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VIBRATION LABORATORY  
<http://www.king-design.com.tw>  
E-mail: kingdsgn@ms8.hinet.net

## TESTING / INSPECTION REPORT

DATE : March 11, 2003  
REPORT NO : ST-030311-1

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 : AMB-2000 V2.0 / ONYX-158

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 : *Chi Ping Chan*

Approved by : *Dave Lee*  
*2003.3.12*

Laboratory Head :

*2003/3/12 Hung Chen Li*



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### TESTING EQUIPMENT :

- |  |  |
|--|--|
| 1. Shock Tester : KING DESIGN                | (KD-9363-600F2K-50N120,<br>S/N: KDS11054783) |
| 2. Controller : DACTRON                      | (DSC System Version 0.922, S/N: 635651)      |
| 3. Control Accelerometer : Wilcoxon Research | (WR-777, S/N: 3425)                          |

### TEST ENVIRONMENT :

- |             |             |
|-------------|-------------|
| Temperature | : 23±2°C    |
| Humidity    | : 70±20% RH |

### SPECIMEN :

- |          |                            |
|----------|----------------------------|
| Model    | : AMB-2000 V2.0 / ONYX-158 |
| Quantity | : Each model 1 piece       |

### SHOCK TEST SPECIFICATION :

- |                 |                               |
|-----------------|-------------------------------|
| Wave Form       | : Half sine wave (Operating)  |
| 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 |
| Function check   | : Normal    |

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## TESTING / INSPECTION REPORT

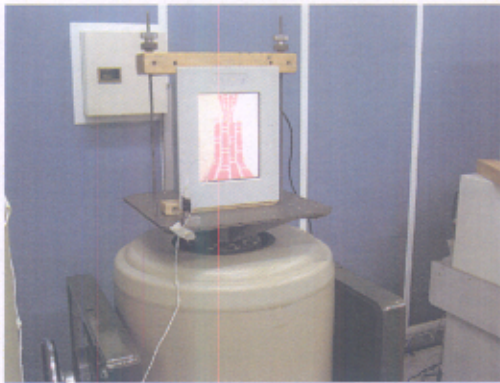
### Testing photos

**AMB-2000 V2.0**

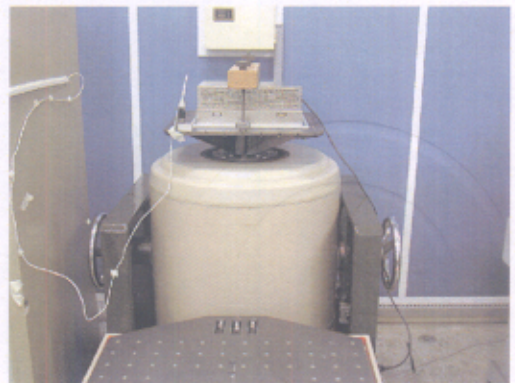
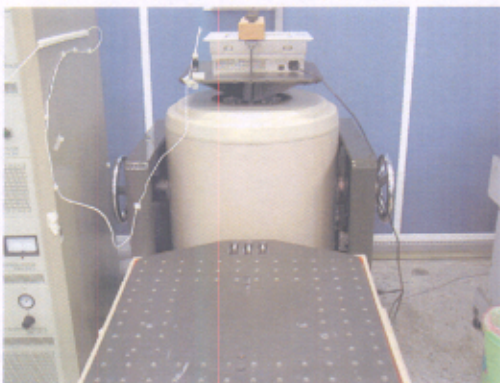
**AXIS  $\pm X$**



**AXIS  $\pm Y$**



**AXIS  $\pm Z$**



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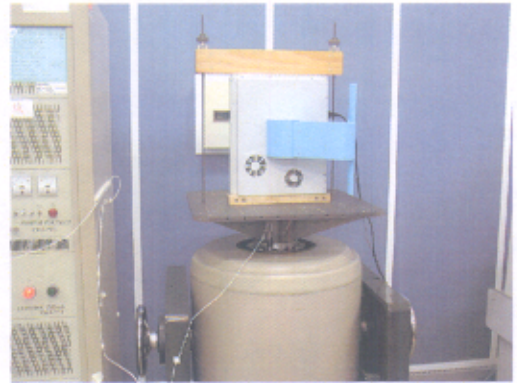
## TESTING / INSPECTION REPORT

### Testing photos

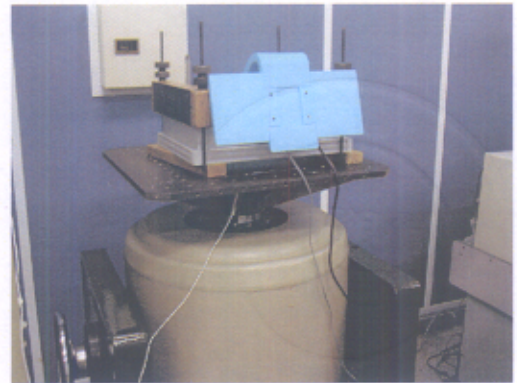
#### ONYX-158 AXIS $\pm$ X



#### AXIS $\pm$ Y



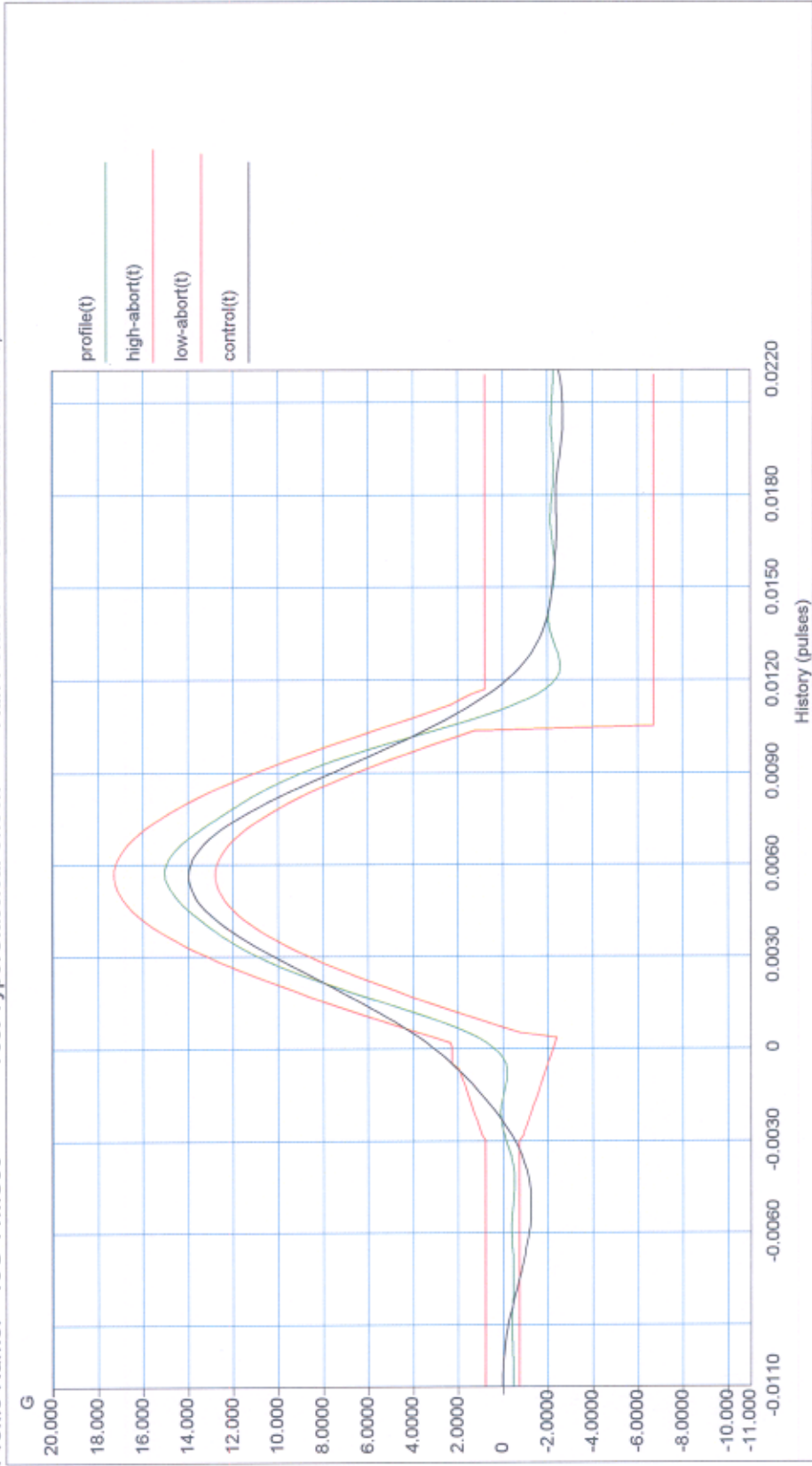
#### AXIS $\pm$ Z



AXIS X AMB-2000 V2.0

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 15-23-19



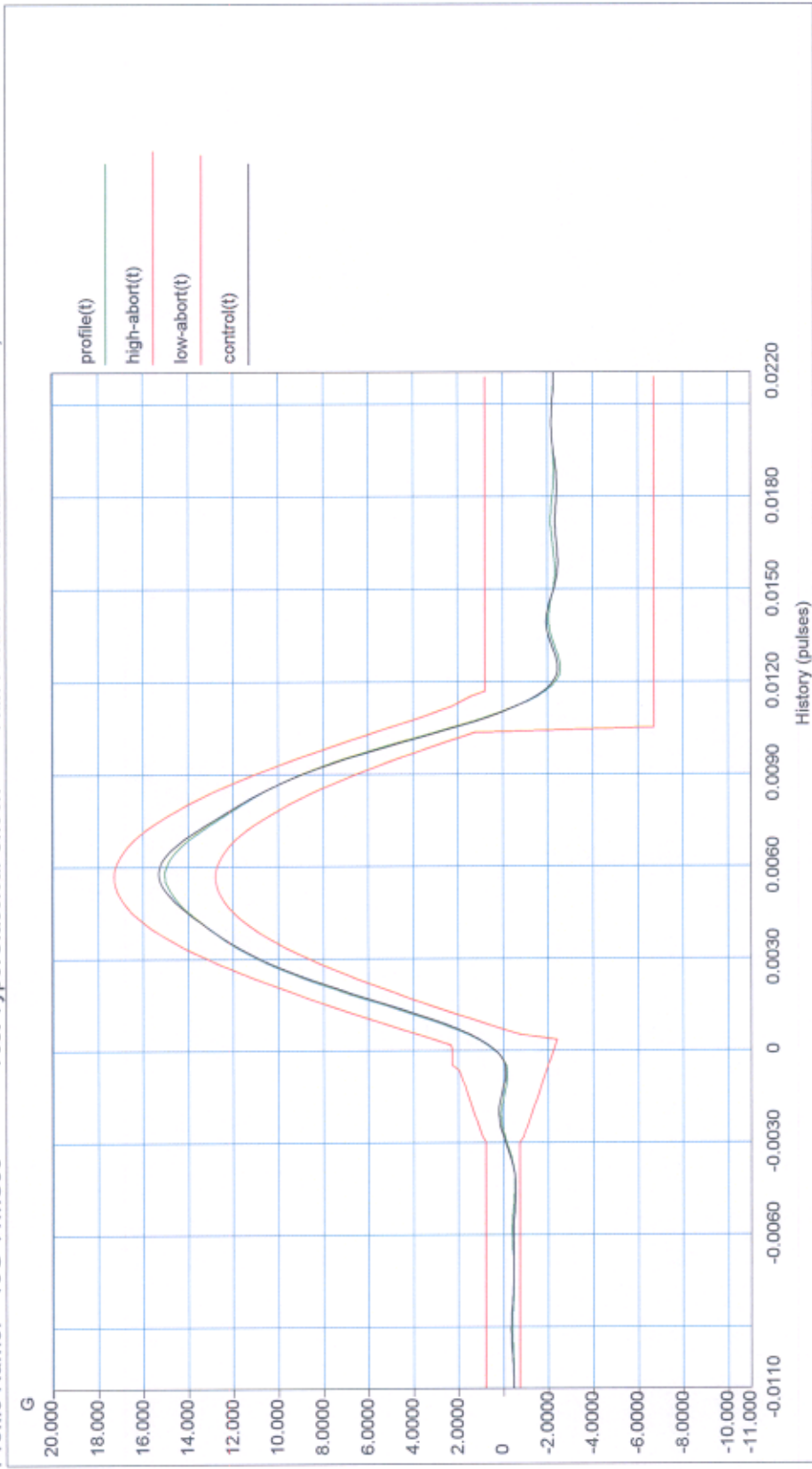
Level: 100 % Block Size: 4096 Elapsed Pulses: 11  
Frame Time: 0.682667 Seconds Control Peak: 30.758705 G Control RMS: 2.136652 G Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms

Data saved at 03:24:17 PM, Tuesday, March 11, 2003 Report created at 03:24:22 PM, Tuesday, March 11, 2003

AXIS -X AMB-2000 V2.0

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 15-25-53

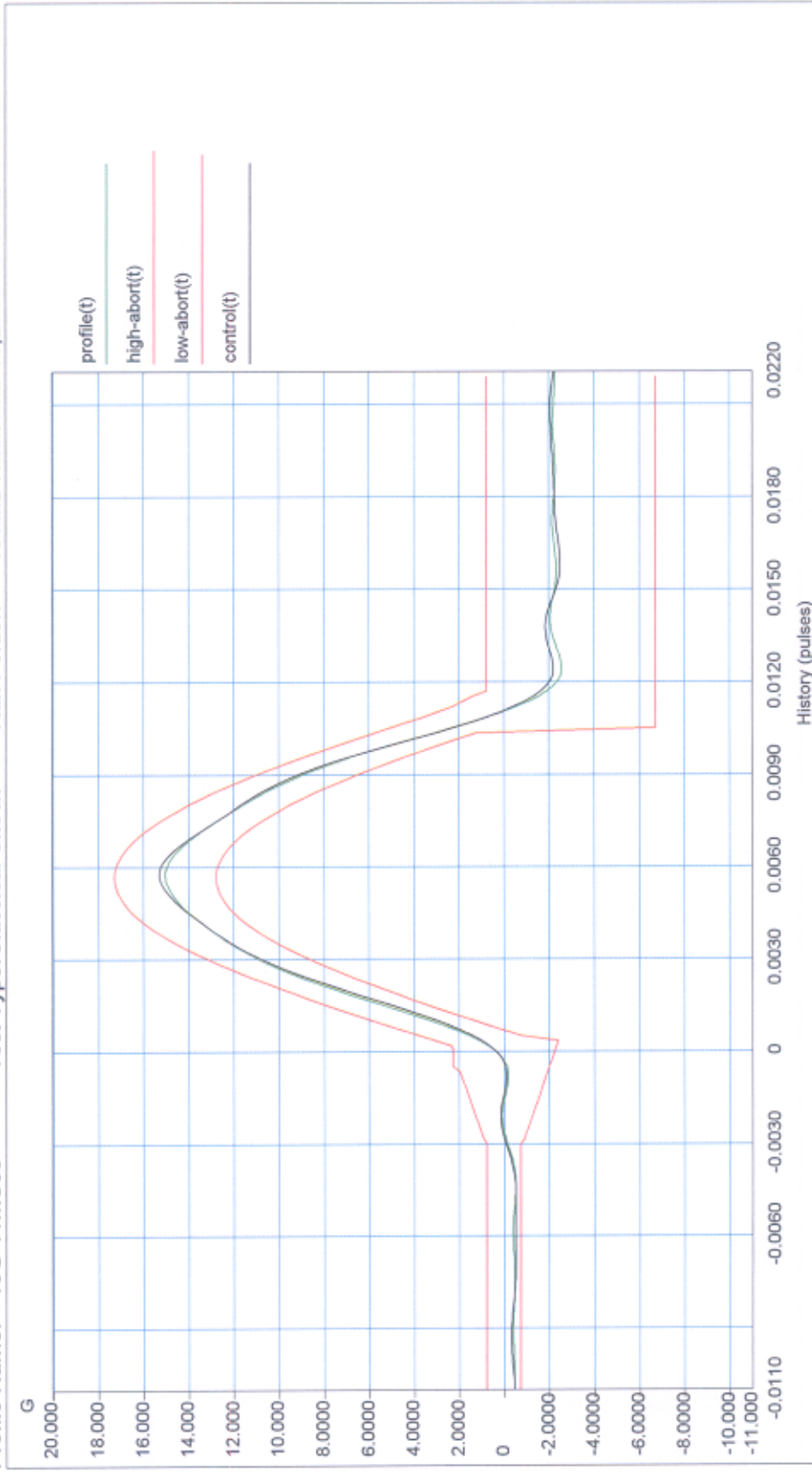


Level: 100 % Block Size: 4096 Elapsed Pulses: 11  
Frame Time: 0.682667 Seconds Control Peak: 15.270488 G Control RMS: 1.496946 G Full Level Elapsed Pulses: 3  
dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms  
Data saved at 03:32:23 PM, Tuesday, March 11, 2003 Report created at 03:32:27 PM, Tuesday, March 11, 2003

AXIS Y AMB-2000 V2.0

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 15-48-52



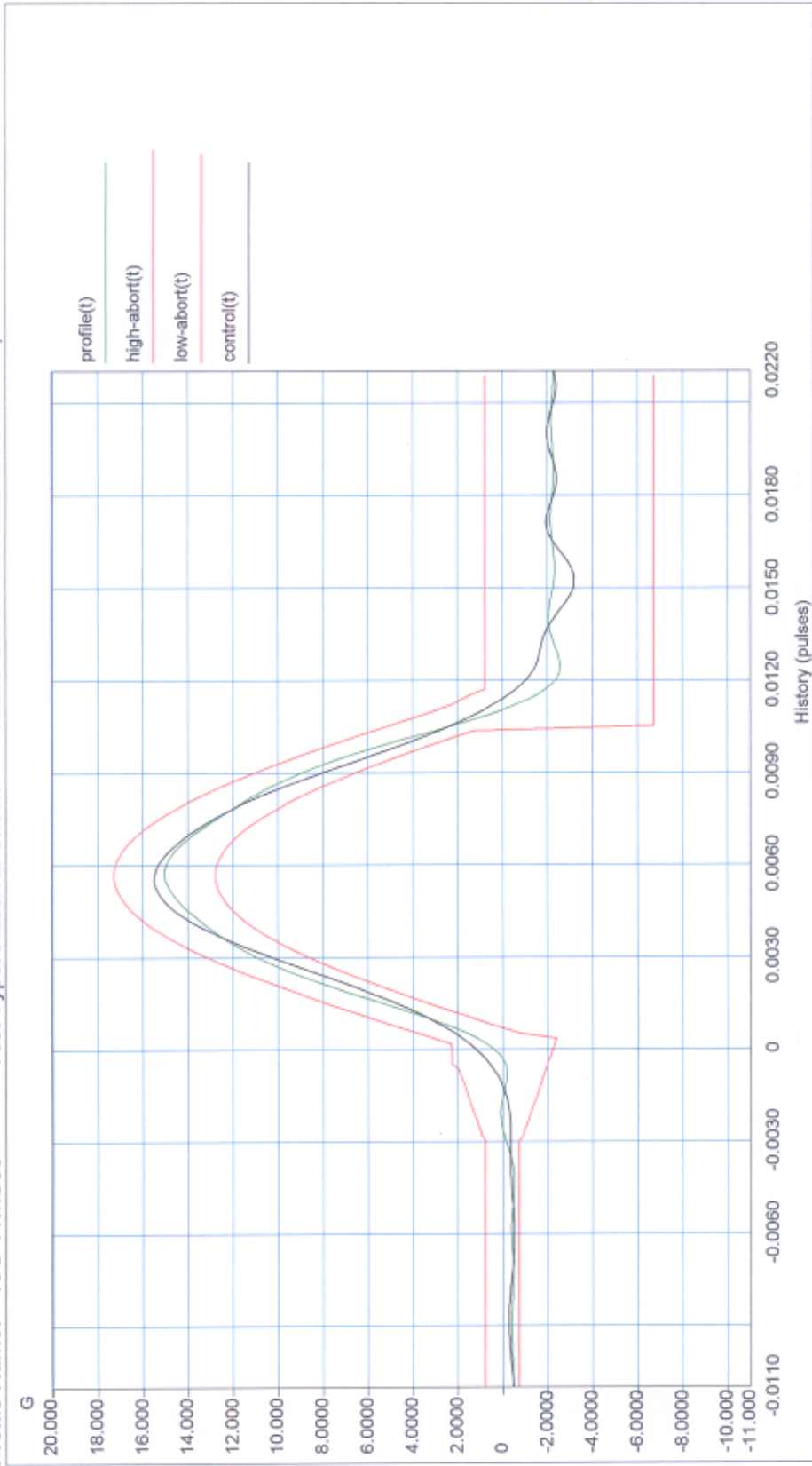
Level: 100 % Block Size: 4096 Elapsed Pulses: 11 Full Level Elapsed Pulses: 3  
Frame Time: 0.682667 Seconds Control Peak: 15.259458 G Control RMS: 1.494418 G  
dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms

Data saved at 03:49:16 PM, Tuesday, March 11, 2003 Report created at 03:49:21 PM, Tuesday, March 11, 2003

AXIS -Y AMB-2000 V2.0

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 15-53-55



Level: 100 % Block Size: 4096 Elapsed Pulses: 11 Full Level Elapsed Pulses: 3  
Frame Time: 0.682667 Seconds Control Peak: 15.457599 G Control RMS: 1.520828 G  
dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0  
Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms

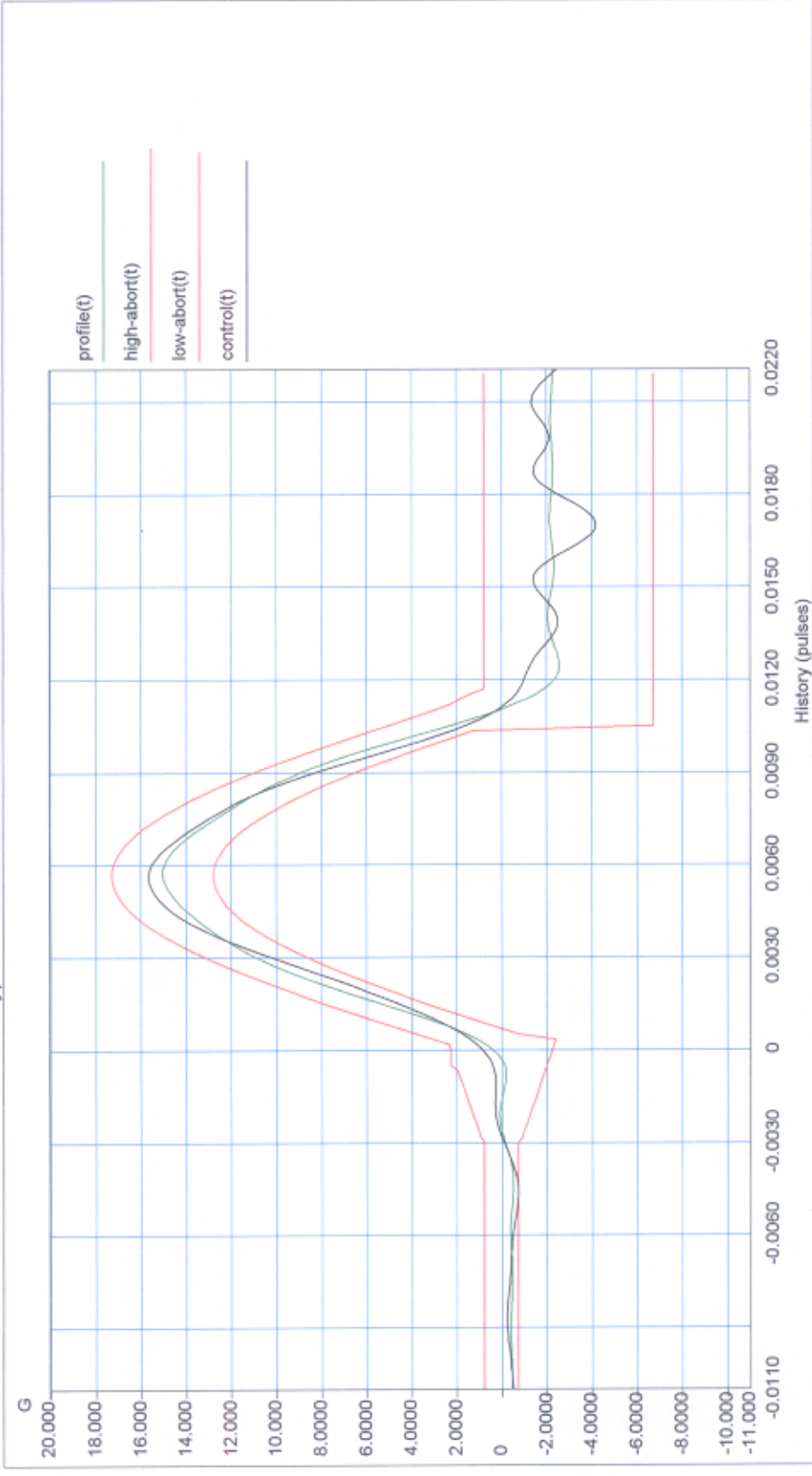
Data saved at 03:54:18 PM, Tuesday, March 11, 2003 Report created at 03:54:22 PM, Tuesday, March 11, 2003



AXIS Z AMB-2000 V2.0

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 14:58:38

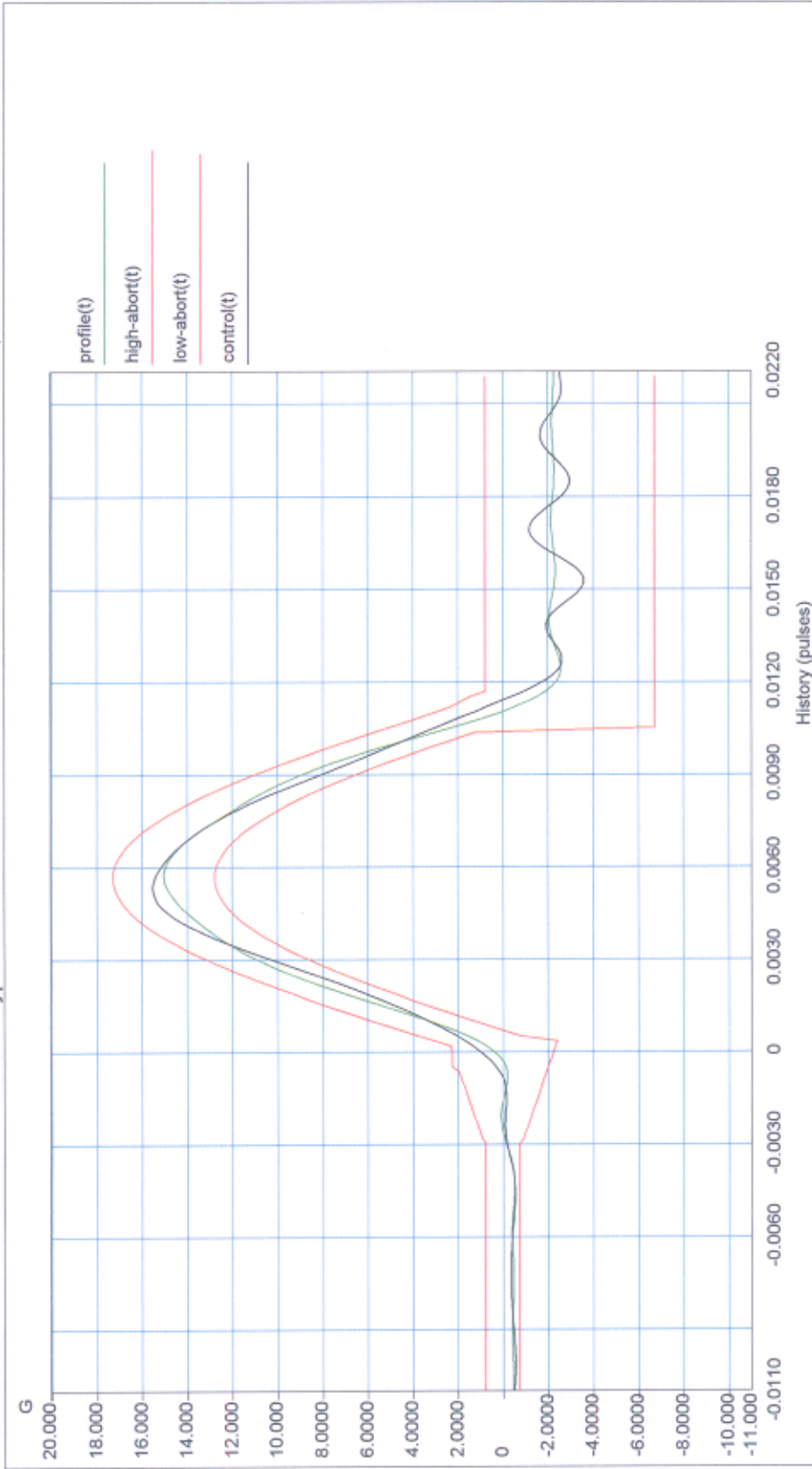


Level: 100 % Block Size: 4096 Elapsed Pulses: 10 Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds Control Peak: 15.611773 G Control RMS: 1.499585 G  
 dt: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms  
 Report created at 02:59:01 PM, Tuesday, March 11, 2003

AXIS -Z AMB-2000 V2.0

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 15-00-03



Level: 100 % Block Size: 4096 Elapsed Pulses: 10

Frame Time: 0.682667 Seconds Control Peak: 15.479753 G Control RMS: 1.497719 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0

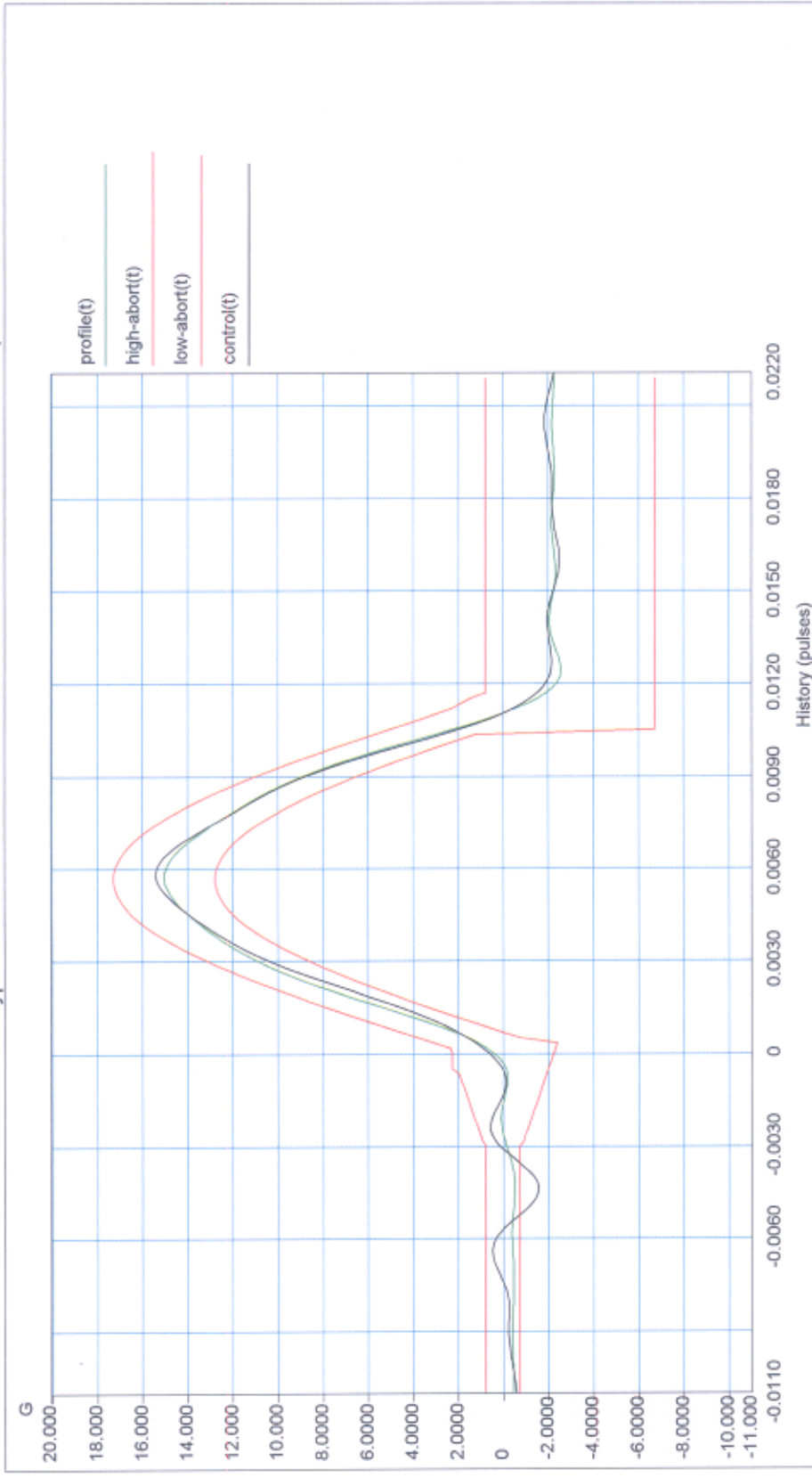
Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms

Data saved at 03:03:16 PM, Tuesday, March 11, 2003 Report created at 03:03:20 PM, Tuesday, March 11, 2003

AXIS X ONYX-158

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 16-05-44



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

Frame Time: 0.682667 Seconds Control Peak: 15.369121 G Control RMS: 1.484387 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0

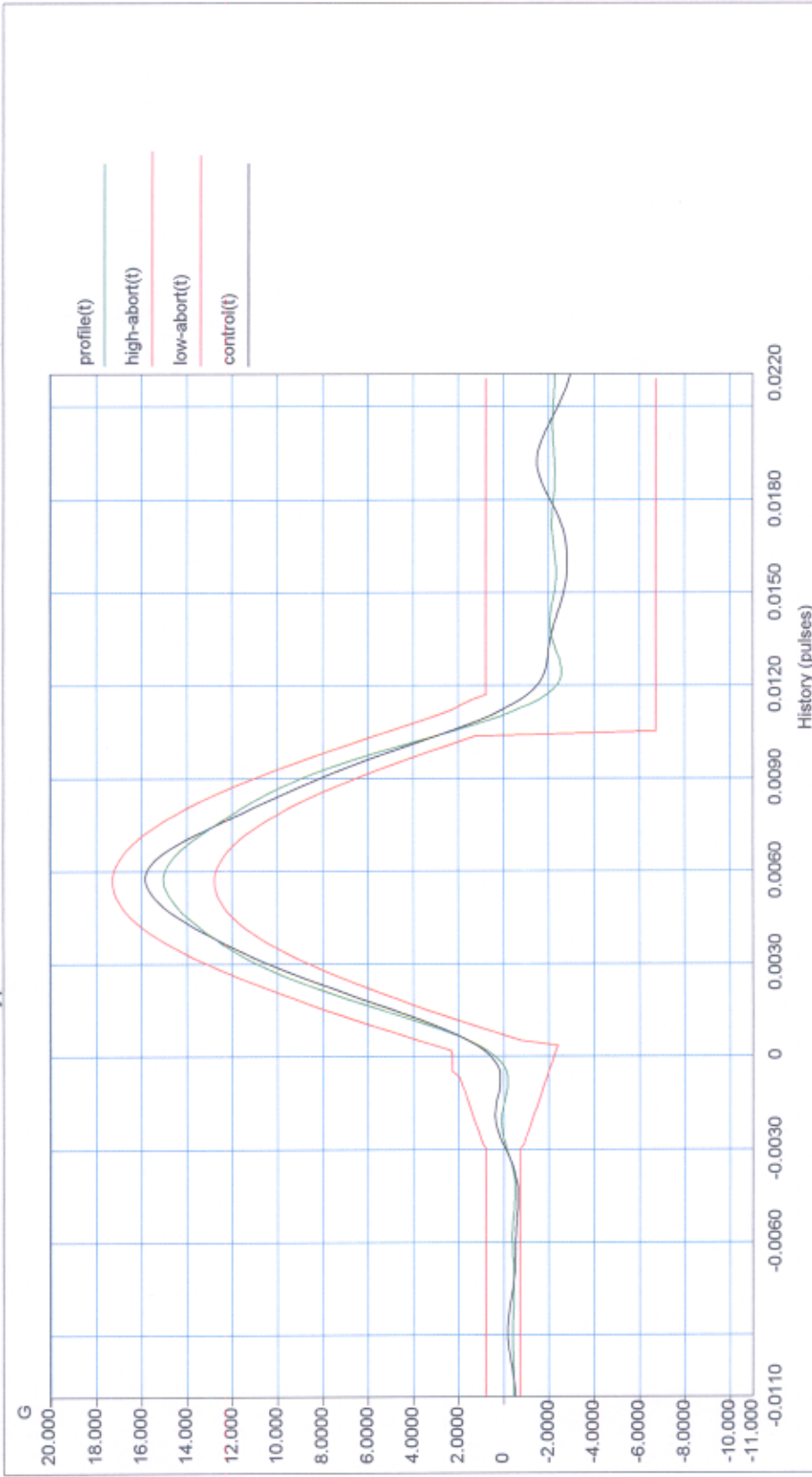
Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms

Data saved at 04:06:15 PM, Tuesday, March 11, 2003 Report created at 04:06:19 PM, Tuesday, March 11, 2003

AXIS -X ONYX-158

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 16:20:30

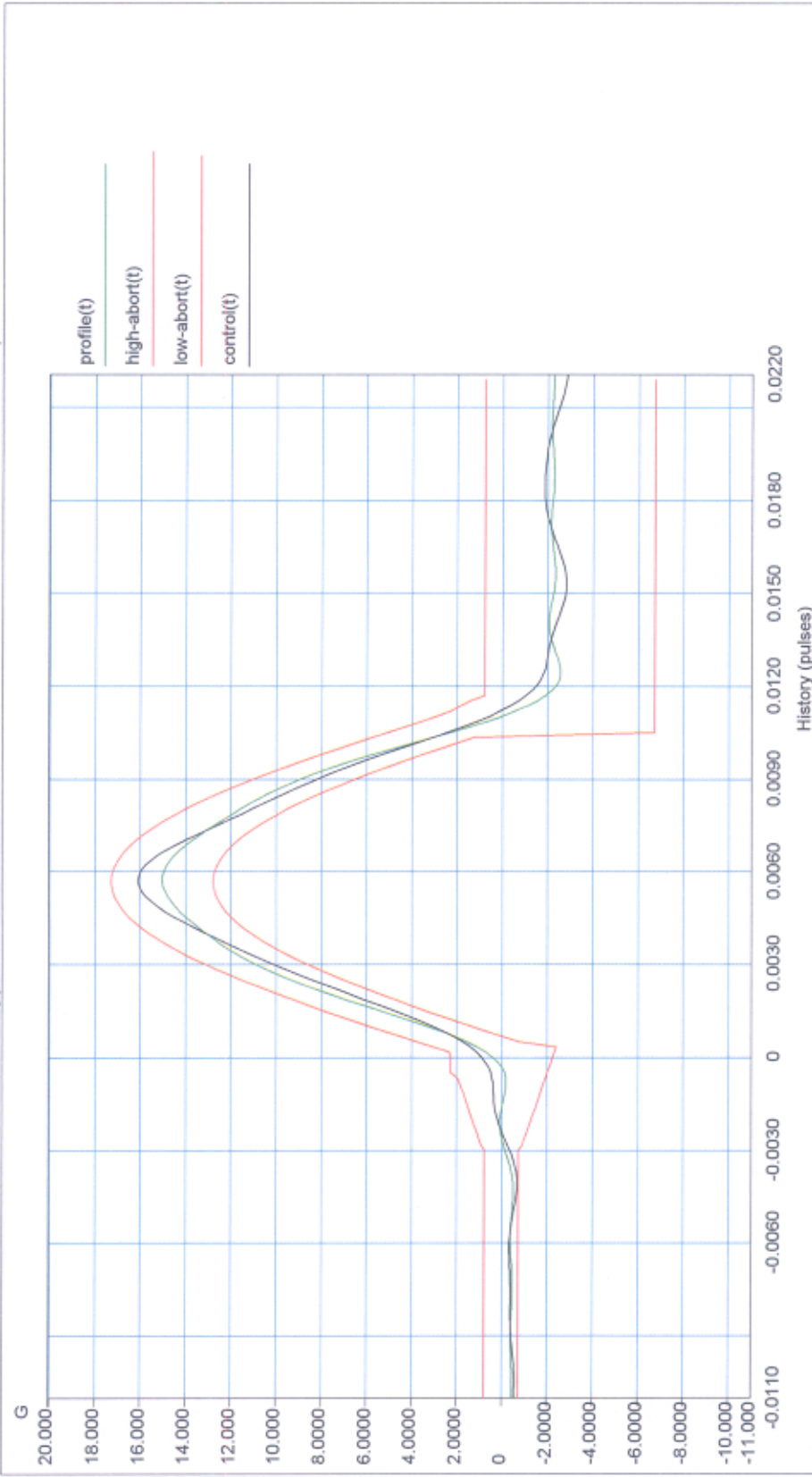


Level: 100 % Block Size: 4096 Elapsed Pulses: 11  
 Frame Time: 0.682667 Seconds Control Peak: 15.792160 G Control RMS: 1.501449 G Full Level Elapsed Pulses: 3  
 dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms  
 Data saved at 04:20:57 PM, Tuesday, March 11, 2003 Report created at 04:21:00 PM, Tuesday, March 11, 2003

AXIS Y ONYX-158

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 16:19:25



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

Frame Time: 0.682667 Seconds Control Peak: 16.058247 G Control RMS: 1.500581 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0

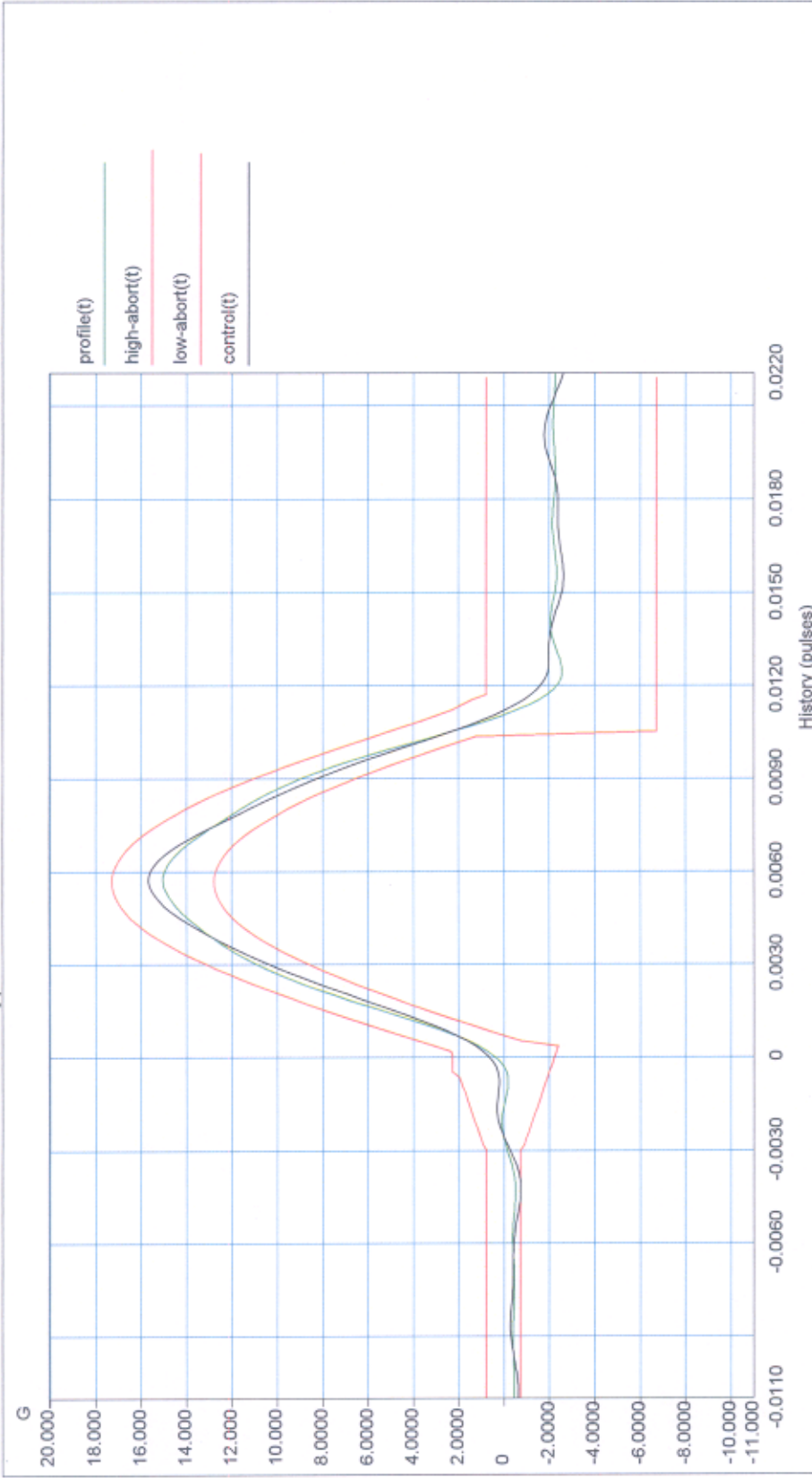
Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms

Data saved at 04:19:47 PM, Tuesday, March 11, 2003 Report created at 04:19:51 PM, Tuesday, March 11, 2003

AXIS -Y ONYX-158

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type: Classical Shock Run Folder: .\RunDefault Mar 11, 2003 16-19-52

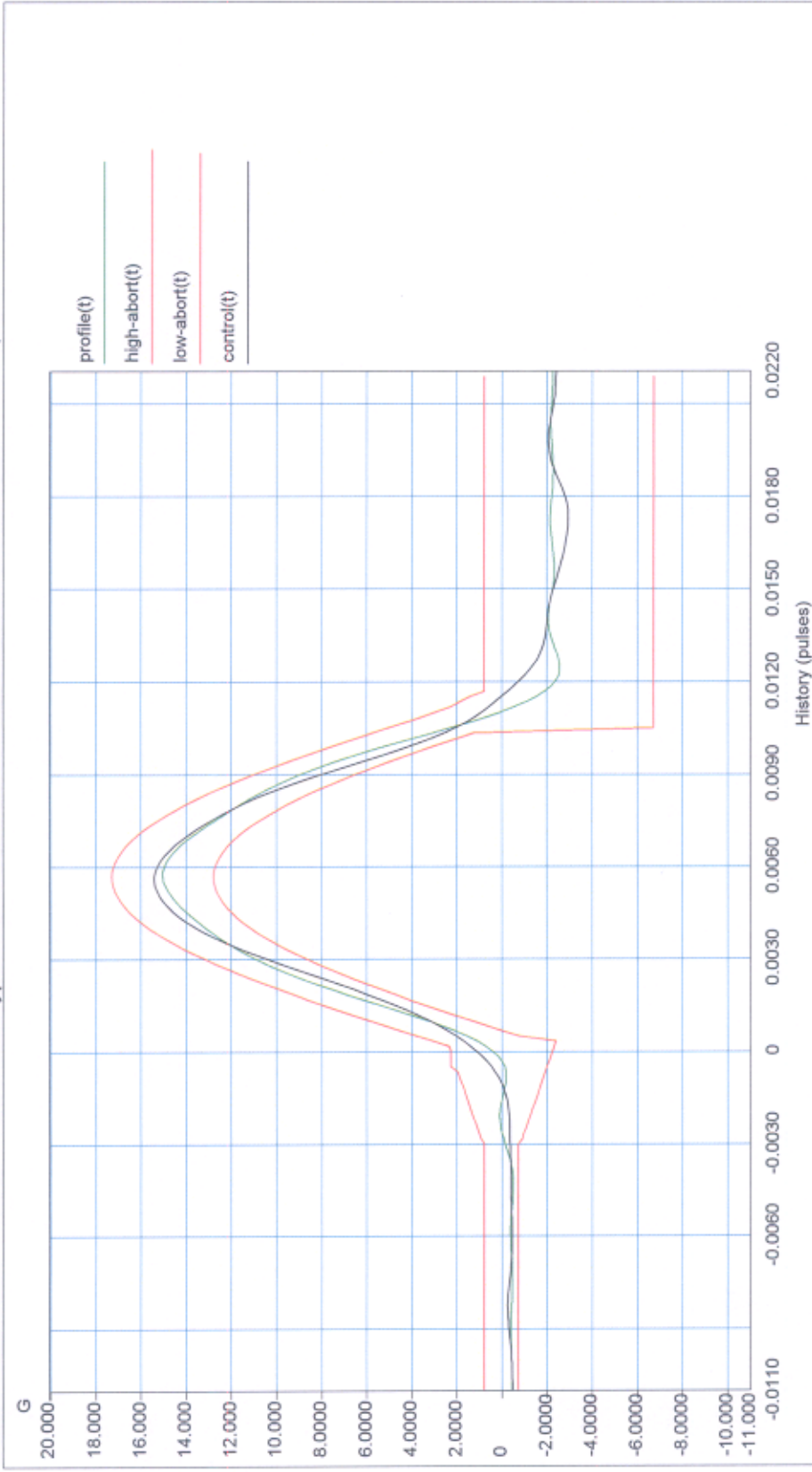


Level: 100 % Block Size: 4096 Elapsed Pulses: 11 Full Level Elapsed Pulses: 3  
 Frame Time: 0.682667 Seconds Control Peak: 15.632744 G Control RMS: 1.494324 G  
 dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0  
 Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms  
 Report created at 04:20:20 PM, Tuesday, March 11, 2003

AXIS Z ONYX-158

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type:Classical Shock Run Folder: .\RunDefault Mar 11,2003 15-56-18



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

Frame Time: 0.682667 Seconds Control Peak: 15.365481 G Control RMS: 1.514564 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0

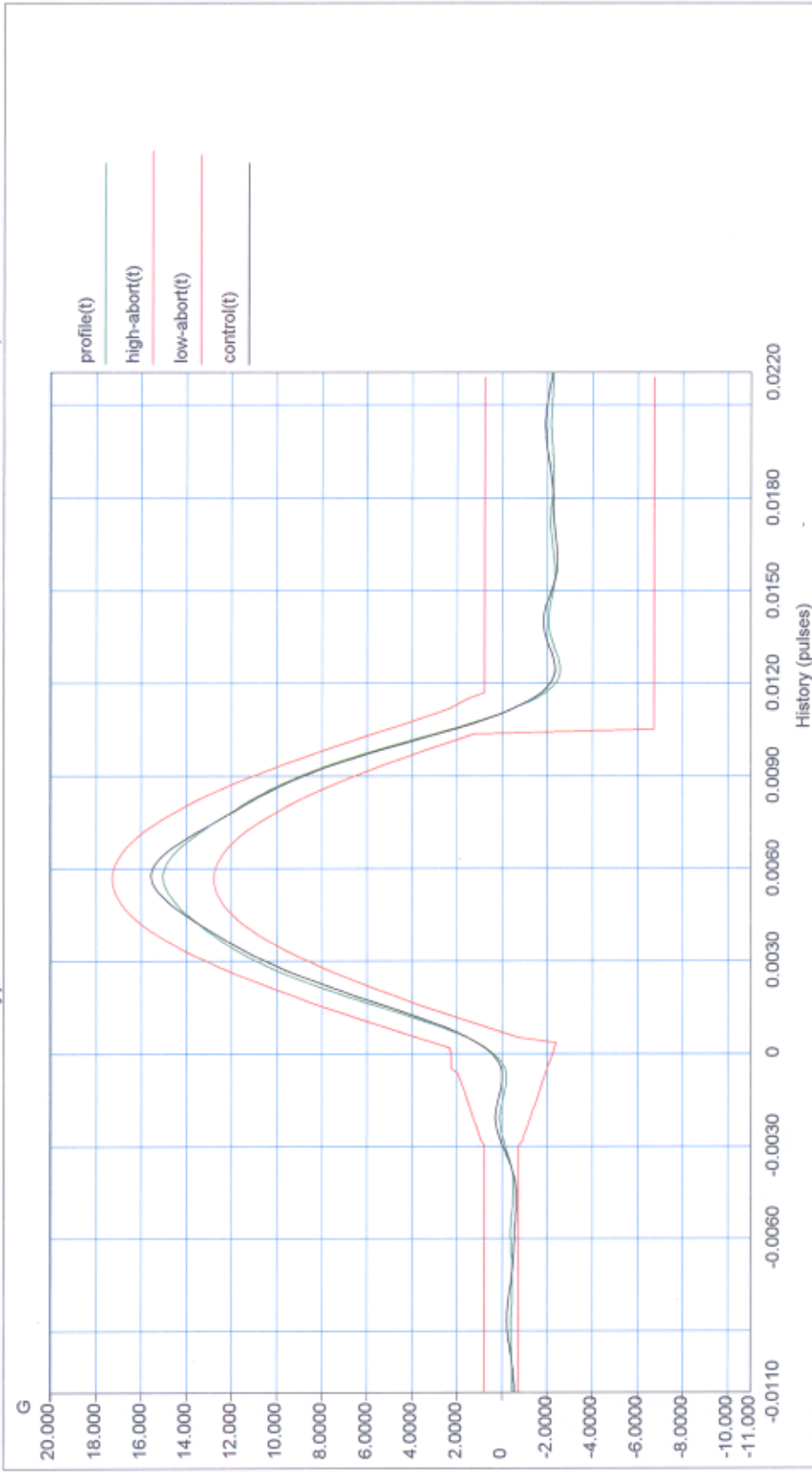
Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms

Data saved at 03:56:42 PM, Tuesday, March 11, 2003 Report created at 03:56:45 PM, Tuesday, March 11, 2003

AXIS -Z ONYX-158

Project File Name: 研揚 15G 11ms.prj

Profile Name: 15G 11mSec Test Type:Classical Shock Run Folder: .\RunDefault Mar 11,2003 16-04-13



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

Frame Time: 0.682667 Seconds Control Peak: 15.512050 G Control RMS: 1.491919 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.989828 G Demand RMS: 1.479623 G Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.989828 G Pulse Width: 11.000001 ms

Data saved at 04:04:38 PM, Tuesday, March 11, 2003 Report created at 04:04:41 PM, Tuesday, March 11, 2003