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VIBRATION LABORATORY
http://www.king-design.com.tw
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TESTING / INSPECTION REPORT

DATE : July 28, 2003
REPORT NO : ST-030728-3

COMPANY : AAEON Technology Inc.
5F, No.135, Lane 235, Pao Chiao Rd.
Hsin-Tien City, Taipei, Taiwan, R. O. C.
TEL : 886-2-8919-1234
FAX : 886-2-8919-1049

SPECIMEN : AES-6100B / PD8700

TEST / INSPECTION ITEMS : Shock Test (See Page 2)

REMARKS :

- The results only apply to the device under test.
- This report is 16 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling pulse of shock test.

Test Engineer : <i>Dennis</i>	
Approved by : <i>2003.8.4 Dave Lee</i>	Laboratory Head : <i>Dennis Ting 2003/08/28</i>



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TESTING / INSPECTION REPORT

TESTING EQUIPMENT :

- 1. Shock Testing System : (KD-DP-1200-25)
- 2. Controller : (DP-1200)
- 3. Accelerometer : (WR-732AT, S/N:871)

TEST ENVIRONMENT :

- Temperature : $25 \pm 2^{\circ}\text{C}$
- Humidity : $70 \pm 20\% \text{RH}$

SPECIMEN :

- Model : AES-6100B / PD8700
- Quantity : Each model 1 piece

SHOCK TEST SPECIFICATION :

- Wave Form : Half Sine wave
- Acceleration : 15 g
- Duration Time : 11 ms
- No. of Shock : Each axis 3 times
- Shock Direction : +X, -X, +Y, -Y, +Z, -Z axis

TEST RESULT :

Appearance check : No damage

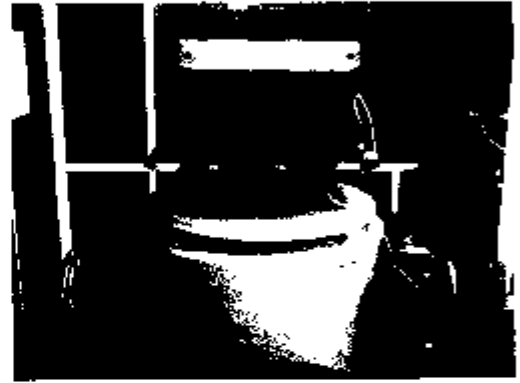
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TESTING / INSPECTION REPORT

Testing photo

AXIS $\pm X$



AXIS $\pm Y$



AXIS $\pm Z$



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TESTING / INSPECTION REPORT

Testing photo

AXIS ±X



AXIS ±Y



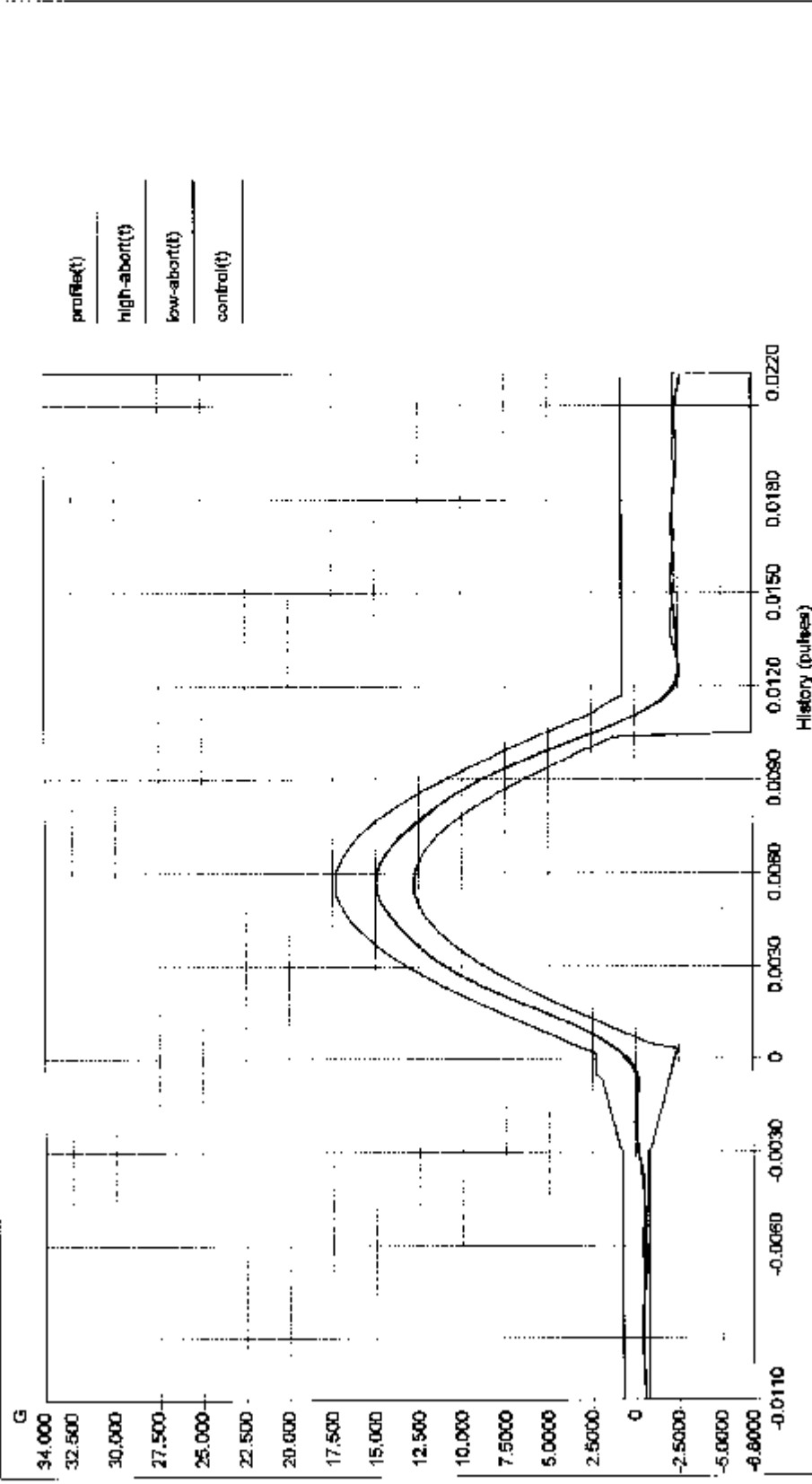
AXIS ±Z



CFD-AXIS +X

Project File Name: 15g 11ms

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: \Run Jul 26, 2003 11-01-10



Level: 100 % Block Size: 4086 Elapsed Pulses: 11

Frame Time: 0.662667 Seconds Control Peak: 14.939714 G Control RMS: 1.491886 G Full Level Elapsed Pulses: 3

dt: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480626 G Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 11:01:33 AM, Saturday, July 26, 2003 Report created at 11:01:33 AM, Saturday, July 26, 2003

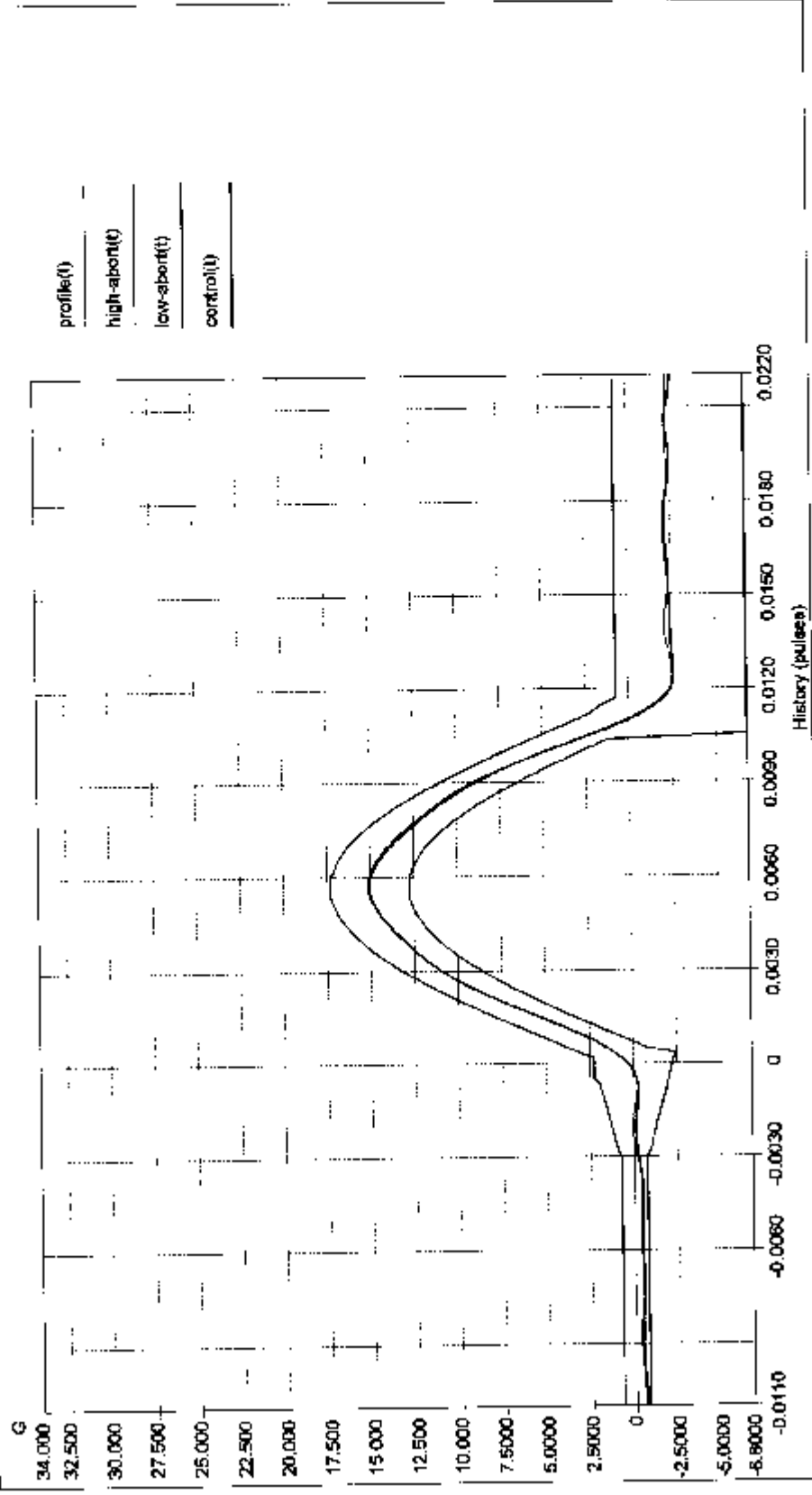
CFD AXIS -X

Project File Name: 15g 11ms :

Run Folder: \Run Jul 26,2003 11-10-29

Test Type:Classical Shock

Profile Name: 15G 11mSec



Level: 100 % Block Size: 4096 Elapsed Pulses:11

Frame Time: 0.682667 Seconds Control Peak: 15.097170 G Control RMS: 1.500633 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

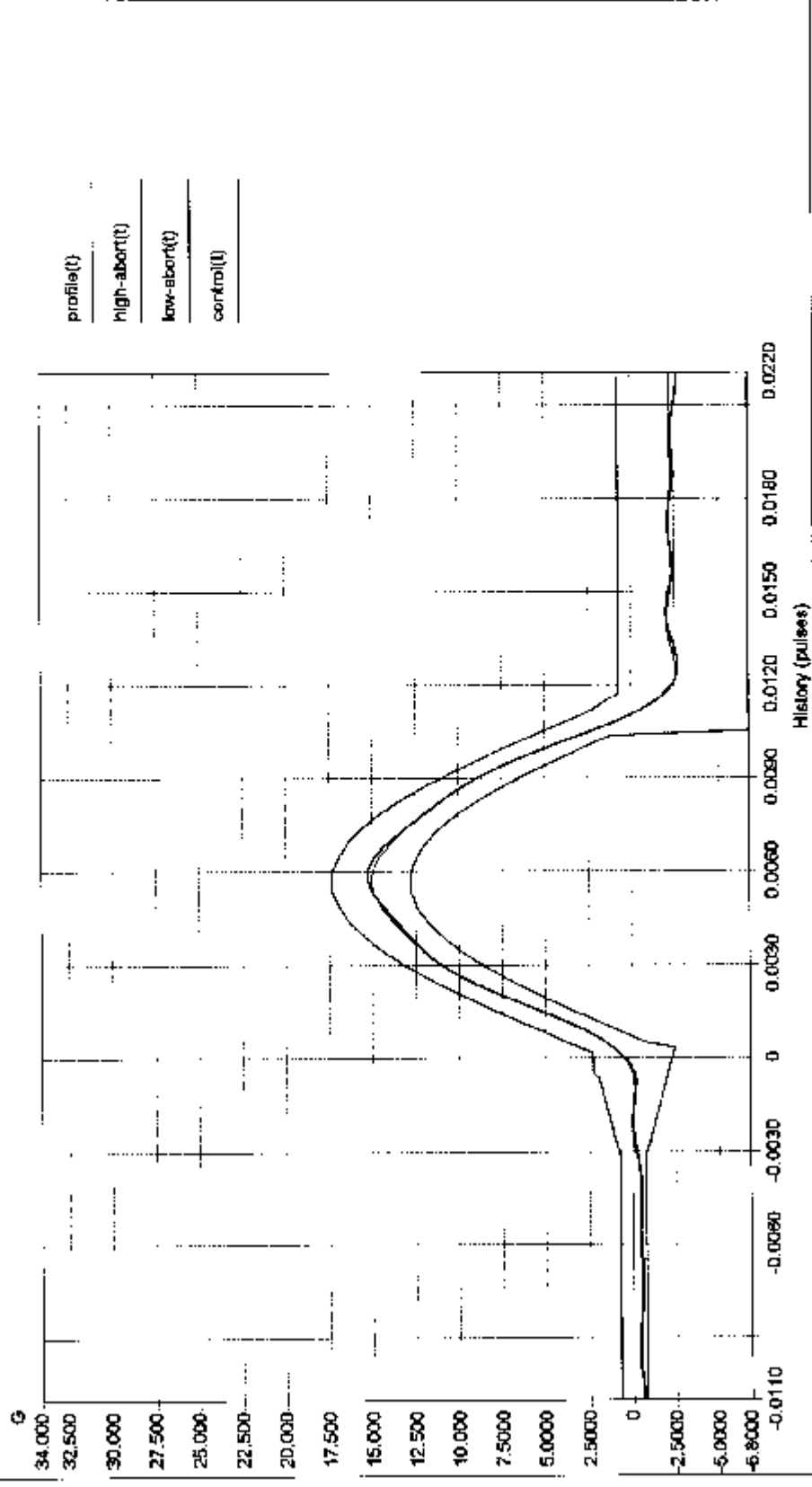
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 11:10:52 AM, Saturday, July 26, 2003 Report created at 11:10:53 AM, Saturday, July 26, 2003

CFD AXIS +Y

Project File Name: 15g 11ms

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 26,2003 10-51-46



Level: 100 % Block Size: 4096 Elapsed Pulses: 11

Frame Time: 0.682667 Seconds Control Peak: 15.238388 G Control RMS: 1.493923 G Full Level Elapsed Pulses: 3

dT: 0.000187 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

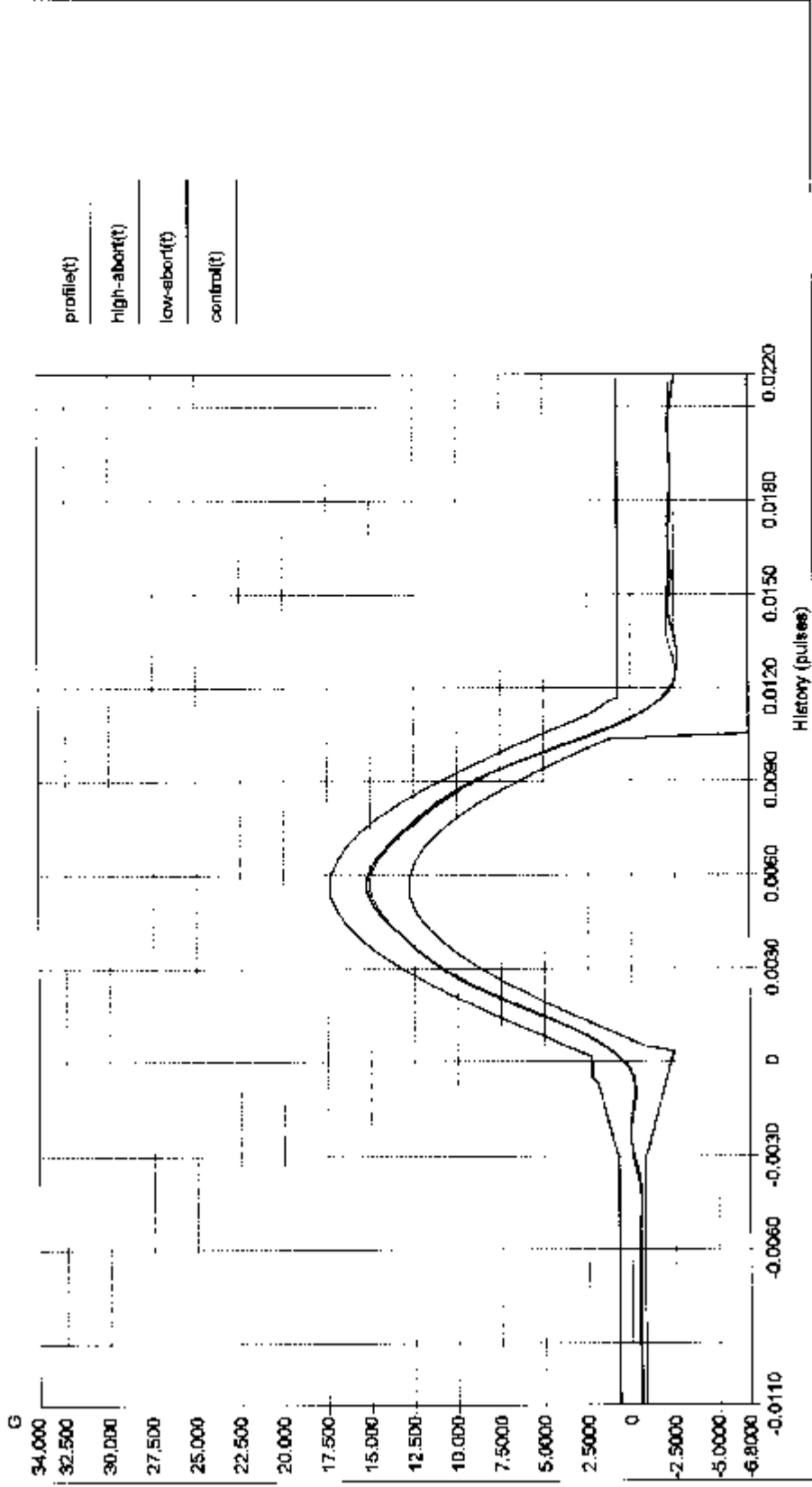
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 10:53:18 AM, Saturday, July 26, 2003 Report created at 10:53:19 AM, Saturday, July 26, 2003

CFD AXIS-Y

Project File Name: 15g 11ms

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\Run Jul 26, 2003 10-58-14



Level: 100 % Block Size: 4096 Elapsed Pulses: 11

Frame Time: 0.682567 Seconds Control Peak: 15.217358 G Control RMS: 1.497334 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.989999 G Demand RMS: 1.480628 G Remaining Pulses: 0

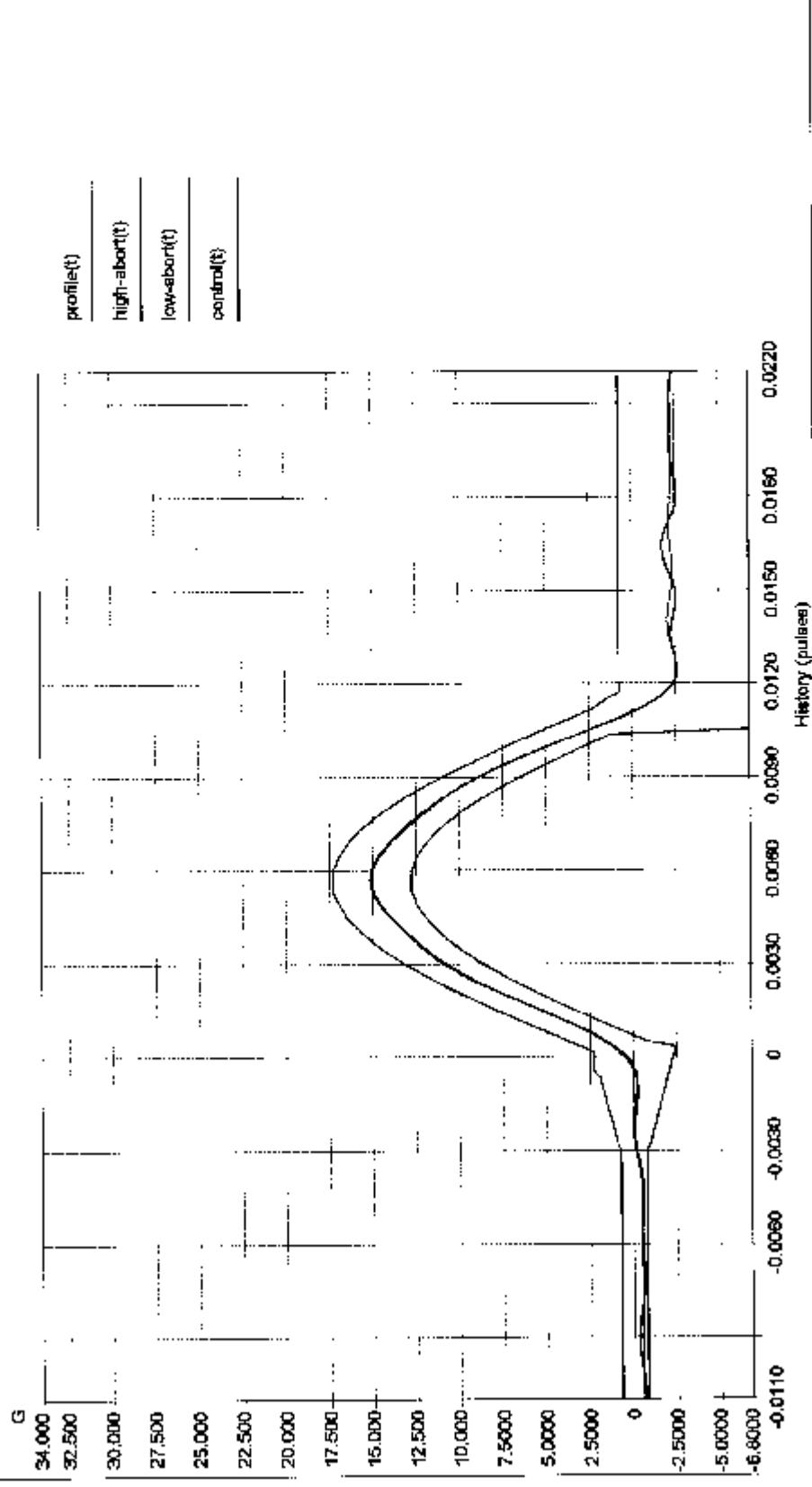
Pulse Type: Half Sine Amplitude: 14.989999 G Pulse Width: 11.000001 ms

Data saved at 11:00:09 AM, Saturday, July 26, 2003 Report created at 11:00:10 AM, Saturday, July 26, 2003

CFD AXIS +Z

Project File Name: 15g 11ms

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .Run Jul 26, 2003 10-39-34



Level: 100 % Block Size: 4096 Elapsed Pulses: 11

Frame Time: 0.682667 Seconds Control Peak: 15.101165 G Control RMS: 1.494917 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

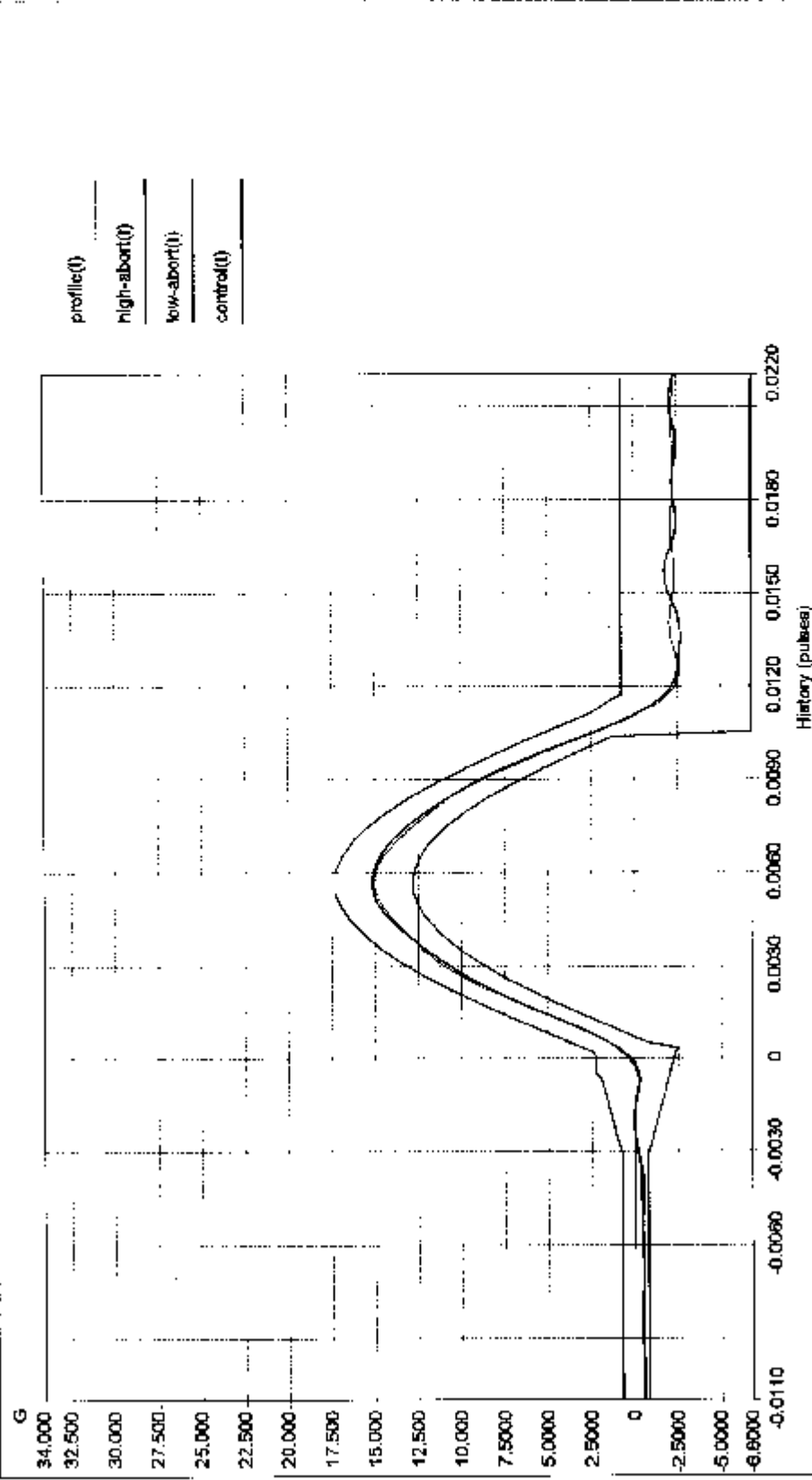
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 10:40:05 AM, Saturday, July 26, 2003 Report created at 10:40:12 AM, Saturday, July 26, 2003

CFD-Axis-z

Project File Name: 15g 11ms

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: \Run Jul 26, 2003 10-44-57



Level: 100 % Block Size: 4096 Elapsed Pulses: 11

Frame Time: 0.662667 Seconds Control Peak: 15.116113 G Control RMS: 1.497422 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.460628 G Remaining Pulses: 0

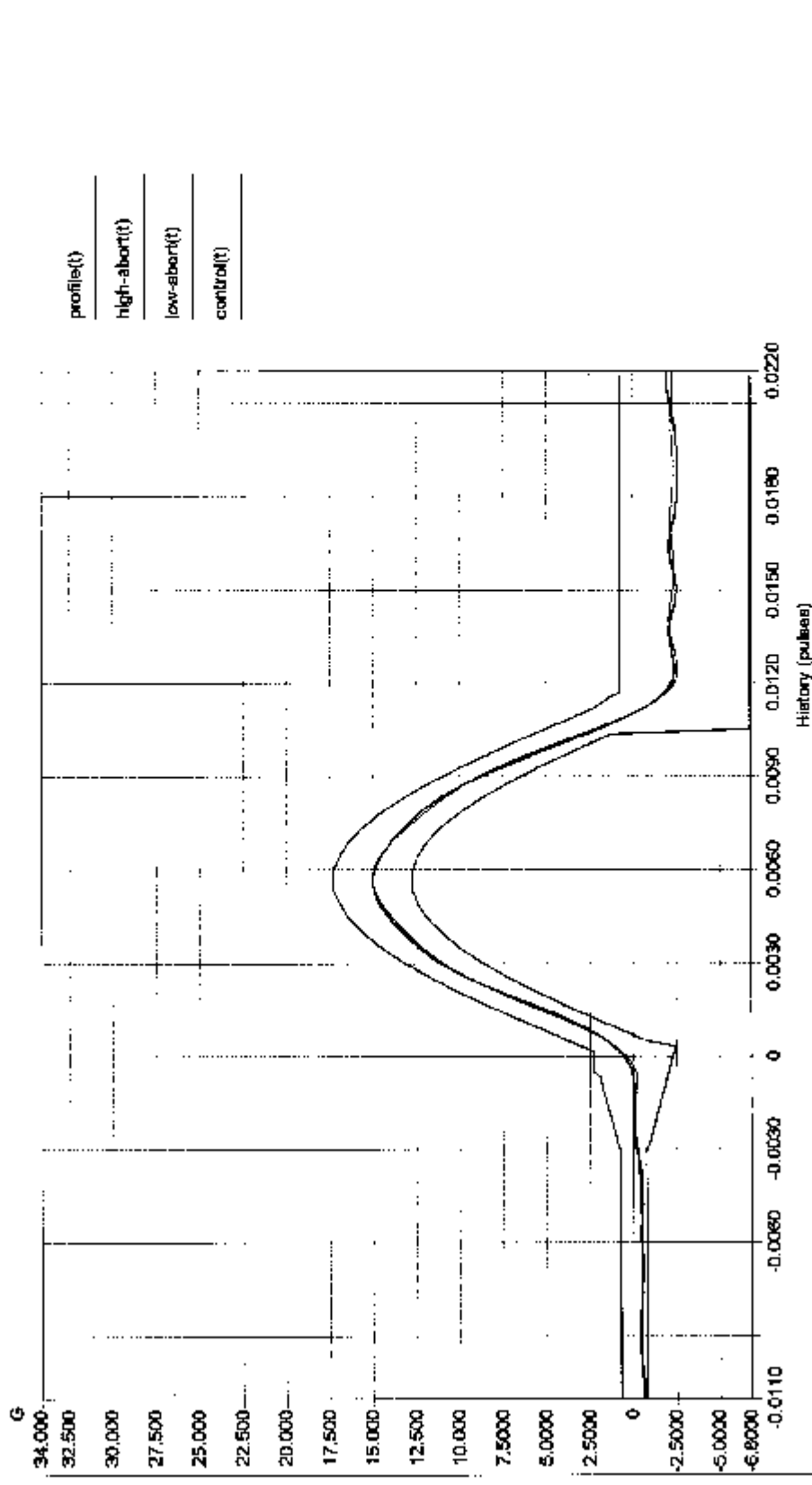
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 10:45:46 AM, Saturday, July 26, 2003 Report created at 10:45:50 AM, Saturday, July 26, 2003

MONITOR Axis +X

Project File Name: 15g 11ms

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: Run Jul 26, 2003 11-54-20



Level: 100 % Block Size: 4096 Elapsed Pulses: 11

Frame Time: 0.682667 Seconds Control Peak: 14.987787 G Control RMS: 1.494371 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

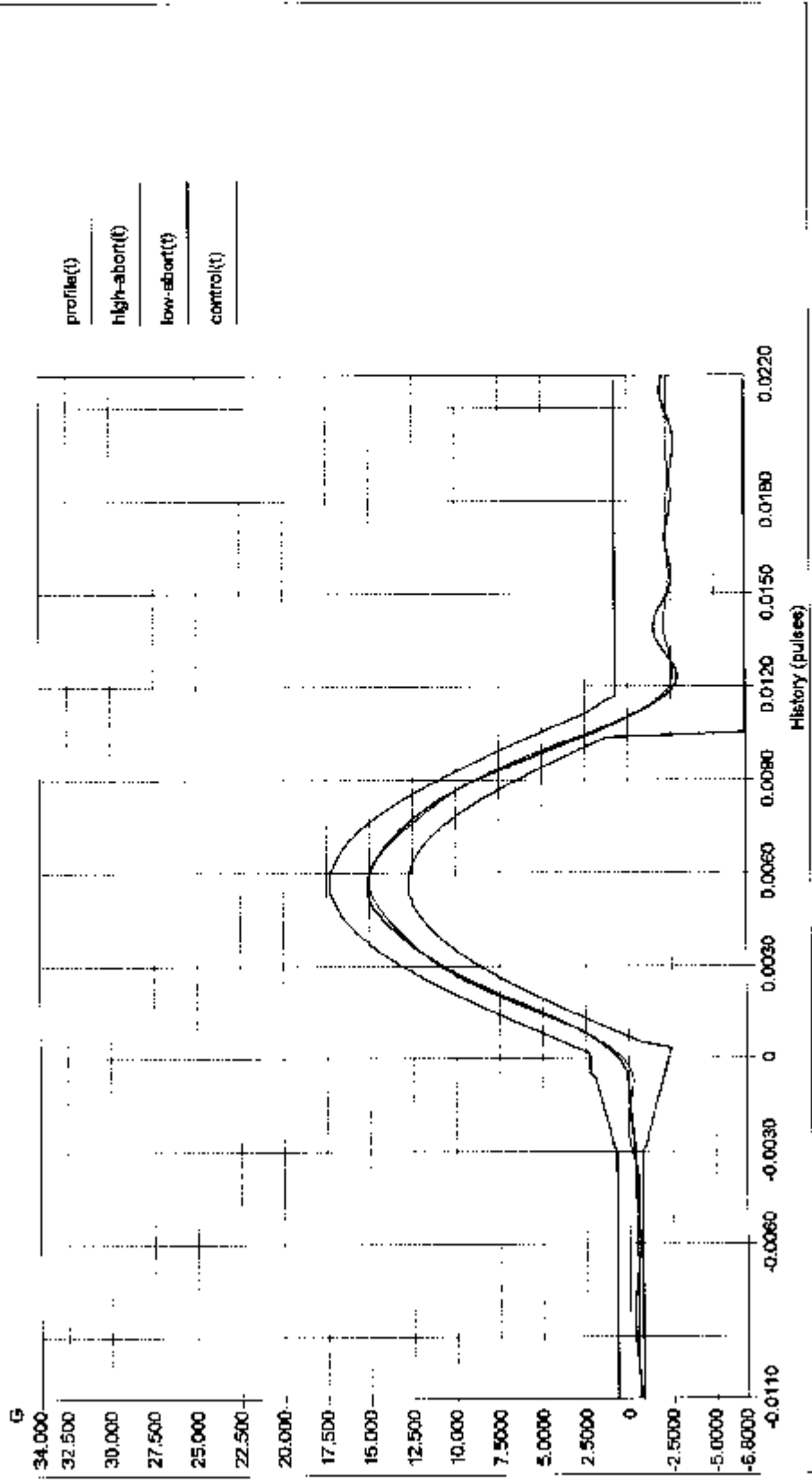
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 11:54:42 AM, Saturday, July 26, 2003 Report created at 11:54:44 AM, Saturday, July 26, 2003

MONITOR Axis-X

Project File Name: 15g 11ms 1

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: Run Jul 26, 2003 12-15-39



Level: 100 % Block Size: 4086 Elapsed Pulses: 11

Frame Time: 0.682867 Seconds Control Peak: 15.129389 G Control RMS: 1.495667 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

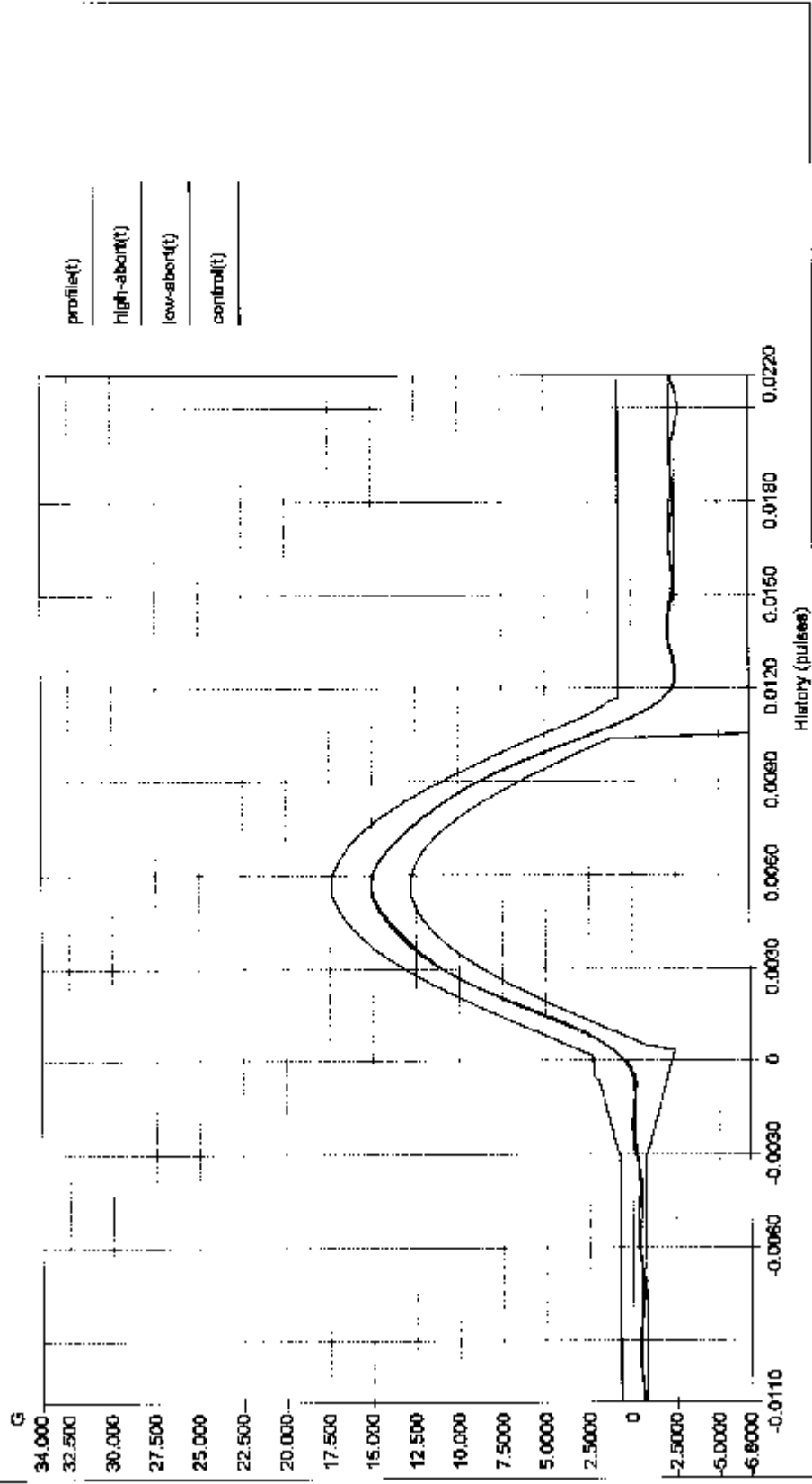
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 12:16:03 PM, Saturday, July 26, 2003 Report created at 12:16:04 PM, Saturday, July 26, 2003

MONITOR AXIS +Y

Project File Name: 15g 11ms

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .Run Jul 26, 2003 11-48-11



Level: 100 % Block Size: 4096 Elapsed Pulses: 11

Frame Time: 0.682567 Seconds Control Peak: 15.050031 G Control RMS: 1.493036 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

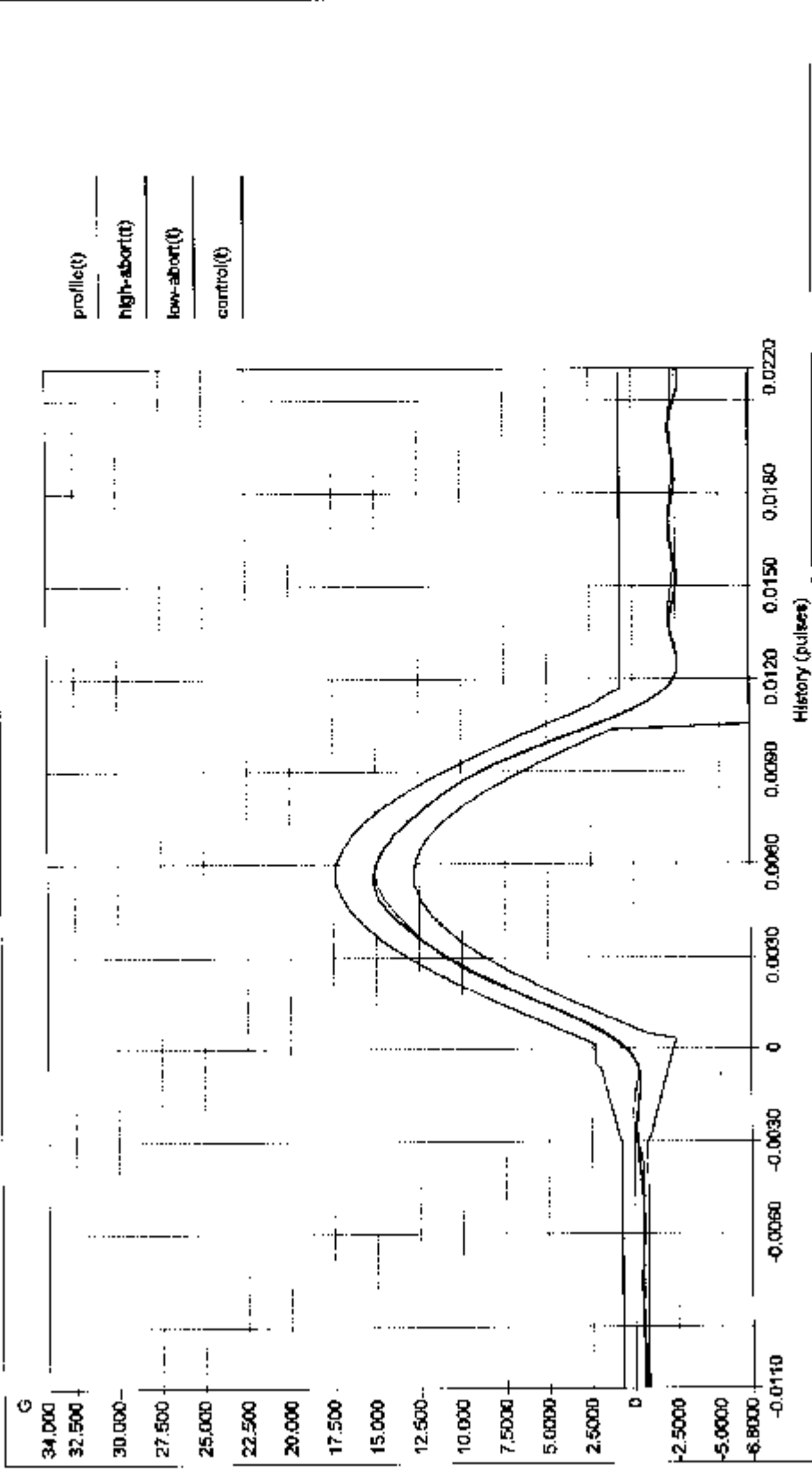
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 11:48:35 AM, Saturday, July 26, 2003 Report created at 11:48:36 AM, Saturday, July 26, 2003

MONITOR AXIS -Y

Project File Name: 15g 11ms

Profile Name: 15G 11mSec Test Type:Classical Shock Run Folder: .Run Jul 26,2003 11-39-29



Level: 100 % Block Size: 4096 Elapsed Pulses: 11

Frame Time: 0.682667 Seconds Control Peak: 15.096867 G Control RMS: 1.496672 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

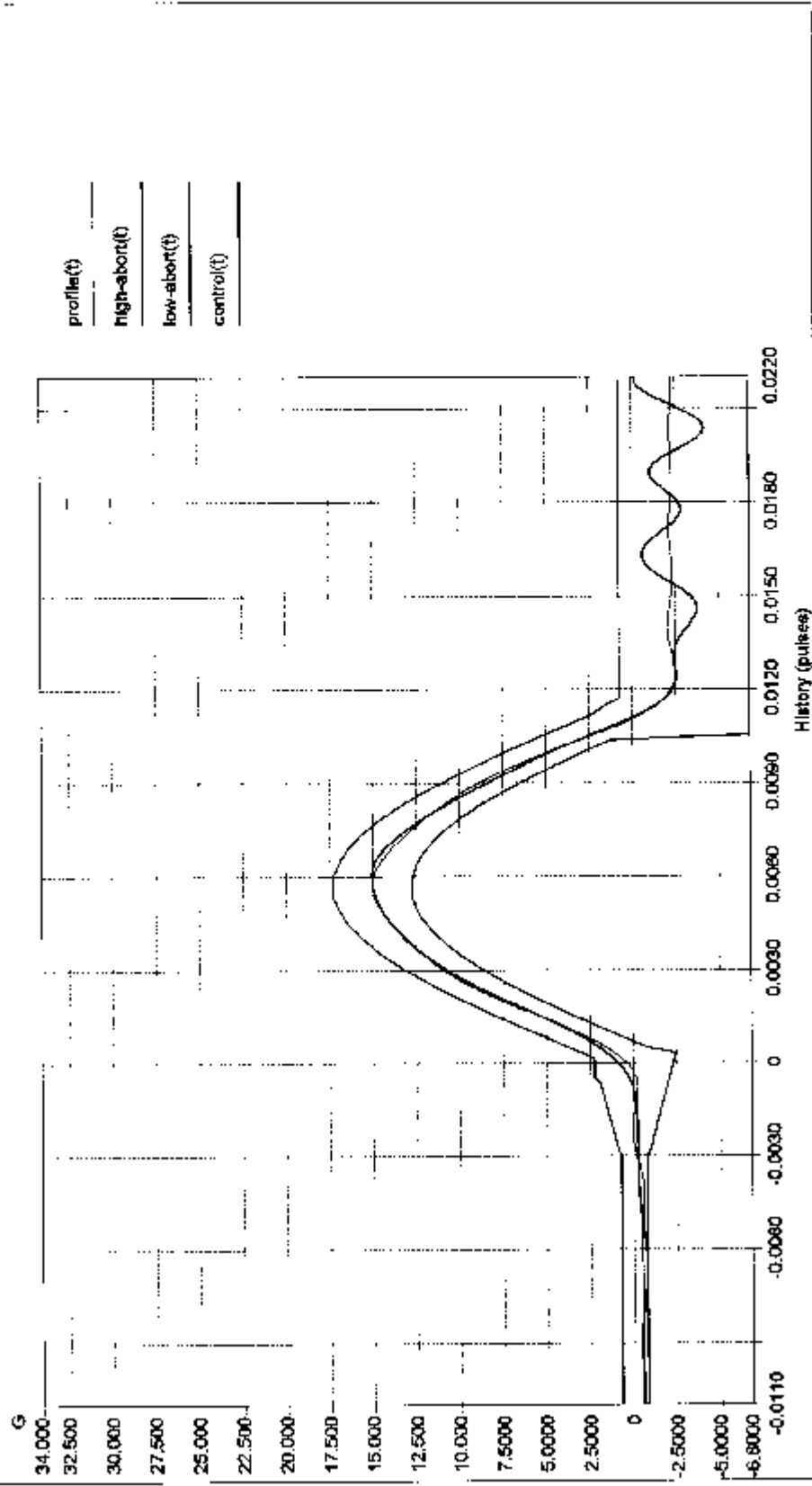
Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 11:40:07 AM, Saturday, July 26, 2003 Report created at 11:40:08 AM, Saturday, July 26, 2003

MONITOR AXIS +Z

Project File Name: 15g 11ms

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: Run Jul 26, 2003 11-24-41



Level: 100 % Block Size: 40% Elapsed Pulses: 11

Frame Time: 0.682667 Seconds Control Peak: 15.031923 G Control RMS: 1.502316 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.460628 G Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 11:25:04 AM, Saturday, July 26, 2003 Report created at 11:25:04 AM, Saturday, July 26, 2003

MONITOR AXIS -Z

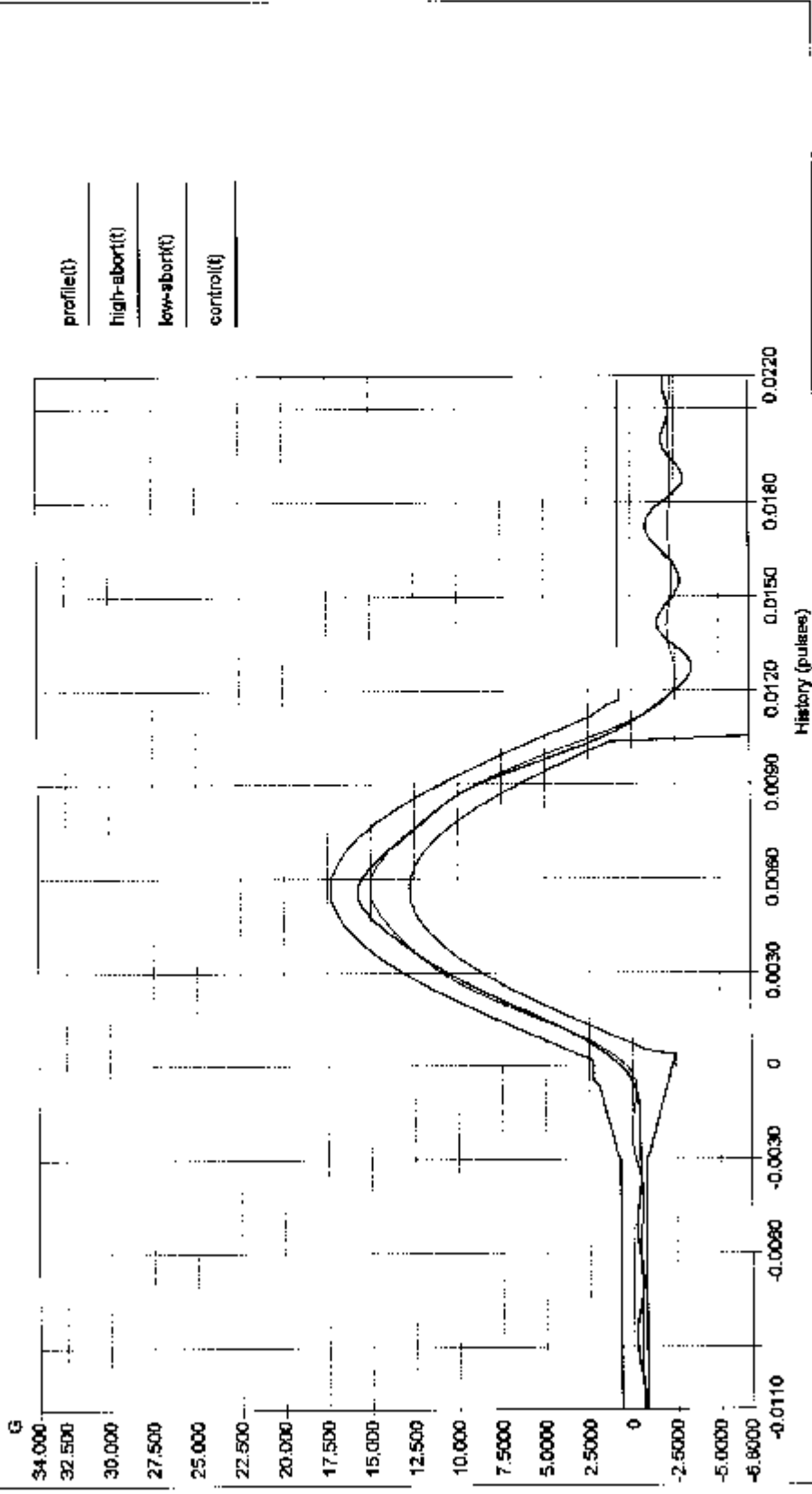
Project File Name: 15g 11ms {

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder:

.Run Jul 26, 2003 11-28-15



Level: 100 % Block Size: 4096 Elapsed Pulses: 11

Frame Time: 0.682667 Seconds Control Peak: 15.718911 G Control RMS: 1.505738 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 11:28:37 AM, Saturday, July 26, 2003 Report created at 11:28:38 AM, Saturday, July 26, 2003