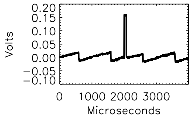
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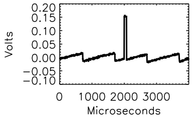
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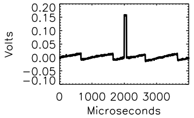
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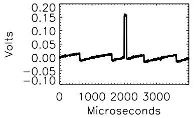
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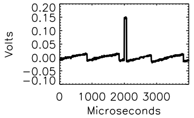
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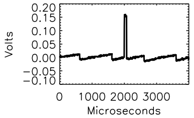
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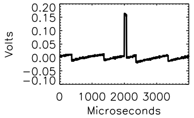
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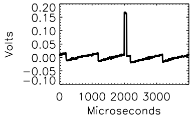
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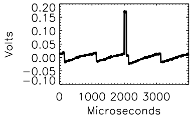
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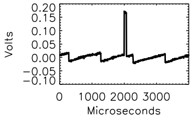
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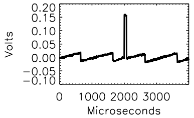
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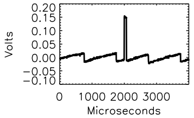
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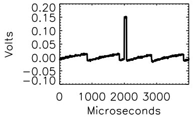
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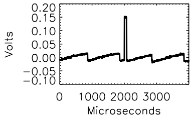
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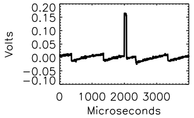
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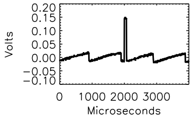
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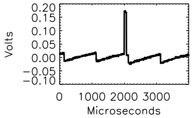
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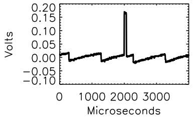
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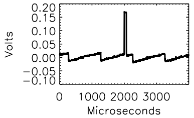
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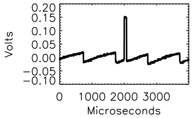
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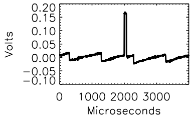
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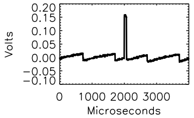
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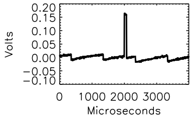
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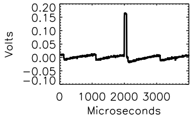
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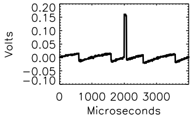
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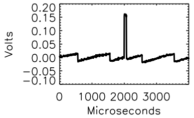
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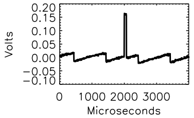
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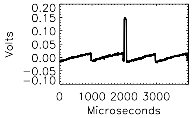
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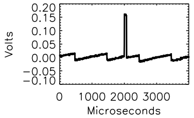
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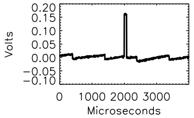
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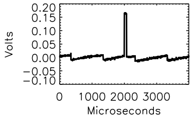
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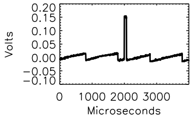
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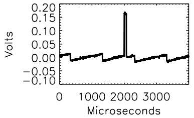
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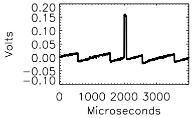
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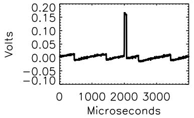
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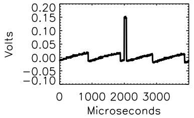
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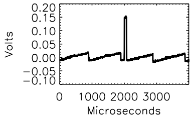
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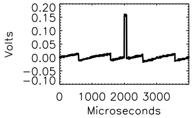
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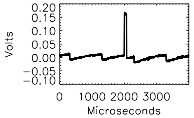
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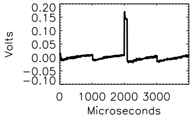
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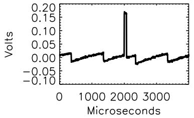
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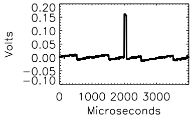
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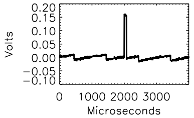
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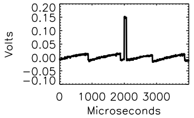
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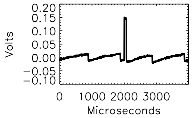
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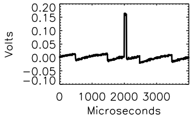
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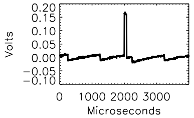
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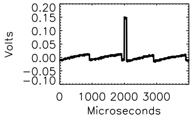
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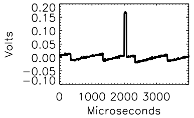
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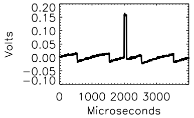
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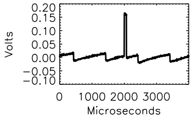
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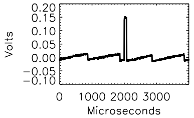
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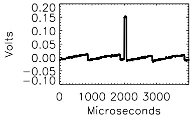
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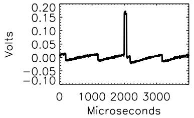
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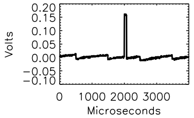
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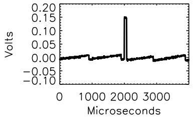
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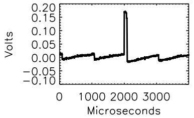
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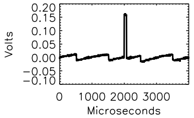
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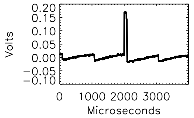
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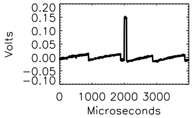
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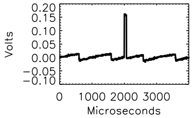
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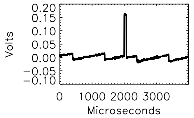
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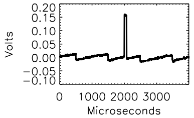
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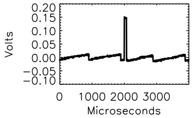
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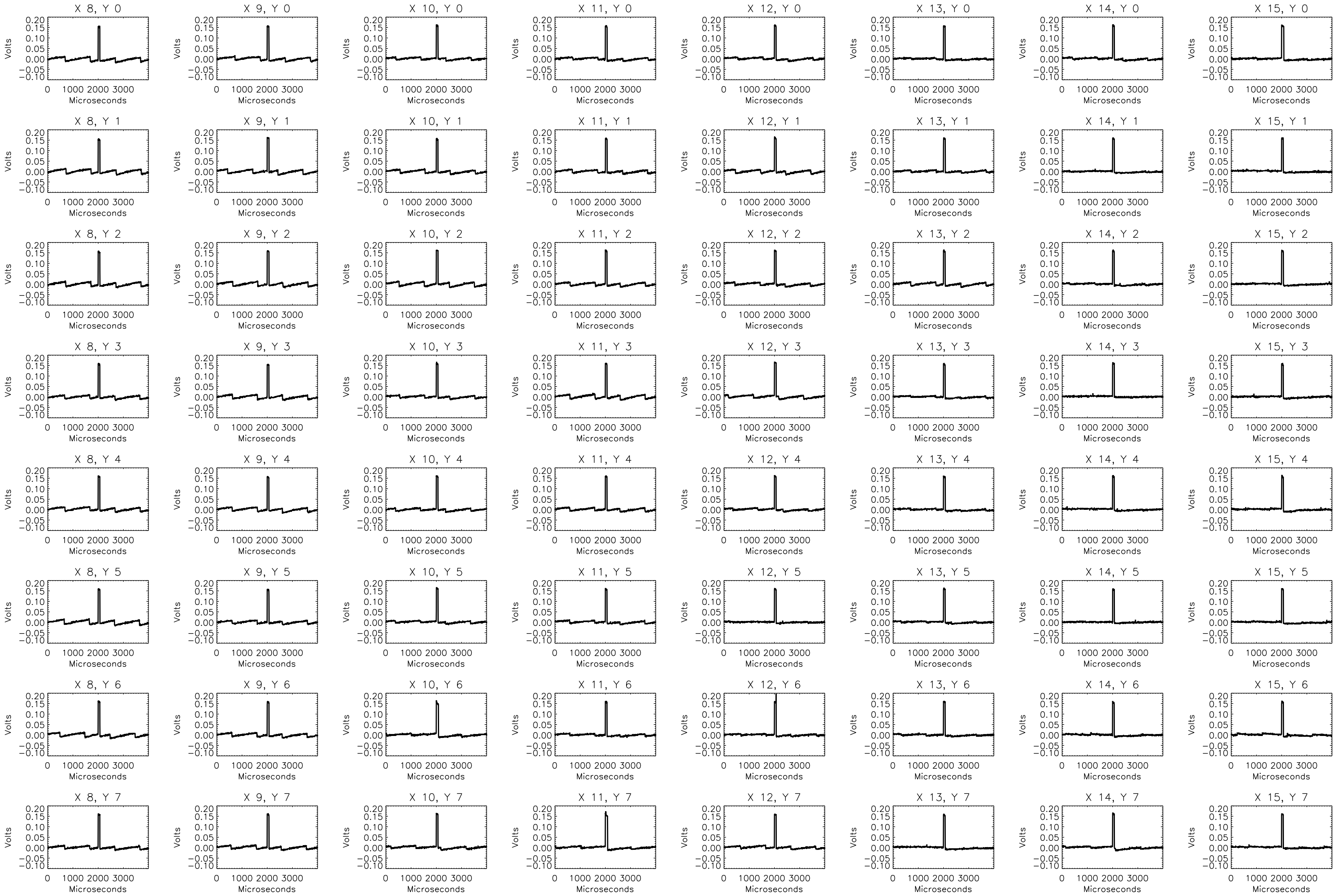
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X 14, Y 7
X 15, Y 7
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1000
2000
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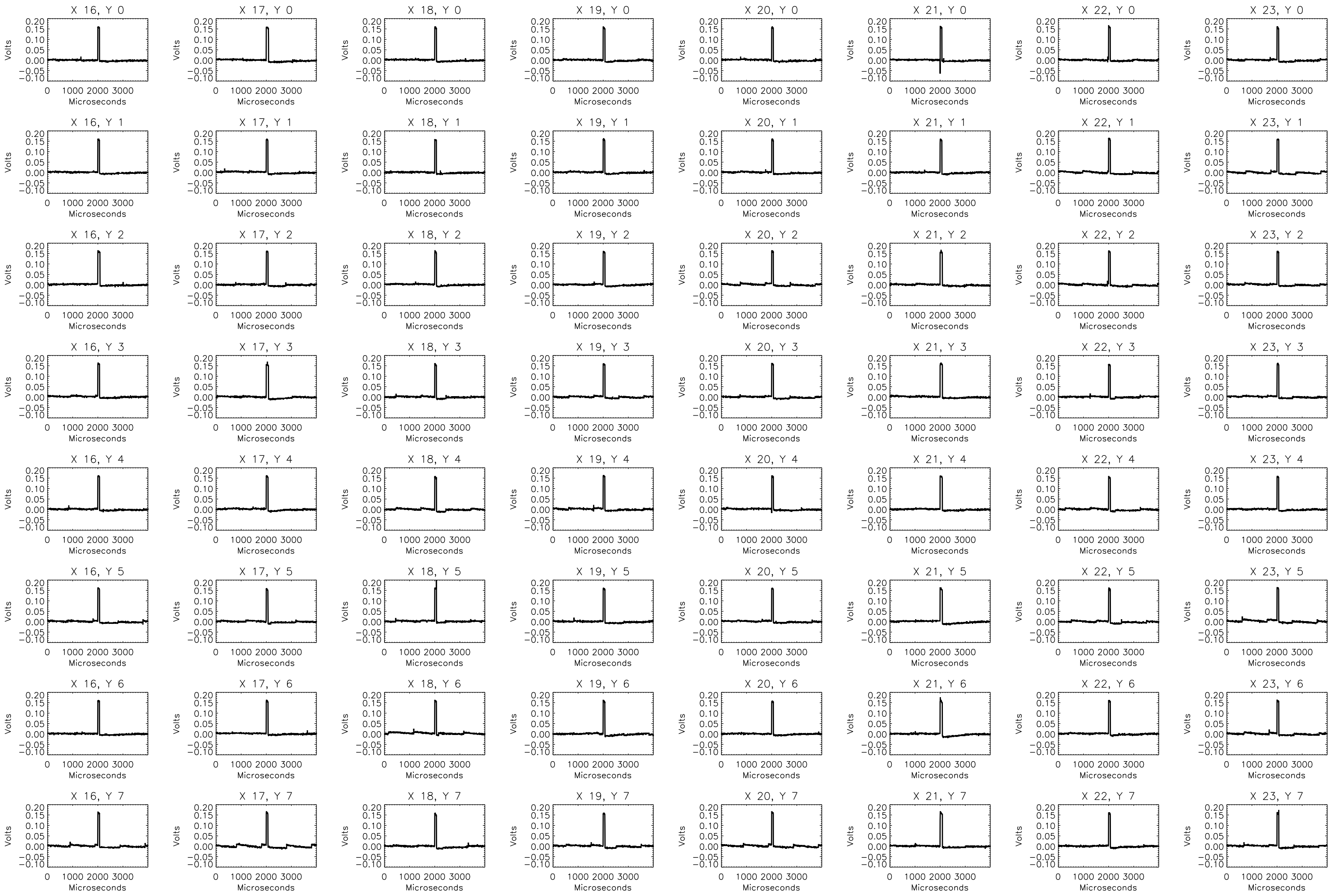
Microseconds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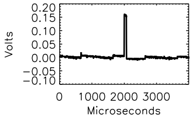
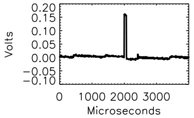
X 23, Y 2
X 16, Y 3
X 17, Y 3
X 18, Y 3
X 19, Y 3
X 20, Y 3
X 21, Y 3
X 22, Y 3
X 23, Y 3
X 16, Y 4
X 17, Y 4
X 18, Y 4
X 19, Y 4
X 20, Y 4
X 21, Y 4
X 22, Y 4
X 23, Y 4
X 16, Y 5
X 17, Y 5
X 18, Y 5
X 19, Y 5
X 20, Y 5
X 21, Y 5
X 22, Y 5
X 23, Y 5
X 16, Y 6
X 17, Y 6
X 18, Y 6
X 19, Y 6
X 20, Y 6
X 21, Y 6
X 22, Y 6
X 23, Y 6
X 16, Y 7
X 17, Y 7
X 18, Y 7
X 19, Y 7
X 20, Y 7
X 21, Y 7
X 22, Y 7
X 23, Y 7
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
0
1000 2000 3000
Microseconds

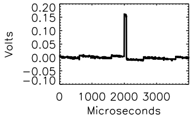
X 24, Y 0



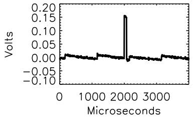
X 25, Y 0



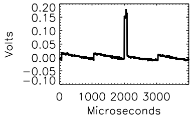
X 26, Y 0



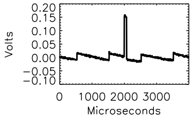
X 27, Y 0



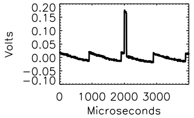
X 28, Y 0



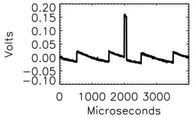
X 29, Y 0



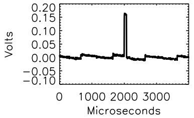
X 30, Y 0



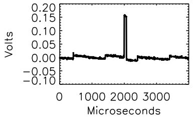
X 31, Y 0



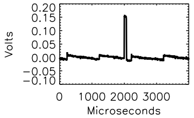
X 24, Y 1



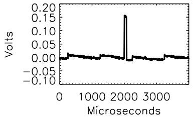
X 25, Y 1



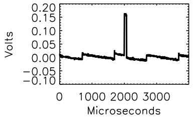
X 26, Y 1



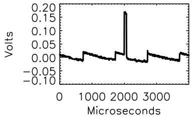
X 27, Y 1



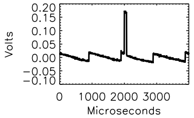
X 28, Y 1



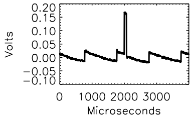
X 29, Y 1



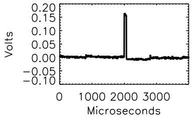
X 30, Y 1



X 31, Y 1



X 24, Y 2



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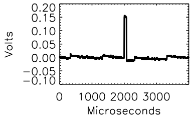
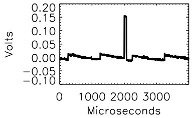
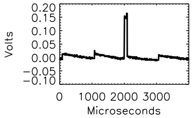


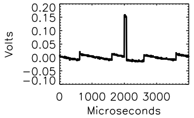
X 26, Y 2



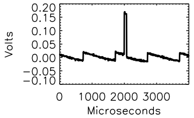
X 27, Y 2



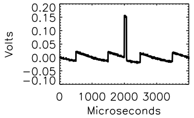
X 28, Y 2



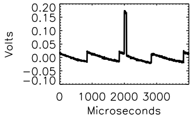
X 29, Y 2



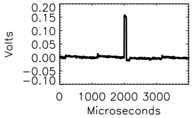
X 30, Y 2



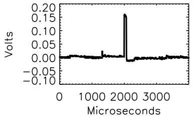
X 31, Y 2



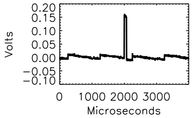
X 24, Y 3



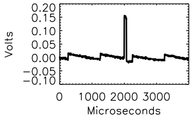
X 25, Y 3



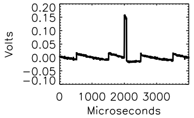
X 26, Y 3



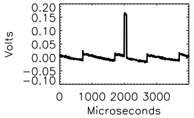
X 27, Y 3



X 28, Y 3



X 29, Y 3



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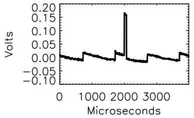
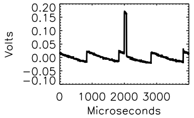
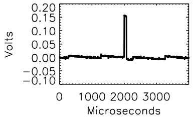


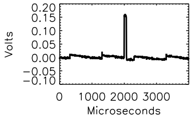
X 31, Y 3



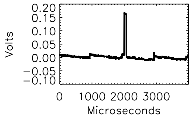
X 24, Y 4



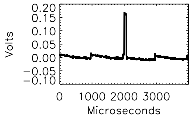
X 25, Y 4



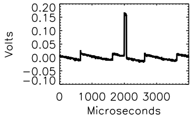
X 26, Y 4



X 27, Y 4



X 28, Y 4



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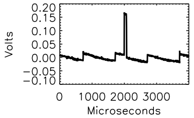
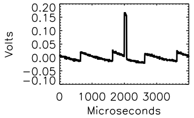
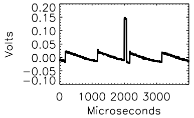


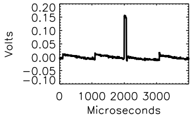
X 30, Y 4



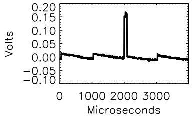
X 31, Y 4



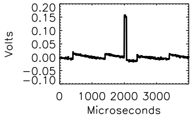
X 24, Y 5



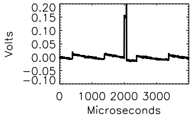
X 25, Y 5



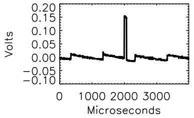
X 26, Y 5



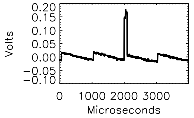
X 27, Y 5



X 28, Y 5



X 29, Y 5



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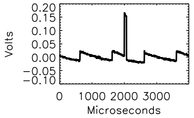

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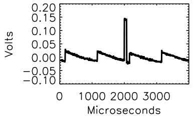
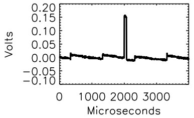
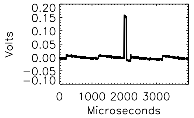


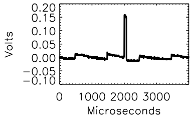
X 24, Y 6



X 25, Y 6



X 26, Y 6



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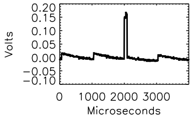

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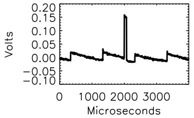

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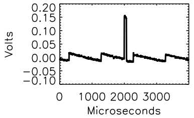
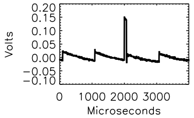


X 30, Y 6



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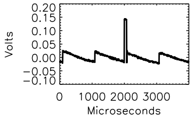
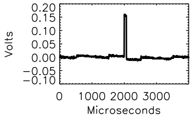
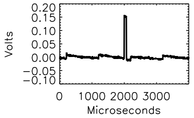


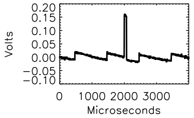
X 24, Y 7



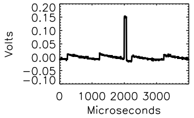
X 25, Y 7



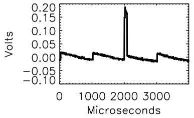
X 26, Y 7



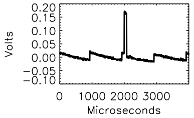
X 27, Y 7



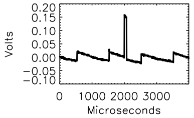
X 28, Y 7



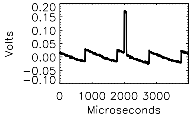
X 29, Y 7

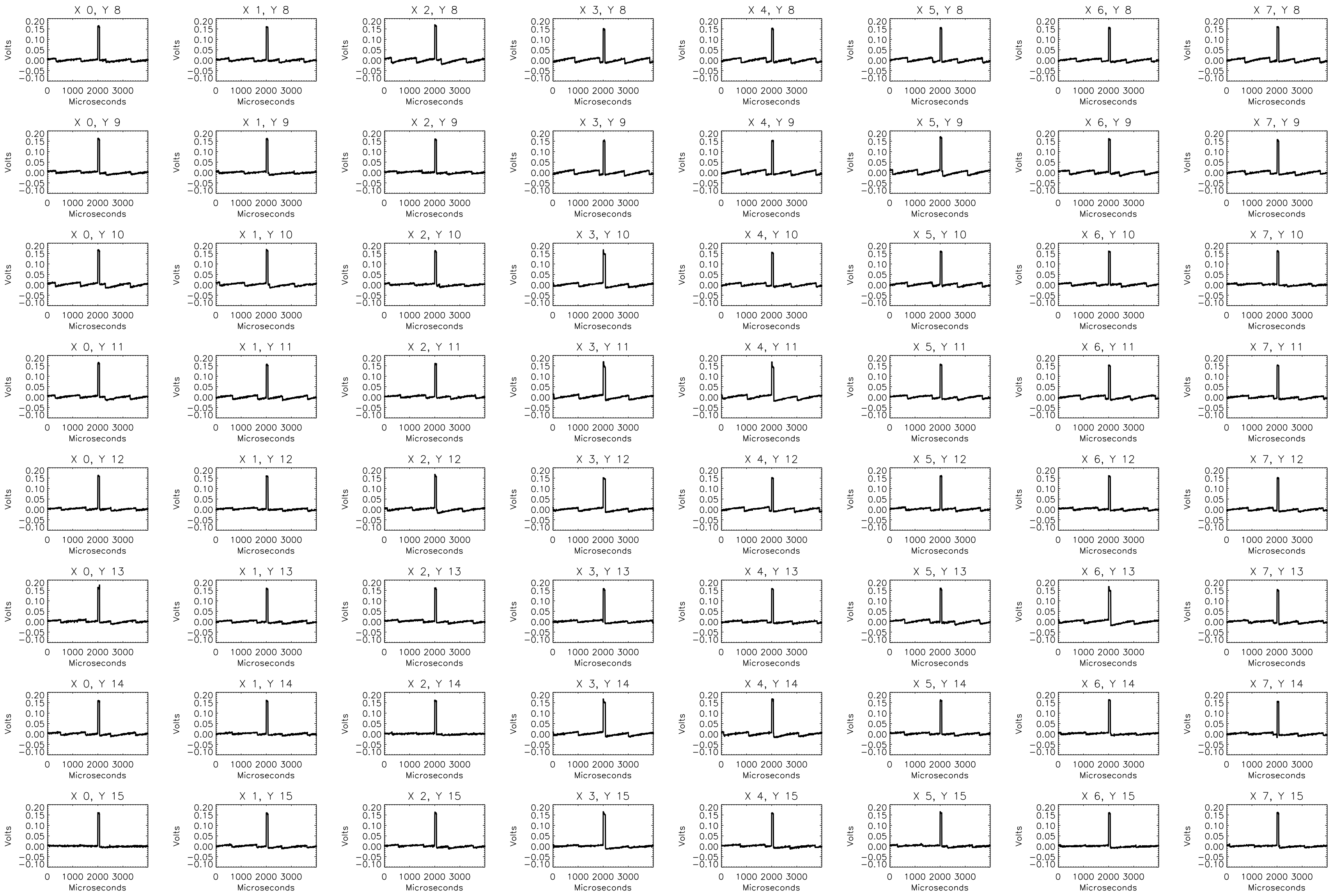


X 30, Y 7



X 31, Y 7

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X 1, Y 8
X 2, Y 8
X 3, Y 8
X 4, Y 8
X 5, Y 8
X 6, Y 8
X 7, Y 8
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X 1, Y 9
X 2, Y 9
X 3, Y 9
X 4, Y 9
X 5, Y 9
X 6, Y 9
X 7, Y 9
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X 1, Y 10
X 2, Y 10
X 3, Y 10
X 4, Y 10
X 5, Y 10
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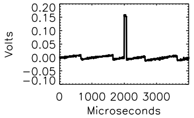
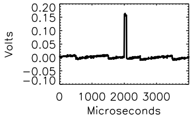
X 7, Y 14
X 0, Y 15
X 1, Y 15
X 2, Y 15
X 3, Y 15
X 4, Y 15
X 5, Y 15
X 6, Y 15
X 7, Y 15
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
0
1000
2000
3000
Microseconds

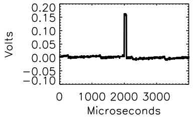
X 8, Y 8



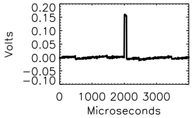
X 9, Y 8



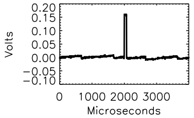
X 10, Y 8



X 11, Y 8



X 12, Y 8



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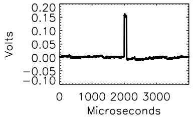
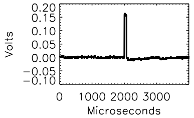
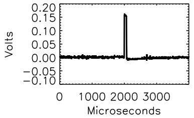


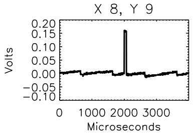
X 14, Y 8



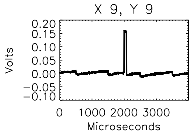
X 15, Y 8



X 8, Y 9



X 9, Y 9



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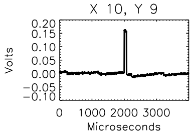

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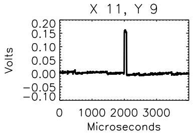
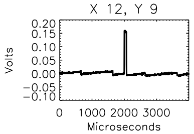


X 12, Y 9



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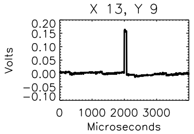

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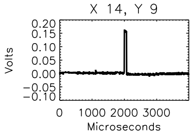
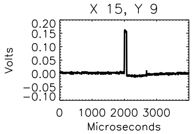
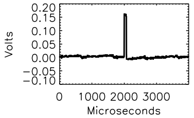


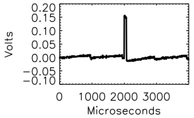
X 15, Y 9



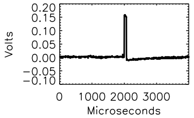
X 8, Y 10



X 9, Y 10



X 10, Y 10



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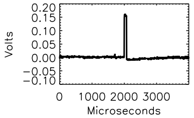
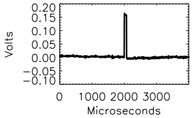
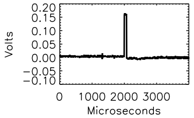


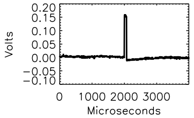
X 12, Y 10



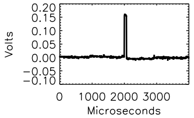
X 13, Y 10



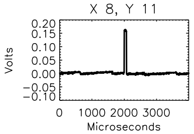
X 14, Y 10



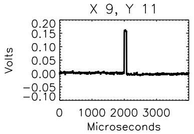
X 15, Y 10



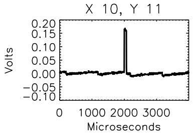
X 8, Y 11



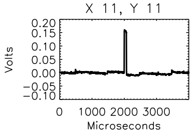
X 9, Y 11



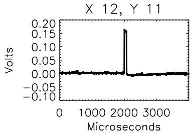
X 10, Y 11



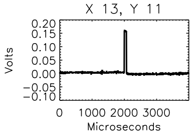
X 11, Y 11



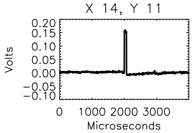
X 12, Y 11



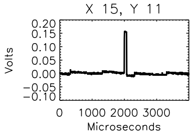
X 13, Y 11



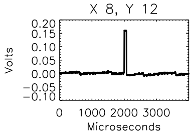
X 14, Y 11



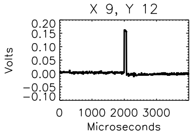
X 15, Y 11



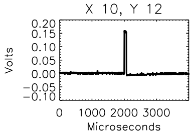
X 8, Y 12



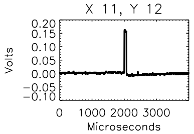
X 9, Y 12



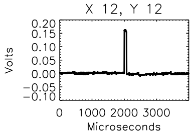
X 10, Y 12



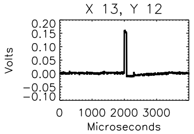
X 11, Y 12



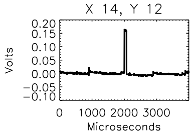
X 12, Y 12



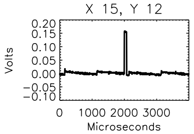
X 13, Y 12



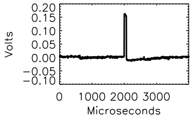
X 14, Y 12



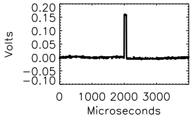
X 15, Y 12



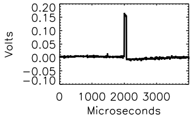
X 8, Y 13



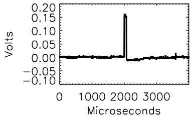
X 9, Y 13



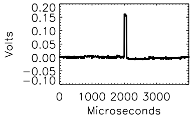
X 10, Y 13



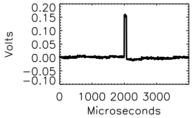
X 11, Y 13



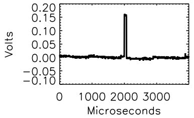
X 12, Y 13



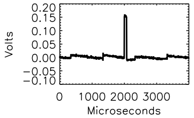
X 13, Y 13



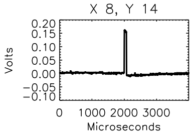
X 14, Y 13



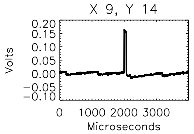
X 15, Y 13



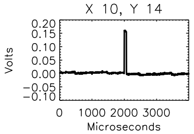
X 8, Y 14



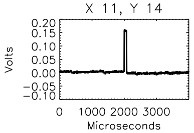
X 9, Y 14



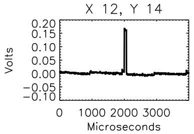
X 10, Y 14



X 11, Y 14



X 12, Y 14



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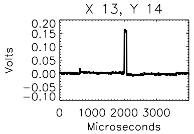
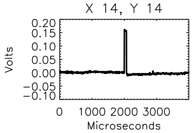
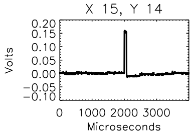


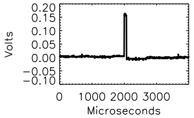
X 14, Y 14



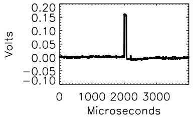
X 15, Y 14



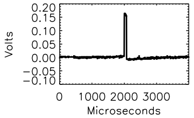
X 8, Y 15



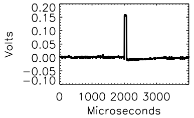
X 9, Y 15



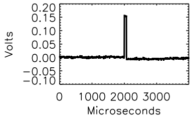
X 10, Y 15



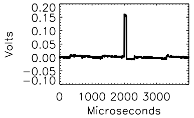
X 11, Y 15



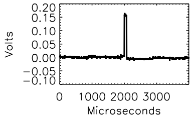
X 12, Y 15



X 13, Y 15



X 14, Y 15



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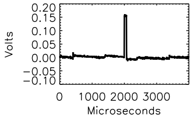

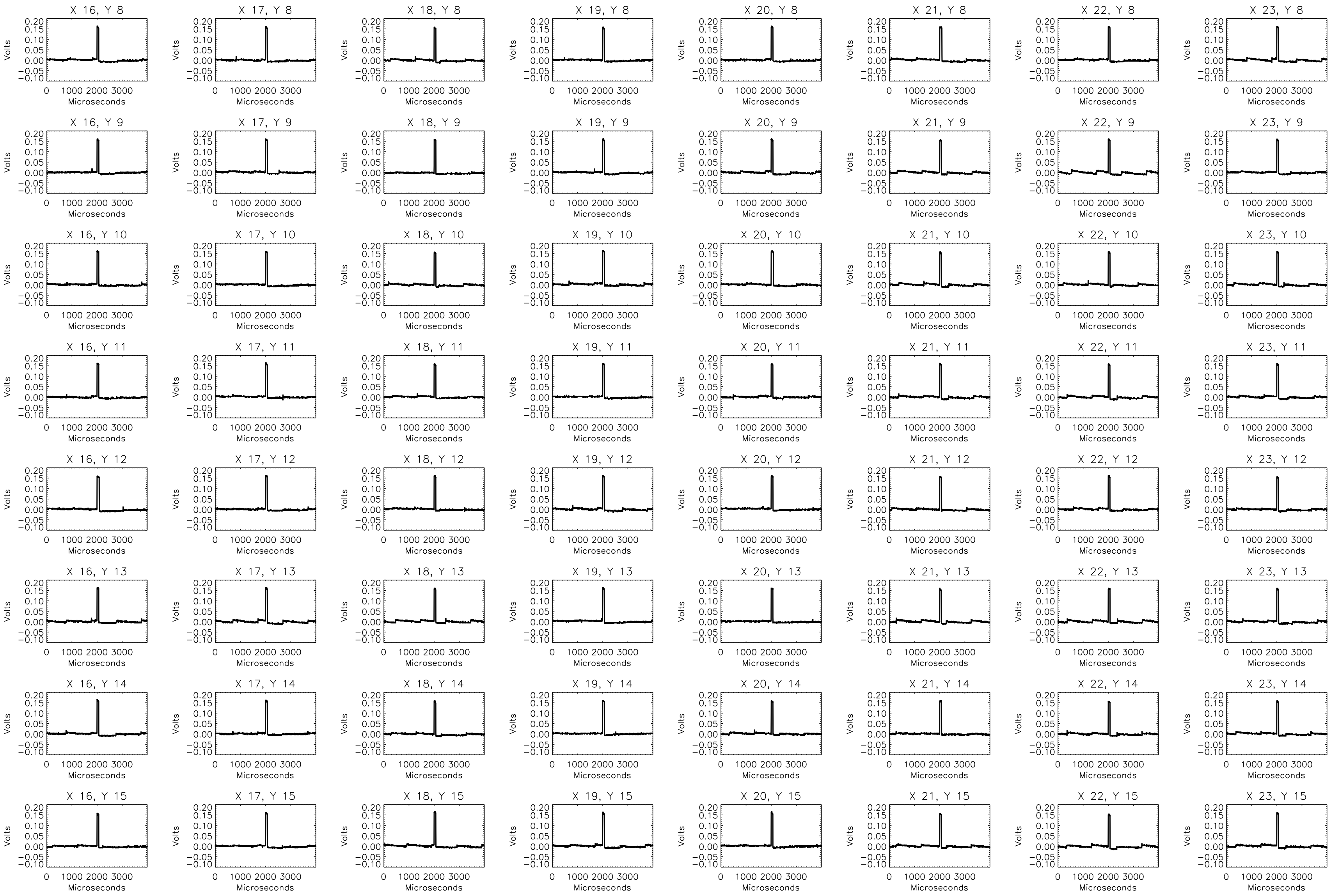
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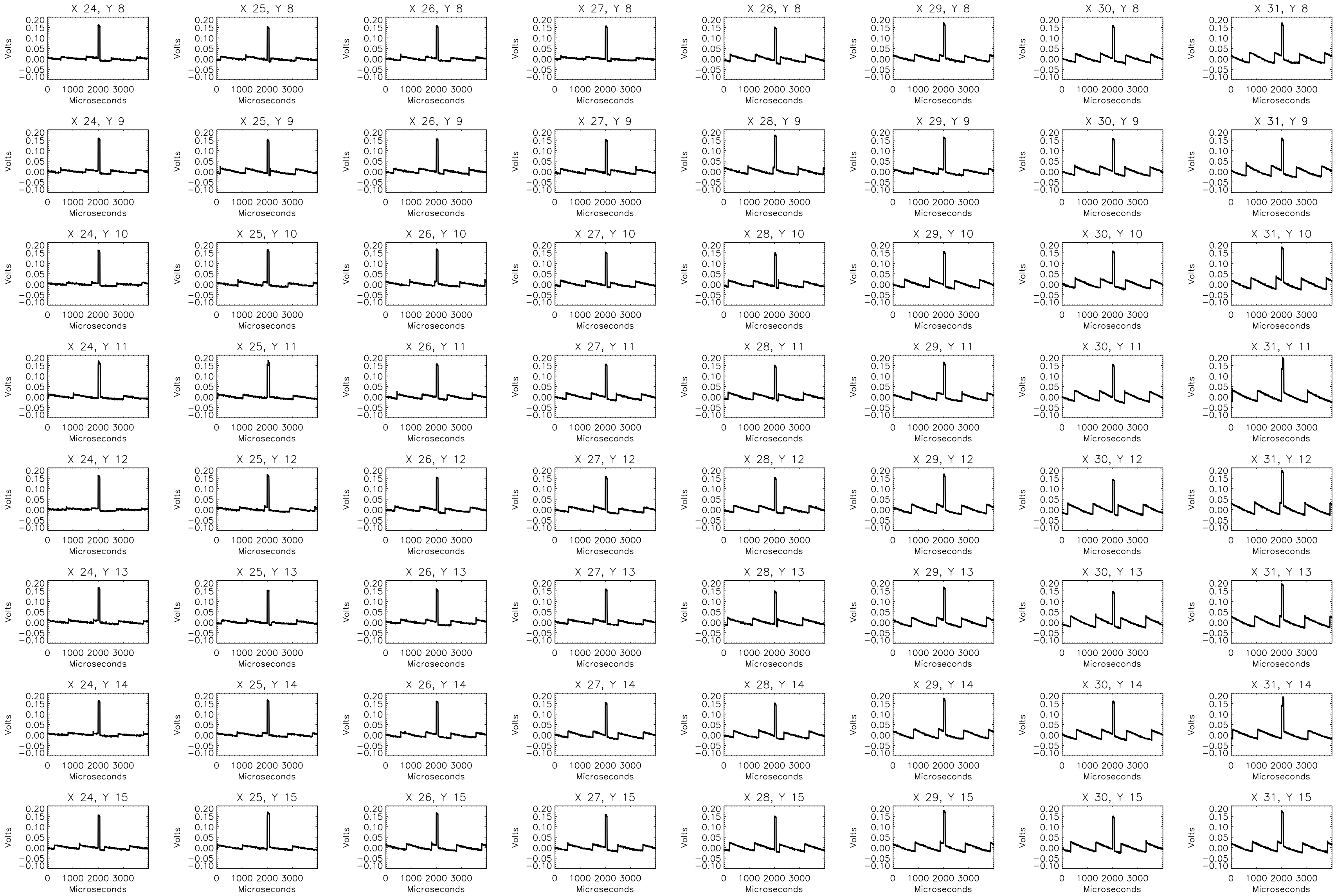
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X 30, Y 9
X 31, Y 9
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X 26, Y 11
X 27, Y 11
X 28, Y 11
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X 25, Y 15
X 26, Y 15
X 27, Y 15
X 28, Y 15
X 29, Y 15
X 30, Y 15
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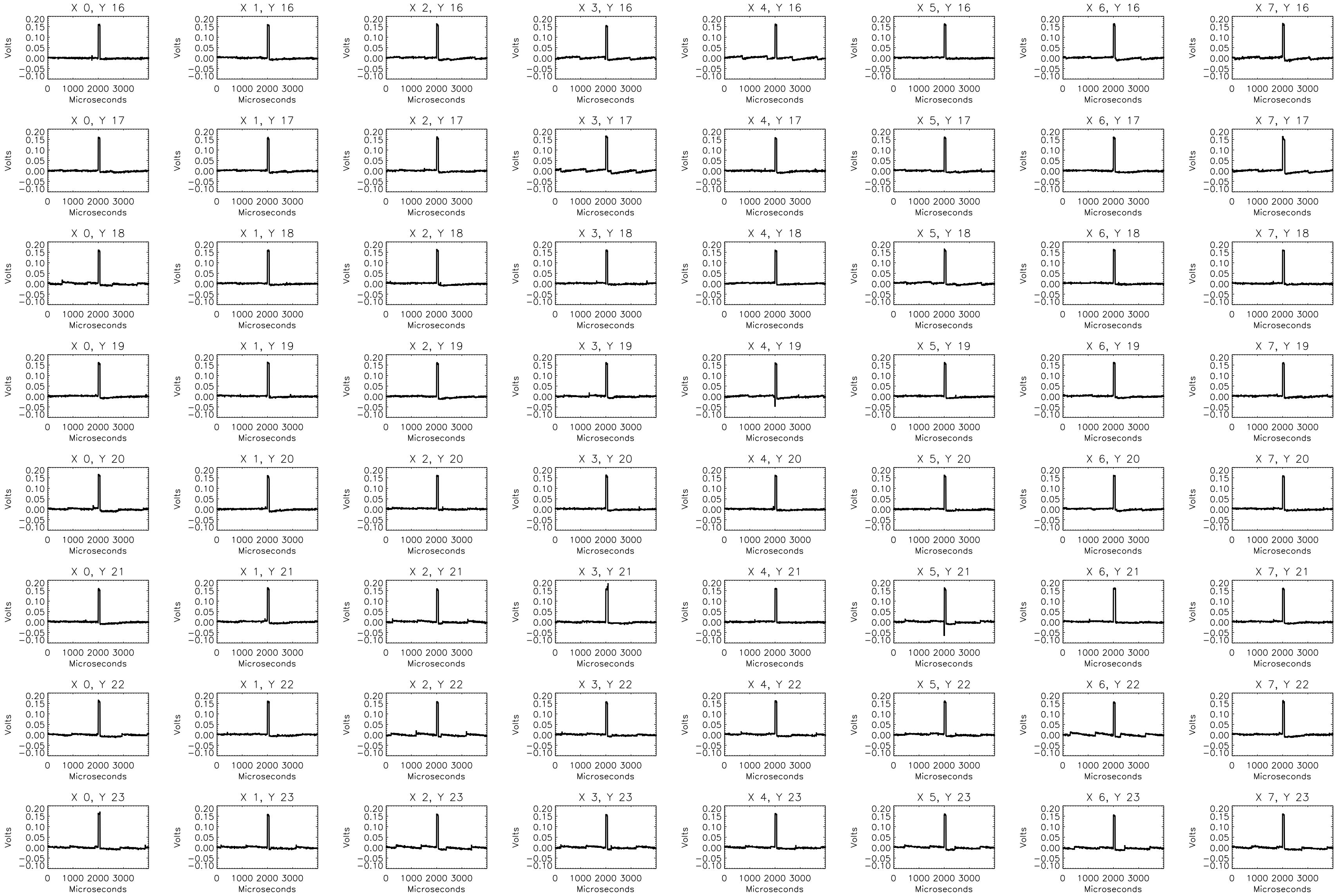
Microseconds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X 7, Y 23
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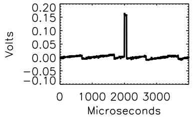
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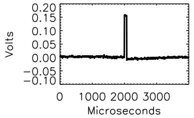
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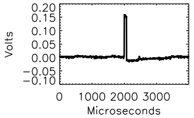
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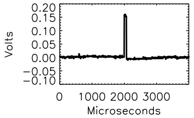
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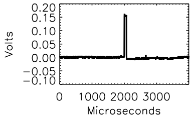
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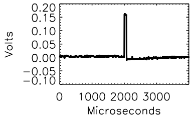
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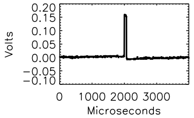
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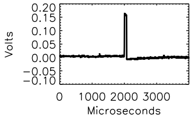
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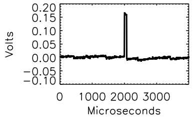
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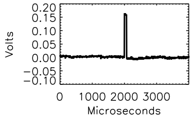
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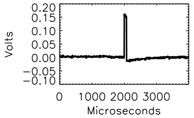
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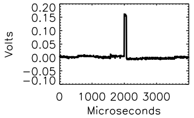
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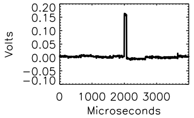
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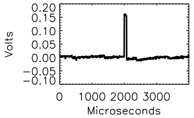
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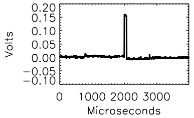
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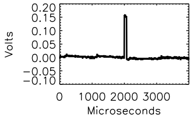
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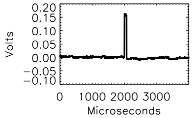
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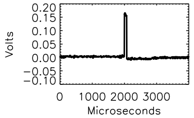
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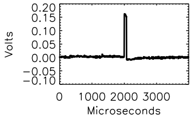
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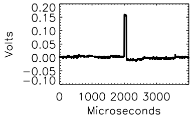
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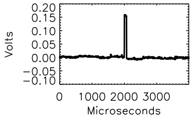
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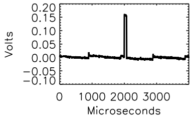
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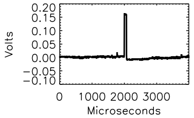
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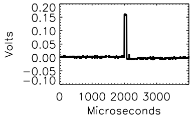
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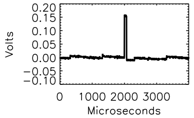
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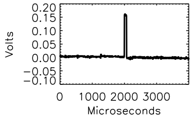
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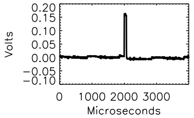
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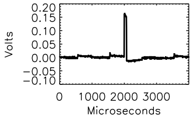
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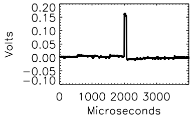
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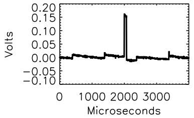
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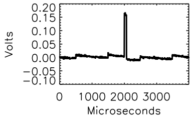
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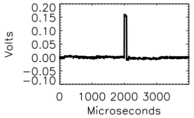
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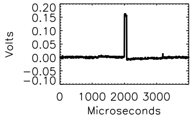
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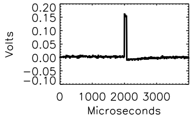
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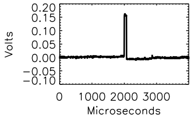
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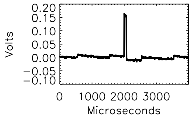
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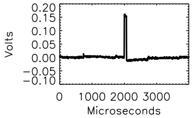
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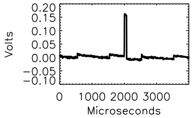
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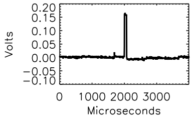
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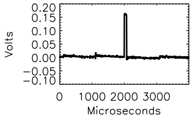
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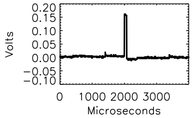
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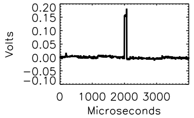
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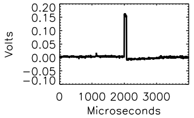
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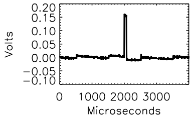
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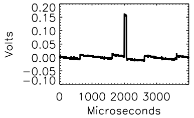
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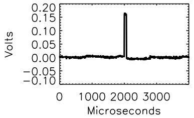
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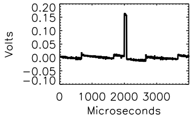
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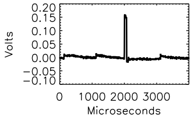
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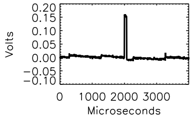
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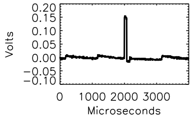
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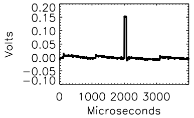
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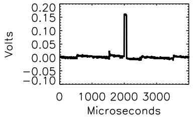
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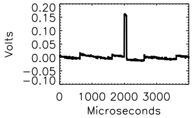
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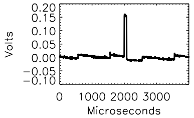
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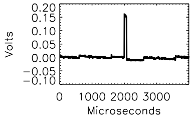
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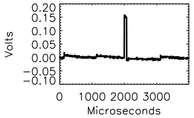
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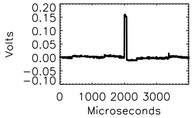
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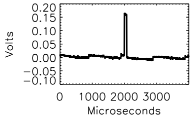
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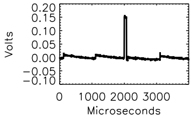
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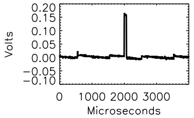
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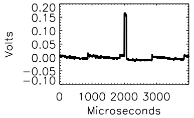
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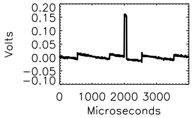
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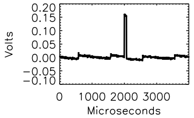
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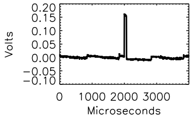
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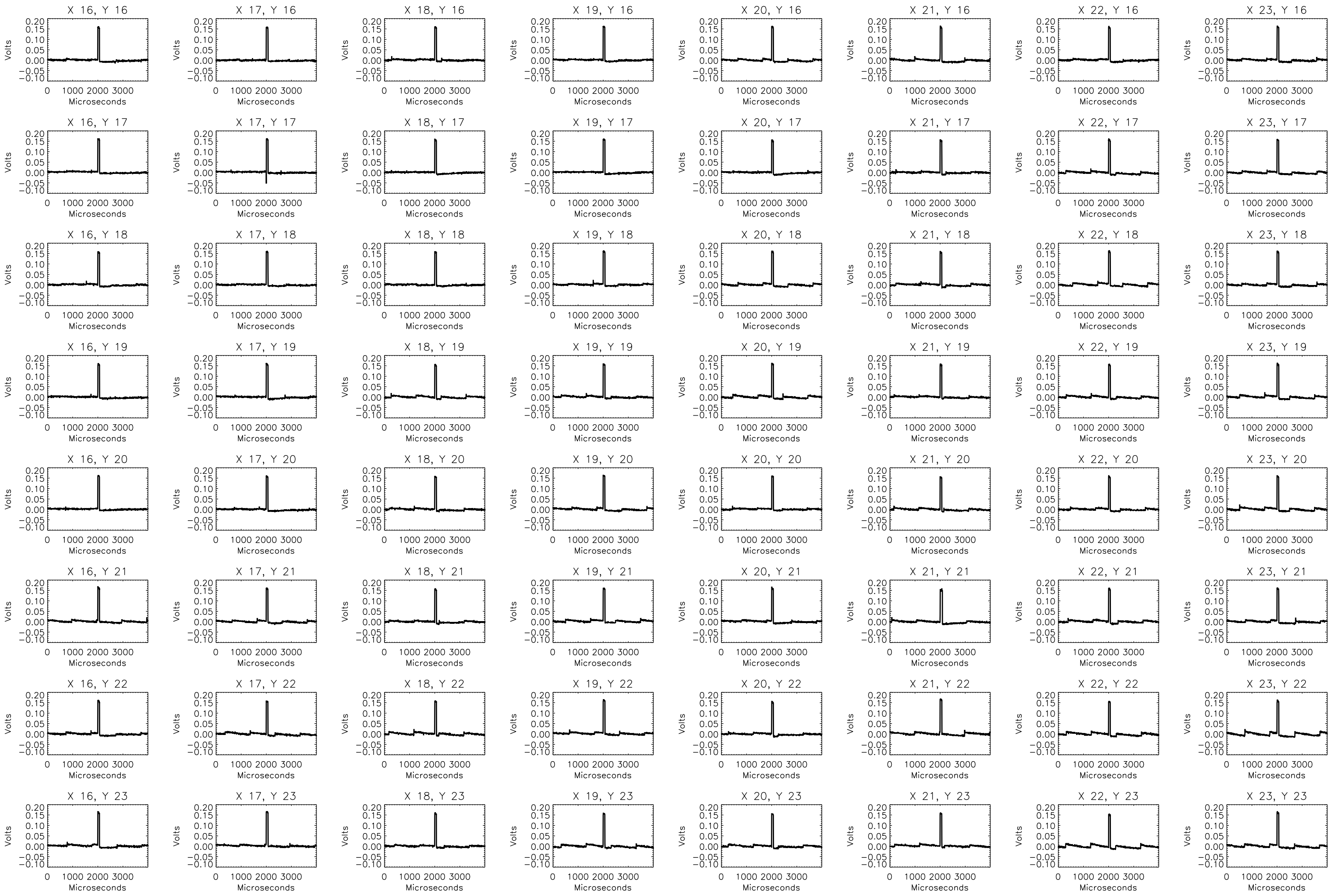
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X 19, Y 23
X 20, Y 23
X 21, Y 23
X 22, Y 23
X 23, Y 23
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0.05
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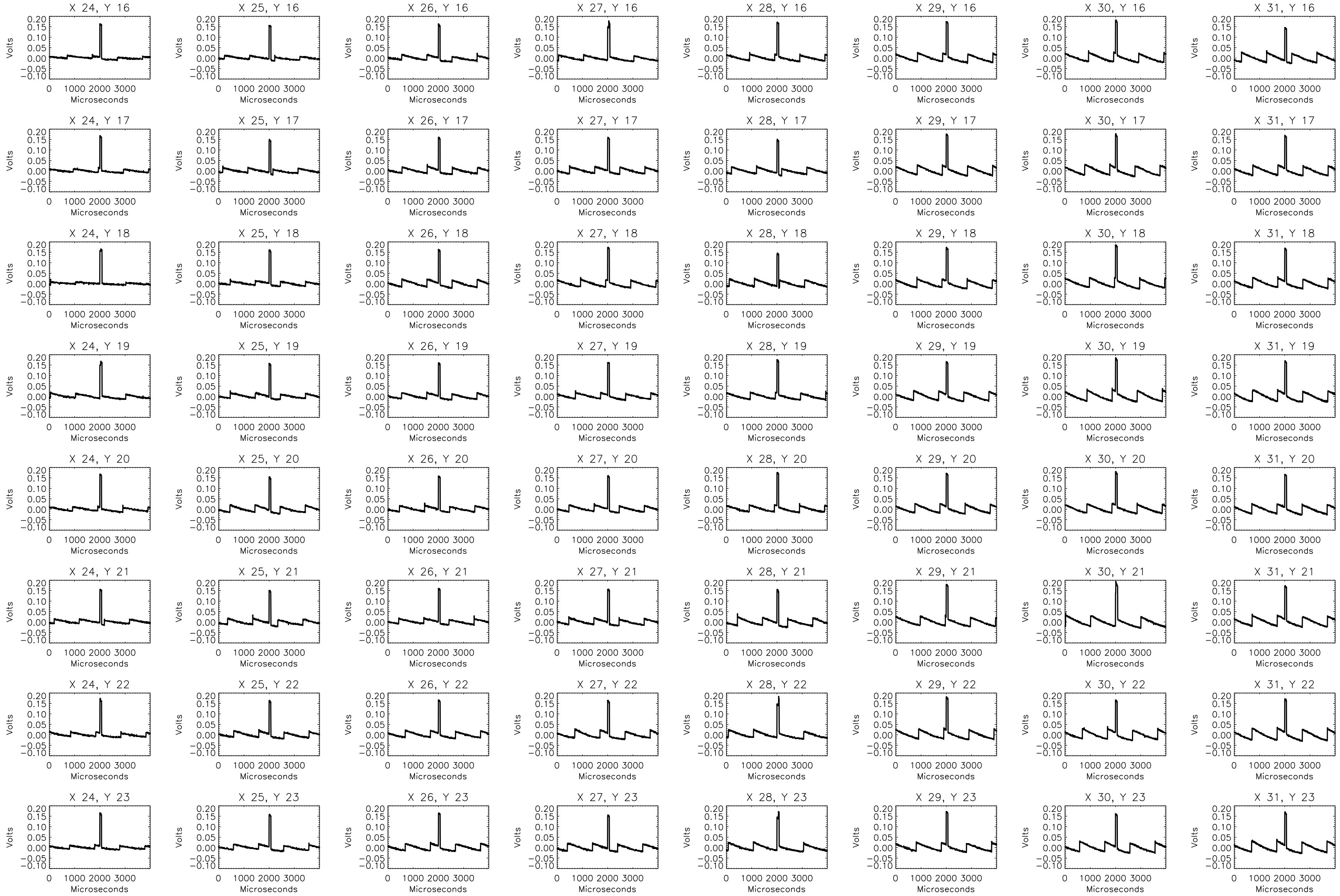
1000
2000
3000
Microseconds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X 31, Y 23
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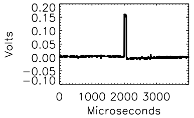
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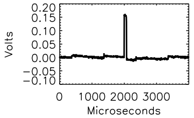
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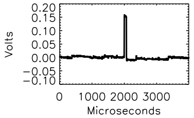
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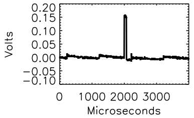
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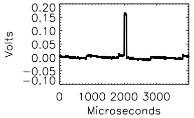
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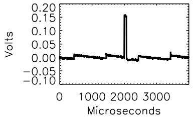
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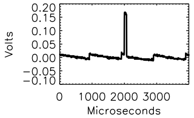
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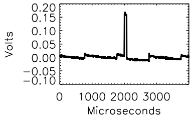
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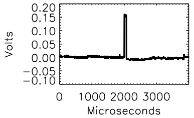
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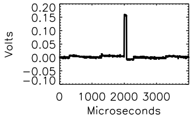
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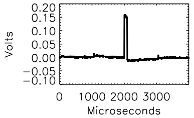
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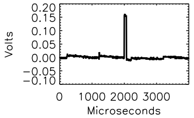
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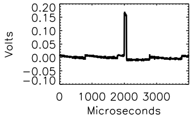
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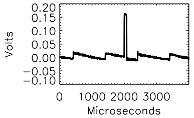
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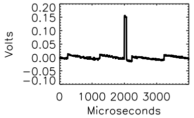
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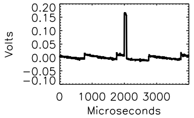
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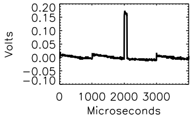
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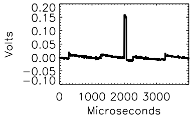
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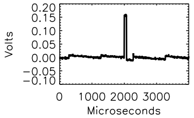
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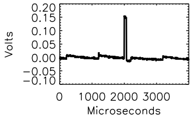
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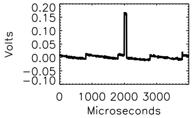
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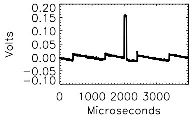
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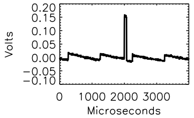
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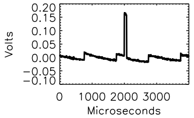
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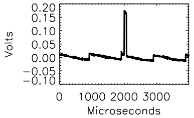
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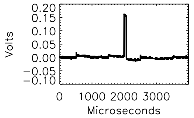
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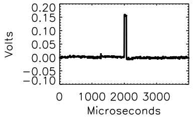
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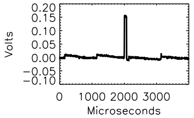
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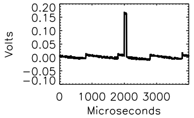
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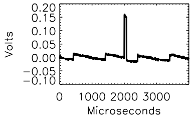
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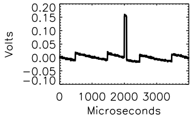
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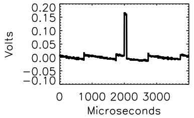
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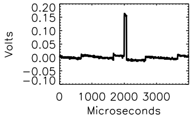
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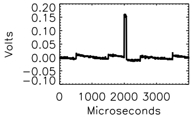
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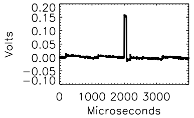
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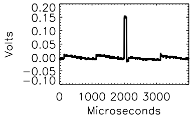
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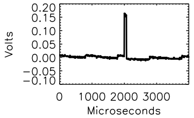
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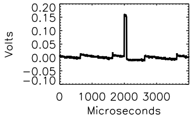
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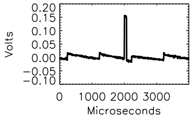
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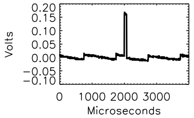
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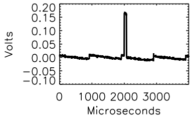
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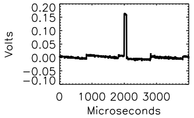
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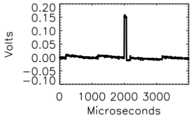
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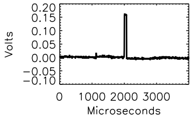
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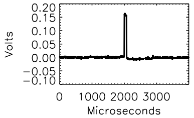
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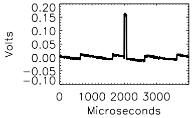
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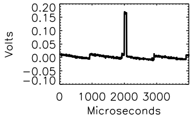
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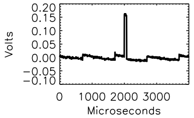
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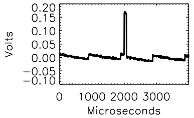
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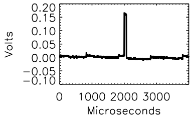
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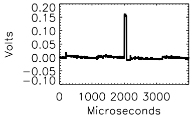
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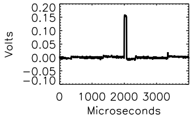
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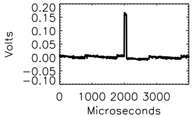
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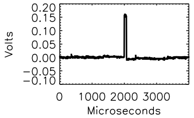
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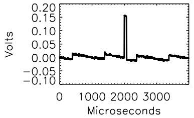
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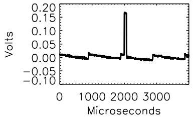
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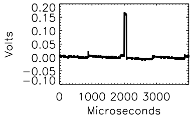
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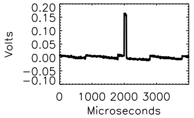
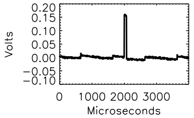
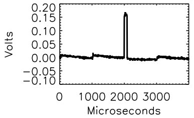
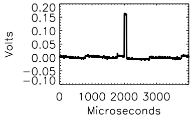
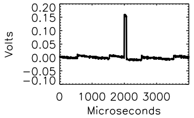
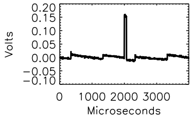

X 1, Y 31

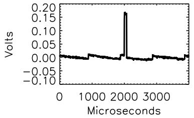

X 2, Y 31

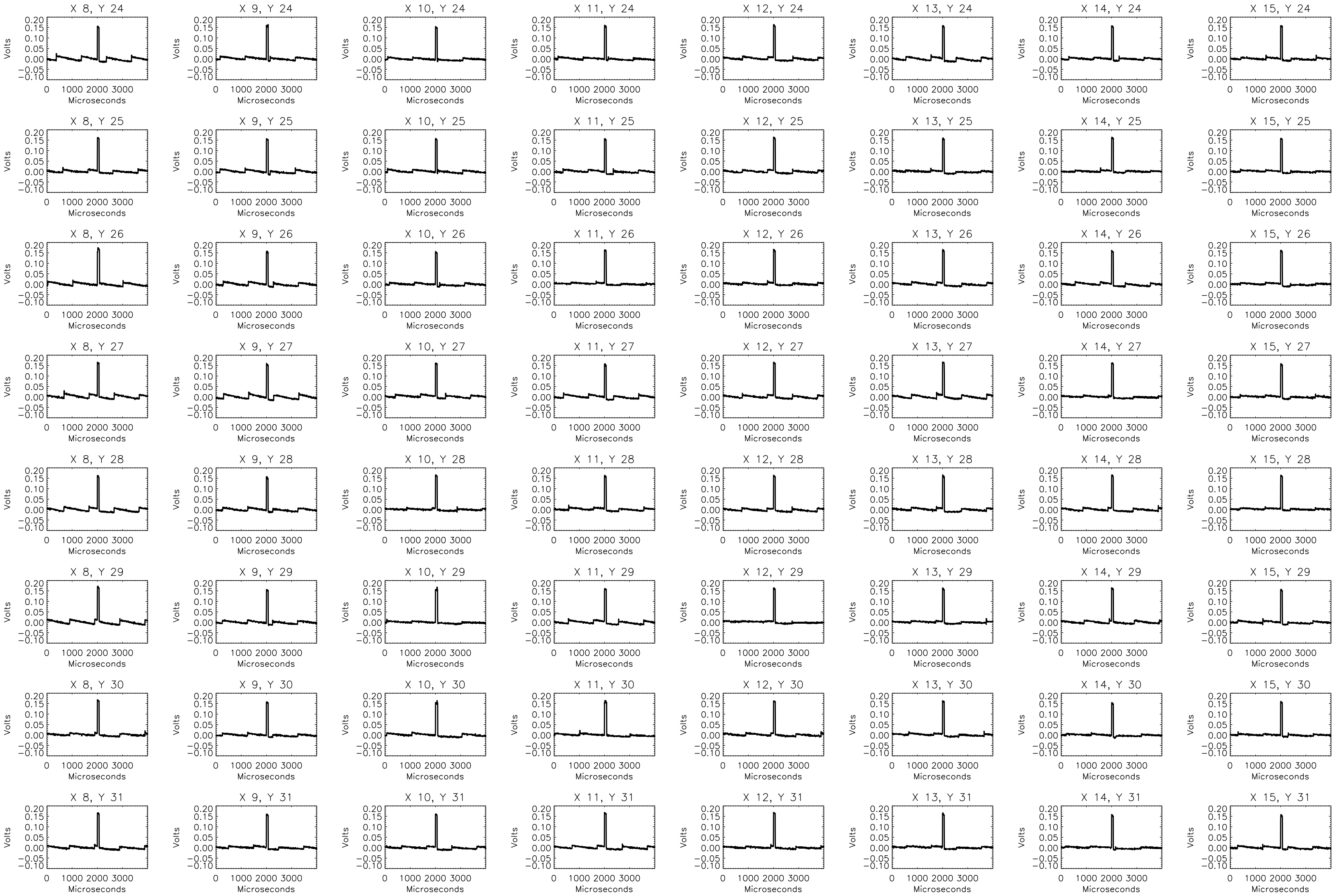

X 3, Y 31

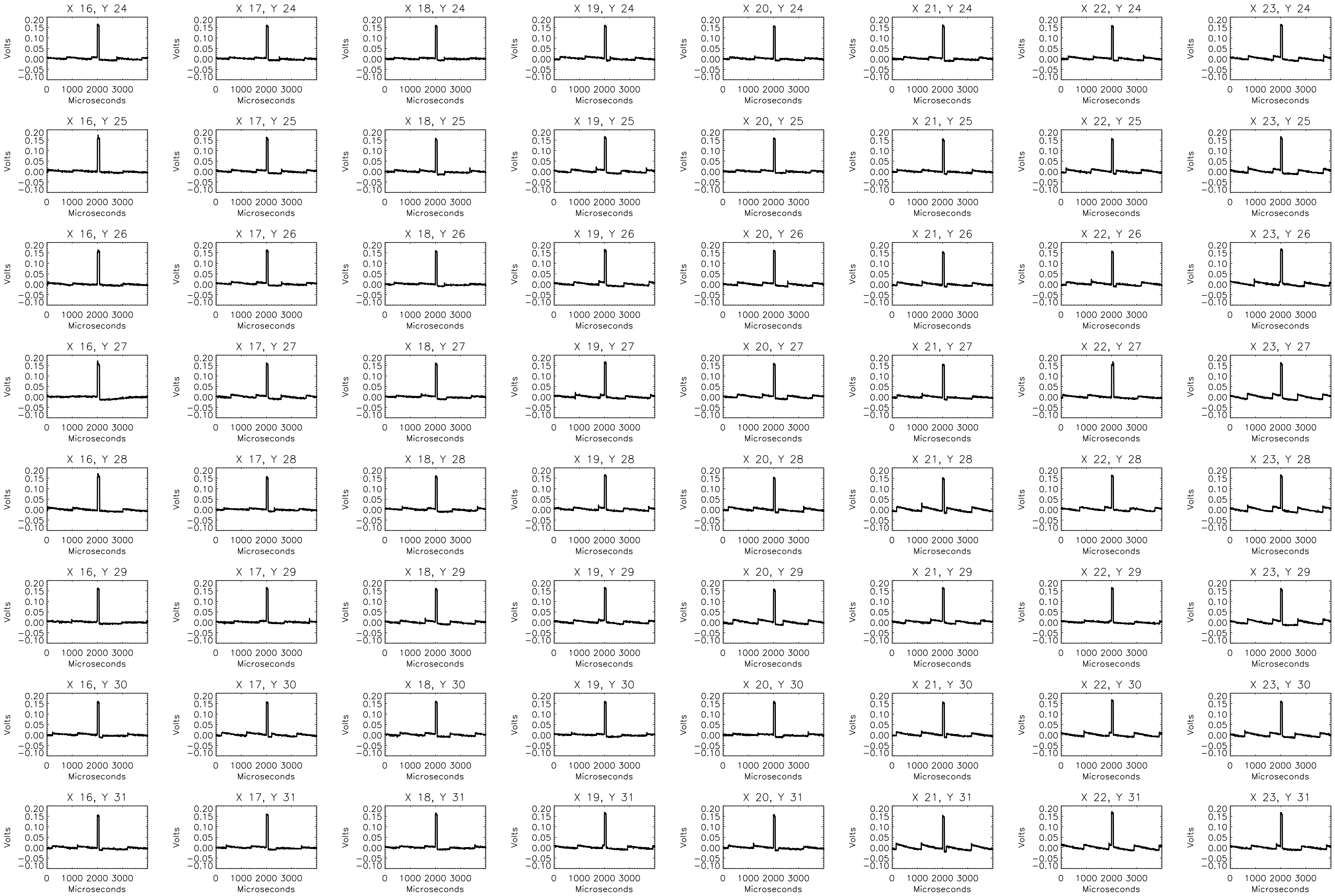

X 4, Y 31

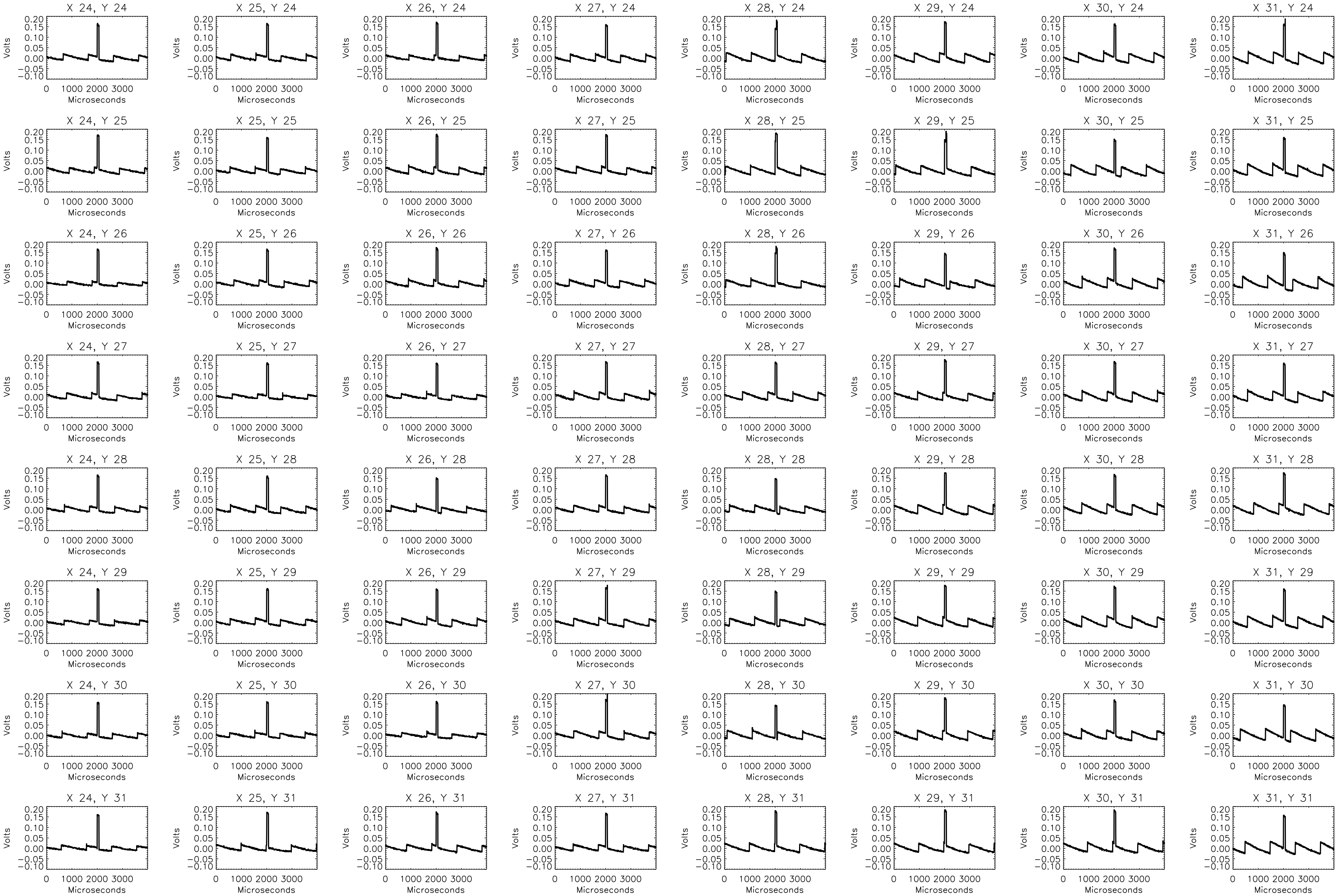

X 5, Y 31

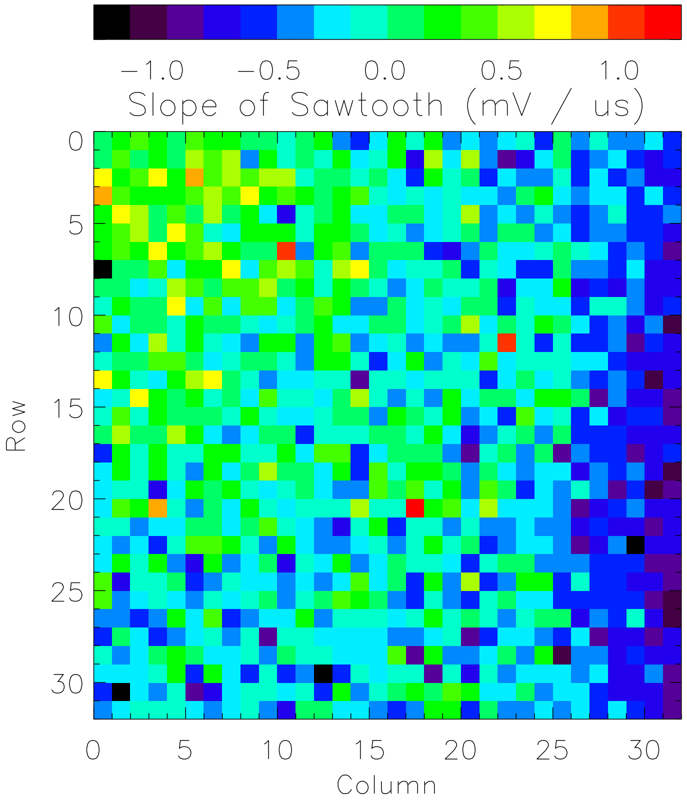

X 6, Y 31

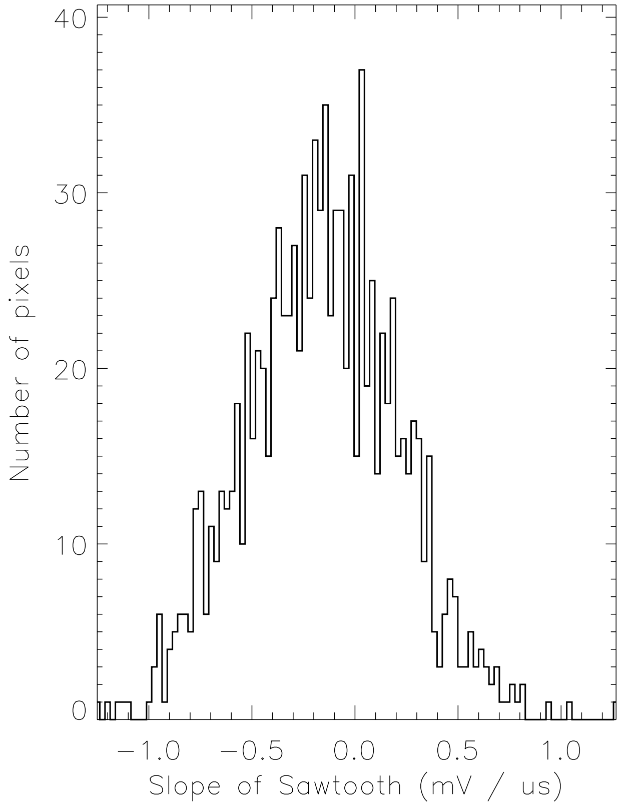

X 7, Y 31

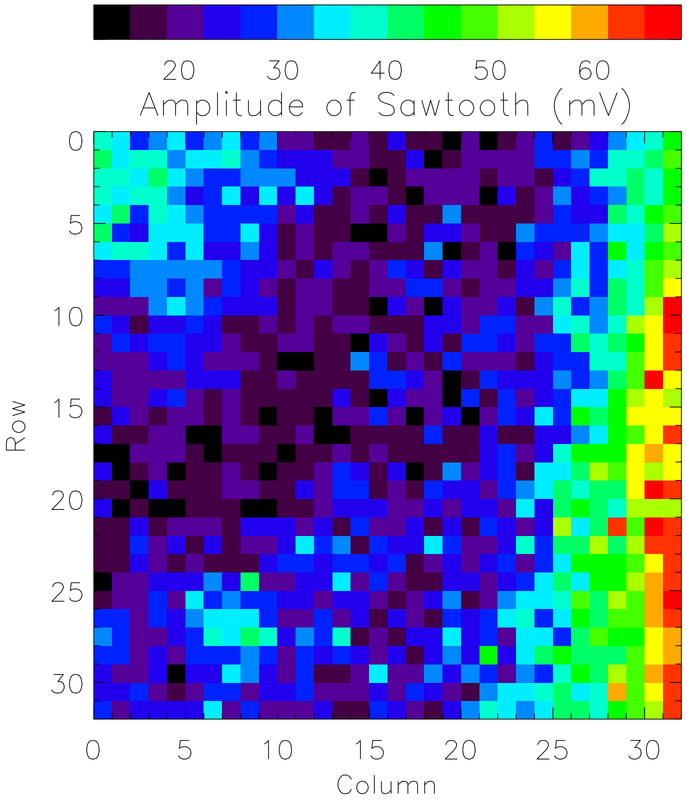

X 8, Y 24
X 9, Y 24
X 10, Y 24
X 11, Y 24
X 12, Y 24
X 13, Y 24
X 14, Y 24
X 15, Y 24
X 8, Y 25
X 9, Y 25
X 10, Y 25
X 11, Y 25
X 12, Y 25
X 13, Y 25
X 14, Y 25
X 15, Y 25
X 8, Y 26
X 9, Y 26
X 10, Y 26
X 11, Y 26
X 12, Y 26
X 13, Y 26
X 14, Y 26
X 15, Y 26
X 8, Y 27
X 9, Y 27
X 10, Y 27
X 11, Y 27
X 12, Y 27
X 13, Y 27
X 14, Y 27
X 15, Y 27
X 8, Y 28
X 9, Y 28
X 10, Y 28
X 11, Y 28
X 12, Y 28
X 13, Y 28
X 14, Y 28
X 15, Y 28
X 8, Y 29
X 9, Y 29
X 10, Y 29
X 11, Y 29
X 12, Y 29
X 13, Y 29
X 14, Y 29
X 15, Y 29
X 8, Y 30
X 9, Y 30
X 10, Y 30
X 11, Y 30
X 12, Y 30
X 13, Y 30
X 14, Y 30
X 15, Y 30
X 8, Y 31
X 9, Y 31
X 10, Y 31
X 11, Y 31
X 12, Y 31
X 13, Y 31
X 14, Y 31
X 15, Y 31
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
0
1000
2000
3000
Microseconds

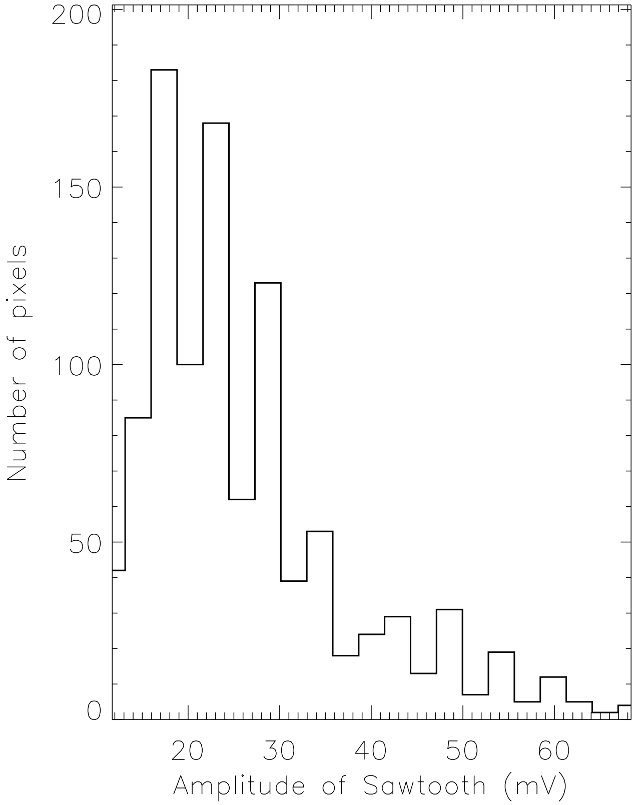

X 16, Y 24
X 17, Y 24
X 18, Y 24
X 19, Y 24
X 20, Y 24
X 21, Y 24
X 22, Y 24
X 23, Y 24
X 16, Y 25
X 17, Y 25
X 18, Y 25
X 19, Y 25
X 20, Y 25
X 21, Y 25
X 22, Y 25
X 23, Y 25
X 16, Y 26
X 17, Y 26
X 18, Y 26
X 19, Y 26
X 20, Y 26
X 21, Y 26
X 22, Y 26
X 23, Y 26
X 16, Y 27
X 17, Y 27
X 18, Y 27
X 19, Y 27
X 20, Y 27
X 21, Y 27
X 22, Y 27
X 23, Y 27
X 16, Y 28
X 17, Y 28
X 18, Y 28
X 19, Y 28
X 20, Y 28
X 21, Y 28
X 22, Y 28
X 23, Y 28
X 16, Y 29
X 17, Y 29
X 18, Y 29
X 19, Y 29
X 20, Y 29
X 21, Y 29
X 22, Y 29
X 23, Y 29
X 16, Y 30
X 17, Y 30
X 18, Y 30
X 19, Y 30
X 20, Y 30
X 21, Y 30
X 22, Y 30
X 23, Y 30
X 16, Y 31
X 17, Y 31
X 18, Y 31
X 19, Y 31
X 20, Y 31
X 21, Y 31
X 22, Y 31
X 23, Y 31
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
0
1000
2000
3000
Microseconds


X 24, Y 24
X 25, Y 24
X 26, Y 24
X 27, Y 24
X 28, Y 24
X 29, Y 24
X 30, Y 24
X 31, Y 24
X 24, Y 25
X 25, Y 25
X 26, Y 25
X 27, Y 25
X 28, Y 25
X 29, Y 25
X 30, Y 25
X 31, Y 25
X 24, Y 26
X 25, Y 26
X 26, Y 26
X 27, Y 26
X 28, Y 26
X 29, Y 26
X 30, Y 26
X 31, Y 26
X 24, Y 27
X 25, Y 27
X 26, Y 27
X 27, Y 27
X 28, Y 27
X 29, Y 27
X 30, Y 27
X 31, Y 27
X 24, Y 28
X 25, Y 28
X 26, Y 28
X 27, Y 28
X 28, Y 28
X 29, Y 28
X 30, Y 28
X 31, Y 28
X 24, Y 29
X 25, Y 29
X 26, Y 29
X 27, Y 29
X 28, Y 29
X 29, Y 29
X 30, Y 29
X 31, Y 29
X 24, Y 30
X 25, Y 30
X 26, Y 30
X 27, Y 30
X 28, Y 30
X 29, Y 30
X 30, Y 30
X 31, Y 30
X 24, Y 31
X 25, Y 31
X 26, Y 31
X 27, Y 31
X 28, Y 31
X 29, Y 31
X 30, Y 31
X 31, Y 31
Volts
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
0
1000
2000
3000
Microseconds


−1.0
−0.5
0.0
0.5
1.0
Slope of Sawtooth (mV / us)
Row
0
5
10
15
20
25
30
Column
0
5
10
15
20
25
30


Number of pixels
0
10
20
30
40
−1.0
−0.5
0.0
0.5
1.0
Slope of Sawtooth (mV / us)


20
30
40
50
60
Amplitude of Sawtooth (mV)
0
5
10
15
20
25
30
Row
0
5
10
15
20
25
30
Column


200
150
100
50
0
Number of pixels
20
30
40
50
60
Amplitude of Sawtooth (mV)