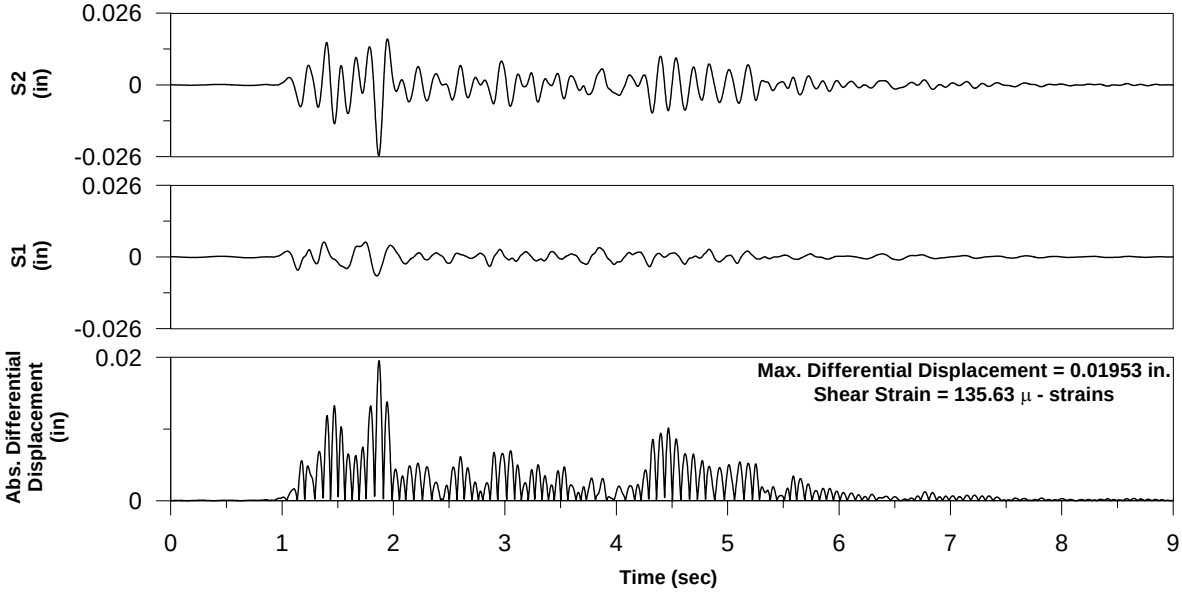
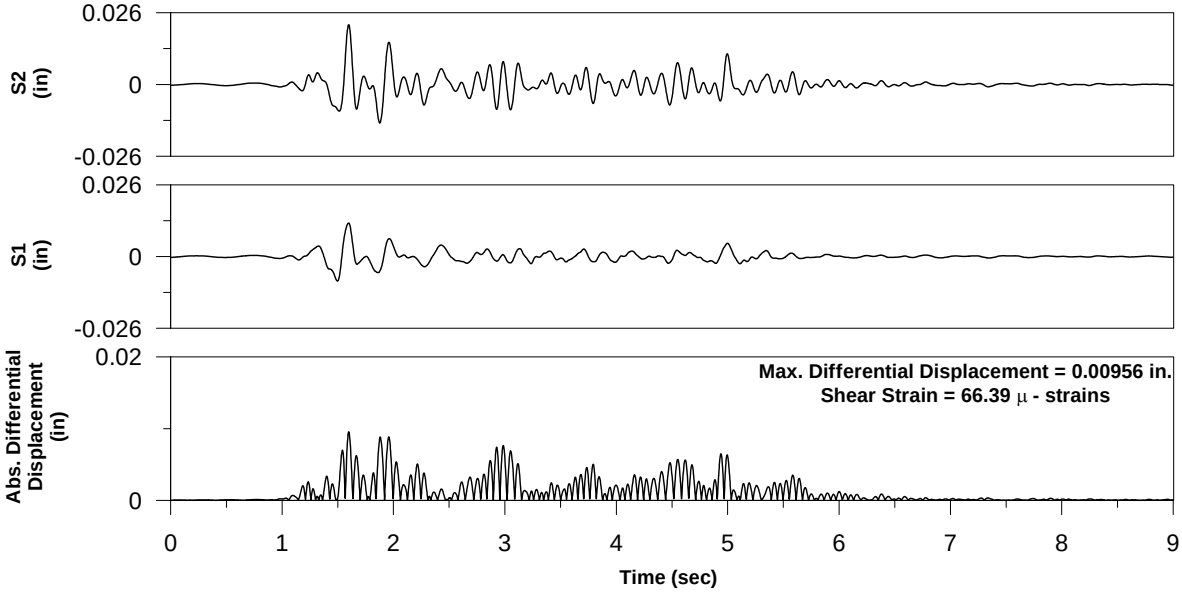
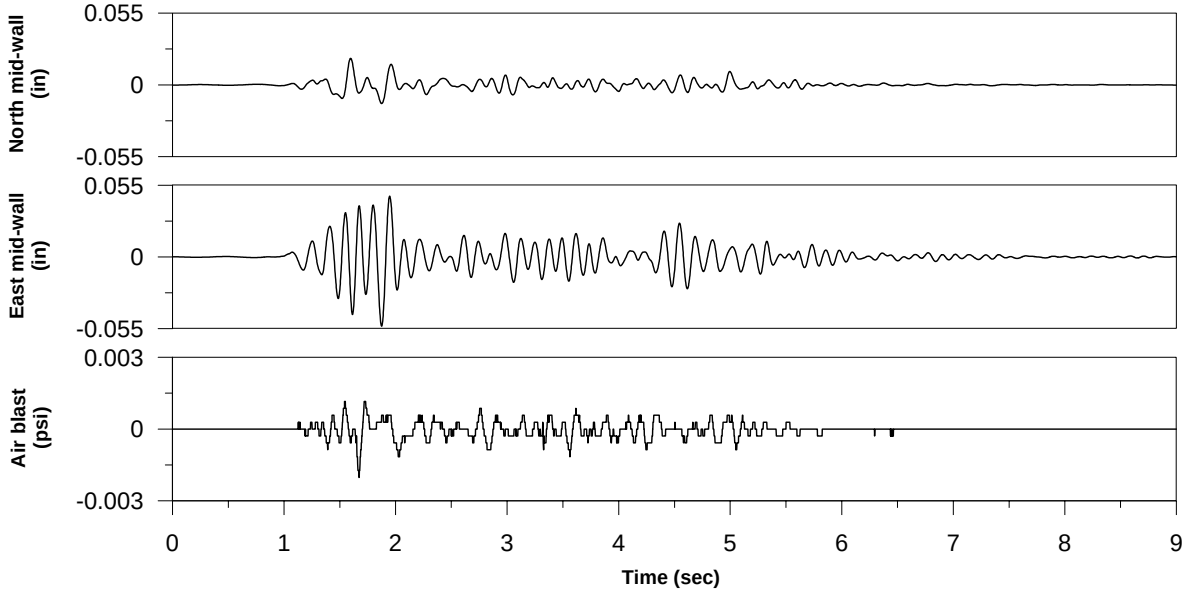


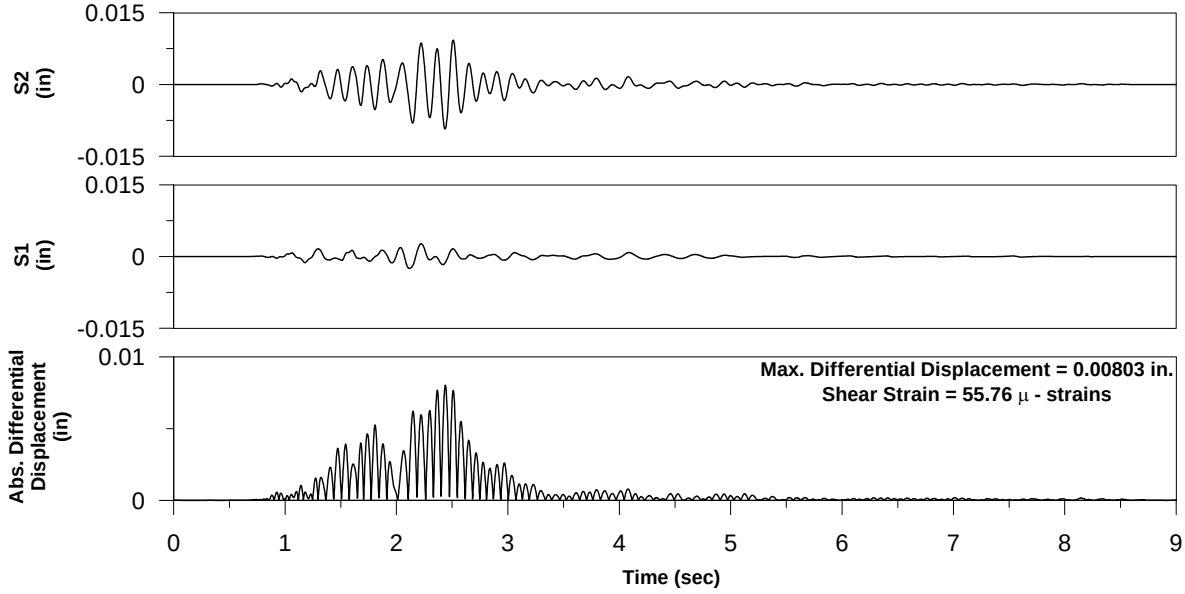
East wall displacement (12/30/04 a)



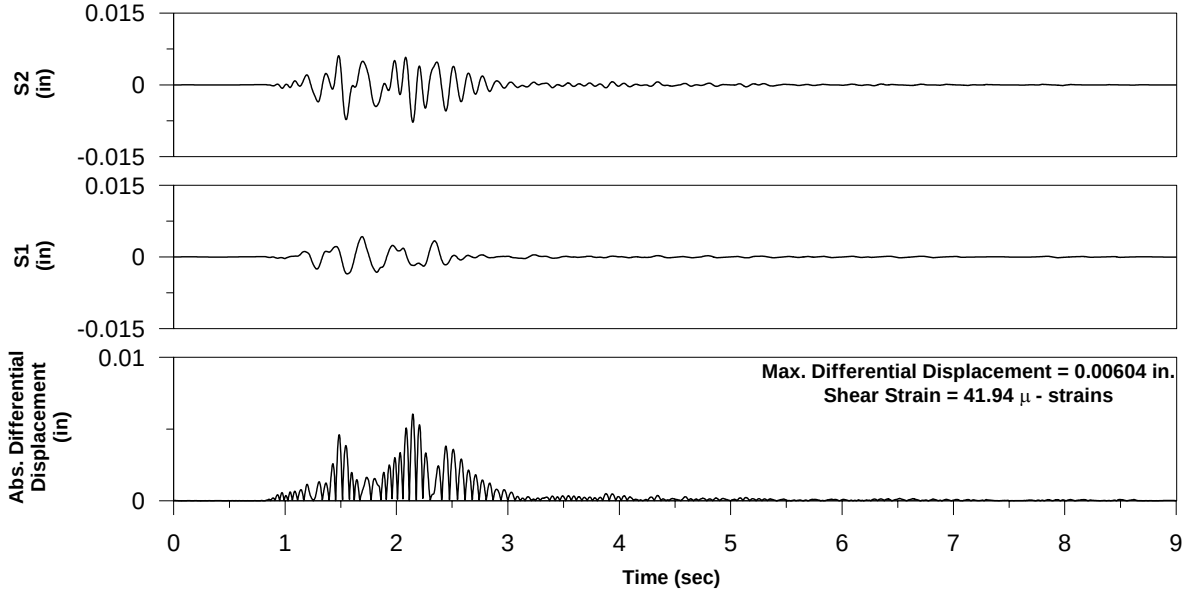
North wall displacement (12/30/04 a)



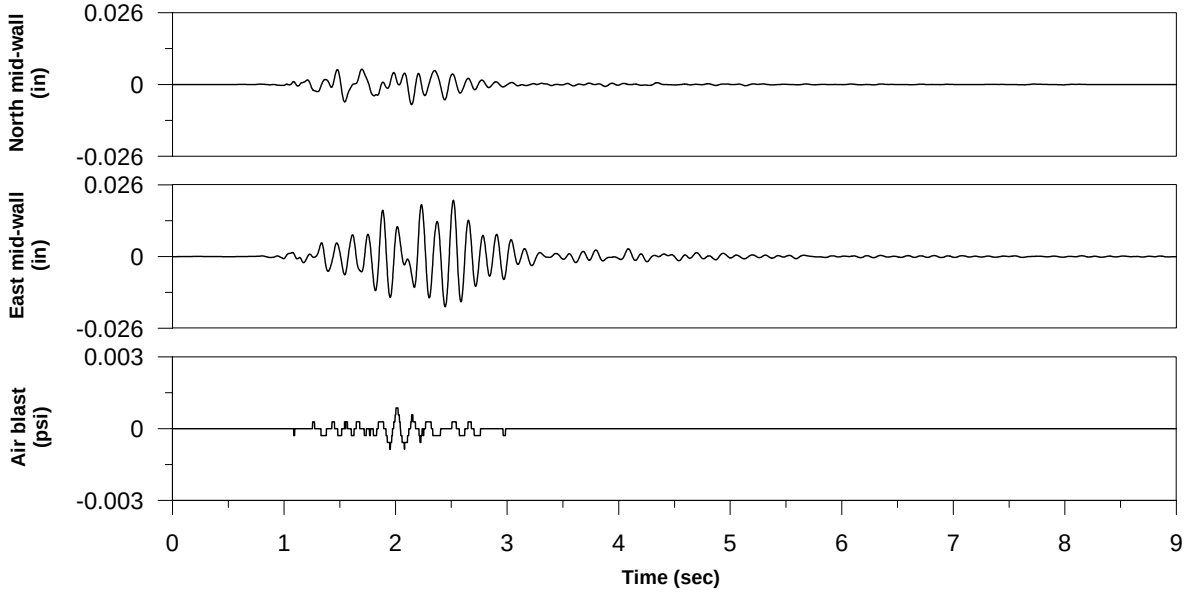
Mid walls displacement (12/30/04 a)



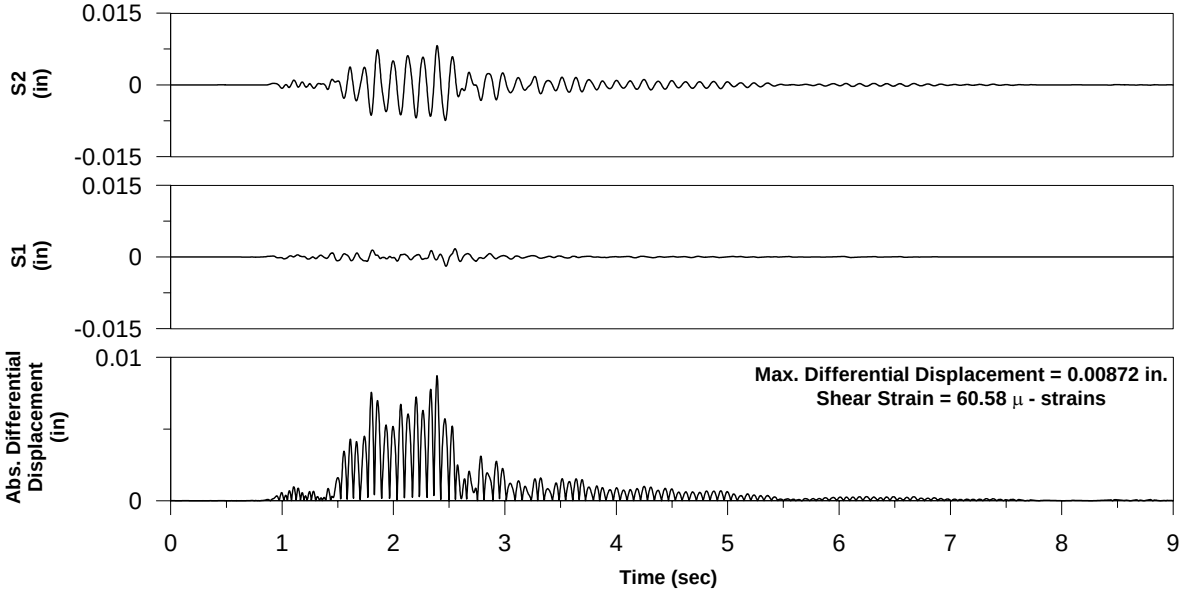
East wall displacement (12/30/04 b)



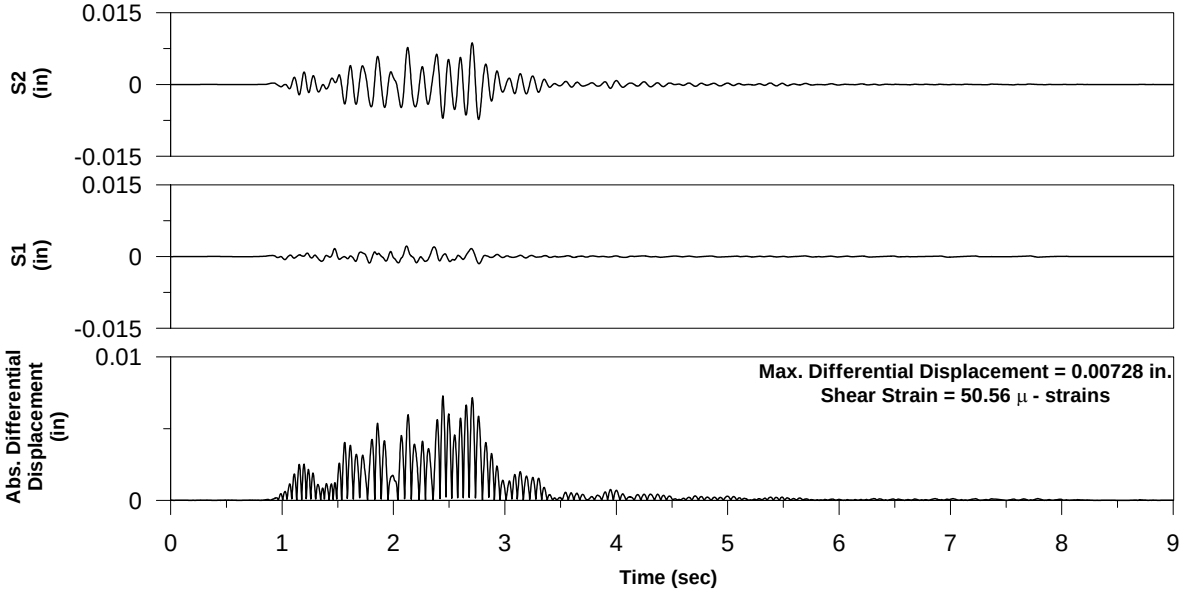
North wall displacement (12/30/04 b)



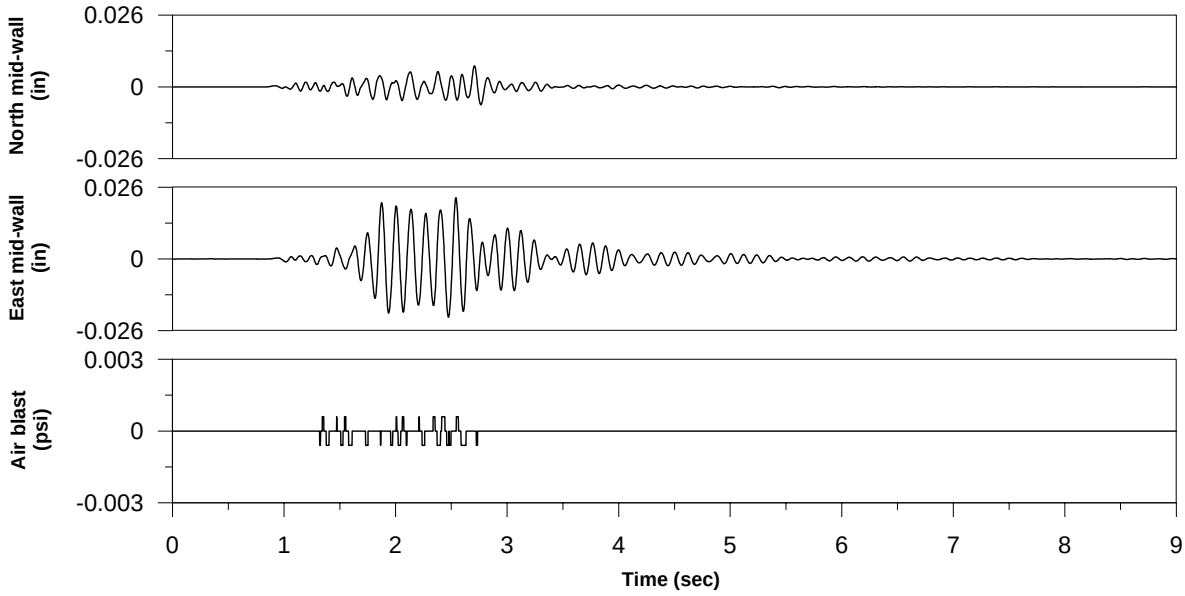
Mid wall displacement (12/30/04 b)



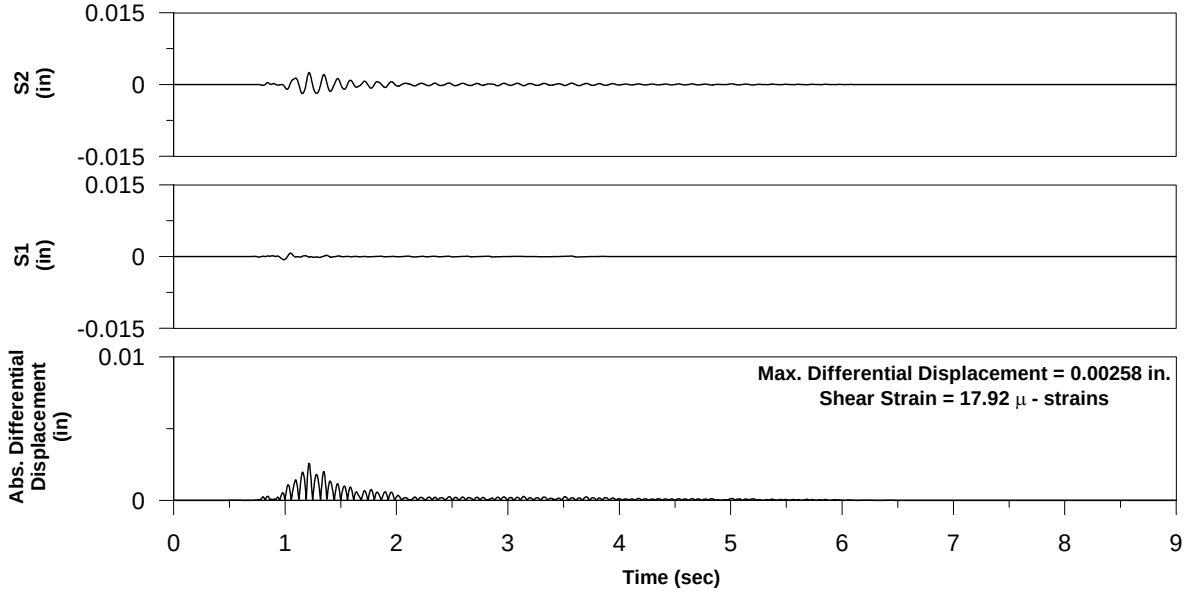
East wall displacement (01/27/05 a)



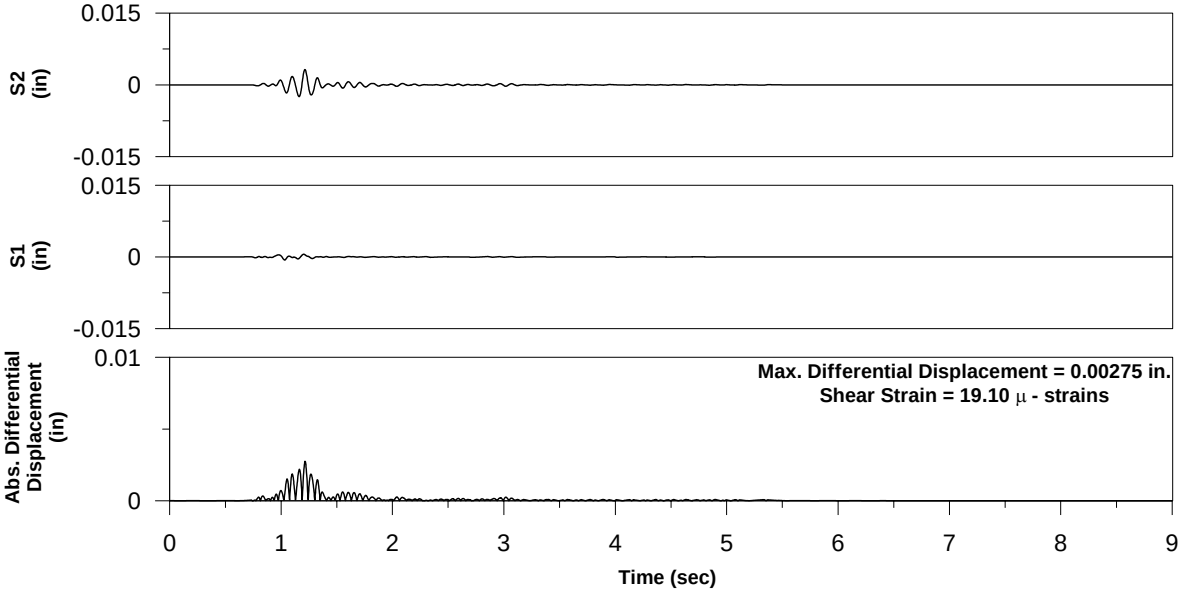
North wall displacement (01/27/05 a)



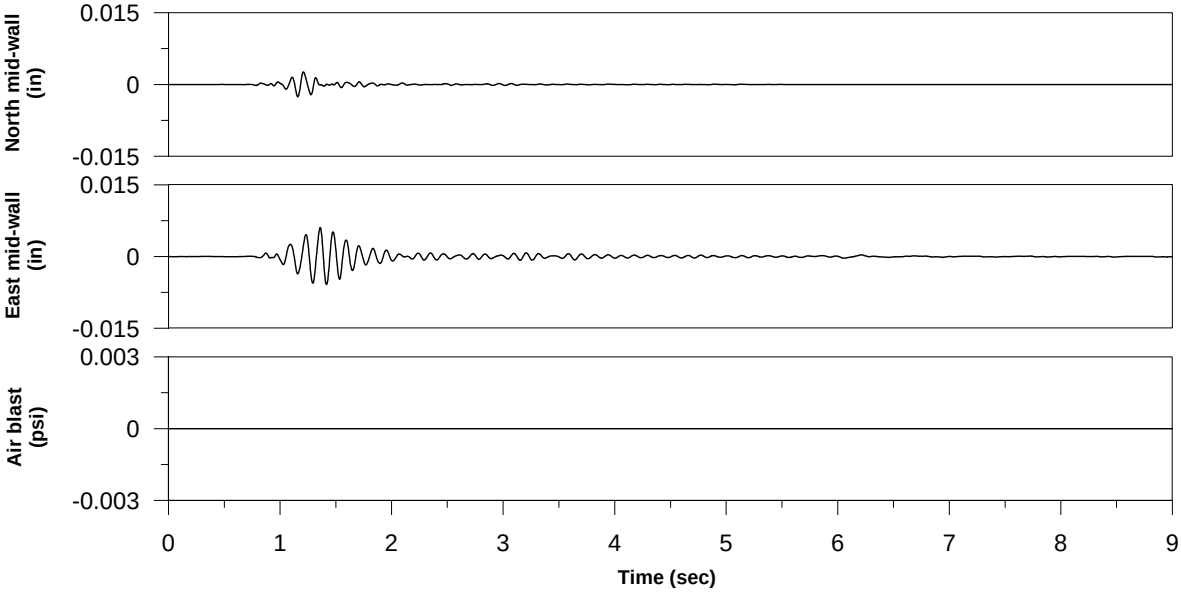
Mid walls displacement (01/27/05 a)



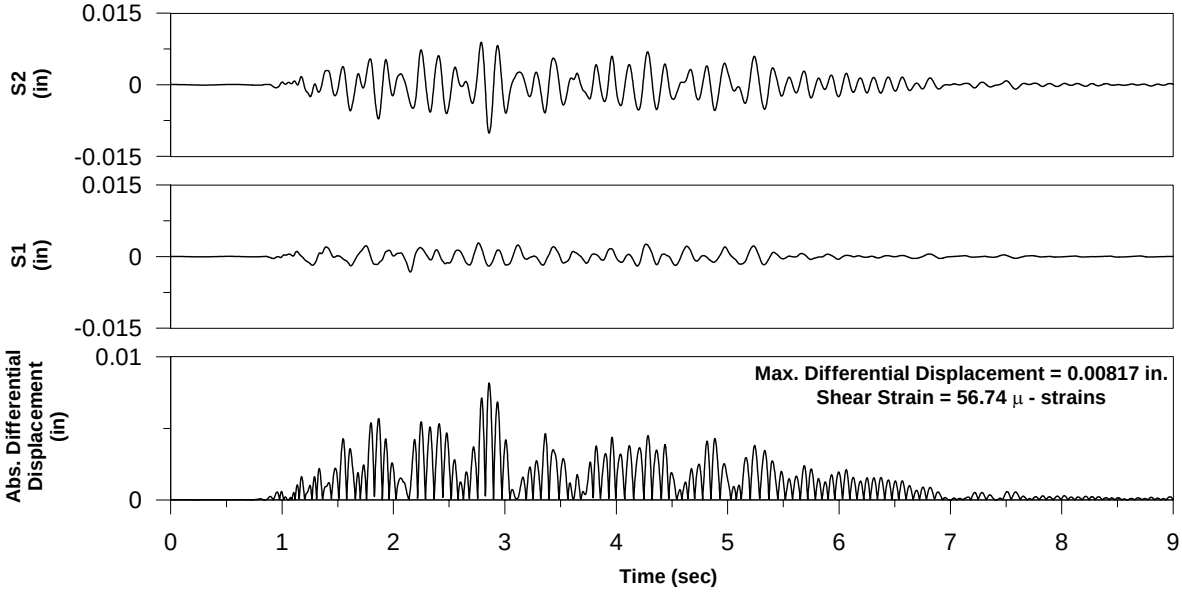
East wall displacement (01/27/05 b)



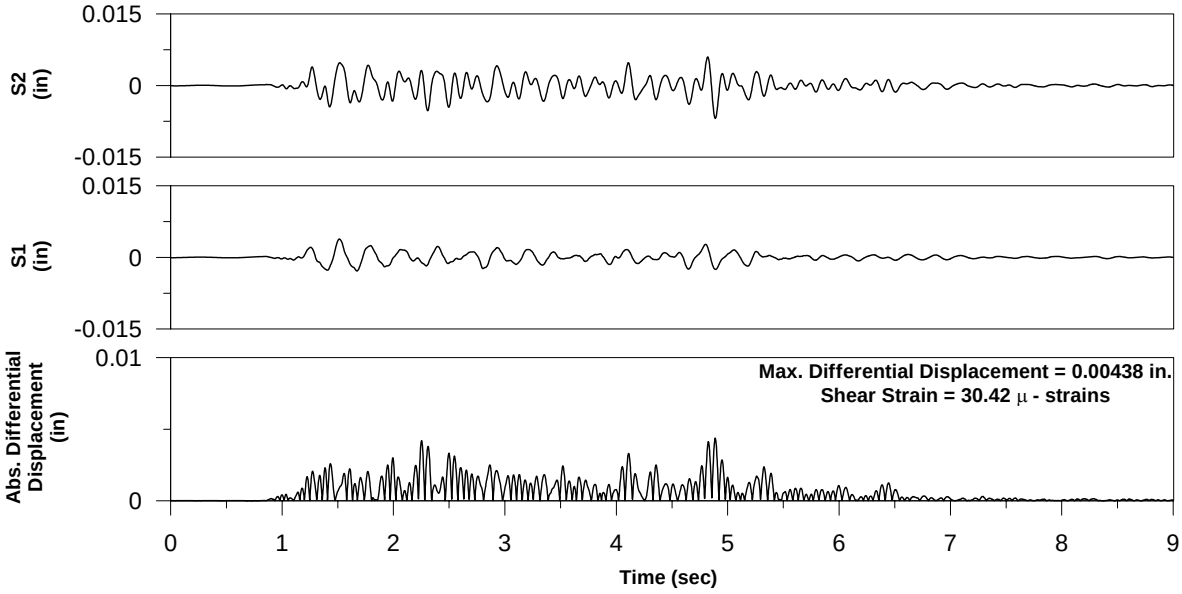
North wall displacement (01/27/05 b)



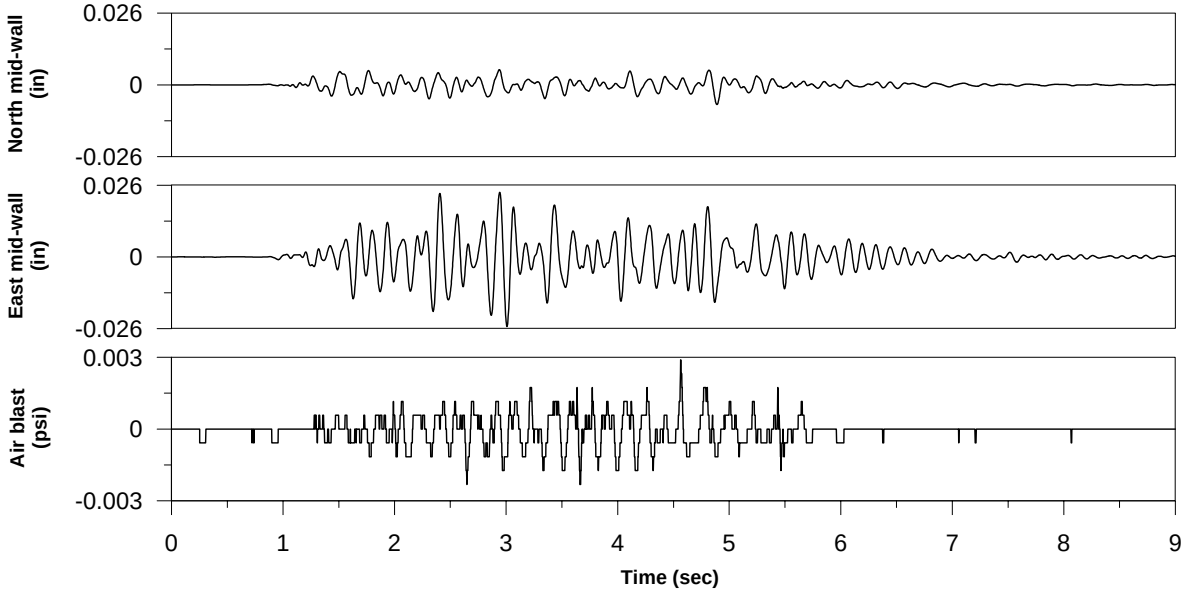
Mid walls displacement (01/27/05 b)



East wall displacement (01/28/05)



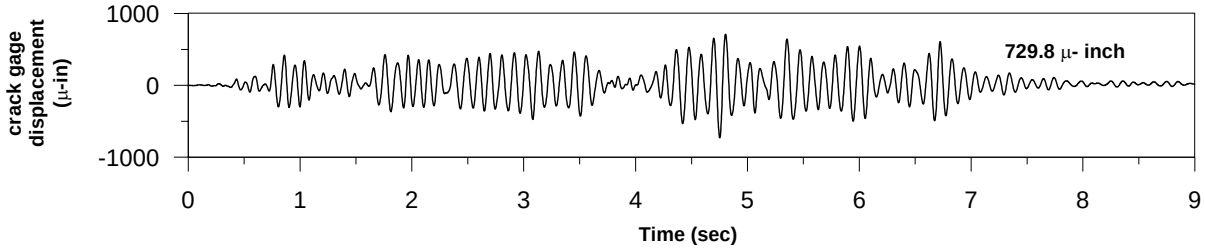
North wall displacement (01/28/05)



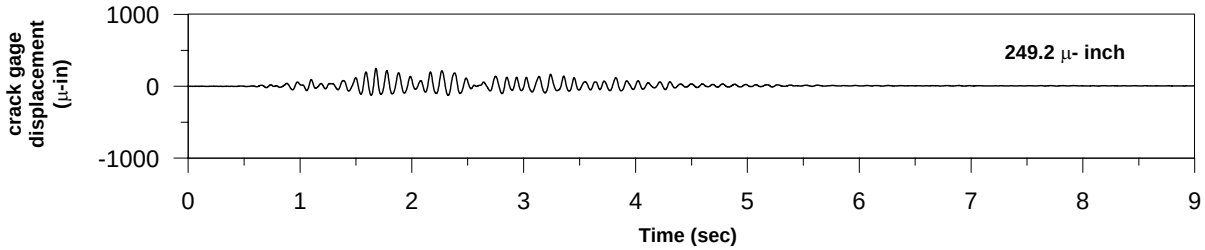
Mid walls displacement (01/28/05)

Appendix I

Crack Displacement Time Histories



09/16/04



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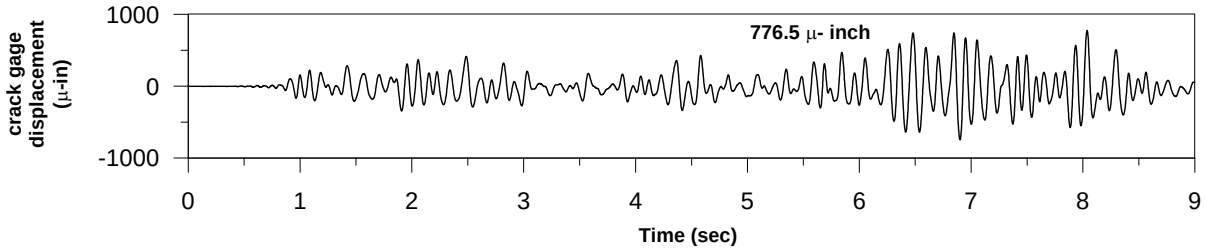

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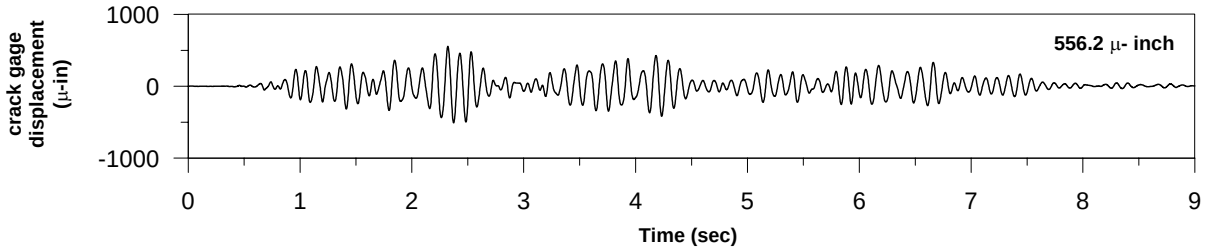

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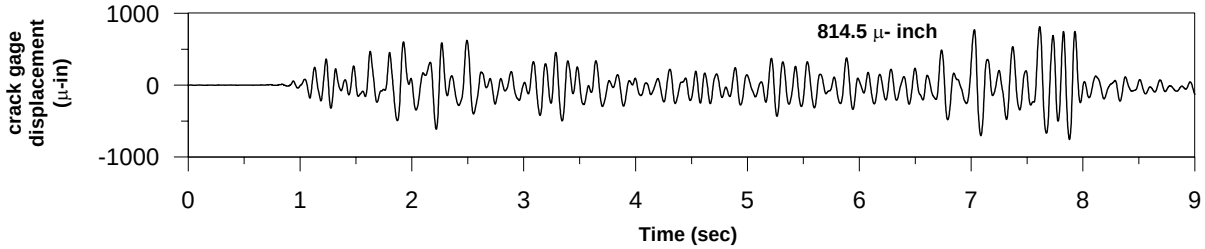

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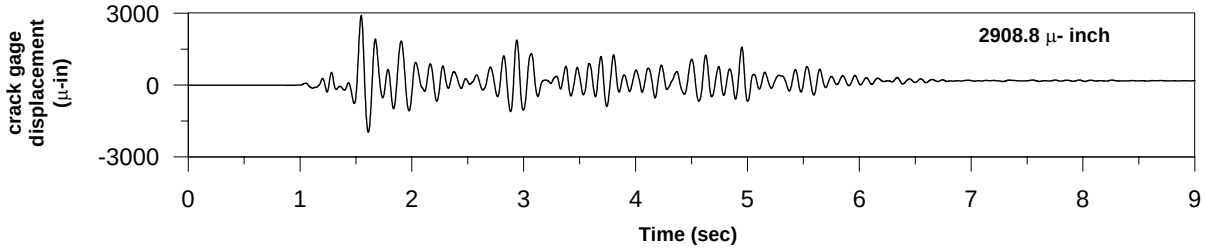
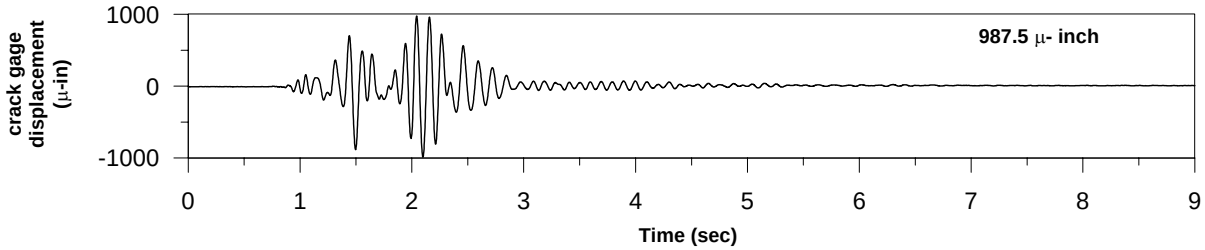


12/30/04 a



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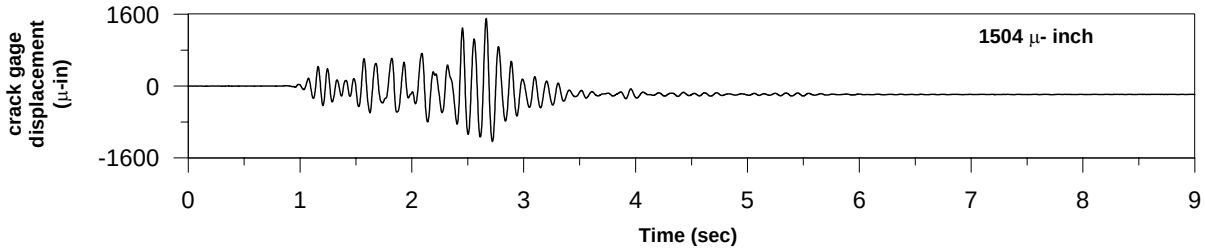
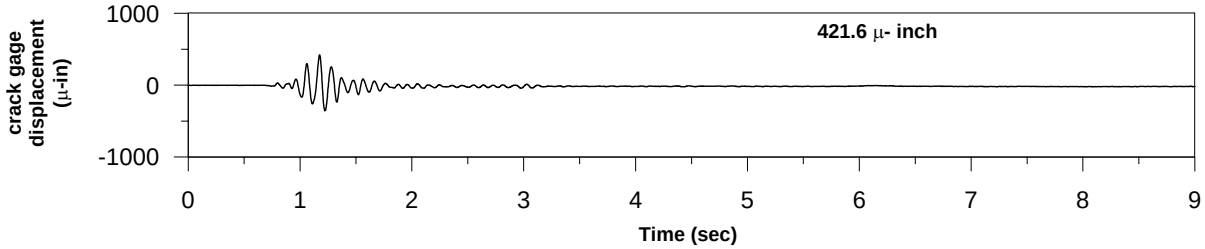
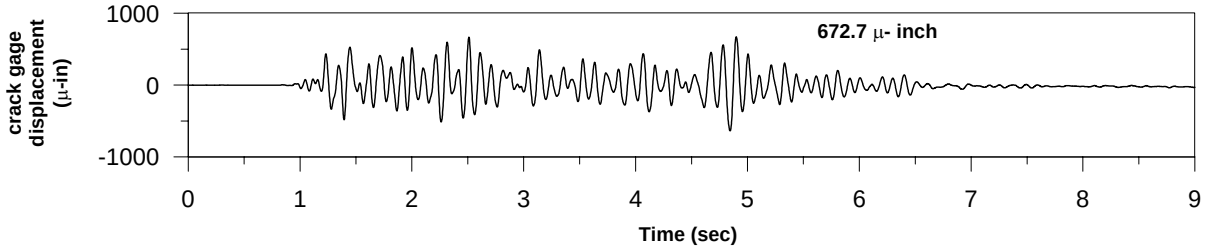


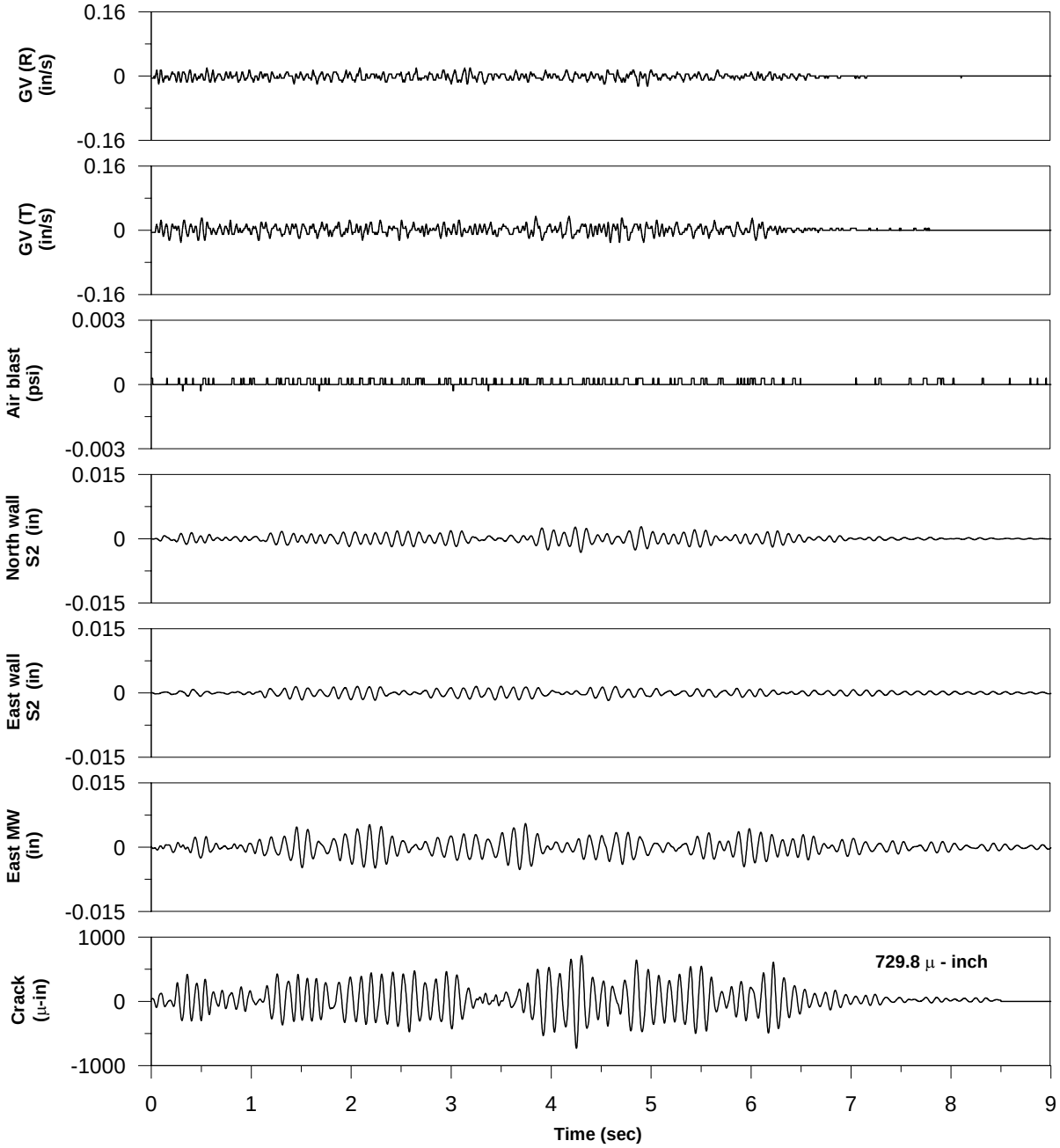
01/27/05 a



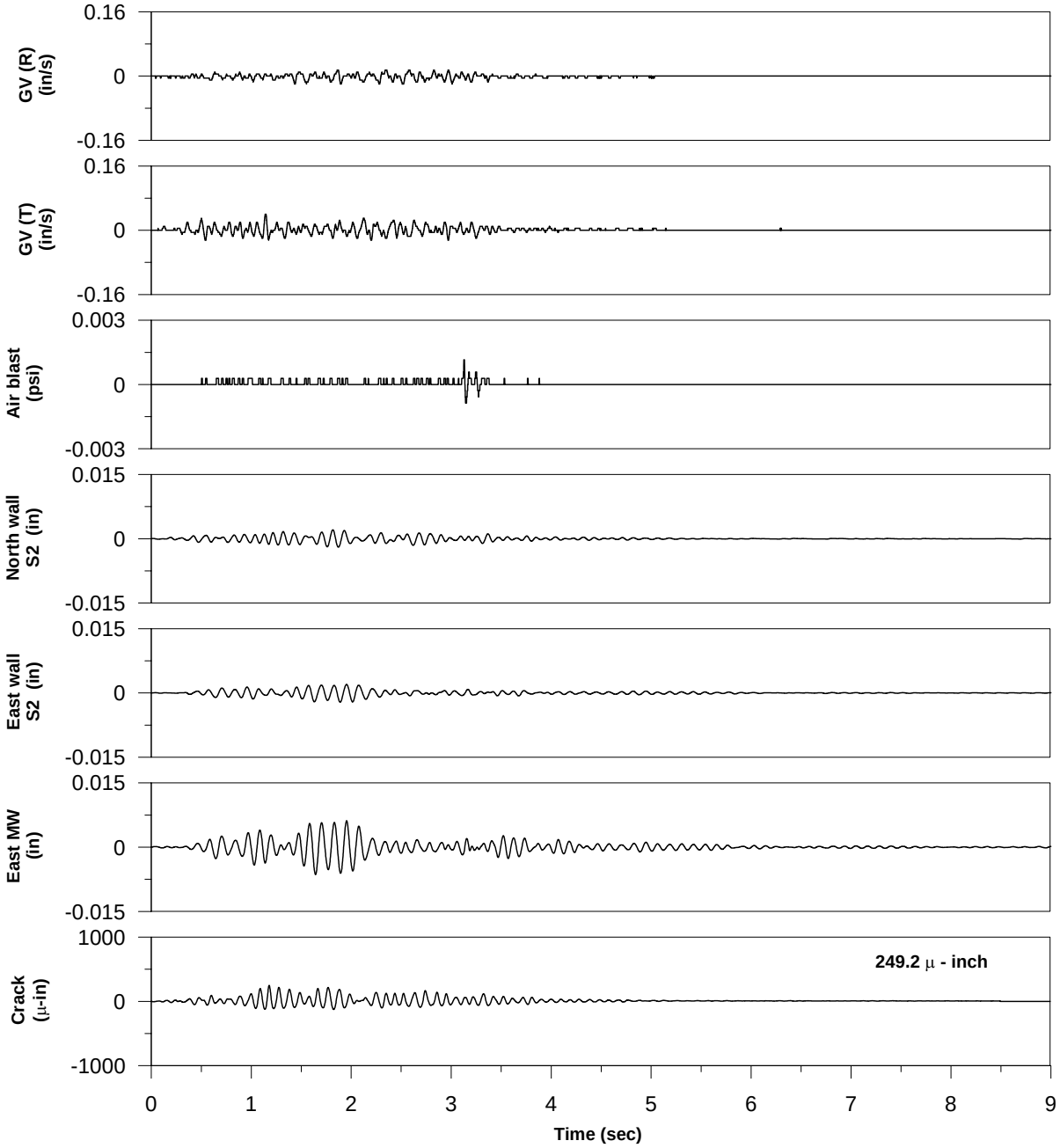
01/27/05 b



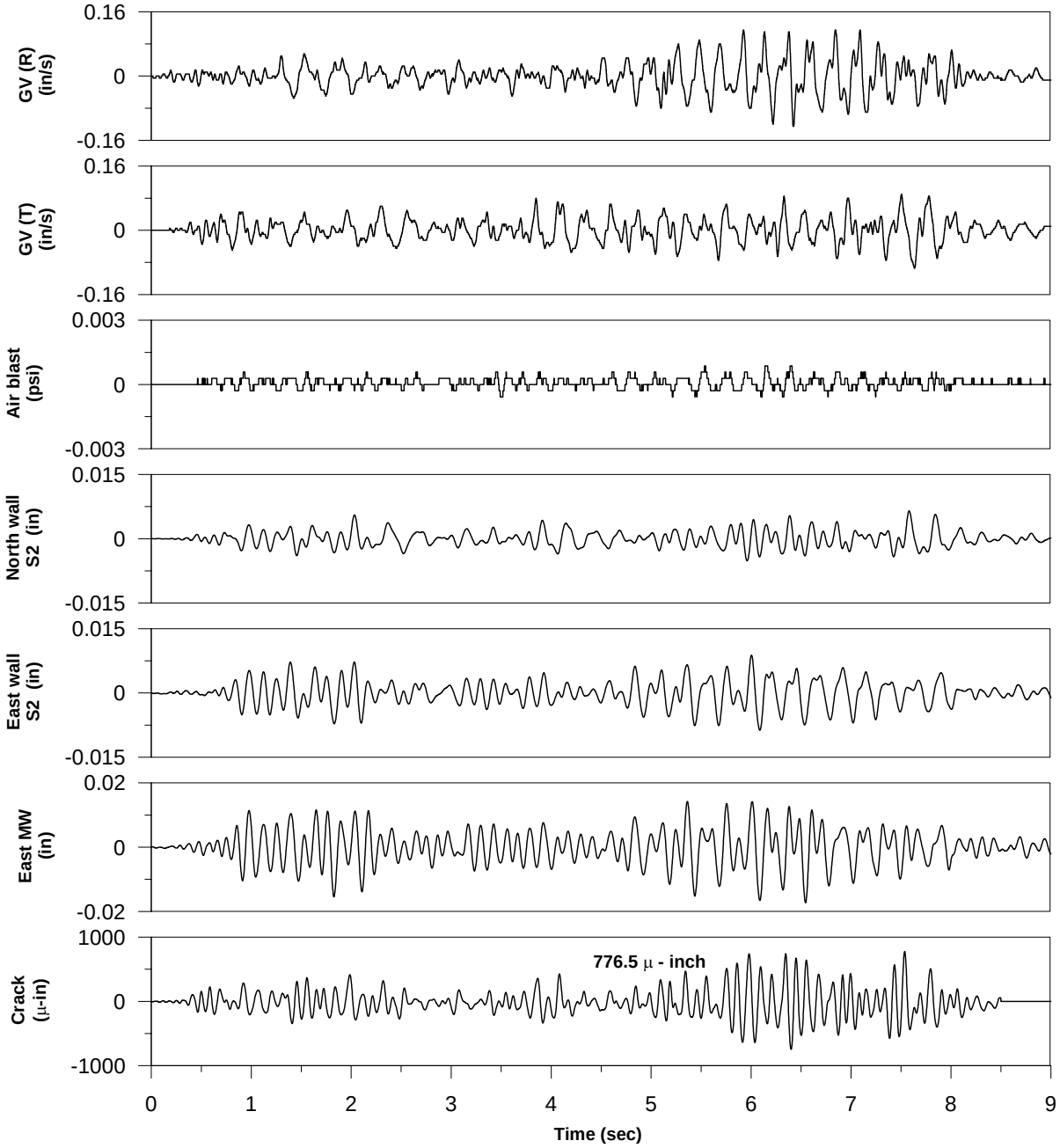
01/28/05


GV (R) (in/s)
0.16
0
-0.16
GV (T) (in/s)
0.16
0
-0.16
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.015
0
-0.015
East wall S2 (in)
0.015
0
-0.015
East MW (in)
0.015
0
-0.015
Crack (μ-in)
1000
0
-1000
729.8 μ - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

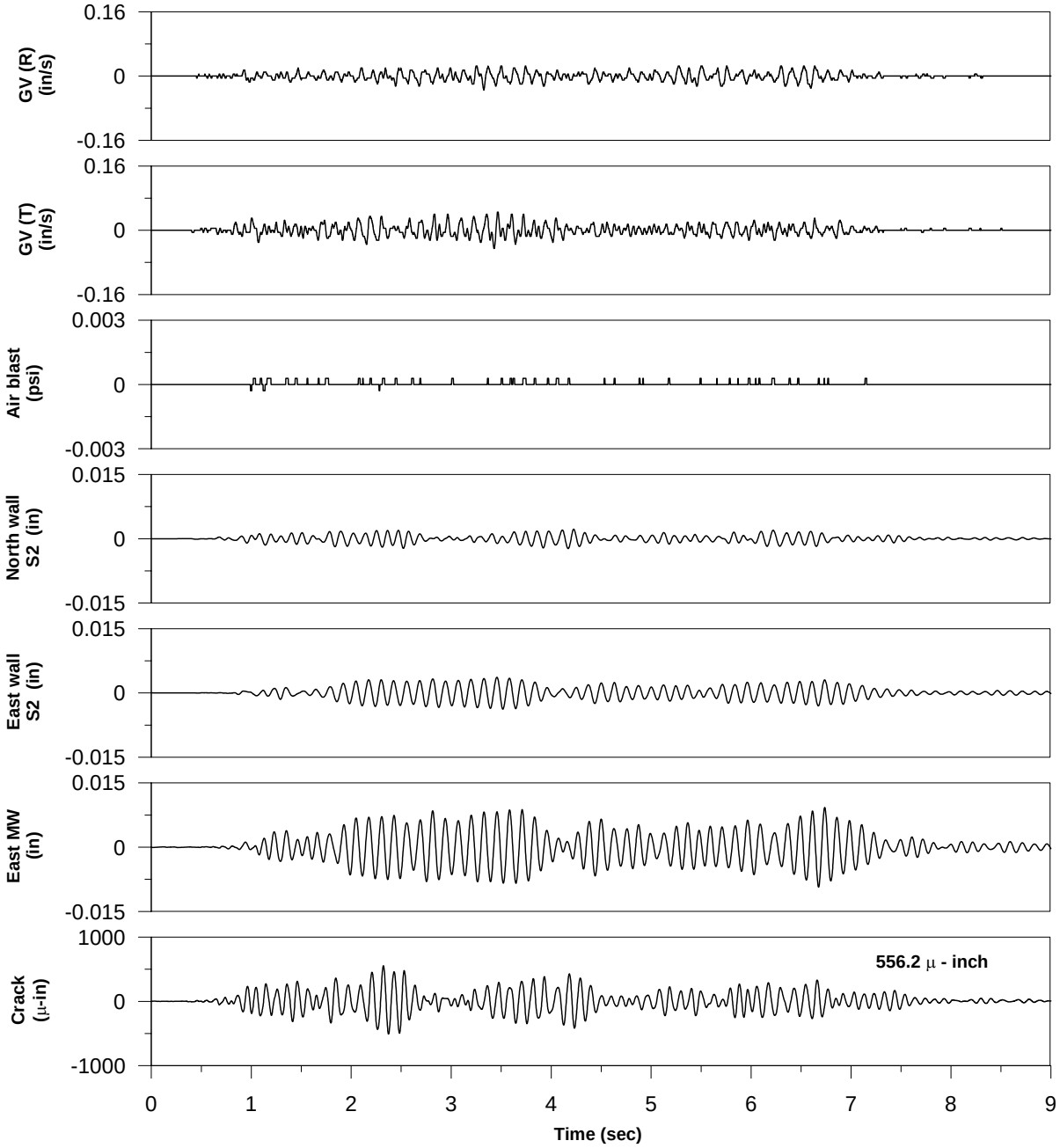
09/16/04


GV (R) (in/s)
0.16
0
-0.16
GV (T) (in/s)
0.16
0
-0.16
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.015
0
-0.015
East wall S2 (in)
0.015
0
-0.015
East MW (in)
0.015
0
-0.015
Crack (μ-in)
1000
0
-1000
249.2 μ - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

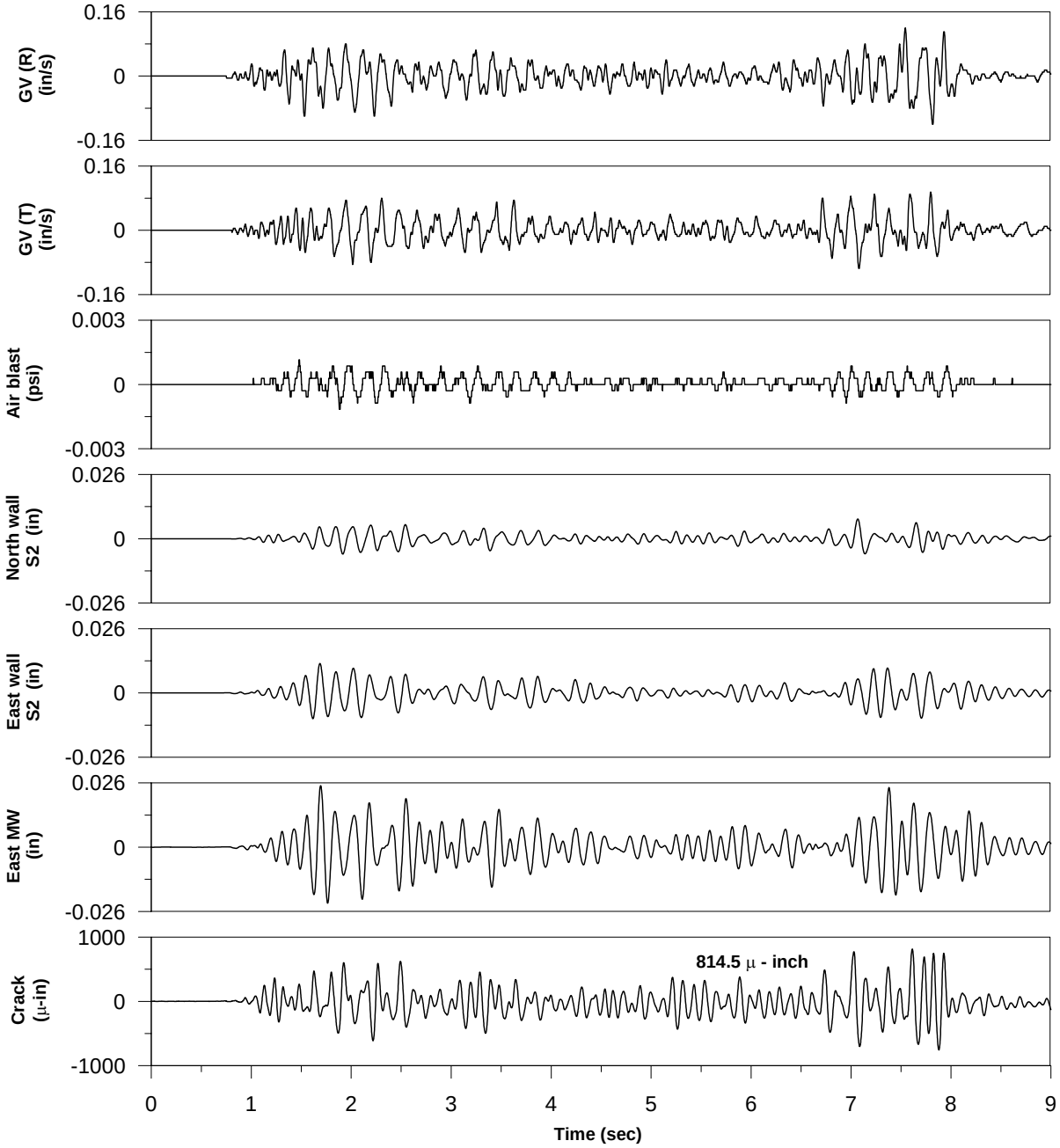
09/17/04


GV (R) (in/s)
0.16
0
-0.16
GV (T) (in/s)
0.16
0
-0.16
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.015
0
-0.015
East wall S2 (in)
0.015
0
-0.015
East MW (in)
0.02
0
-0.02
Crack (μ-in)
1000
0
-1000
776.5 μ - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

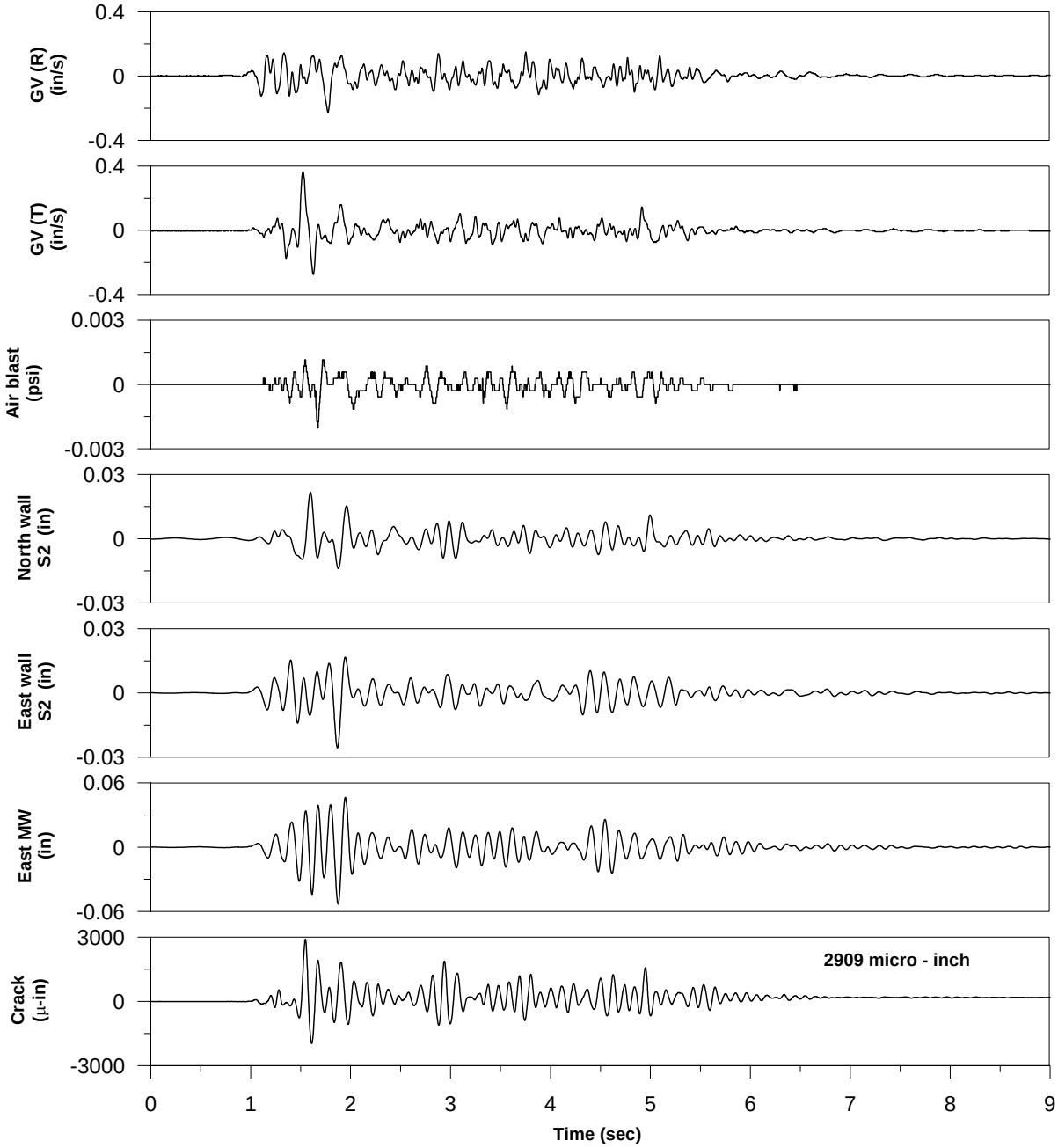
09/21/04


GV (R) (in/s)
0.16
0
-0.16
GV (T) (in/s)
0.16
0
-0.16
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.015
0
-0.015
East wall S2 (in)
0.015
0
-0.015
East MW (in)
0.015
0
-0.015
Crack (μ-in)
1000
0
-1000
556.2 μ - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

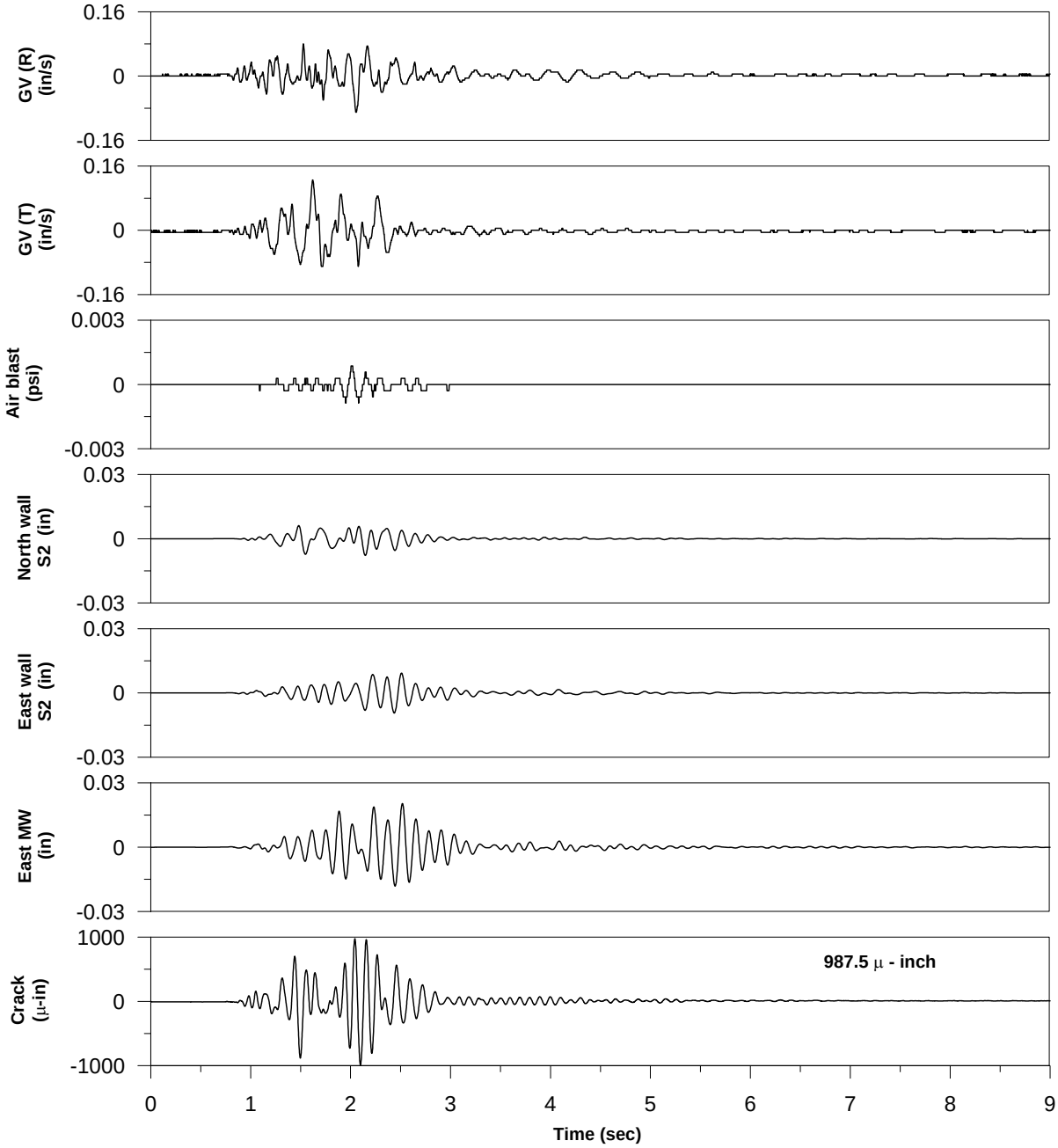
09/23/04


GV (R) (in/s)
0.16
0
-0.16
GV (T) (in/s)
0.16
0
-0.16
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.026
0
-0.026
East wall S2 (in)
0.026
0
-0.026
East MW (in)
0.026
0
-0.026
Crack (μ-in)
1000
0
-1000
814.5 μ - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

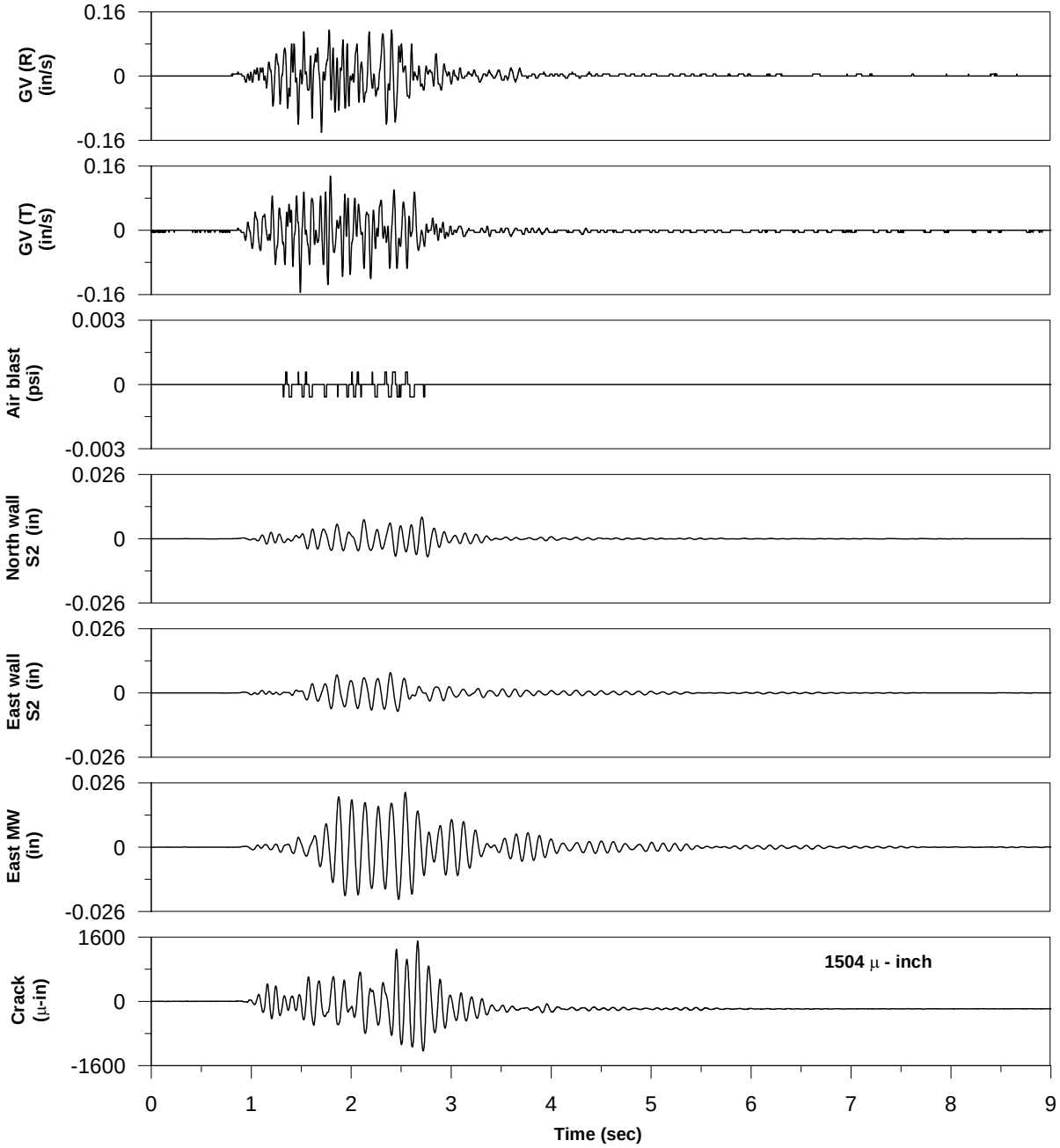
09/30/04


GV (R) (in/s)
0.4
0
-0.4
GV (T) (in/s)
0.4
0
-0.4
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.03
0
-0.03
East wall S2 (in)
0.03
0
-0.03
East MW (in)
0.06
0
-0.06
Crack (μ-in)
3000
0
-3000
2909 micro - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

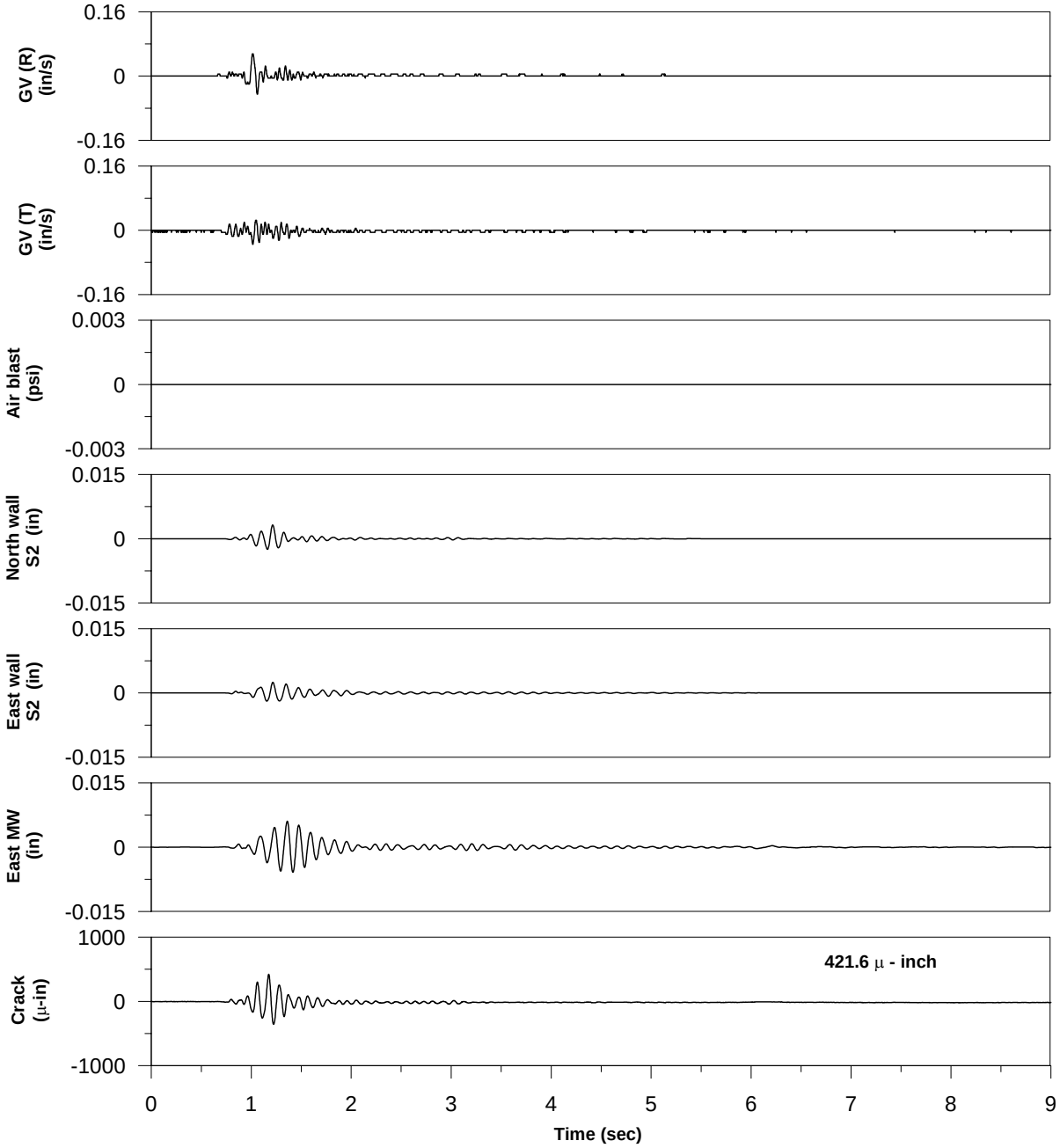
12/30/04 a


GV (R) (in/s)
0.16
0
-0.16
GV (T) (in/s)
0.16
0
-0.16
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.03
0
-0.03
East wall S2 (in)
0.03
0
-0.03
East MW (in)
0.03
0
-0.03
Crack (μ-in)
1000
0
-1000
987.5 μ - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

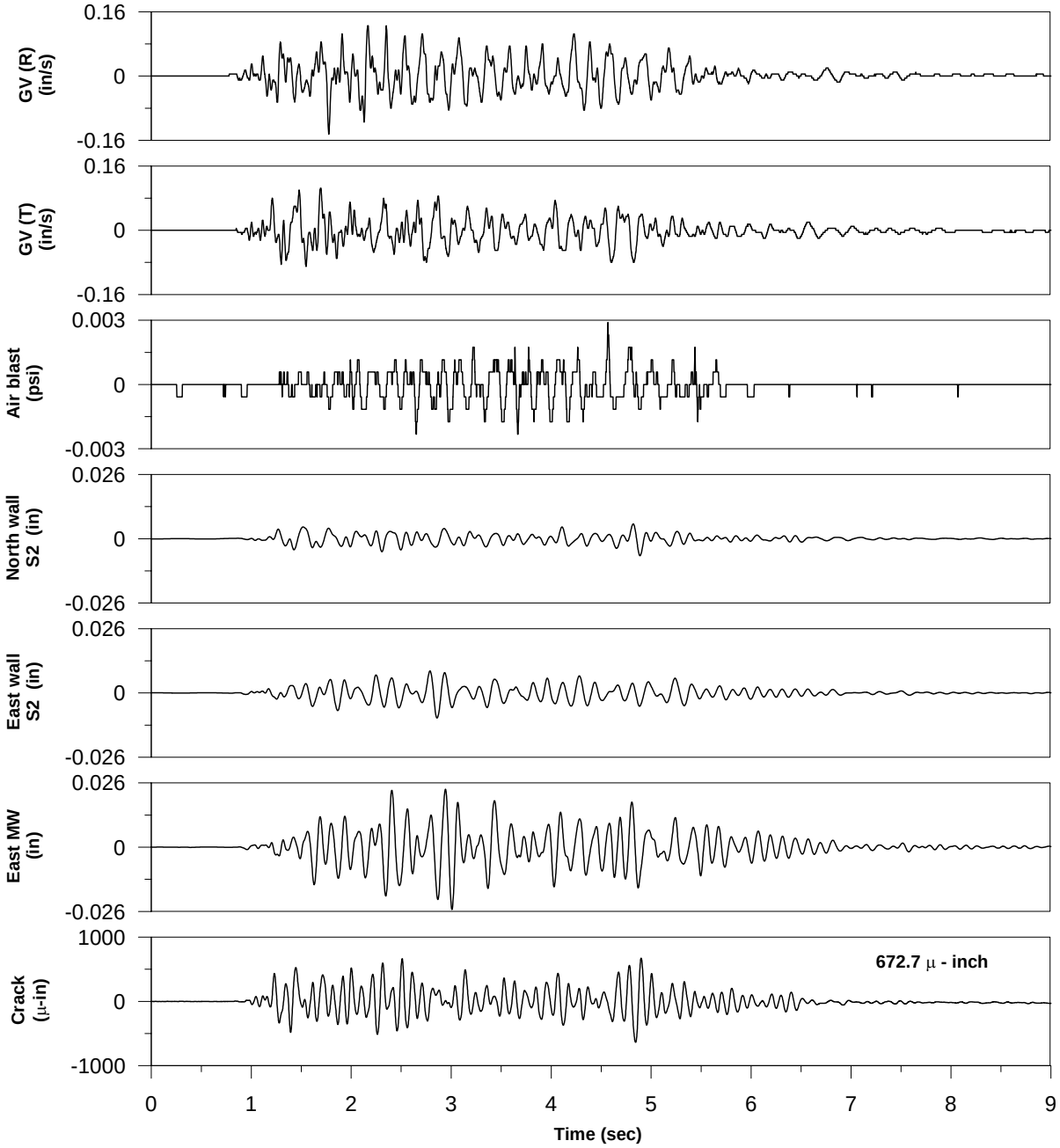
12/30/04 b


GV (R) (in/s)
0.16
0
-0.16
GV (T) (in/s)
0.16
0
-0.16
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.026
0
-0.026
East wall S2 (in)
0.026
0
-0.026
East MW (in)
0.026
0
-0.026
Crack (μ-in)
1600
0
-1600
1504 μ - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

01/27/05 a


GV (R) (in/s)
0.16
0
-0.16
GV (T) (in/s)
0.16
0
-0.16
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.015
0
-0.015
East wall S2 (in)
0.015
0
-0.015
East MW (in)
0.015
0
-0.015
Crack (μ-in)
1000
0
-1000
421.6 μ - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

01/27/05 b


GV (R) (in/s)
0.16
0
-0.16
GV (T) (in/s)
0.16
0
-0.16
Air blast (psi)
0.003
0
-0.003
North wall S2 (in)
0.026
0
-0.026
East wall S2 (in)
0.026
0
-0.026
East MW (in)
0.026
0
-0.026
Crack (μ-in)
1000
0
-1000
672.7 μ - inch
0
1
2
3
4
5
6
7
8
9
Time (sec)

01/28/05