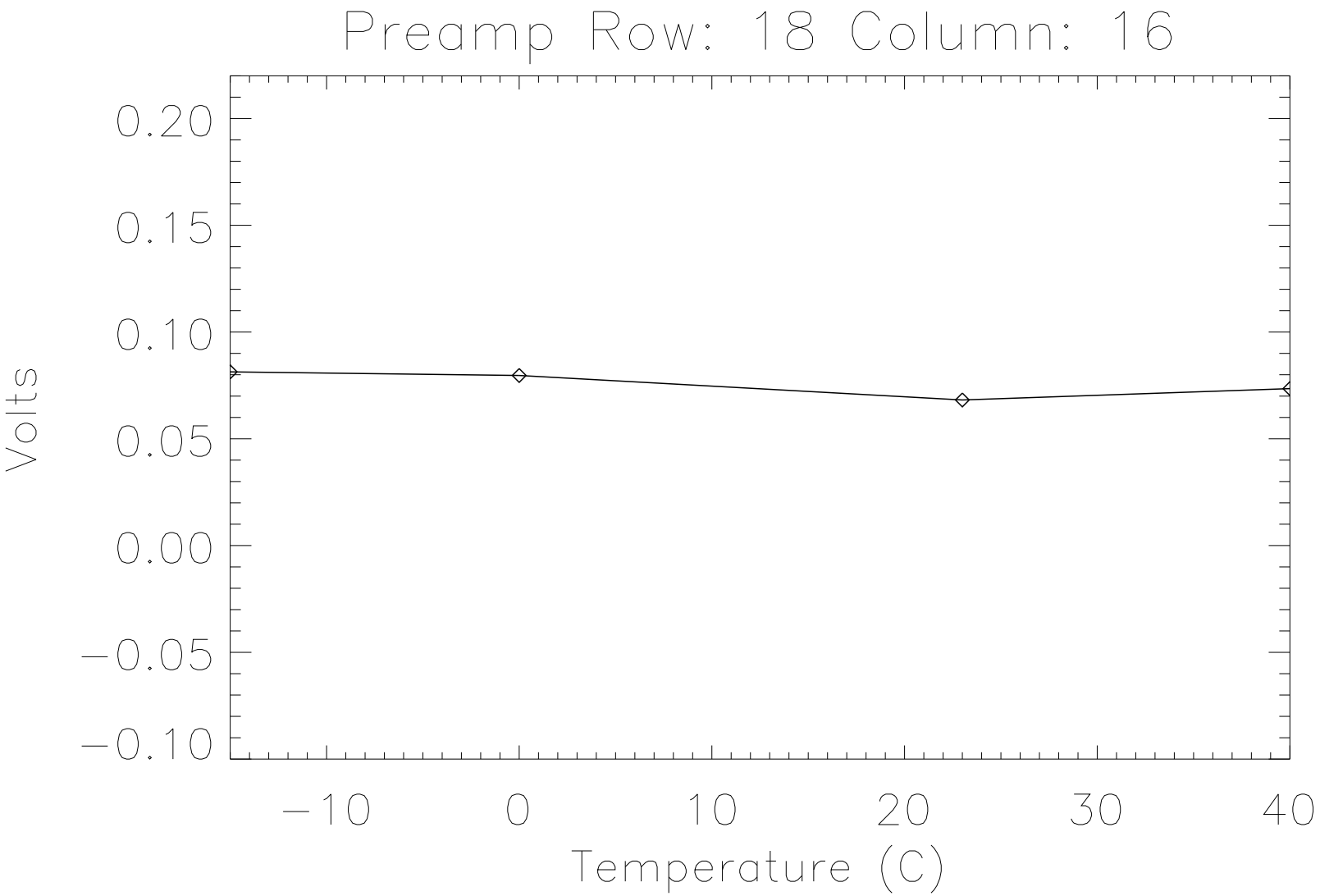
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 16
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0.10
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−0.05
−0.10
Volts
−10
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30
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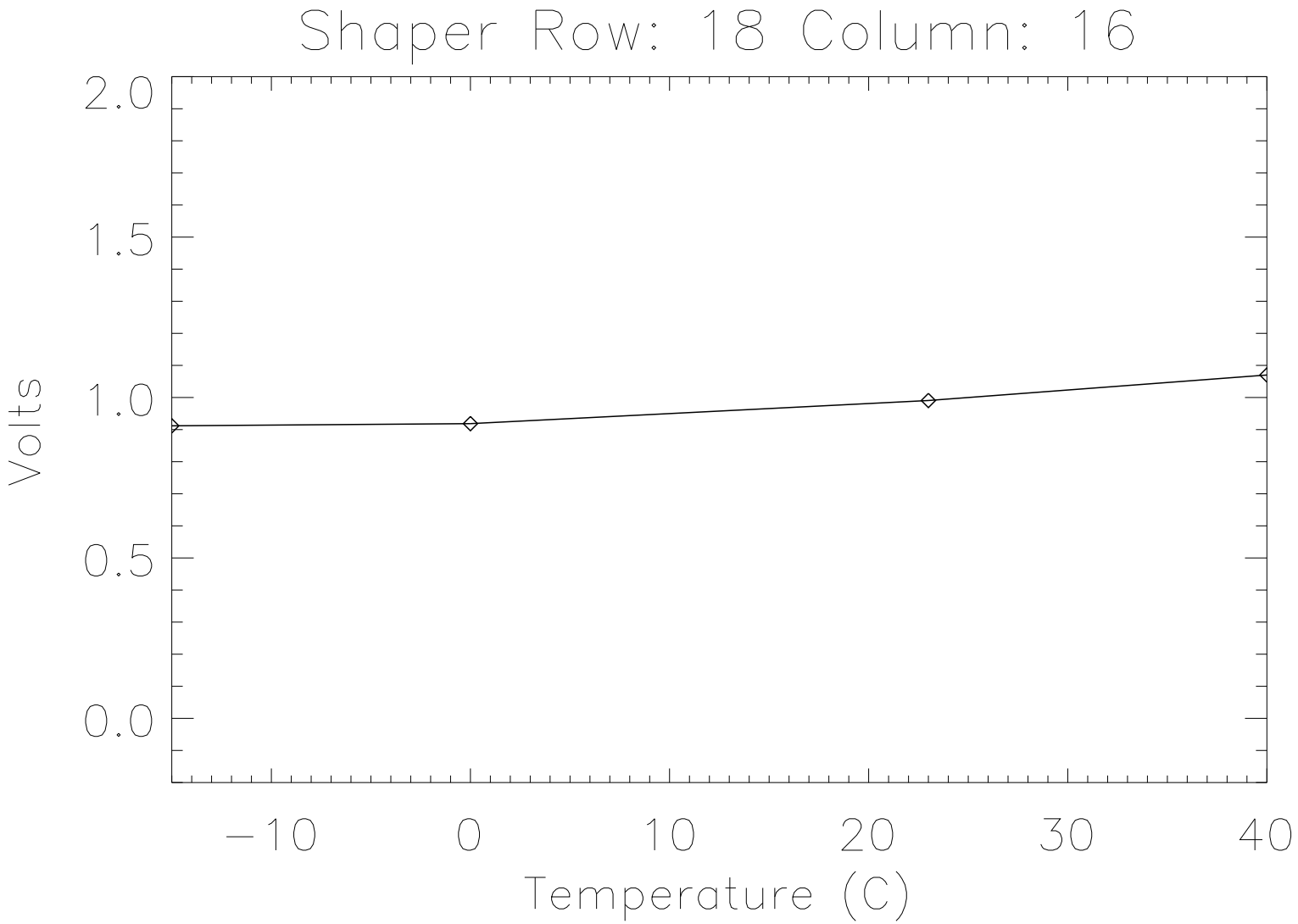
Temperature (C)


Shaper Row: 18 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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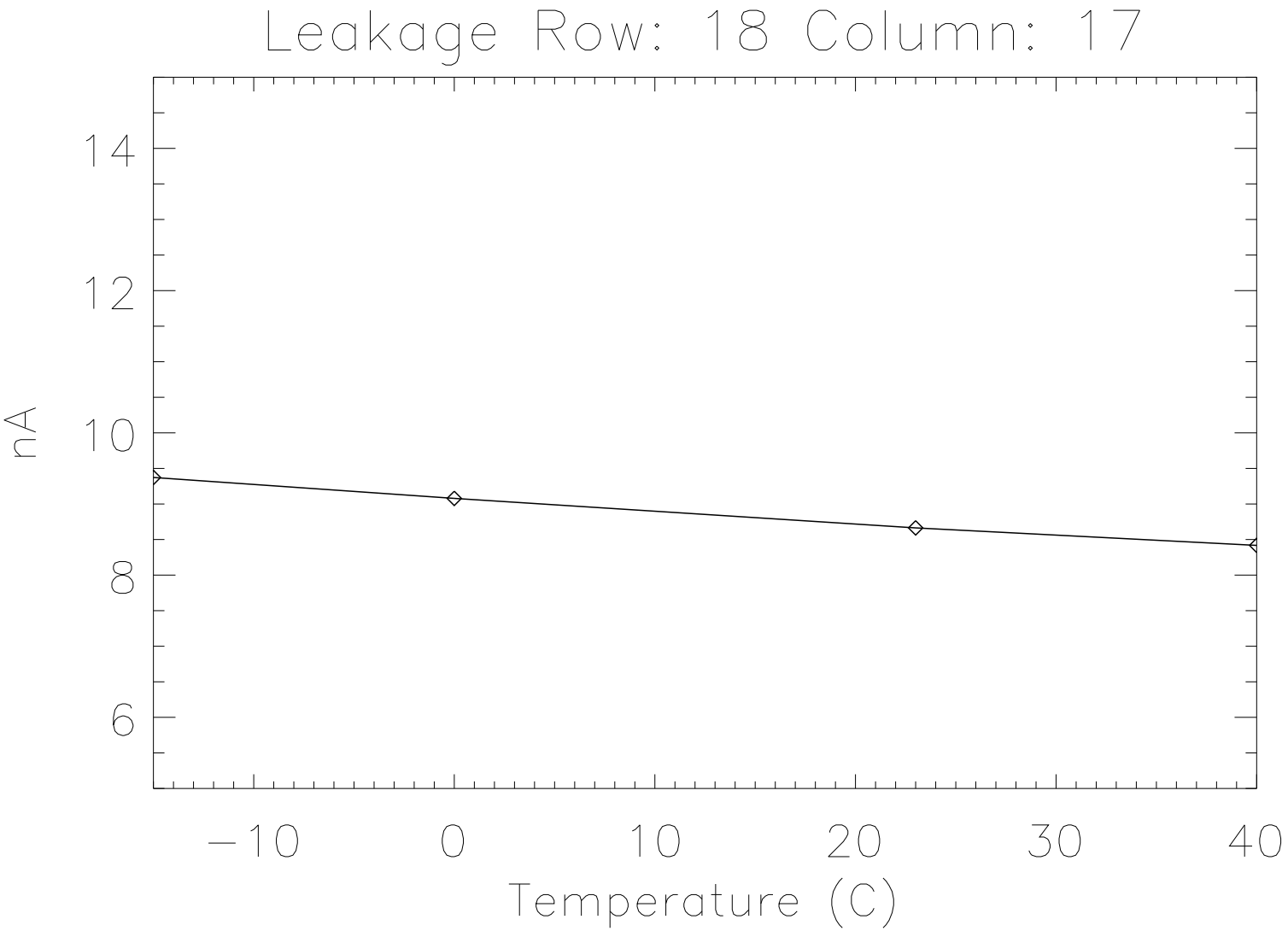
20
30
40
Temperature (C)


Leakage Row: 18 Column: 17
nA
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12
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8
6
−10
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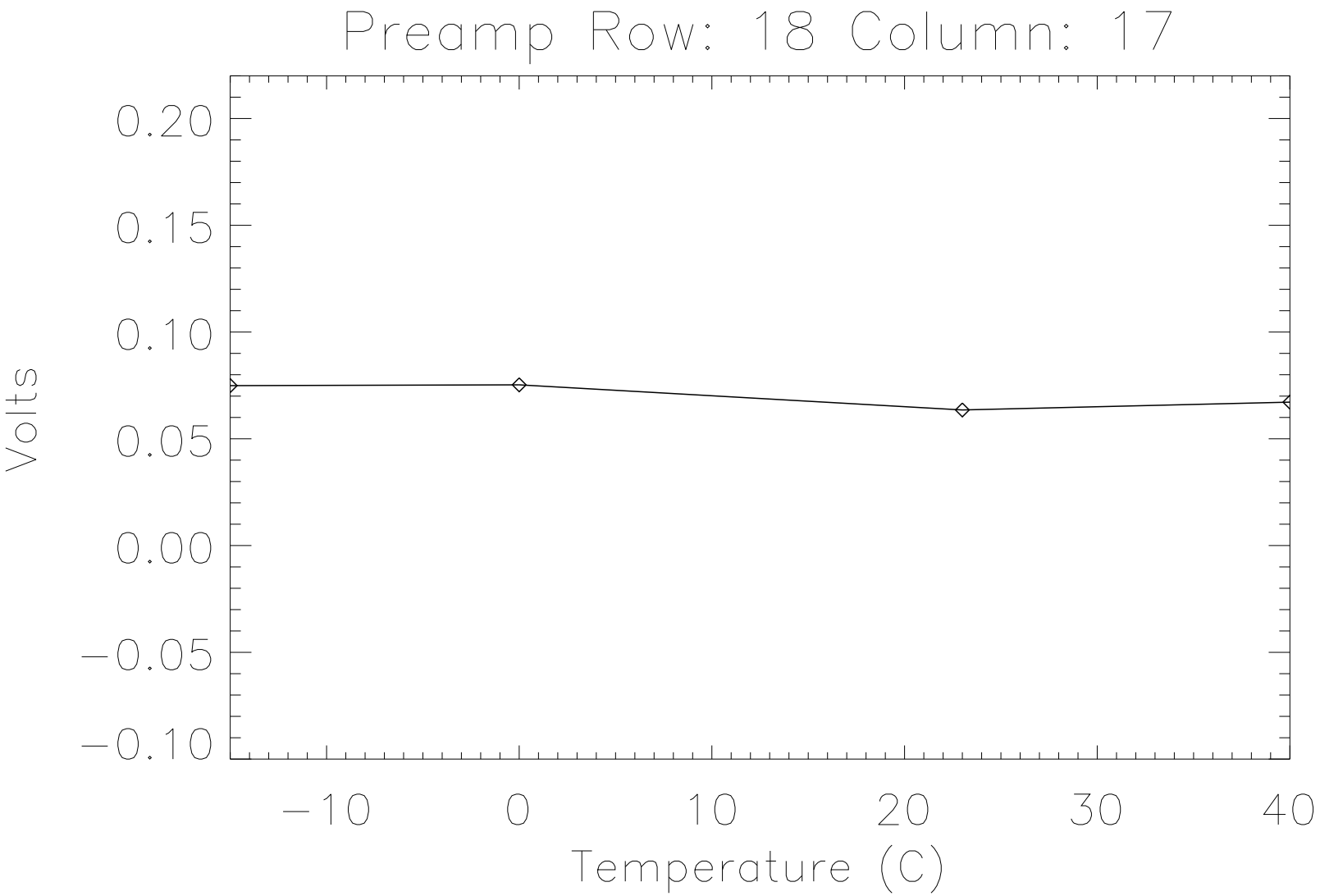
30
40
Temperature (C)


Preamp Row: 18 Column: 17
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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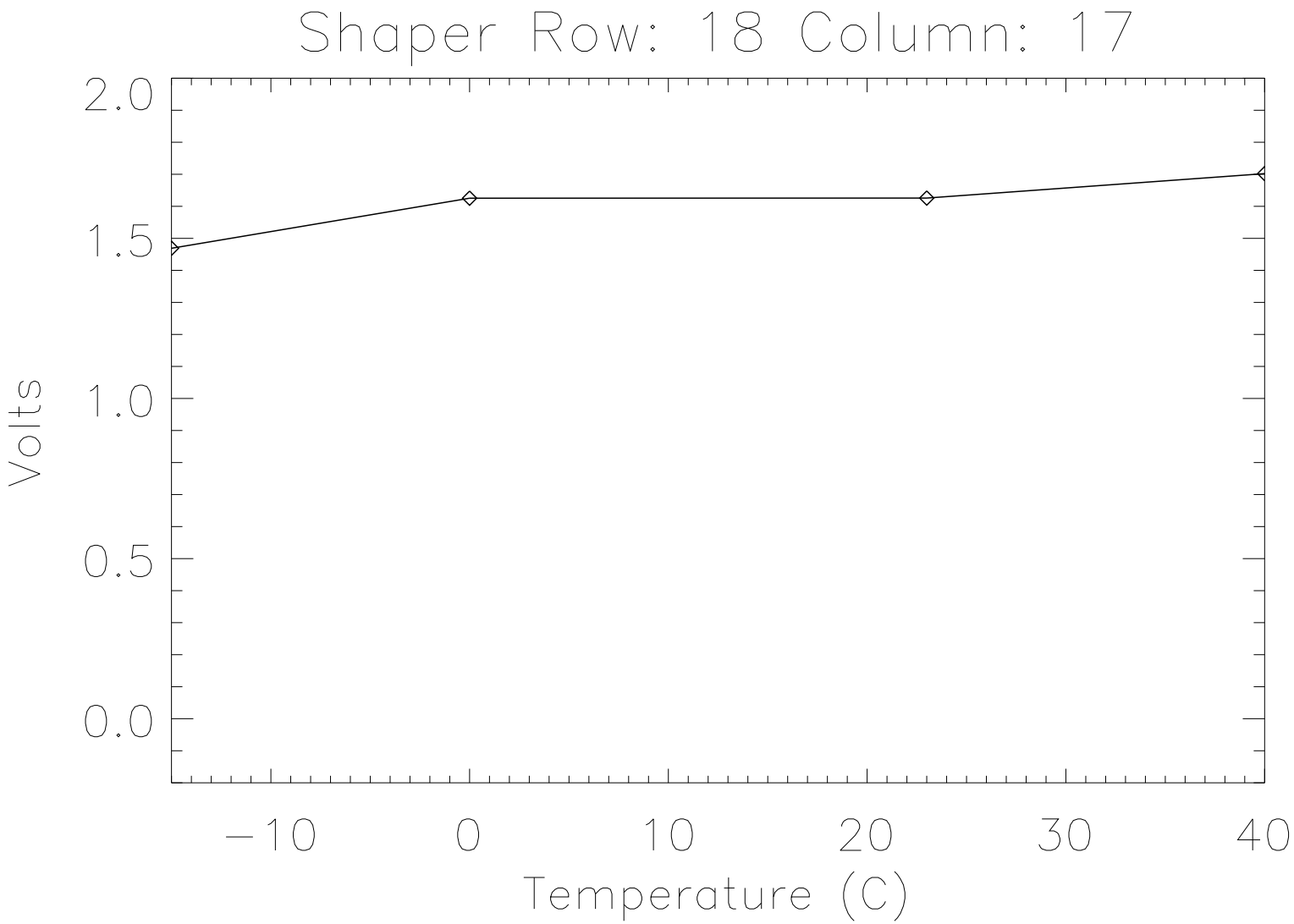
30
40
Temperature (C)


Shaper Row: 18 Column: 17
2.0
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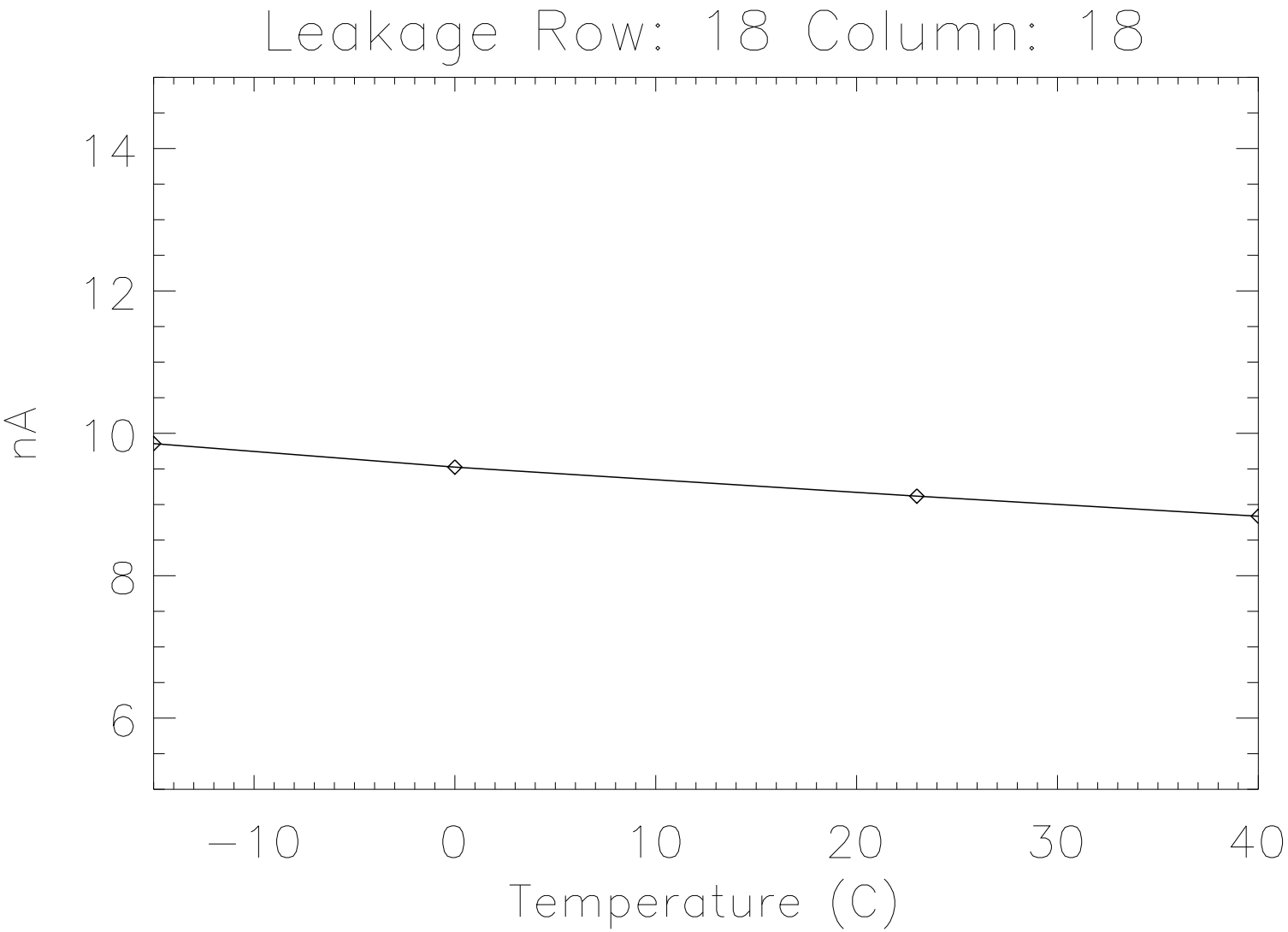
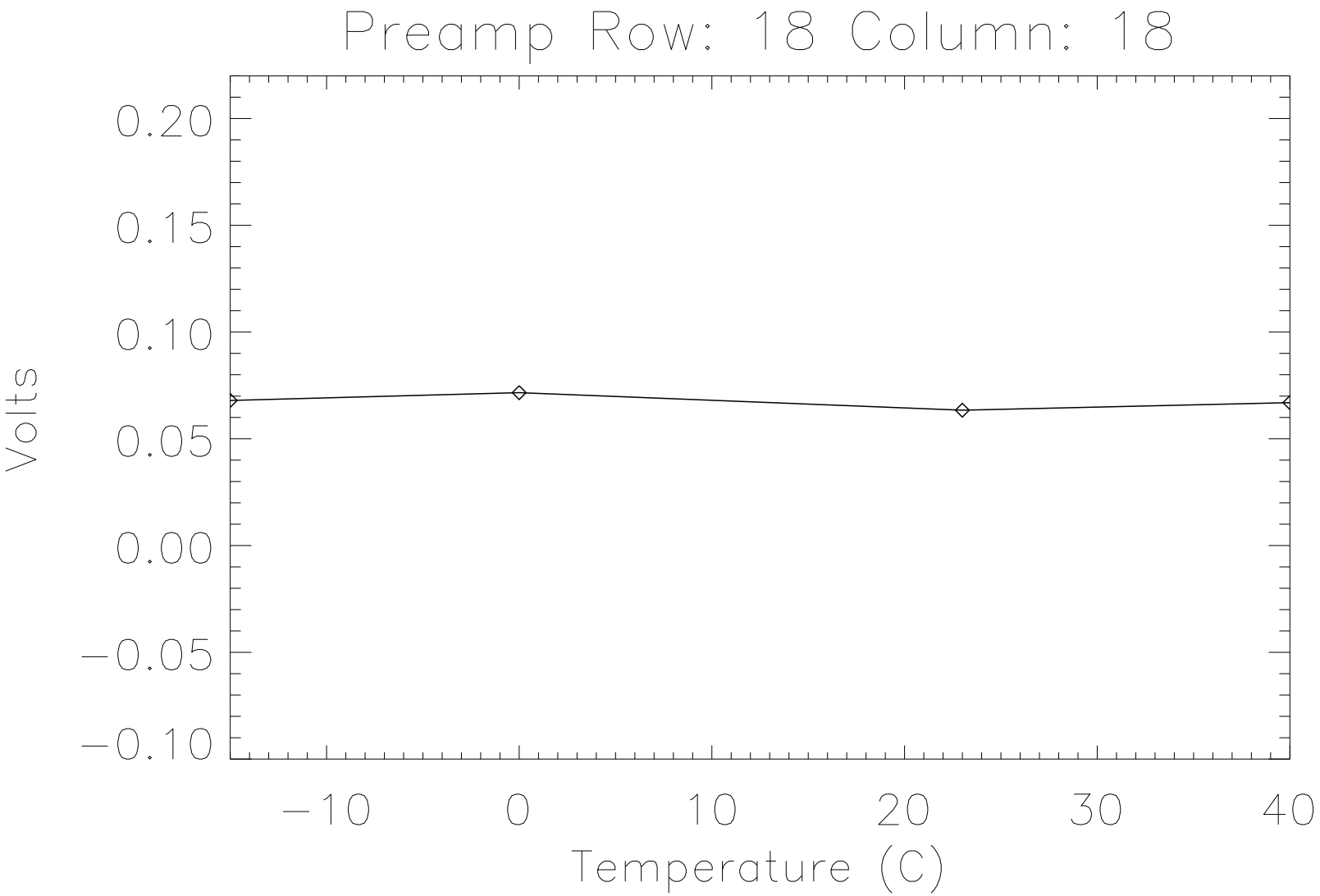
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 18 Column: 18
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 18
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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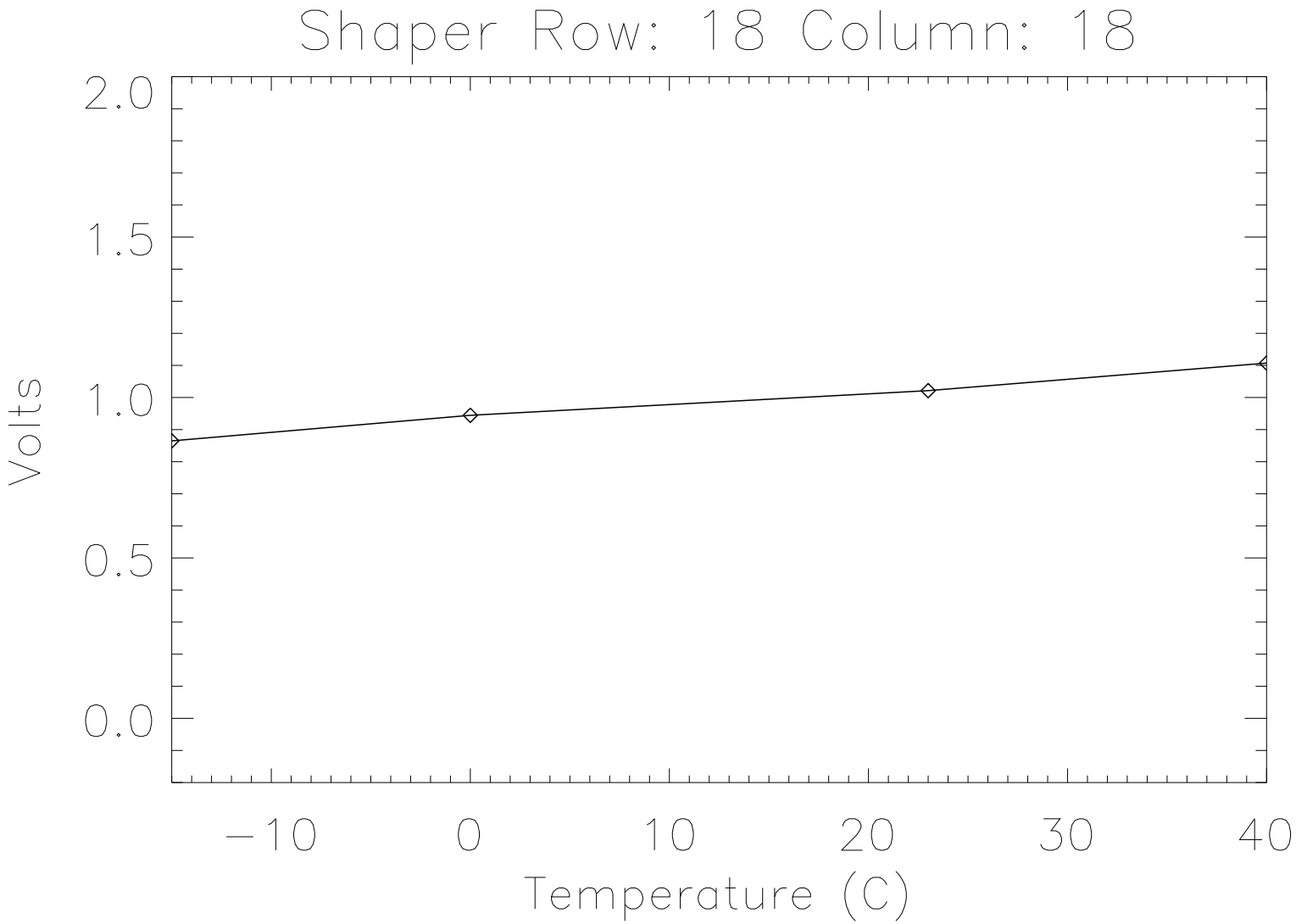
20
30
40
Temperature (C)


Shaper Row: 18 Column: 18
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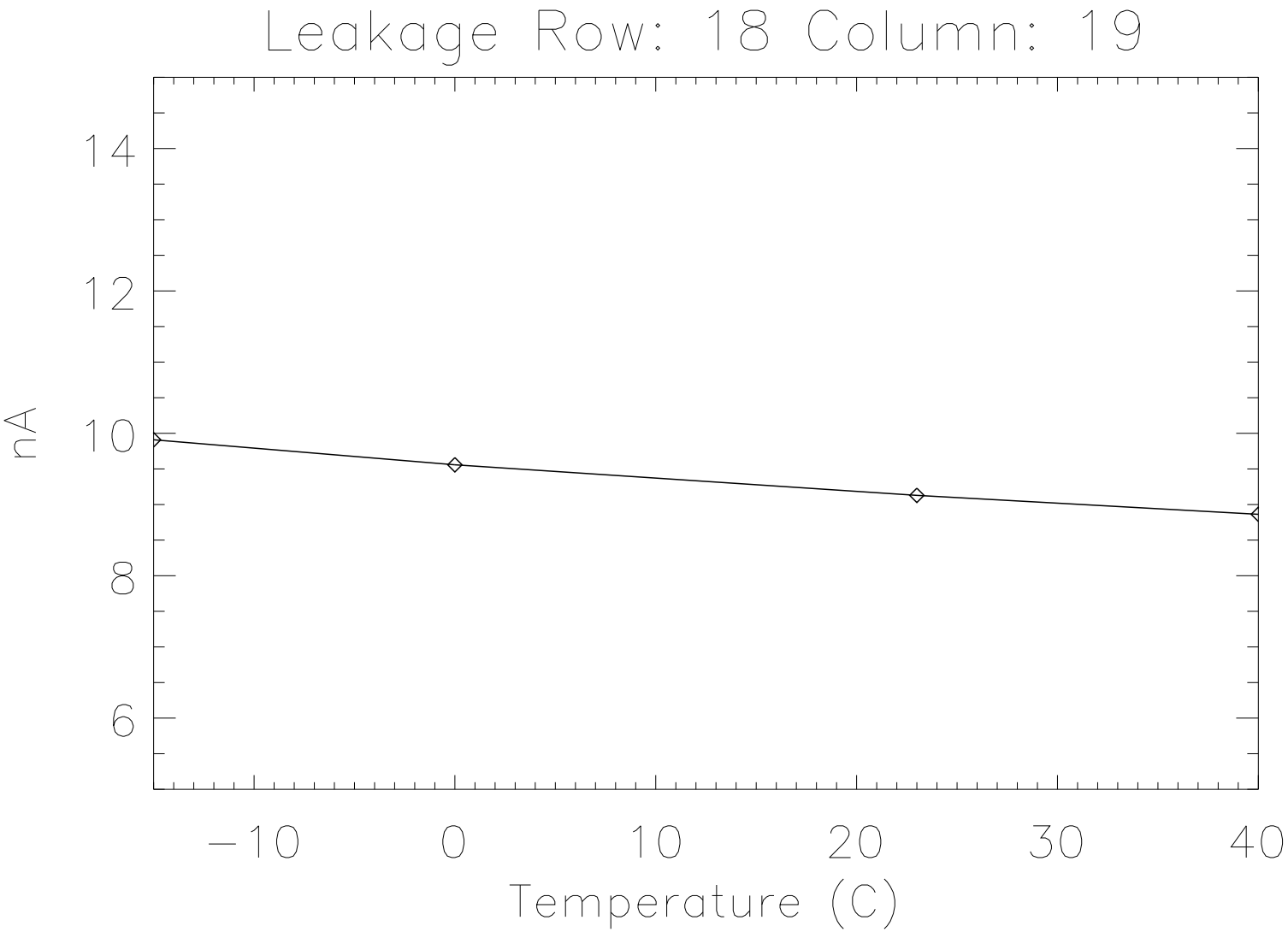
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 18 Column: 19
nA
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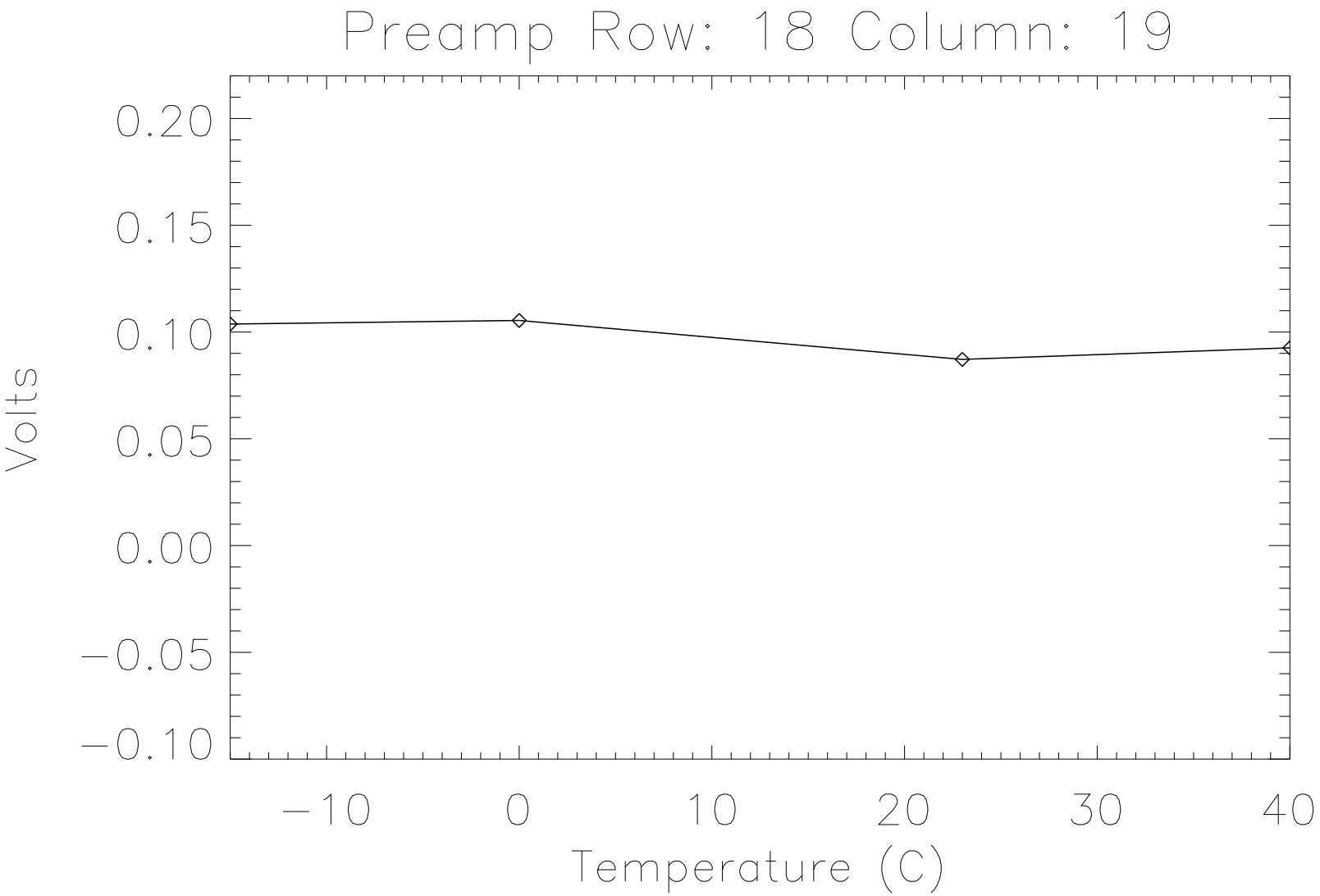
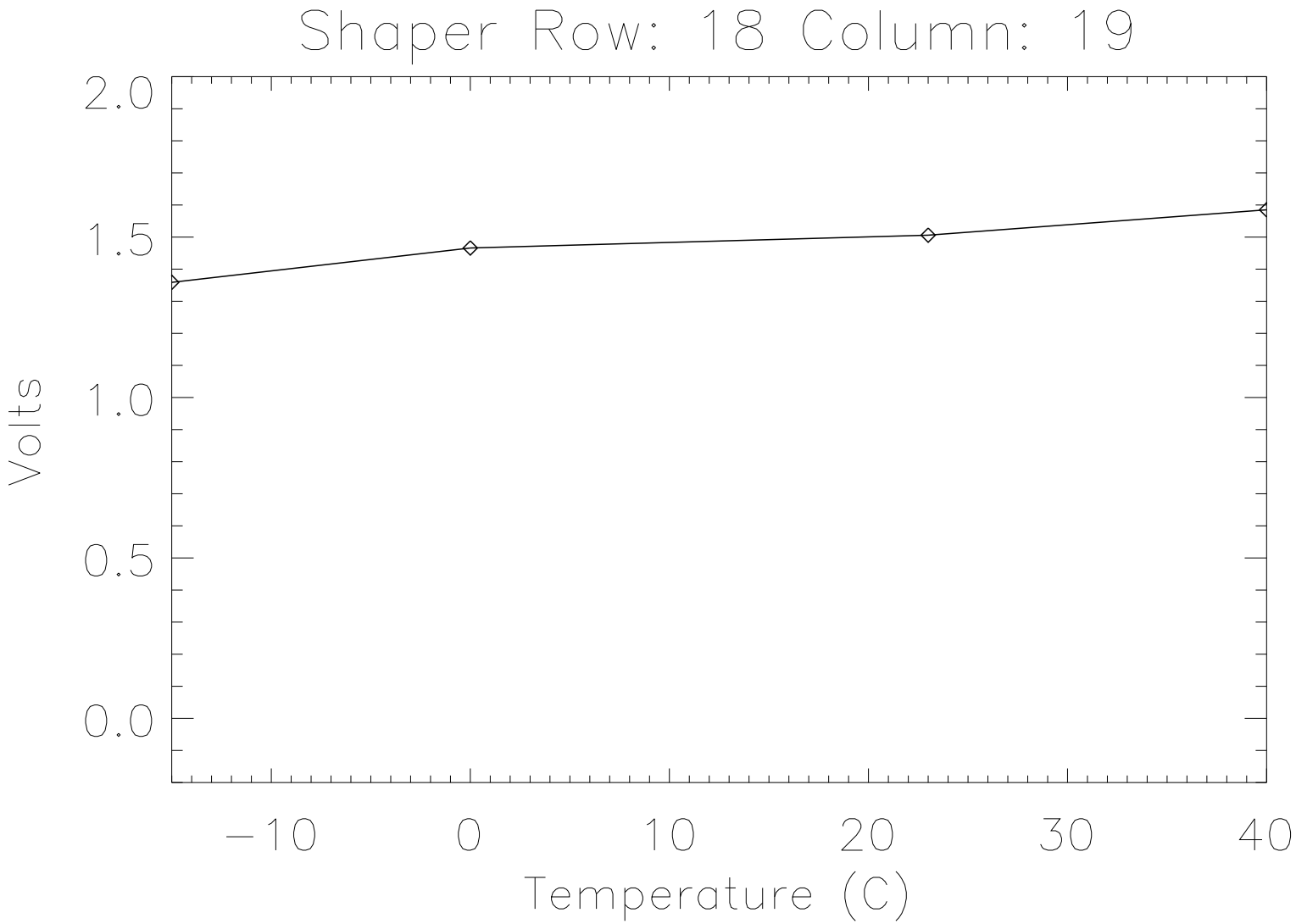
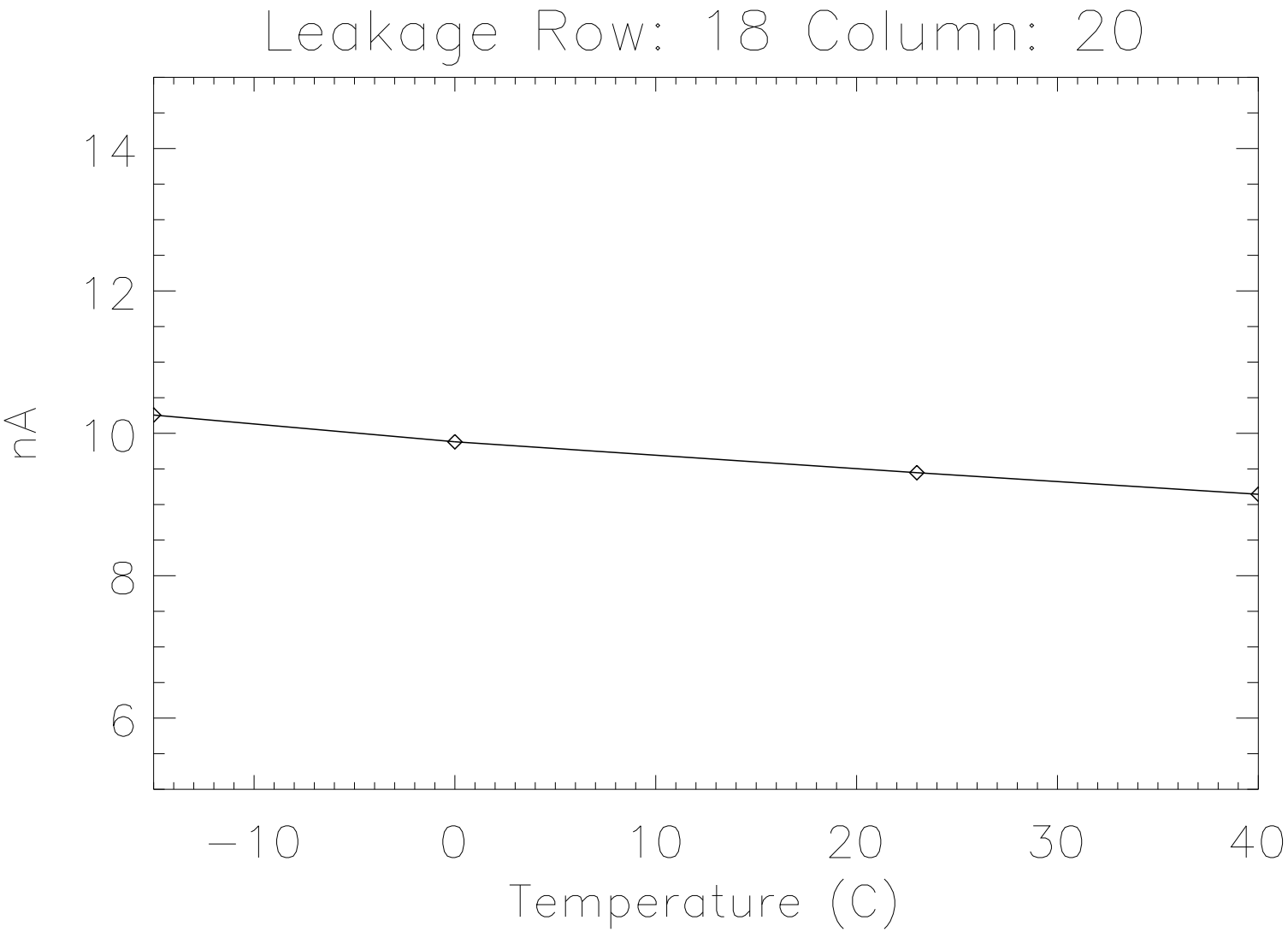
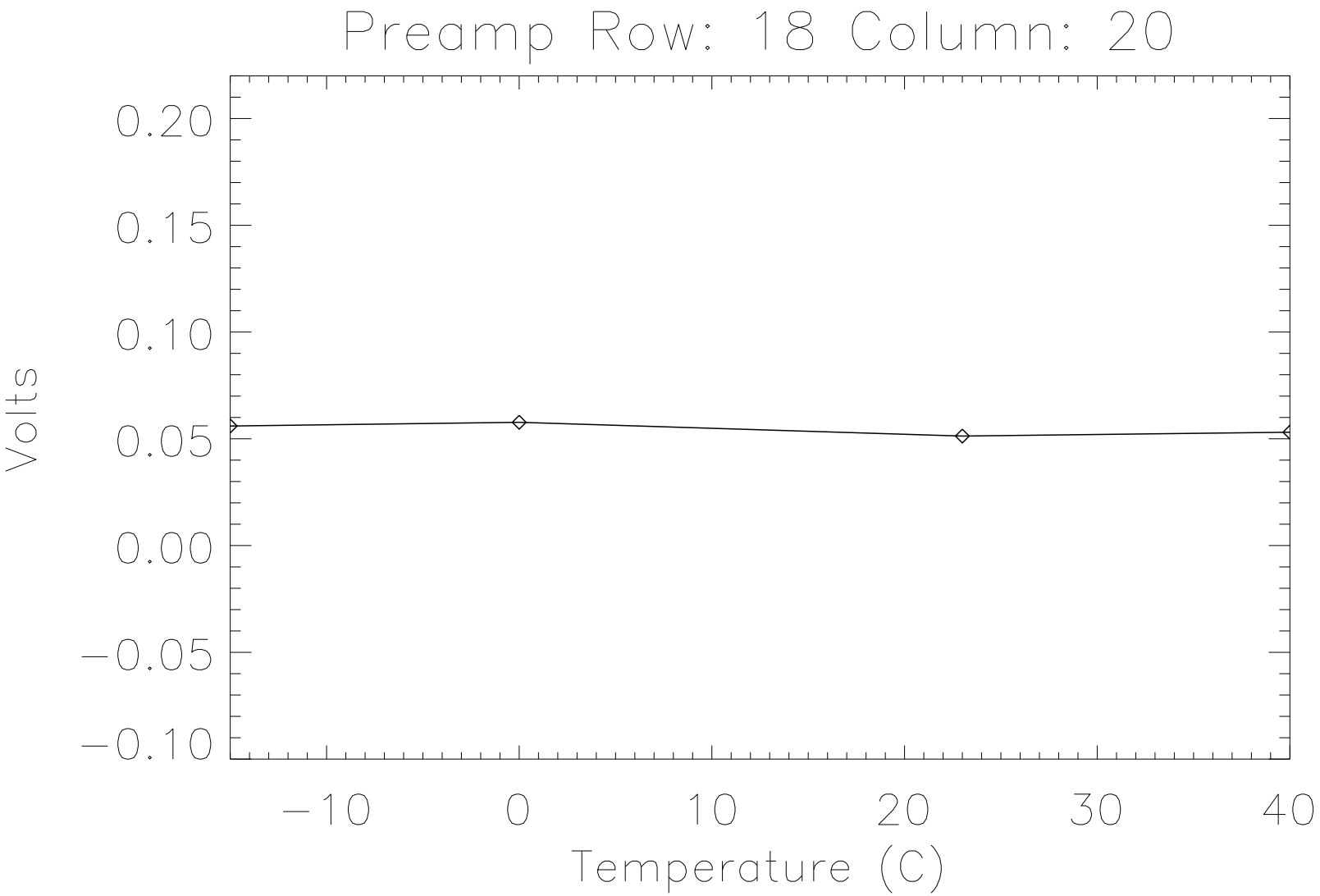
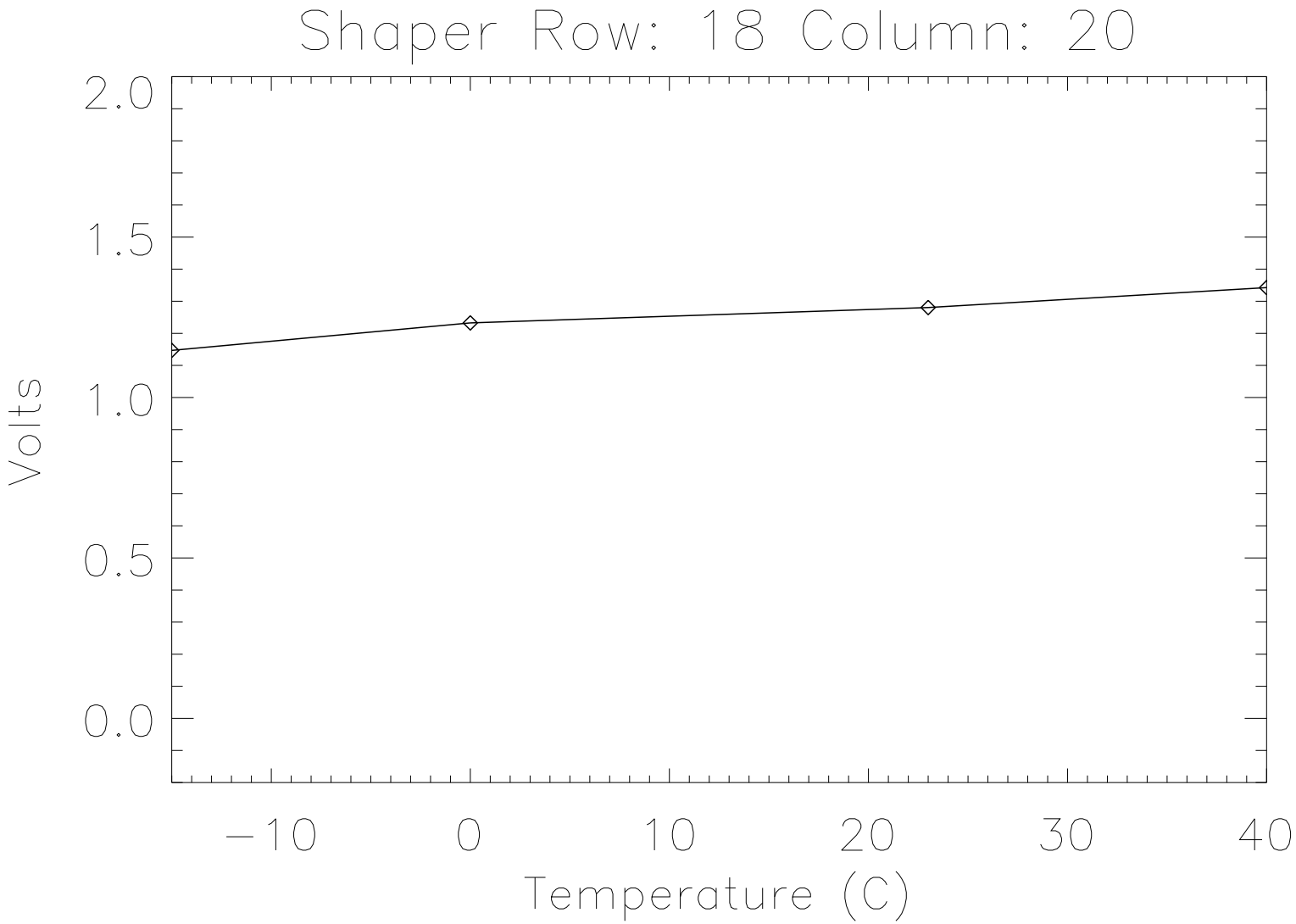
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

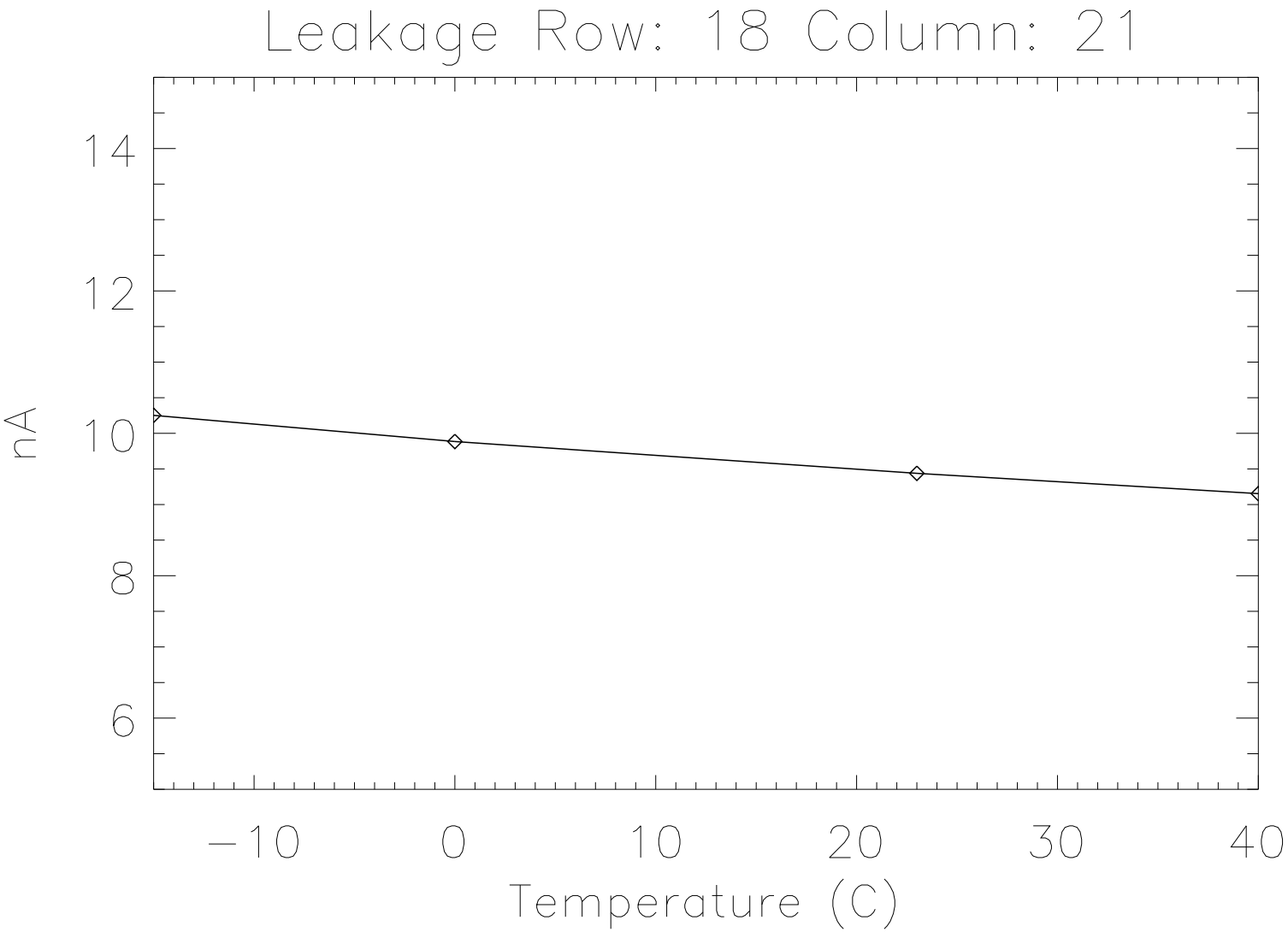

Preamp Row: 18 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

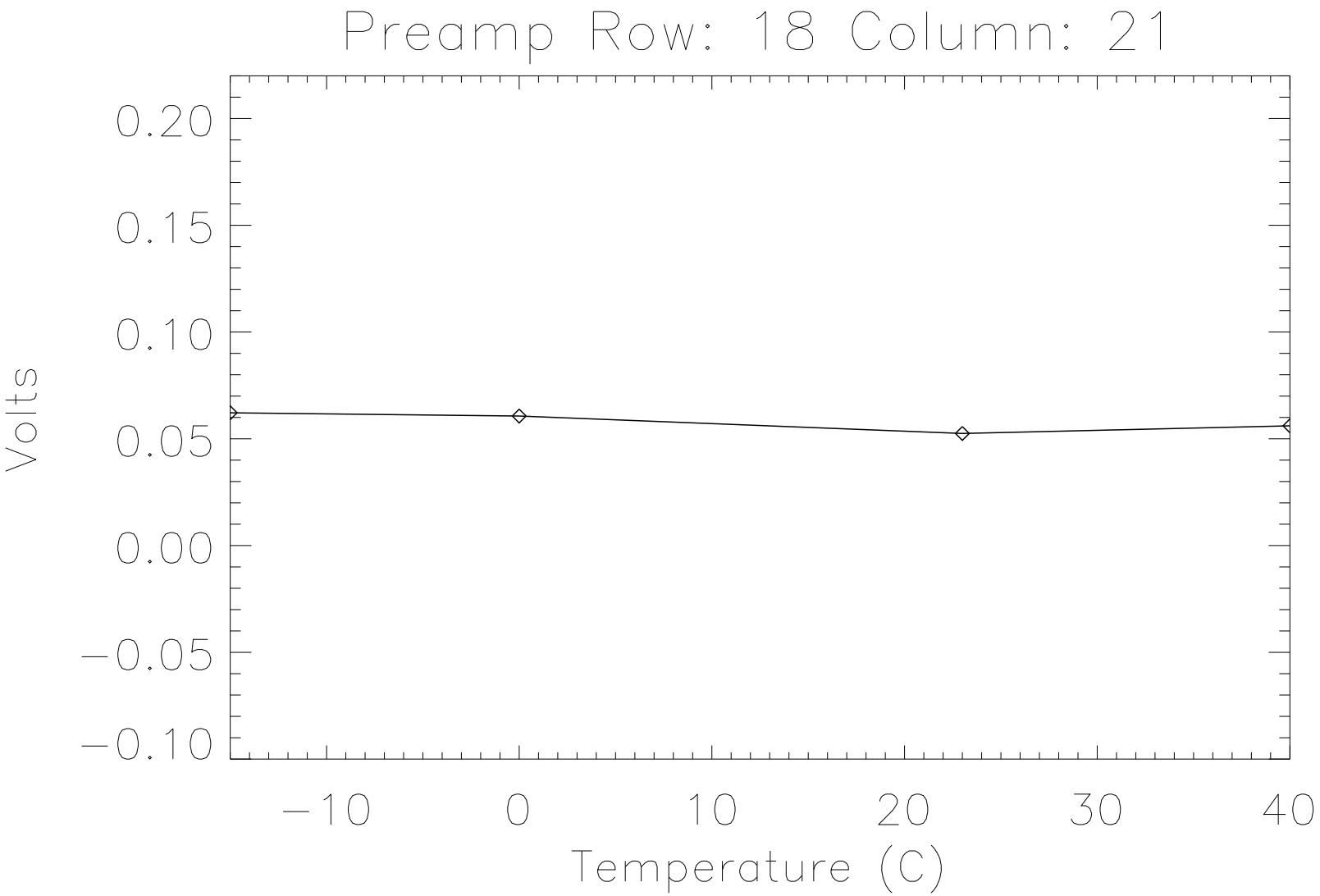

Shaper Row: 18 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

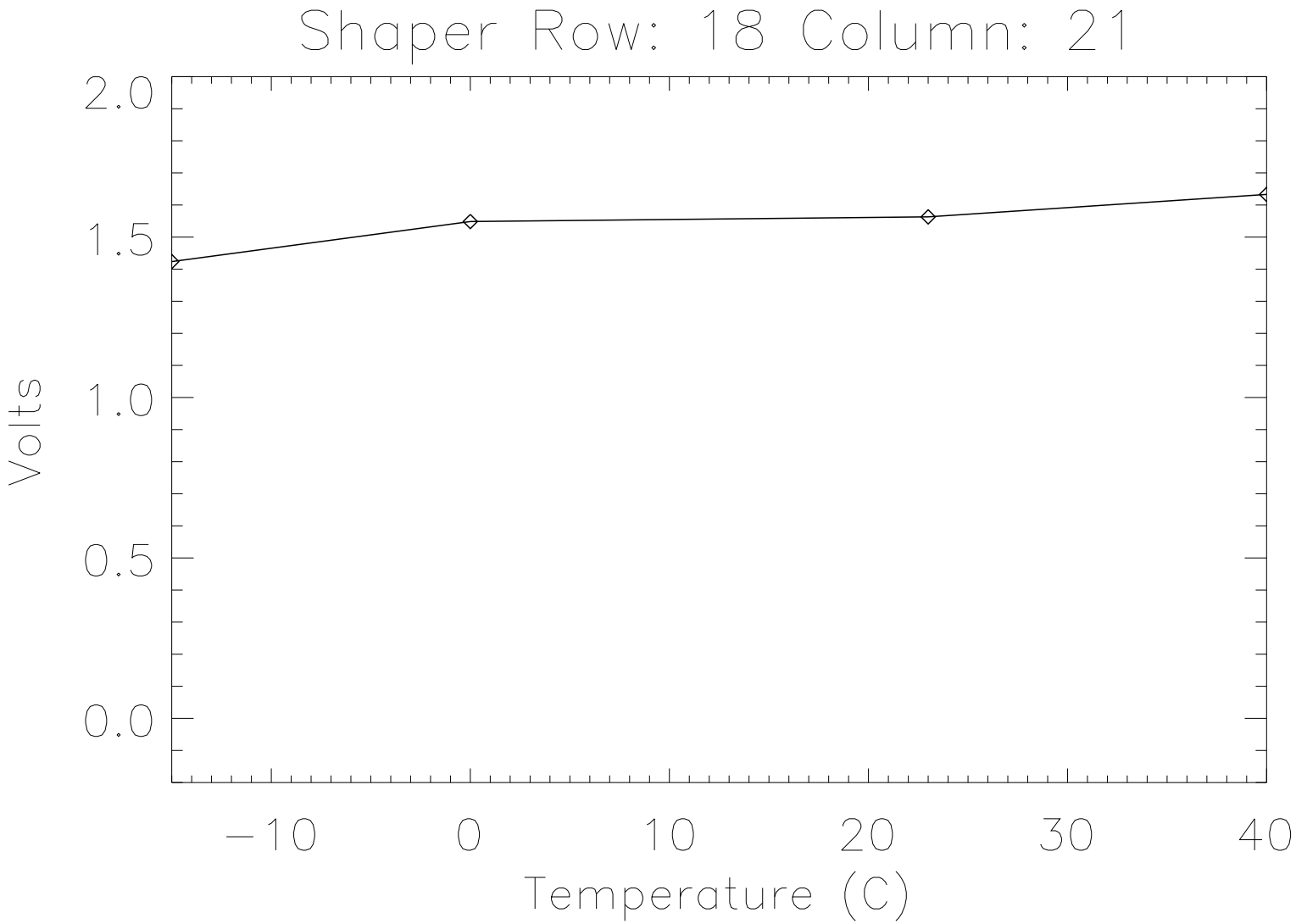

Leakage Row: 18 Column: 20
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

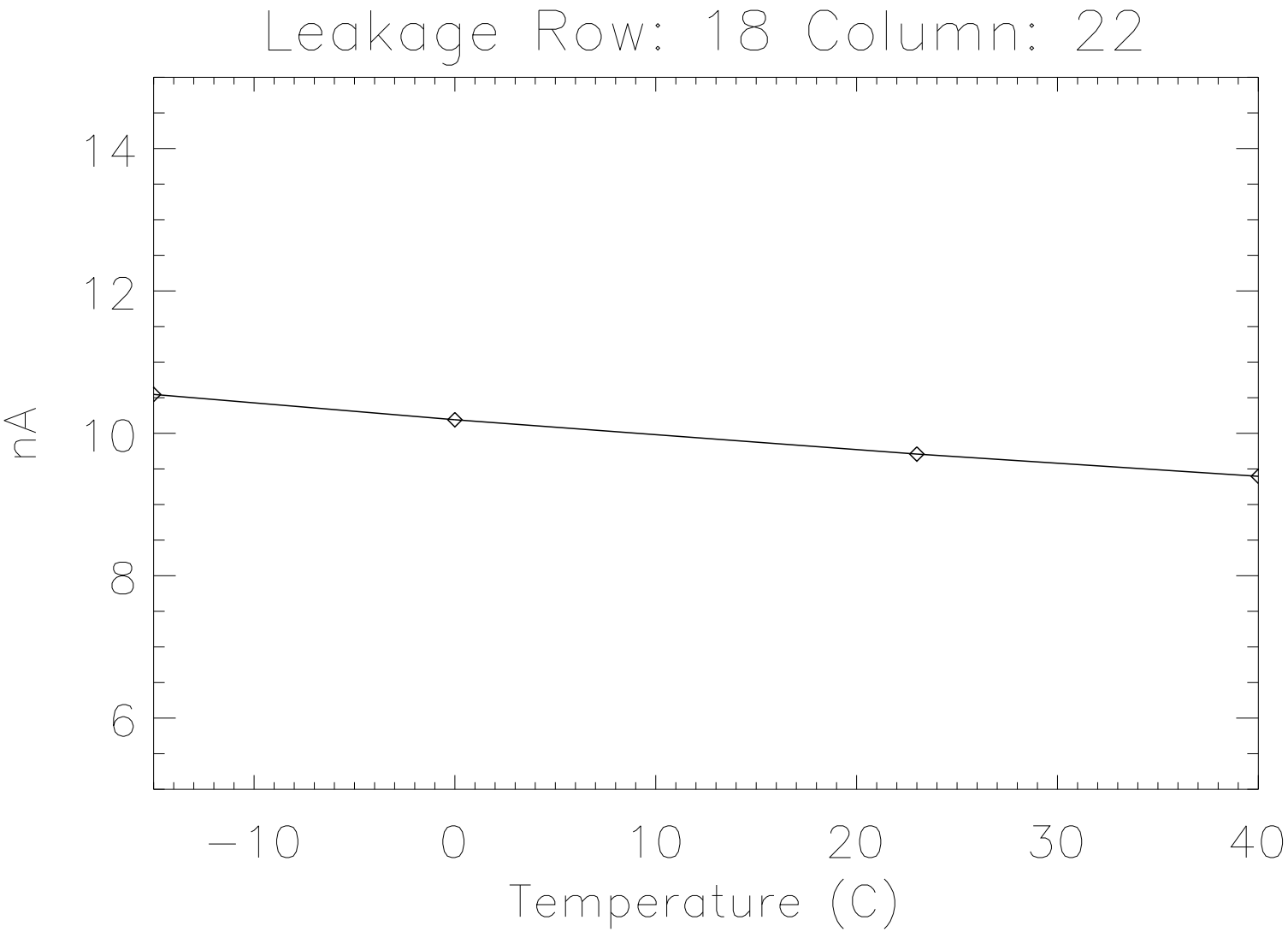

Preamp Row: 18 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

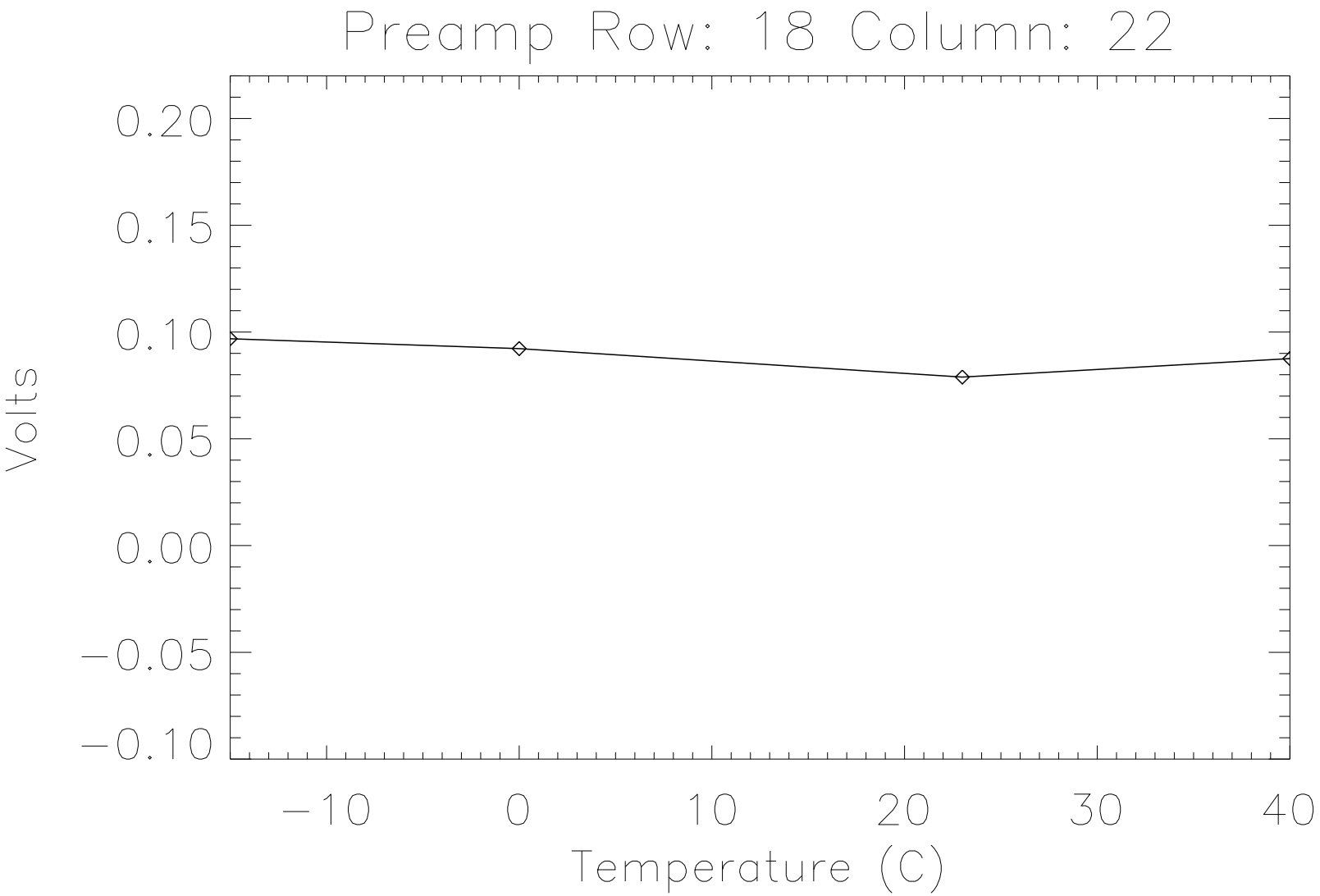

Shaper Row: 18 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 18 Column: 21
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 18 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 18 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 22
0.20
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0.10
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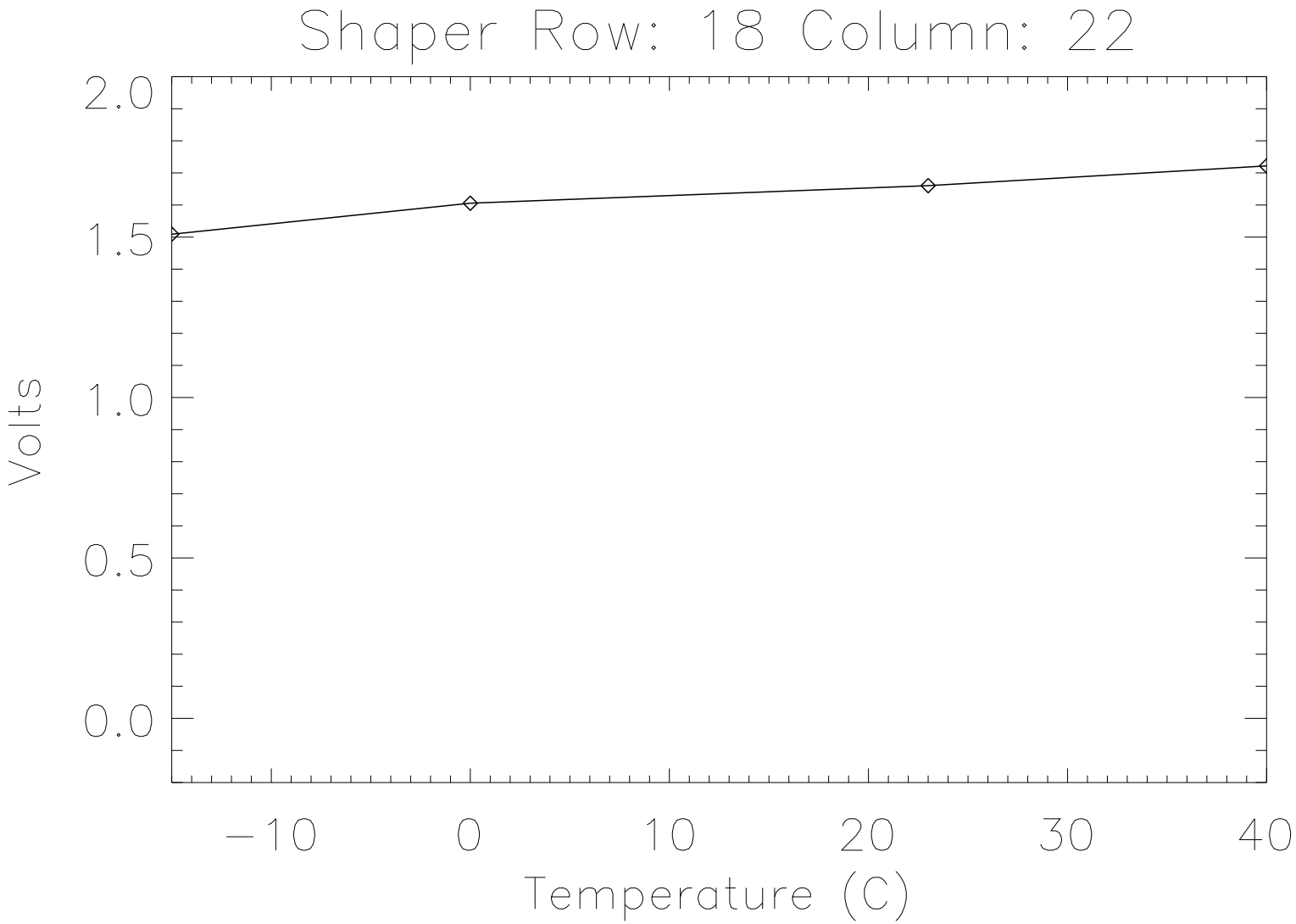
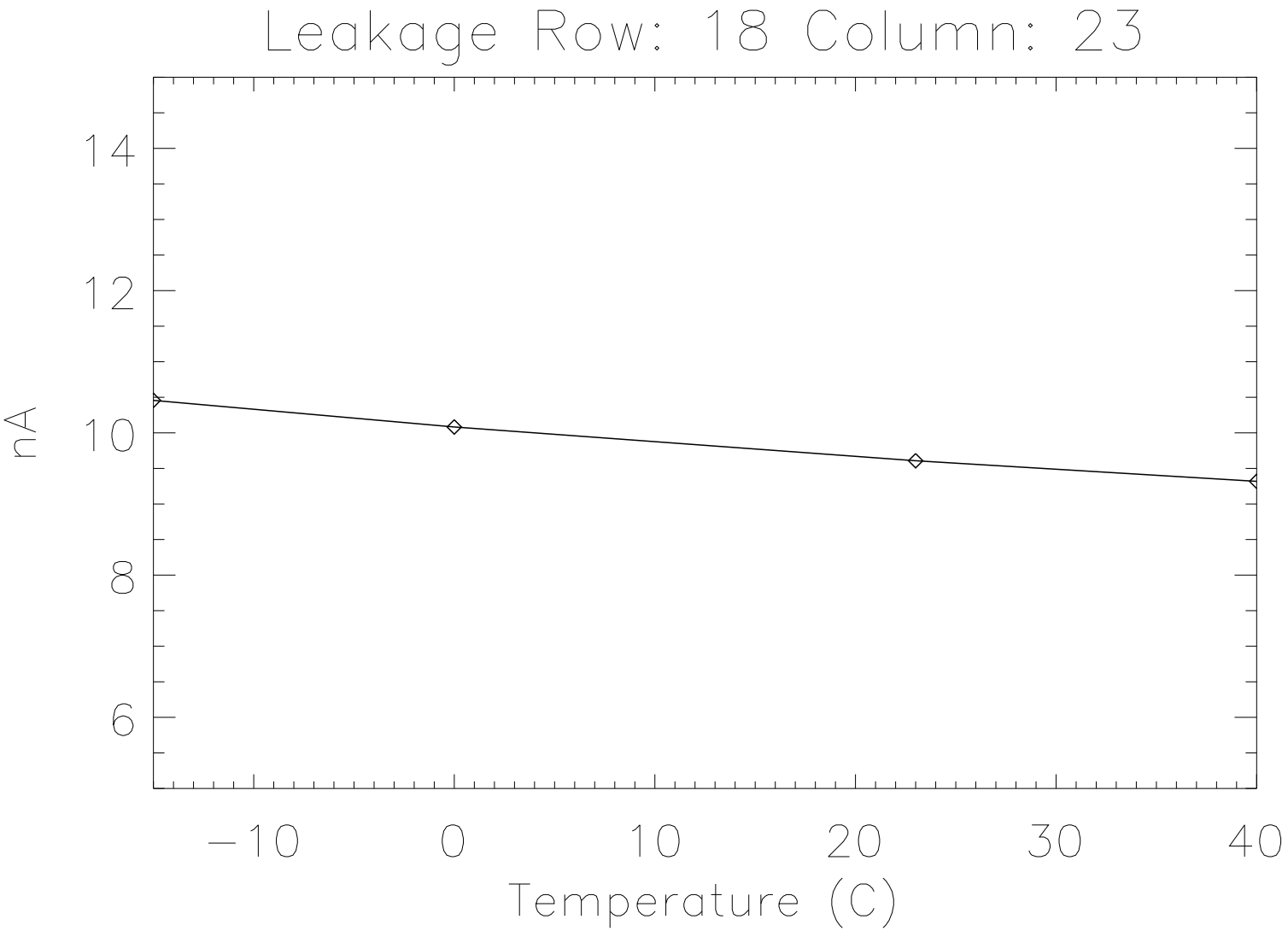
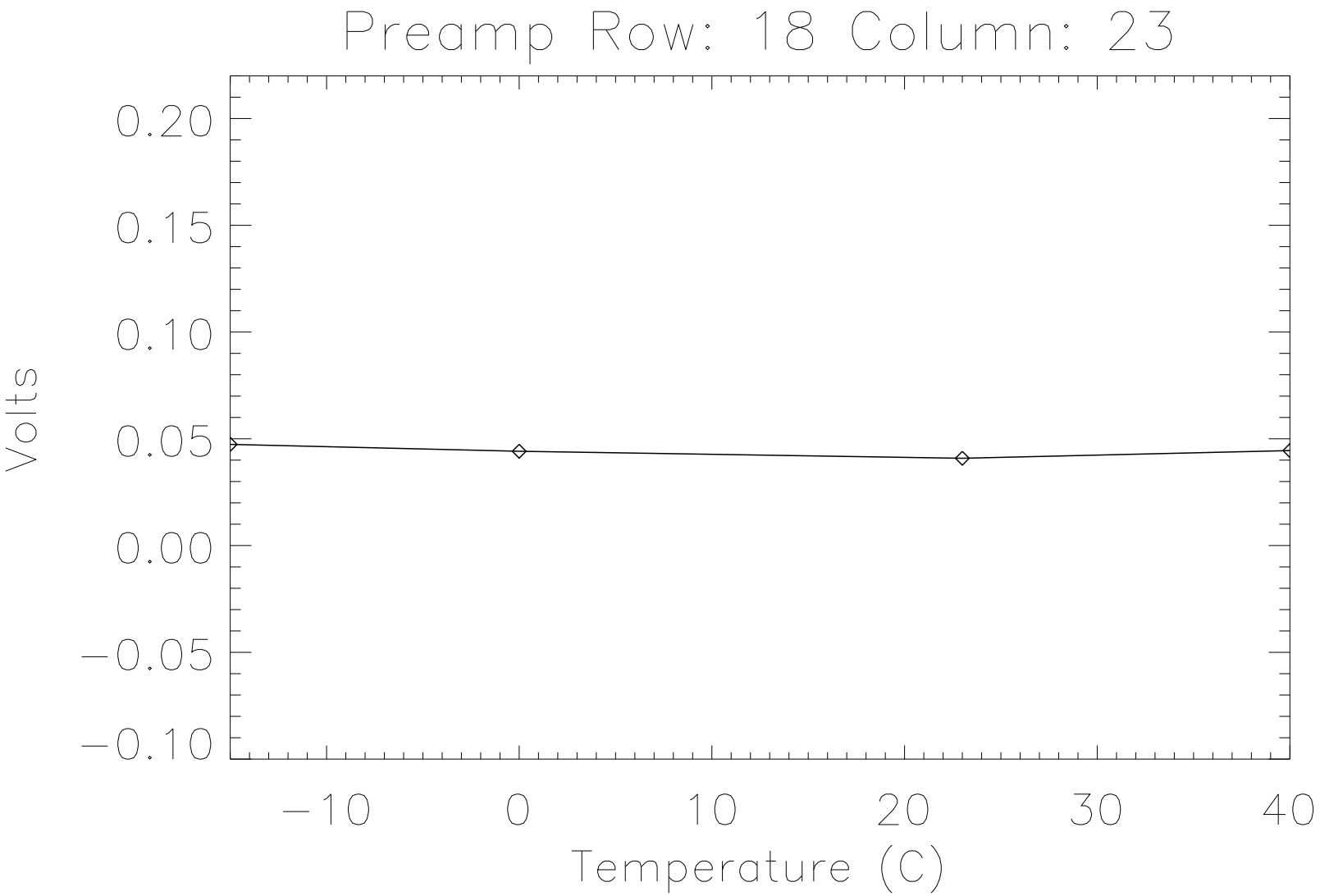
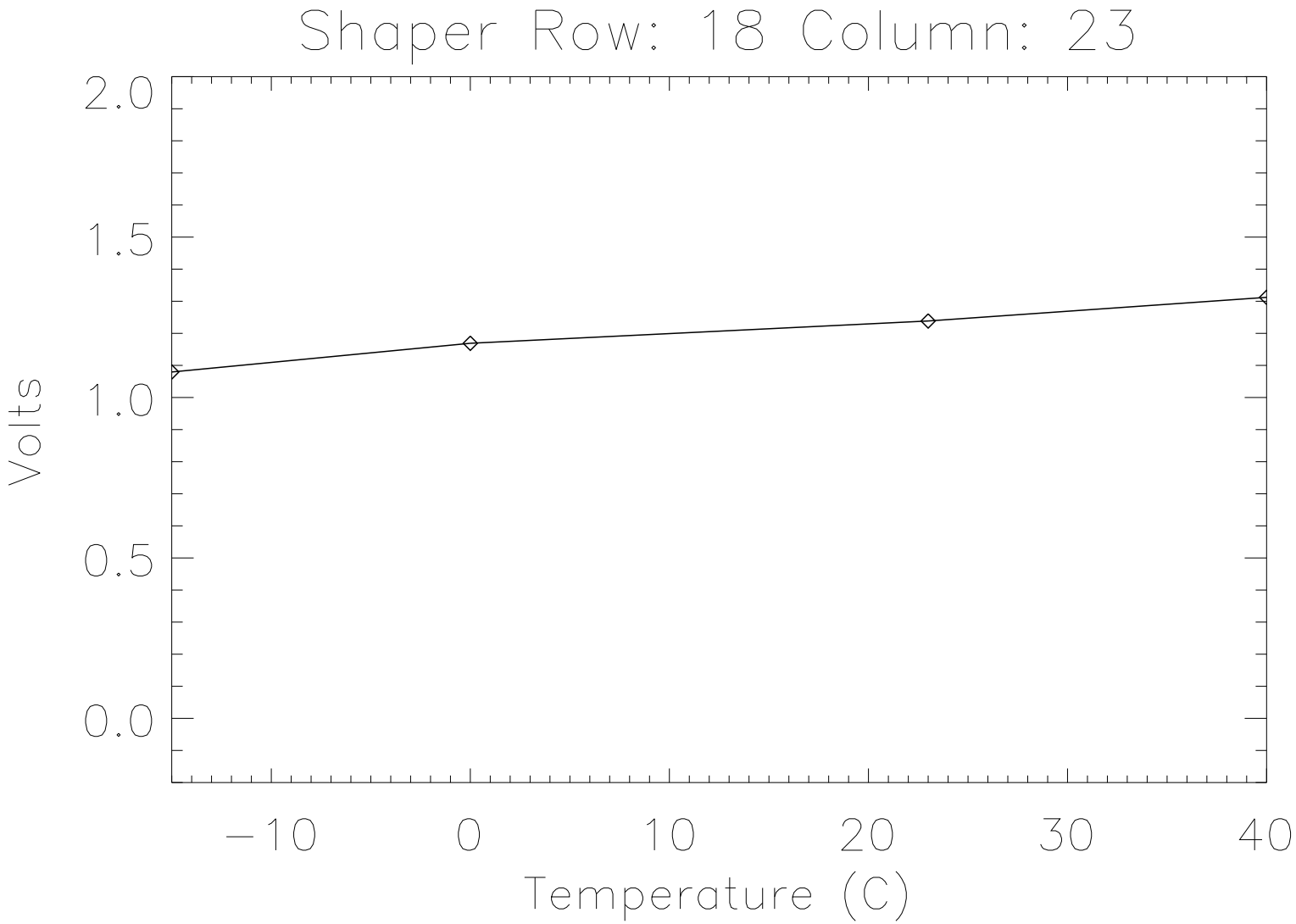
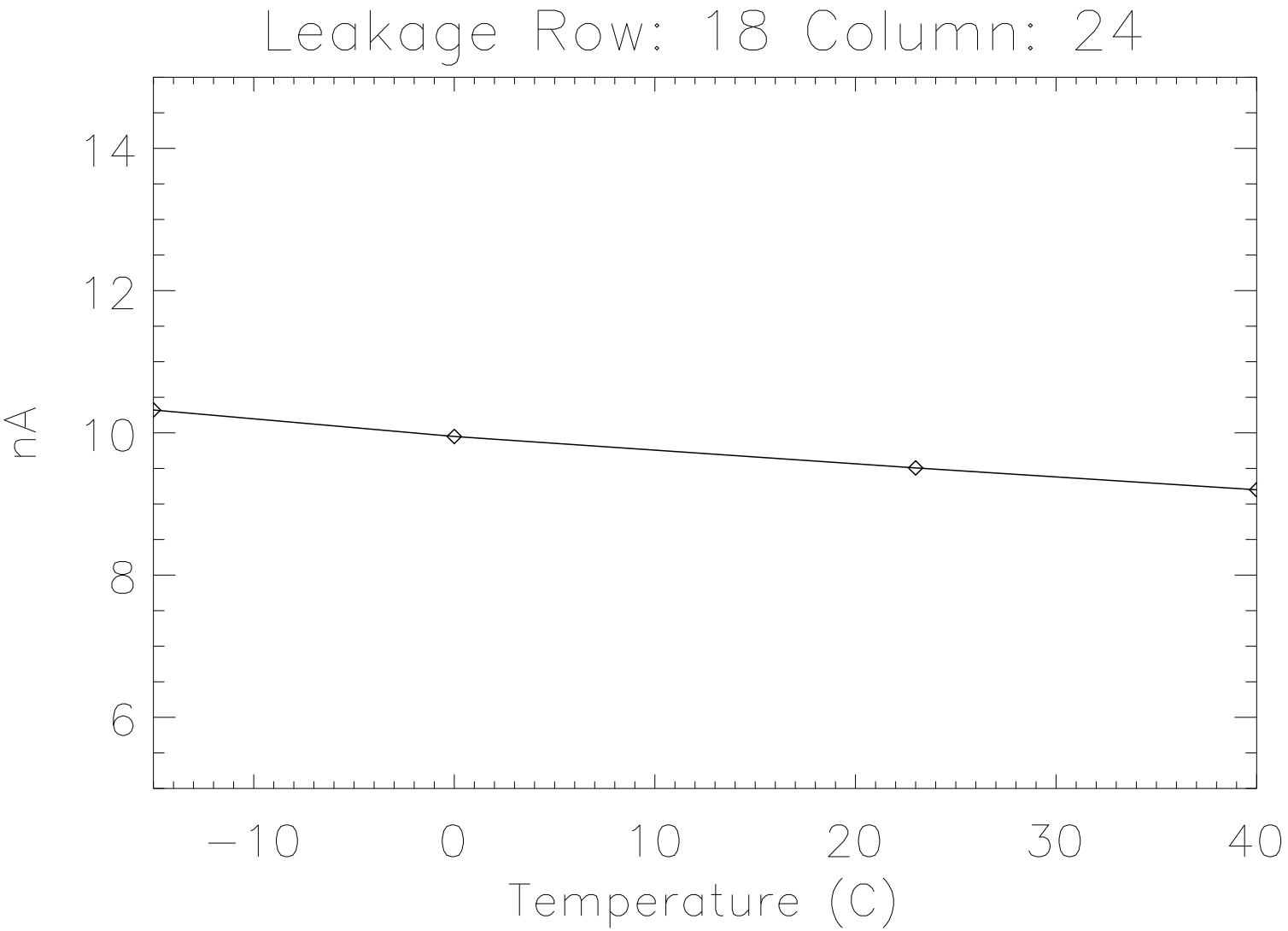
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

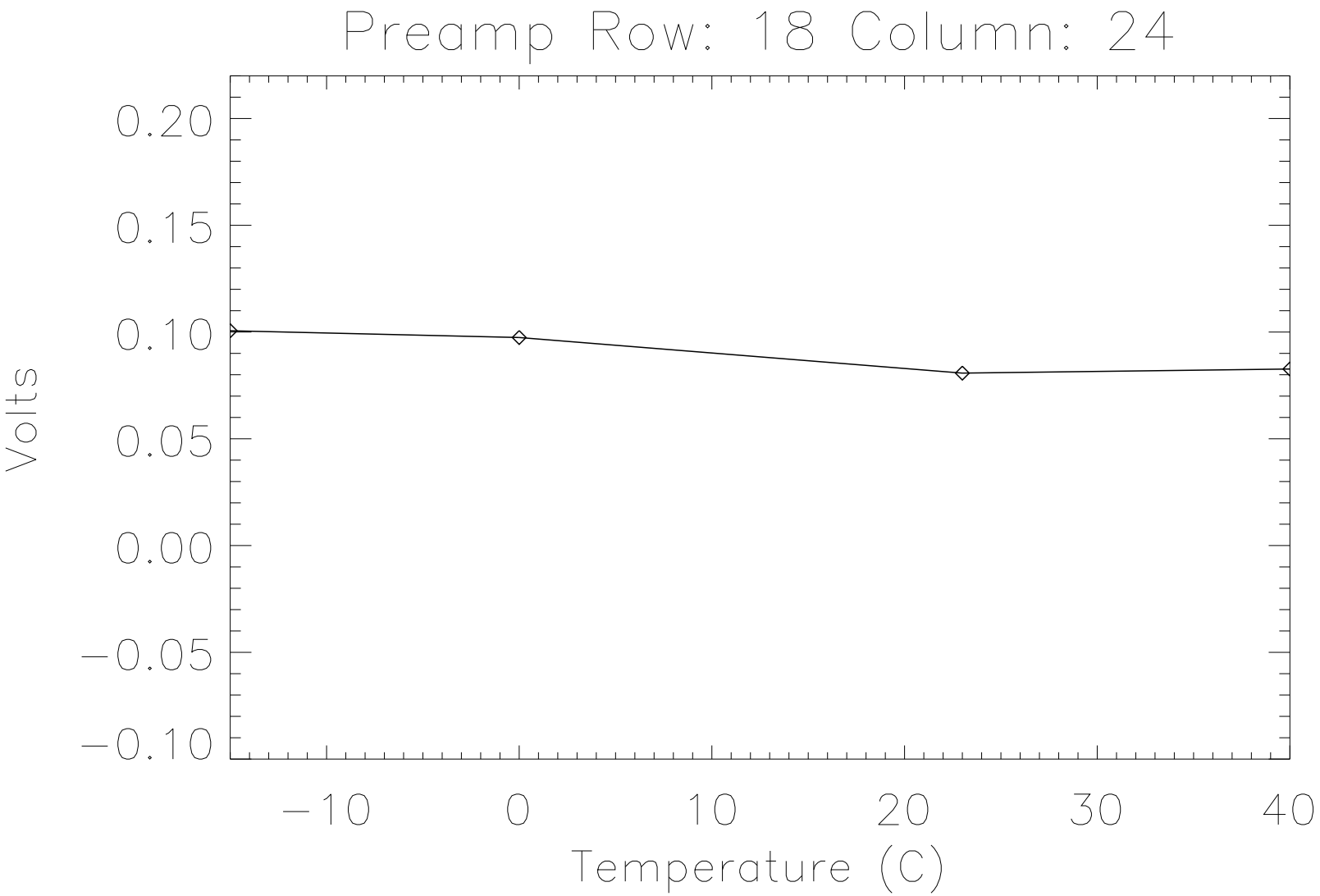

Shaper Row: 18 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

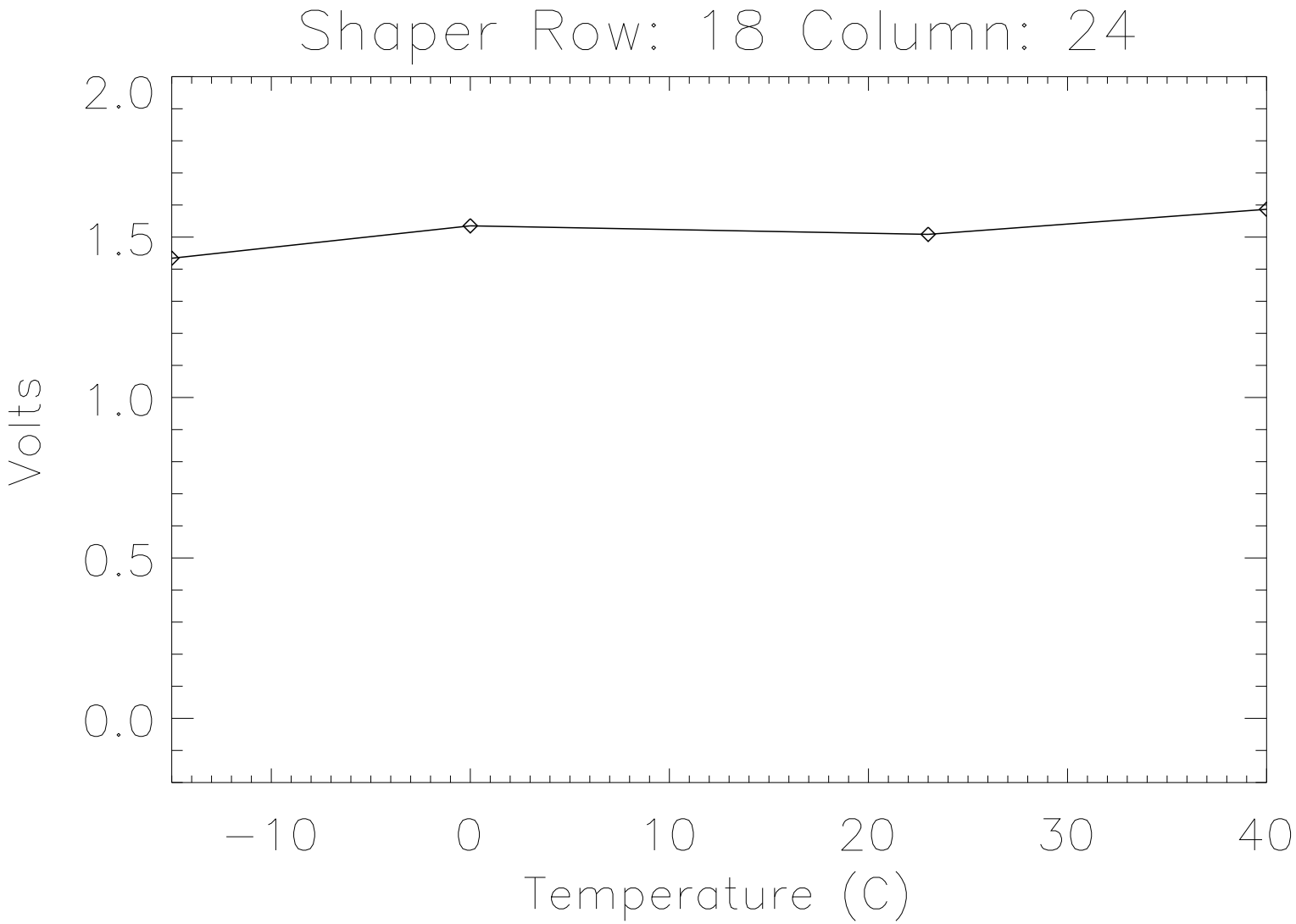

Leakage Row: 18 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

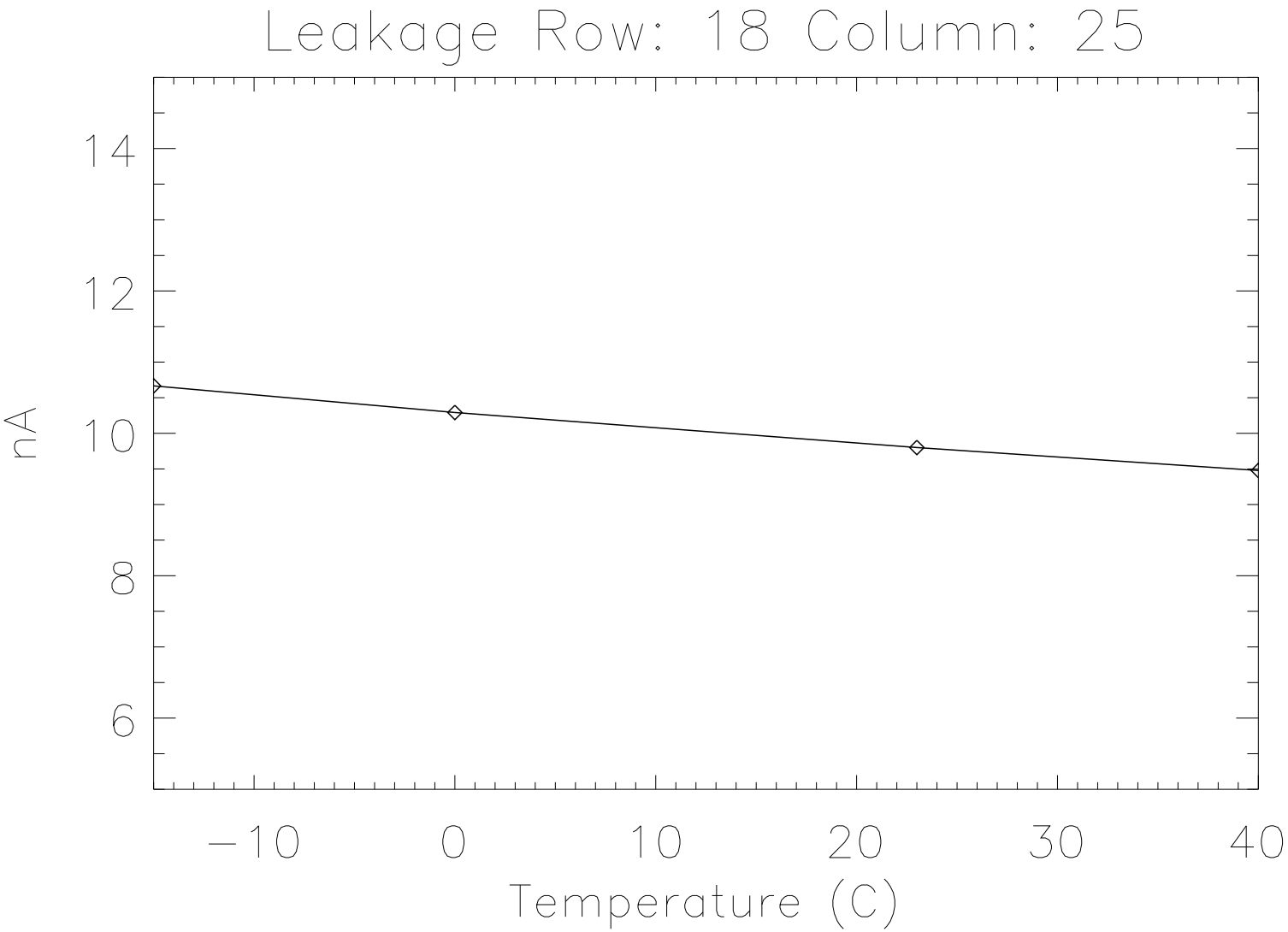

Preamp Row: 18 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

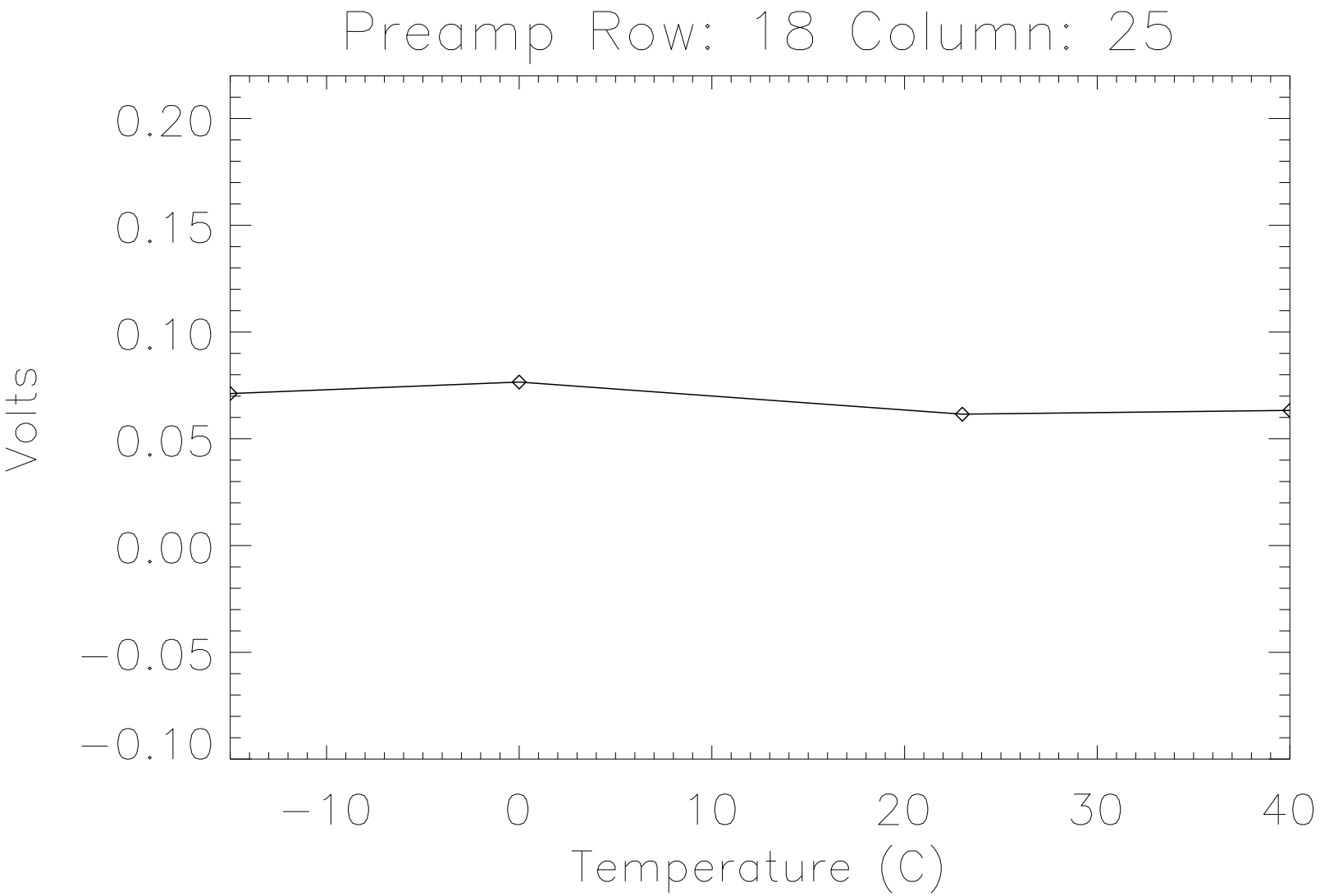

Shaper Row: 18 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

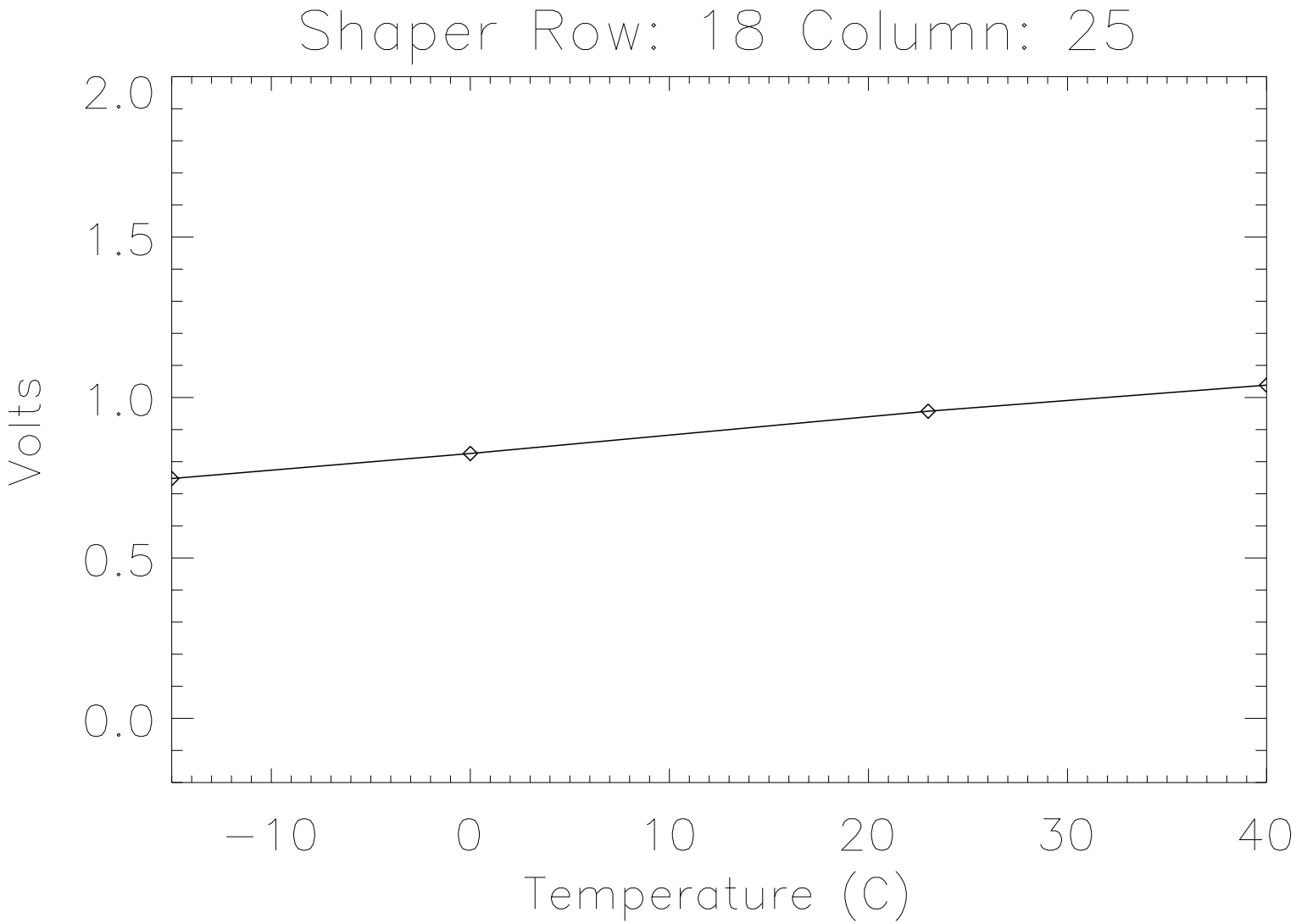

Leakage Row: 18 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 18 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 18 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 18 Column: 25
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1.5
1.0
0.5
0.0
Volts
−10
0
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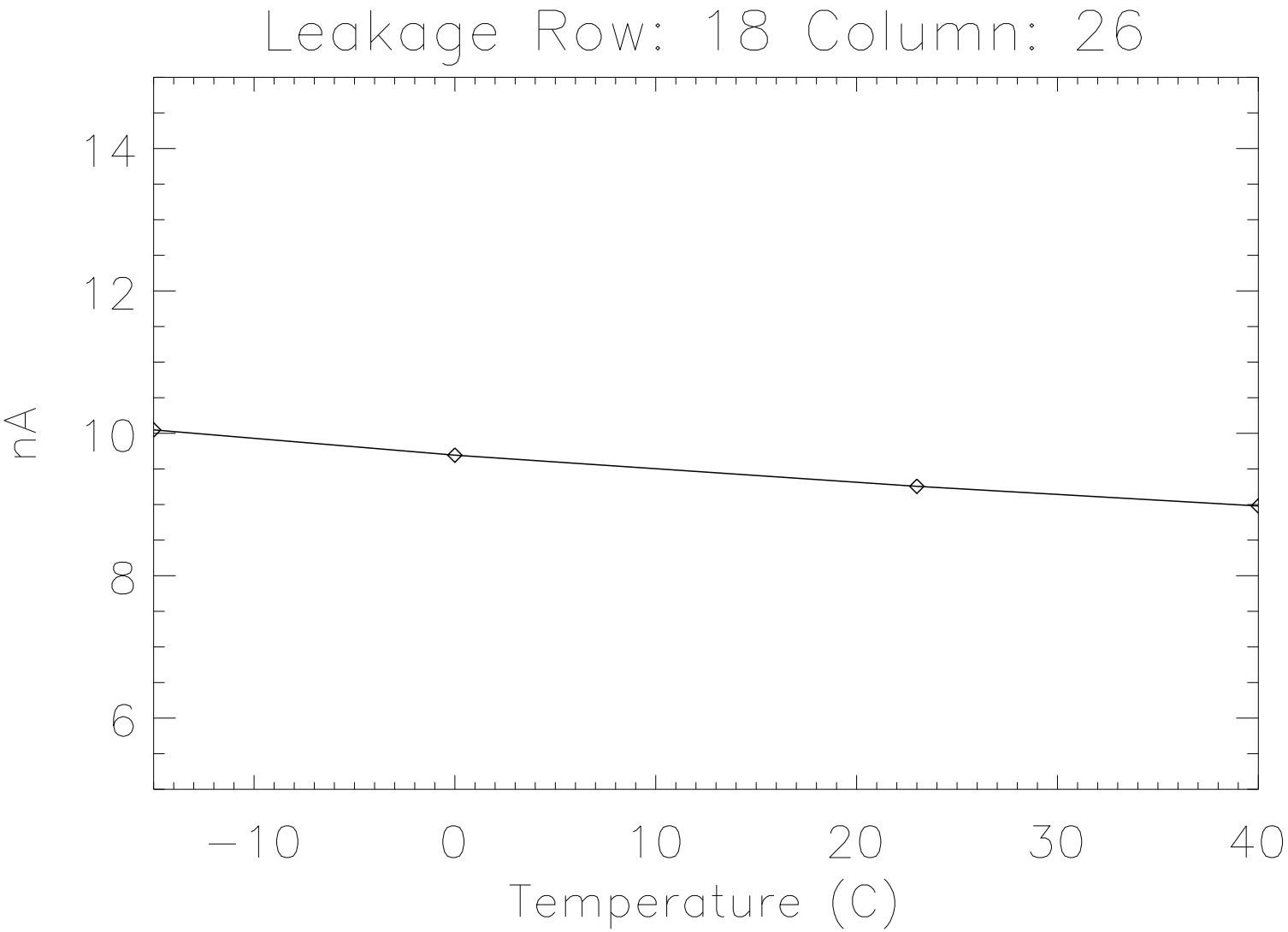
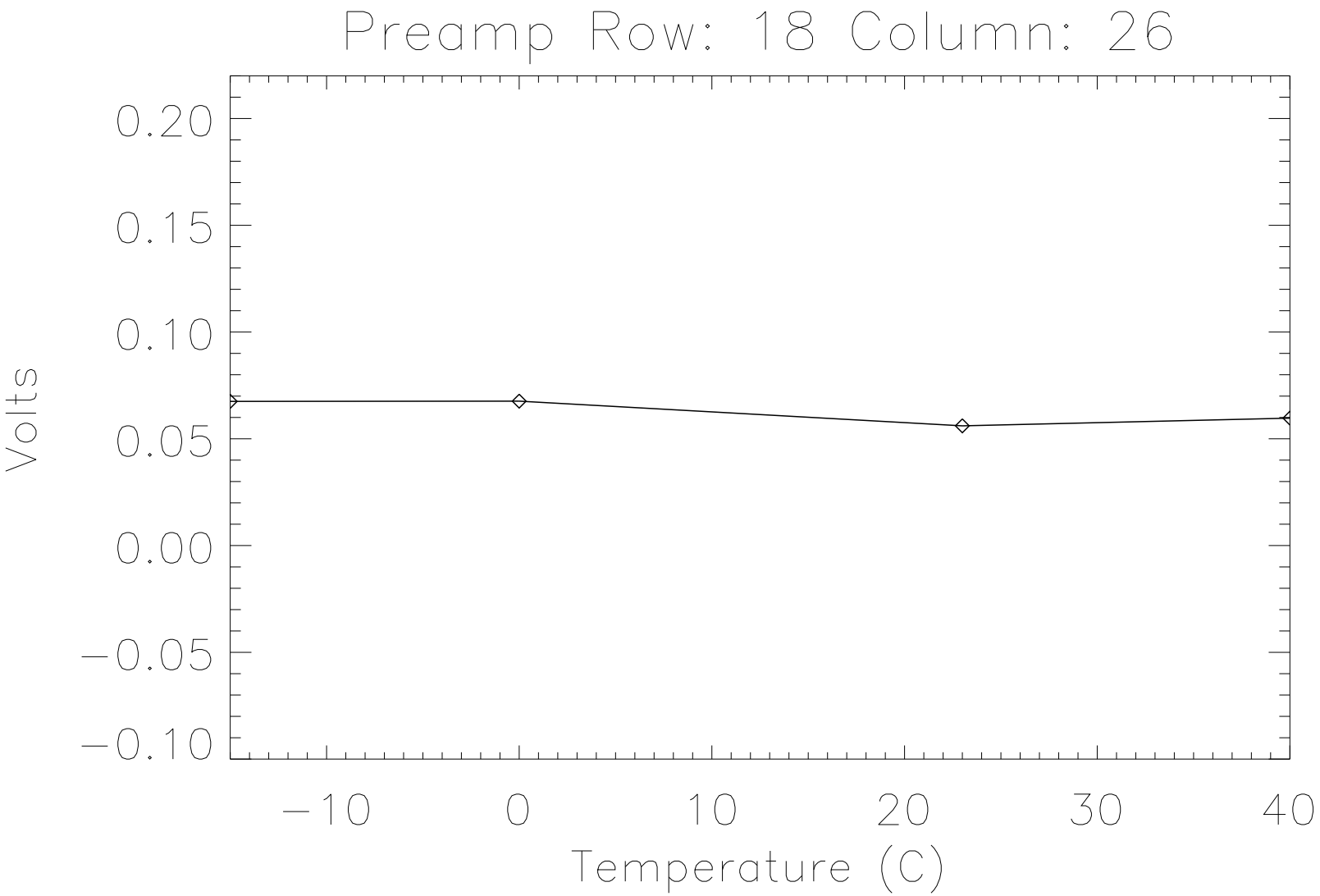
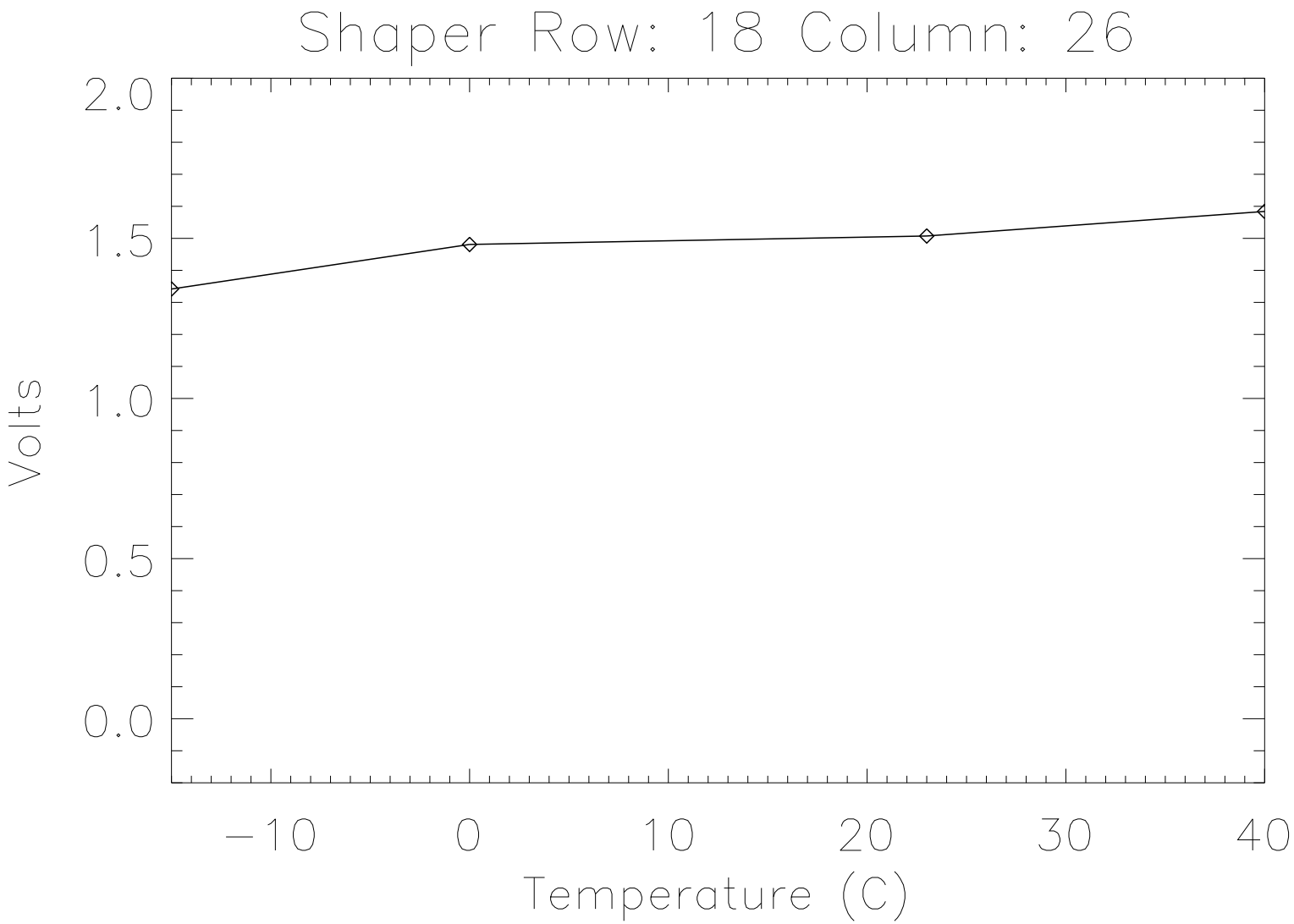
20
30
40
Temperature (C)


Leakage Row: 18 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 26
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 18 Column: 26
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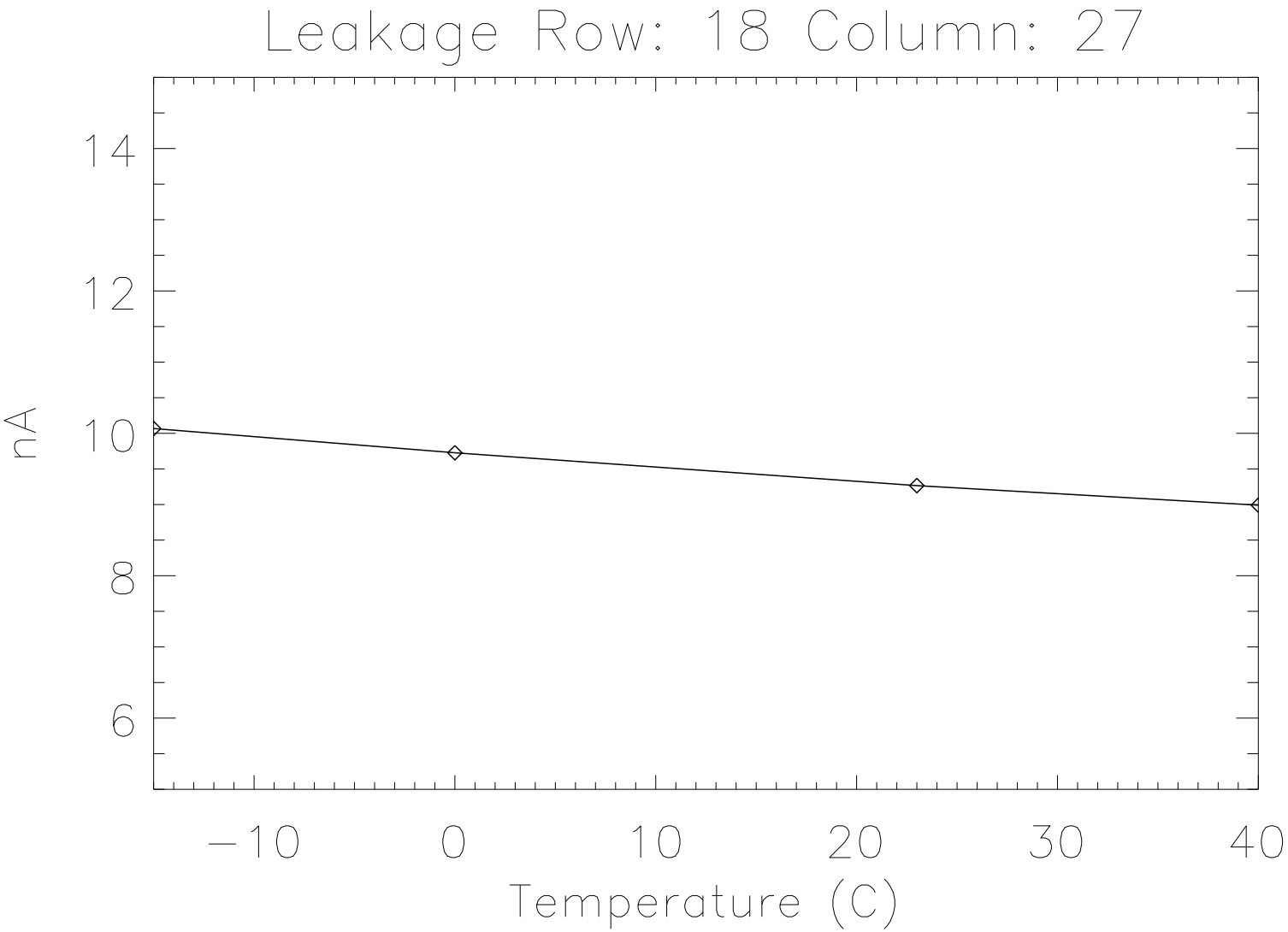
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 18 Column: 27
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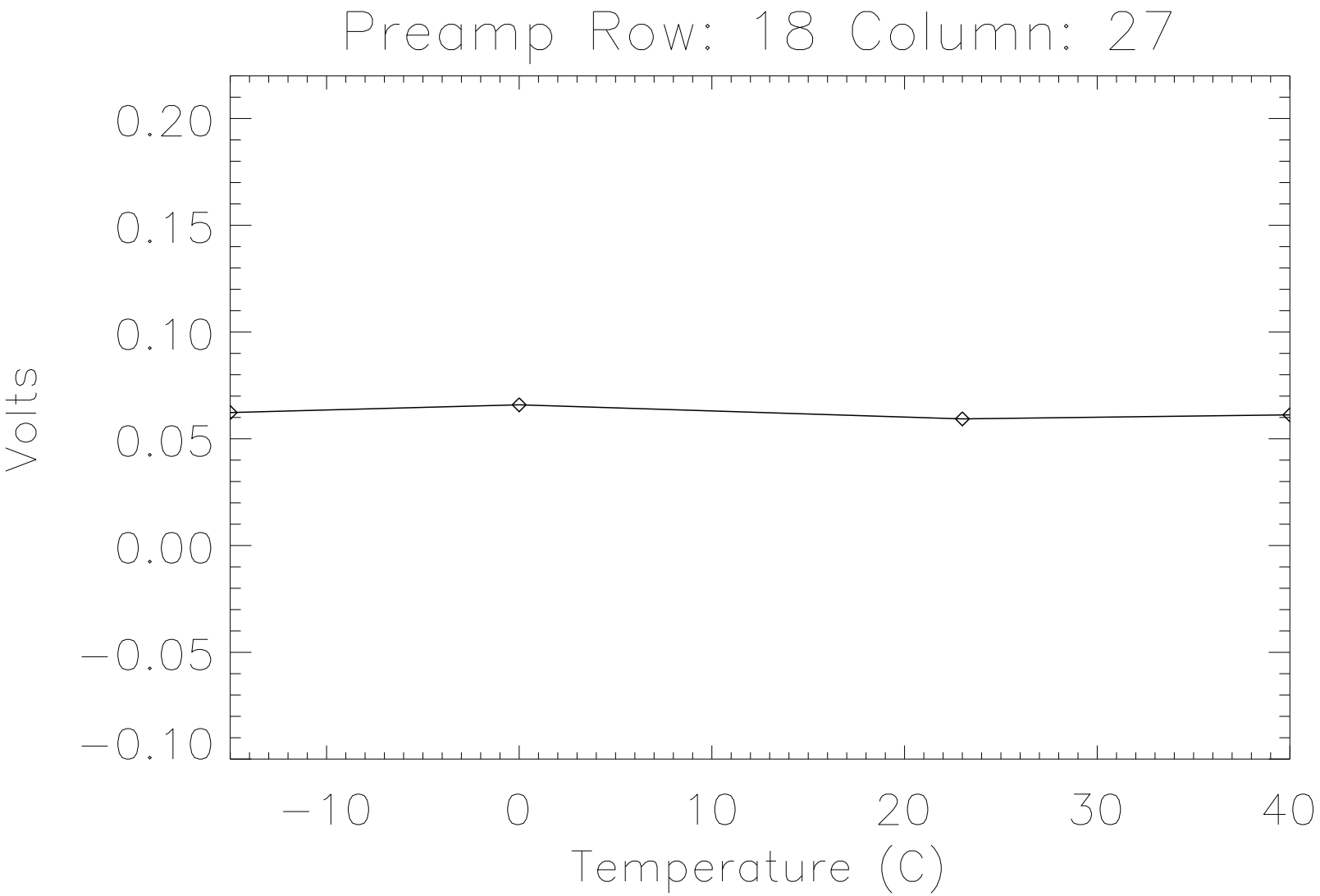
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 27
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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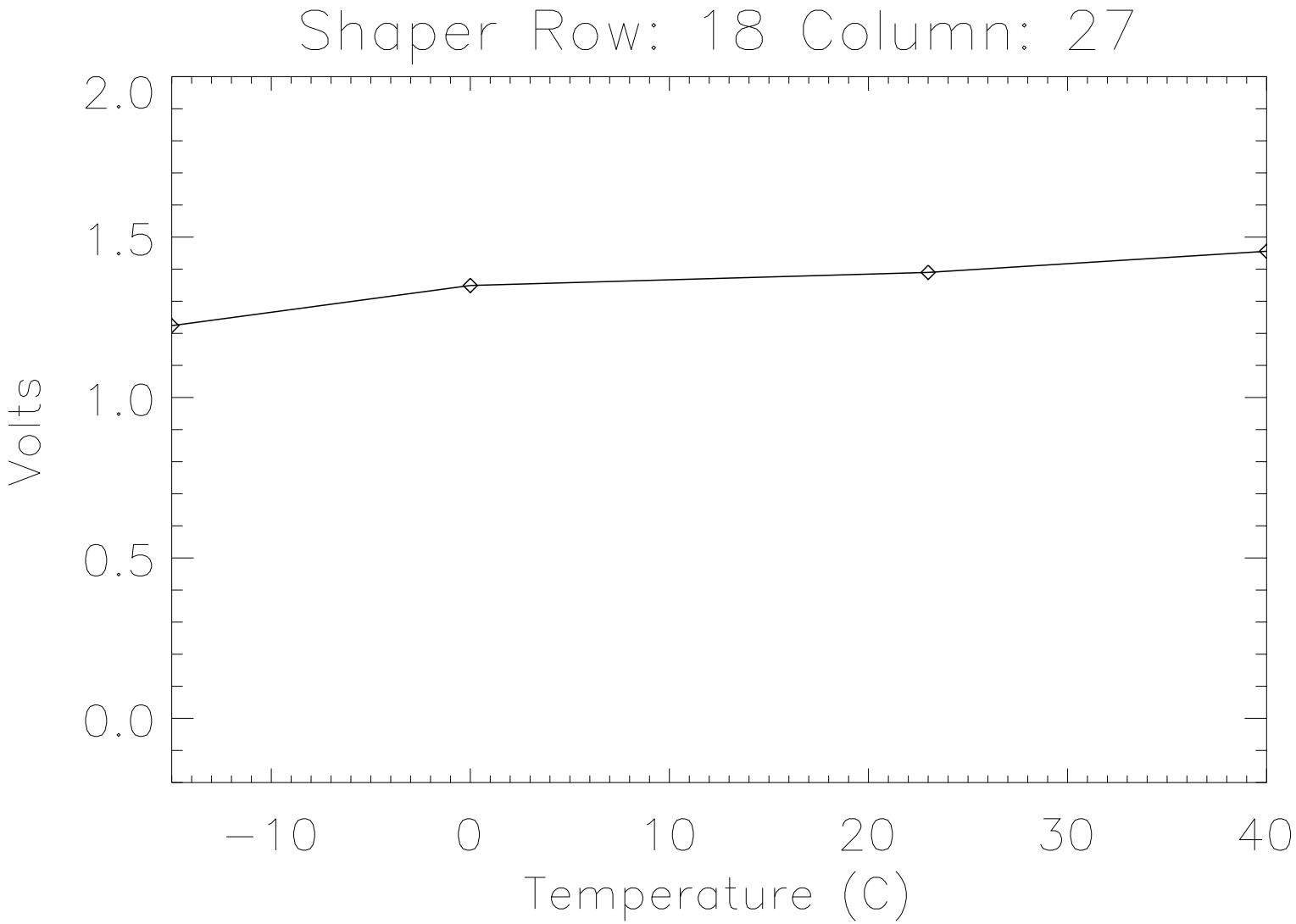
20
30
40
Temperature (C)


Shaper Row: 18 Column: 27
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1.0
0.5
0.0
Volts
−10
0
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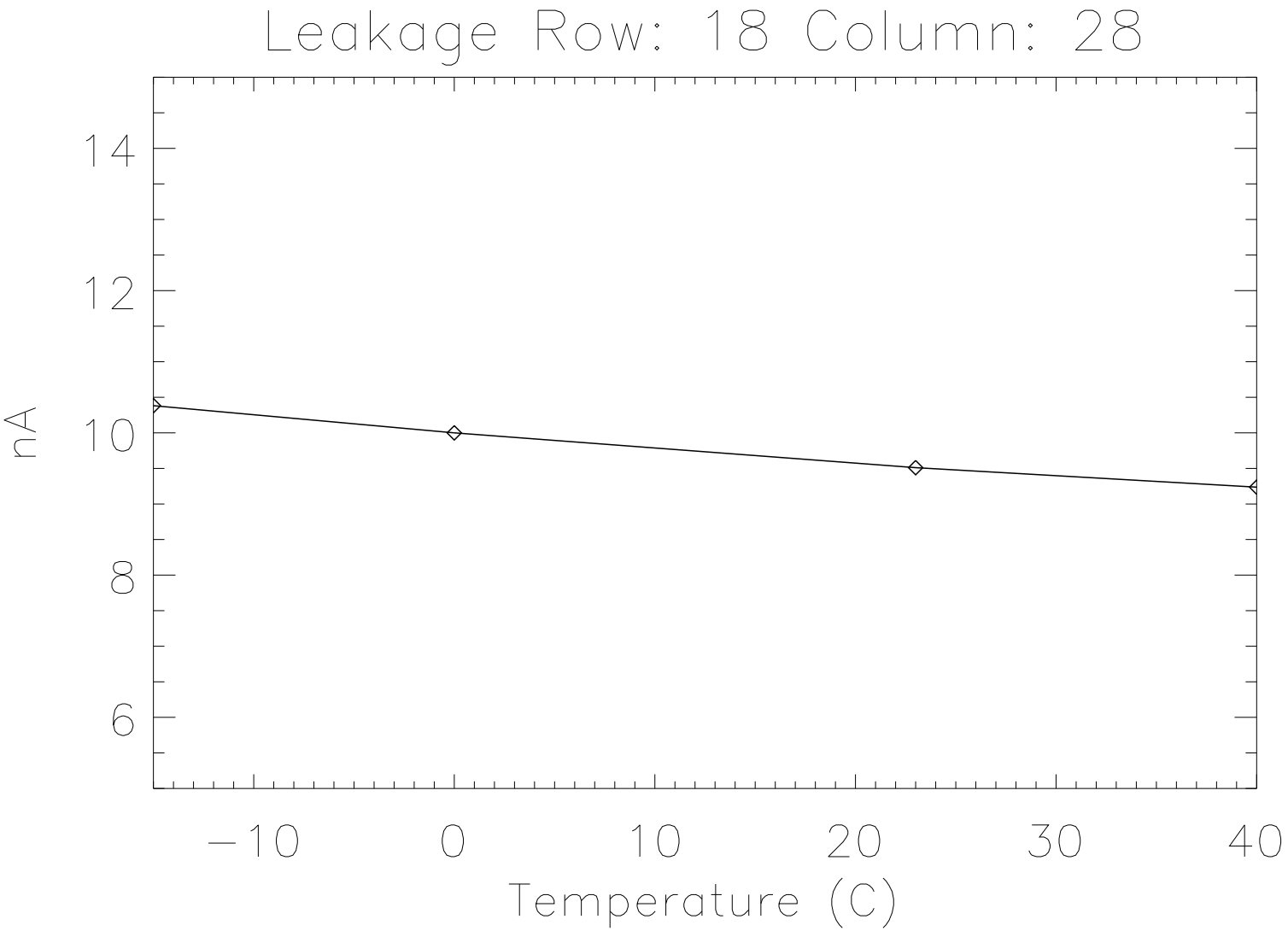
20
30
40
Temperature (C)


Leakage Row: 18 Column: 28
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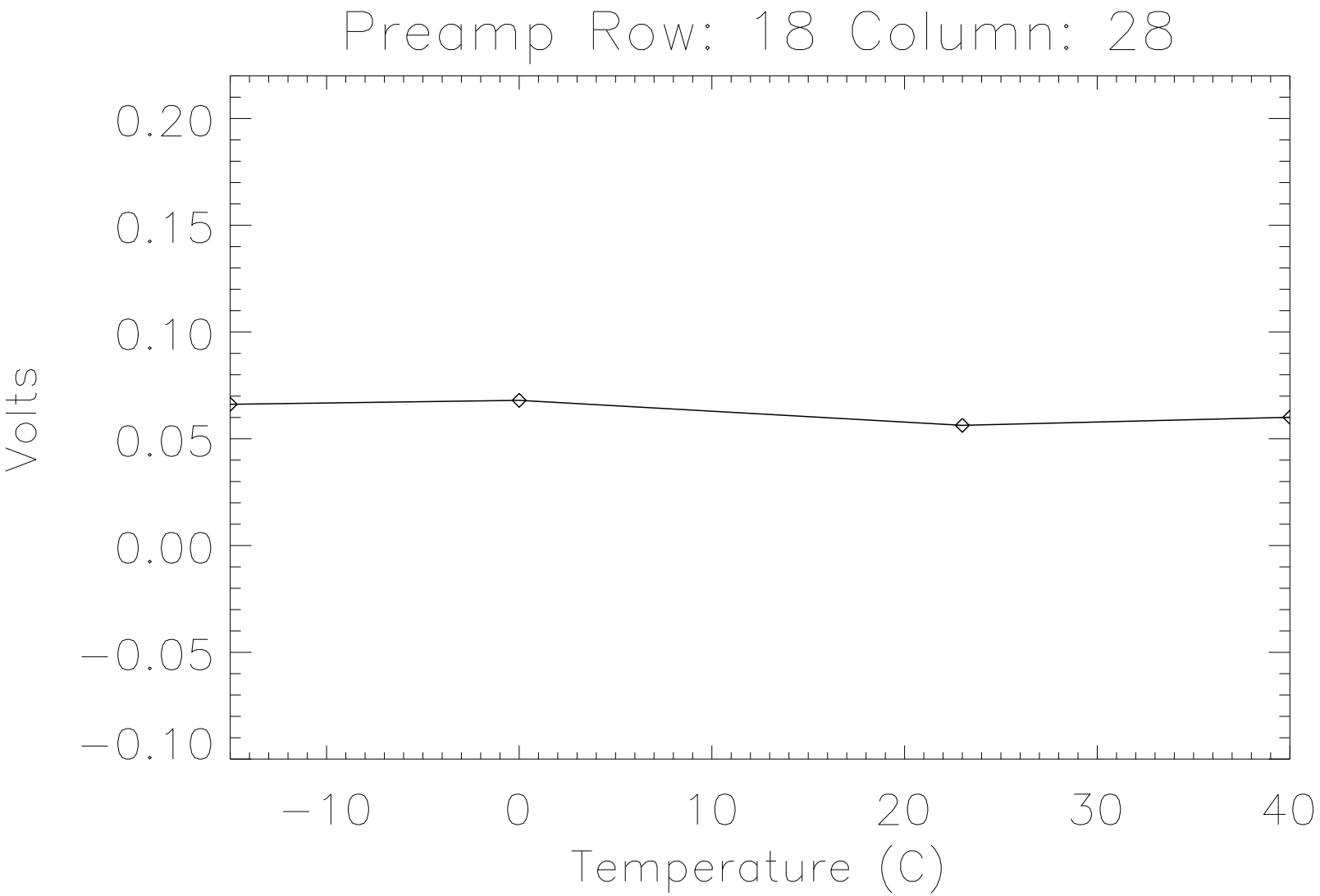
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 28
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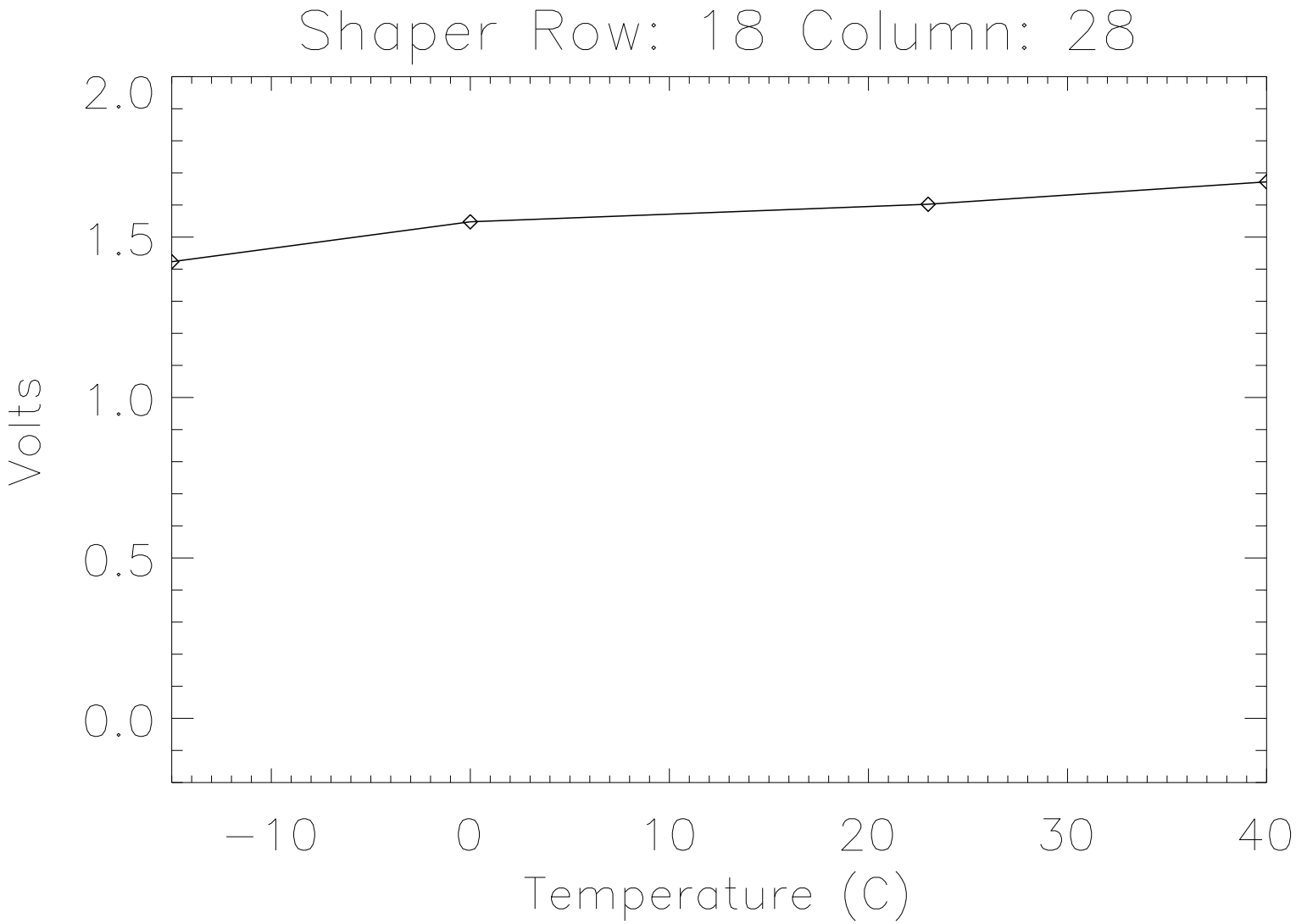
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 18 Column: 28
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1.5
1.0
0.5
0.0
Volts
−10
0
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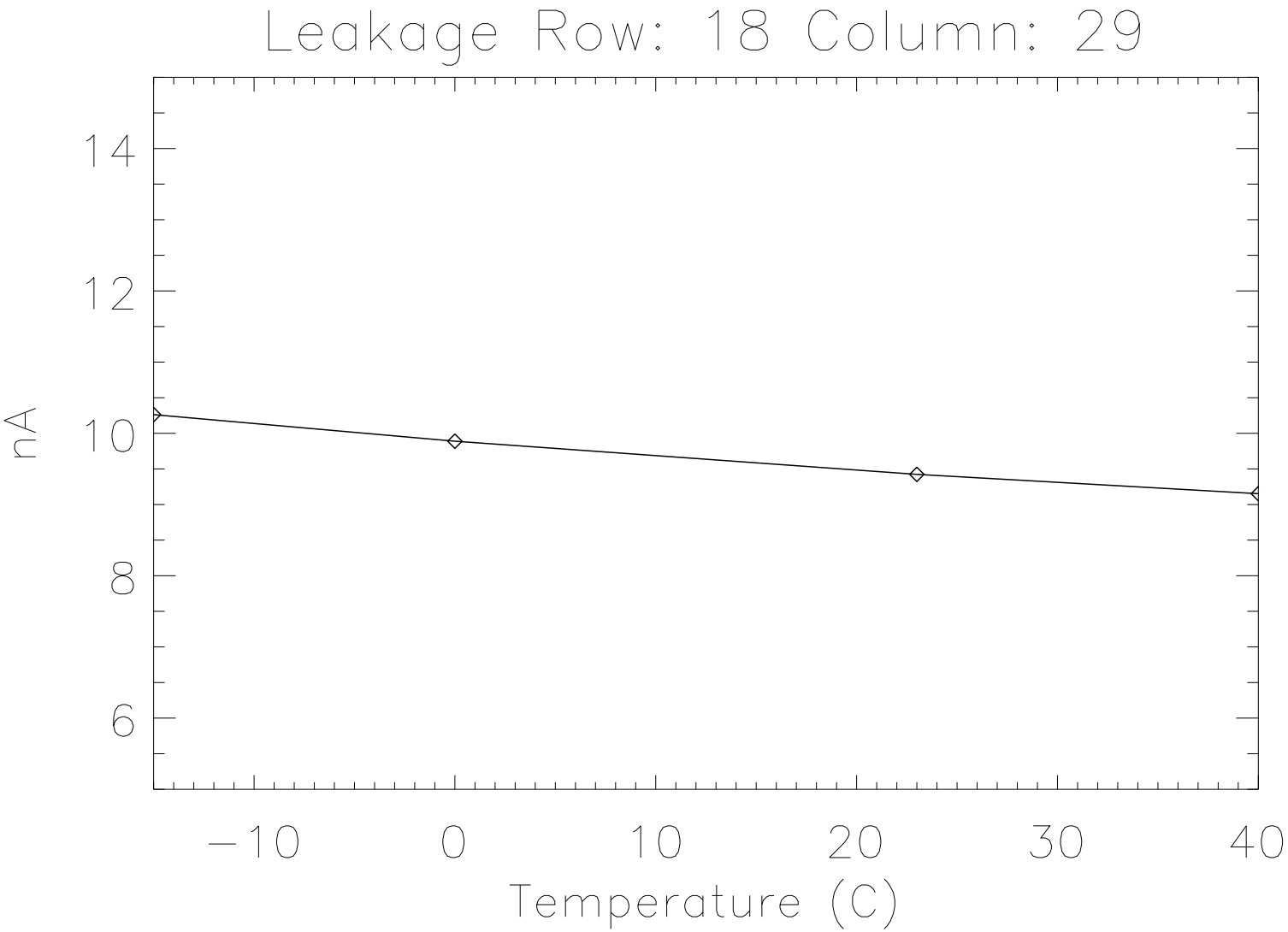
20
30
40
Temperature (C)


Leakage Row: 18 Column: 29
14
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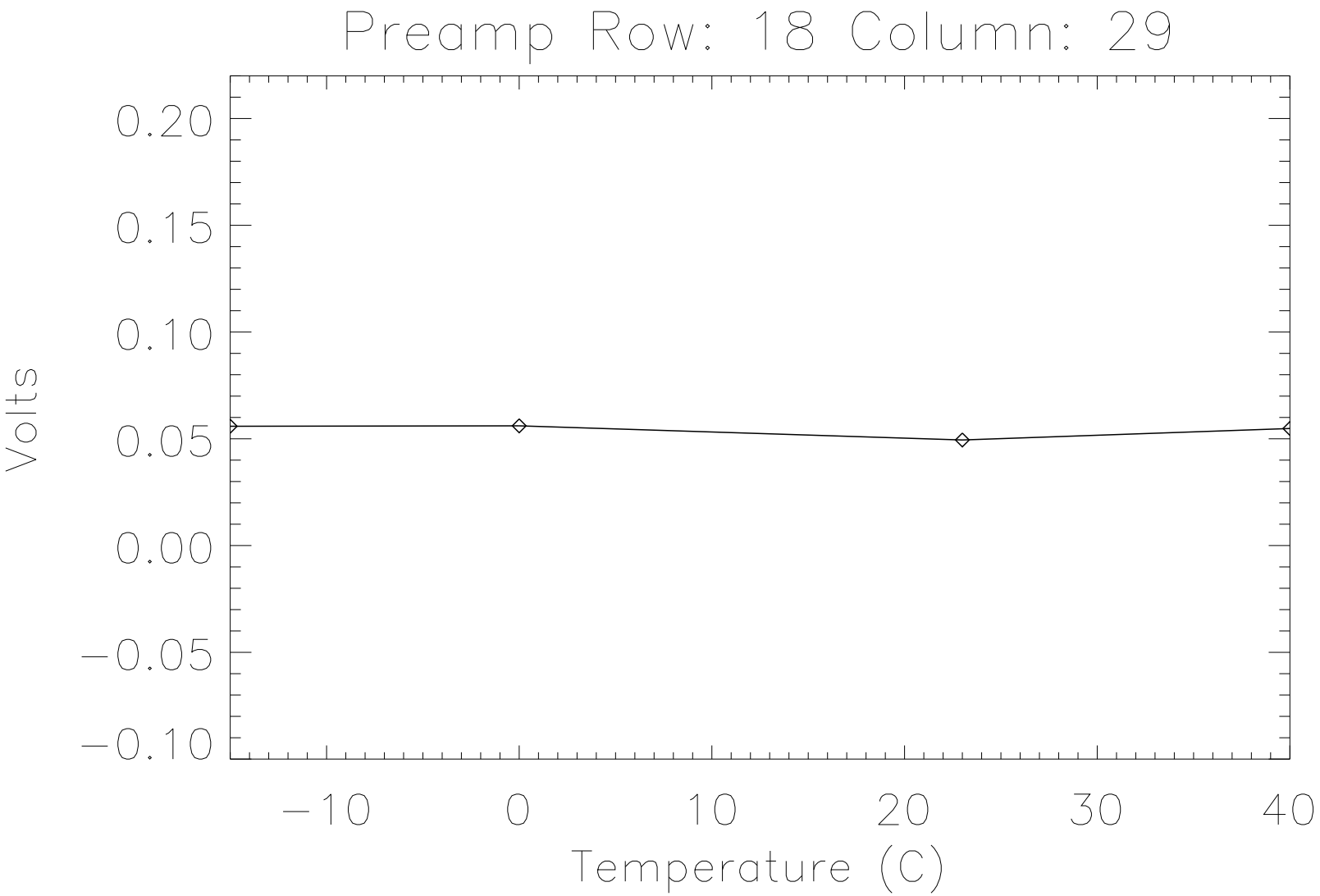
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 29
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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30
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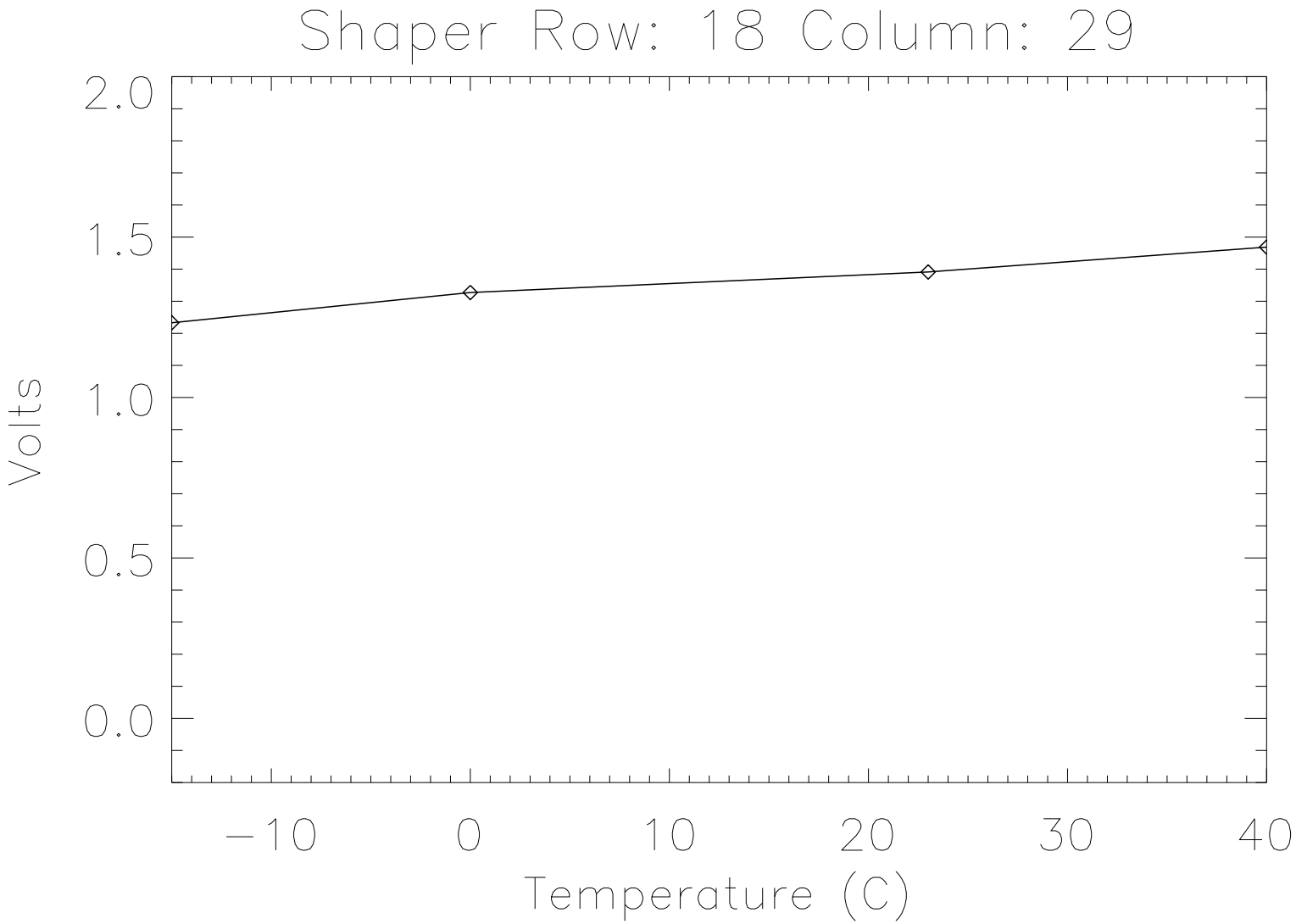
Temperature (C)


Shaper Row: 18 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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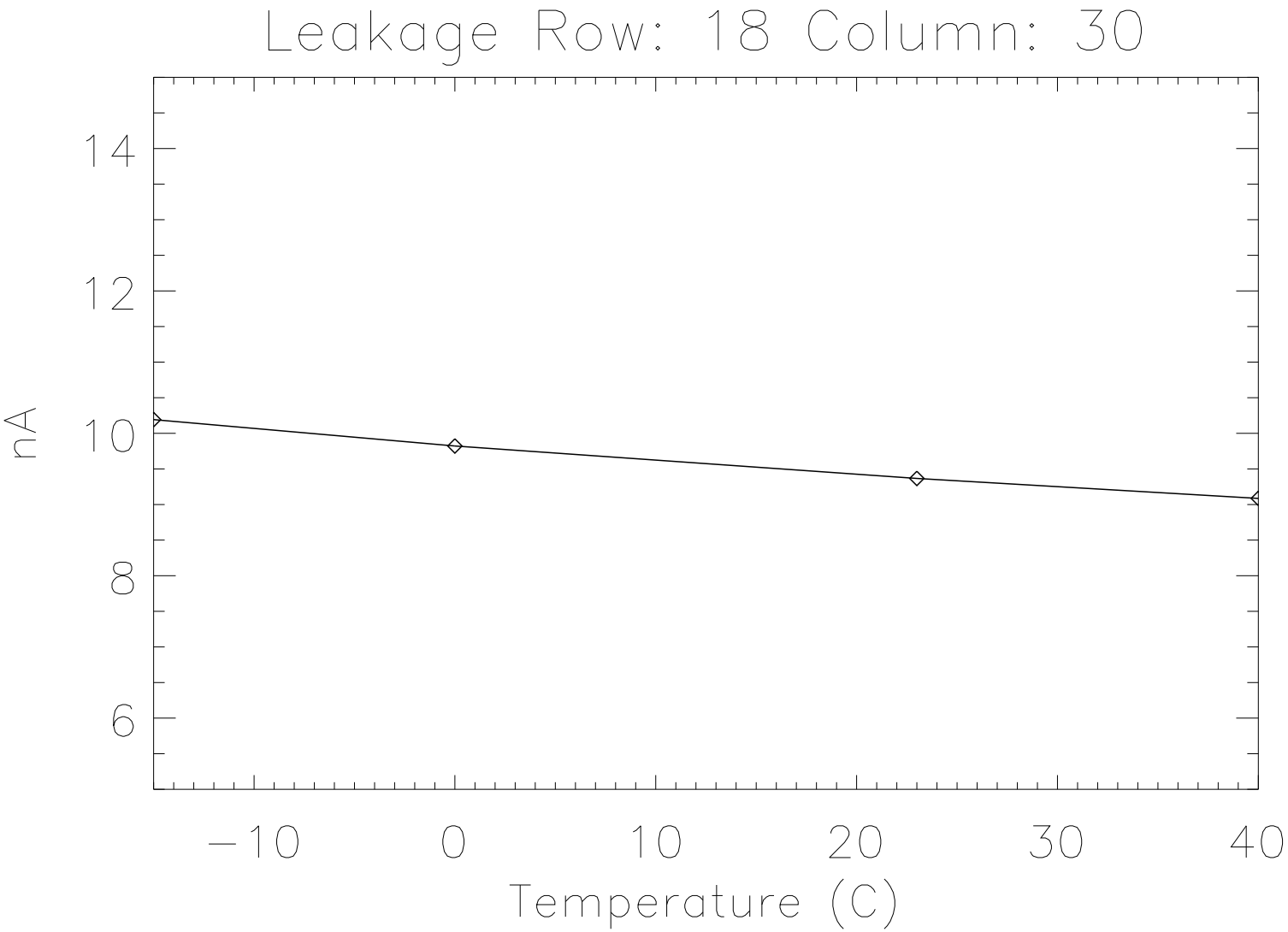
20
30
40
Temperature (C)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nA
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12
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8
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−10
0
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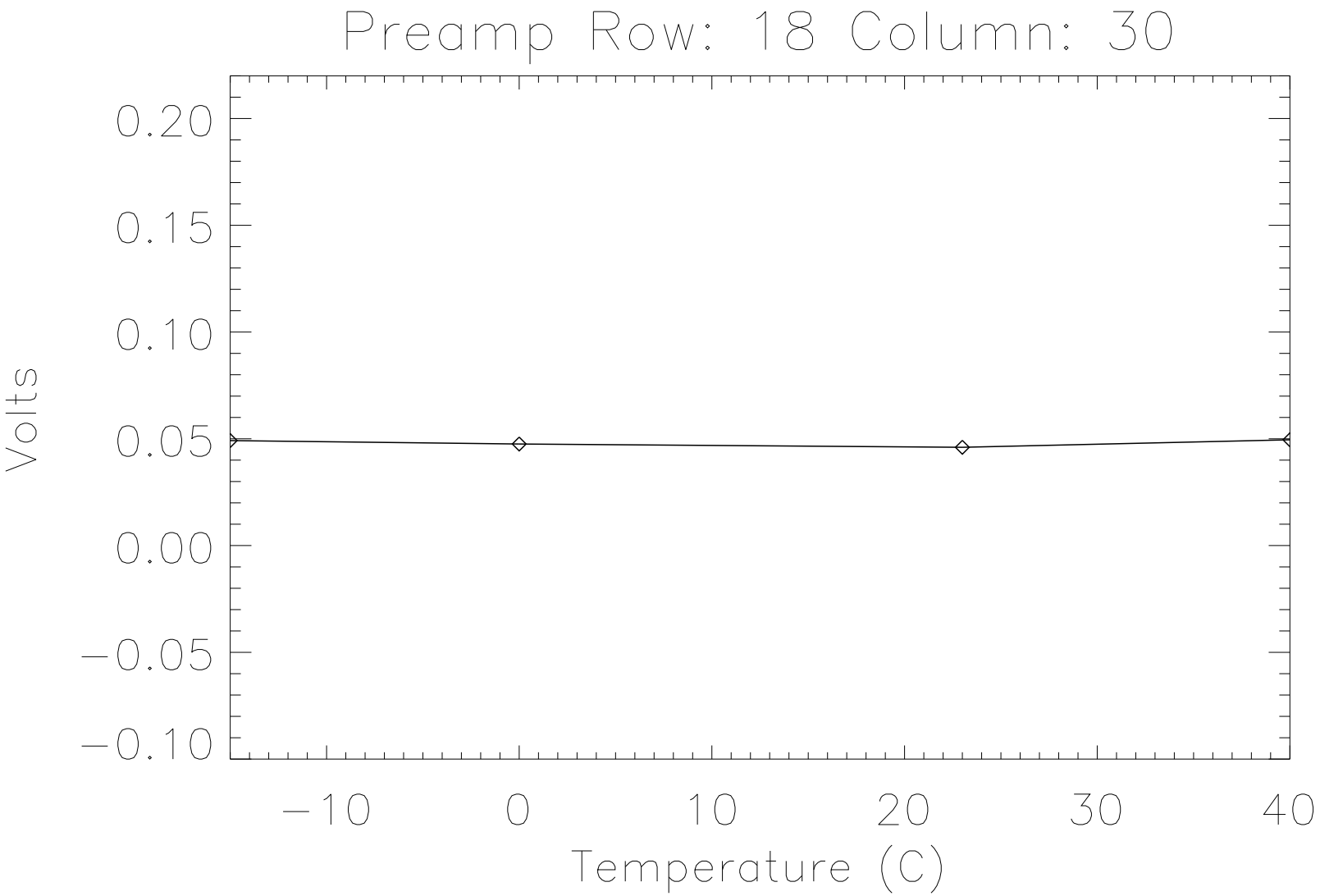
20
30
40
Temperature (C)


Preamp Row: 18 Column: 30
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0.10
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Volts
−10
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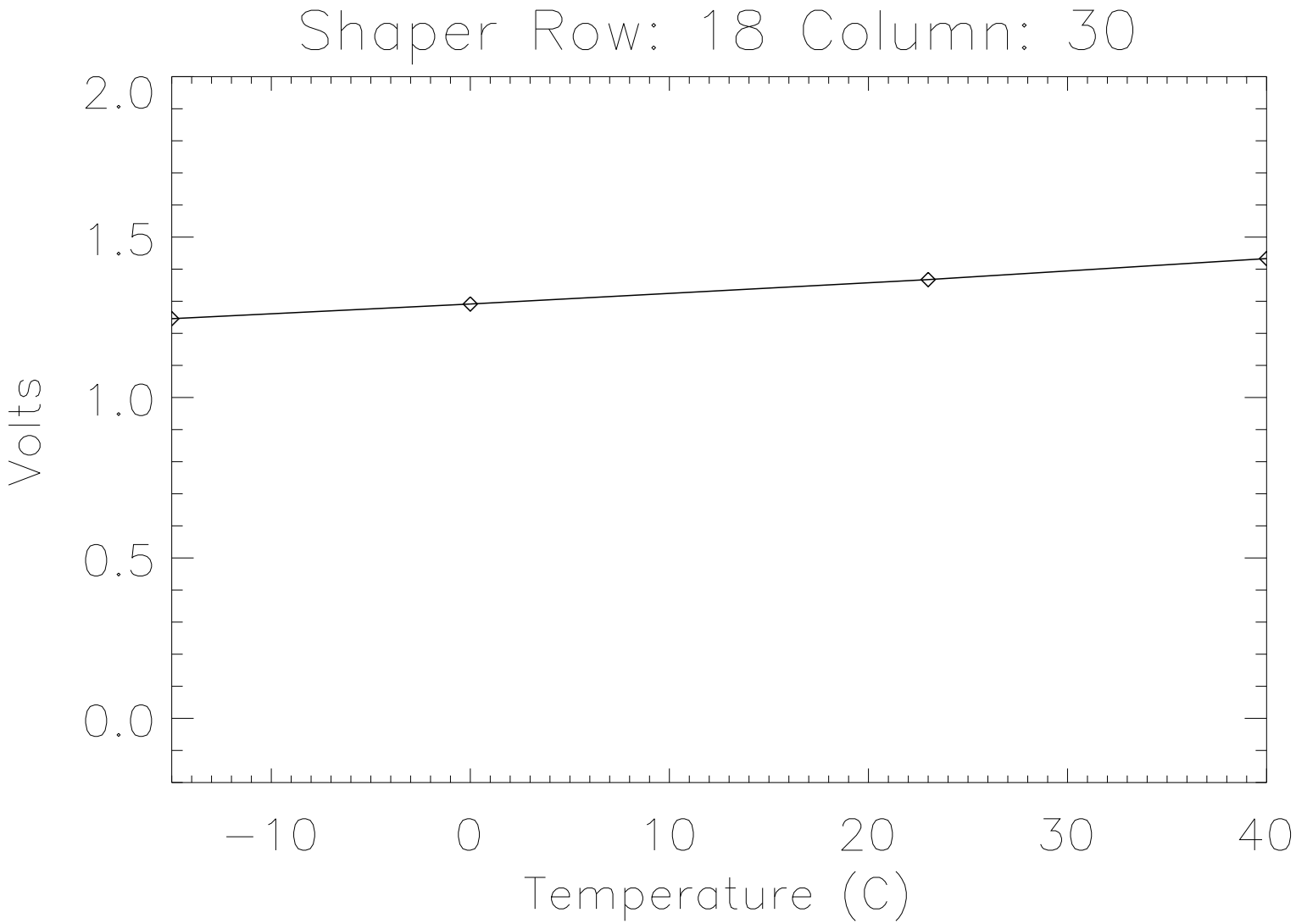
20
30
40
Temperature (C)


Shaper Row: 18 Column: 30
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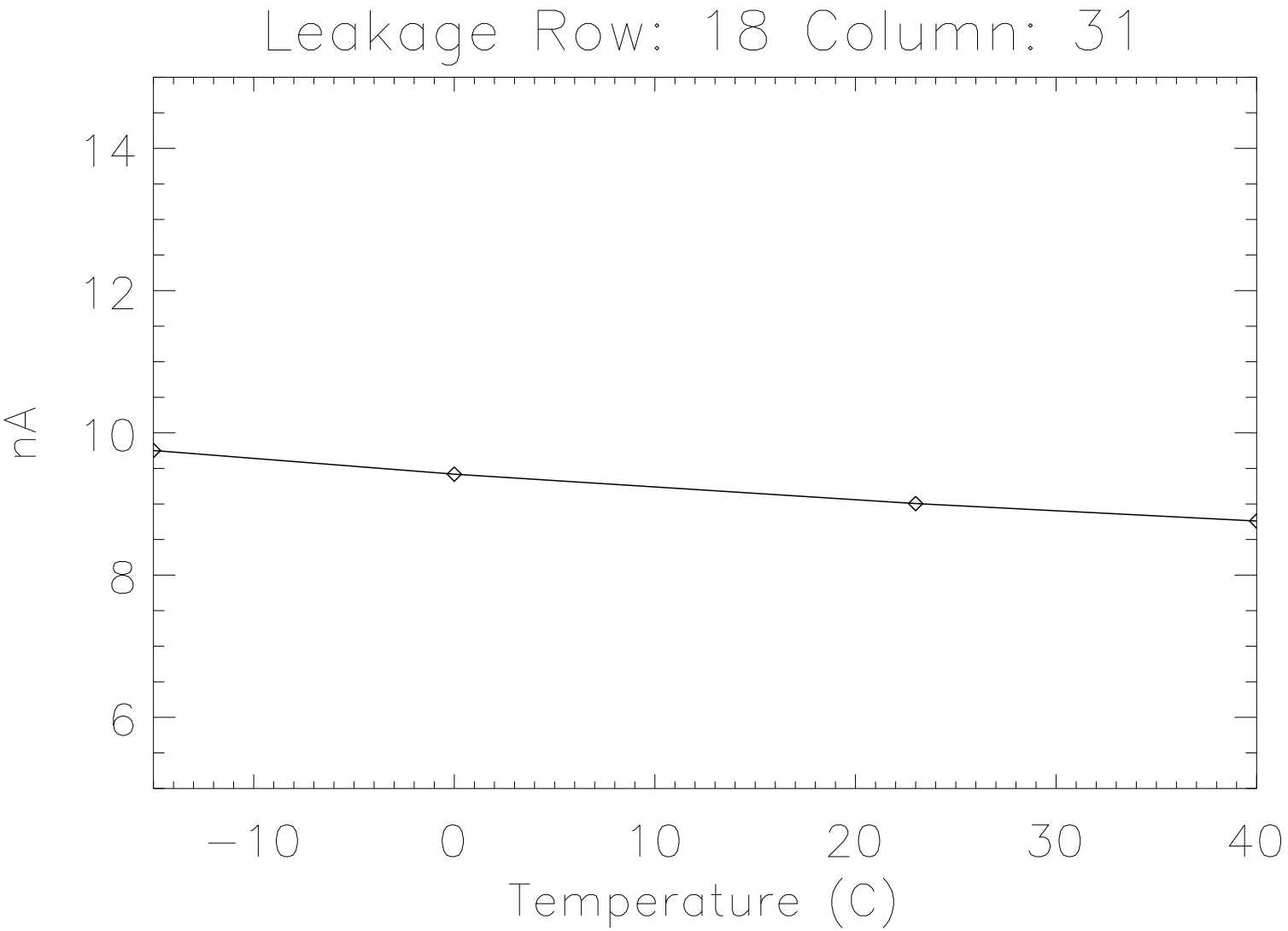
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 18 Column: 31
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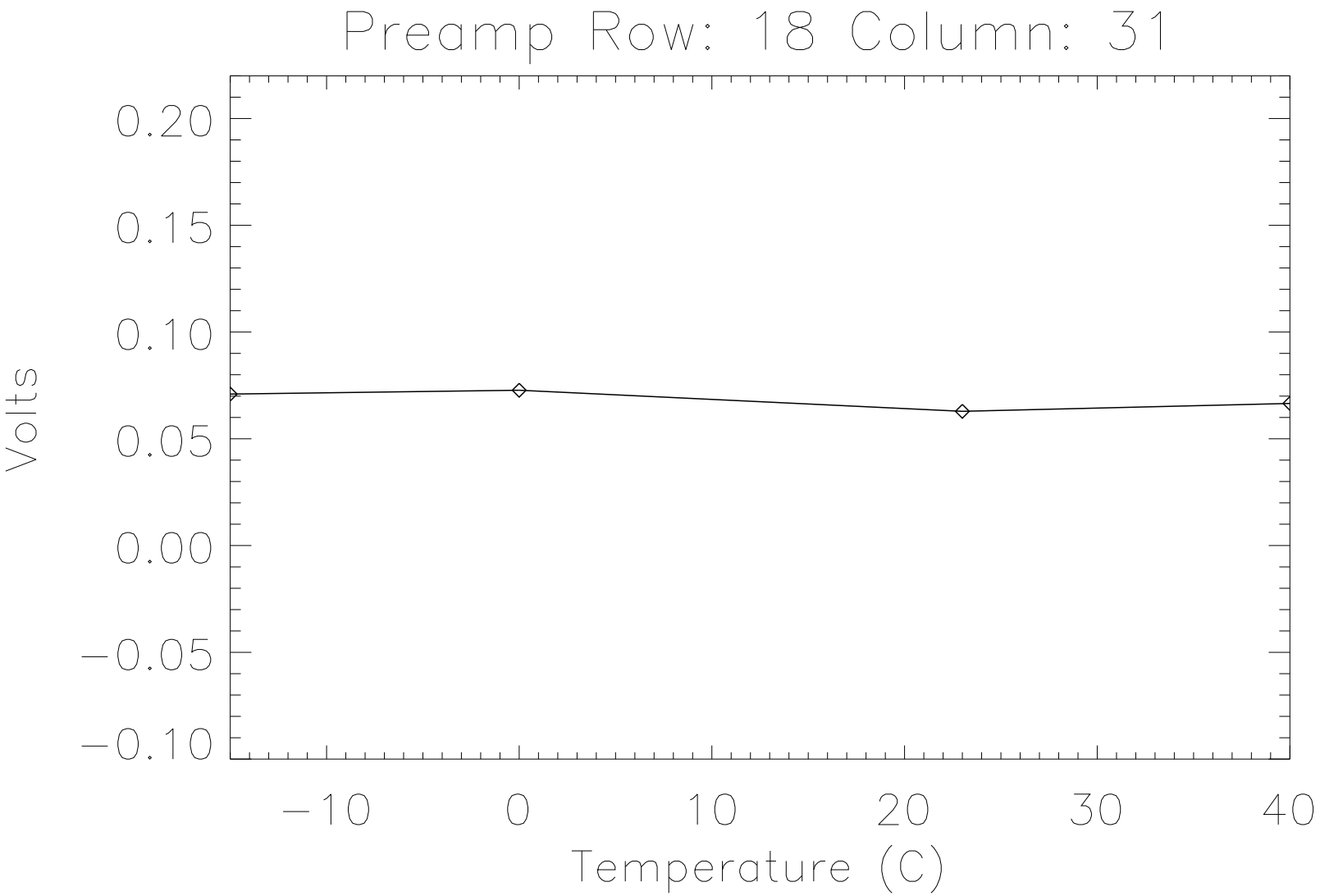
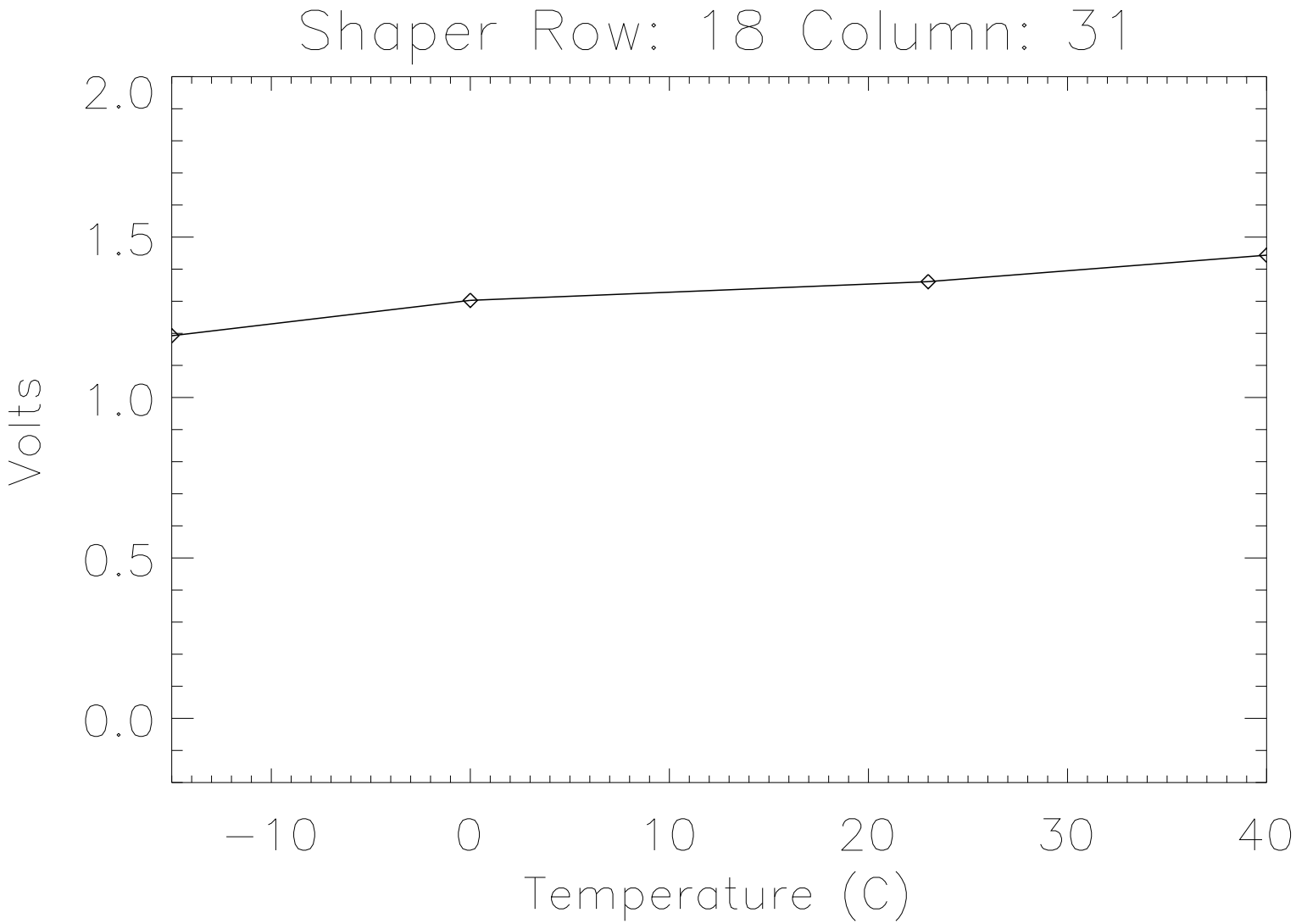
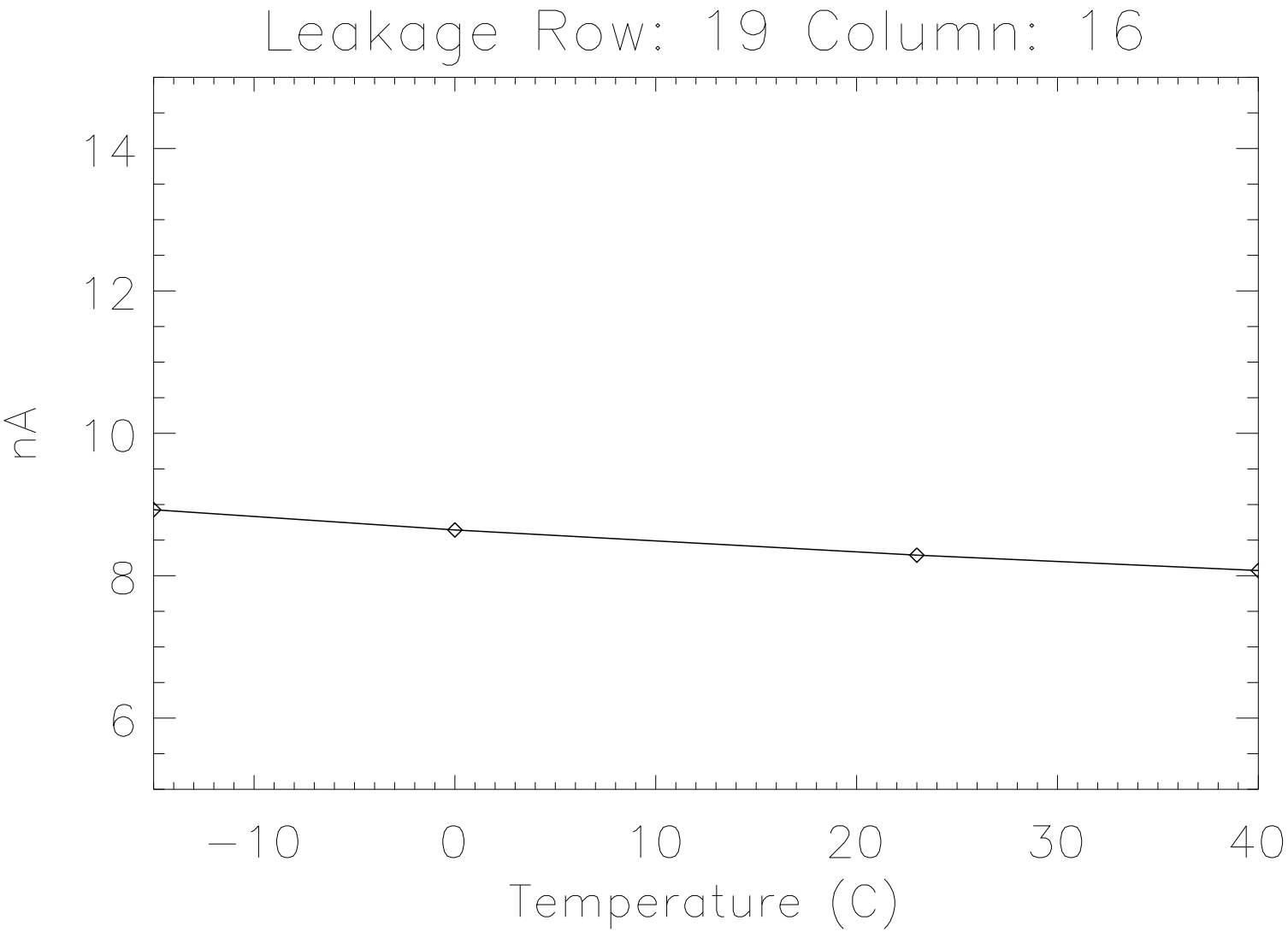
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 18 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 18 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 19 Column: 16
nA
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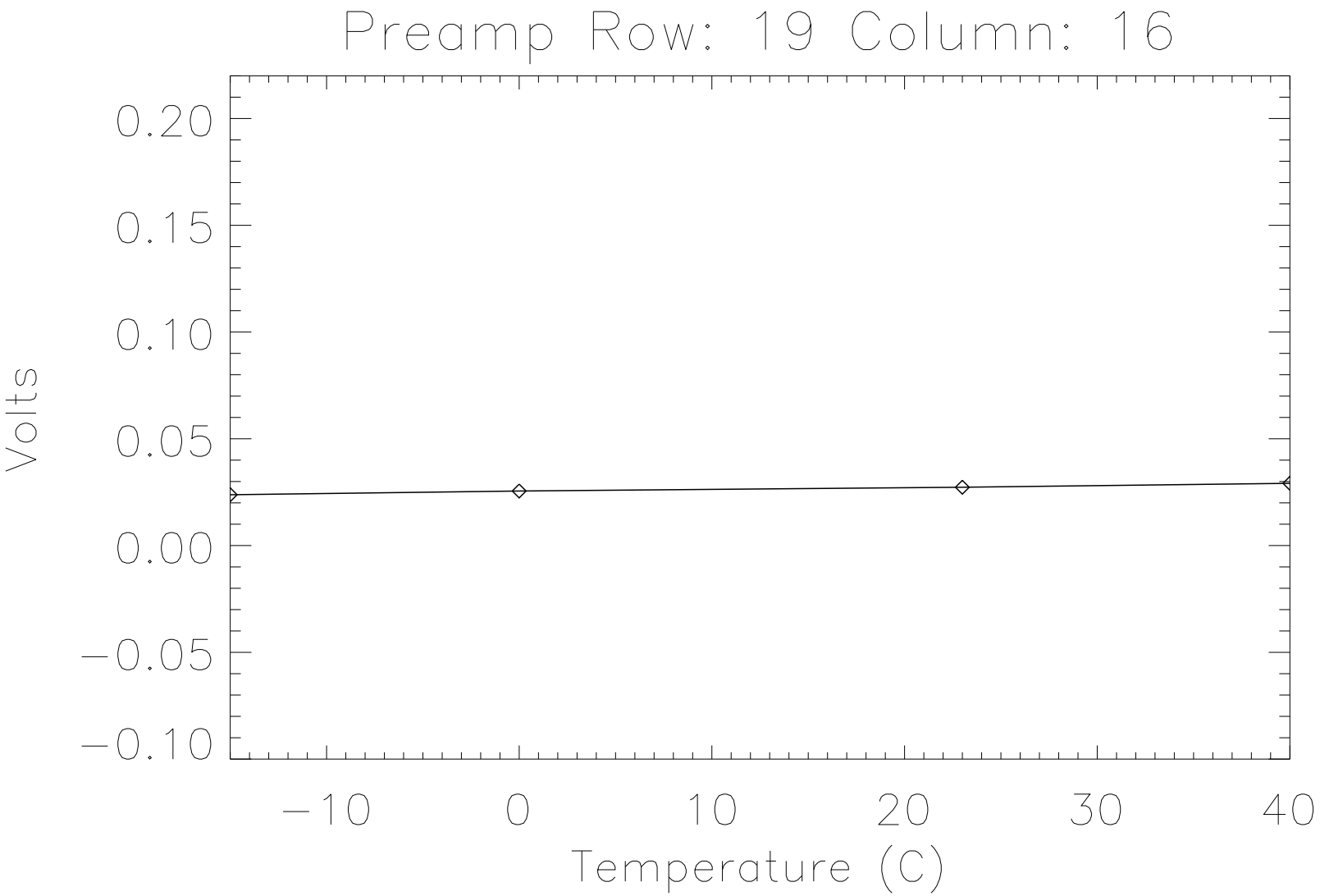
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 19 Column: 16
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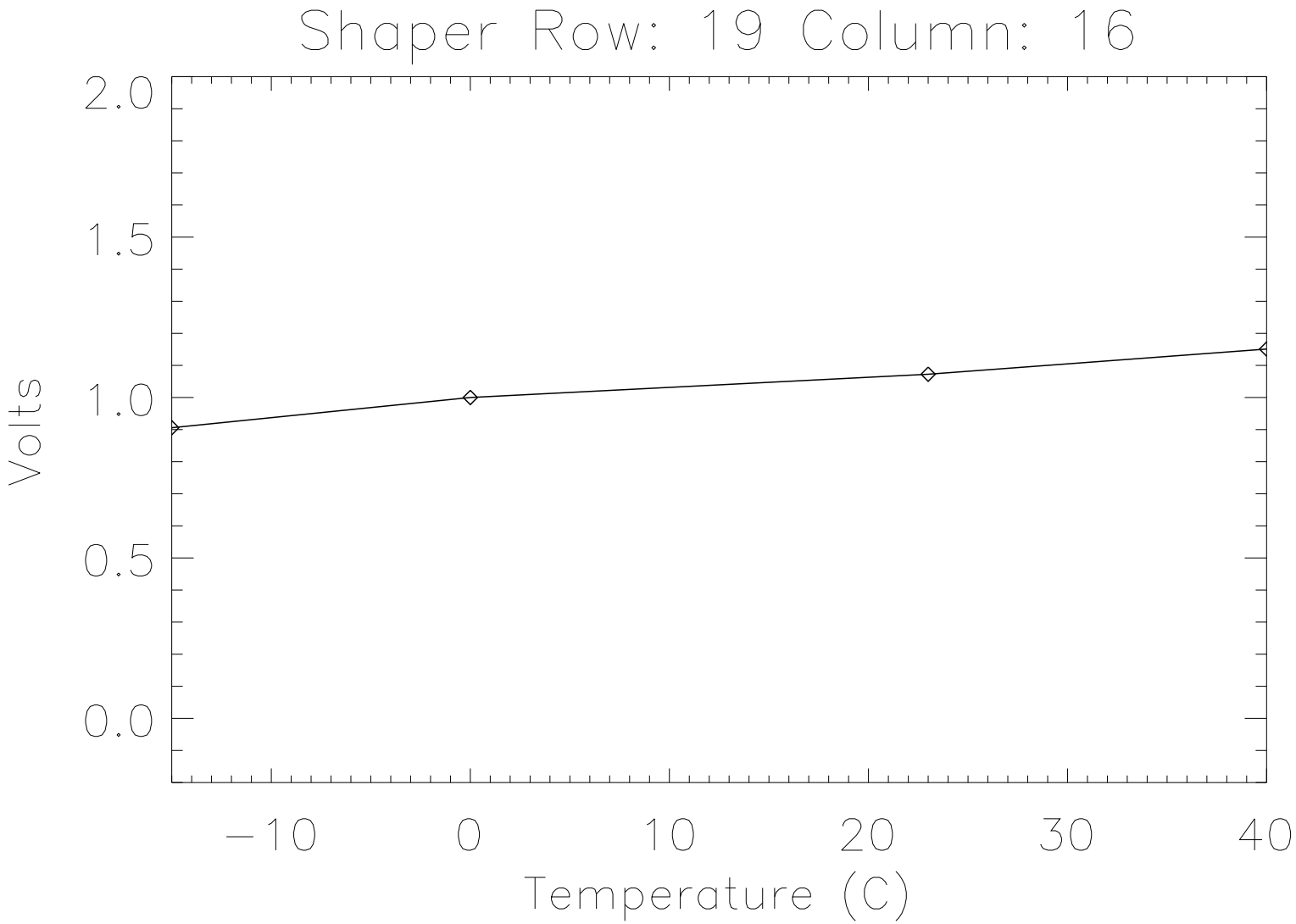
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 19 Column: 16
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1.5
1.0
0.5
0.0
Volts
−10
0
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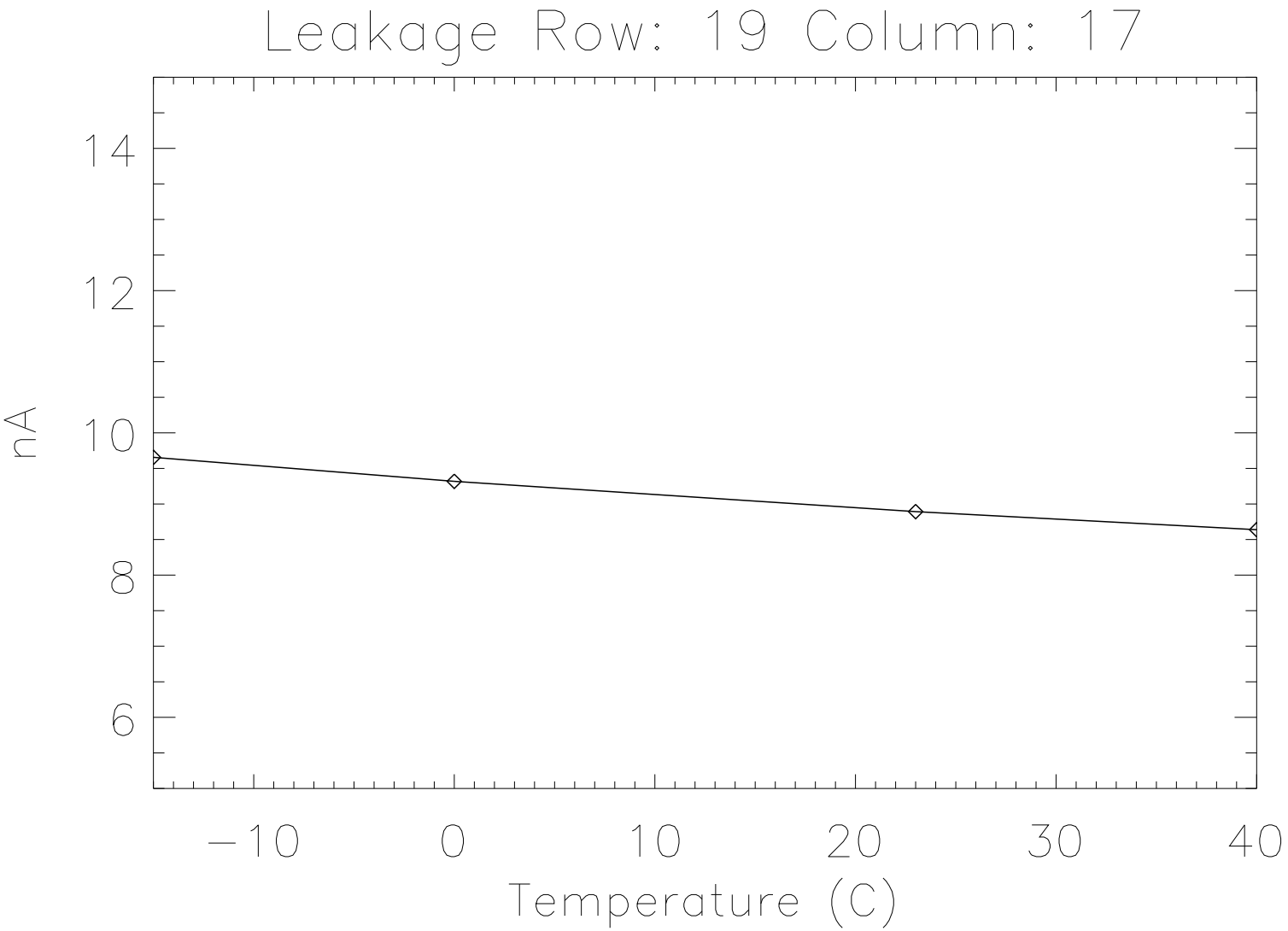
20
30
40
Temperature (C)


Leakage Row: 19 Column: 17
nA
14
12
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8
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−10
0
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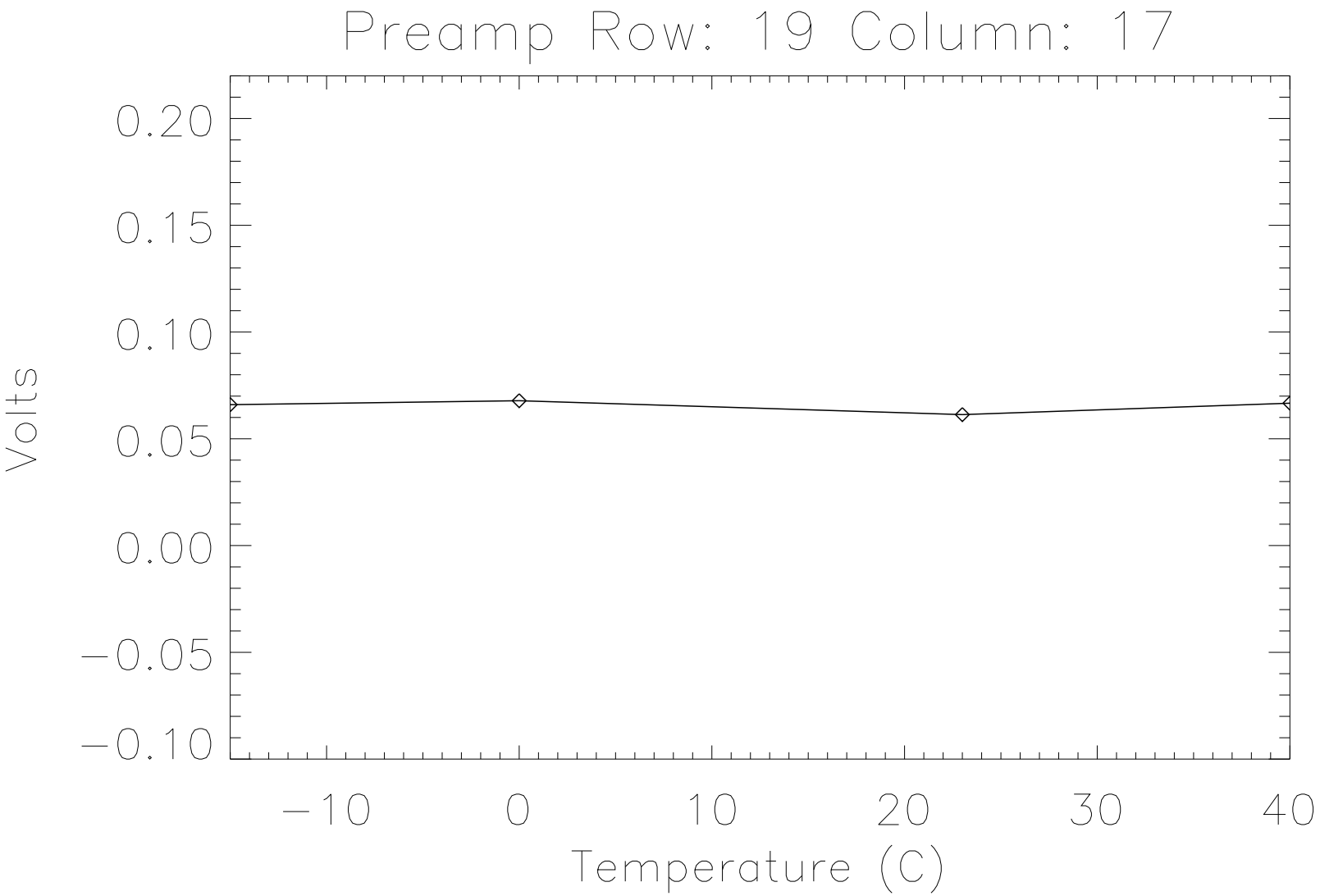
20
30
40
Temperature (C)


Preamp Row: 19 Column: 17
0.20
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0.00
−0.05
−0.10
Volts
−10
0
10
20
30
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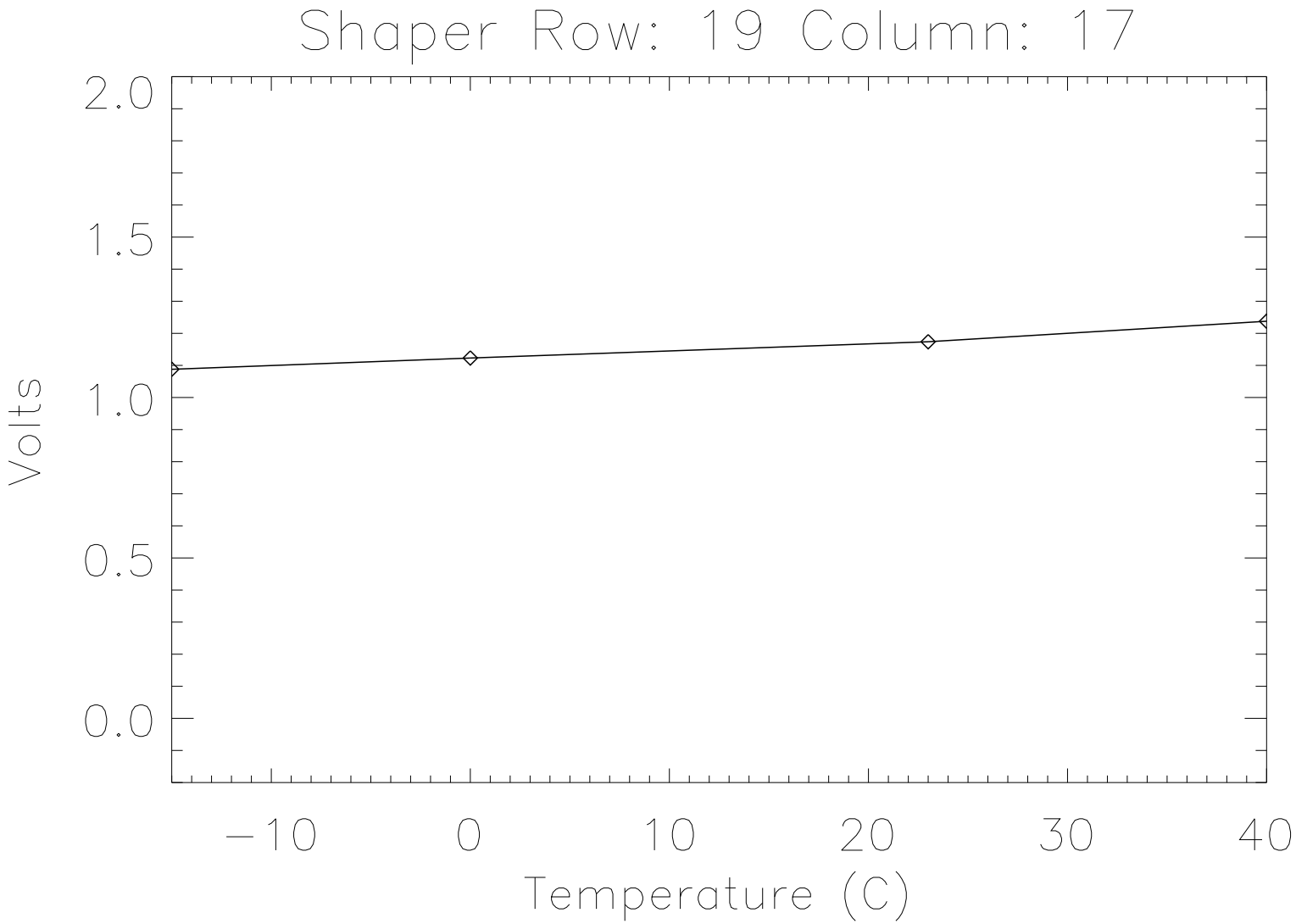
Temperature (C)


Shaper Row: 19 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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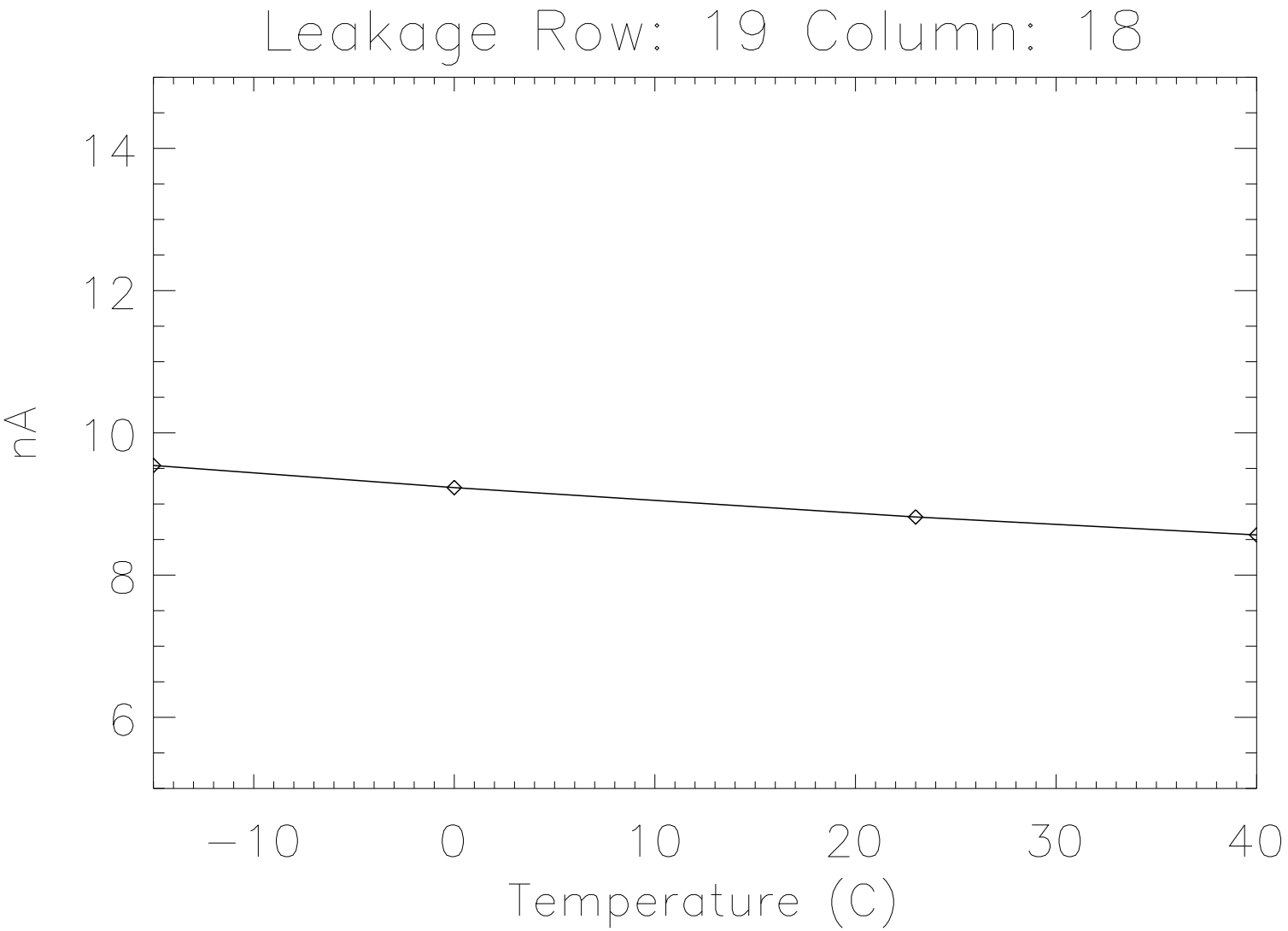
20
30
40
Temperature (C)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nA
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8
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30
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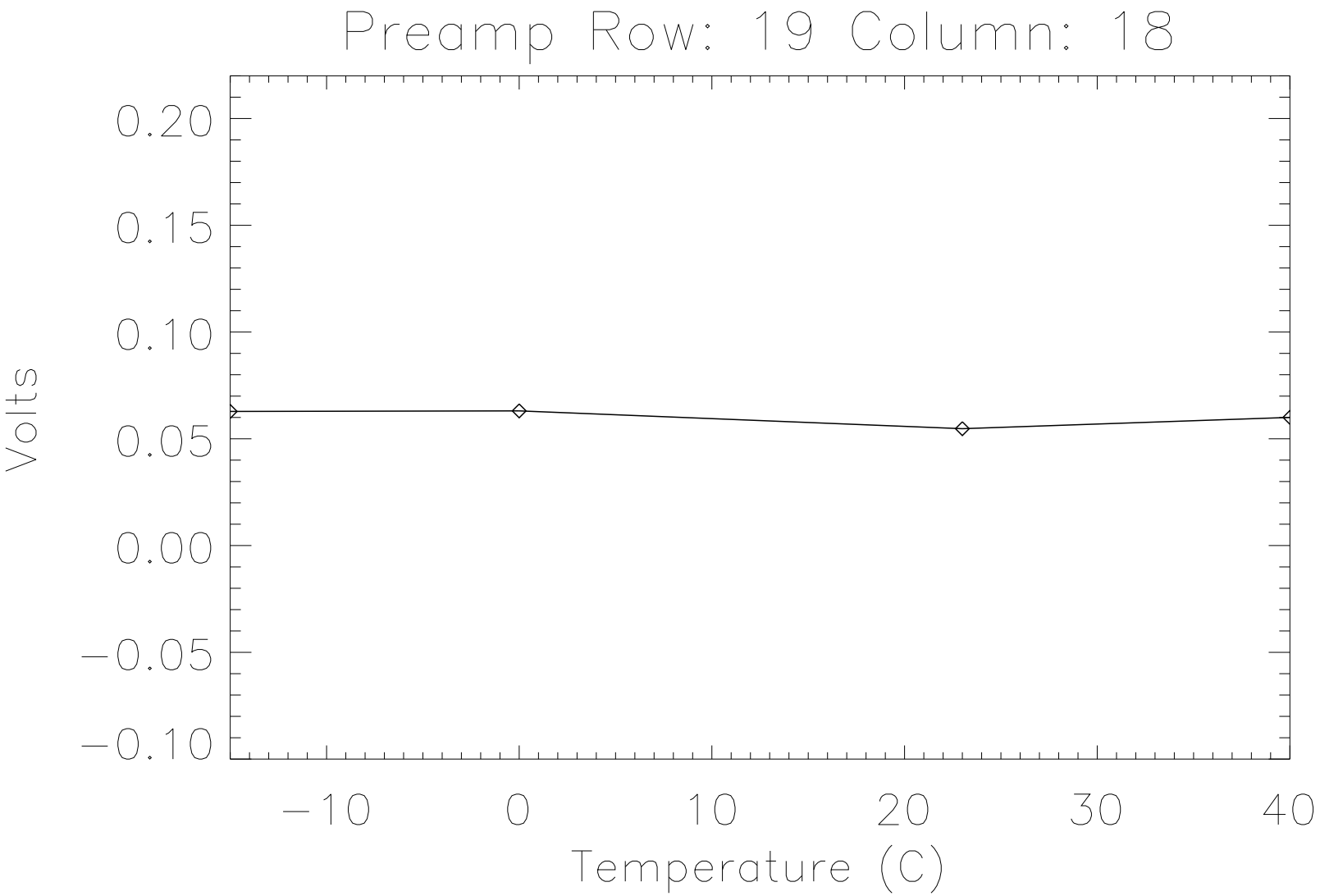
Temperature (C)


Preamp Row: 19 Column: 18
0.20
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−0.10
Volts
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0
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30
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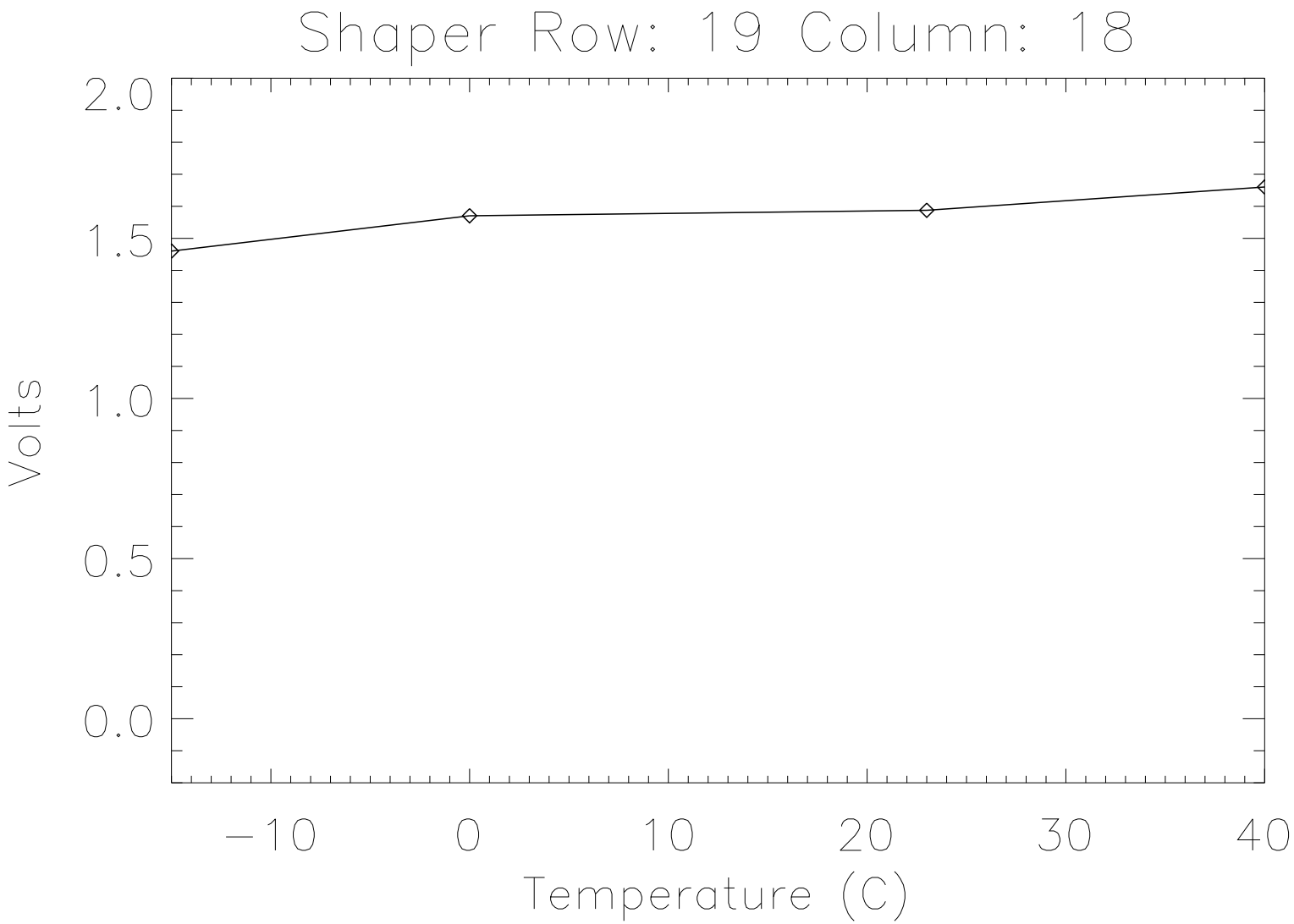
Temperature (C)


Shaper Row: 19 Column: 18
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1.0
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0.0
Volts
−10
0
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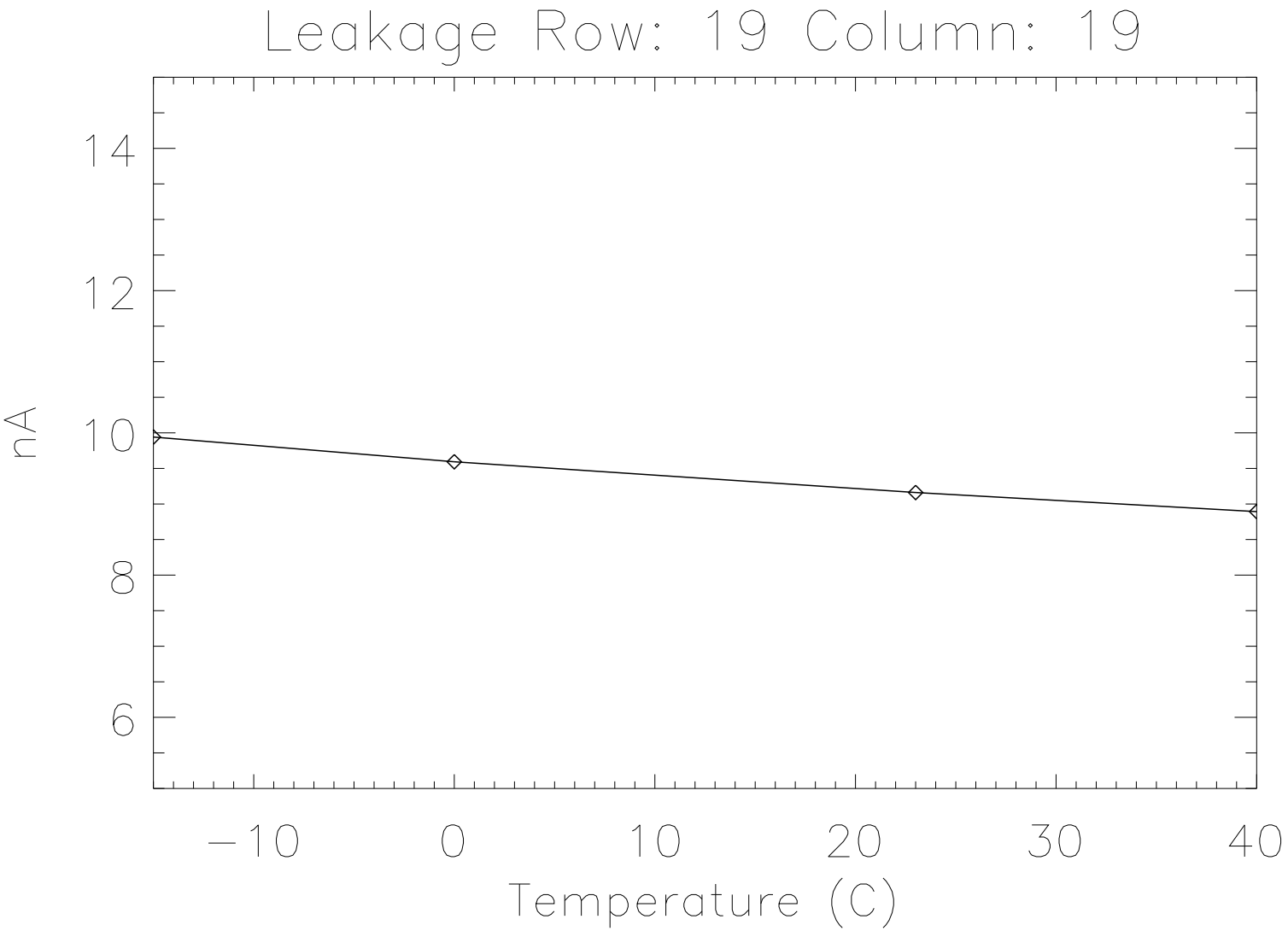
30
40
Temperature (C)


Leakage Row: 19 Column: 19
nA
14
12
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8
6
−10
0
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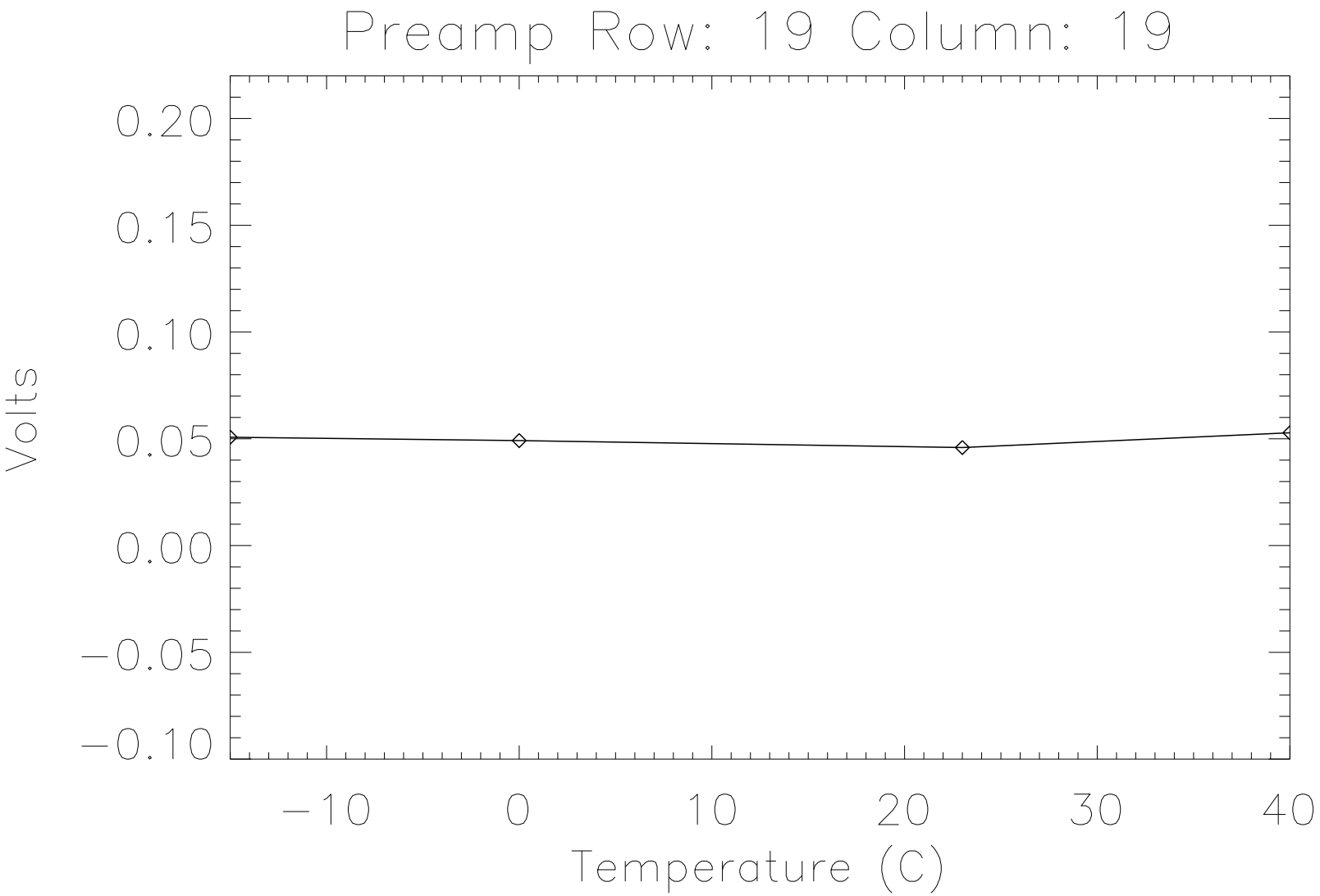
20
30
40
Temperature (C)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Volts
−10
0
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30
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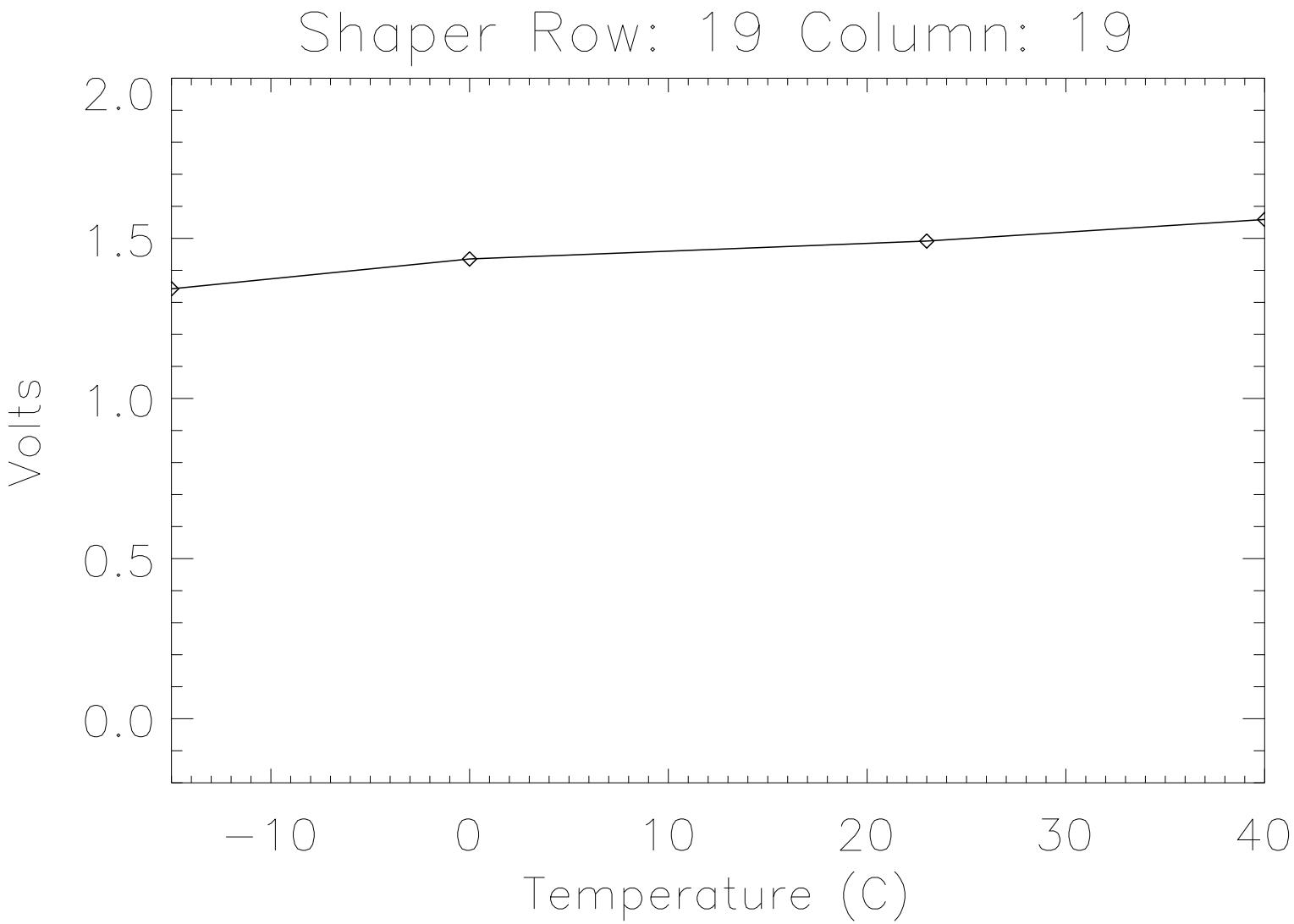
Temperature (C)


Shaper Row: 19 Column: 19
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1.5
1.0
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0.0
Volts
−10
0
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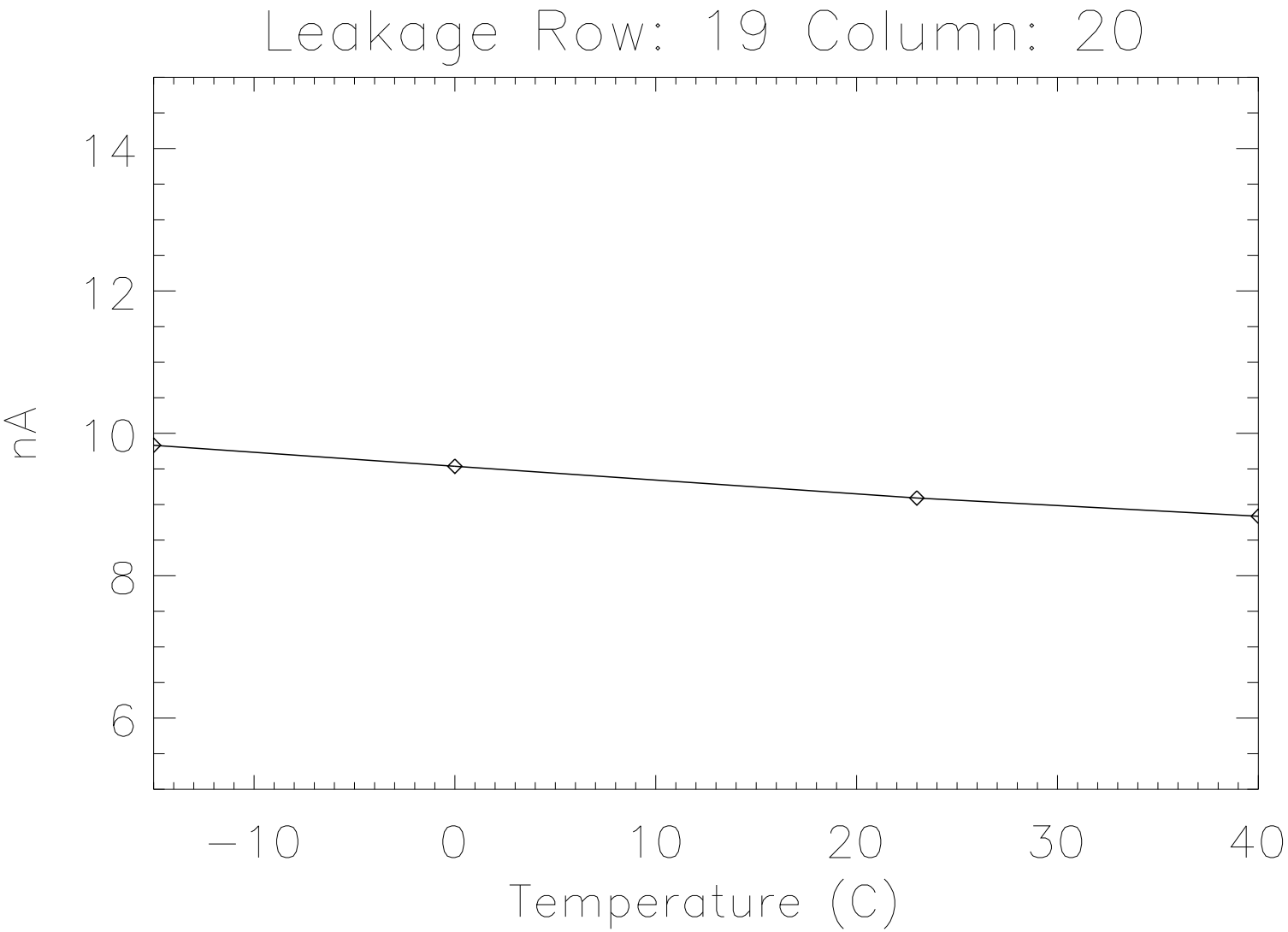
20
30
40
Temperature (C)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nA
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8
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−10
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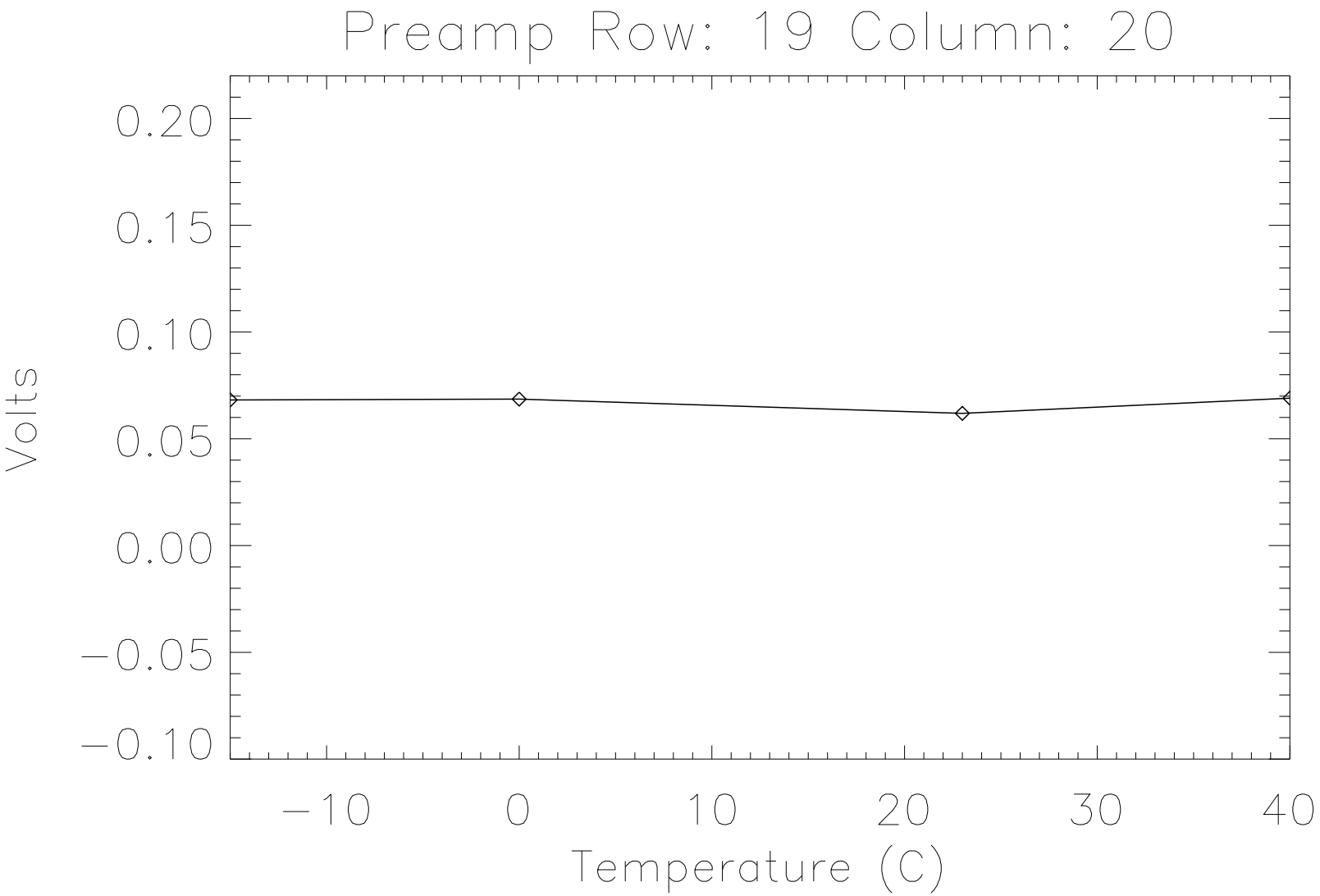
20
30
40
Temperature (C)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0.20
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0.10
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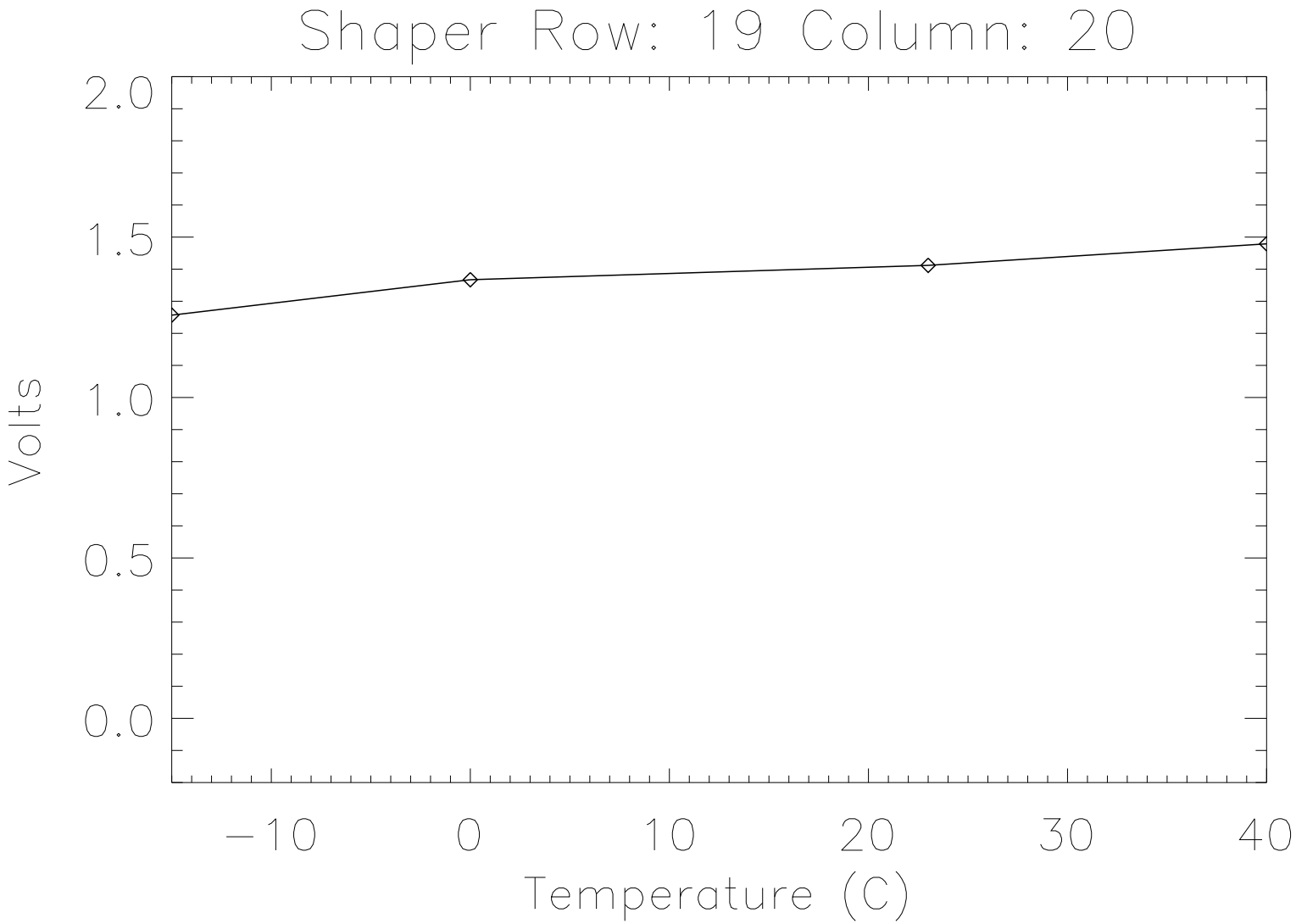
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 19 Column: 20
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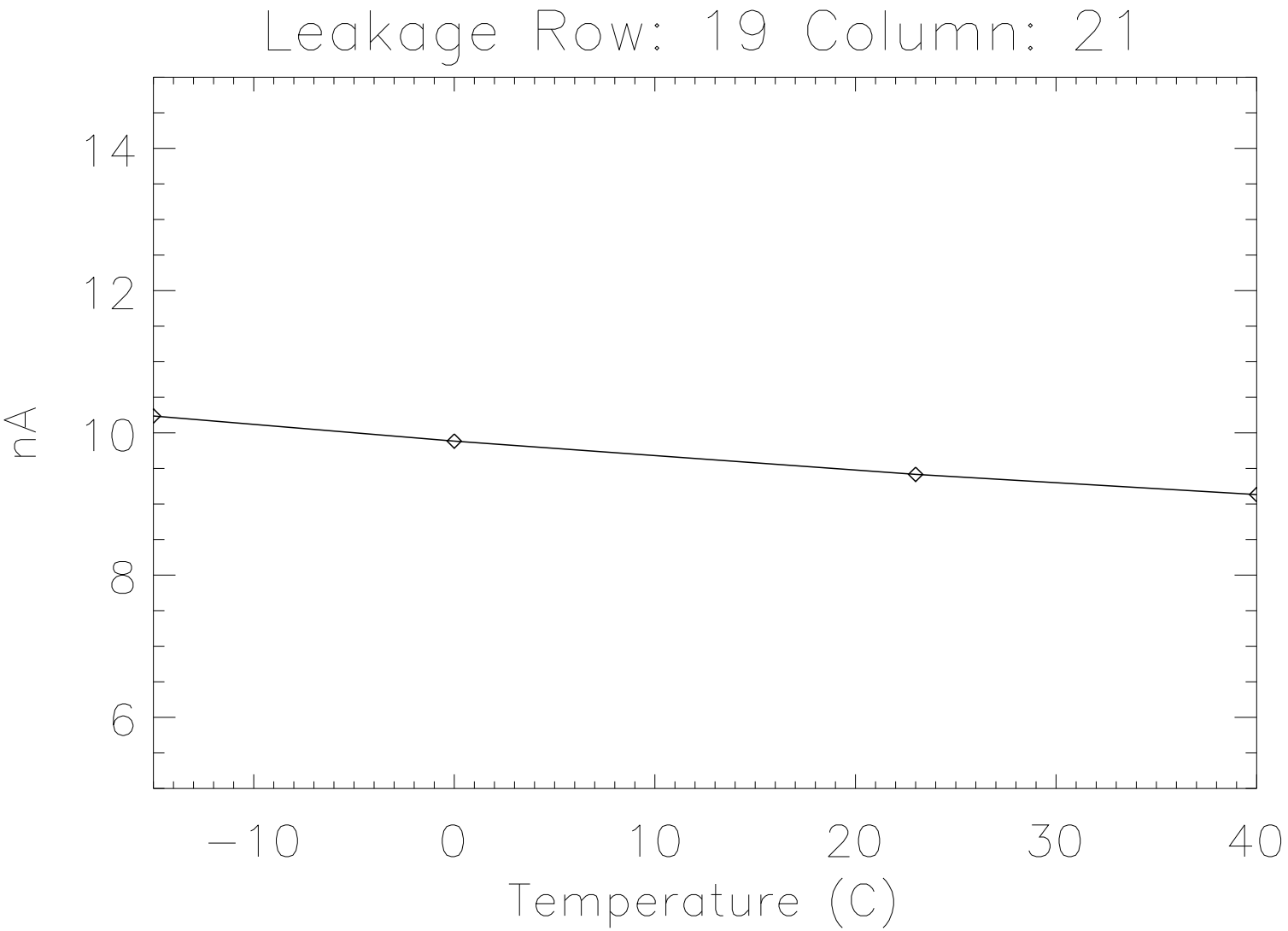
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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8
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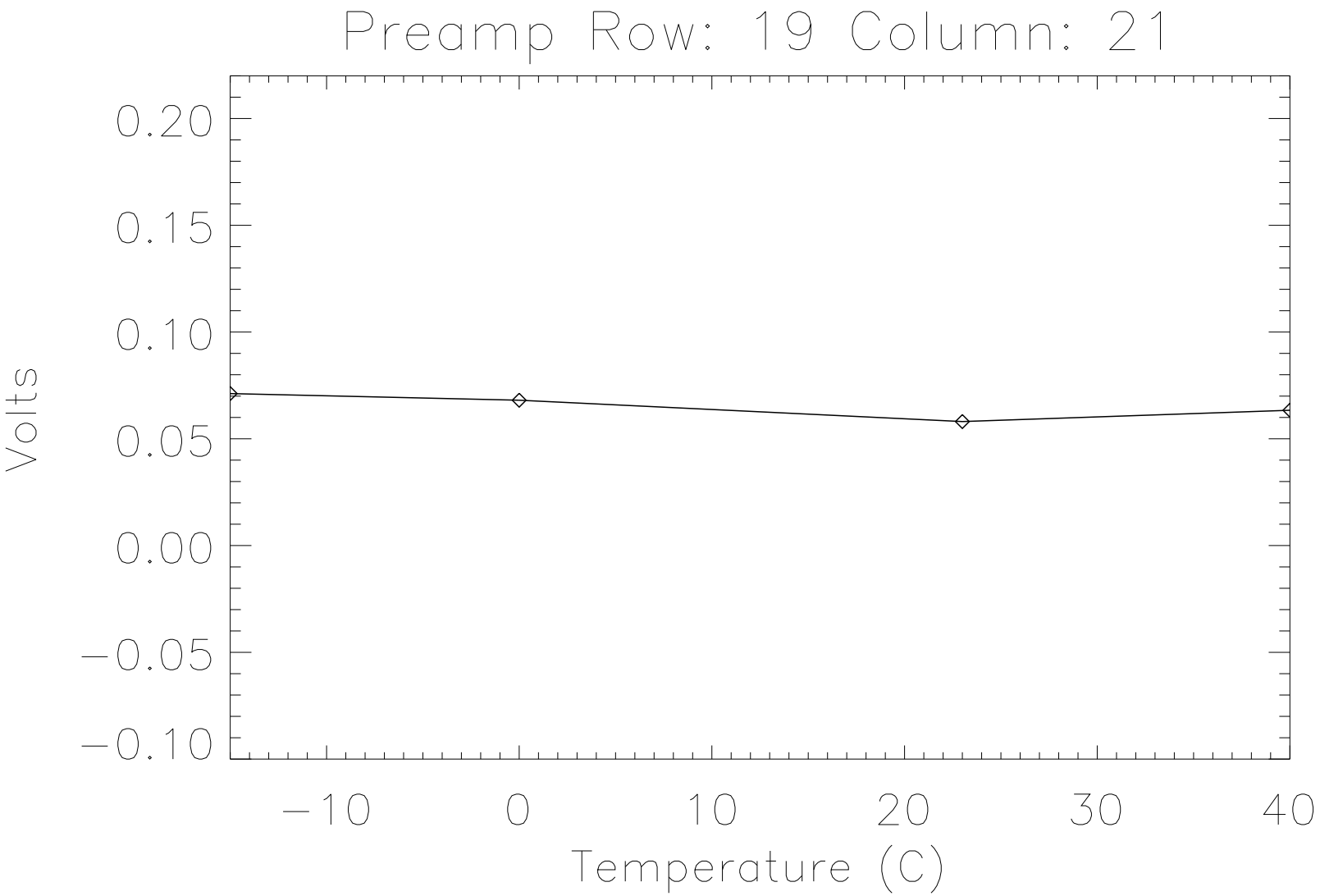
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 19 Column: 21
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0.10
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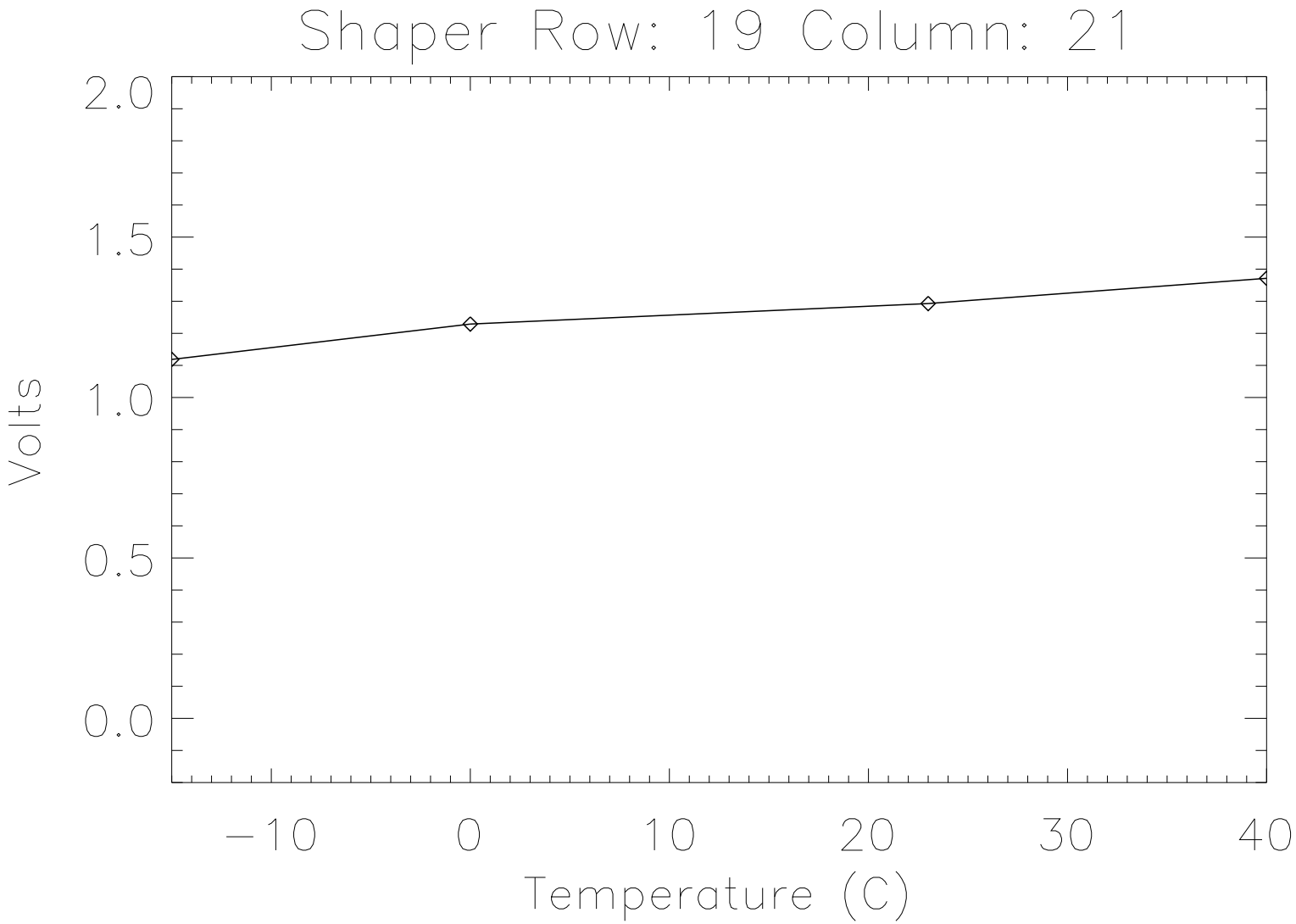
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 19 Column: 21
2.0
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1.0
0.5
0.0
Volts
−10
0
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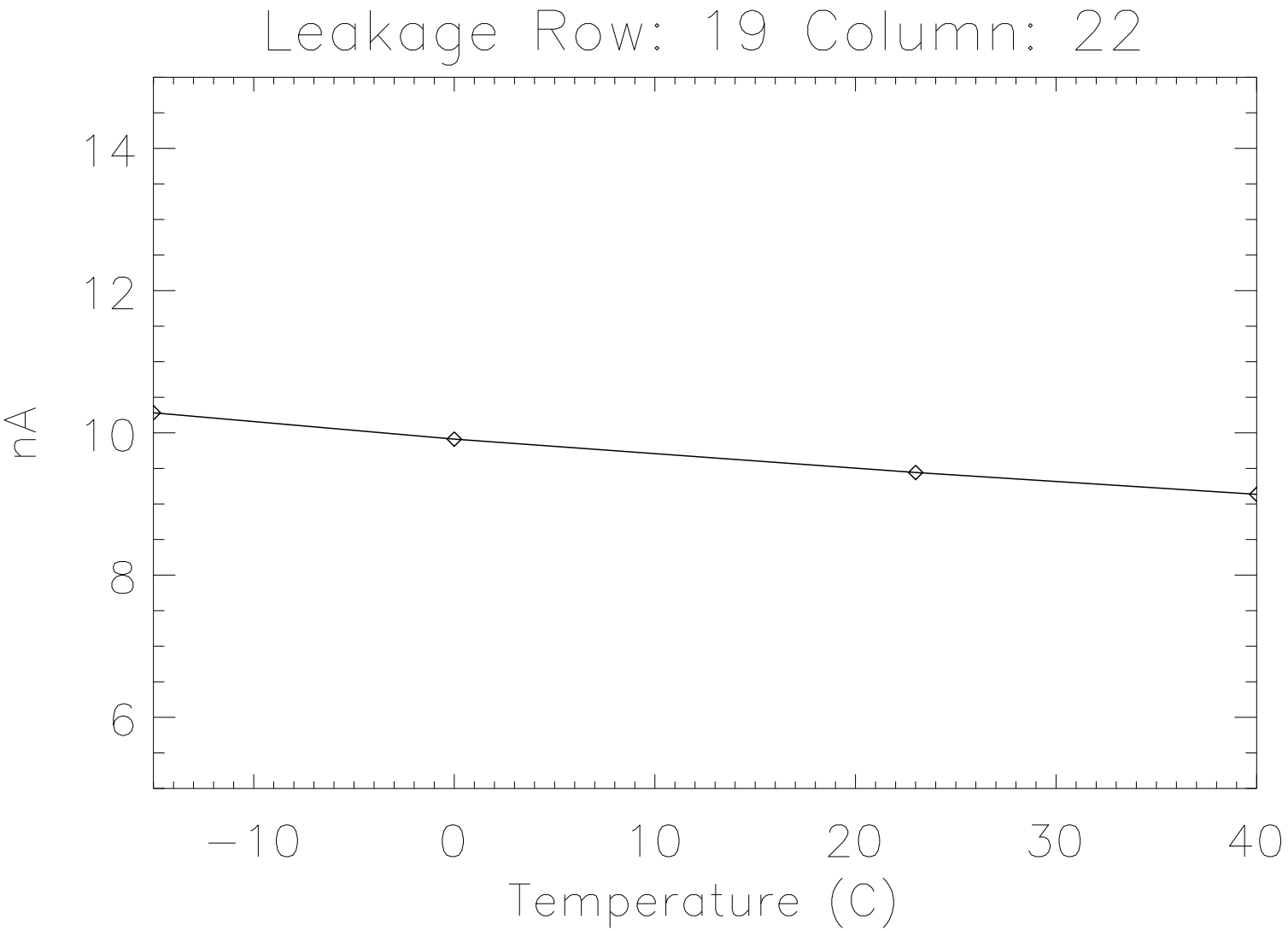
20
30
40
Temperature (C)


Leakage Row: 19 Column: 22
nA
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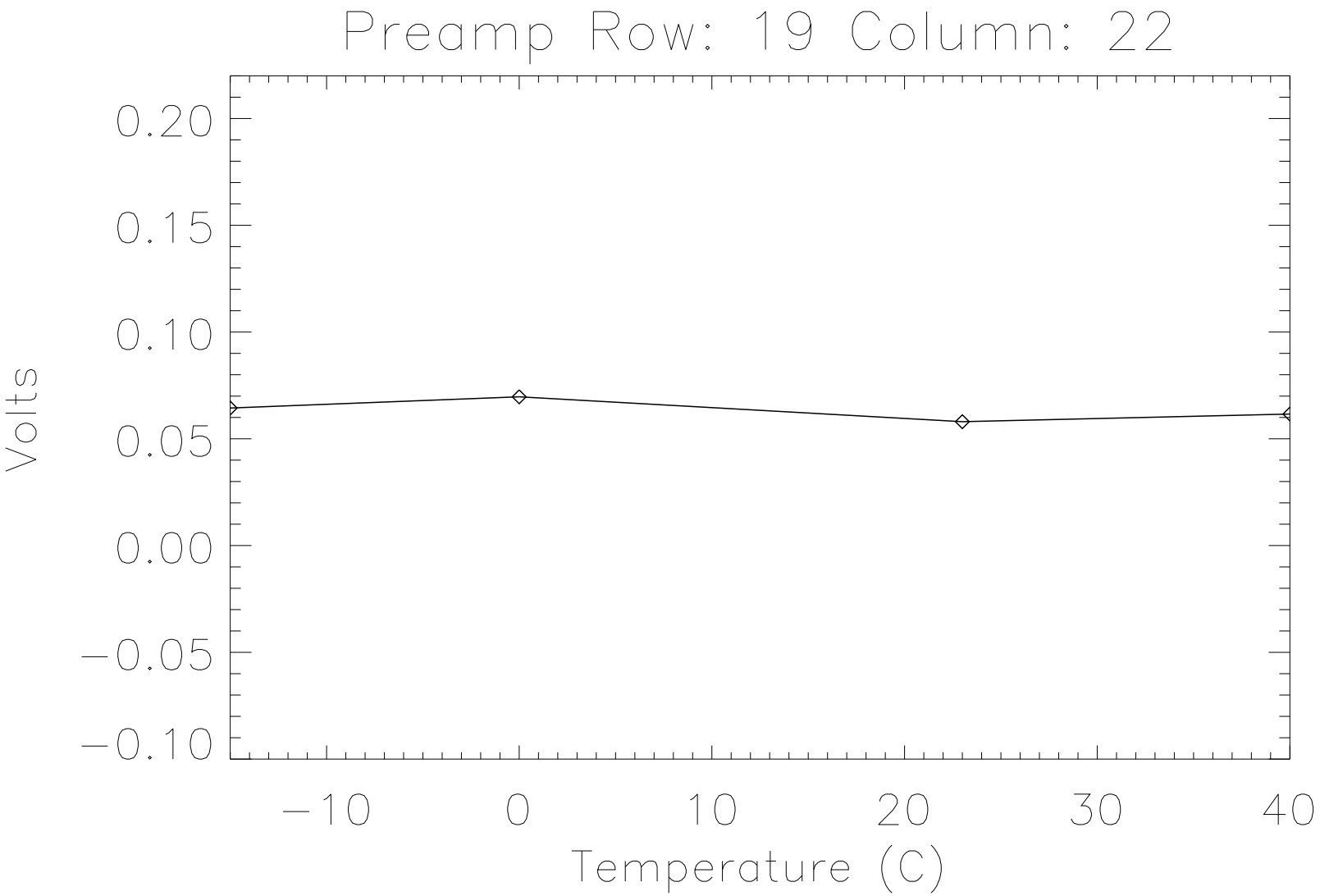
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 19 Column: 22
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0.10
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0.00
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Volts
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0
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30
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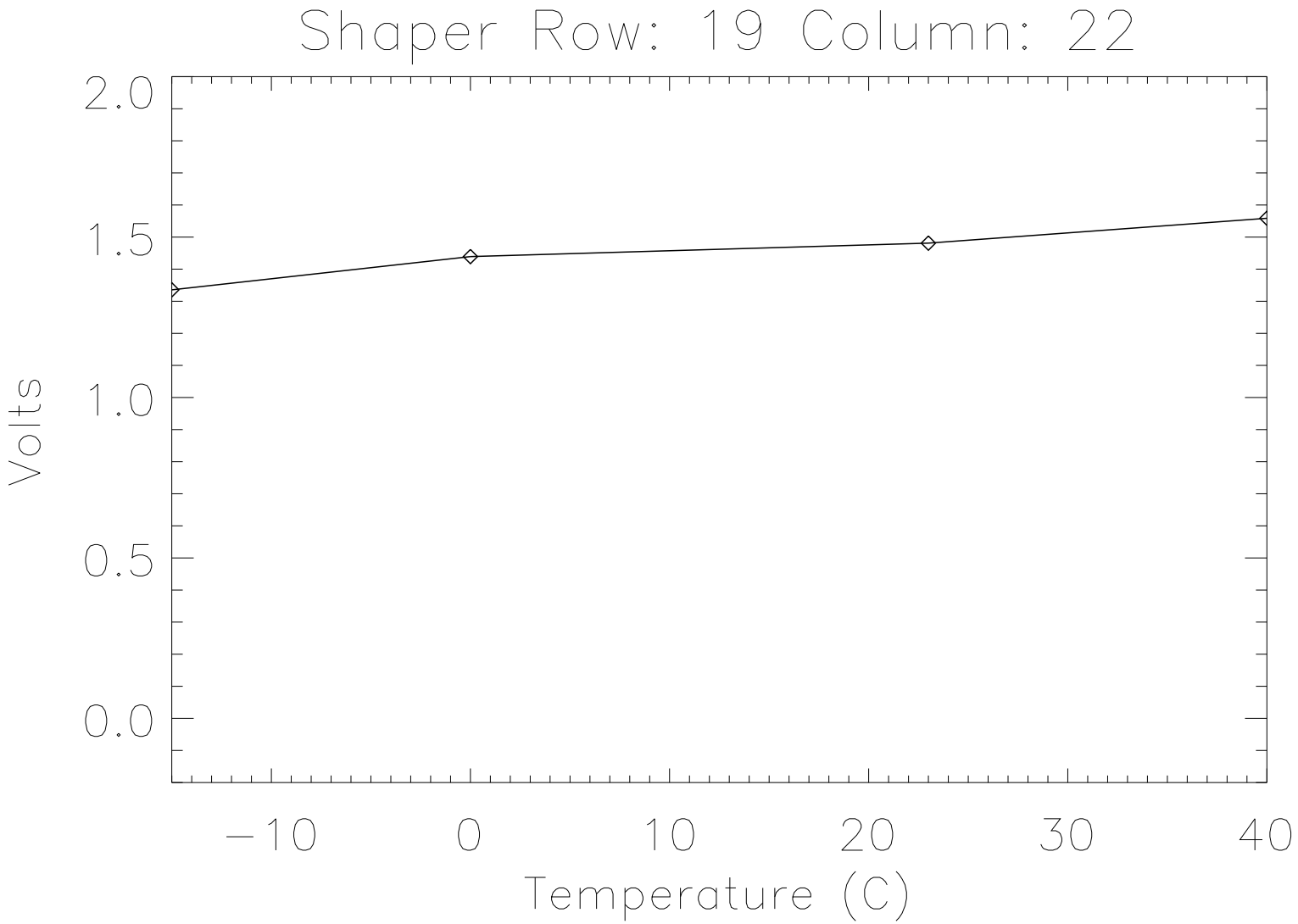
Temperature (C)


Shaper Row: 19 Column: 22
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1.0
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0.0
Volts
−10
0
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30
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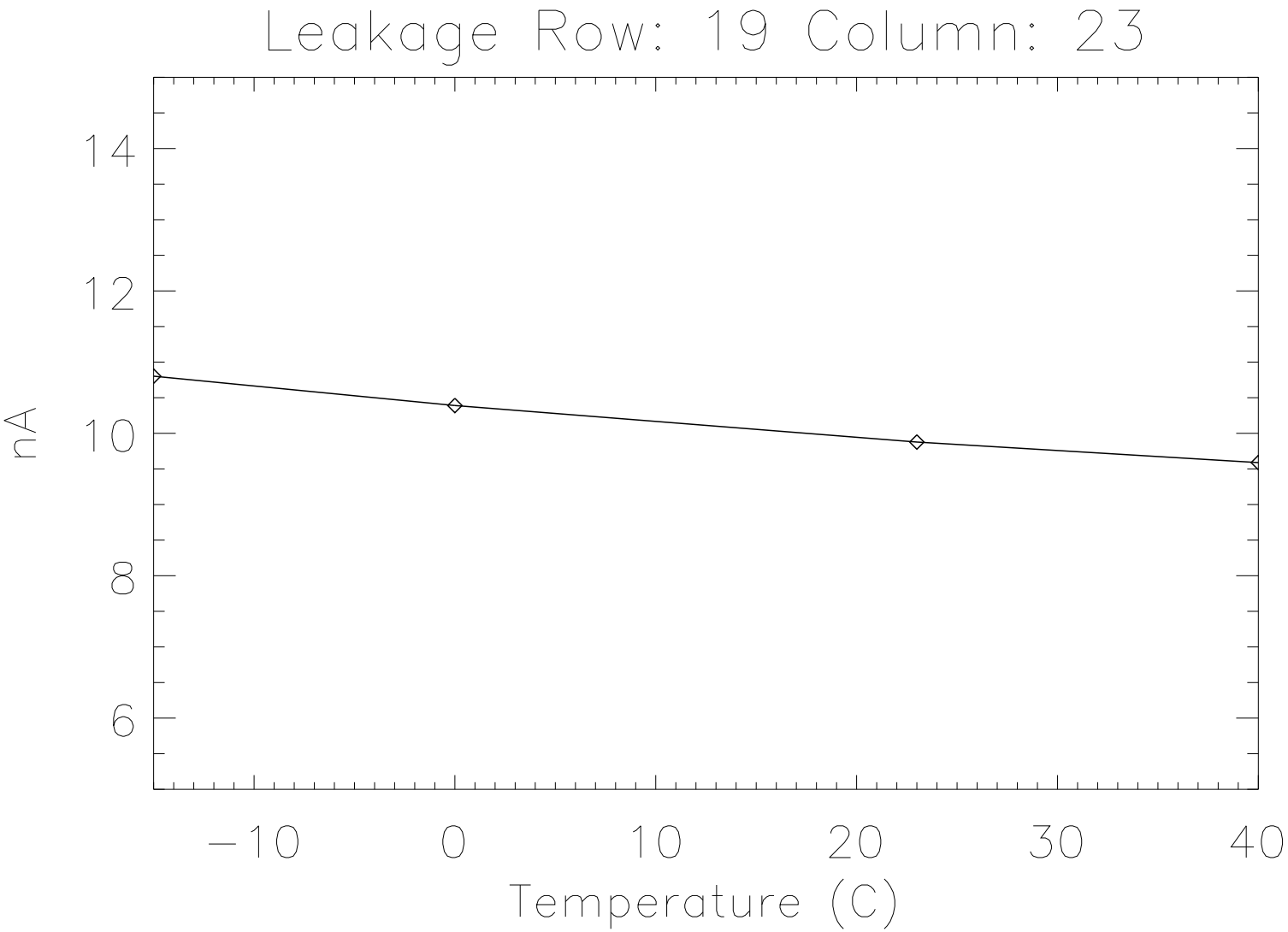
Temperature (C)


Leakage Row: 19 Column: 23
14
12
10
8
6
nA
−10
0
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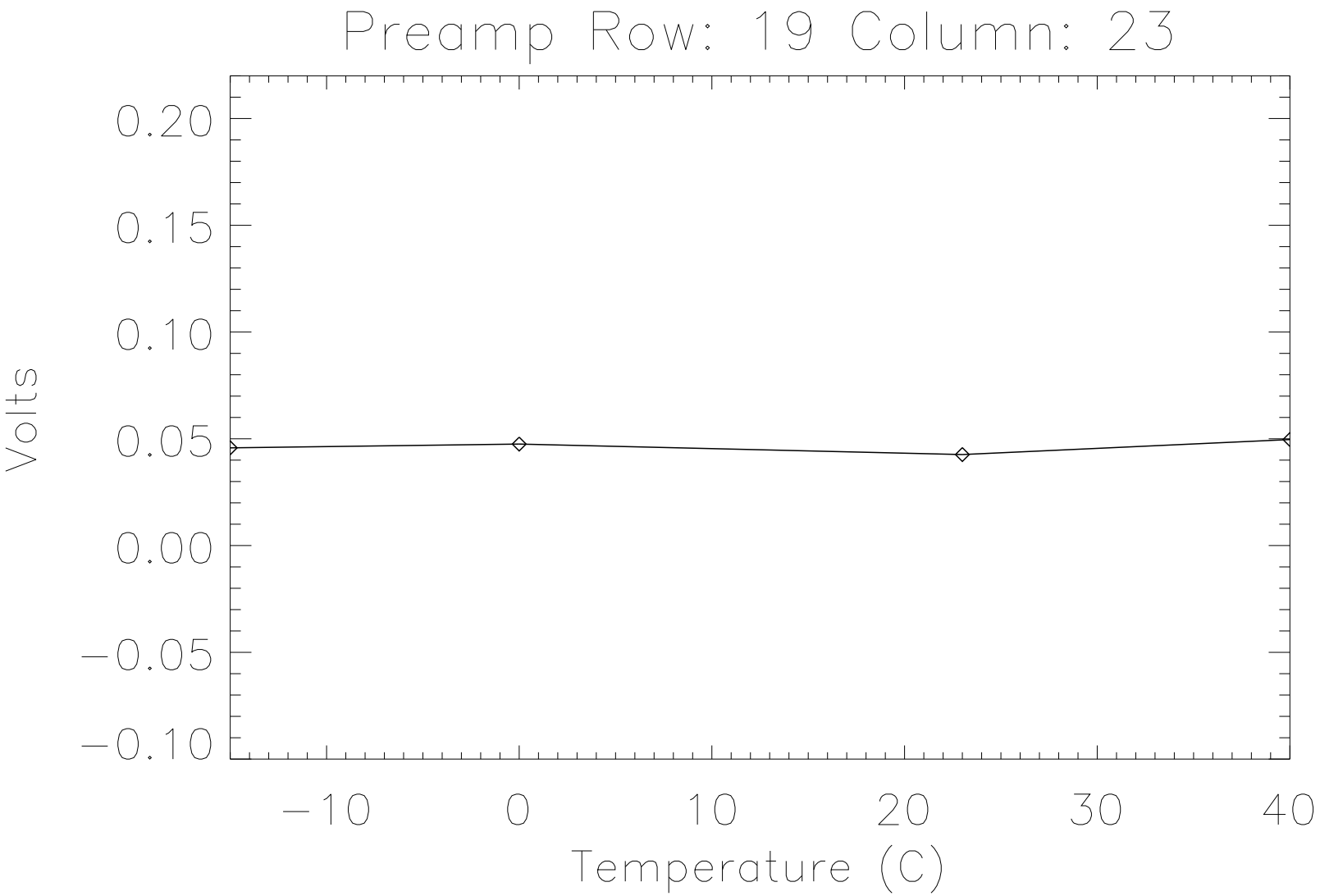
30
40
Temperature (C)


Preamp Row: 19 Column: 23
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0.00
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−0.10
Volts
−10
0
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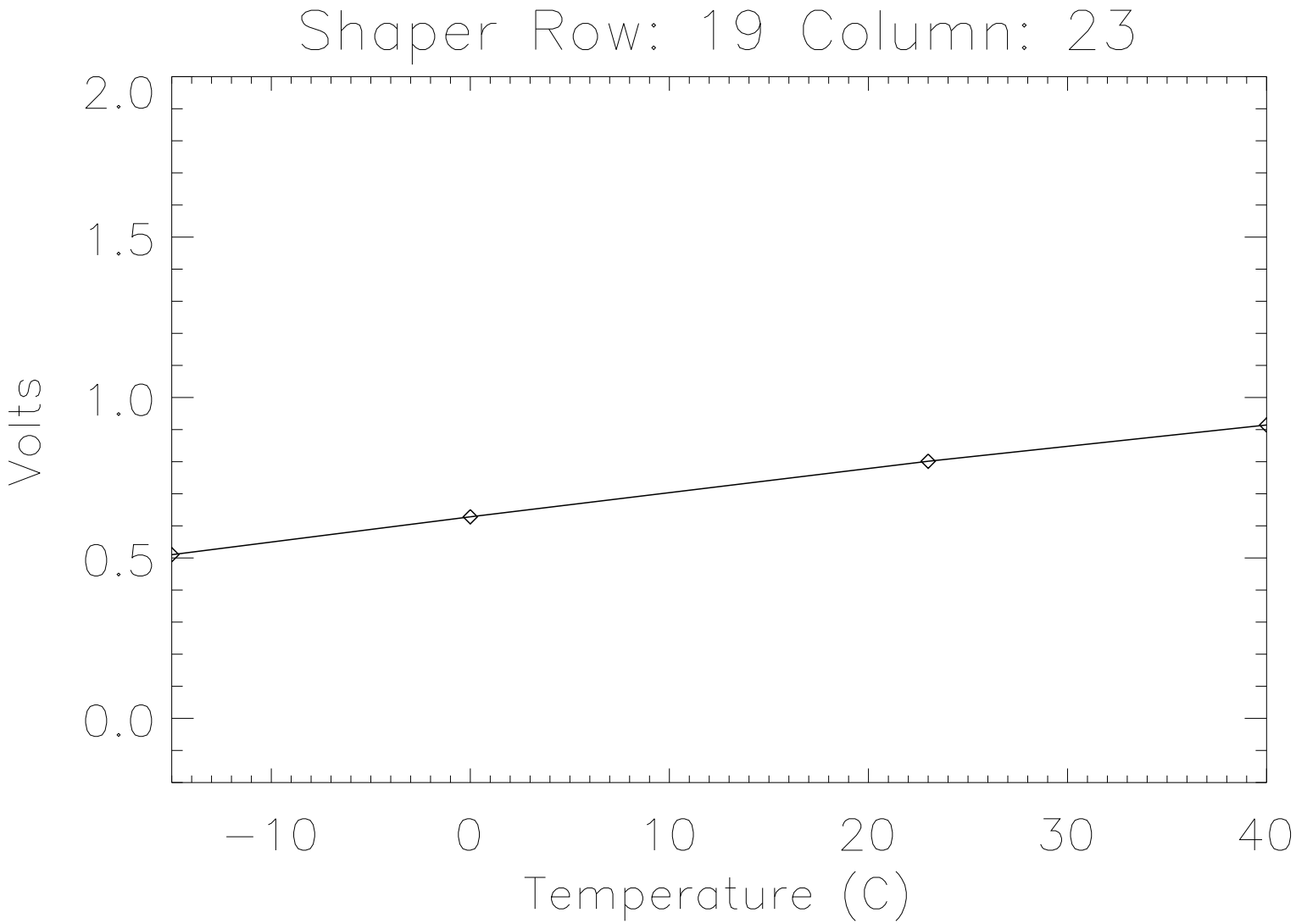
30
40
Temperature (C)


Shaper Row: 19 Column: 23
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1.0
0.5
0.0
Volts
−10
0
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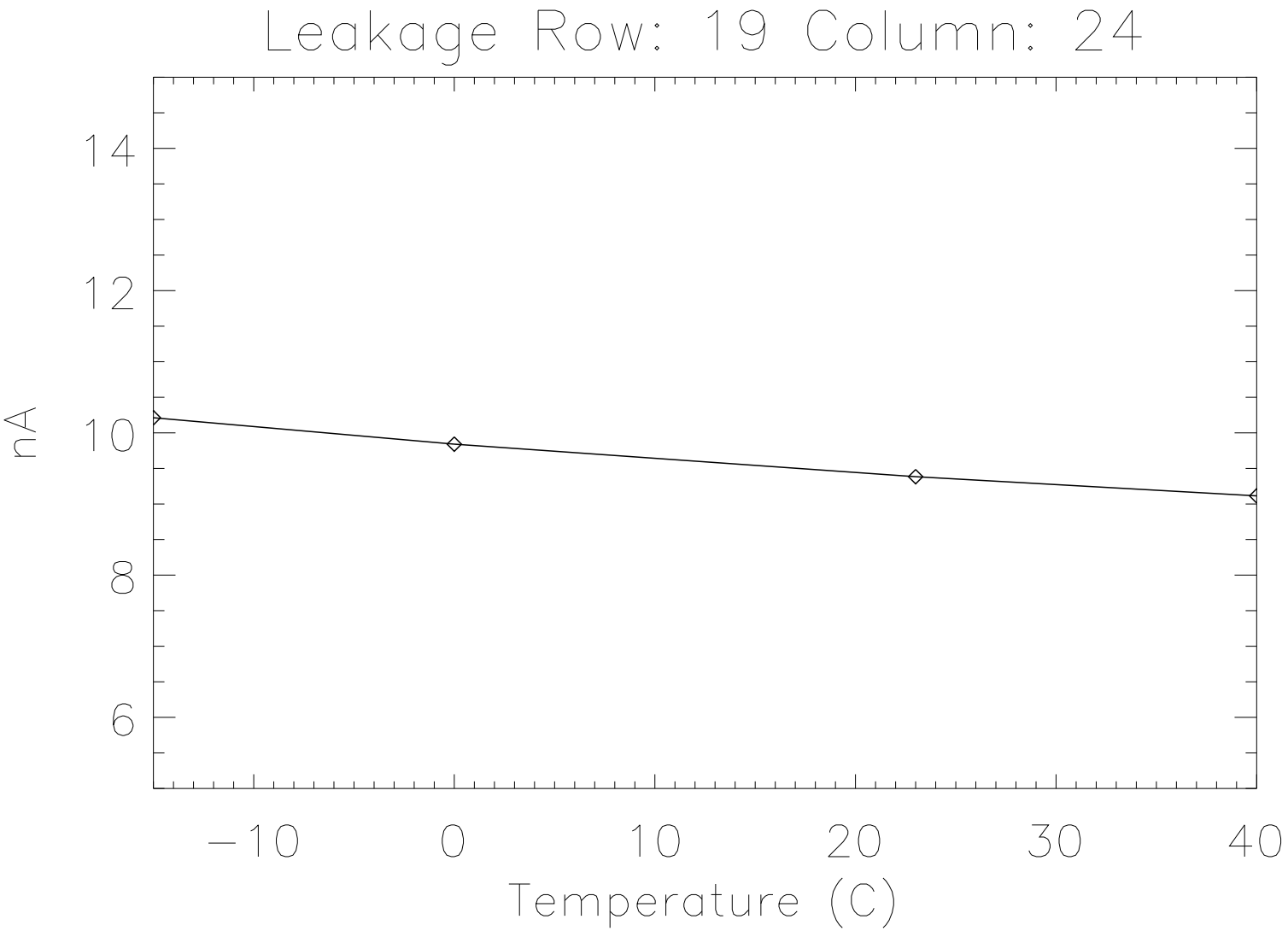
20
30
40
Temperature (C)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8
6
−10
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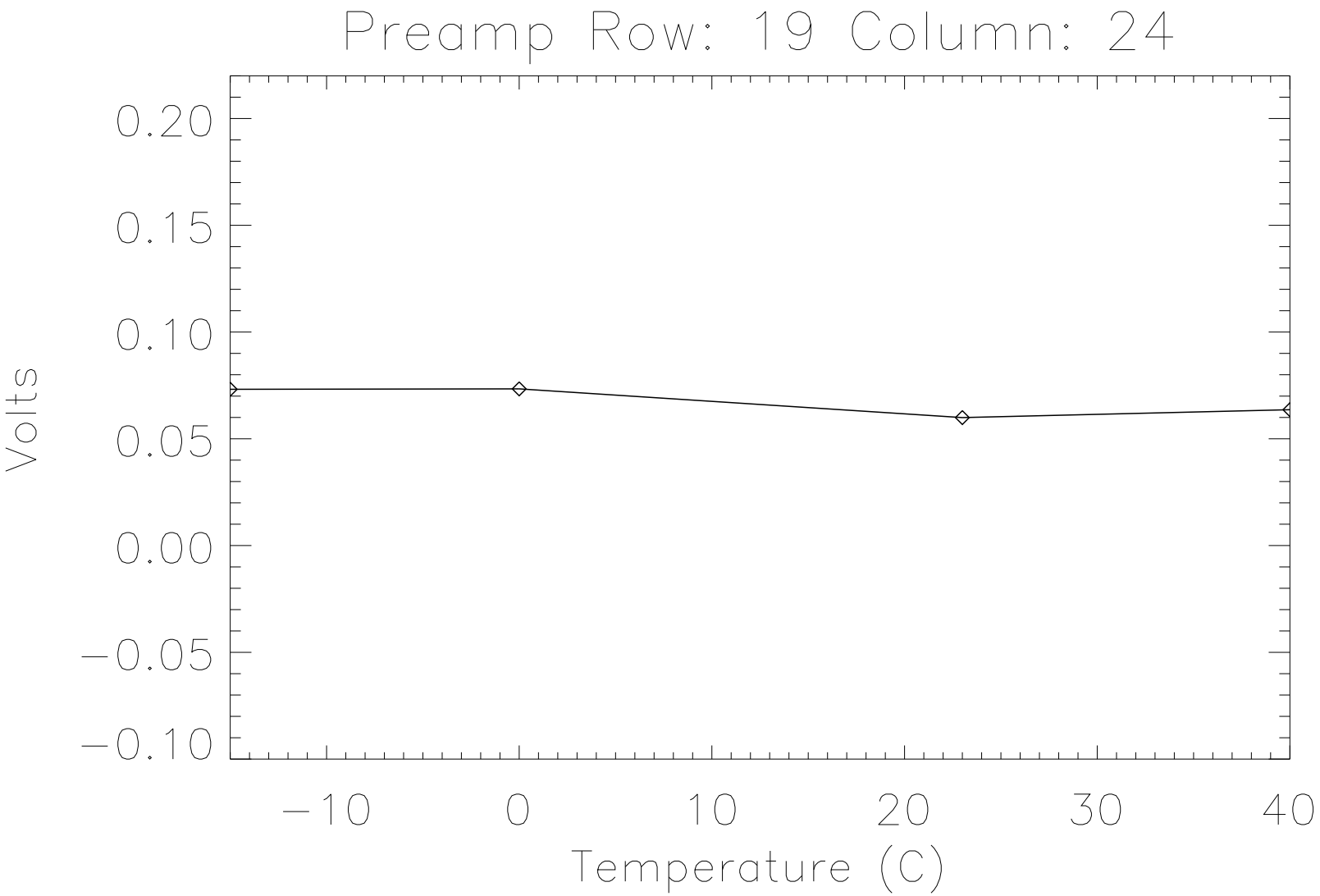
20
30
40
Temperature (C)


Preamp Row: 19 Column: 24
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0.10
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0.00
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−0.10
Volts
−10
0
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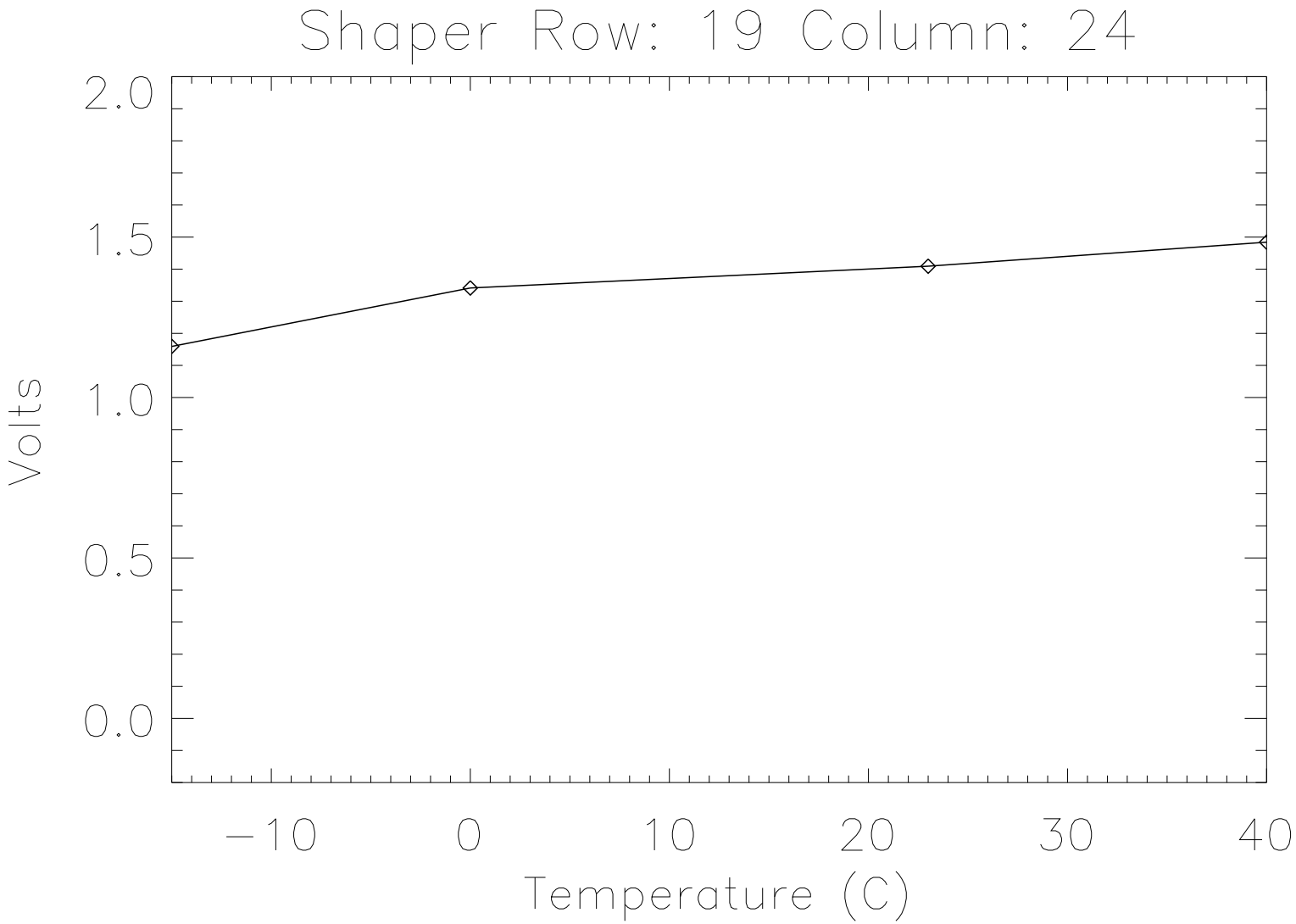
20
30
40
Temperature (C)


Shaper Row: 19 Column: 24
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1.0
0.5
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Volts
−10
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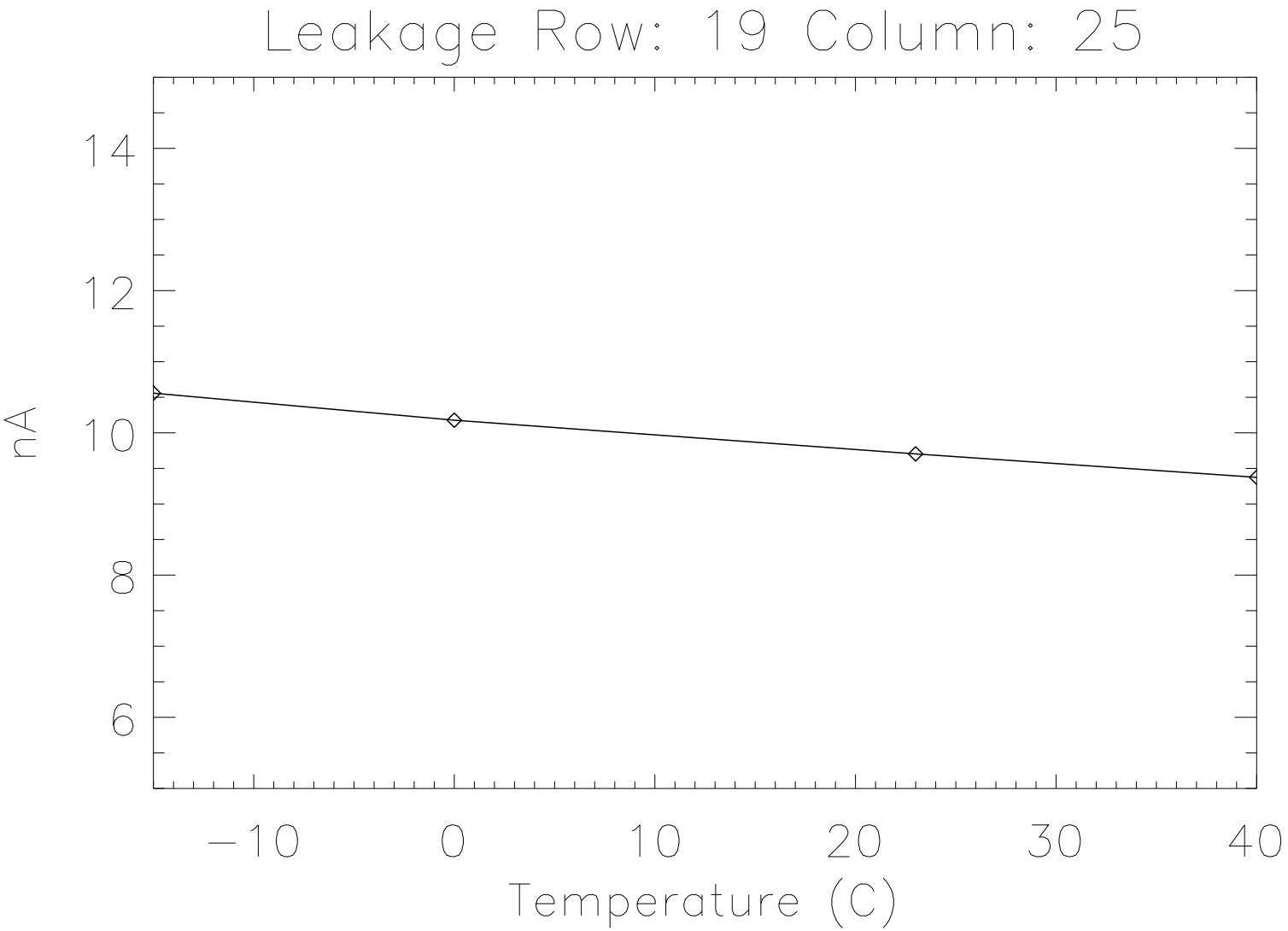
30
40
Temperature (C)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8
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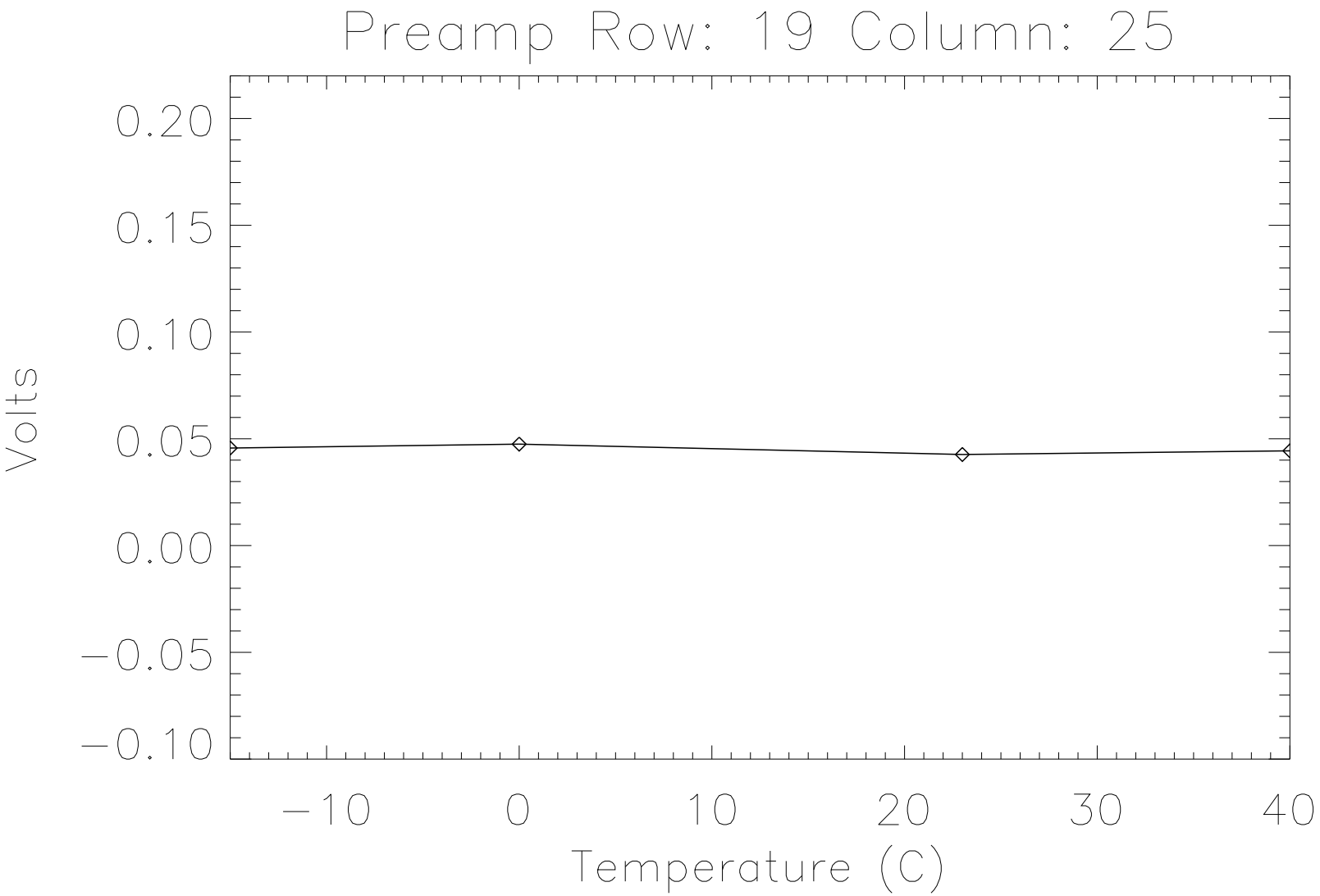
20
30
40
Temperature (C)


Preamp Row: 19 Column: 25
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Volts
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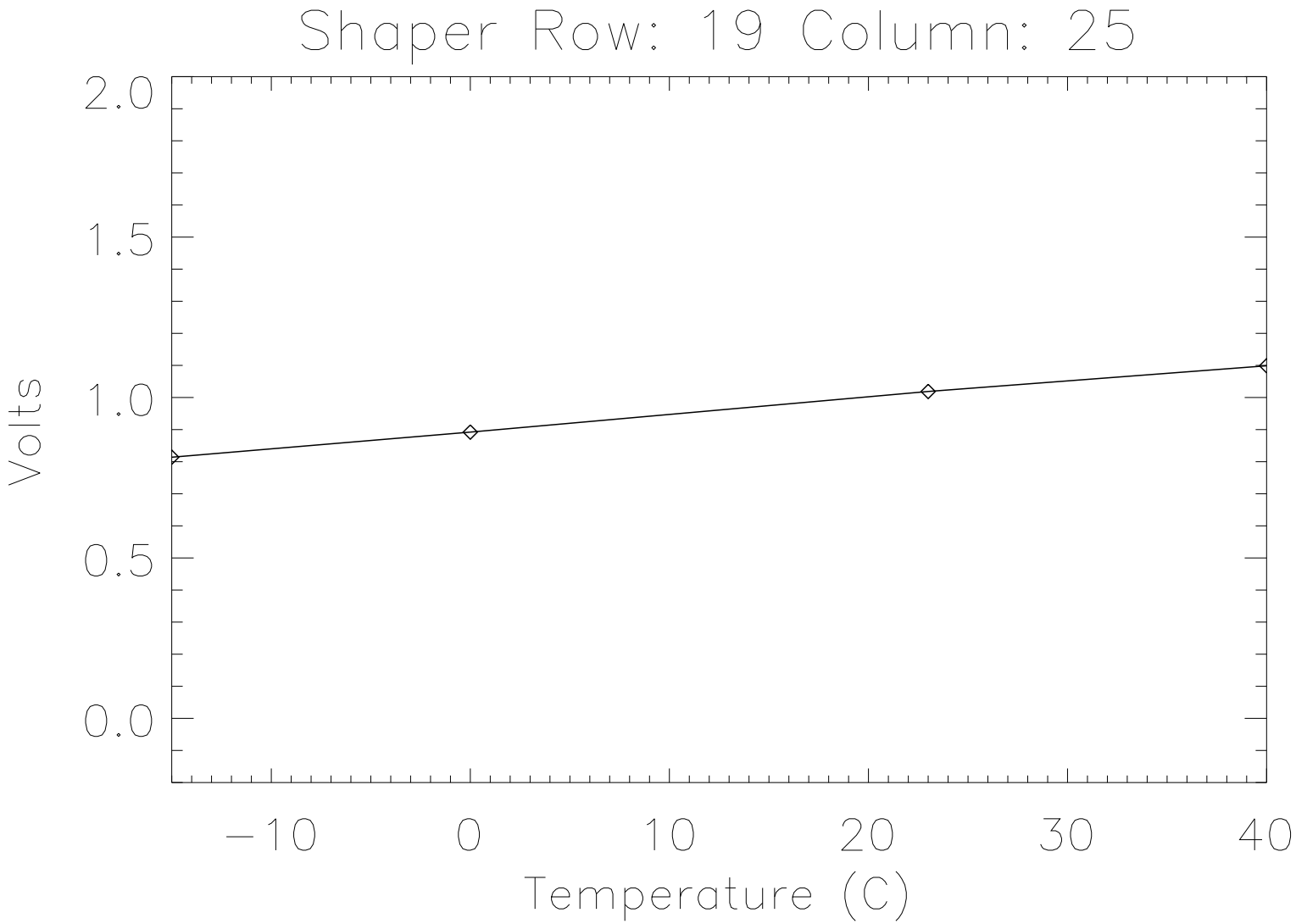
30
40
Temperature (C)


Shaper Row: 19 Column: 25
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1.0
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Volts
−10
0
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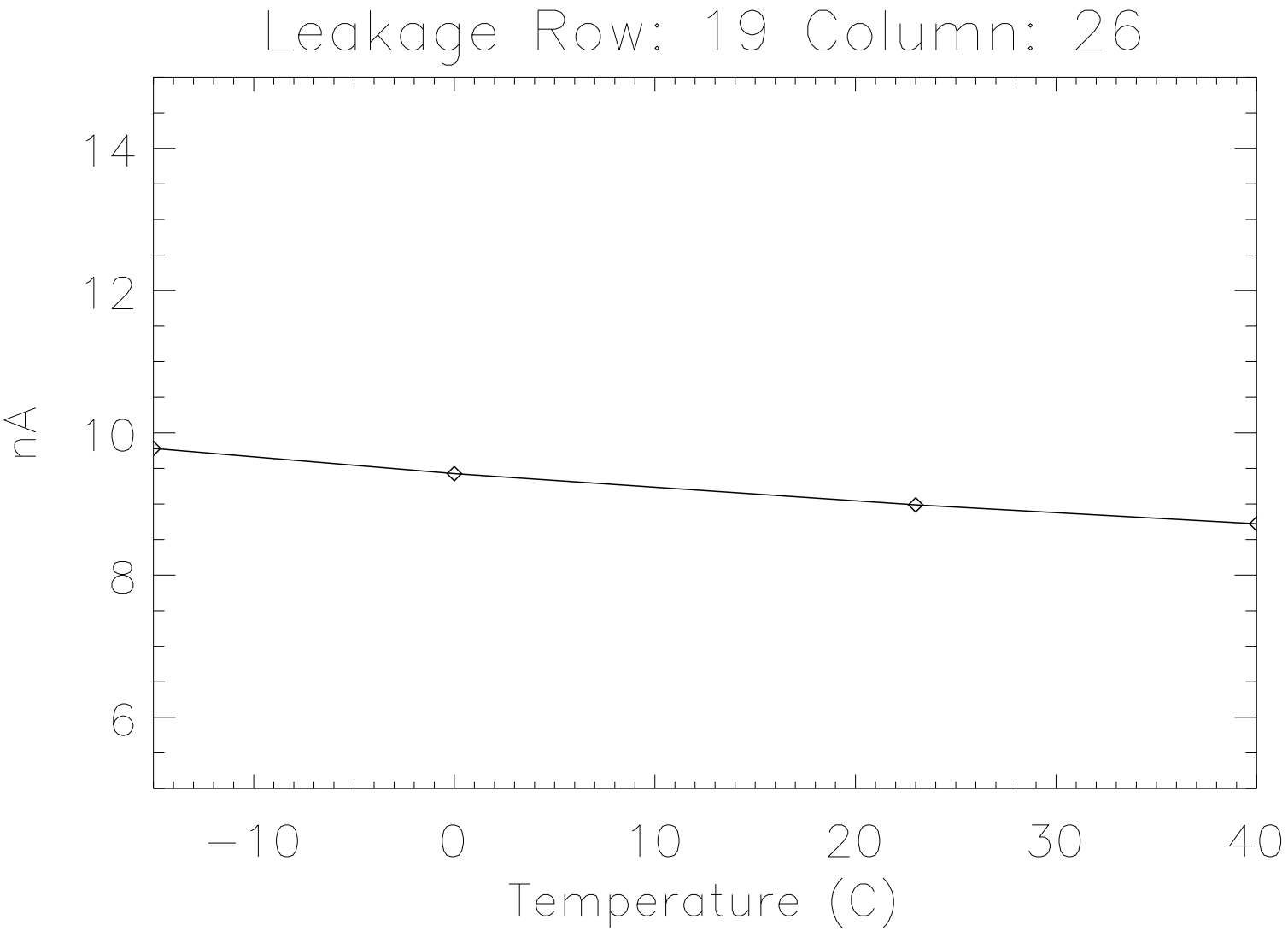
30
40
Temperature (C)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nA
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8
6
−10
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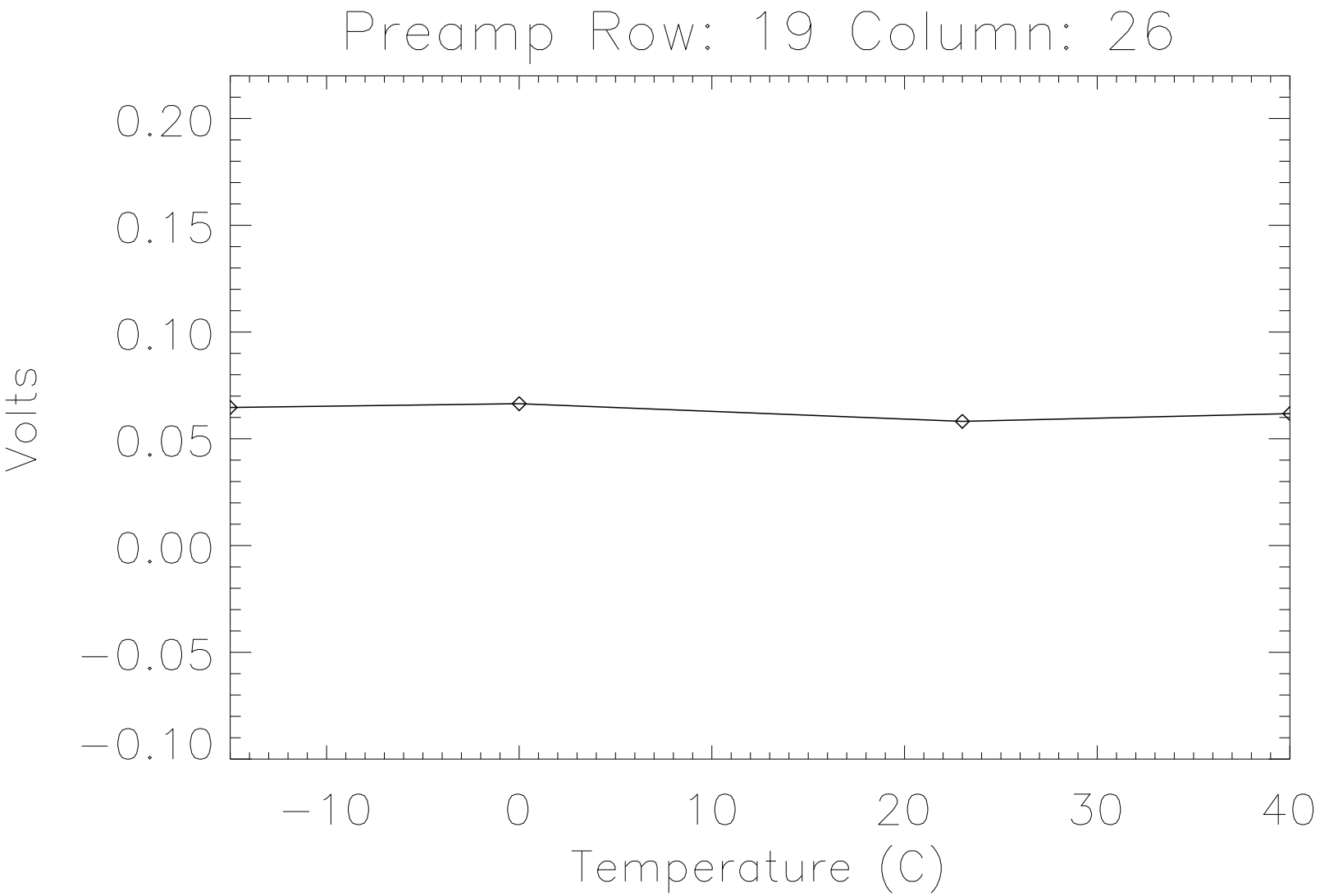
10
20
30
40
Temperature (C)


Preamp Row: 19 Column: 26
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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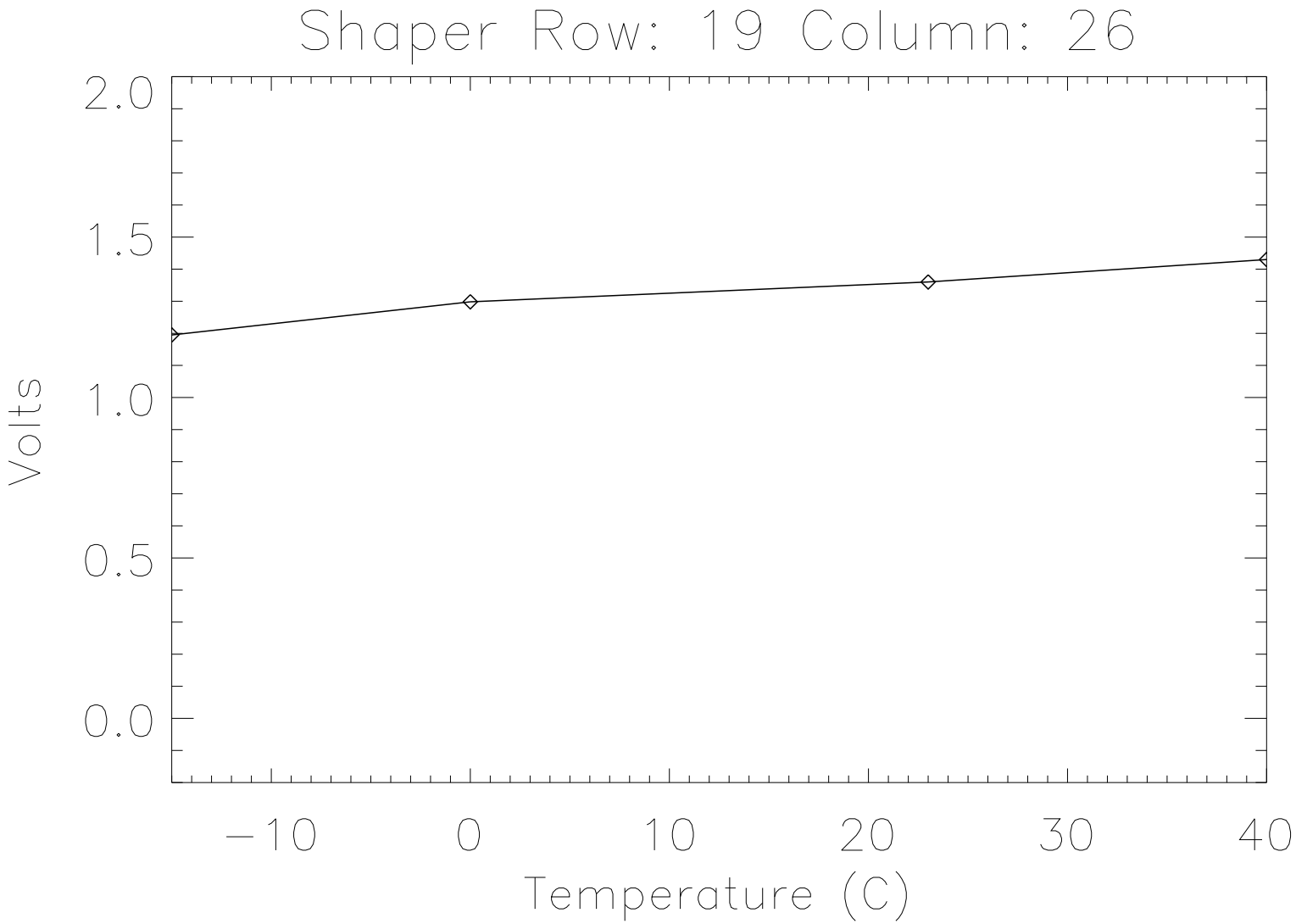
20
30
40
Temperature (C)


Shaper Row: 19 Column: 26
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1.0
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Volts
−10
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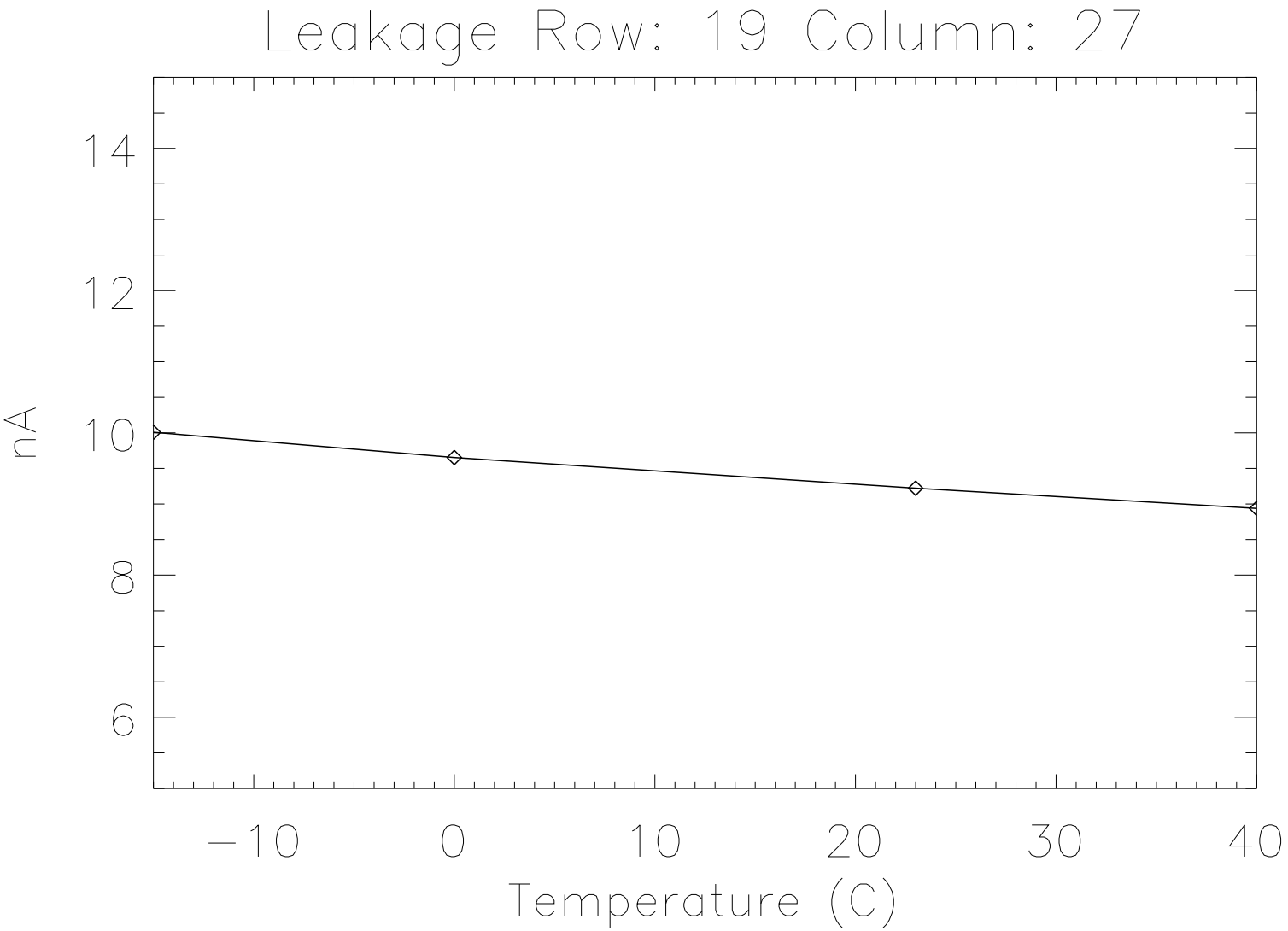
30
40
Temperature (C)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8
6
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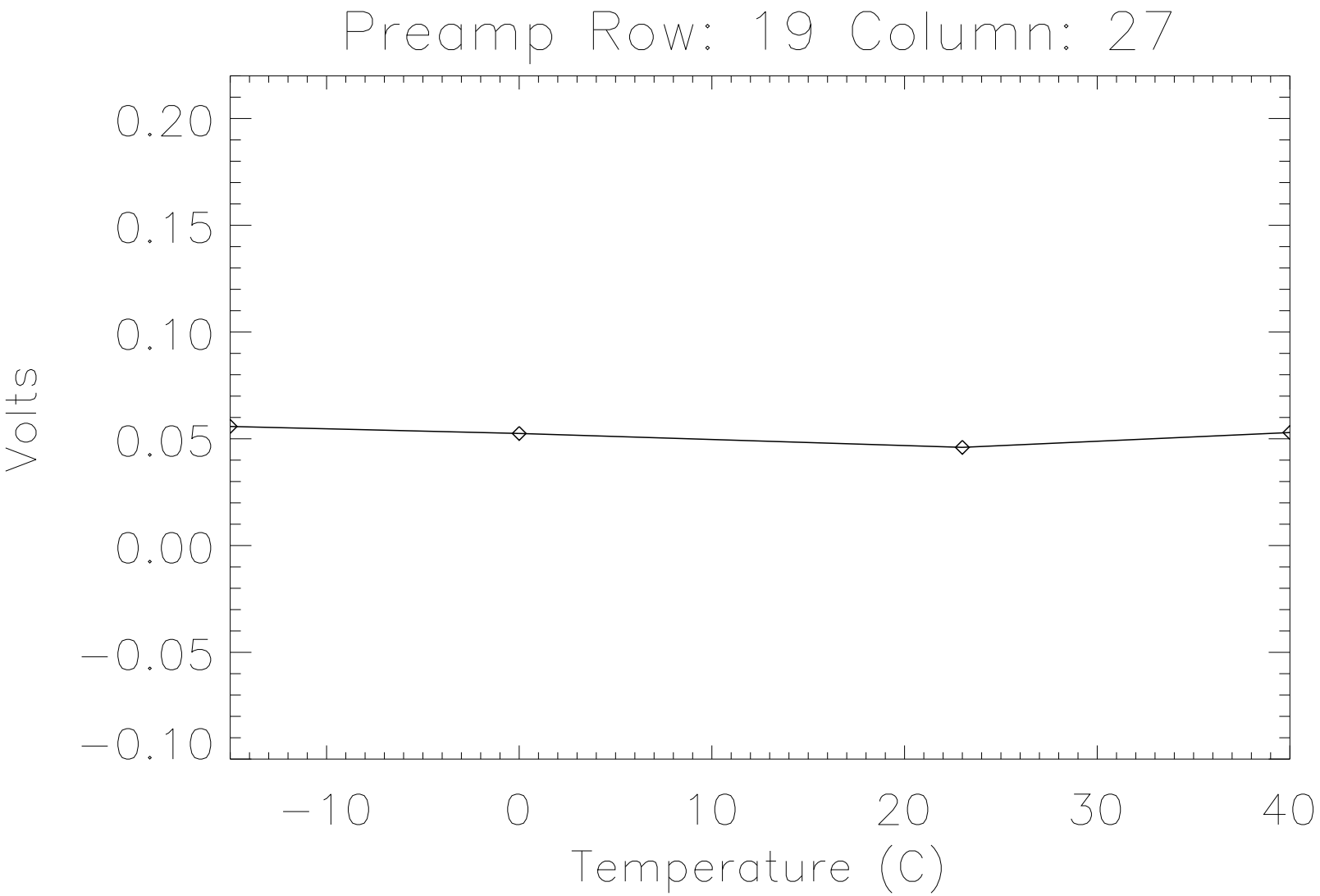
20
30
40
Temperature (C)


Preamp Row: 19 Column: 27
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0.10
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0.00
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Volts
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30
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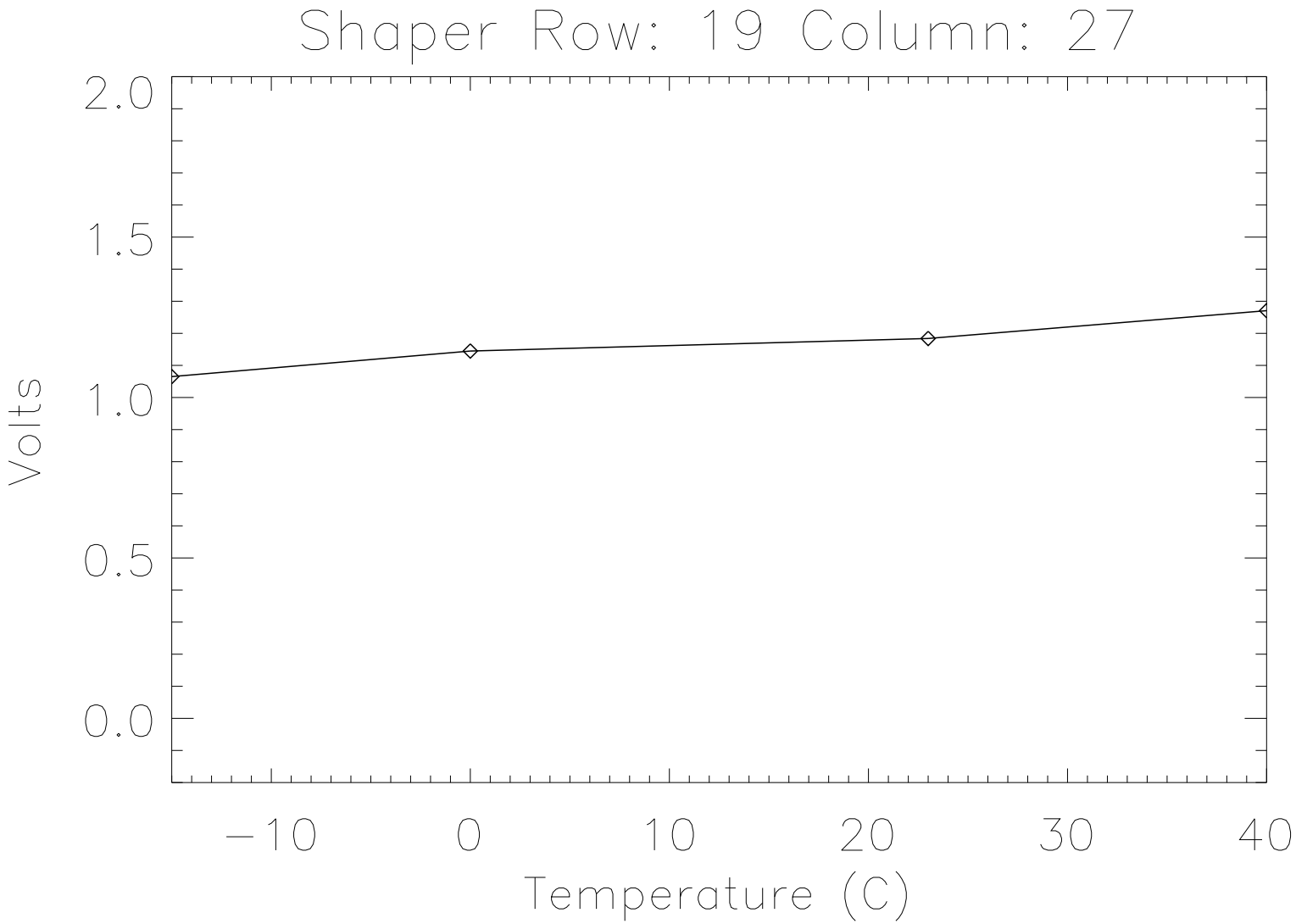
Temperature (C)


Shaper Row: 19 Column: 27
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1.5
1.0
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Volts
−10
0
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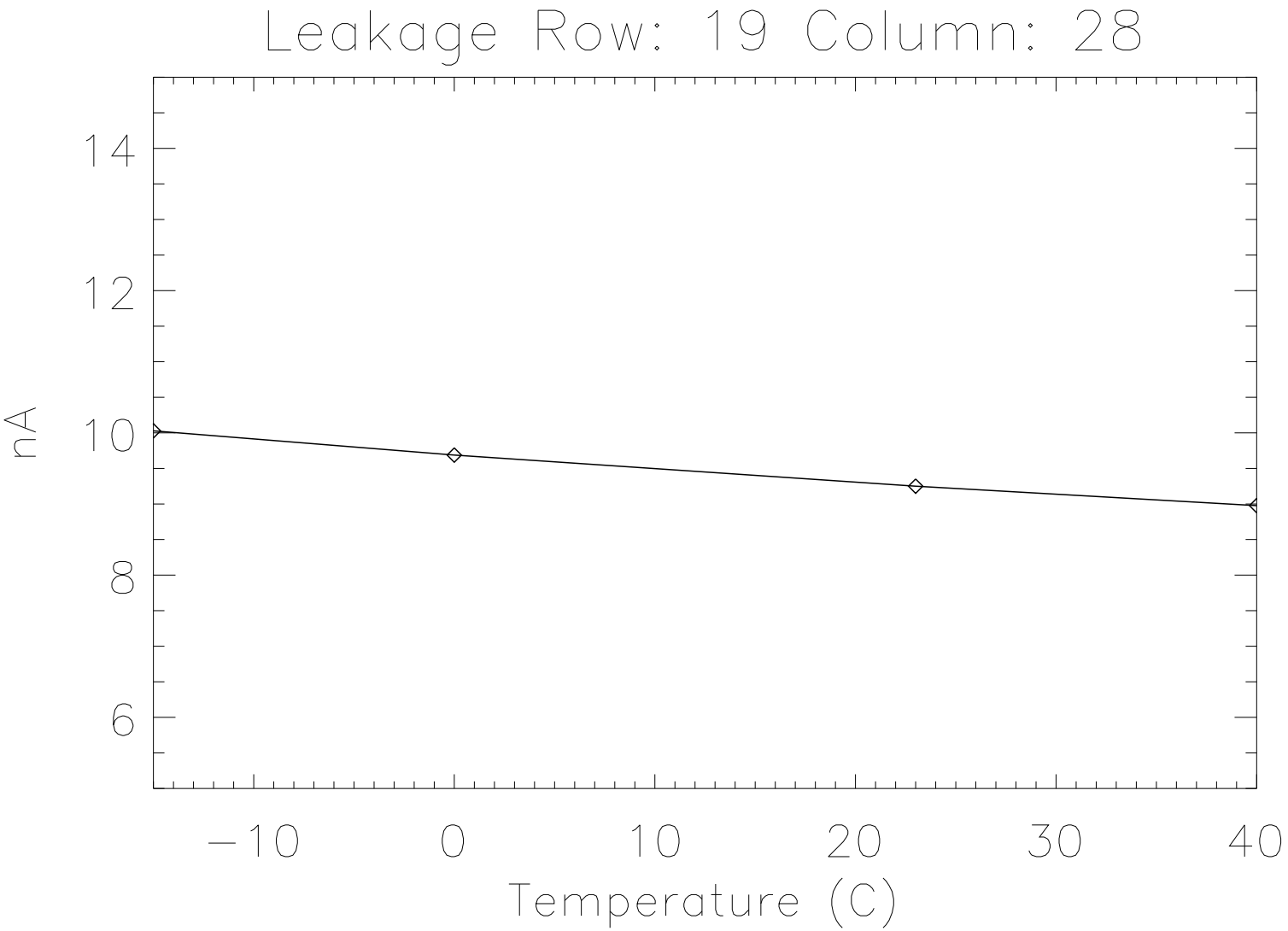
30
40
Temperature (C)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8
6
nA
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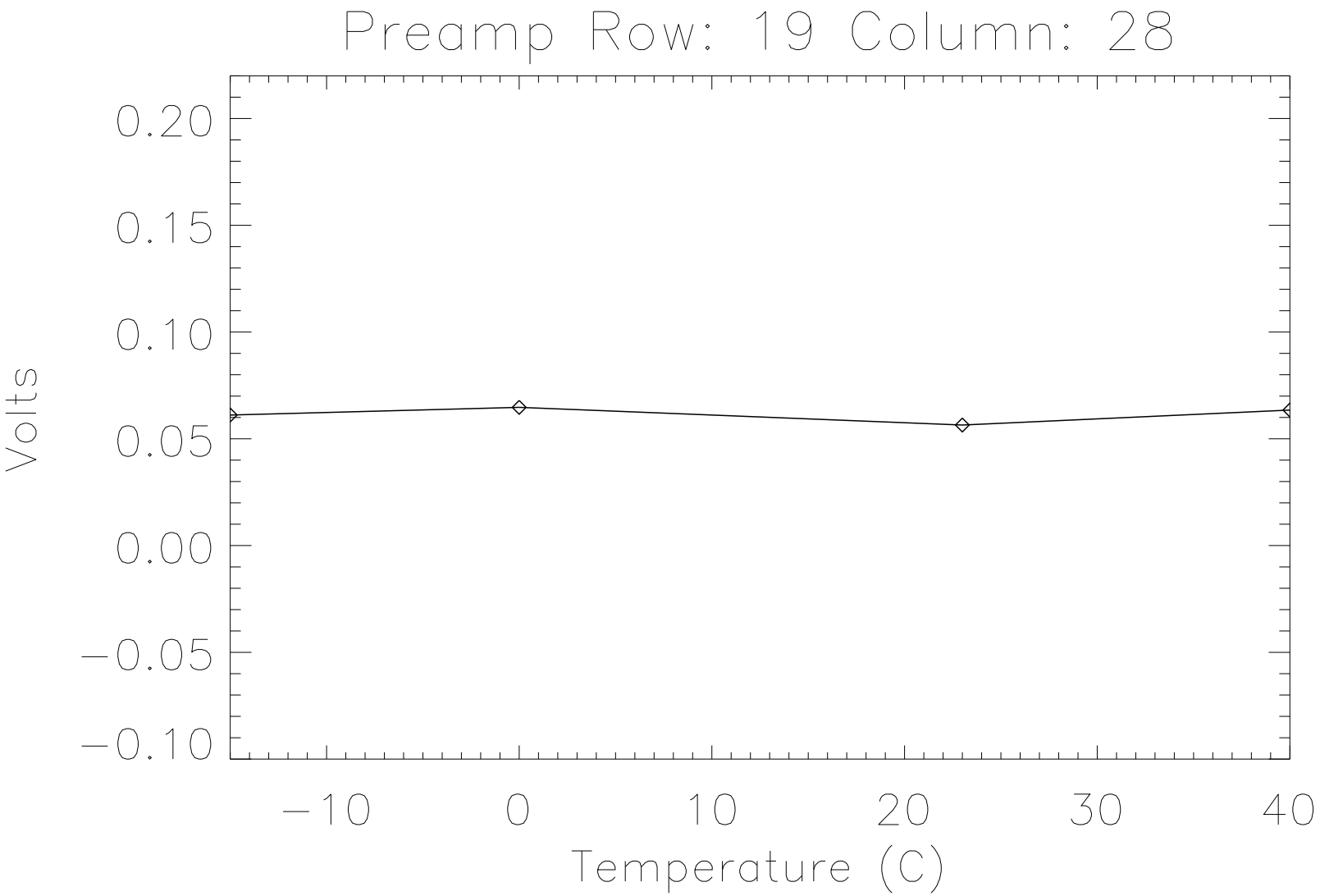
20
30
40
Temperature (C)


Preamp Row: 19 Column: 28
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0.00
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Volts
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0
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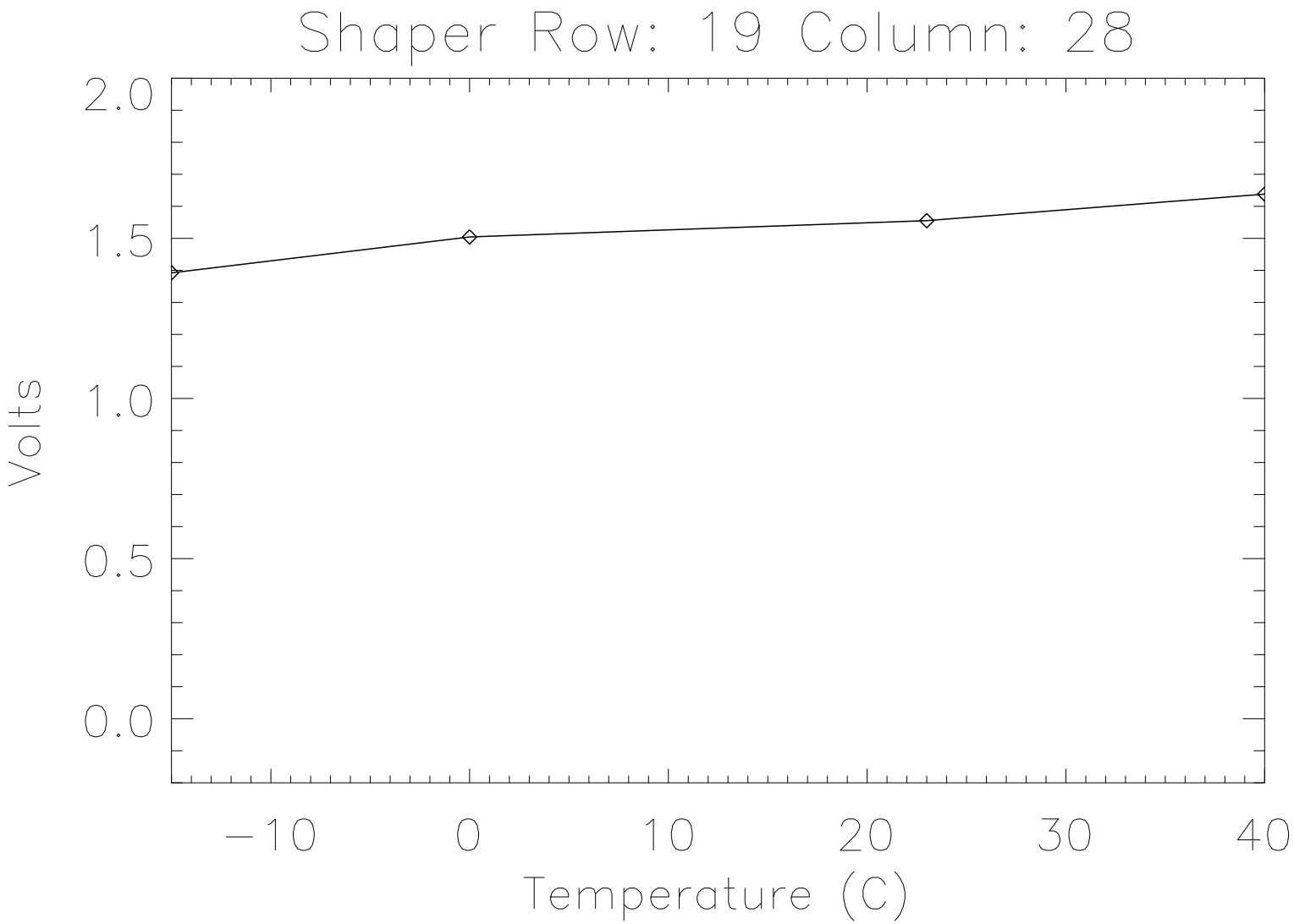
20
30
40
Temperature (C)


Shaper Row: 19 Column: 28
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1.5
1.0
0.5
0.0
Volts
−10
0
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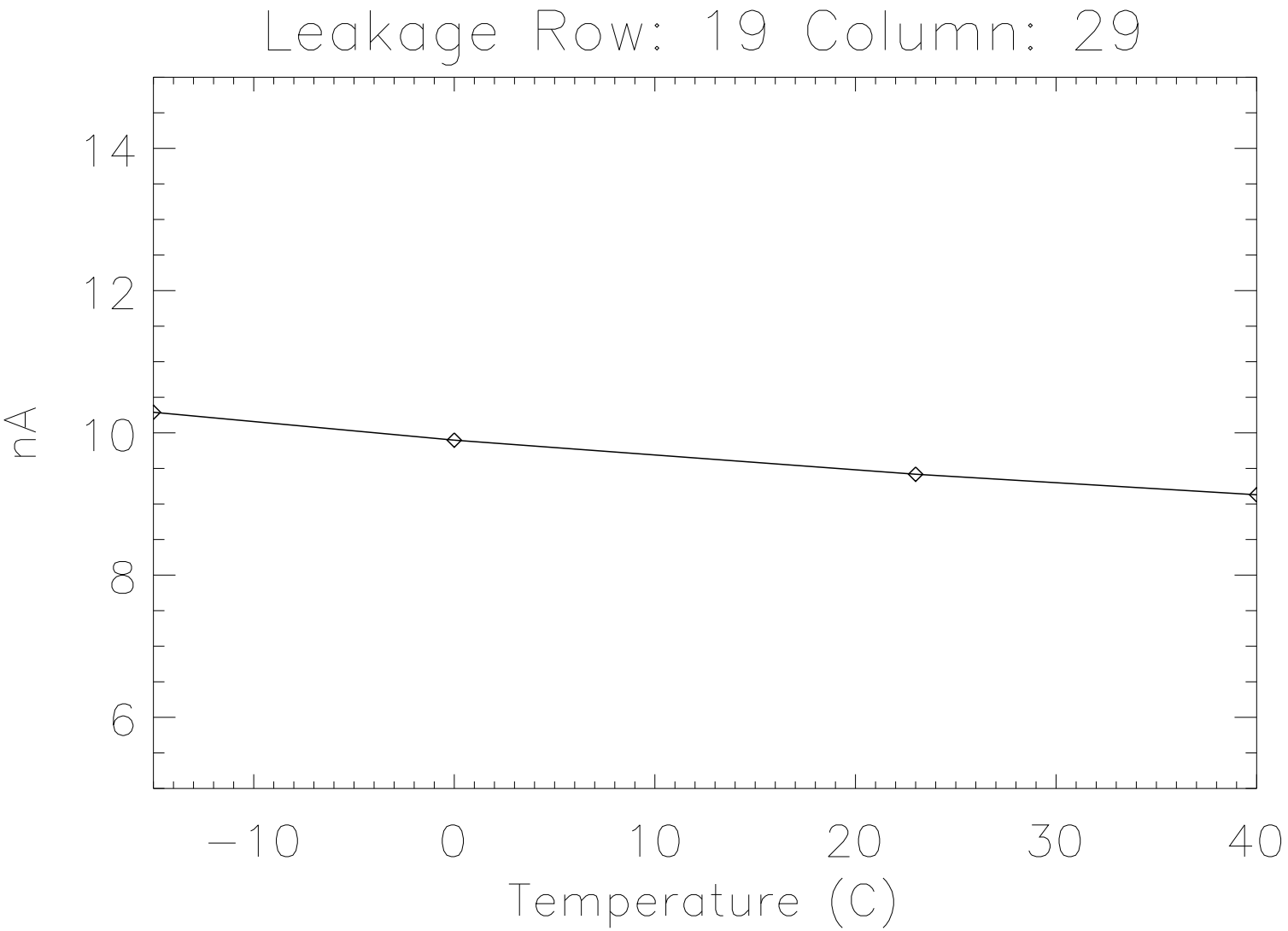
30
40
Temperature (C)


Leakage Row: 19 Column: 29
nA
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8
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−10
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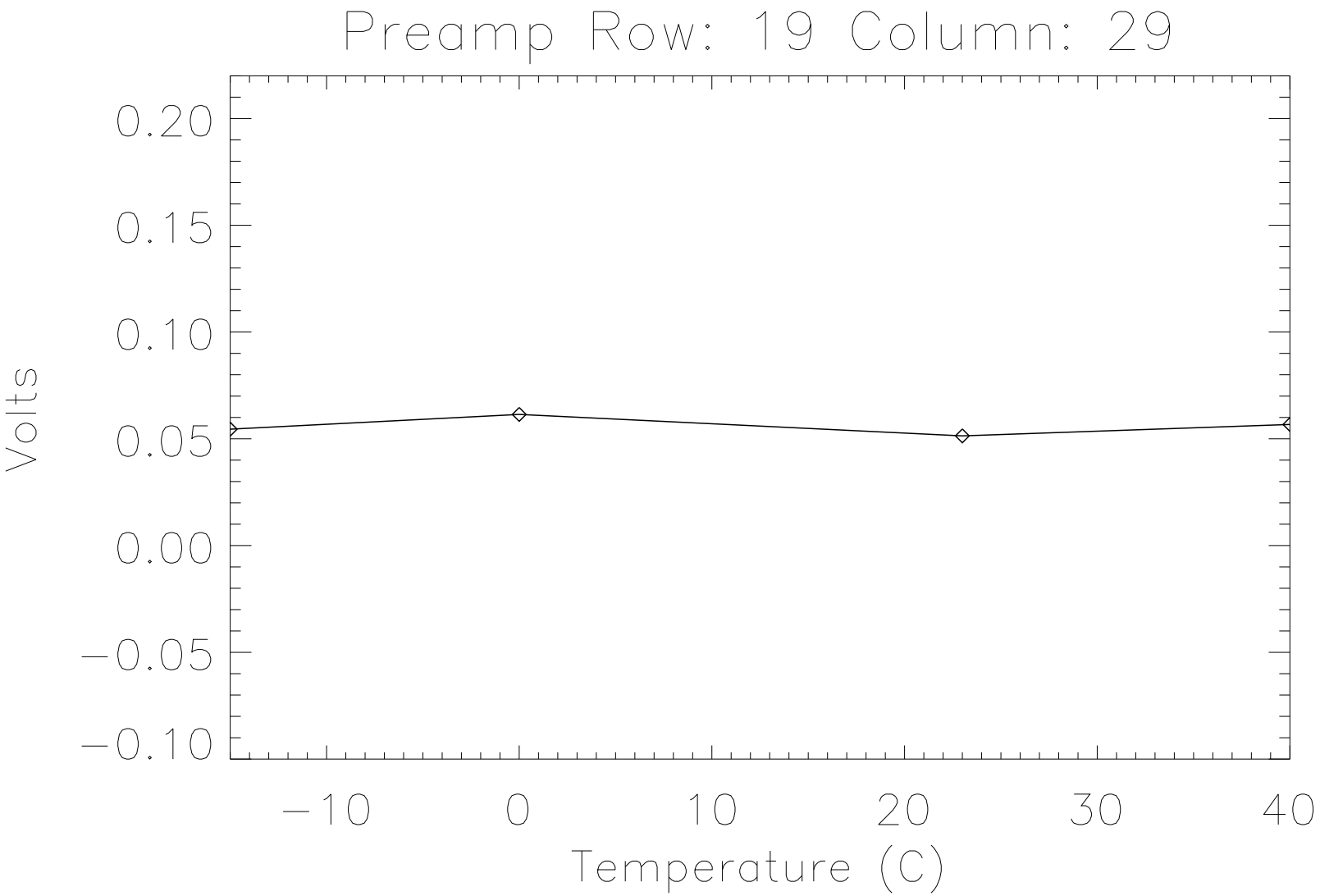
10
20
30
40
Temperature (C)


Preamp Row: 19 Column: 29
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0.00
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−0.10
Volts
−10
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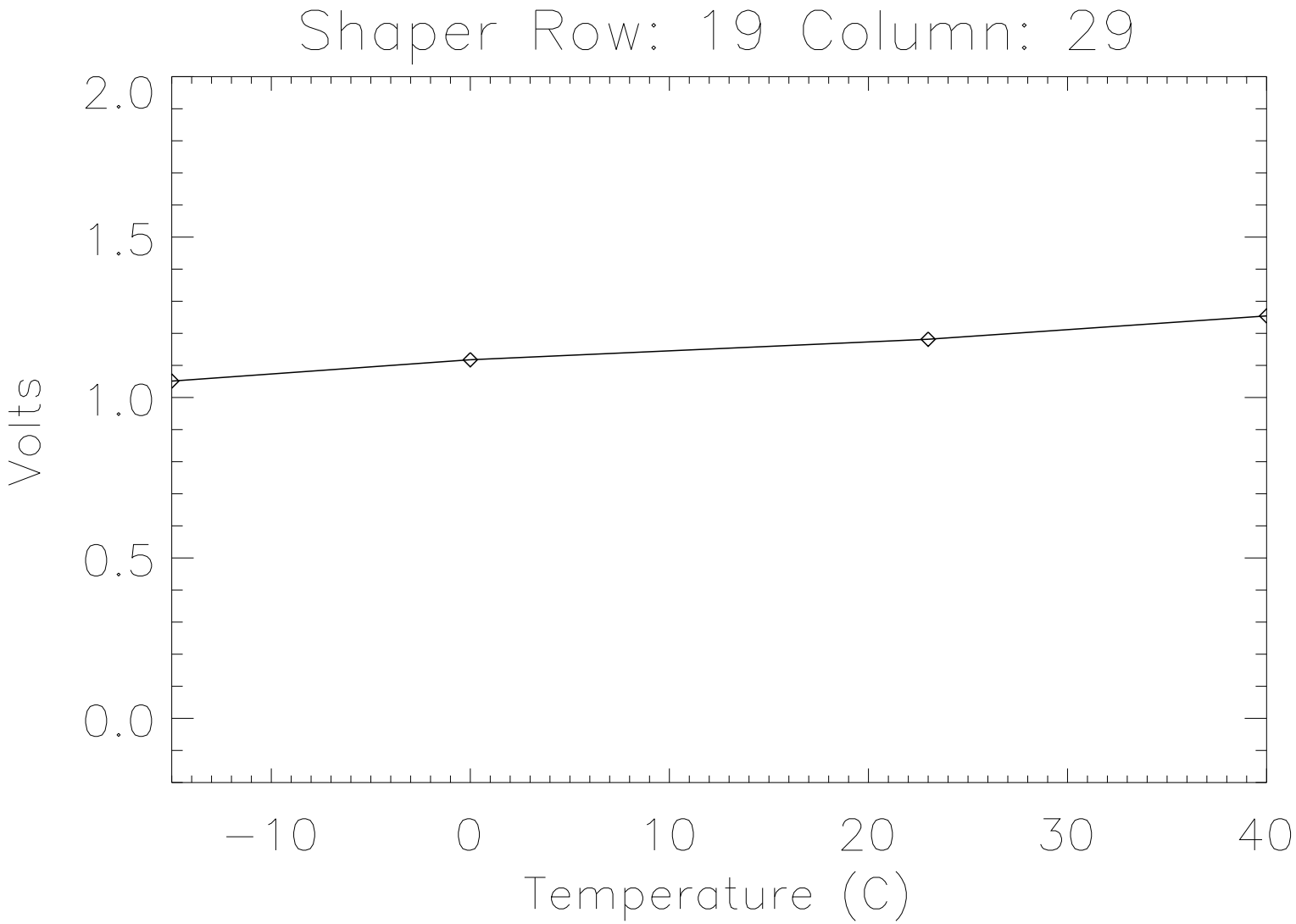
30
40
Temperature (C)


Shaper Row: 19 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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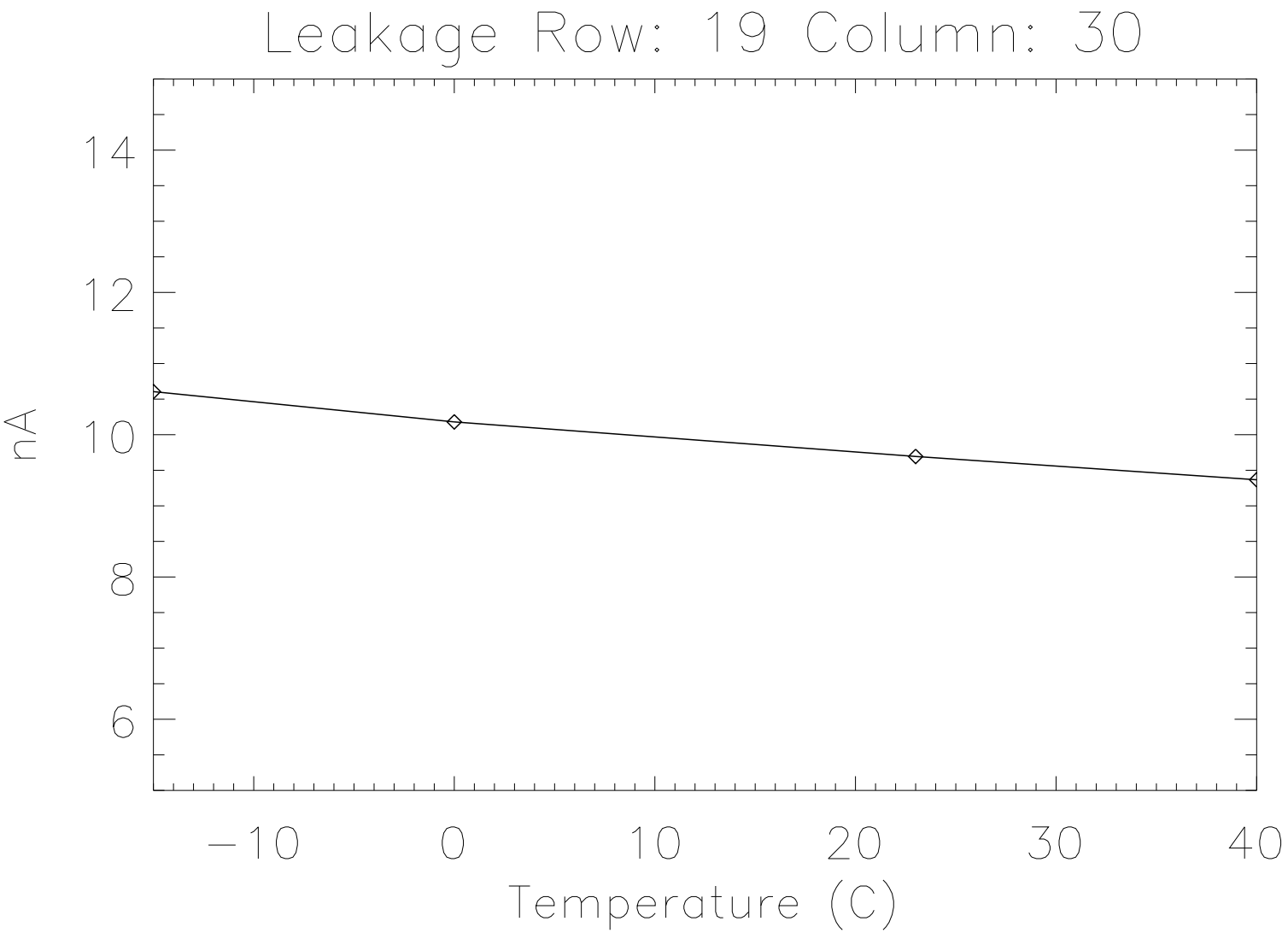
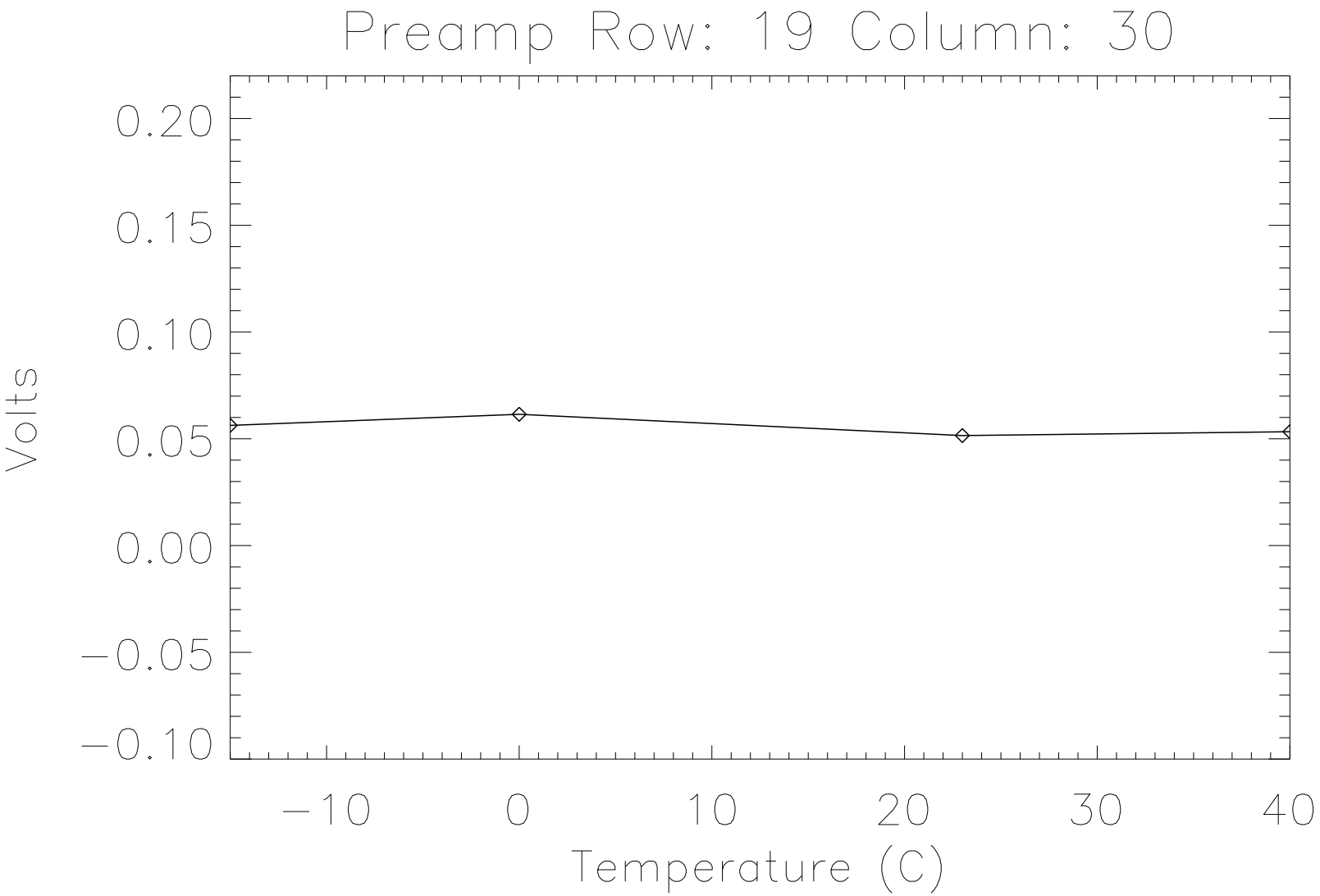
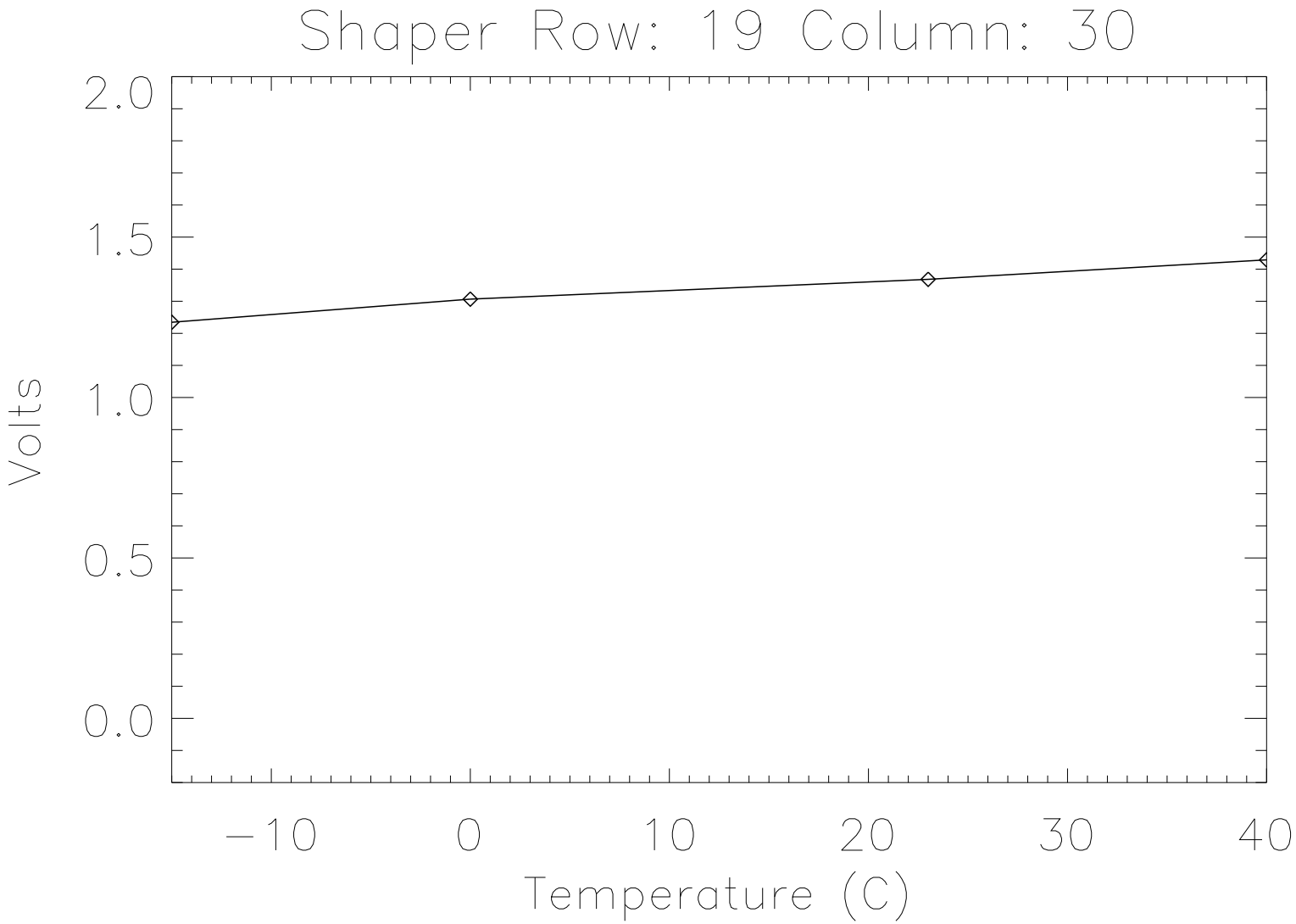
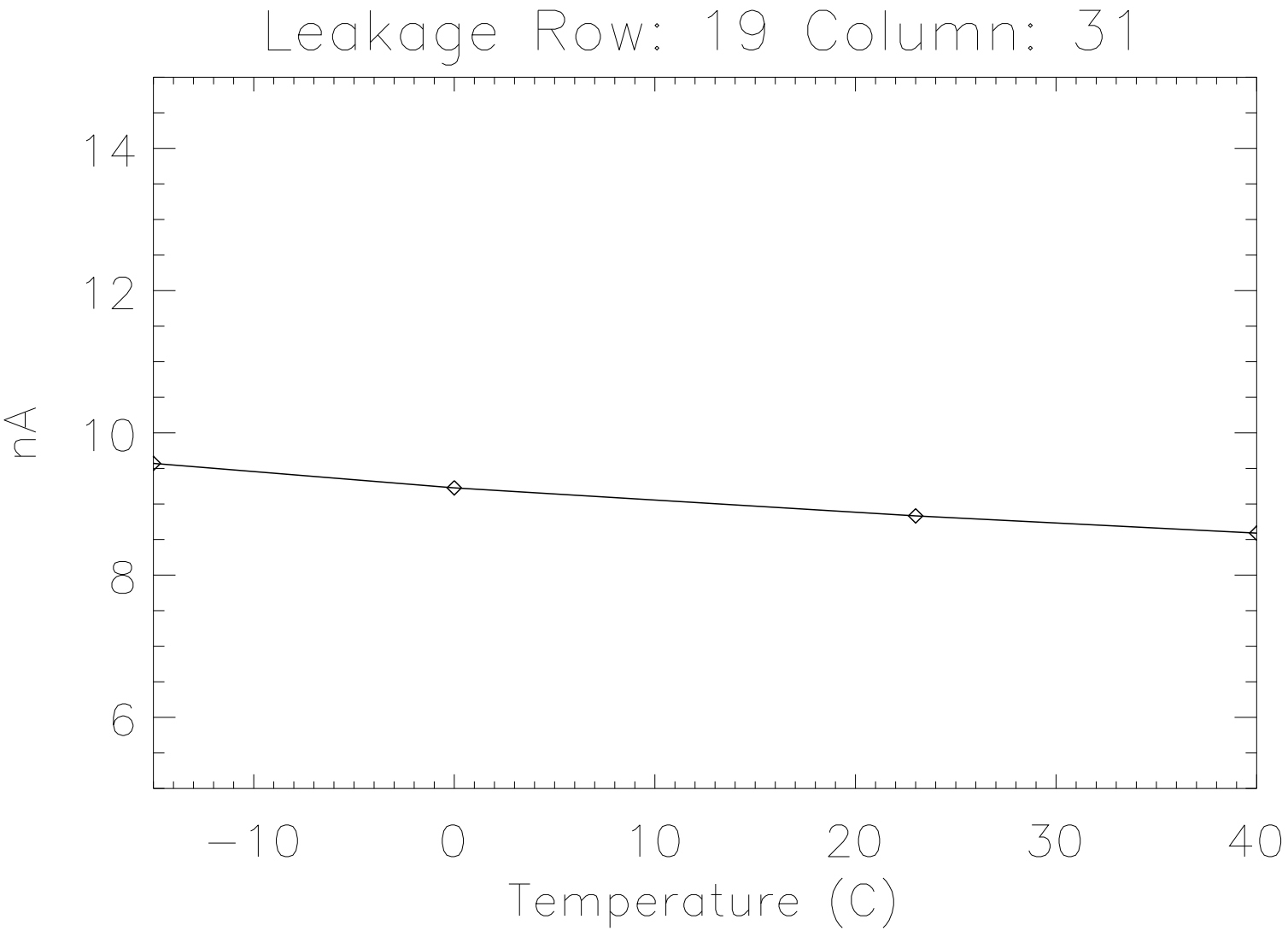
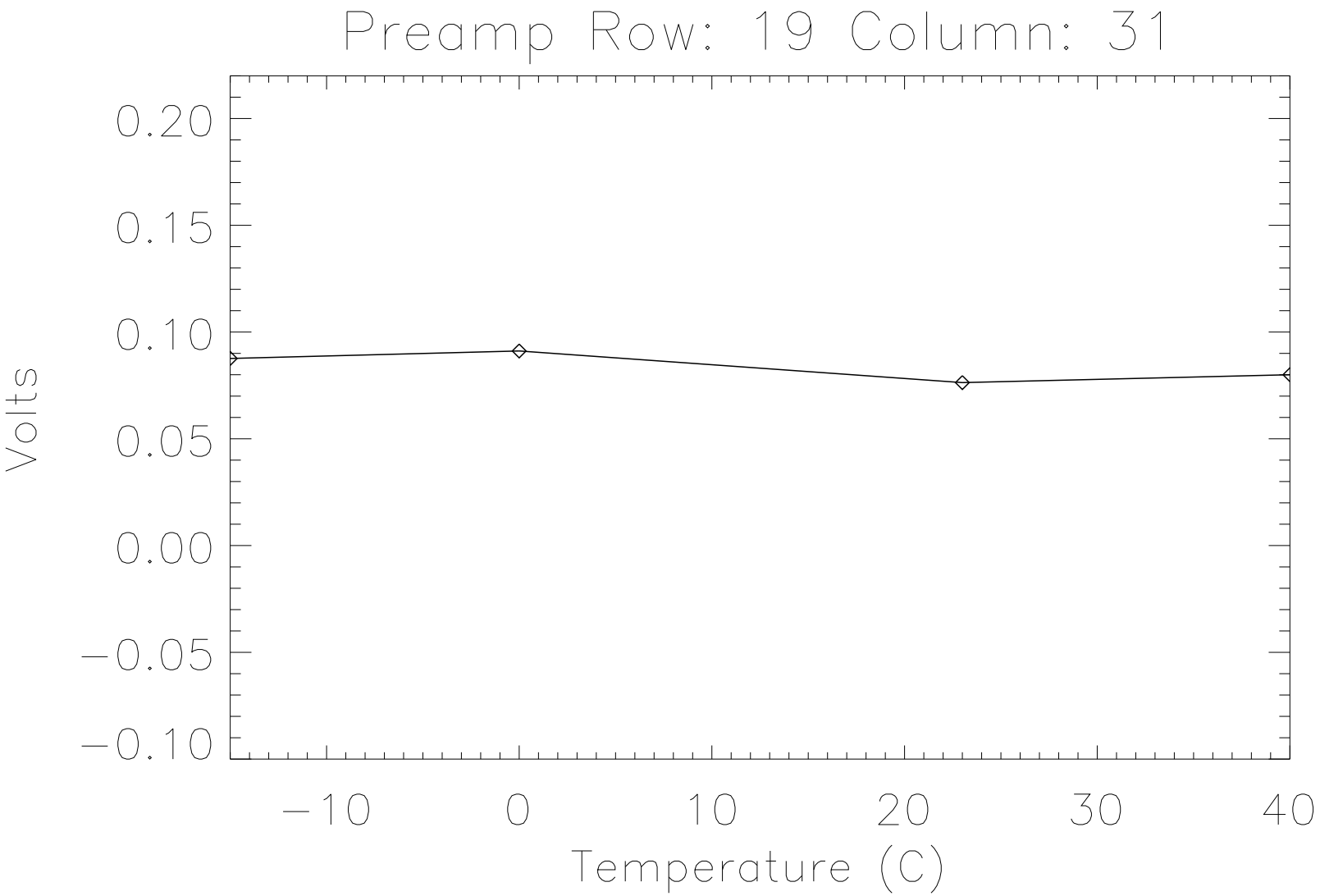
20
30
40
Temperature (C)

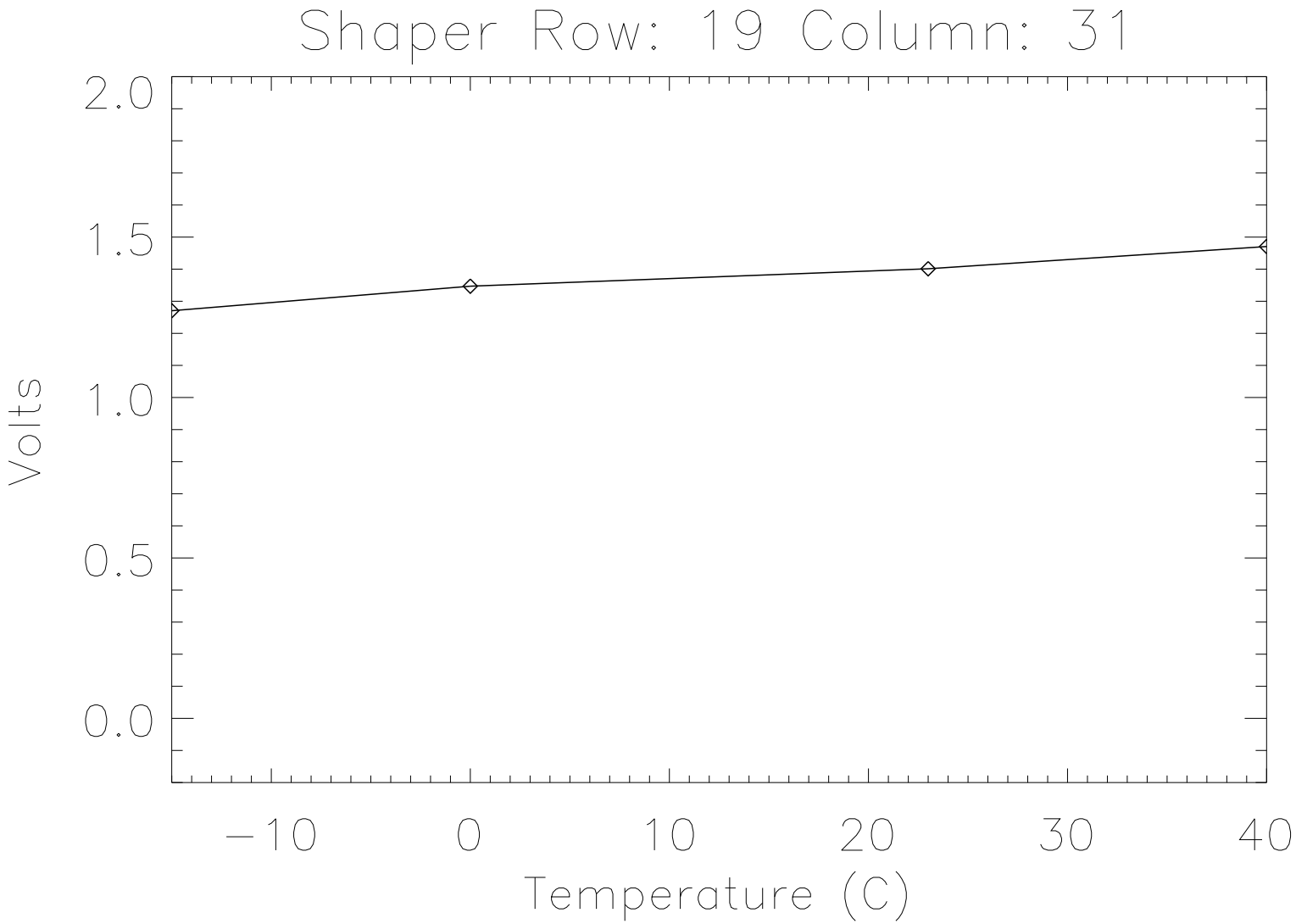

Leakage Row: 19 Column: 30
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

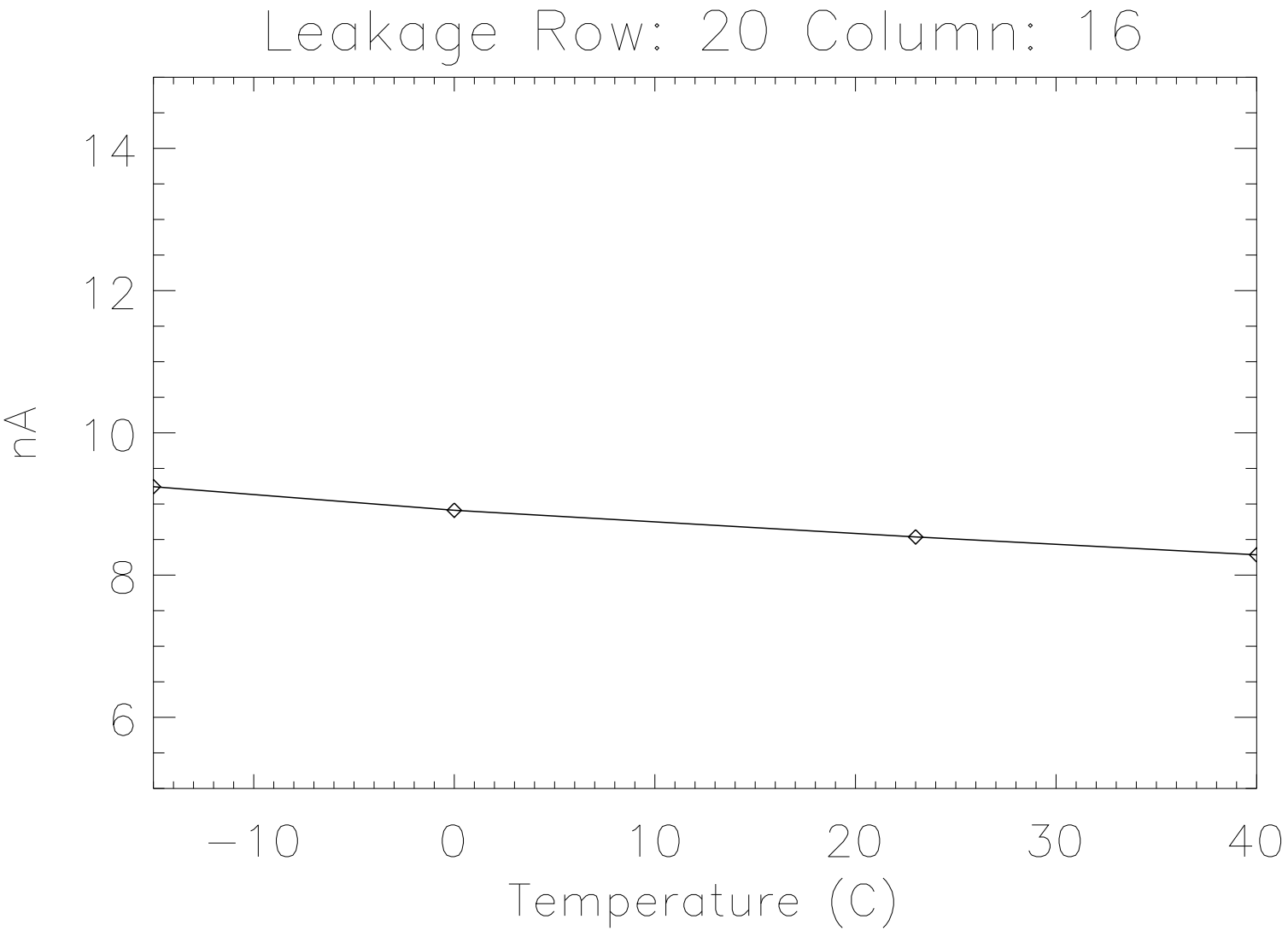

Preamp Row: 19 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

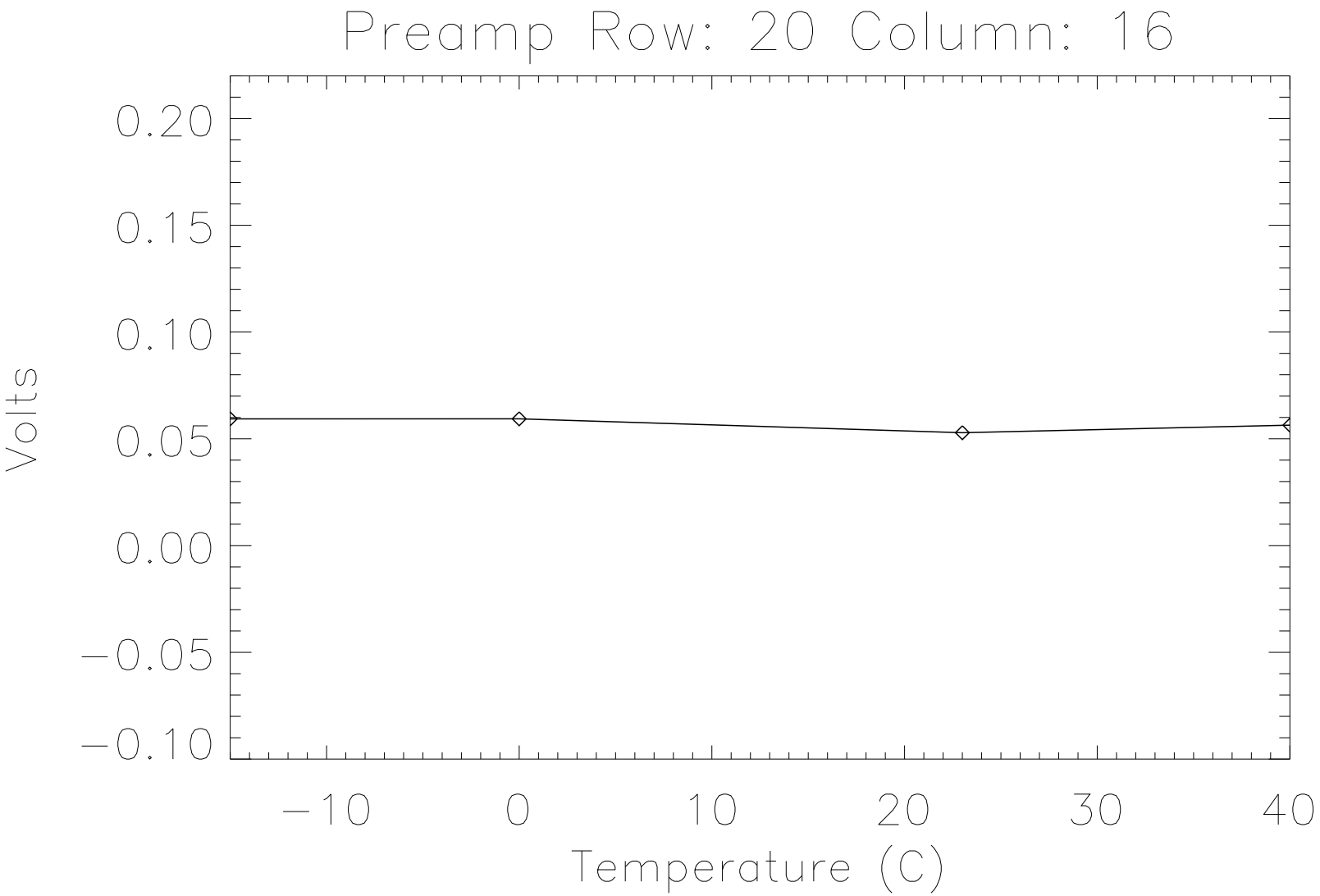

Shaper Row: 19 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

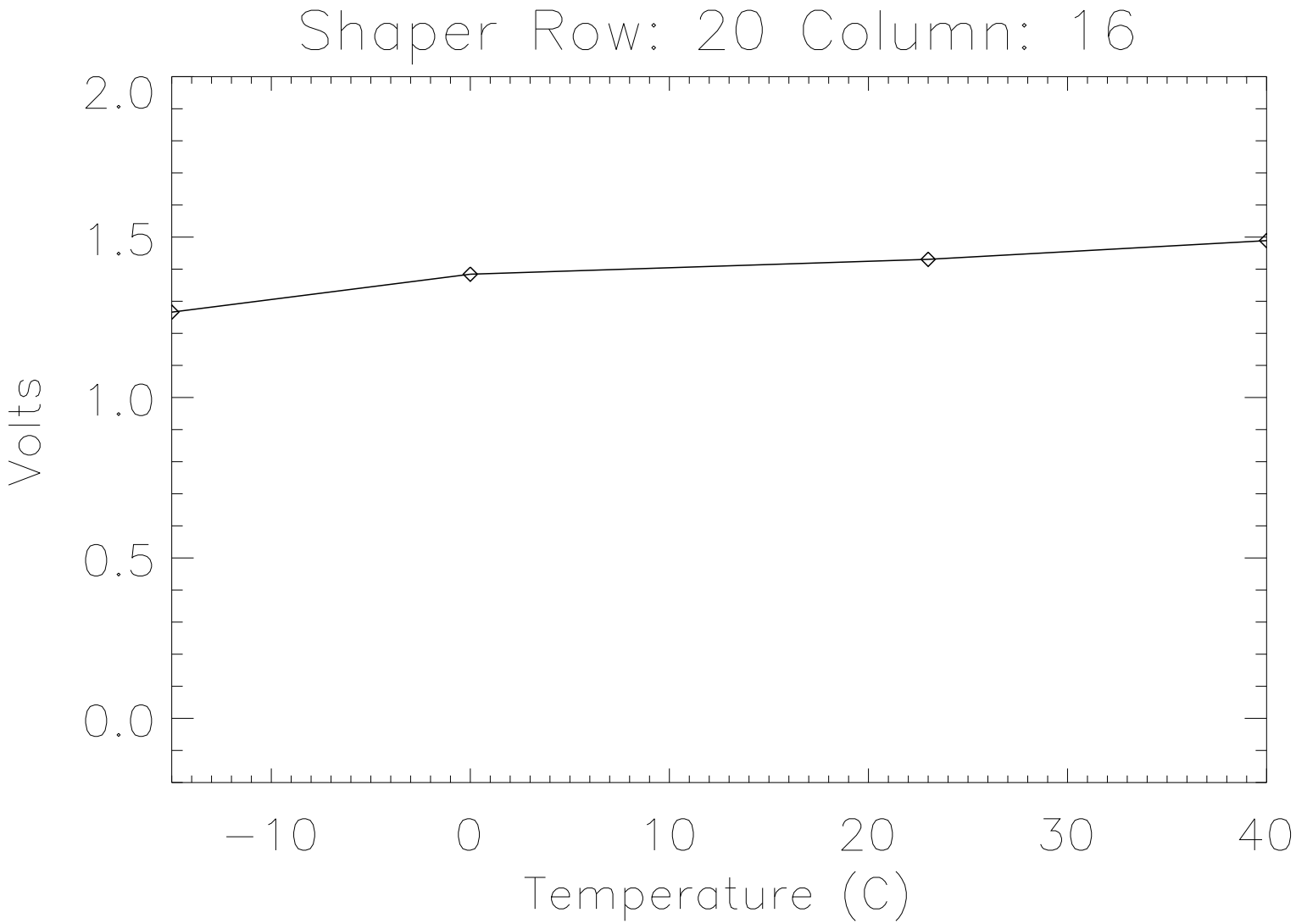

Leakage Row: 19 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

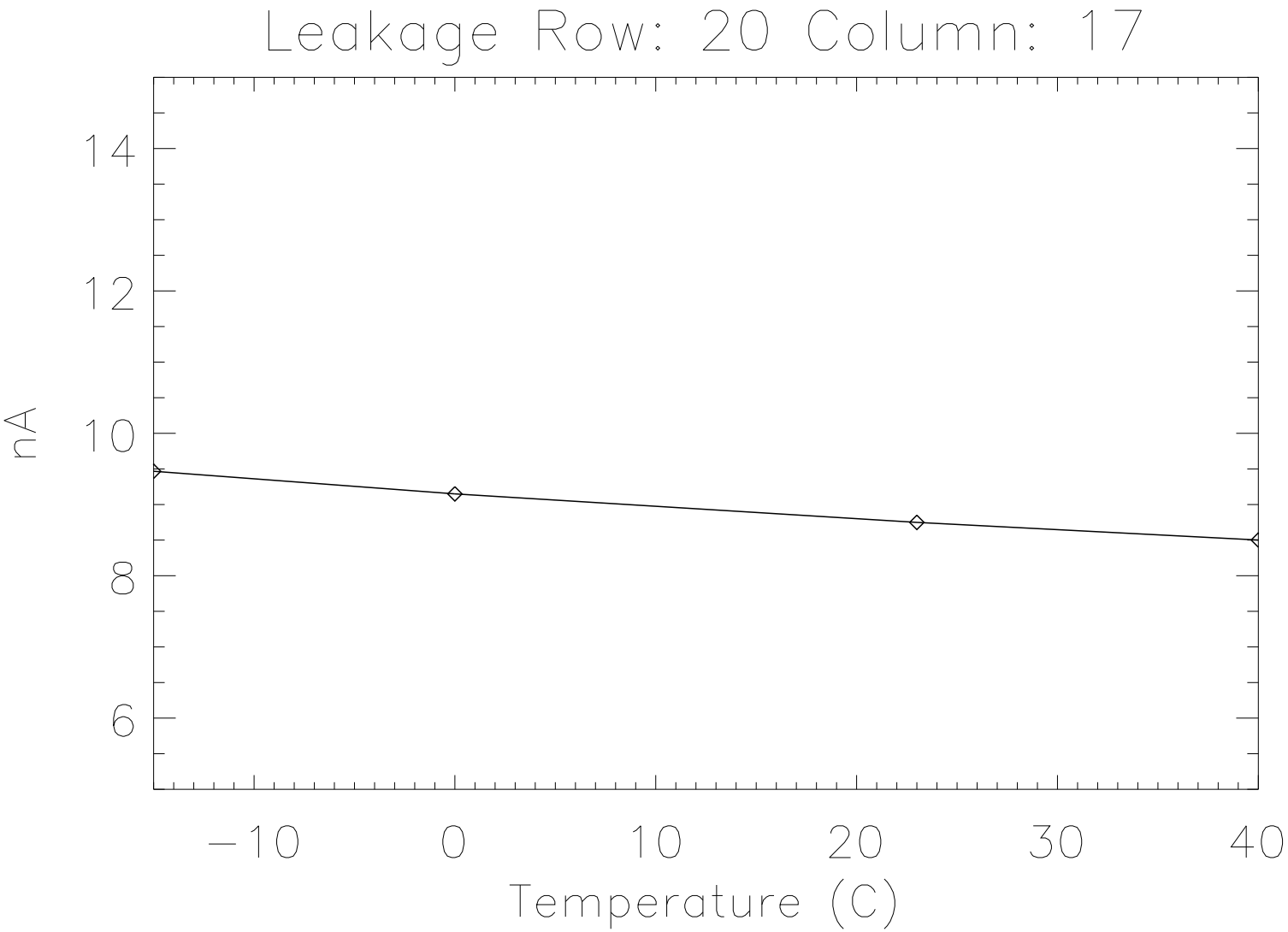

Preamp Row: 19 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

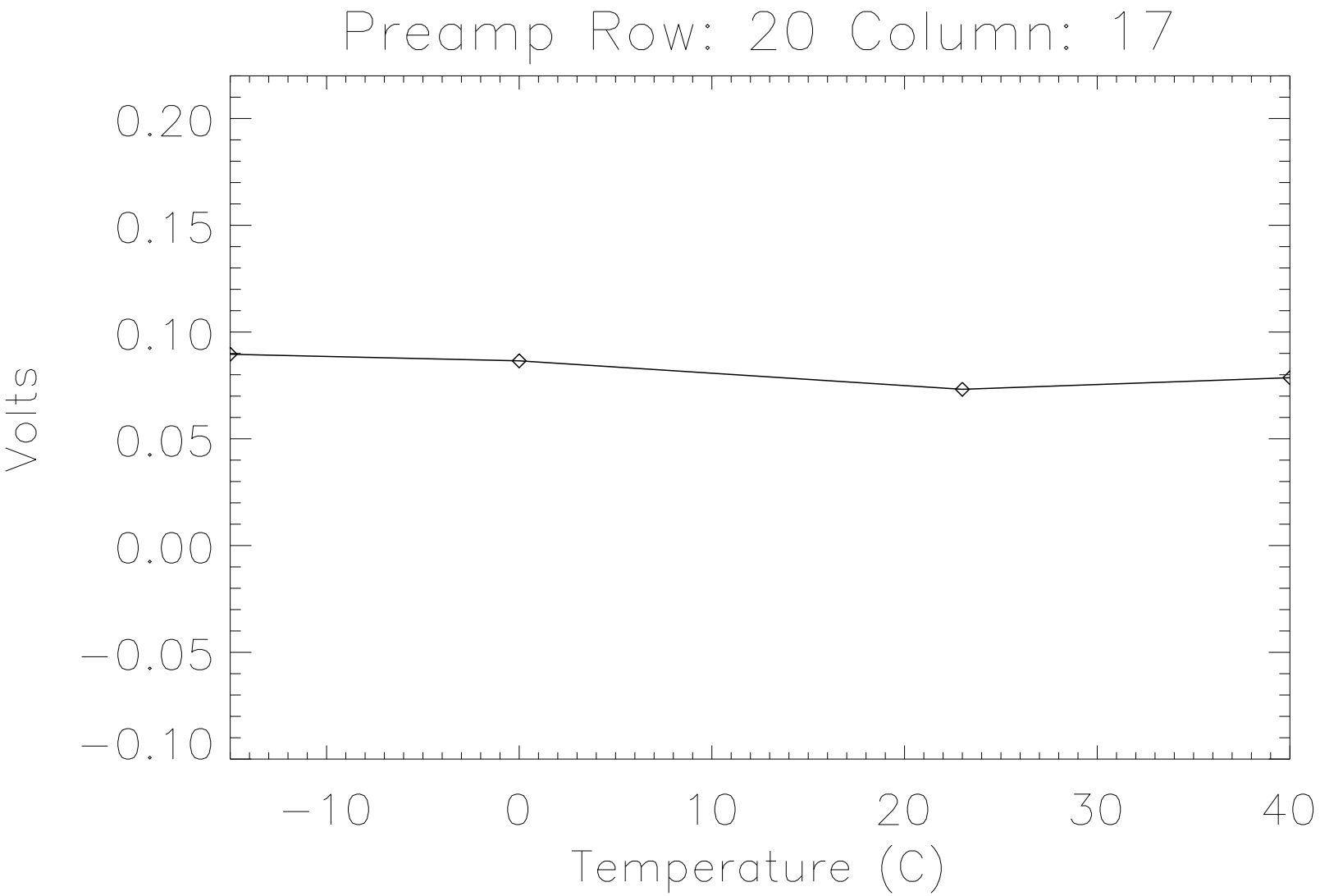

Shaper Row: 19 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

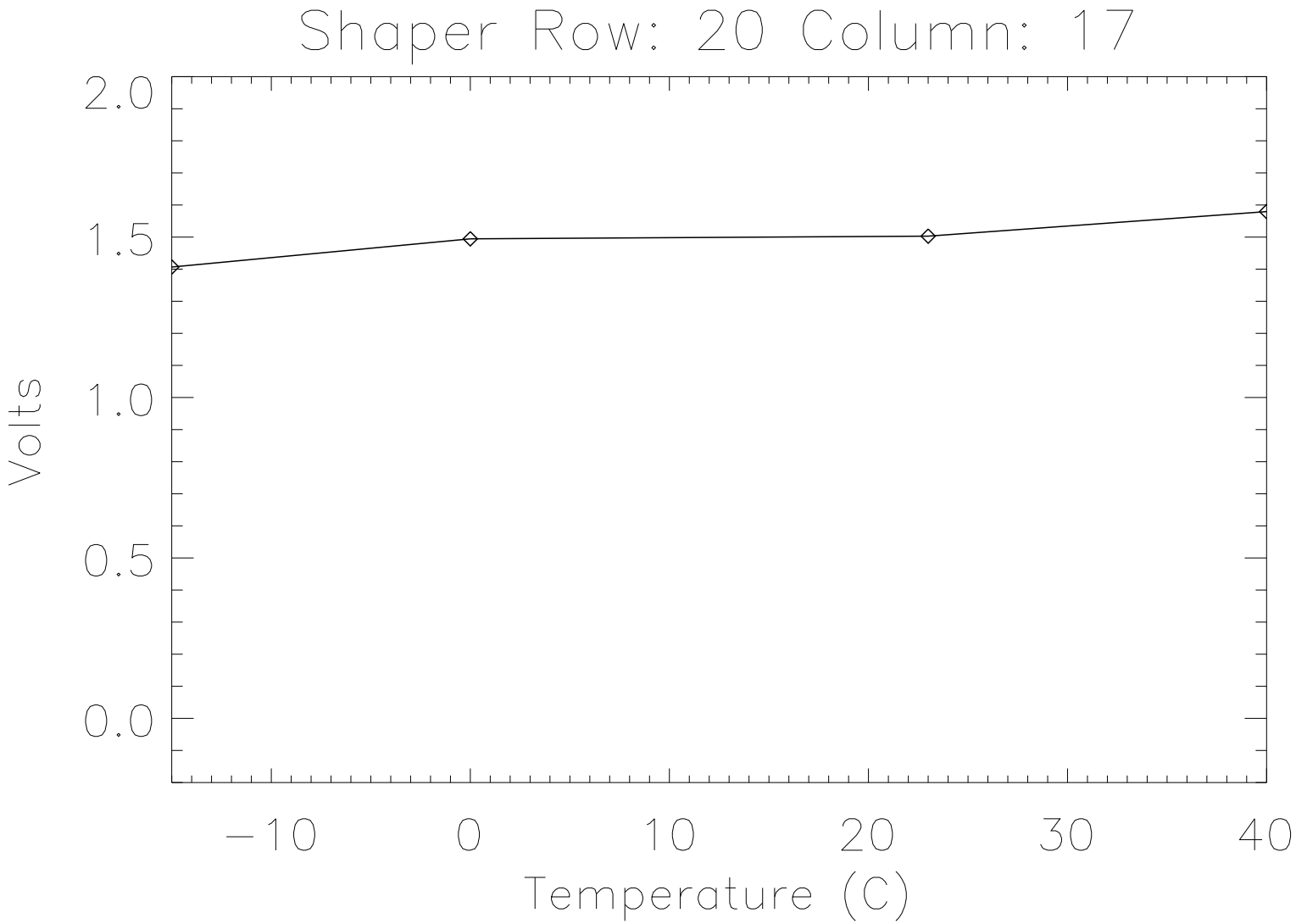

Leakage Row: 20 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

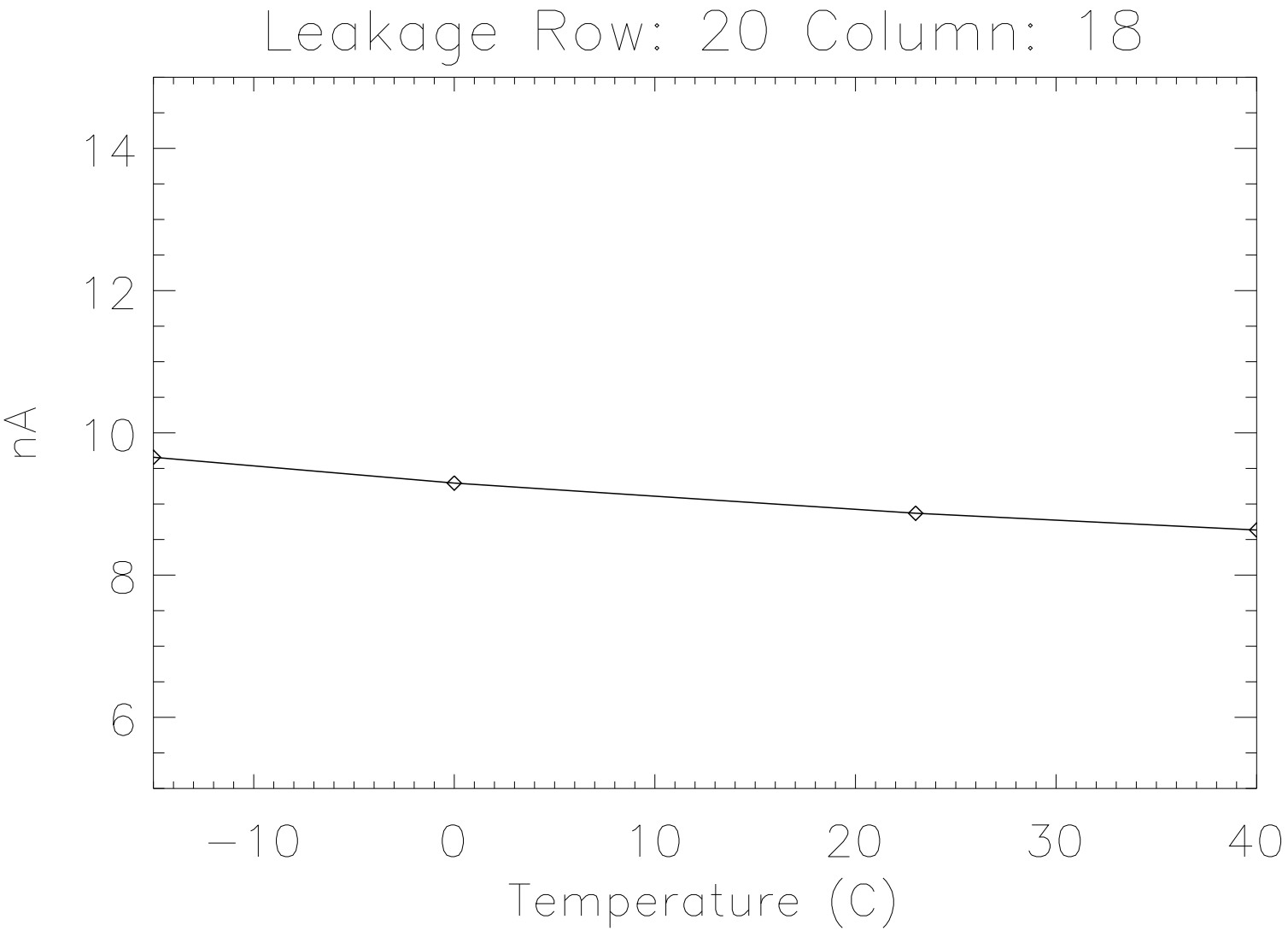

Preamp Row: 20 Column: 16
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

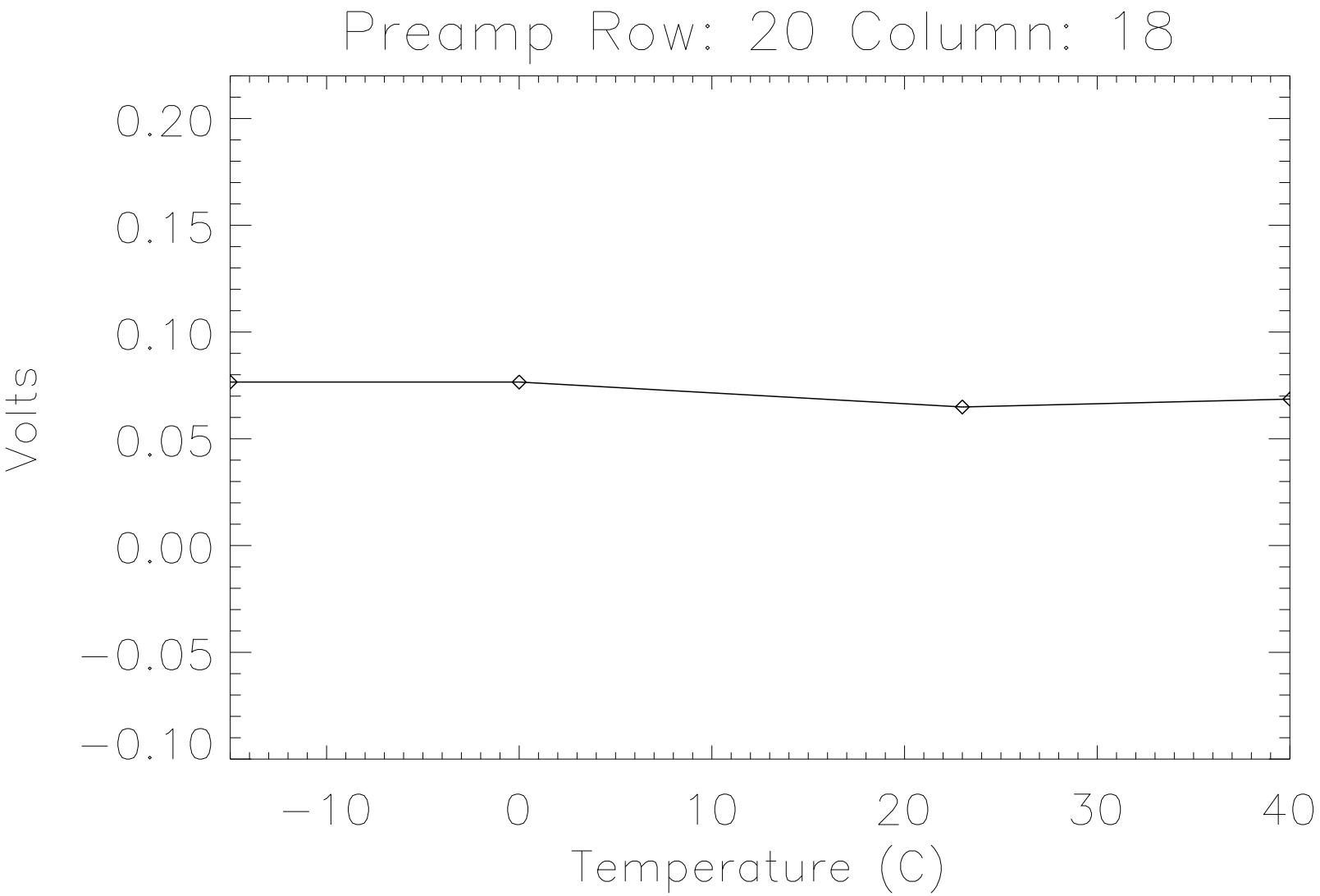

Shaper Row: 20 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

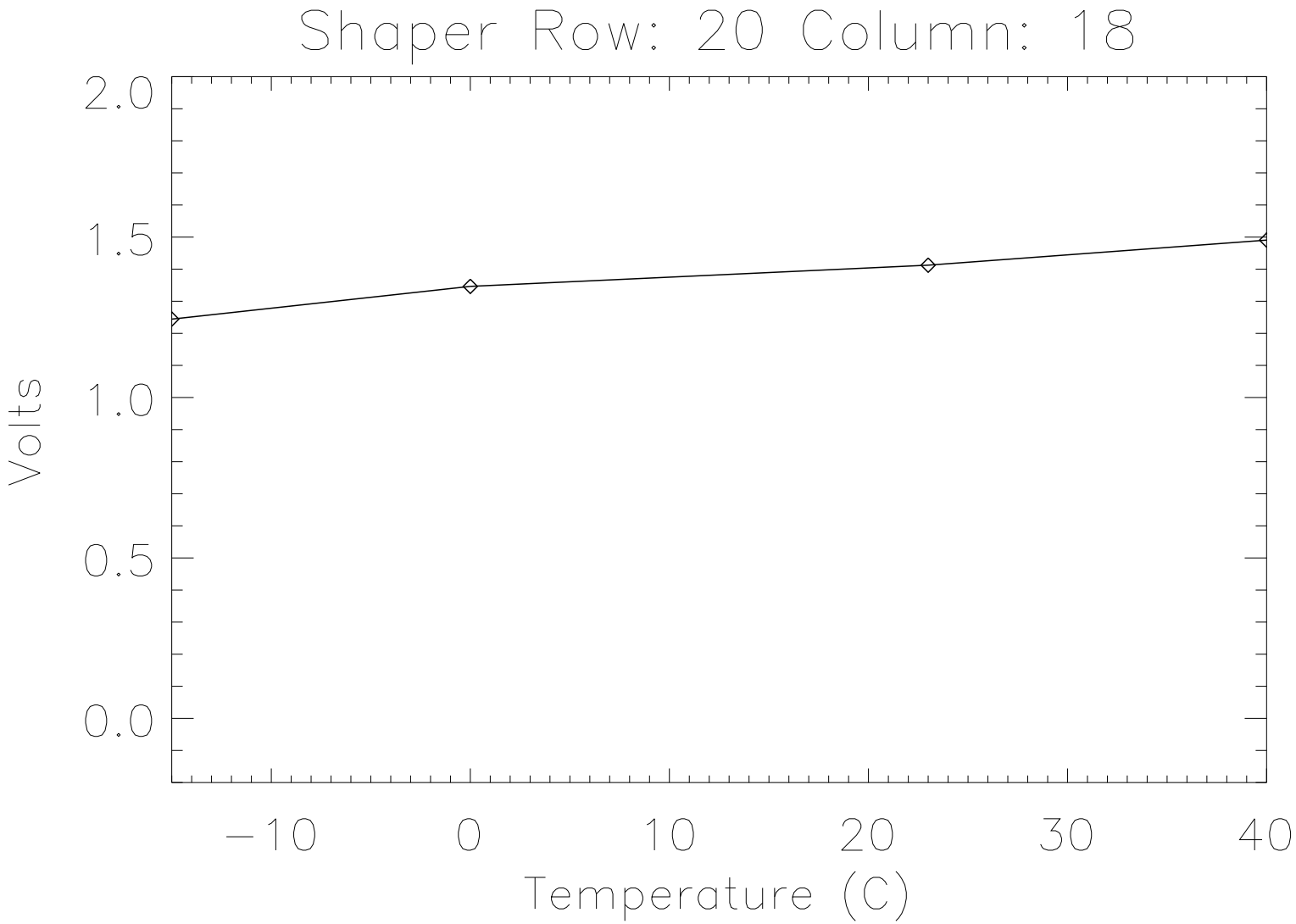

Leakage Row: 20 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

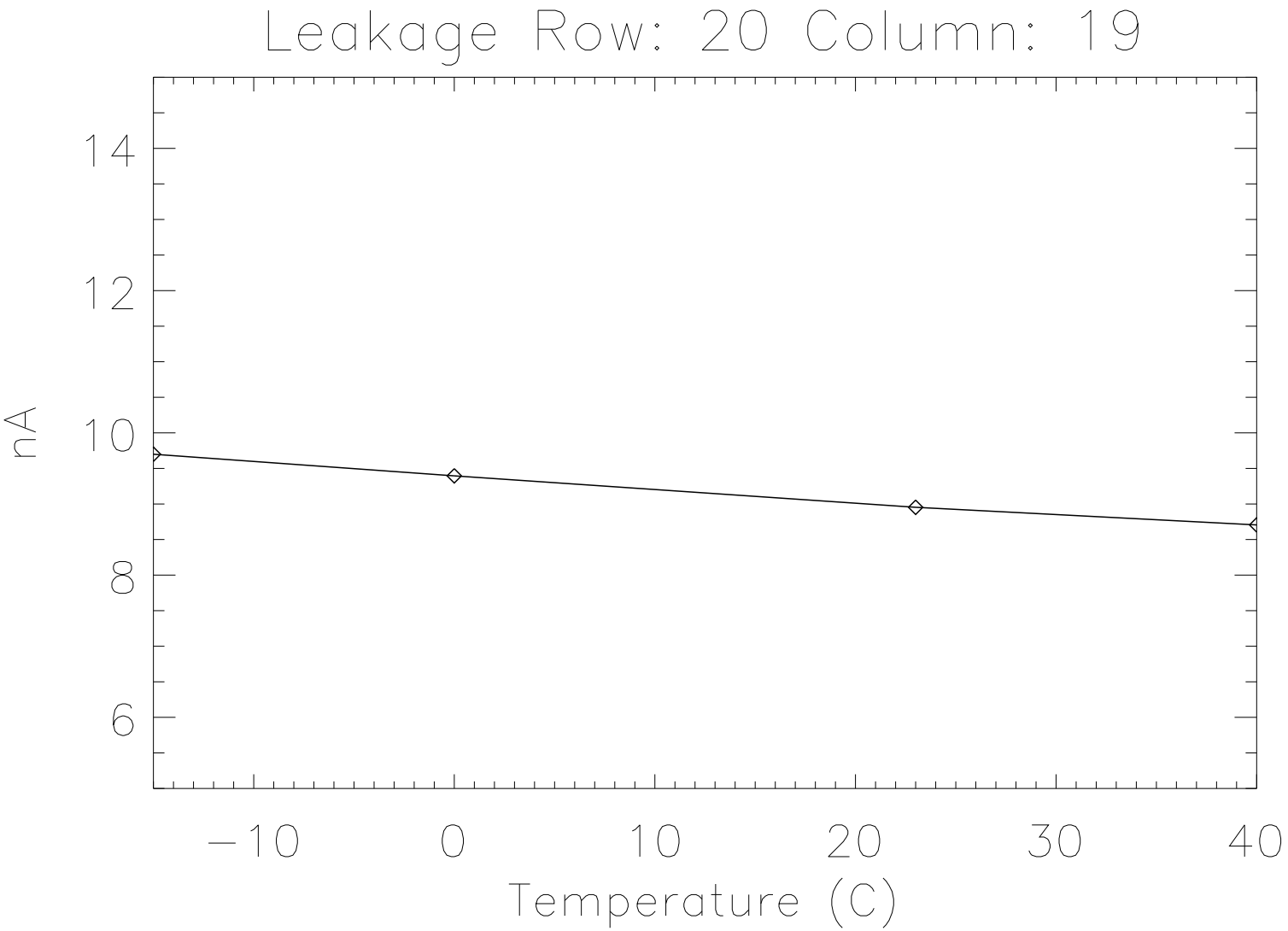

Preamp Row: 20 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

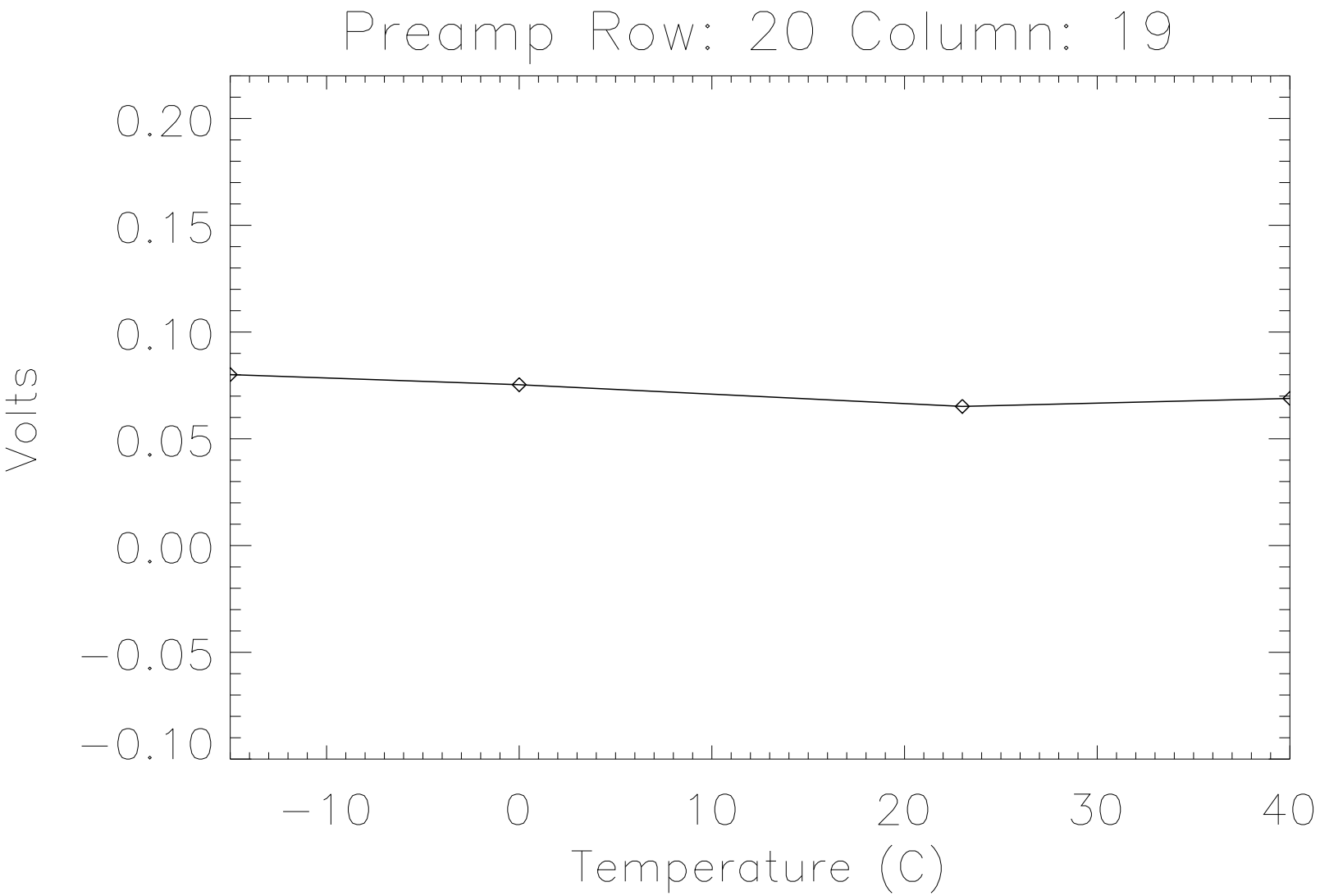

Shaper Row: 20 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

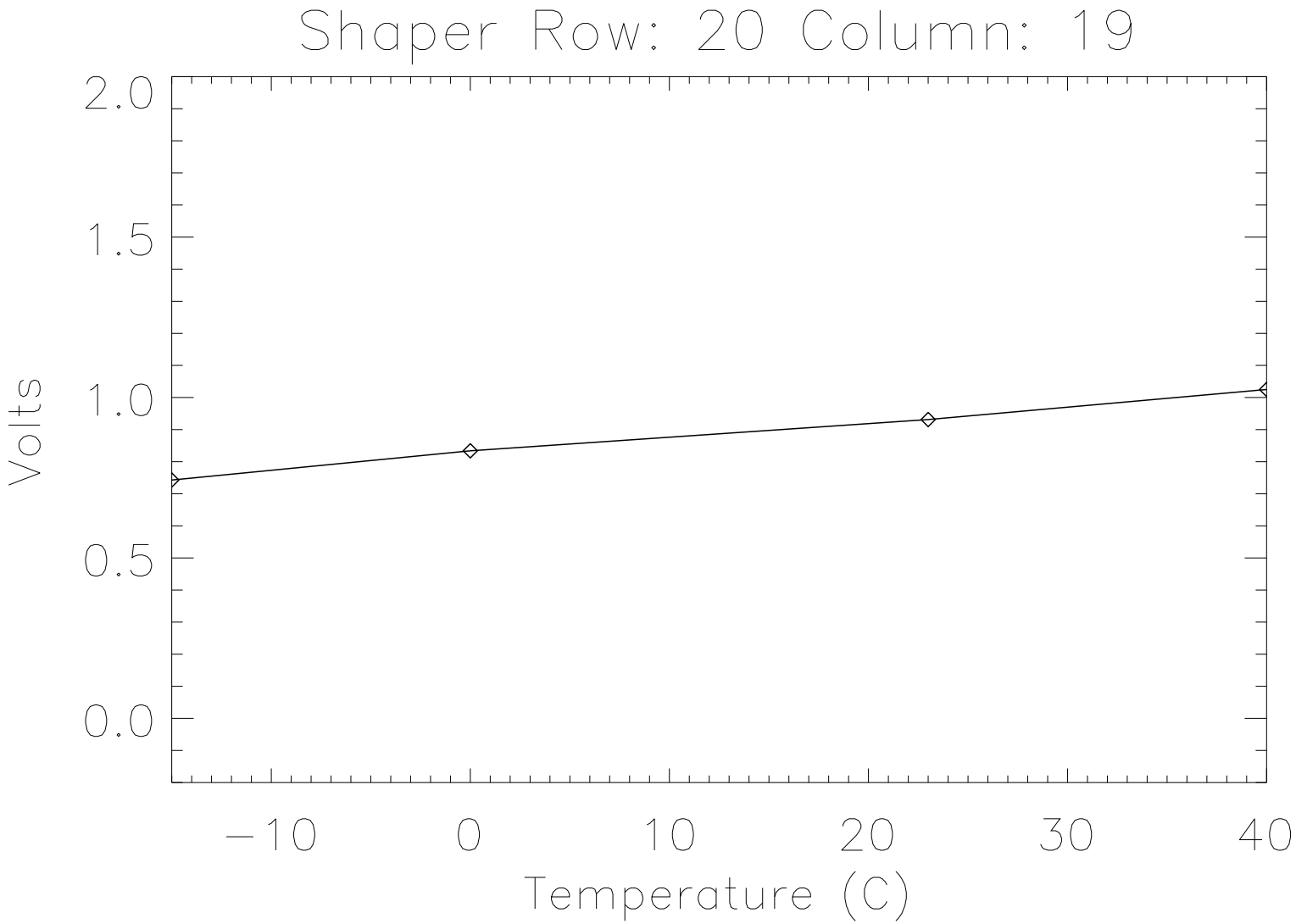

Leakage Row: 20 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

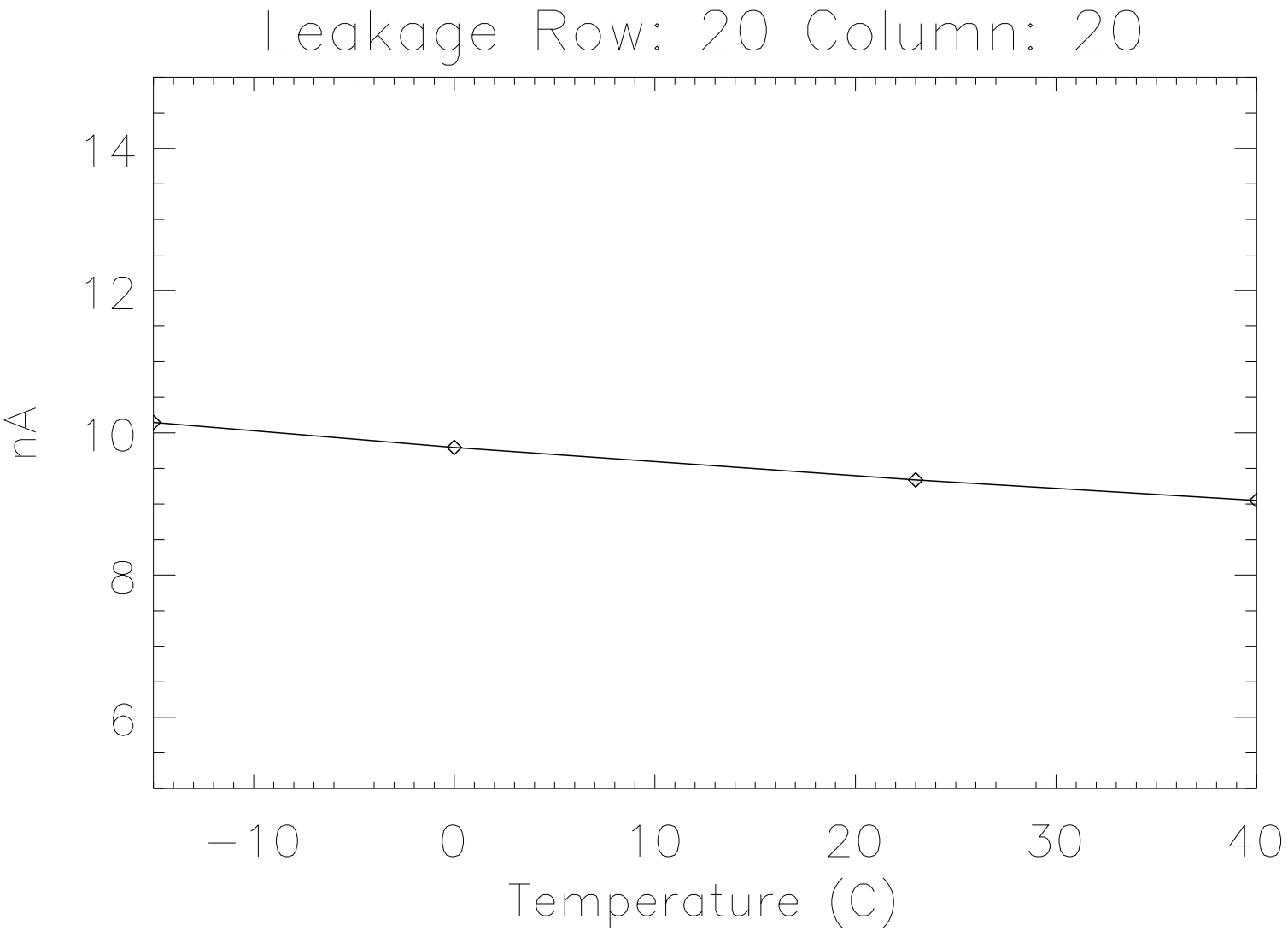

Preamp Row: 20 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

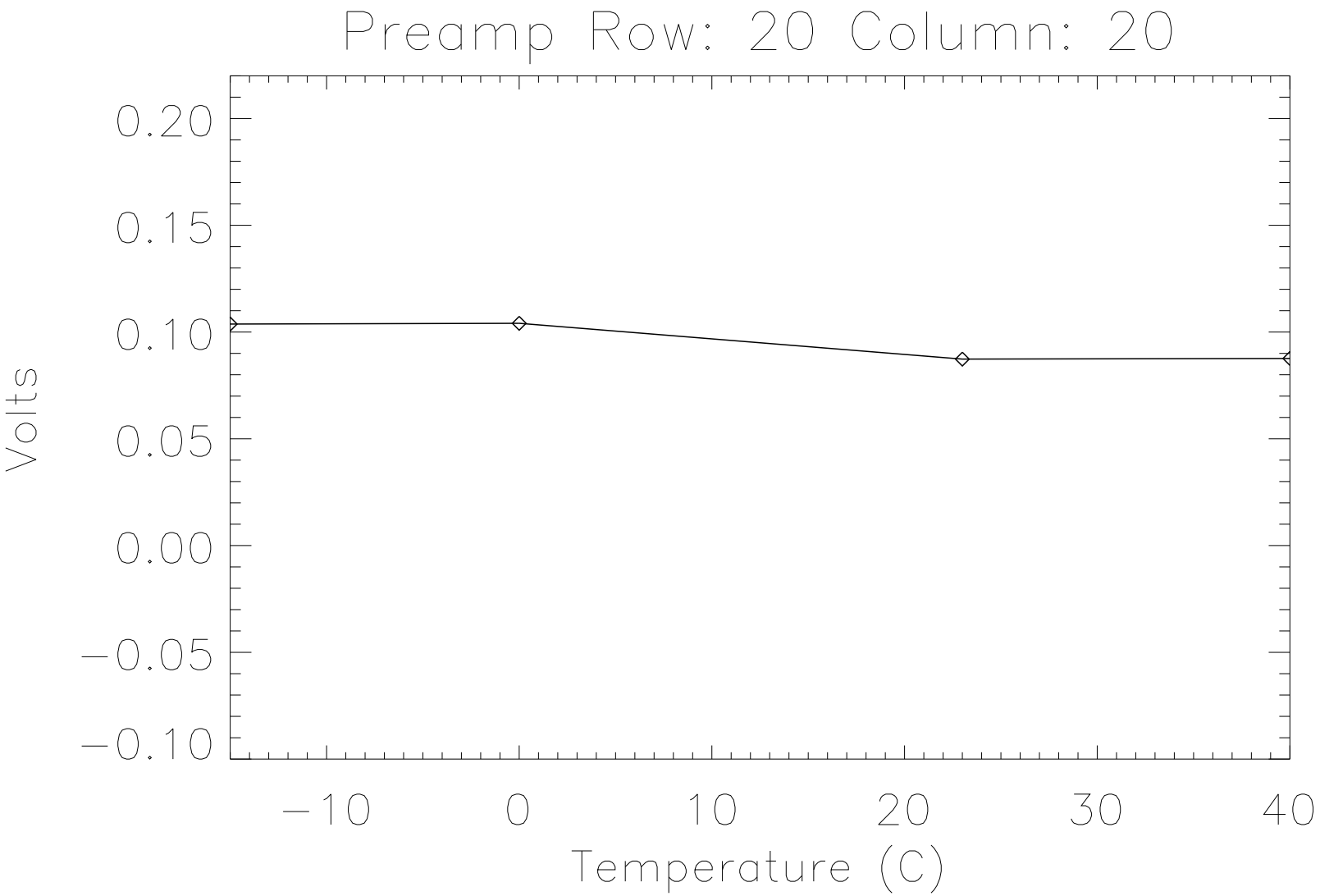

Shaper Row: 20 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

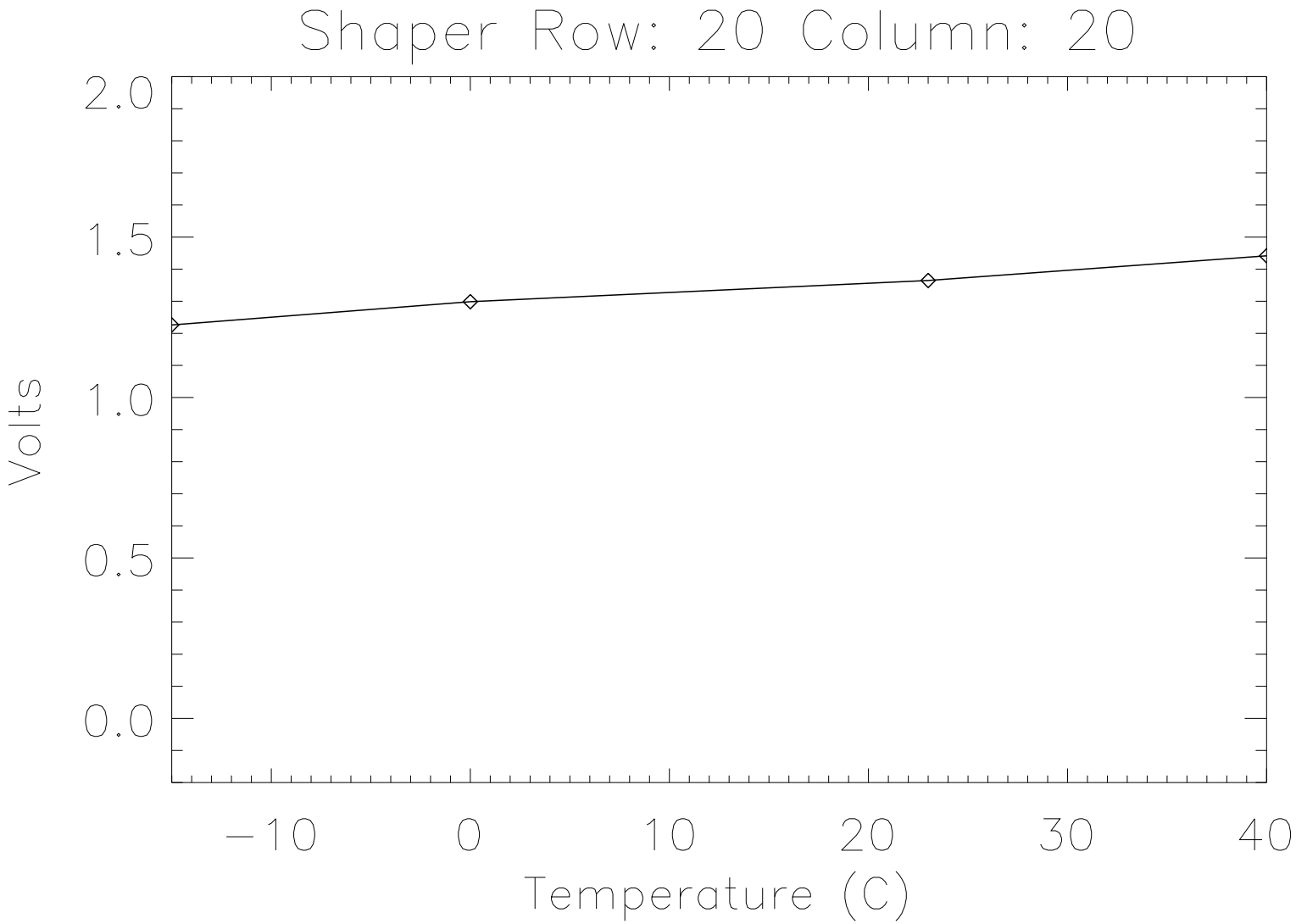

Leakage Row: 20 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

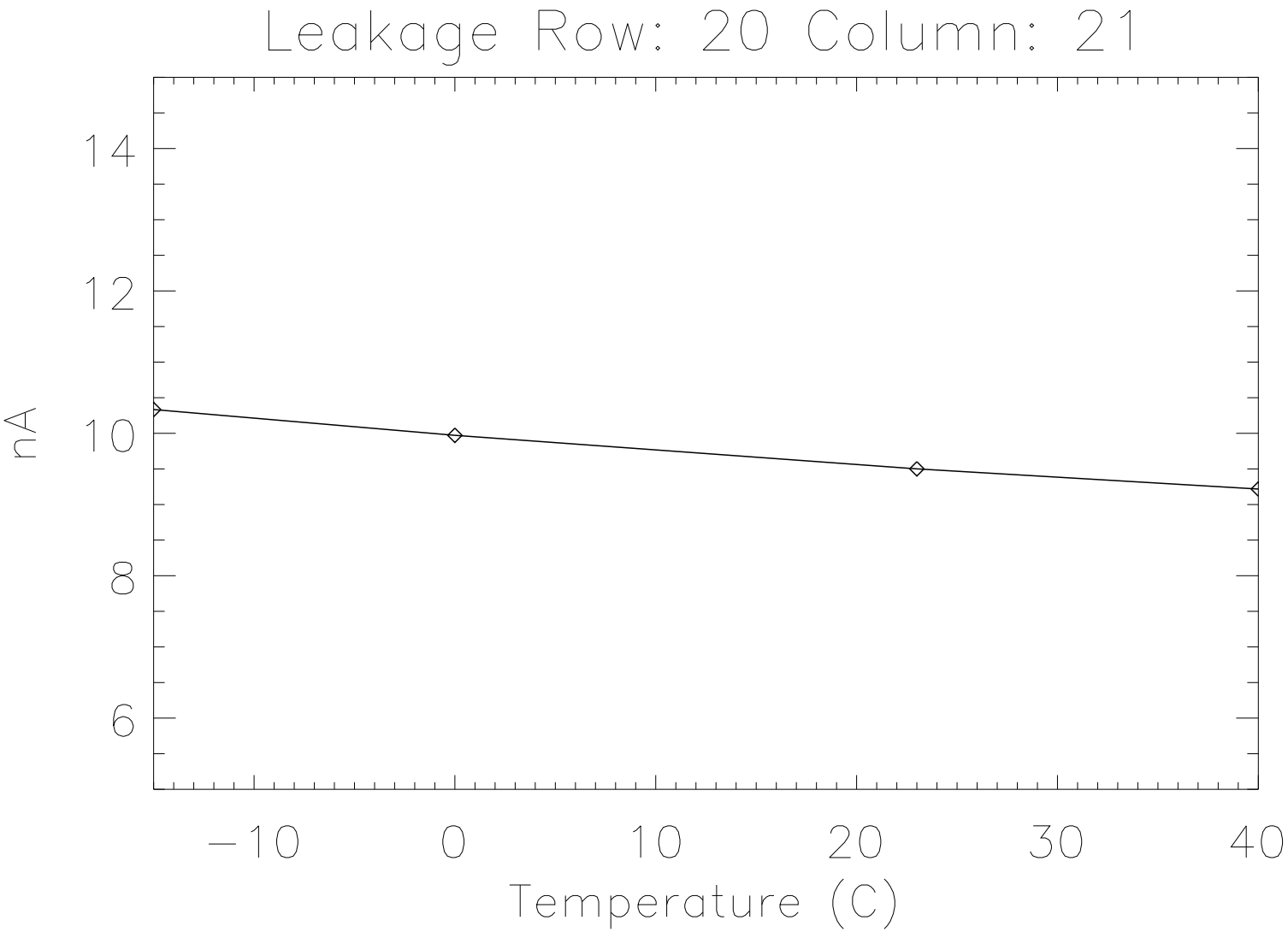

Preamp Row: 20 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

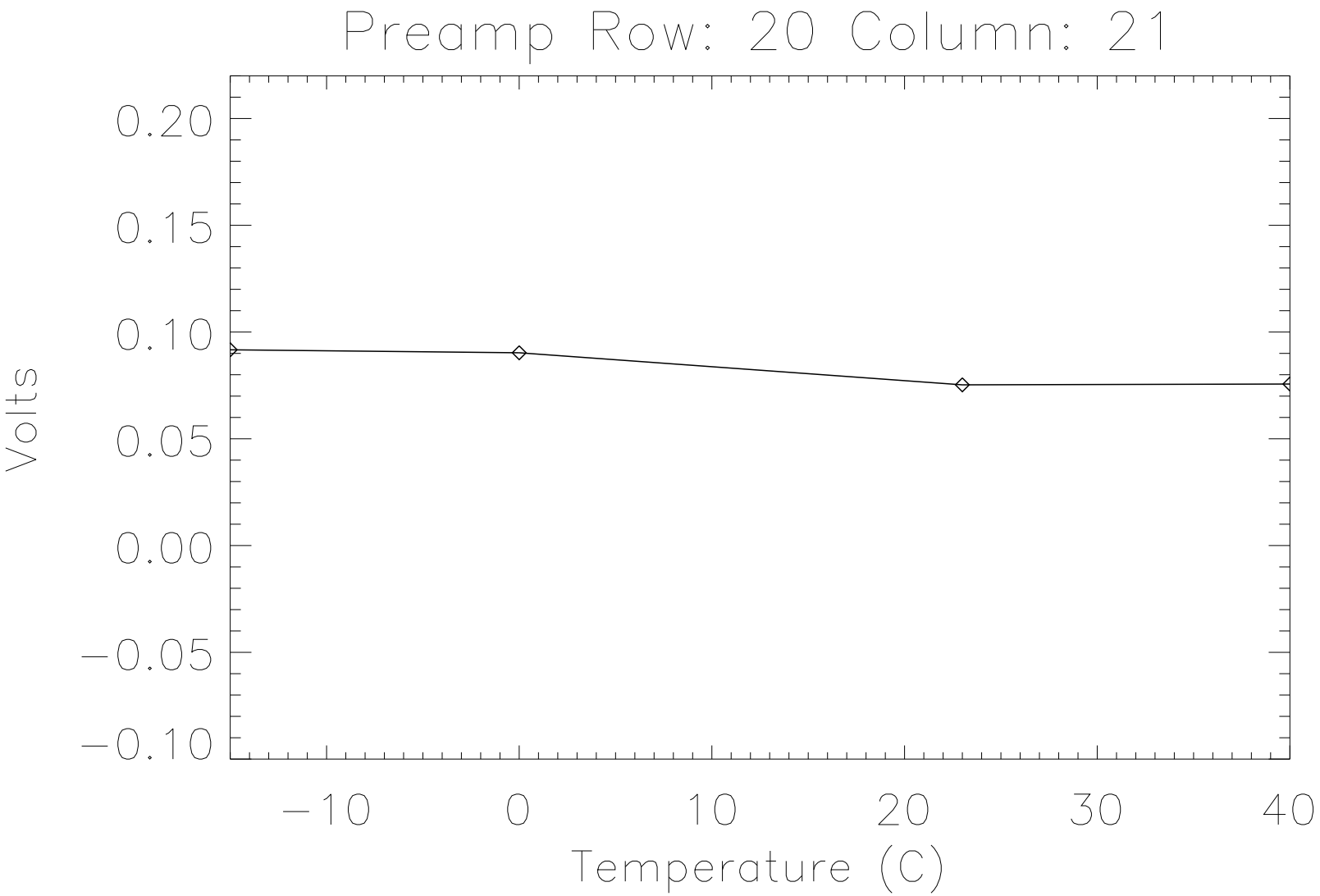

Shaper Row: 20 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

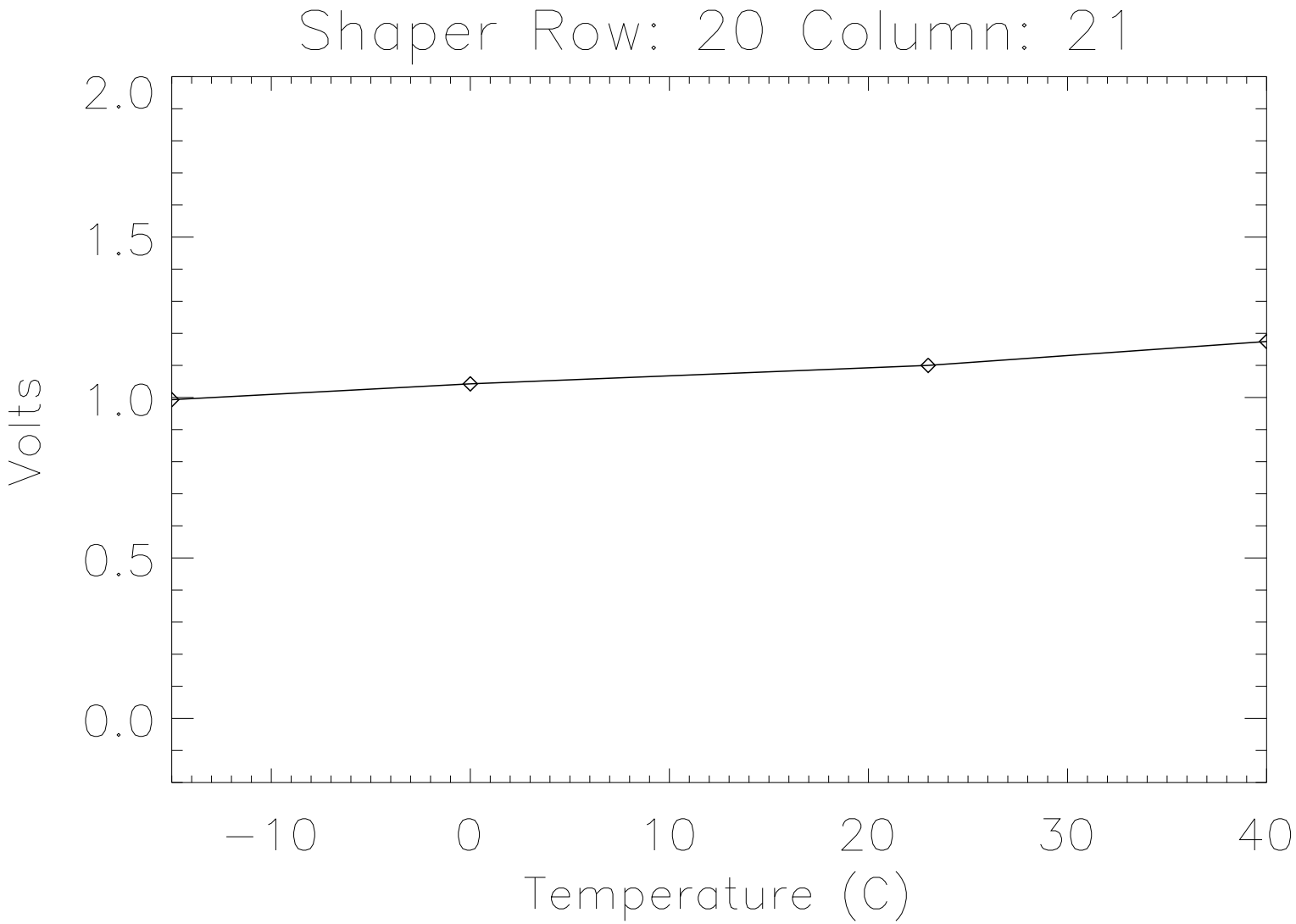

Leakage Row: 20 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

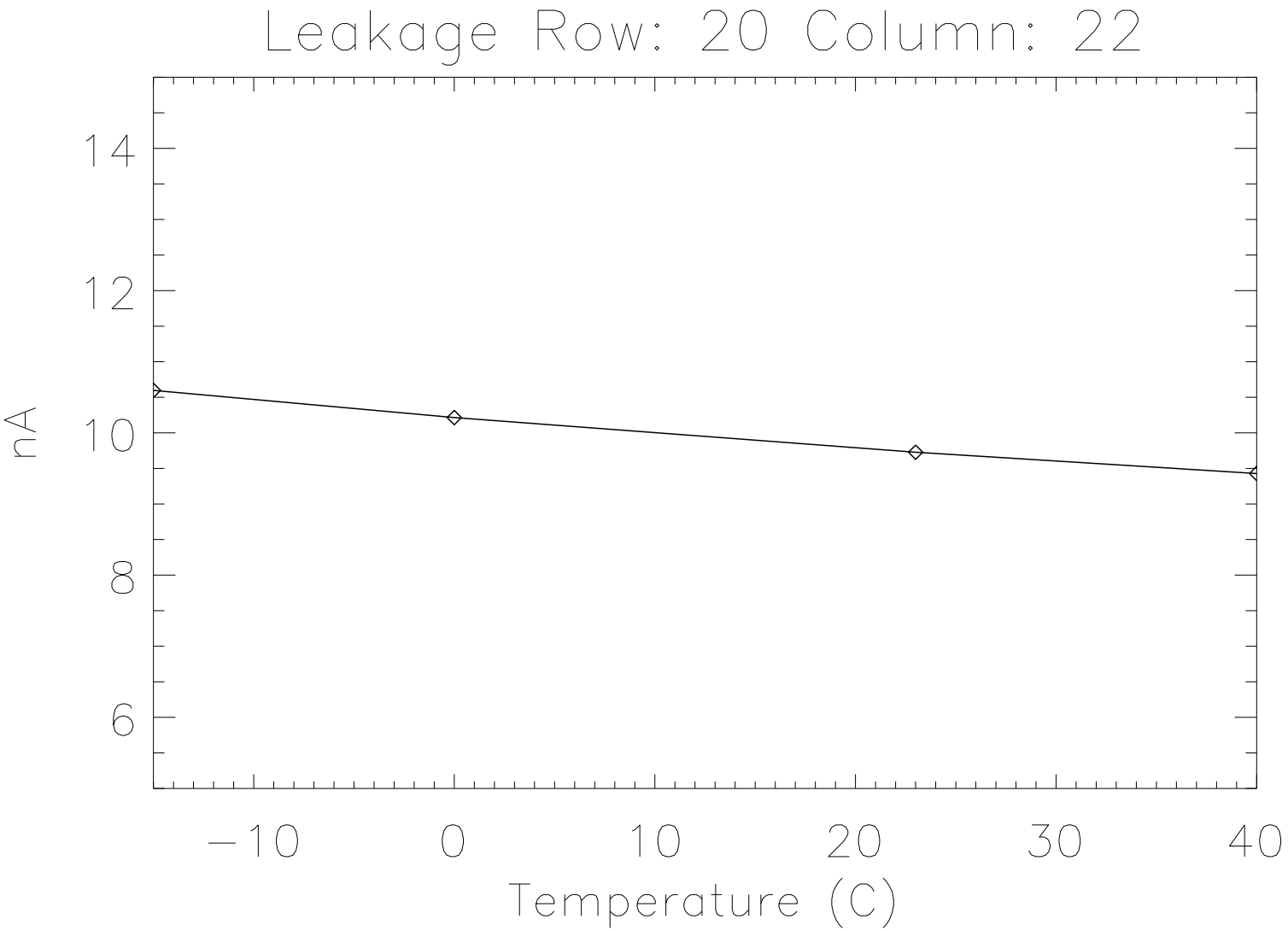

Preamp Row: 20 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

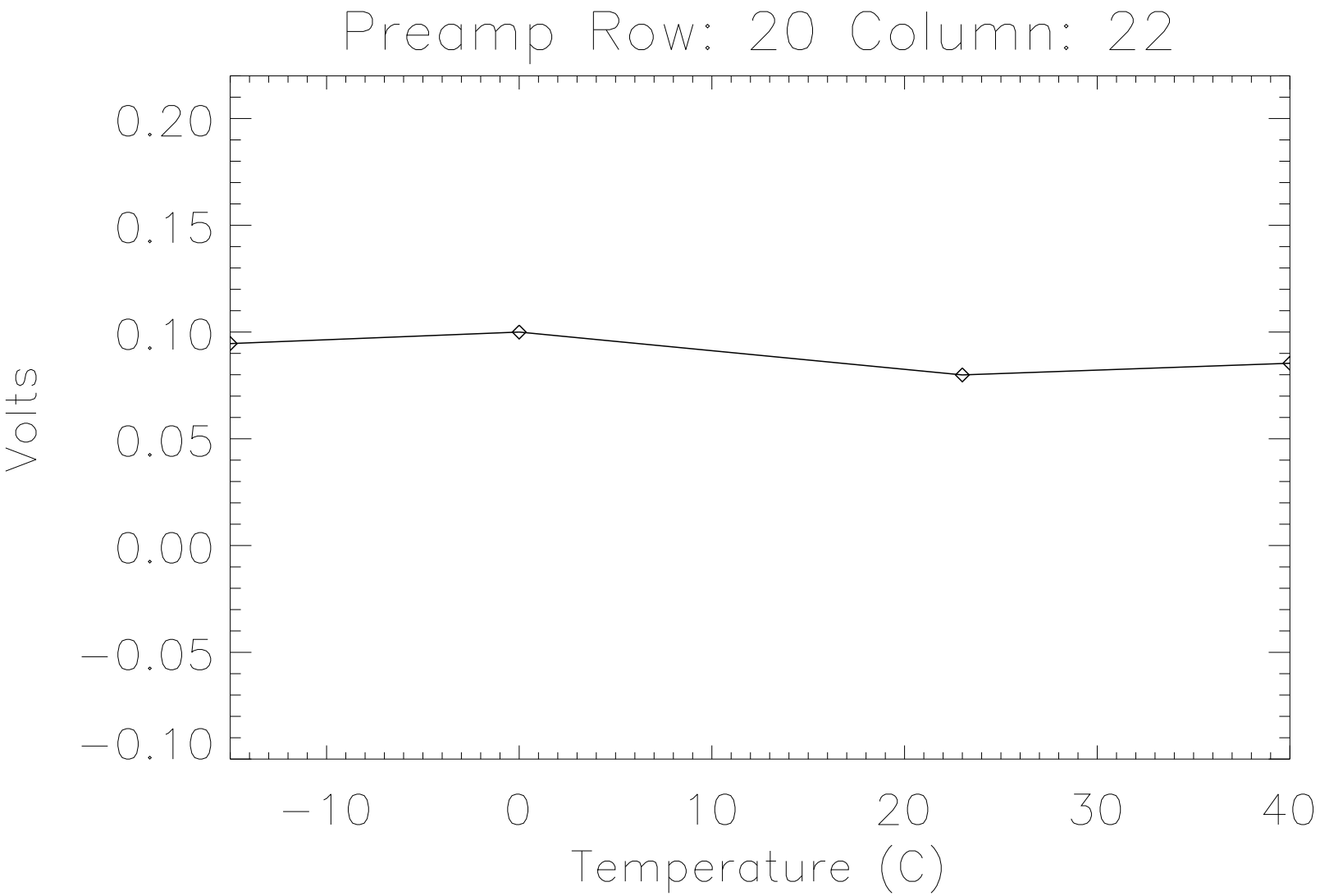

Shaper Row: 20 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 20 Column: 21
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 20 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 20 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 20 Column: 22
0.20
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0.10
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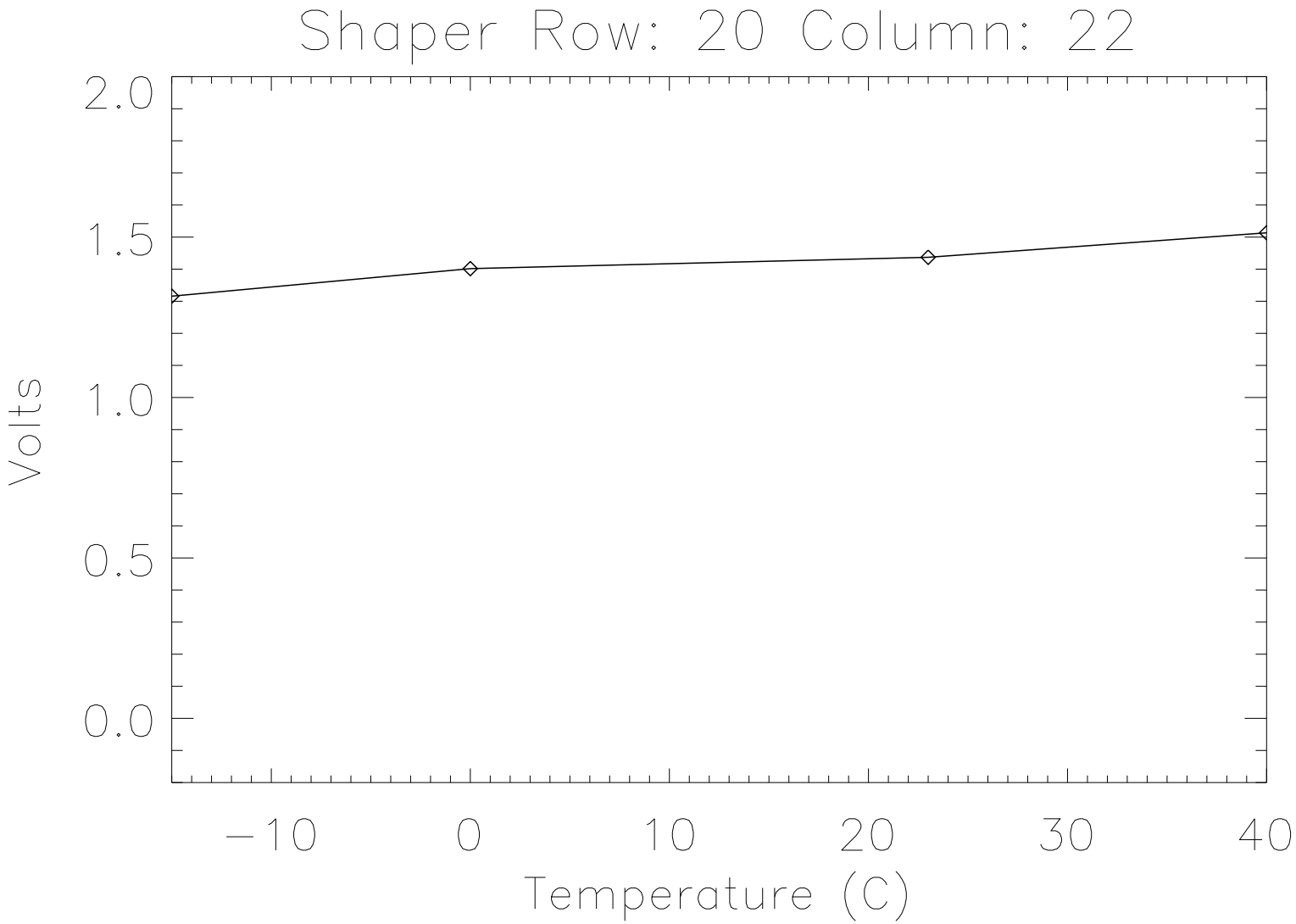
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 22
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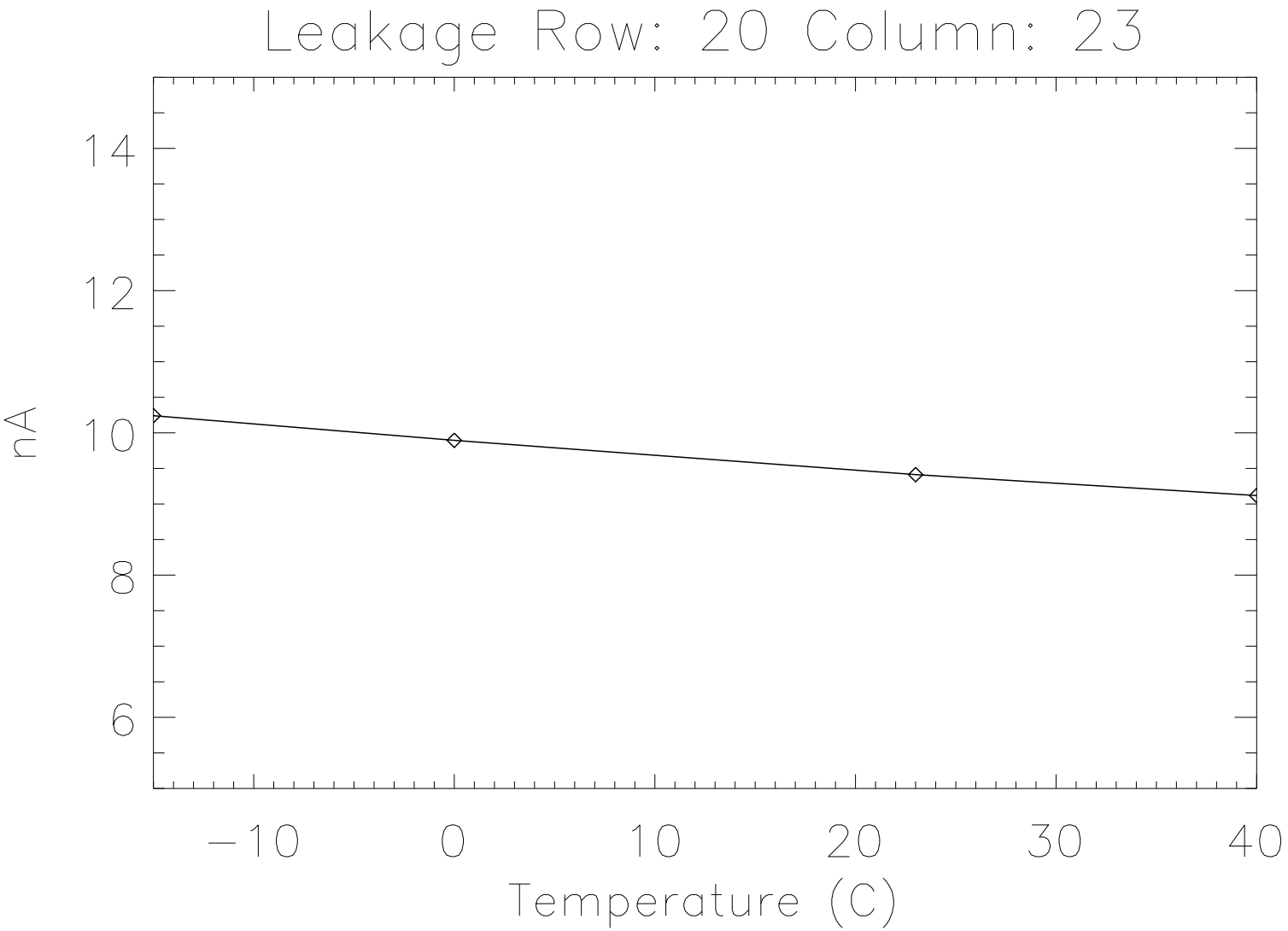
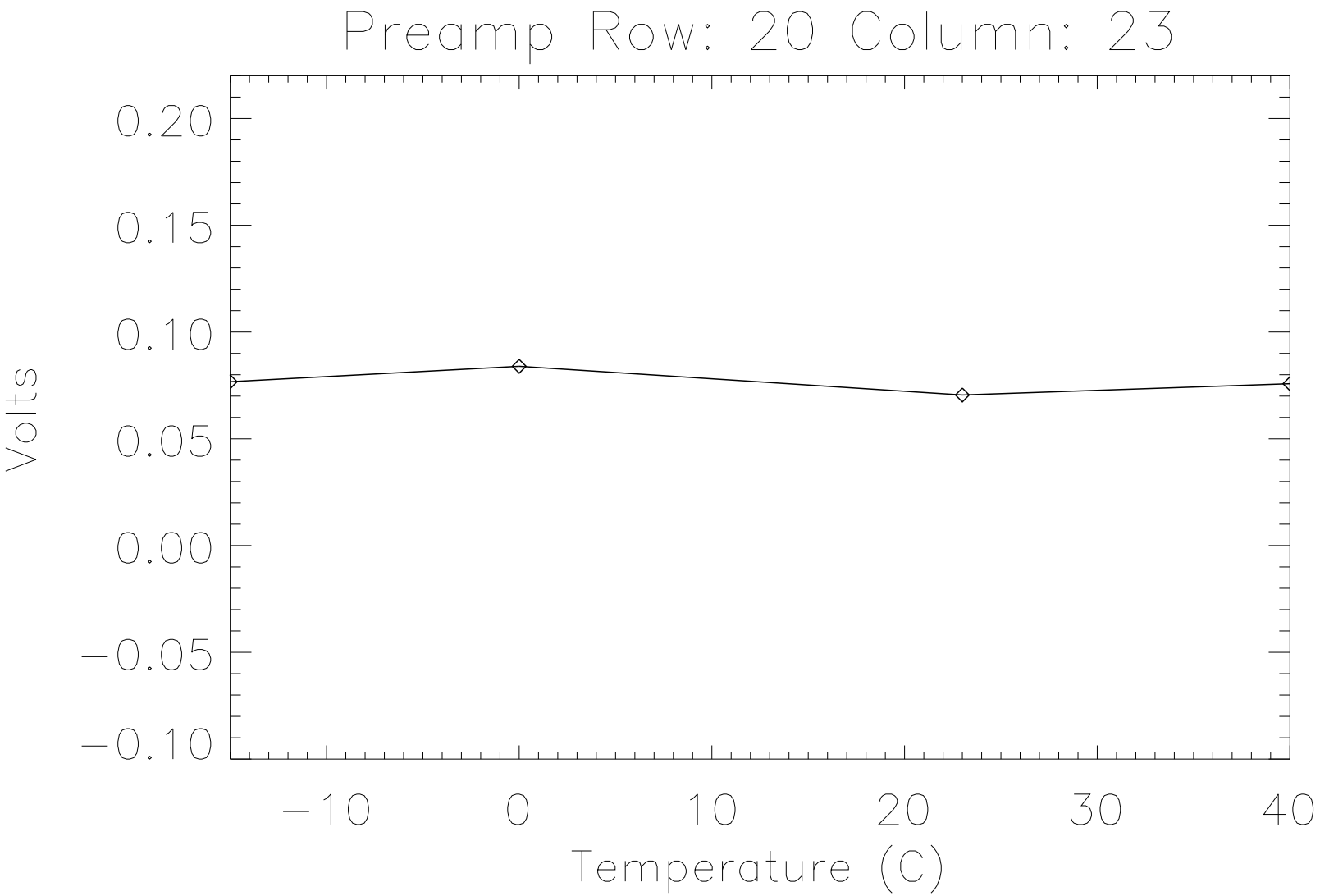
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 20 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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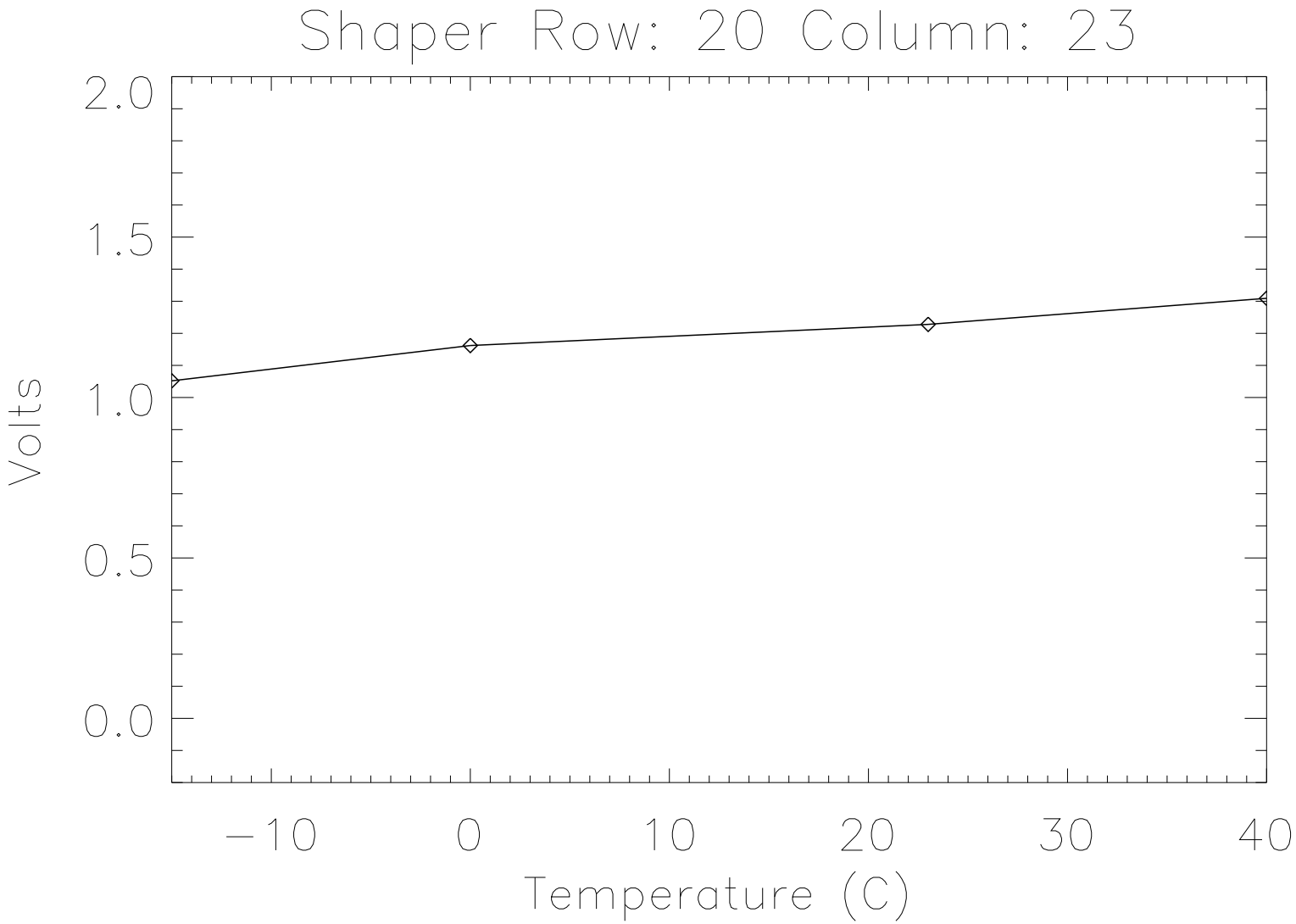
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 23
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1.5
1.0
0.5
0.0
Volts
−10
0
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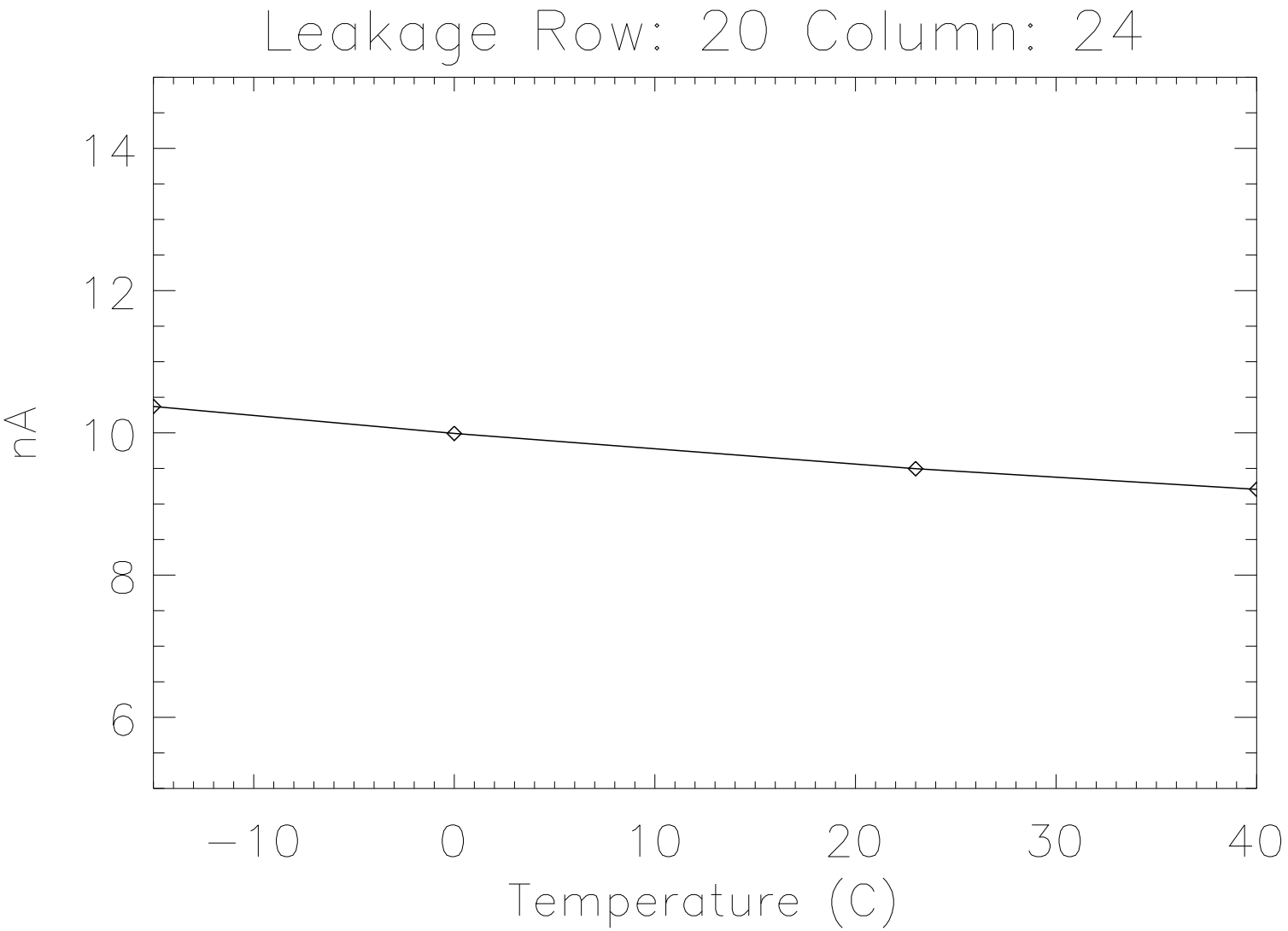
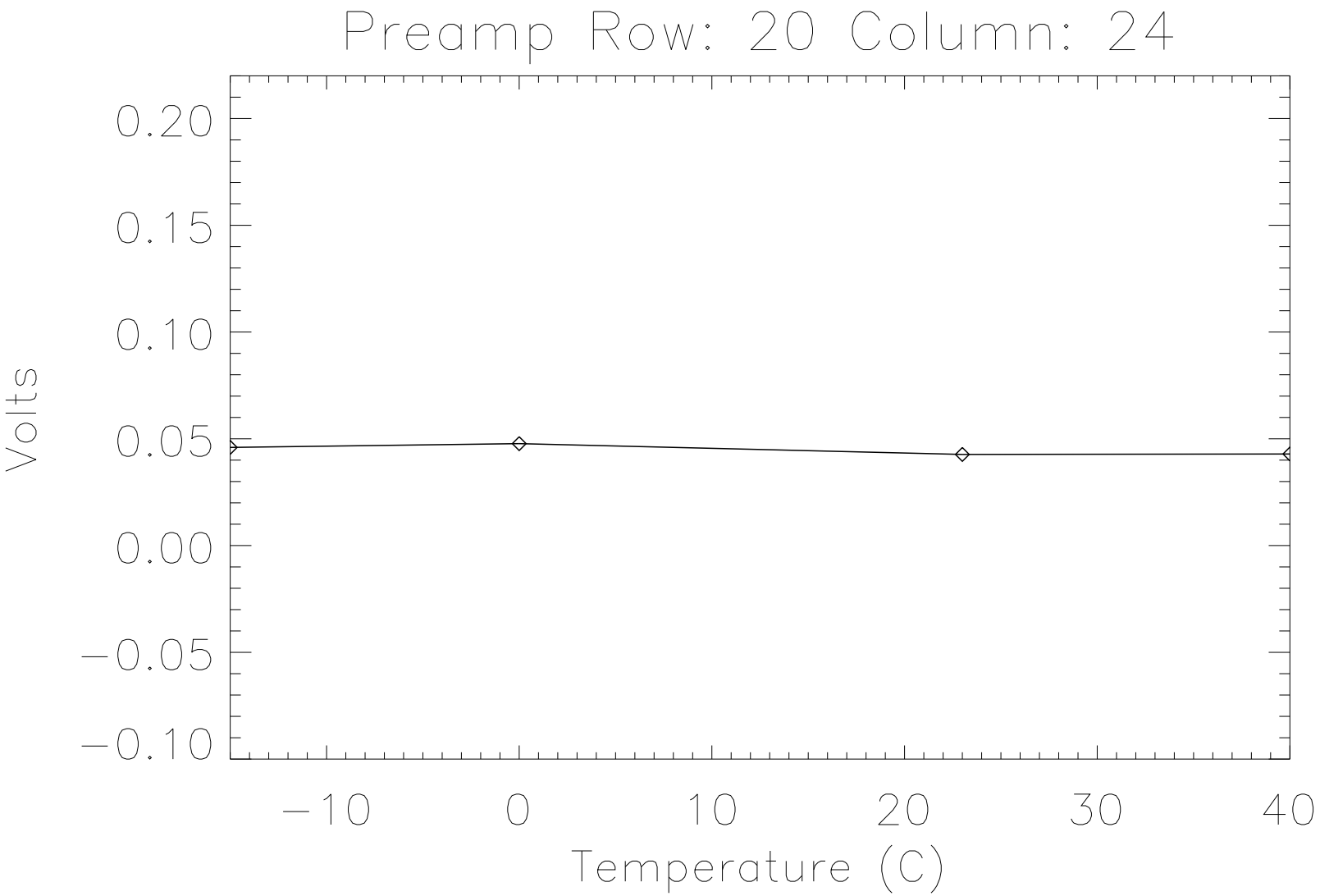
20
30
40
Temperature (C)


Leakage Row: 20 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 20 Column: 24
0.20
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0.10
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0.00
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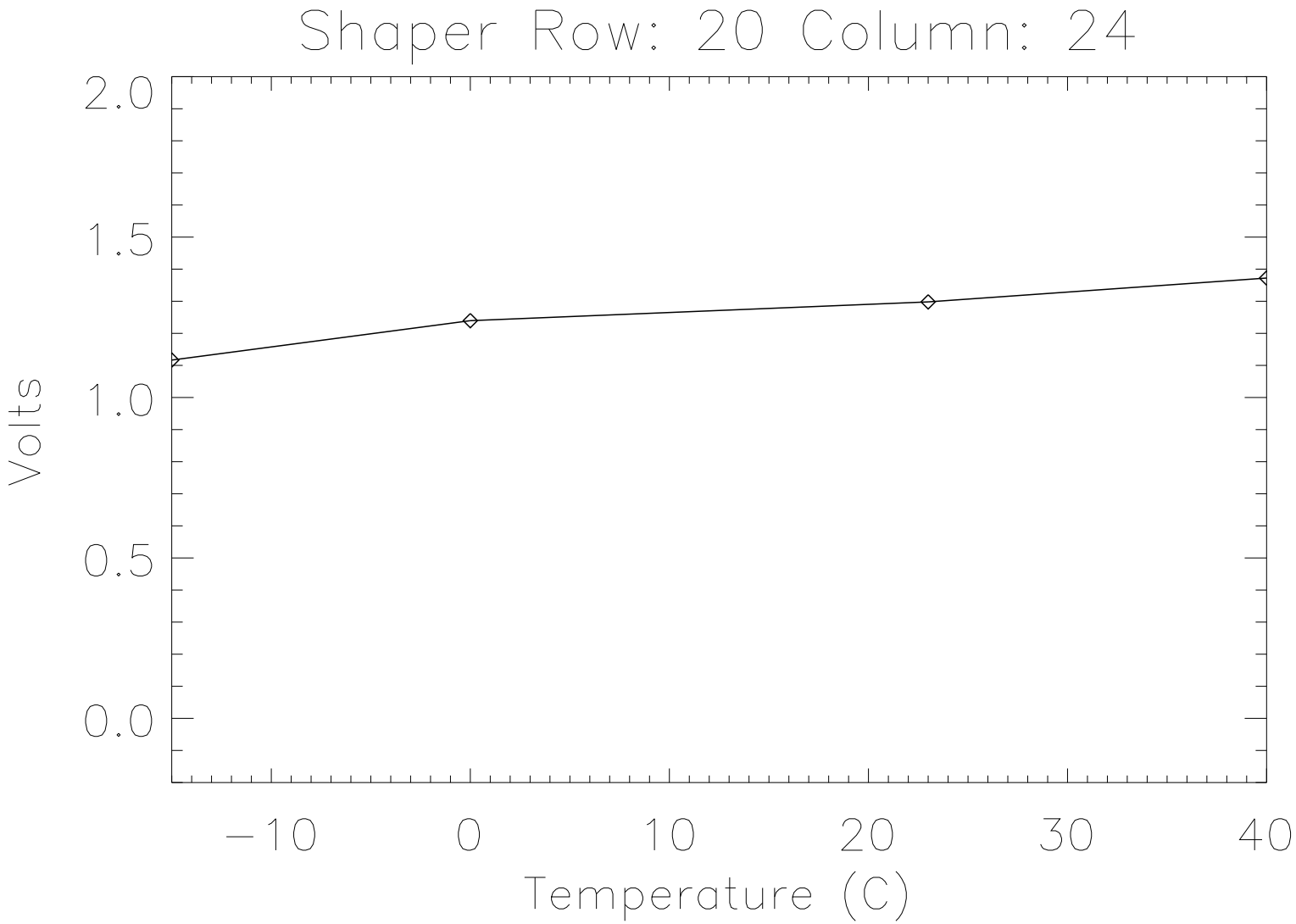
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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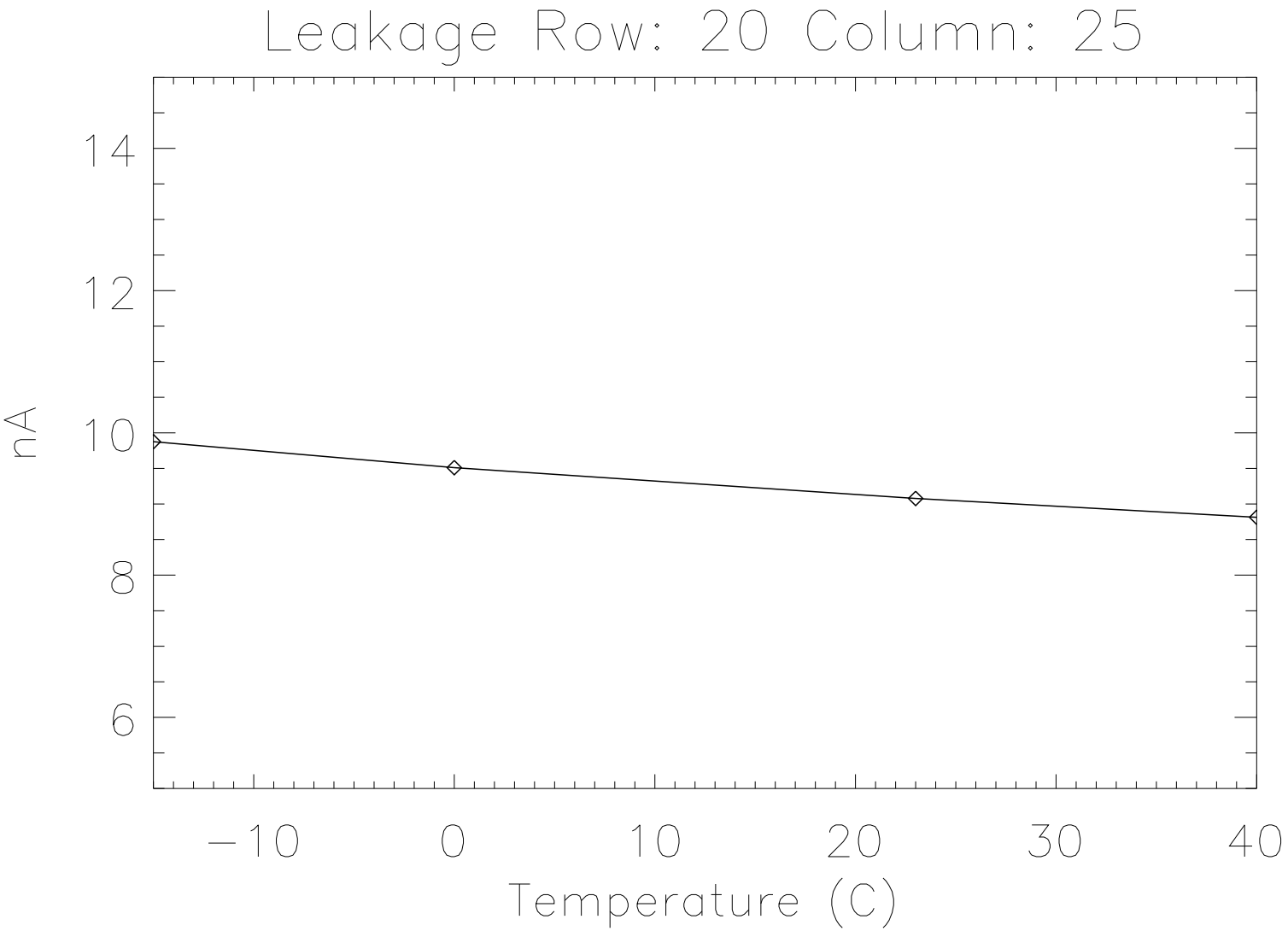
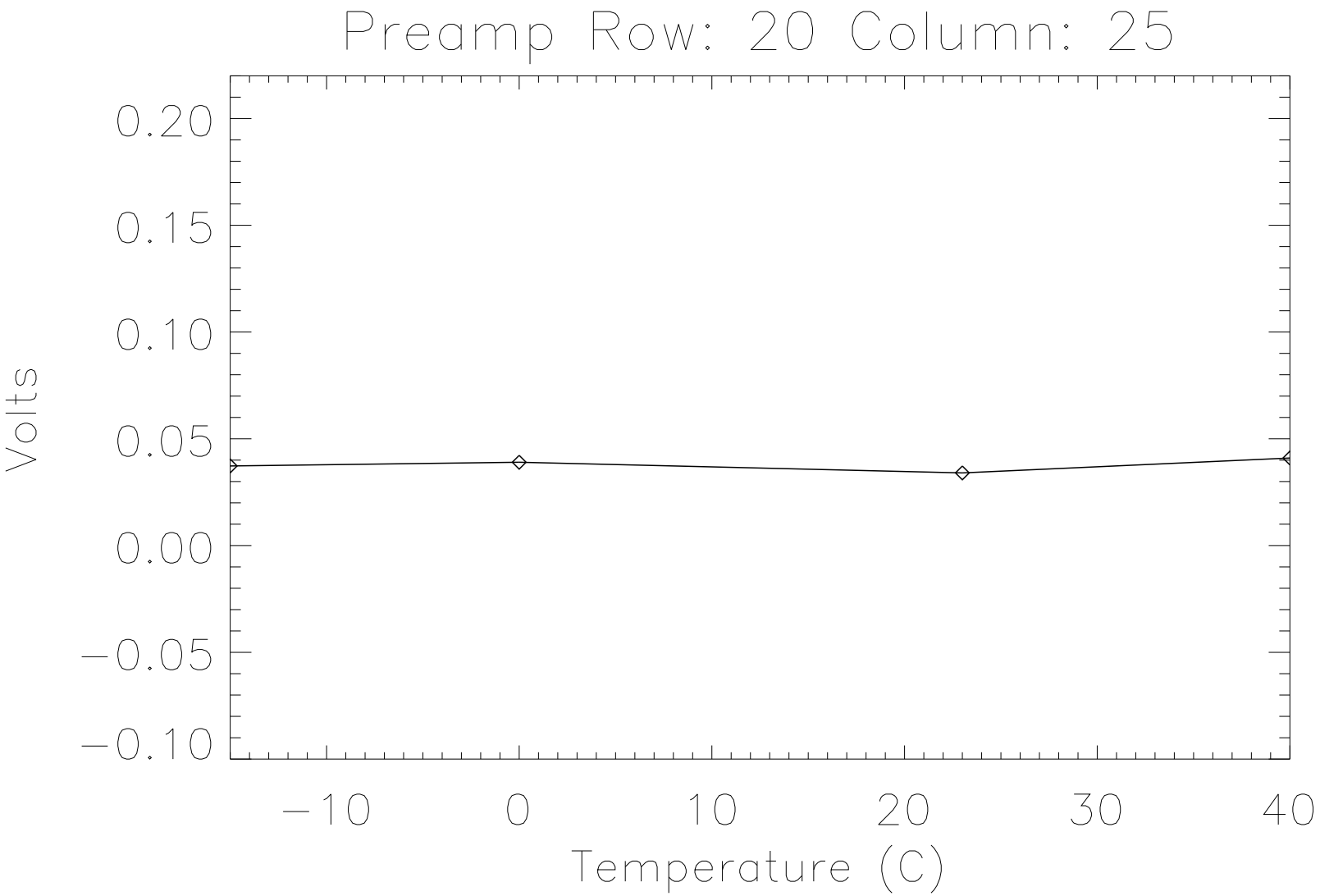
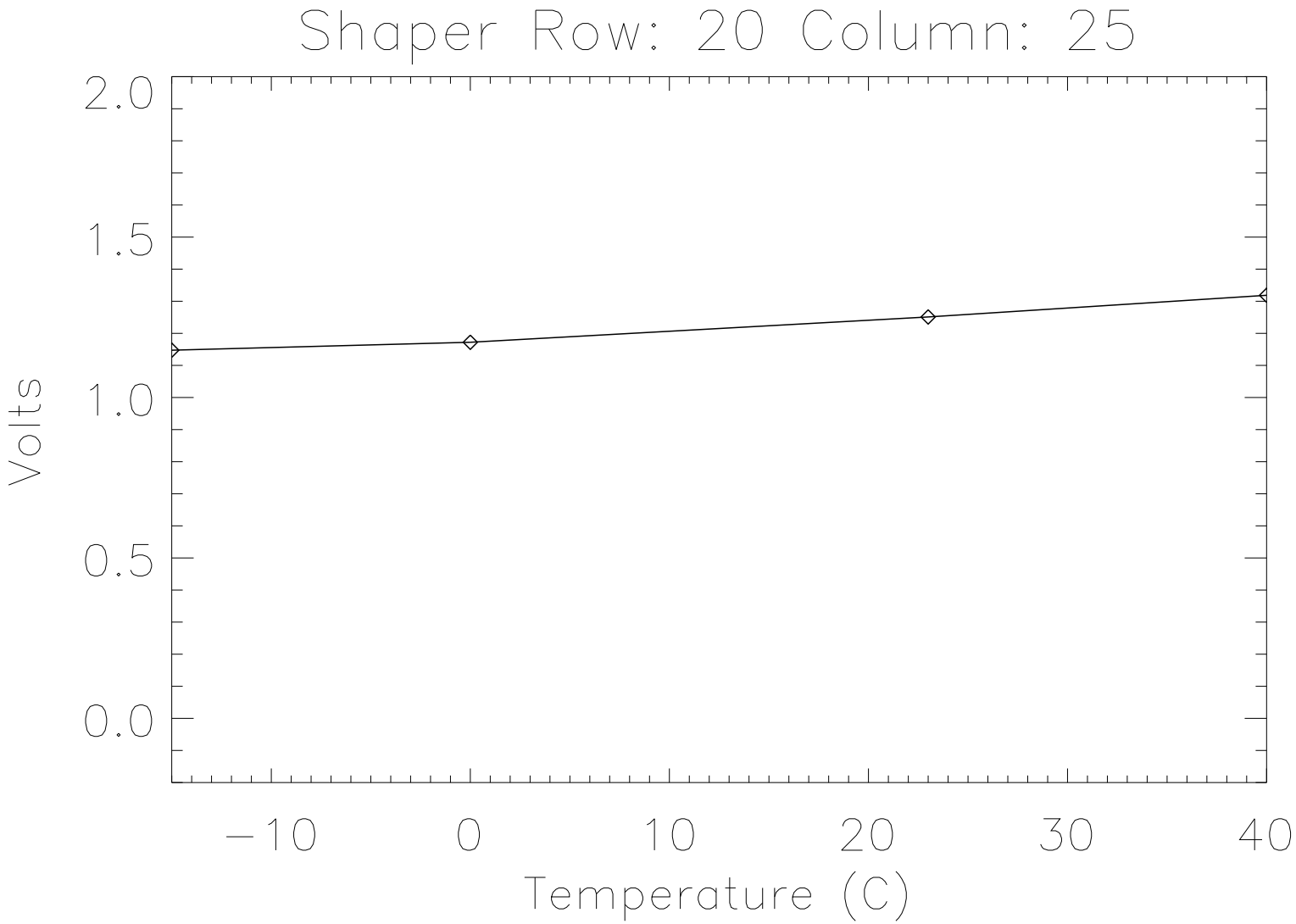
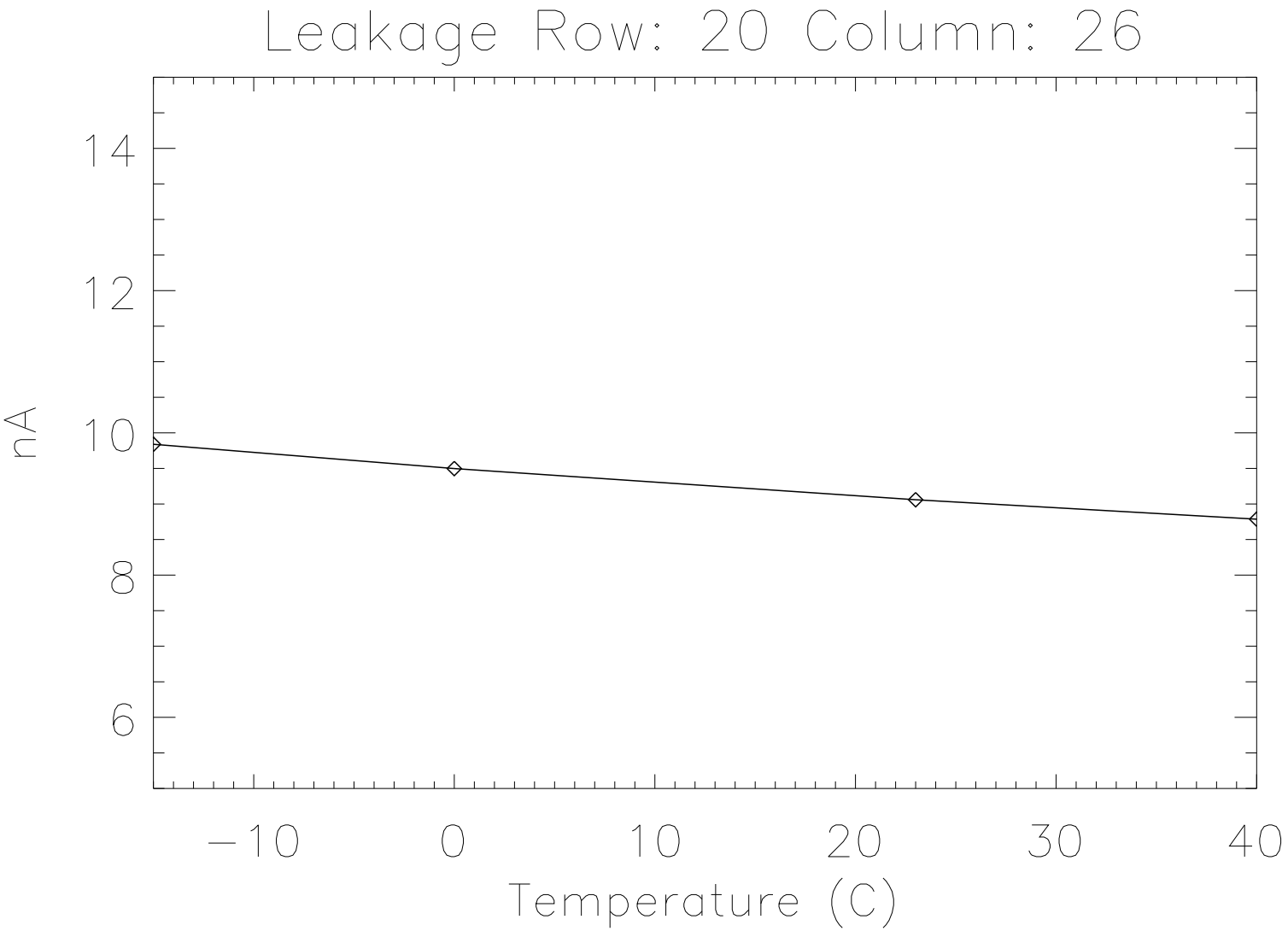
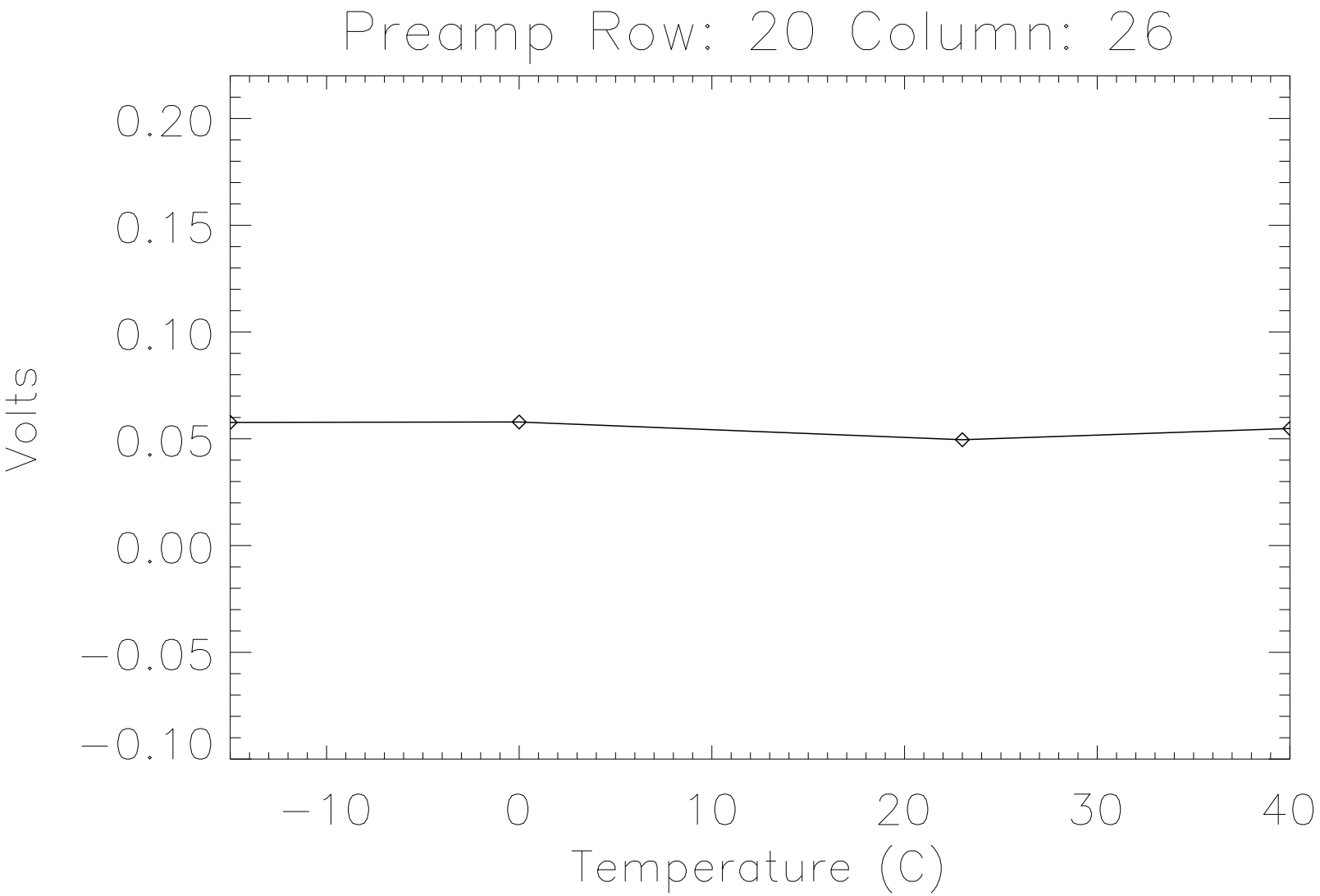
20
30
40
Temperature (C)


Leakage Row: 20 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 20 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 20 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 20 Column: 26
0.20
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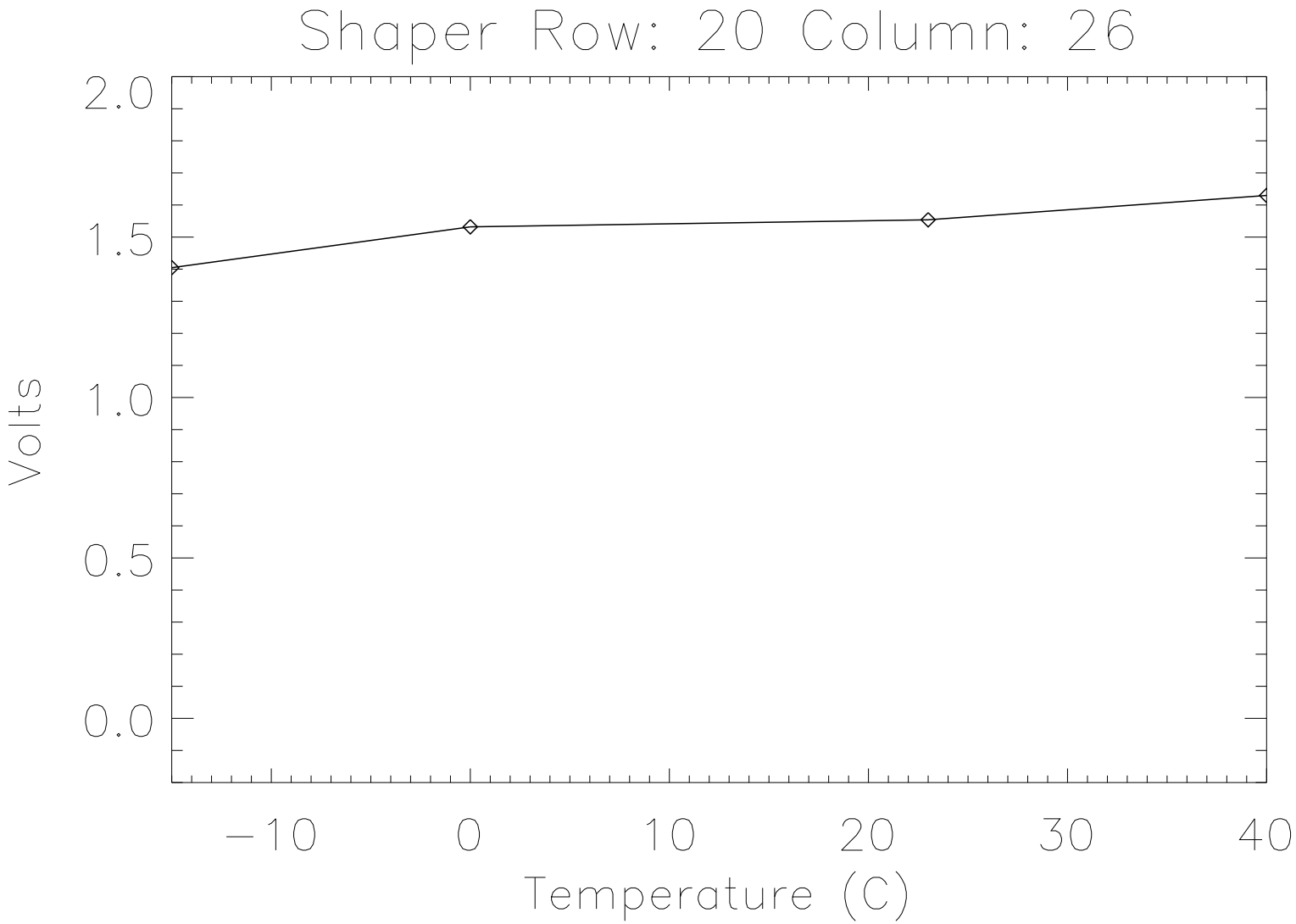
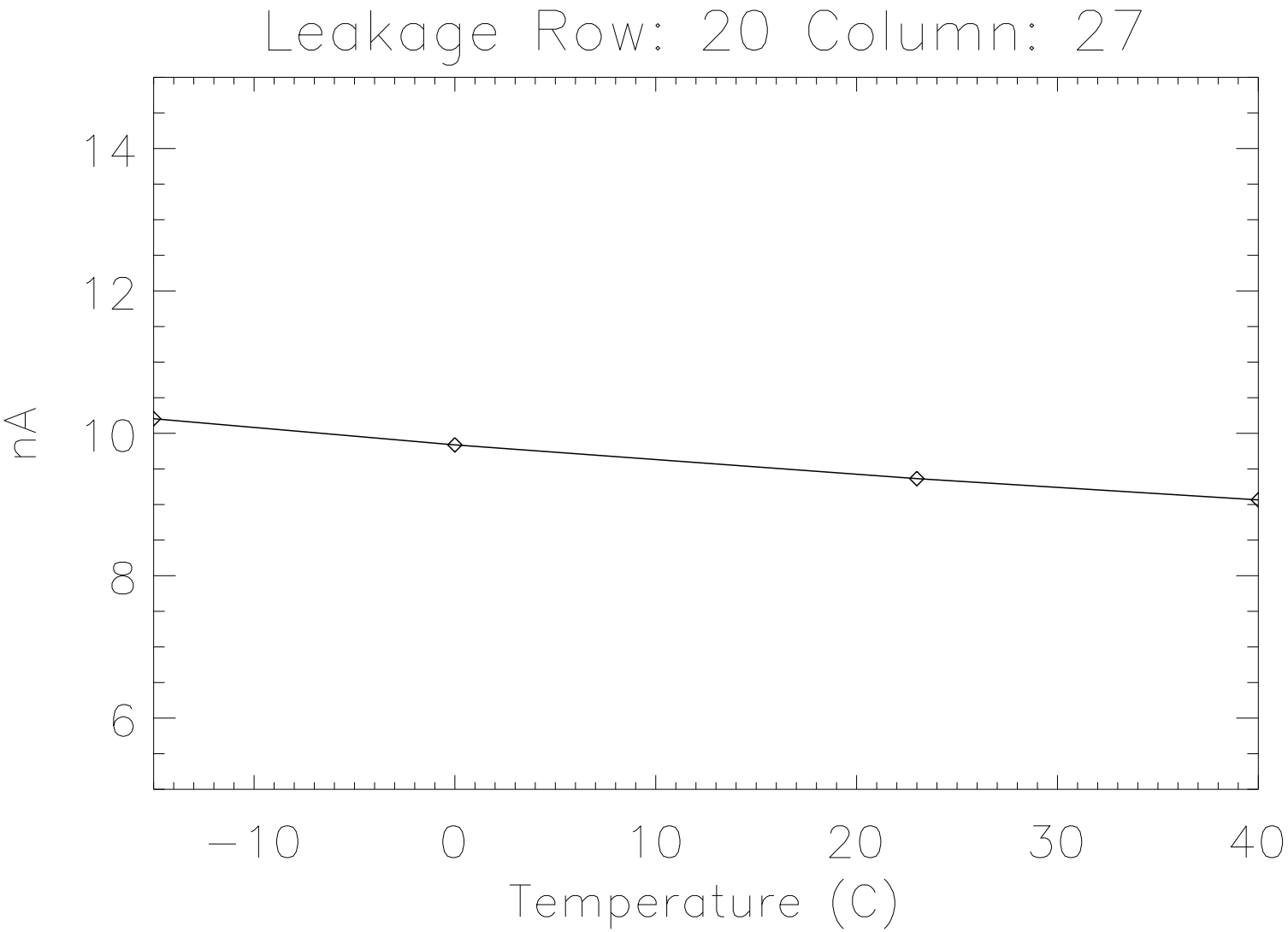
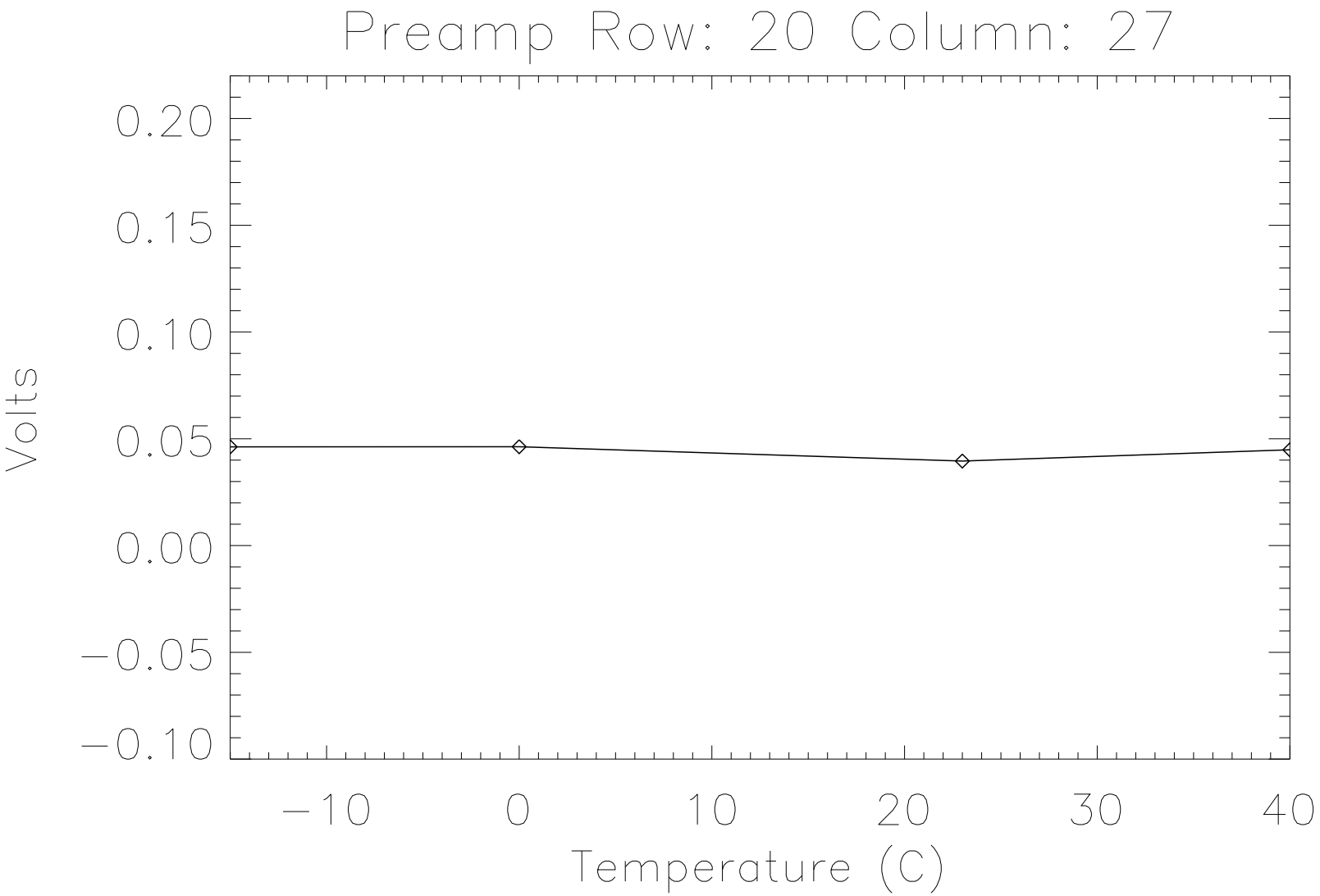
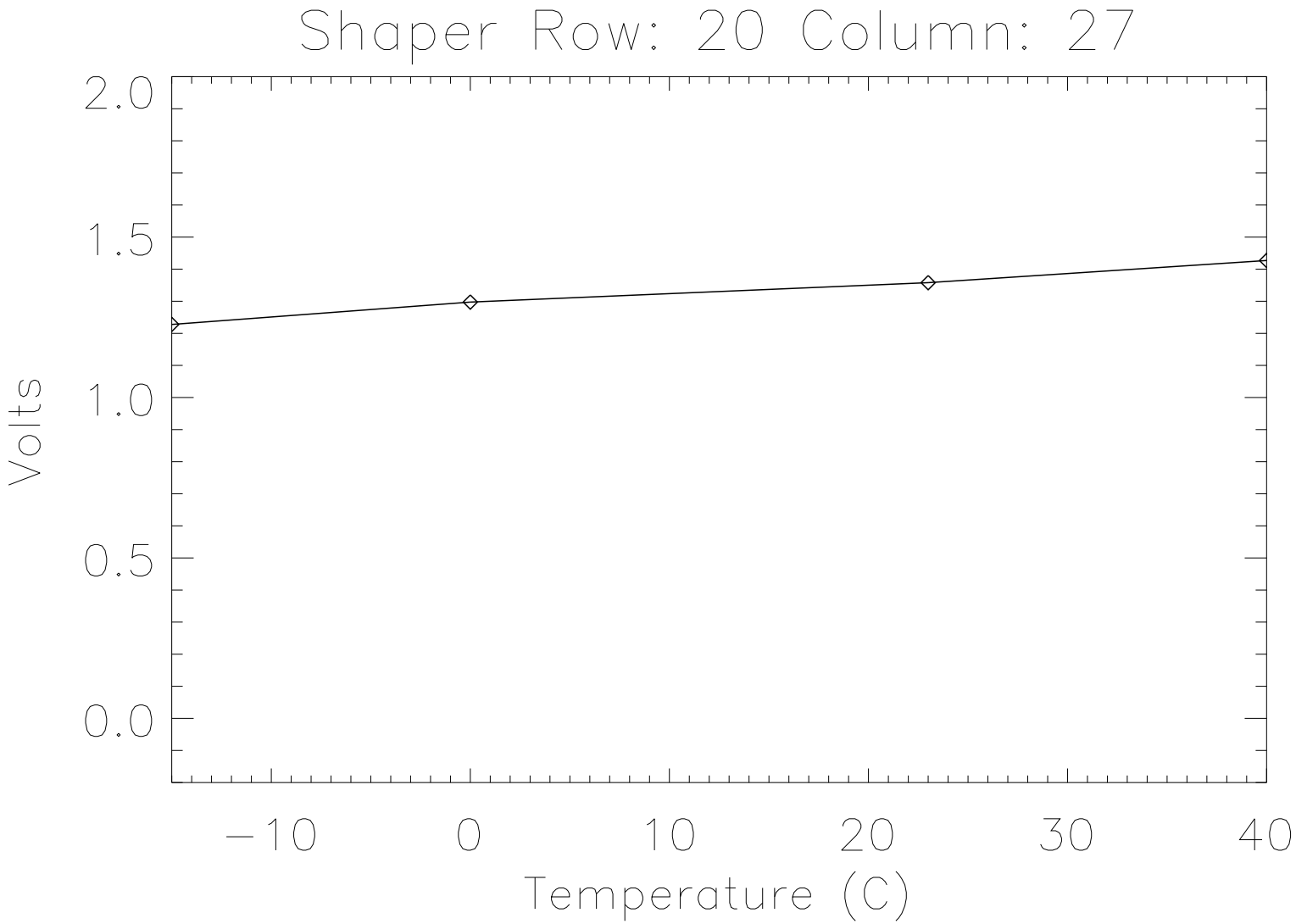
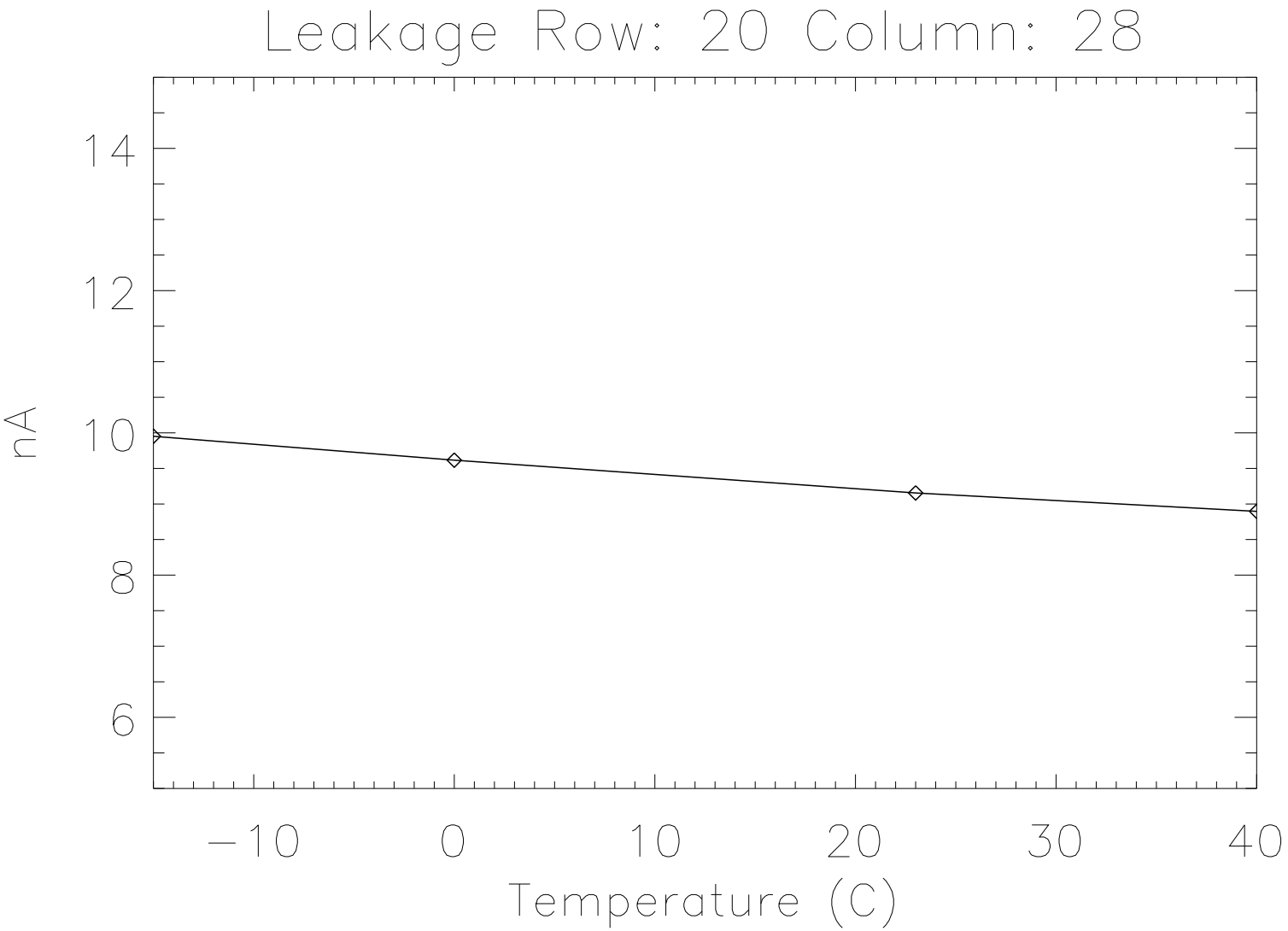
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

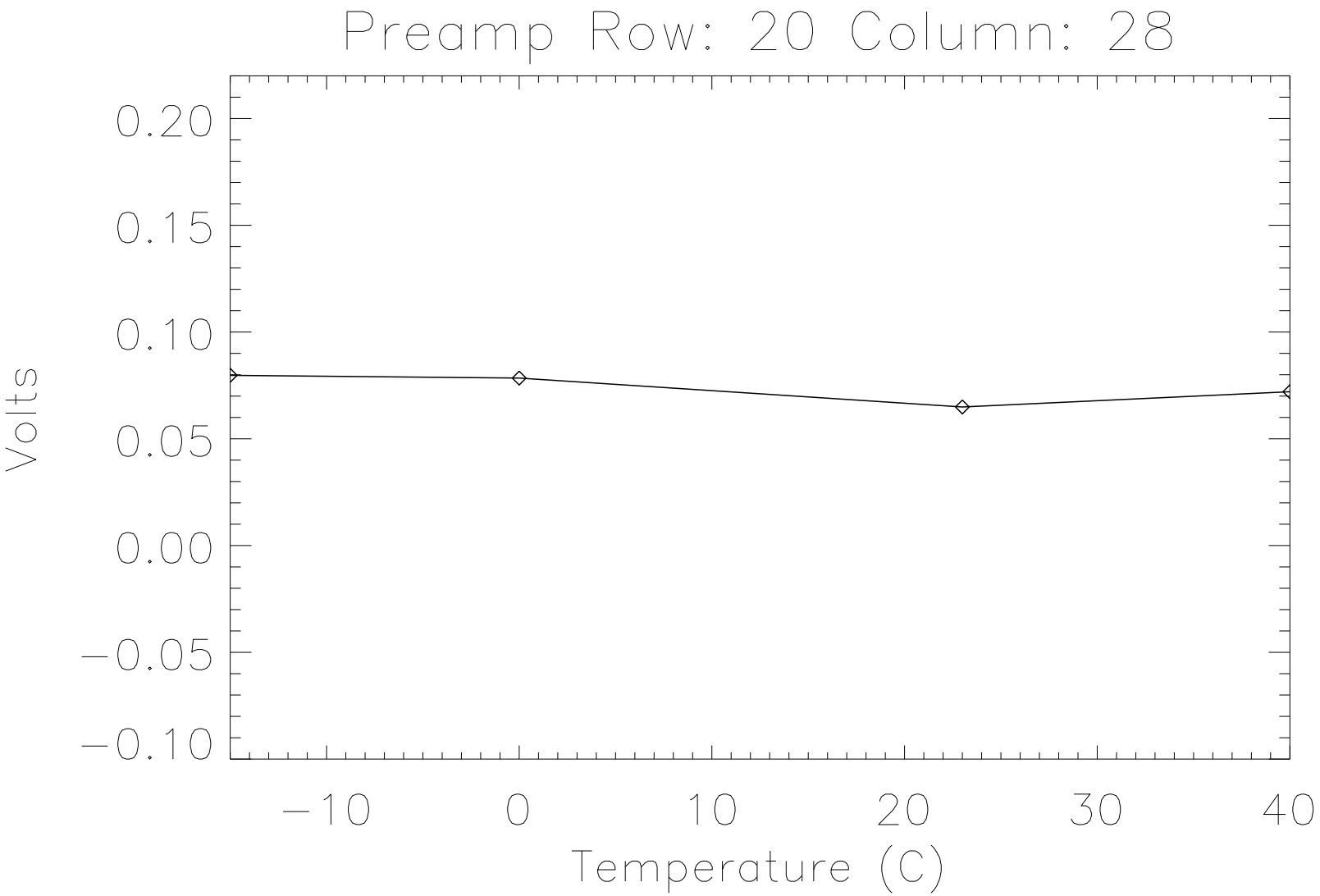

Shaper Row: 20 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 20 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 20 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 20 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 20 Column: 28
0.20
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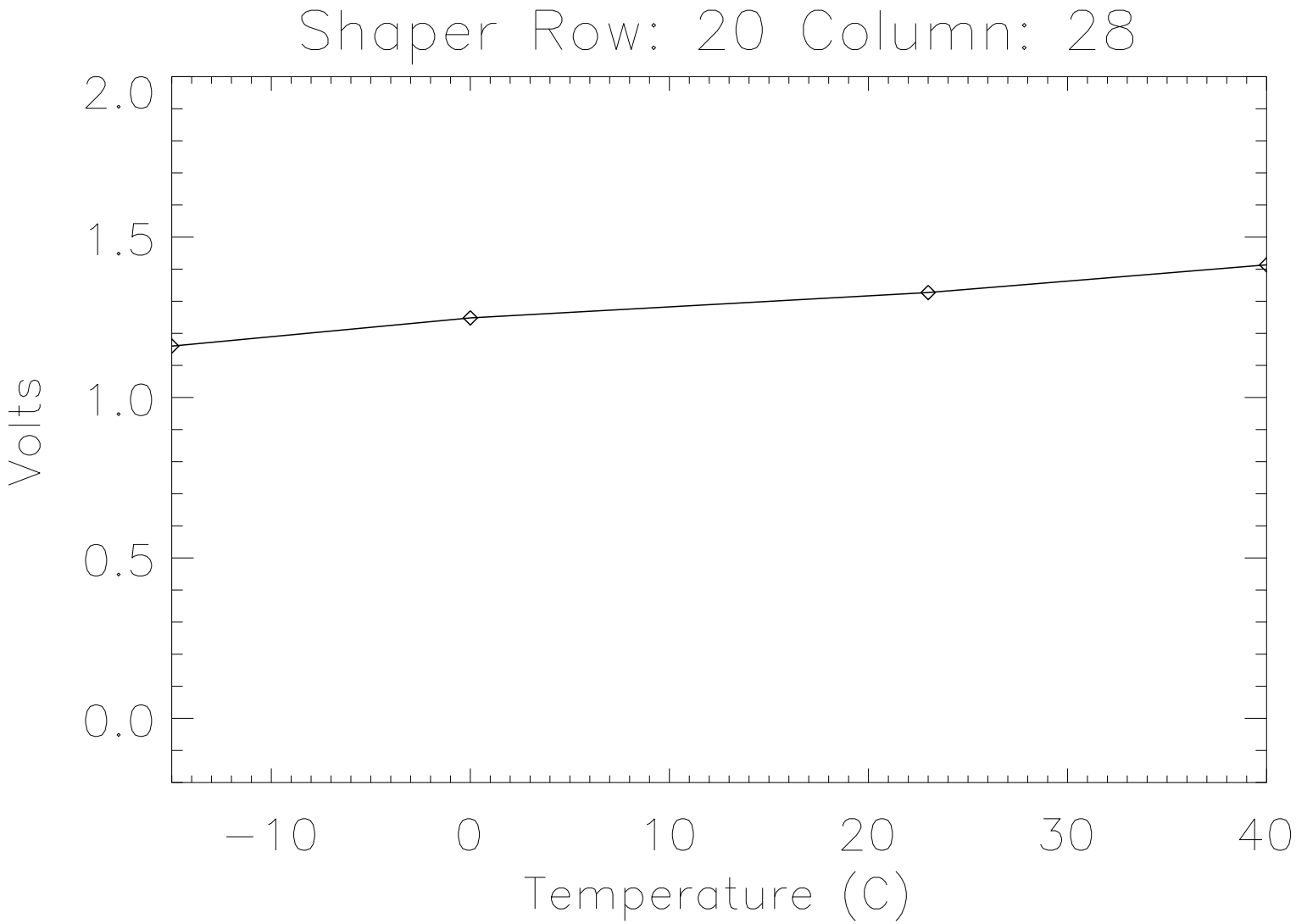
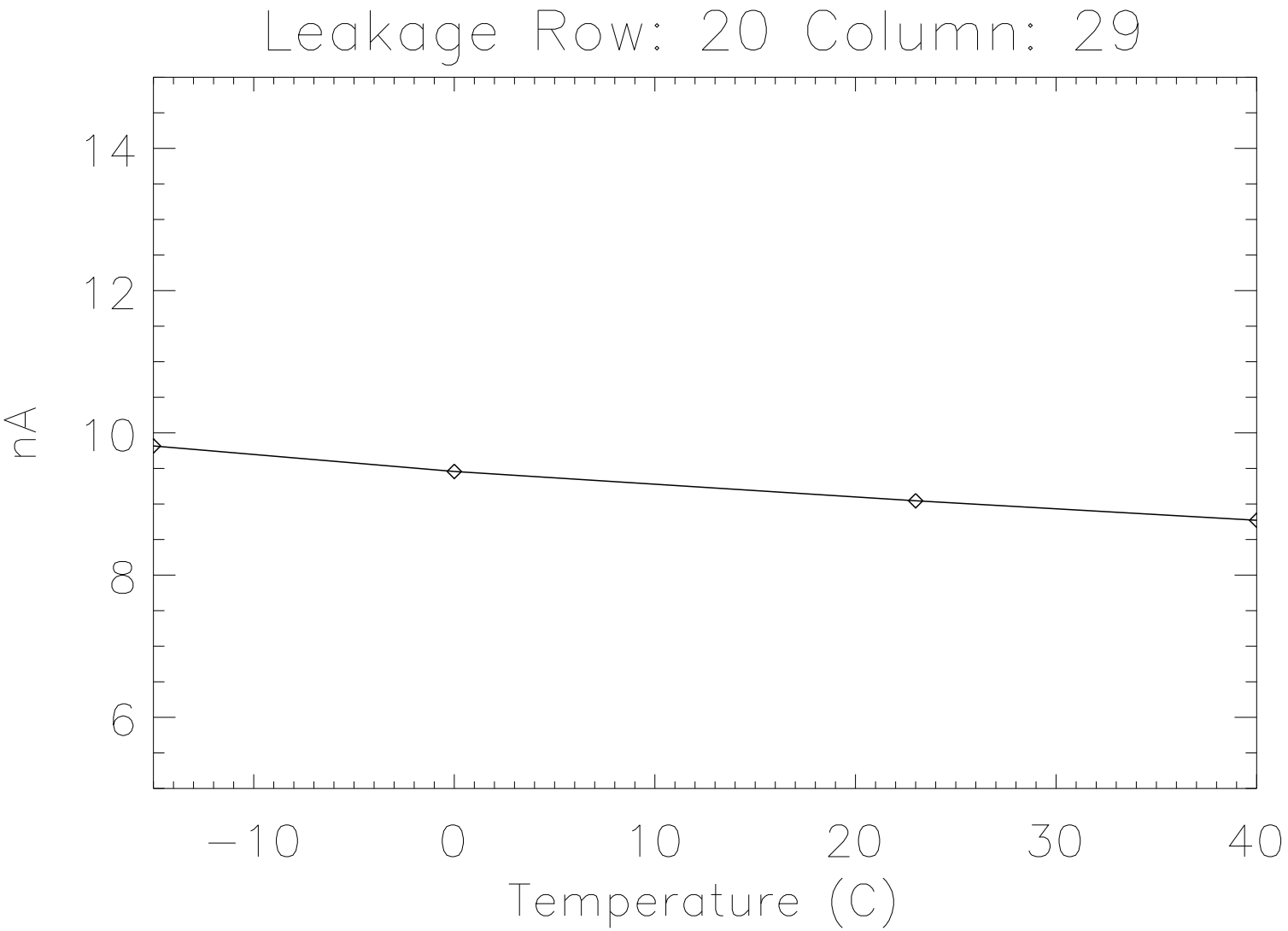
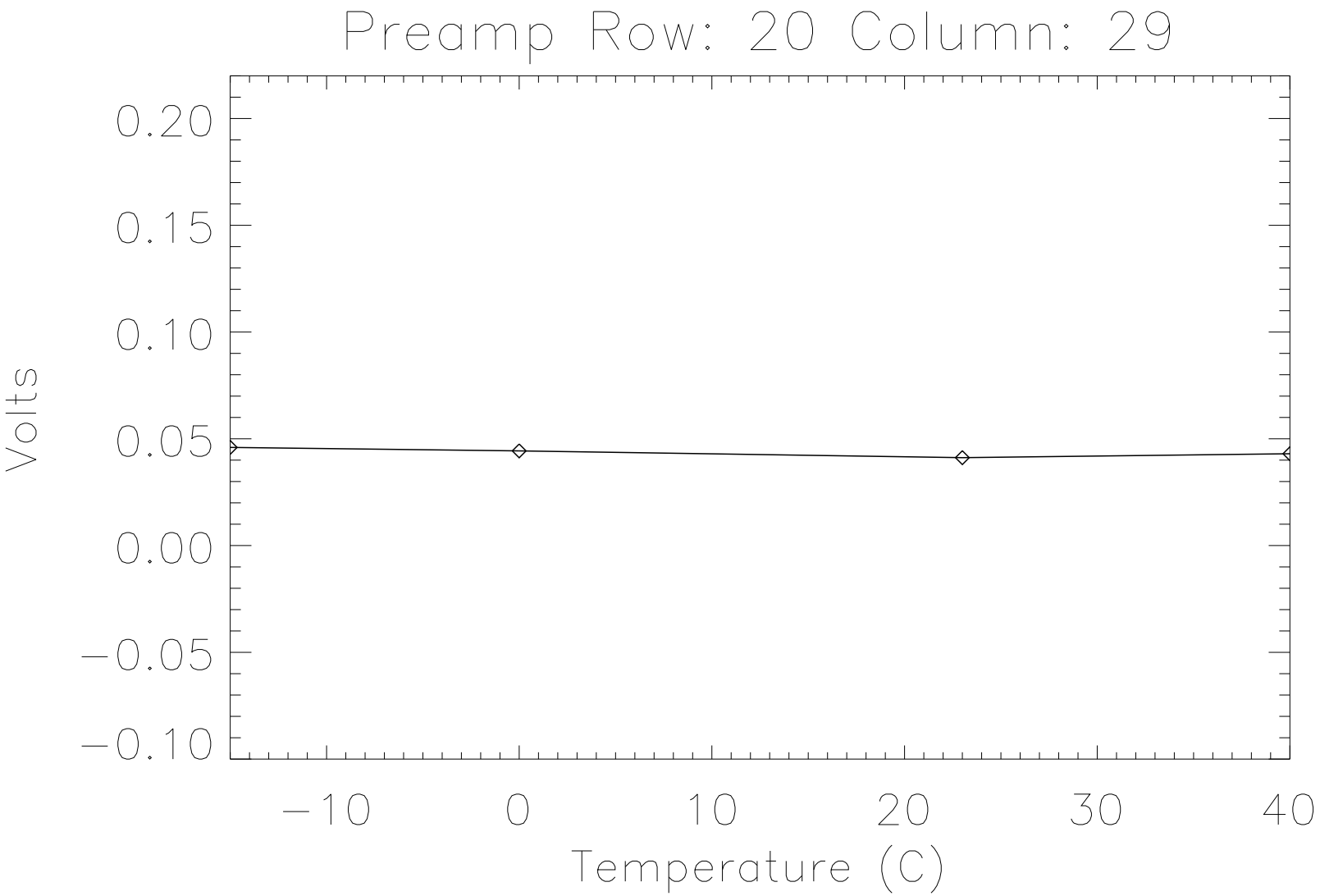
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 20 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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0.20
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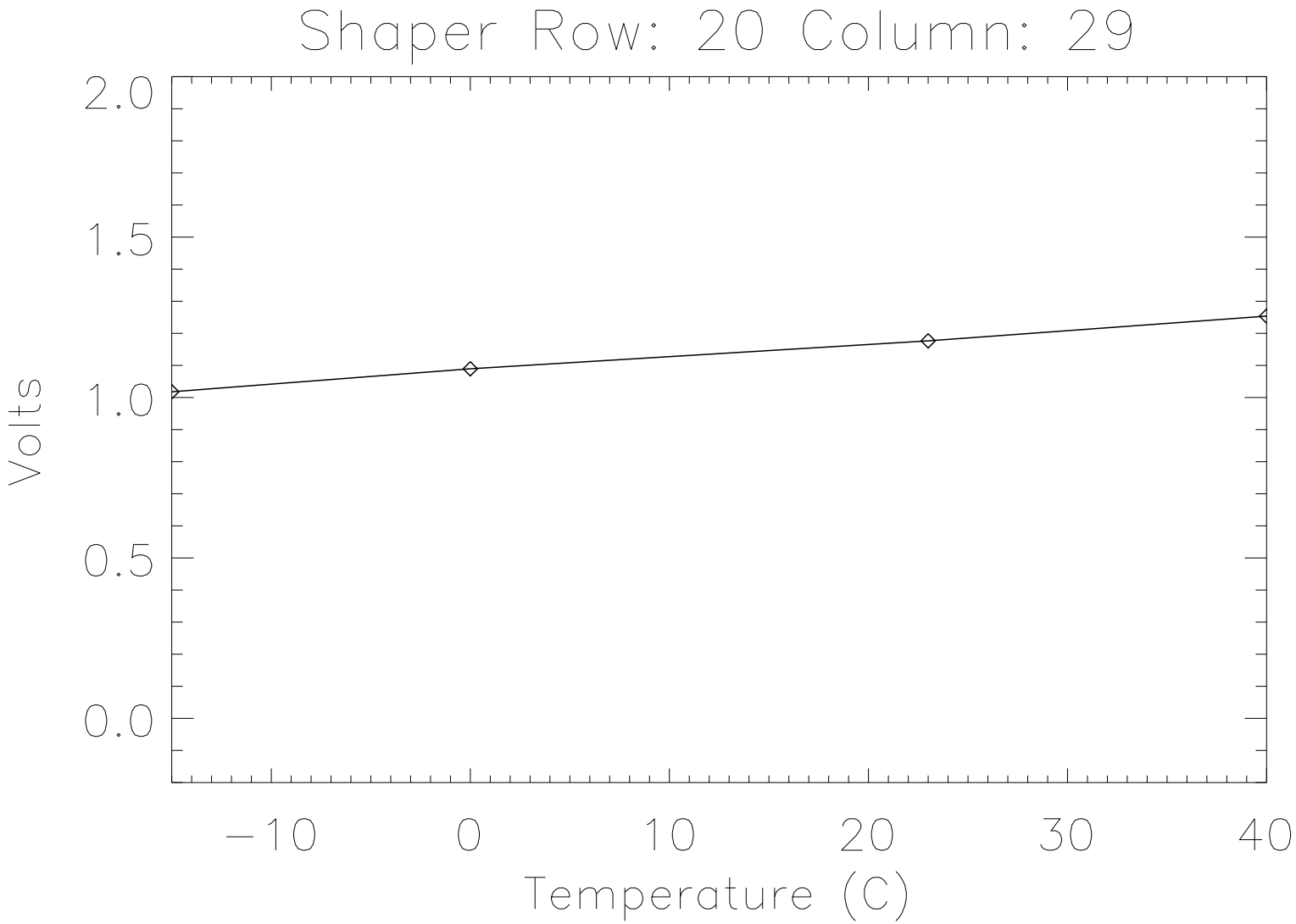
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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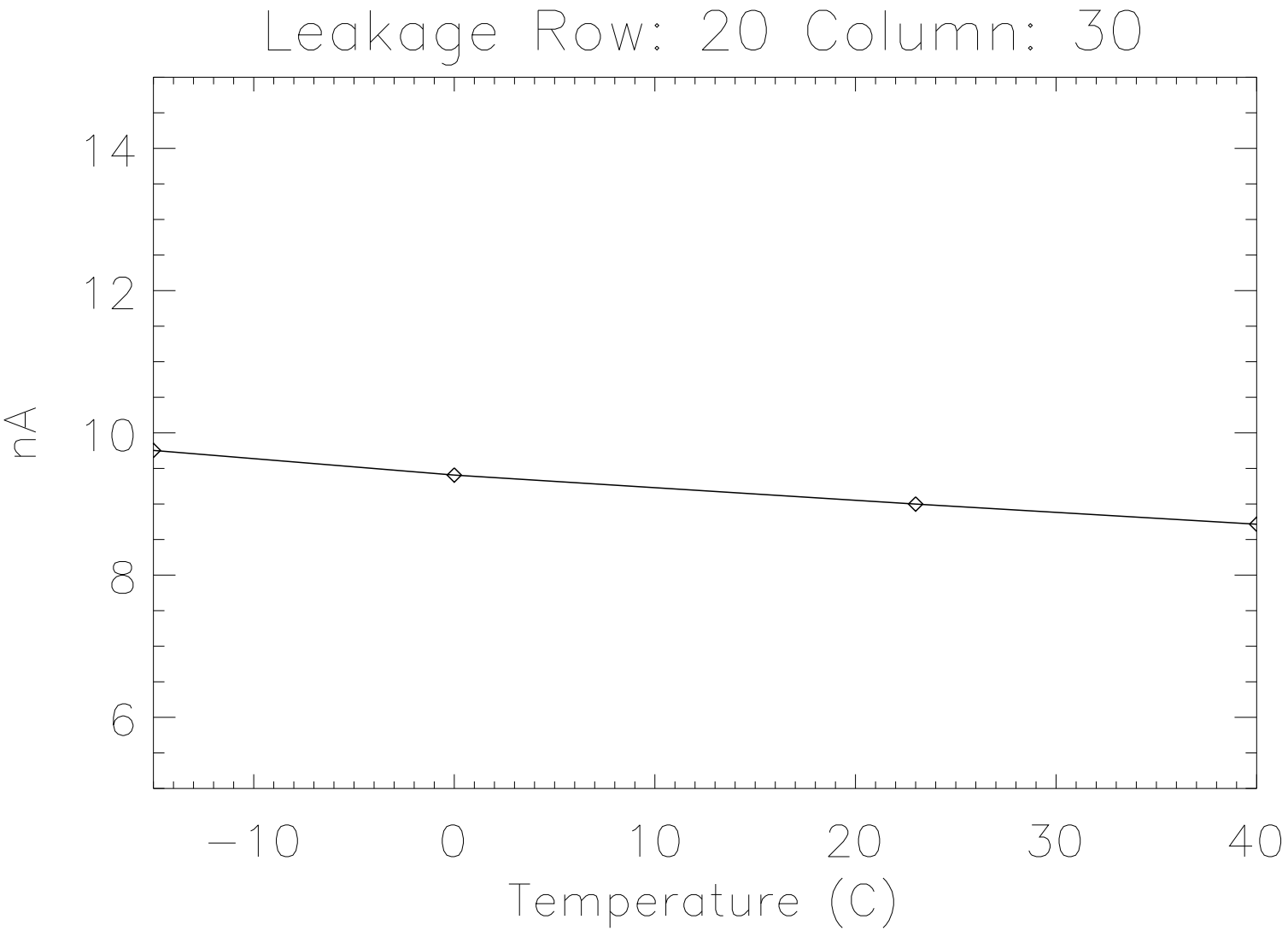
20
30
40
Temperature (C)


Leakage Row: 20 Column: 30
nA
14
12
10
8
6
−10
0
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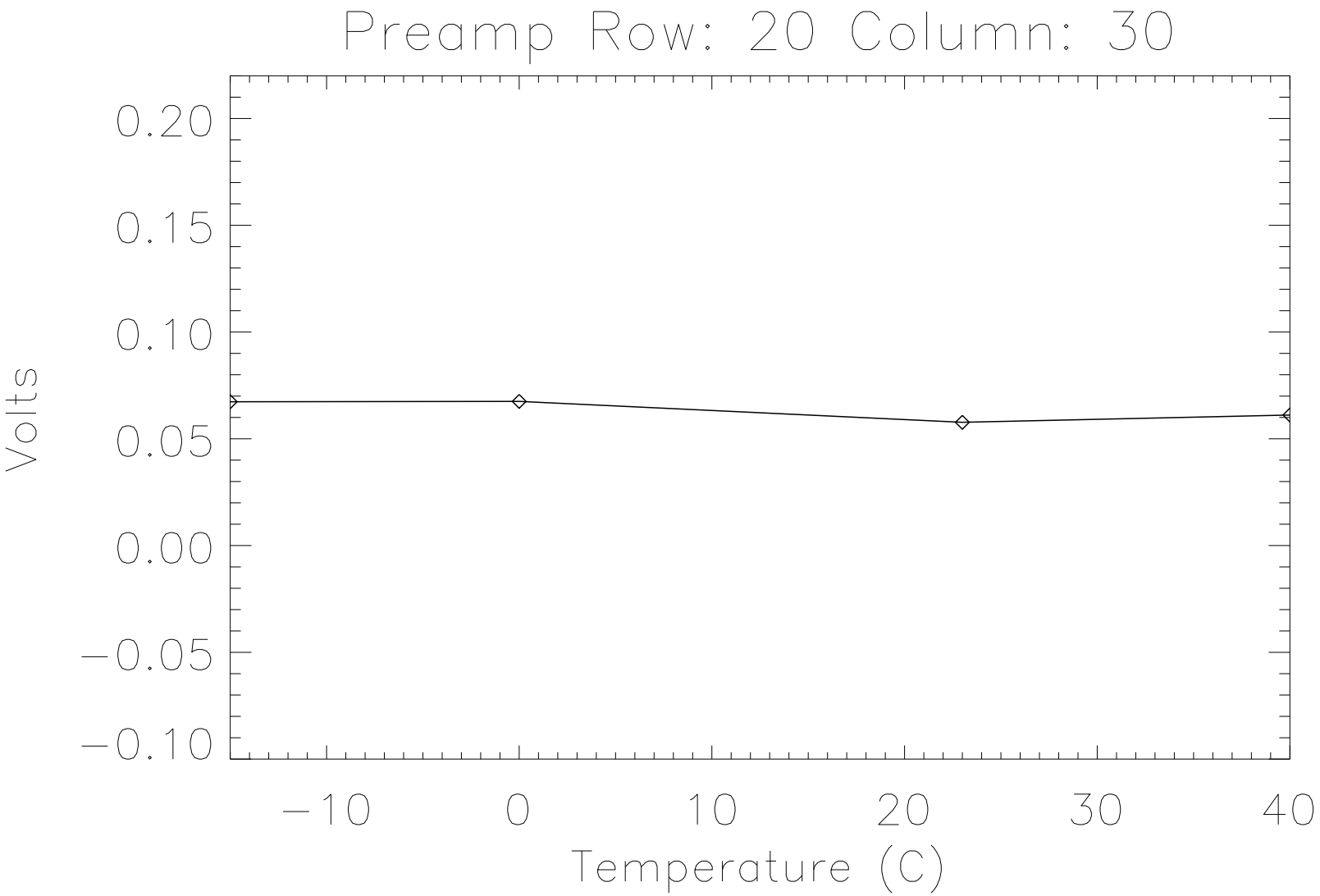
20
30
40
Temperature (C)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0.00
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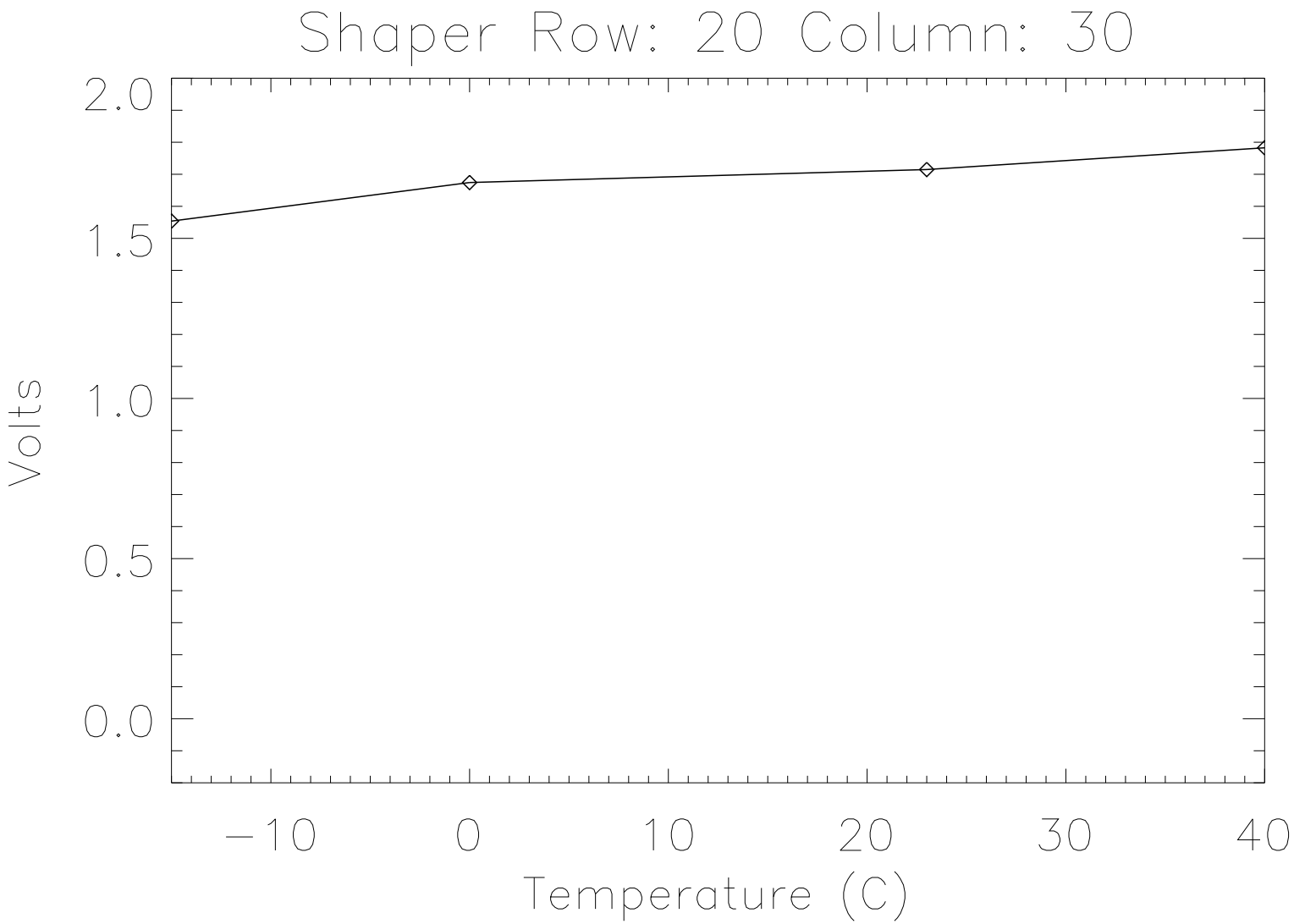
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 30
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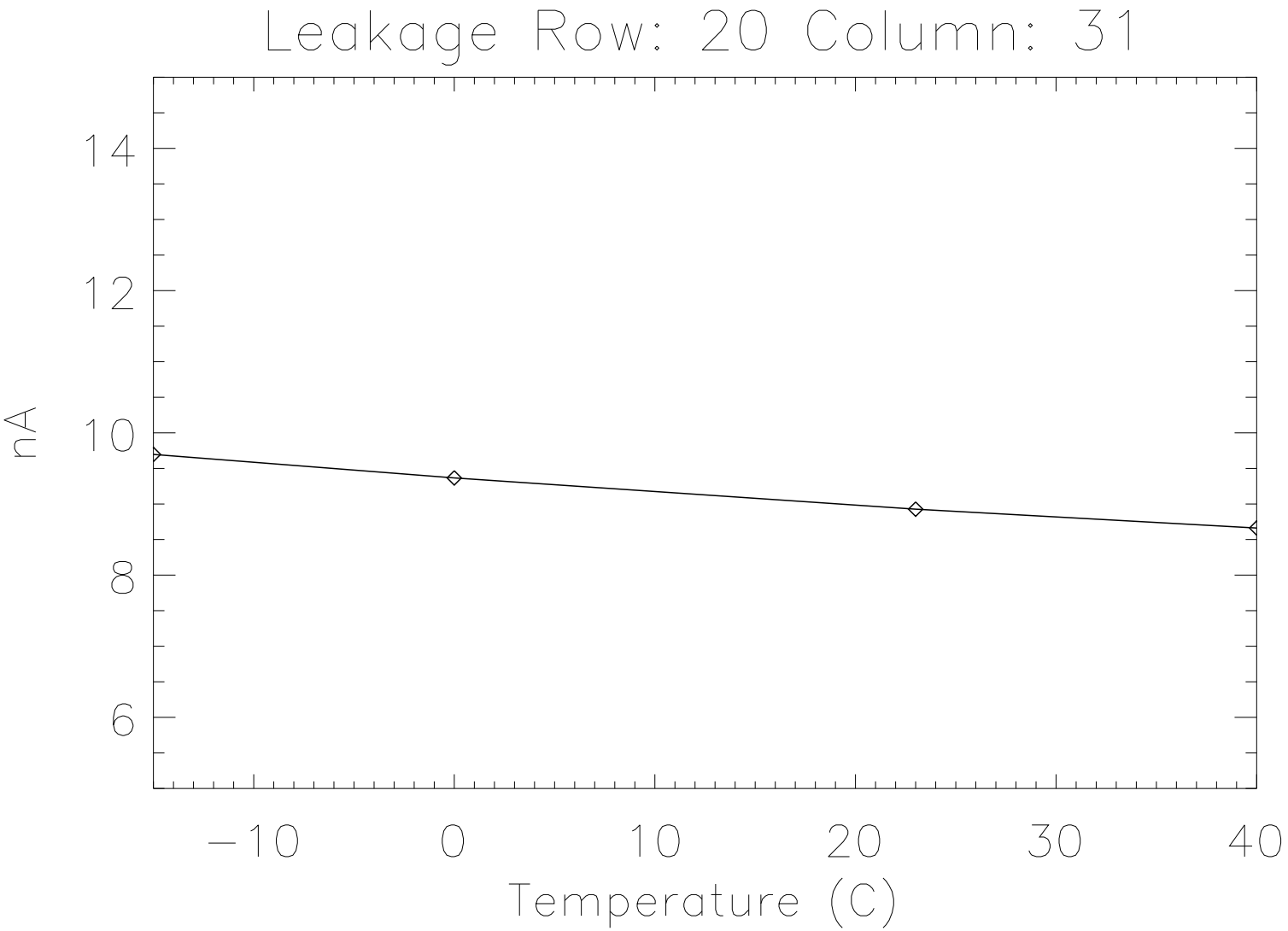
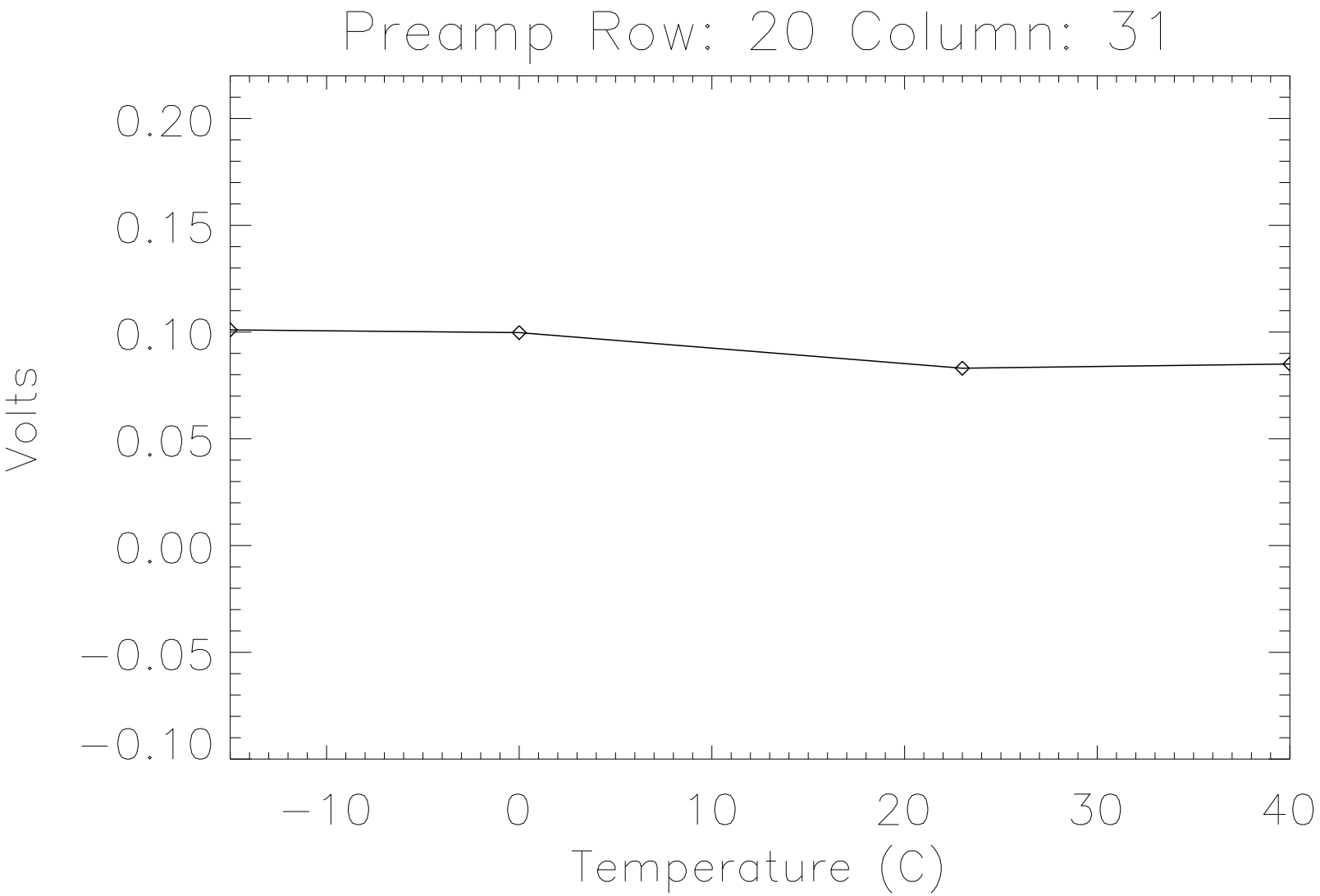
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 20 Column: 31
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 20 Column: 31
0.20
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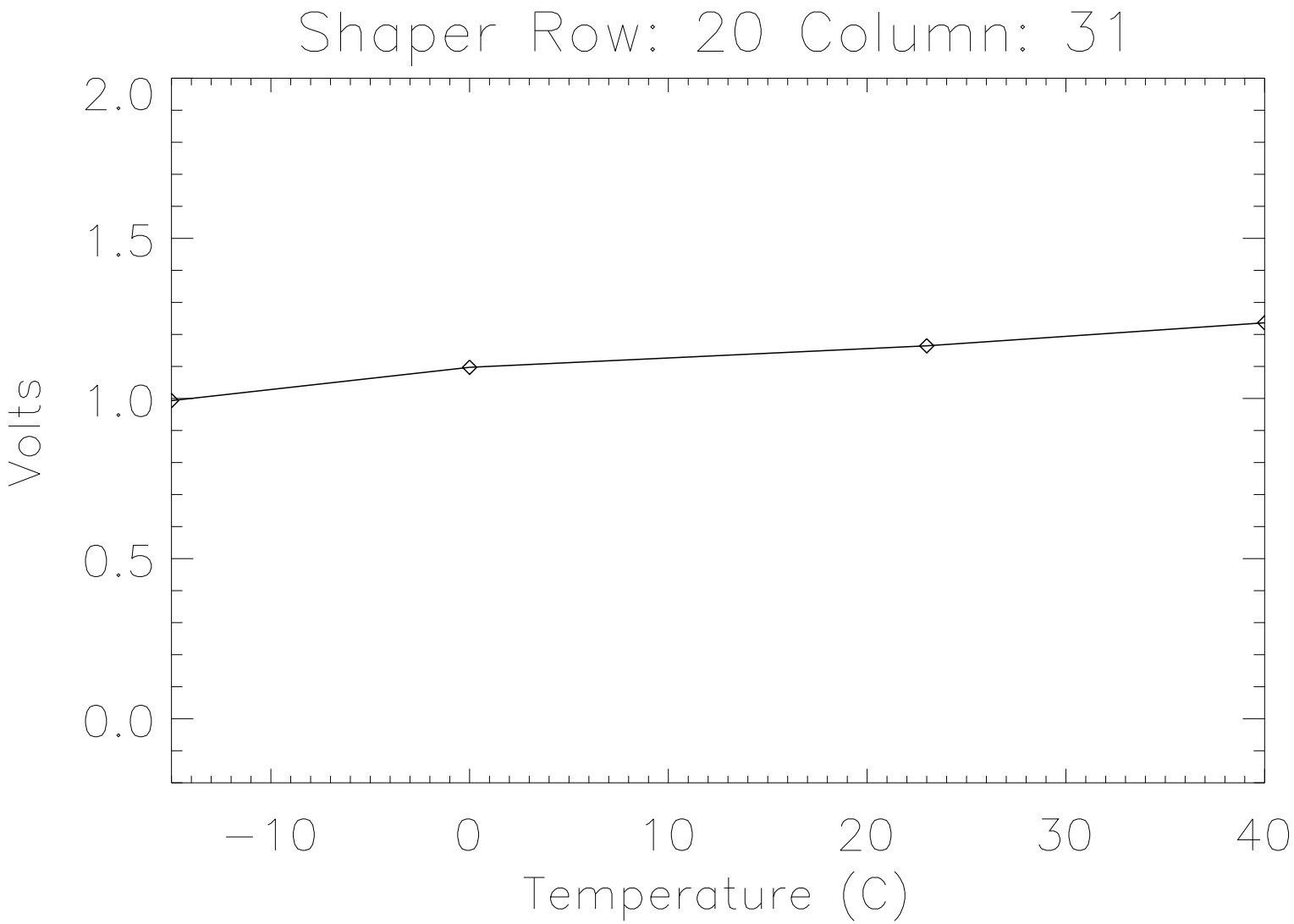
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 20 Column: 31
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1.5
1.0
0.5
0.0
Volts
−10
0
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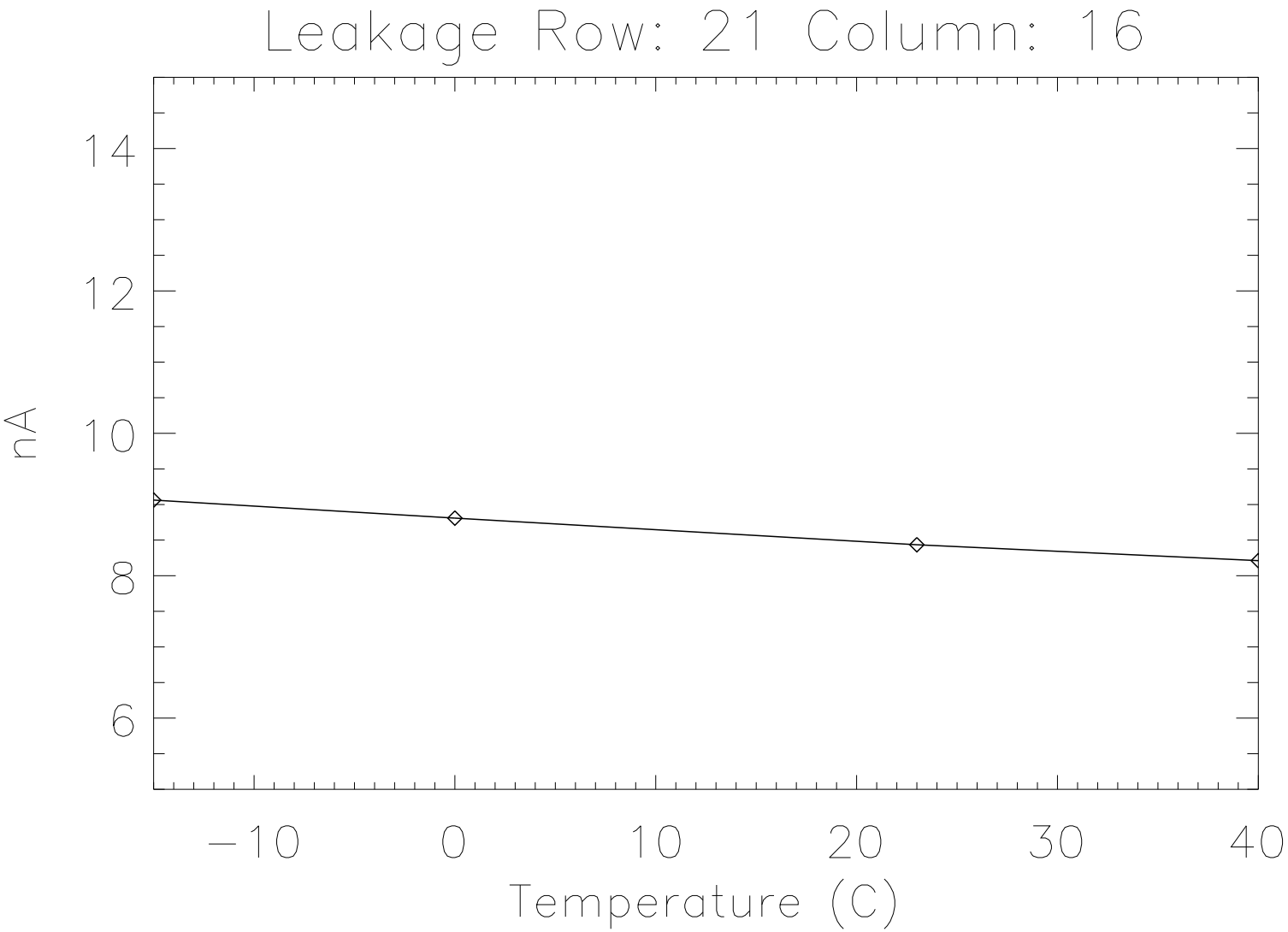
20
30
40
Temperature (C)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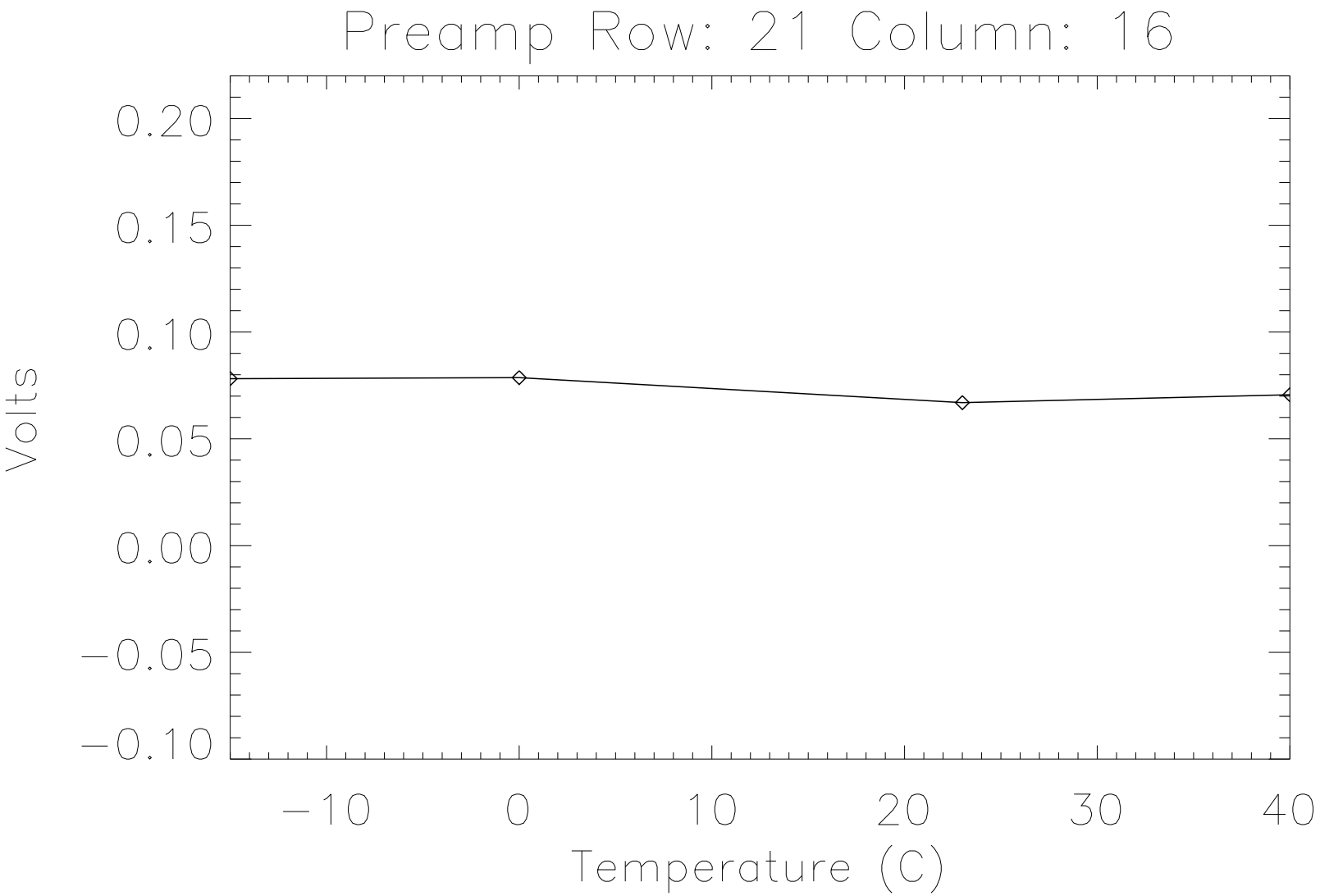
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 21 Column: 16
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Volts
−10
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30
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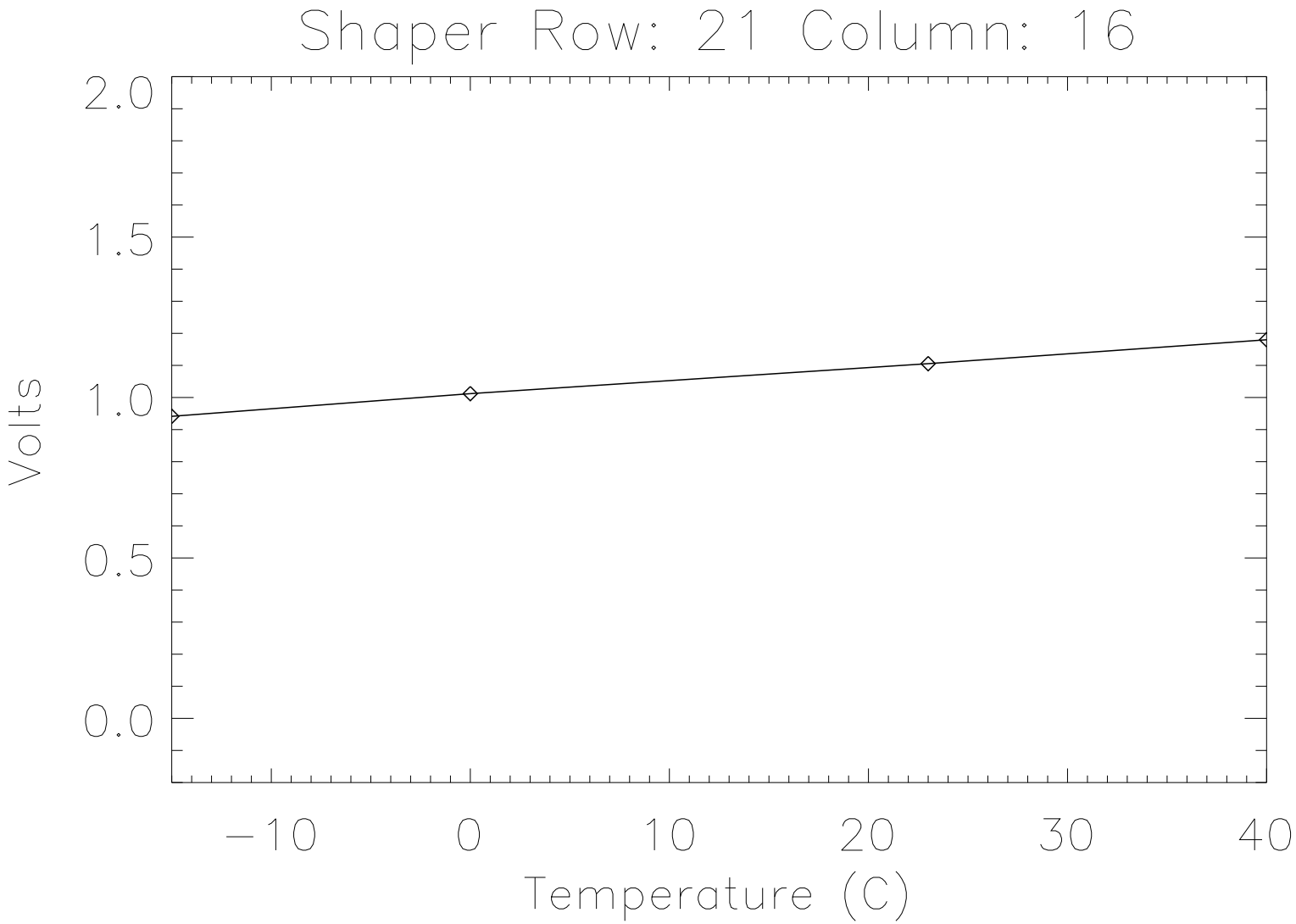
Temperature (C)


Shaper Row: 21 Column: 16
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1.5
1.0
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0.0
Volts
−10
0
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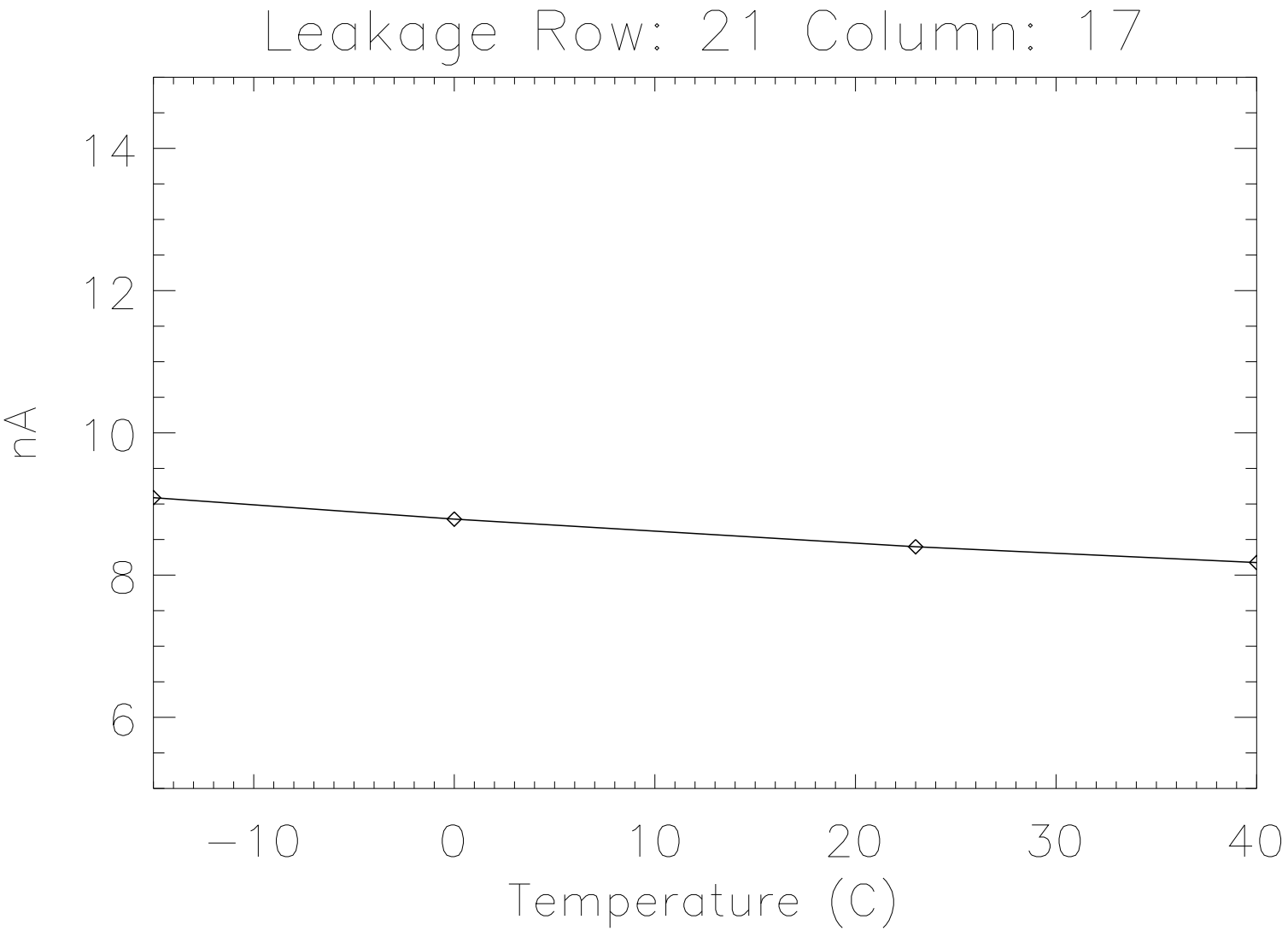
30
40
Temperature (C)


Leakage Row: 21 Column: 17
14
12
10
8
6
nA
−10
0
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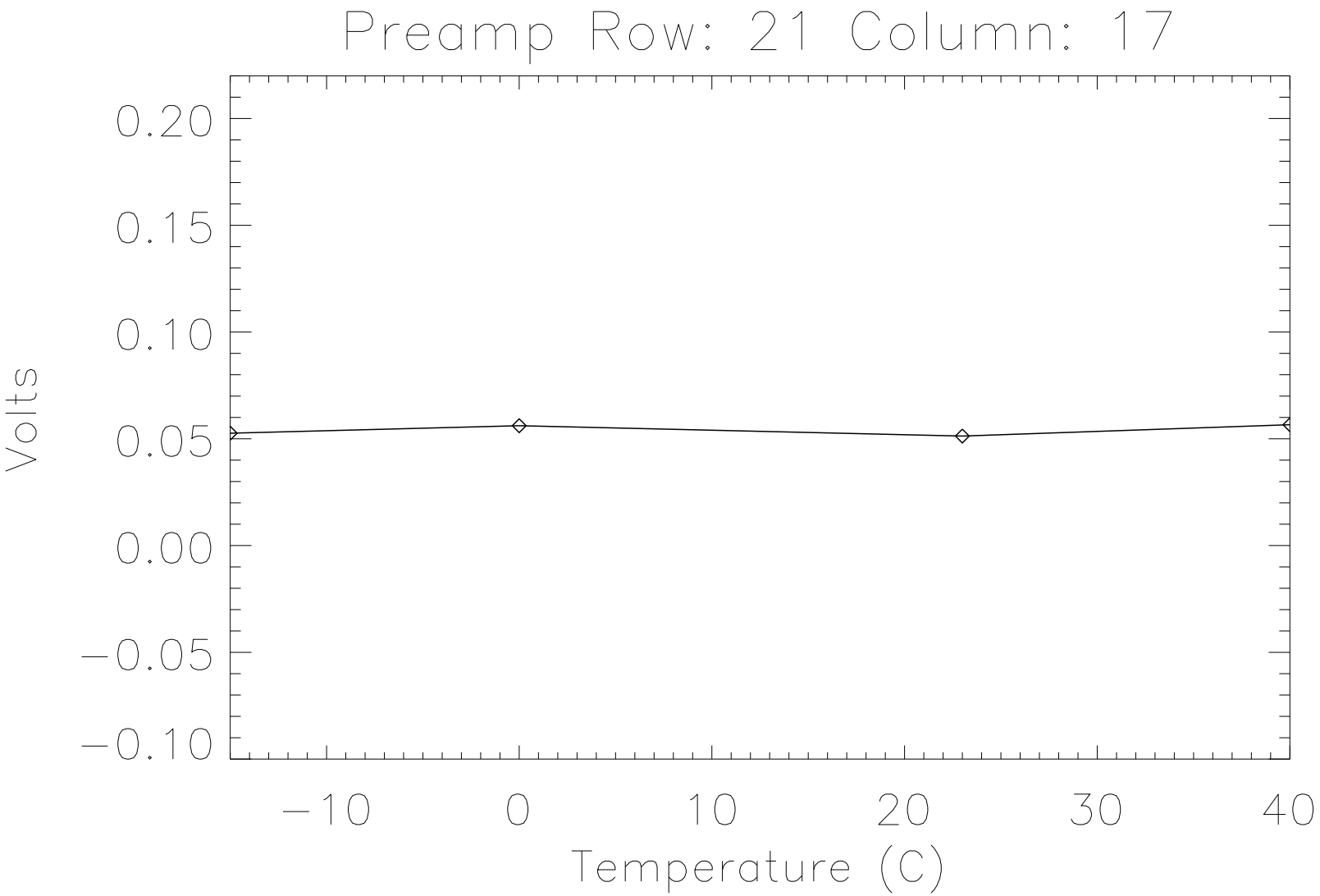
20
30
40
Temperature (C)


Preamp Row: 21 Column: 17
0.20
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0.10
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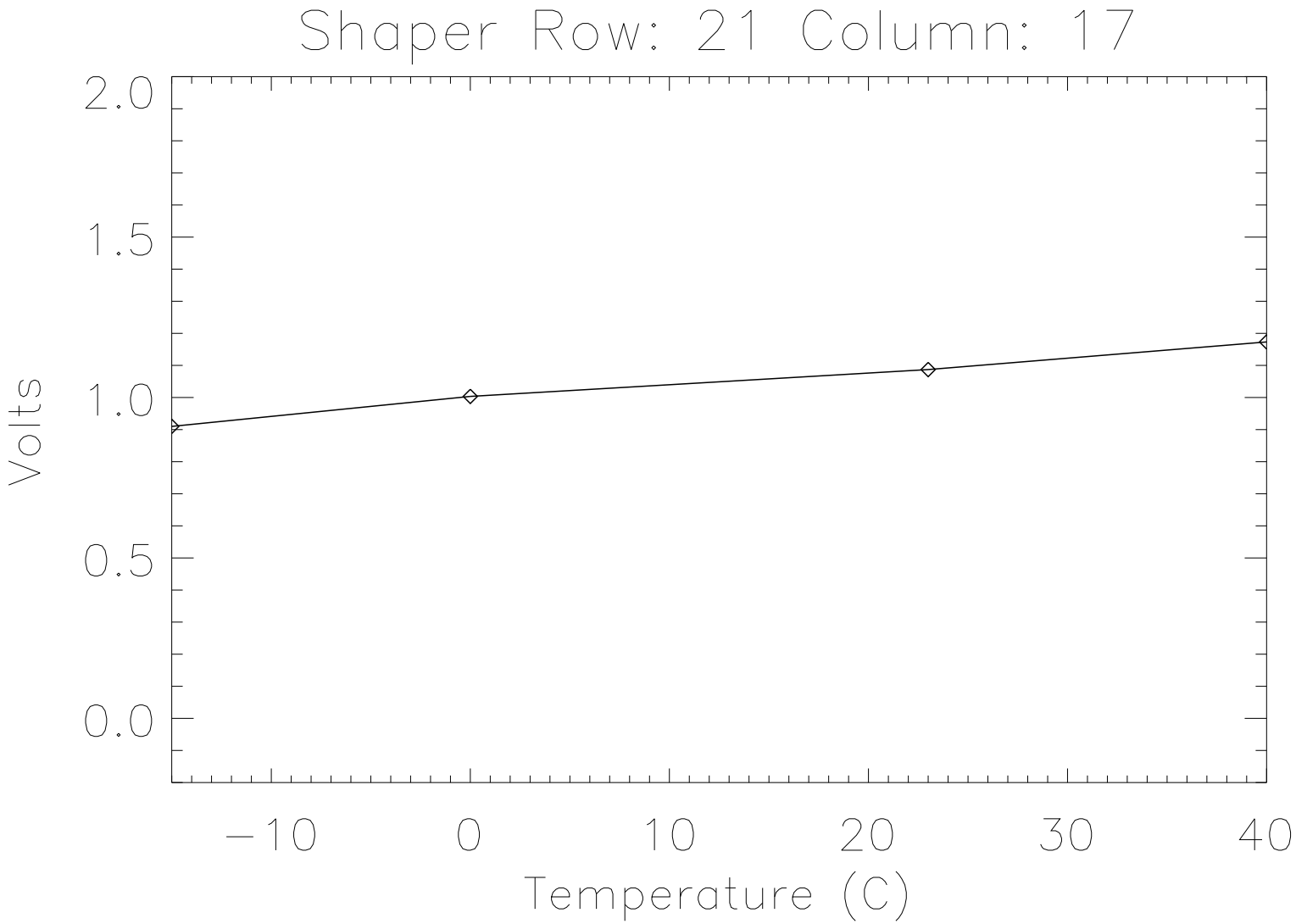
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 21 Column: 17
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1.5
1.0
0.5
0.0
Volts
−10
0
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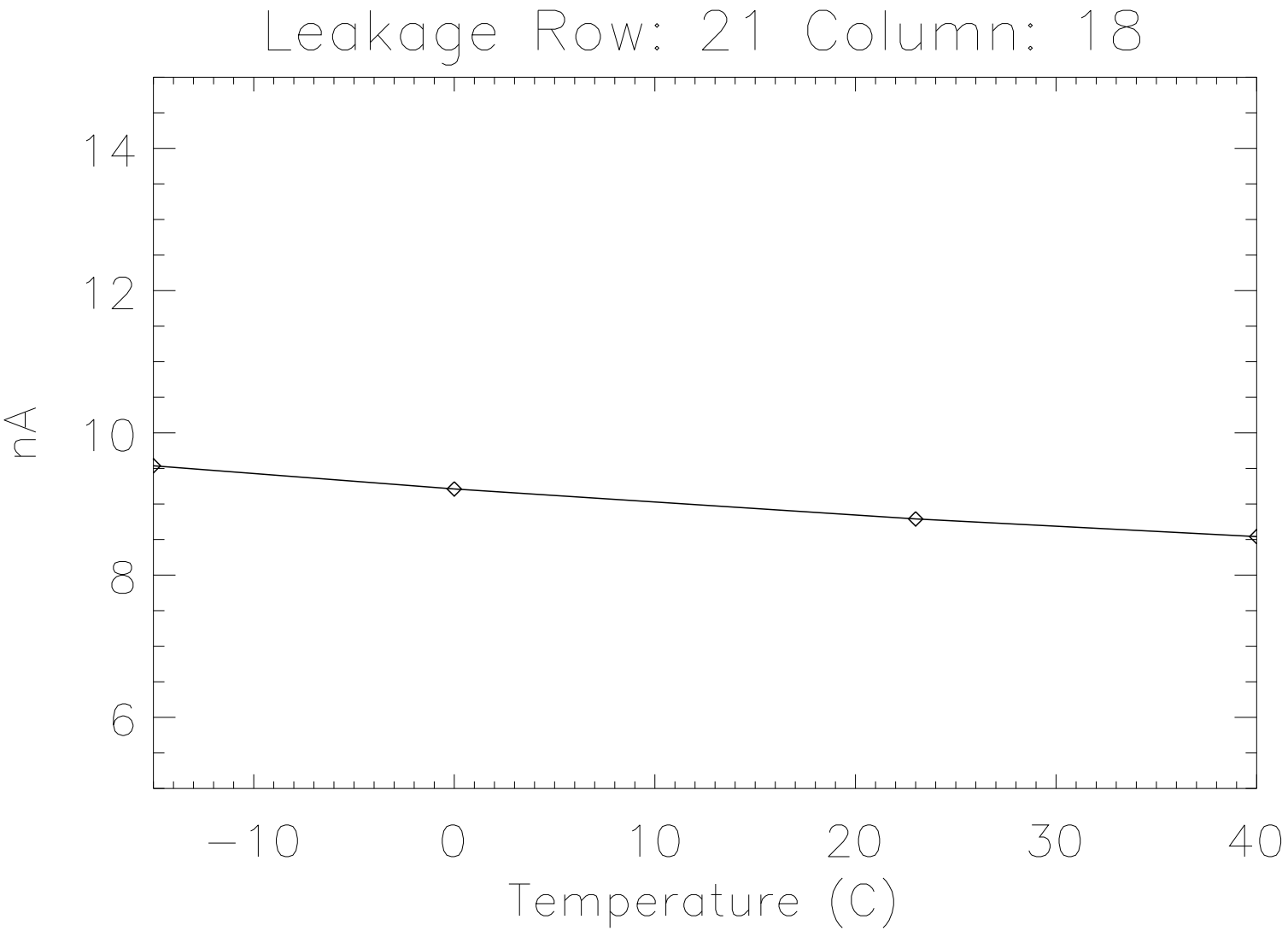
20
30
40
Temperature (C)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8
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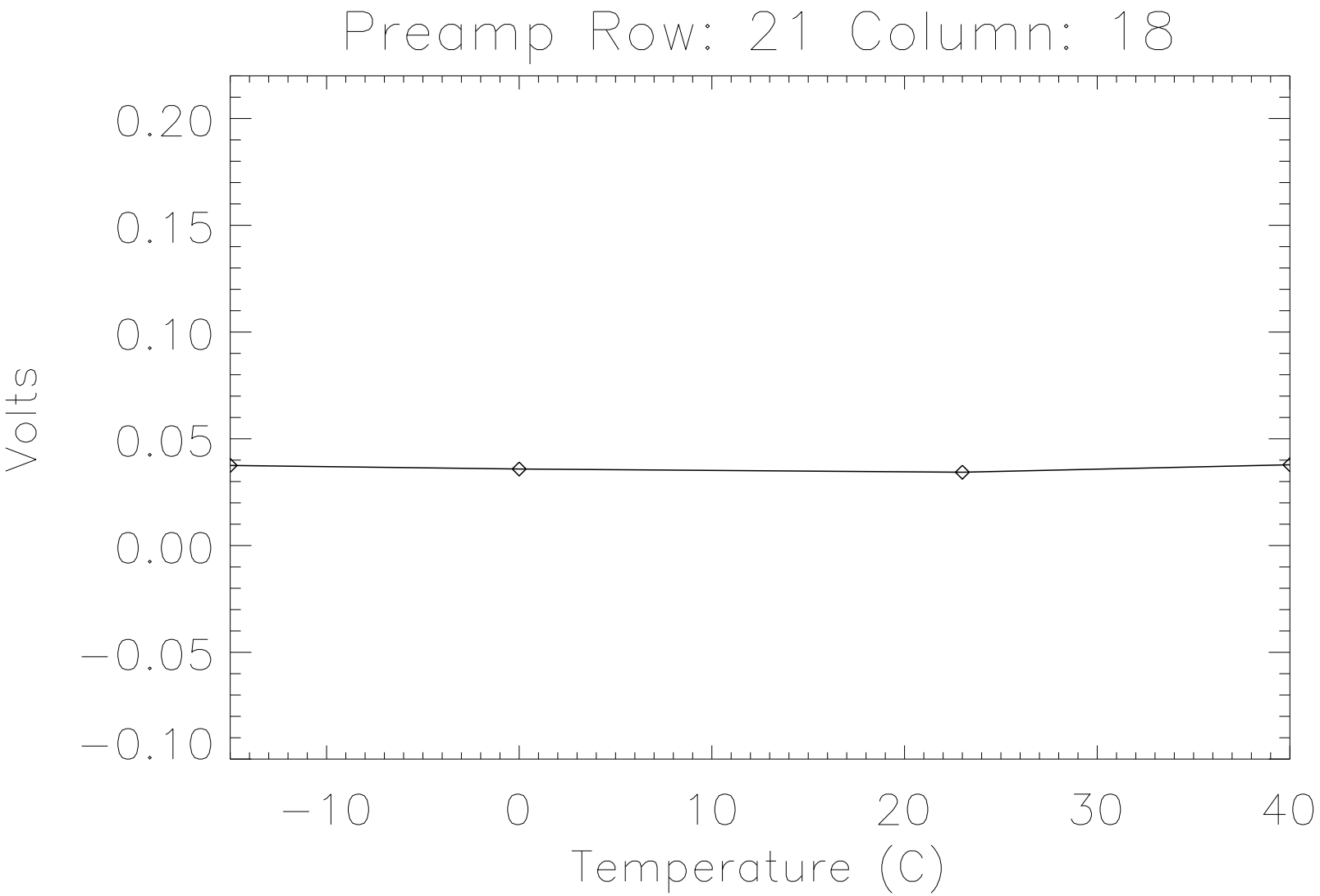
30
40
Temperature (C)


Preamp Row: 21 Column: 18
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0.10
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0.00
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−0.10
Volts
−10
0
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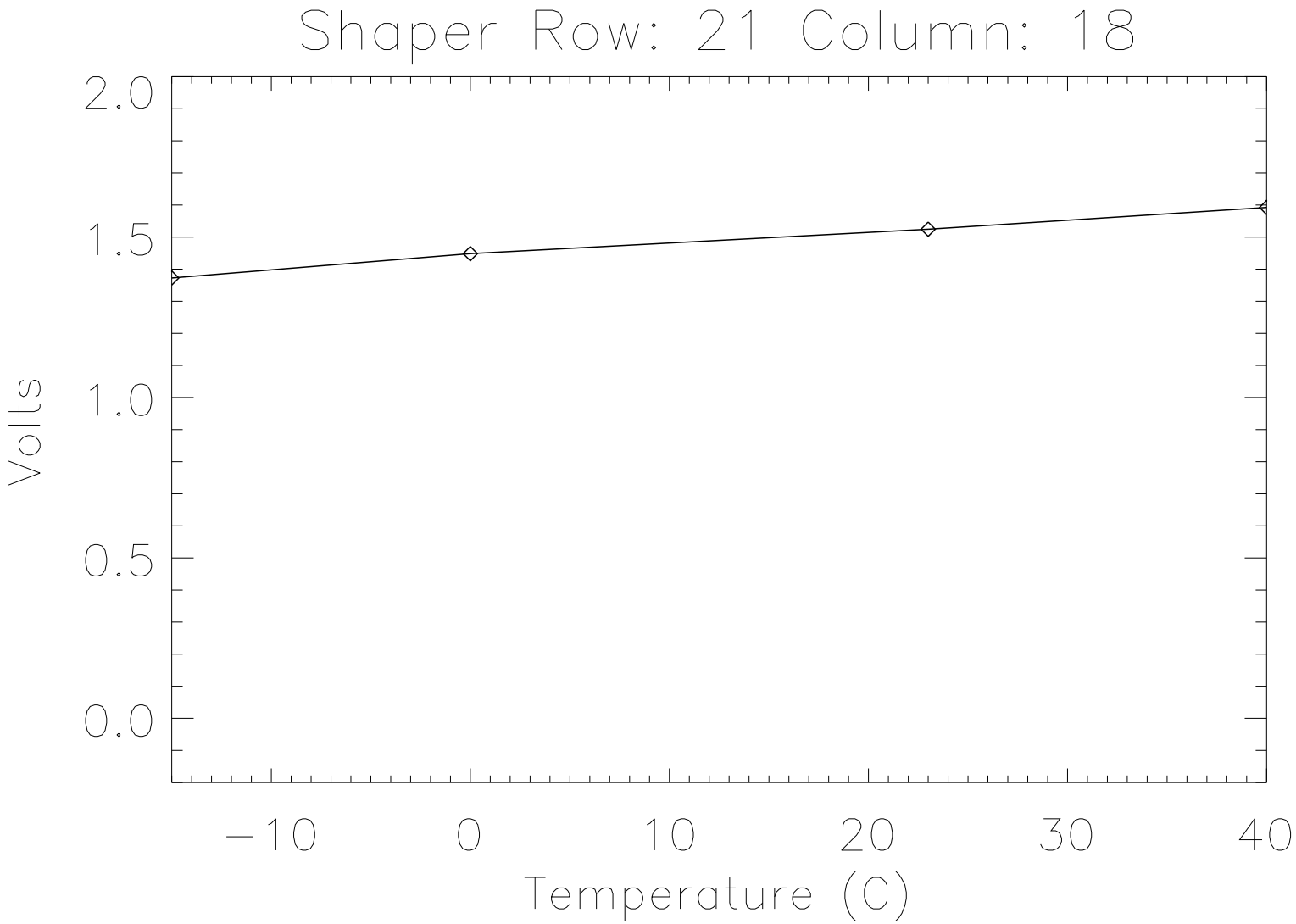
30
40
Temperature (C)


Shaper Row: 21 Column: 18
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1.0
0.5
0.0
Volts
−10
0
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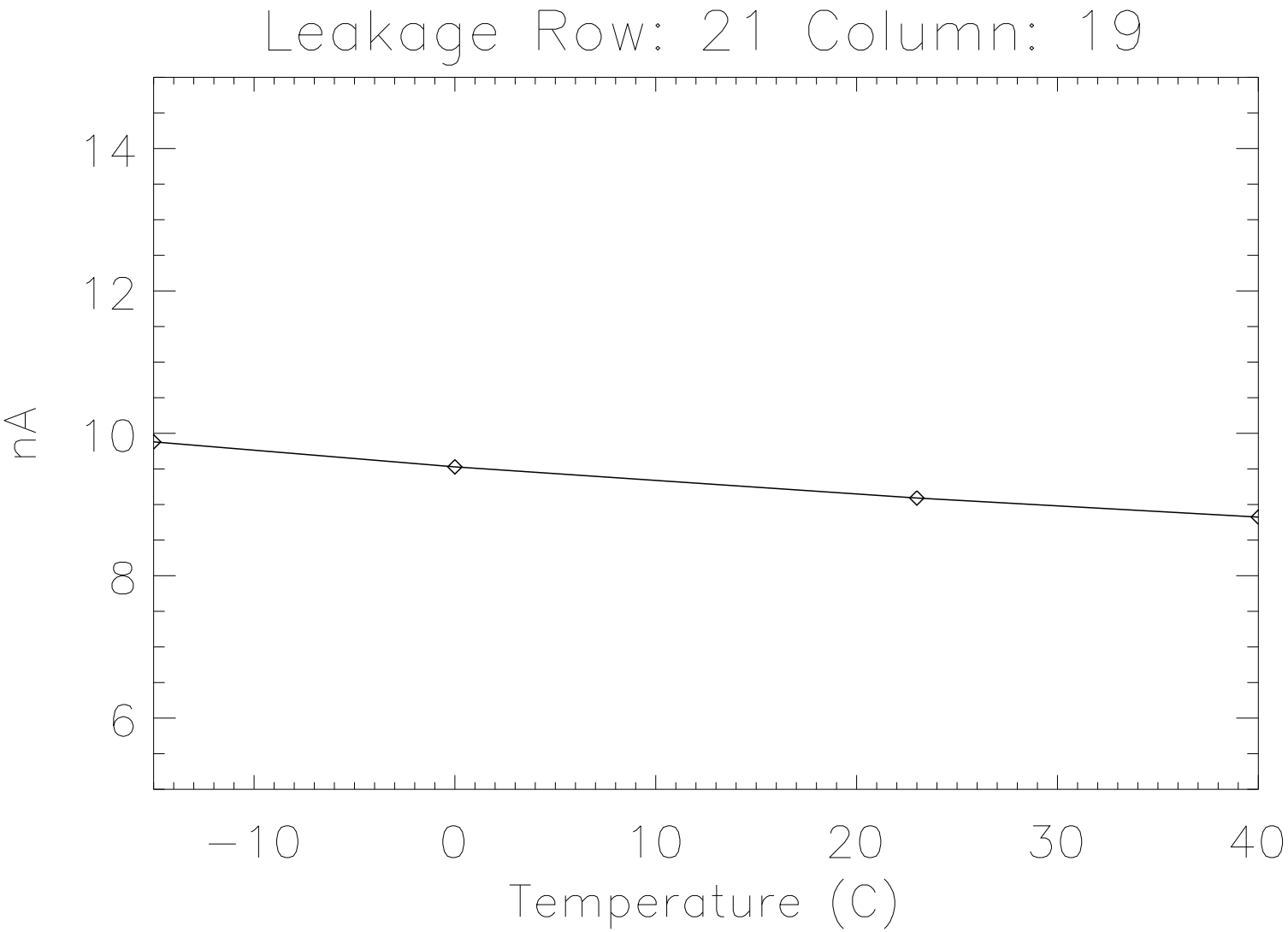
30
40
Temperature (C)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8
6
−10
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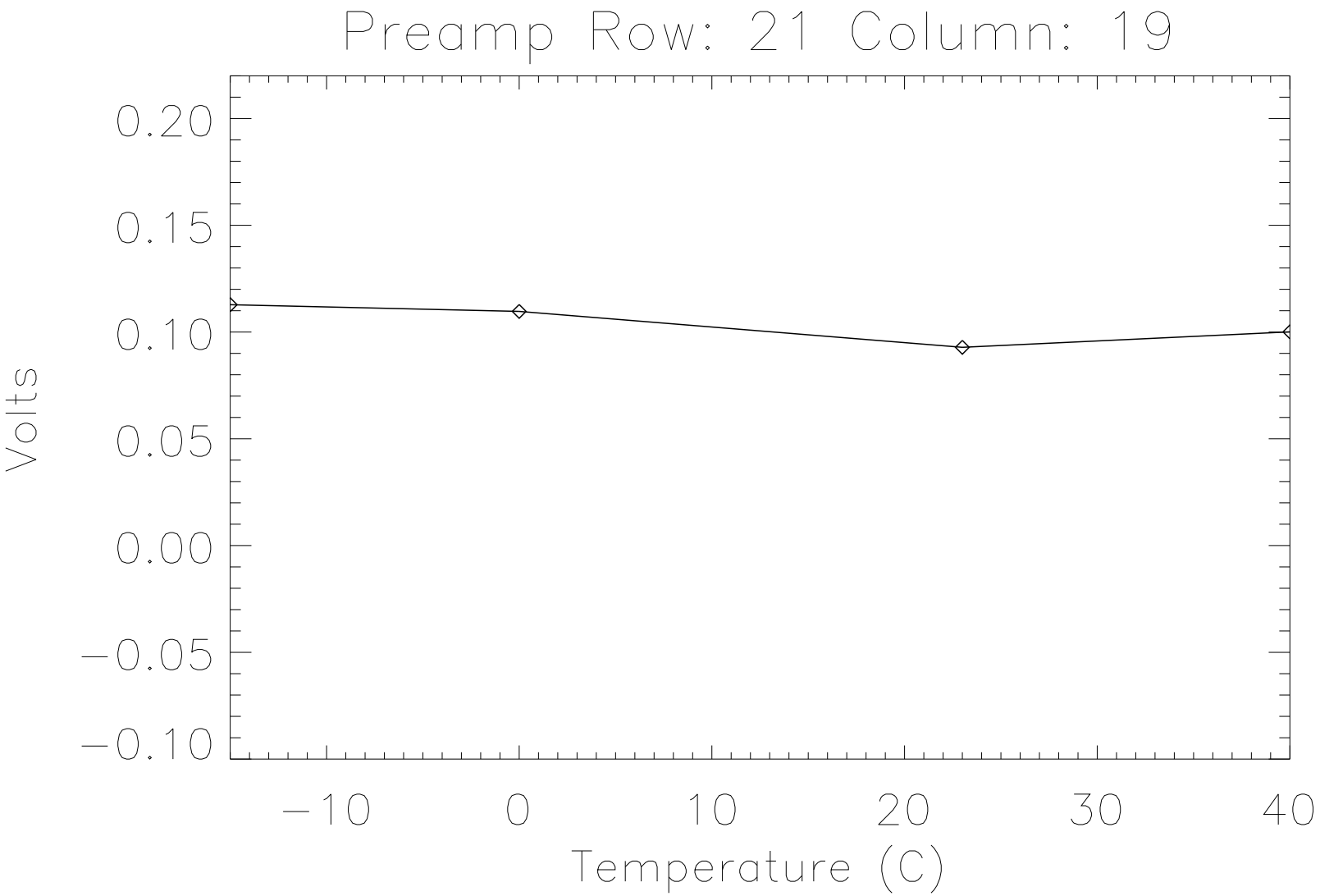
30
40
Temperature (C)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Volts
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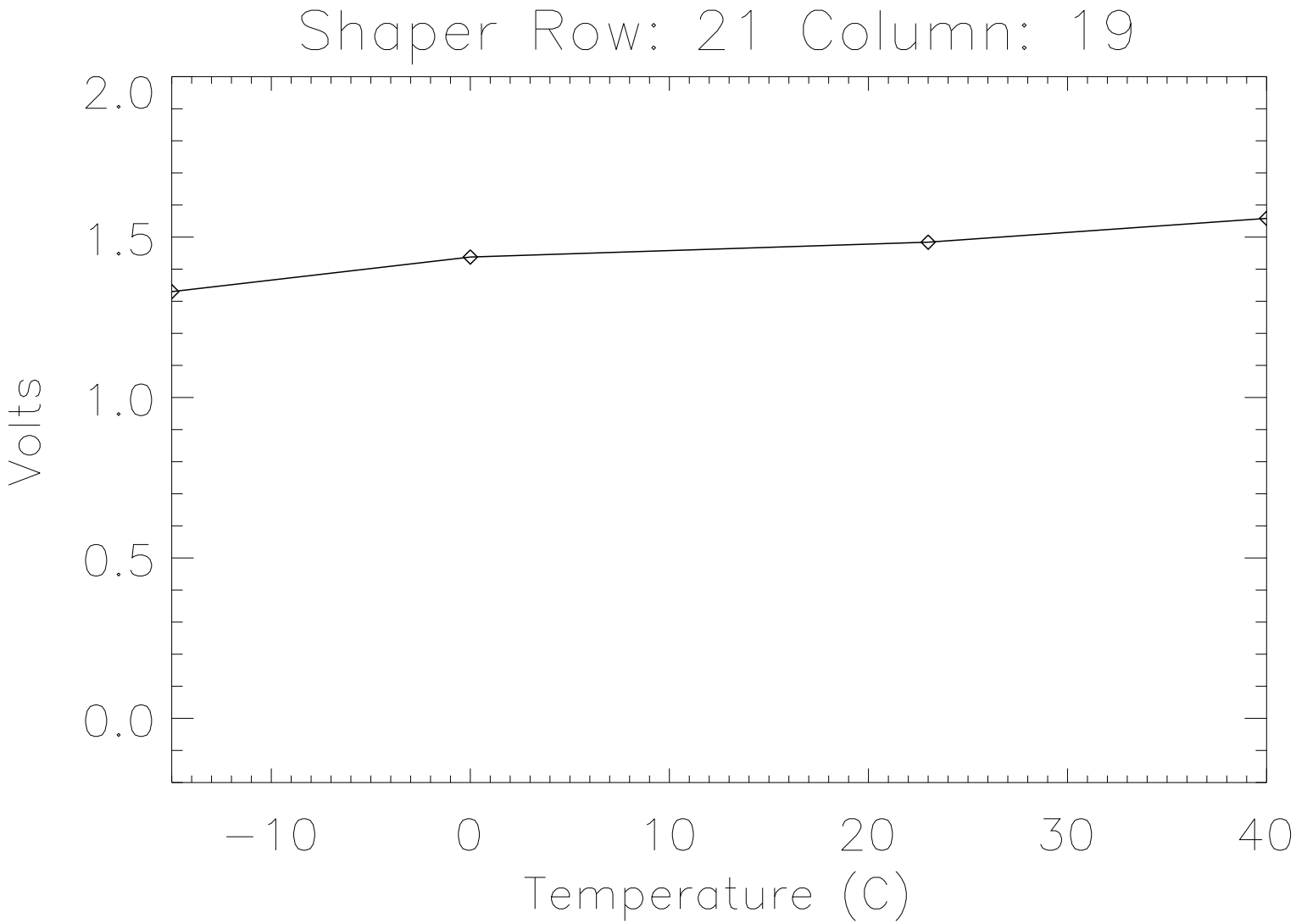
Temperature (C)


Shaper Row: 21 Column: 19
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1.0
0.5
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Volts
−10
0
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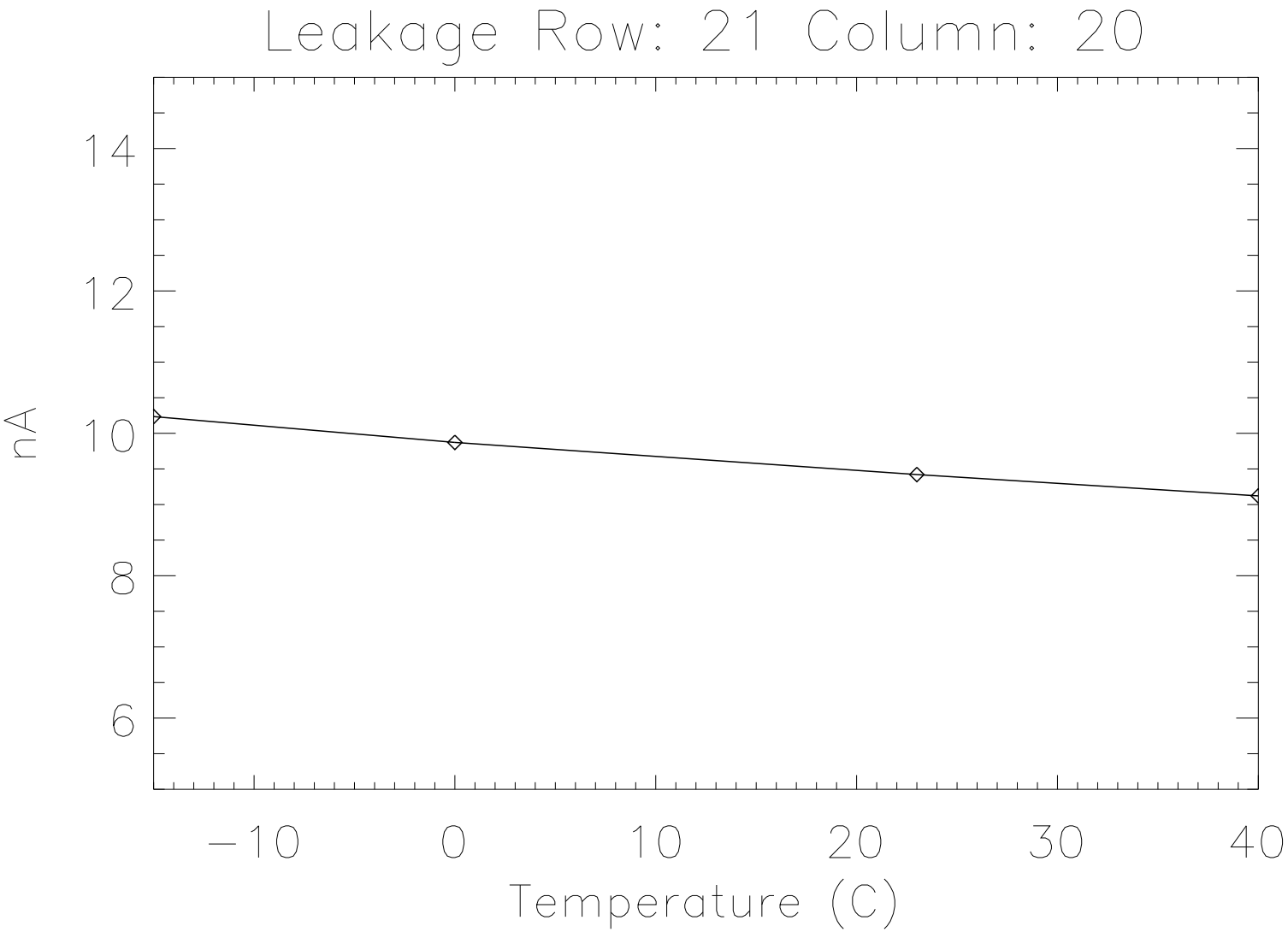
30
40
Temperature (C)


Leakage Row: 21 Column: 20
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8
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−10
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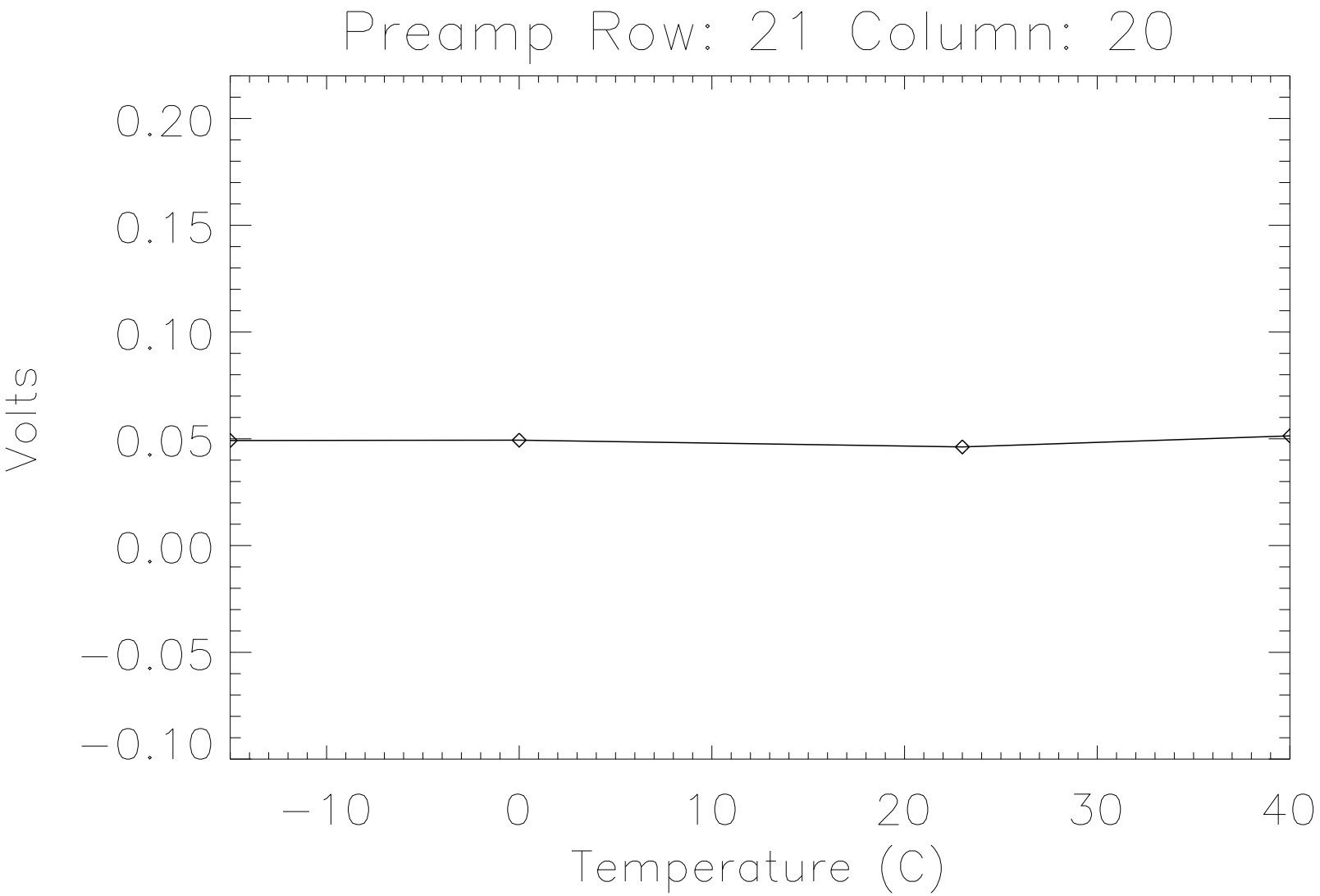
20
30
40
Temperature (C)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Volts
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30
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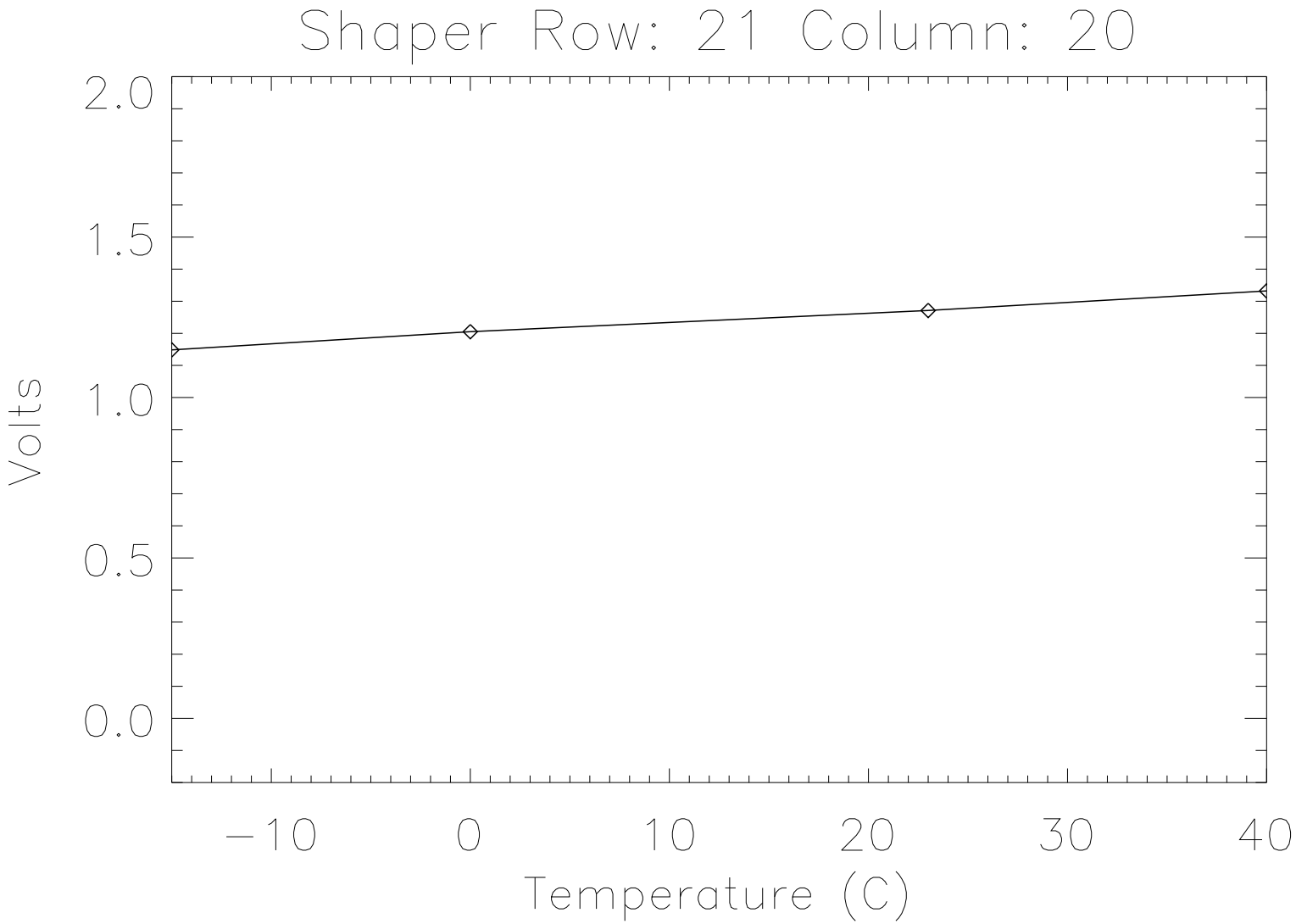
Temperature (C)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Volts
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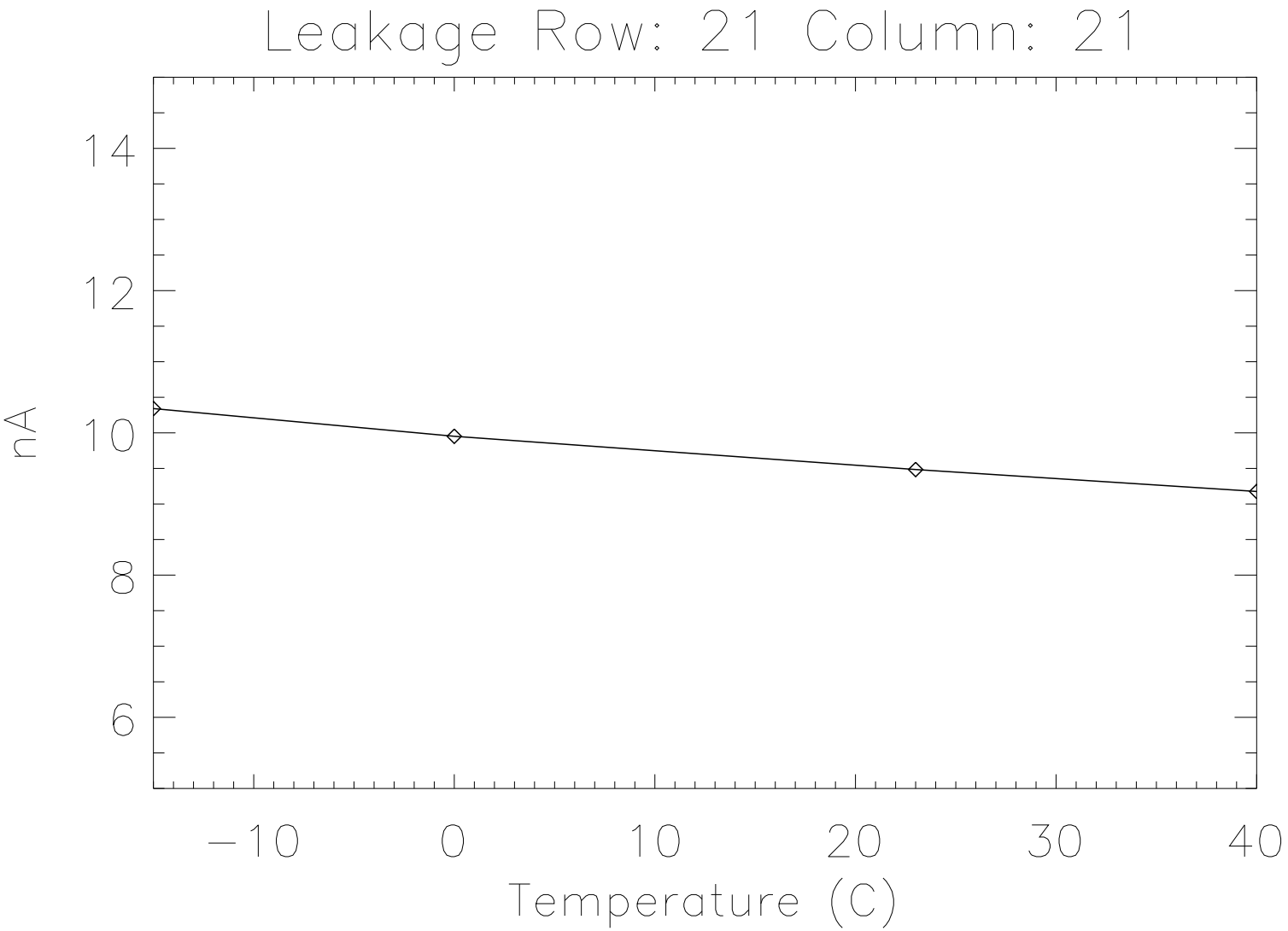
Temperature (C)


Leakage Row: 21 Column: 21
14
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6
nA
−10
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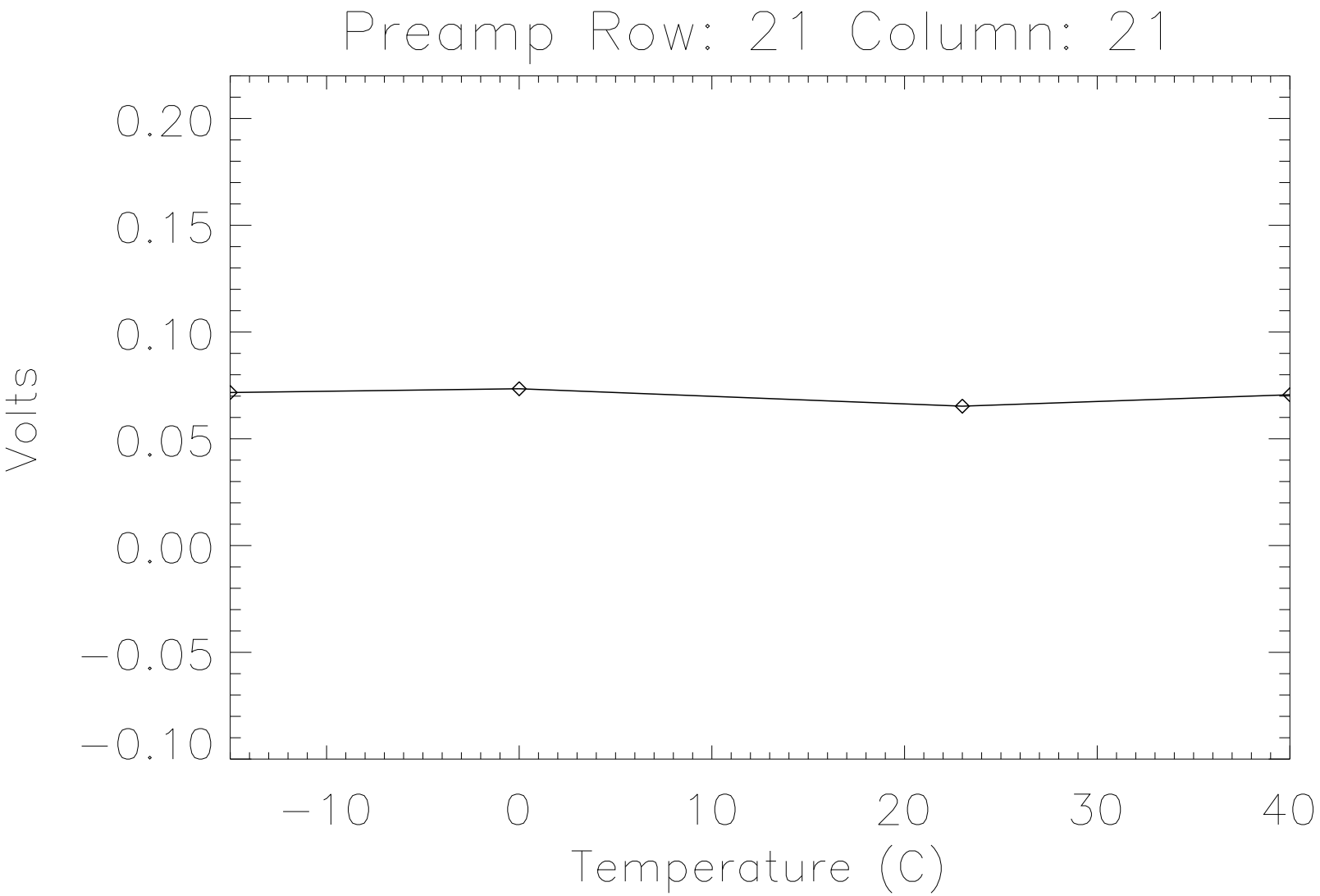
30
40
Temperature (C)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Volts
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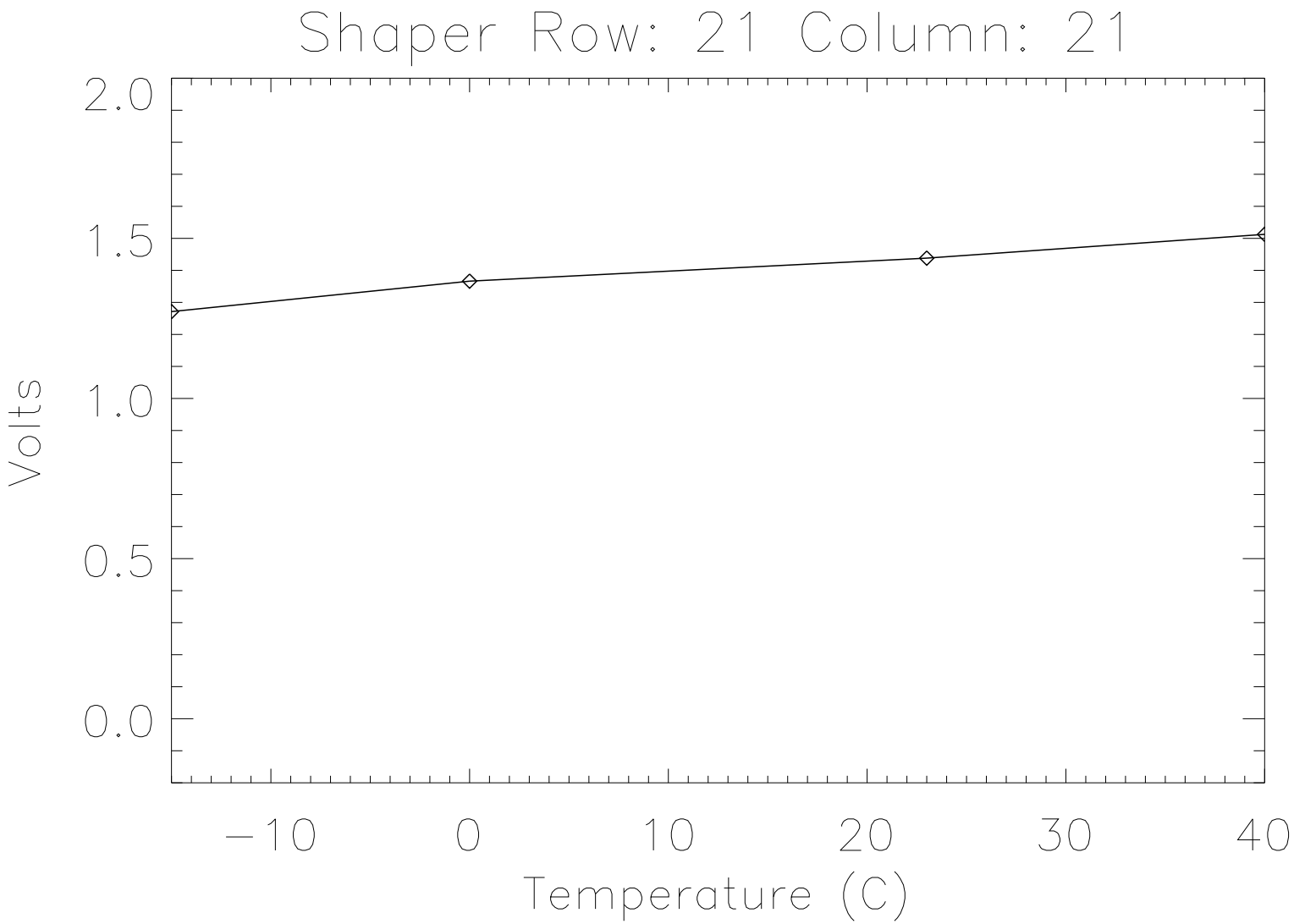
Temperature (C)


Shaper Row: 21 Column: 21
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Volts
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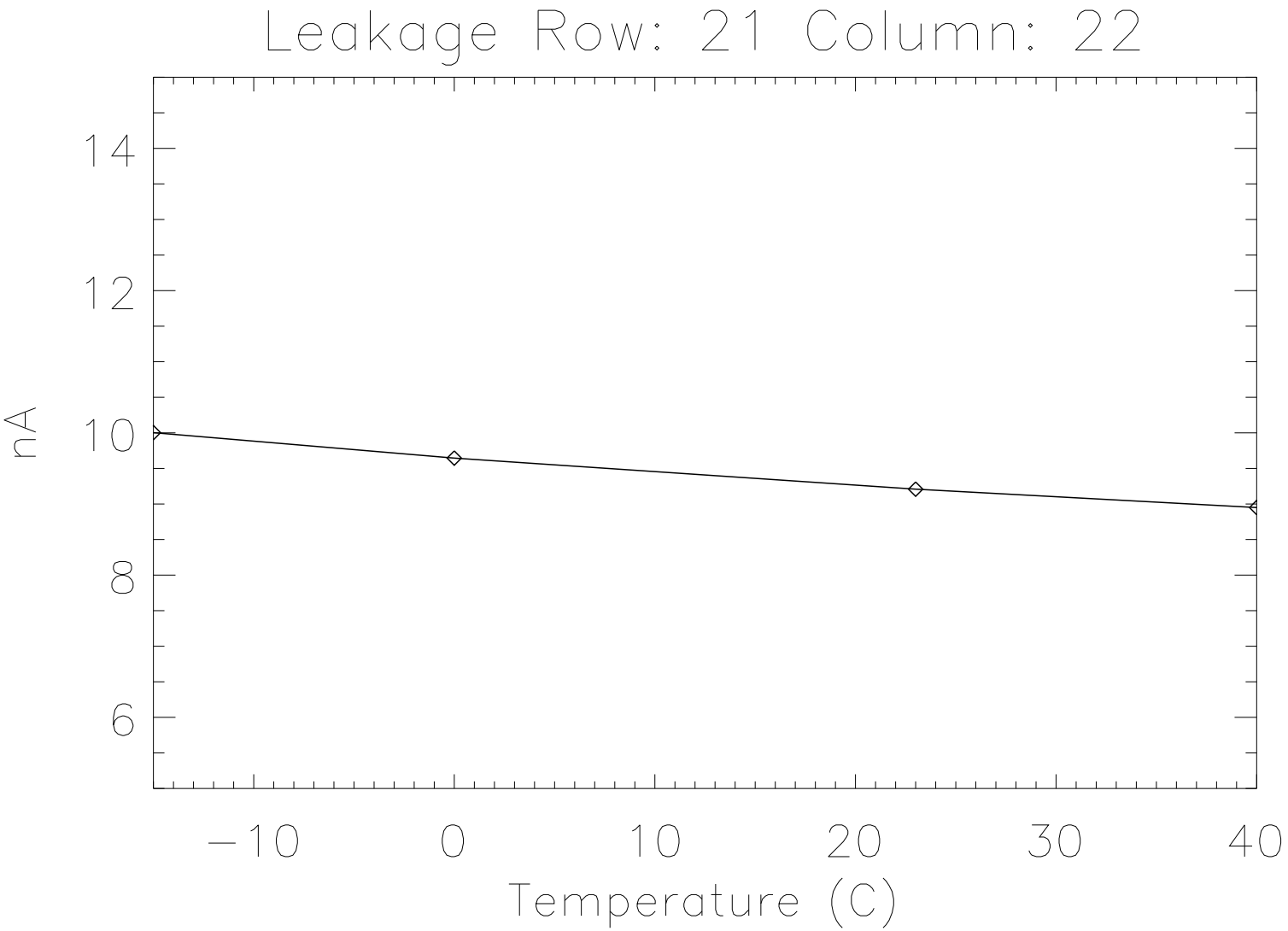
Temperature (C)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nA
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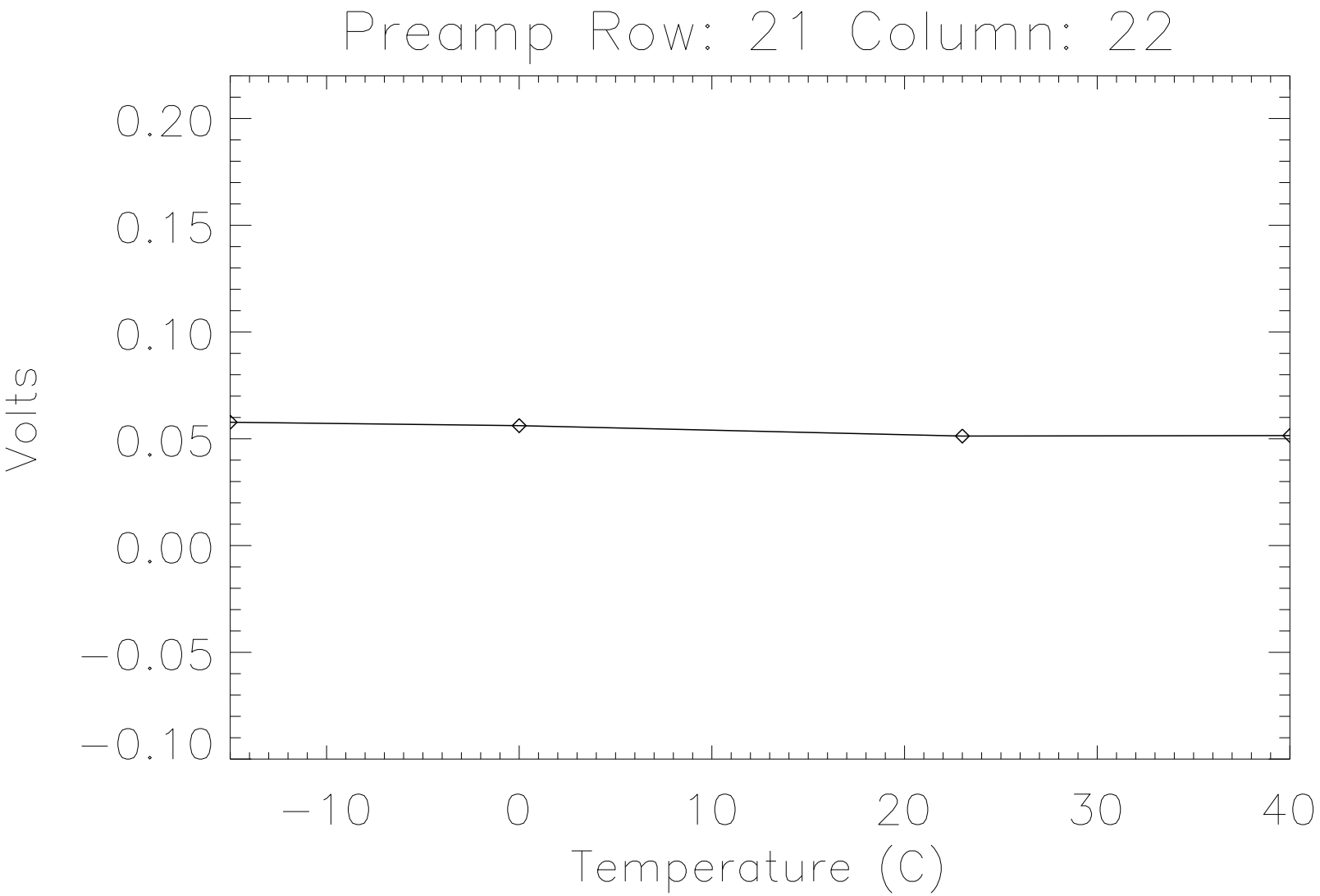
30
40
Temperature (C)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0.10
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0.00
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Volts
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30
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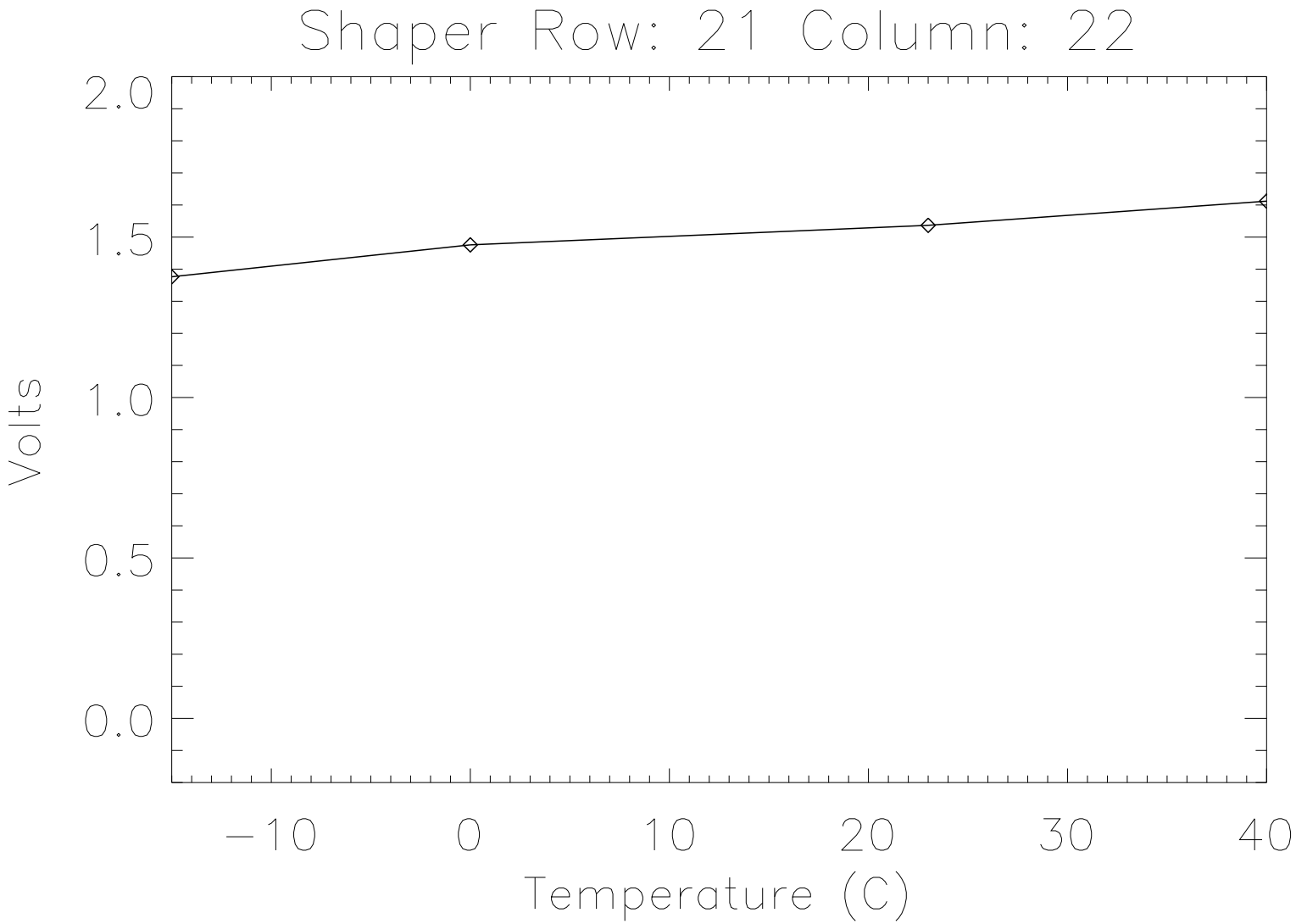
Temperature (C)


Shaper Row: 21 Column: 22
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1.0
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Volts
−10
0
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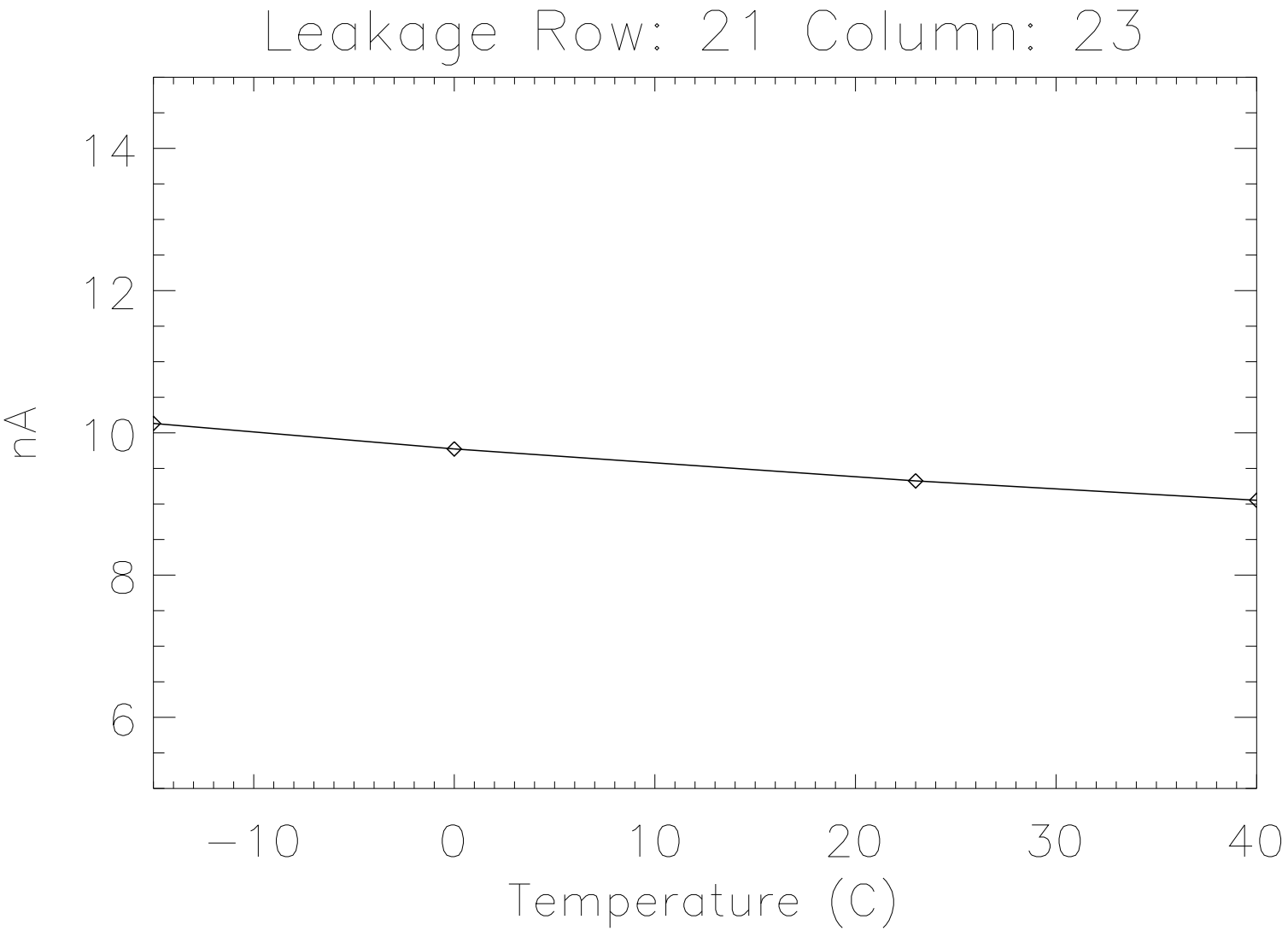
30
40
Temperature (C)


Leakage Row: 21 Column: 23
nA
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8
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−10
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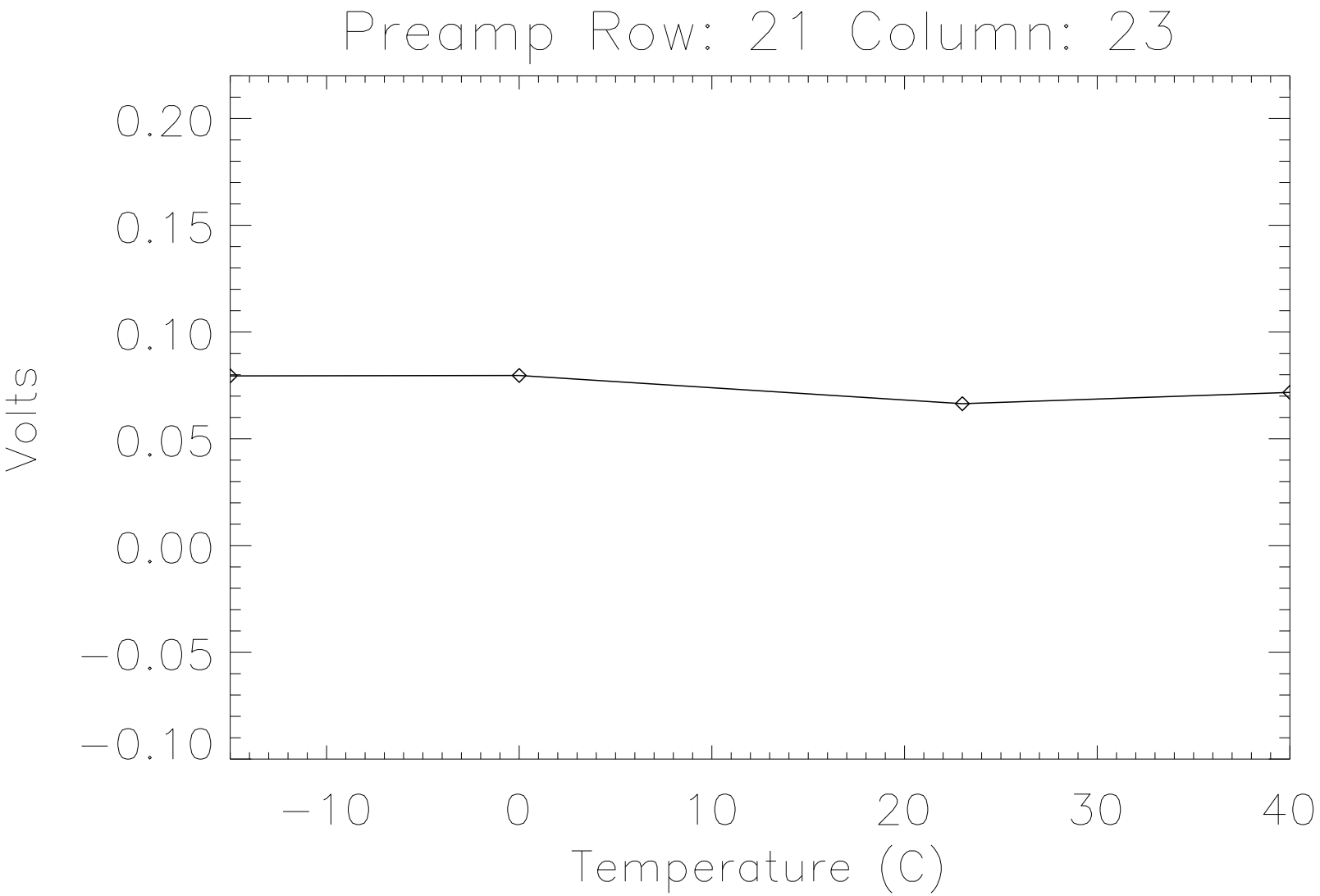
30
40
Temperature (C)


Preamp Row: 21 Column: 23
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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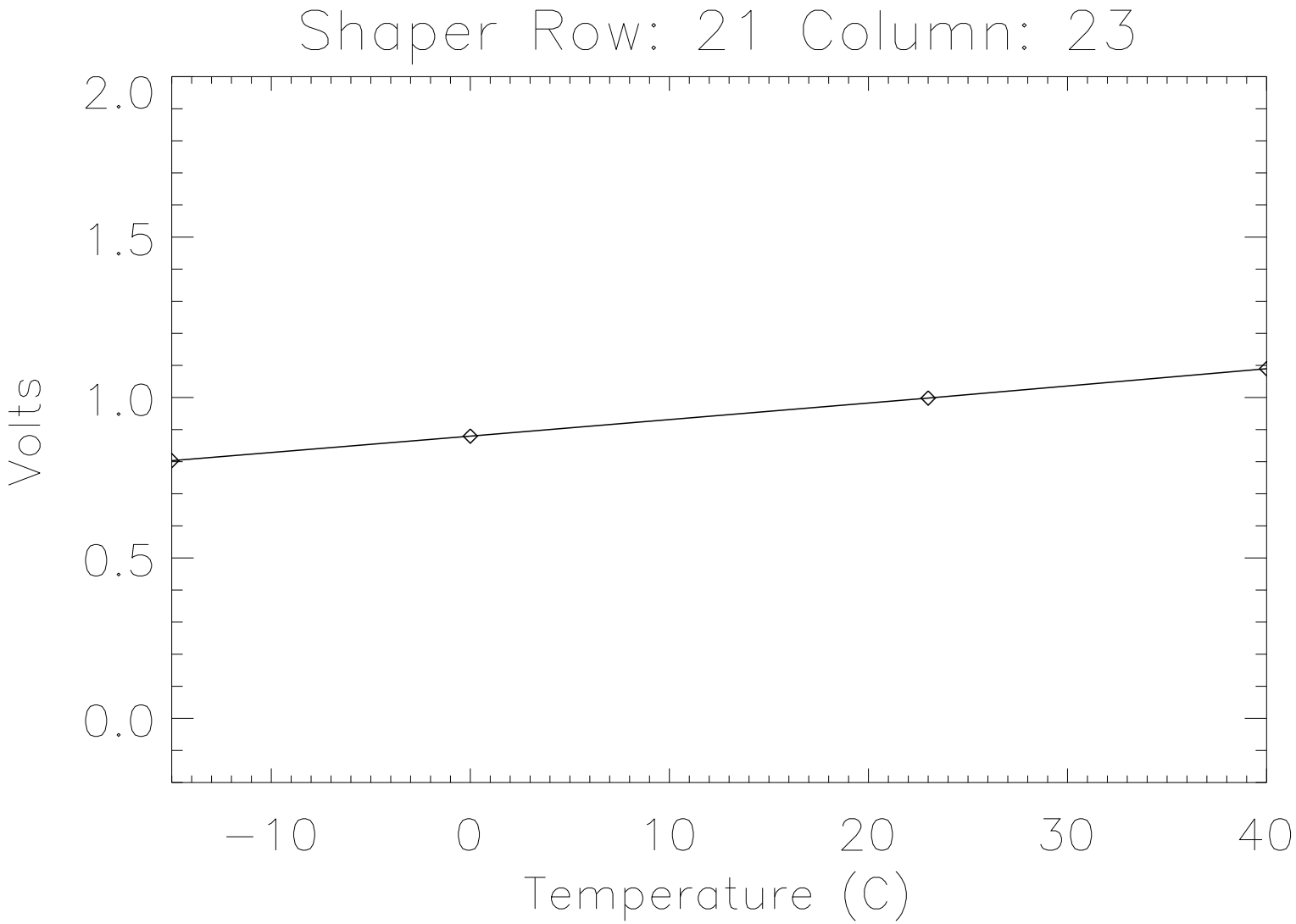
30
40
Temperature (C)


Shaper Row: 21 Column: 23
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1.5
1.0
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0.0
Volts
−10
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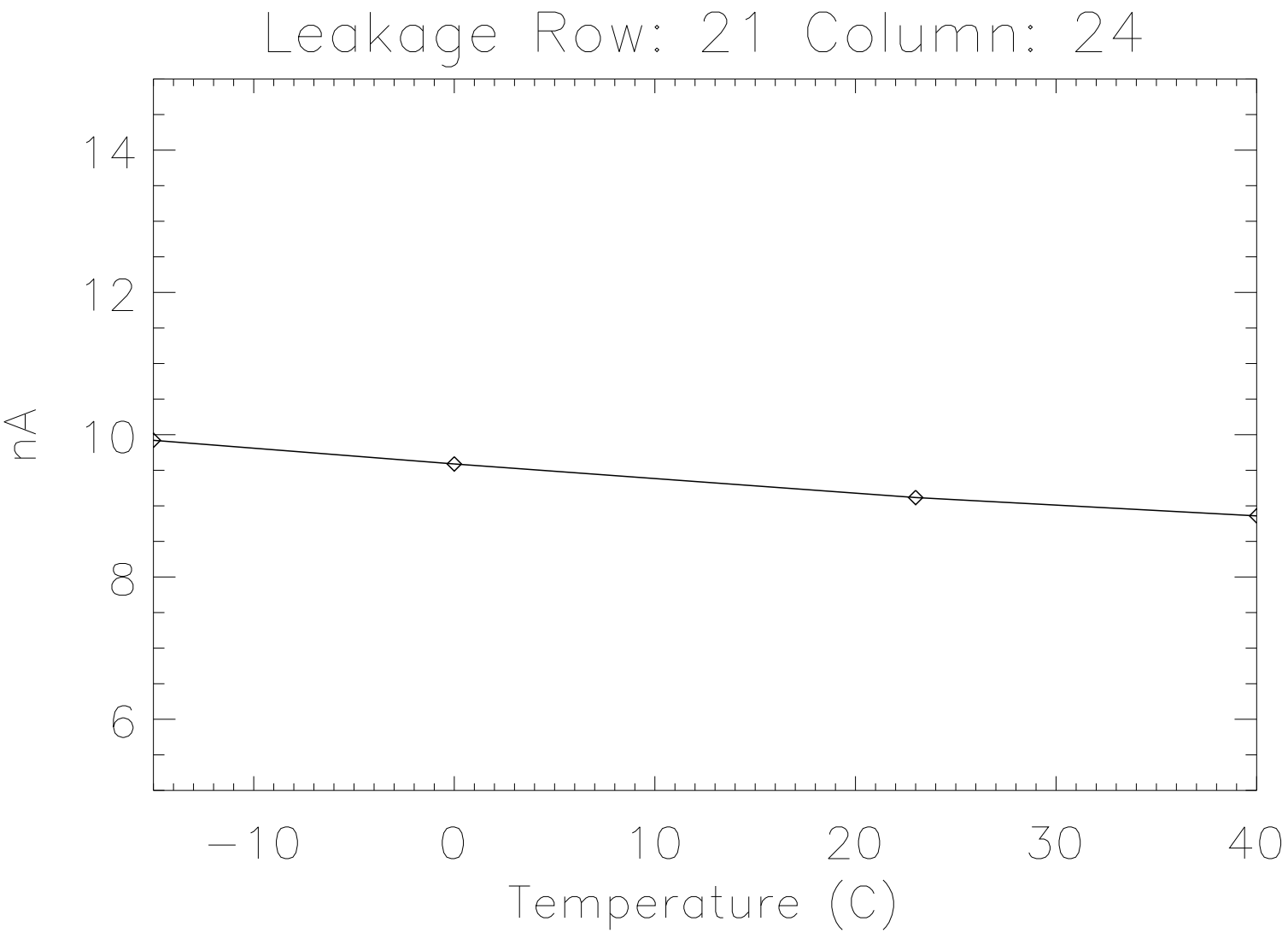
Temperature (C)


Leakage Row: 21 Column: 24
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nA
−10
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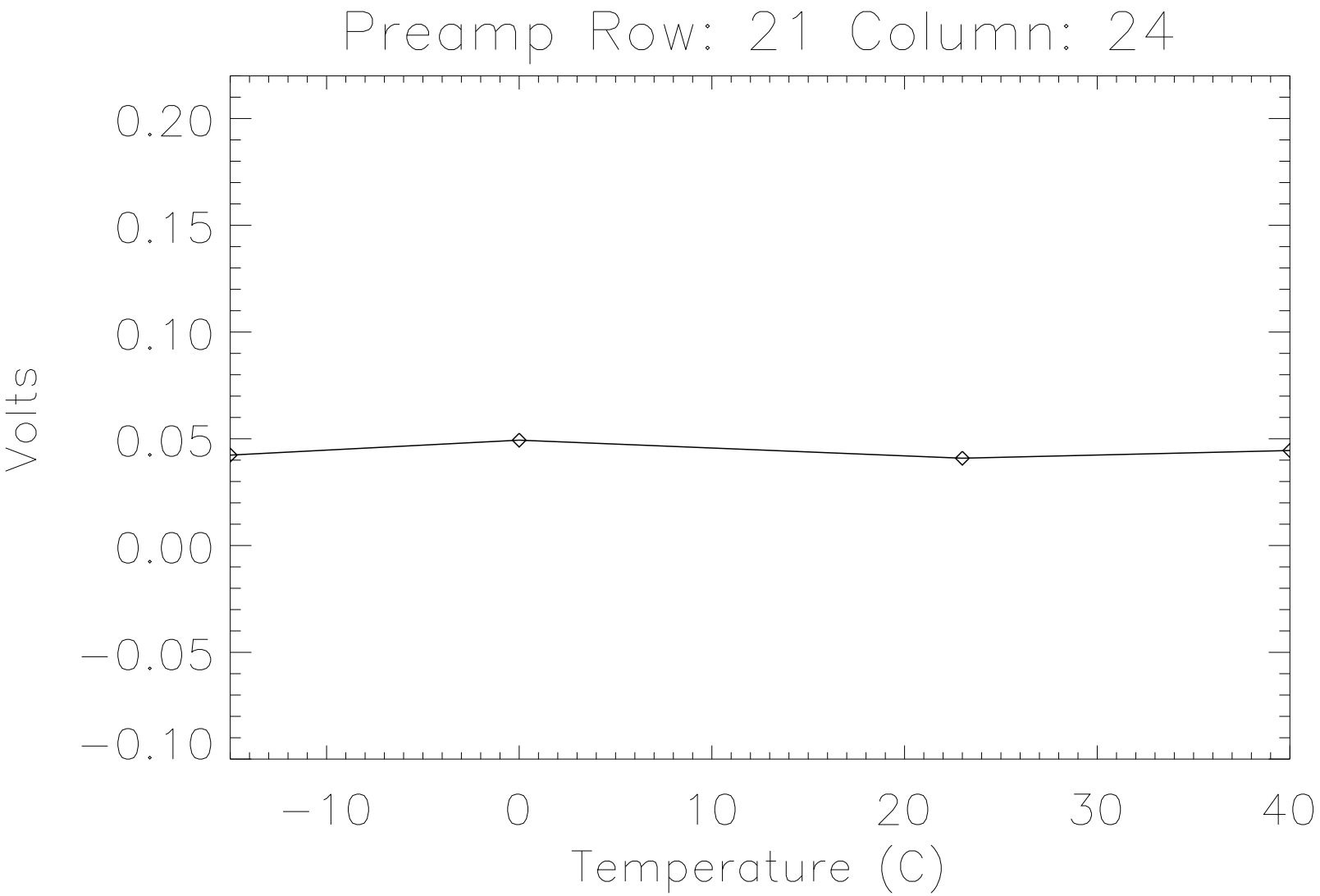
30
40
Temperature (C)


Preamp Row: 21 Column: 24
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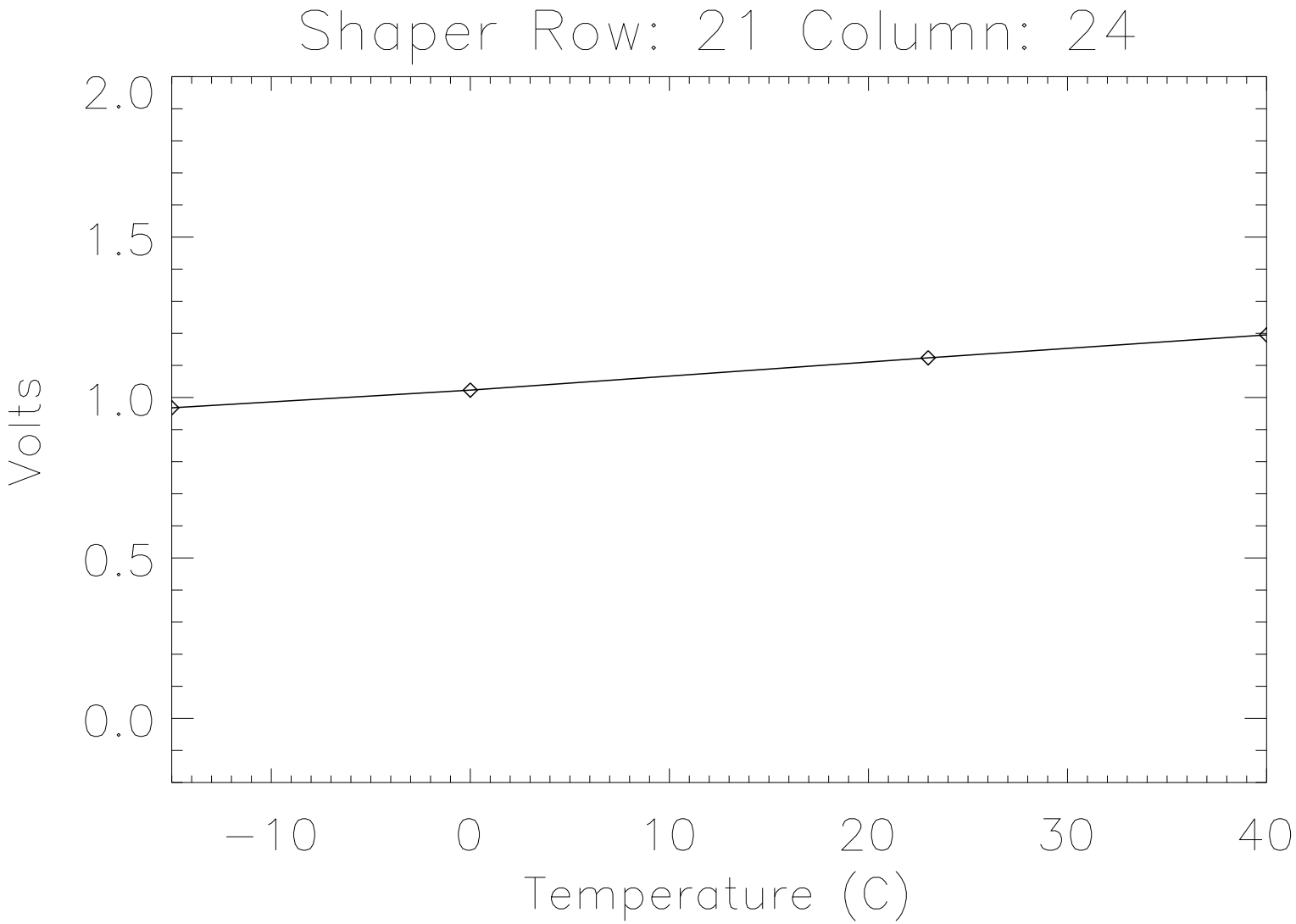
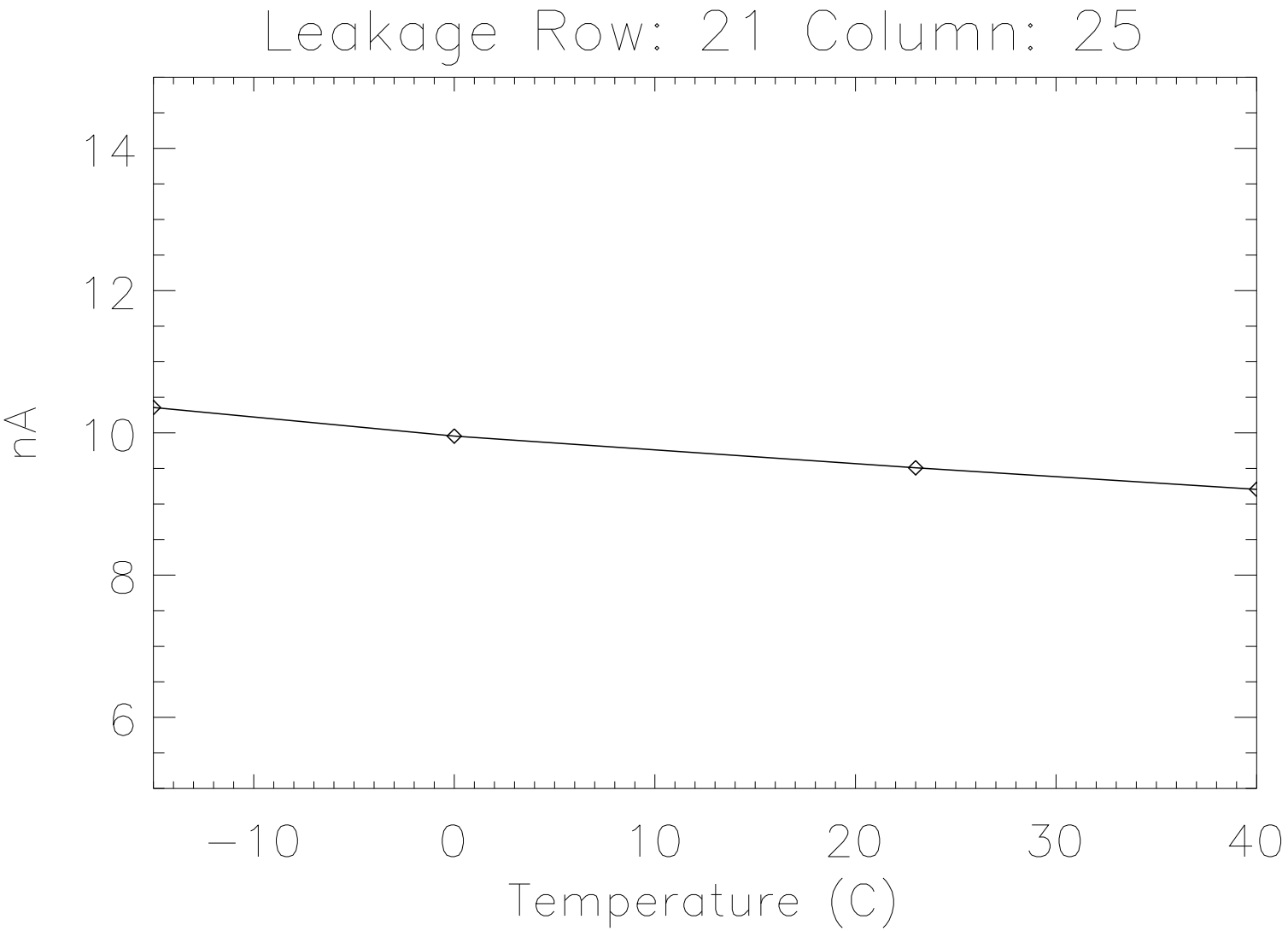
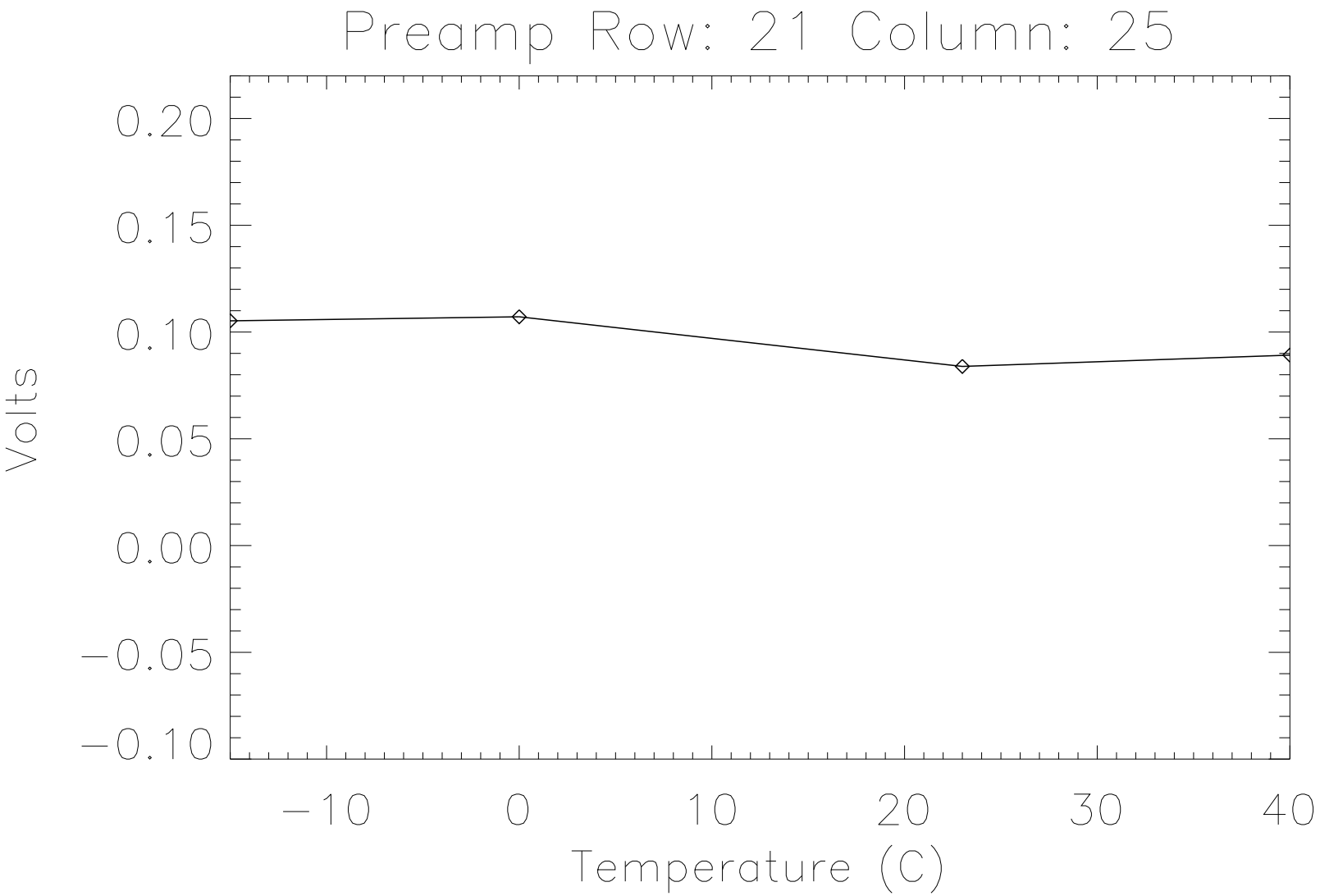
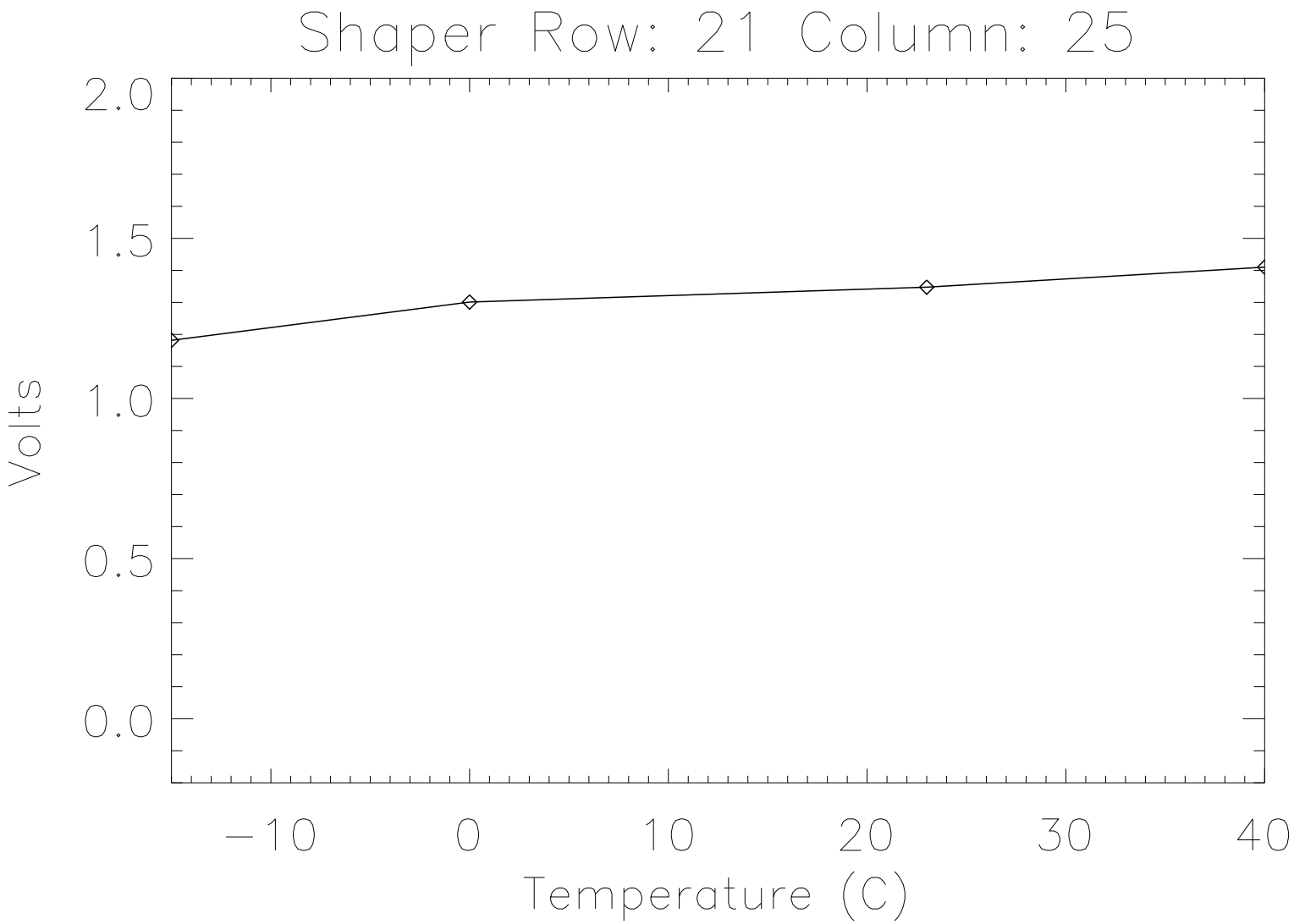
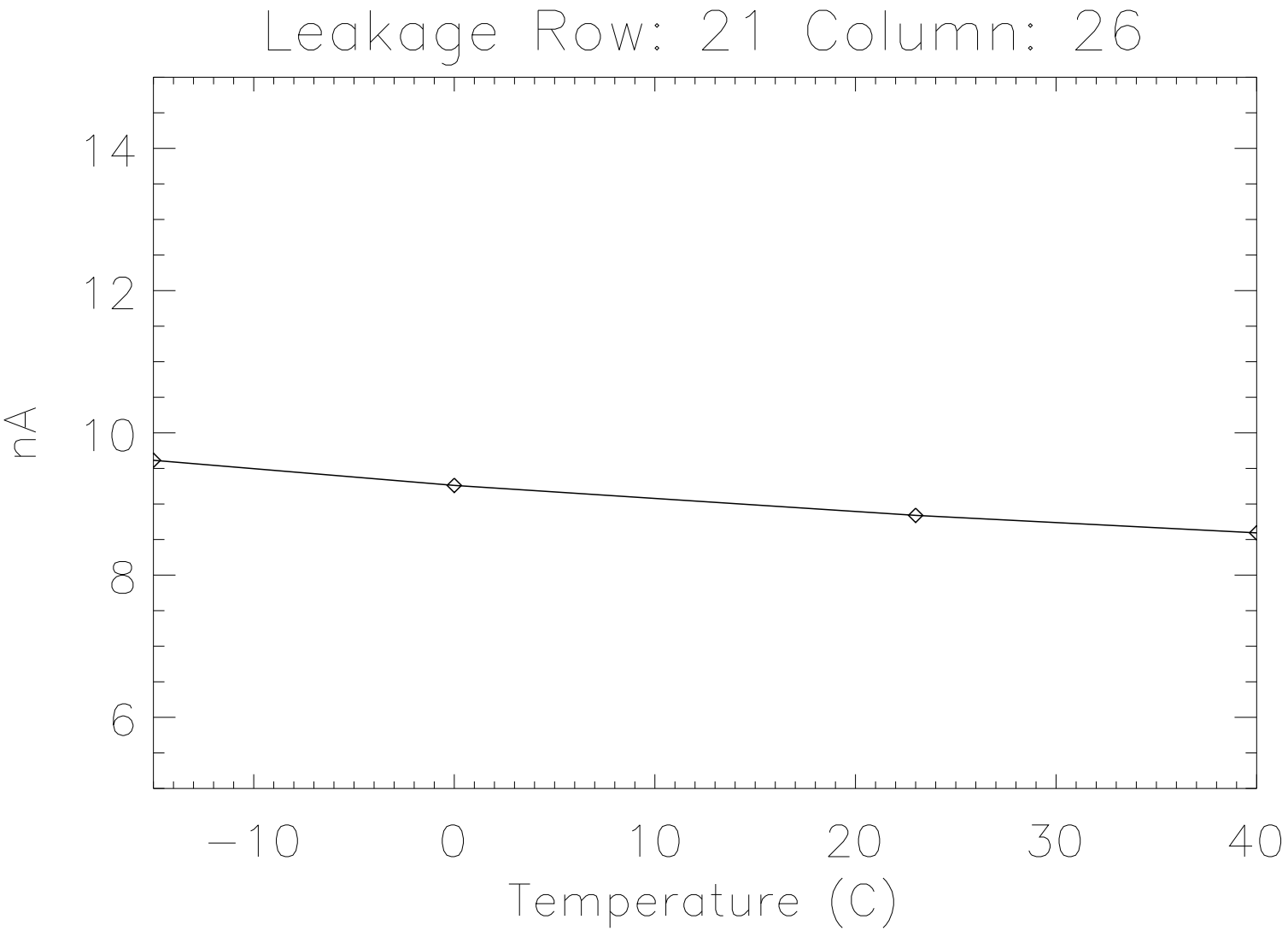
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

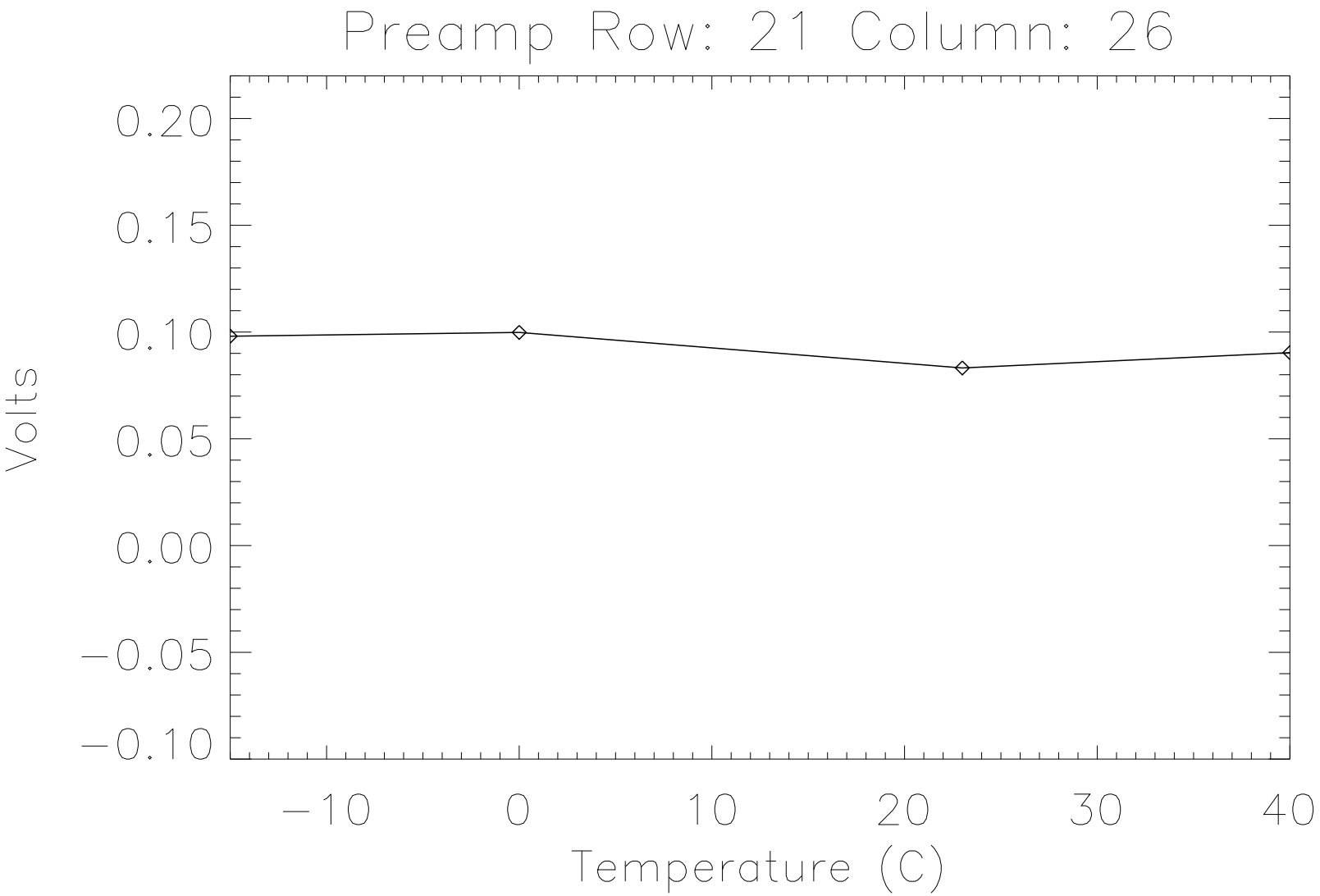

Shaper Row: 21 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

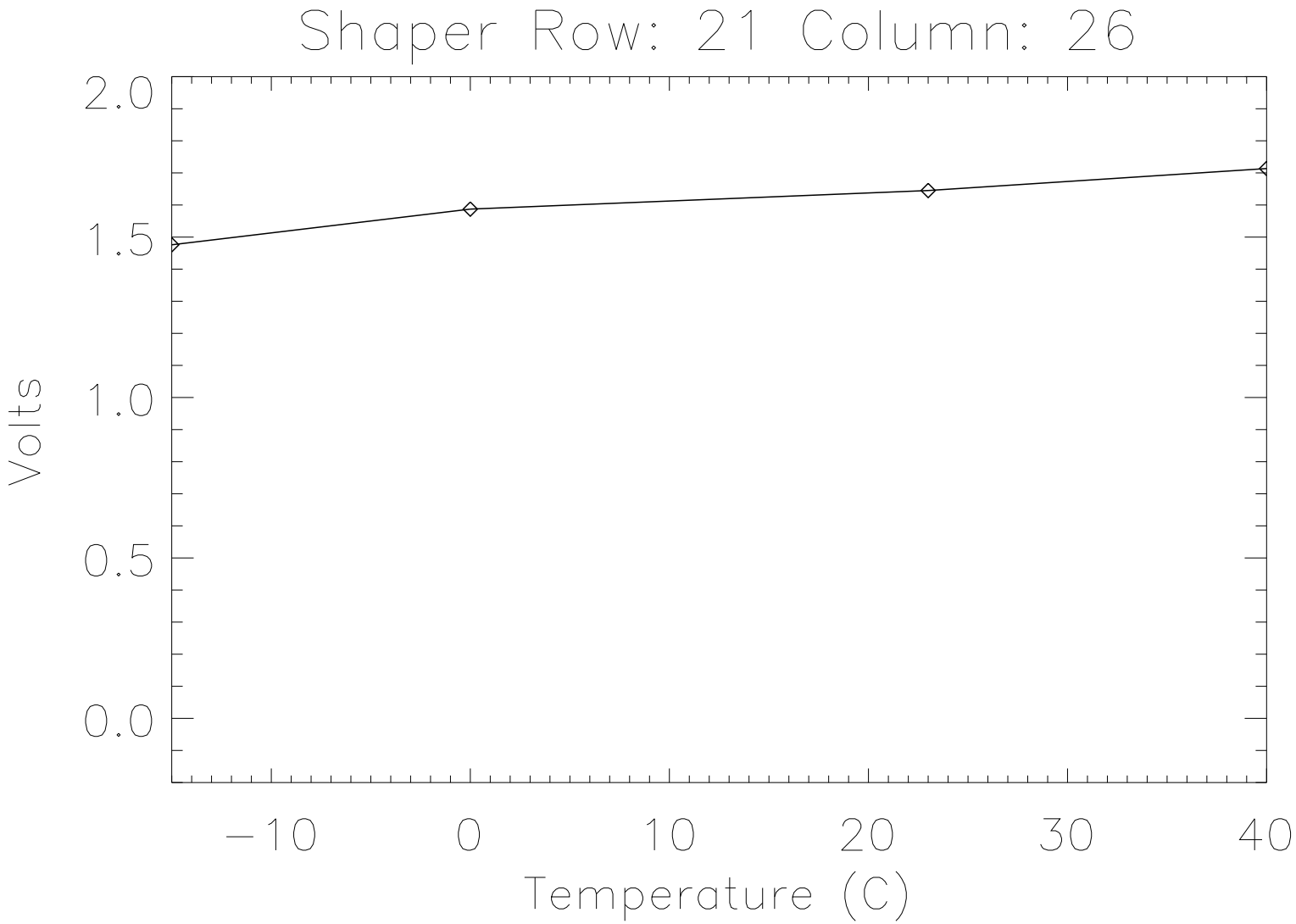

Leakage Row: 21 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

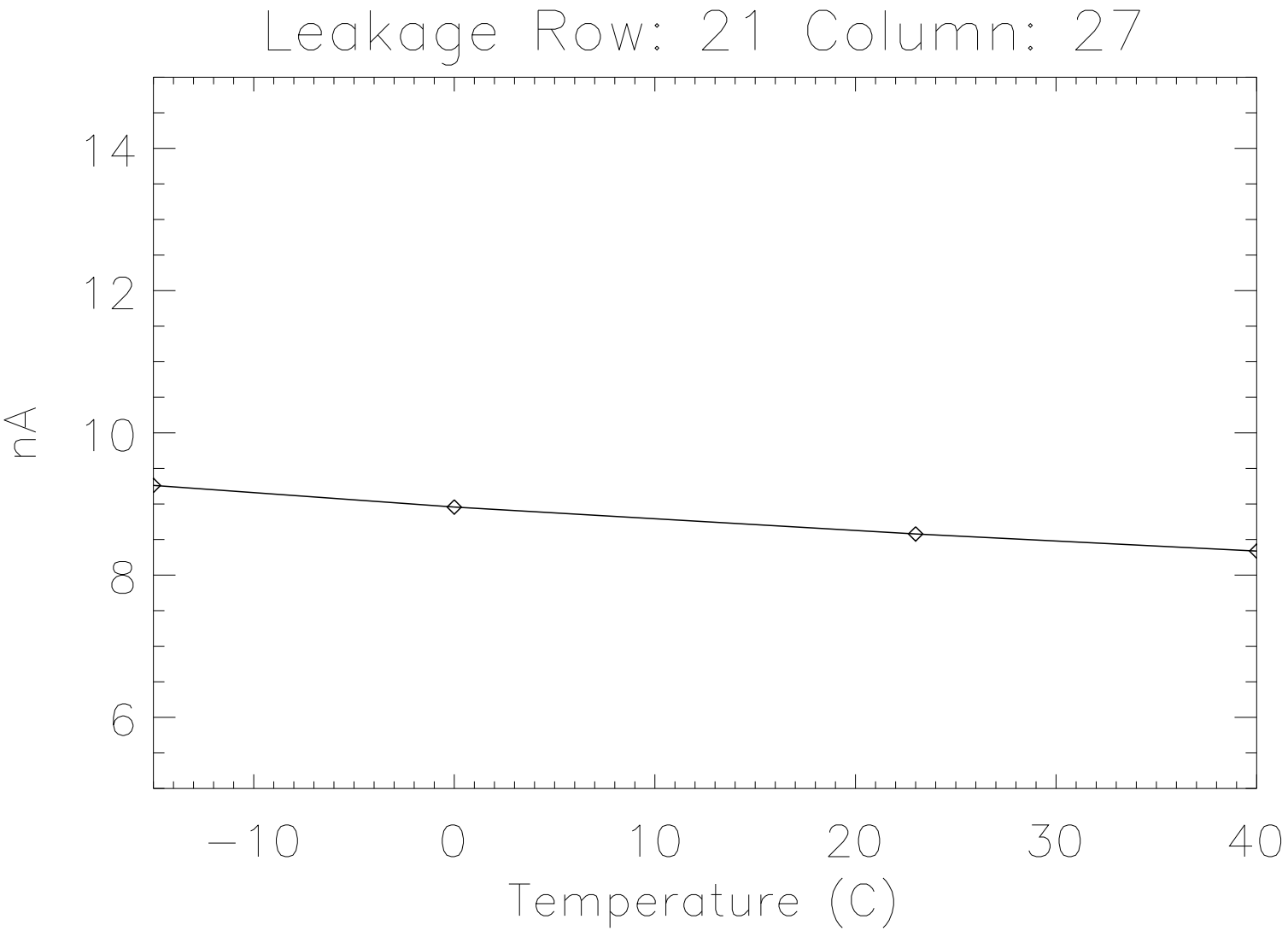

Preamp Row: 21 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

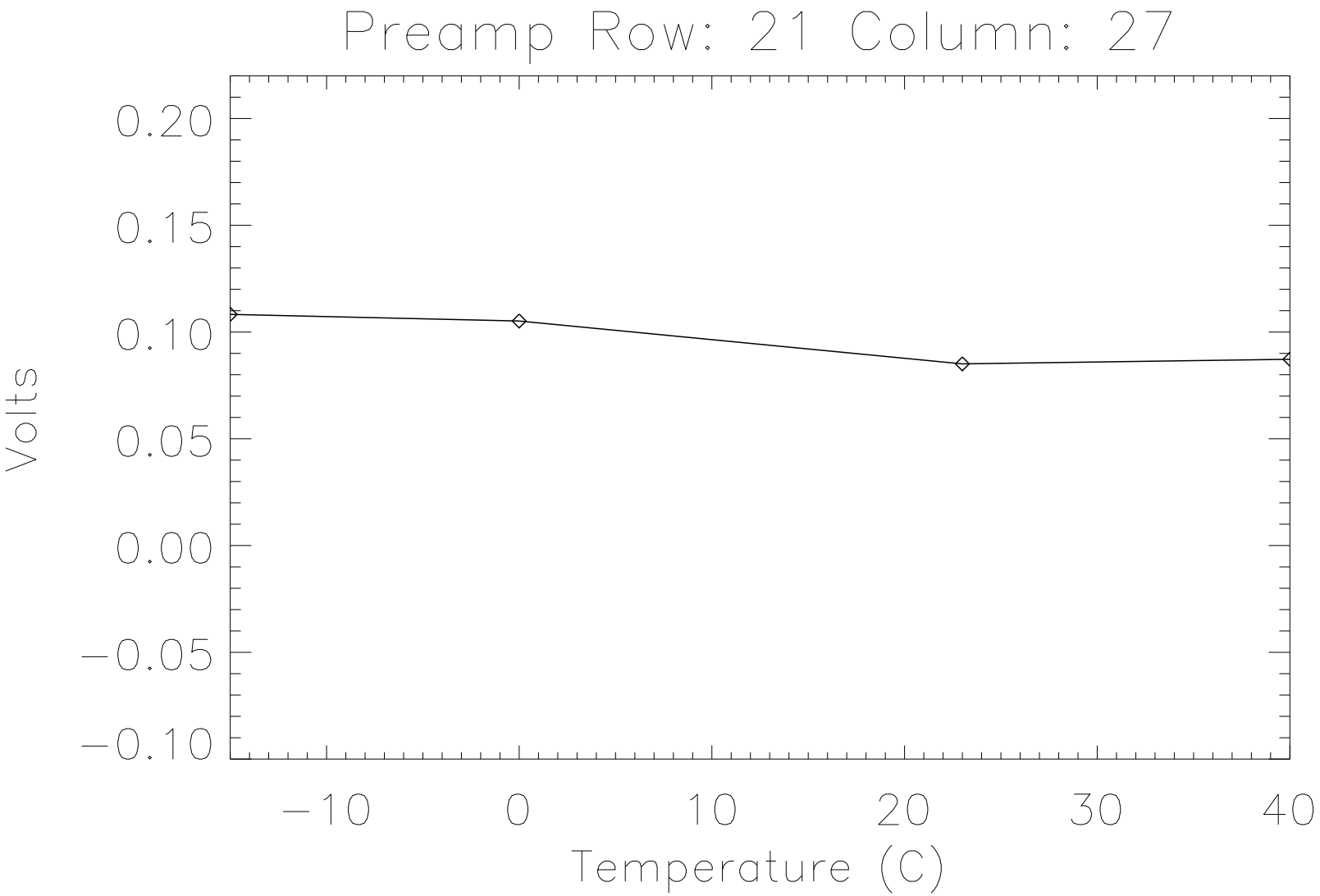

Shaper Row: 21 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

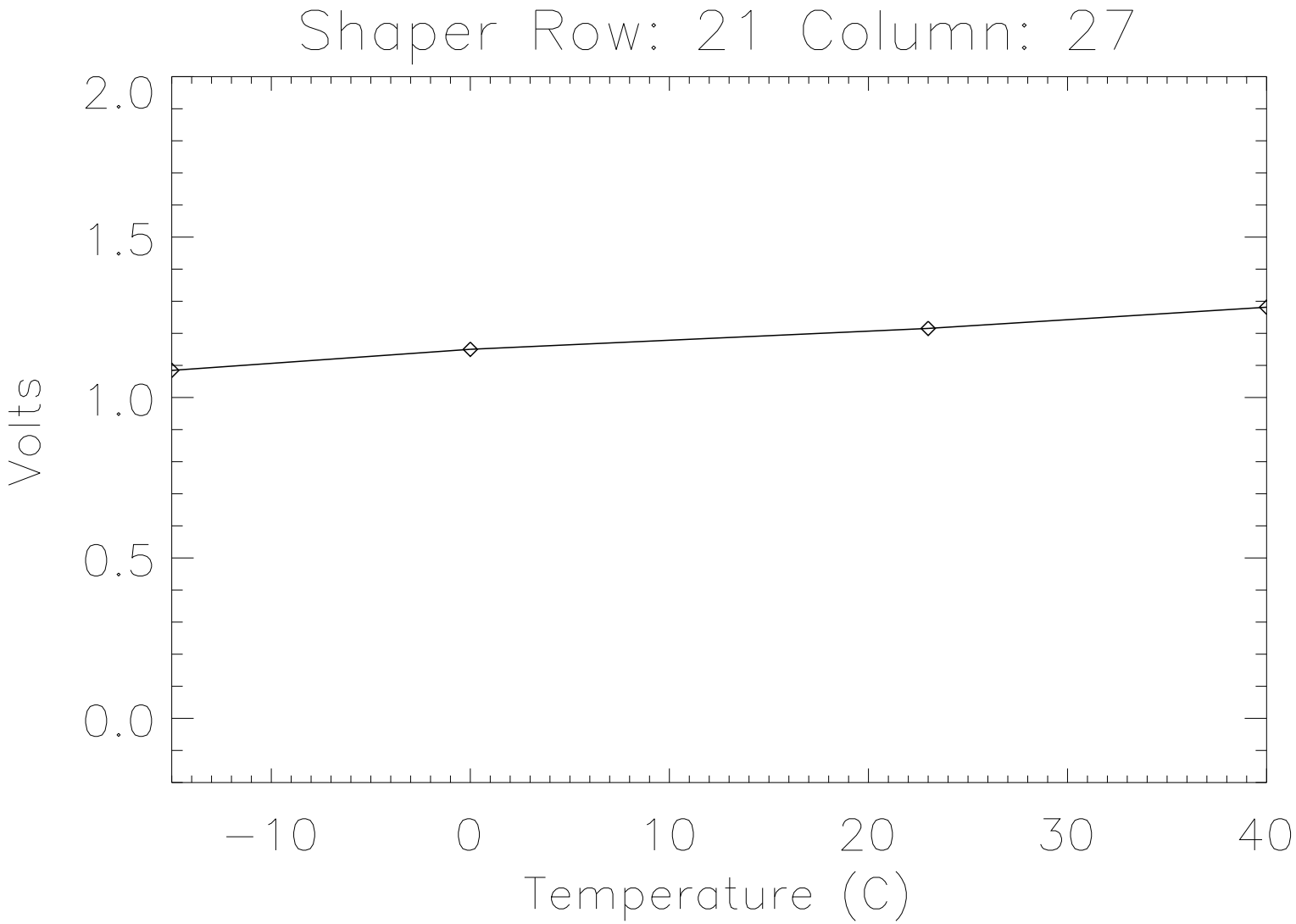

Leakage Row: 21 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

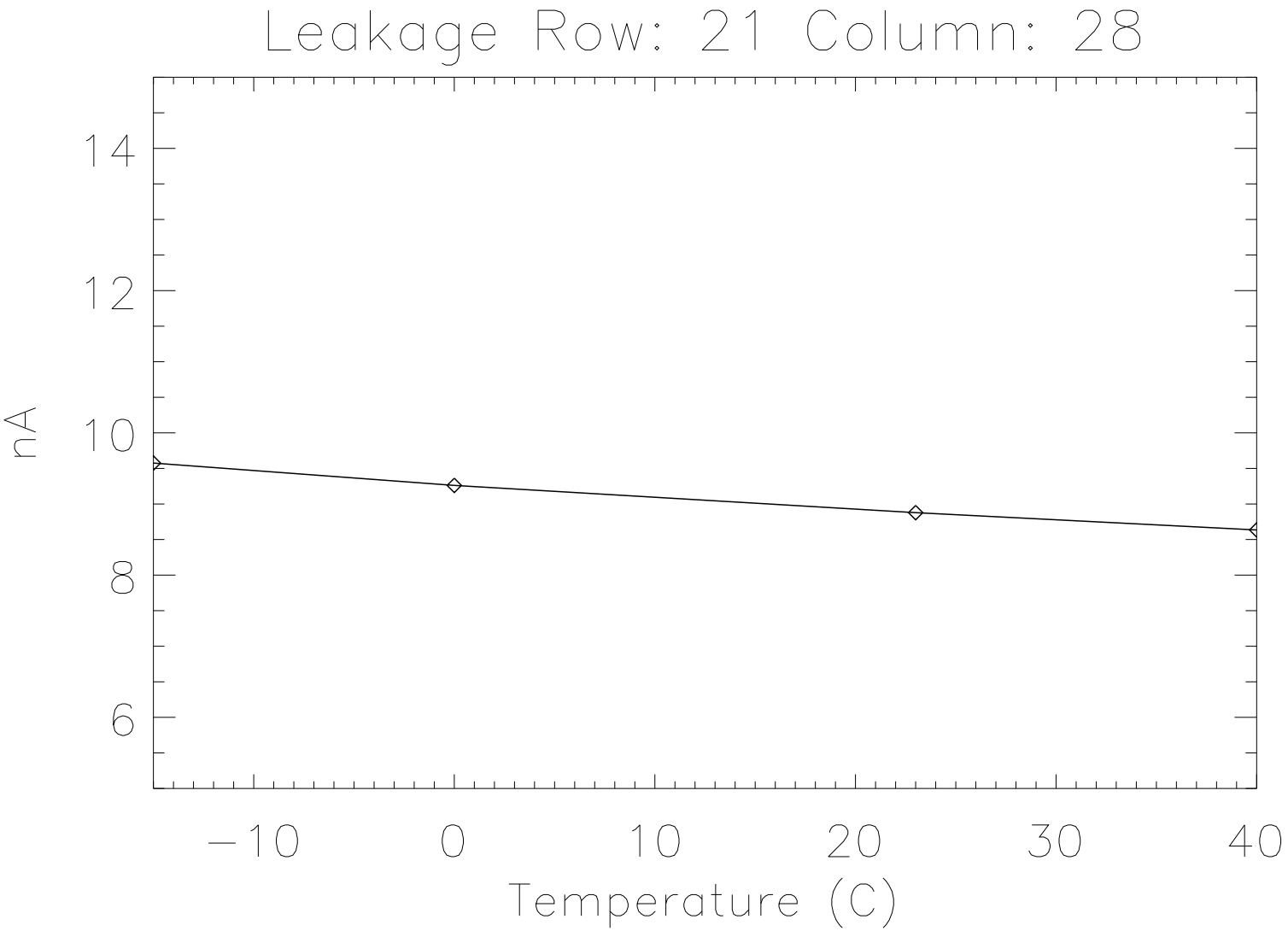

Preamp Row: 21 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

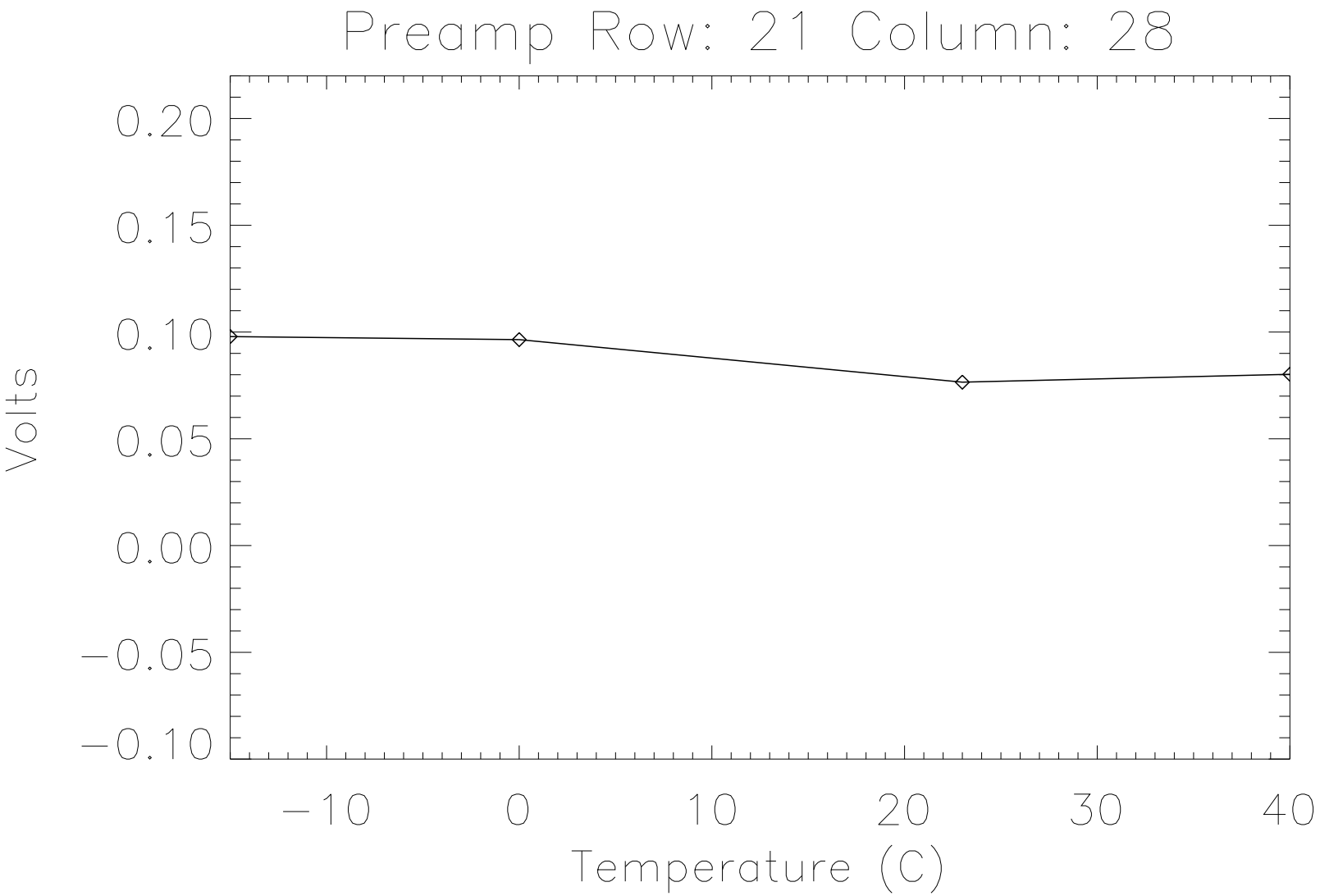

Shaper Row: 21 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

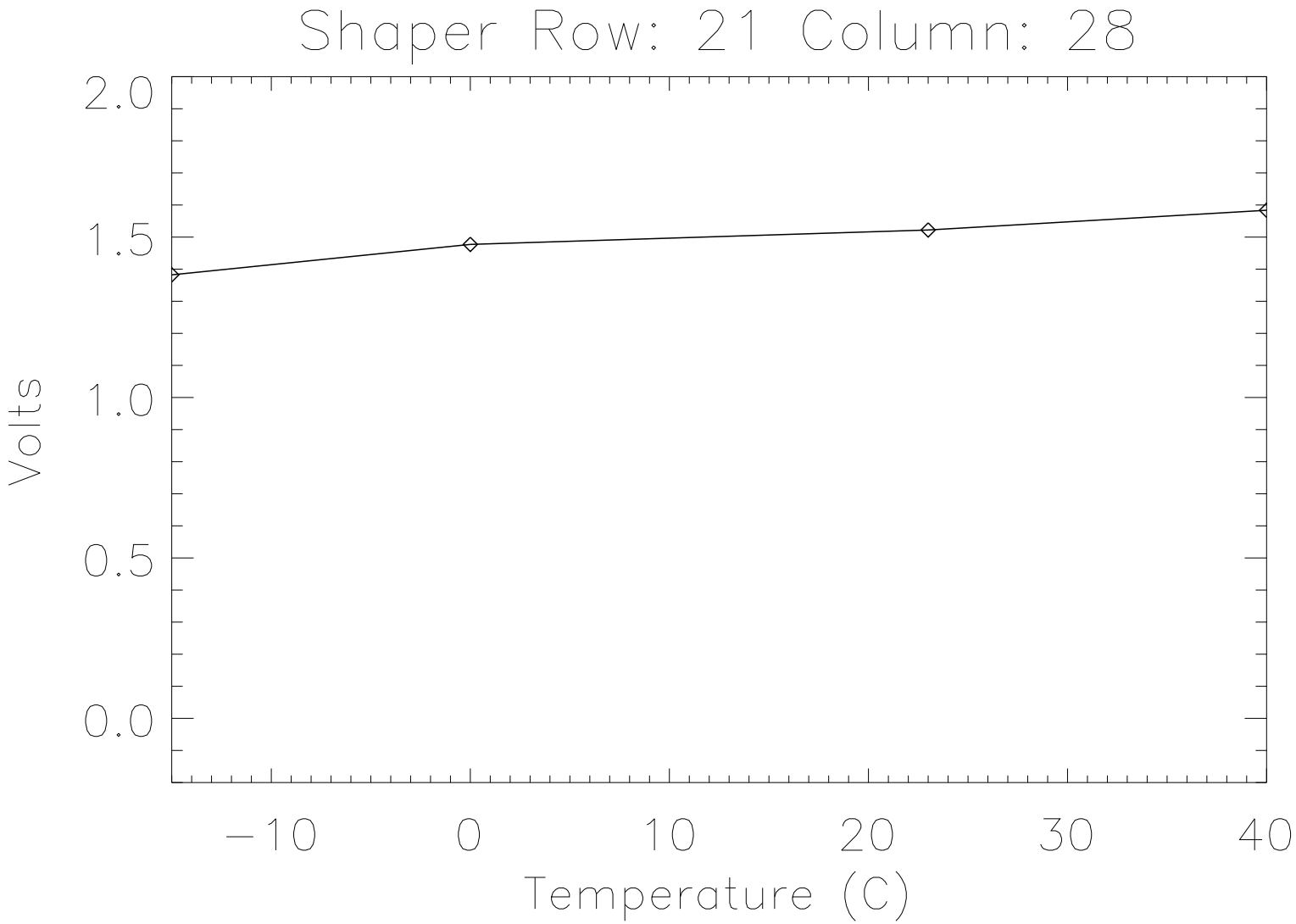

Leakage Row: 21 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

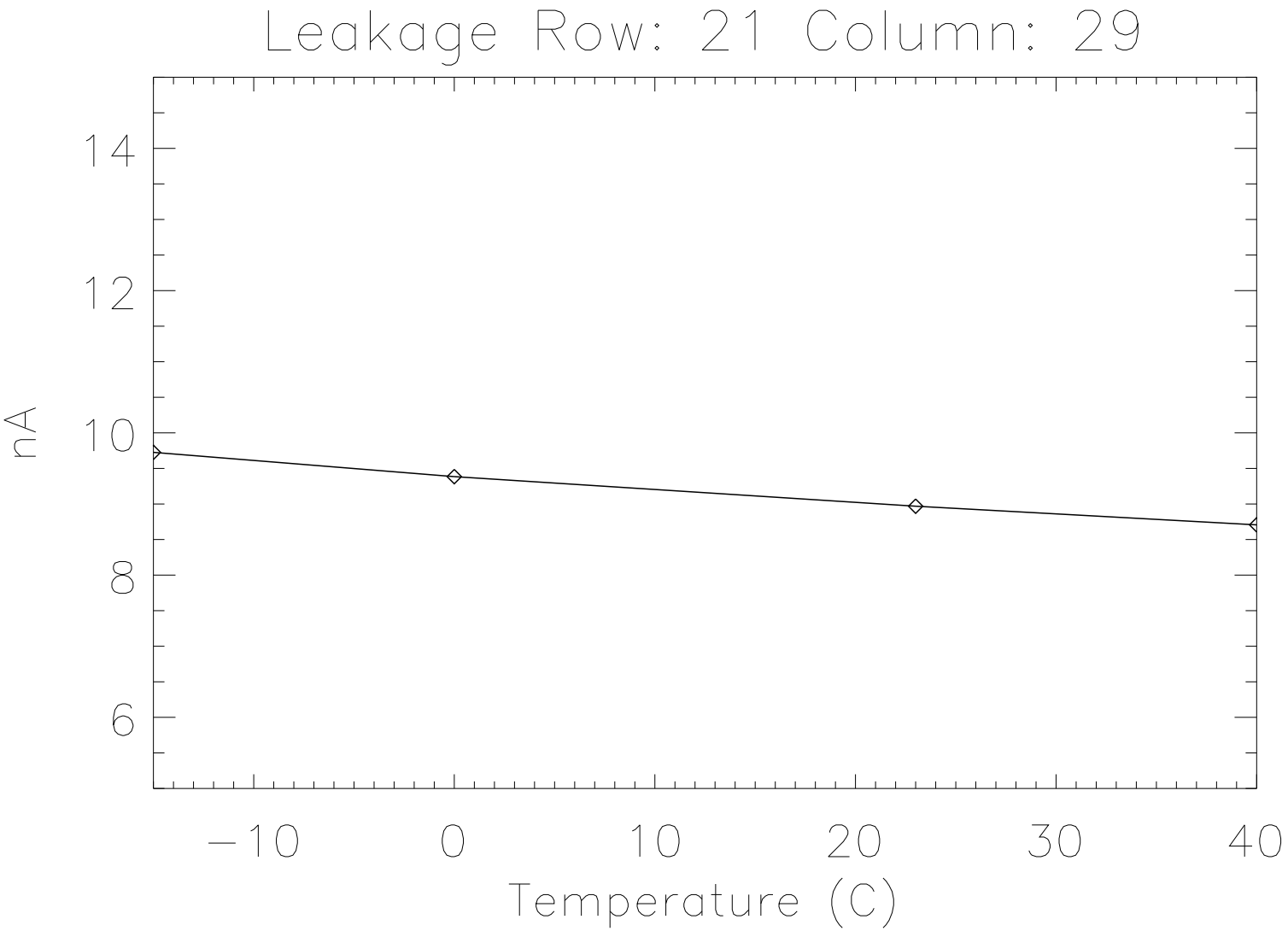

Preamp Row: 21 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

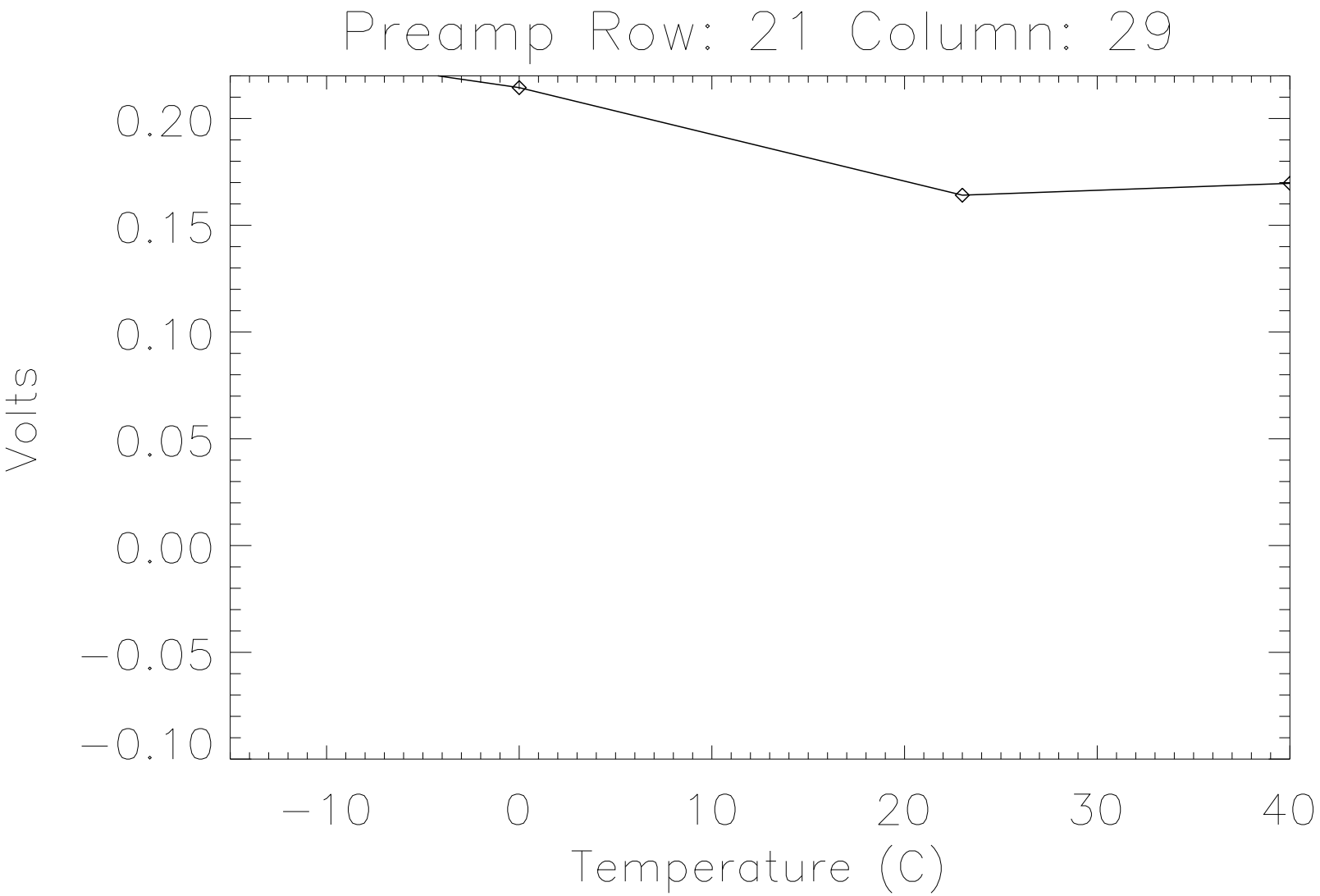

Shaper Row: 21 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

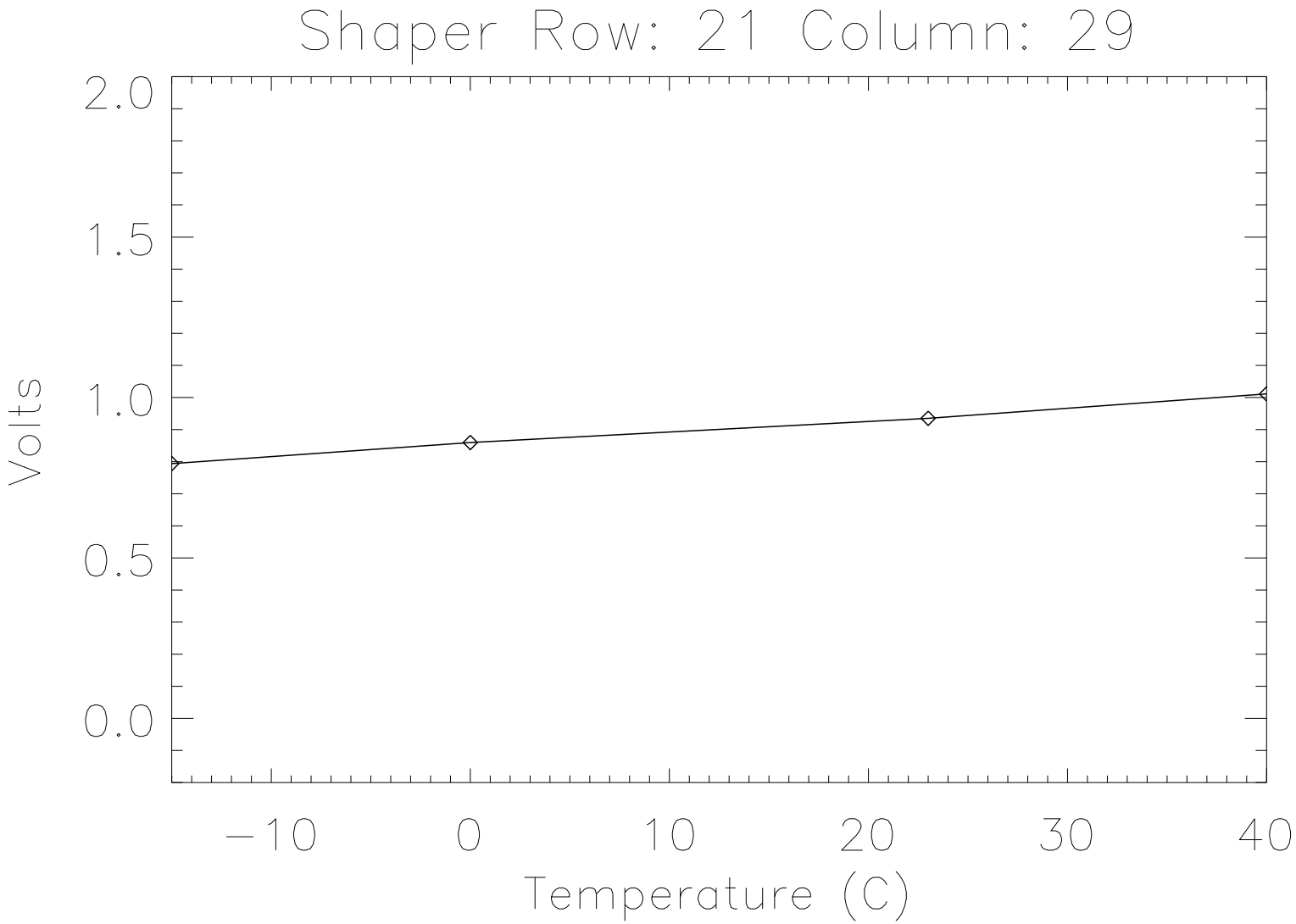

Leakage Row: 21 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

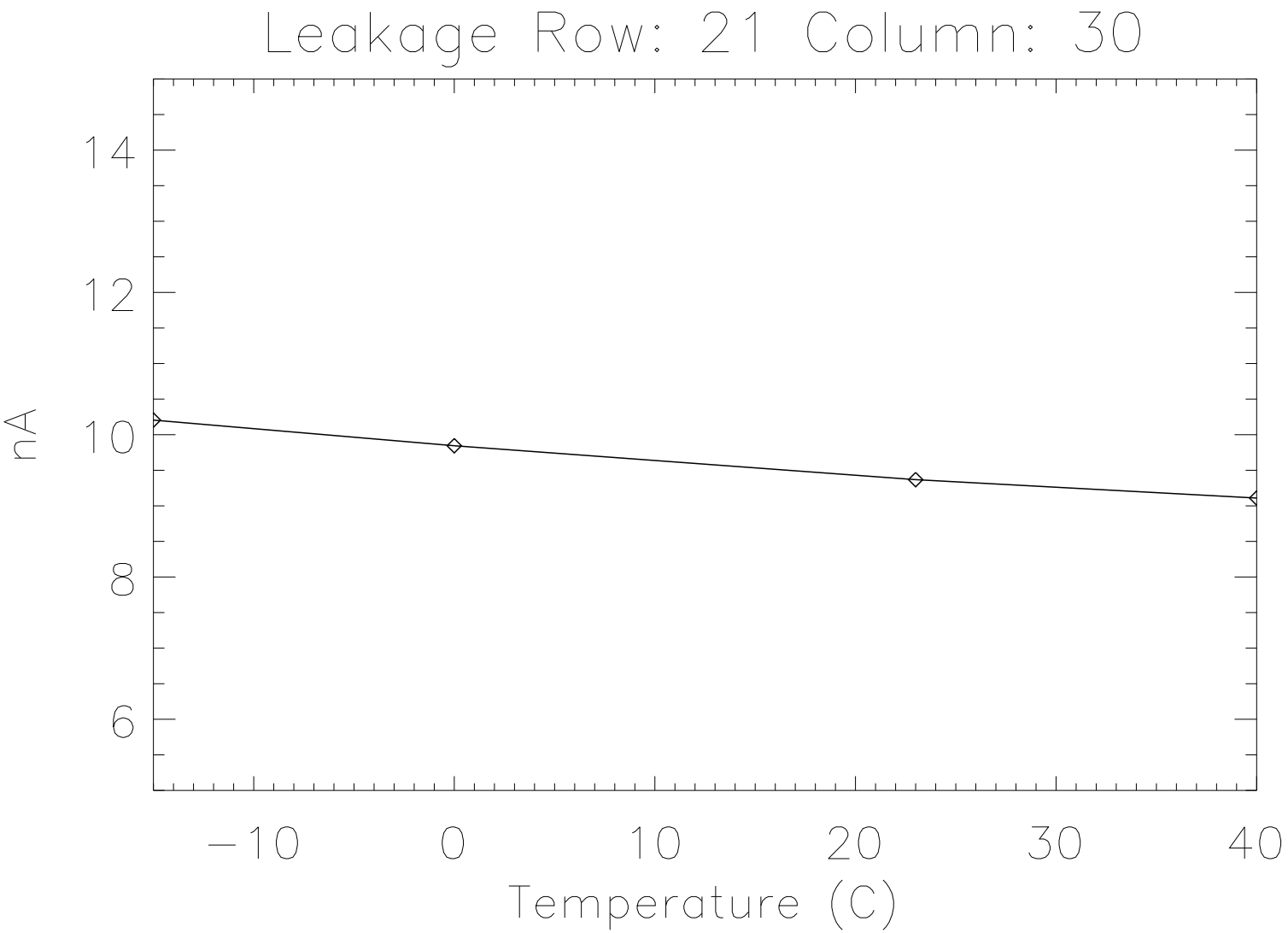

Preamp Row: 21 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

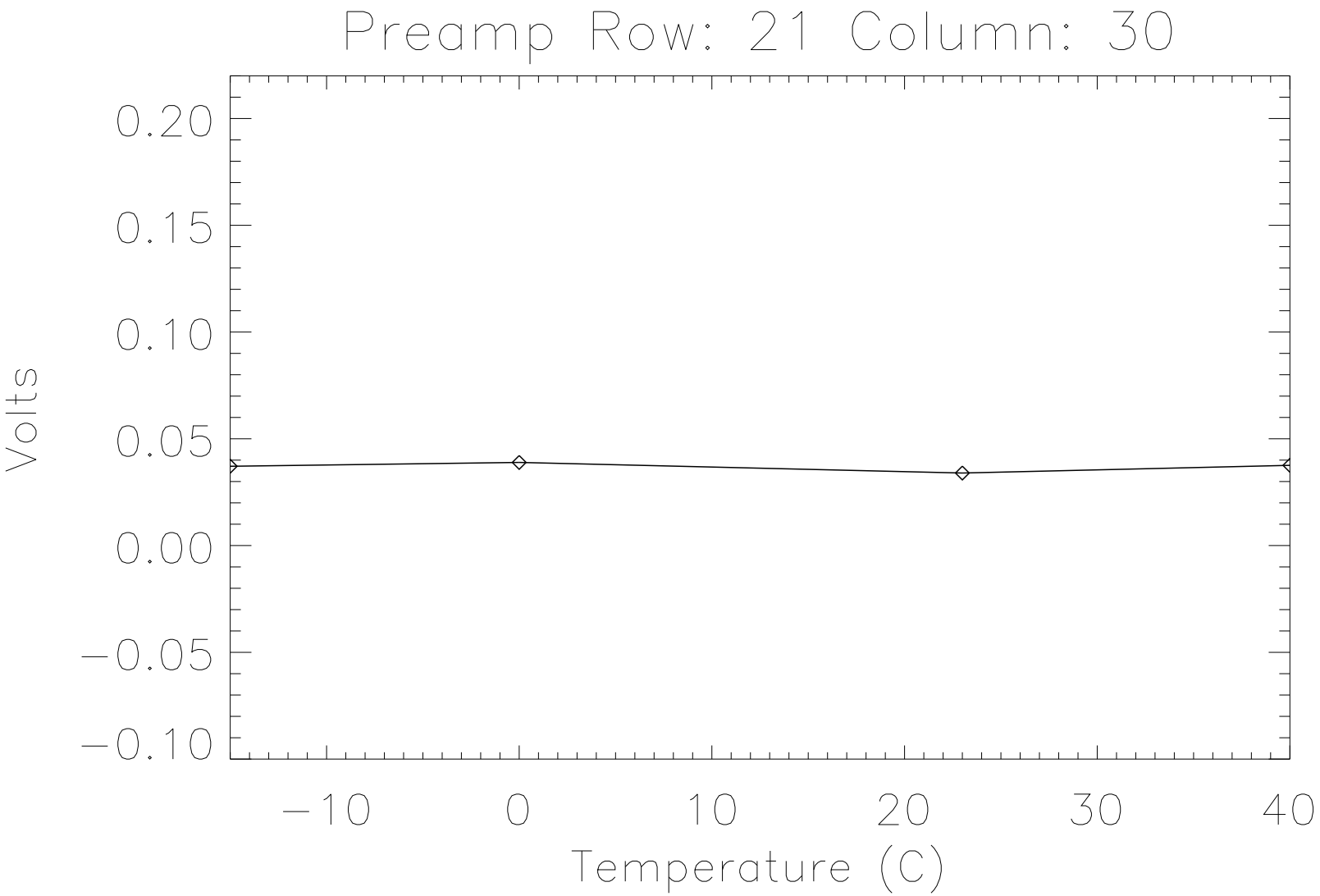

Shaper Row: 21 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

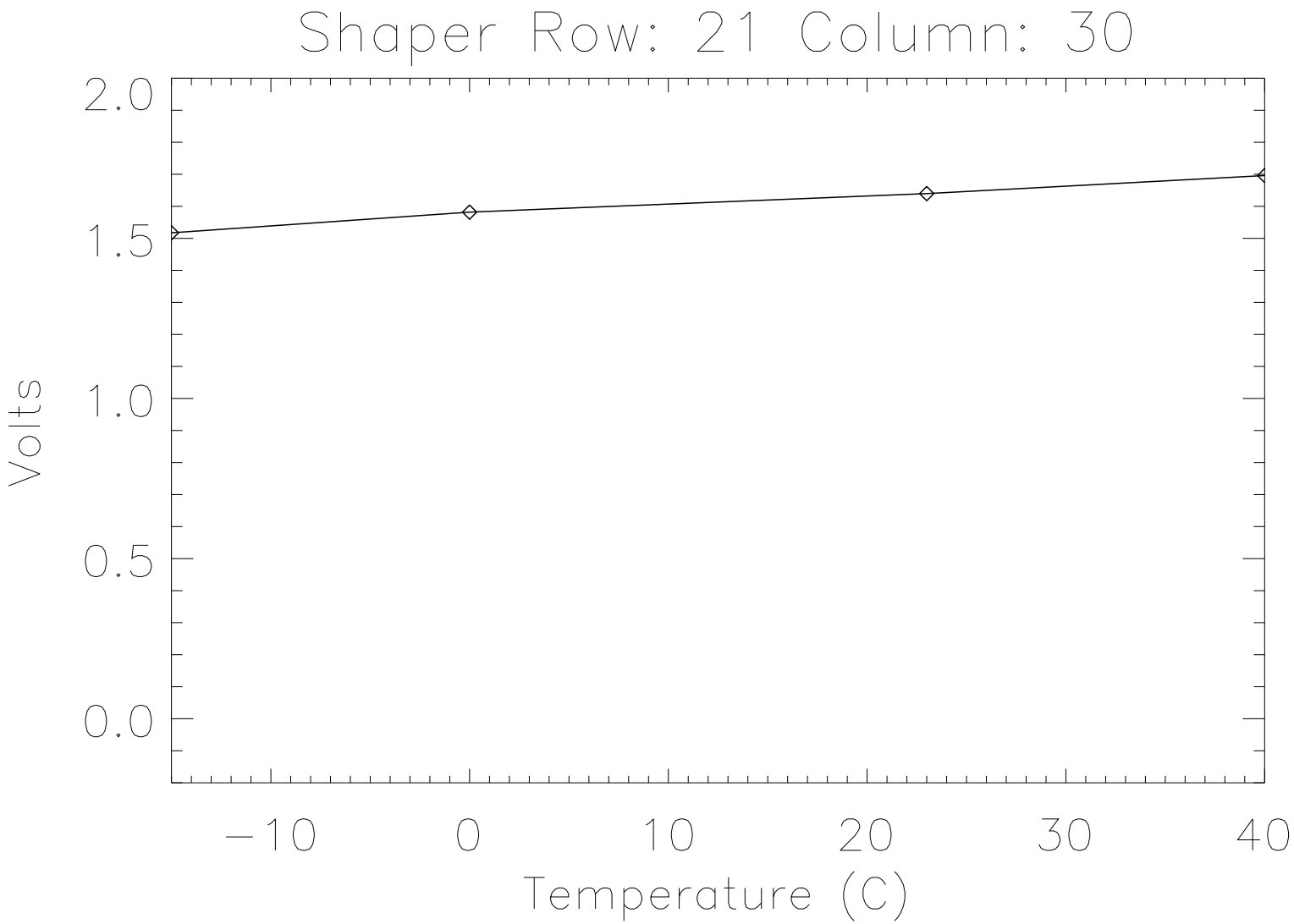

Leakage Row: 21 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

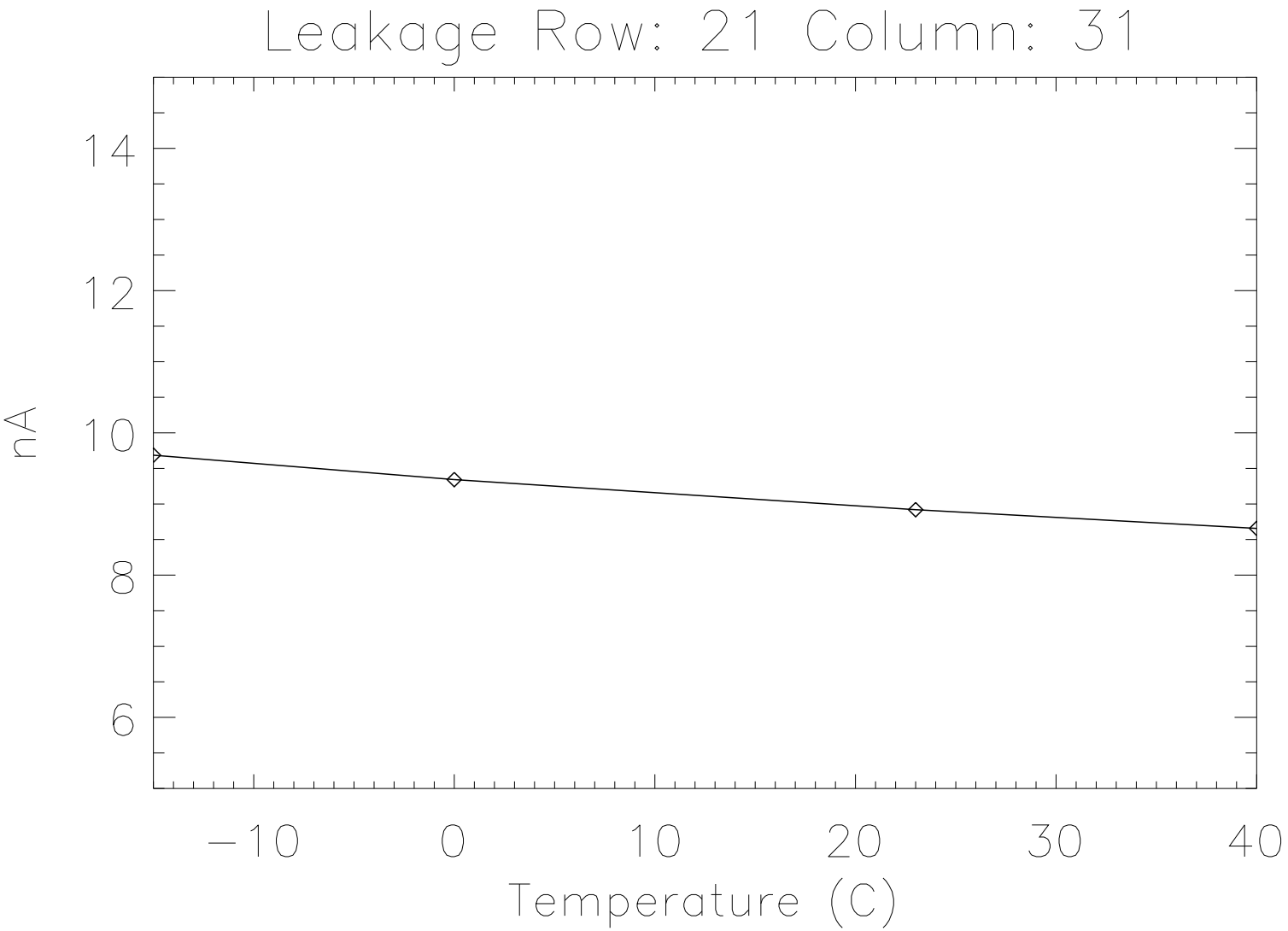

Preamp Row: 21 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

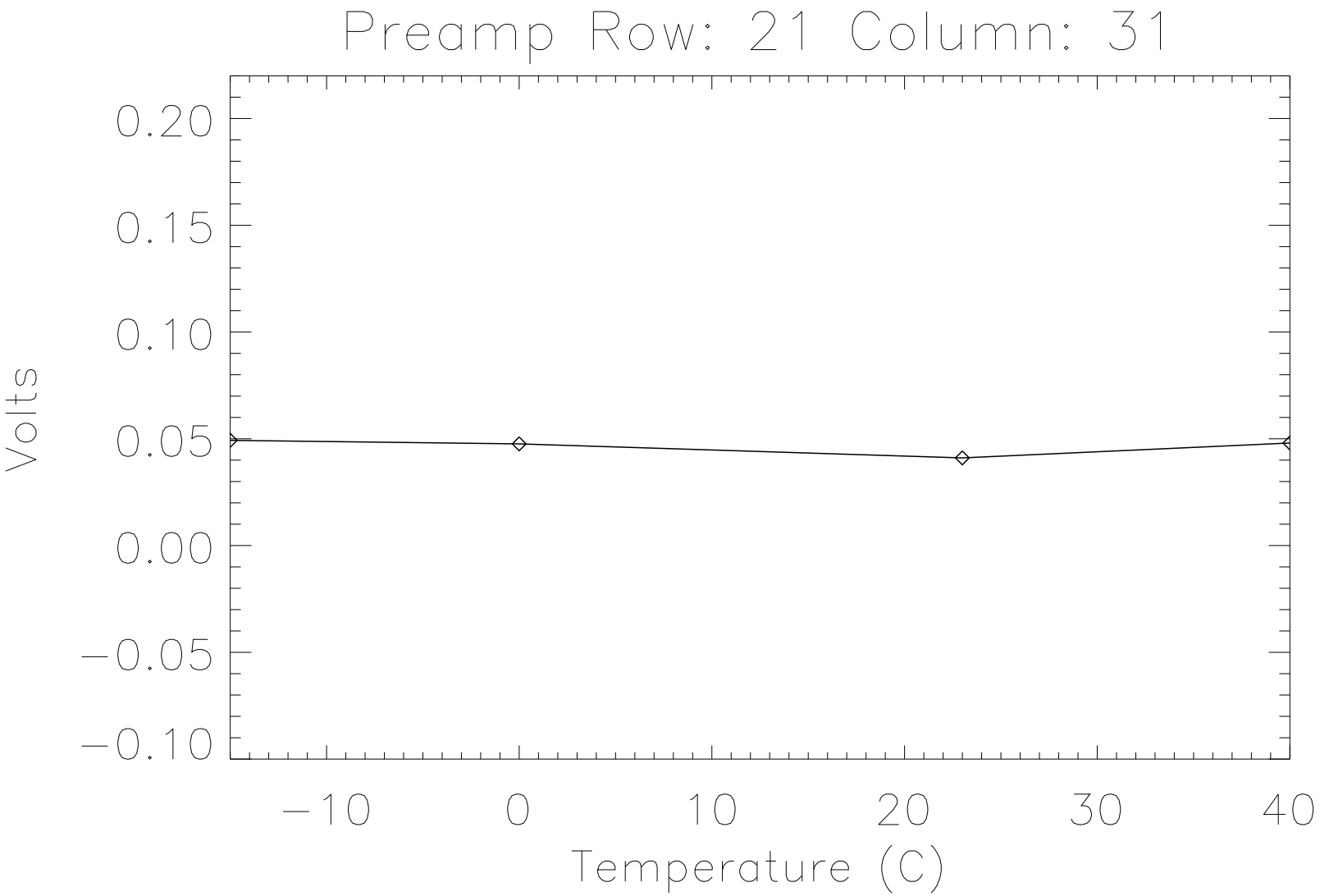

Shaper Row: 21 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

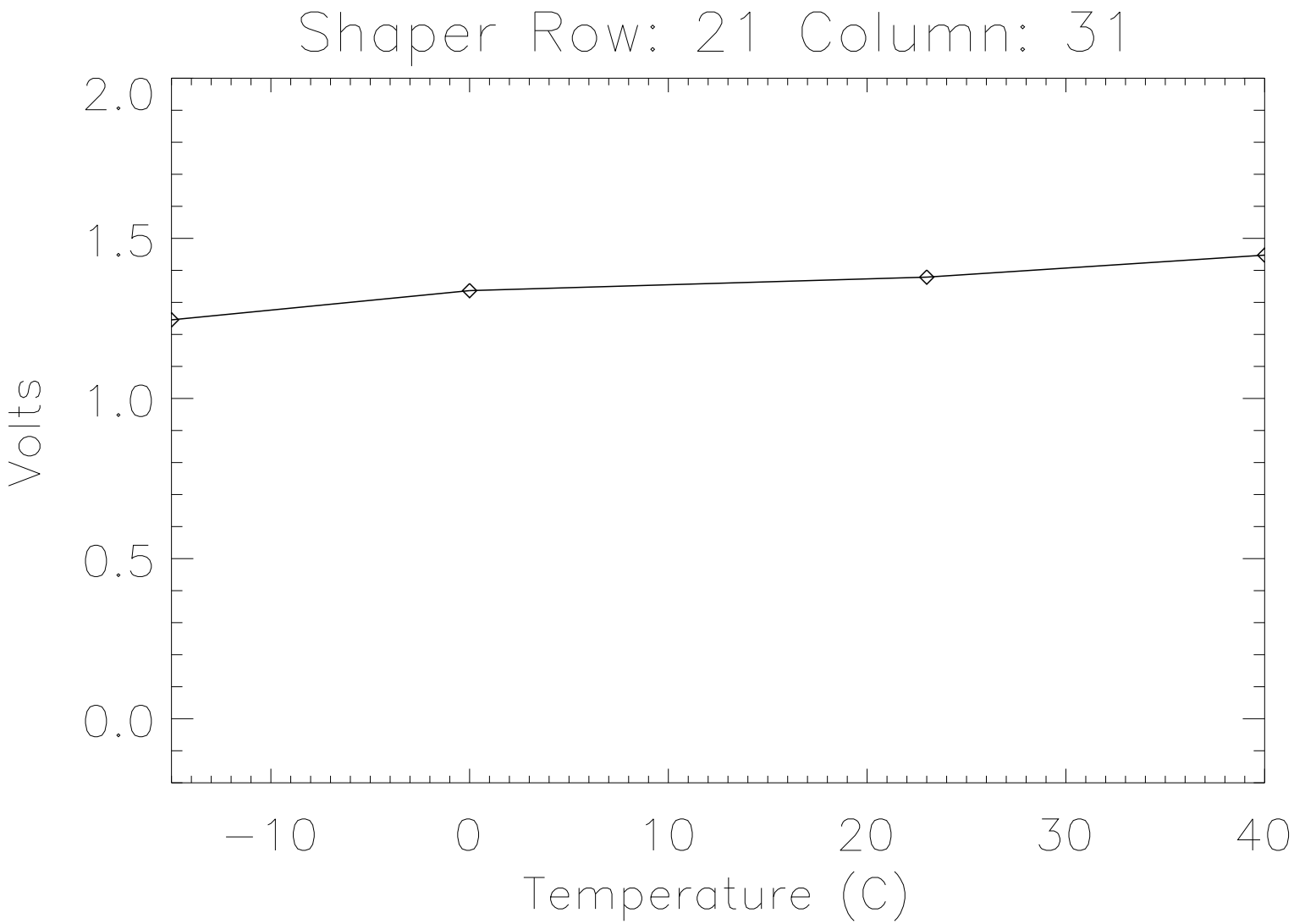

Leakage Row: 21 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

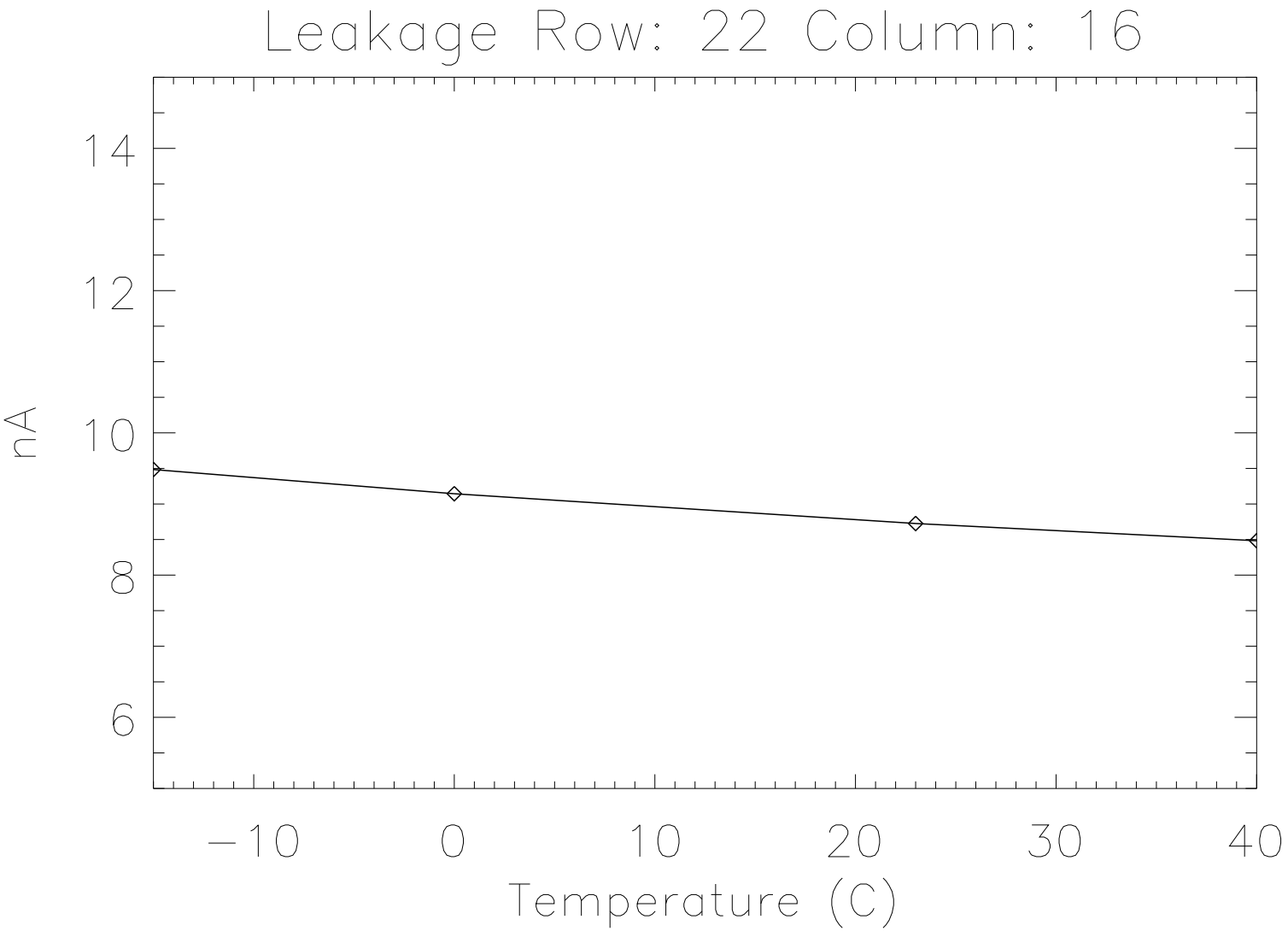

Preamp Row: 21 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

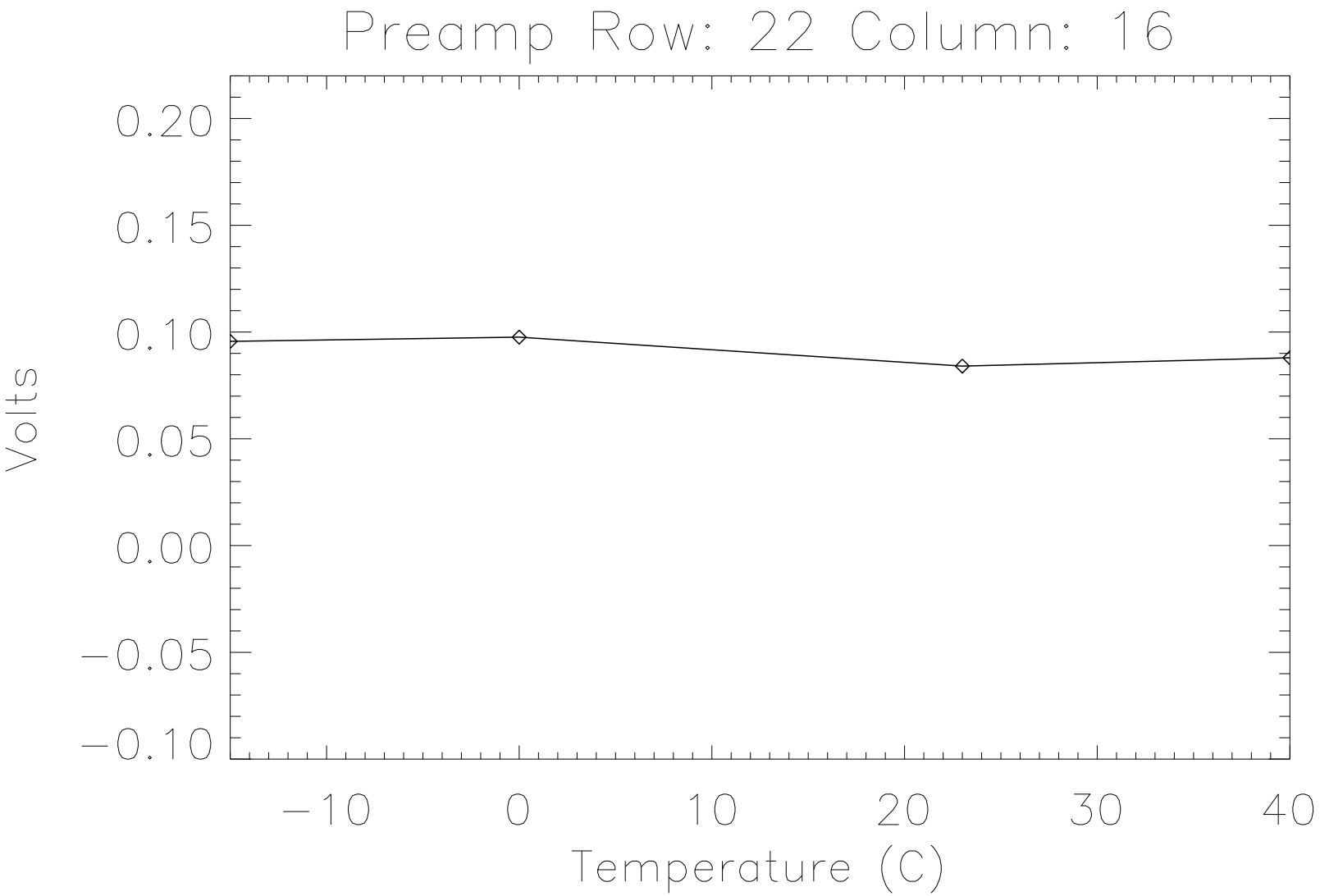

Shaper Row: 21 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

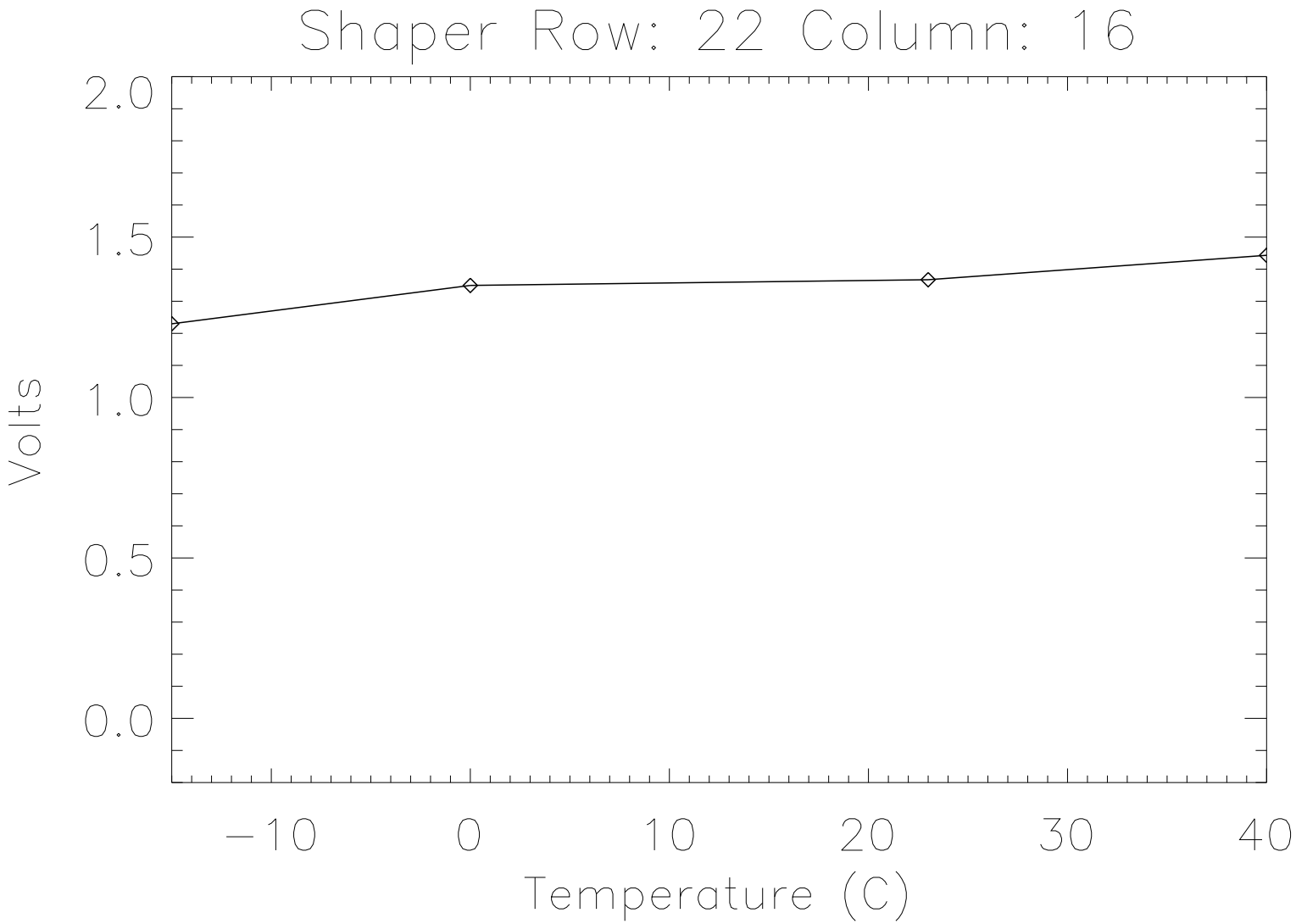

Leakage Row: 21 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

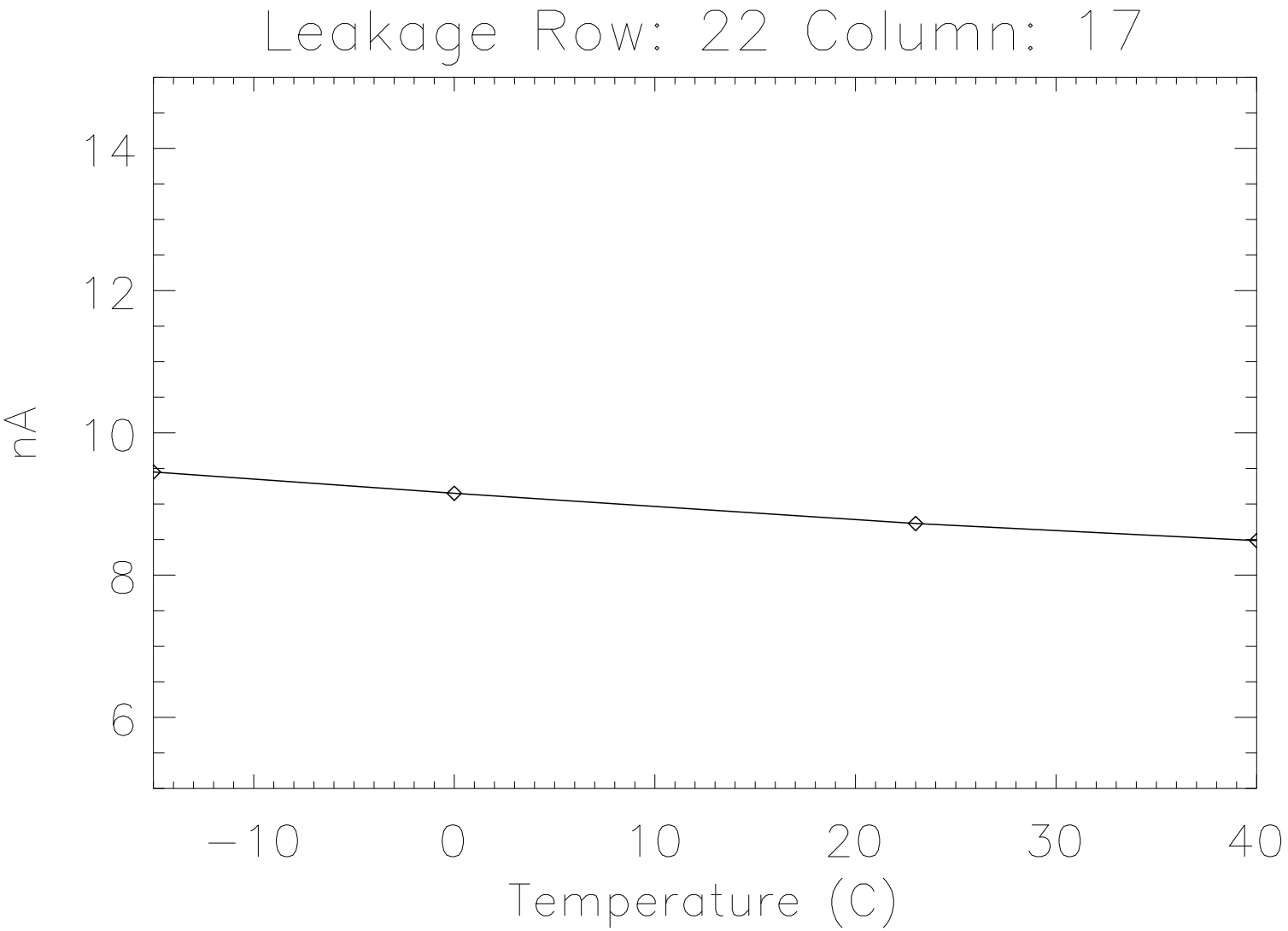

Preamp Row: 21 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

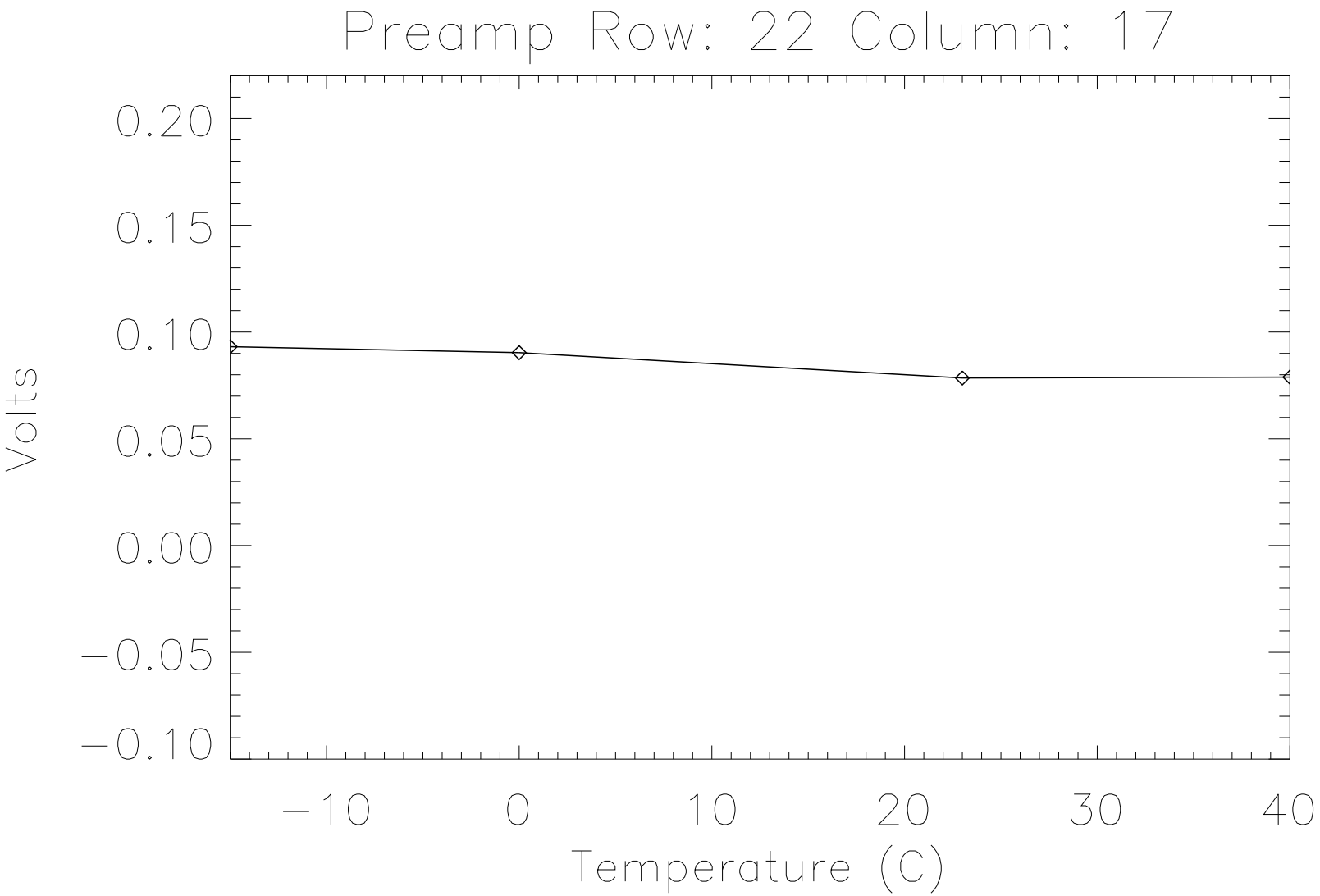

Shaper Row: 21 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 16
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 22 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 17
0.20
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0.10
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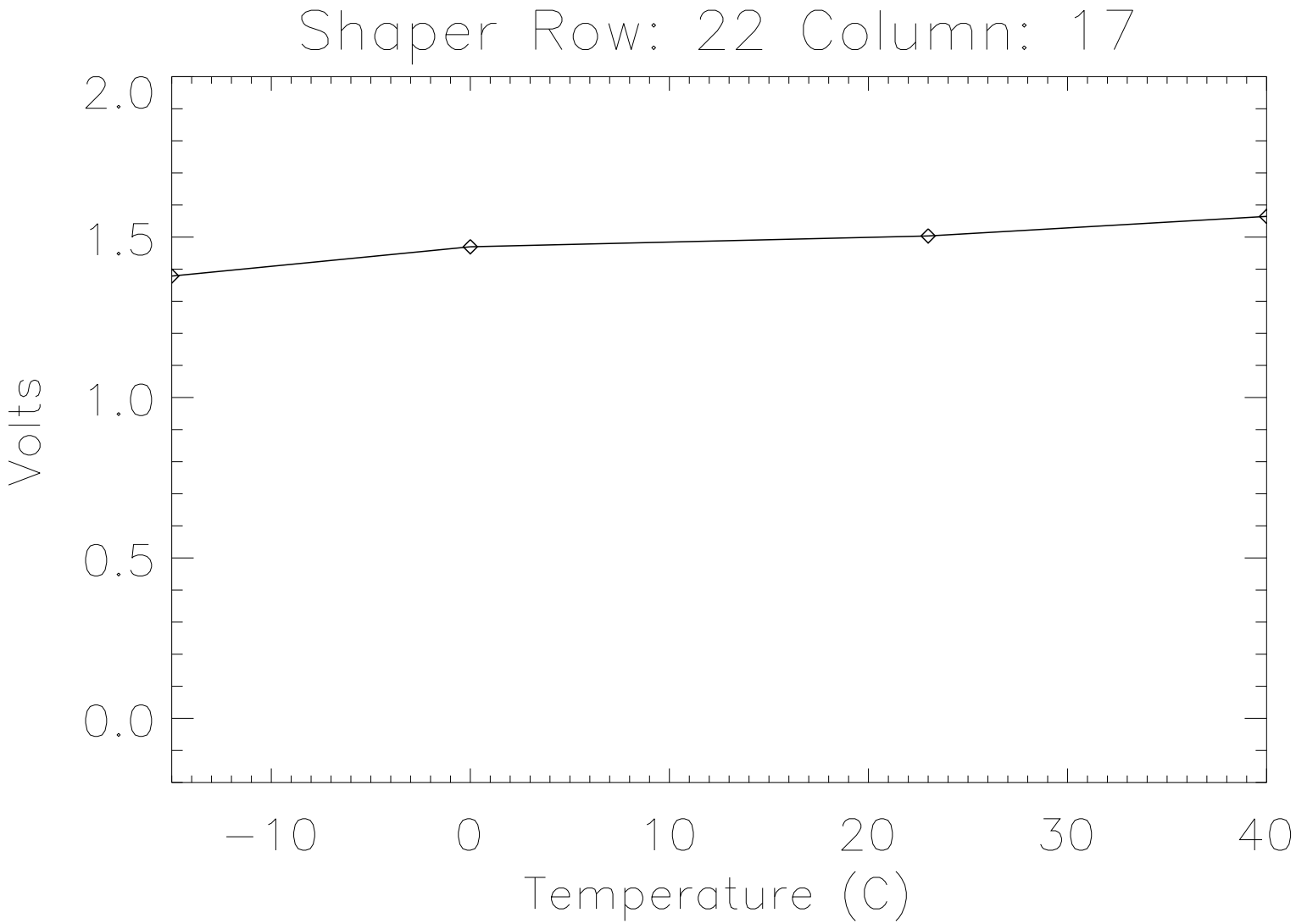
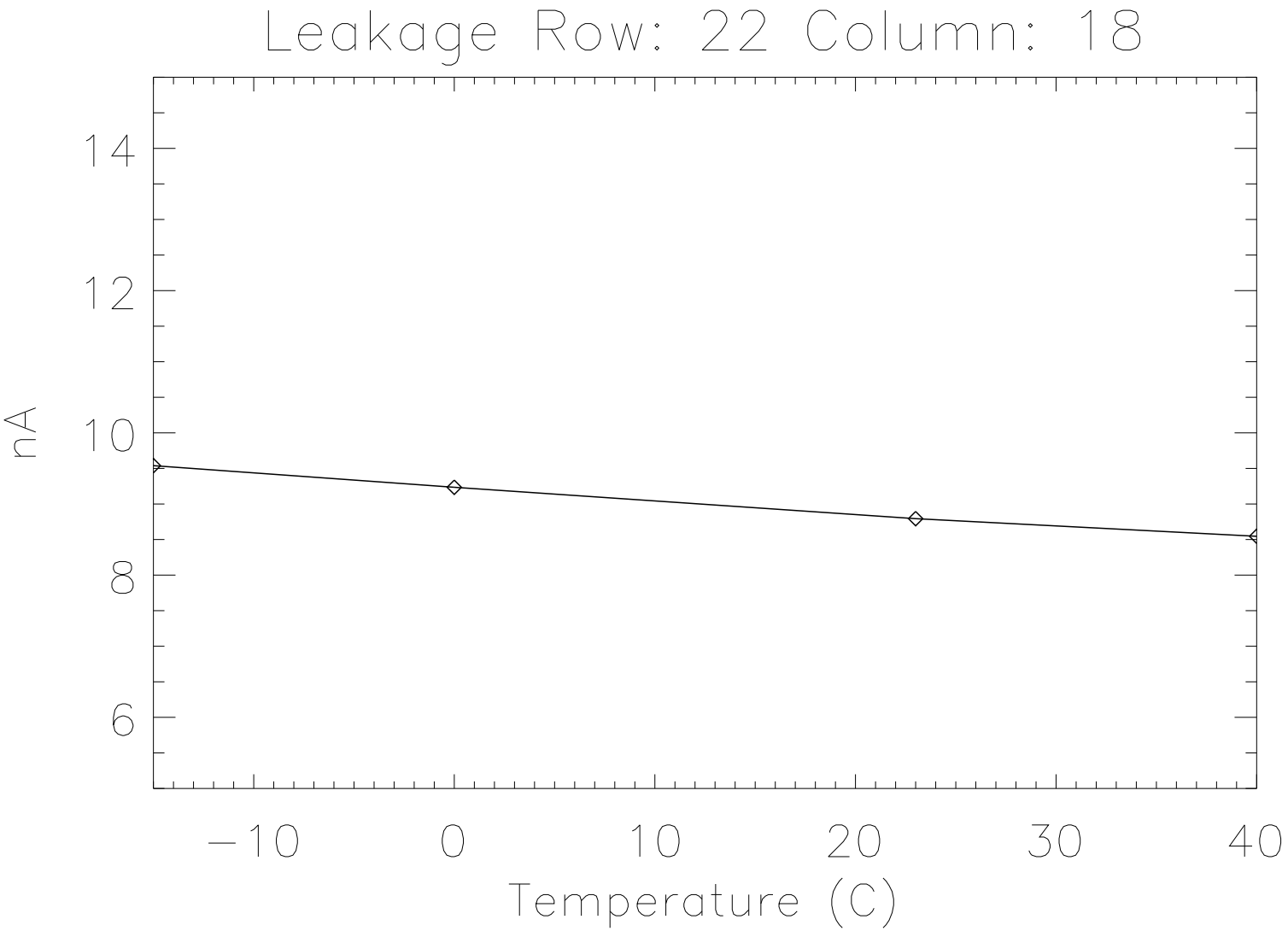
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 22 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 18
nA
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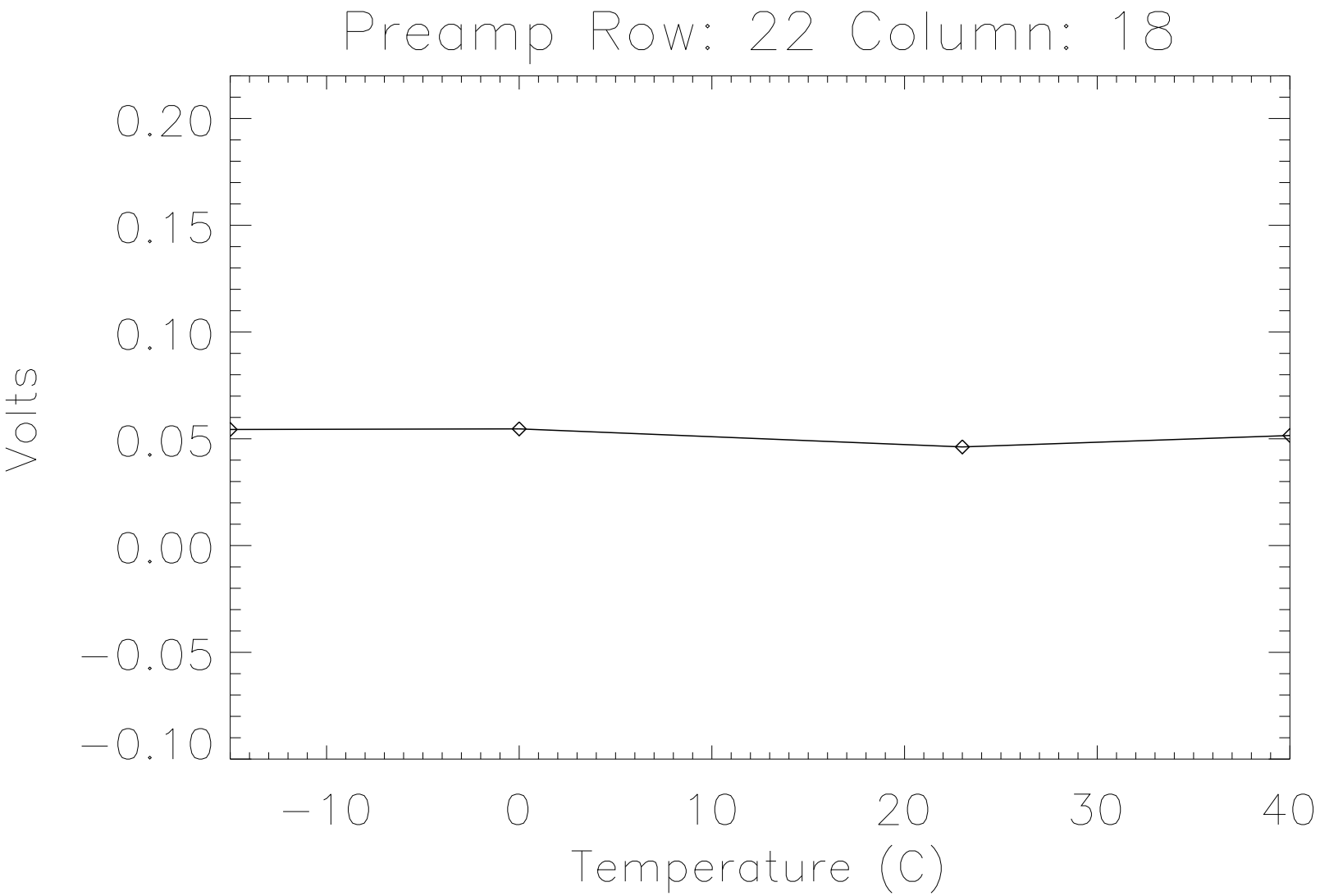
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 18
0.20
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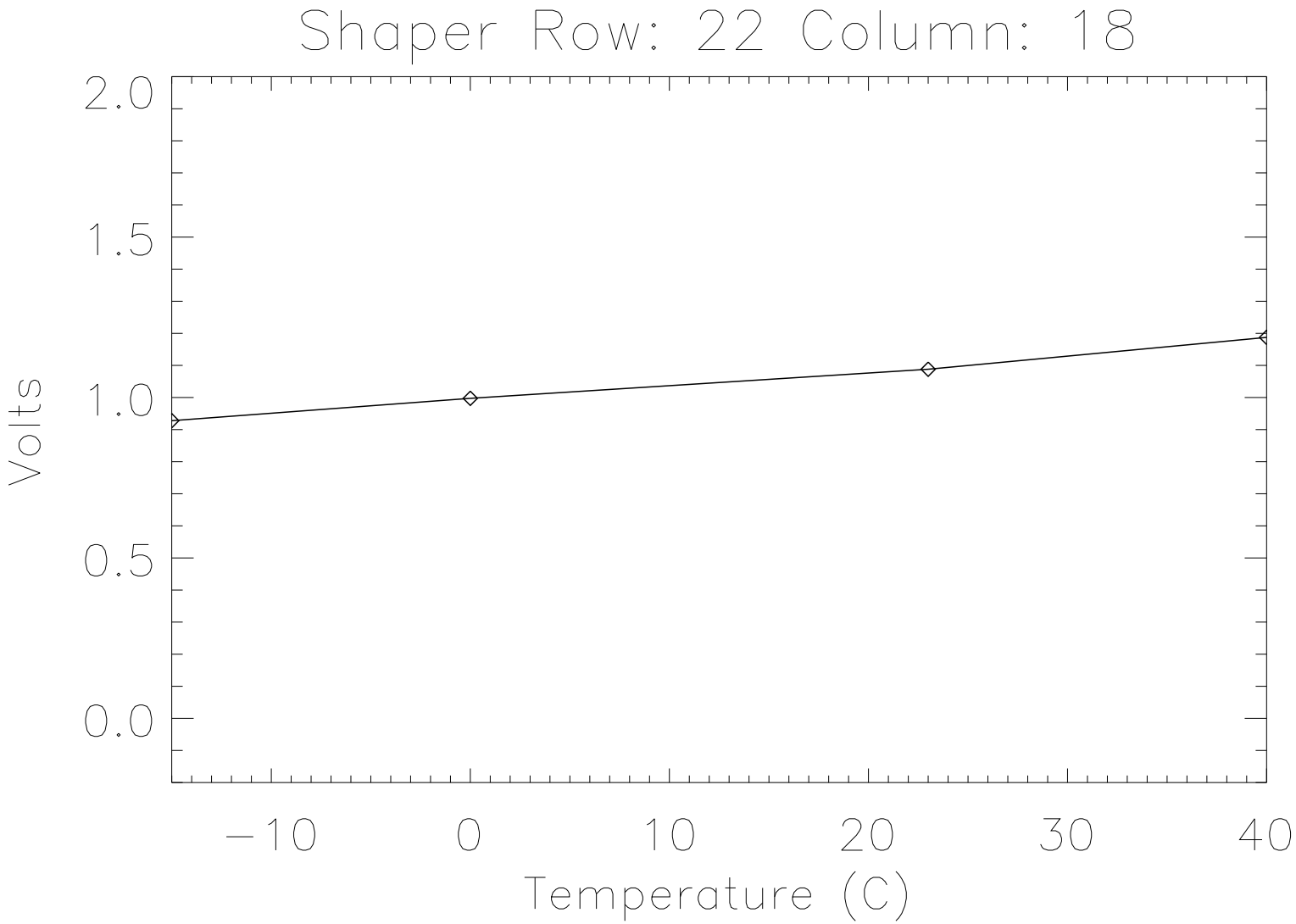
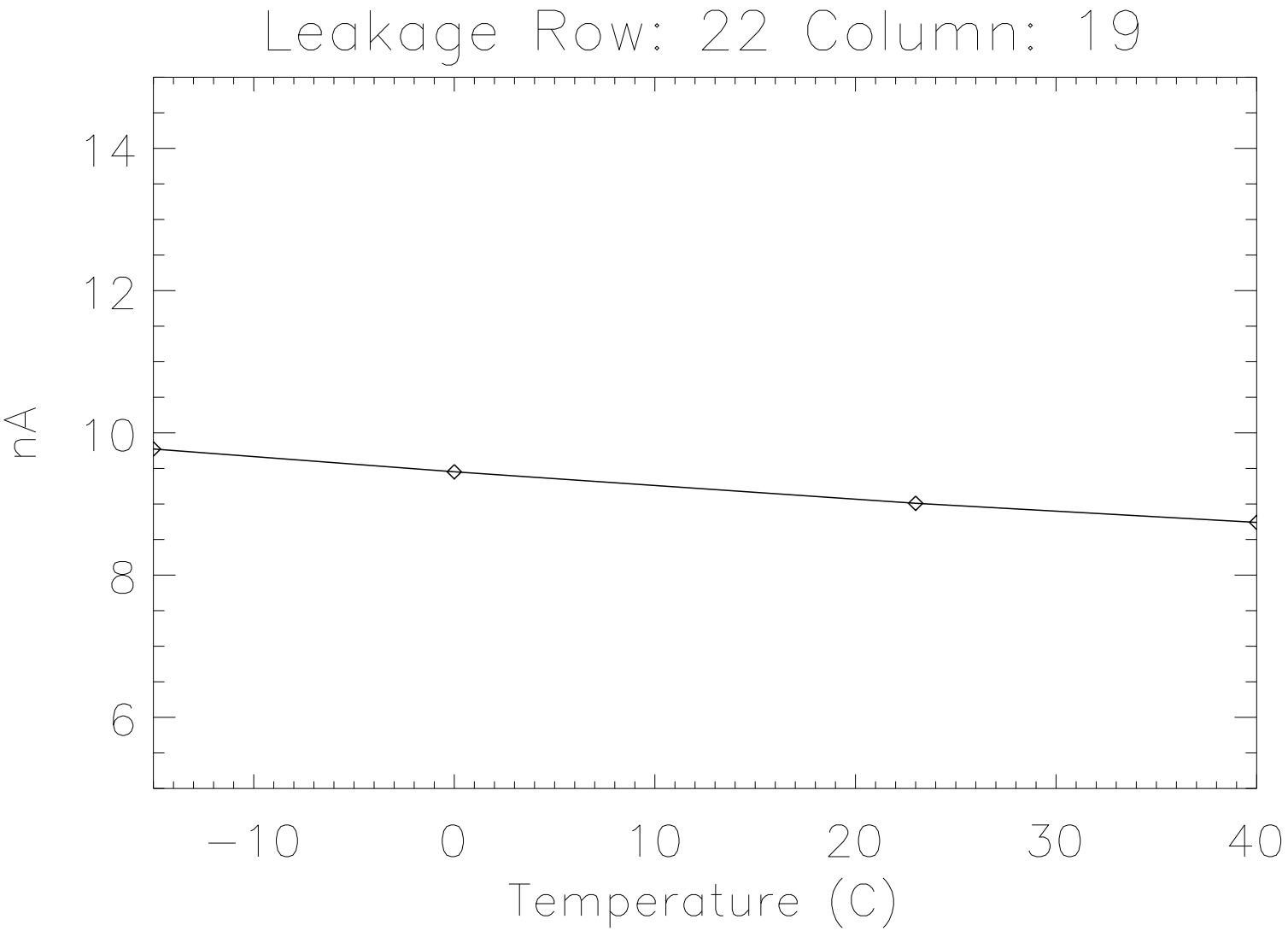
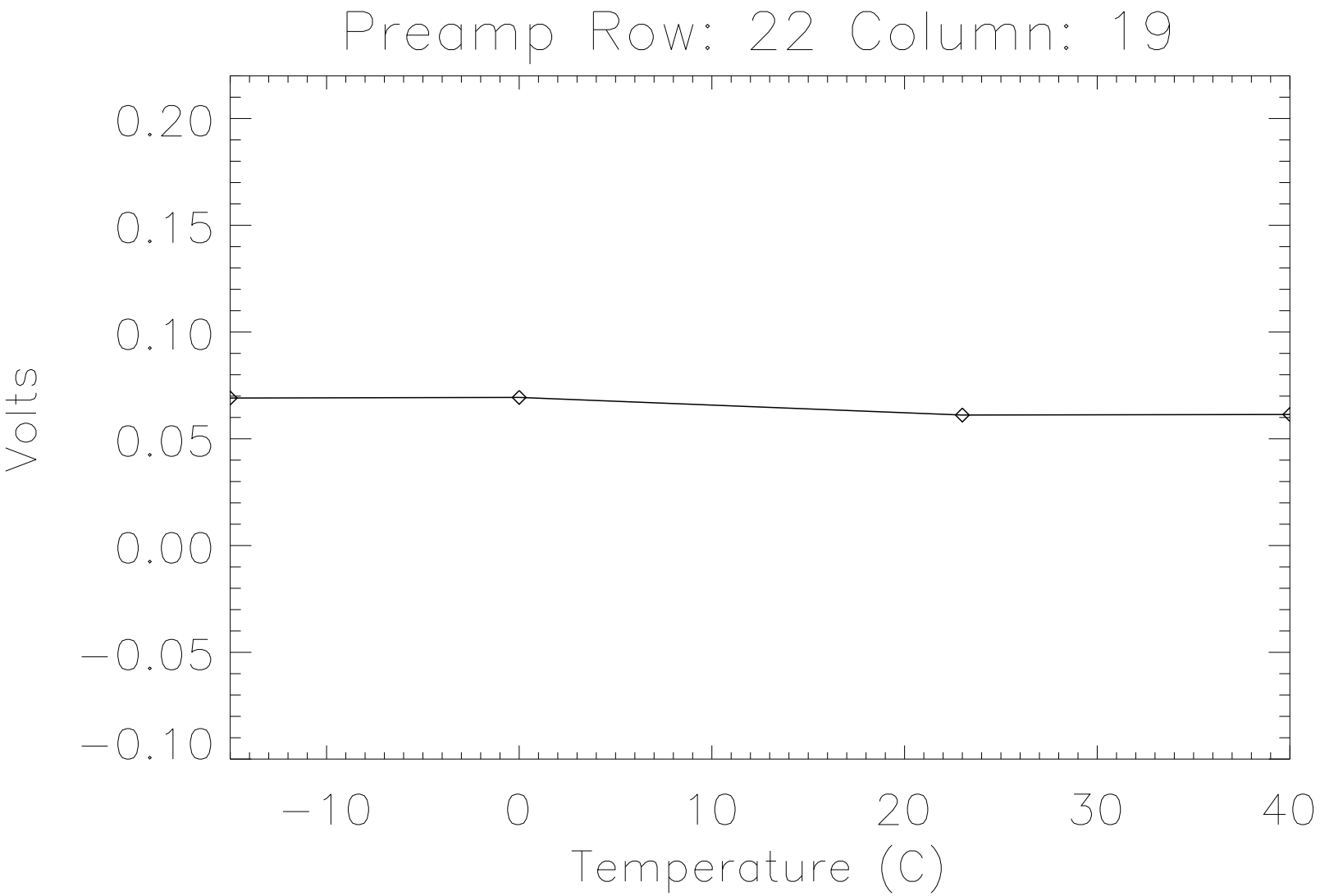
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 22 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 19
0.20
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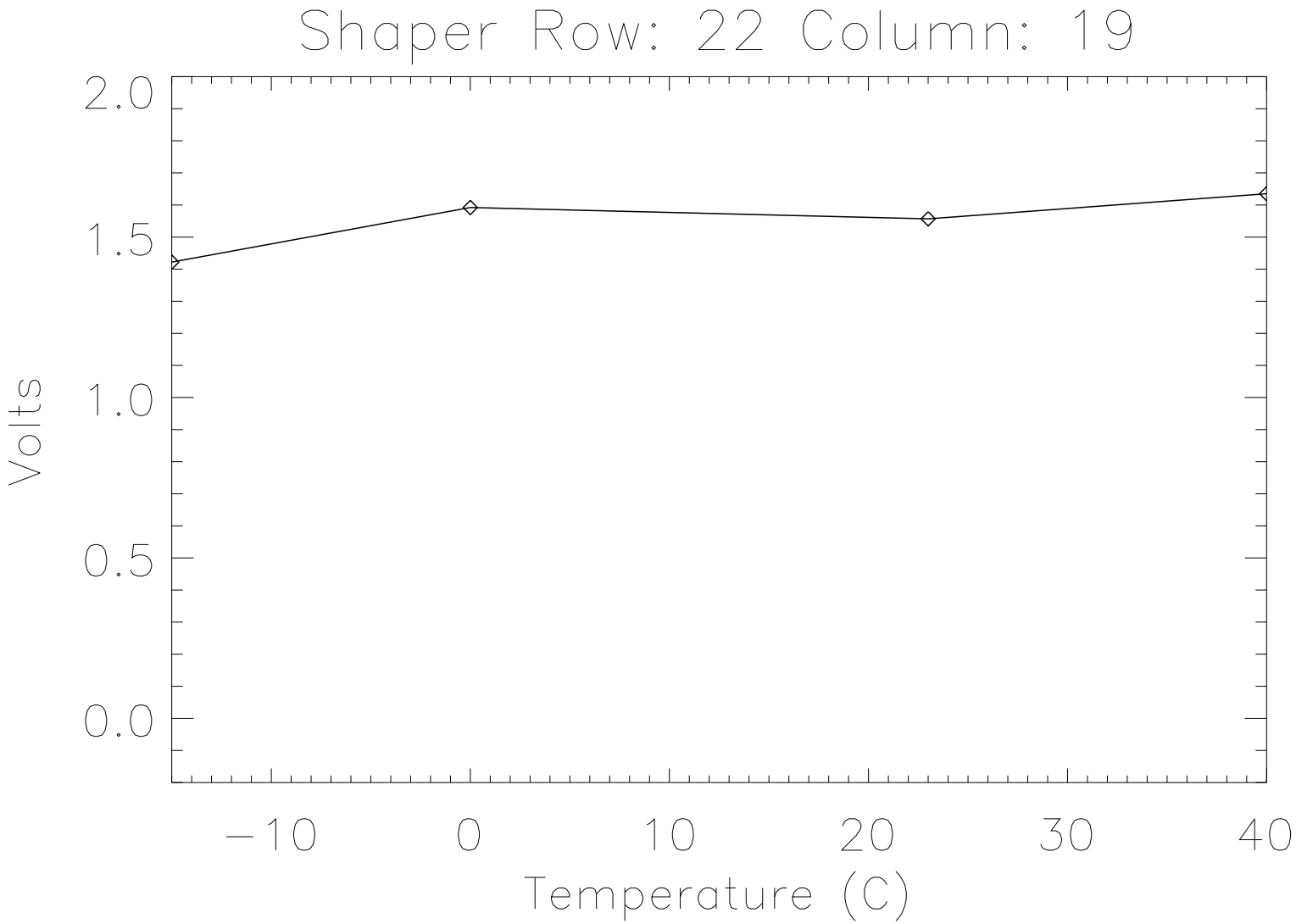
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 22 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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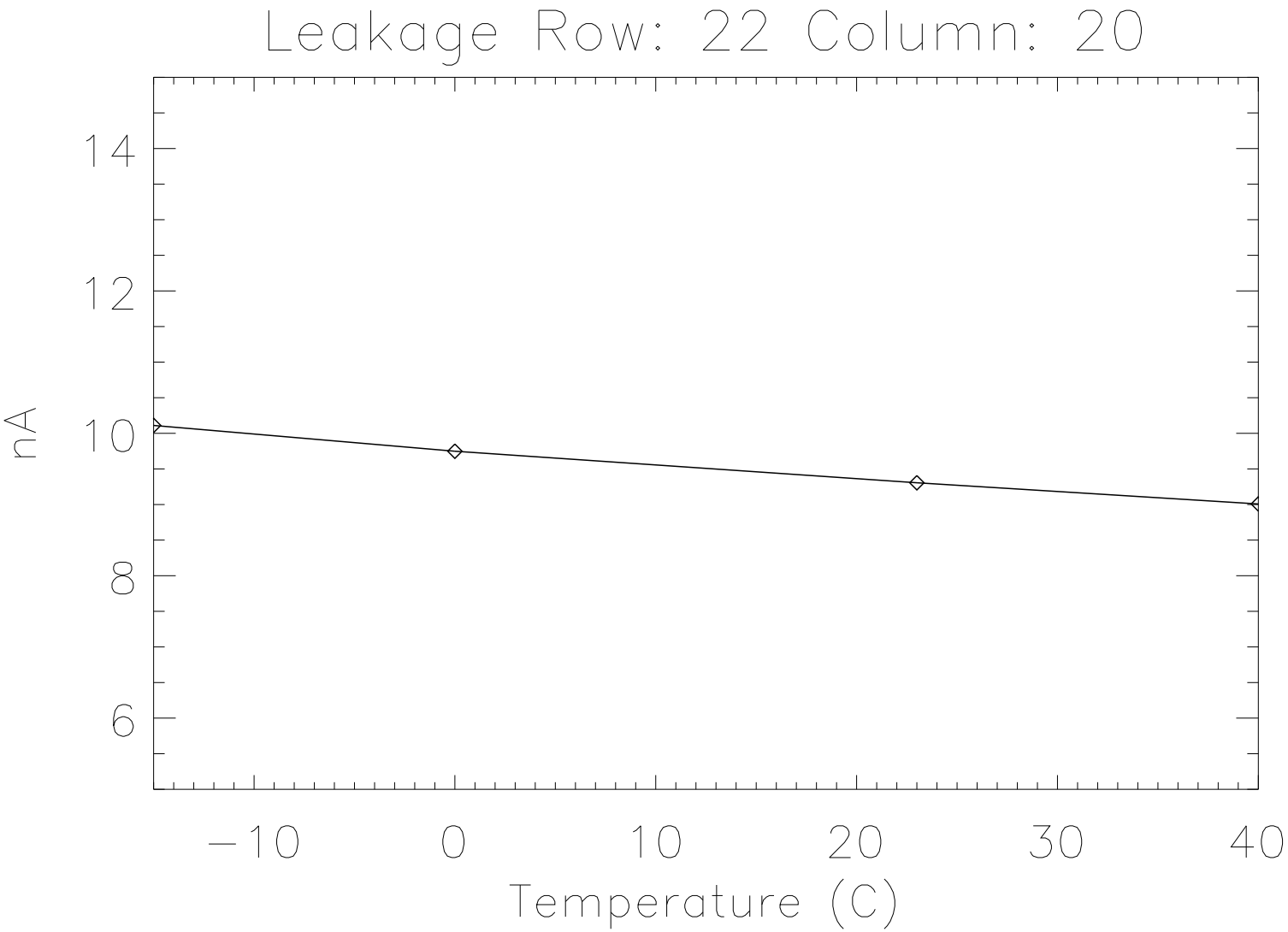
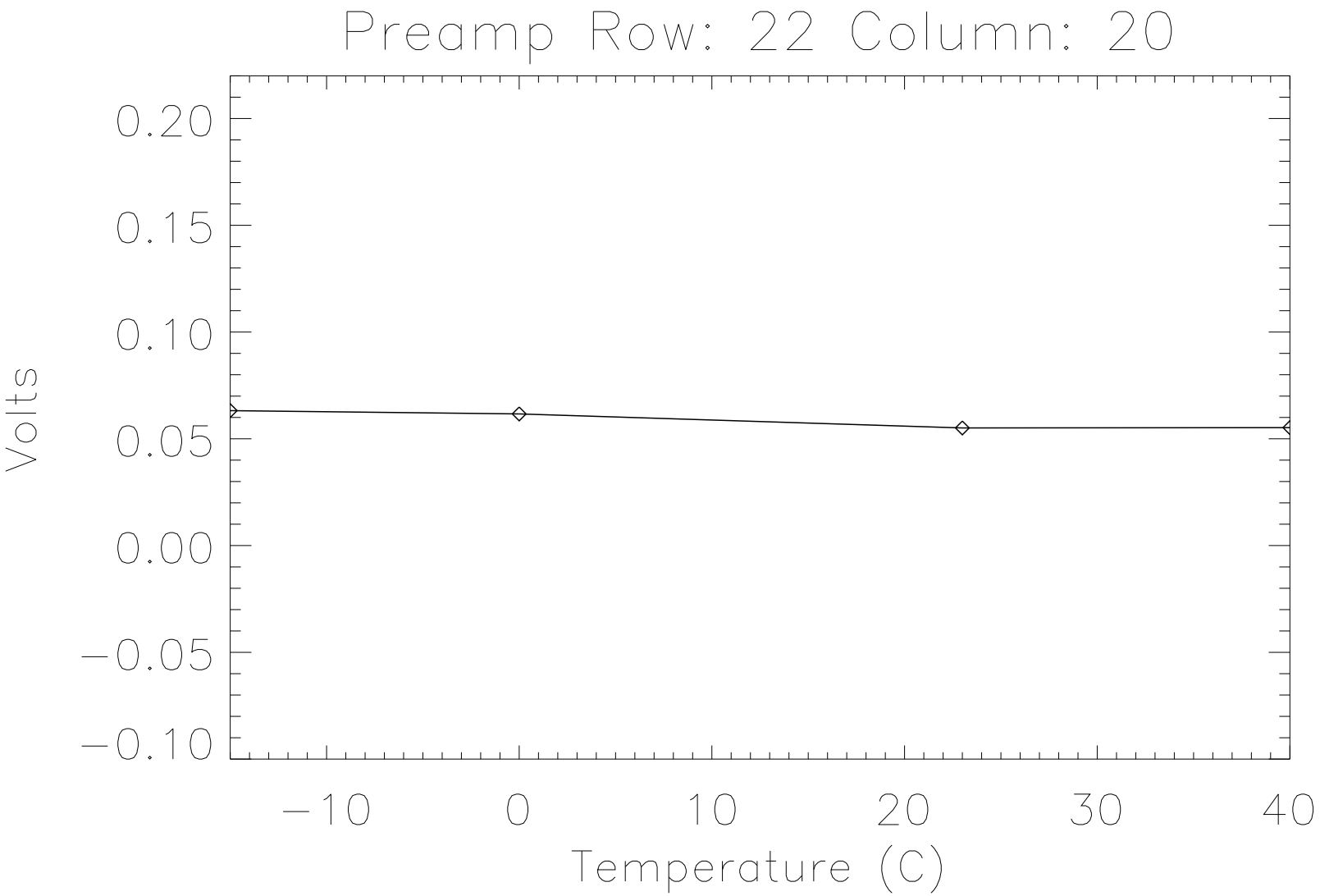
20
30
40
Temperature (C)


Leakage Row: 22 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 20
0.20
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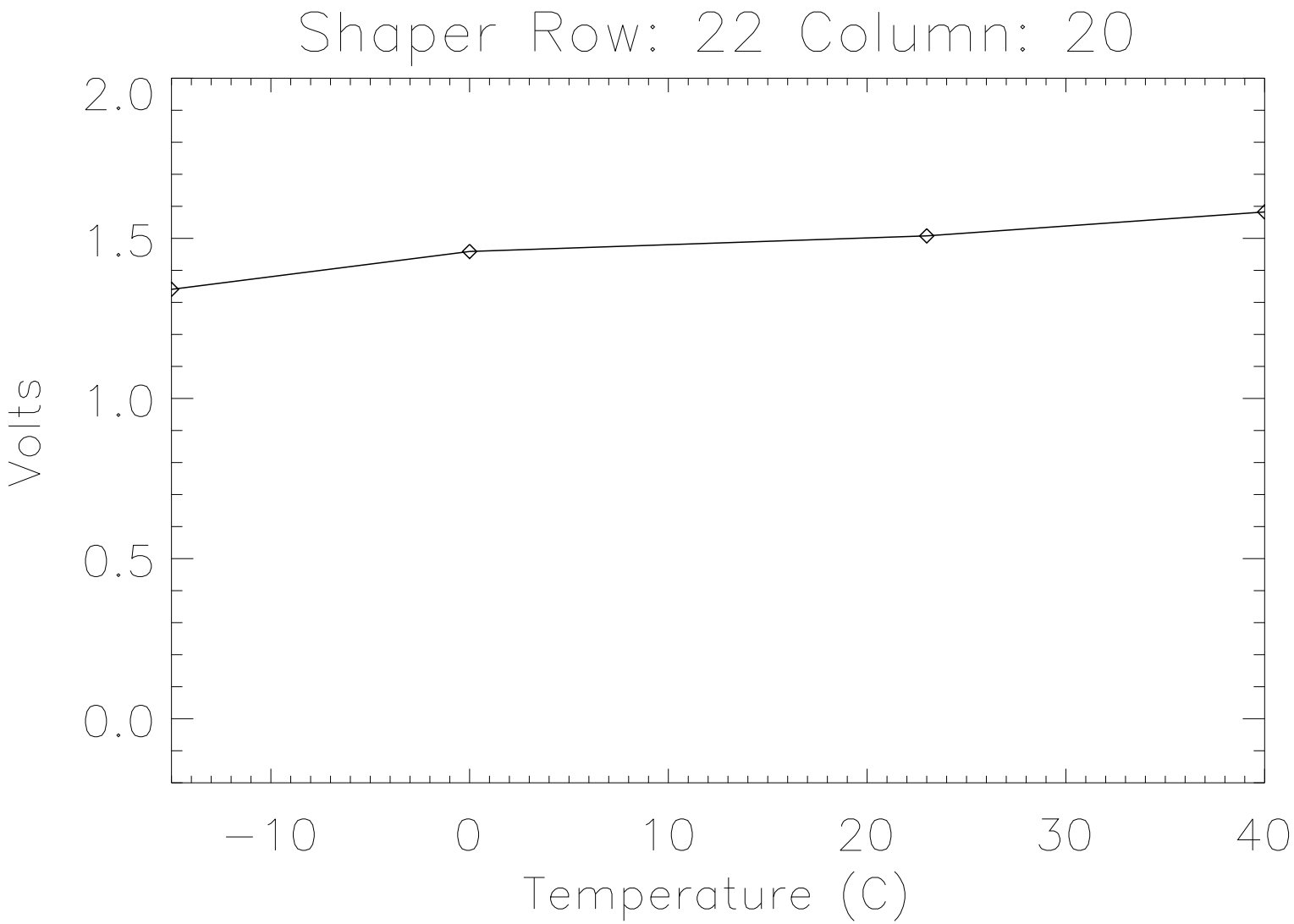
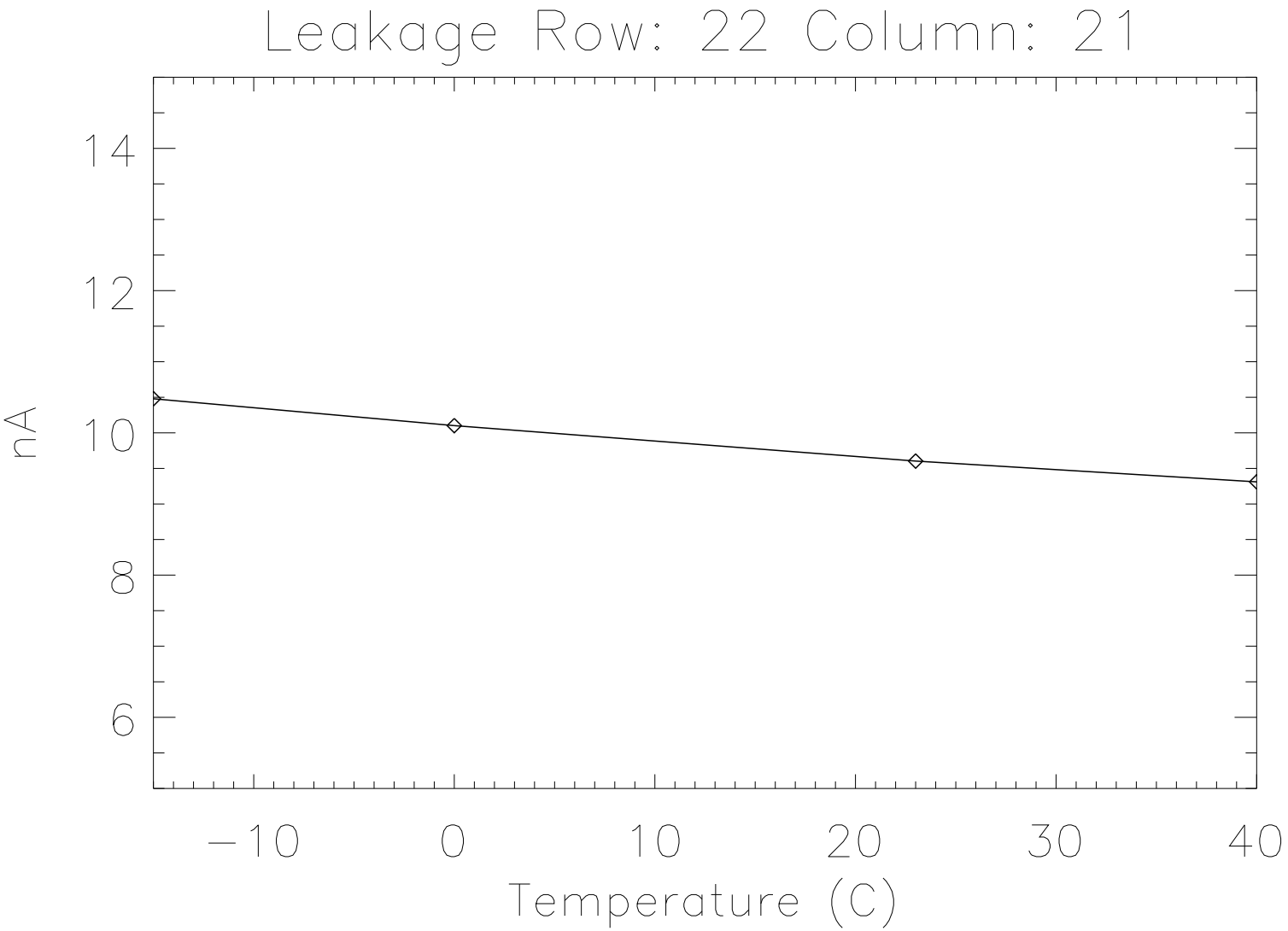
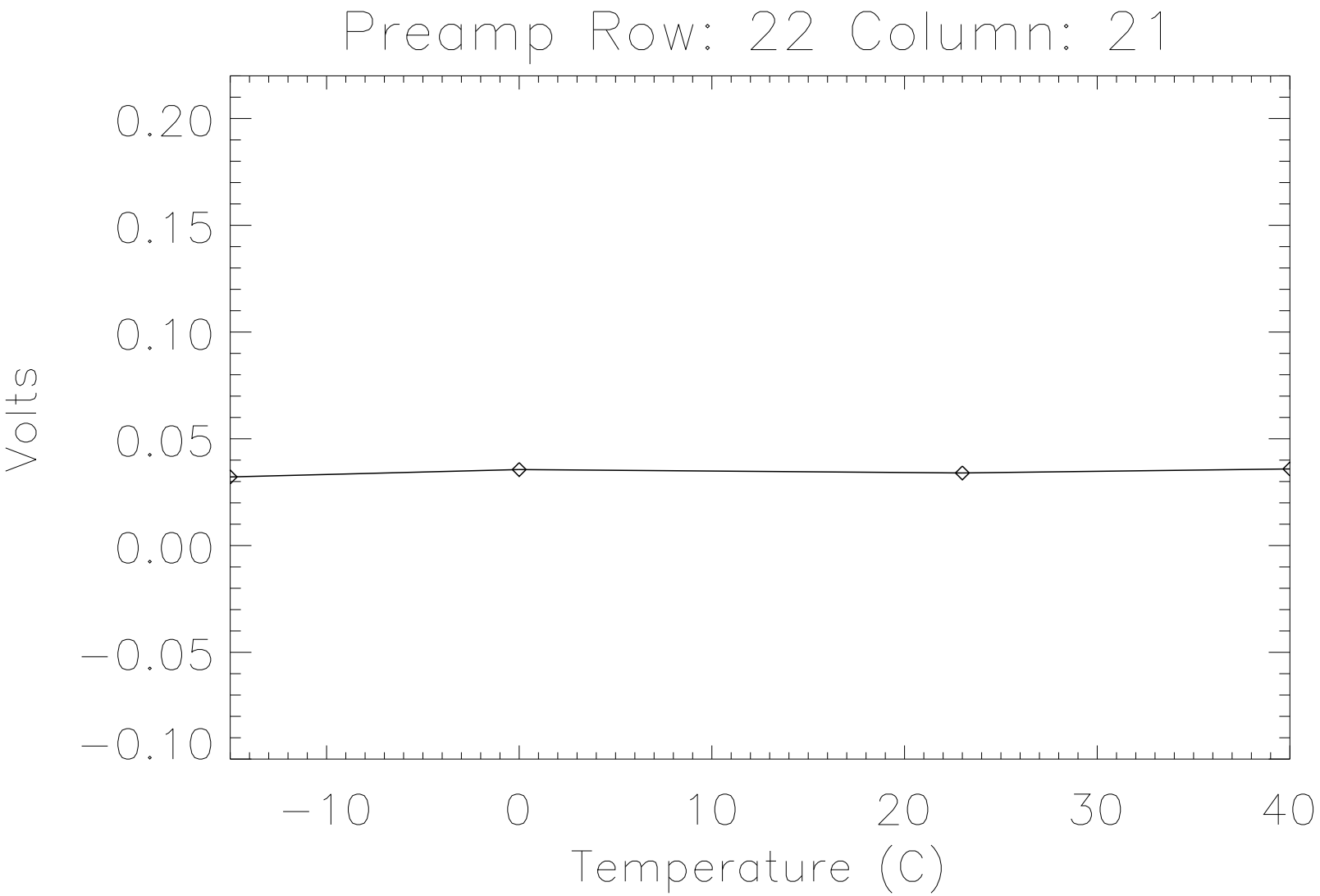
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 22 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 21
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 21
0.20
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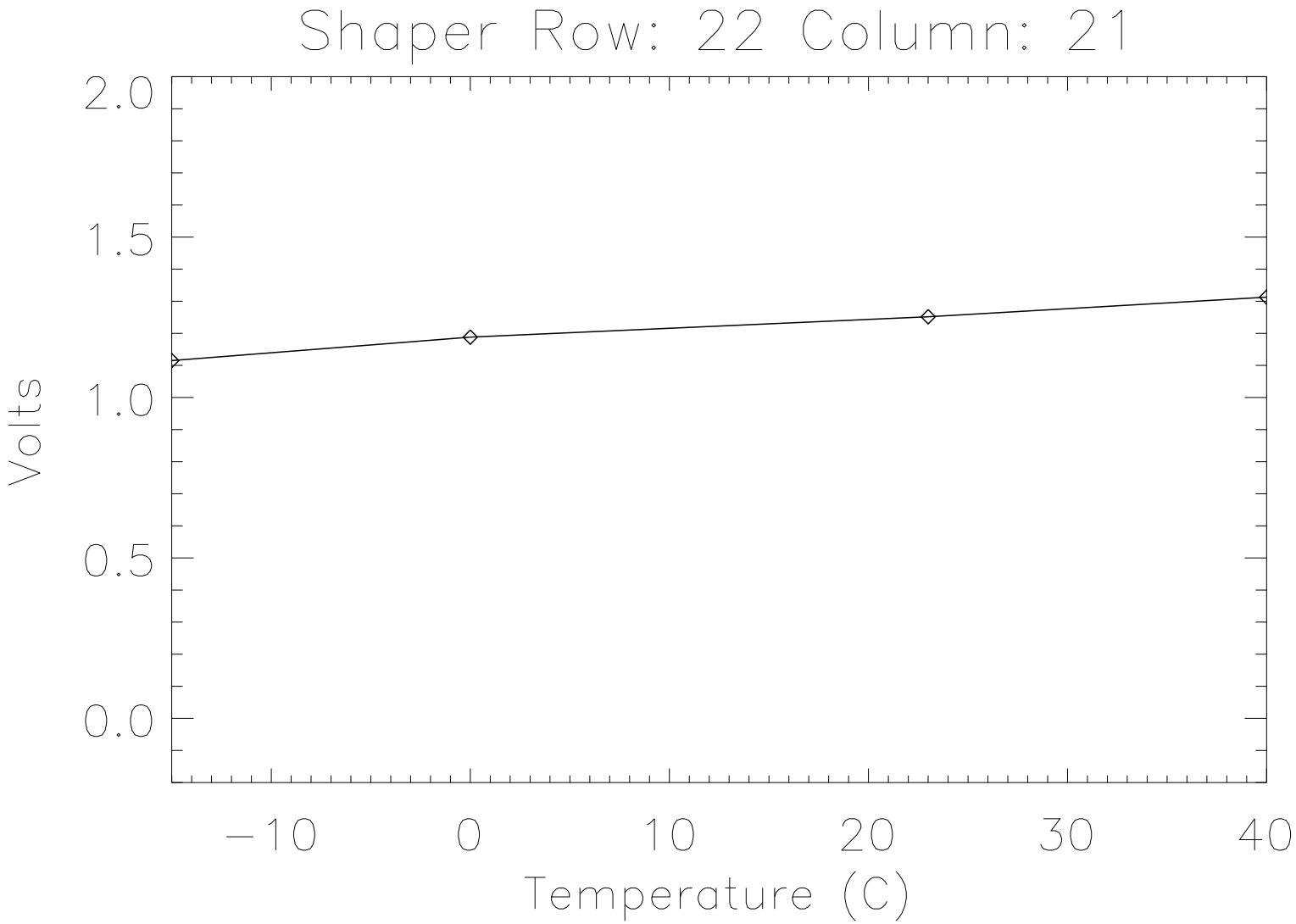
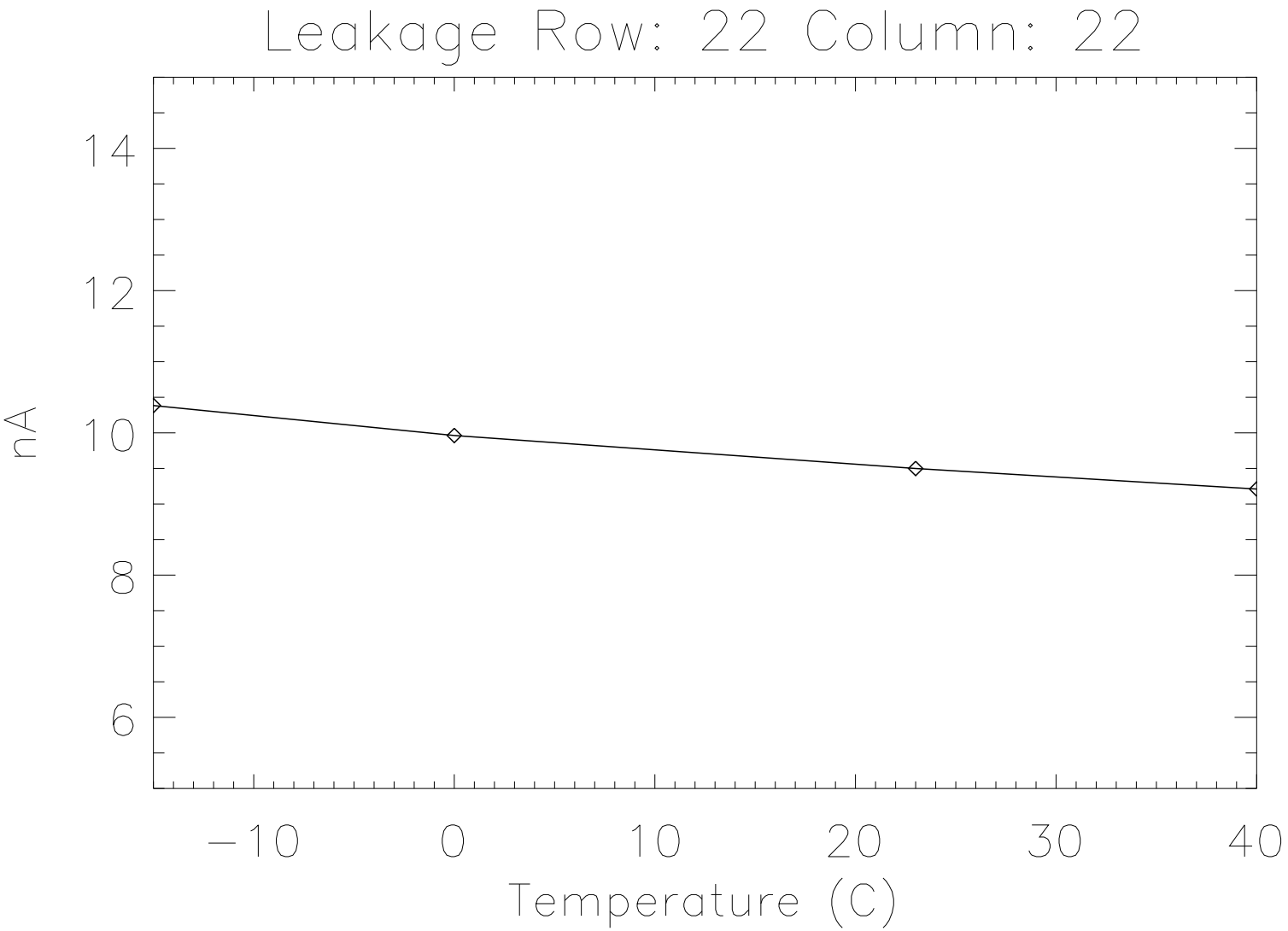
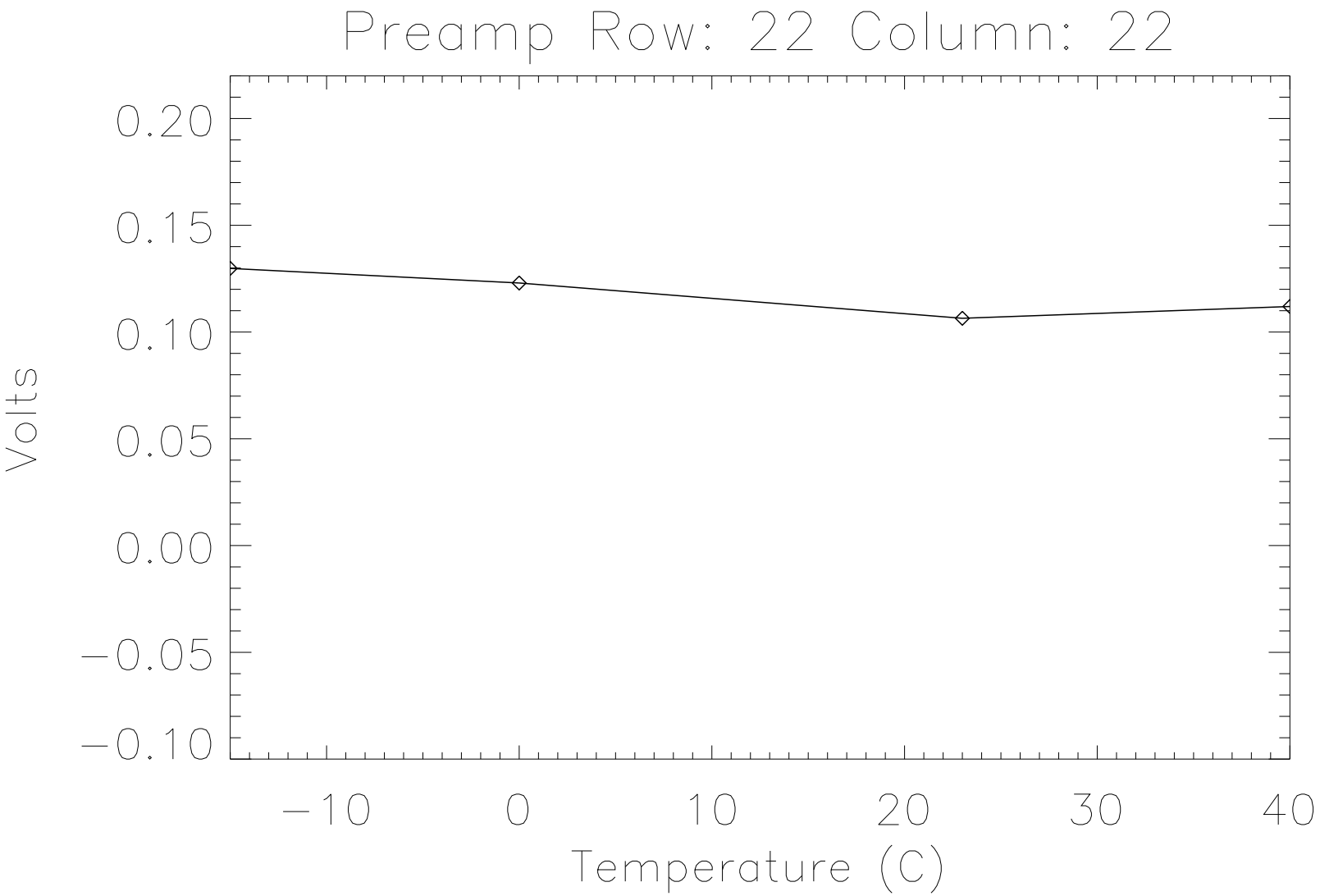
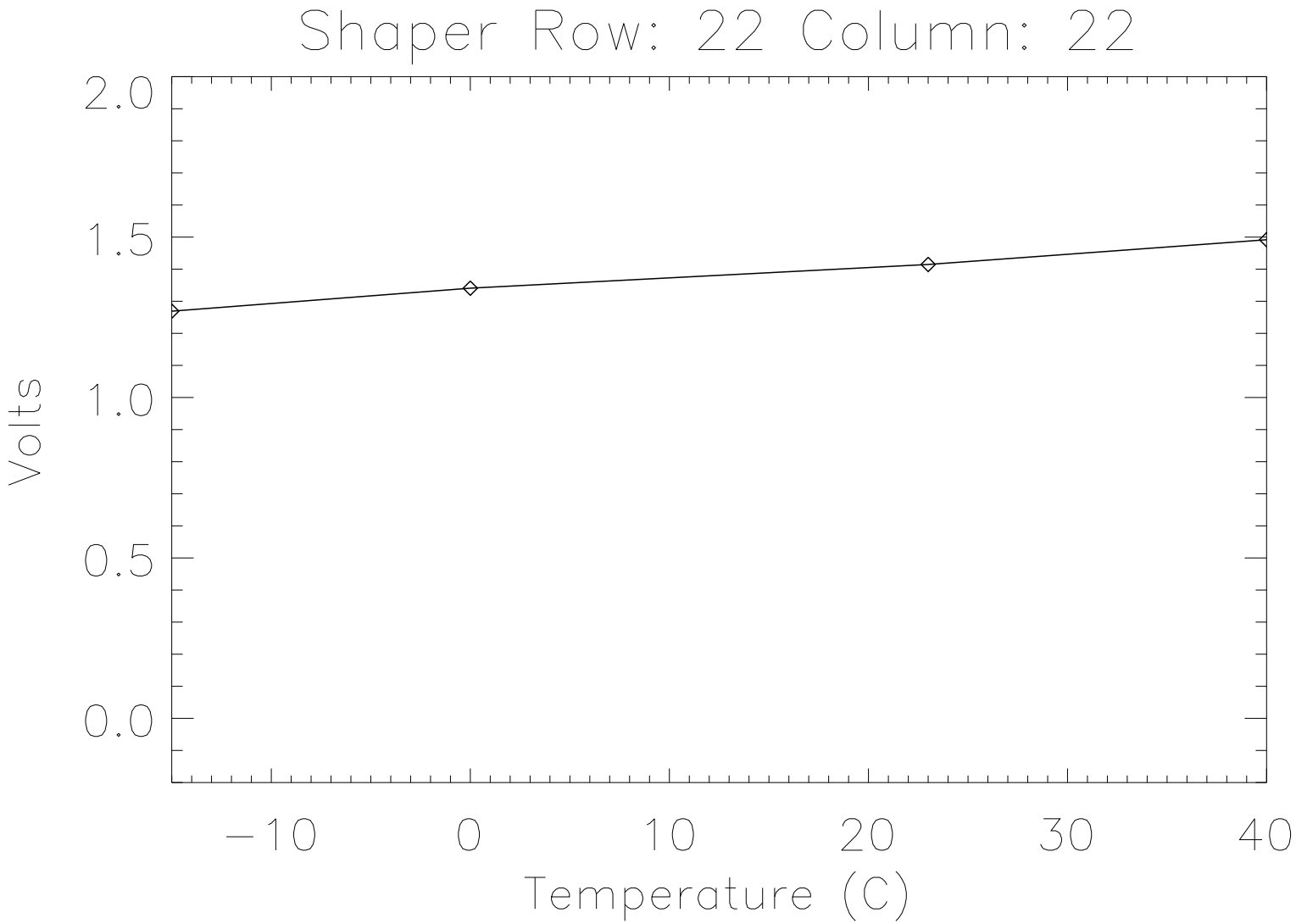
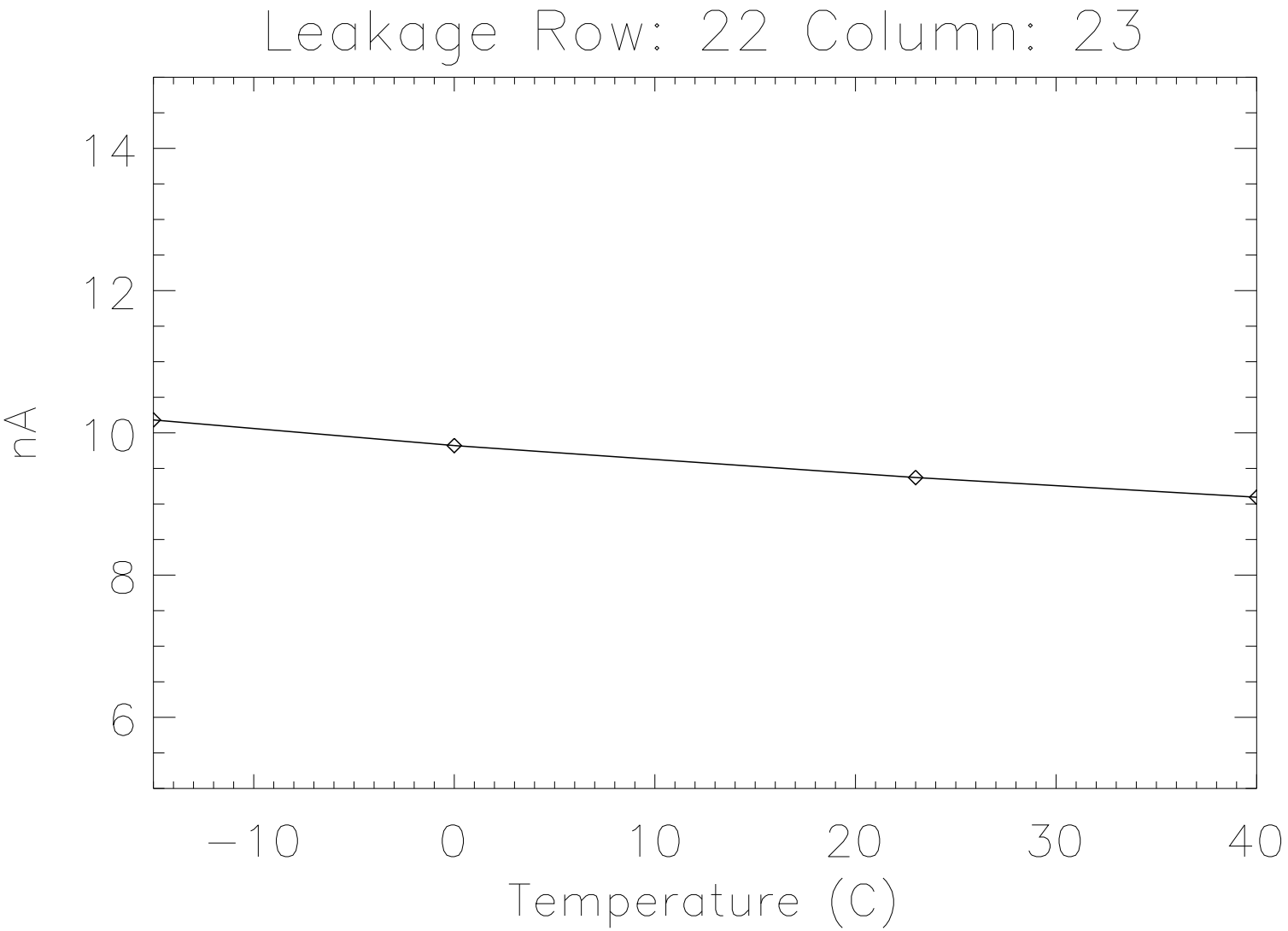
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

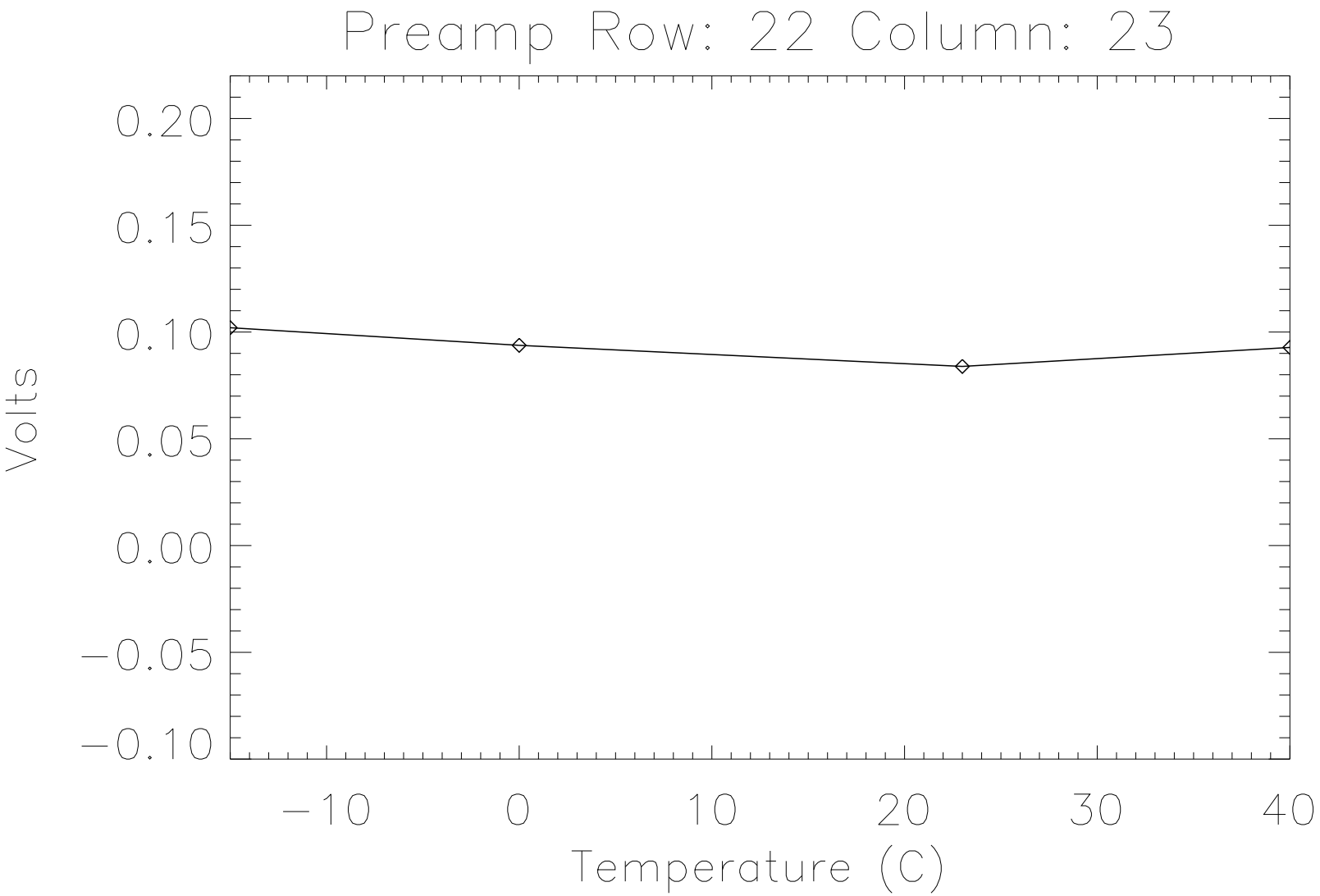

Shaper Row: 22 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

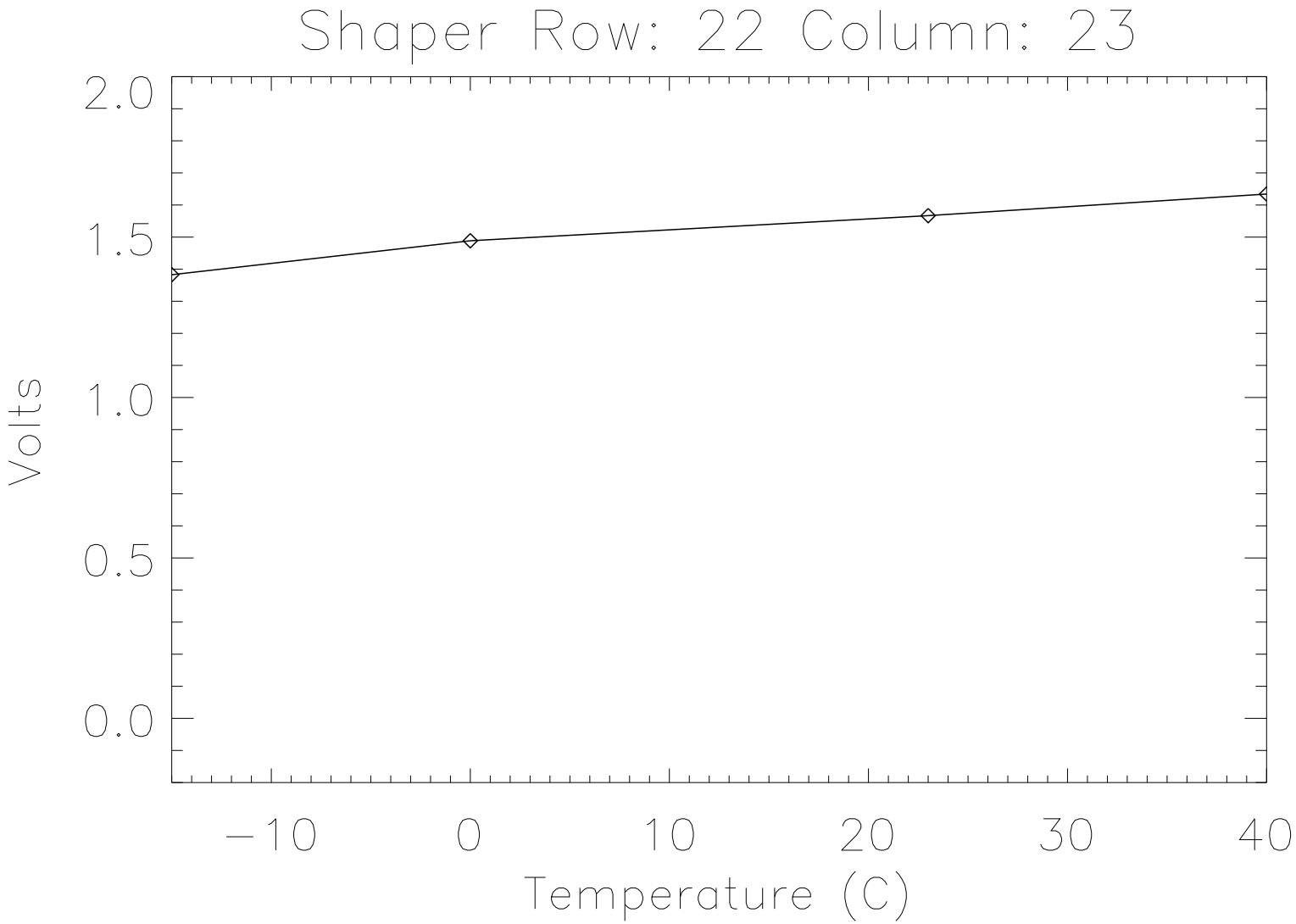

Leakage Row: 22 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

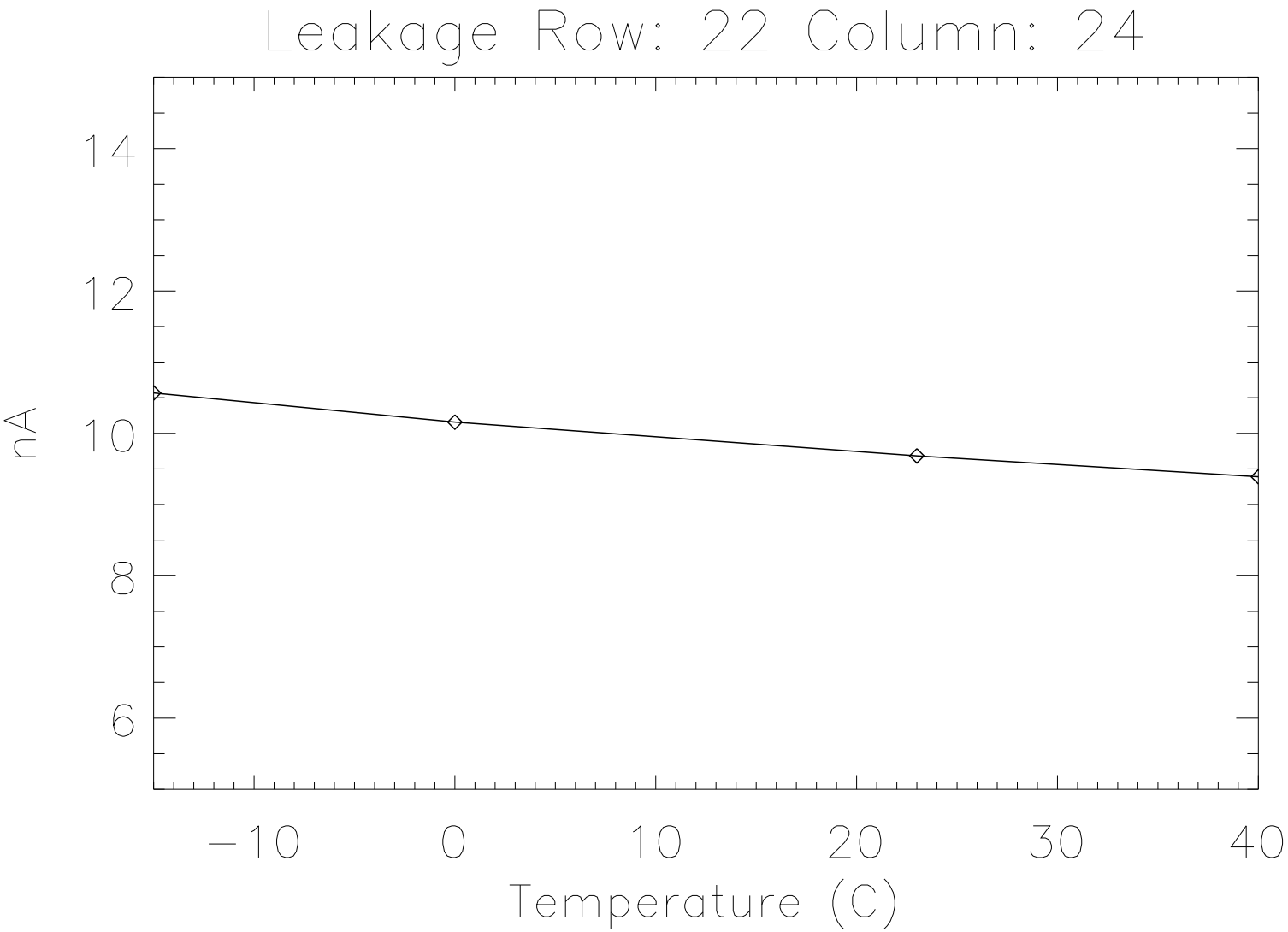

Preamp Row: 22 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

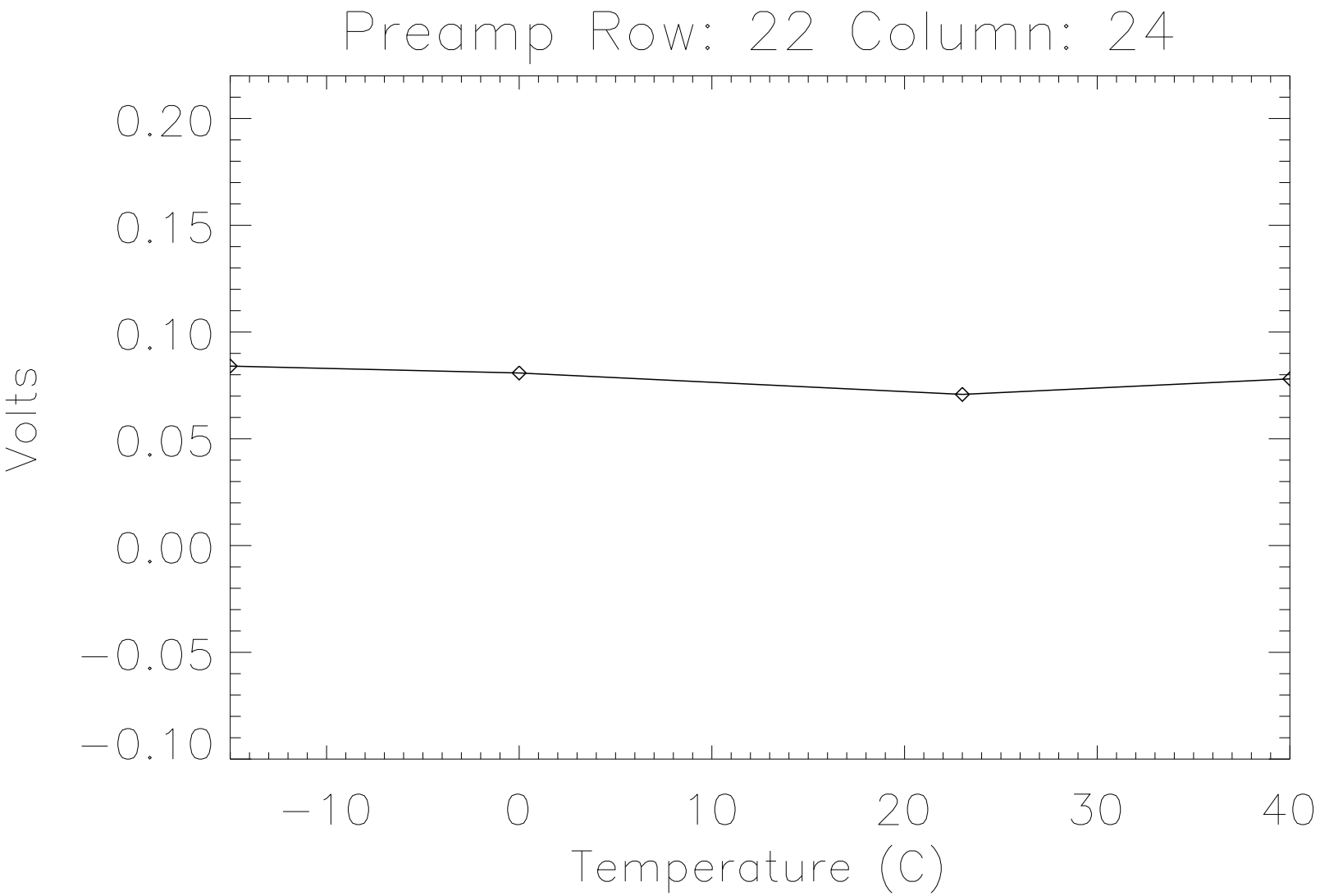

Shaper Row: 22 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

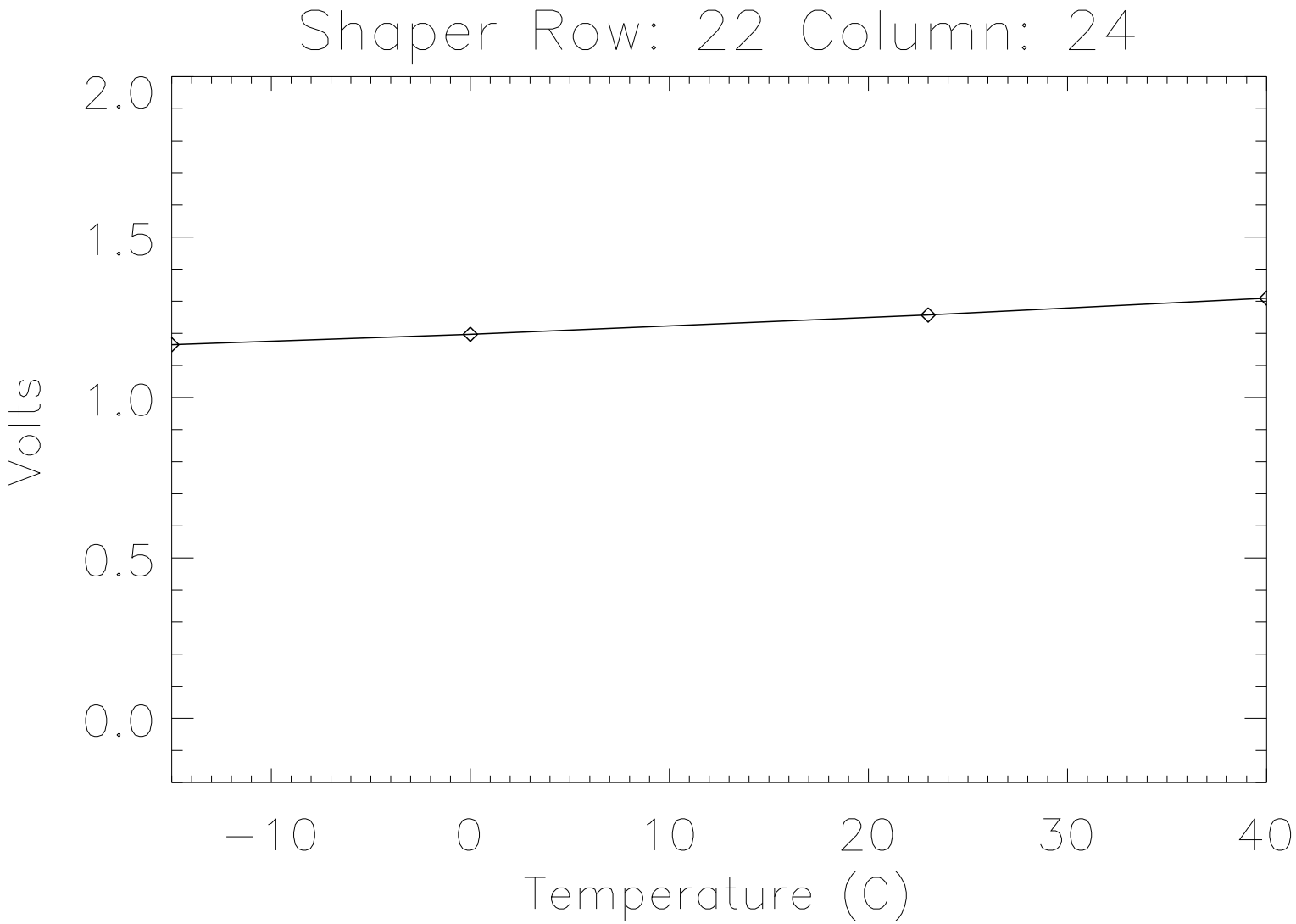

Leakage Row: 22 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

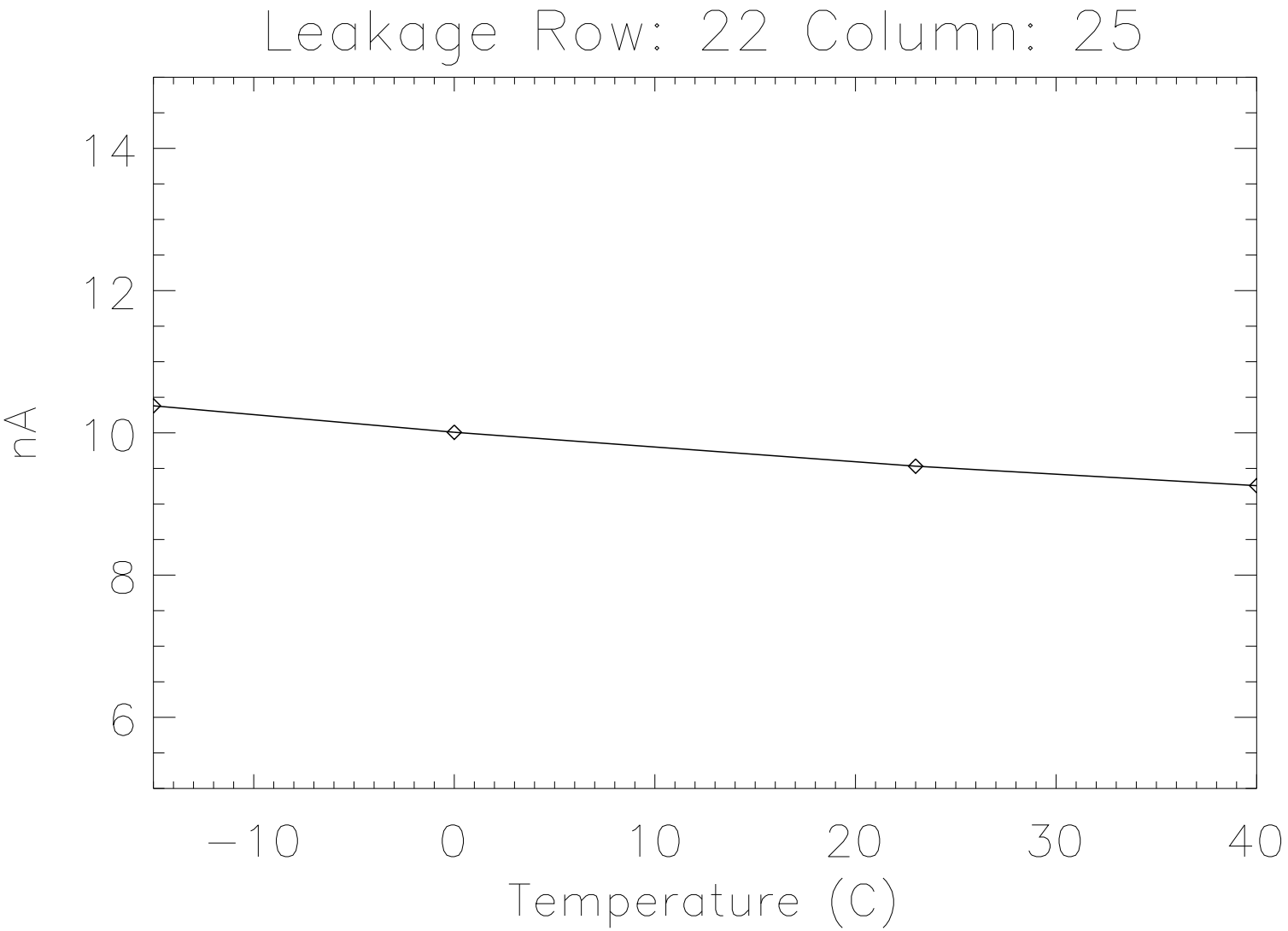

Preamp Row: 22 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

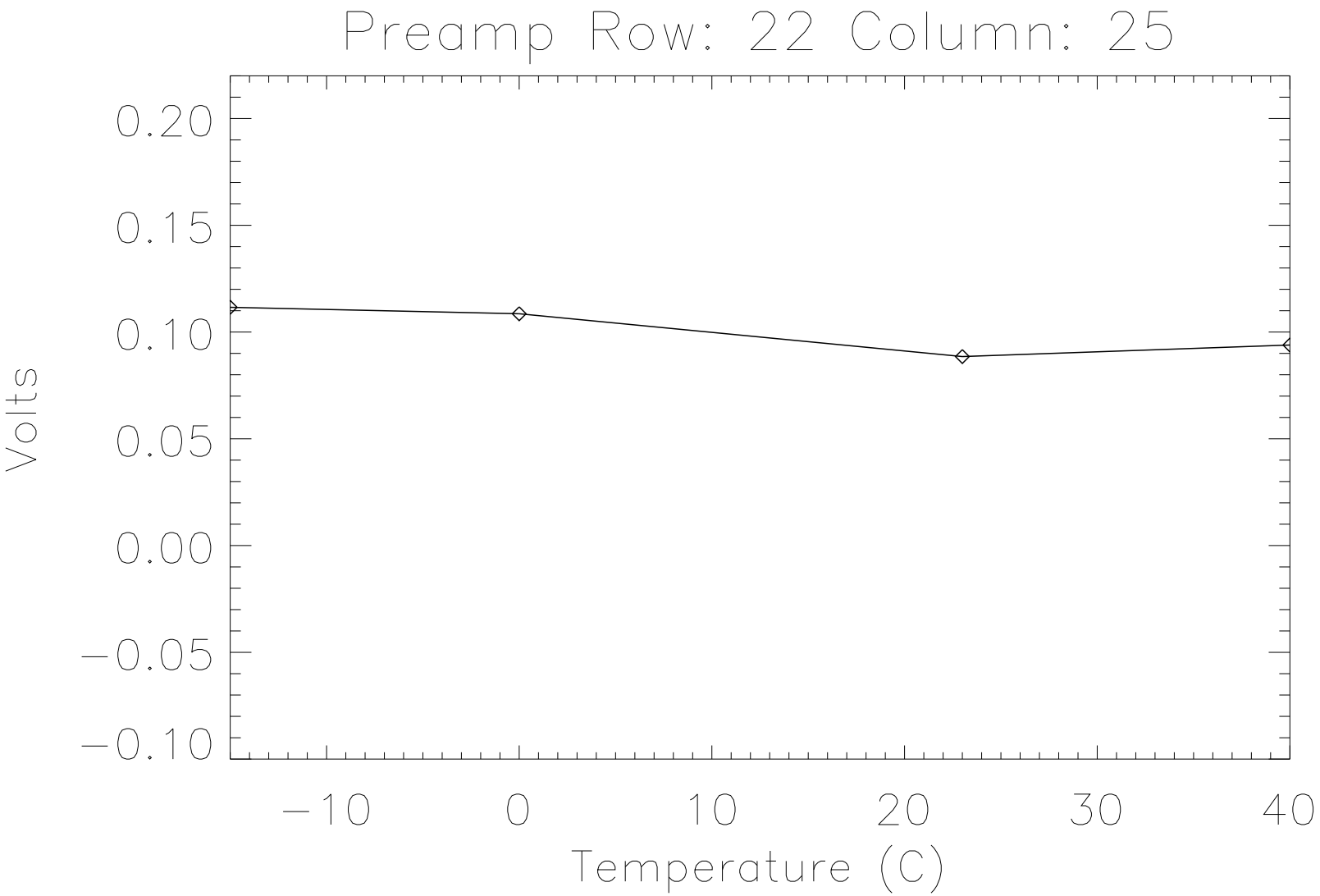

Shaper Row: 22 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

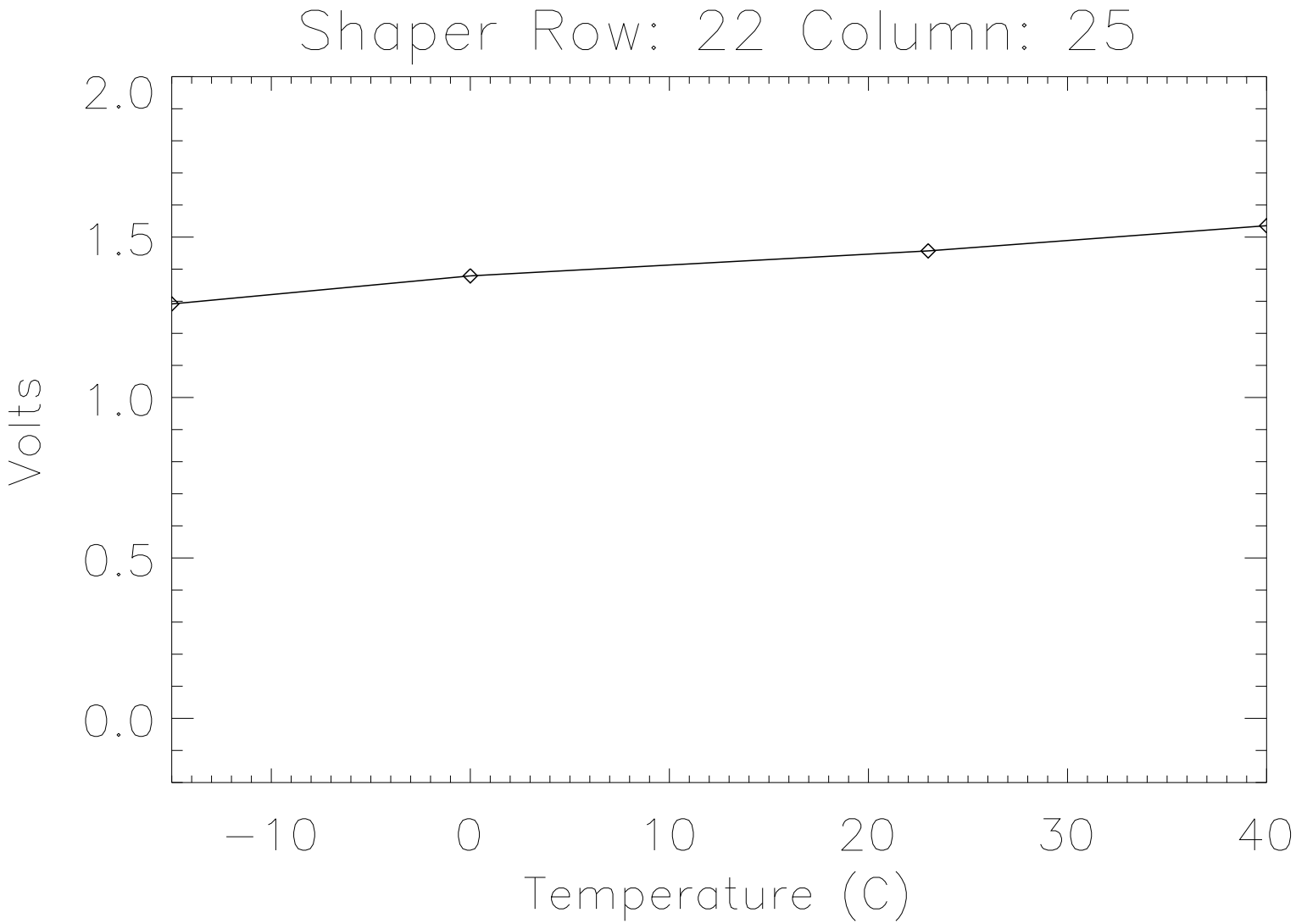

Leakage Row: 22 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

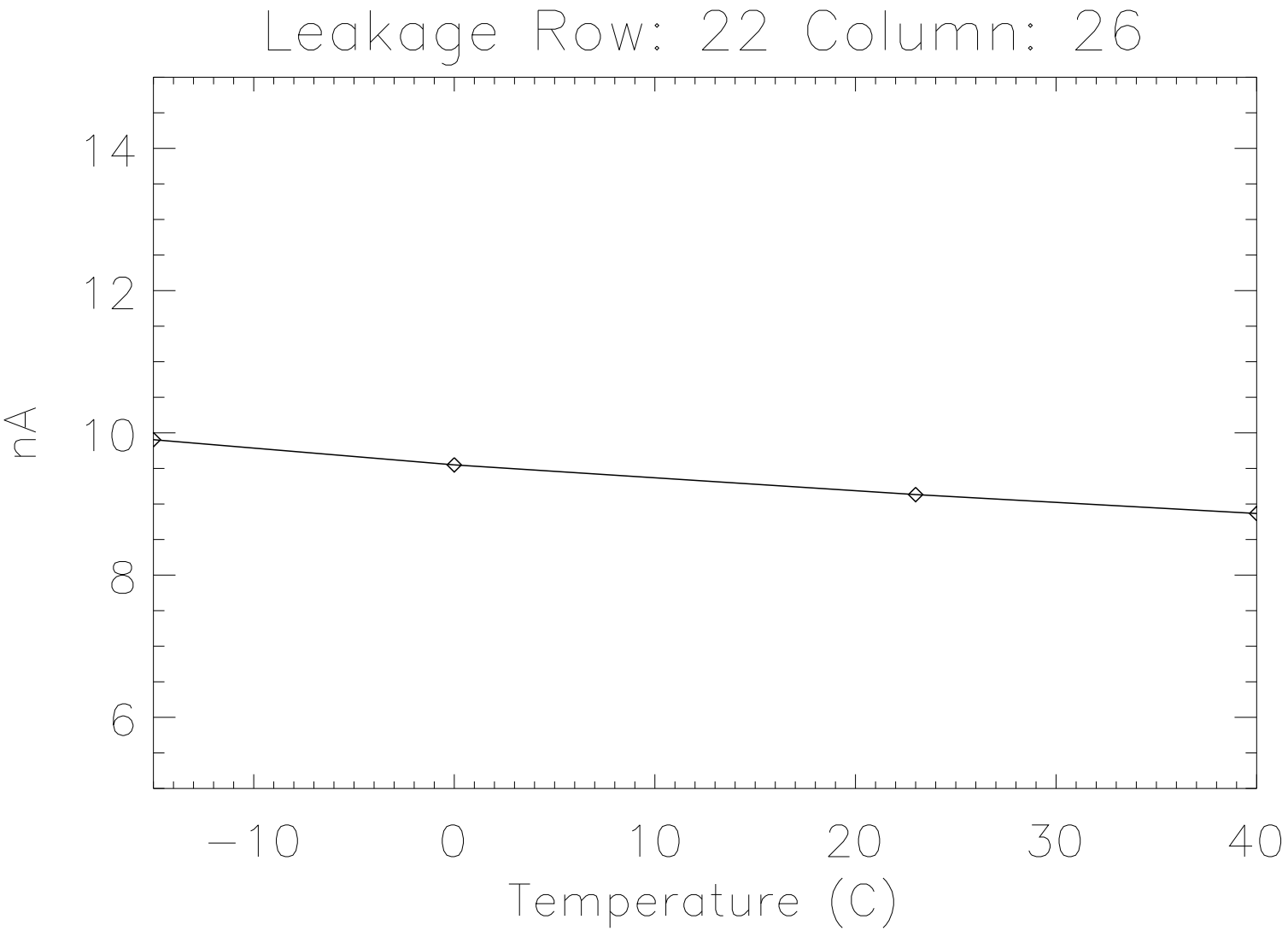

Preamp Row: 22 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

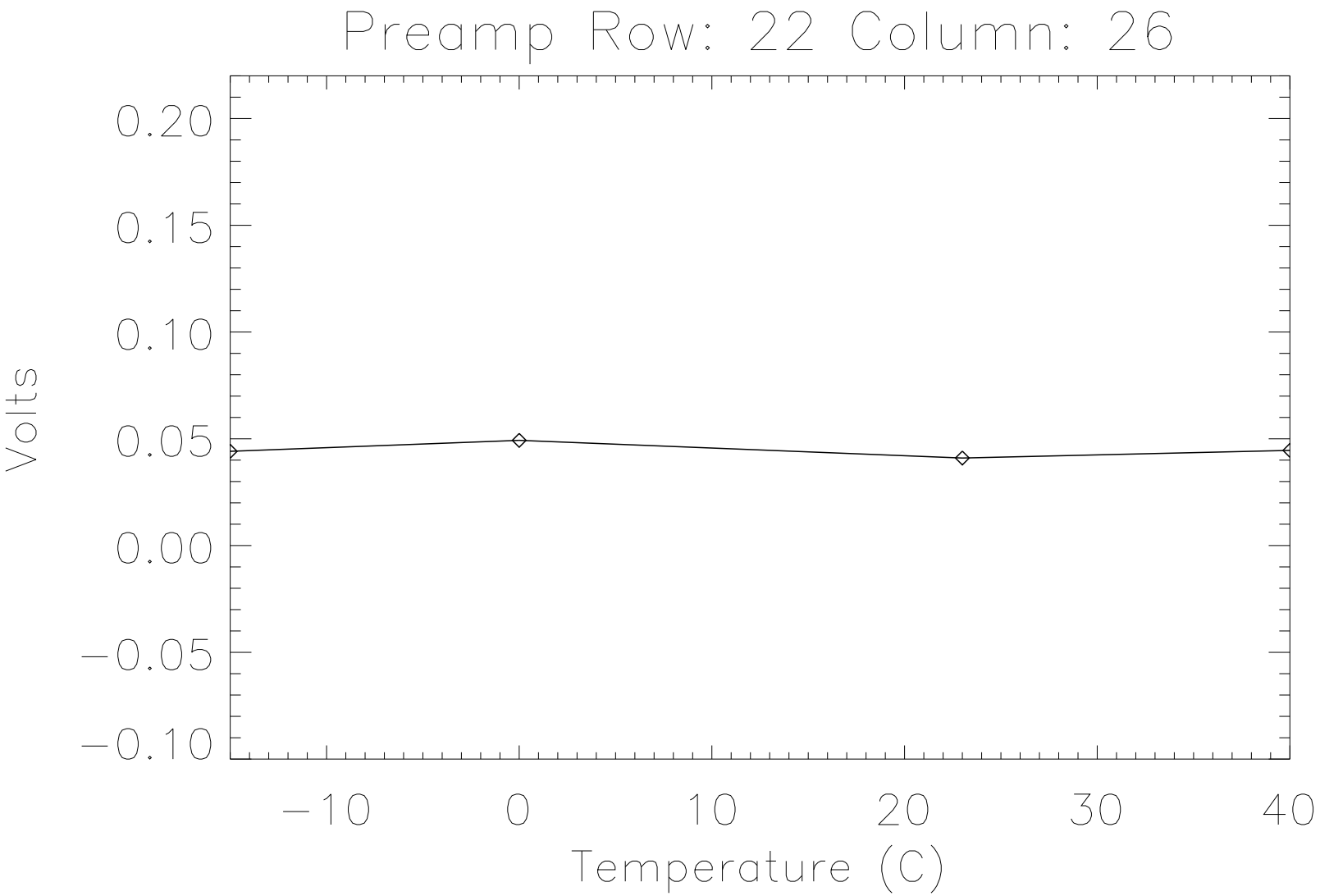

Shaper Row: 22 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

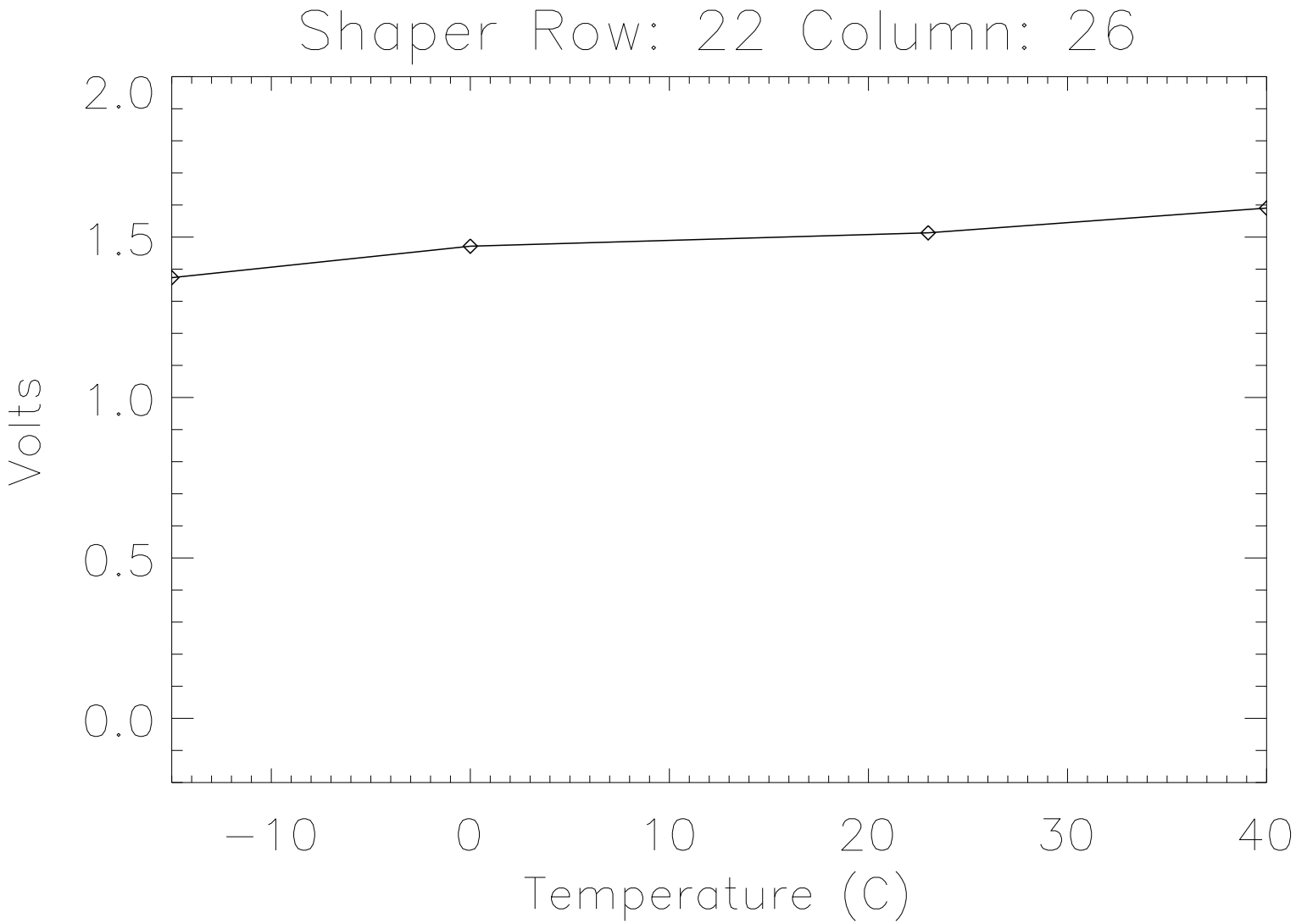

Leakage Row: 22 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

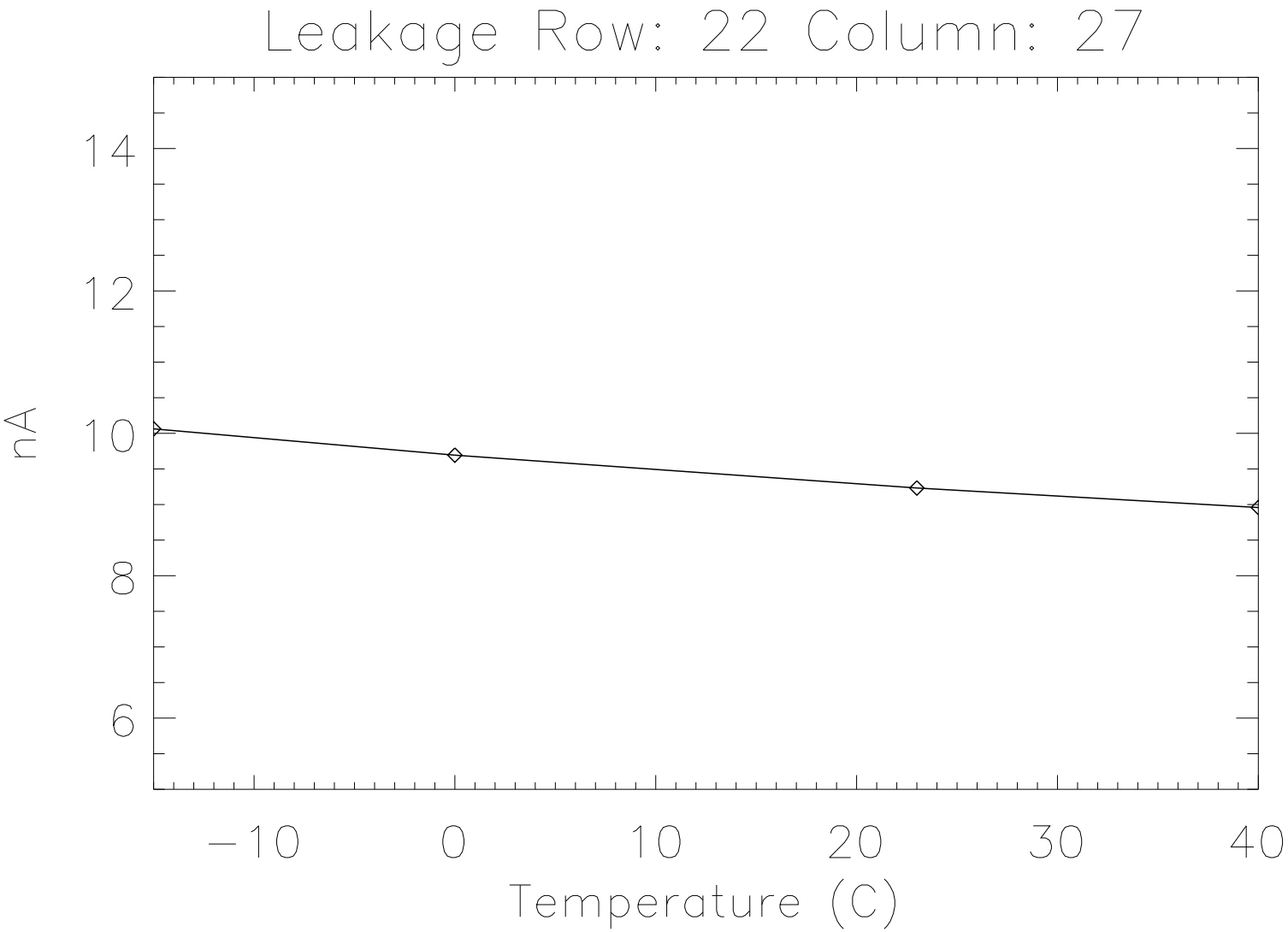

Preamp Row: 22 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

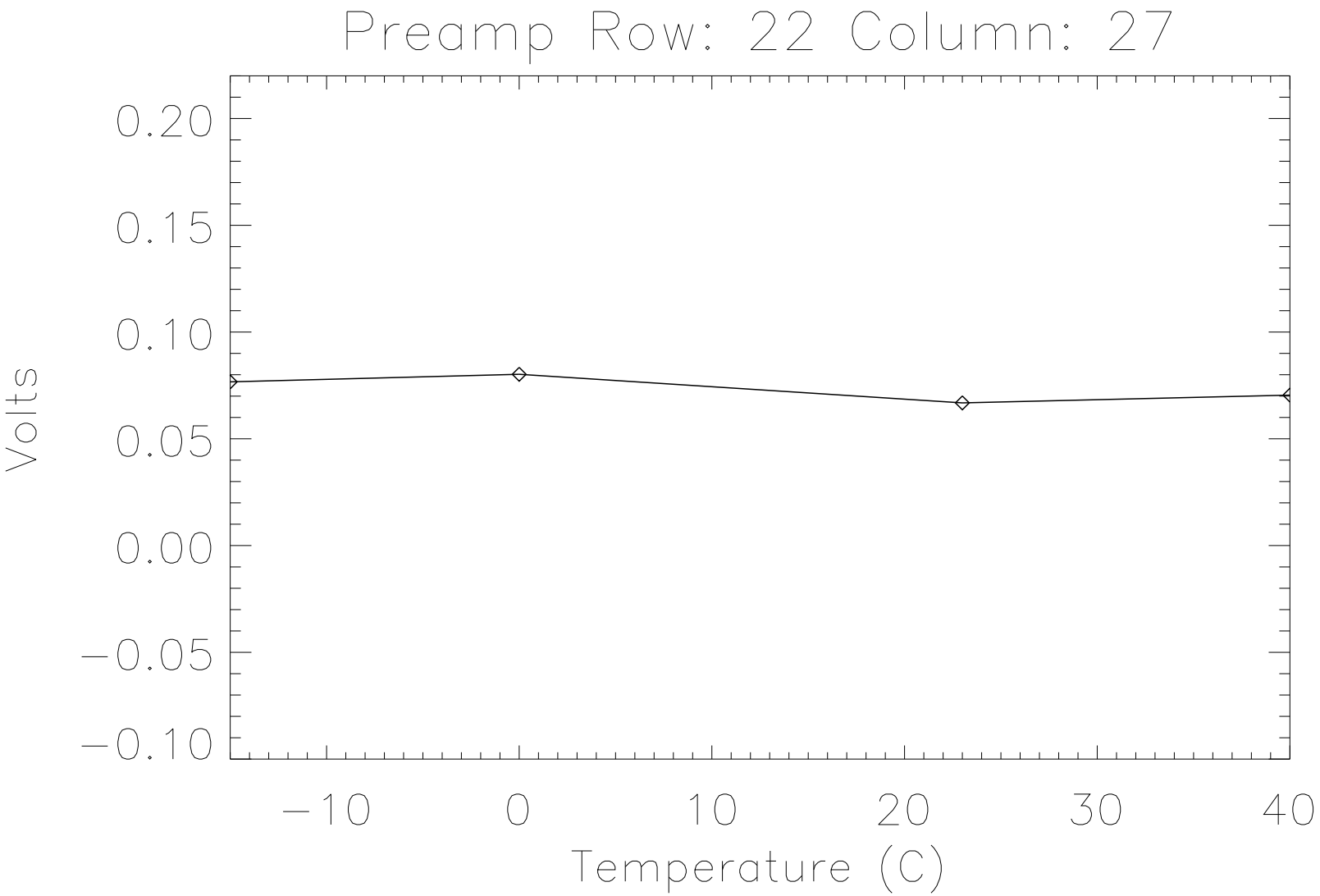

Shaper Row: 22 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

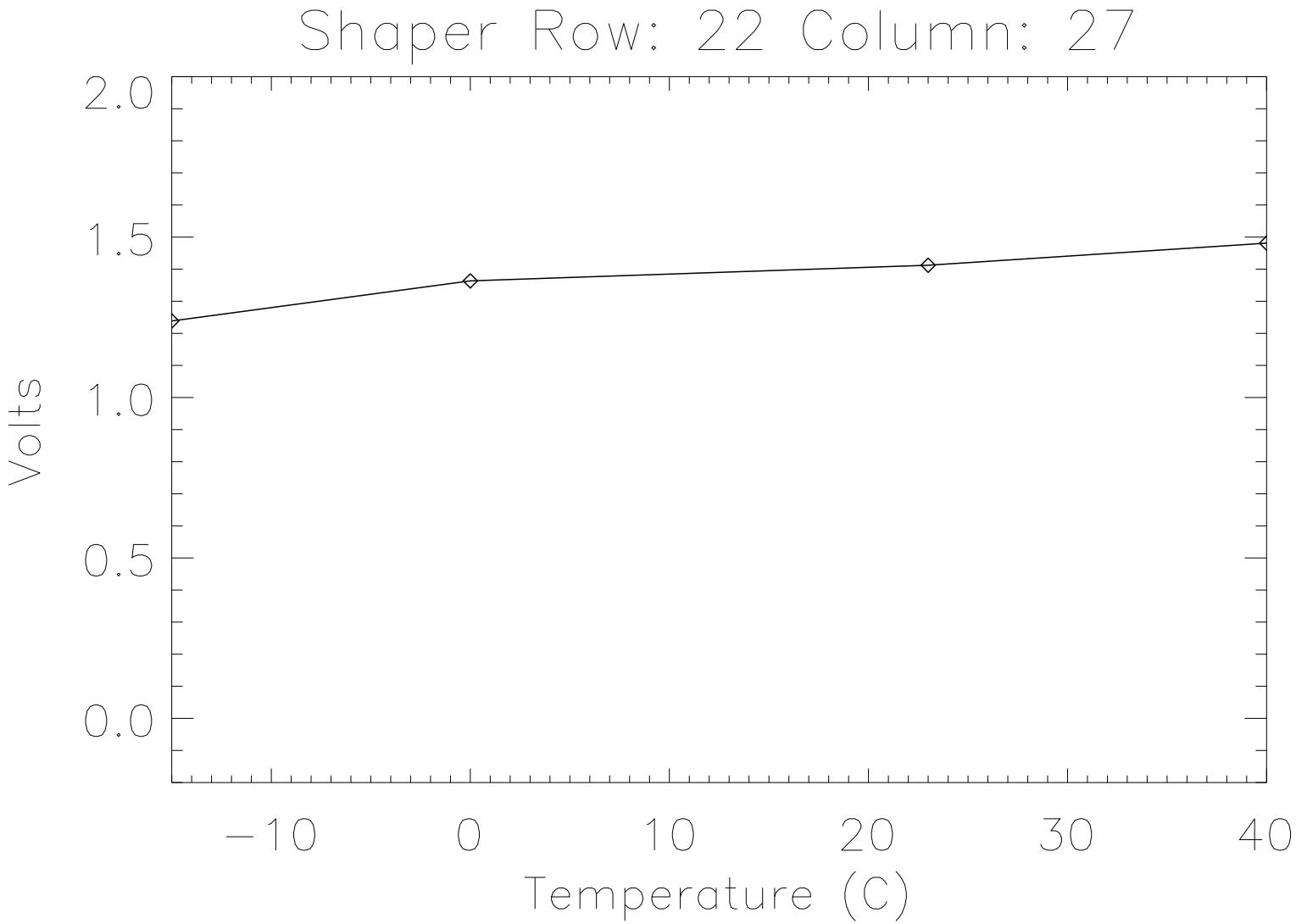

Leakage Row: 22 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

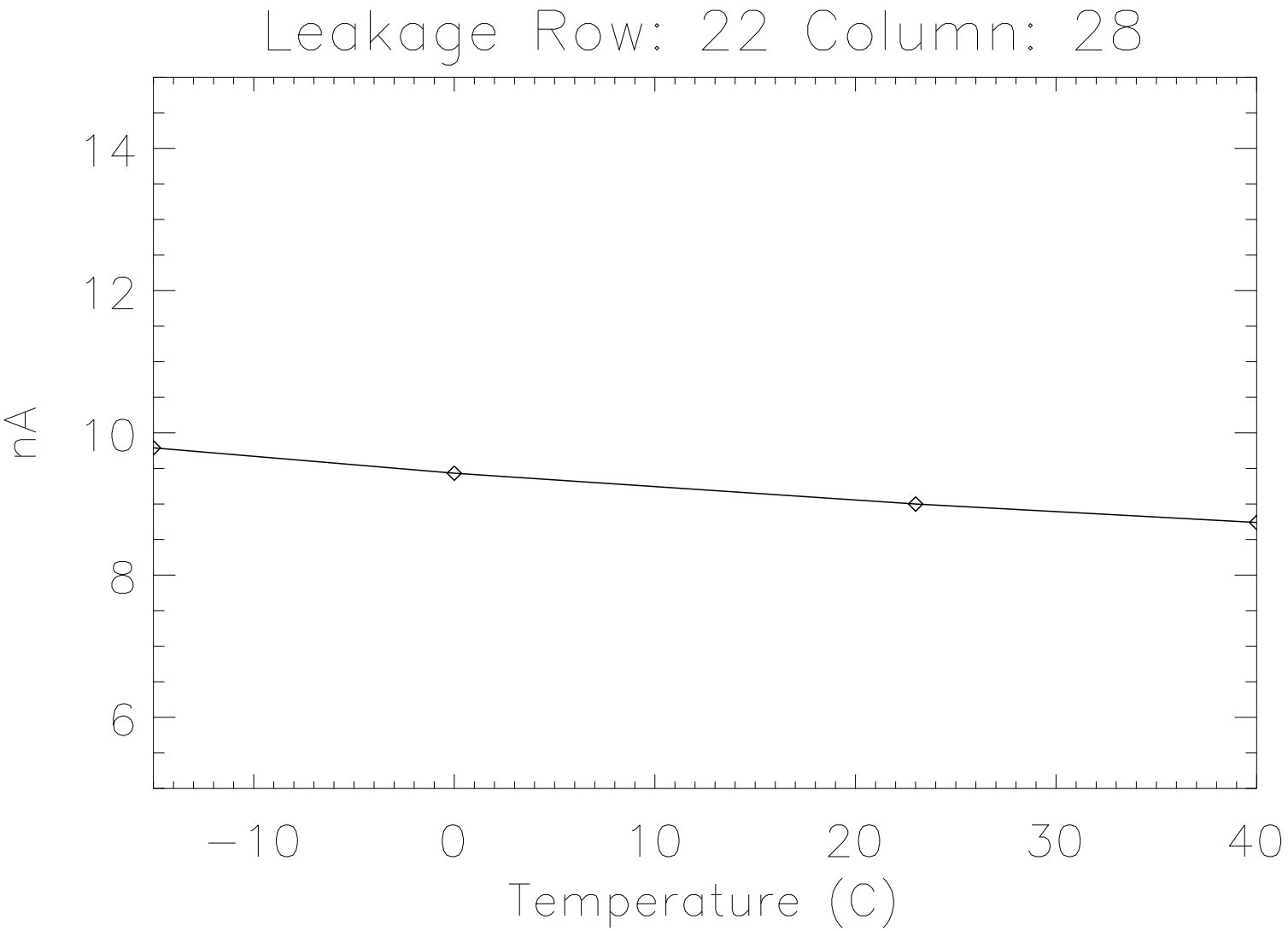

Preamp Row: 22 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

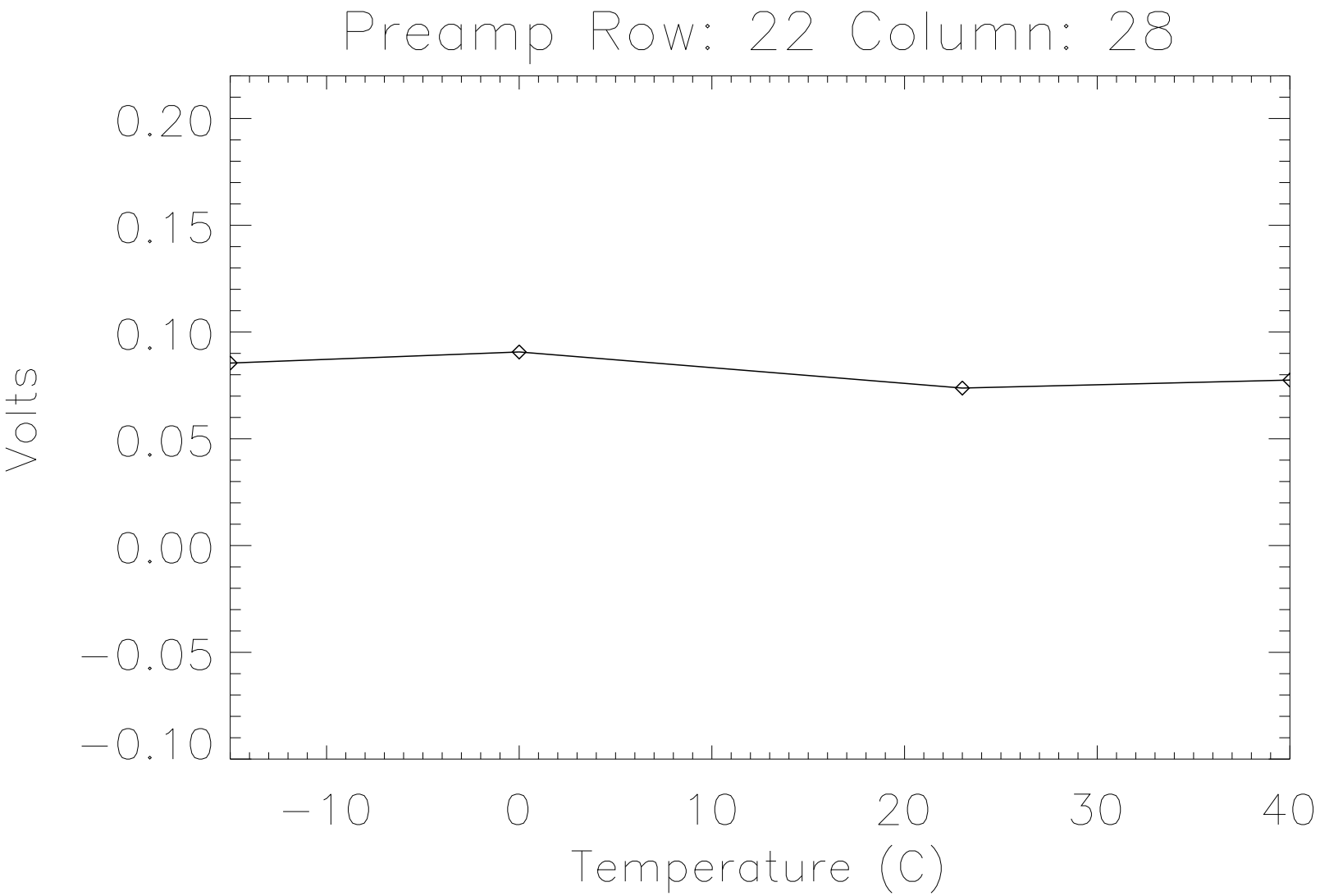

Shaper Row: 22 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 22 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 28
0.20
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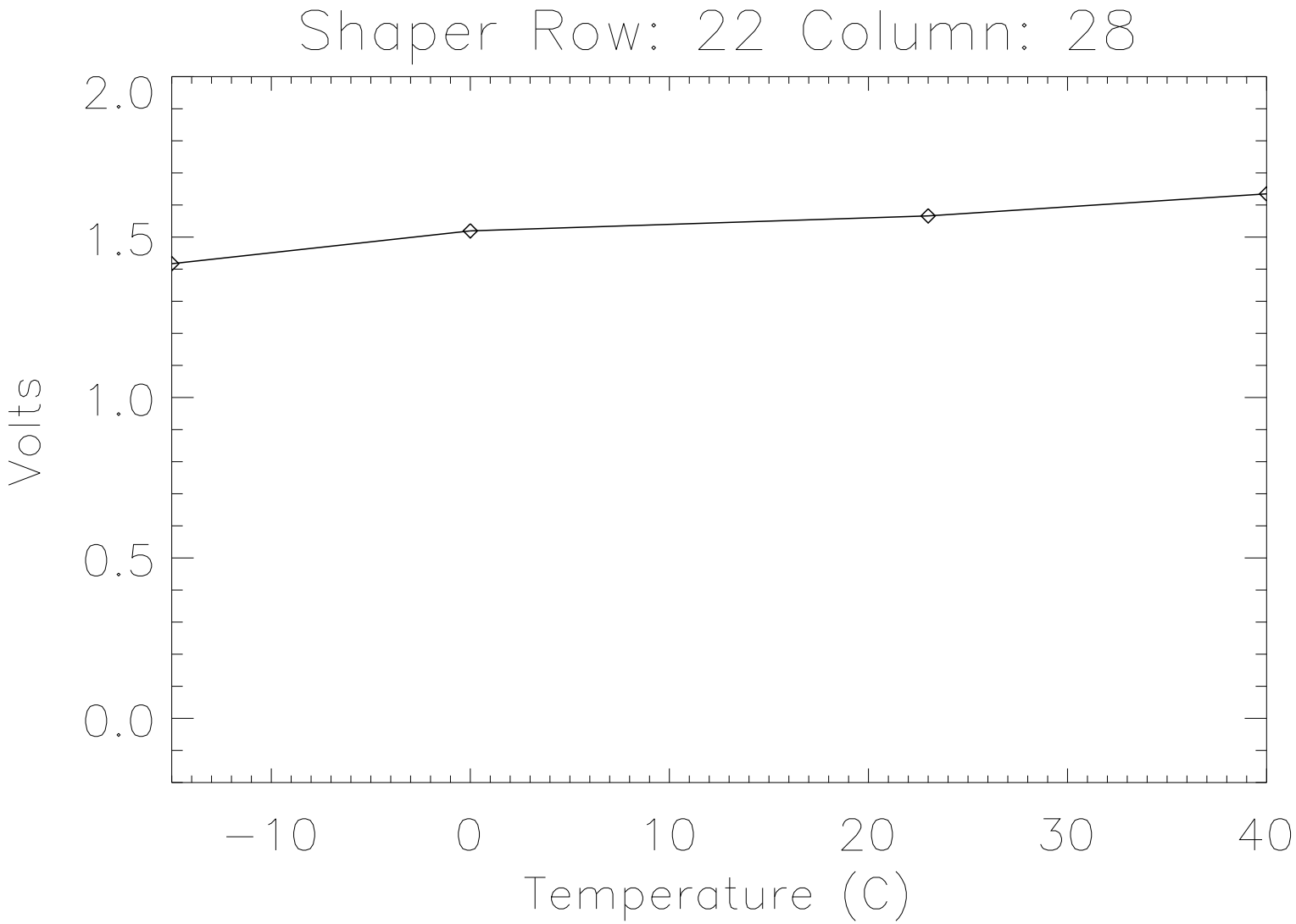
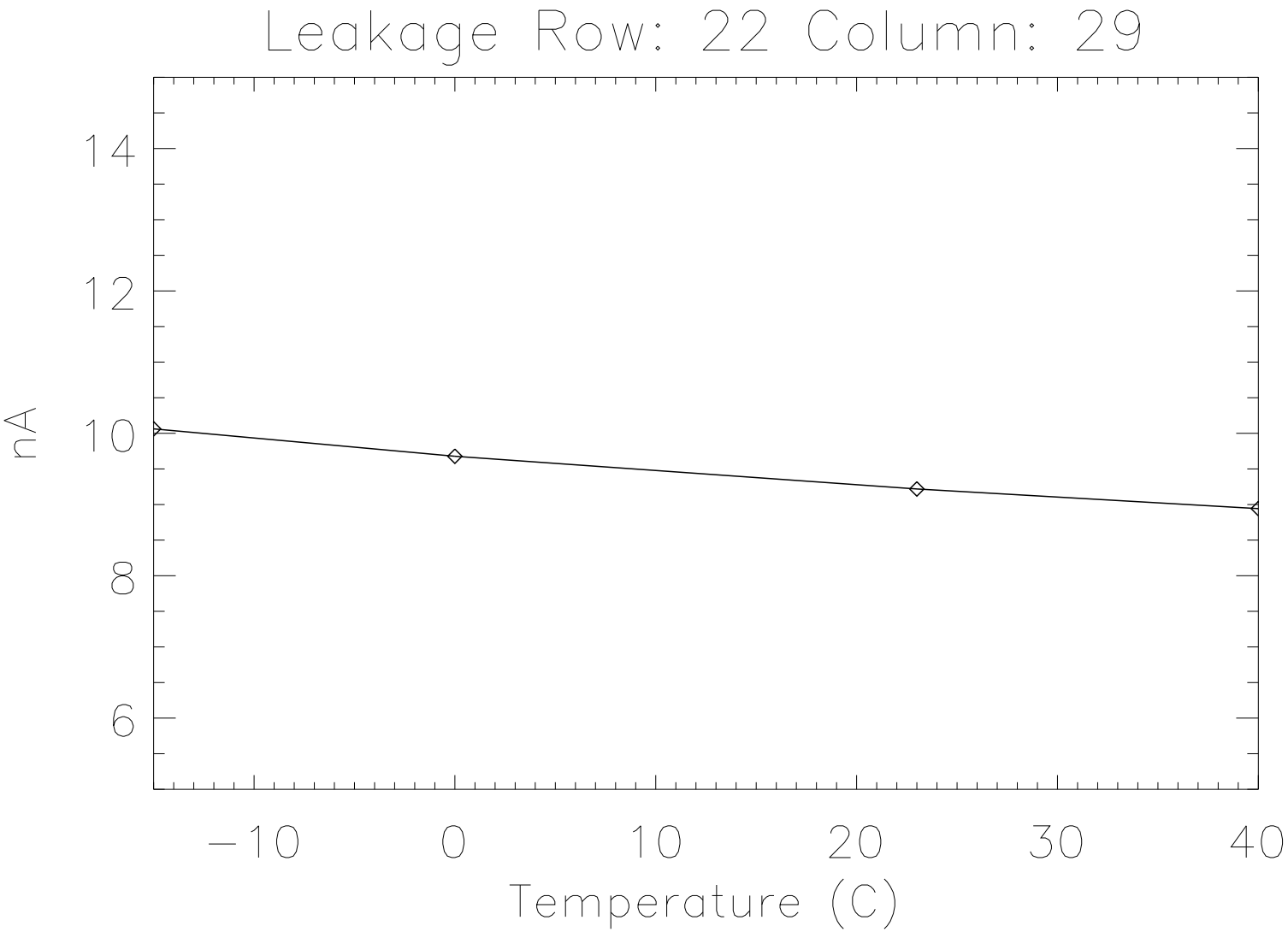
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 22 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 29
nA
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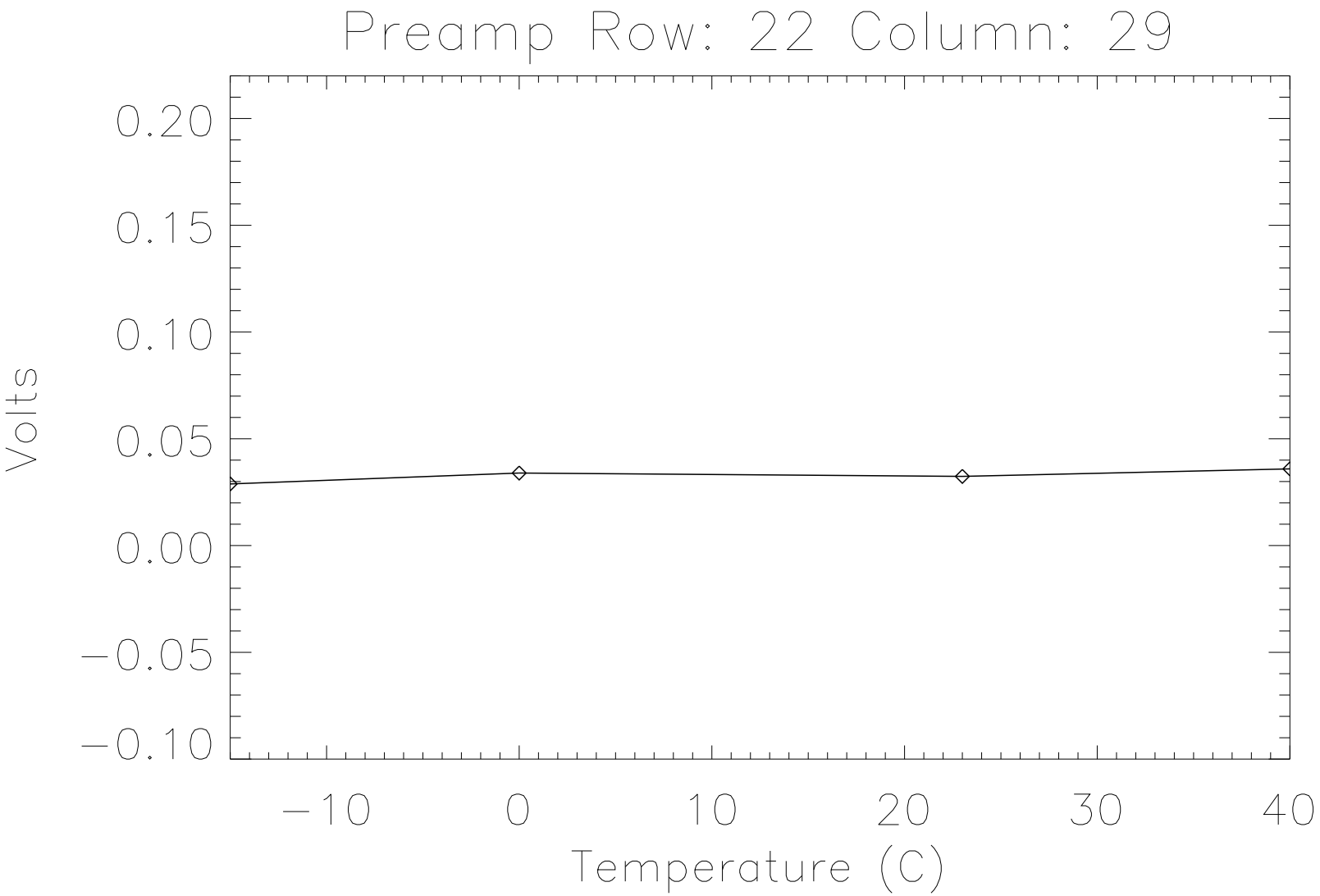
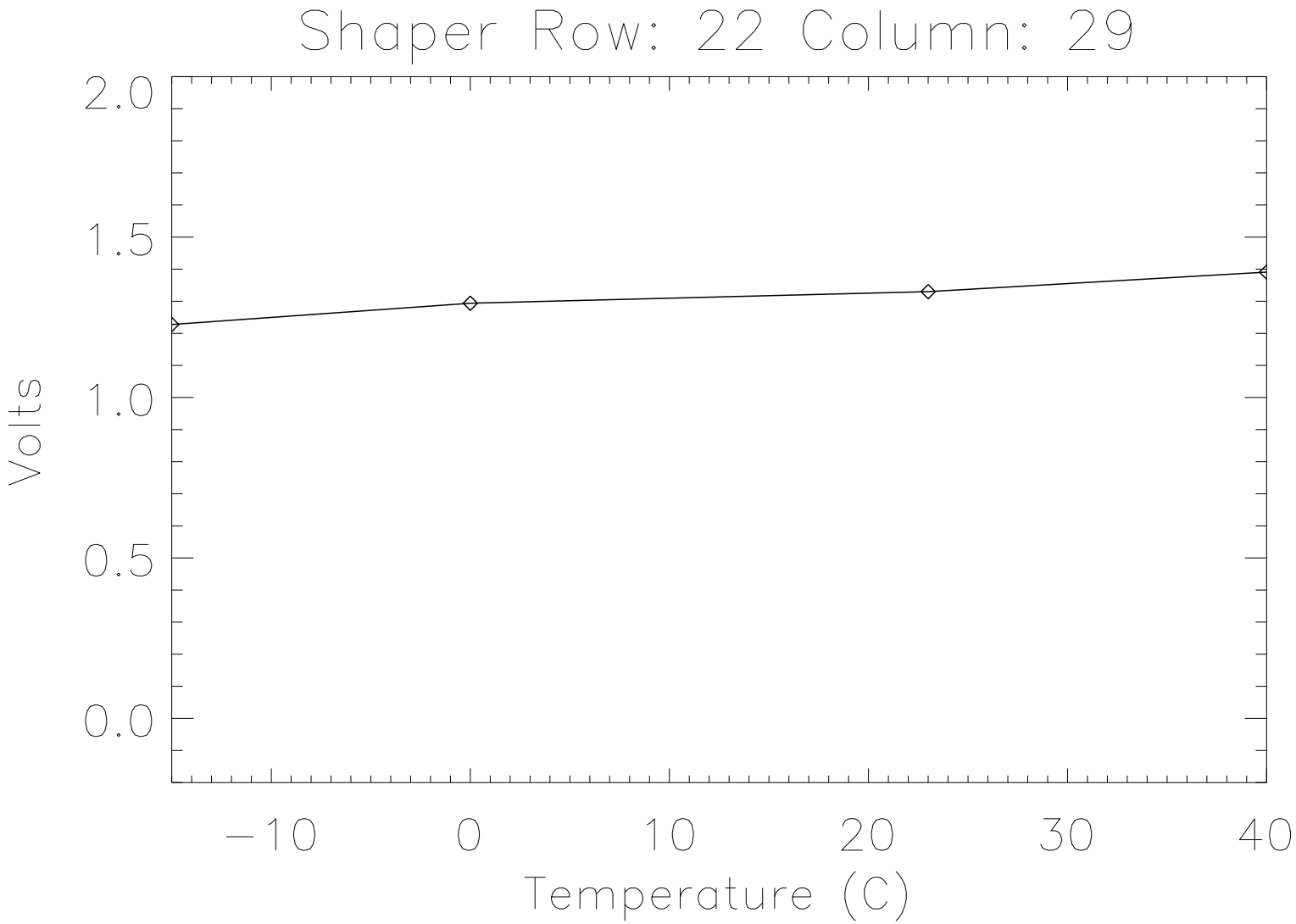
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 22 Column: 29
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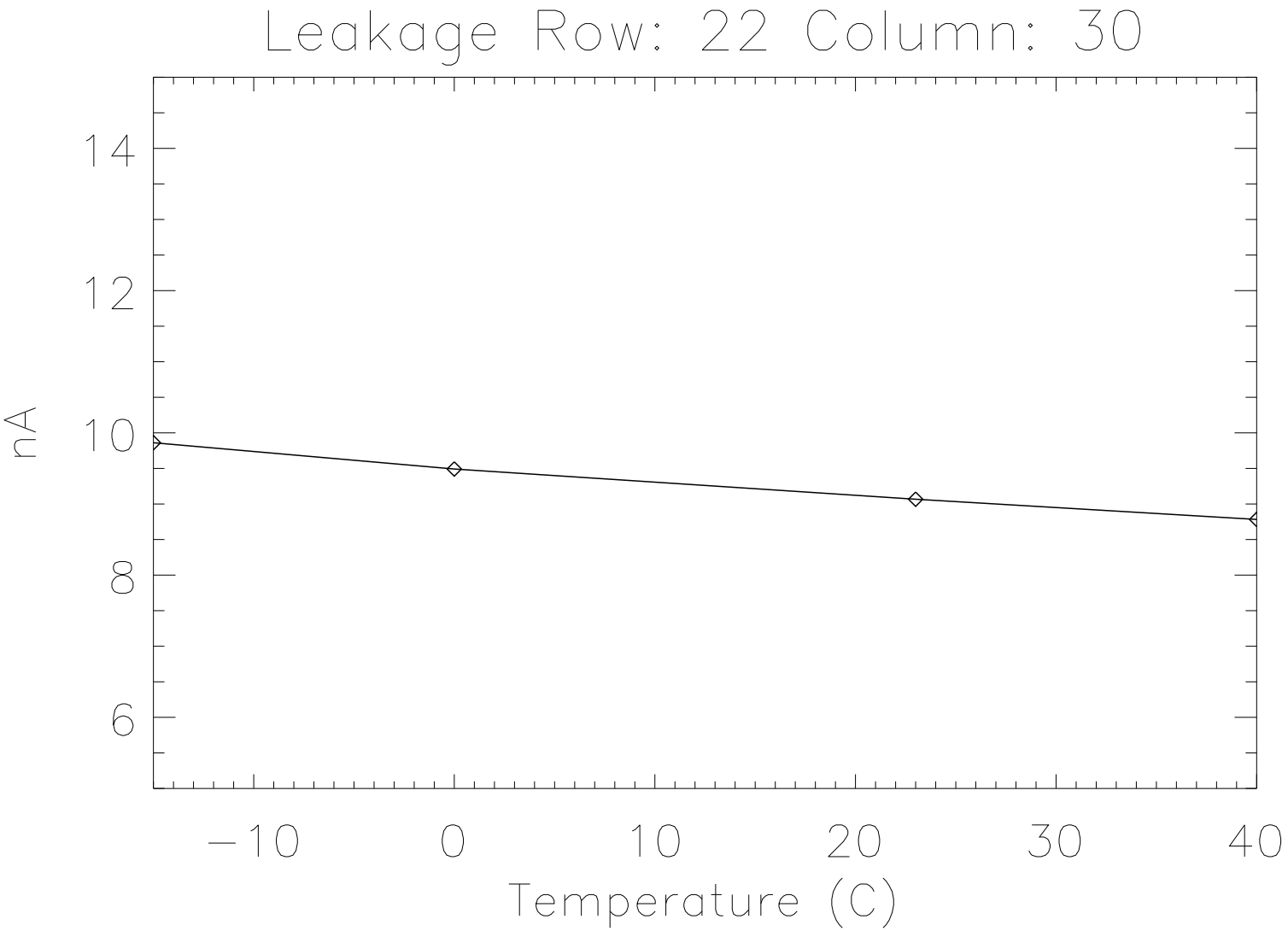
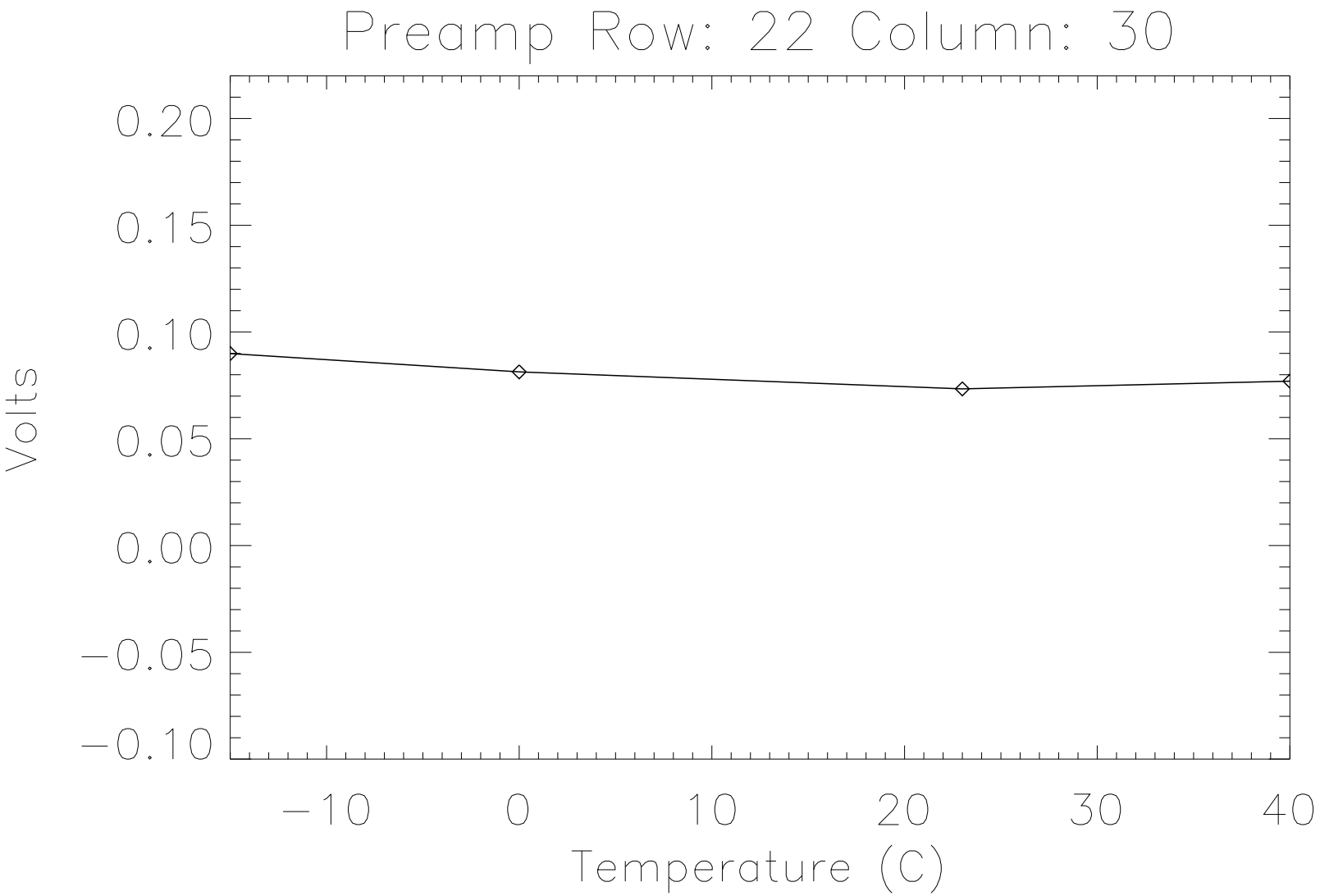
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 30
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 30
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0.10
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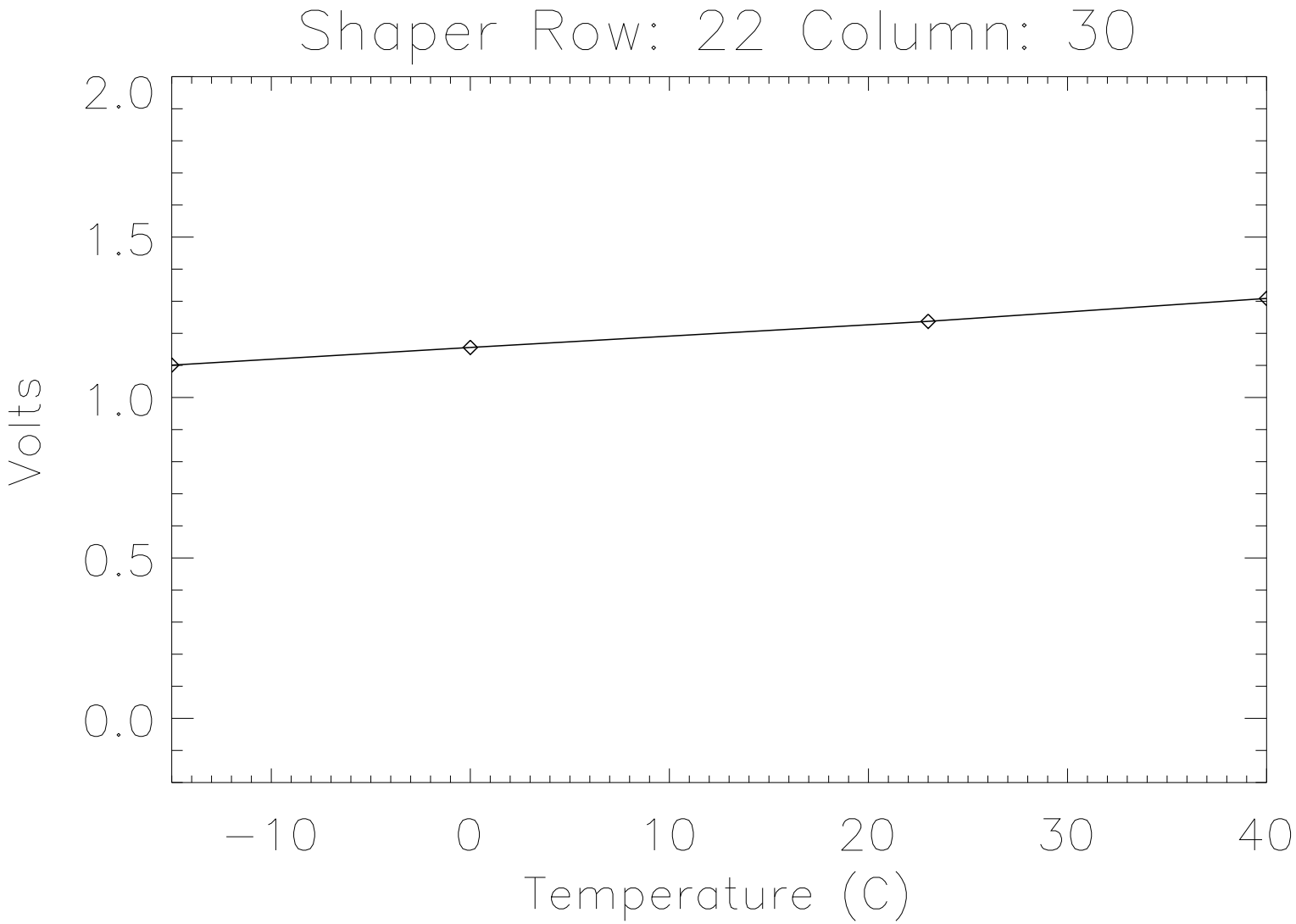
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 22 Column: 30
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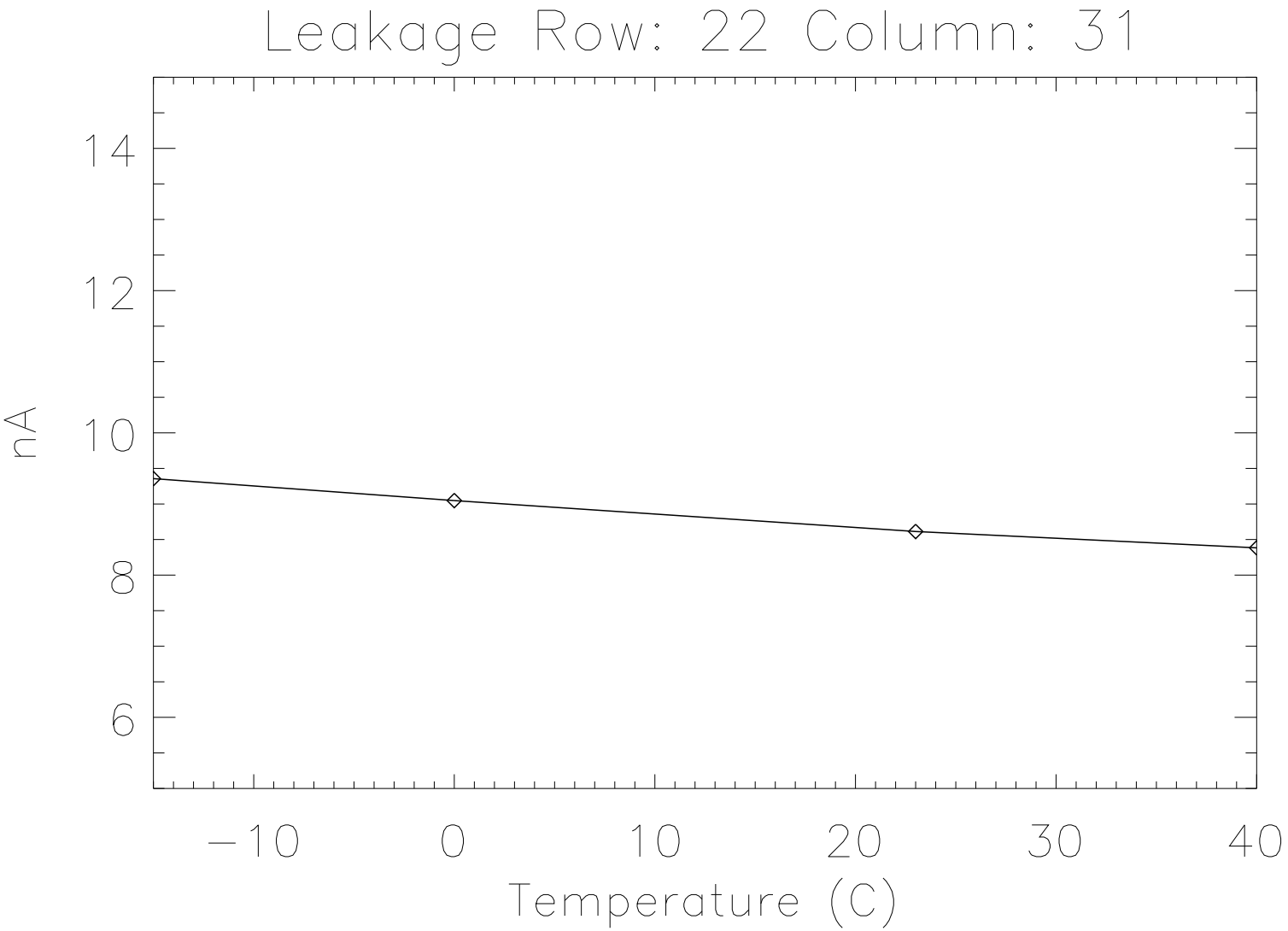
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 22 Column: 31
nA
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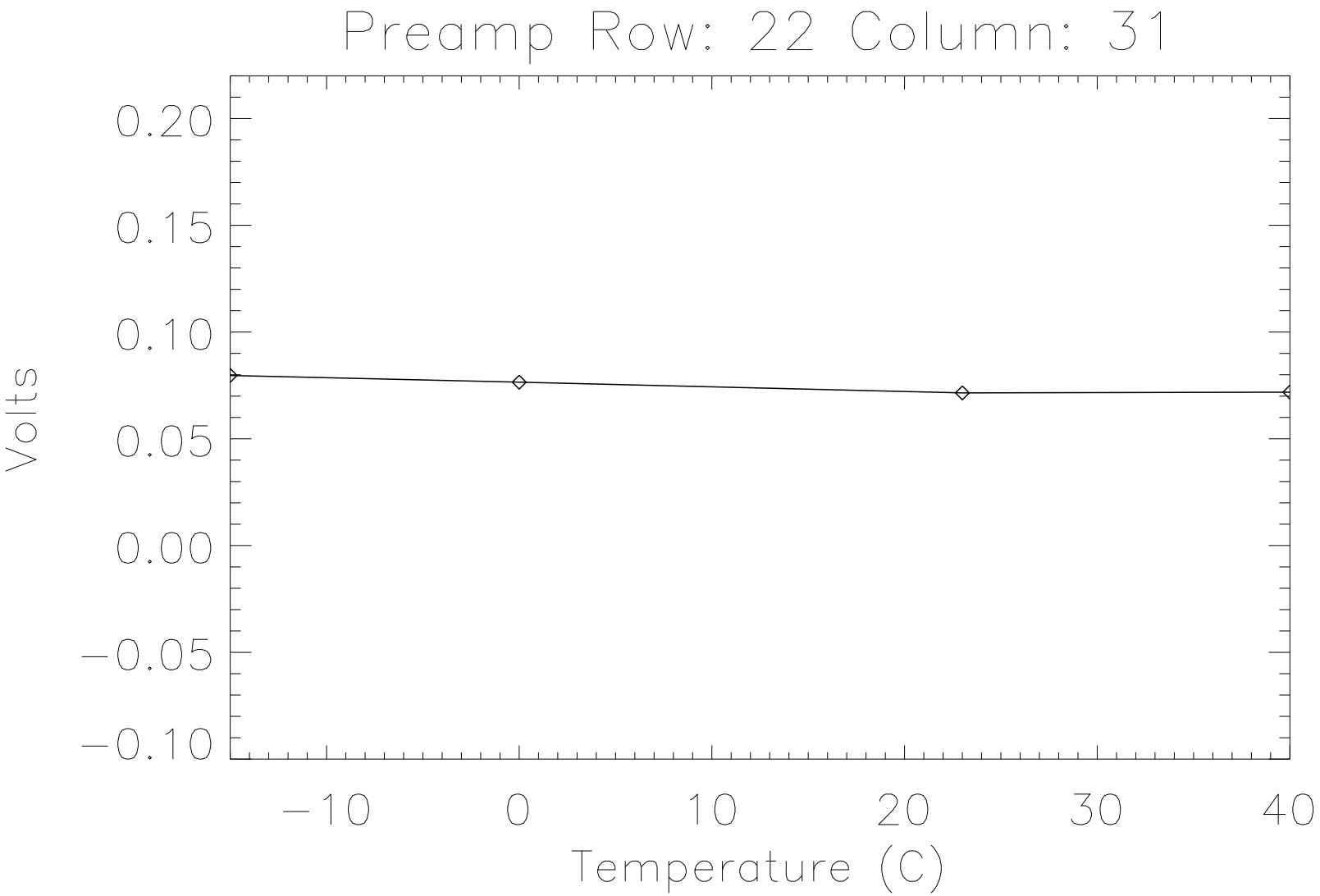
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 22 Column: 31
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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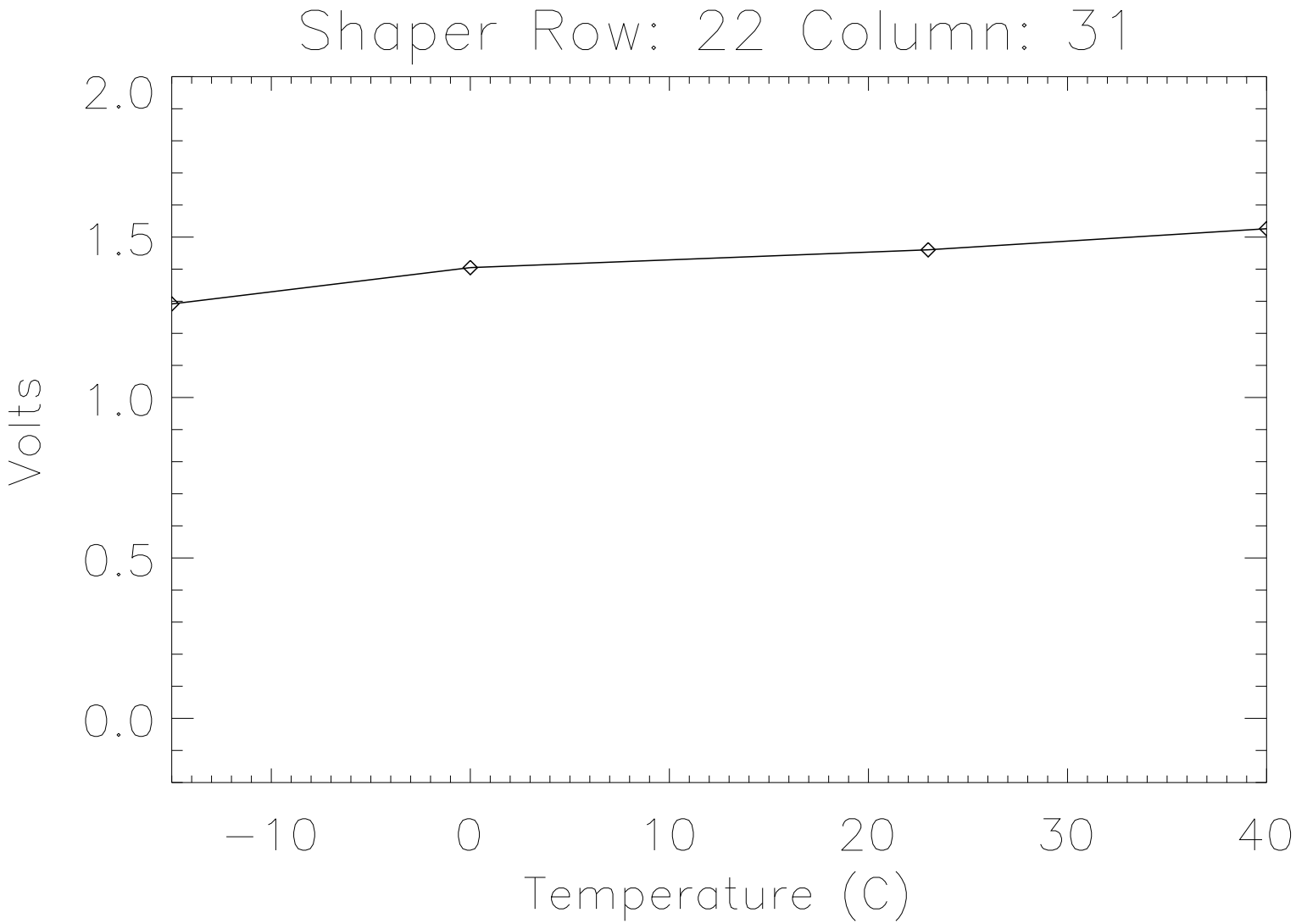
20
30
40
Temperature (C)


Shaper Row: 22 Column: 31
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1.5
1.0
0.5
0.0
Volts
−10
0
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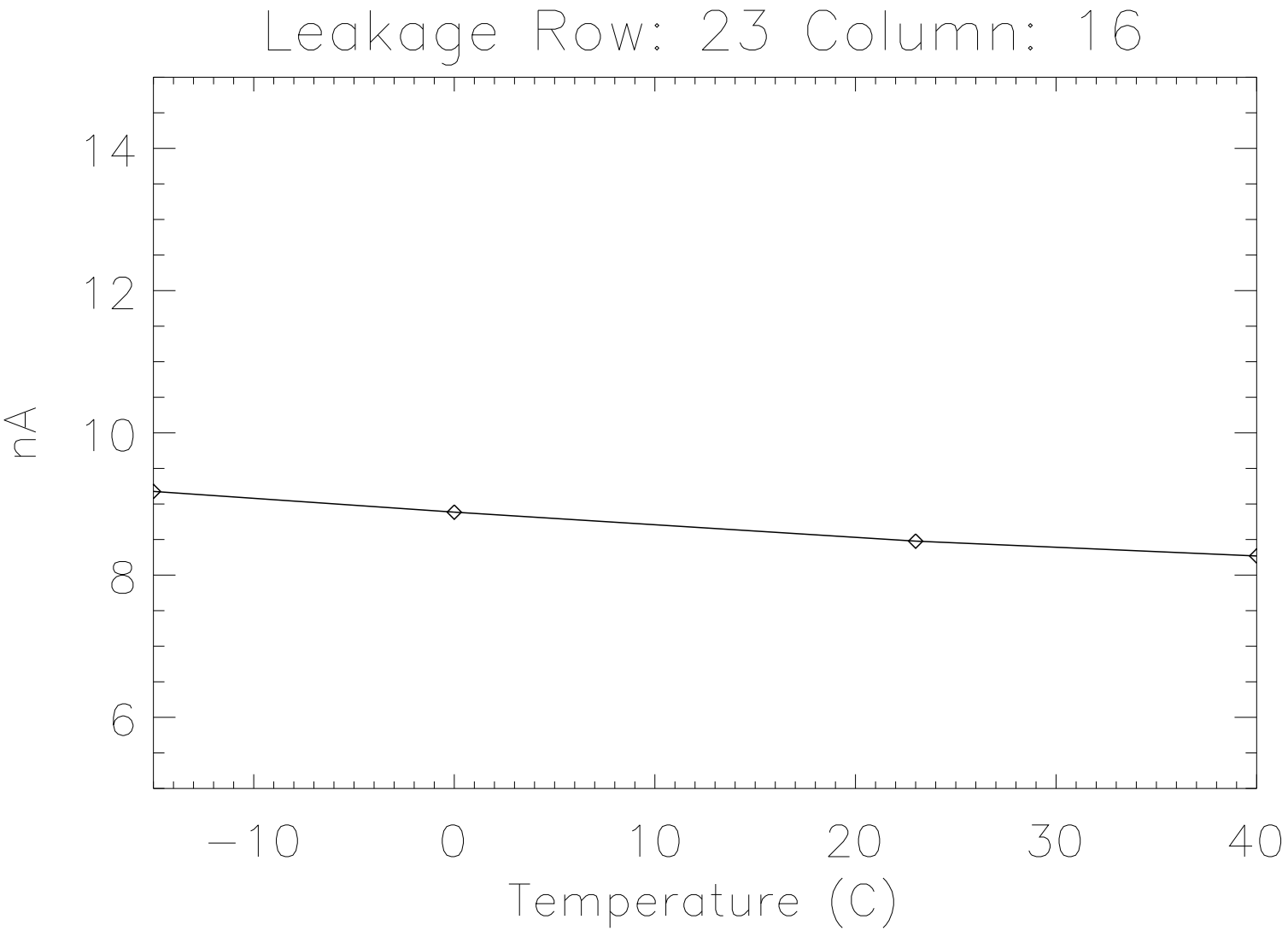
30
40
Temperature (C)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nA
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8
6
−10
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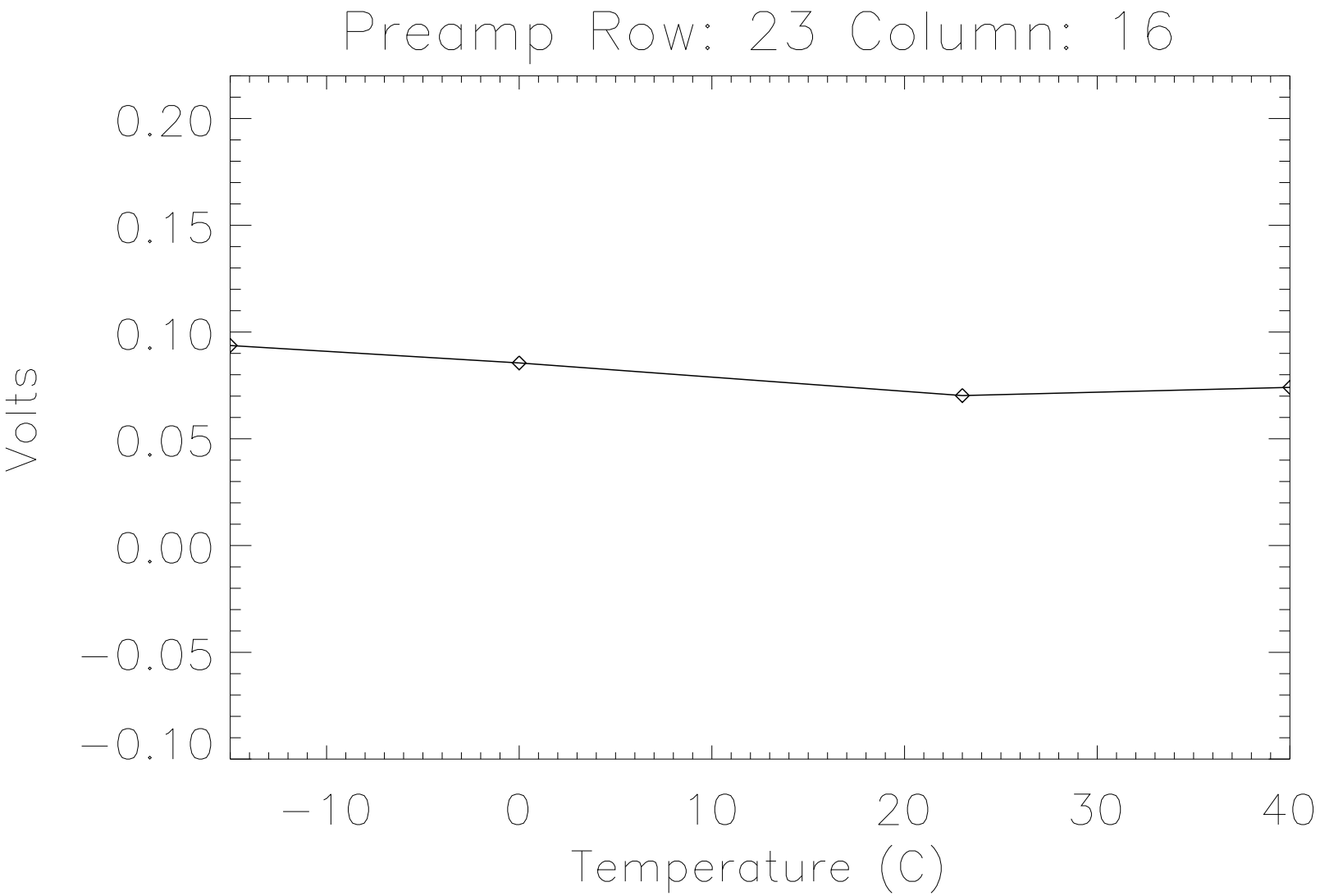
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 16
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0.10
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0.00
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Volts
−10
0
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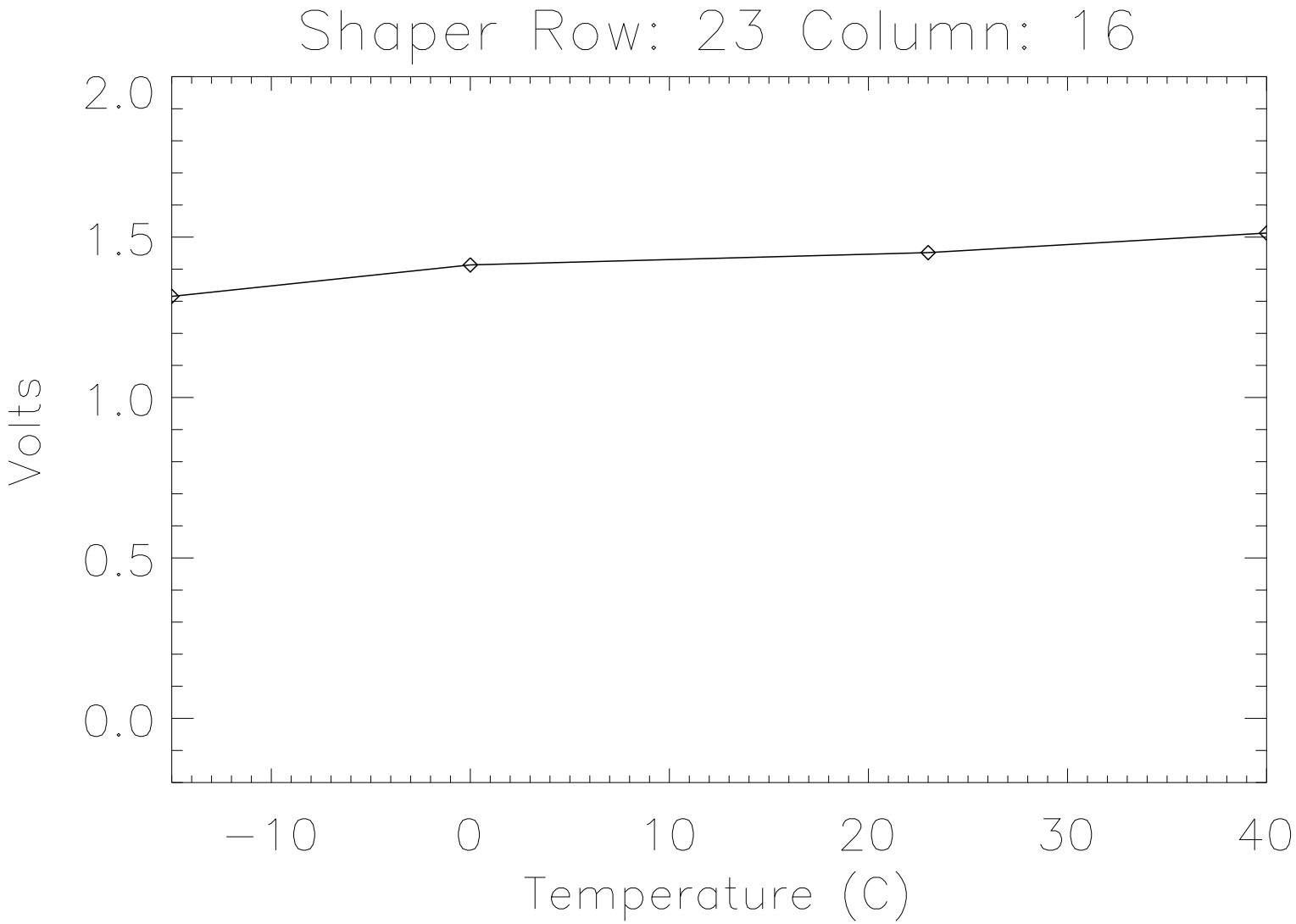
30
40
Temperature (C)


Shaper Row: 23 Column: 16
2.0
1.5
1.0
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0.0
Volts
−10
0
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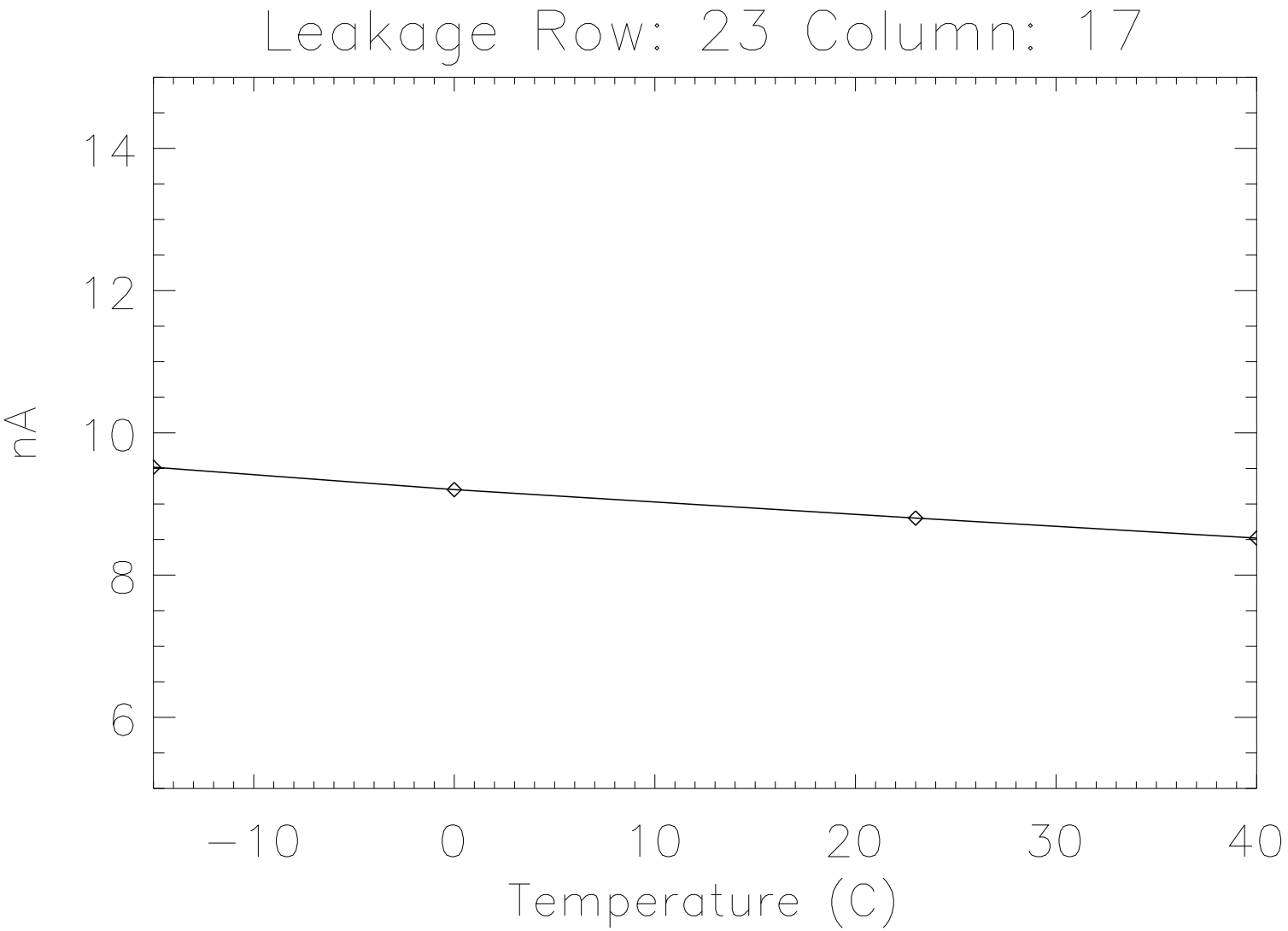
20
30
40
Temperature (C)


Leakage Row: 23 Column: 17
nA
14
12
10
8
6
−10
0
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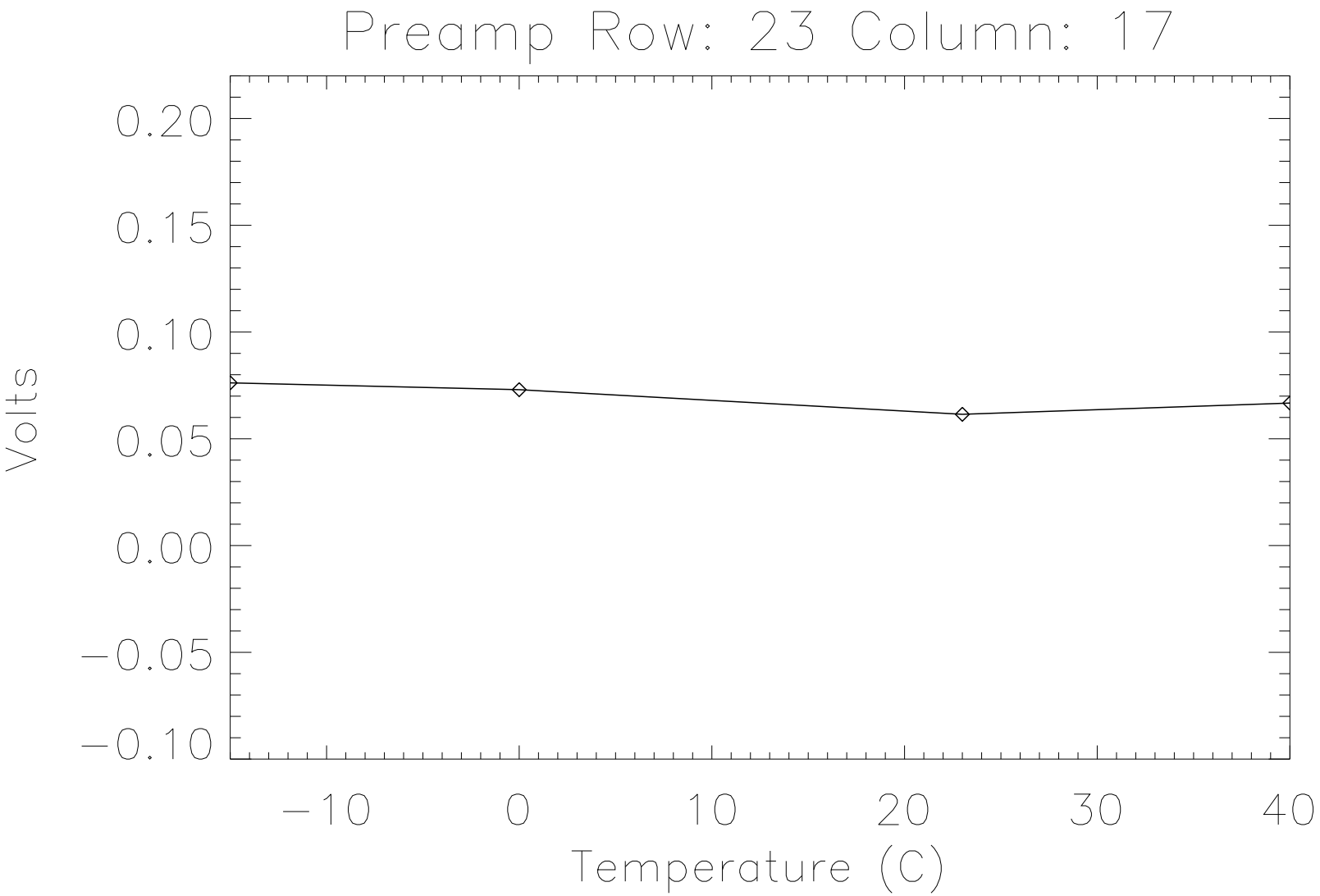
20
30
40
Temperature (C)


Preamp Row: 23 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
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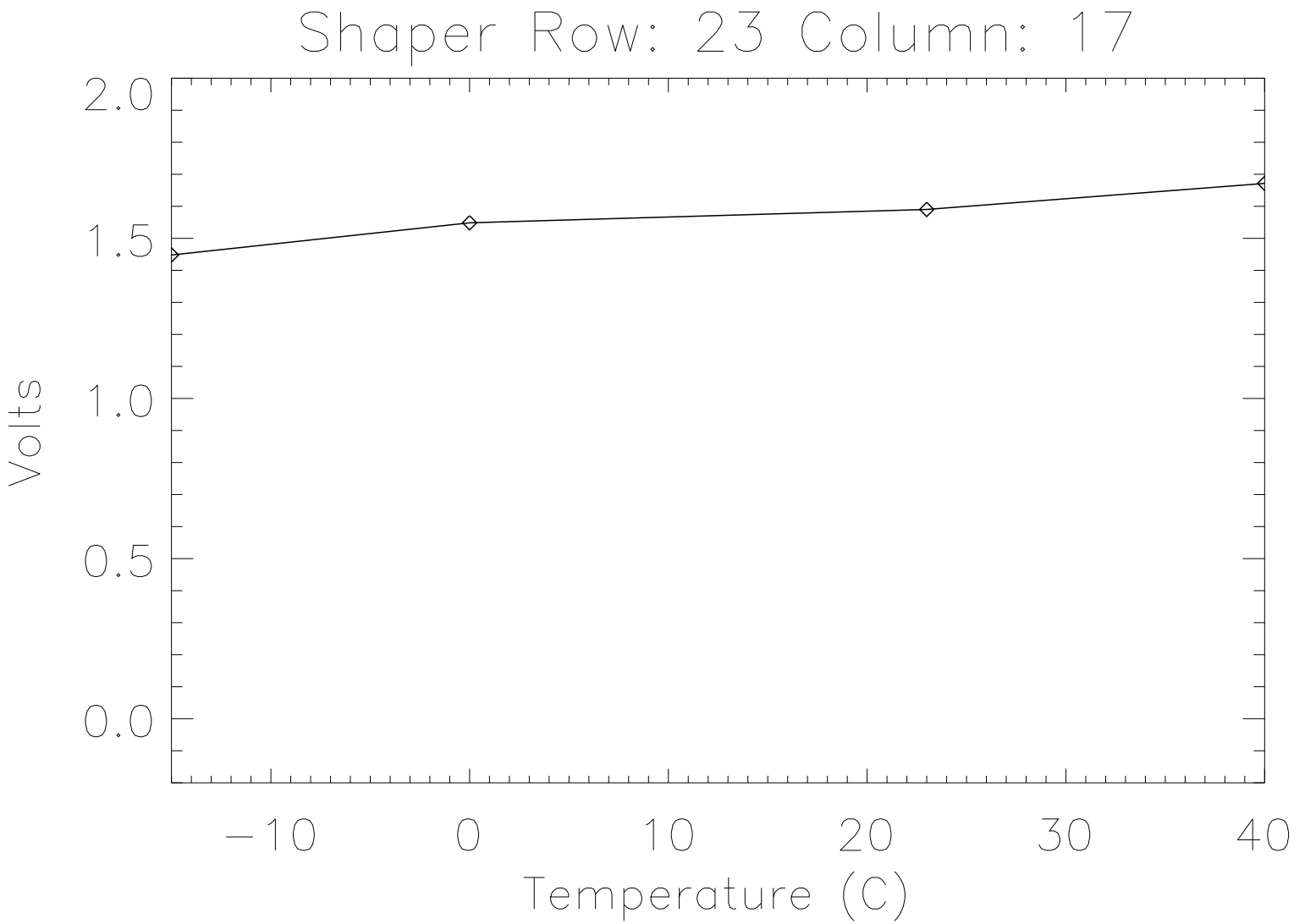
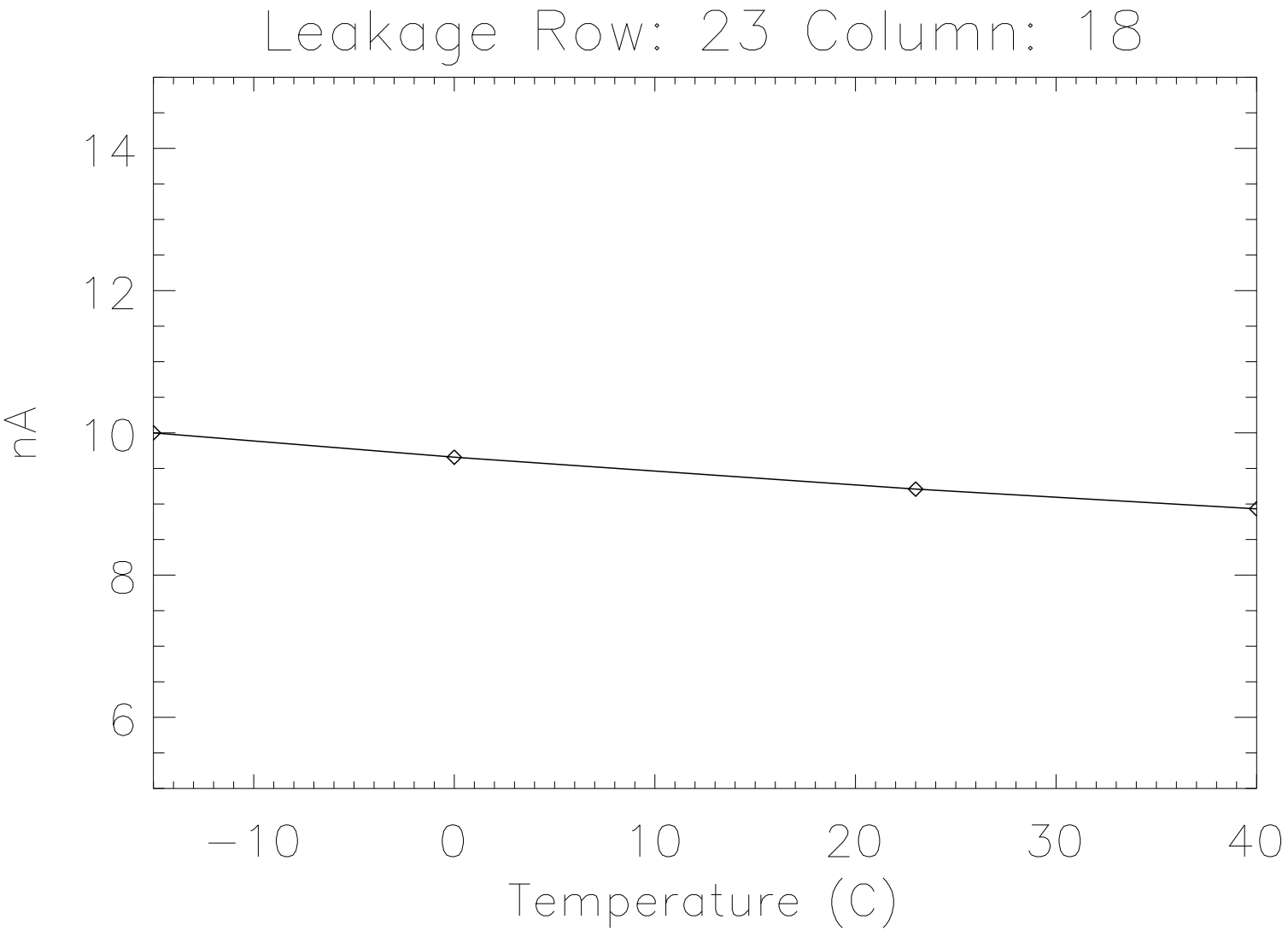
20
30
40
Temperature (C)


Shaper Row: 23 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 23 Column: 18
nA
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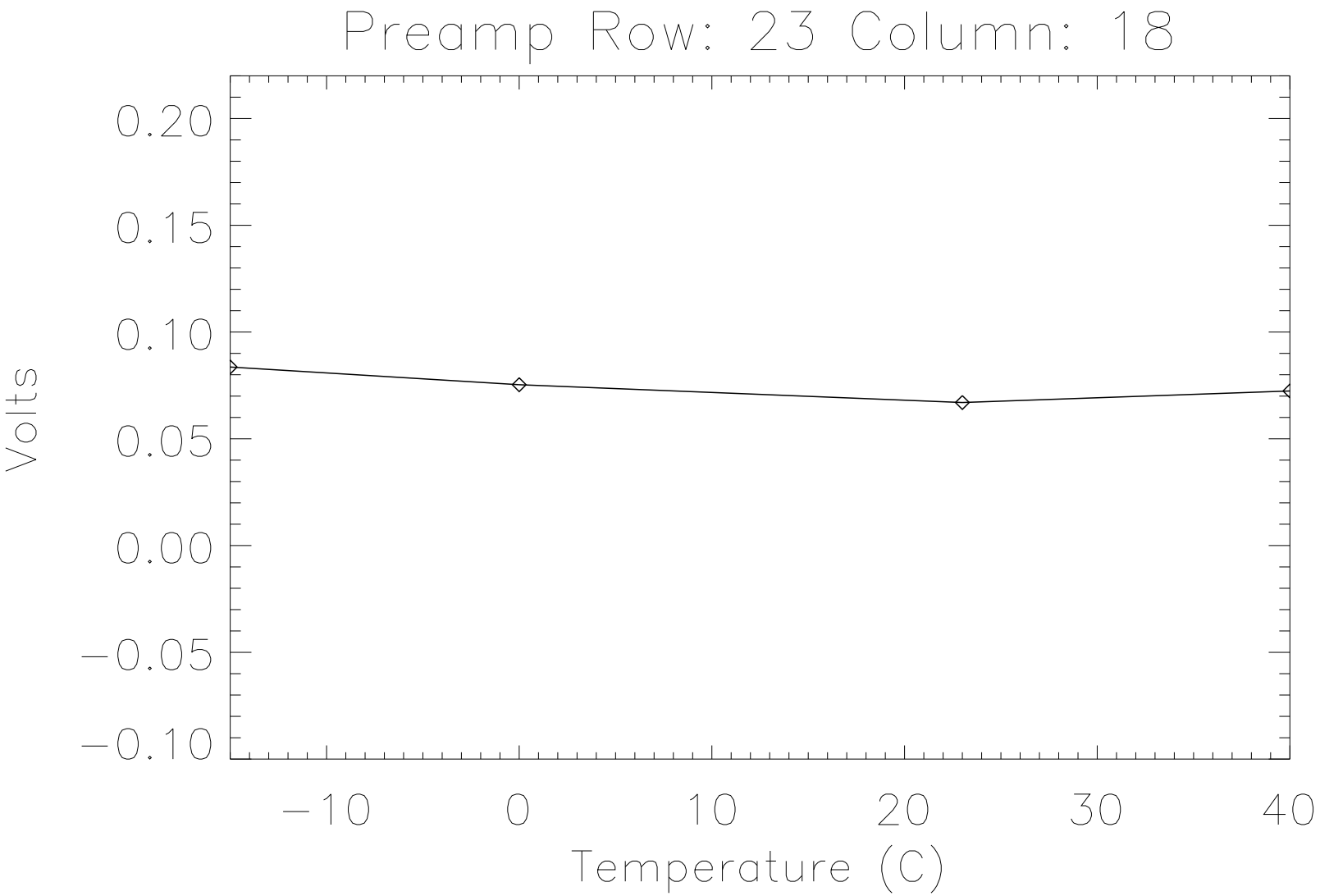
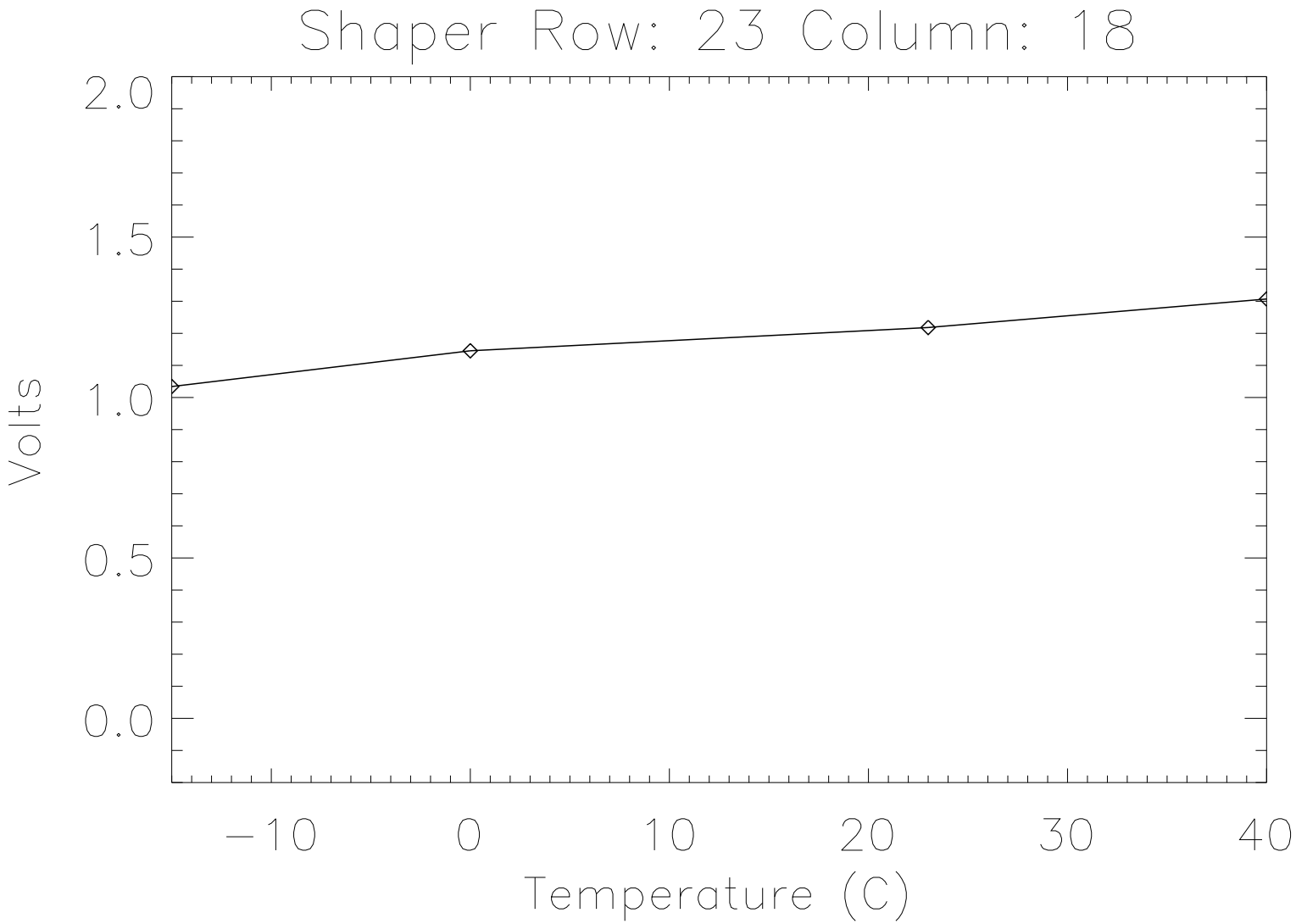
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 23 Column: 18
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1.5
1.0
0.5
0.0
Volts
−10
0
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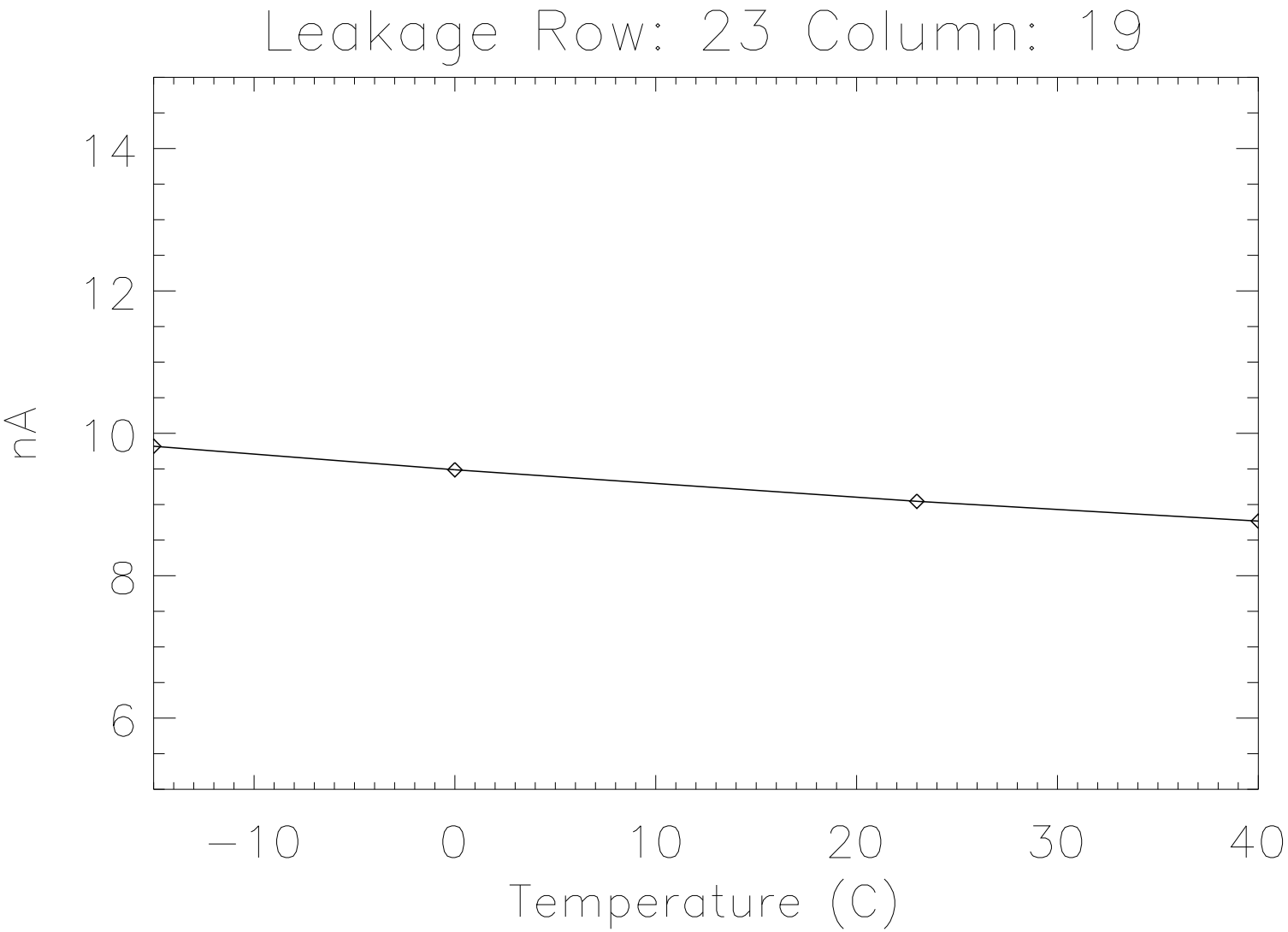
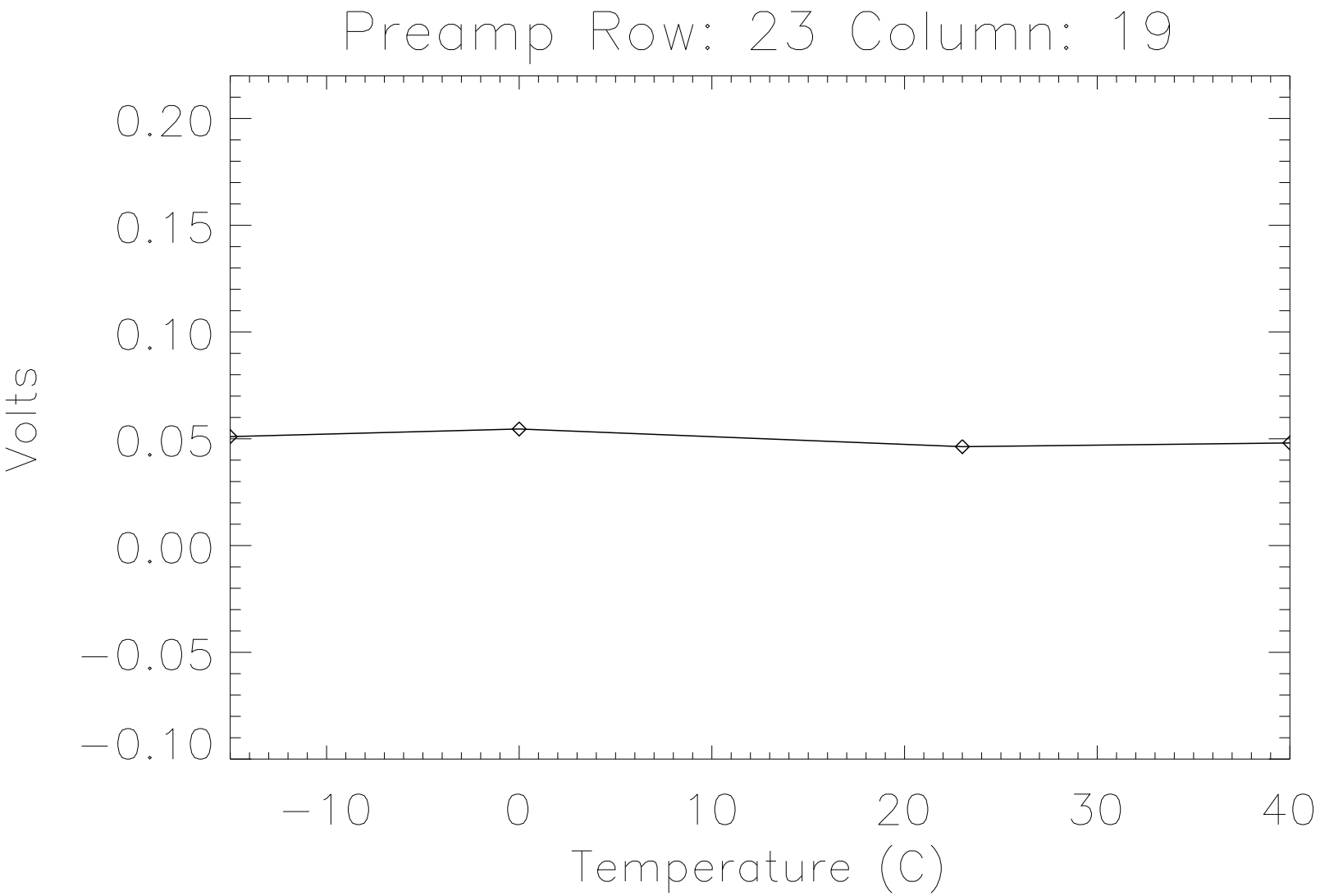
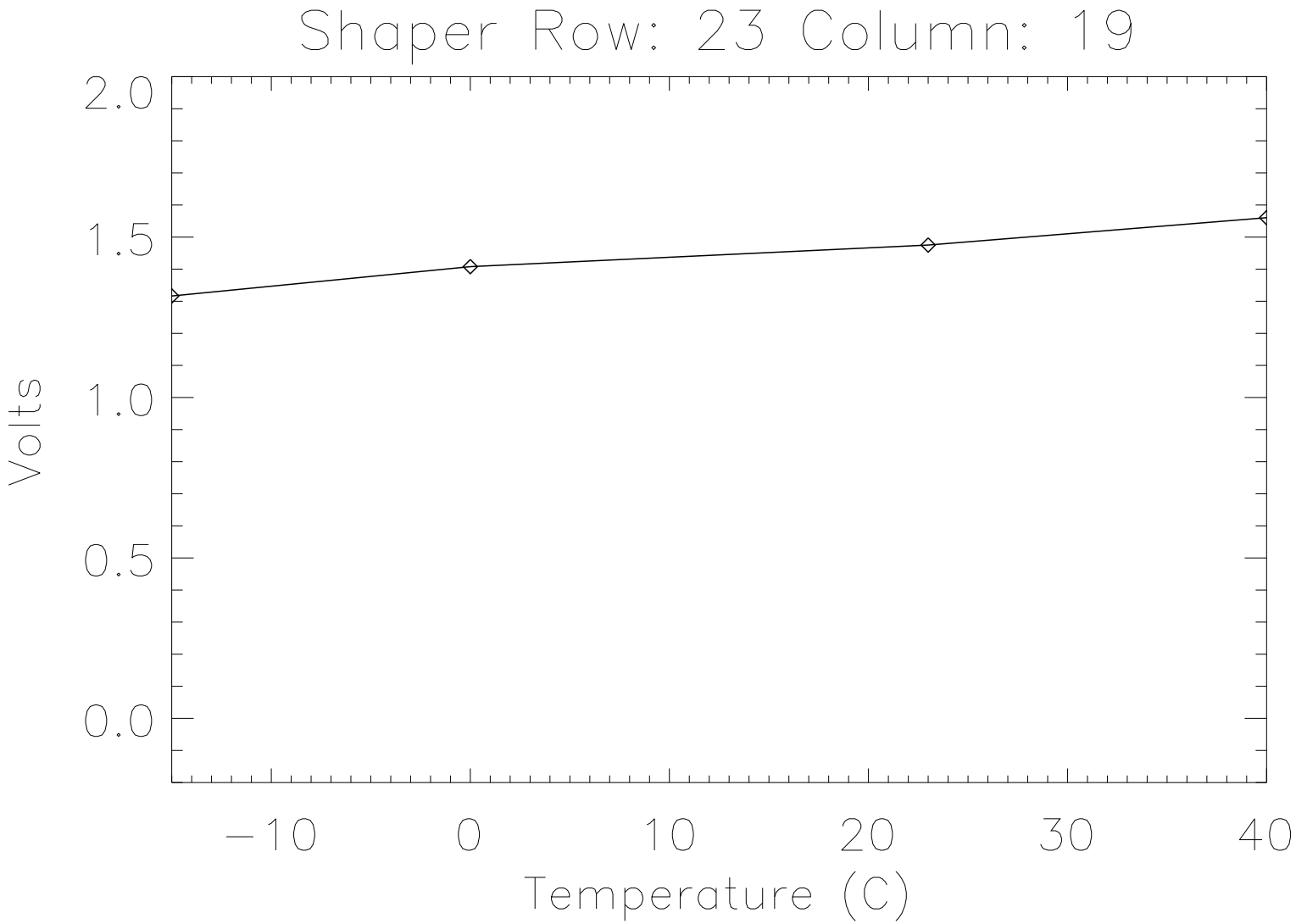
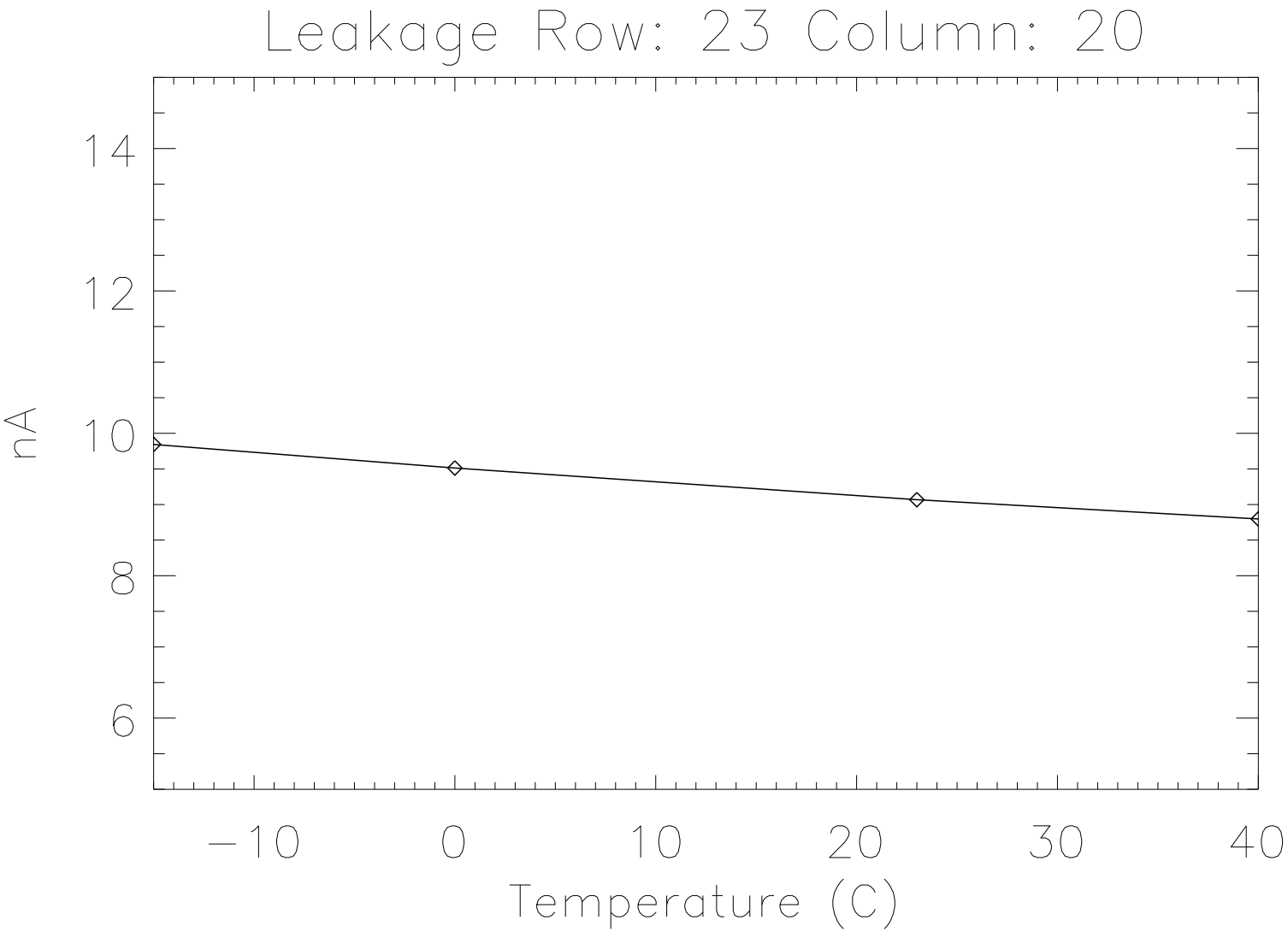
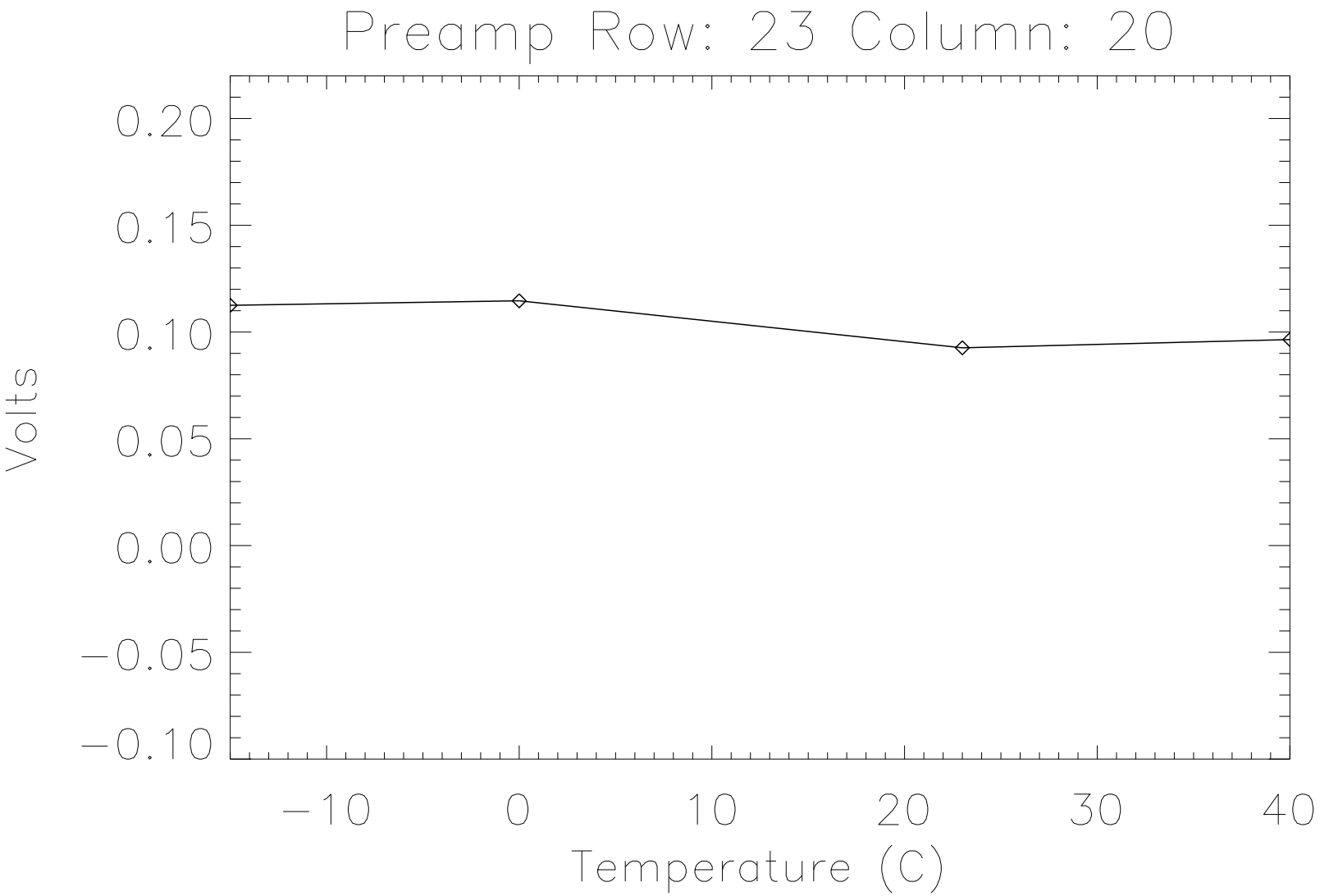
20
30
40
Temperature (C)


Leakage Row: 23 Column: 19
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 23 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 23 Column: 20
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)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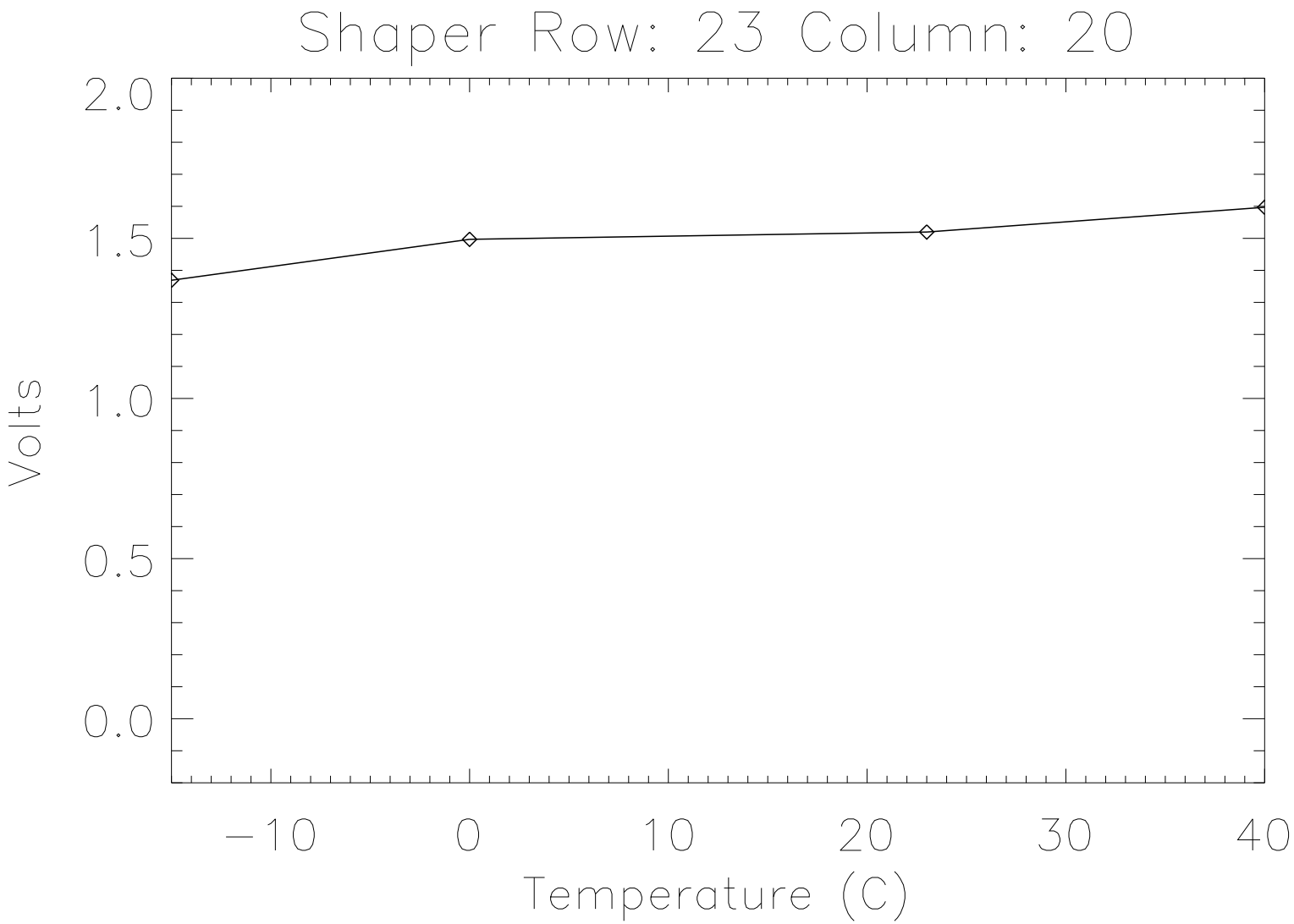
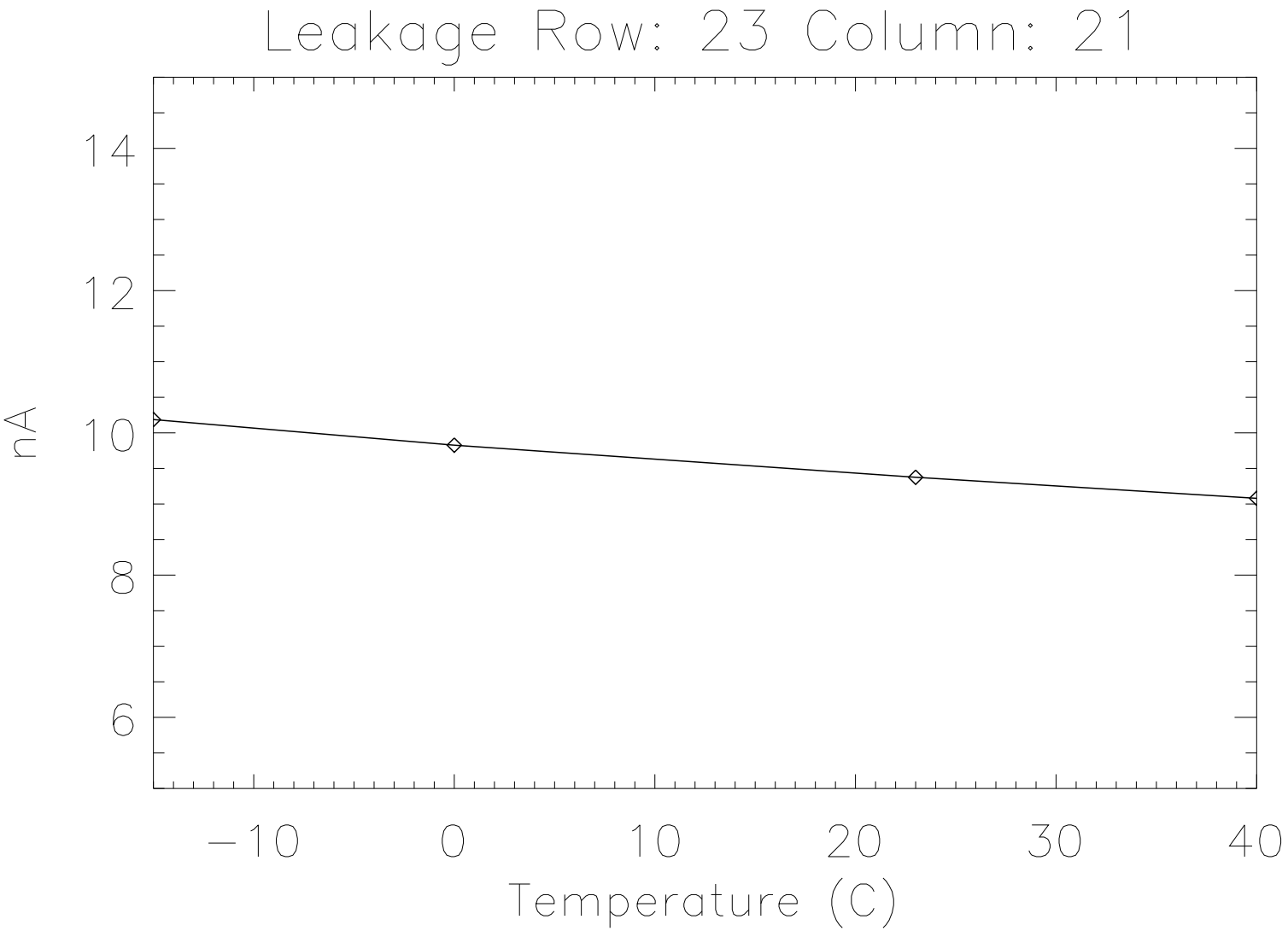
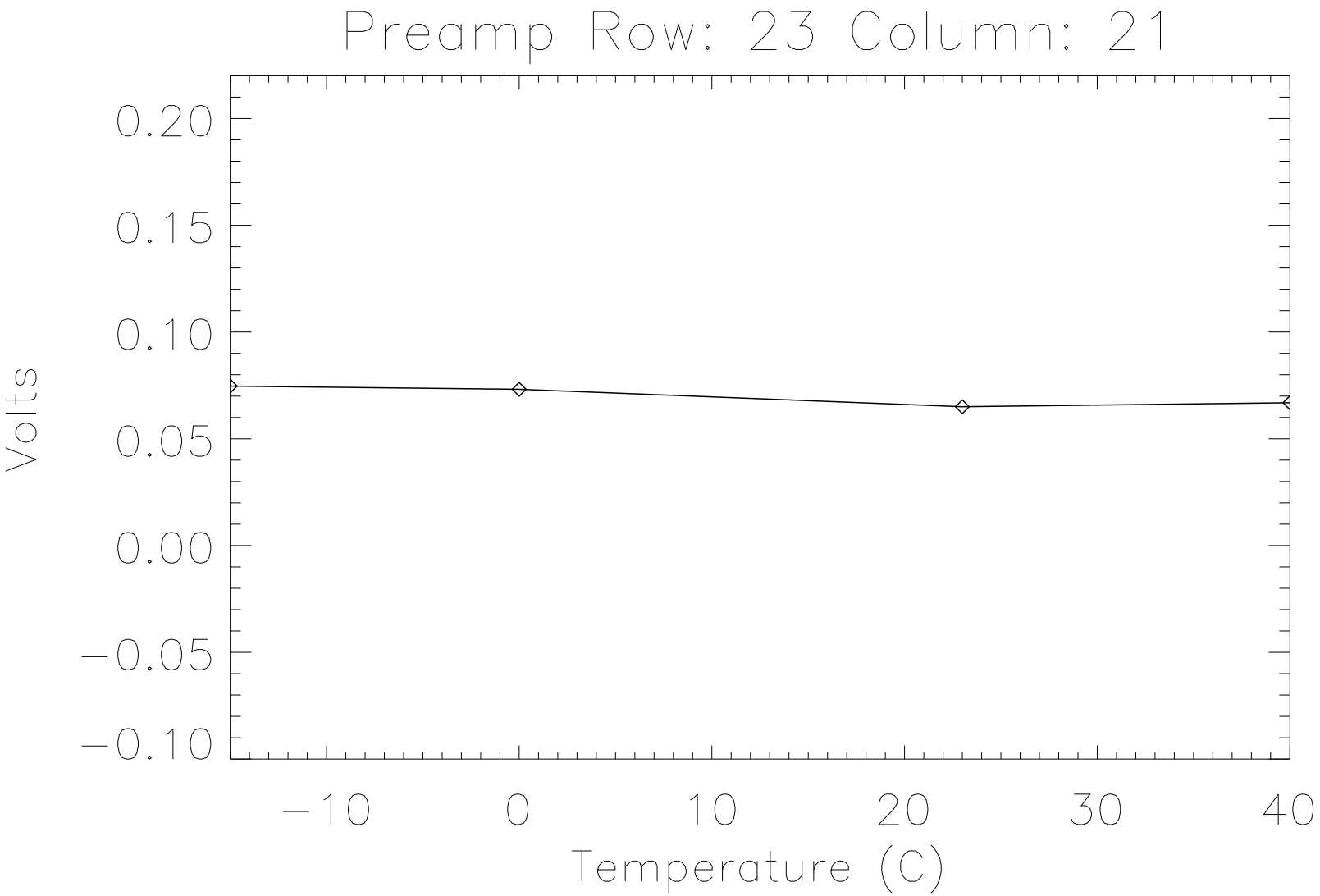
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 23 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 23 Column: 21
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 21
0.20
0.15
0.10
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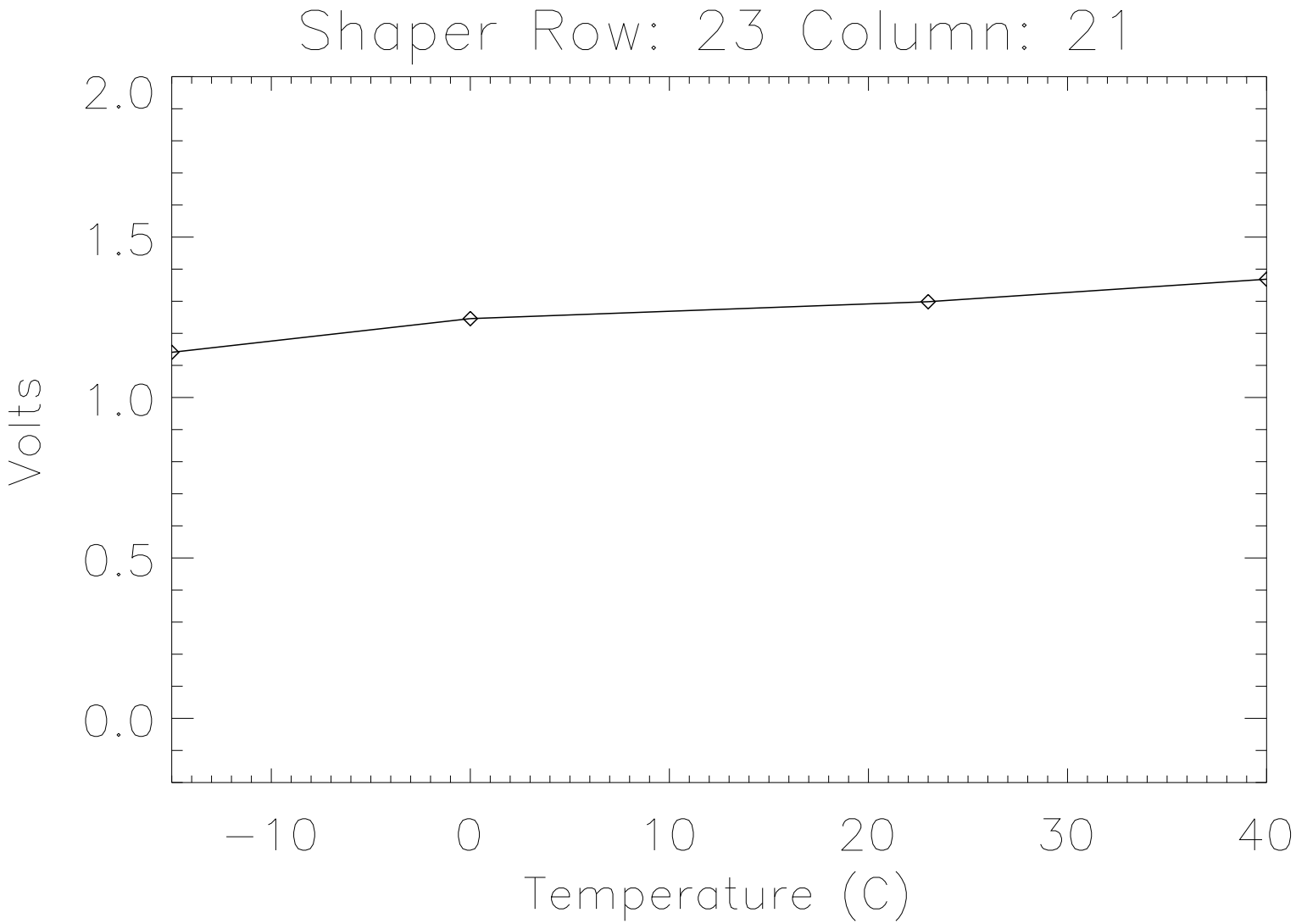
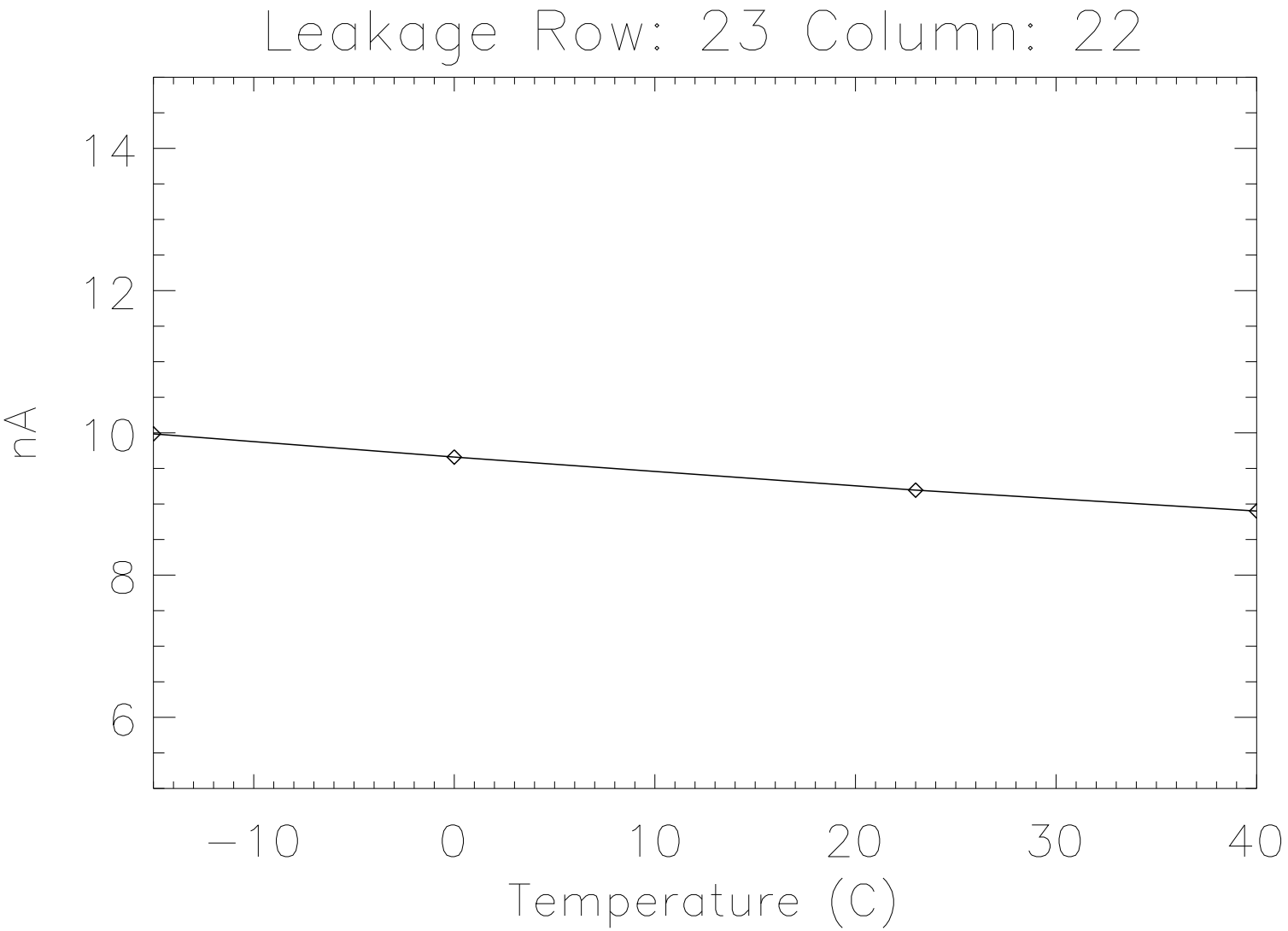
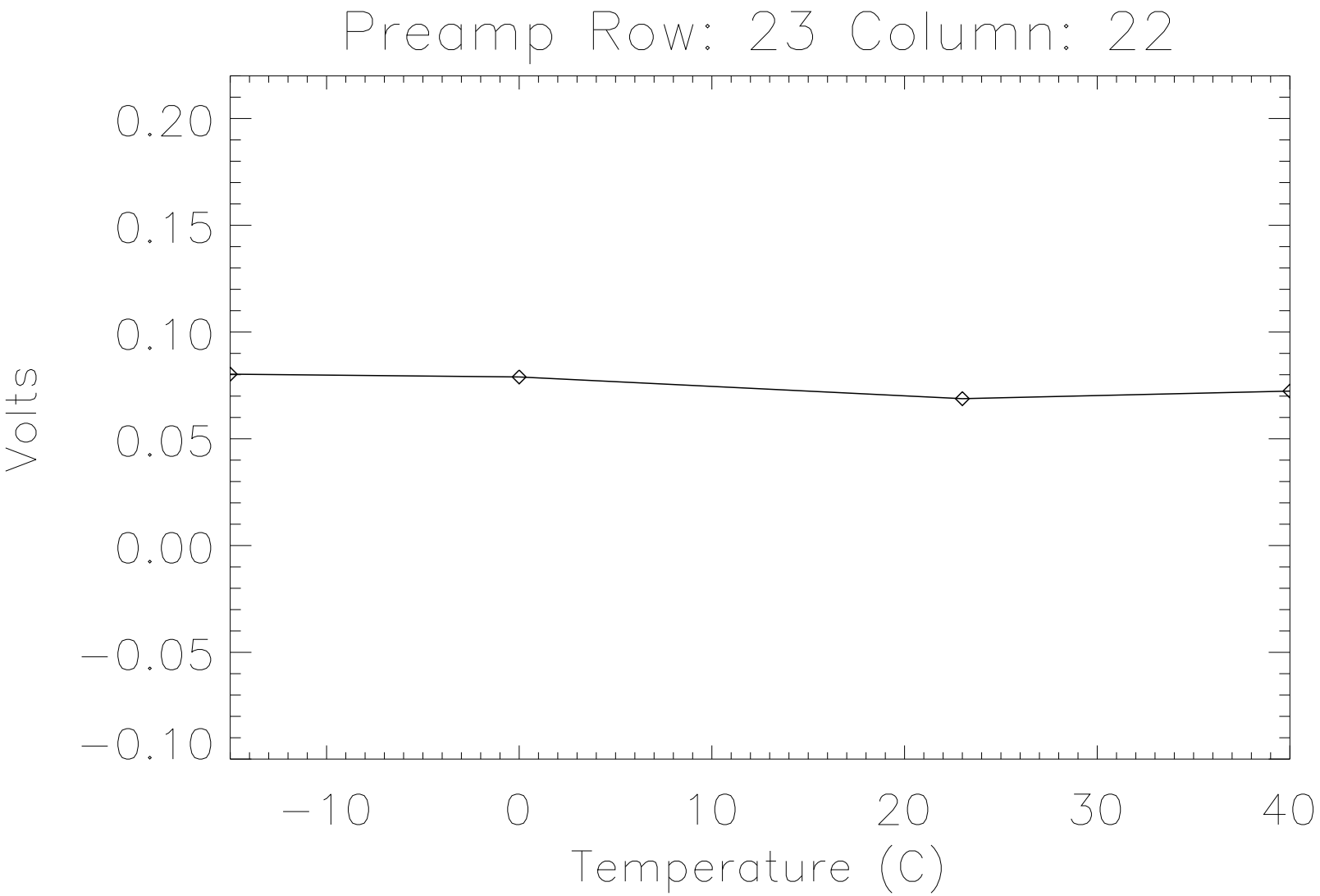
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 23 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 23 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)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0.20
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0.10
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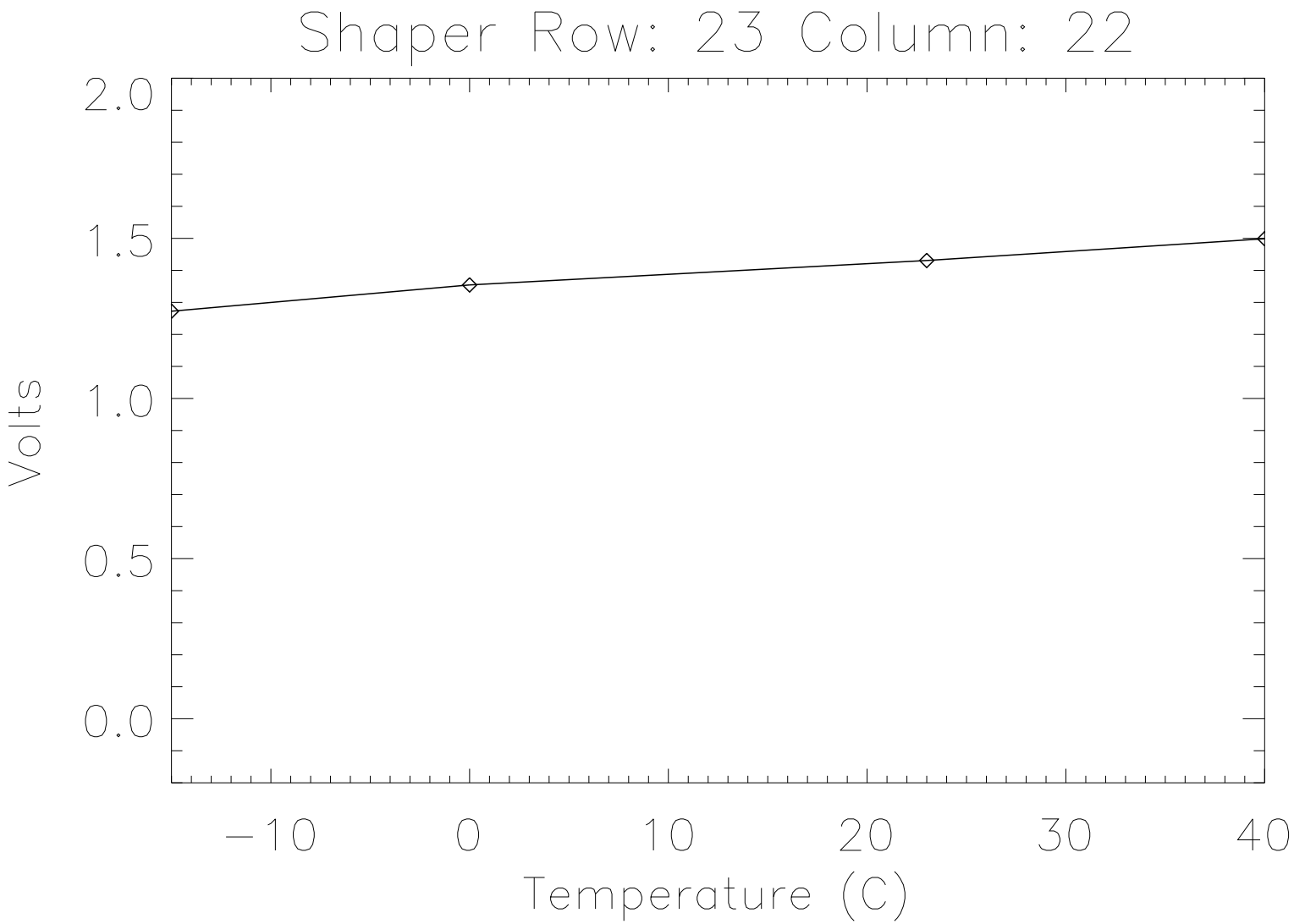
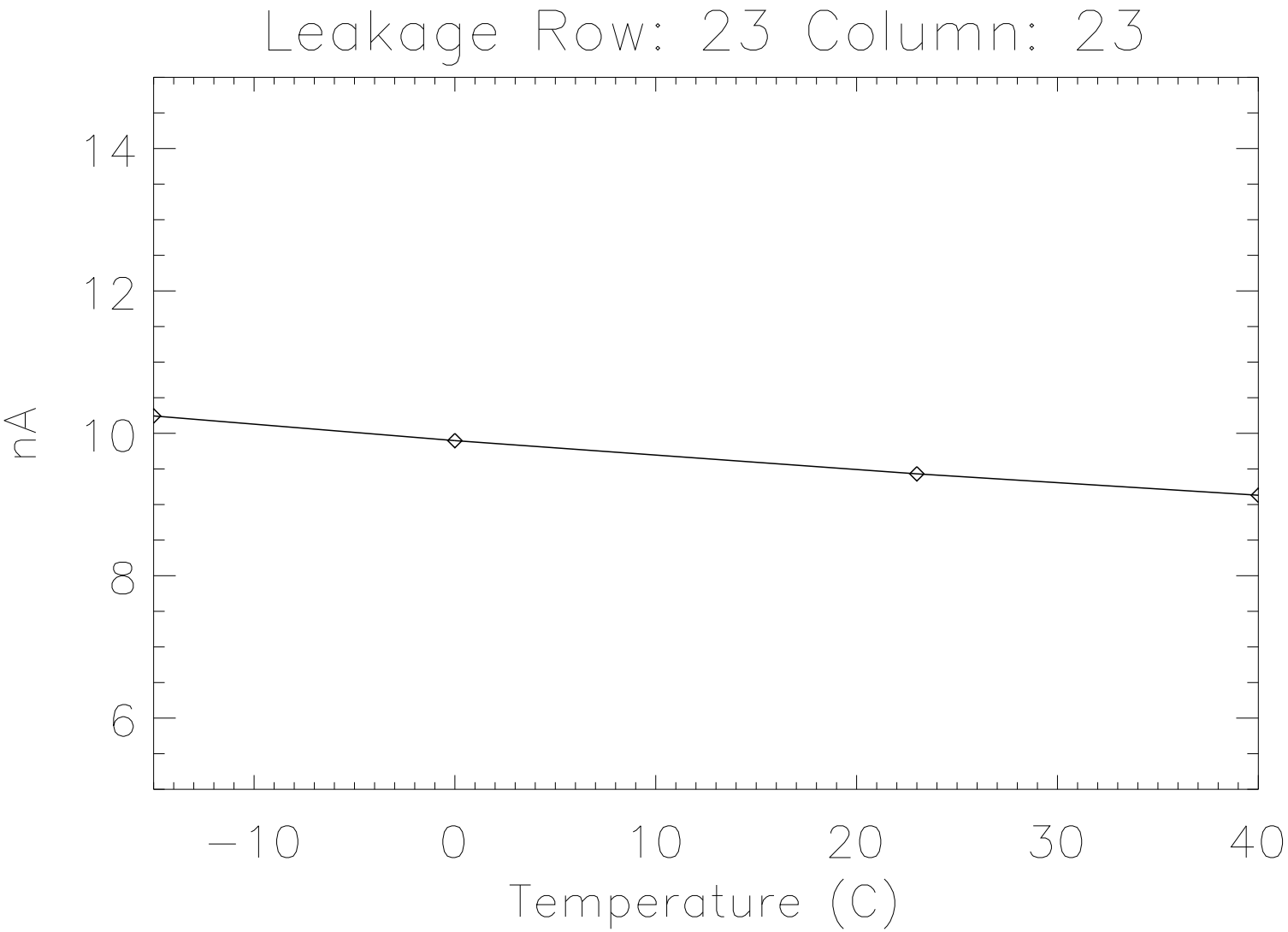
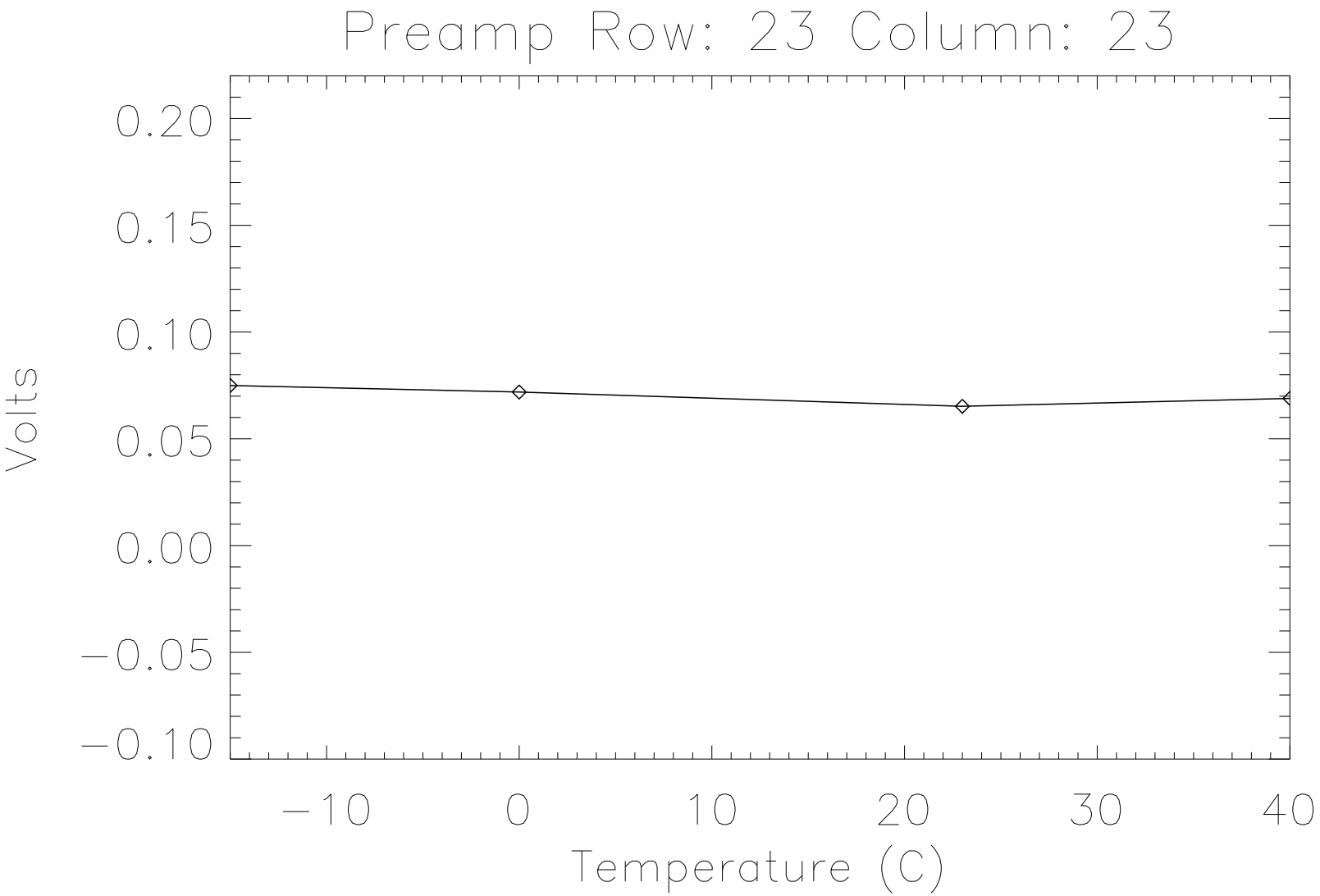
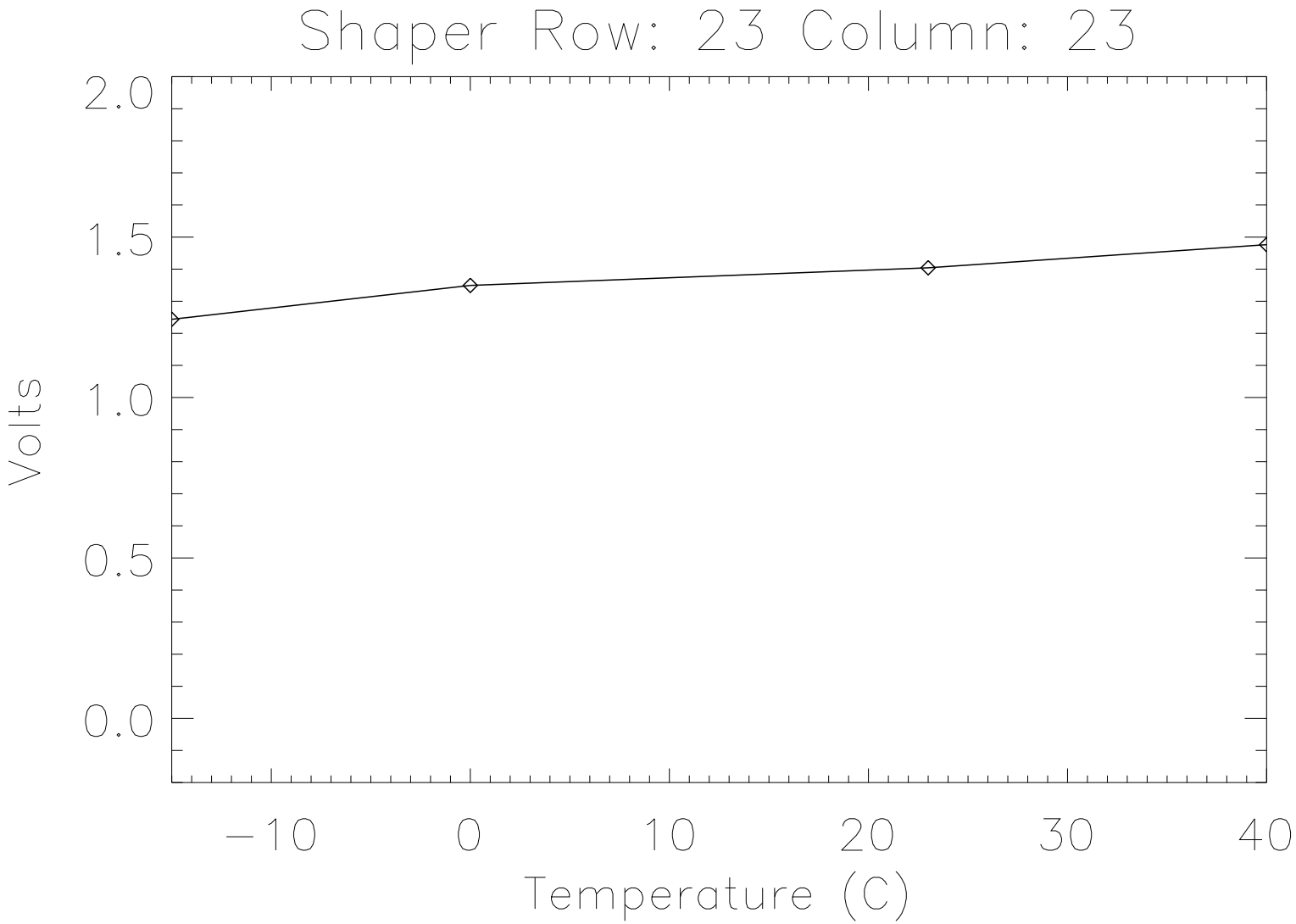
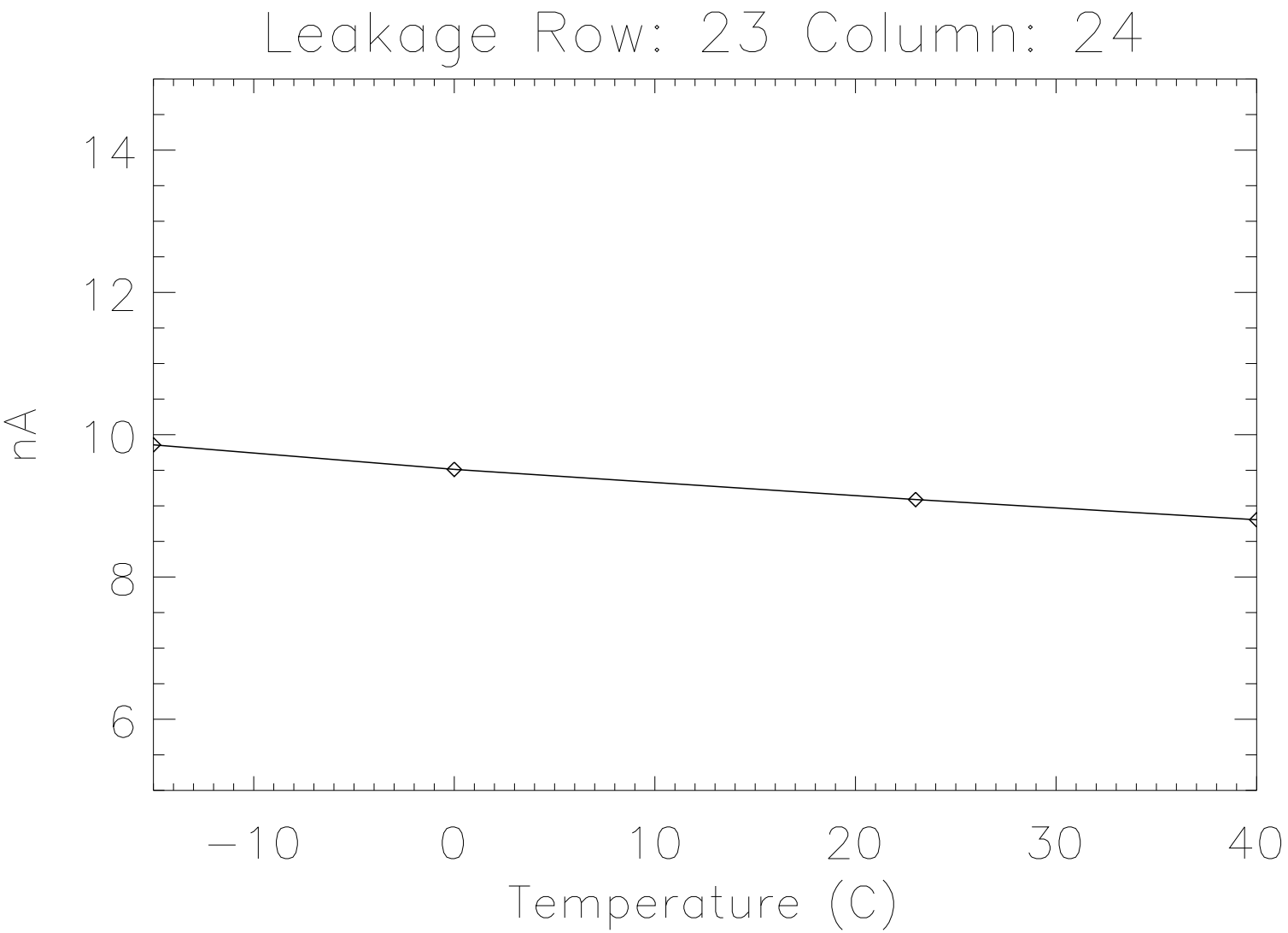
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

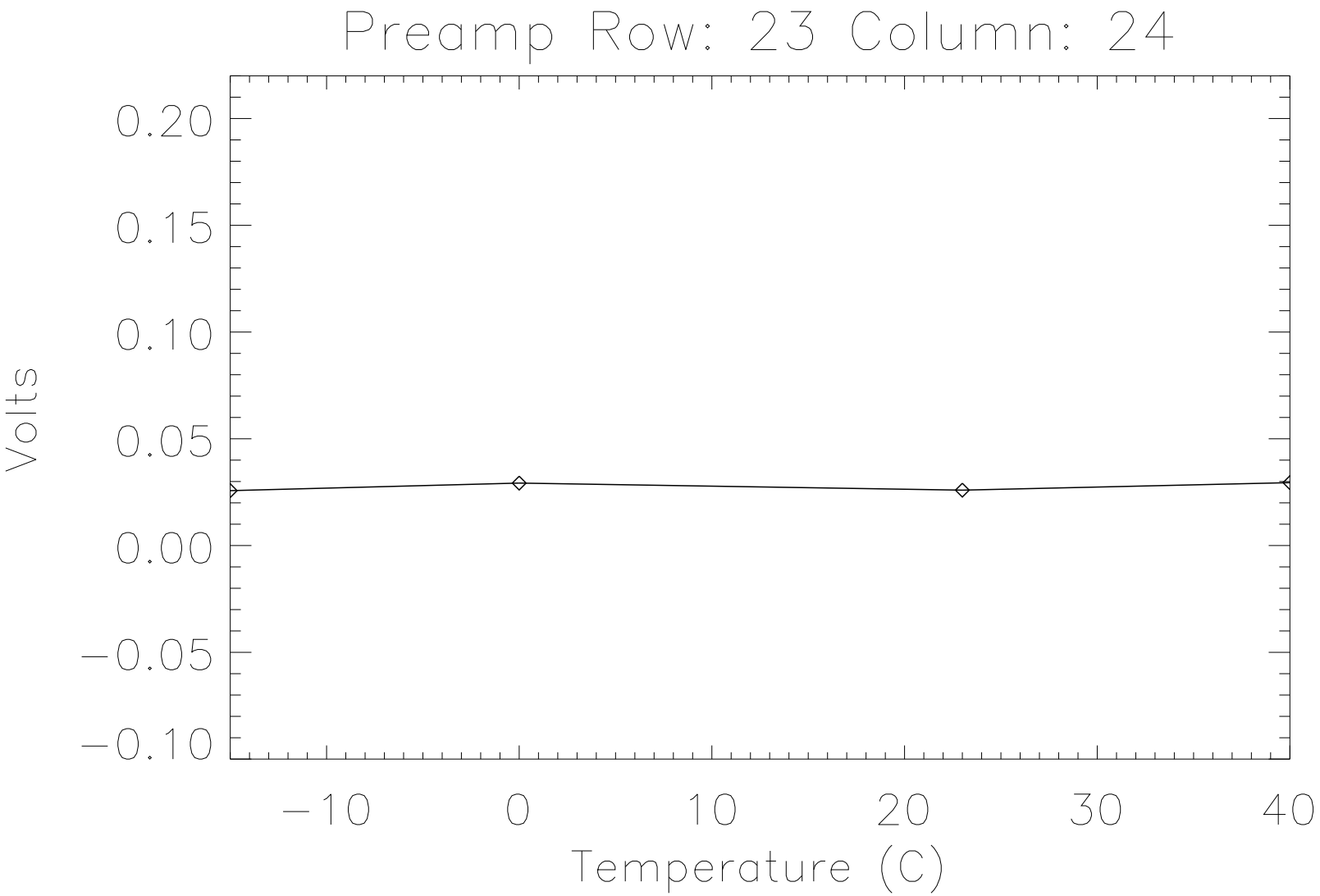

Shaper Row: 23 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

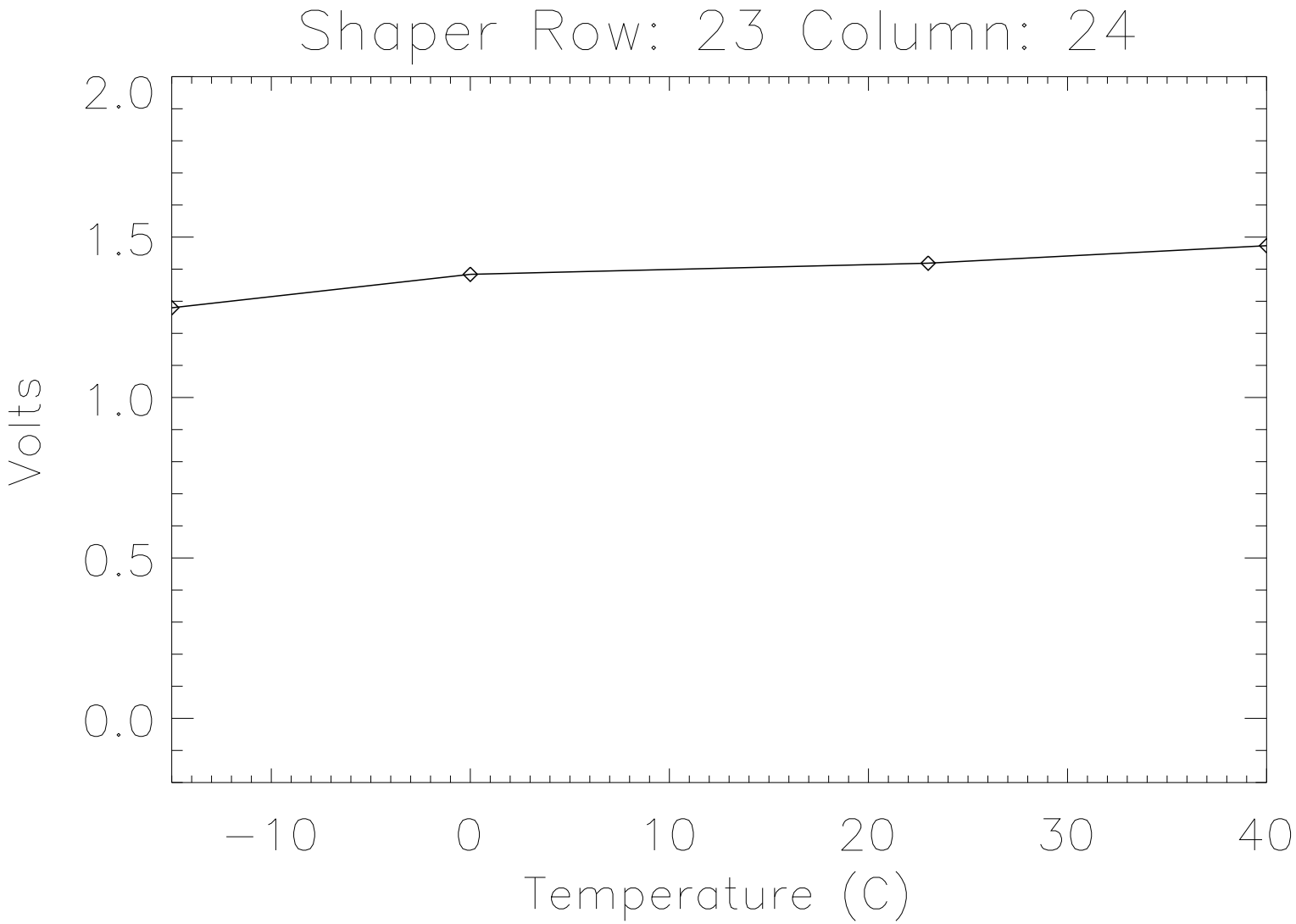

Leakage Row: 23 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

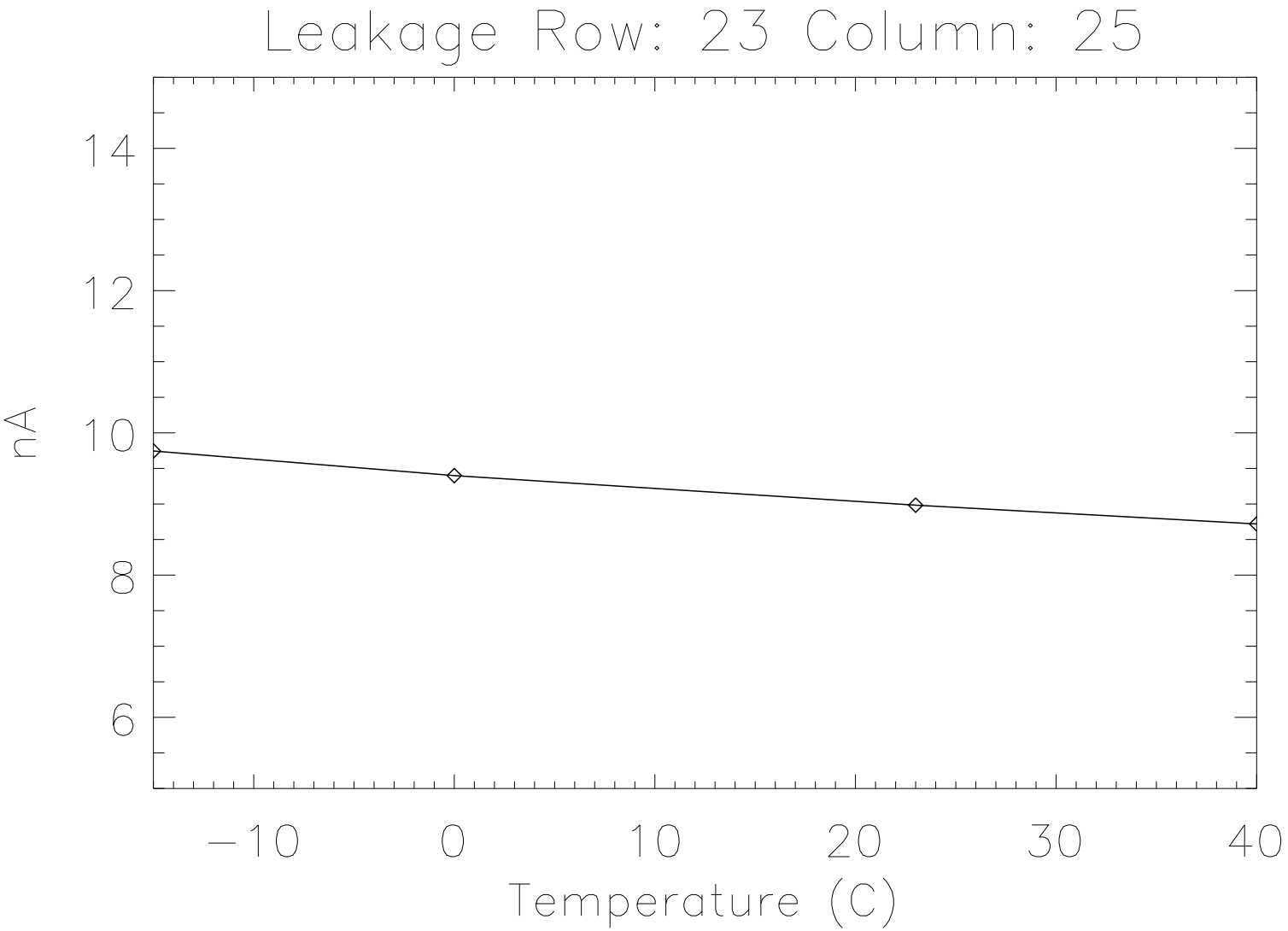

Preamp Row: 23 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

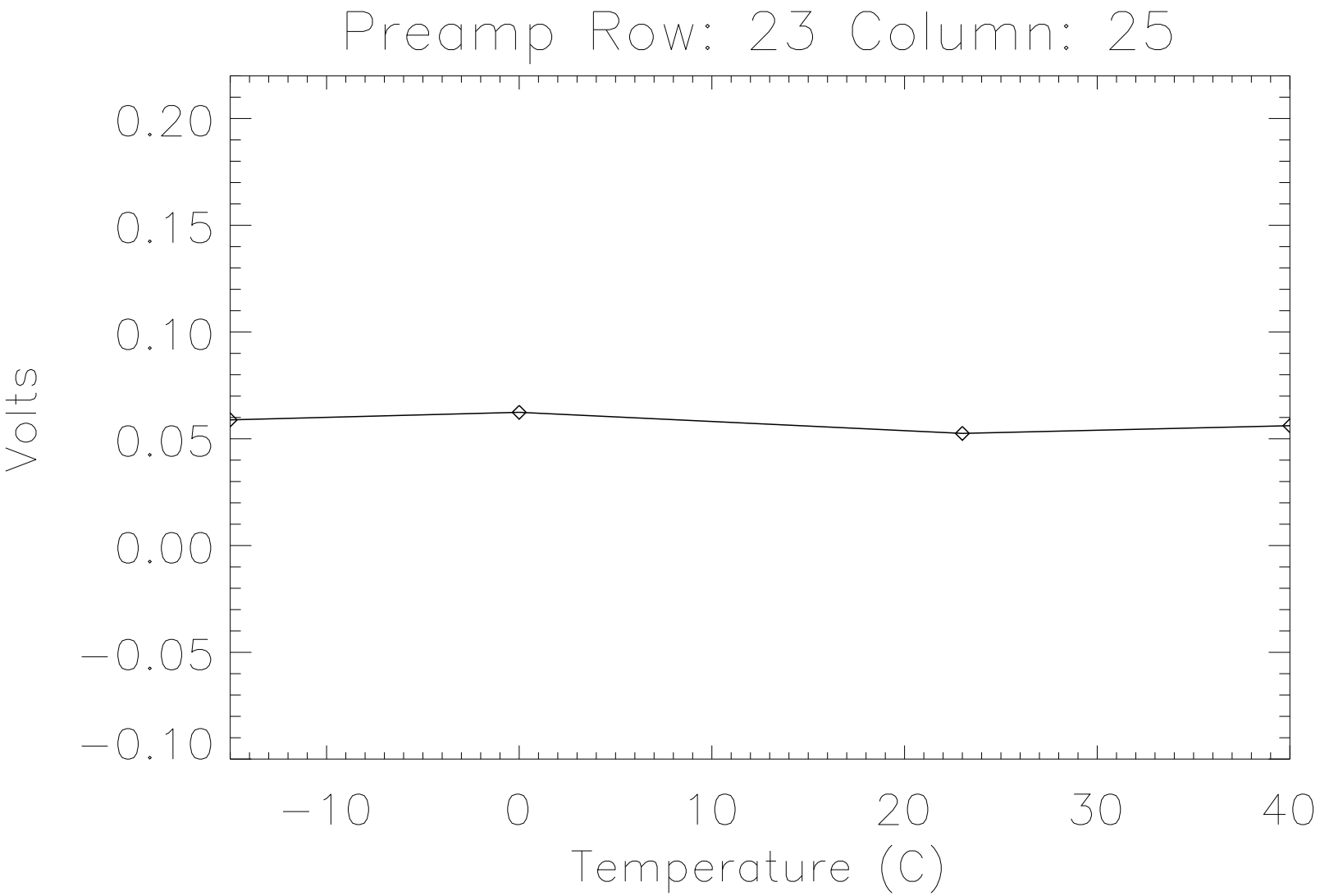

Shaper Row: 23 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

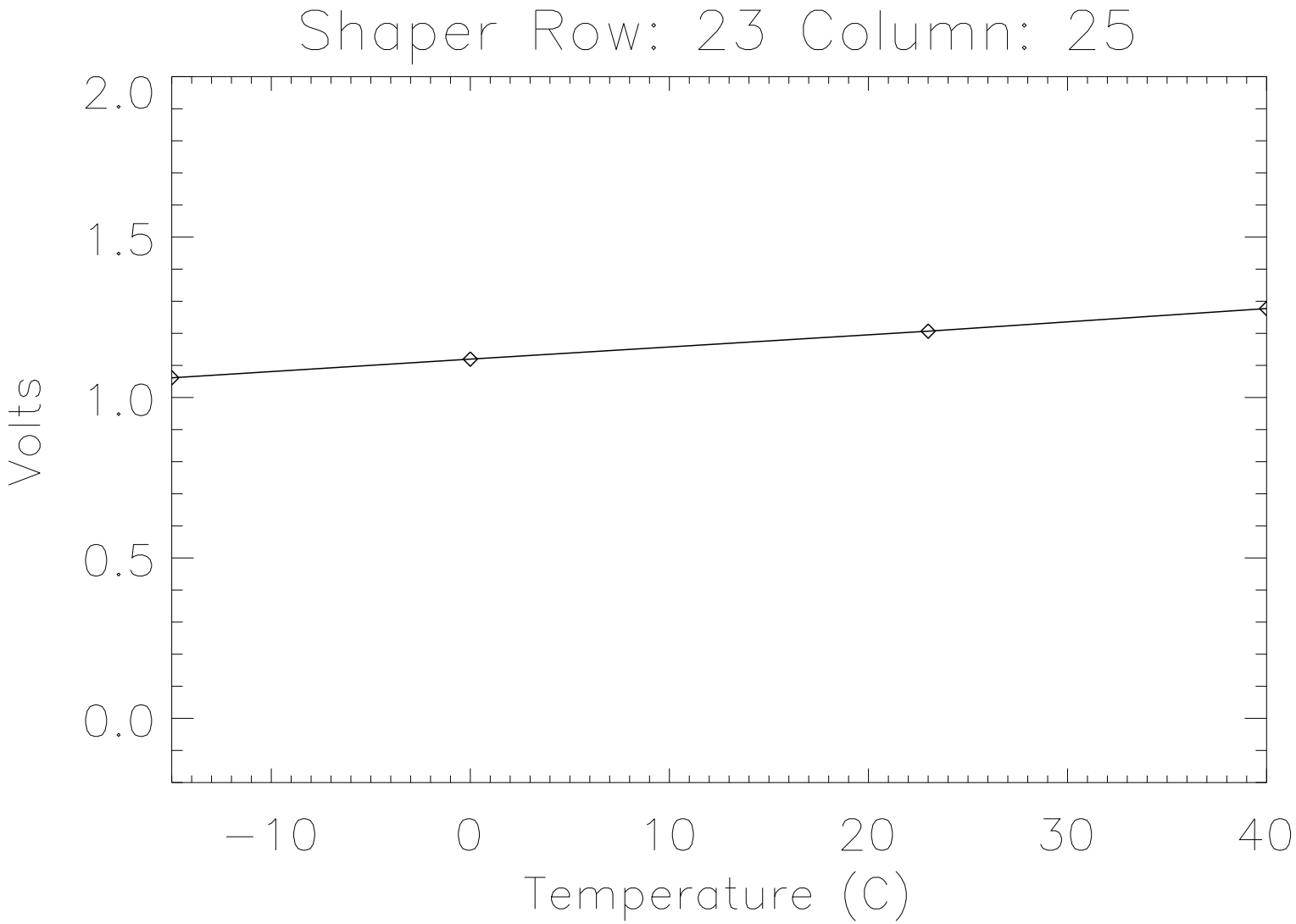

Leakage Row: 23 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

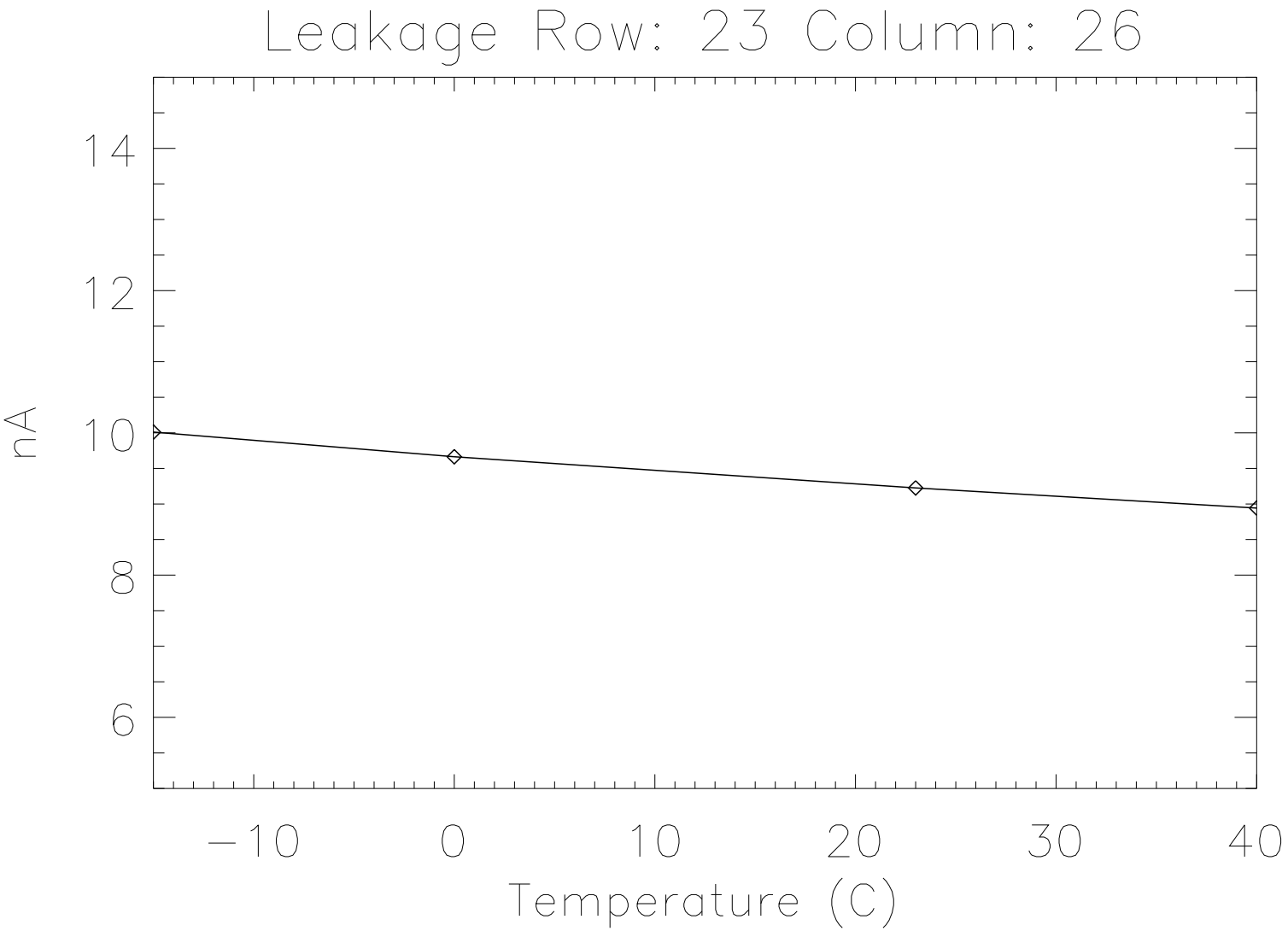

Preamp Row: 23 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

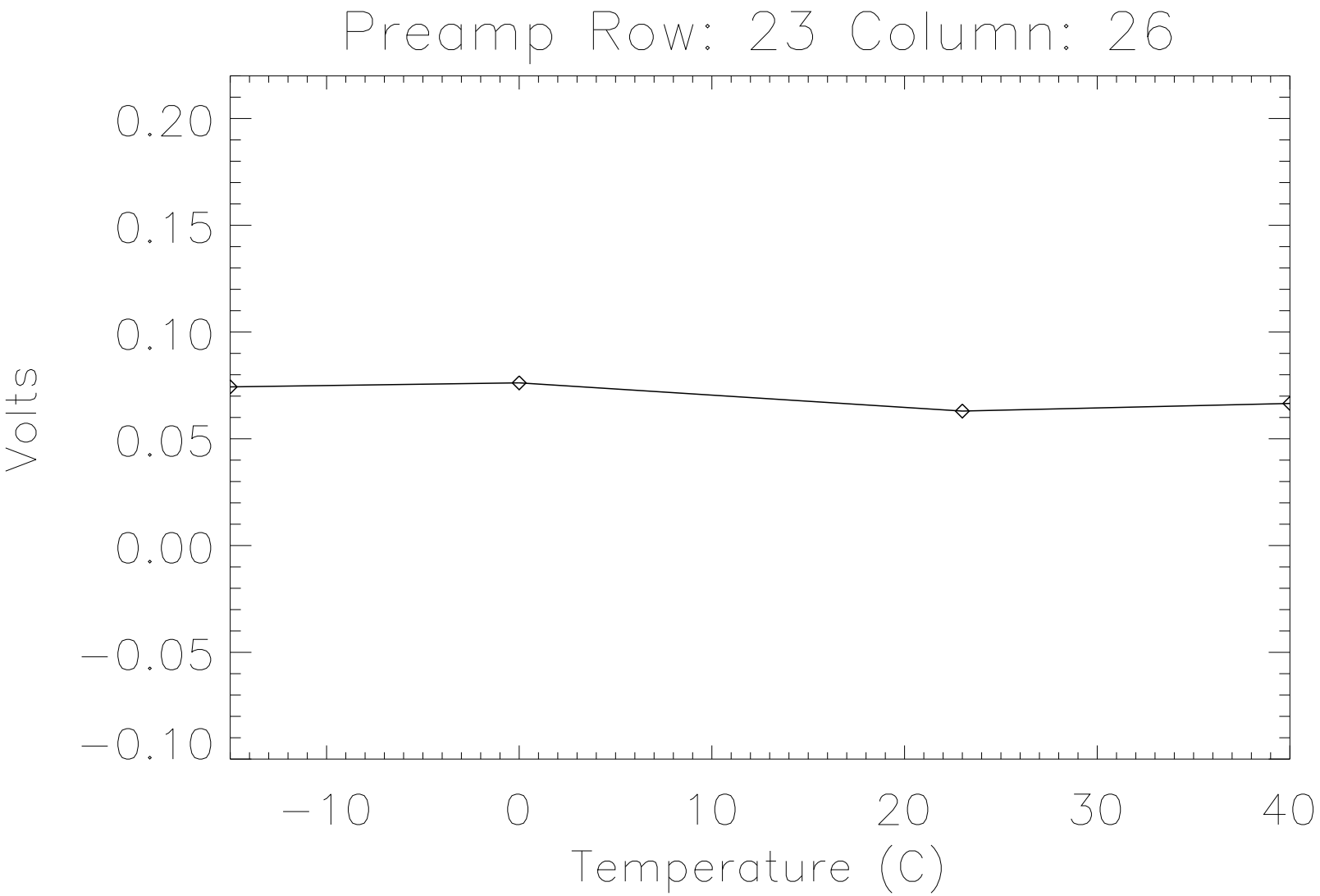

Shaper Row: 23 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

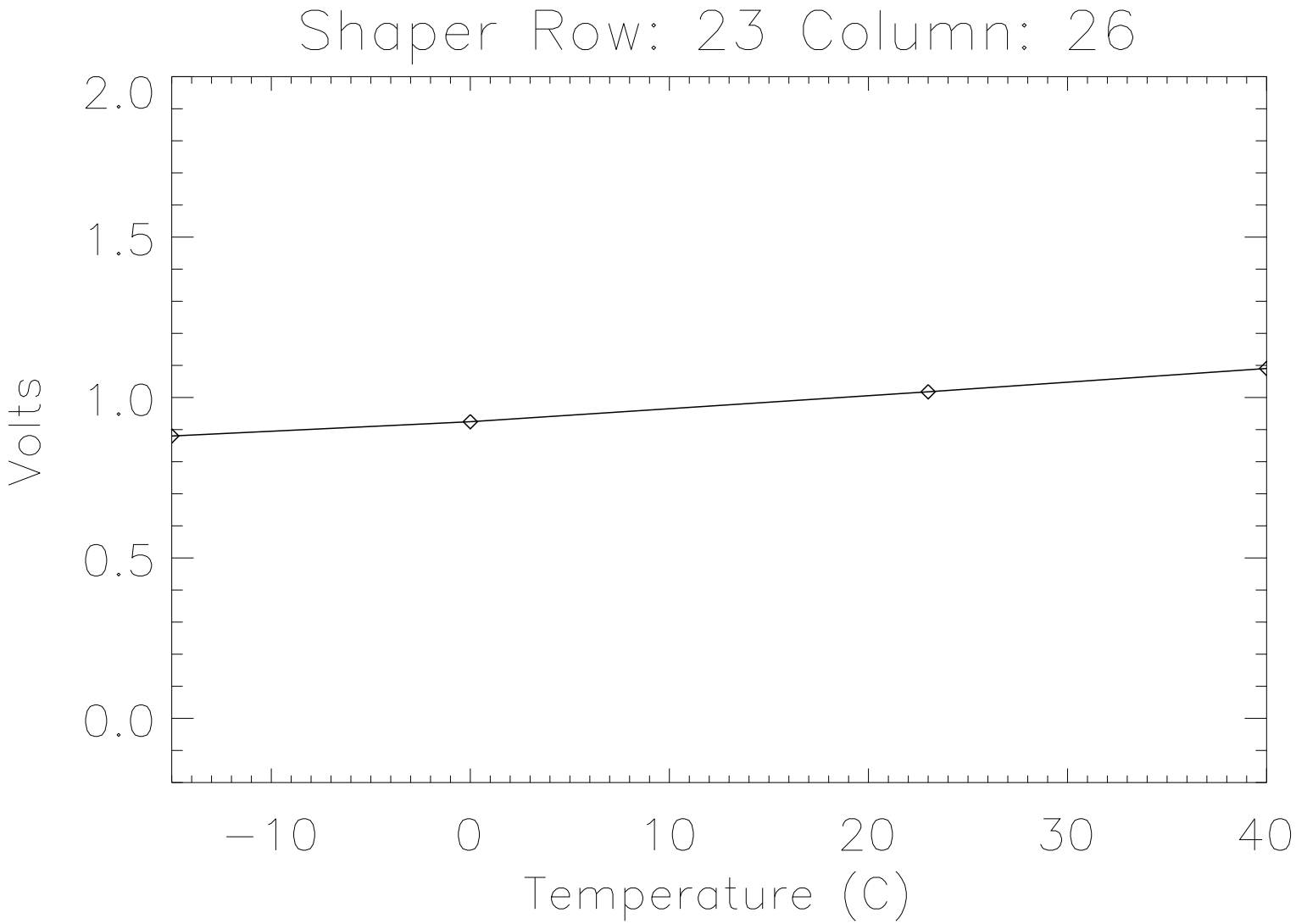

Leakage Row: 23 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 23 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 23 Column: 26
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 23 Column: 26
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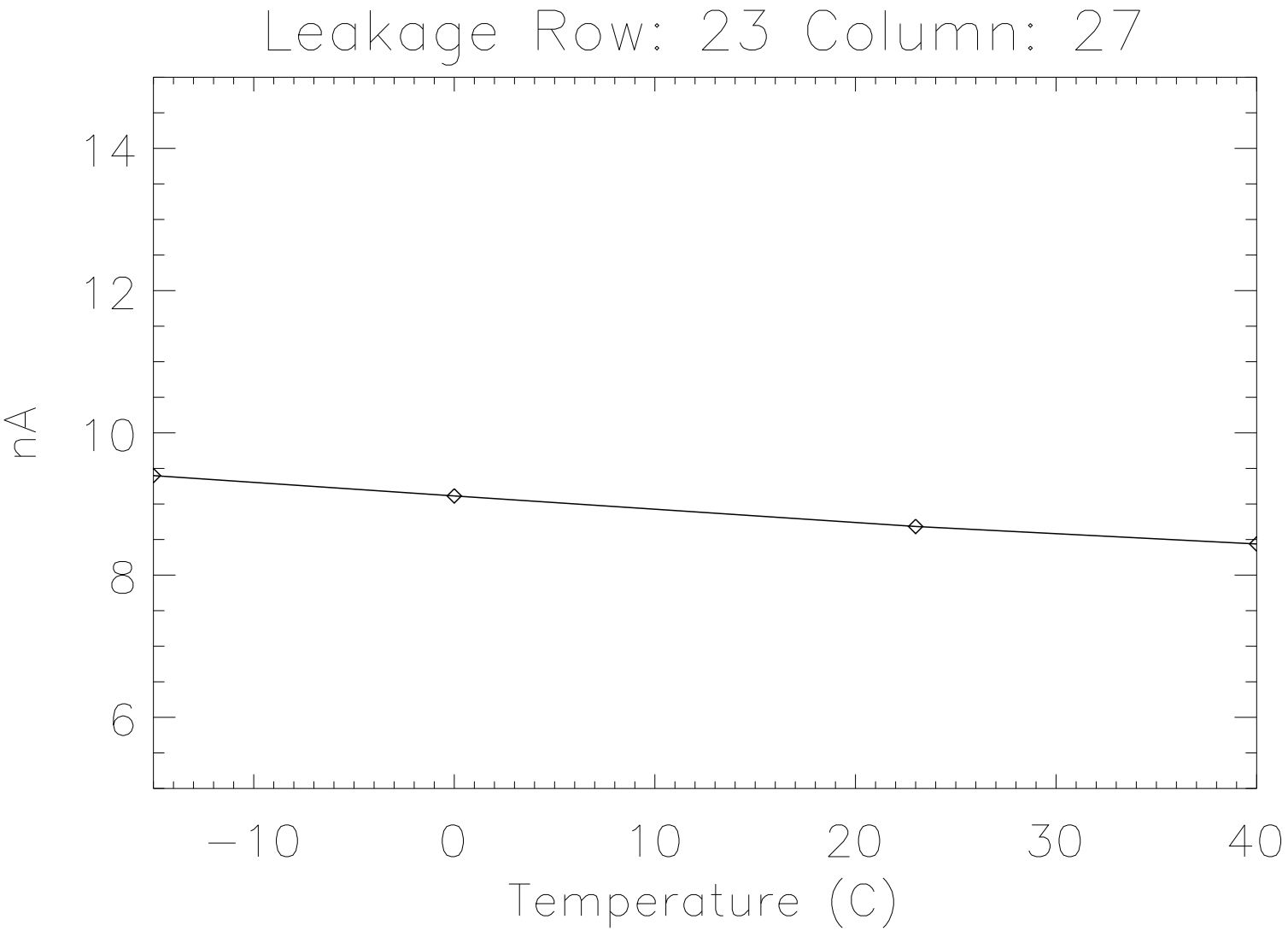
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 23 Column: 27
14
12
10
8
6
nA
−10
0
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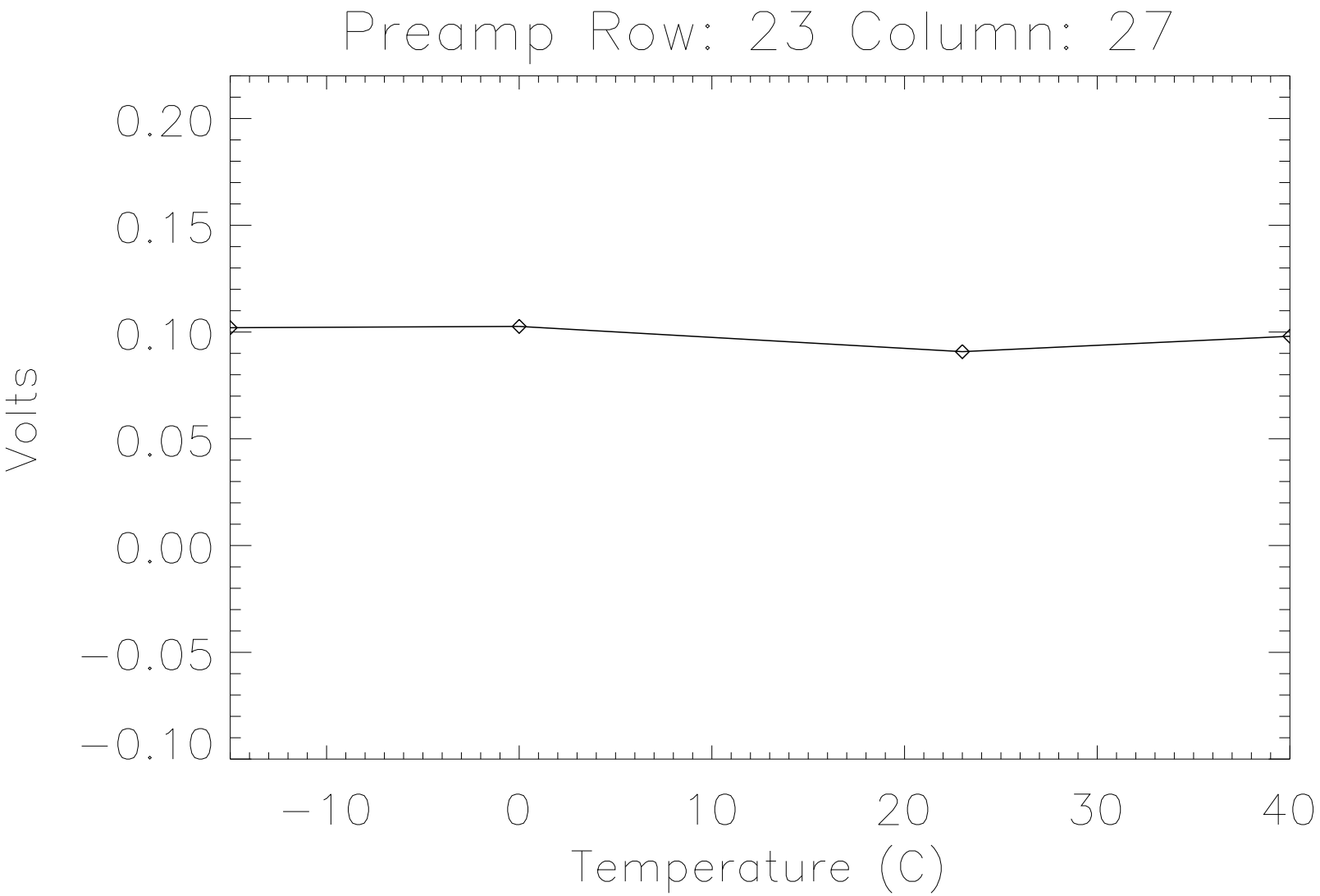
20
30
40
Temperature (C)


Preamp Row: 23 Column: 27
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Volts
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0
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30
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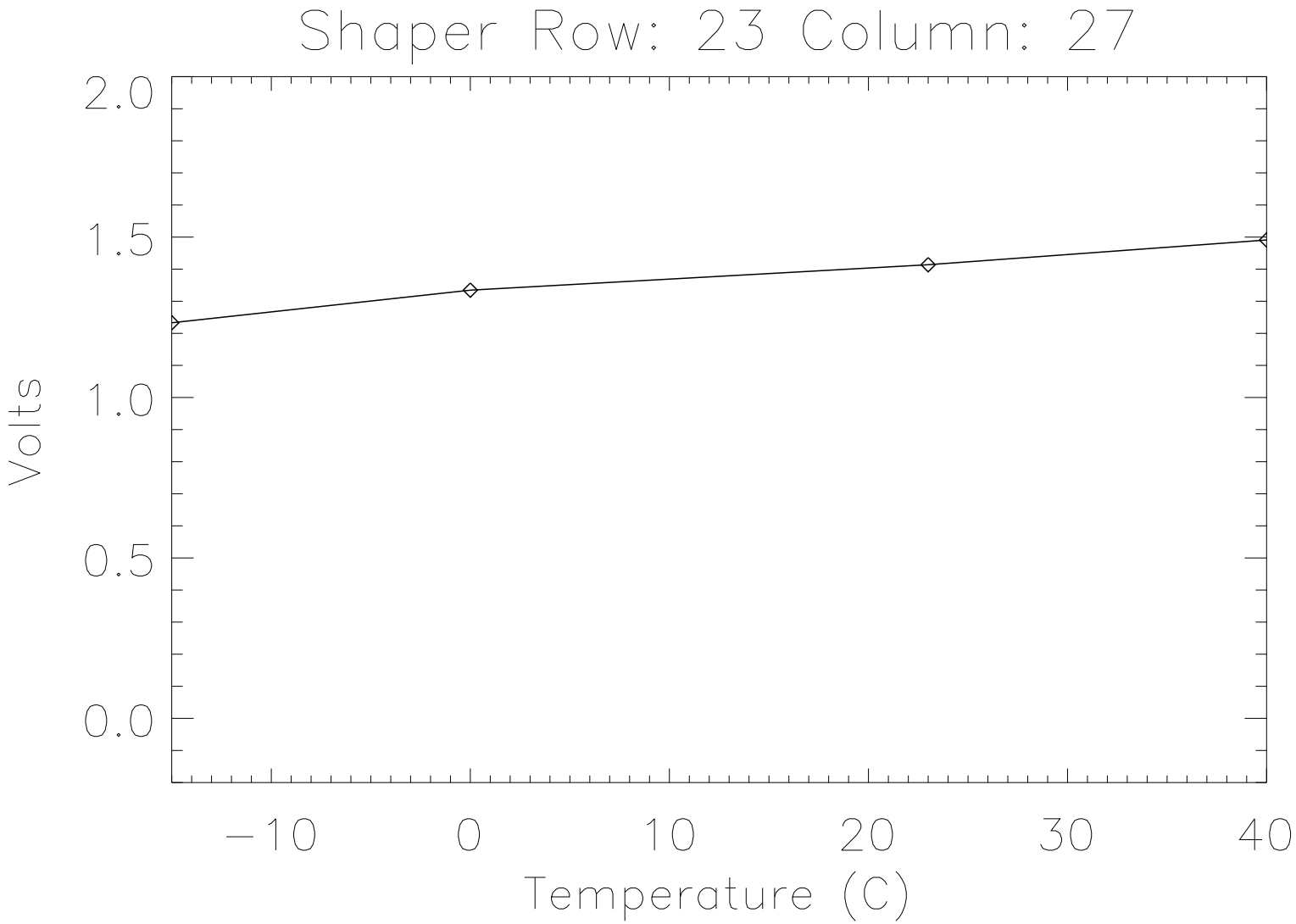
Temperature (C)


Shaper Row: 23 Column: 27
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1.0
0.5
0.0
Volts
−10
0
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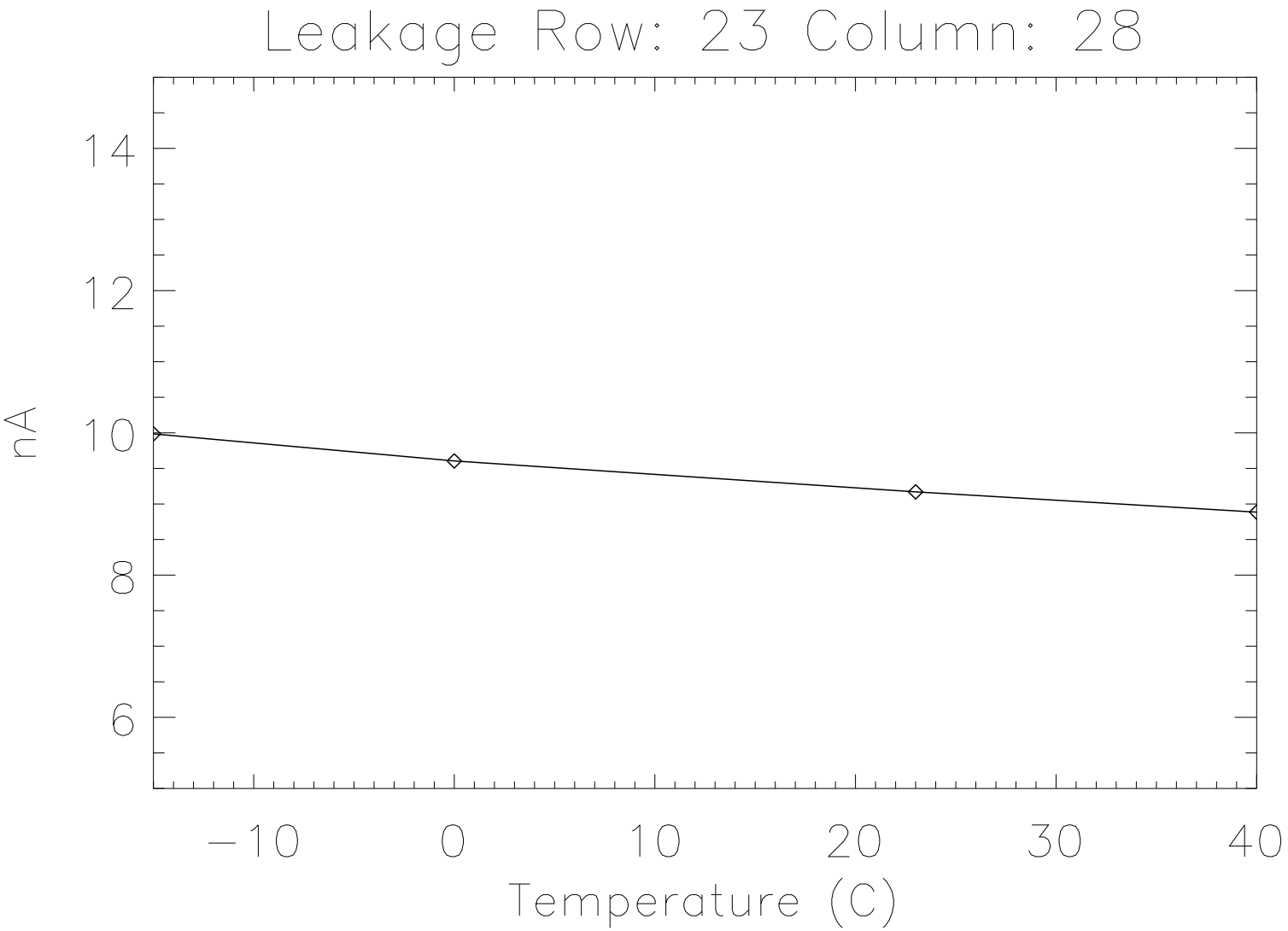
20
30
40
Temperature (C)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nA
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12
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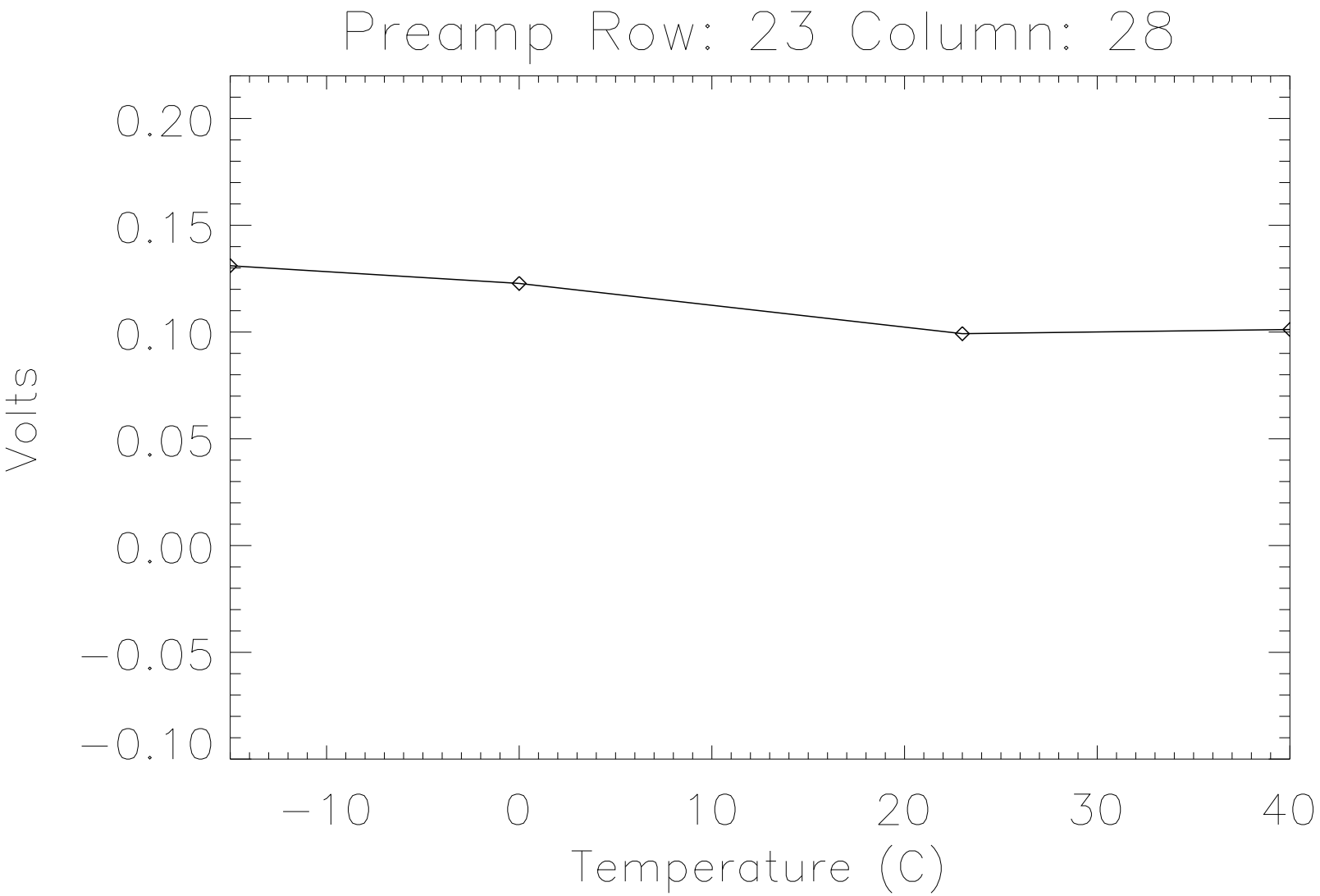
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 28
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0.00
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Volts
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0
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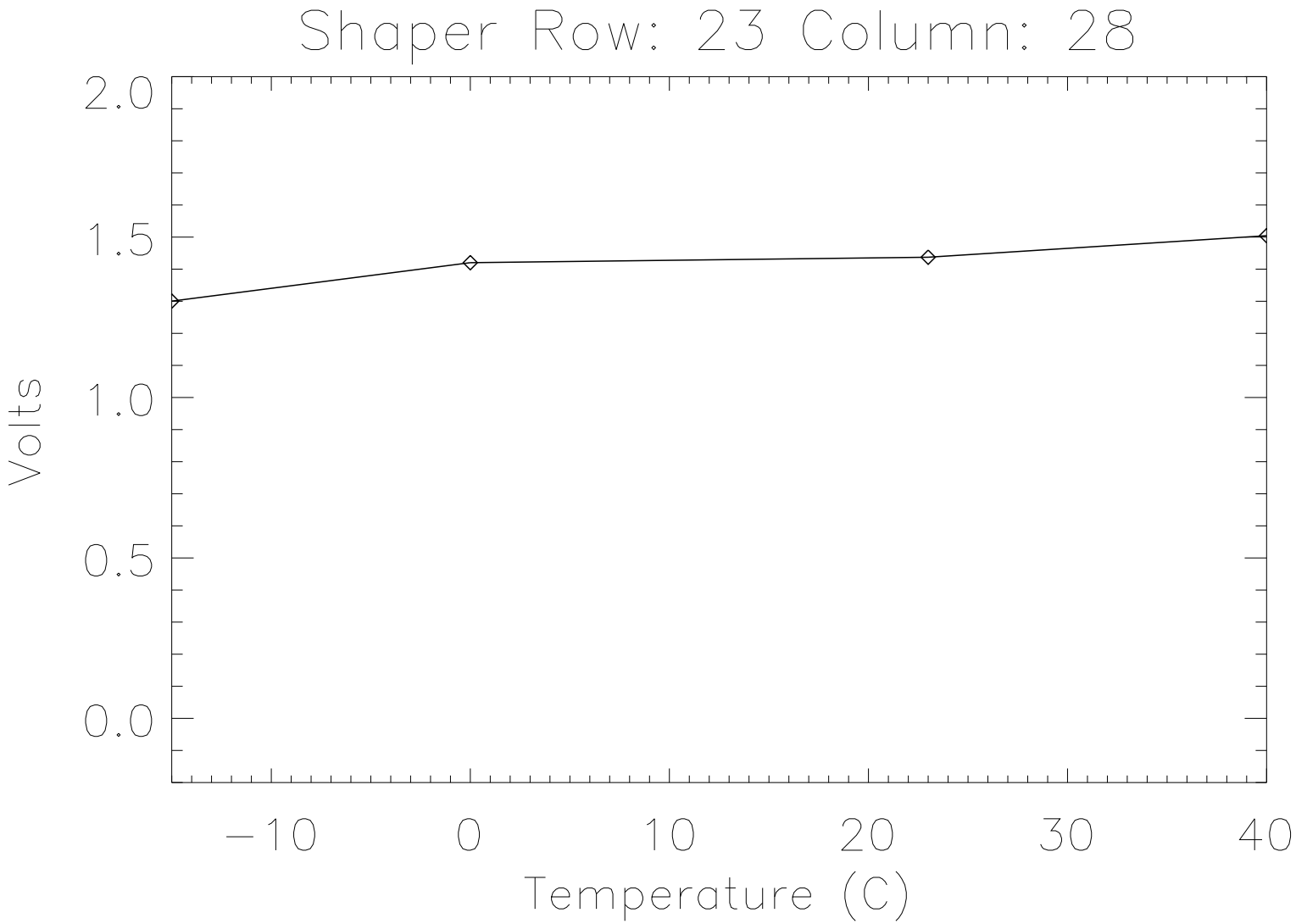
30
40
Temperature (C)


Shaper Row: 23 Column: 28
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1.0
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0.0
Volts
−10
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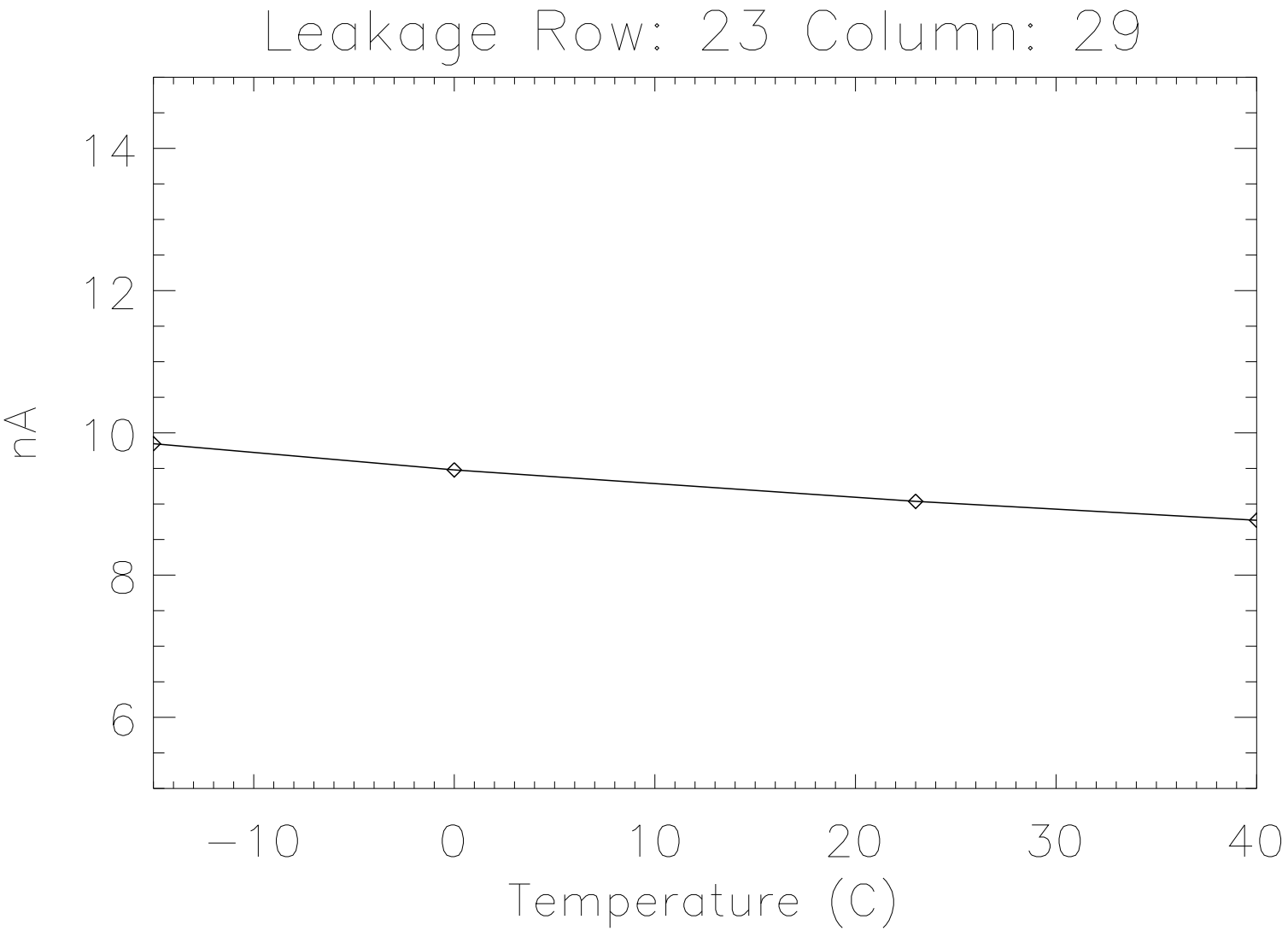
30
40
Temperature (C)


Leakage Row: 23 Column: 29
nA
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12
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8
6
−10
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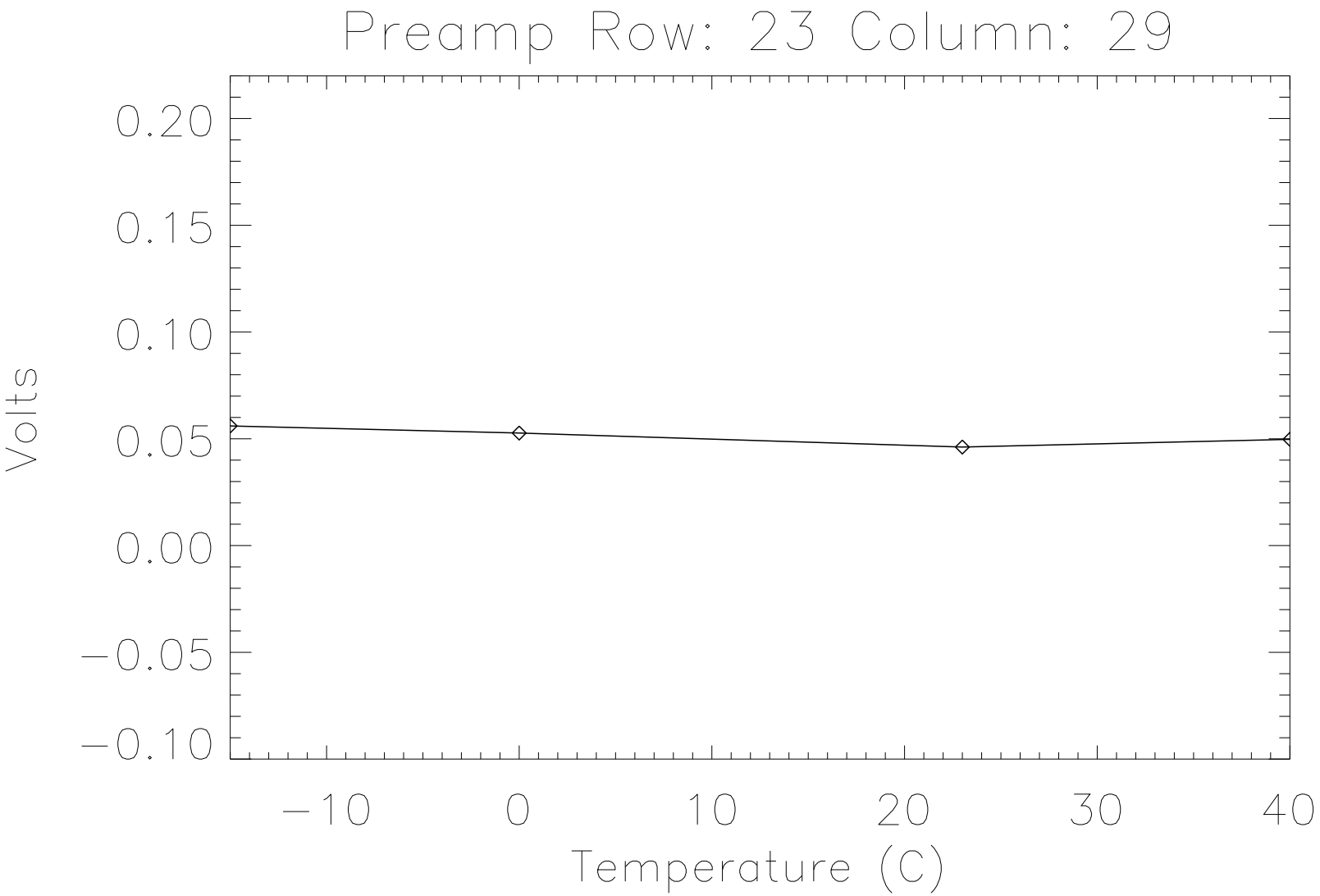
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 29
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0.10
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0.00
−0.05
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Volts
−10
0
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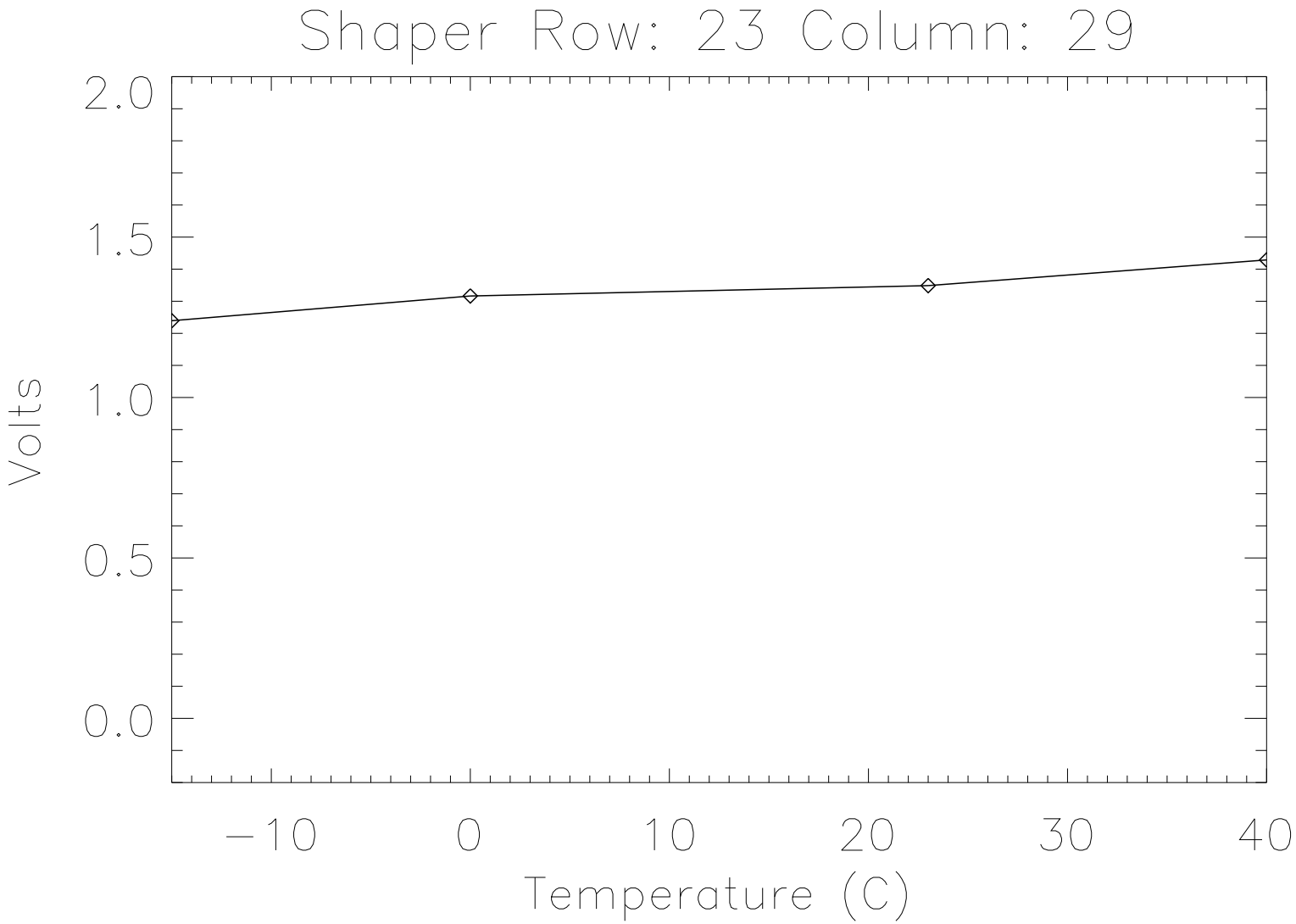
30
40
Temperature (C)


Shaper Row: 23 Column: 29
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1.5
1.0
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Volts
−10
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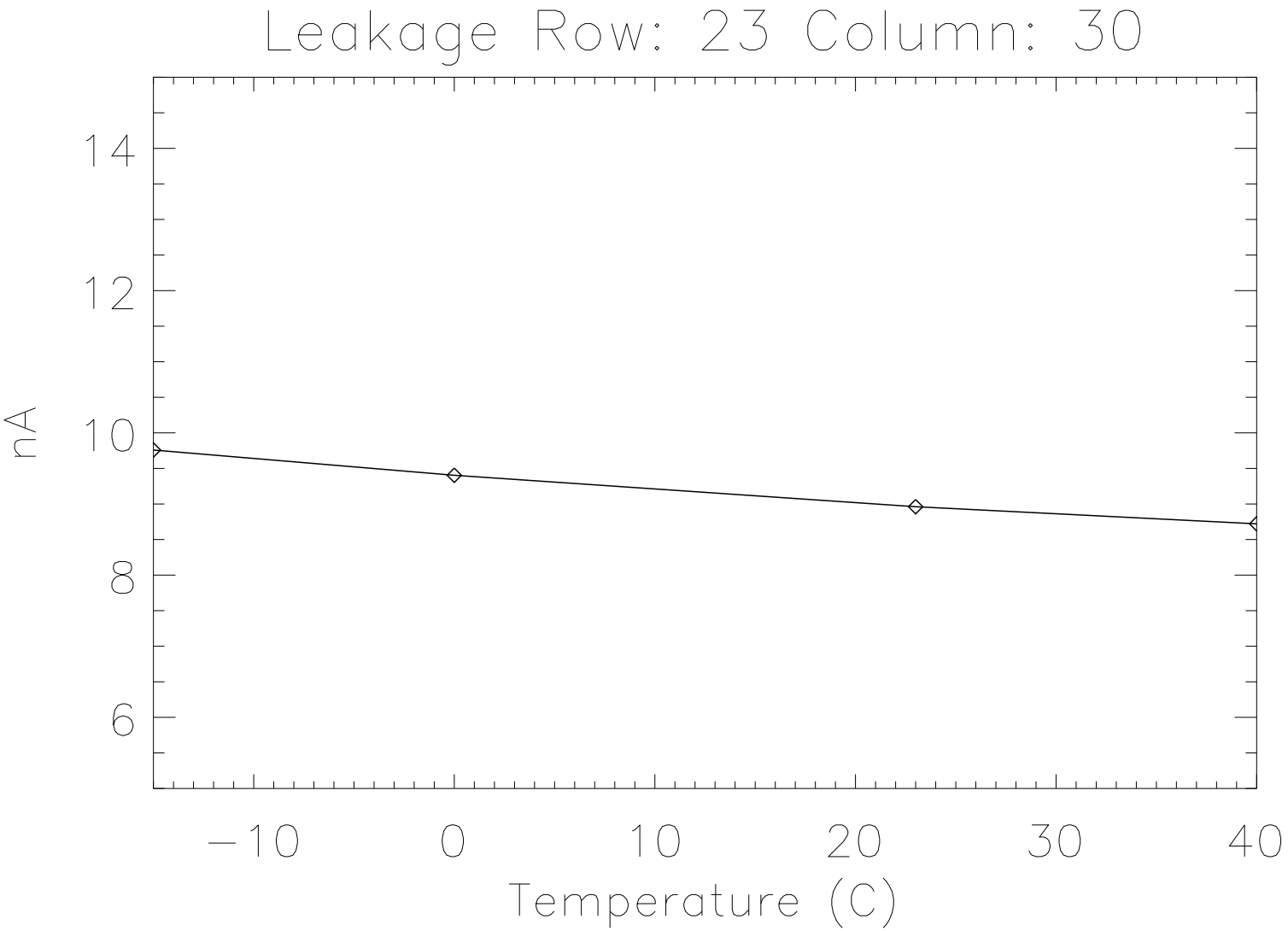
Temperature (C)


Leakage Row: 23 Column: 30
nA
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12
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8
6
−10
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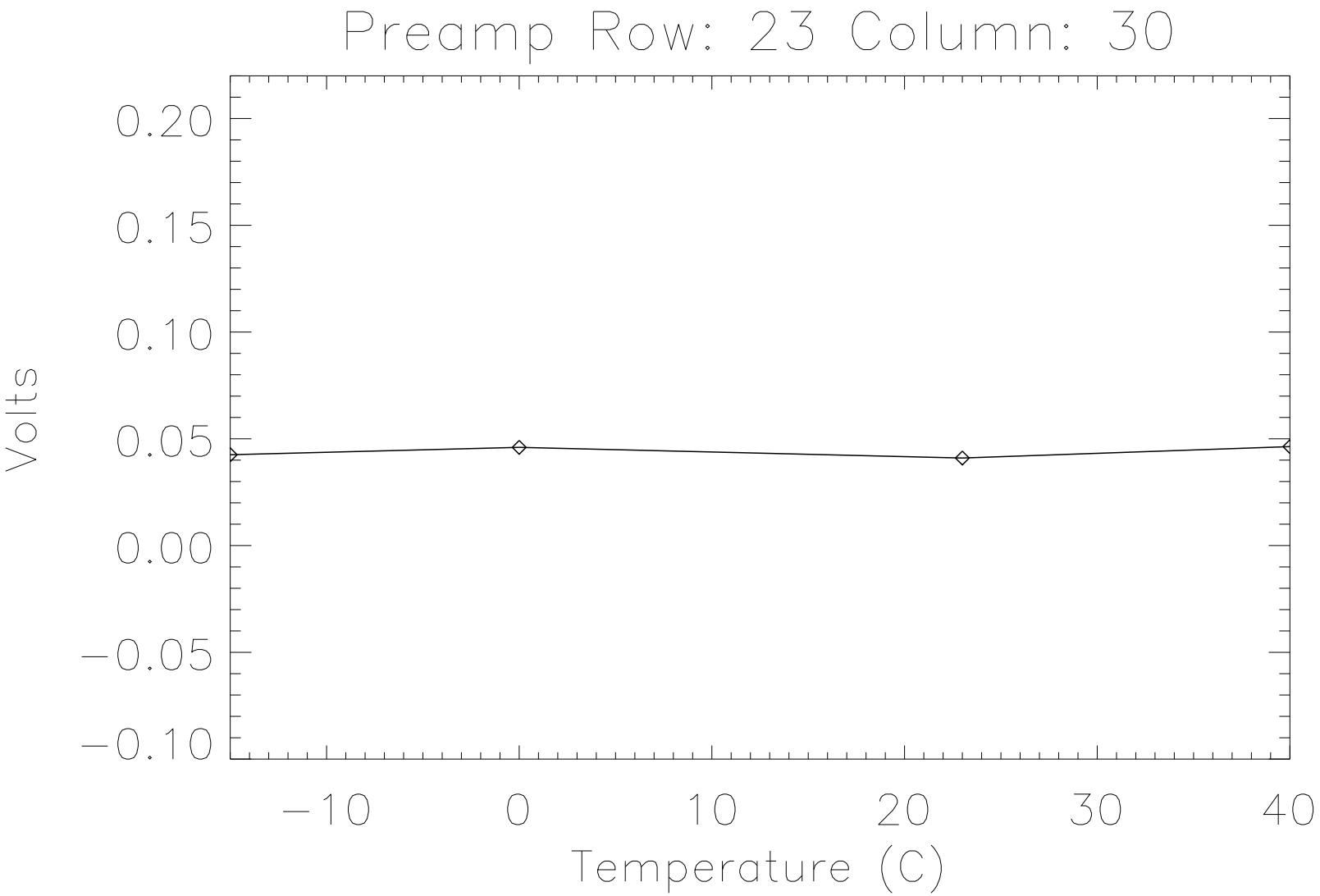
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 30
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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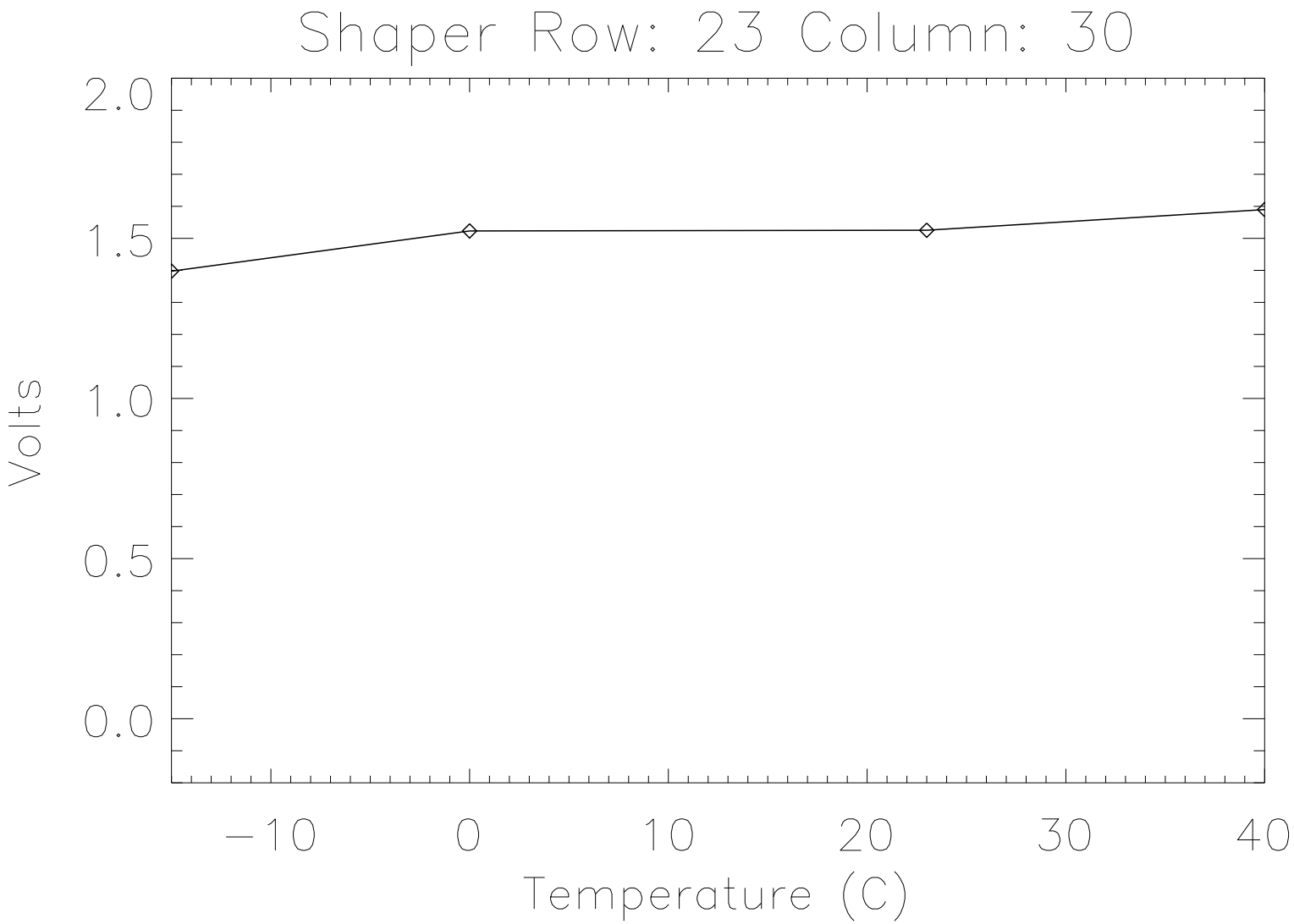
20
30
40
Temperature (C)


Shaper Row: 23 Column: 30
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1.5
1.0
0.5
0.0
Volts
−10
0
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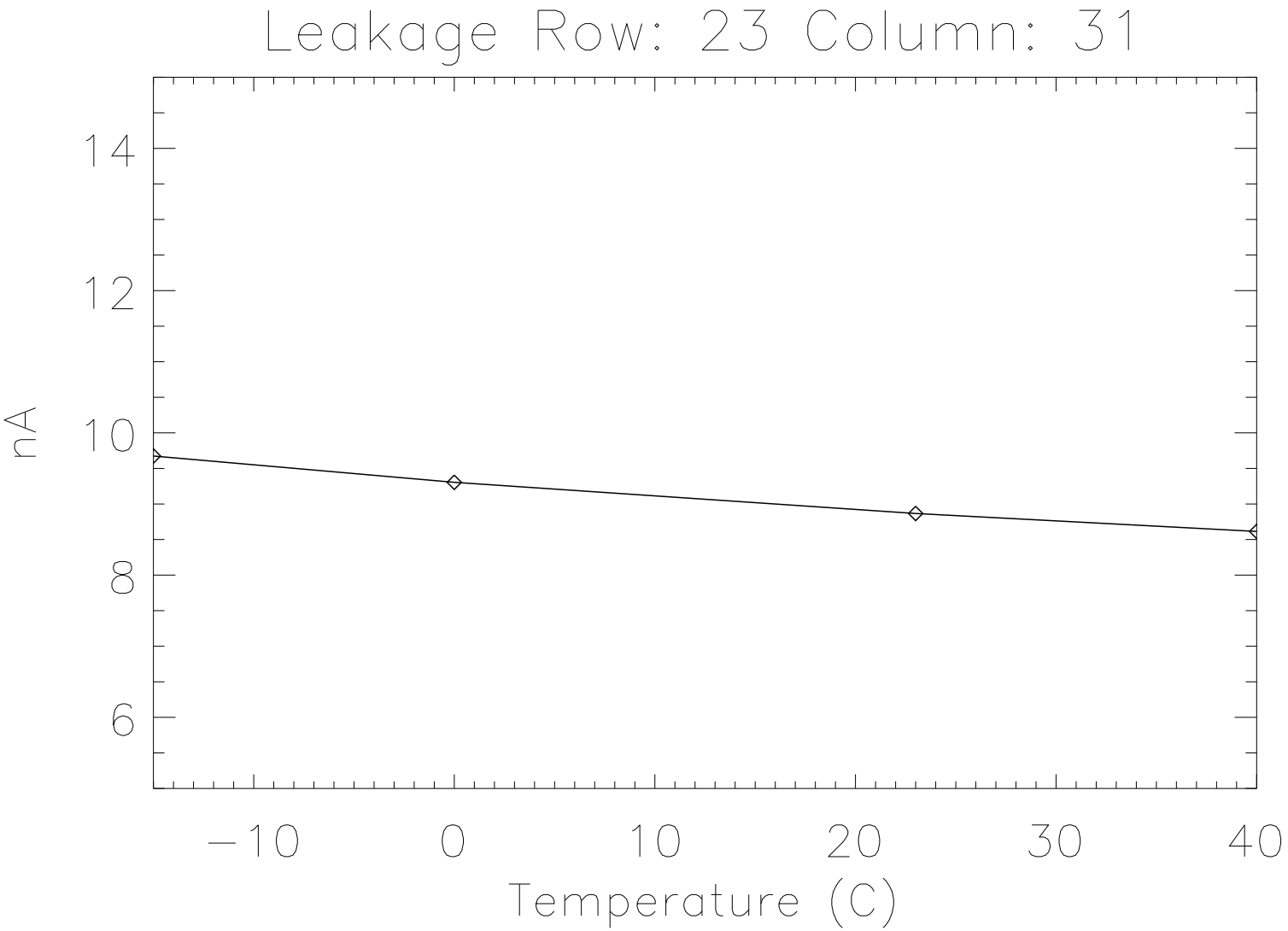
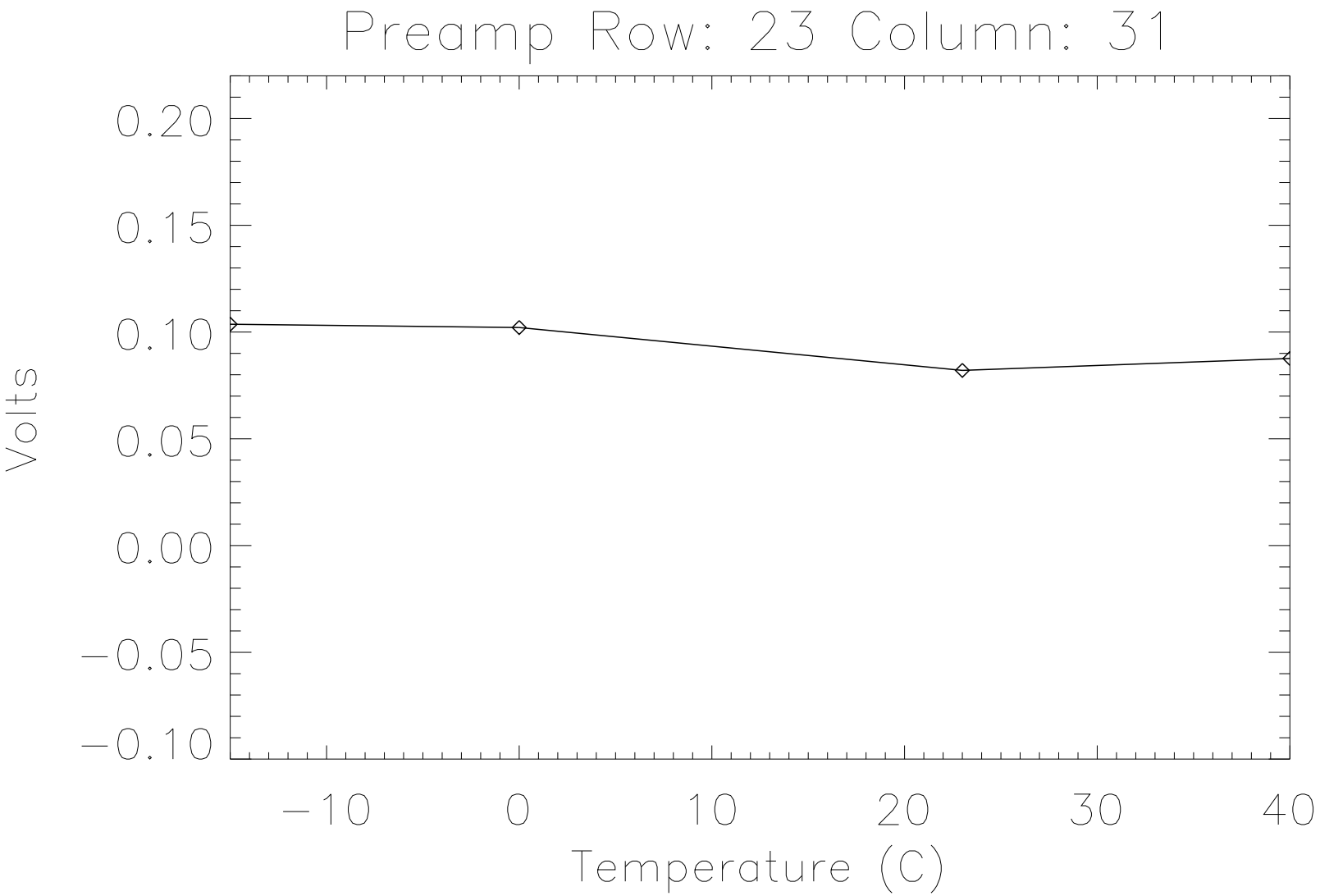
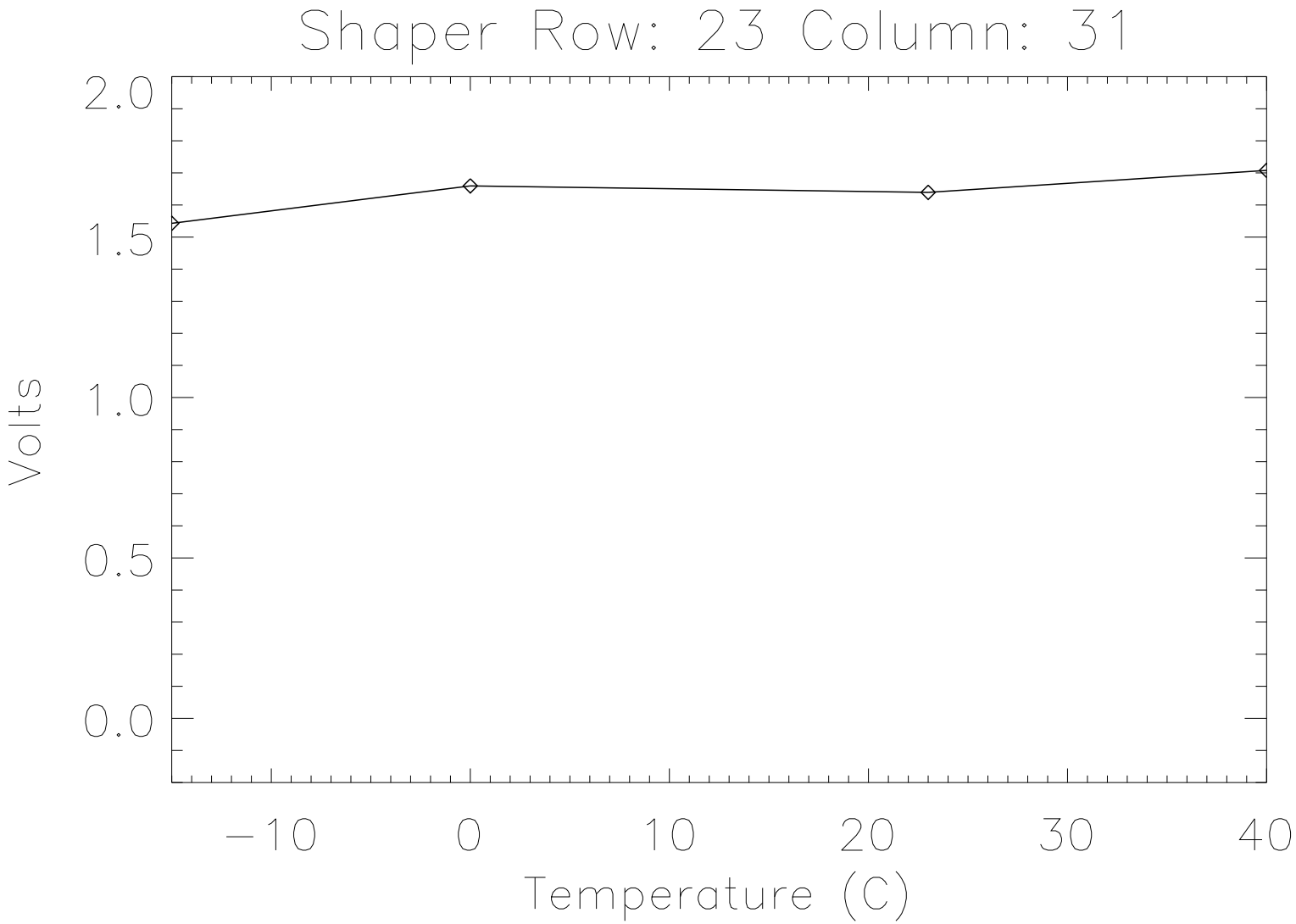
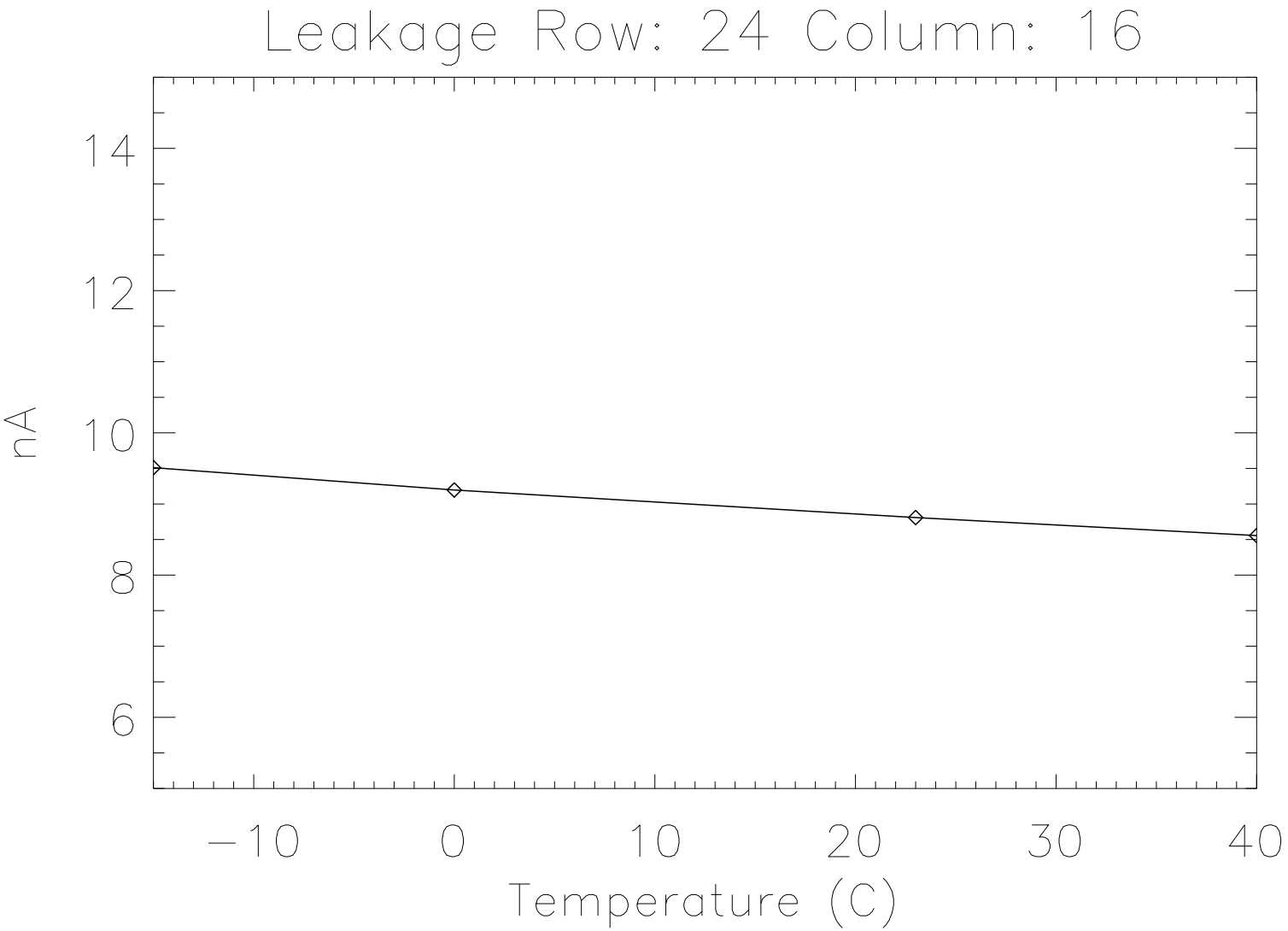
20
30
40
Temperature (C)


Leakage Row: 23 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 23 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 23 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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nA
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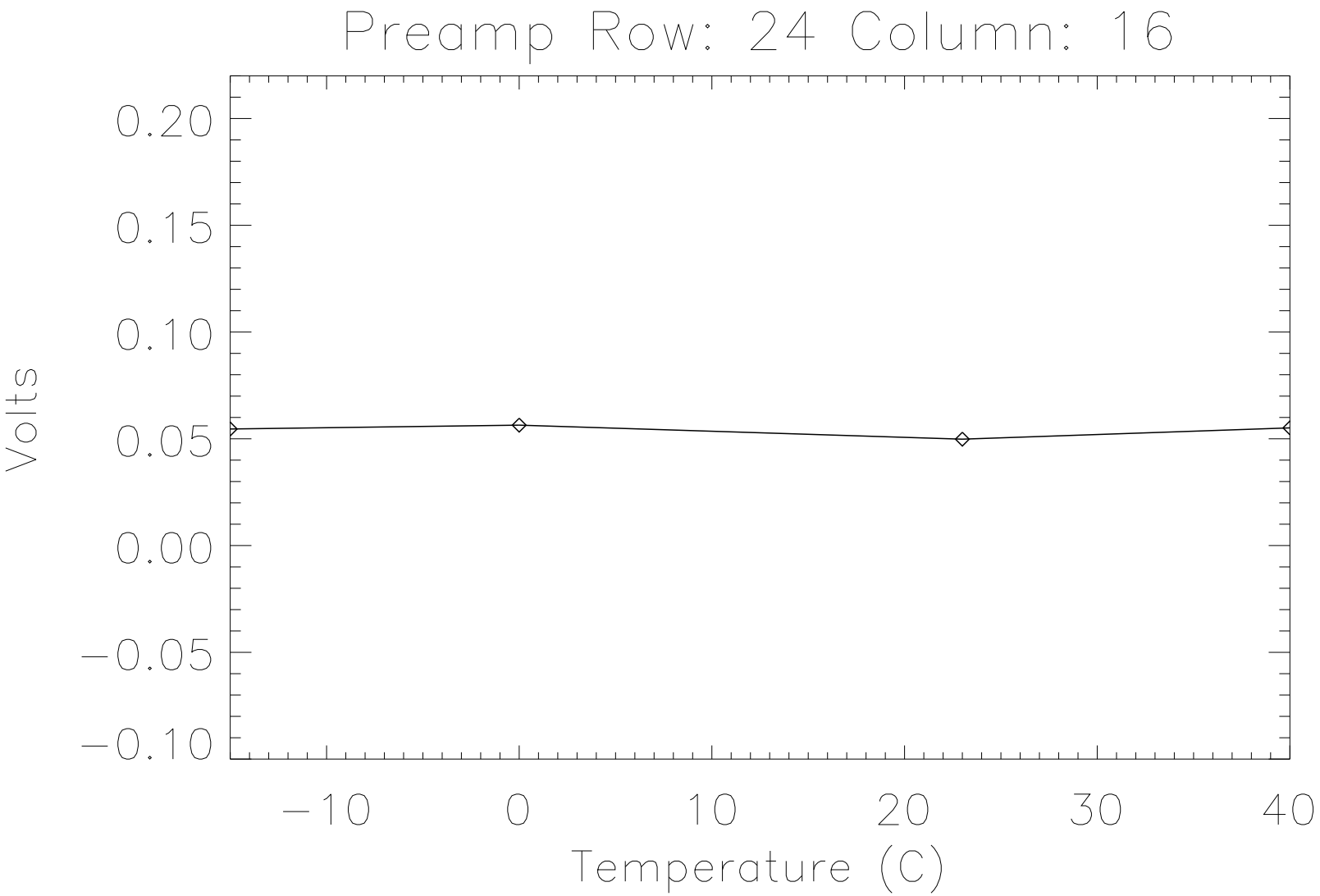
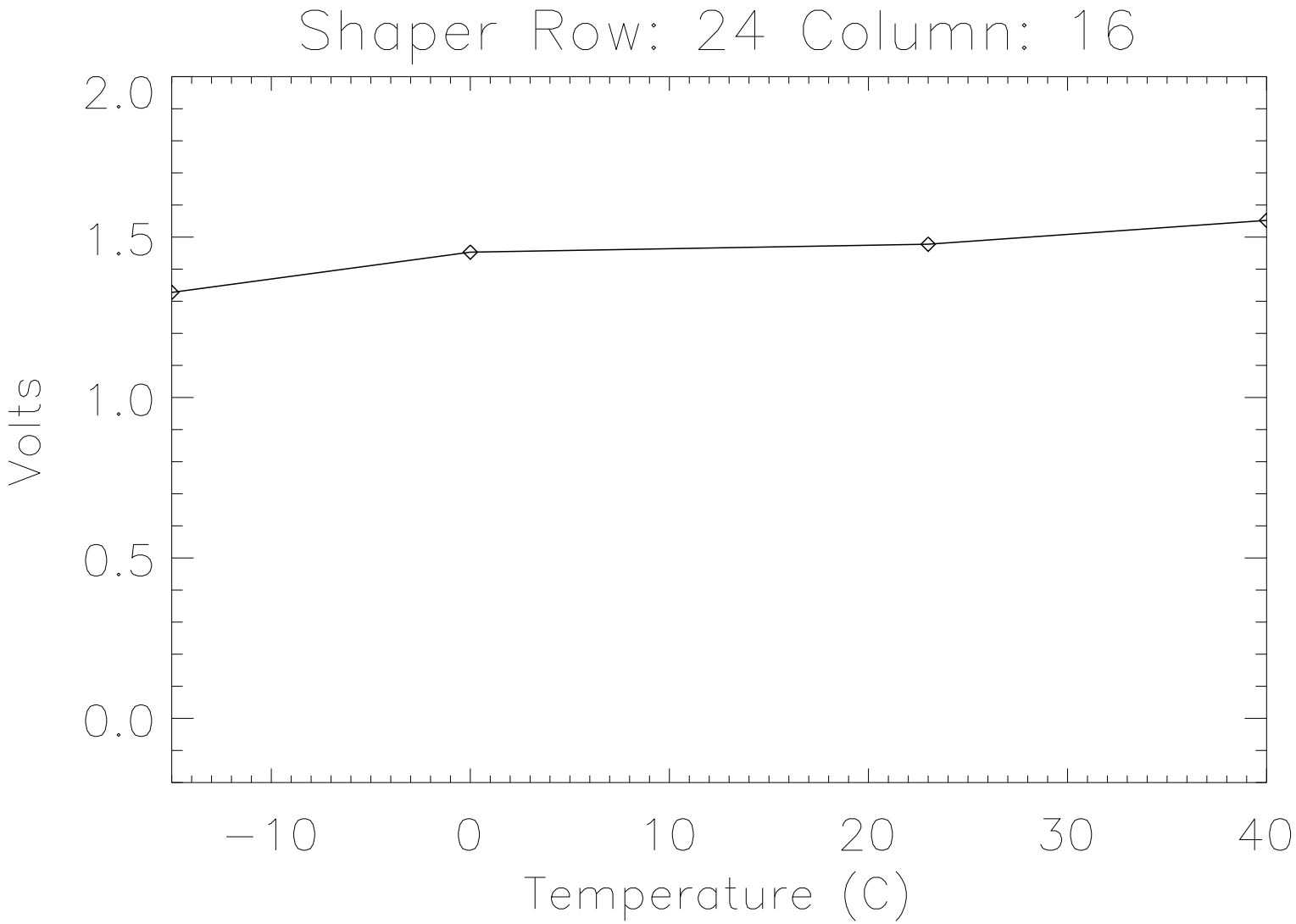
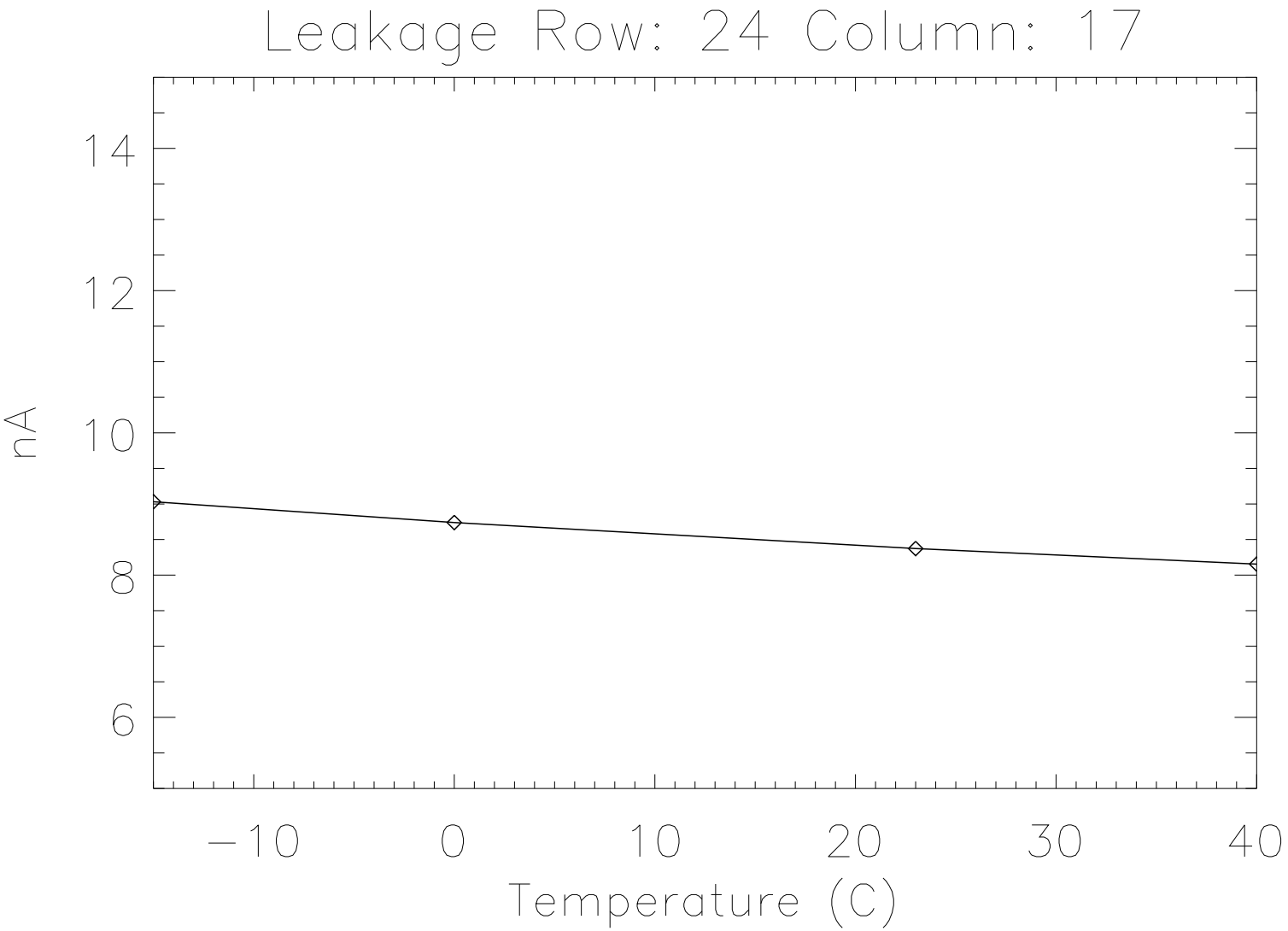
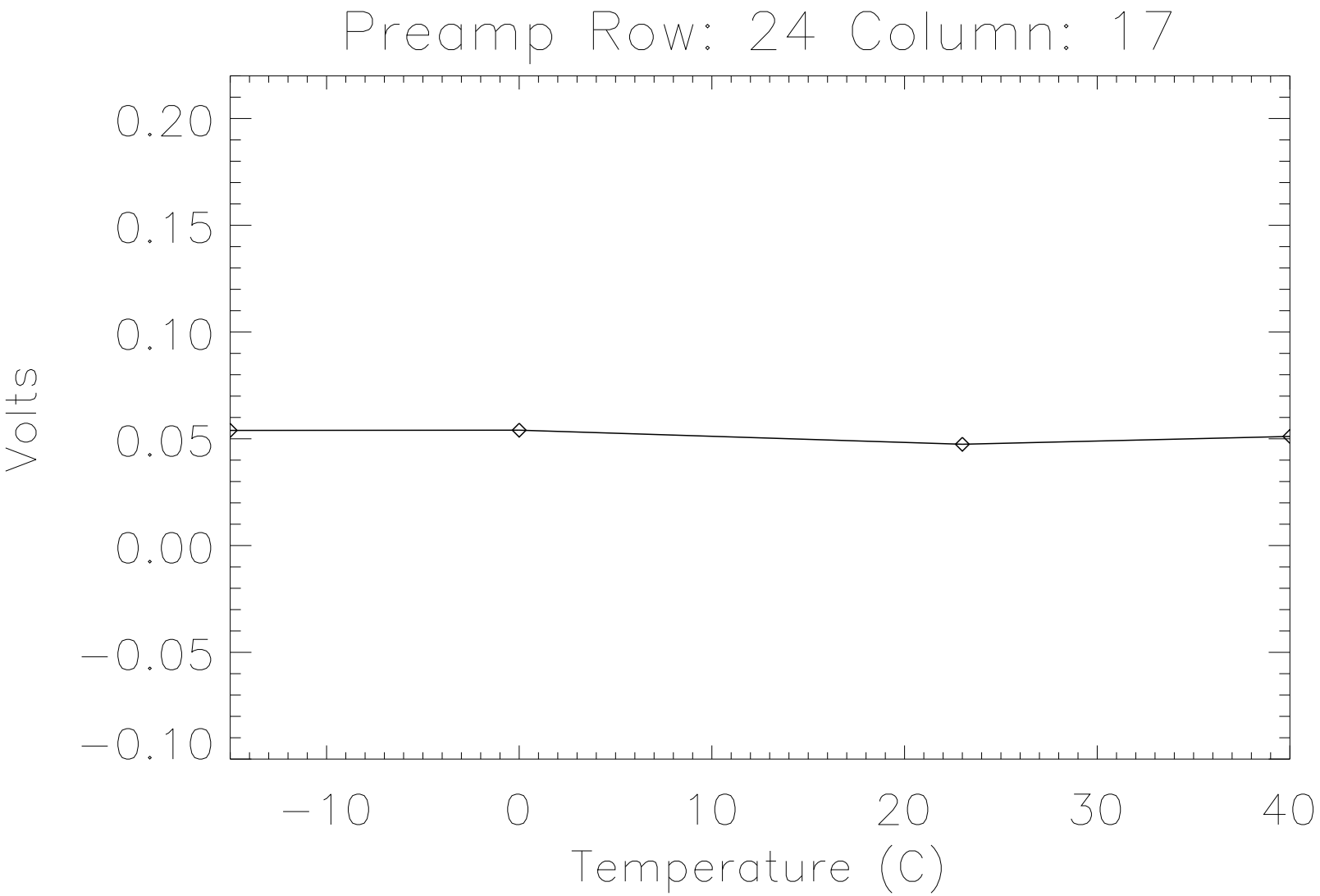
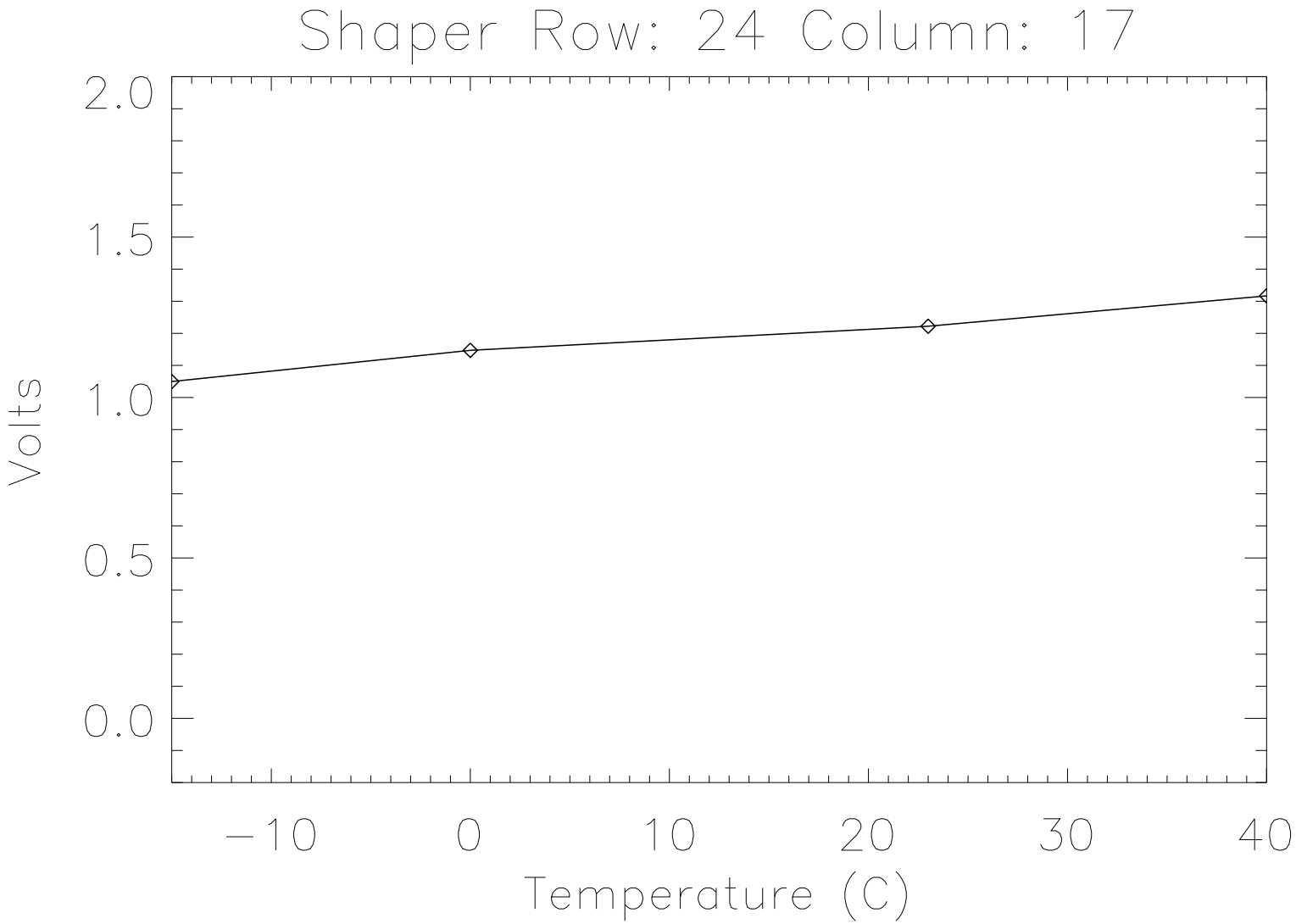
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

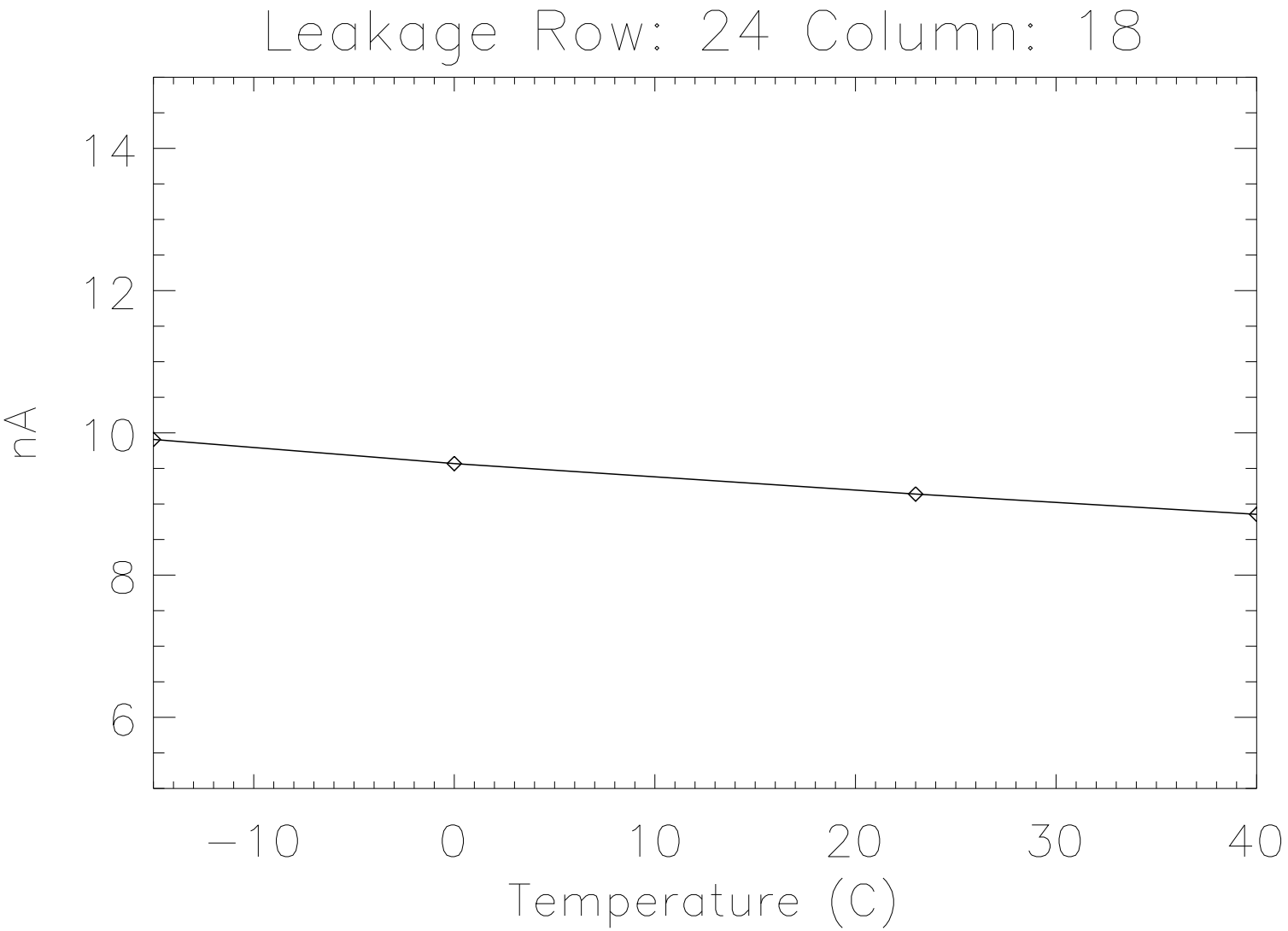

Preamp Row: 24 Column: 16
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

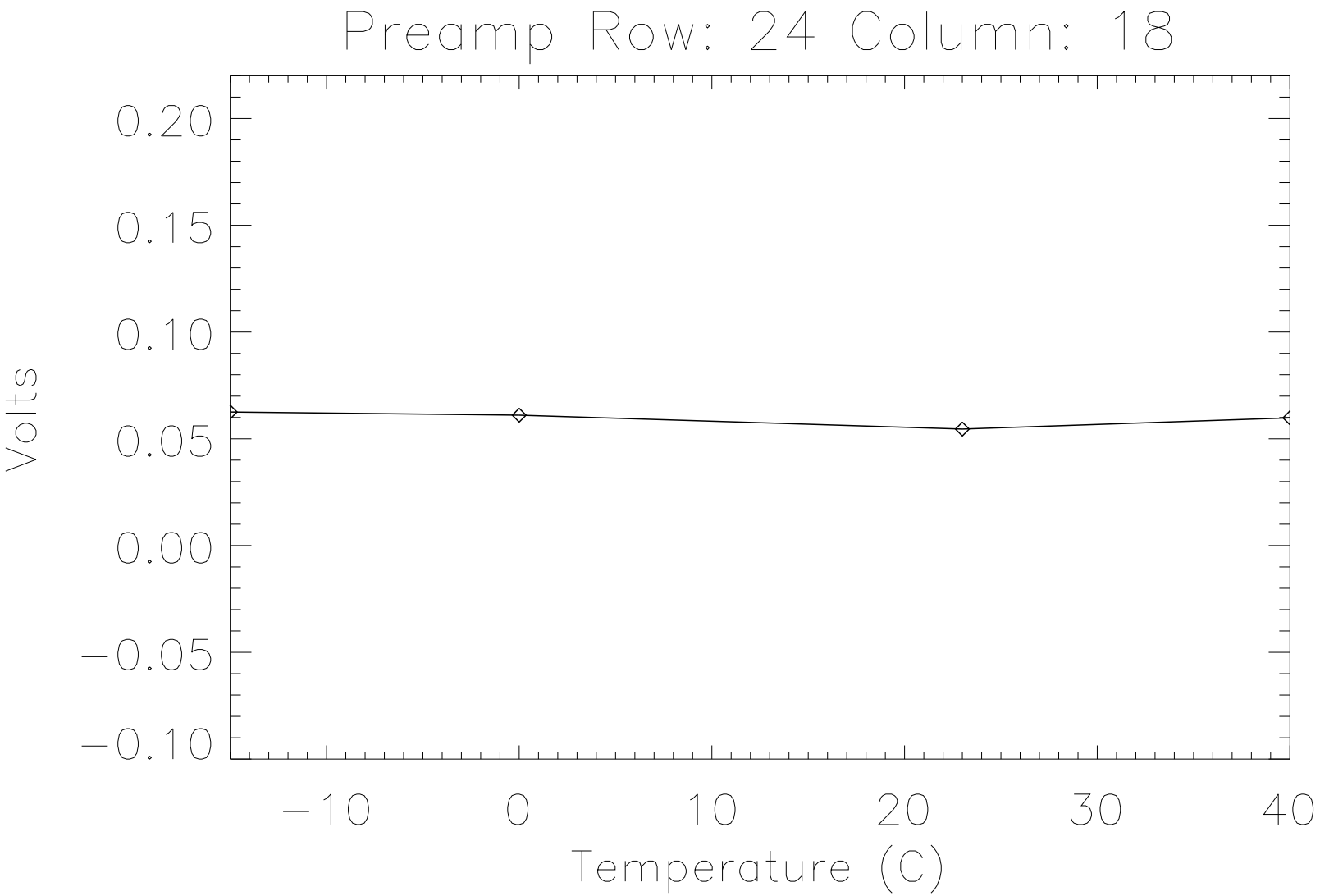

Shaper Row: 24 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

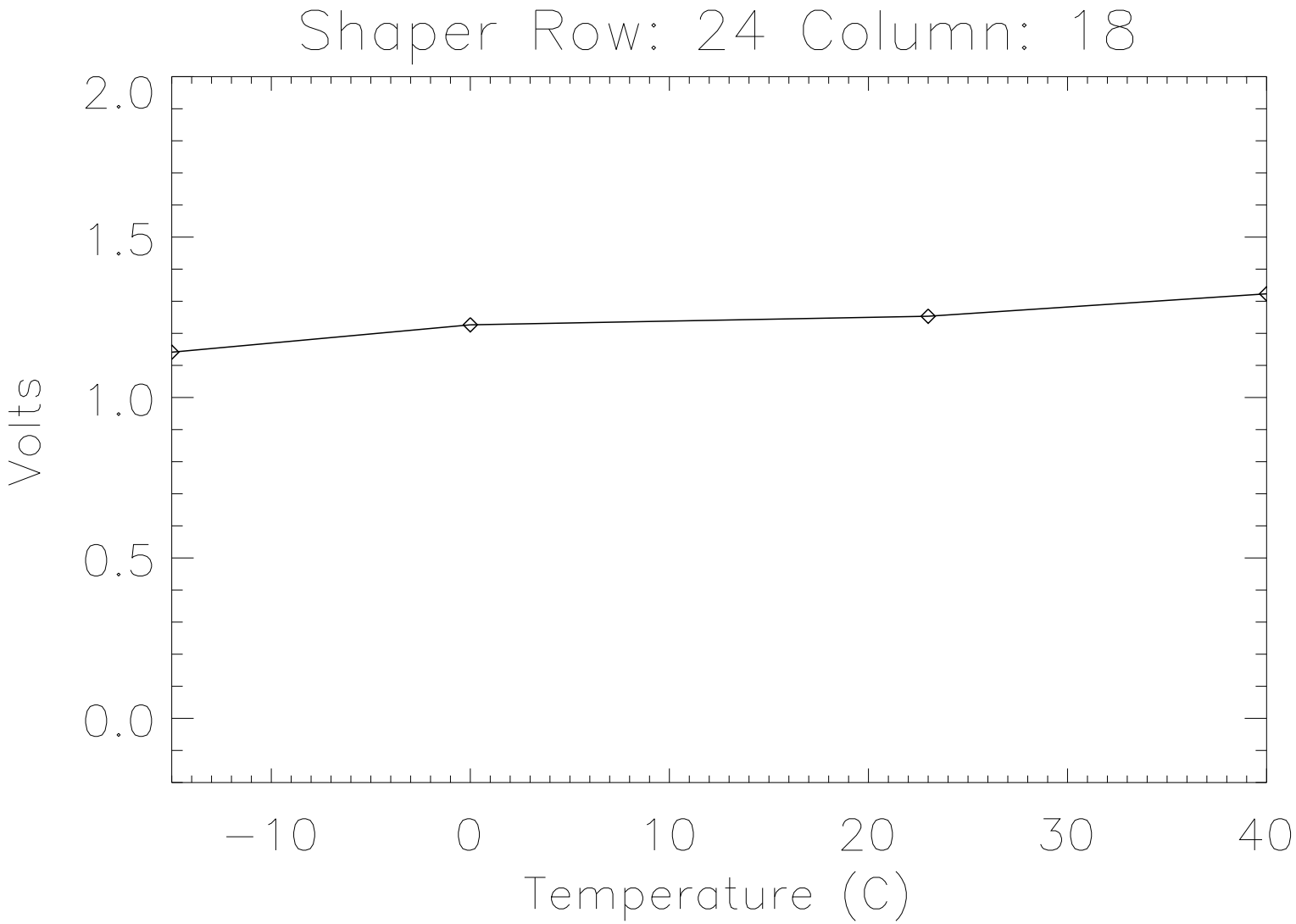

Leakage Row: 24 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

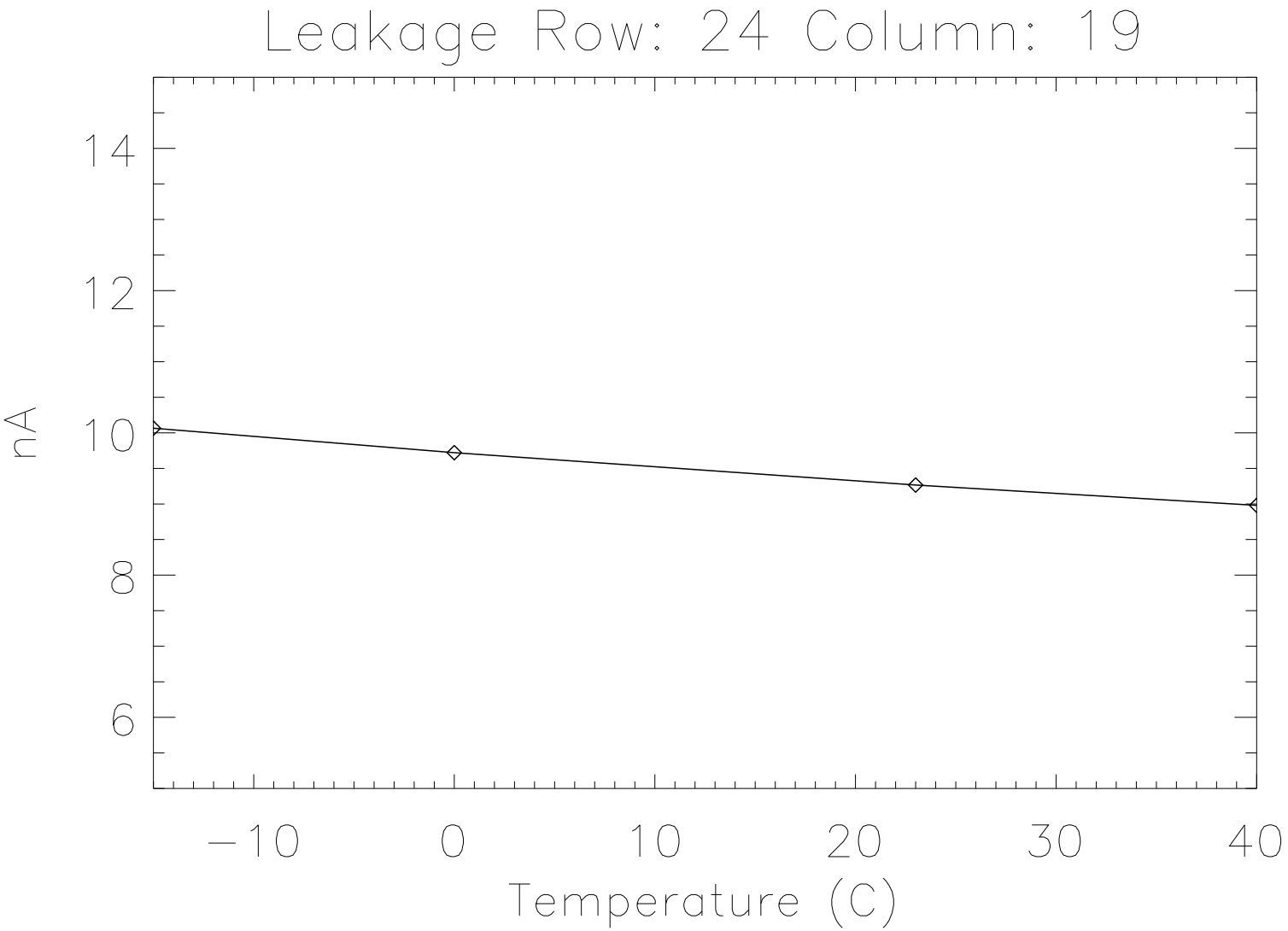

Preamp Row: 24 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

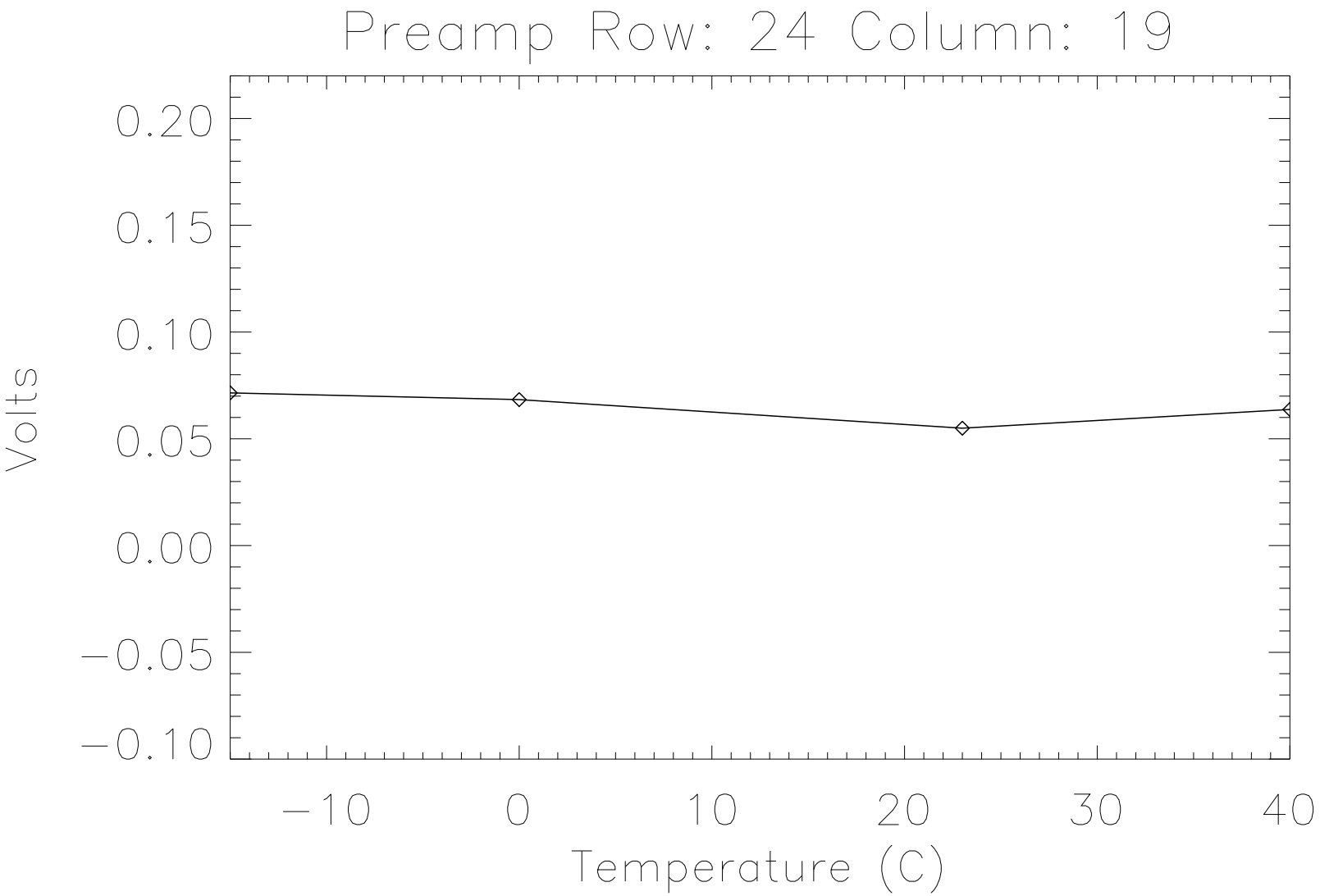

Shaper Row: 24 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

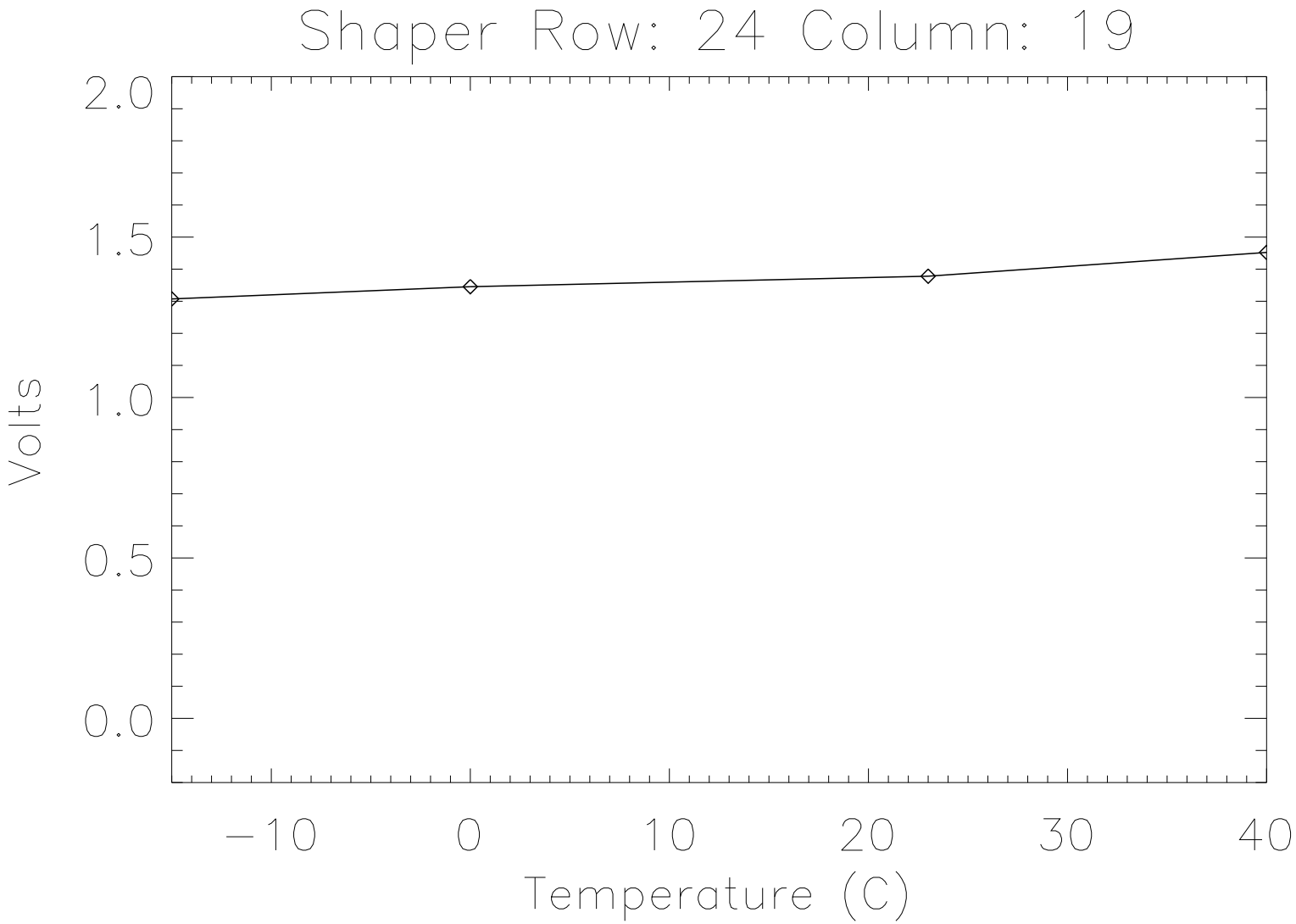

Leakage Row: 24 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

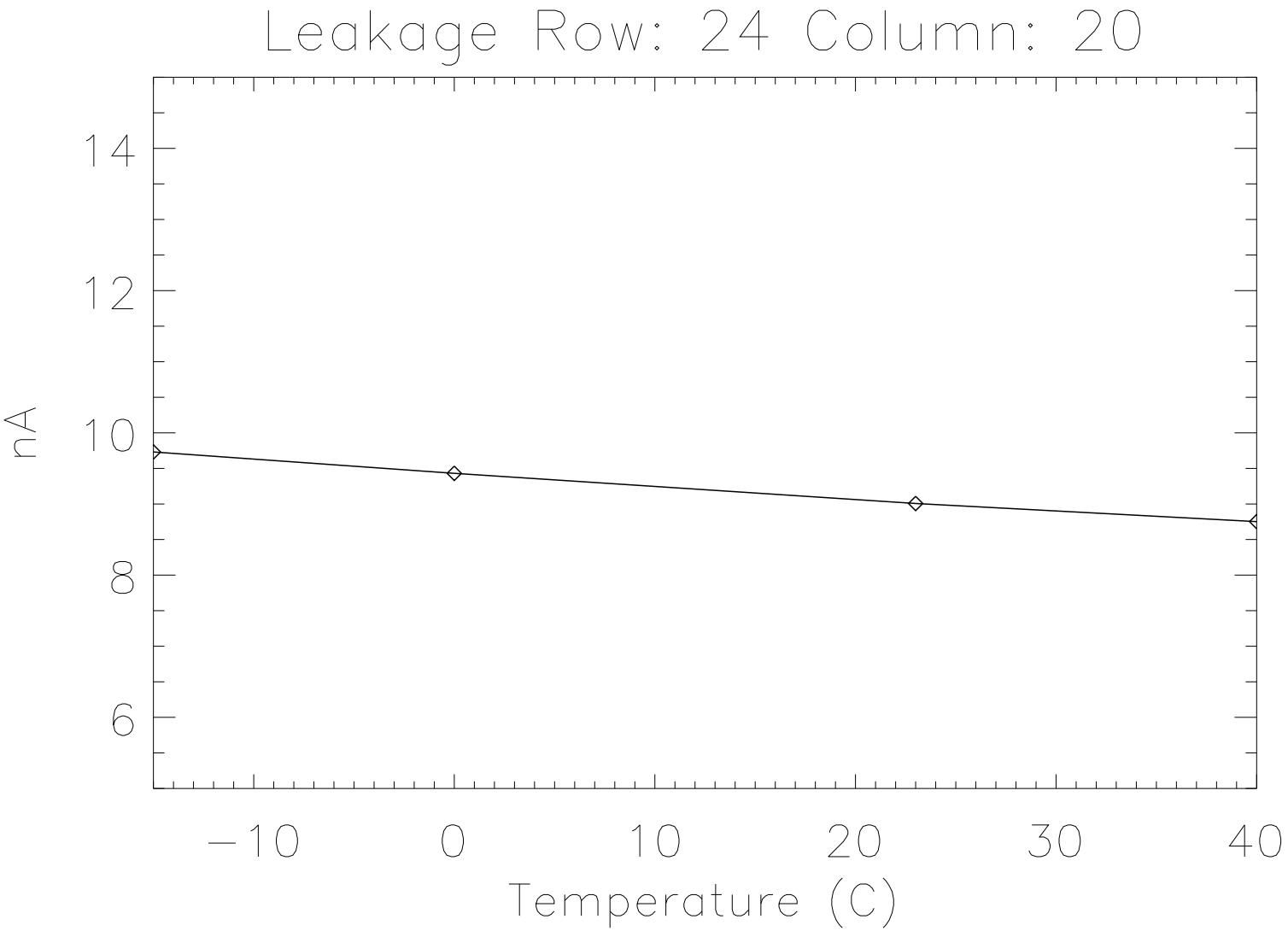

Preamp Row: 24 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

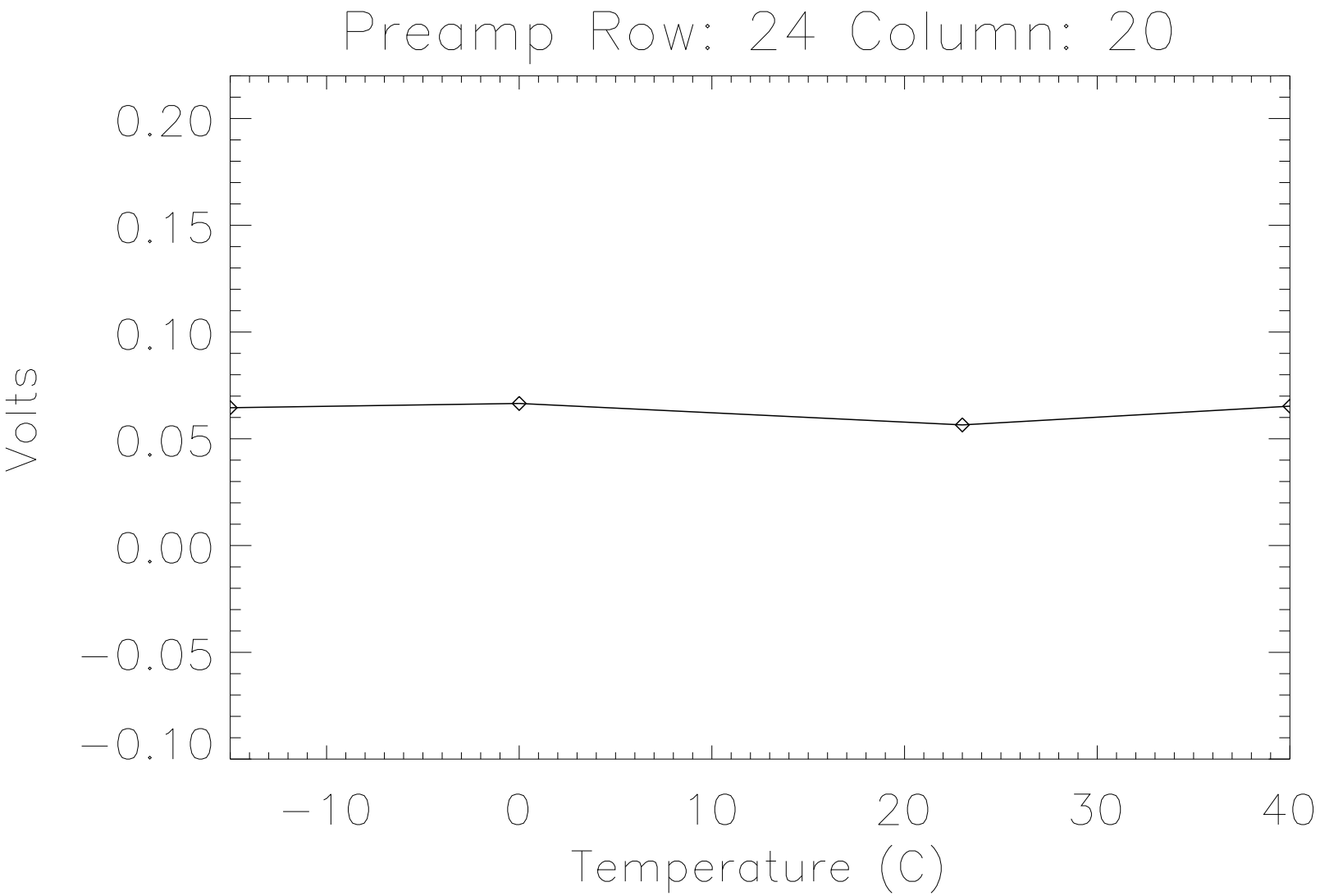

Shaper Row: 24 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

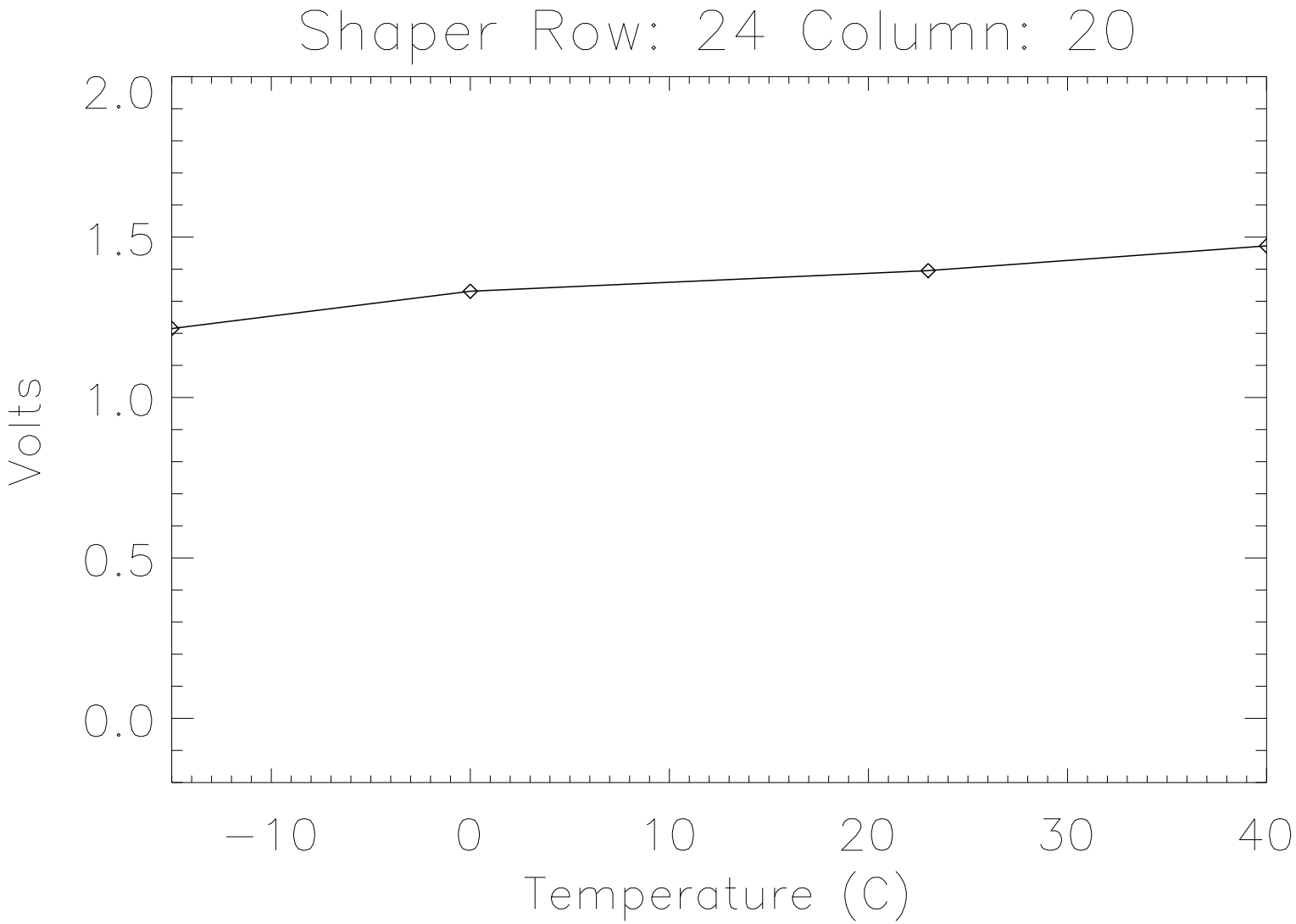

Leakage Row: 24 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

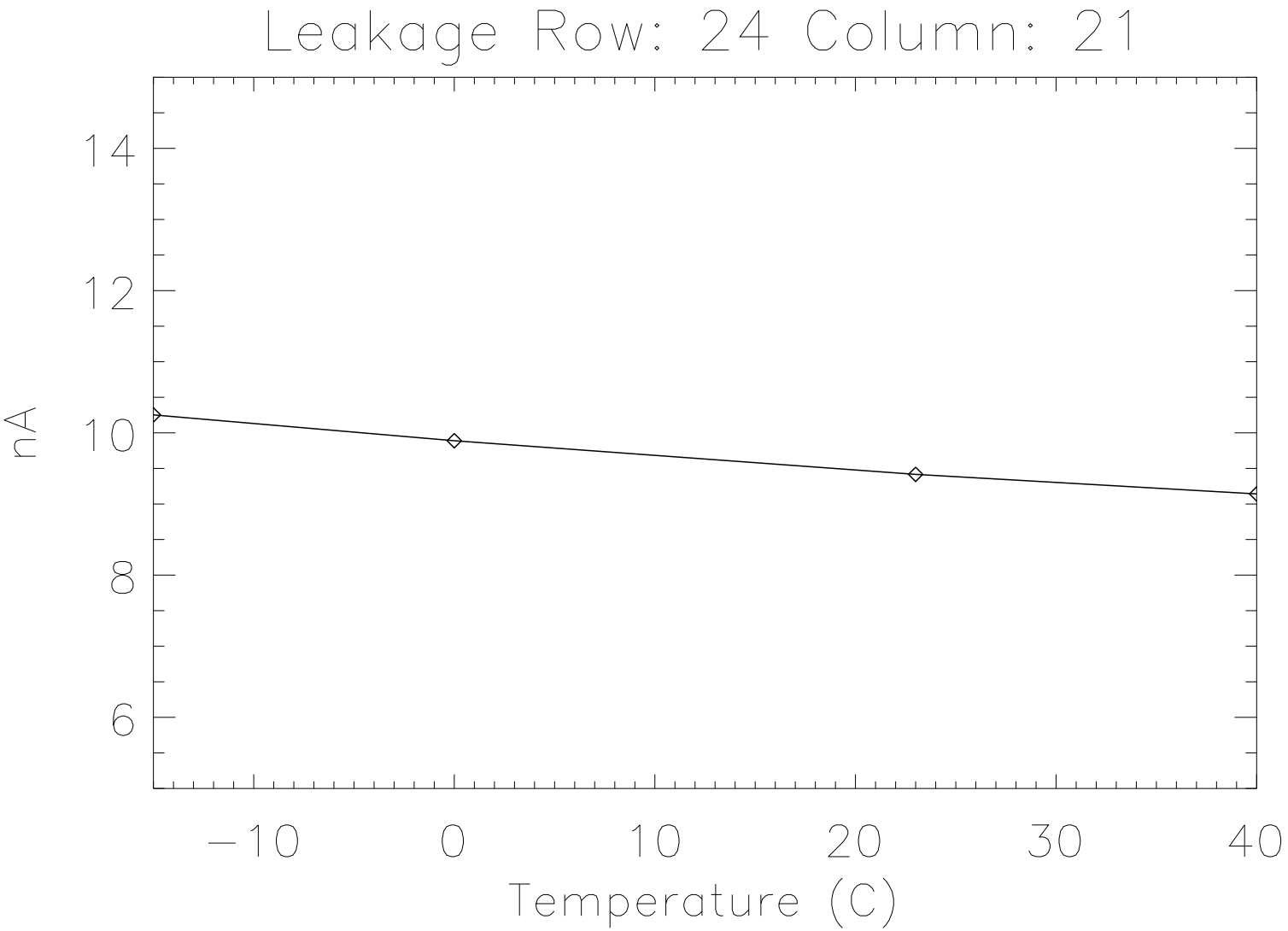

Preamp Row: 24 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

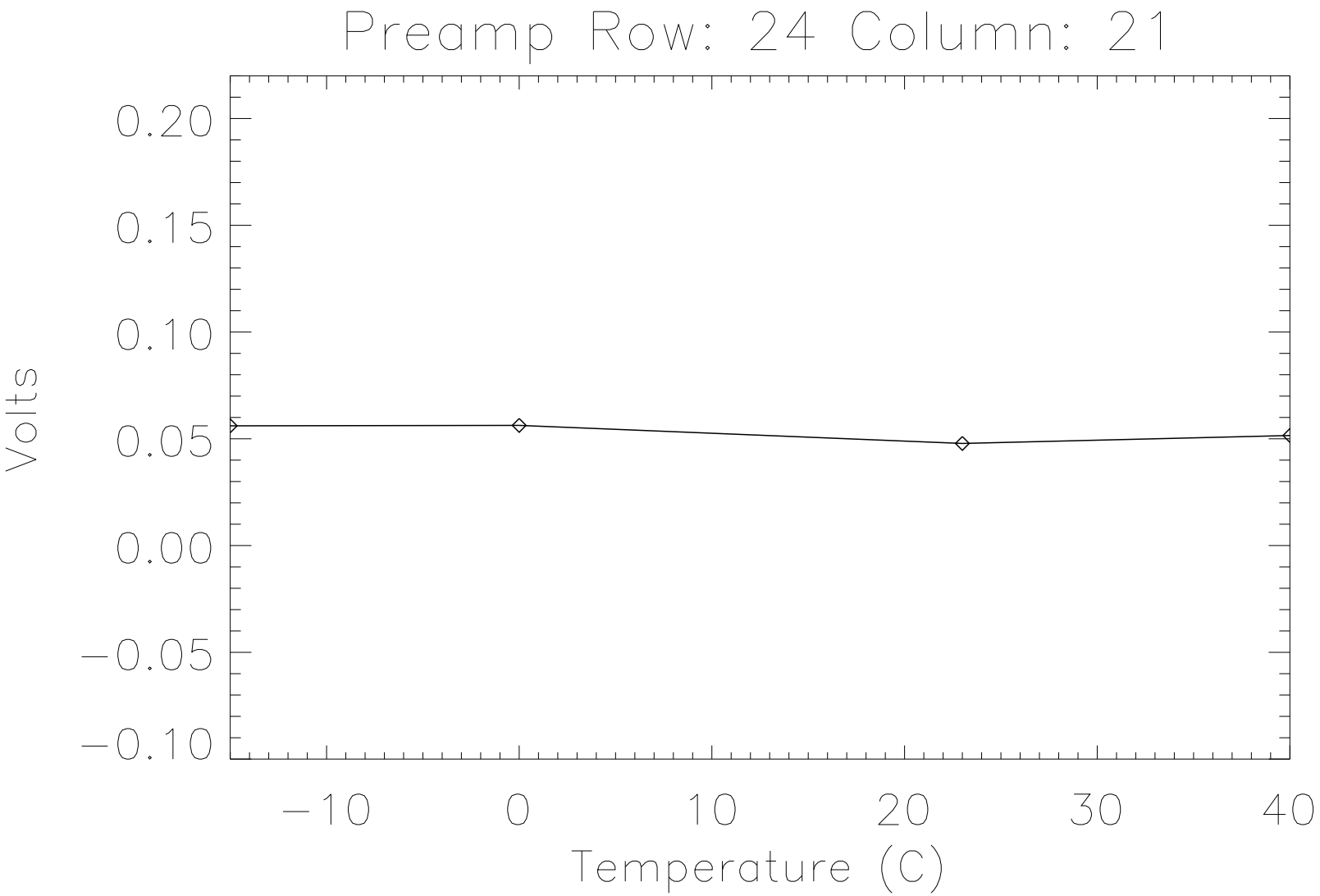

Shaper Row: 24 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

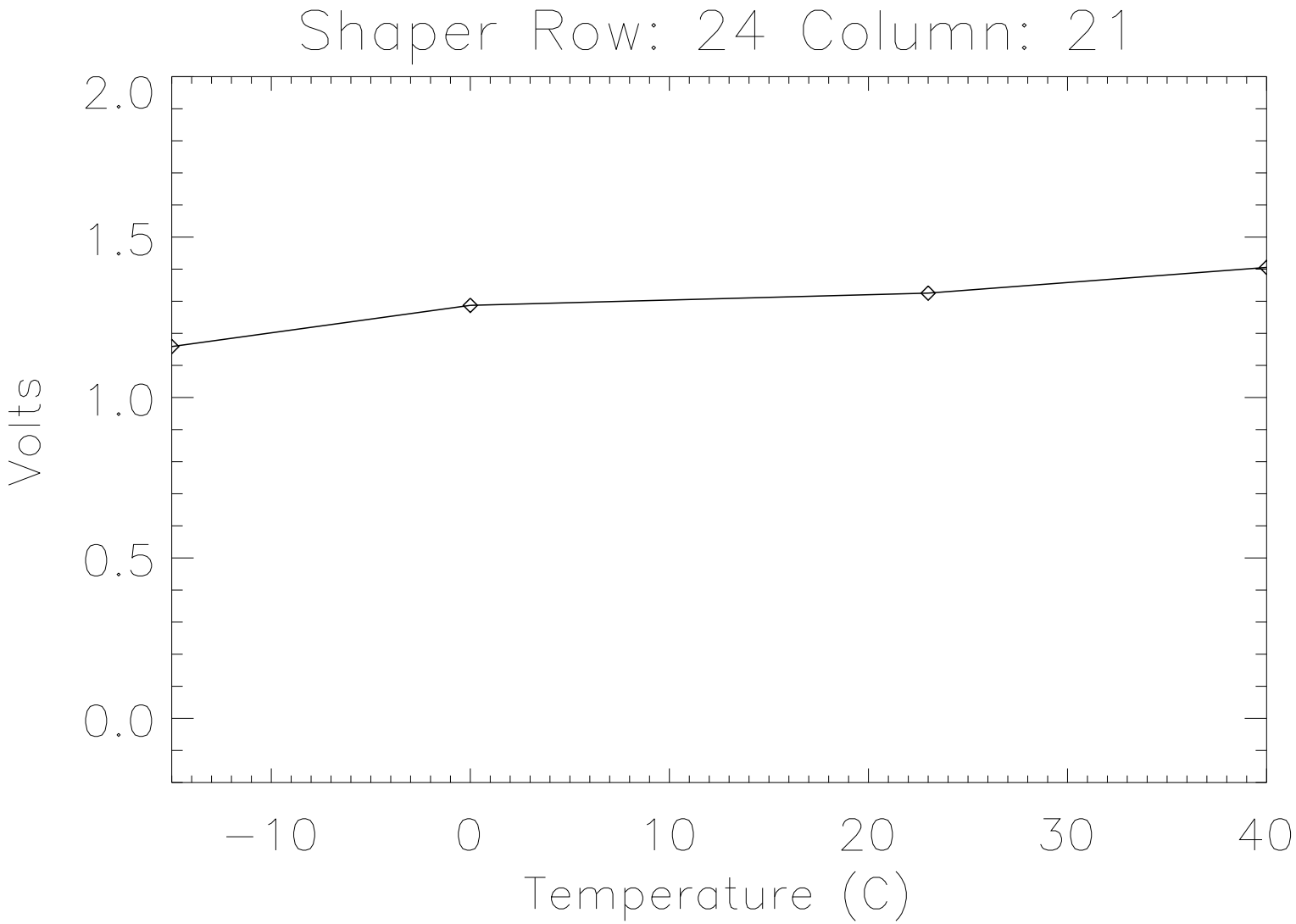

Leakage Row: 24 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

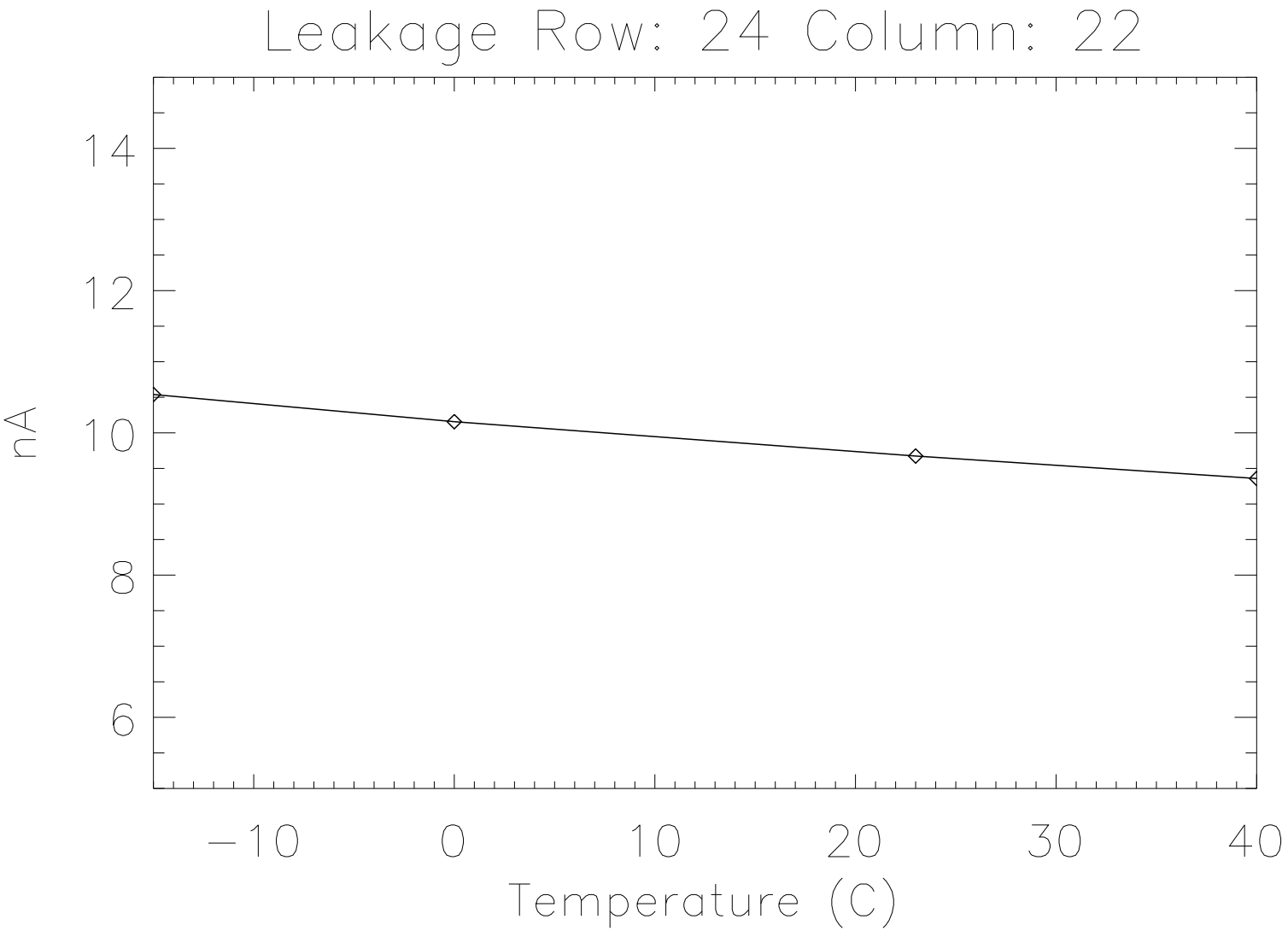

Preamp Row: 24 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

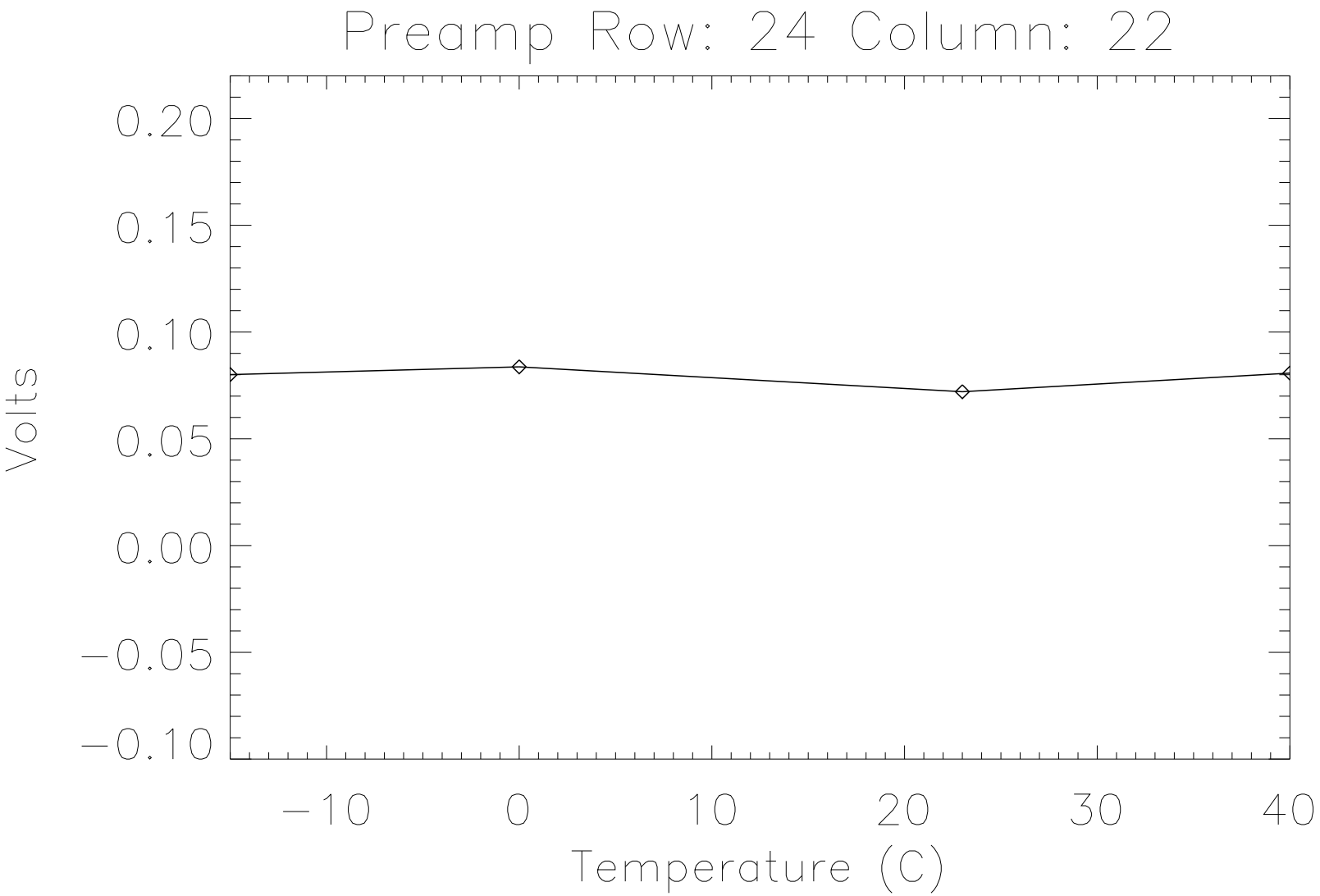

Shaper Row: 24 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

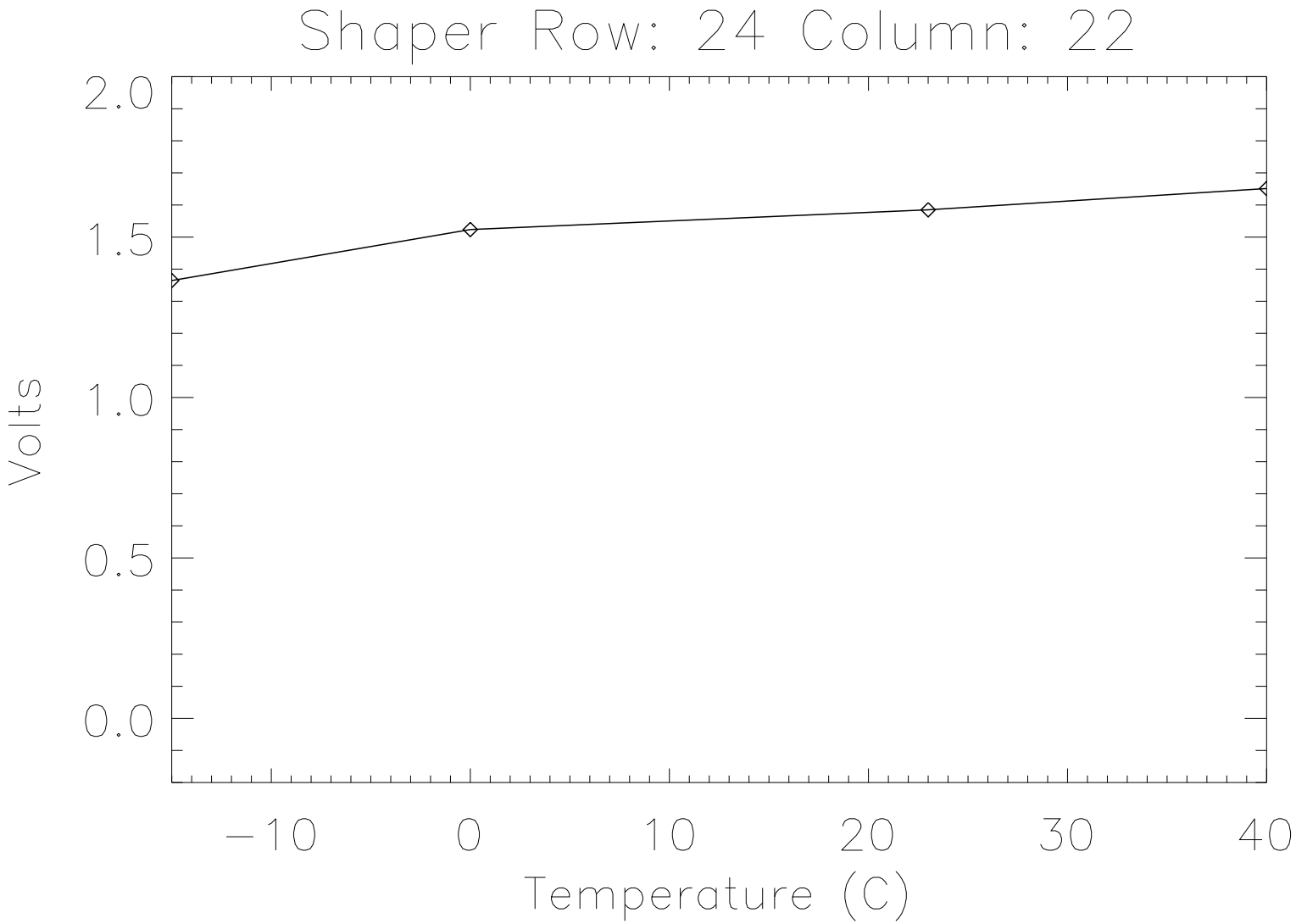

Leakage Row: 24 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

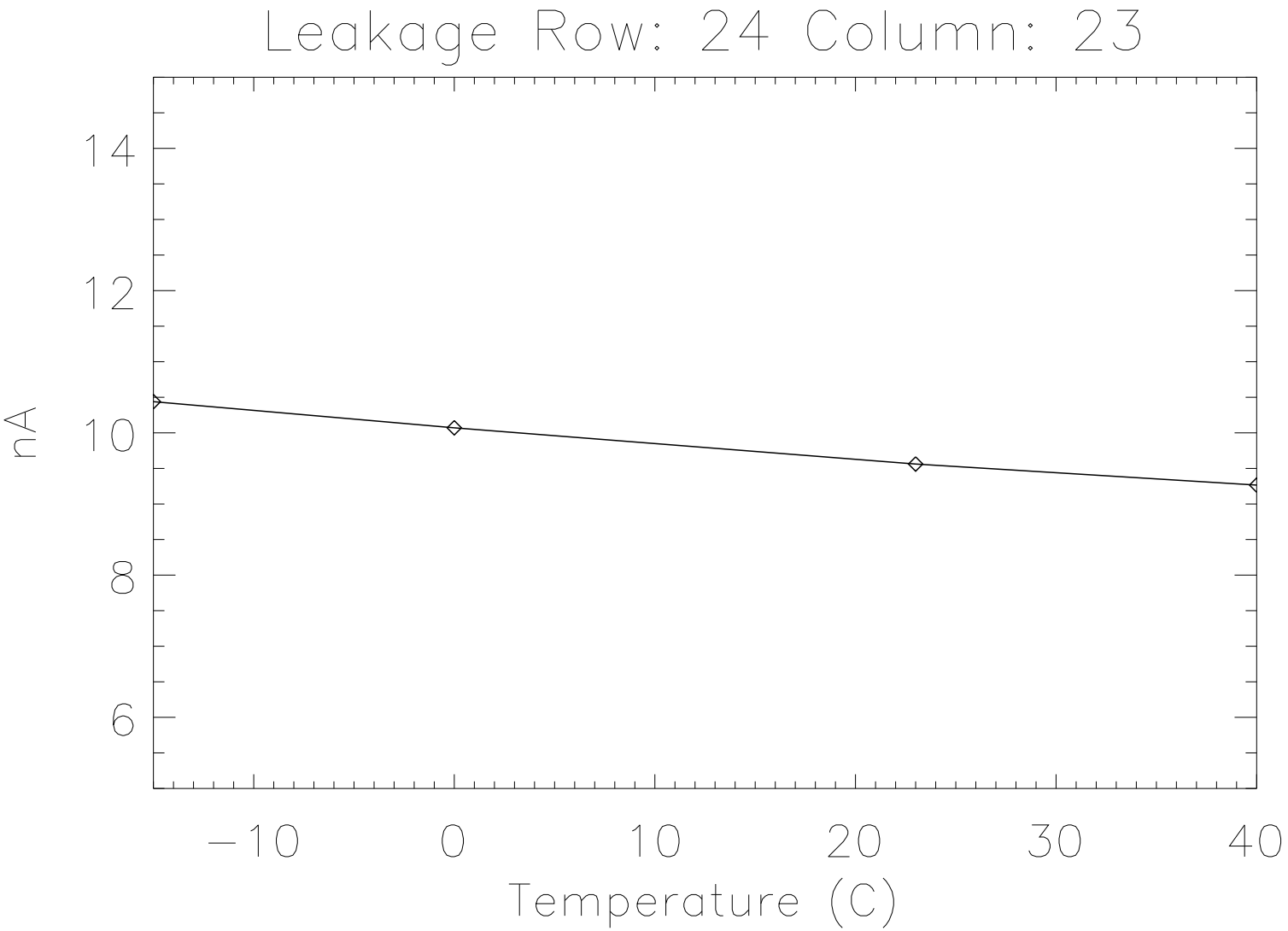

Preamp Row: 24 Column: 21
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

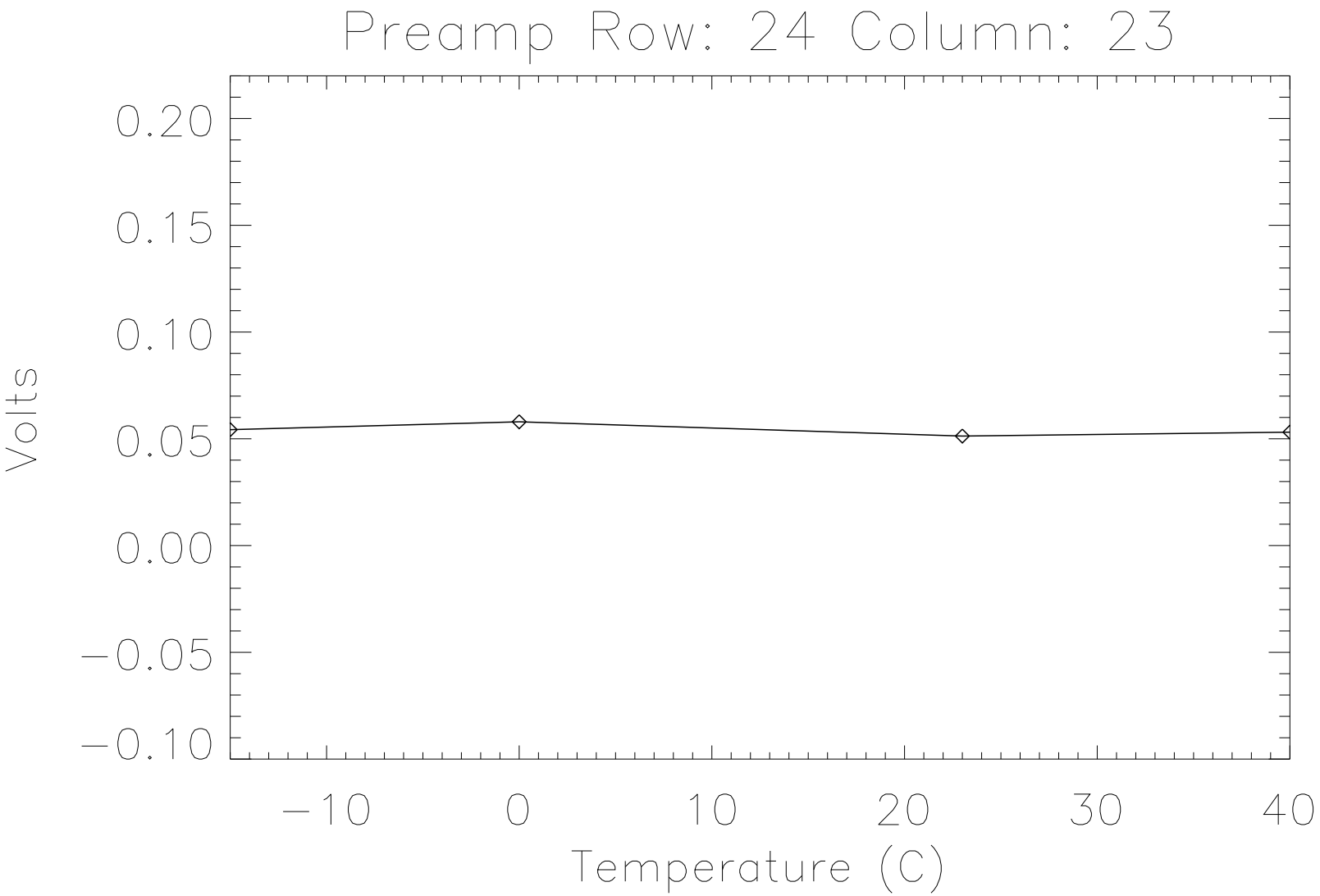

Shaper Row: 24 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

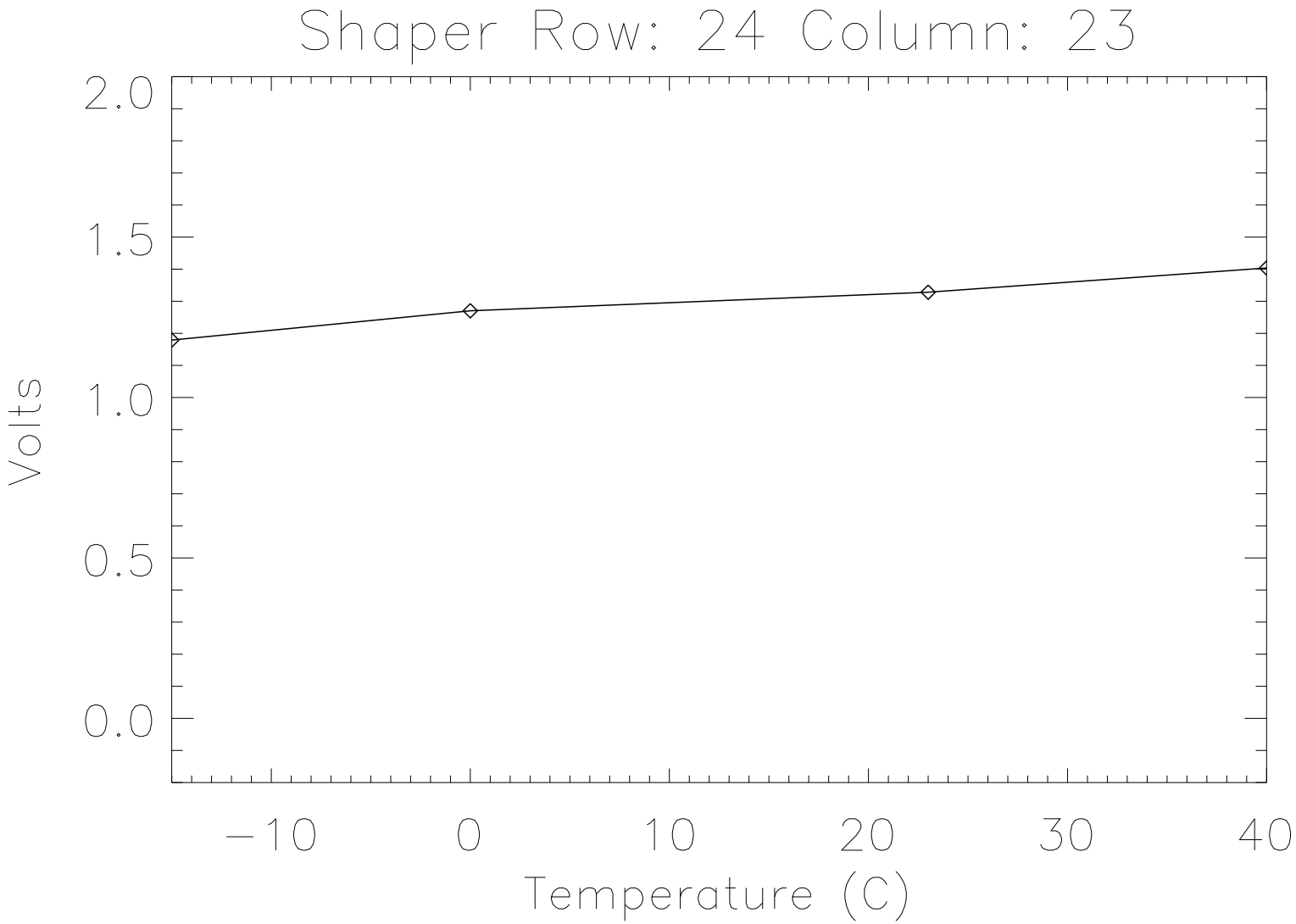

Leakage Row: 24 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

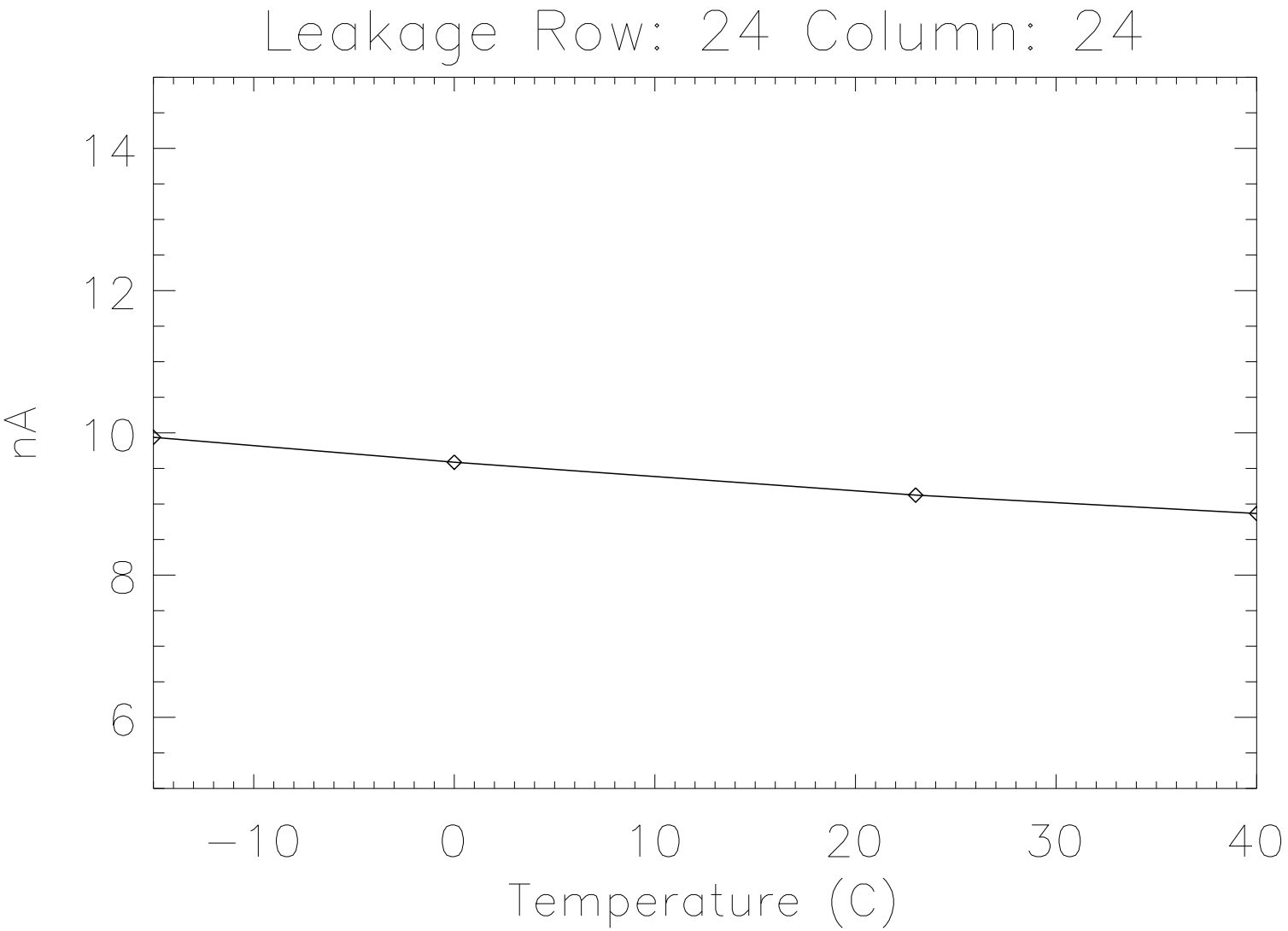

Preamp Row: 24 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

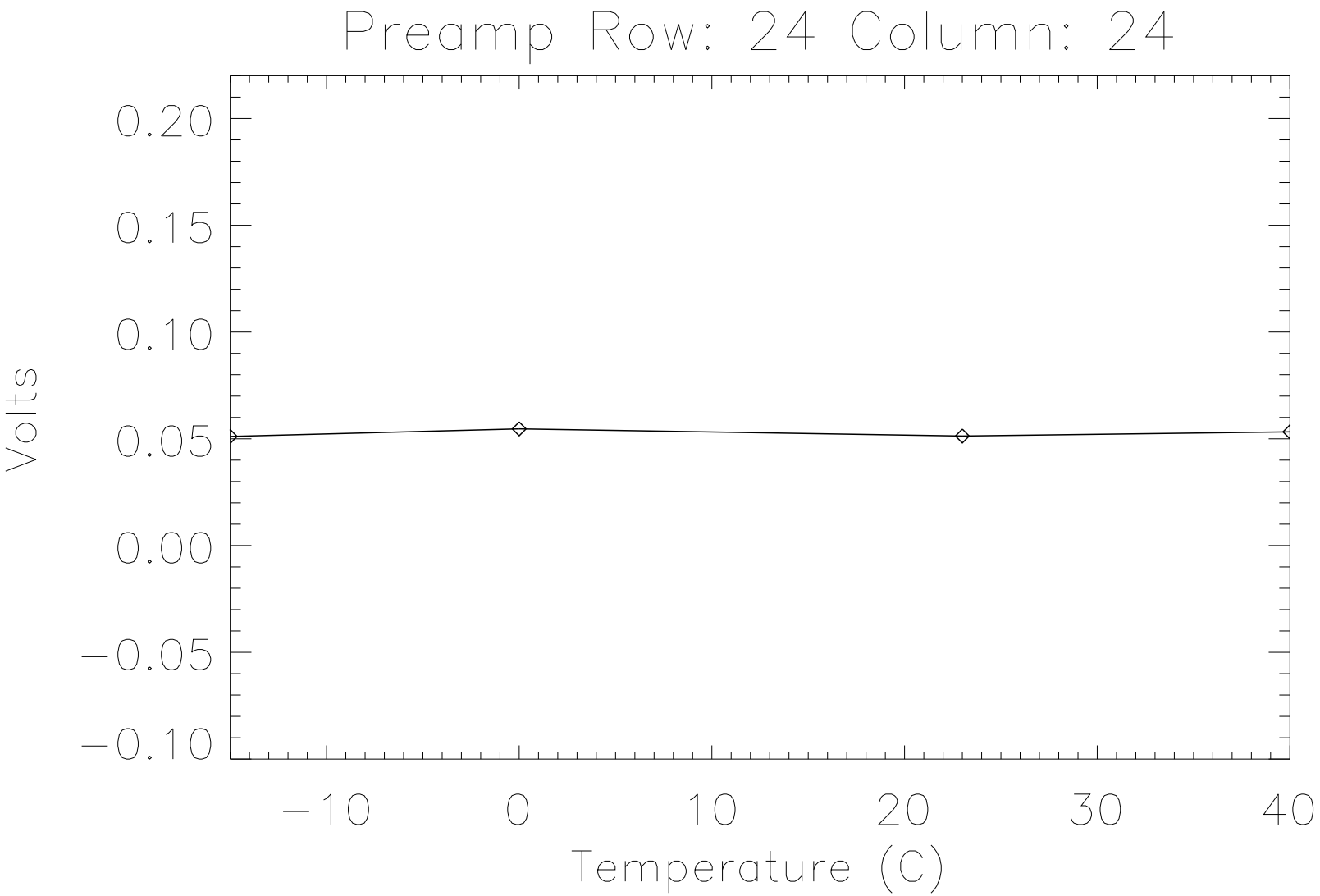

Shaper Row: 24 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

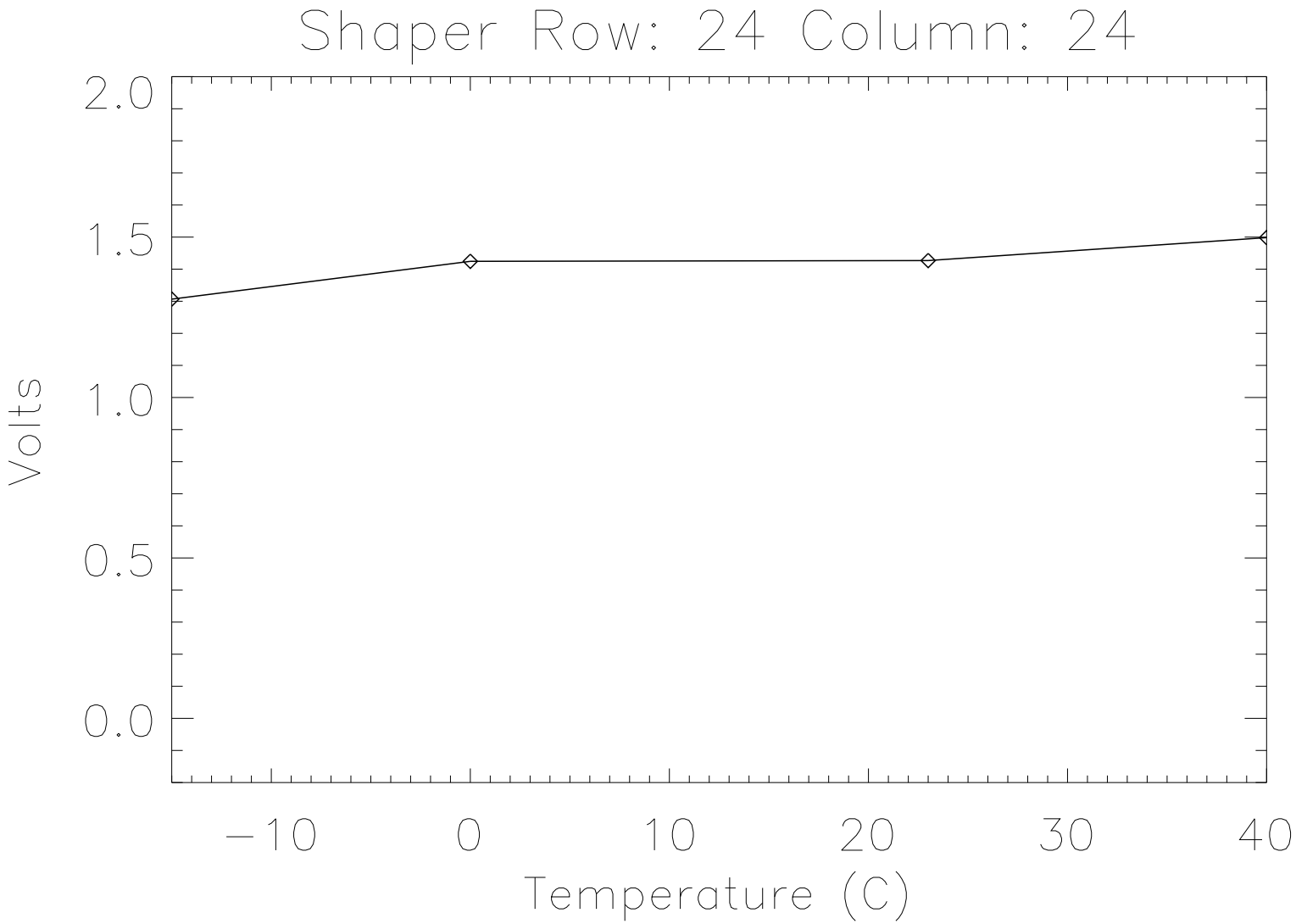

Leakage Row: 24 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 24 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 24 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 24 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 24 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 24 Column: 24
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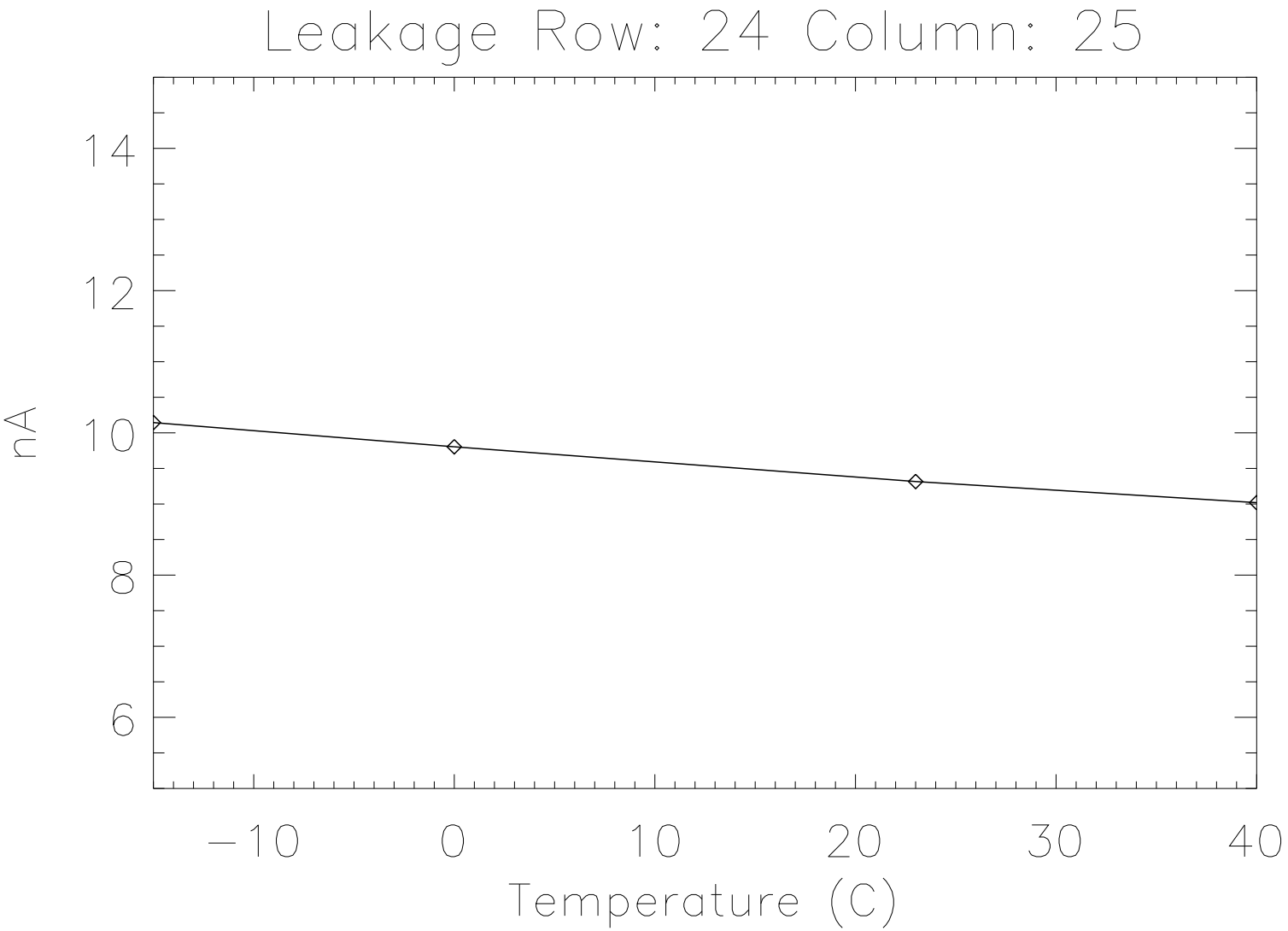
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 24 Column: 25
nA
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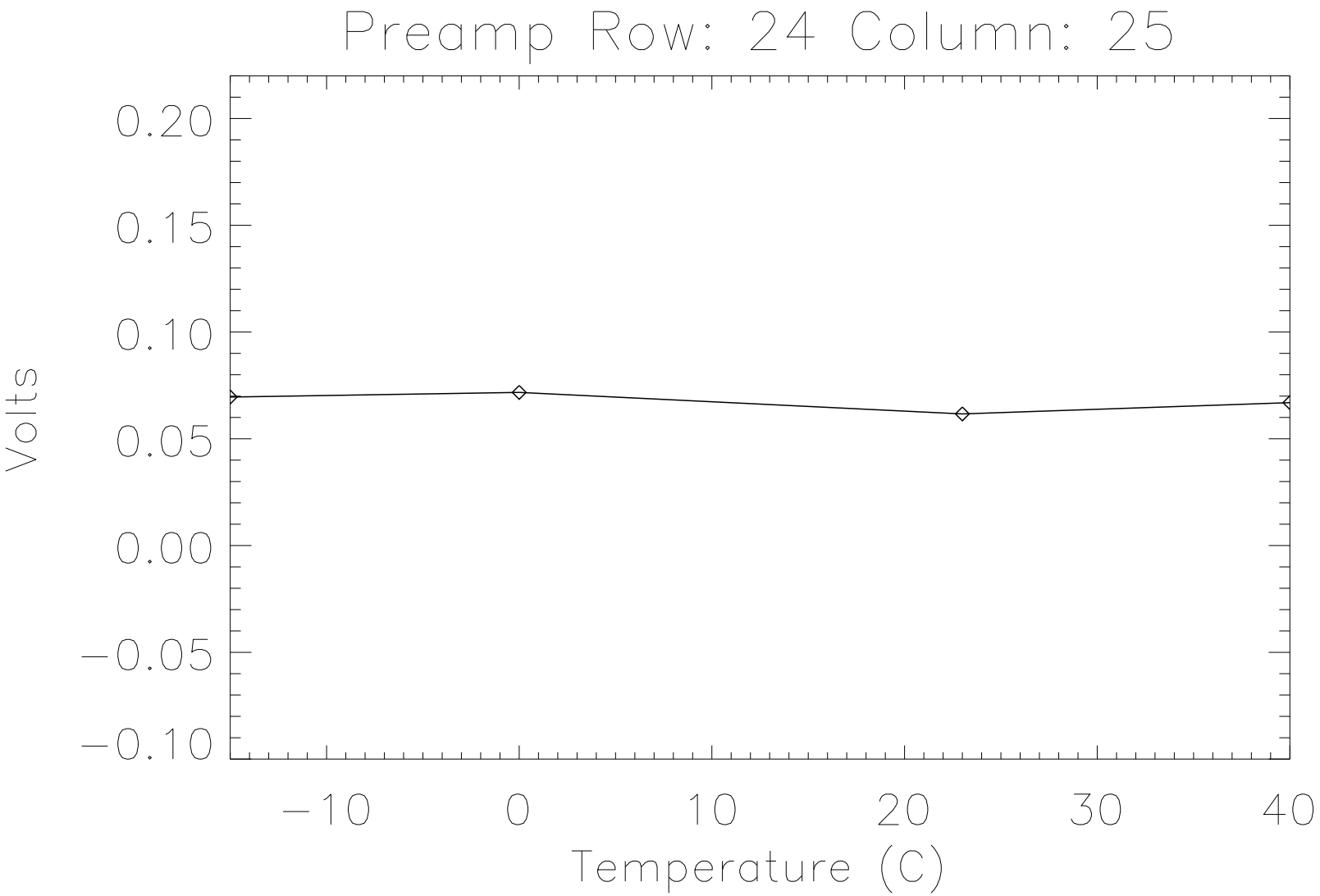
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 24 Column: 25
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0.10
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0.00
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−0.10
Volts
−10
0
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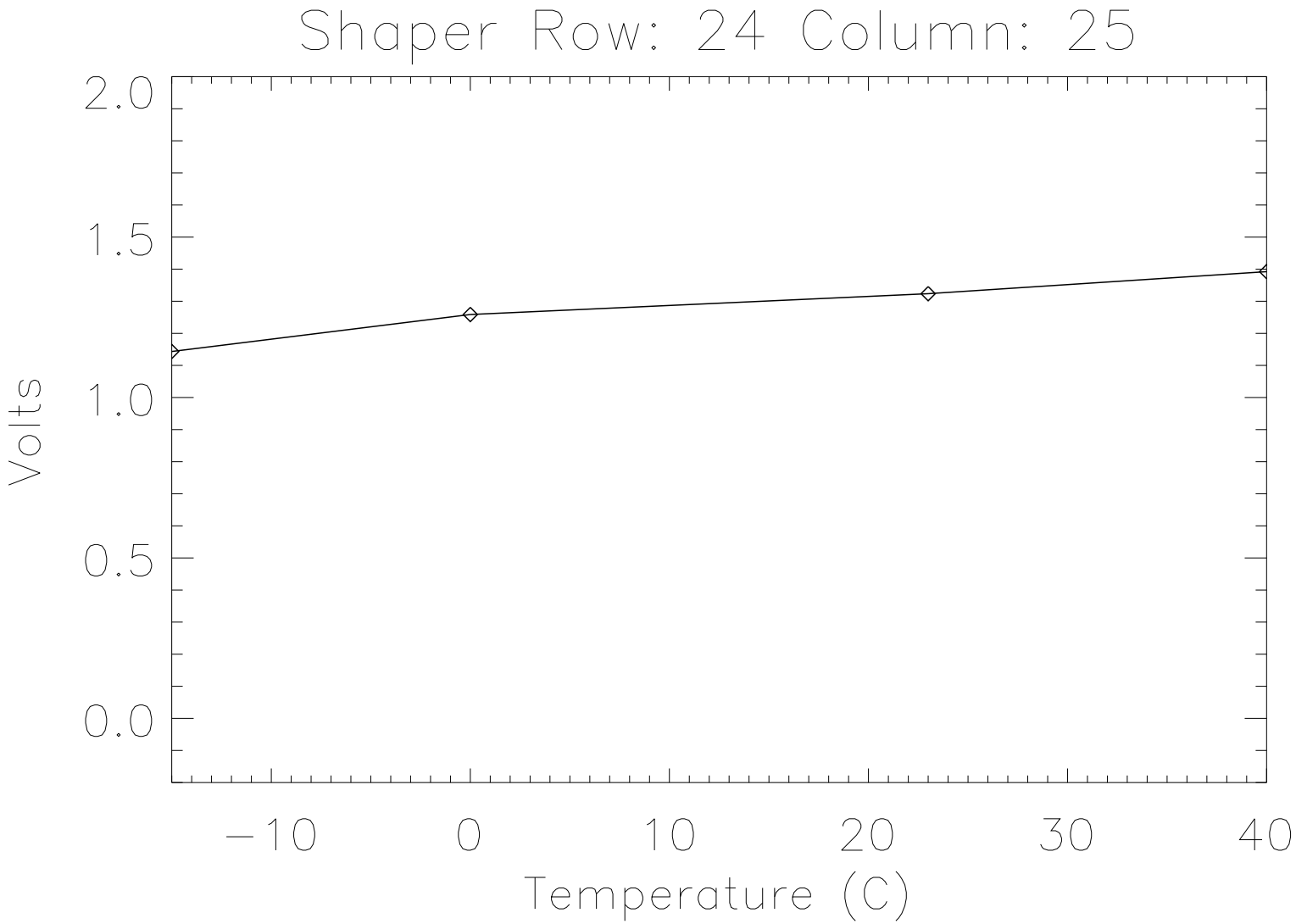
20
30
40
Temperature (C)


Shaper Row: 24 Column: 25
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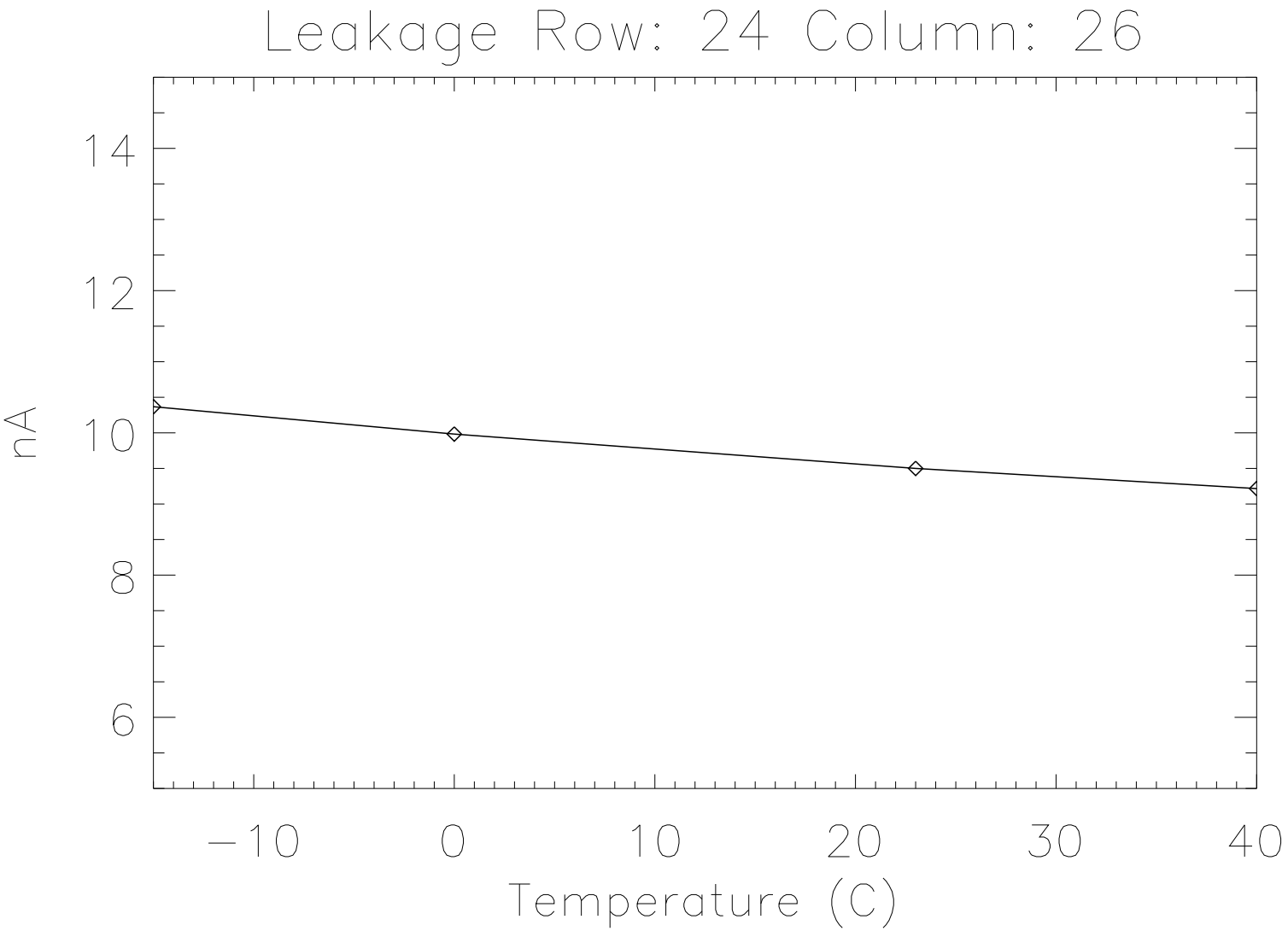
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 24 Column: 26
nA
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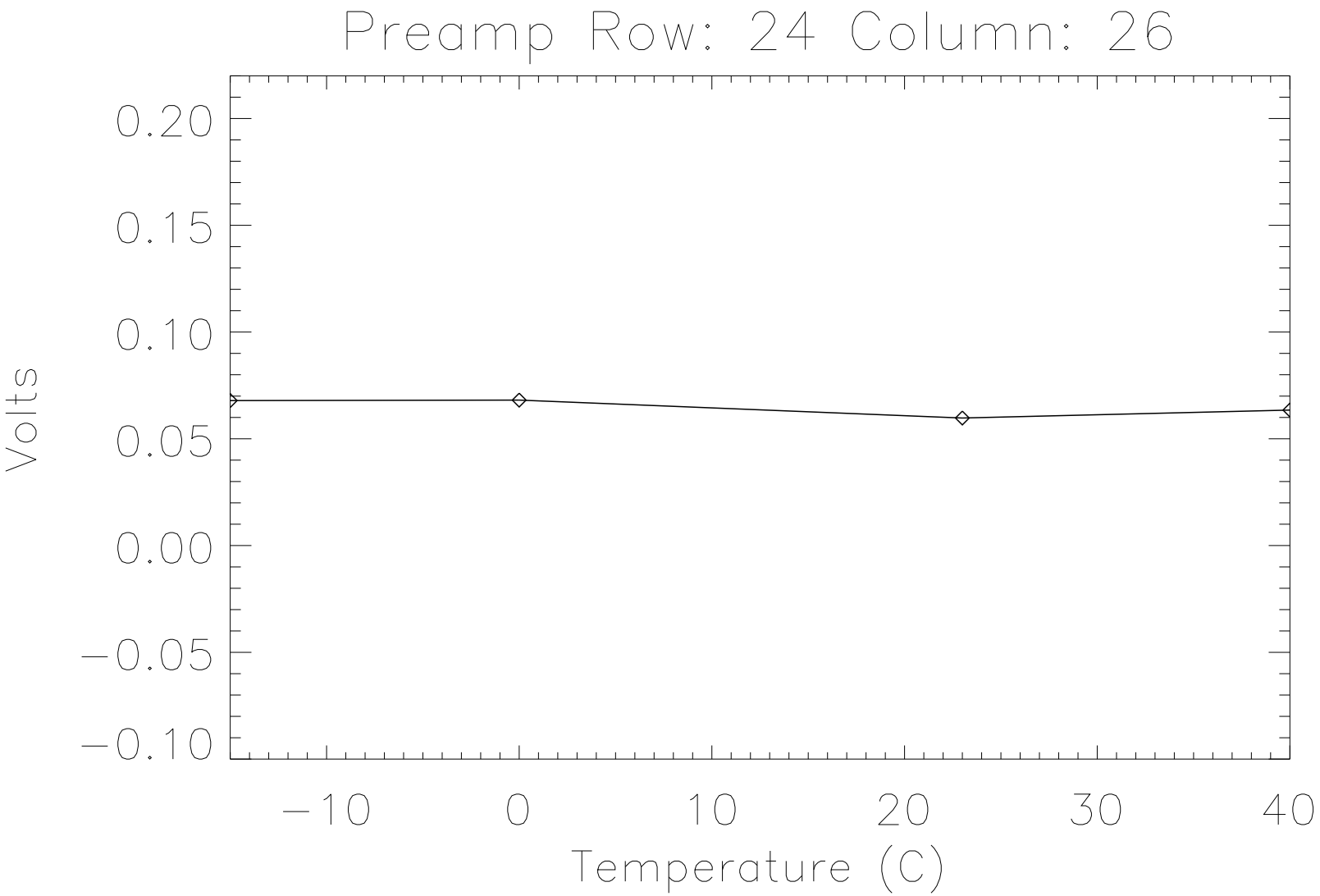
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 24 Column: 26
0.20
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0.10
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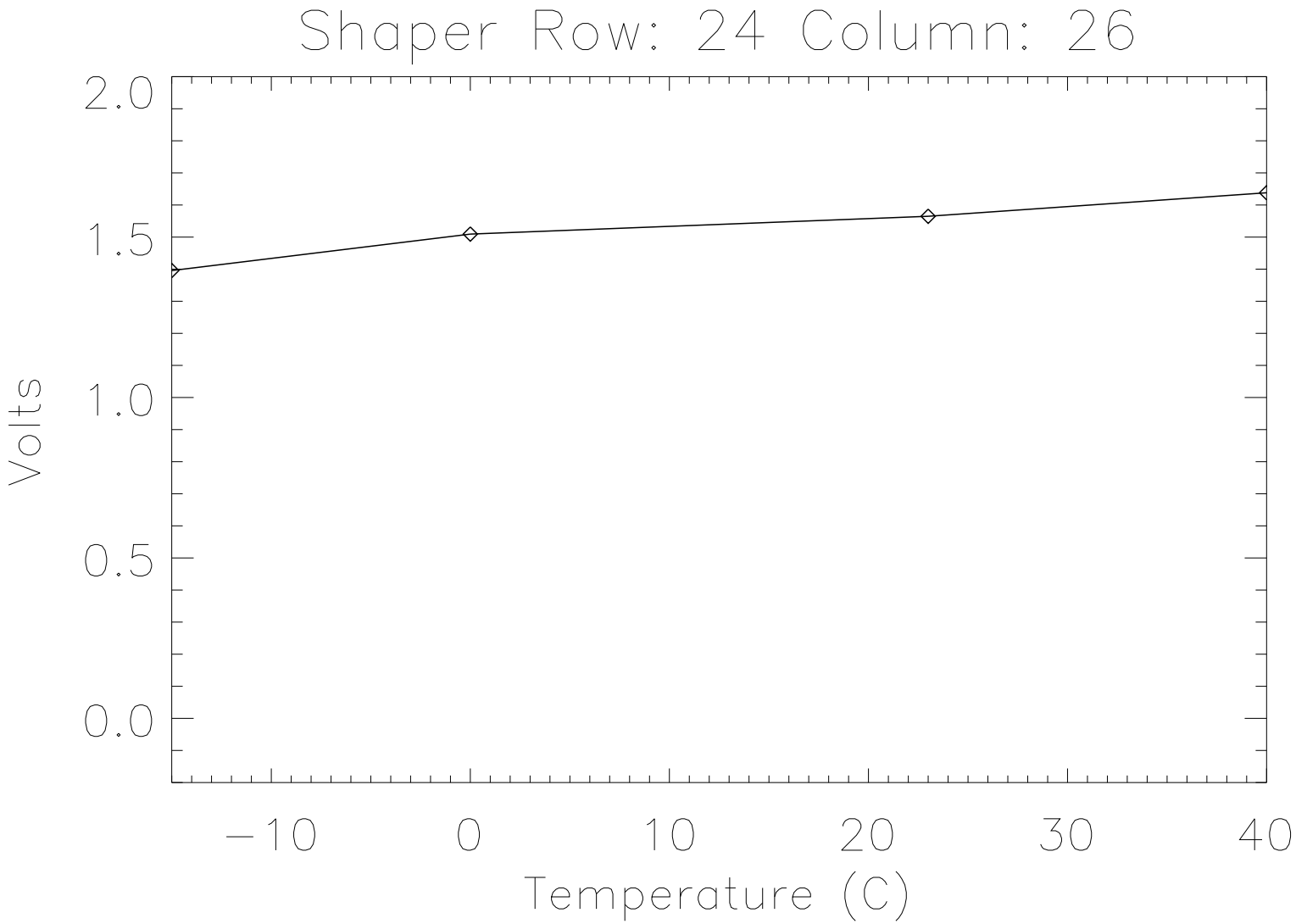
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 24 Column: 26
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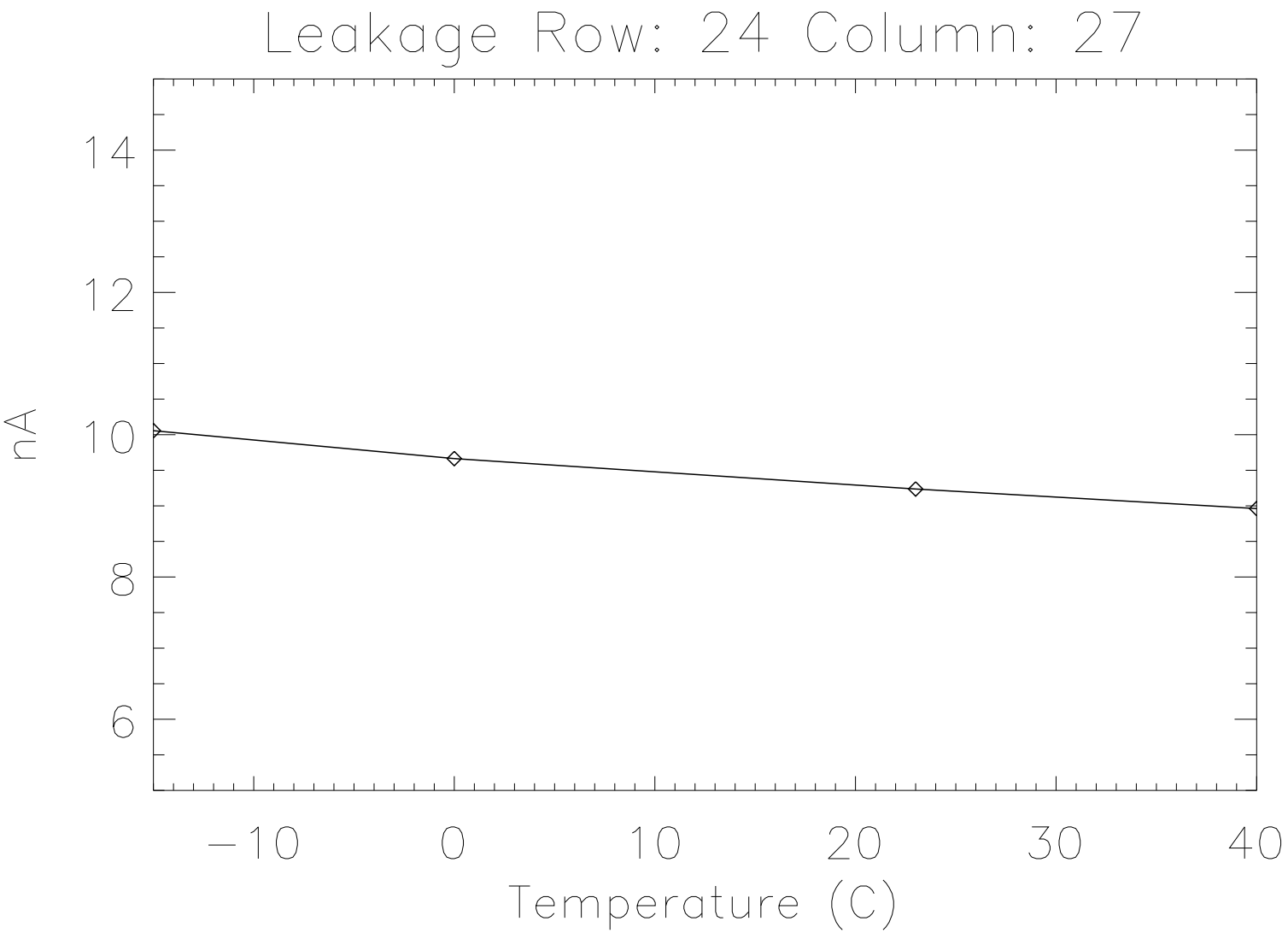
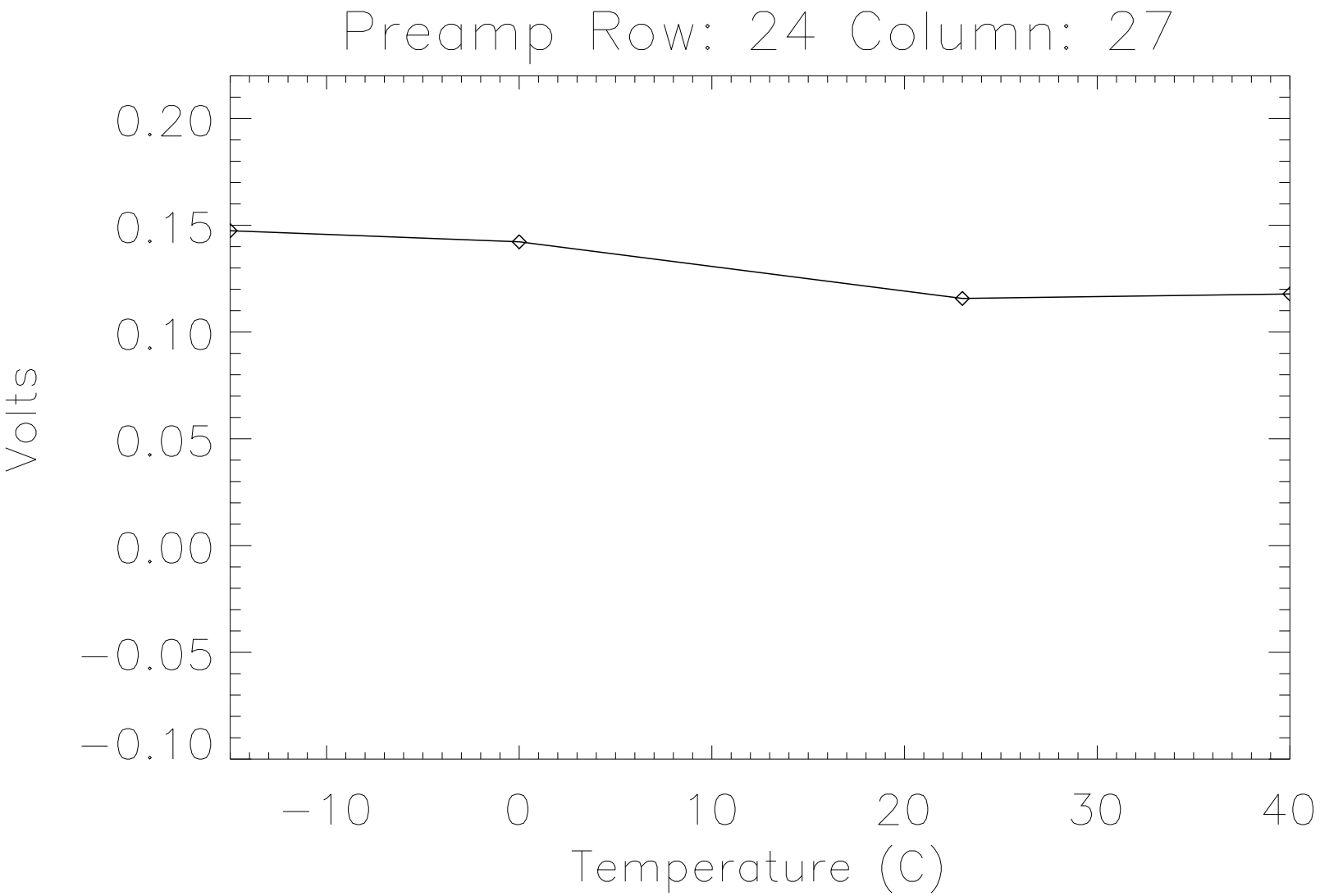
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 24 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 24 Column: 27
0.20
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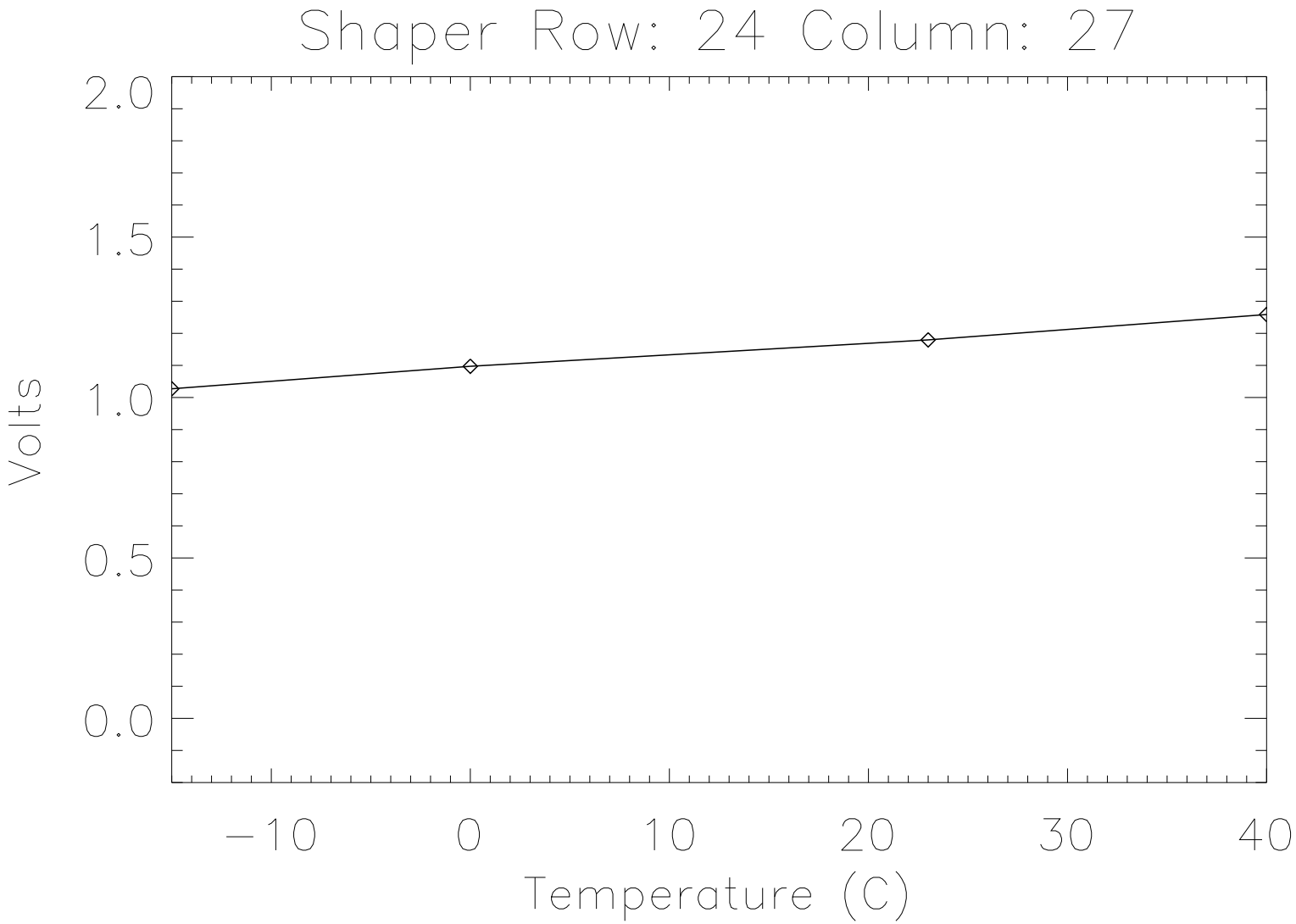
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 24 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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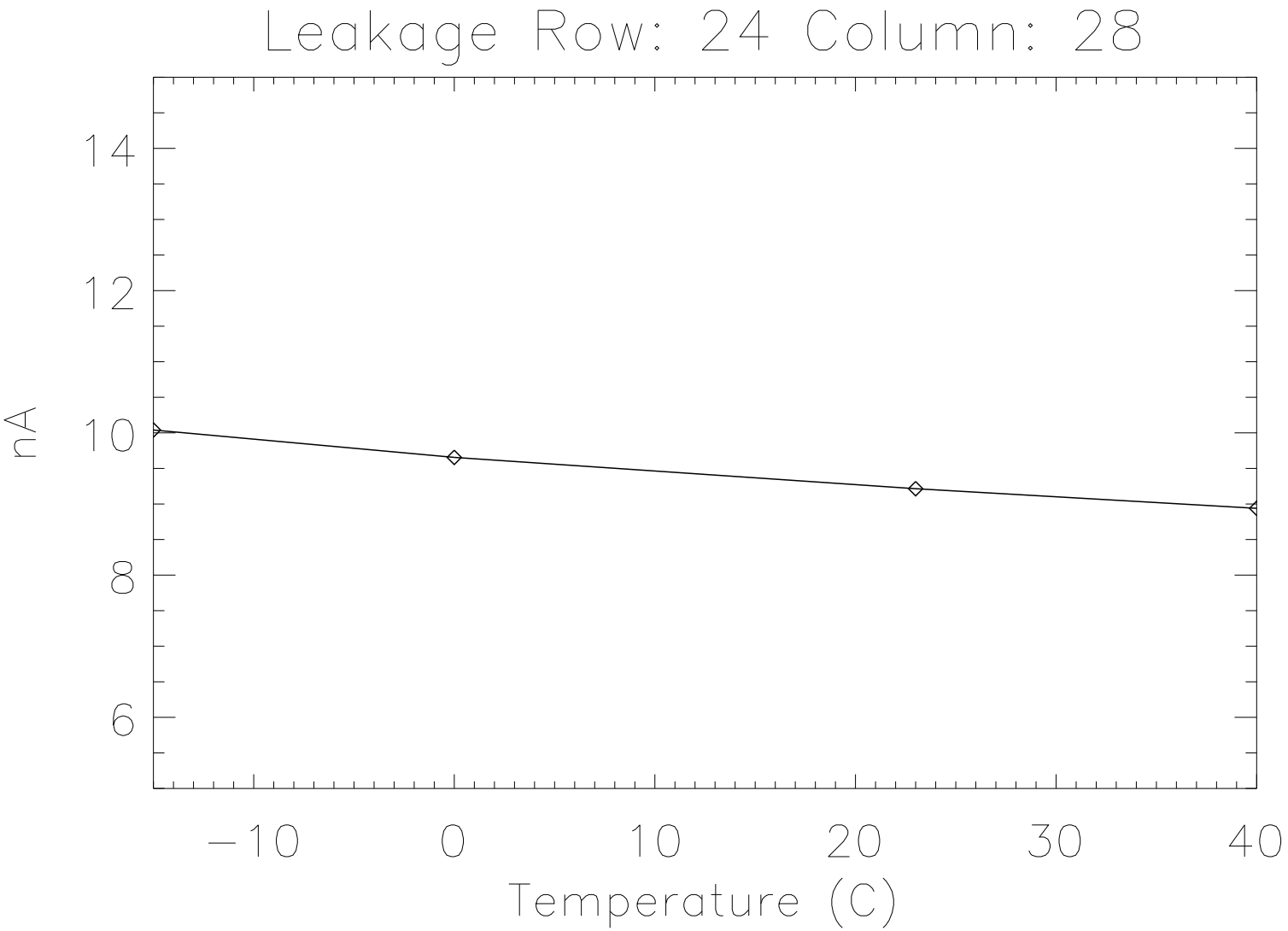
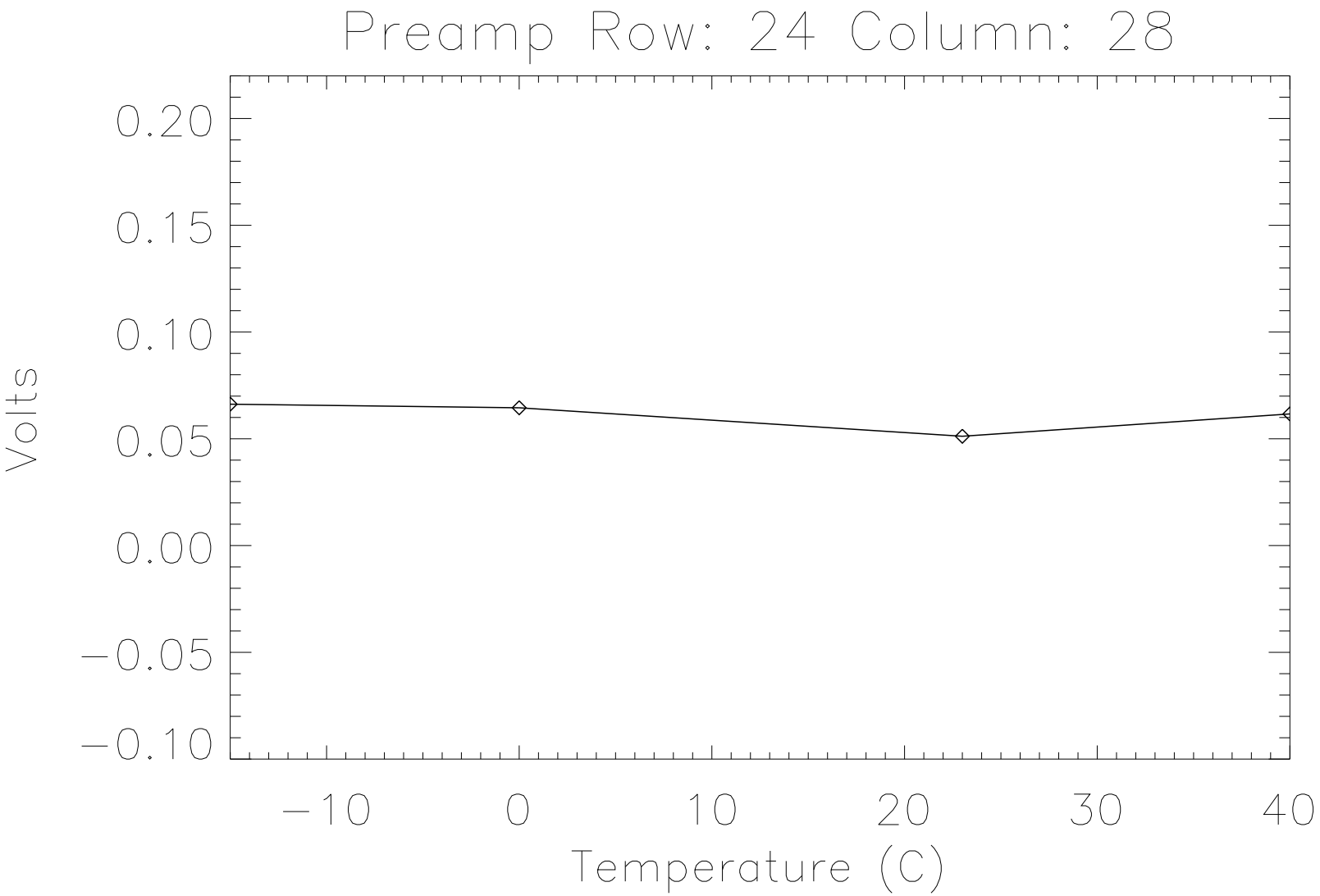
30
40
Temperature (C)


Leakage Row: 24 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 24 Column: 28
0.20
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0.10
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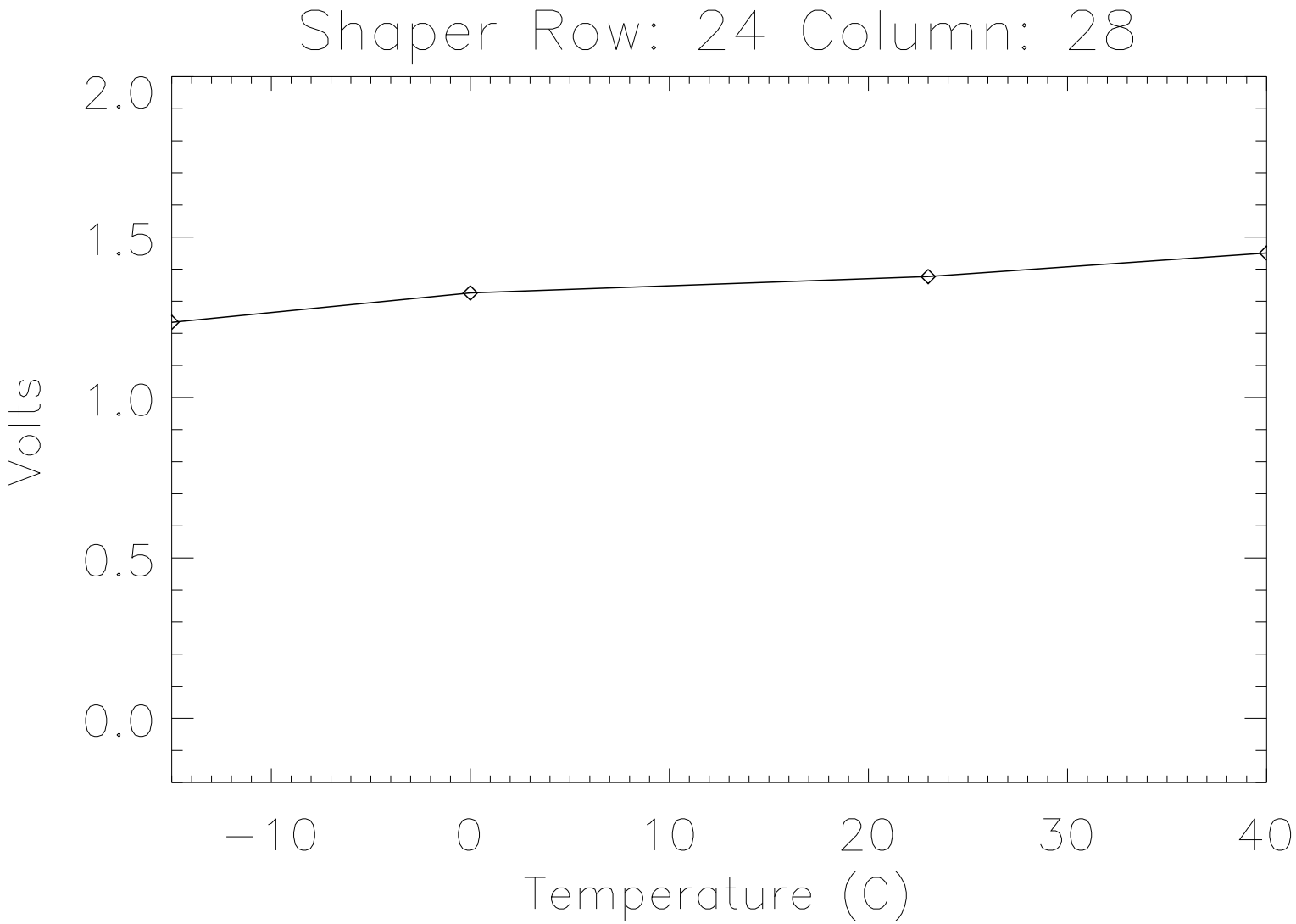
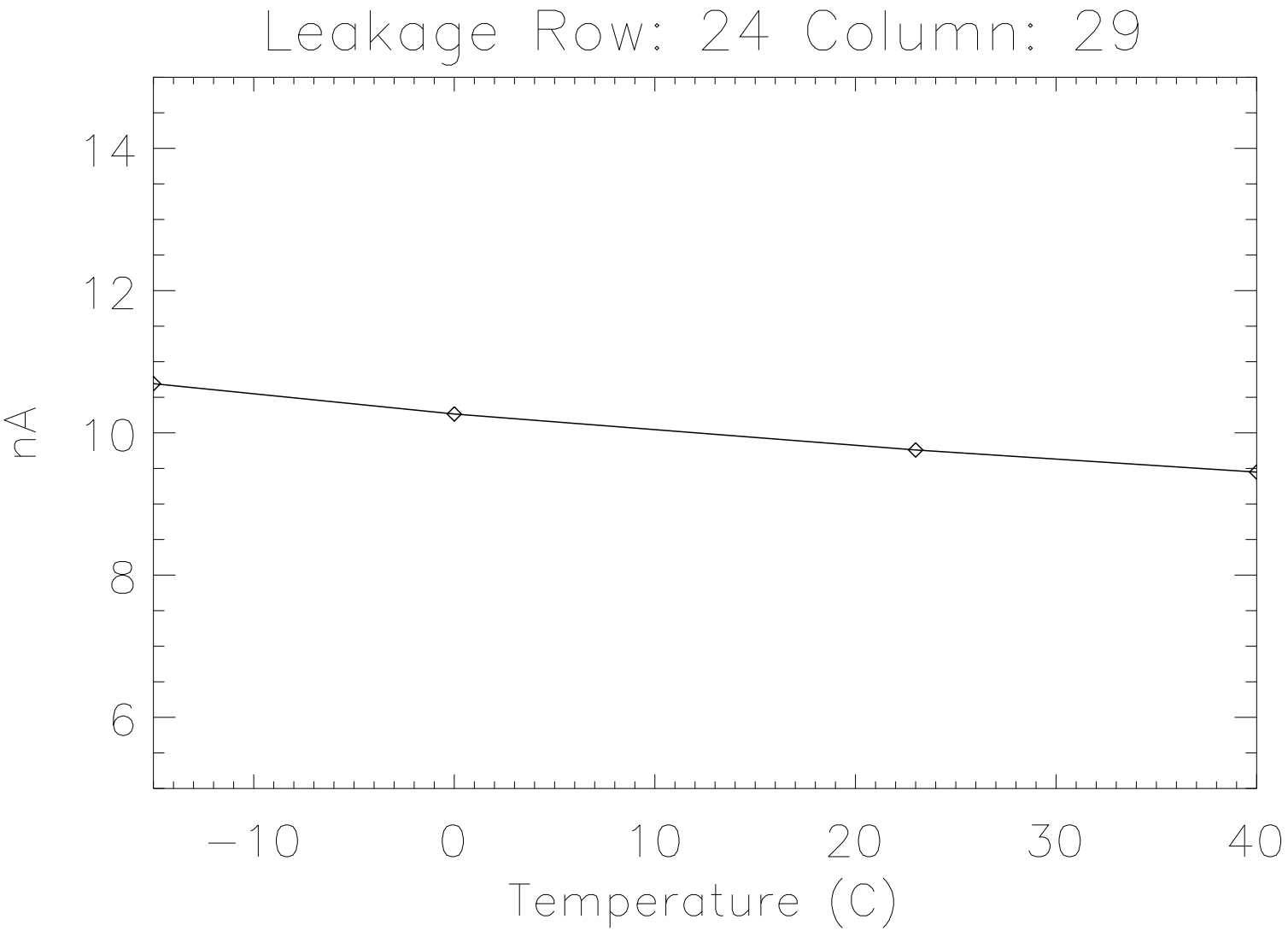
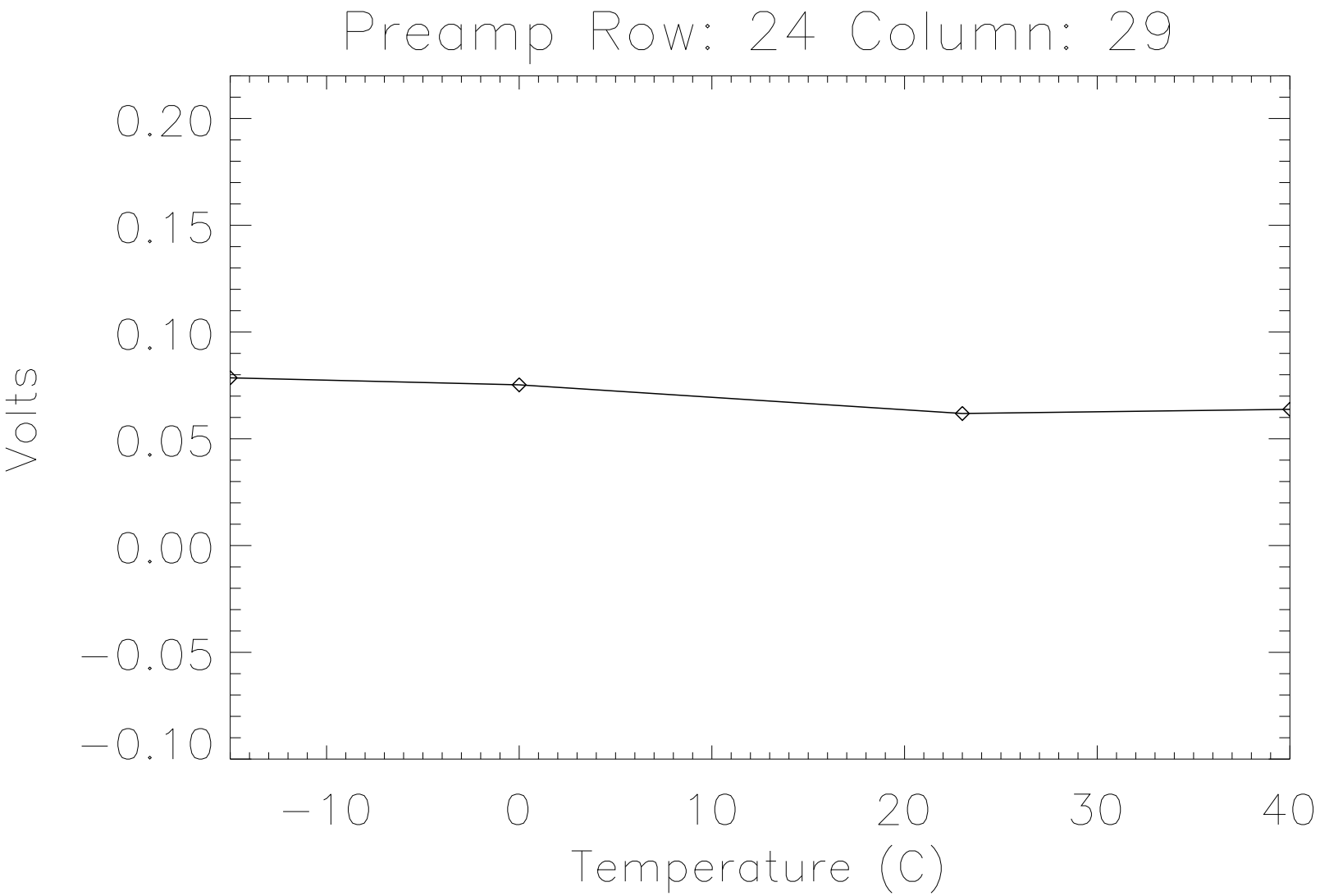
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 24 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 24 Column: 29
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 24 Column: 29
Volts
0.20
0.15
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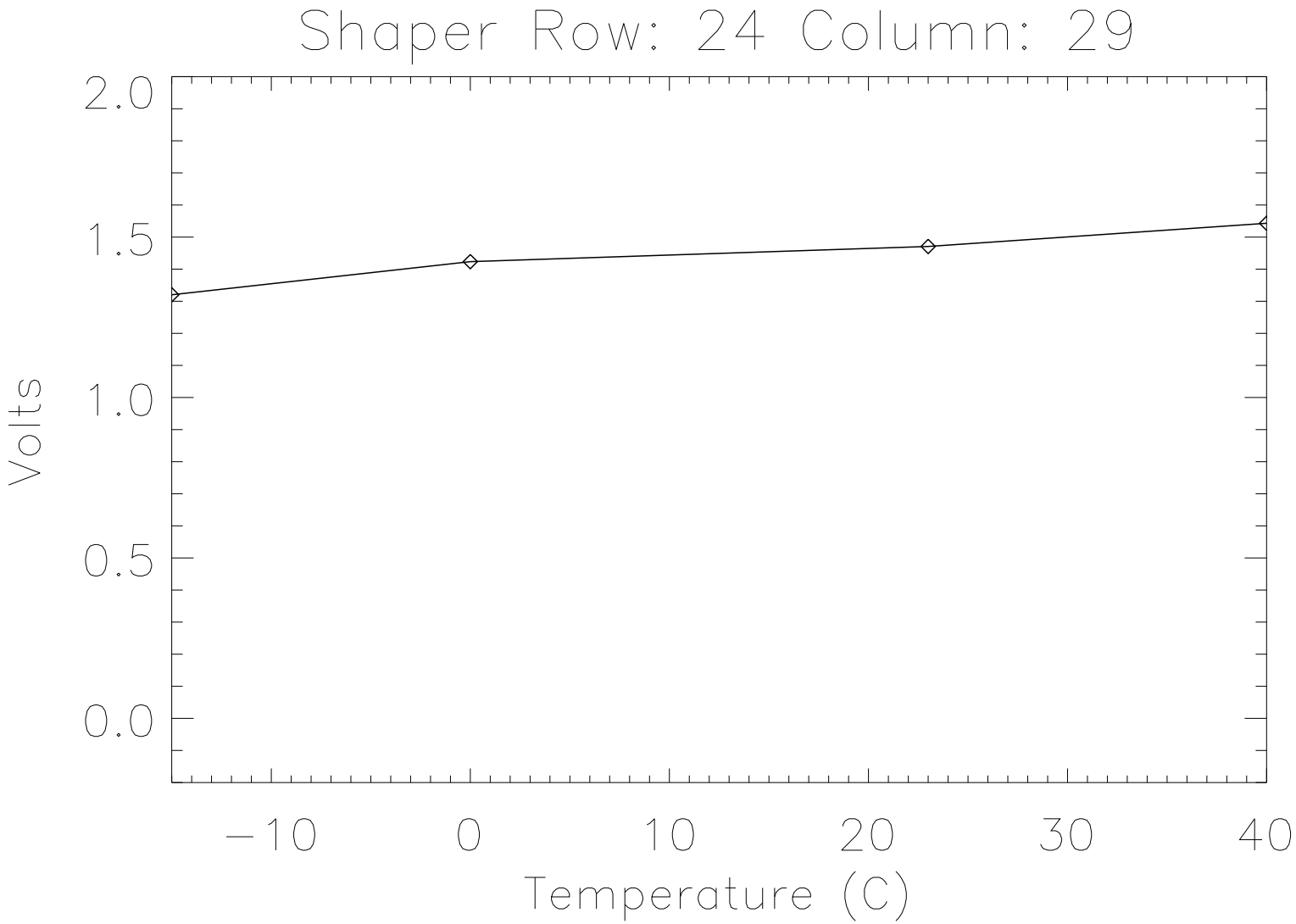
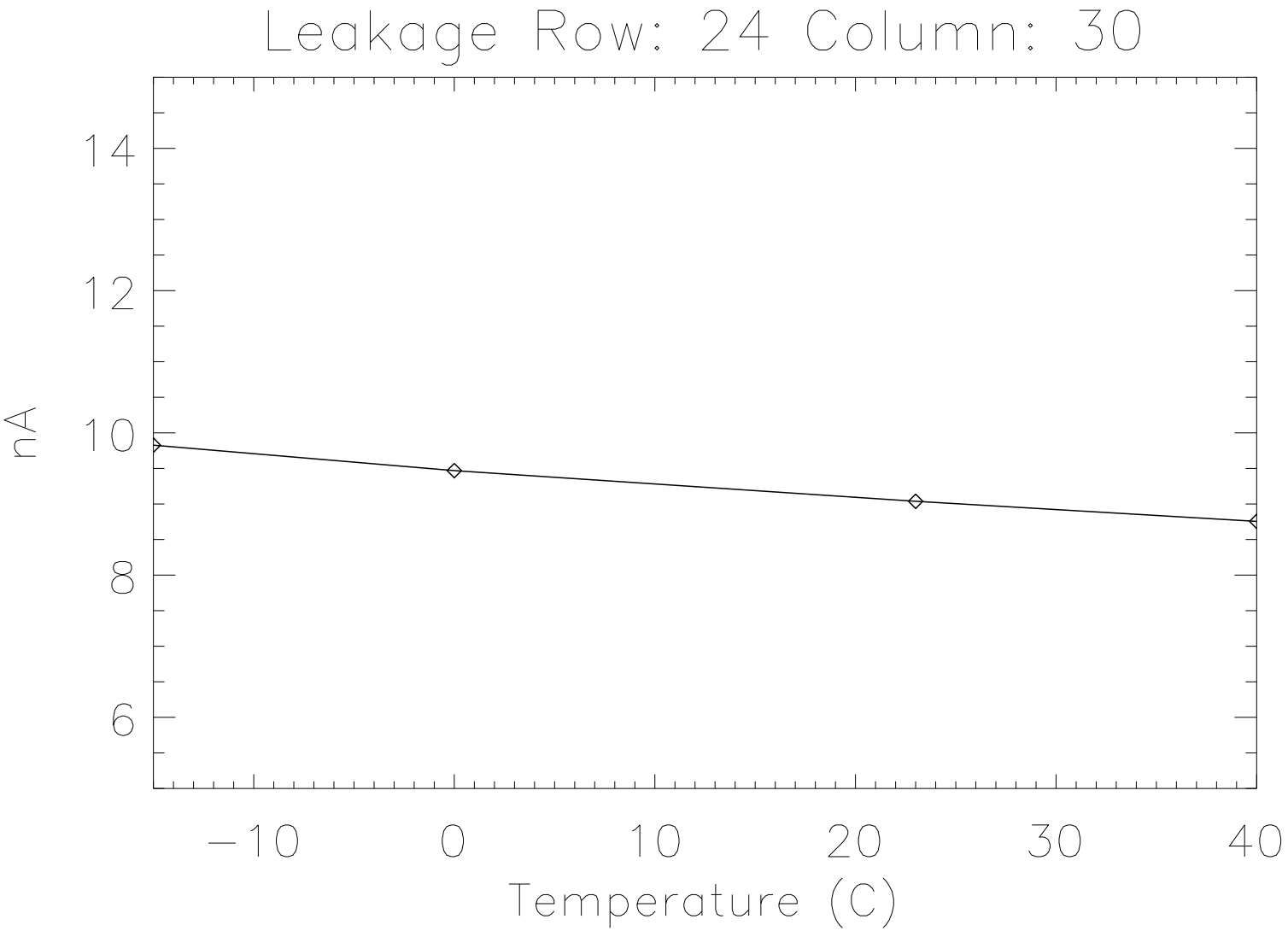
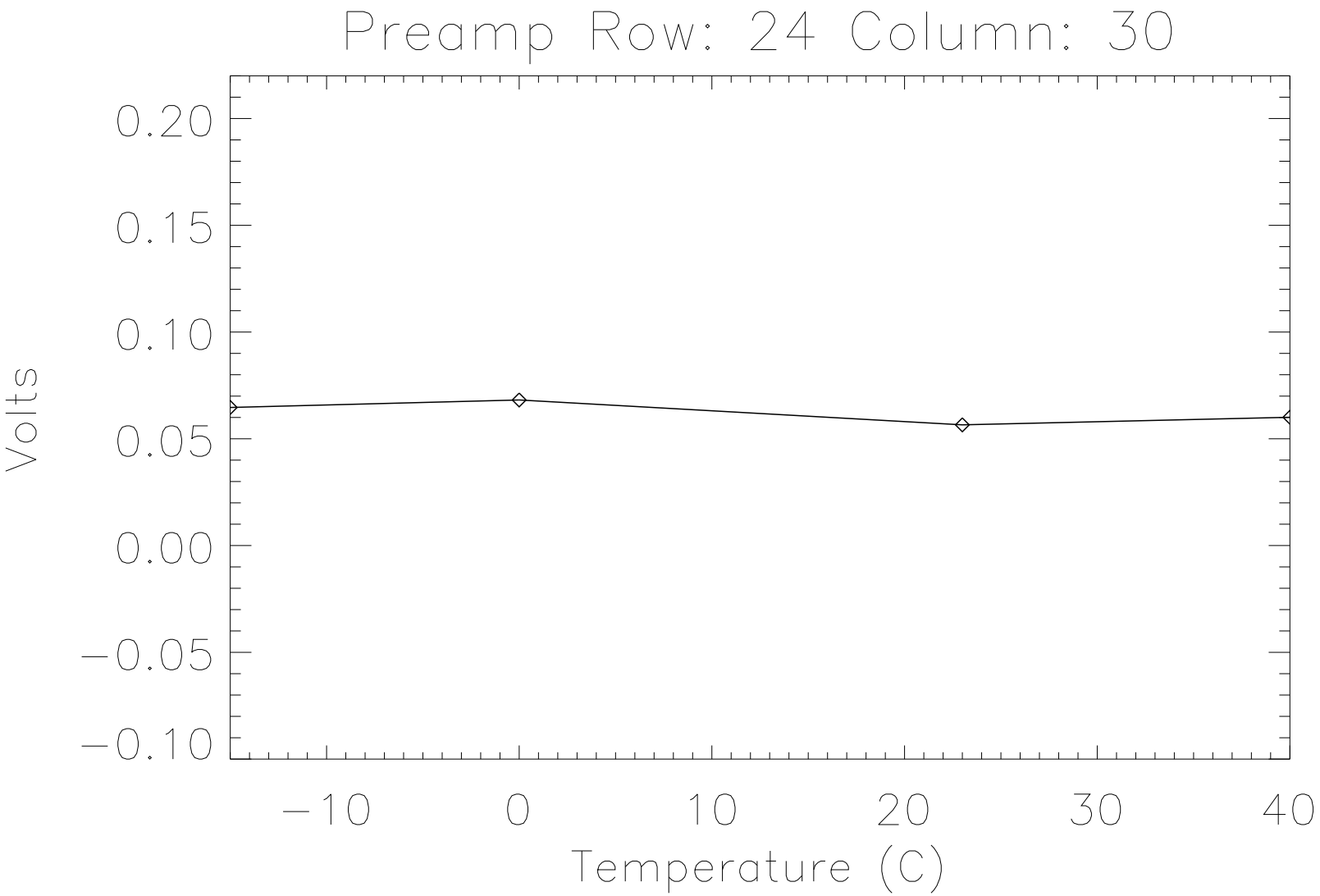
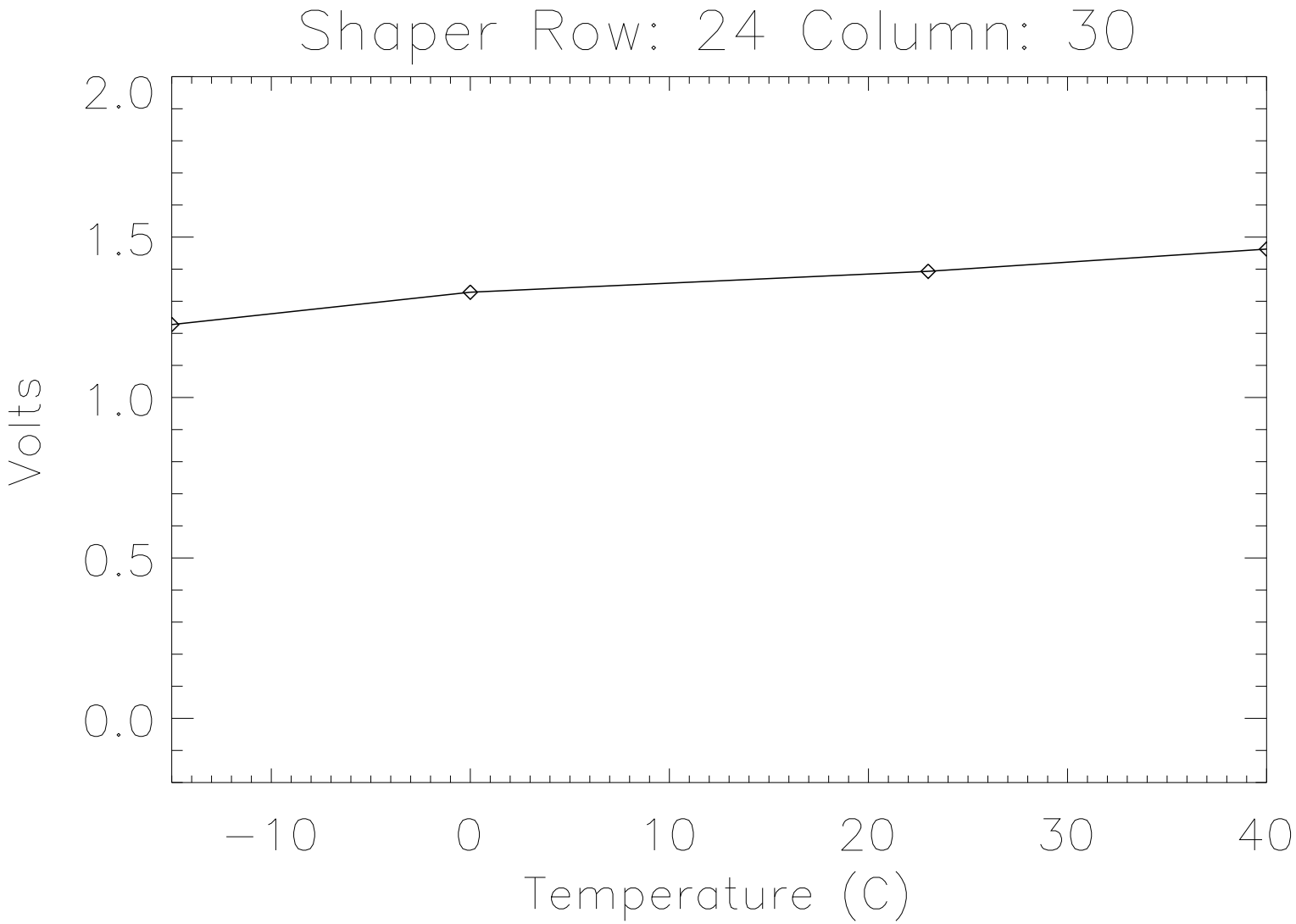
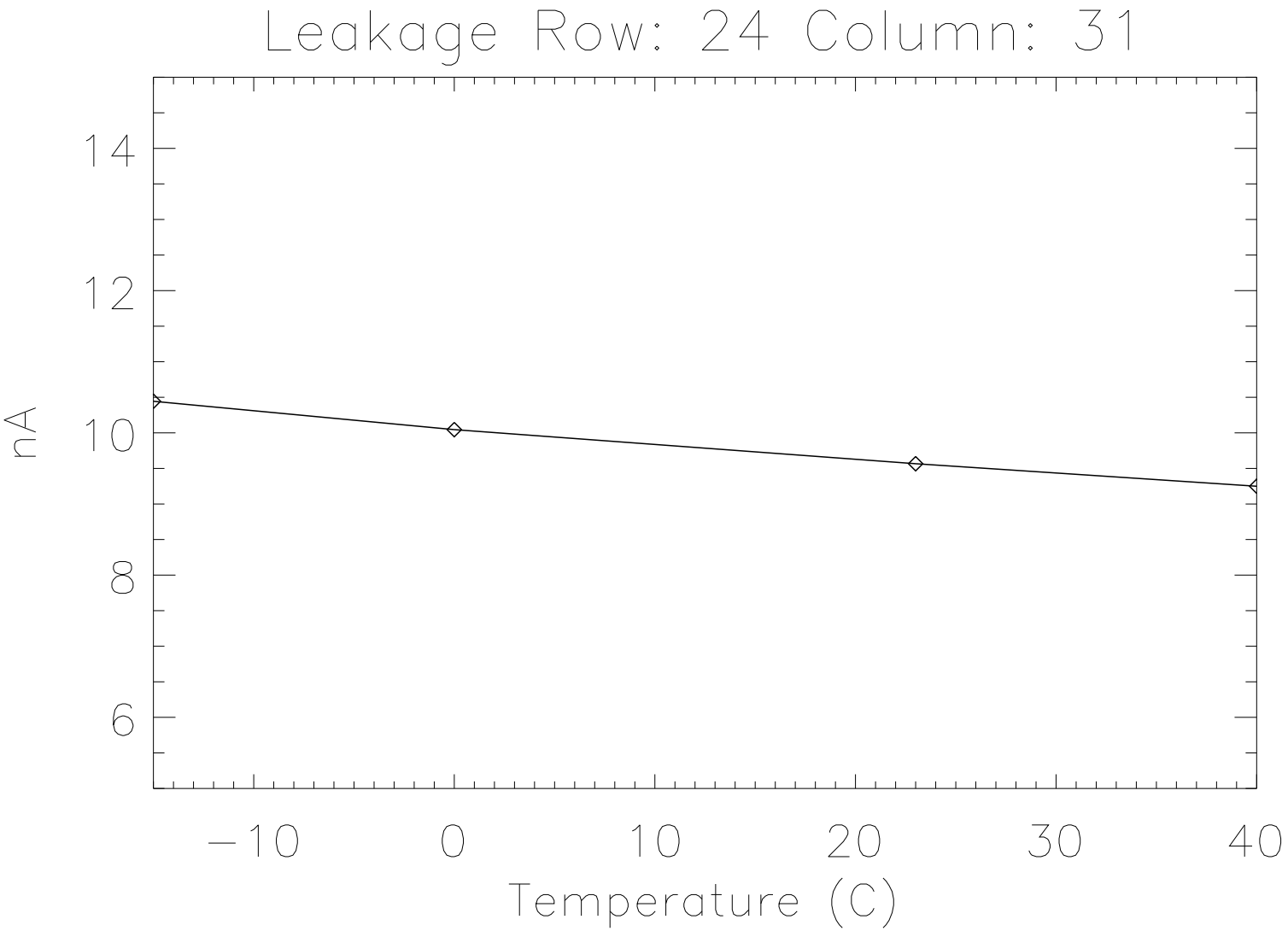
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

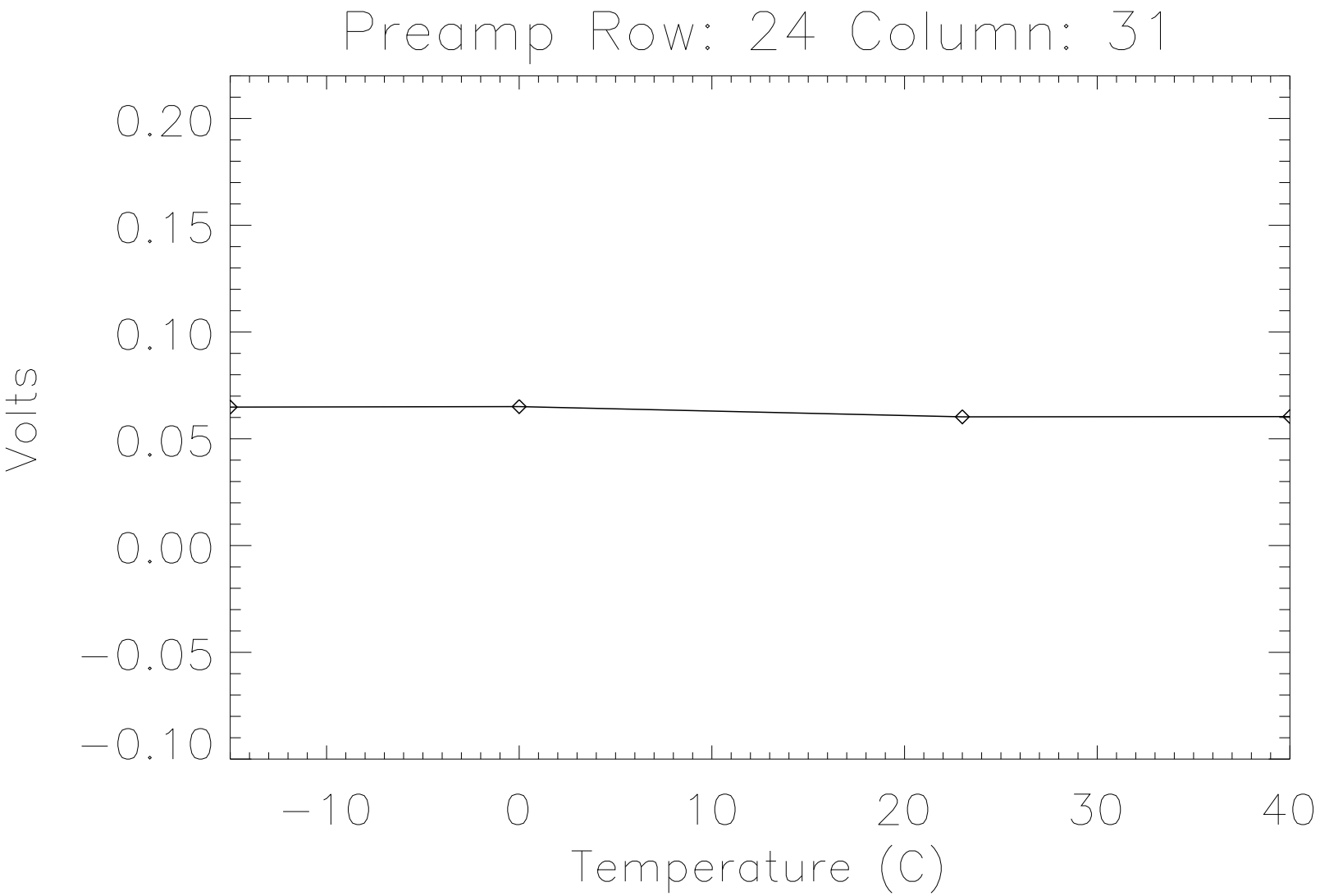

Shaper Row: 24 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

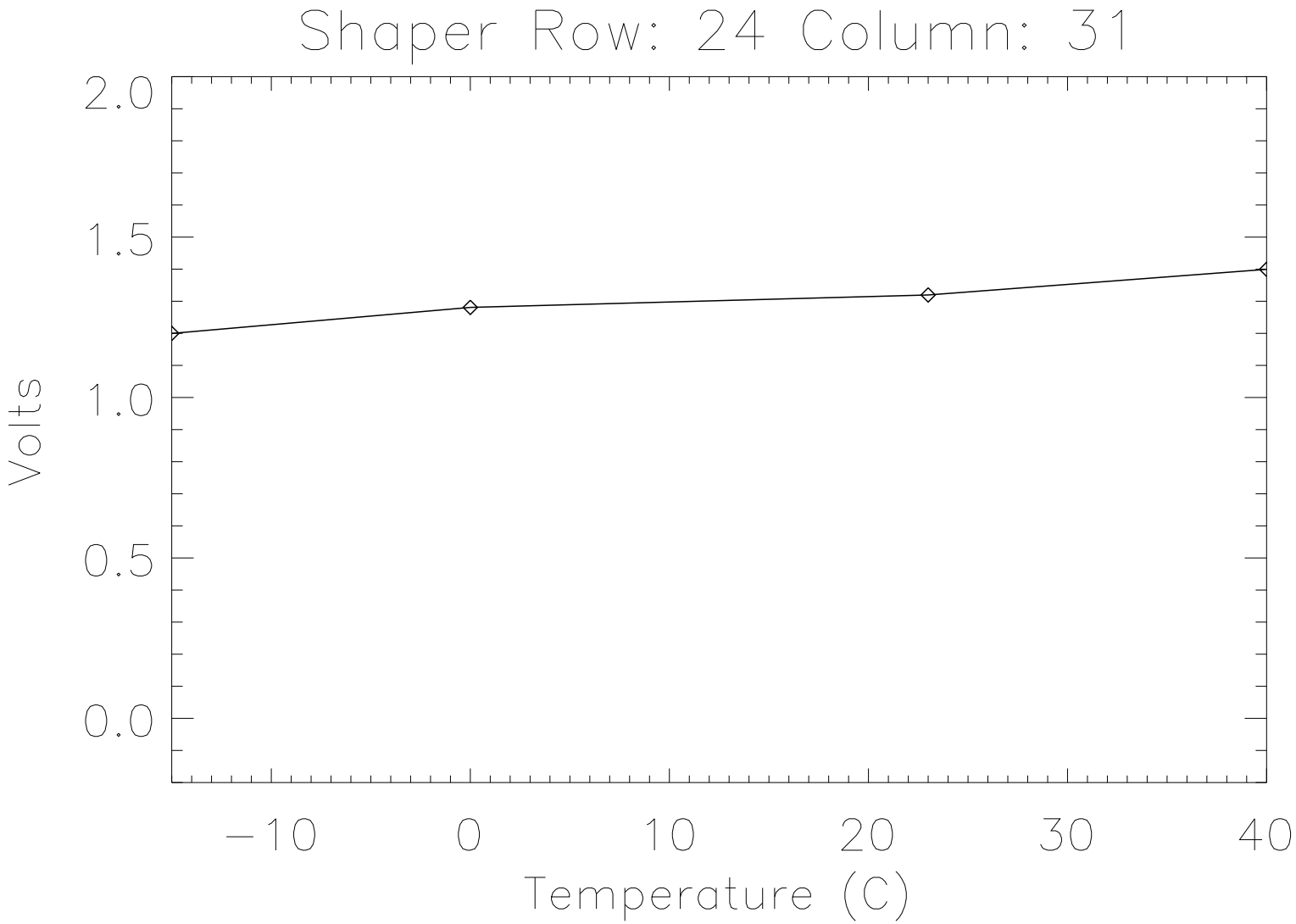

Leakage Row: 24 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

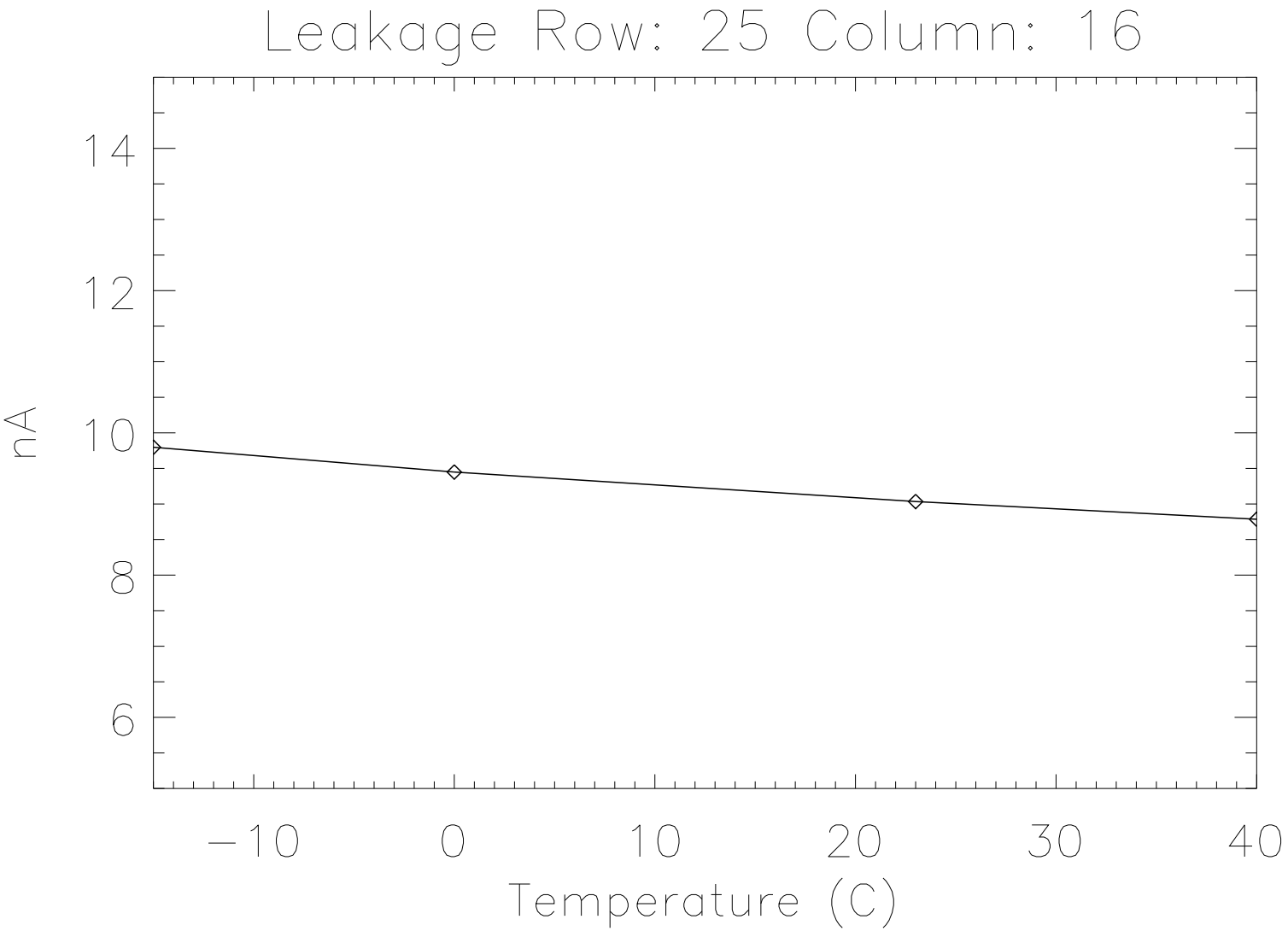

Preamp Row: 24 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

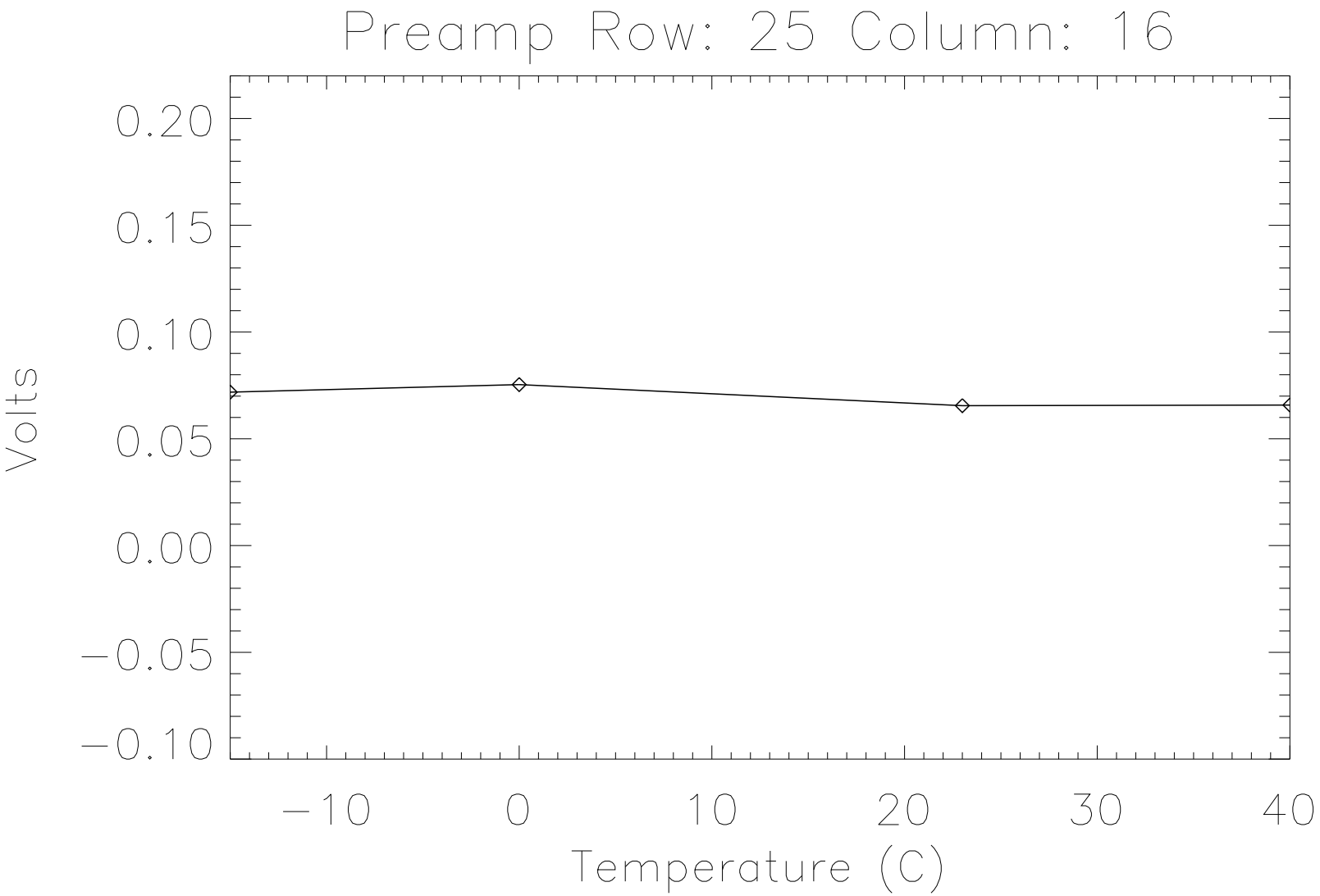

Shaper Row: 24 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

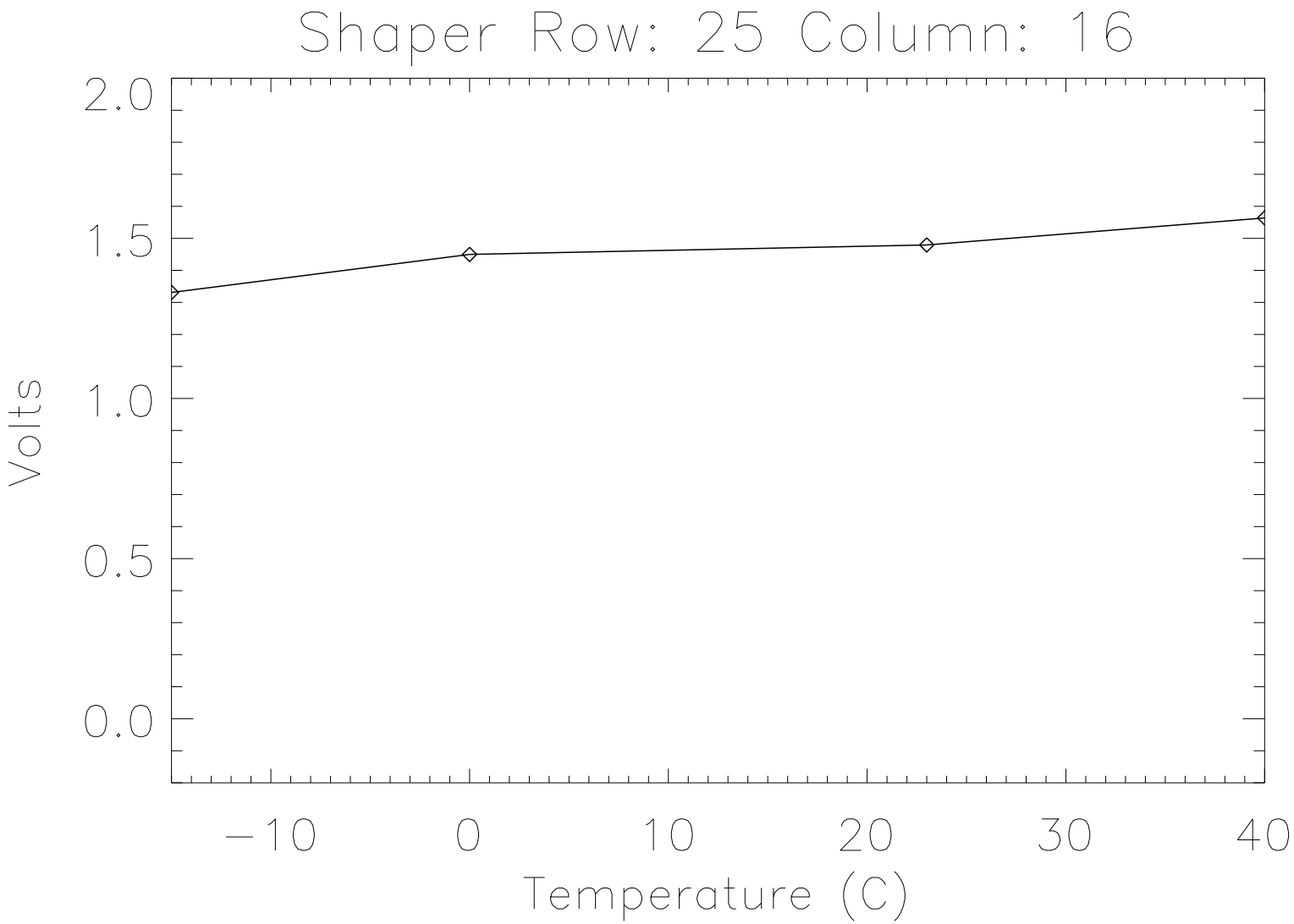

Leakage Row: 24 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

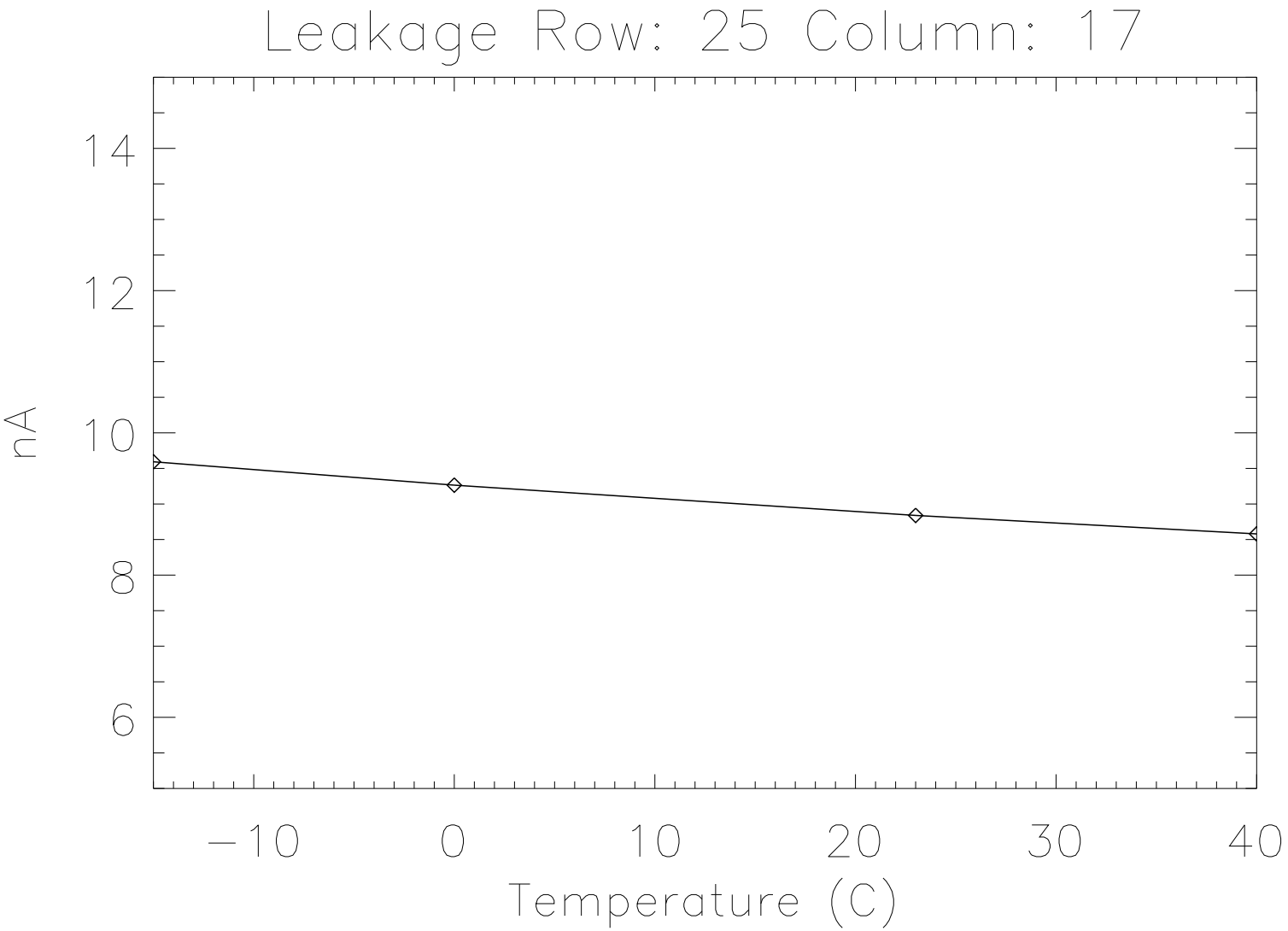

Preamp Row: 24 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

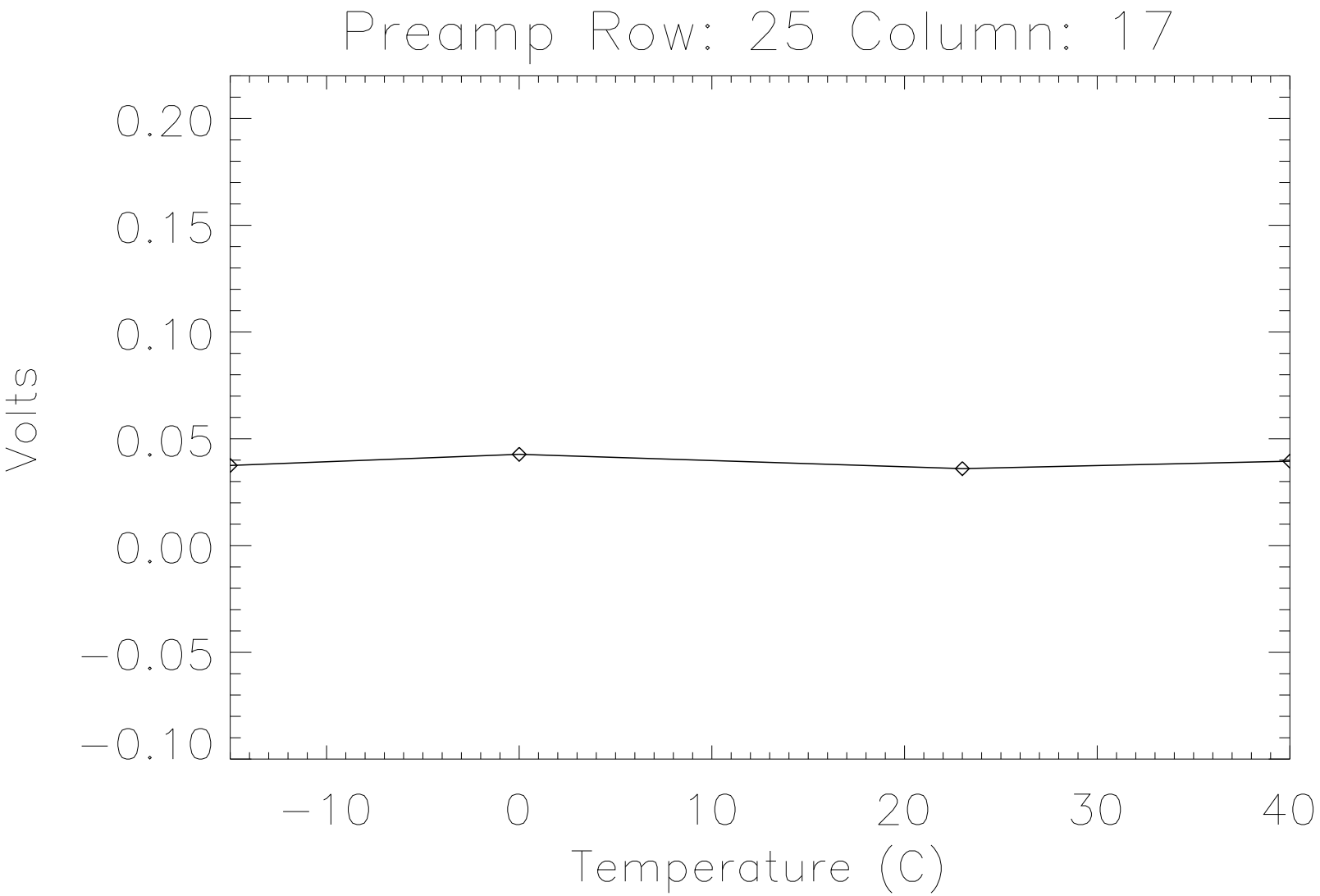

Shaper Row: 24 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

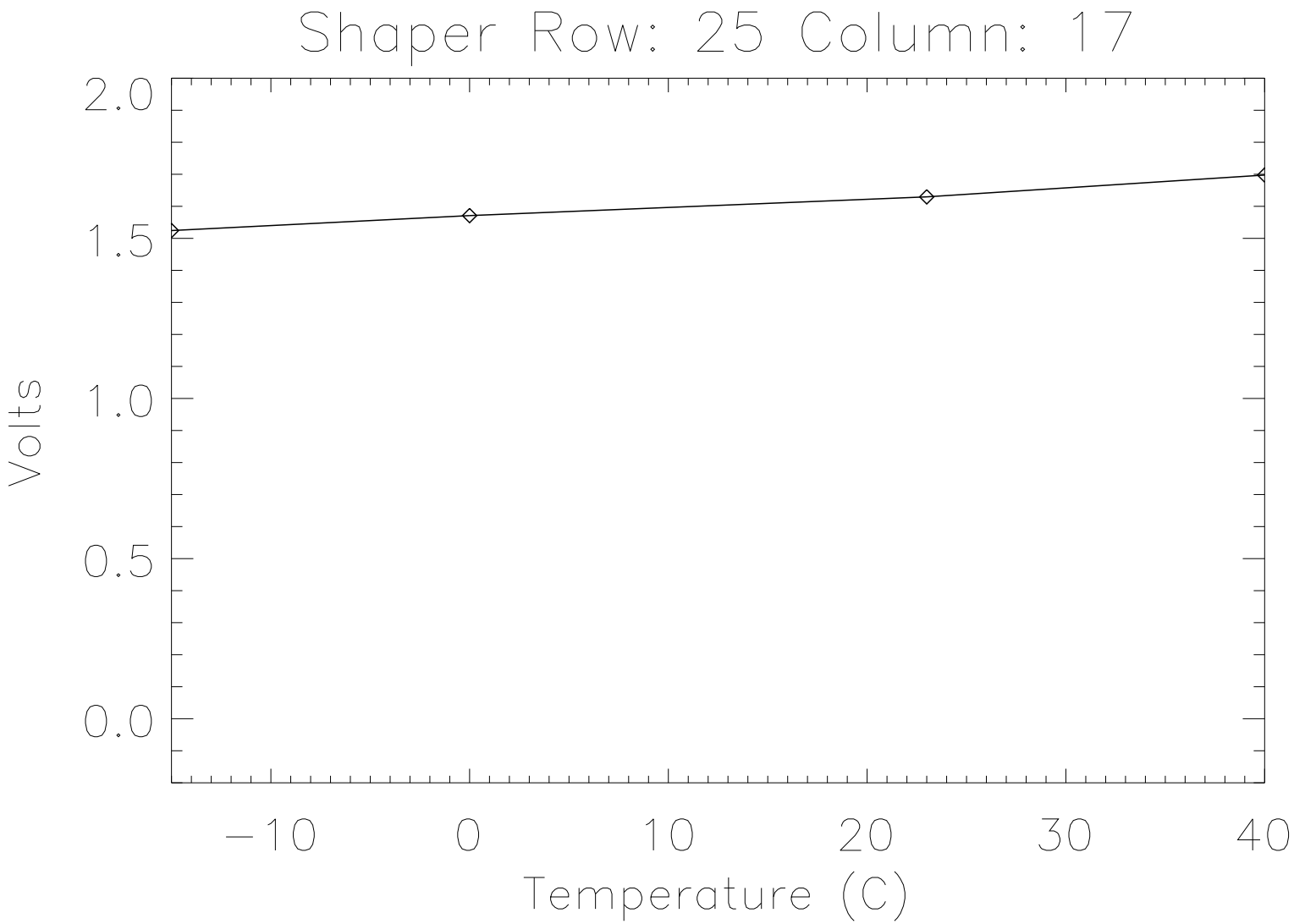

Leakage Row: 25 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

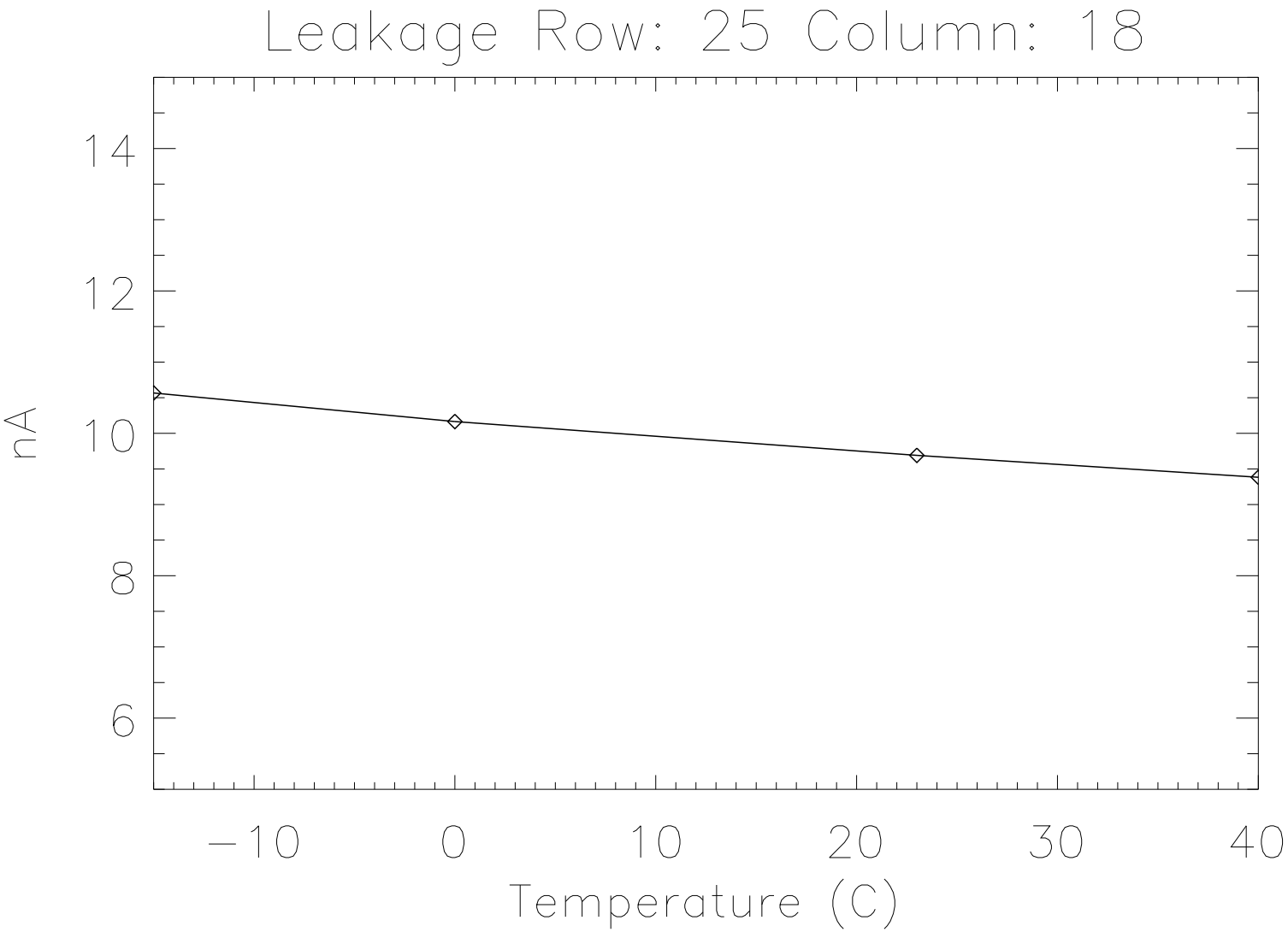

Preamp Row: 25 Column: 16
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

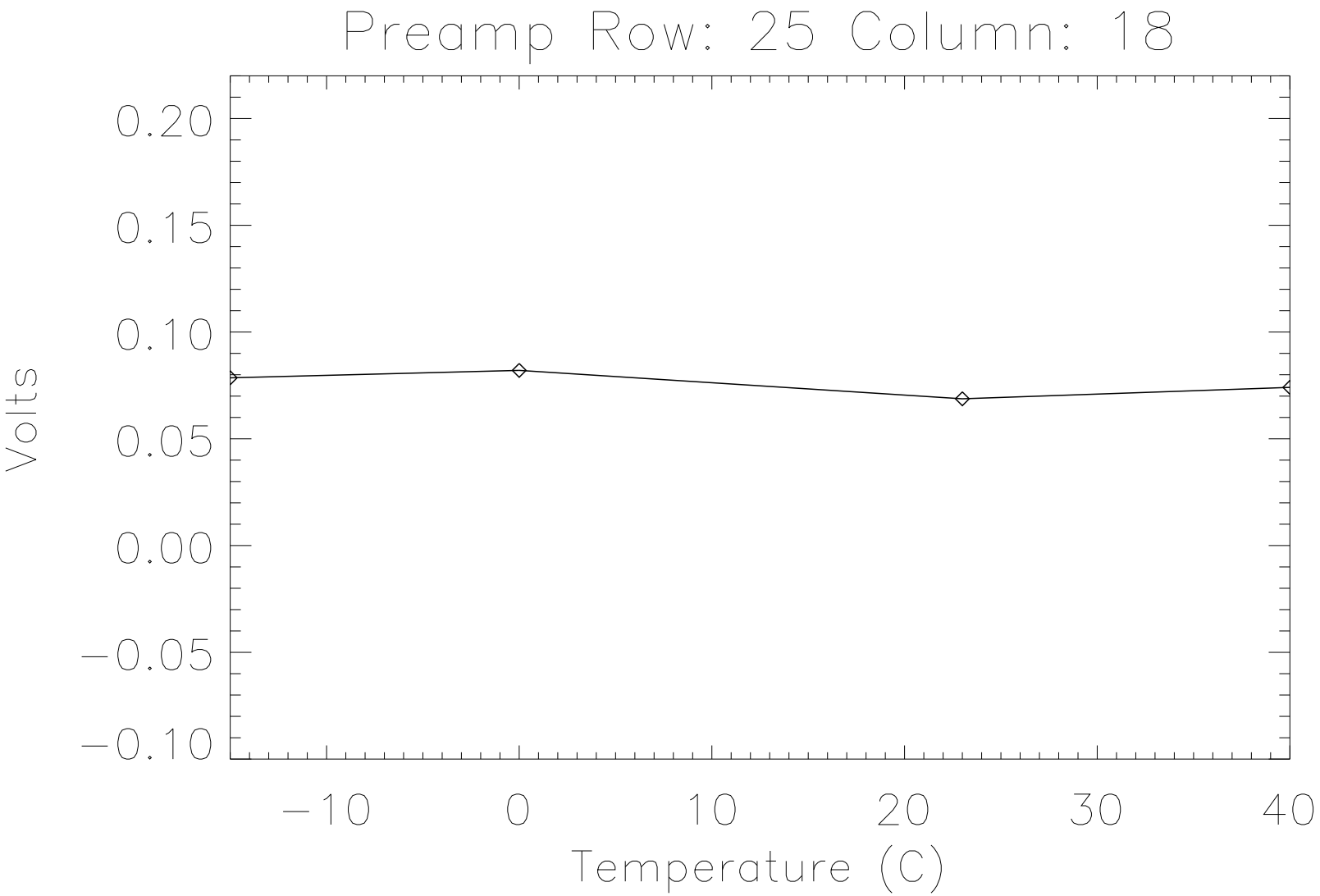

Shaper Row: 25 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

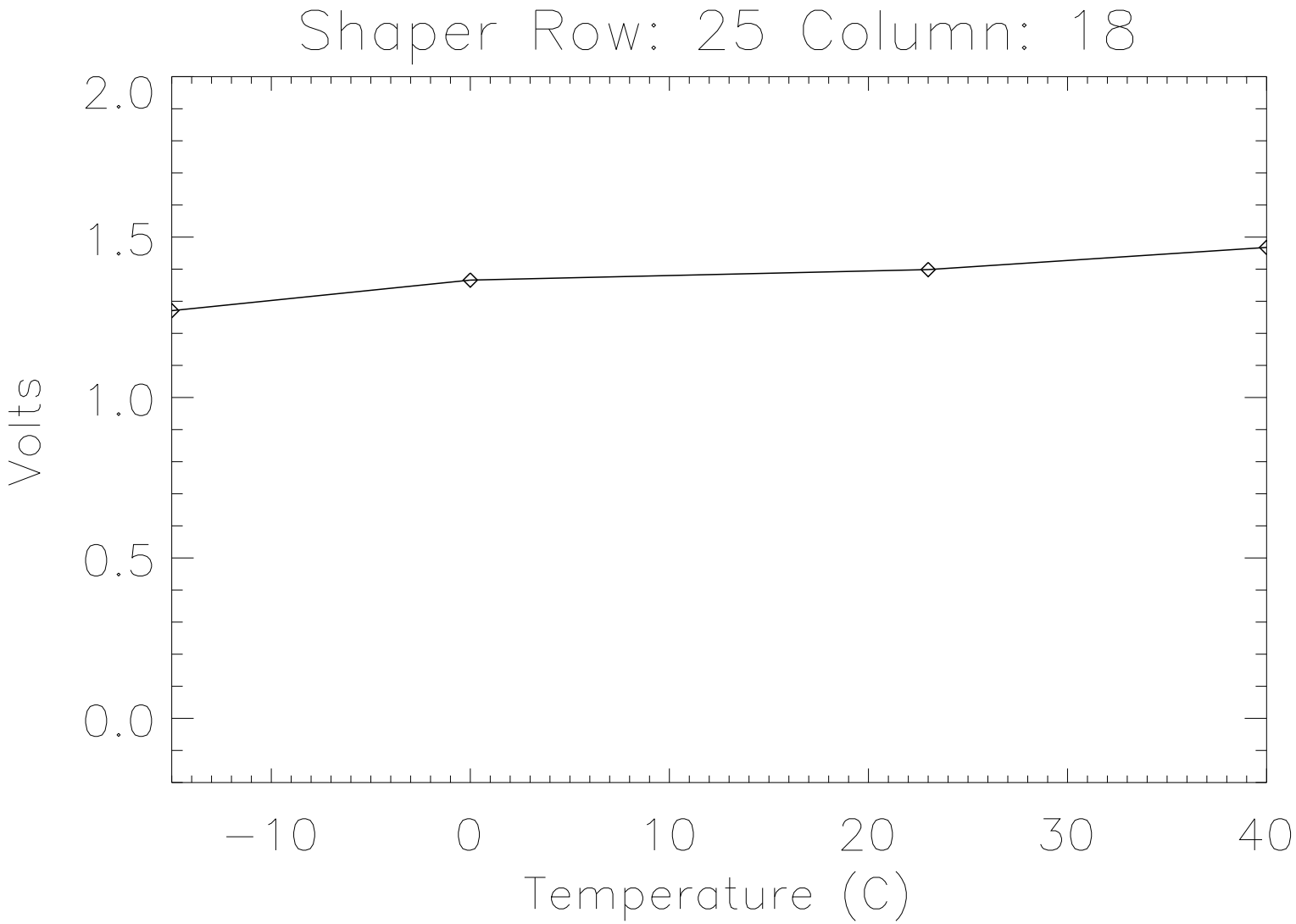

Leakage Row: 25 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

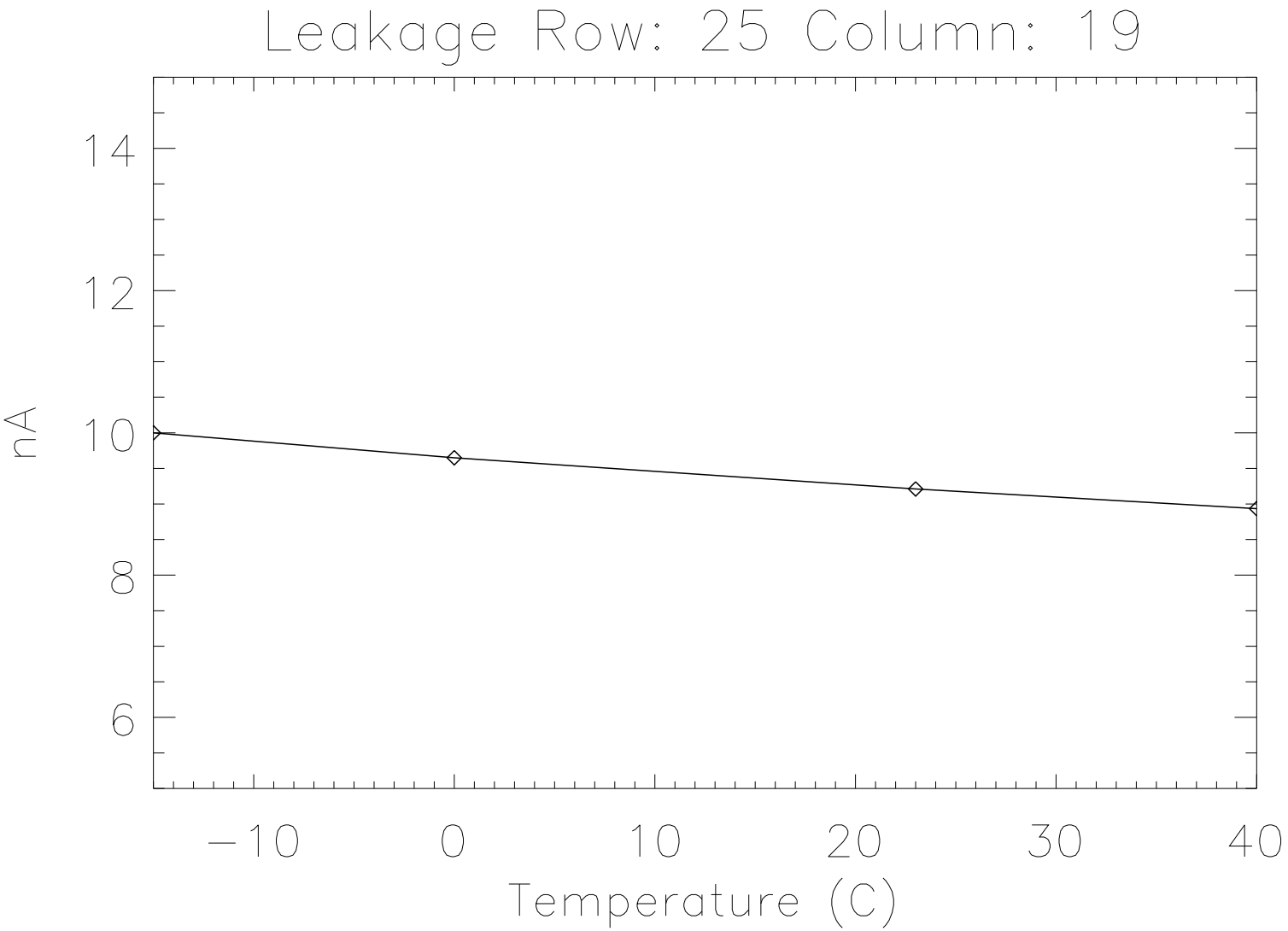

Preamp Row: 25 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

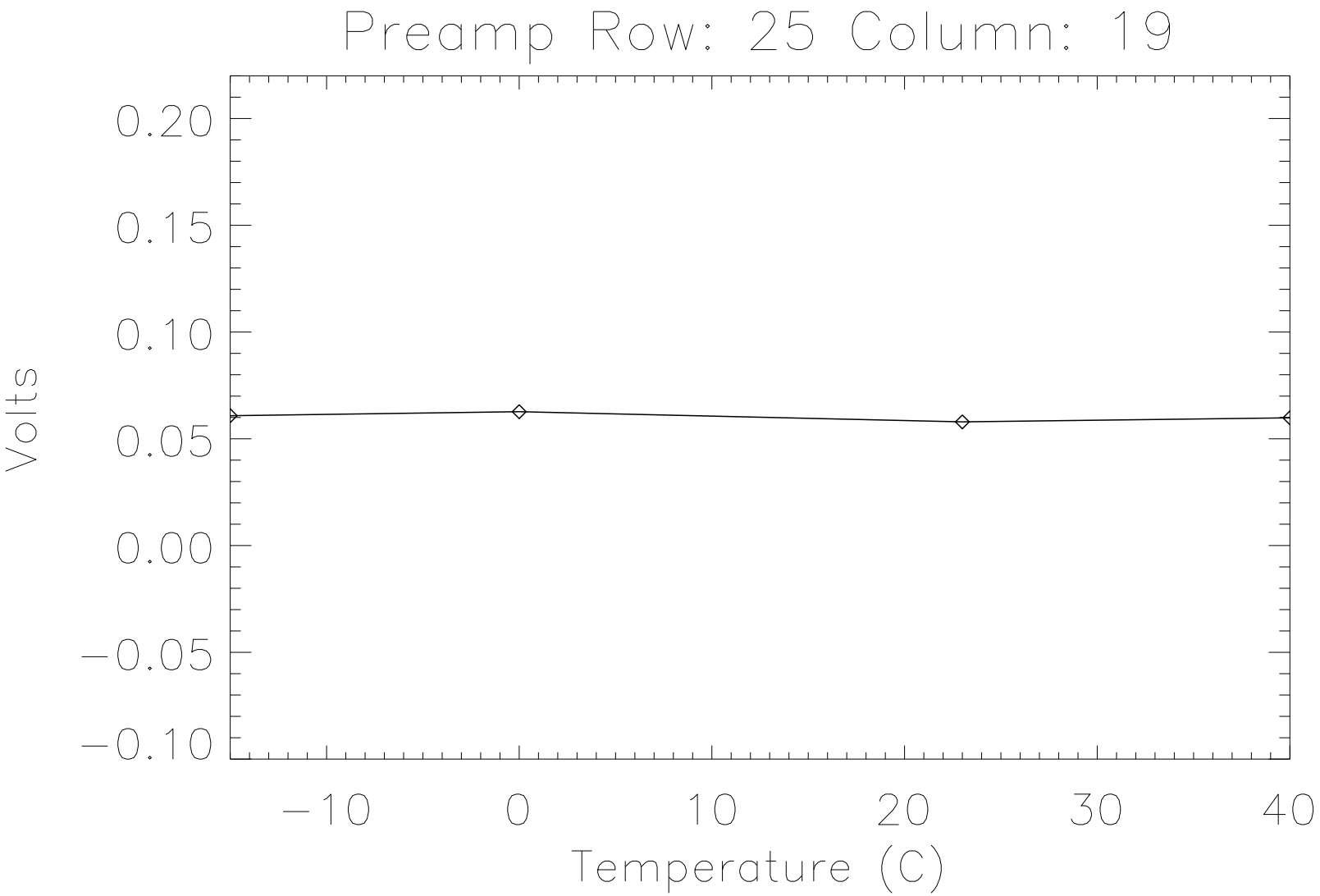

Shaper Row: 25 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

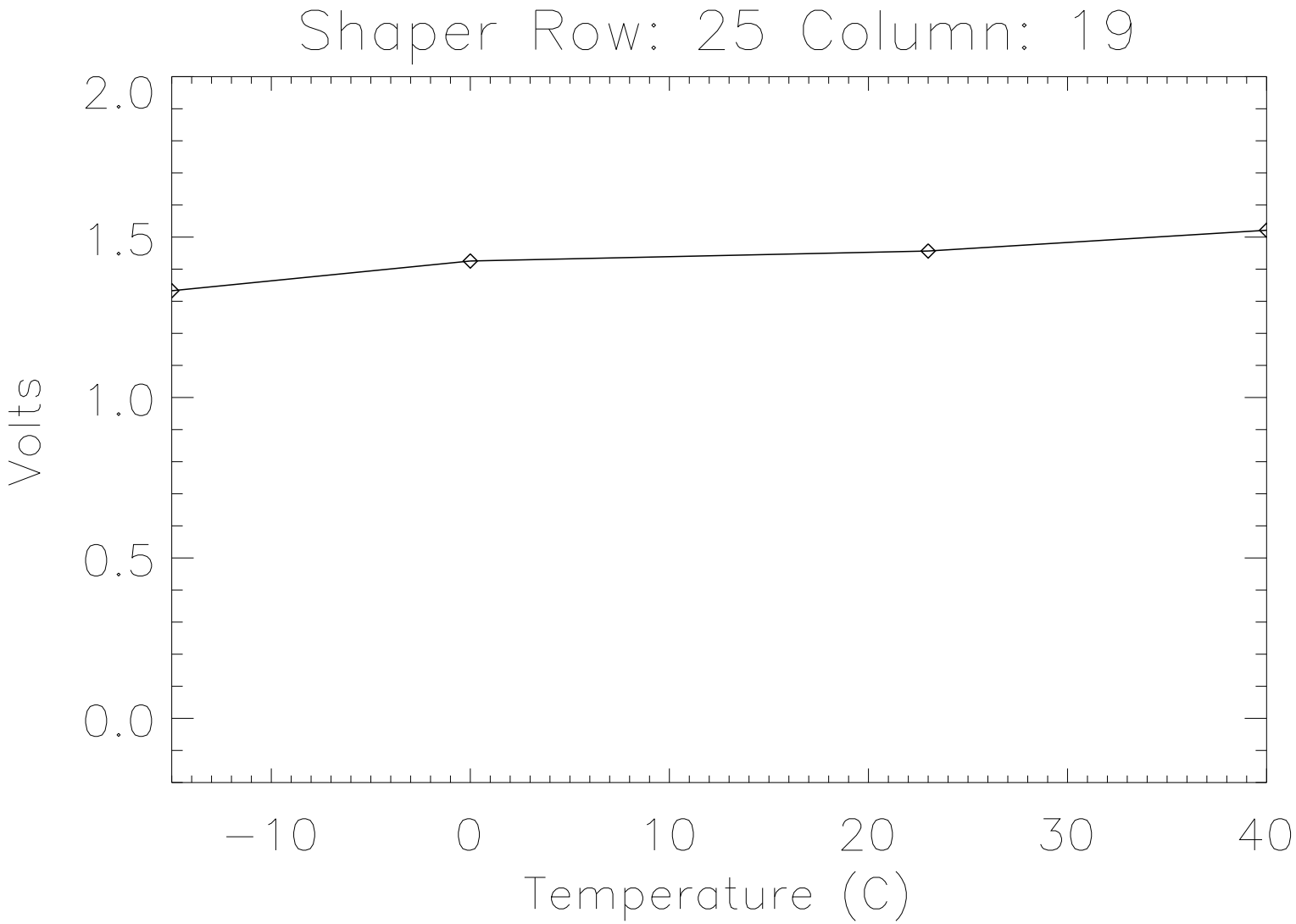

Leakage Row: 25 Column: 18
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

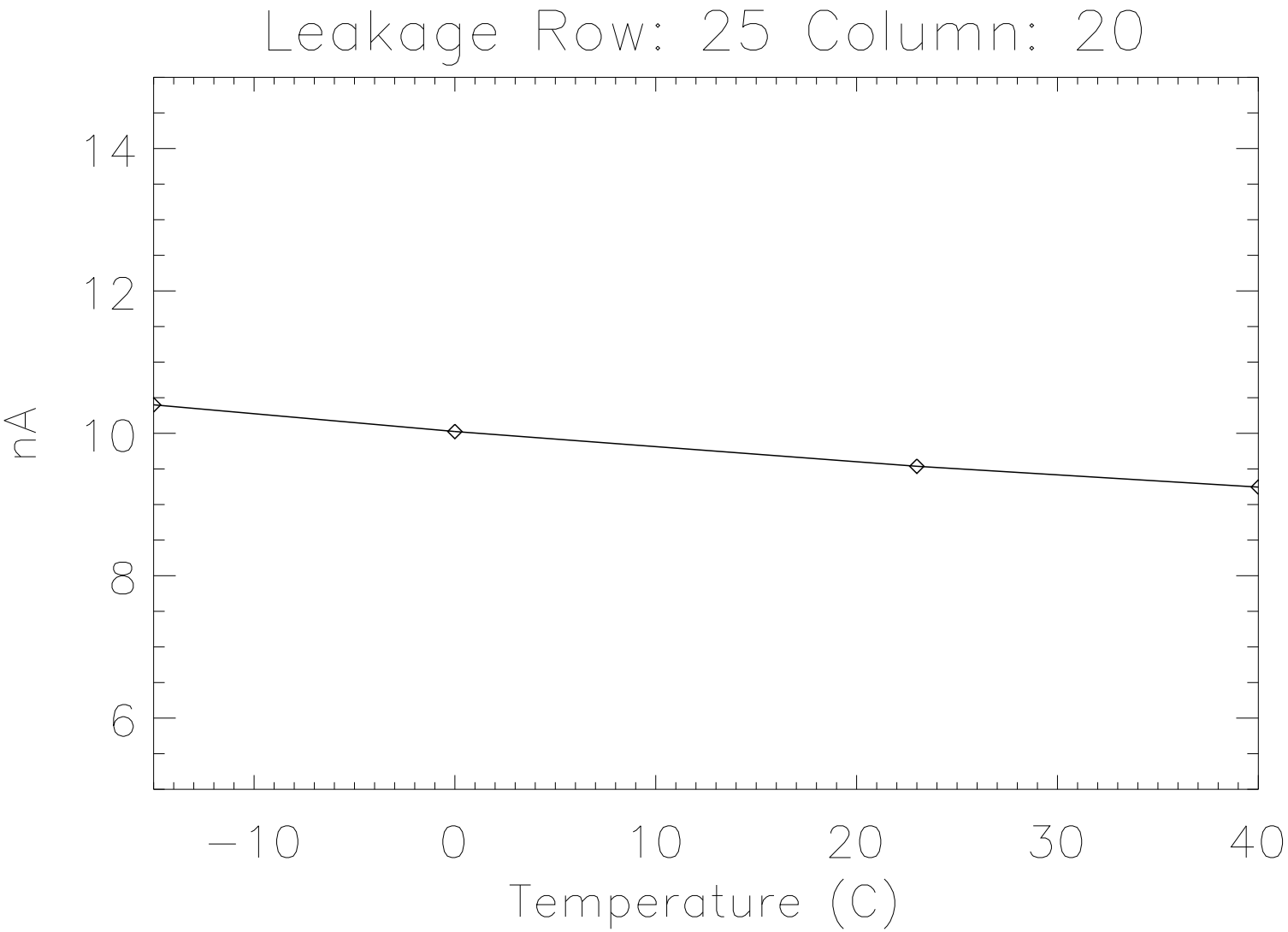

Preamp Row: 25 Column: 18
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

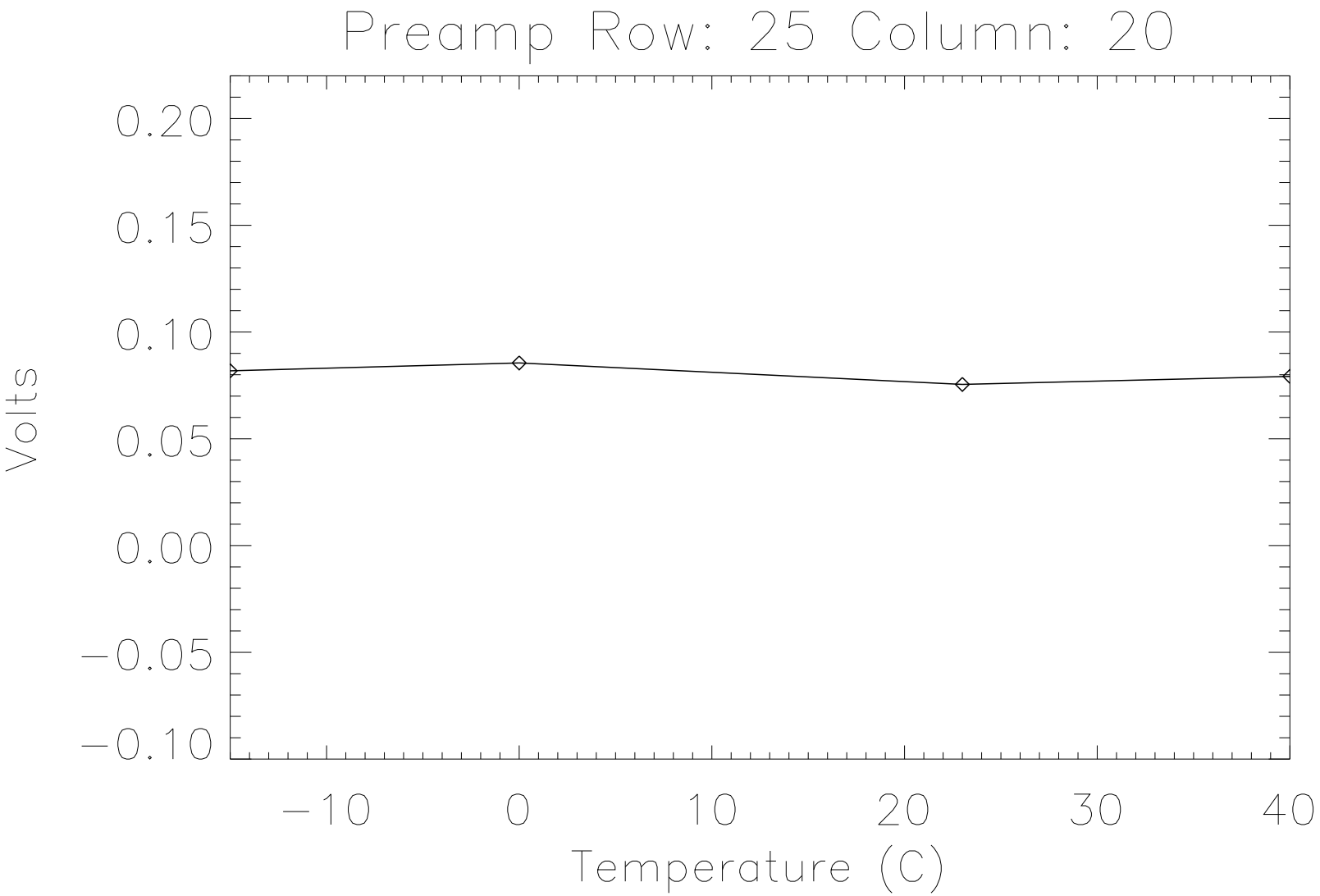

Shaper Row: 25 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

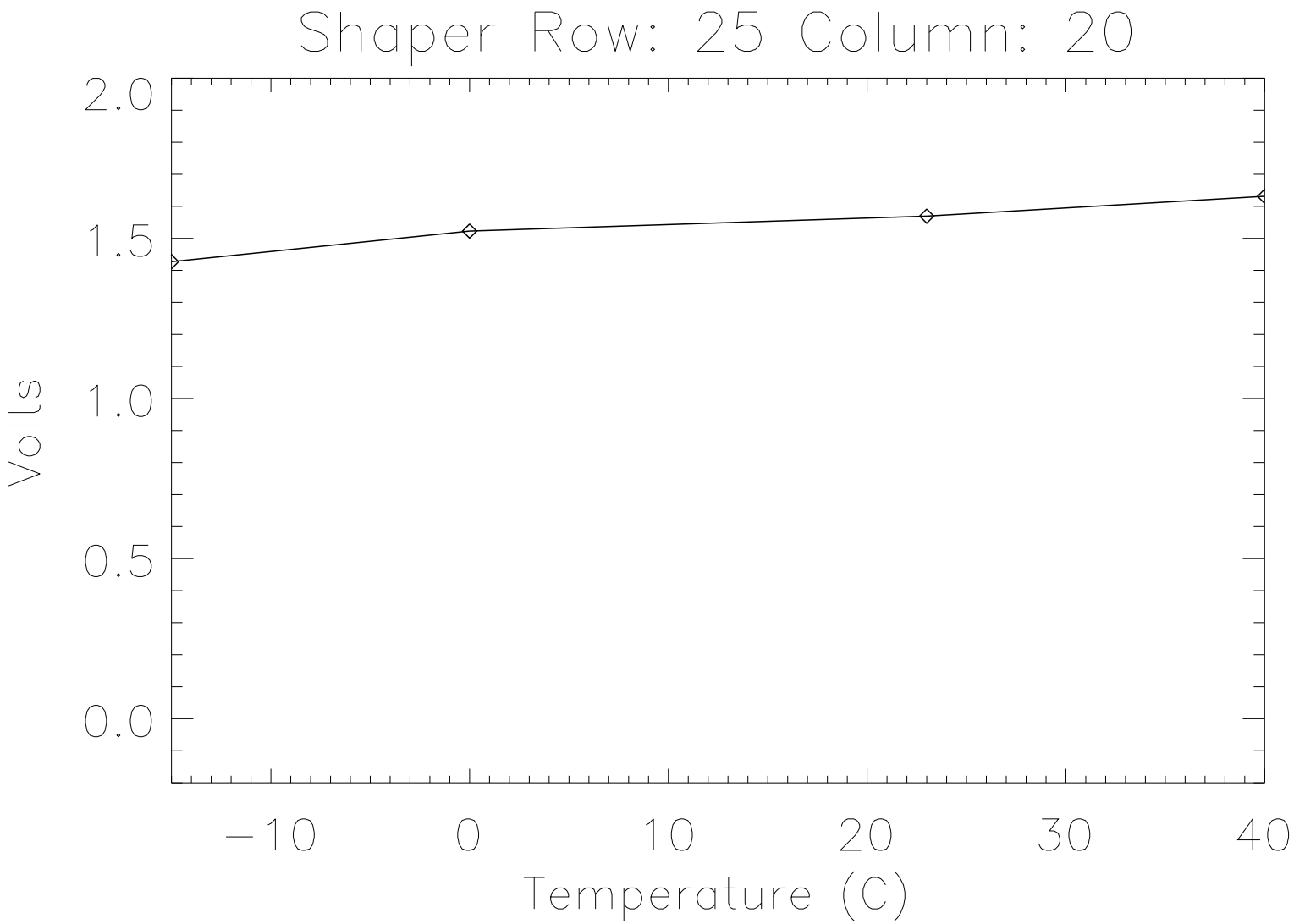

Leakage Row: 25 Column: 19
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 25 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 25 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 25 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 20
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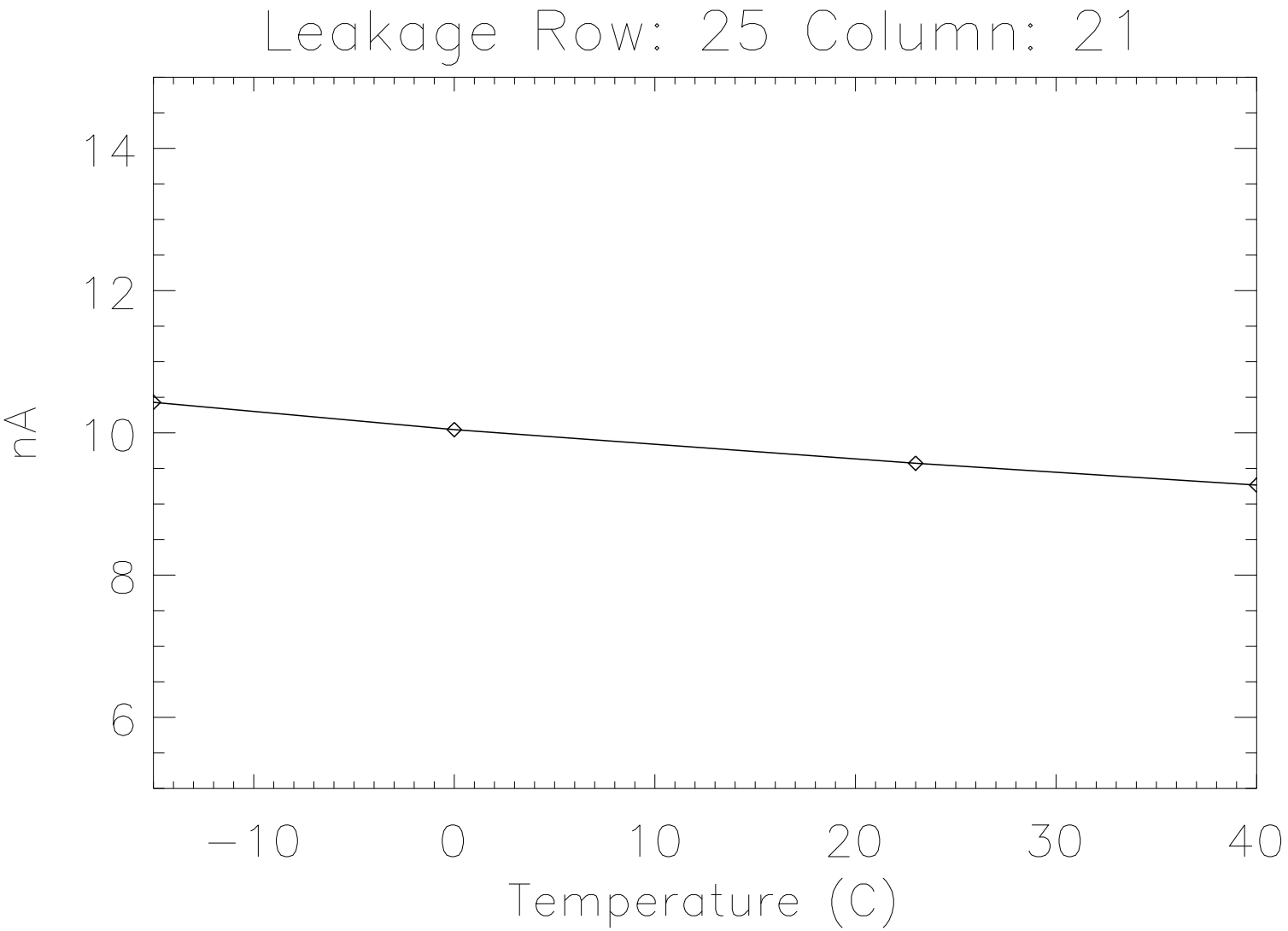
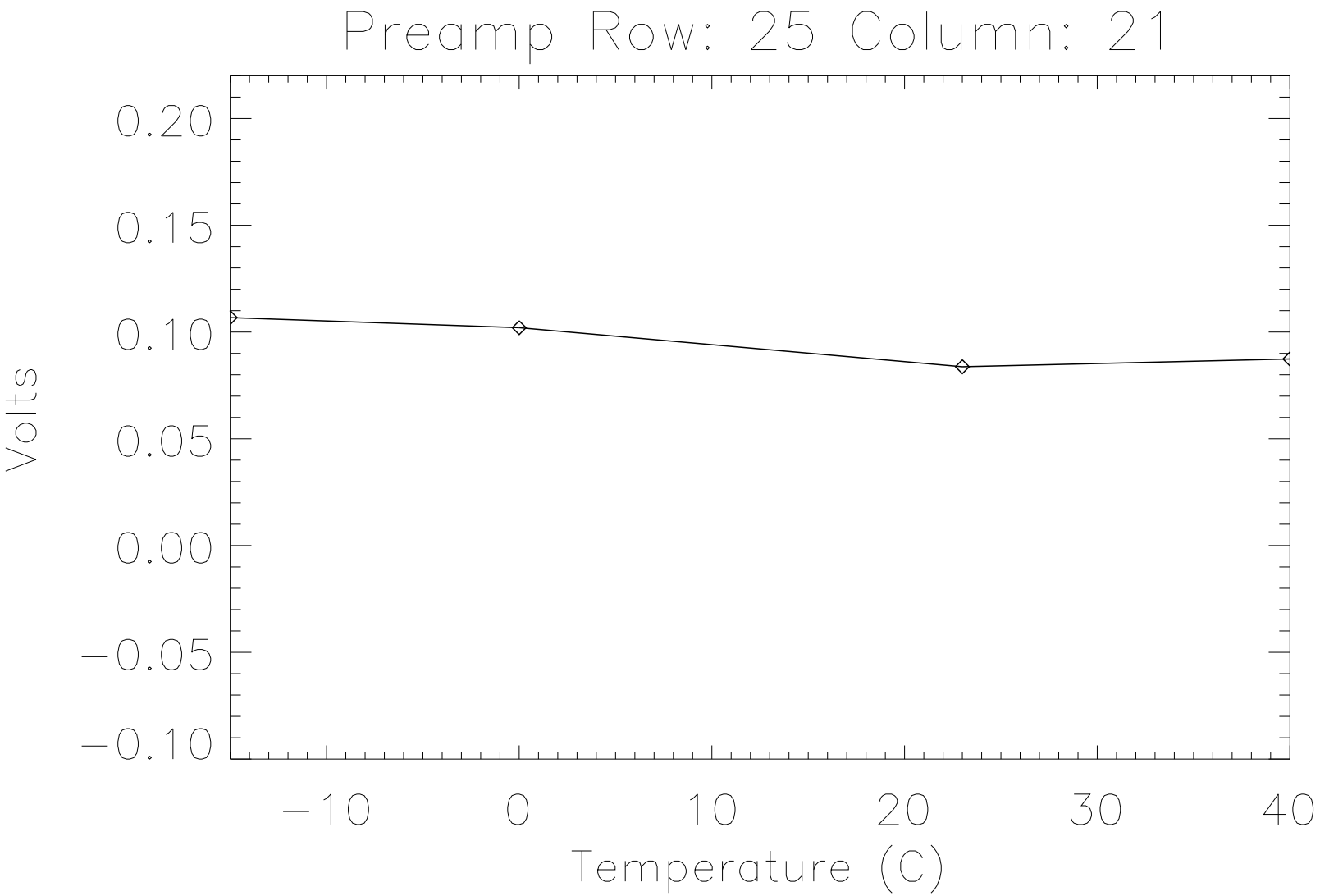
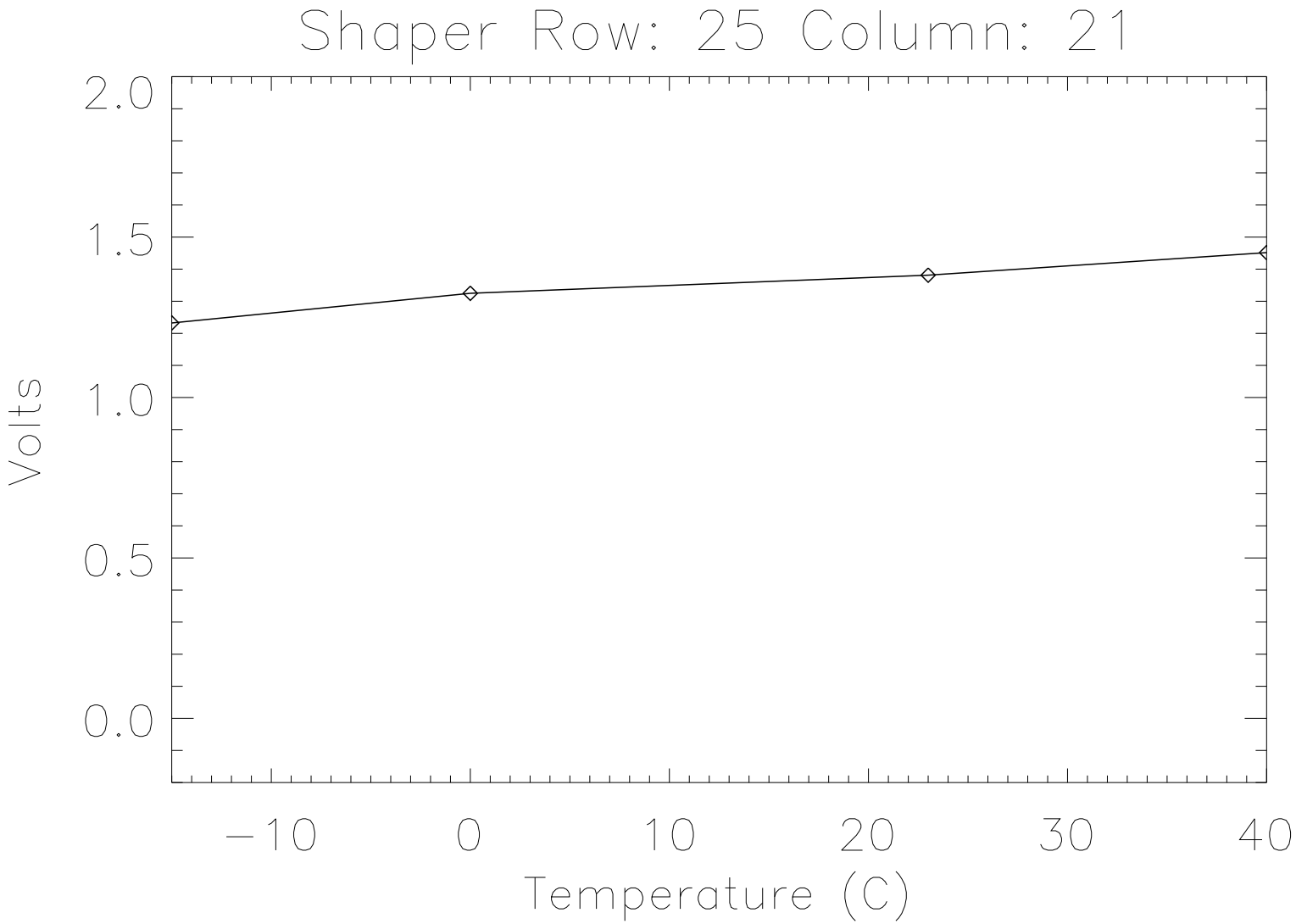
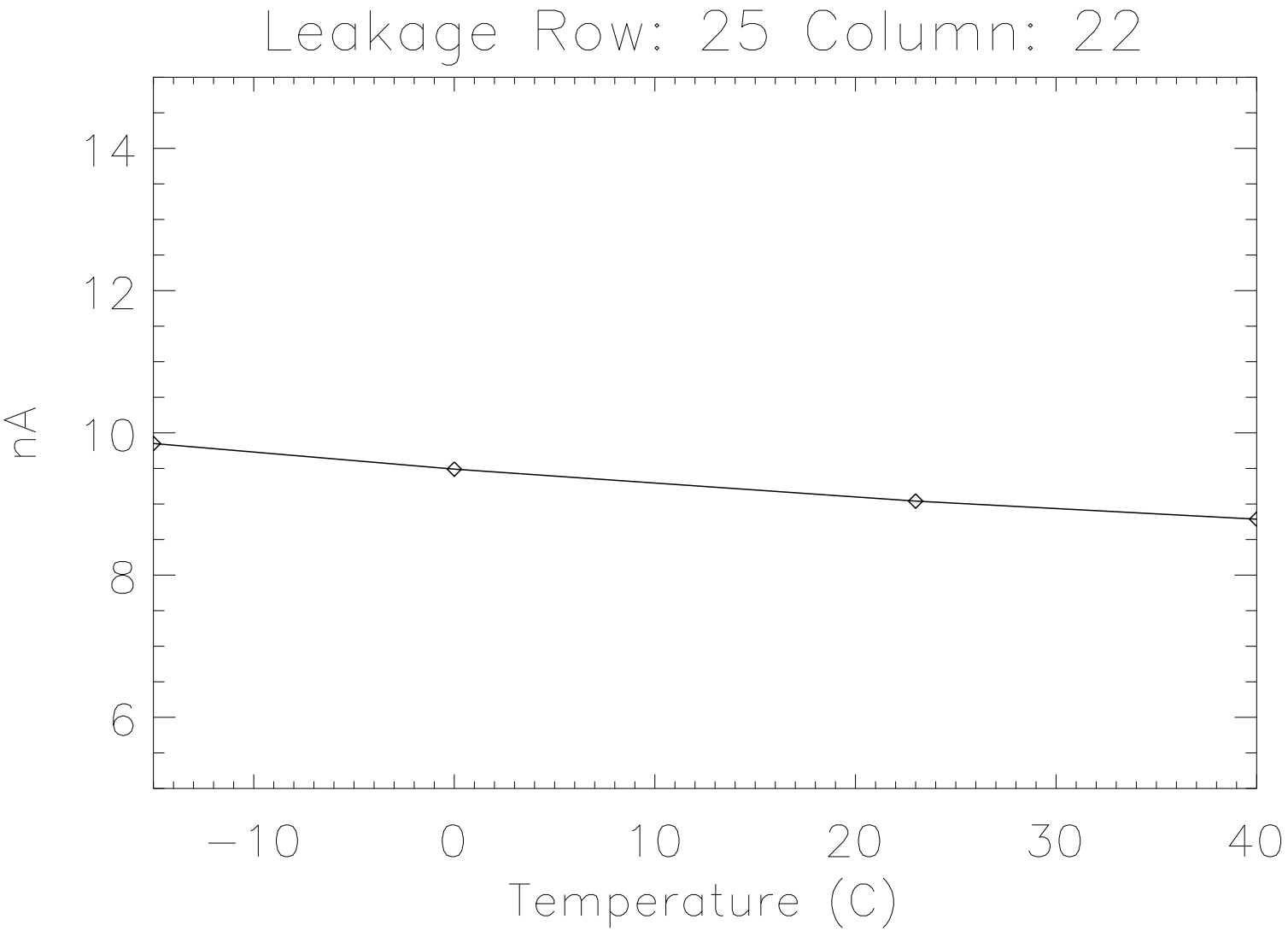
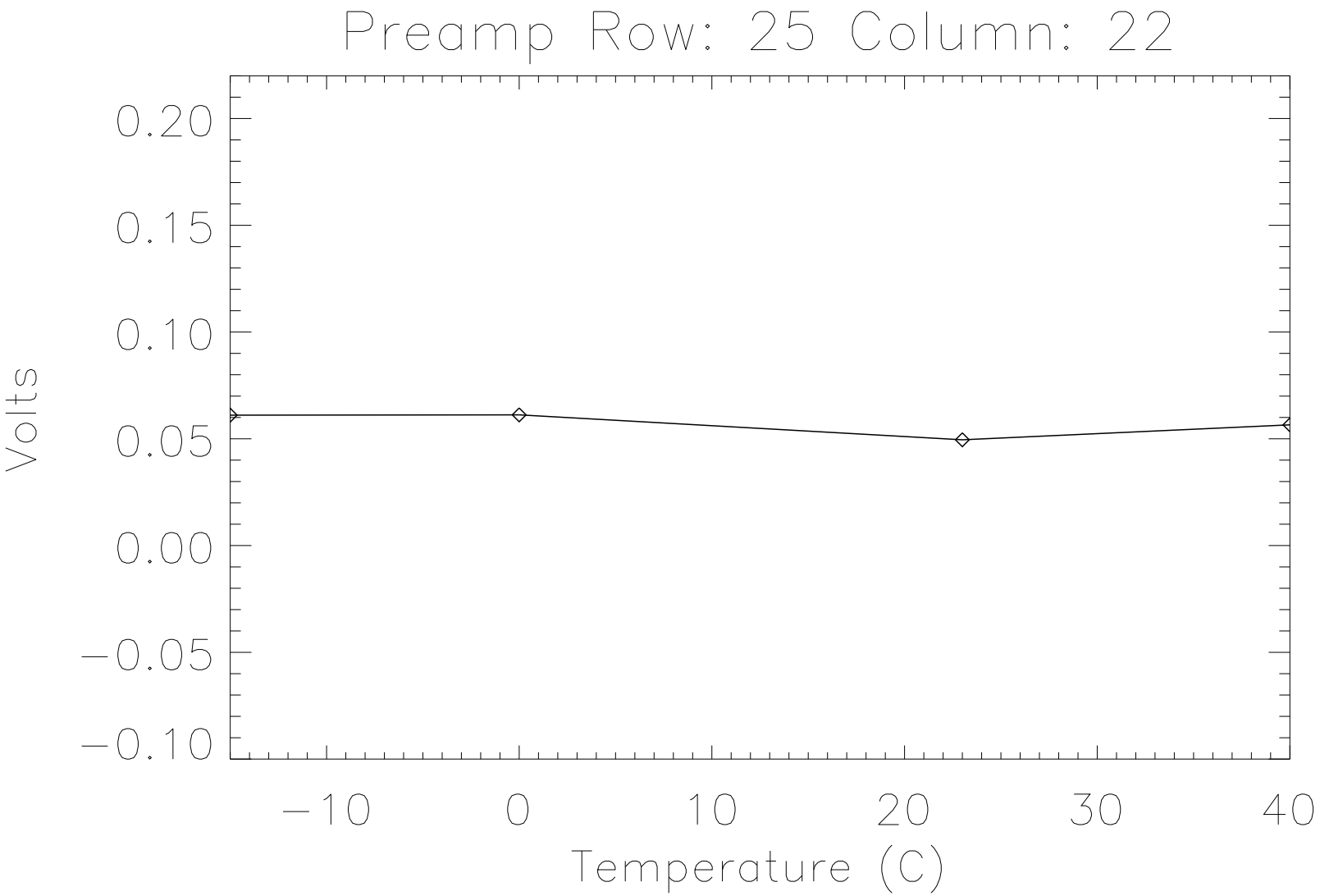
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 25 Column: 21
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 25 Column: 21
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 25 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 25 Column: 22
0.20
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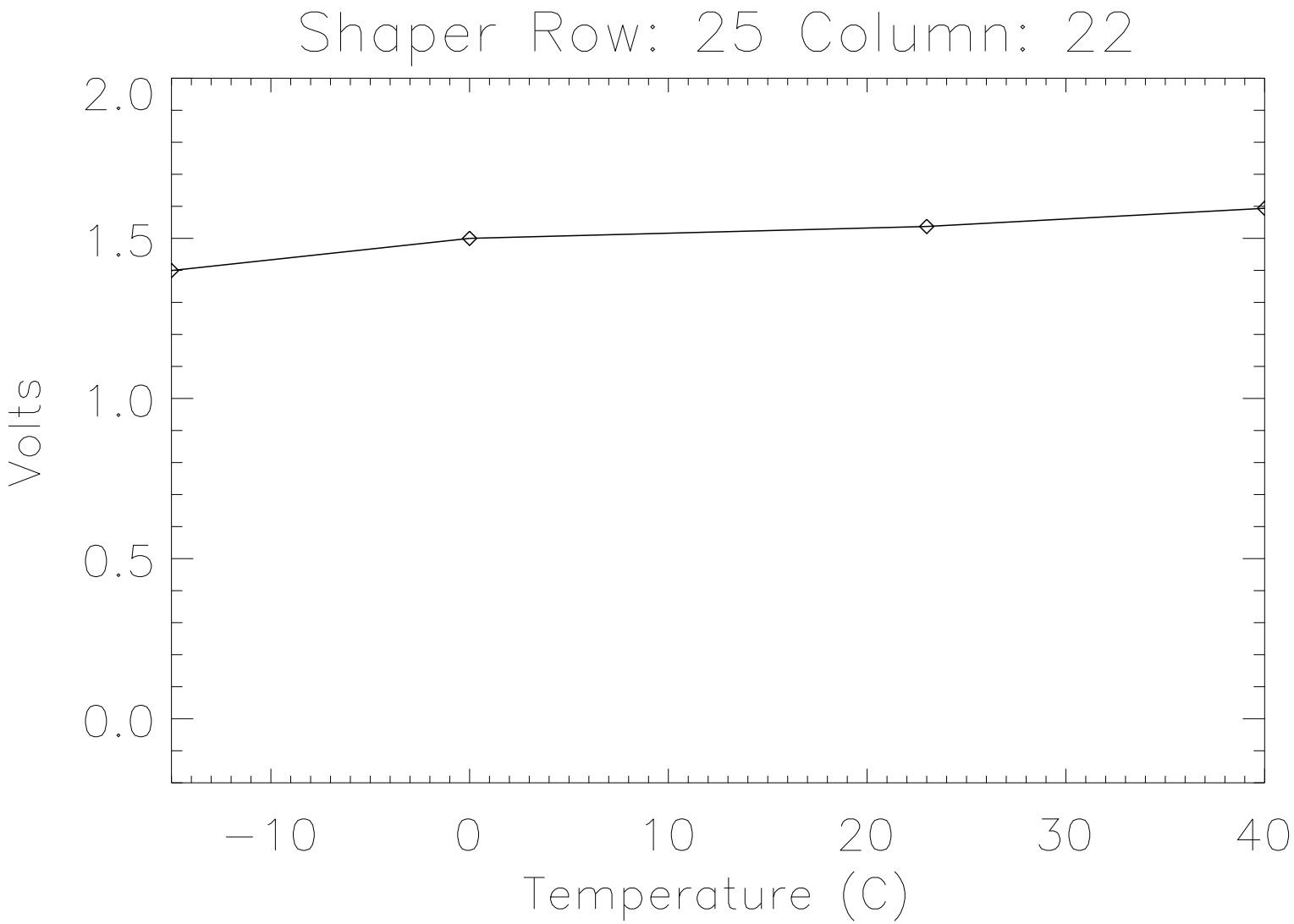
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 22
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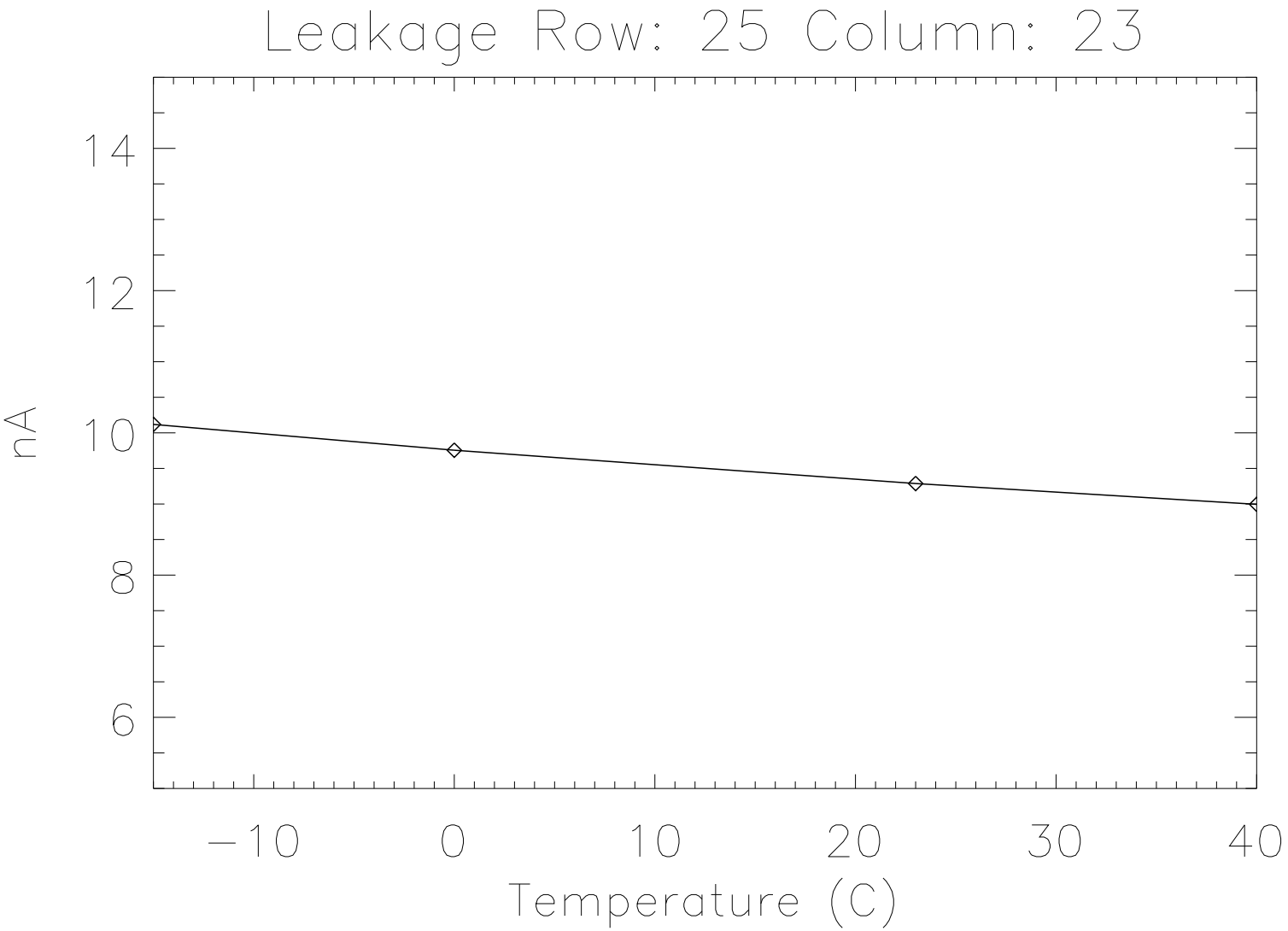
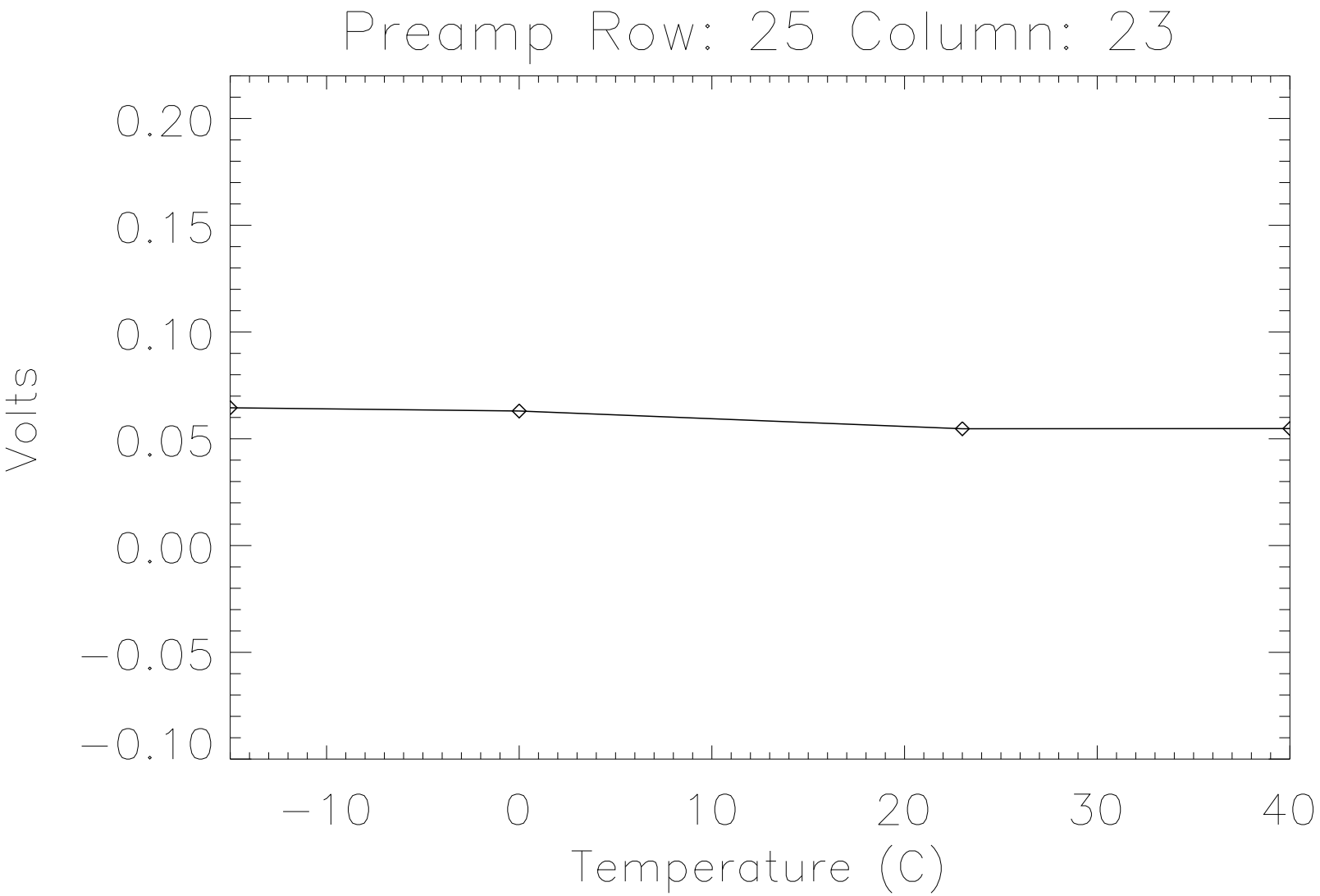
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 25 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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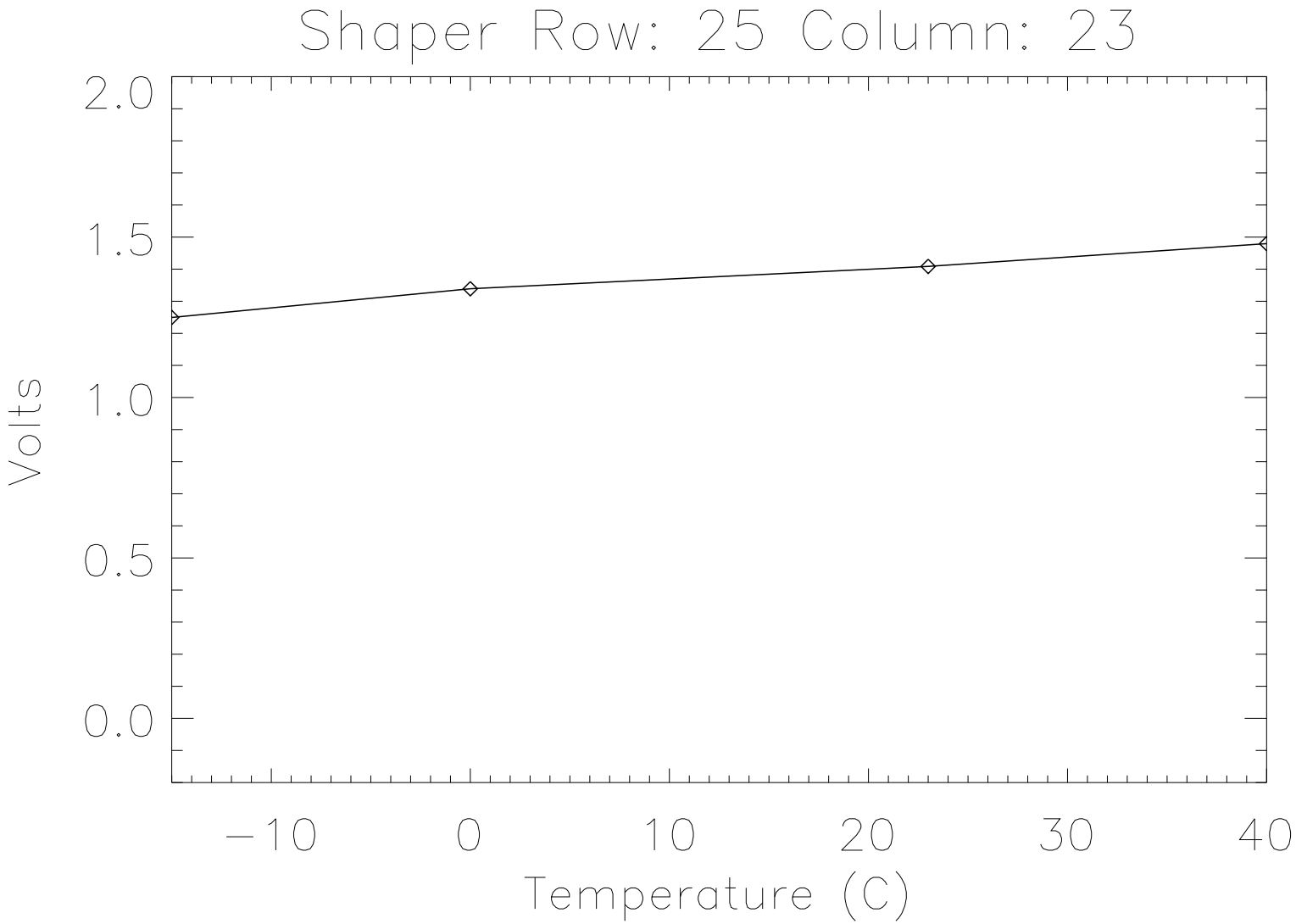
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 23
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1.5
1.0
0.5
0.0
Volts
−10
0
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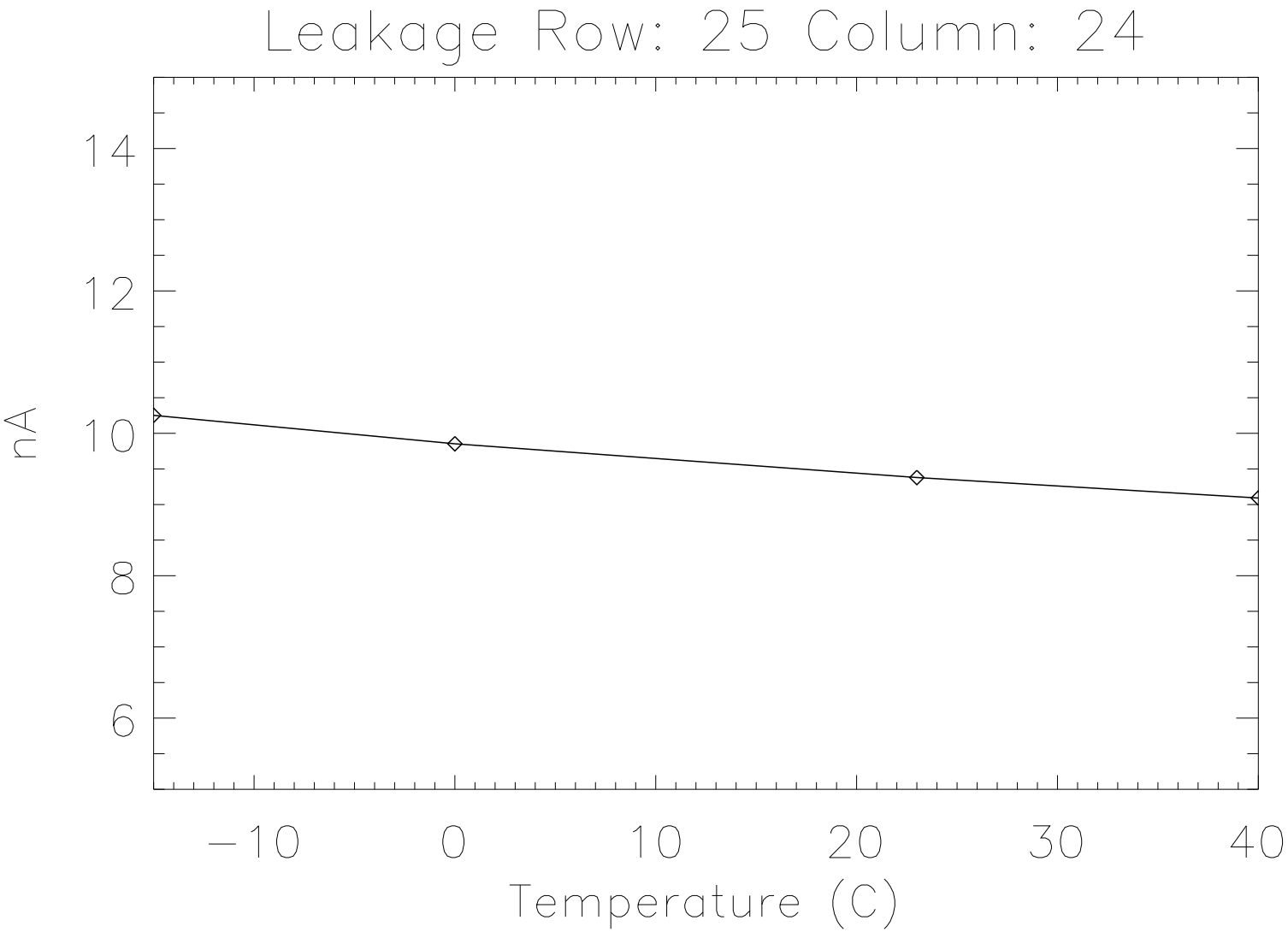
20
30
40
Temperature (C)


Leakage Row: 25 Column: 24
nA
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12
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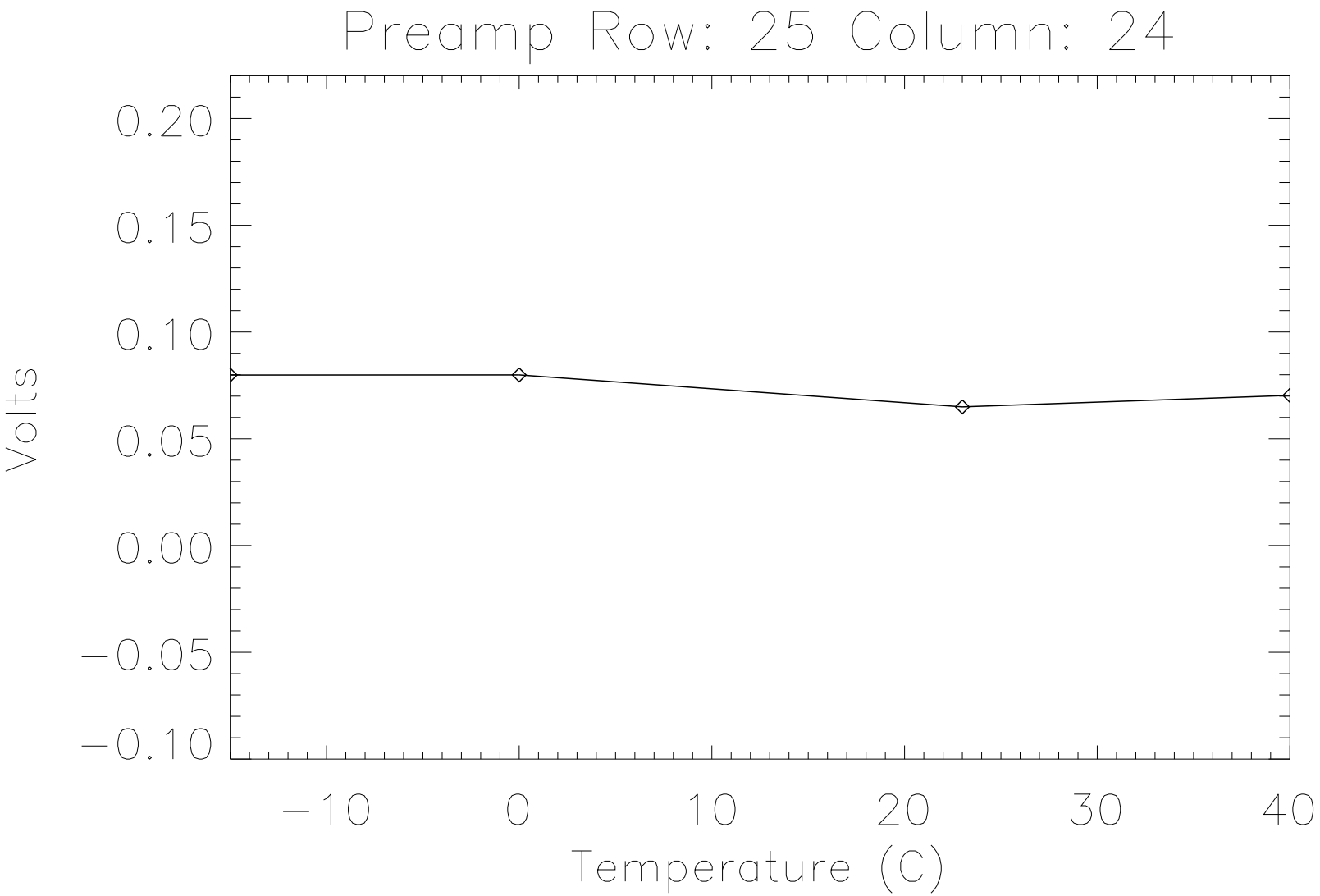
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 25 Column: 24
0.20
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0.10
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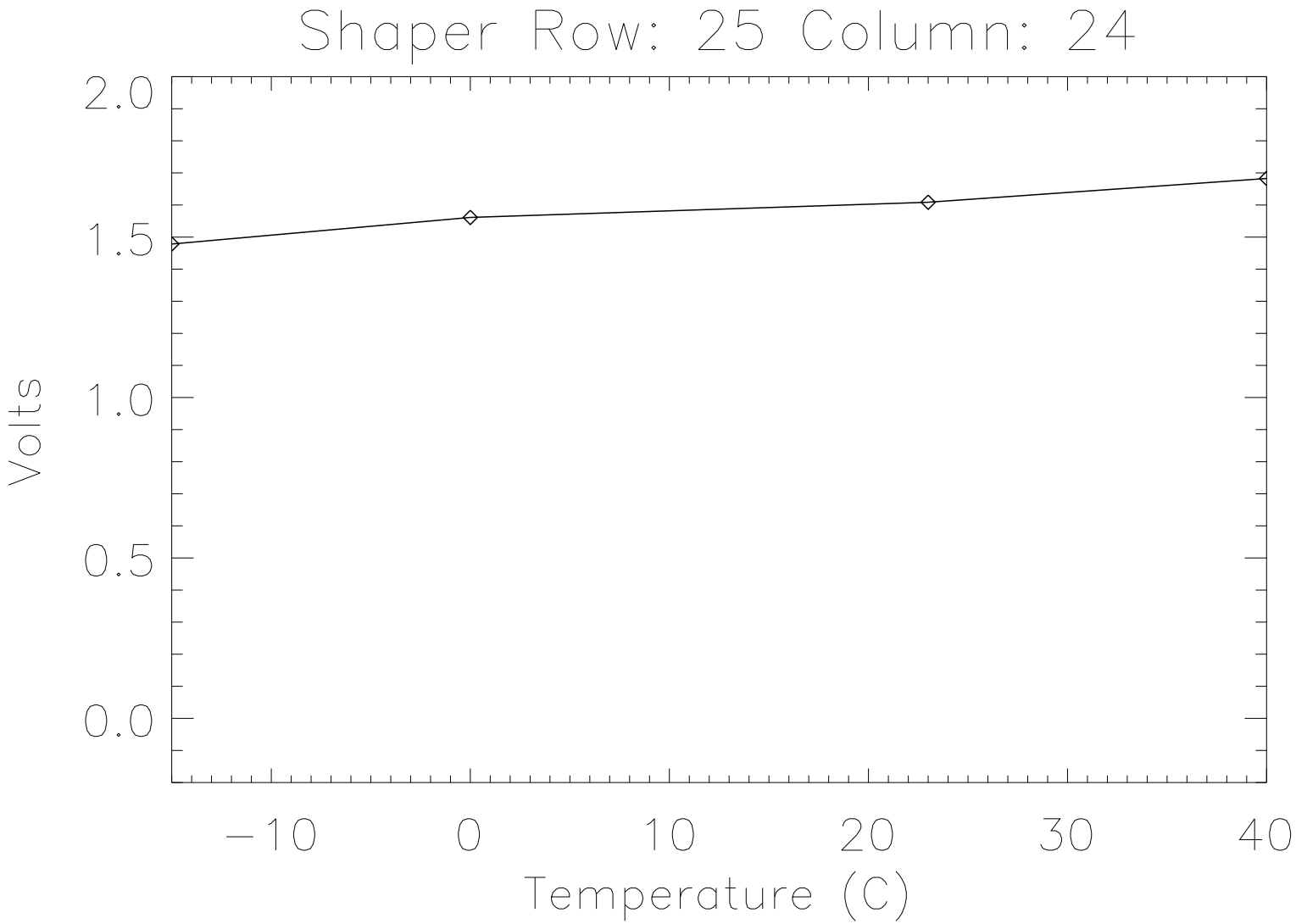
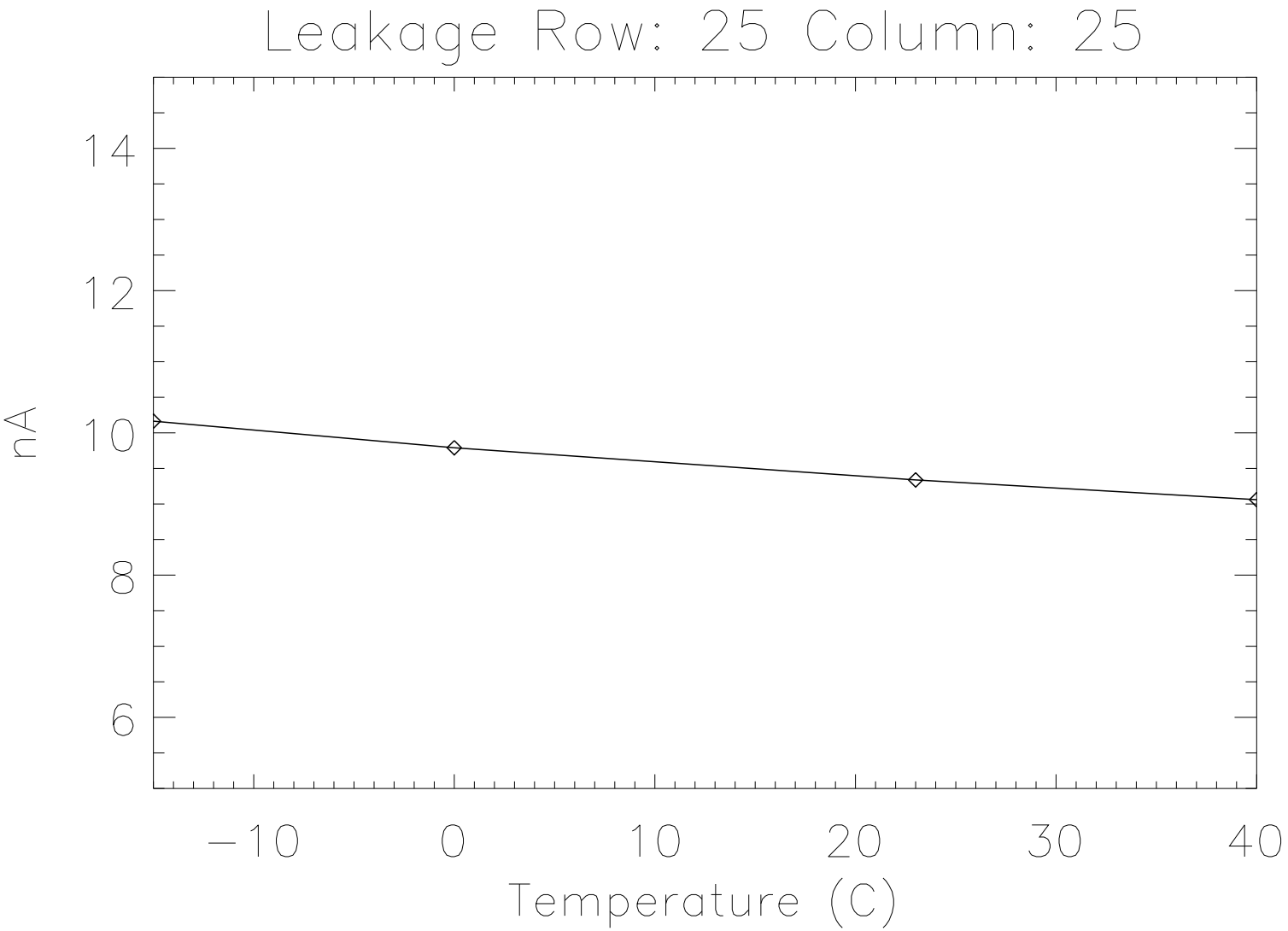
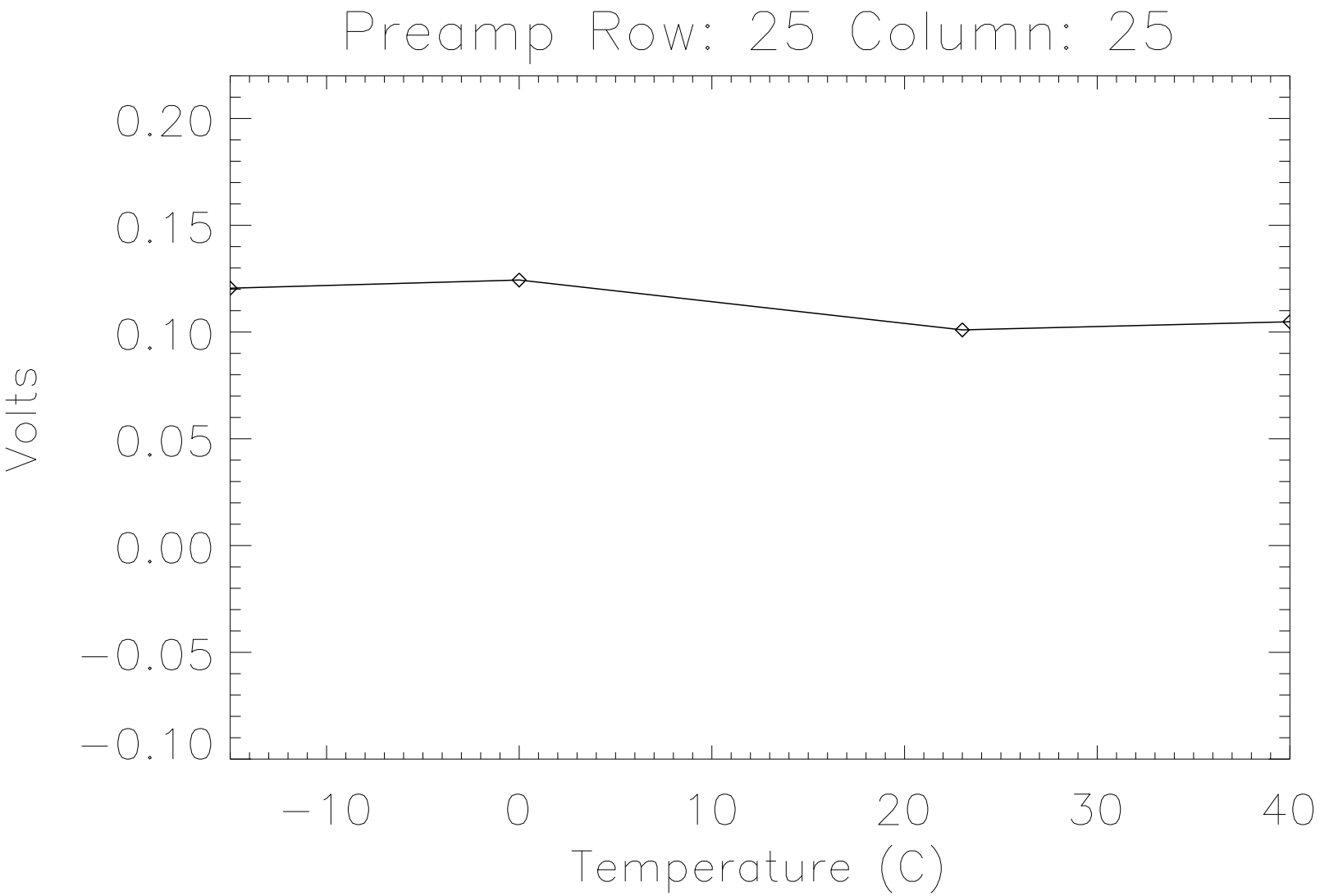
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 25 Column: 25
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 25 Column: 25
0.20
0.15
0.10
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0.00
−0.05
−0.10
Volts
−10
0
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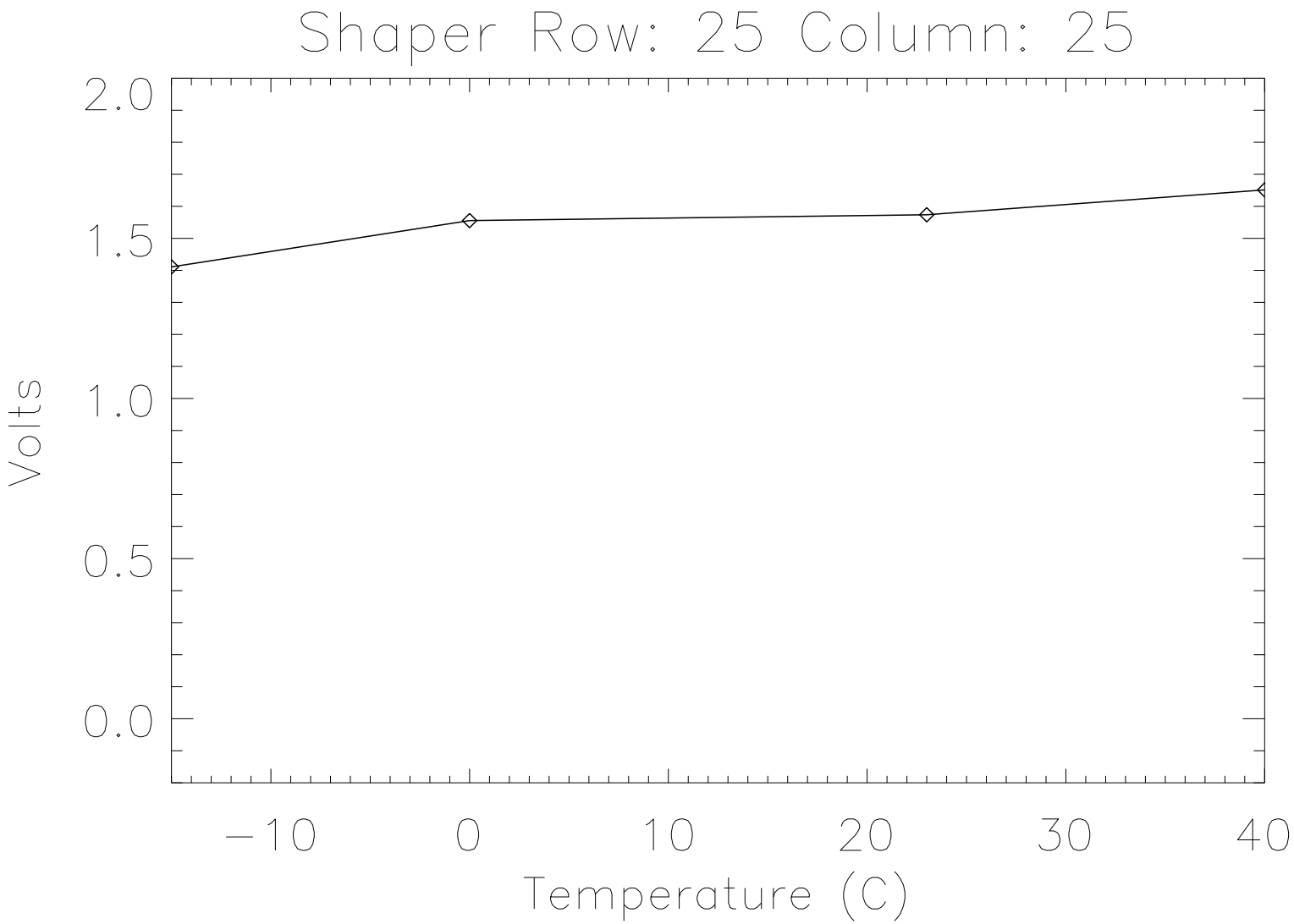
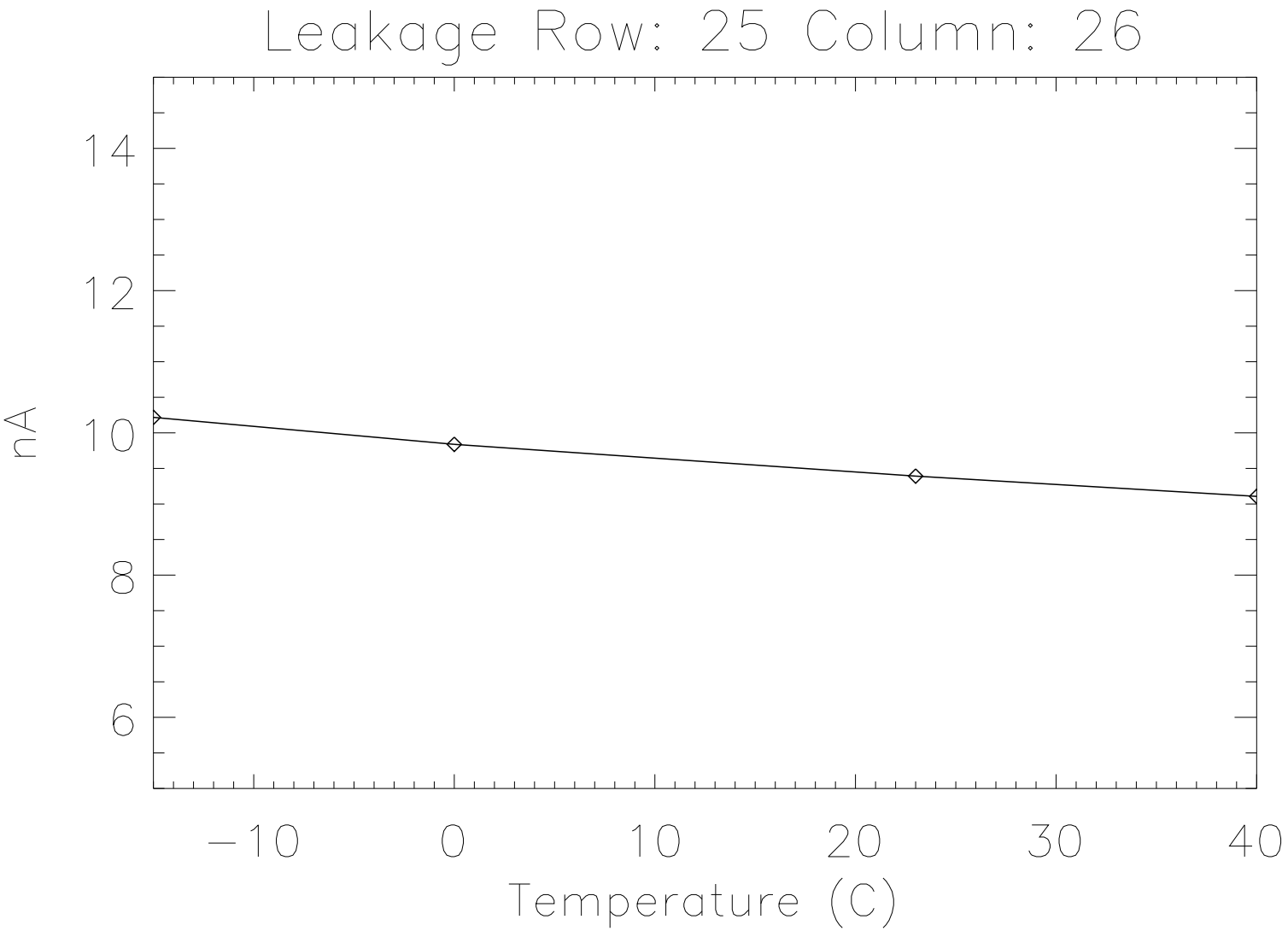
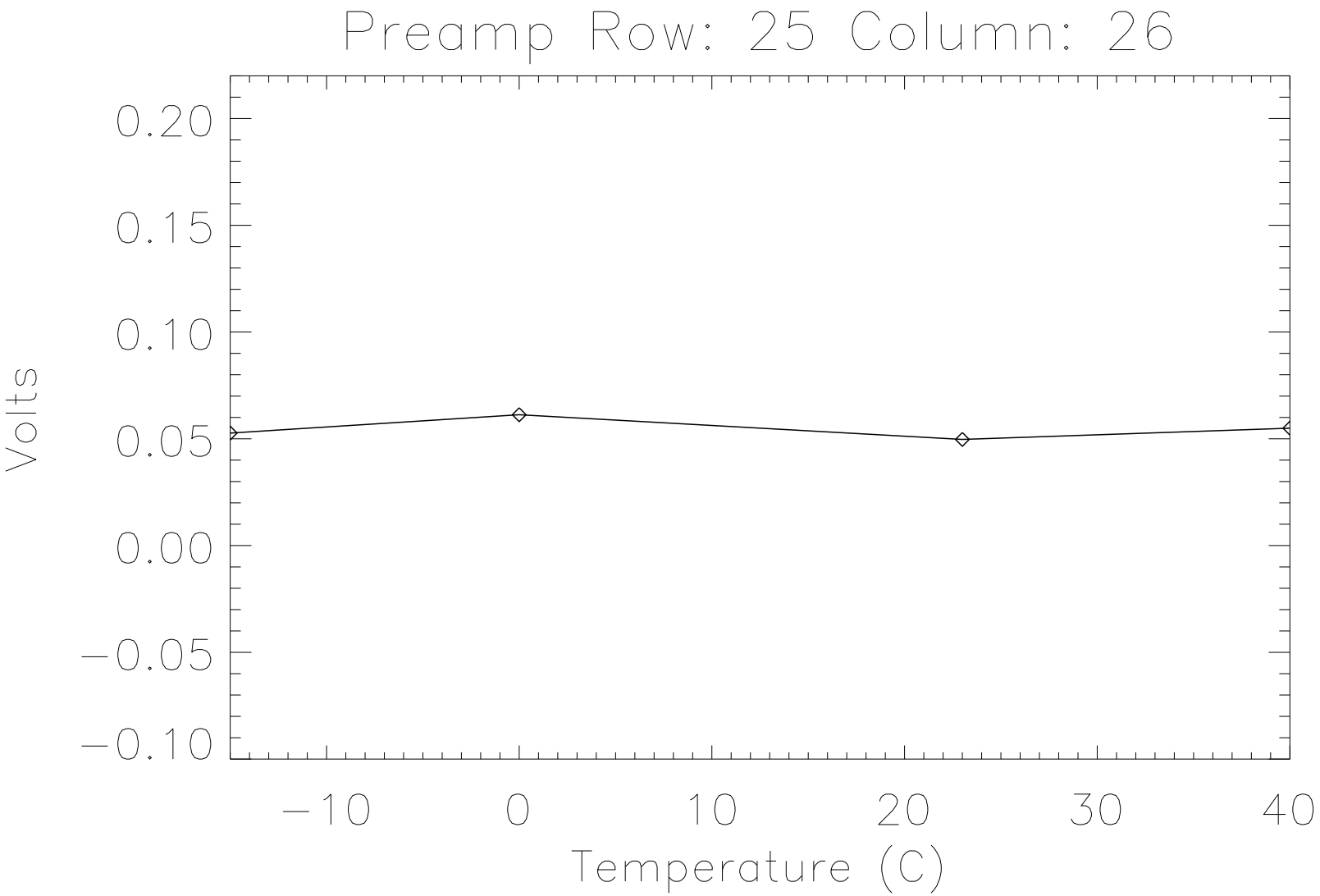
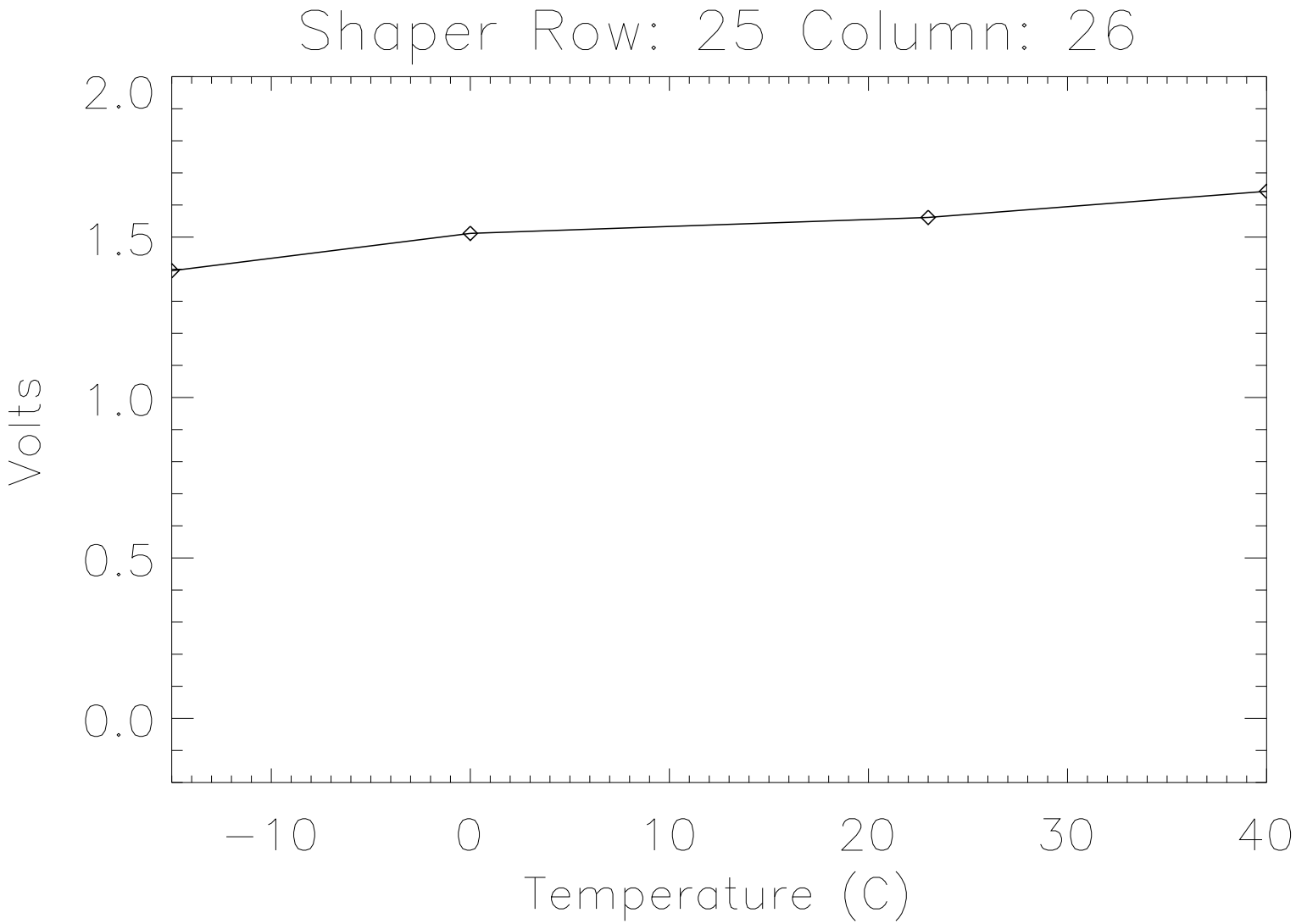
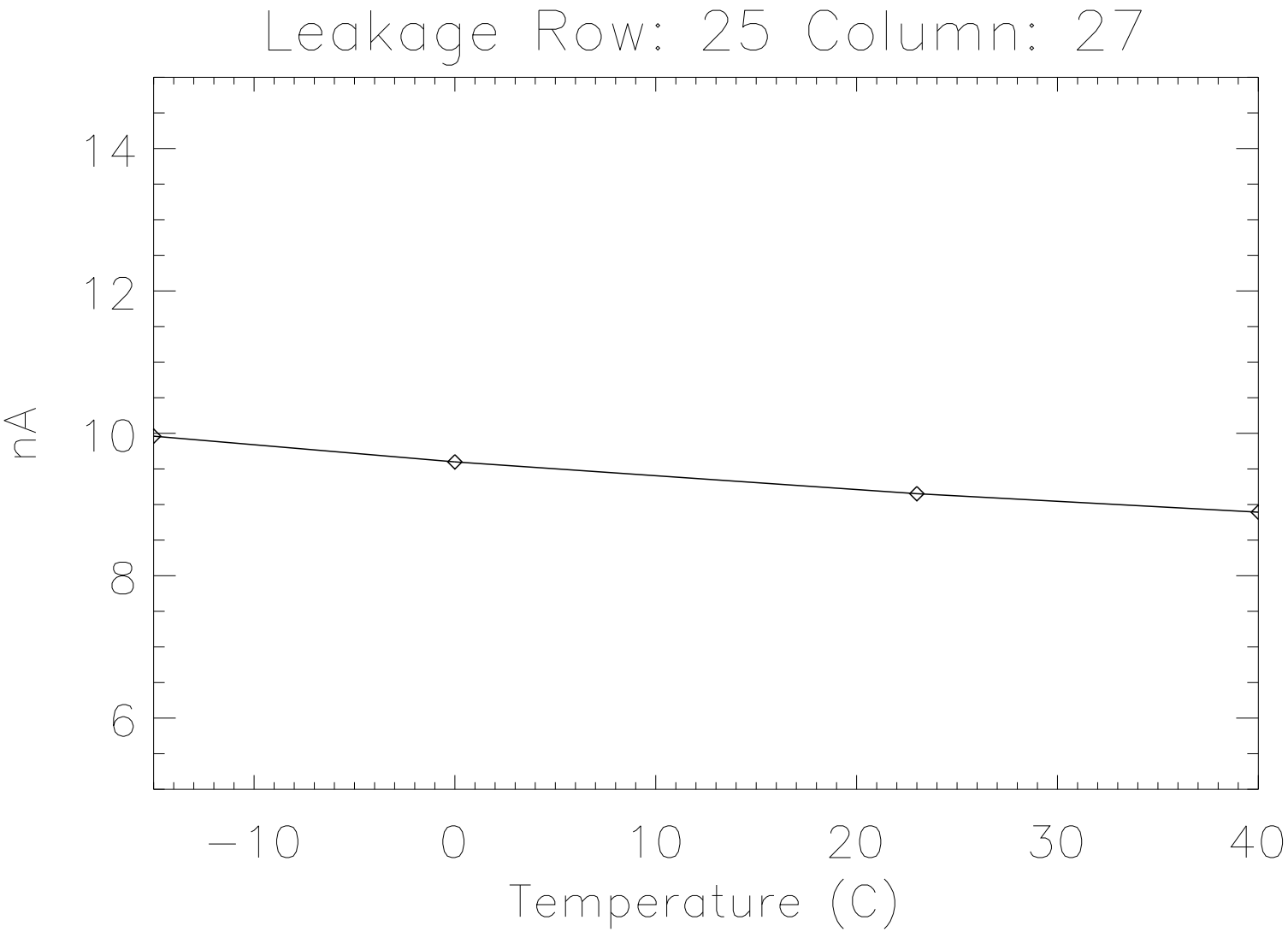
20
30
40
Temperature (C)

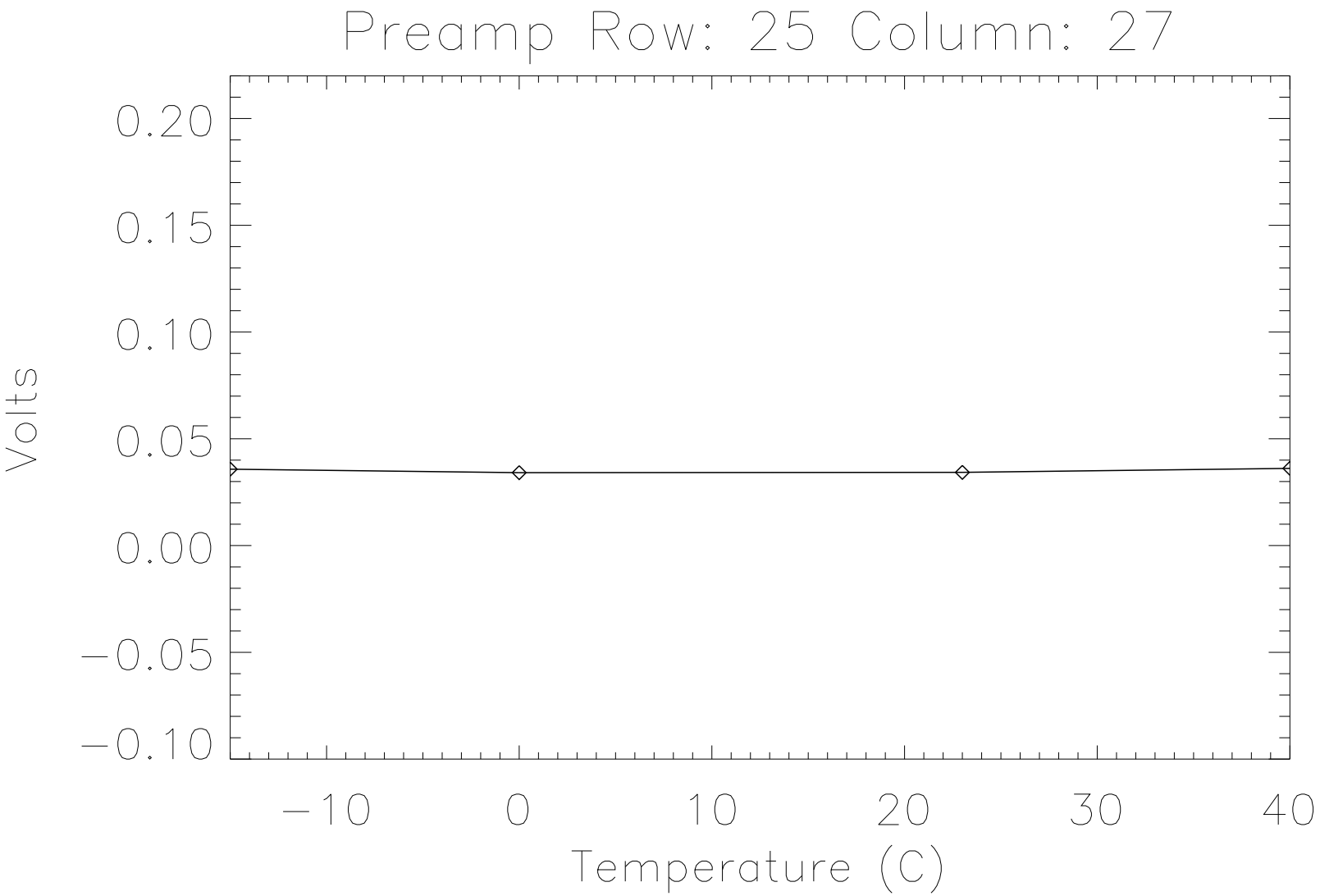

Shaper Row: 25 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

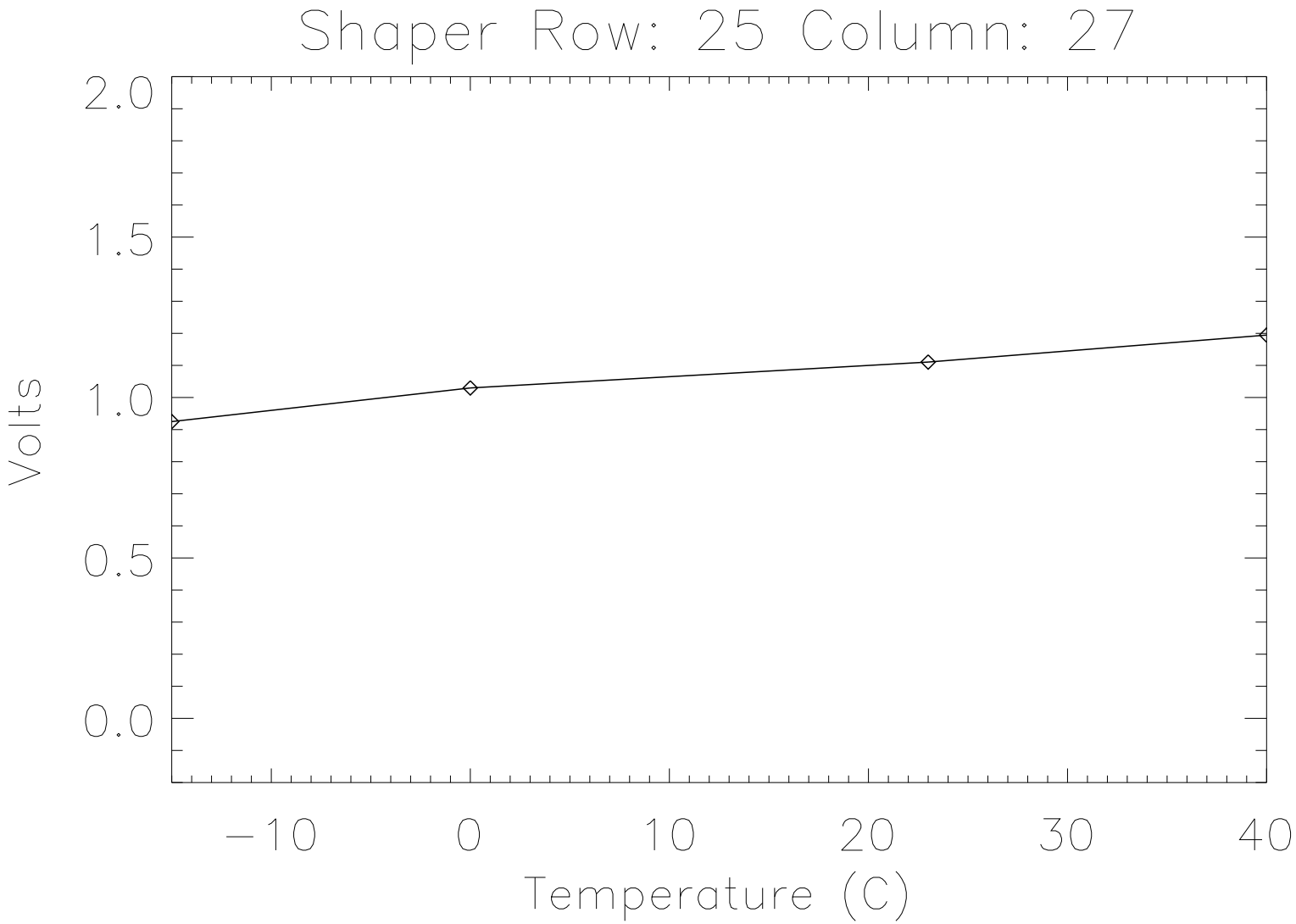

Leakage Row: 25 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

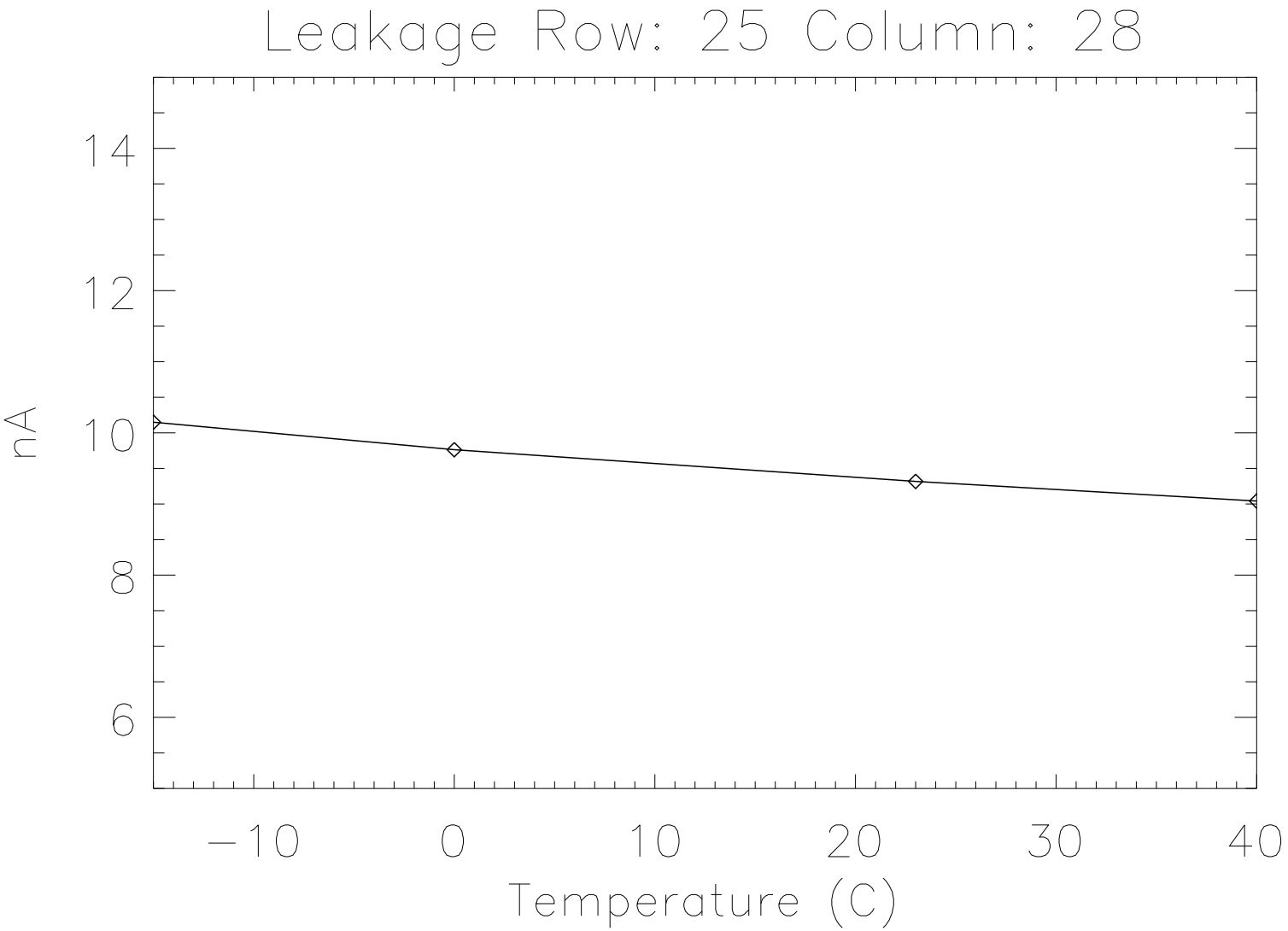

Preamp Row: 25 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

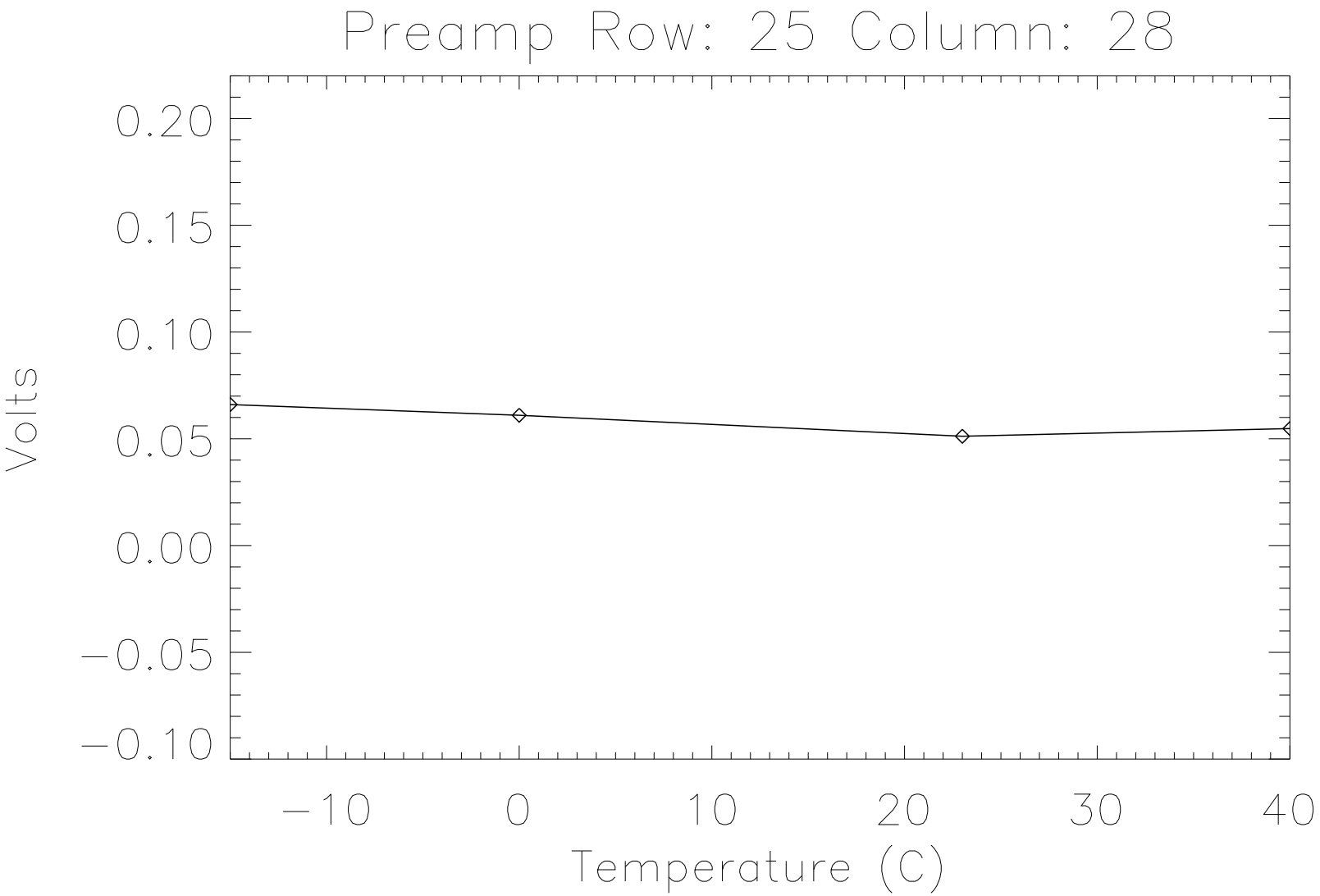

Shaper Row: 25 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

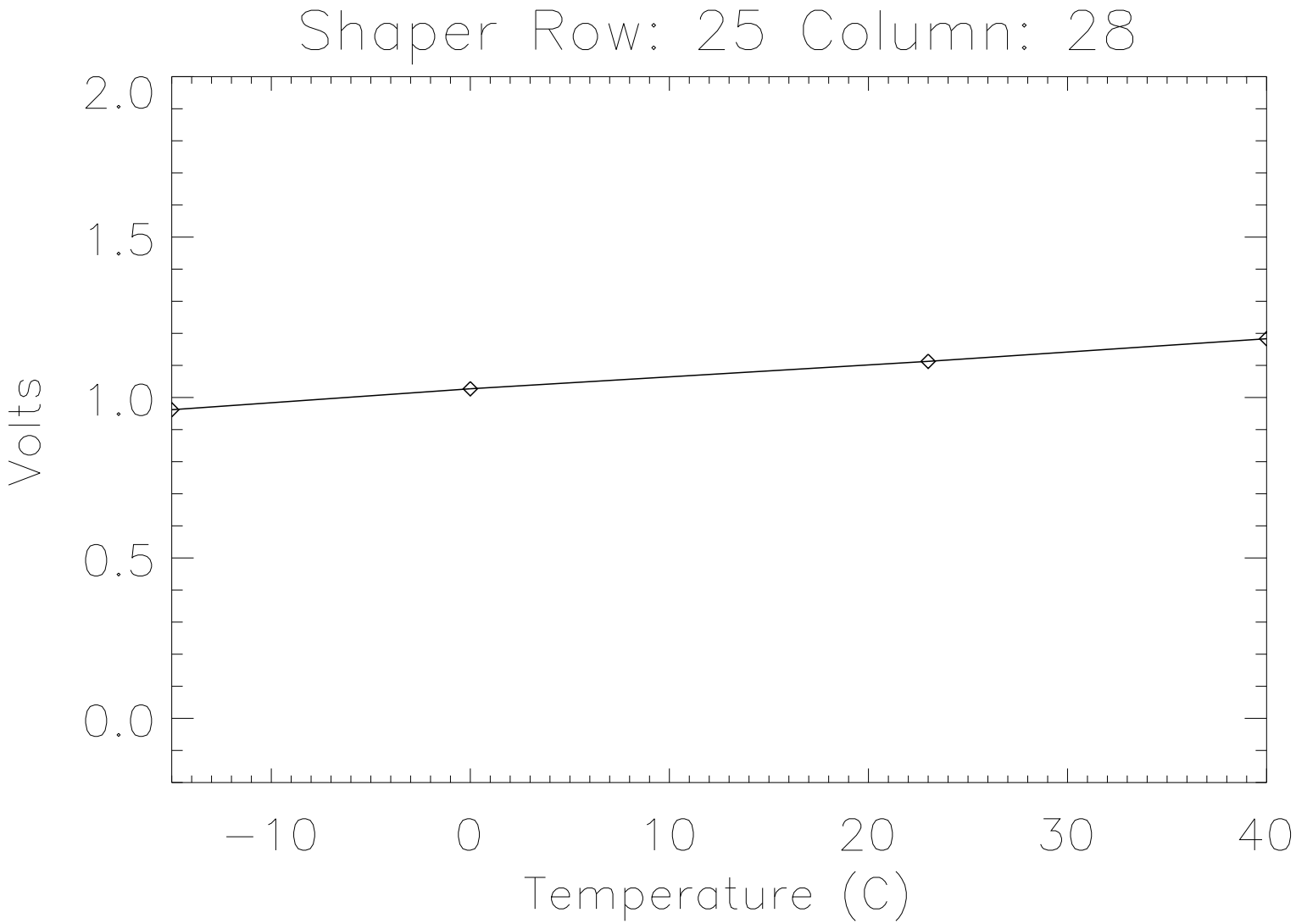

Leakage Row: 25 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 25 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 25 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 25 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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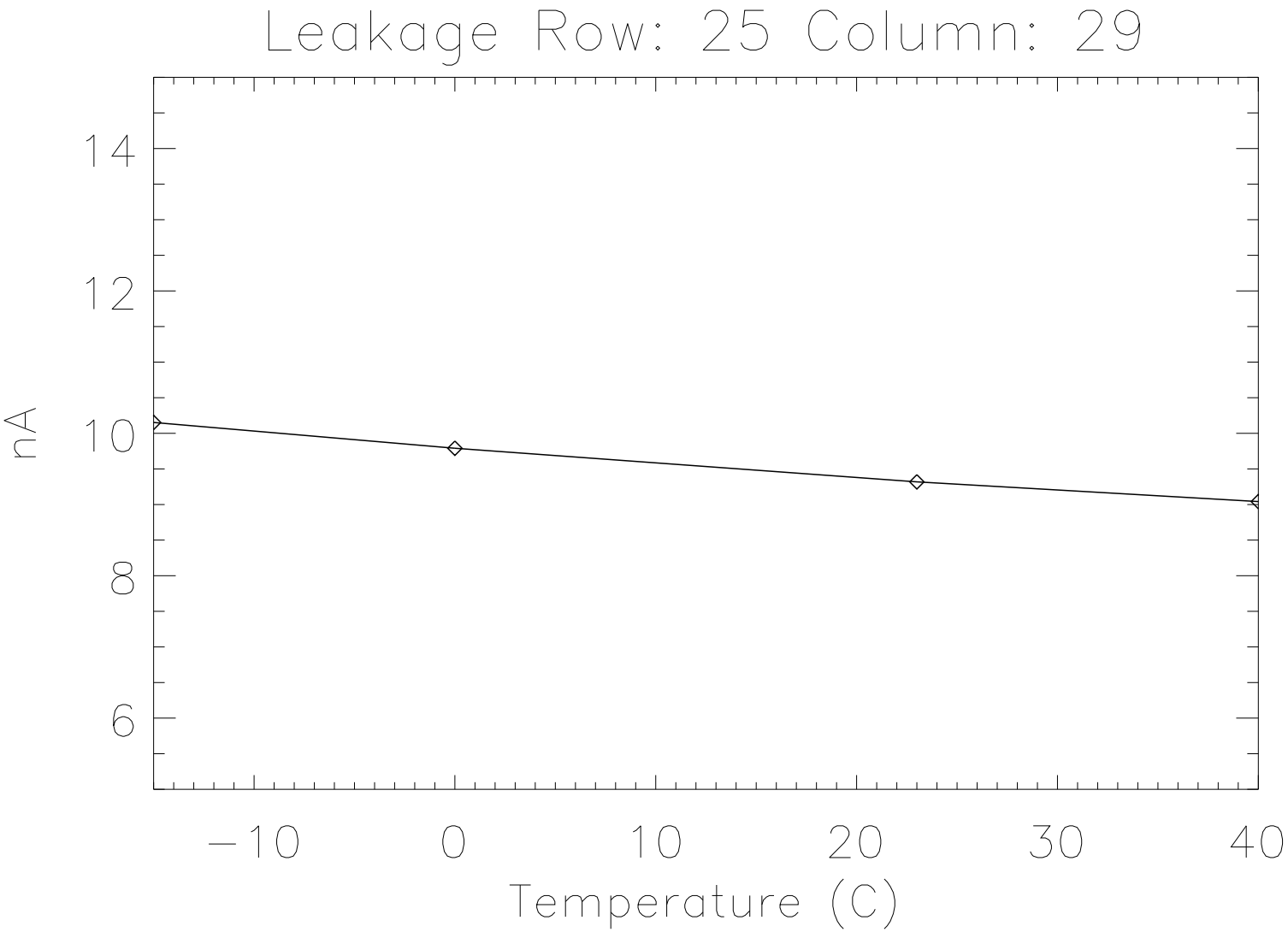
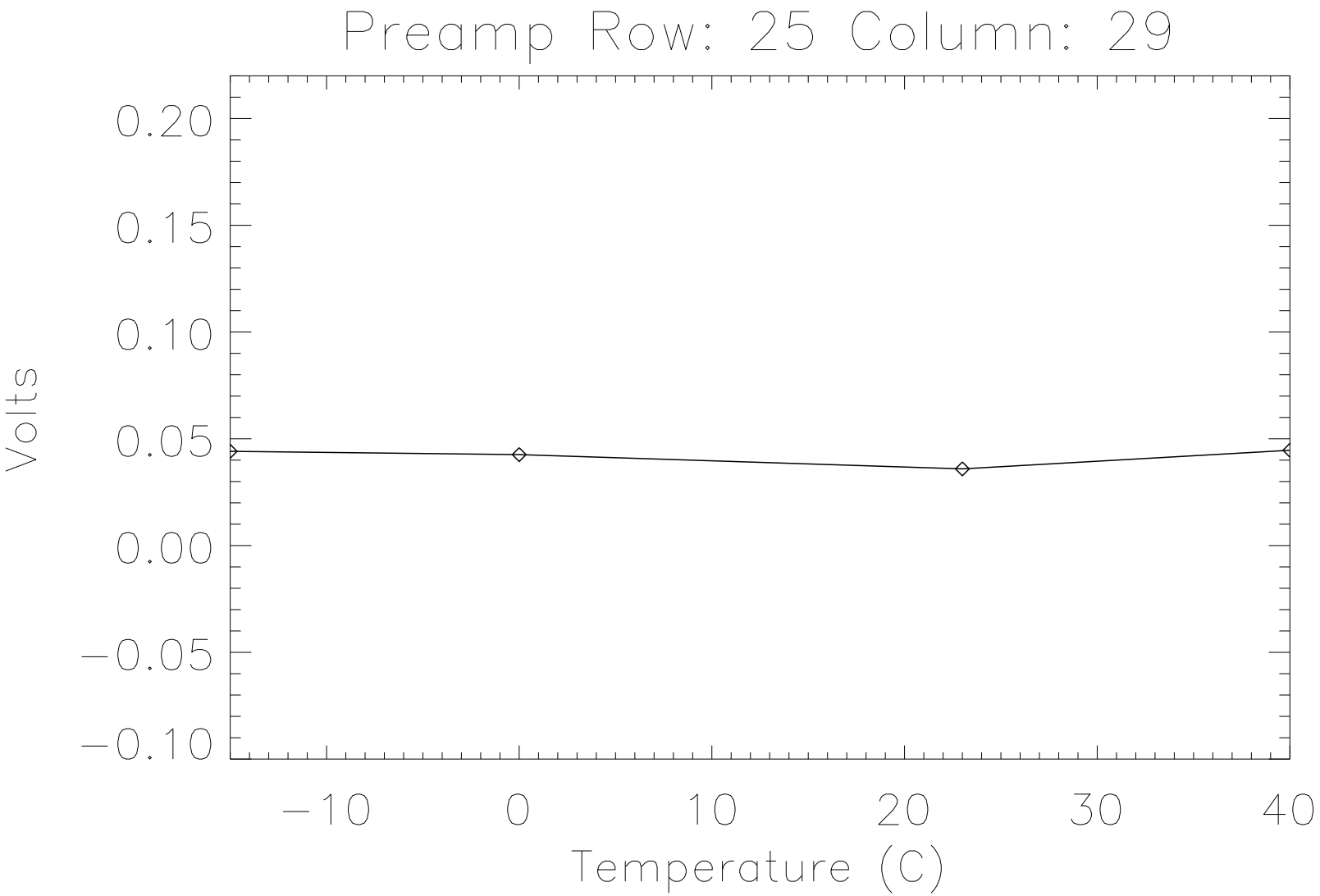
20
30
40
Temperature (C)


Leakage Row: 25 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)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0.20
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0.10
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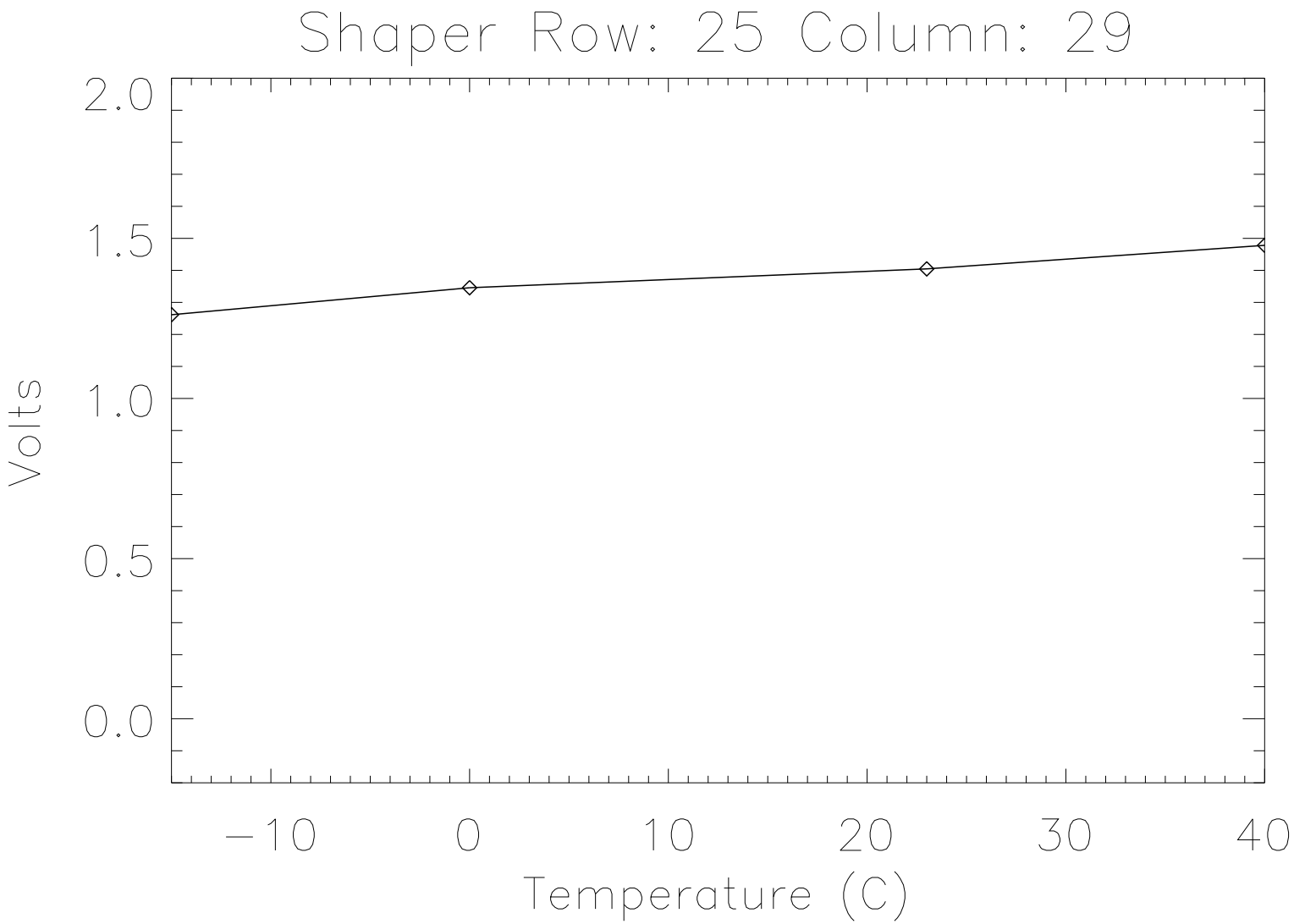
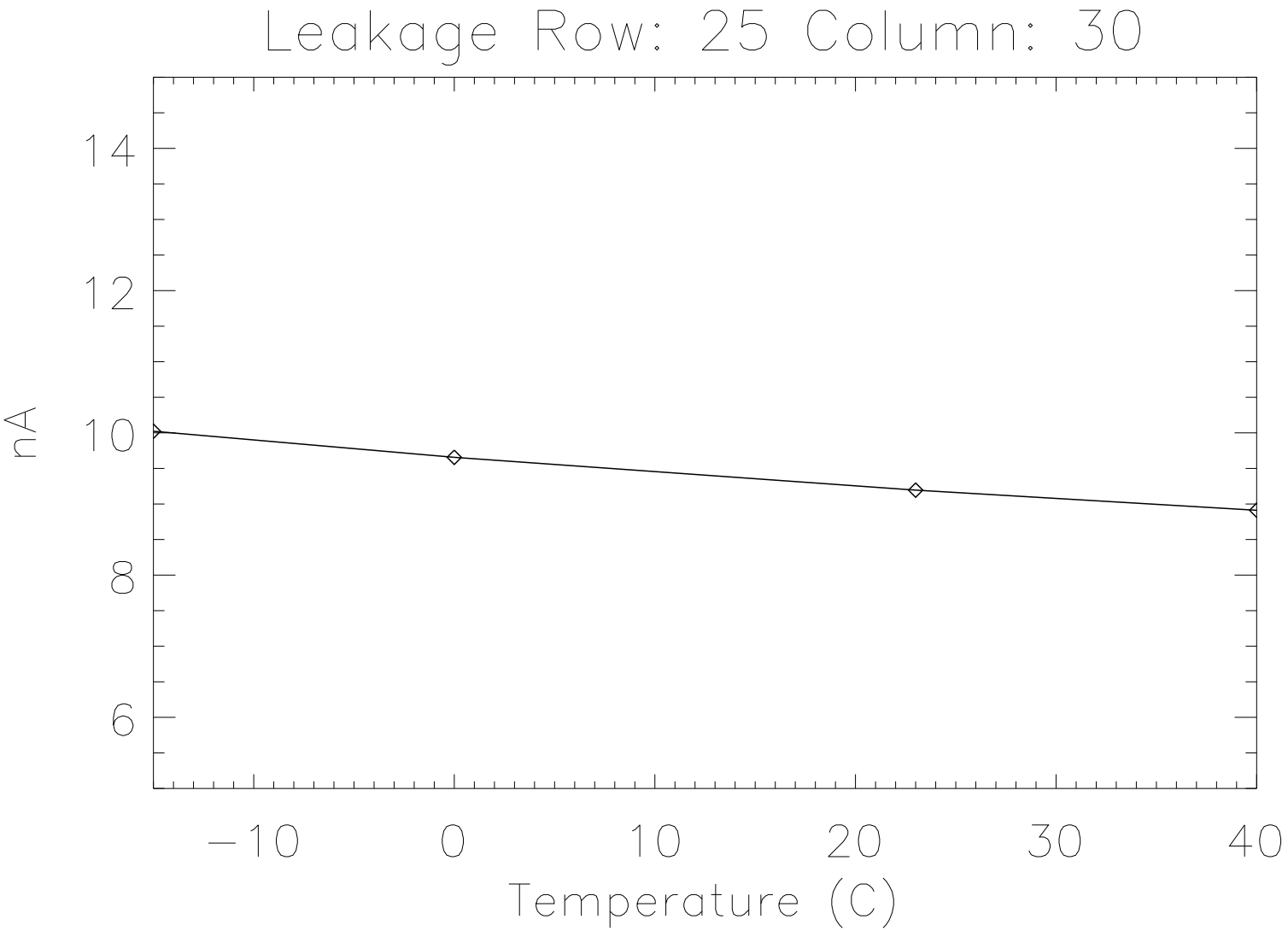
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 25 Column: 30
nA
14
12
10
8
6
−10
0
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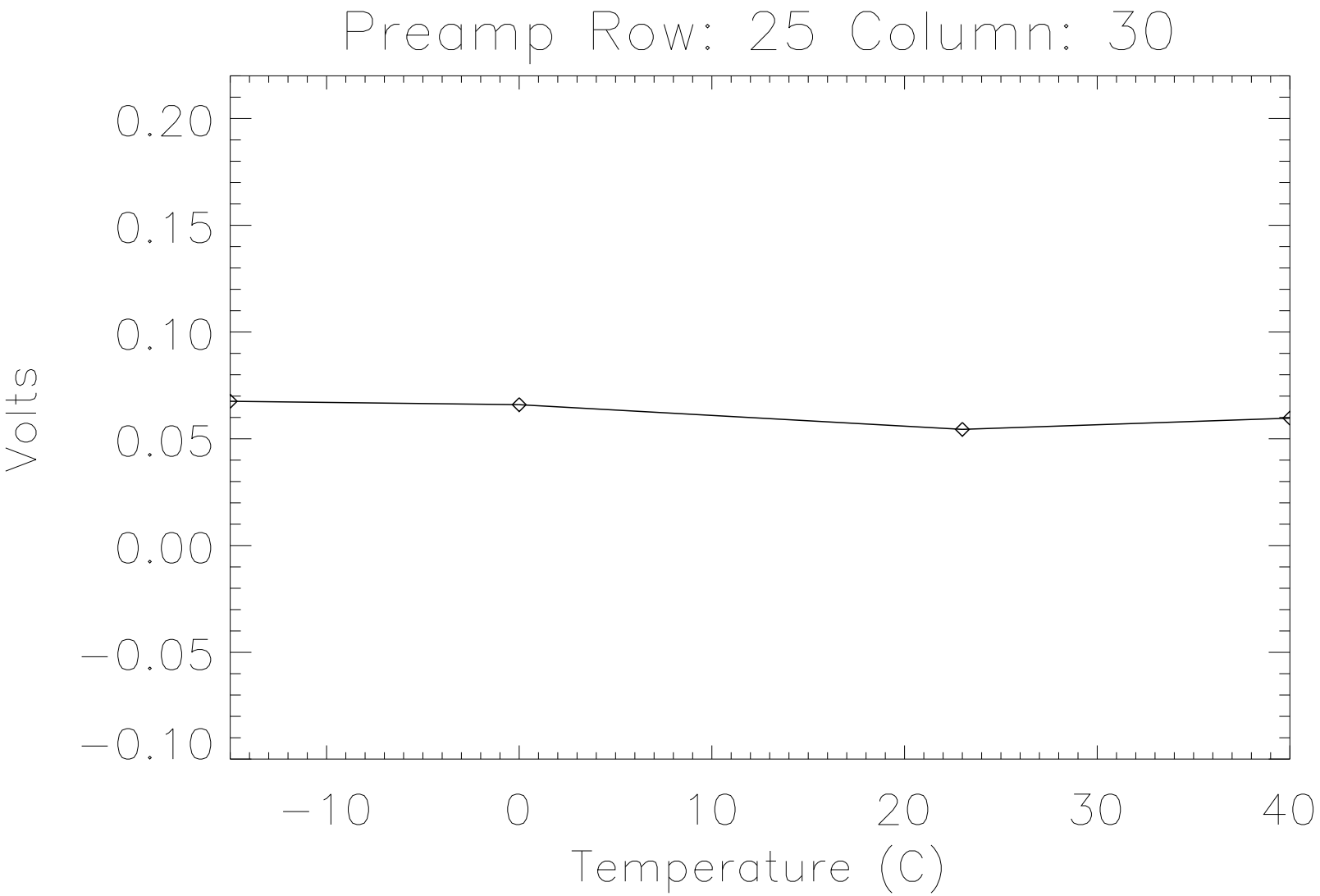
20
30
40
Temperature (C)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0.00
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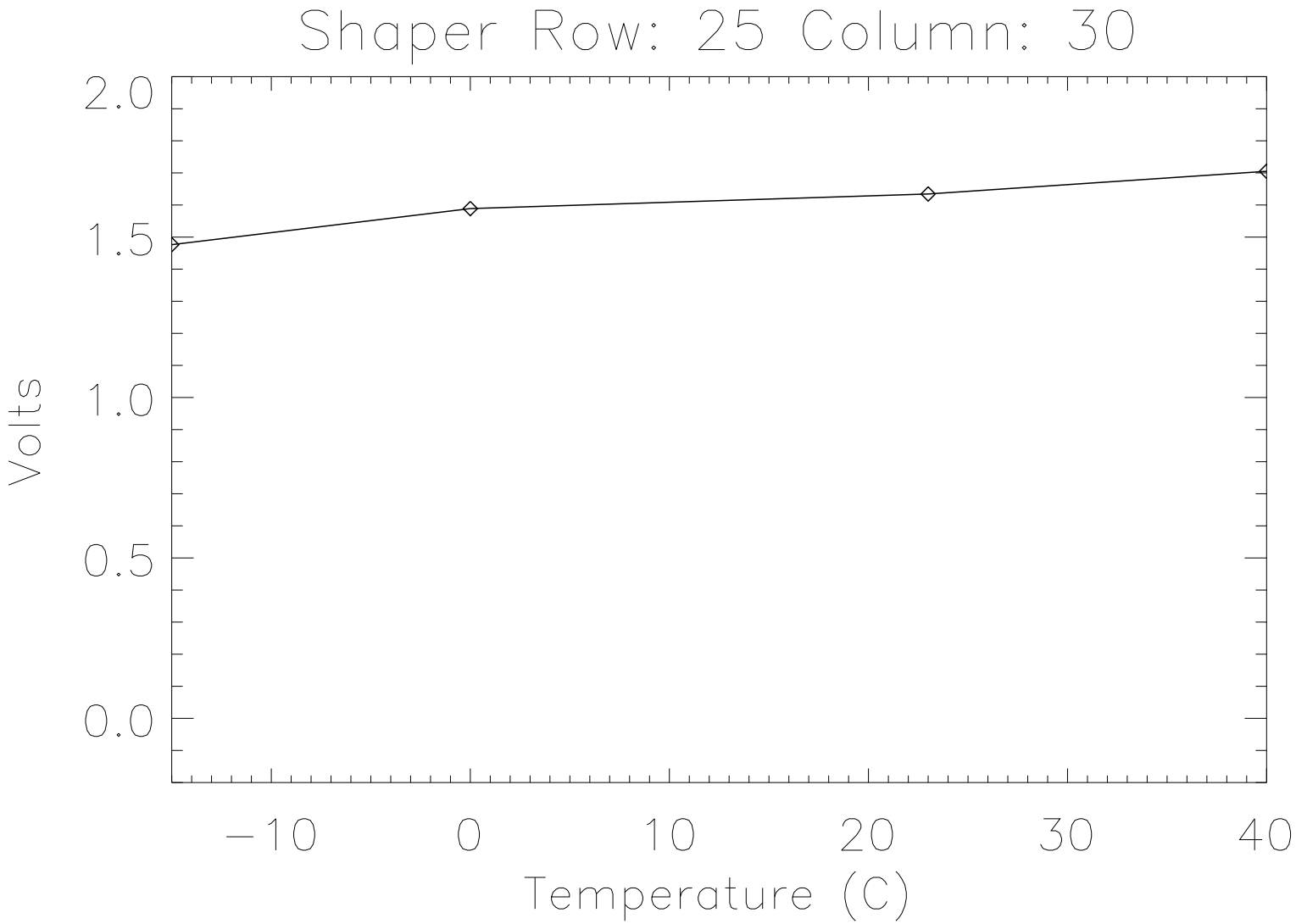
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 30
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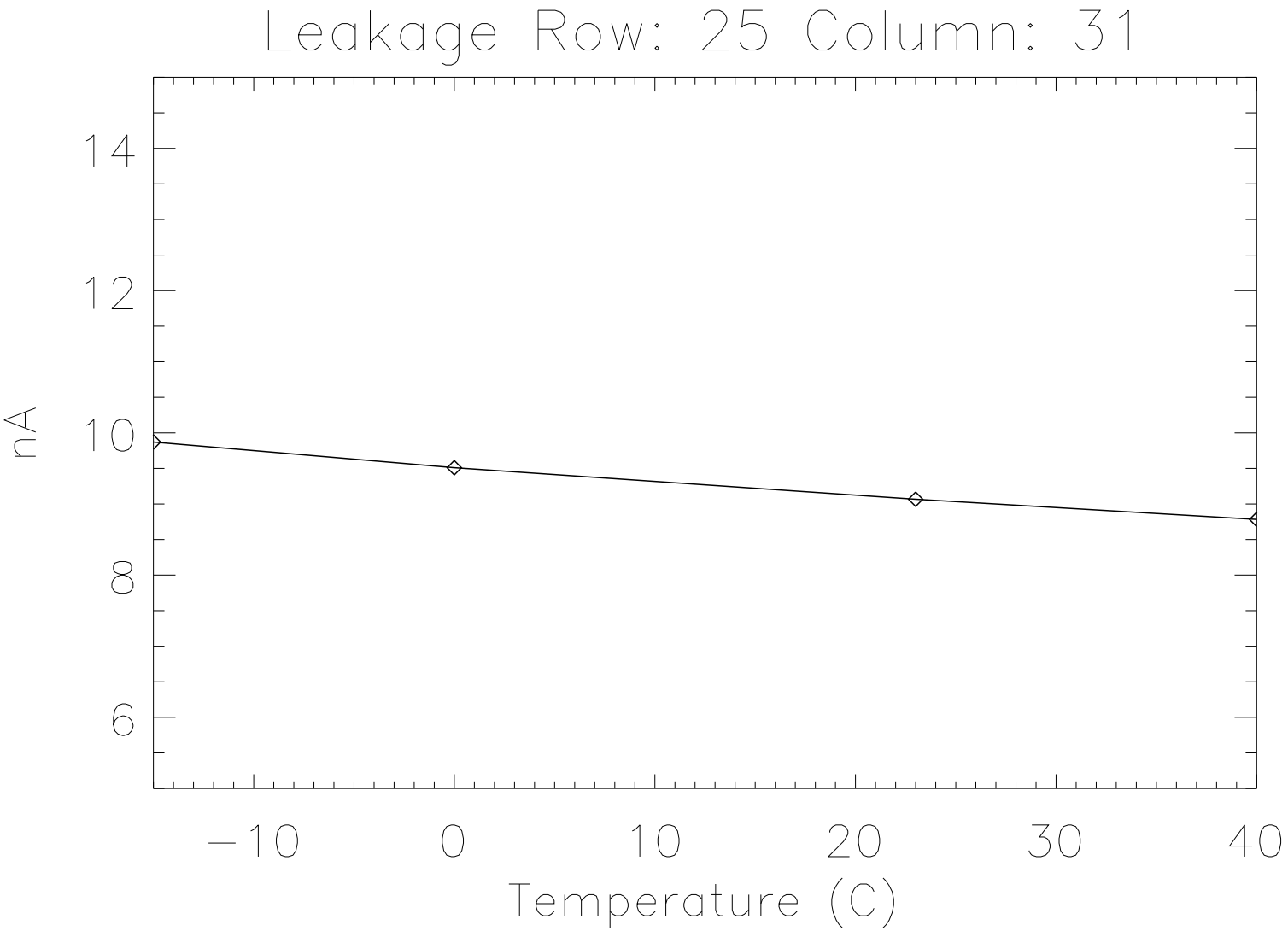
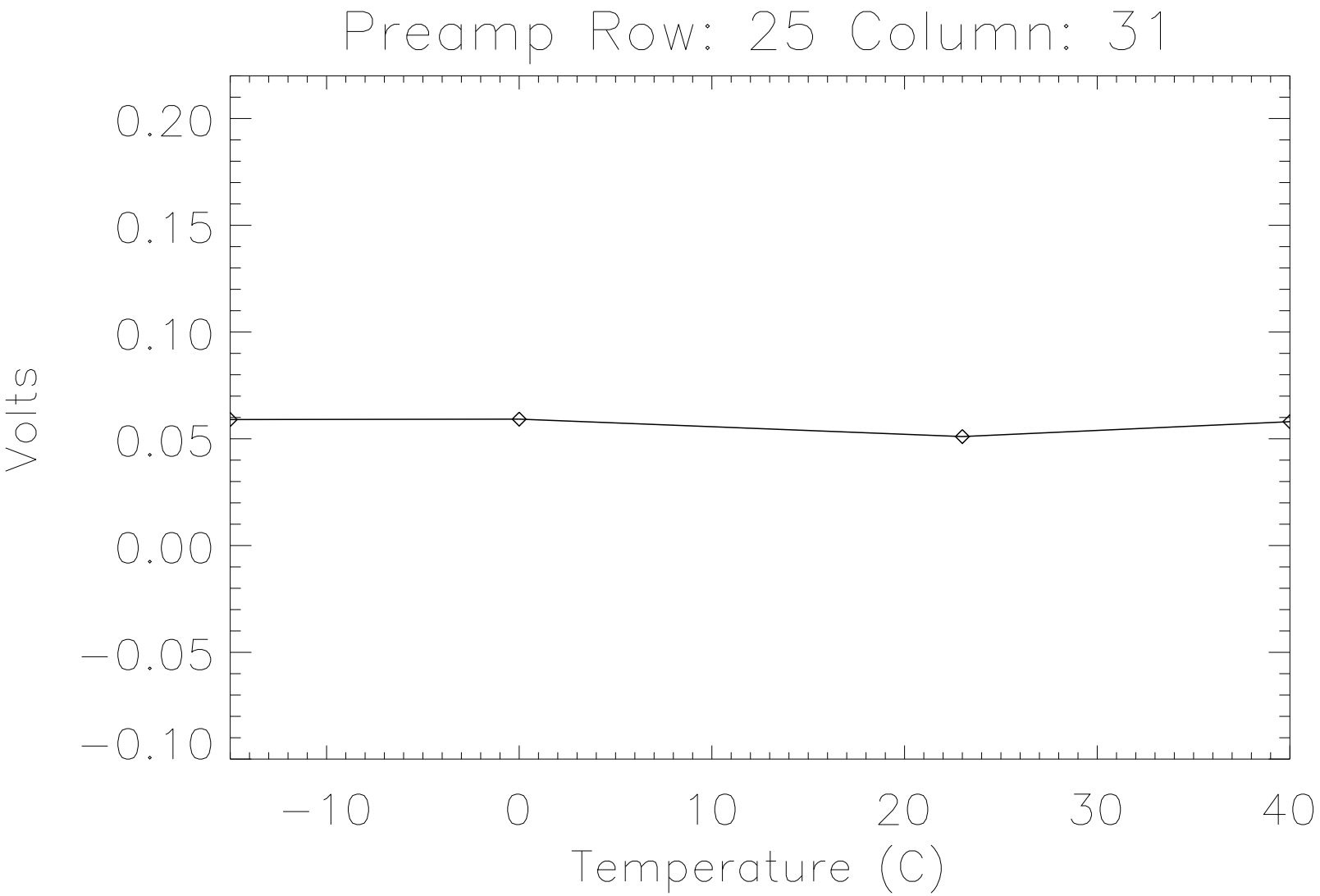
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 25 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 25 Column: 31
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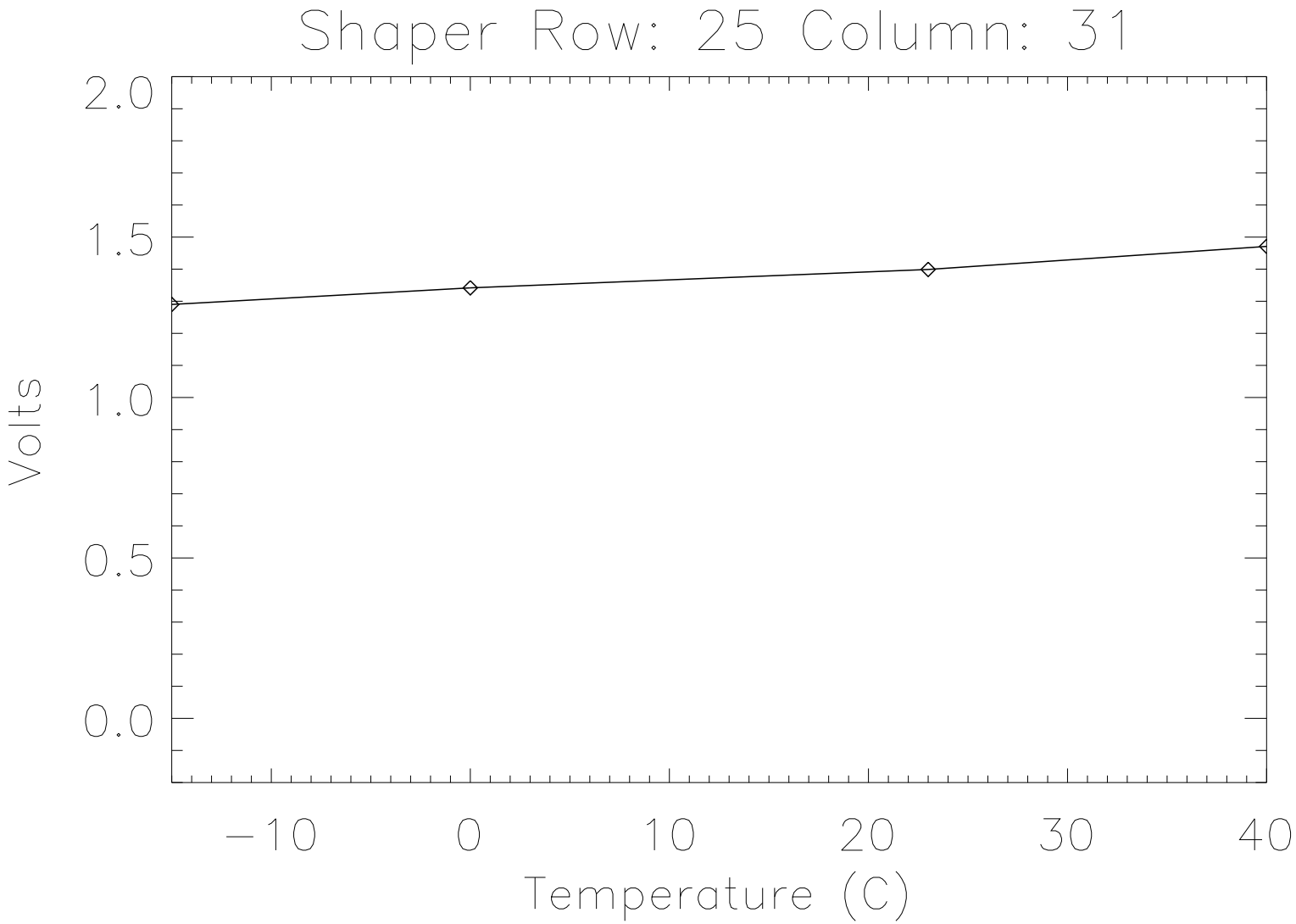
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 25 Column: 31
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1.5
1.0
0.5
0.0
Volts
−10
0
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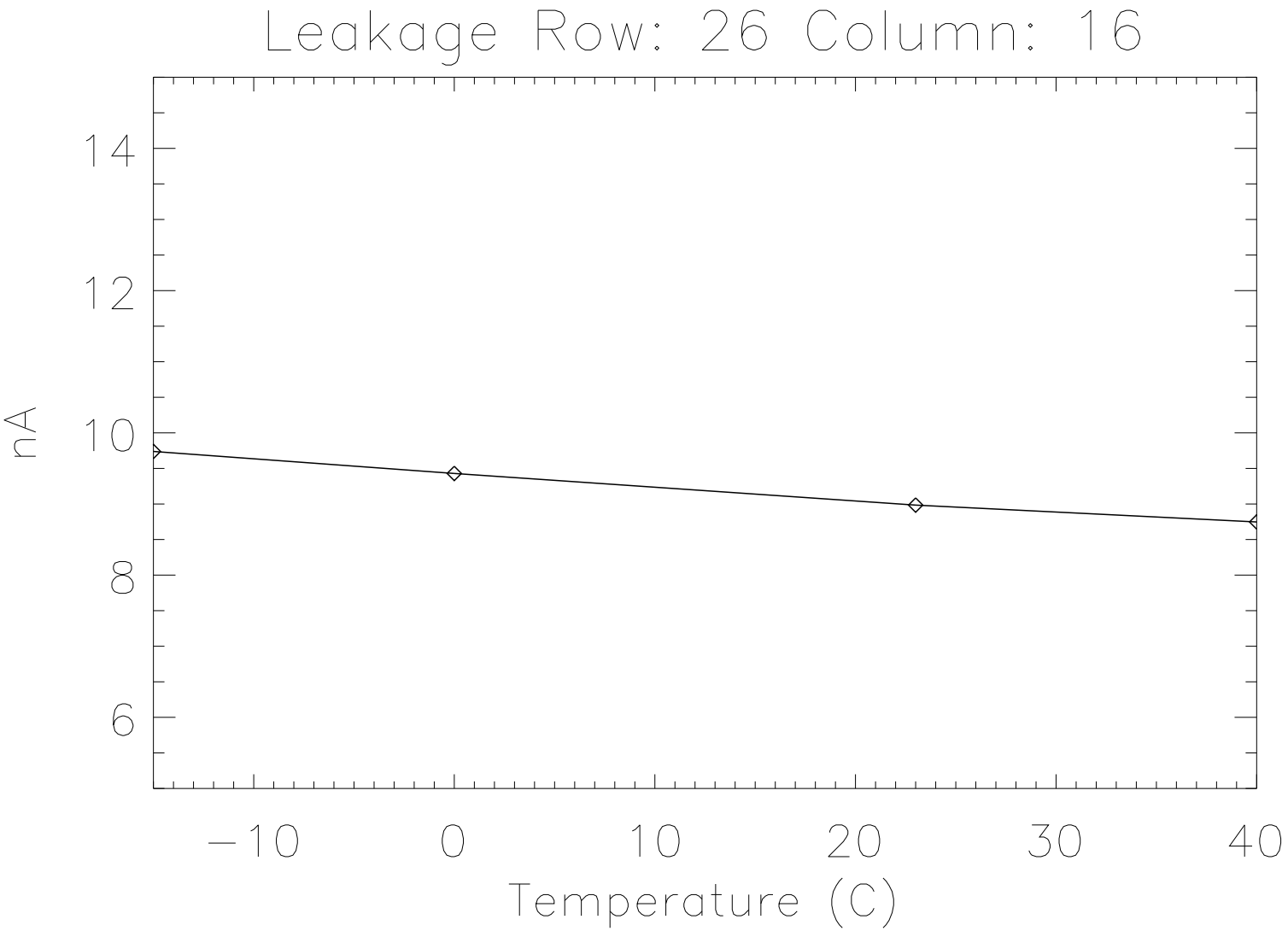
20
30
40
Temperature (C)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8
6
−10
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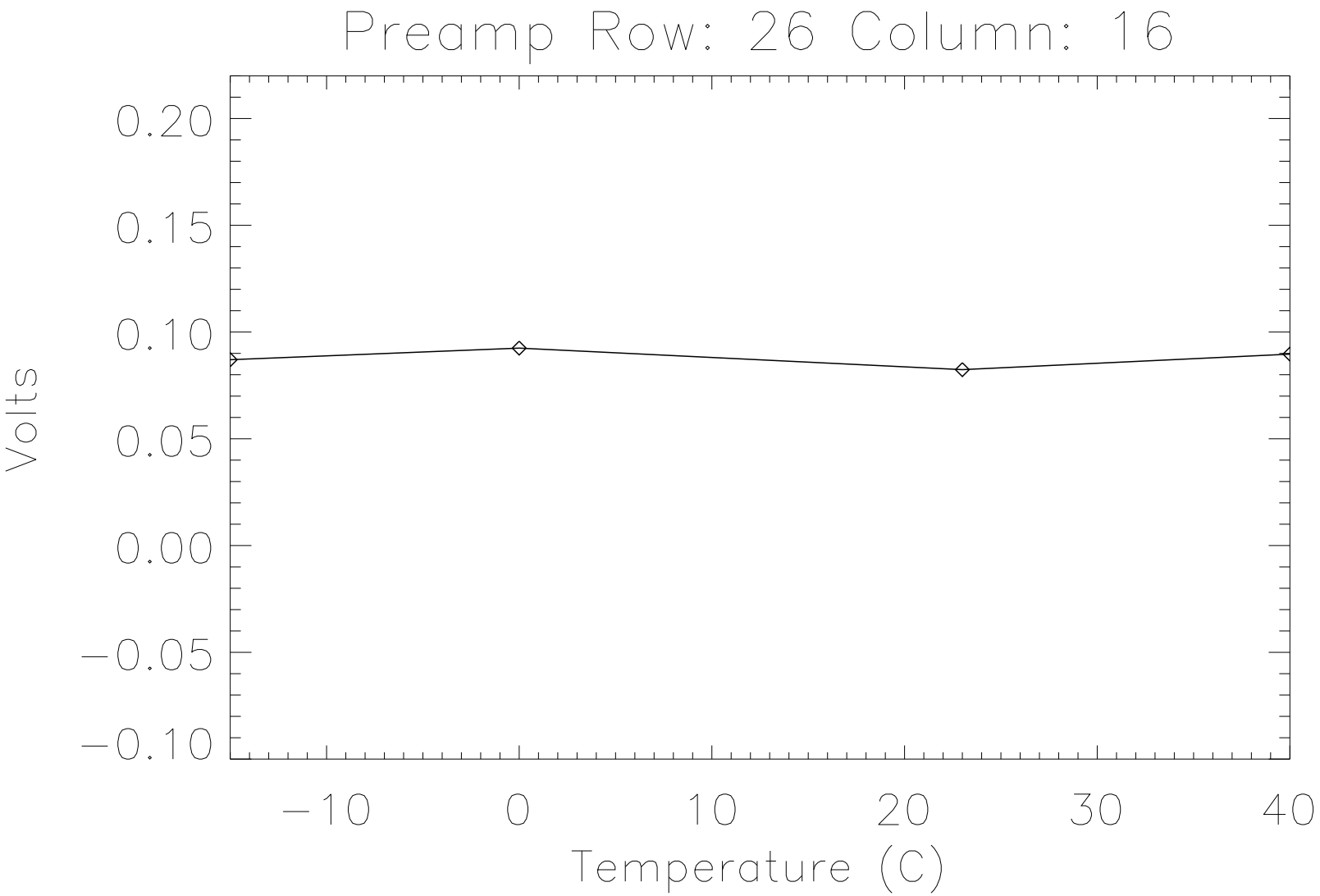
10
20
30
40
Temperature (C)


Preamp Row: 26 Column: 16
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Volts
−10
0
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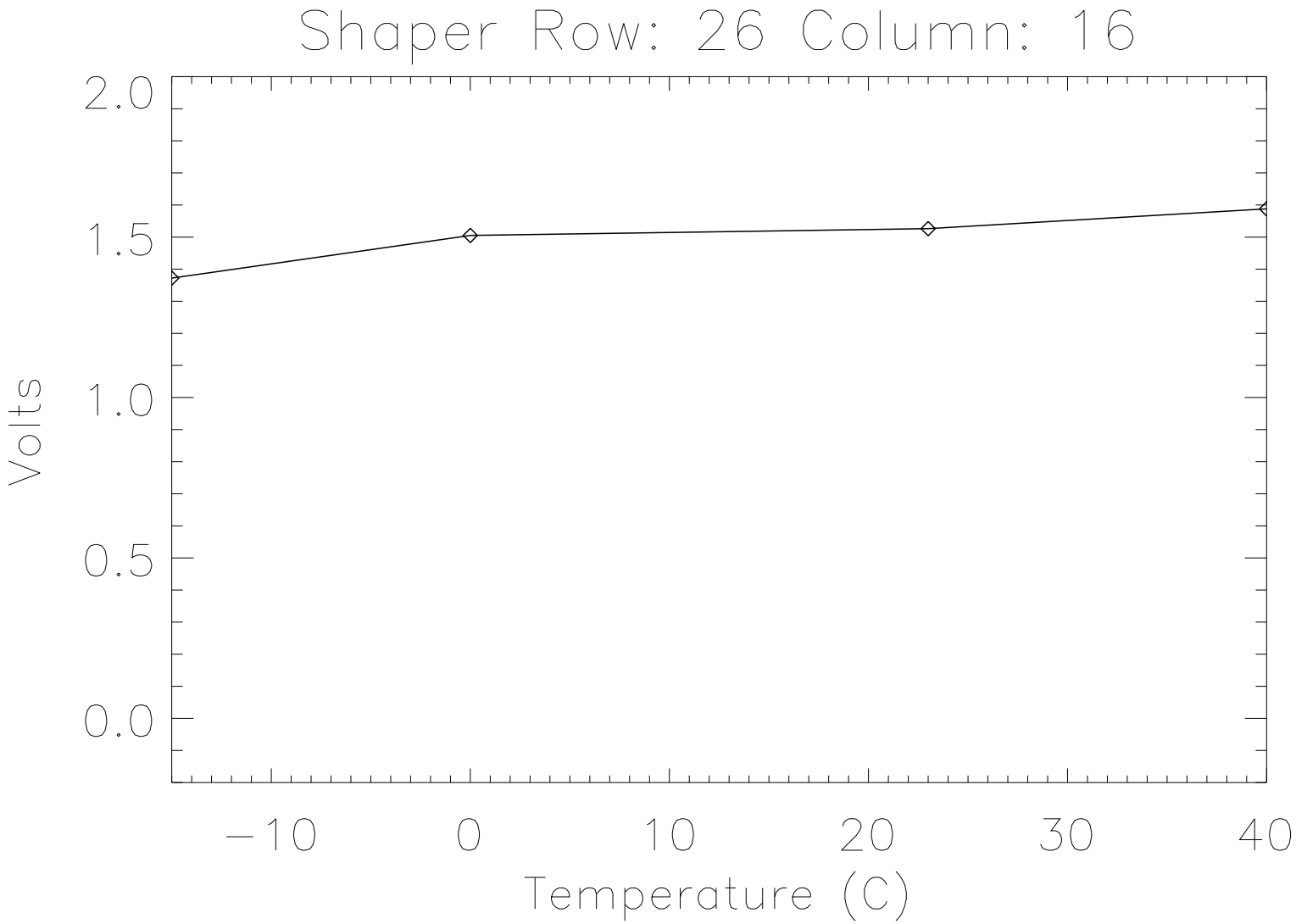
30
40
Temperature (C)


Shaper Row: 26 Column: 16
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1.0
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Volts
−10
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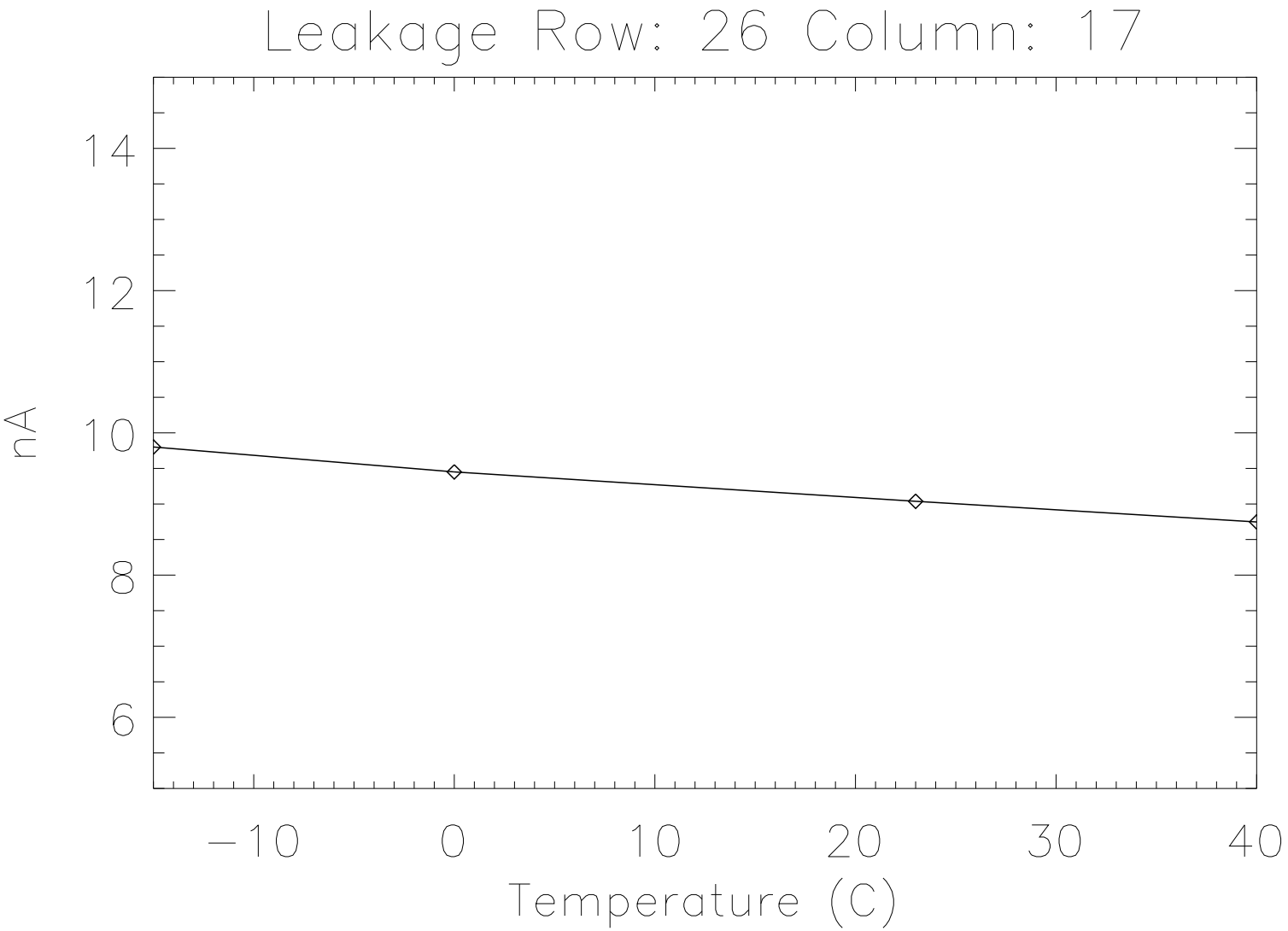
Temperature (C)


Leakage Row: 26 Column: 17
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12
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8
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−10
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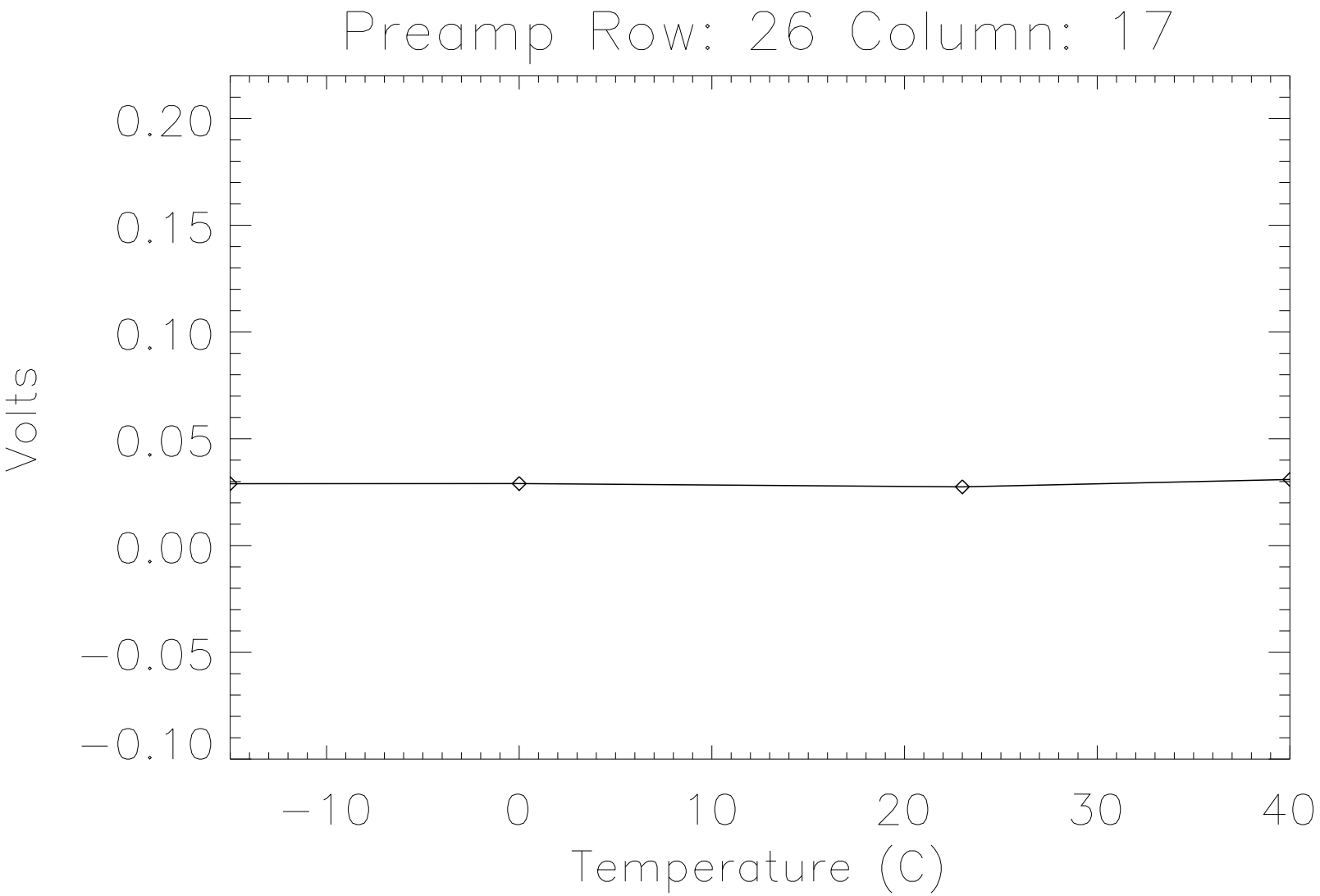
40
Temperature (C)


Preamp Row: 26 Column: 17
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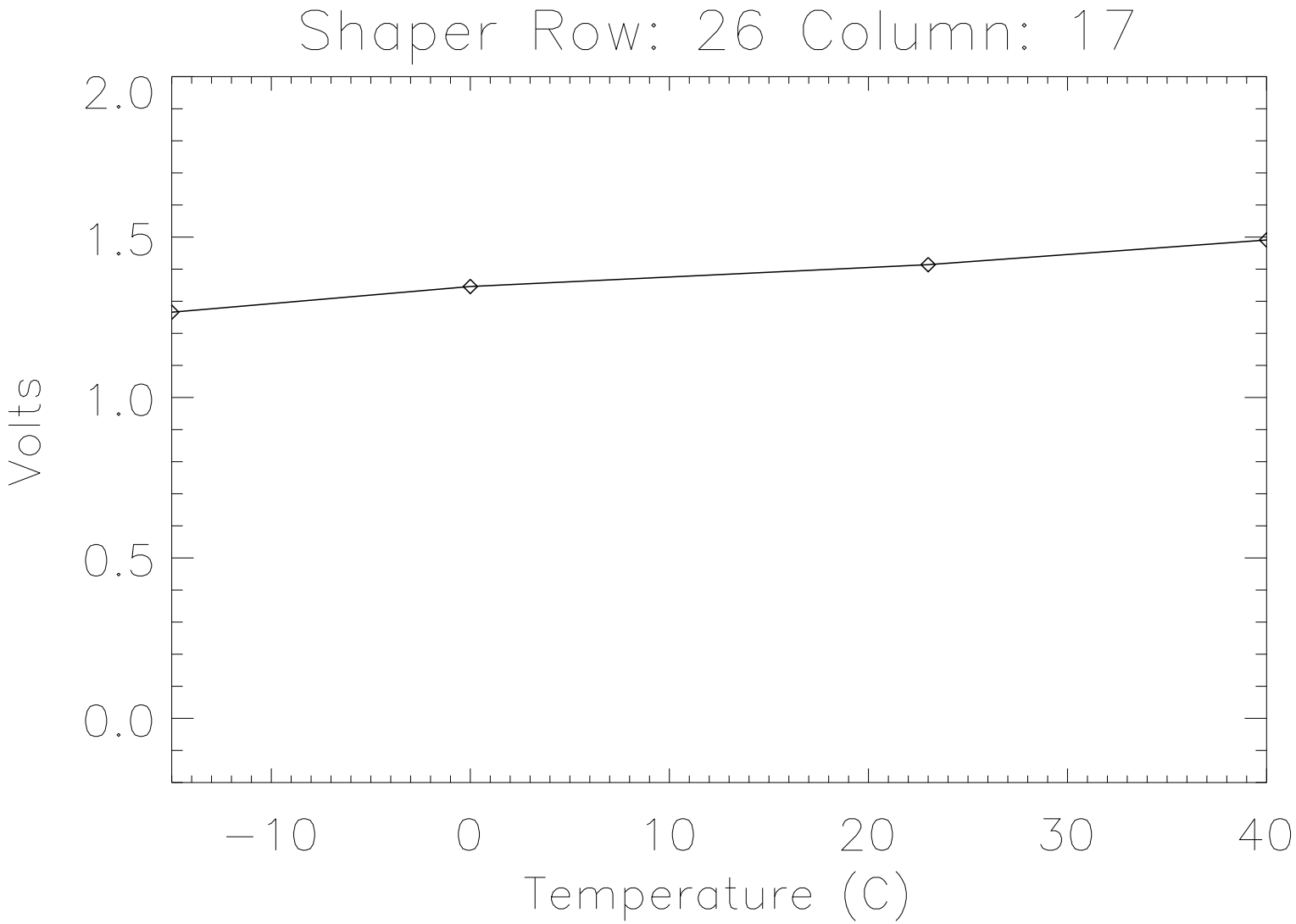
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 26 Column: 17
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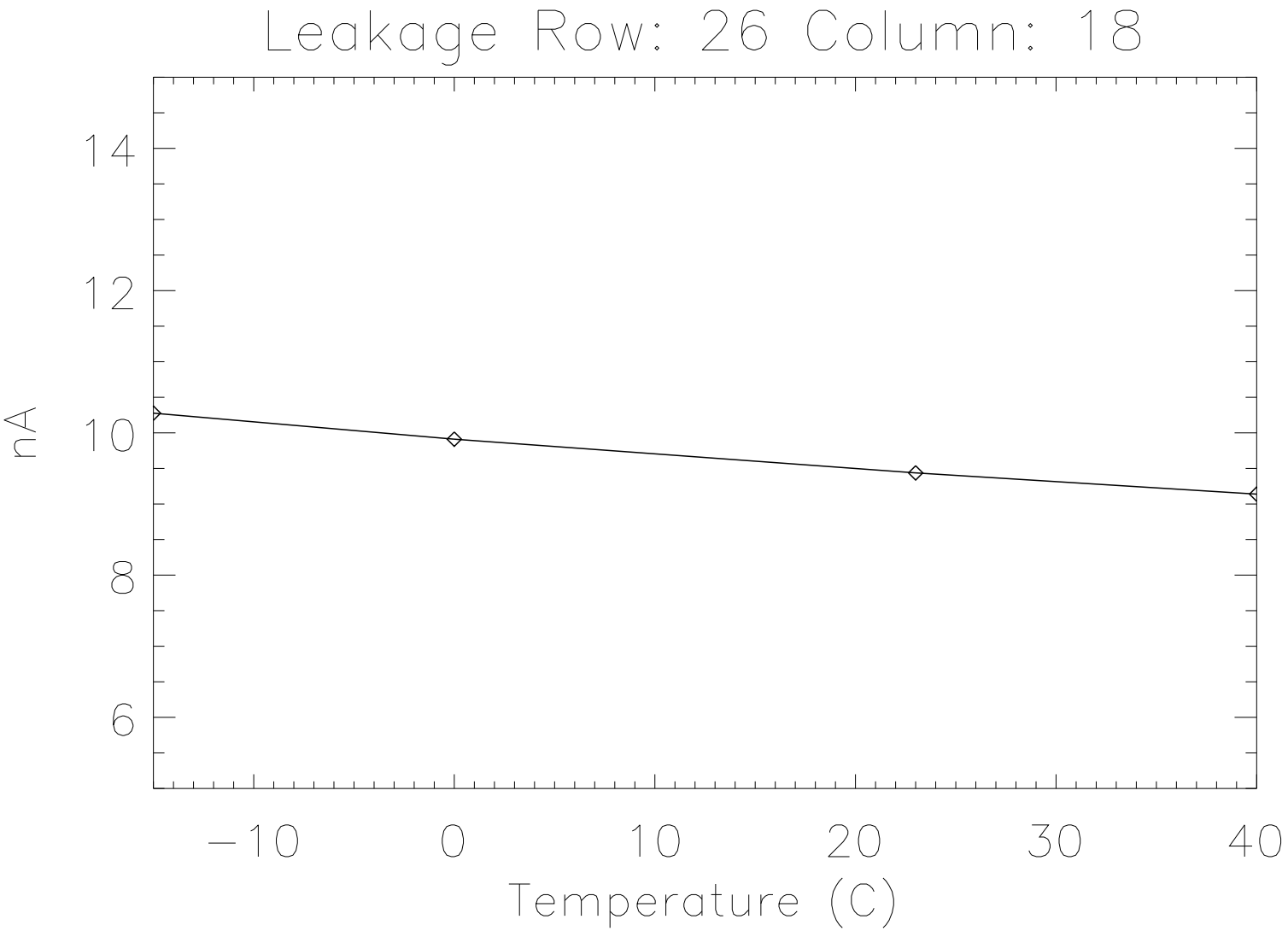
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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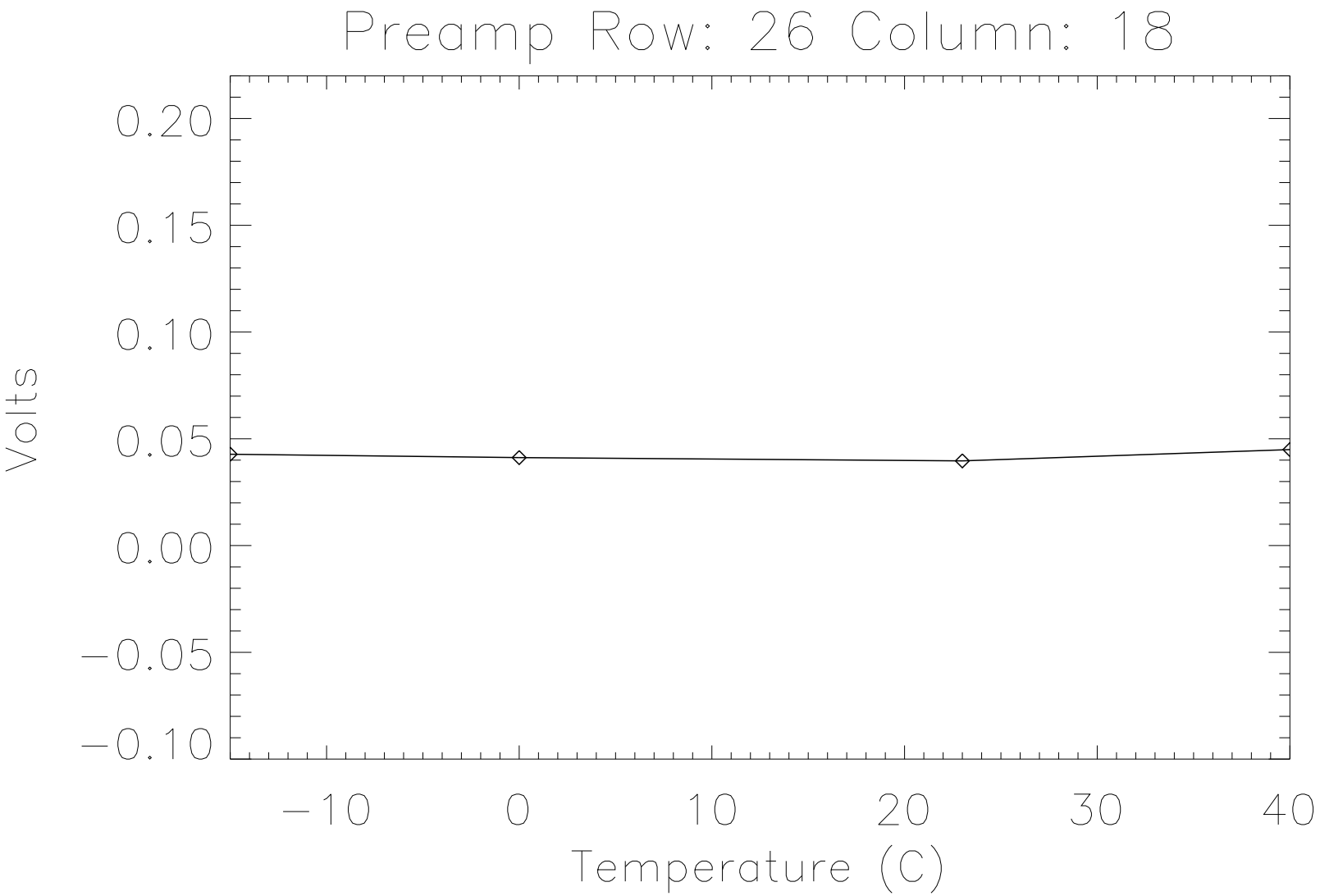
40
Temperature (C)


Preamp Row: 26 Column: 18
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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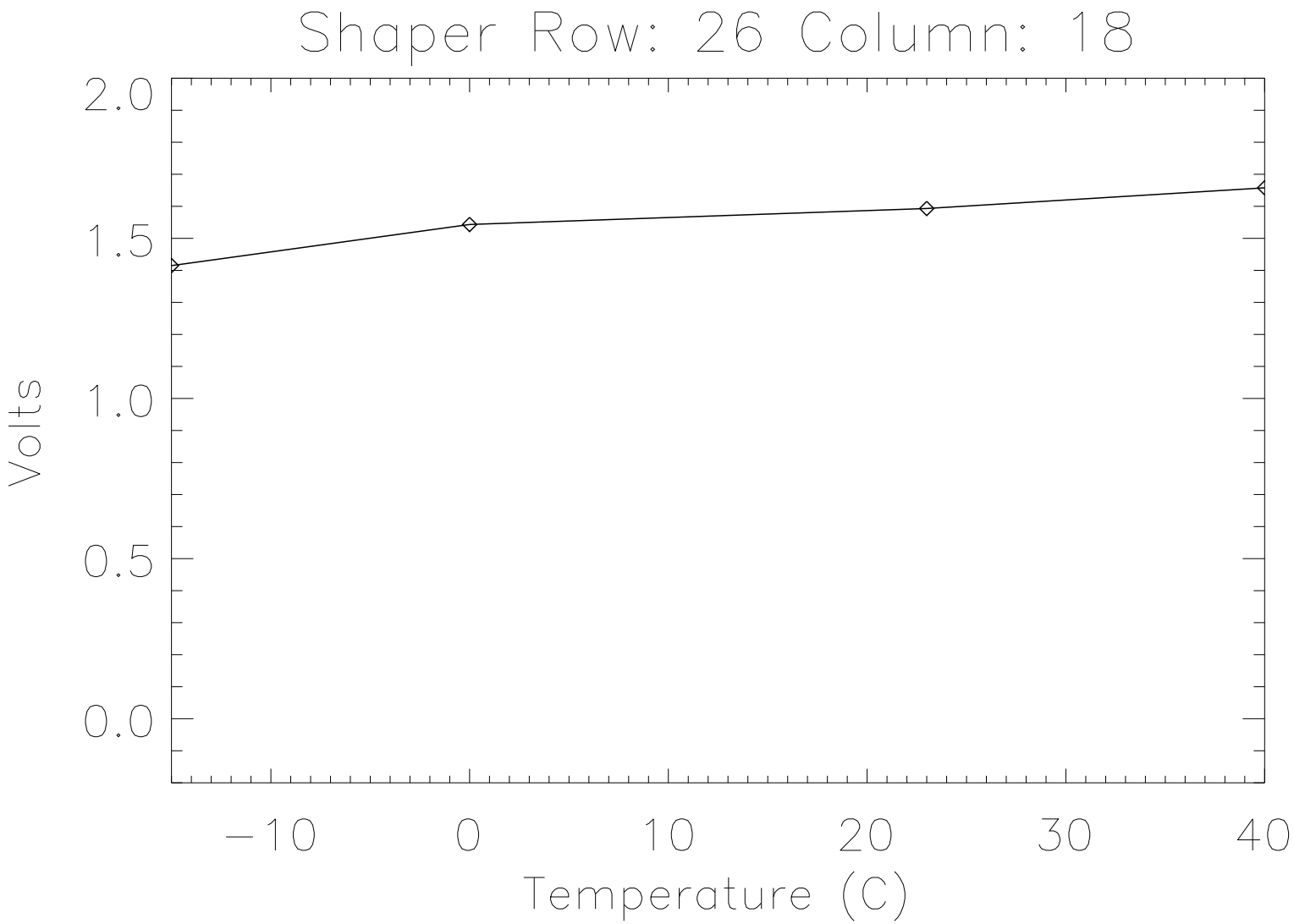
20
30
40
Temperature (C)


Shaper Row: 26 Column: 18
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1.0
0.5
0.0
Volts
−10
0
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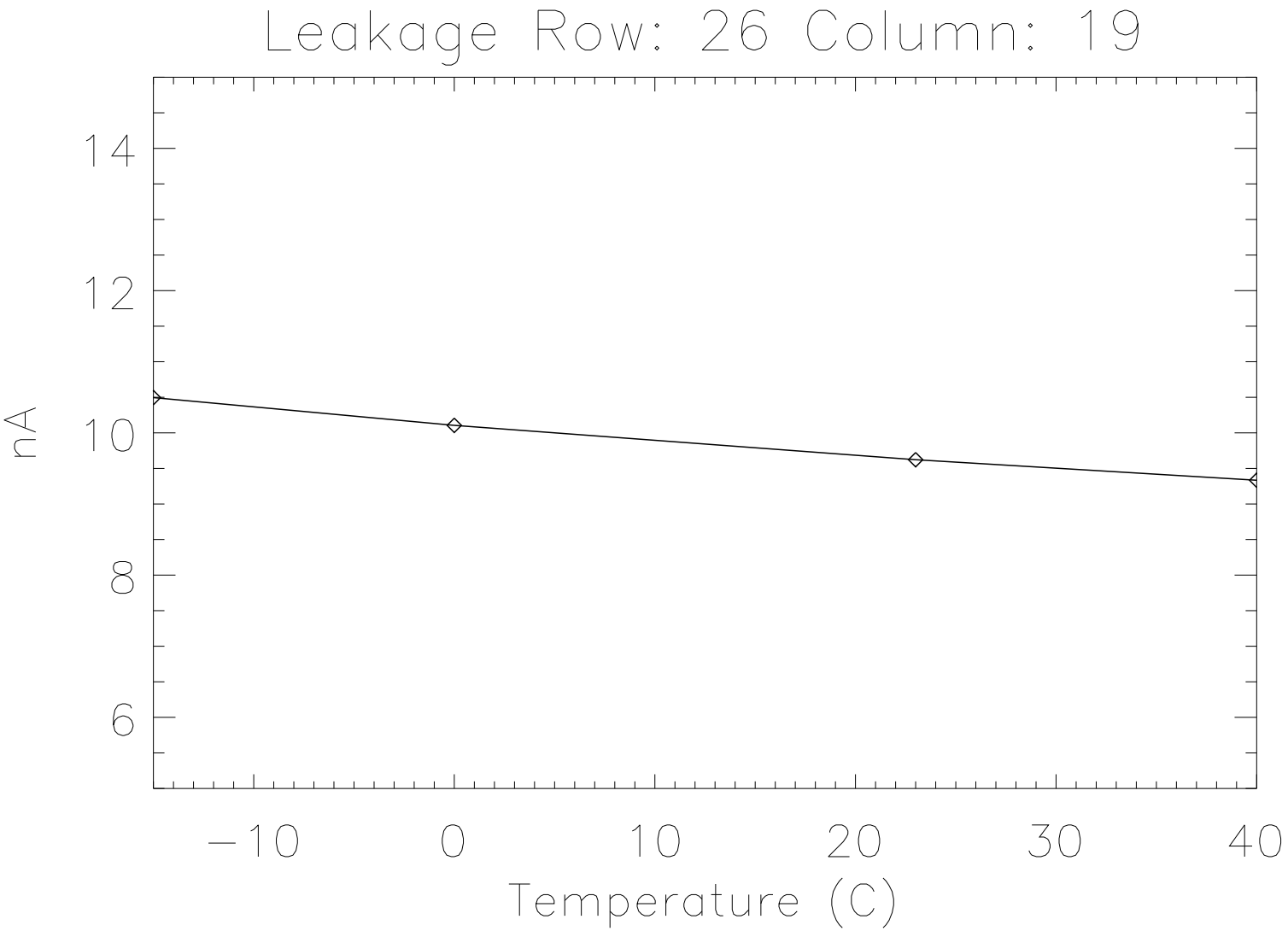
20
30
40
Temperature (C)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8
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−10
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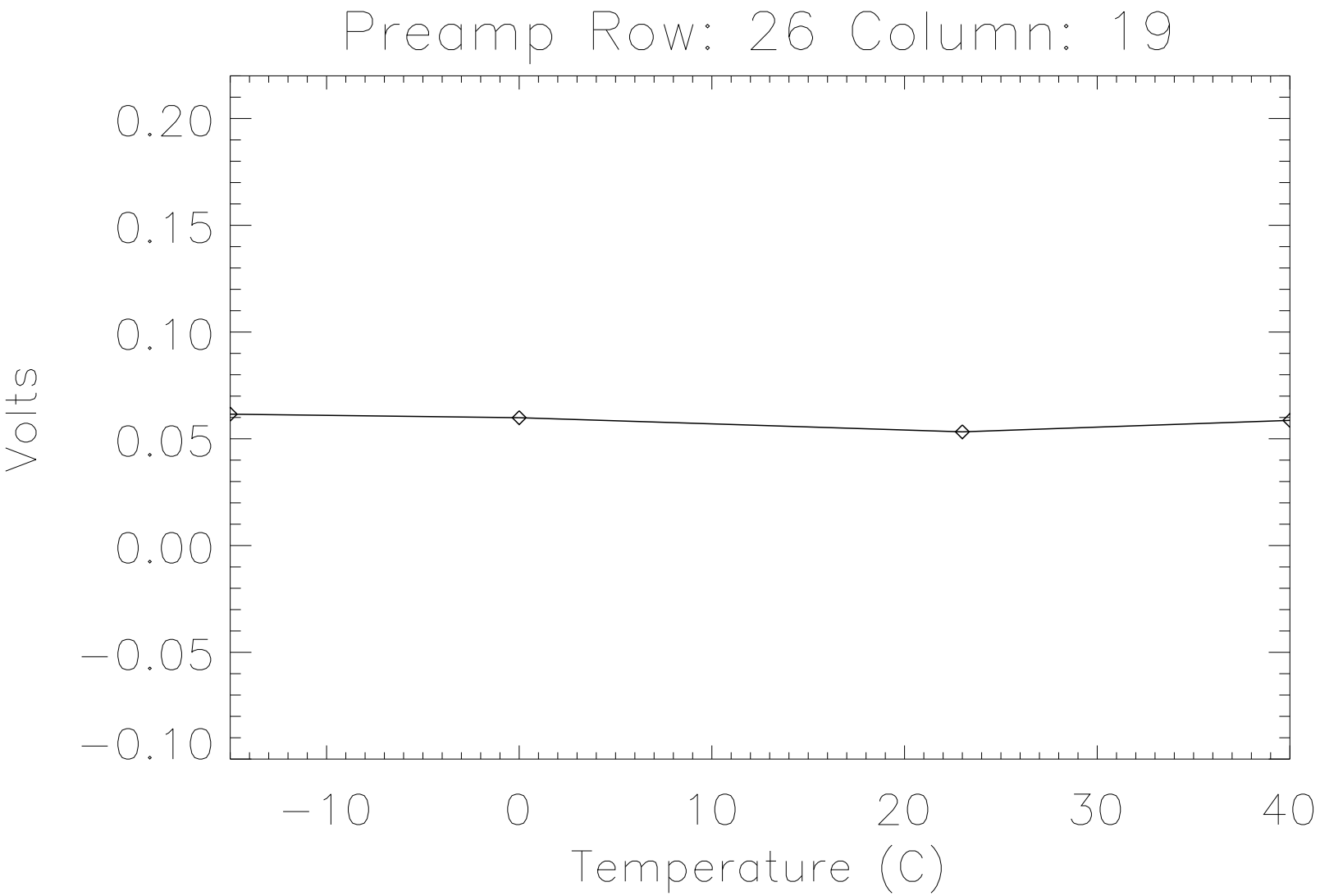
20
30
40
Temperature (C)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Volts
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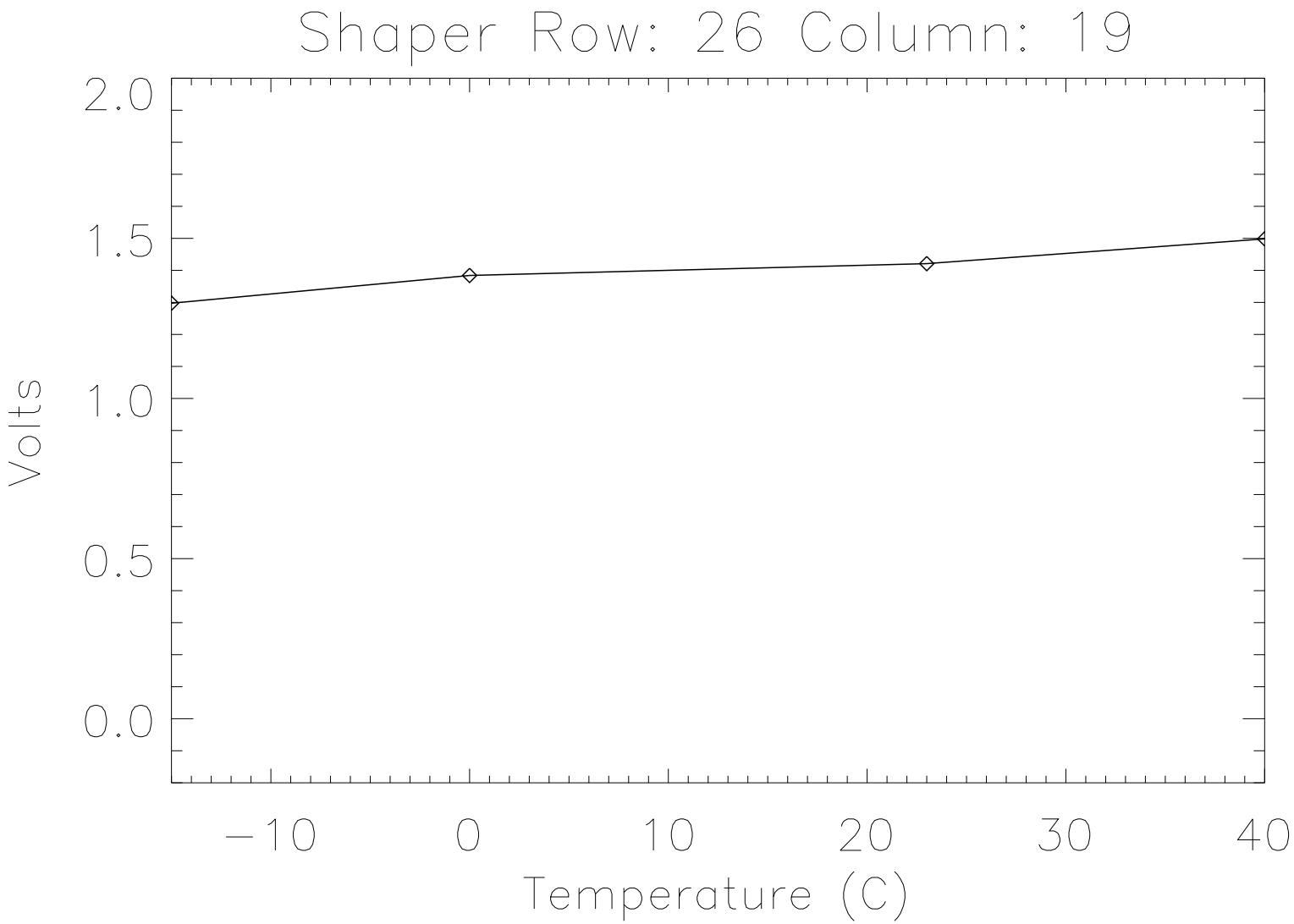
Temperature (C)


Shaper Row: 26 Column: 19
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1.5
1.0
0.5
0.0
Volts
−10
0
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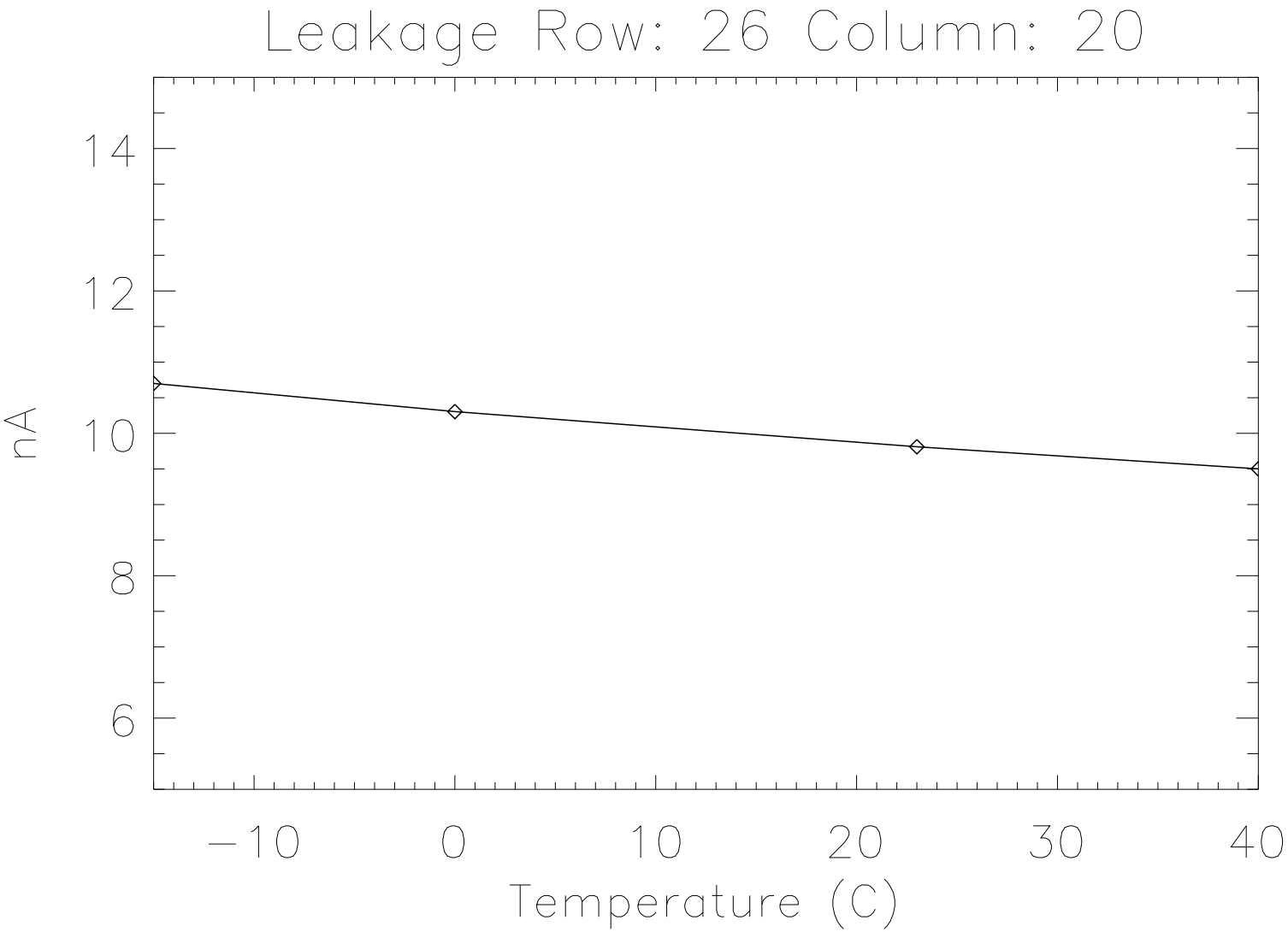
30
40
Temperature (C)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nA
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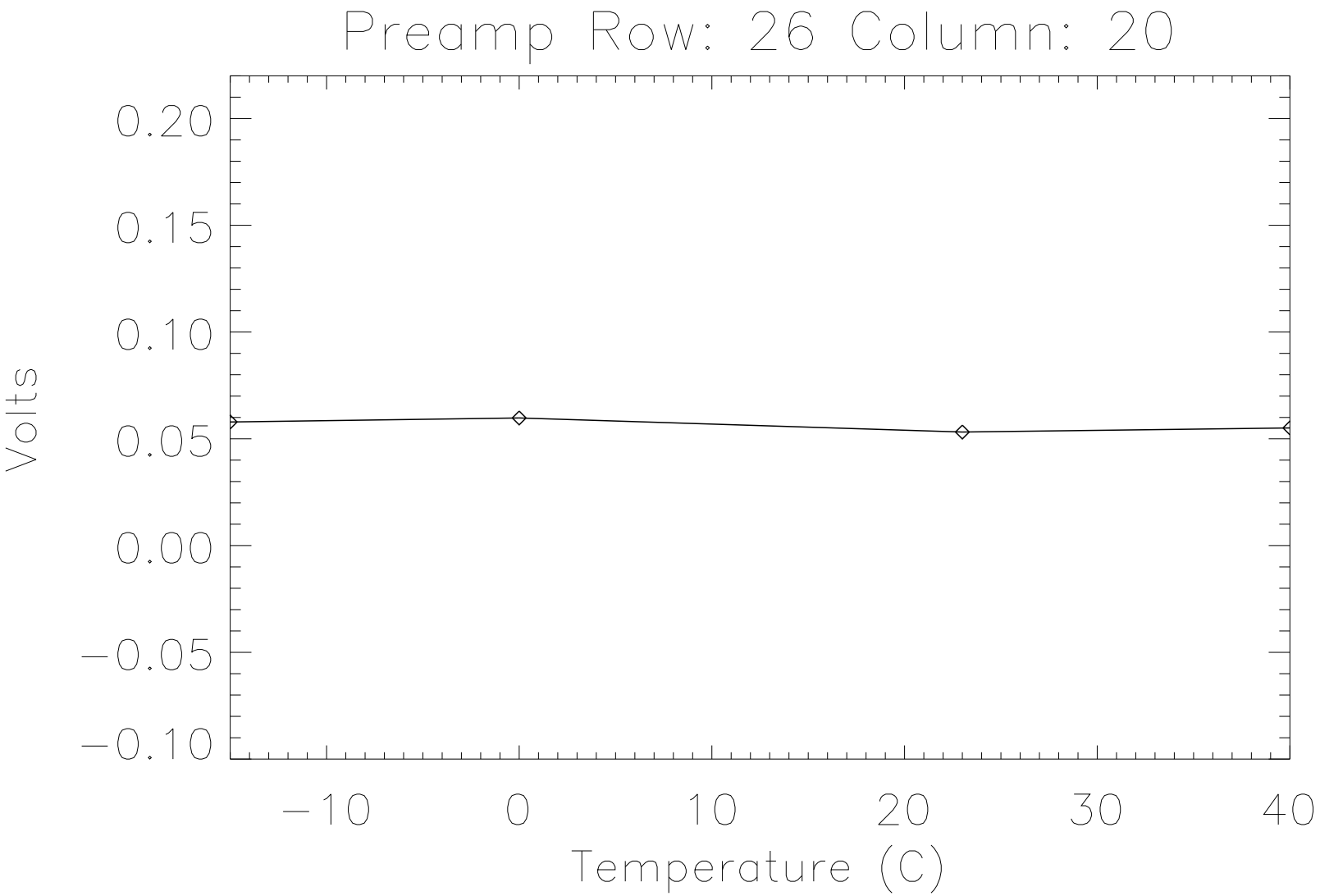
30
40
Temperature (C)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Volts
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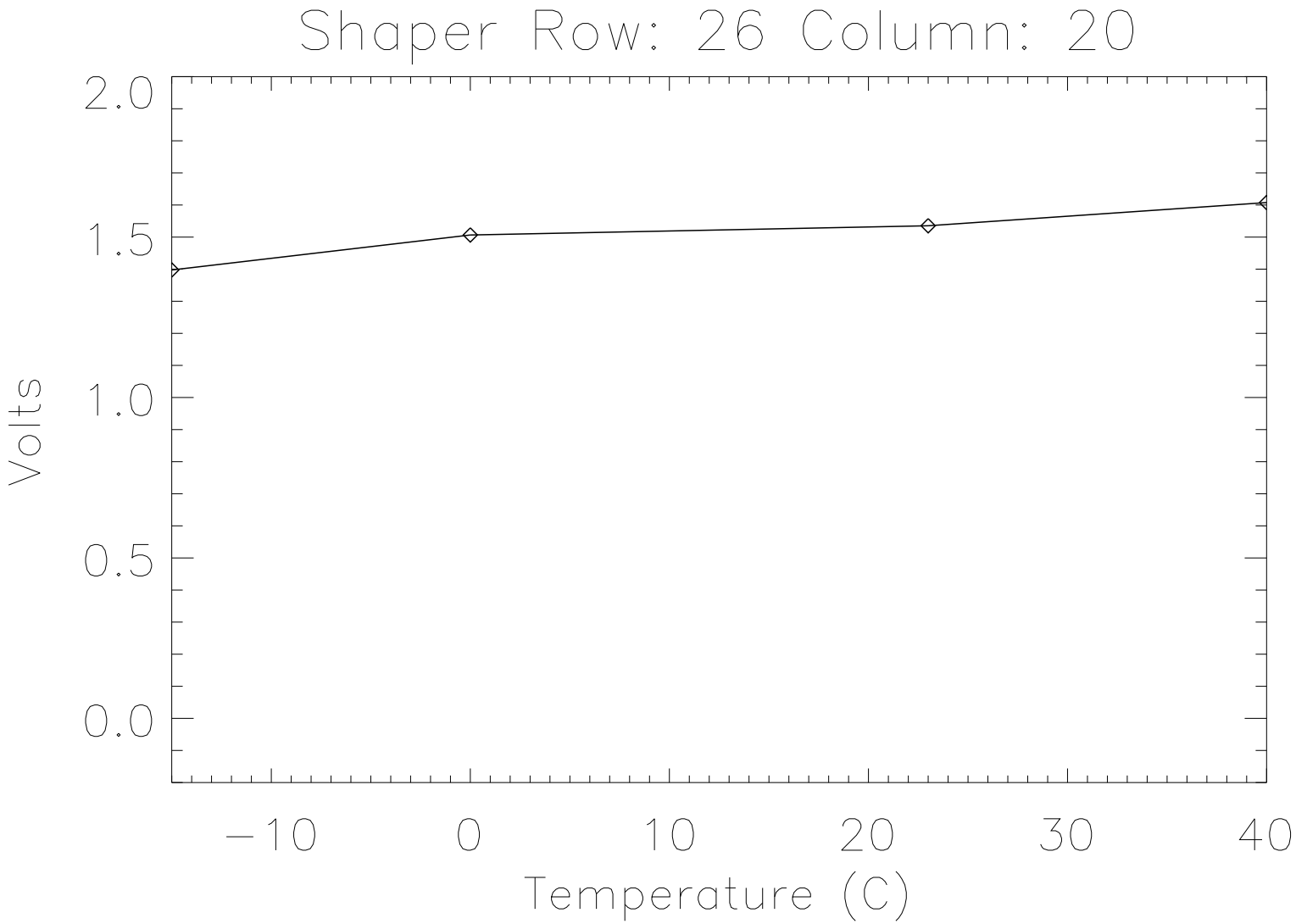
30
40
Temperature (C)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Volts
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30
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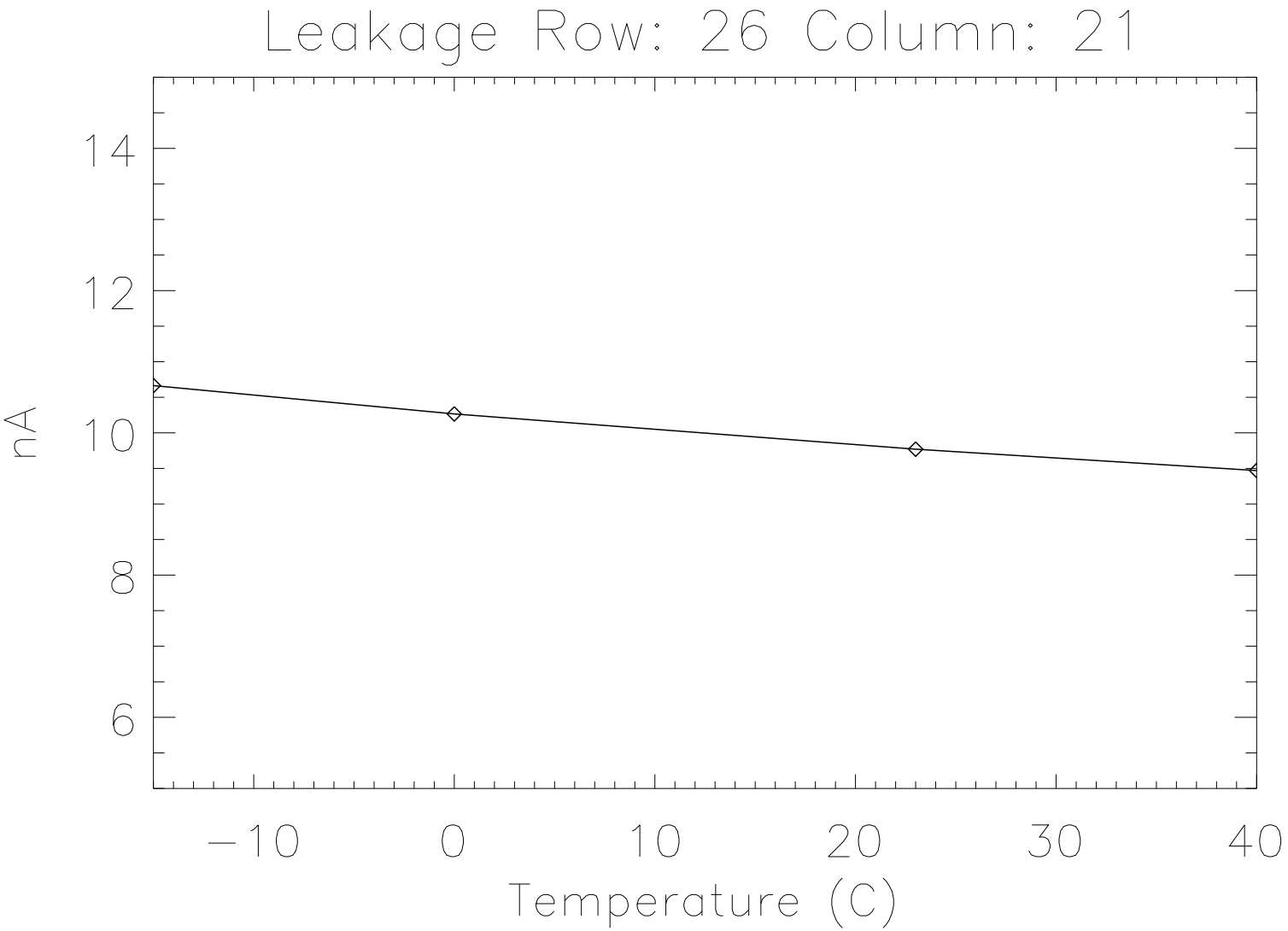
Temperature (C)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8
6
nA
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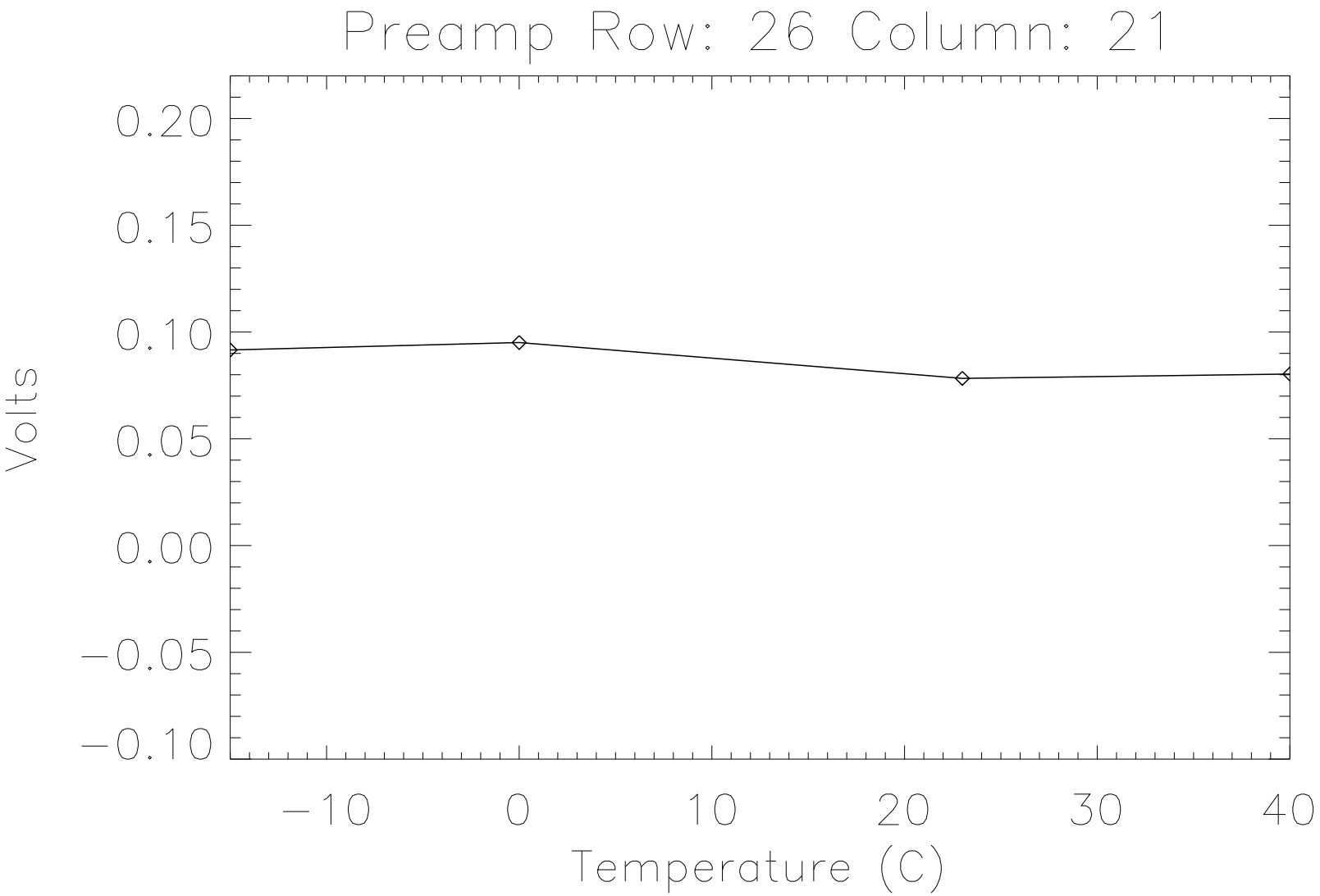
30
40
Temperature (C)


Preamp Row: 26 Column: 21
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Volts
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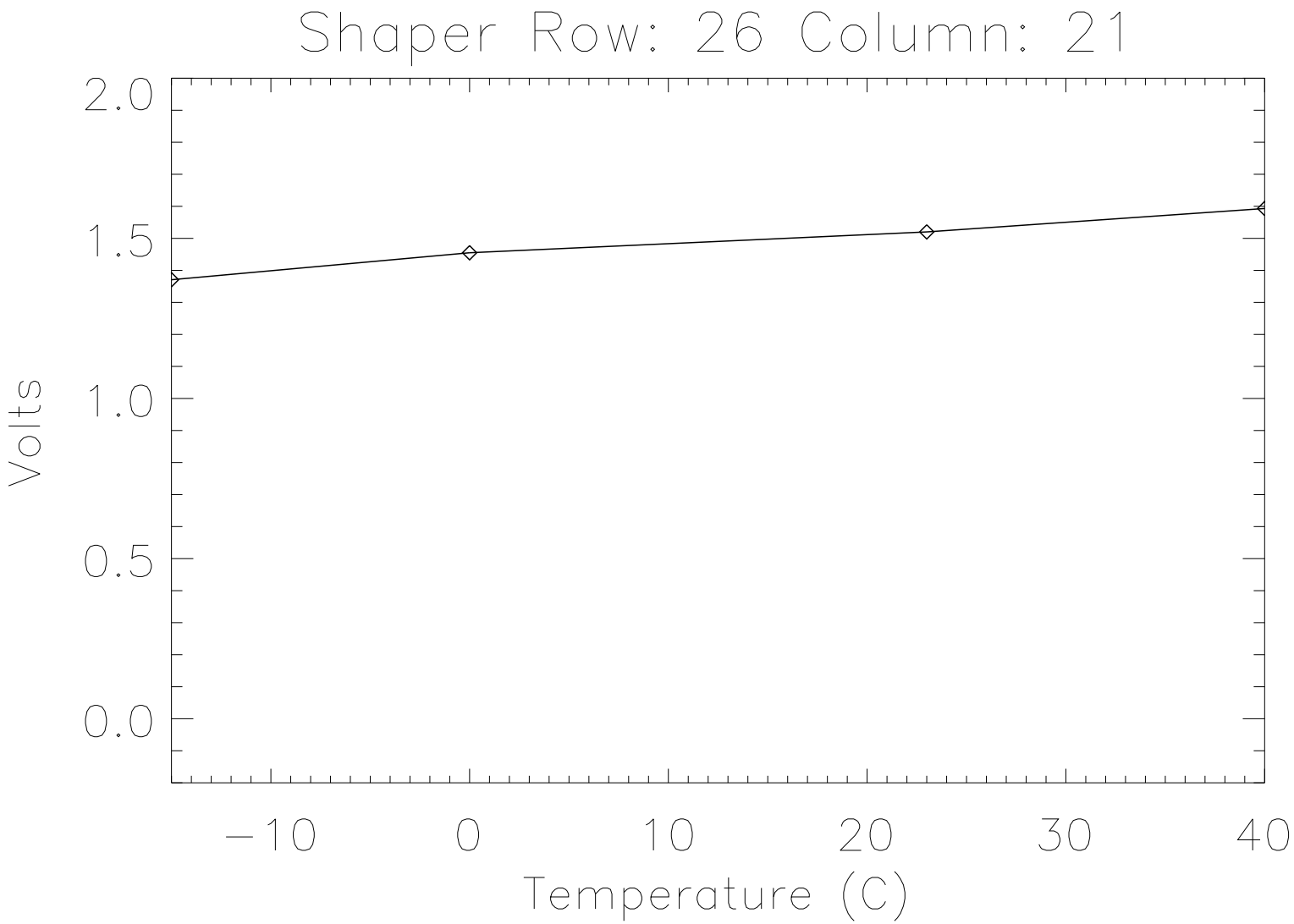
Temperature (C)


Shaper Row: 26 Column: 21
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Volts
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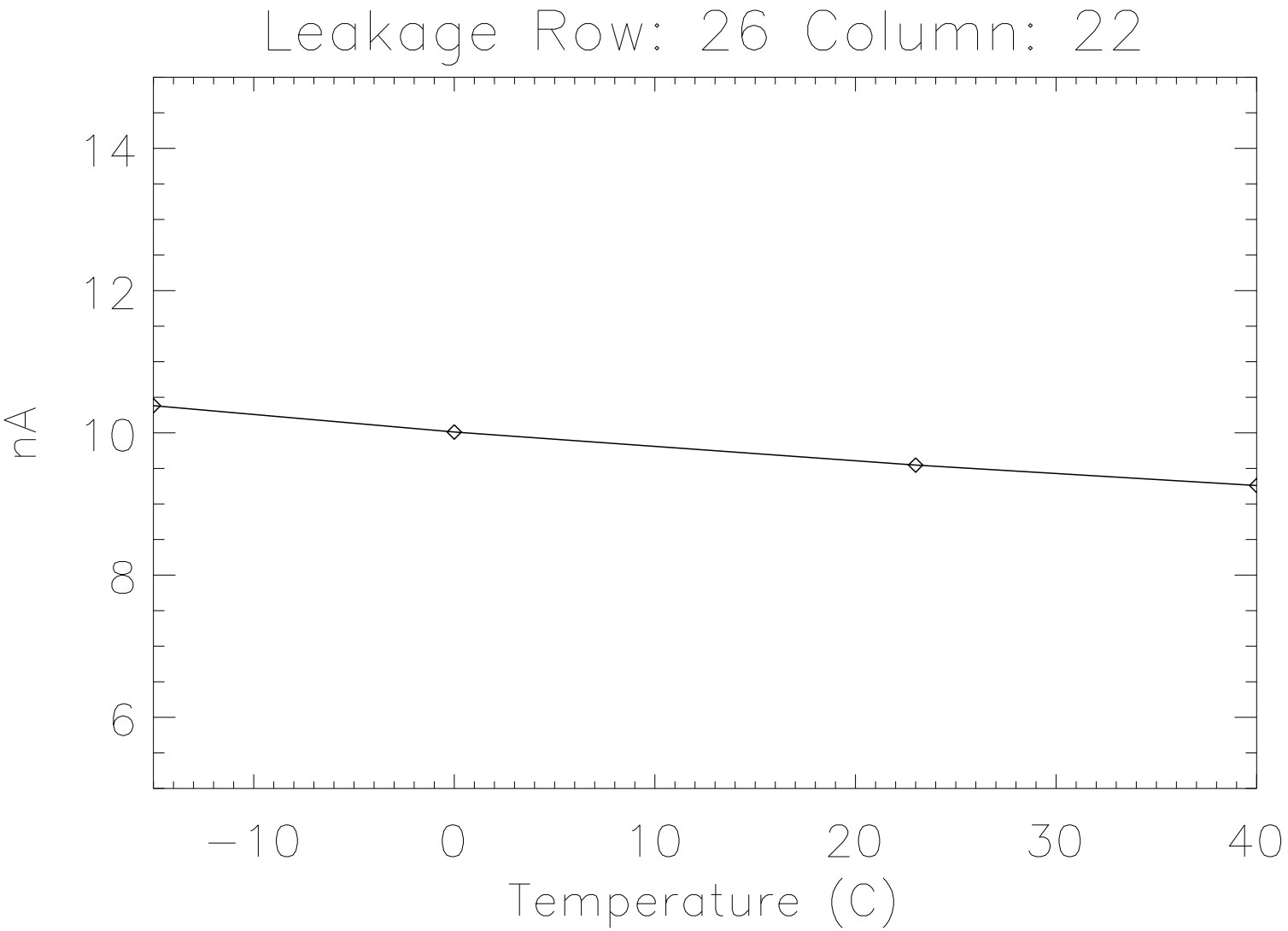
Temperature (C)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nA
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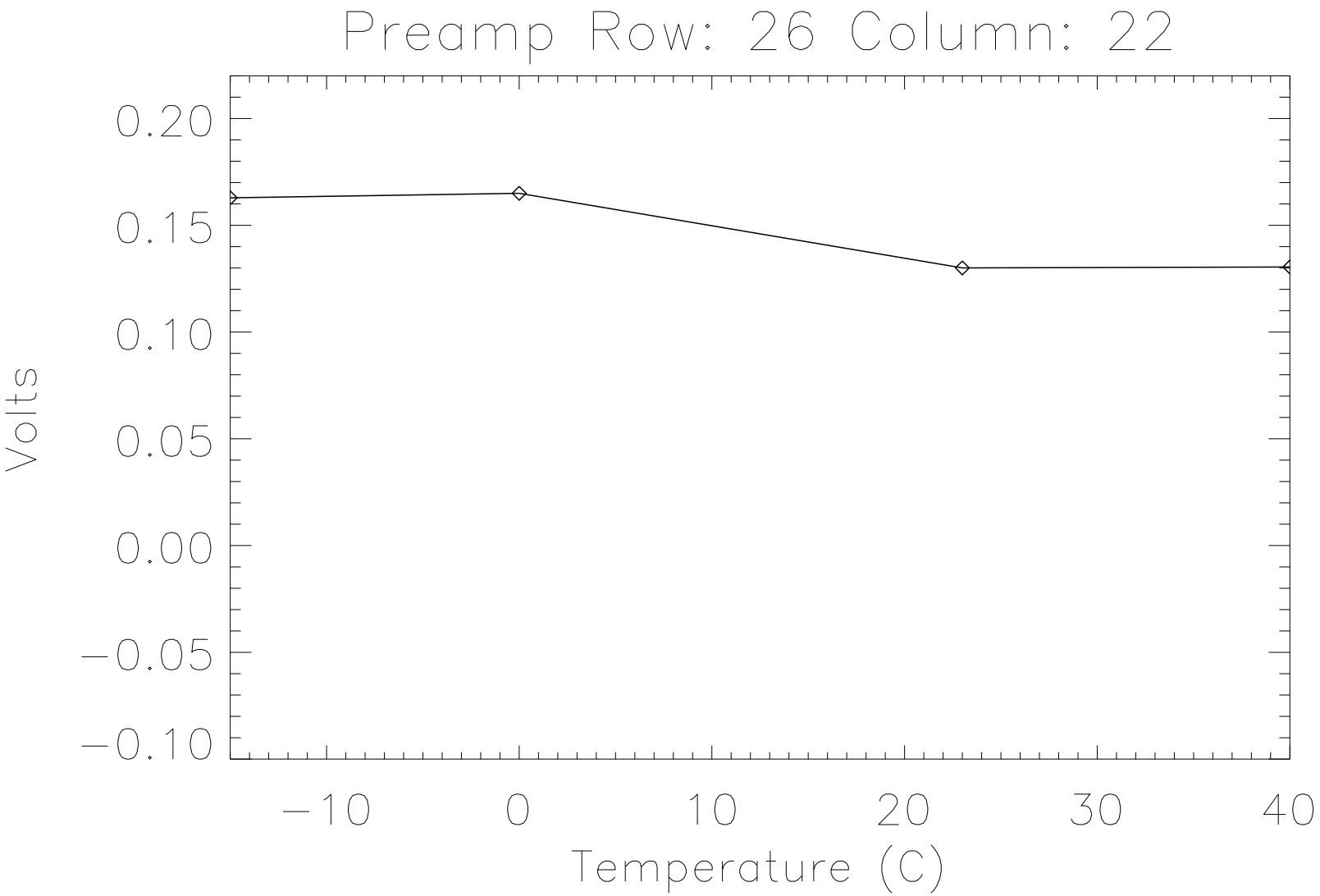
20
30
40
Temperature (C)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0.10
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Volts
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30
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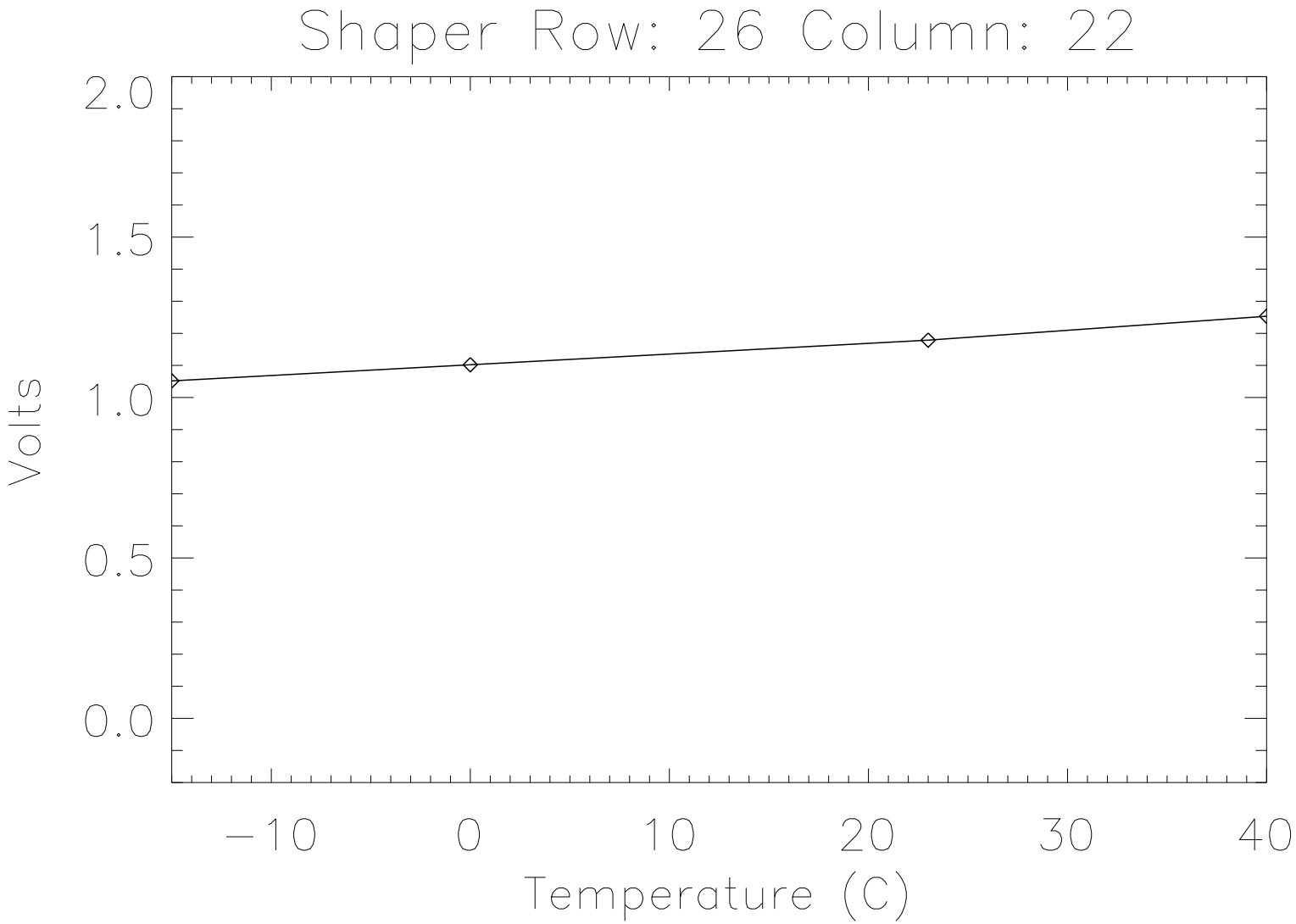
Temperature (C)


Shaper Row: 26 Column: 22
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1.0
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Volts
−10
0
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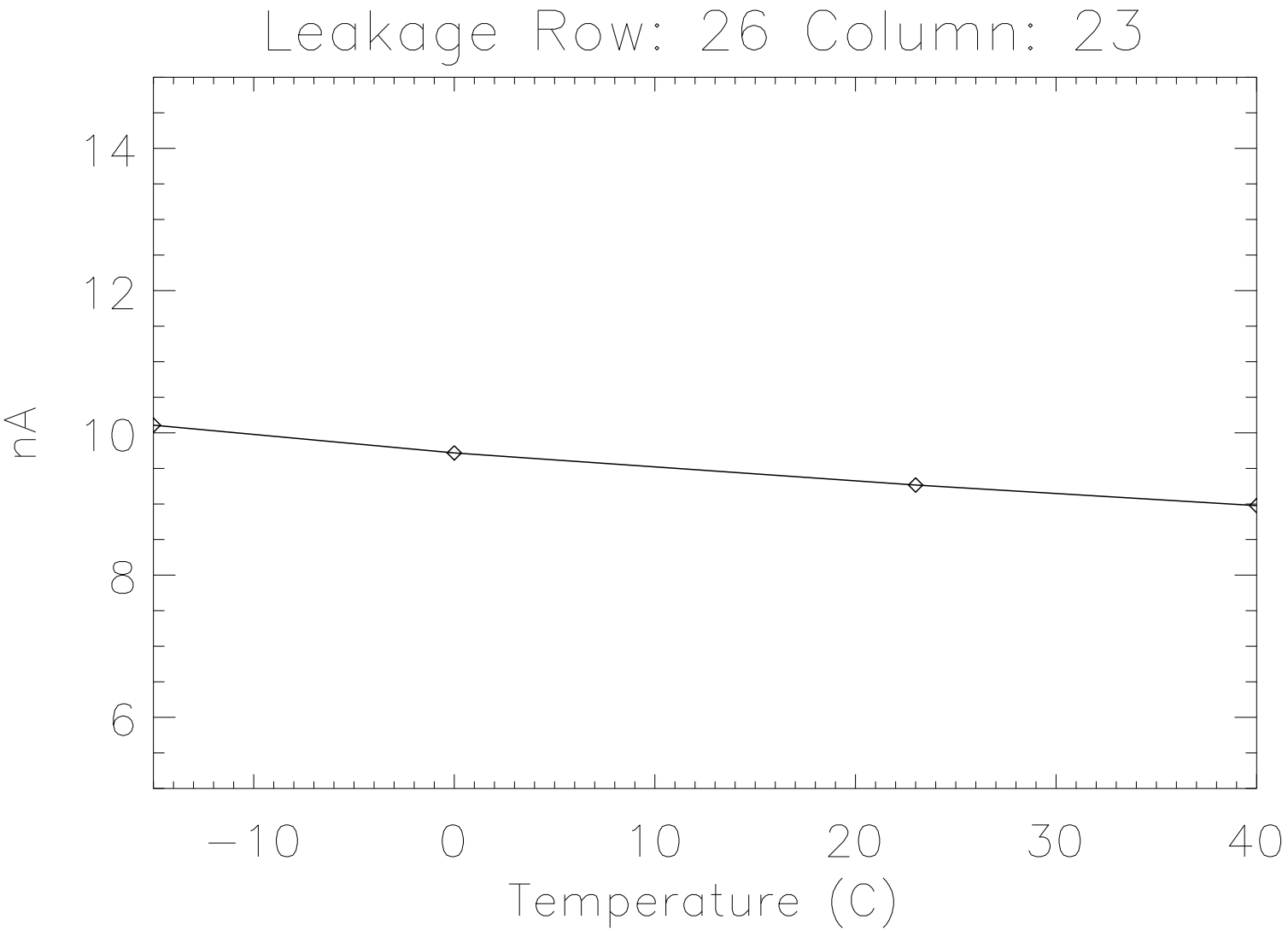
30
40
Temperature (C)


Leakage Row: 26 Column: 23
nA
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−10
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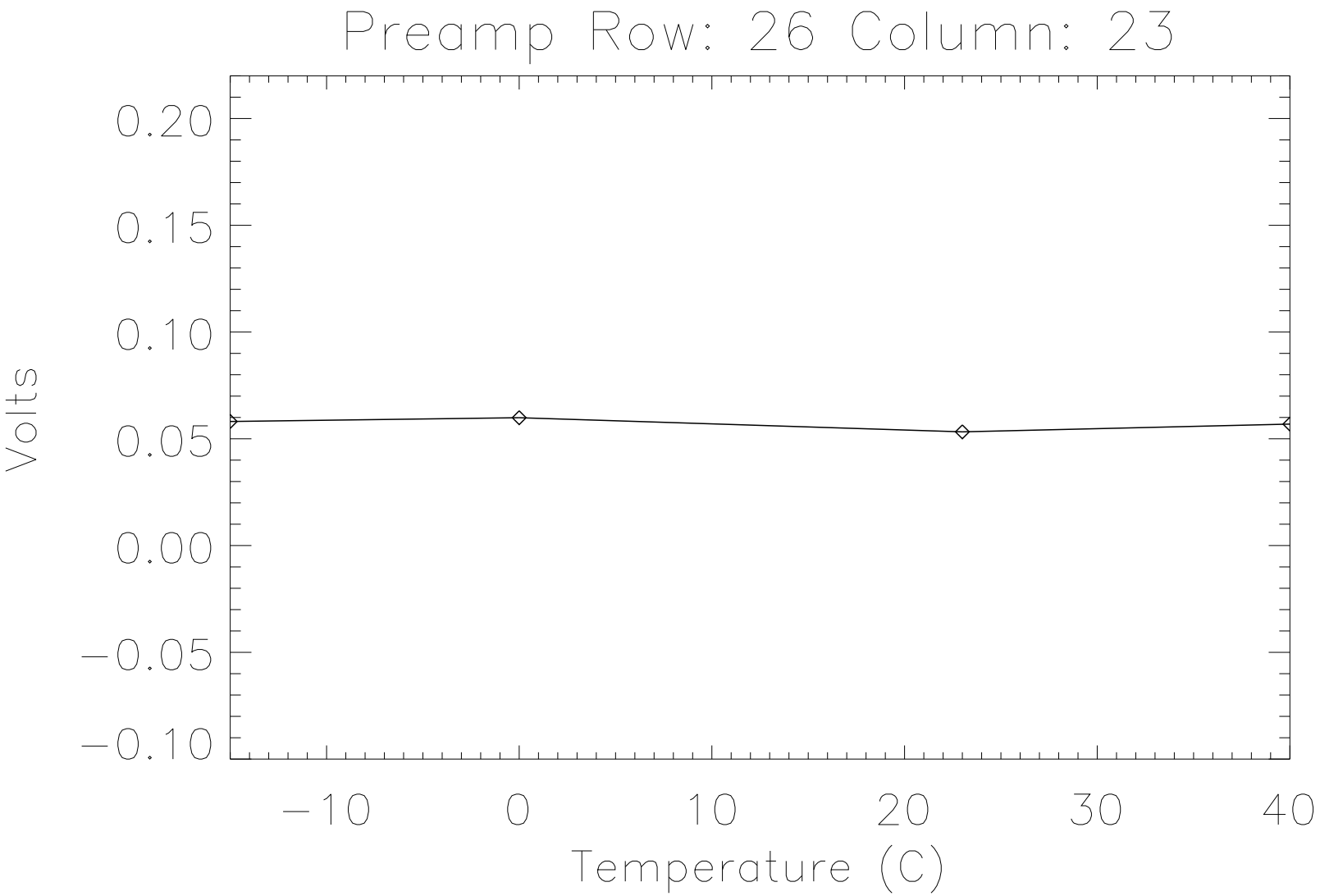
40
Temperature (C)


Preamp Row: 26 Column: 23
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Volts
−10
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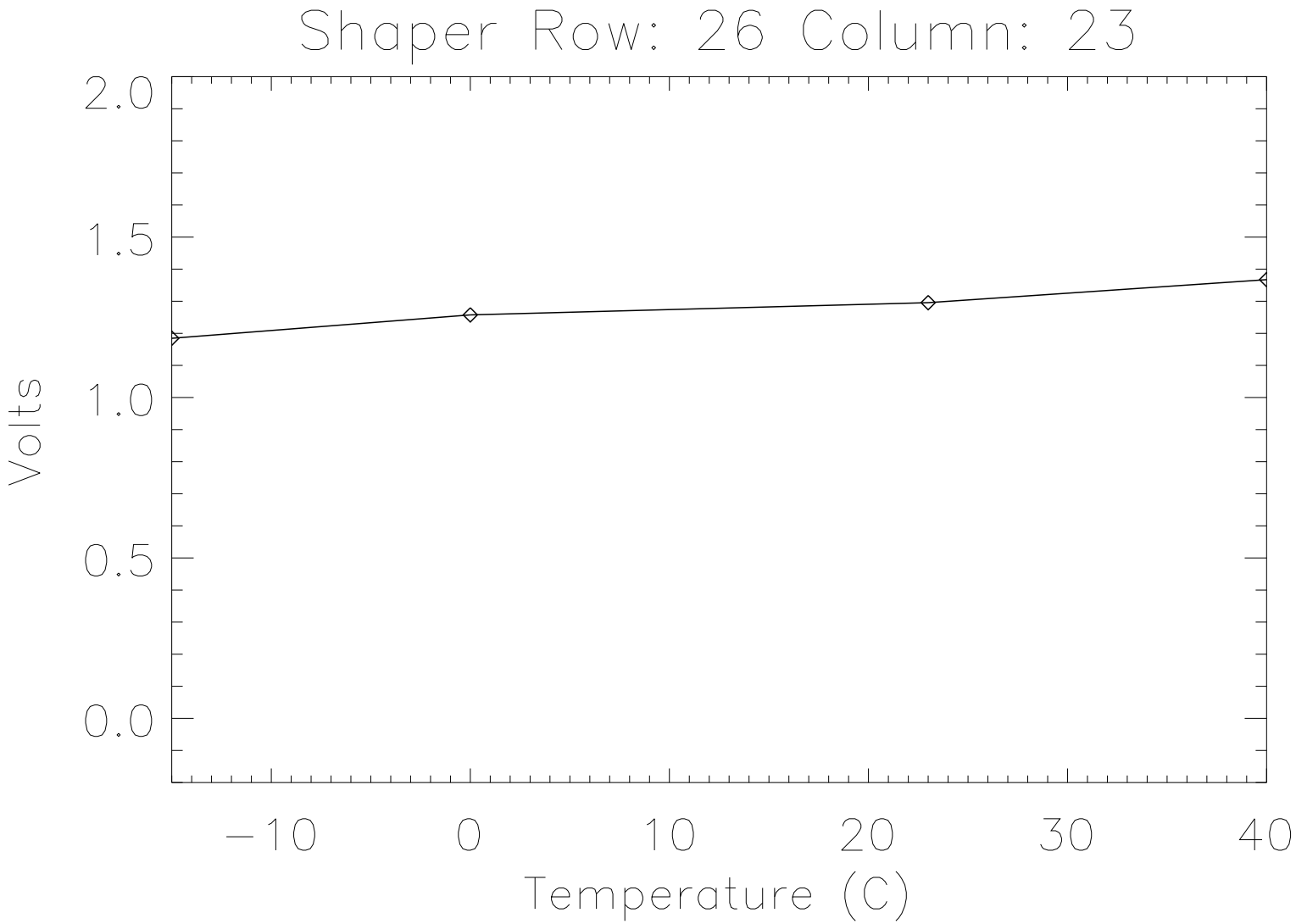
Temperature (C)


Shaper Row: 26 Column: 23
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1.5
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Volts
−10
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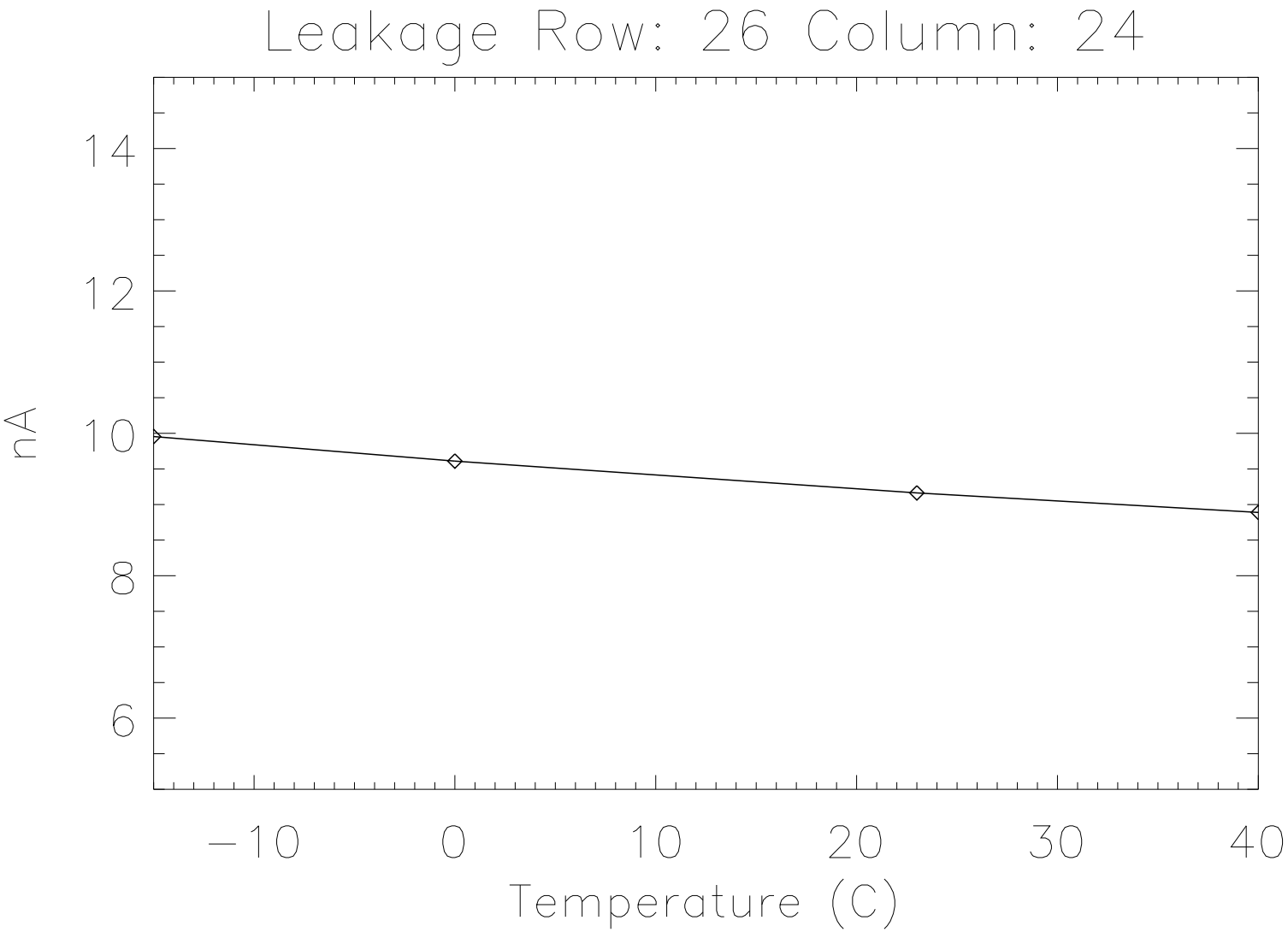
Temperature (C)


Leakage Row: 26 Column: 24
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8
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nA
−10
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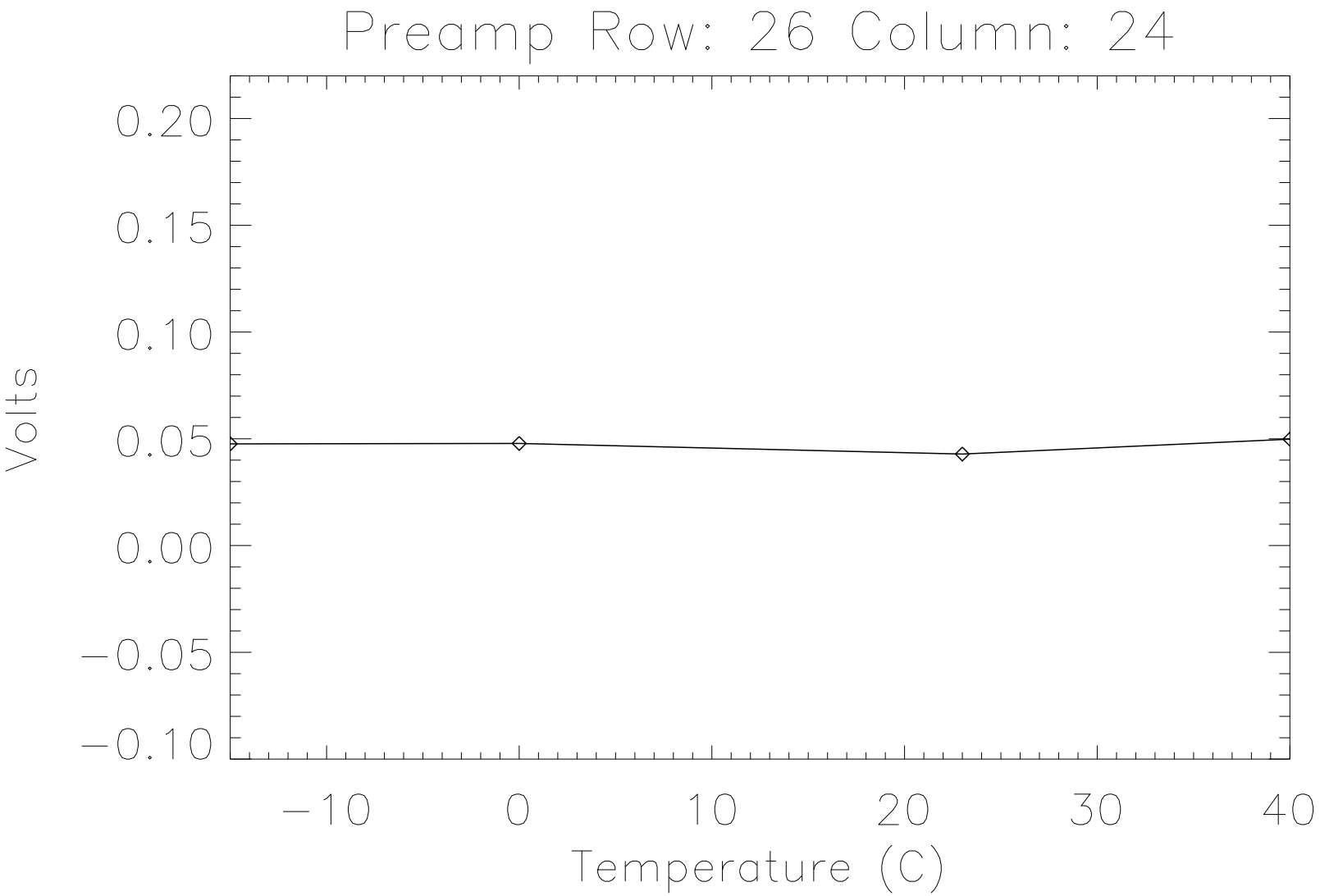
30
40
Temperature (C)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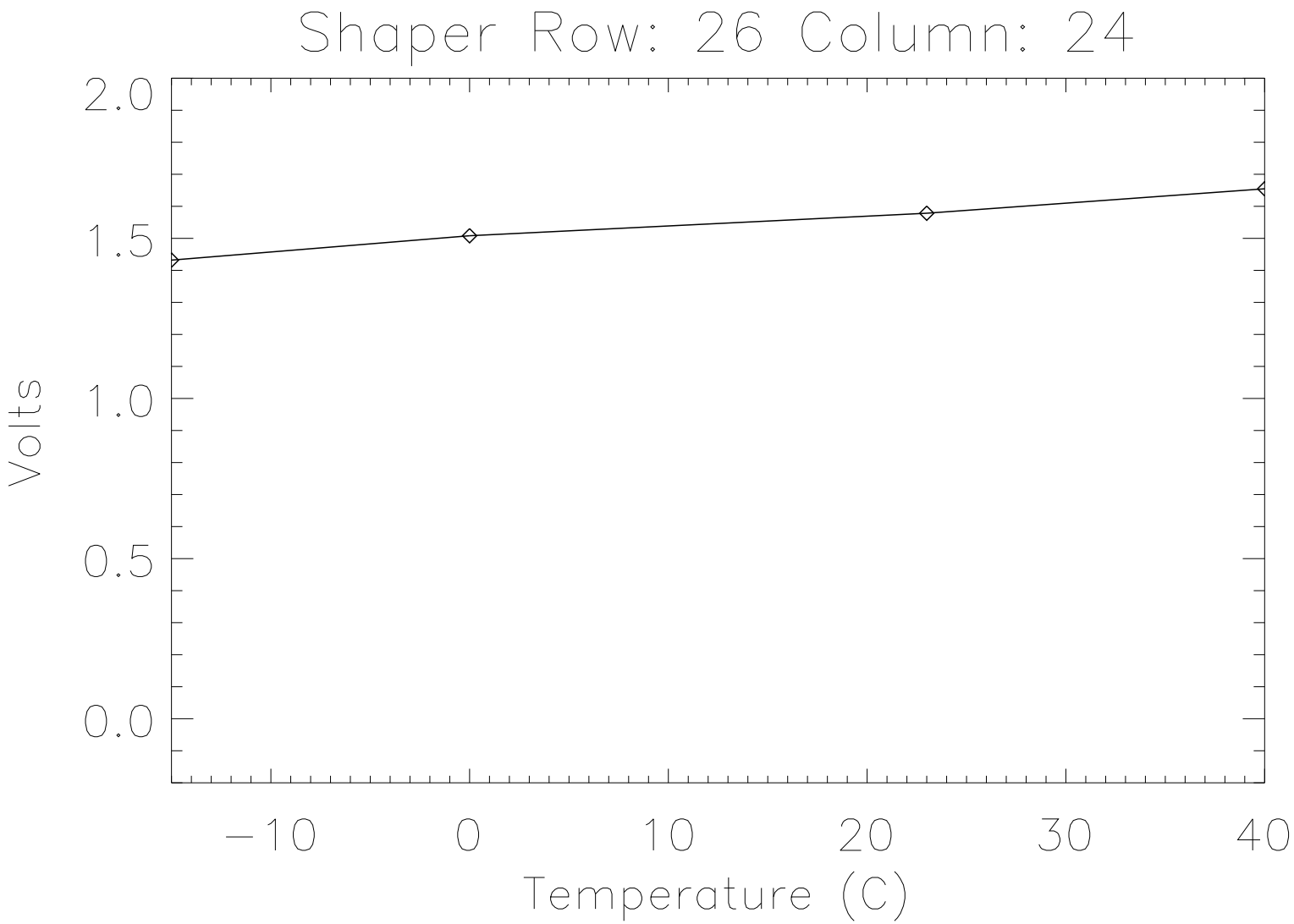
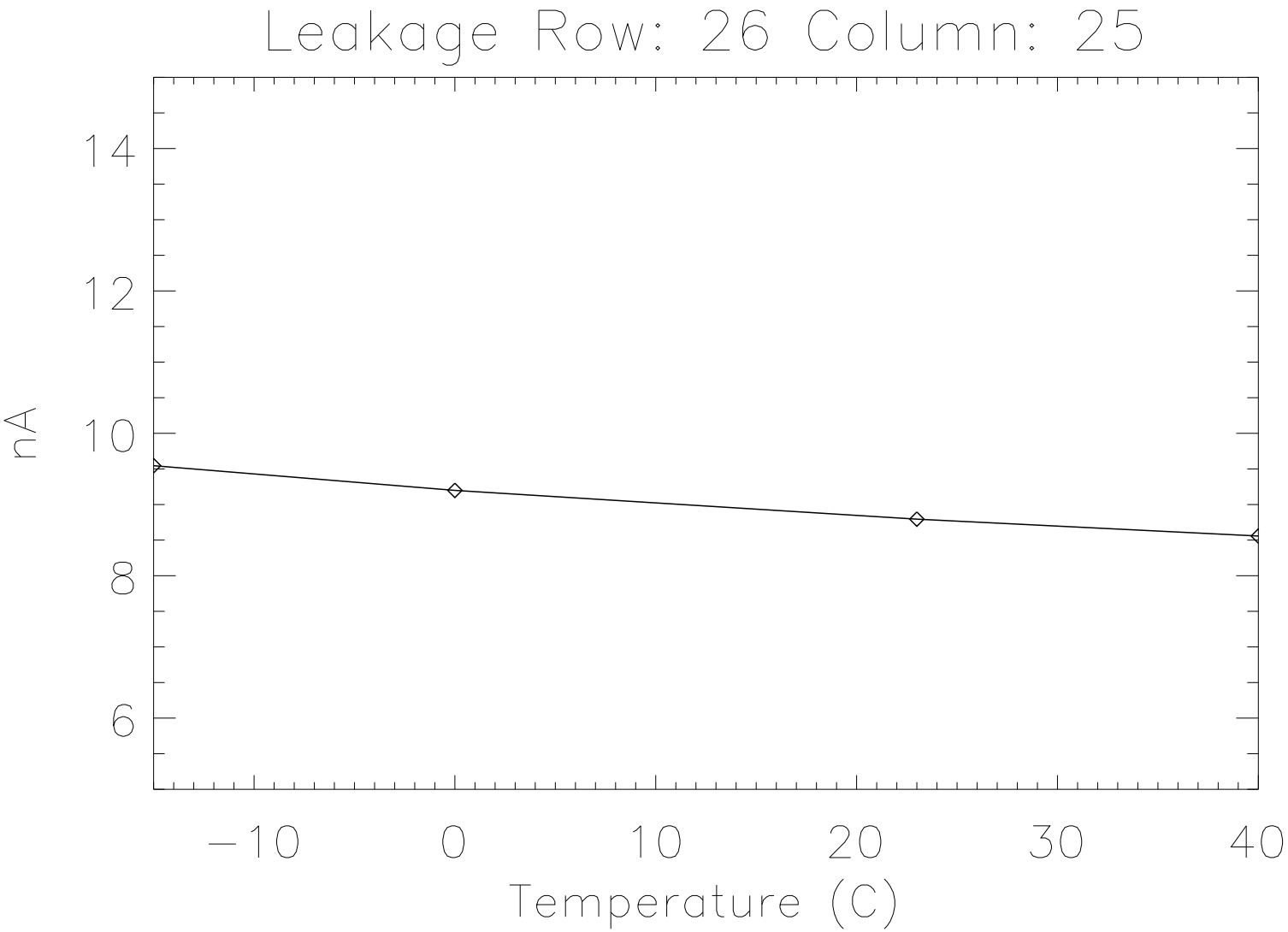
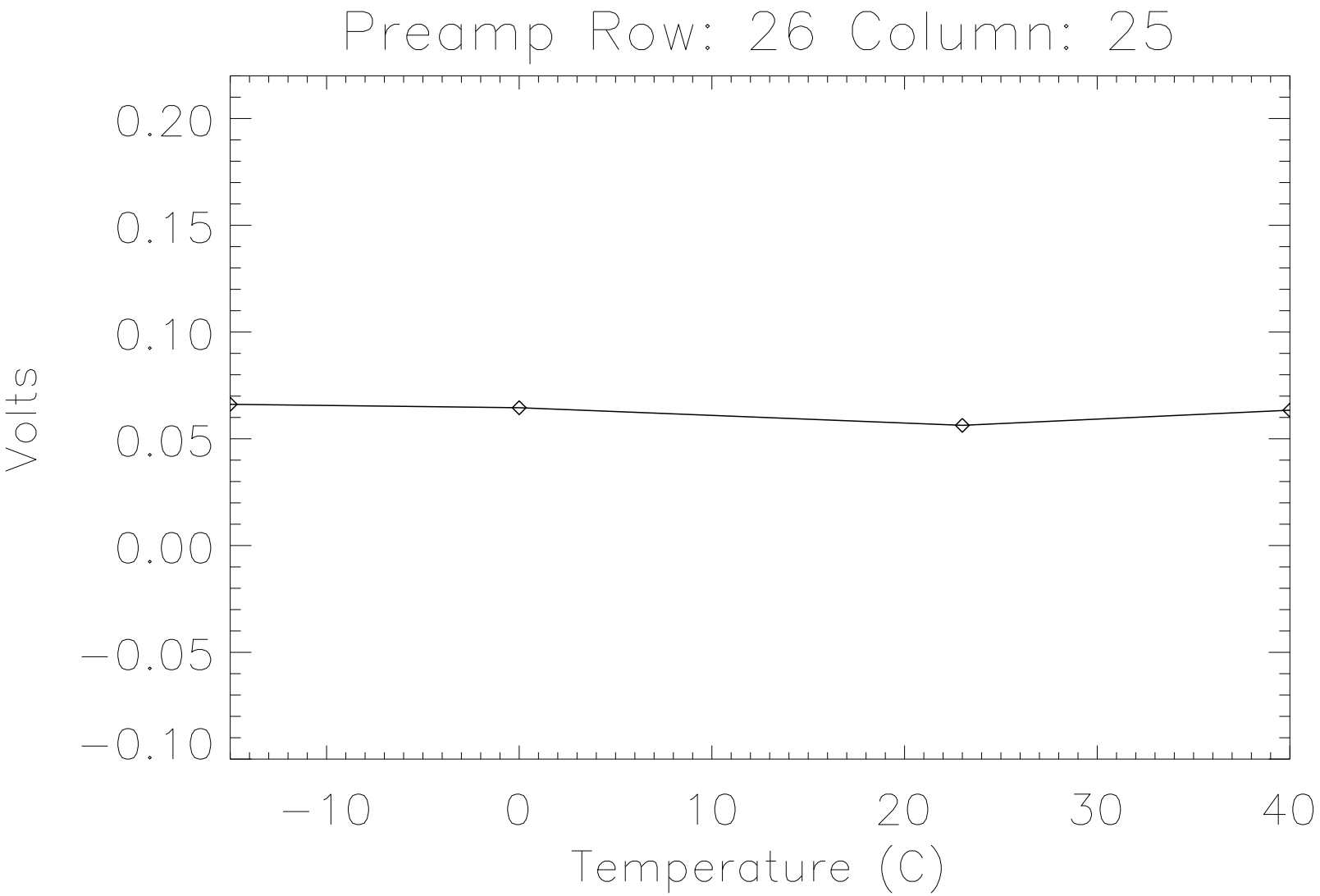
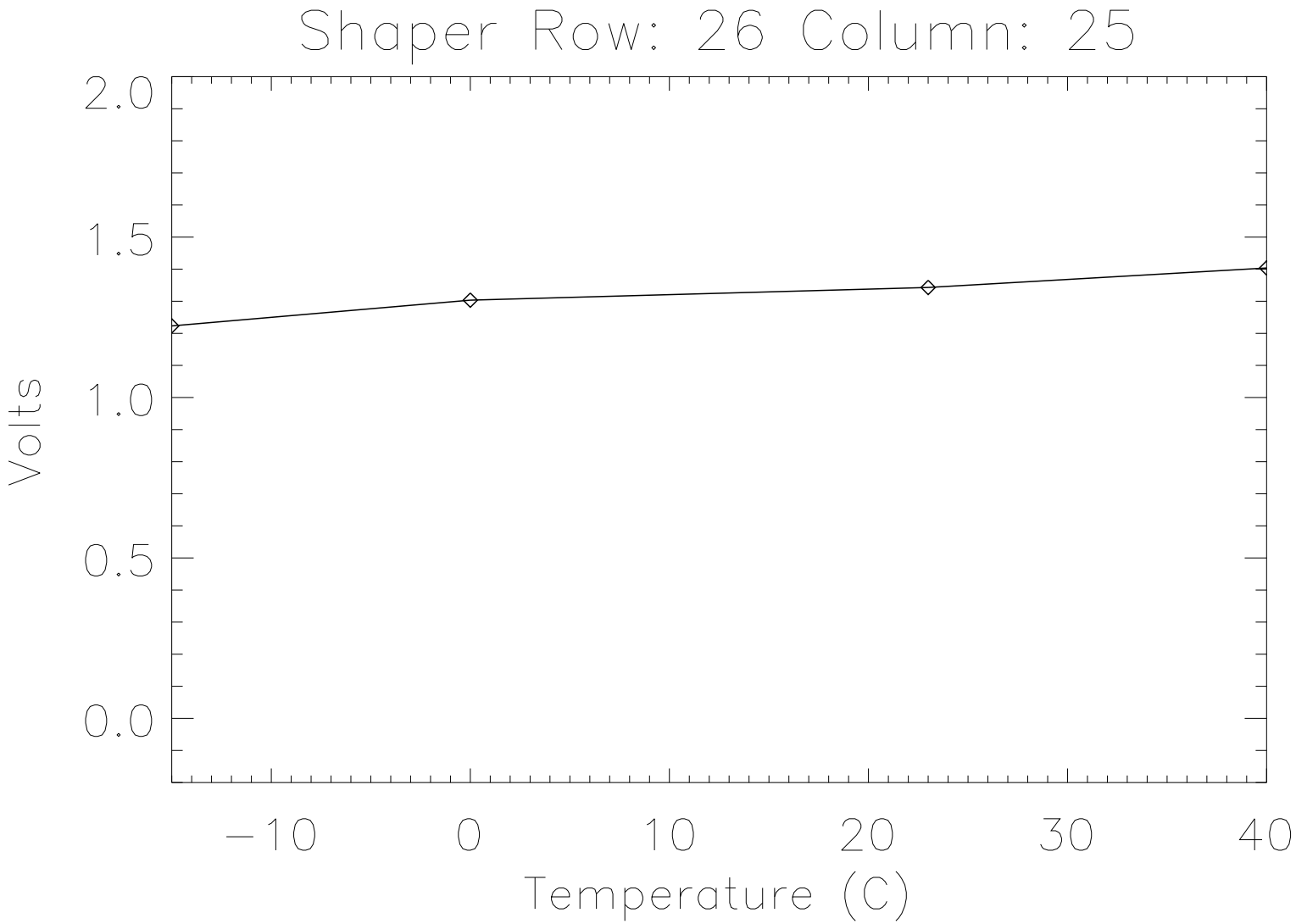
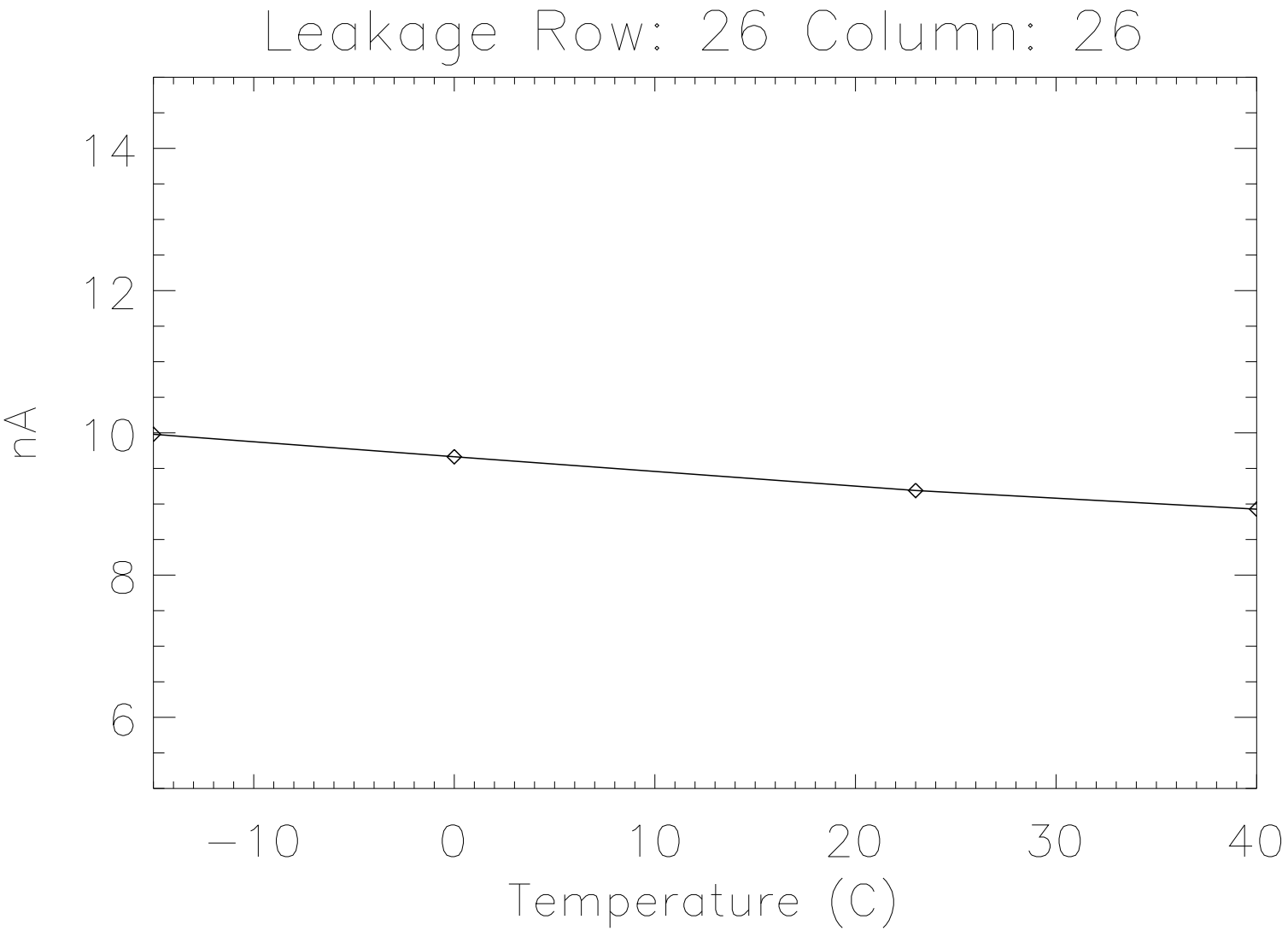
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 26 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 26 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 26 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 26 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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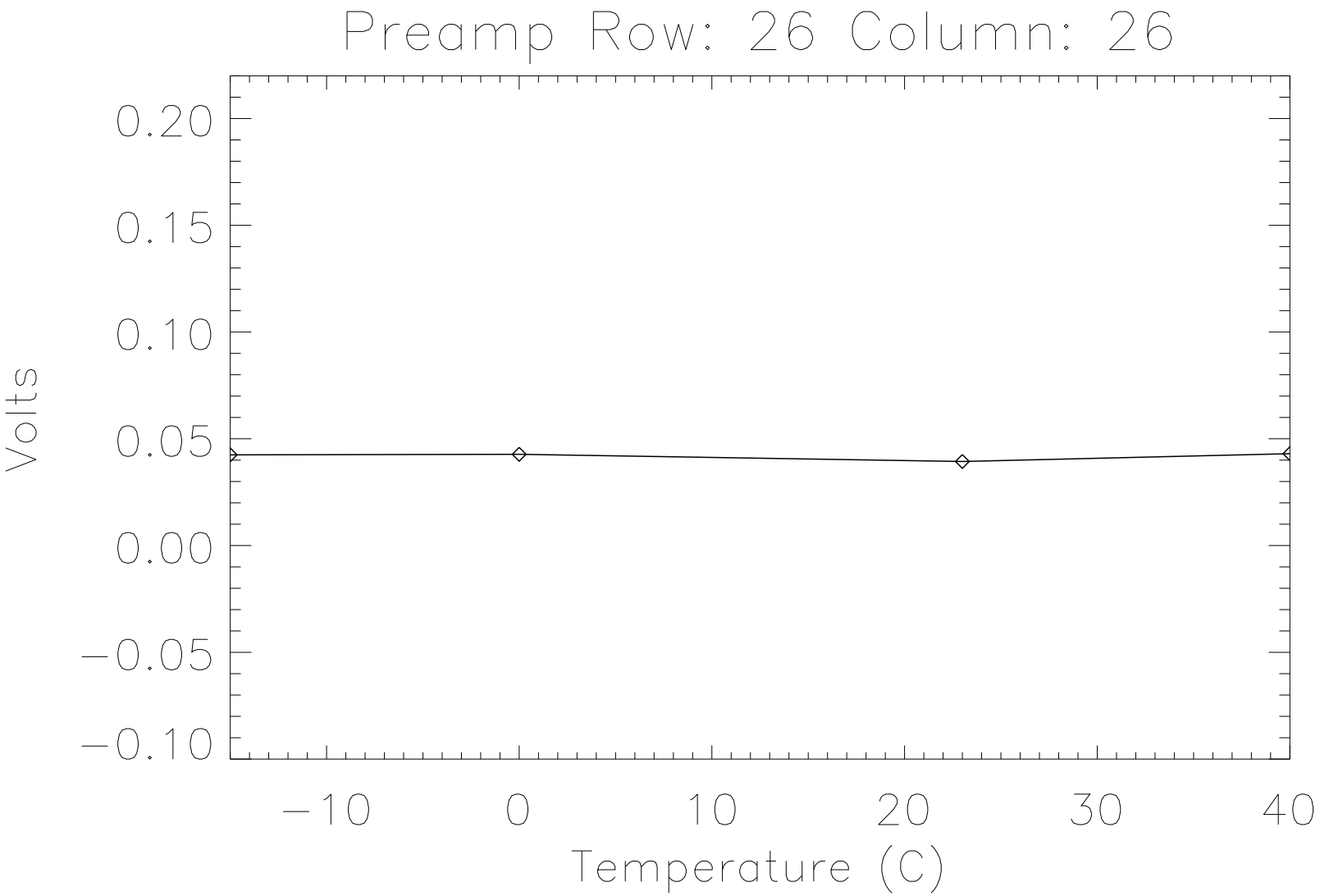
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)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0.00
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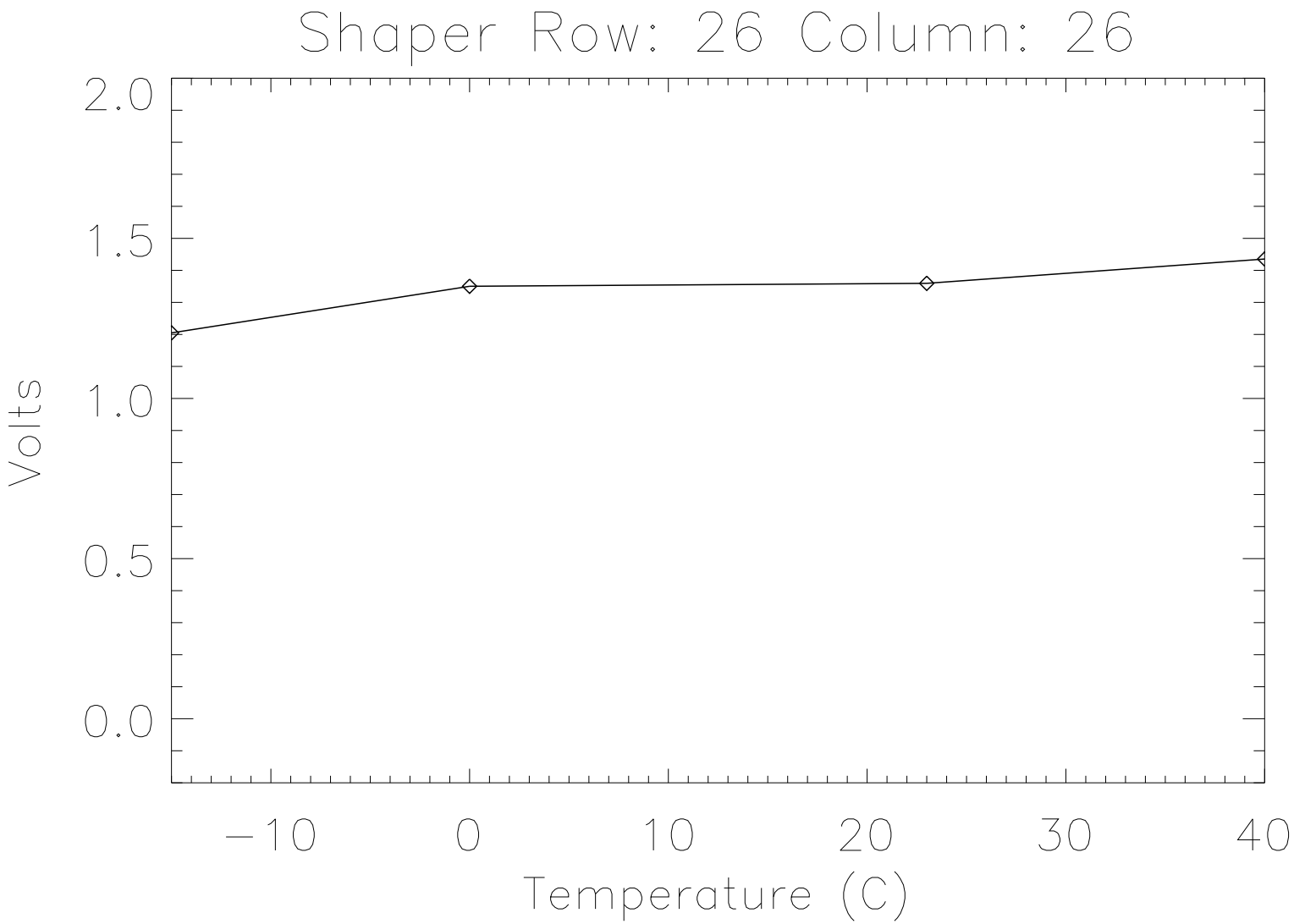
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)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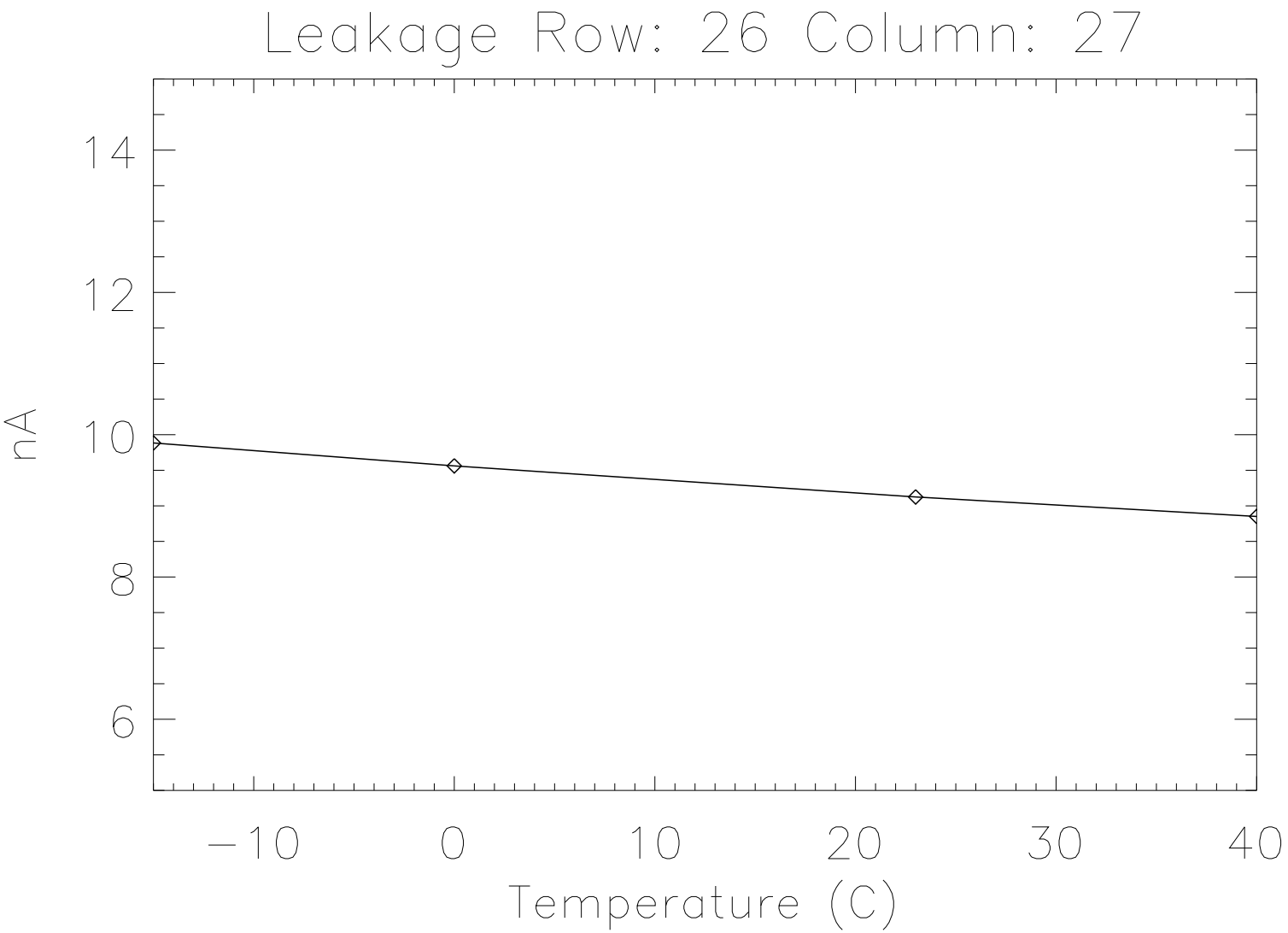
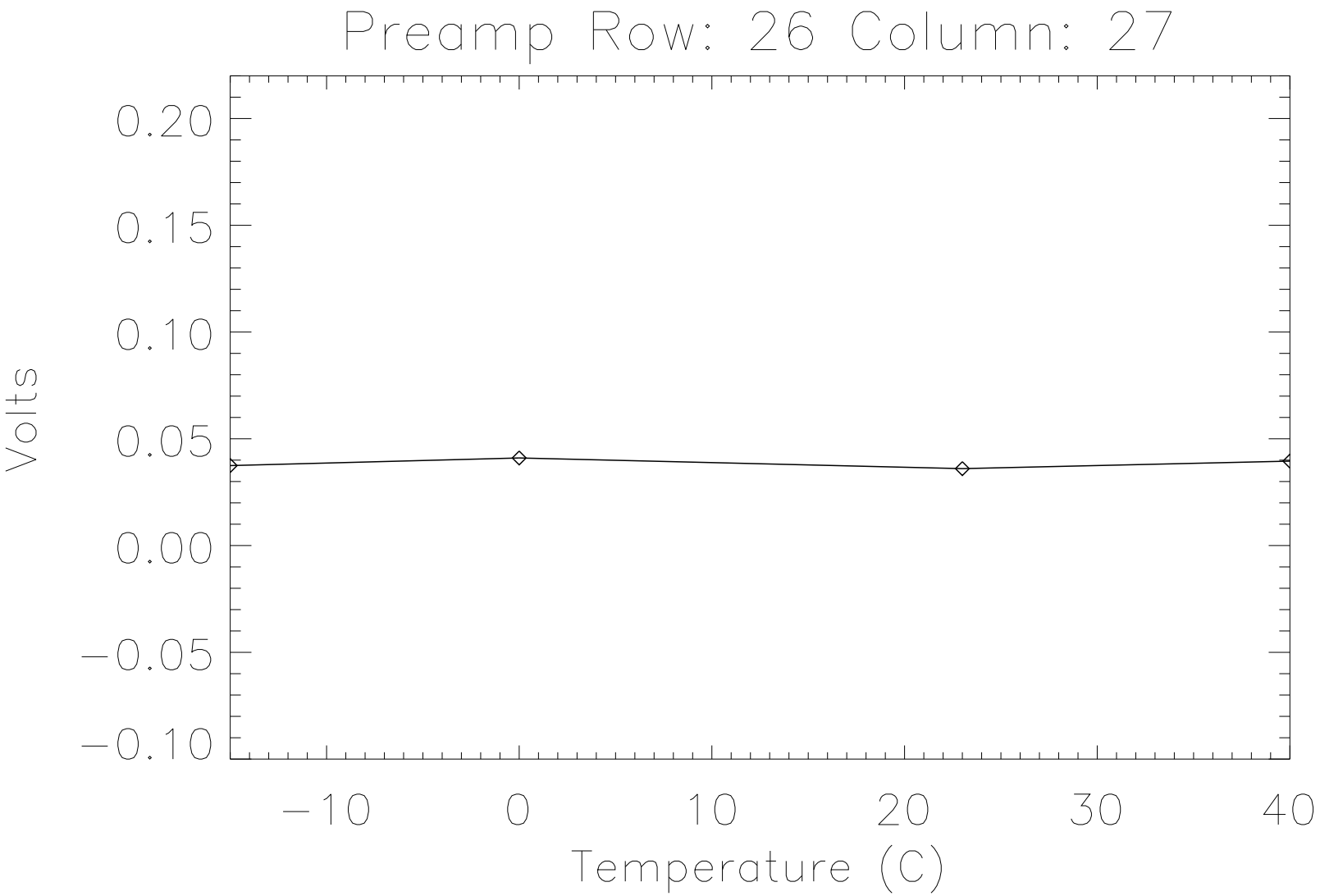
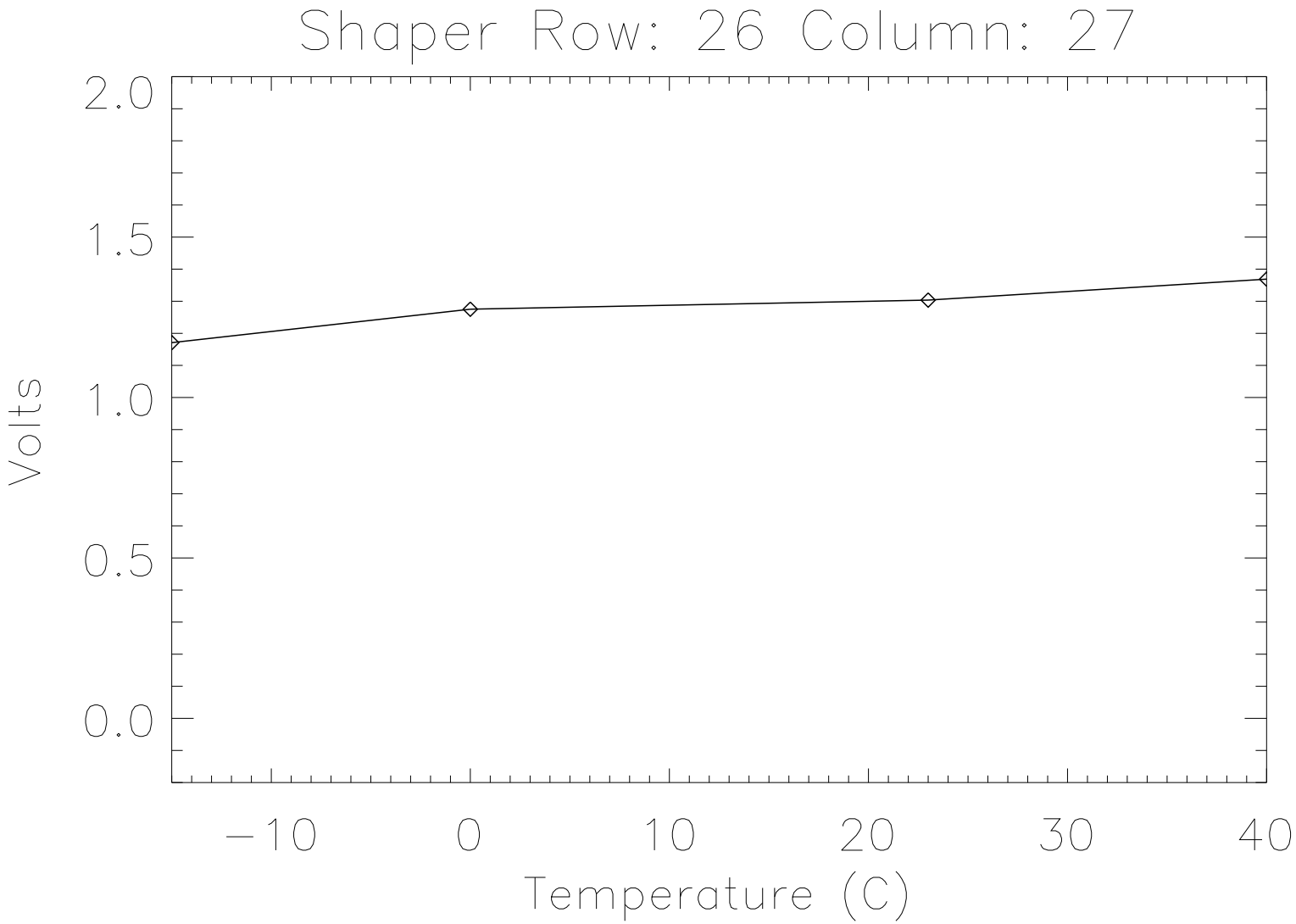
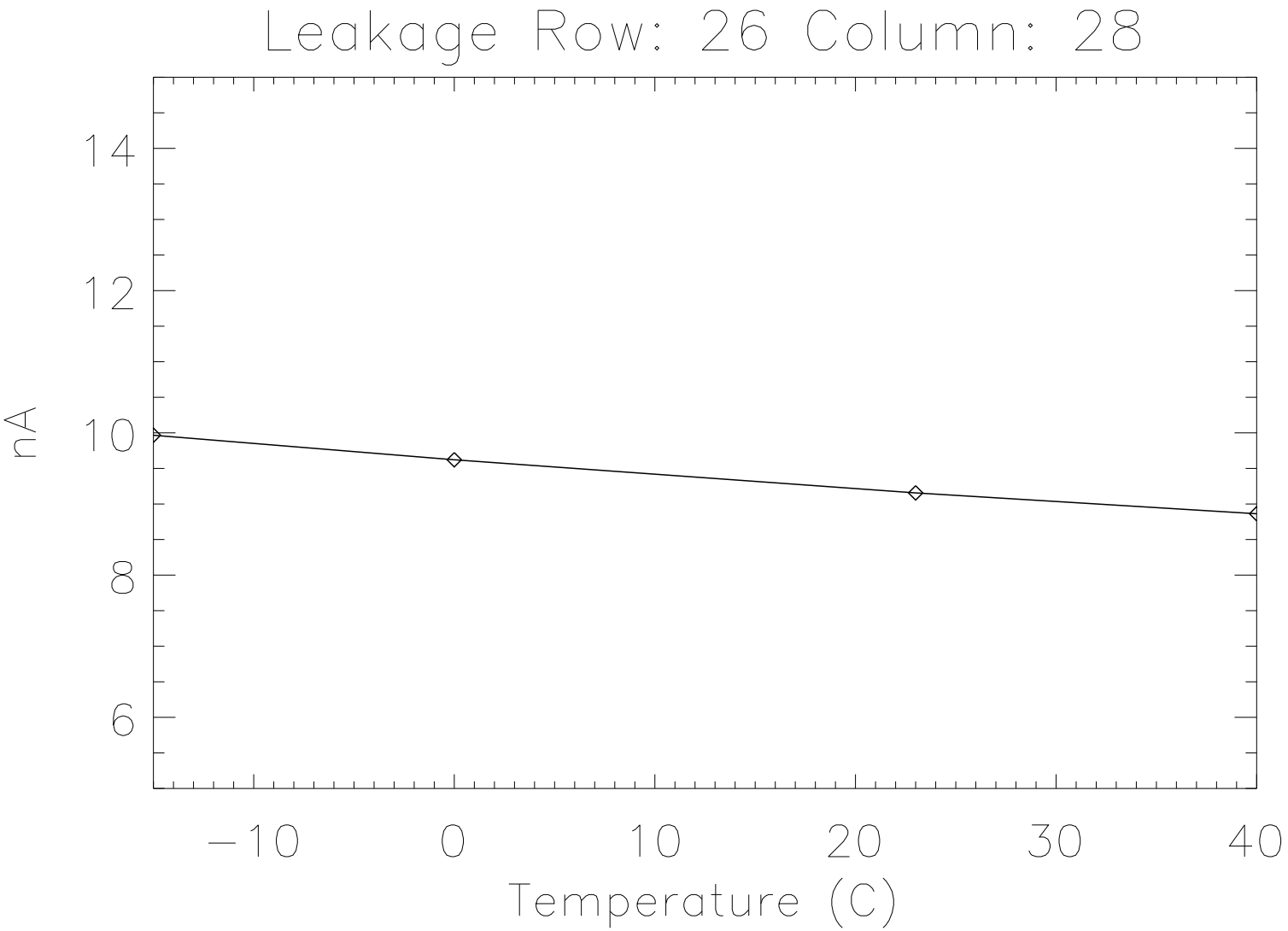
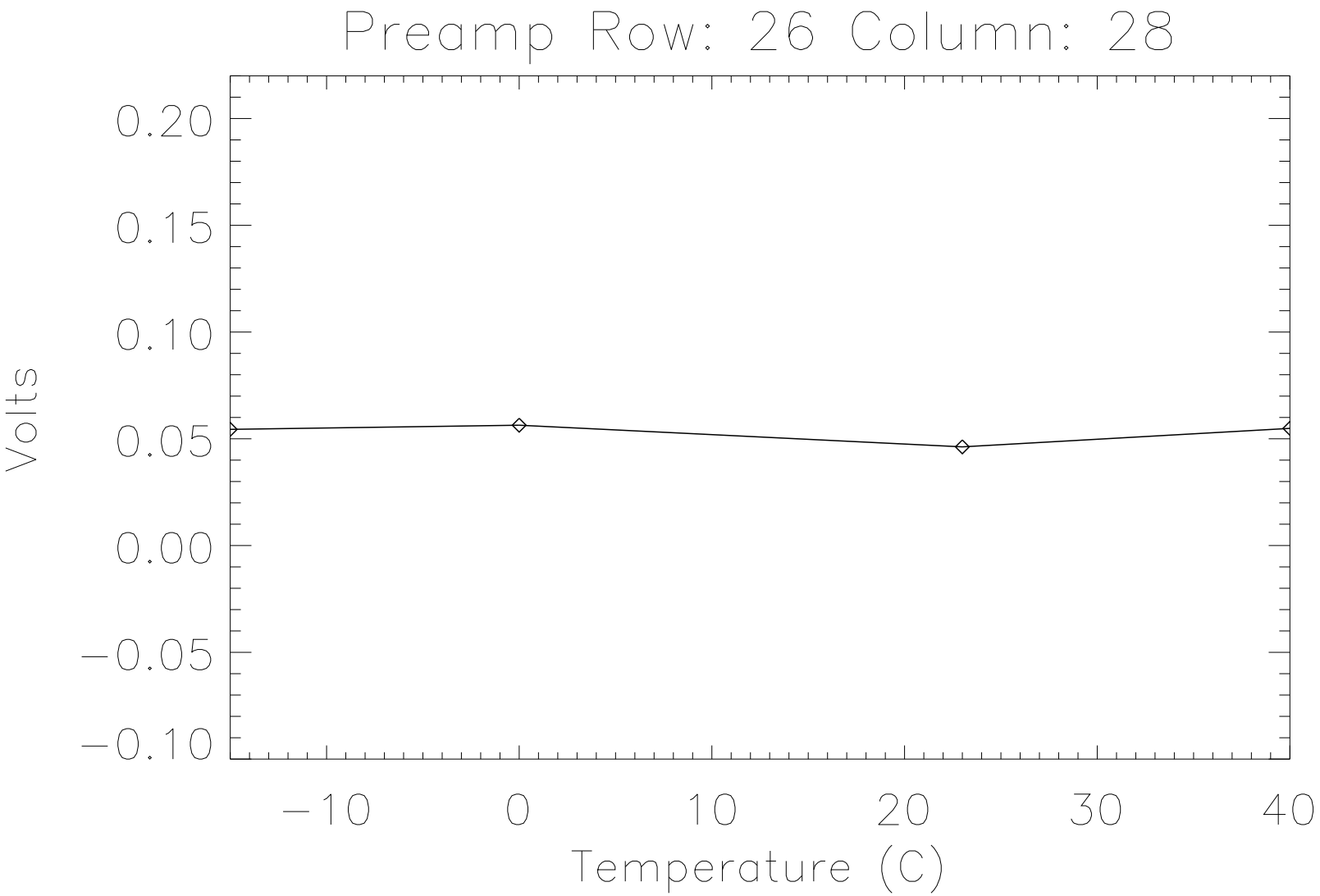
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

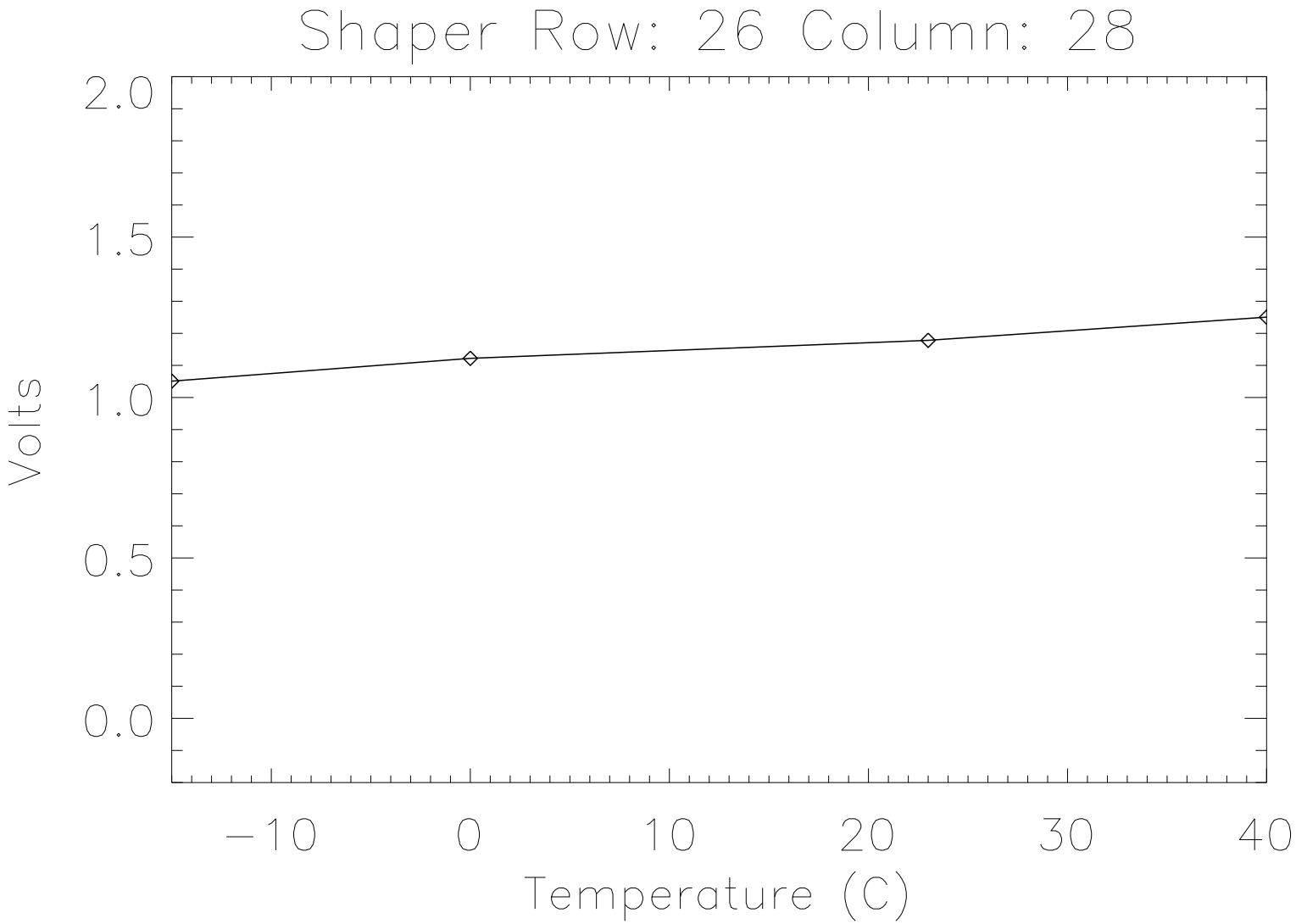

Leakage Row: 26 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

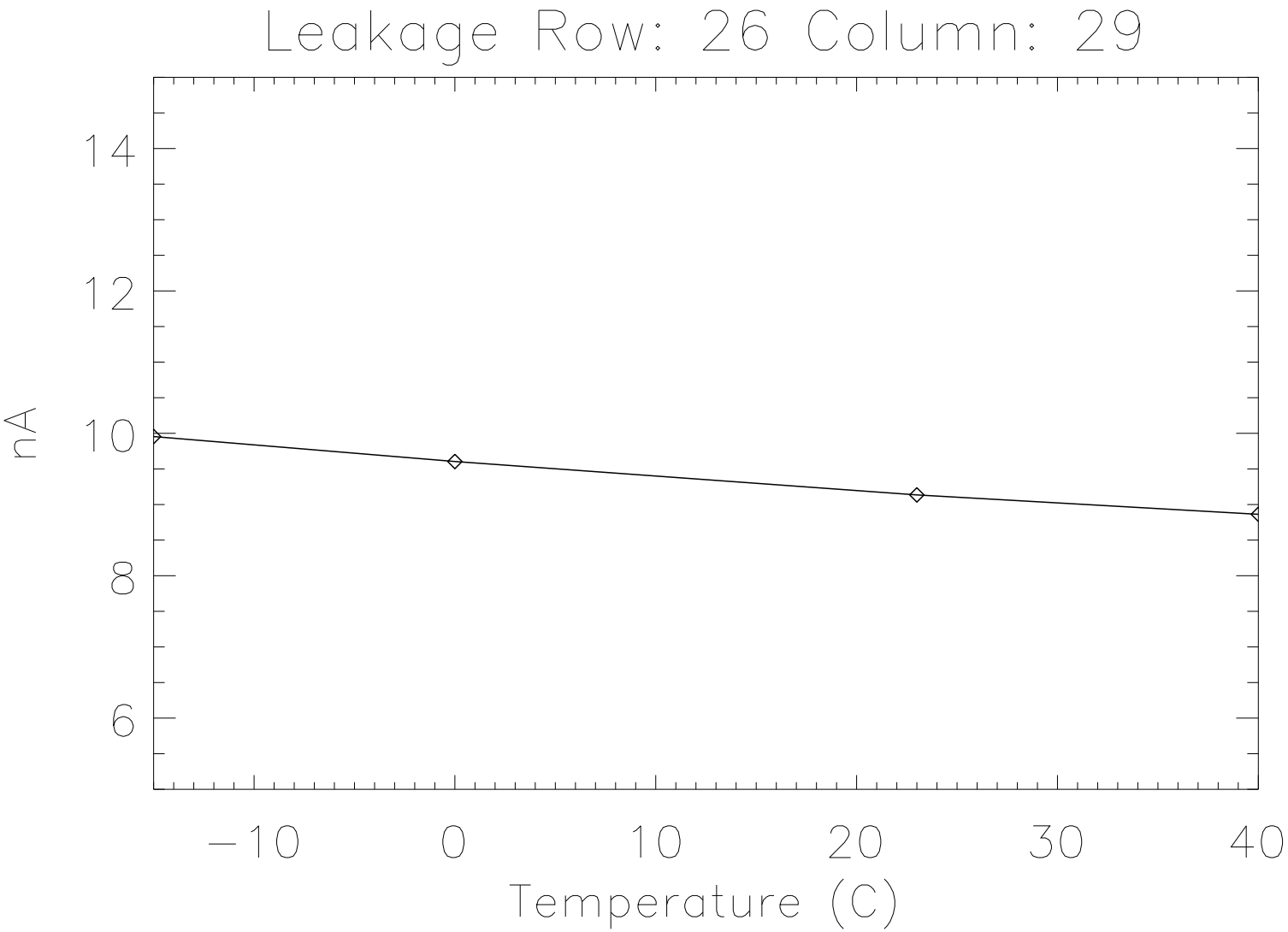

Preamp Row: 26 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

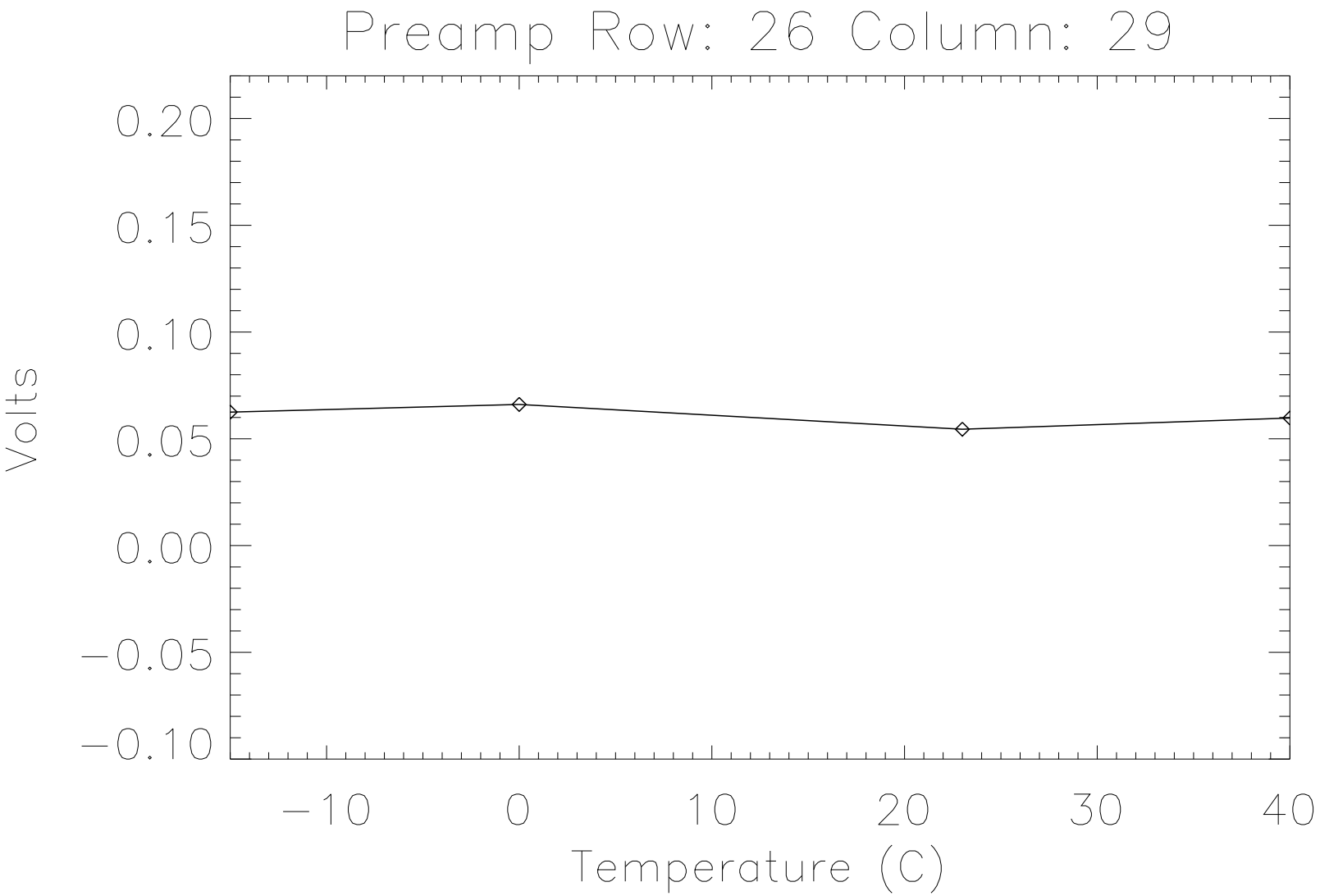

Shaper Row: 26 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

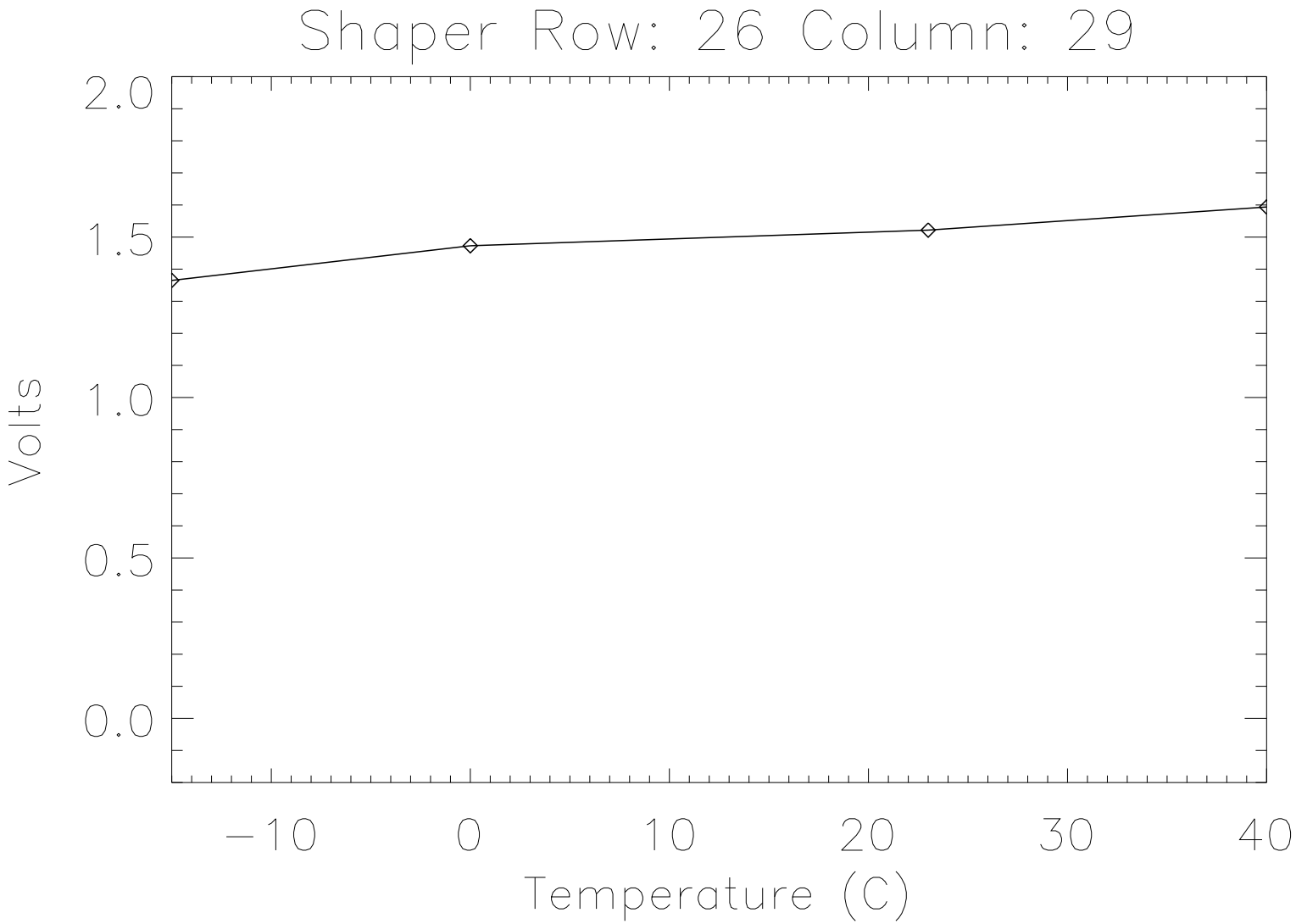

Leakage Row: 26 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

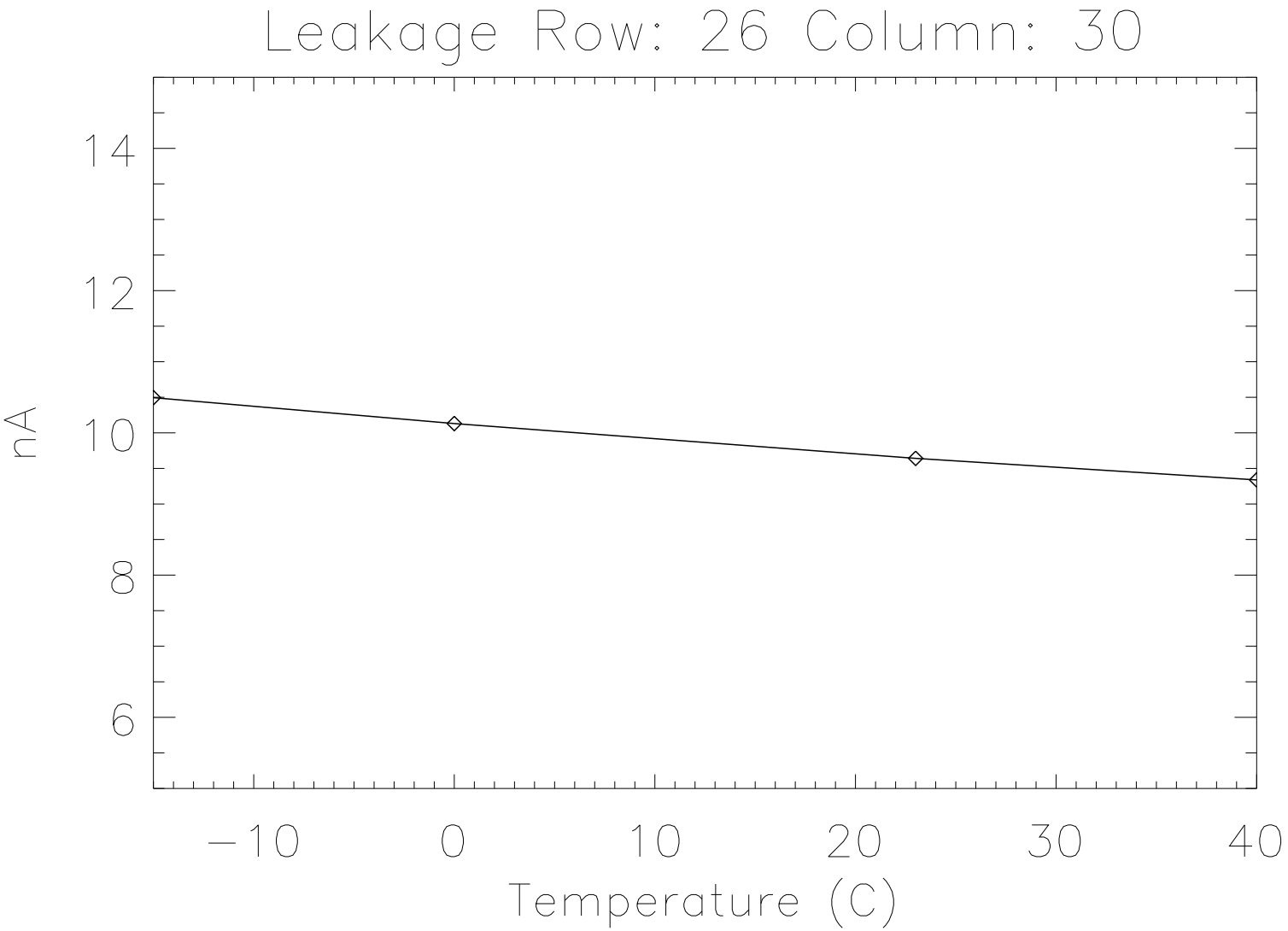

Preamp Row: 26 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

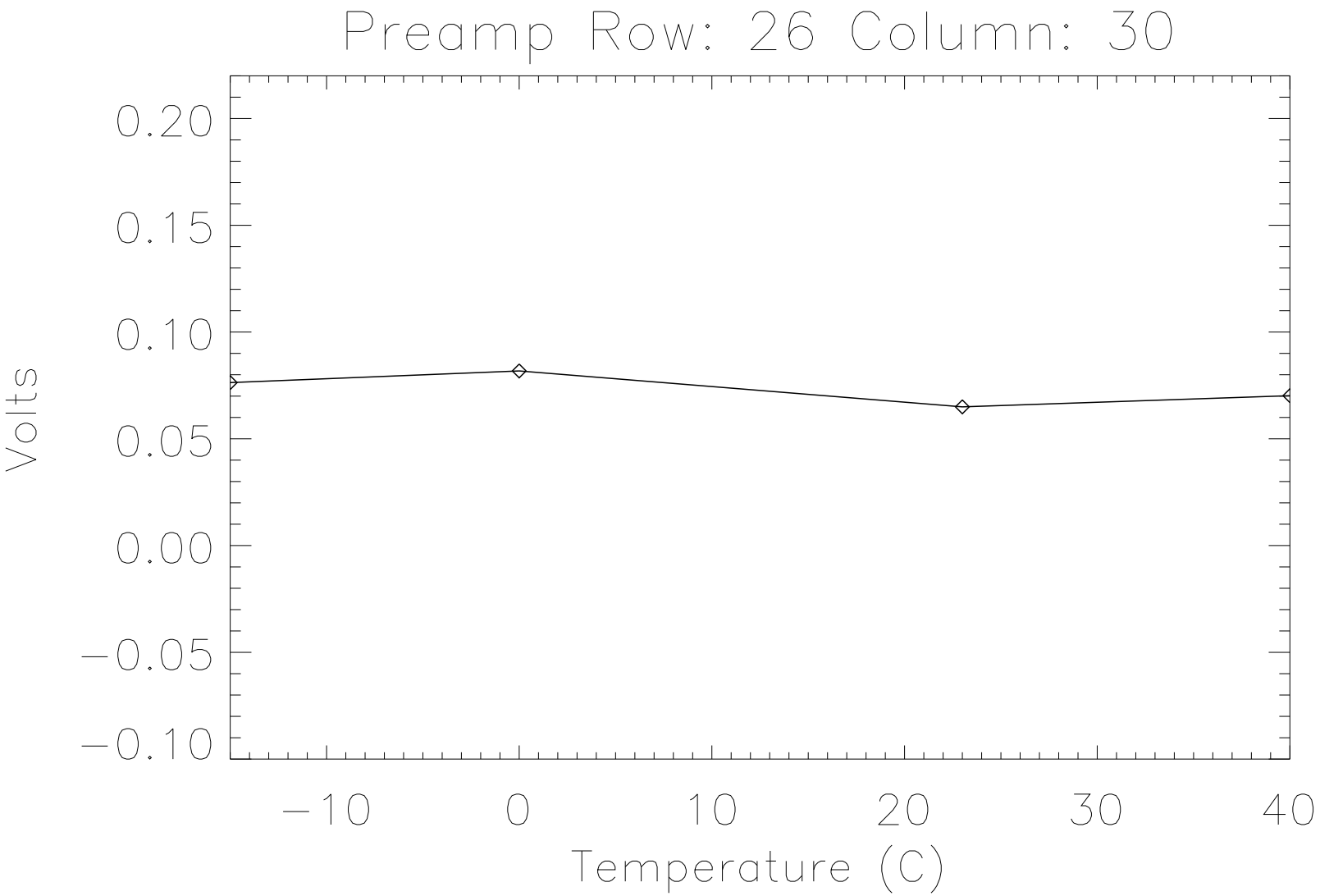

Shaper Row: 26 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 26 Column: 29
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 26 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 26 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 26 Column: 30
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 26 Column: 30
0.20
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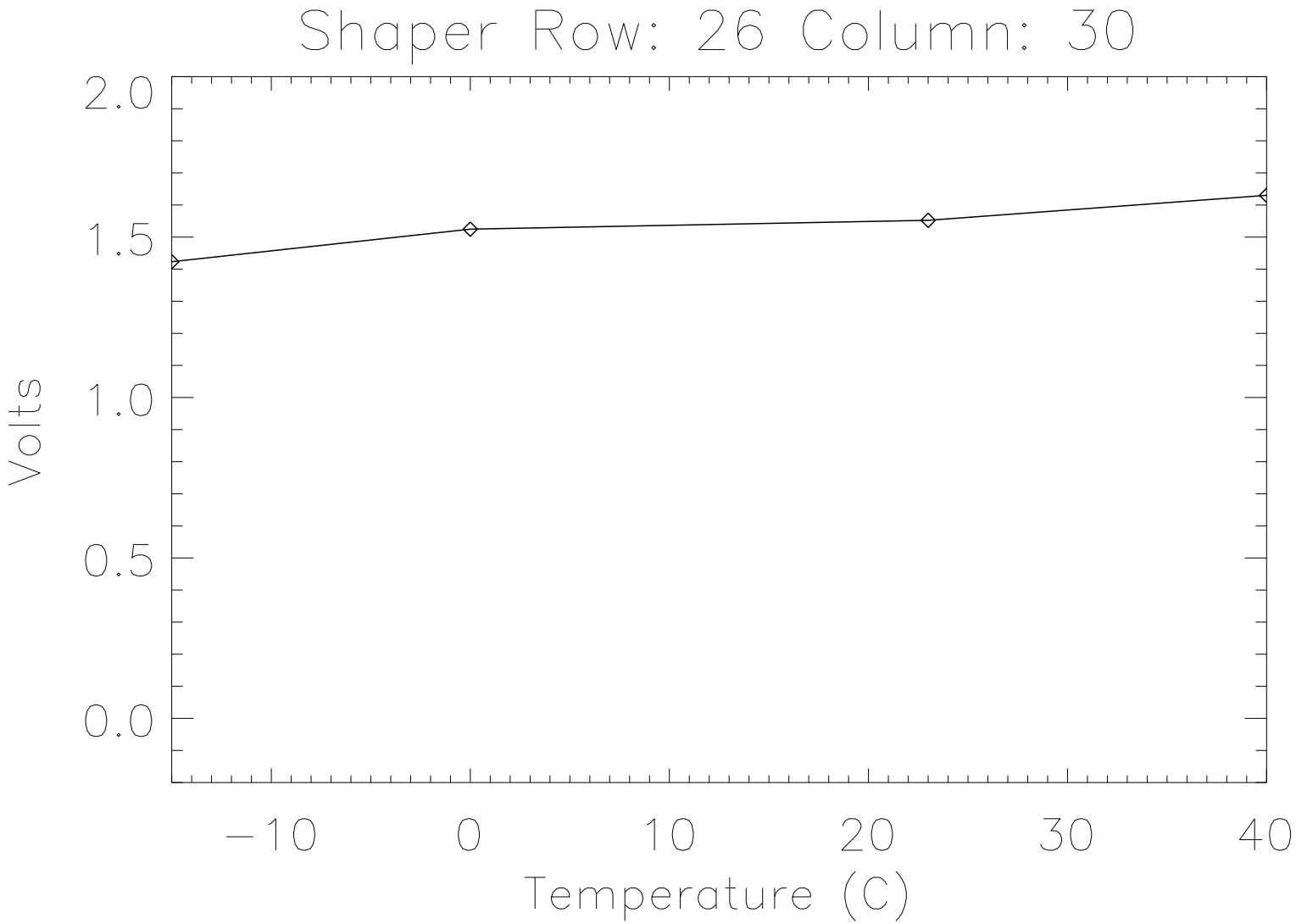
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 26 Column: 30
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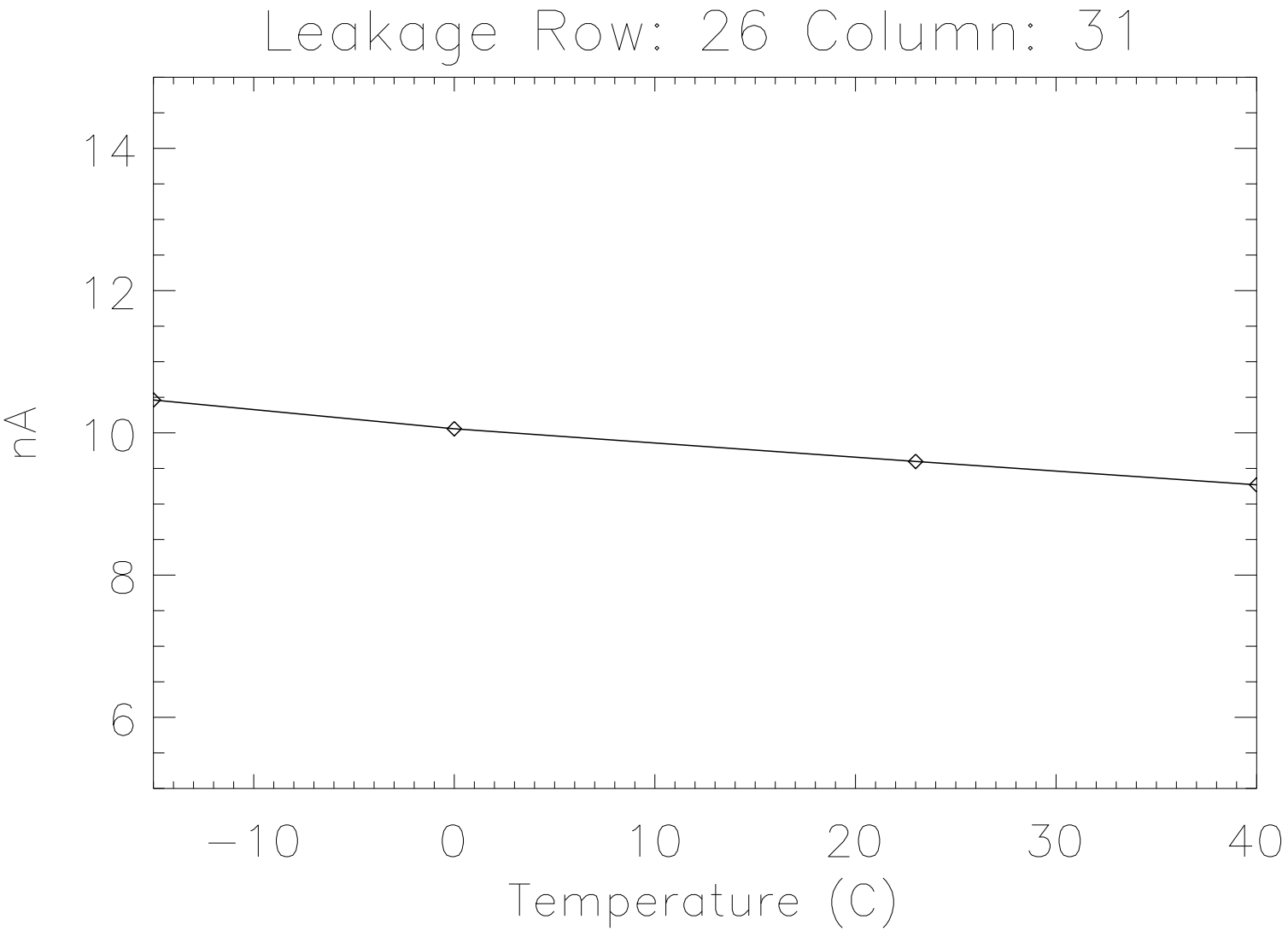
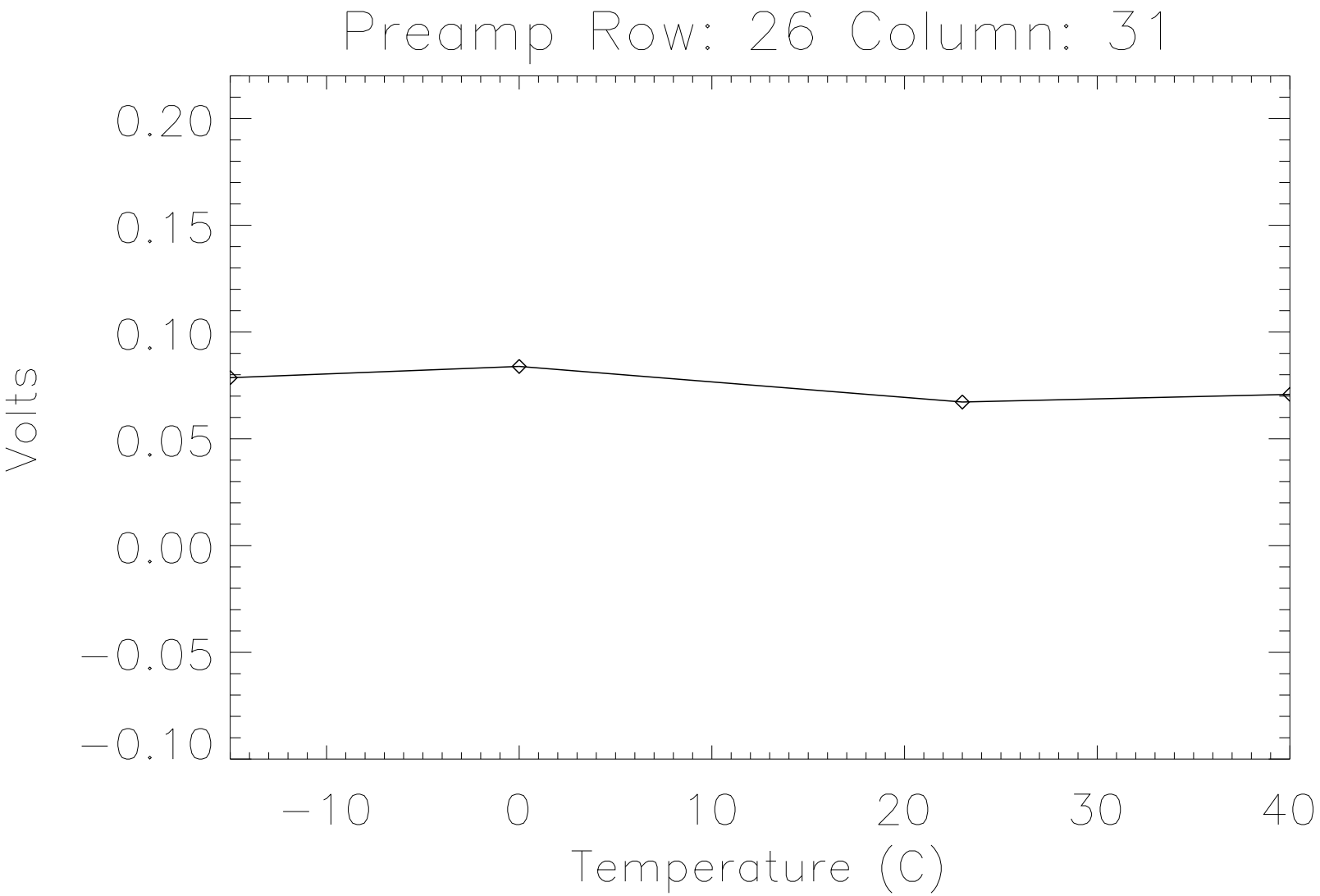
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 26 Column: 31
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 26 Column: 31
0.20
0.15
0.10
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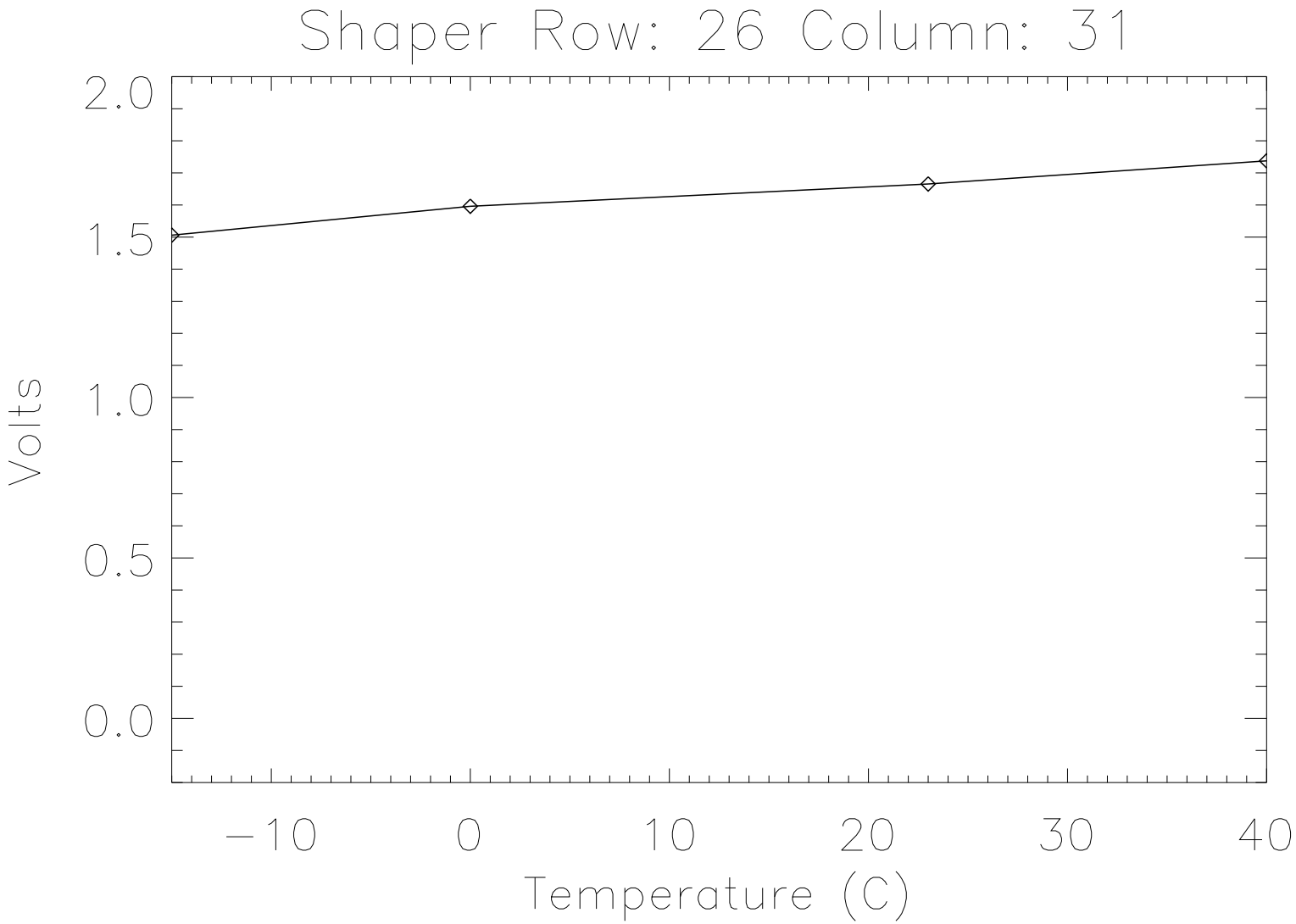
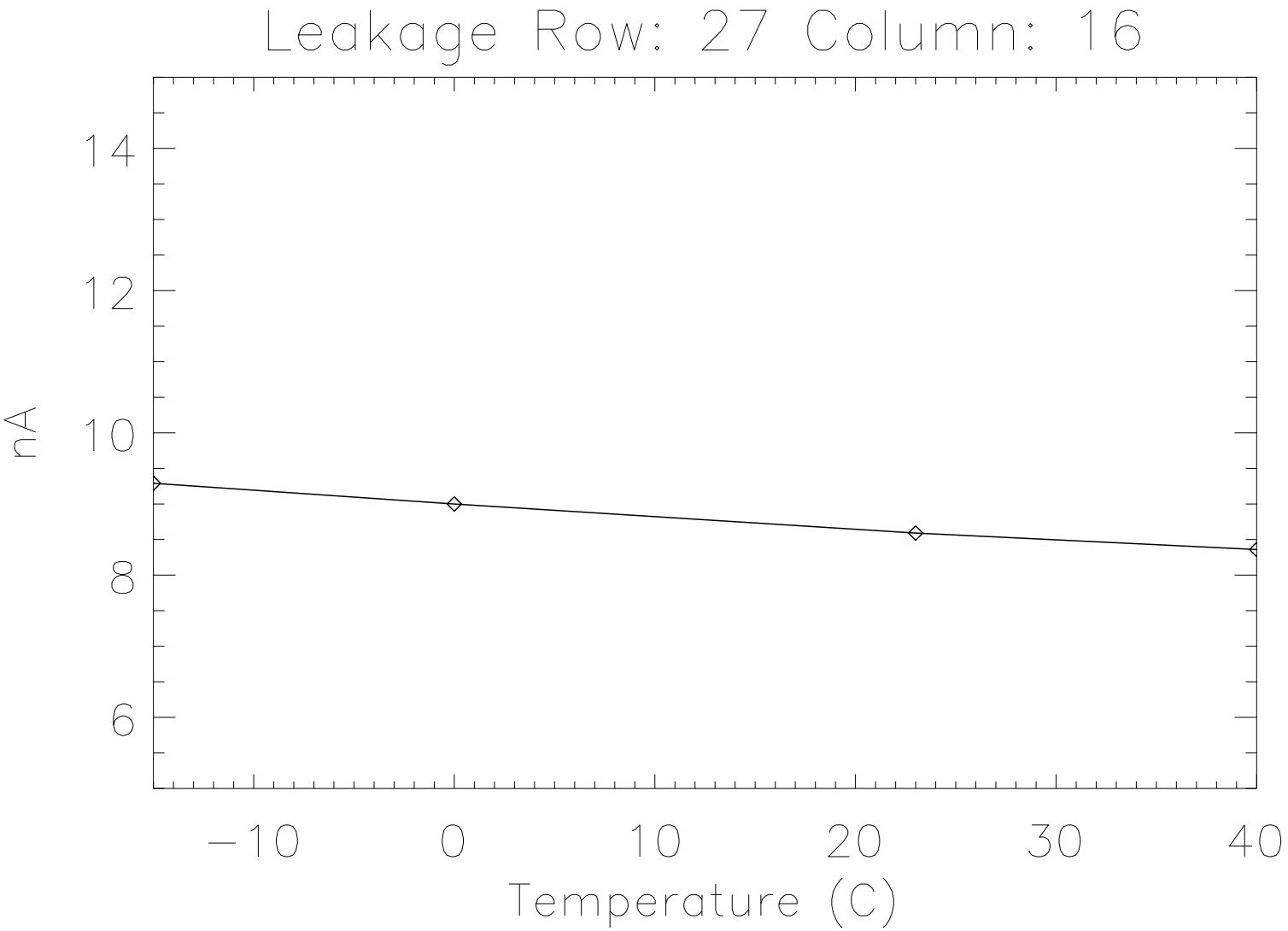
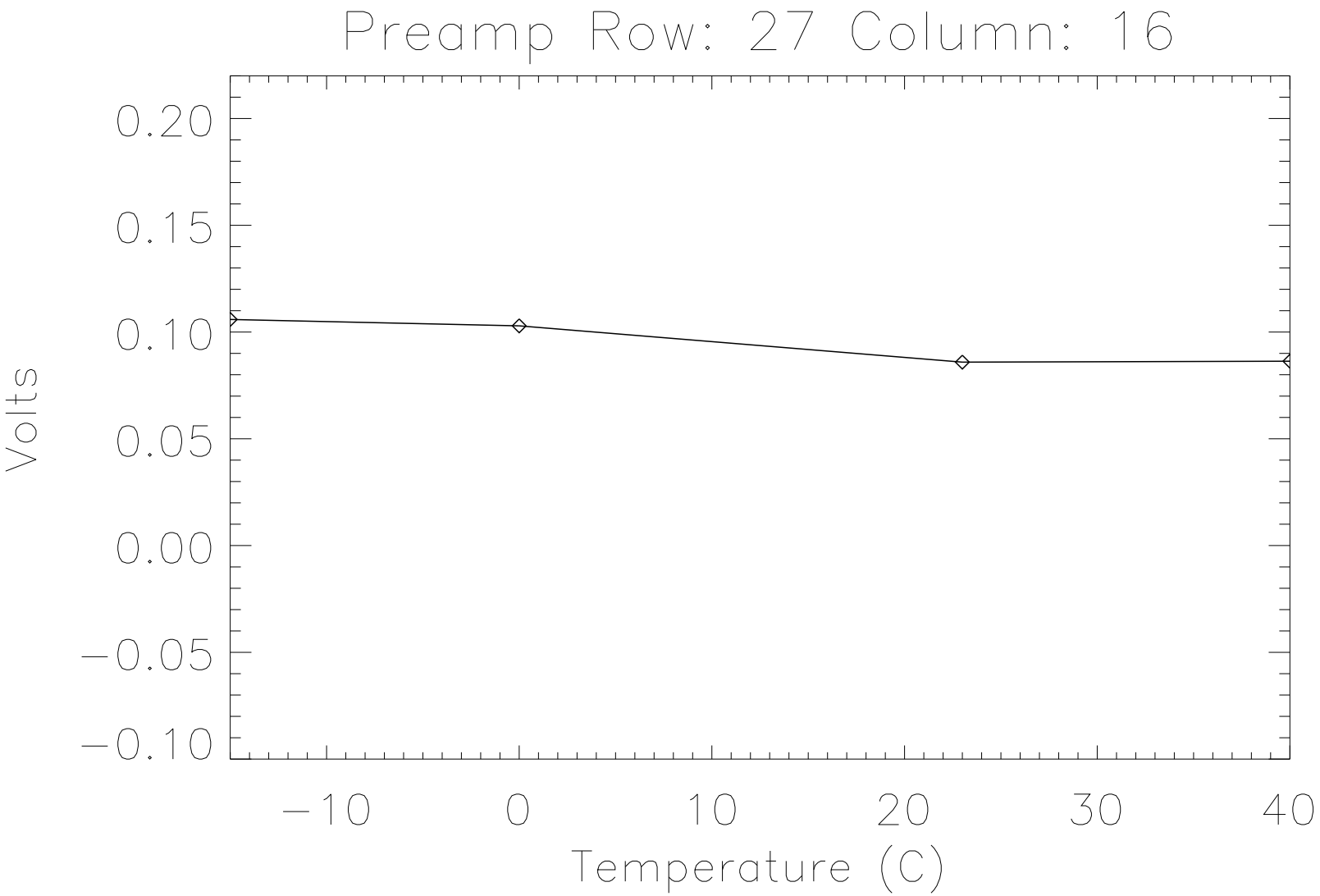
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 26 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 27 Column: 16
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 16
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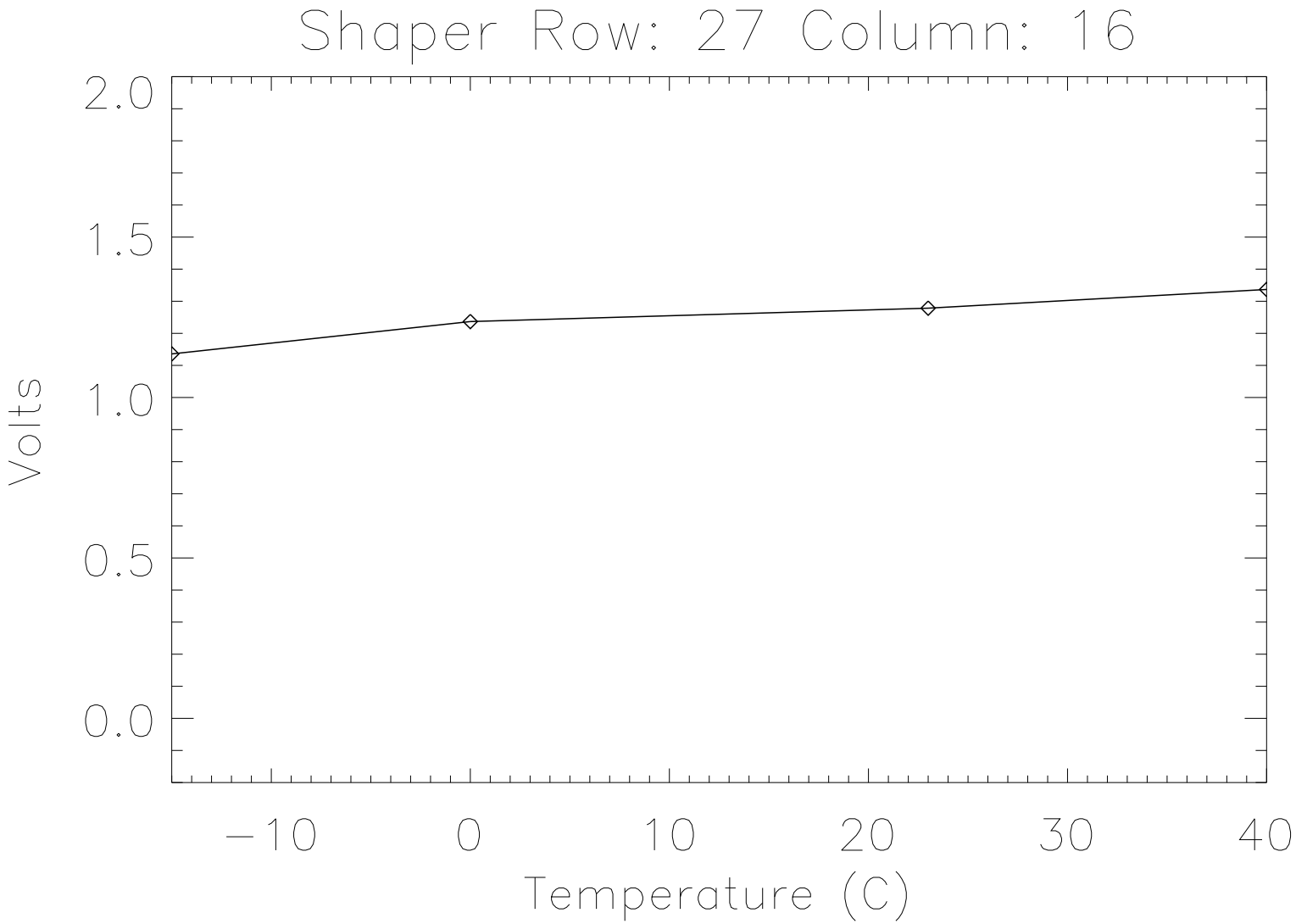
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 16
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1.5
1.0
0.5
0.0
Volts
−10
0
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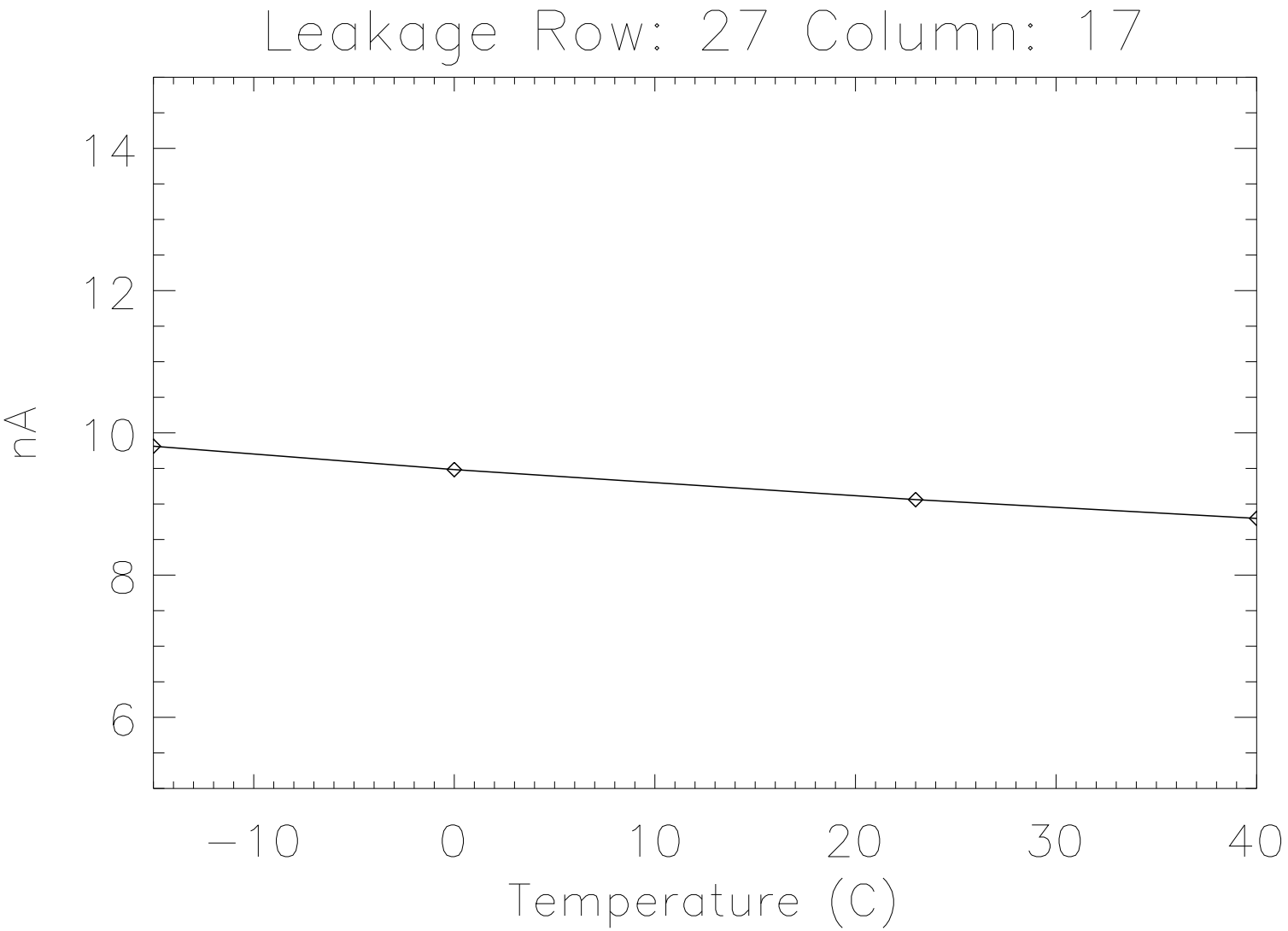
20
30
40
Temperature (C)


Leakage Row: 27 Column: 17
nA
14
12
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8
6
−10
0
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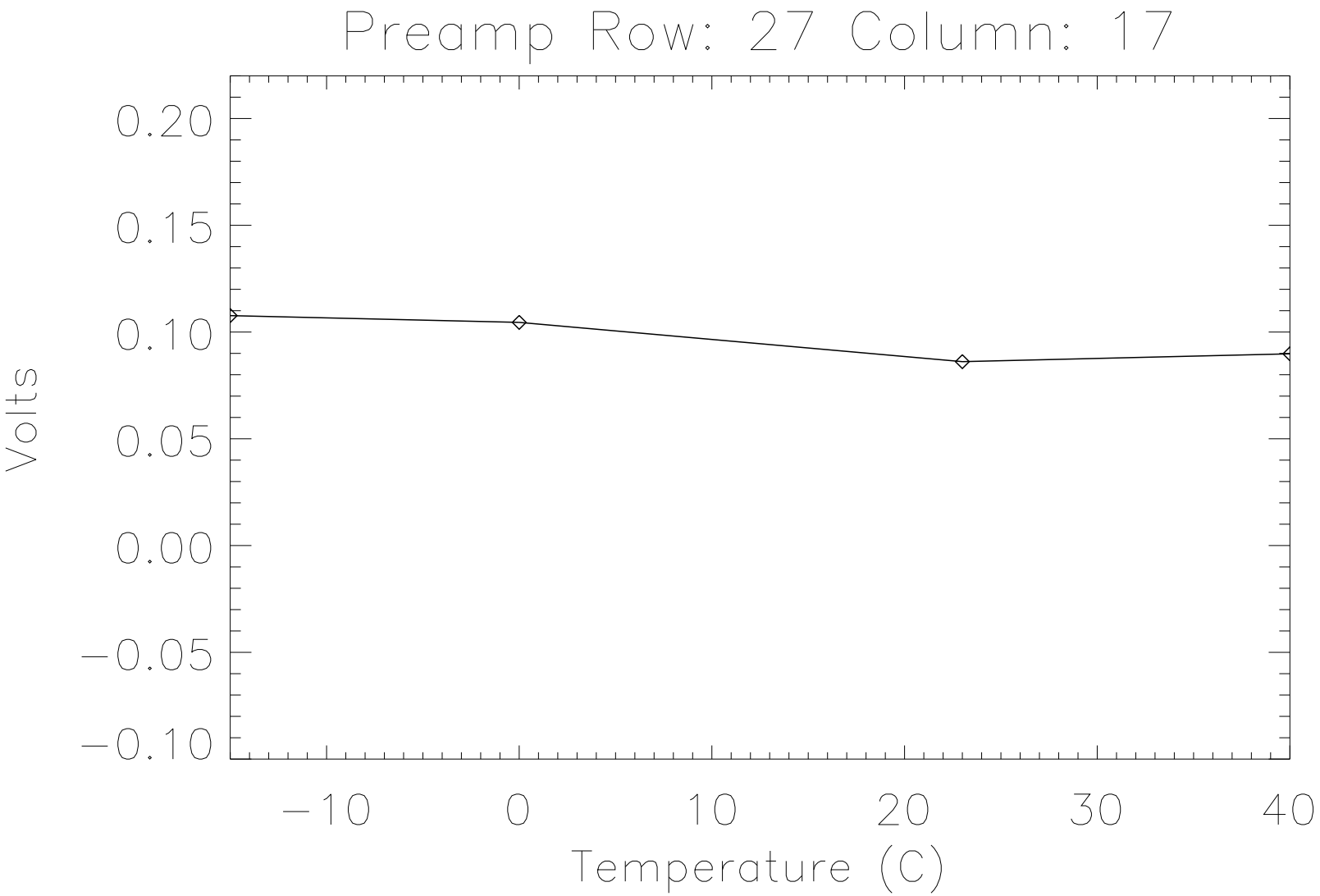
20
30
40
Temperature (C)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0.00
−0.05
−0.10
Volts
−10
0
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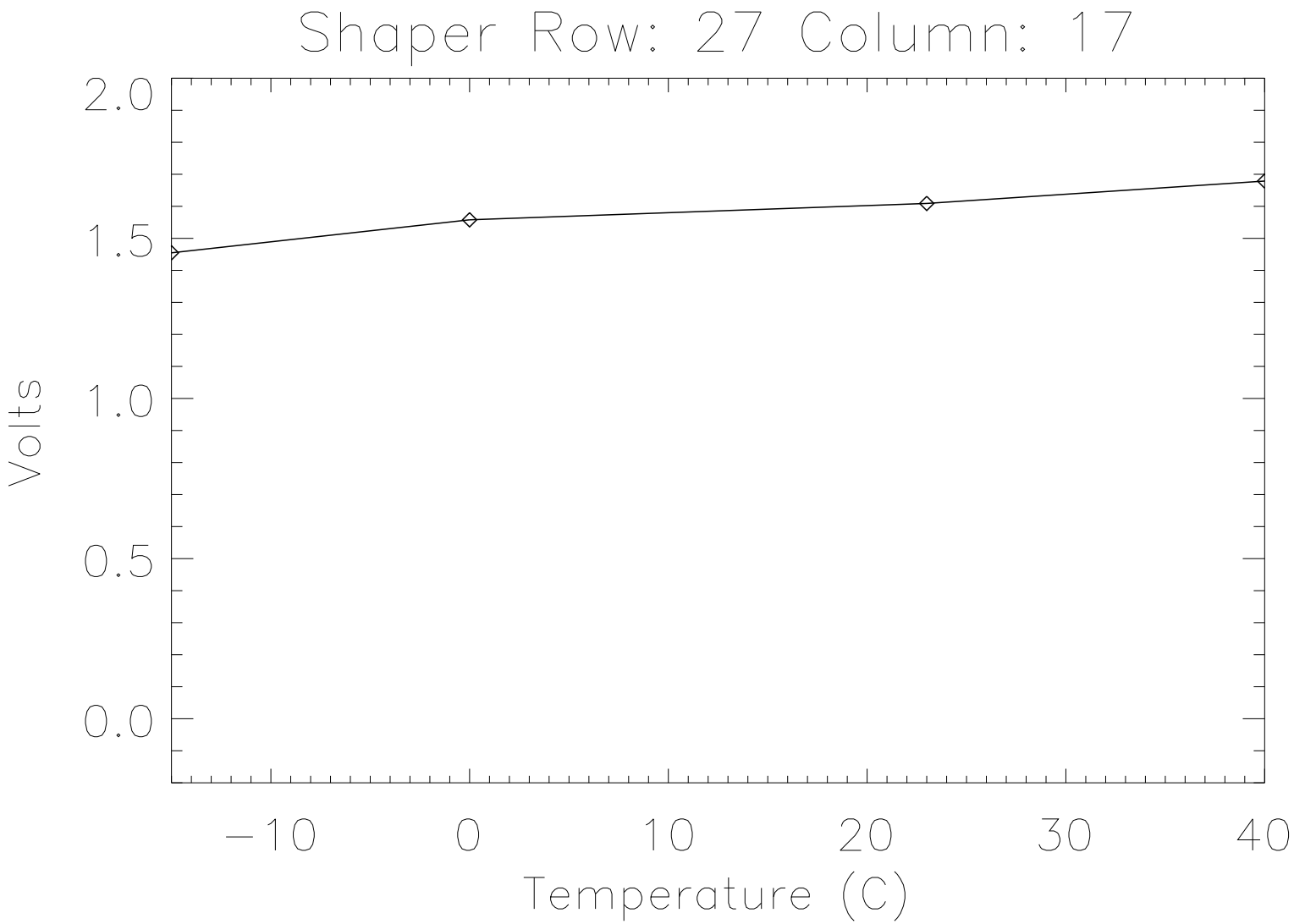
20
30
40
Temperature (C)


Shaper Row: 27 Column: 17
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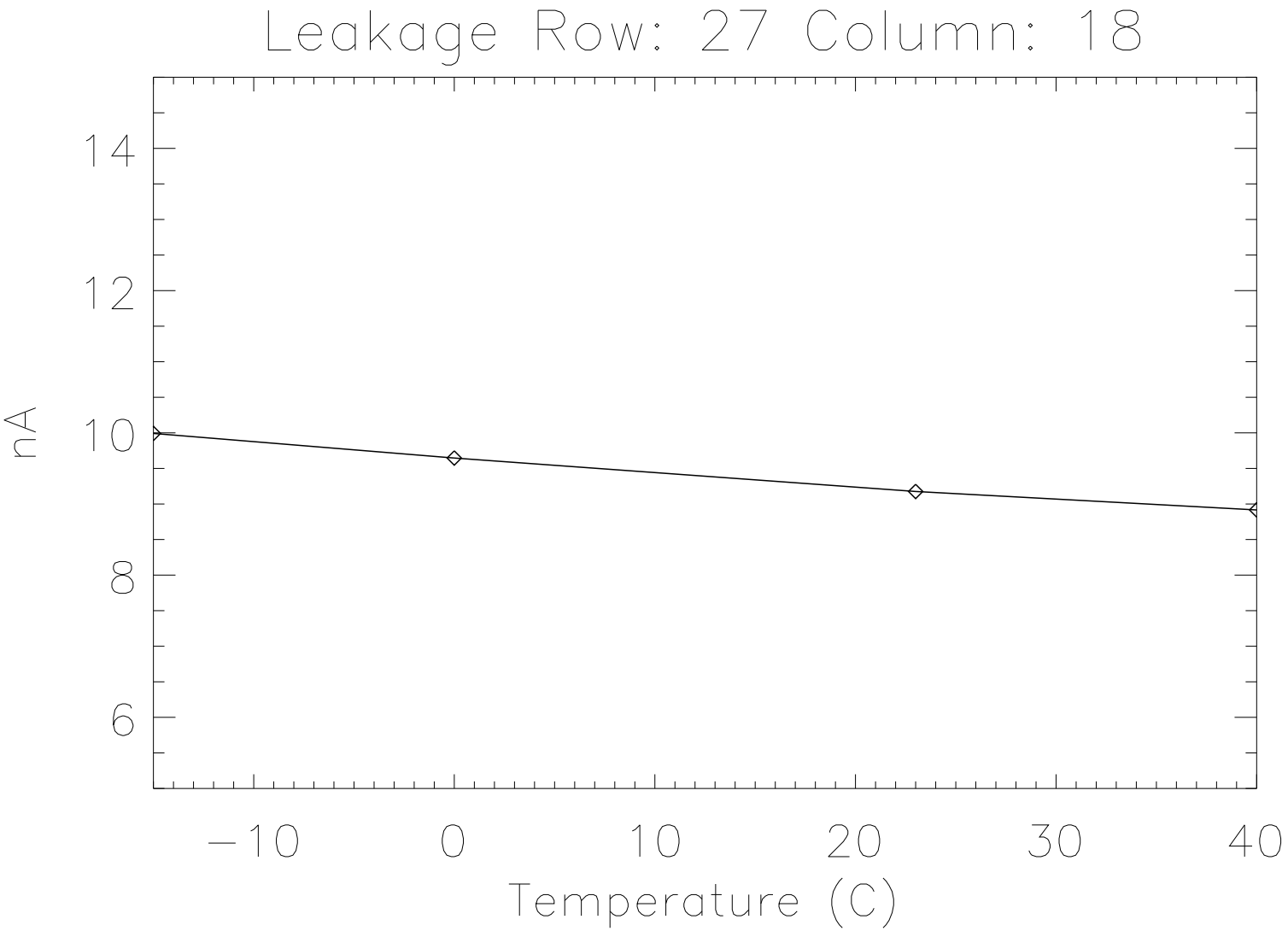
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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nA
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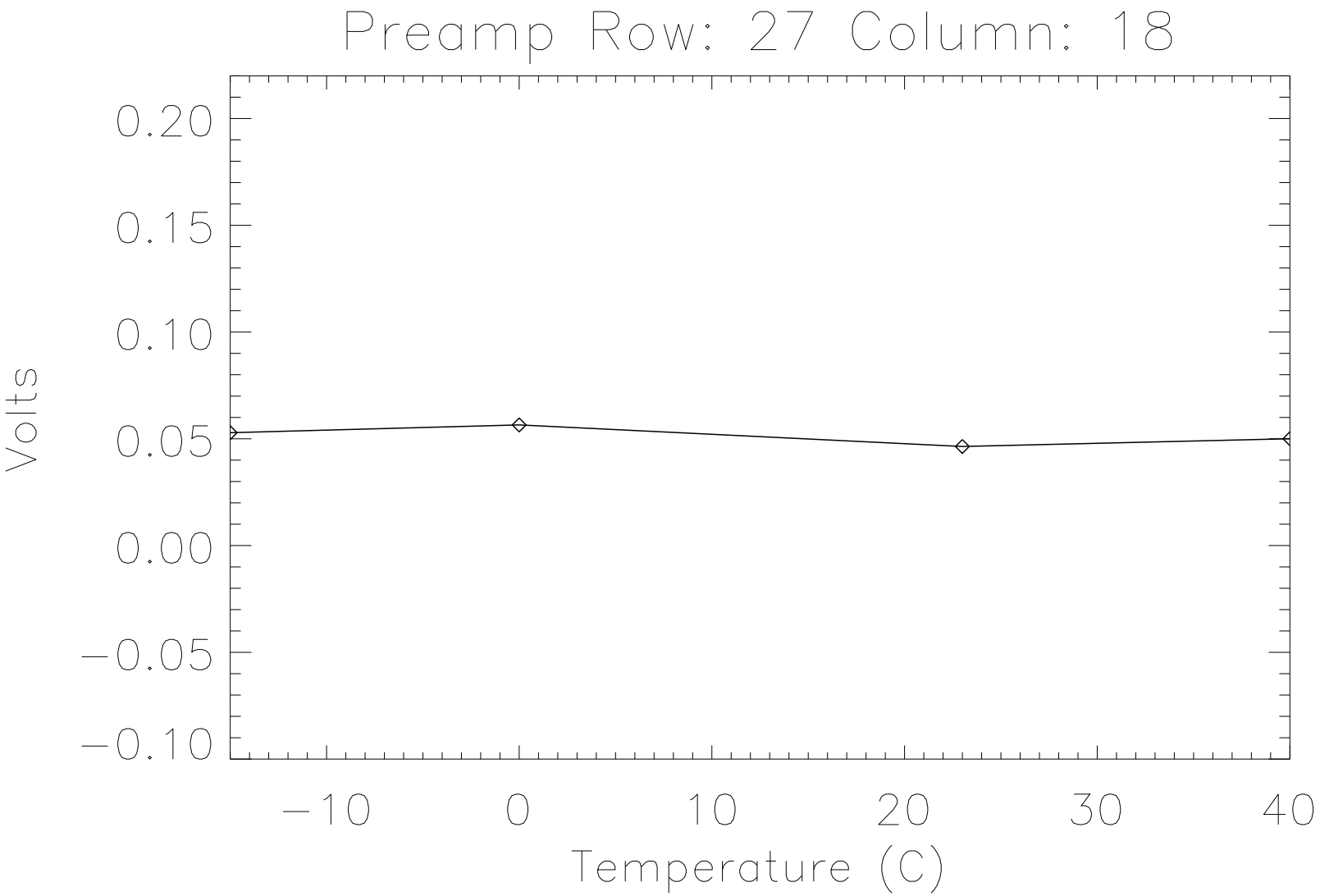
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 18
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0.10
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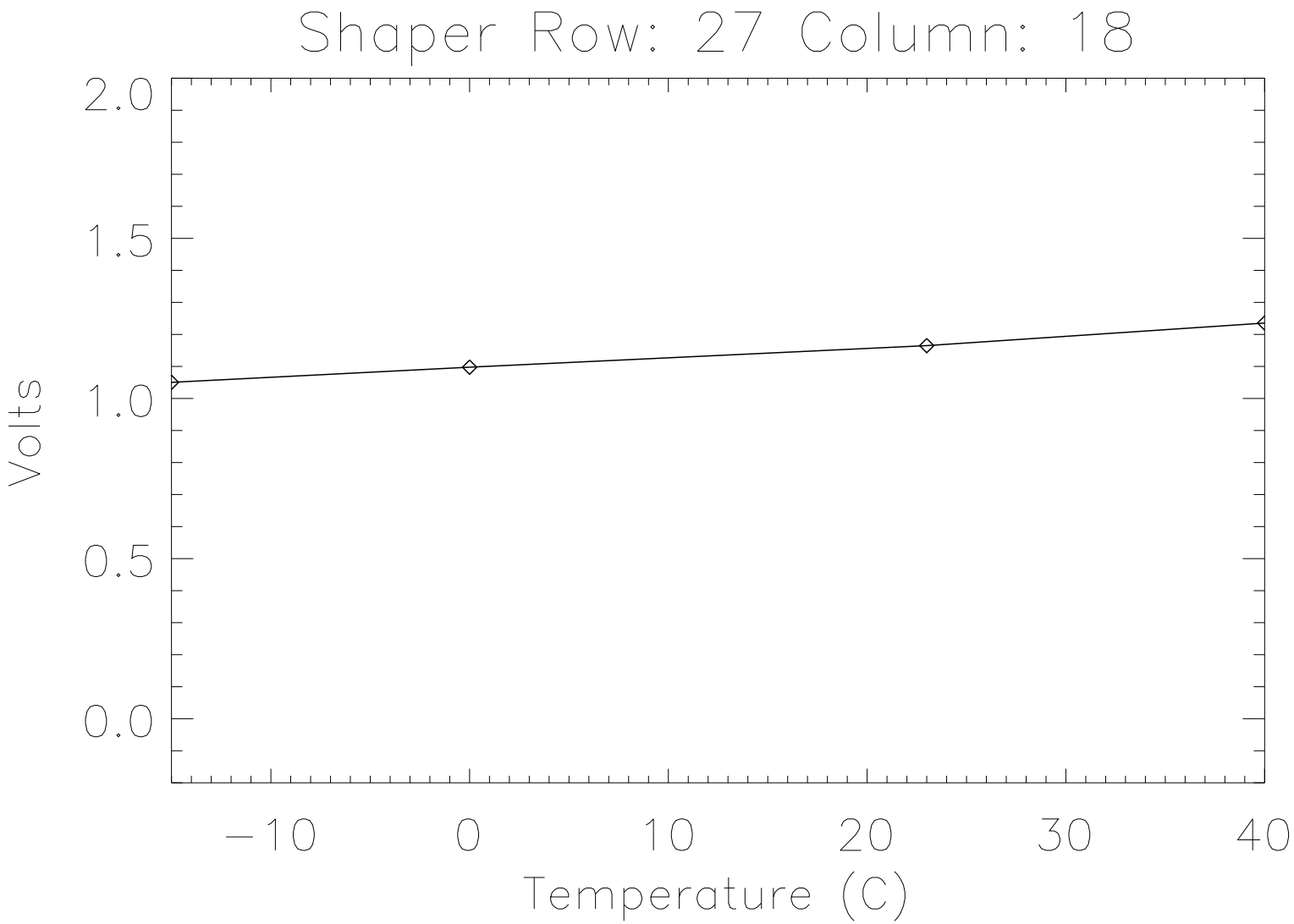
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 18
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1.0
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Volts
−10
0
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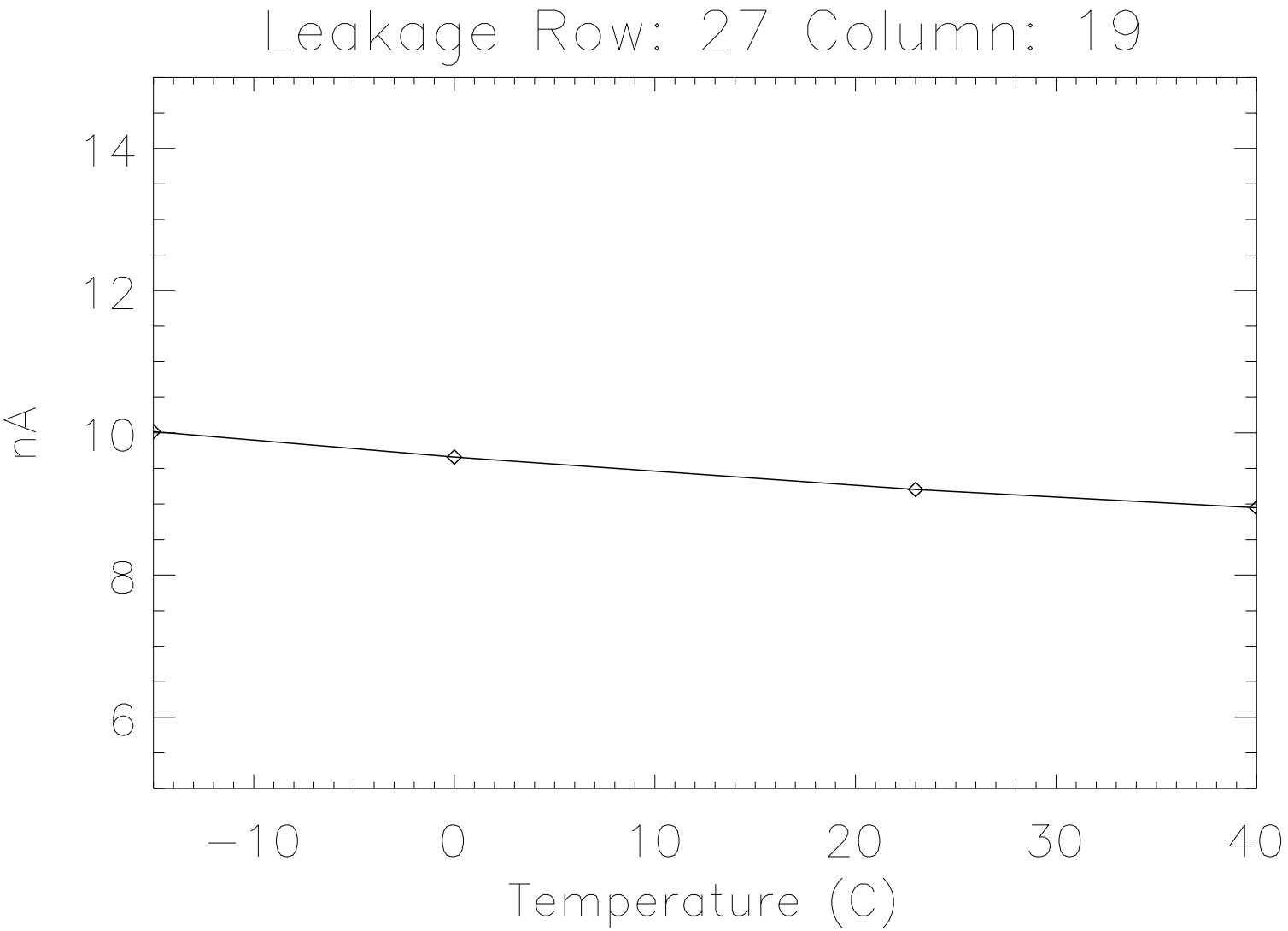
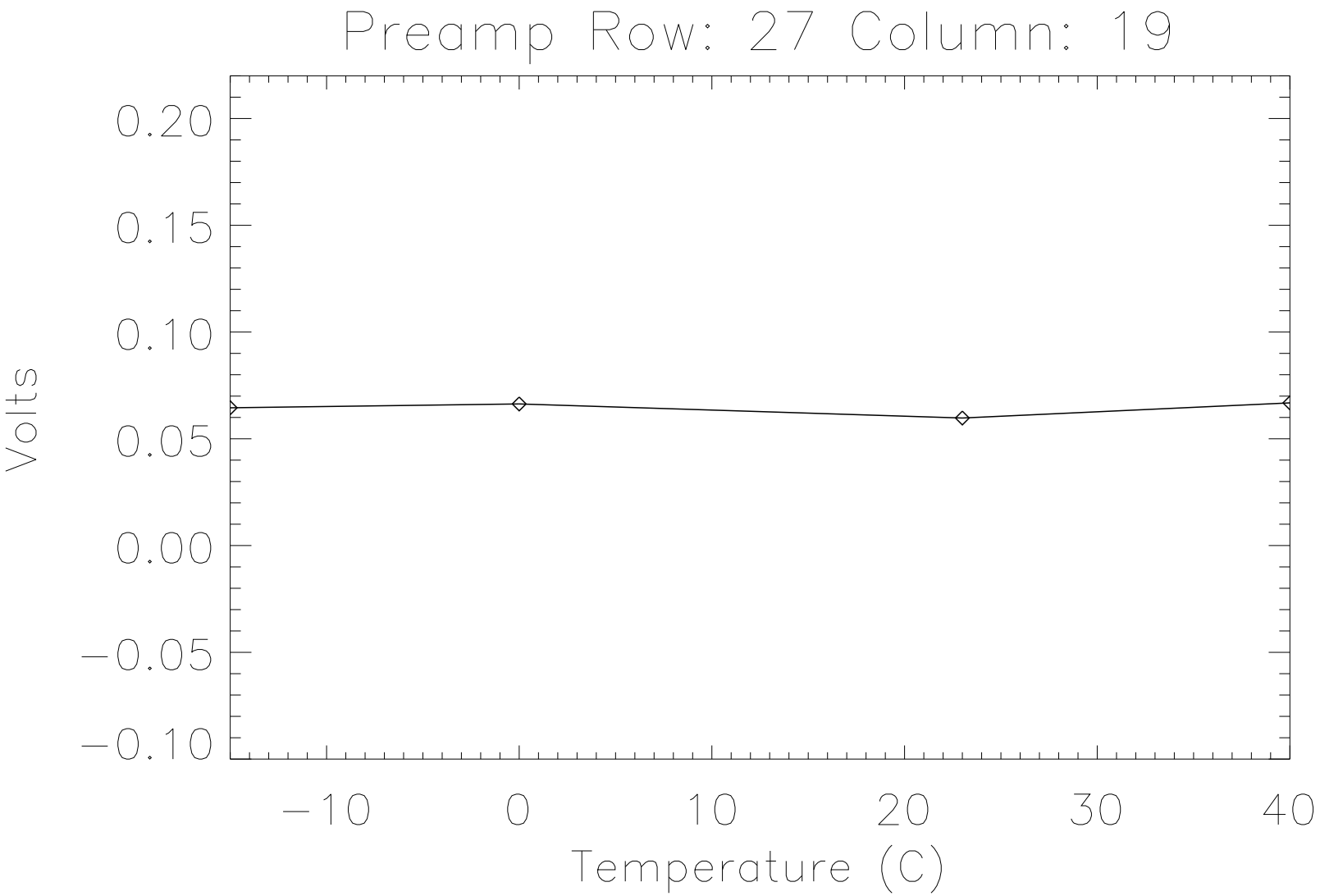
30
40
Temperature (C)


Leakage Row: 27 Column: 19
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 19
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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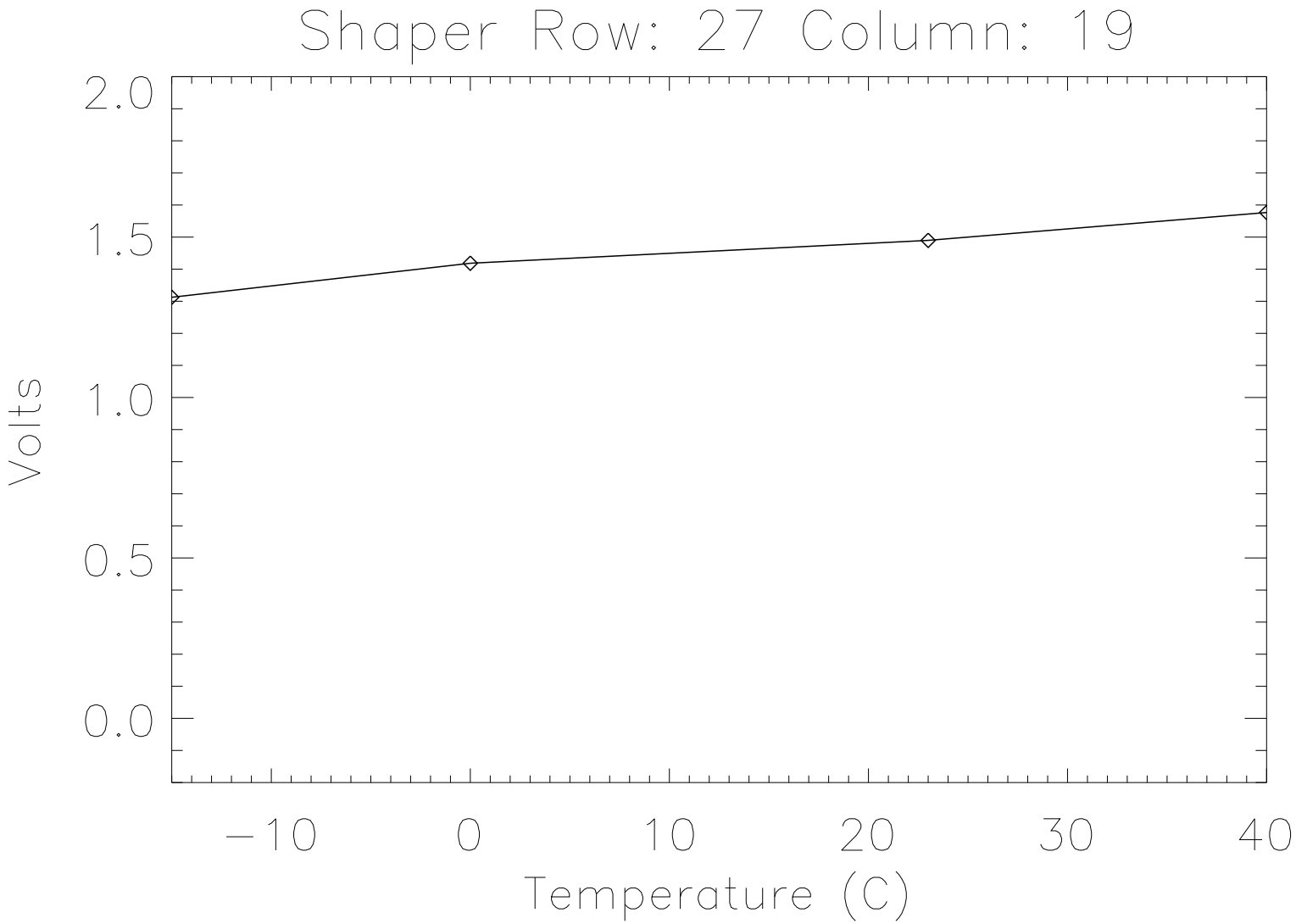
20
30
40
Temperature (C)


Shaper Row: 27 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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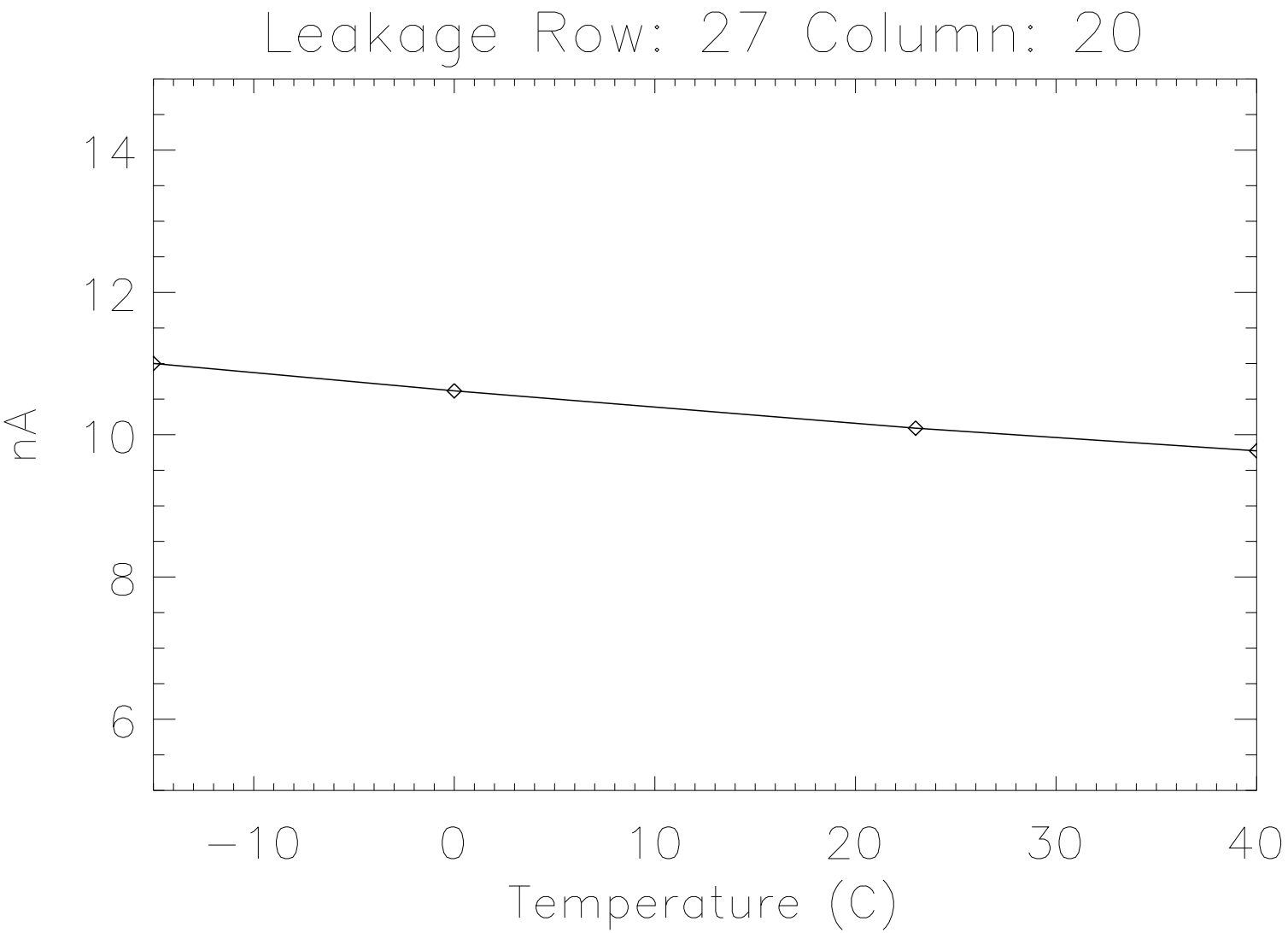
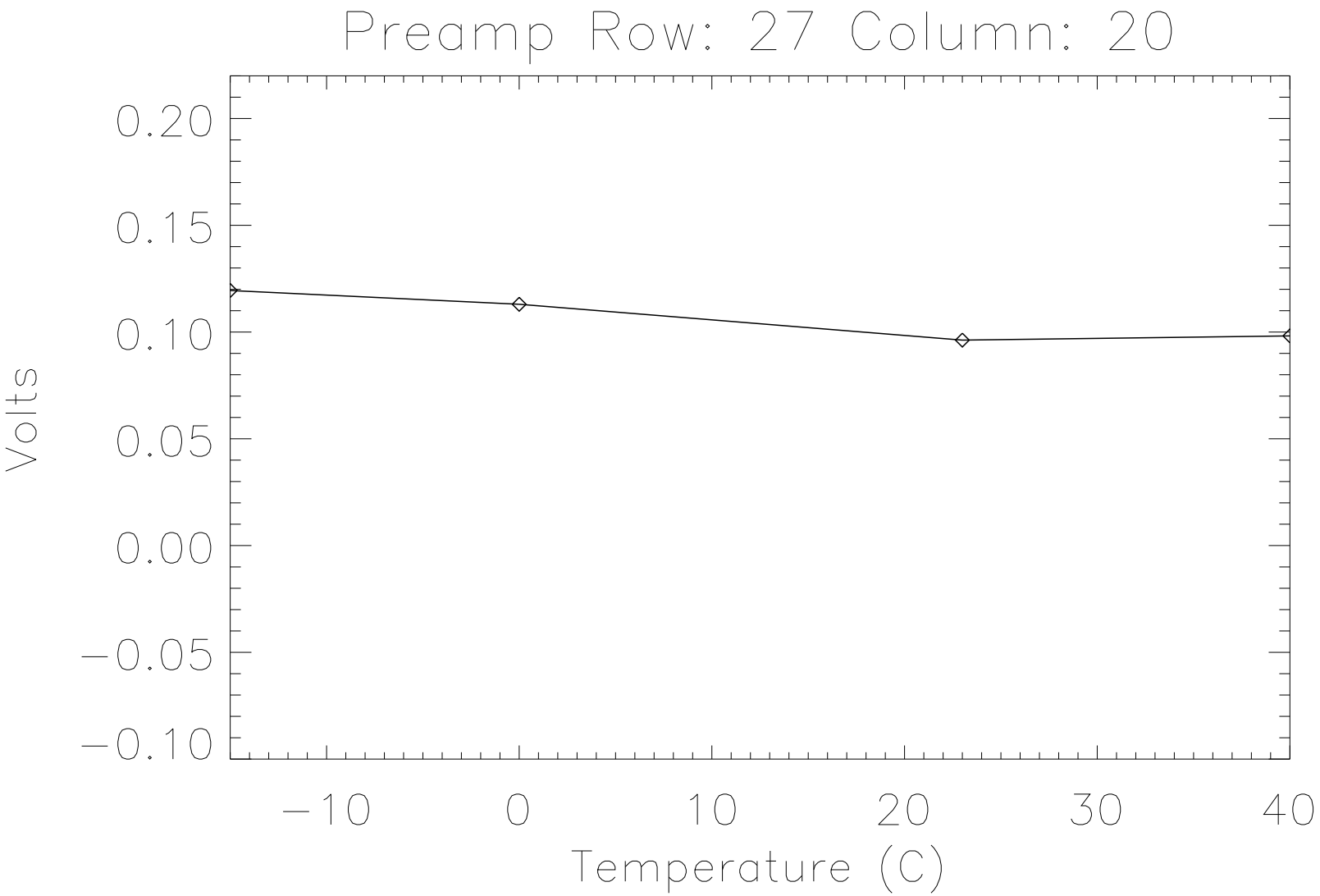
30
40
Temperature (C)


Leakage Row: 27 Column: 20
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 20
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0.10
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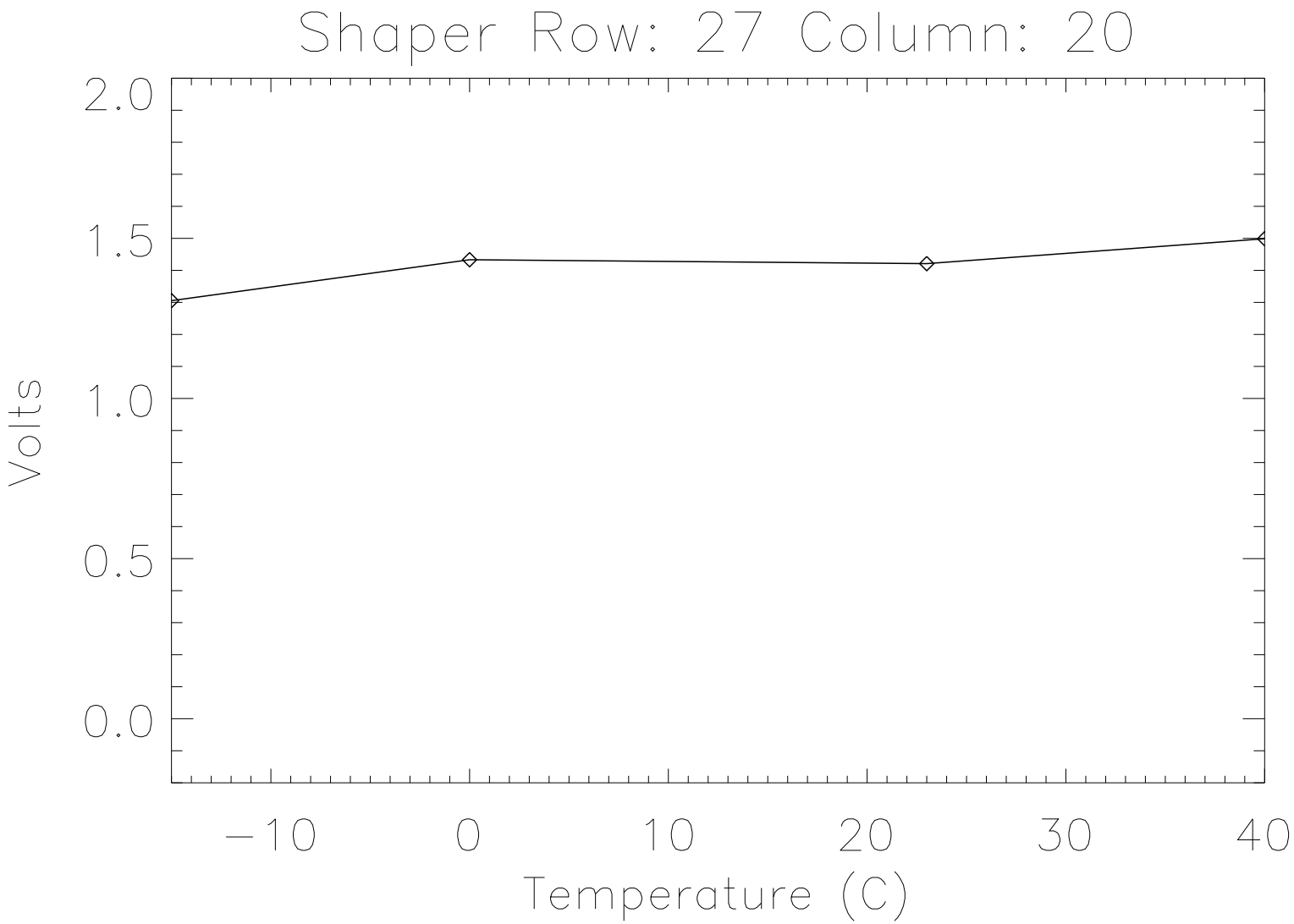
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 20
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1.0
0.5
0.0
Volts
−10
0
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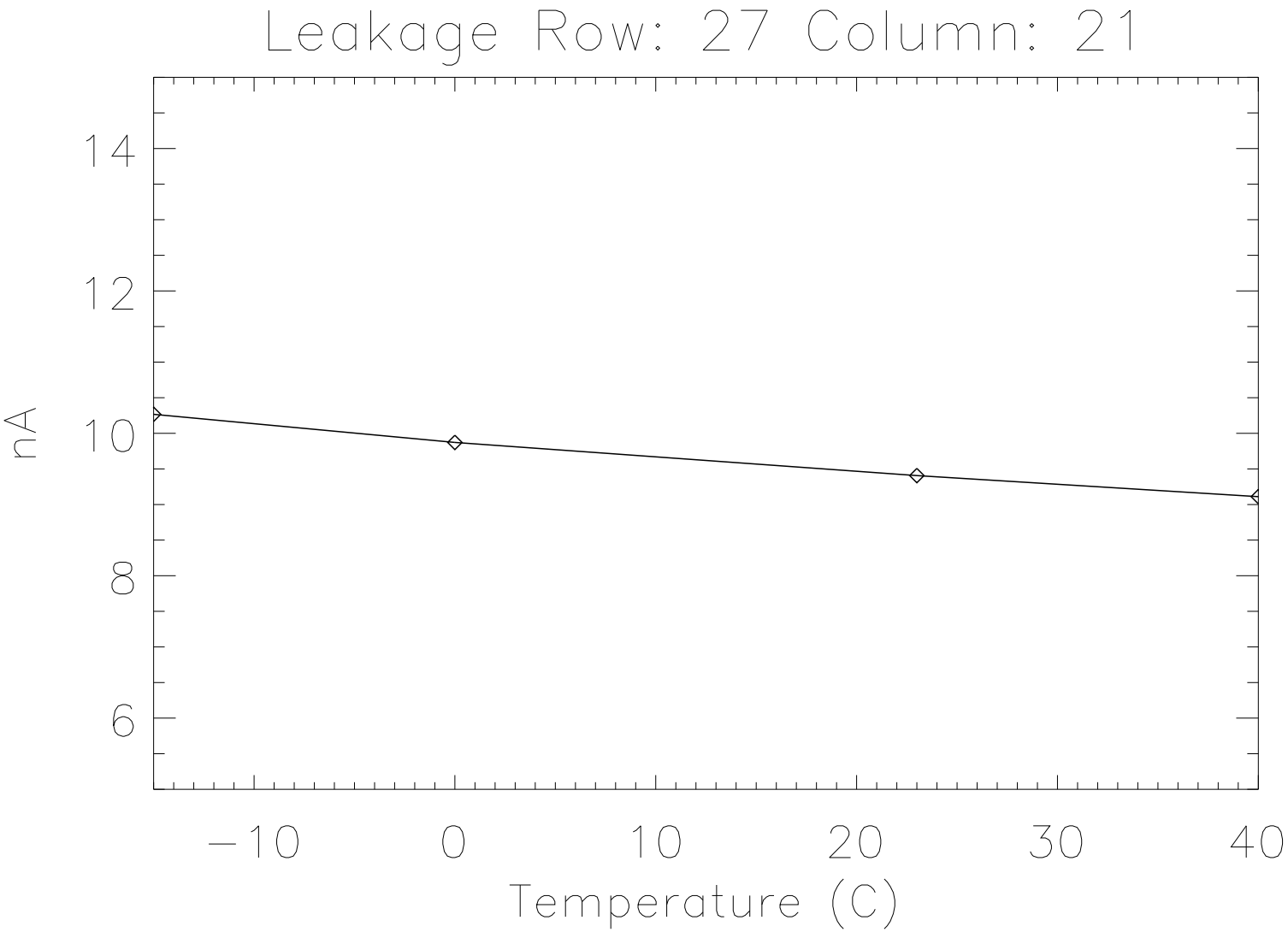
20
30
40
Temperature (C)


Leakage Row: 27 Column: 21
14
12
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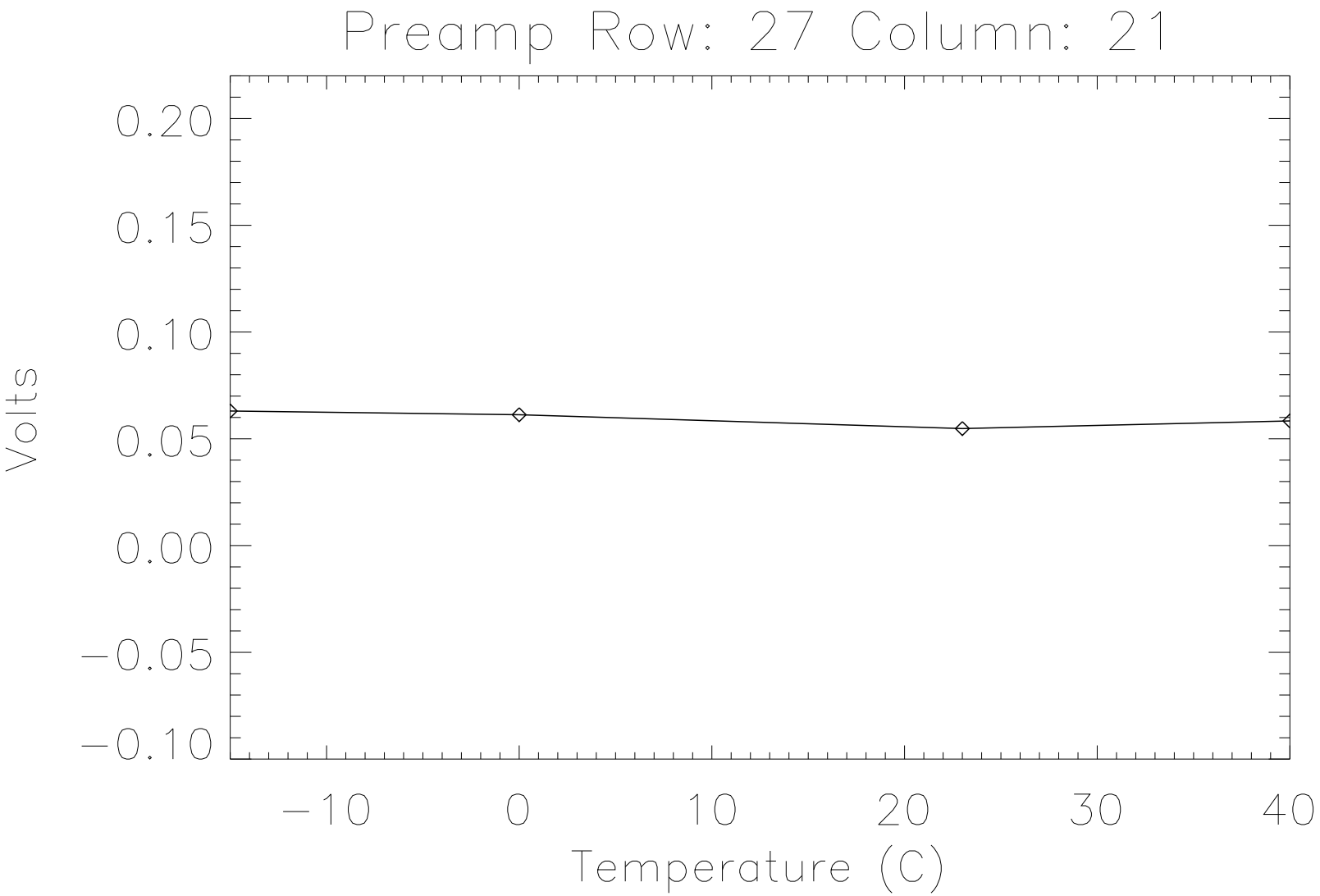
8
6
nA
−10
0
10
20
30
40
Temperature (C)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0.00
−0.05
−0.10
Volts
−10
0
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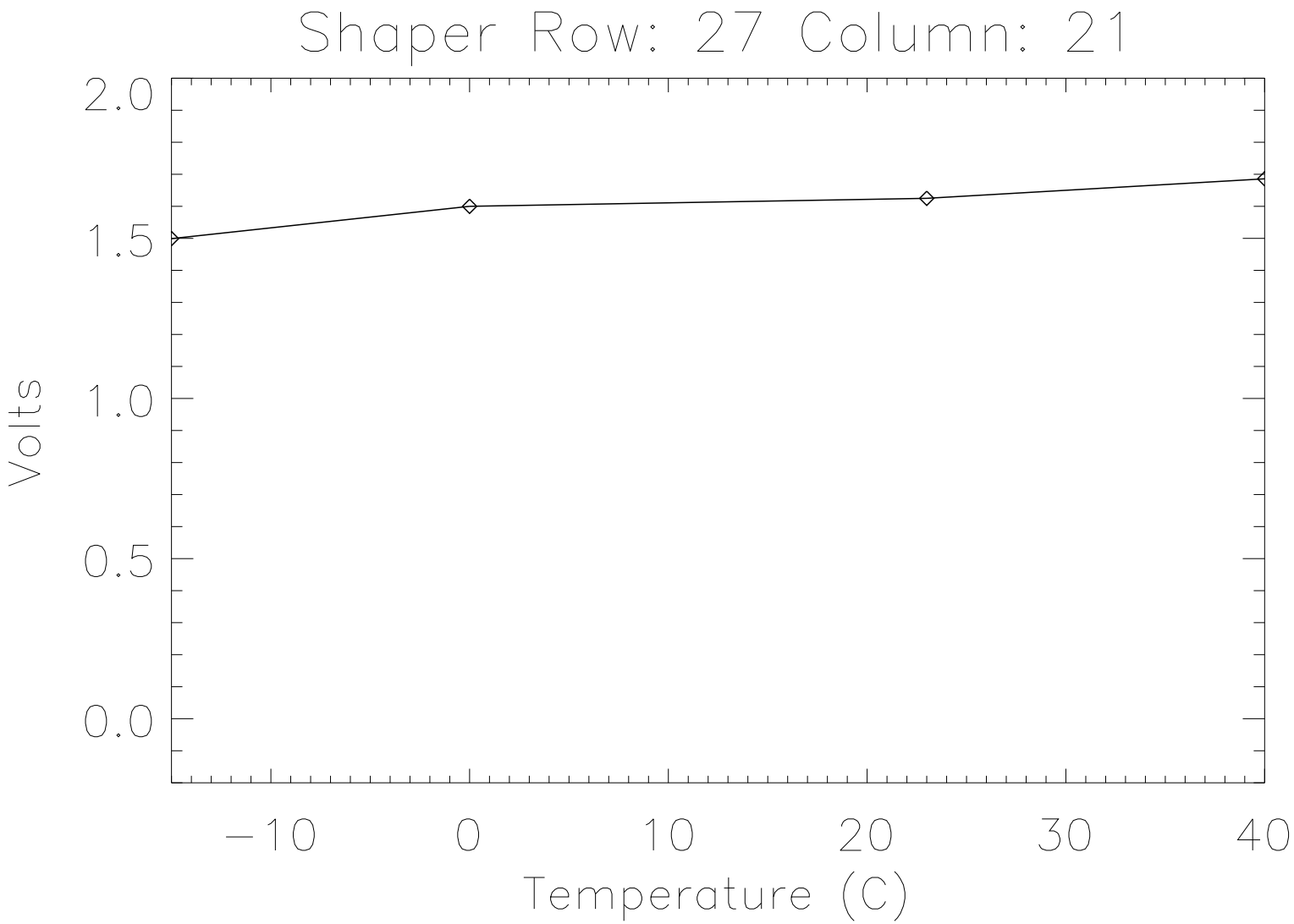
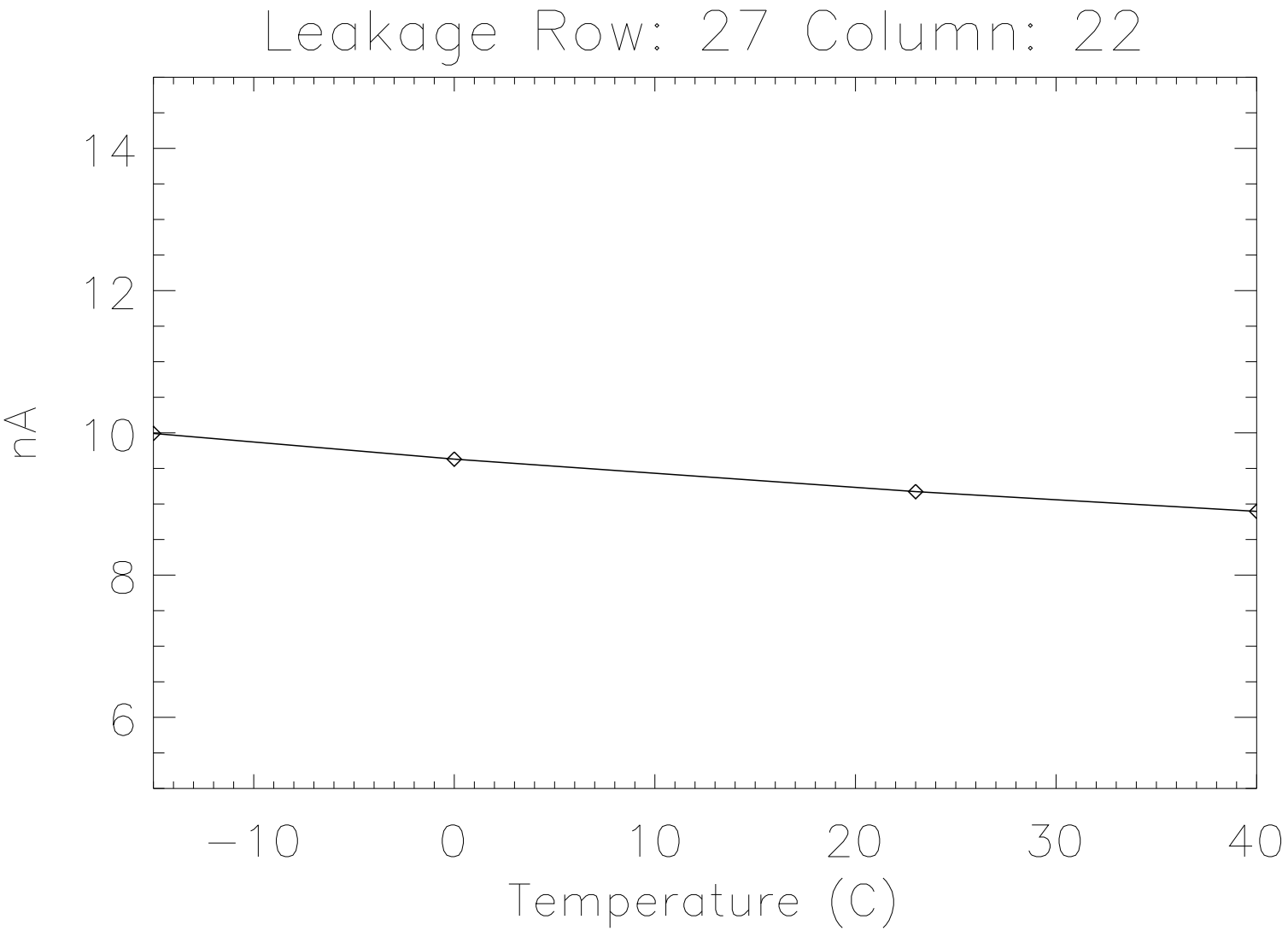
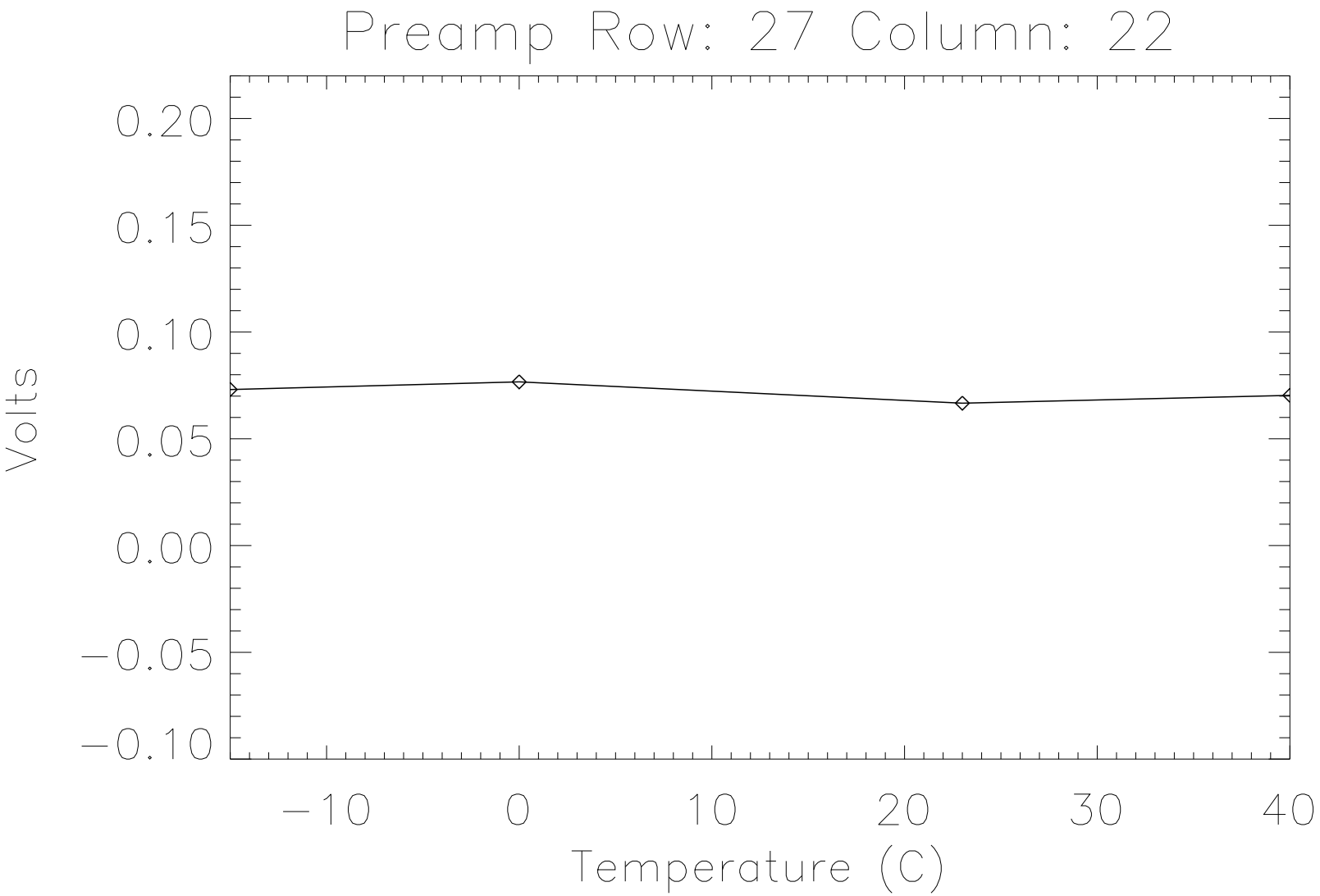
20
30
40
Temperature (C)


Shaper Row: 27 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 27 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 22
0.20
0.15
0.10
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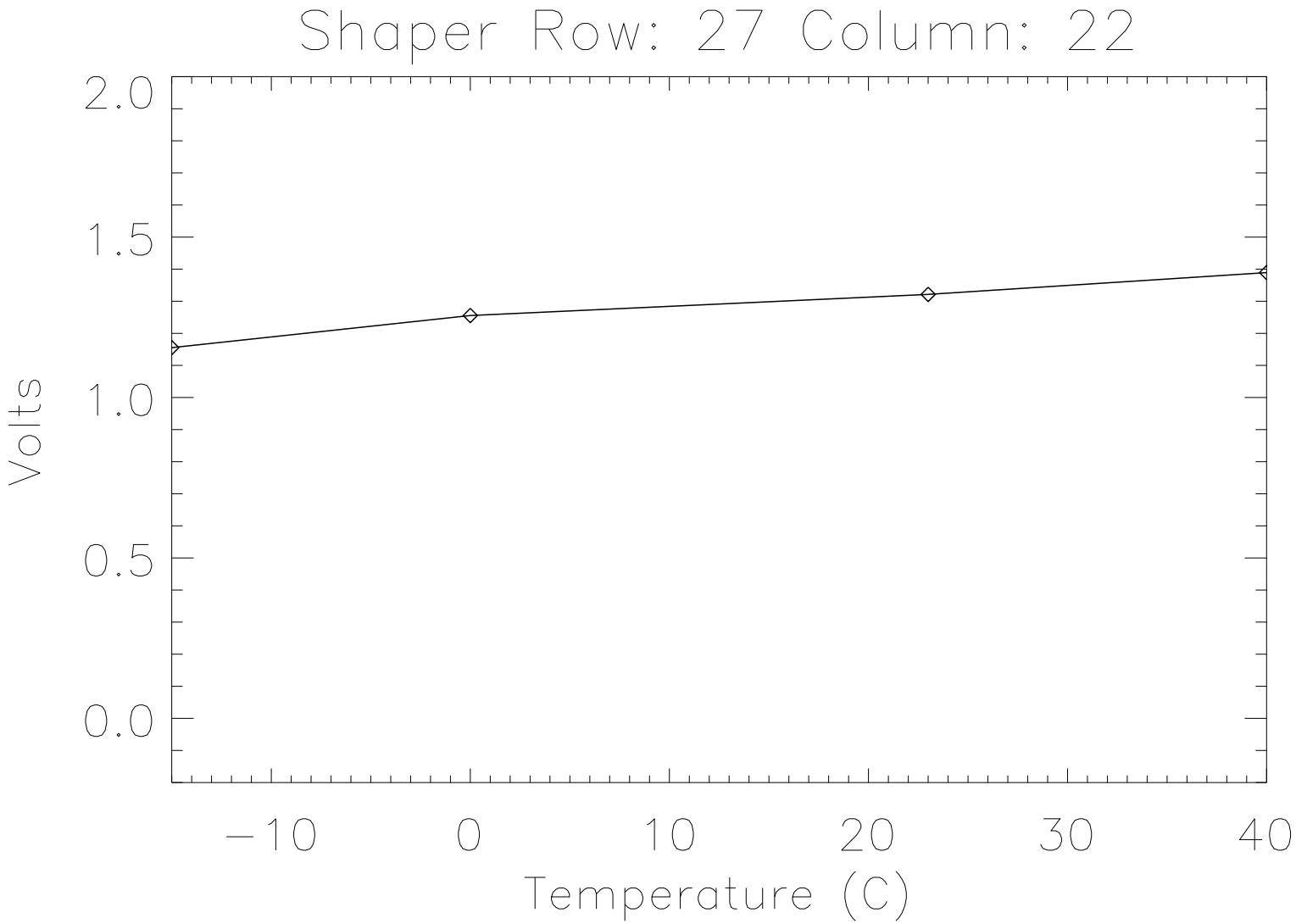
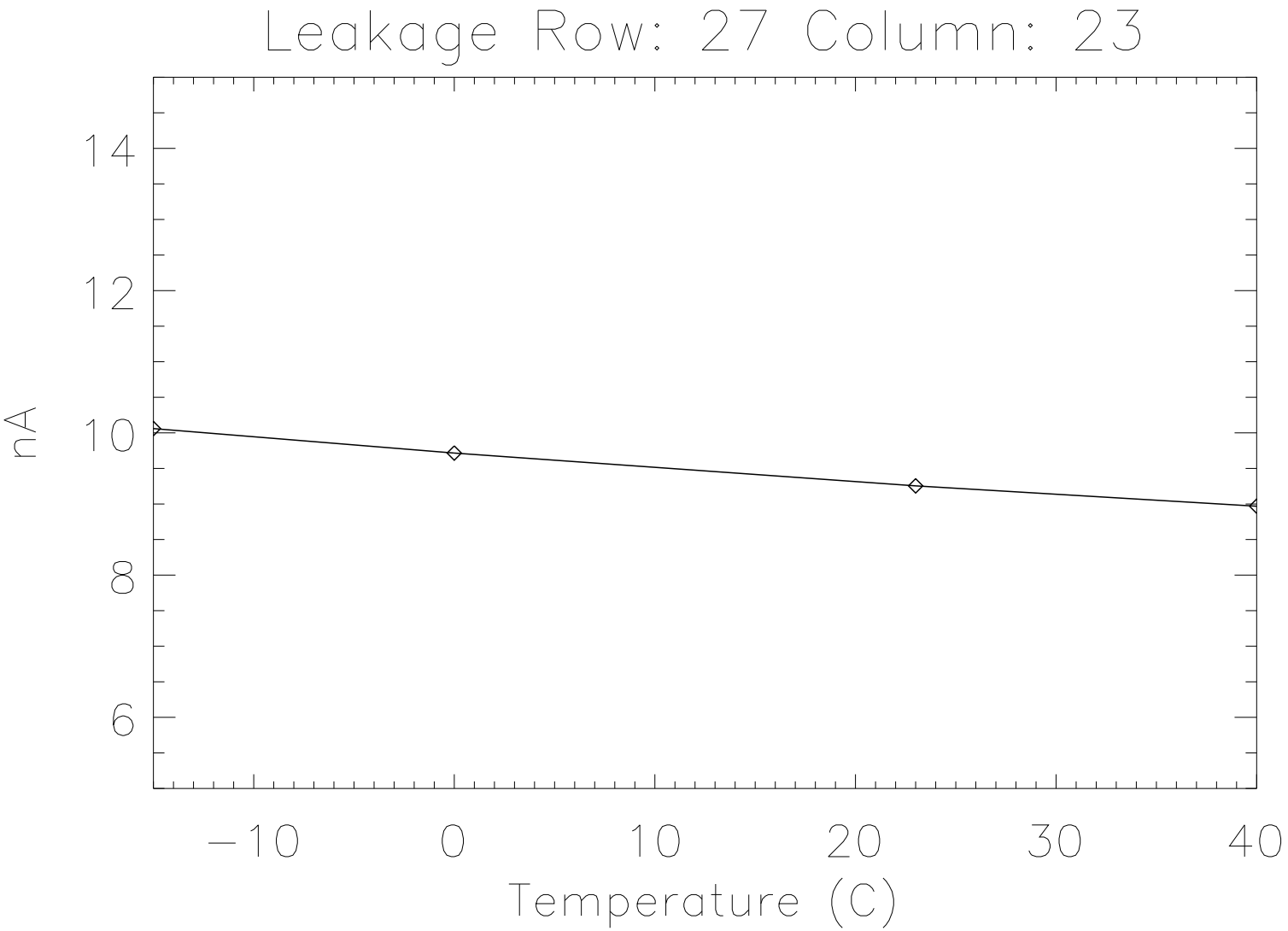
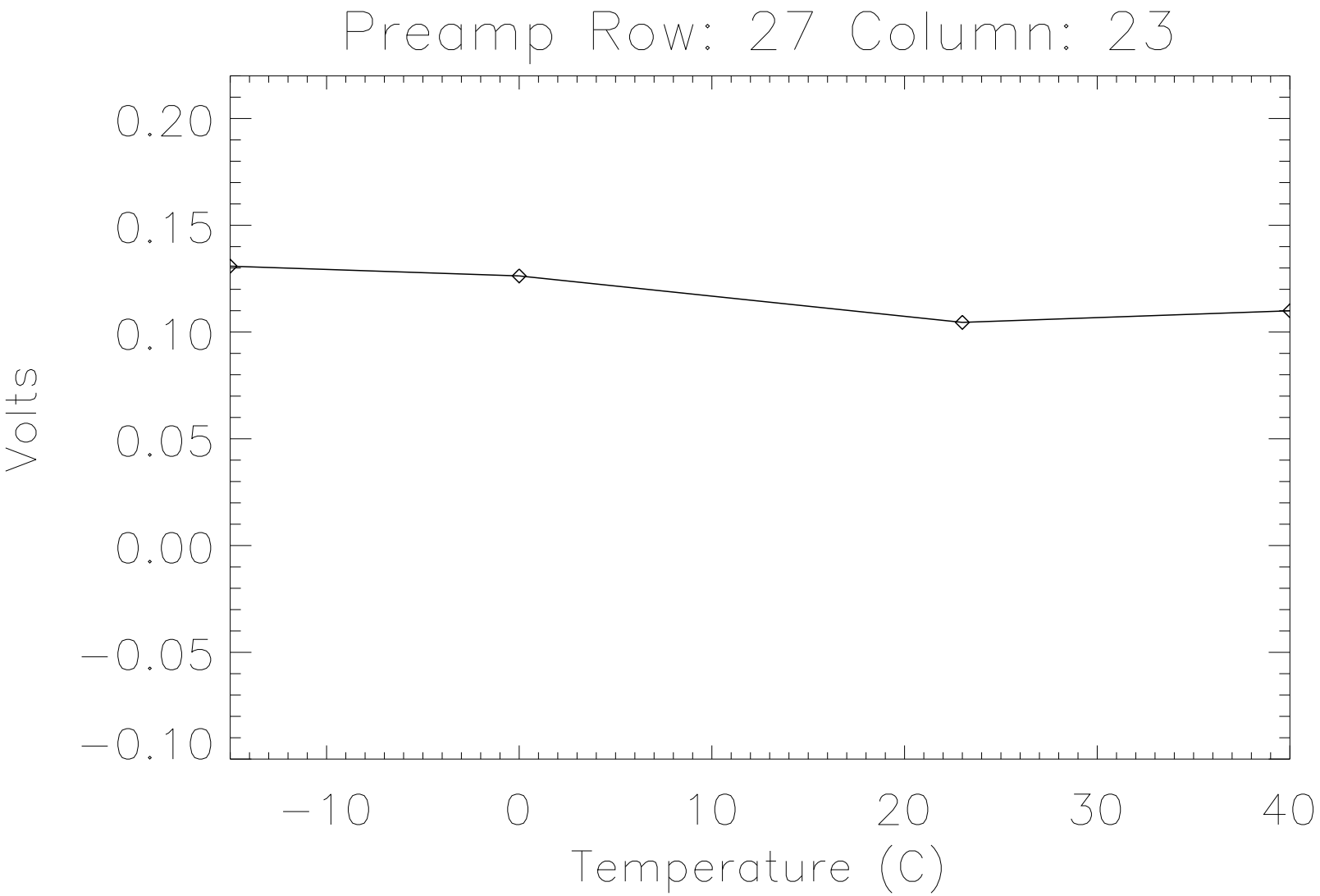
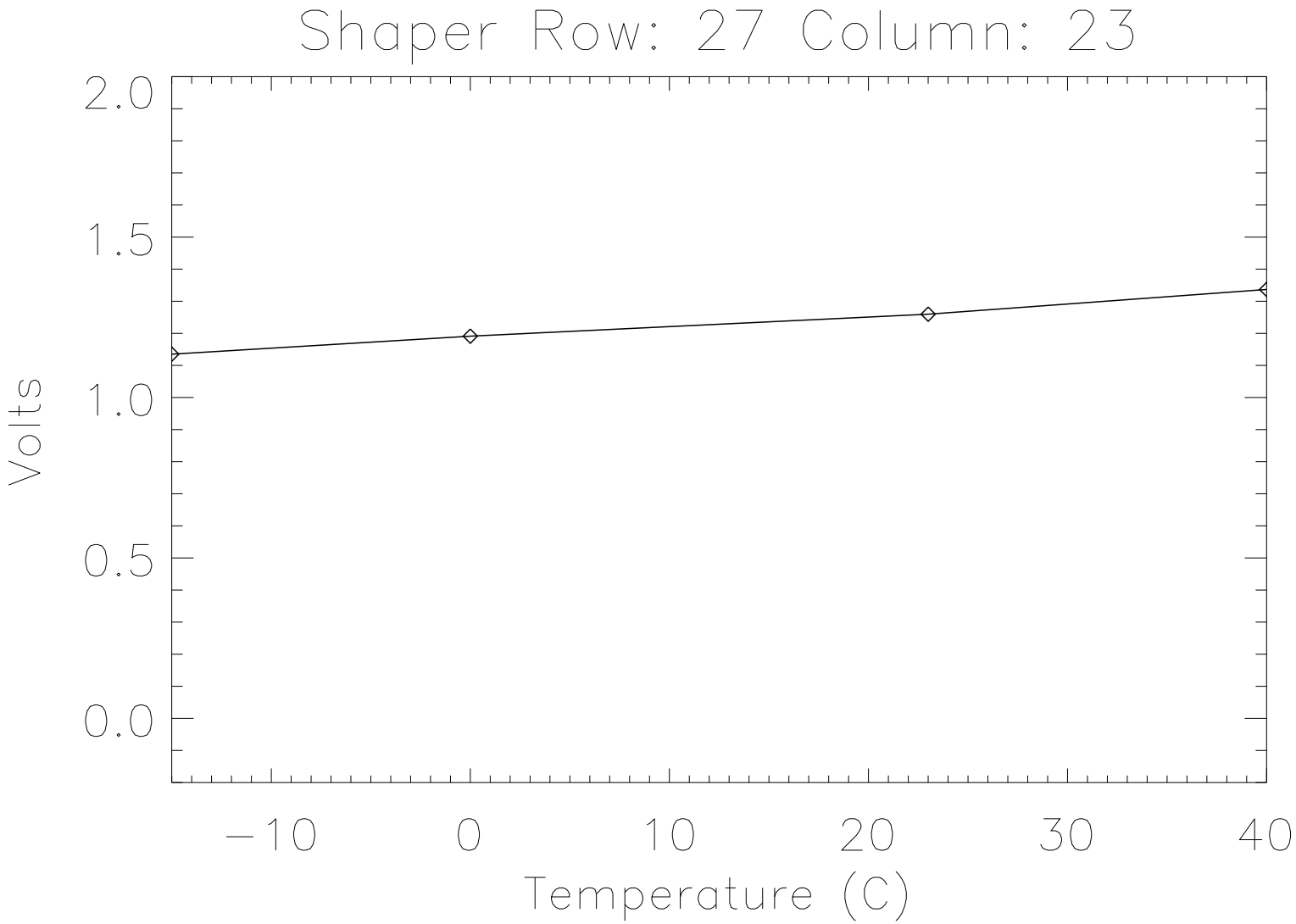
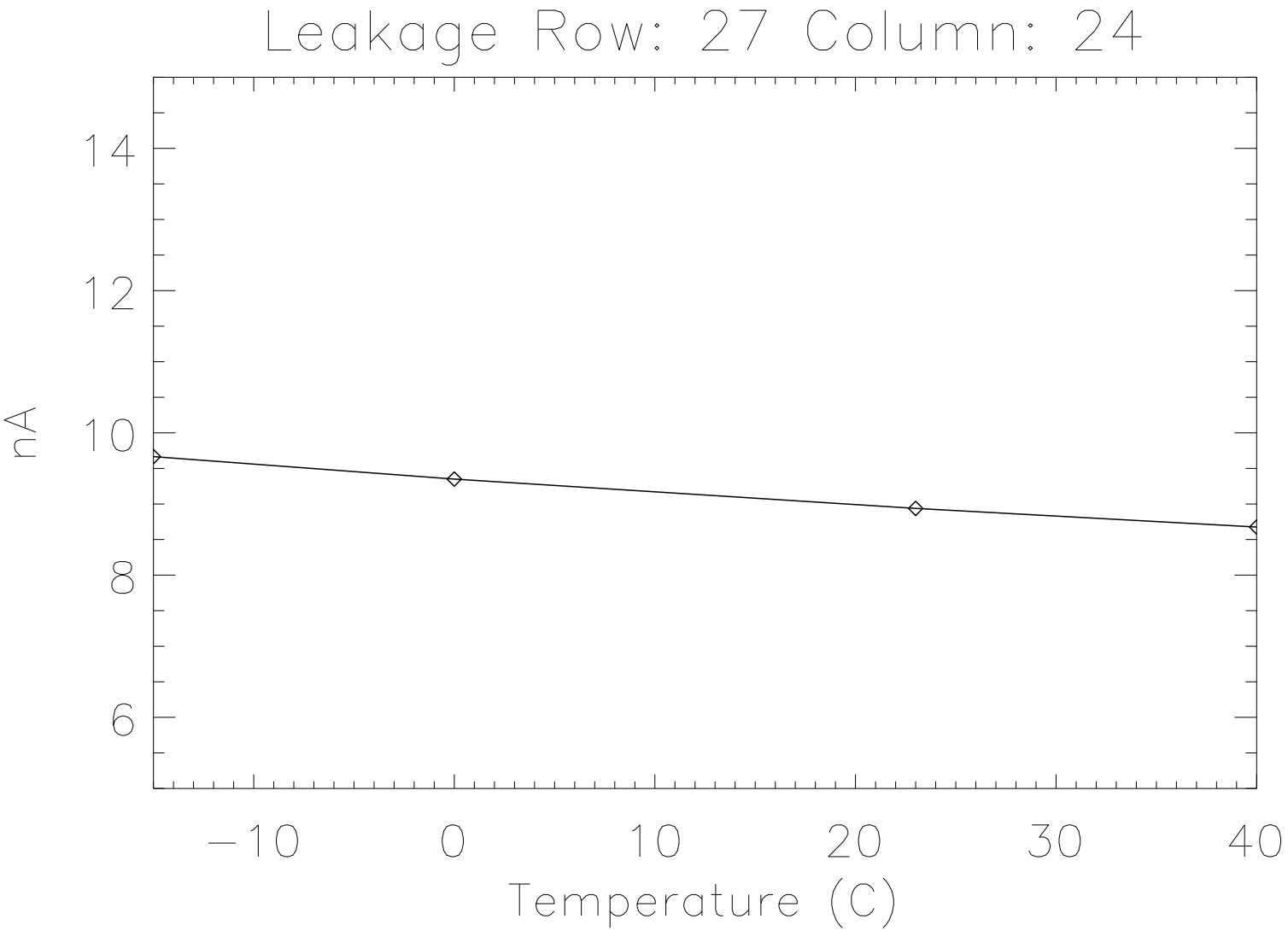
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

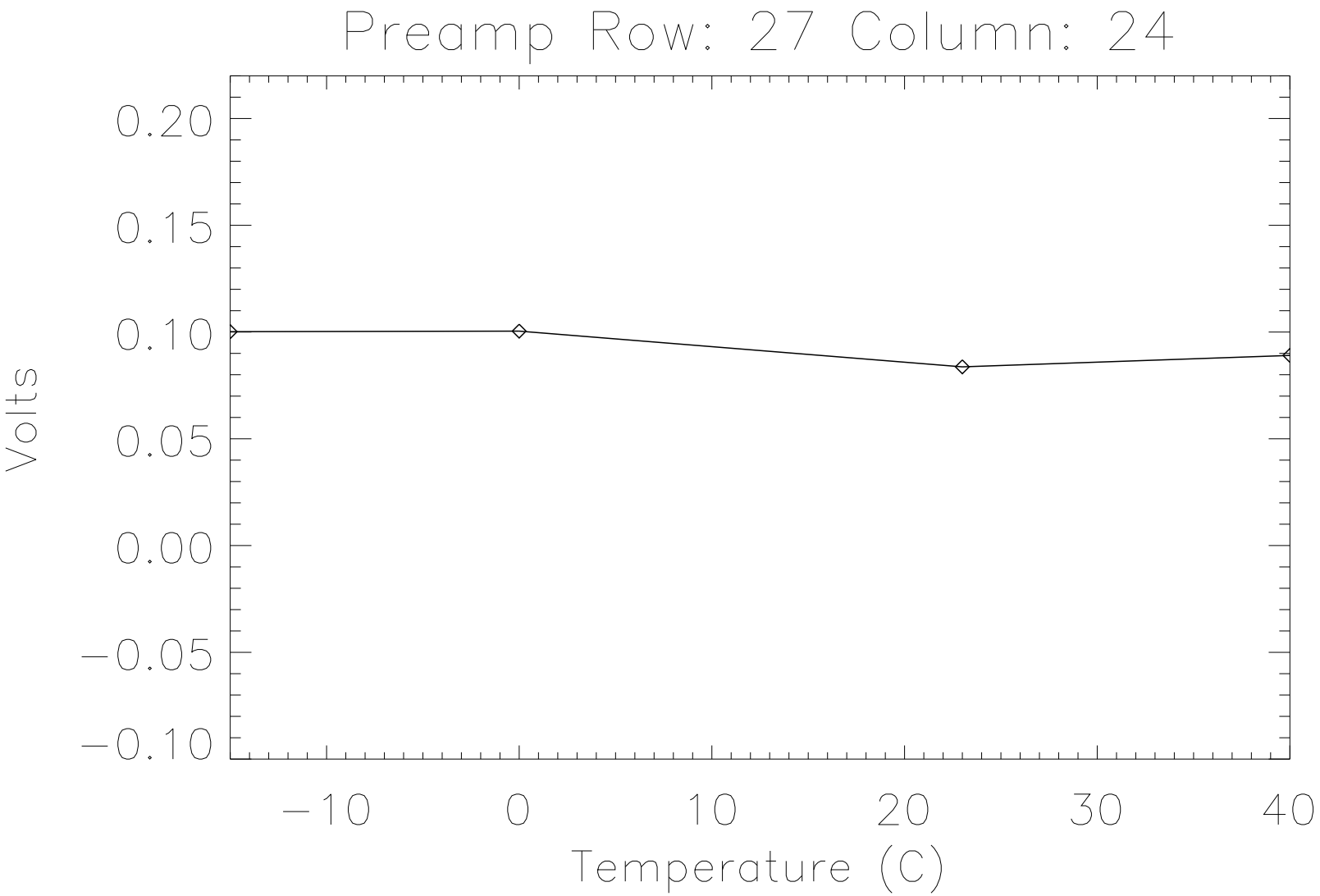

Shaper Row: 27 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

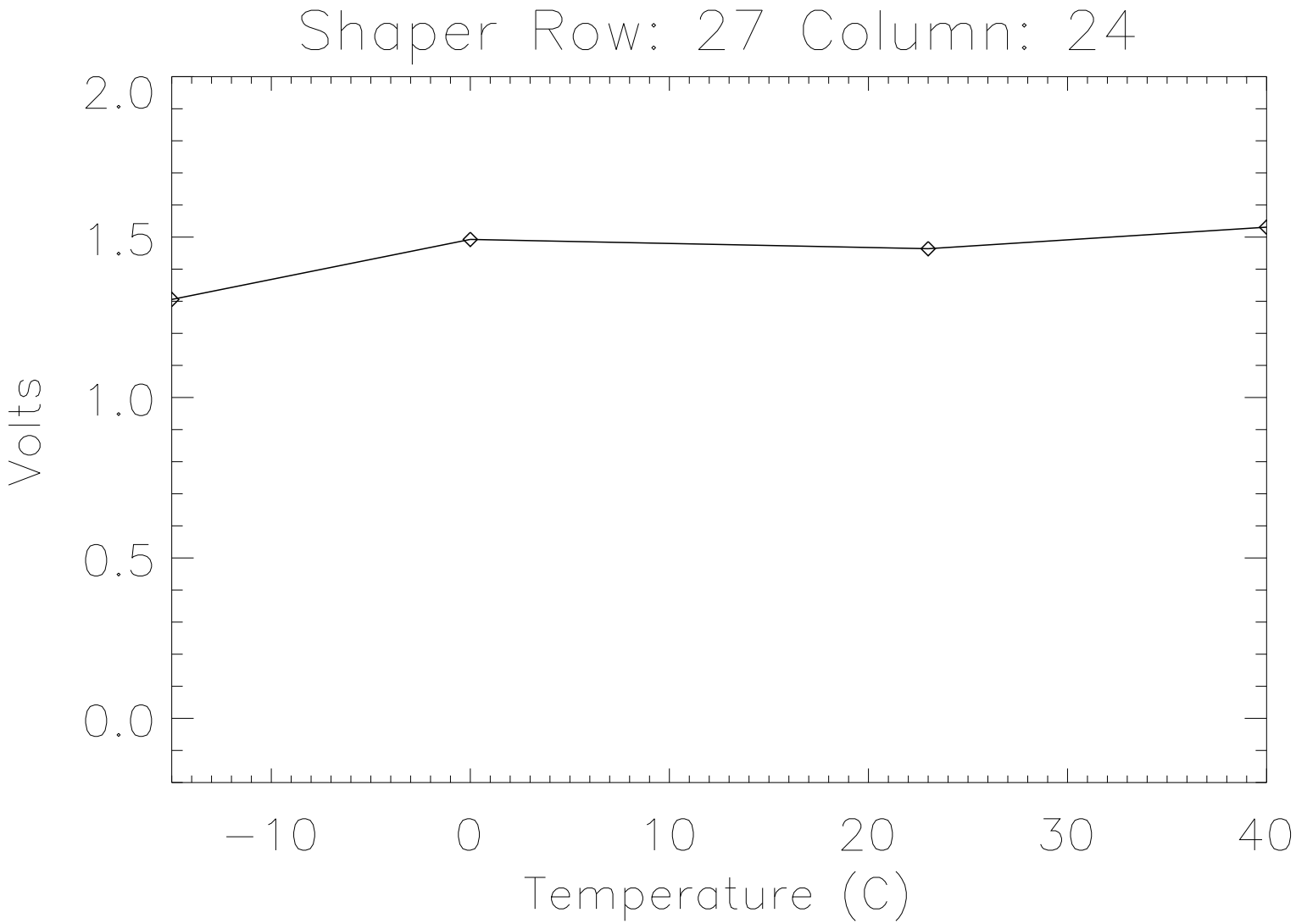

Leakage Row: 27 Column: 23
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

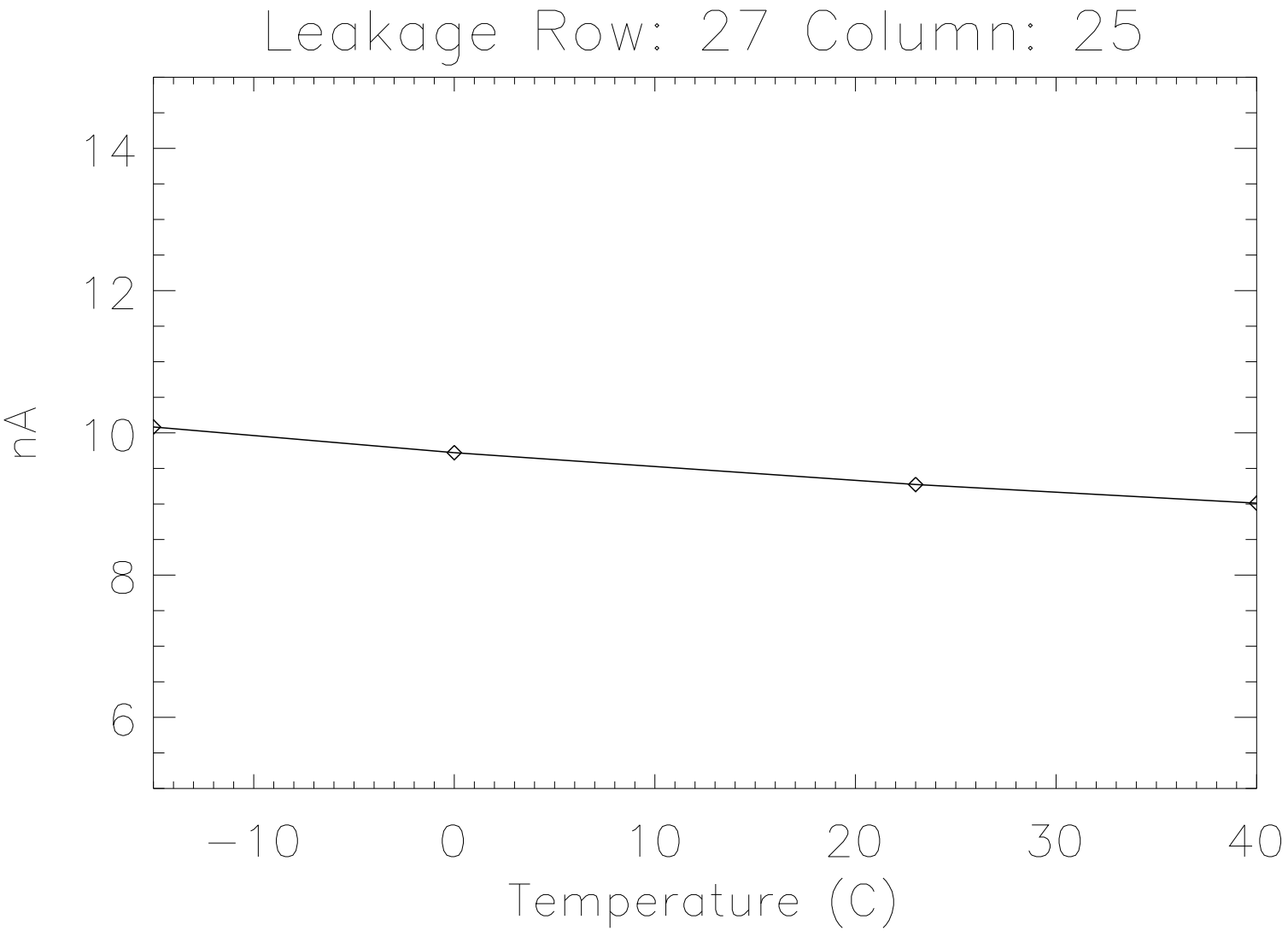

Preamp Row: 27 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 27 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 27 Column: 25
nA
14
12
10
8
6
−10
0
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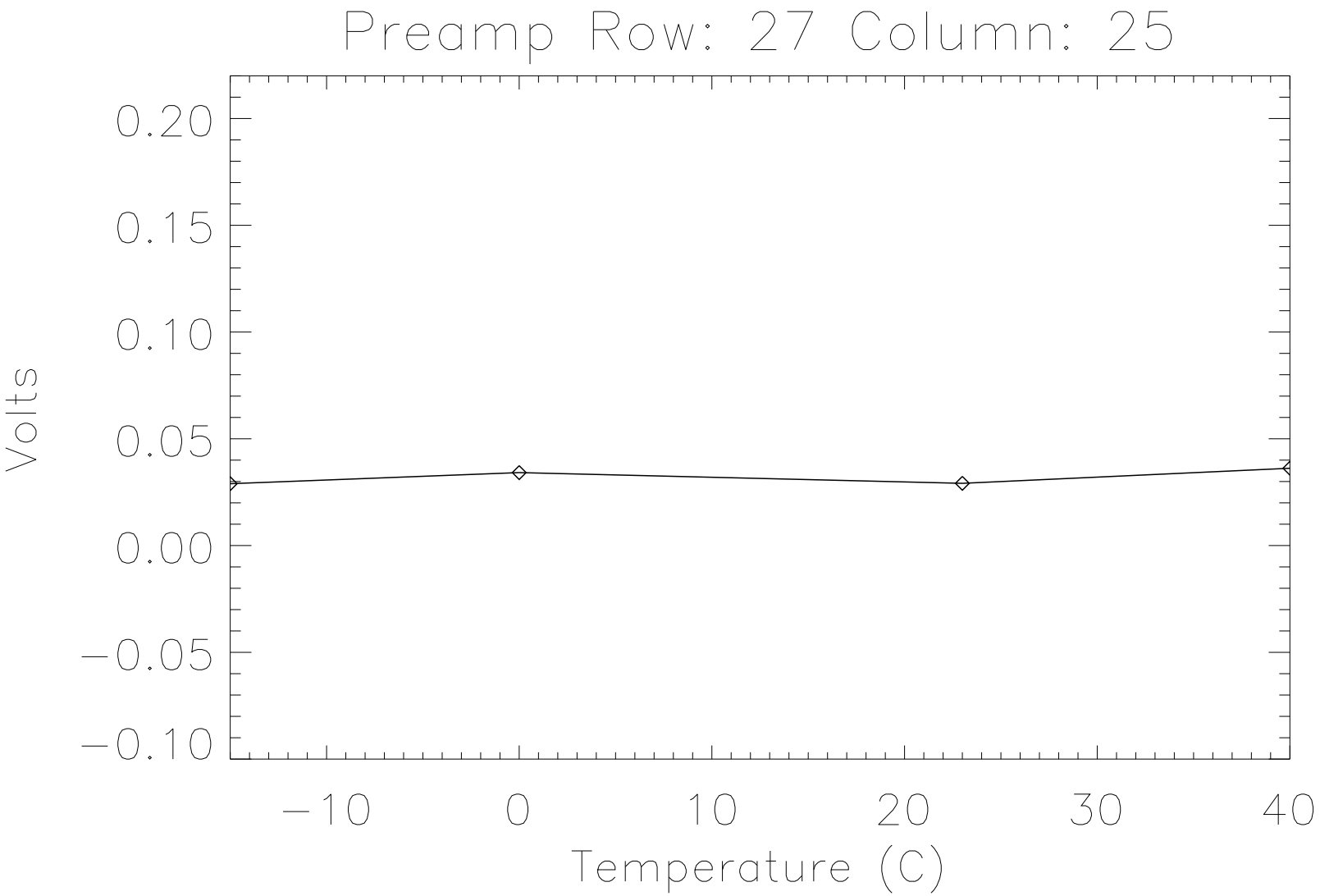
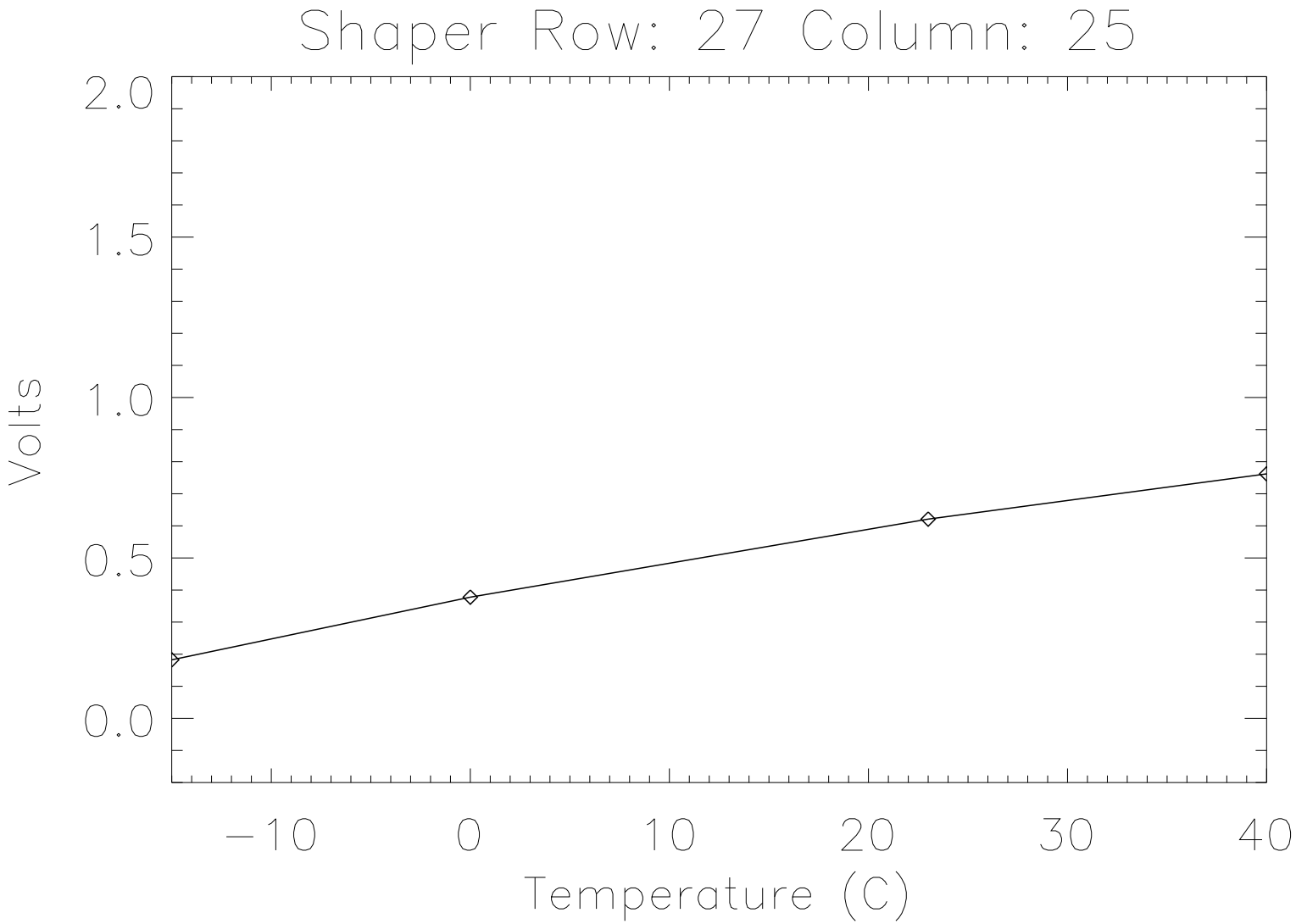
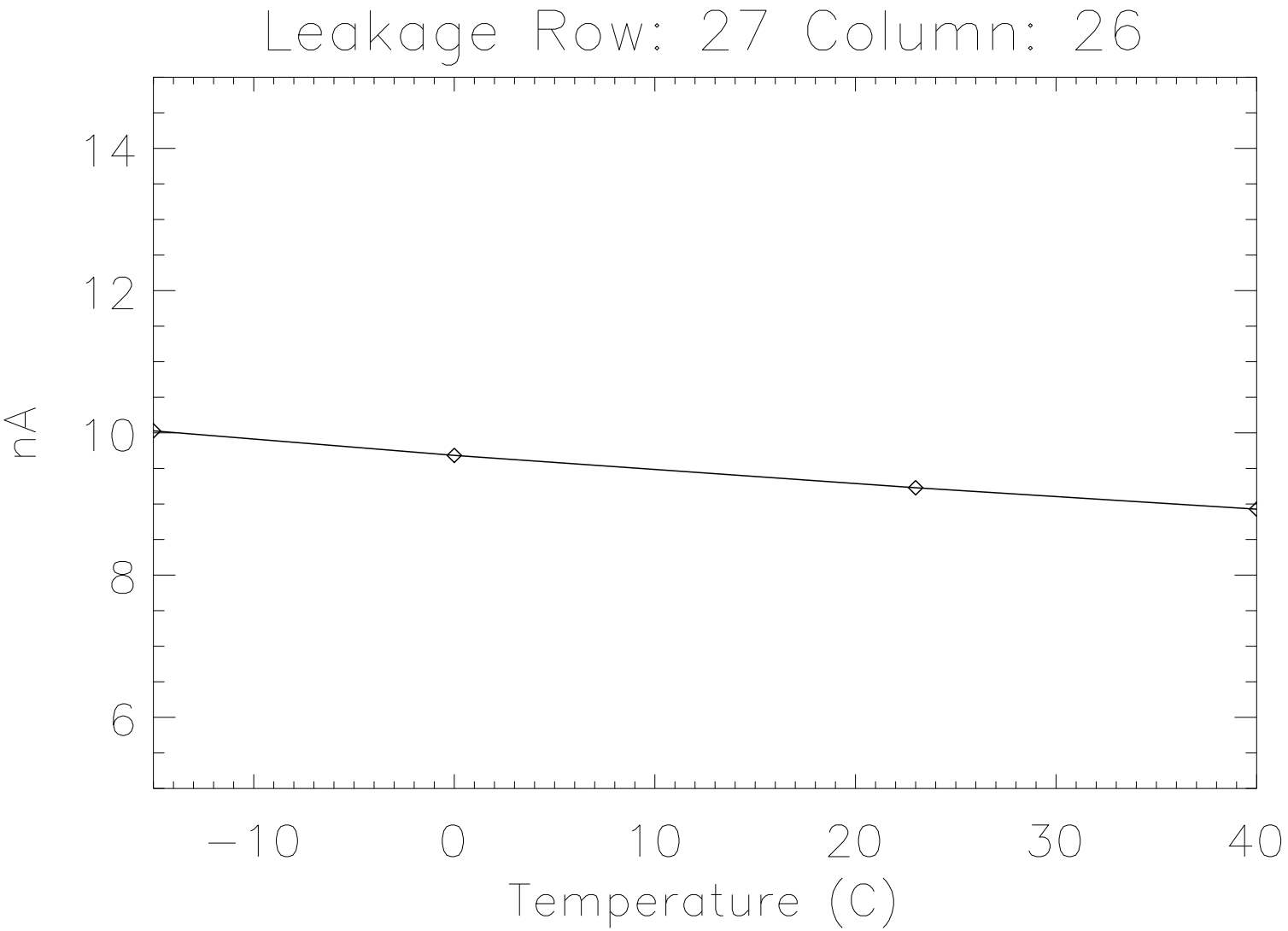
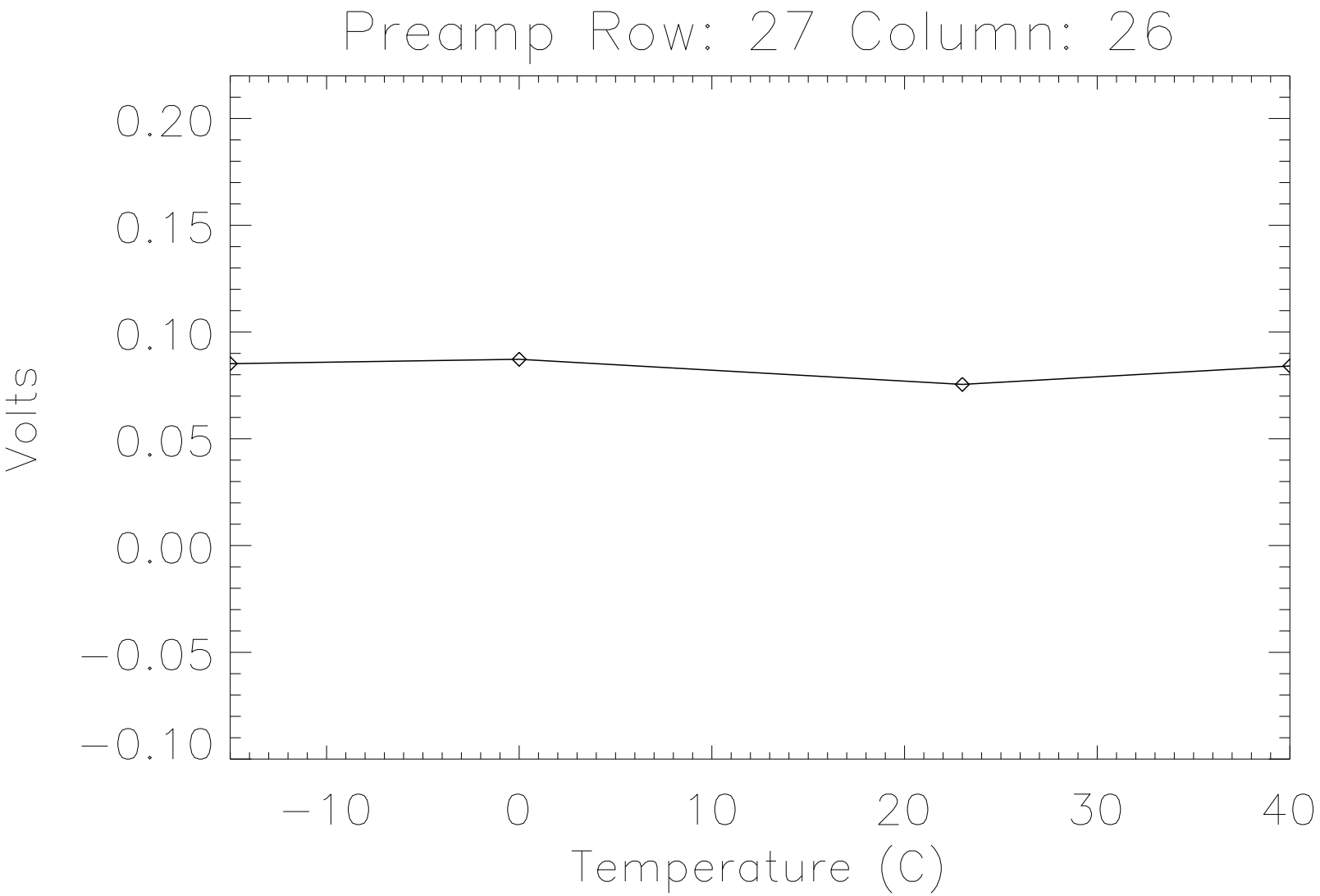
20
30
40
Temperature (C)


Preamp Row: 27 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 27 Column: 26
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 26
0.20
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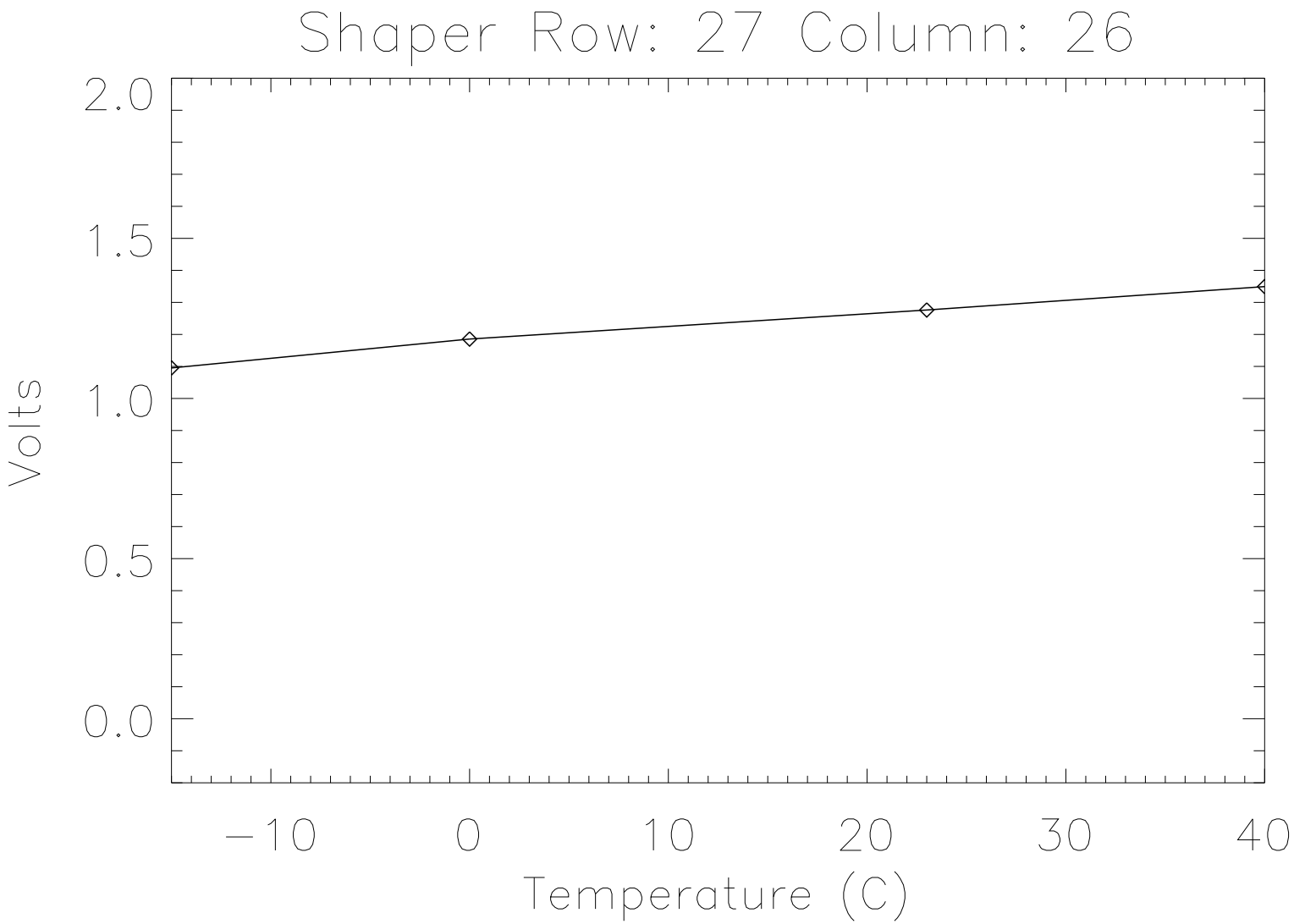
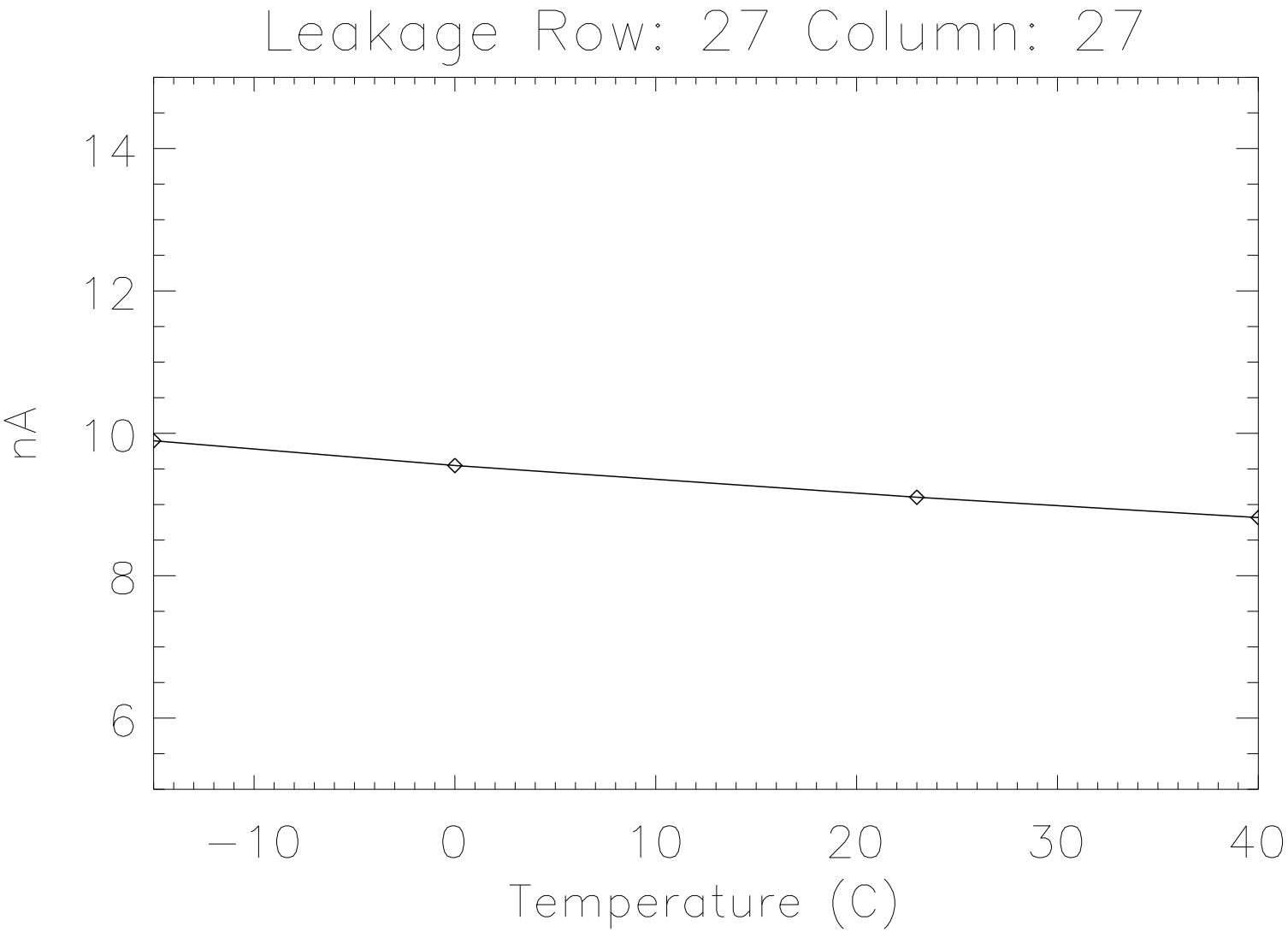
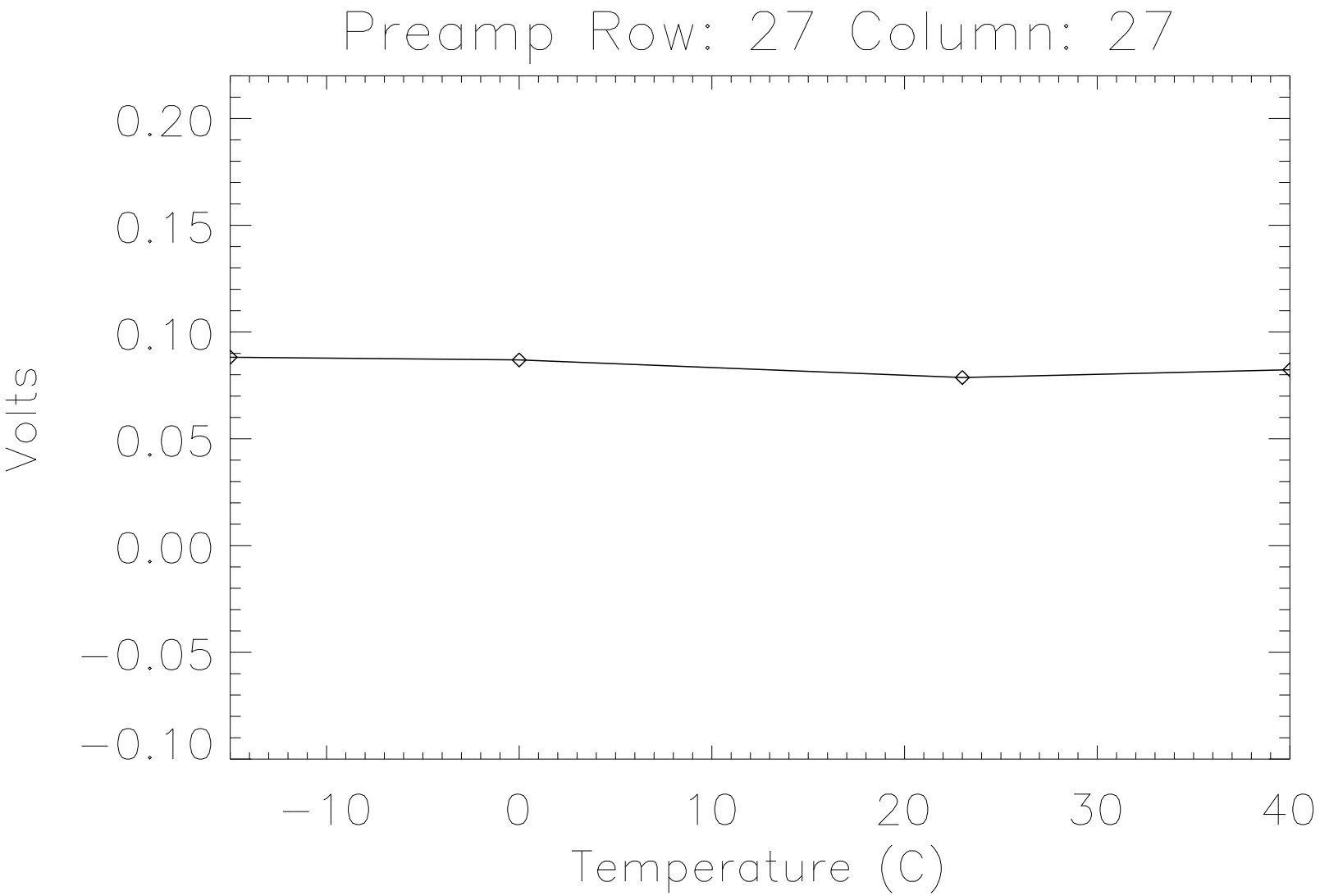
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 27 Column: 27
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 27
0.20
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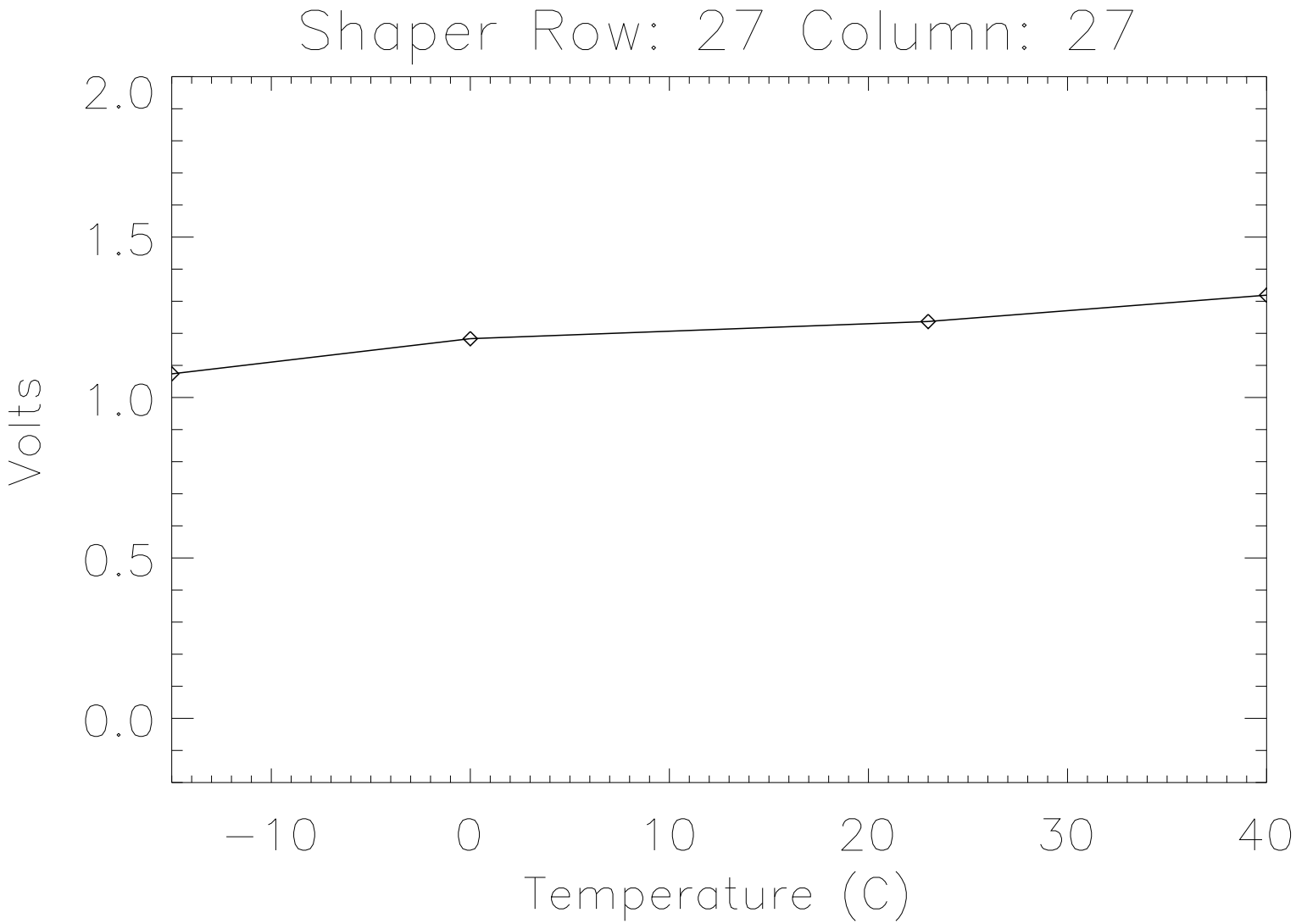
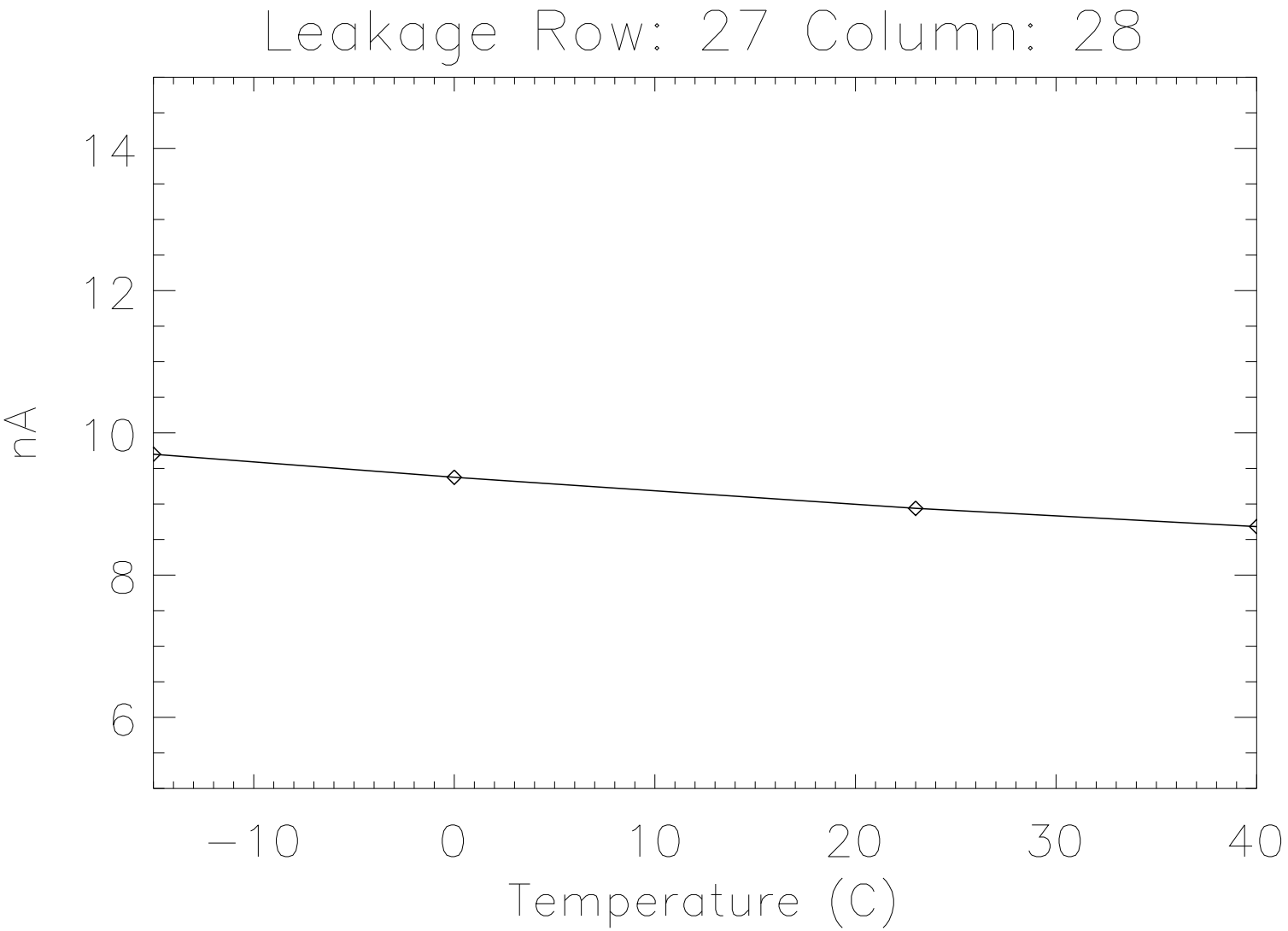
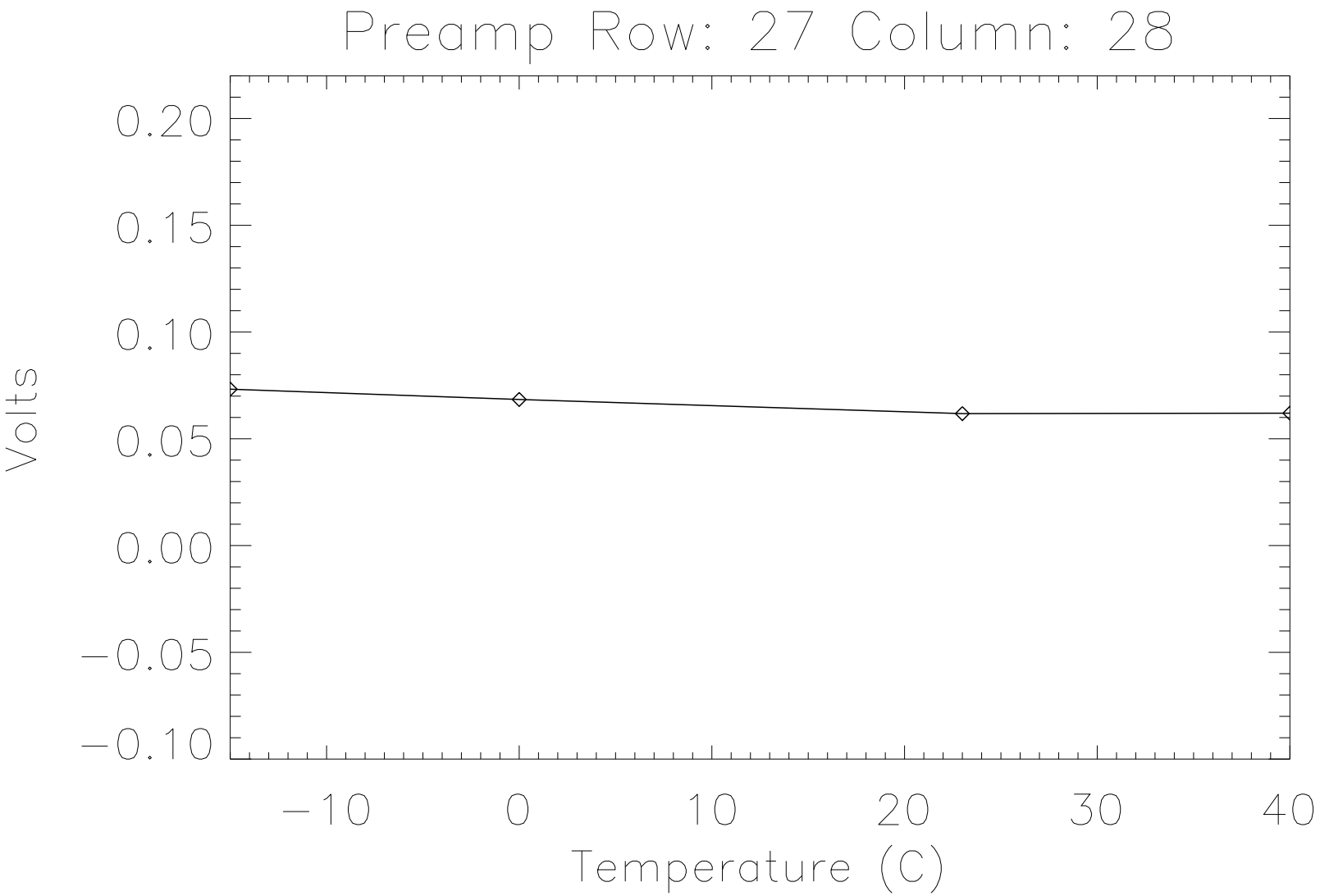
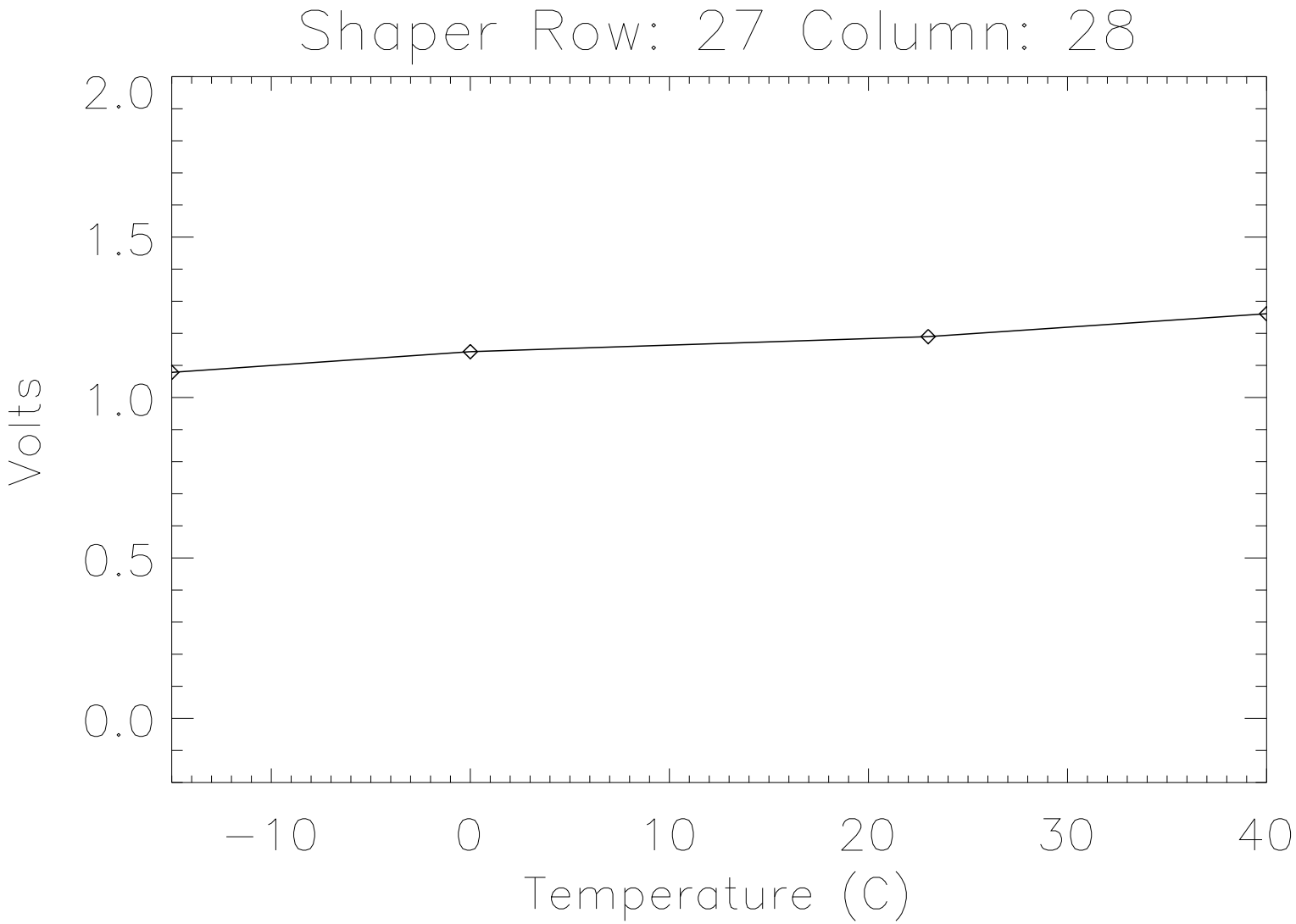
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 27 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 28
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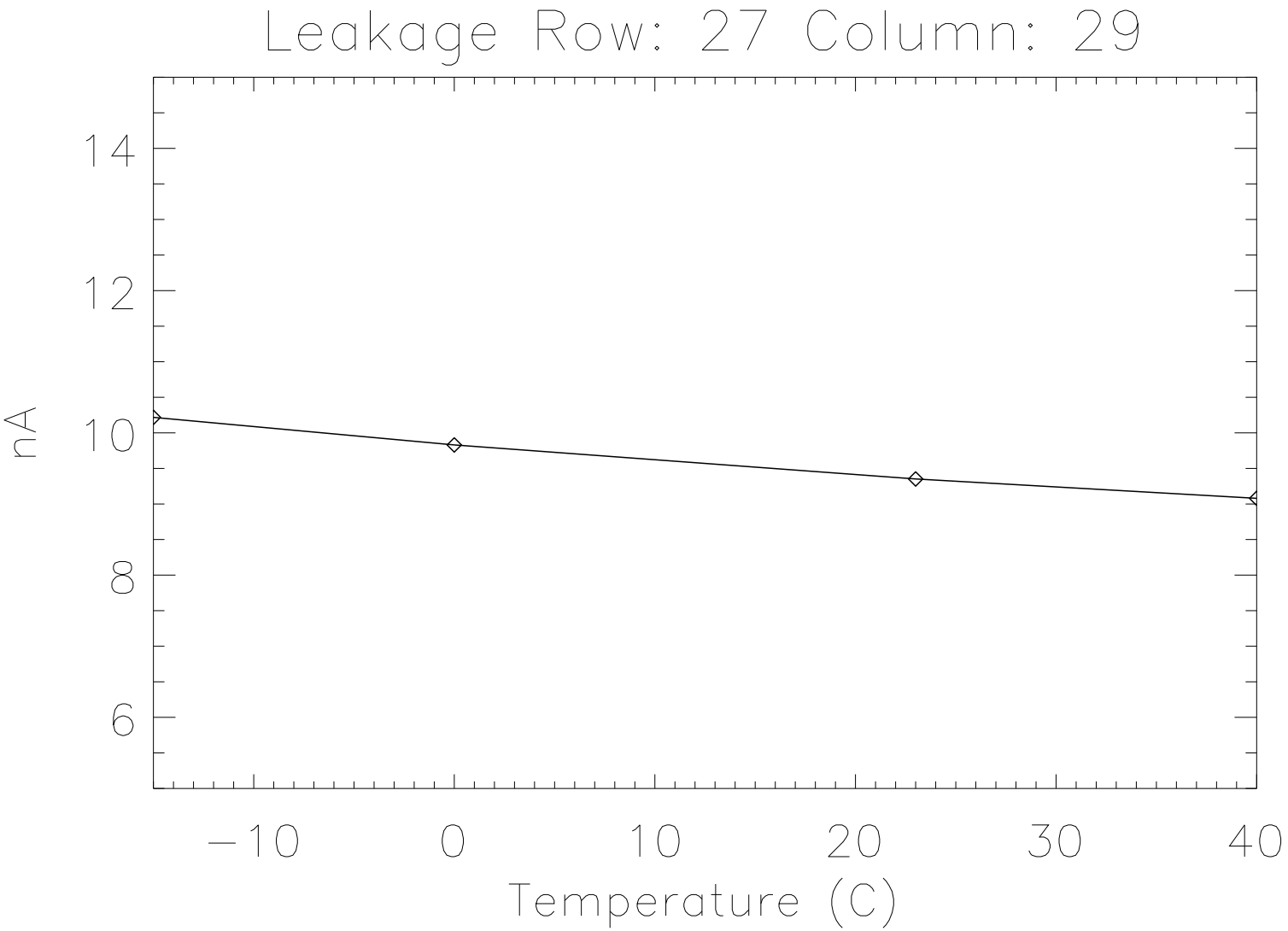
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 27 Column: 29
nA
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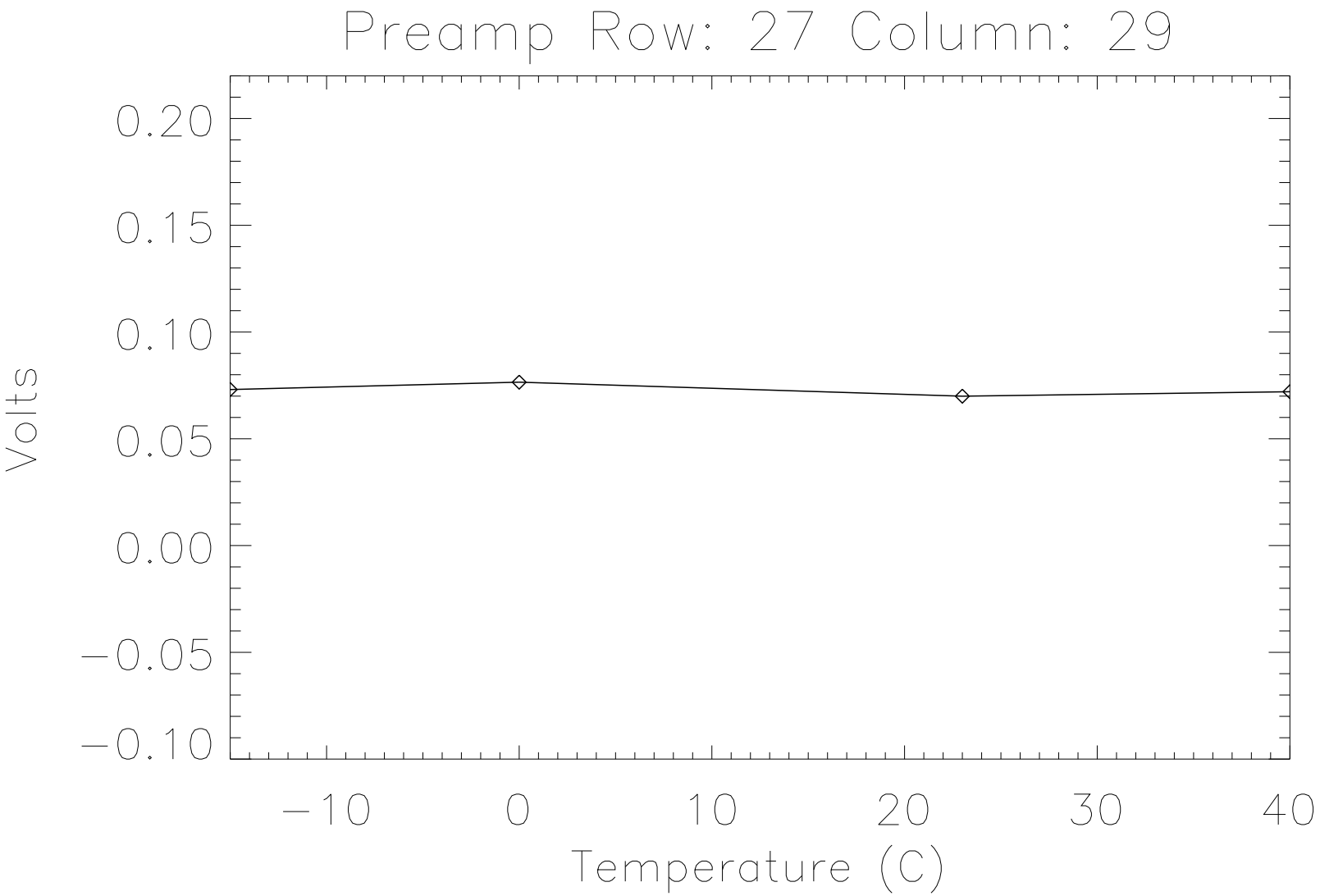
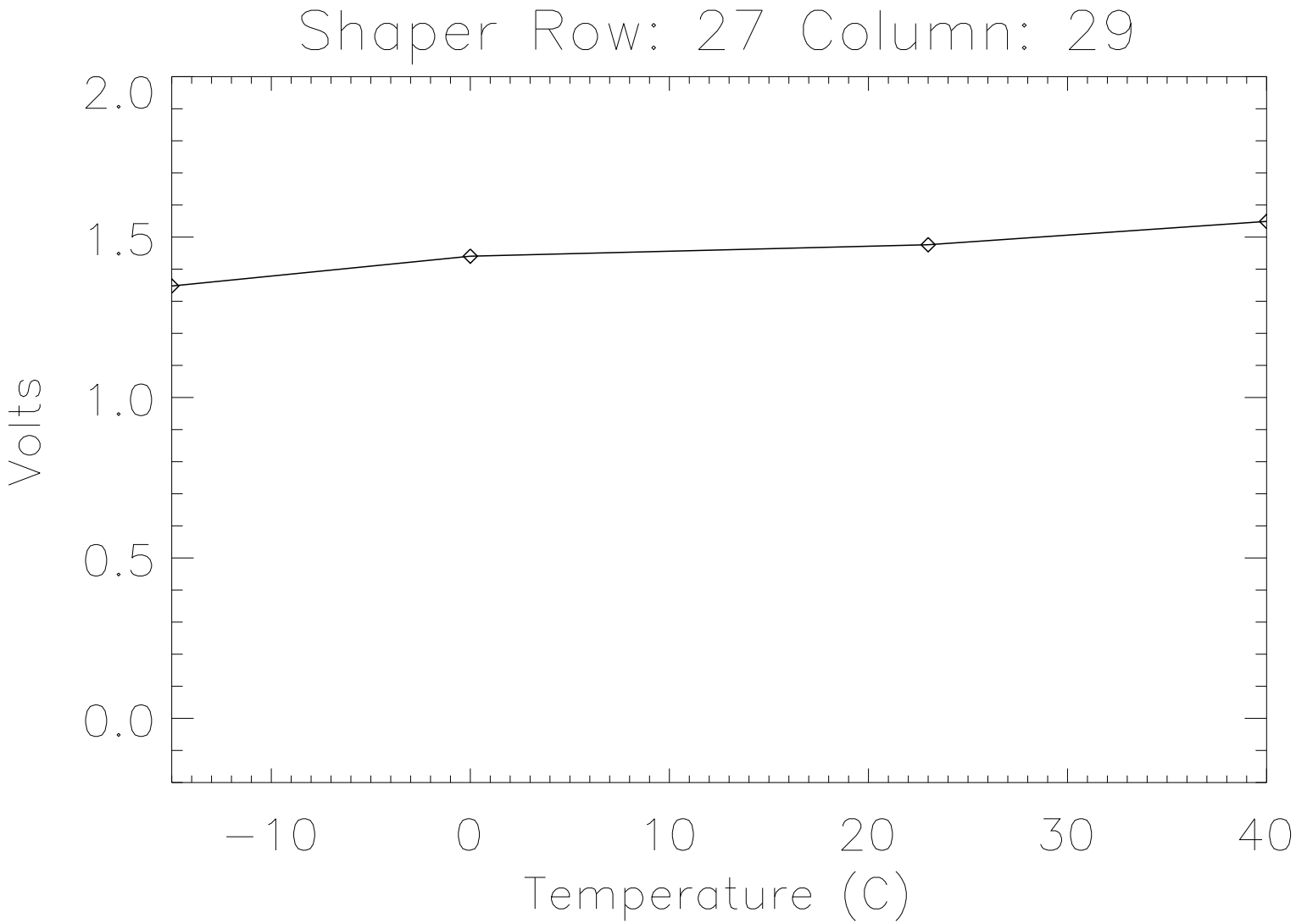
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 27 Column: 29
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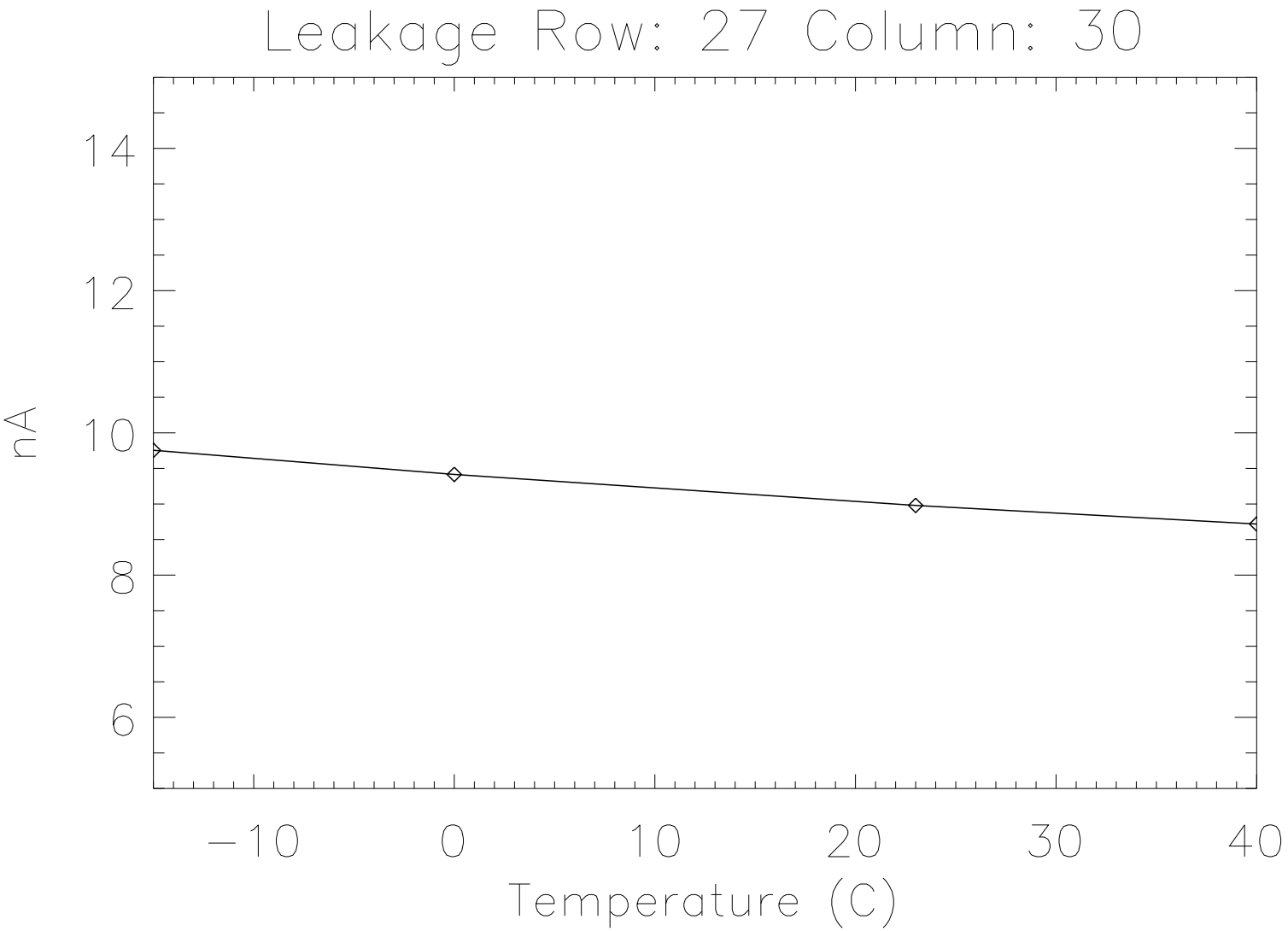
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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8
6
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0
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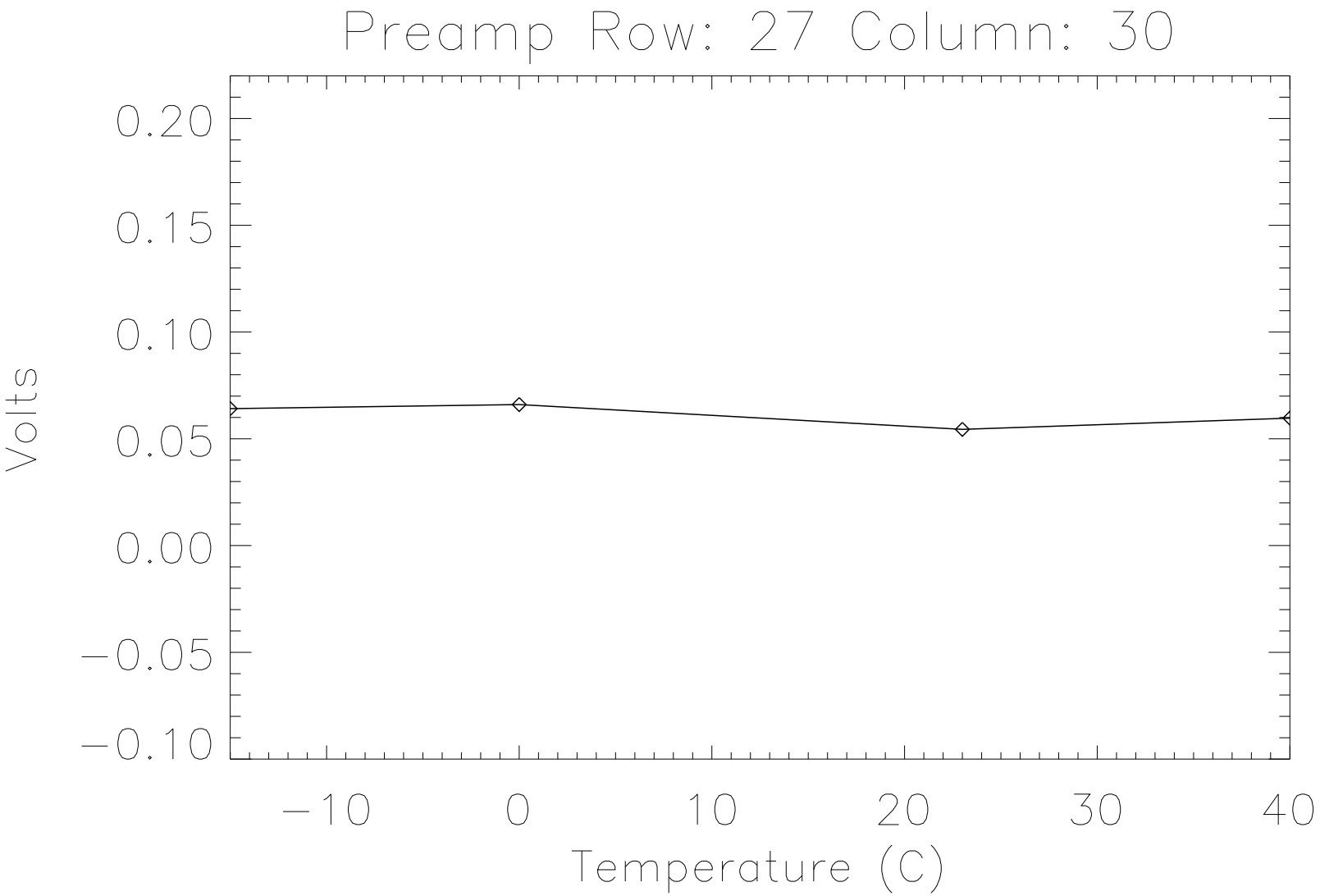
20
30
40
Temperature (C)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0.10
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−0.10
Volts
−10
0
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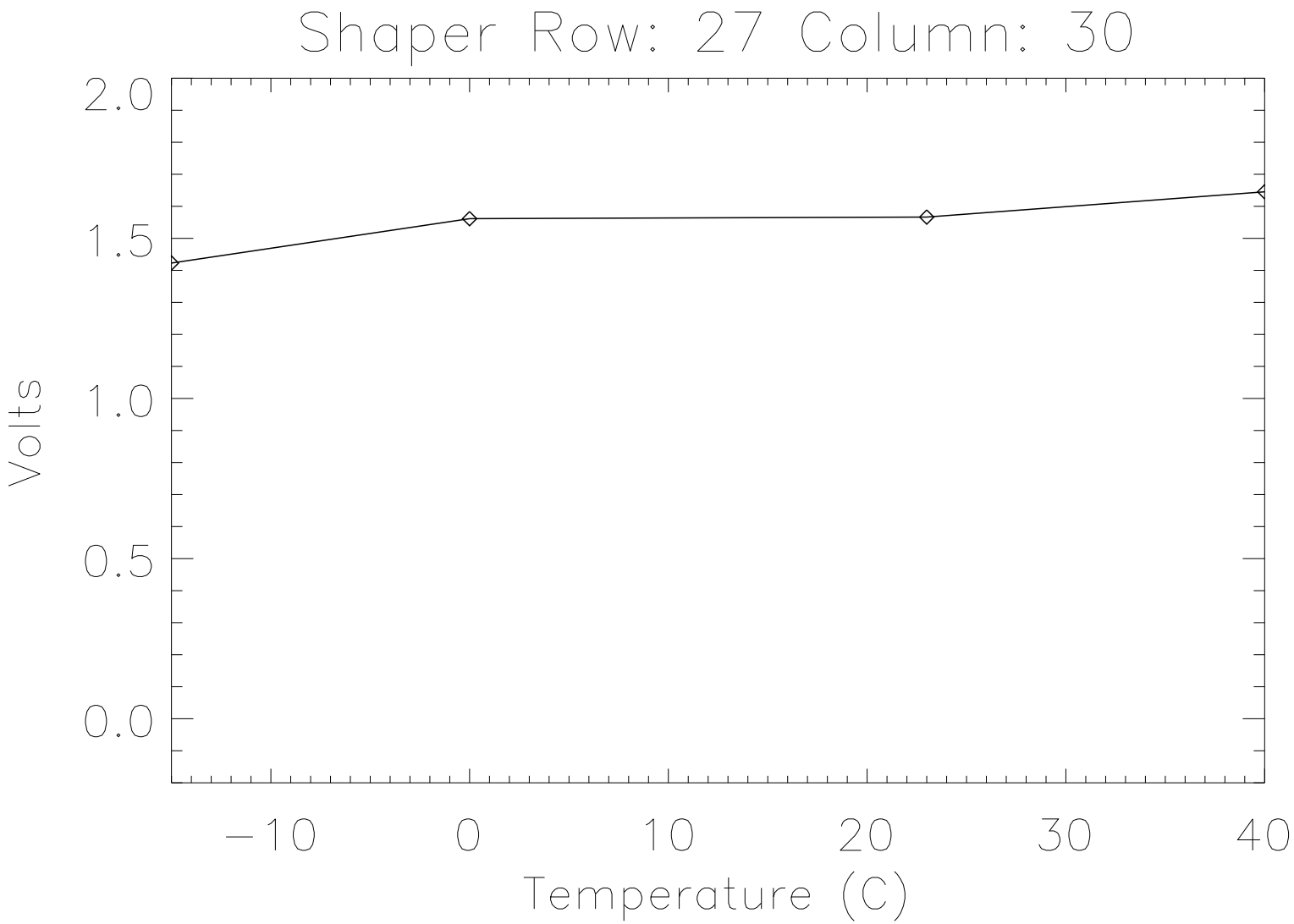
30
40
Temperature (C)


Shaper Row: 27 Column: 30
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1.0
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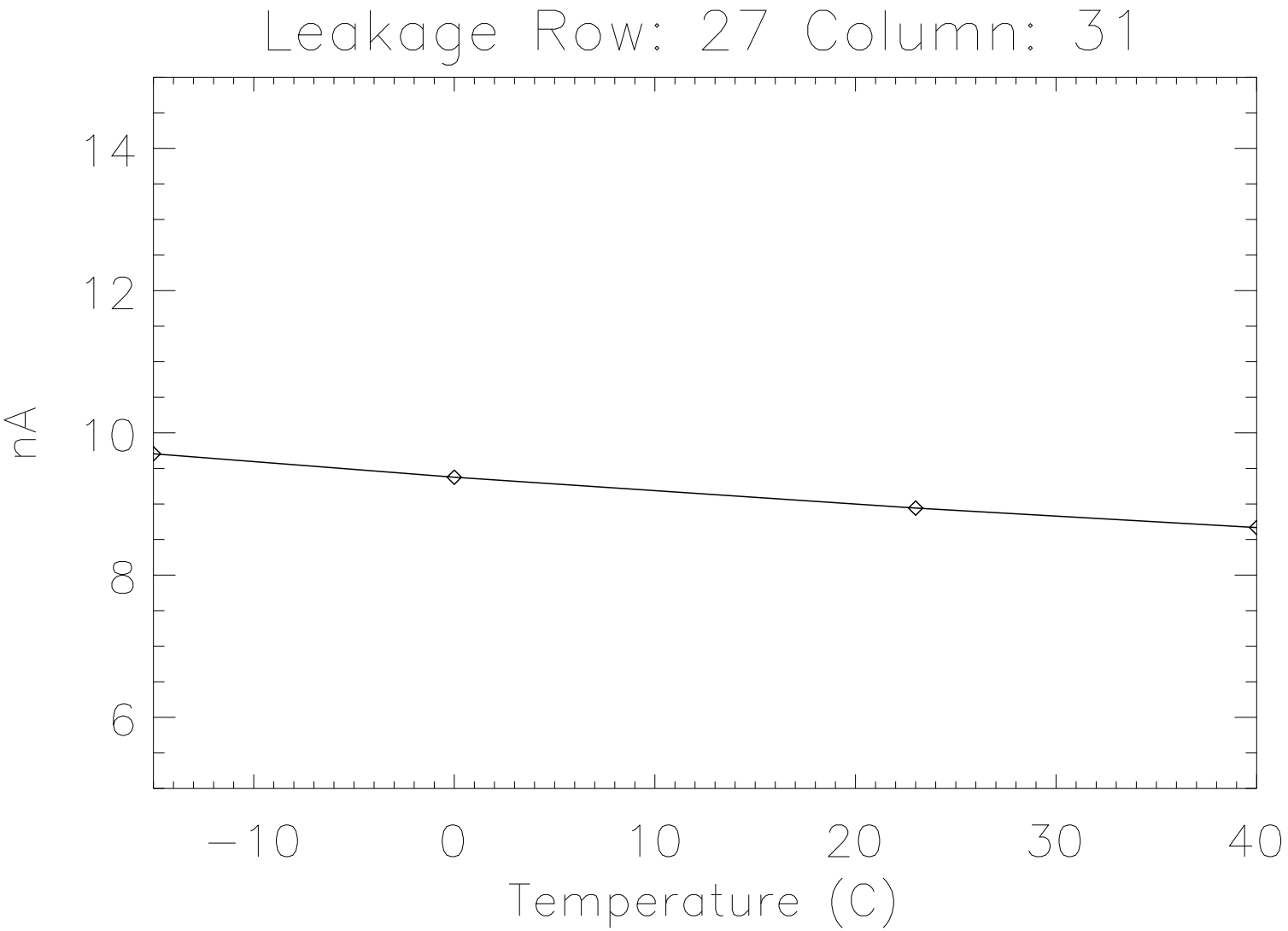
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 27 Column: 31
nA
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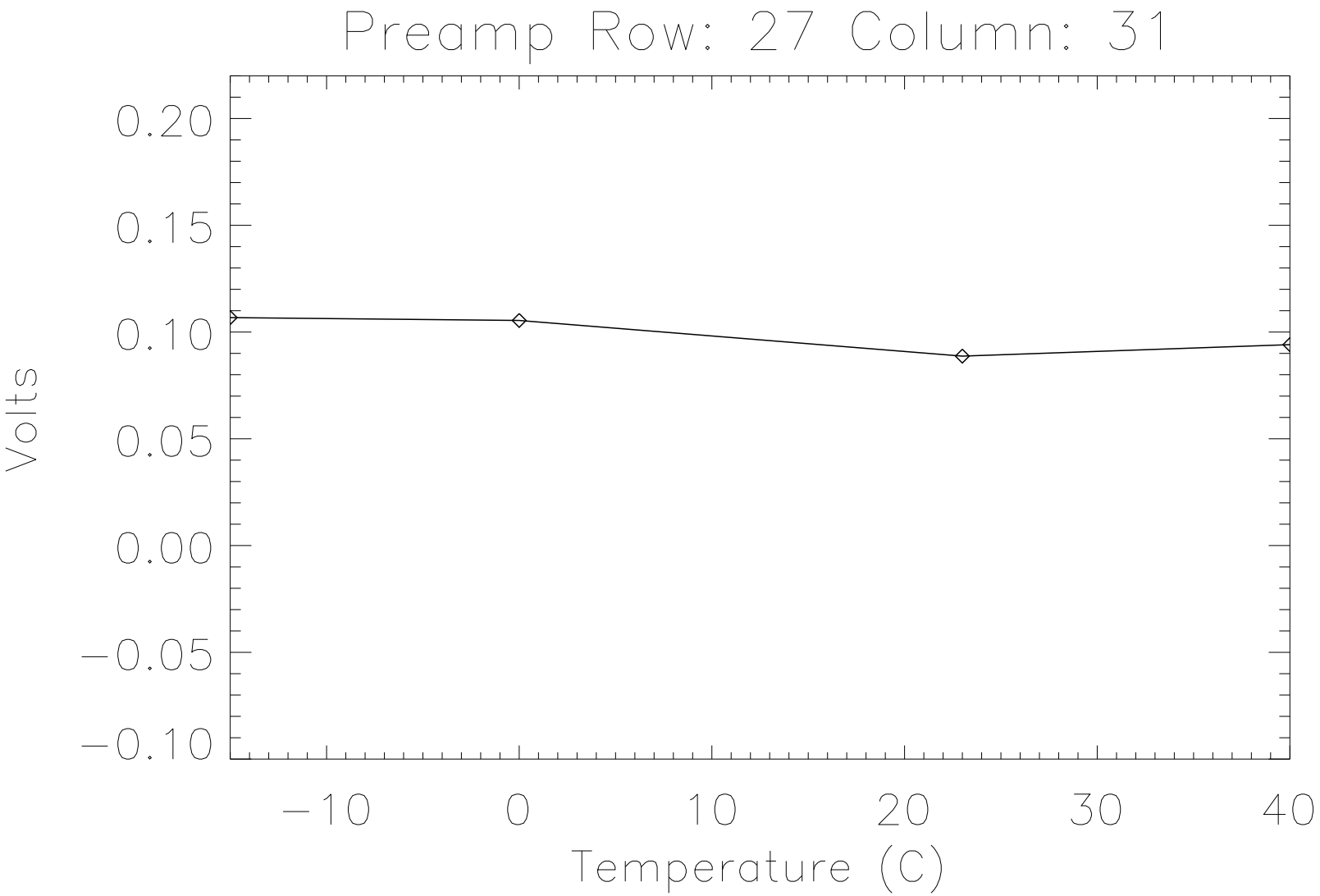
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 27 Column: 31
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Volts
−10
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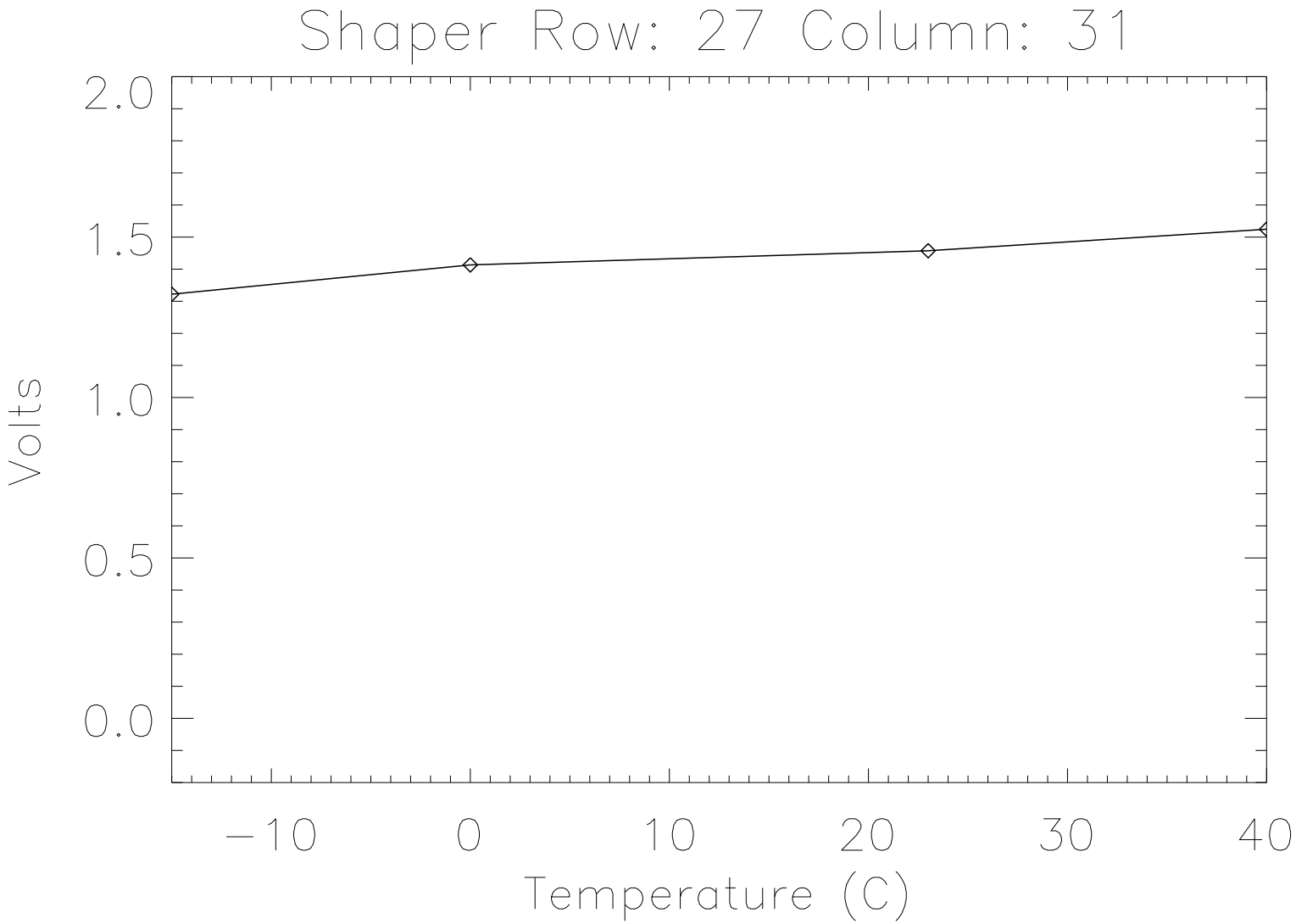
30
40
Temperature (C)


Shaper Row: 27 Column: 31
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1.5
1.0
0.5
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Volts
−10
0
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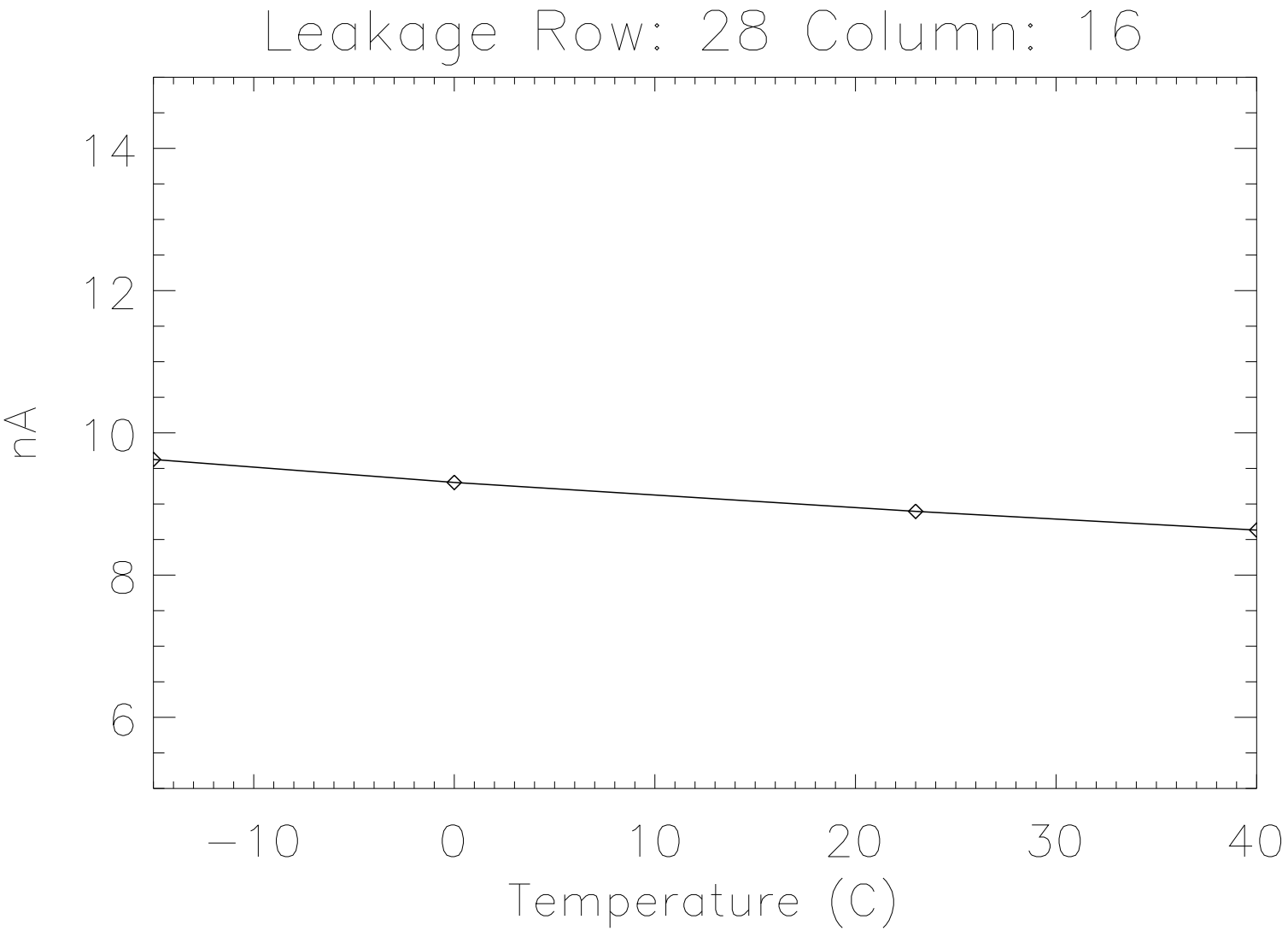
30
40
Temperature (C)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nA
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12
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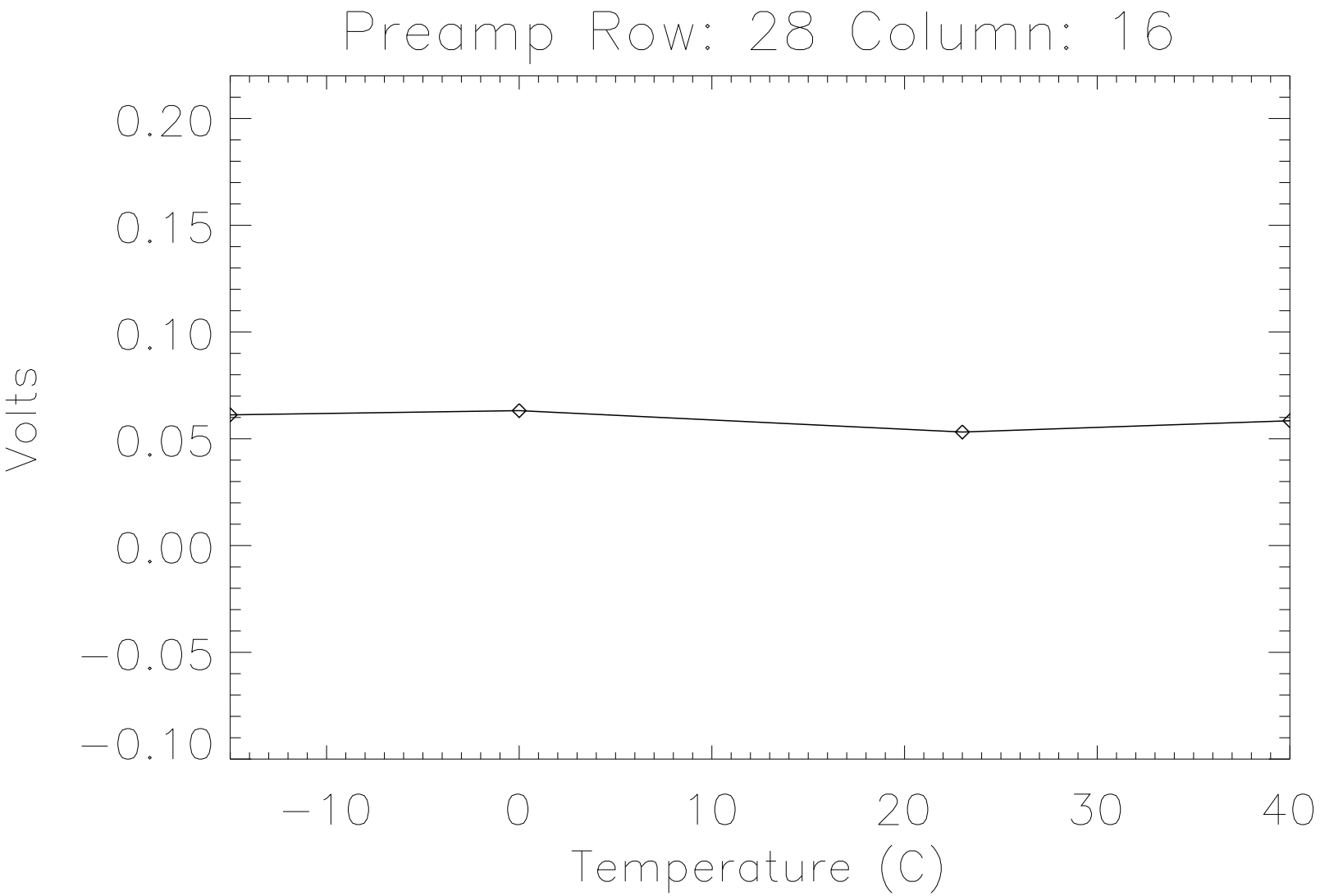
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 16
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0.10
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0.00
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−0.10
Volts
−10
0
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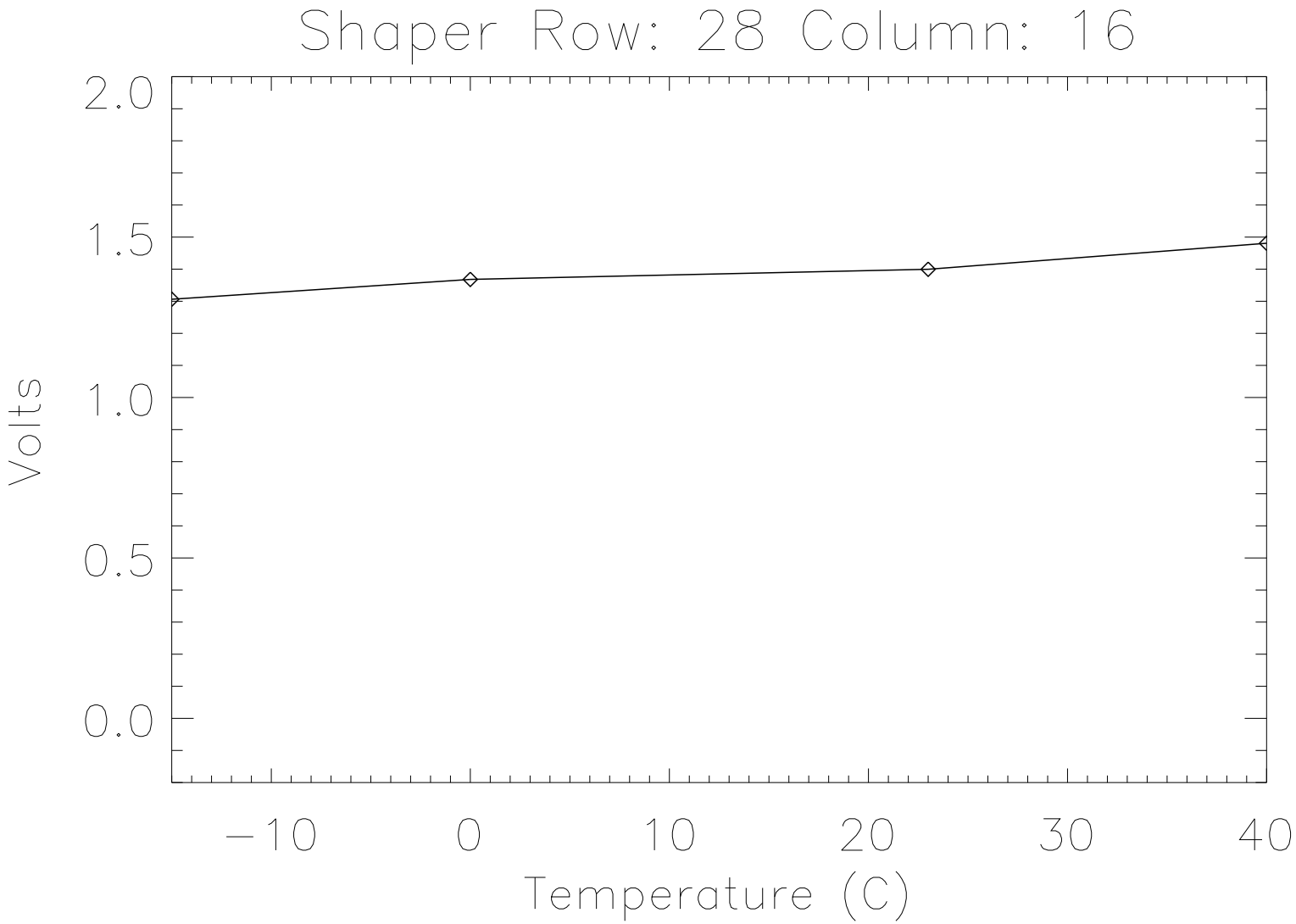
20
30
40
Temperature (C)


Shaper Row: 28 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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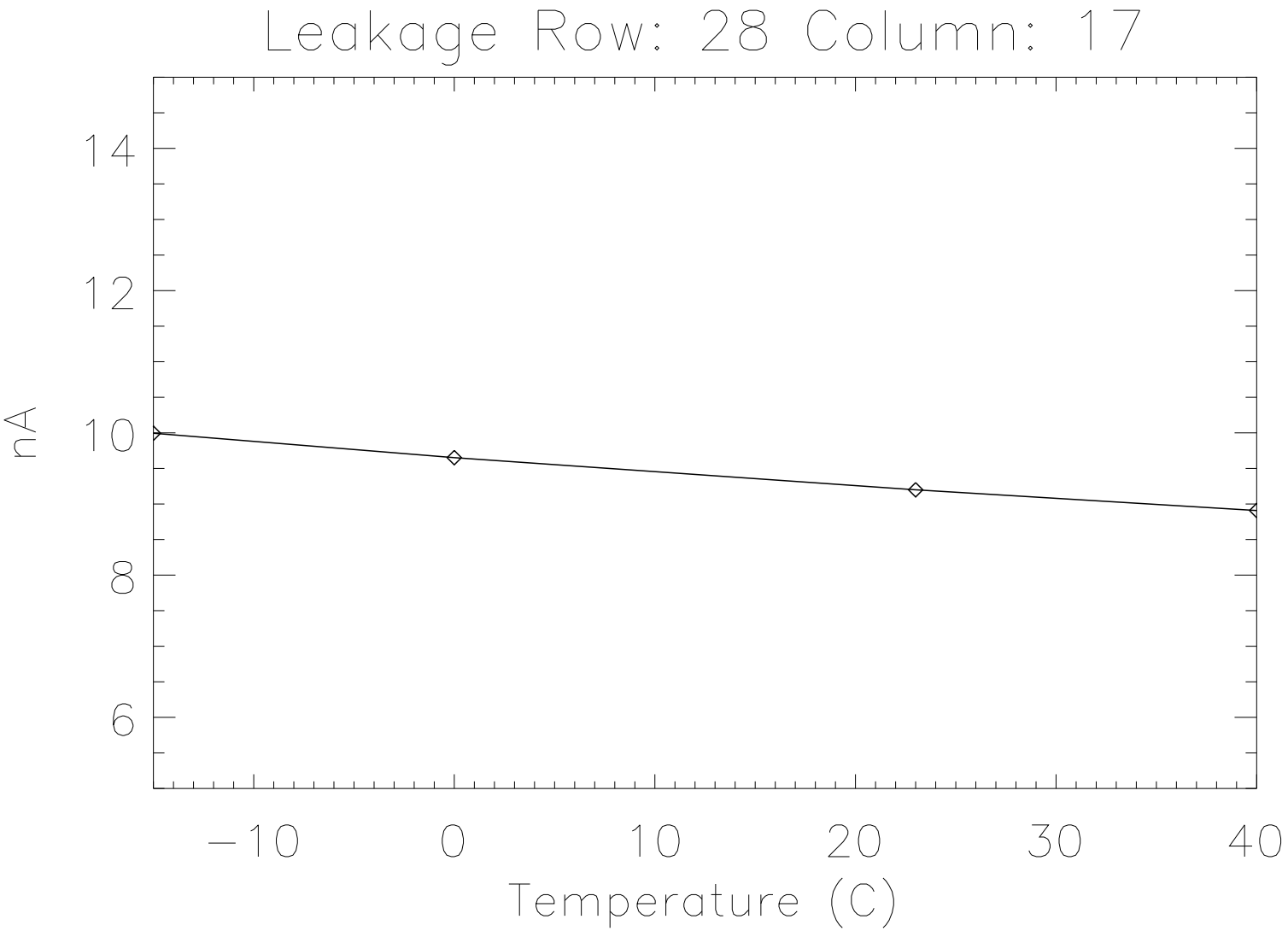
30
40
Temperature (C)


Leakage Row: 28 Column: 17
14
12
10
8
6
nA
−10
0
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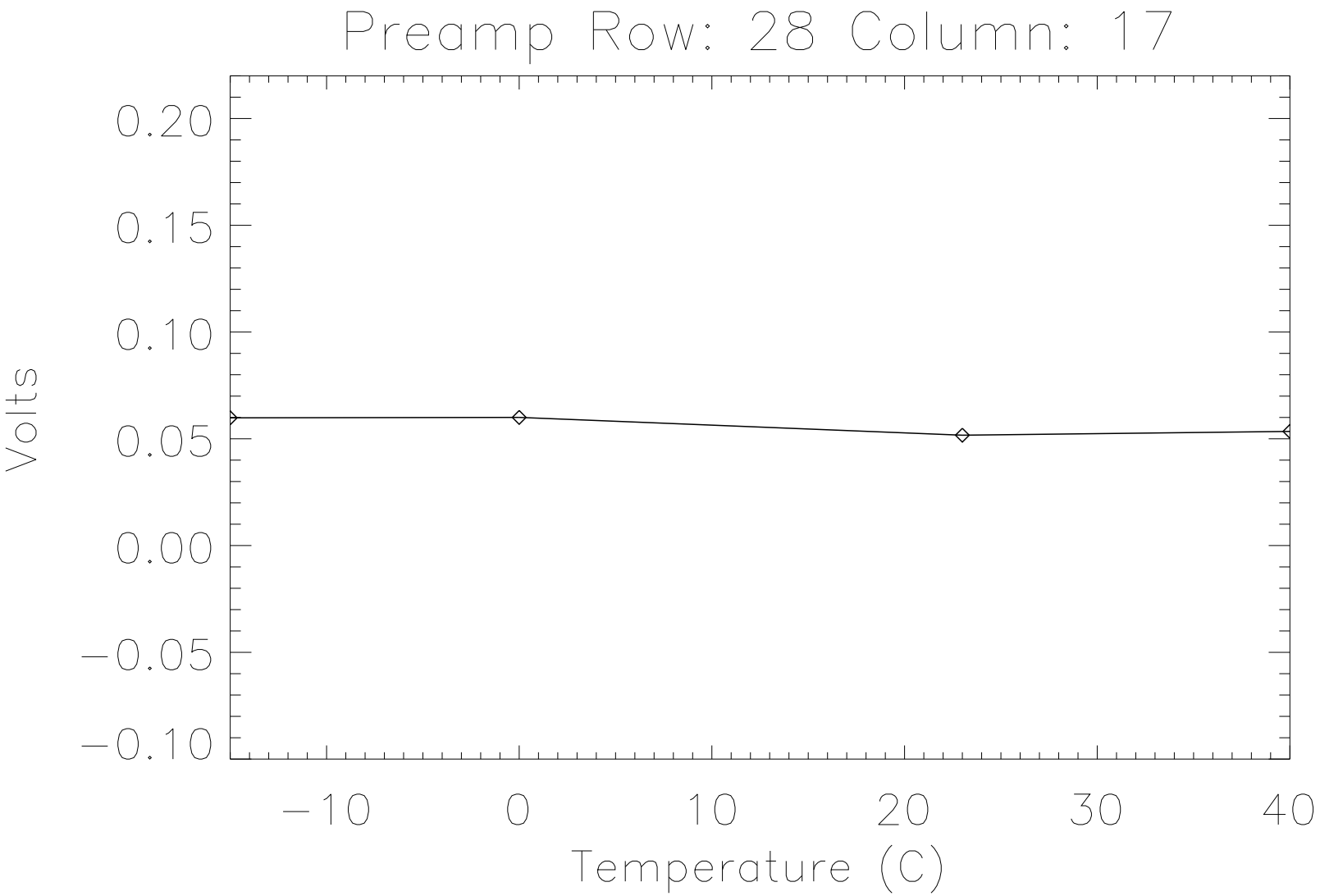
20
30
40
Temperature (C)


Preamp Row: 28 Column: 17
0.20
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0.10
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−0.05
−0.10
Volts
−10
0
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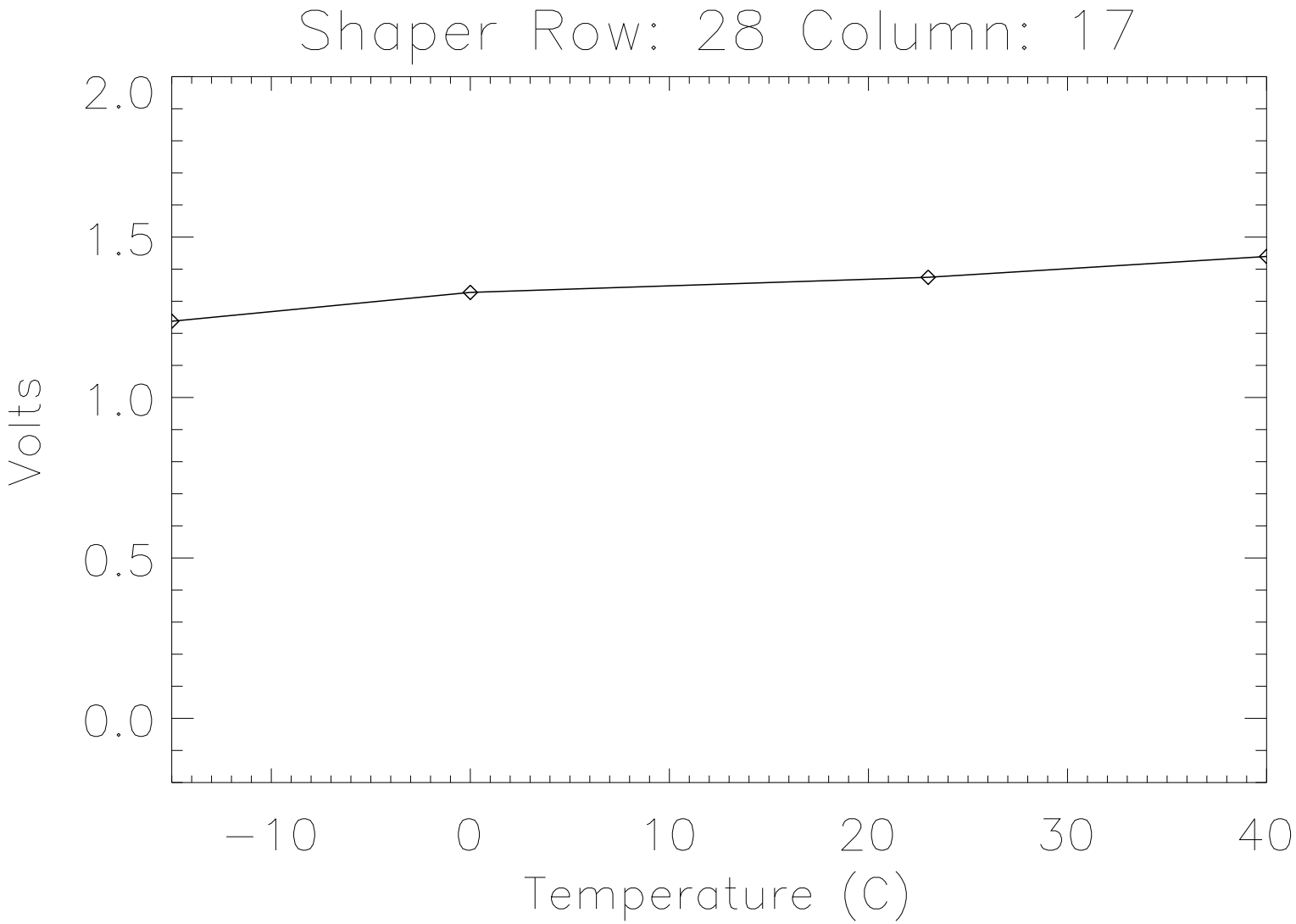
20
30
40
Temperature (C)


Shaper Row: 28 Column: 17
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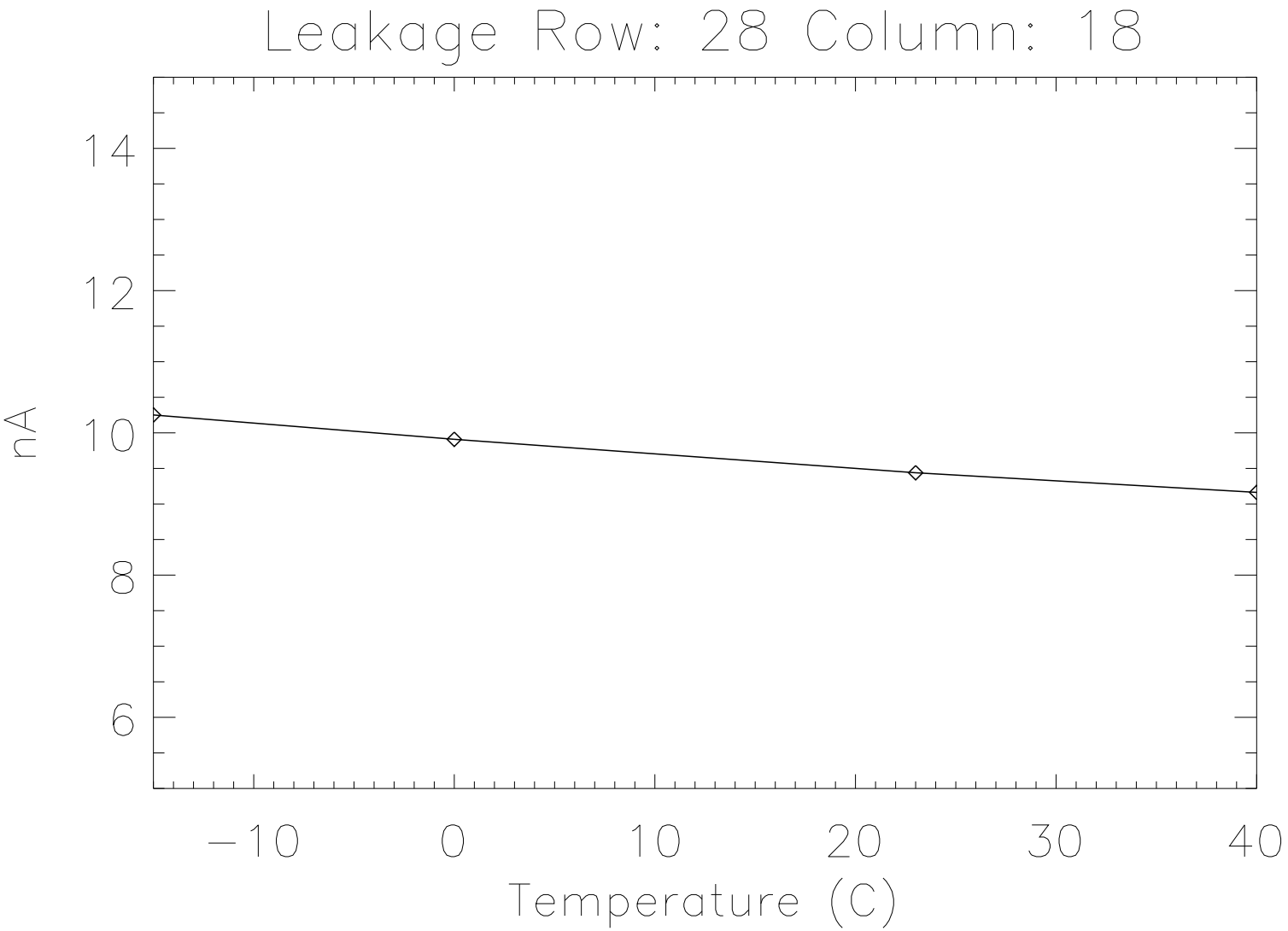
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 28 Column: 18
nA
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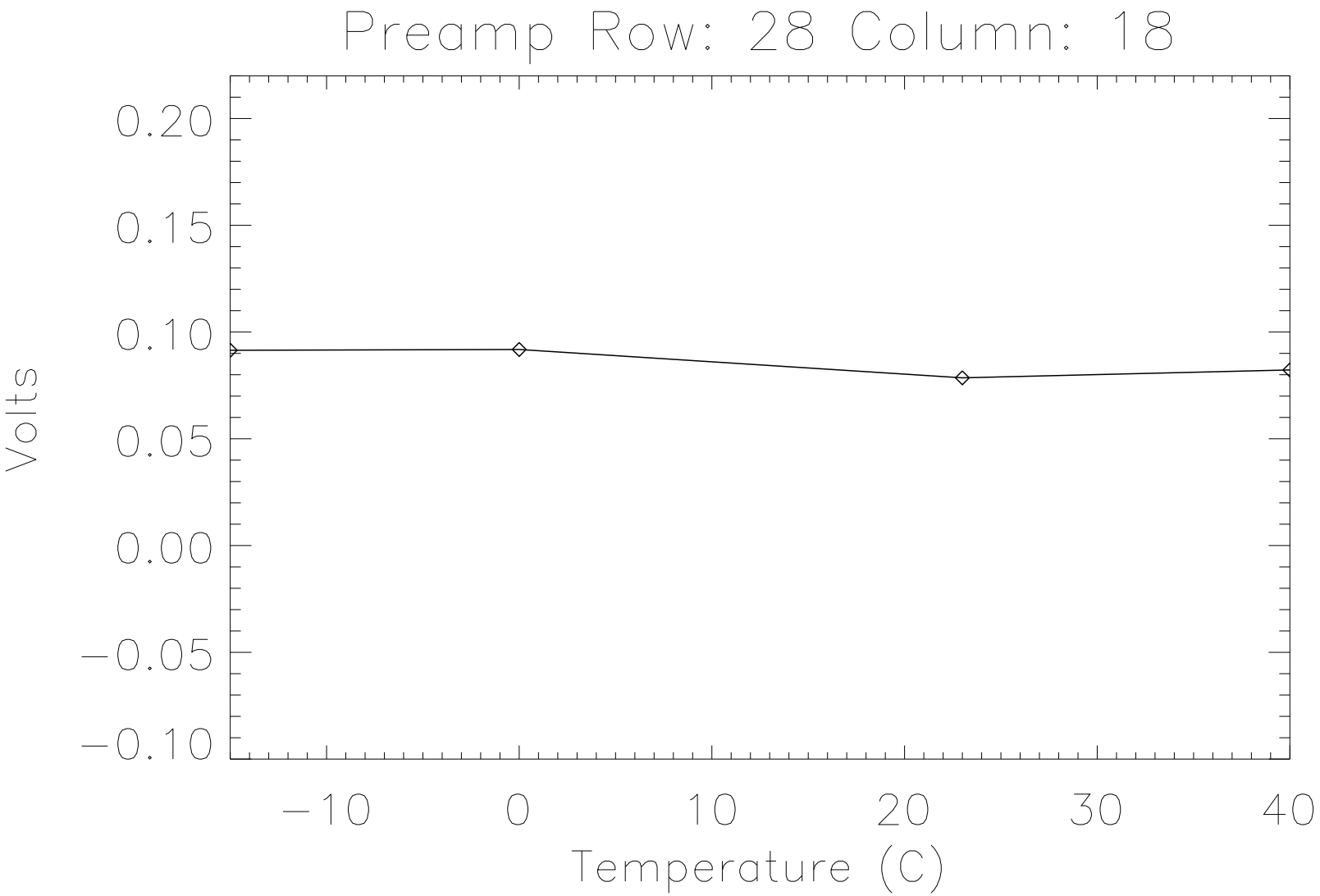
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 18
0.20
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0.10
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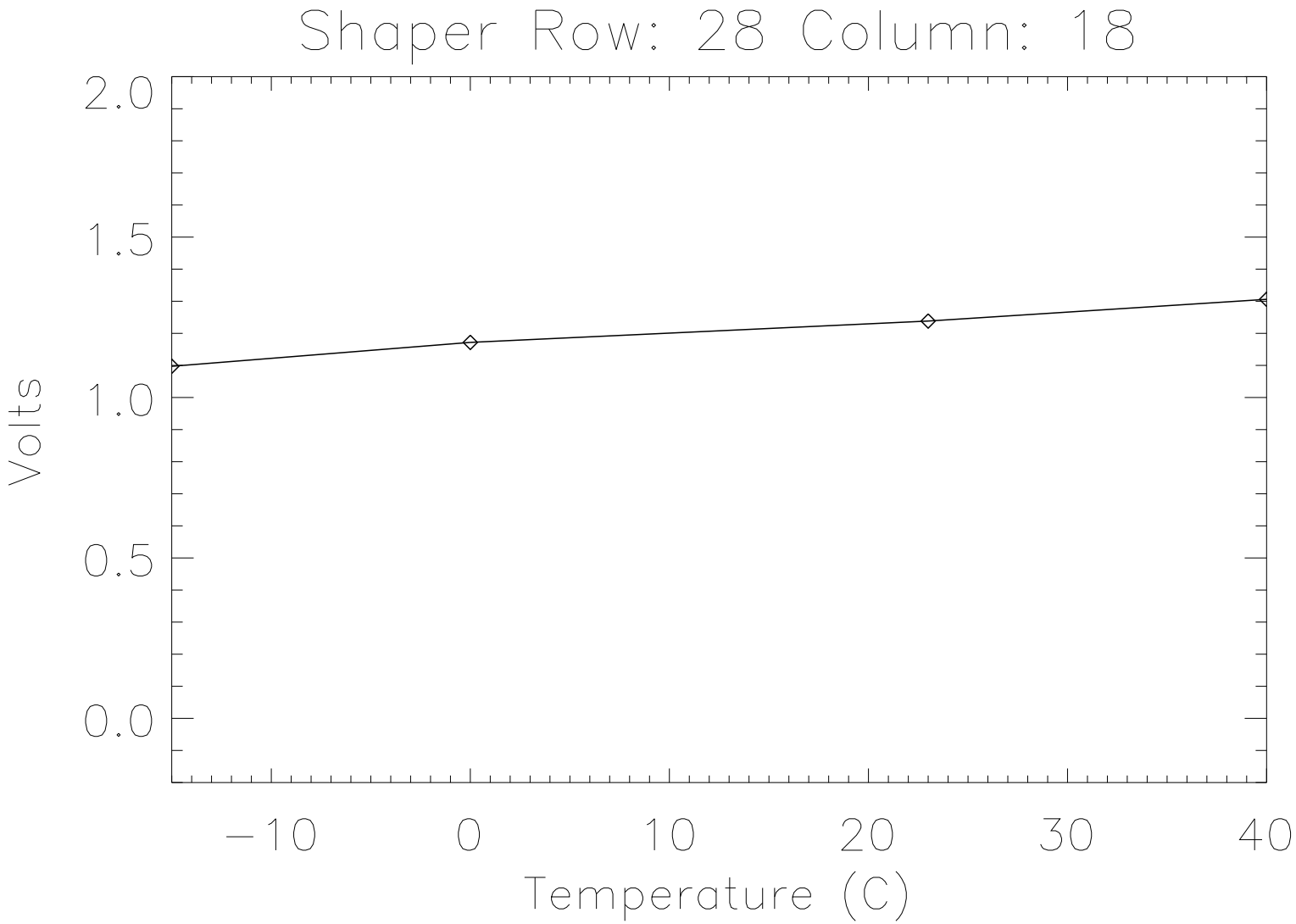
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 28 Column: 18
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1.5
1.0
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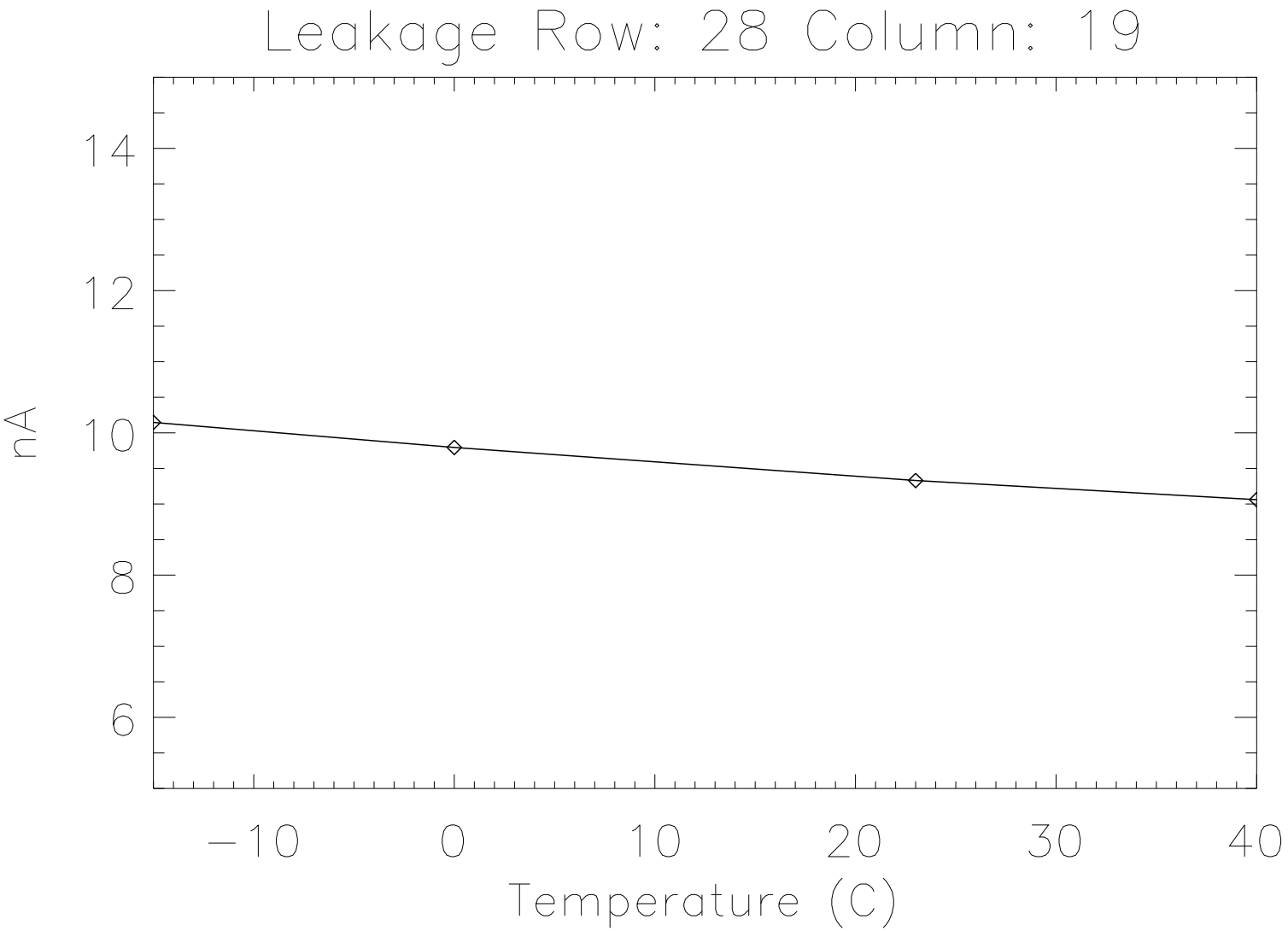
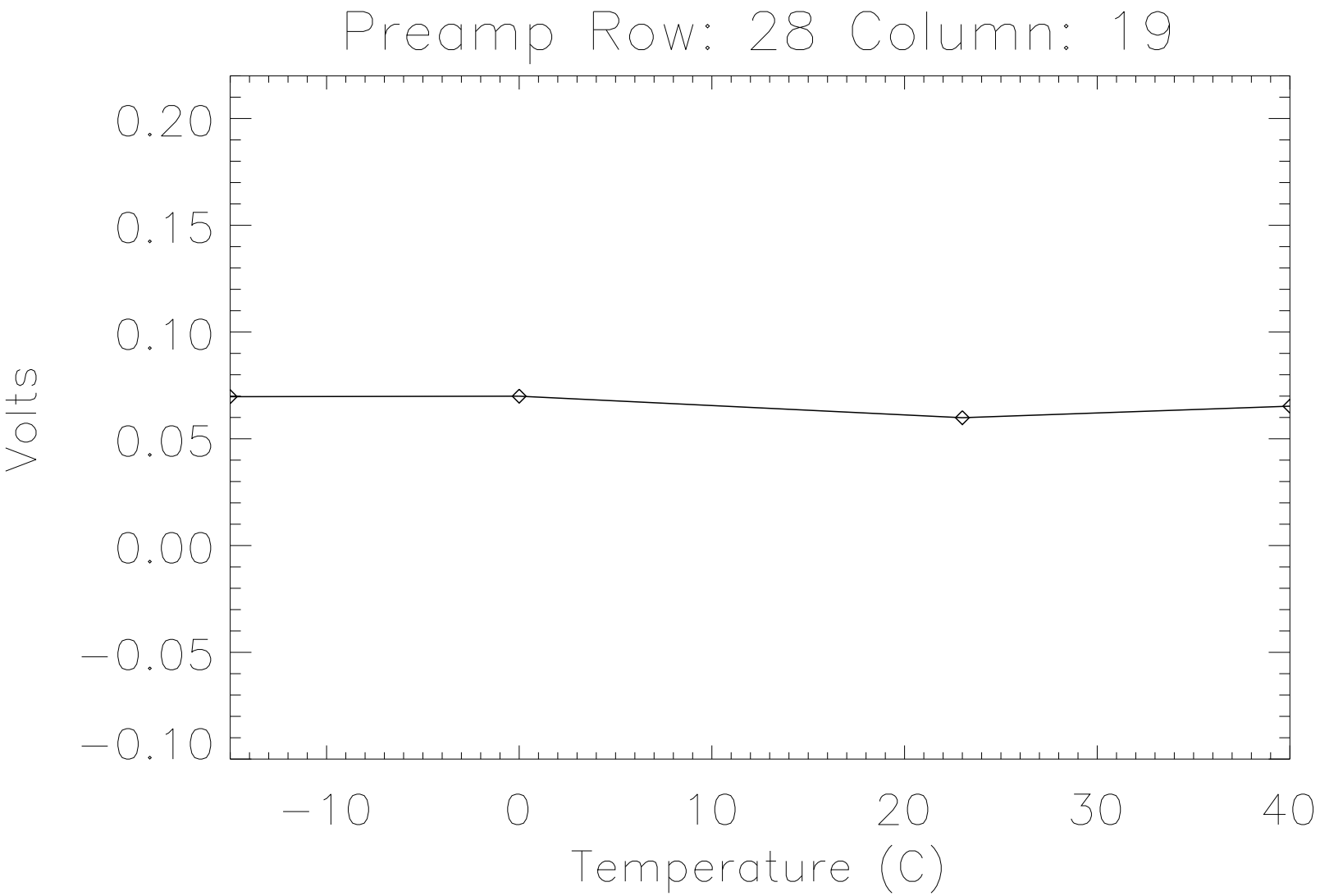
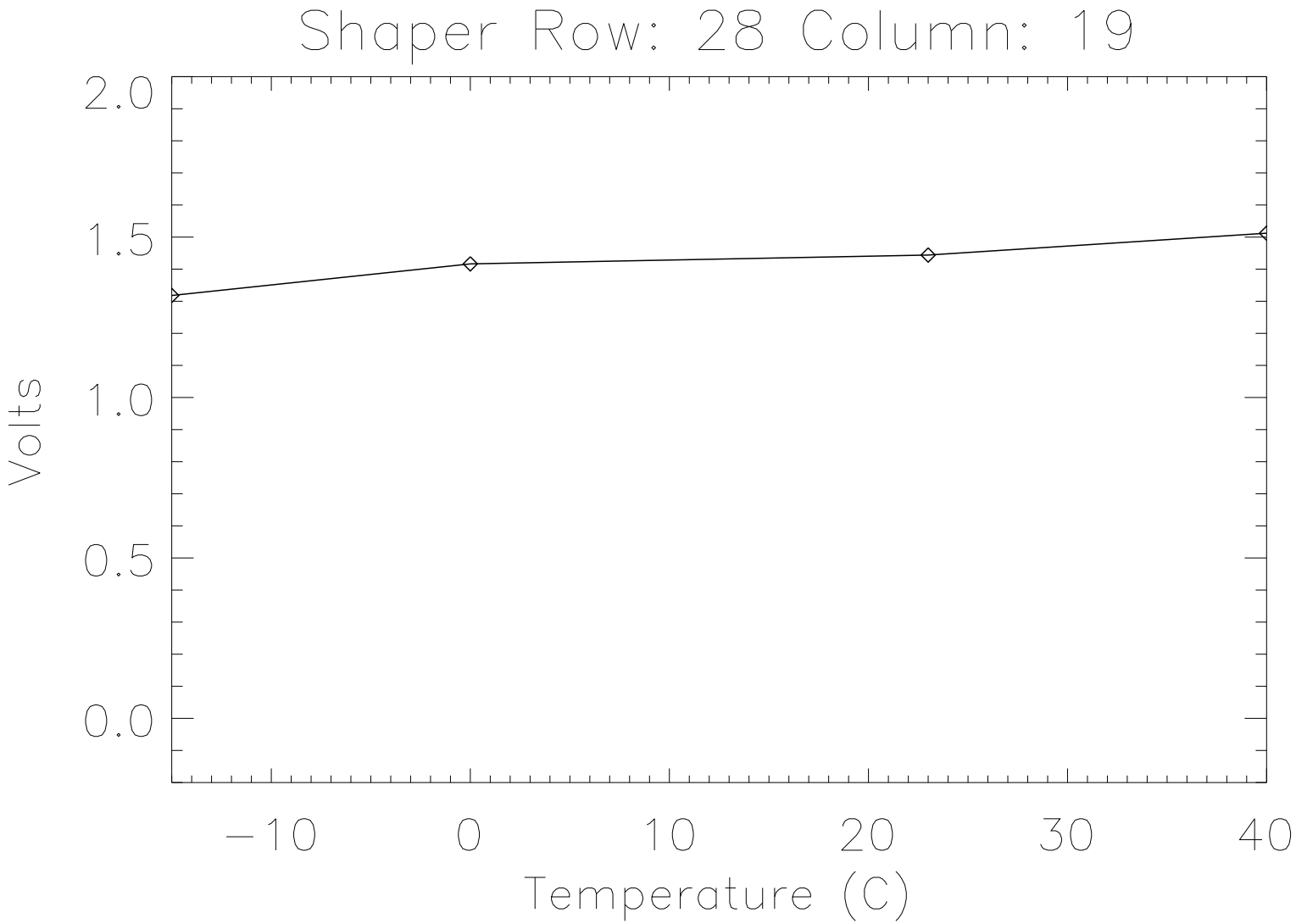
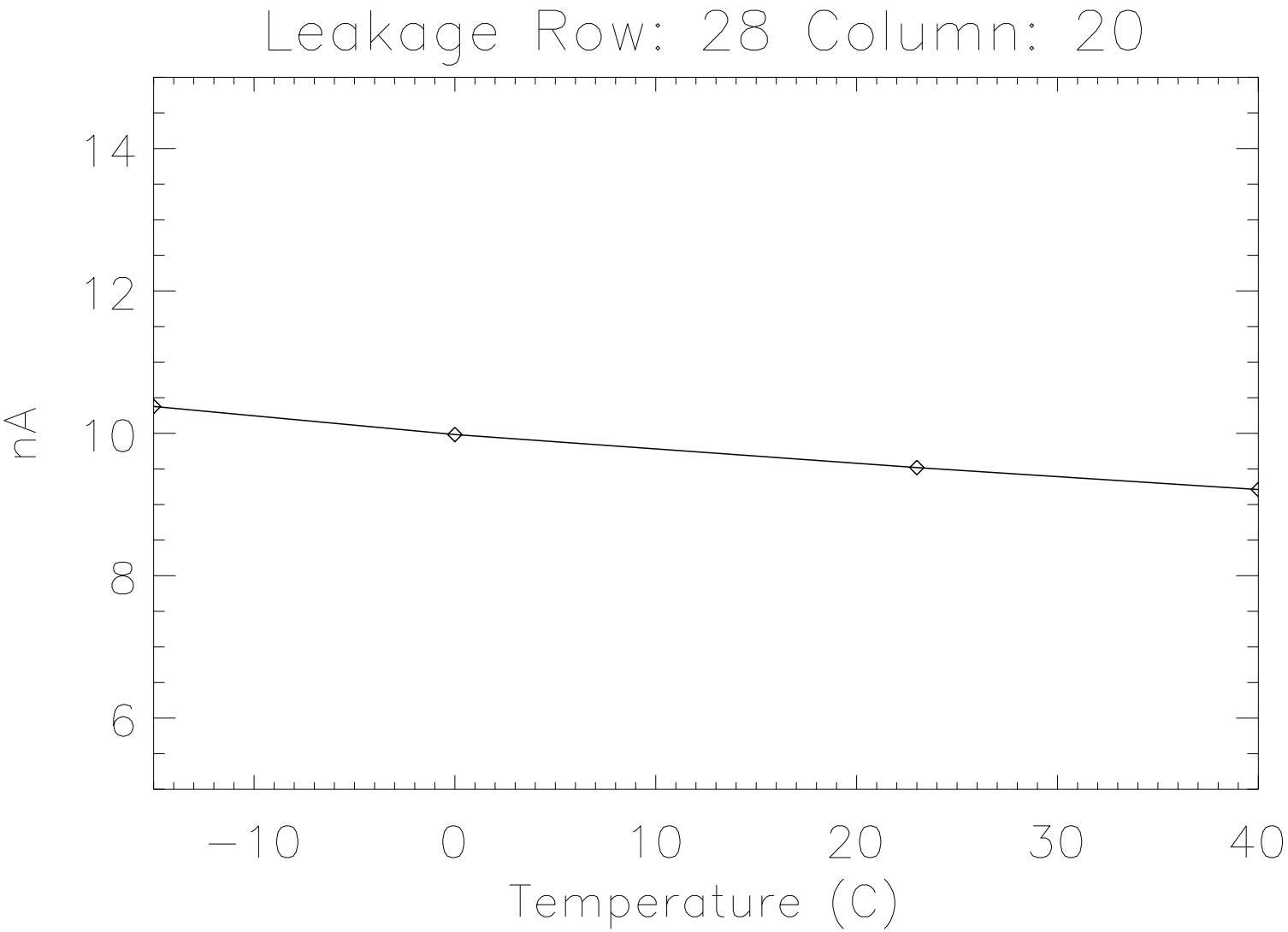
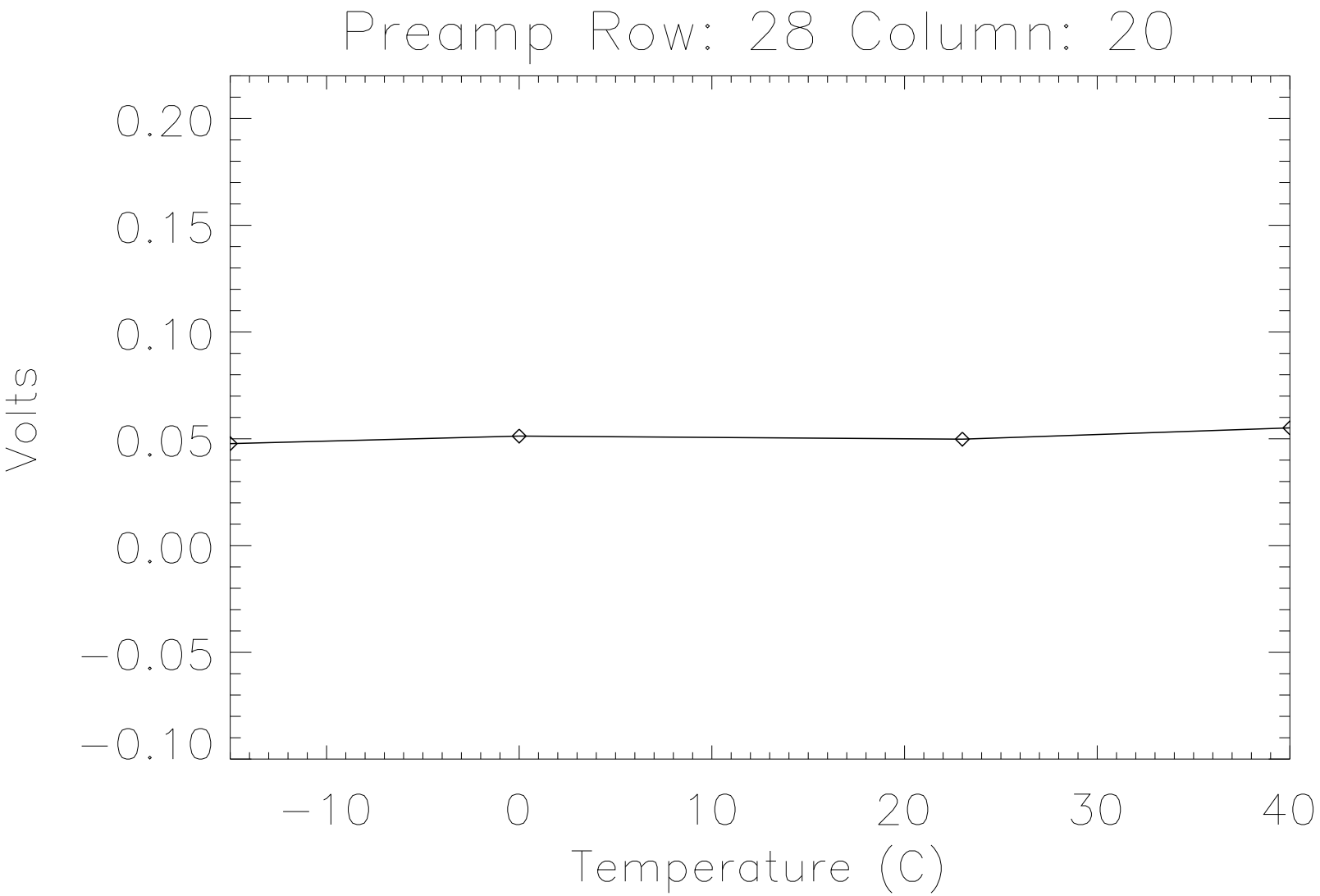
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 28 Column: 19
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 28 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 28 Column: 20
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 20
0.20
0.15
0.10
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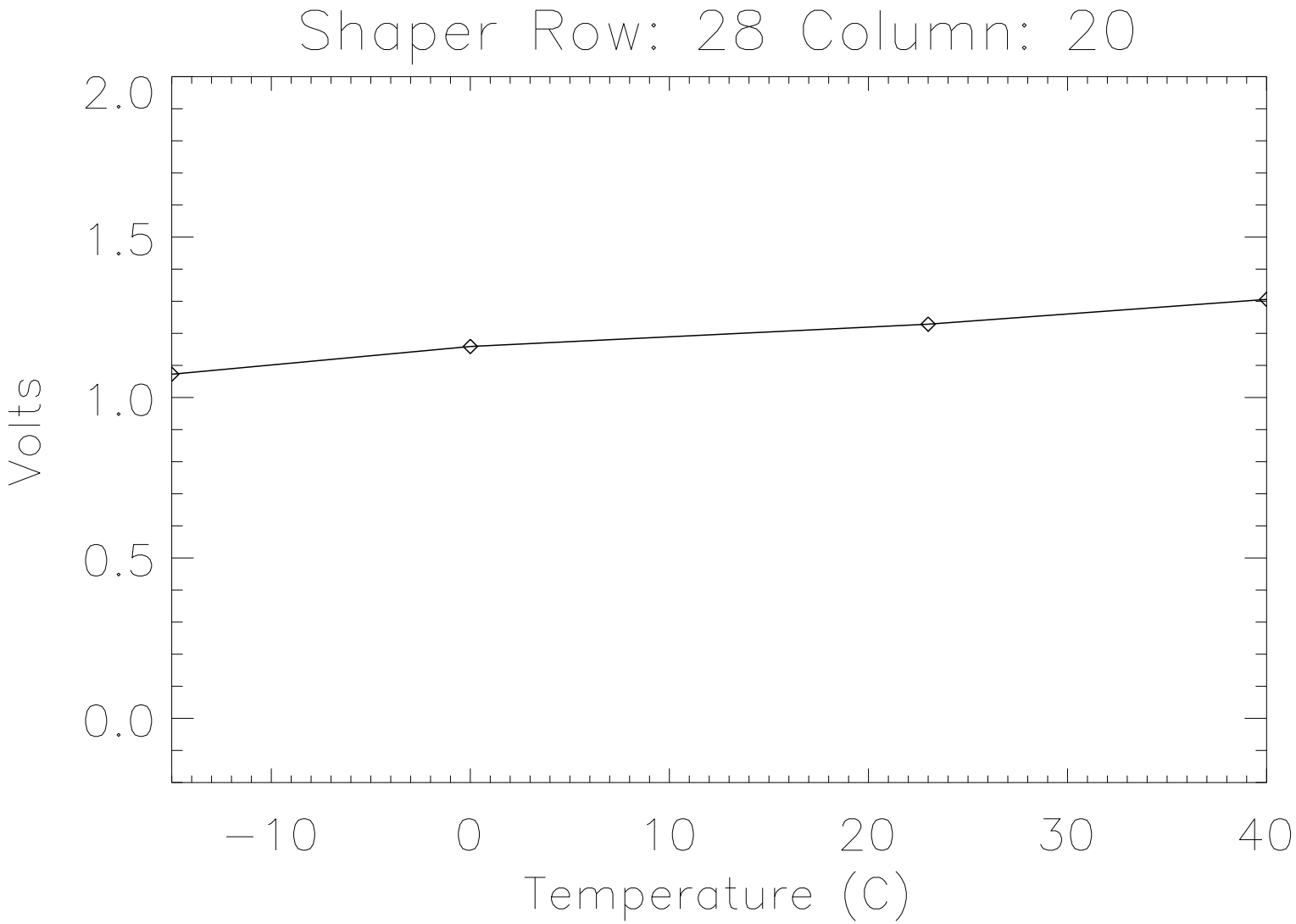
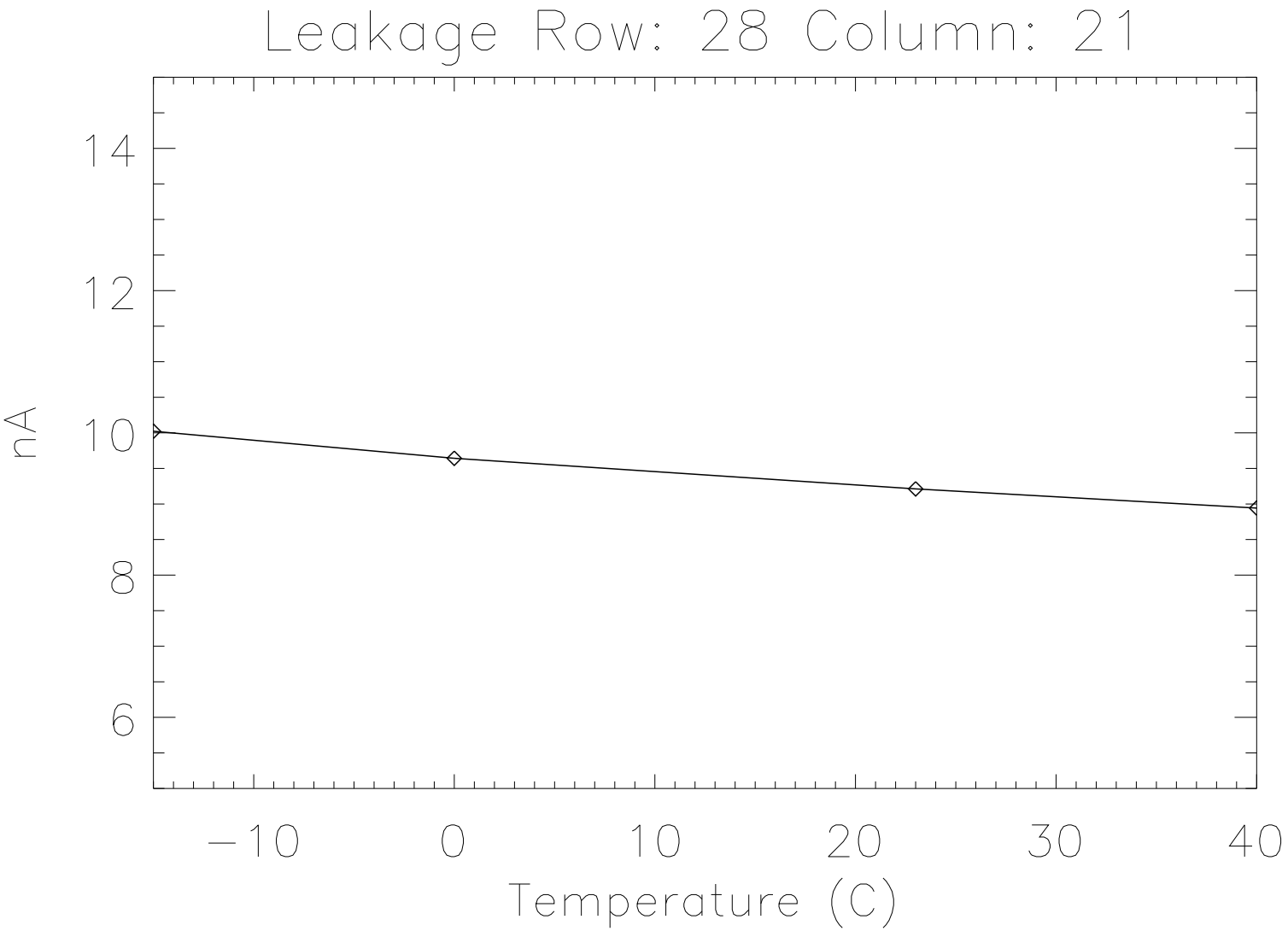
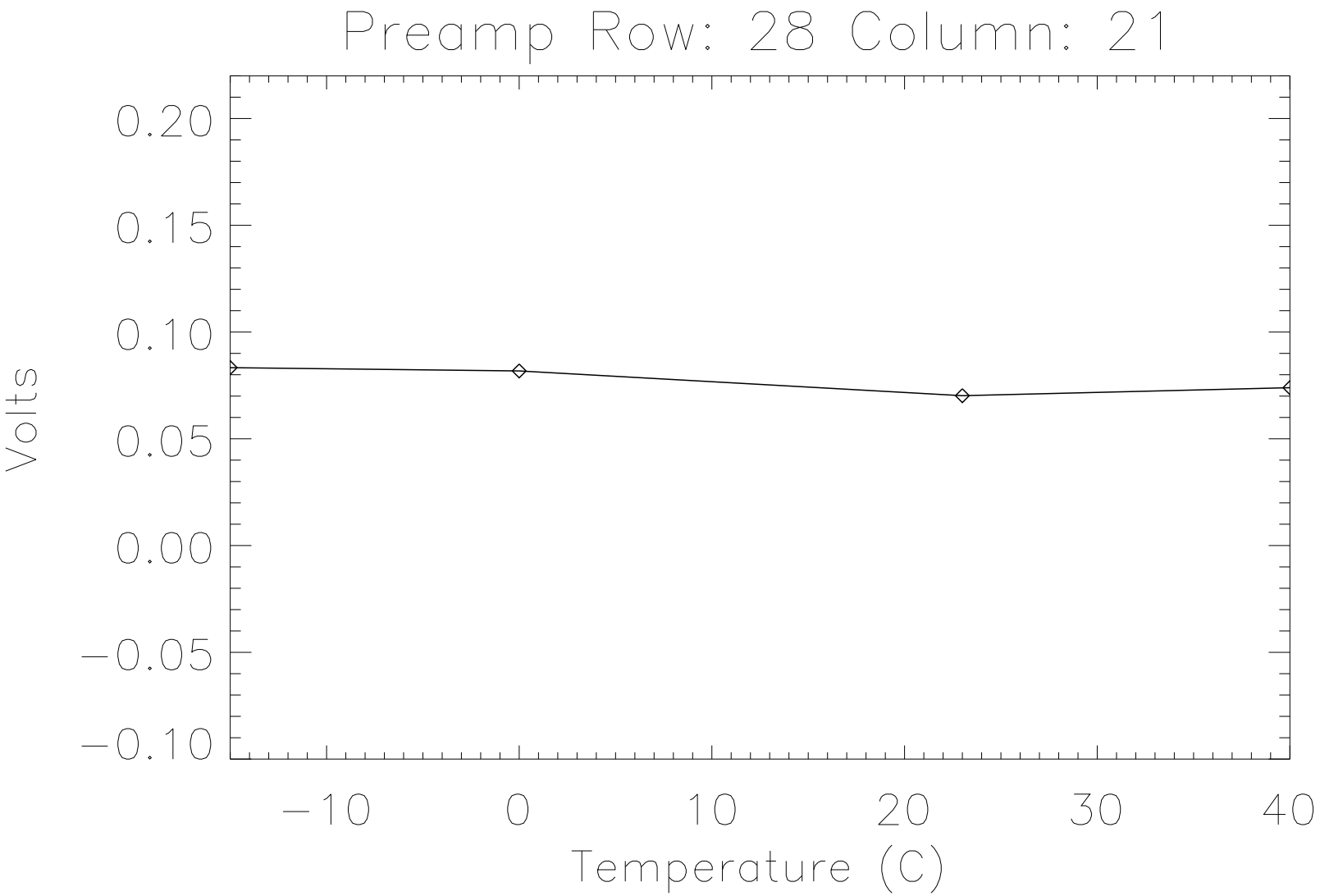
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 28 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 28 Column: 21
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 21
0.20
0.15
0.10
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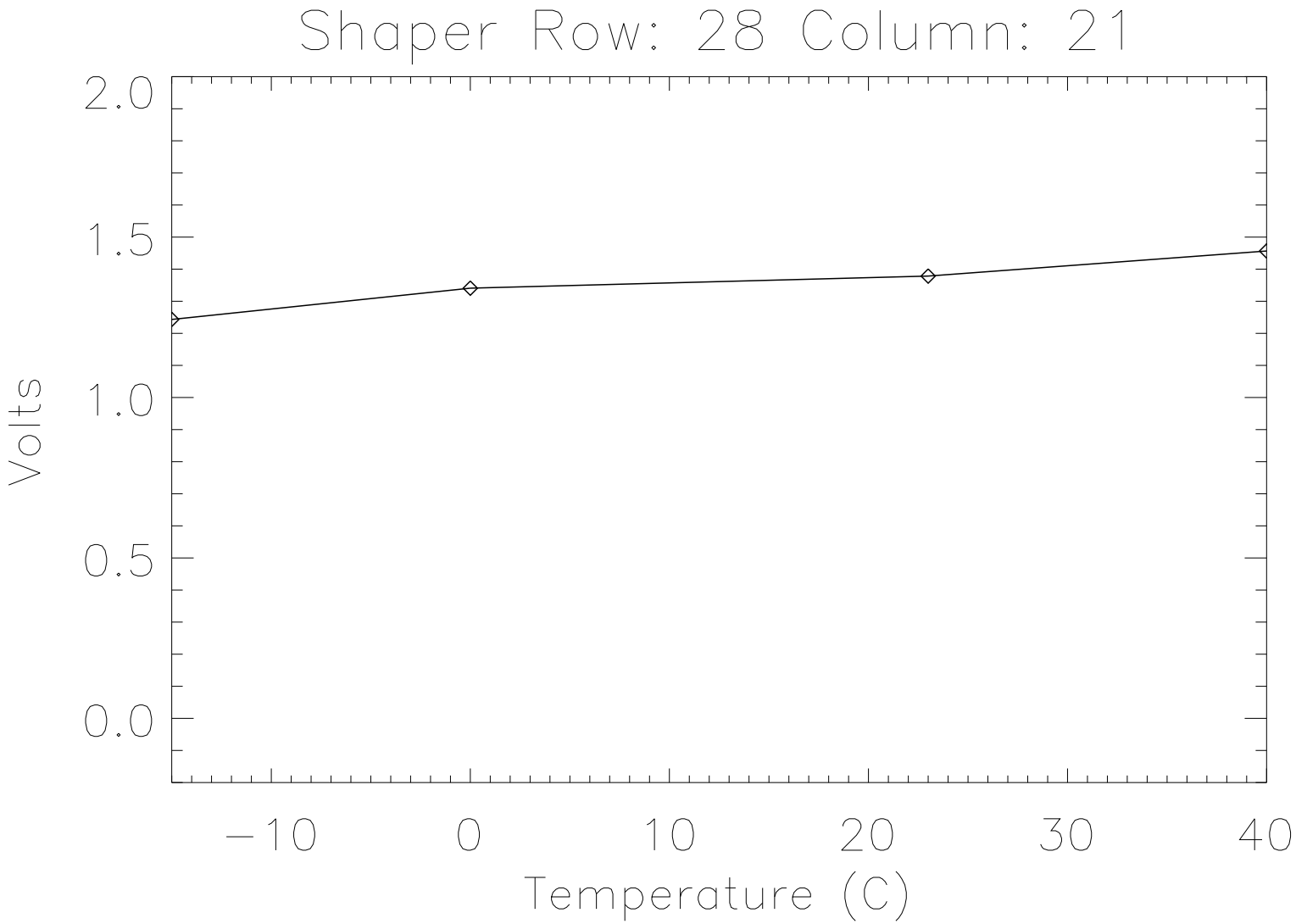
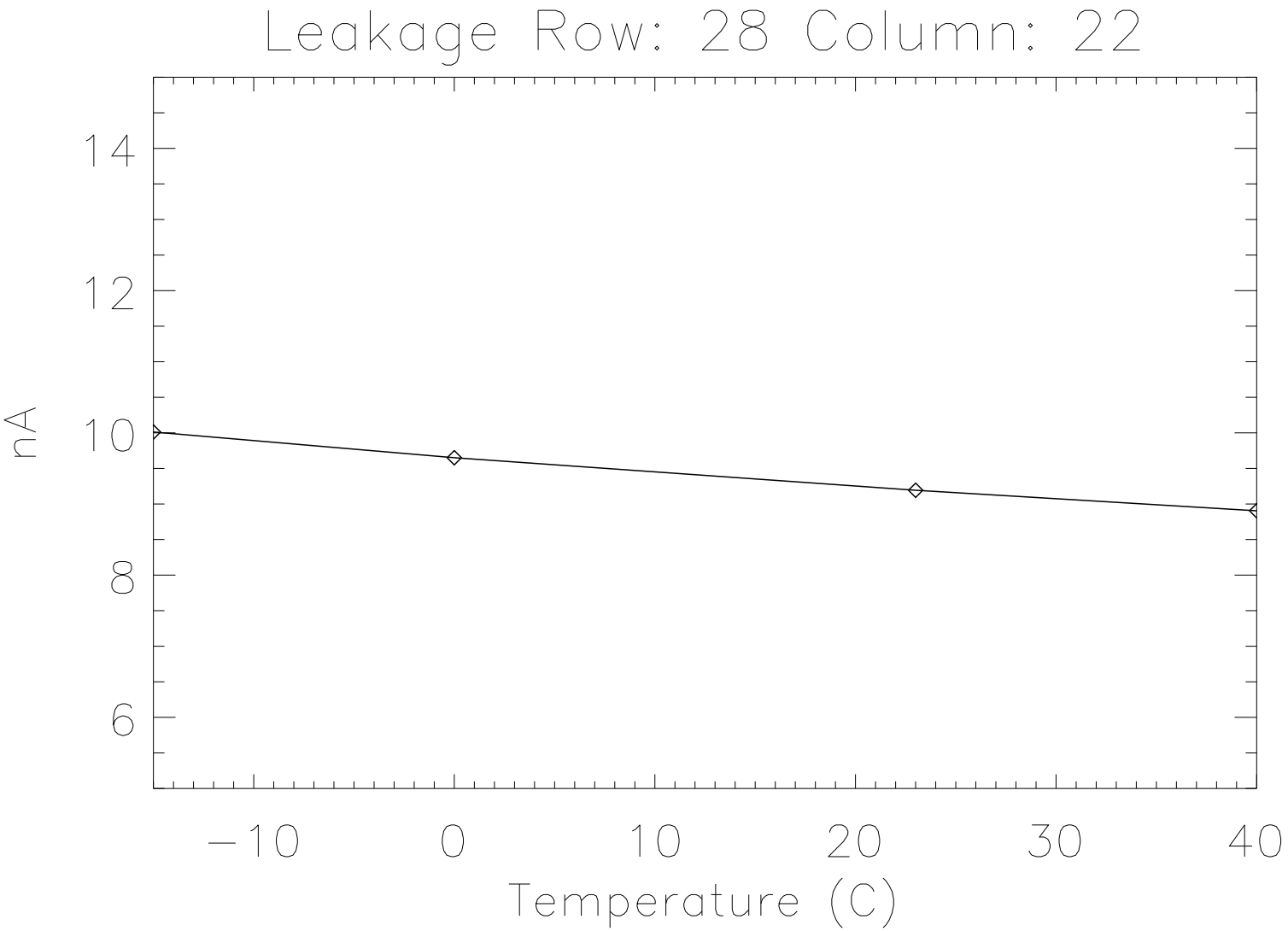
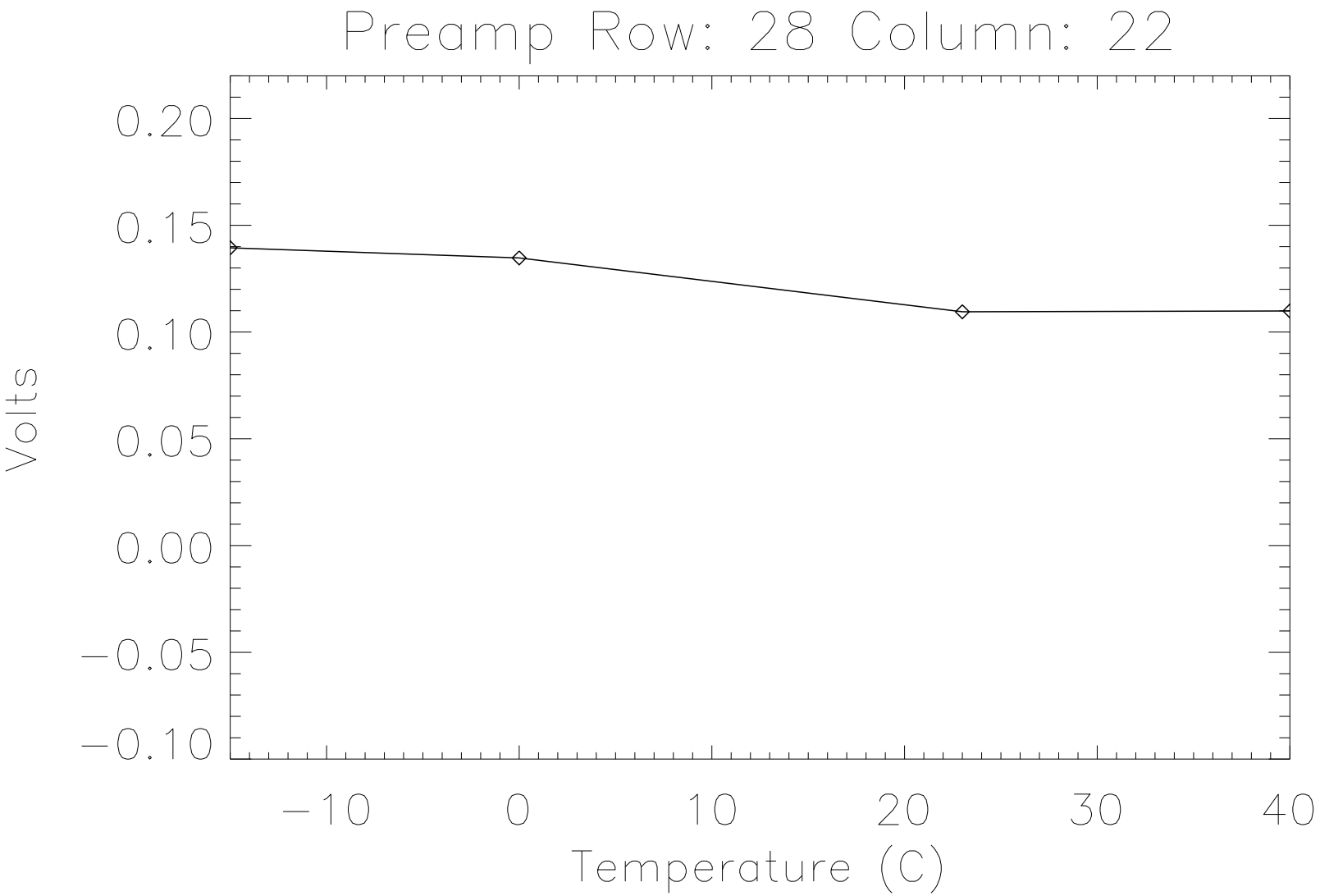
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 28 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 28 Column: 22
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)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0.20
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0.00
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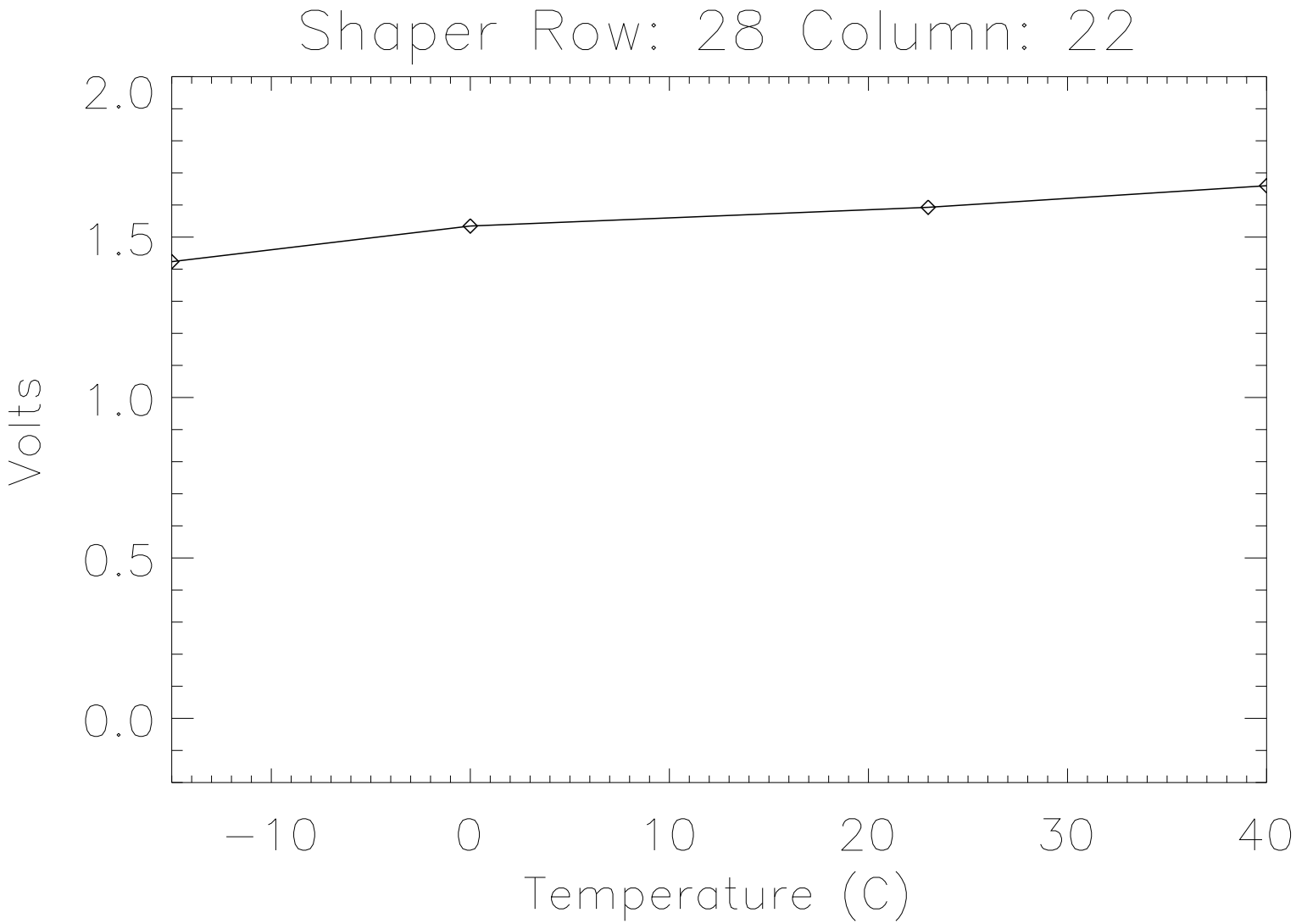
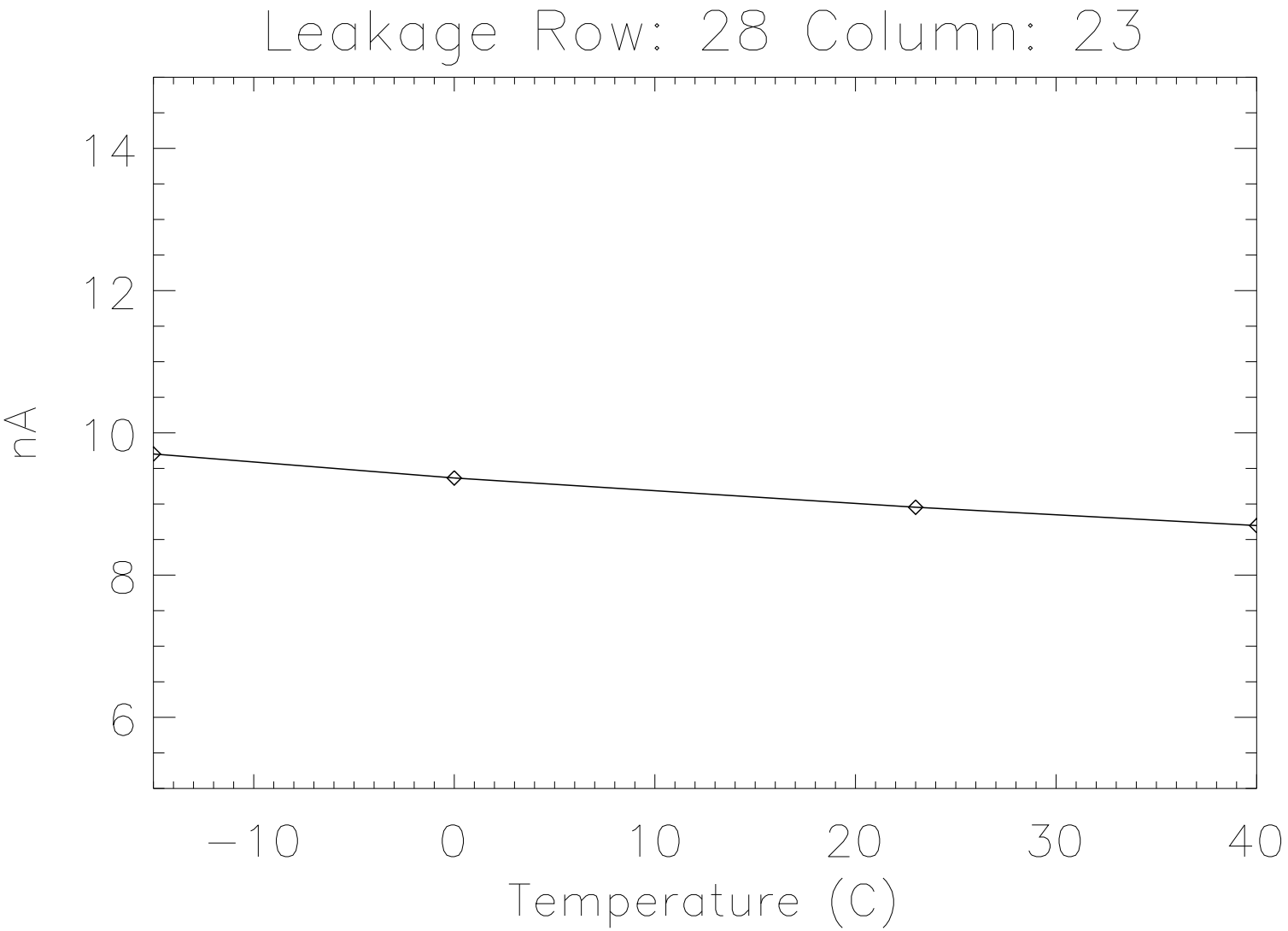
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 28 Column: 22
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 28 Column: 23
14
12
10
8
6
nA
−10
0
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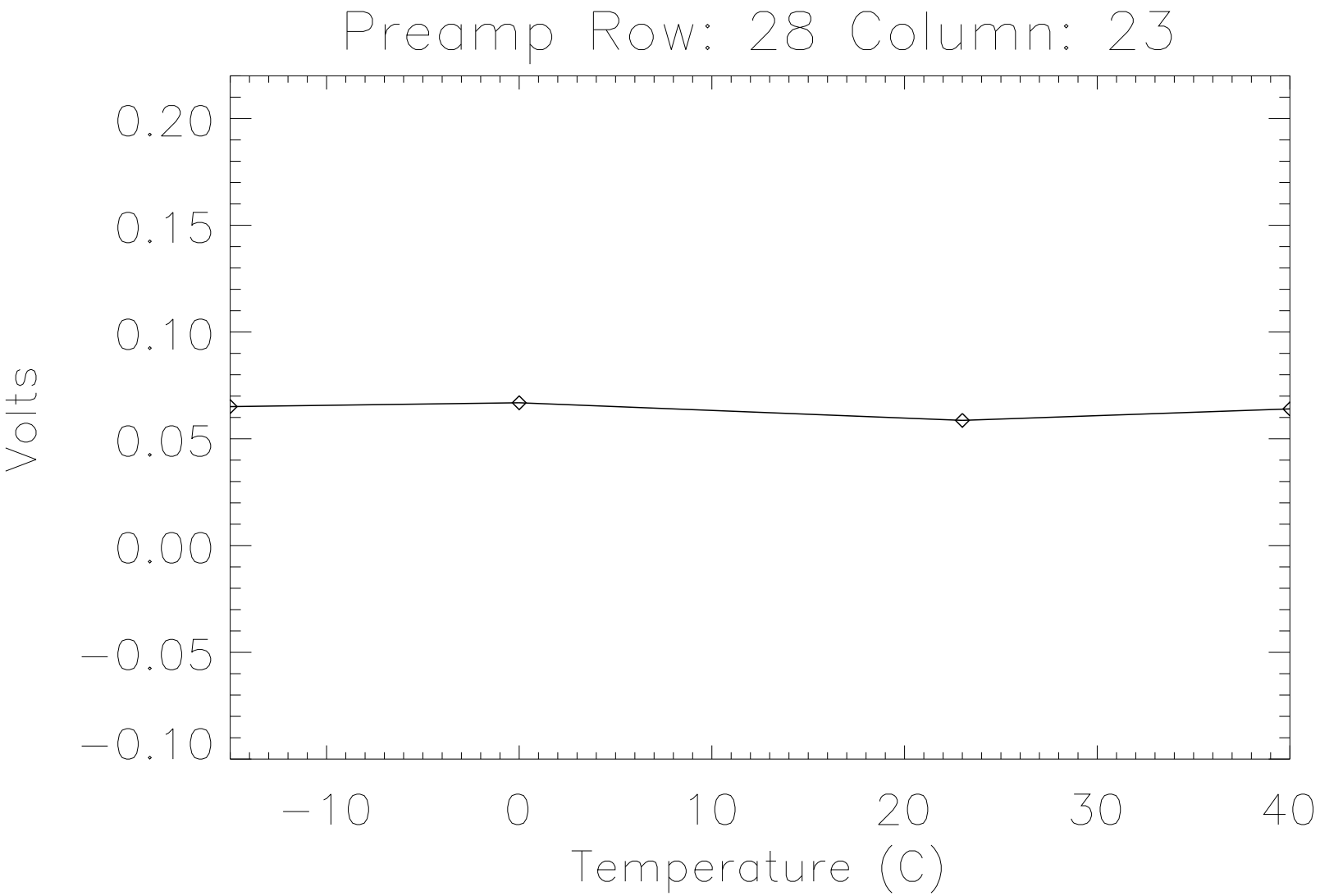
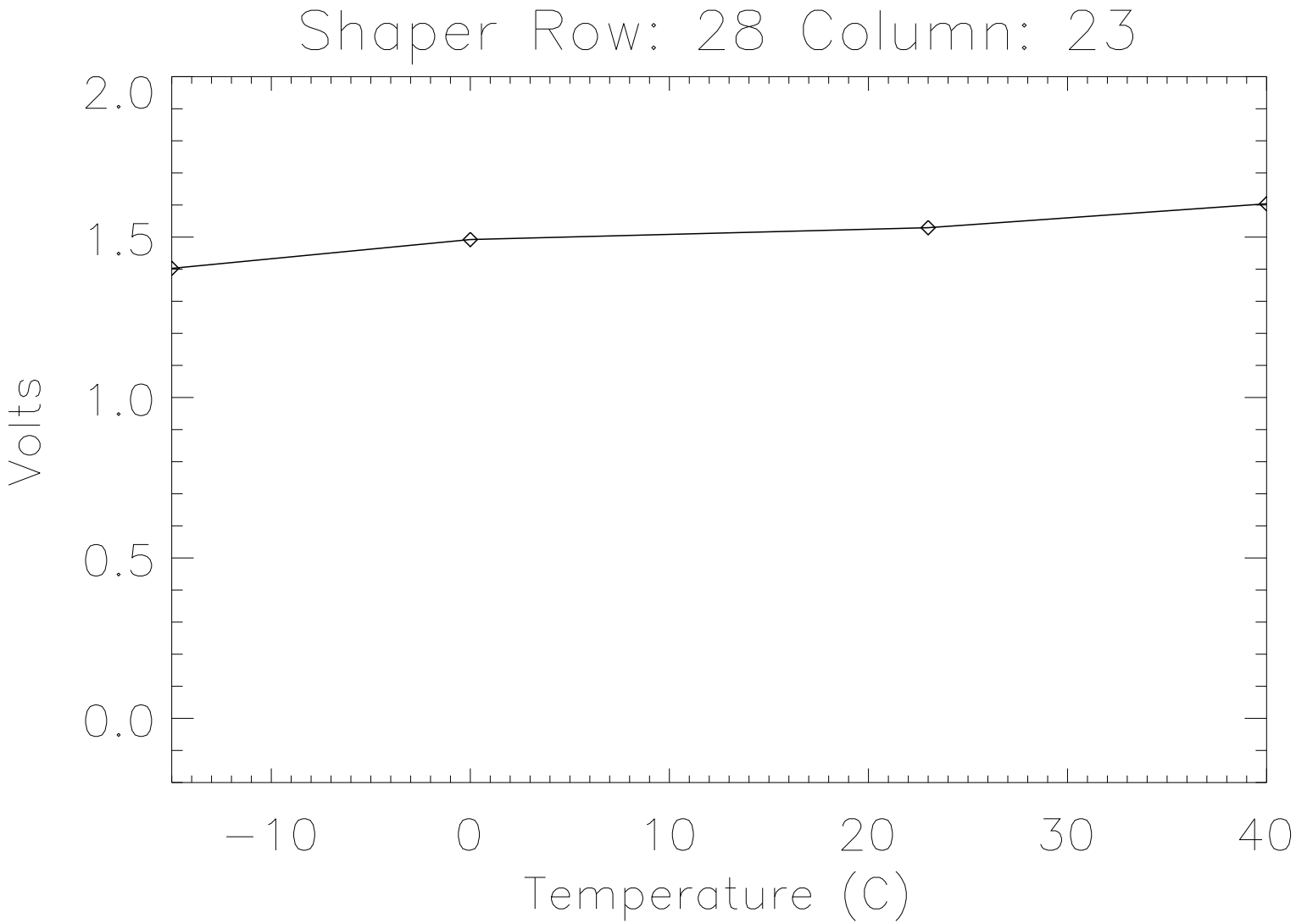
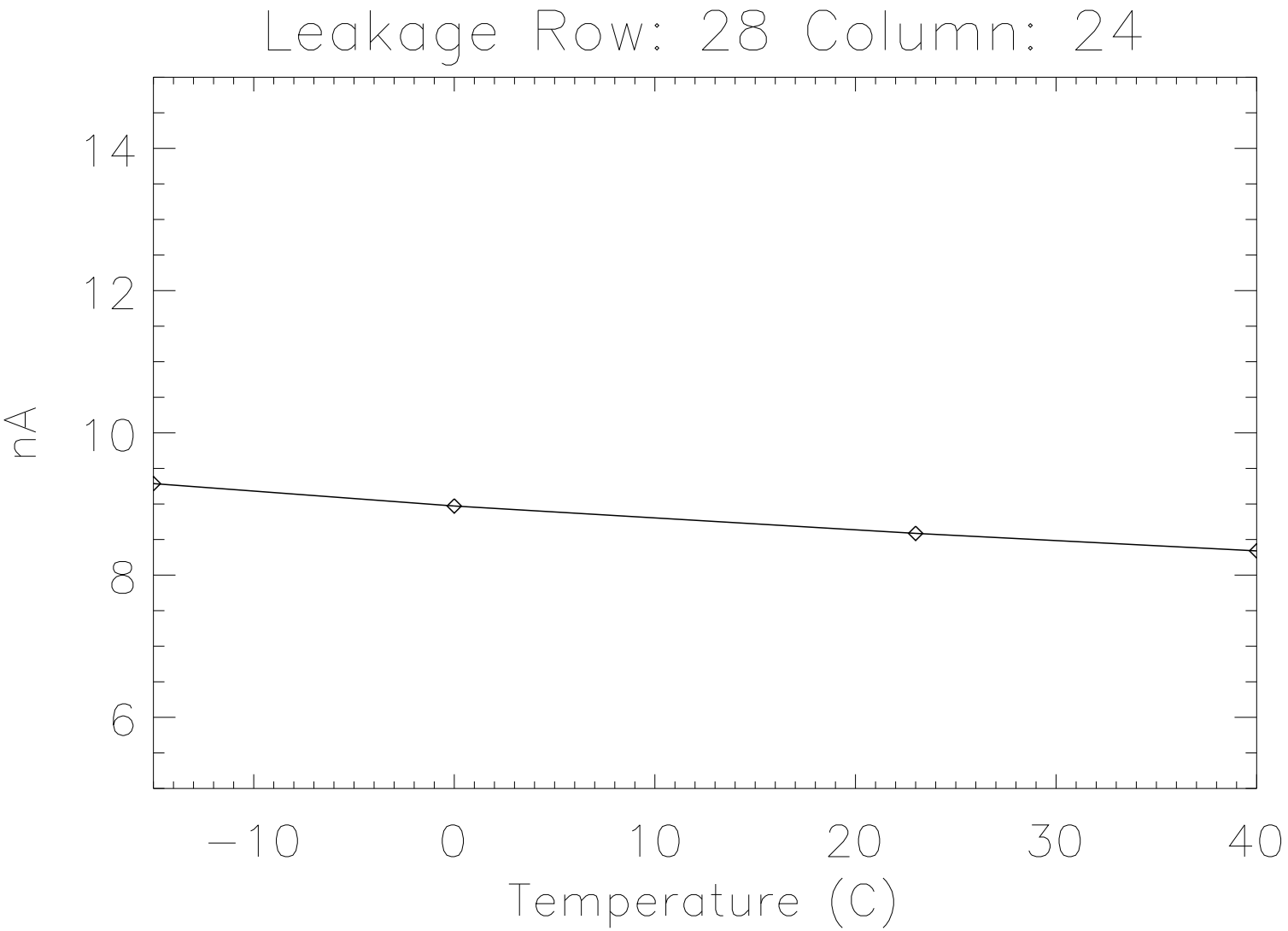
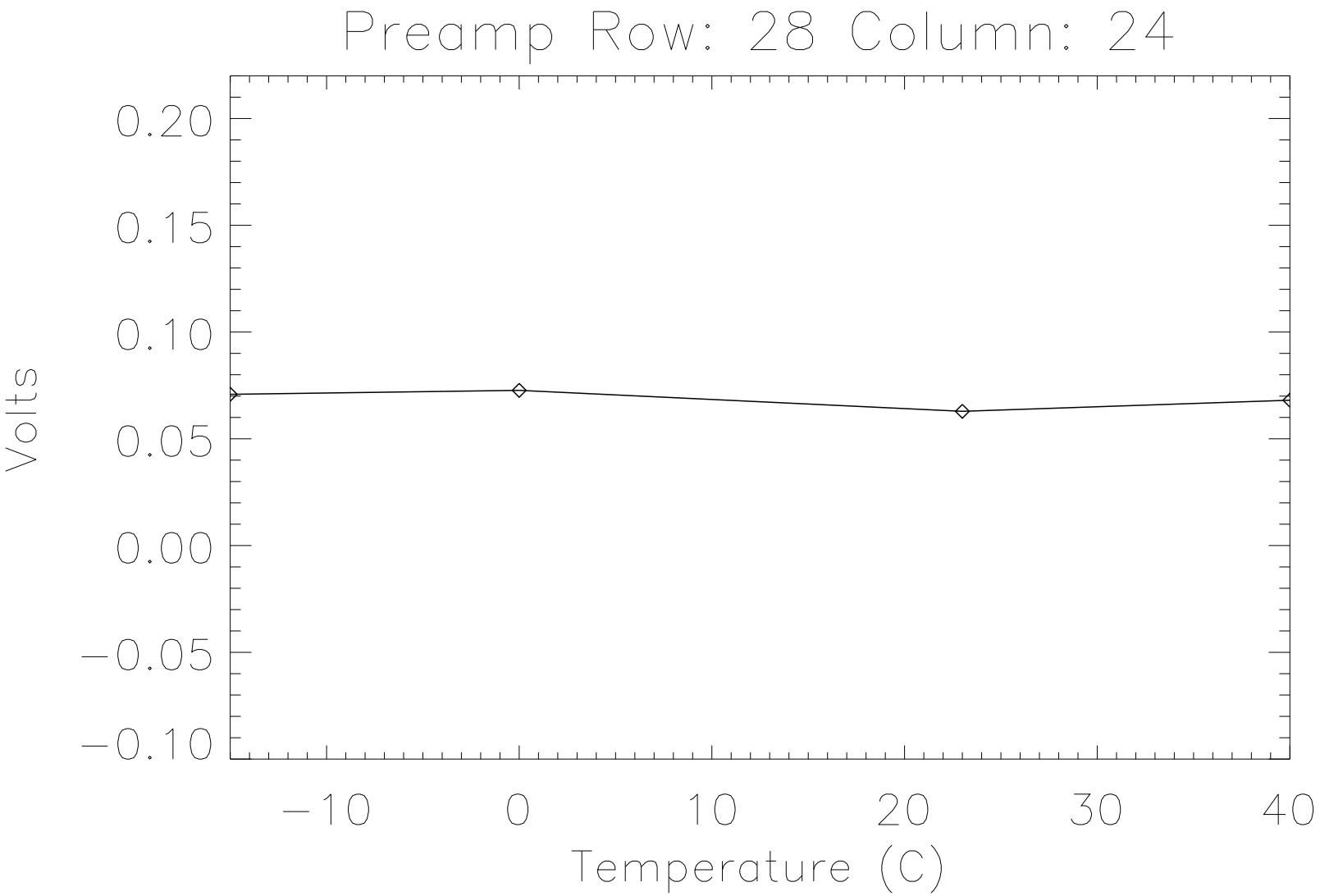
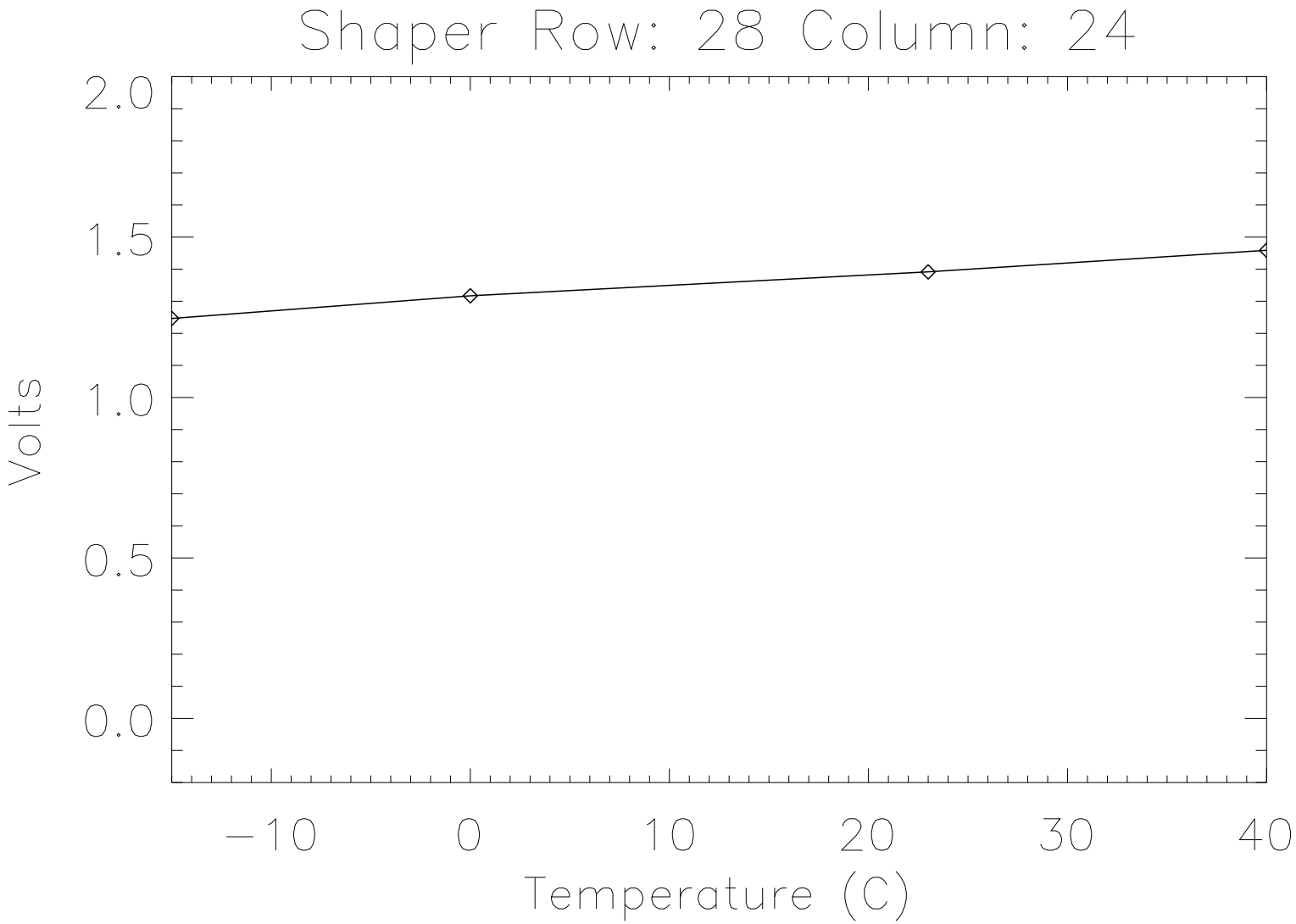
20
30
40
Temperature (C)

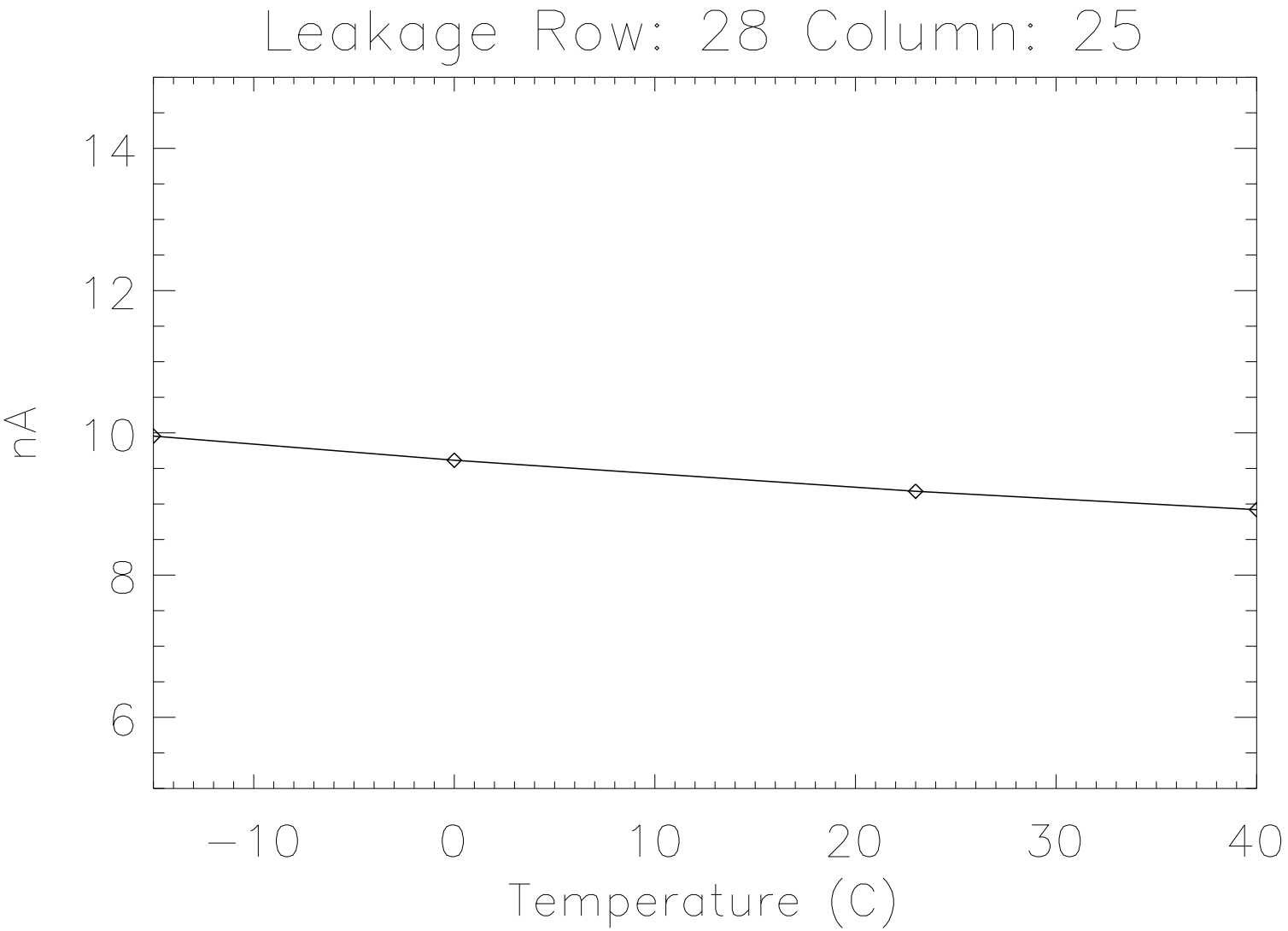

Preamp Row: 28 Column: 23
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

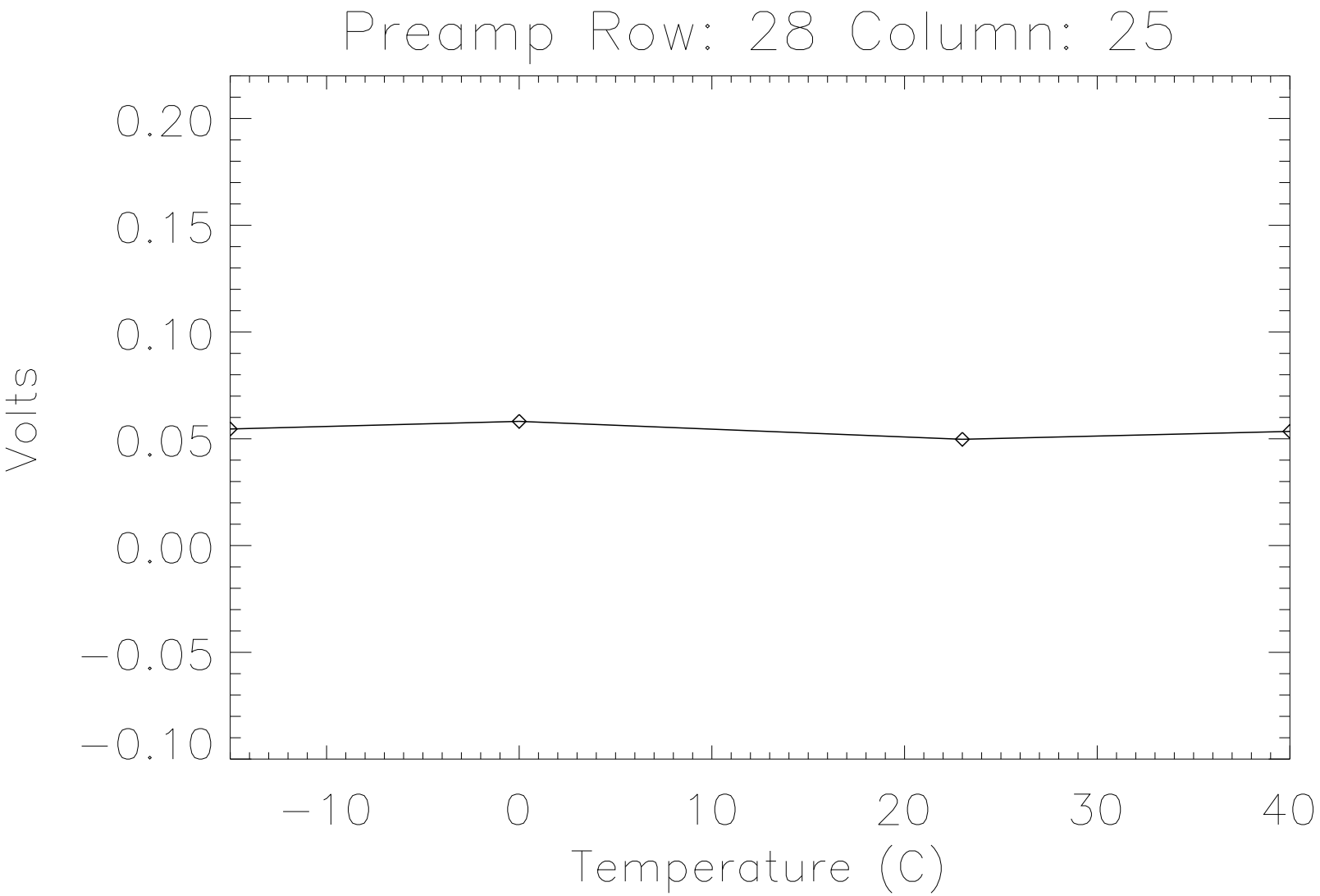

Shaper Row: 28 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 28 Column: 24
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 24
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 28 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 28 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 25
0.20
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0.10
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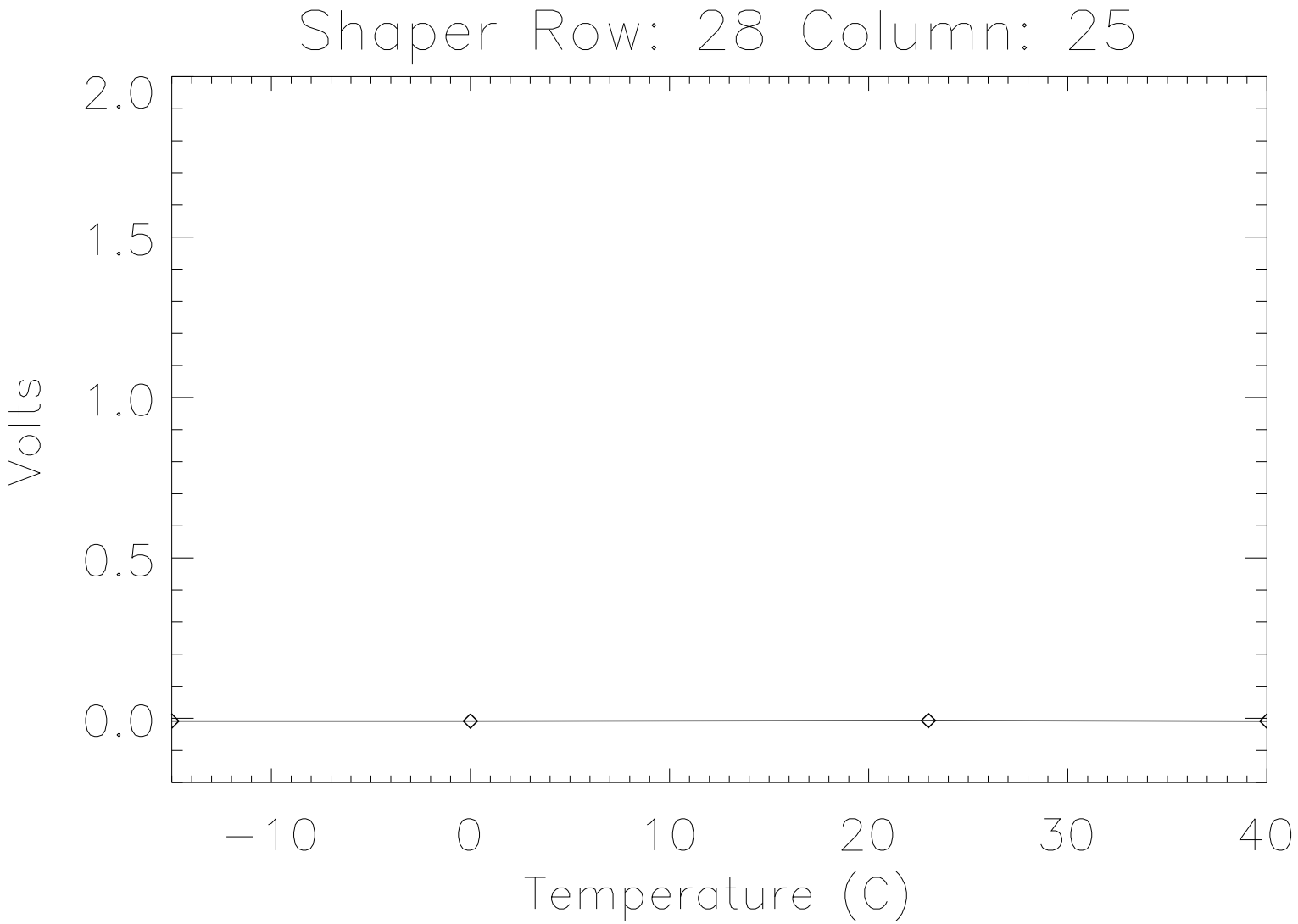
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 28 Column: 25
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1.5
1.0
0.5
0.0
Volts
−10
0
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30
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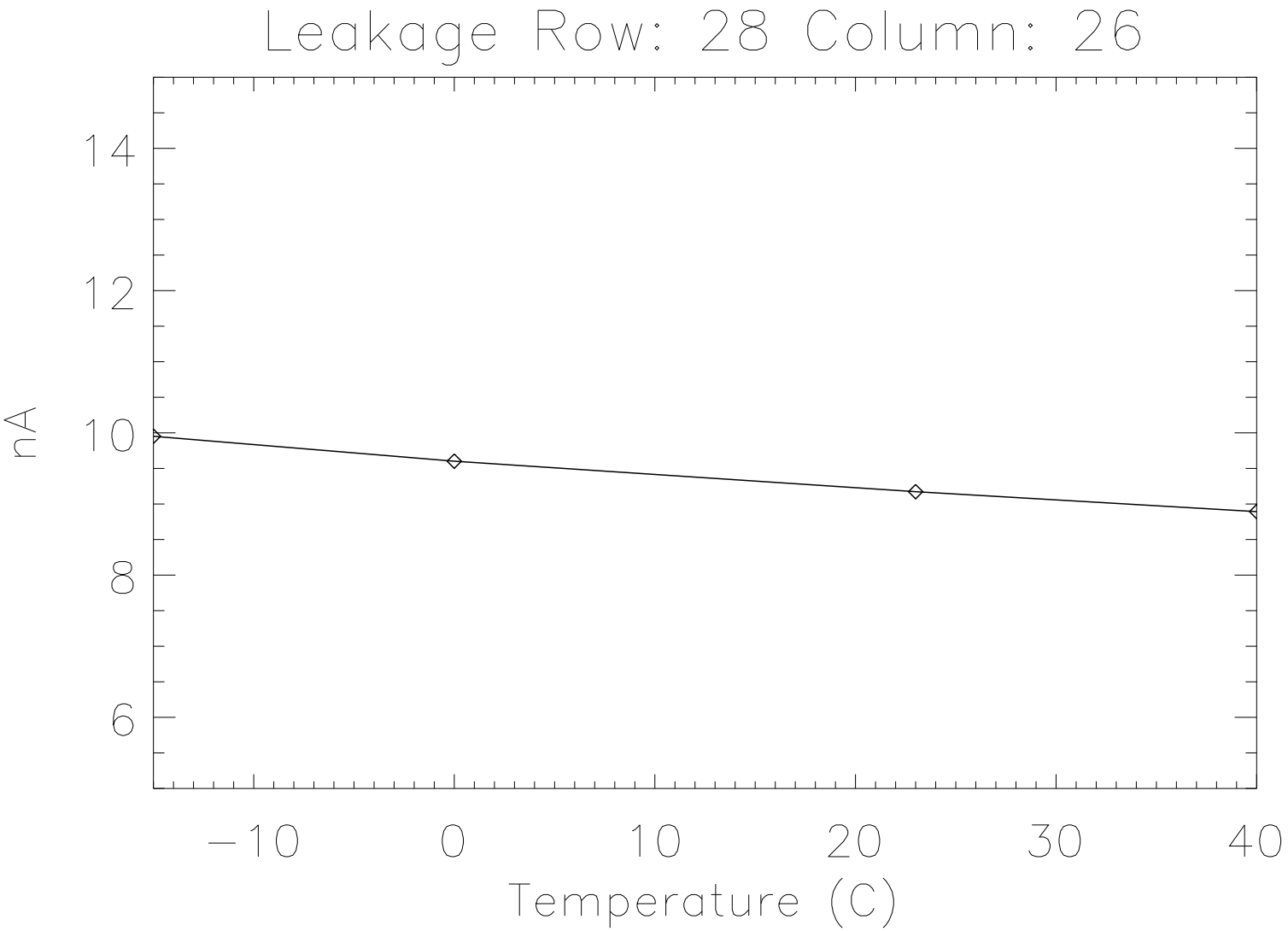
Temperature (C)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12
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8
6
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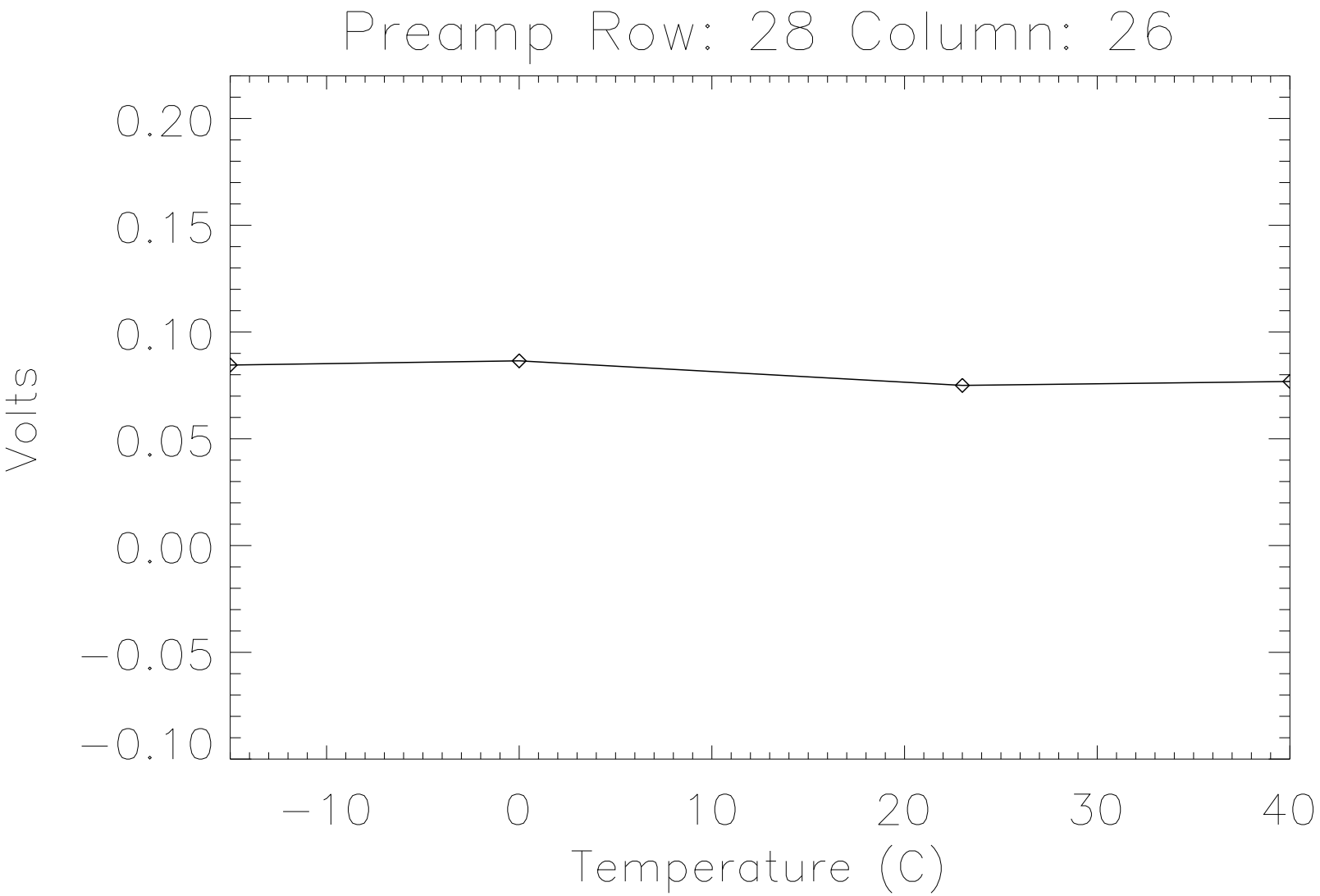
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 26
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0.10
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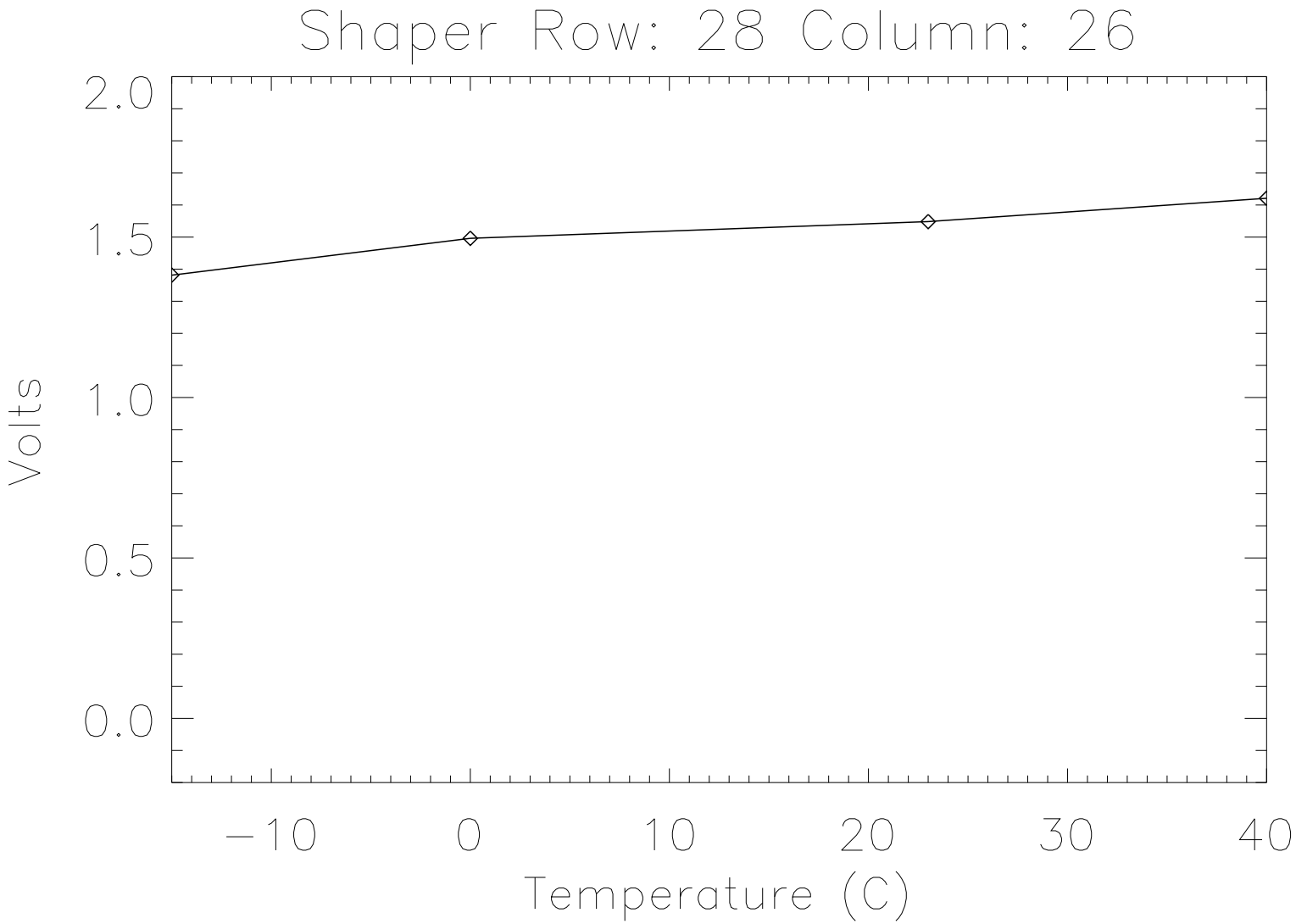
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 28 Column: 26
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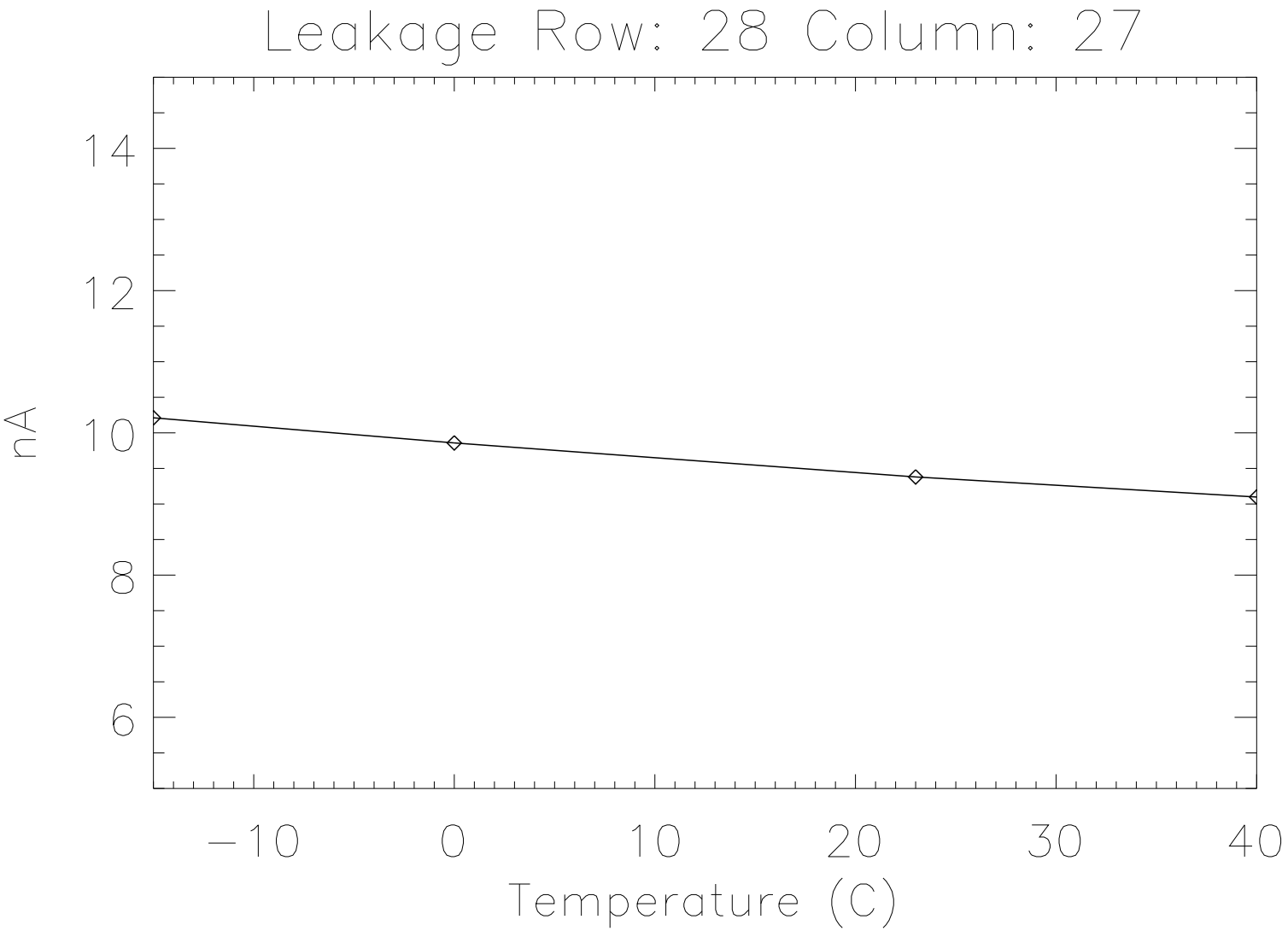
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 28 Column: 27
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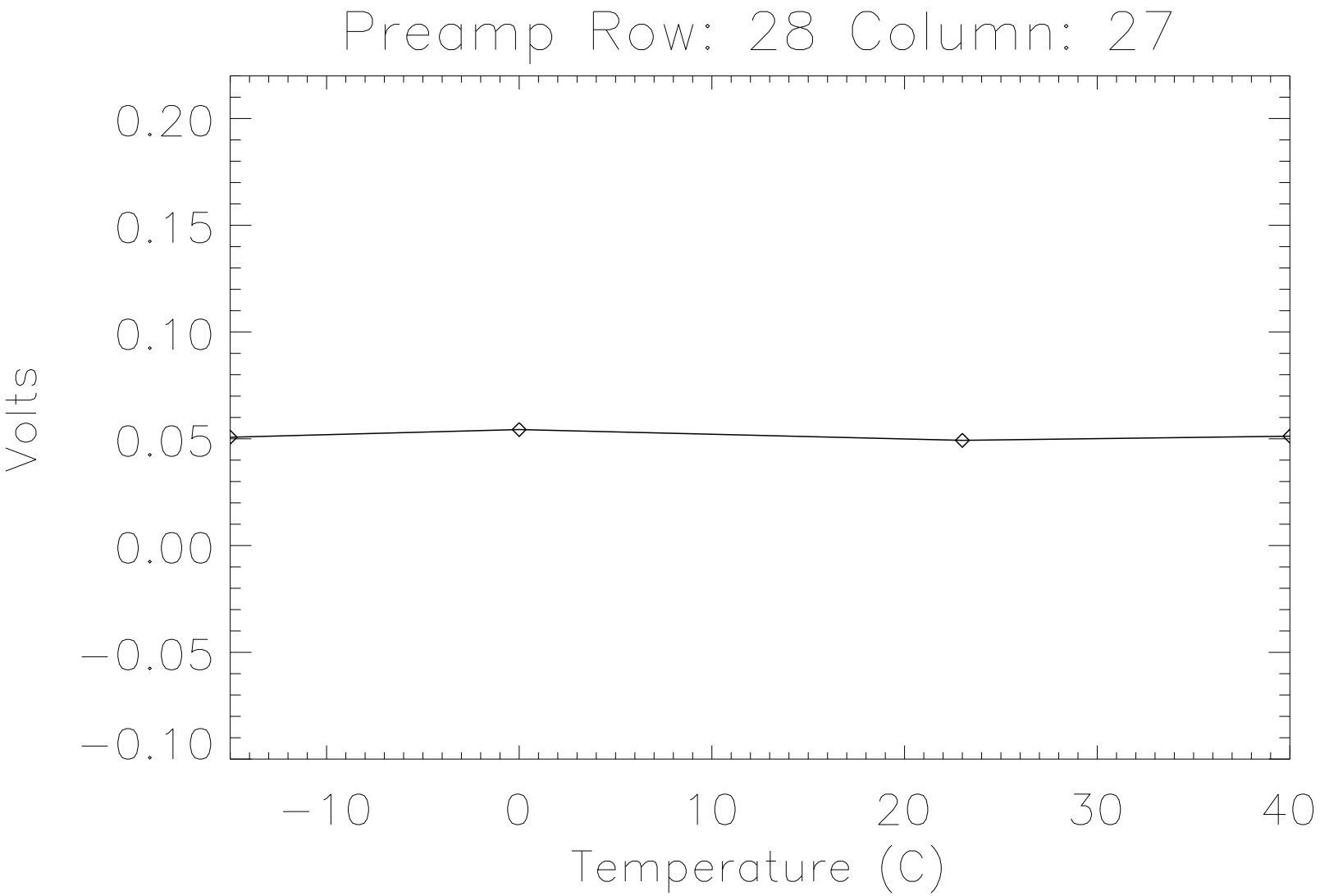
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 27
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Volts
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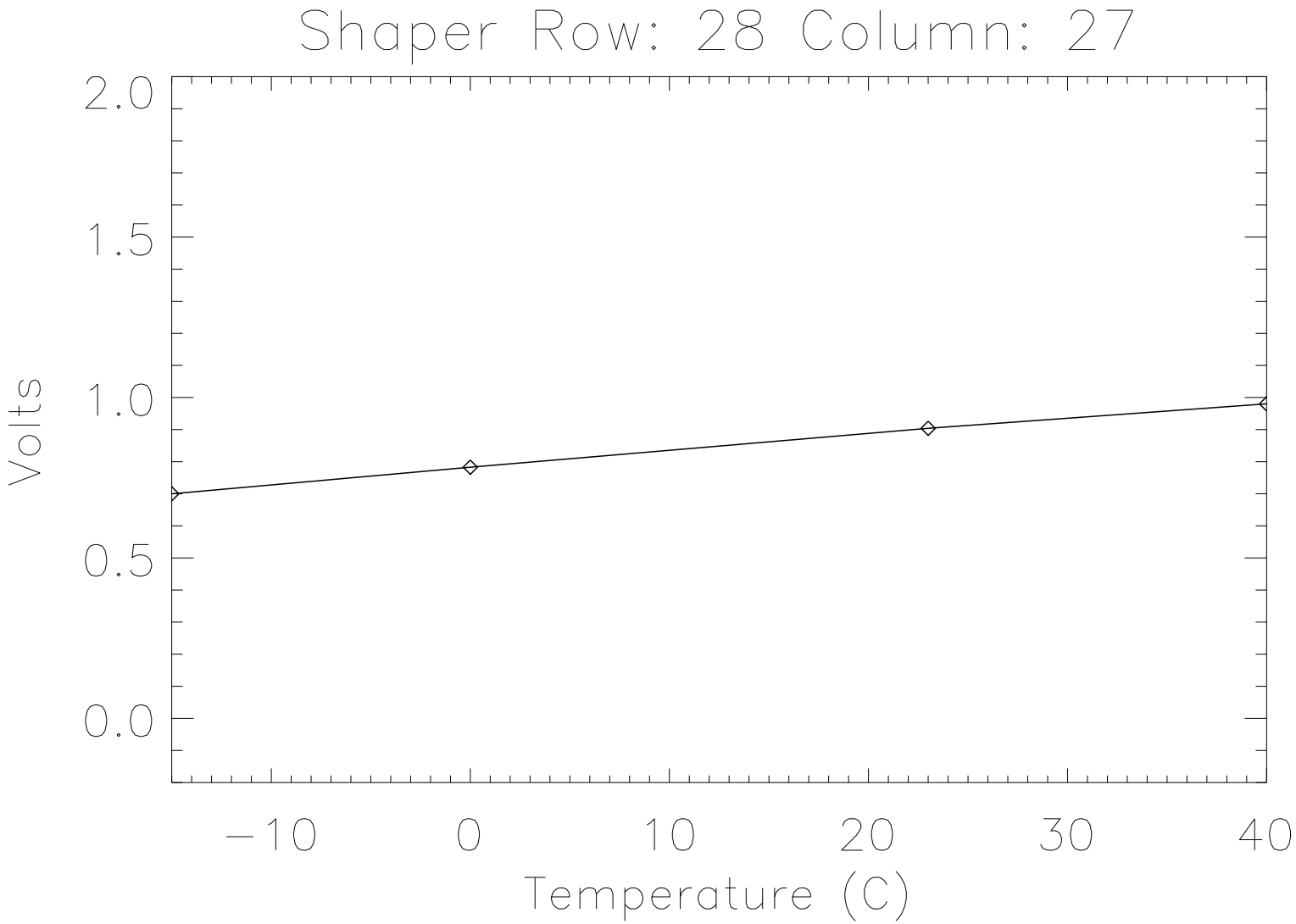
30
40
Temperature (C)


Shaper Row: 28 Column: 27
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1.5
1.0
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Volts
−10
0
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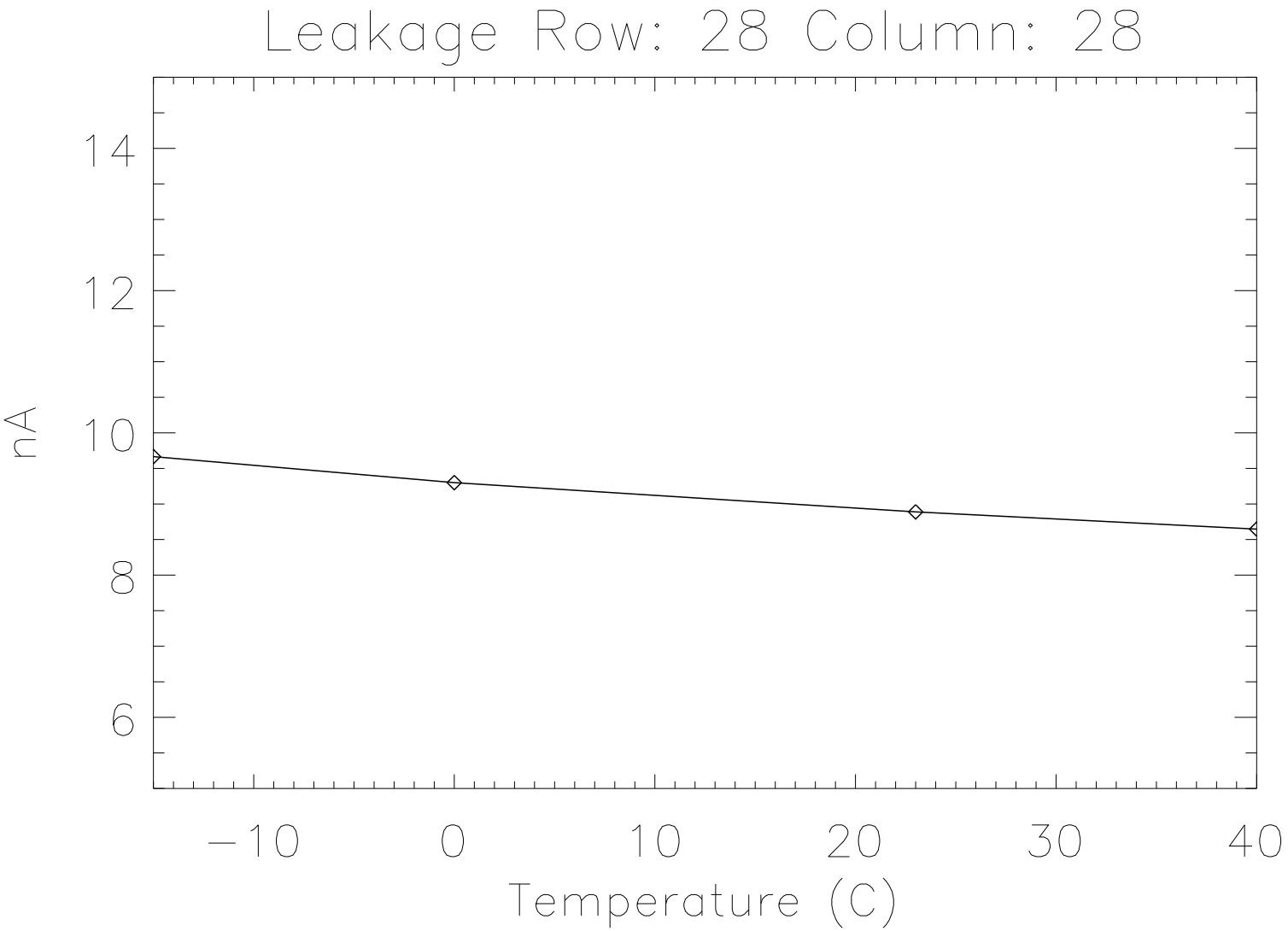
30
40
Temperature (C)


Leakage Row: 28 Column: 28
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nA
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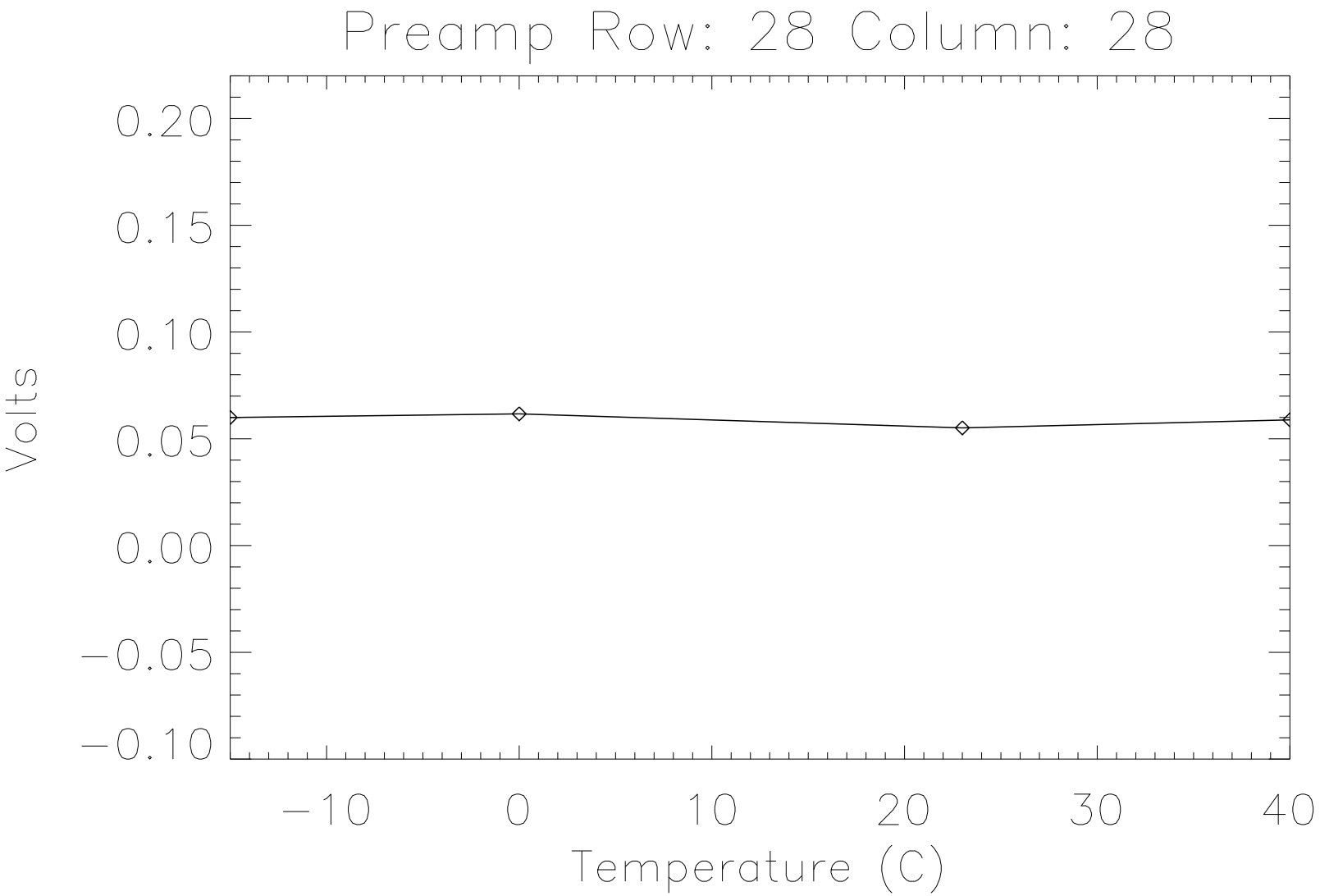
30
40
Temperature (C)


Preamp Row: 28 Column: 28
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Volts
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0
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30
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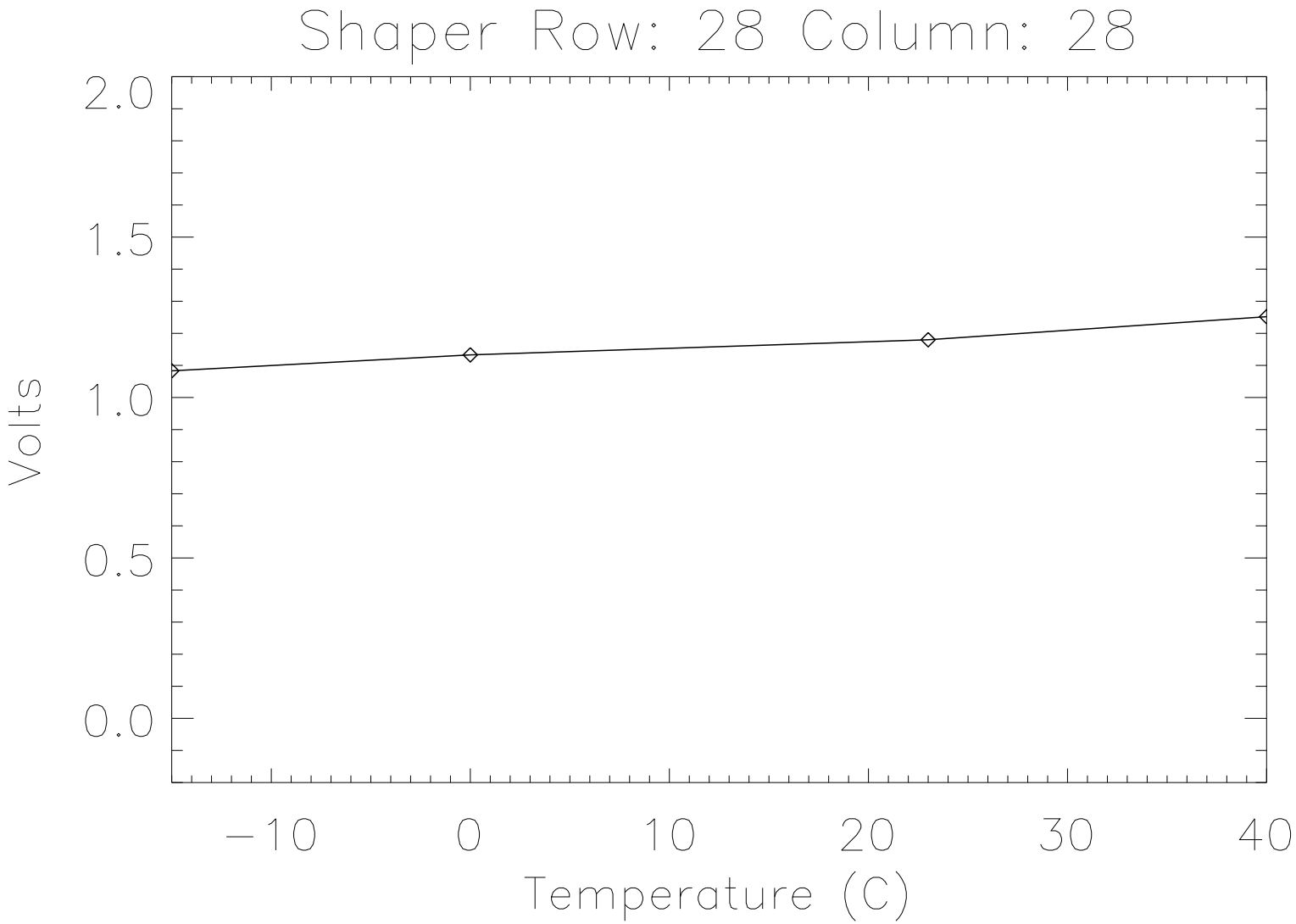
Temperature (C)


Shaper Row: 28 Column: 28
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1.0
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0.0
Volts
−10
0
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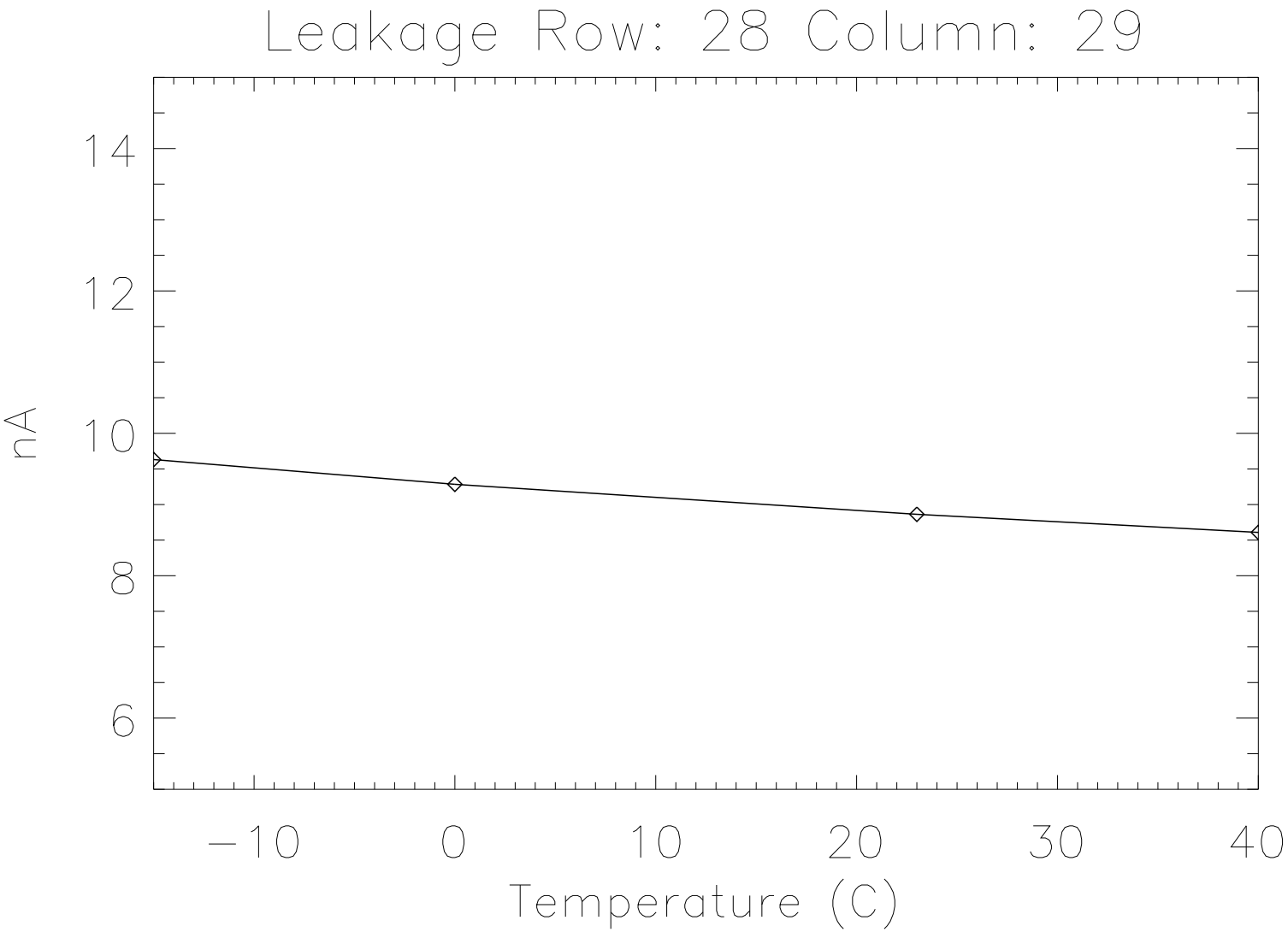
30
40
Temperature (C)


Leakage Row: 28 Column: 29
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8
6
−10
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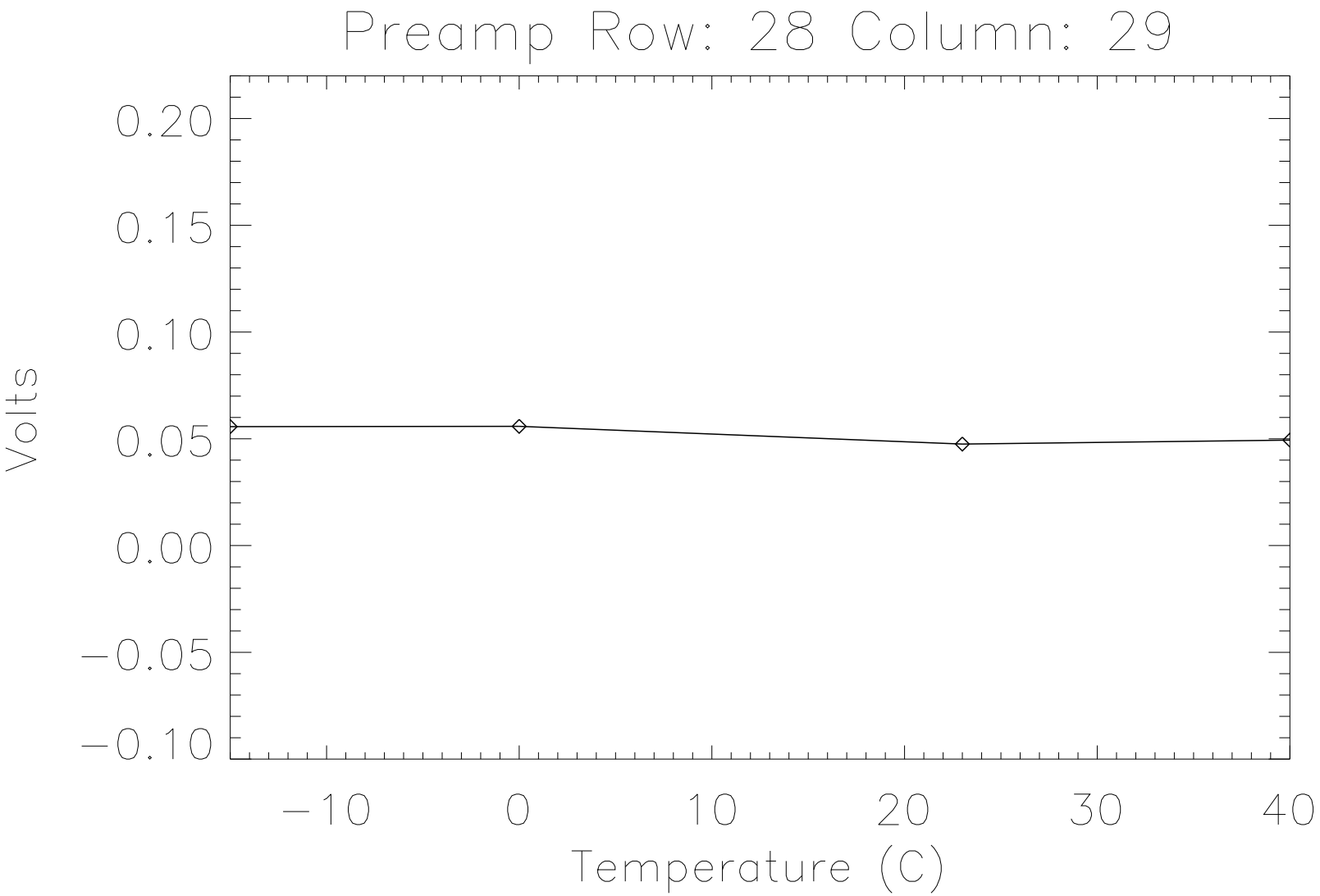
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 29
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0.00
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−0.10
Volts
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30
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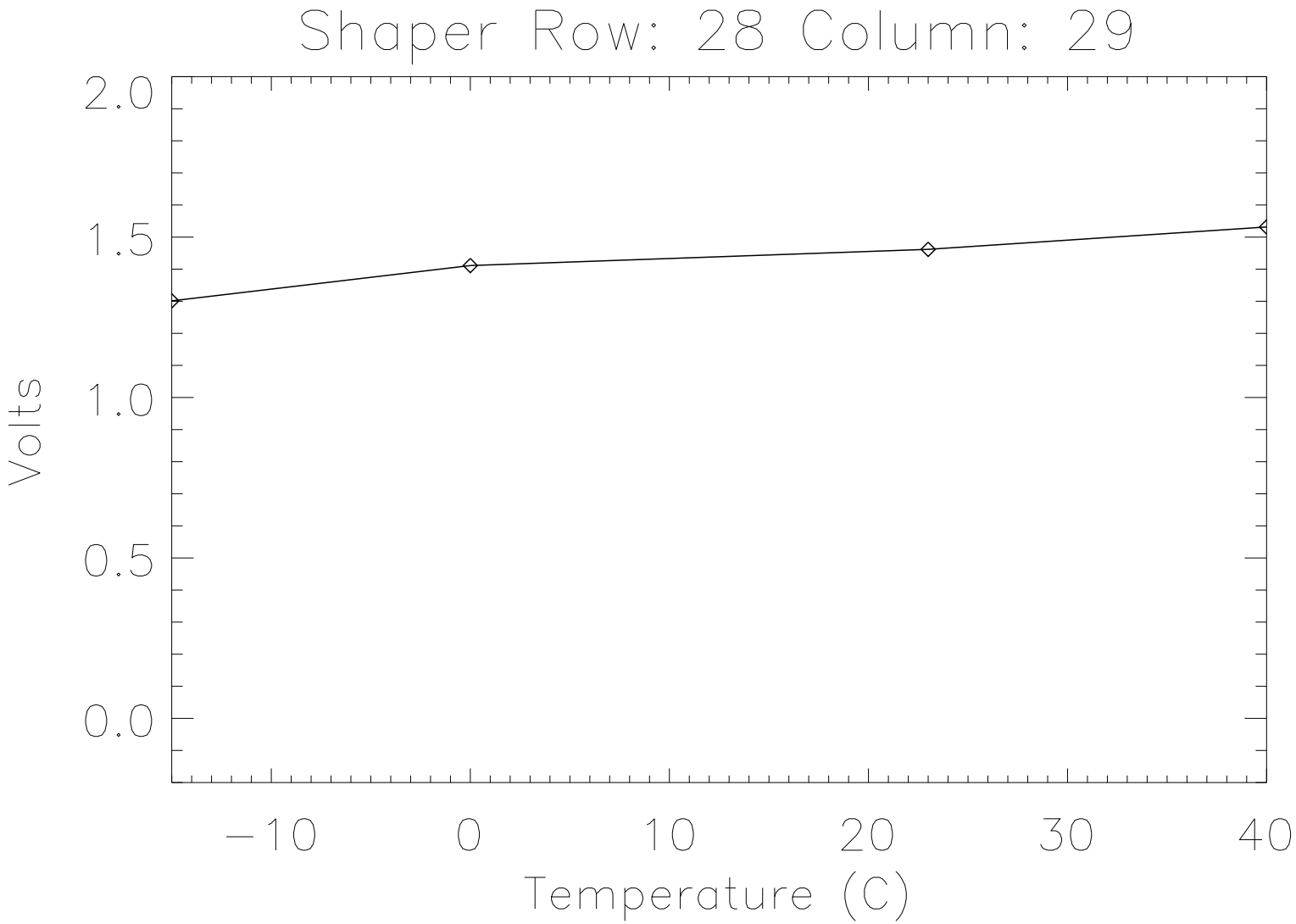
Temperature (C)


Shaper Row: 28 Column: 29
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1.0
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0.0
Volts
−10
0
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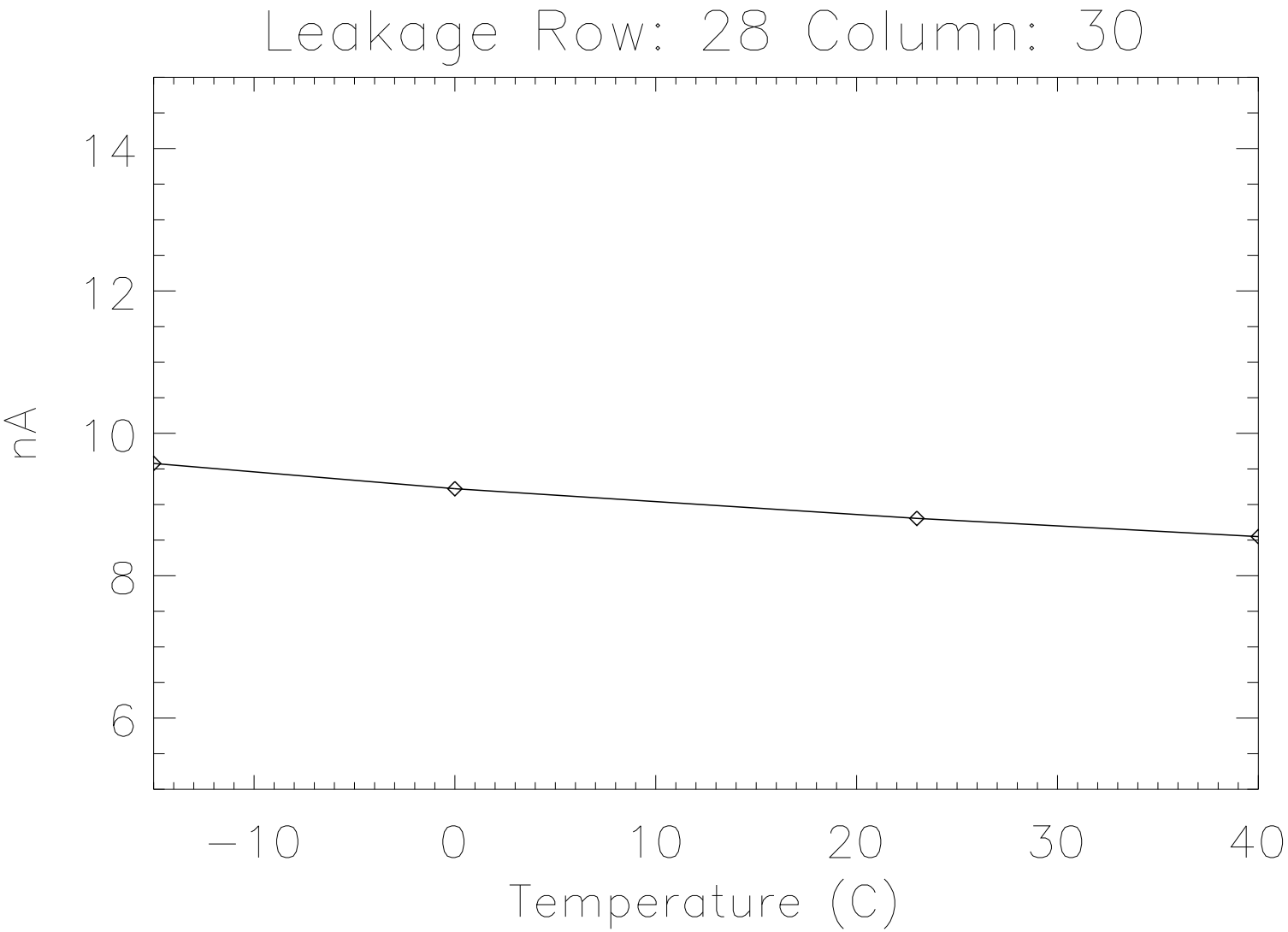
30
40
Temperature (C)


Leakage Row: 28 Column: 30
nA
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12
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8
6
−10
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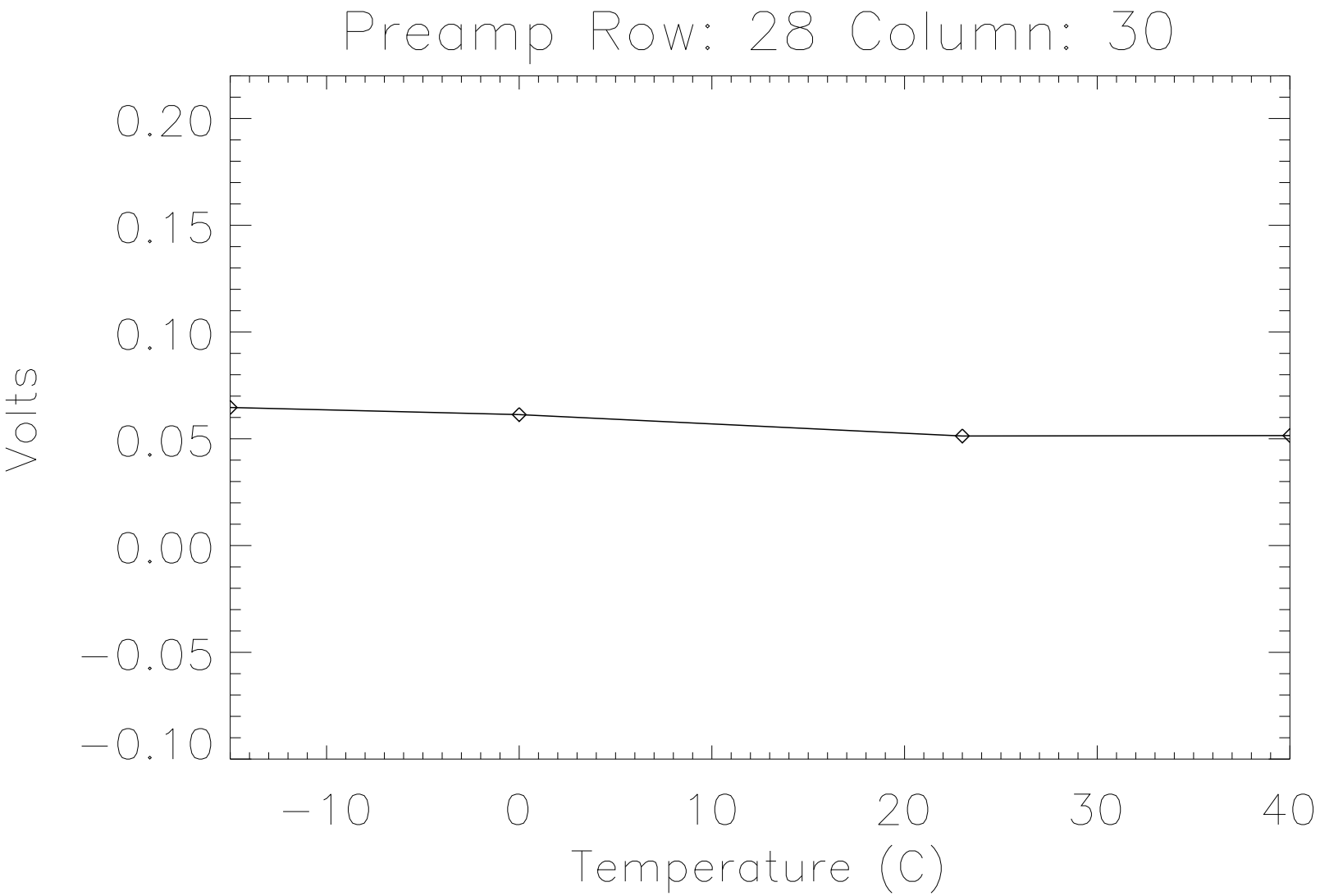
20
30
40
Temperature (C)


Preamp Row: 28 Column: 30
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0.10
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Volts
−10
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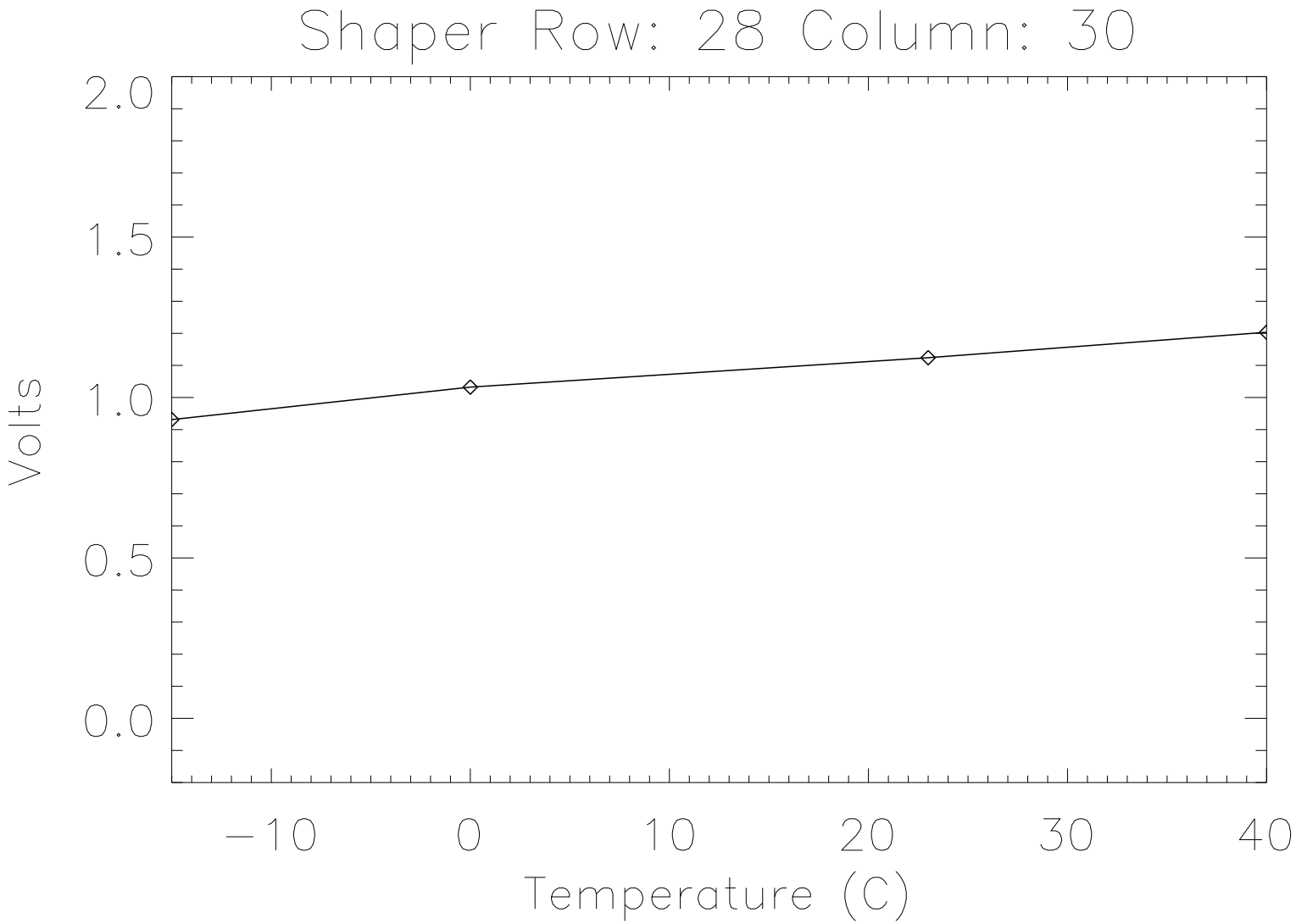
20
30
40
Temperature (C)


Shaper Row: 28 Column: 30
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1.0
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0.0
Volts
−10
0
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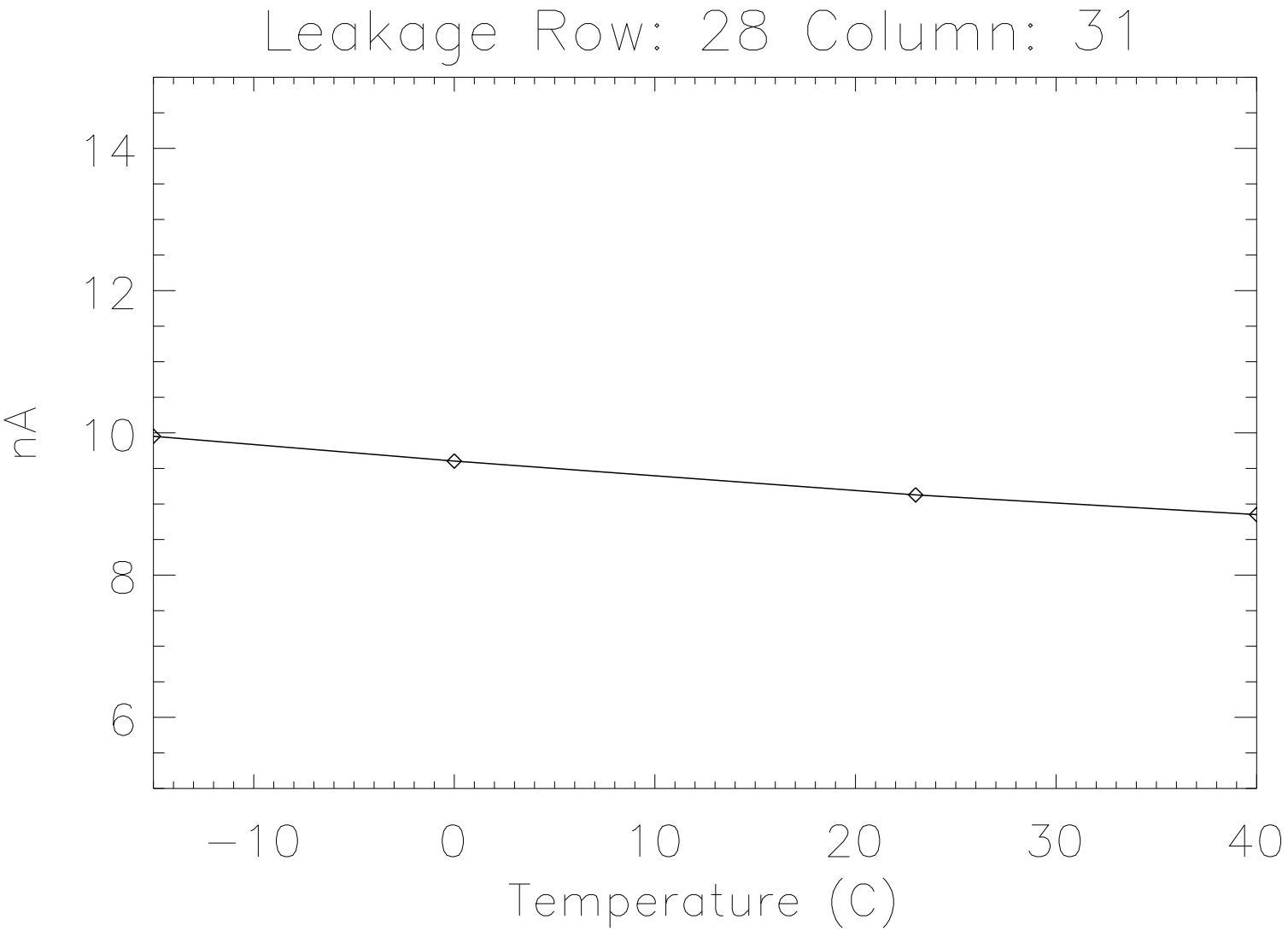
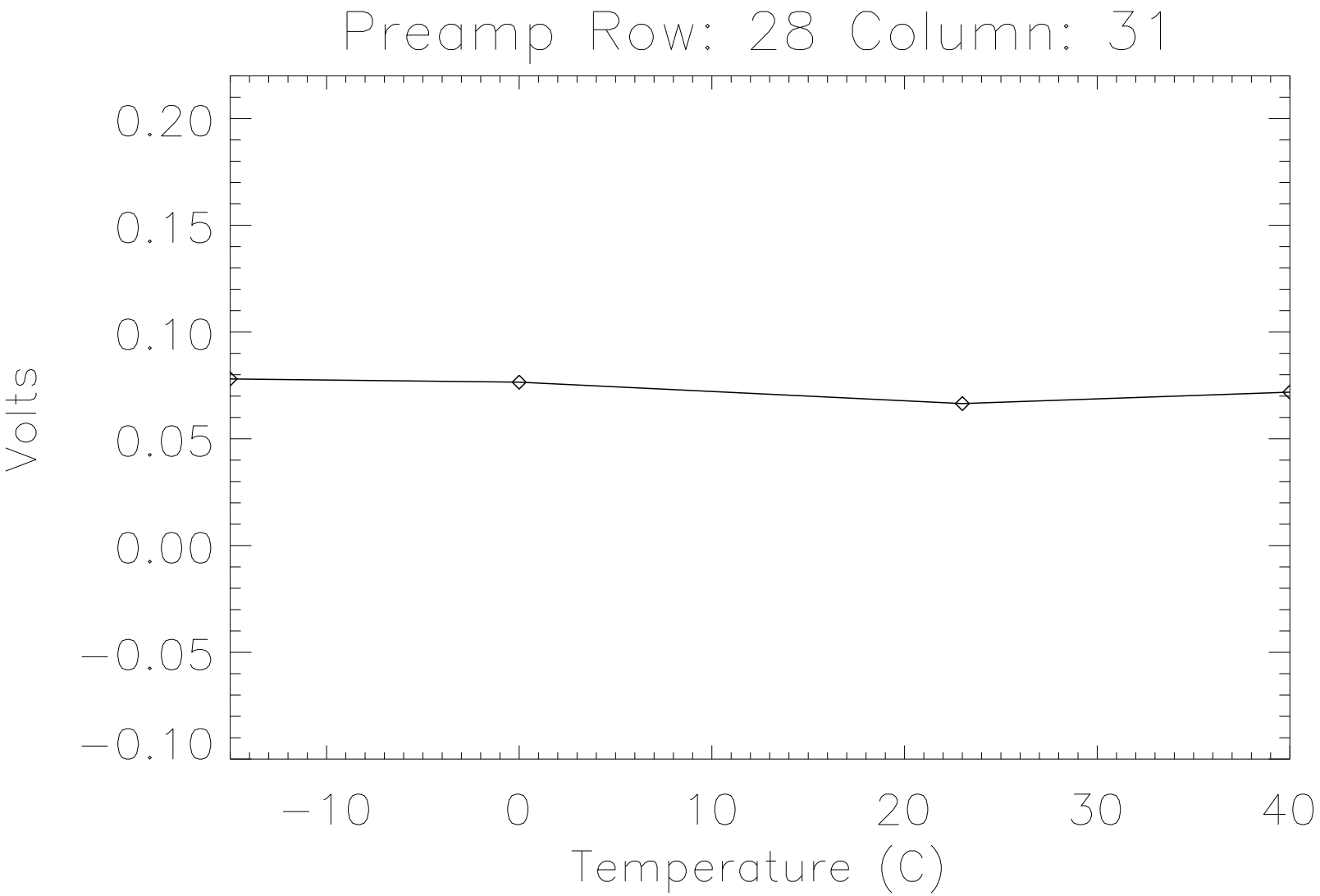
20
30
40
Temperature (C)


Leakage Row: 28 Column: 31
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 28 Column: 31
0.20
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0.10
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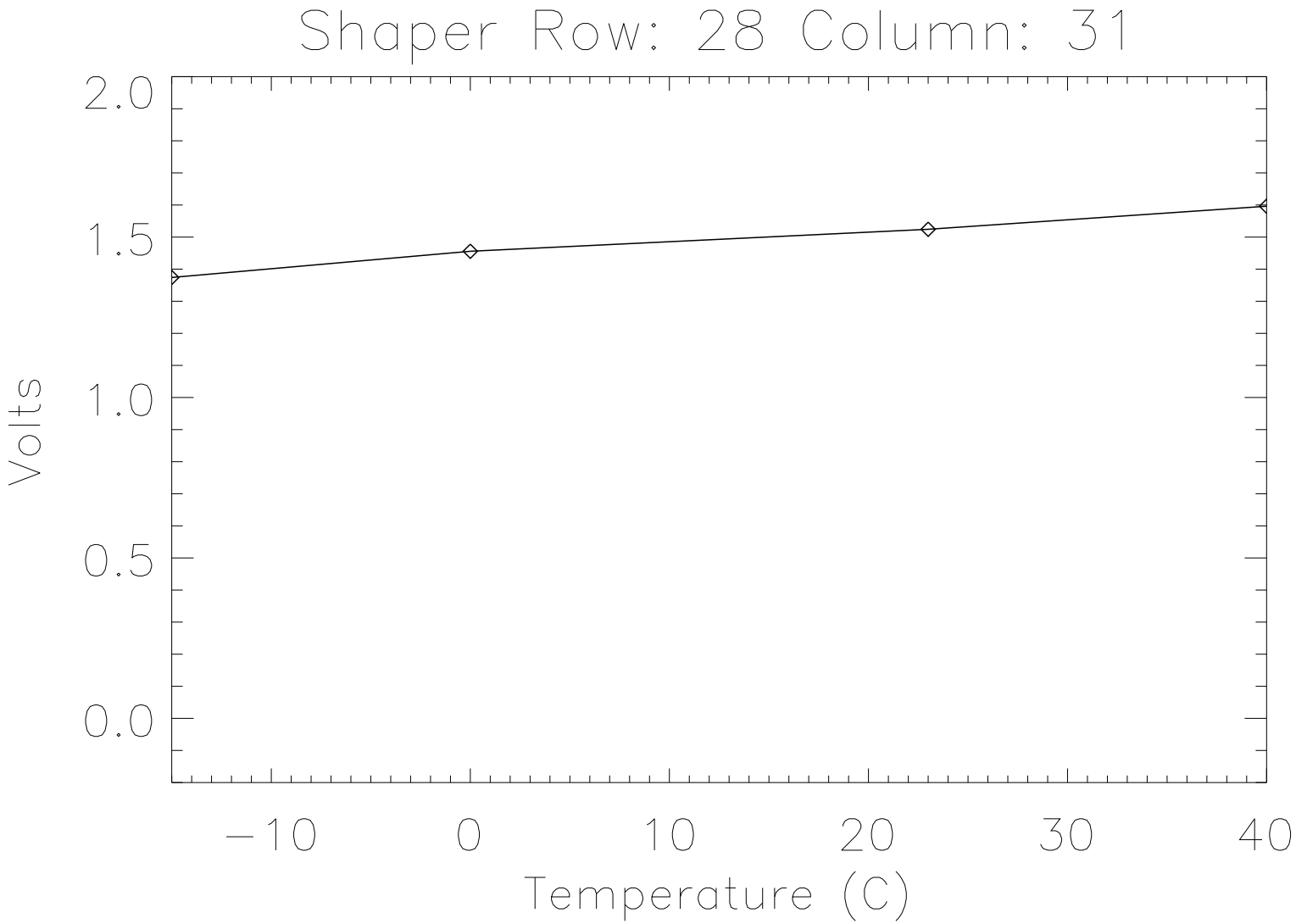
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 28 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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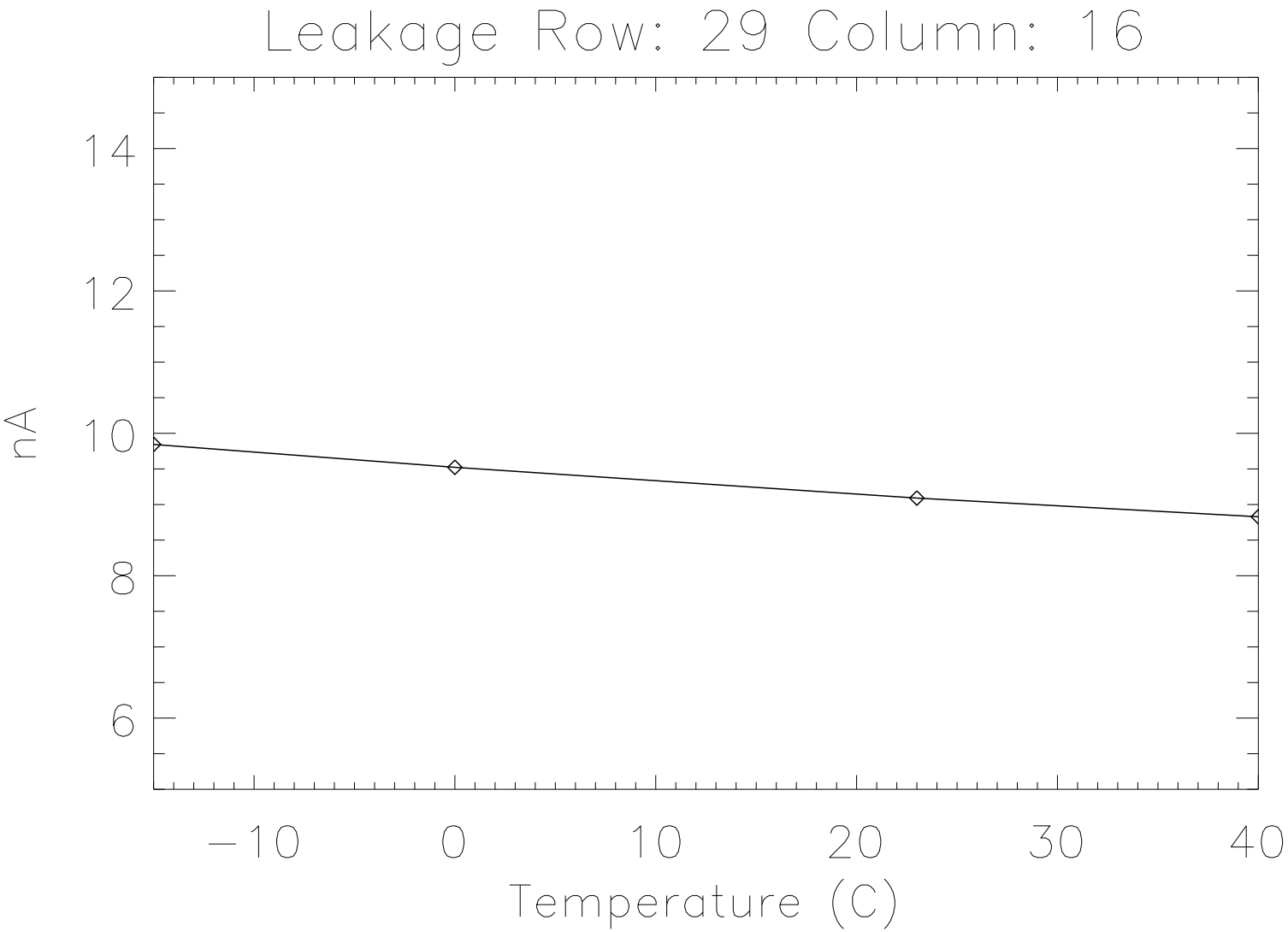
20
30
40
Temperature (C)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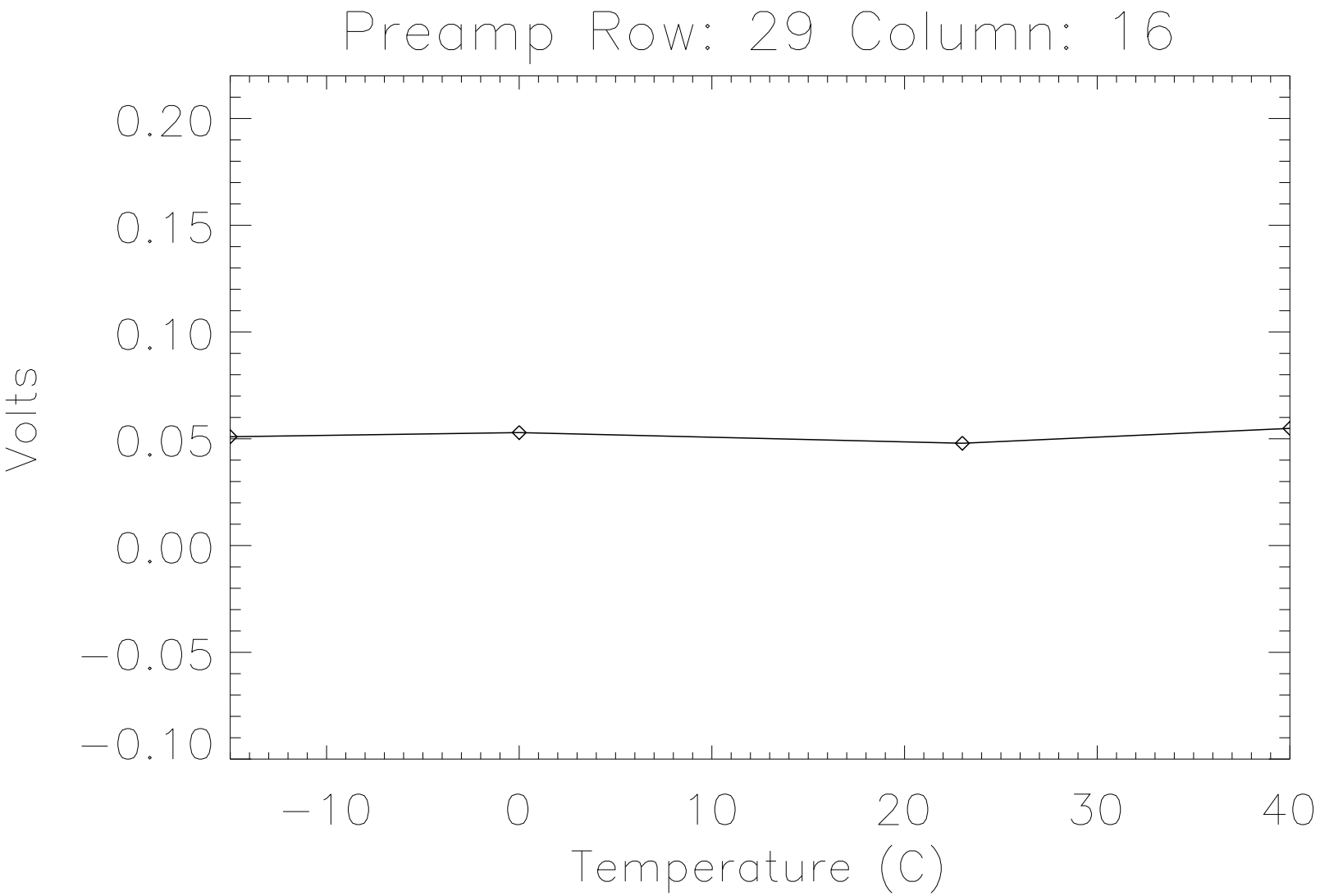
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 16
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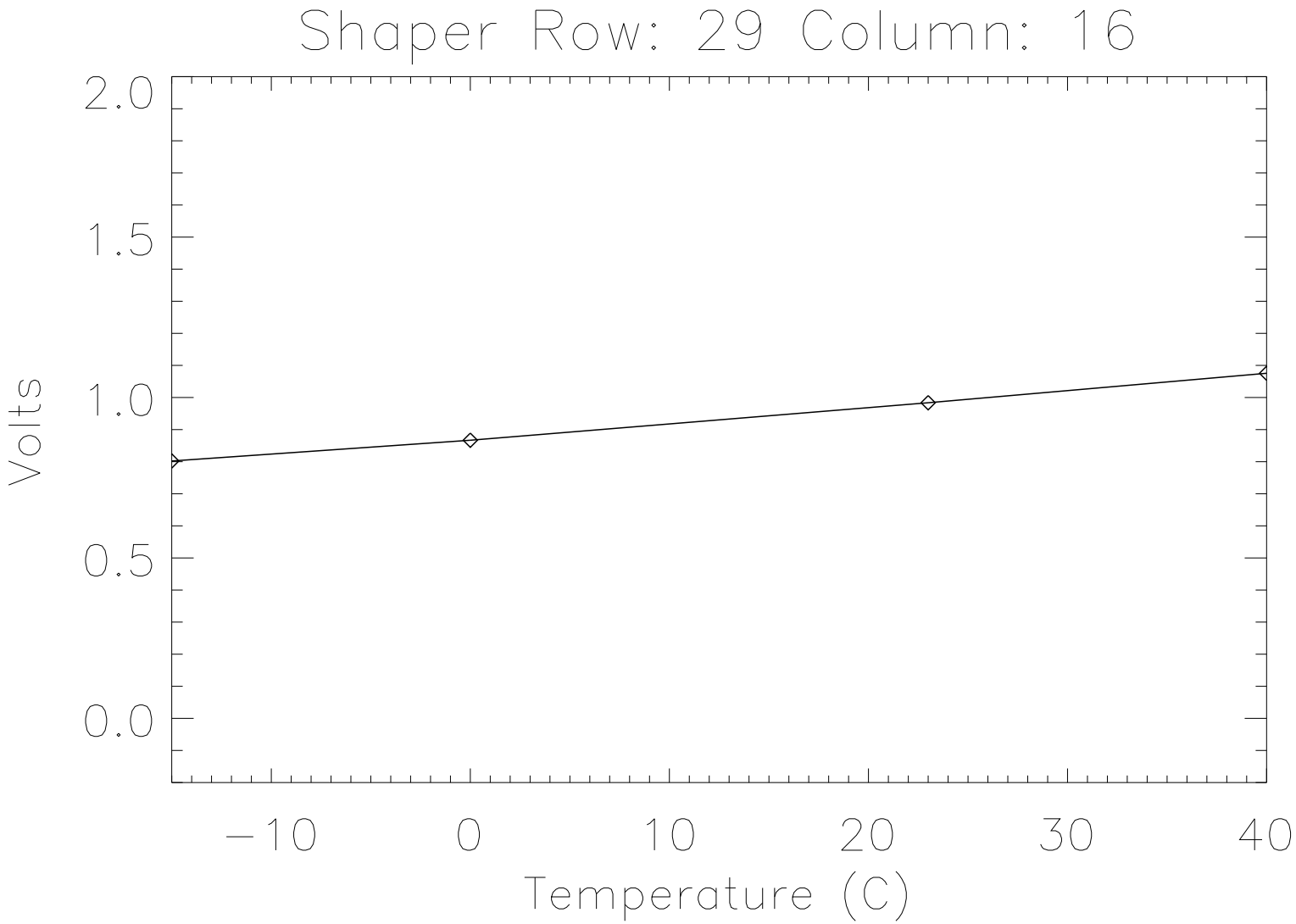
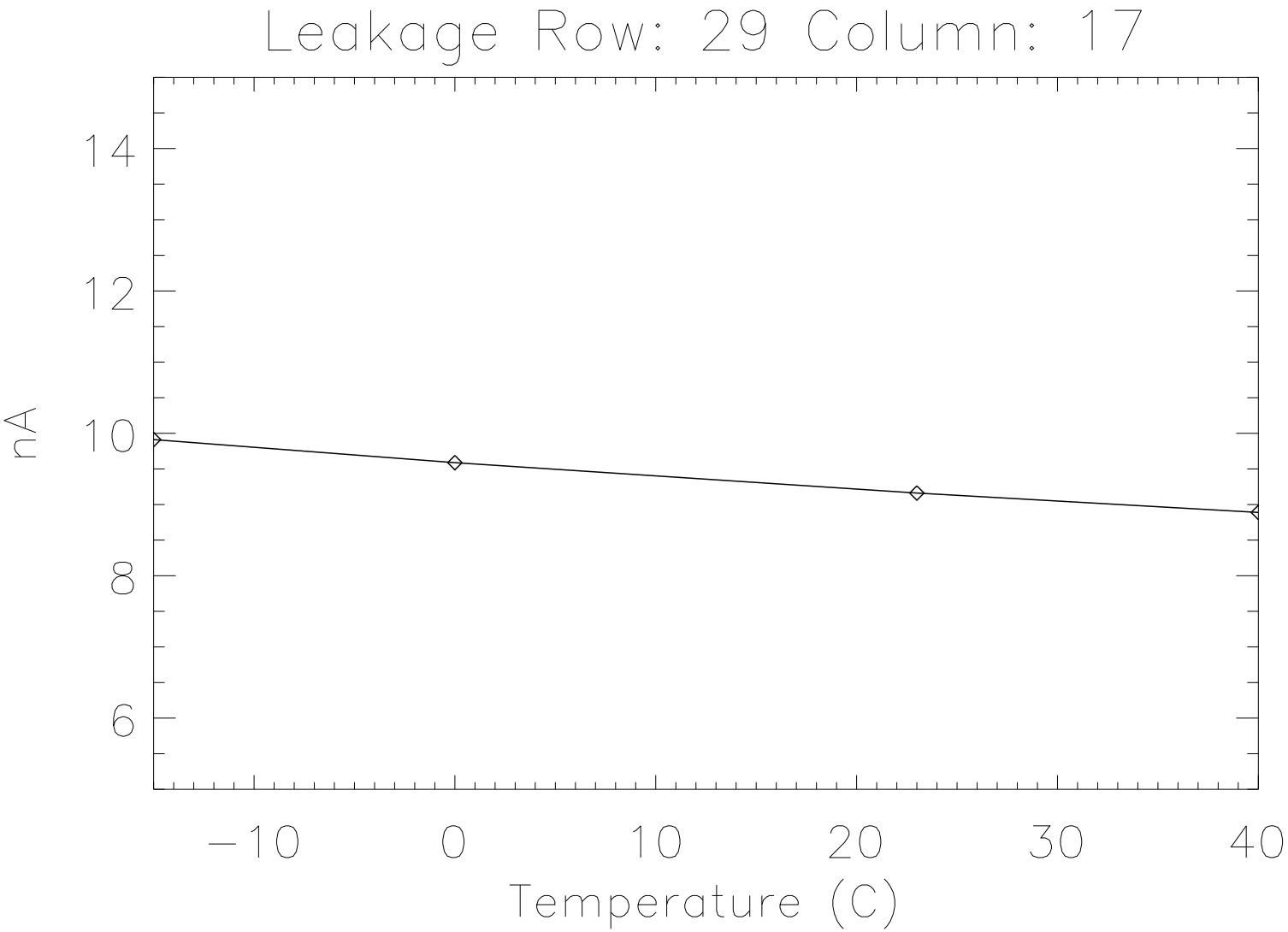
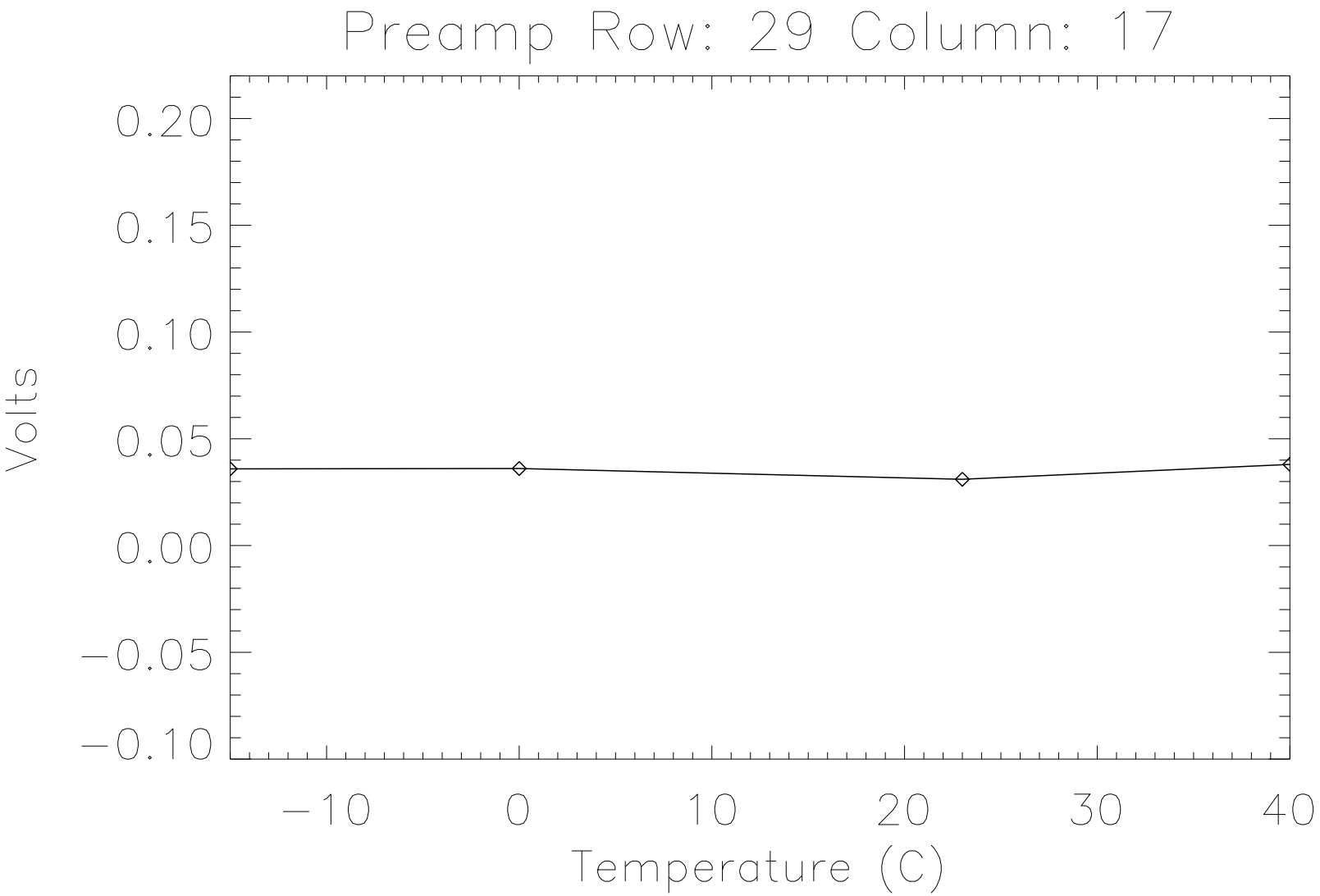
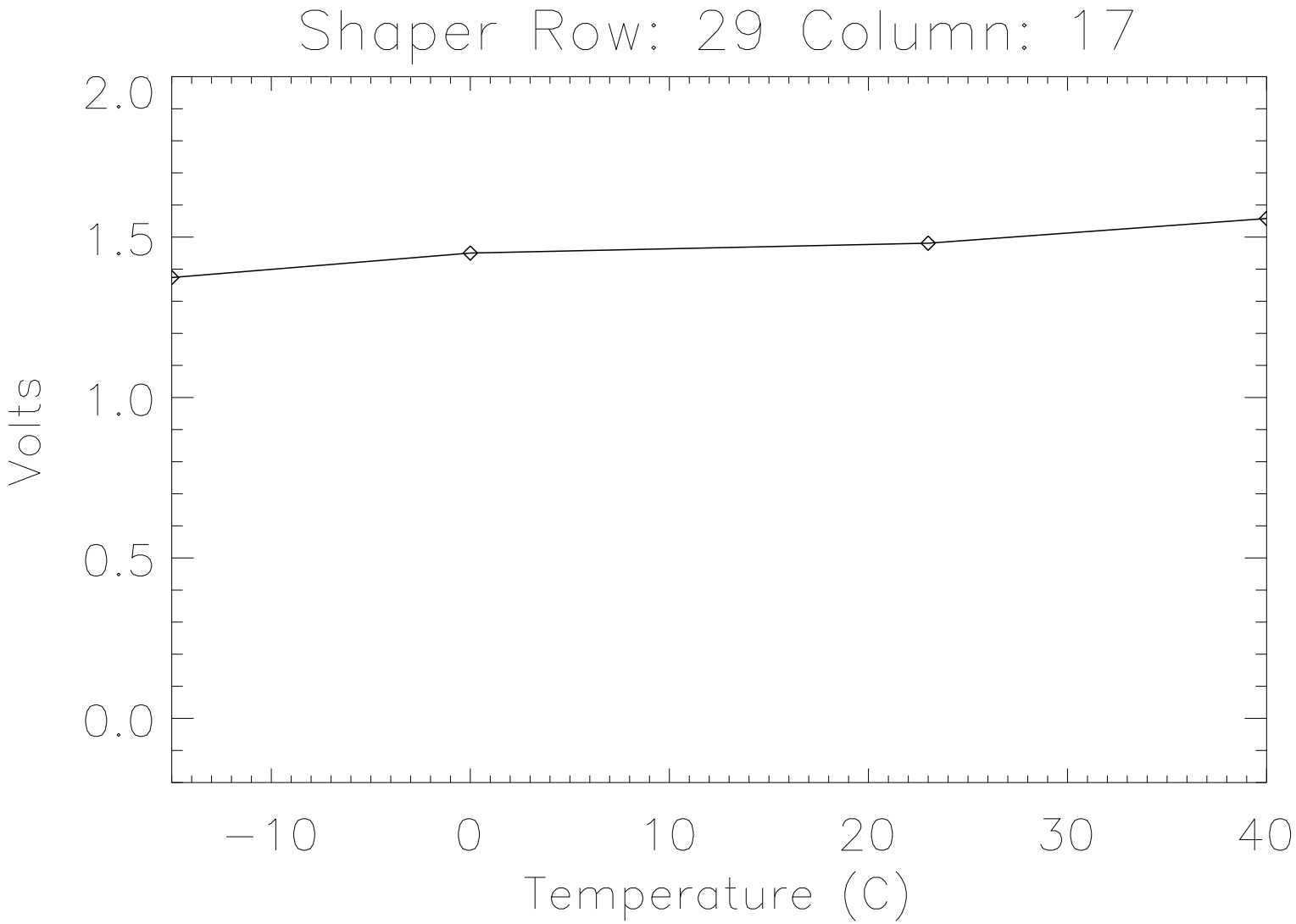
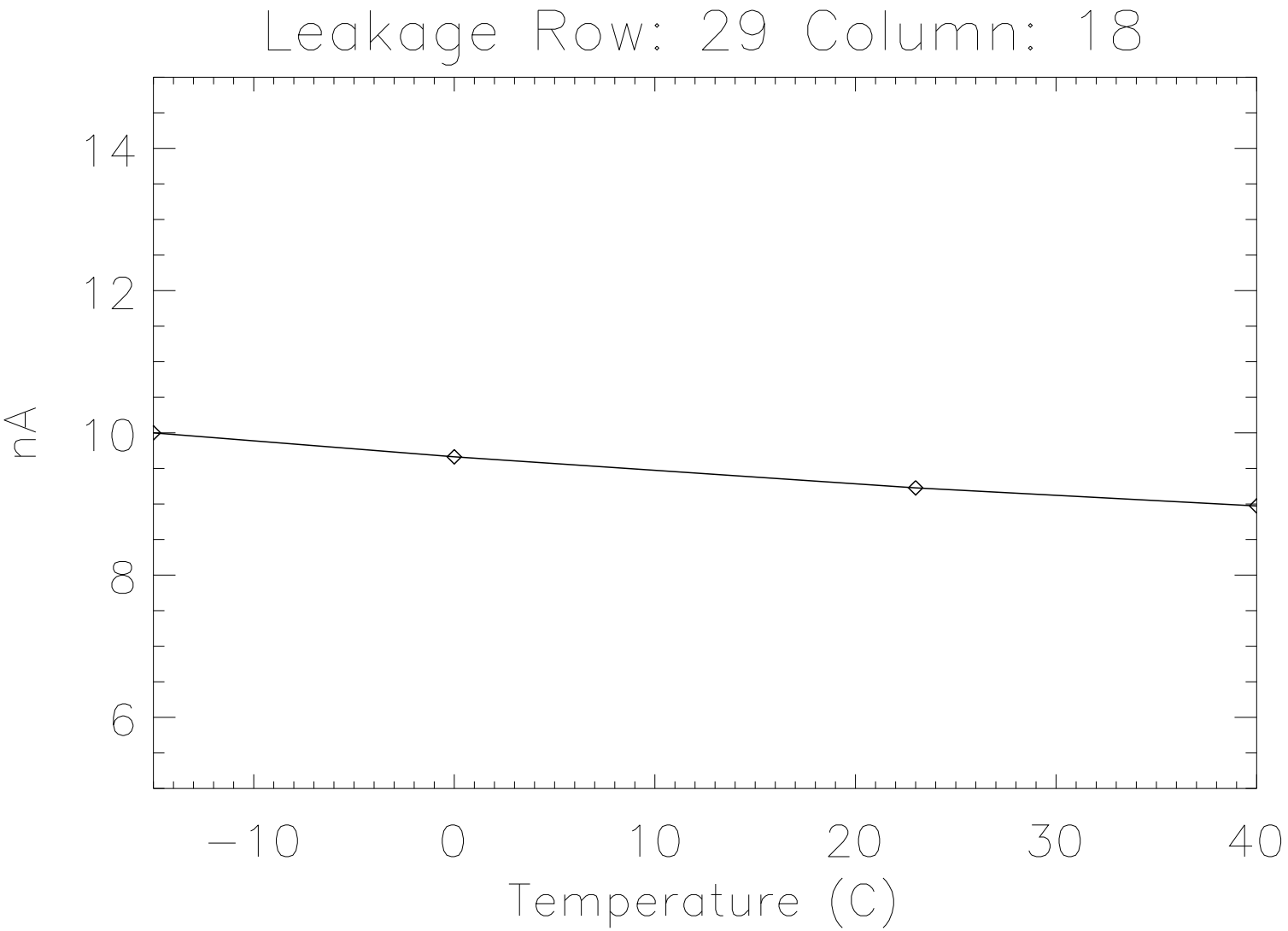
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

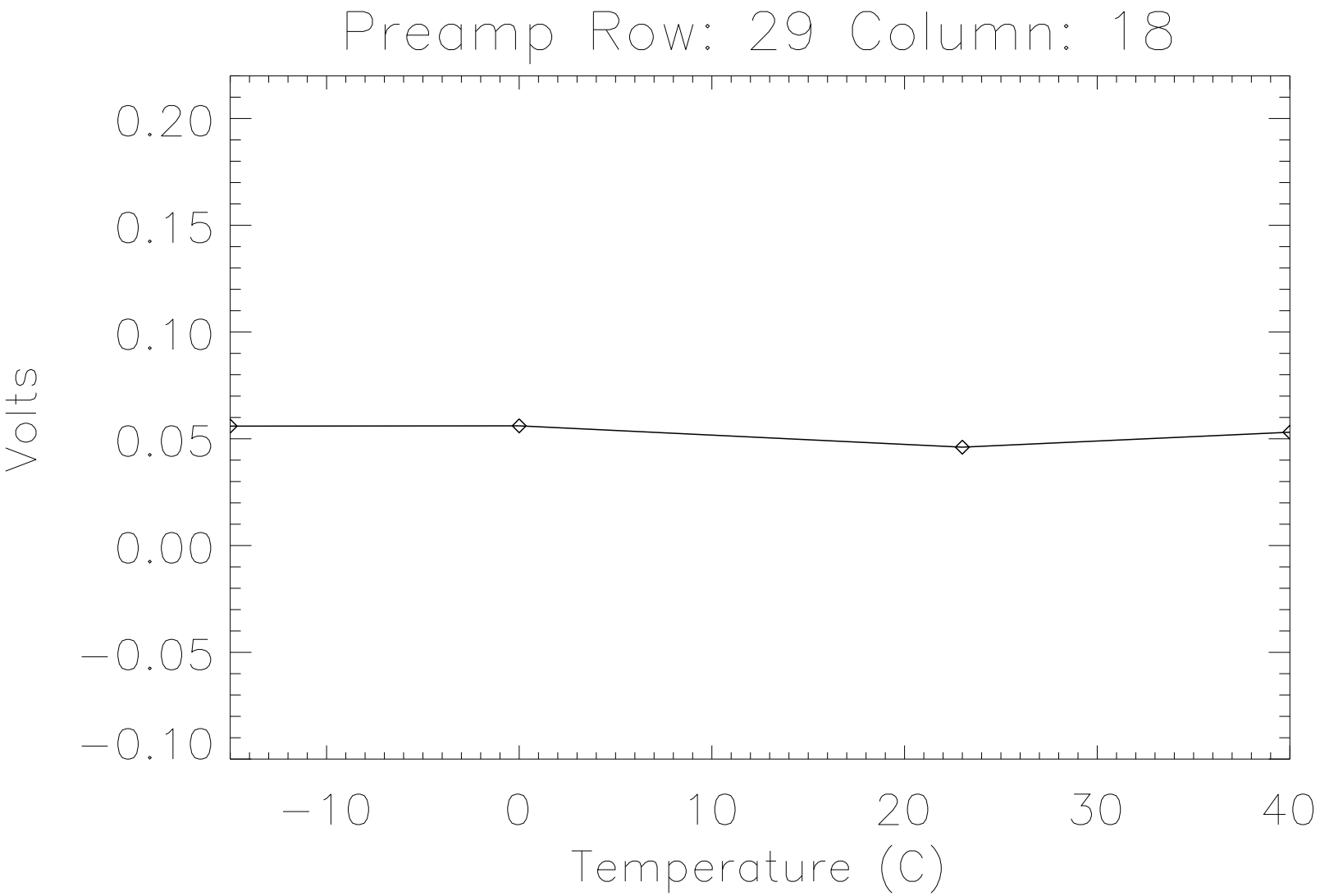

Shaper Row: 29 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 17
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 29 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 18
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 18
0.20
0.15
0.10
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0.00
−0.05
−0.10
Volts
−10
0
10
20
30
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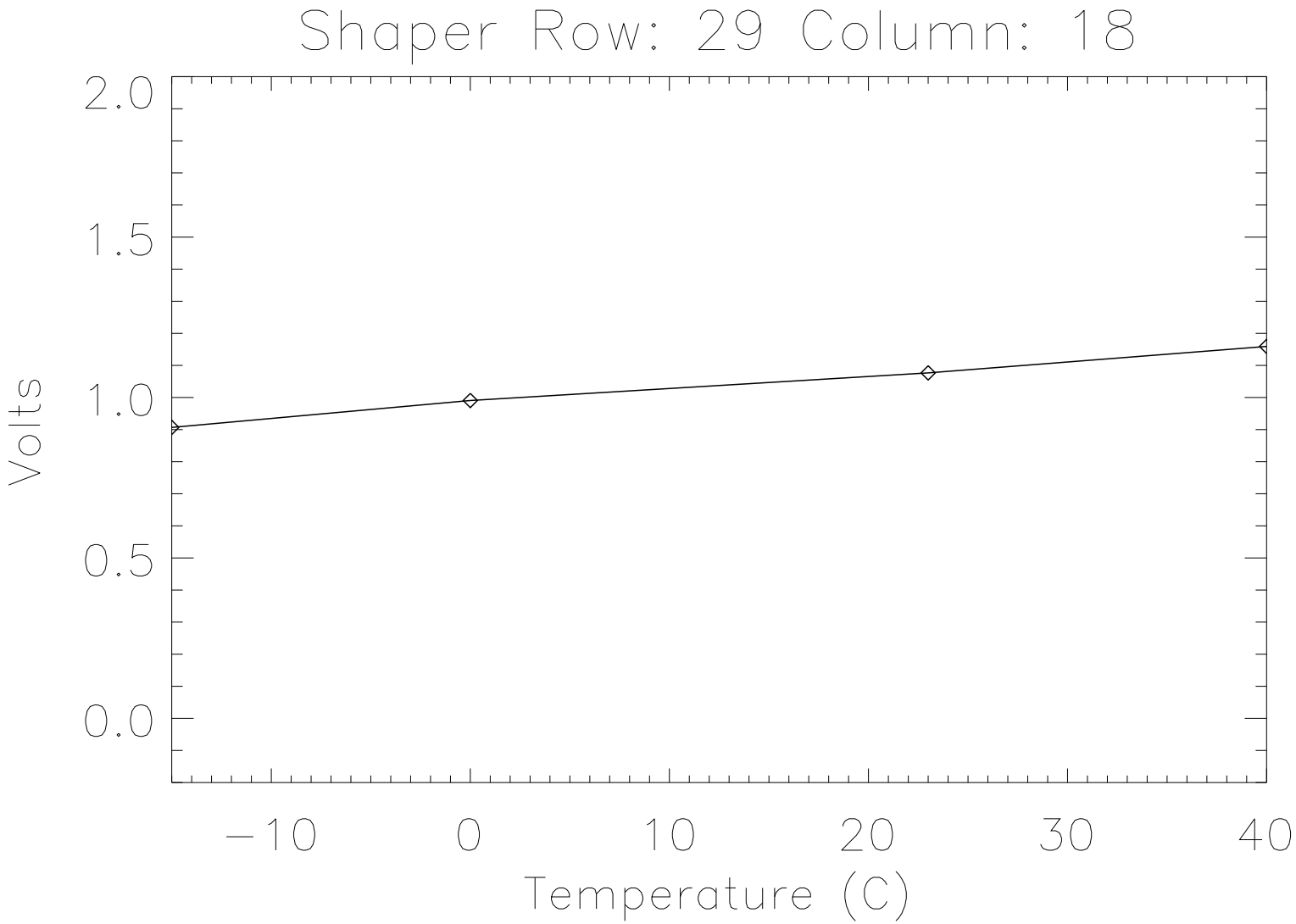
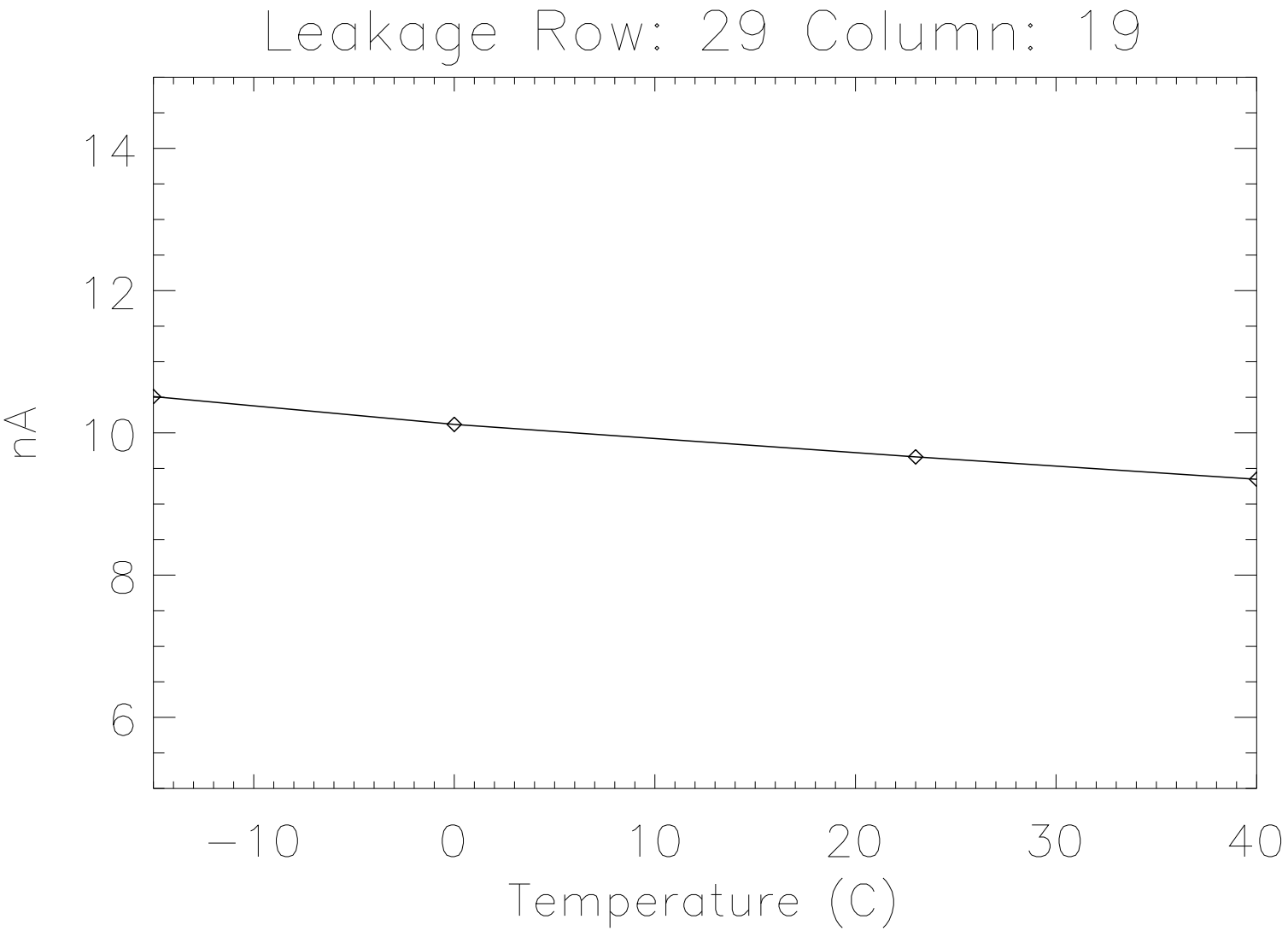
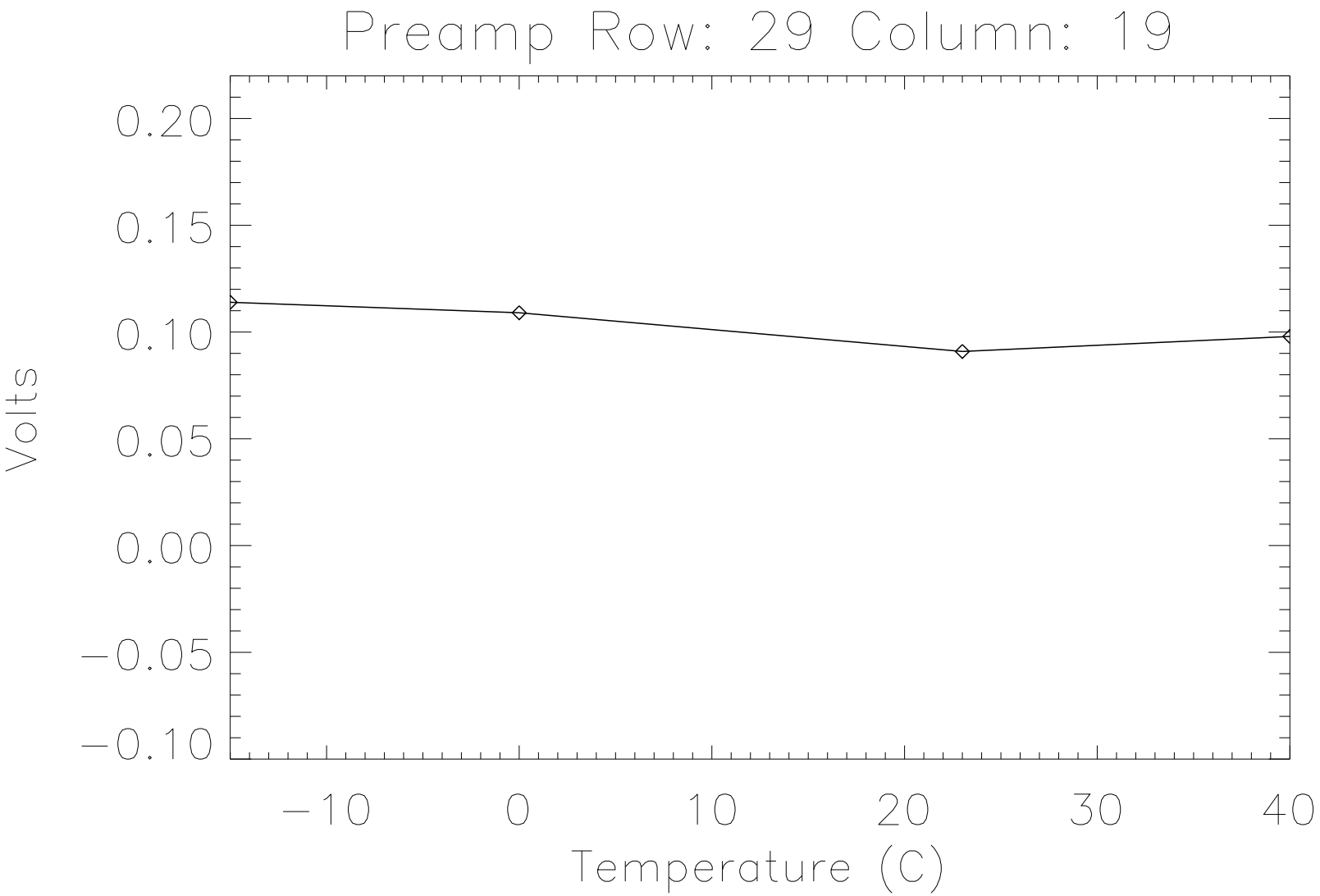
Temperature (C)


Shaper Row: 29 Column: 18
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 19
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 19
0.20
0.15
0.10
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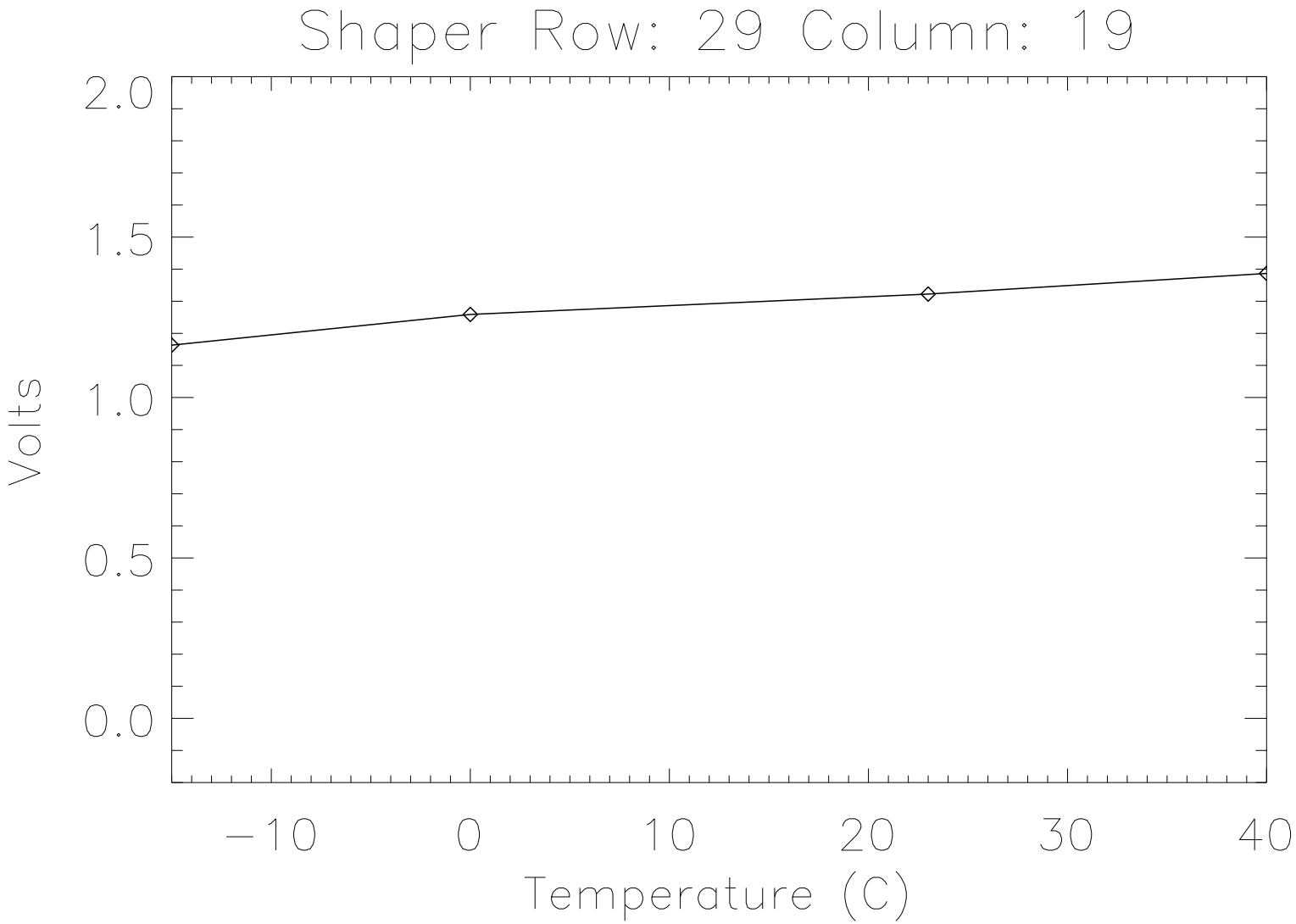
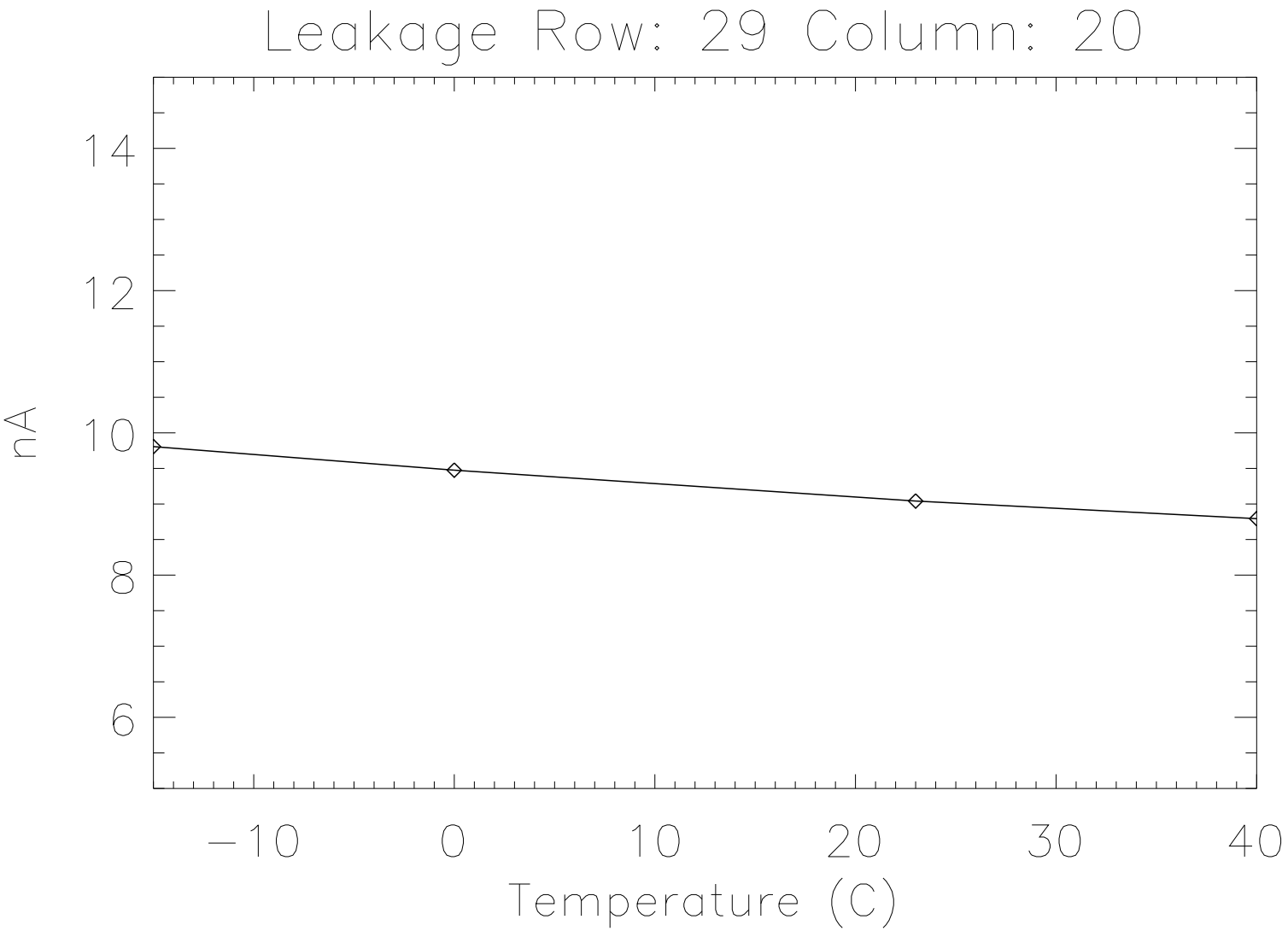
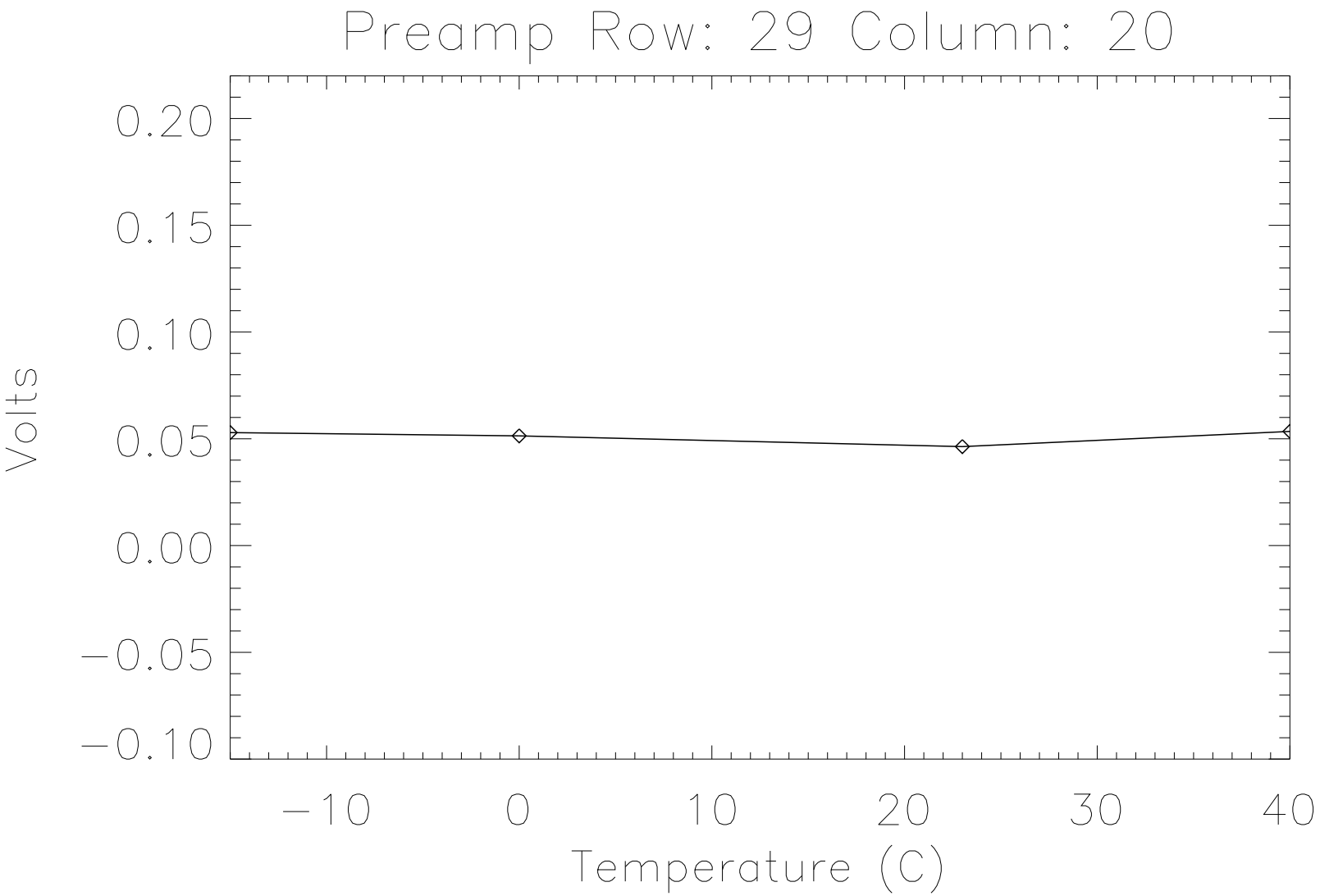
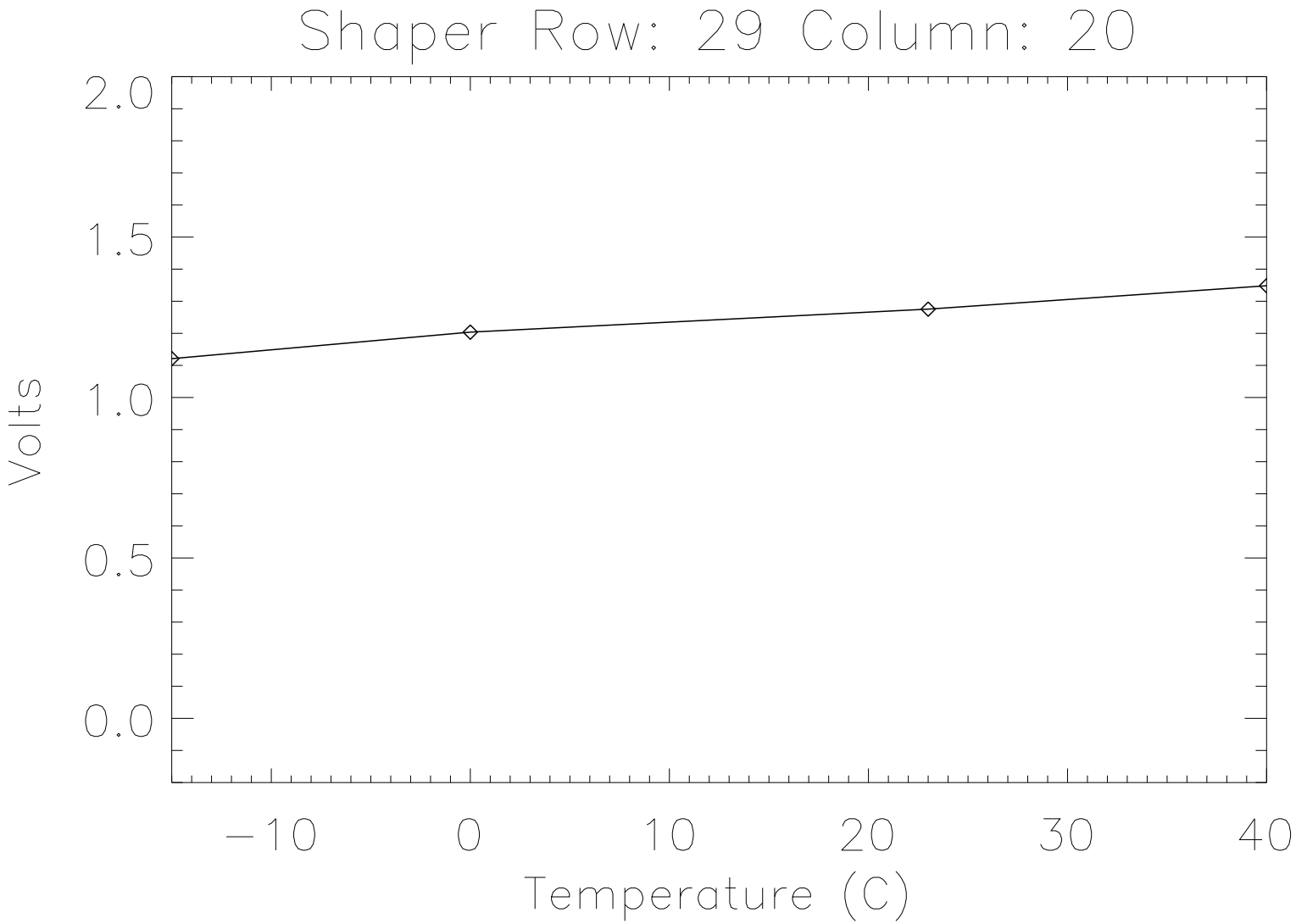
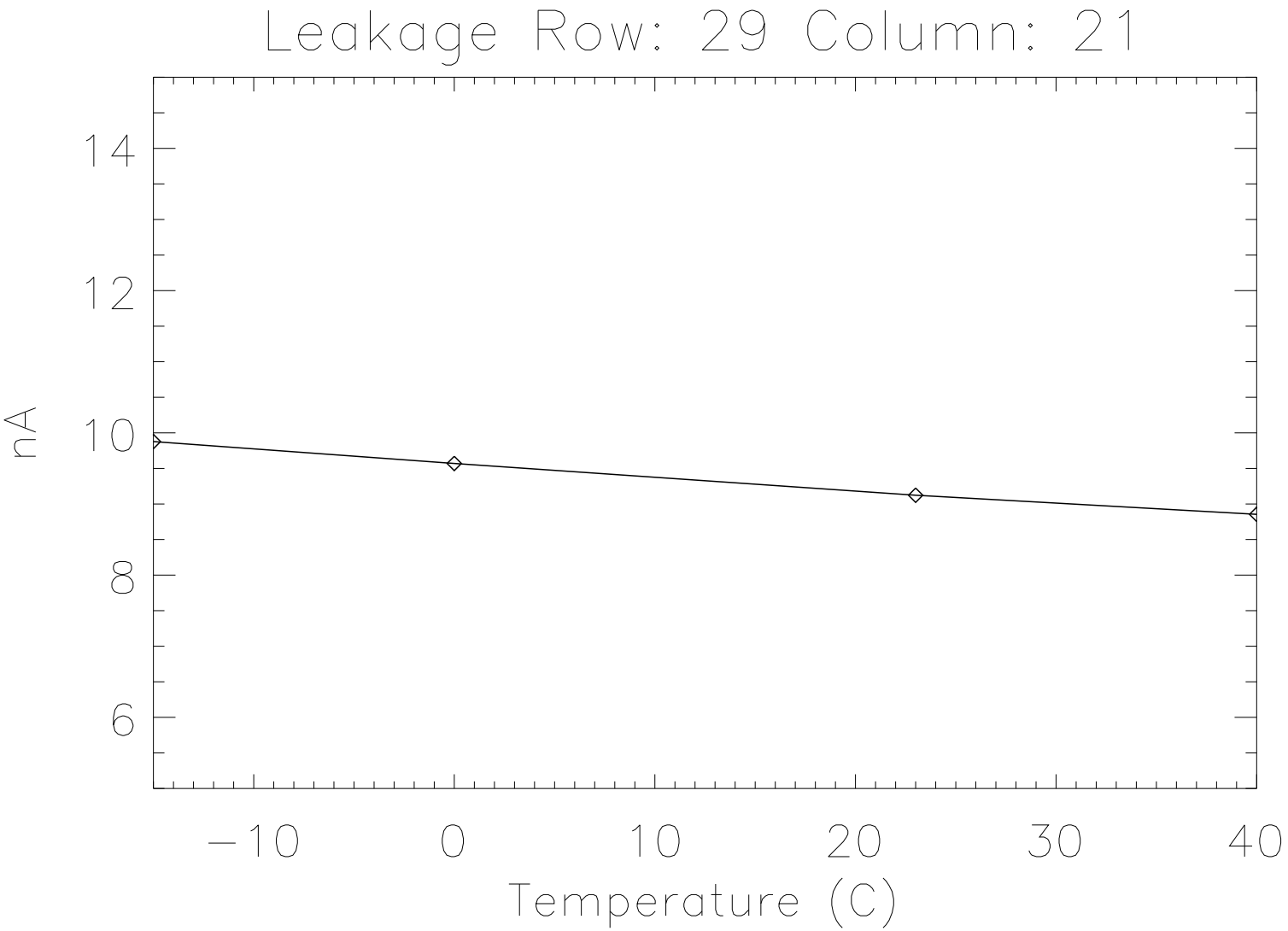
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

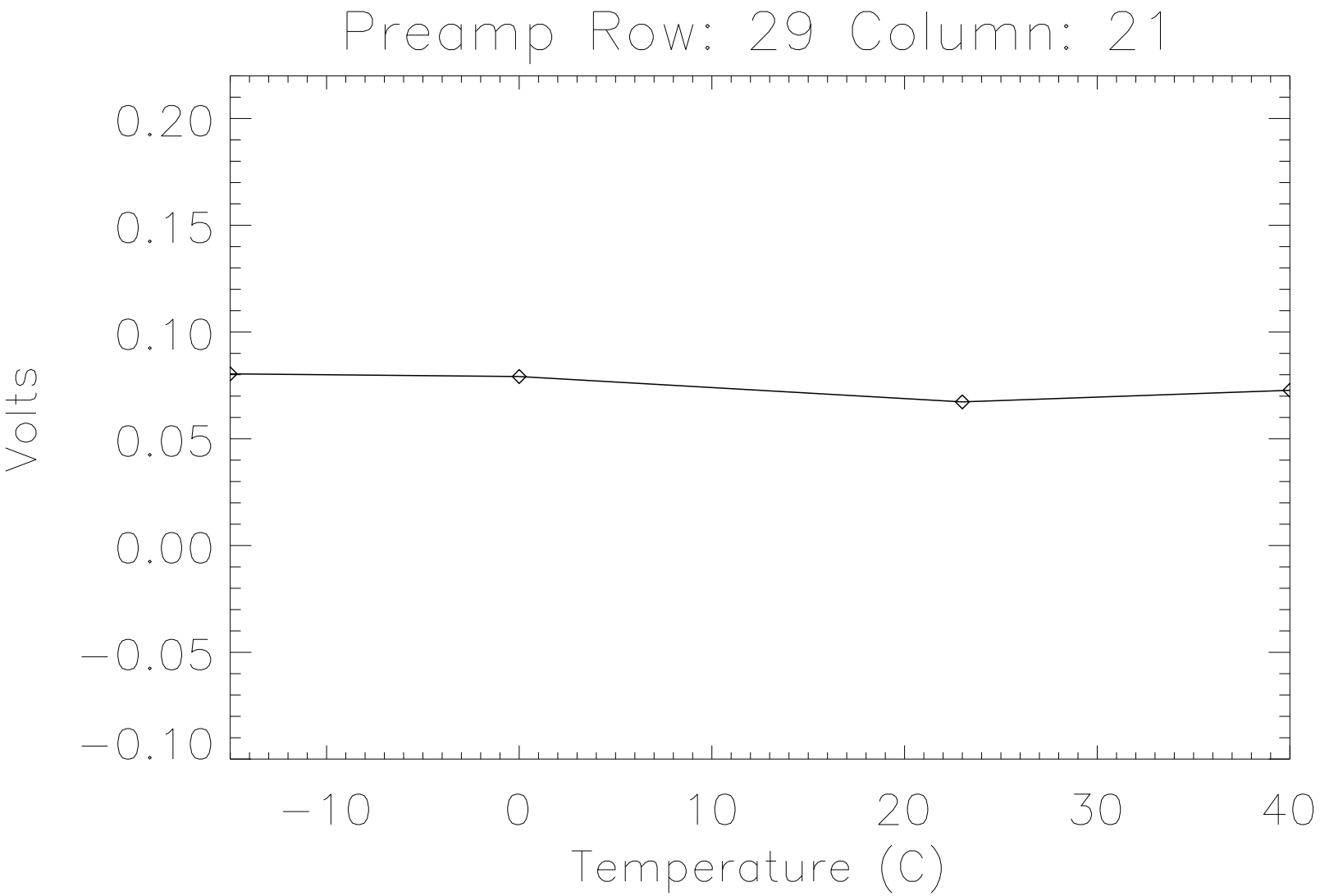

Shaper Row: 29 Column: 19
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 20
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 20
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 29 Column: 20
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 21
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 21
0.20
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0.10
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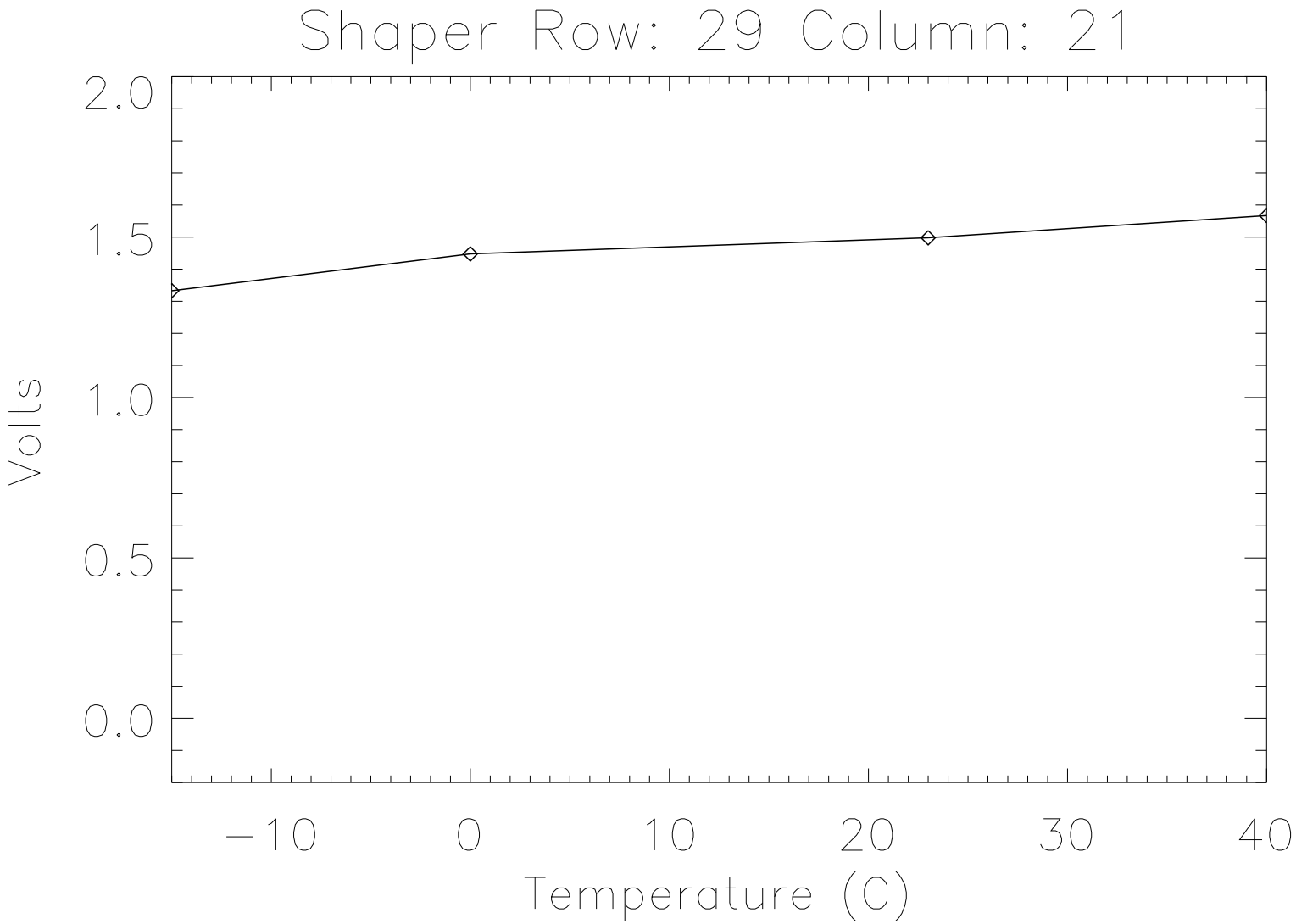
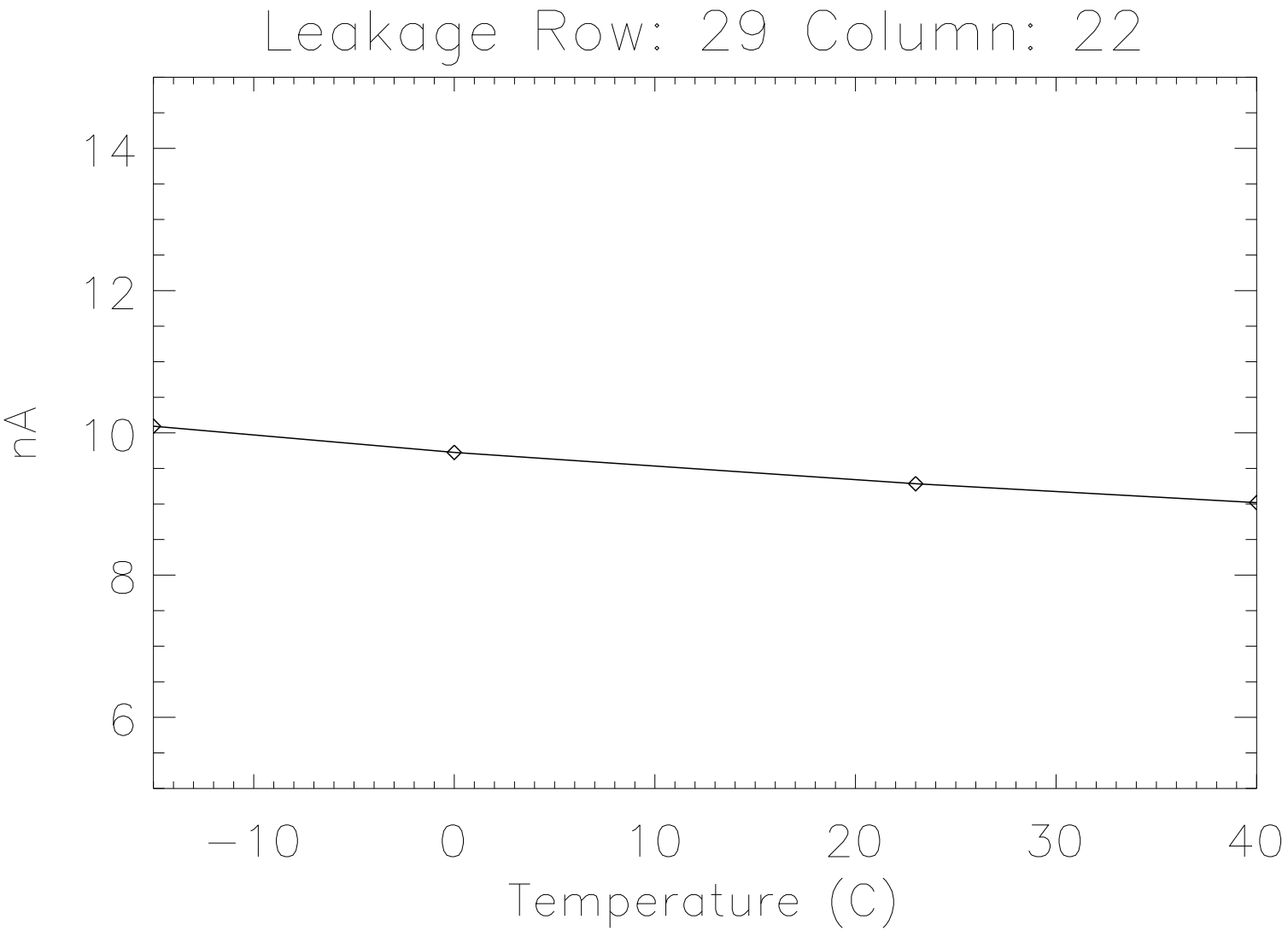
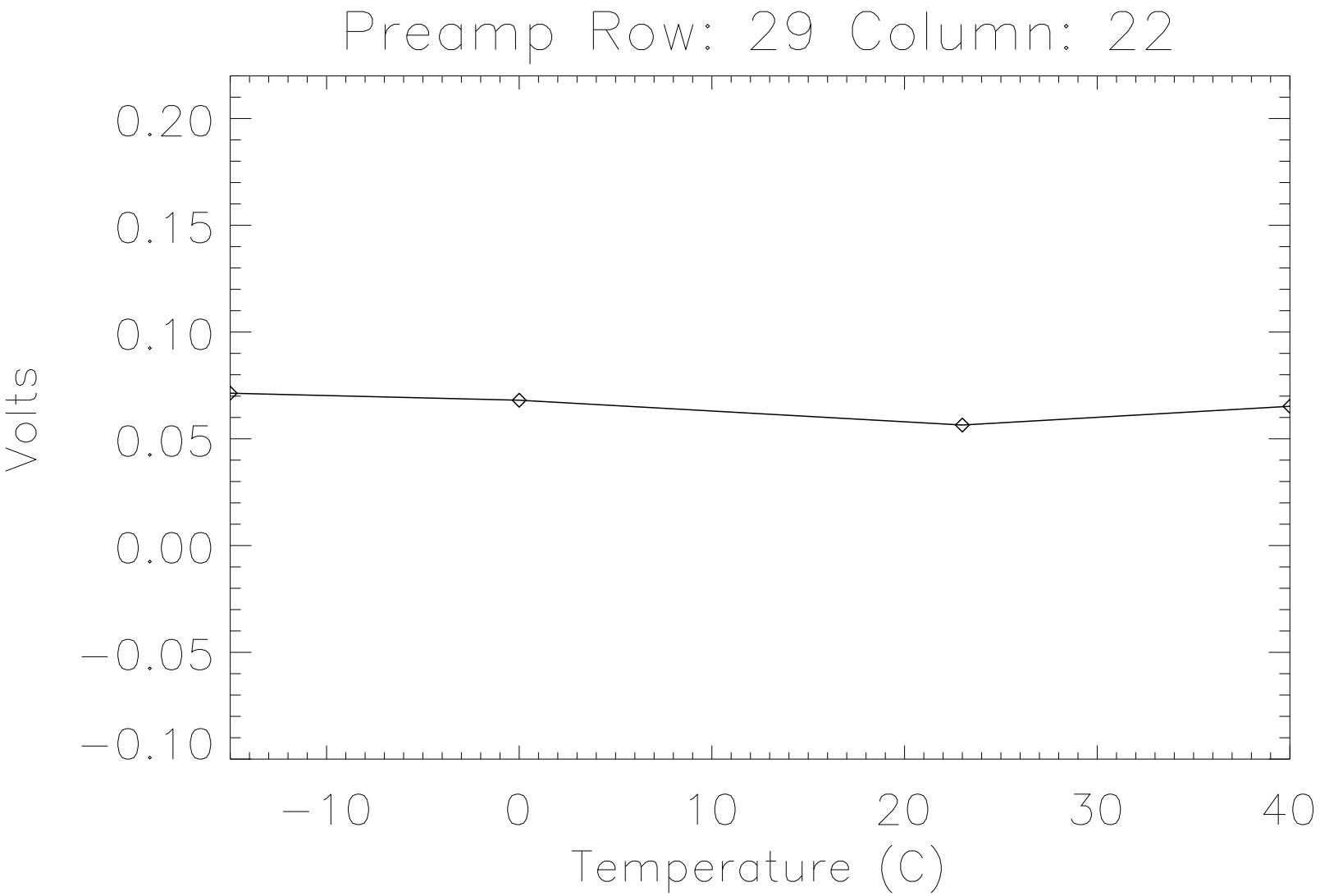
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 29 Column: 21
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 22
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 22
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
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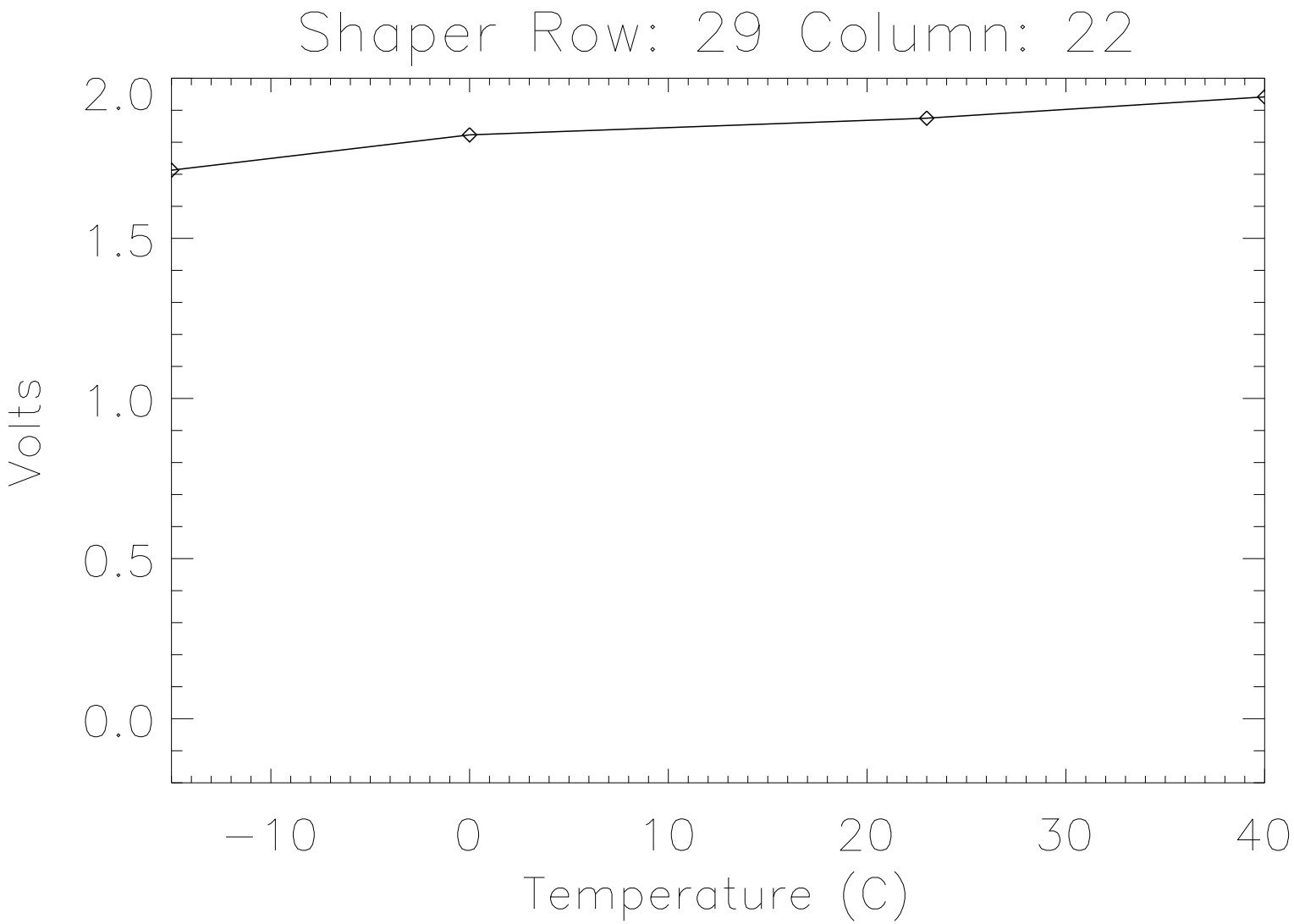
20
30
40
Temperature (C)


Shaper Row: 29 Column: 22
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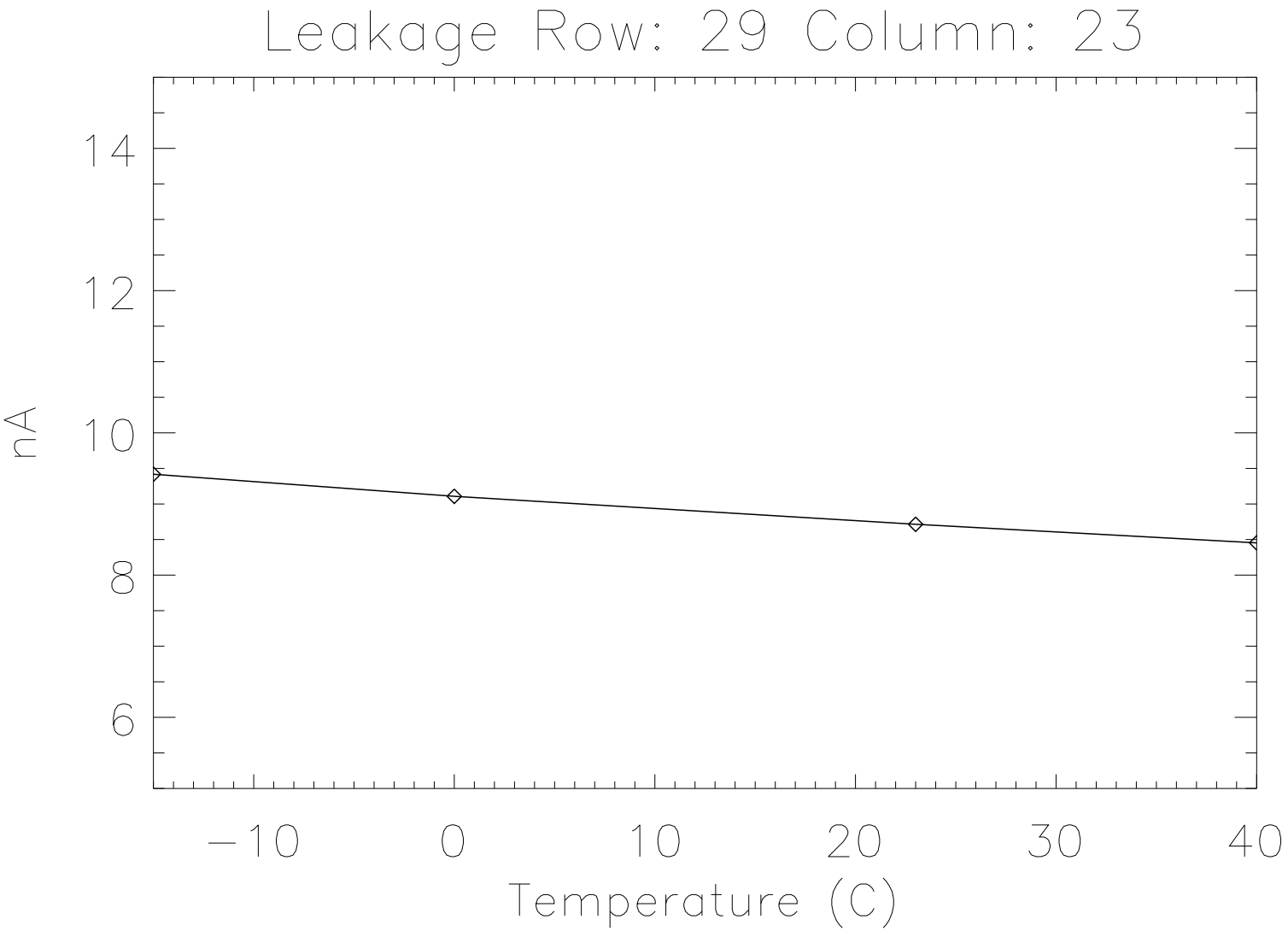
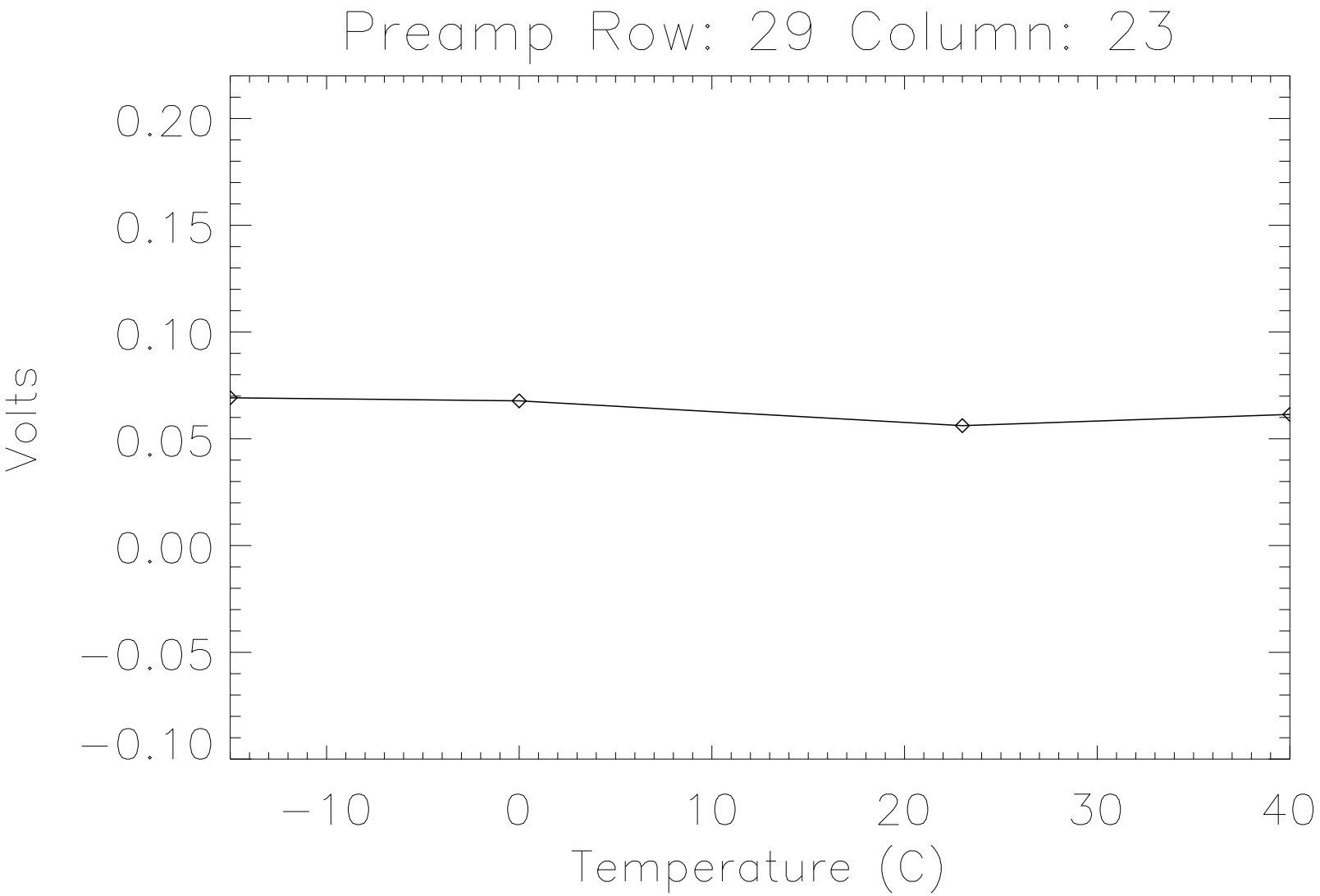
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 23
0.20
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0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
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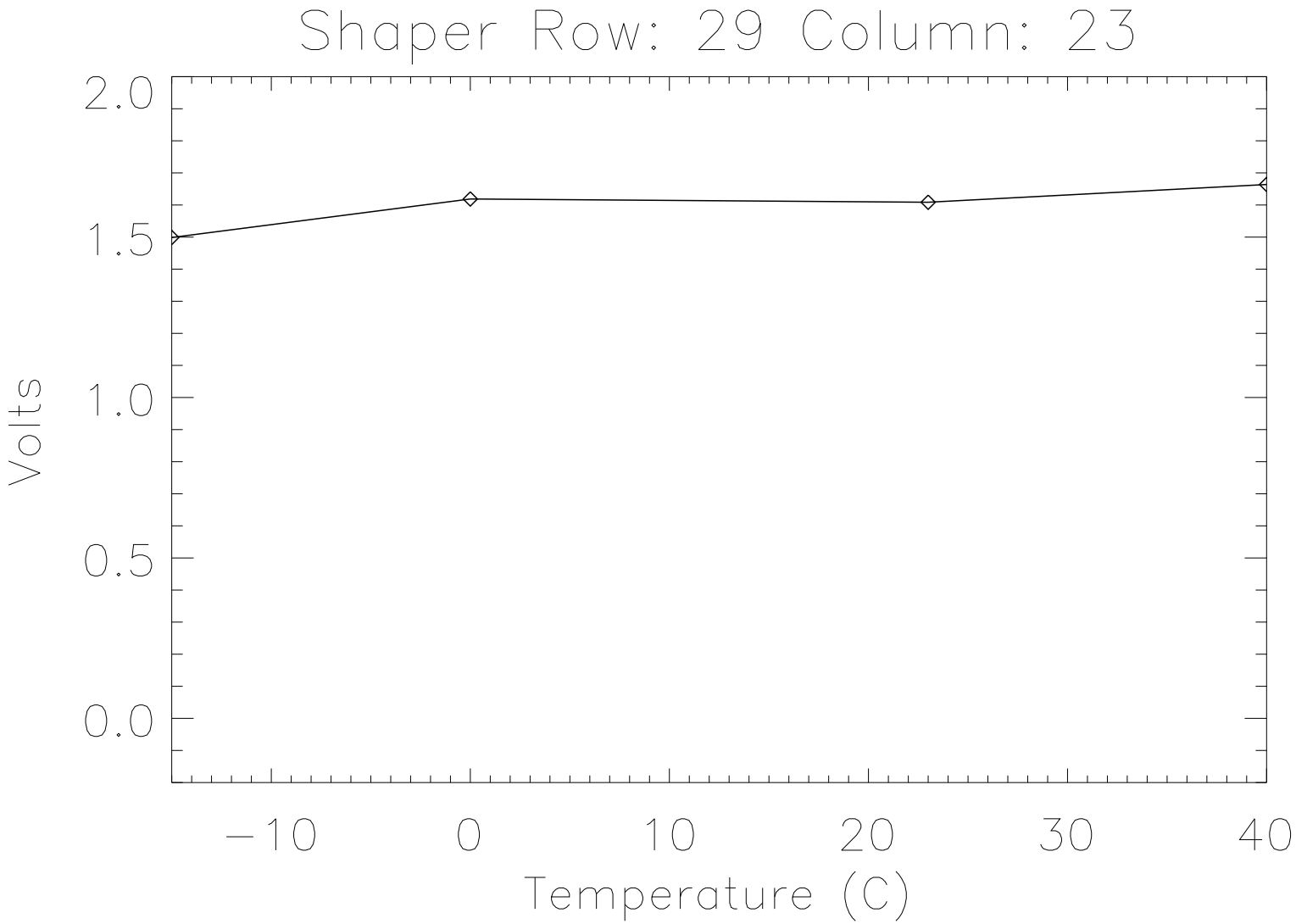
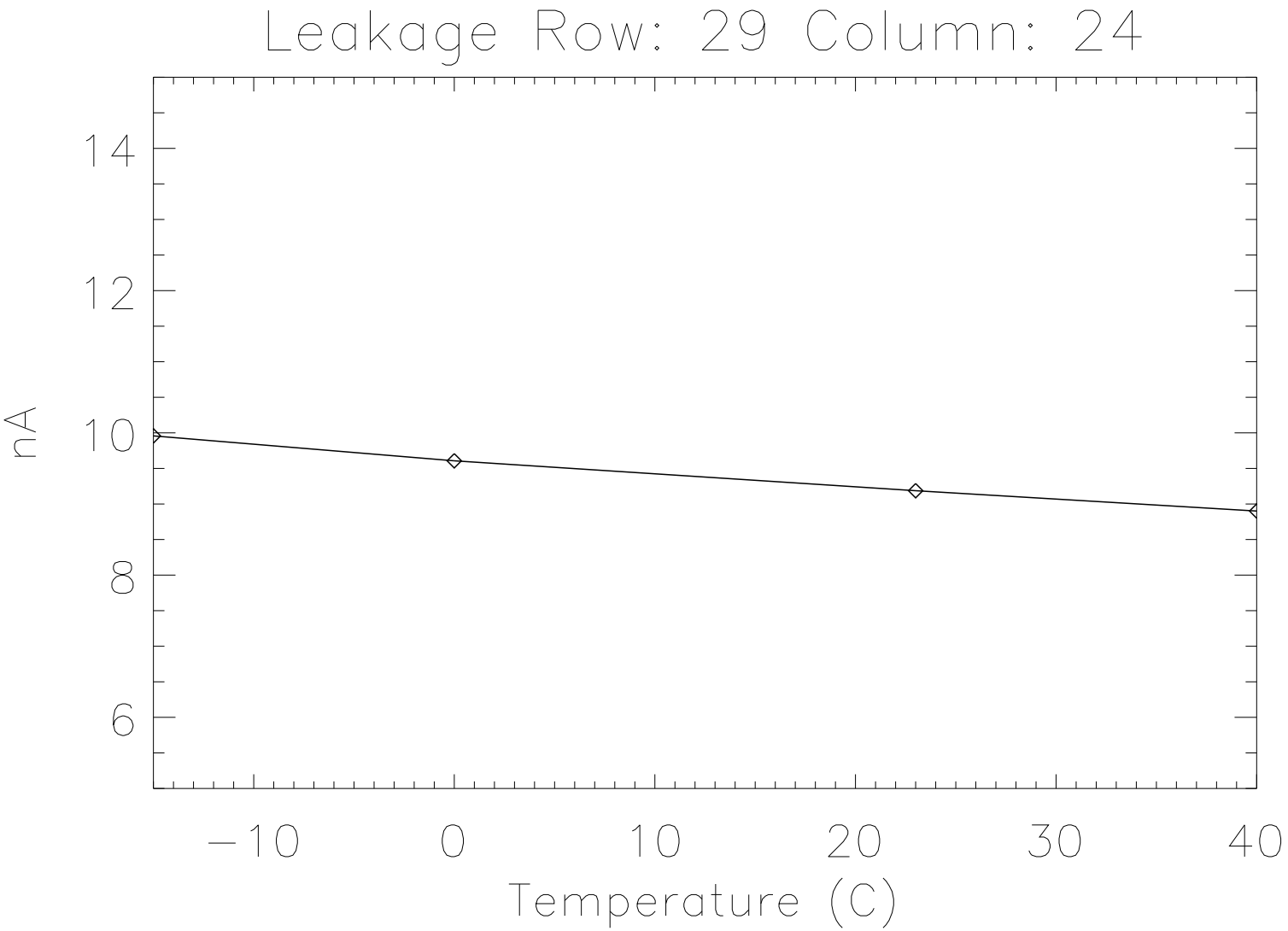
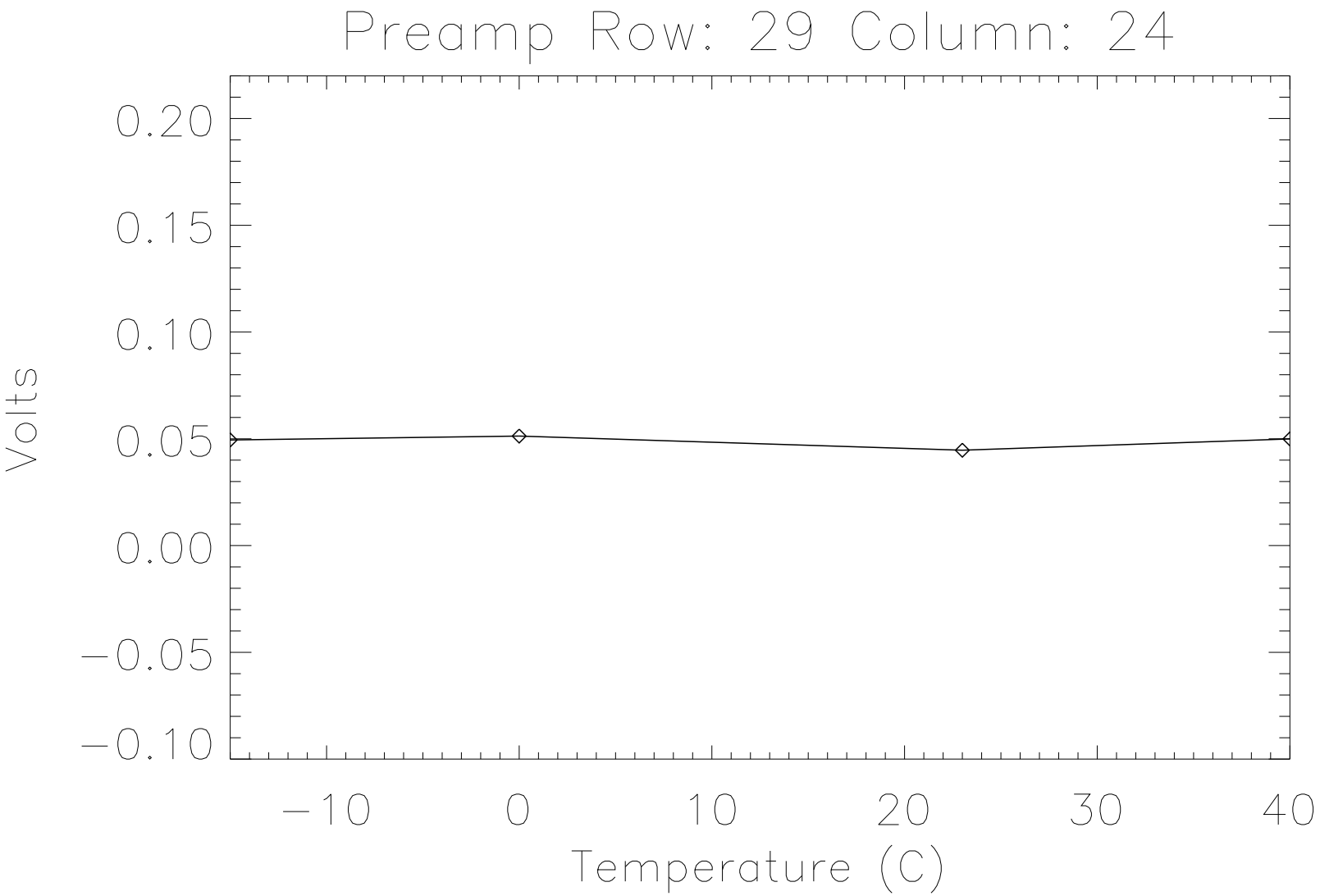
20
30
40
Temperature (C)


Shaper Row: 29 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 24
0.20
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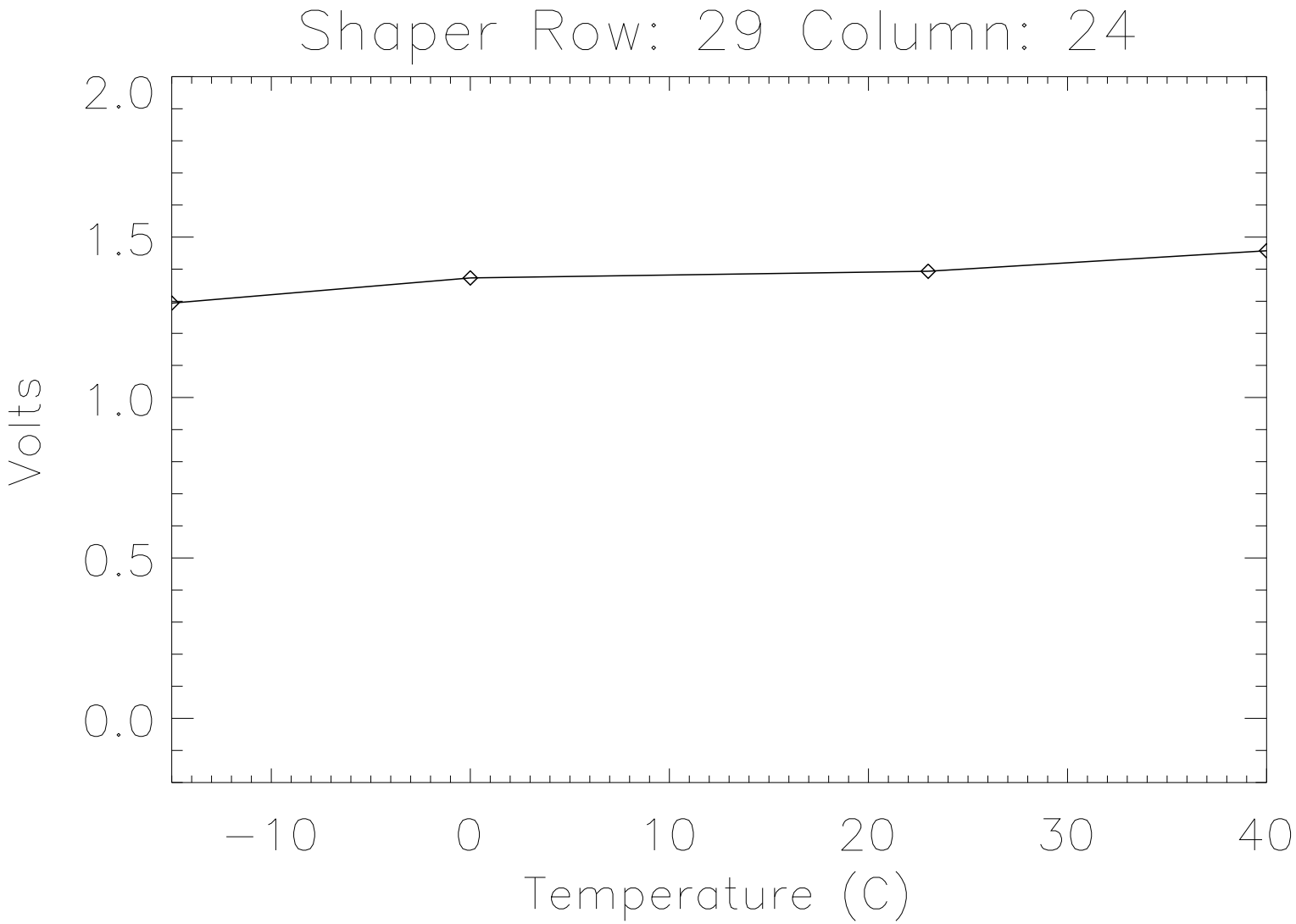
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 29 Column: 24
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1.5
1.0
0.5
0.0
Volts
−10
0
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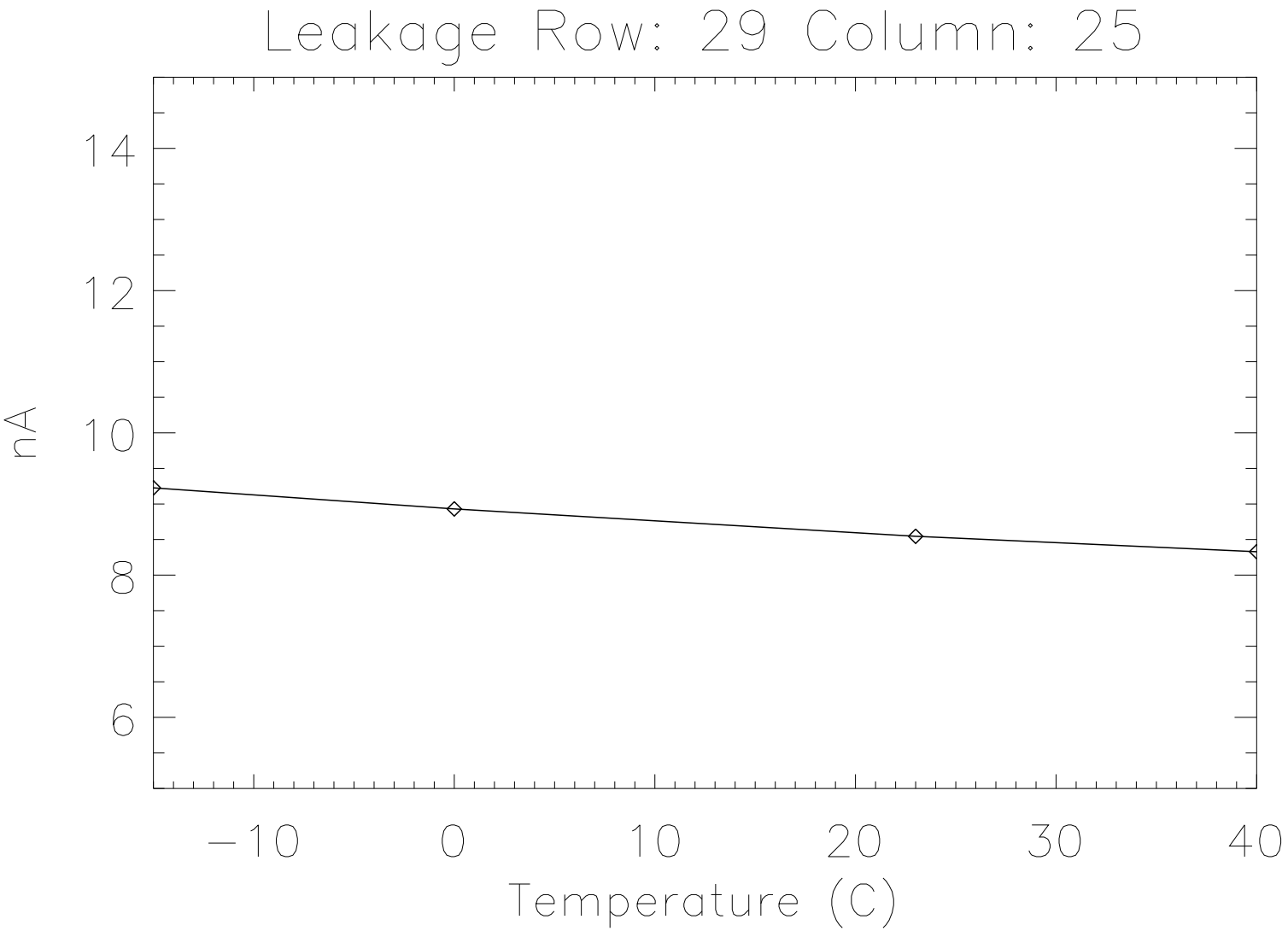
20
30
40
Temperature (C)


Leakage Row: 29 Column: 25
nA
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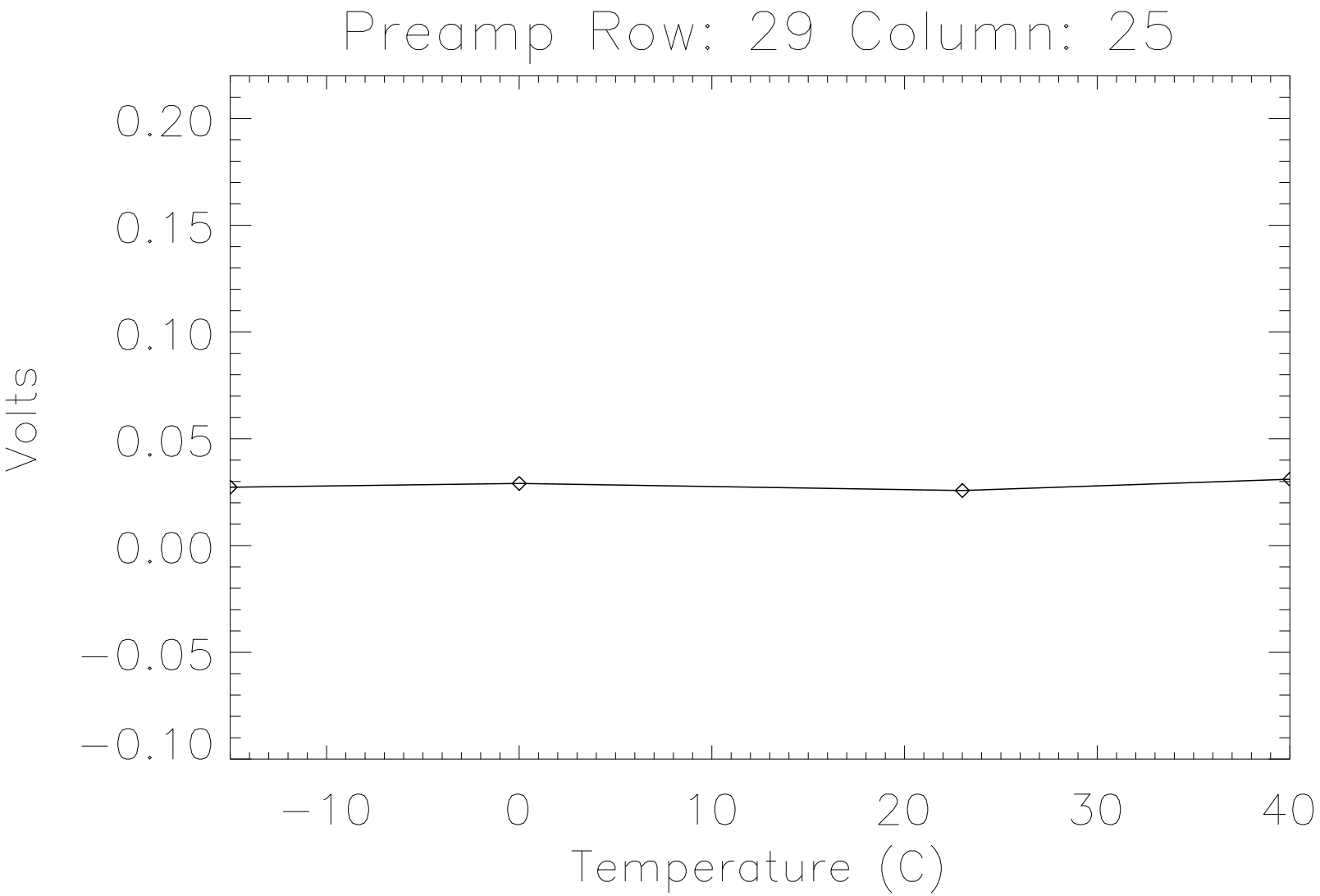
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 25
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Volts
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0
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30
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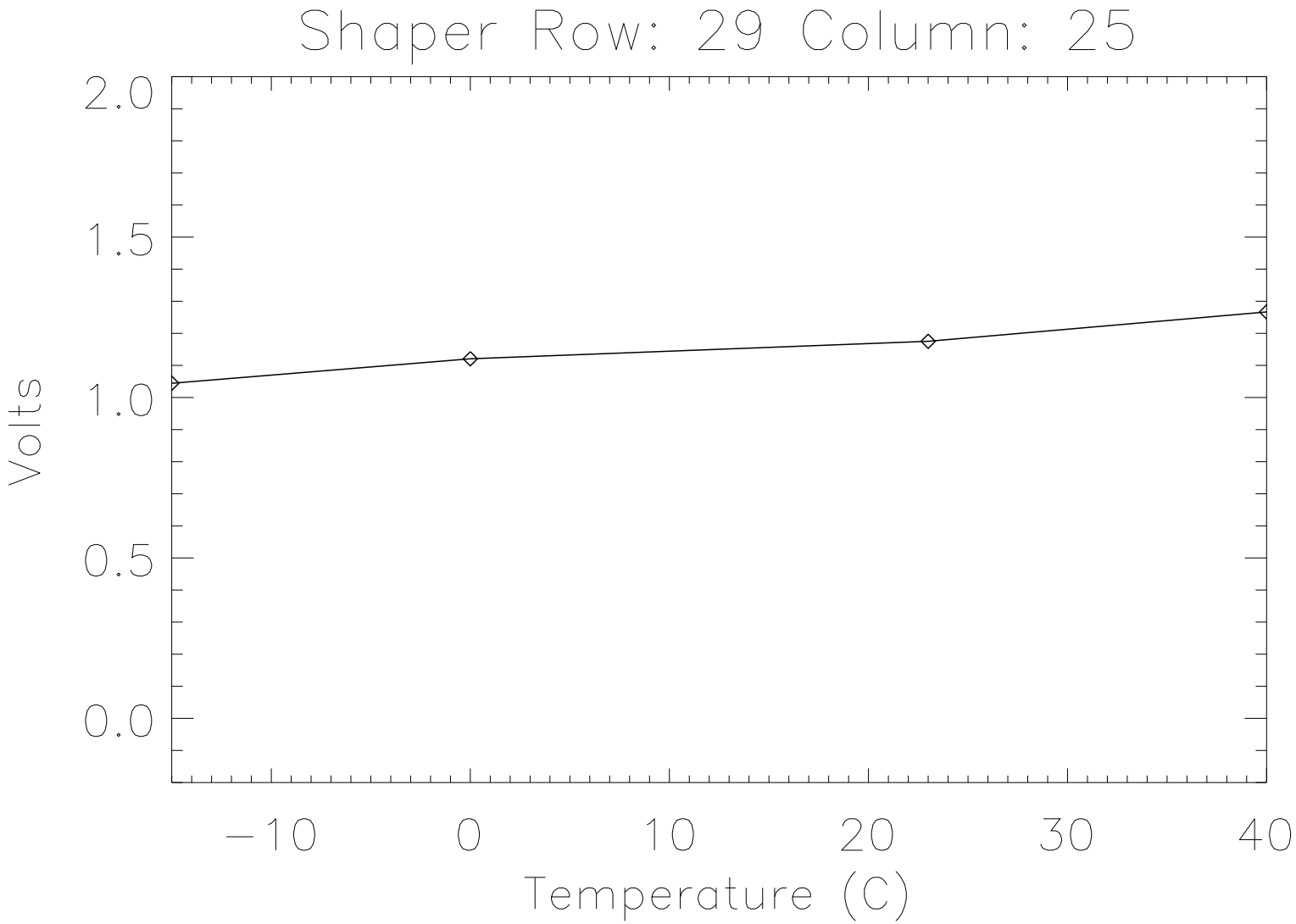
Temperature (C)


Shaper Row: 29 Column: 25
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1.5
1.0
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0.0
Volts
−10
0
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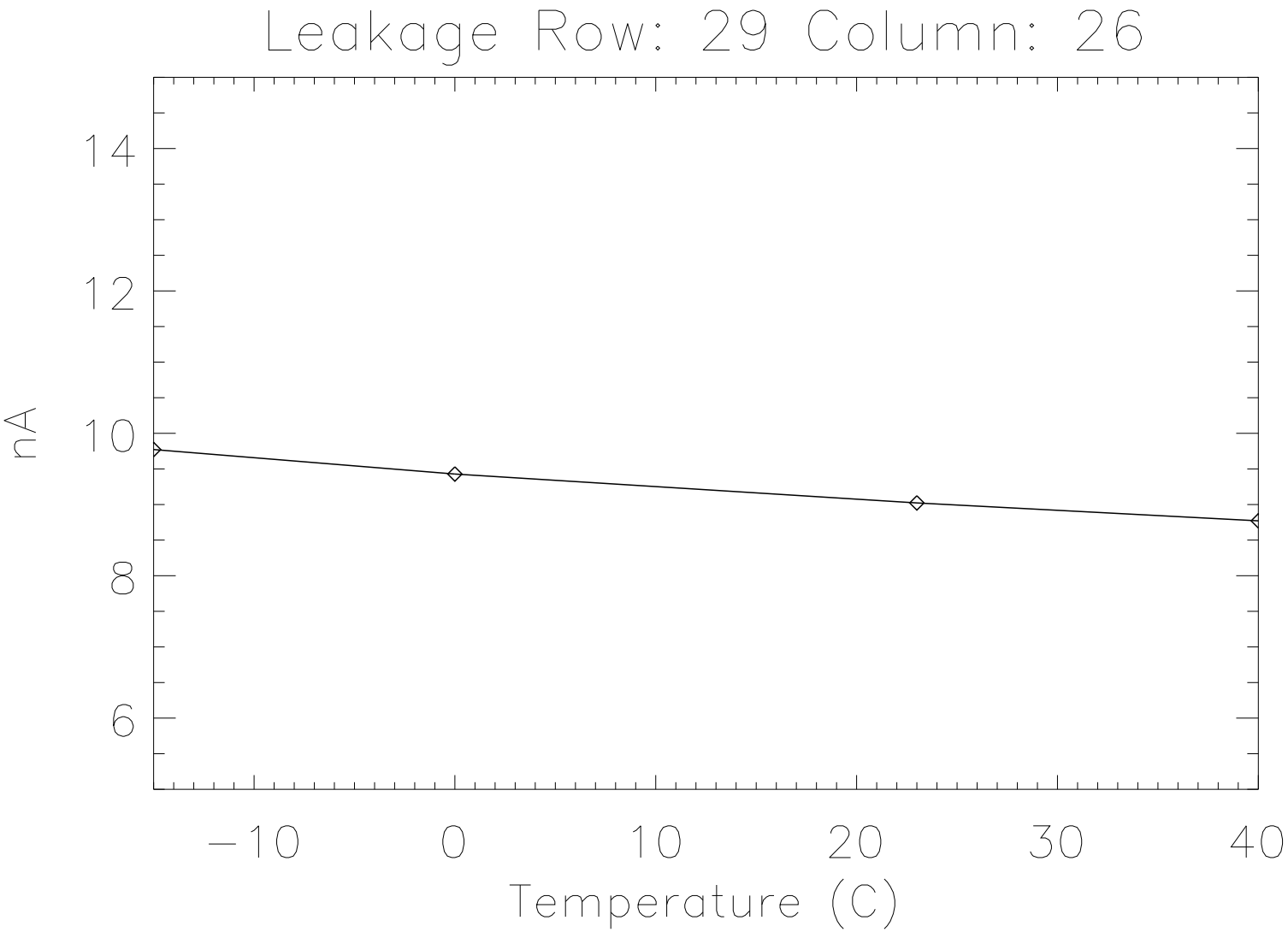
20
30
40
Temperature (C)


Leakage Row: 29 Column: 26
nA
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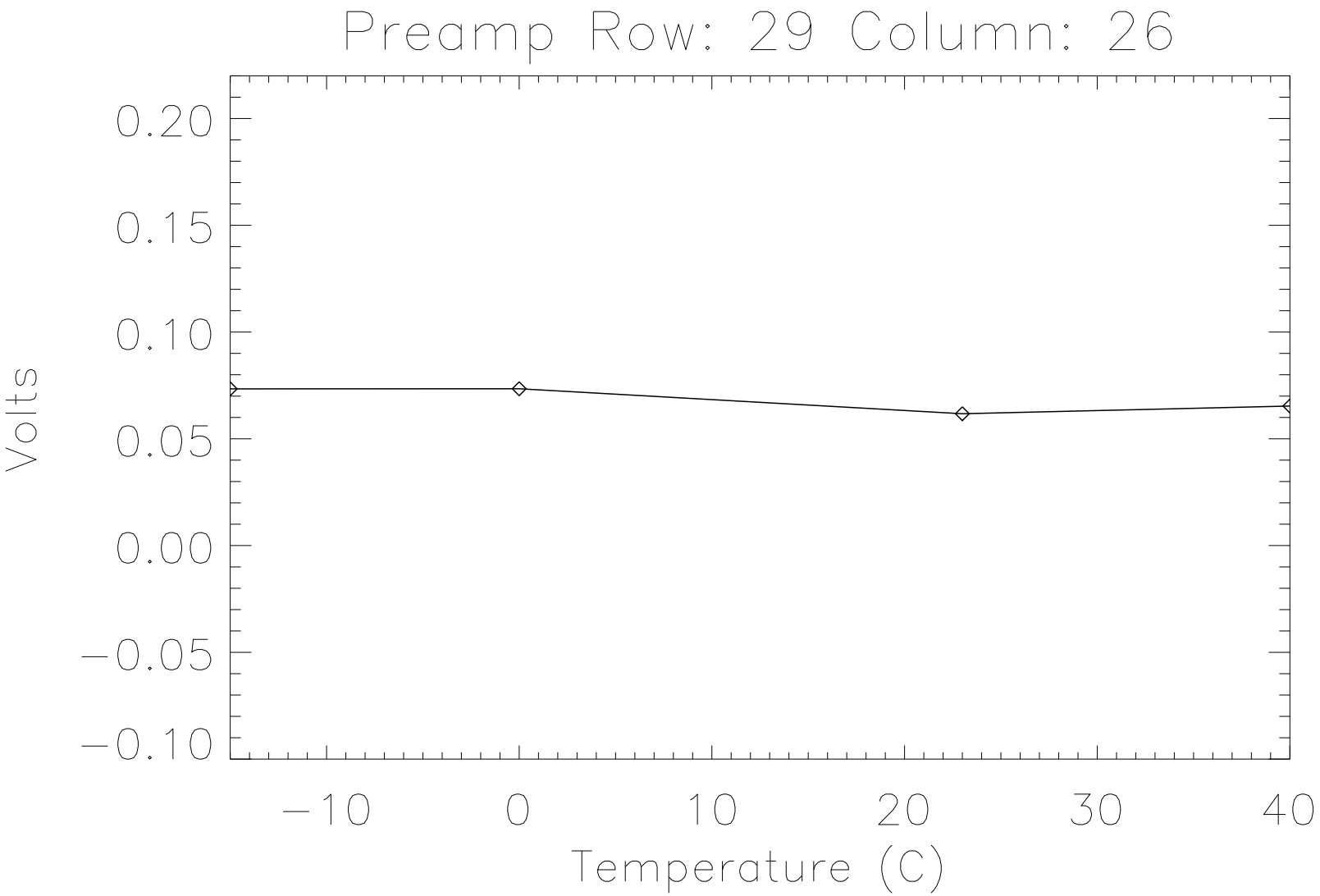
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 26
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0.10
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0.00
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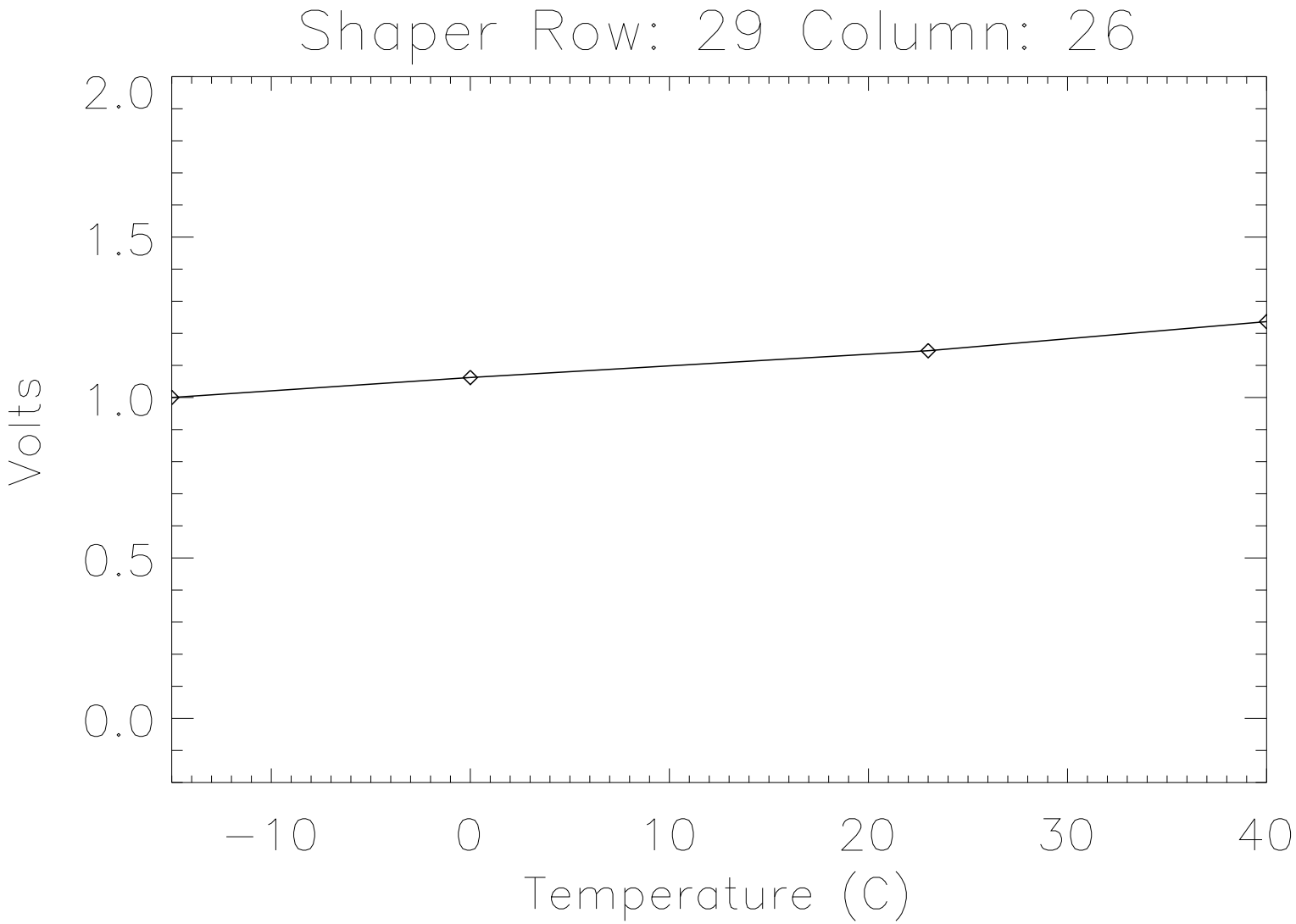
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 29 Column: 26
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1.5
1.0
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Volts
−10
0
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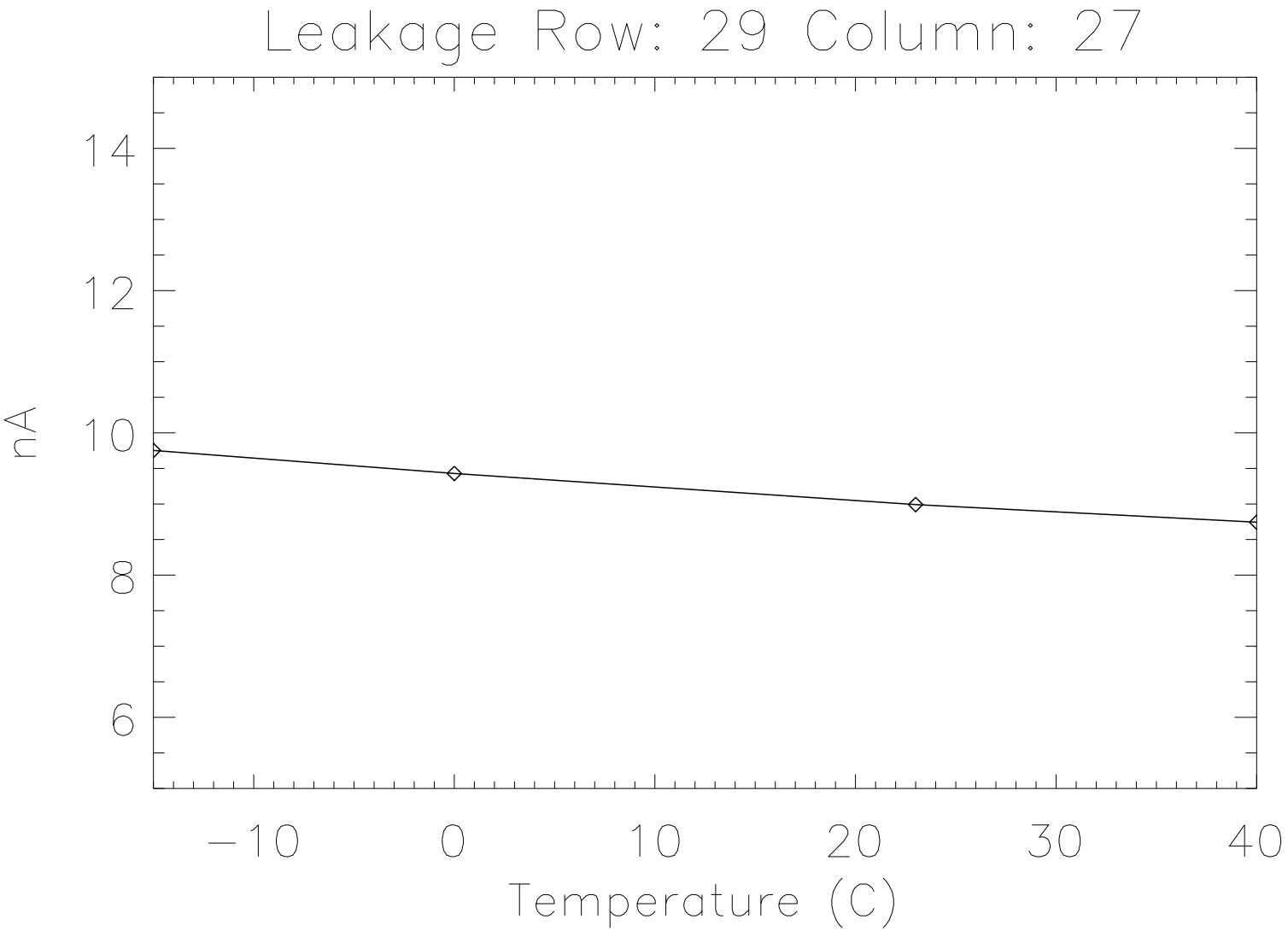
30
40
Temperature (C)


Leakage Row: 29 Column: 27
14
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8
6
nA
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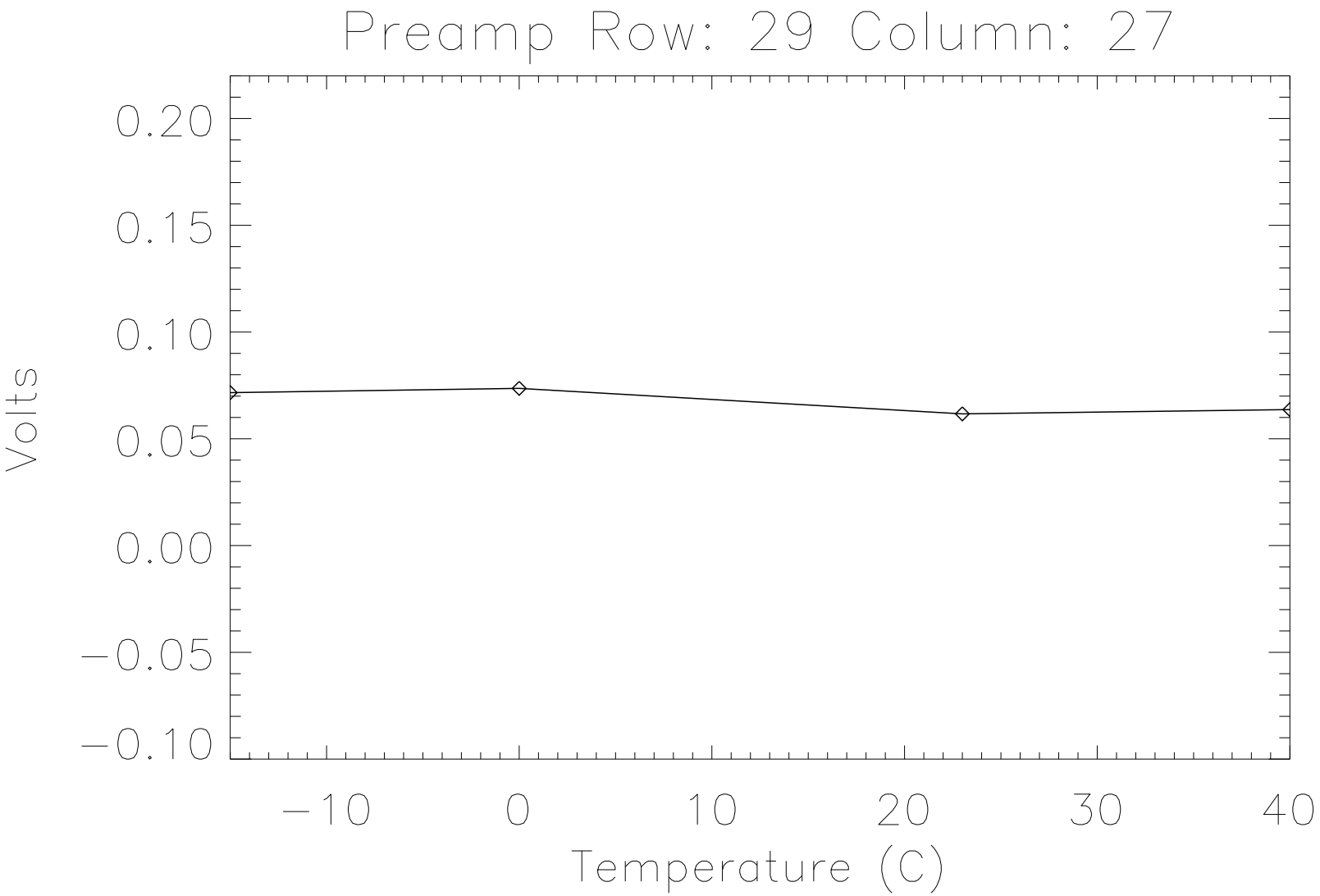
20
30
40
Temperature (C)


Preamp Row: 29 Column: 27
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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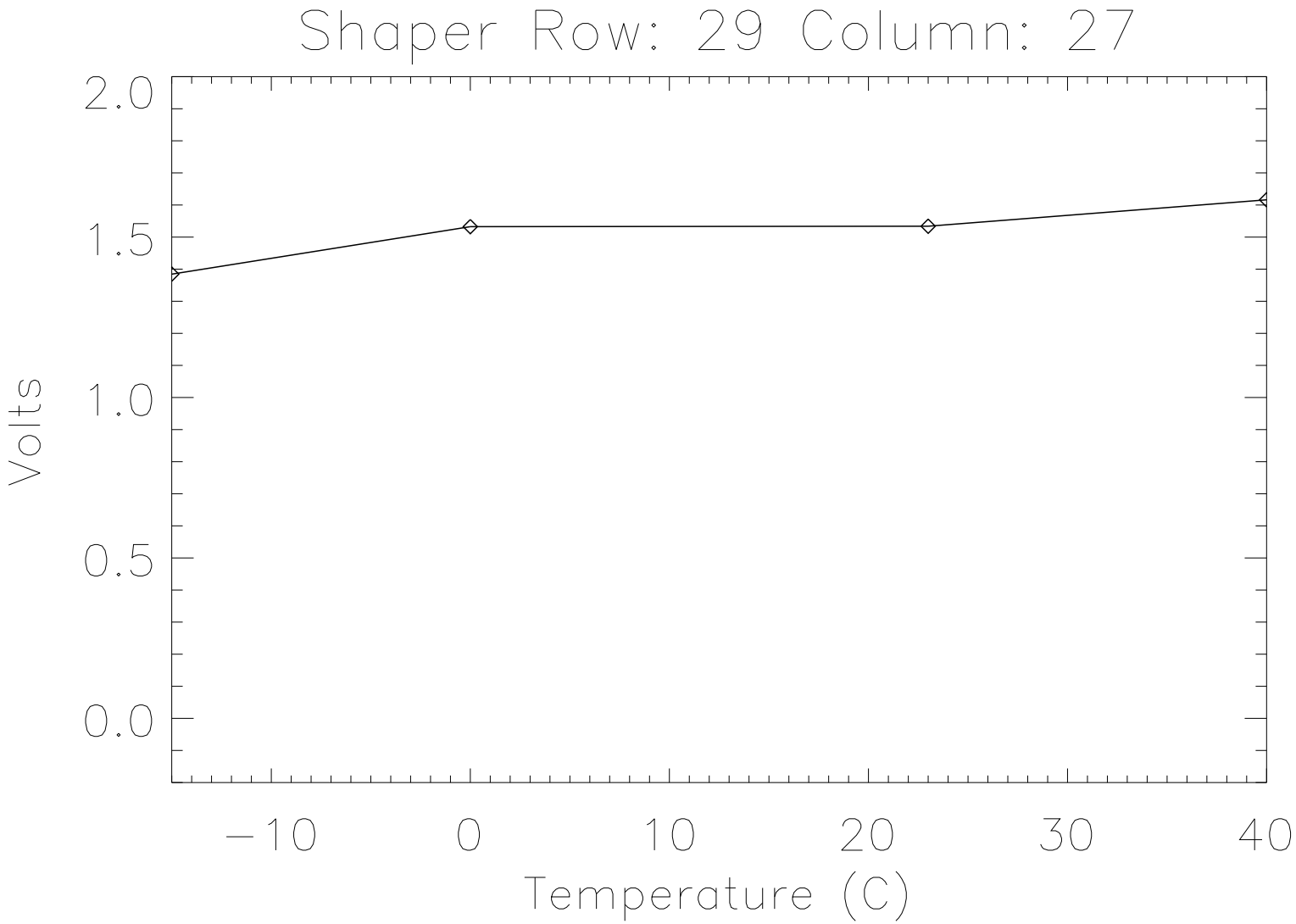
20
30
40
Temperature (C)


Shaper Row: 29 Column: 27
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1.0
0.5
0.0
Volts
−10
0
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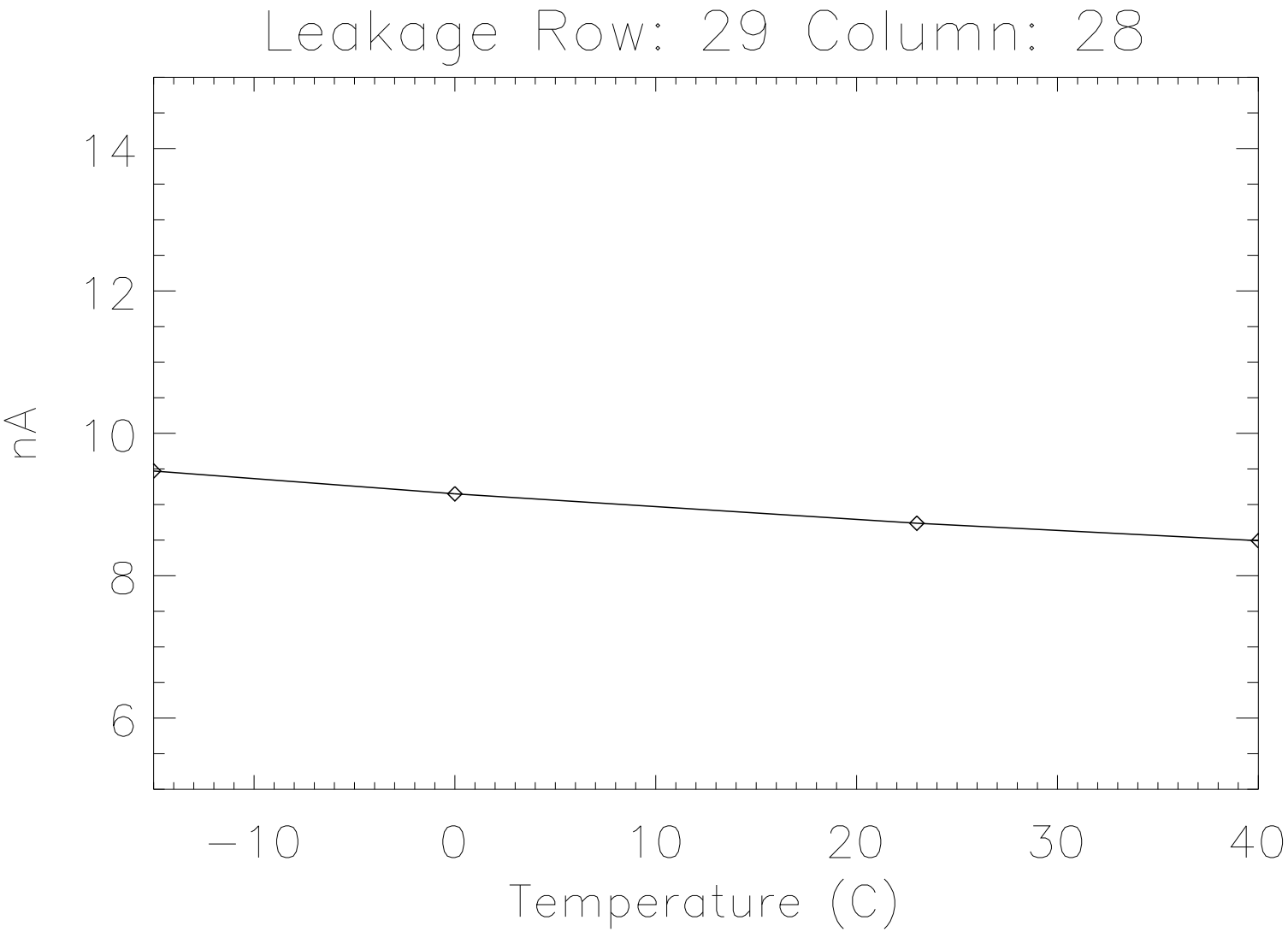
30
40
Temperature (C)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nA
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8
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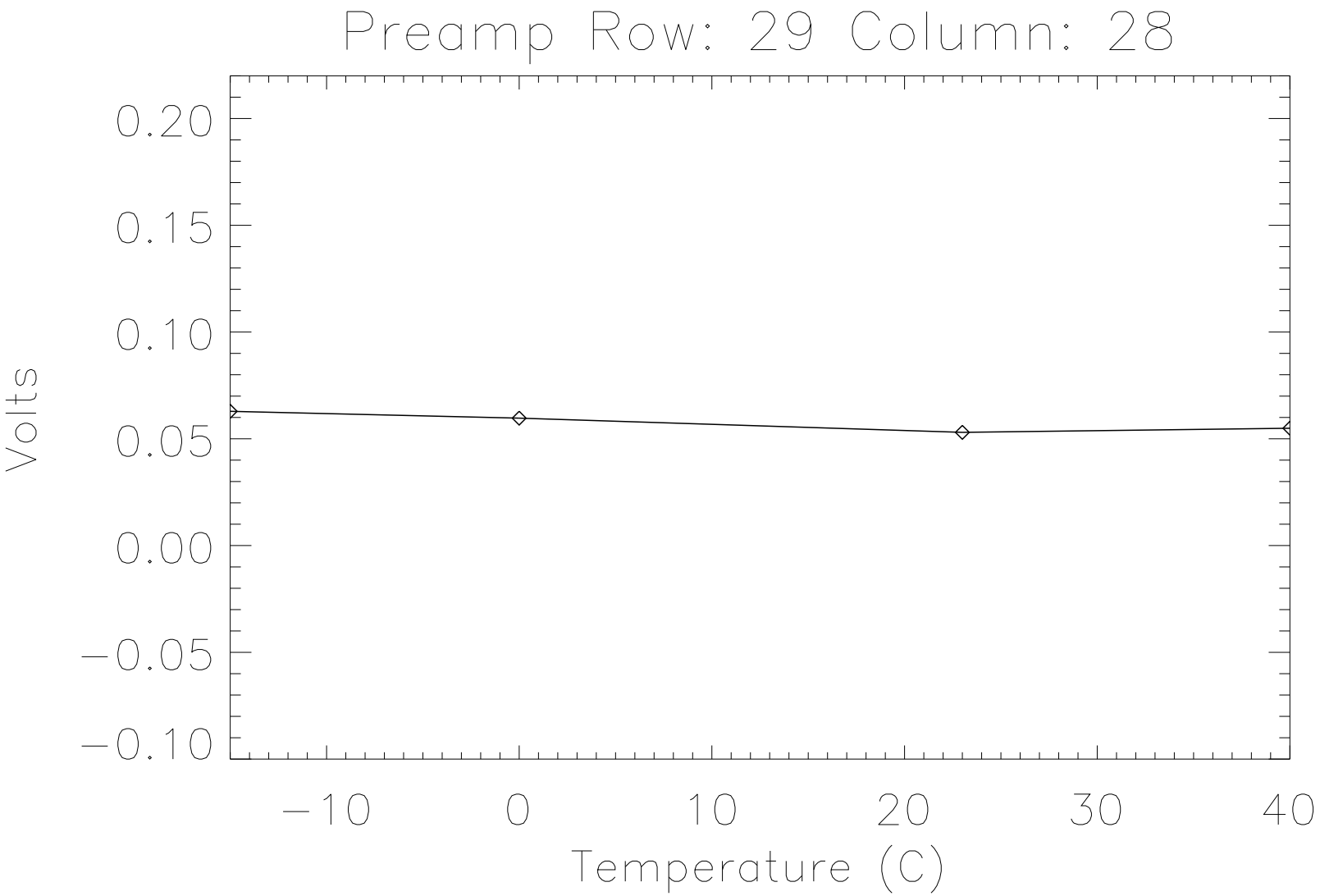
20
30
40
Temperature (C)


Preamp Row: 29 Column: 28
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0.10
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0.00
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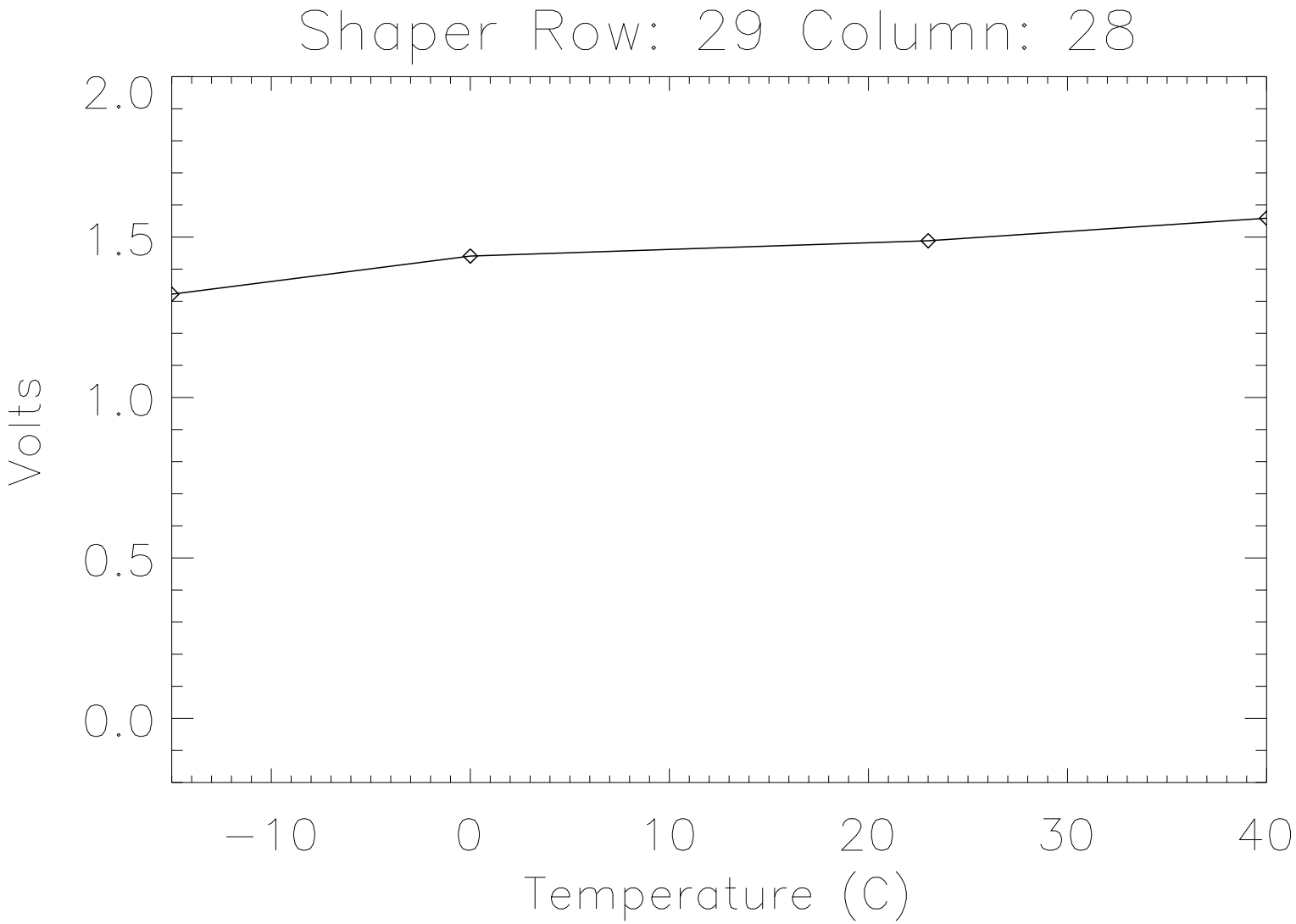
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 29 Column: 28
2.0
1.5
1.0
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0.0
Volts
−10
0
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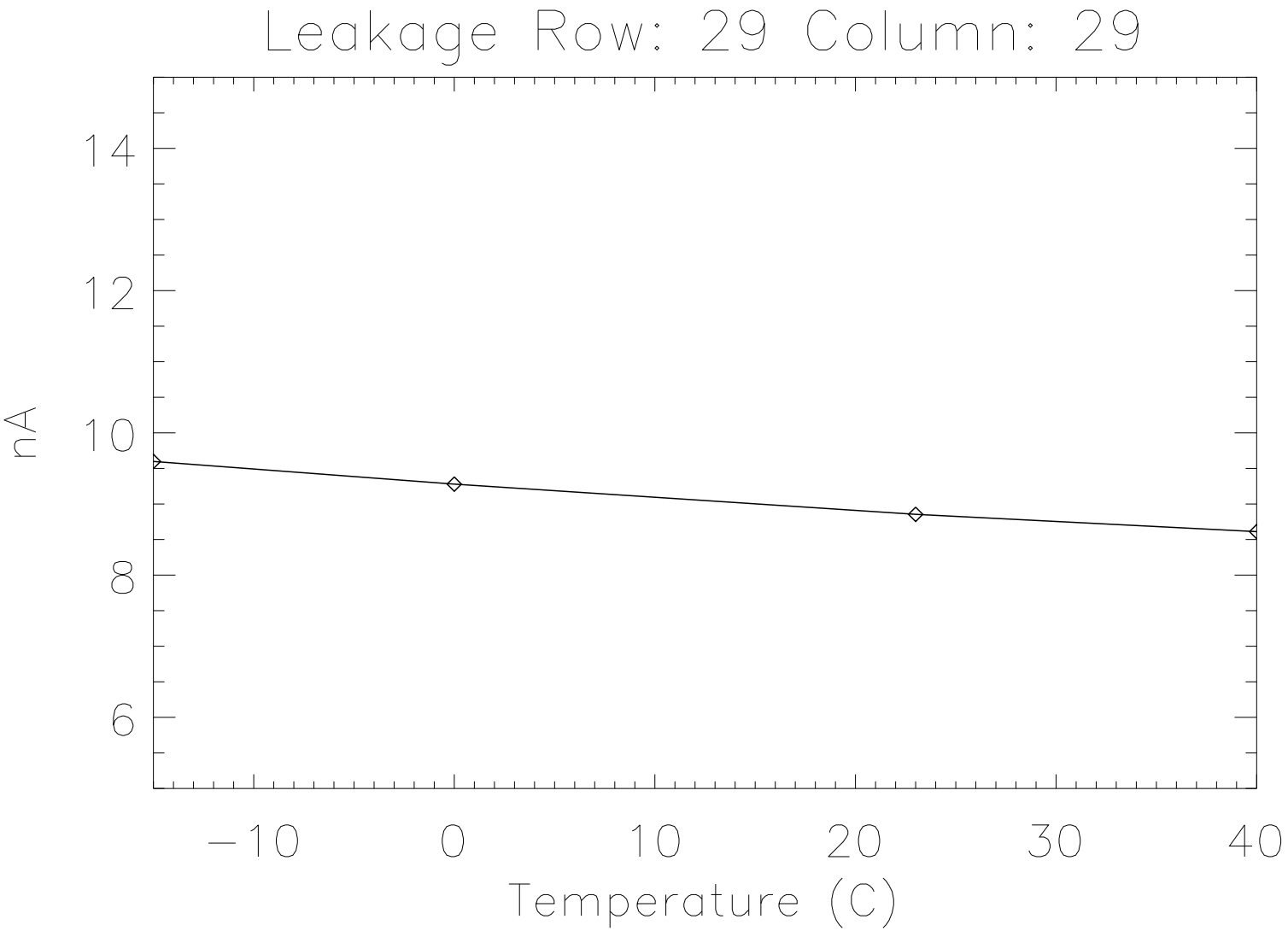
30
40
Temperature (C)


Leakage Row: 29 Column: 29
14
12
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8
6
nA
−10
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10
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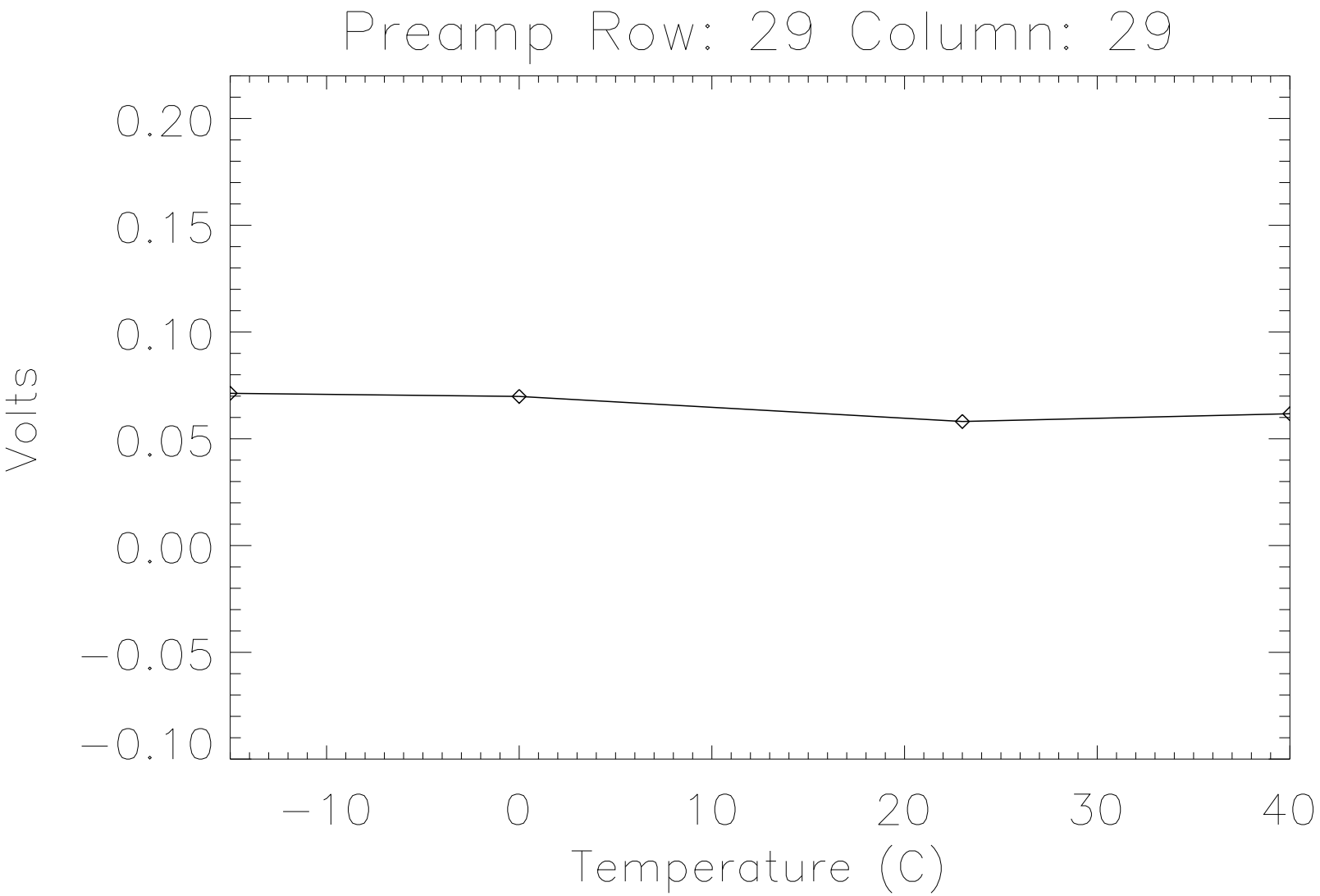
30
40
Temperature (C)


Preamp Row: 29 Column: 29
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Volts
−10
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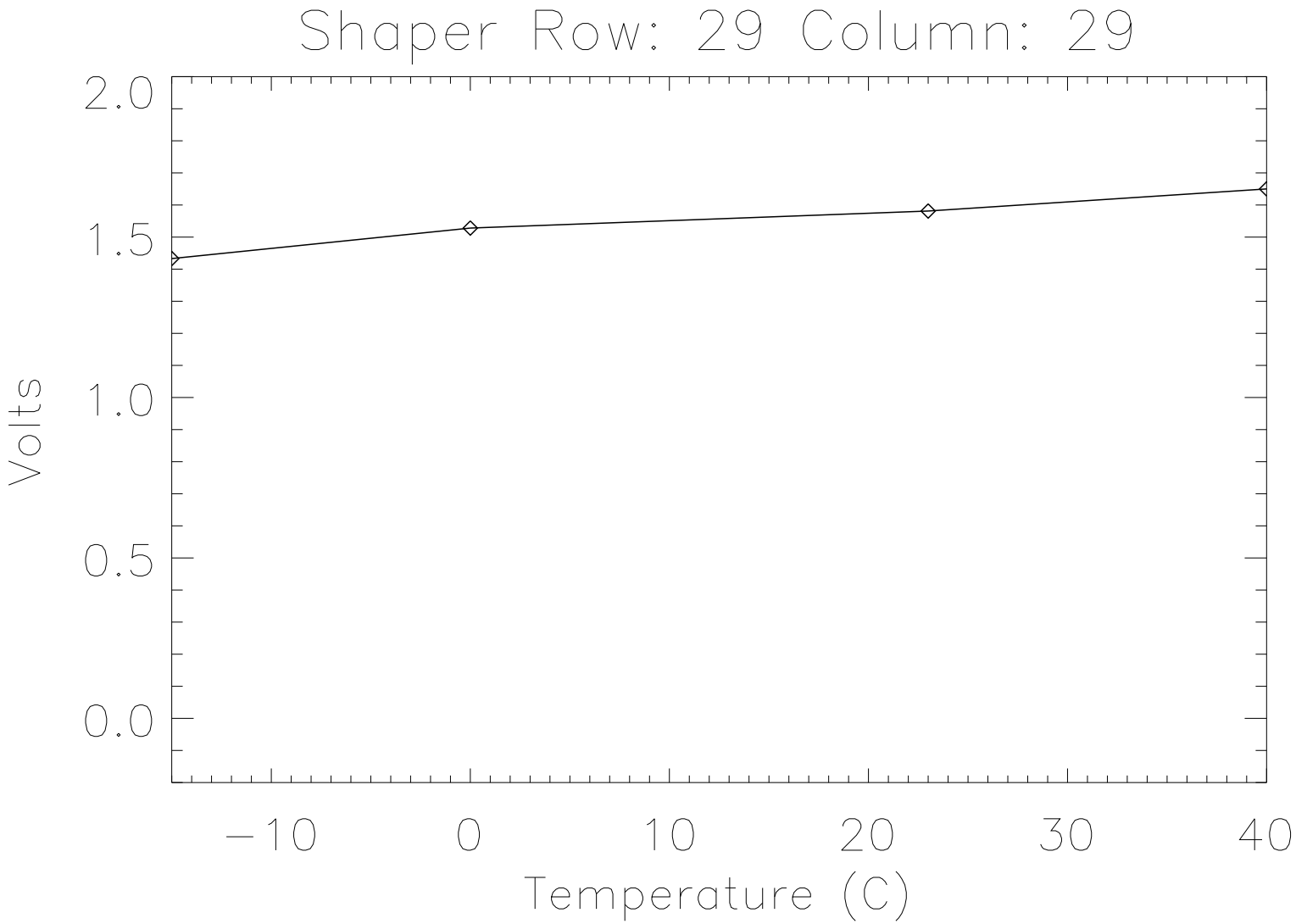
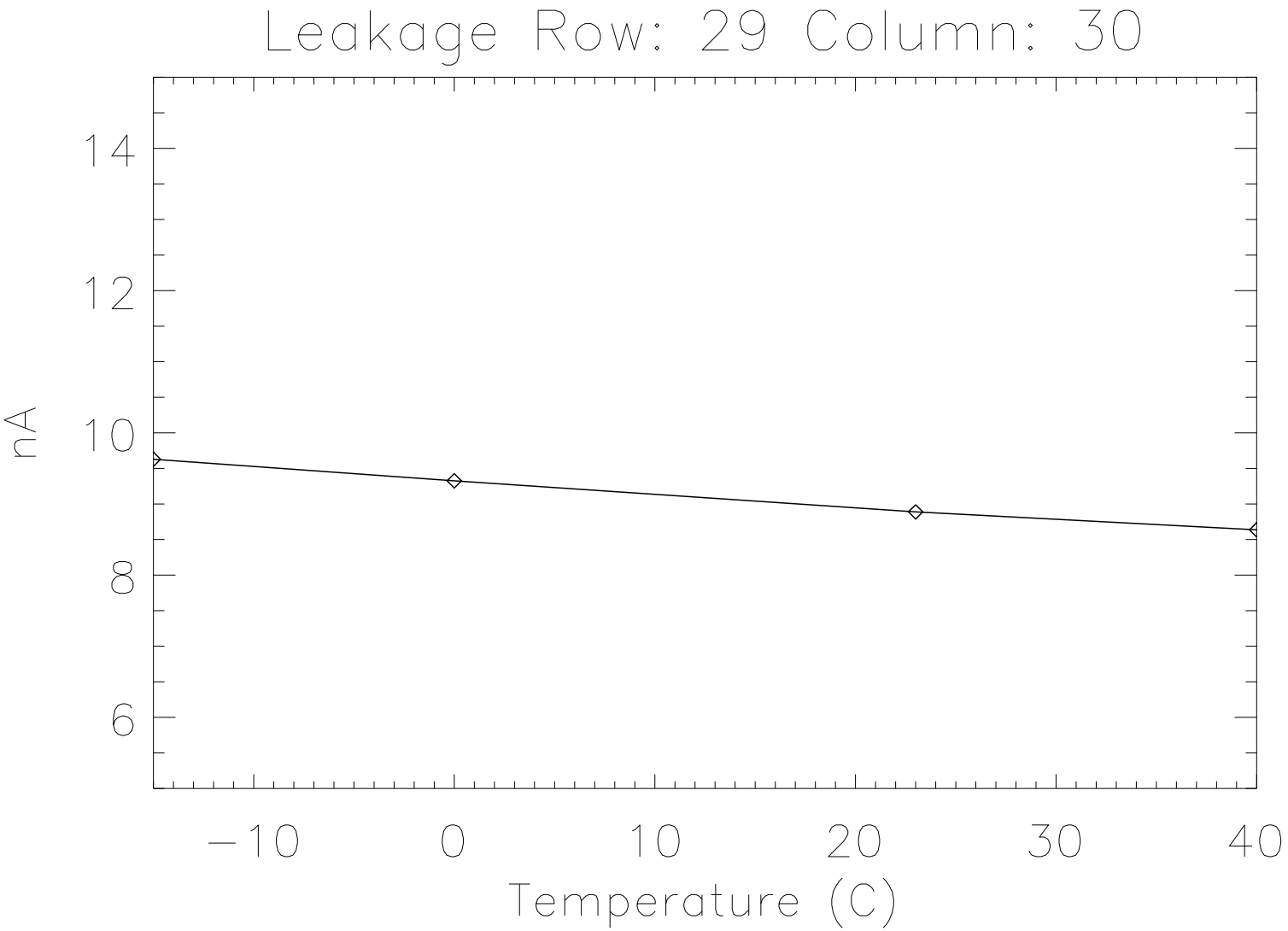
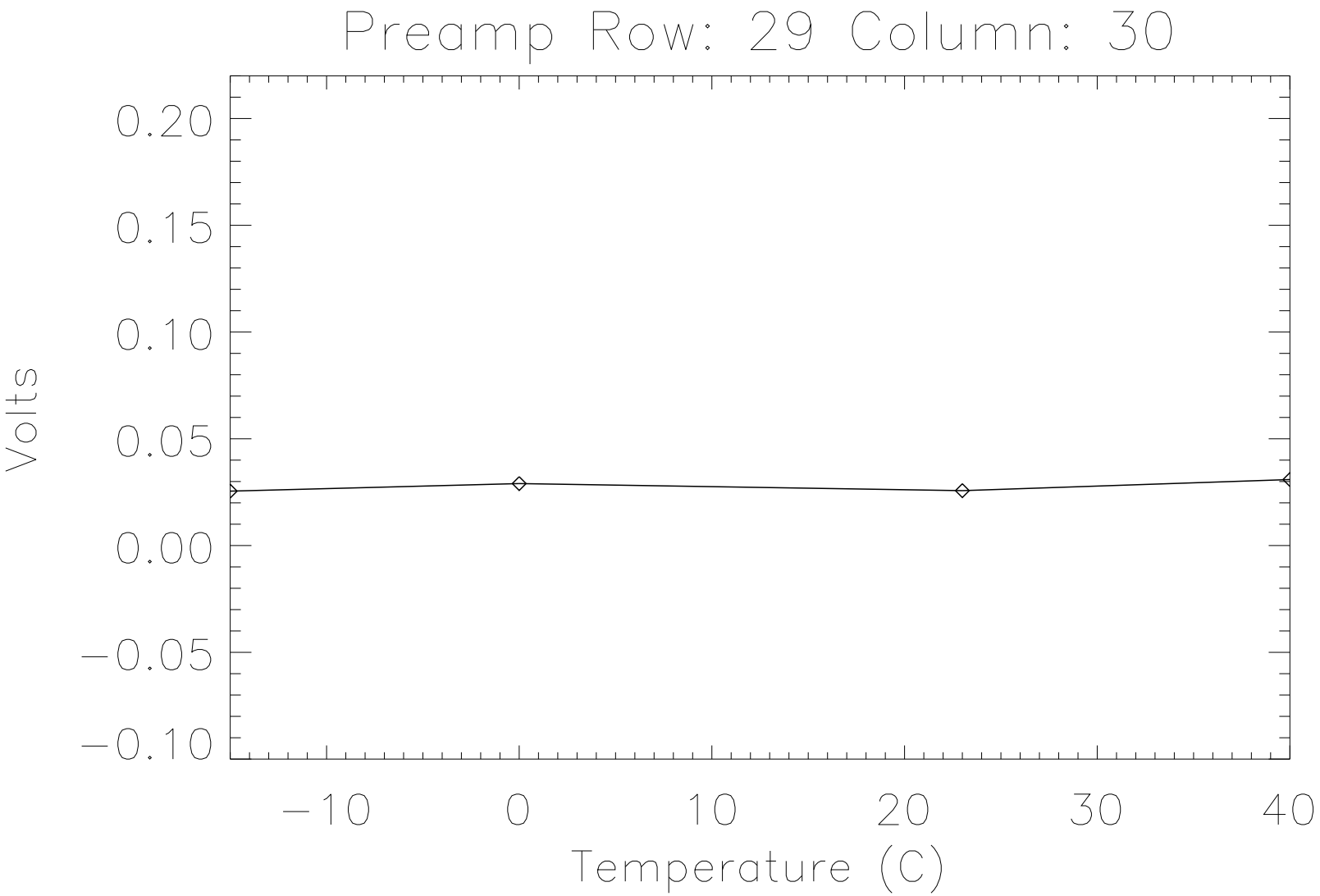
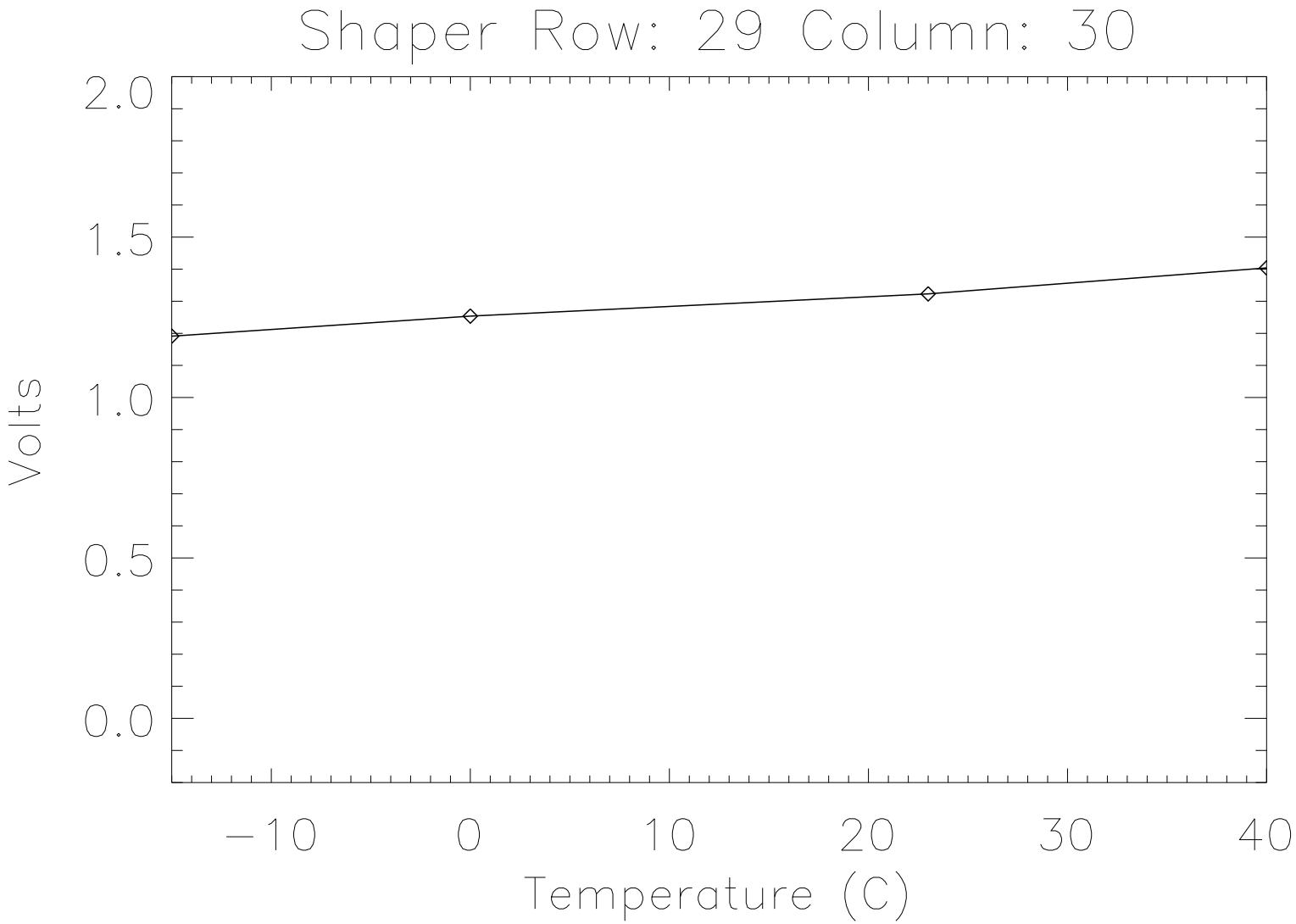
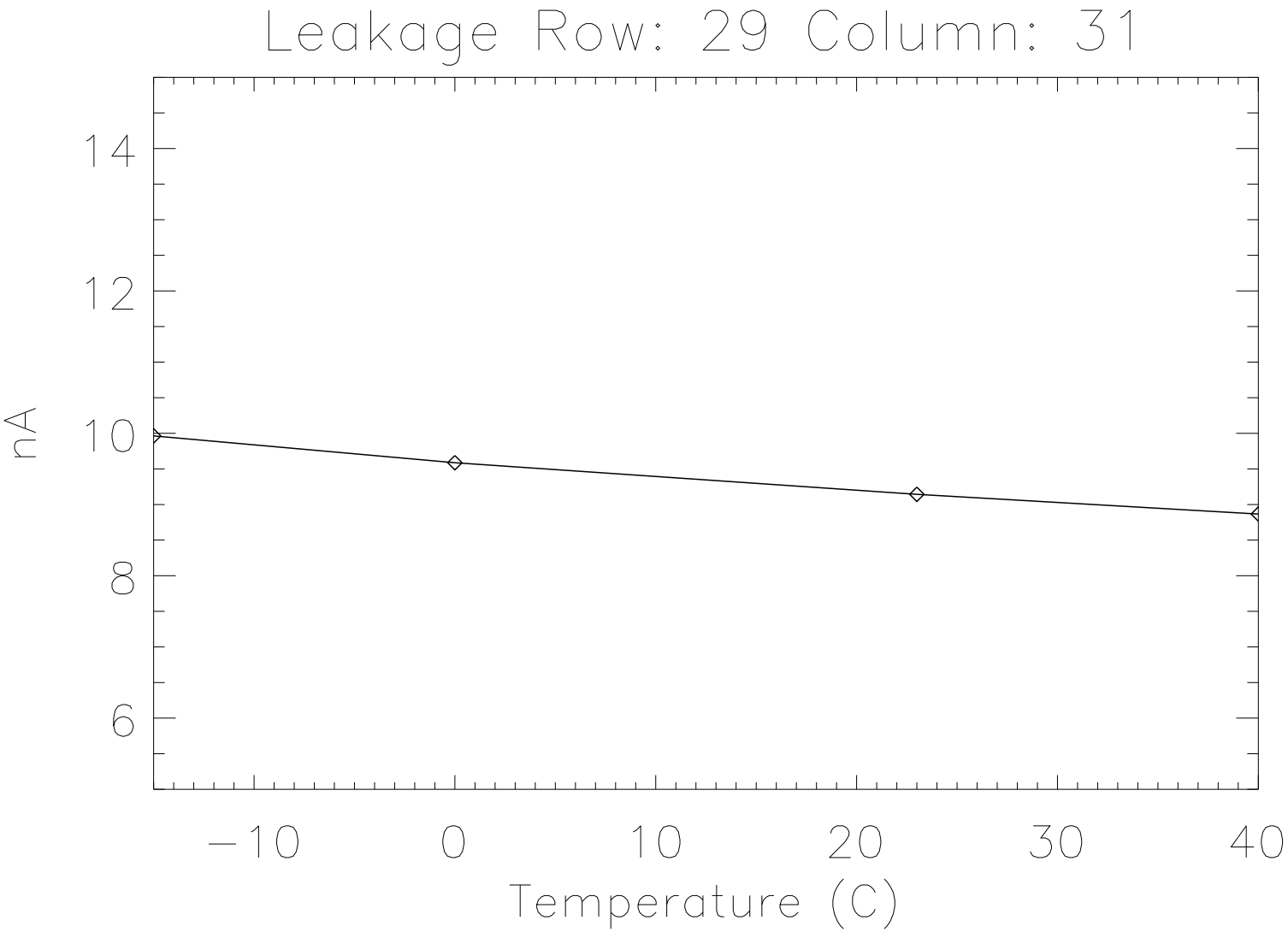
30
40
Temperature (C)

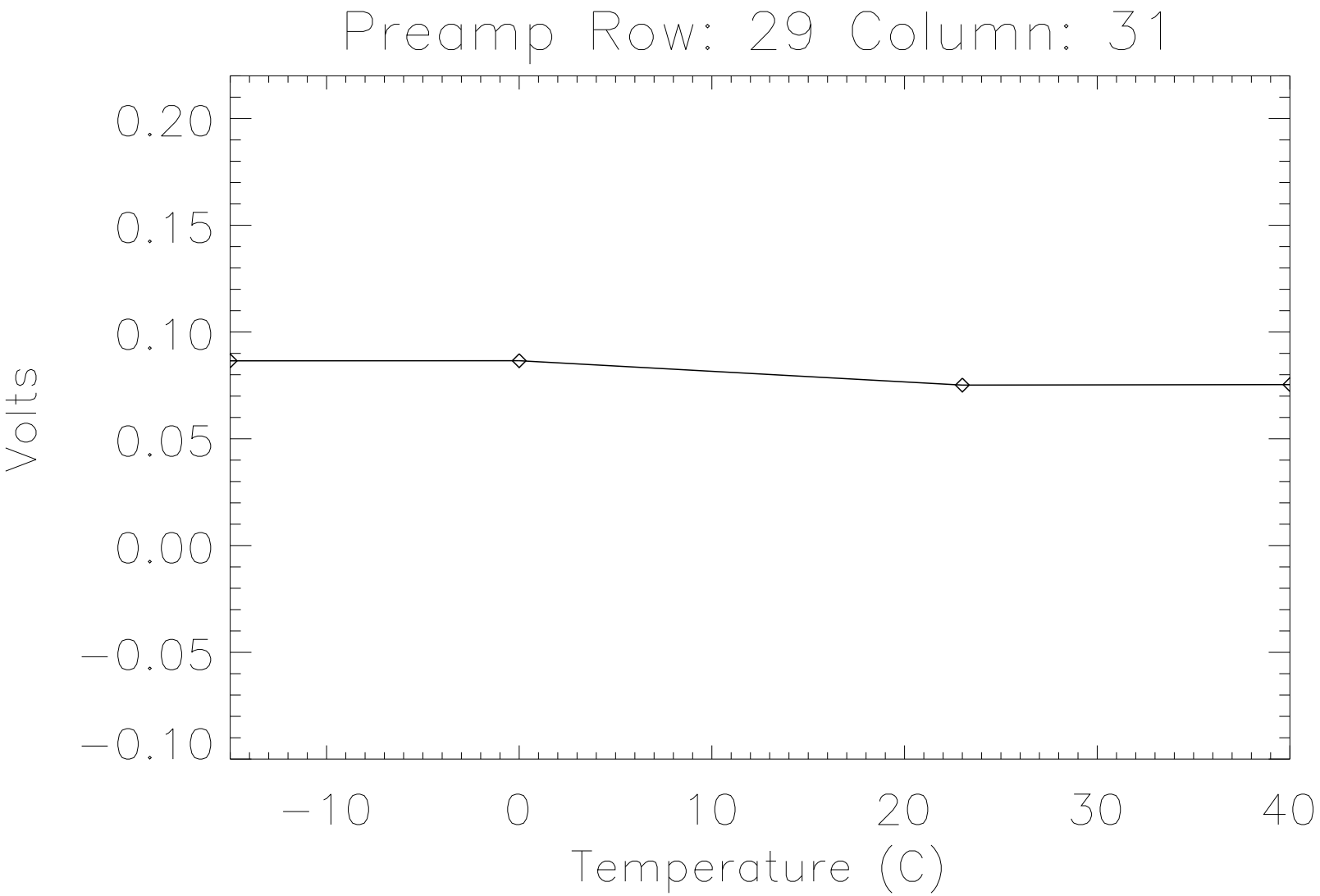

Shaper Row: 29 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 29 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 29 Column: 31
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 29 Column: 31
0.20
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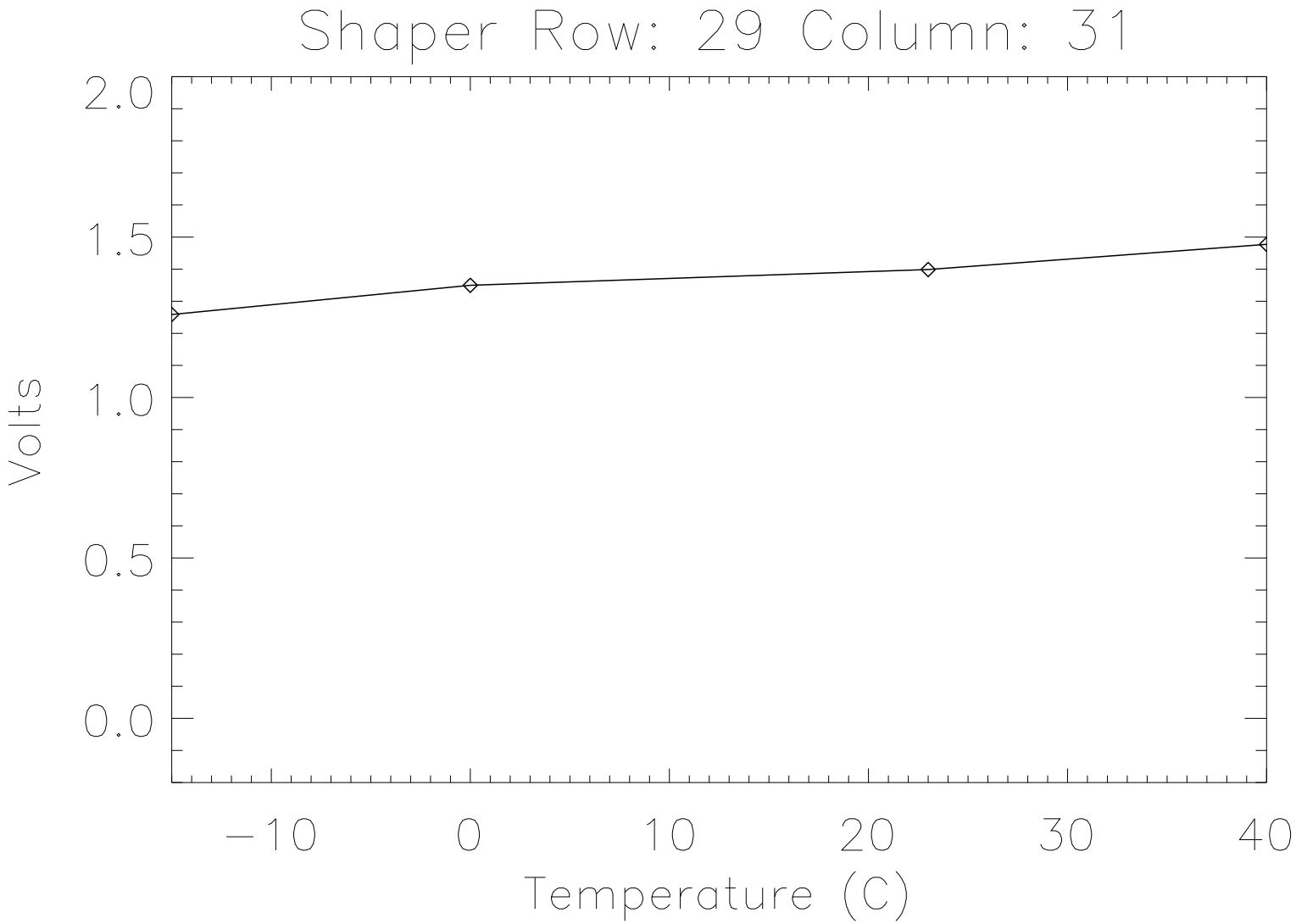
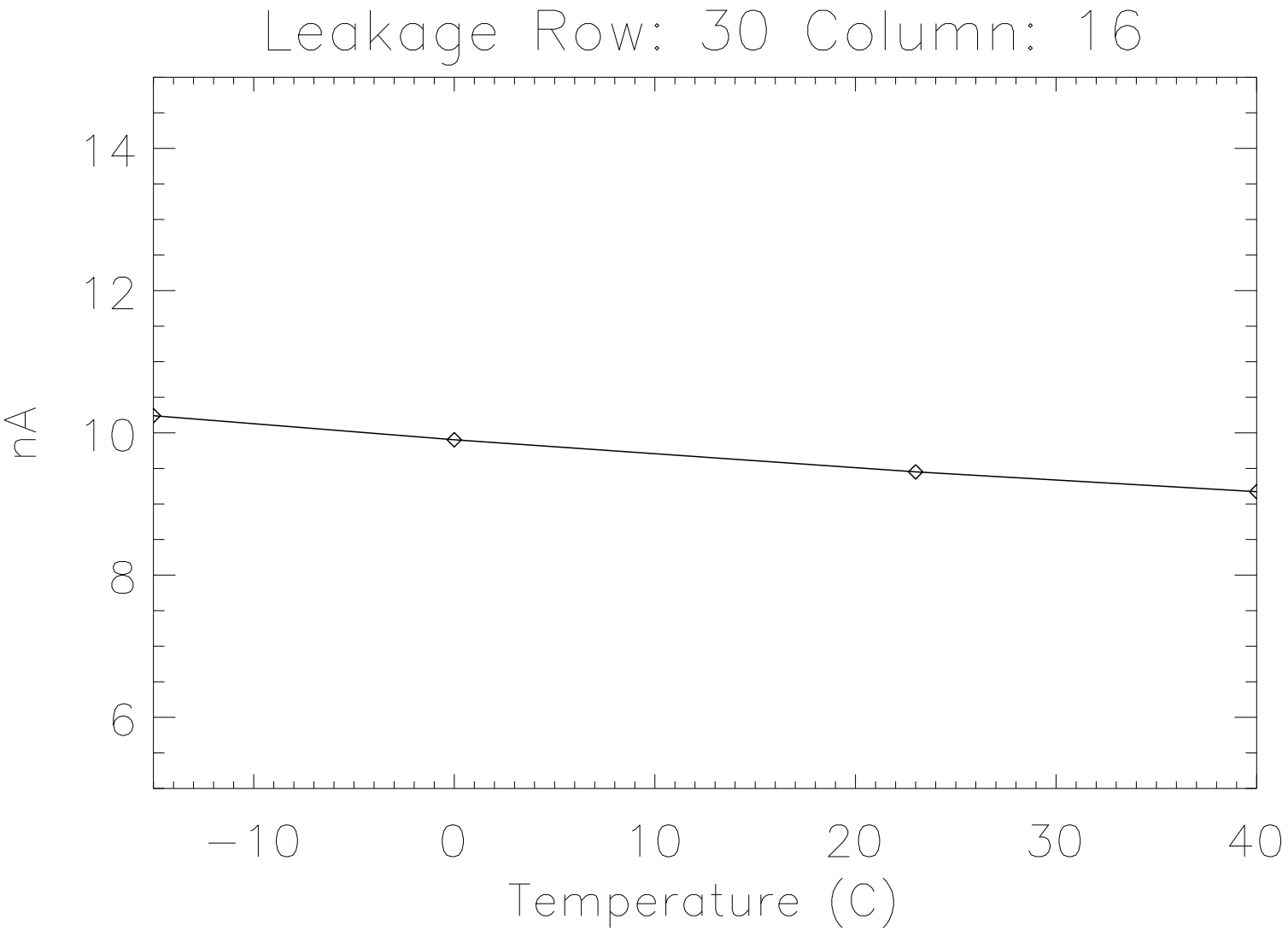
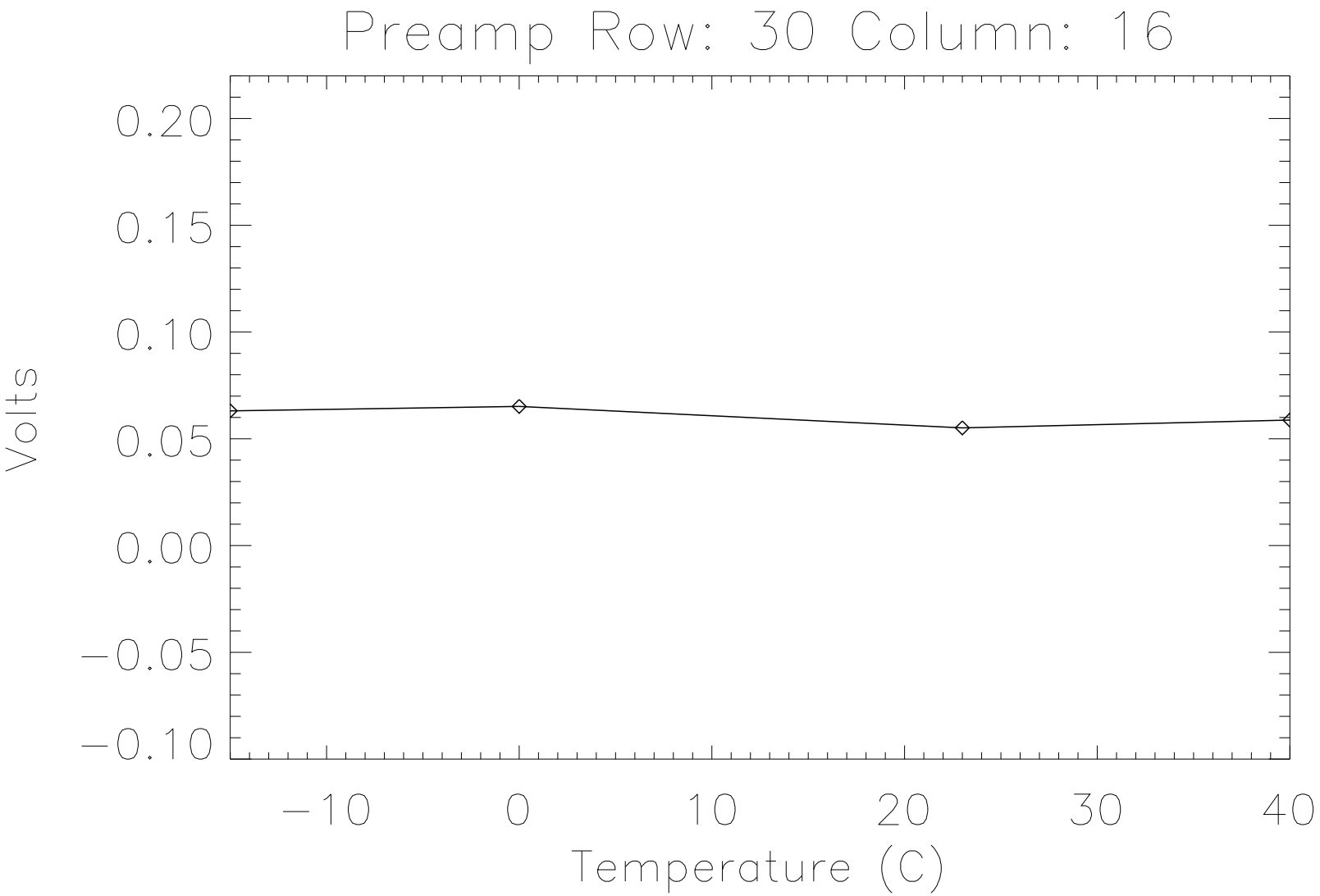
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 29 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 16
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 16
0.20
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0.10
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0.00
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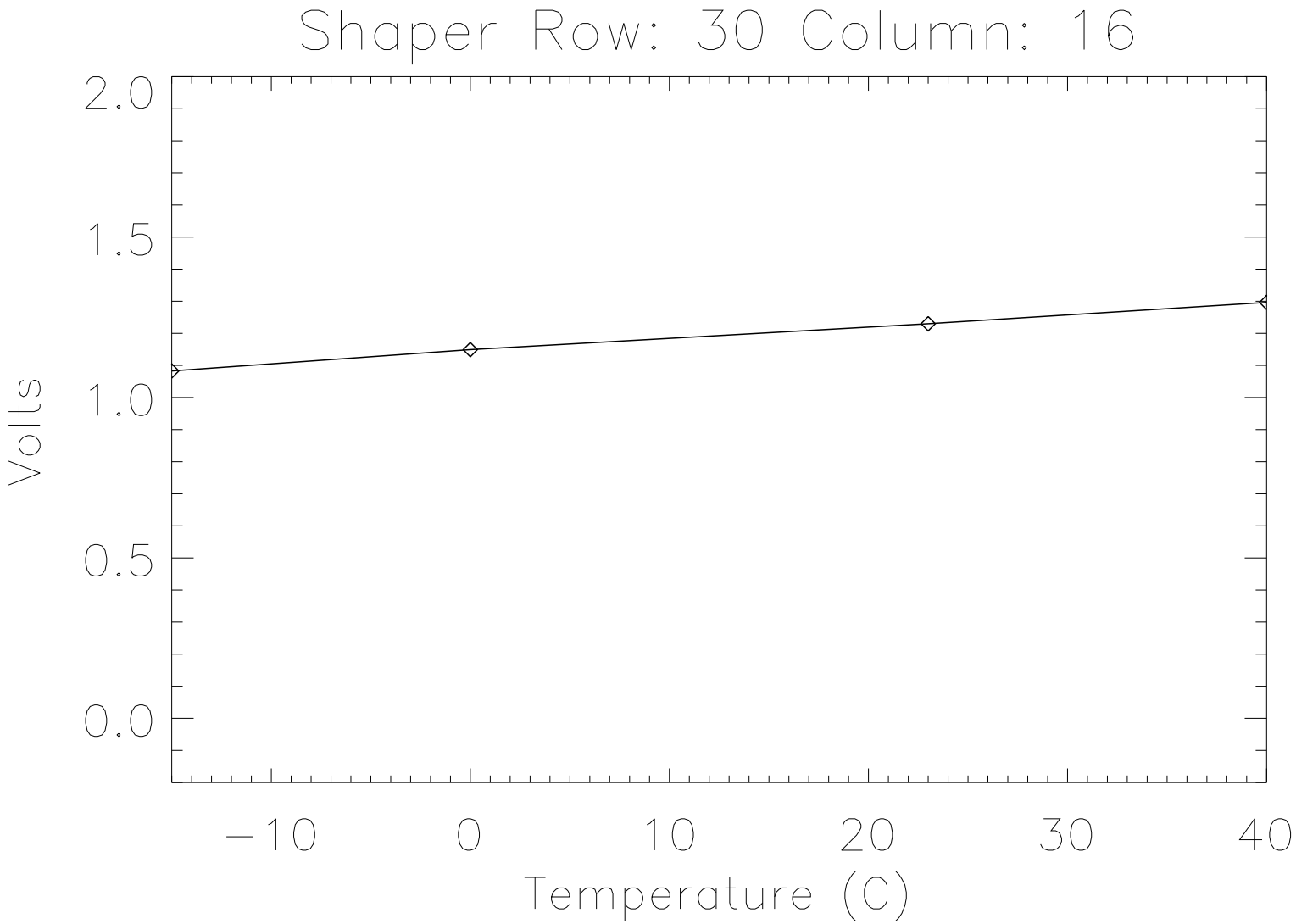
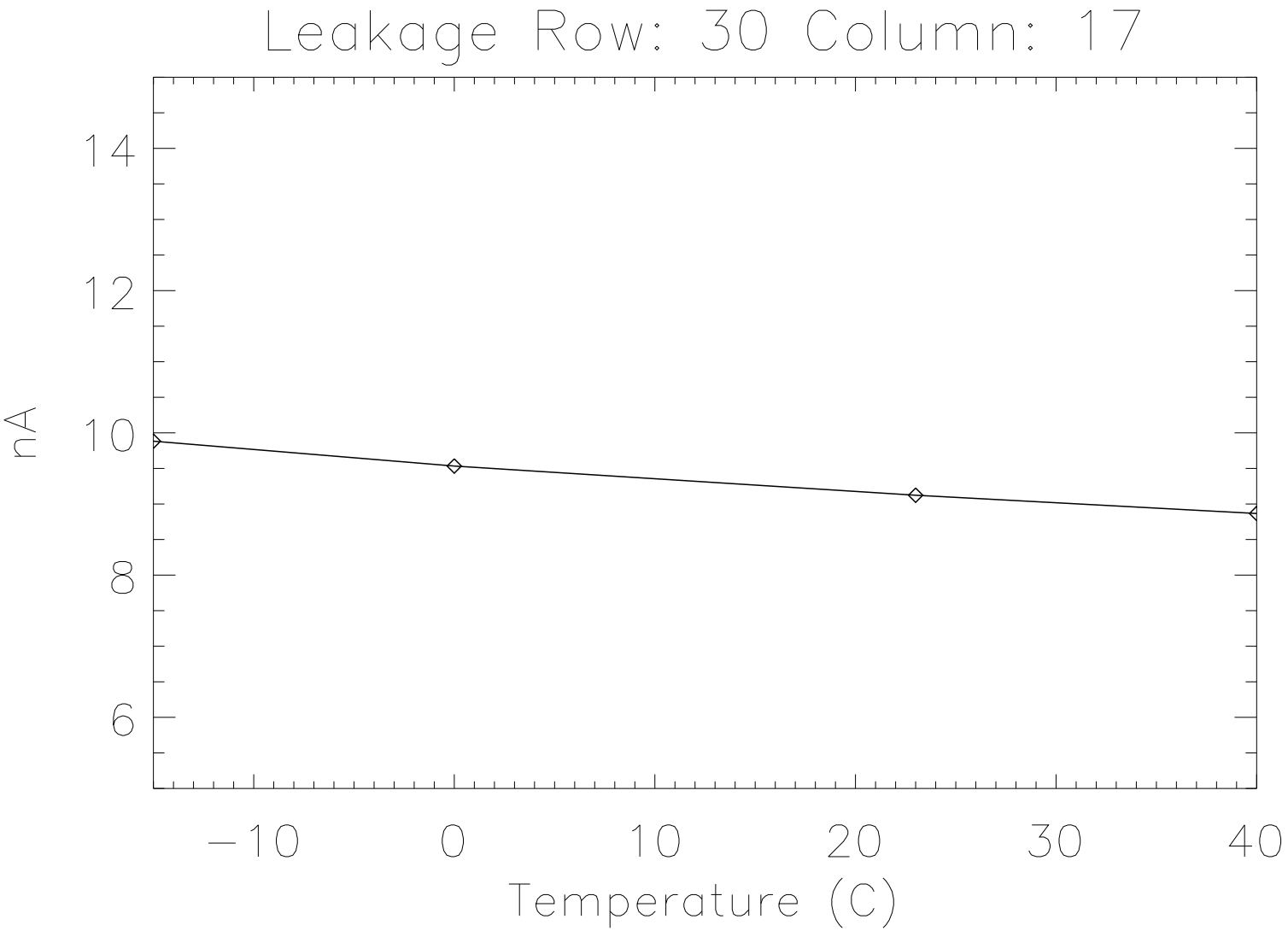
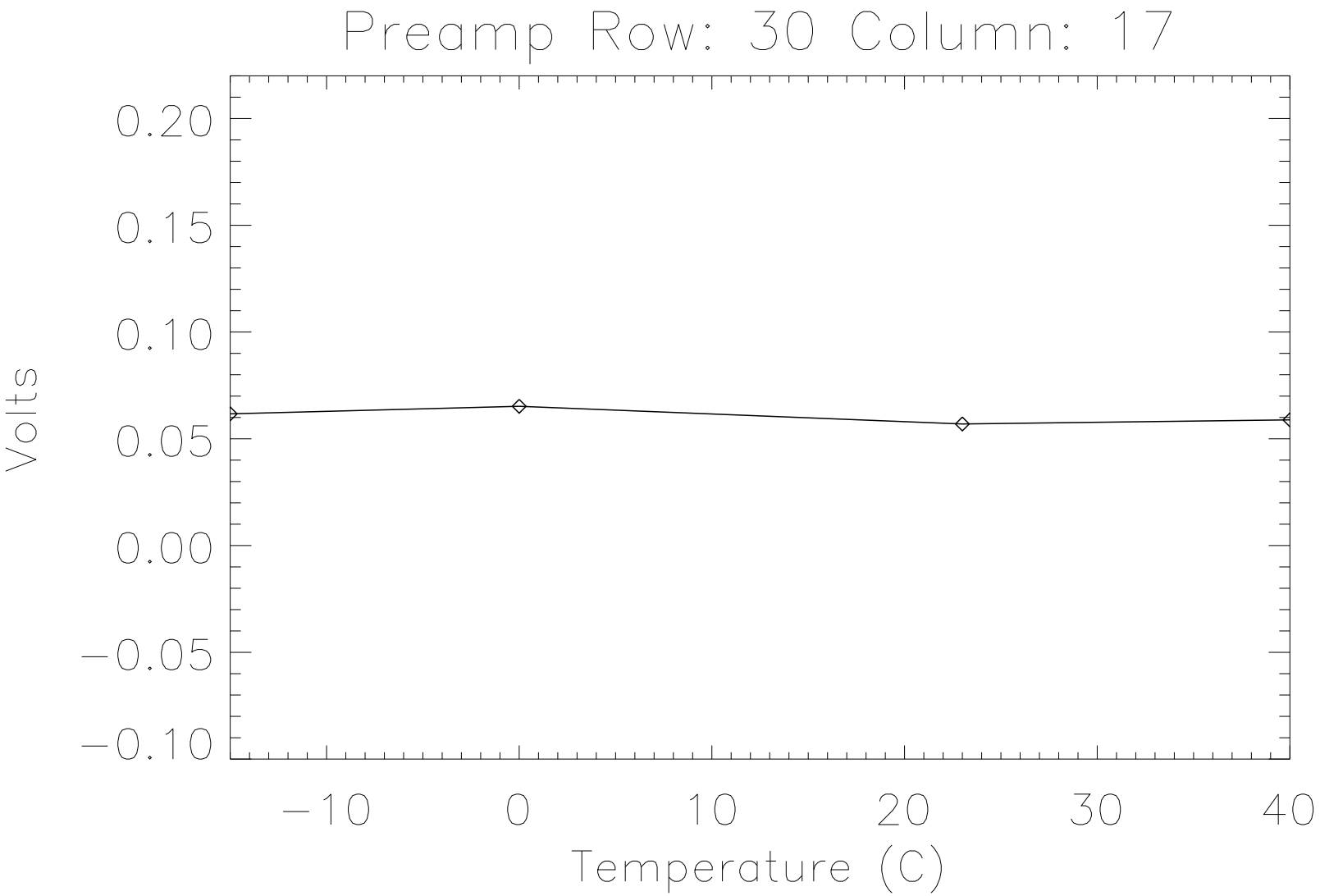
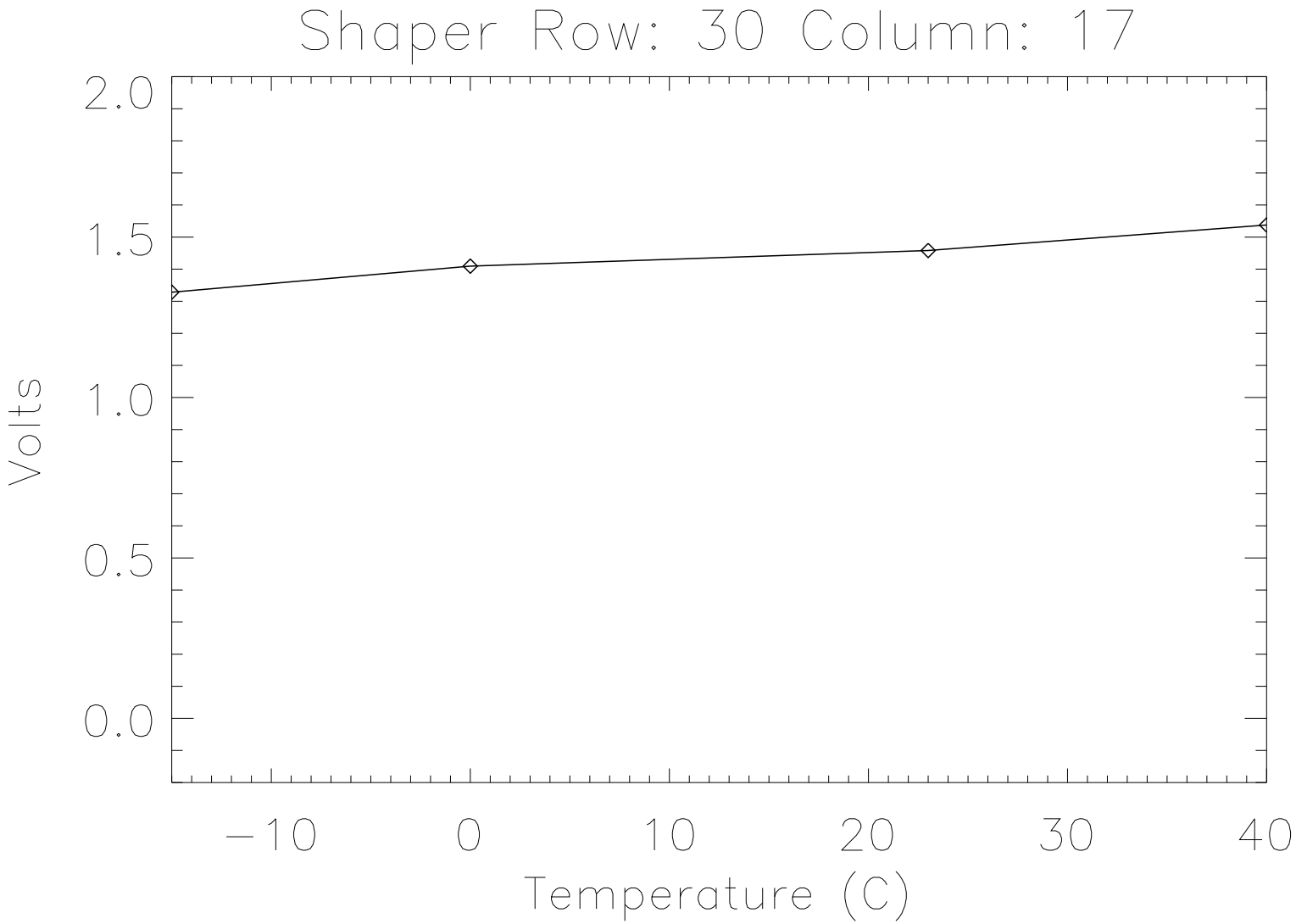
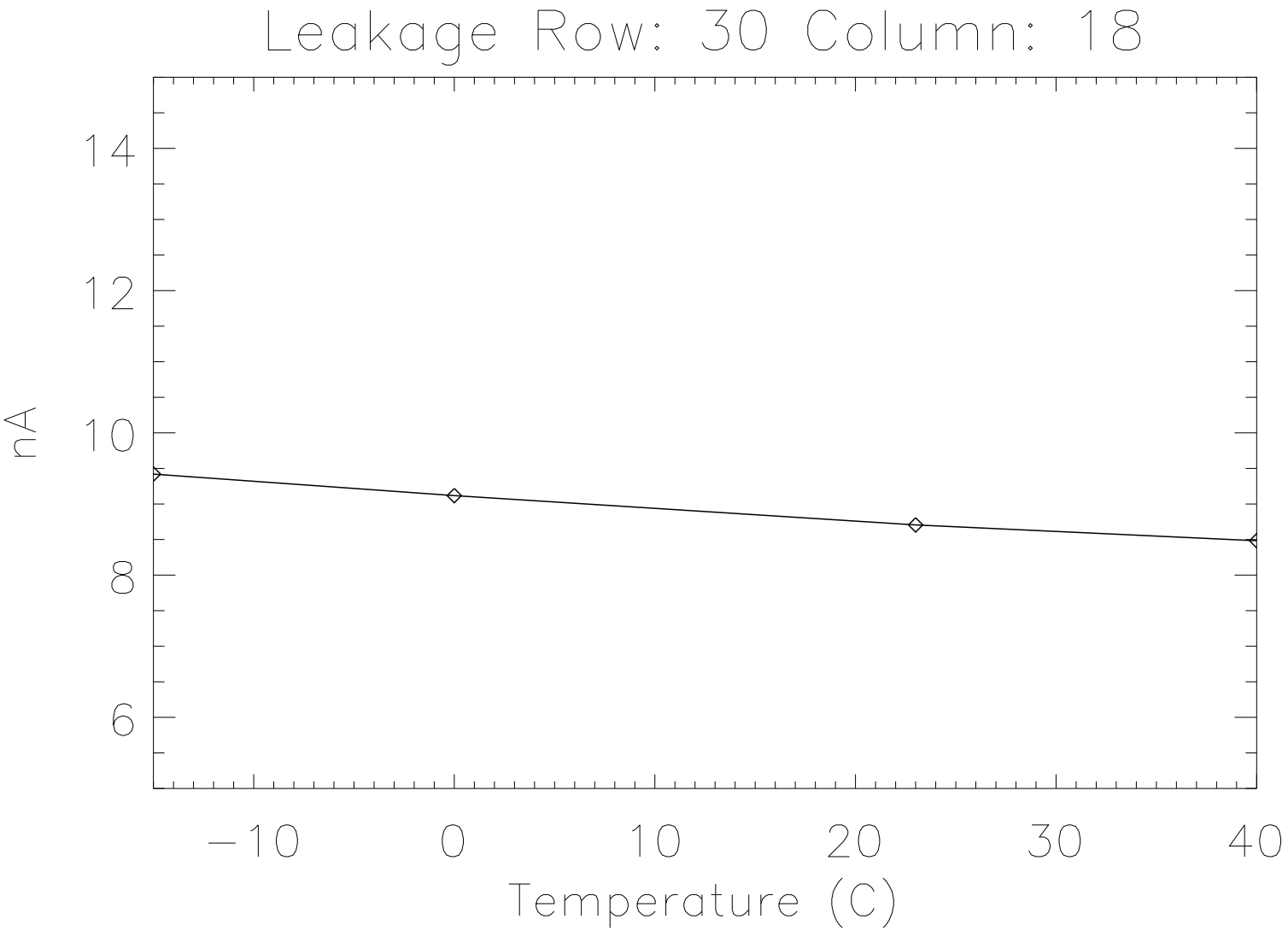
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

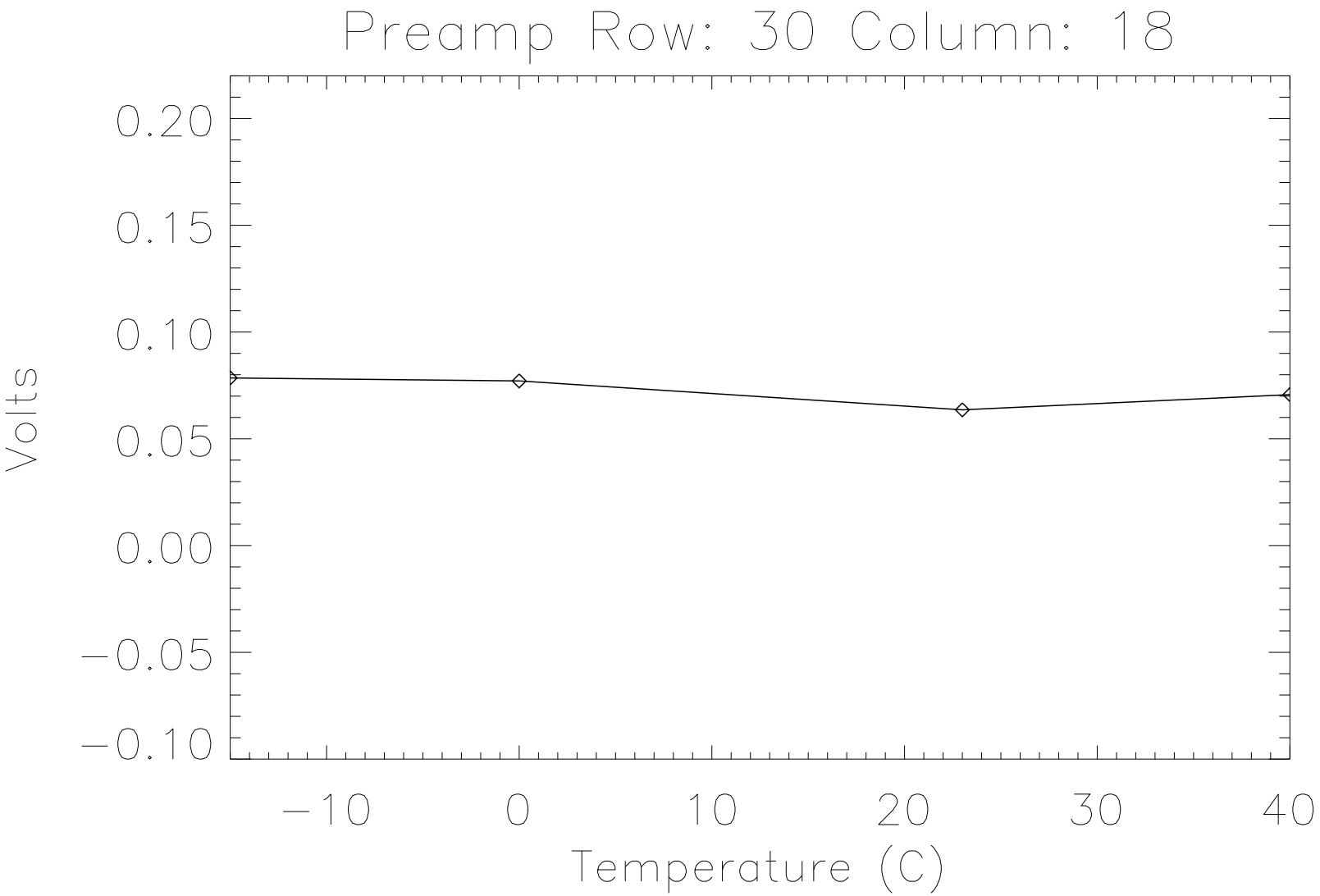

Shaper Row: 30 Column: 16
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 17
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 17
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 30 Column: 17
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 18
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 18
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0.10
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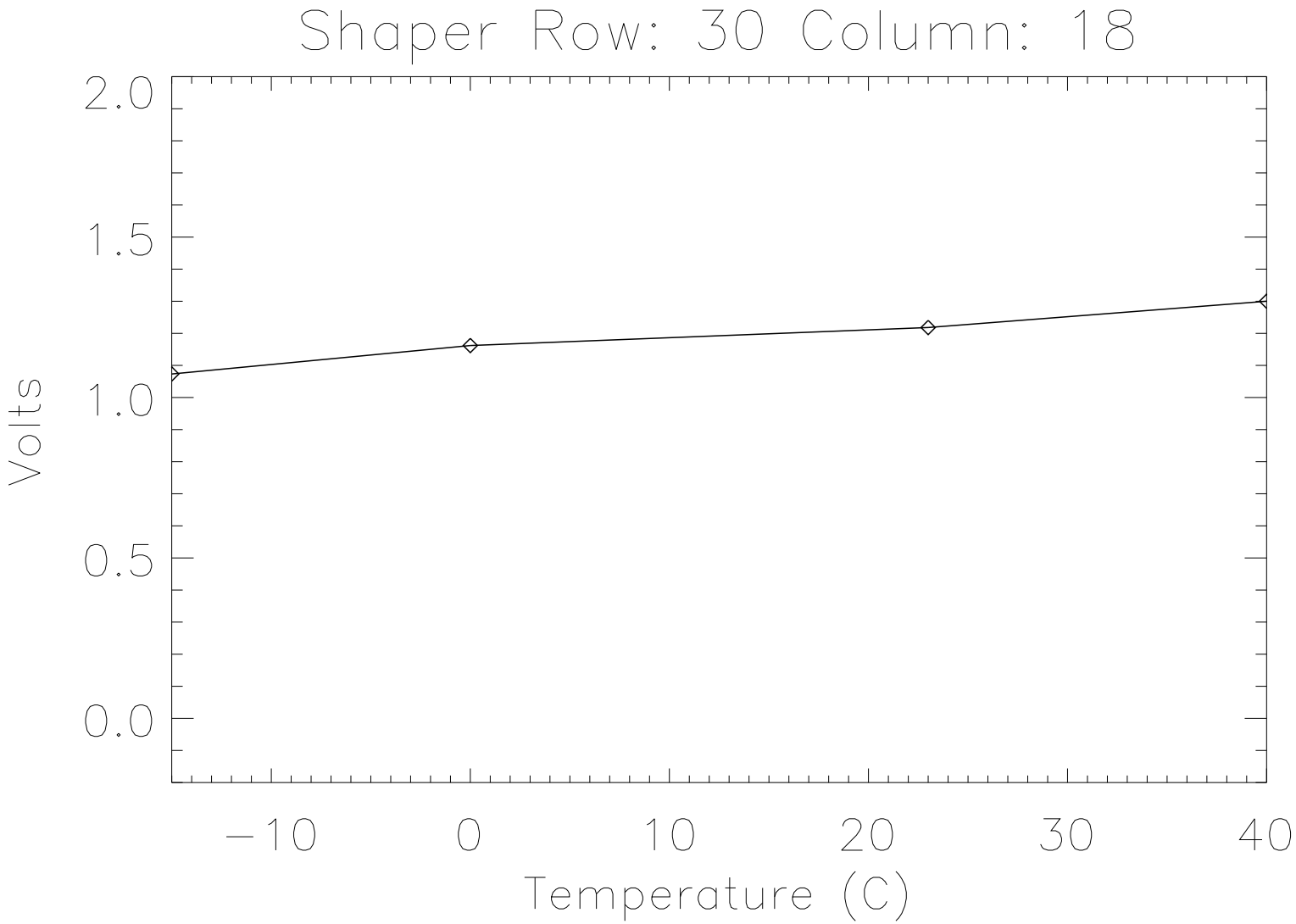
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 30 Column: 18
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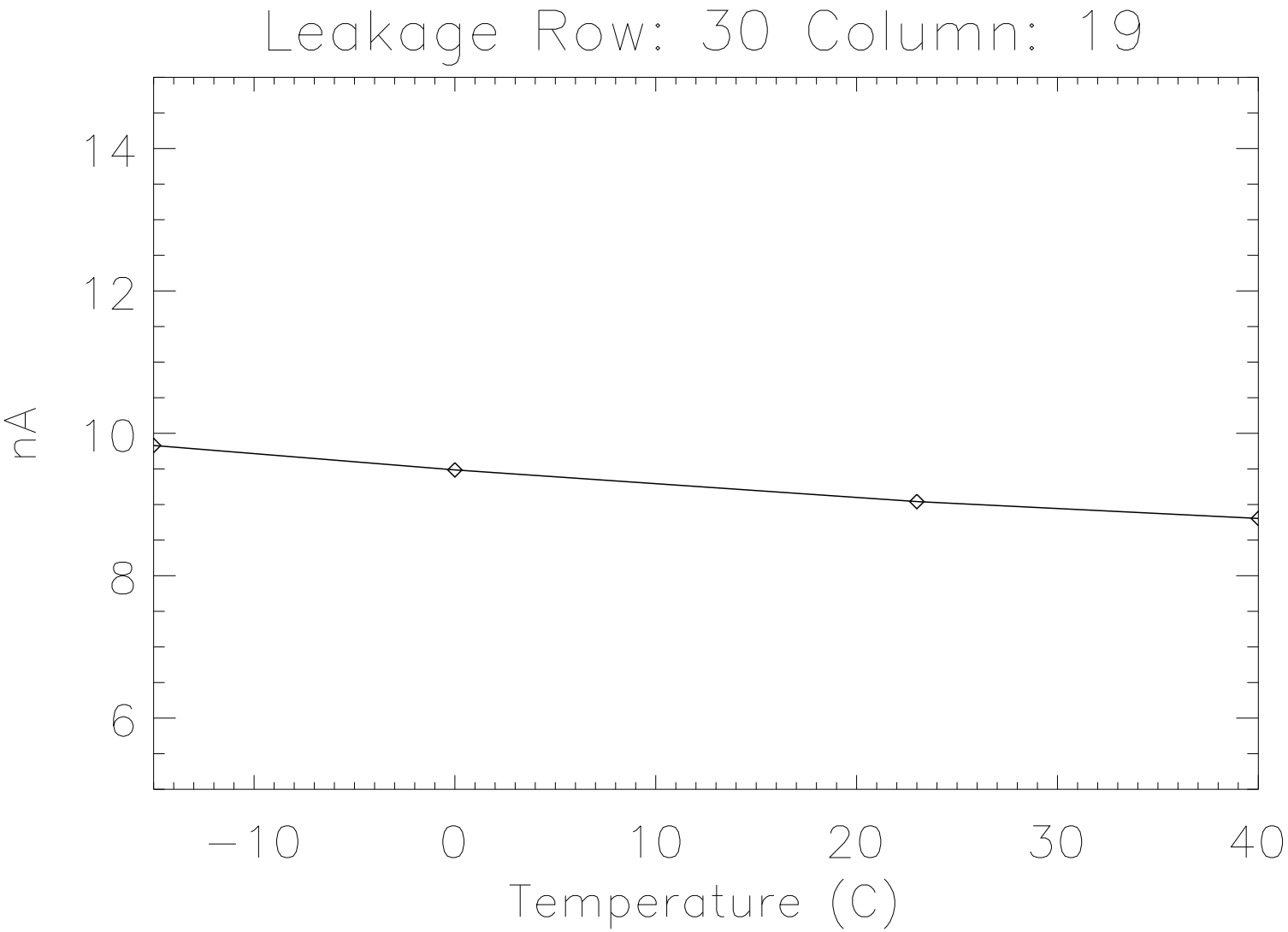
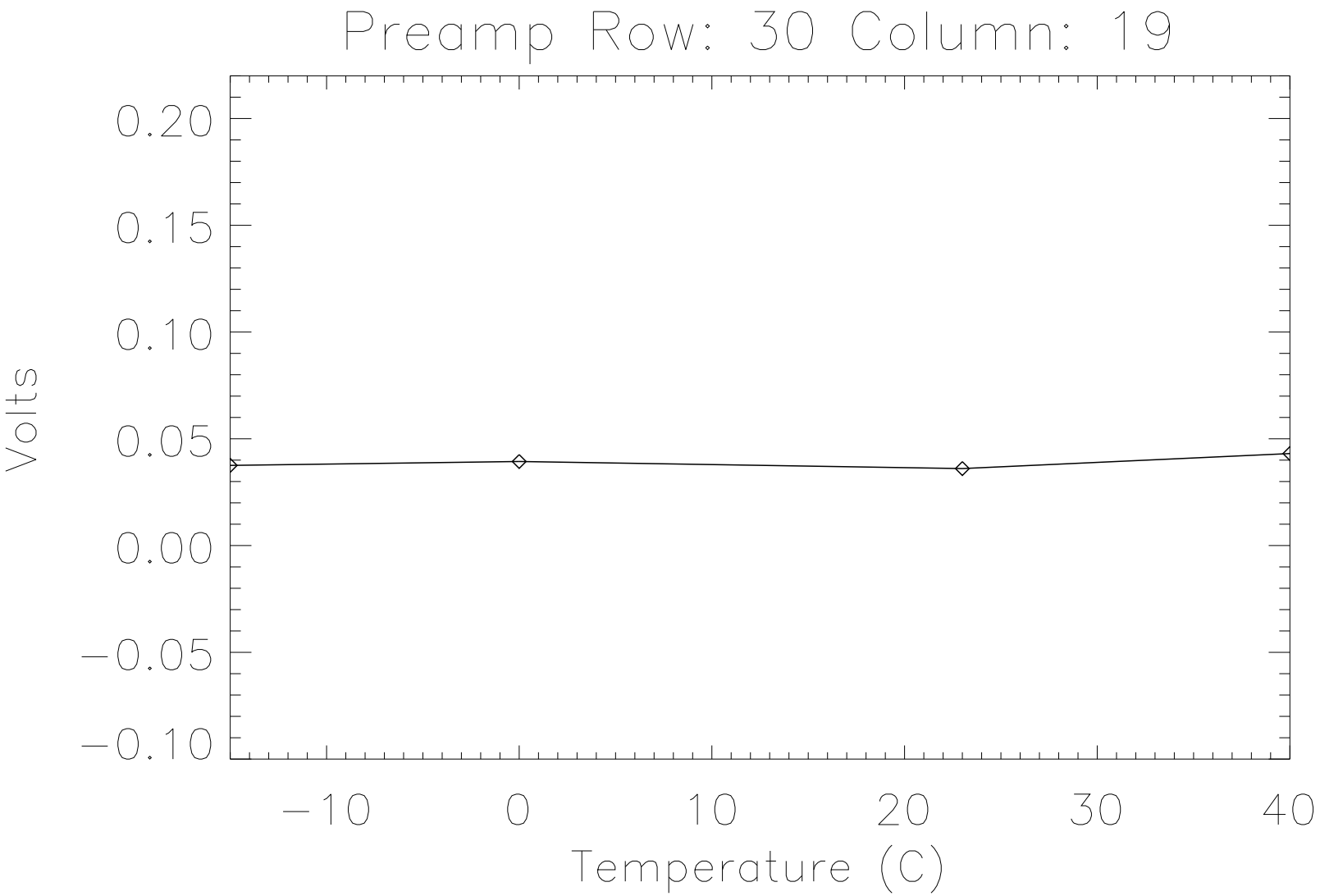
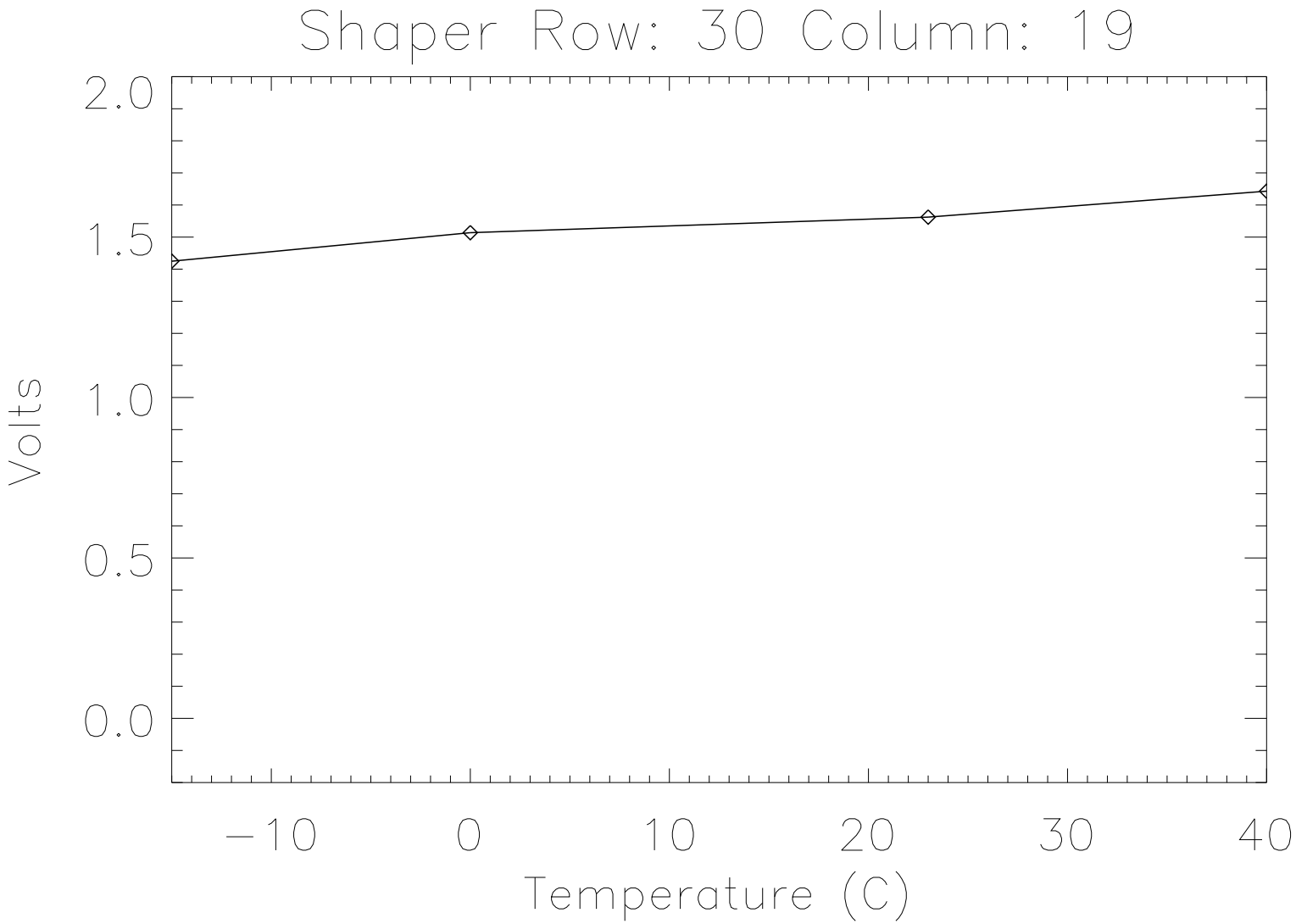
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 19
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 19
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 30 Column: 19
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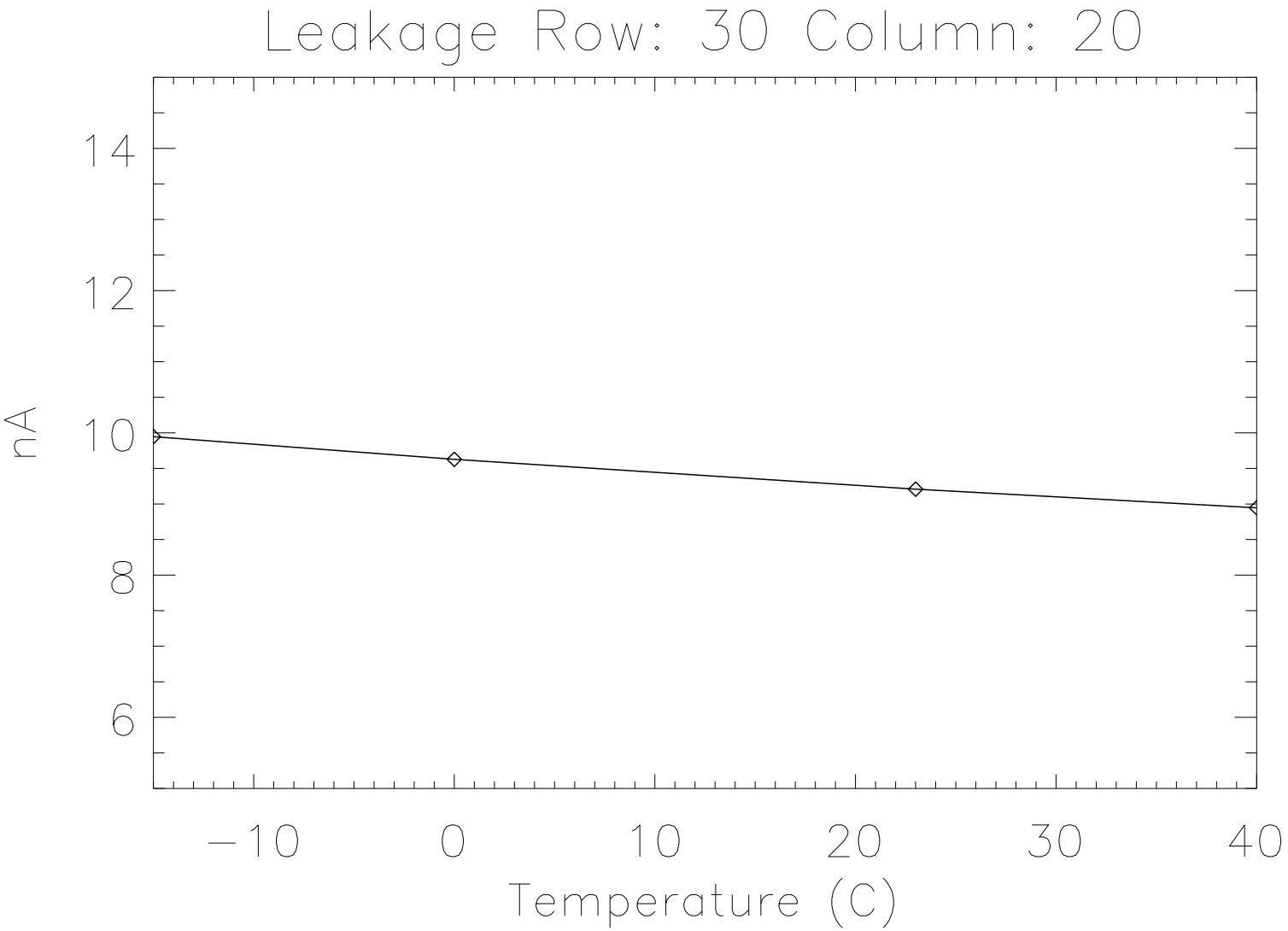
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 20
nA
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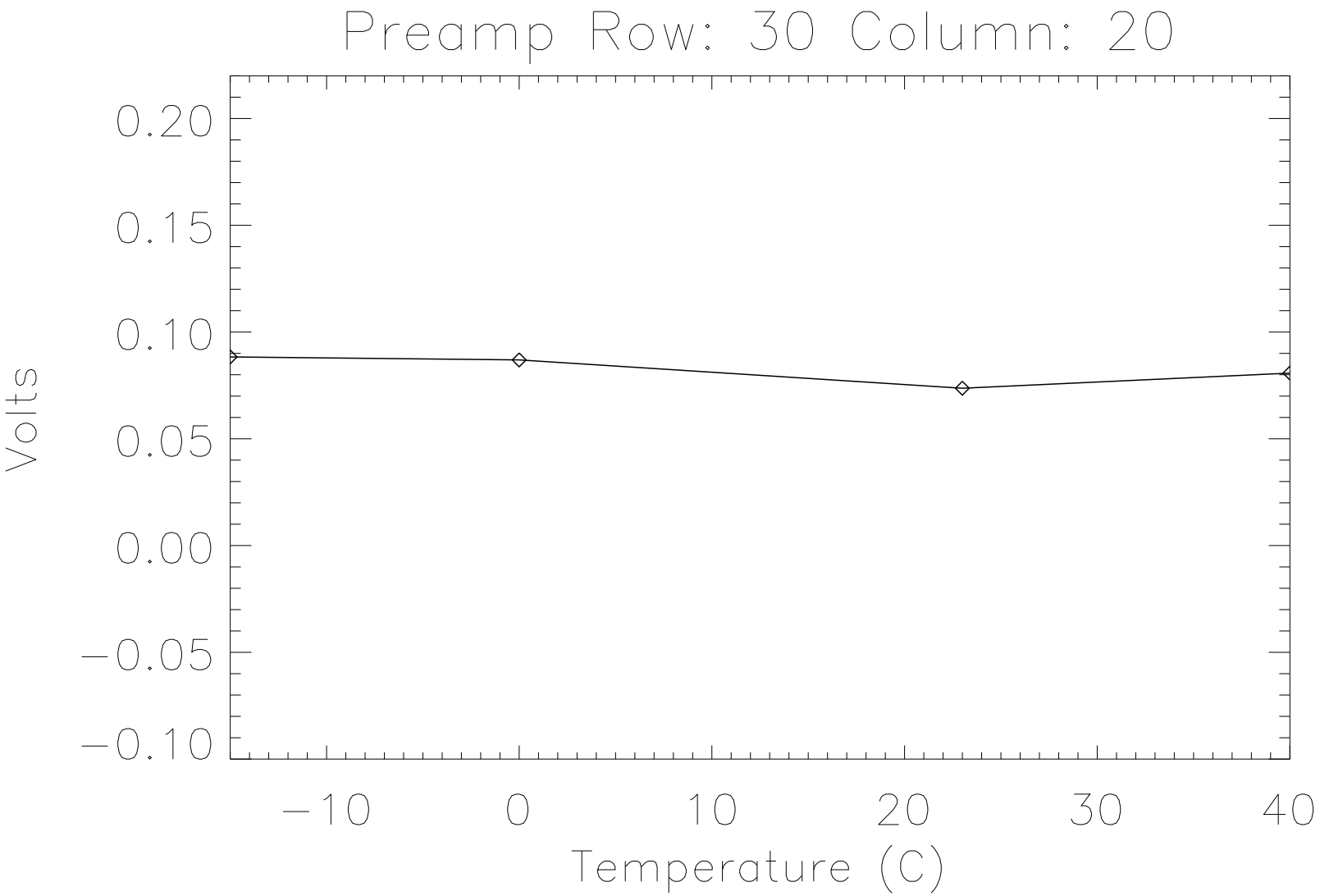
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 20
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0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
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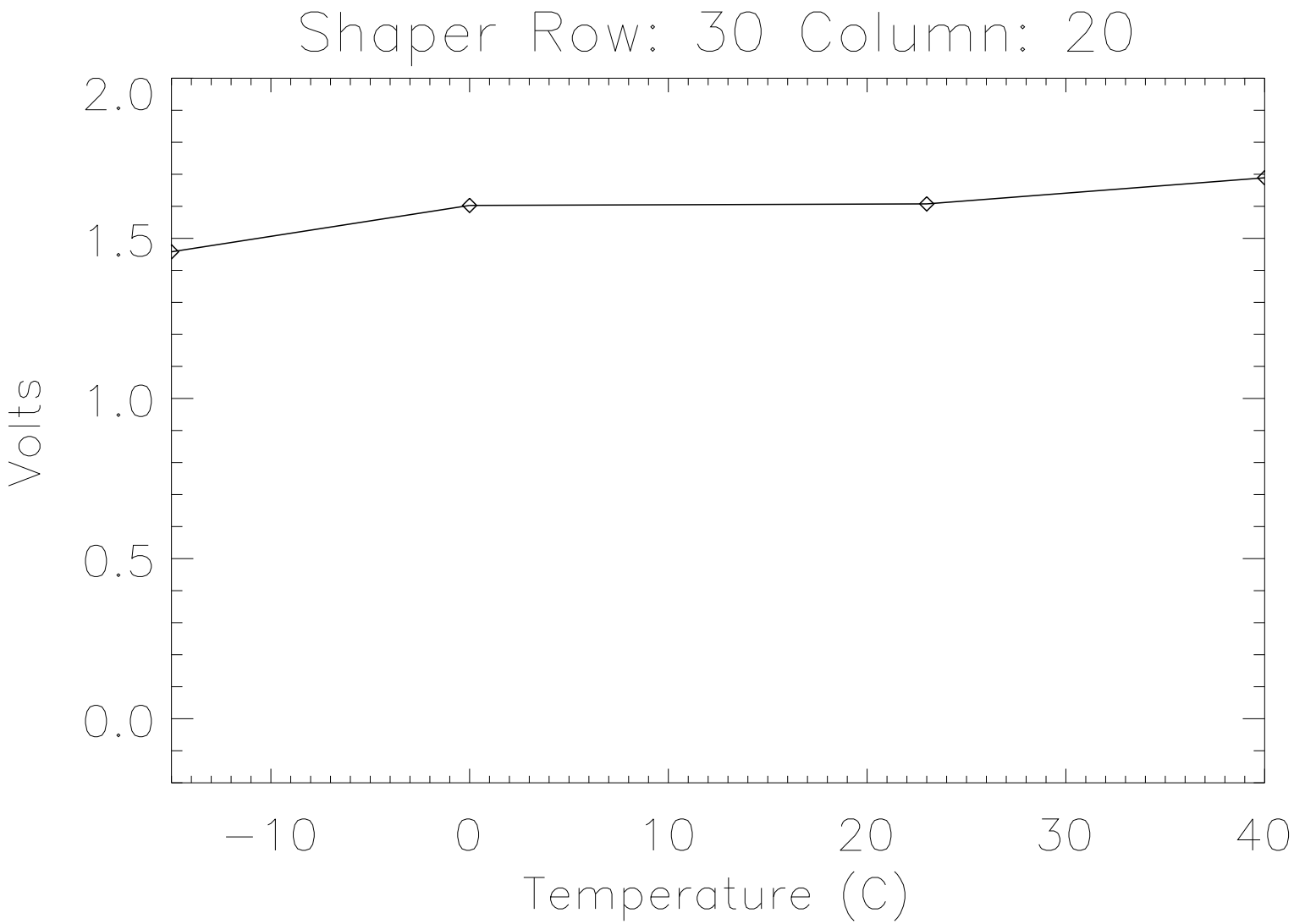
20
30
40
Temperature (C)


Shaper Row: 30 Column: 20
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1.0
0.5
0.0
Volts
−10
0
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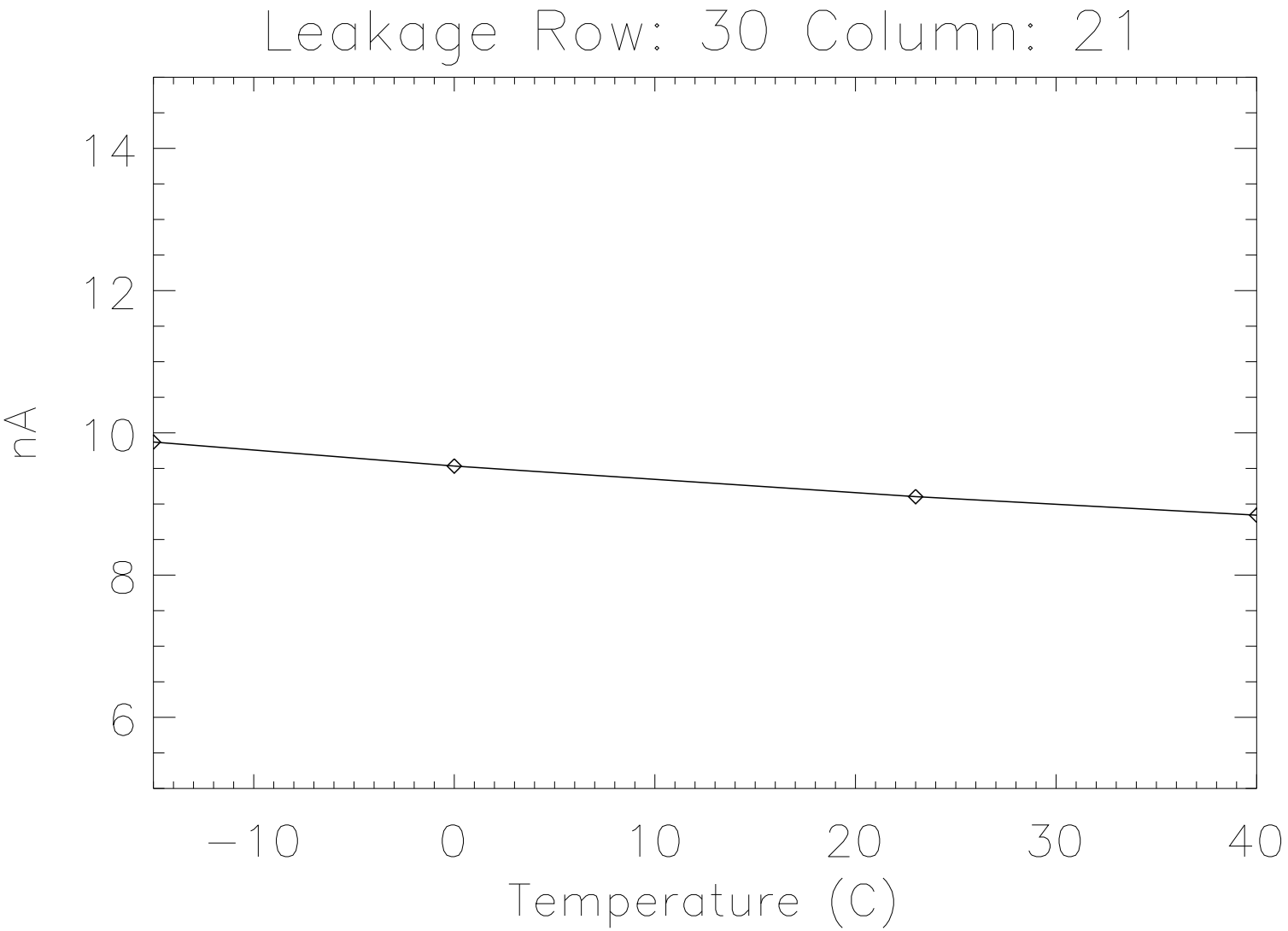
20
30
40
Temperature (C)


Leakage Row: 30 Column: 21
nA
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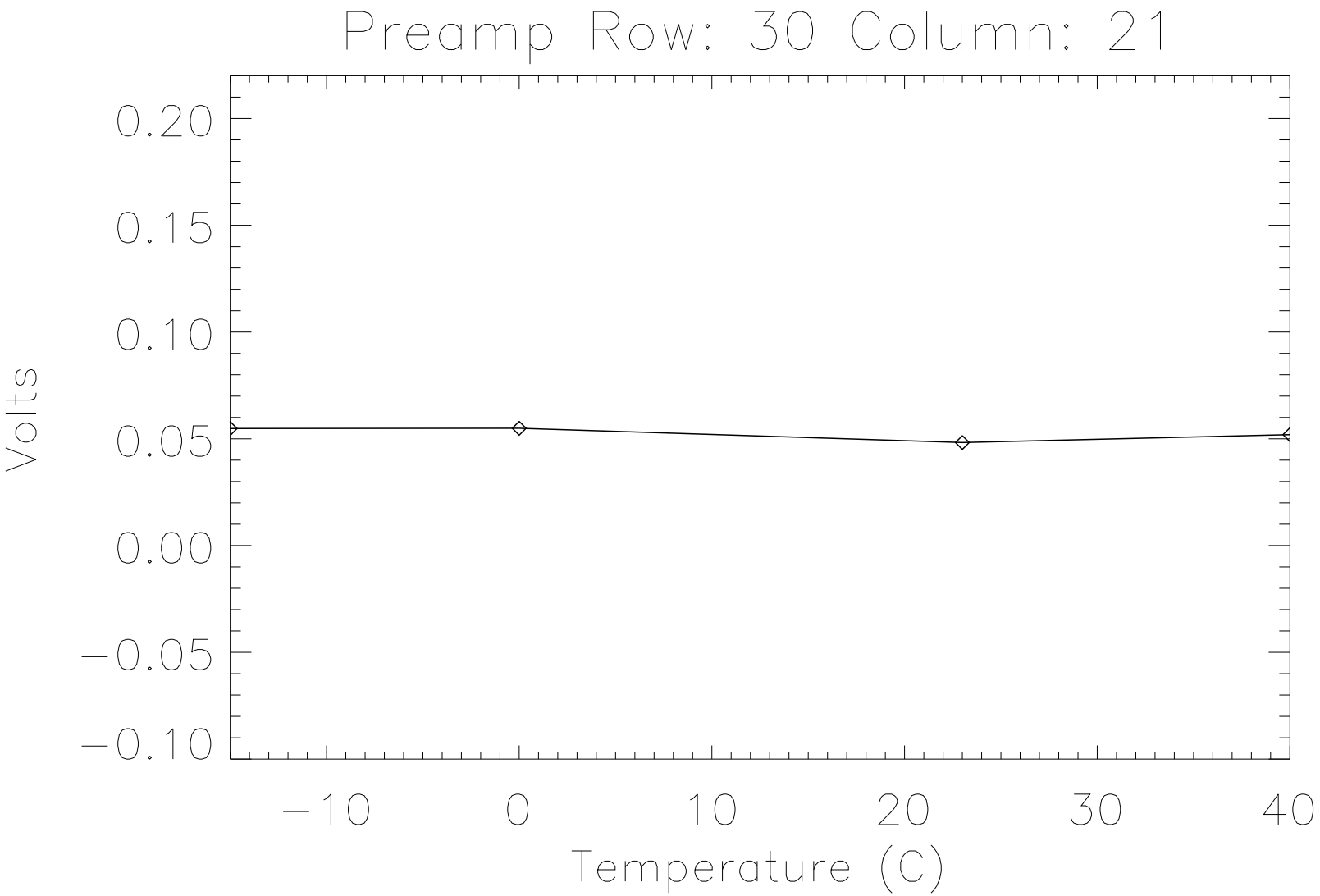
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 21
0.20
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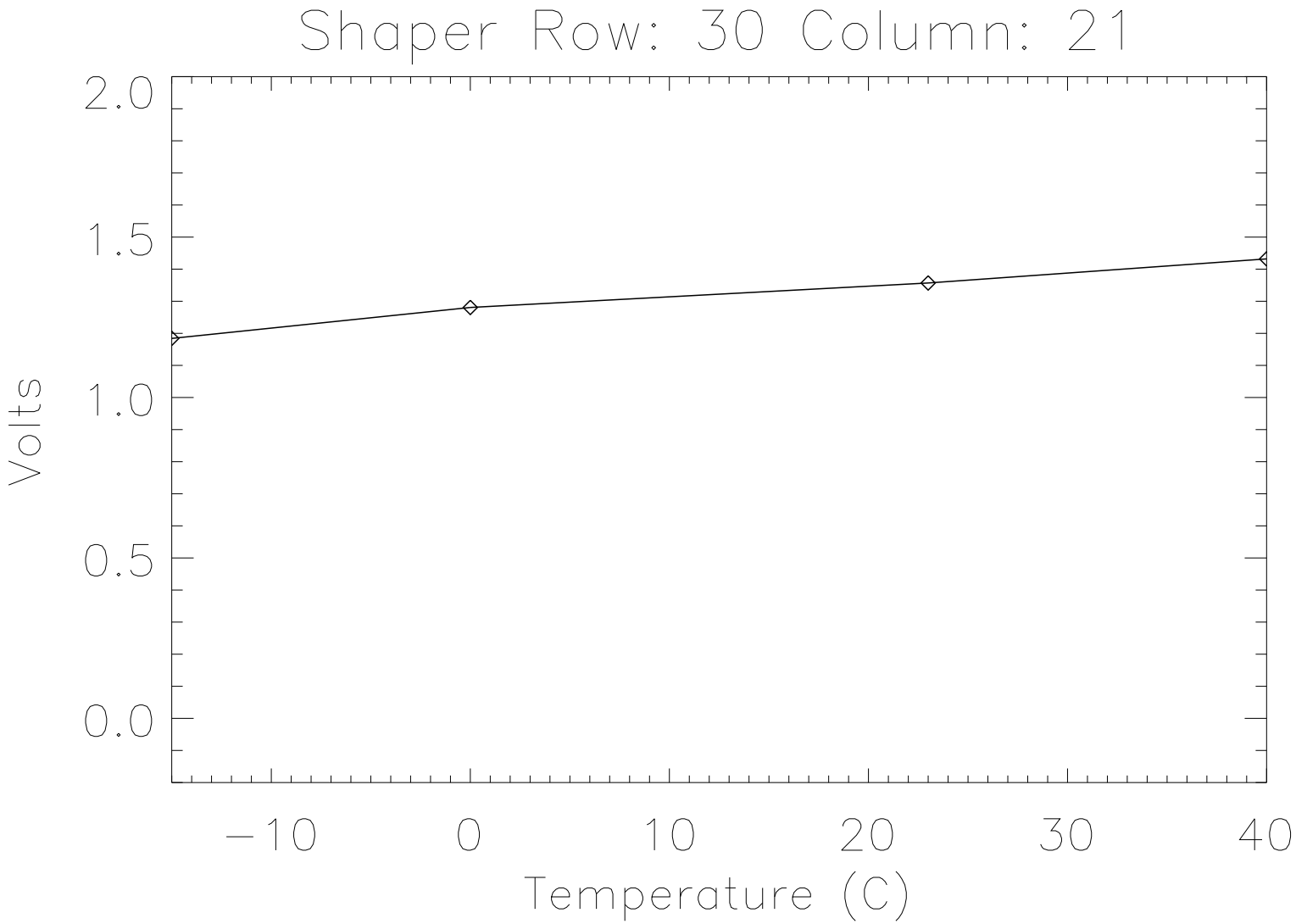
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 30 Column: 21
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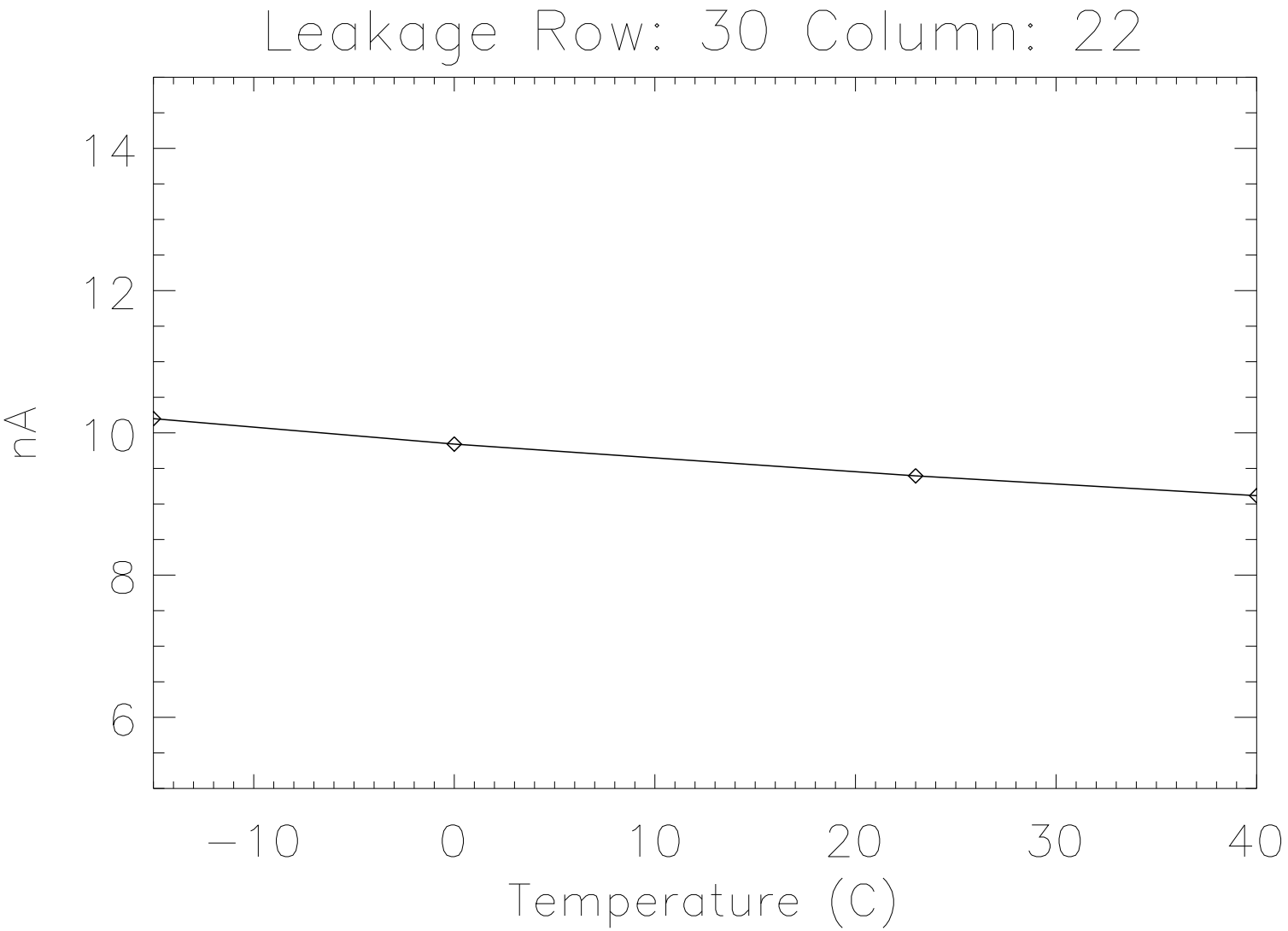
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)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nA
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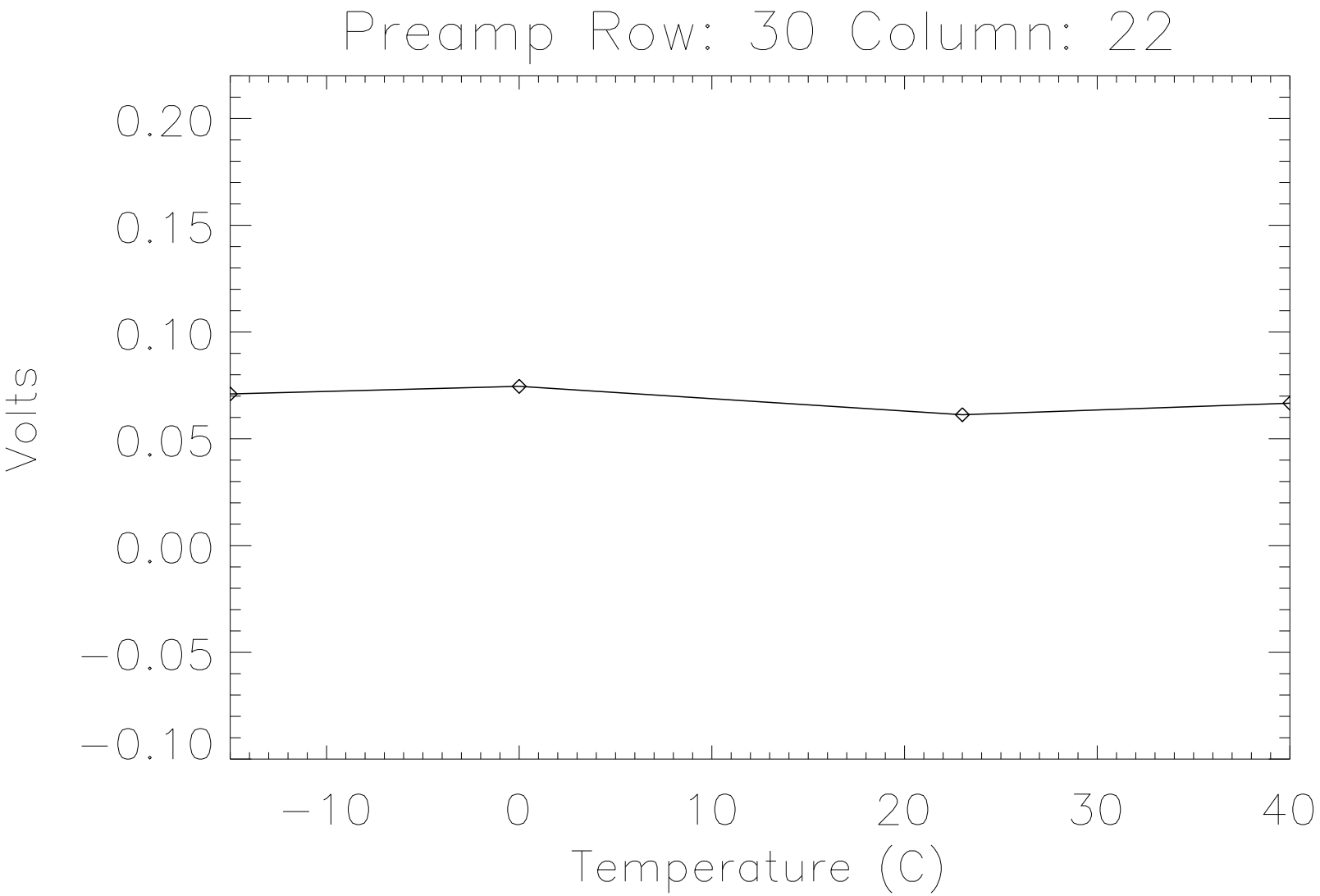
30
40
Temperature (C)


Preamp Row: 30 Column: 22
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−0.05
−0.10
Volts
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0
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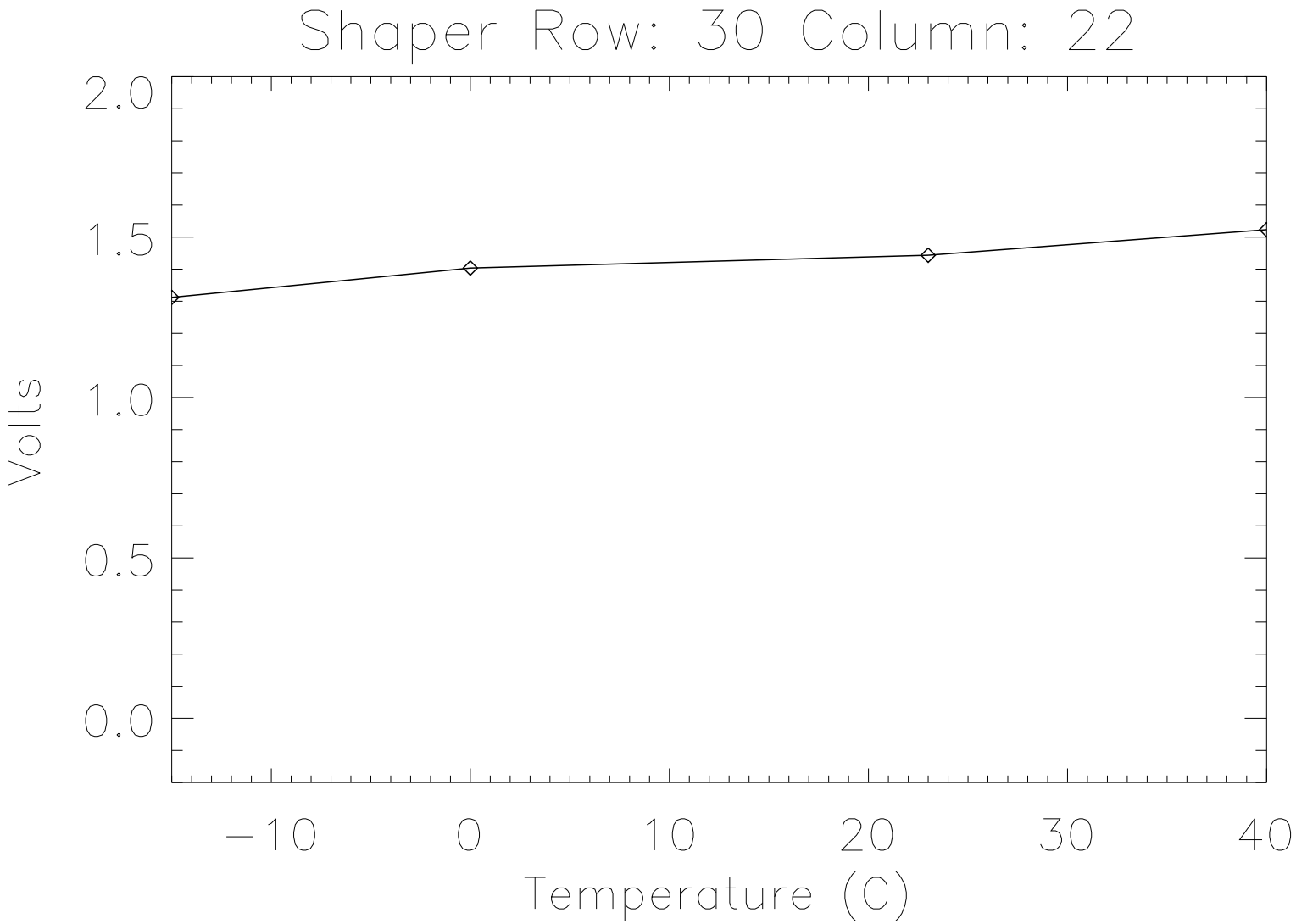
30
40
Temperature (C)


Shaper Row: 30 Column: 22
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1.0
0.5
0.0
Volts
−10
0
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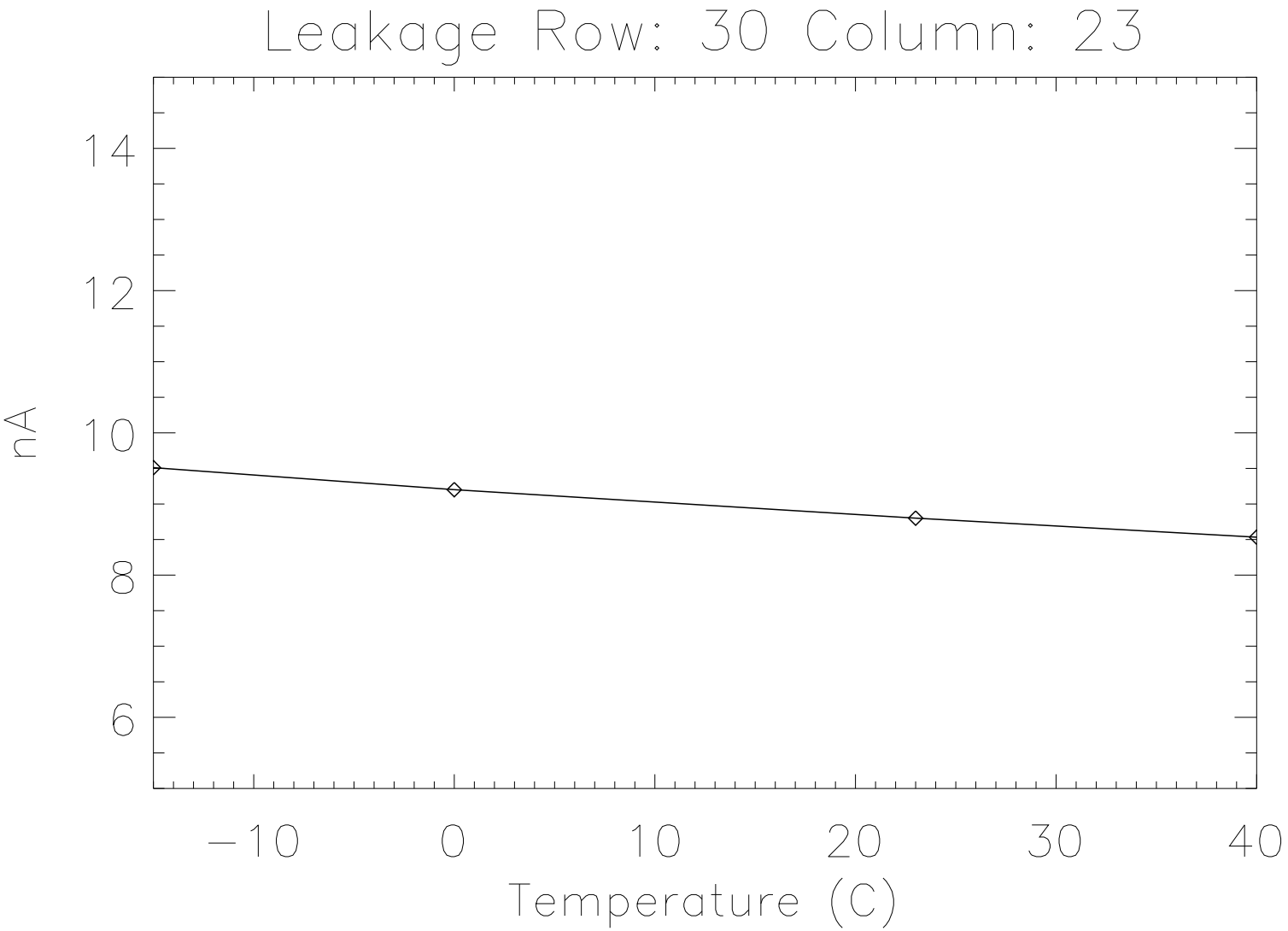
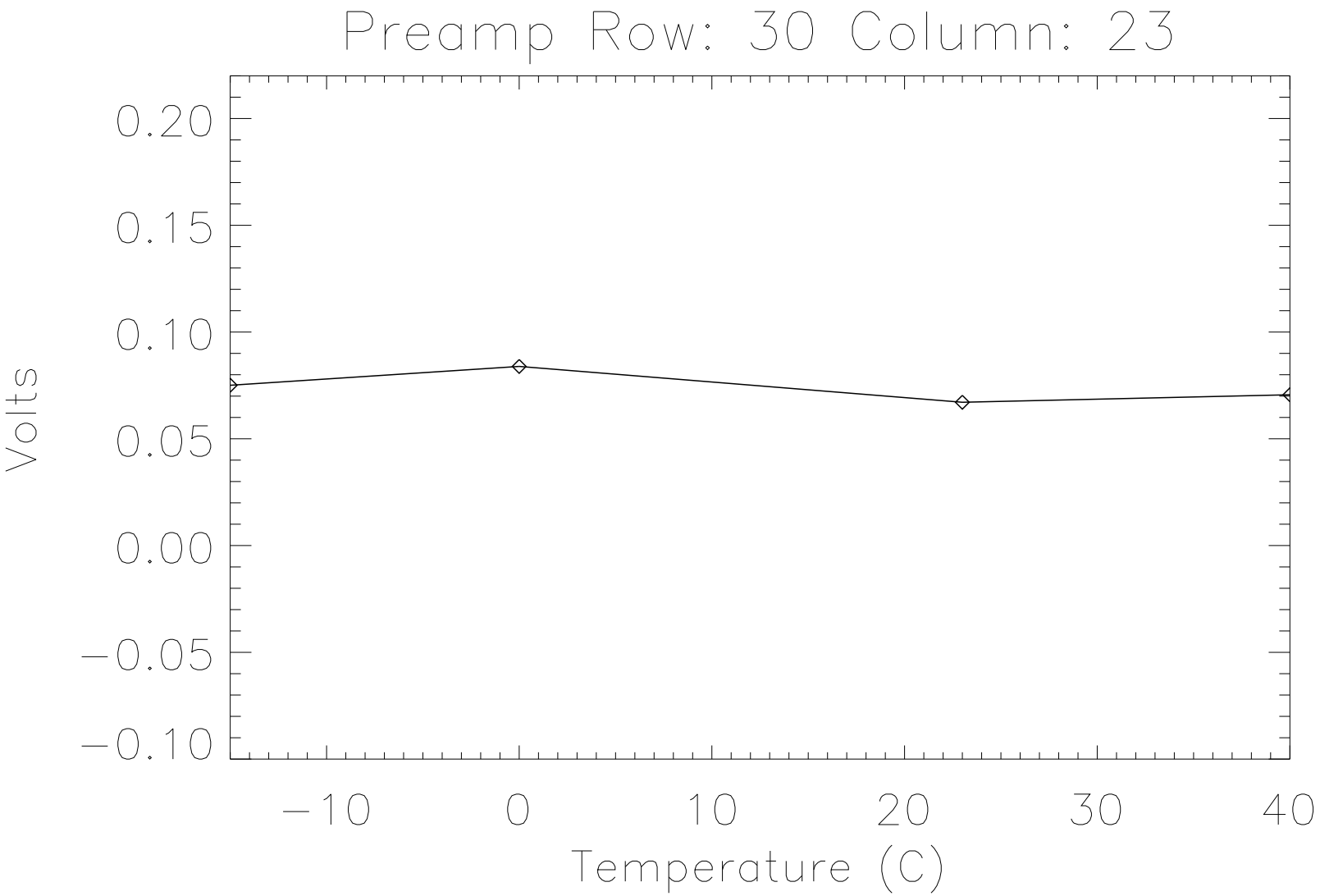
20
30
40
Temperature (C)


Leakage Row: 30 Column: 23
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 23
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0.00
−0.05
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Volts
−10
0
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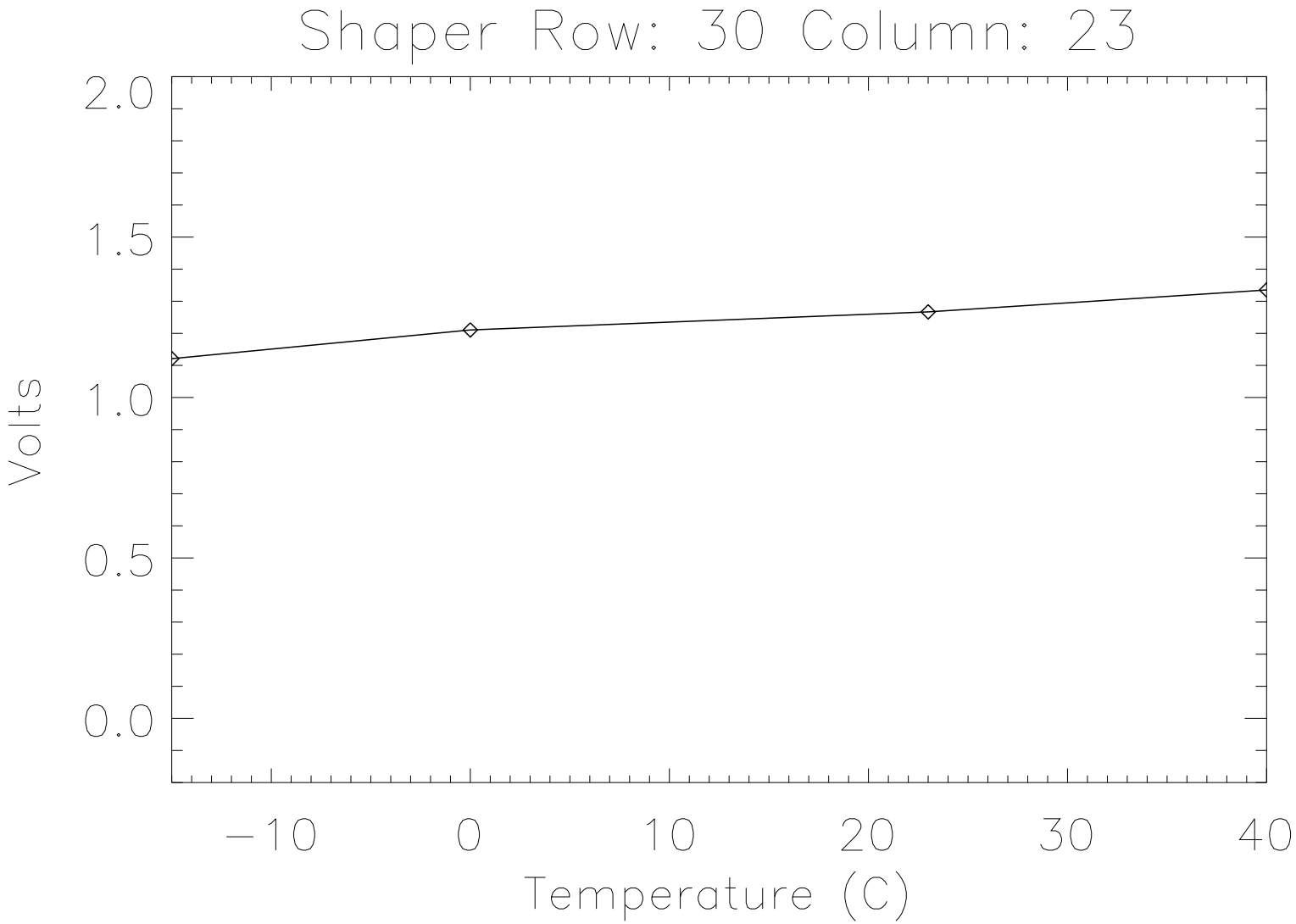
20
30
40
Temperature (C)


Shaper Row: 30 Column: 23
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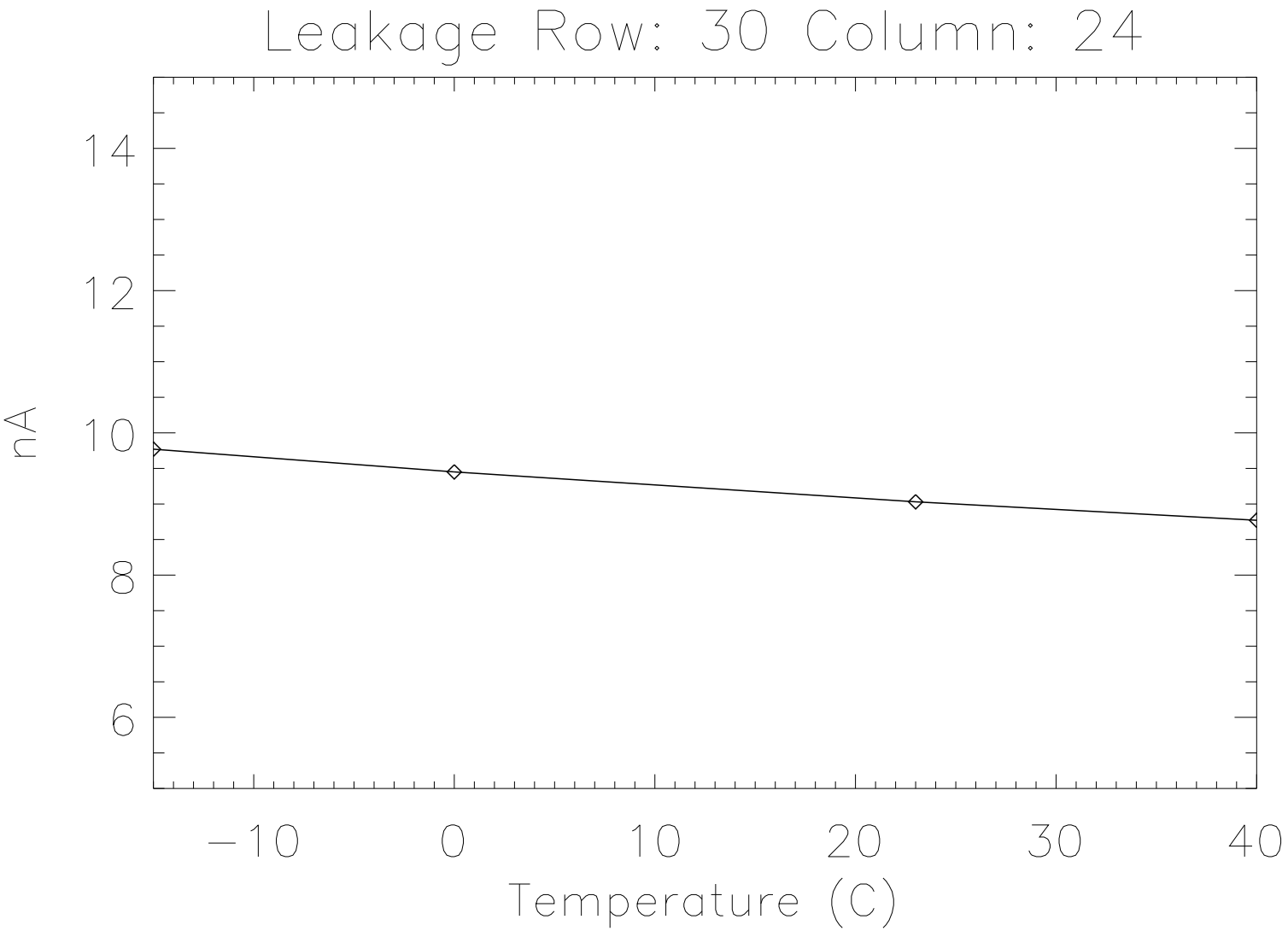
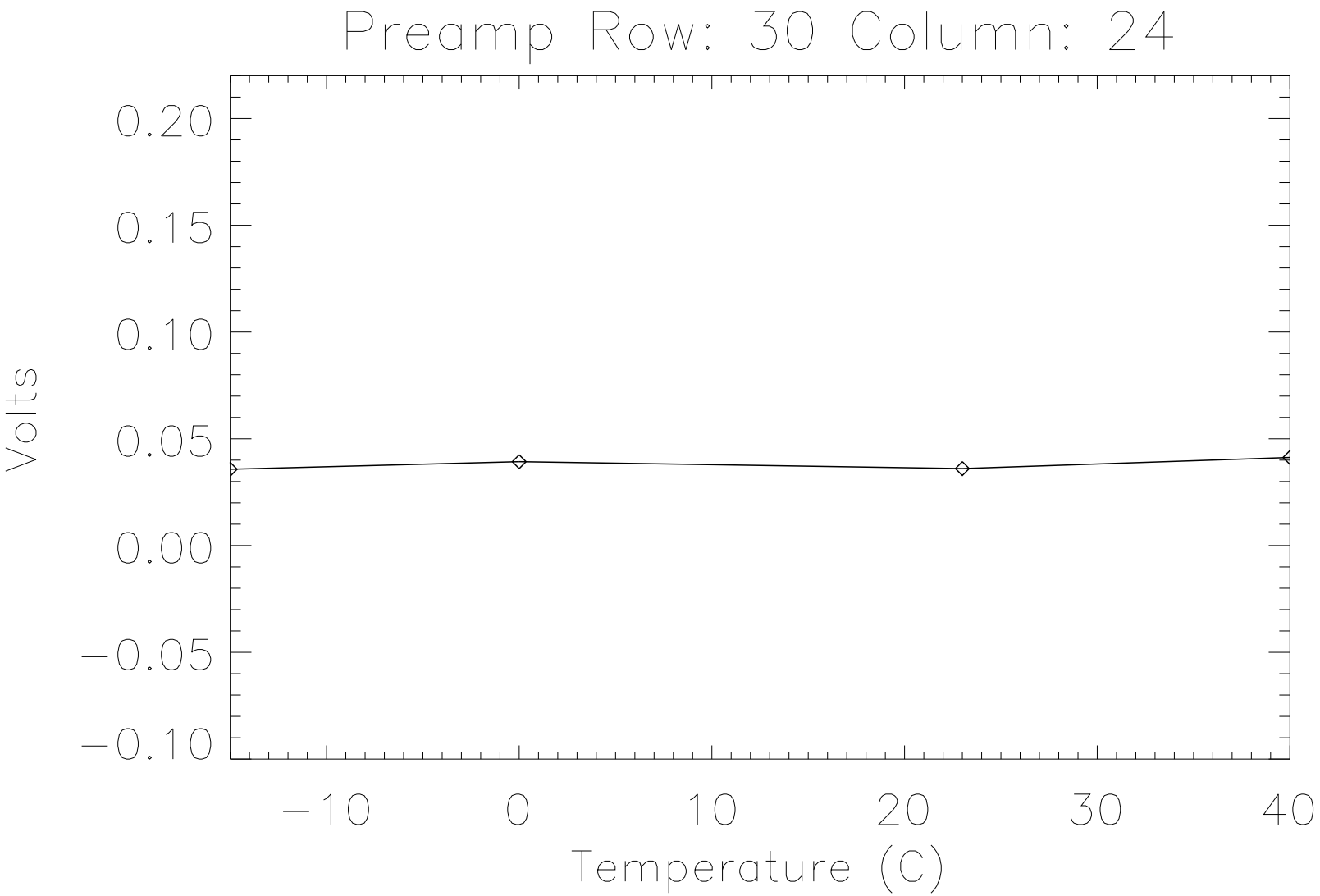
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 24
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 24
0.20
0.15
0.10
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0.00
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−0.10
Volts
−10
0
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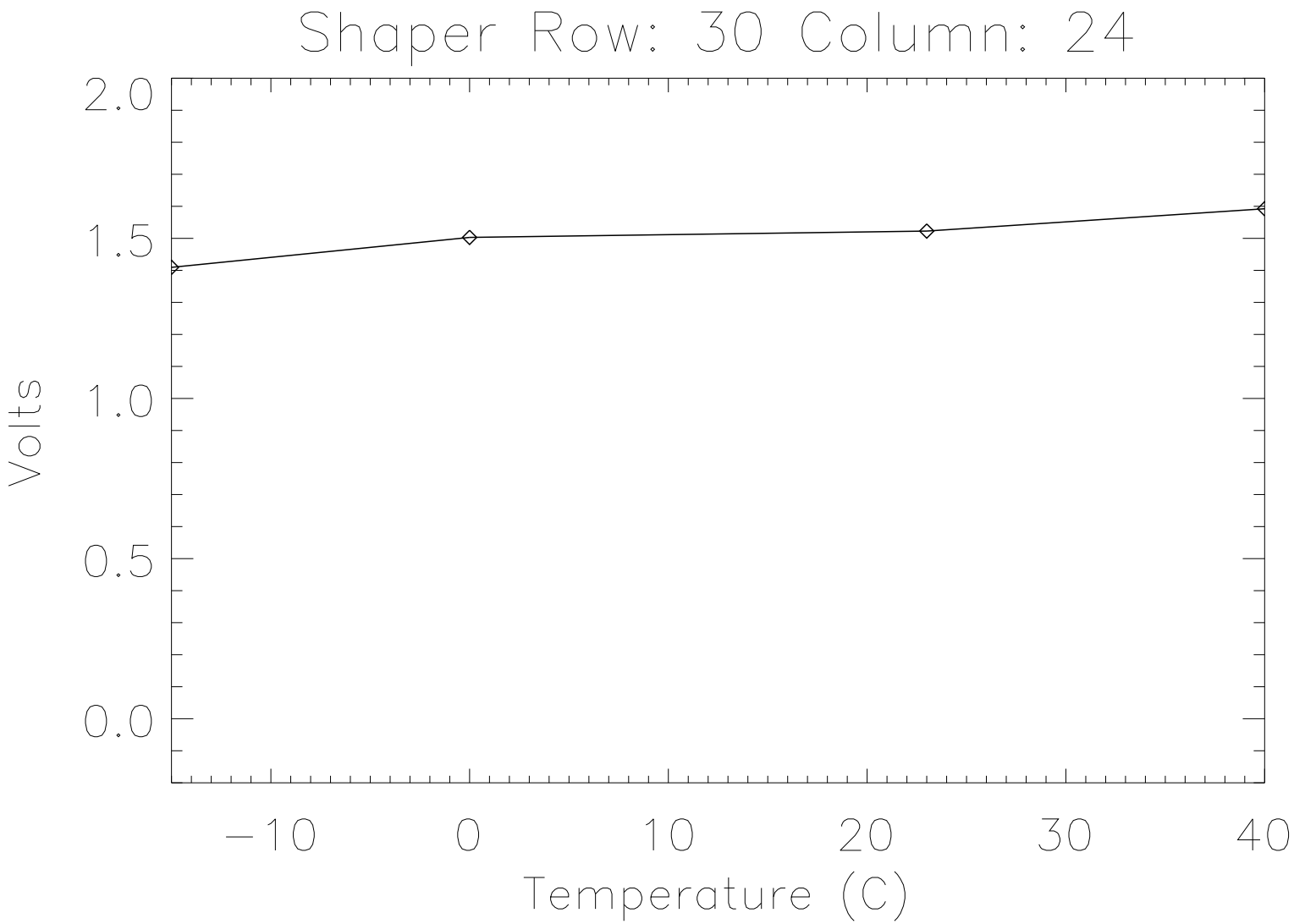
20
30
40
Temperature (C)


Shaper Row: 30 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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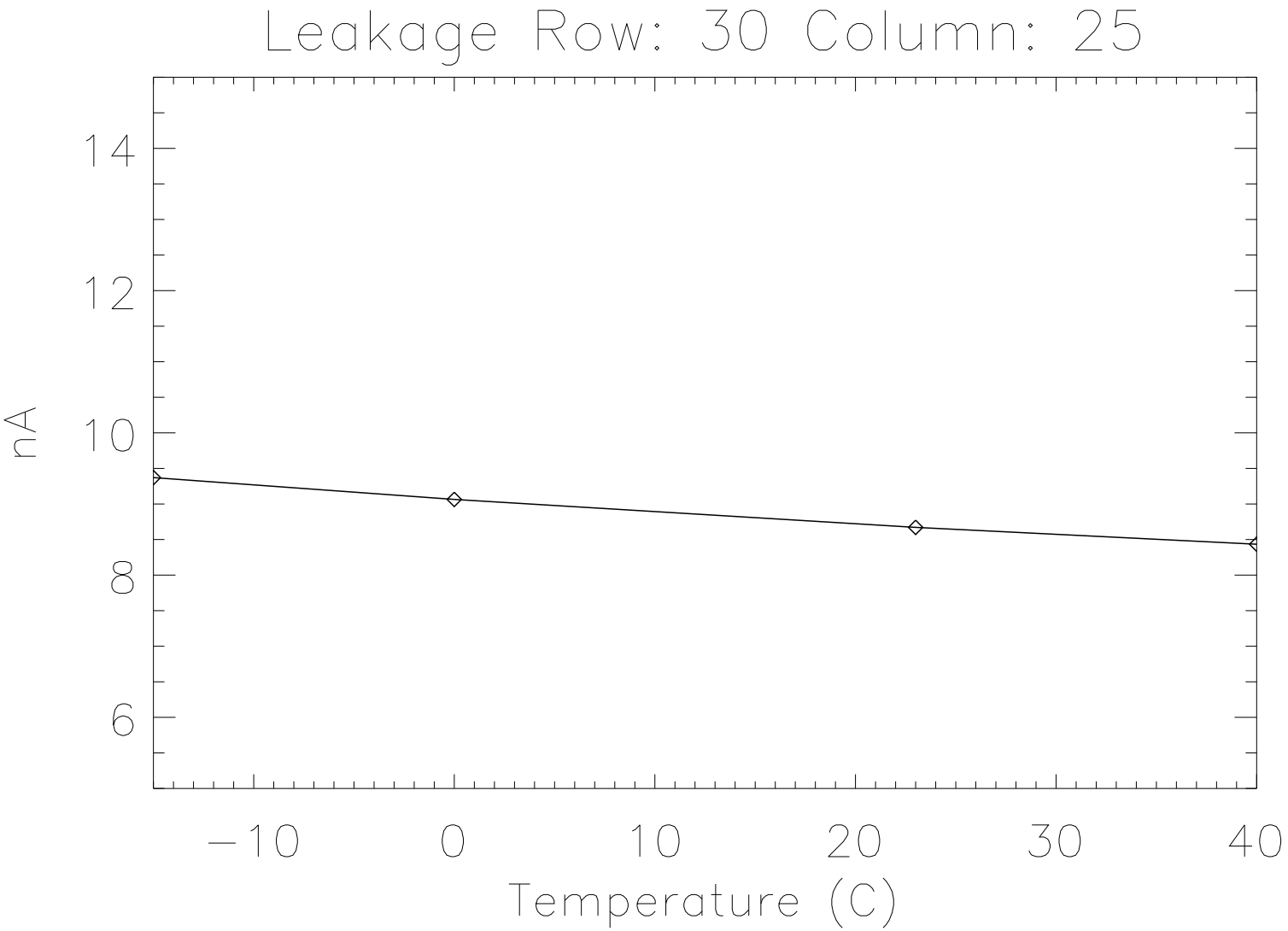
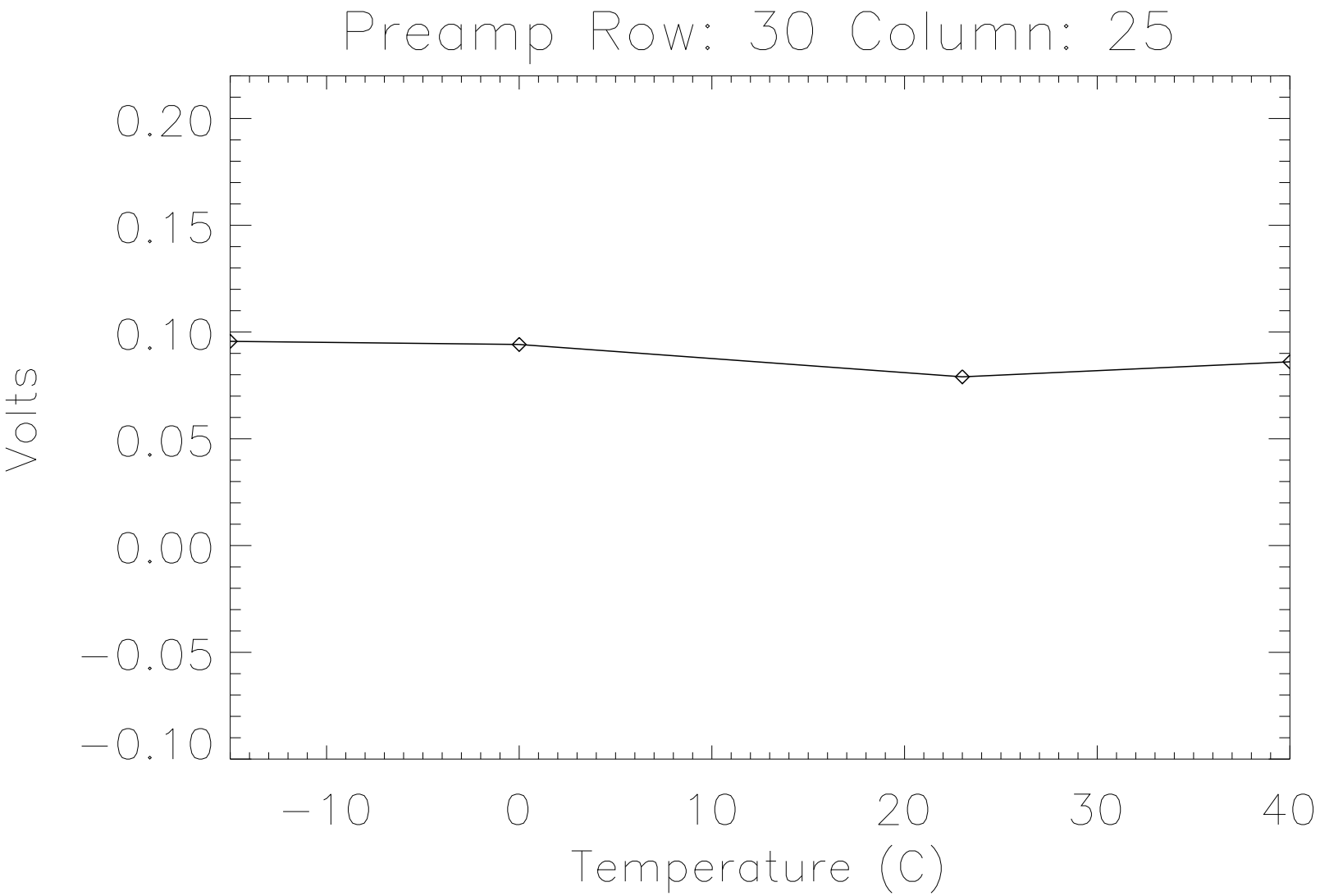
20
30
40
Temperature (C)


Leakage Row: 30 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 25
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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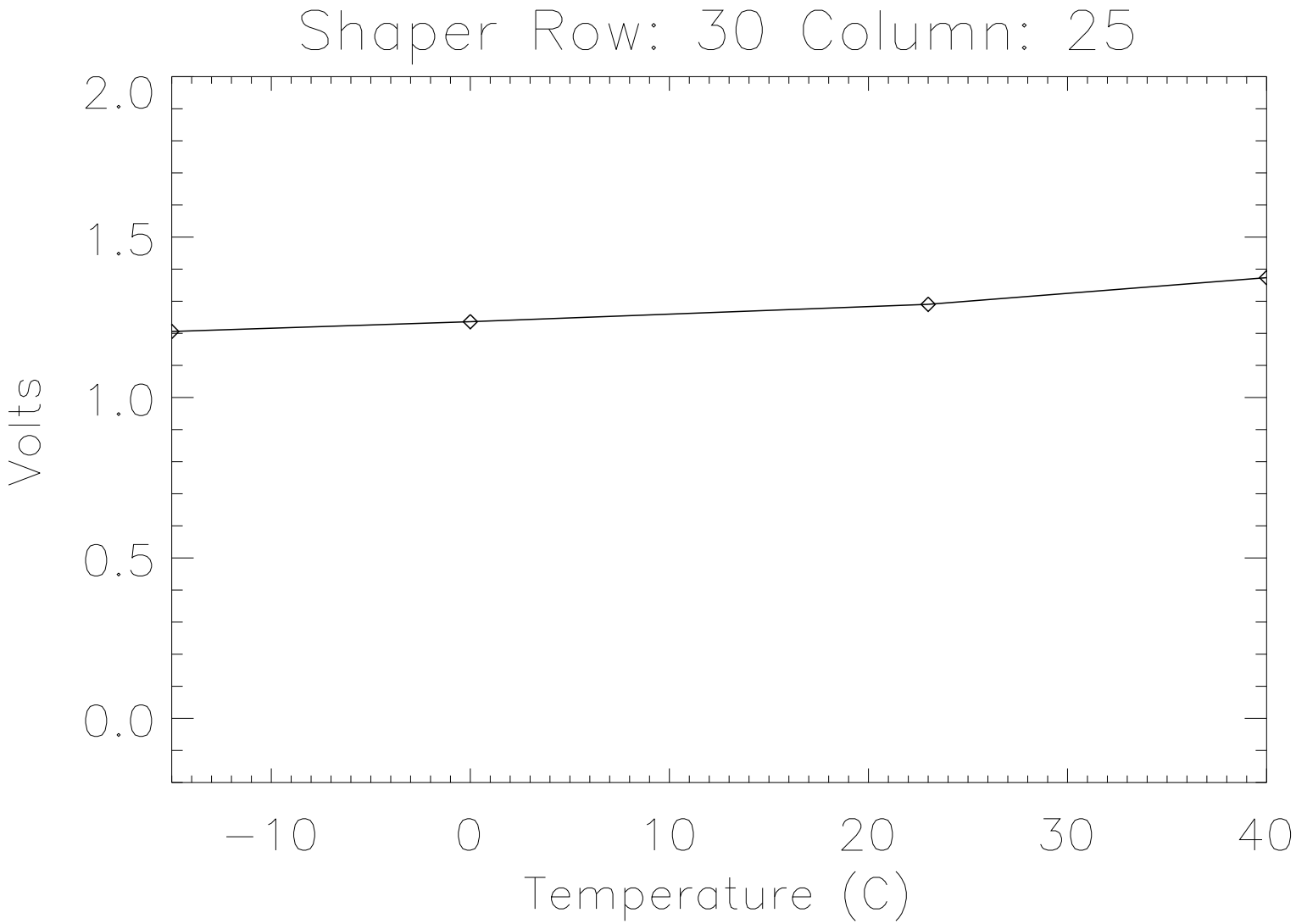
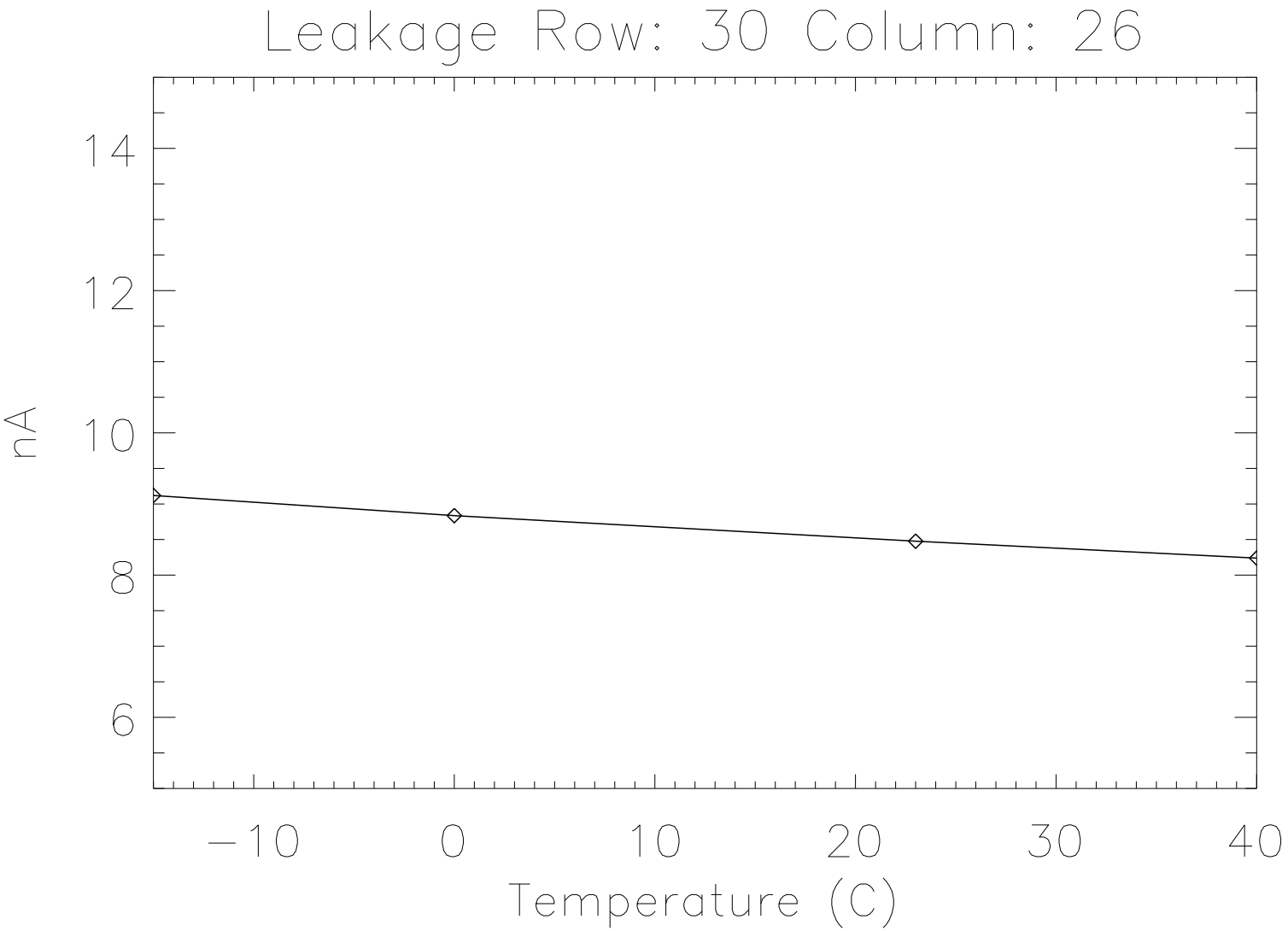
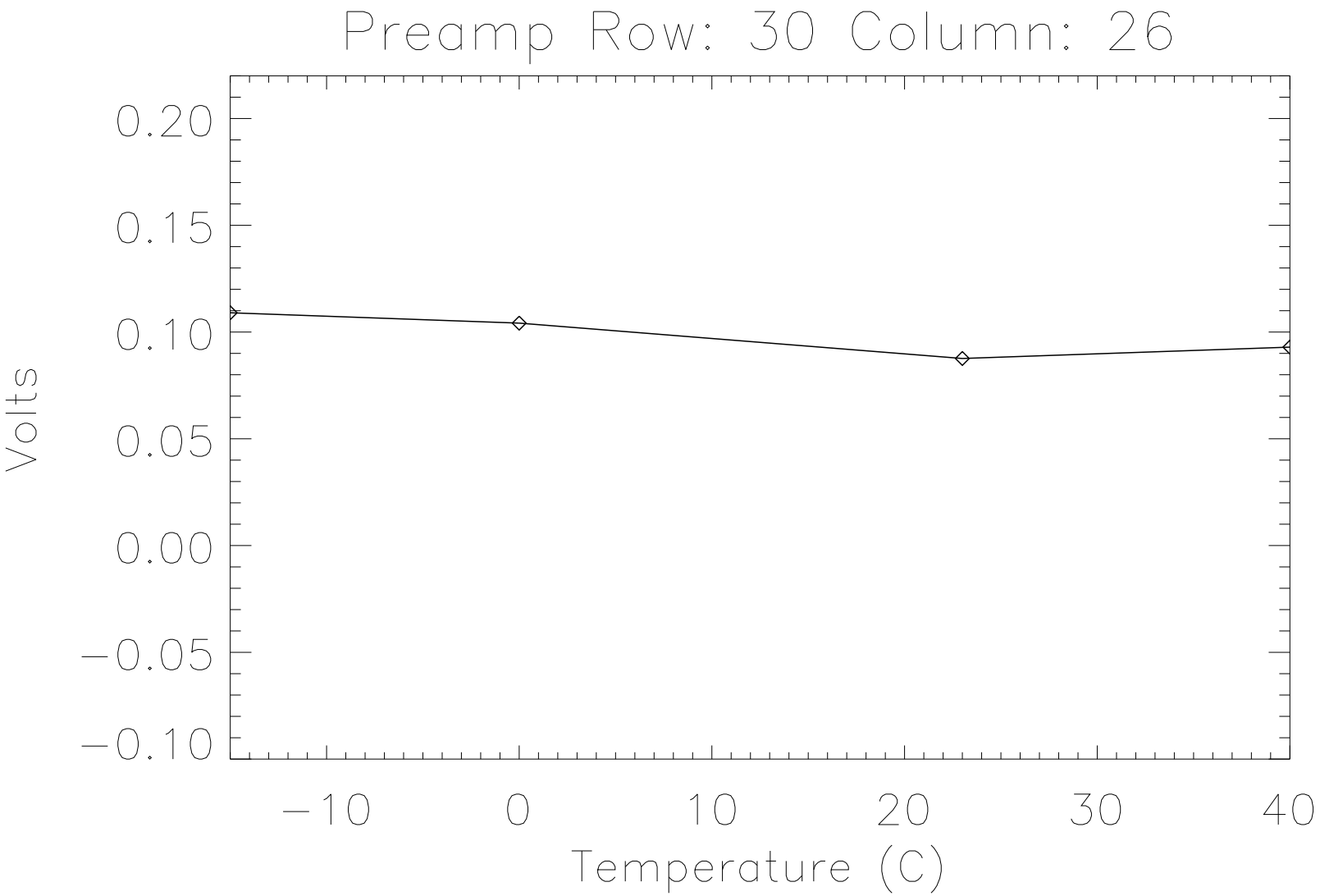
20
30
40
Temperature (C)


Shaper Row: 30 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 26
0.20
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0.10
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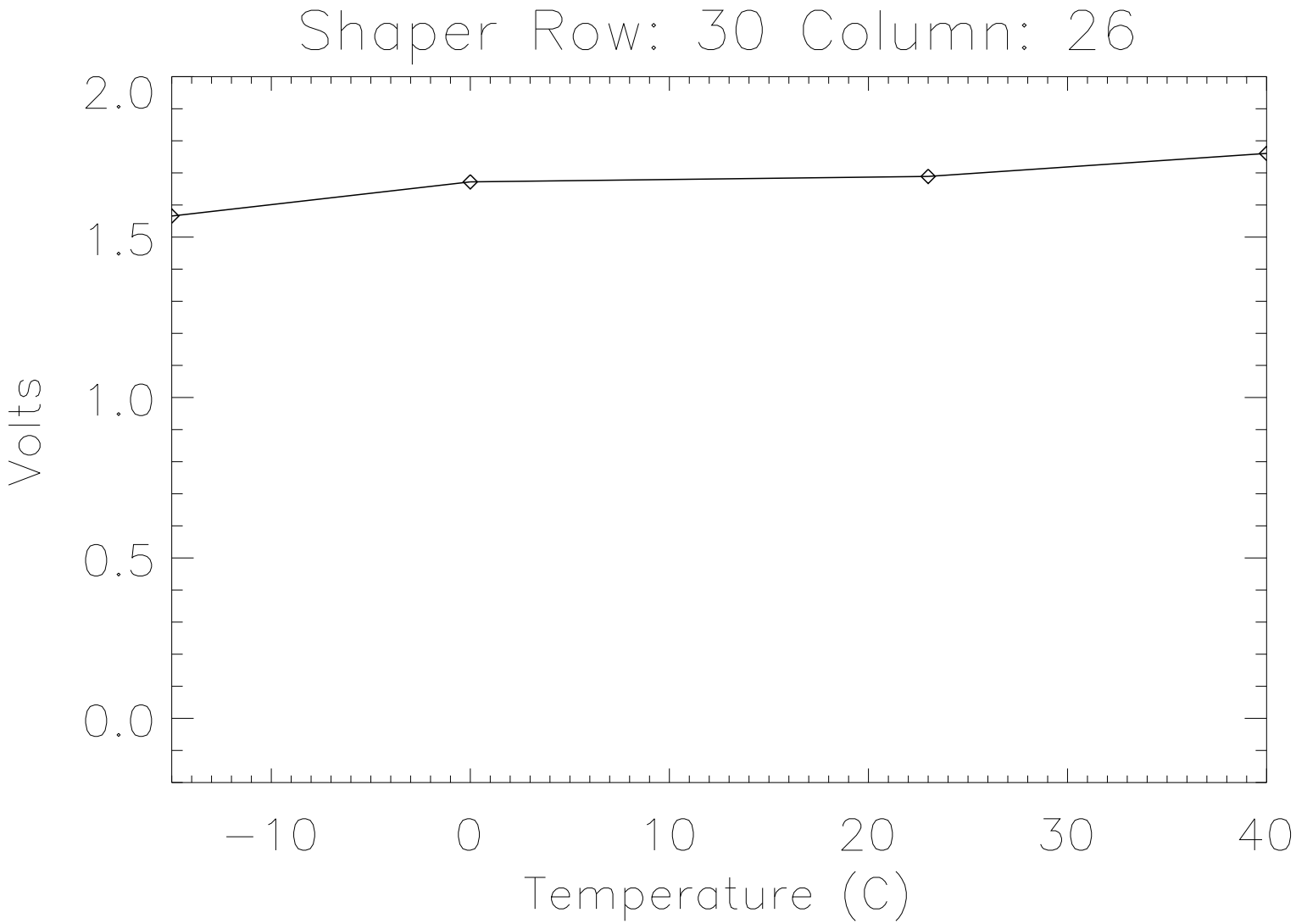
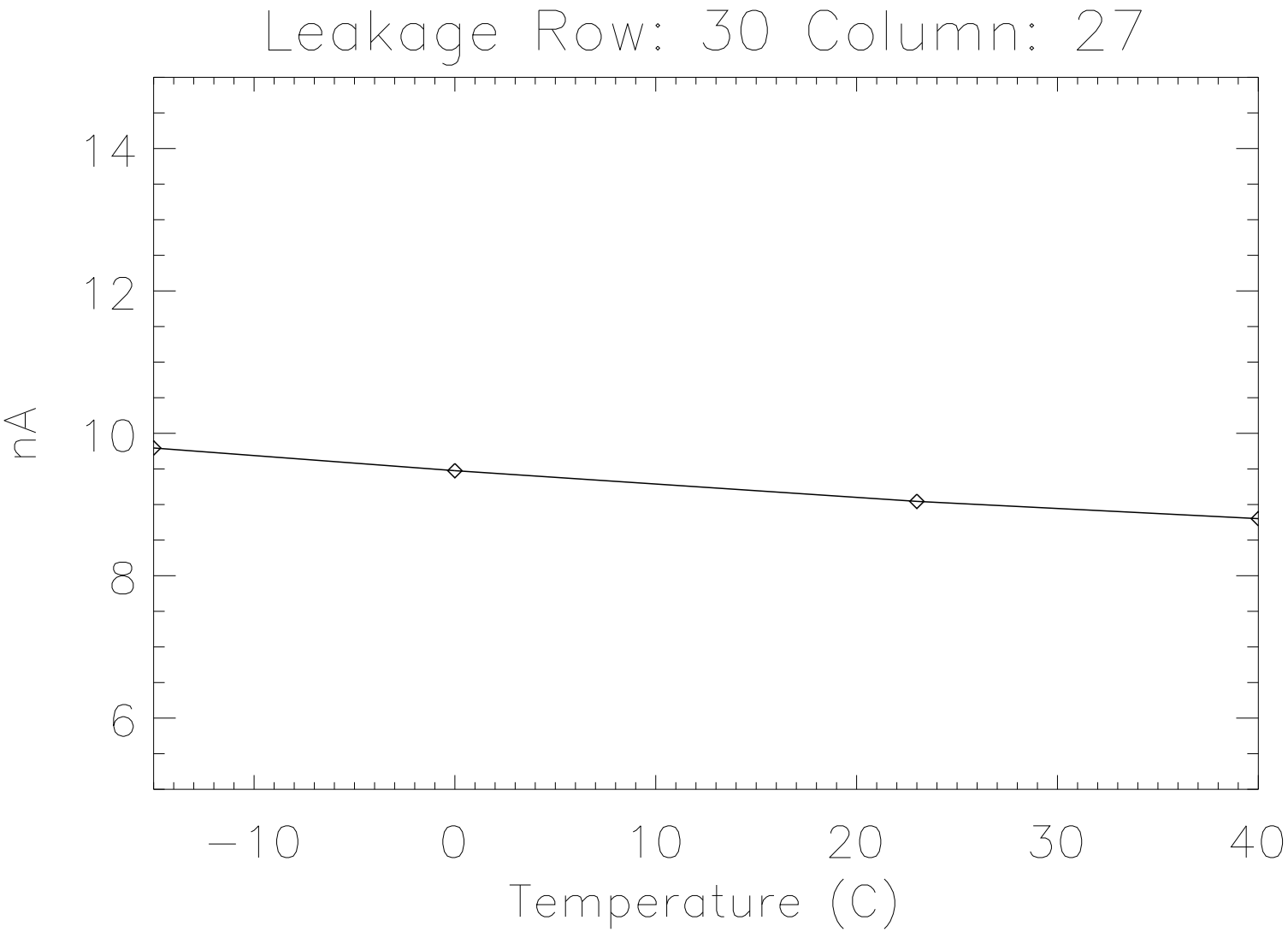
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 30 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 27
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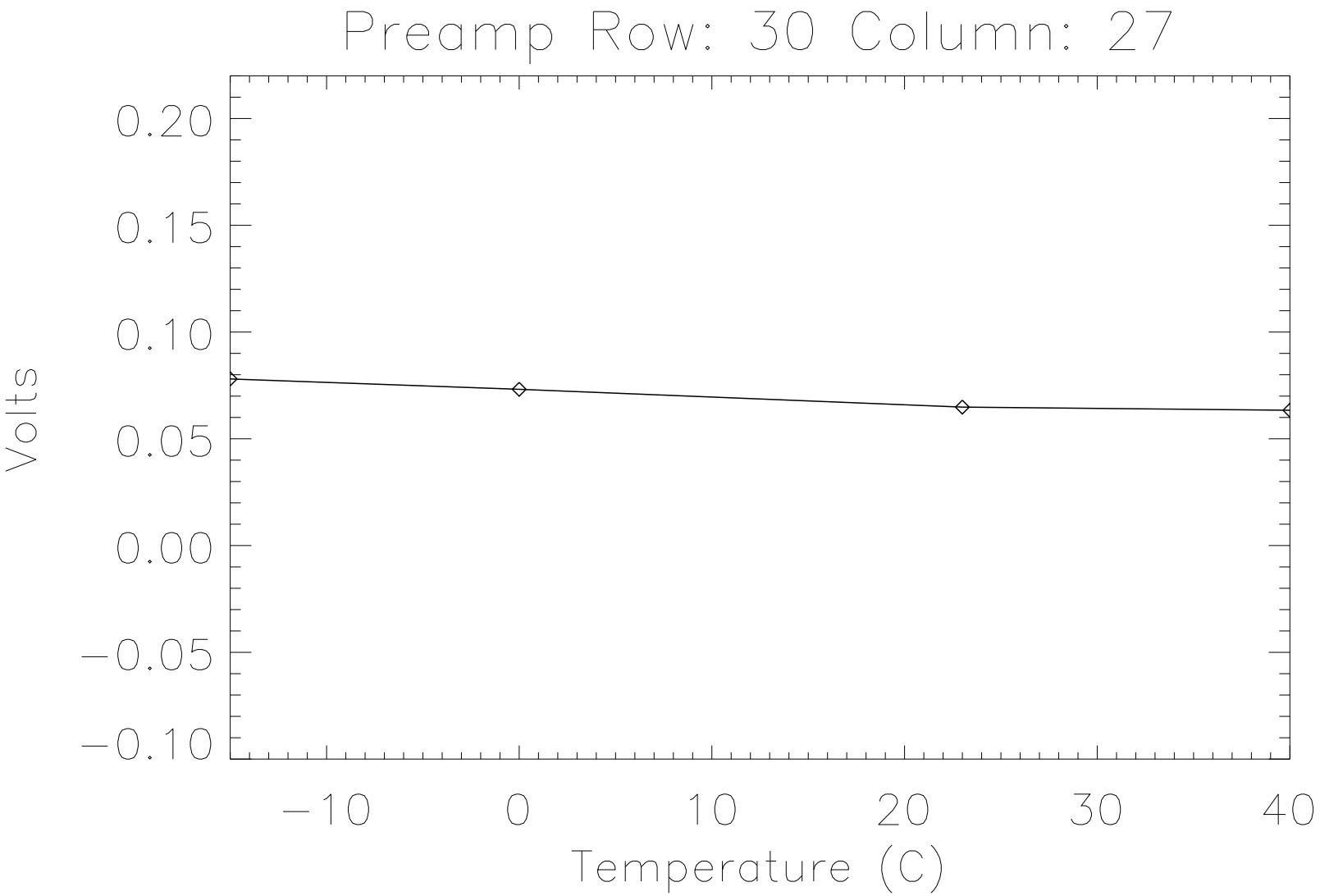
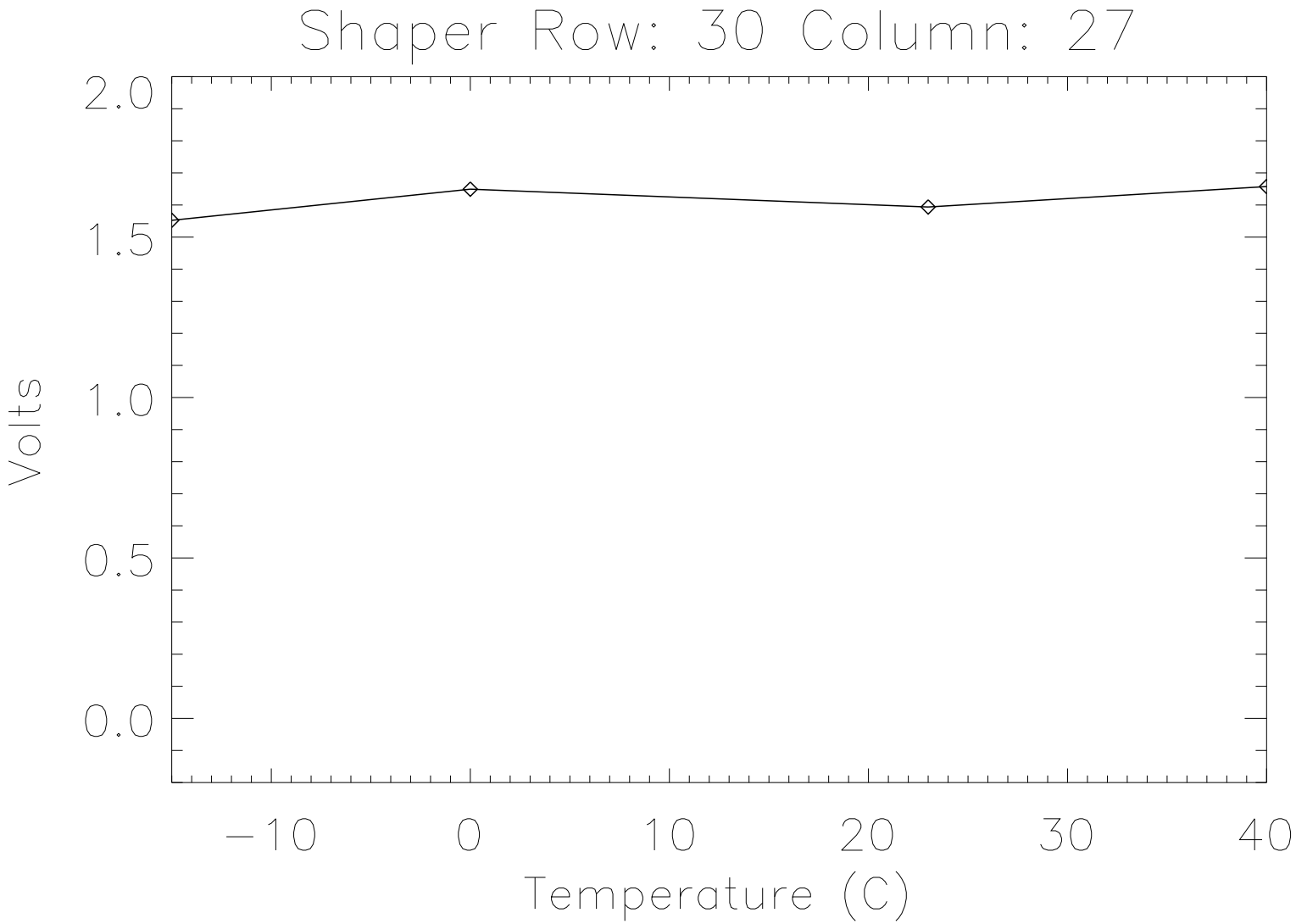
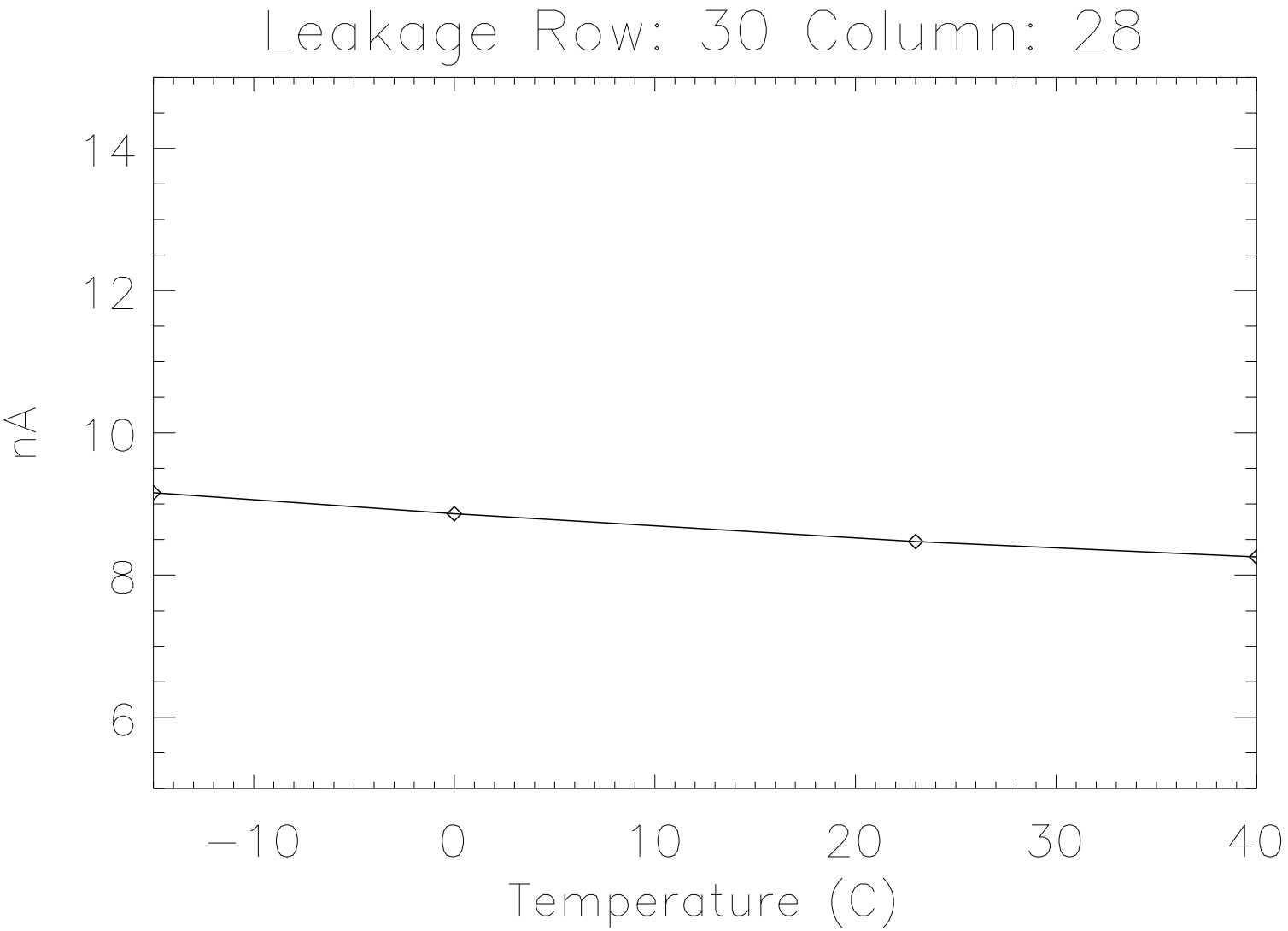
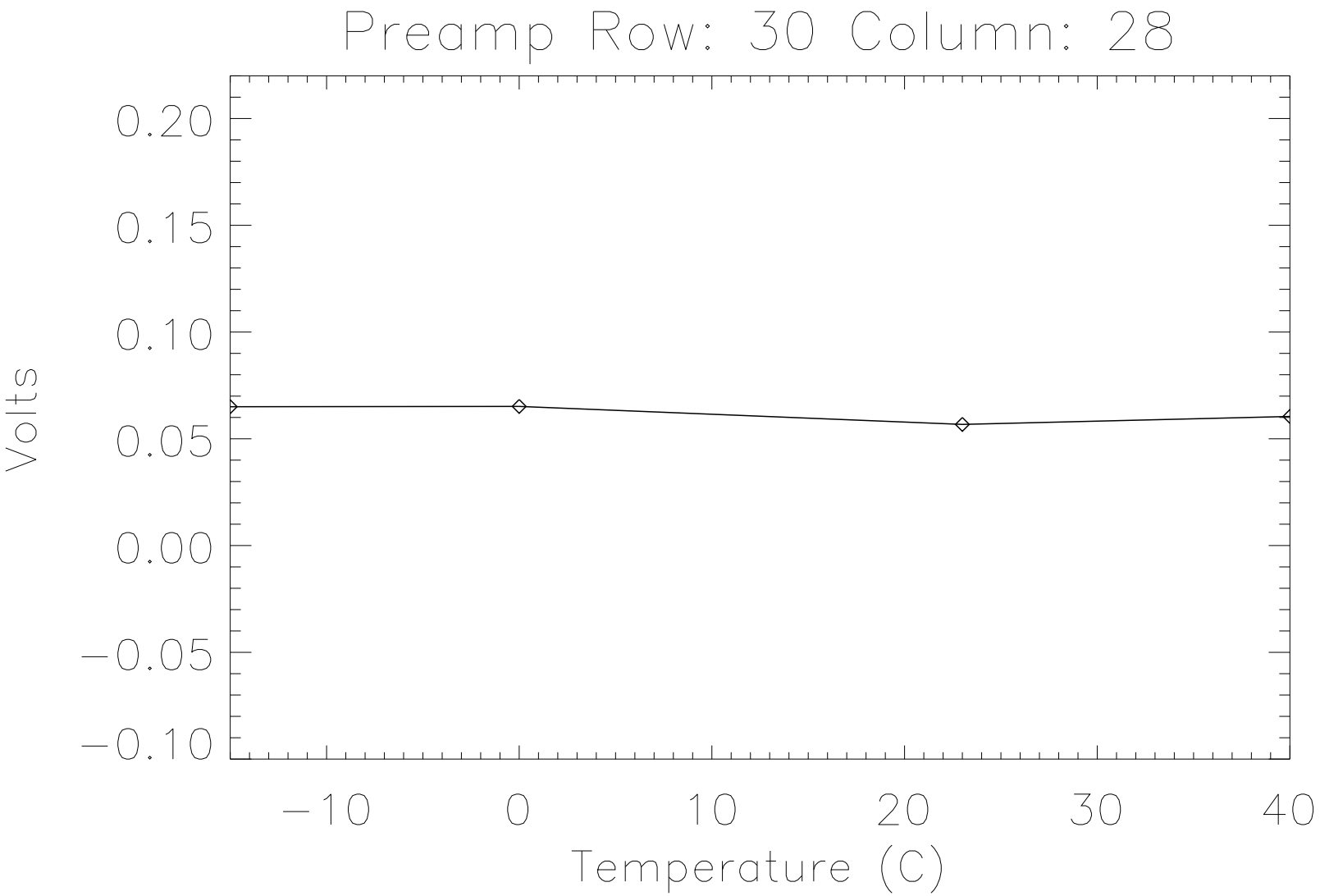
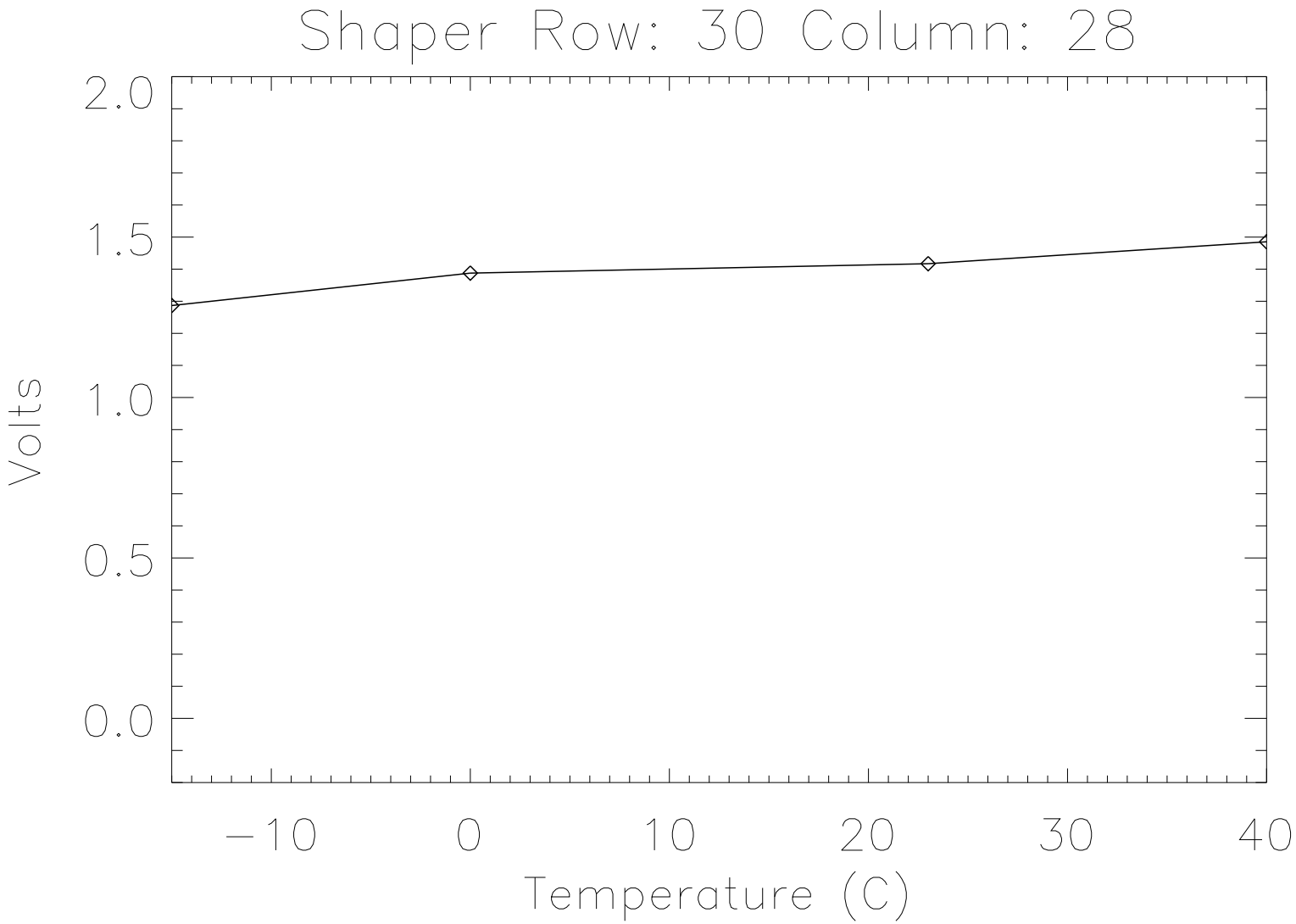
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)

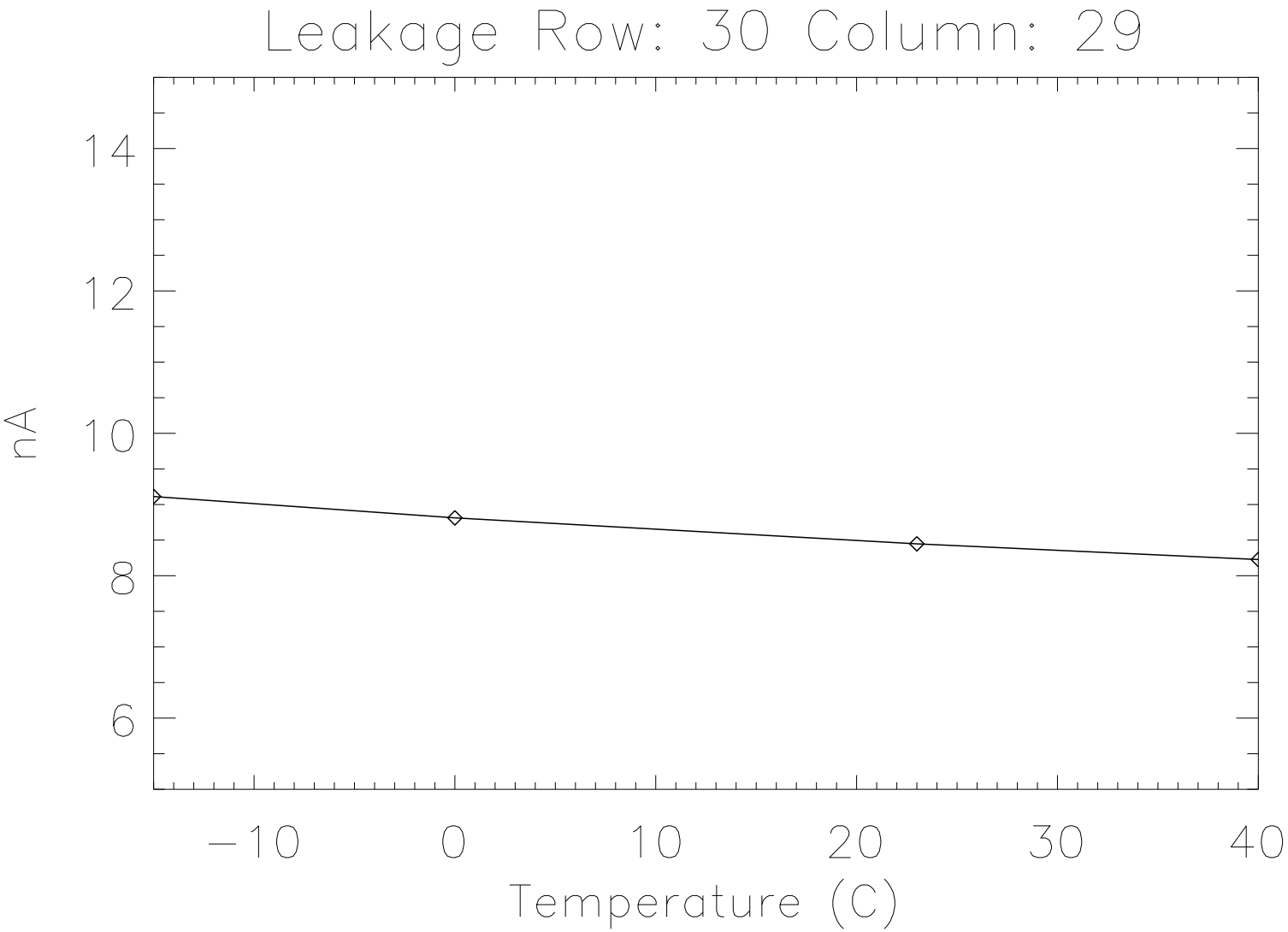

Preamp Row: 30 Column: 27
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
−10
0
10
20
30
40
Temperature (C)

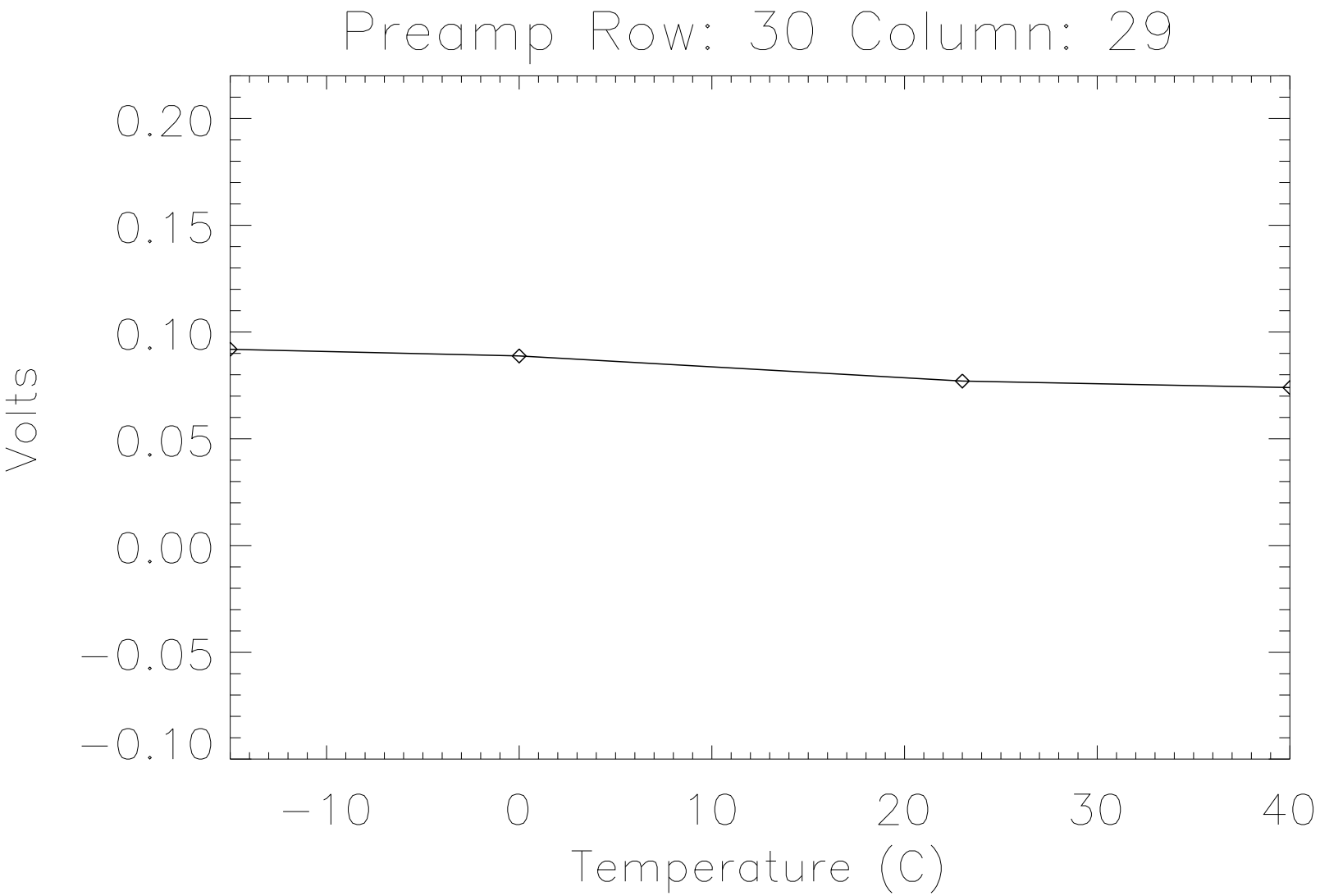

Shaper Row: 30 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 30 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 29
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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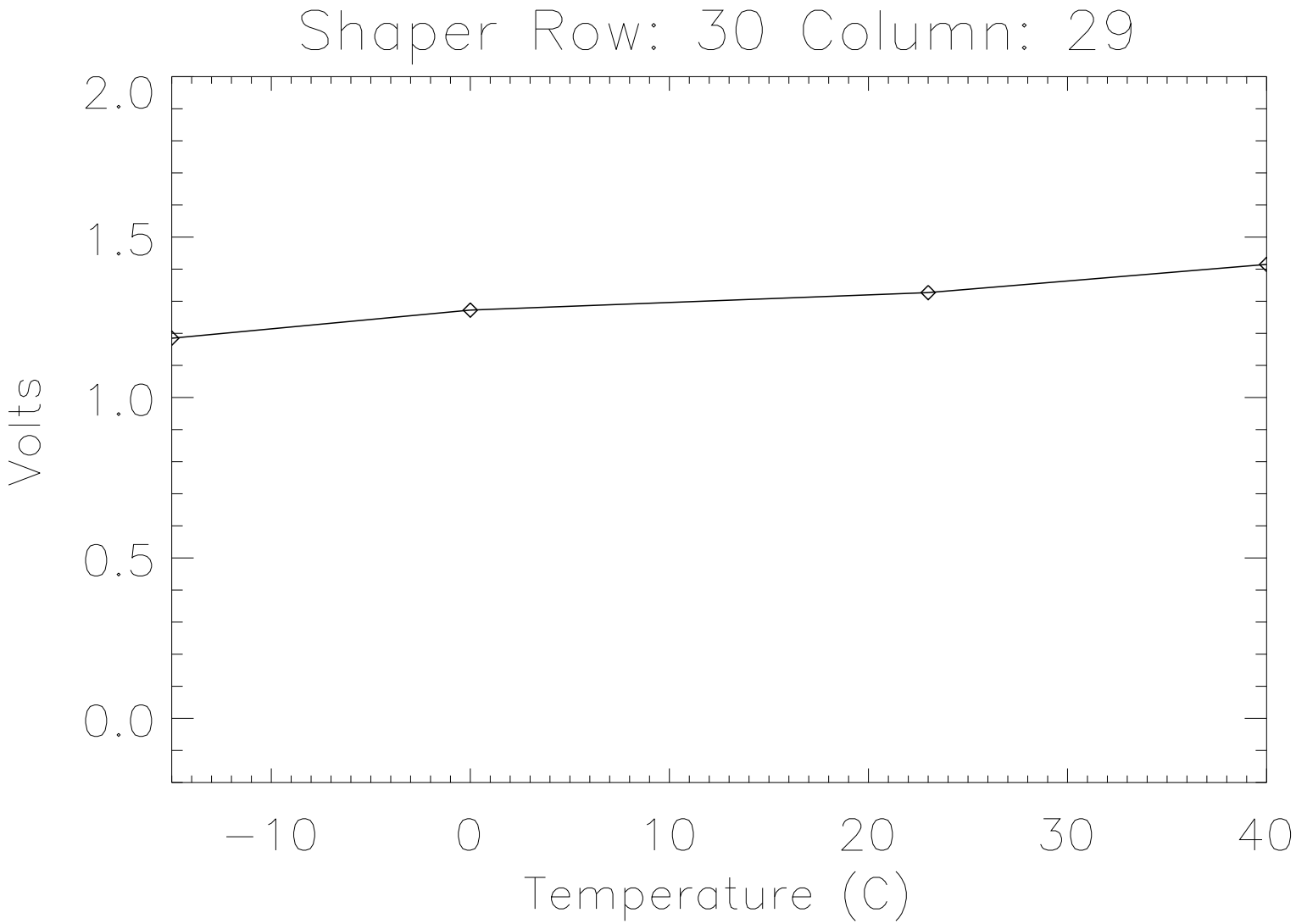
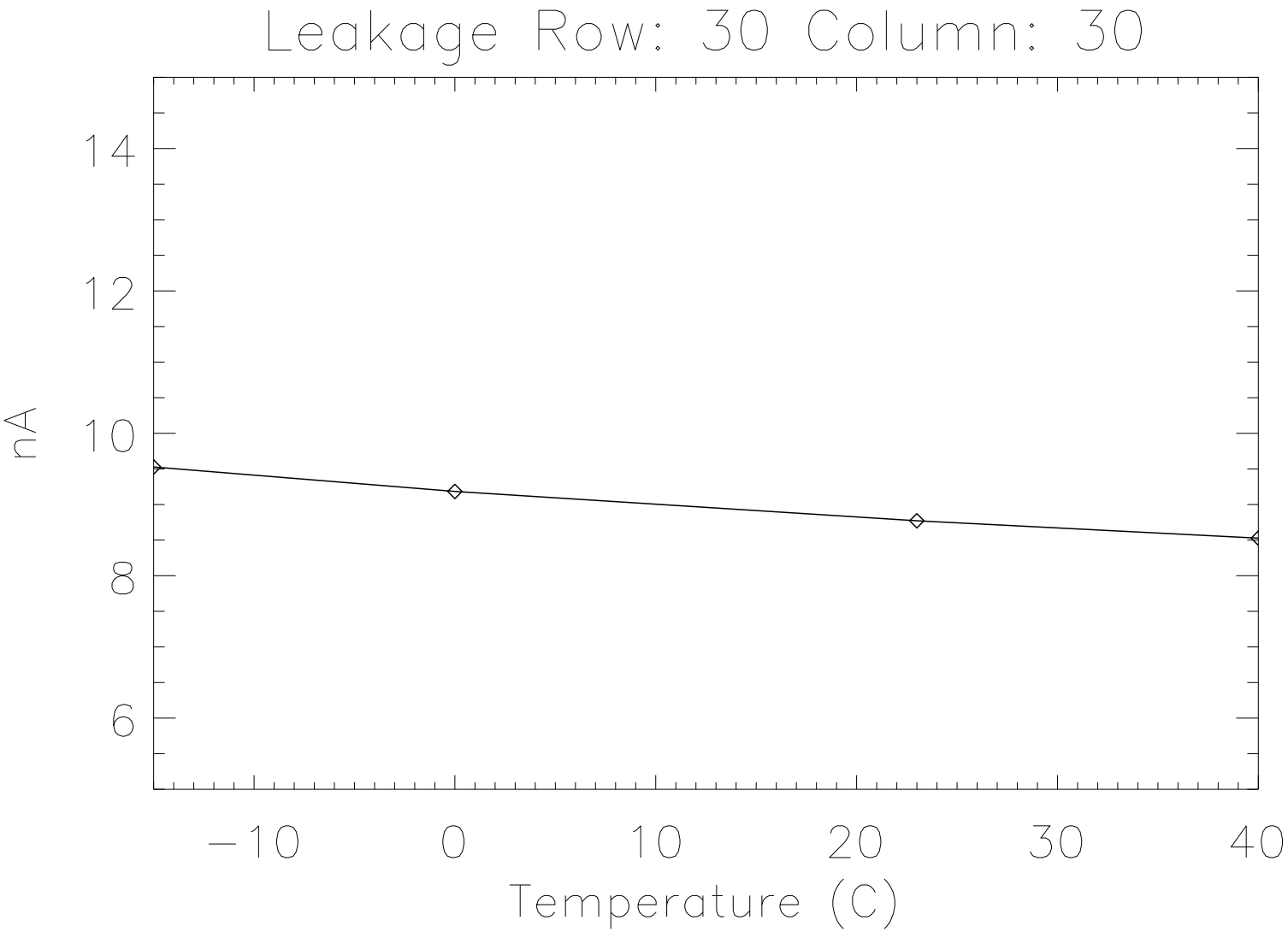
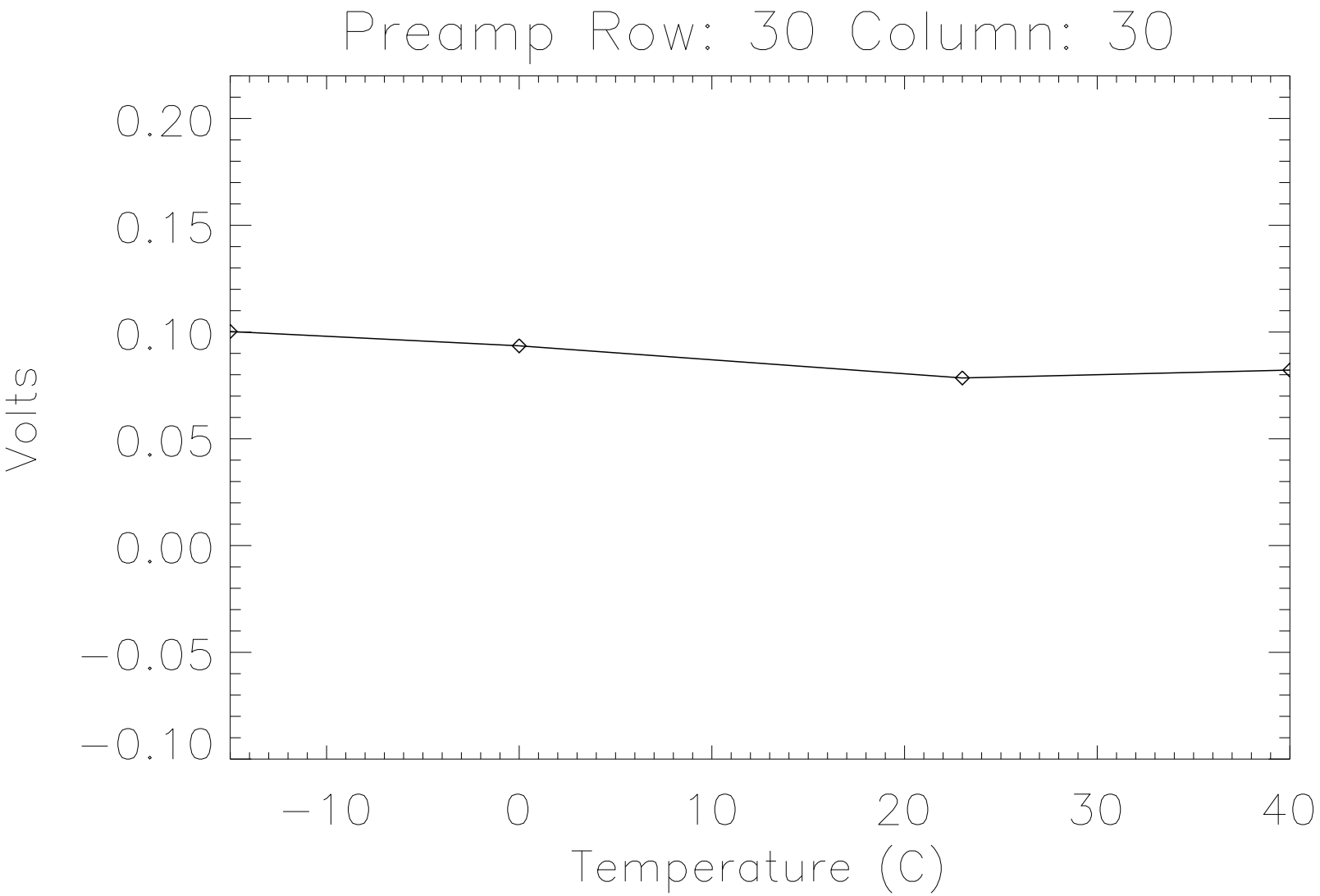
20
30
40
Temperature (C)


Shaper Row: 30 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 30
14
12
10
8
6
nA
−10
0
10
20
30
40
Temperature (C)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0.20
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0.10
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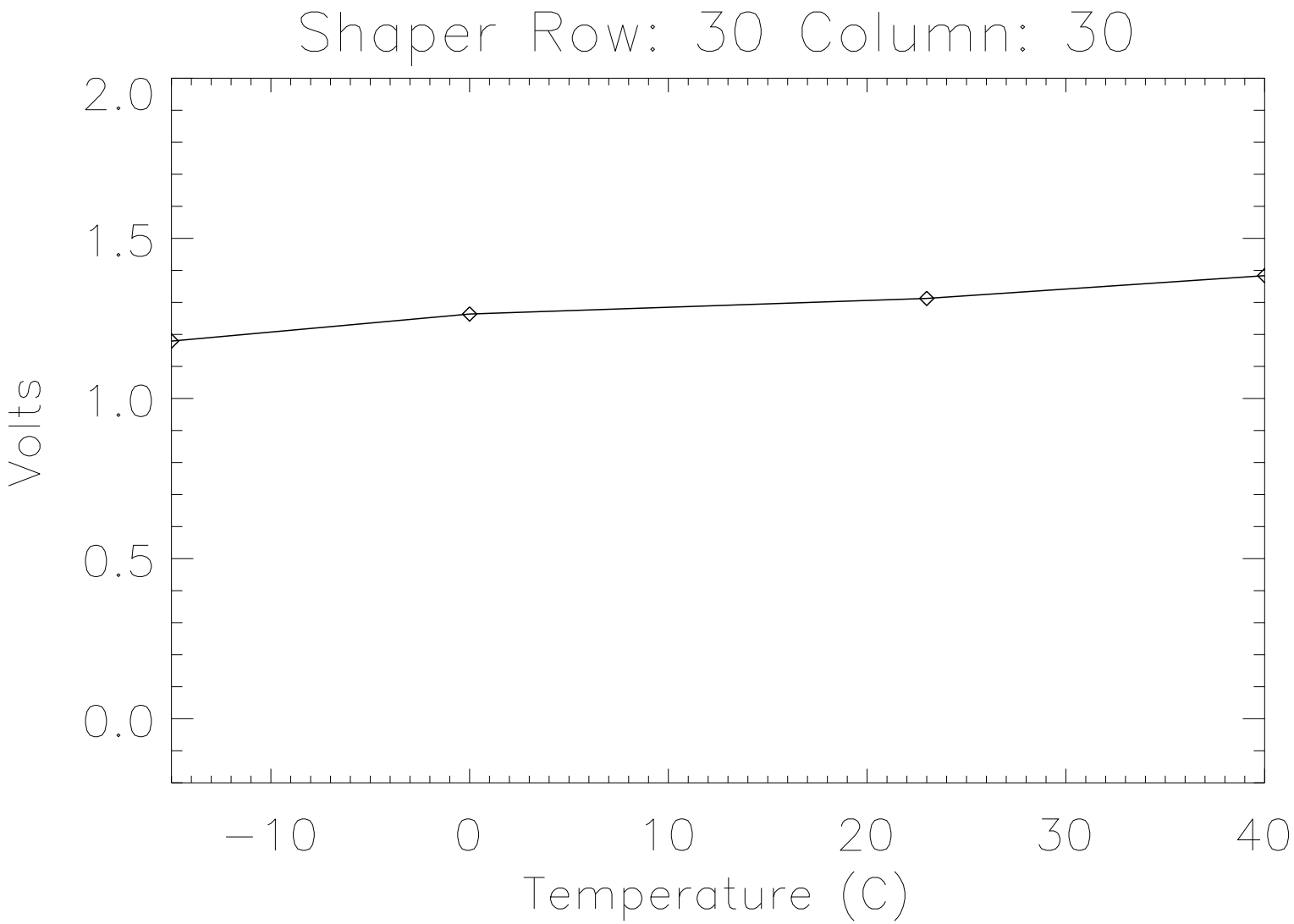
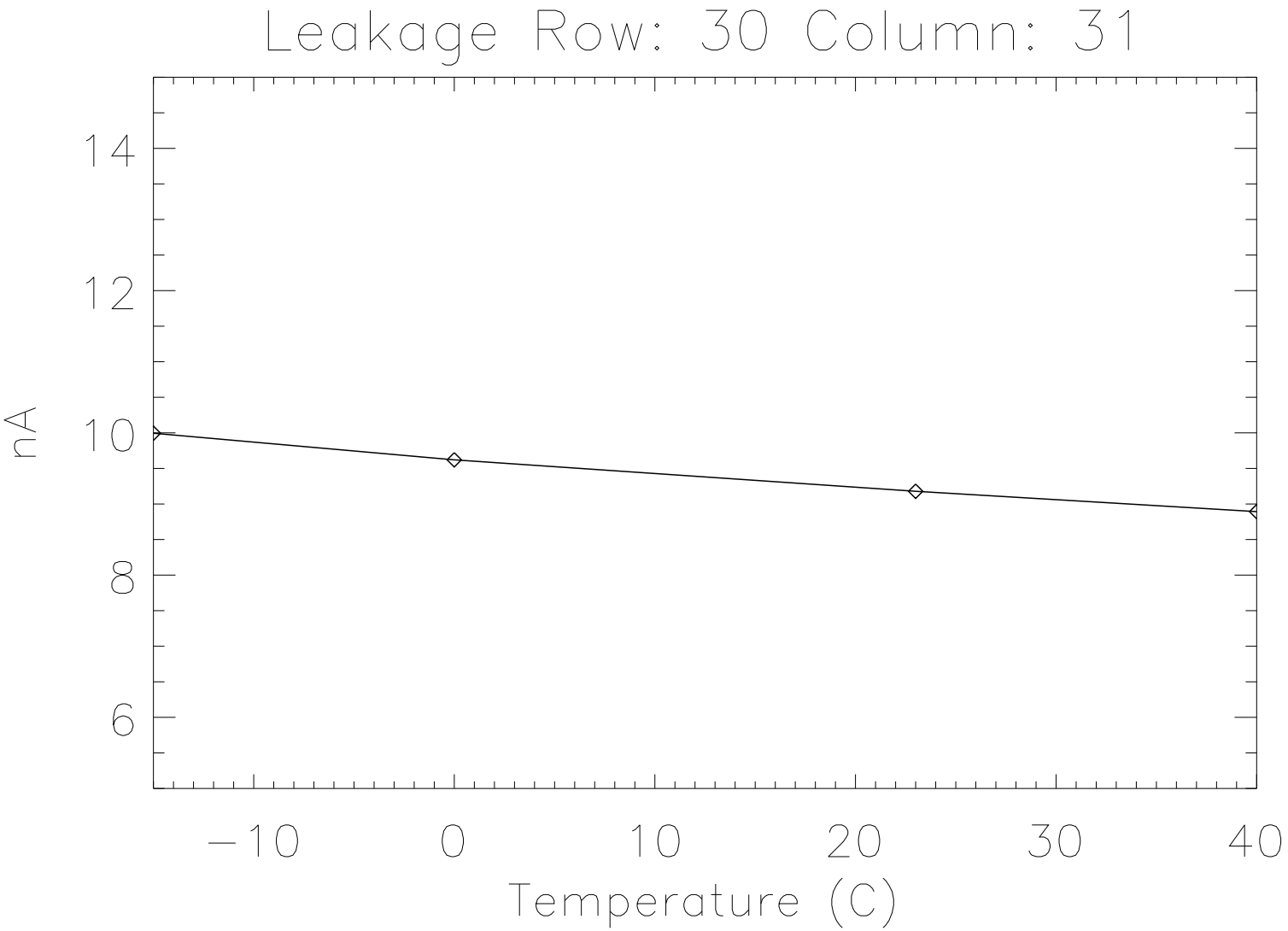
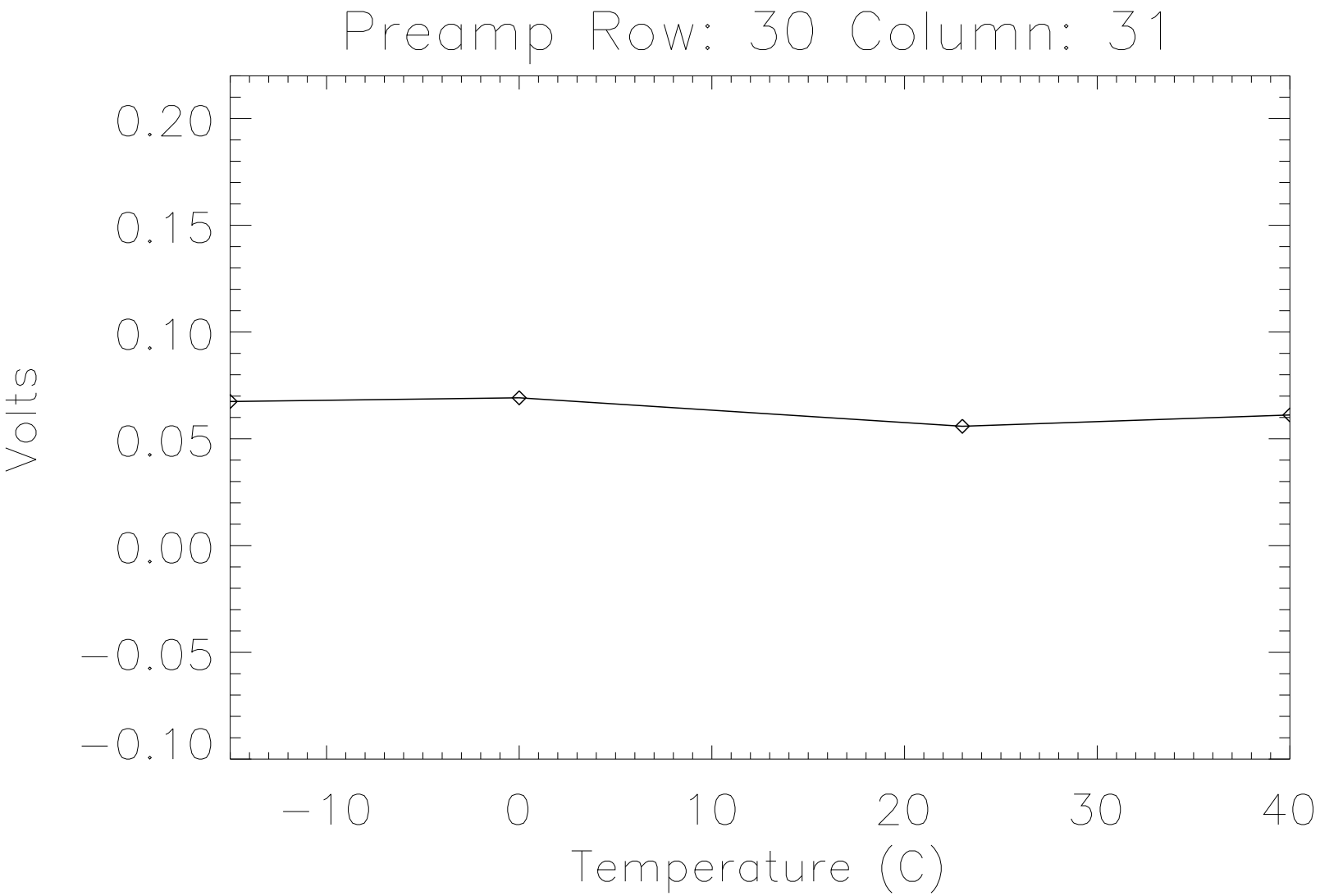
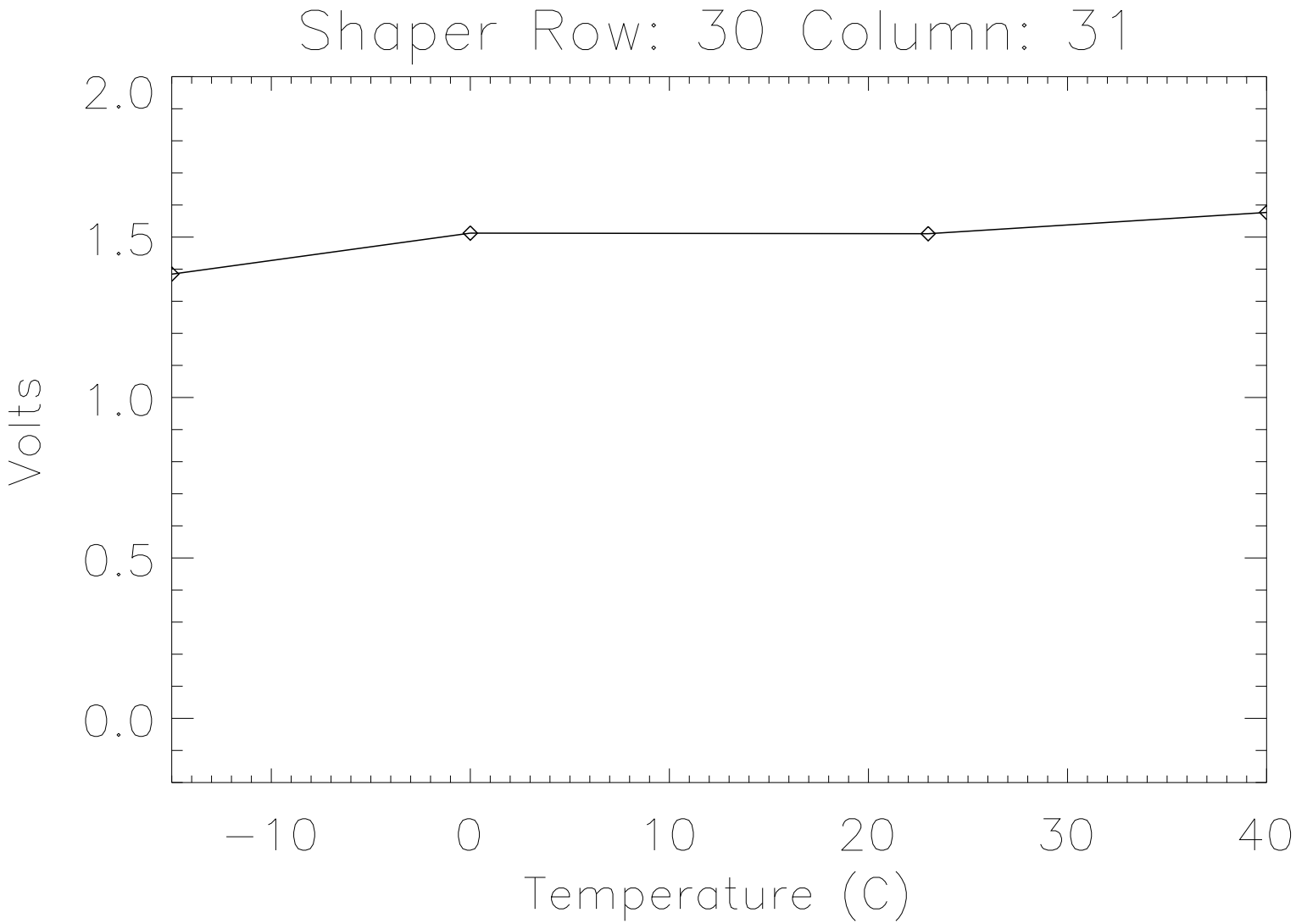
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 30 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 30 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 30 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 30 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
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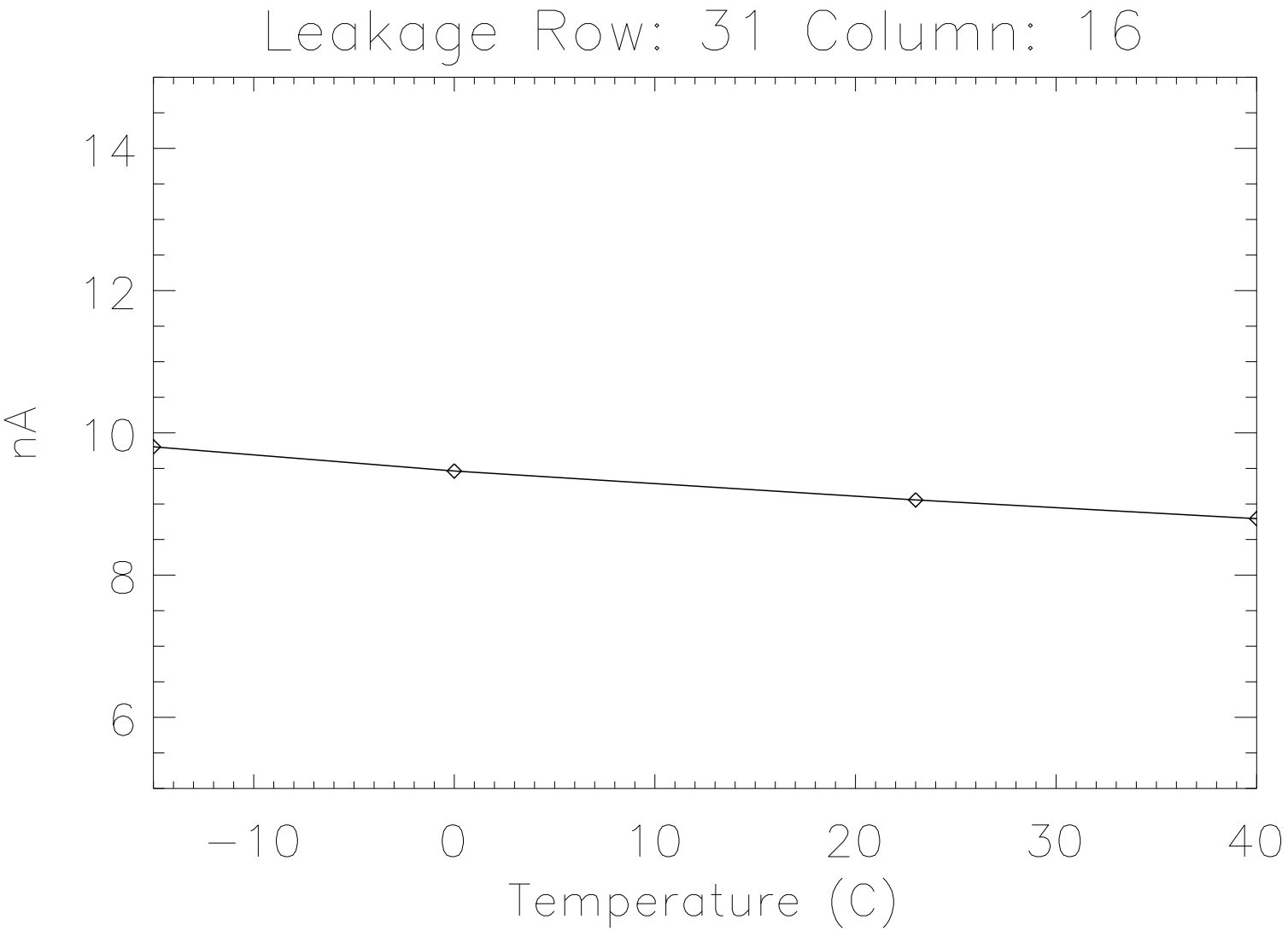
20
30
40
Temperature (C)


Leakage Row: 31 Column: 16
nA
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8
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−10
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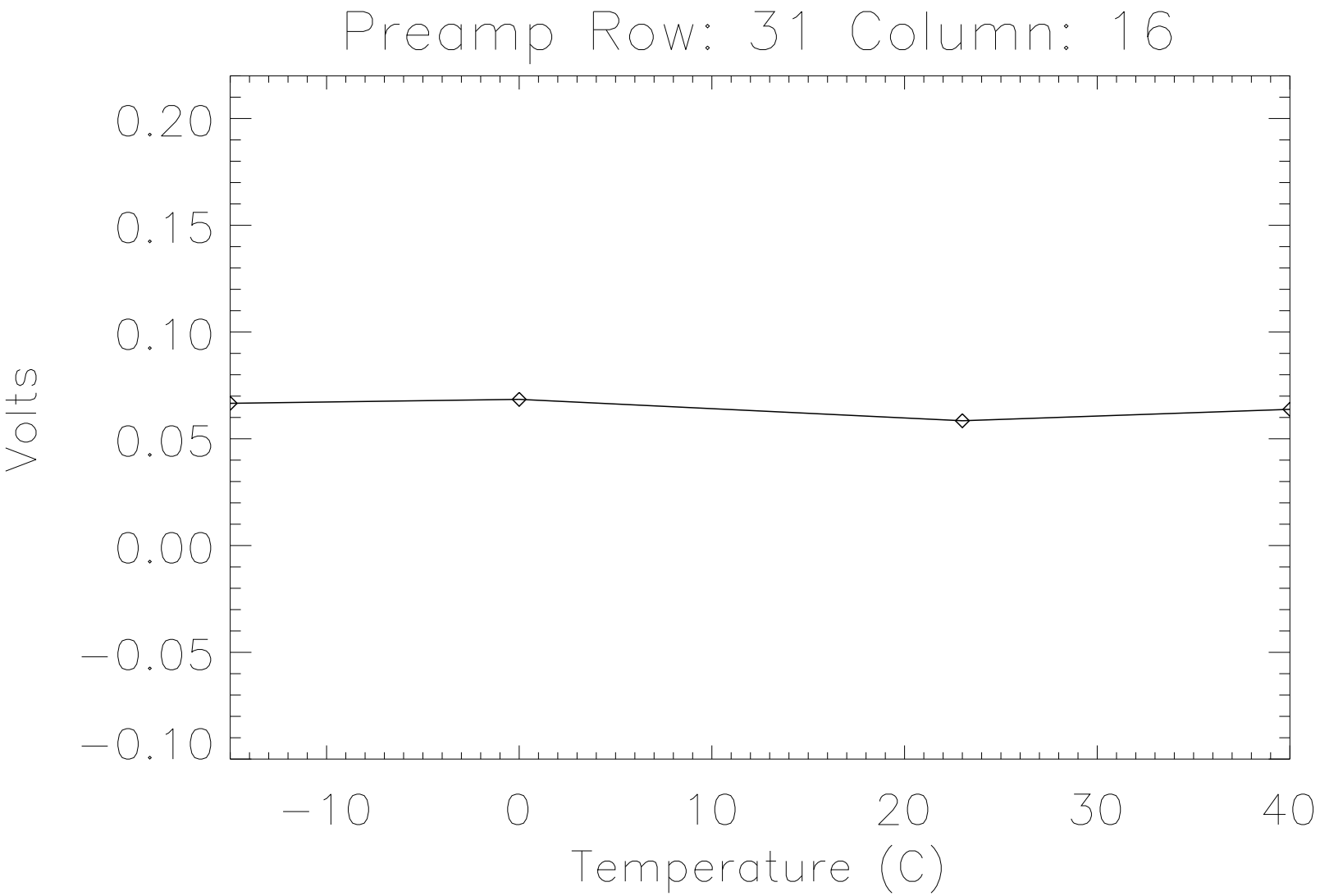
10
20
30
40
Temperature (C)


Preamp Row: 31 Column: 16
0.20
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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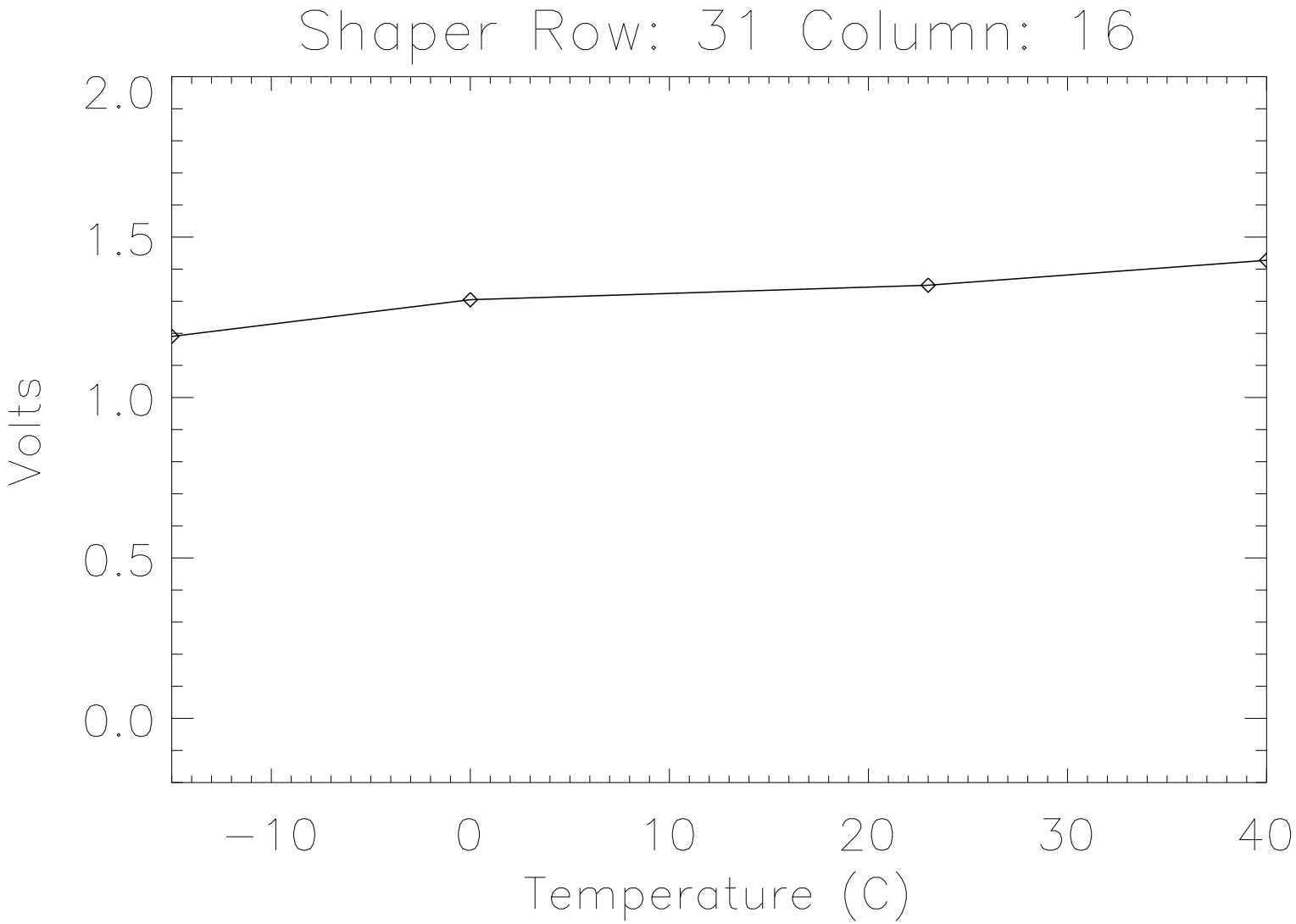
20
30
40
Temperature (C)


Shaper Row: 31 Column: 16
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1.0
0.5
0.0
Volts
−10
0
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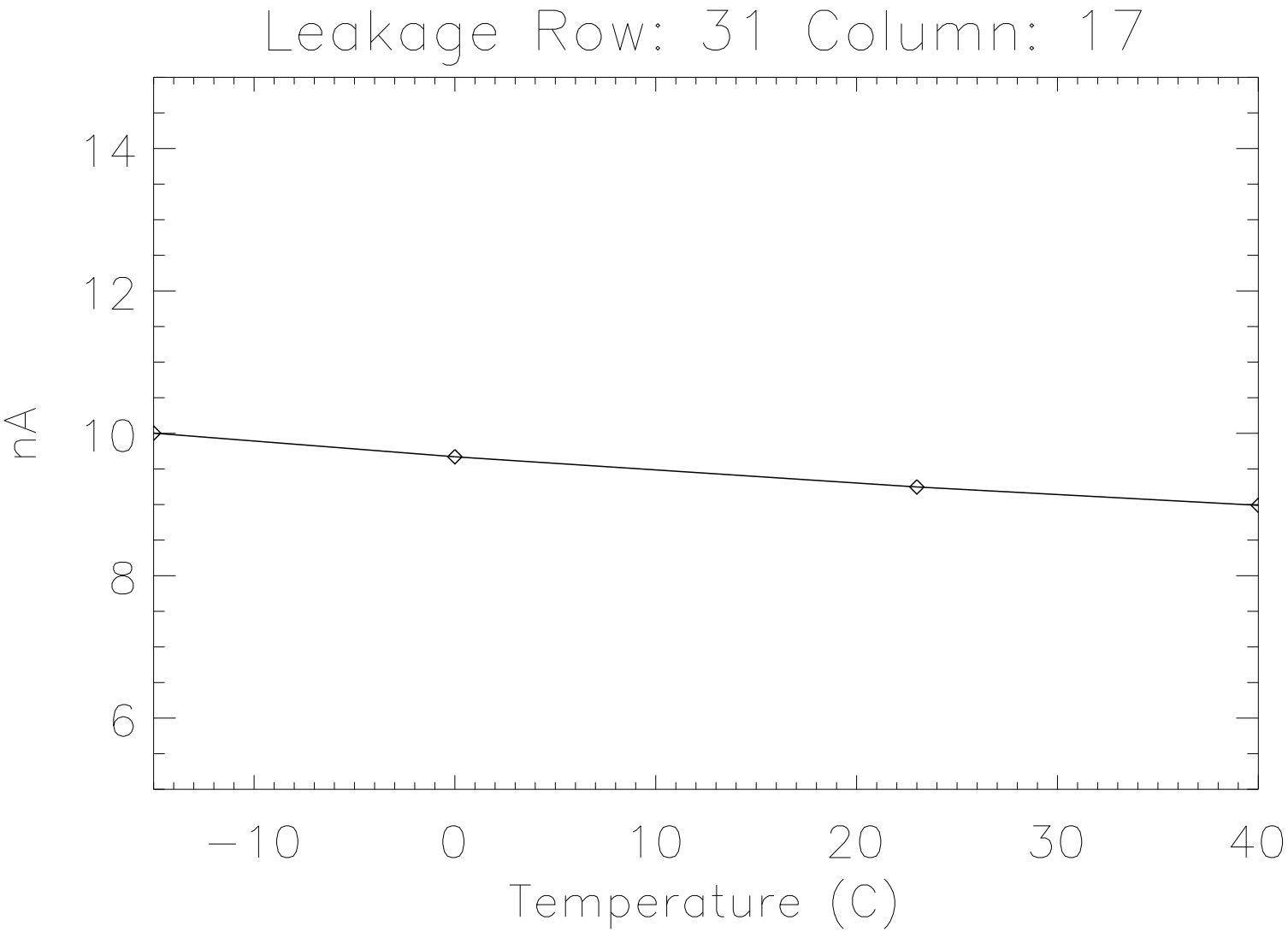
Temperature (C)


Leakage Row: 31 Column: 17
nA
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12
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8
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−10
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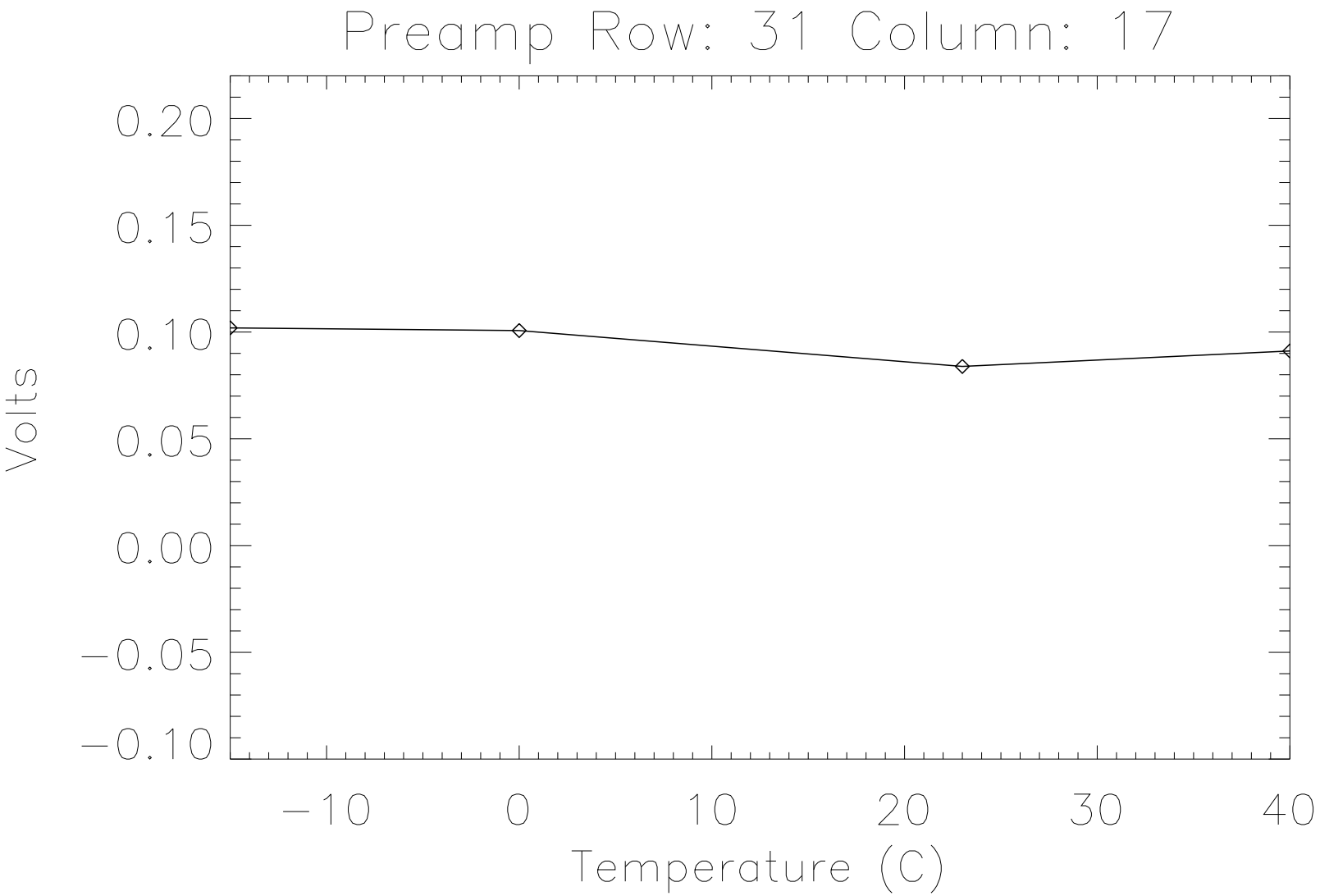
Temperature (C)


Preamp Row: 31 Column: 17
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0.10
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0.00
−0.05
−0.10
Volts
−10
0
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20
30
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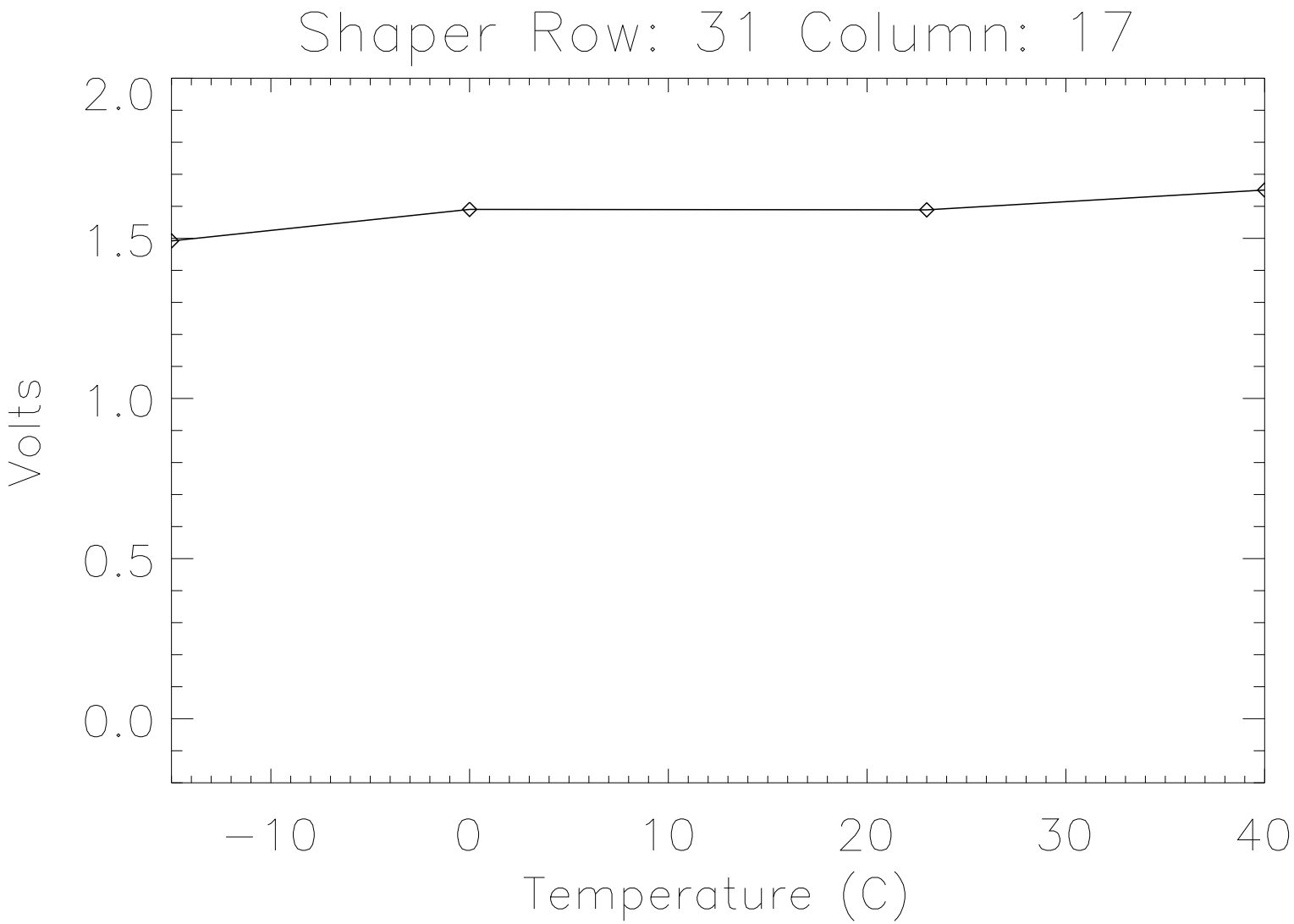
Temperature (C)


Shaper Row: 31 Column: 17
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1.0
0.5
0.0
Volts
−10
0
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20
30
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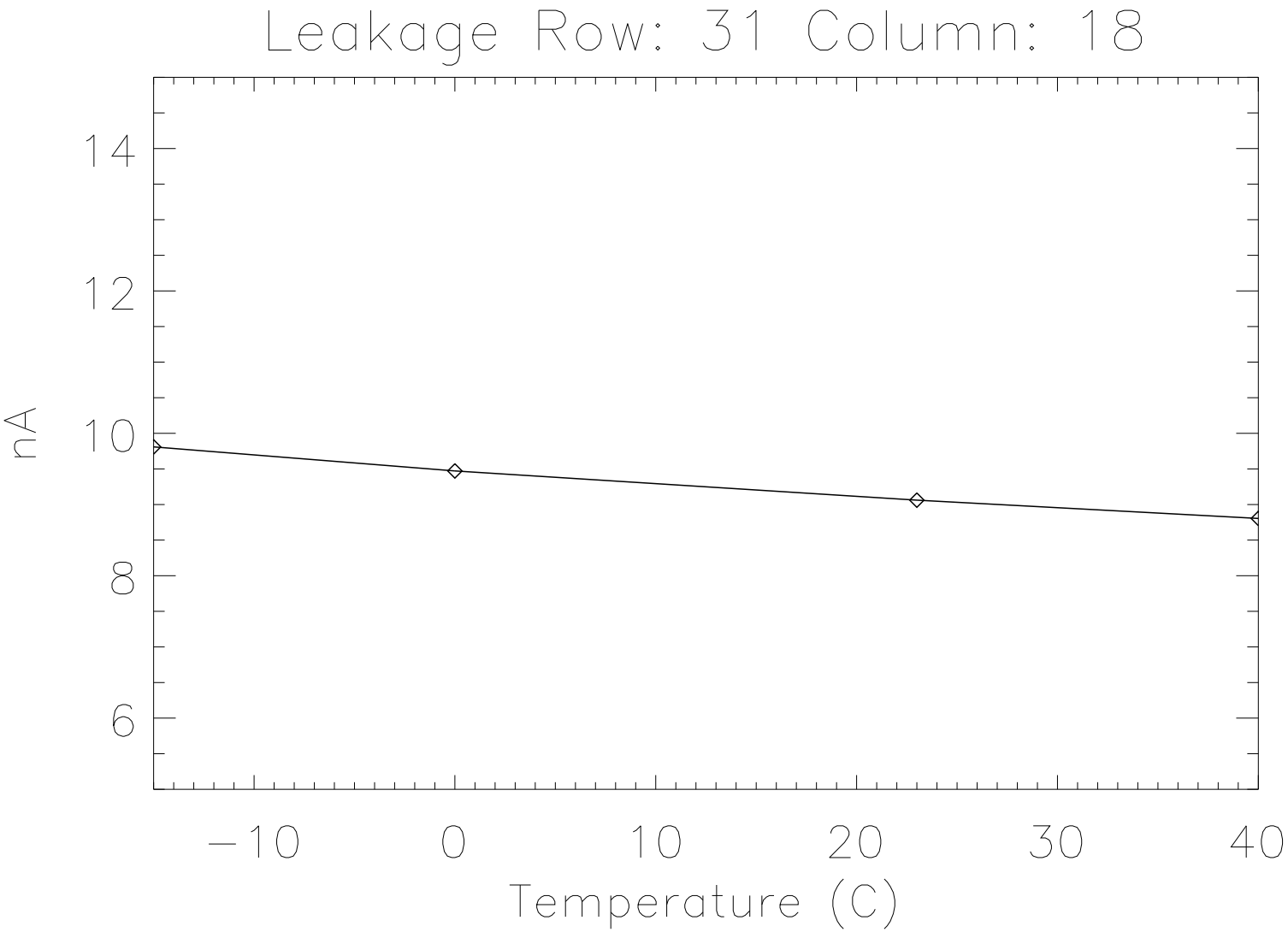
Temperature (C)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−10
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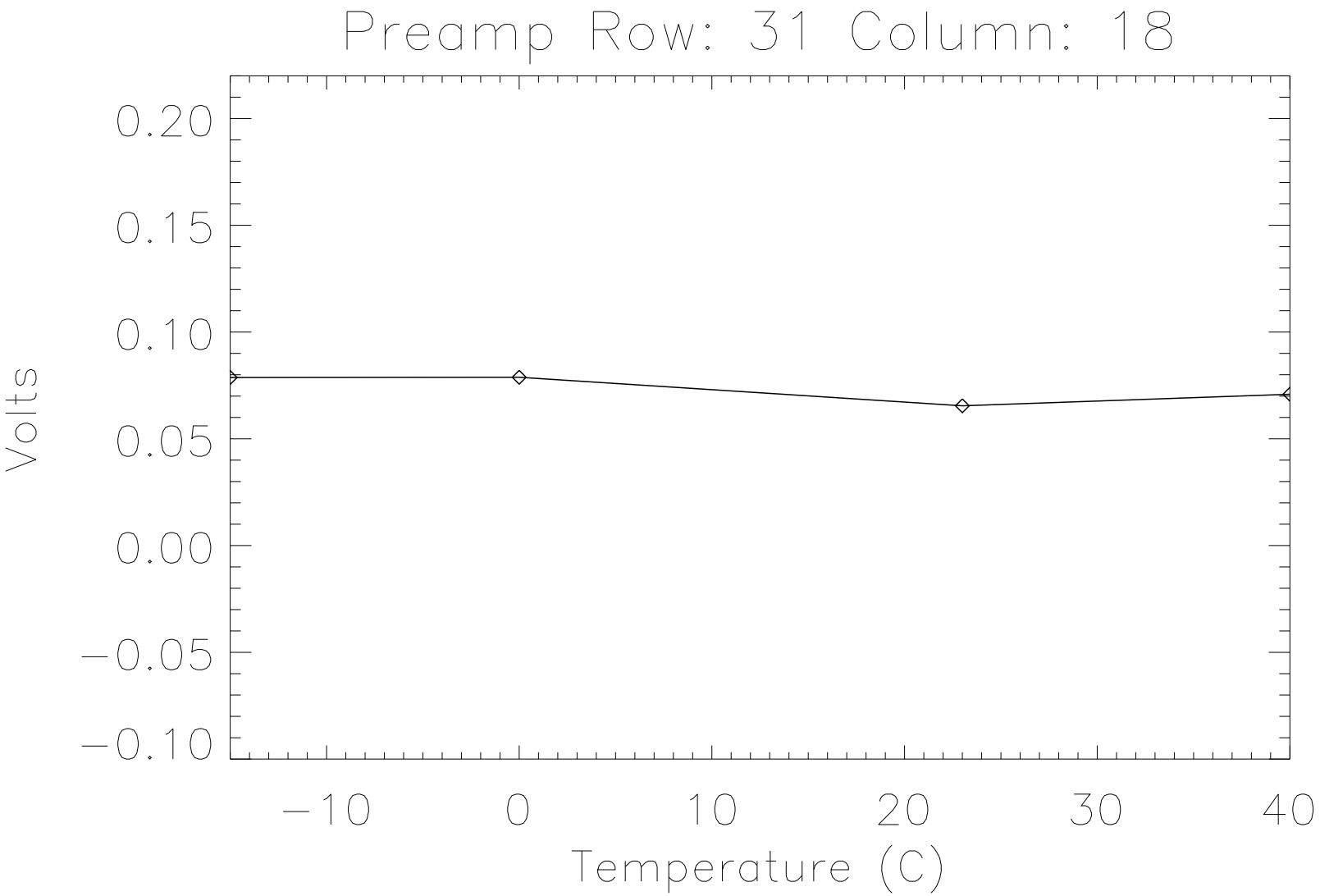
30
40
Temperature (C)


Preamp Row: 31 Column: 18
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0.10
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0.00
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−0.10
Volts
−10
0
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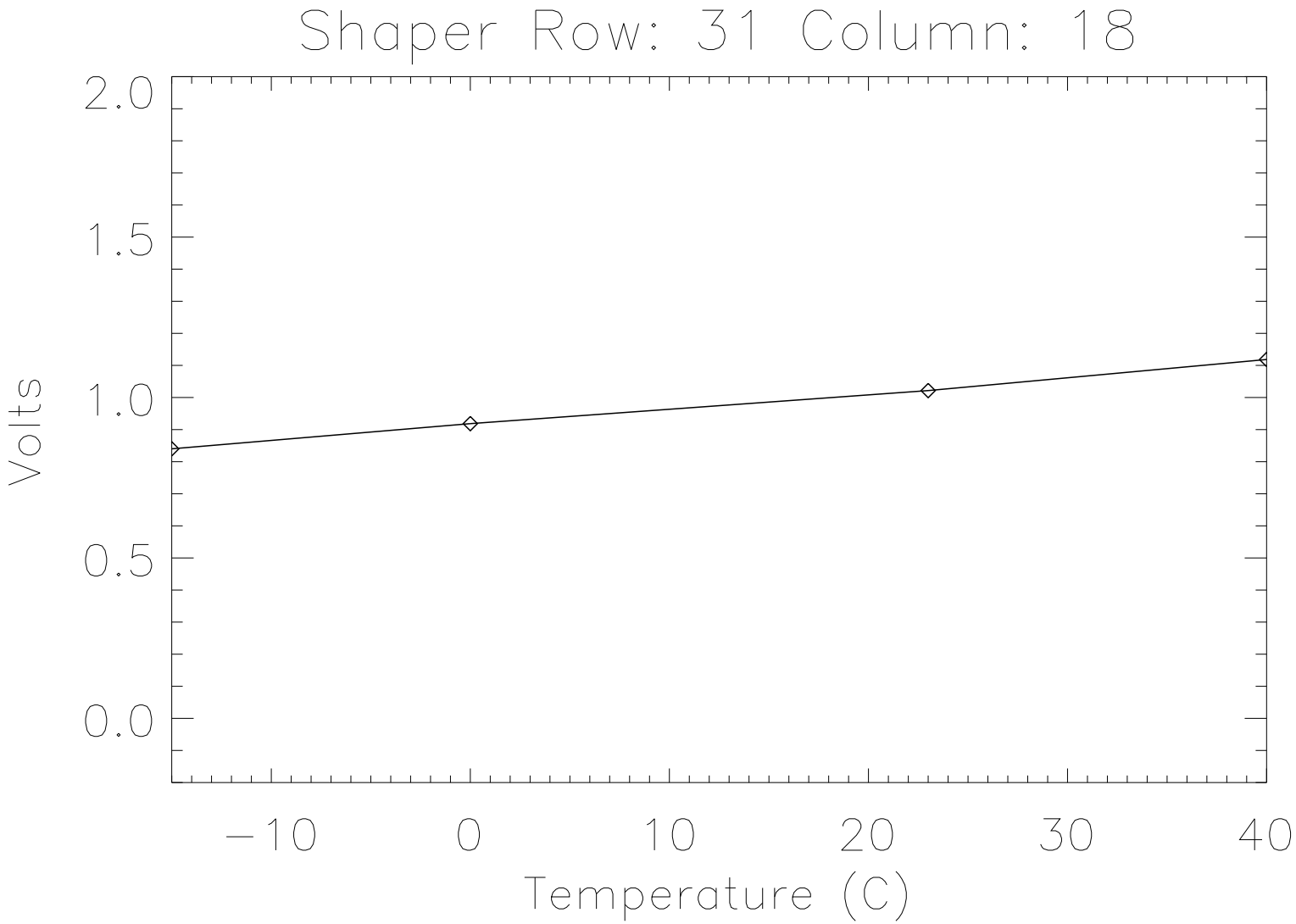
20
30
40
Temperature (C)


Shaper Row: 31 Column: 18
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1.5
1.0
0.5
0.0
Volts
−10
0
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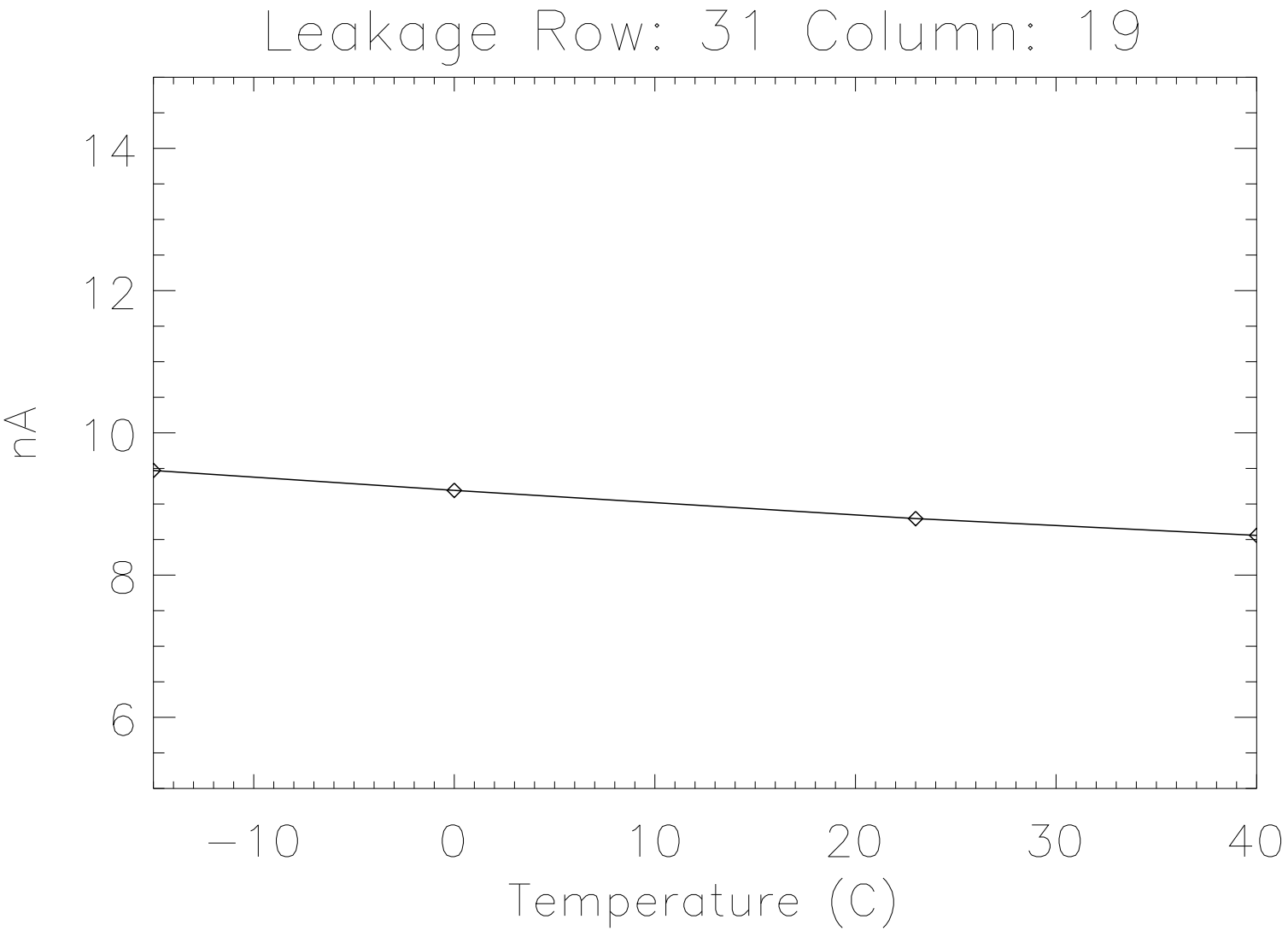
20
30
40
Temperature (C)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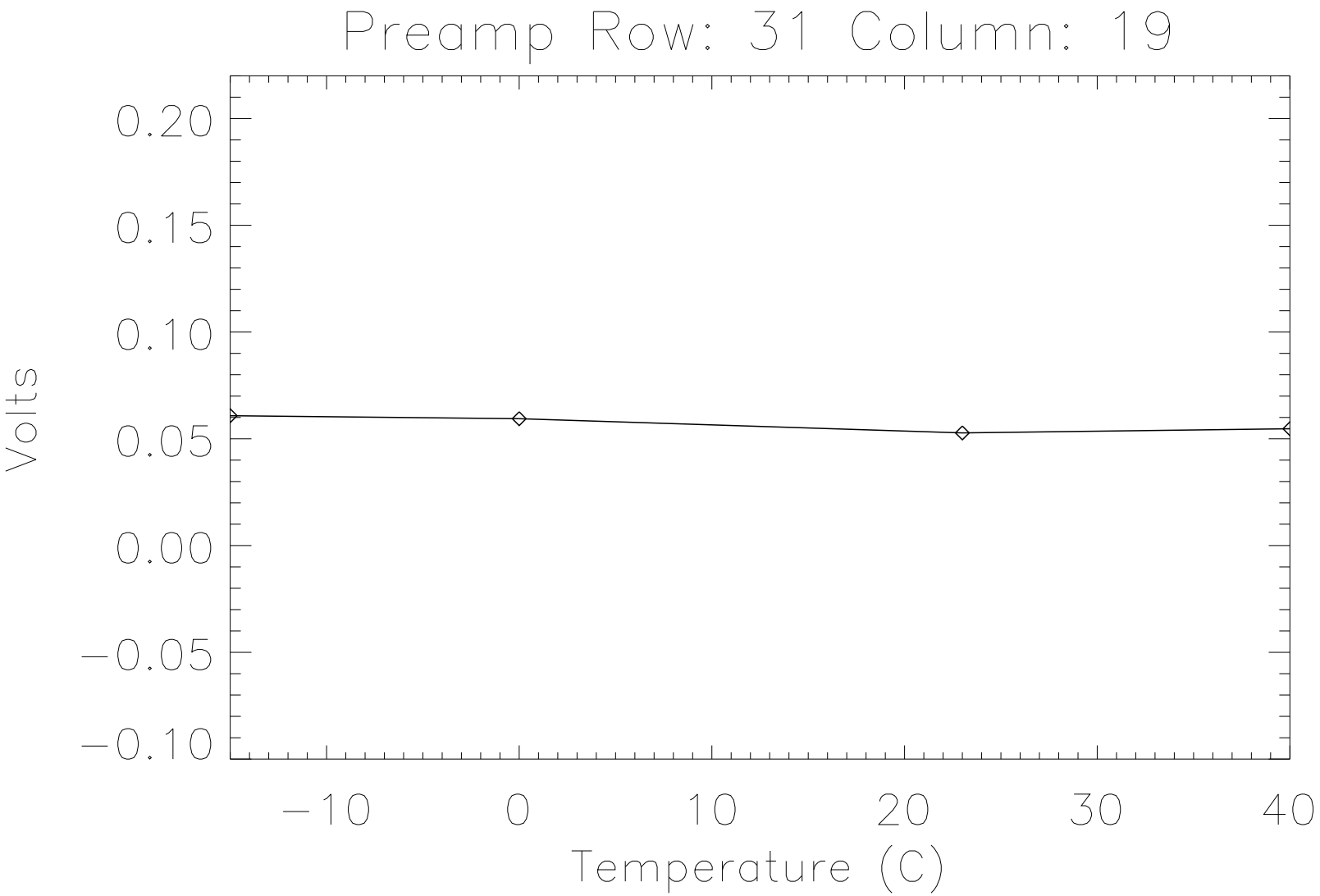
30
40
Temperature (C)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Volts
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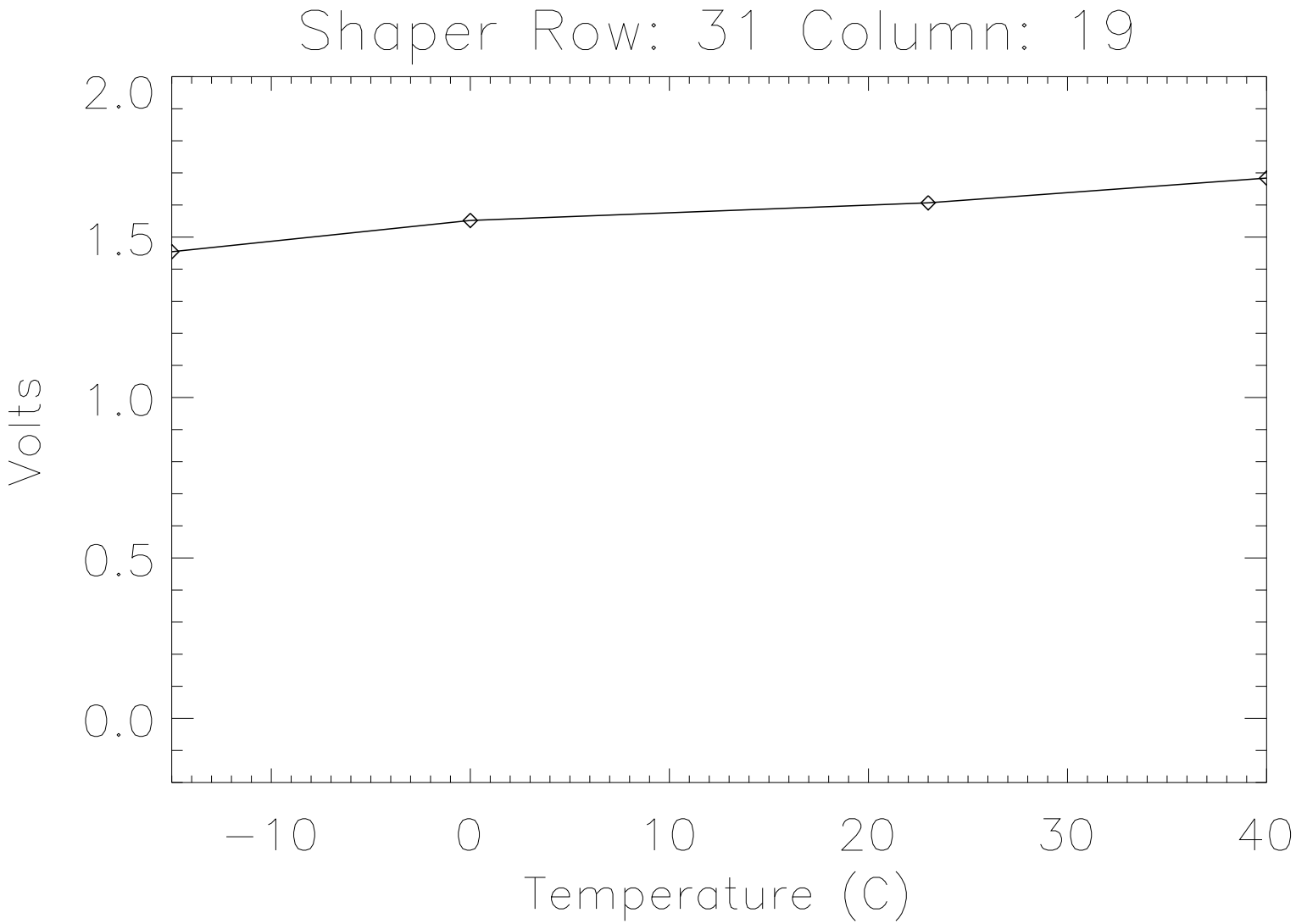
Temperature (C)


Shaper Row: 31 Column: 19
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1.0
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0.0
Volts
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0
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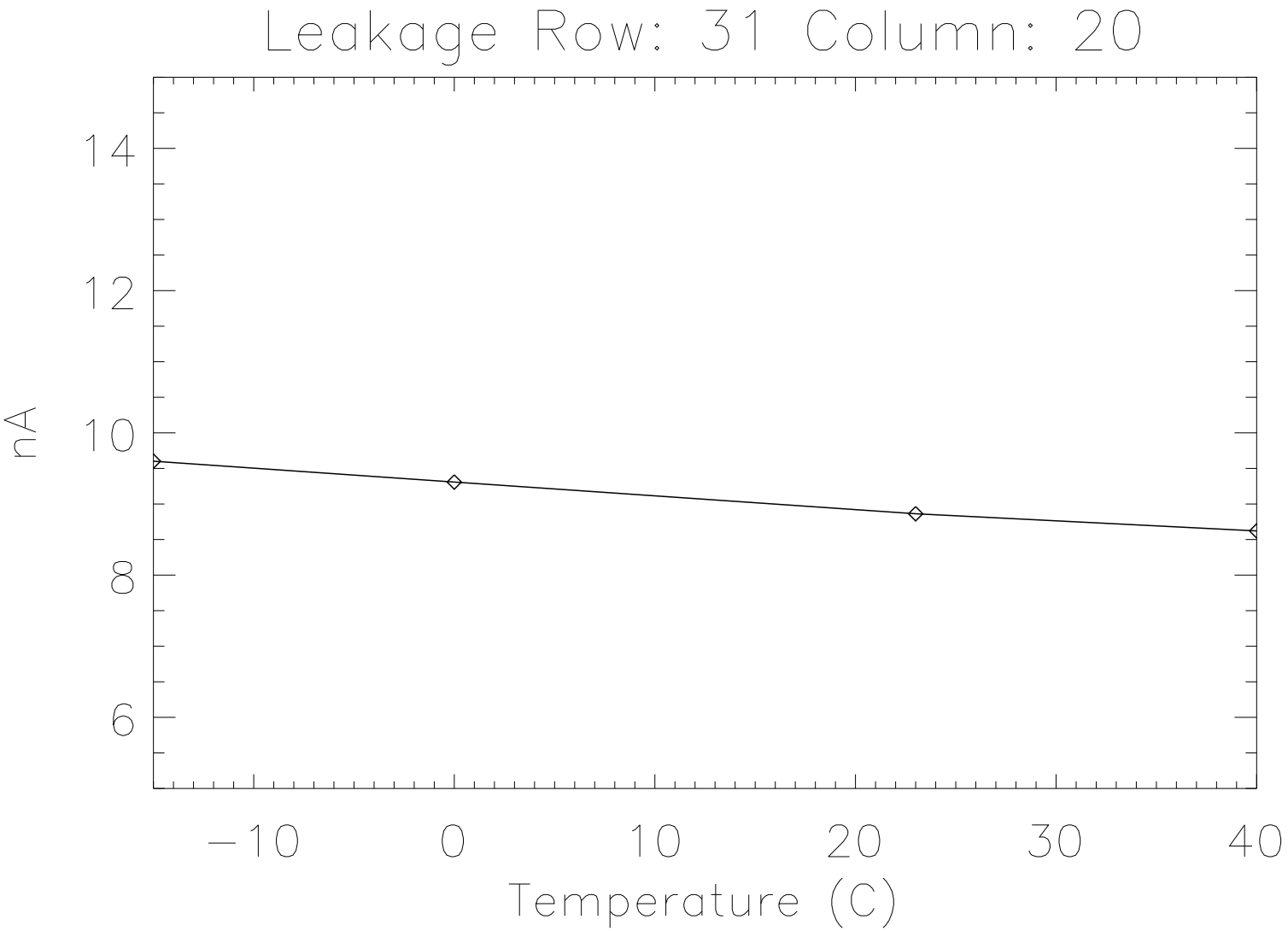
30
40
Temperature (C)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8
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−10
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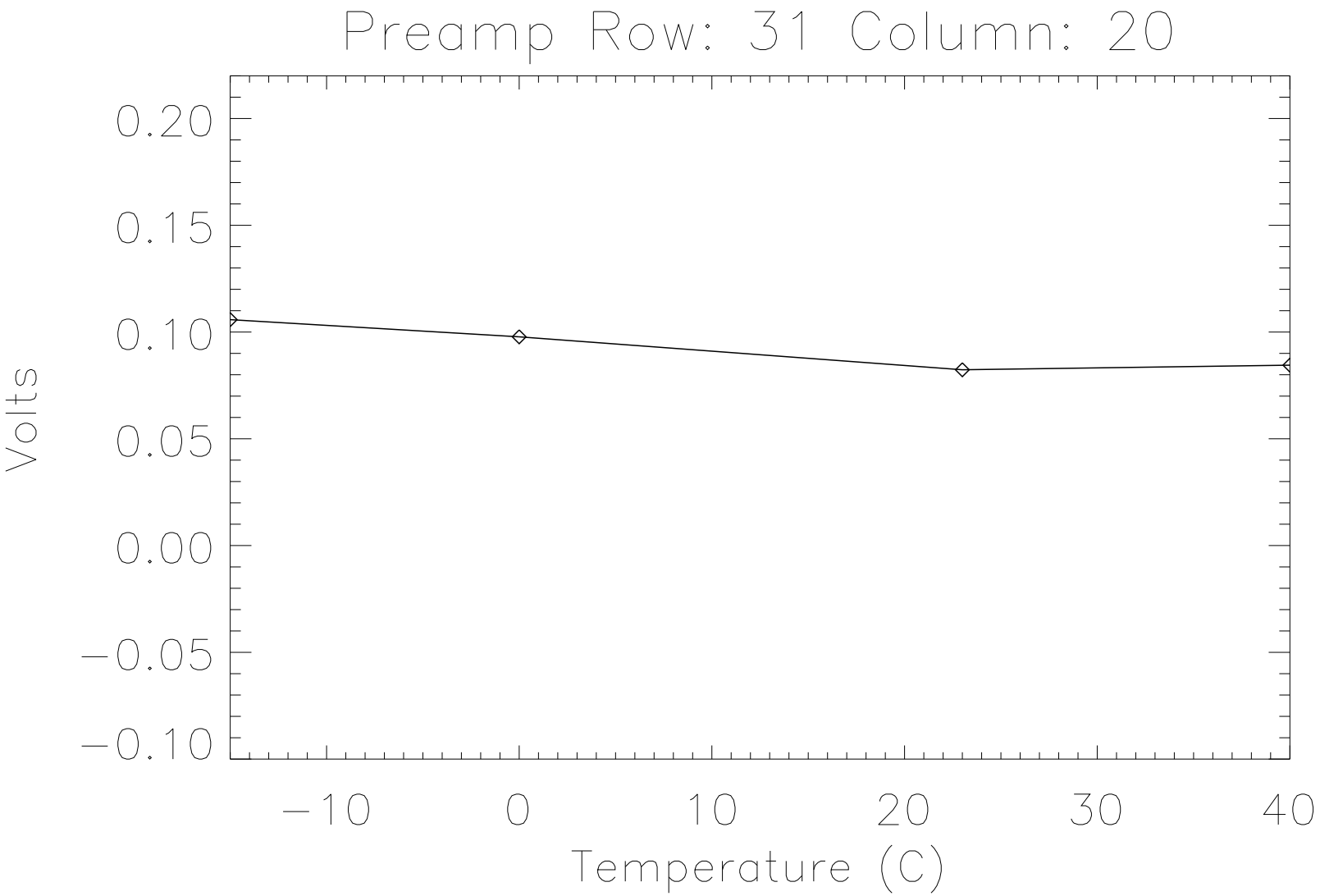
20
30
40
Temperature (C)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Volts
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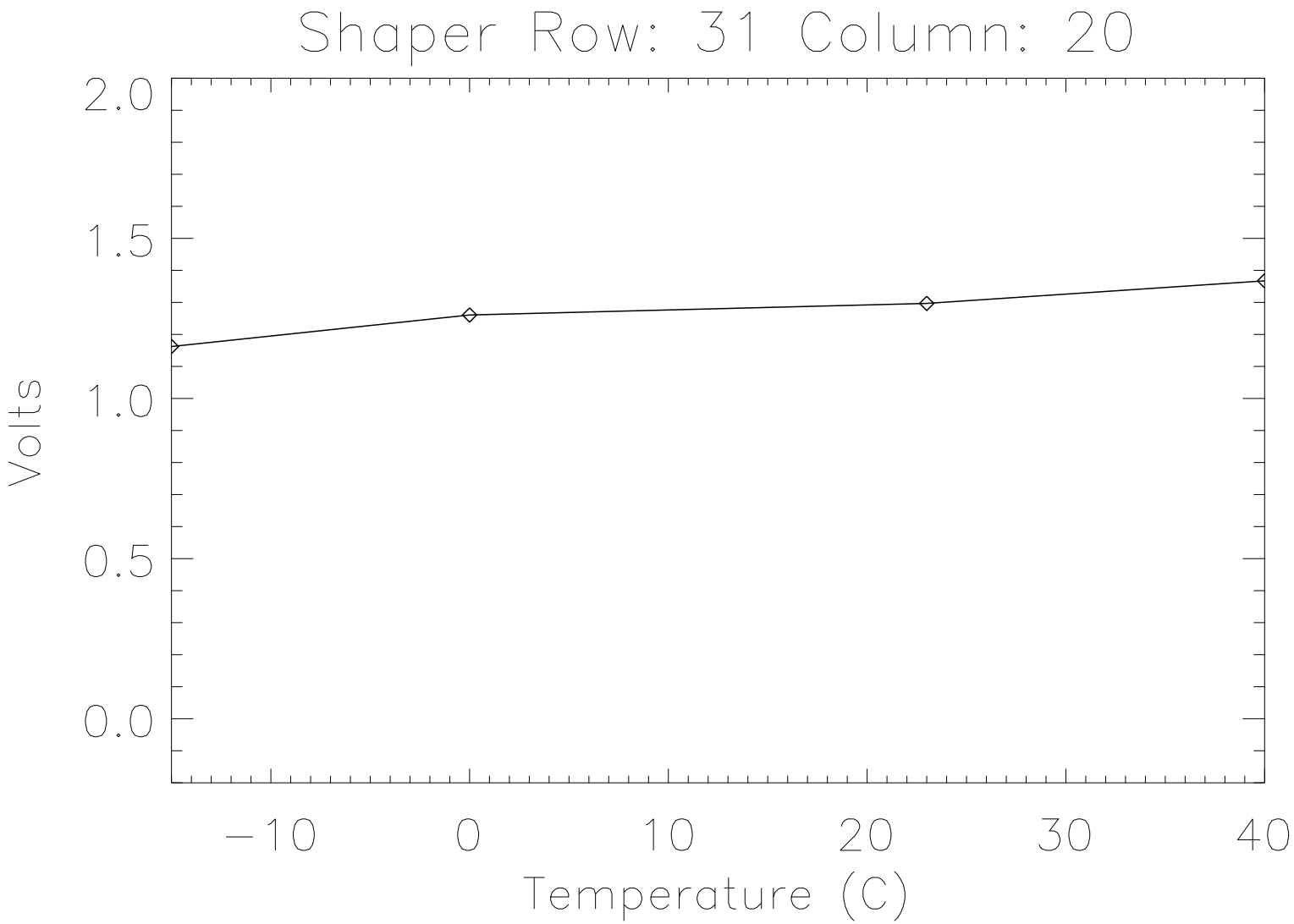
Temperature (C)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Volts
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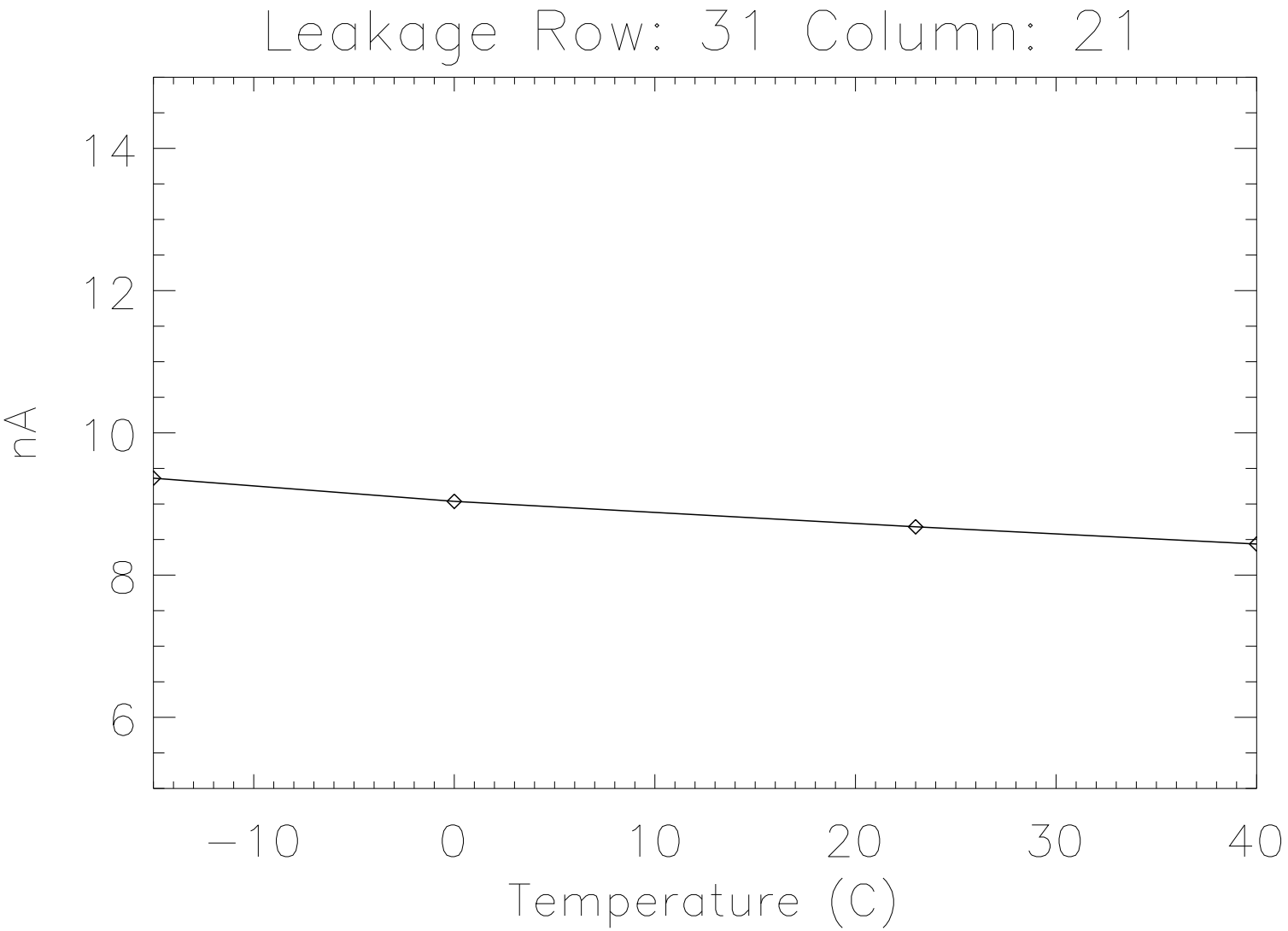
Temperature (C)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14
12
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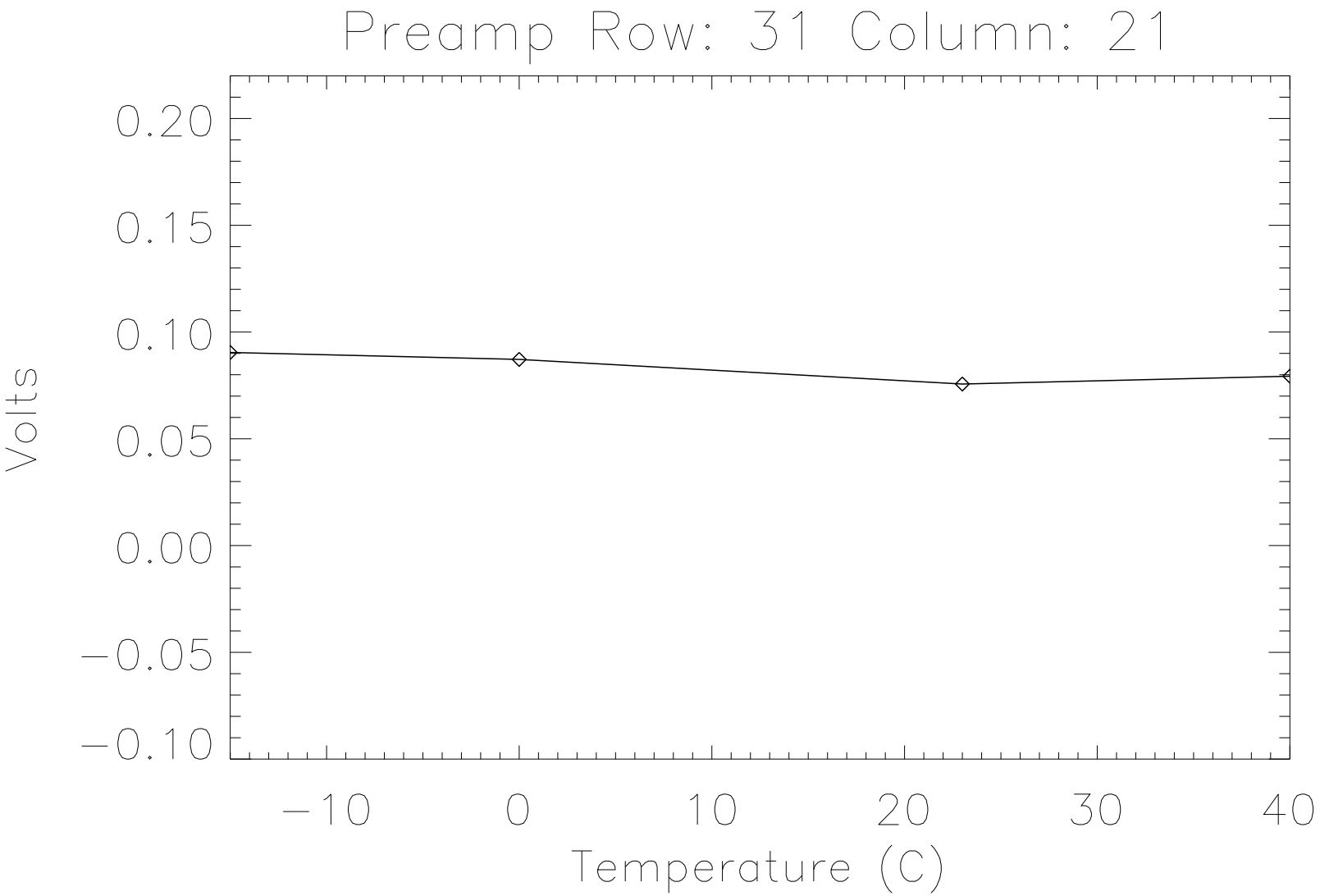
8
6
nA
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 31 Column: 21
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Volts
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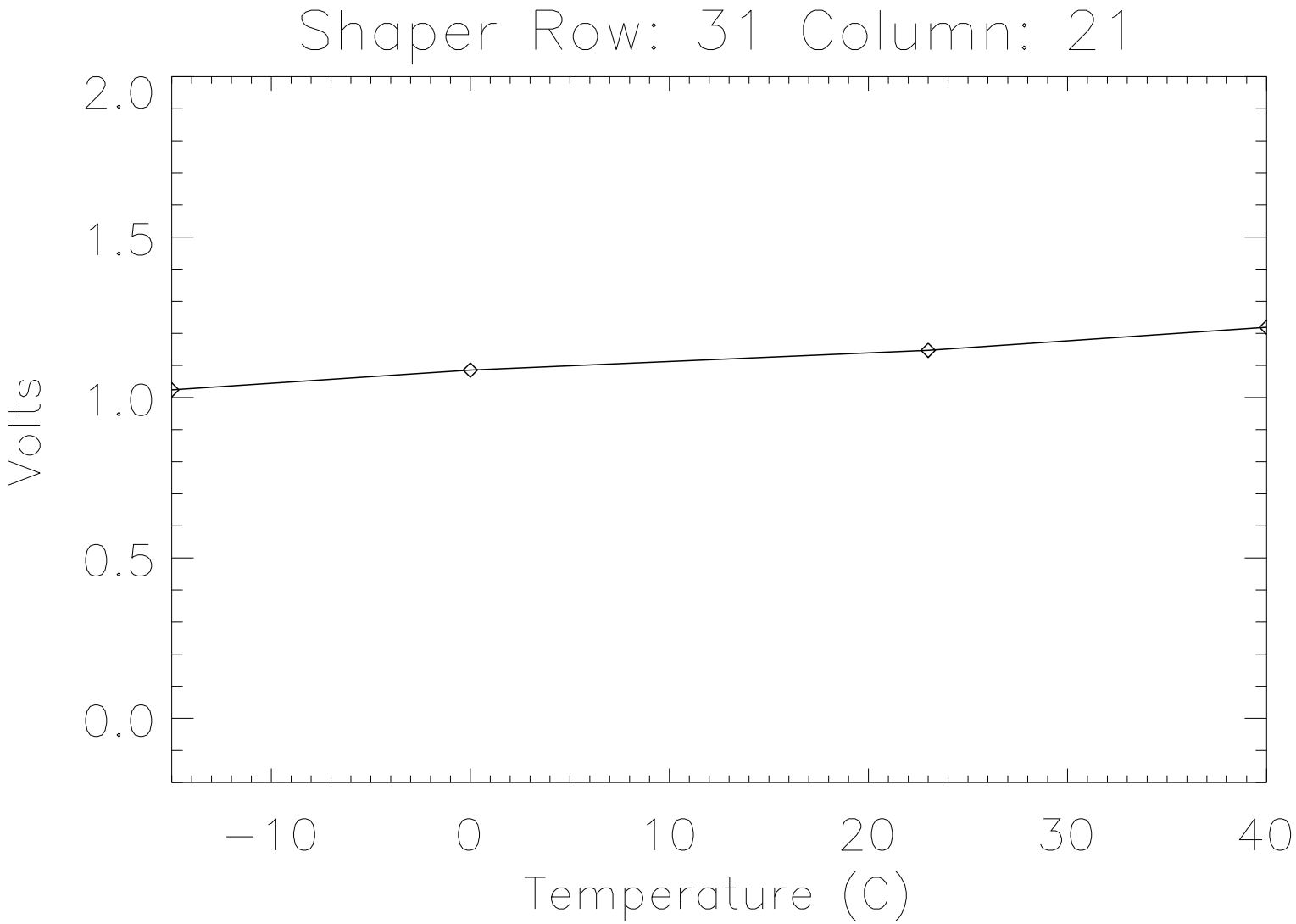
Temperature (C)


Shaper Row: 31 Column: 21
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Volts
−10
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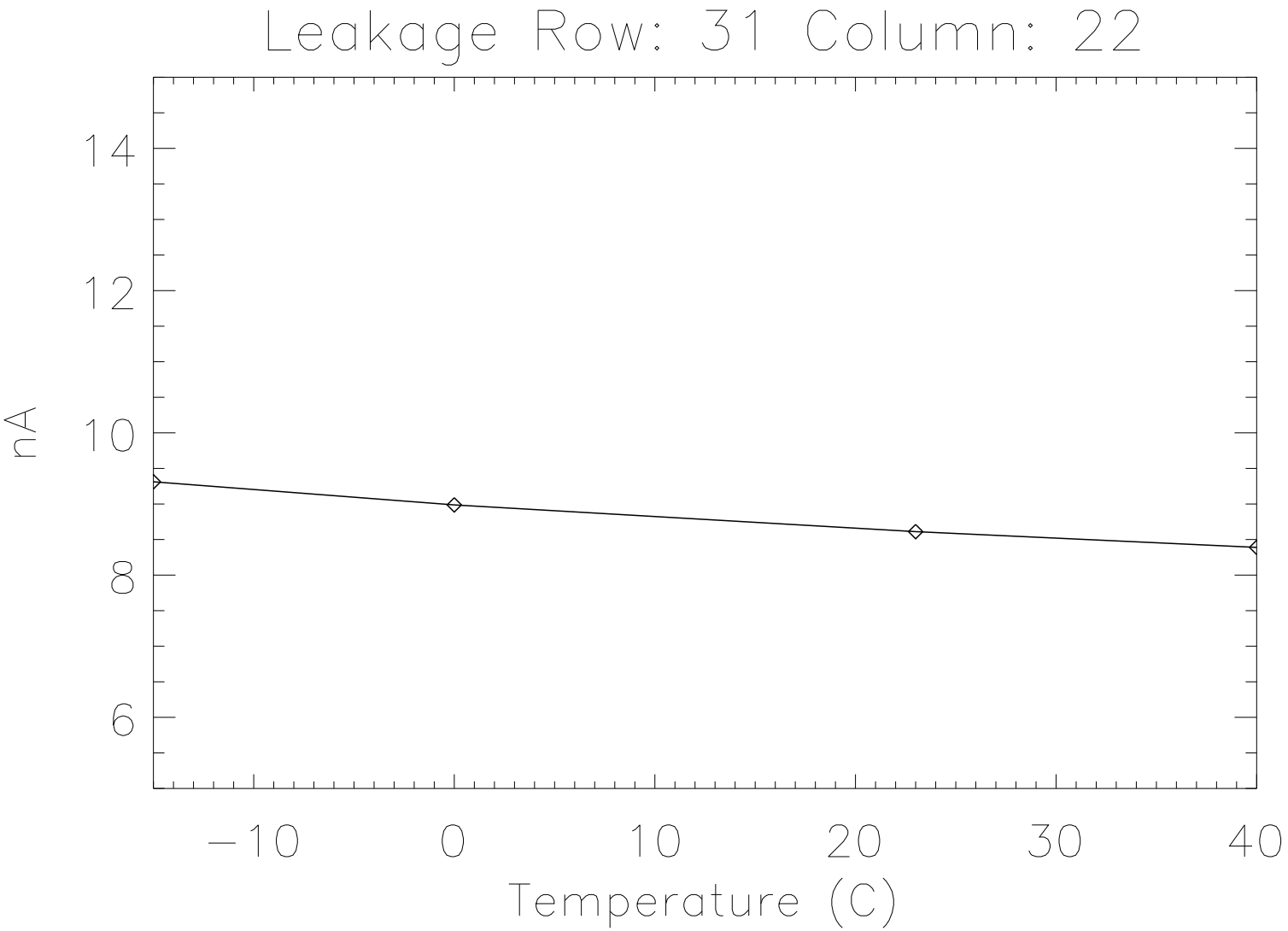
Temperature (C)


Leakage Row: 31 Column: 22
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8
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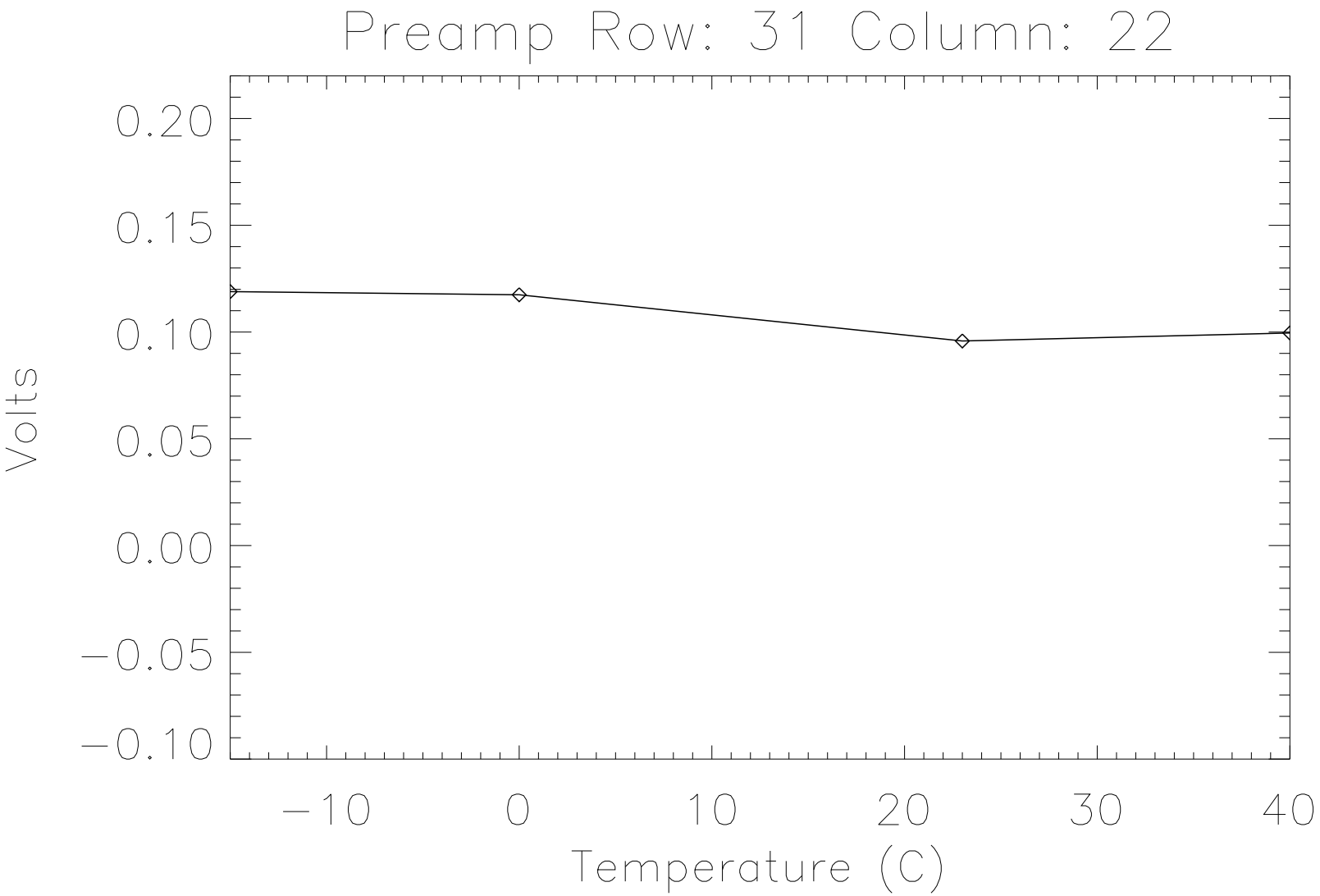
20
30
40
Temperature (C)


Preamp Row: 31 Column: 22
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0.10
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Volts
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30
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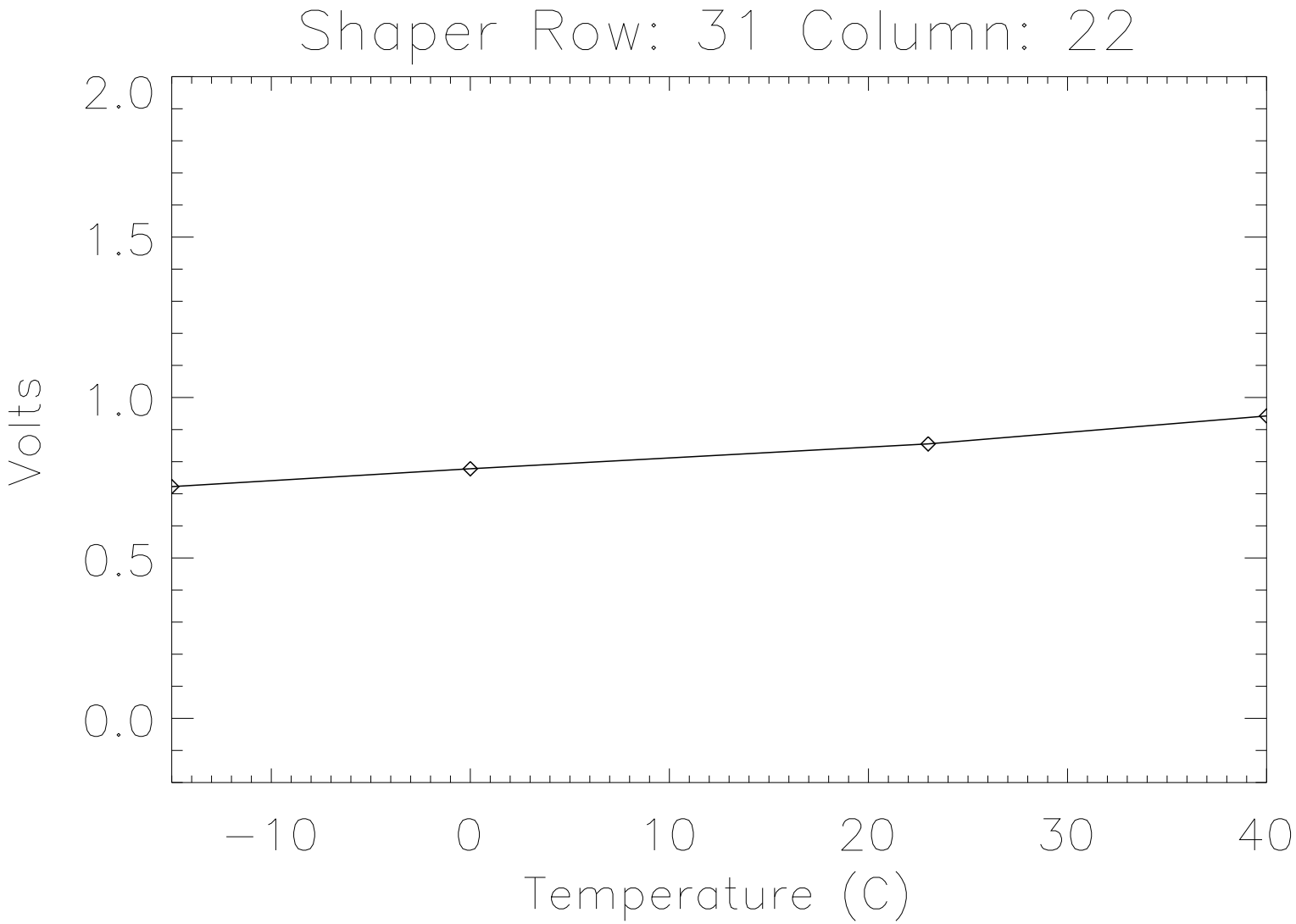
Temperature (C)


Shaper Row: 31 Column: 22
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1.0
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0.0
Volts
−10
0
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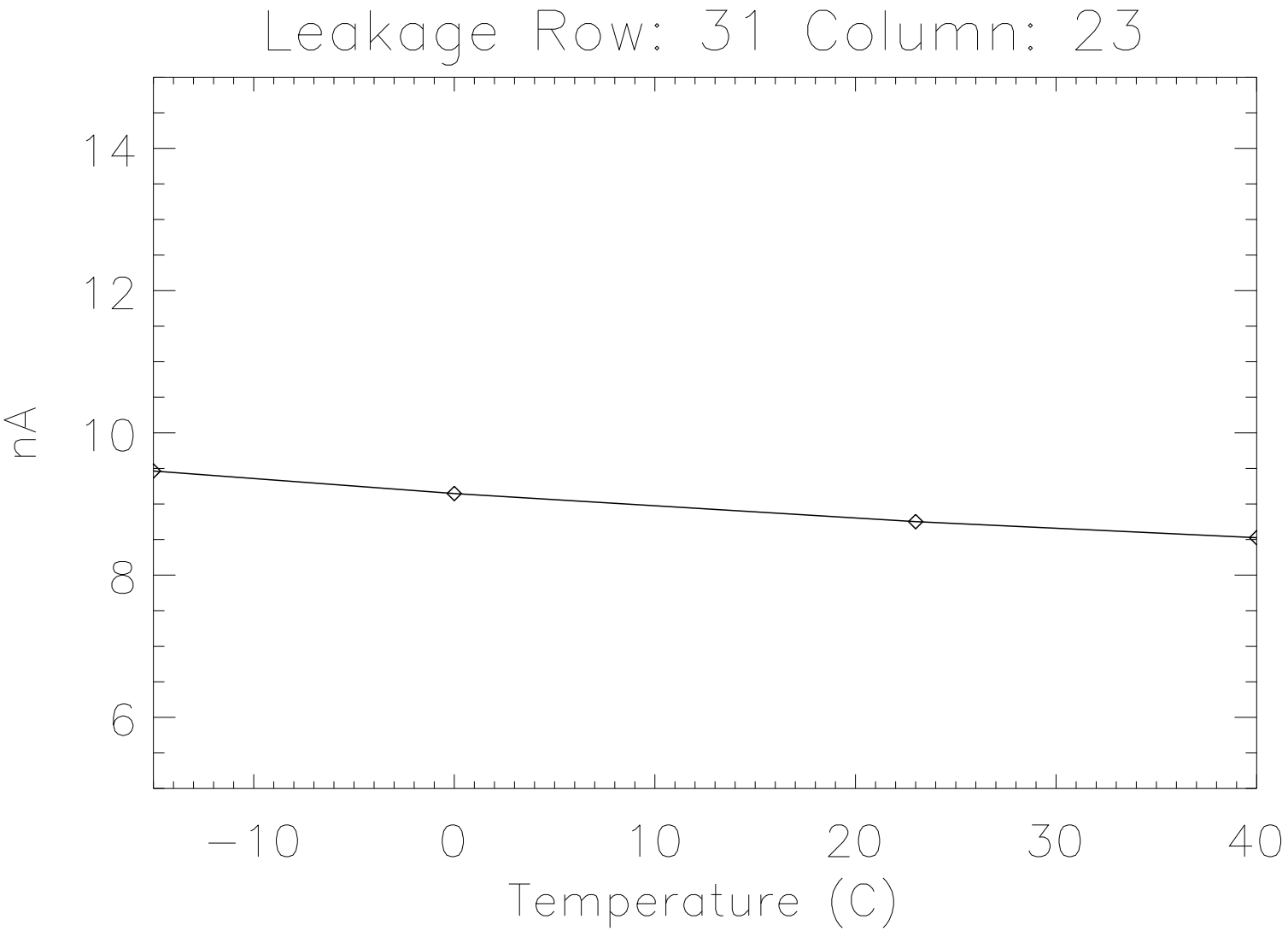
30
40
Temperature (C)


Leakage Row: 31 Column: 23
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nA
−10
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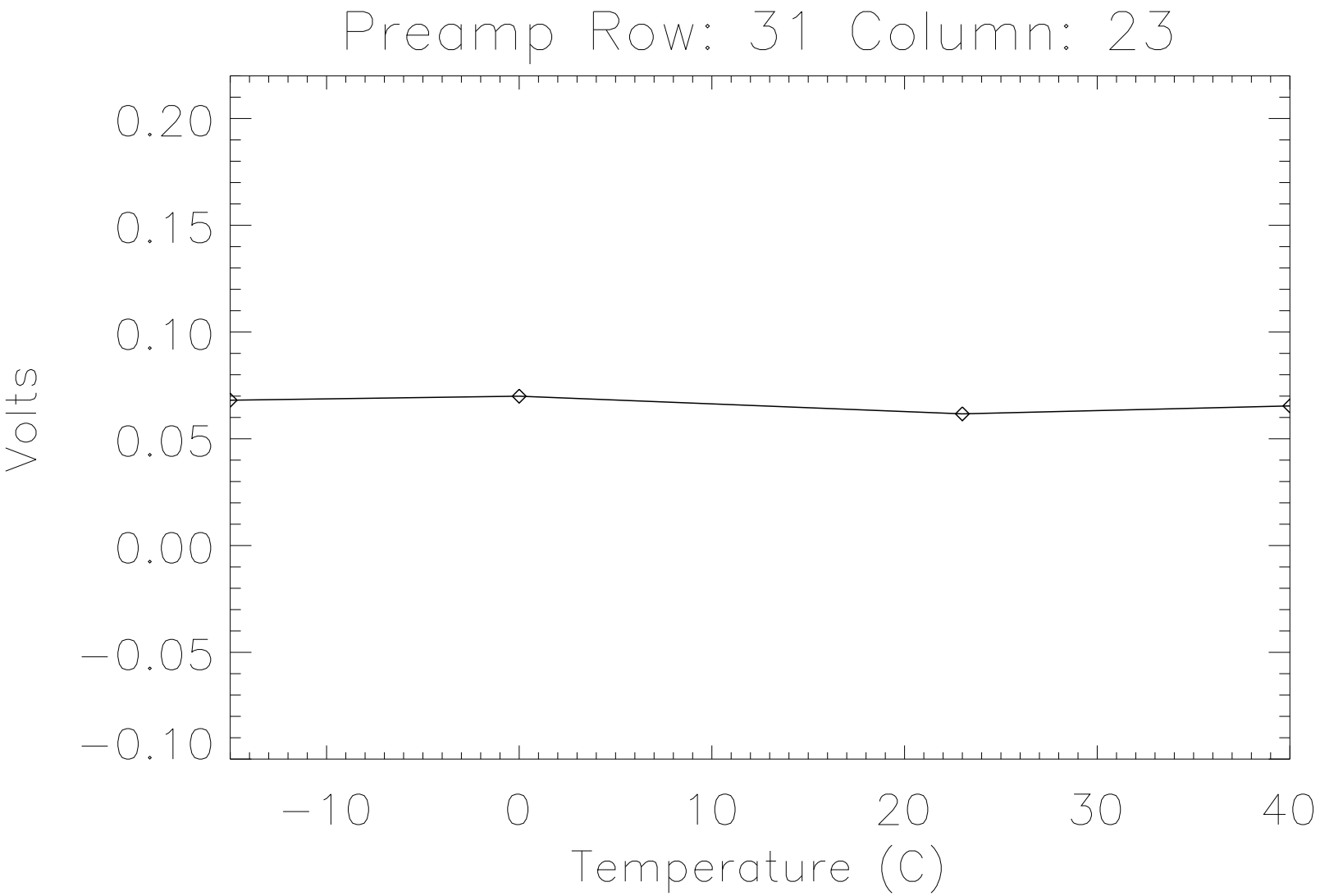
30
40
Temperature (C)


Preamp Row: 31 Column: 23
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0.00
−0.05
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Volts
−10
0
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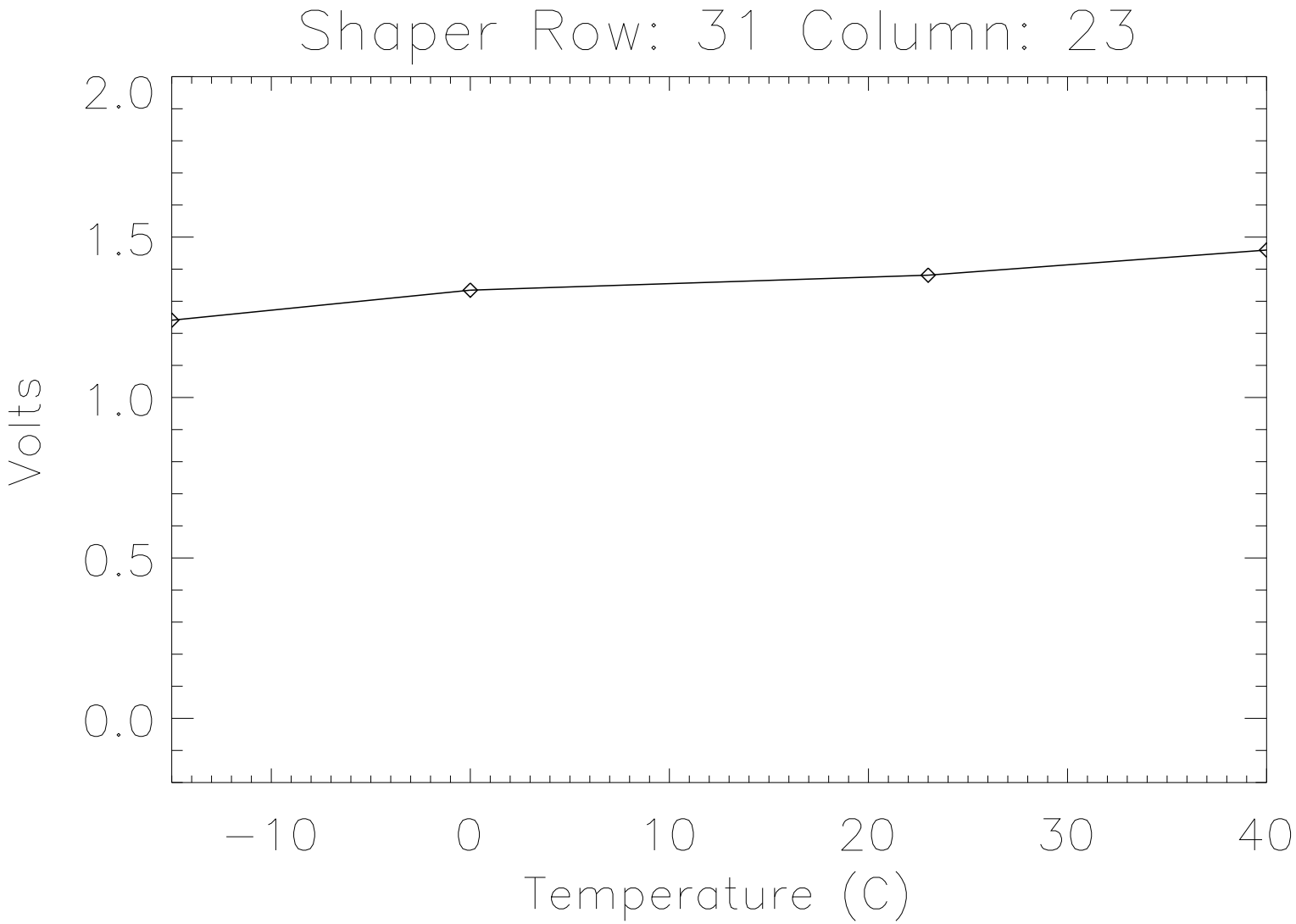
30
40
Temperature (C)


Shaper Row: 31 Column: 23
2.0
1.5
1.0
0.5
0.0
Volts
−10
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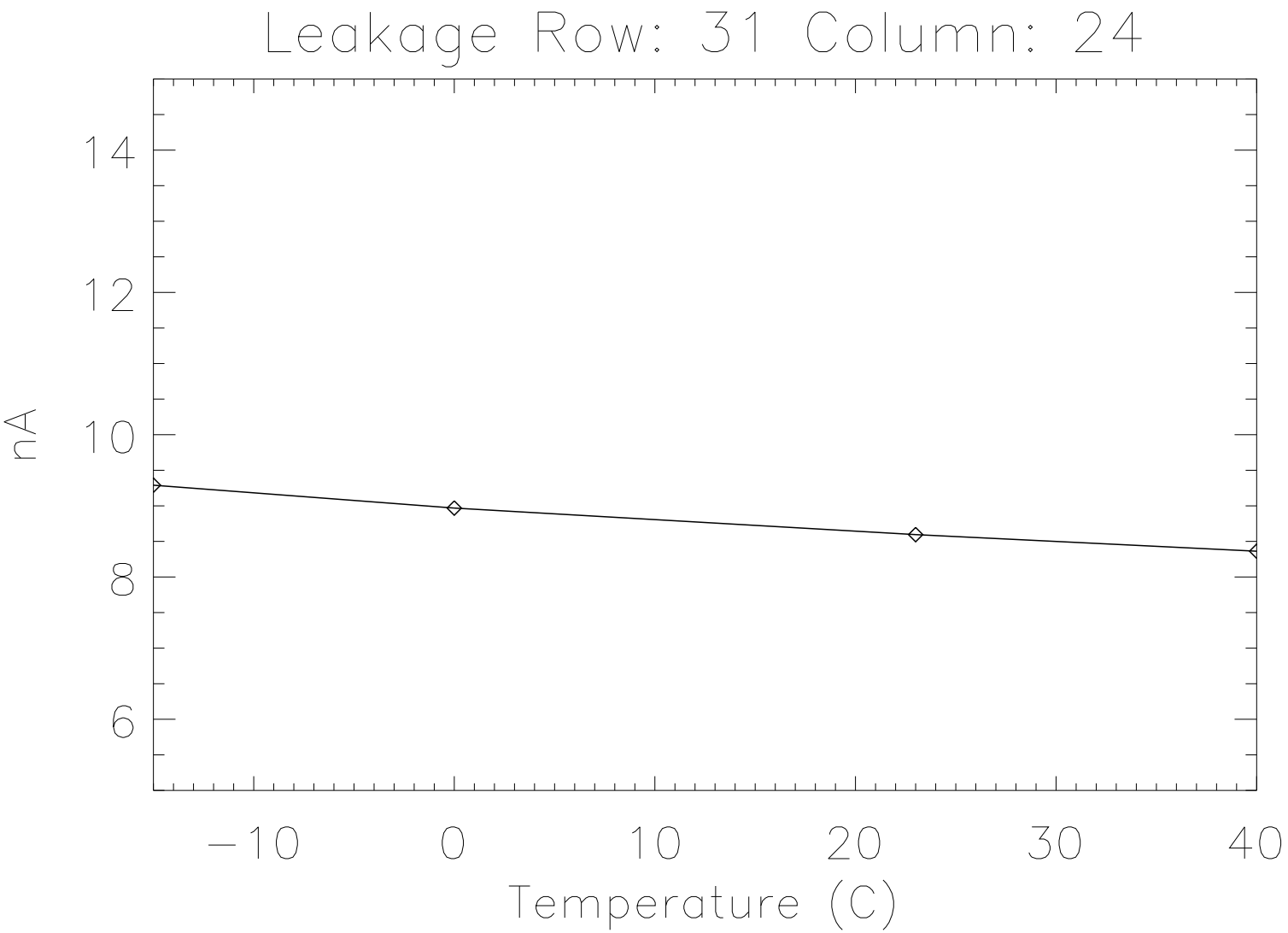
30
40
Temperature (C)


Leakage Row: 31 Column: 24
nA
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8
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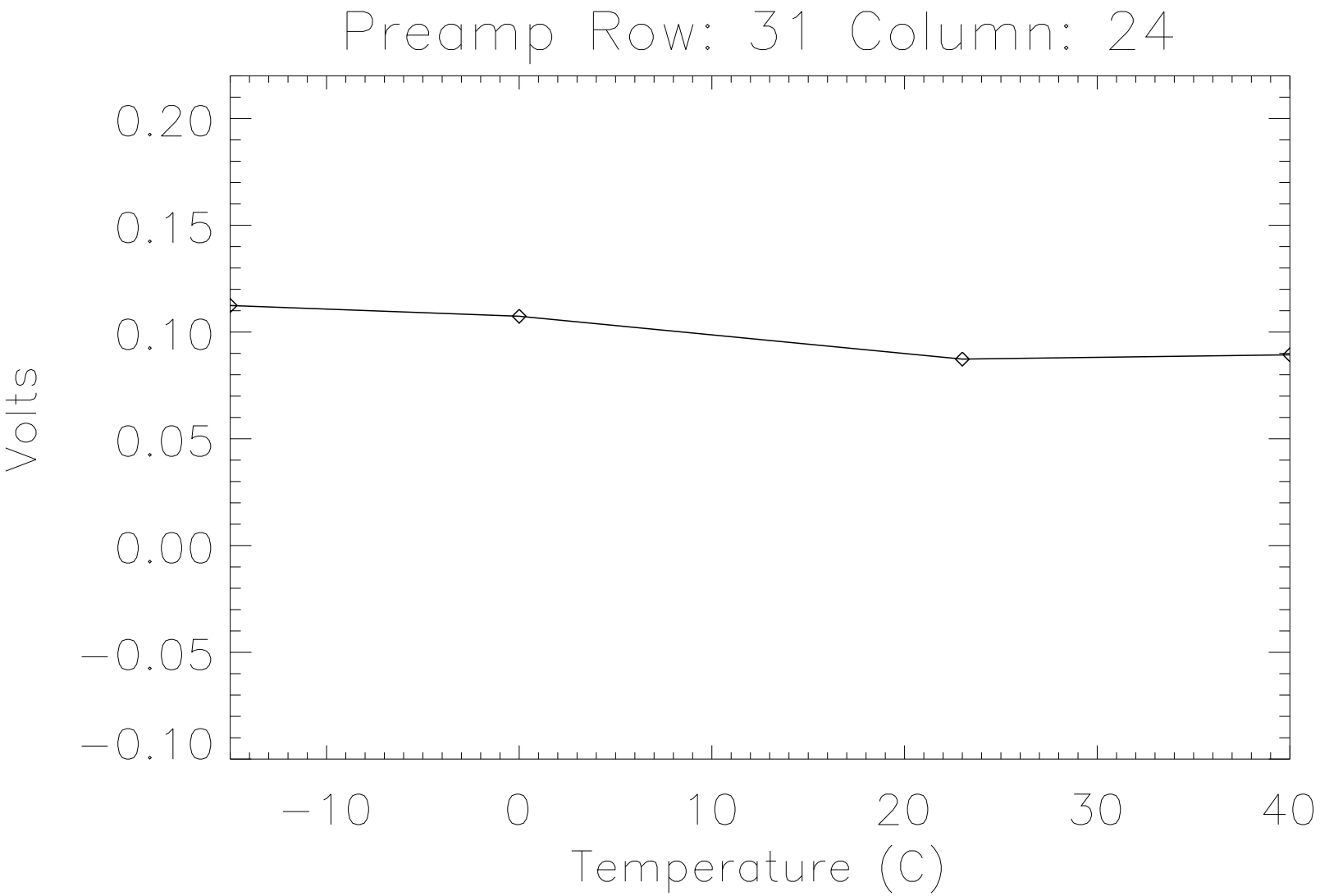
30
40
Temperature (C)


Preamp Row: 31 Column: 24
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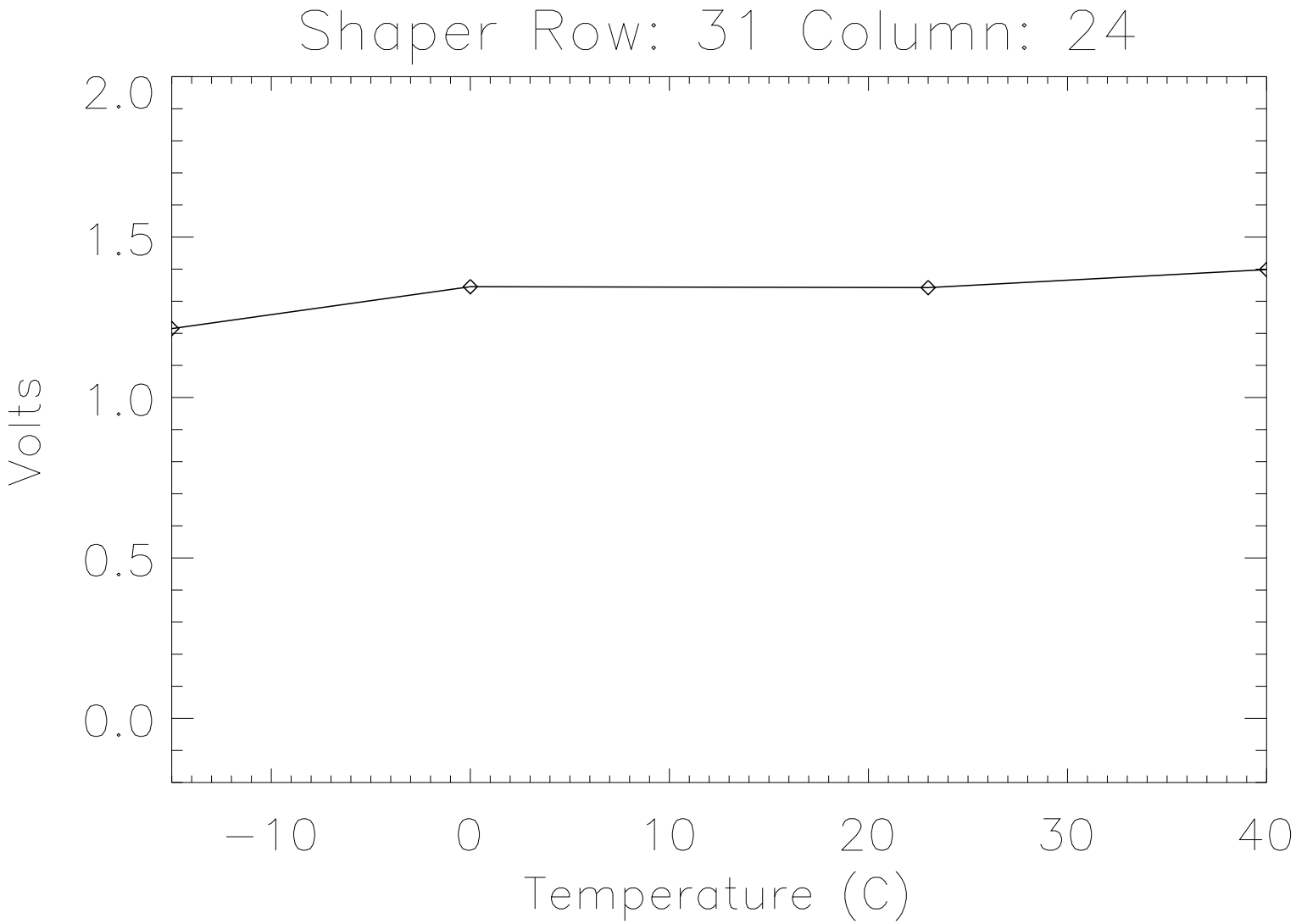
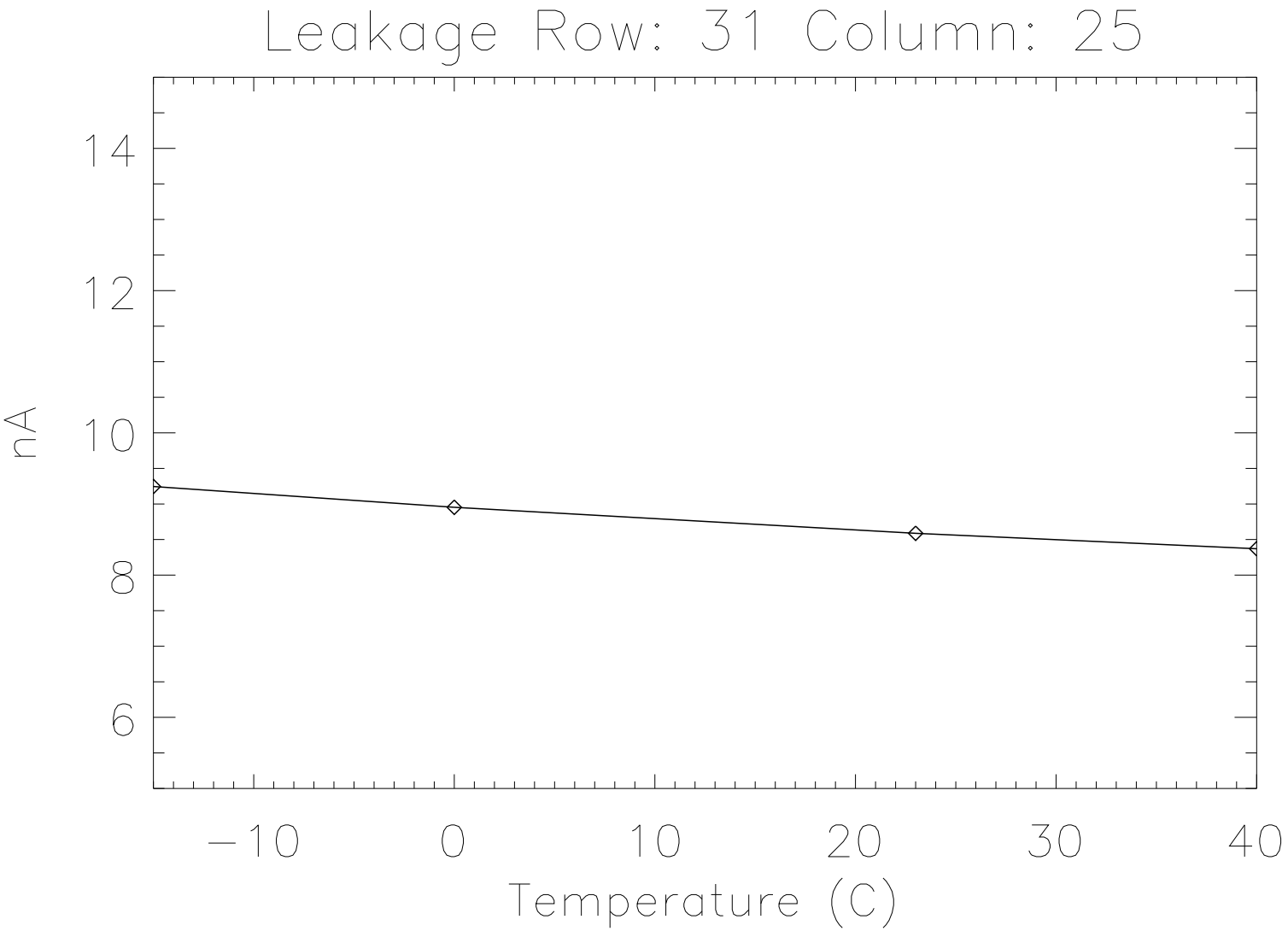
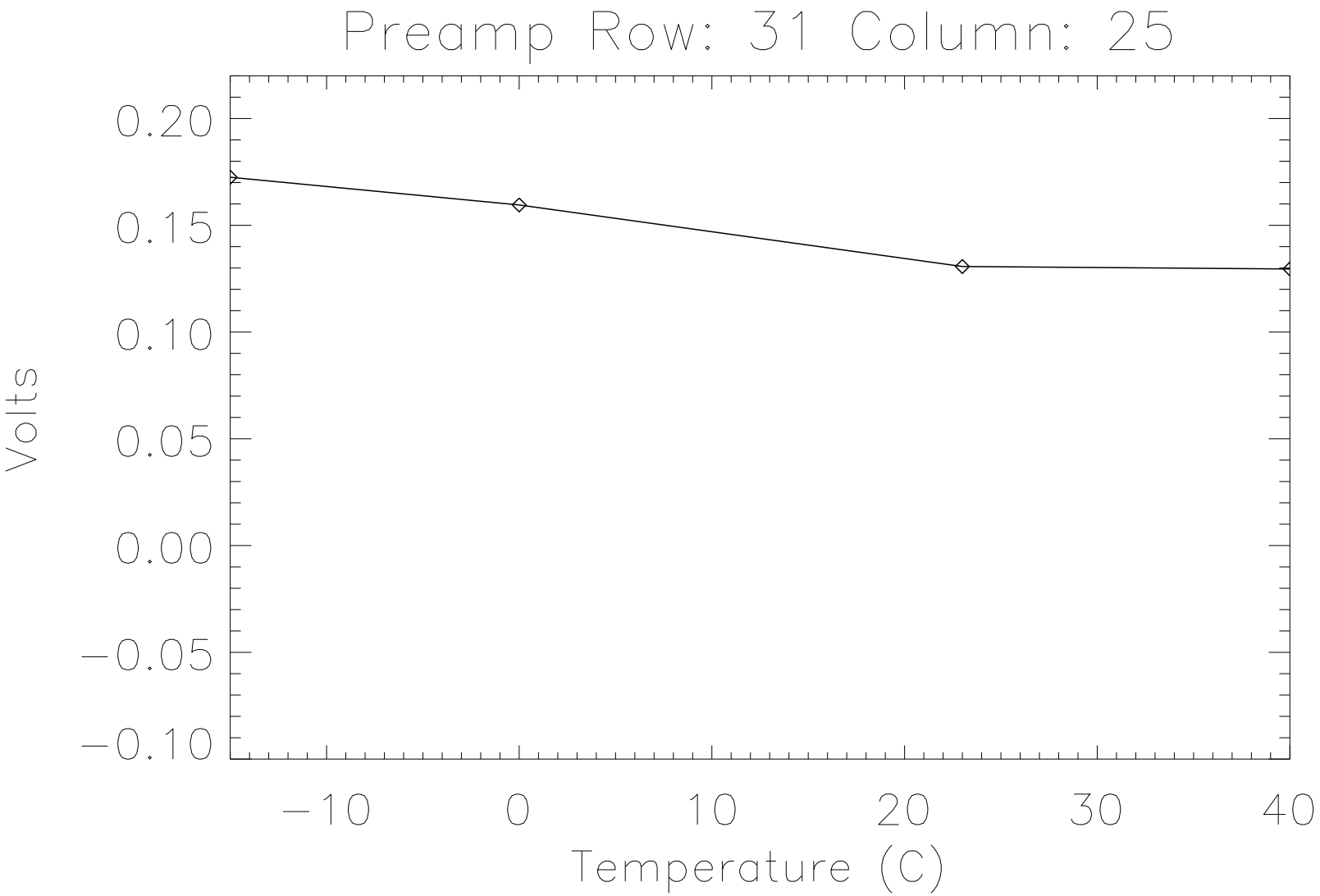
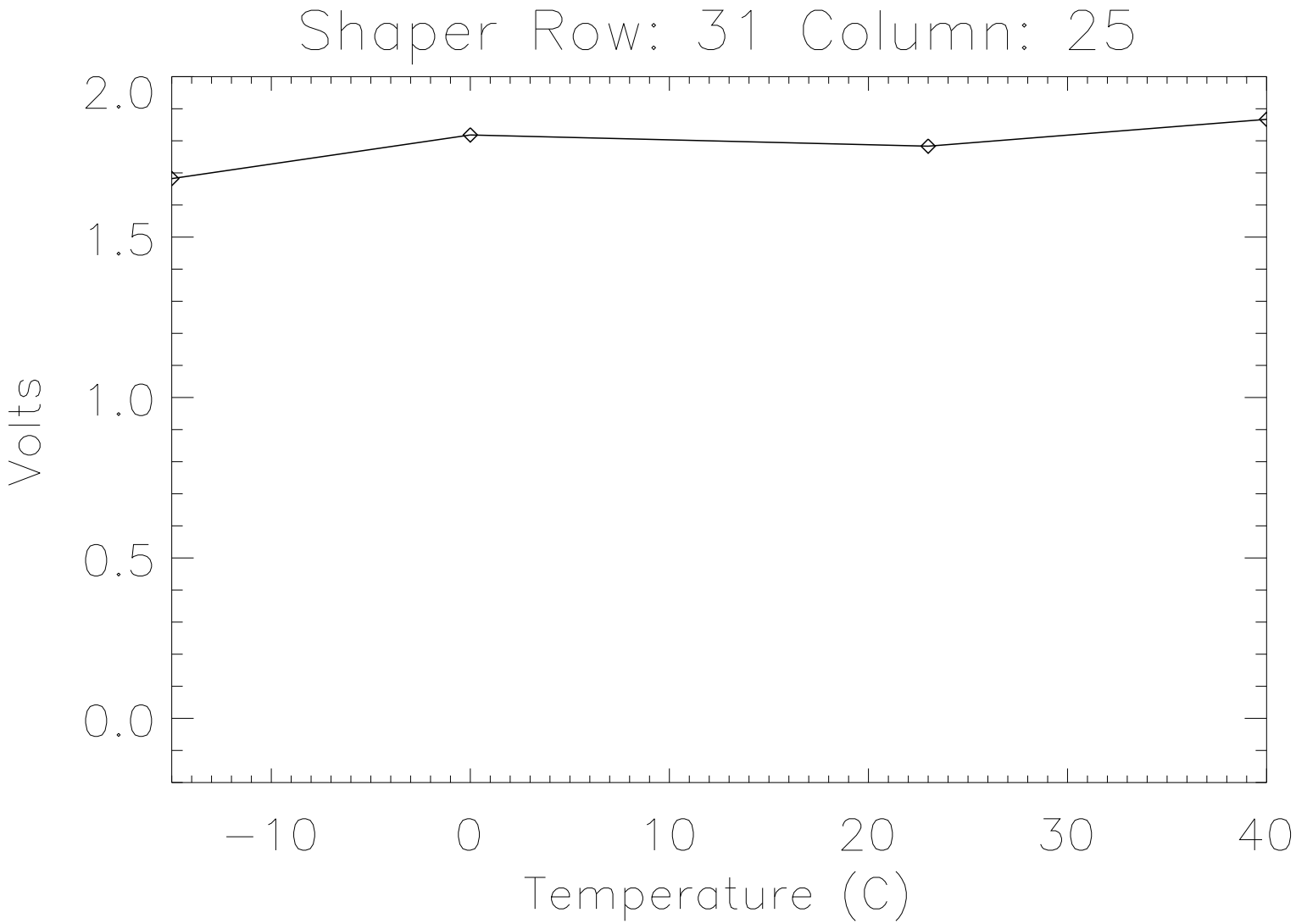
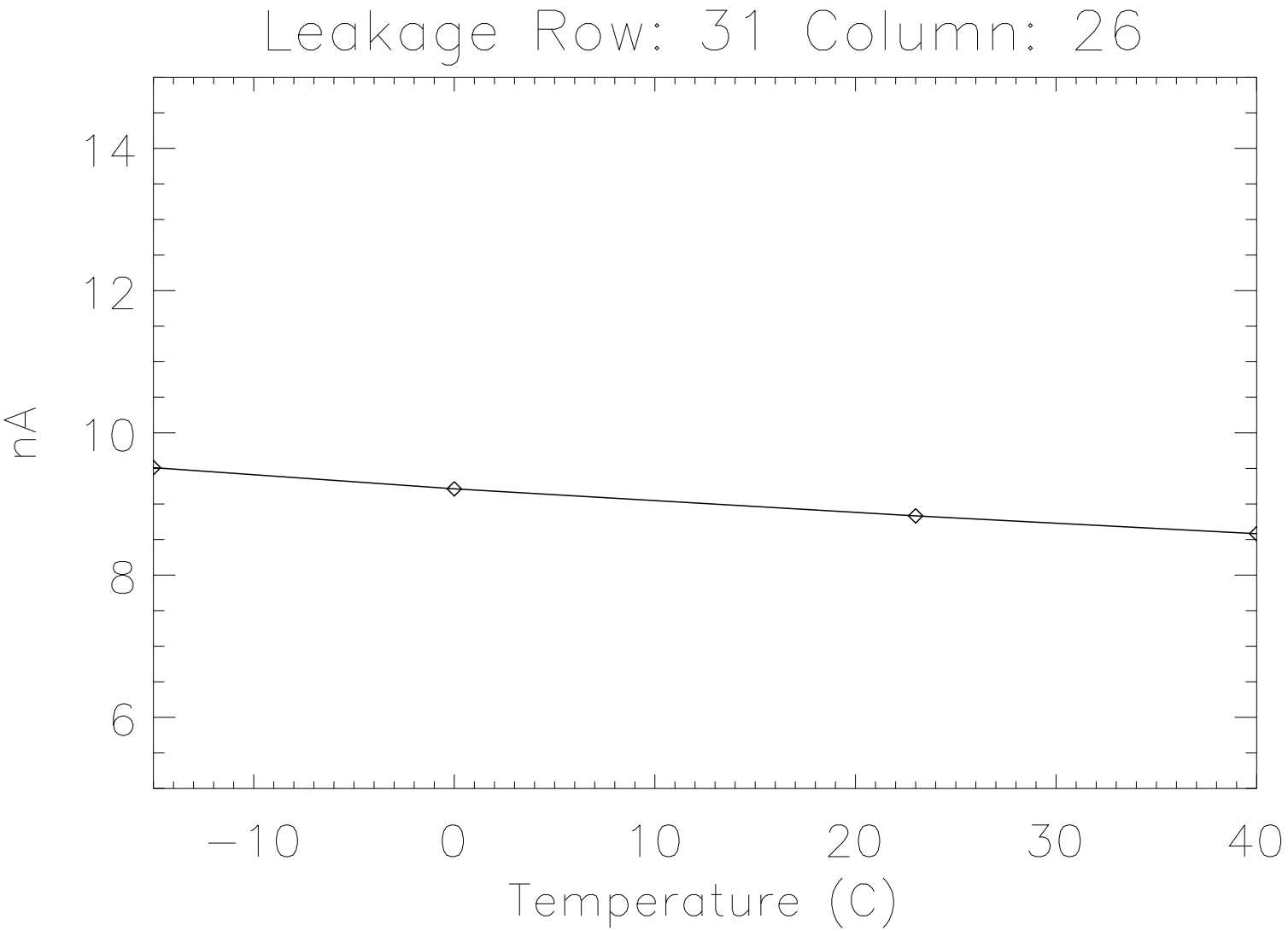
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

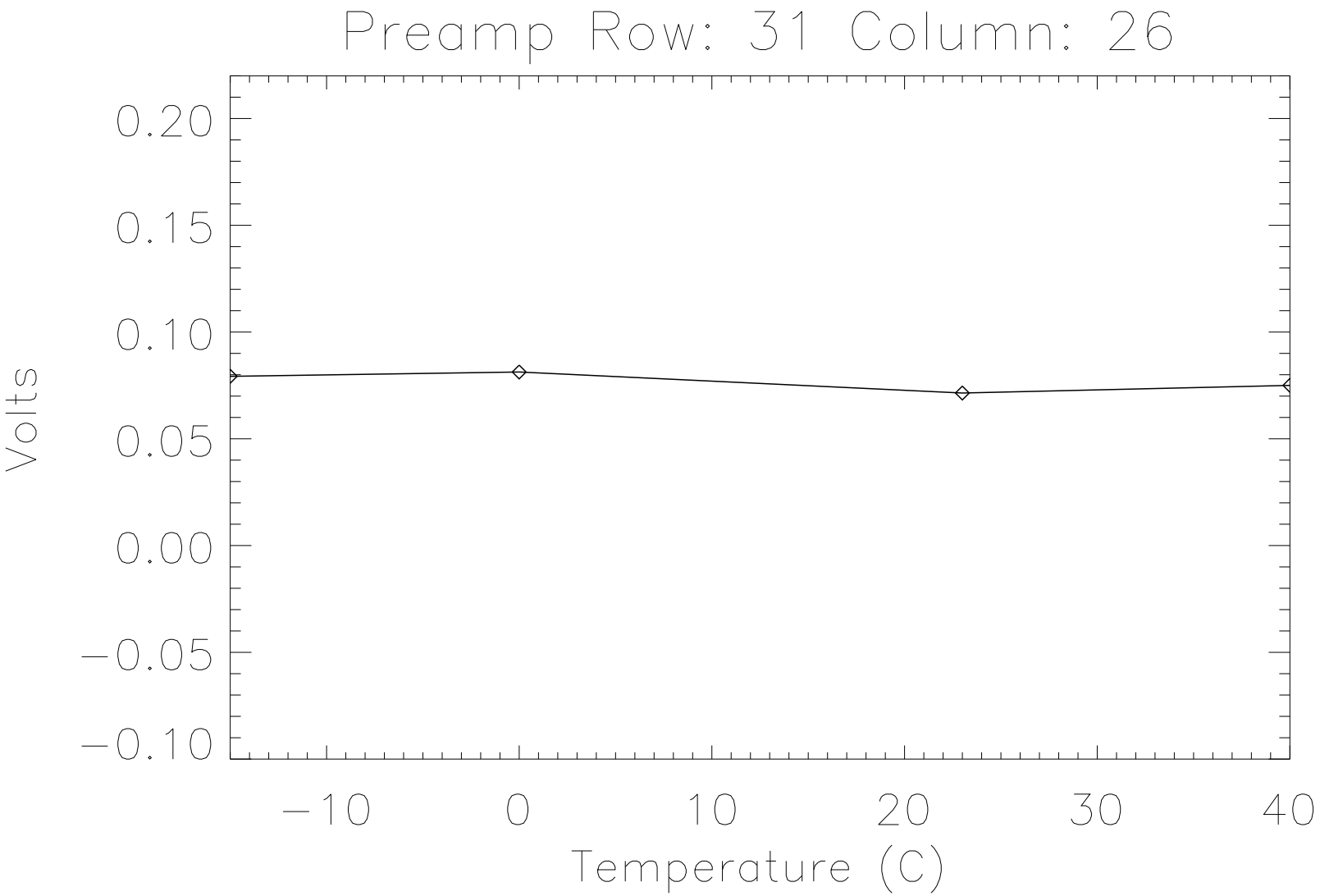

Shaper Row: 31 Column: 24
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

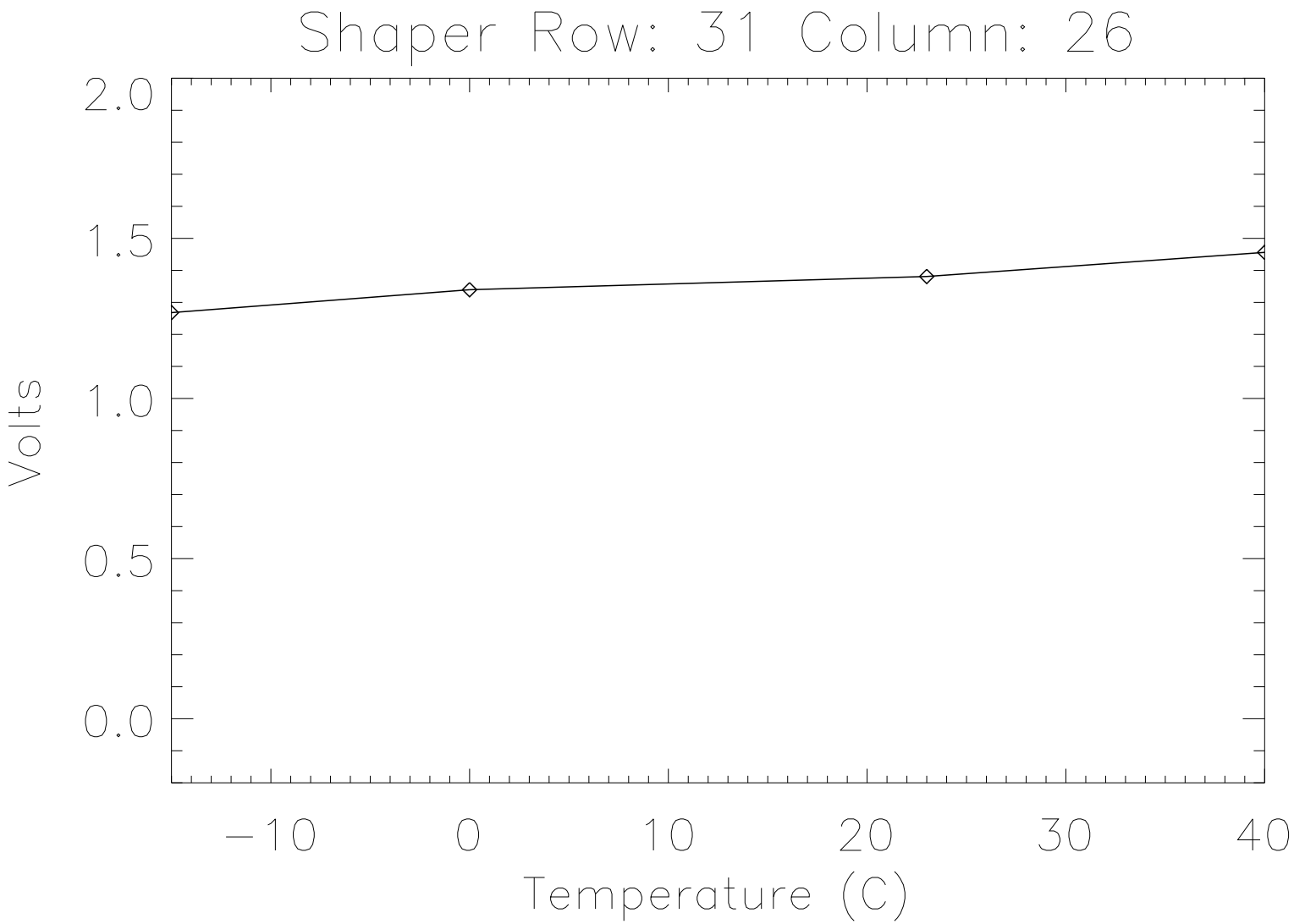

Leakage Row: 31 Column: 25
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

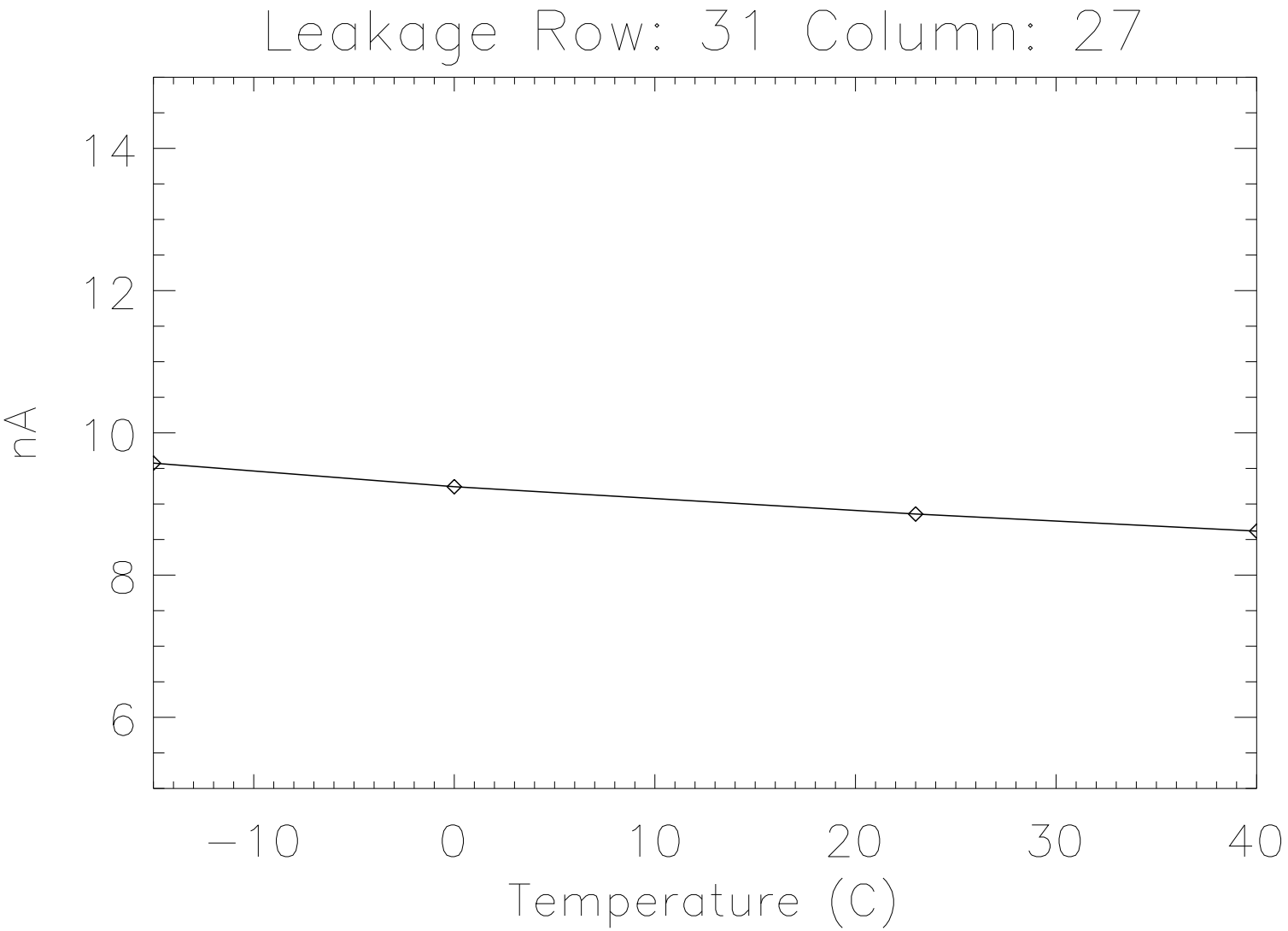

Preamp Row: 31 Column: 25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

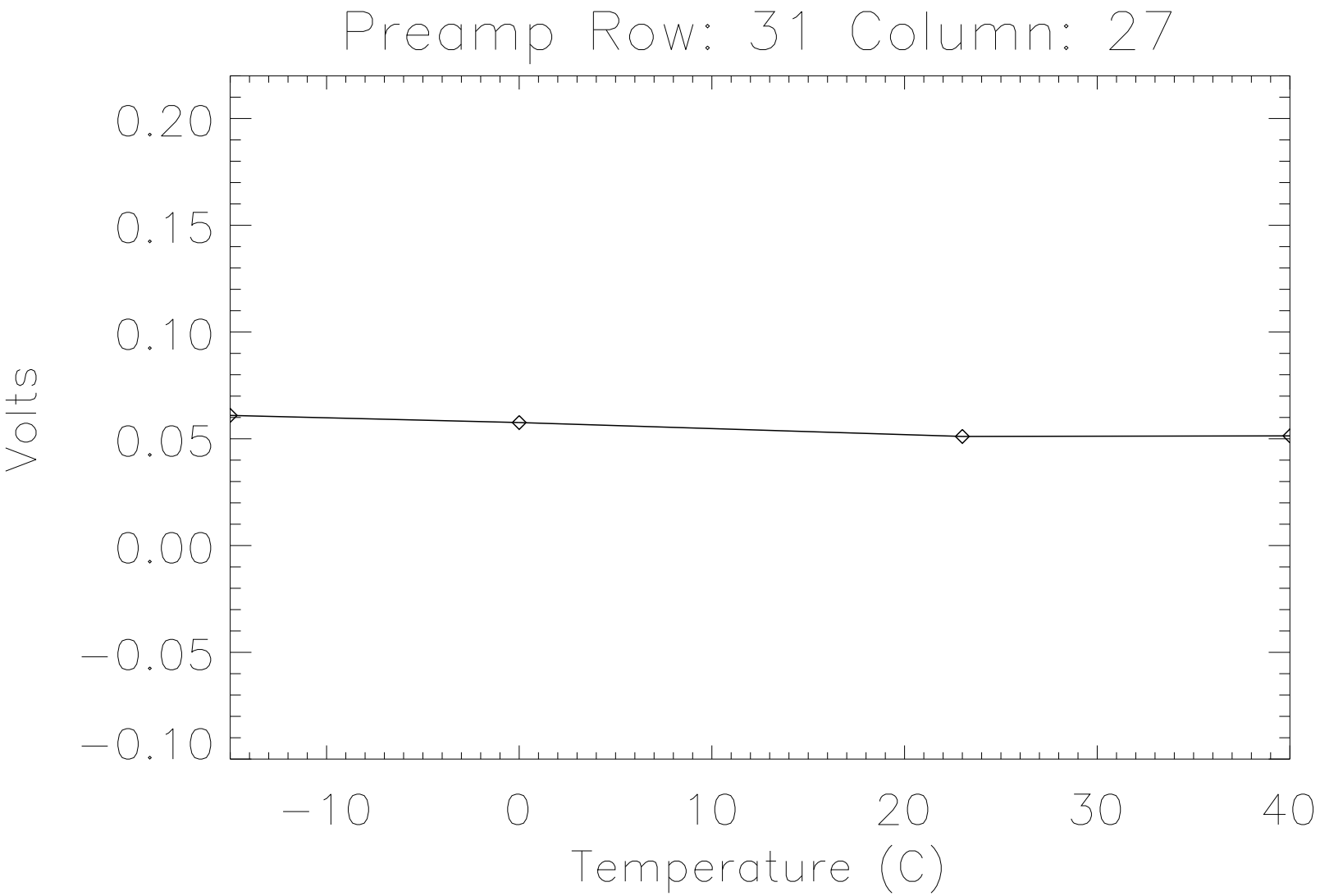

Shaper Row: 31 Column: 25
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

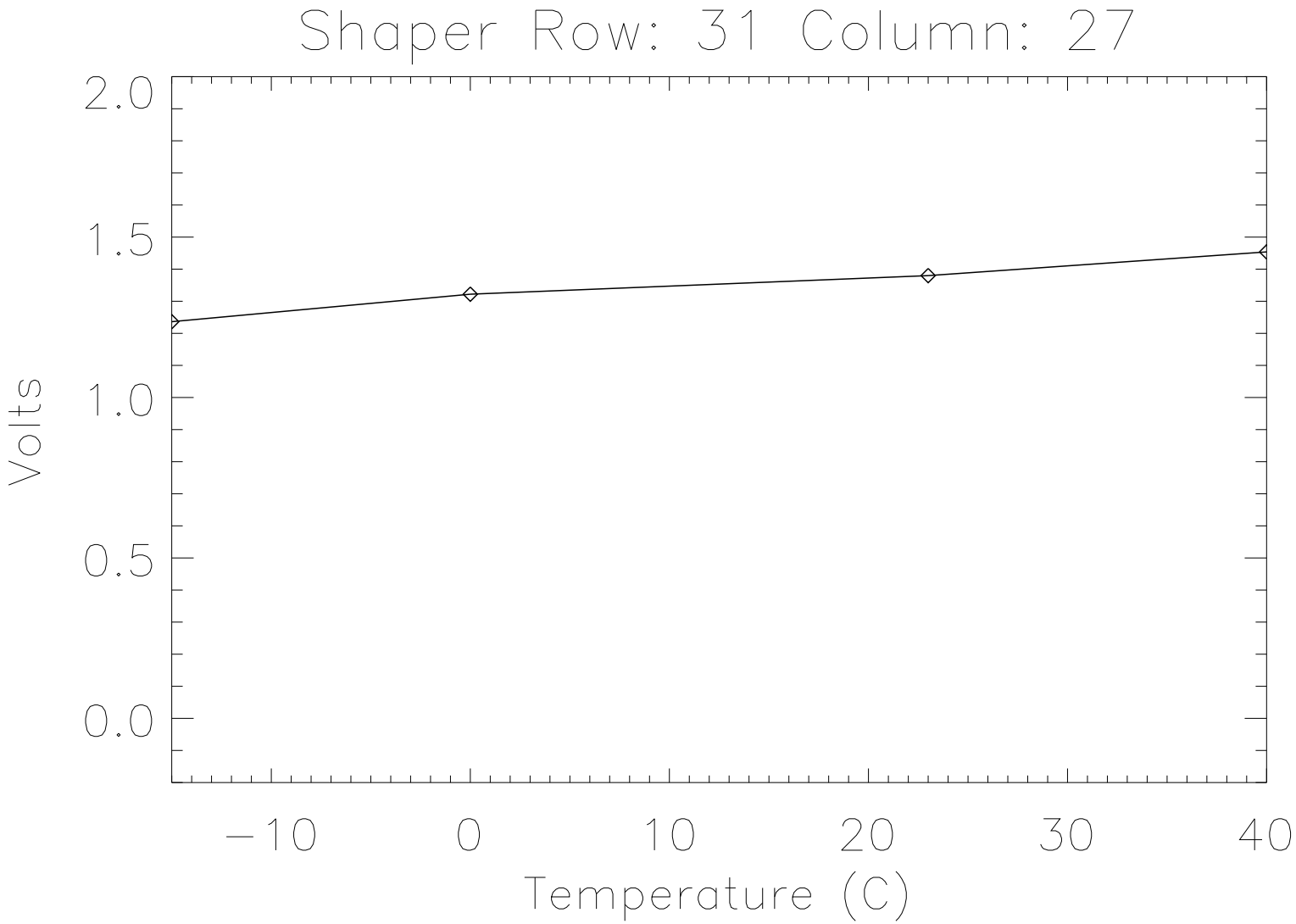

Leakage Row: 31 Column: 26
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

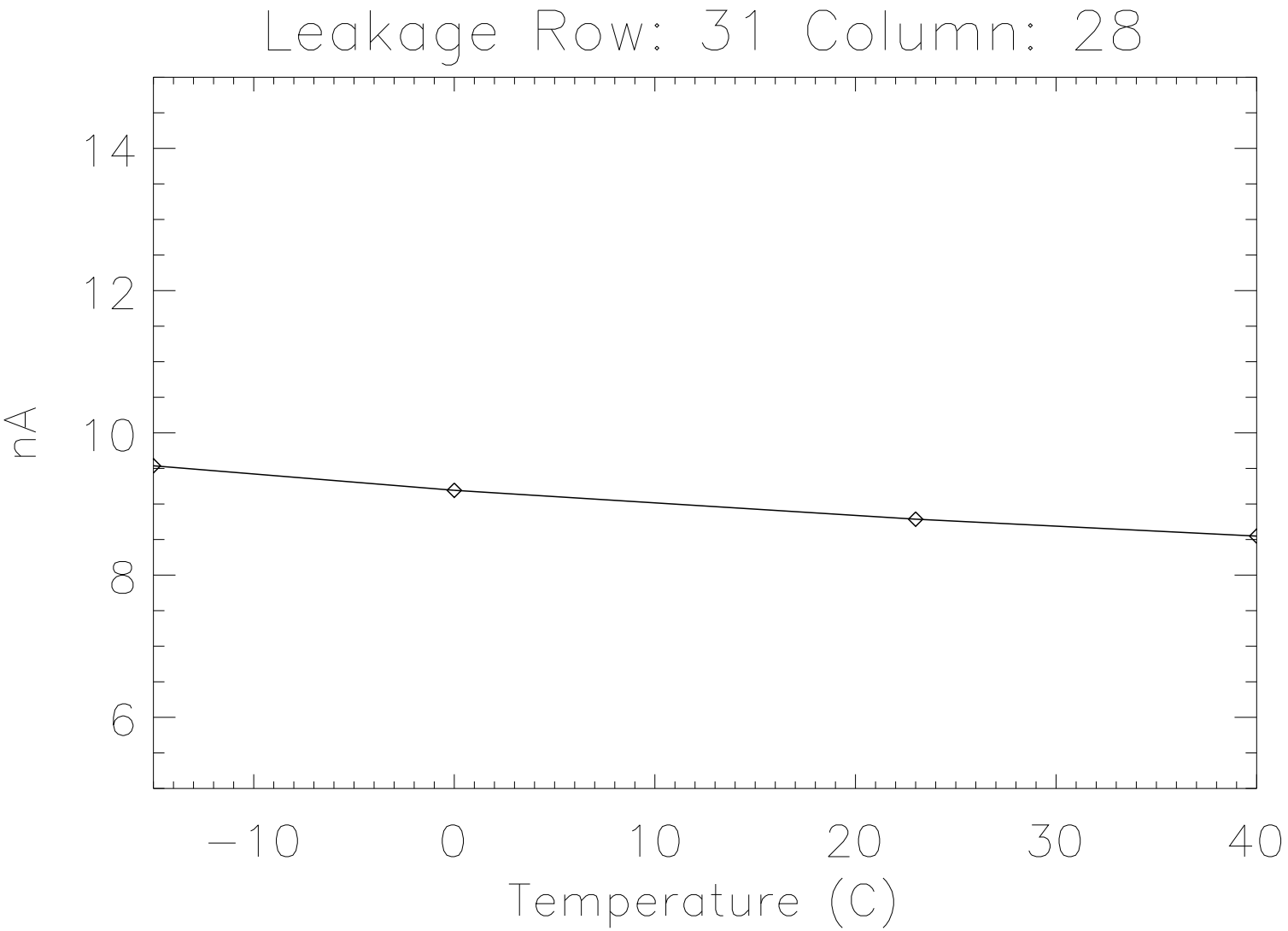

Preamp Row: 31 Column: 26
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

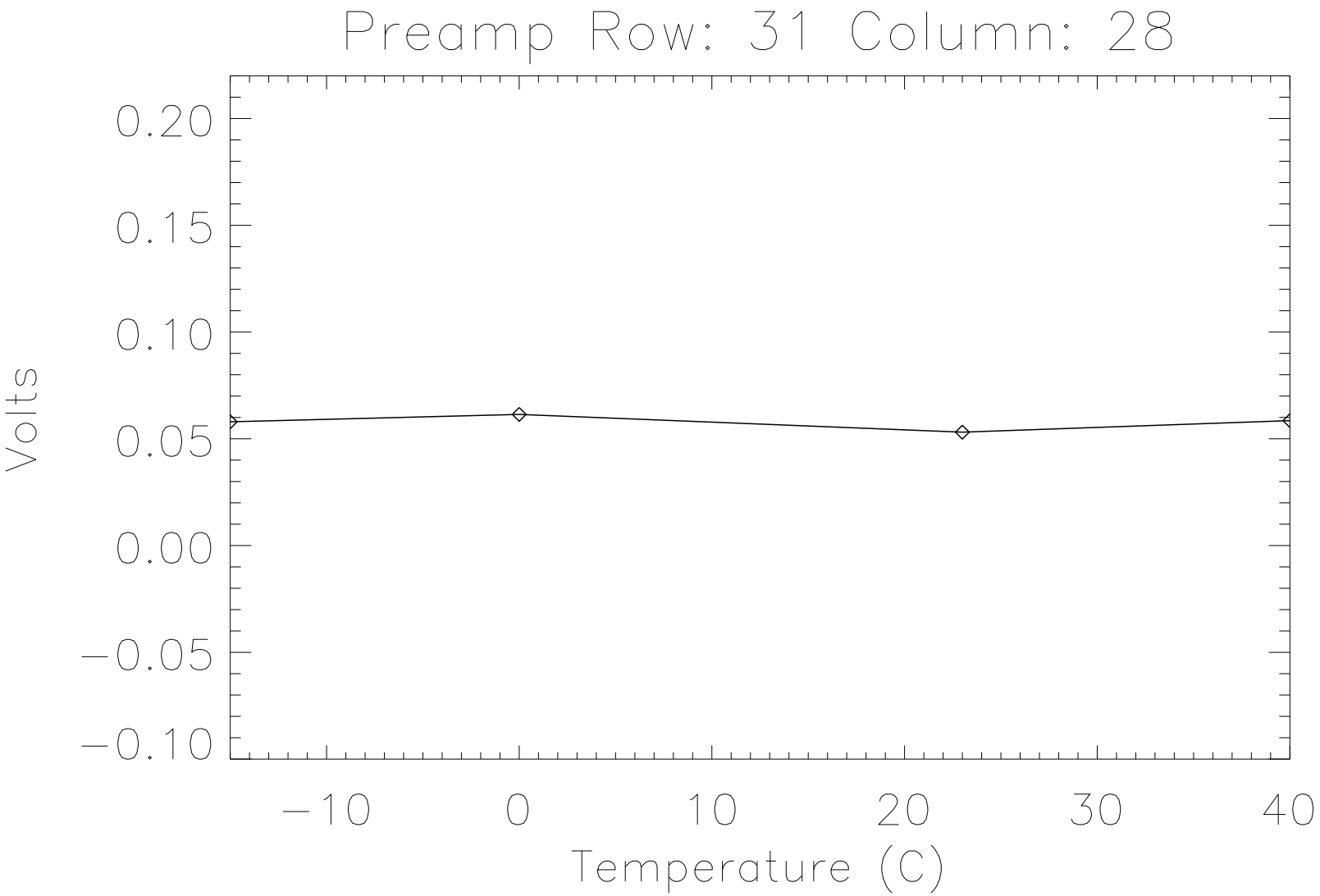

Shaper Row: 31 Column: 26
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

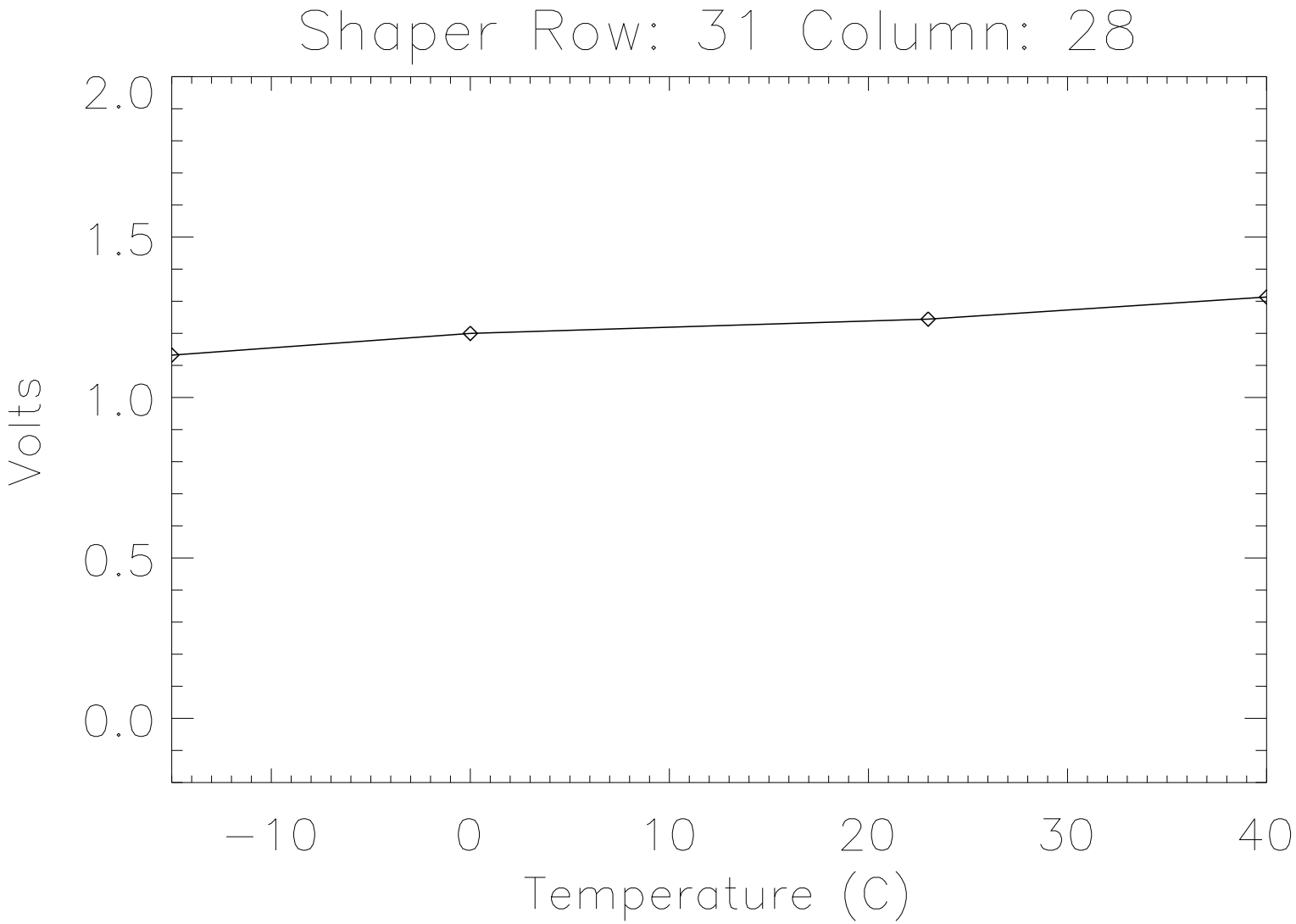

Leakage Row: 31 Column: 27
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

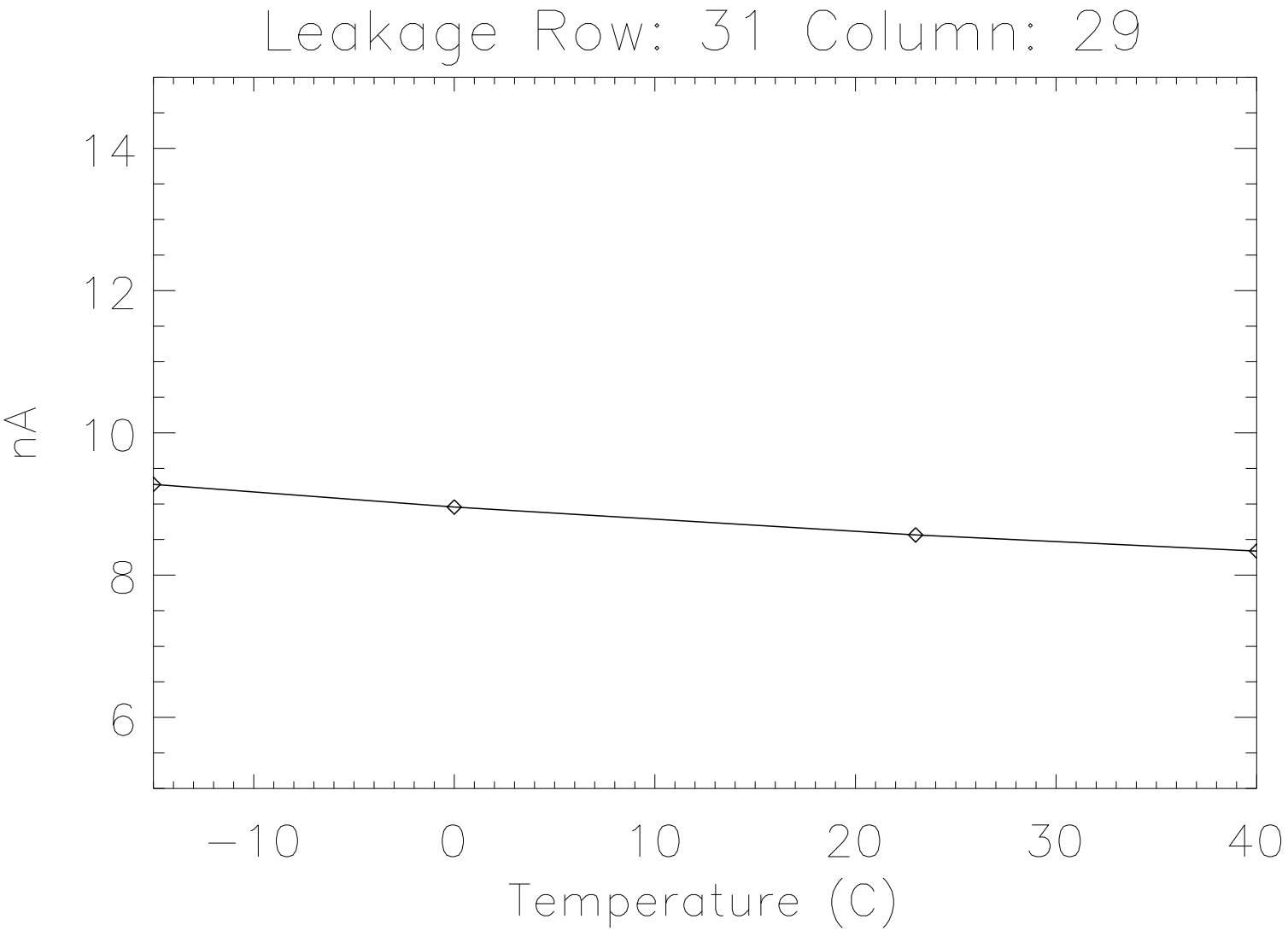

Preamp Row: 31 Column: 27
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

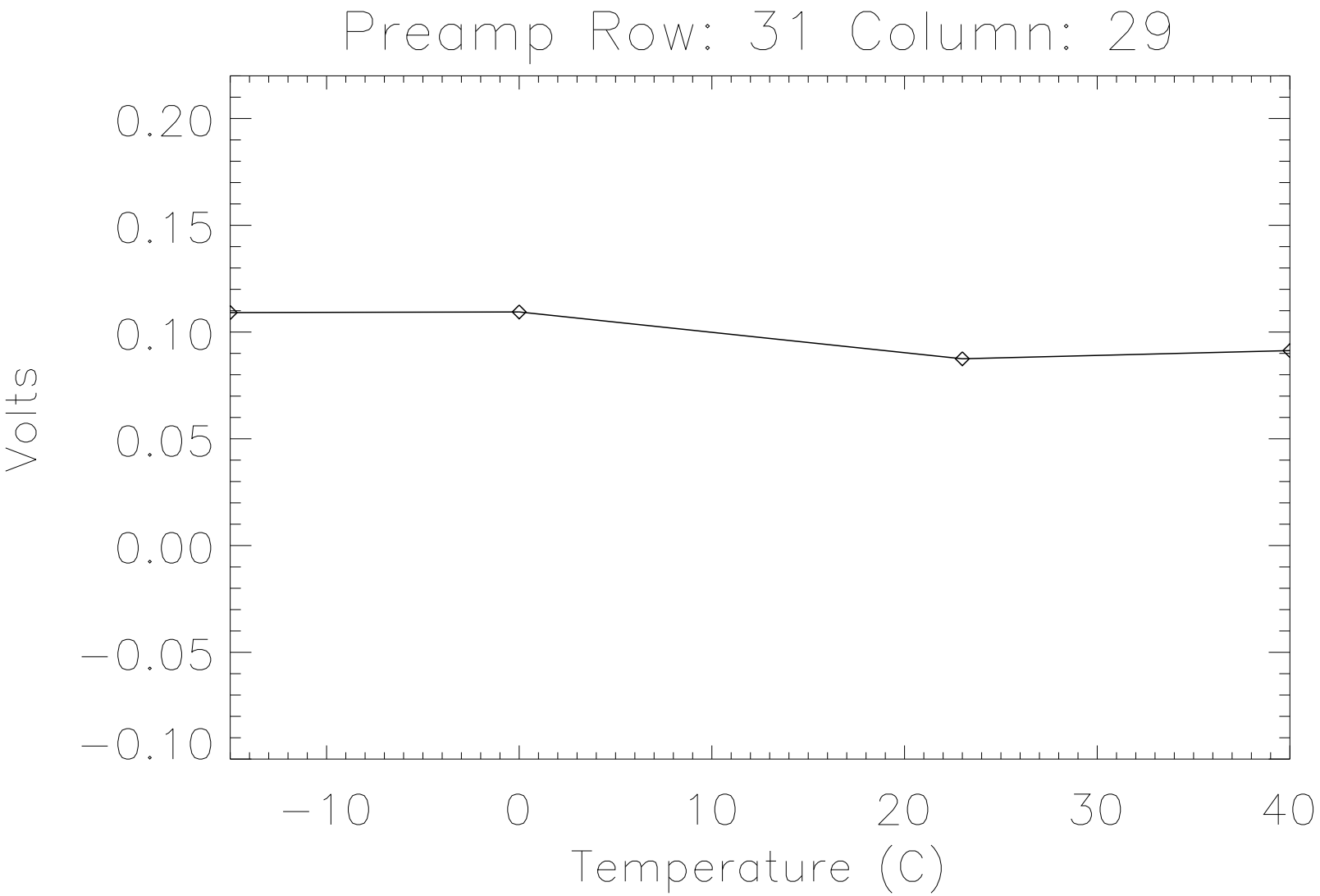

Shaper Row: 31 Column: 27
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

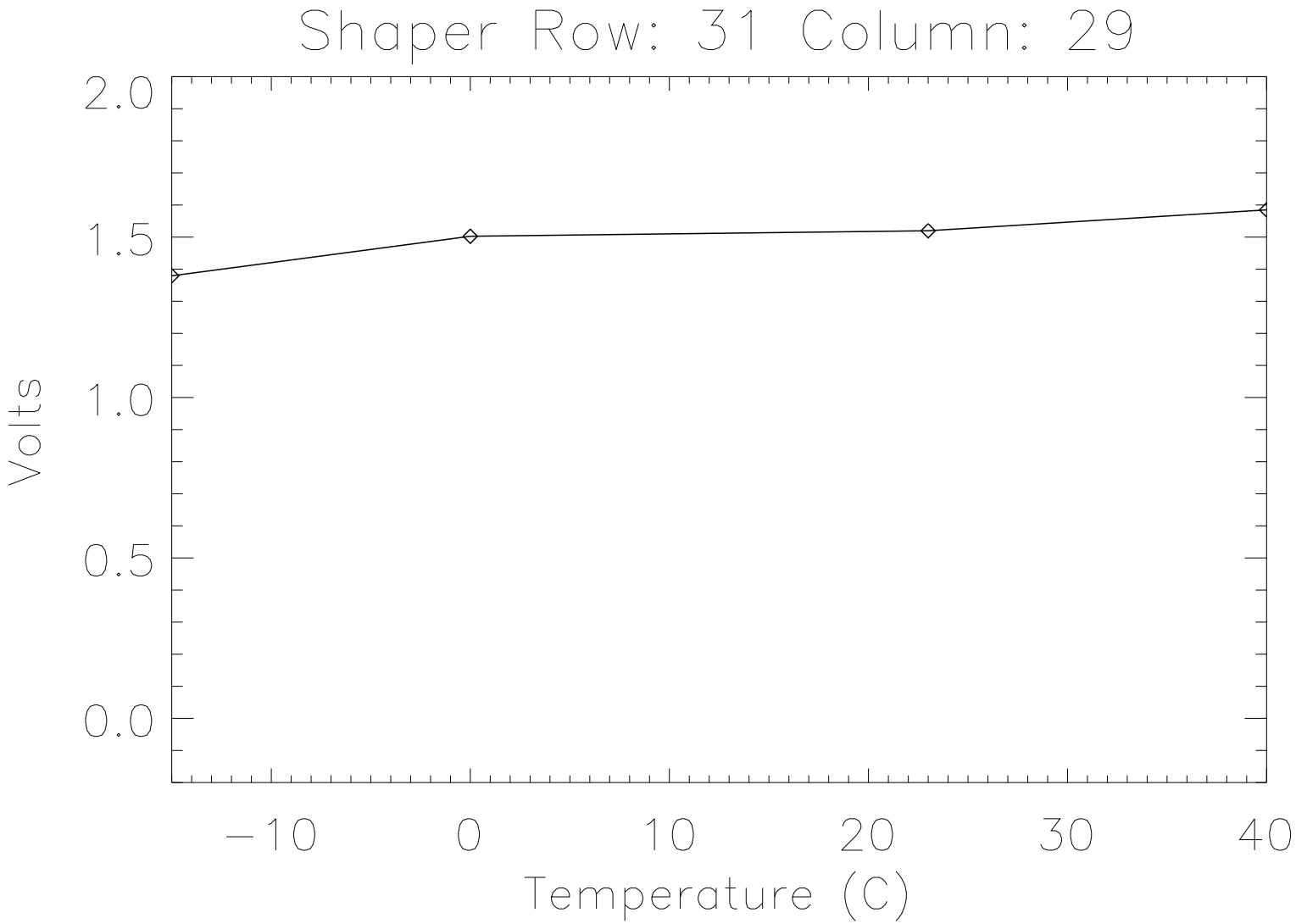

Leakage Row: 31 Column: 28
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

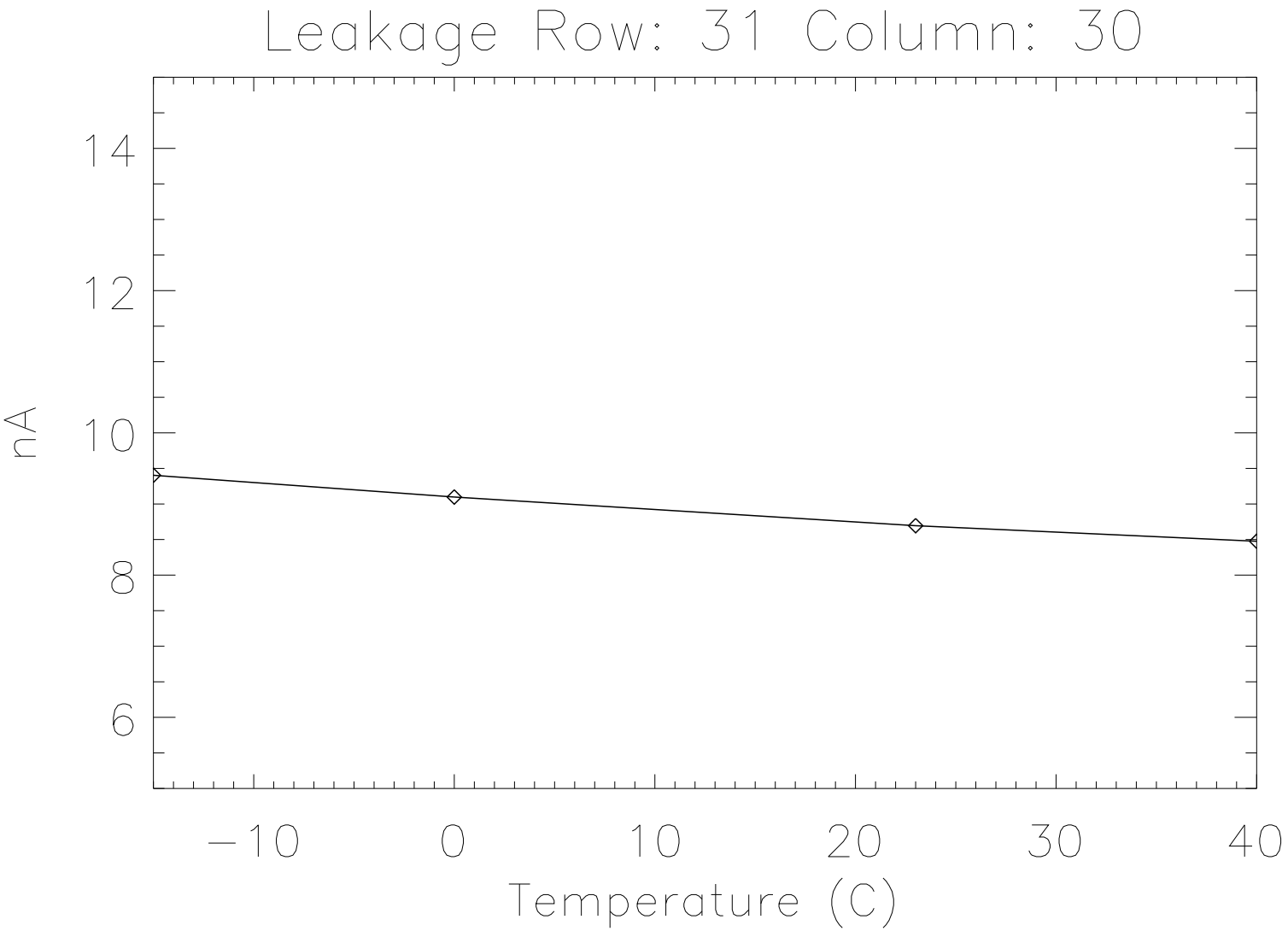

Preamp Row: 31 Column: 28
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

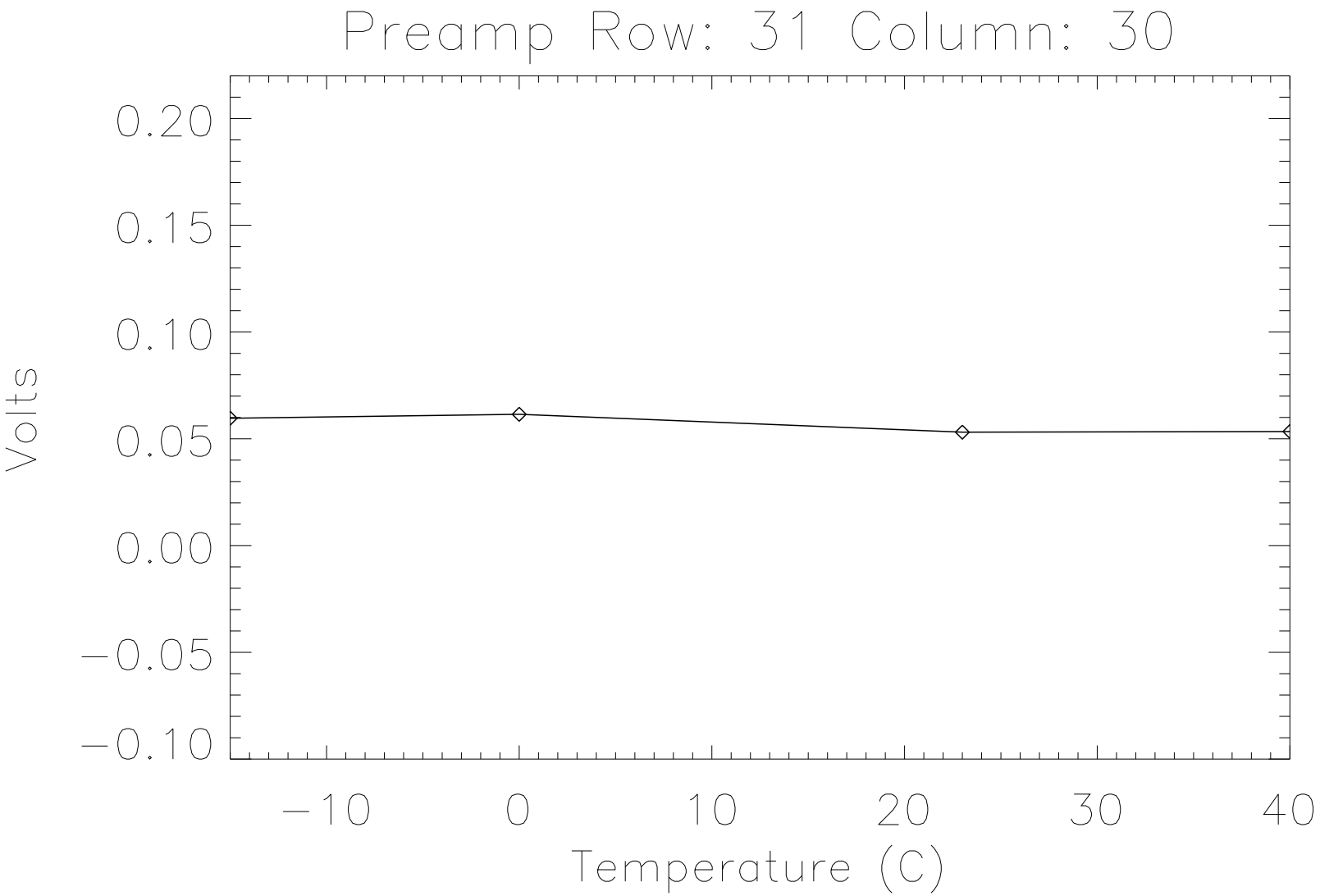

Shaper Row: 31 Column: 28
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

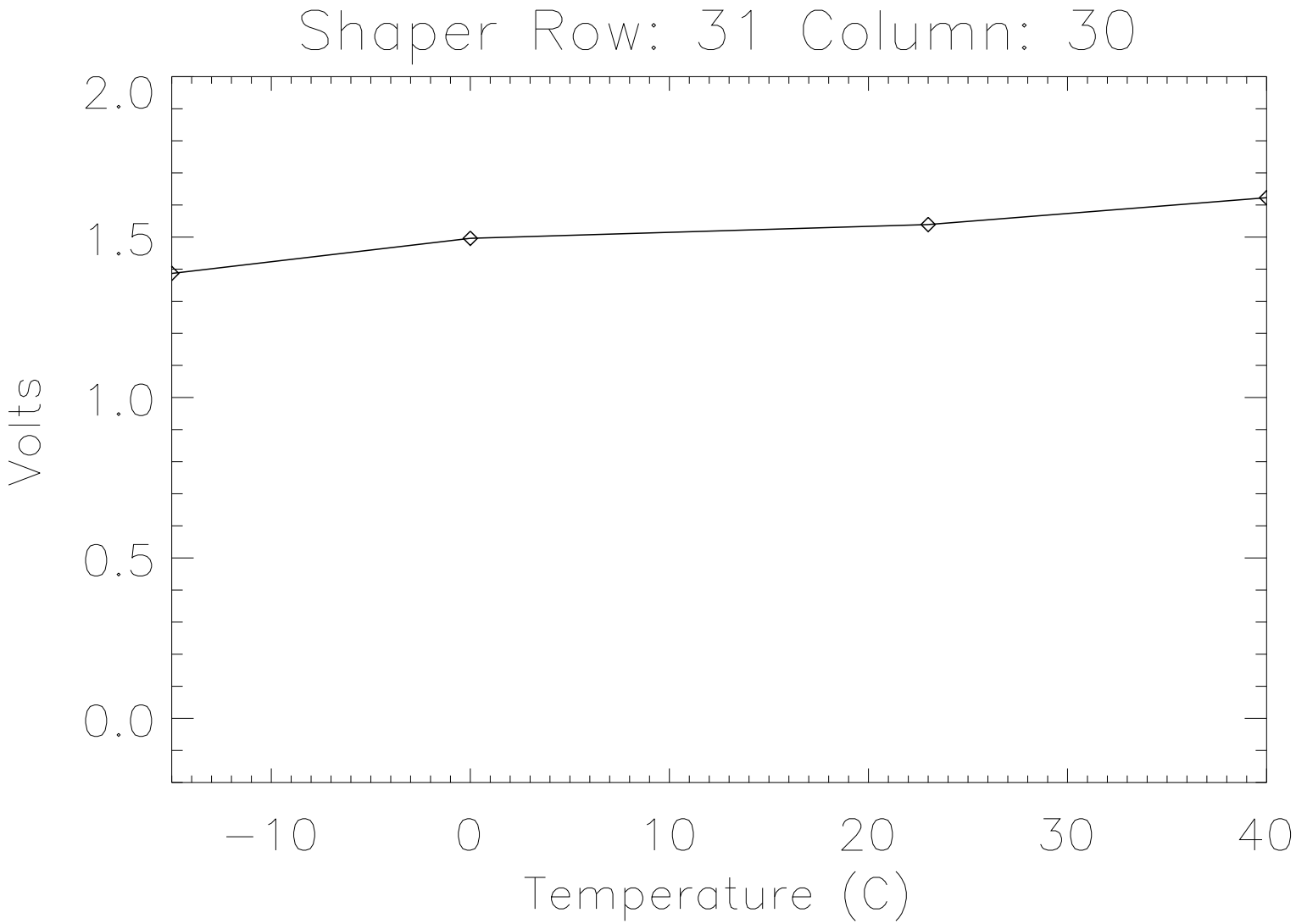

Leakage Row: 31 Column: 29
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)

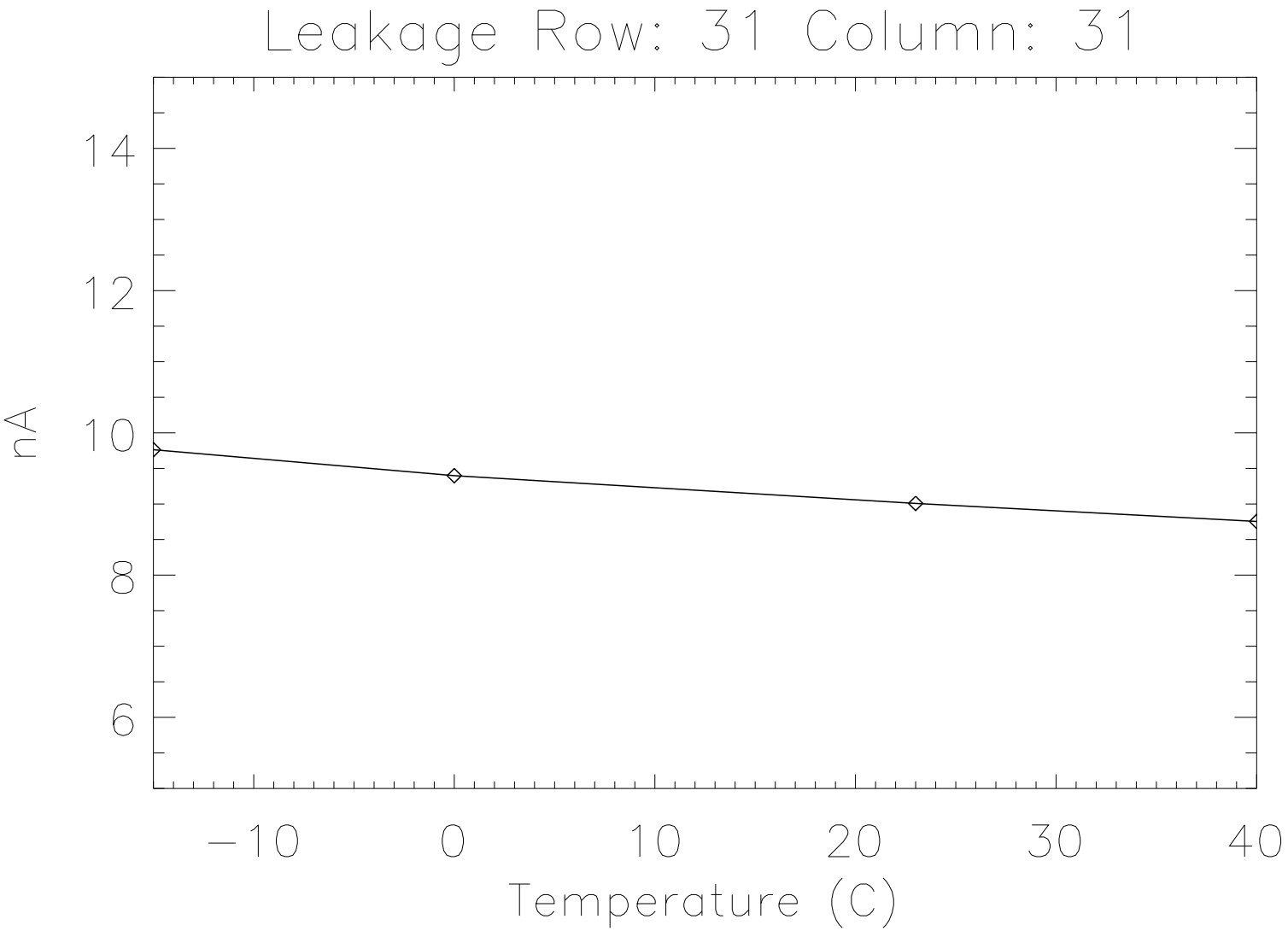

Preamp Row: 31 Column: 29
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)

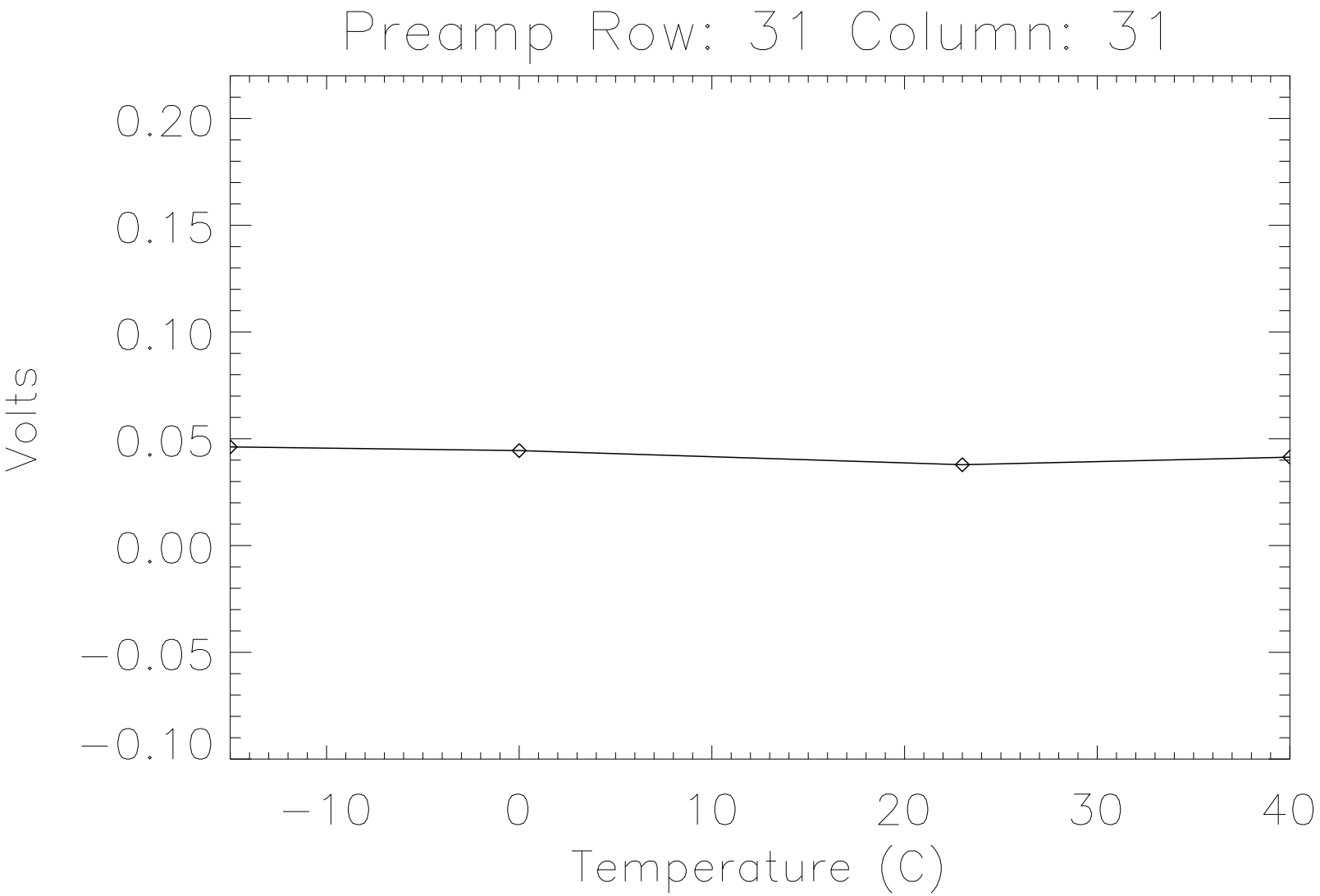

Shaper Row: 31 Column: 29
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)

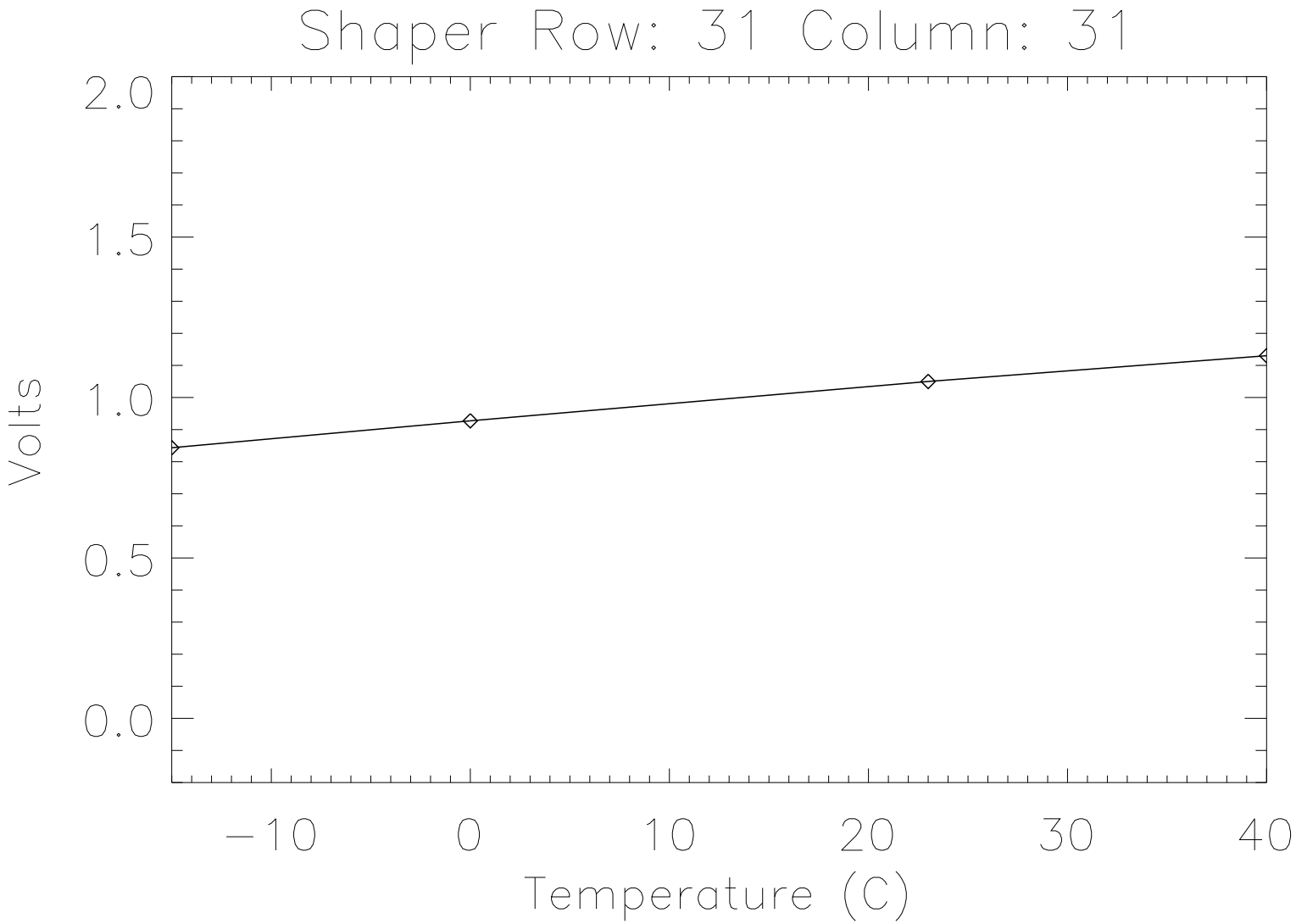

Leakage Row: 31 Column: 30
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 31 Column: 30
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 31 Column: 30
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)


Leakage Row: 31 Column: 31
nA
14
12
10
8
6
−10
0
10
20
30
40
Temperature (C)


Preamp Row: 31 Column: 31
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
Volts
−10
0
10
20
30
40
Temperature (C)


Shaper Row: 31 Column: 31
2.0
1.5
1.0
0.5
0.0
Volts
−10
0
10
20
30
40
Temperature (C)