

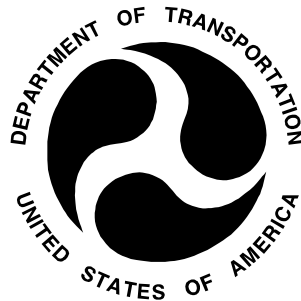
REPORT NO.: 214D-MGA-2001-004

NEW CAR ASSESSMENT PROGRAM
SIDE IMPACT TESTING
PASSENGER CARS

Nissan Motor Company

2001 Nissan Maxima GXE 4 door
NHTSA NO: M15204

MGA PROVING GROUNDS
5000 WARREN ROAD
BURLINGTON, WI 53105



Test Date: November 6, 2000

Report Date: November 8, 2000

FINAL REPORT

Prepared For:

U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
SAFETY PERFORMANCE STANDARDS
OFFICE OF CRASHWORTHINESS STANDARDS
400 SEVENTH STREET, SW, ROOM 5313 D
WASHINGTON, D.C. 20590

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Prepared By: _____
David Winkelbauer, Project Engineer

Approved By: _____
Dave Kosloske, Program Manager

Approval Date: _____

Test Technicians: Wayne Dahlke
Erik Nelson
Chris Novak
Kurt Range
John Wistert

Photographic: Tammy Brausch
Chris Kulis

Calibration/
Instrumentation: Tim Michnay

Secretary: Danielle Rames

FINAL REPORT ACCEPTED BY (OCWS):

Accepted By: _____ (COTR)

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7. Author(s) David Winkelbauer, Project Engineer		8. Performing Organization Report No. MGA-DOT-214-004																						
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		14. Sponsoring Agency Code NPS-10																						
15. Supplementary Notes																								
16. Abstract A 90° Moving Deformable Barrier NCAP side impact was conducted on the subject 2001 Nissan Maxima GXE 4 door to obtain new car assessment and research data indicant of FMVSS No. 214D performance. The test was conducted at MGA Research Corporation in Burlington, Wisconsin, on November 6, 2000. The impact velocity of the Moving Deformable Barrier (MDB) was 61.8 kph, and the ambient temperature at the struck side (driver's) of the target vehicle at the time of impact was 21°C. The target vehicle post test maximum crush was 401 mm at level 2. The test vehicle's performance follows: <table style="margin-left: auto; margin-right: auto; border: none;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;"><u>DRIVER</u></th> <th style="text-align: center;"><u>PASS.</u></th> </tr> </thead> <tbody> <tr> <td>Left Upper Rib (LUR) Accel., g</td> <td style="text-align: center;">67</td> <td style="text-align: center;">47</td> </tr> <tr> <td>Left Lower Rib (LLR) Accel., g</td> <td style="text-align: center;">70</td> <td style="text-align: center;">58</td> </tr> <tr> <td>Lower Spine (T₁₂) Accel., g</td> <td style="text-align: center;">72</td> <td style="text-align: center;">58</td> </tr> <tr> <td>Thoracic Trauma Index (TTI)</td> <td style="text-align: center;">71</td> <td style="text-align: center;">58</td> </tr> <tr> <td>Pelvis (PEV) Accel., g</td> <td style="text-align: center;">88</td> <td style="text-align: center;">79</td> </tr> <tr> <td>HIC</td> <td style="text-align: center;">530</td> <td style="text-align: center;">385</td> </tr> </tbody> </table> The doors on the struck side of the vehicle did not separate from the body at the hinges or latches and the opposite doors did not open during the side impact event.					<u>DRIVER</u>	<u>PASS.</u>	Left Upper Rib (LUR) Accel., g	67	47	Left Lower Rib (LLR) Accel., g	70	58	Lower Spine (T ₁₂) Accel., g	72	58	Thoracic Trauma Index (TTI)	71	58	Pelvis (PEV) Accel., g	88	79	HIC	530	385
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17. Key Words New Car Assessment Program (NCAP) FMVSS No. 214D Side Impact Dummy (SID) Occupant Side Impact Protection		18. Distribution Statement Copies of this report are available from: National Highway Traffic Safety Adm. Technical Ref. Division, Room 5108 (NAD-52) 400 Seventh Street, S.W. Washington, D.C. 20590																						
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SECTION 1
PURPOSE AND TEST PROCEDURE

This side impact test is part of the FY'01 NCAP Side Impact Program, sponsored by the National Highway Traffic Safety Administration (NHTSA), under Contract No. DTNH22-97-D-22001. The purpose of this test was to evaluate side impact protection of a 2001 Nissan Maxima GXE 4 door.

This side impact test was conducted in accordance with the New Car Assessment Program Side Impact Testing Procedure dated October 1996.

MGA does not endorse or certify products. The manufacturer's name appears solely for identification purposes.

SECTION 2

SUMMARY OF SIDE IMPACT TEST

A 2001 Nissan Maxima GXE 4 door was impacted on the left or driver's side by a Moving Deformable Barrier (MDB) which was moving forward in a 27[°] crabbed position to the tow road guidance system at a velocity of 38.4 mph (61.8 kph). The target vehicle was stationary and was positioned at an angle of 63[°] to the line of forward motion. The side impact test was conducted by MGA Research Corporation in Burlington, Wisconsin, on November 6, 2000. Pre- and post-test photographs of the test vehicle, the MDB and the side impact dummies (SIDs) are included in Appendix A.

Two side impact dummies (SIDs) were placed in the driver and left rear designated seating positions according to instructions specified in the New Car Assessment Program Side Impact Laboratory Test Procedure which is dated October 1996. The side impact event was documented by nine (9) high speed cameras. Camera locations and other pertinent camera information can be found in this report.

The SIDs were instrumented with the following accelerometers.

1. Left Upper Rib (LUR) uniaxial accelerometer (Y-direction)
2. Left Lower Rib (LLR) uniaxial accelerometer (Y-direction)
3. Lower Thoracic Spine (T₁₂) uniaxial accelerometer (Y-direction)
4. Pelvic (PEV) section uniaxial accelerometer (Y-direction)
5. Head Center of Gravity triaxial accelerometers (X, Y, and Z-direction)

Appendix B contains the vehicle and dummy response data traces. A summary of the side impact dummy (SID) configuration and performance verification test data is shown in Appendix C. Dummy and vehicle calibration data can be found in Appendix D of this report.

The following table summarizes the results of the test:

Injury Criteria	Front SID	Rear SID
TTI (g)	71	58
Pelvis (g)	88	79
HIC	530	385

SECTION 3
SIDE IMPACT DUMMY (SID) AND
VEHICLE TEST DATA

DATA SHEET NO. 1
GENERAL VEHICLE TEST PARAMETER DATA

TEST VEHICLE INFORMATION:

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door
Vehicle NHTSA No.: M15204 VIN: JN1CA31D81T809598
Vehicle Body Color: Black Build Date: 9/00
Engine Data: 6 Cylinders; CID; 3.0 Liter; cc
Placement Longitudinal; X Lateral
Transmission: 5 Speed; X Manual; Automatic; Overdrive
Final Drive: Rear Wheel Drive; X Frt. Wheel Drive; Four Wheel Drive

Odometer Reading 51 miles
Options: X A/C; X Pwr. Steering; X Pwr. Brakes; X Pwr. Windows;
 X Cruise Control; X Tilt Wheel; X Power Door Locks;

DATA FROM TIRE PLACARD:

Tire Pressure (at capacity): 29 Psi FRONT
29 Psi REAR
Recommended Tire Size: P205/65/R15
Tires on Test Vehicle: P205/65/R15 Manufacturer: Bridgestone

Vehicle Capacity Data:

Number of Occupants: 2 Front; 3 Rear; 3rd Seat, 5 Total
Type of Front Seats: X Bucket; Bench; Split Bench
Type of Front Seat Back: Fixed; X Adjustable with X Lever
Vehicle Maximum Capacity Loading = 400.0 kg (A)
No. of Occupants x 68.04 kg. = 340.2 kg (B)
Cargo Capacity (A-B) = 59.8 kg

GENERAL VEHICLE TEST PARAMETER DATA (Cont'd)

WEIGHT OF TEST VEHICLE WITH MAXIMUM FLUIDS:

Right Front =	<u>439.1</u>	kg	Right Rear =	<u>278.5</u>	kg
Left Front =	<u>440.9</u>	kg	Left Rear =	<u>272.6</u>	kg
TOTAL FRONT =	<u>880.0</u>	kg	TOTAL REAR =	<u>551.1</u>	kg
% of Total Weight =	<u>61.5</u>	%	% of Total Weight =	<u>38.5</u>	%
TOTAL WEIGHT =	<u>1431.1</u>	kg			

CALCULATION OF VEHICLE'S TARGET TEST WEIGHT:

Total Test Vehicle Delivered Weight with Maximum Fluids	=	<u>1431.1</u>	kg
Cargo Carrying Capacity of Test Vehicle*	=	<u>59.8</u>	kg
Weight of 2 Side Impact Dummies (2 x <u>80.7</u> kg.)	=	<u>161.4</u>	kg
TEST VEHICLE TARGET WEIGHT	=	<u>1652.3</u>	kg

ACTUAL WEIGHT OF TEST VEHICLE WITH 2 DUMMIES AND CARGO (Fully Loaded):

Right Front =	<u>440.9</u>	kg	Right Rear =	<u>340.2</u>	kg
Left Front =	<u>488.1</u>	kg	Left Rear =	<u>382.8</u>	kg
TOTAL FRONT =	<u>929.0</u>	kg	TOTAL REAR =	<u>723.0</u>	kg
% of Total Weight =	<u>56.2</u>	%	% of Total Weight =	<u>43.8</u>	%
TOTAL WEIGHT =	<u>1652.0</u>	kg			

TEST VEHICLE ATTITUDE:

CURB WEIGHT ATTITUDE:

Right Front 703 mm Left Front 704 mm Right Rear 691 mm Left Rear 689 mm

FULLY LOADED WEIGHT ATTITUDE:

Right Front 693 mm Left Front 686 mm Right Rear 661 mm Left Rear 644 mm

TEST ATTITUDE:

Right Front 689 mm Left Front 687 mm Right Rear 661 mm Left Rear 655 mm

* light trucks and MPV's RCW is 136 kgs or manufacturer's value, whichever is less

GENERAL VEHICLE TEST PARAMETER DATA (Cont'd)

Test Vehicle Wheelbase: 2750 mm

C.G. = 1170 mm rearward of front wheel centerline

TOTAL VEHICLE LENGTH:

Right Side = 4134 mm

Centerline = 4875 mm

Left Side = 4129 mm

FRONT SEAT CUSHION PLACEMENT:

Total Length of Adjustment Travel: 240 mm

Test Position: 11th notch rearward of 21 total

FRONT SEAT BACK ADJUSTMENT POSITION:

Seat Back Angle = 5th notch rearward from first as 0

SECOND POSITION SEAT:

Total Length of Fore/Aft Adjustment Travel: non-adjustable

Seat Back Adjustment Position: non-adjustable

ADJUSTABLE STEERING COLUMN POSITION: Mid-position

WINDOW POSITIONS: Left Front closed Left Rear closed

Right Front open Right Rear open

AMOUNT OF STODDARD SOLVENT IN FUEL TANK:

Fuel system usable capacity = 18.5 gallons

Test Volume: 17.2 gallons 93 % of capacity

LOCATIONS OF IMPACT POINT ON TEST VEHICLE SIDE TO BE IMPACTED:

Wheelbase: = 2750 mm

Impact Point is 435 mm rearward of front axle centerline

DATA SHEET NO. 2
TEST VEHICLE SUMMARY OF RESULTS

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

Vehicle NHTSA No.: M15204 Test Date: November 6, 2000

Overall Length = 4875 mm; Overall Width = 1779 mm

TEST WEIGHT:

Right Front = 465.8 kg Right Rear = 338.4 kg

Left Front = 478.5 kg Left Rear = 361.1 kg

TOTAL FRONT = 944.3 kg TOTAL REAR = 699.5 kg

% of Total Weight = 57.4 % % of Total Weight = 42.6 %

TOTAL WEIGHT = 1643.8 kg

Wheelbase = 2750 mm

Longitudinal C.G. from Center of Front Axle = 1170 mm

Impact Angle with Respect to Impactor = 90E degrees

MAXIMUM EXTERIOR STATIC CRUSH:

1. LEVEL 1 (255 mm above ground) = 266 mm

2. LEVEL 2 (486 mm above ground) = 401 mm

3. LEVEL 3 (610 mm above ground) = 359 mm

4. LEVEL 4 (881 mm above ground) = 274 mm

5. LEVEL 5 (1322 mm above ground) = 70 mm

Maximum Post-Test Intrusion = 401 mm

OCCUPANTS:

	<u>Driver</u>	<u>Left Rear Passenger</u>
Type of Dummy	<u>SID</u>	<u>SID</u>
Restraints Used	<u>Type II belt system</u>	<u>Type II belt system</u>

TEST VEHICLE SUMMARY OF RESULTS (Cont'd)

INSTRUMENTATION:

Number of Vehicle Data Channels:		= <u>25</u>
Number of Cameras:	Onboard Vehicle	= <u>3</u>
	Offboard Vehicle	= <u>4</u>
	Deformable Barrier	= <u>2</u>
	TOTAL	= <u>9</u>

DATA SHEET NO. 3
MOVING DEFORMABLE BARRIER (MDB) SUMMARY OF RESULTS

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

Vehicle NHTSA No.: M15204 Test Date: November 6, 2000

POSITION OF IMPACT (MDB) ON MONORAIL:

Crabbed 27^B to left

MDB DETAILS:

Overall Width of Framework Carriage	=	<u>1252 mm</u>
Overall Length of MDB (incl. honeycomb impact face)	=	<u>4115 mm</u>
Wheelbase of Framework Carriage	=	<u>2591 mm</u>
Tread of Framework Carriage (Front & Rear)	=	<u>1880 mm</u>
C.G. Location Rearward of Front Axle	=	<u>1106 mm</u>
C.G. Location From Center Line	=	<u>-11 mm</u>
C.G. Location Above Ground Level	=	<u>481 mm</u>

MDB WEIGHT:

Left Front	=	<u>395.1 kg</u>	Left Rear	=	<u>293.8 kg</u>
Right Front	=	<u>385.7 kg</u>	Right Rear	=	<u>287.4 kg</u>
TOTAL FRONT	=	<u>780.8 kg</u>	TOTAL REAR	=	<u>581.2 kg</u>
TOTAL MDB WEIGHT	=	<u>1362.0 kg</u>			

Impact Angle (MDB C/L to Target Vehicle C/L) = 90 E degrees

Impact Speed = Primary: 38.4 mph (61.8 kph) Secondary: 38.4 mph (61.8 kph)

CRASH TEST SUMMARY FOR SIDE IMPACTOR (Cont'd)

MAXIMUM STATIC CRUSH OF HONEYCOMB IMPACT FACE:

1. Row A Top of Stack (813 mm) = 161 mm
2. Row B Mid Stack (686 mm) = 113 mm
3. Row C Top of Bumper (533 mm) = 82 mm
4. Row D Center of Bumper (432 mm) = 118 mm

INSTRUMENTATION:

Number of MDB Data Channels = 7

DATA SHEET NO. 4
POST-TEST OBSERVATIONS

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door
Vehicle NHTSA No.: M15204 Test Date: November 6, 2000

VISIBLE DUMMY CONTACT POINTS:

	<u>LEFT FRONT SID</u>	<u>LEFT REAR SID</u>
Head	<u>Window sill</u>	<u>C-post, side header</u>
Arm	<u>Door trim panel</u>	<u>Door trim panel</u>
	<u>above armrest</u>	<u>above armrest</u>
Pelvis	<u>Armrest</u>	<u>Armrest</u>
Left Knee	<u>Door trim panel</u>	<u>Door trim panel</u>
	<u>below armrest</u>	<u>below armrest</u>
Right Knee	<u>Left knee</u>	<u>Left knee</u>

DOOR OPENING:

	<u>LEFT SIDE</u>	<u>RIGHT SIDE</u>
Front	<u>remained closed</u>	<u>remained closed</u>
Rear	<u>remained closed</u>	<u>remained closed</u>

MDB DISTANCE FROM TARGET IMPACT POINT:

Horizontal: 10 mm rearward Vertical: 6 mm up

ARM REST LOCATIONS:

Front: 195 mm from below window
Rear: 215 mm from below window

POST-TEST OBSERVATIONS (Cont'd)

SEAT CRUSH:

Front Seat Back: 102 mm Front Seat Cushion: 73 mm
Left Rear Seat Back: 154 mm Rear Seat Cushion: 194 mm

GLAZING DAMAGE:

Both left side windows broke, windshield cracked

PILLAR PERFORMANCE:

No failures noted

SILL SEPARATION:

None noted

OTHER NOTABLE IMPACT EFFECTS:

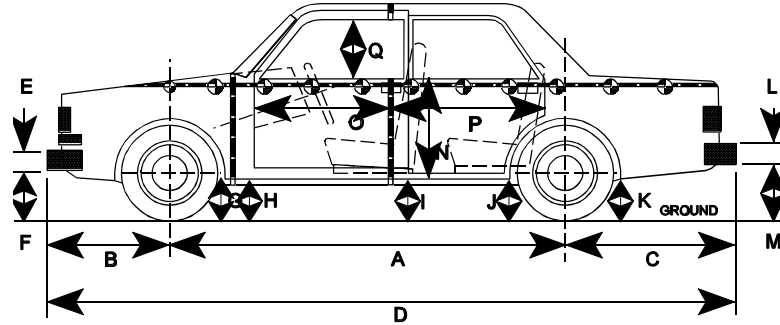
None noted

AIRBAG DEPLOYMENT STATUS:

	<u>DRIVER</u>	<u>FRONT PASSENGER</u>	<u>REAR PASSENGER</u>
Frontal	<u>no</u>	<u>no</u>	<u>N/A</u>
Side	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

SECTION 4
OCCUPANT AND VEHICLE INFORMATION

DATA SHEET NO. 6
VEHICLE PRE AND POST-TEST MEASUREMENTS



LEFT SIDE VIEW

D = Length at Centerline
R = Right Side Length
S = Left Side Length
T = Width at B Post
J1 = To Pinch Weld
E & L = Bumper Thickness

J2 = To Sill

ALL MEASUREMENTS IN (mm)

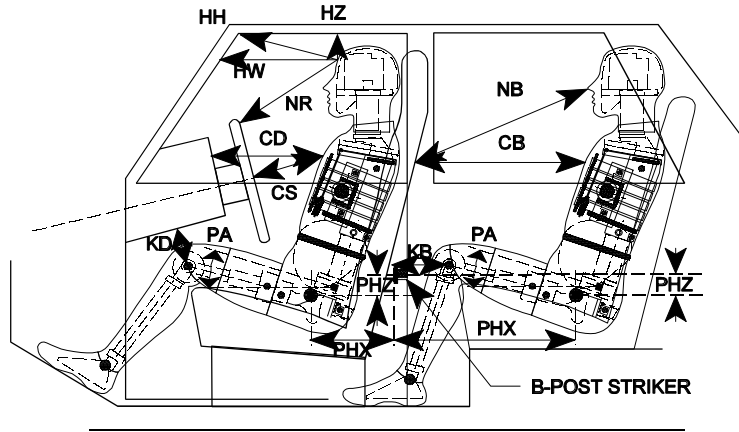
	PRE-TEST	POST-TEST	Ä CHANGE
A	2750	2700	50
B	997	1017	20
C	1128	1105	23
D	4875	4822	53
E	230	230	0
F	414	428	14
G	187	198	11
H	184	201	17
I	181	230	49
J1/J2	171/171	172/184	1/13
K	232	248	16
L	300	300	0
M	352	376	24
N	667	517	150
O	805	731	74
P	1250	1115	135
Q	454	444	10
R	4134	4154	20
S	4129	4051	78
T	1779	1491	288

DATA SHEET NO. 7

SIDE IMPACT DUMMY (SID) LONGITUDINAL CLEARANCE DIMENSIONS

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

NHTSA NO.: M15204 Test Date: November 6, 2000



NOTE: All dimensions are in mm with tolerance of ± 3 mm

	DRIVER SID ID # 272		LEFT REAR PASSENGER SID ID # 271
HH	295	HZ	140
HW	541	NB	713
HZ	144	CB	632
NR	146	KBL (KBAE)	309 (0.0)
CD	373	KBR (KBAE)	261 (0.0)
CS	313	PA°	23.9
KDL(KDA°)	223 (0.0)	PHX	241
KDR(KDA°)	215 (0.0)	PHZ	309
PA°	23.5		
PHX	216		
PHZ	168		

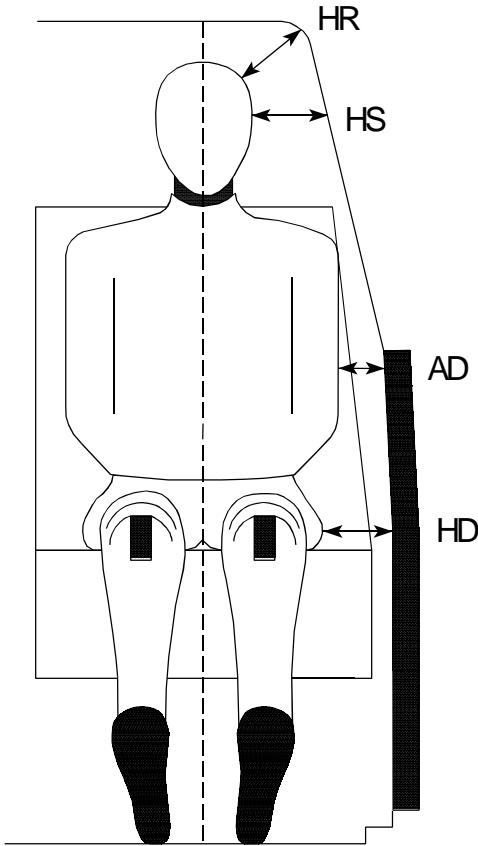
NOTE: 2-door vehicle shown. Rear dummy PHX & PHZ measurements for 4-door vehicle would use the C-post striker as reference point.

DATA SHEET NO. 8

SIDE IMPACT DUMMY (SID) LATERAL CLEARANCE DIMENSIONS

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

NHTSA NO.: M15204 Test Date: November 6, 2000



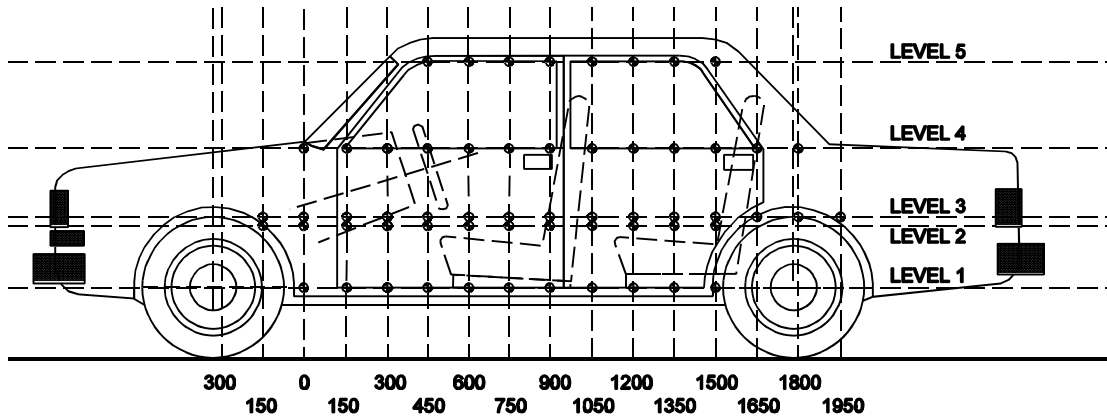
NOTE: All dimensions are in mm

	DRIVER SID ID # 272	LEFT REAR PASSENGER SID ID # 271
HR	176	183
HS	305	314
AD	102	130
HD	138	172

DATA SHEET NO. 9
VEHICLE SIDE MEASUREMENTS

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

NHTSA NO.: M1 5204 Test Date: November 6, 2000



LEFT SIDE VIEW

NOTE: All measurements are in millimeters (mm)

- LEVEL 5 - WINDOW TOP
- LEVEL 4 - WINDOW SILL
- LEVEL 3 - MID-DOOR
- LEVEL 2 - OCCUPANT H-POINT
- LEVEL 1 - AXLE CENTERLINE HEIGHT OR SILL TOP HEIGHT

MEASUREMENTS ARE TAKEN WHEN THE VEHICLE IS IN THE "AS TESTED"
CONFIGURATION

MEASUREMENTS ALONG THE VERTICAL 750 mm. LINE SHOWN ABOVE

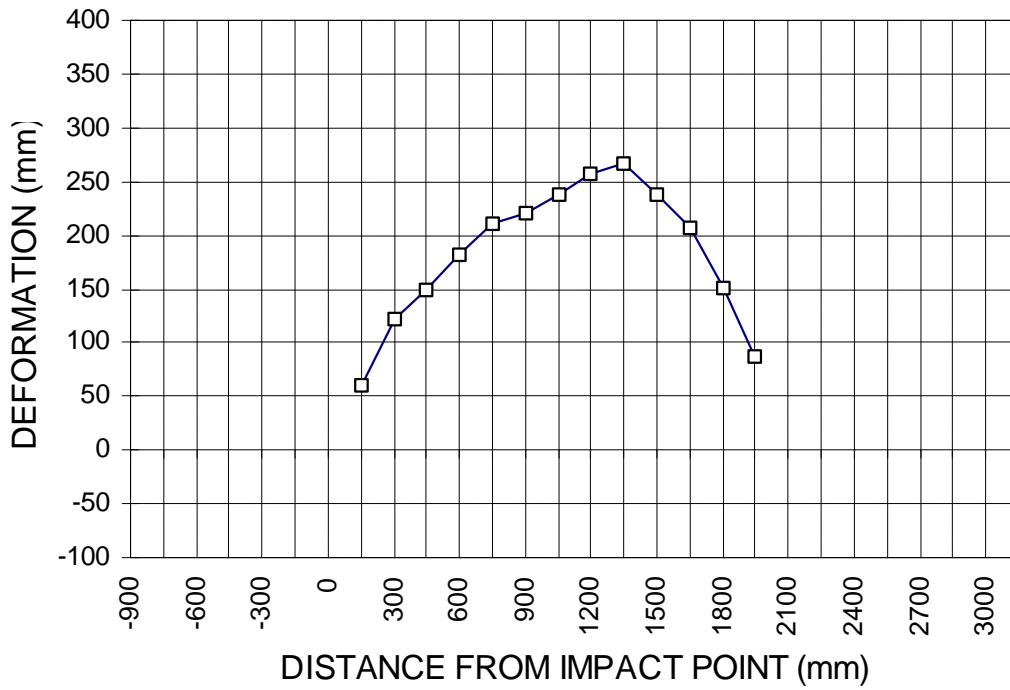
Level 1 @ Axle Centerline Height (or Sill Top Height)	=	<u>255</u> mm
Level 2 @ Occupant H-Point	=	<u>486</u> mm
Level 3 @ Mid Door	=	<u>610</u> mm
Level 4 @ Window Sill	=	<u>881</u> mm
Level 5 @ Window Top	=	<u>1322</u> mm

DATA SHEET NO. 10
VEHICLE EXTERIOR CRUSH PROFILES

	Level 1 - Axle Centerline		
Longitudinal Distance	Pre-Test (mm)	Post-Test (mm)	Static Crush
-900			
-750			
-600			
-450			
-300			
-150			
0 (impact point)	160	220	60
150	162	284	122
300	164	313	149
450	163	345	182
600	163	373	210
750	164	384	220
900	166	404	238
1050	165	423	258
1200	164	430	266
1350	164	402	238
1500	164	370	206
1650	165	316	151
1800	167	254	87
1950			
2100			
2250			
2400			
2550			
2700			
2850			
3000			
3150			

Reference plane is parallel to test vehicle longitudinal centerline.
 Given dimensions = Reference plane to car body

VEHICLE EXTERIOR STATIC CRUSH



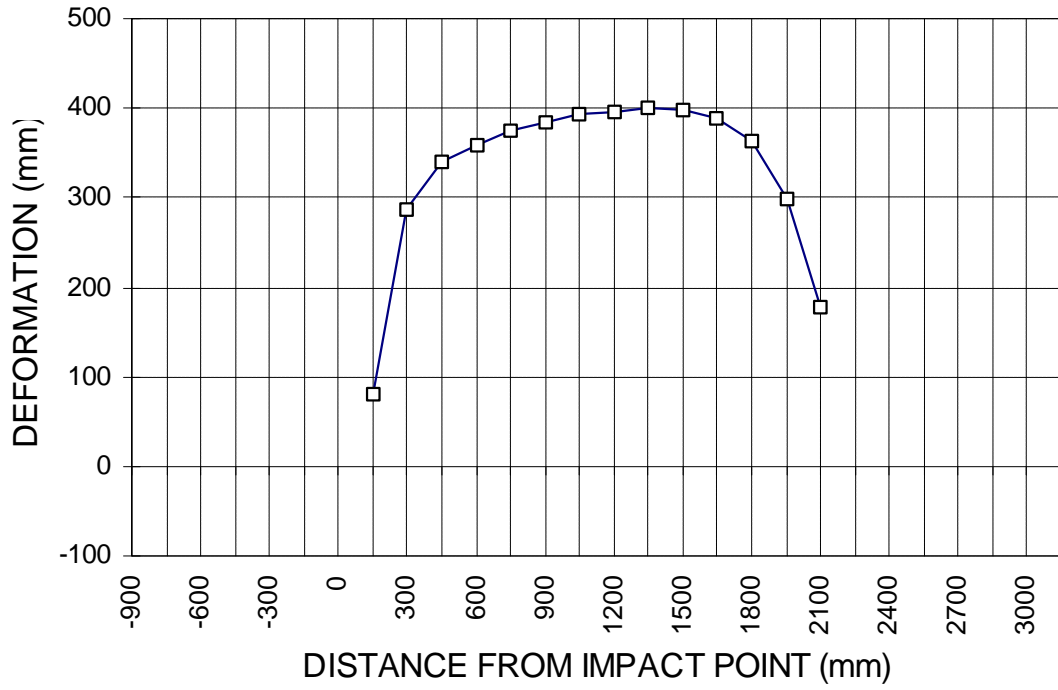
LEVEL 1 - AXLE CENTERLINE

DATA SHEET NO. 10
VEHICLE EXTERIOR CRUSH PROFILES

Longitudinal Distance	Level 2 - Occupant H-Point		
	Pre-Test (mm)	Post-Test (mm)	Static Crush
-900			
-750			
-600			
-450			
-300			
-150			
0 (impact point)	116	196	80
150	115	402	287
300	114	455	341
450	114	472	358
600	115	490	375
750	114	499	385
900	115	508	393
1050	115	511	396
1200	115	516	401
1350	116	515	399
1500	117	505	388
1650	118	481	363
1800	120	419	299
1950	115	292	177
2100			
2250			
2400			
2550			
2700			
2850			
3000			
3150			

Reference plane is parallel to test vehicle longitudinal centerline.
 Given dimensions = Reference plane to car body

VEHICLE EXTERIOR STATIC CRUSH



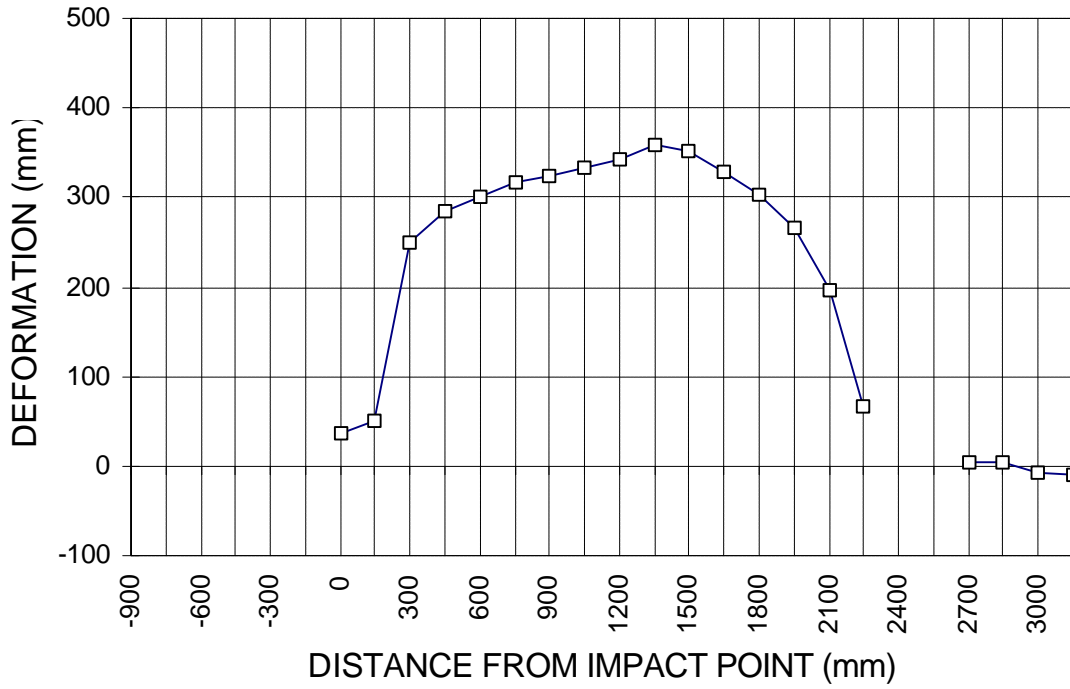
LEVEL 2 - OCCUPANT H-POINT

DATA SHEET NO. 10
VEHICLE EXTERIOR CRUSH PROFILES

Longitudinal Distance	Level 3 - Mid-Door		
	Pre-Test (mm)	Post-Test (mm)	Static Crush
-900			
-750			
-600			
-450			
-300			
-150	101	137	36
0 (impact point)	112	163	51
150	112	361	249
300	111	395	284
450	110	411	301
600	110	428	318
750	110	433	323
900	110	443	333
1050	111	454	343
1200	112	471	359
1350	112	463	351
1500	113	441	328
1650	115	419	304
1800	117	384	267
1950	120	317	197
2100	115	181	66
2250			
2400			
2550	128	132	4
2700	141	145	4
2850	159	151	-8
3000	171	162	-9
3150			

Reference plane is parallel to test vehicle longitudinal centerline.
Given dimensions = Reference plane to car body

VEHICLE EXTERIOR STATIC CRUSH



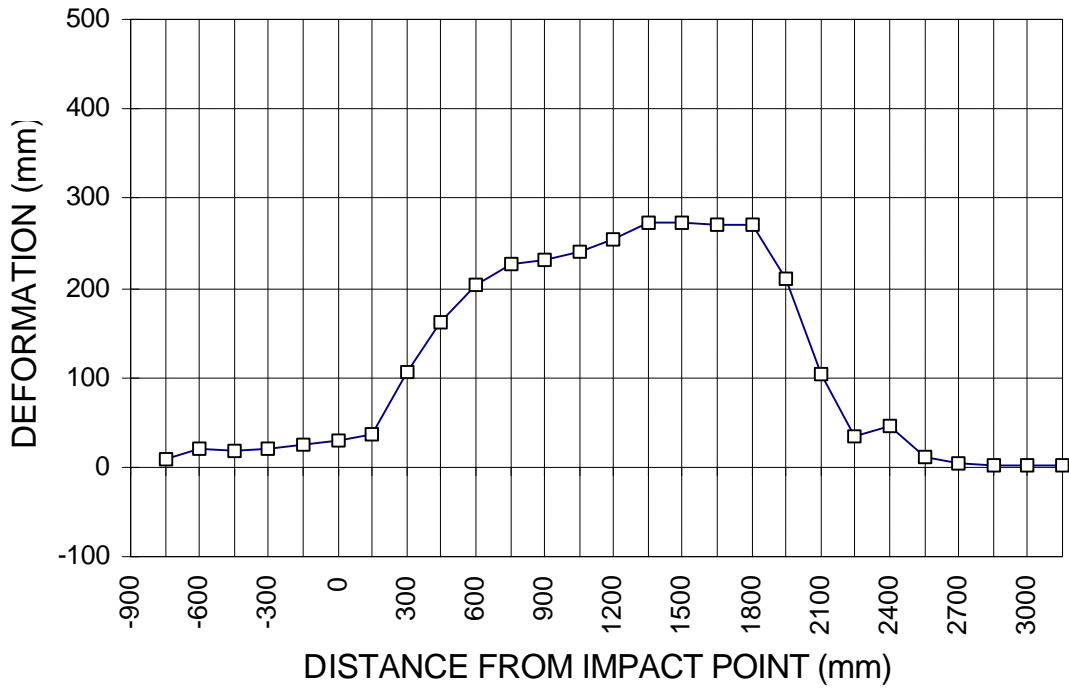
LEVEL 3 - MID-DOOR

DATA SHEET NO. 10
VEHICLE EXTERIOR CRUSH PROFILES

Longitudinal Distance	Level 4 - Window Sill		
	Pre-Test (mm)	Post-Test (mm)	Static Crush
-900	219	228	9
-750	191	211	20
-600	184	201	17
-450	175	196	21
-300	172	197	25
-150	170	199	29
0 (impact point)	169	206	37
150	169	275	106
300	168	330	162
450	170	374	204
600	170	396	226
750	171	402	231
900	170	411	241
1050	170	424	254
1200	170	443	273
1350	172	446	274
1500	174	445	271
1650	177	447	270
1800	178	389	211
1950	184	288	104
2100	188	222	34
2250	193	238	45
2400	200	212	12
2550	211	216	5
2700	224	226	2
2850	239	241	2
3000	256	259	3
3150	279	285	6

Reference plane is parallel to test vehicle longitudinal centerline.
Given dimensions = Reference plane to car body

VEHICLE EXTERIOR STATIC CRUSH



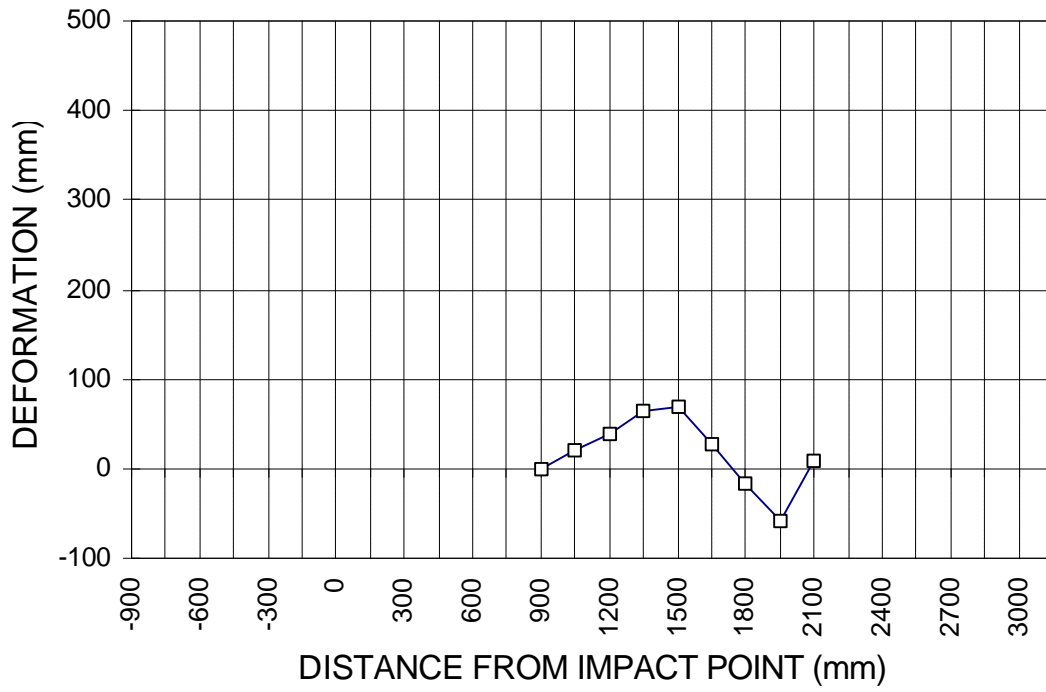
LEVEL 4 - WINDOW SILL

DATA SHEET NO. 10
VEHICLE EXTERIOR CRUSH PROFILES

Longitudinal Distance (mm)	Level 5 - Window Top		
	Pre-Test (mm)	Post-Test (mm)	Static Crush (mm)
-900			
-750			
-600			
-450			
-300			
-150			
0 (impact point)			
150			
300			
450			
600			
750	391	390	-1
900	391	411	20
1050	393	432	39
1200	396	461	65
1350	396	466	70
1500	399	427	28
1650	403	386	-17
1800	404	346	-58
1950	408	418	10
2100			
2250			
2400			
2550			
2700			
2850			
3000			
3150			

Reference plane is parallel to test vehicle longitudinal centerline.
 Given dimensions = Reference plane to car body

VEHICLE EXTERIOR STATIC CRUSH

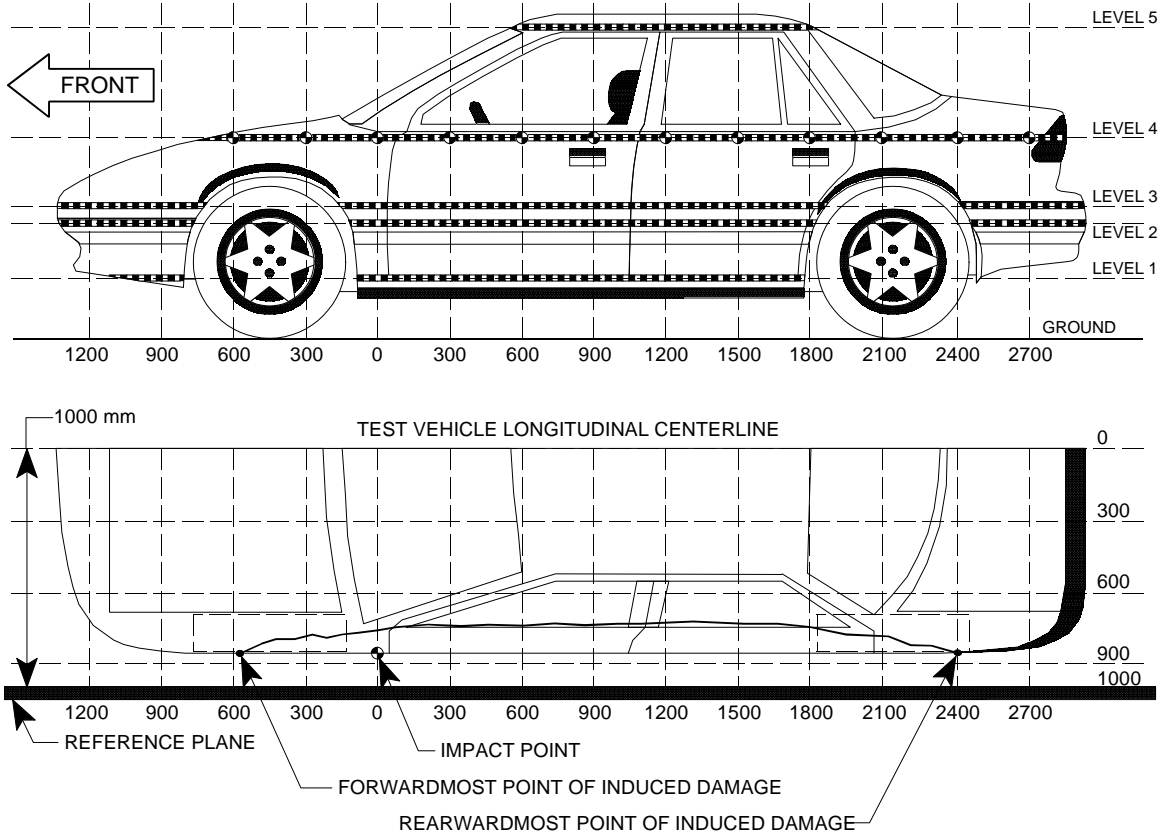


LEVEL 5 - WINDOW TOP

DATA SHEET NO. 11
VEHICLE DAMAGE PROFILE DISTANCES

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

NHTSA NO.: M15204 Test Date: November 6, 2000



NOTE: All measurements are in millimeters (mm)

DPD MEASUREMENTS	POST-TEST (mm)	PRE-TEST (mm)	STATIC CRUSH (mm)
1. (LR = <u>2550</u> mm)	132	128	4
2. 1825 mm	431	118	313
3. 1160 mm	528	115	413
4. 460 mm	478	114	364
5. -220 mm	131	101	30
6. (LF = <u>-900</u> mm)	228	219	9

DATA SHEET NO. 12
EXTERIOR STATIC CRUSH FOR SIDE IMPACTOR

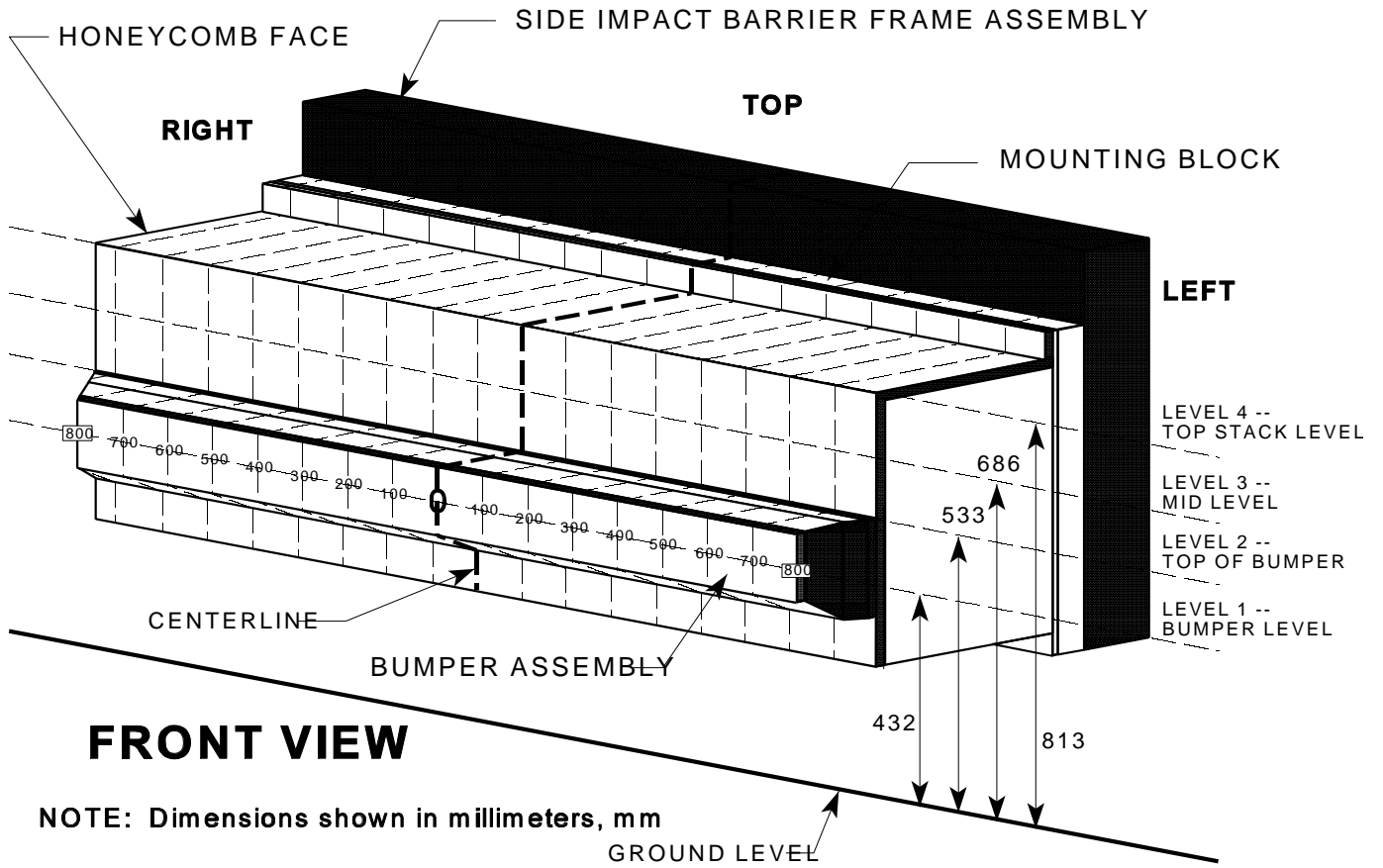
Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

Vehicle NHTSA No.: M15204 Test Date: November 6, 2000

4-17

		Distance Right of Center (mm)									Distance Left of Center (mm)								
Location	Height at CL	800	700	600	500	400	300	200	100	0	100	200	300	400	500	600	700	800	
Top Stack Level 4	813 mm	47	1	-5	-4	-3	15	31	26	23	26	29	32	35	46	80	121	161	
Mid Level Level 3	686 mm	46	24	10	0	0	10	30	30	19	13	14	20	24	31	46	70	113	
Top Bumper Level 2	533 mm	47	28	24	27	29	34	36	32	31	33	38	41	46	53	56	66	82	
Mid Bumper Level 1	432 mm	85	70	57	52	54	66	63	60	56	59	62	67	72	76	81	96	118	

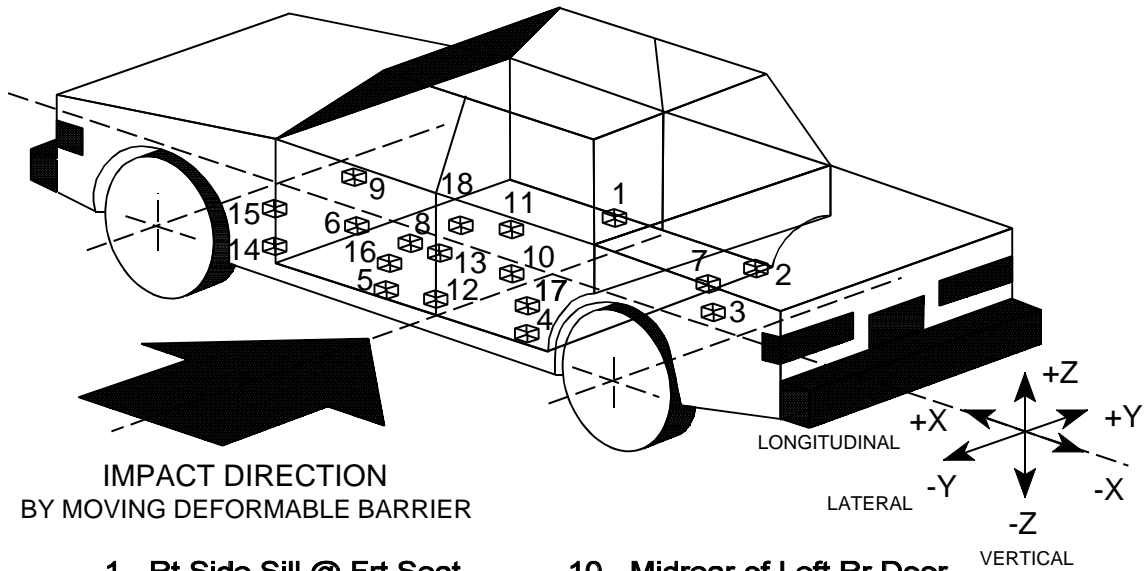
See next page for Barrier Face Graphic



DATA SHEET 13
TEST VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

Vehicle NHTSA No.: M15204 Test Date: November 6, 2000



- | | |
|---------------------------------|------------------------------|
| 1 - Rt Side Sill @ Frt Seat | 10 - Midrear of Left Rr Door |
| 2 - Rt Side Sill @ Rr Seat | 11 - Left Rr Door Upr C/Line |
| 3 - Rr Floorpan Above Axle | 12 - Left Lwr B-Post |
| 4 - Left Side Sill @ Rr Seat | 13 - Left Middle B-Post |
| 5 - Left Side Sill @ Frt Seat | 14 - Left Lwr A-Post |
| 6 - Left Frt Door on Centerline | 15 - Left Middle A-Post |
| 7 - Rt Rr Occ Compartment | 16 - Frt Seat Track |
| 8 - Midrear of Left Frt Door | 17 - Rr Seat Track |
| 9 - Left Frt Door Upr C/Line | 18 - Vehicle C.G. |

DATA SHEET NO. 13
TEST VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door
 Vehicle NHTSA No.: M1 5204 Test Date: November 6, 2000

Accel. No.	Description	Coordinates (mm)*			Long. (X) Maximums (g's)		Lat. (Y) Maximums (g's)		Vert. (Z) Maximums (g's)		Resultant (g's)
		X	Y	Z	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	
1	Rt. Side Sill @ Front Seat	2752	685	190	2.4	6.3	20.3	2.5	5.9	4.9	20.6
2	Rt. Side Sill @ Rear Seat	1989	685	192	2.7	5.4	20.9	2.5	7.3	10.0	22.0
3	Rr. Floorpan Above Axle	1115	0	388	3.1	10.3	19.6	2.9	11.3	6.0	22.5
4	Left Side Sill @ Rr. Seat	1870	-685	184	---	---	35.3	7.3	---	---	---
5	Left Side Sill @ Frt. Seat	2764	-685	192	---	---	51.8	12.0	---	---	---
6	Left Front Door Centerline	2603	-765	472	---	---	236.2	48.5	---	---	---
7	Right Rear Occupant Compartment	1852	373	232	---	---	21.1	2.2	---	---	---
8	Mid Rear of Left Front Door	2325	-790	550	---	---	148.1	121.1	---	---	---
9	Left Front Door Upper Centerline	2689	-780	828	---	---	255.4	220.7	---	---	---
10	Left Rear Door Mid Rear	1325	-794	750	---	---	143.1	54.9	---	---	---
11	Left Rear Door Upper Centerline	1724	-795	850	---	---	278.2	184.9	---	---	---
12	Left Lower B-Post	2220	-690	302	---	---	50.3	17.2	---	---	---
13	Left Mid B-Post	2292	-700	855	---	---	132.2	26.1	---	---	---
14	Left Lower A-Post	3240	-709	292	---	---	40.9	13.0	---	---	---
15	Left Mid A-Post	3354	-779	825	---	---	21.1	2.8	---	---	---
16	Driver Left Seat Track	2367	-505	289	---	---	77.3	48.1	---	---	---
18	Vehicle CG**	2672	0	442	1.5	10.4	22.2	0.5	6.1	3.6	23.7

*Reference: X - Rear Bumper (+ Forward) Y - Vehicle Centerline (+ To right) Z - Ground Level (+ Up)

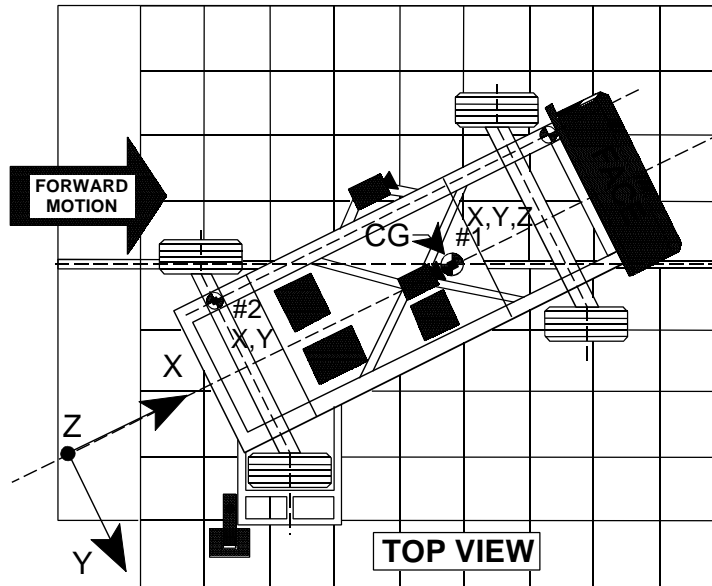
**Data not valid after 30 msec.

DATA SHEET NO. 14

MOVING DEFORMABLE BARRIER (MDB) ACCELEROMETER LOCATIONS AND DATA SUMMARY

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

Vehicle NHTSA No.: M15204 Test Date: November 6, 2000

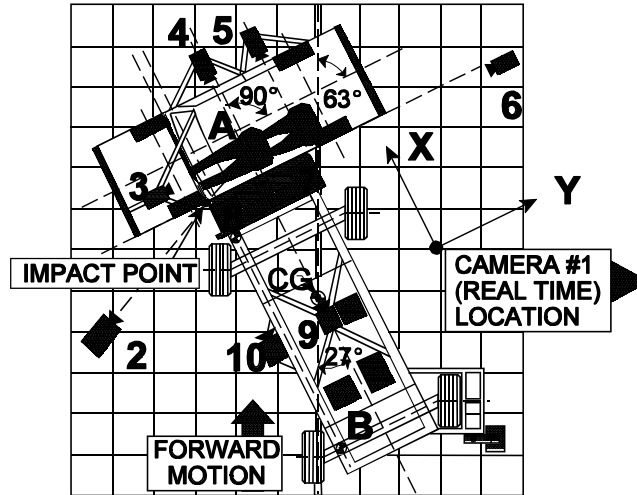


Accel. No.	Description	Coordinates (mm)*			(+) Positive		(-) Negative	
		X	Y	Z	Max. (g)	Time (msec)	Max. (g)	Time (msec)
1	MDB Center of Gravity	-1092	0	483				
	Longitudinal (X)	---	---	---	6.8	134	16.6	39
	Lateral (Y)	---	---	---	7.9	69	17.1	53
	Vertical (Z)	---	---	---	21.3	53	10.9	69
	Resultant (R)	---	---	---	30.2	53	--	--
2	Rear Frame Member	-2501	-625	622				
	Longitudinal (X)	---	---	---	2.1	114	21.1	28
	Lateral (Y)	---	---	---	6.4	26	1.3	199

*Reference: X - Front Axle (+ Forward)
 Y - Vehicle Centerline (+ To right)
 Z - Ground Level (+ Up)

DATA SHEET NO. 15
HIGH SPEED CAMERA LOCATIONS AND DATA

Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door
 Vehicle NHTSA No.: M15204 Test Date: November 6, 2000



Camera No.	View	Coordinates (mm)*			Lens (mm)	Film Speed (fps)
		X	Y	Z		
1	Real Time	--	--	--	10	24
2	Left Impact	-950	-3050	1660	13	1015
3	Onboard Hood	--	--	--	8	1005
4	Onboard Front	--	--	--	13	1005
5	Onboard Rear	--	--	--	8	1015
6	Right Impact	880	10420	1850	13	1010
7	Top Overall	510	1060	5000	8	909
8	Top Impact	-550	270	5000	13	948
9	Cart Overall	--	--	--	13	1010
10	Cart Impact	--	--	--	35	826

* Reference: (from point of impact)
 +X = Forward
 +Y = To Right
 +Z = Upward

DATA SHEET 16
FUEL SYSTEM INTEGRITY POST IMPACT TEST DATA

Vehicle Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door
Vehicle NHTSA No.: M15204 Test Date: November 6, 2000

TEST REQUIREMENTS:

Drain the test vehicle's fuel system and operate the engine until the fuel system is dry. Add Stoddard solvent, which has been dyed purple, until 92-94% of the stated usable capacity is reached. Operate the engine to assure the Stoddard solvent is present throughout the entire fuel system.

TEST VEHICLE IMPACT TYPE: X Side Impact MDB 38.4 mph (61.8 kph)

FUEL SPILLAGE MEASUREMENT:

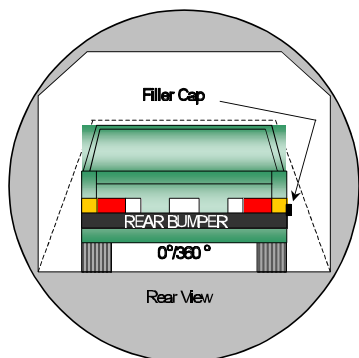
POST IMPACT TEST	TEST RESULTS	MAXIMUM ALLOWABLE
1. From impact until vehicle motion ceases	0 oz.	1 oz
2. For 5 minute period after vehicle motion ceases	0 oz.	5 oz
3. For next 25 minutes	0 oz.	1 oz./1 min

FUEL SPILLAGE LOCATION(S): None

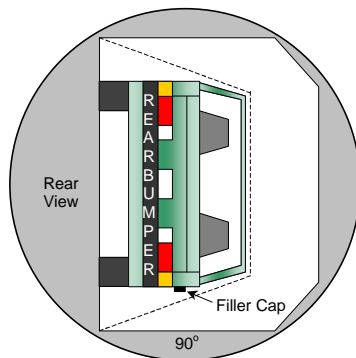
DATA SHEET 16
FMVSS 301 STATIC ROLLOVER TEST DATA

Vehicle Year/Make/Model/Body Style: 2001/Nissan/Maxima GXE/4 door

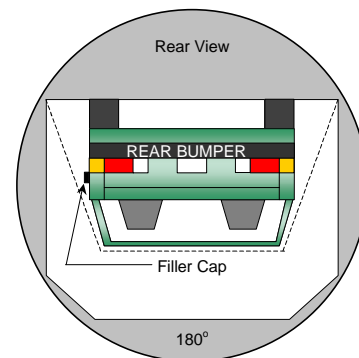
Vehicle NHTSA No.: M15204 Test Date: November 6, 2000



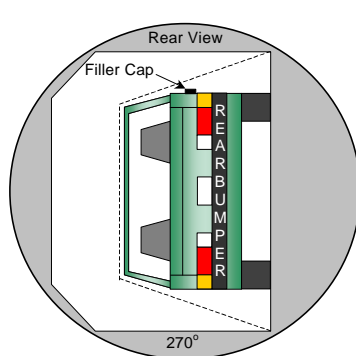
0E TO 90E



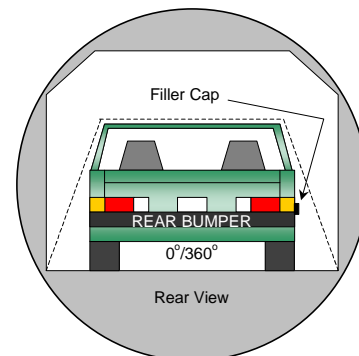
90E TO 180E



180E TO 270E



270E TO 360E



1. The specified fixture rollover rate for each 90E of rotation is 60 to 180 seconds.
2. The position hold time at each position is 300 seconds (minimum).
3. Details of Stoddard Solvent spillage locations:

No solvent leakage occurred during static rollover testing.

TEST PHASE	Rotation Time (sec.)	Hold Time (sec.)	Spillage (oz.)
0E to 90E	177	300	0
90E to 180E	151	300	0
180E to 270 E	155	300	0
270E to 360E	158	300	0

APPENDIX A - PHOTOGRAPHS

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Photo No. A-1 - Pre-Test Front View of Test Vehicle

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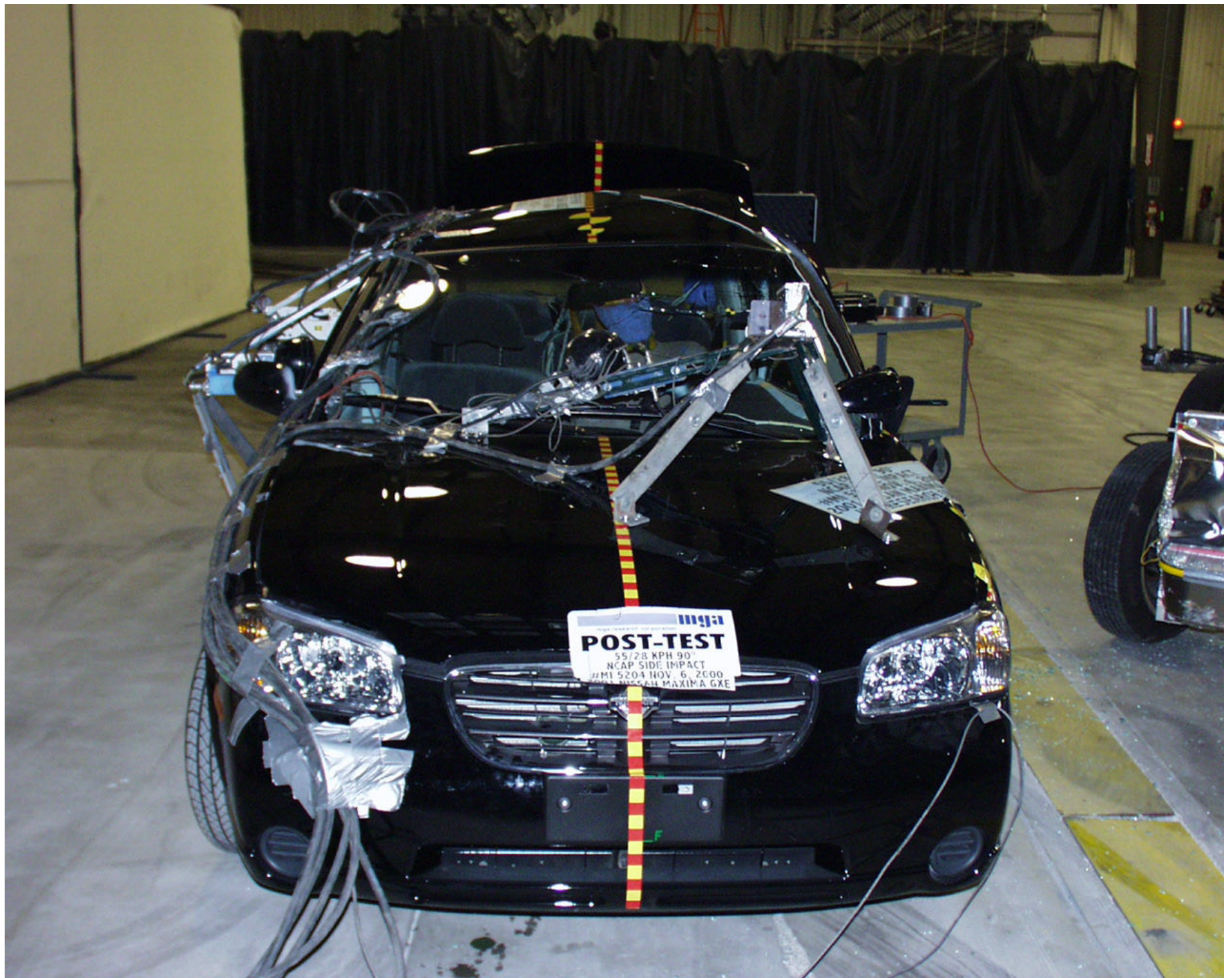


Photo No. A-2 - Post-Test Front View of Test Vehicle

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Photo No. A-3 - Pre-Test Rear View of Test Vehicle

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Photo No. A-4 - Post-Test Rear View of Test Vehicle

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Photo No. A-5 - Pre-Test Left Side View of Test Vehicle

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Photo No. A-6 - Pre-Test MDB Positioned Against Vehicle (left side)

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Photo No. A-7 - Pre-Test MDB Positioned Against Vehicle (right side)

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Photo No. A-8 - Pre-Test MDB Positioned Against Vehicle Overhead View

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Photo No. A-9 - Post-Test MDB and Vehicle (left side)

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Photo No. A-10 - Post-Test MDB and Vehicle (right side)



Photo No. A-11 - Post-Test MDB and Vehicle Overhead View

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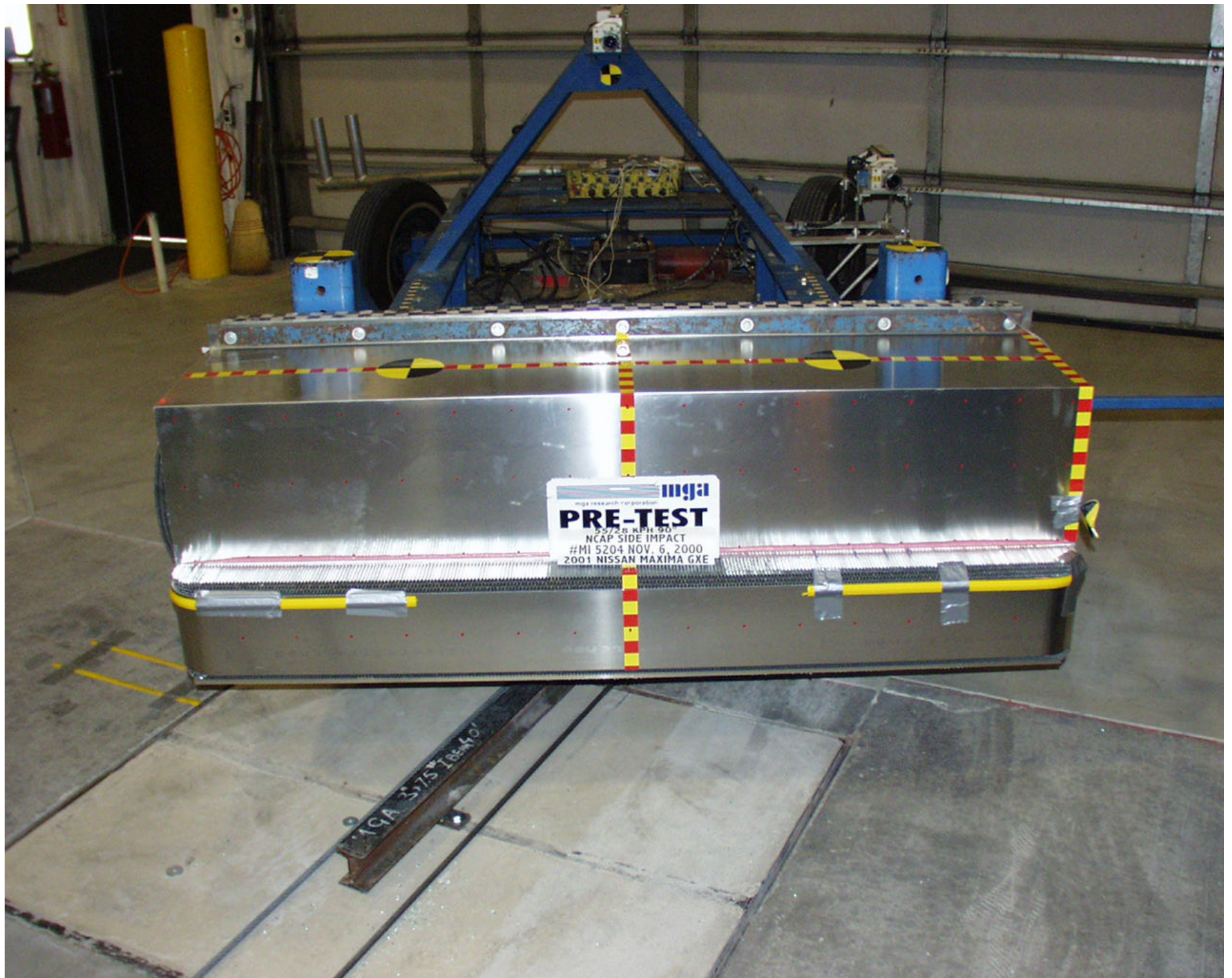


Photo No. A-12 - Pre-Test MDB Front View

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Photo No. A-13 - Post-Test MDB Front View



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Photo No. A-14 - Pre-Test MDB Right Side View

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Photo No. A-15 - Post-Test MDB Right Side View

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Photo No. A-16 - Pre-Test MDB Left Side View



Photo No. A-17 - Post-Test MDB Left Side View

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Photo No. A-18 - Pre-Test Driver Dummy Right Side View

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Photo No. A-19 - Post-Test Driver Dummy Right Side View

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Photo No. A-20 - Pre-Test Driver Dummy Left Side View

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Photo No. A-21 - Post-Test Driver Dummy Left Side View



Photo No. A-22 - Pre-Test Driver Dummy Left Side View (Door Open)

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Photo No. A-23 - Pre-Test Driver Dummy Shoulder and Door Top View

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Photo No. A-24 - Post-Test Driver Dummy Shoulder and Door Top View

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Photo No. A-25 - Post-Test Driver Dummy Contact

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Photo No. A-26 - Pre-Test Passenger Dummy Right Side View

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Photo No. A-27 - Post-Test Passenger Dummy Right Side View

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Photo No. A-28 - Pre-Test Passenger Dummy Left Side View

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Photo No. A-29 - Post-Test Passenger Dummy Left Side View

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Photo No. A-30 - Pre-Test Passenger Dummy Left Side View (Door Open)

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Photo No. A-31 - Pre-Test Passenger Dummy Shoulder and Door Top View

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Photo No. A-32 - Post-Test Passenger Dummy Shoulder and Door Top View

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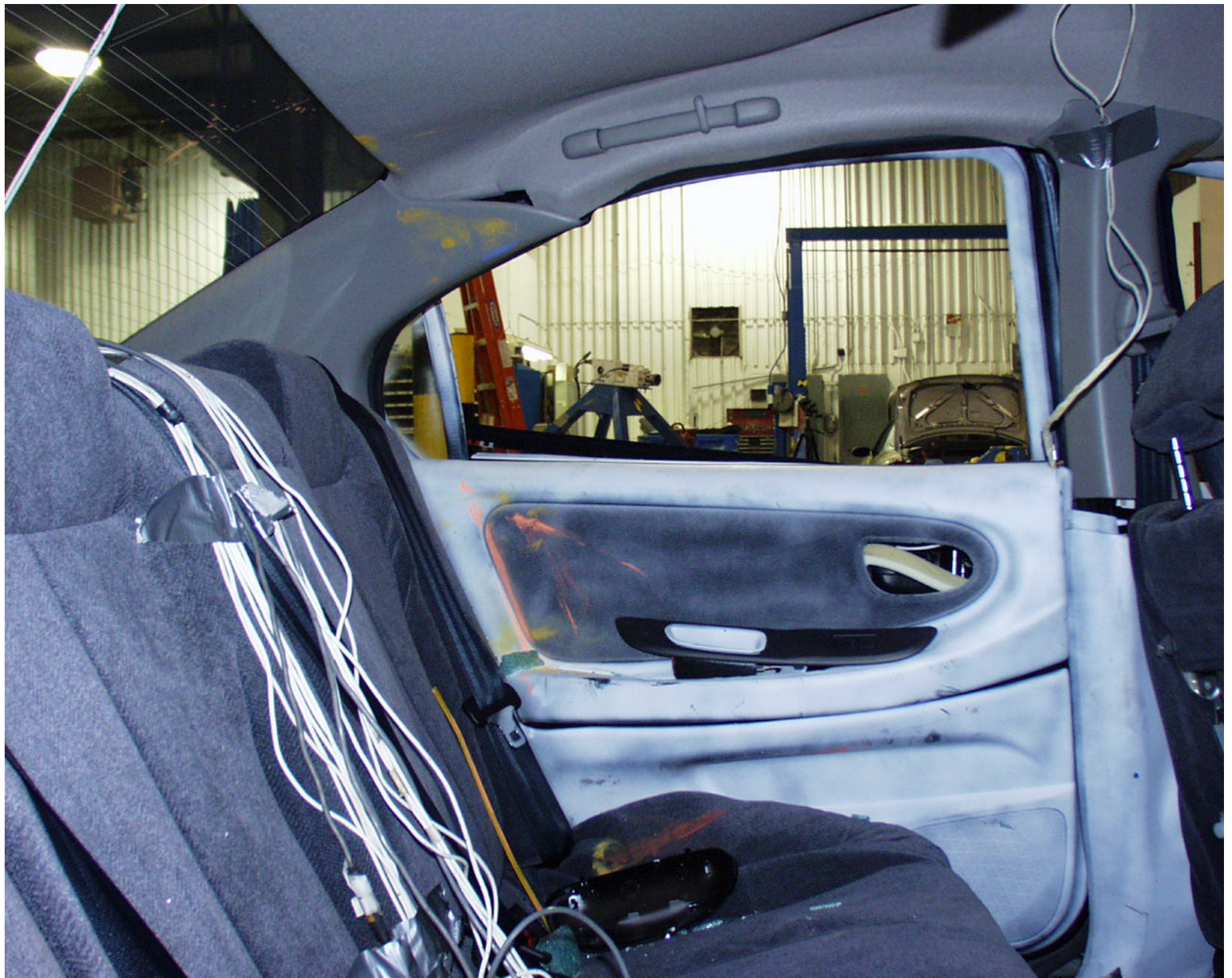


Photo No. A-33 - Post-Test Passenger Dummy Contact

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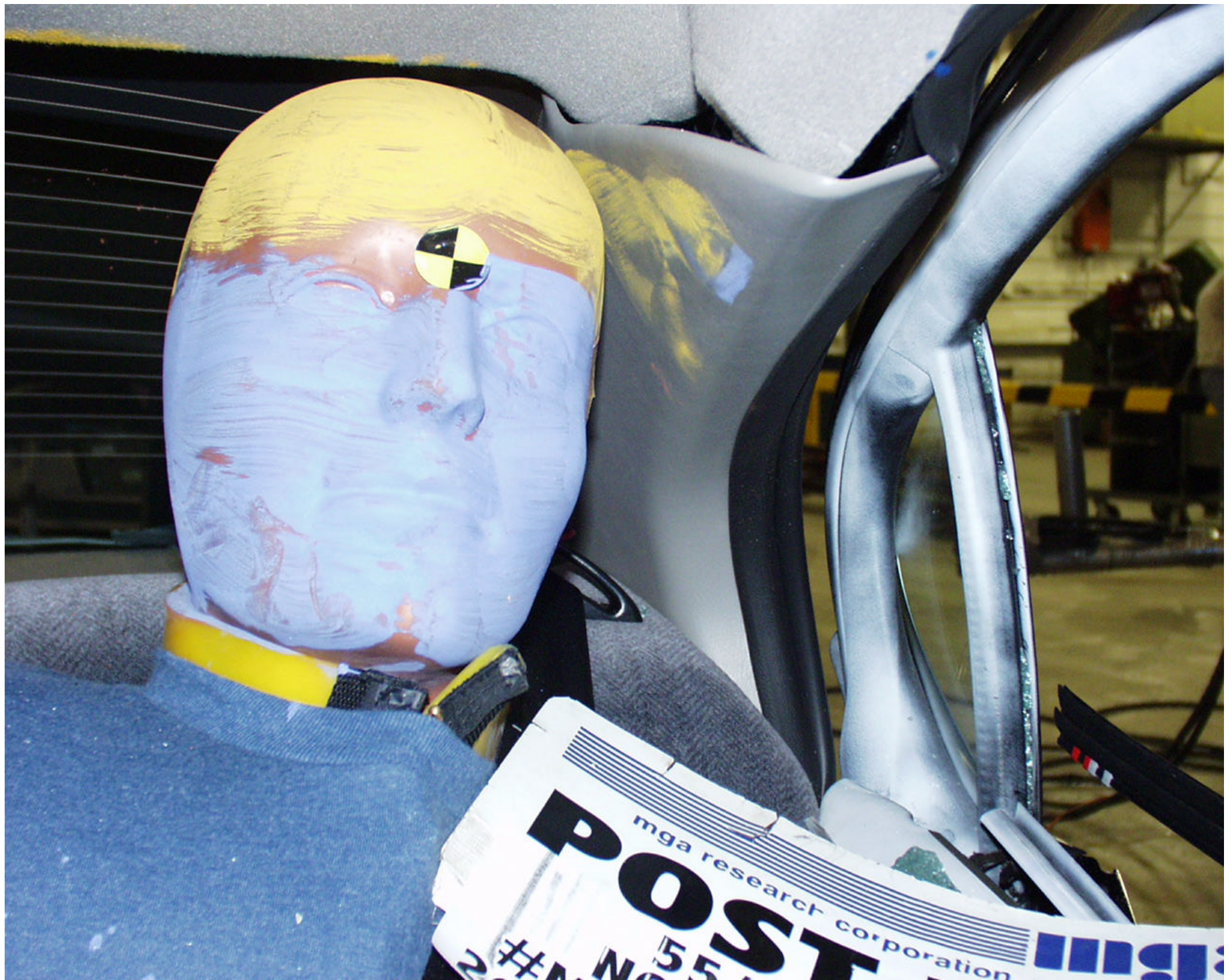


Photo No. A-34 - Post-Test Passenger Dummy Head Contact

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Photo No. A-35 - Post-Test Passenger Dummy Head Contact

A-36



Photo No. A-36 - Pre-Test Left Front Impact Point on Vehicle

 **mga**
mga research corporation
POST-TEST
55/28 KPH 90°
NCAP SIDE IMPACT
#MI 5204 NOV. 6, 2000
2001 NISSAN MAXIMA GXE

A-37

Photo No. A-37 - Post-Test Left Front Impact Point on Vehicle

MFD.BY NISSAN MOTOR CO.,LTD

DATE 09/00

GVWR/PNBV 4310 LBS.

GAWR/PNBE FR. 2313 LBS. RR. 2013 LBS.

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL
MOTOR VEHICLE SAFETY, BUMPER, AND THEFT PREVENTION
STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE
SHOWN ABOVE.

JN1CA31D81T809598

PASSENGER CAR/VOITURE DE TOURISME



JN1CA31D81T809598

A-38

A-39

VEHICLE CAPACITY WEIGHT POIDS UTILE DU VEHICULE	882lbs	SEATING CAPACITY NOMBRE DE PLACES	FRONT AVANT 2	TOTAL TOTAL 5	SPARE TIRE ROUE DE SECOURS T125/70D16	psi (kPa) 60 (420)
	400kg		REAR ARRIERE 3			
RECOMMENDED COLD TIRE INFLATION PRESSURE PRESSION DE GONFLAGE RECOMMANDEE DES PNEUS FROIDS.						
TIRE SIZE DIMENSIONS	FRONT psi AVANT (kPa)		REAR psi ARRIERE (kPa)		DO NOT USE IN EXCESS OF 50MPH. 80Km/h SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION. UTILISATION A UNE VITESSE MAX 50MPH. 80Km/h POUR LES DETAILS SE REFERER AU MANUEL DU CONDUCTEUR.	
	P205/65R15 92H	29 (200)	29 (200)			
SB					2Y900	

Photo No. A-39 - Tire Placard

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Photo No. A-40 - Rollover 90°

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Photo No. A-41 - Rollover 180°



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Photo No. A-42 - Rollover 270°

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Photo No. A-43 - Rollover 360°



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Photo No. A-44 - Left Front Attitude Point

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Photo No. A-45 - Right Front Attitude Point



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Photo No. A-46 - Left Rear Attitude Point



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Photo No. A-47 - Right Rear Attitude Point

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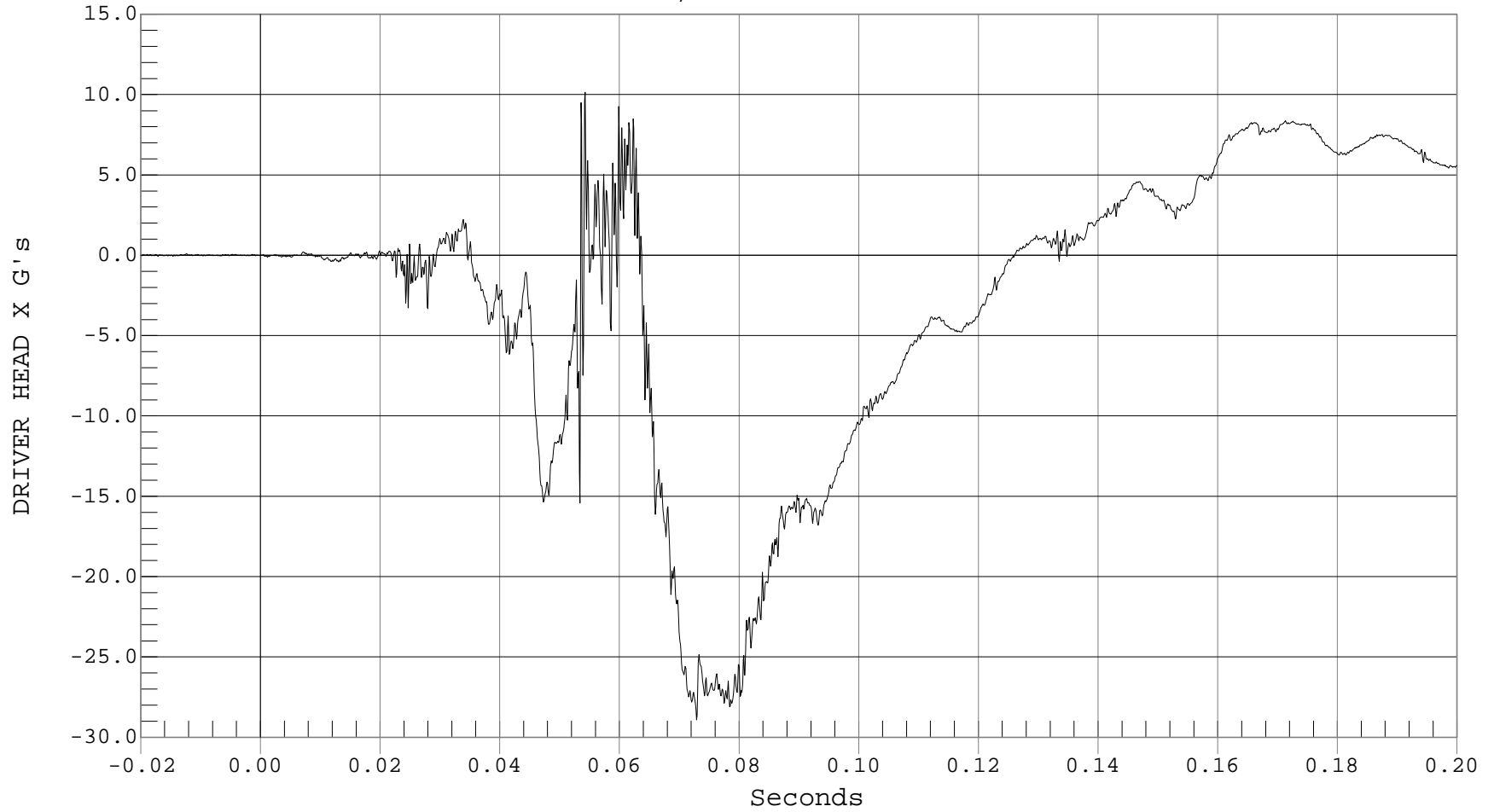
DRIVER HEAD X ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER HEAD X, B00093AT.A01

Ymin = -28.93 G's @ 0.0729 Seconds, Ymax = 10.15 G's @ 0.0543 Seconds





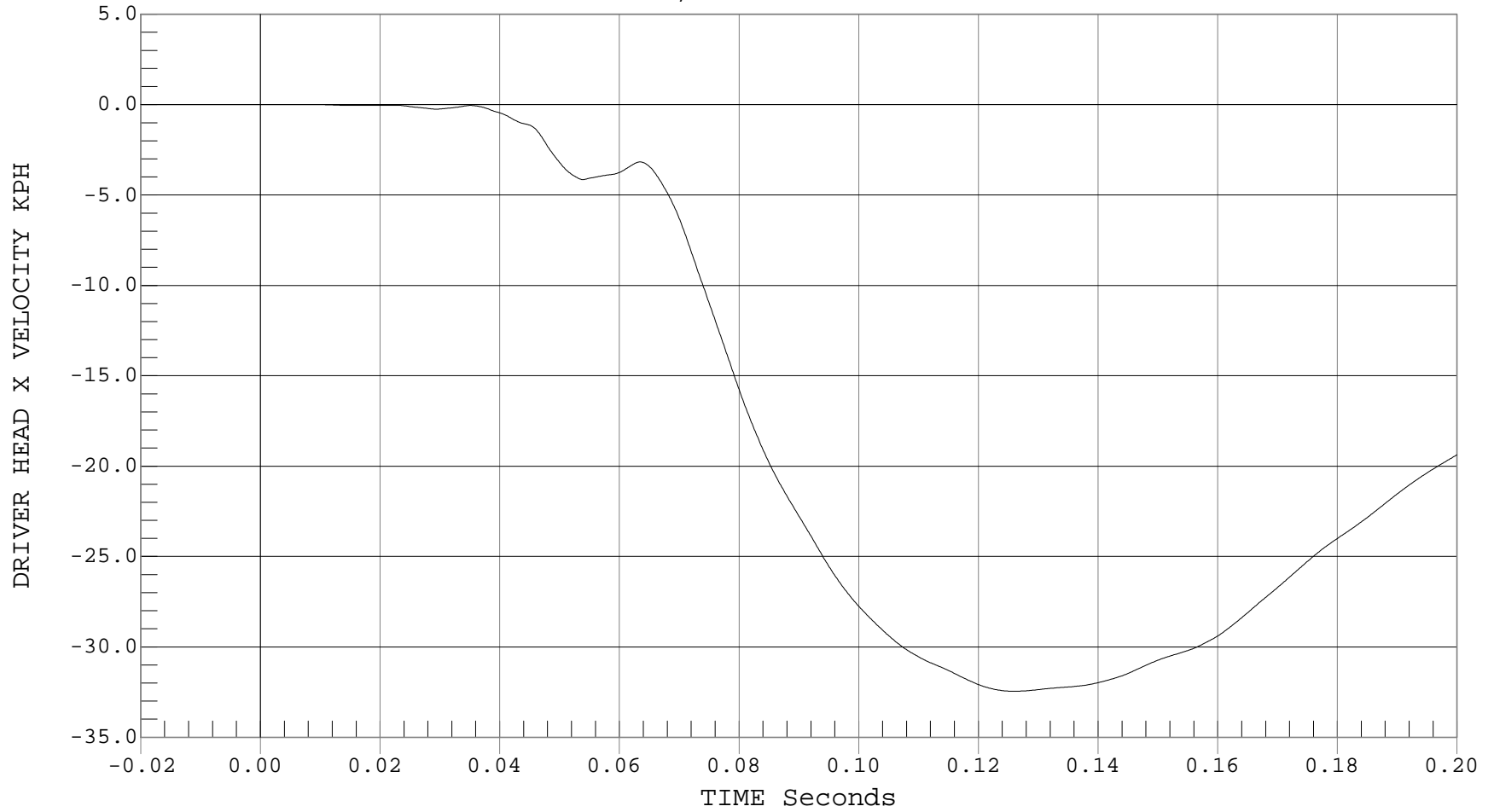
DRIVER HEAD X VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER HEAD X VELOCITY, B00093AI.V01

Ymin = -32.46 KPH @ 0.1259 Seconds, Ymax = 0 KPH @ -0.0002 Seconds





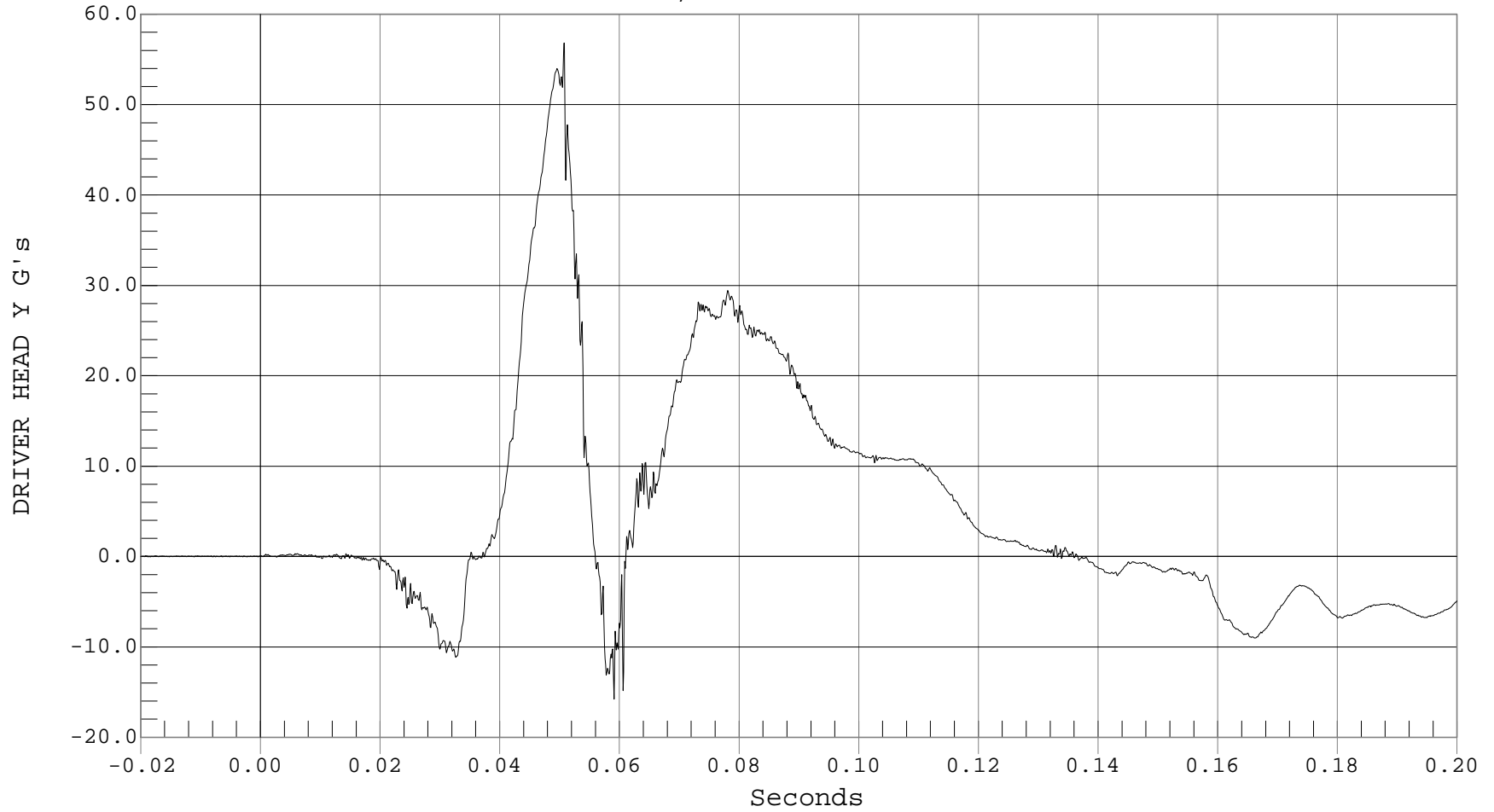
DRIVER HEAD Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER HEAD Y, B00093AT.A02

Ymin = -15.78 G's @ 0.0591 Seconds, Ymax = 56.8 G's @ 0.0507 Seconds





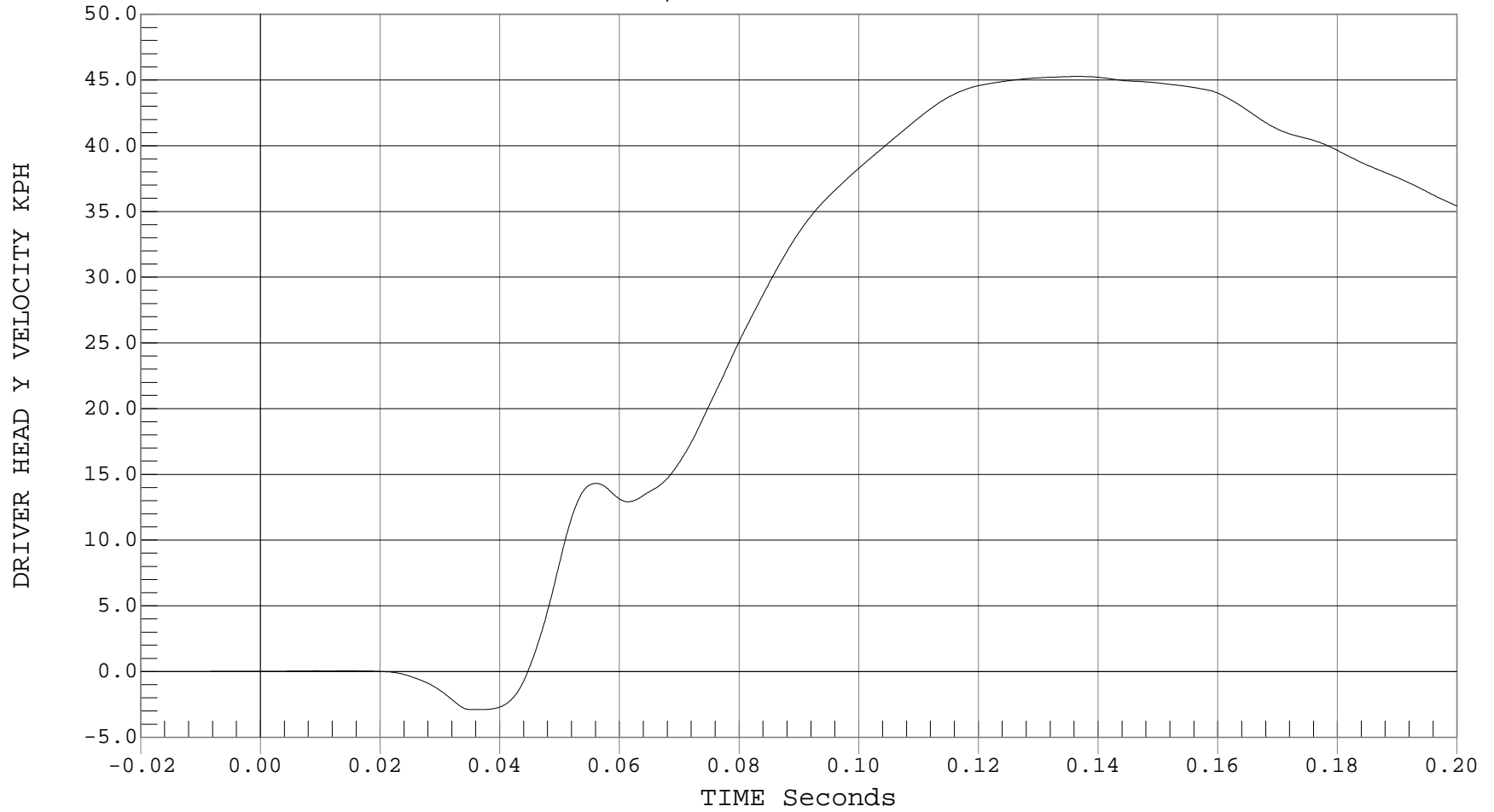
DRIVER HEAD Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER HEAD Y VELOCITY, B00093AI.V02

Ymin = -2.89 KPH @ 0.0354 Seconds, Ymax = 45.27 KPH @ 0.1364 Seconds





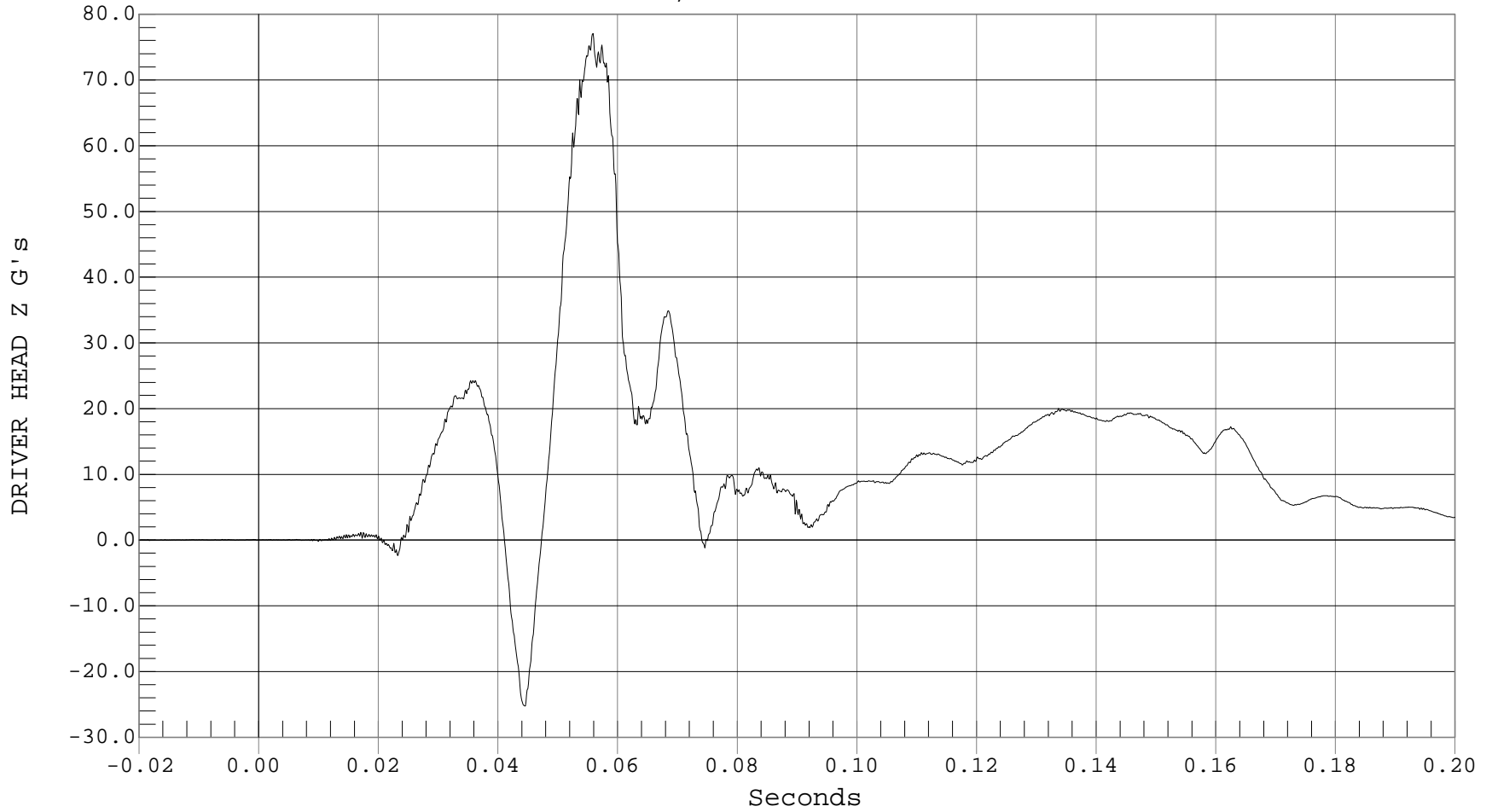
DRIVER HEAD Z ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER HEAD Z, B00093AT.A03

Ymin = -25.21 G's @ 0.0445 Seconds, Ymax = 77.07 G's @ 0.0559 Seconds





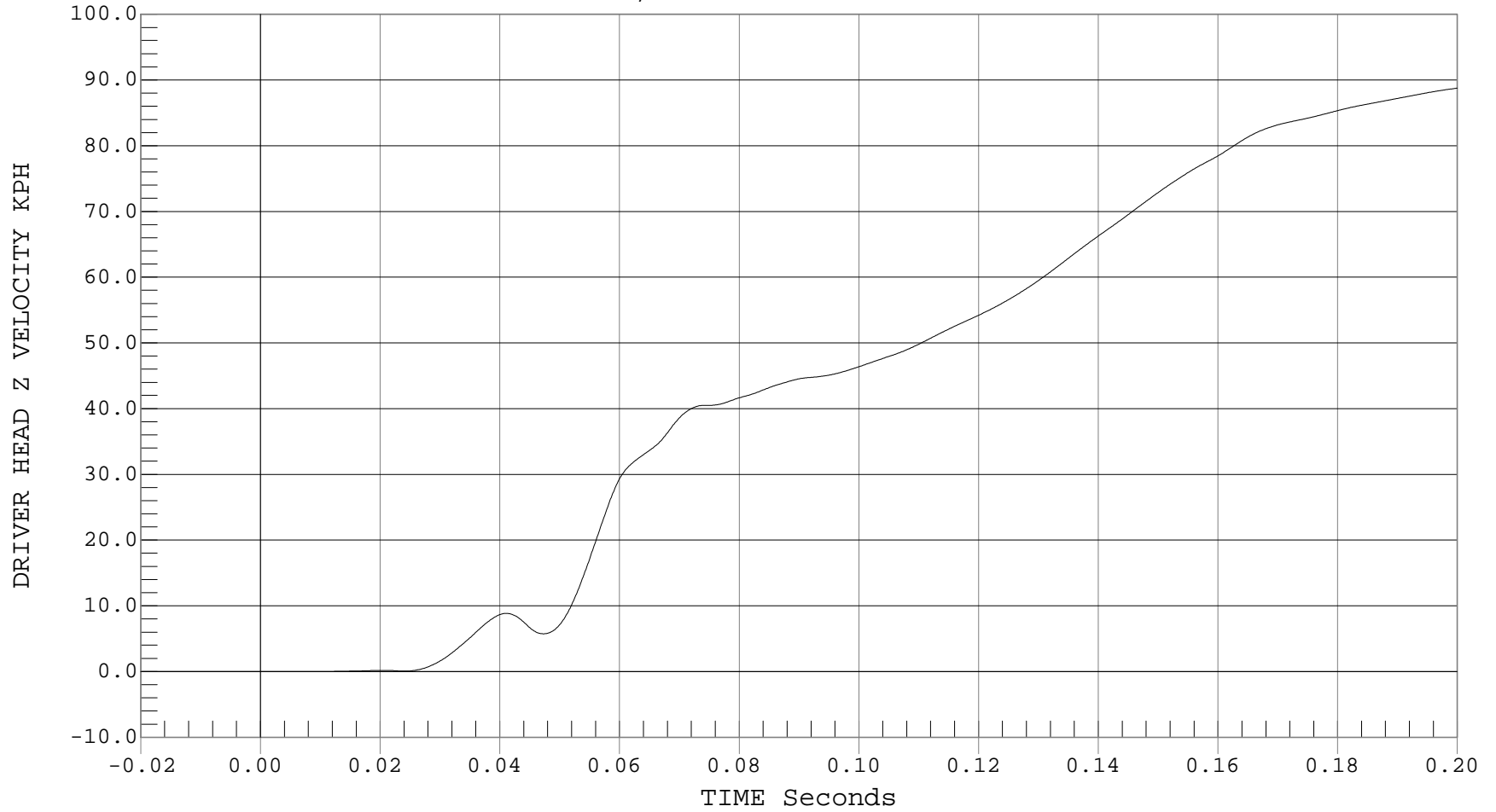
DRIVER HEAD Z VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER HEAD Z VELOCITY, B00093AI.V03

Ymin = 0 KPH @ -0.0141 Seconds, Ymax = 88.77 KPH @ 0.2001 Seconds





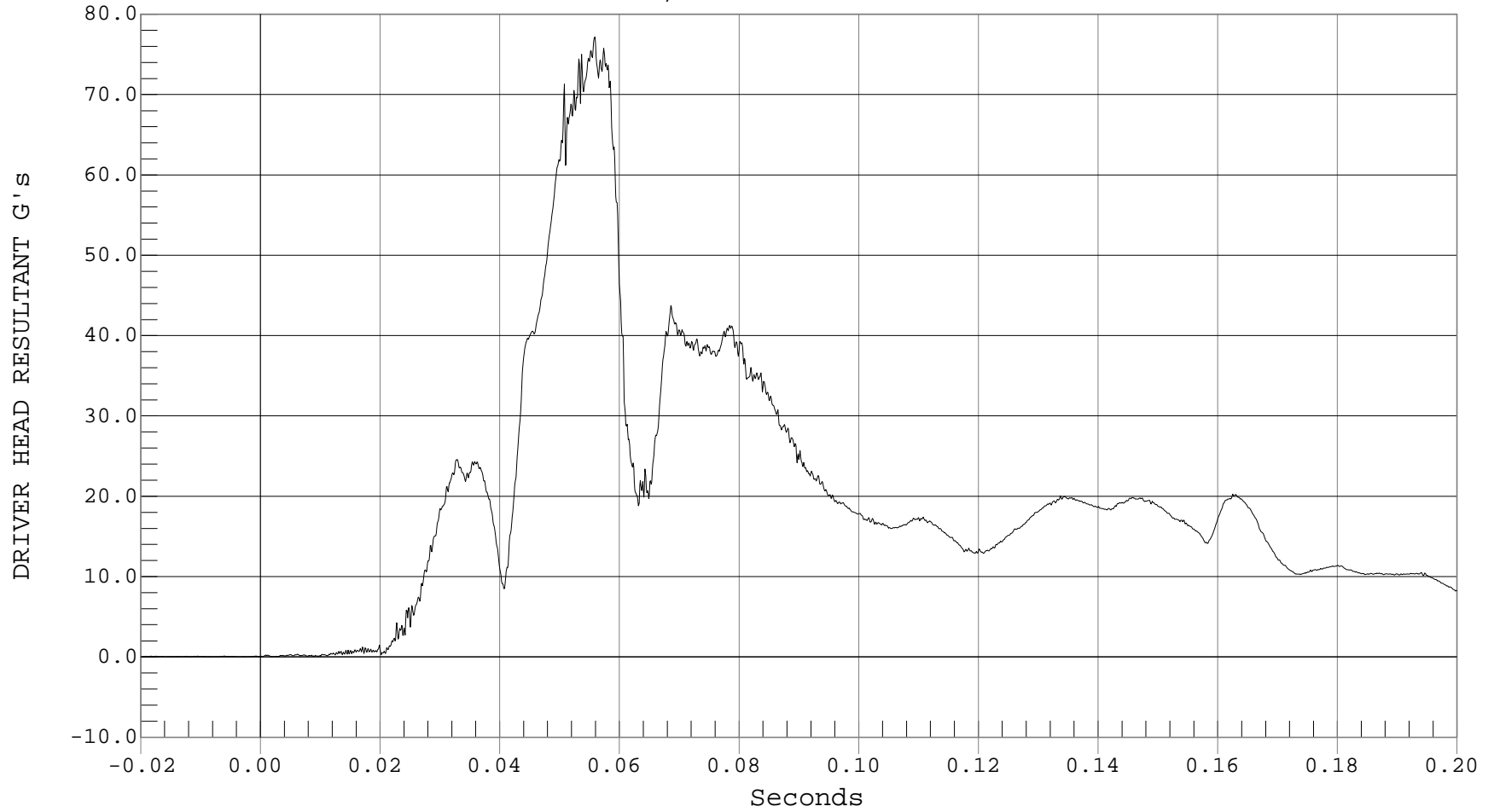
DRIVER HEAD RESULTANT ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER HEAD RESULTANT, B00093AV.A01

Ymin = .01 G's @ -0.0186 Seconds, Ymax = 77.19 G's @ 0.0559 Seconds





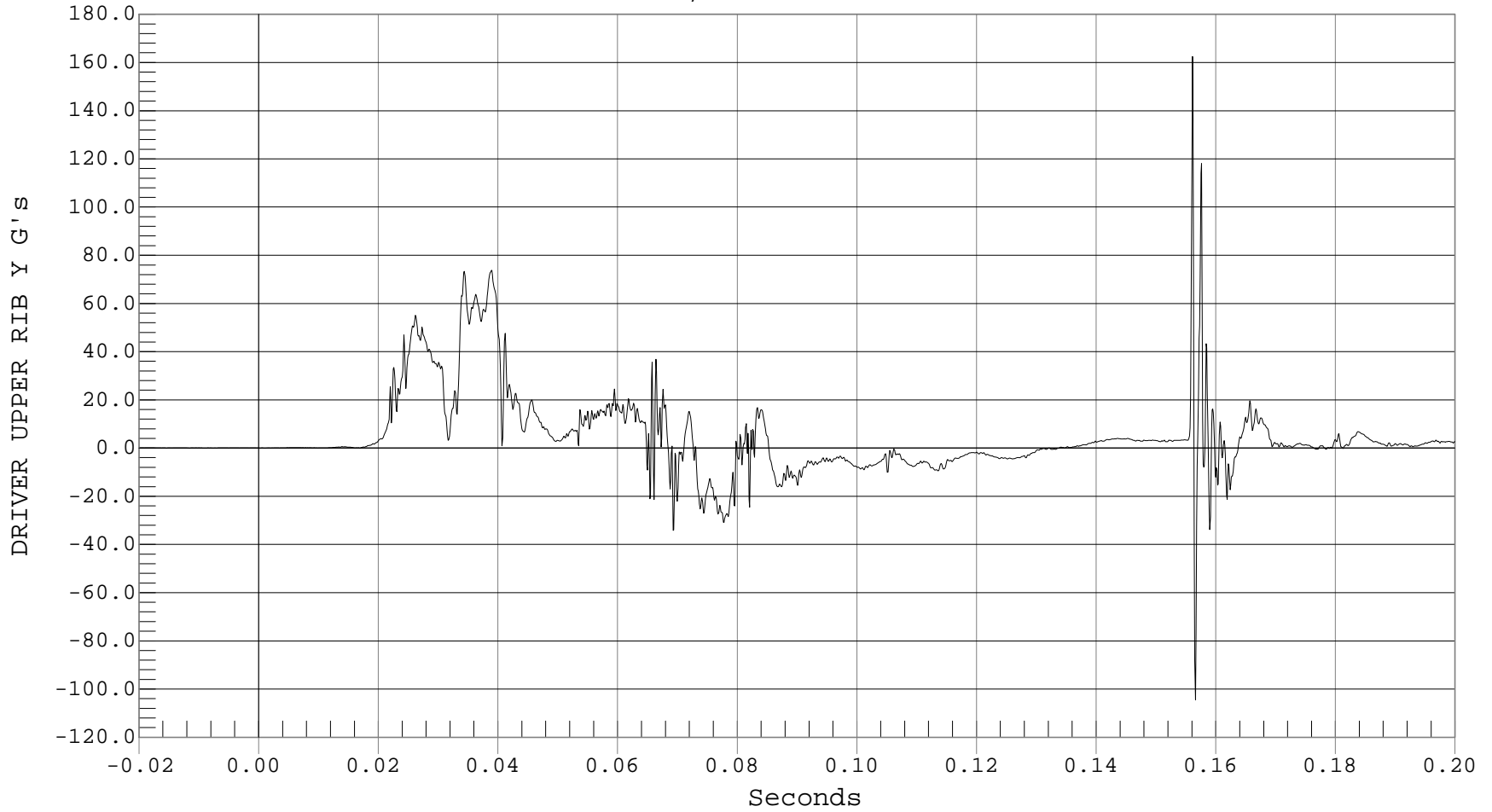
DRIVER UPPER RIB Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER UPPER RIB Y, B00093AT.A04

Ymin = -104.57 G's @ 0.1566 Seconds, Ymax = 162.48 G's @ 0.1561 Seconds





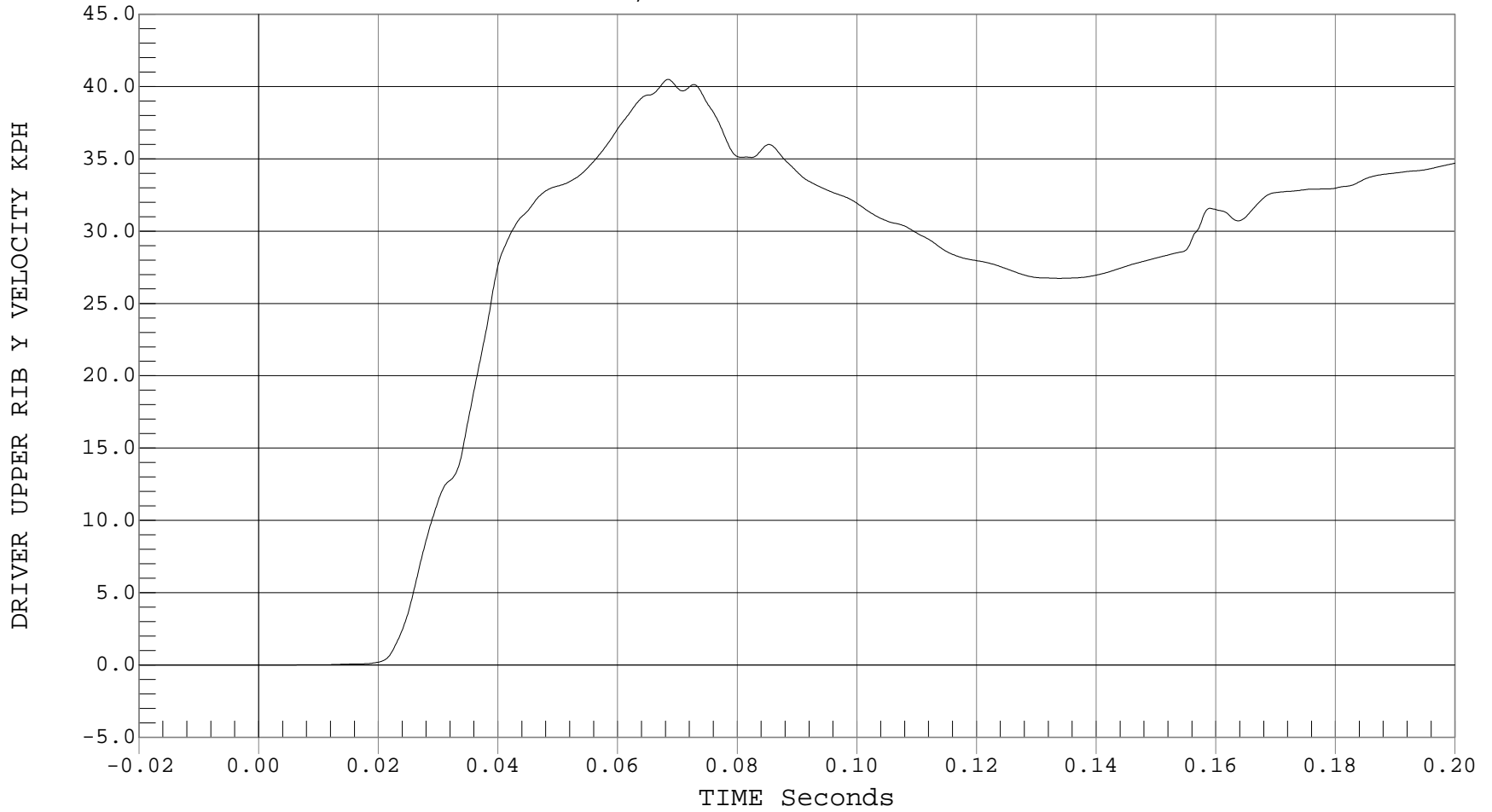
DRIVER UPPER RIB Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER UPPER RIB Y VELOCITY, B00093AI.V04

Ymin = 0 KPH @ -0.0066 Seconds, Ymax = 40.5 KPH @ 0.0685 Seconds





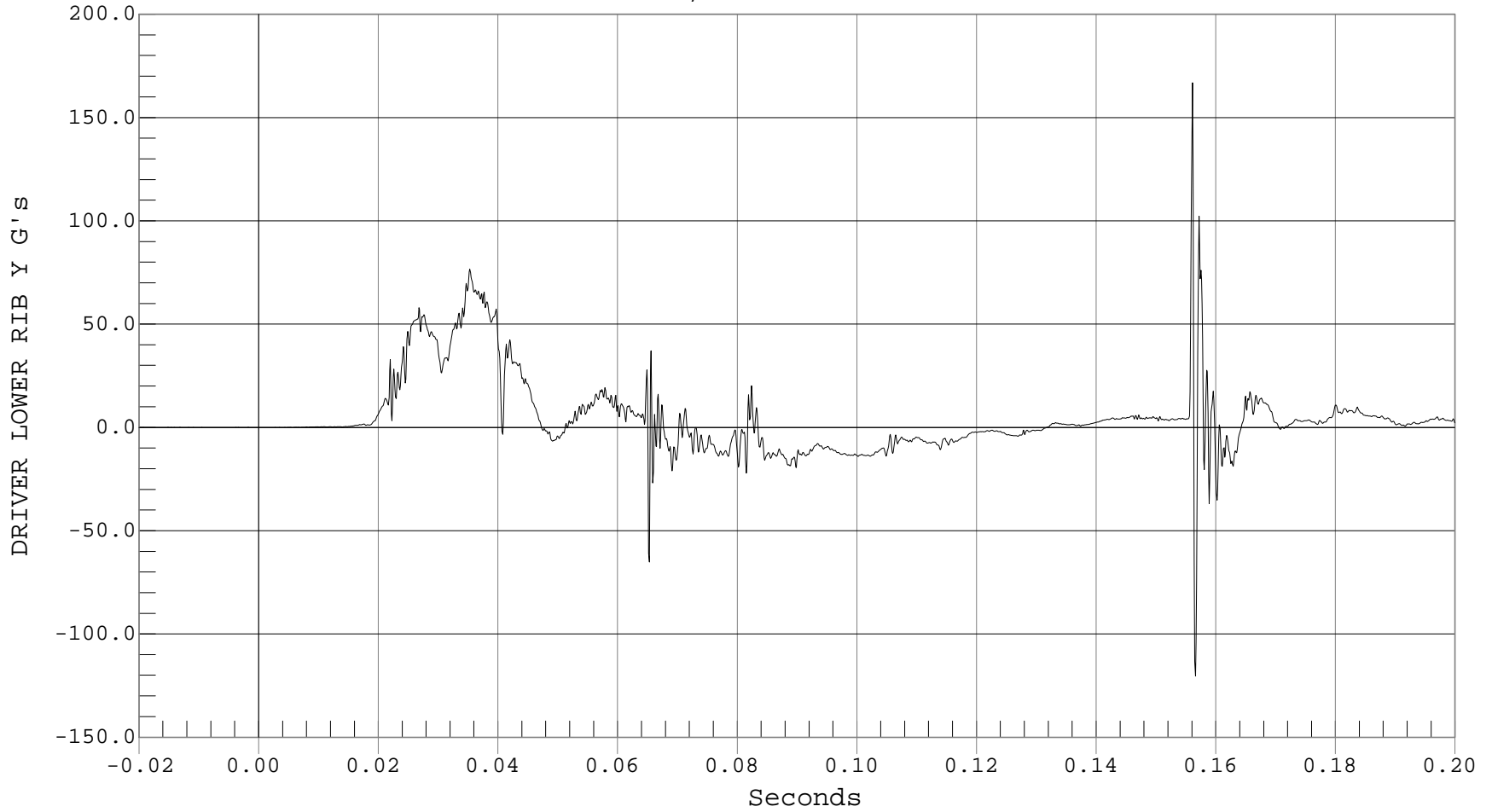
DRIVER LOWER RIB Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER LOWER RIB Y, B00093AT.A05

Ymin = -120.28 G's @ 0.1566 Seconds, Ymax = 166.85 G's @ 0.1561 Seconds





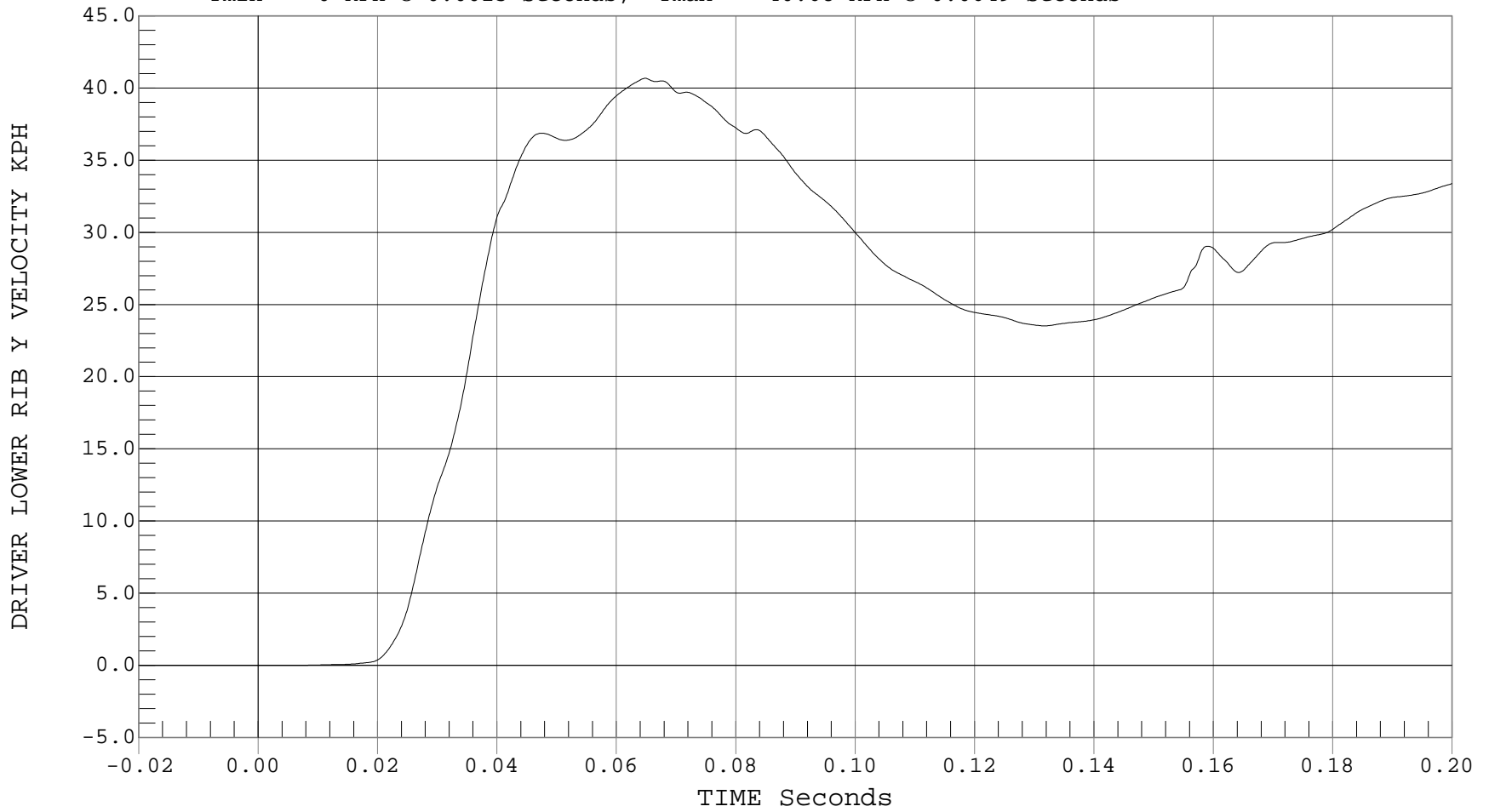
DRIVER LOWER RIB Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER LOWER RIB Y VELOCITY, B00093AI.V05

Ymin = 0 KPH @ 0.0025 Seconds, Ymax = 40.68 KPH @ 0.0649 Seconds





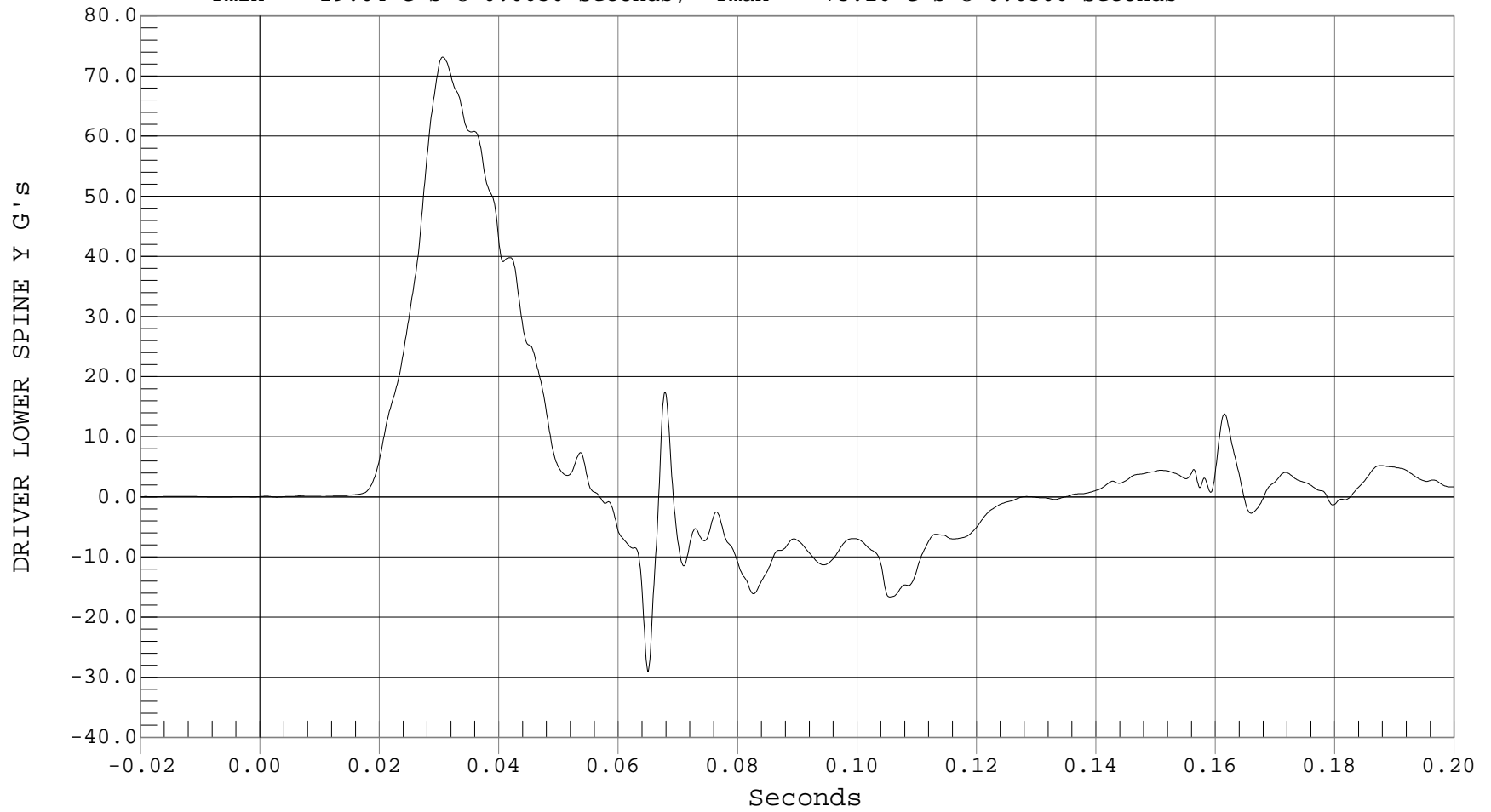
DRIVER LOWER SPINE Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER LOWER SPINE Y, B00093AF.A06

Ymin = -29.04 G's @ 0.0650 Seconds, Ymax = 73.16 G's @ 0.0306 Seconds





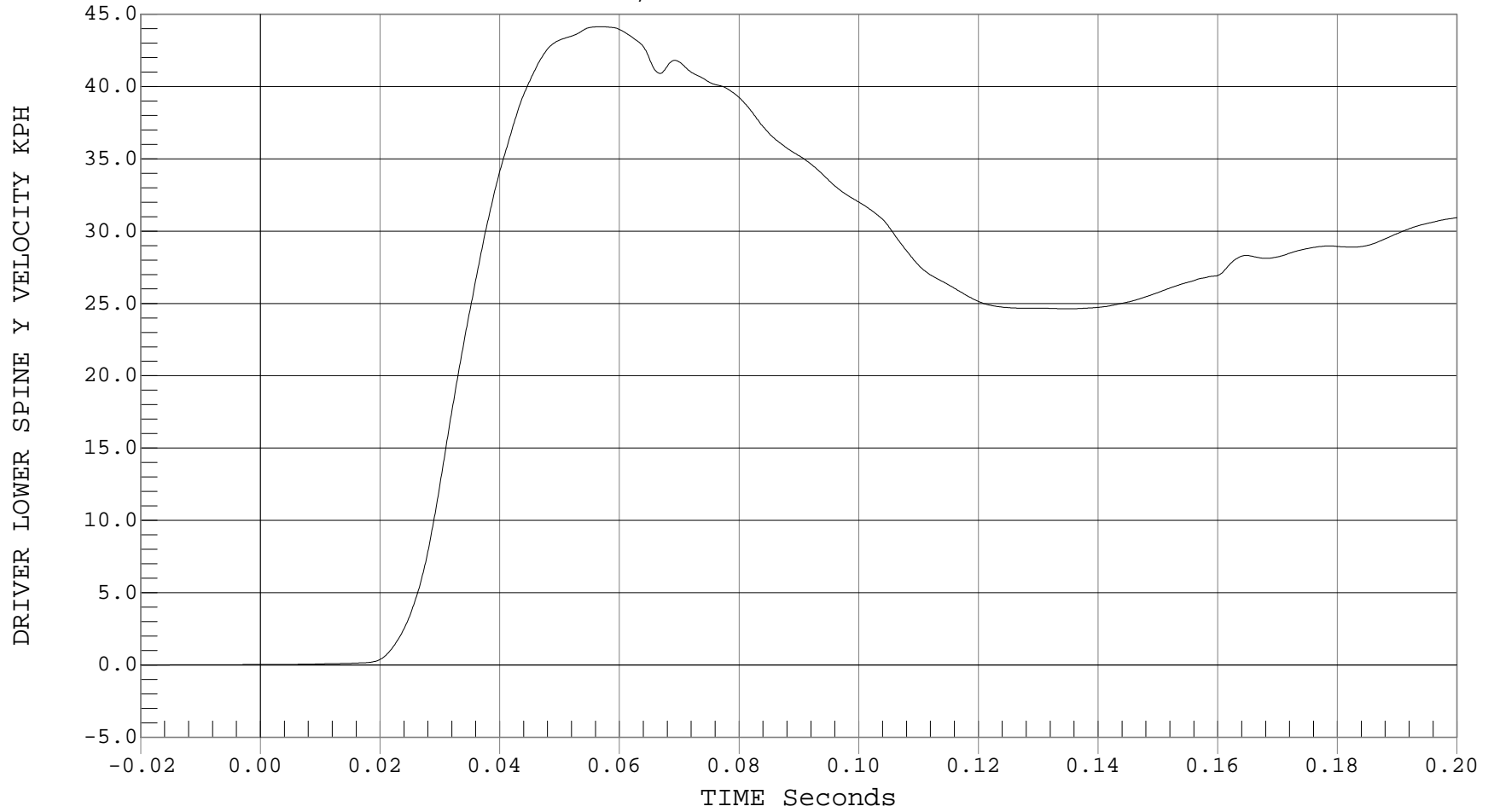
DRIVER LOWER SPINE Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER LOWER SPINE Y VELOCITY, B00093AI.V06

Ymin = 0 KPH @ -0.0198 Seconds, Ymax = 44.14 KPH @ 0.0569 Seconds





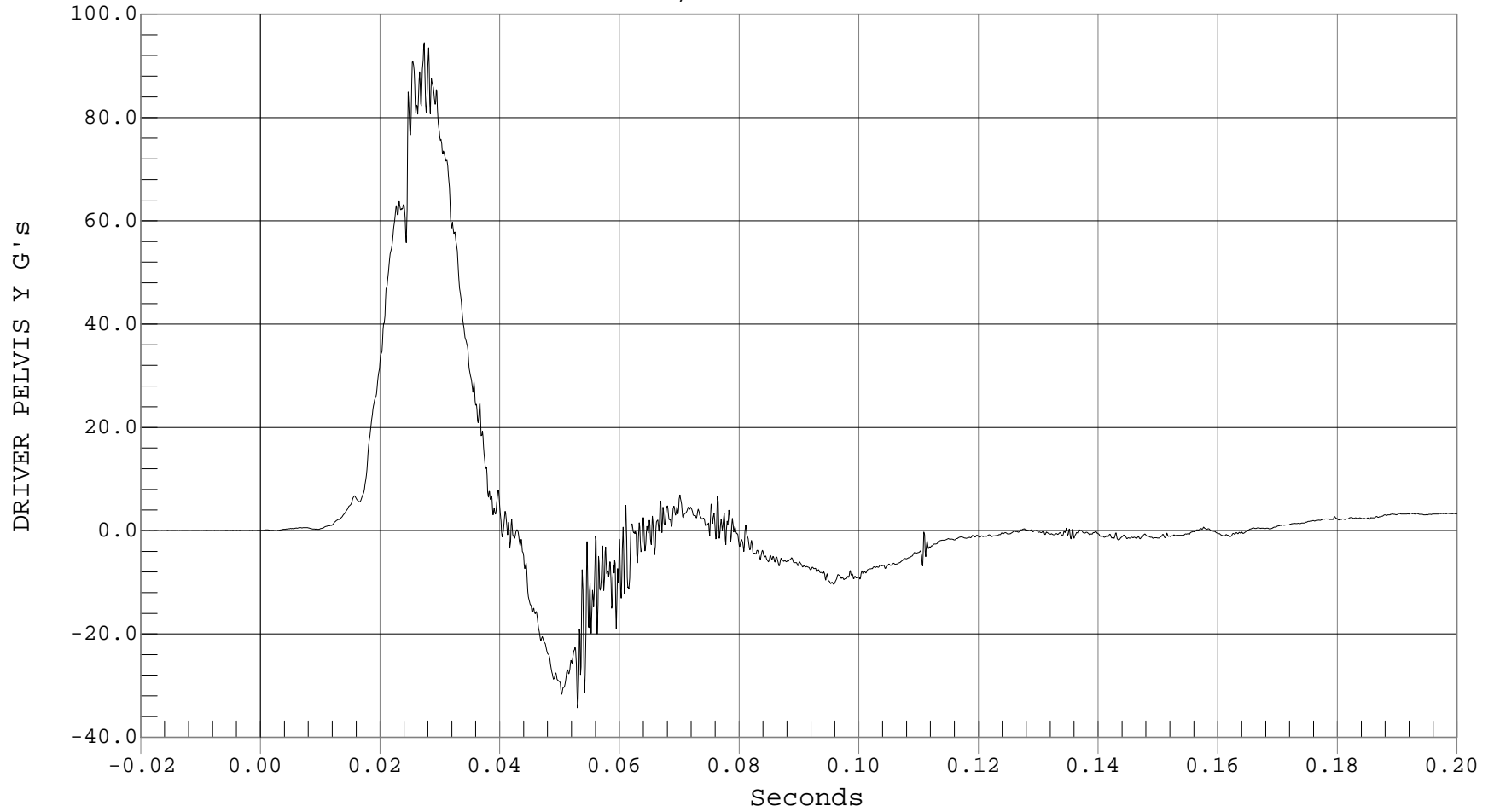
DRIVER PELVIS Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER PELVIS Y, B00093AT.A07

Ymin = -34.33 G's @ 0.0530 Seconds, Ymax = 94.51 G's @ 0.0274 Seconds





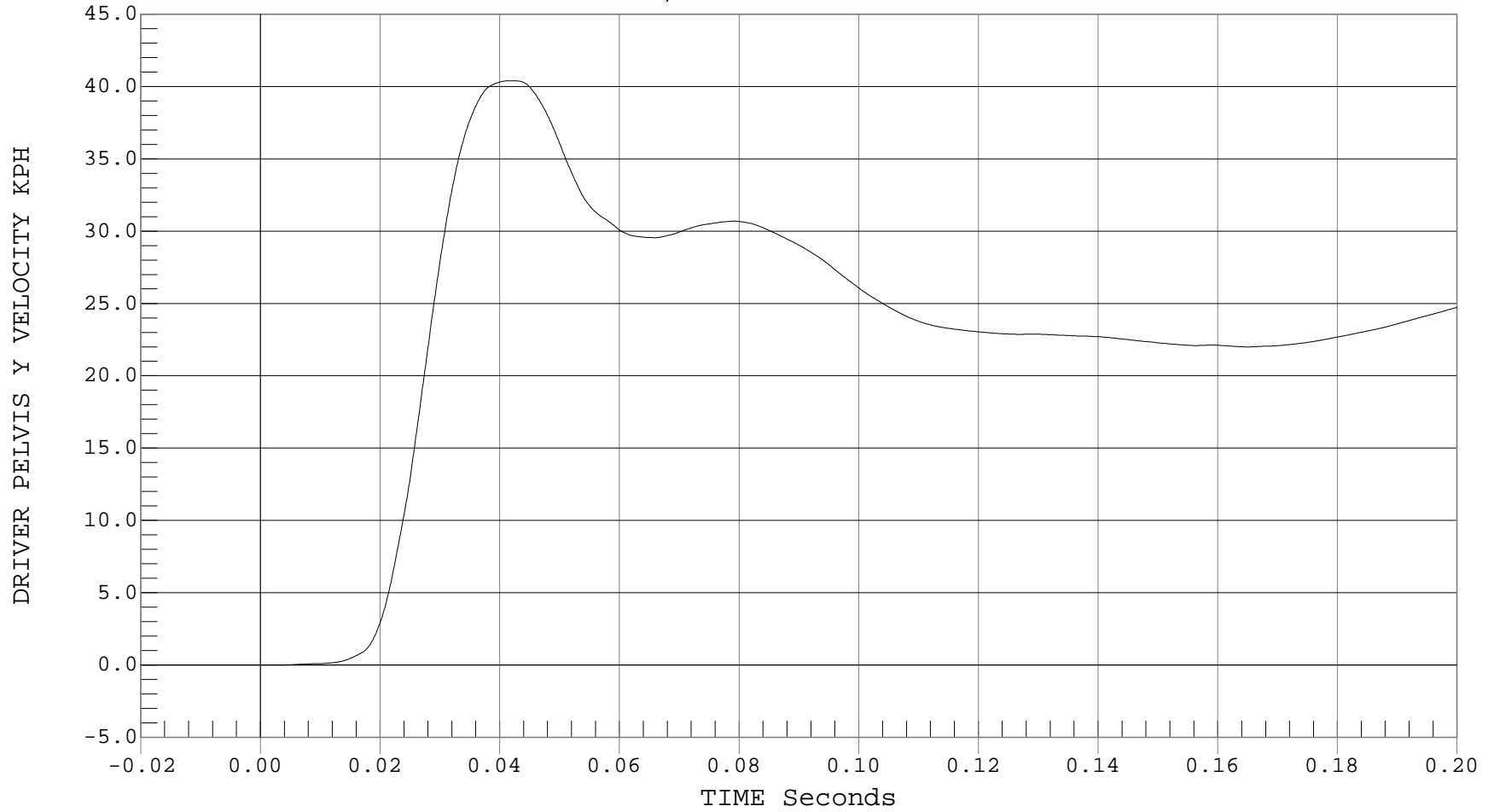
DRIVER PELVIS Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER PELVIS Y VELOCITY, B00093AI.V07

Ymin = -.01 KPH @ -0.0062 Seconds, Ymax = 40.4 KPH @ 0.0418 Seconds





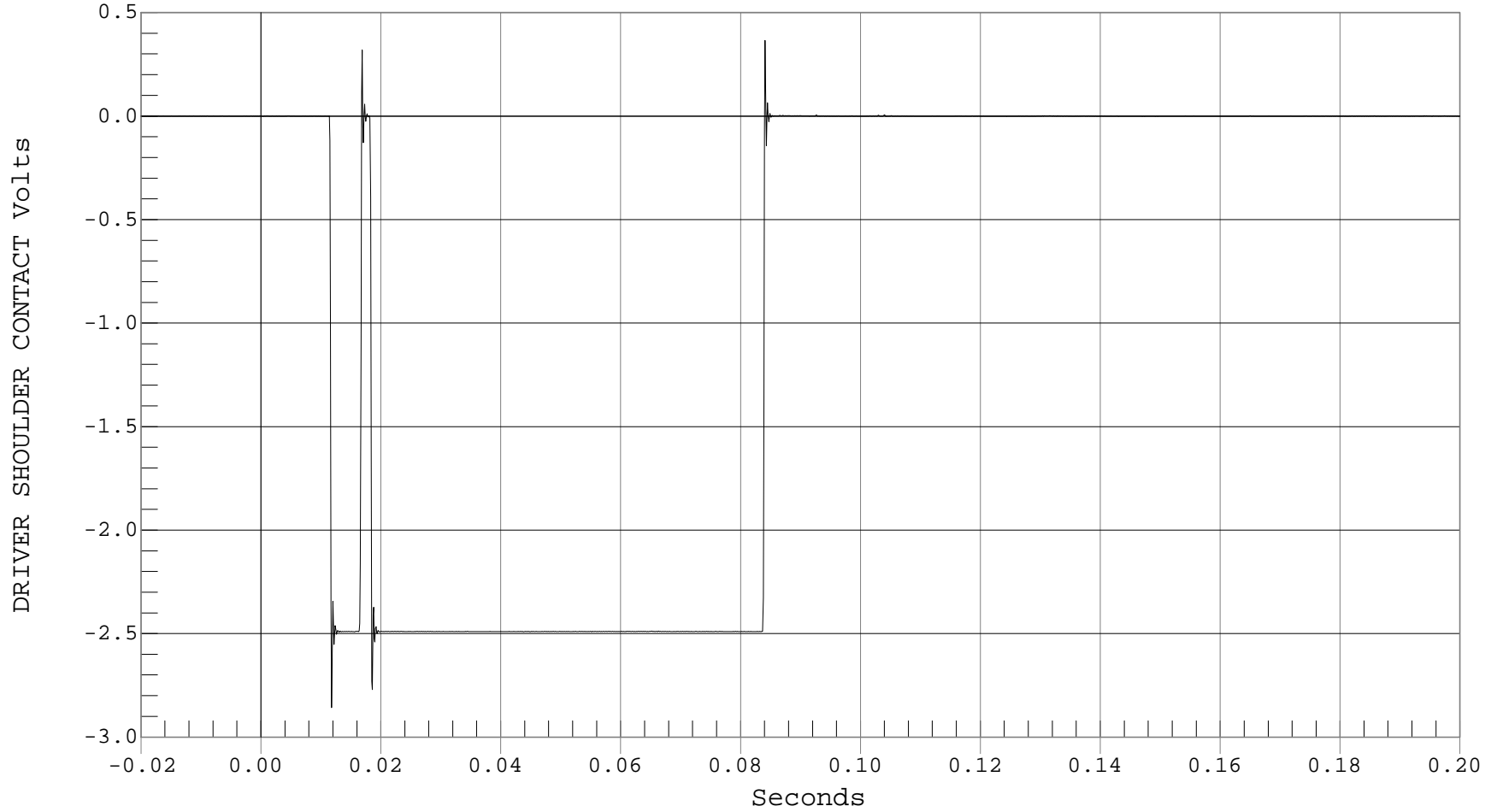
DRIVER SHOULDER CONTACT

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER SHOULDER CONTACT, B000930T.049

Ymin = -2.86 Volts @ 0.0118 Seconds, Ymax = .37 Volts @ 0.0841 Seconds





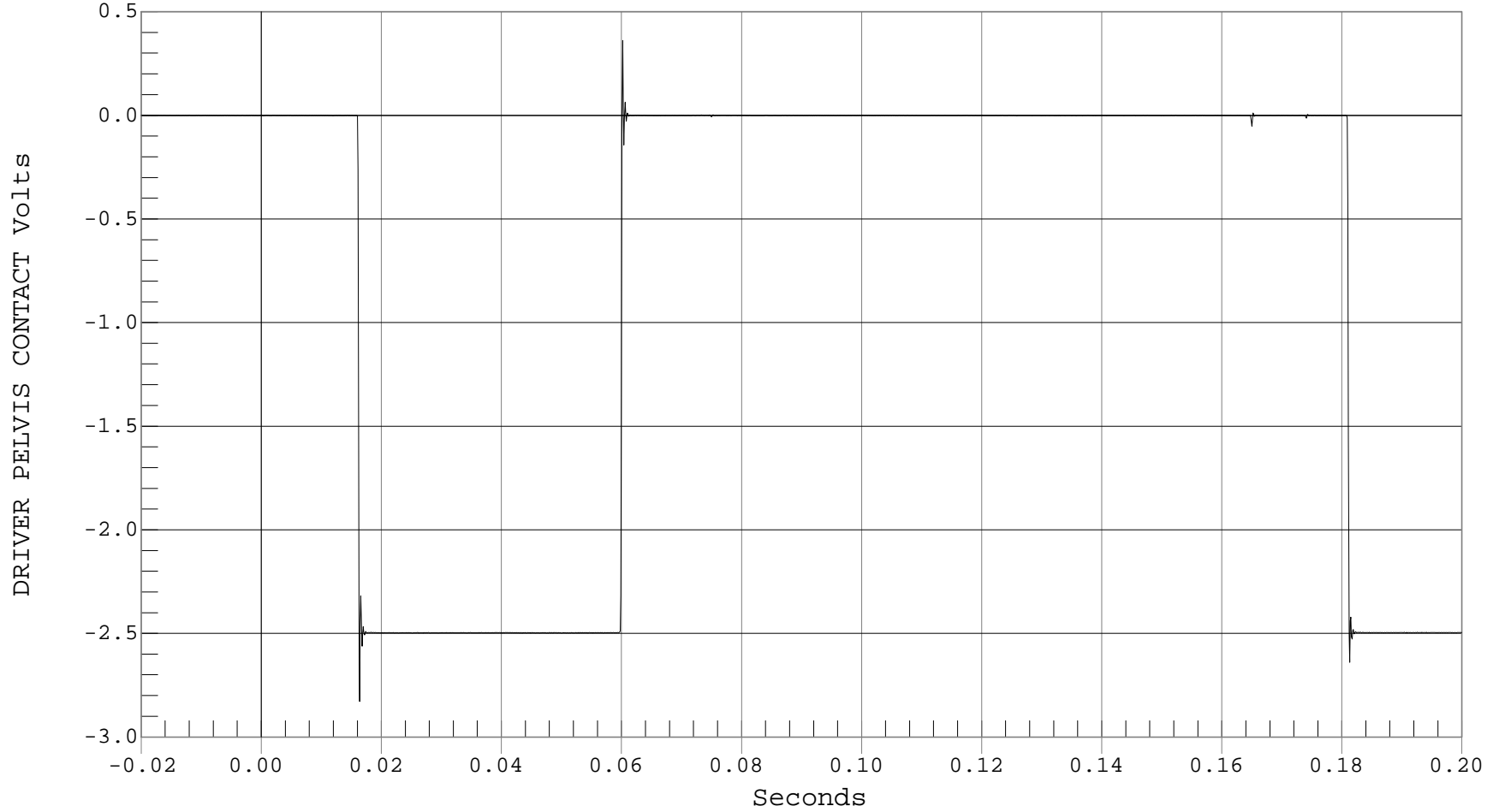
DRIVER PELVIS CONTACT

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER PELVIS CONTACT, B000930T.050

Ymin = -2.83 Volts @ 0.0164 Seconds, Ymax = .36 Volts @ 0.0602 Seconds





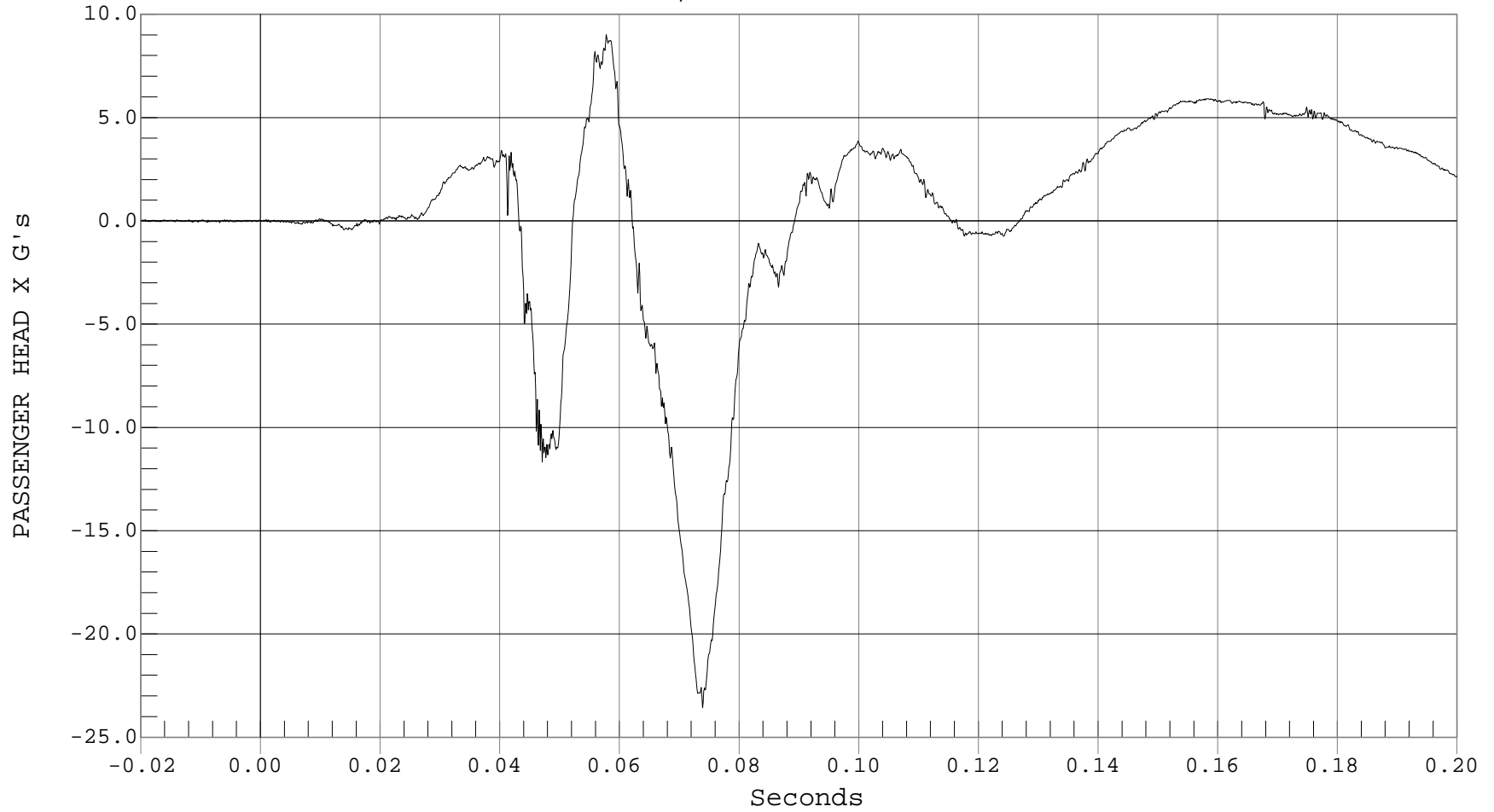
REAR PASSENGER HEAD X ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER HEAD X, B00093AT.A08

Ymin = -23.57 G's @ 0.0739 Seconds, Ymax = 9.02 G's @ 0.0578 Seconds





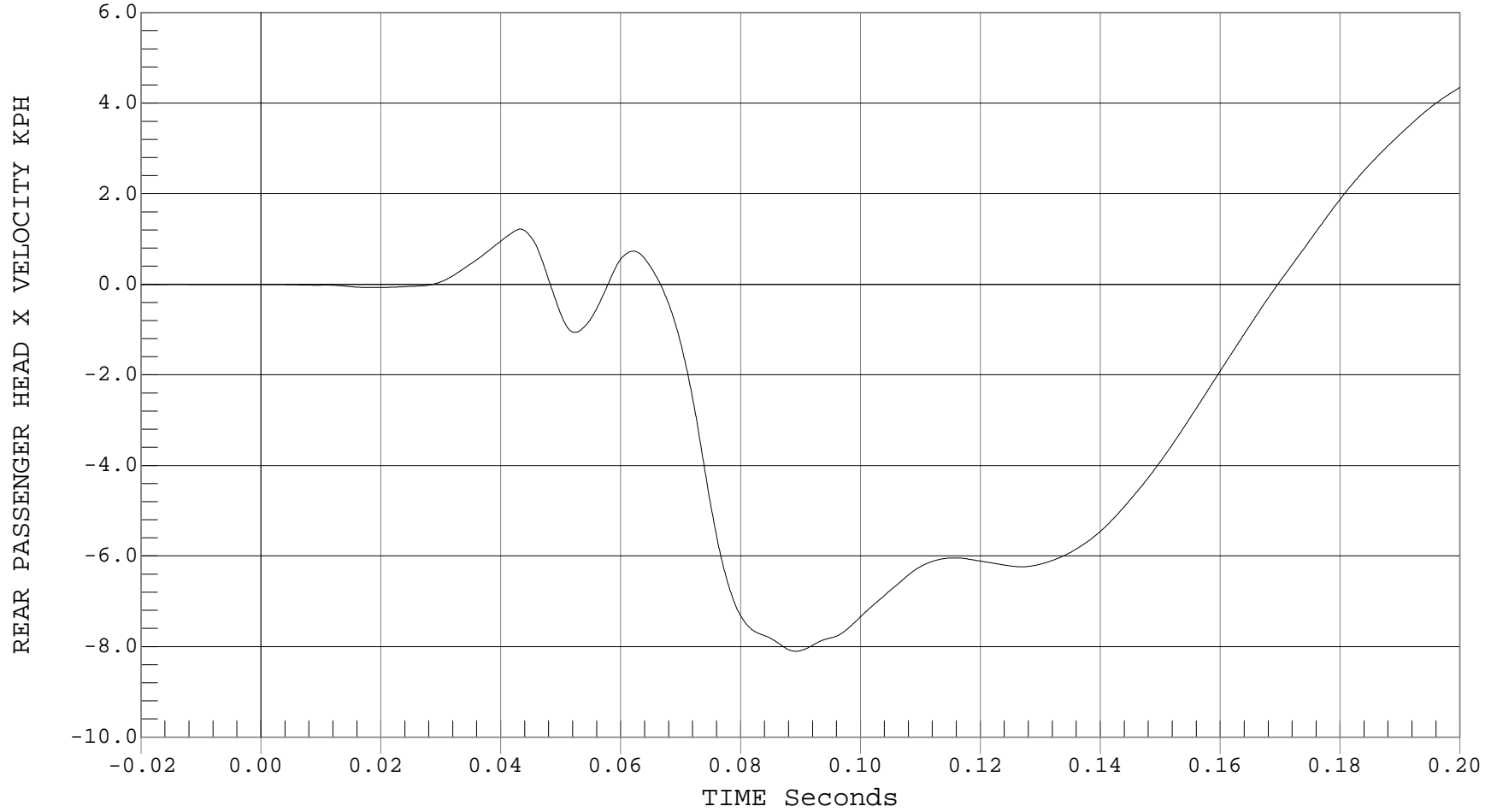
REAR PASSENGER HEAD X VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER HEAD X VELOCITY, B00093AI.V08

Ymin = -8.1 KPH @ 0.0892 Seconds, Ymax = 4.35 KPH @ 0.2001 Seconds





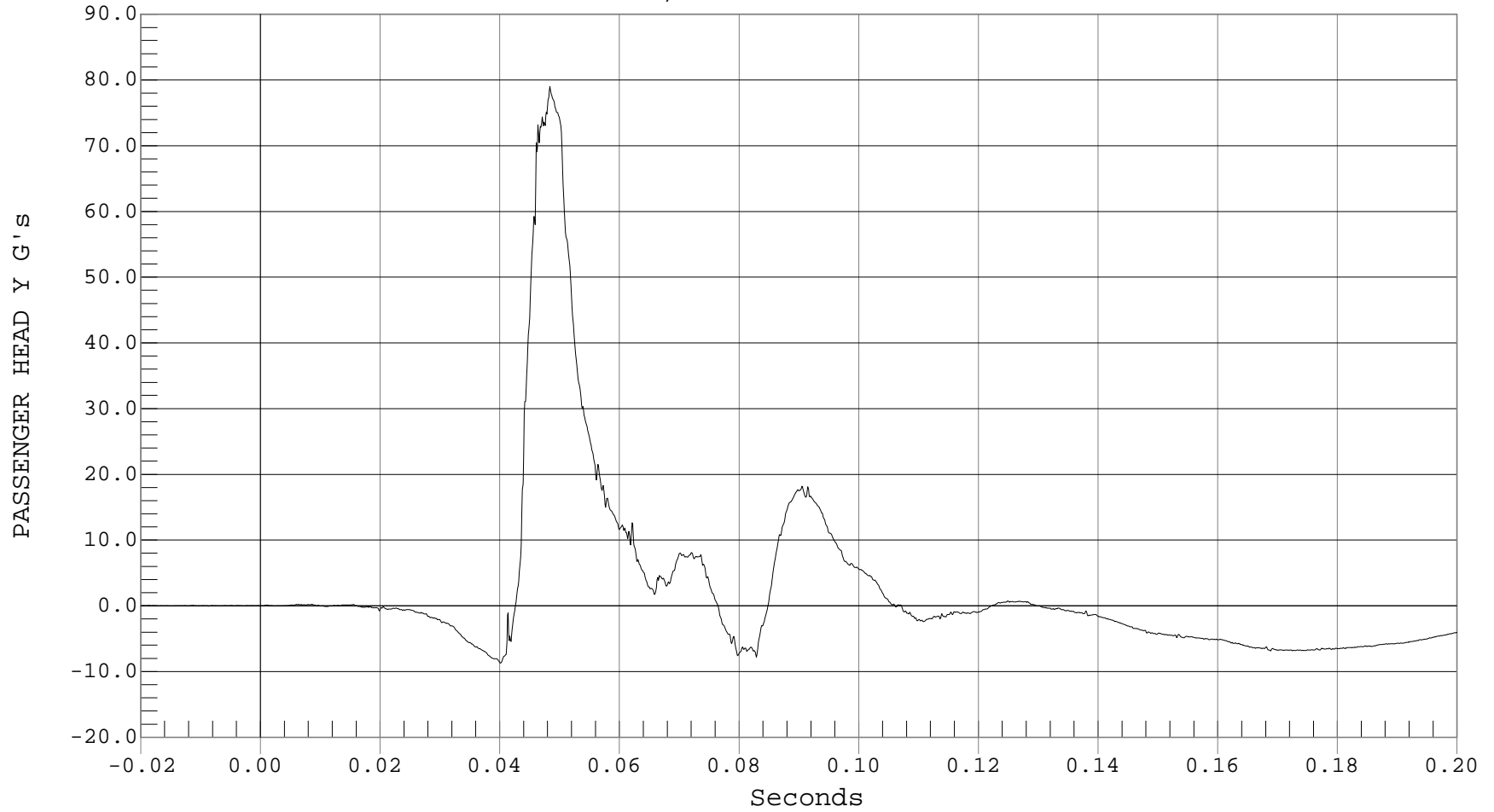
REAR PASSENGER HEAD Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER HEAD Y, B00093AT.A09

Ymin = -8.74 G's @ 0.0401 Seconds, Ymax = 79.01 G's @ 0.0484 Seconds



B-20



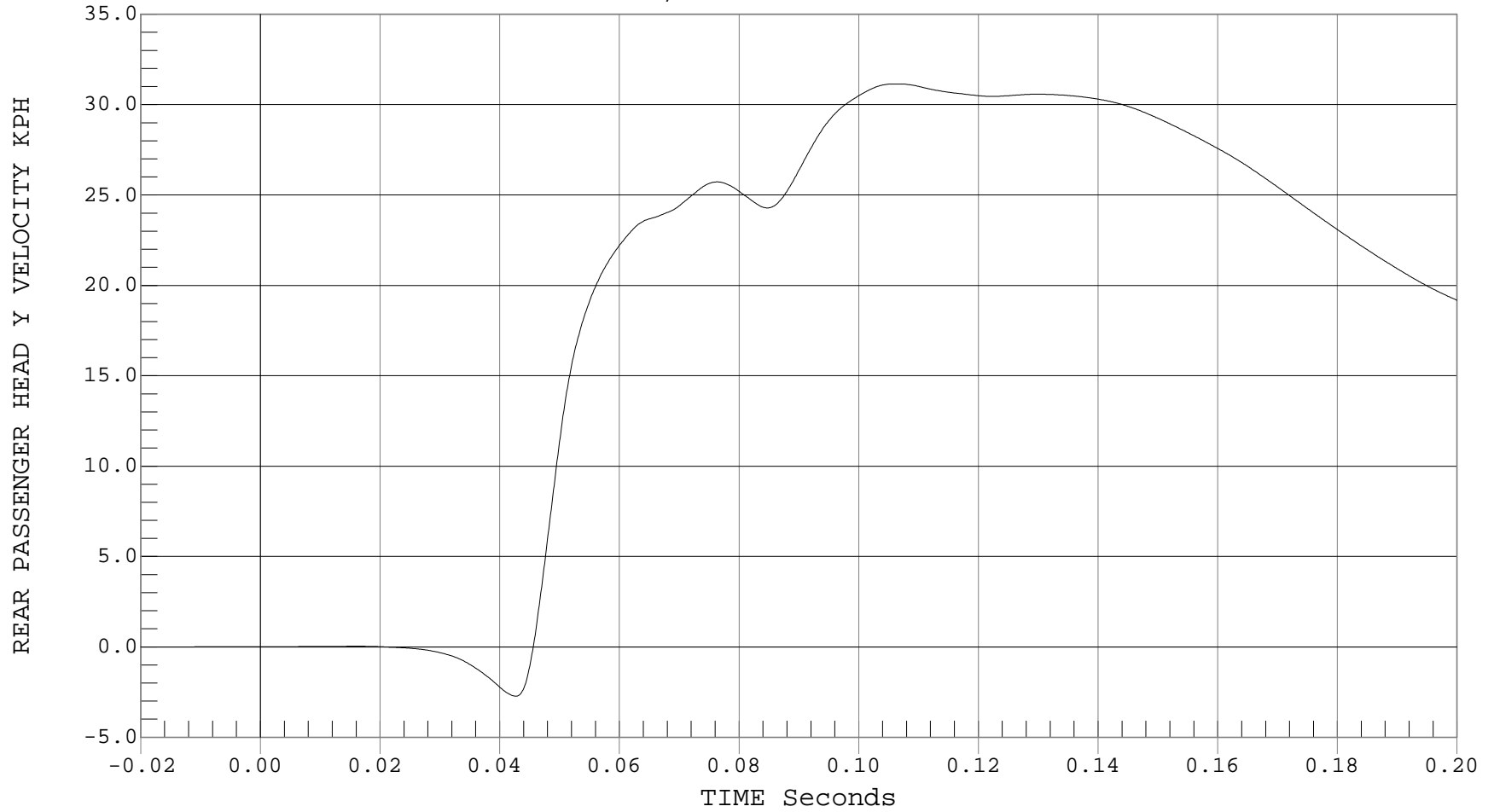
REAR PASSENGER HEAD Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER HEAD Y VELOCITY, B00093AI.V09

Ymin = -2.73 KPH @ 0.0427 Seconds, Ymax = 31.14 KPH @ 0.1065 Seconds





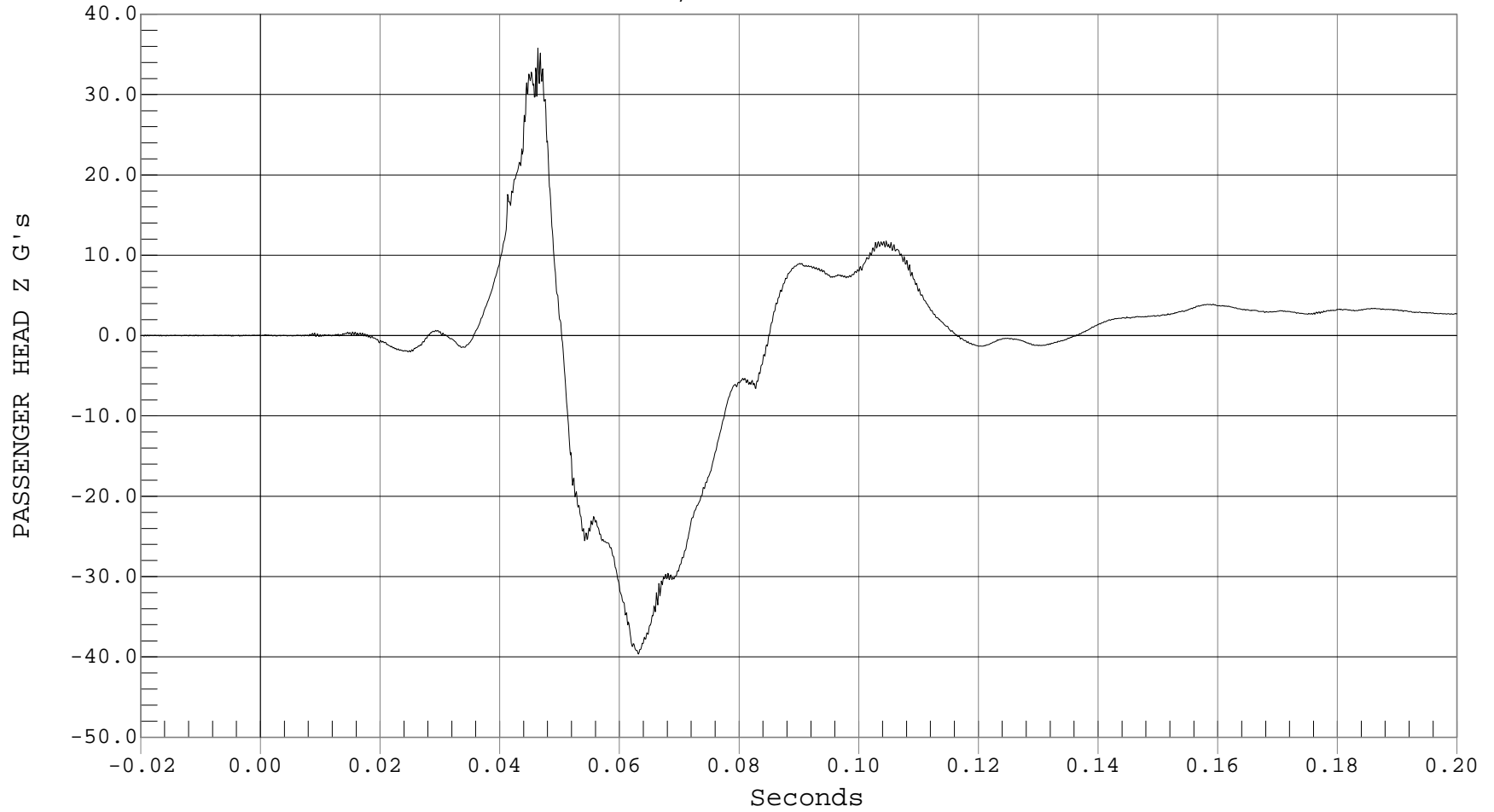
REAR PASSENGER HEAD Z ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER HEAD Z, B00093AT.A10

Ymin = -39.66 G's @ 0.0632 Seconds, Ymax = 35.8 G's @ 0.0464 Seconds





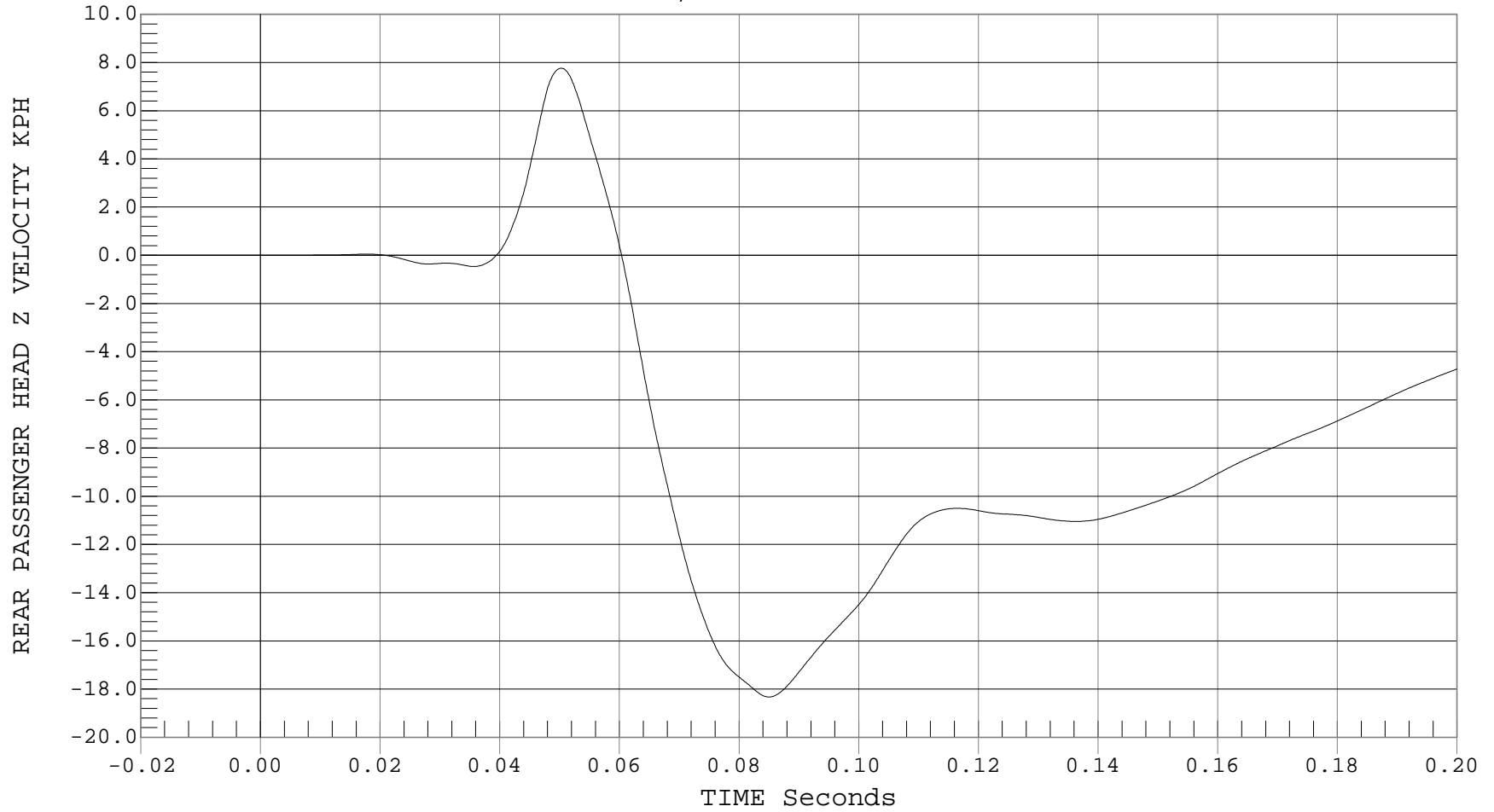
REAR PASSENGER HEAD Z VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER HEAD Z VELOCITY, B00093AI.V10

Ymin = -18.33 KPH @ 0.0850 Seconds, Ymax = 7.76 KPH @ 0.0503 Seconds





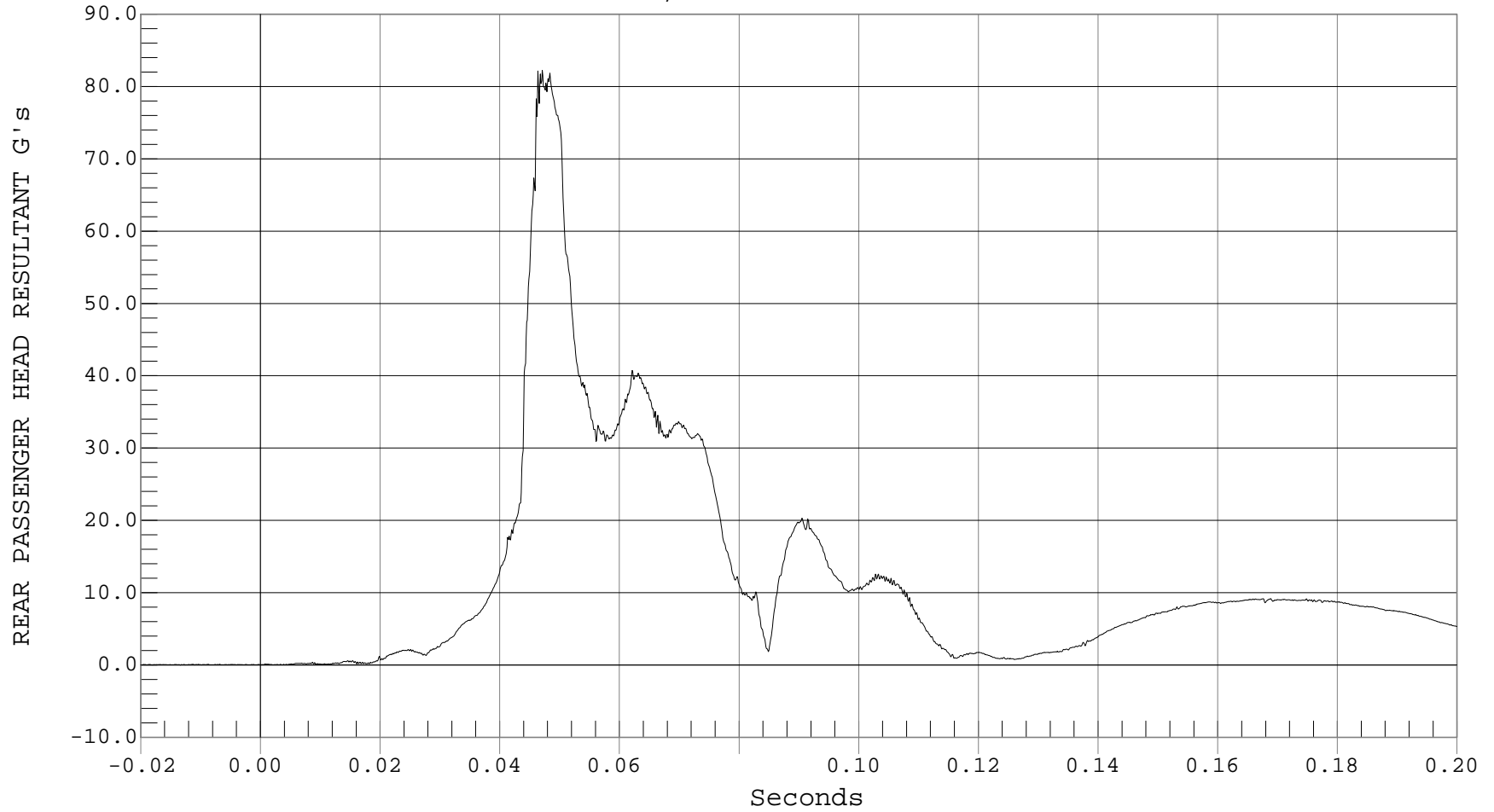
REAR PASSENGER HEAD RESULTANT ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 REAR PASSENGER HEAD RESULTANT, B00093AV.A08

Ymin = .01 G's @ -0.0098 Seconds, Ymax = 82.23 G's @ 0.0471 Seconds





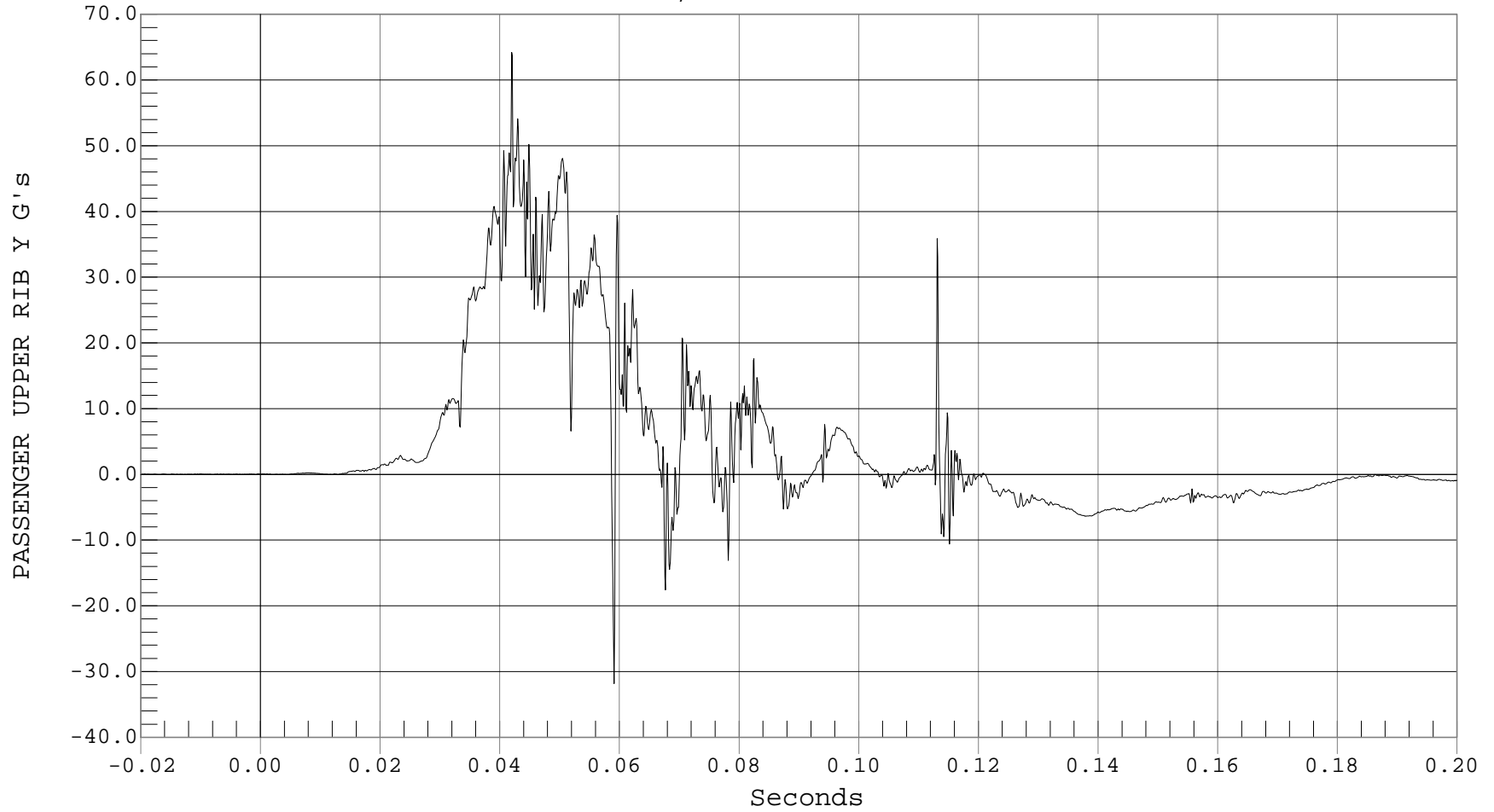
REAR PASSENGER UPPER RIB Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER UPPER RIB Y, B00093AT.A11

Ymin = -31.85 G's @ 0.0591 Seconds, Ymax = 64.18 G's @ 0.0420 Seconds





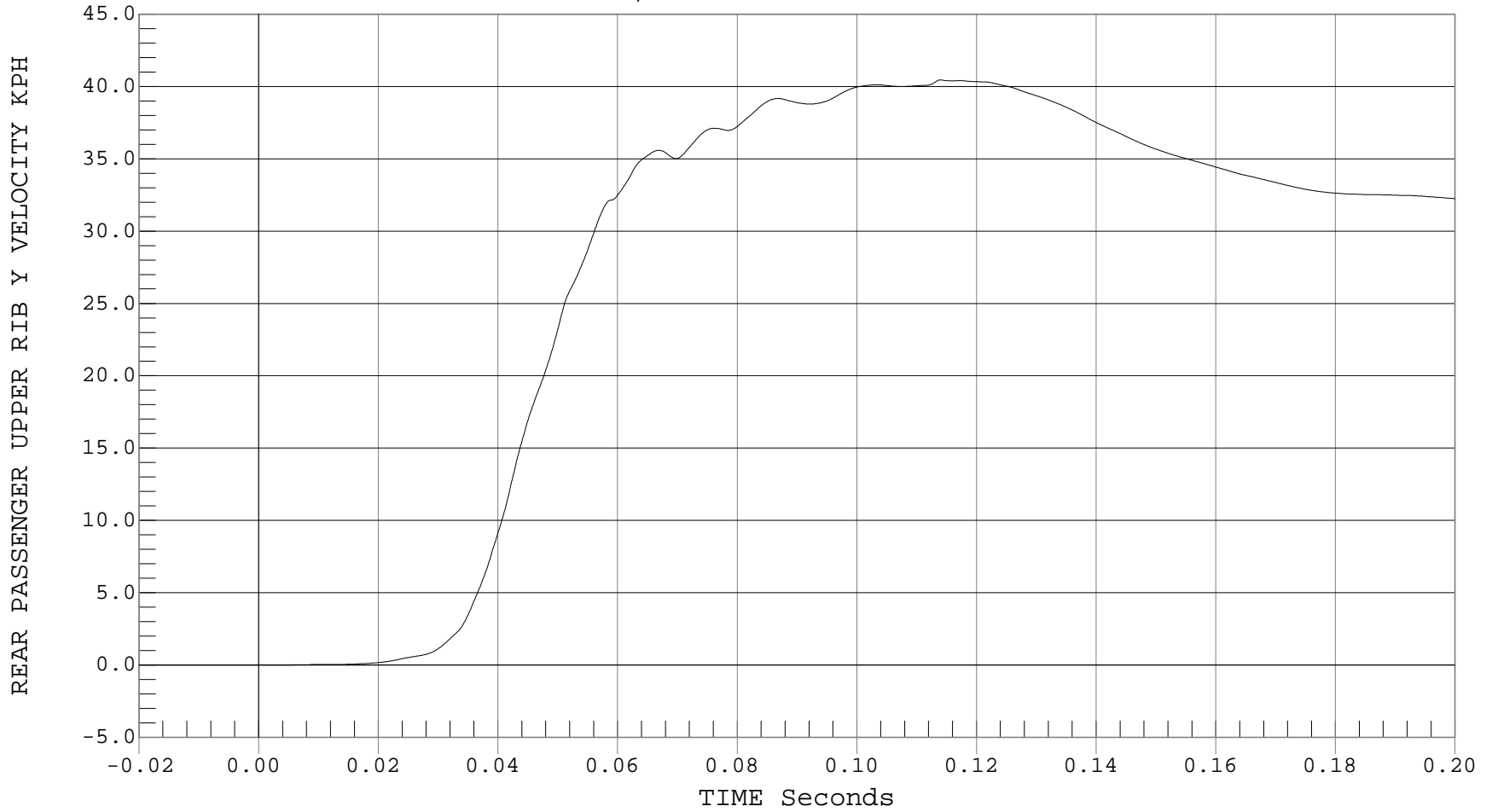
REAR PASSENGER UPPER RIB Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER UPPER RIB Y VELOCITY, B00093AI.V11

Ymin = 0 KPH @ -0.0198 Seconds, Ymax = 40.45 KPH @ 0.1139 Seconds





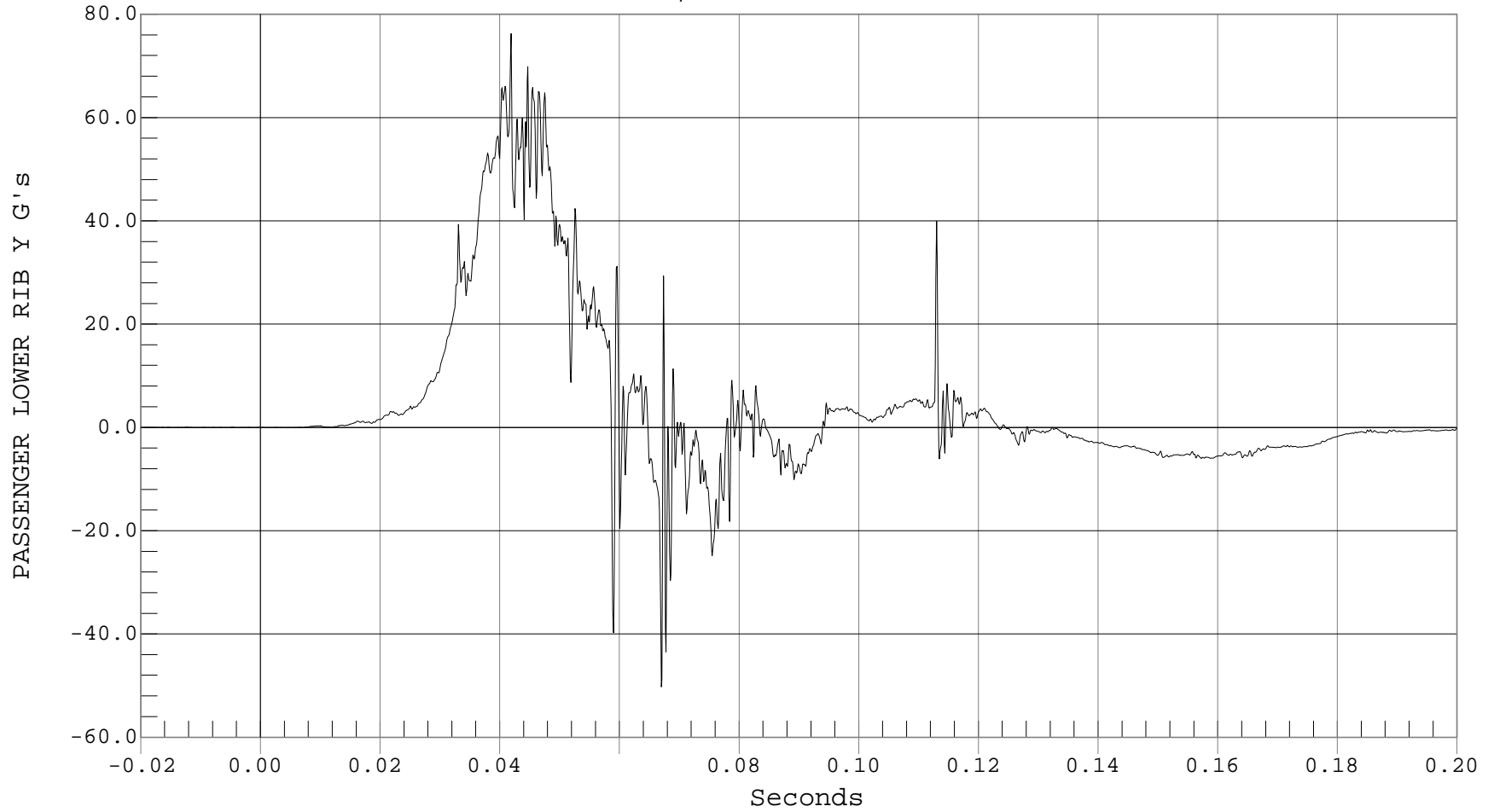
REAR PASSENGER LOWER RIB Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER LOWER RIB Y, B00093AT.A12

Ymin = -50.27 G's @ 0.0670 Seconds, Ymax = 76.24 G's @ 0.0419 Seconds





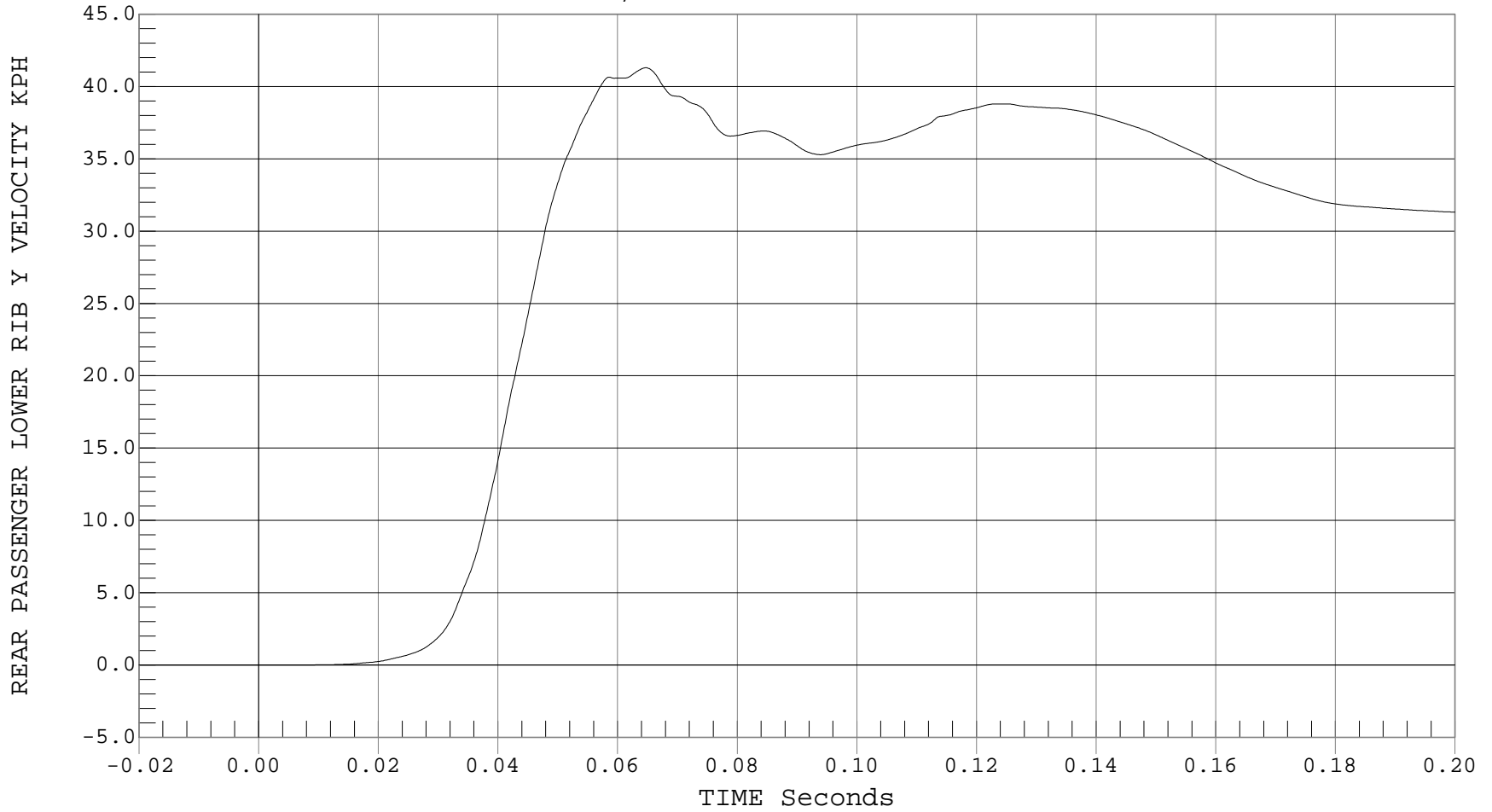
REAR PASSENGER LOWER RIB Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER LOWER RIB Y VELOCITY, B00093AI.V12

Ymin = 0 KPH @ 0.0066 Seconds, Ymax = 41.3 KPH @ 0.0647 Seconds





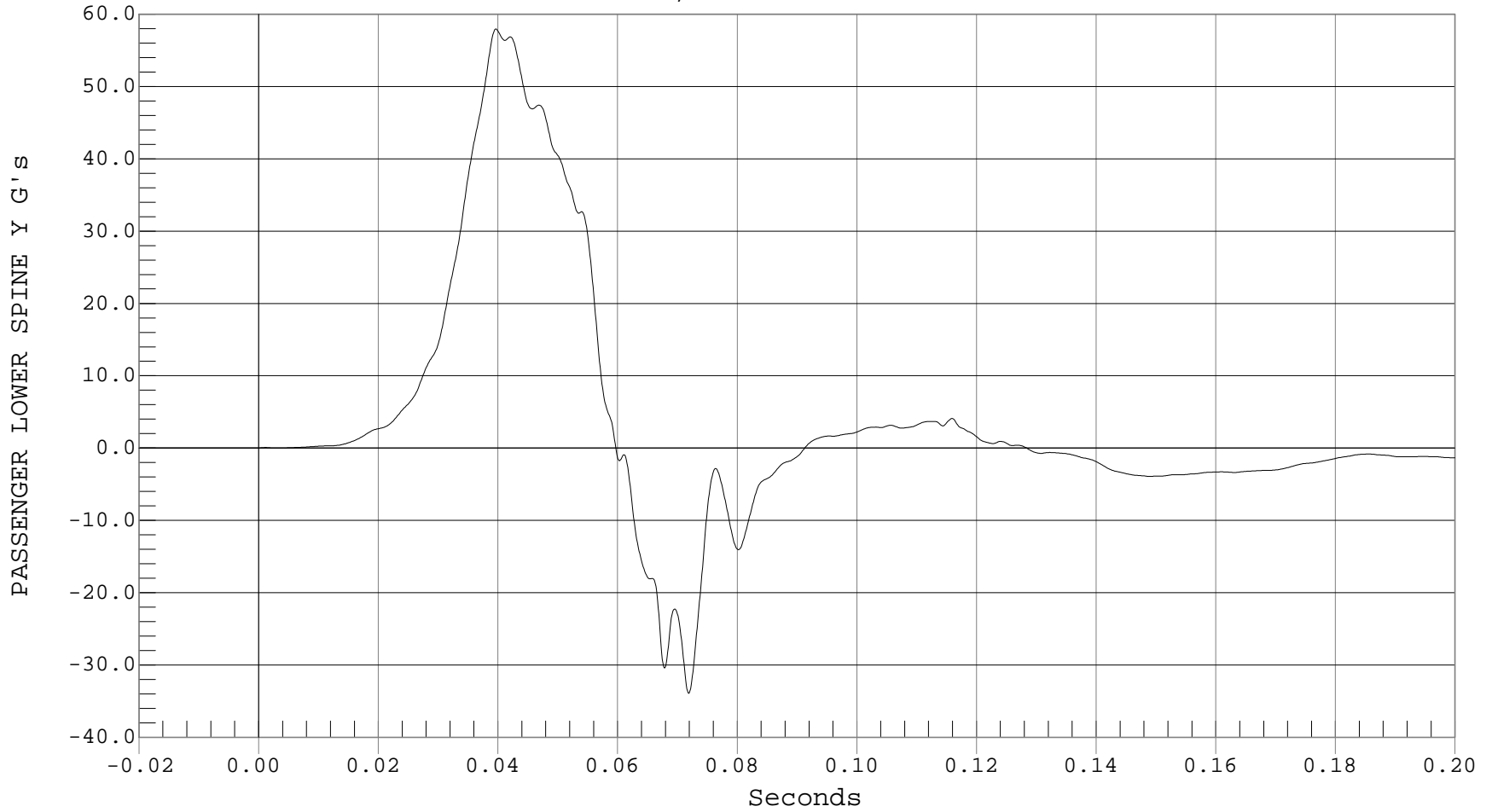
REAR PASSENGER LOWER SPINE Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 PASSENGER LOWER SPINE Y, B00093AF.A13

Ymin = -33.93 G's @ 0.0719 Seconds, Ymax = 57.95 G's @ 0.0396 Seconds





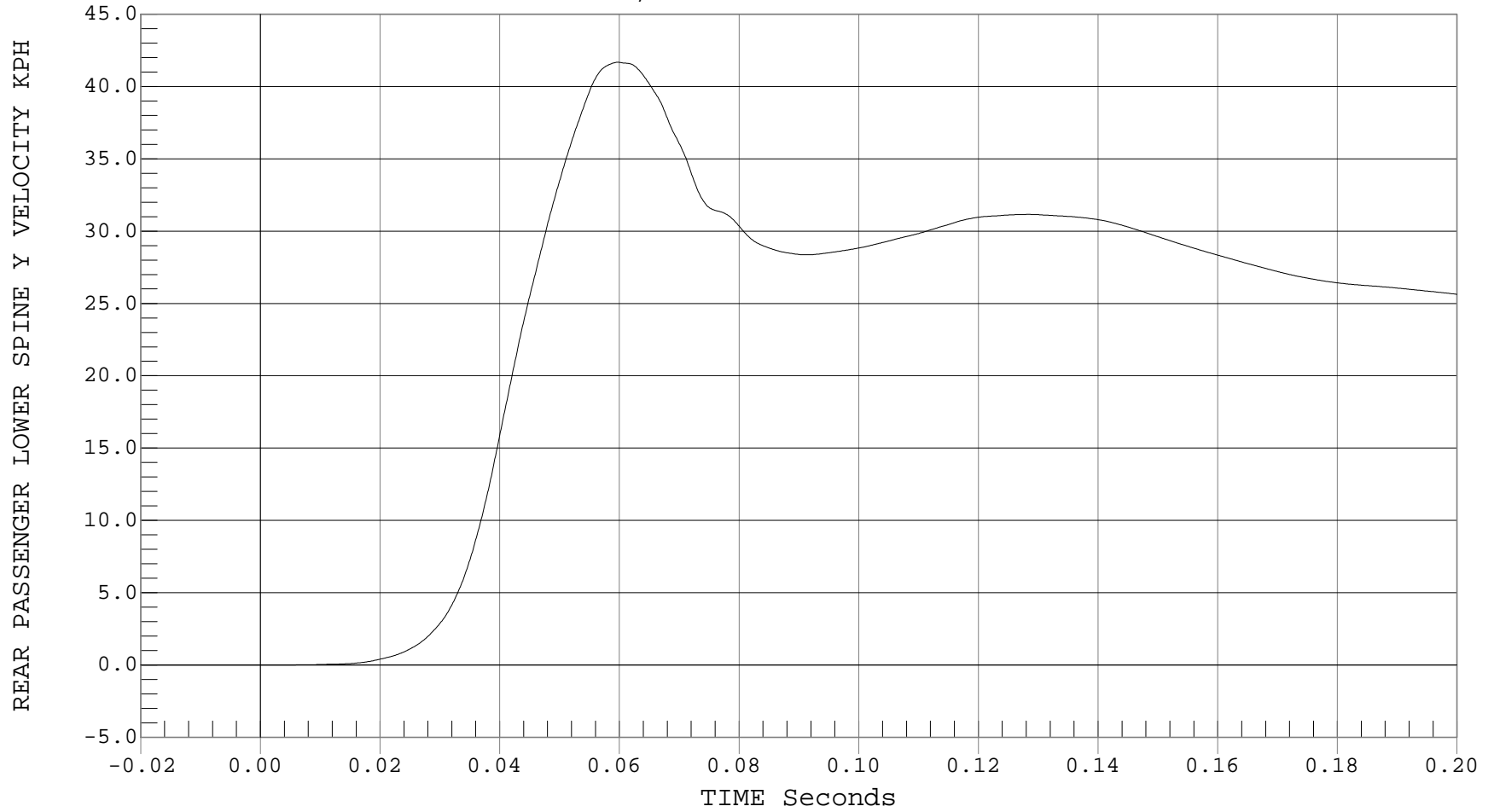
REAR PASSENGER LOWER SPINE Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER LOWER SPINE Y VELOCITY, B00093AI.V13

Ymin = 0 KPH @ -0.0152 Seconds, Ymax = 41.68 KPH @ 0.0597 Seconds





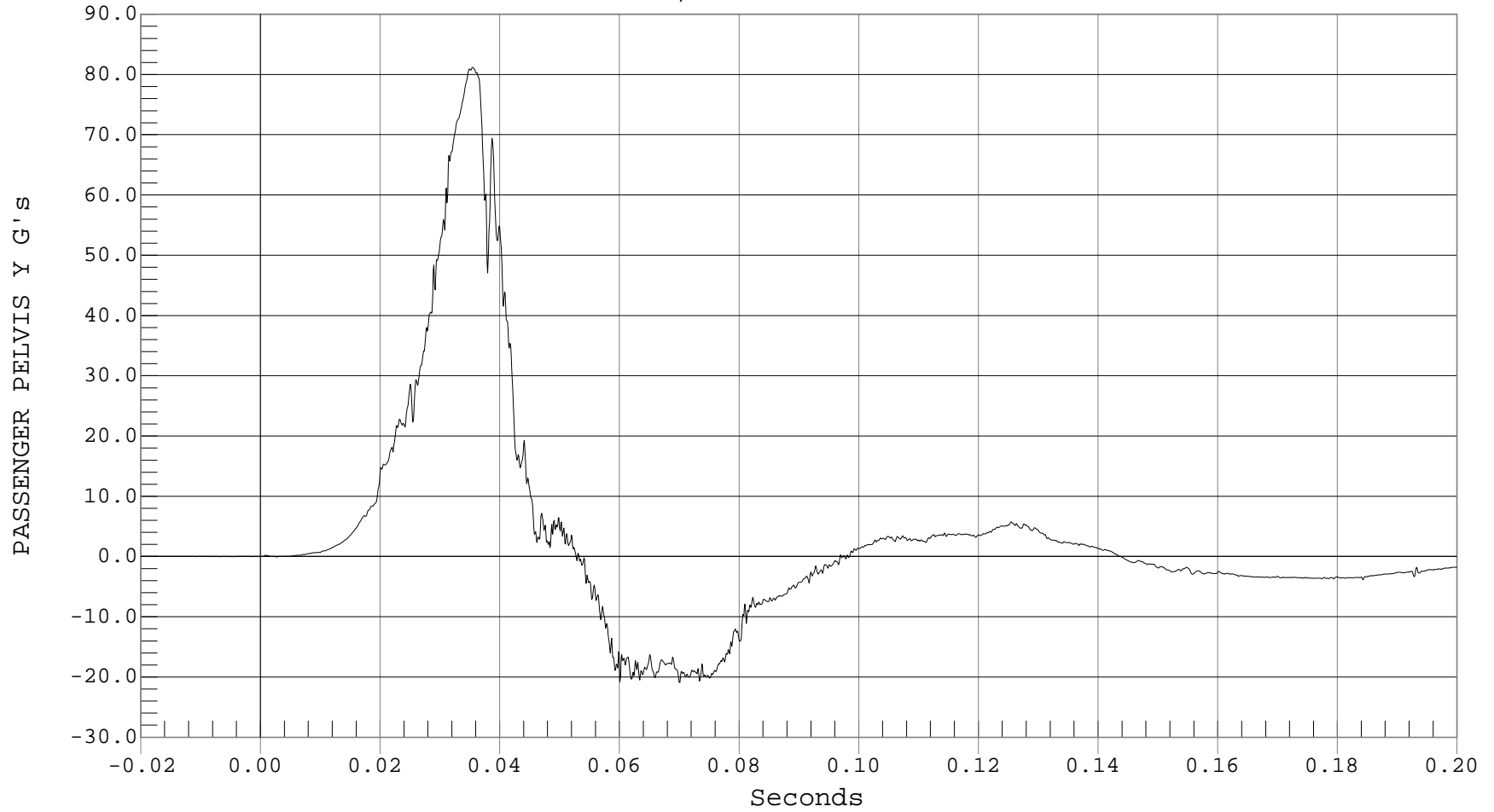
REAR PASSENGER PELVIS Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER PELVIS Y, B00093AT.A14

Ymin = -20.92 G's @ 0.0701 Seconds, Ymax = 81.16 G's @ 0.0354 Seconds





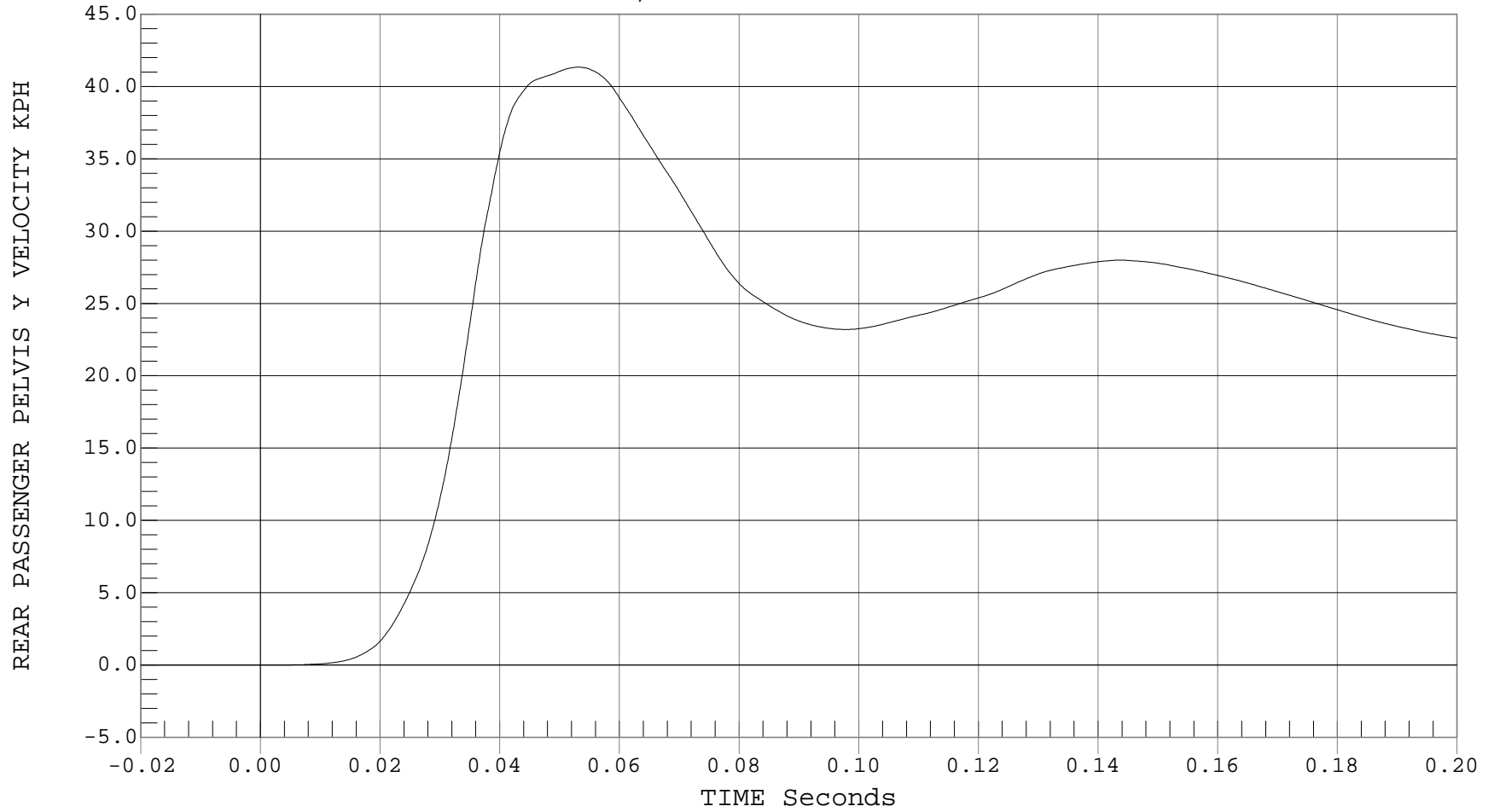
REAR PASSENGER PELVIS Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER PELVIS Y VELOCITY, B00093AI.V14

Ymin = 0 KPH @ -0.0193 Seconds, Ymax = 41.34 KPH @ 0.0531 Seconds





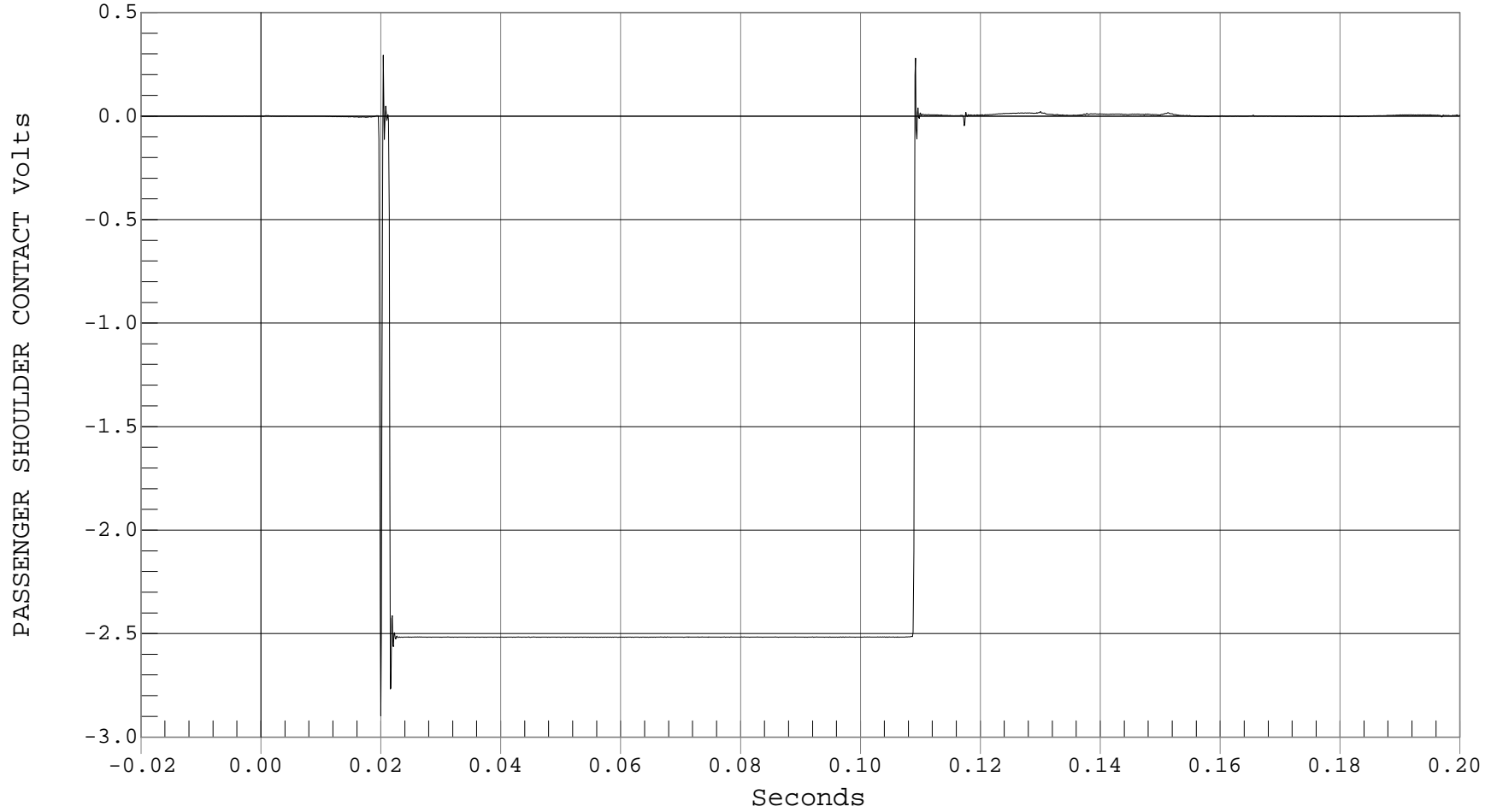
REAR PASSENGER SHOULDER CONTACT

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER SHOULDER CONTACT, B000930T.051

Ymin = -2.9 Volts @ 0.0200 Seconds, Ymax = .29 Volts @ 0.0204 Seconds





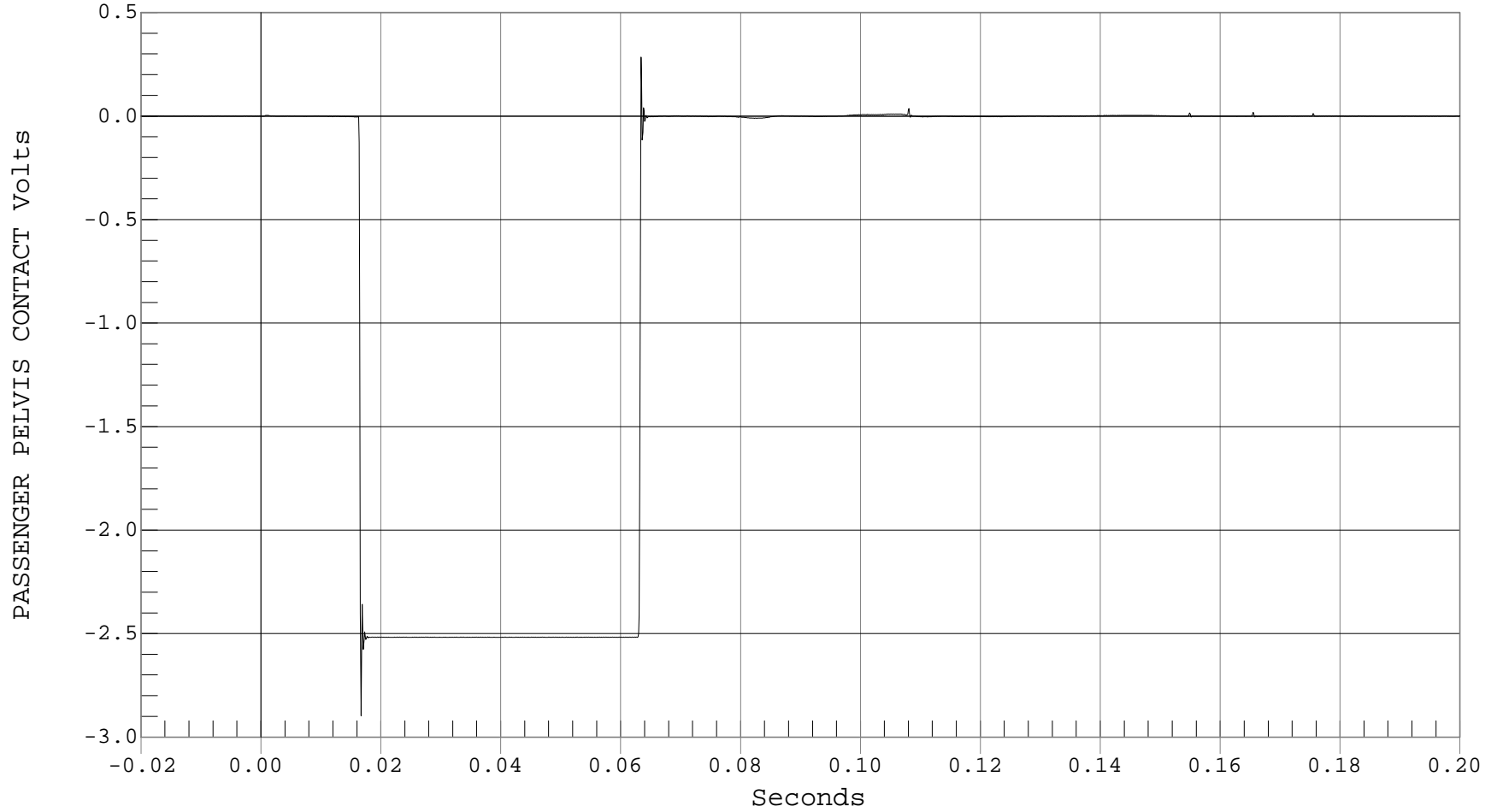
REAR PASSENGER PELVIS CONTACT

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER PELVIS CONTACT, B000930T.052

Ymin = -2.9 Volts @ 0.0167 Seconds, Ymax = .29 Volts @ 0.0634 Seconds





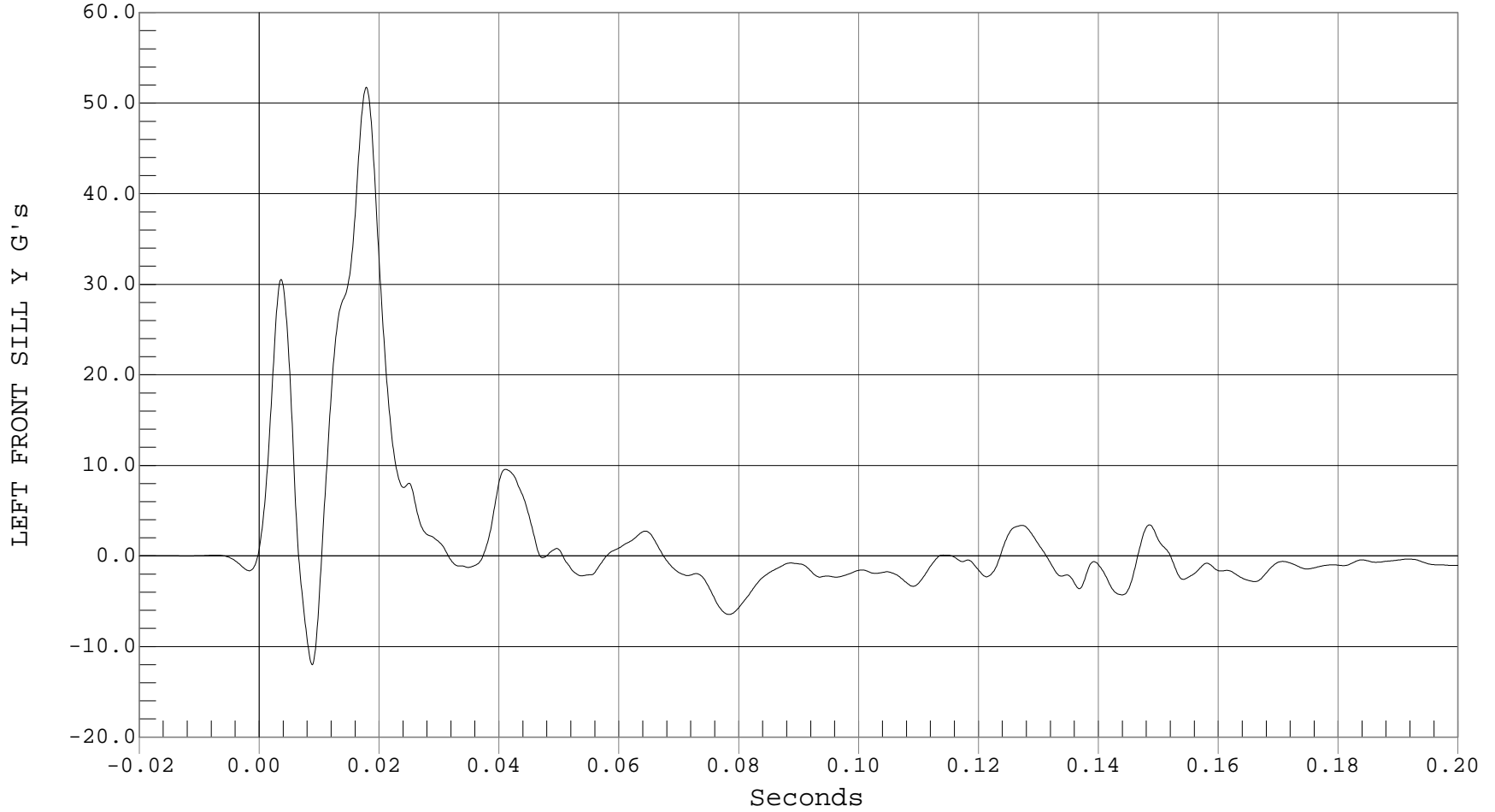
LEFT SIDE SILL AT FRONT SEAT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 LEFT FRONT SILL Y, B00093AF.A21

Ymin = -11.99 G's @ 0.0089 Seconds, Ymax = 51.77 G's @ 0.0179 Seconds





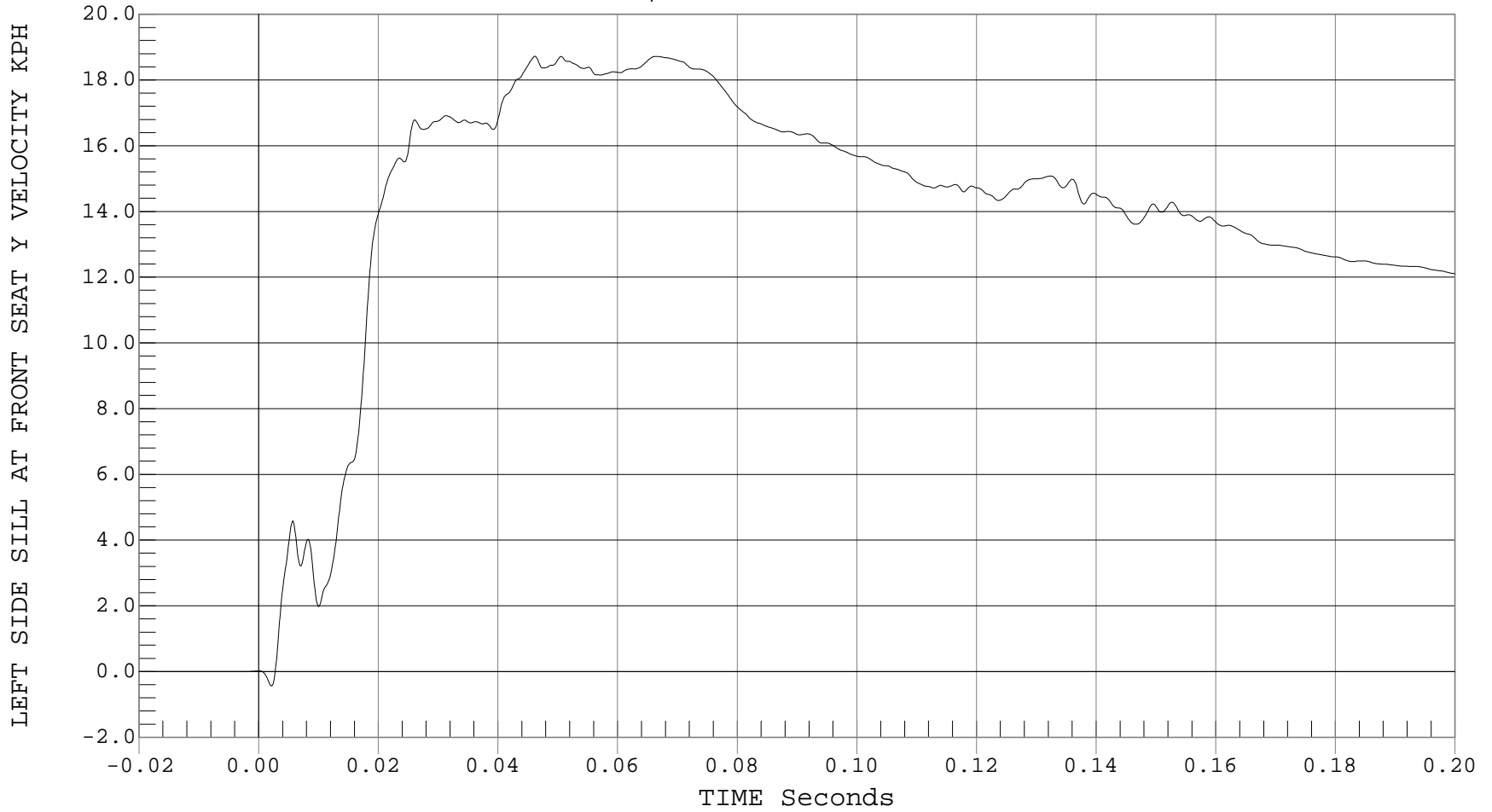
LEFT SIDE SILL AT FRONT SEAT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT SIDE SILL AT FRONT SEAT Y VELOCITY, B00093AI.V21

Ymin = -.44 KPH @ 0.0022 Seconds, Ymax = 18.72 KPH @ 0.0462 Seconds





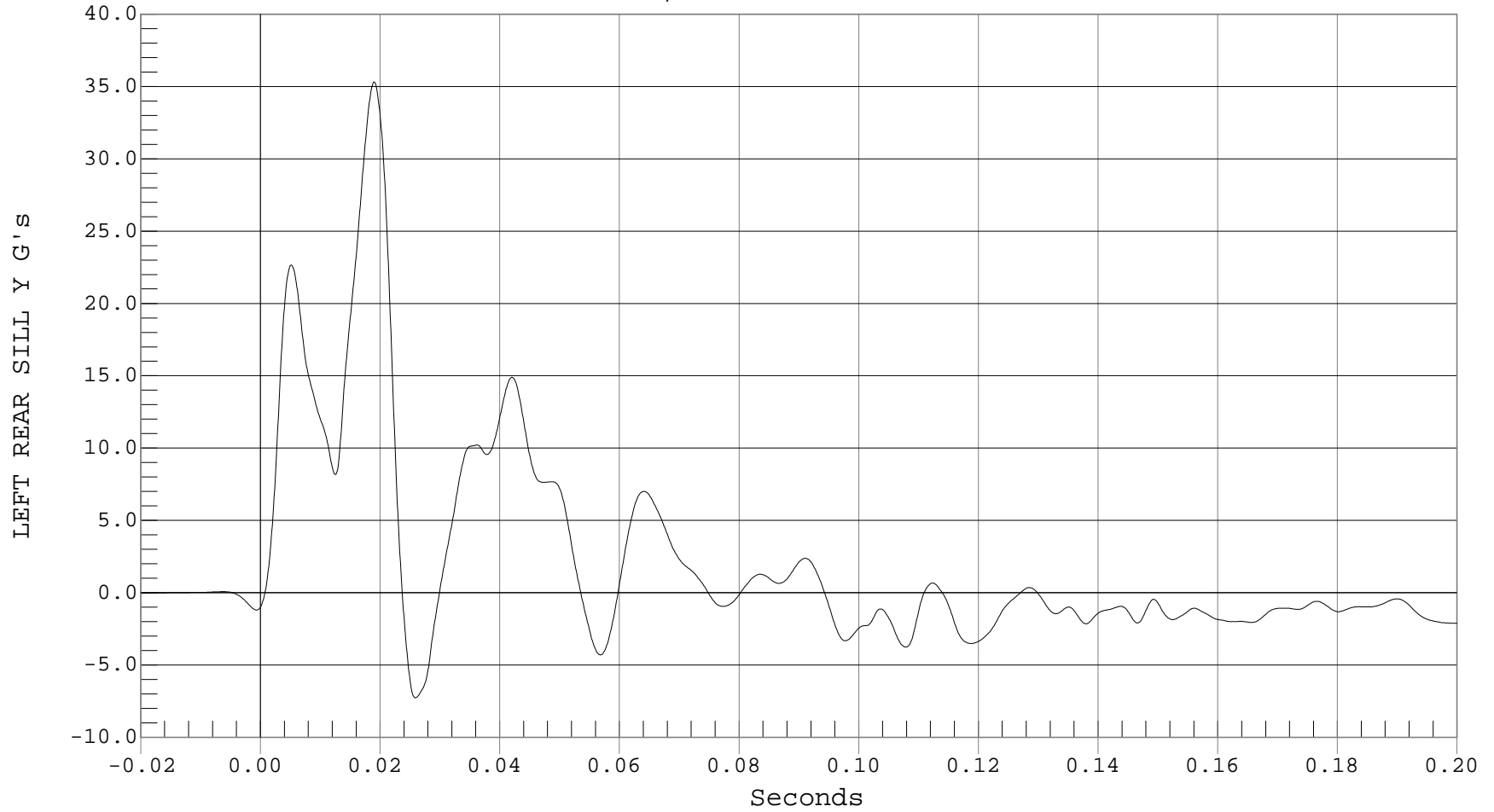
LEFT SIDE SILL AT REAR SEAT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 LEFT REAR SILL Y, B00093AF.A22

Ymin = -7.27 G's @ 0.0259 Seconds, Ymax = 35.32 G's @ 0.0190 Seconds





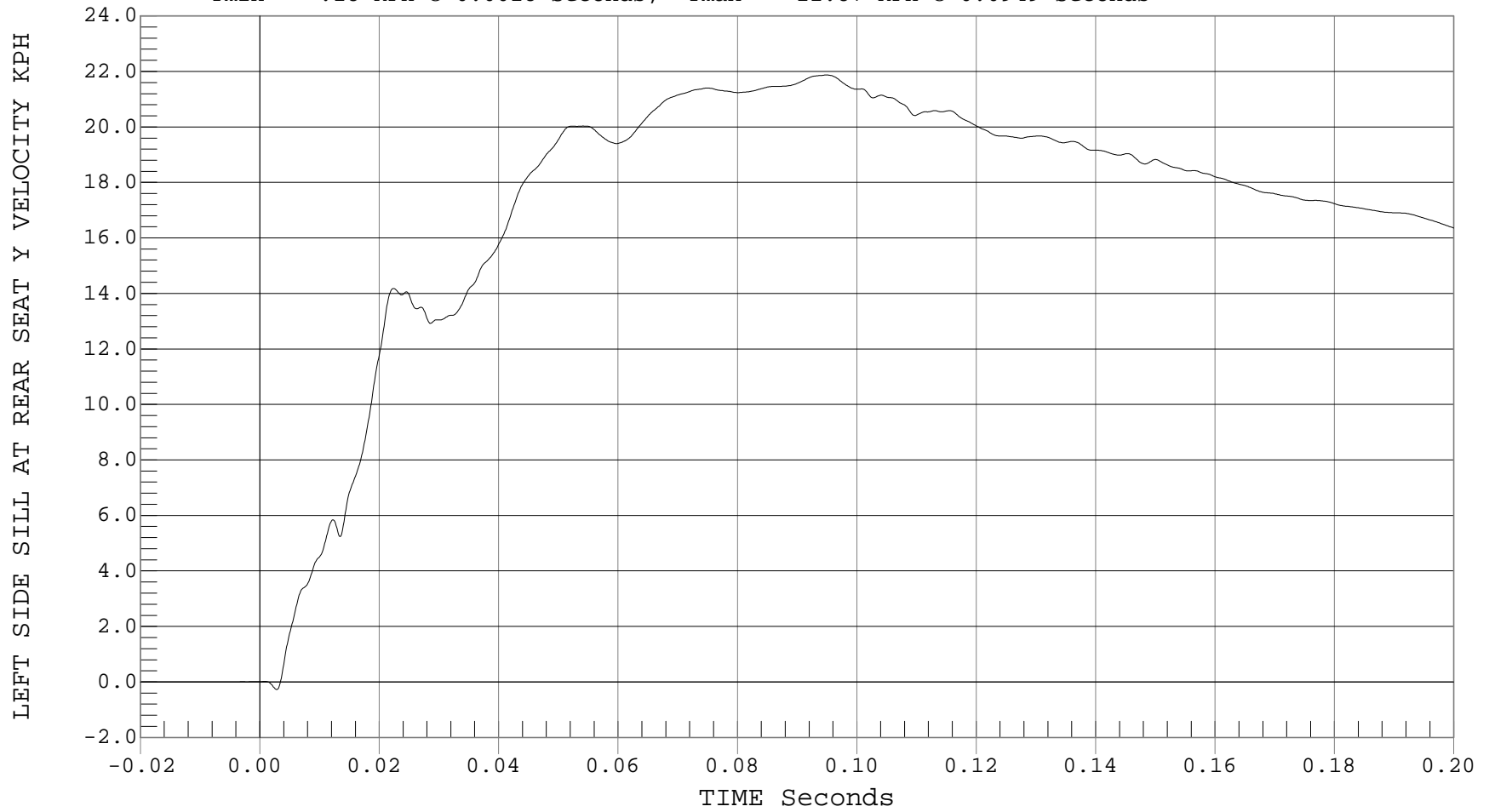
LEFT SIDE SILL AT REAR SEAT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT SIDE SILL AT REAR SEAT Y VELOCITY, B00093AI.V22

Ymin = -.28 KPH @ 0.0028 Seconds, Ymax = 21.87 KPH @ 0.0949 Seconds





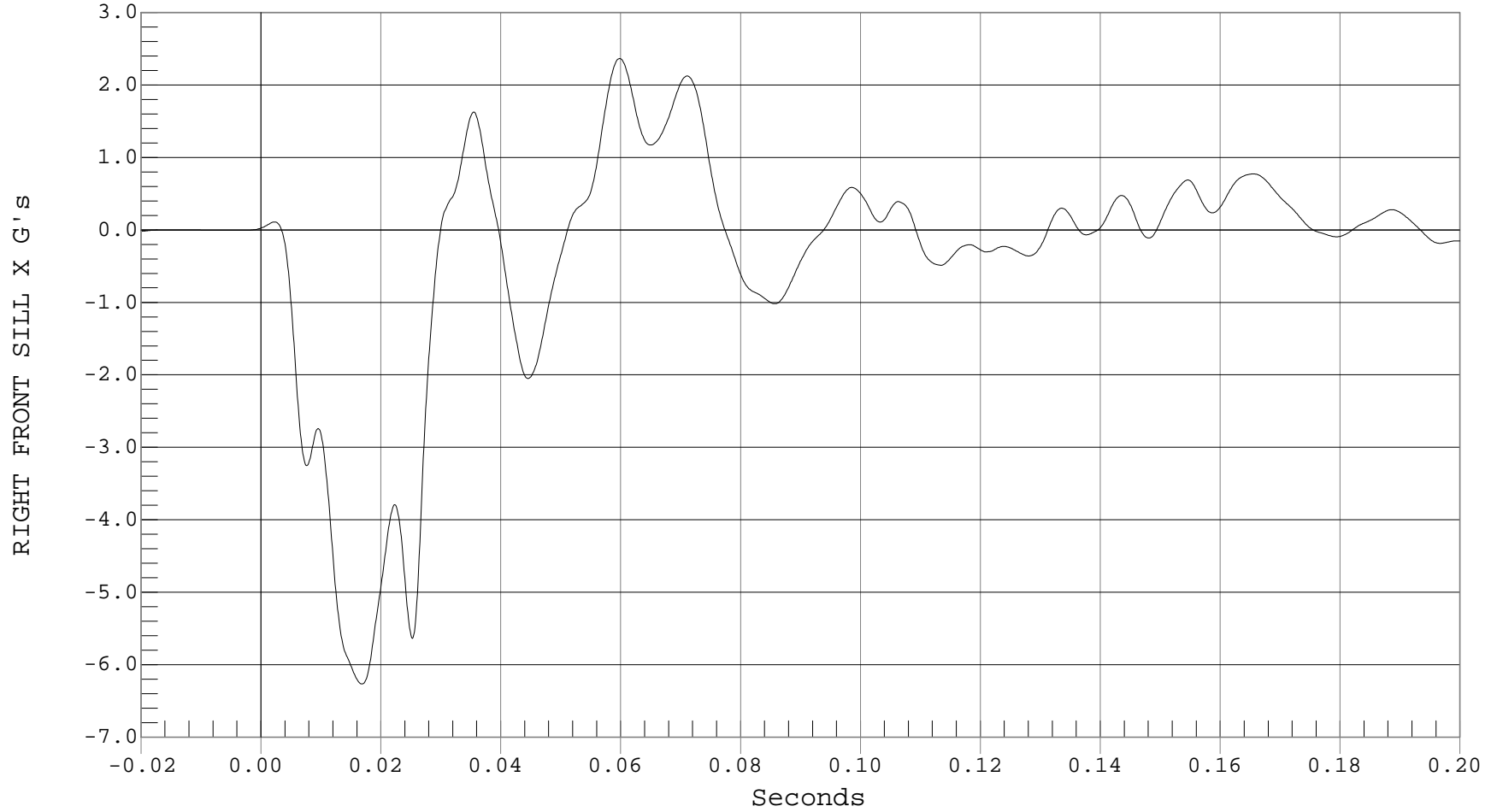
RIGHT SIDE SILL AT FRONT SEAT X ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 RIGHT FRONT SILL X, B00093AF.A15

Ymin = -6.27 G's @ 0.0169 Seconds, Ymax = 2.37 G's @ 0.0598 Seconds





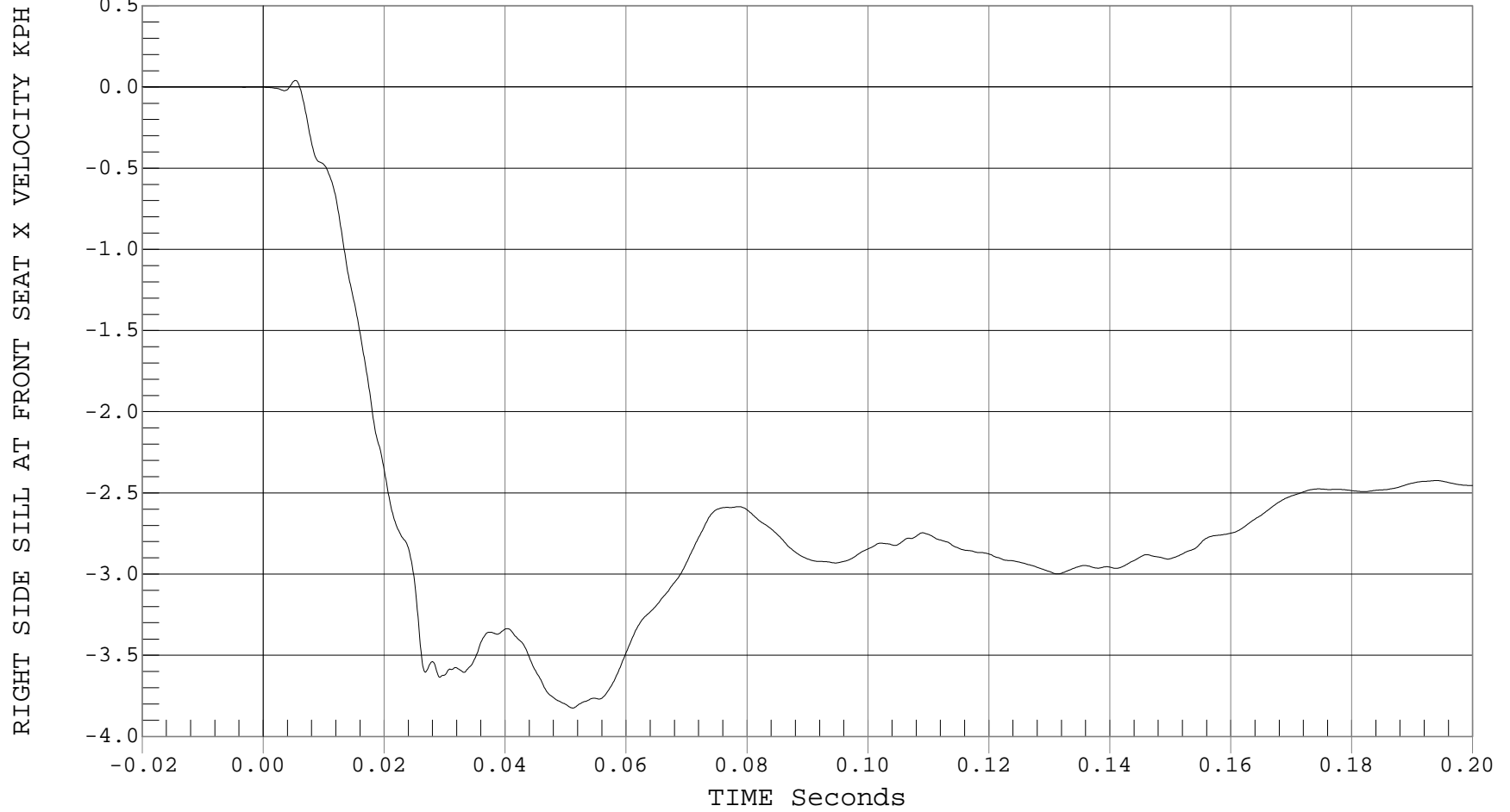
RIGHT SIDE SILL AT FRONT SEAT X VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 RIGHT SIDE SILL AT FRONT SEAT X VELOCITY, B00093AI.V15

Ymin = -3.82 KPH @ 0.0512 Seconds, Ymax = .04 KPH @ 0.0053 Seconds





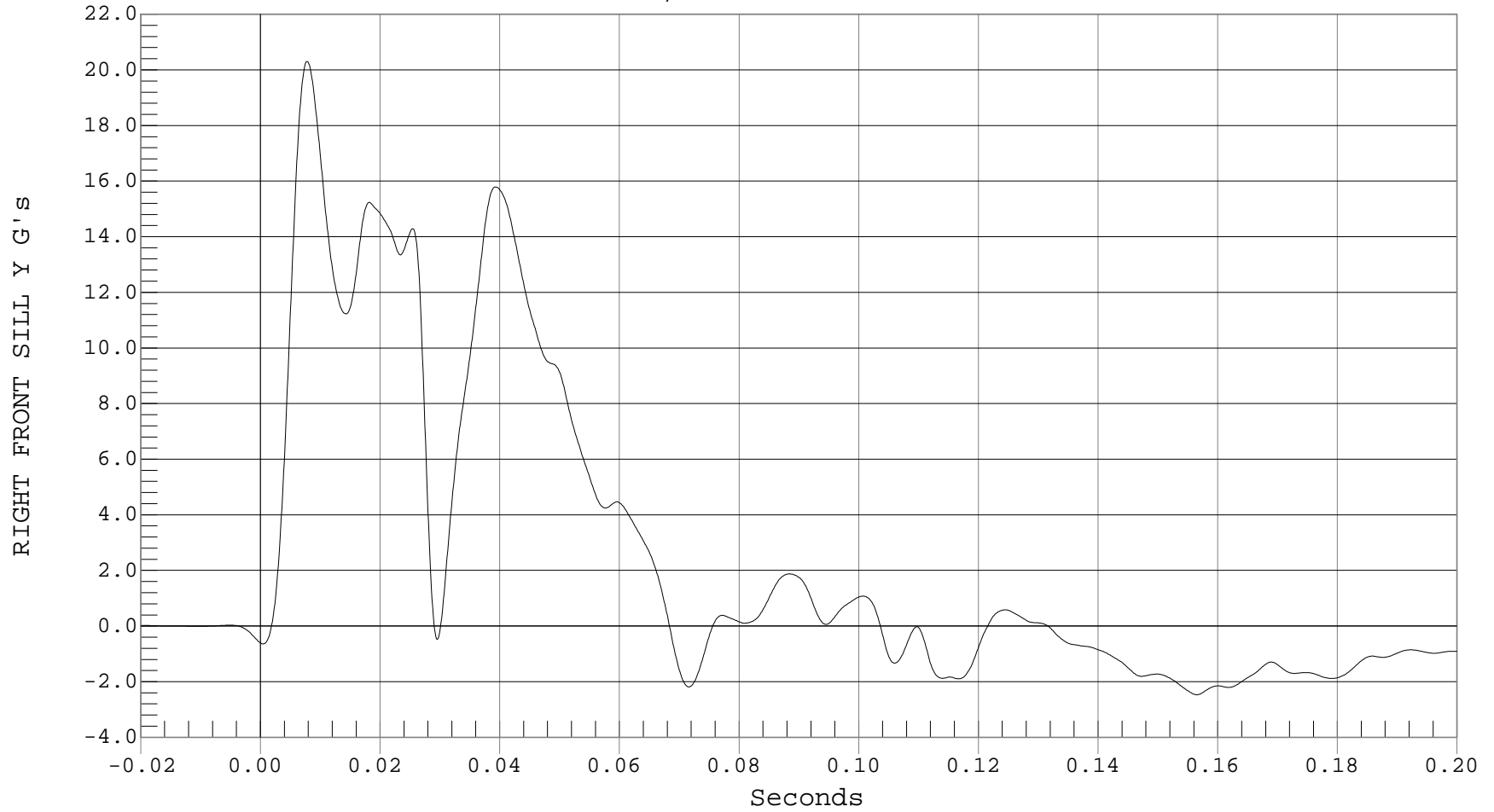
RIGHT SIDE SILL AT FRONT SEAT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 RIGHT FRONT SILL Y, B00093AF.A16

Ymin = -2.47 G's @ 0.1565 Seconds, Ymax = 20.31 G's @ 0.0078 Seconds



B-41



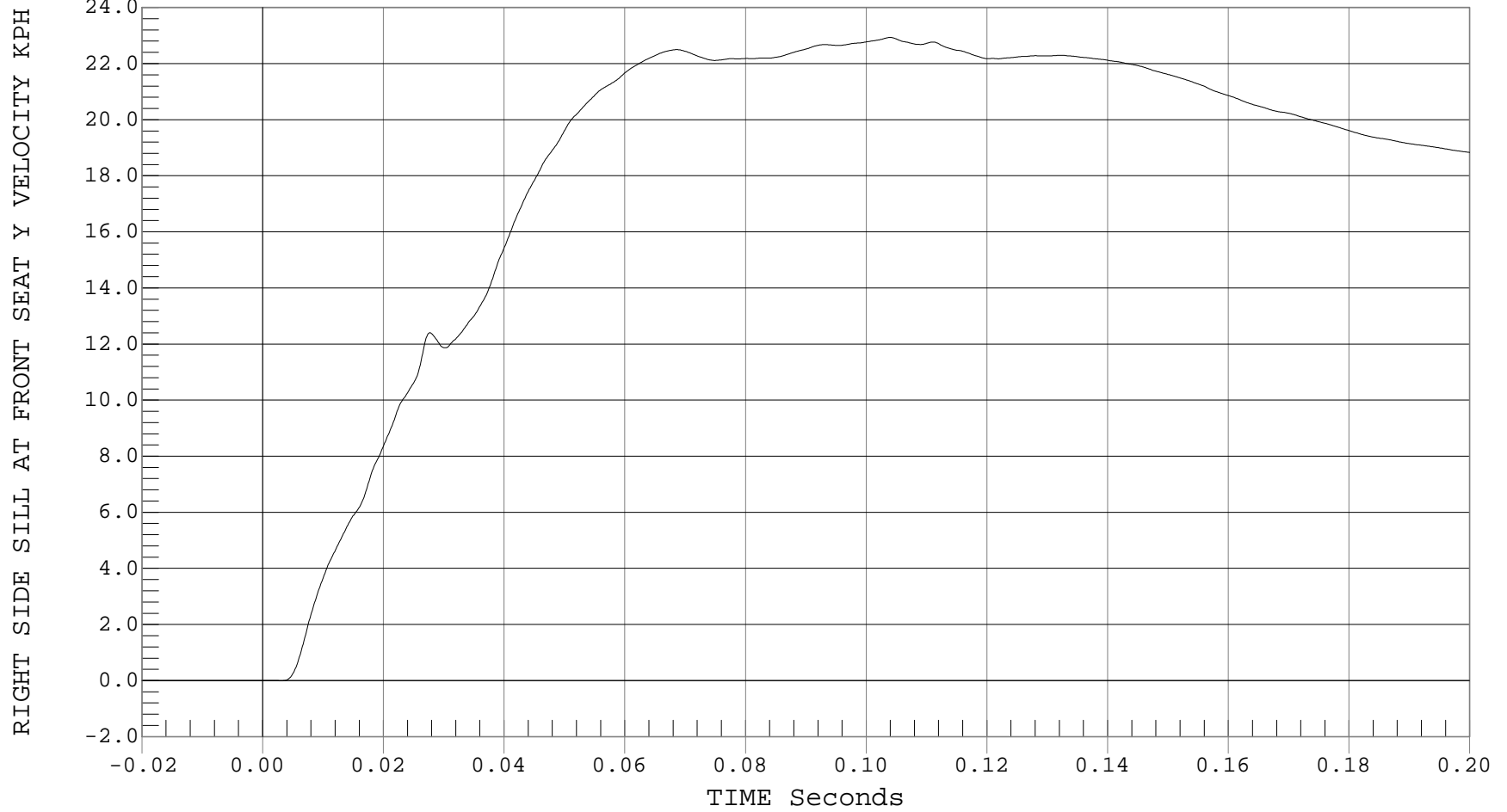
RIGHT SIDE SILL AT FRONT SEAT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 RIGHT SIDE SILL AT FRONT SEAT Y VELOCITY, B00093AI.V16

Ymin = -.01 KPH @ 0.0032 Seconds, Ymax = 22.93 KPH @ 0.1040 Seconds





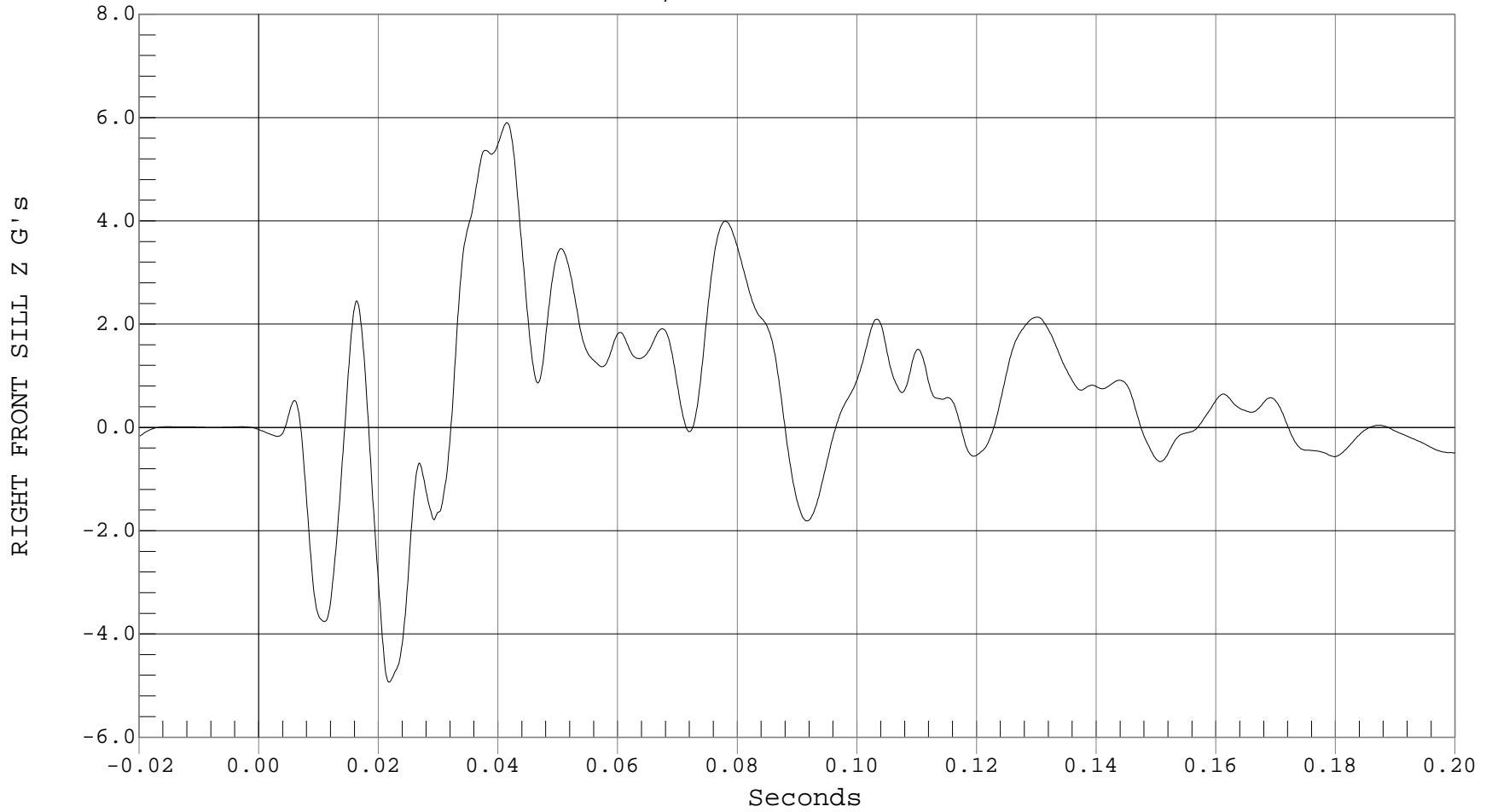
RIGHT SIDE SILL AT FRONT SEAT Z ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 RIGHT FRONT SILL Z, B00093AF.A17

Ymin = -4.93 G's @ 0.0218 Seconds, Ymax = 5.9 G's @ 0.0415 Seconds





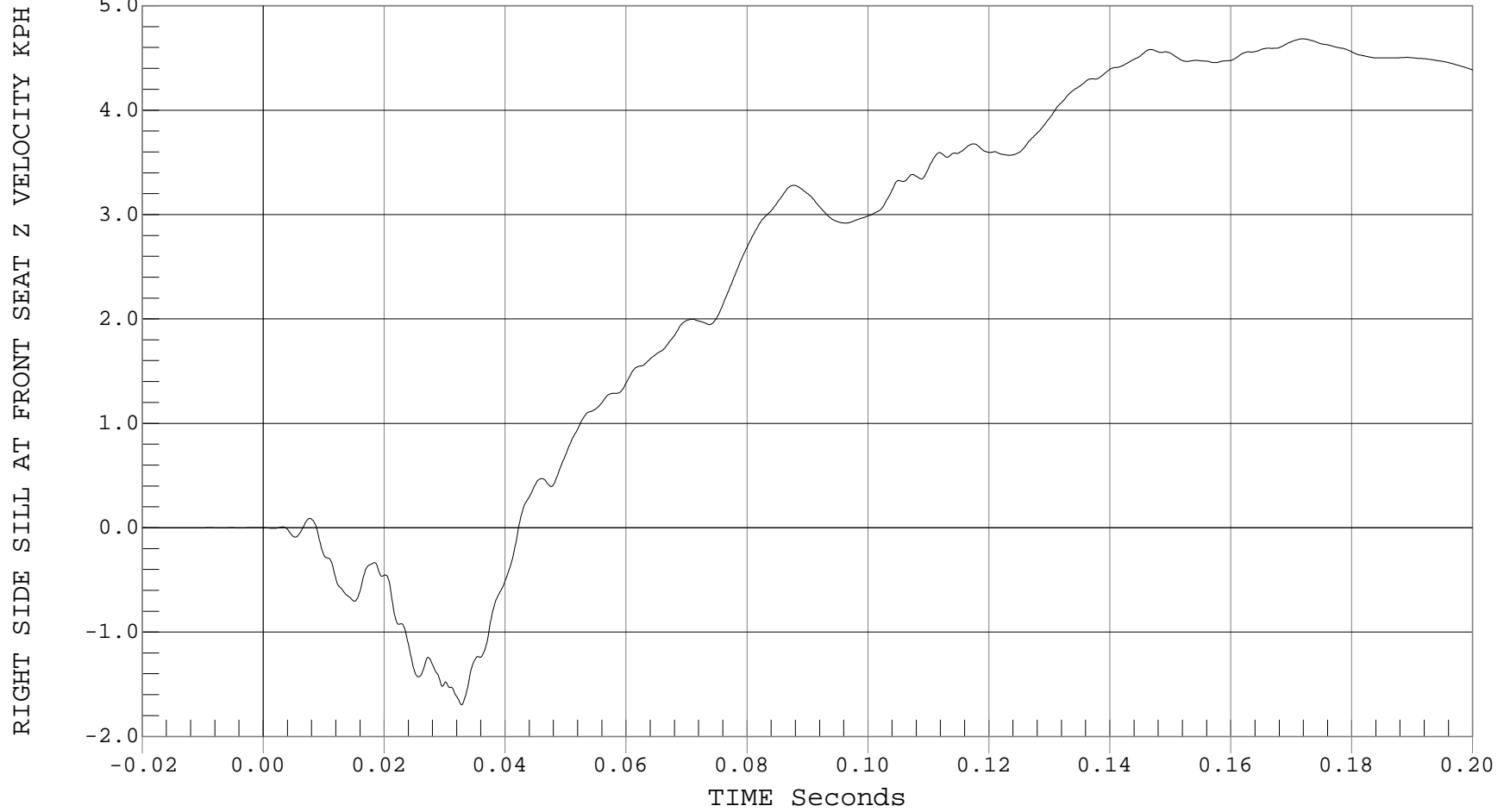
RIGHT SIDE SILL AT FRONT SEAT Z VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 RIGHT SIDE SILL AT FRONT SEAT Z VELOCITY, B00093AI.V17

Ymin = -1.7 KPH @ 0.0328 Seconds, Ymax = 4.68 KPH @ 0.1719 Seconds





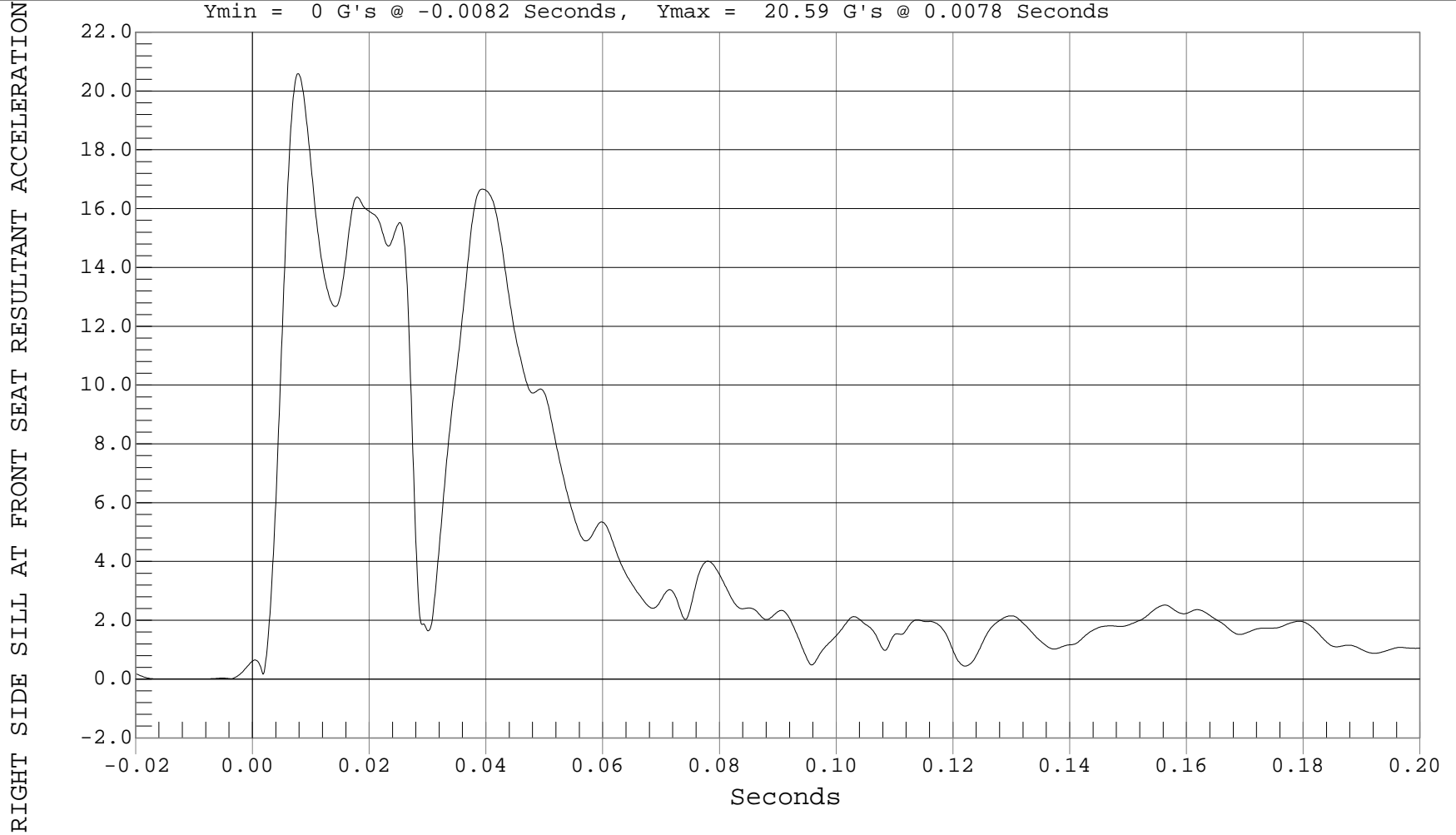
RIGHT SIDE SILL AT FRONT SEAT RESULTANT ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 RIGHT SIDE SILL AT FRONT SEAT RESULTANT ACCELERATION, B00093AV.A15

Ymin = 0 G's @ -0.0082 Seconds, Ymax = 20.59 G's @ 0.0078 Seconds





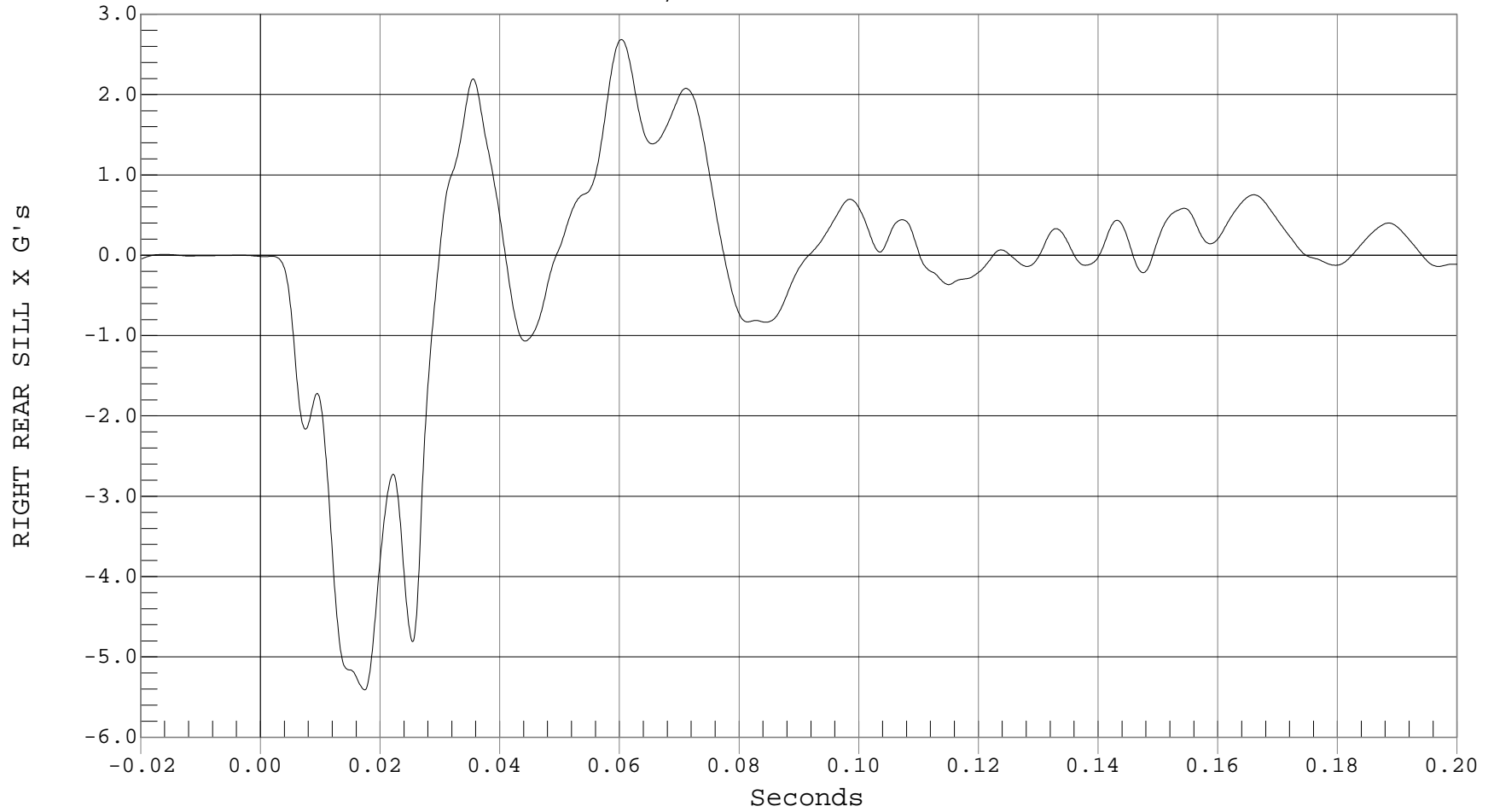
RIGHT SIDE SILL AT REAR SEAT X ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 RIGHT REAR SILL X, B00093AF.A18

Ymin = -5.41 G's @ 0.0174 Seconds, Ymax = 2.69 G's @ 0.0603 Seconds





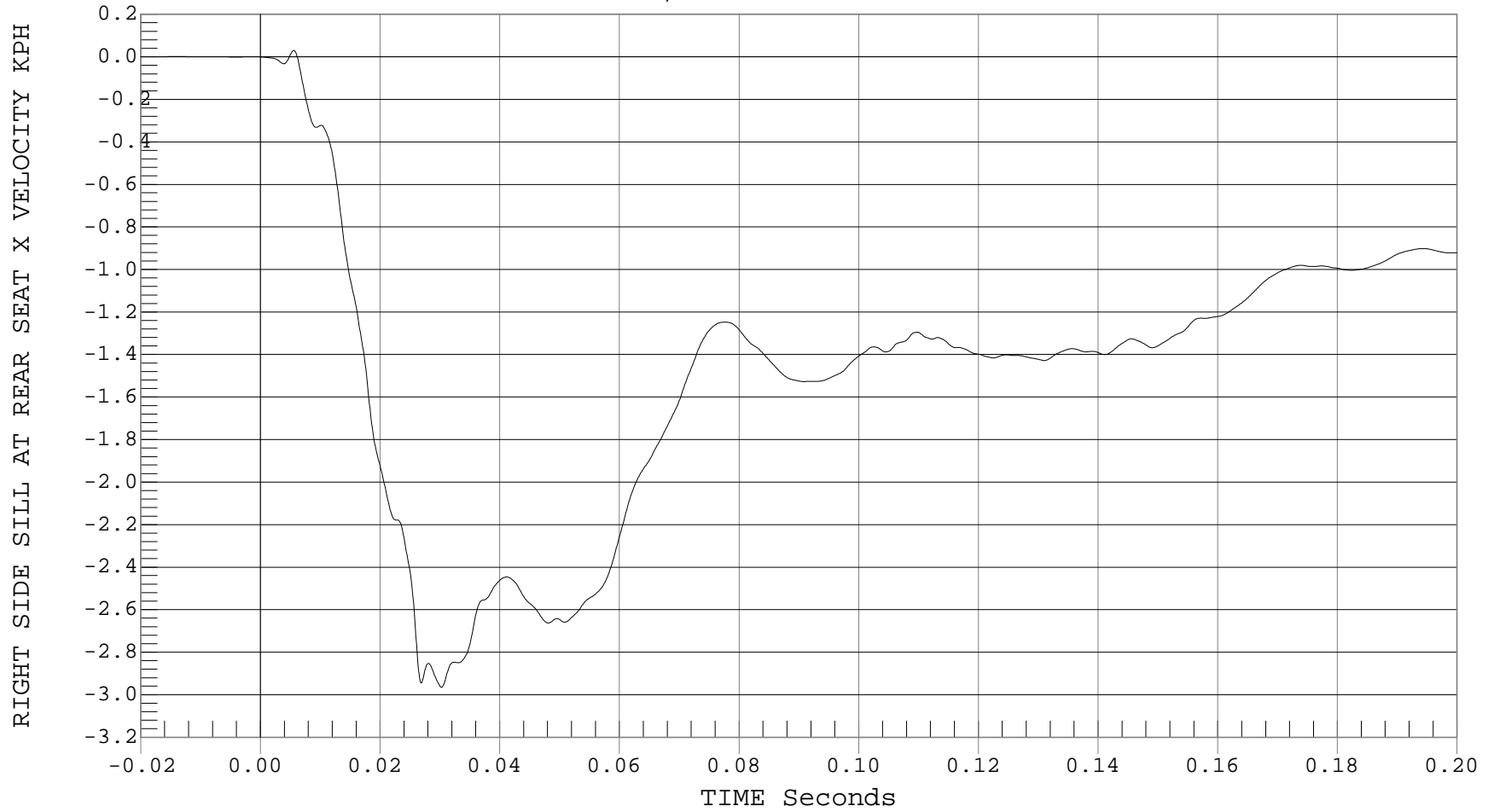
RIGHT SIDE SILL AT REAR SEAT X VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 RIGHT SIDE SILL AT REAR SEAT X VELOCITY, B00093AI.V18

Ymin = -2.96 KPH @ 0.0303 Seconds, Ymax = .03 KPH @ 0.0056 Seconds





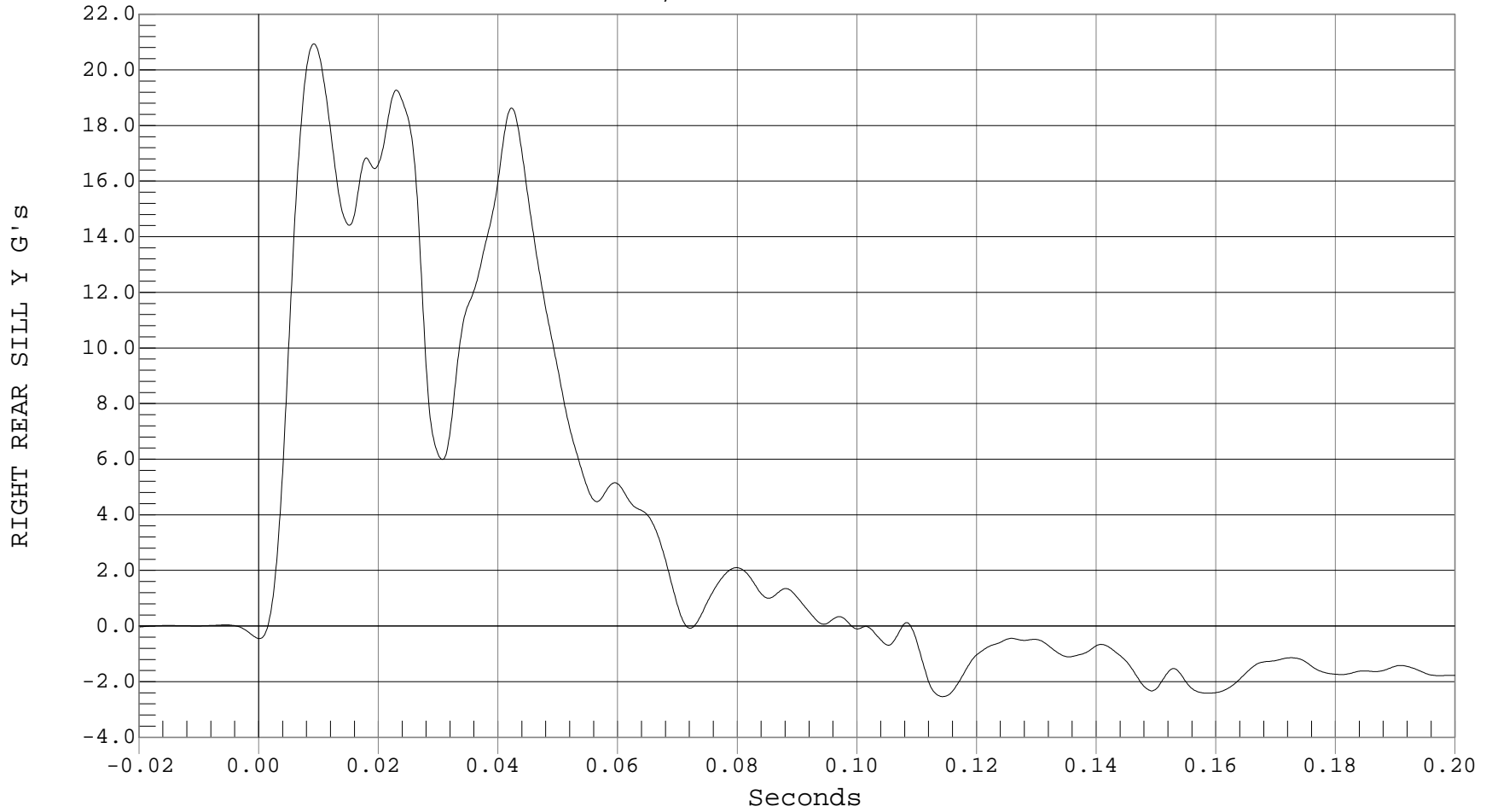
RIGHT SIDE SILL AT REAR SEAT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 RIGHT REAR SILL Y, B00093AF.A19

Ymin = -2.54 G's @ 0.1143 Seconds, Ymax = 20.93 G's @ 0.0092 Seconds





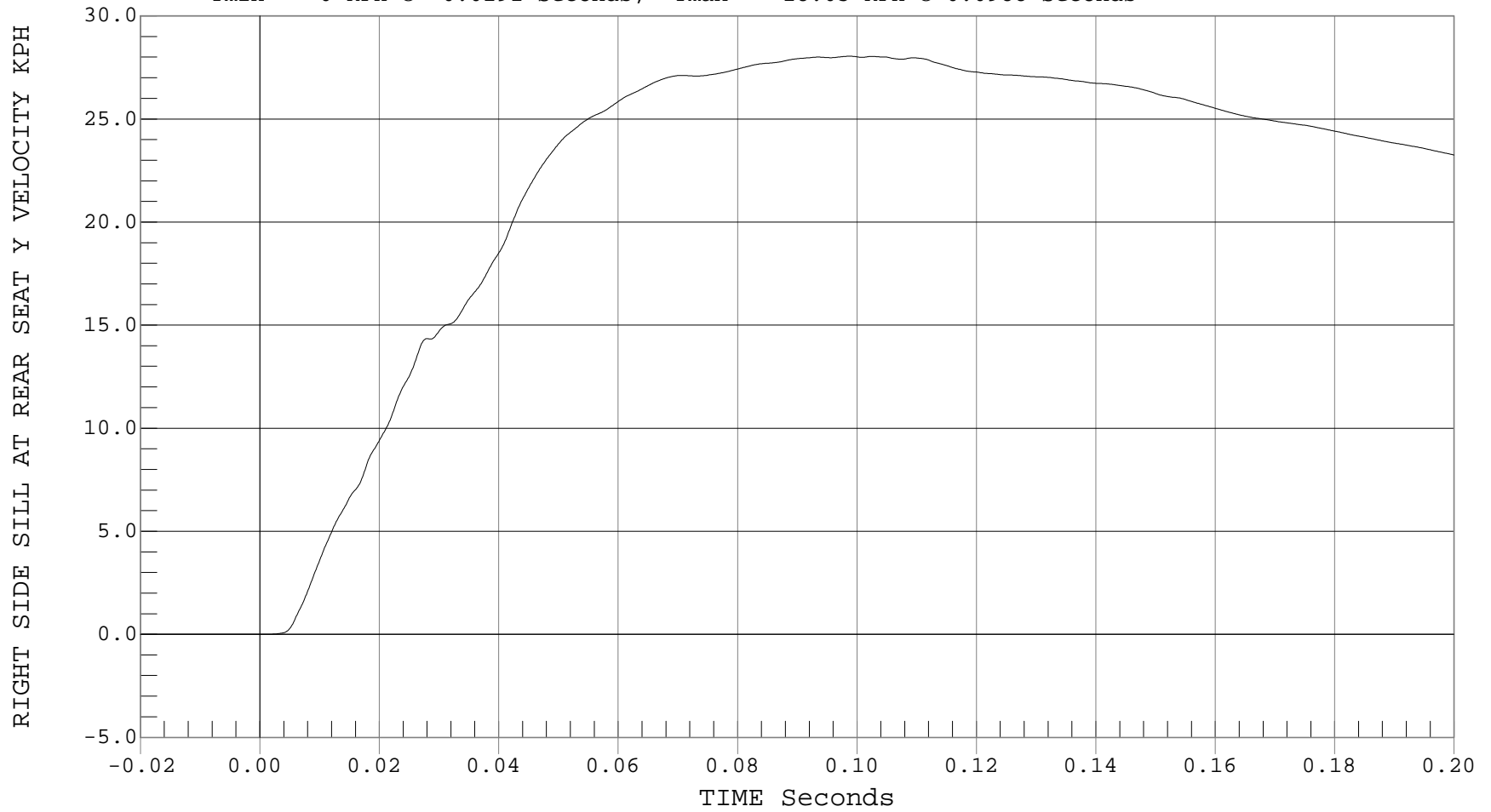
RIGHT SIDE SILL AT REAR SEAT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 RIGHT SIDE SILL AT REAR SEAT Y VELOCITY, B00093AI.V19

Ymin = 0 KPH @ -0.0192 Seconds, Ymax = 28.05 KPH @ 0.0988 Seconds





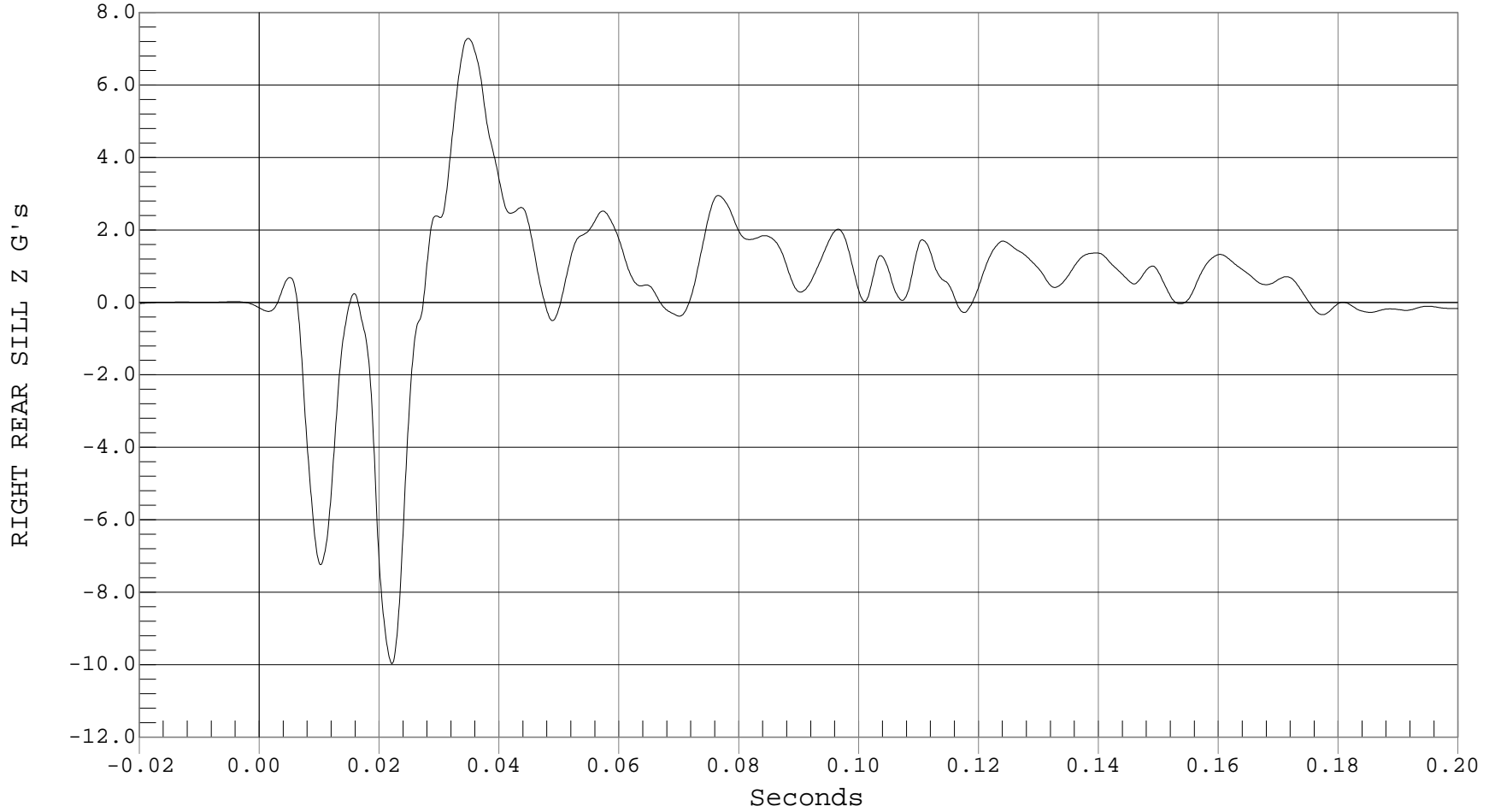
RIGHT SIDE SILL AT REAR SEAT Z ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 RIGHT REAR SILL Z, B00093AF.A20

Ymin = -9.97 G's @ 0.0222 Seconds, Ymax = 7.29 G's @ 0.0349 Seconds



B-50



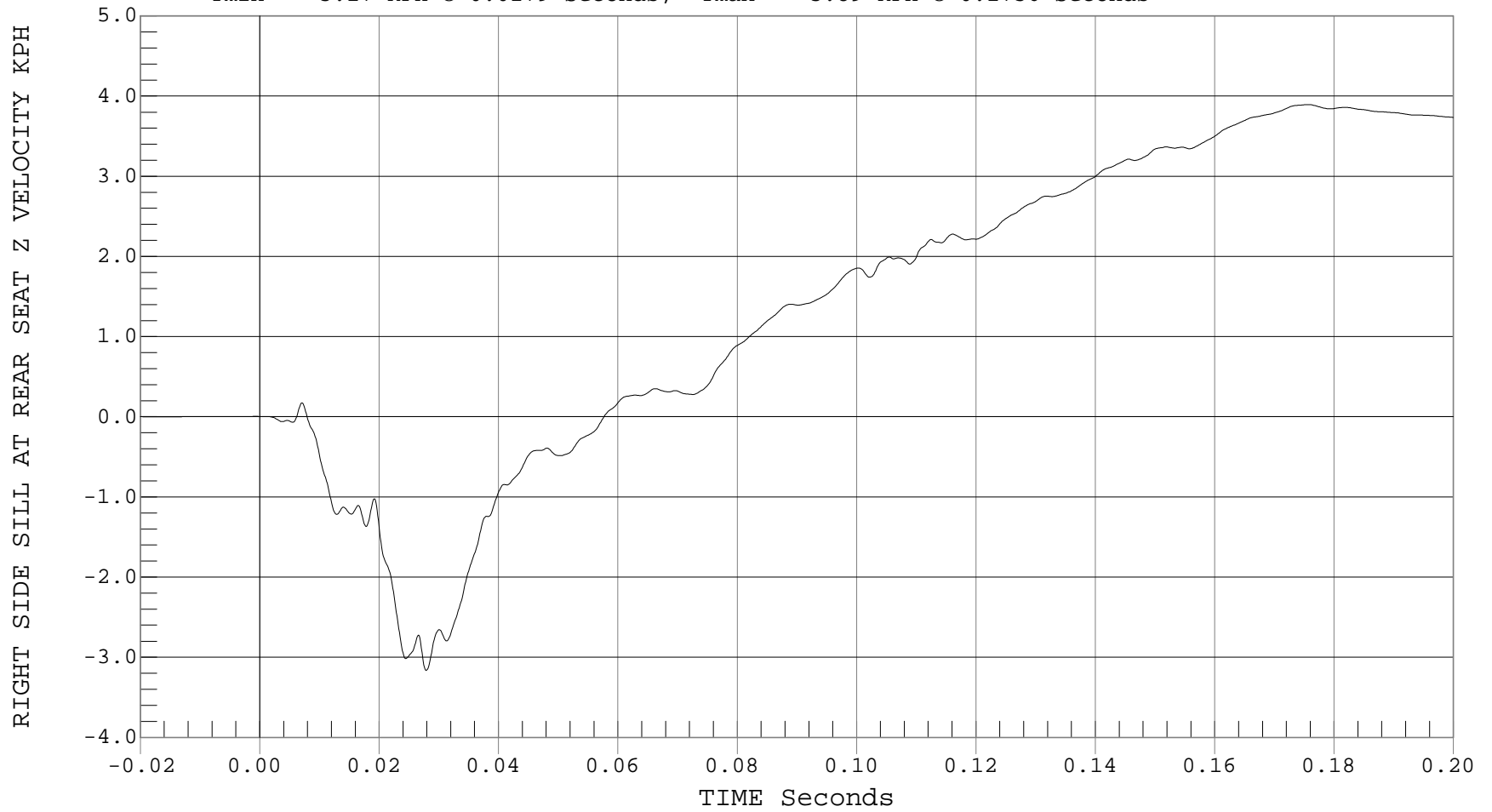
RIGHT SIDE SILL AT REAR SEAT Z VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 RIGHT SIDE SILL AT REAR SEAT Z VELOCITY, B00093AI.V20

Ymin = -3.17 KPH @ 0.0279 Seconds, Ymax = 3.89 KPH @ 0.1756 Seconds





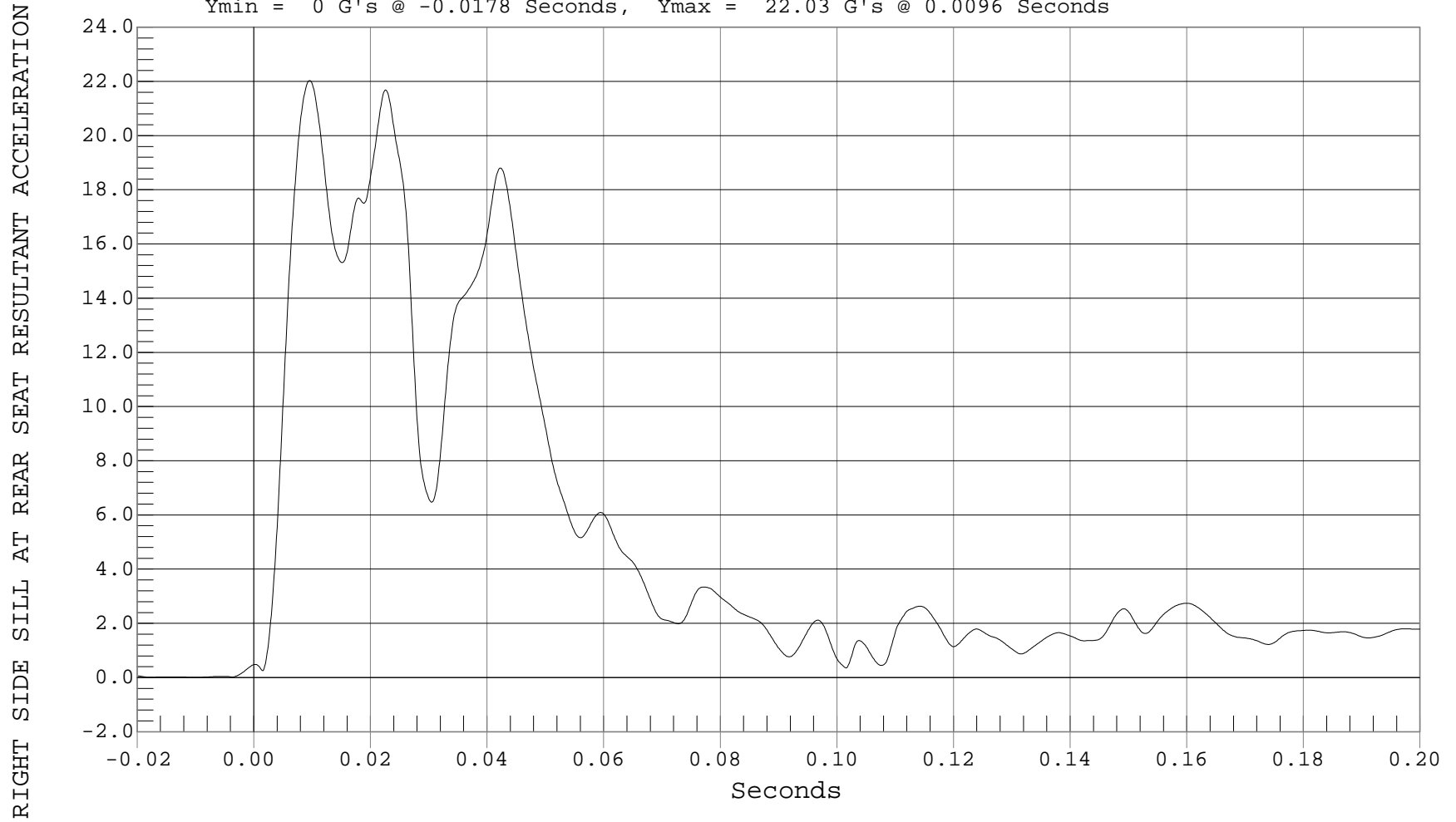
RIGHT SIDE SILL AT REAR SEAT RESULTANT ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 RIGHT SIDE SILL AT REAR SEAT RESULTANT ACCELERATION, B00093AV.A18

Ymin = 0 G's @ -0.0178 Seconds, Ymax = 22.03 G's @ 0.0096 Seconds





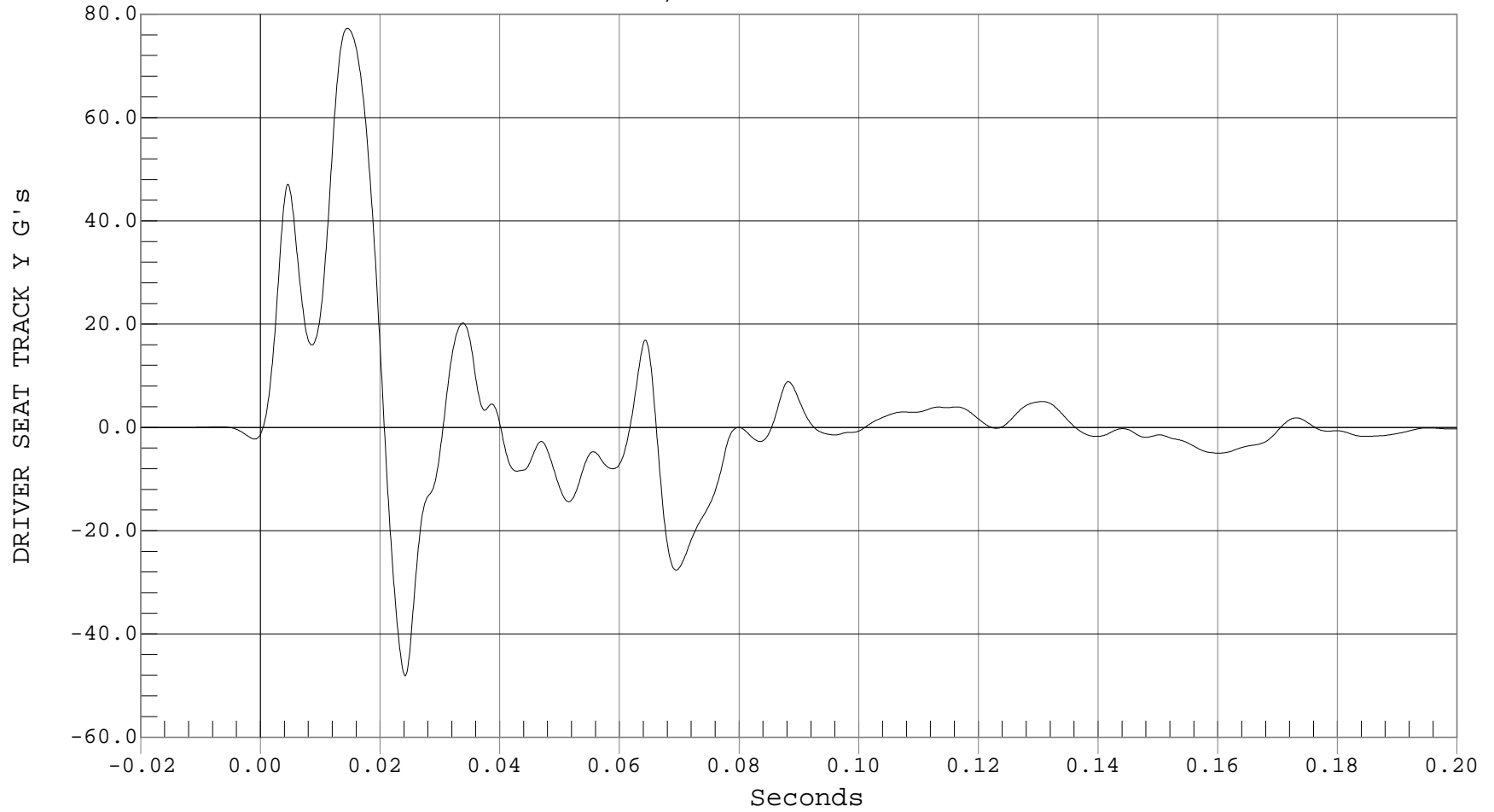
LEFT DRIVERS SEAT TRACK Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 DRIVER SEAT TRACK Y, B00093AF.A30

Ymin = -48.1 G's @ 0.0242 Seconds, Ymax = 77.27 G's @ 0.0145 Seconds





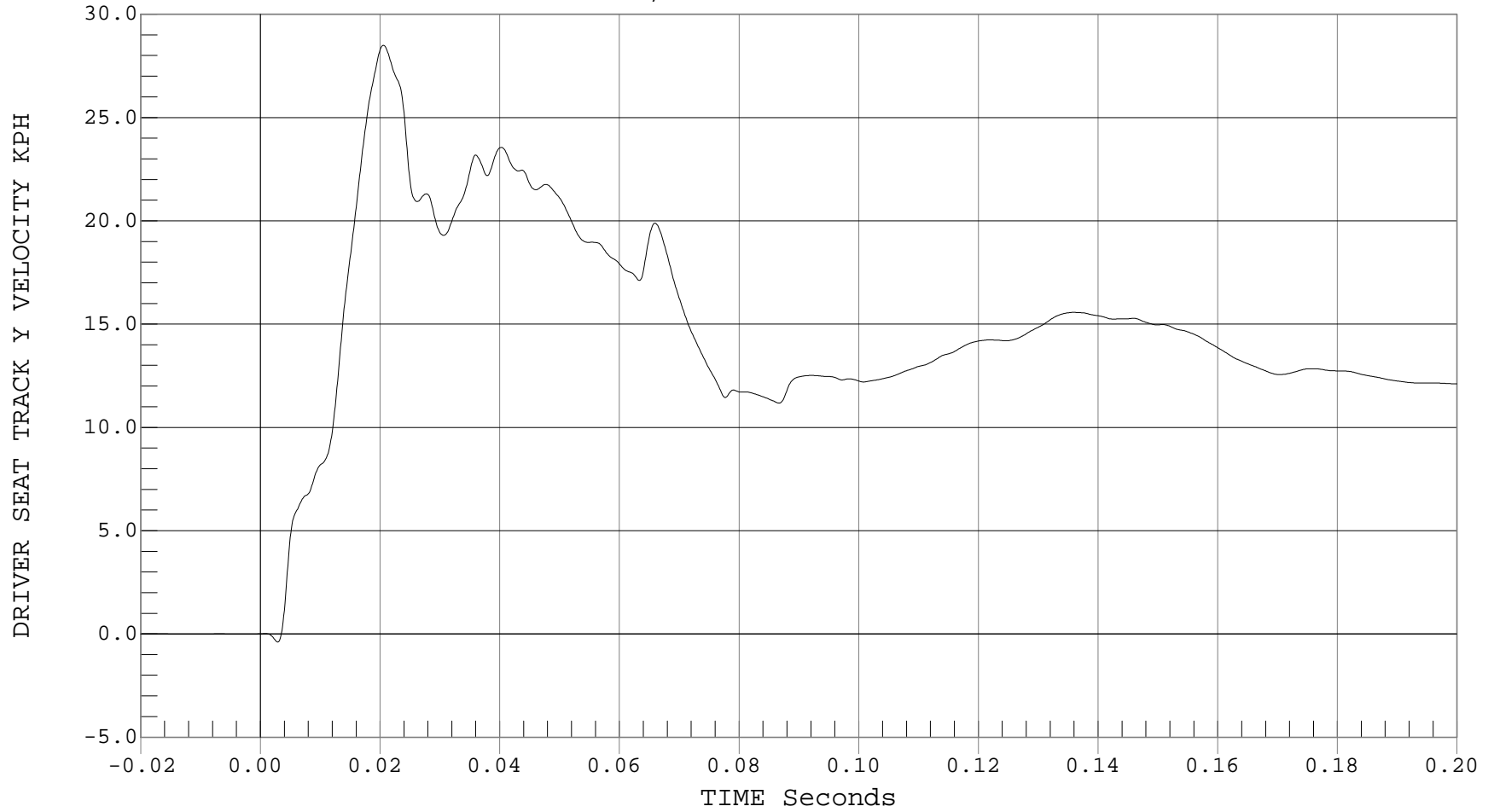
LEFT DRIVERS SEAT TRACK Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER SEAT TRACK Y VELOCITY, B00093AI.V30

Ymin = -0.39 KPH @ 0.0029 Seconds, Ymax = 28.5 KPH @ 0.0205 Seconds





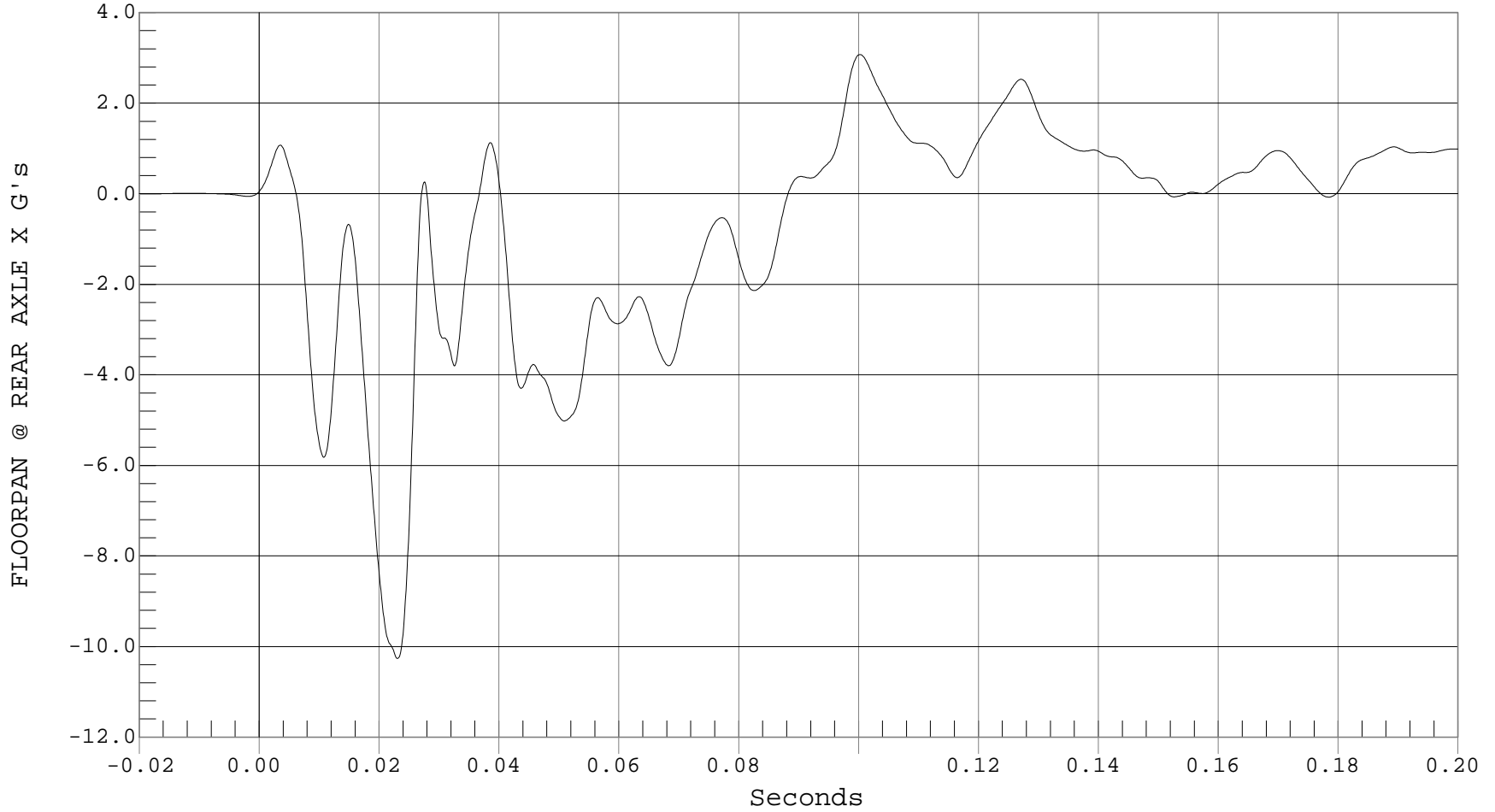
REAR FLOORPAN ABOVE AXLE X ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 FLOORPAN @ REAR AXLE X, B00093AF.A23

Ymin = -10.26 G's @ 0.0231 Seconds, Ymax = 3.07 G's @ 0.1002 Seconds





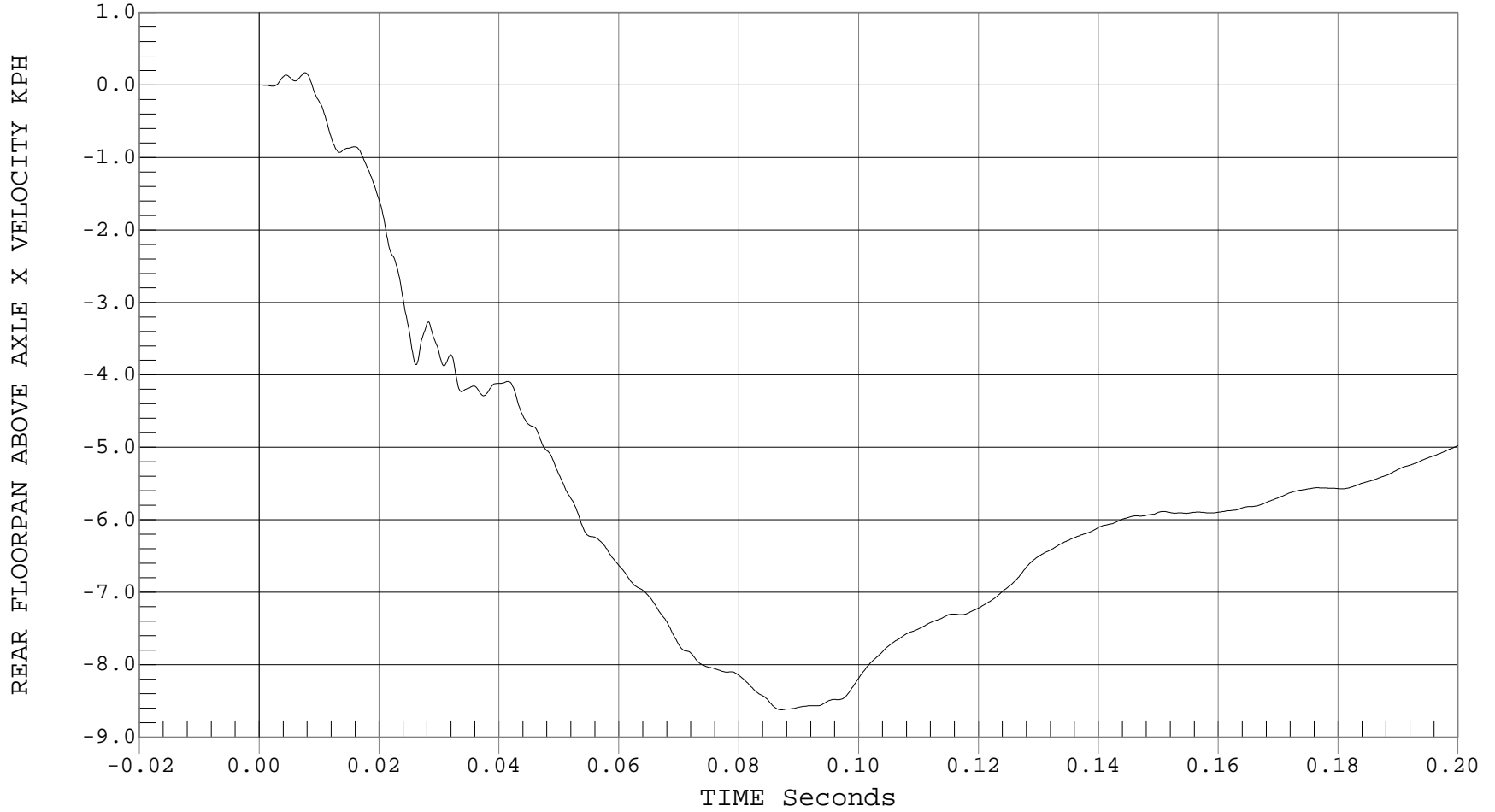
REAR FLOORPAN ABOVE AXLE X VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR FLOORPAN ABOVE AXLE X VELOCITY, B00093AI.V23

Ymin = -8.62 KPH @ 0.0871 Seconds, Ymax = .17 KPH @ 0.0076 Seconds





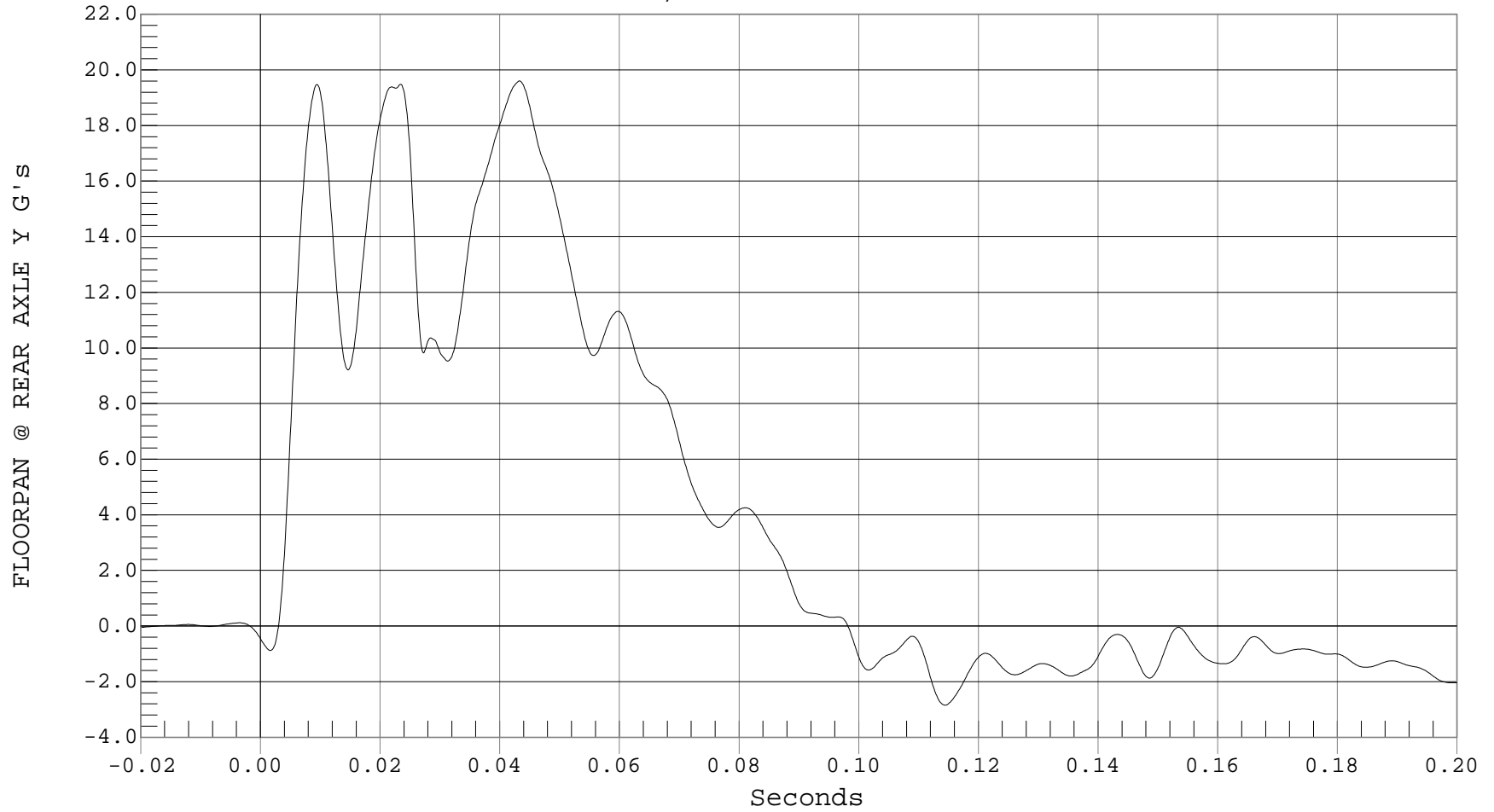
REAR FLOORPAN ABOVE AXLE Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 FLOORPAN @ REAR AXLE Y, B00093AF.A24

Ymin = -2.85 G's @ 0.1144 Seconds, Ymax = 19.6 G's @ 0.0433 Seconds





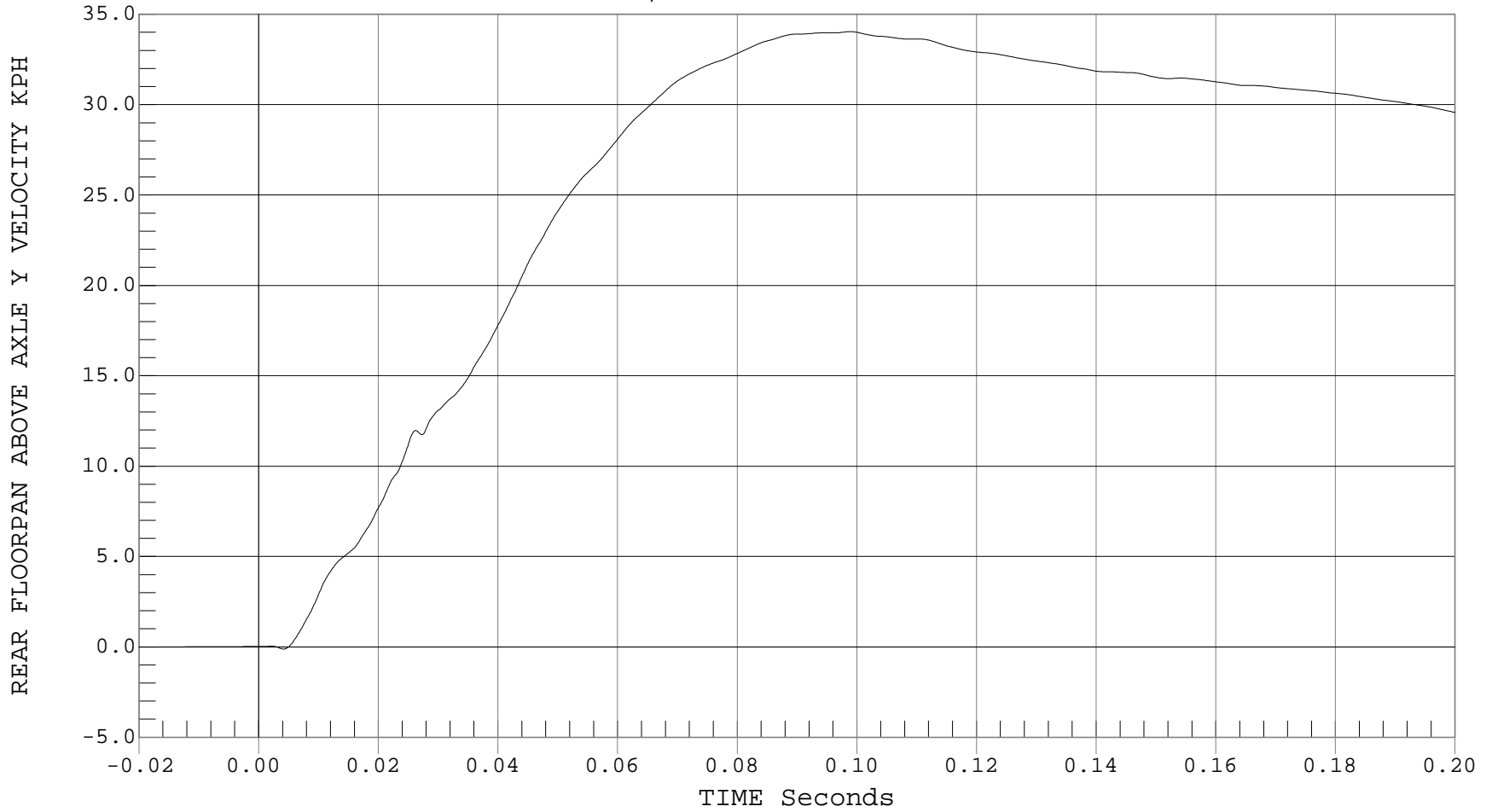
REAR FLOORPAN ABOVE AXLE Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR FLOORPAN ABOVE AXLE Y VELOCITY, B00093AI.V24

Ymin = -.12 KPH @ 0.0042 Seconds, Ymax = 34.04 KPH @ 0.0989 Seconds





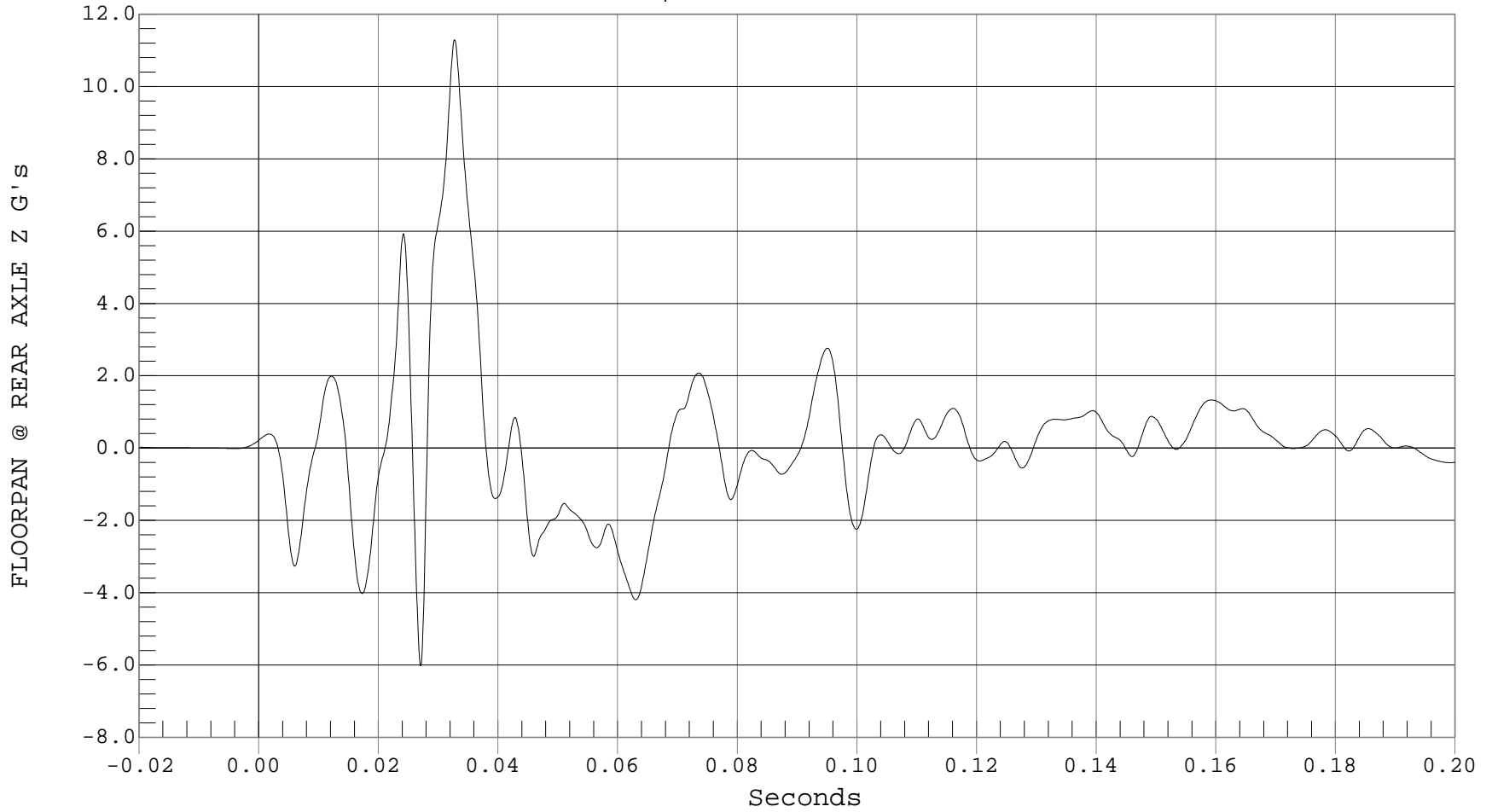
REAR FLOORPAN ABOVE AXLE Z ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 FLOORPAN @ REAR AXLE Z, B00093AF.A25

Ymin = -6.03 G's @ 0.0271 Seconds, Ymax = 11.29 G's @ 0.0328 Seconds





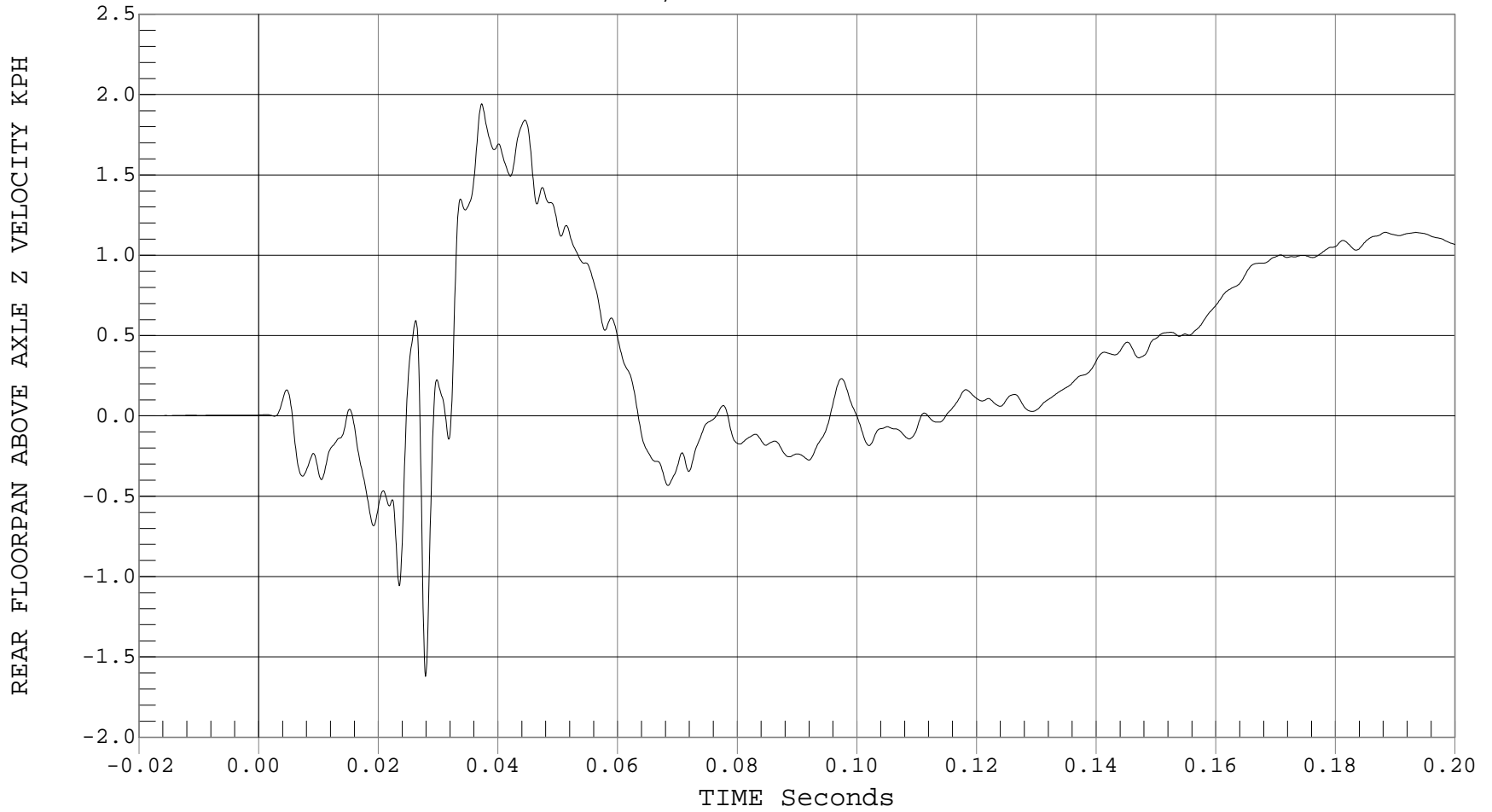
REAR FLOORPAN ABOVE AXLE Z VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR FLOORPAN ABOVE AXLE Z VELOCITY, B00093AI.V25

Ymin = -1.62 KPH @ 0.0279 Seconds, Ymax = 1.94 KPH @ 0.0373 Seconds





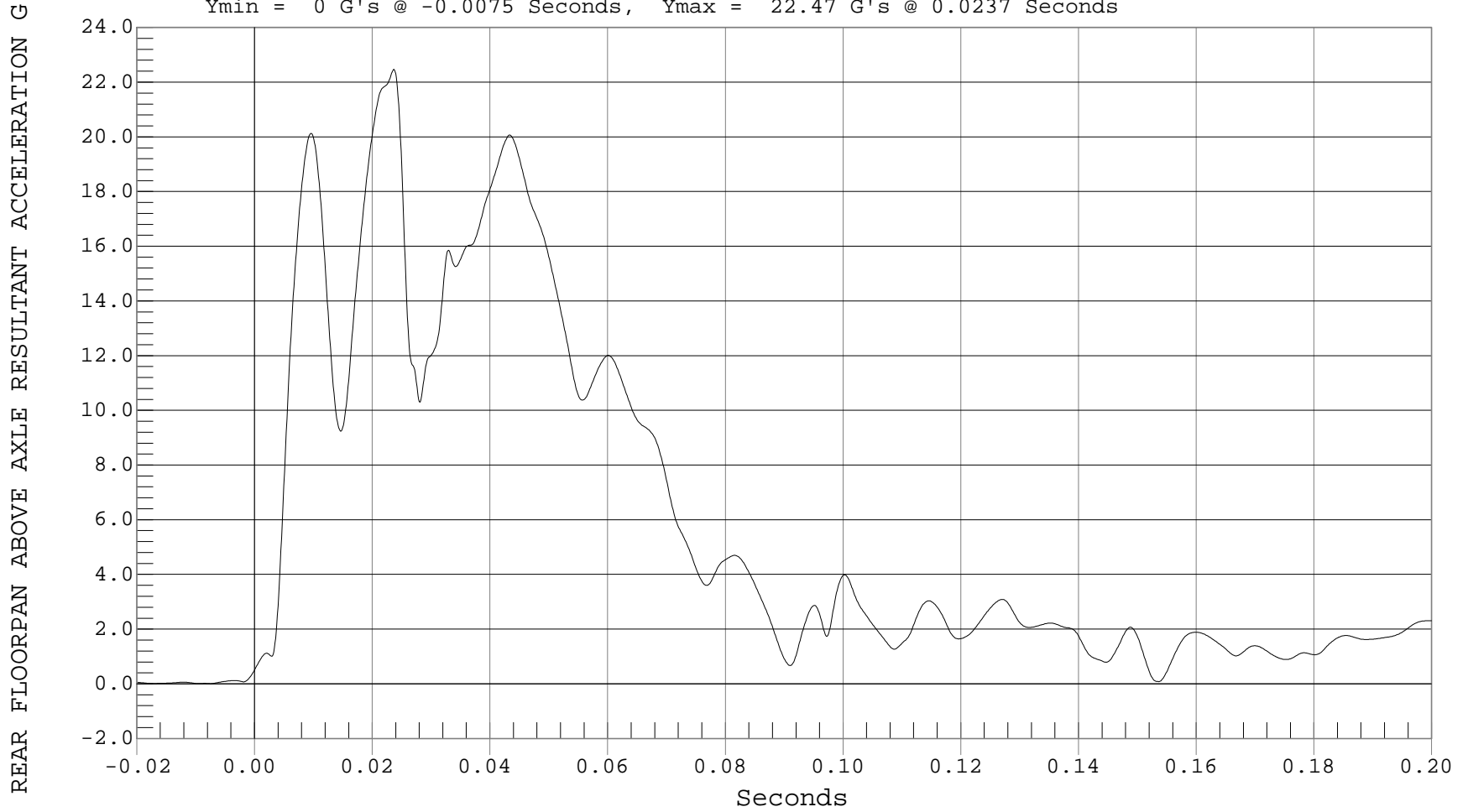
REAR FLOORPAN ABOVE AXLE RESULTANT ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 REAR FLOORPAN ABOVE AXLE RESULTANT ACCELERATION, B00093AV.A23

Ymin = 0 G's @ -0.0075 Seconds, Ymax = 22.47 G's @ 0.0237 Seconds





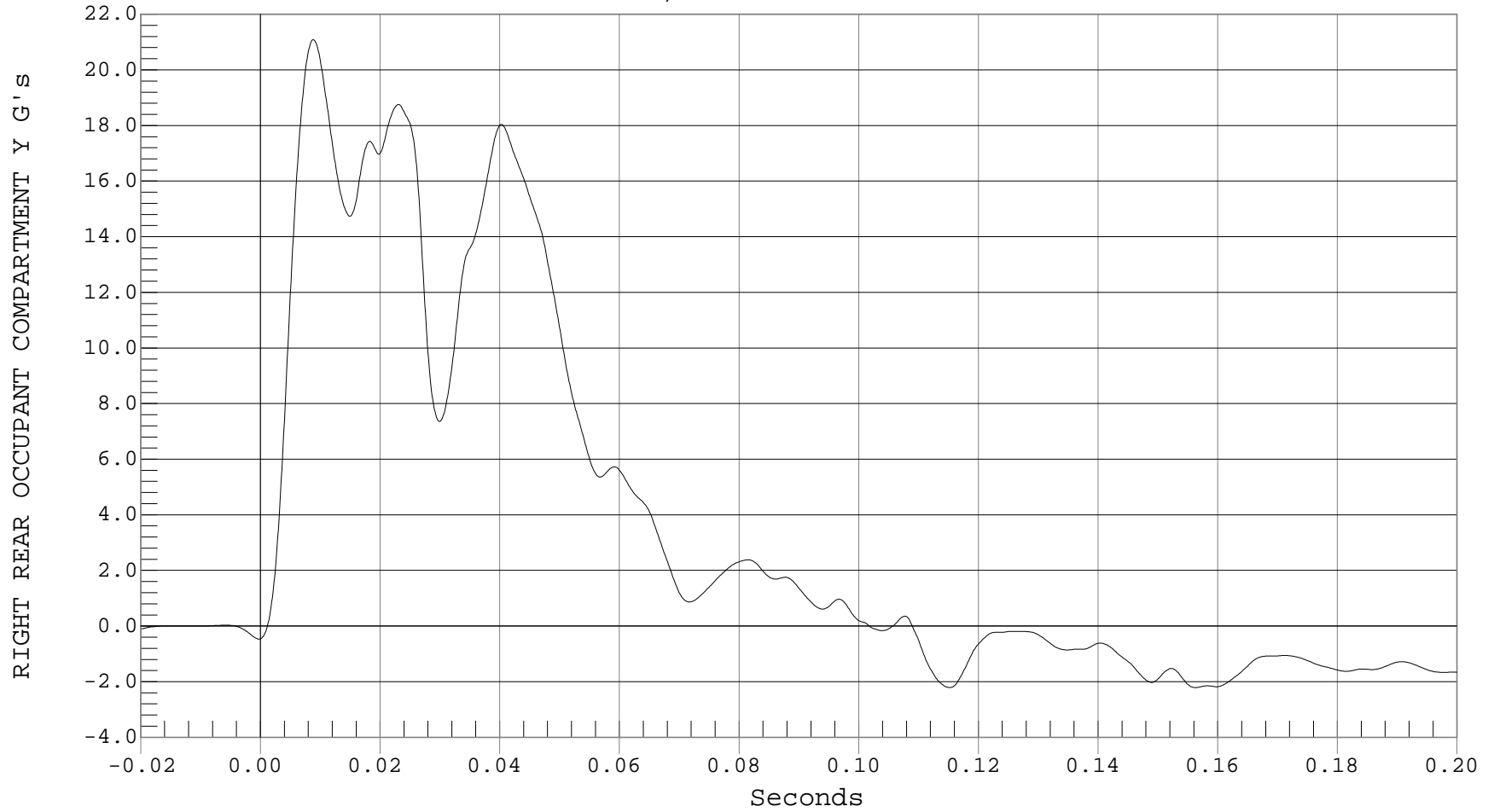
RIGHT REAR OCCUPANT COMPARTMENT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 RIGHT REAR OCCUPANT COMPARTMENT Y, B00093AF.A31

Ymin = -2.22 G's @ 0.1563 Seconds, Ymax = 21.09 G's @ 0.0088 Seconds





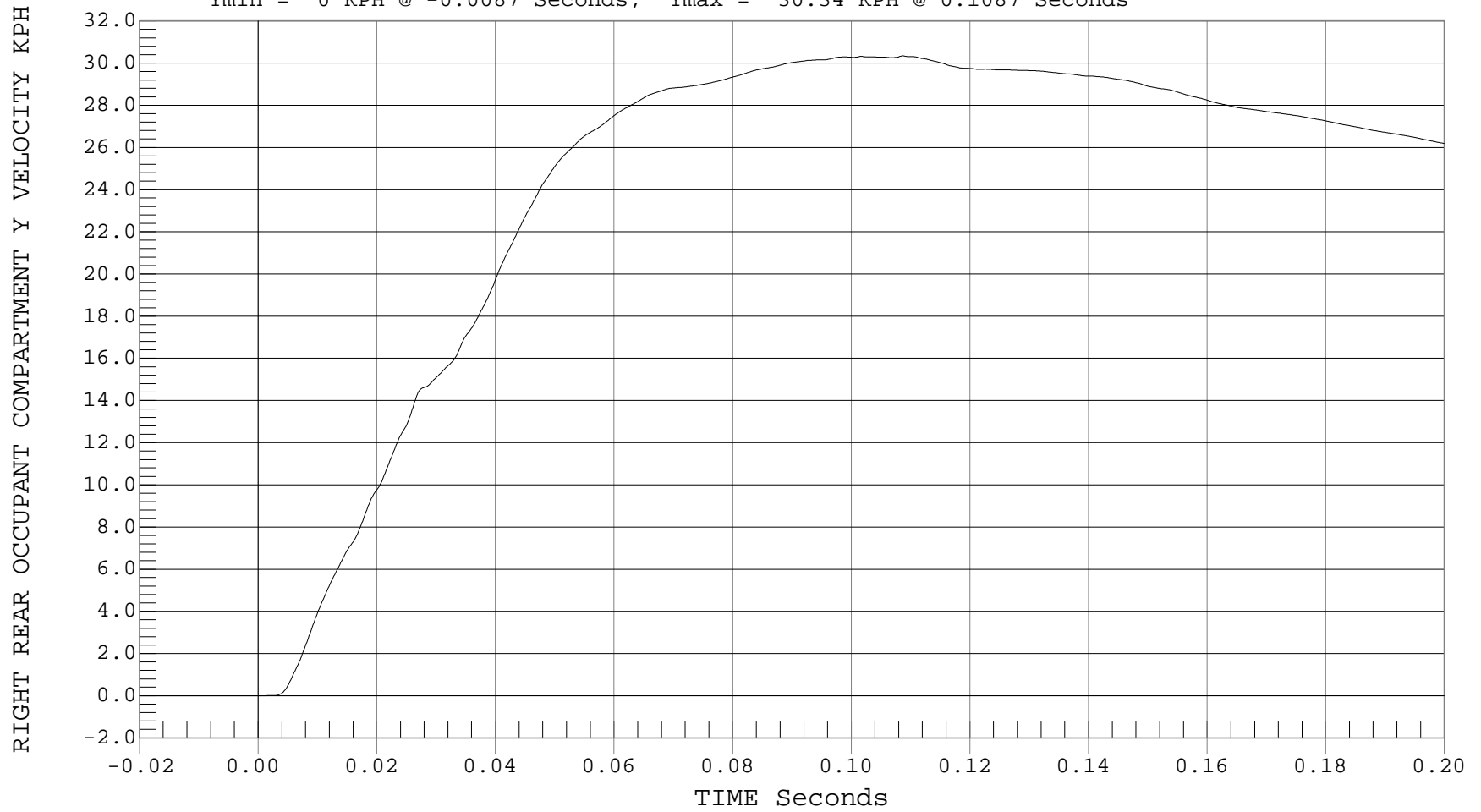
RIGHT REAR OCCUPANT COMPARTMENT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 RIGHT REAR OCCUPANT COMPARTMENT Y VELOCITY, B00093AI.V31

Ymin = 0 KPH @ -0.0087 Seconds, Ymax = 30.34 KPH @ 0.1087 Seconds





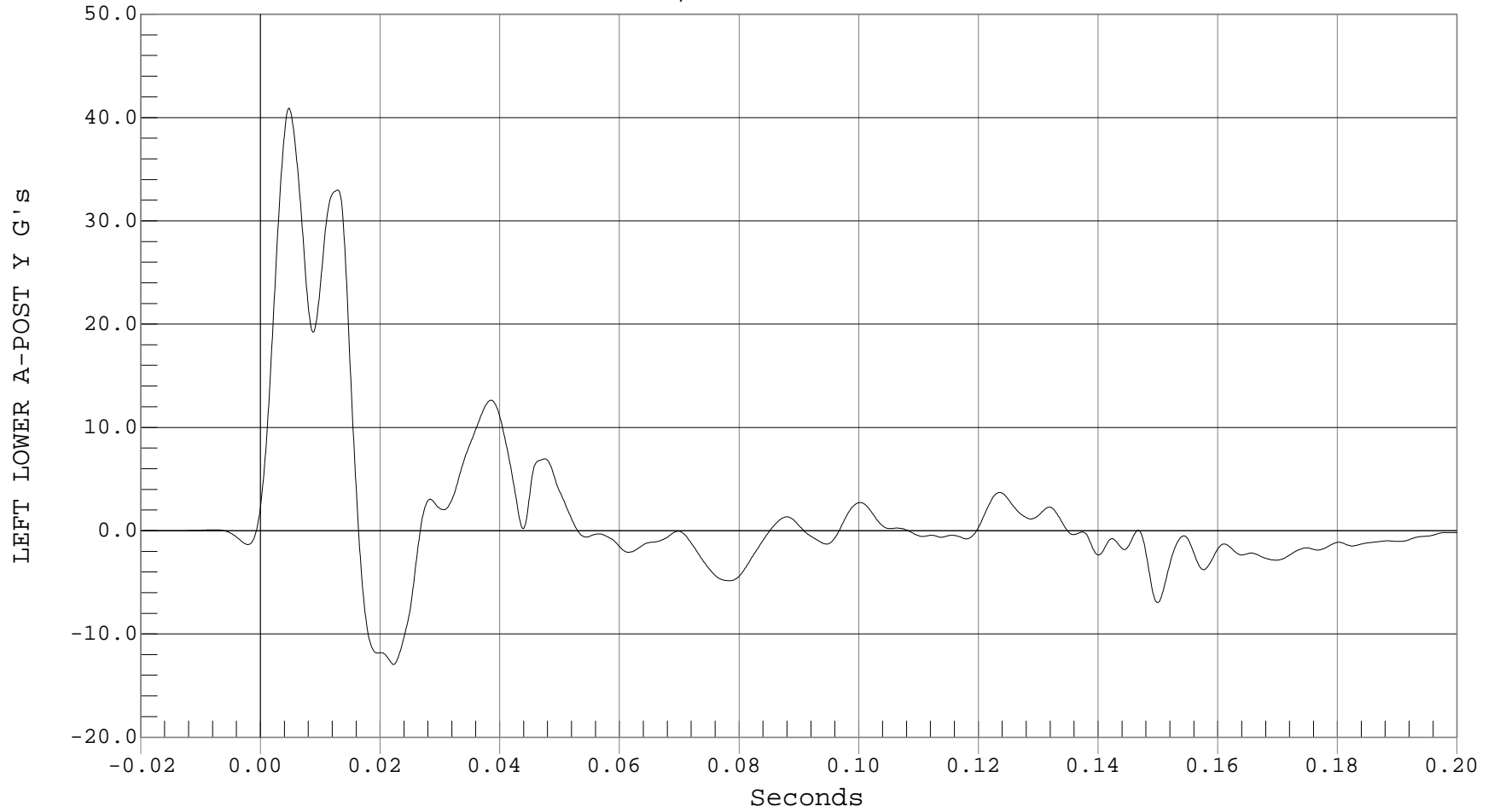
LEFT LOWER A-POST Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 LEFT LOWER A-POST Y, B00093AF.A27

Ymin = -12.95 G's @ 0.0223 Seconds, Ymax = 40.9 G's @ 0.0048 Seconds





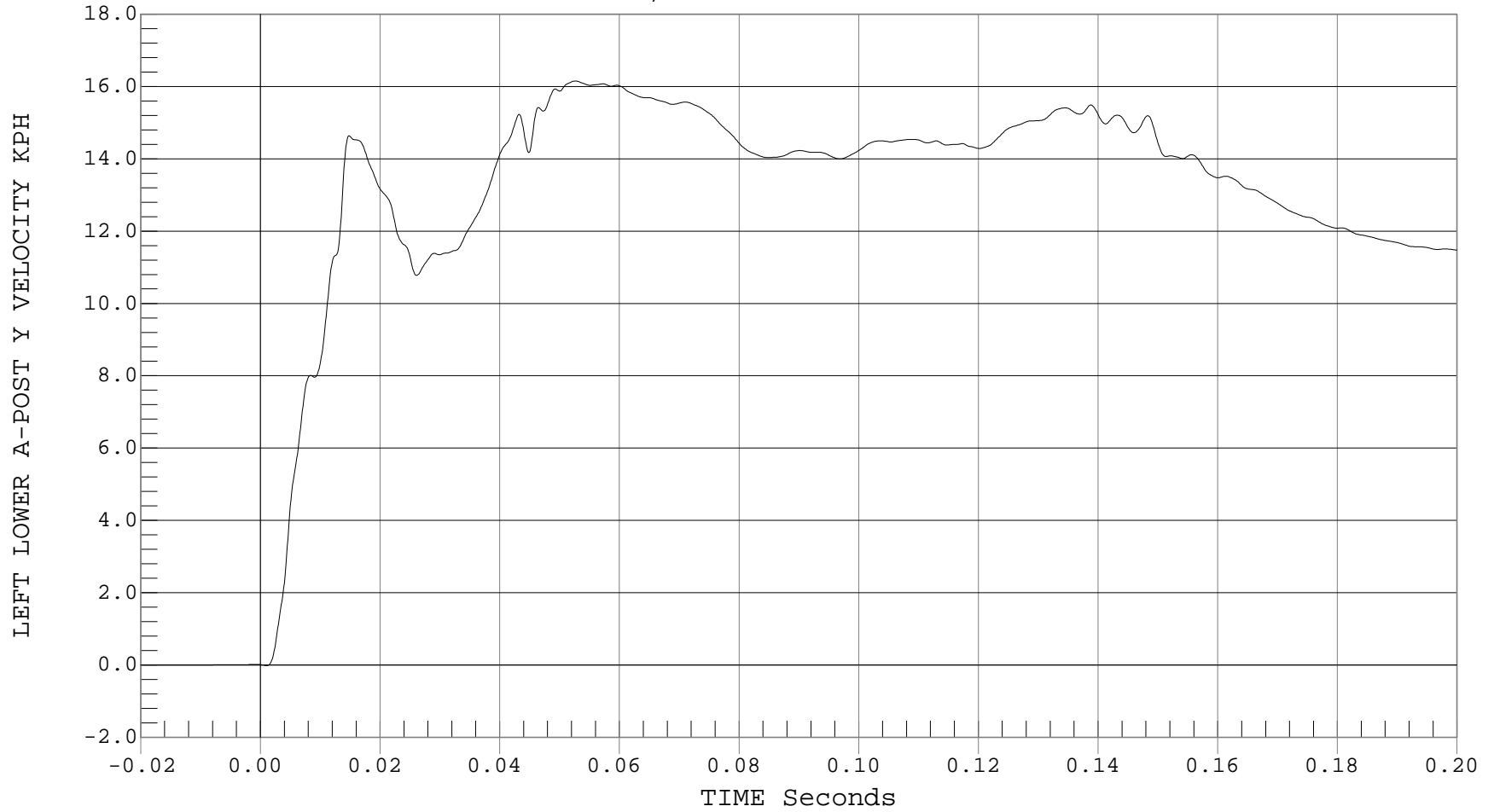
LEFT LOWER A-POST Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT LOWER A-POST Y VELOCITY, B00093AI.V27

Ymin = -.02 KPH @ 0.0010 Seconds, Ymax = 16.15 KPH @ 0.0526 Seconds





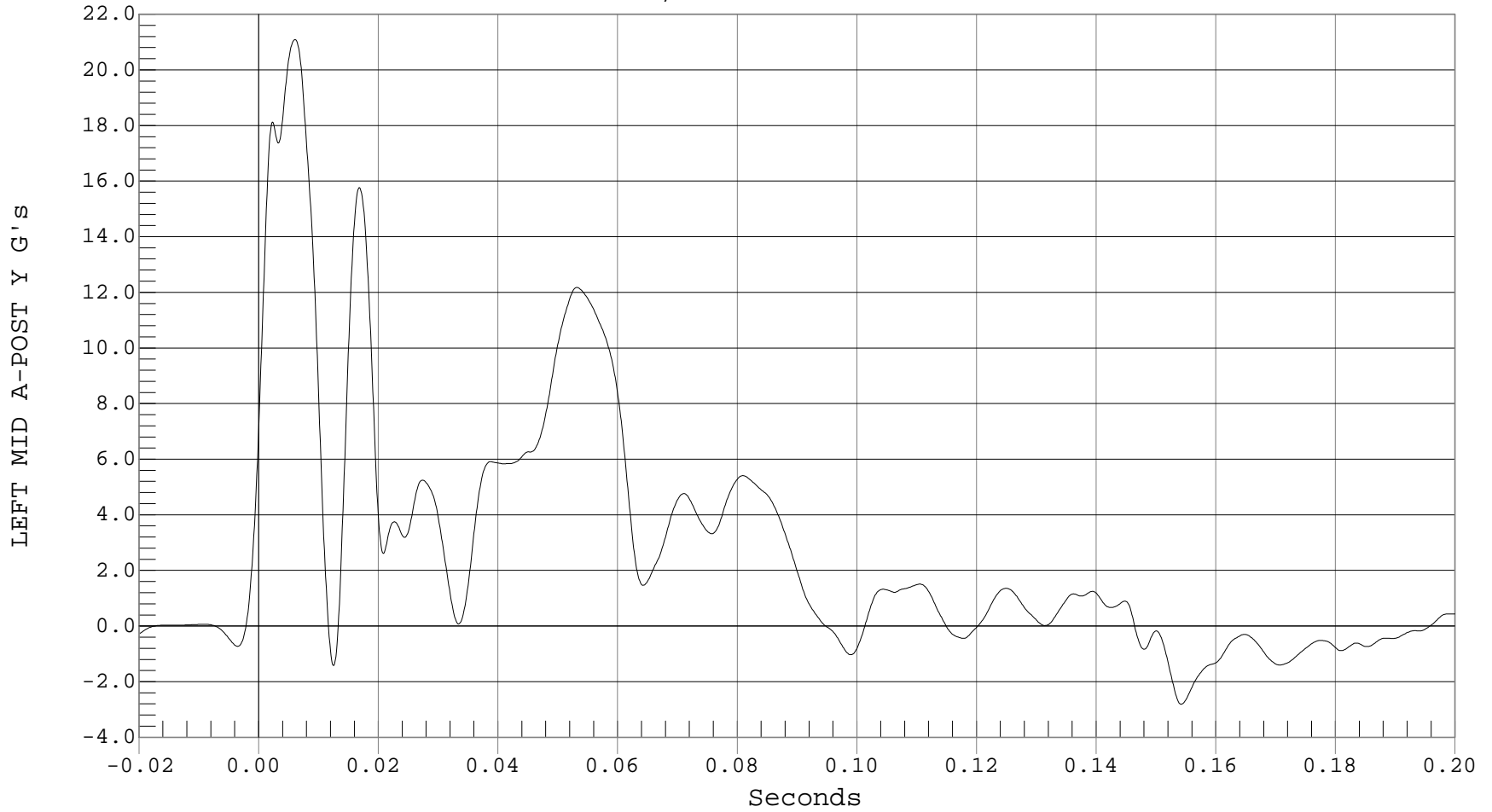
LEFT MID A-POST Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 LEFT MID A-POST Y, B00093AF.A26

Ymin = -2.81 G's @ 0.1542 Seconds, Ymax = 21.09 G's @ 0.0061 Seconds





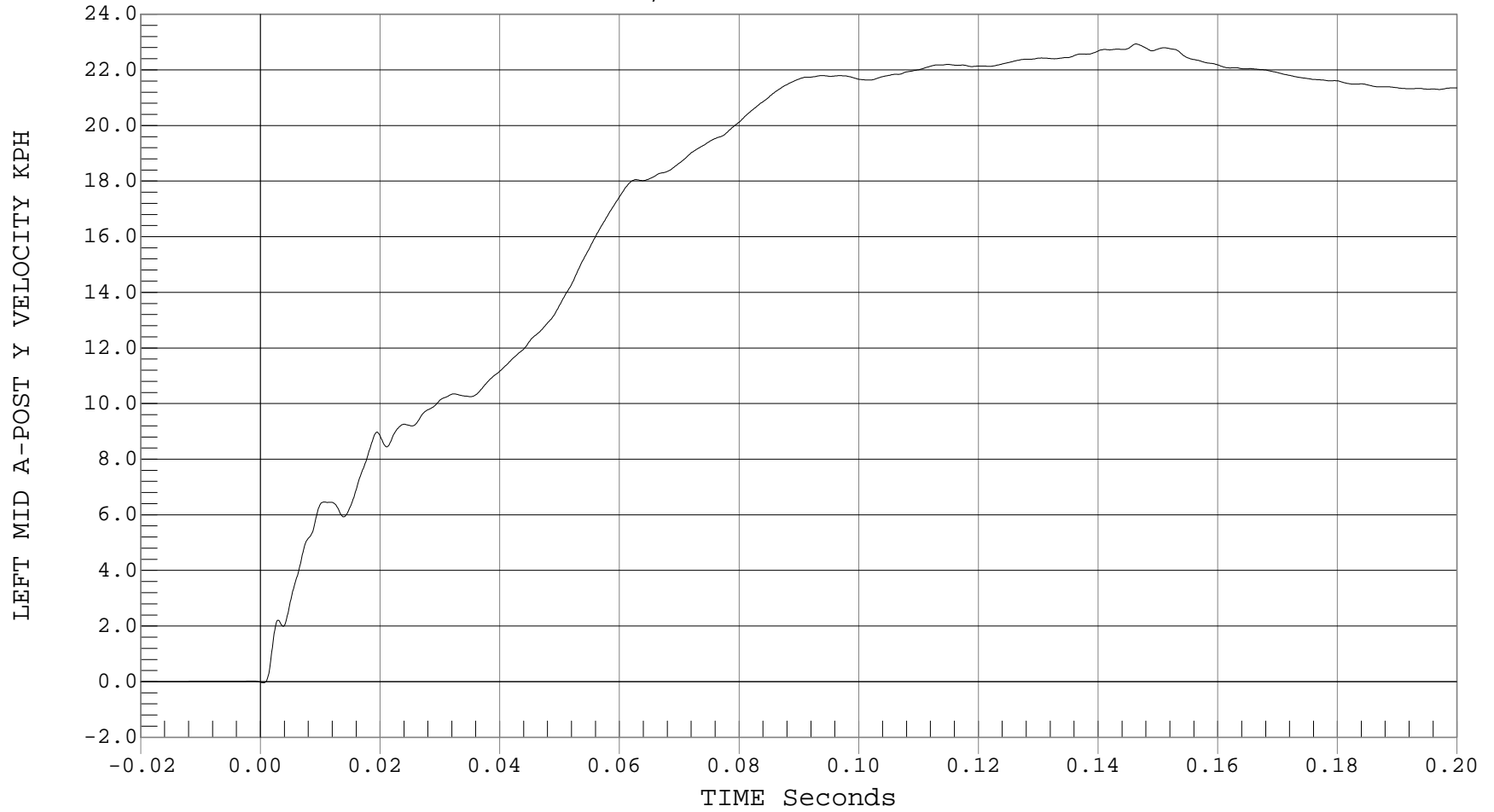
LEFT MID A-POST Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT MID A-POST Y VELOCITY, B00093AI.V26

Ymin = -.04 KPH @ 0.0005 Seconds, Ymax = 22.93 KPH @ 0.1463 Seconds





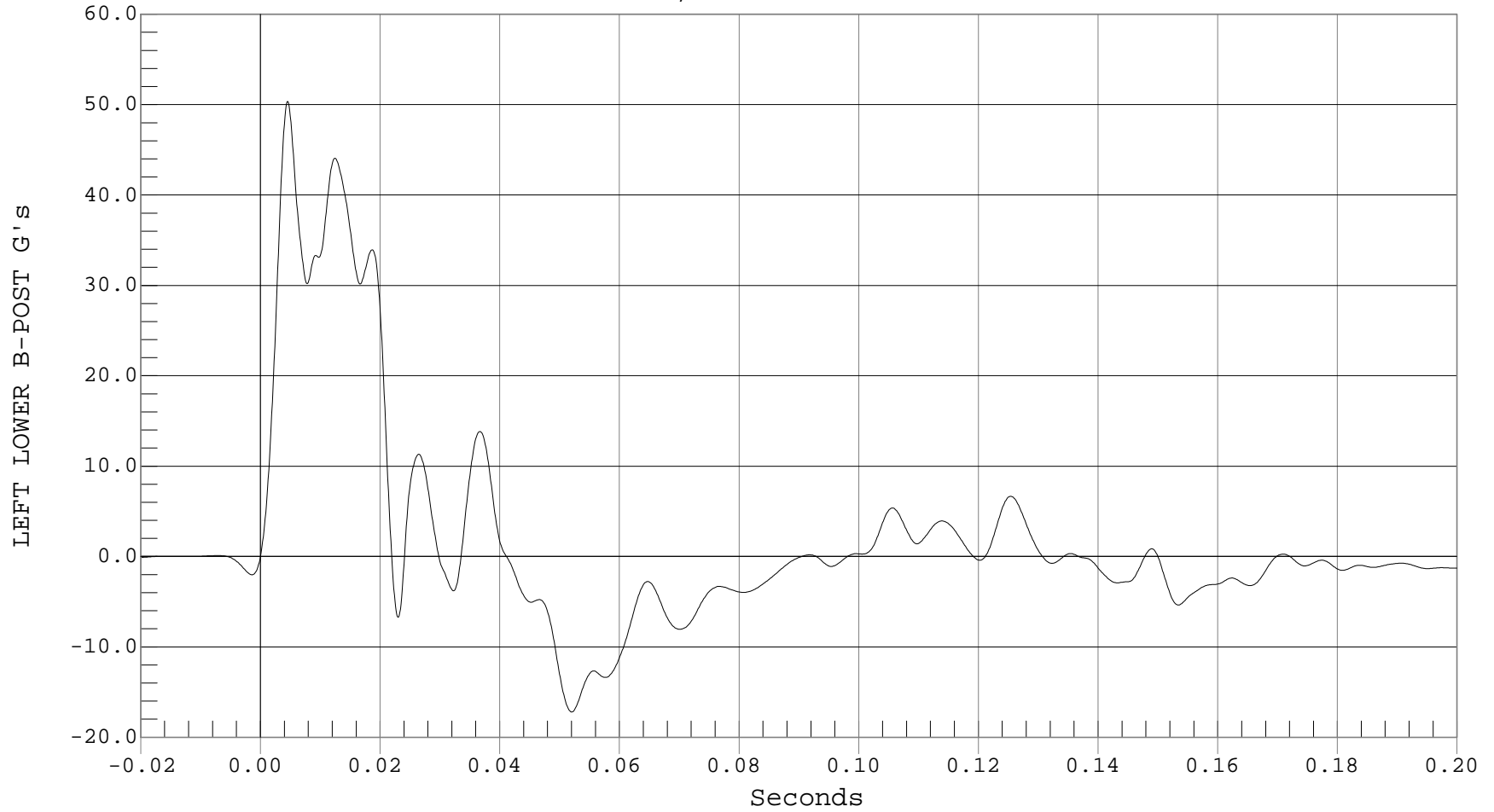
LEFT LOWER B-POST Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 LEFT LOWER B-POST, B00093AF.A29

Ymin = -17.21 G's @ 0.0520 Seconds, Ymax = 50.33 G's @ 0.0045 Seconds



B-68



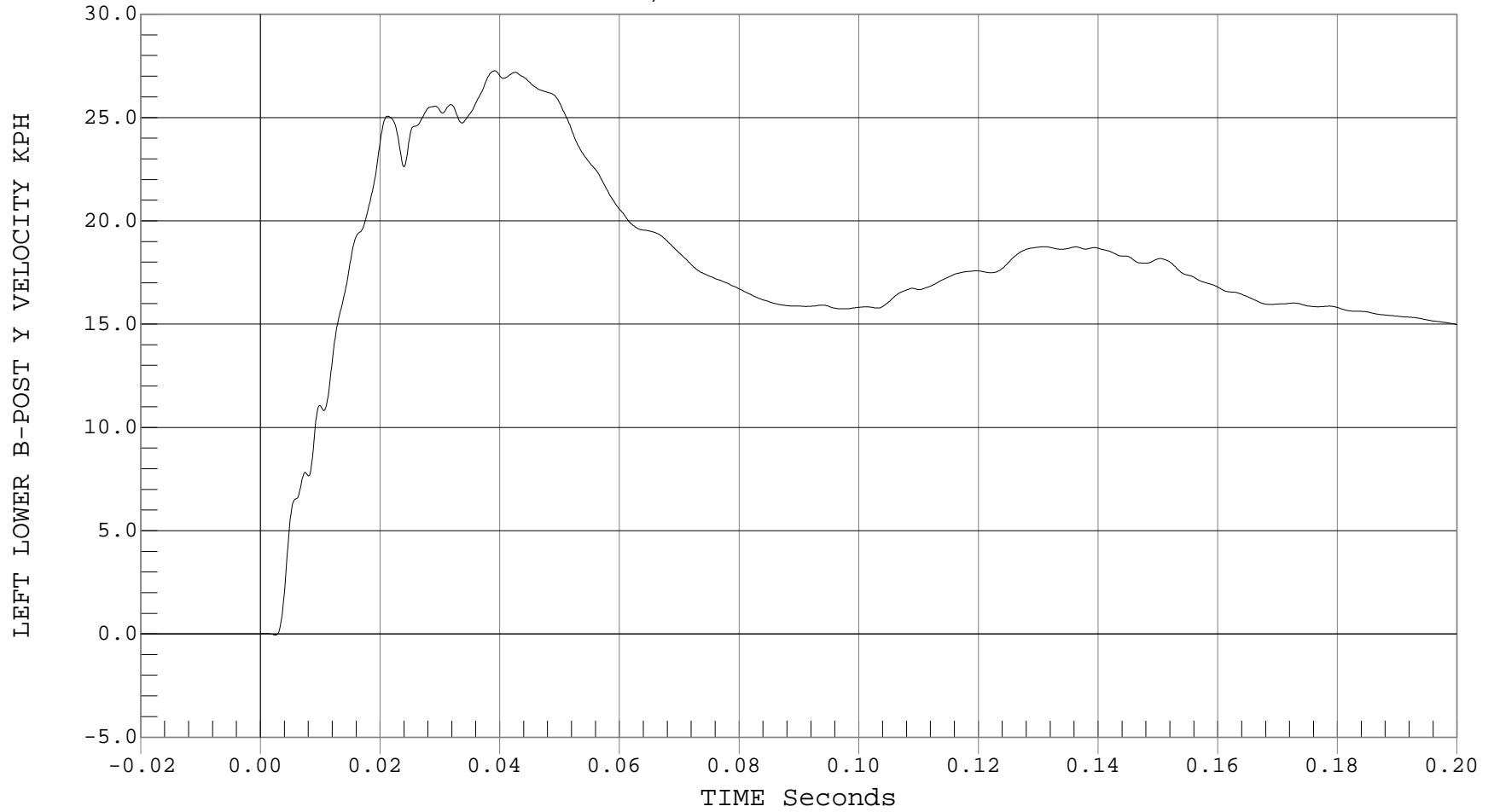
LEFT LOWER B-POST Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT LOWER B-POST Y VELOCITY, B00093AI.V29

Ymin = -.05 KPH @ 0.0025 Seconds, Ymax = 27.27 KPH @ 0.0391 Seconds





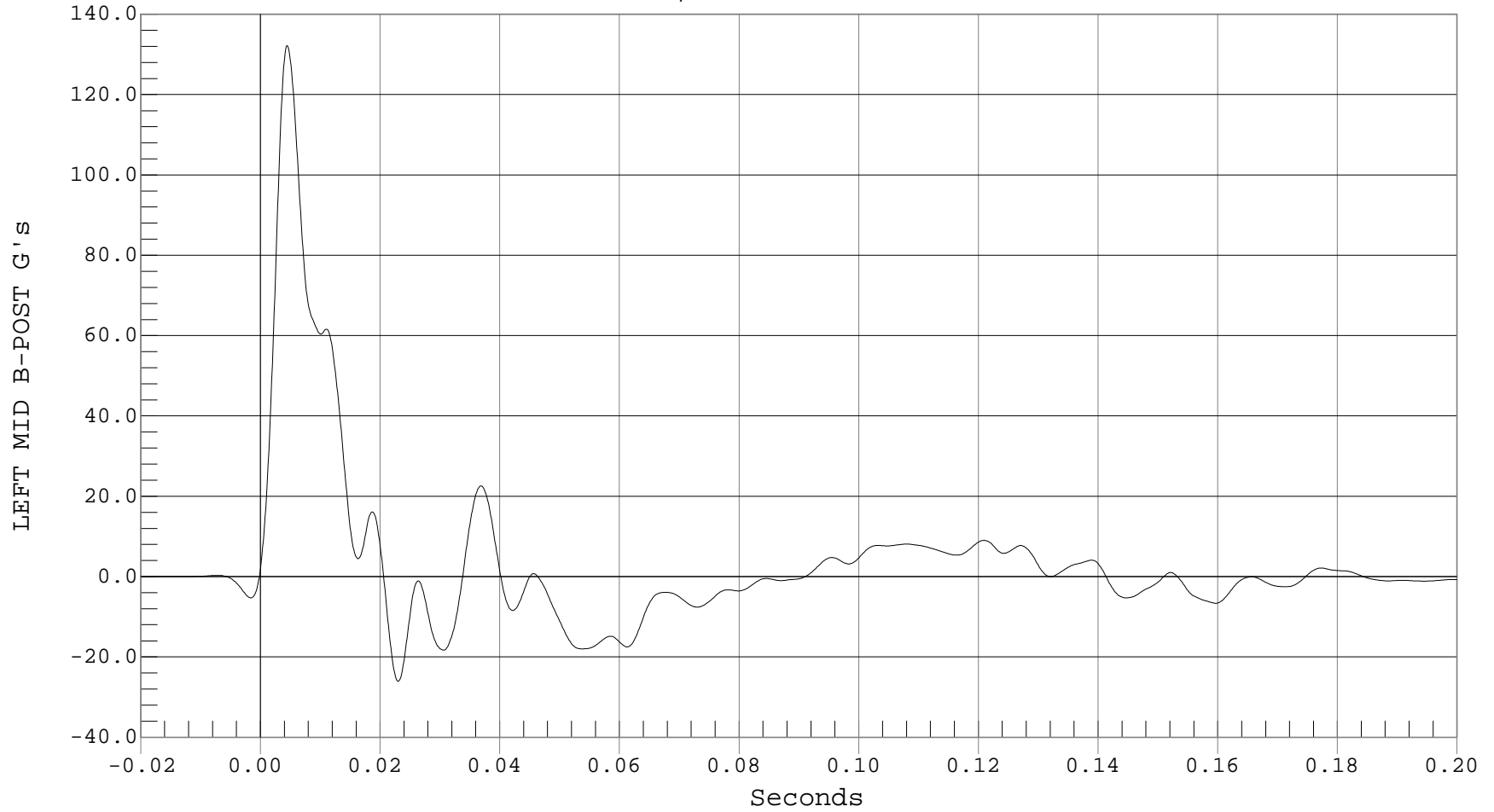
LEFT MID B-POST Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 LEFT MID B-POST, B00093AF.A28

Ymin = -26.05 G's @ 0.0230 Seconds, Ymax = 132.18 G's @ 0.0045 Seconds



B-70



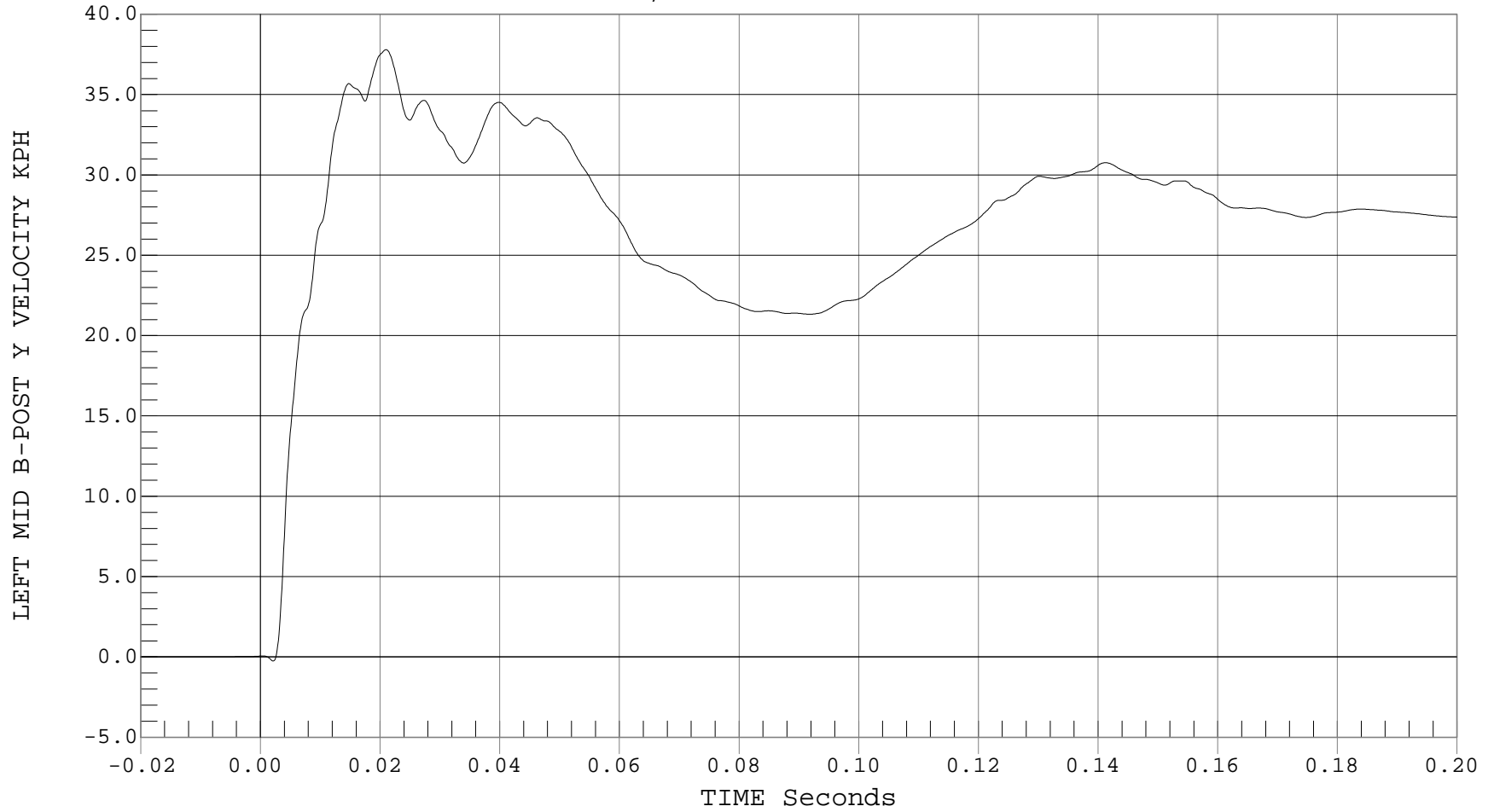
LEFT MID B-POST Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT MID B-POST Y VELOCITY, B00093AI.V28

Ymin = -.25 KPH @ 0.0021 Seconds, Ymax = 37.8 KPH @ 0.0210 Seconds





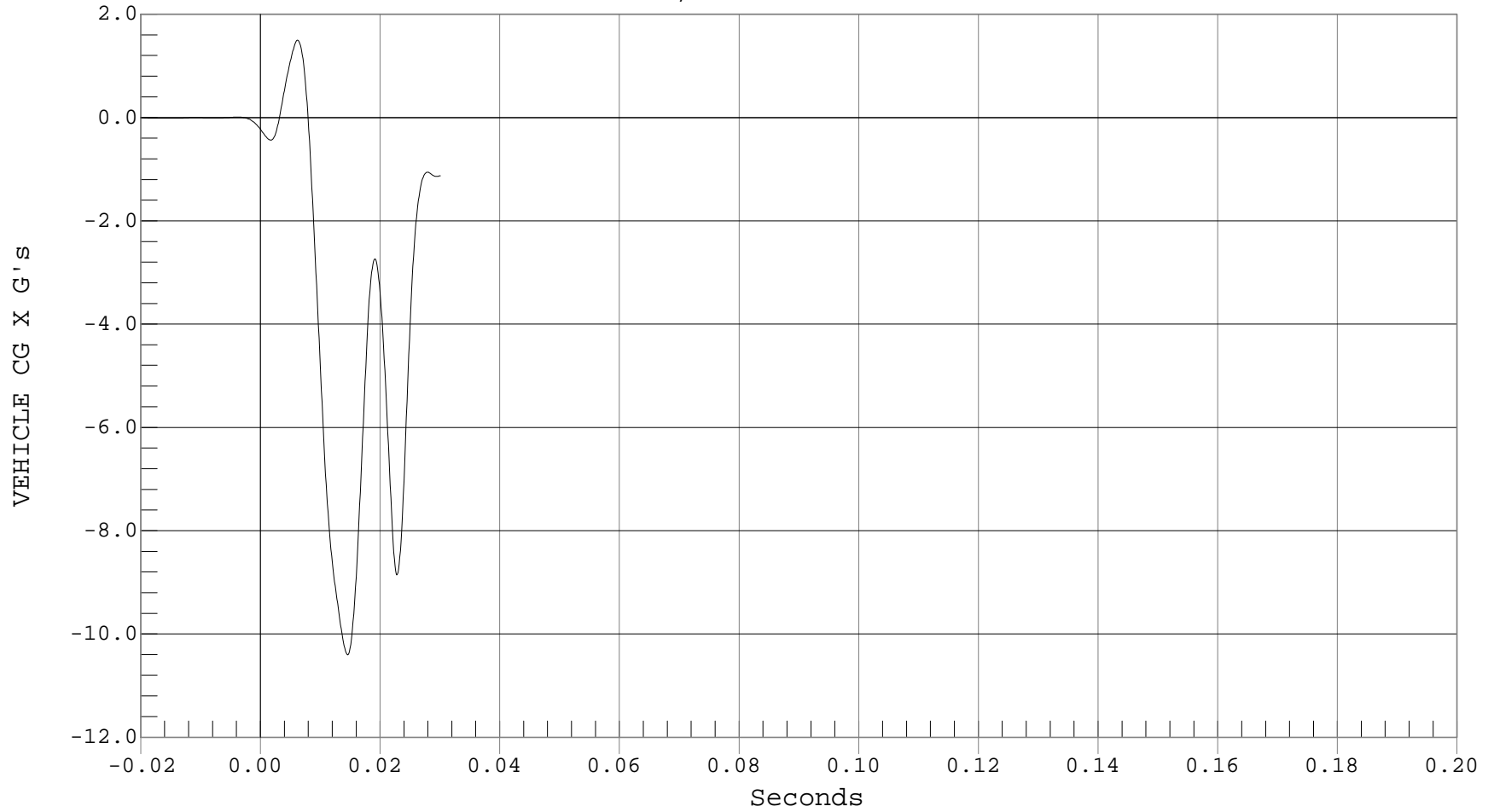
VEHICLE CG X ACCELERATION (QD AFTER 30 MSEC)

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 VEHICLE CG X, B00093AF.A33

Ymin = -10.41 G's @ 0.0146 Seconds, Ymax = 1.5 G's @ 0.0062 Seconds





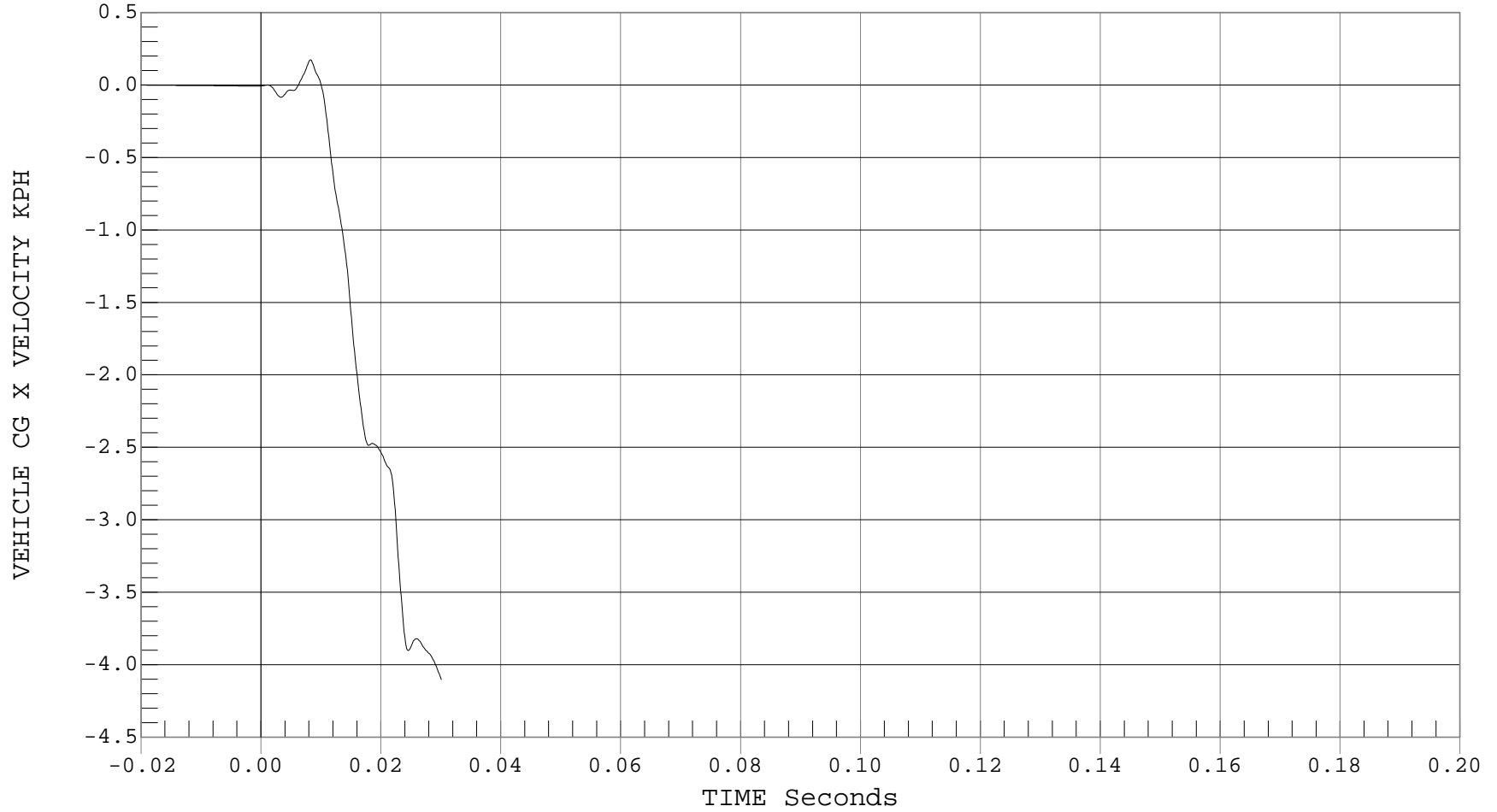
VEHICLE CG X VELOCITY (QD AFTER 30 MSEC)

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 VEHICLE CG X VELOCITY, B00093AI.V33

Ymin = -4.1 KPH @ 0.0301 Seconds, Ymax = .17 KPH @ 0.0083 Seconds





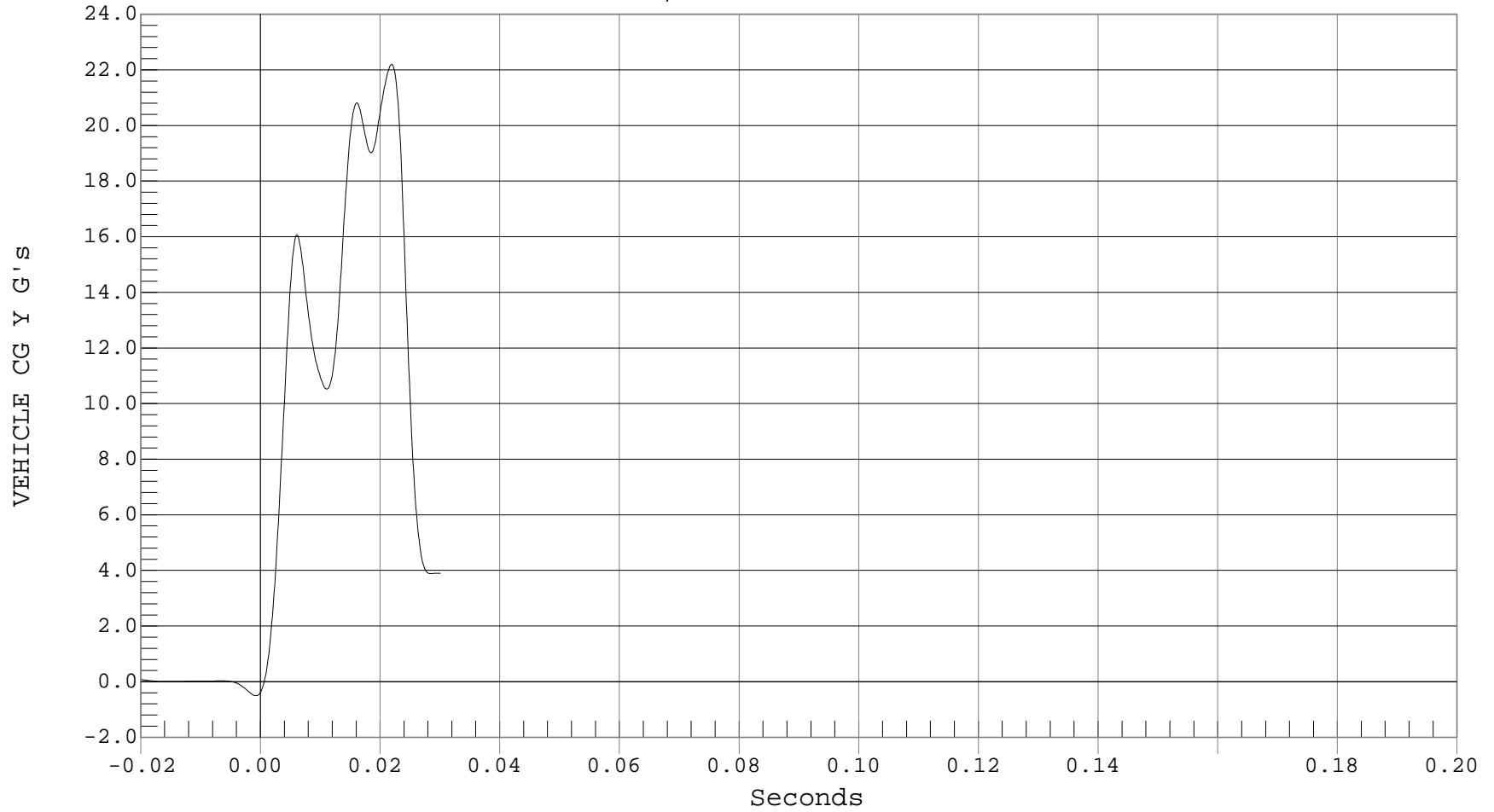
VEHICLE CG Y ACCELERATION (QD AFTER 30 MSEC)

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 VEHICLE CG Y, B00093AF.A34

Ymin = -0.51 G's @ -0.0007 Seconds, Ymax = 22.2 G's @ 0.0219 Seconds





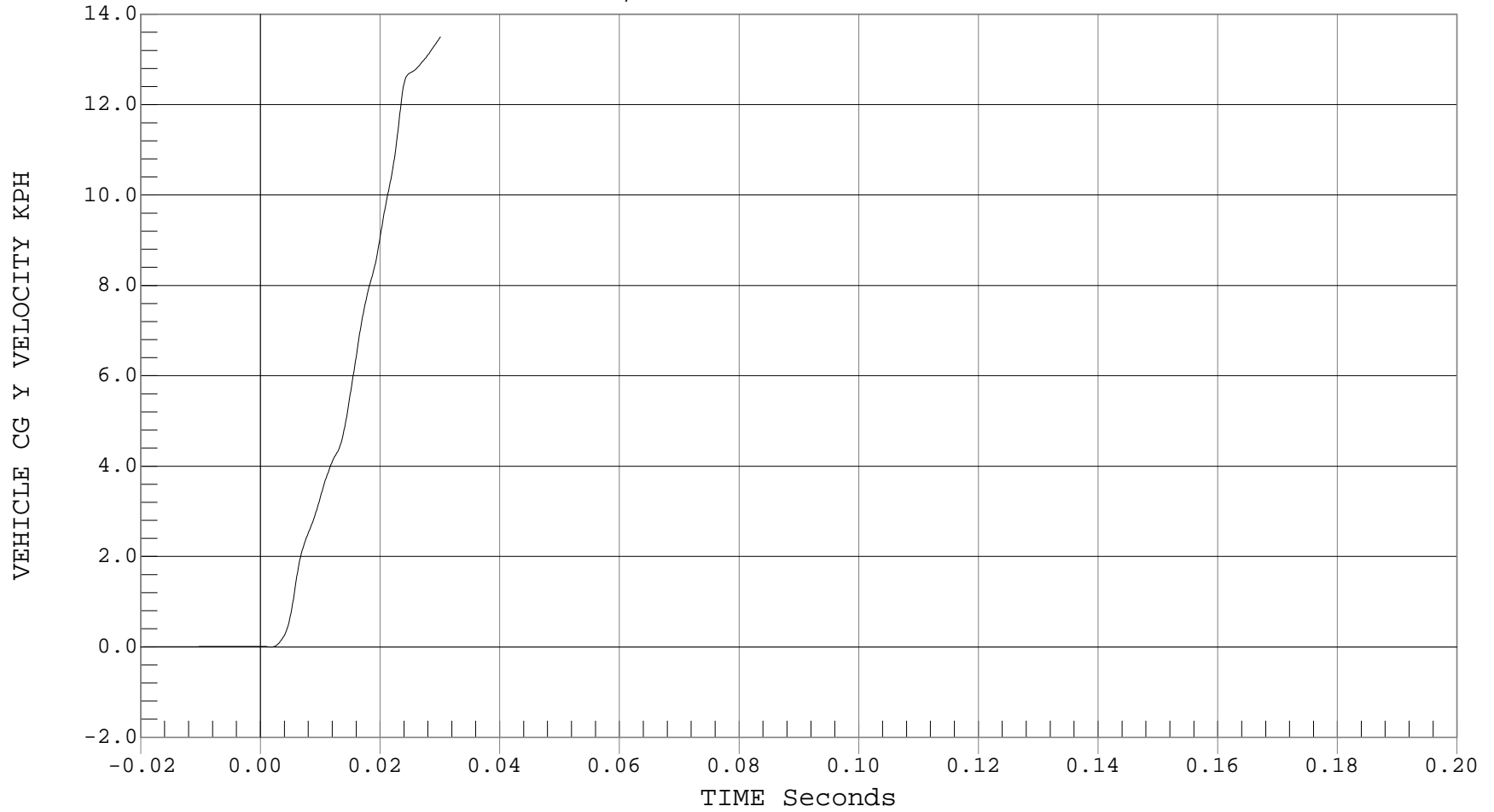
VEHICLE CG Y VELOCITY (QD AFTER 30 MSEC)

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 VEHICLE CG Y VELOCITY, B00093AI.V34

Ymin = 0 KPH @ 0.0018 Seconds, Ymax = 13.5 KPH @ 0.0301 Seconds





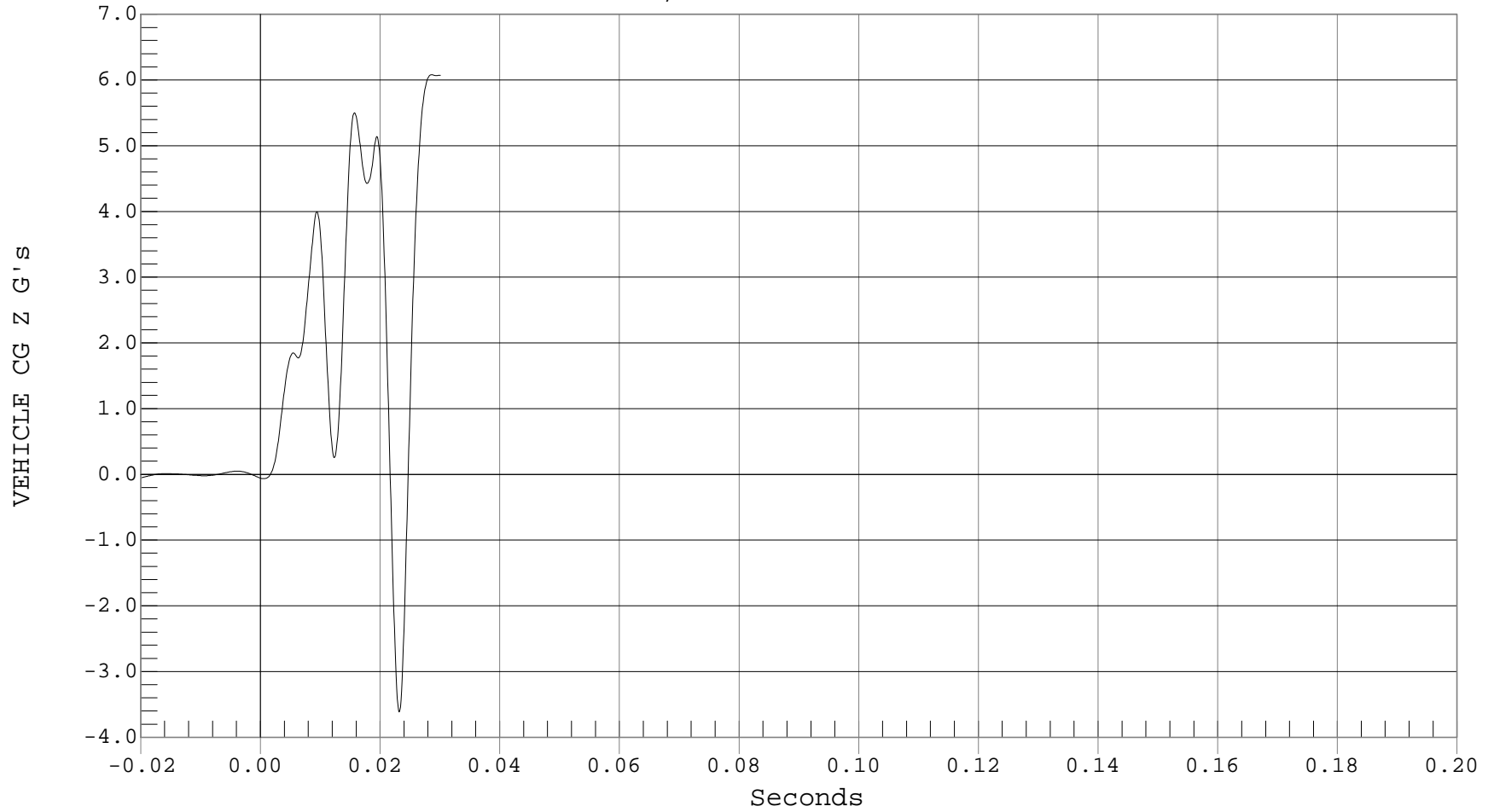
VEHICLE CG Z ACCELERATION (QD AFTER 30 MSEC)

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 VEHICLE CG Z, B00093AF.A35

Ymin = -3.62 G's @ 0.0232 Seconds, Ymax = 6.08 G's @ 0.0286 Seconds





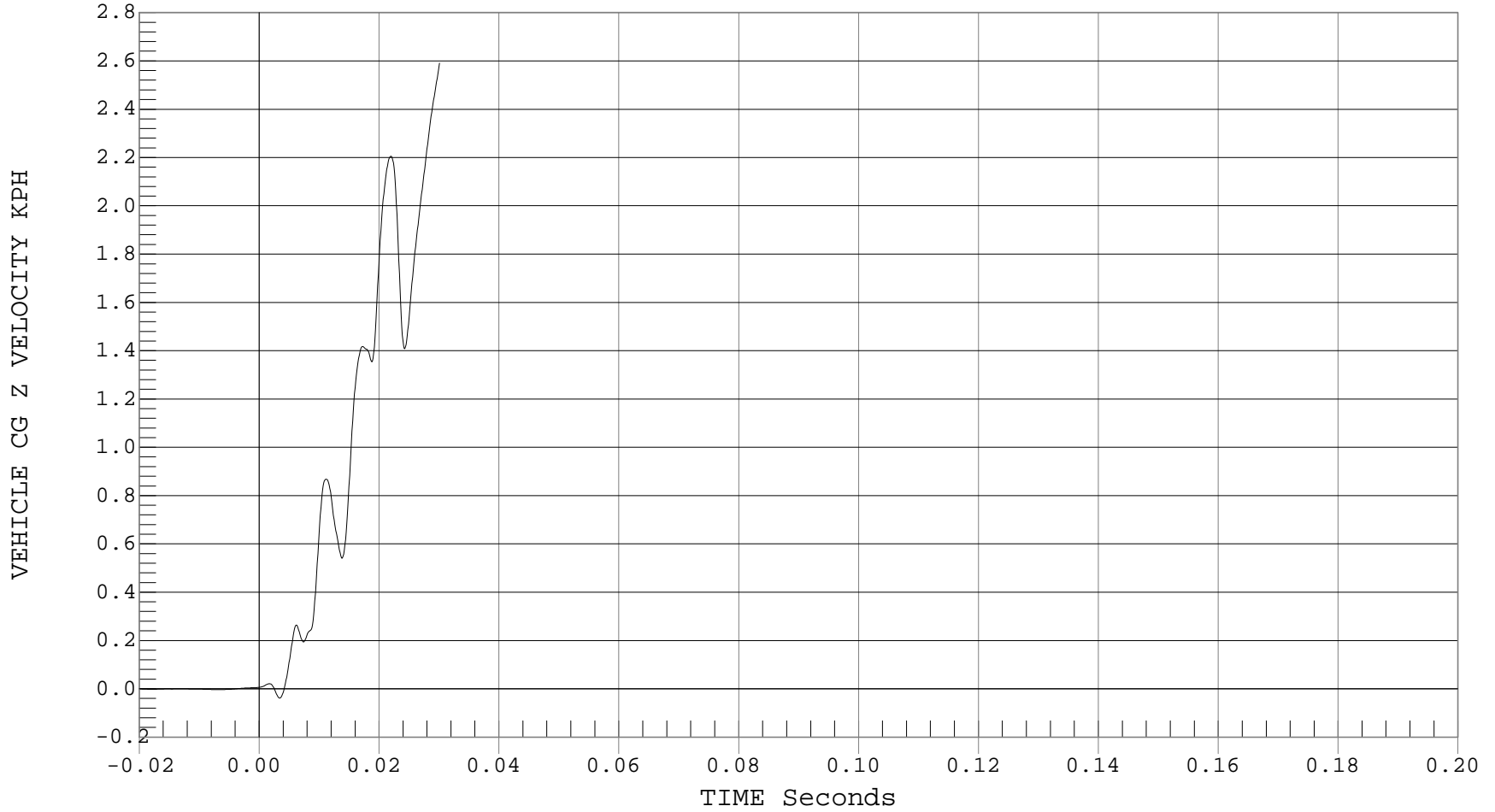
VEHICLE CG Z VELOCITY (QD AFTER 30 MSEC)

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 VEHICLE CG Z VELOCITY, B00093AI.V35

Ymin = -.04 KPH @ 0.0034 Seconds, Ymax = 2.59 KPH @ 0.0301 Seconds





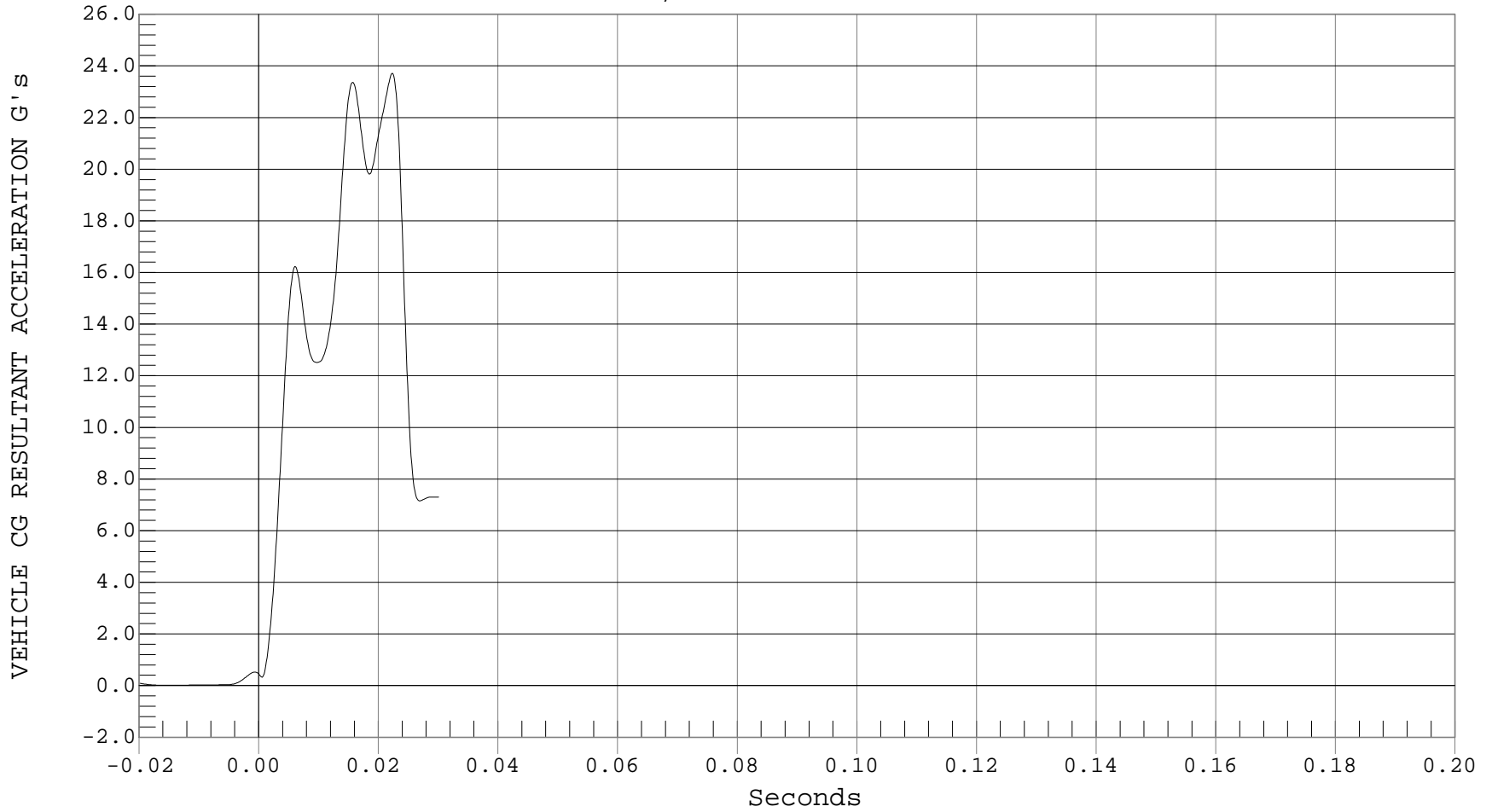
VEHICLE CG RESULTANT ACCELERATION (QD AFTER 30 MSEC)

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 VEHICLE CG RESULTANT ACCELERATION, B00093AV.A33

Ymin = .02 G's @ -0.0130 Seconds, Ymax = 23.71 G's @ 0.0223 Seconds





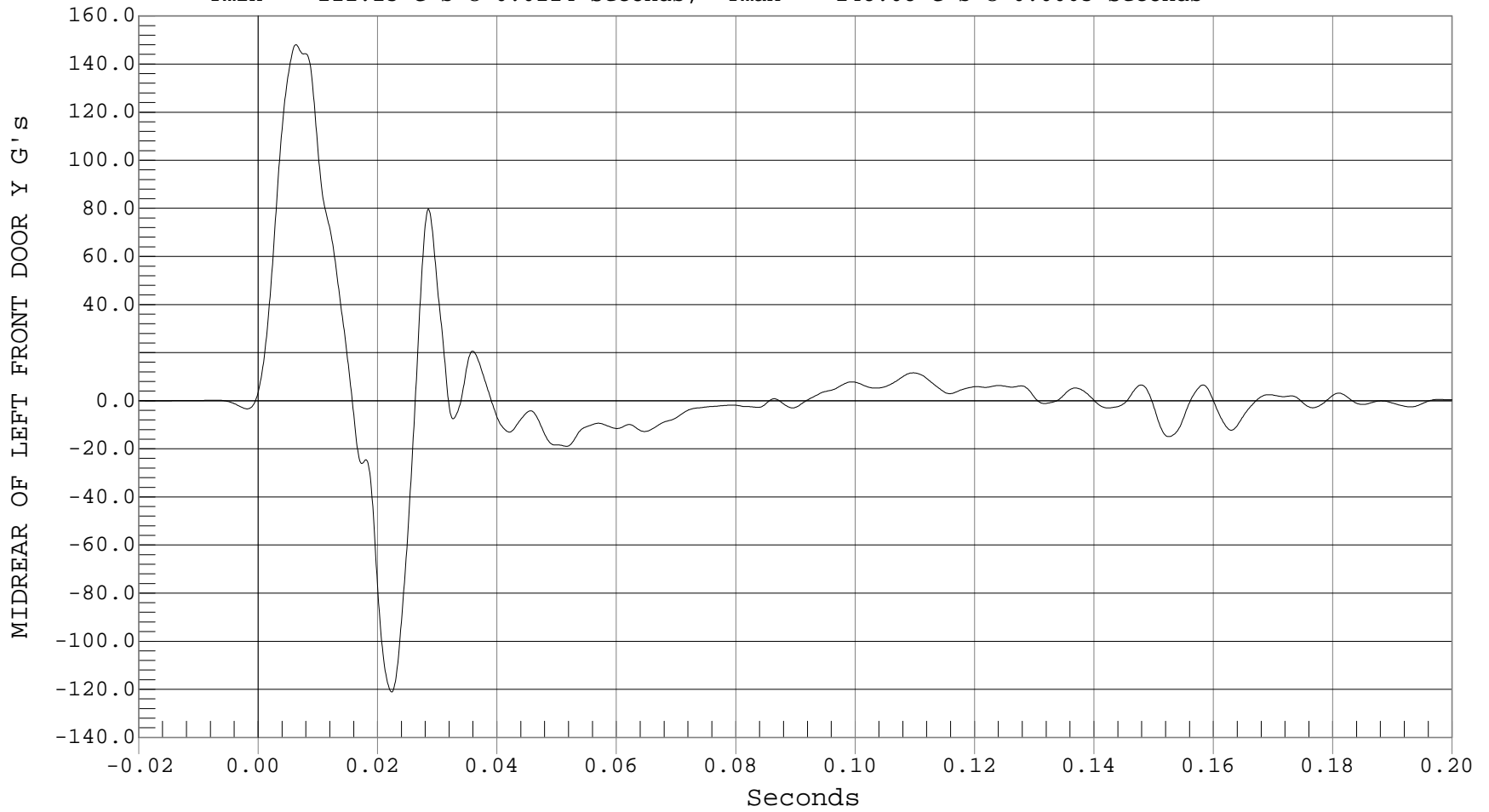
LEFT FRONT DOOR MIDREAR Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 MIDREAR OF LEFT FRONT DOOR Y, B00093AF.A37

Ymin = -121.13 G's @ 0.0224 Seconds, Ymax = 148.08 G's @ 0.0063 Seconds





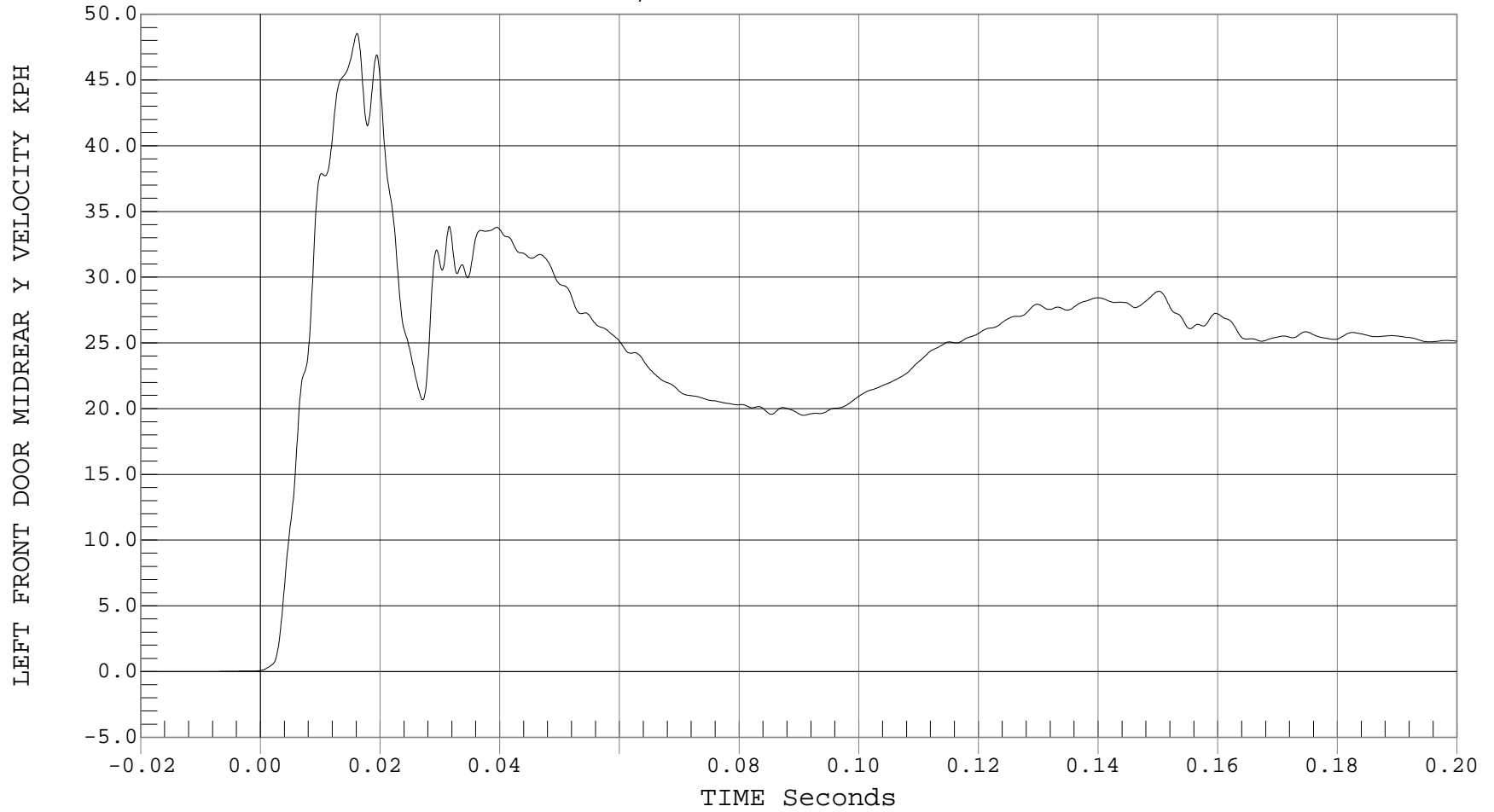
LEFT FRONT DOOR MIDREAR Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT FRONT DOOR MIDREAR Y VELOCITY, B00093AI.V37

Ymin = 0 KPH @ -0.0144 Seconds, Ymax = 48.53 KPH @ 0.0161 Seconds





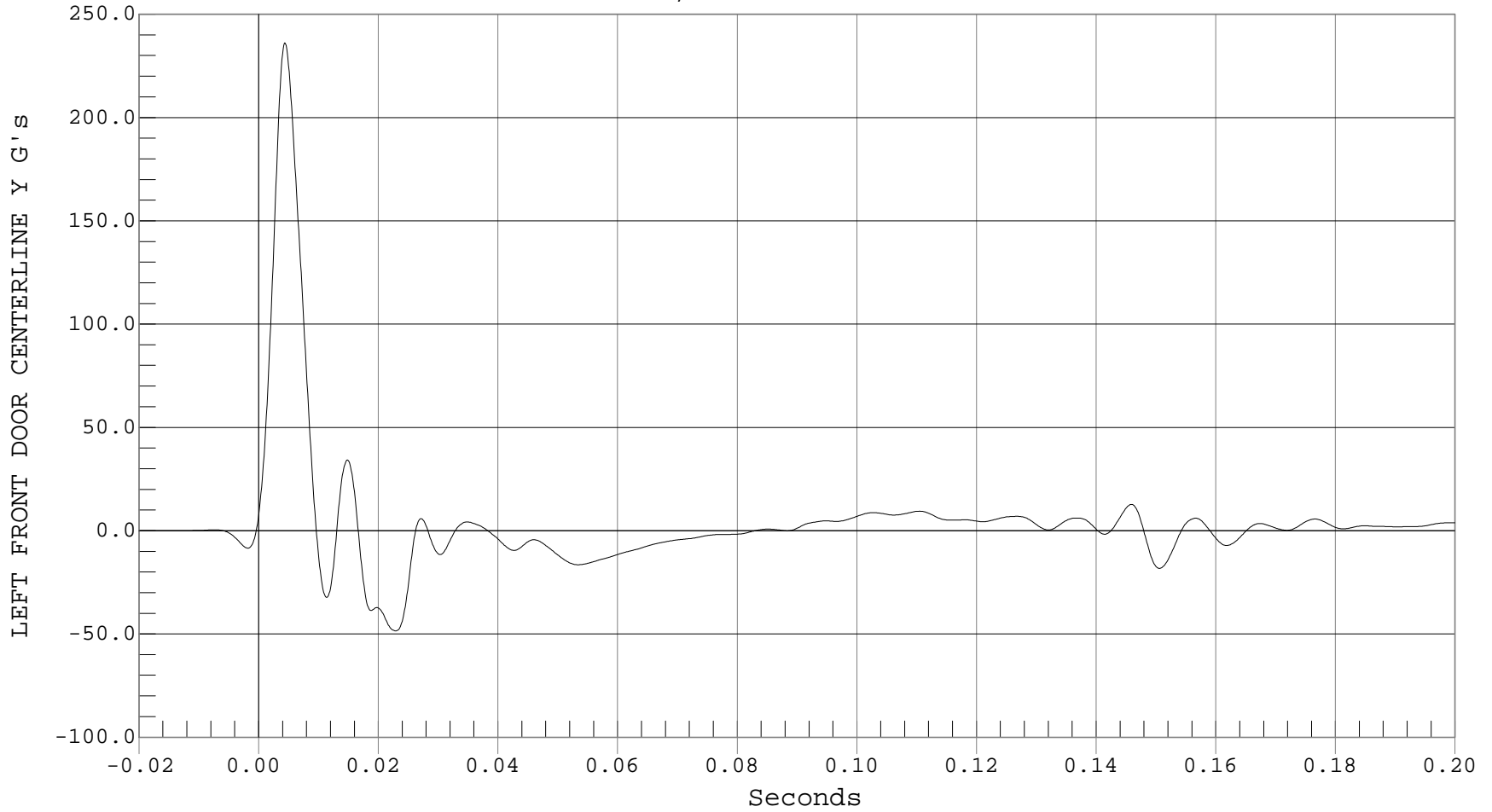
LEFT FRONT DOOR CENTERLINE Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 LEFT FRONT DOOR CENTERLINE Y, B00093AF.A36

Ymin = -48.45 G's @ 0.0229 Seconds, Ymax = 236.18 G's @ 0.0044 Seconds





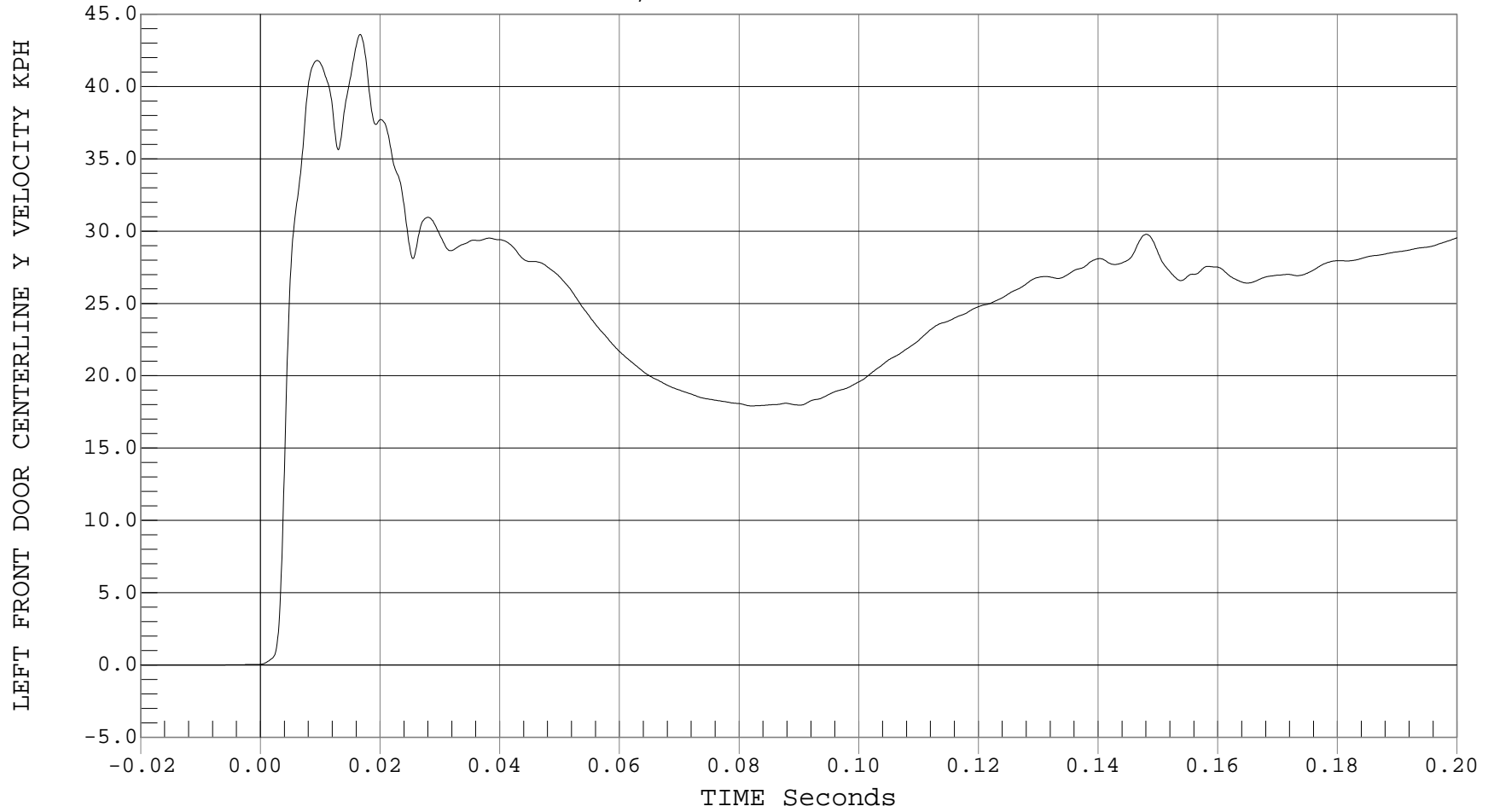
LEFT FRONT DOOR CENTERLINE Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT FRONT DOOR CENTERLINE Y VELOCITY, B00093AI.V36

Ymin = 0 KPH @ -0.0178 Seconds, Ymax = 43.6 KPH @ 0.0167 Seconds





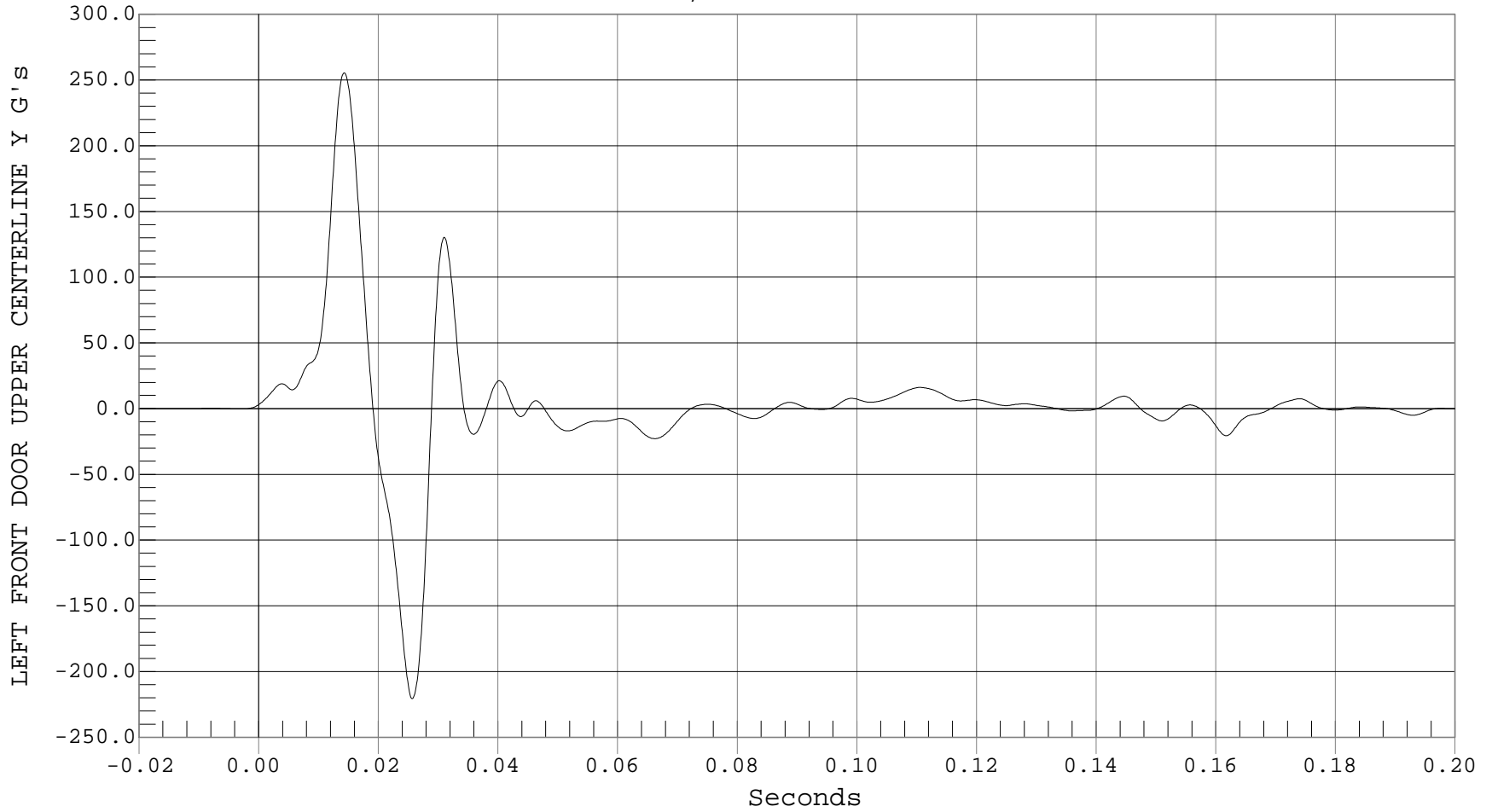
LEFT FRONT DOOR UPPER CENTERLINE Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 LEFT FRONT DOOR UPPER CENTERLINE Y, B00093AF.A38

Ymin = -220.69 G's @ 0.0257 Seconds, Ymax = 255.42 G's @ 0.0143 Seconds





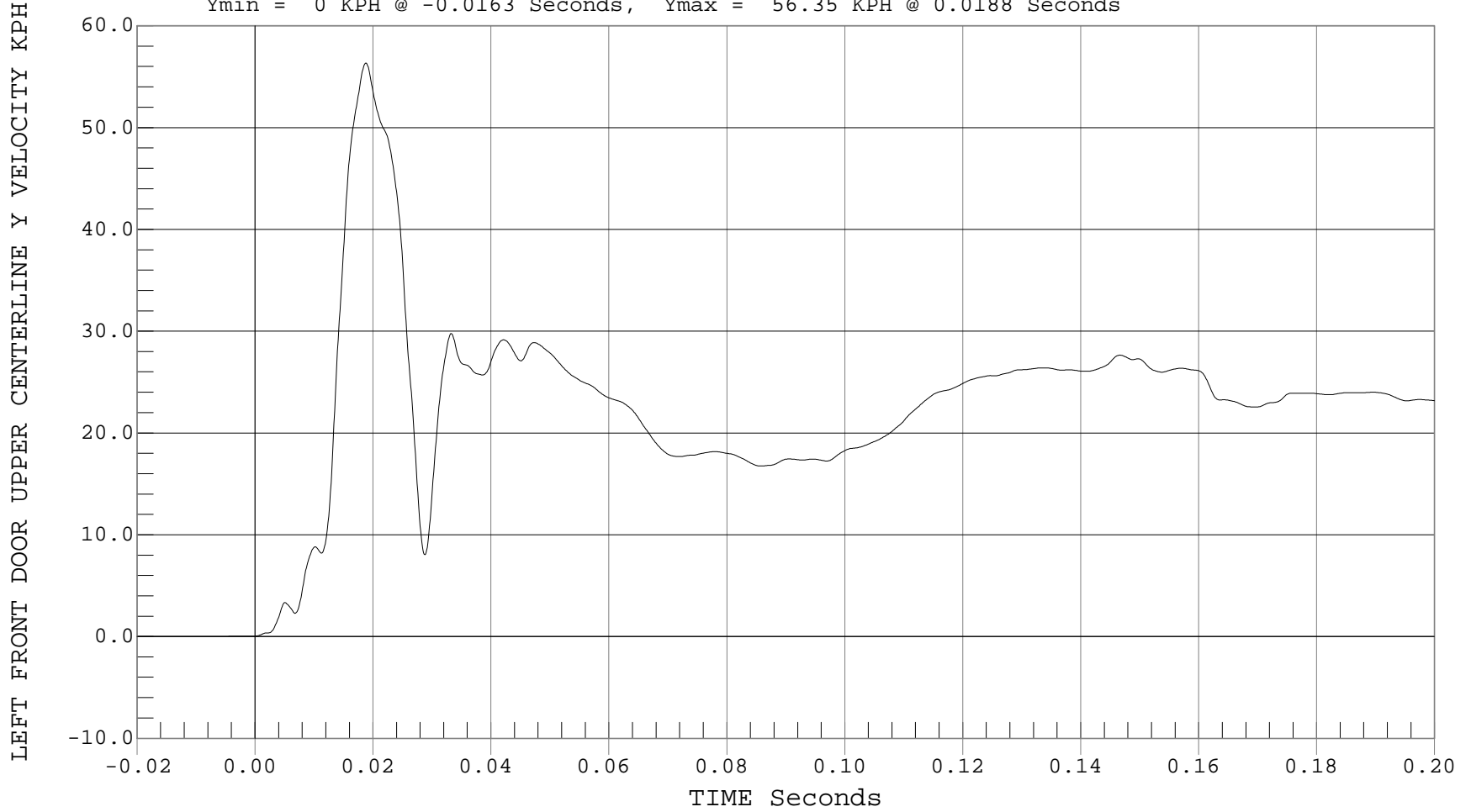
LEFT FRONT DOOR UPPER CENTERLINE Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT FRONT DOOR UPPER CENTERLINE Y VELOCITY, B00093AI.V38

Ymin = 0 KPH @ -0.0163 Seconds, Ymax = 56.35 KPH @ 0.0188 Seconds





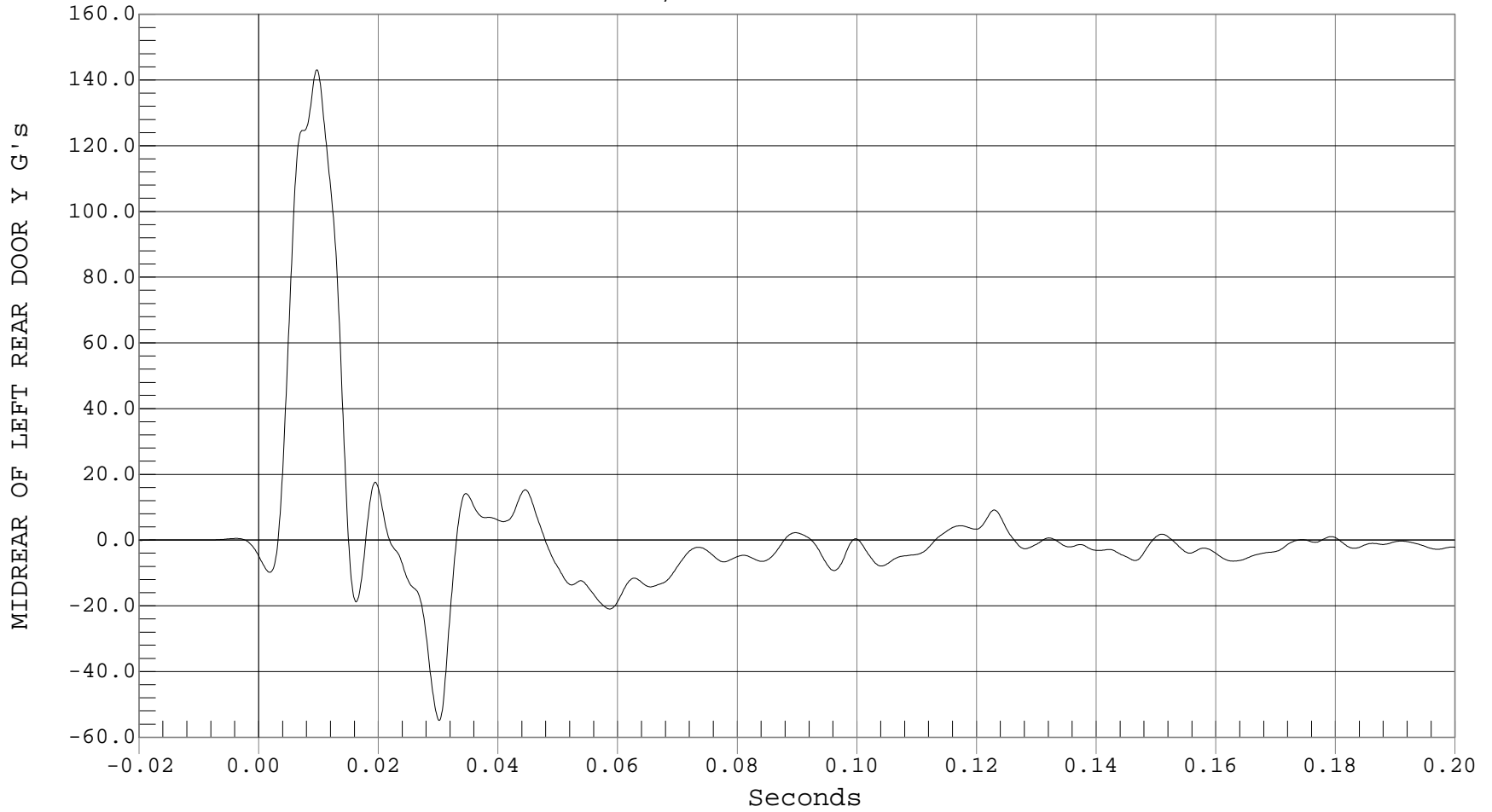
LEFT REAR DOOR MIDREAR Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 MIDREAR OF LEFT REAR DOOR Y, B00093AF.A39

Ymin = -54.9 G's @ 0.0302 Seconds, Ymax = 143.11 G's @ 0.0097 Seconds





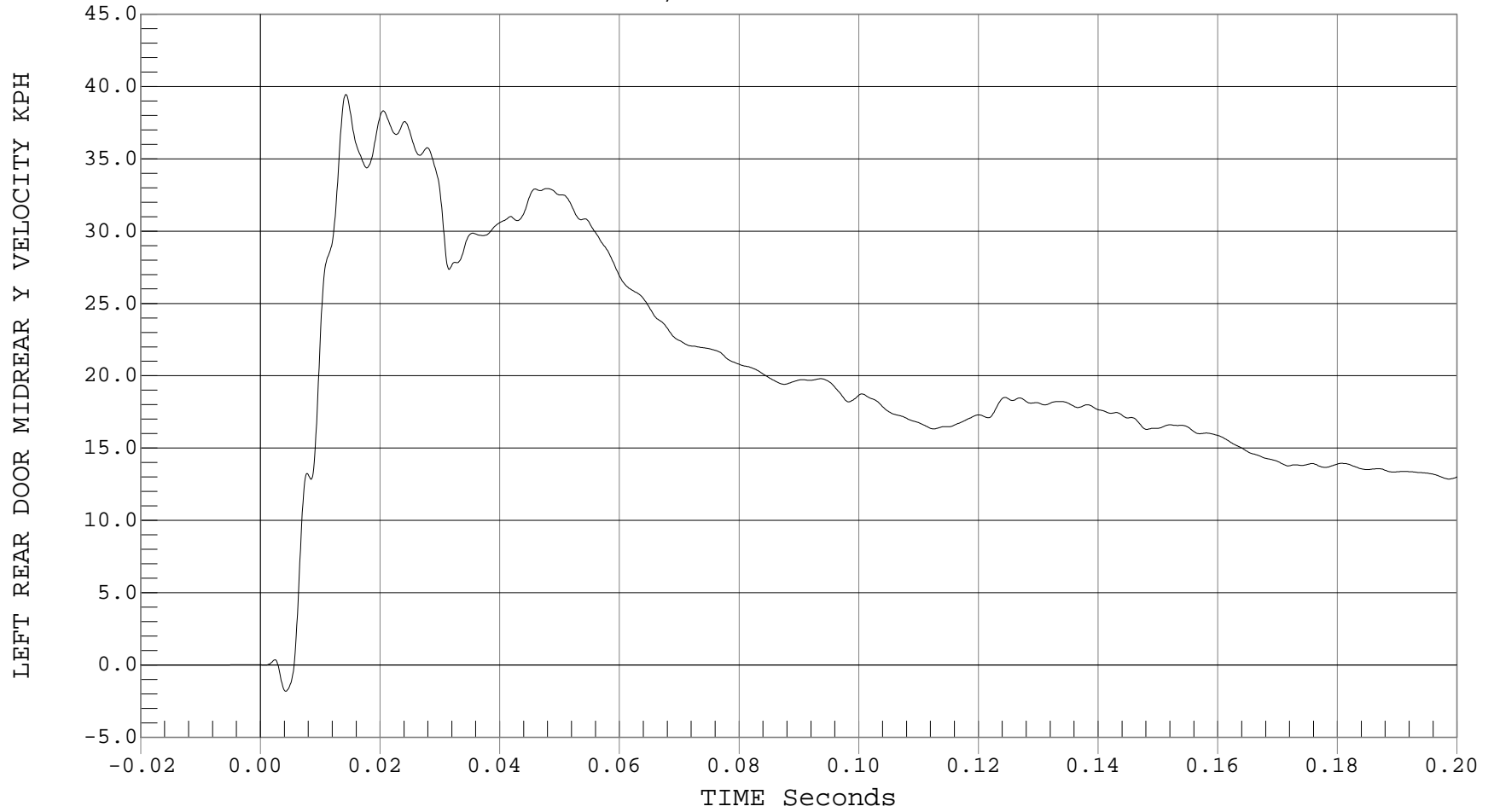
LEFT REAR DOOR MIDREAR Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT REAR DOOR MIDREAR Y VELOCITY, B00093AI.V39

Ymin = -1.82 KPH @ 0.0042 Seconds, Ymax = 39.45 KPH @ 0.0143 Seconds





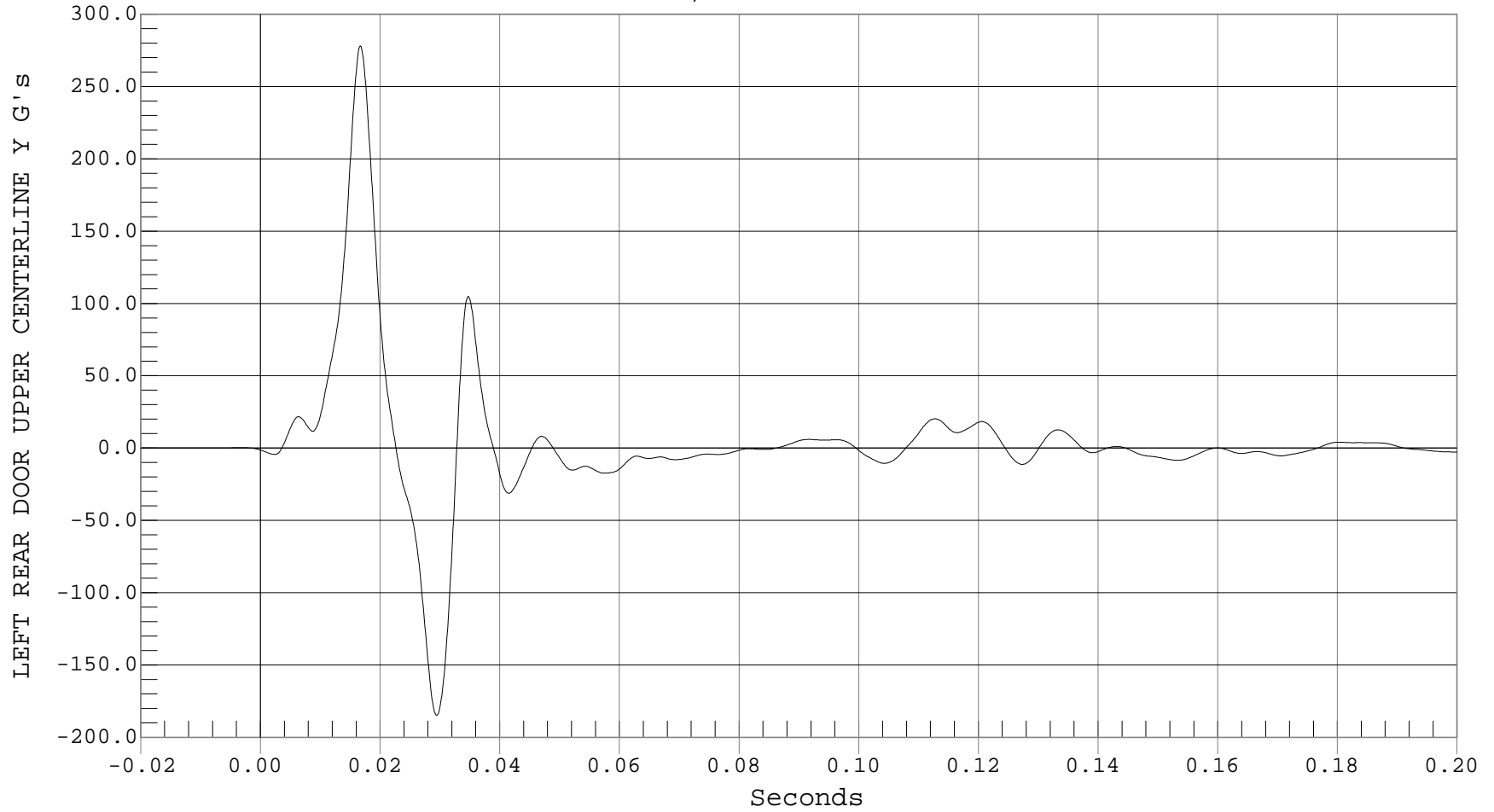
LEFT REAR DOOR UPPER CENTERLINE Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 LEFT REAR DOOR UPPER CENTERLINE Y, B00093AF.A40

Ymin = -184.88 G's @ 0.0295 Seconds, Ymax = 278.17 G's @ 0.0167 Seconds





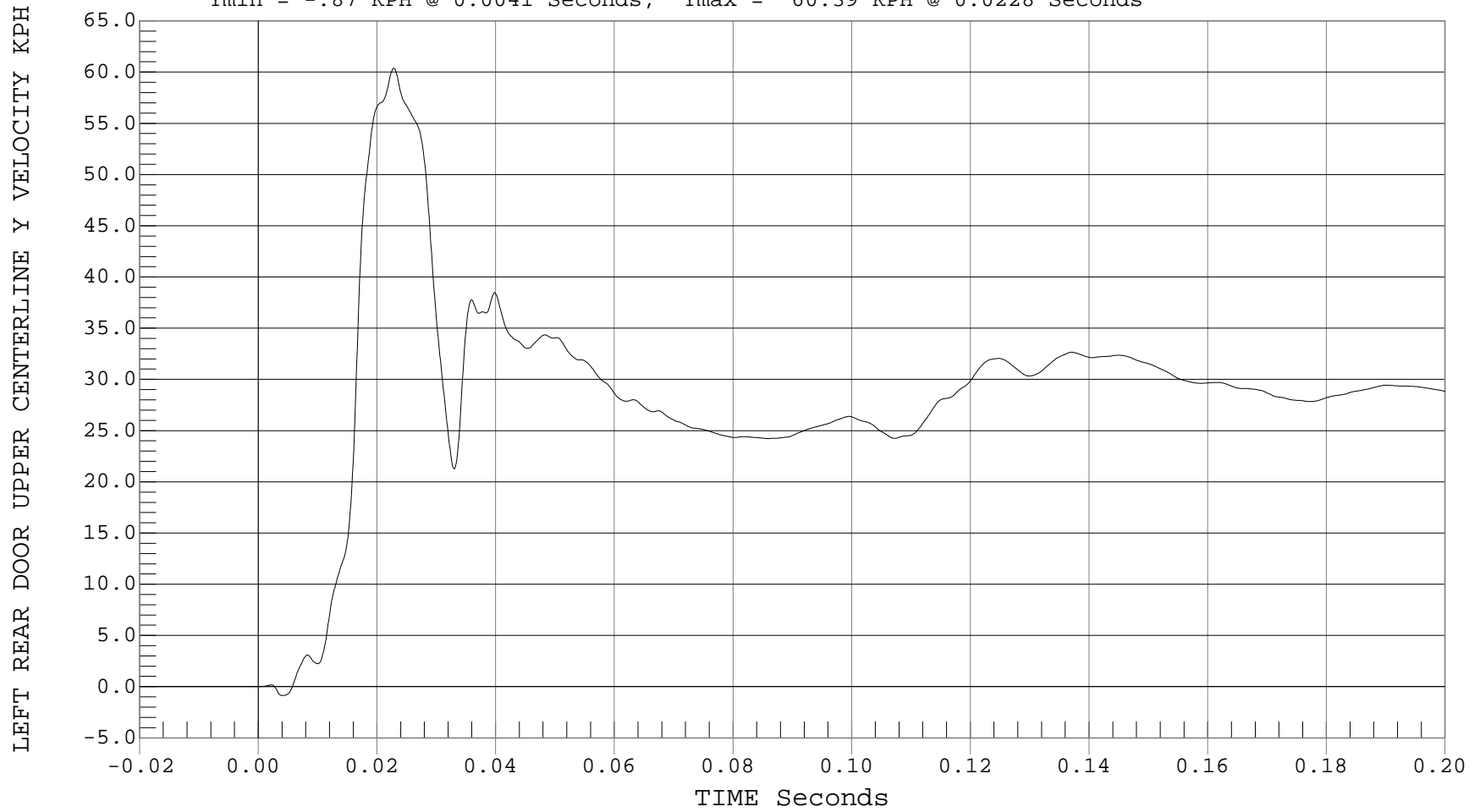
LEFT REAR DOOR UPPER CENTERLINE Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 LEFT REAR DOOR UPPER CENTERLINE Y VELOCITY, B00093AI.V40

Ymin = -.87 KPH @ 0.0041 Seconds, Ymax = 60.39 KPH @ 0.0228 Seconds





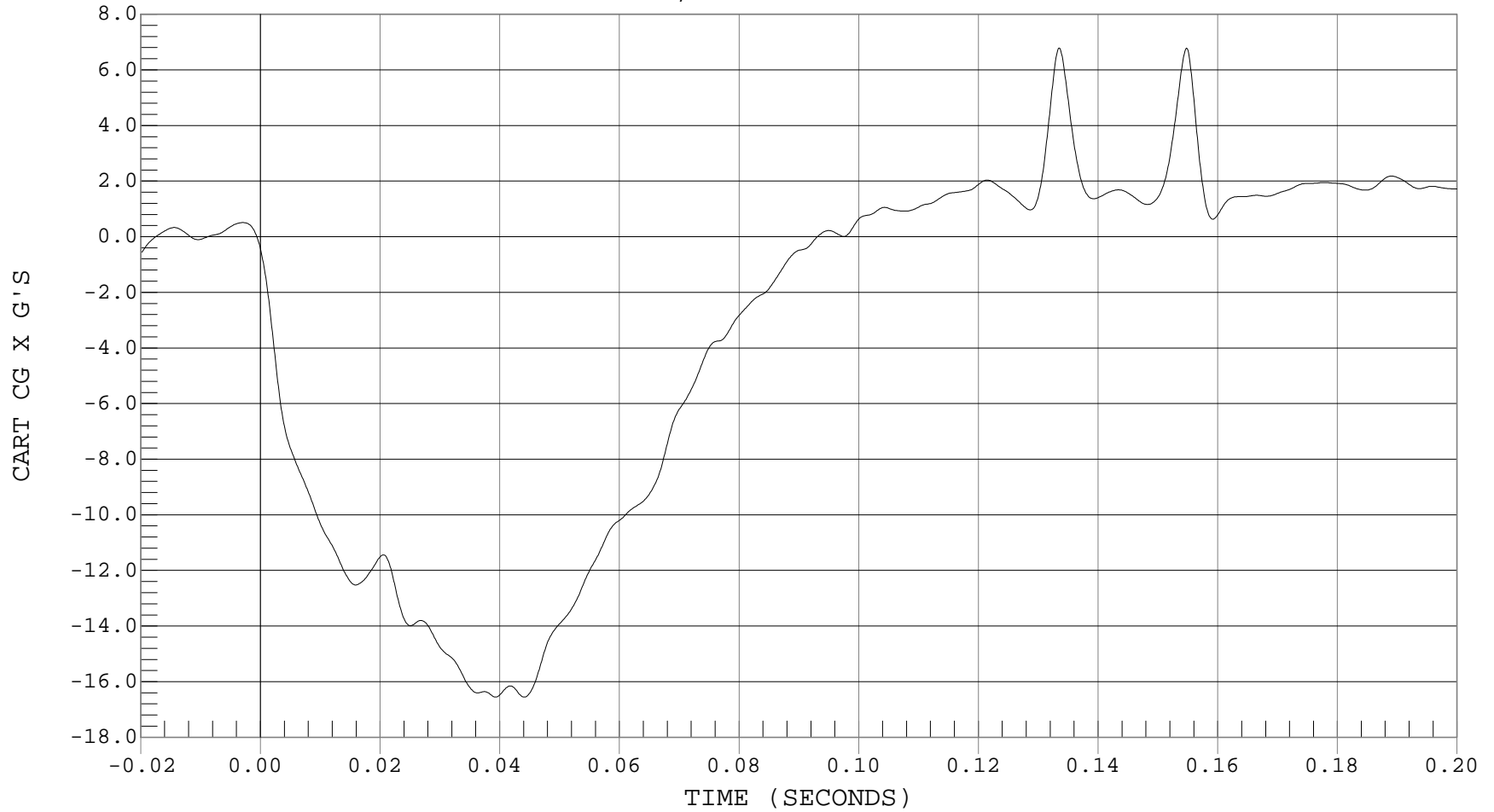
MOVING BARRIER CG X ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 CART CG X, C00093AF.A02

Ymin = -16.56 G'S @ 0.0393 SECONDS, Ymax = 6.79 G'S @ 0.1335 SECONDS





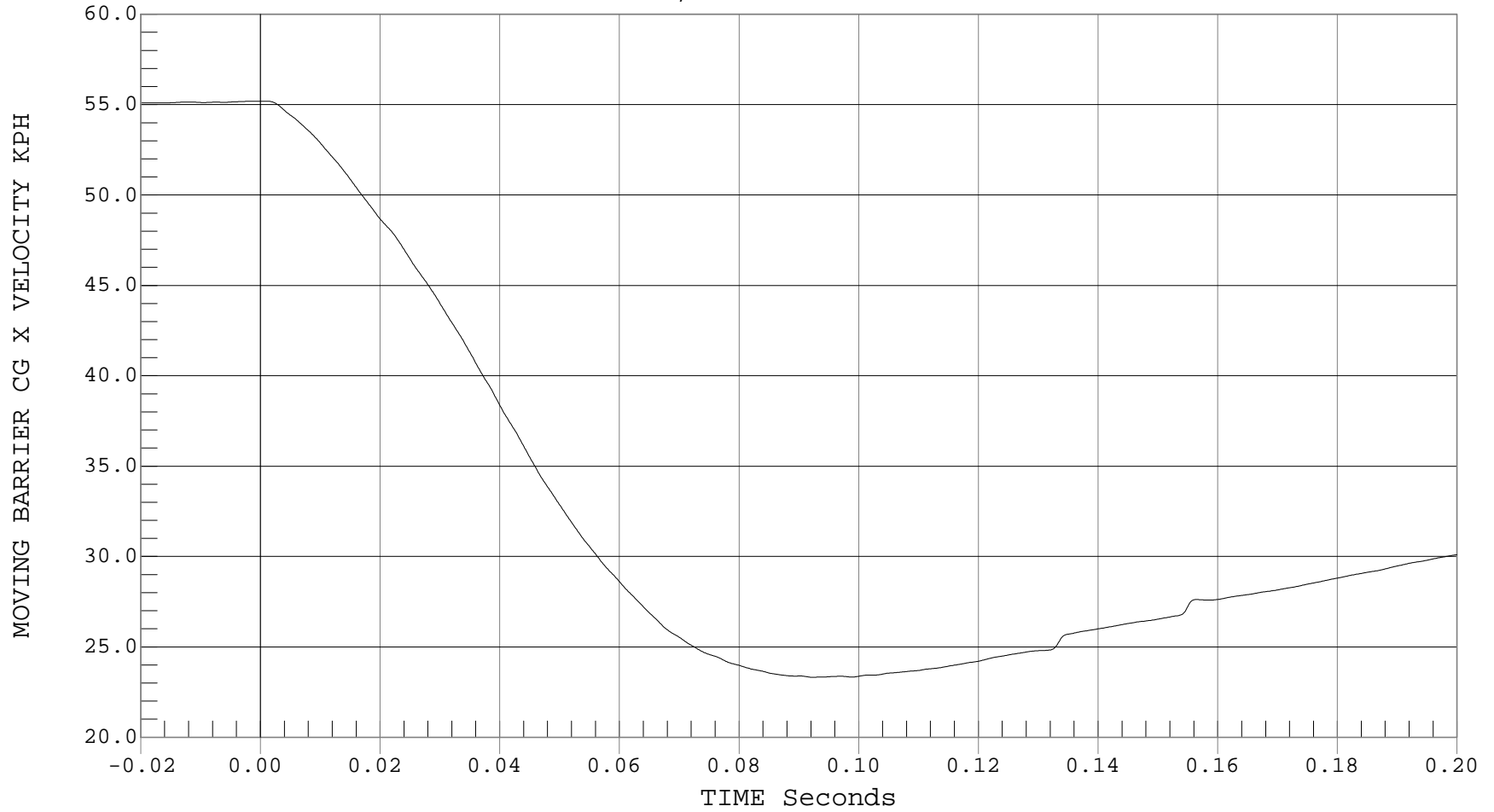
MOVING BARRIER CG X VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 MOVING BARRIER CG X VELOCITY, C00093AI.V02

Ymin = 23.32 KPH @ 0.0923 Seconds, Ymax = 55.19 KPH @ -0.0009 Seconds





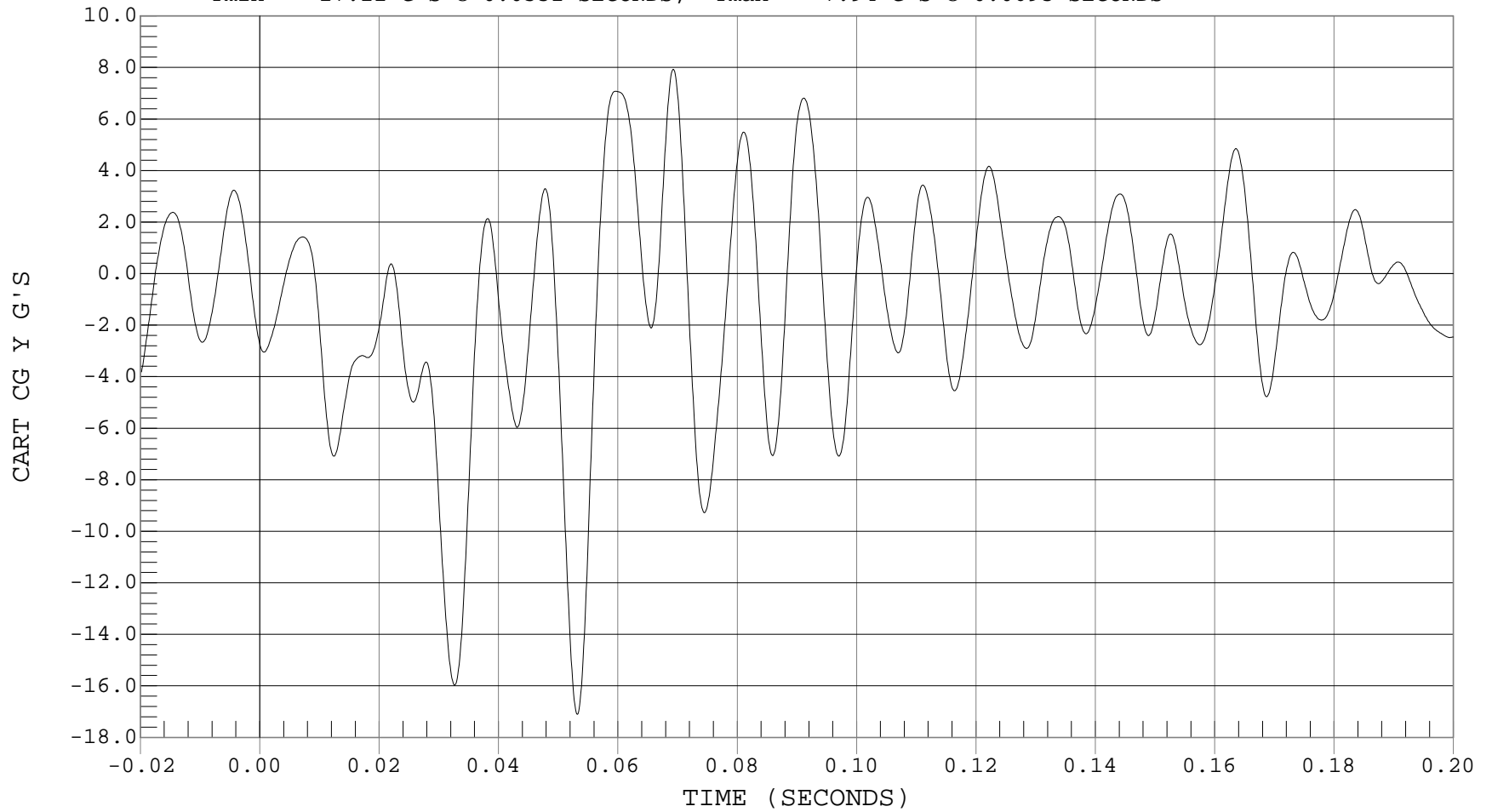
MOVING BARRIER CG Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 CART CG Y, C00093AF.A03

Ymin = -17.11 G'S @ 0.0532 SECONDS, Ymax = 7.94 G'S @ 0.0693 SECONDS



B-91



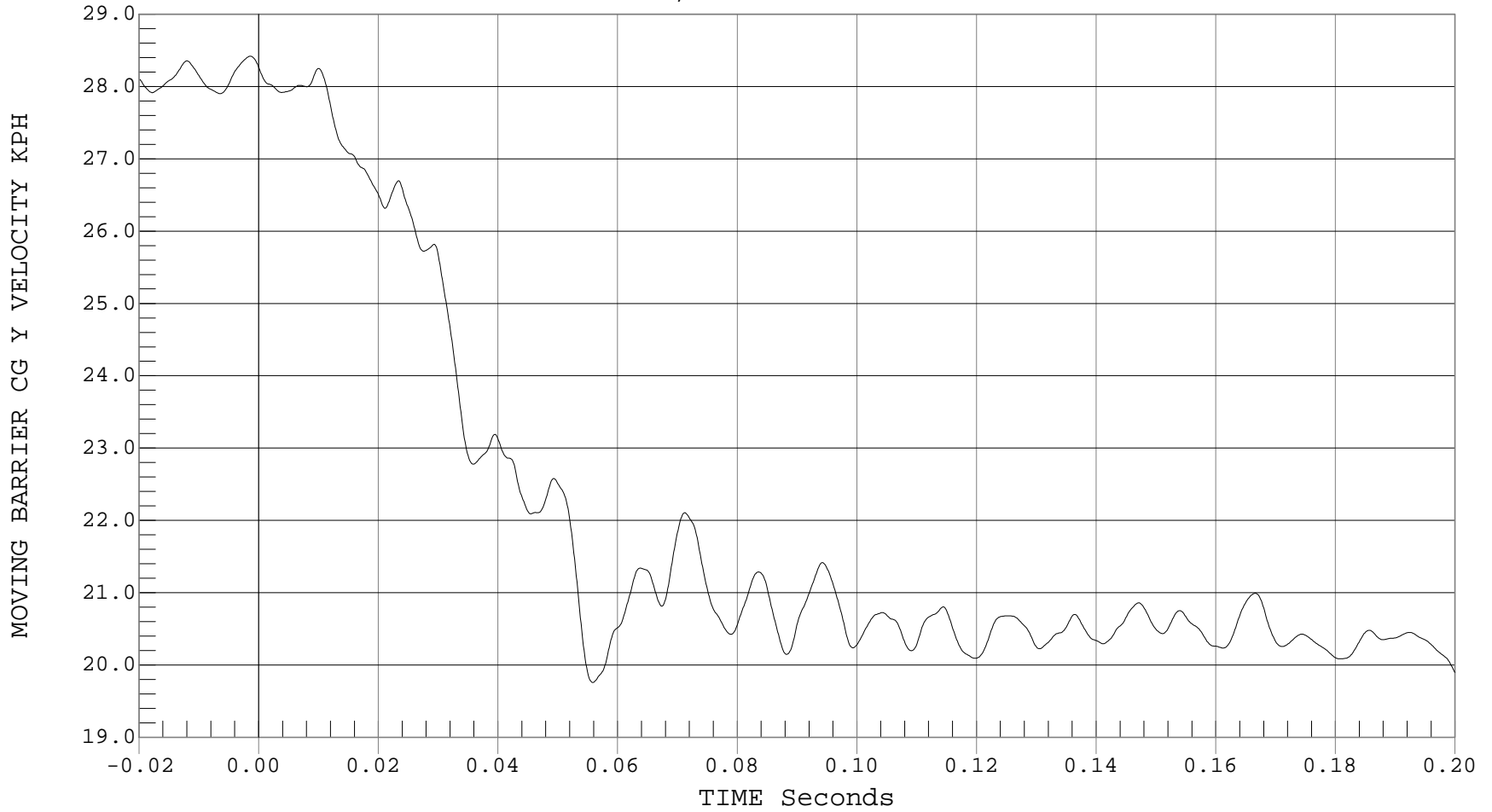
MOVING BARRIER CG Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 MOVING BARRIER CG Y VELOCITY, C00093AI.V03

Ymin = 19.76 KPH @ 0.0559 Seconds, Ymax = 28.42 KPH @ -0.0014 Seconds





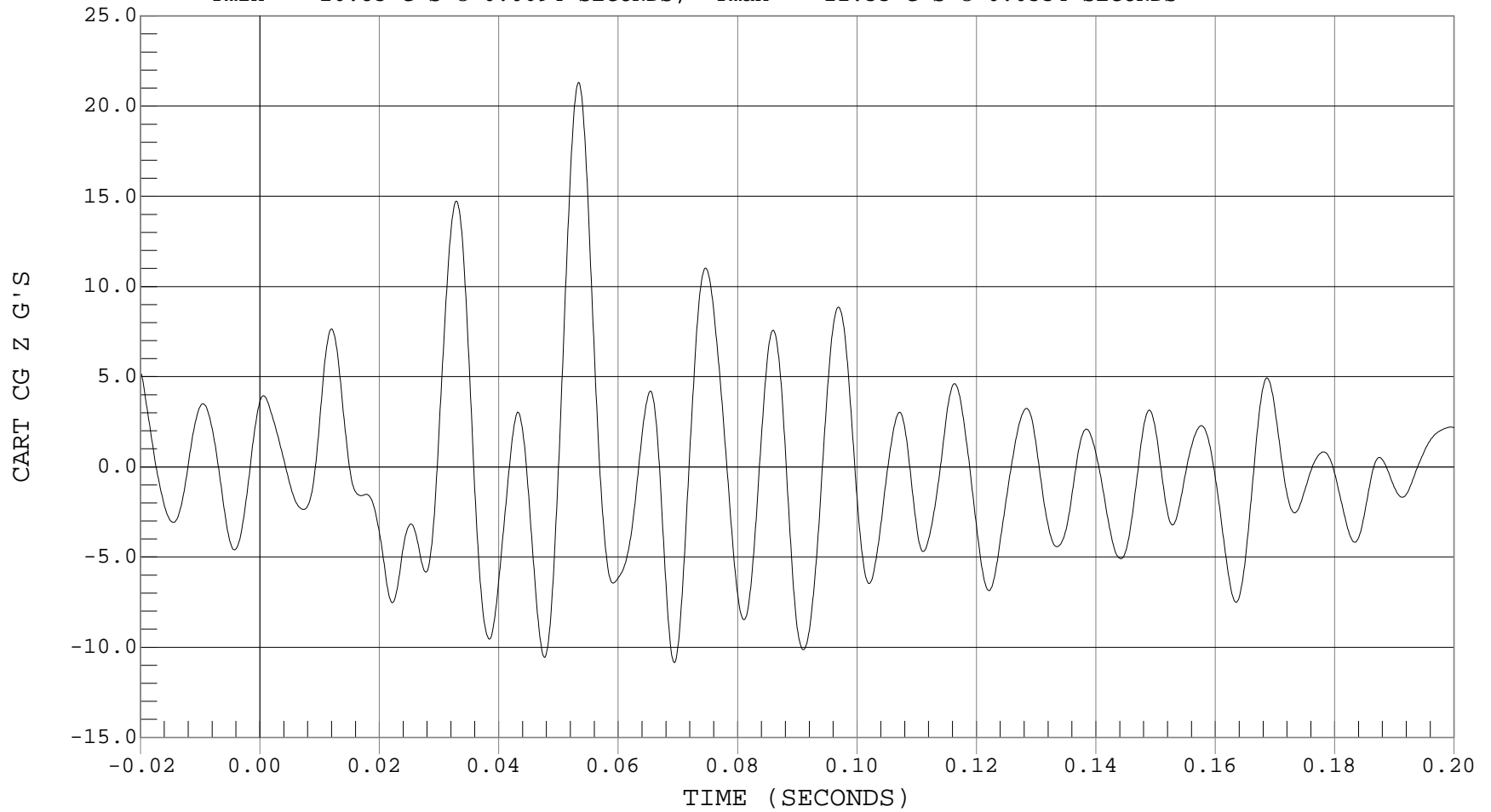
MOVING BARRIER CG Z ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 CART CG Z, C00093AF.A04

Ymin = -10.85 G'S @ 0.0694 SECONDS, Ymax = 21.33 G'S @ 0.0534 SECONDS





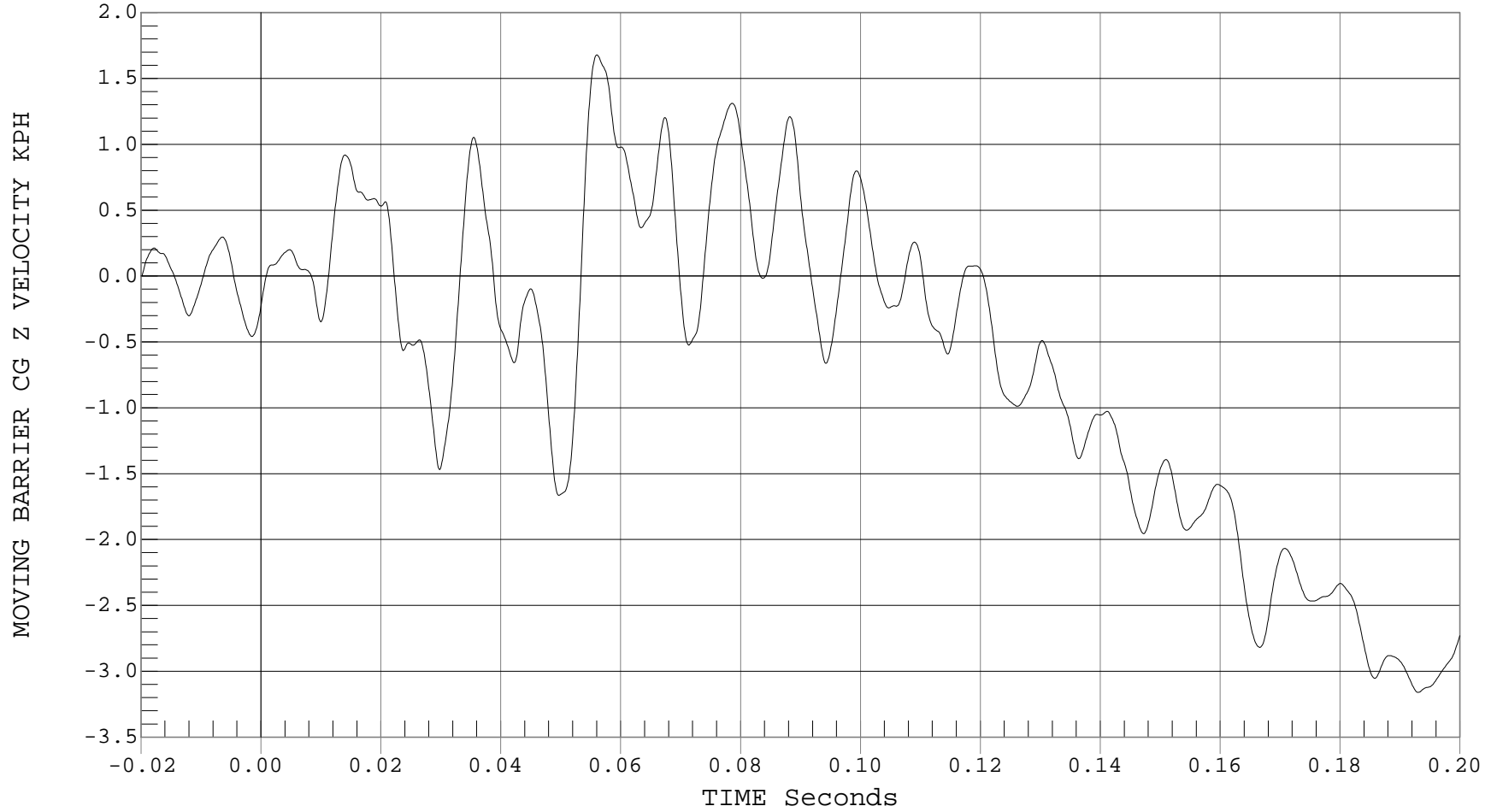
MOVING BARRIER CG Z VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 MOVING BARRIER CG Z VELOCITY, C00093AI.V04

Ymin = -3.16 KPH @ 0.1930 Seconds, Ymax = 1.68 KPH @ 0.0560 Seconds





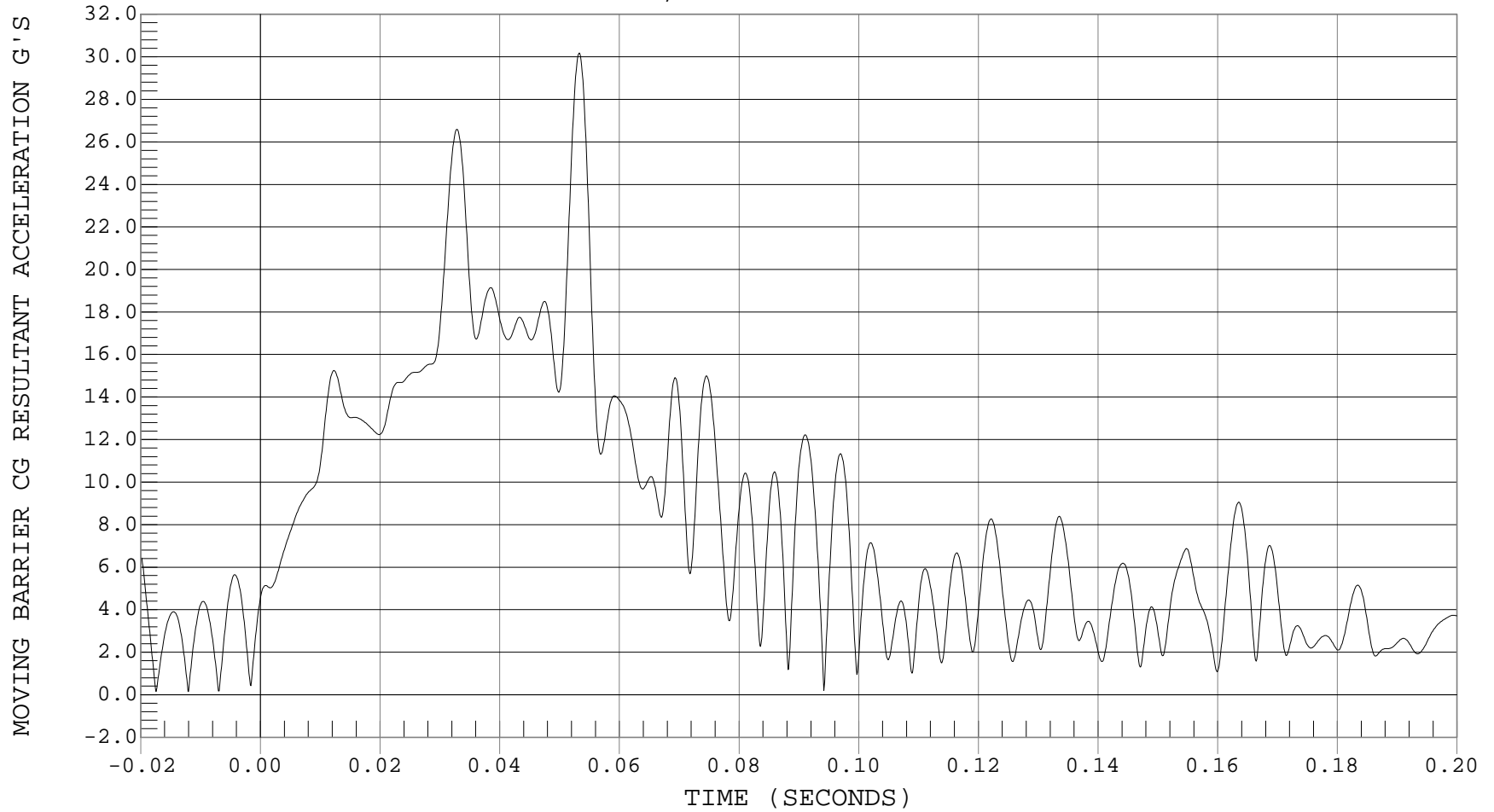
MOVING BARRIER CG RESULTANT ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 MOVING BARRIER CG RESULTANT ACCELERATION, C00093AV.A02

Ymin = .15 G'S @ -0.0174 SECONDS, Ymax = 30.18 G'S @ 0.0533 SECONDS





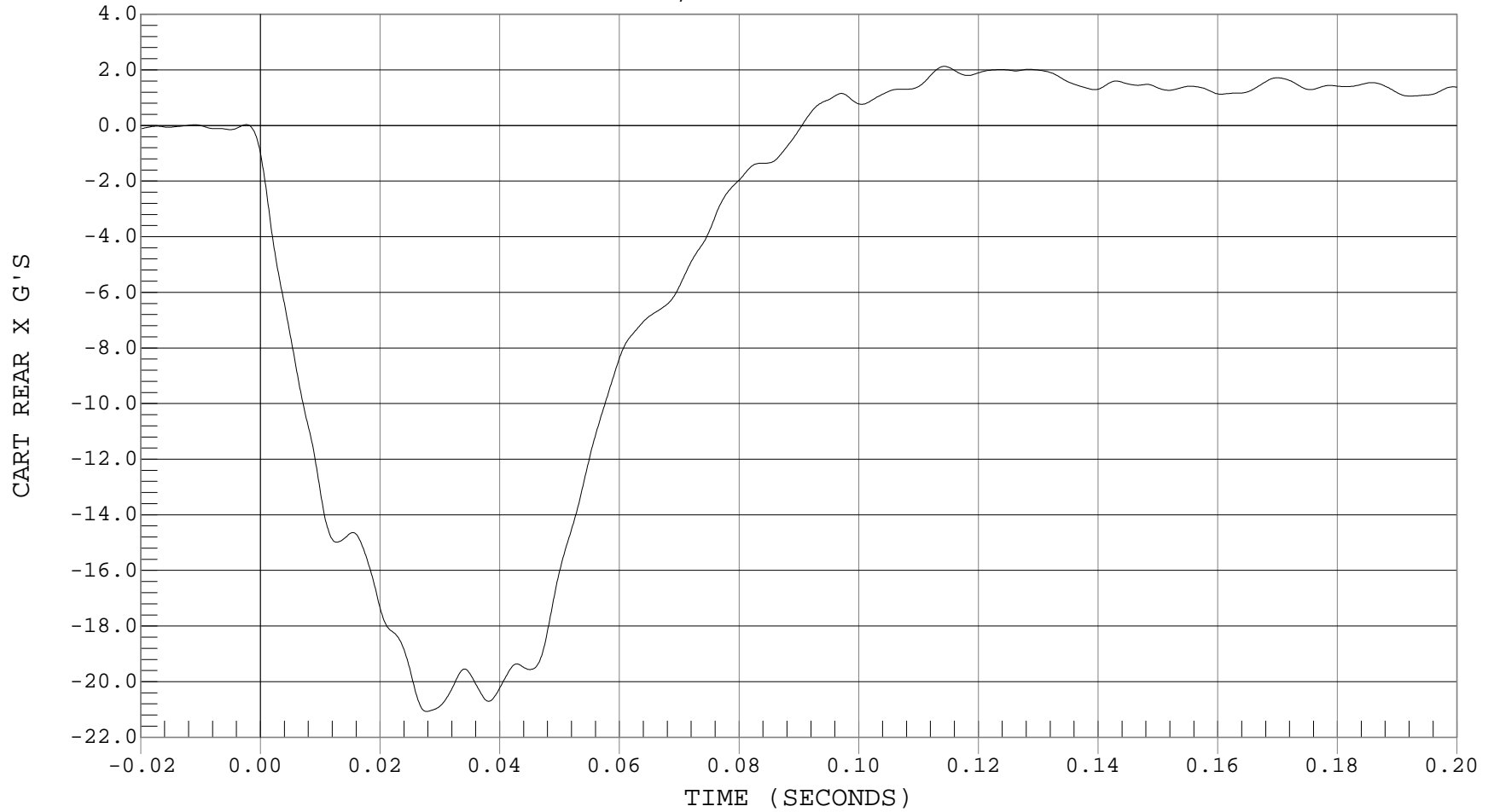
MOVING BARRIER REAR AXLE X ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 CART REAR X, C00093AF.A05

Ymin = -21.07 G'S @ 0.0278 SECONDS, Ymax = 2.13 G'S @ 0.1143 SECONDS





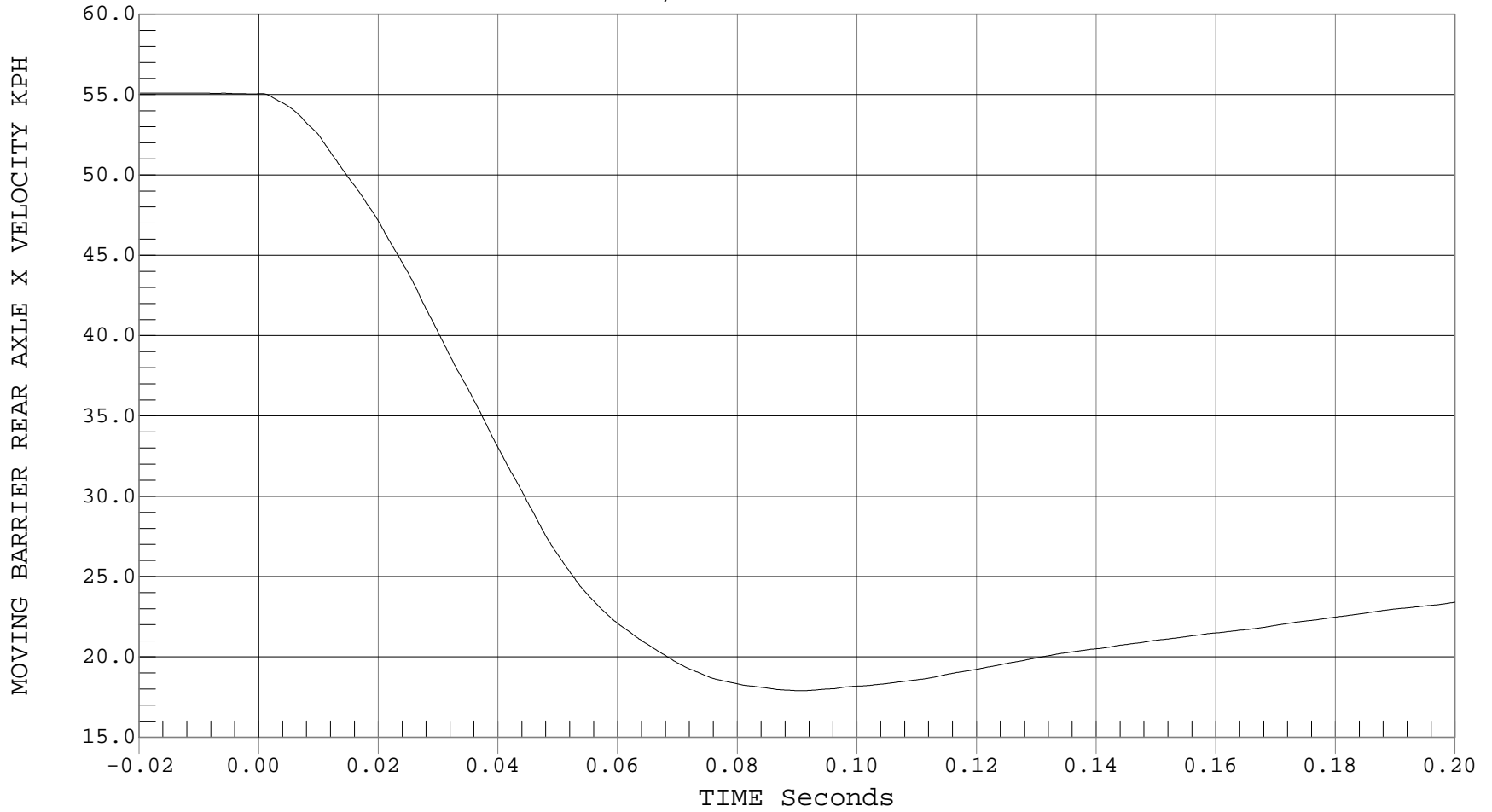
MOVING BARRIER REAR AXLE X VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 MOVING BARRIER REAR AXLE X VELOCITY, C00093AI.V05

Ymin = 17.9 KPH @ 0.0906 Seconds, Ymax = 55.1 KPH @ -0.0166 Seconds





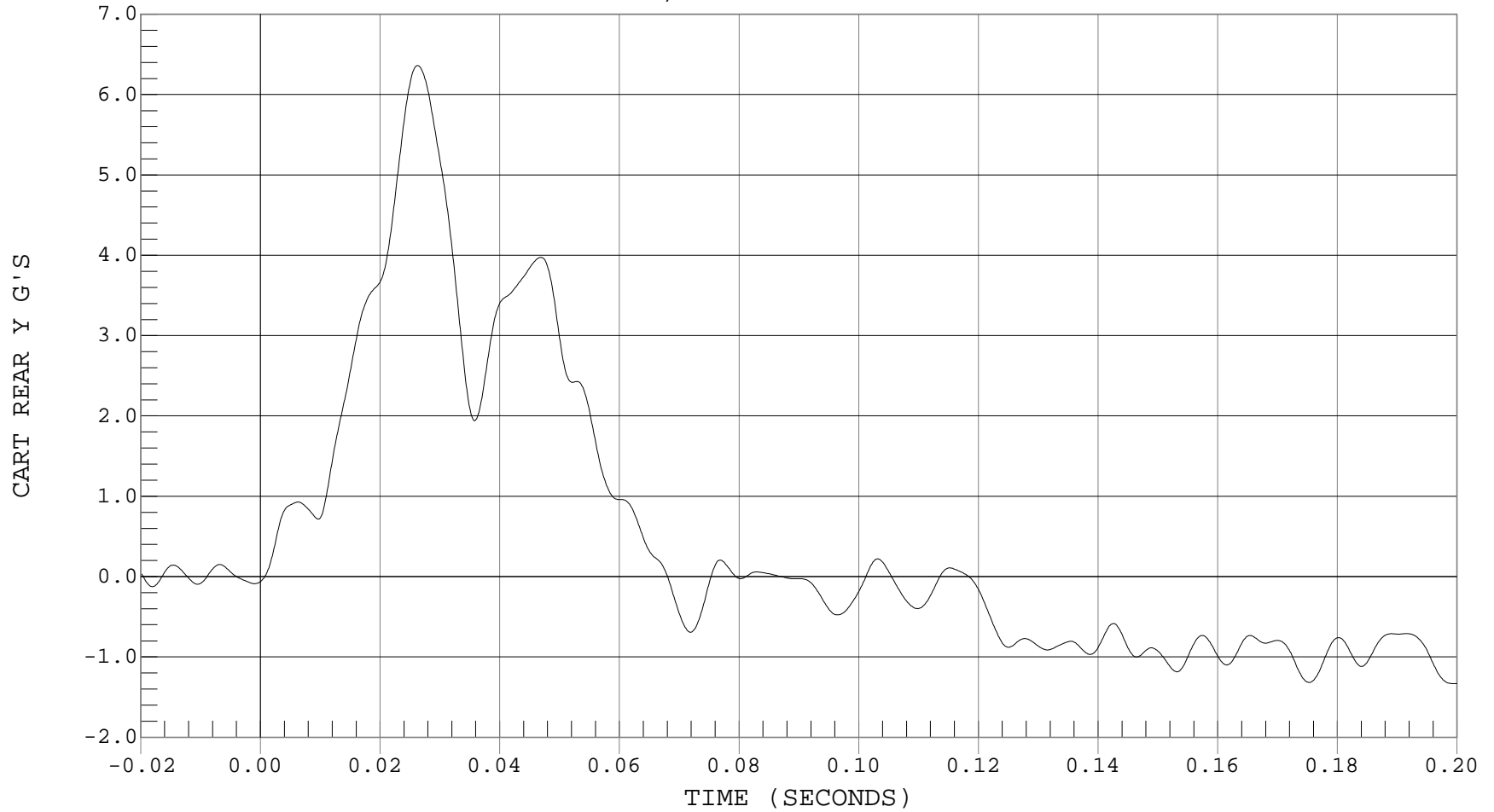
MOVING BARRIER REAR AXLE Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 60

— 1 CART REAR Y, C00093AF.A06

Ymin = -1.33 G'S @ 0.1992 SECONDS, Ymax = 6.36 G'S @ 0.0263 SECONDS





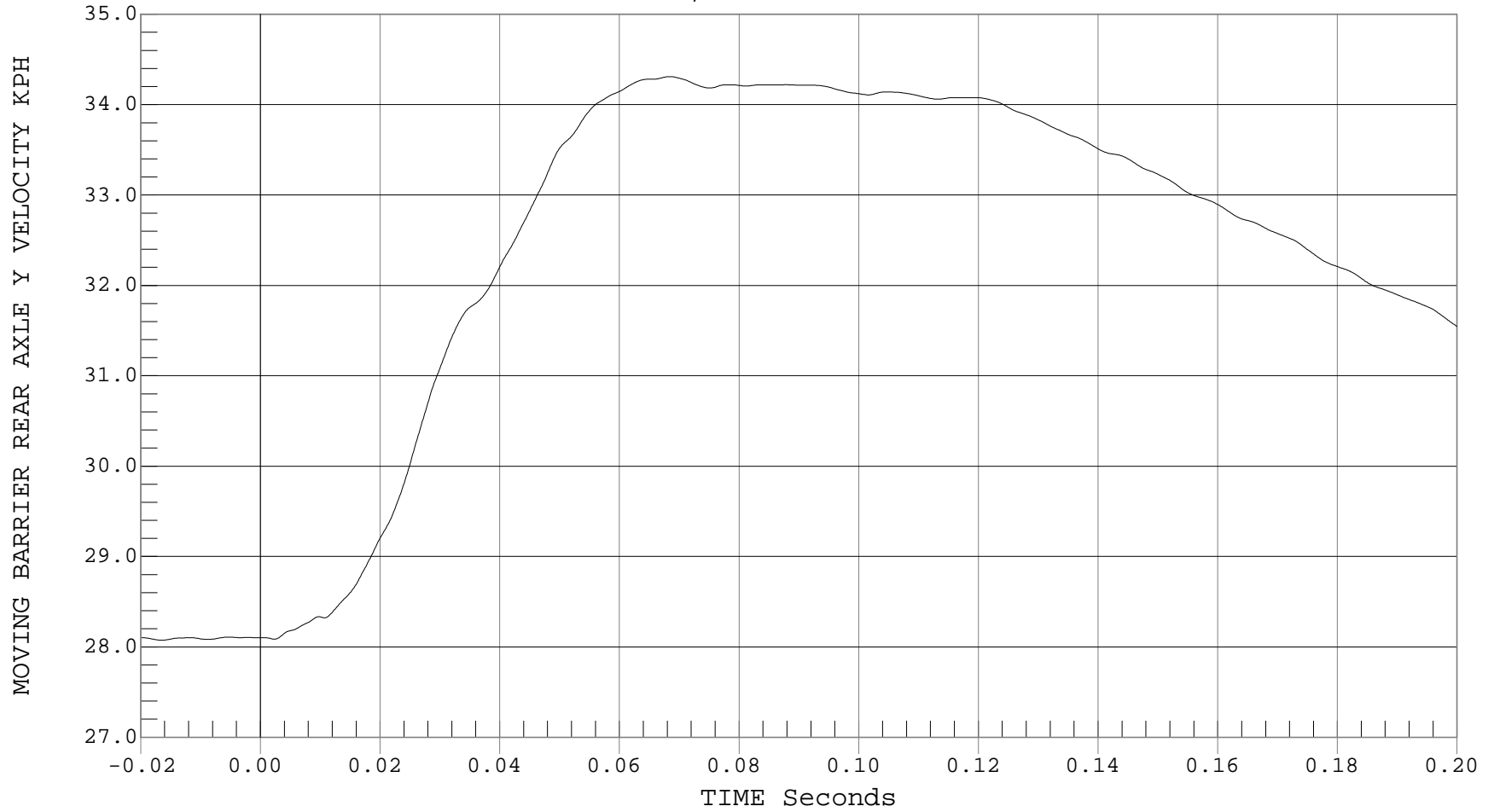
MOVING BARRIER REAR AXLE Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 MOVING BARRIER REAR AXLE Y VELOCITY, C00093AI.V06

Ymin = 28.07 KPH @ -0.0165 Seconds, Ymax = 34.31 KPH @ 0.0684 Seconds





LEFT BARRIER CONTACT

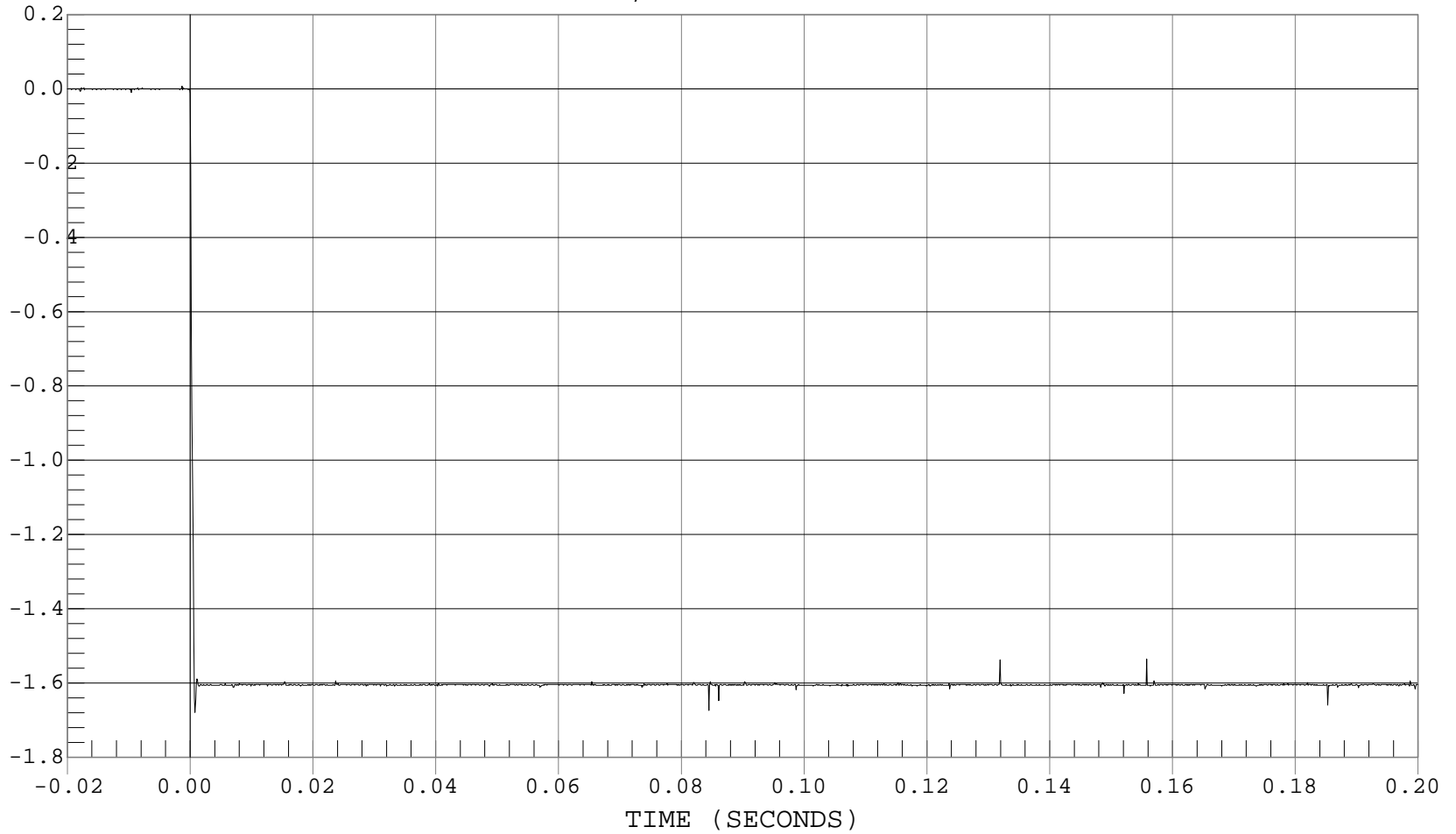
Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 LEFT BARRIER CONTACT, C000930T.009

Ymin = -1.68 VOLTS @ 0.0008 SECONDS, Ymax = .01 VOLTS @ -0.0013 SECONDS

LEFT BARRIER CONTACT VOLTS



B-100



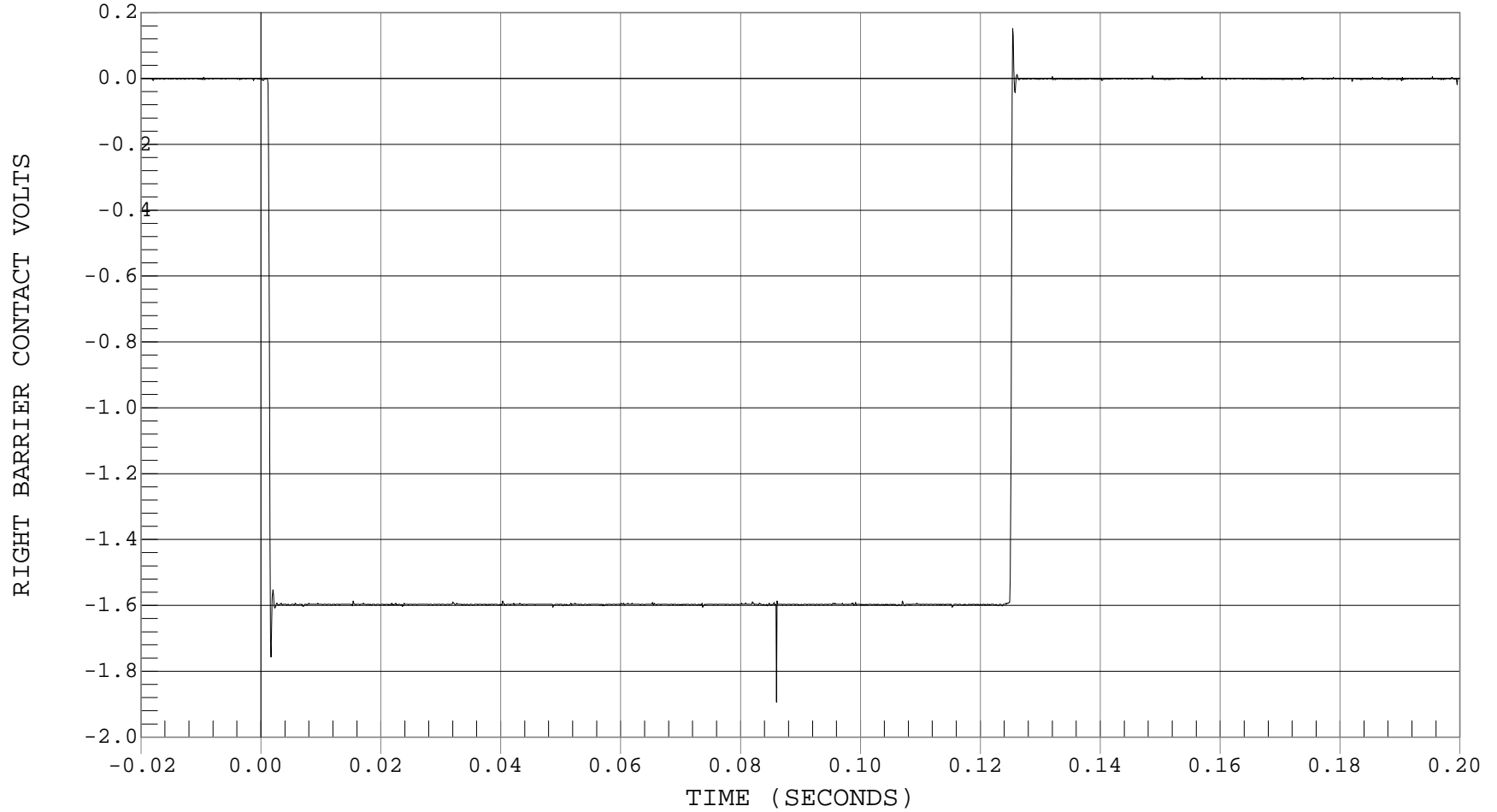
RIGHT BARRIER CONTACT

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 RIGHT BARRIER CONTACT, C000930T.010

Ymin = -1.89 VOLTS @ 0.0860 SECONDS, Ymax = .15 VOLTS @ 0.1254 SECONDS





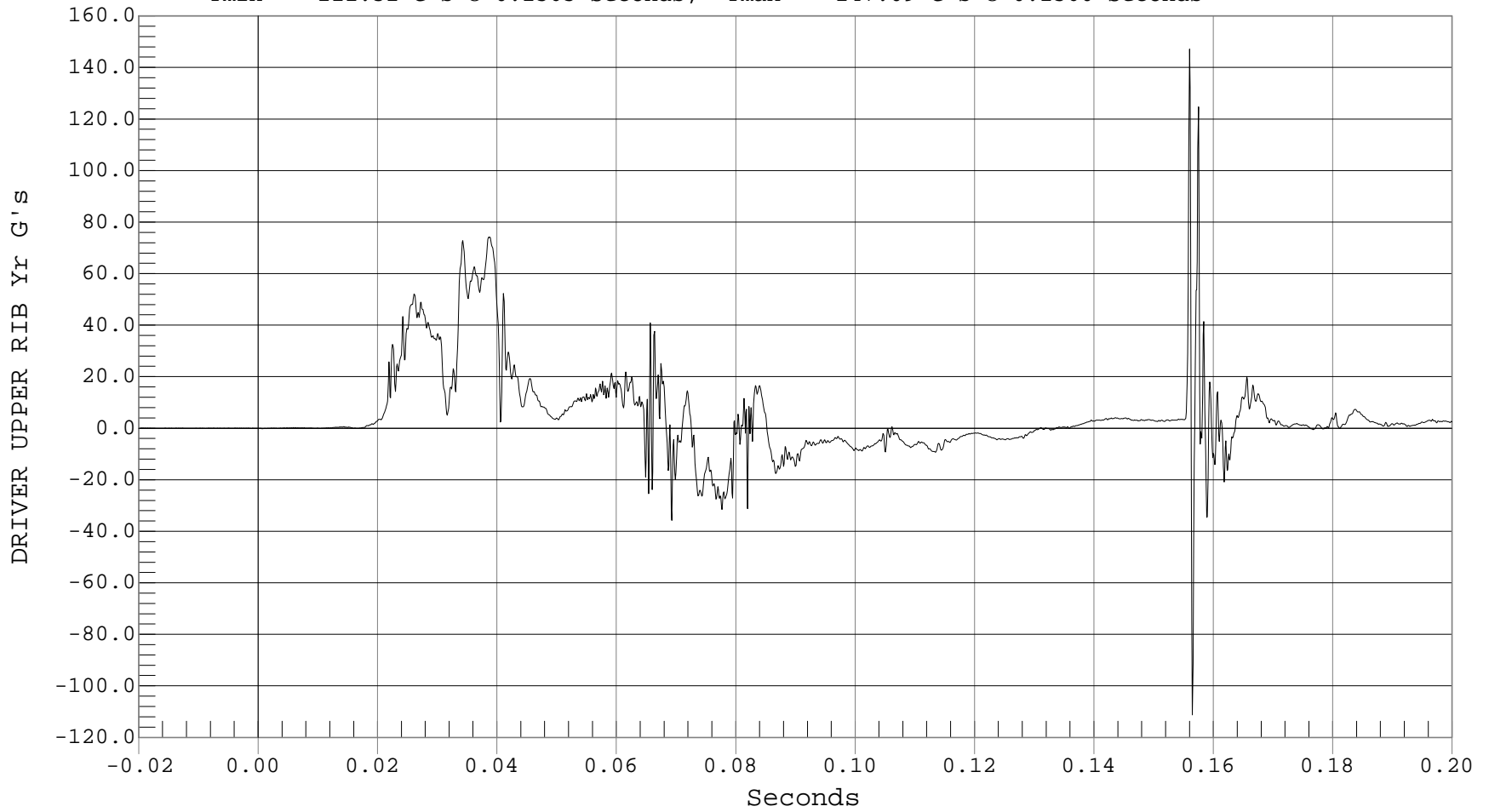
DRIVER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER UPPER RIB Yr, B00093AT.A41

Ymin = -111.31 G's @ 0.1565 Seconds, Ymax = 147.09 G's @ 0.1560 Seconds





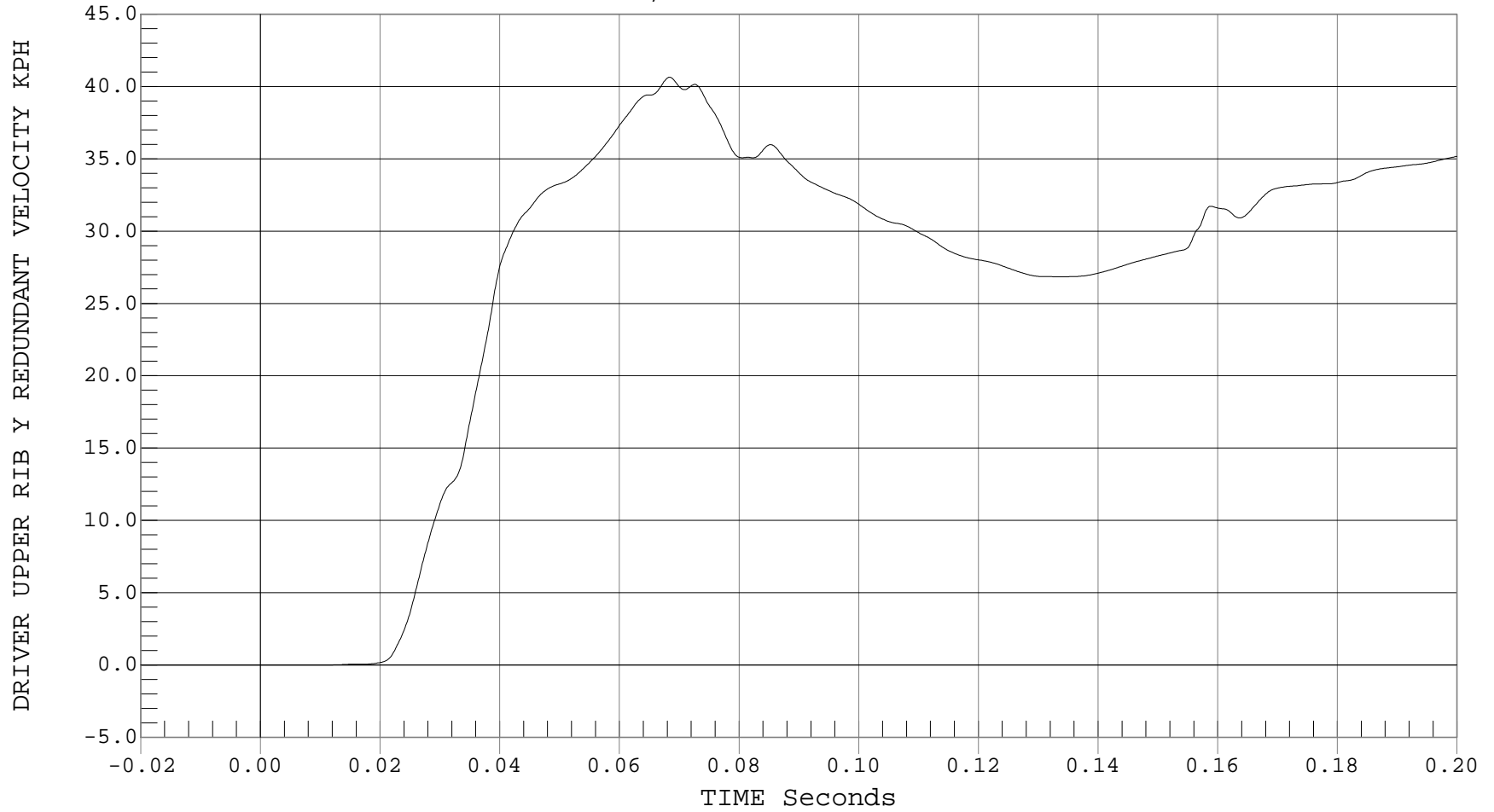
DRIVER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER UPPER RIB Y REDUNDANT VELOCITY, B00093AI.V41

Ymin = -.01 KPH @ 0.0021 Seconds, Ymax = 40.65 KPH @ 0.0684 Seconds





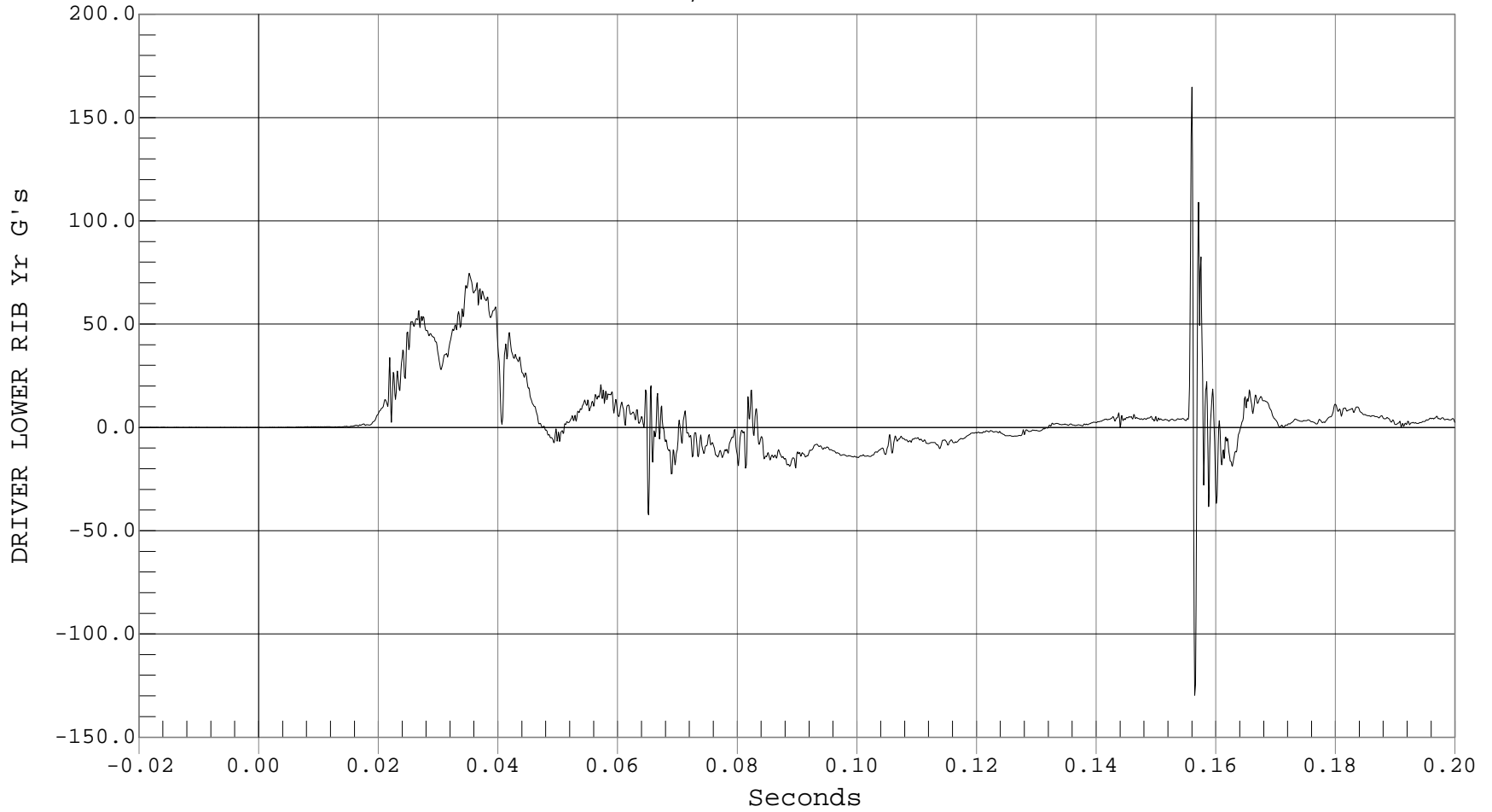
DRIVER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER LOWER RIB Yr, B00093AT.A42

Ymin = -129.65 G's @ 0.1565 Seconds, Ymax = 164.72 G's @ 0.1560 Seconds





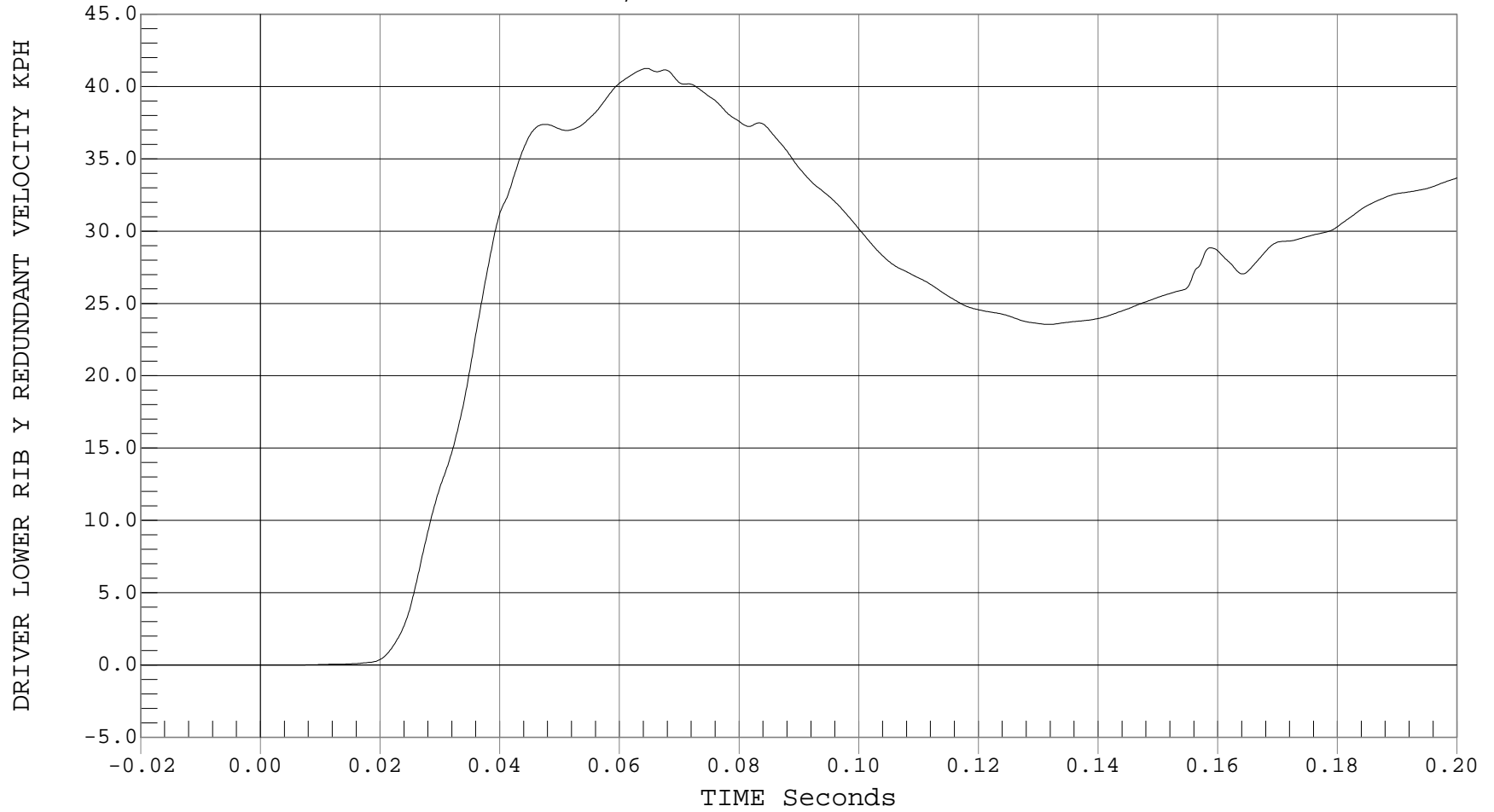
DRIVER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER LOWER RIB Y REDUNDANT VELOCITY, B00093AI.V42

Ymin = 0 KPH @ 0.0022 Seconds, Ymax = 41.26 KPH @ 0.0646 Seconds





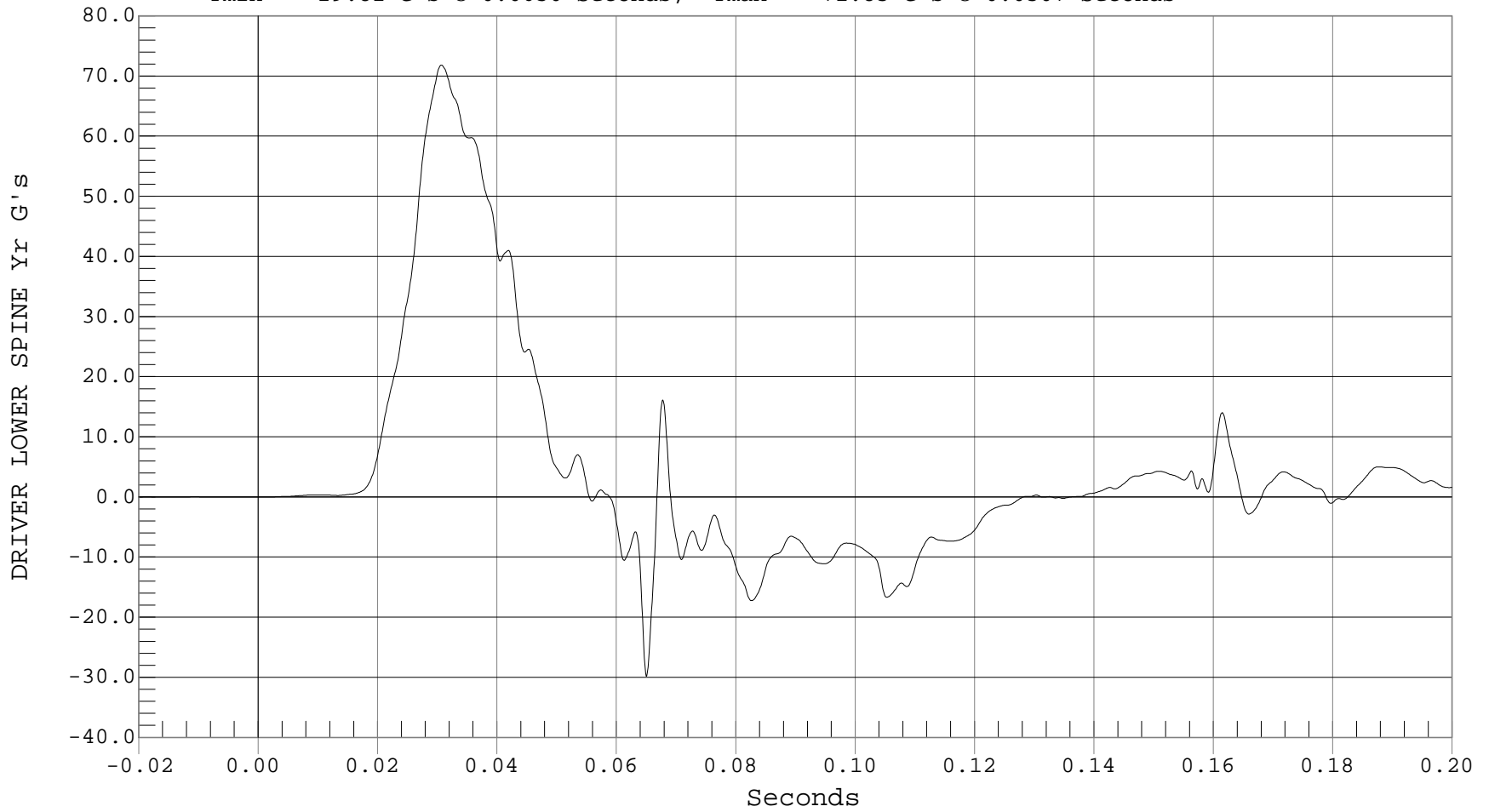
DRIVER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER LOWER SPINE Yr, B00093AF.A43

Ymin = -29.82 G's @ 0.0650 Seconds, Ymax = 71.83 G's @ 0.0307 Seconds





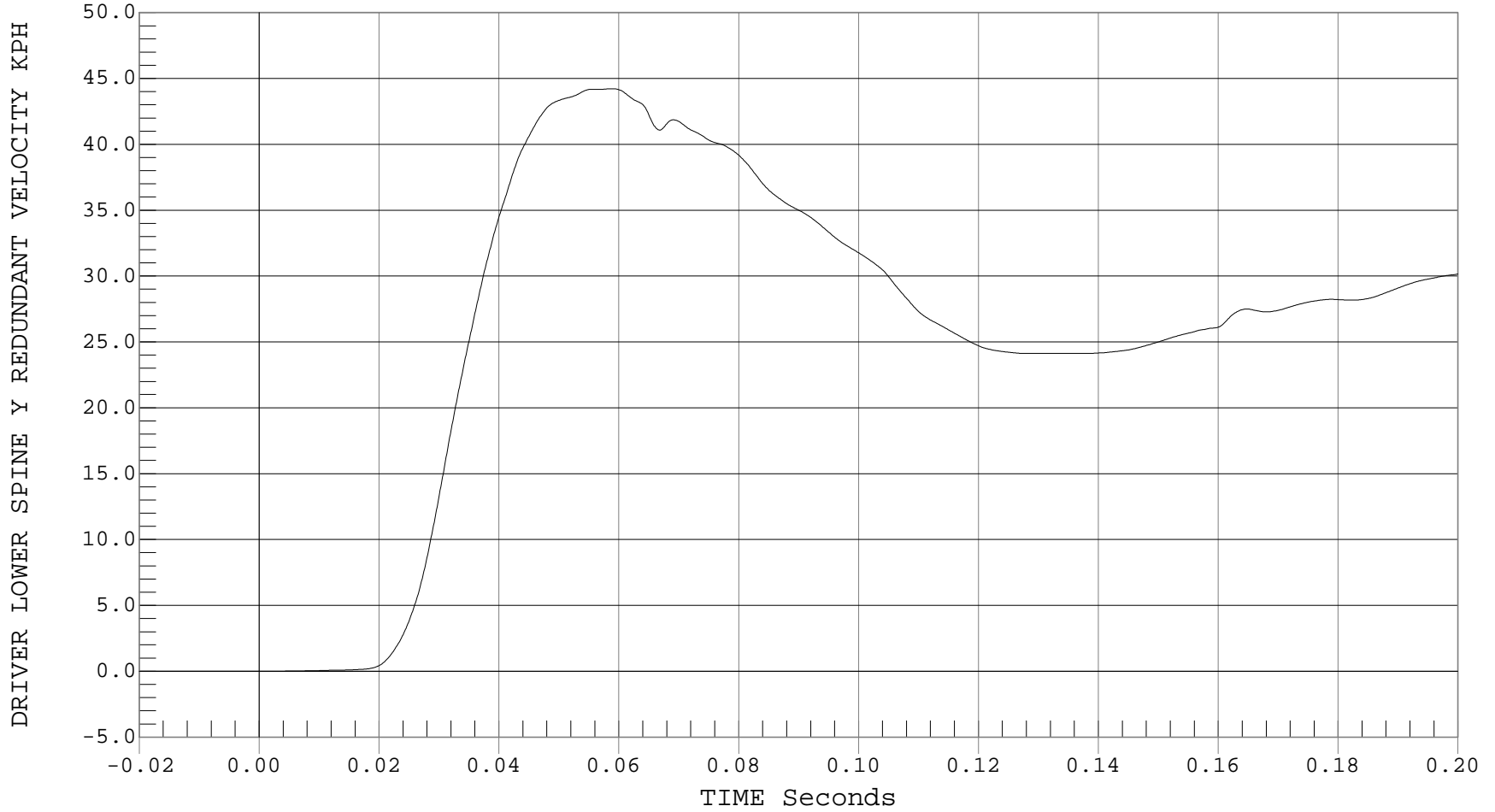
DRIVER LOWER SPINE REDUNDANT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER LOWER SPINE Y REDUNDANT VELOCITY, B00093AI.V43

Ymin = 0 KPH @ -0.0198 Seconds, Ymax = 44.21 KPH @ 0.0589 Seconds





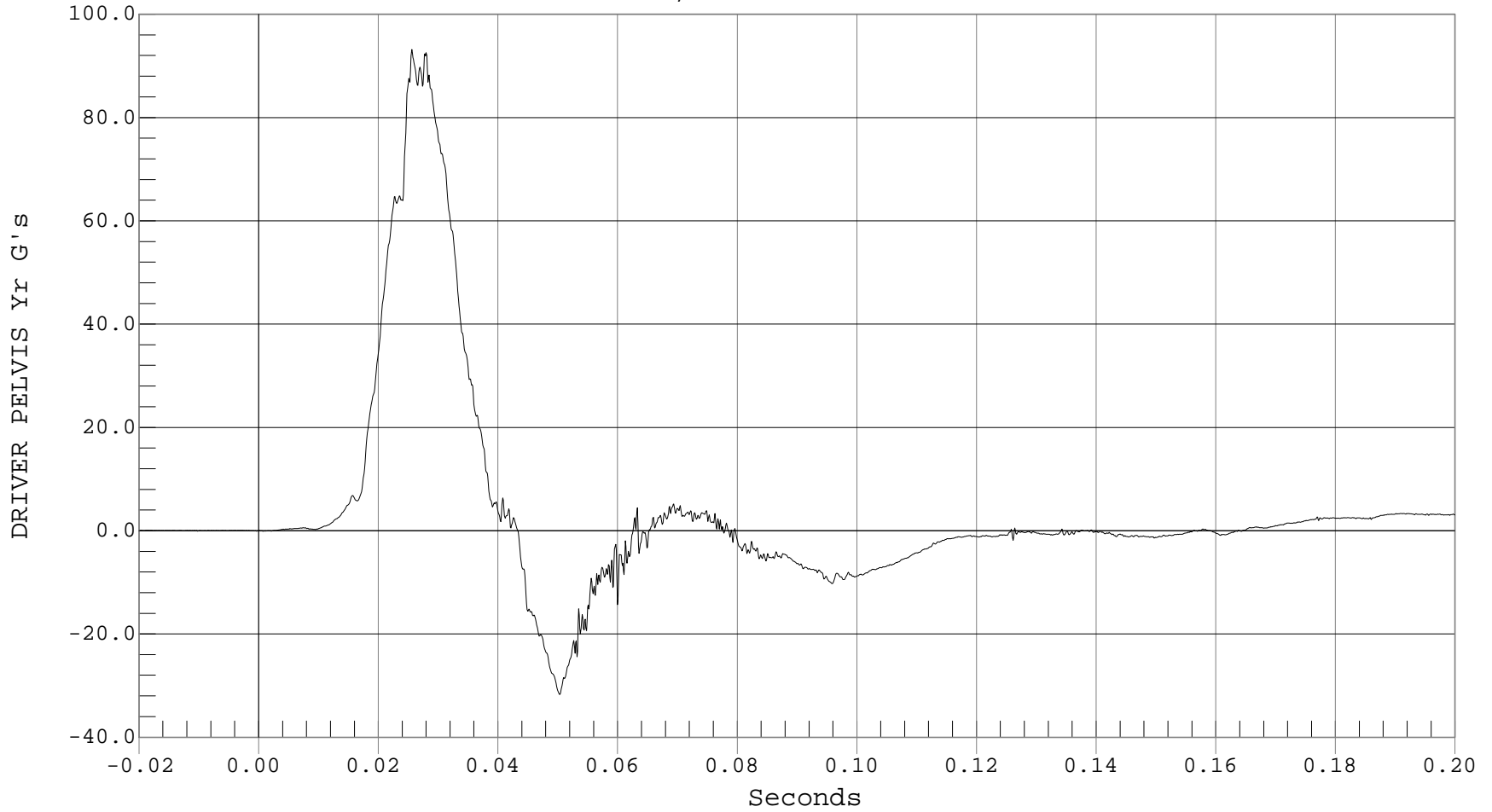
DRIVER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 DRIVER PELVIS Yr, B00093AT.A44

Ymin = -31.74 G's @ 0.0503 Seconds, Ymax = 93.19 G's @ 0.0256 Seconds





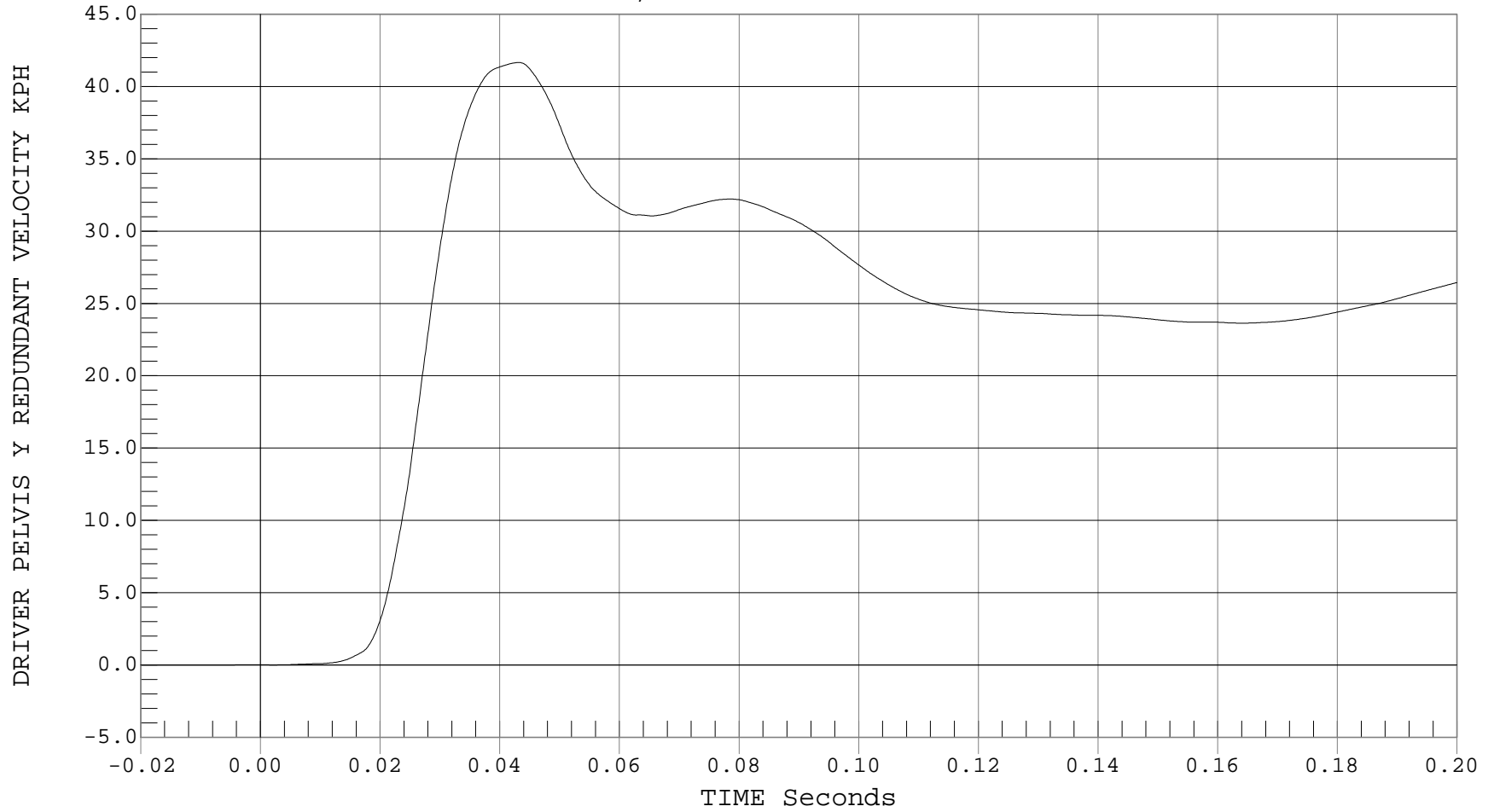
DRIVER PELVIS REDUNDANT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 DRIVER PELVIS Y REDUNDANT VELOCITY, B00093AI.V44

Ymin = 0 KPH @ -0.0198 Seconds, Ymax = 41.67 KPH @ 0.0431 Seconds





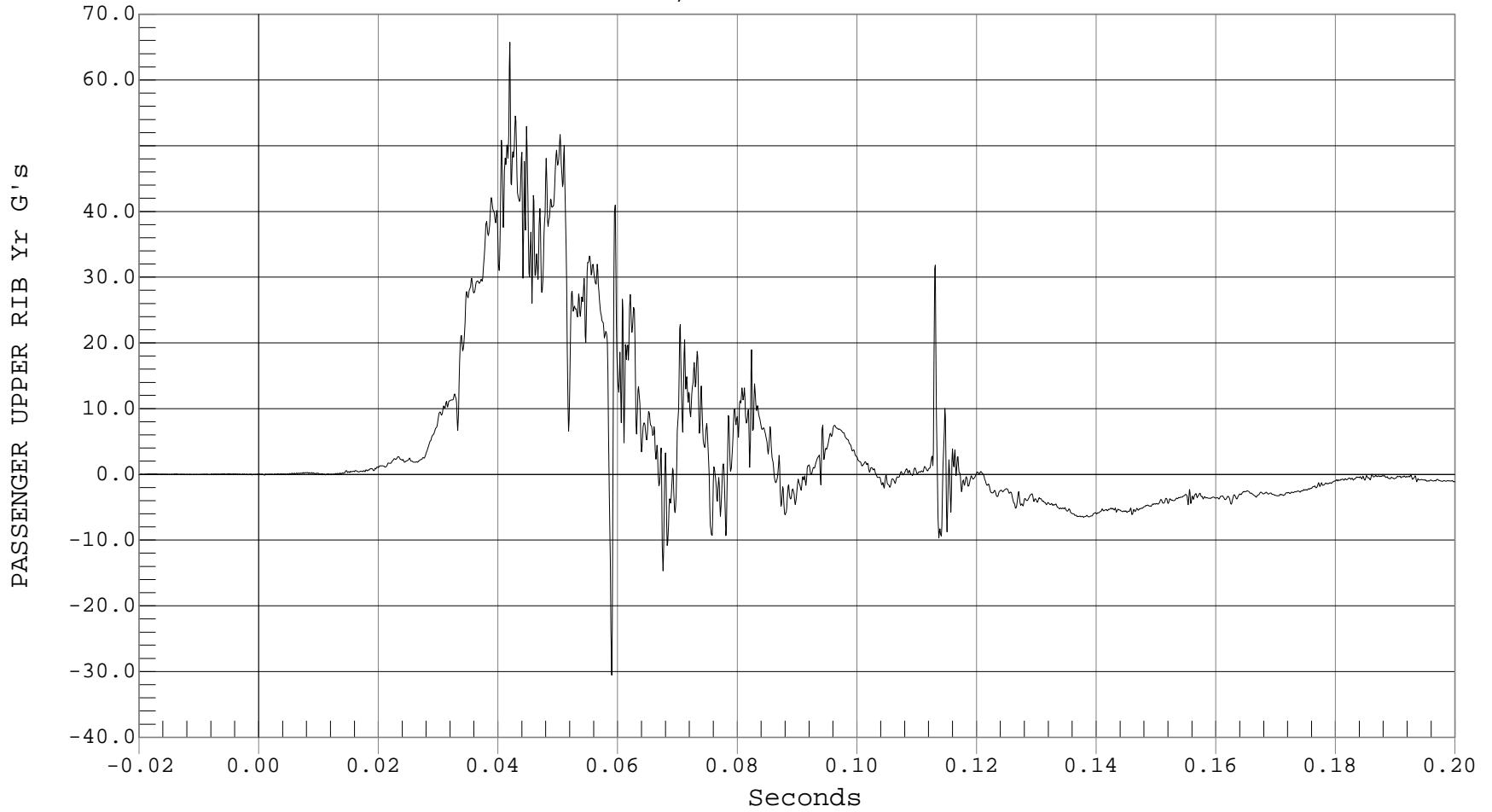
PASSENGER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER UPPER RIB Yr, B00093AT.A45

Ymin = -30.55 G's @ 0.0590 Seconds, Ymax = 65.73 G's @ 0.0420 Seconds





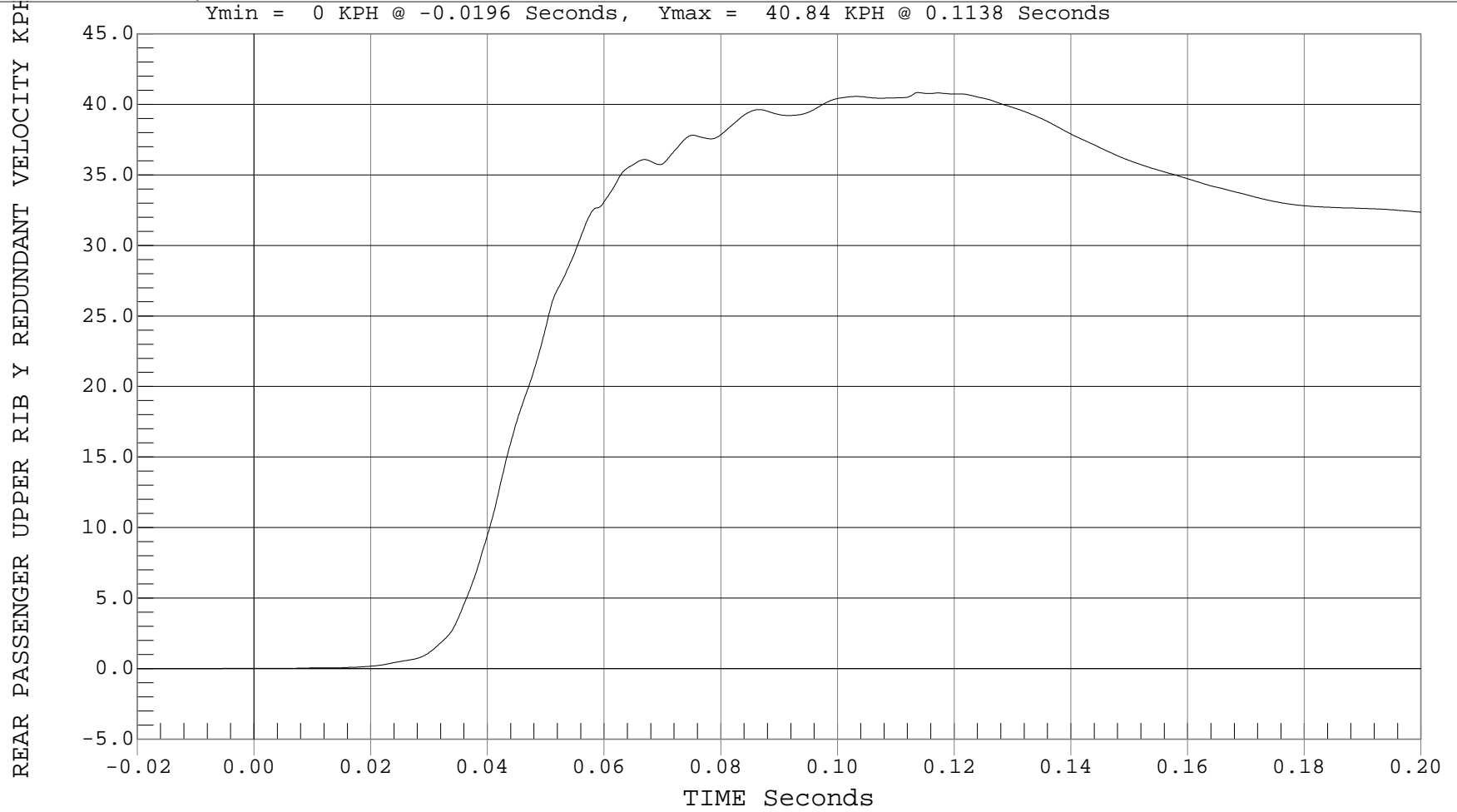
PASSENGER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER UPPER RIB Y REDUNDANT VELOCITY, B00093AI.V45

Ymin = 0 KPH @ -0.0196 Seconds, Ymax = 40.84 KPH @ 0.1138 Seconds





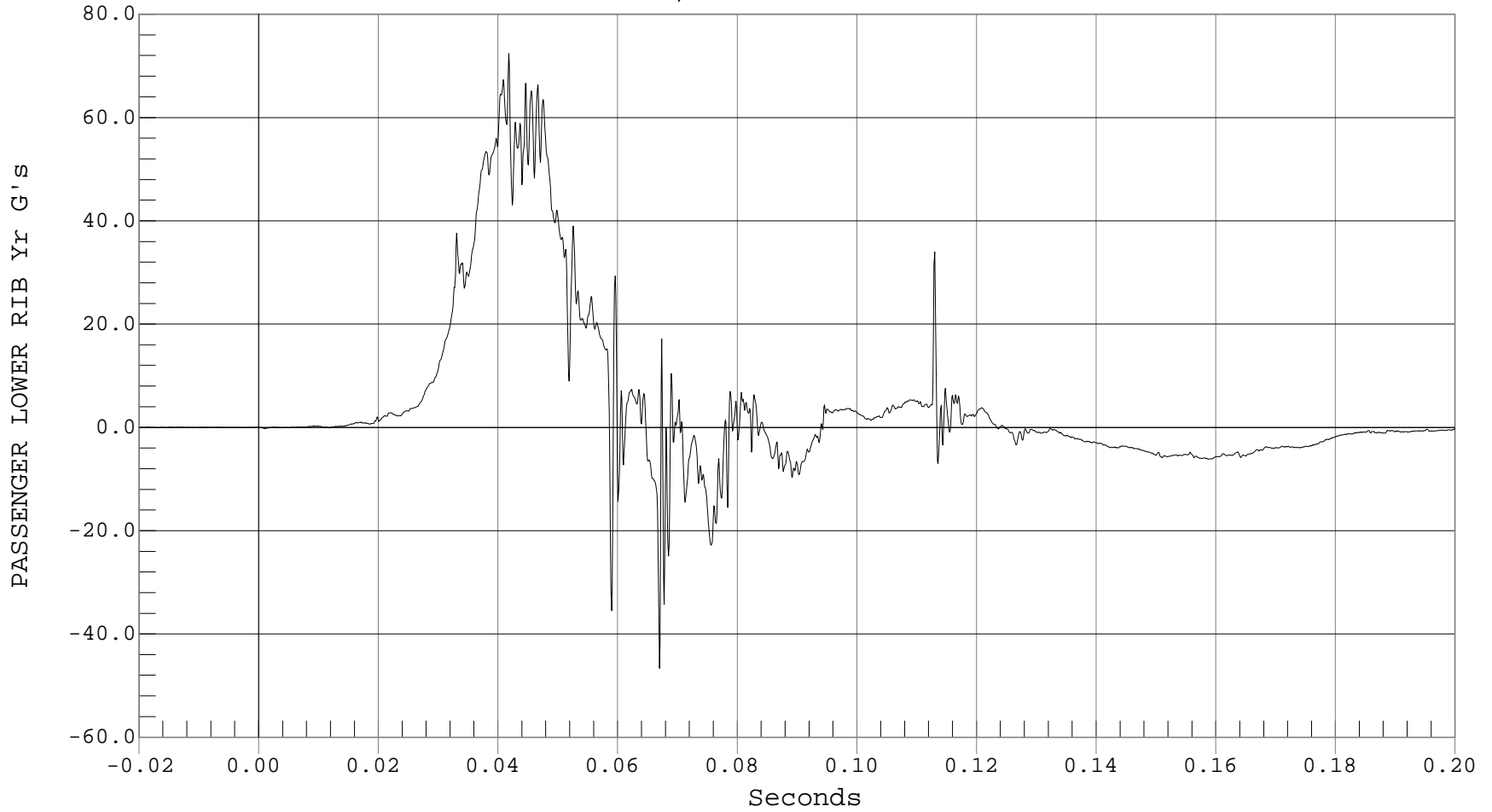
PASSENGER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER LOWER RIB Yr, B00093AT.A46

Ymin = -46.66 G's @ 0.0670 Seconds, Ymax = 72.38 G's @ 0.0418 Seconds





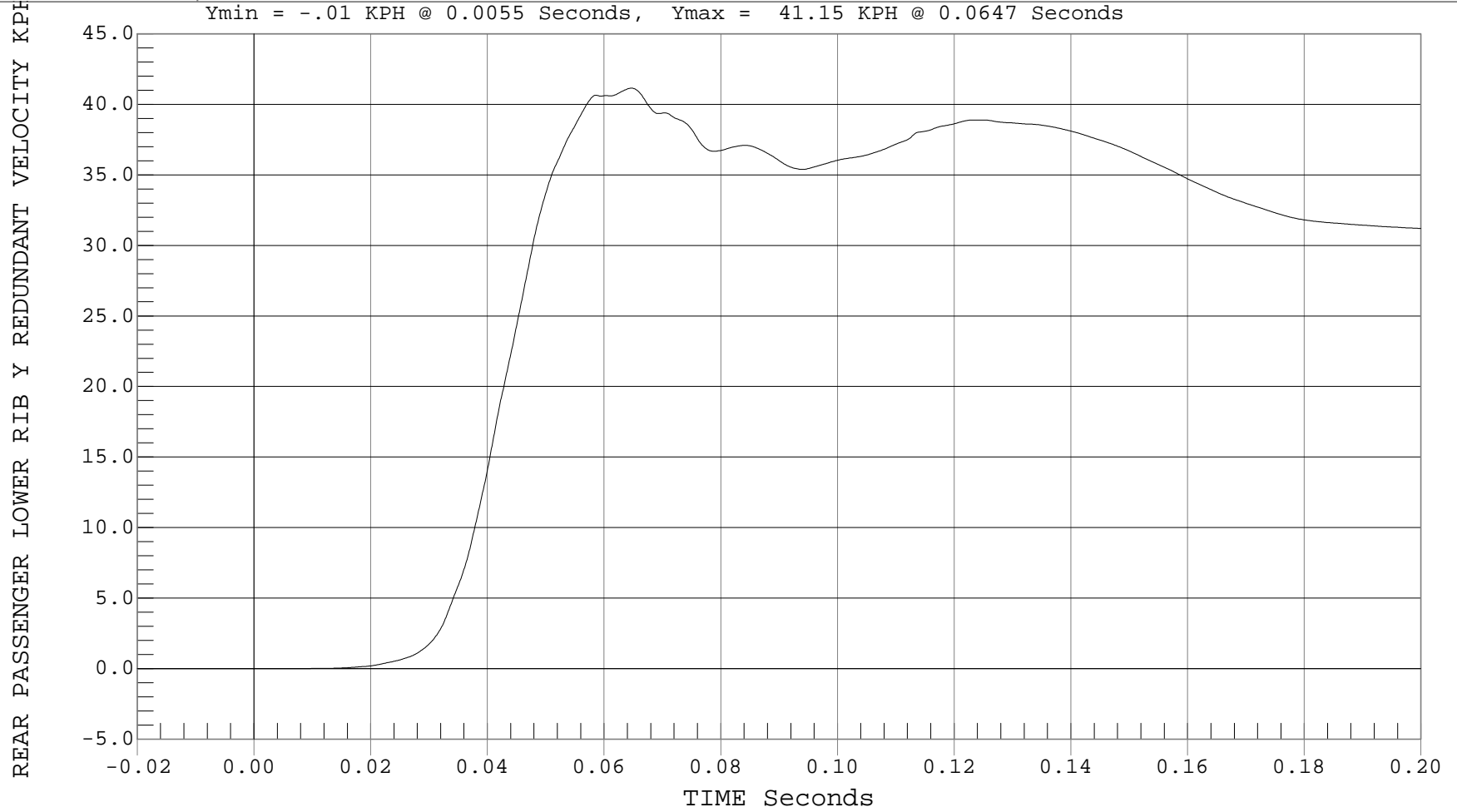
PASSENGER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER LOWER RIB Y REDUNDANT VELOCITY, B00093AI.V46

Ymin = -.01 KPH @ 0.0055 Seconds, Ymax = 41.15 KPH @ 0.0647 Seconds





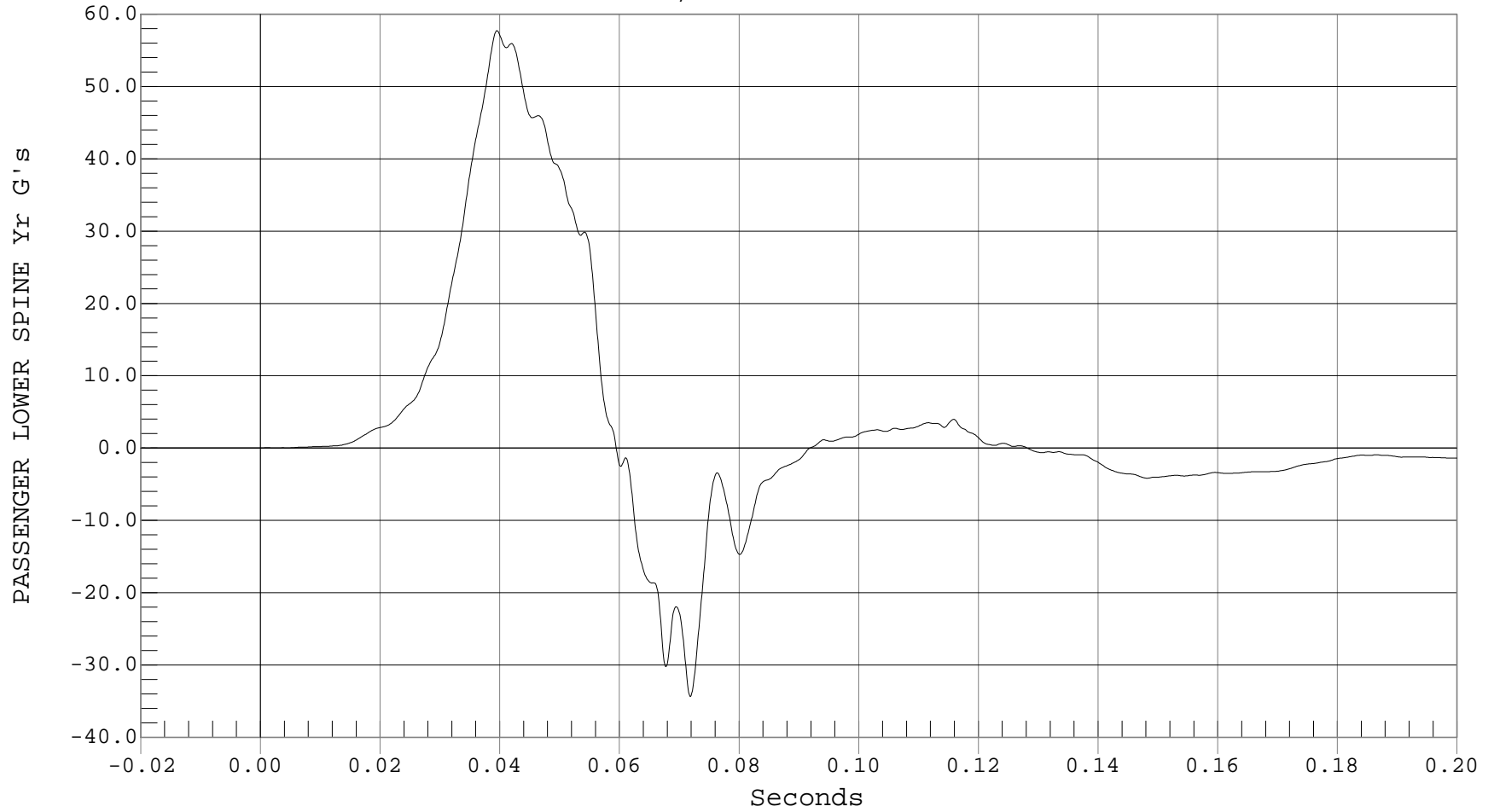
PASSENGER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 PASSENGER LOWER SPINE Yr, B00093AF.A47

Ymin = -34.36 G's @ 0.0719 Seconds, Ymax = 57.73 G's @ 0.0395 Seconds





PASSENGER LOWER SPINE REDUNDANT Y VELOCITY

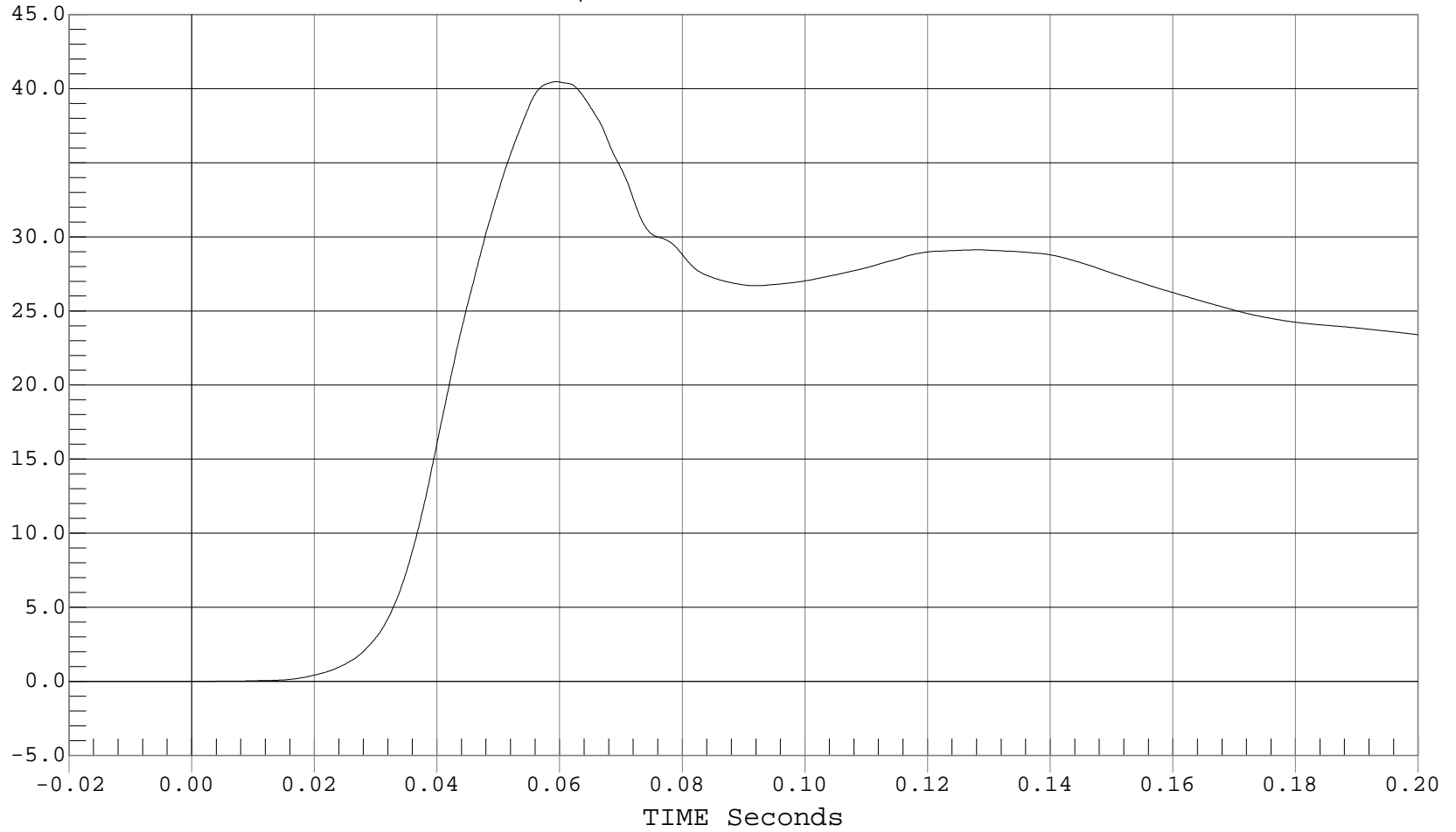
Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER LOWER SPINE Y REDUNDANT VELOCITY, B00093AI.V47

REAR PASSENGER LOWER SPINE Y REDUNDANT VELOCITY KPH

Ymin = 0 KPH @ -0.0179 Seconds, Ymax = 40.48 KPH @ 0.0595 Seconds





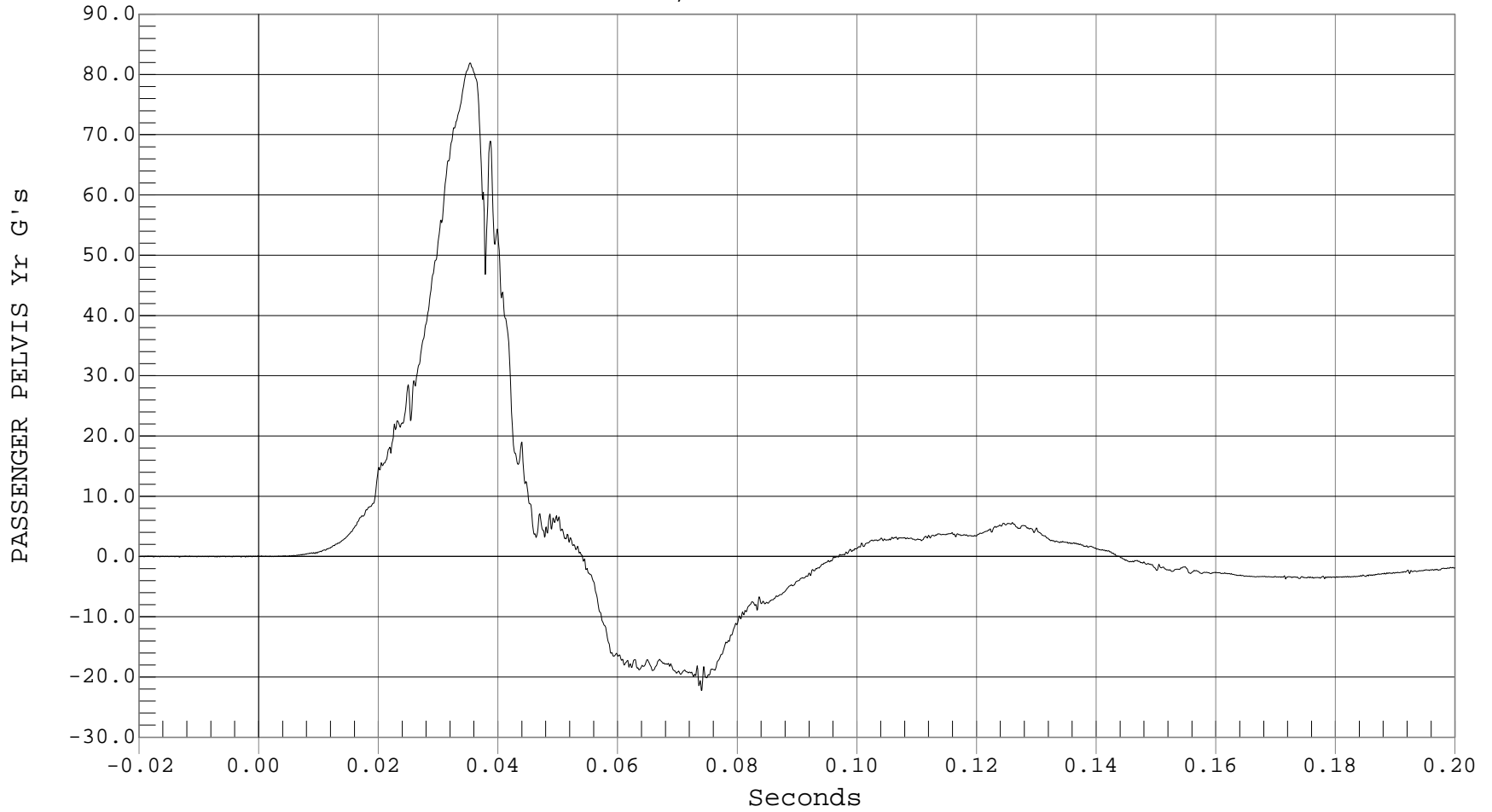
PASSENGER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 1000

— 1 PASSENGER PELVIS Yr, B00093AT.A48

Ymin = -22.24 G's @ 0.0740 Seconds, Ymax = 81.92 G's @ 0.0353 Seconds





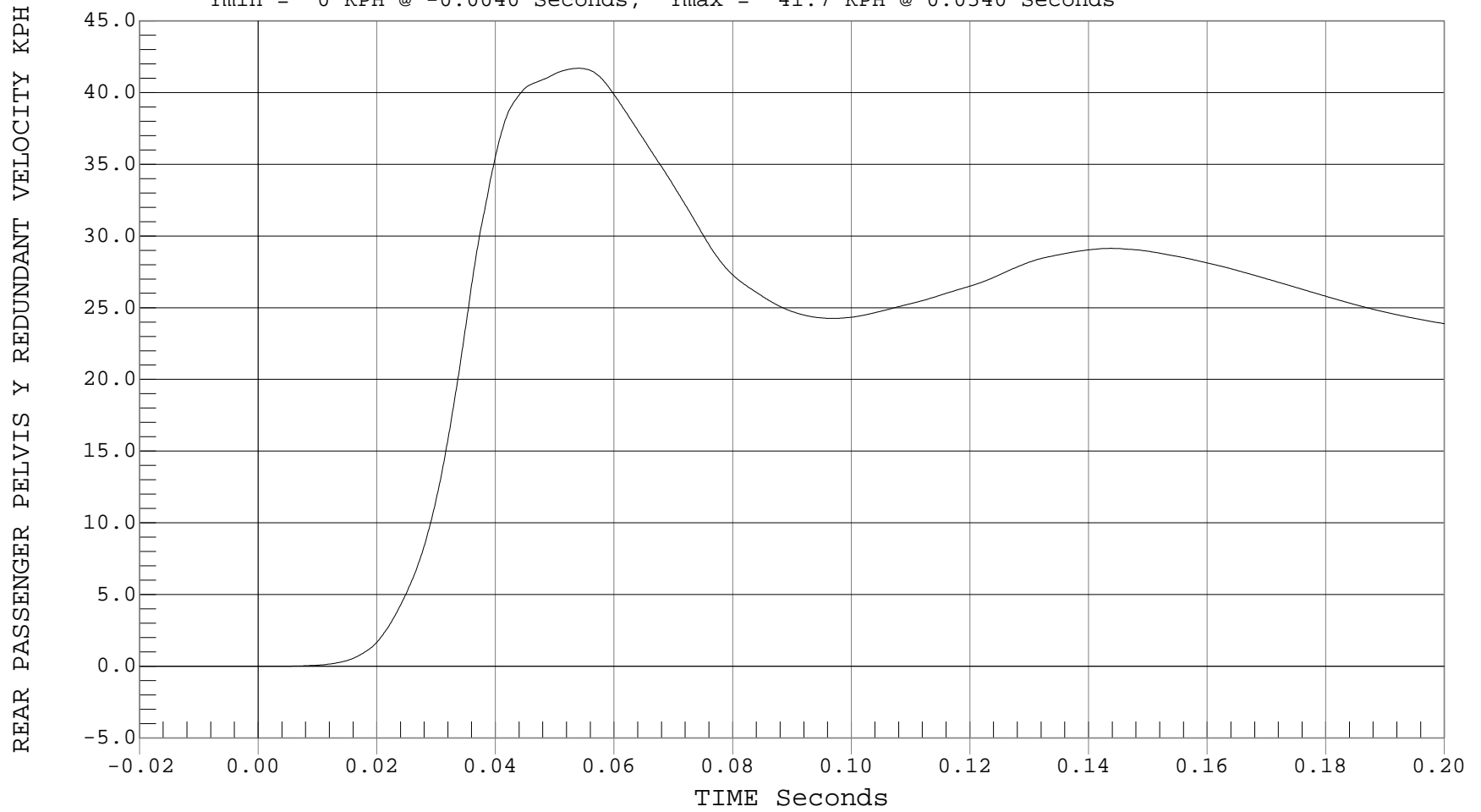
PASSENGER PELVIS REDUNDANT Y VELOCITY

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Filter Class: 180

— 1 REAR PASSENGER PELVIS Y REDUNDANT VELOCITY, B00093AI.V48

Ymin = 0 KPH @ -0.0040 Seconds, Ymax = 41.7 KPH @ 0.0540 Seconds





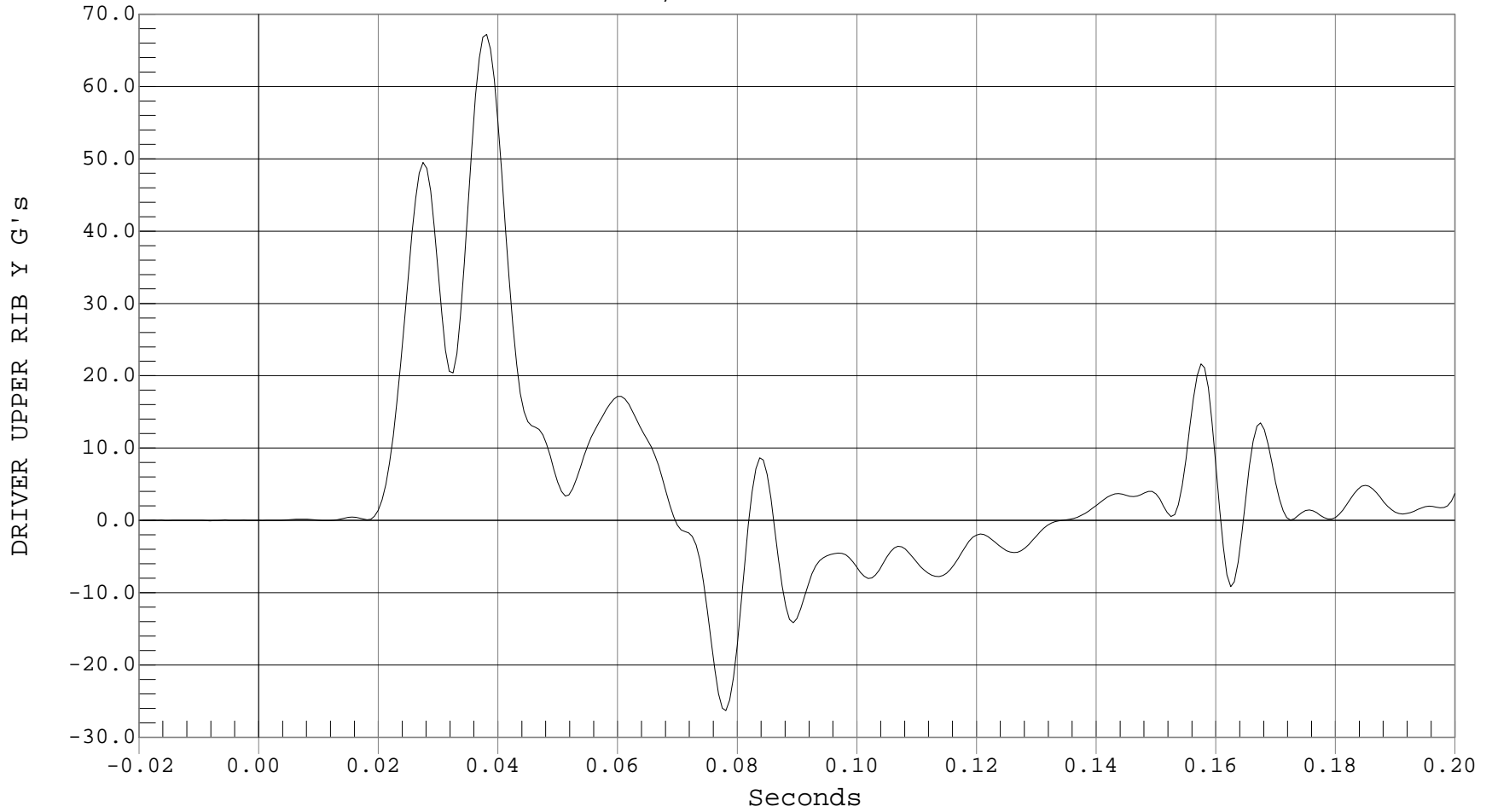
DRIVER UPPER RIB Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 DRIVER UPPER RIB Y, B00093FI.R04

Ymin = -26.3 G's @ 0.0781 Seconds, Ymax = 67.21 G's @ 0.0381 Seconds





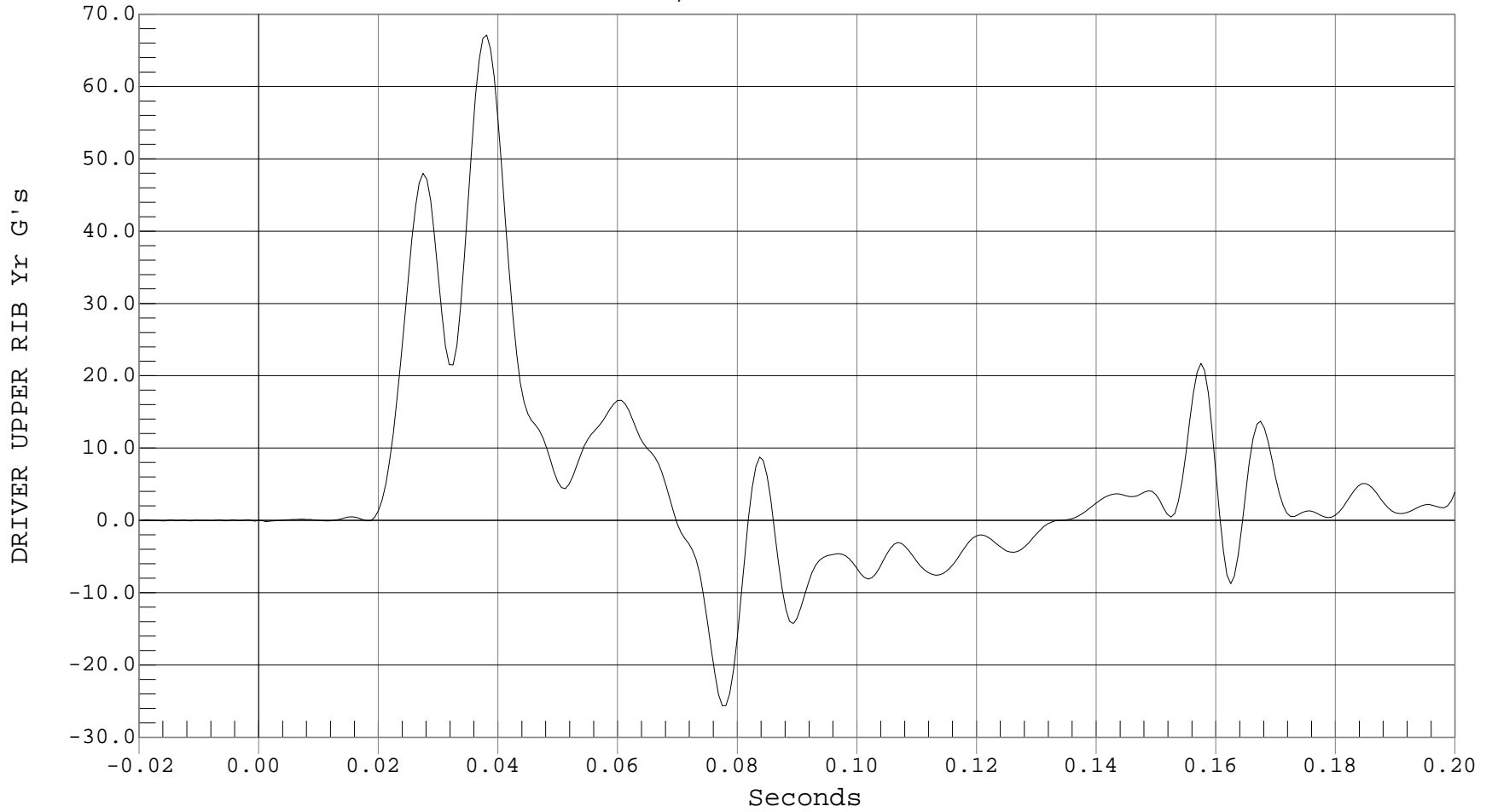
DRIVER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 DRIVER UPPER RIB Yr, B00093FI.R41

Ymin = -25.64 G's @ 0.0775 Seconds, Ymax = 67.12 G's @ 0.0381 Seconds





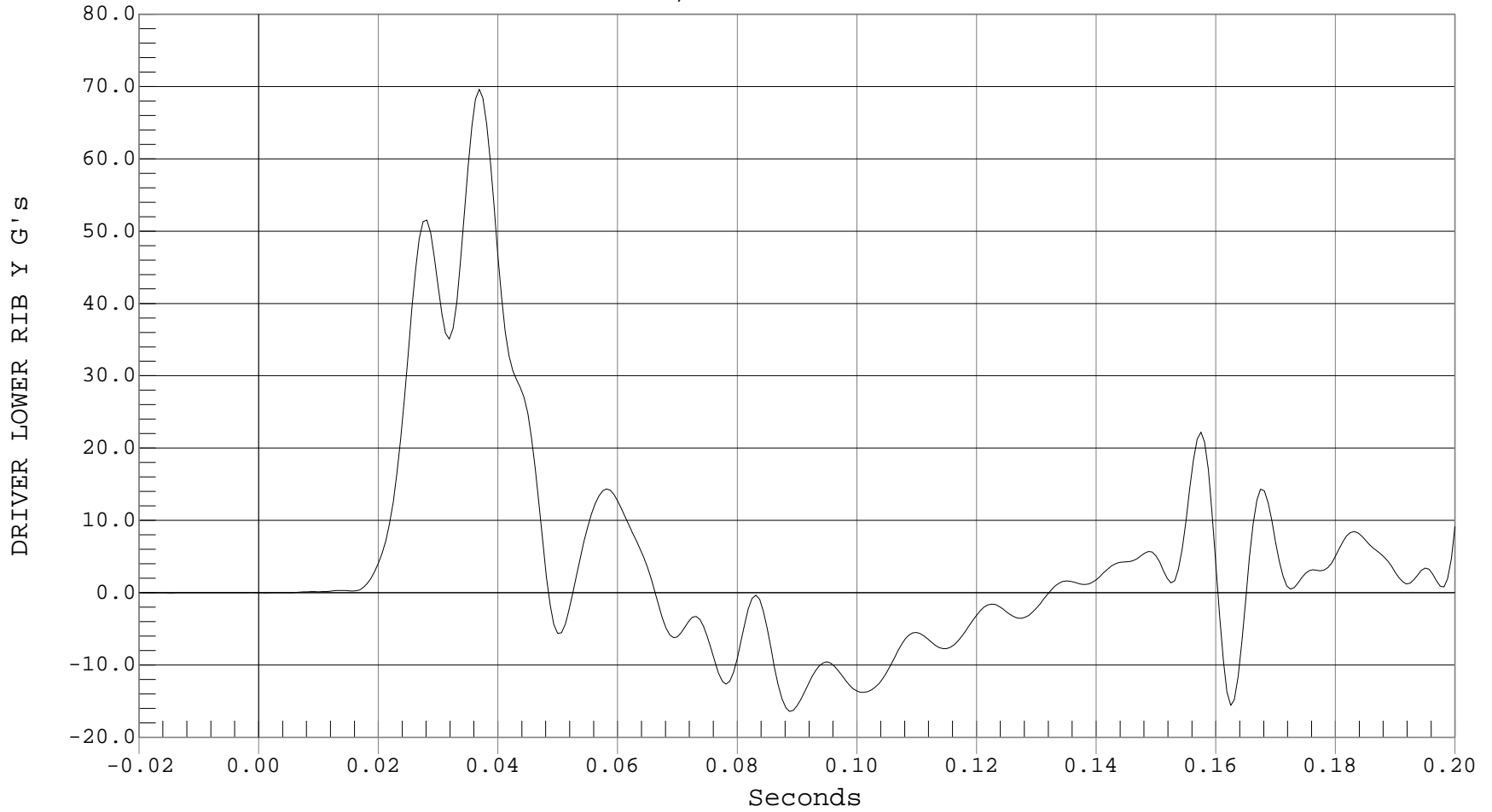
DRIVER LOWER RIB Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 DRIVER LOWER RIB Y, B00093FI.R05

Ymin = -16.41 G's @ 0.0888 Seconds, Ymax = 69.64 G's @ 0.0369 Seconds



B-120



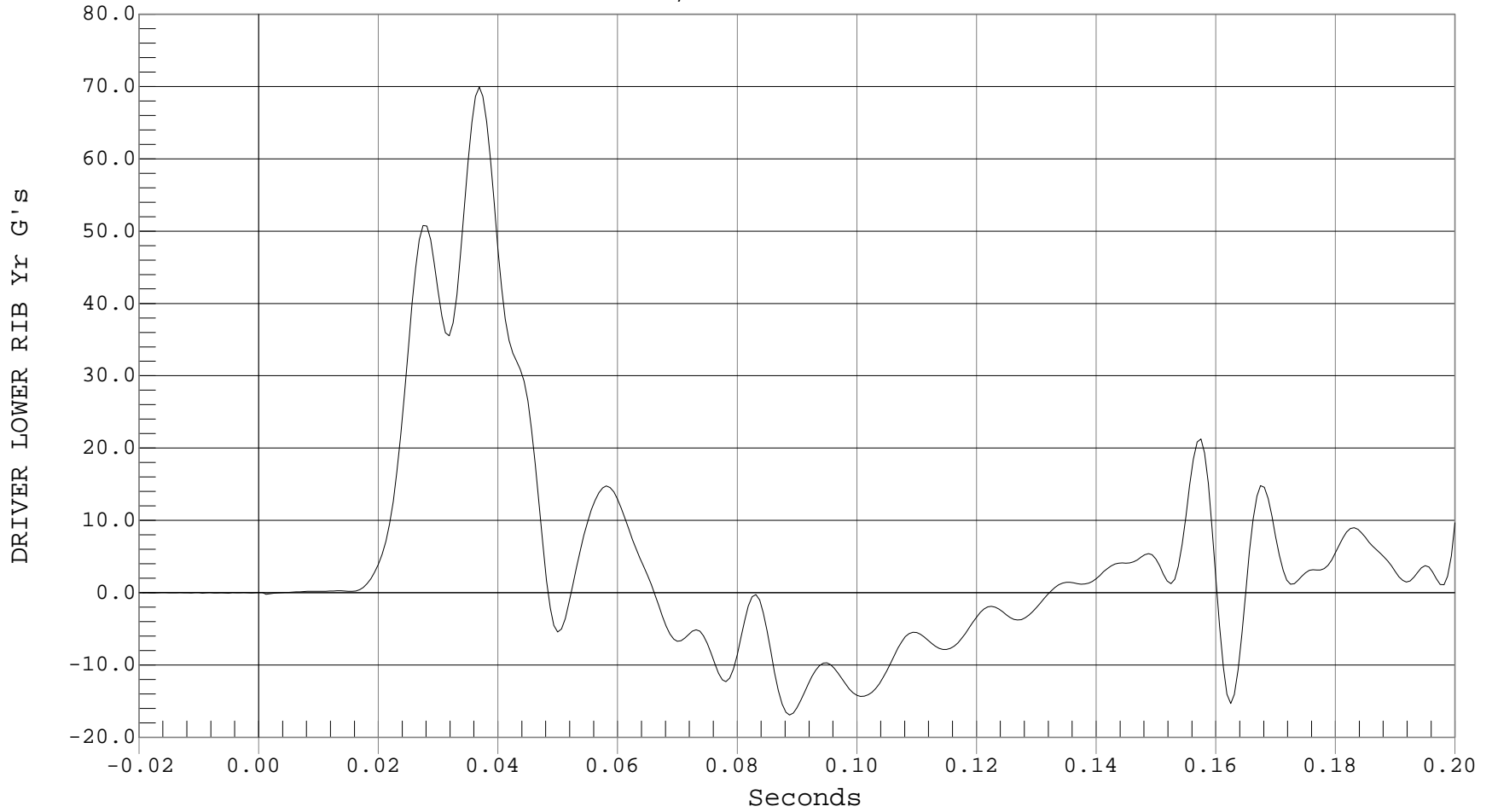
DRIVER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 DRIVER LOWER RIB Yr, B00093FI.R42

Ymin = -16.92 G's @ 0.0888 Seconds, Ymax = 69.92 G's @ 0.0369 Seconds





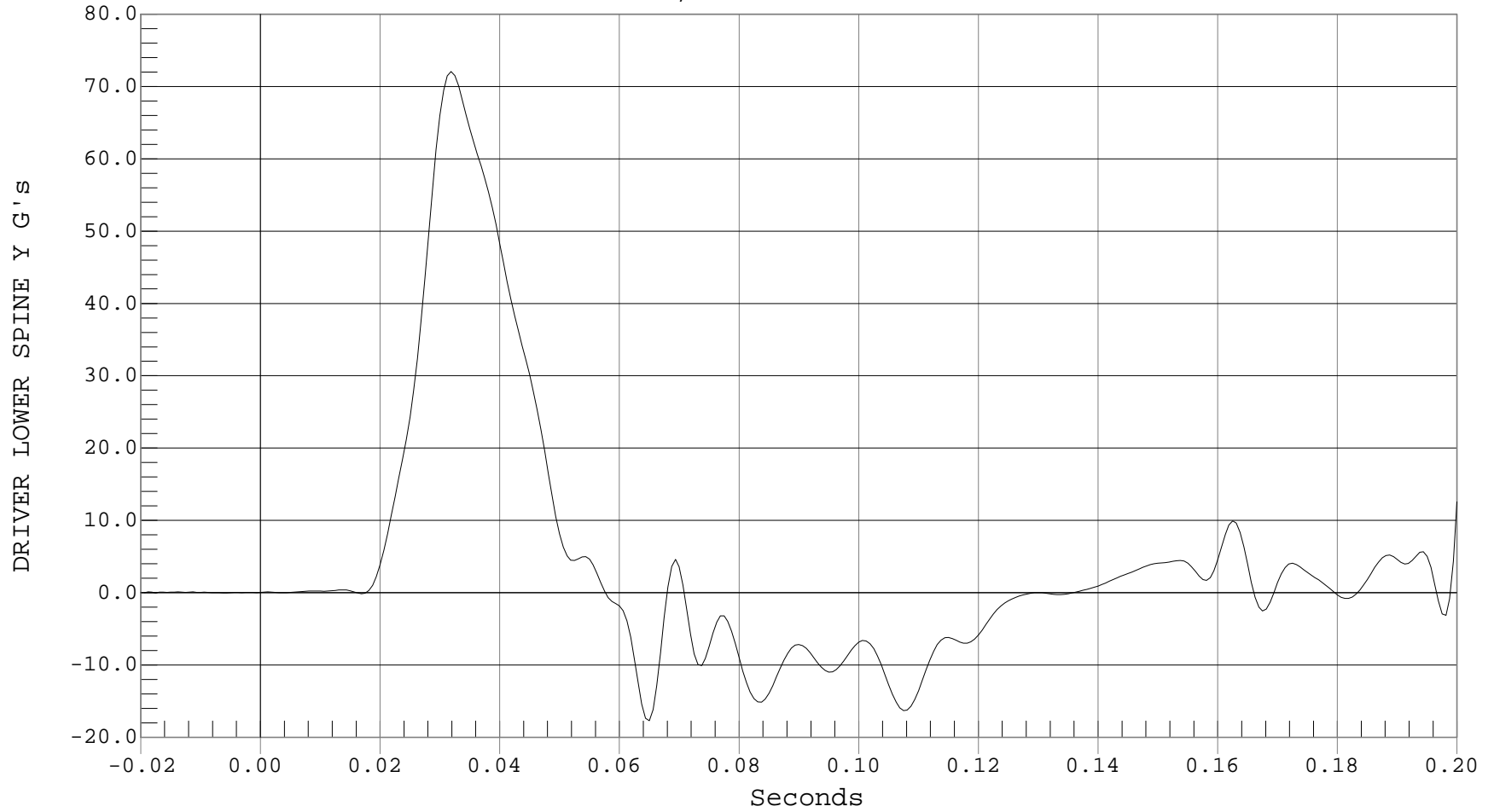
DRIVER LOWER SPINE Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 DRIVER LOWER SPINE Y, B00093FI.R06

Ymin = -17.71 G's @ 0.0650 Seconds, Ymax = 72.08 G's @ 0.0319 Seconds





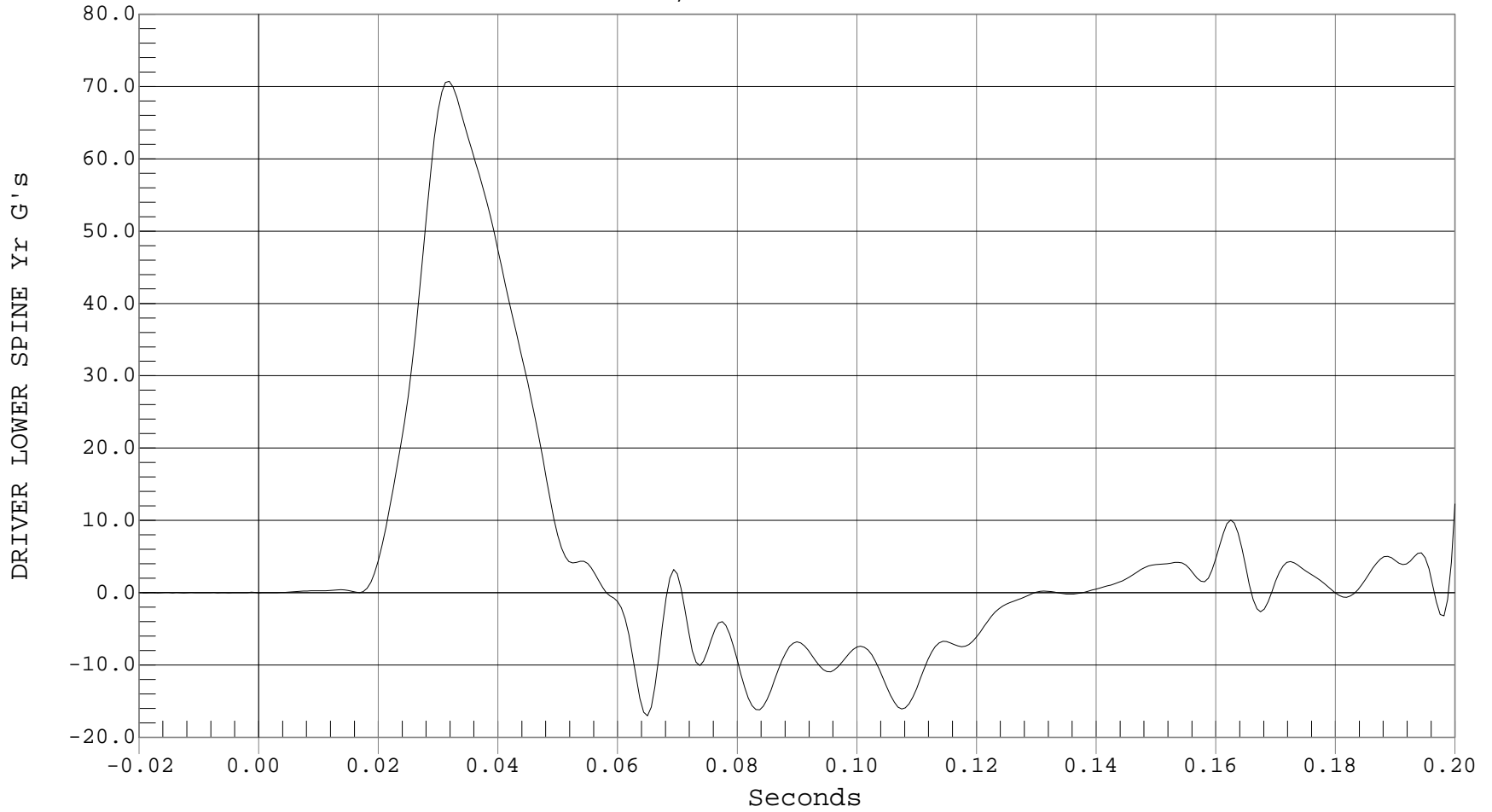
DRIVER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 DRIVER LOWER SPINE Yr, B00093FI.R43

Ymin = -17.02 G's @ 0.0650 Seconds, Ymax = 70.71 G's @ 0.0319 Seconds





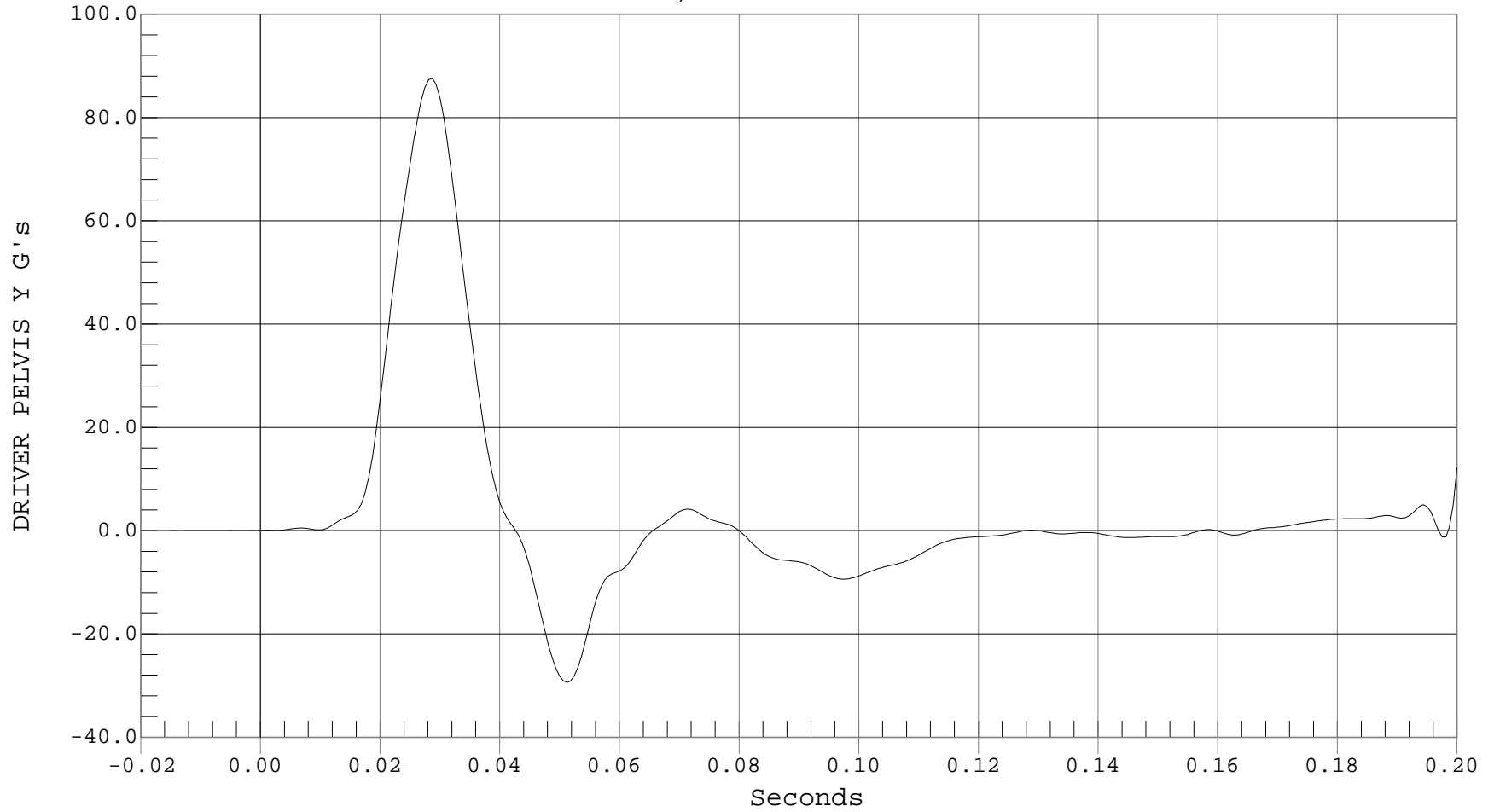
DRIVER PELVIS Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 DRIVER PELVIS Y, B00093FI.R07

Ymin = -29.41 G's @ 0.0513 Seconds, Ymax = 87.58 G's @ 0.0288 Seconds





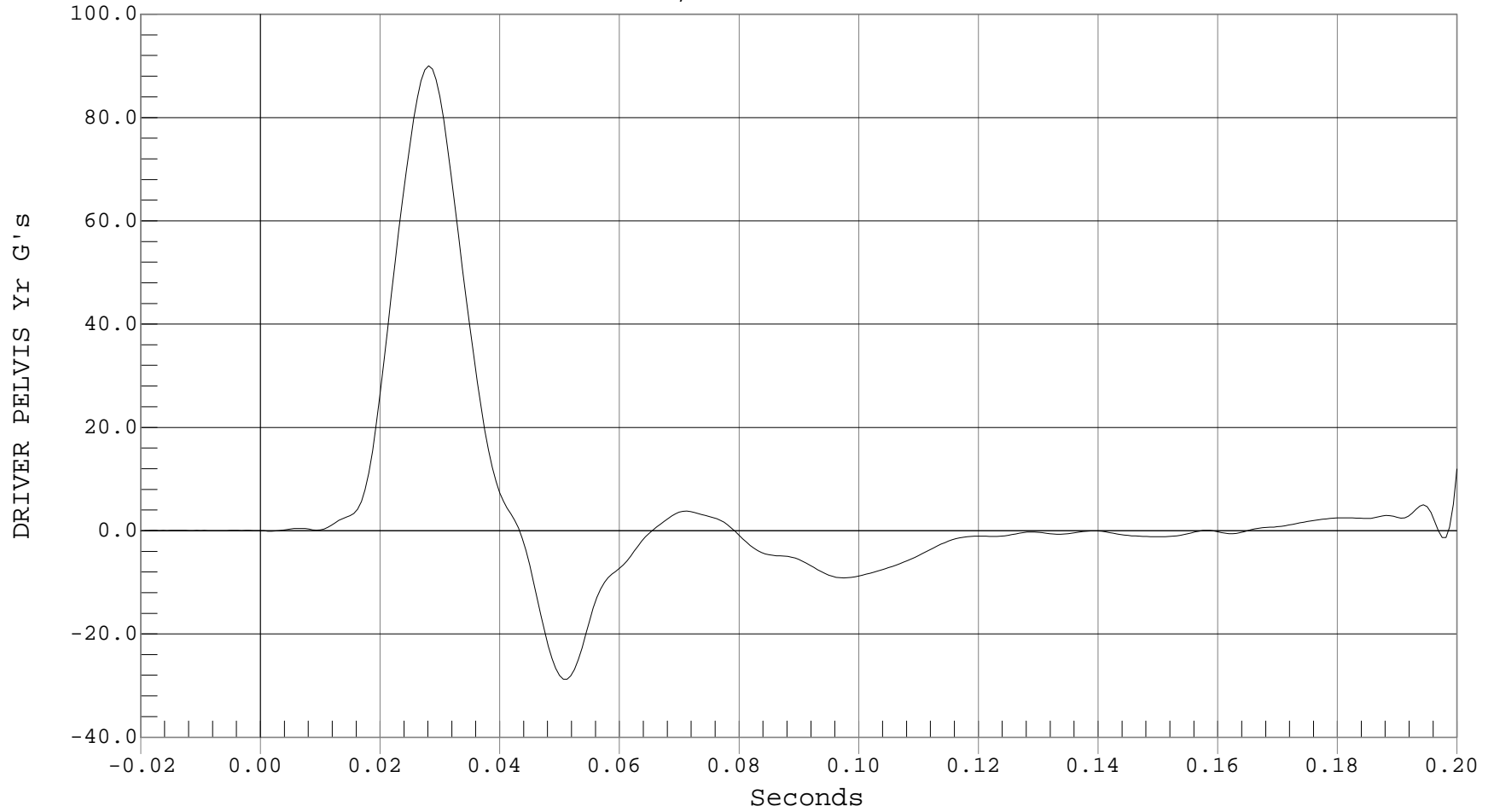
DRIVER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 DRIVER PELVIS Yr, B00093FI.R44

Ymin = -28.79 G's @ 0.0513 Seconds, Ymax = 90.03 G's @ 0.0281 Seconds





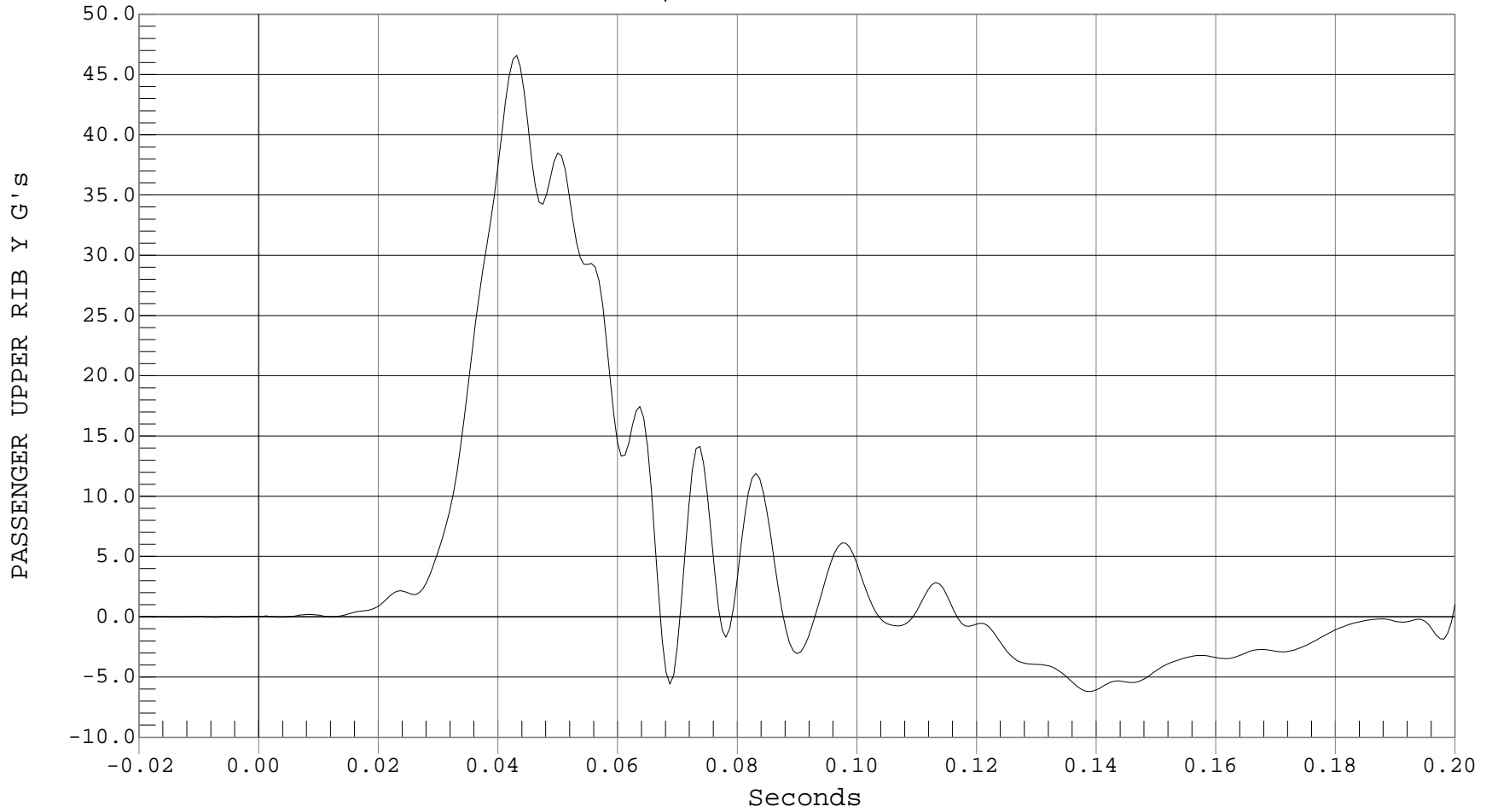
REAR PASSENGER UPPER RIB Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 PASSENGER UPPER RIB Y, B00093FI.R11

Ymin = -6.21 G's @ 0.1388 Seconds, Ymax = 46.57 G's @ 0.0431 Seconds





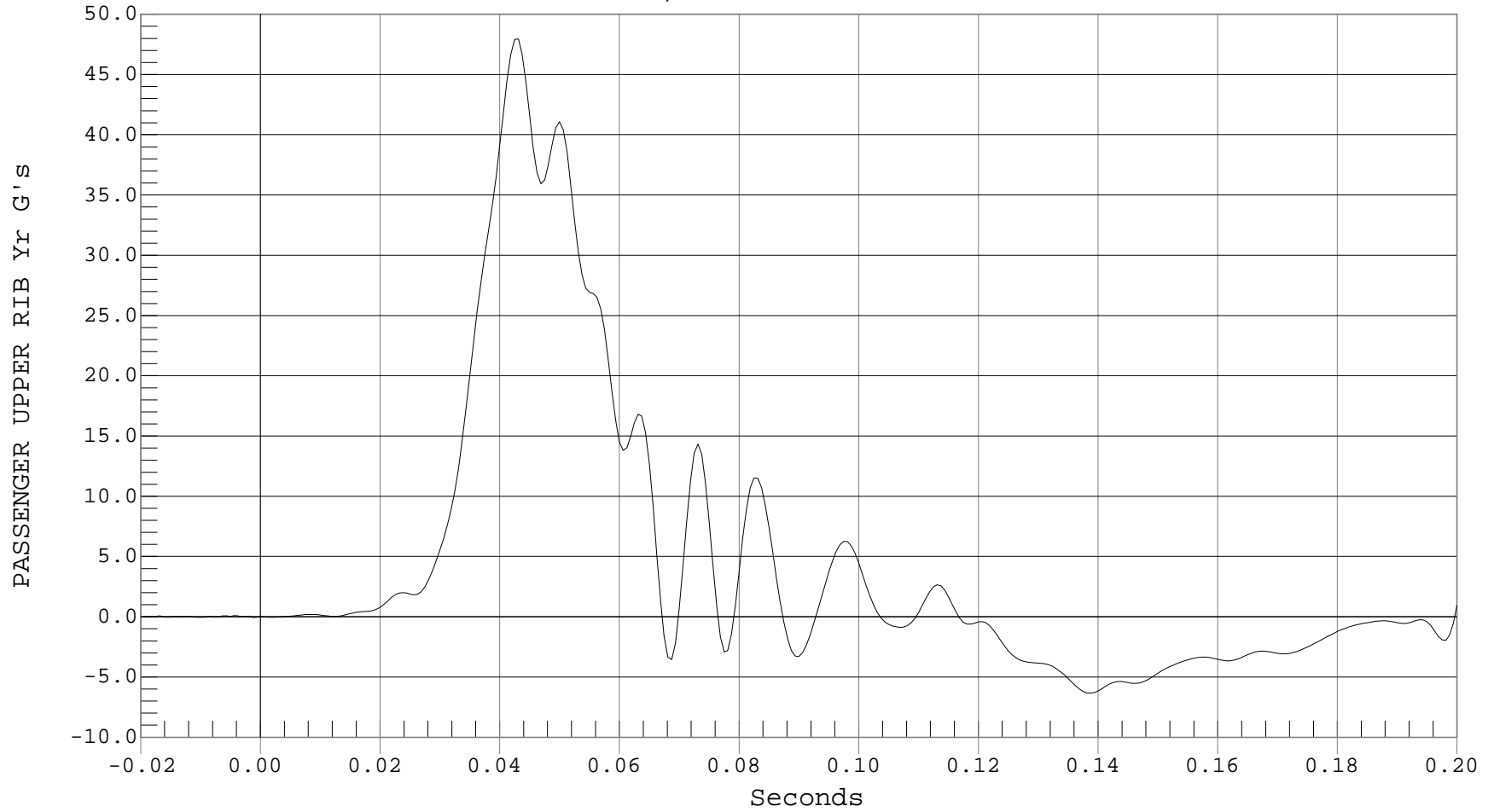
REAR PASSENGER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 PASSENGER UPPER RIB Yr, B00093FI.R45

Ymin = -6.35 G's @ 0.1388 Seconds, Ymax = 47.94 G's @ 0.0431 Seconds





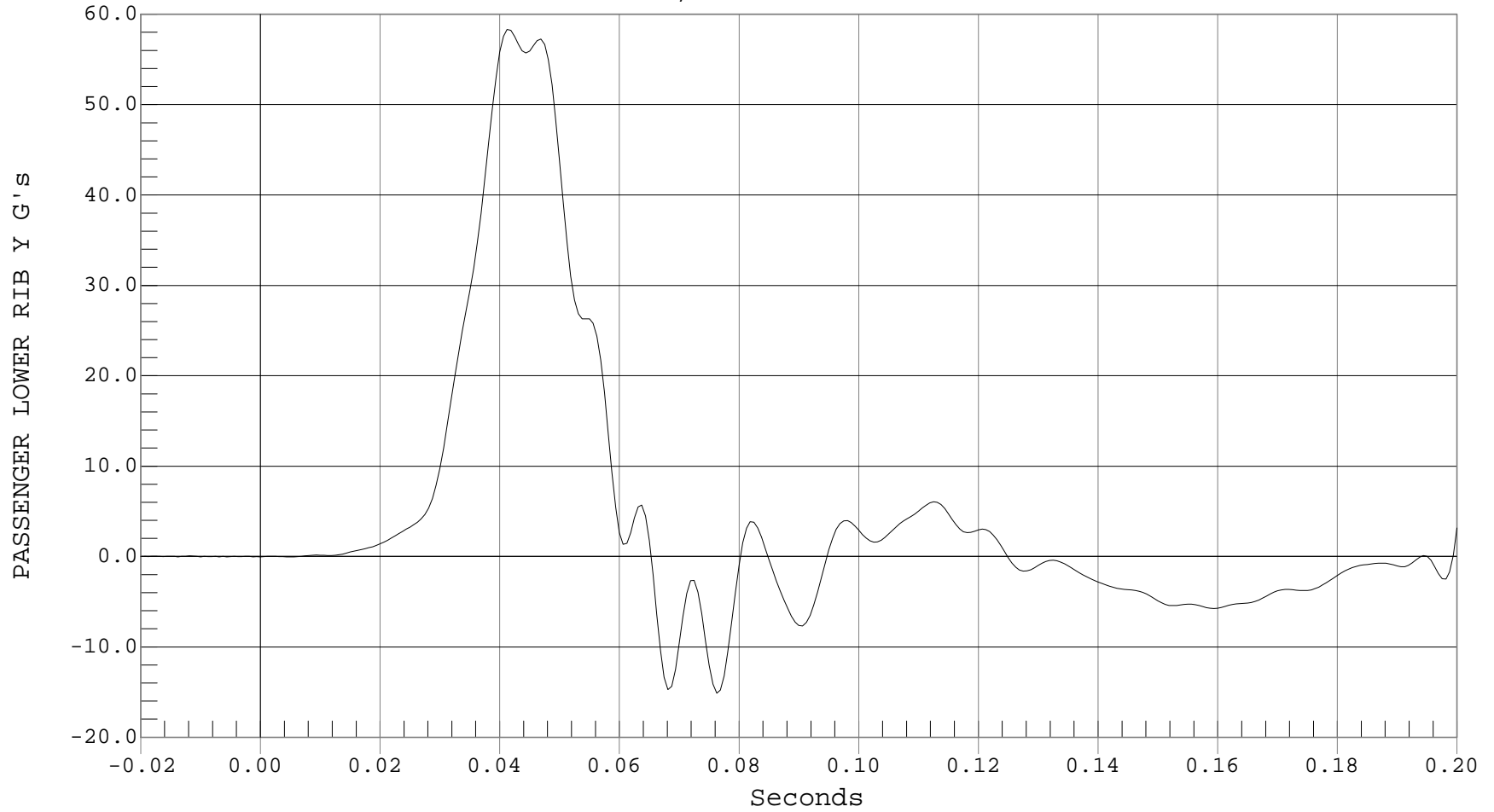
REAR PASSENGER LOWER RIB Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 PASSENGER LOWER RIB Y, B00093FI.R12

Ymin = -15.12 G's @ 0.0763 Seconds, Ymax = 58.33 G's @ 0.0413 Seconds





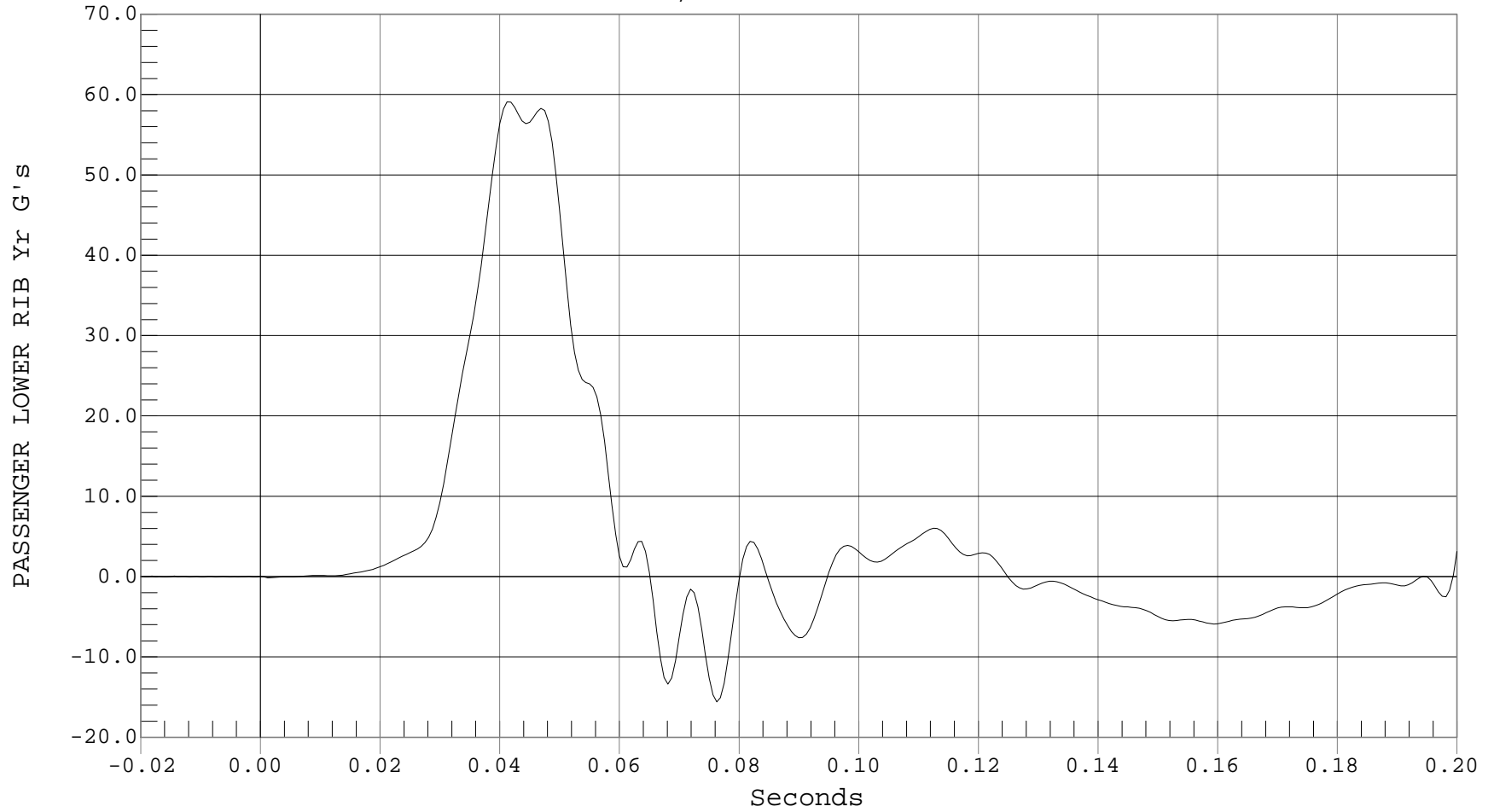
REAR PASSENGER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 PASSENGER LOWER RIB Yr, B00093FI.R46

Ymin = -15.59 G's @ 0.0763 Seconds, Ymax = 59.1 G's @ 0.0413 Seconds





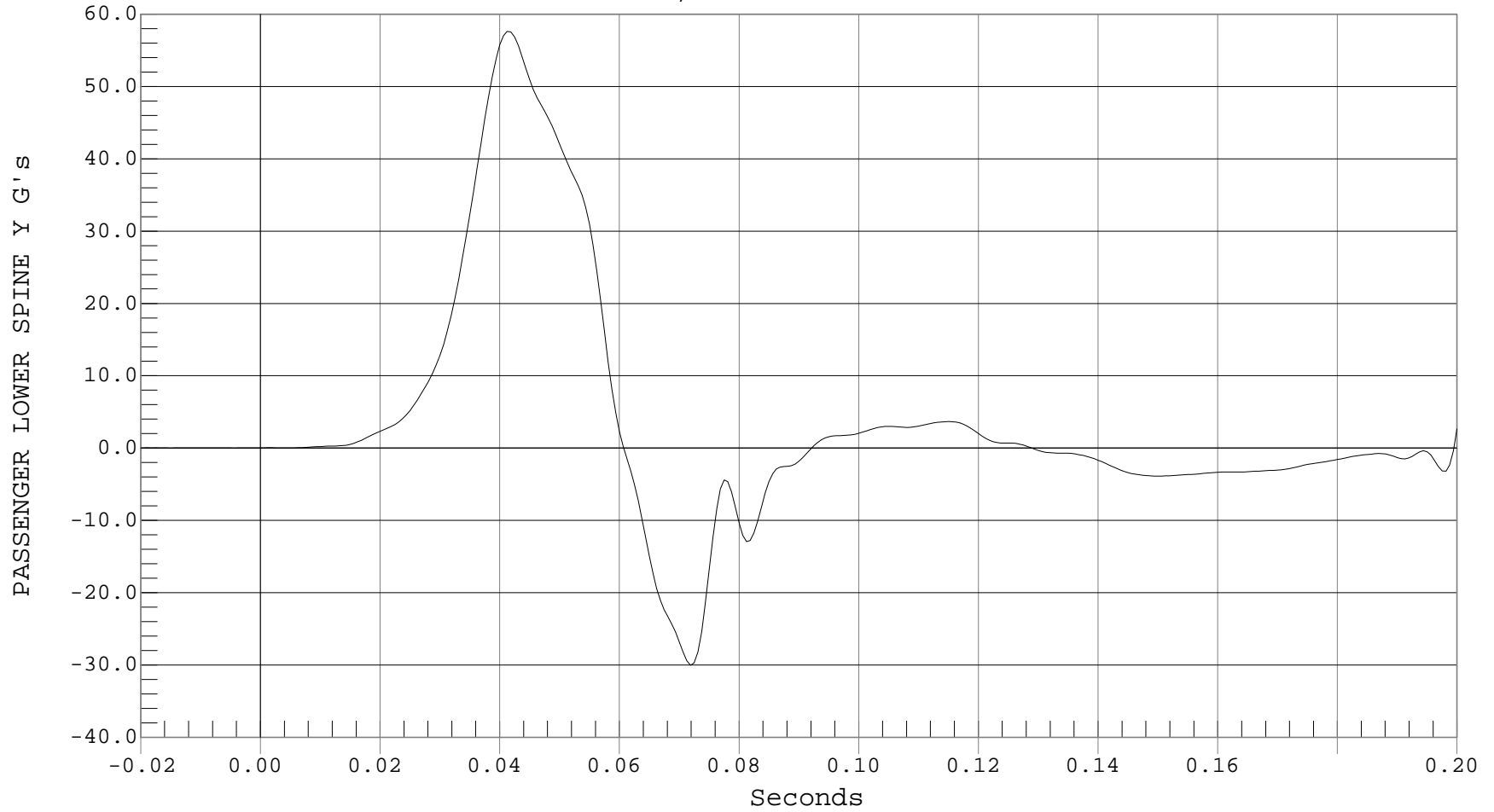
REAR PASSENGER LOWER SPINE Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 PASSENGER LOWER SPINE Y, B00093FI.R13

Ymin = -30.04 G's @ 0.0719 Seconds, Ymax = 57.65 G's @ 0.0413 Seconds



B-130



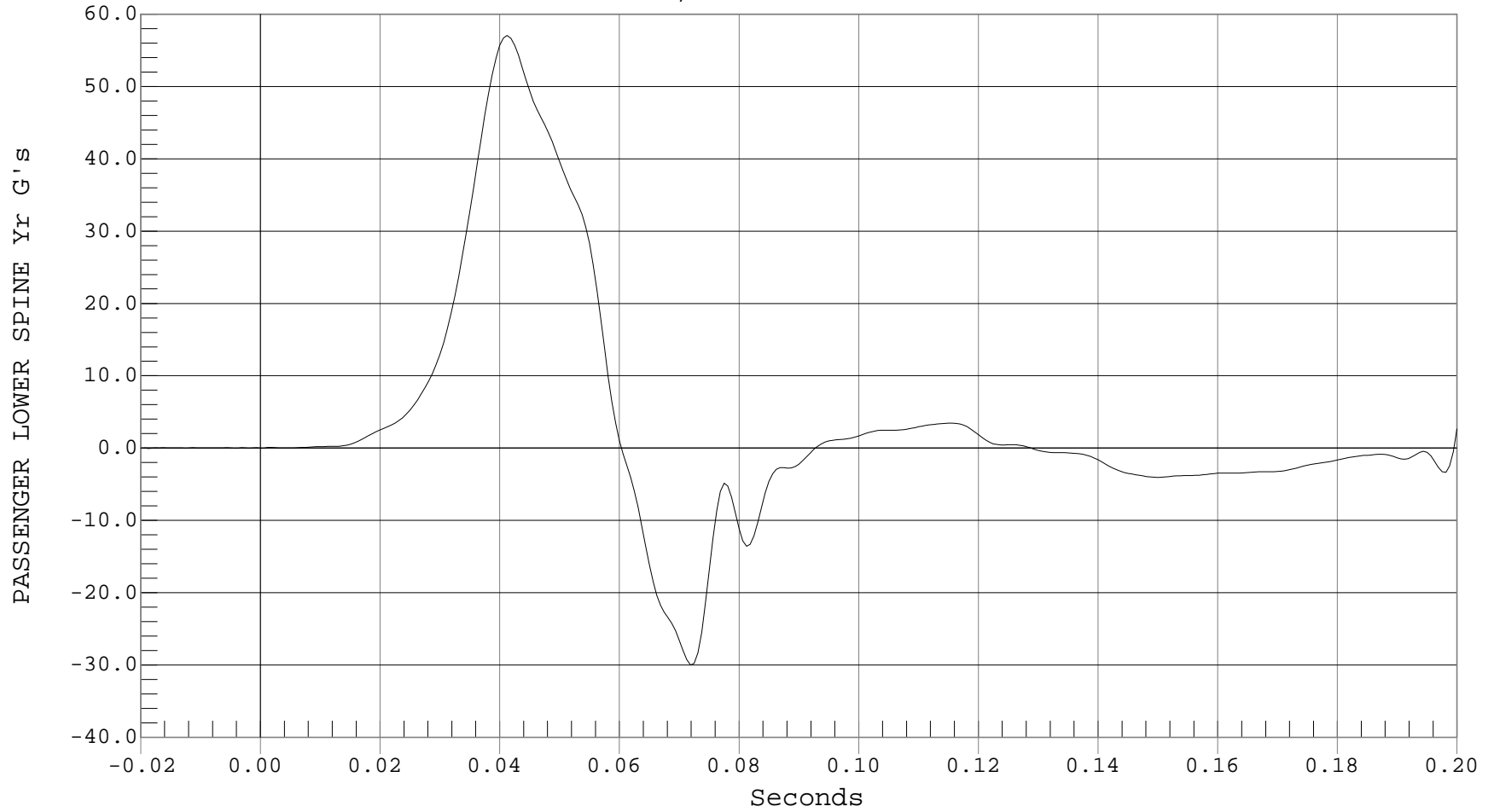
REAR PASSENGER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 PASSENGER LOWER SPINE Yr, B00093FI.R47

Ymin = -30.01 G's @ 0.0719 Seconds, Ymax = 57.05 G's @ 0.0413 Seconds





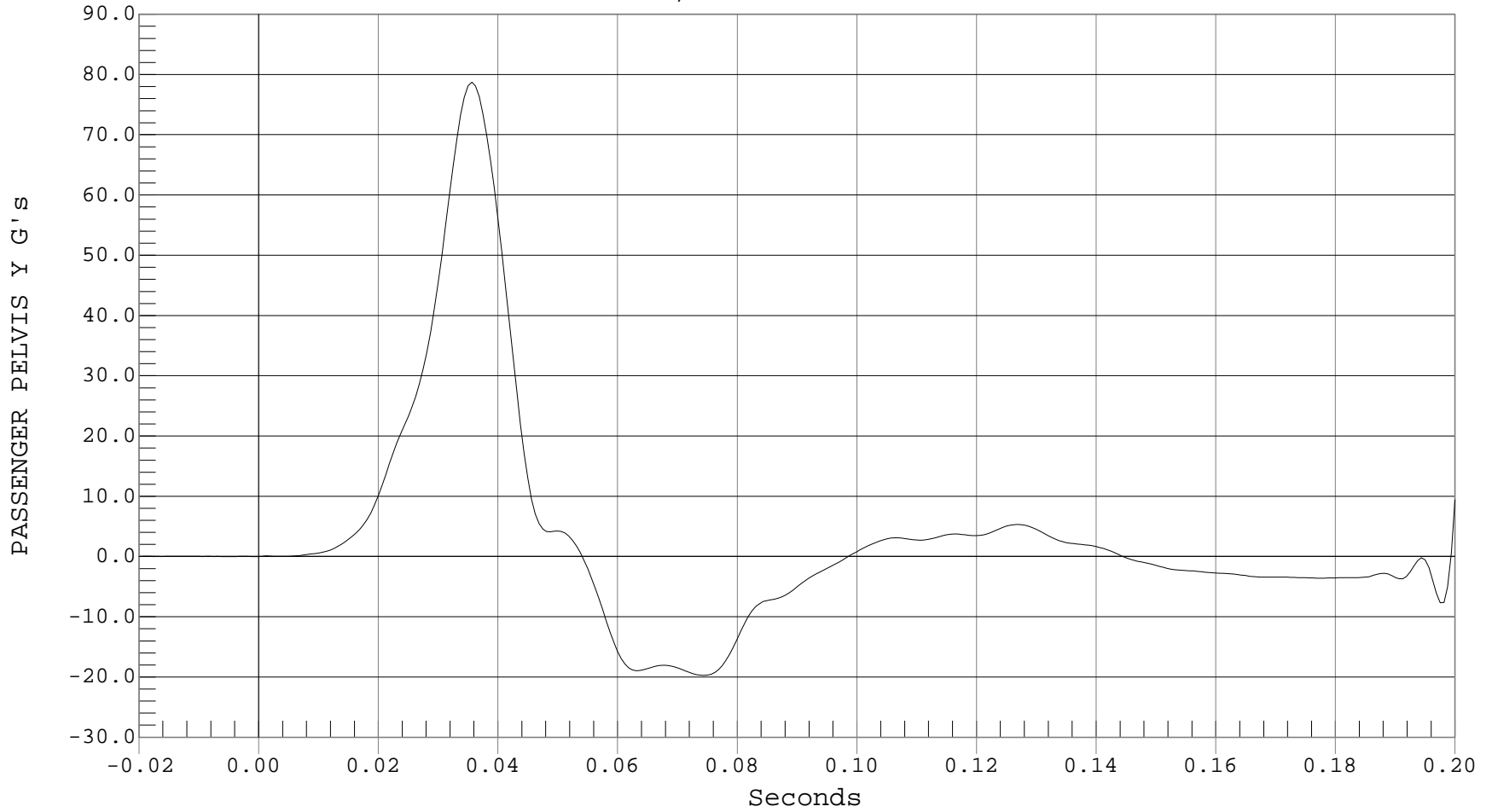
REAR PASSENGER PELVIS Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 PASSENGER PELVIS Y, B00093FI.R14

Ymin = -19.73 G's @ 0.0744 Seconds, Ymax = 78.75 G's @ 0.0356 Seconds





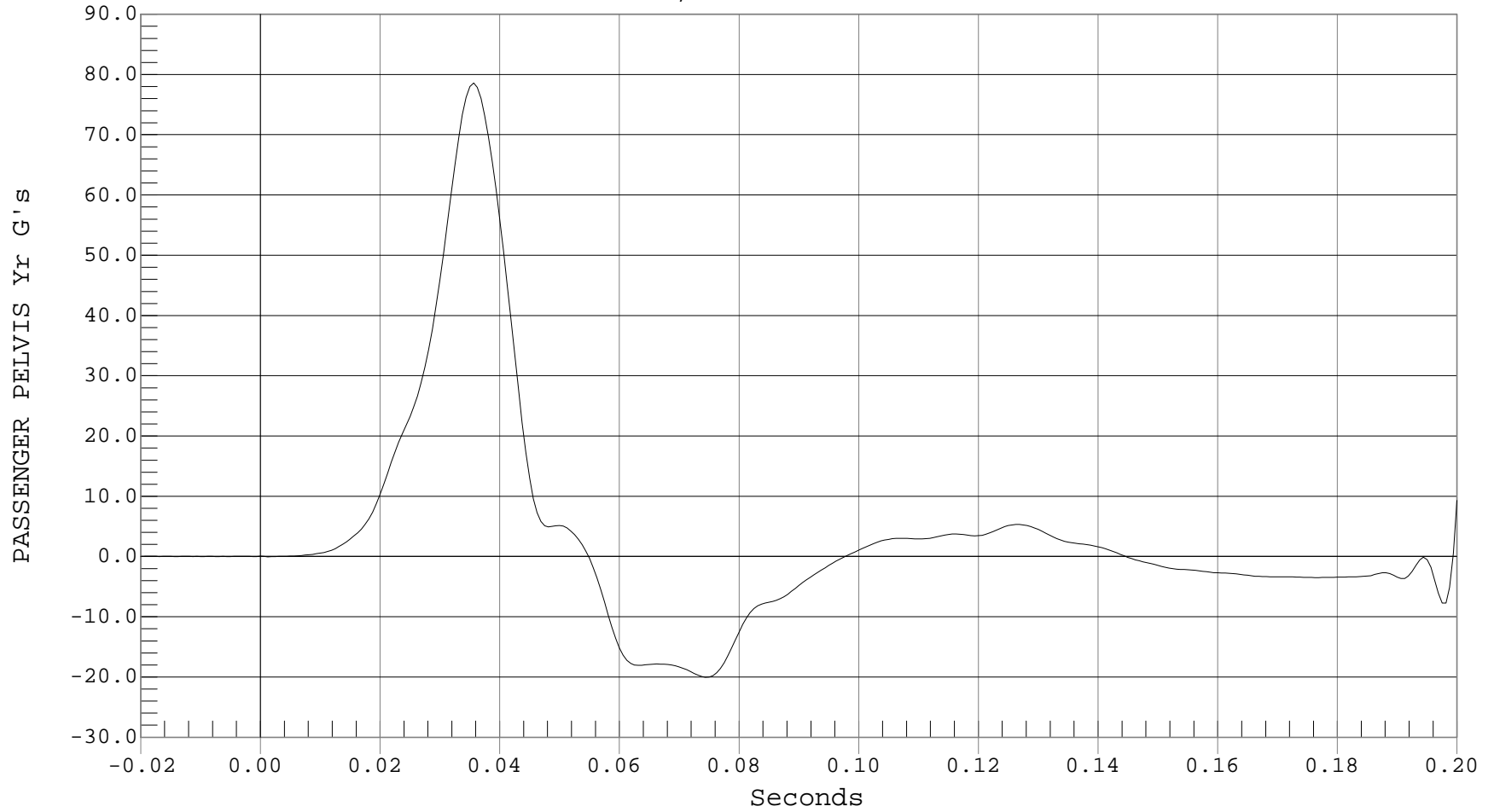
REAR PASSENGER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: NCAP SIDE IMPACT
Component: 2001 NISSAN MAXIMA GXE 4 DR
Other Info:

Test Date: 11-06-00
Speed: 38.4 MPH, 61.8 KPH
Fir Filtered

— 1 PASSENGER PELVIS Yr, B00093FI.R48

Ymin = -20.03 G's @ 0.0744 Seconds, Ymax = 78.58 G's @ 0.0356 Seconds



APPENDIX C
SID CONFIGURATION AND PERFORMANCE VERIFICATION

CERTIFICATION DATA

Dummy Serial Number: 272

Calibration Test Results Summary

Dummy Serial Number: 272

Pre-Test Calibration

External Dimensions:	The dummy passed all external dimension requirements.
Head Drop Test:	The head passed all drop test requirements.
Thorax Impact Test:	The thorax passed all impact test requirements.
Pelvic Impact Test:	The pelvis passed all impact test requirements.
Abdominal Compression Test:	The abdomen passed all compression test requirements.
Lumbar Flexion Test:	The lumbar passed all flexion test requirements.

SIDE IMPACT DUMMY CONFIGURATION AND PERFORMANCE VERIFICATION DATA

Dummy Serial Number: 272
Date of Verification: 11/1/00
Test Number: D00135

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	898
RH-Rib Height (mm)	501 – 521	515
HP-Hip Pivot Height (mm)	99 ref.	99
RD-Rib From Back Line (mm)	229 - 241	234
KV-Knee Pivot From Back Line (mm)	511 – 526	523
SW-Knee Pivot to Floor (mm)	490 – 505	493
HW – Hip Width (mm)	356 – 391	375

Technician: _____

Approved By: _____

MGA RESEARCH CORPORATION
HEAD DROP TEST
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 272
Test Number: D001351

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 - 25.5	21.0°
Relative Humidity (%)	10 - 70	37%
Peak Resultant Acceleration	210 - 260 g's	245
Peak Lateral Acceleration	< 10 g's	-2
Time Above 100 g.	0.9 - 1.5 msec.	1.2

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



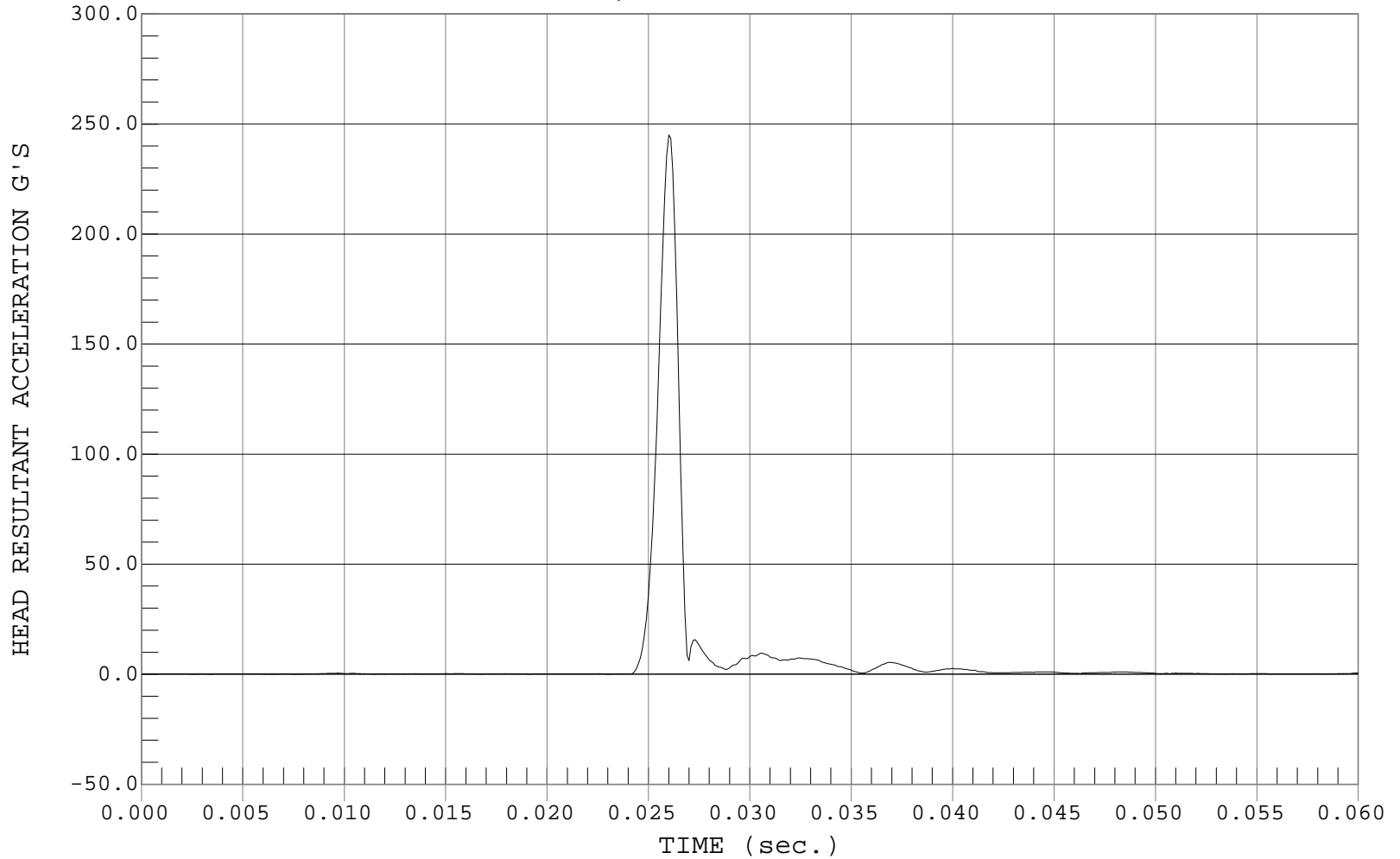
PEAK RESULTANT ACCELERATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #272

Test Date: 11-01-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD RESULTANT ACCELERATION, D00351av.a01

Ymin = .05 G'S @ 0.0001 sec., Ymax = 245.05 G'S @ 0.0260 sec.





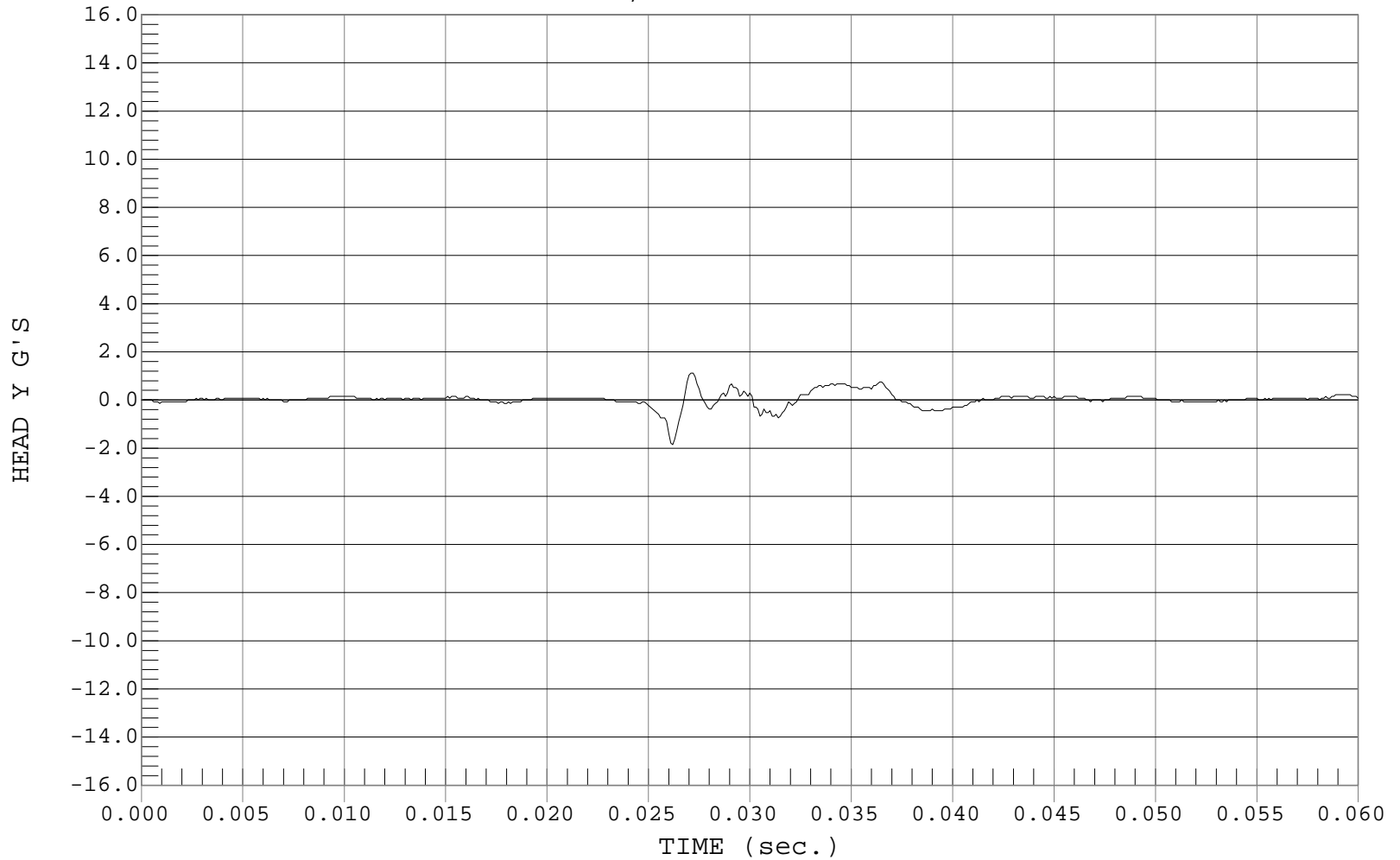
PEAK LATERAL ACCELARATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #272

Test Date: 11-01-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD Y, D00351AR.A02

Ymin = -1.86 G'S @ 0.0262 sec., Ymax = 1.12 G'S @ 0.0271 sec.



MGA RESEARCH CORPORATION
THORAX IMPACT TEST
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 272
Test Number: D001352

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0°
Relative Humidity (%)	10 – 70	37%
Probe Speed (m/s)	4.27 – 4.33	4.33
Upper Rib (g's)	37 – 46	41
Lower Rib (g's)	37 – 46	39
Lower Spine (g's)	15 - 22	20

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



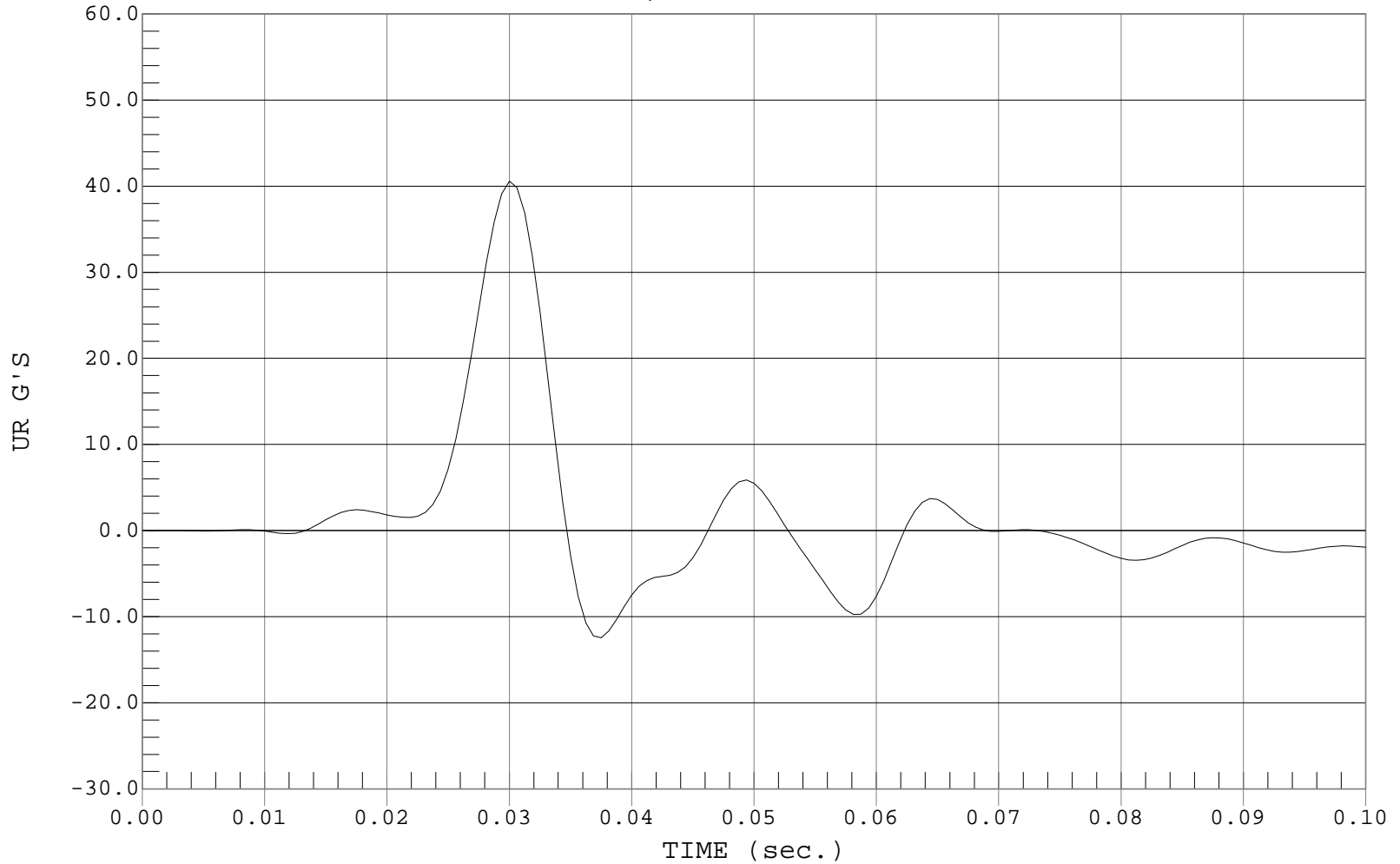
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #272

Test Date: 11-01-00
Speed: 14.19 FT/SEC, 4.33 M/SEC

— 1 UR, D00352FI.R08

Ymin = -12.45 G'S @ 0.0375 sec., Ymax = 40.56 G'S @ 0.0300 sec.





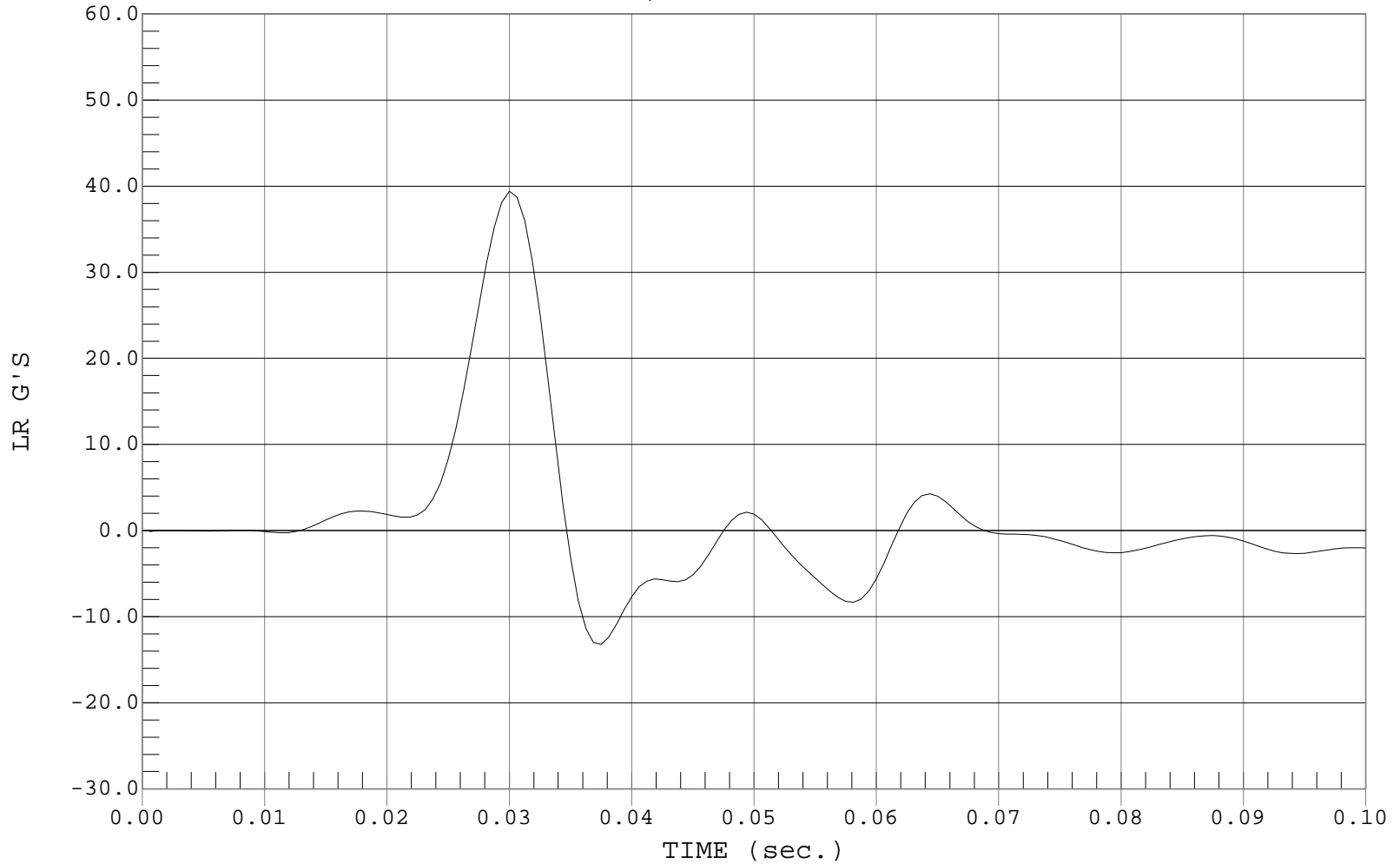
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #272

Test Date: 11-01-00
Speed: 14.19 FT/SEC, 4.33 M/SEC

— 1 LR, D00352FI.R09

Ymin = -13.24 G'S @ 0.0375 sec., Ymax = 39.41 G'S @ 0.0300 sec.





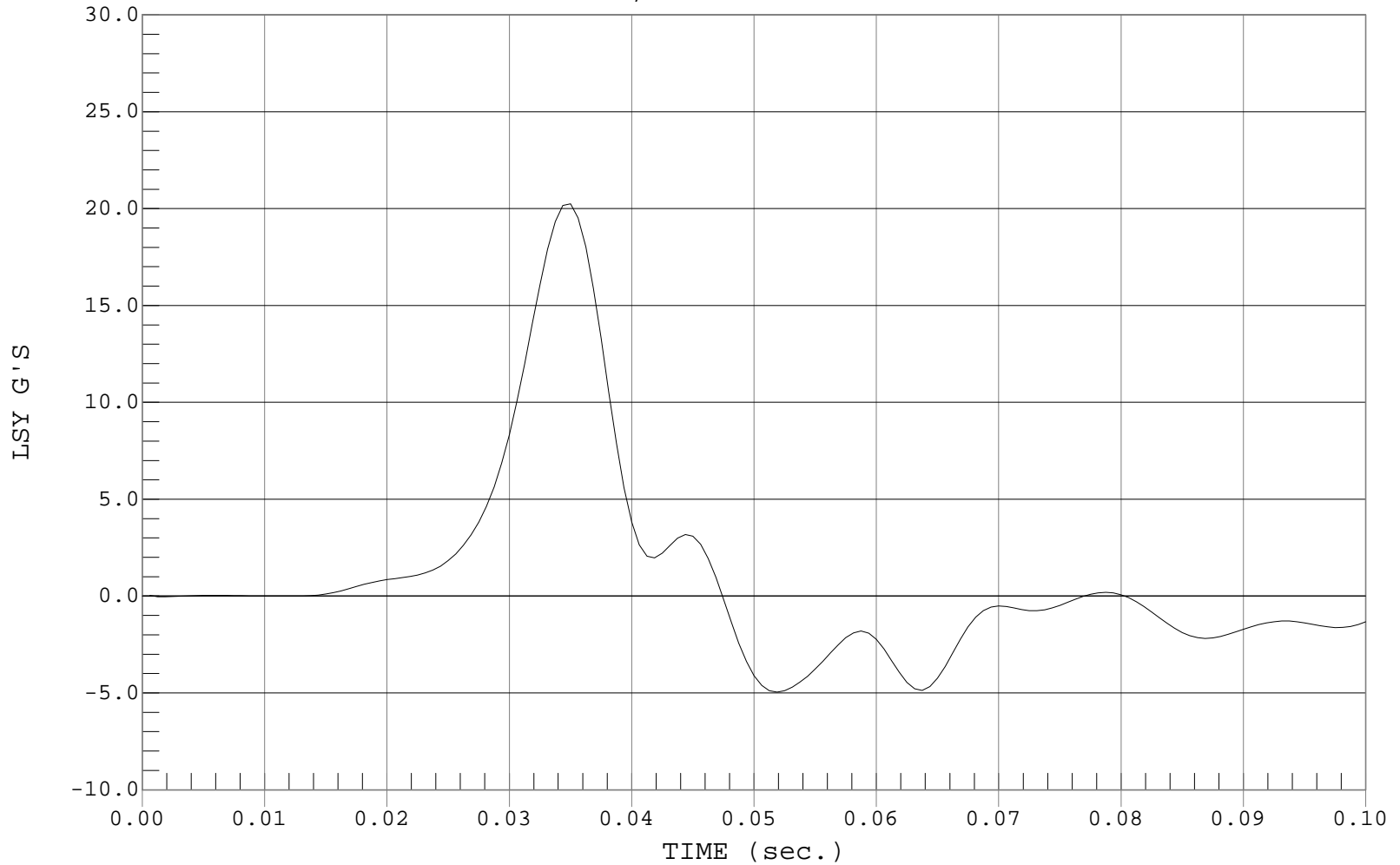
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #272

Test Date: 11-01-00
Speed: 14.19 FT/SEC, 4.33 M/SEC

— 1 LSY, D00352FI.R10

Ymin = -4.96 G'S @ 0.0519 sec., Ymax = 20.24 G'S @ 0.0350 sec.



C-10

MGA RESEARCH CORPORATION
PELVIS IMPACT TEST
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 272
Test Number: D001353

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0°
Relative Humidity (%)	10 – 70	37%
Probe Speed (m/s)	4.27 – 4.33	4.31
Pelvis Acceleration (g's)	40 – 60	49

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



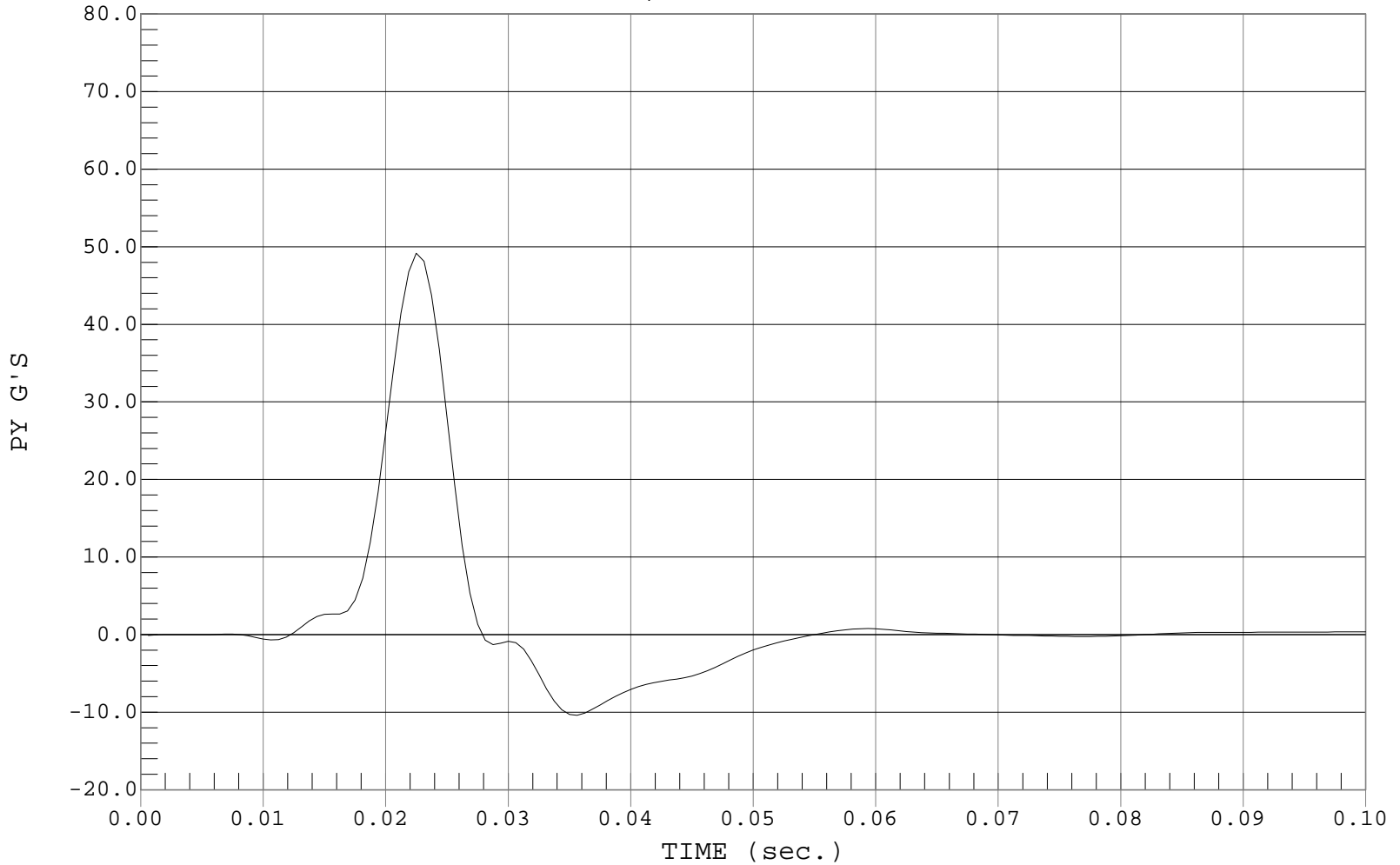
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #272

Test Date: 11-01-00
Speed: 14.15 FT/SEC, 4.31 M/SEC

— 1 PY, D00353FI.R11

Ymin = -10.38 G'S @ 0.0356 sec., Ymax = 49.17 G'S @ 0.0225 sec.



MGA RESEARCH CORPORATION
ABDOMINAL COMPRESSION TEST (PRELOAD = 10 LBS)
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 272
Test Number: D001354

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0°
Relative Humidity (%)	10 – 70	41%
Force @ 12.7 mm	104 – 162	142
Force @ 19 mm	163 – 222	198
Force @ 25.4 mm	222 – 280	261
Force @ 33 mm	325 - 391	367

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



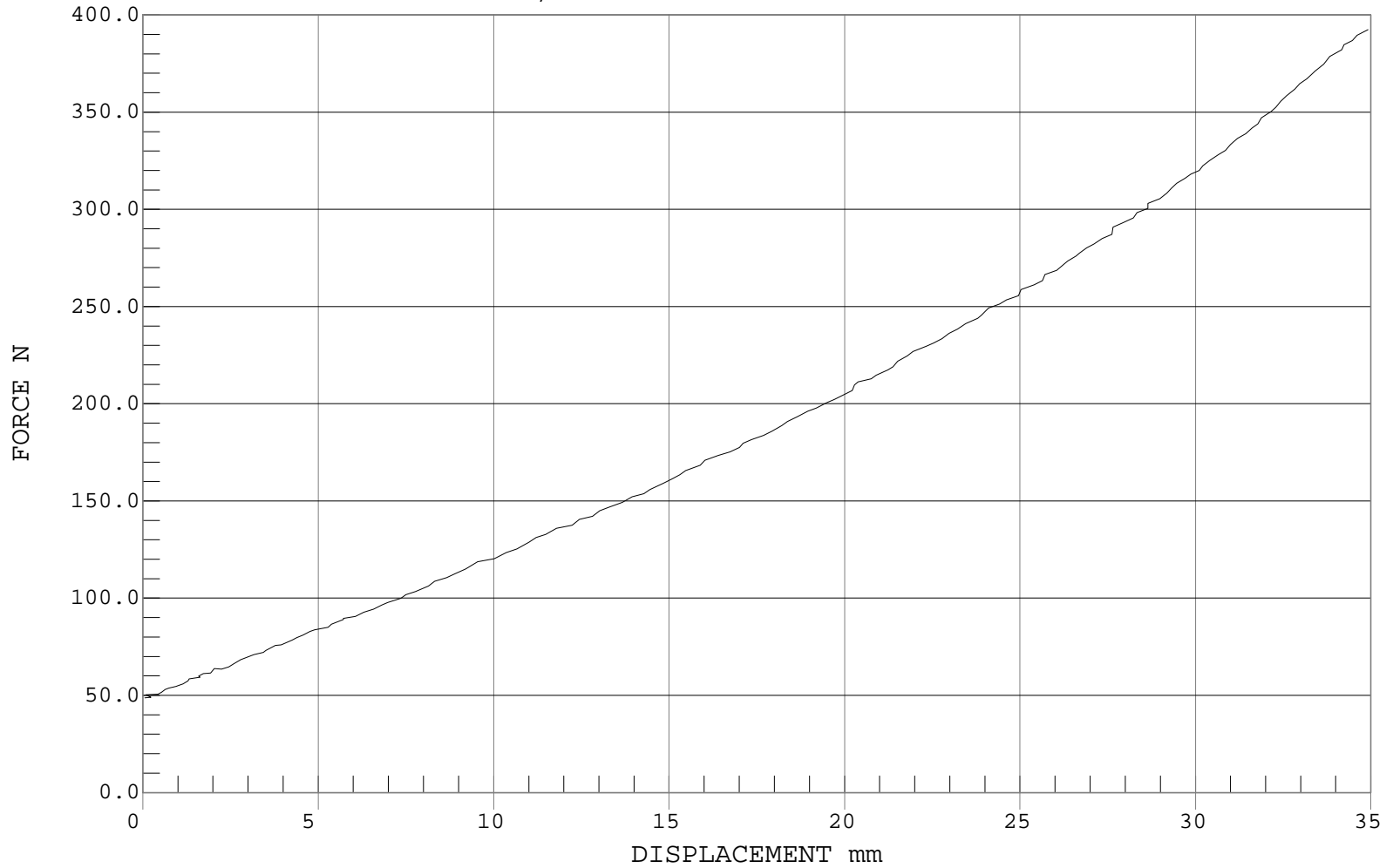
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 272

Test Date: 11-01-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

1 FORCE, D00354FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 473.36 N @ 39.2484 mm



MGA RESEARCH CORPORATION
LUMBAR FLEXION TEST
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 272
Test Number: D001355

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0°
Relative Humidity (%)	10 – 70	37%
Force @ 0°	0 – 26.7	0
Force @ 20°	97.9 – 151.2	109.7
Force @ 30°	151.2 – 204.6	161.8
Force @ 40°	204.6 – 258.0	258.0
Return Angle	12° maximum	2°

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



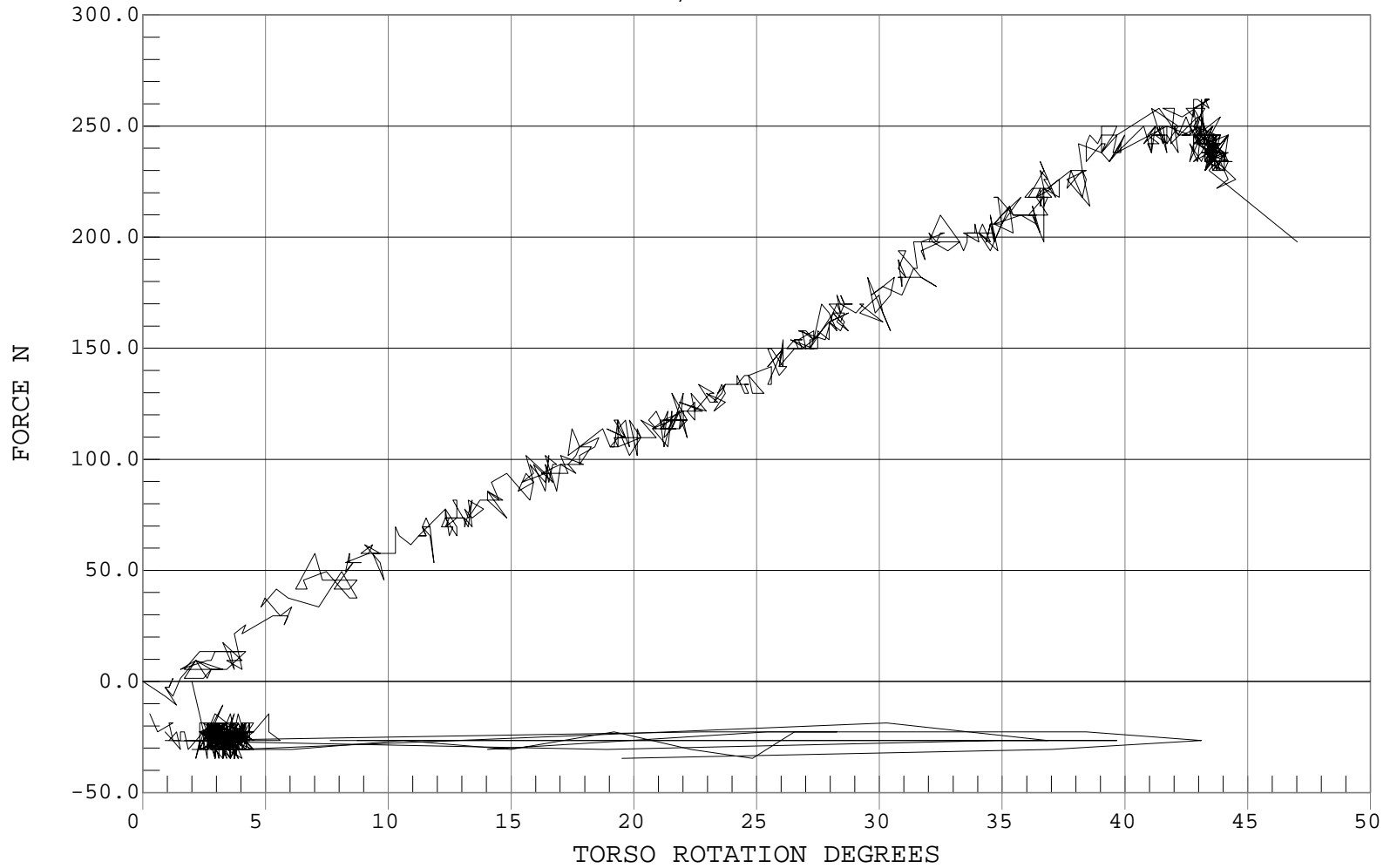
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 272

Test Date: 11-01-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D00355FC.F14

Ymin = -38.65 N @ -1.5853 DEGREES, Ymax = 262.03 N @ 43.4224 DEGREES



CERTIFICATION DATA

Dummy Serial Number: 271

Calibration Test Results Summary

Dummy Serial Number: 271

Pre-Test Calibration

External Dimensions:	The dummy passed all external dimension requirements.
Head Drop Test:	The head passed all drop test requirements.
Thorax Impact Test:	The thorax passed all impact test requirements.
Pelvic Impact Test:	The pelvis passed all impact test requirements.
Abdominal Compression Test:	The abdomen passed all compression test requirements.
Lumbar Flexion Test:	The lumbar passed all flexion test requirements.

SIDE IMPACT DUMMY CONFIGURATION AND PERFORMANCE VERIFICATION DATA

Dummy Serial Number: 271
 Date of Verification: 11/1/00
 Test Number: D00134

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	900
RH-Rib Height (mm)	501 – 521	516
HP-Hip Pivot Height (mm)	99 ref.	99
RD-Rib From Back Line (mm)	229 – 241	234
KV-Knee Pivot From Back Line (mm)	511 – 526	518
SW-Knee Pivot to Floor (mm)	490 – 505	493
HW – Hip Width (mm)	356 – 391	377

Technician: _____

Approved By: _____

MGA RESEARCH CORPORATION
HEAD DROP TEST
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 271
Test Number: D001341

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 - 25.5	21.0°
Relative Humidity (%)	10 - 70	37%
Peak Resultant Acceleration	210 - 260 g's	244
Peak Lateral Acceleration	< 10 g's	-8
Time Above 100 g.	0.9 - 1.5 msec.	1.2

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



PEAK RESULTANT ACCELERATION

Test Desc.: Dummy Calibration - Head Drop

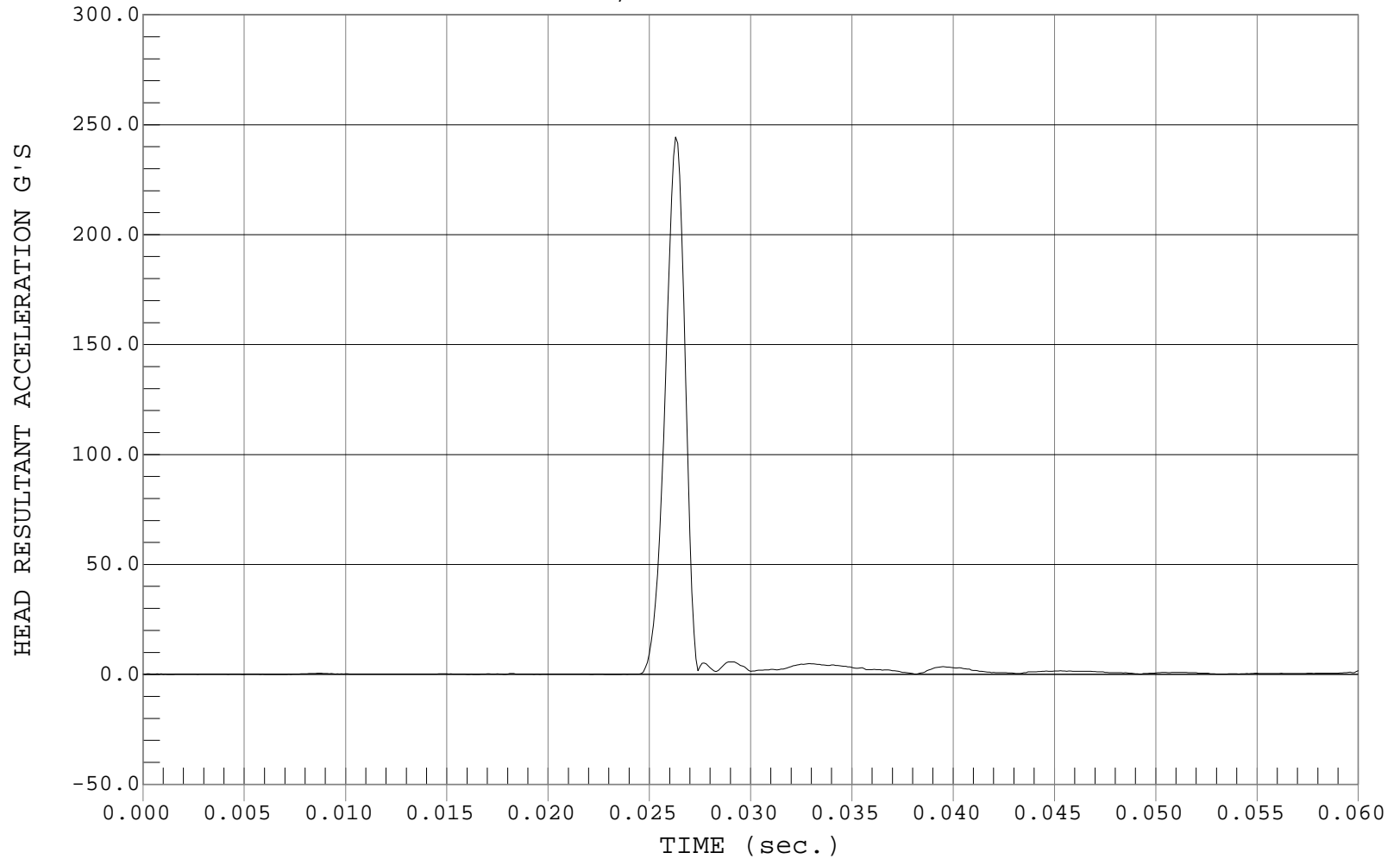
Test Date: 11-01-00

Component: Dummy #271

Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD RESULTANT ACCELERATION, D00341av.a01

Ymin = .06 G'S @ 0.0015 sec., Ymax = 244.47 G'S @ 0.0263 sec.





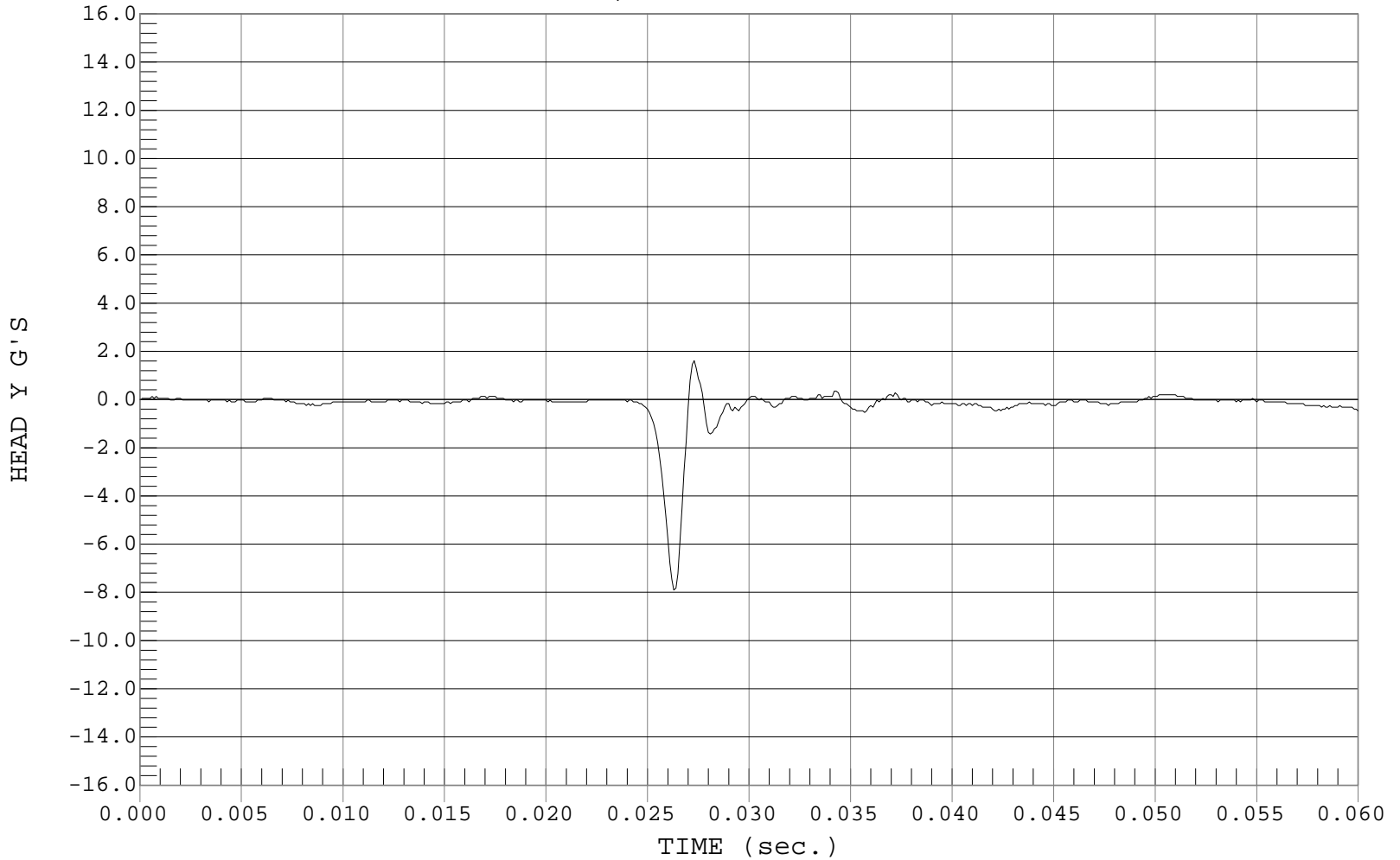
PEAK LATERAL ACCELARATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #271

Test Date: 11-01-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD Y, D00341AR.A02

Ymin = -7.9 G'S @ 0.0263 sec., Ymax = 1.61 G'S @ 0.0273 sec.



MGA RESEARCH CORPORATION
THORAX IMPACT TEST
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 271
Test Number: D001342

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0°
Relative Humidity (%)	10 – 70	37%
Probe Speed (m/s)	4.27 – 4.33	4.32
Upper Rib (g's)	37 – 46	42
Lower Rib (g's)	37 – 46	41
Lower Spine (g's)	15 - 22	20

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



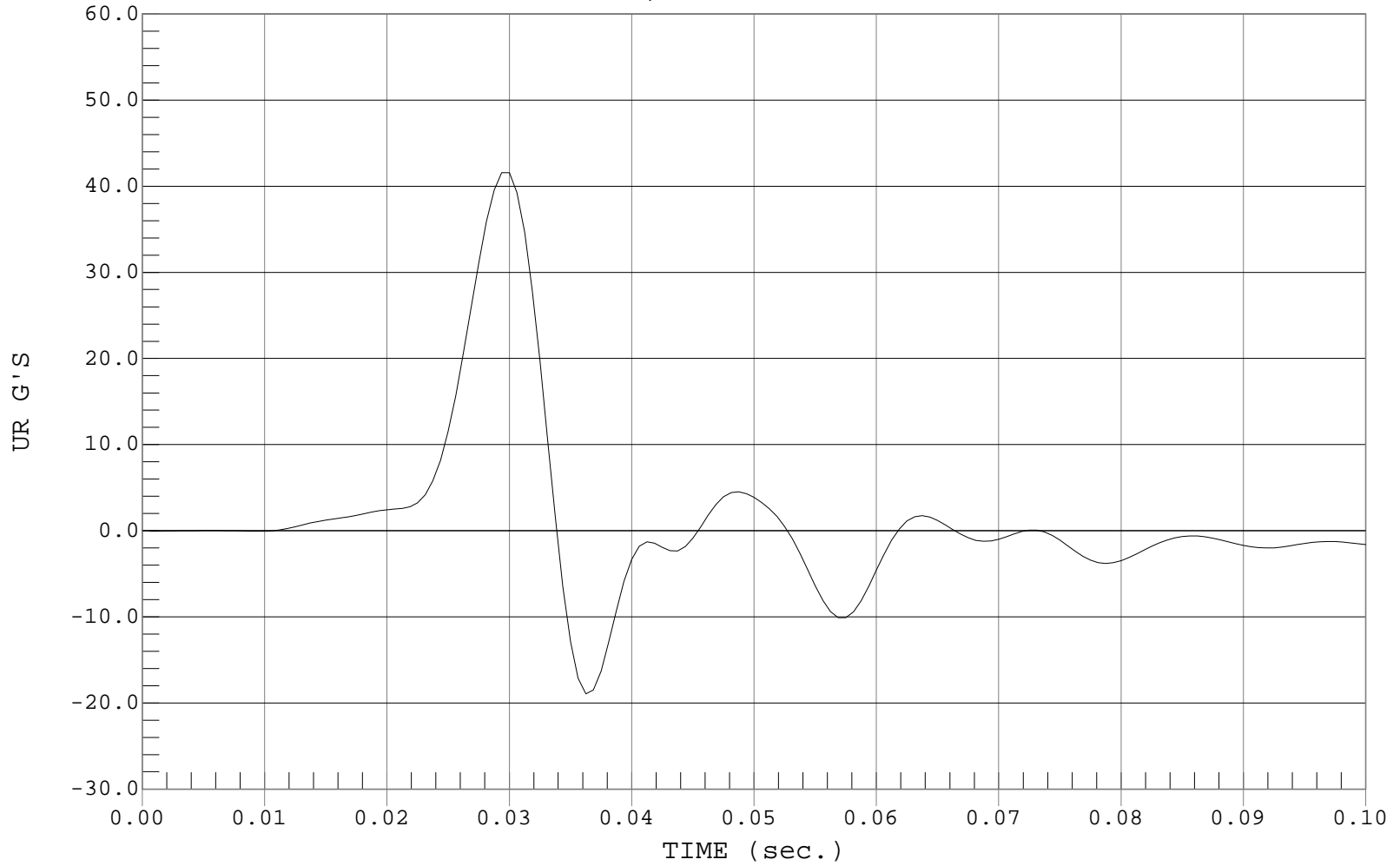
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #271

Test Date: 11-01-00
Speed: 14.18 FT/SEC, 4.32 M/SEC

— 1 UR, D00342FI.R08

Ymin = -18.94 G'S @ 0.0363 sec., Ymax = 41.57 G'S @ 0.0294 sec.





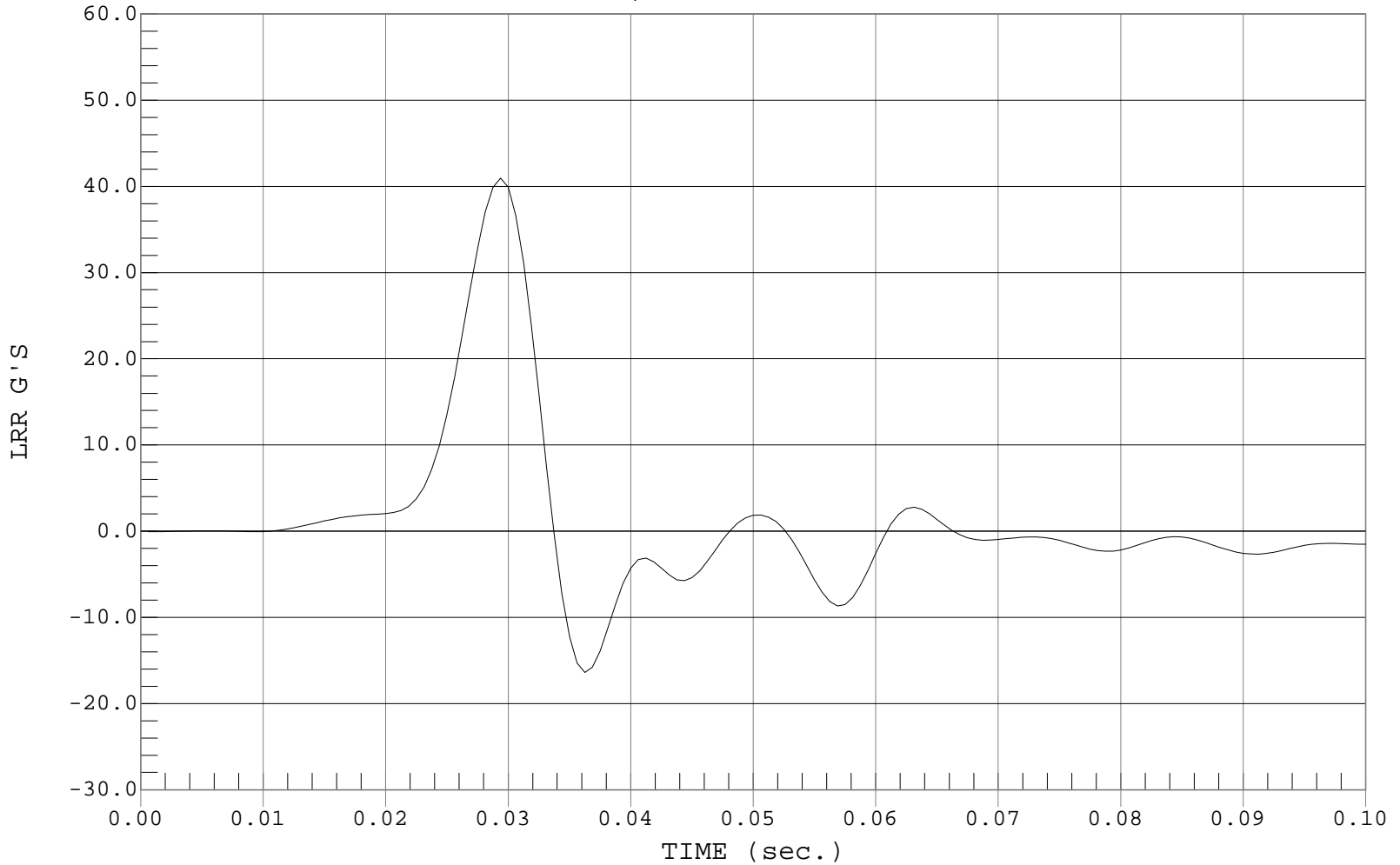
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #271

Test Date: 11-01-00
Speed: 14.18 FT/SEC, 4.32 M/SEC

— 1 LRR, D00342FI.R09

Ymin = -16.4 G'S @ 0.0363 sec., Ymax = 40.98 G'S @ 0.0294 sec.





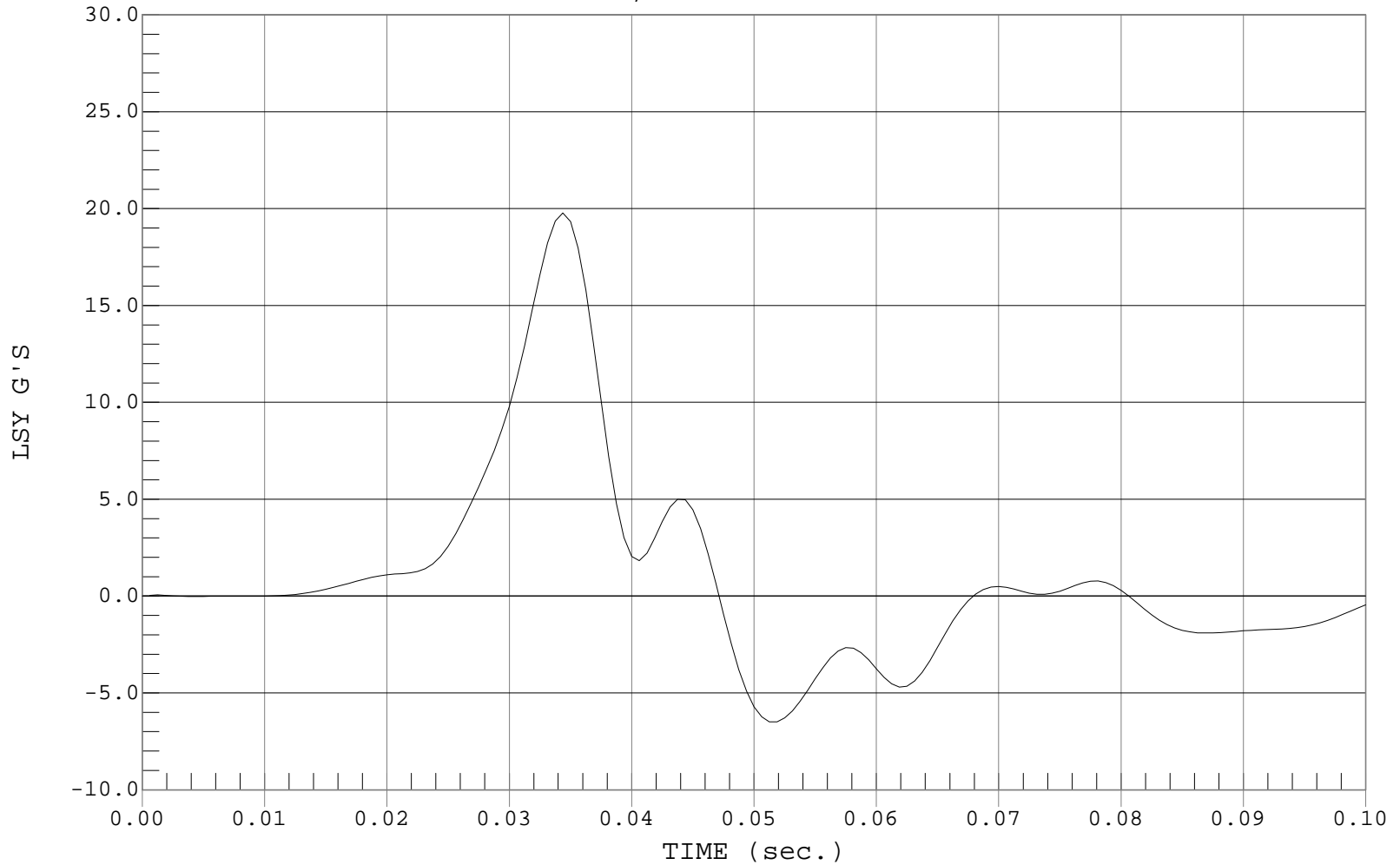
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #271

Test Date: 11-01-00
Speed: 14.18 FT/SEC, 4.32 M/SEC

— 1 LSY, D00342FI.R10

Ymin = -6.49 G'S @ 0.0519 sec., Ymax = 19.77 G'S @ 0.0344 sec.



MGA RESEARCH CORPORATION
PELVIS IMPACT TEST
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 271
Test Number: D001343

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0°
Relative Humidity (%)	10 – 70	37%
Probe Speed (m/s)	4.27 – 4.33	4.31
Pelvis Acceleration (g's)	40 – 60	50

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



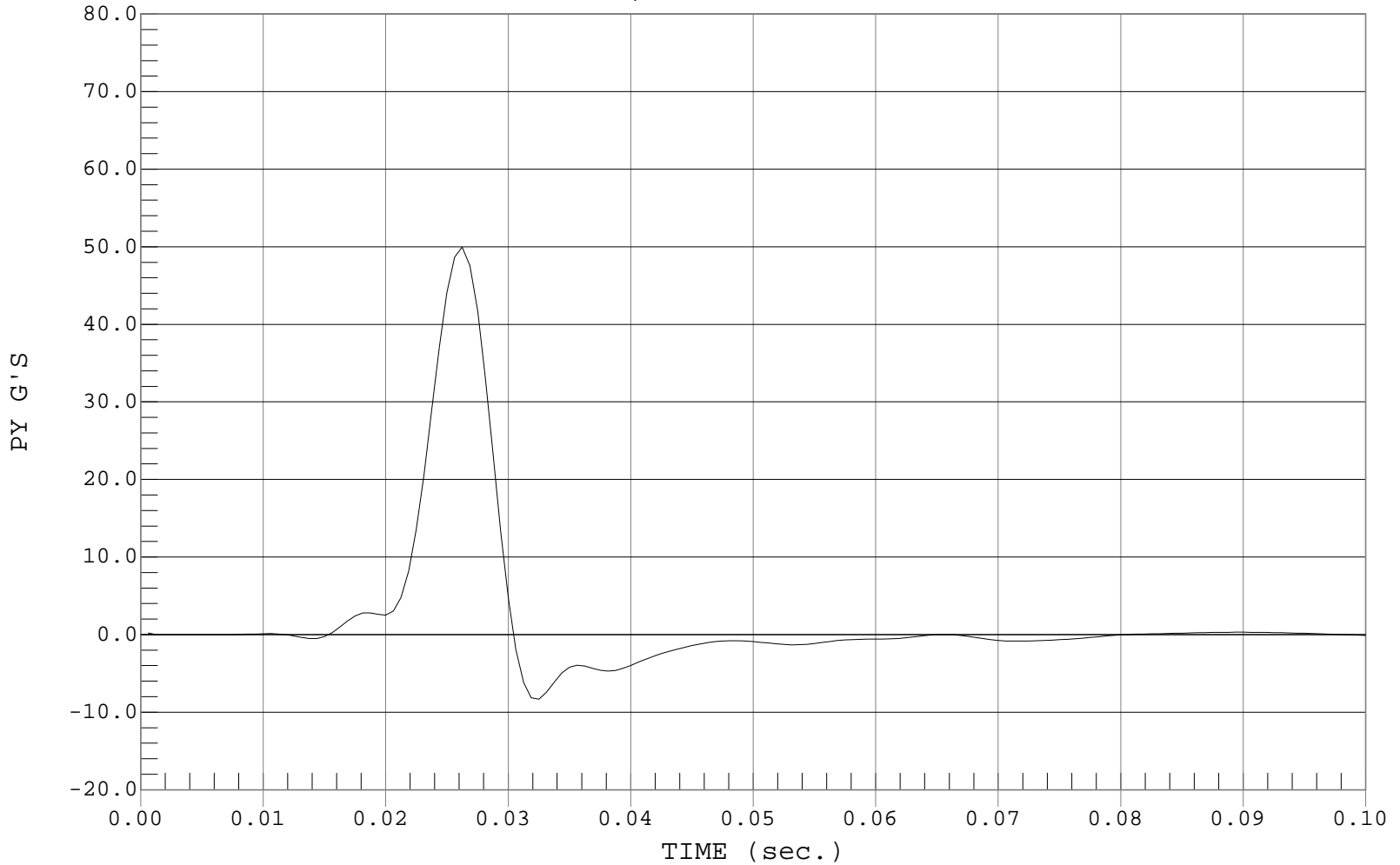
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #271

Test Date: 11-01-00
Speed: 14.15 FT/SEC, 4.31 M/SEC

— 1 PY, D00343FI.R11

Ymin = -8.33 G'S @ 0.0325 sec., Ymax = 49.97 G'S @ 0.0263 sec.



MGA RESEARCH CORPORATION
ABDOMINAL COMPRESSION TEST (PRELOAD = 10 LBS)
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 271
Test Number: D001344

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0°
Relative Humidity (%)	10 – 70	41%
Force @ 12.7 mm	104 – 162	158
Force @ 19 mm	163 – 222	215
Force @ 25.4 mm	222 – 280	277
Force @ 33 mm	325 - 391	378

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



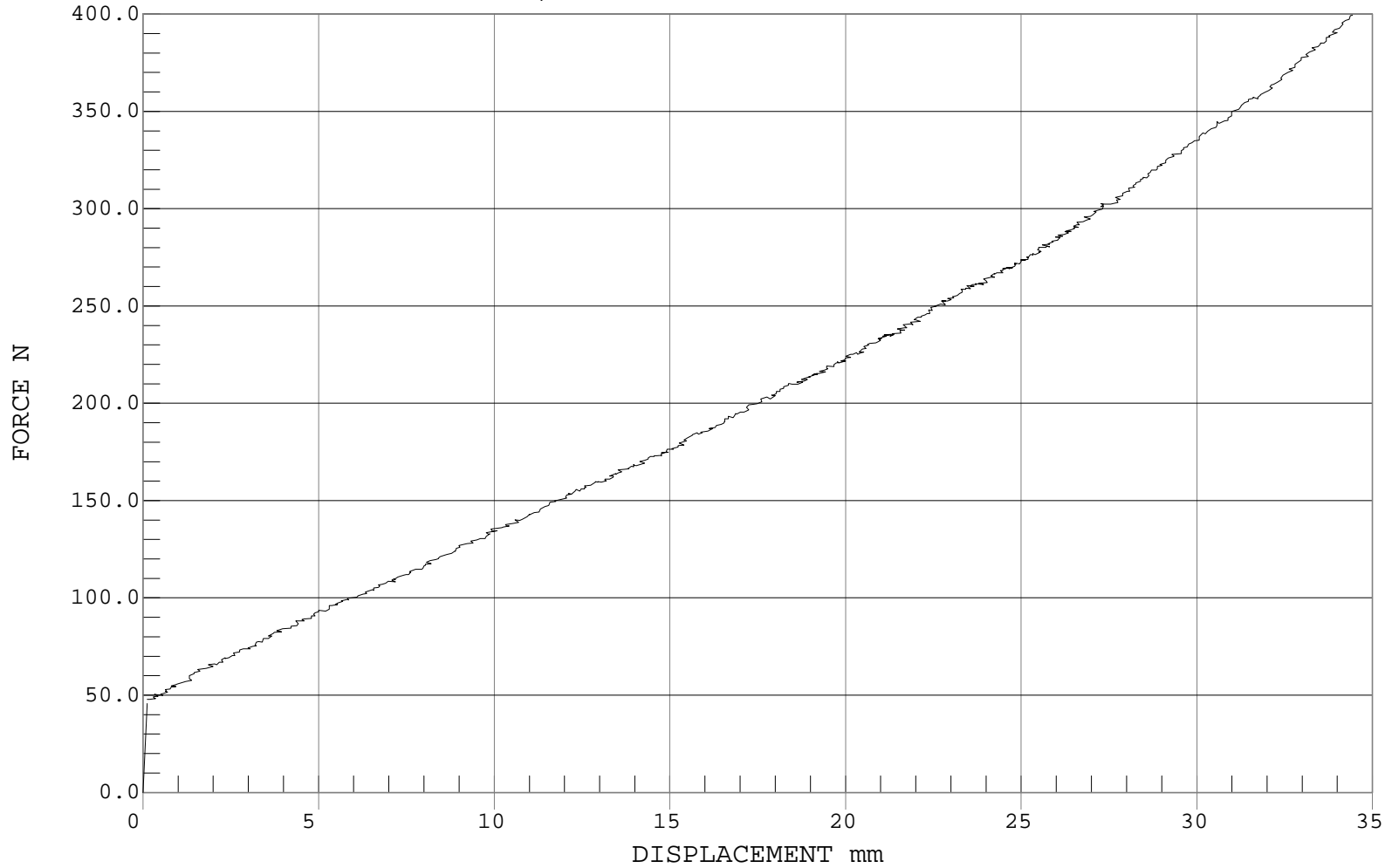
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 271

Test Date: 11-01-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D00344FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 469.53 N @ 39.1418 mm



MGA RESEARCH CORPORATION
LUMBAR FLEXION TEST
SIDE IMPACT DUMMY (SID)

Date: 11/1/00
Dummy Serial Number: 271
Test Number: D001345

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0°
Relative Humidity (%)	10 – 70	37%
Force @ 0°	0 – 26.7	0
Force @ 20°	97.9 – 151.2	121.4
Force @ 30°	151.2 – 204.6	197.5
Force @ 40°	204.6 – 258.0	249.7
Return Angle	12° maximum	1°

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



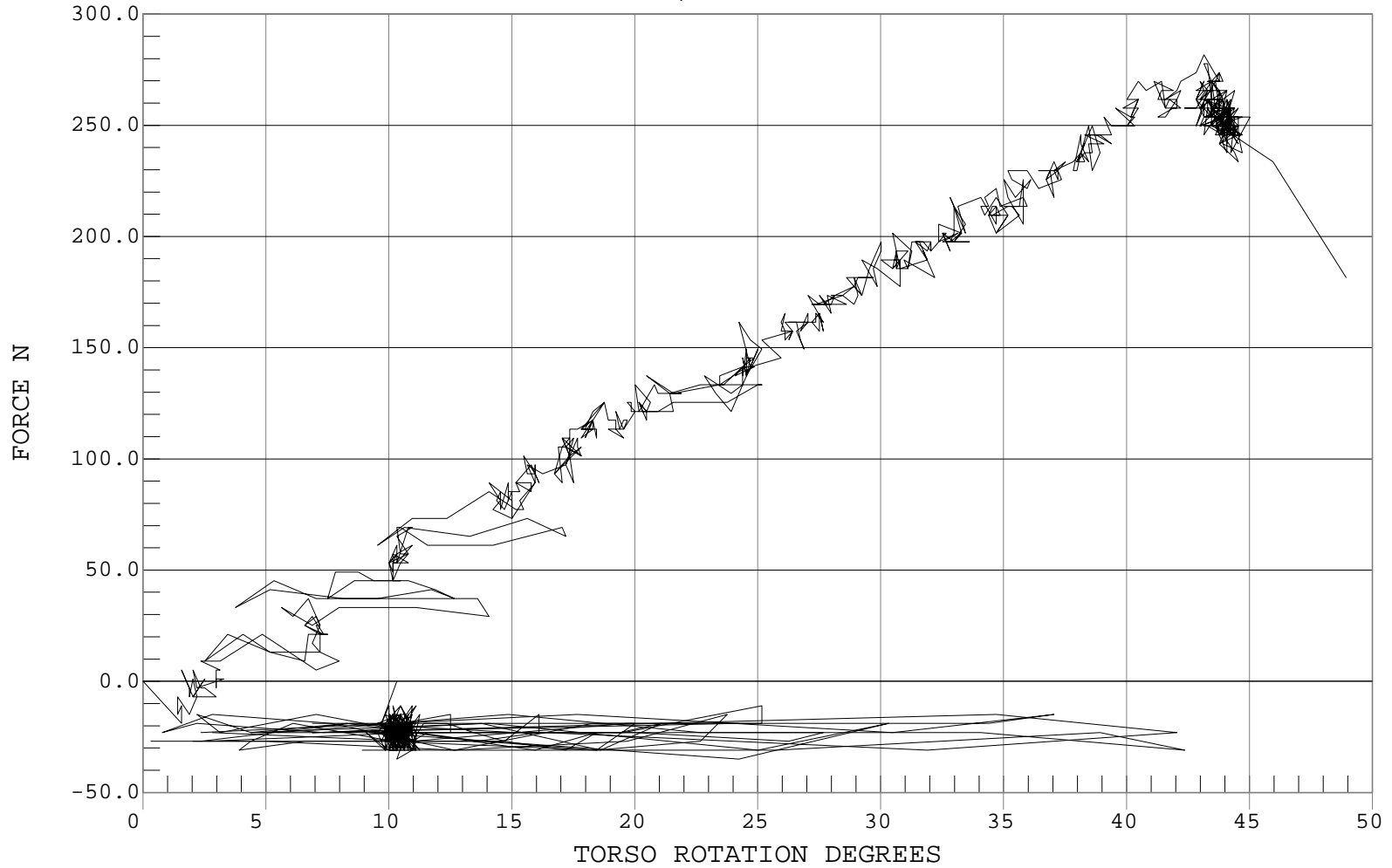
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 271

Test Date: 11-01-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D00345FC.F14

Ymin = -35.02 N @ 24.2322 DEGREES, Ymax = 281.74 N @ 43.1417 DEGREES



CERTIFICATION DATA

Dummy Serial Number: 272

Calibration Test Results Summary

Dummy Serial Number: 272

Post-Test Calibration

External Dimensions:	The dummy passed all external dimension requirements.
Head Drop Test:	The head passed all drop test requirements.
Thorax Impact Test:	The thorax passed all impact test requirements.
Pelvic Impact Test:	The pelvis passed all impact test requirements.
Abdominal Compression Test:	The abdomen passed all compression test requirements.
Lumbar Flexion Test:	The lumbar passed all flexion test requirements.

SIDE IMPACT DUMMY CONFIGURATION AND PERFORMANCE VERIFICATION DATA

Dummy Serial Number: 272
 Date of Verification: 11/14/00
 Test Number: D00146

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	898
RH-Rib Height (mm)	501 – 521	515
HP-Hip Pivot Height (mm)	99 ref.	99
RD-Rib From Back Line (mm)	229 - 241	234
KV-Knee Pivot From Back Line (mm)	511 – 526	523
SW-Knee Pivot to Floor (mm)	490 – 505	493
HW – Hip Width (mm)	356 – 391	375

Technician: _____

Approved By: _____

MGA RESEARCH CORPORATION
HEAD DROP TEST
SIDE IMPACT DUMMY (SID)

Date: 11/13/00
Dummy Serial Number: 272
Test Number: D001461

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 - 25.5	21.2°
Relative Humidity (%)	10 - 70	27%
Peak Resultant Acceleration	210 - 260 g's	237
Peak Lateral Acceleration	< 10 g's	4
Time Above 100 g.	0.9 - 1.5 msec.	1.2

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



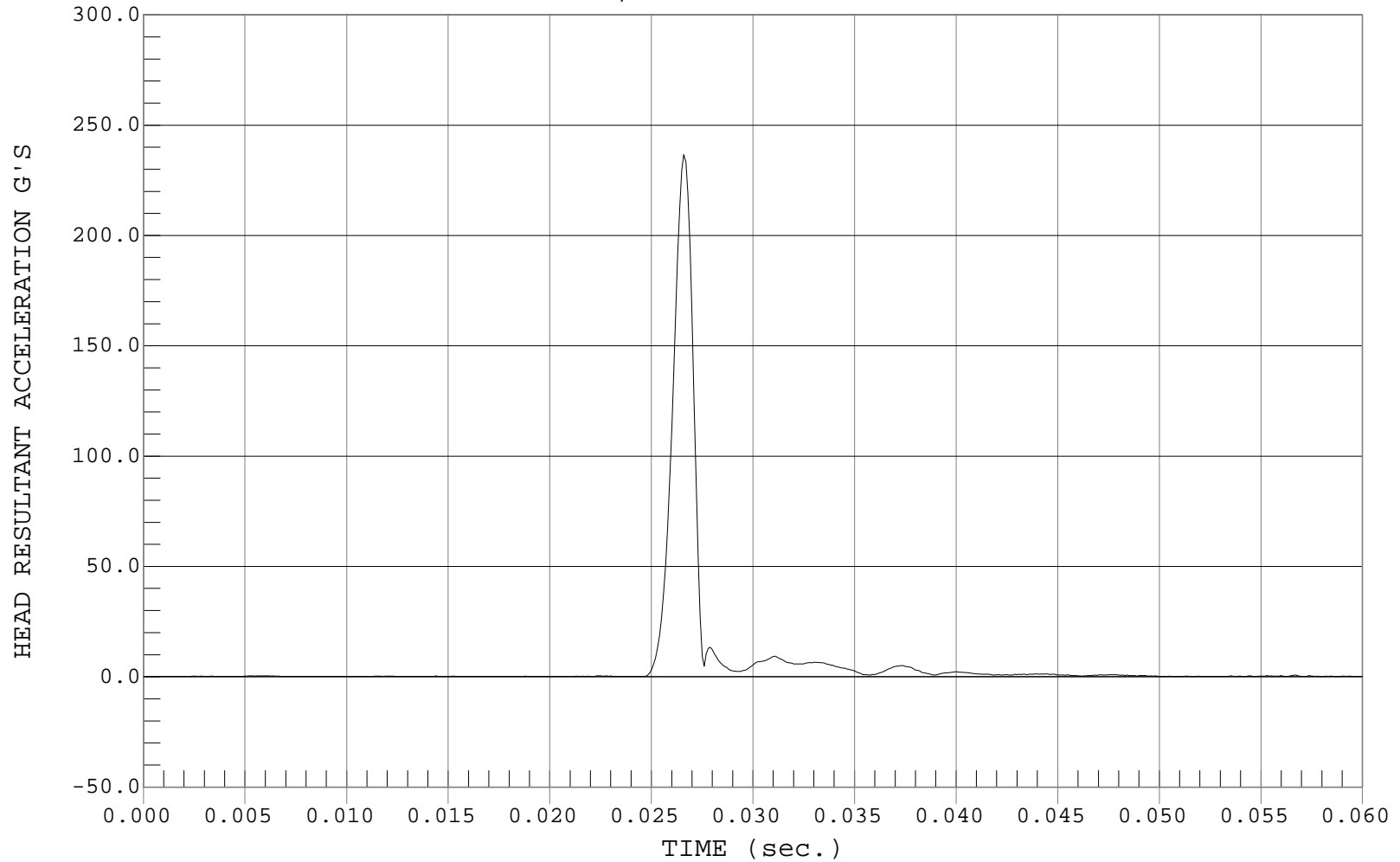
PEAK RESULTANT ACCELERATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #272

Test Date: 11-13-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD RESULTANT ACCELERATION, D00461av.a01

Ymin = .09 G'S @ 0.0008 sec., Ymax = 236.65 G'S @ 0.0266 sec.





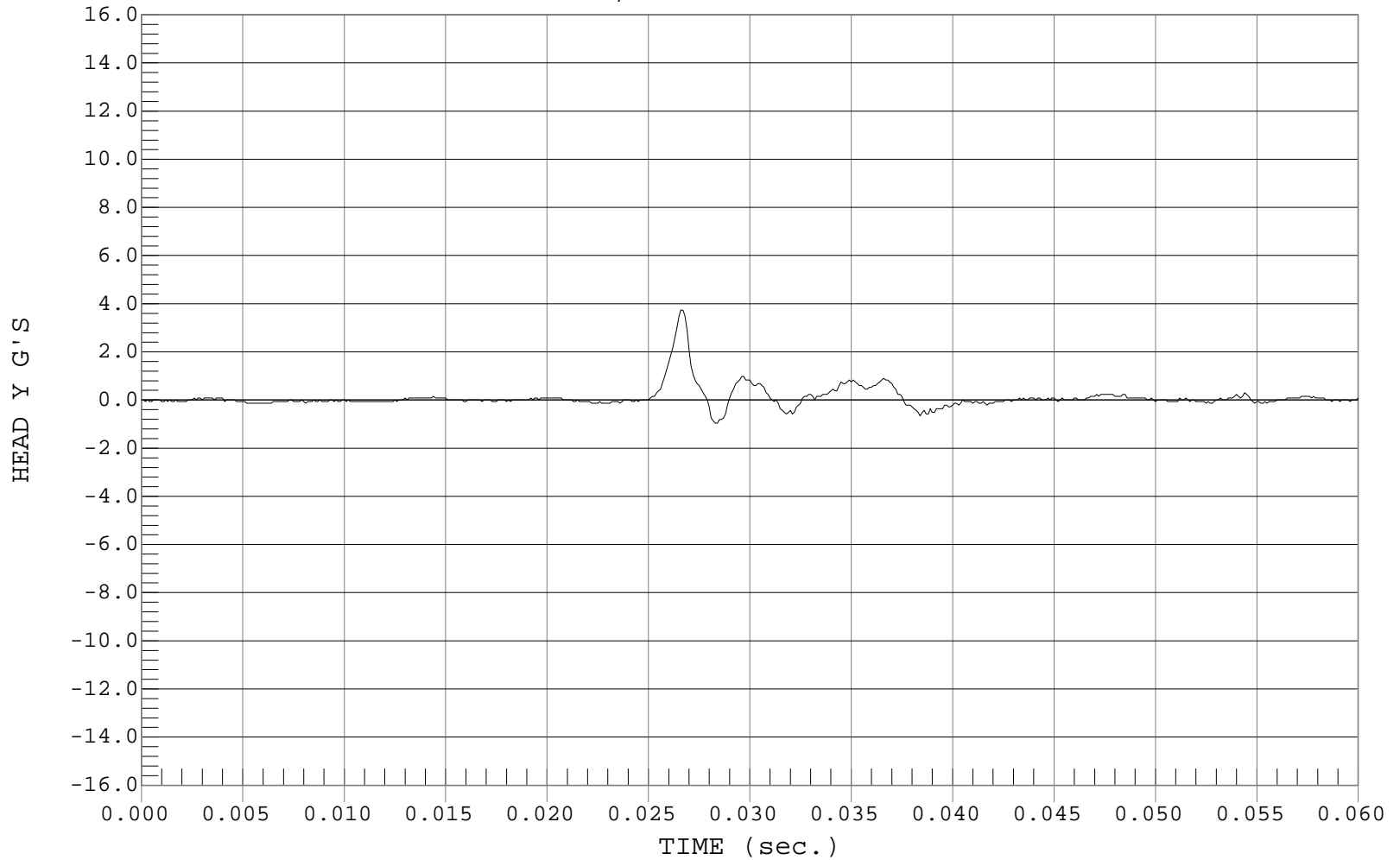
PEAK LATERAL ACCELARATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #272

Test Date: 11-13-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD Y, D00461AR.A02

Ymin = -0.96 G'S @ 0.0283 sec., Ymax = 3.73 G'S @ 0.0266 sec.



MGA RESEARCH CORPORATION
THORAX IMPACT TEST
SIDE IMPACT DUMMY (SID)

Date: 11/14/00
Dummy Serial Number: 272
Test Number: D001462

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	20.9°
Relative Humidity (%)	10 – 70	25%
Probe Speed (m/s)	4.27 – 4.33	4.27
Upper Rib (g's)	37 – 46	39
Lower Rib (g's)	37 – 46	40
Lower Spine (g's)	15 - 22	21

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



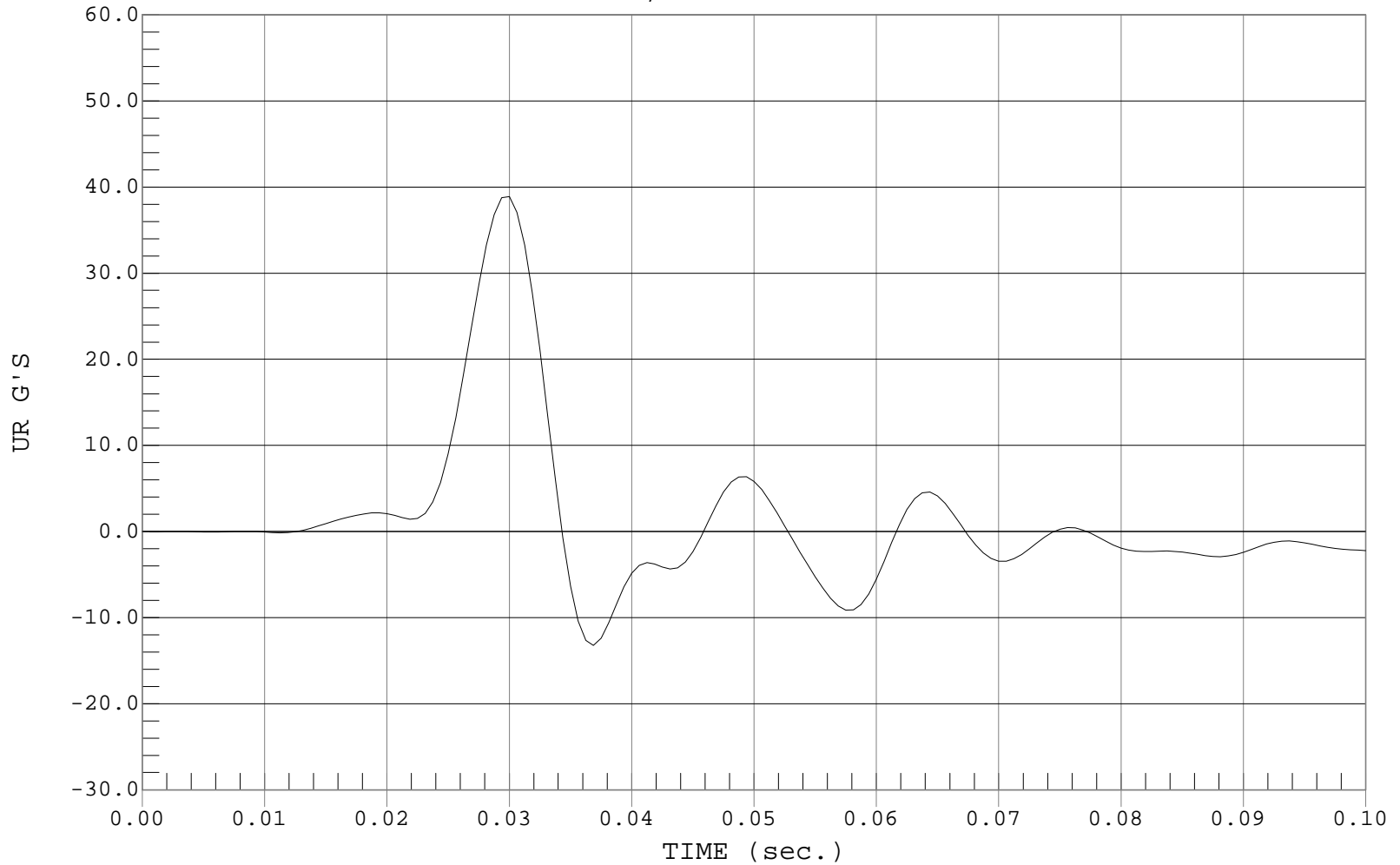
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #272

Test Date: 11-14-00
Speed: 14.02 FT/SEC, 4.27 M/SEC

— 1 UR, D00462FI.R08

Ymin = -13.21 G'S @ 0.0369 sec., Ymax = 38.89 G'S @ 0.0300 sec.



C-40



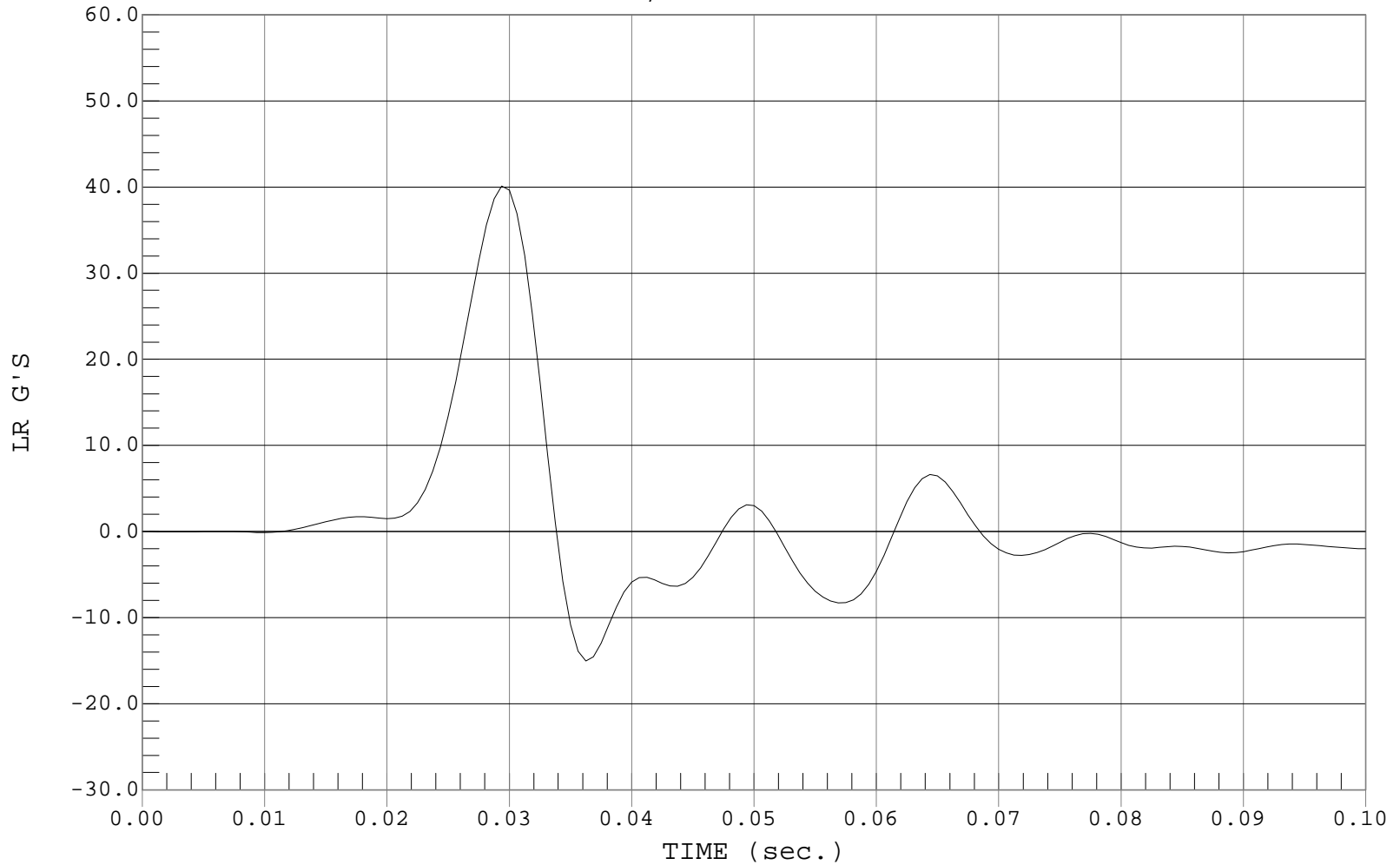
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #272

Test Date: 11-14-00
Speed: 14.02 FT/SEC, 4.27 M/SEC

— 1 LR, D00462FI.R09

Ymin = -15.03 G'S @ 0.0363 sec., Ymax = 40.13 G'S @ 0.0294 sec.



C-41



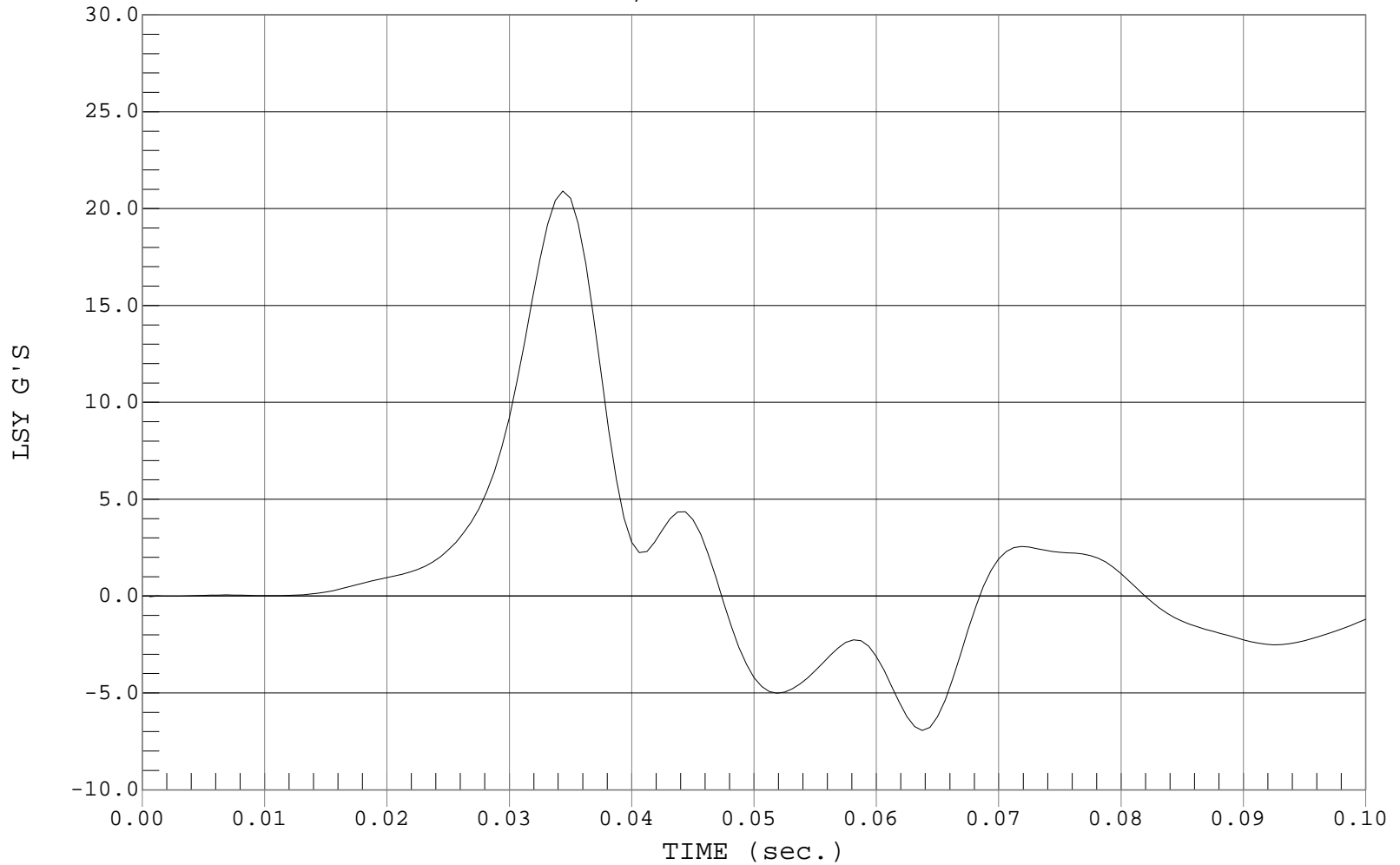
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #272

Test Date: 11-14-00
Speed: 14.02 FT/SEC, 4.27 M/SEC

— 1 LSY, D00462FI.R10

Ymin = -6.94 G'S @ 0.0638 sec., Ymax = 20.92 G'S @ 0.0344 sec.



MGA RESEARCH CORPORATION
PELVIS IMPACT TEST
SIDE IMPACT DUMMY (SID)

Date: 11/14/00
Dummy Serial Number: 271
Test Number: D001463

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	20.9
Relative Humidity (%)	10 – 70	25%
Probe Speed (m/s)	4.27 – 4.33	4.27
Pelvis Acceleration (g's)	40 – 60	40

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



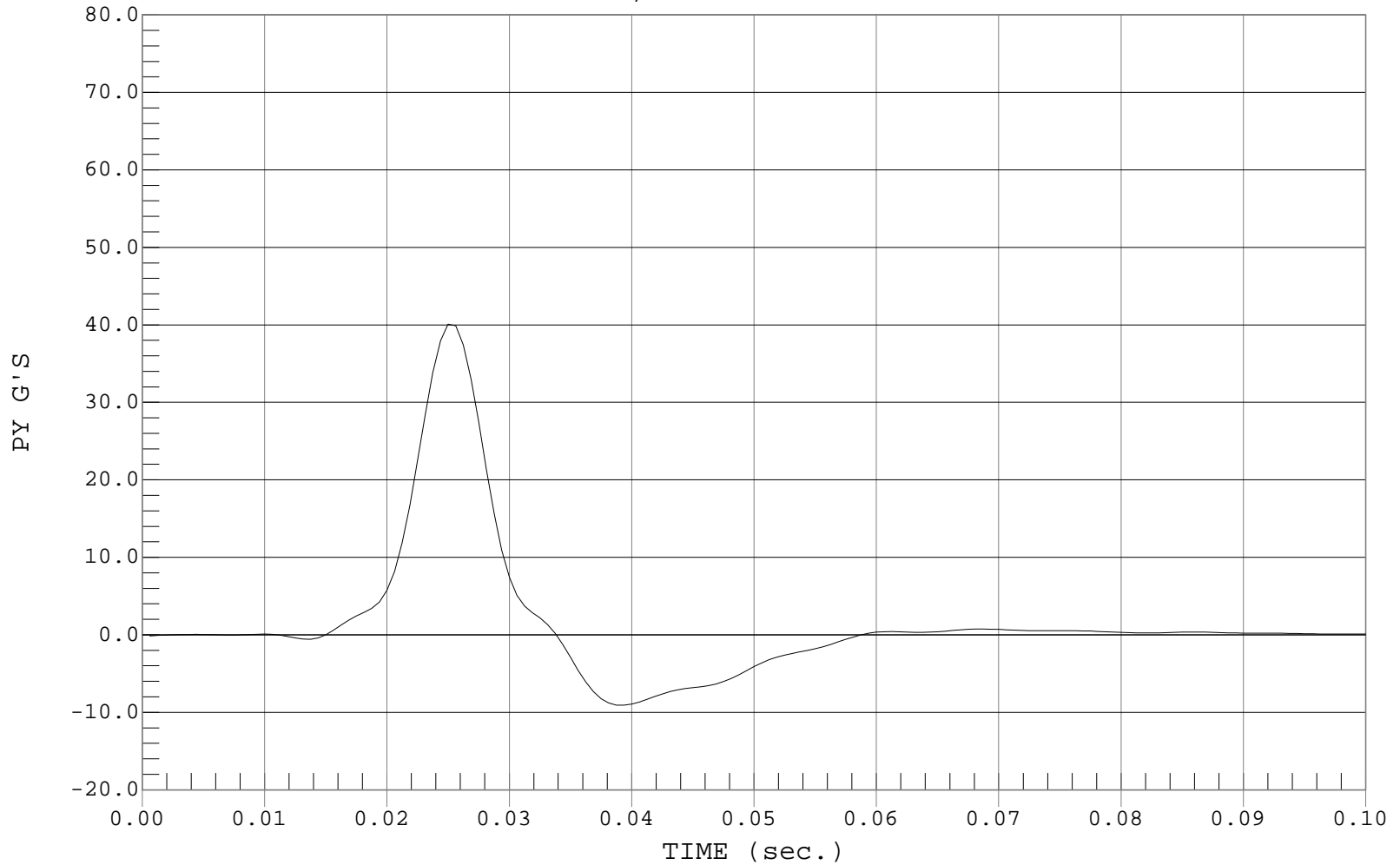
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #272

Test Date: 11-14-00
Speed: 14.01 FT/SEC, 4.27 M/SEC

— 1 PY, D00463FI.R11

Ymin = -9.08 G'S @ 0.0394 sec., Ymax = 40.08 G'S @ 0.0250 sec.



MGA RESEARCH CORPORATION
ABDOMINAL COMPRESSION TEST (PRELOAD = 10 LBS)
SIDE IMPACT DUMMY (SID)

Date: 11/10/00
Dummy Serial Number: 272
Test Number: D001464

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.2°
Relative Humidity (%)	10 – 70	30%
Force @ 12.7 mm	104 – 162	140
Force @ 19 mm	163 – 222	199
Force @ 25.4 mm	222 – 280	265
Force @ 33 mm	325 - 391	373

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



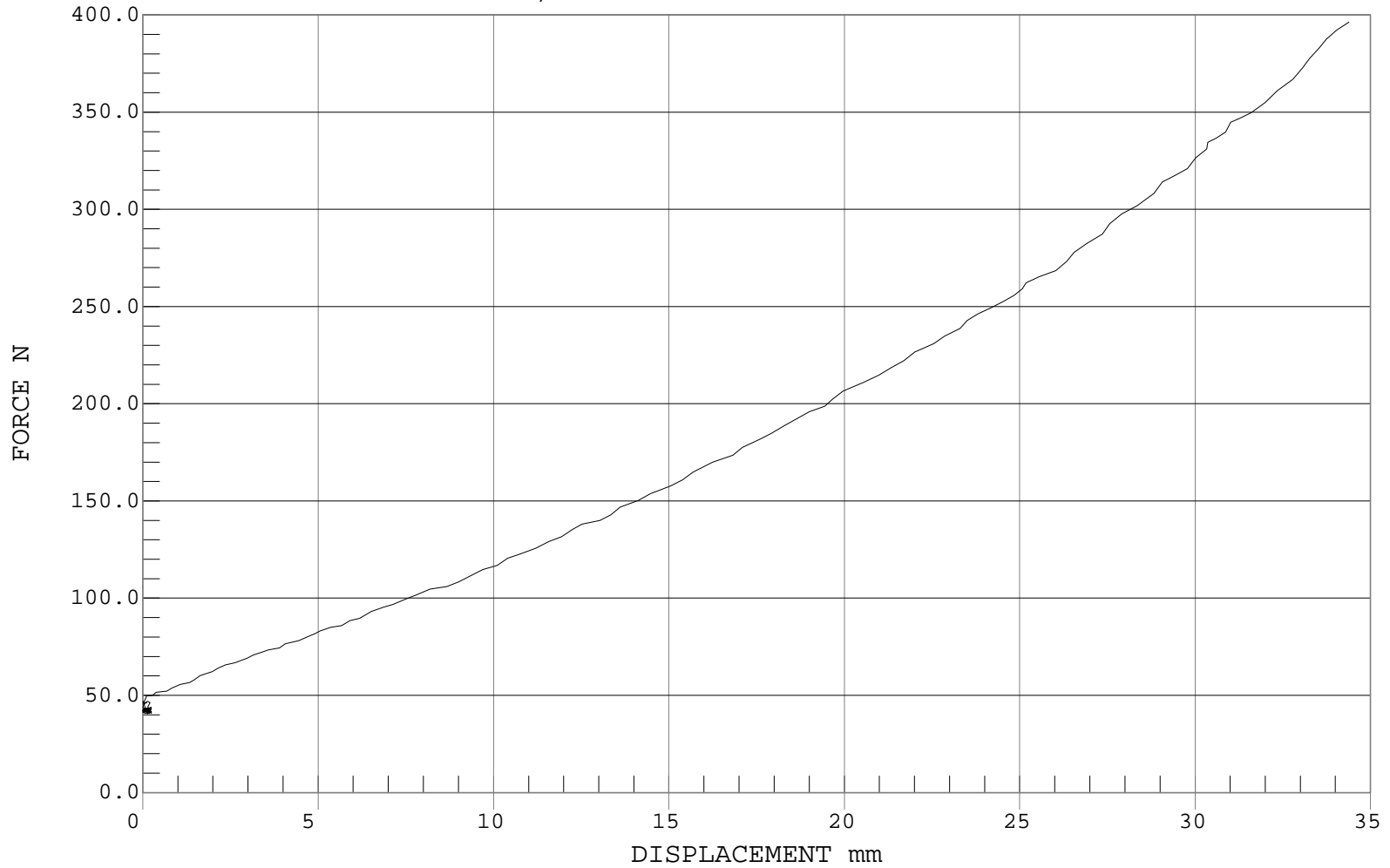
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 272

Test Date: 11-10-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D00464FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 506.05 N @ 36.8423 mm



MGA RESEARCH CORPORATION
LUMBAR FLEXION TEST
SIDE IMPACT DUMMY (SID)

Date: 11/10/00
Dummy Serial Number: 272
Test Number: D001465

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0°
Relative Humidity (%)	10 – 70	30%
Force @ 0°	0 – 26.7	0
Force @ 20°	97.9 – 151.2	103.0
Force @ 30°	151.2 – 204.6	175.2
Force @ 40°	204.6 – 258.0	251.4
Return Angle	12° maximum	3°

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



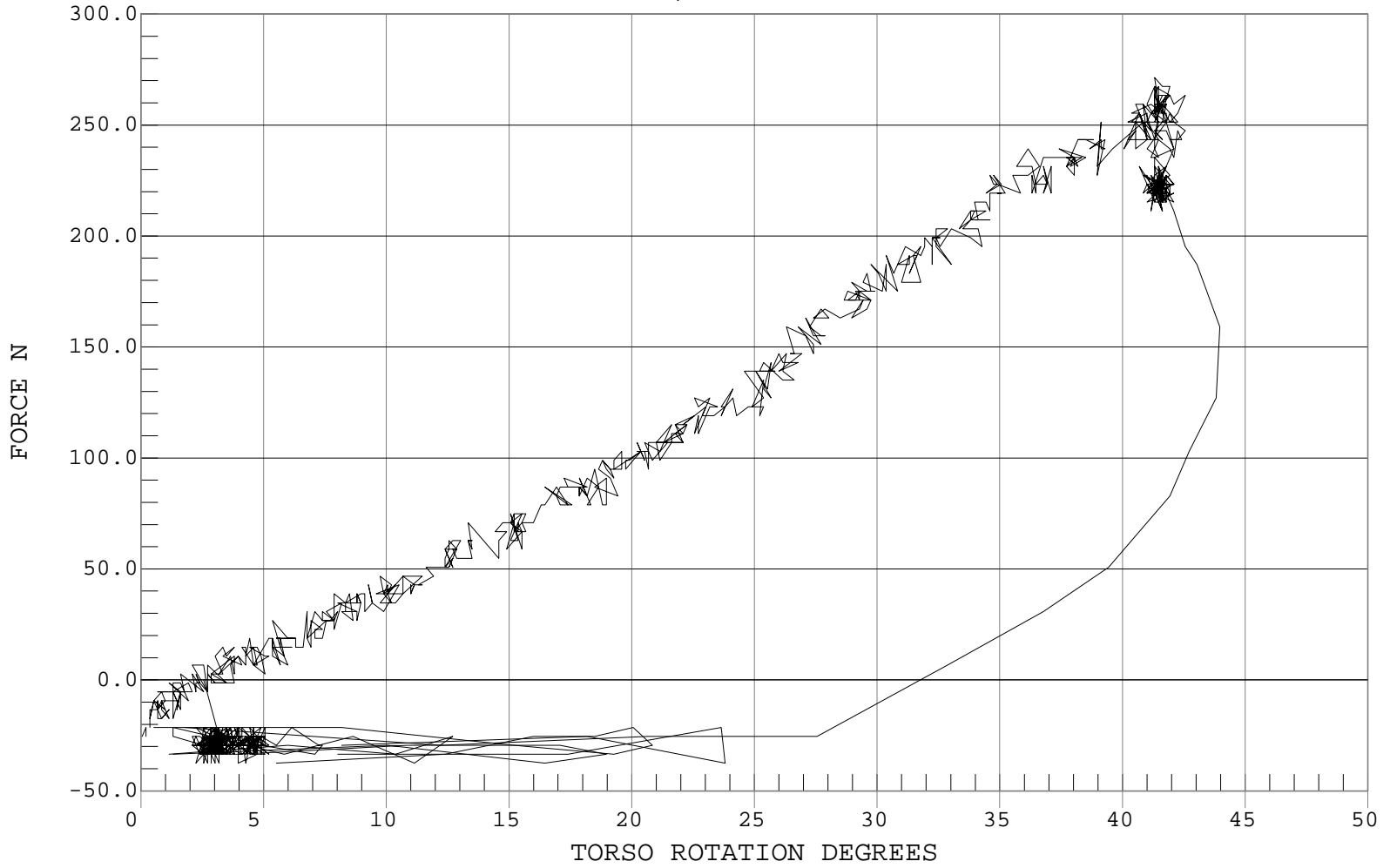
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 272

Test Date: 11-10-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D00465FC.F14

Ymin = -49.49 N @ -0.8827 DEGREES, Ymax = 271.44 N @ 41.3121 DEGREES



POST-TEST DUMMY INSPECTION CHECKLIST

Type: Side Impact Dummy

Dummy Serial Number: 272

Inspected By: Tim Michnay

Date: 11/14/00

<u>Part</u>	<u>Items Checked</u>	<u>Comments</u>
Skin	visual inspection	OK
Head	visual, ballast, accelerometer mount	OK
Neck	visual	OK
Spine box	visual, ballast, weldment, accelerometer mount	OK
Rib cage	visual, measure	OK
Sternum	visual	OK
Lumbar spine	visual	OK
Abdomen	visual	OK
Pelvis	visual, palpate, accelerometer mount	OK
Upper legs	visual	OK
Knees	visual	OK
Lower legs	visual, range of motion	OK
Ankles	visual, range of motion	OK
Feet	visual, range of motion	OK
Joints	1 to 2 g range	OK
Other		

Notes (include component/problem/action/reason):

CERTIFICATION DATA

Dummy Serial Number: 271

Calibration Test Results Summary

Dummy Serial Number: 271

Post-Test Calibration

External Dimensions:	The dummy passed all external dimension requirements.
Head Drop Test:	The head passed all drop test requirements.
Thorax Impact Test:	The thorax passed all impact test requirements.
Pelvic Impact Test:	The pelvis passed all impact test requirements.
Abdominal Compression Test:	The abdomen passed all compression test requirements.
Lumbar Flexion Test:	The lumbar passed all flexion test requirements.

SIDE IMPACT DUMMY CONFIGURATION AND PERFORMANCE VERIFICATION DATA

Dummy Serial Number: 271
 Date of Verification: 11/14/00
 Test Number: D00145

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	900
RH-Rib Height (mm)	501 – 521	516
HP-Hip Pivot Height (mm)	99 ref.	99
RD-Rib From Back Line (mm)	229 - 241	234
KV-Knee Pivot From Back Line (mm)	511 – 526	518
SW-Knee Pivot to Floor (mm)	490 – 505	493
HW – Hip Width (mm)	356 – 391	377

Technician: _____

Approved By: _____

MGA RESEARCH CORPORATION
HEAD DROP TEST
SIDE IMPACT DUMMY (SID)

Date: 11/13/00
Dummy Serial Number: 271
Test Number: D001451

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 - 25.5	21.0°
Relative Humidity (%)	10 - 70	28%
Peak Resultant Acceleration	210 - 260 g's	242
Peak Lateral Acceleration	< 10 g's	-4
Time Above 100 g.	0.9 - 1.5 msec.	1.2

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



PEAK RESULTANT ACCELERATION

Test Desc.: Dummy Calibration - Head Drop

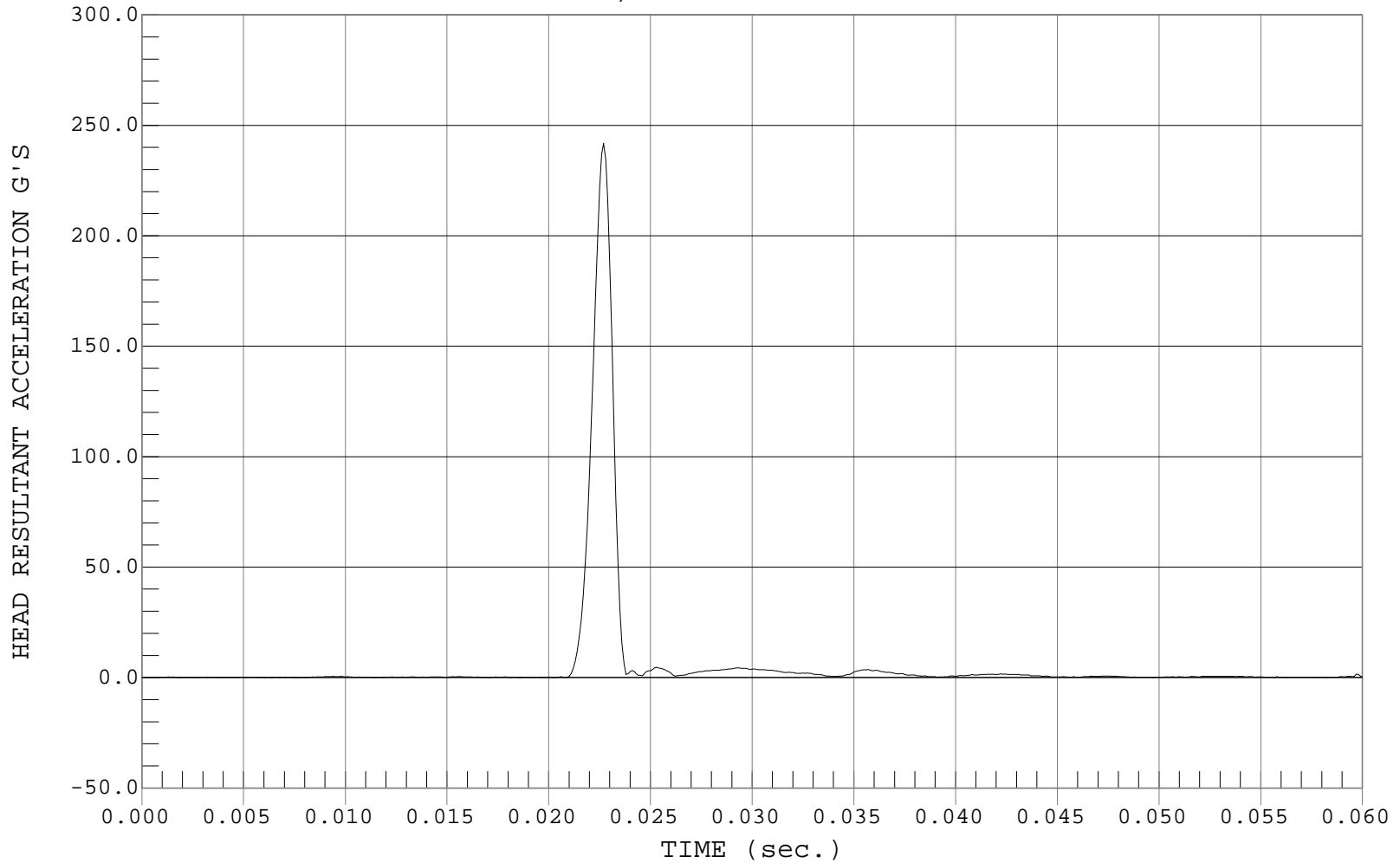
Test Date: 11-13-00

Component: Dummy #271

Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD RESULTANT ACCELERATION, D00451av.a01

Ymin = .05 G'S @ 0.0003 sec., Ymax = 241.8 G'S @ 0.0227 sec.





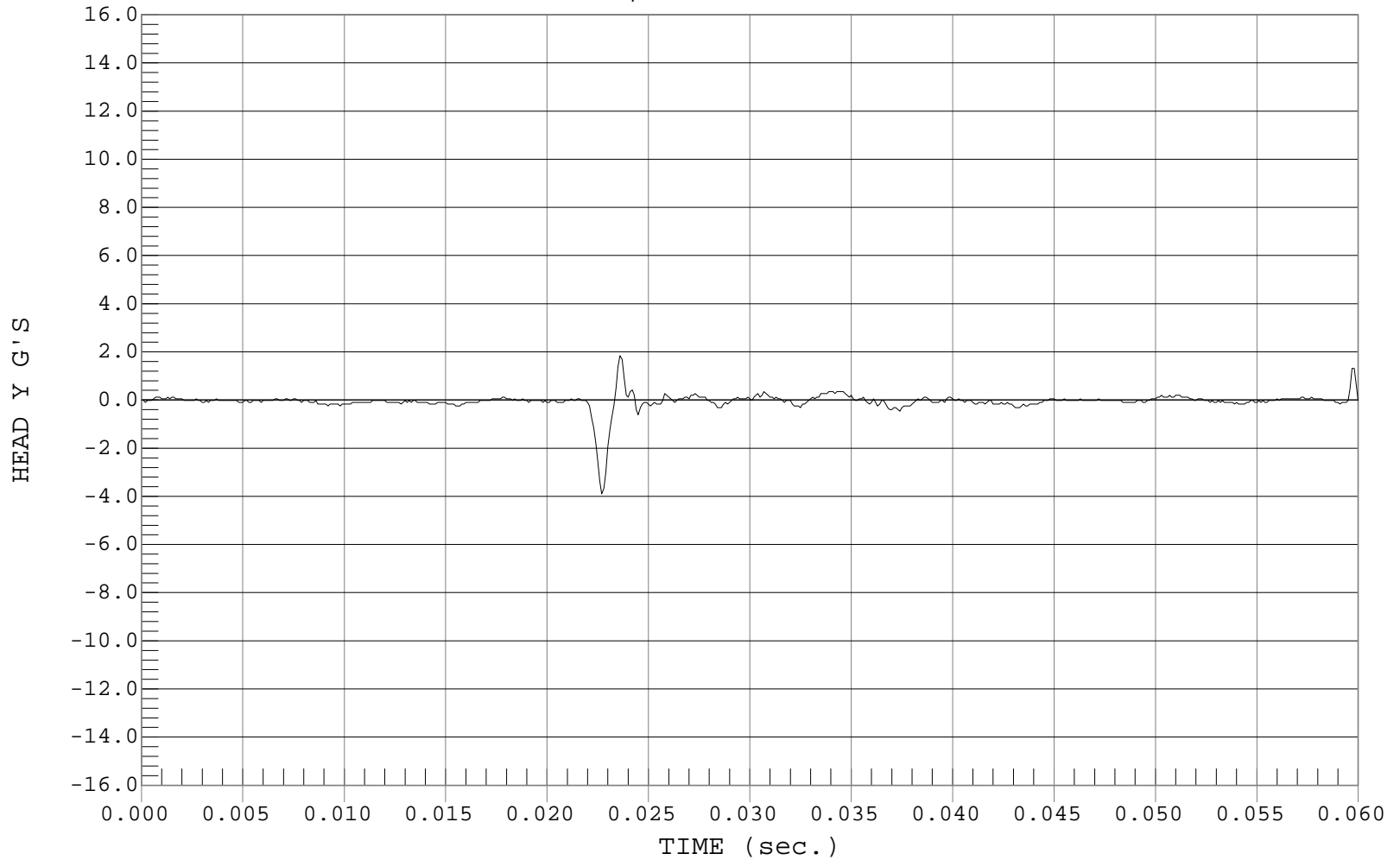
PEAK LATERAL ACCELARATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #271

Test Date: 11-13-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD Y, D00451AR.A02

Ymin = -3.89 G'S @ 0.0227 sec., Ymax = 1.84 G'S @ 0.0236 sec.



MGA RESEARCH CORPORATION
THORAX IMPACT TEST
SIDE IMPACT DUMMY (SID)

Date: 11/14/00
Dummy Serial Number: 271
Test Number: D001452

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.2°
Relative Humidity (%)	10 – 70	24%
Probe Speed (m/s)	4.27 – 4.33	4.27
Upper Rib (g's)	37 – 46	41
Lower Rib (g's)	37 – 46	40
Lower Spine (g's)	15 - 22	19

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



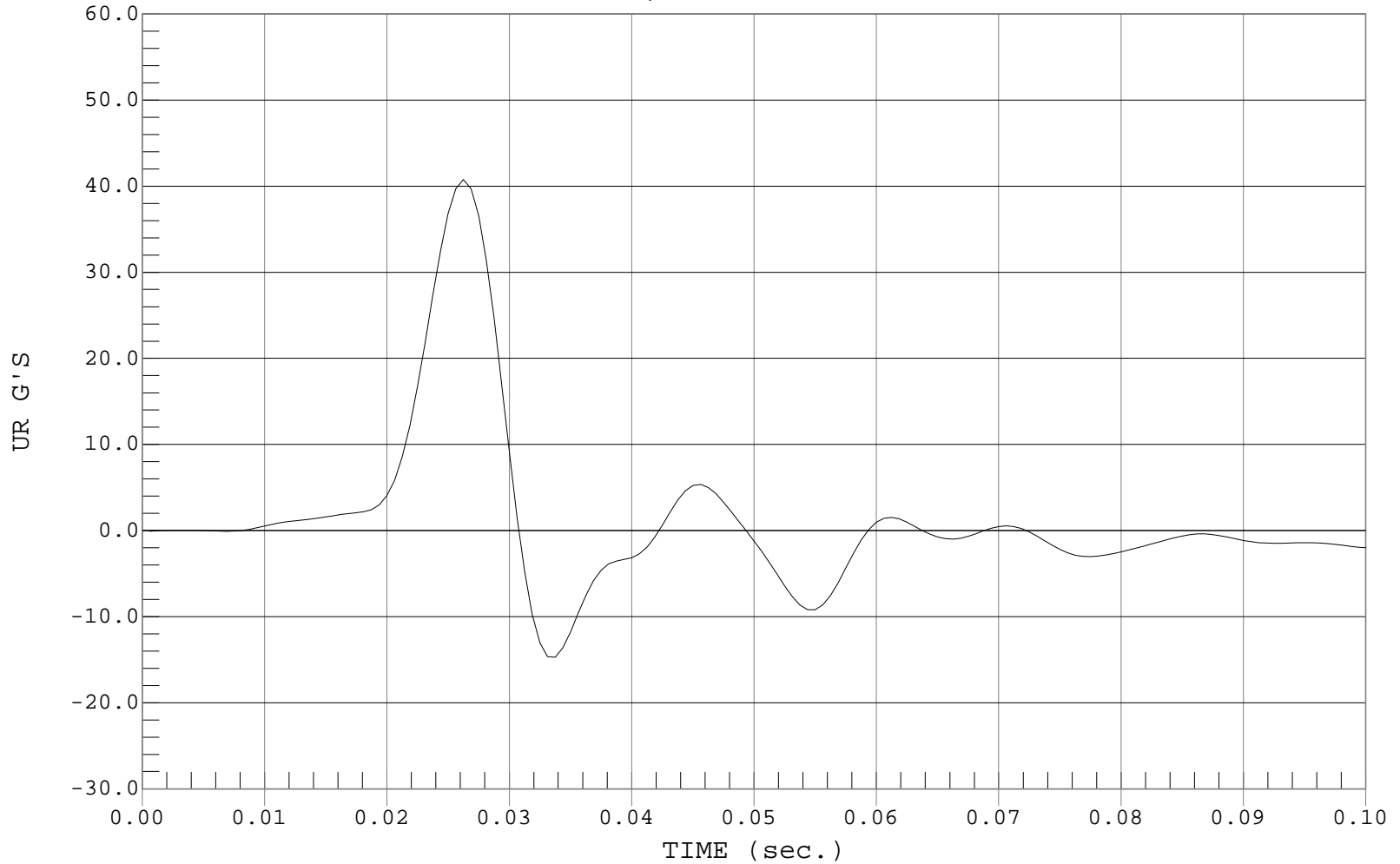
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #271

Test Date: 11-14-00
Speed: 14.01 FT/SEC, 4.27 M/SEC

— 1 UR, D00452FI.R08

Ymin = -14.72 G'S @ 0.0338 sec., Ymax = 40.77 G'S @ 0.0263 sec.





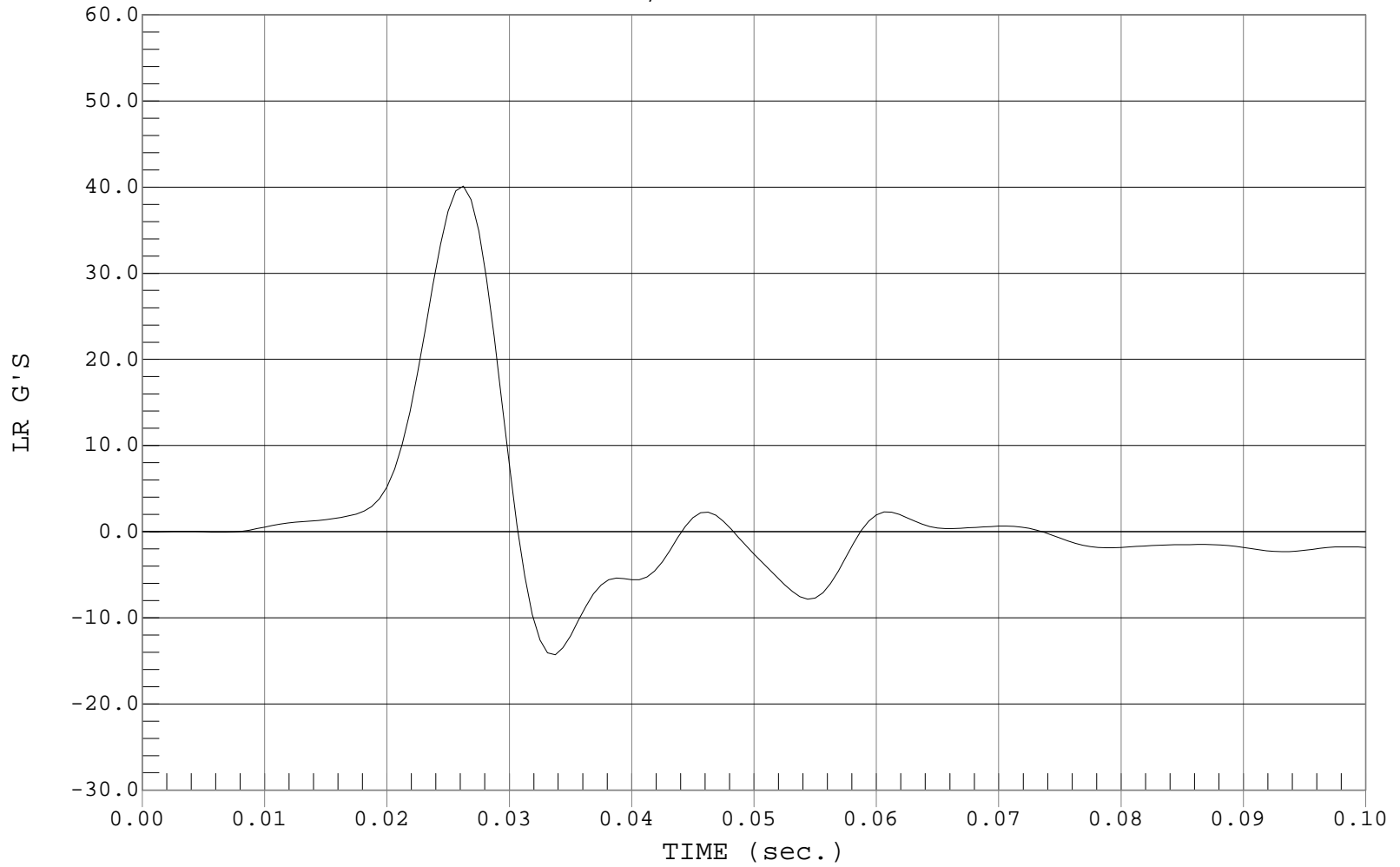
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #271

Test Date: 11-14-00
Speed: 14.01 FT/SEC, 4.27 M/SEC

— 1 LR, D00452FI.R09

Ymin = -14.28 G'S @ 0.0338 sec., Ymax = 40.11 G'S @ 0.0263 sec.





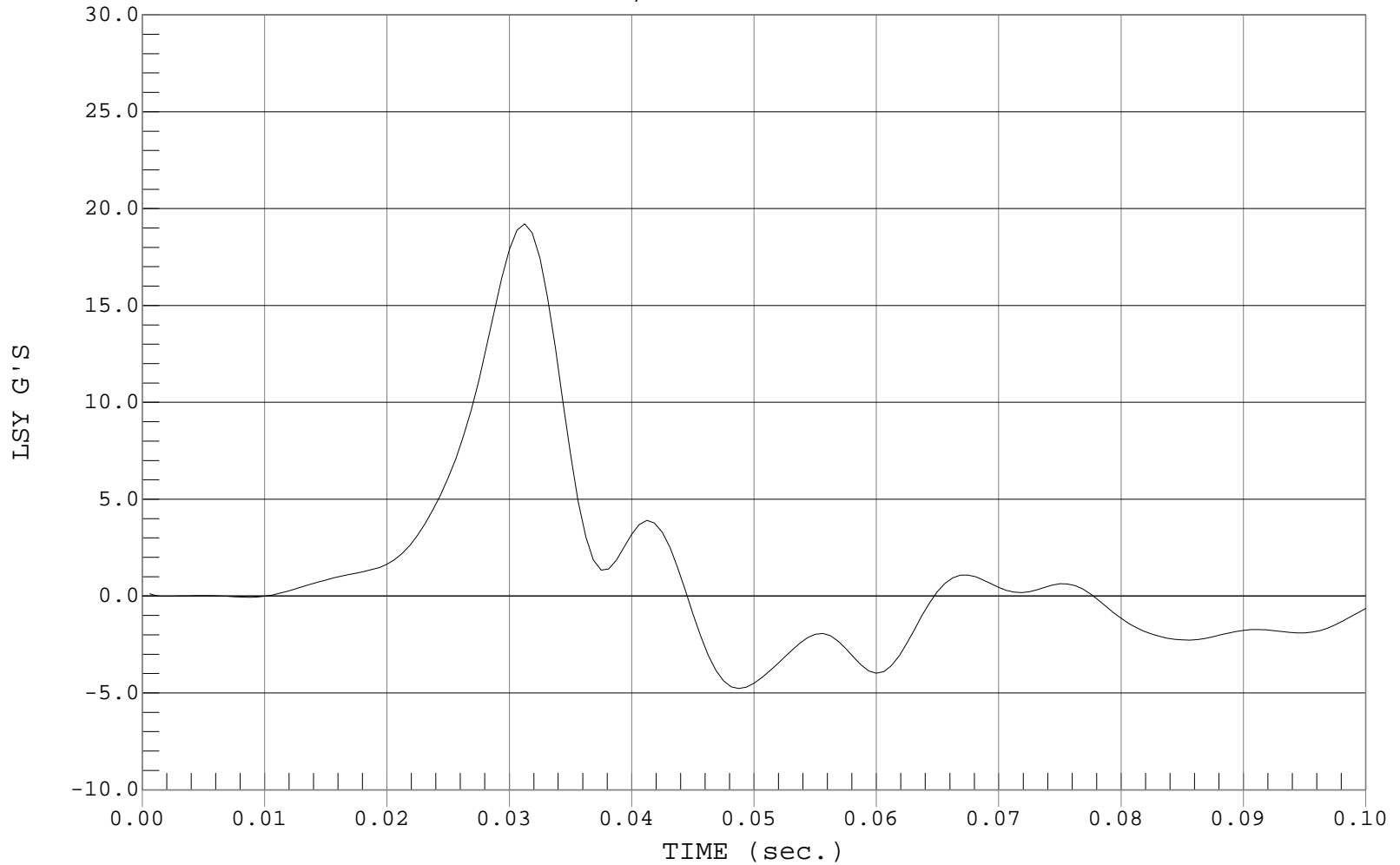
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #271

Test Date: 11-14-00
Speed: 14.01 FT/SEC, 4.27 M/SEC

— 1 LSY, D00452FI.R10

Ymin = -4.77 G'S @ 0.0488 sec., Ymax = 19.21 G'S @ 0.0313 sec.



MGA RESEARCH CORPORATION
PELVIS IMPACT TEST
SIDE IMPACT DUMMY (SID)

Date: 11/14/00
Dummy Serial Number: 271
Test Number: D001453

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.2°
Relative Humidity (%)	10 – 70	24%
Probe Speed (m/s)	4.27 – 4.33	4.27
Pelvis Acceleration (g's)	40 – 60	43

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



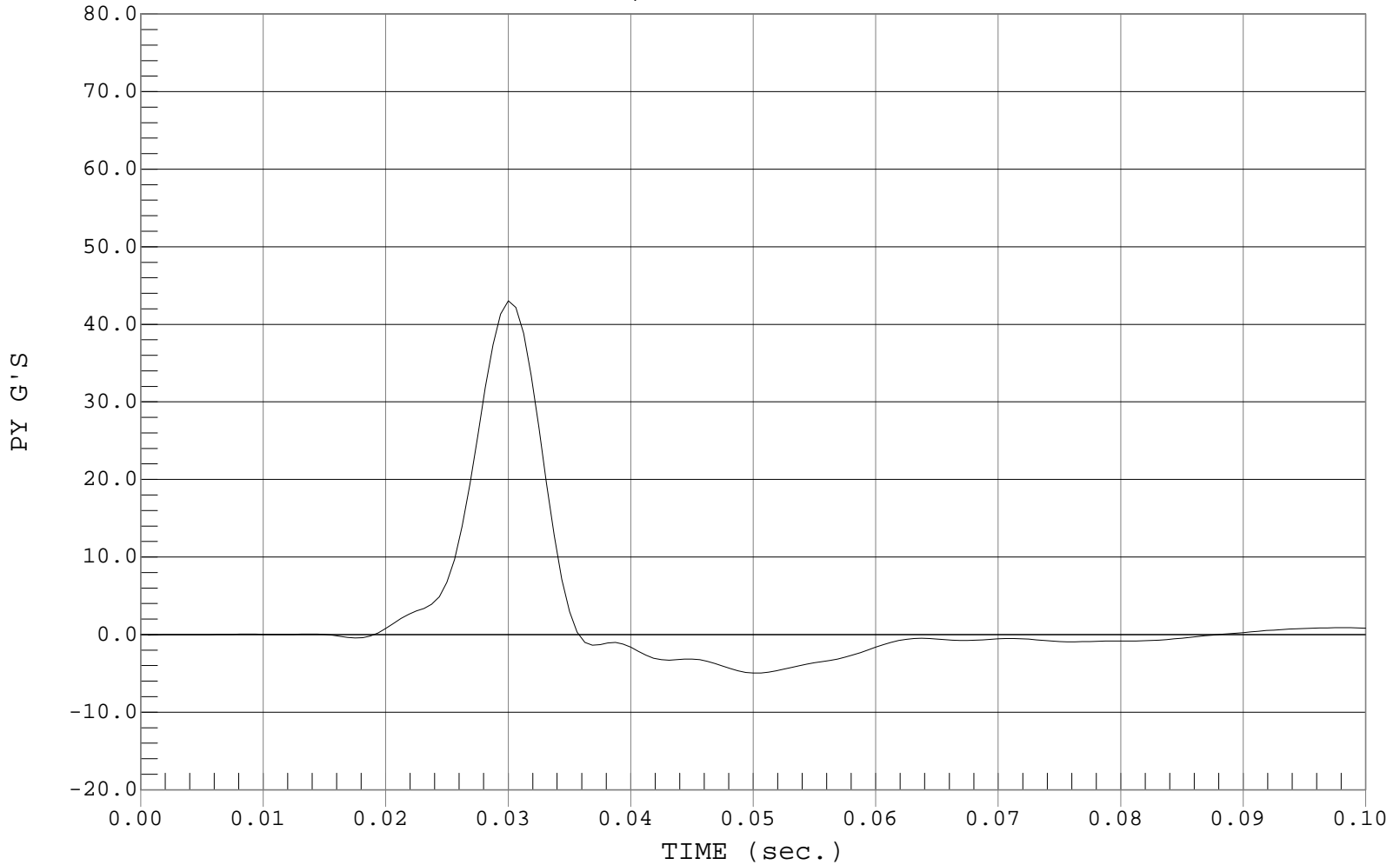
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #271

Test Date: 11-14-00
Speed: 14.02 FT/SEC, 4.27 M/SEC

— 1 PY, D00453FI.R11

Ymin = -4.97 G'S @ 0.0500 sec., Ymax = 43.02 G'S @ 0.0300 sec.



MGA RESEARCH CORPORATION
ABDOMINAL COMPRESSION TEST (PRELOAD = 10 LBS)
SIDE IMPACT DUMMY (SID)

Date: 11/10/00
Dummy Serial Number: 271
Test Number: D001454

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.2°
Relative Humidity (%)	10 – 70	30%
Force @ 12.7 mm	104 – 162	154
Force @ 19 mm	163 – 222	209
Force @ 25.4 mm	222 – 280	273
Force @ 33 mm	325 - 391	372

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



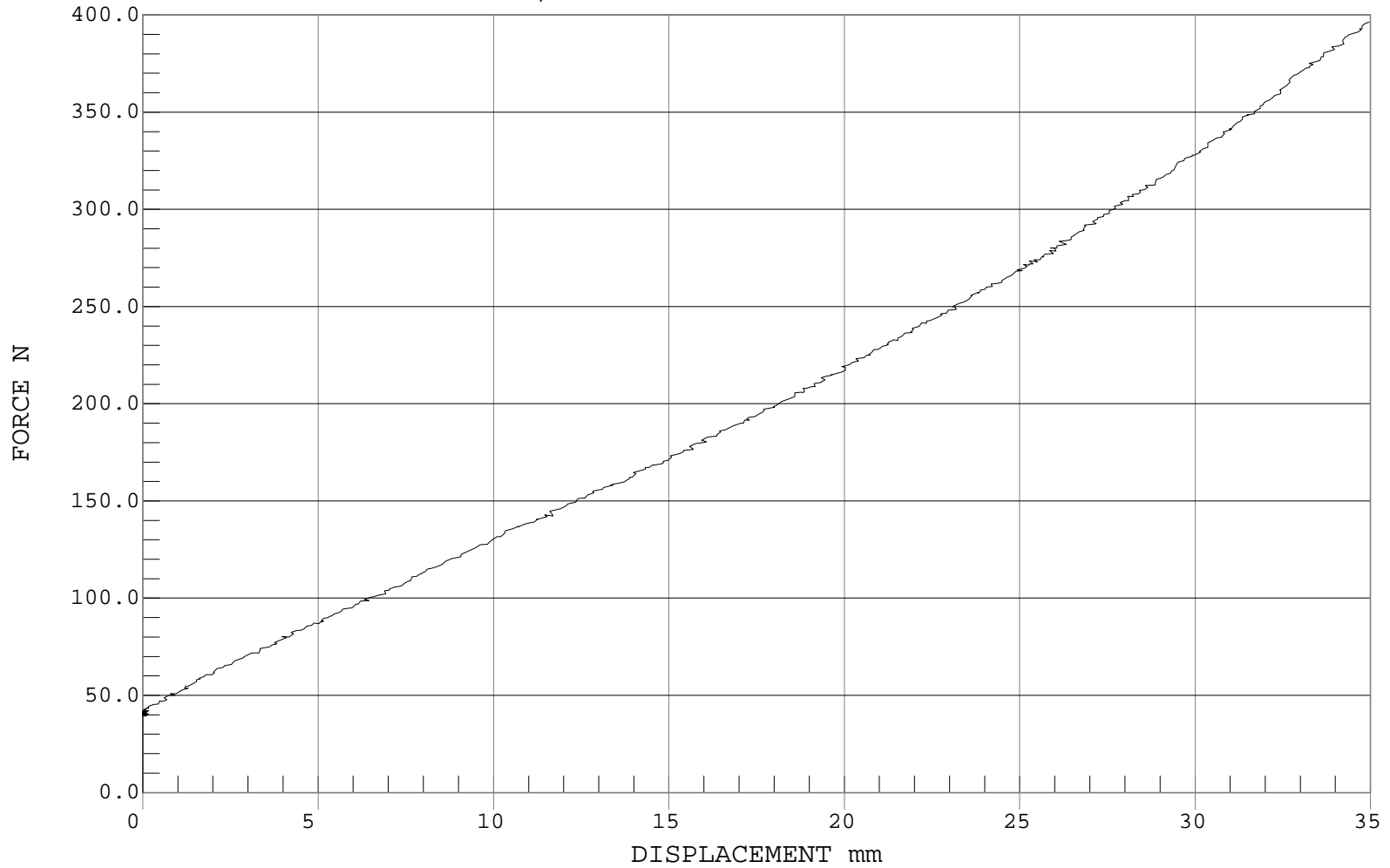
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 271

Test Date: 11-10-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

1 FORCE, D00454FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 474.19 N @ 39.4979 mm



MGA RESEARCH CORPORATION
LUMBAR FLEXION TEST
SIDE IMPACT DUMMY (SID)

Date: 11/10/00
Dummy Serial Number: 271
Test Number: D001455

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.2°
Relative Humidity (%)	10 – 70	30%
Force @ 0°	0 – 26.7	0
Force @ 20°	97.9 – 151.2	148.8
Force @ 30°	151.2 – 204.6	156.9
Force @ 40°	204.6 – 258.0	221.2
Return Angle	12° maximum	3°

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



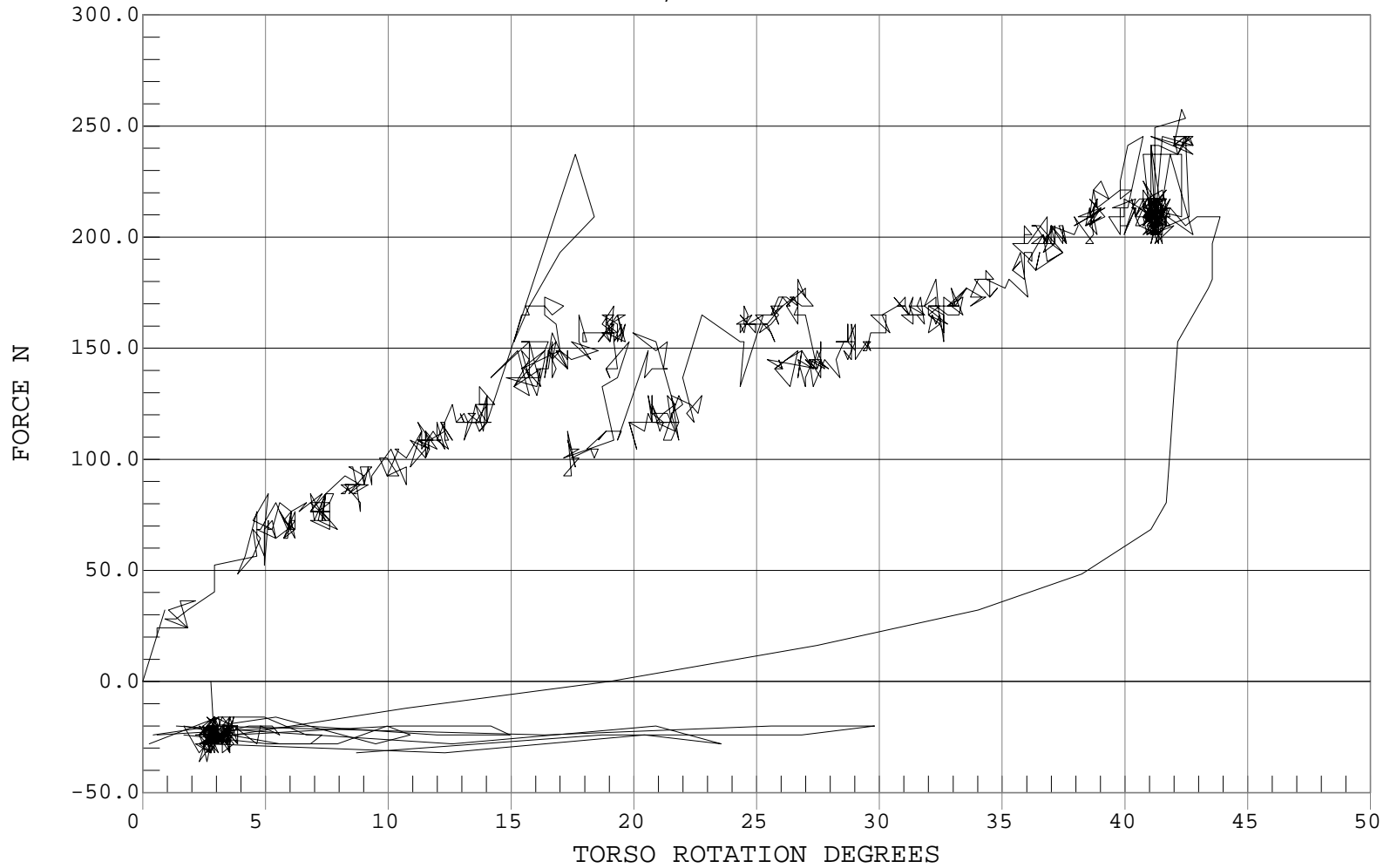
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 271

Test Date: 11-10-00
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D00455FC.F14

Ymin = -36.13 N @ 2.2996 DEGREES, Ymax = 257.42 N @ 42.3065 DEGREES



C-65

DUMMY INSPECTION CHECKLIST

Type: Side Impact Dummy

Dummy Serial Number: 271

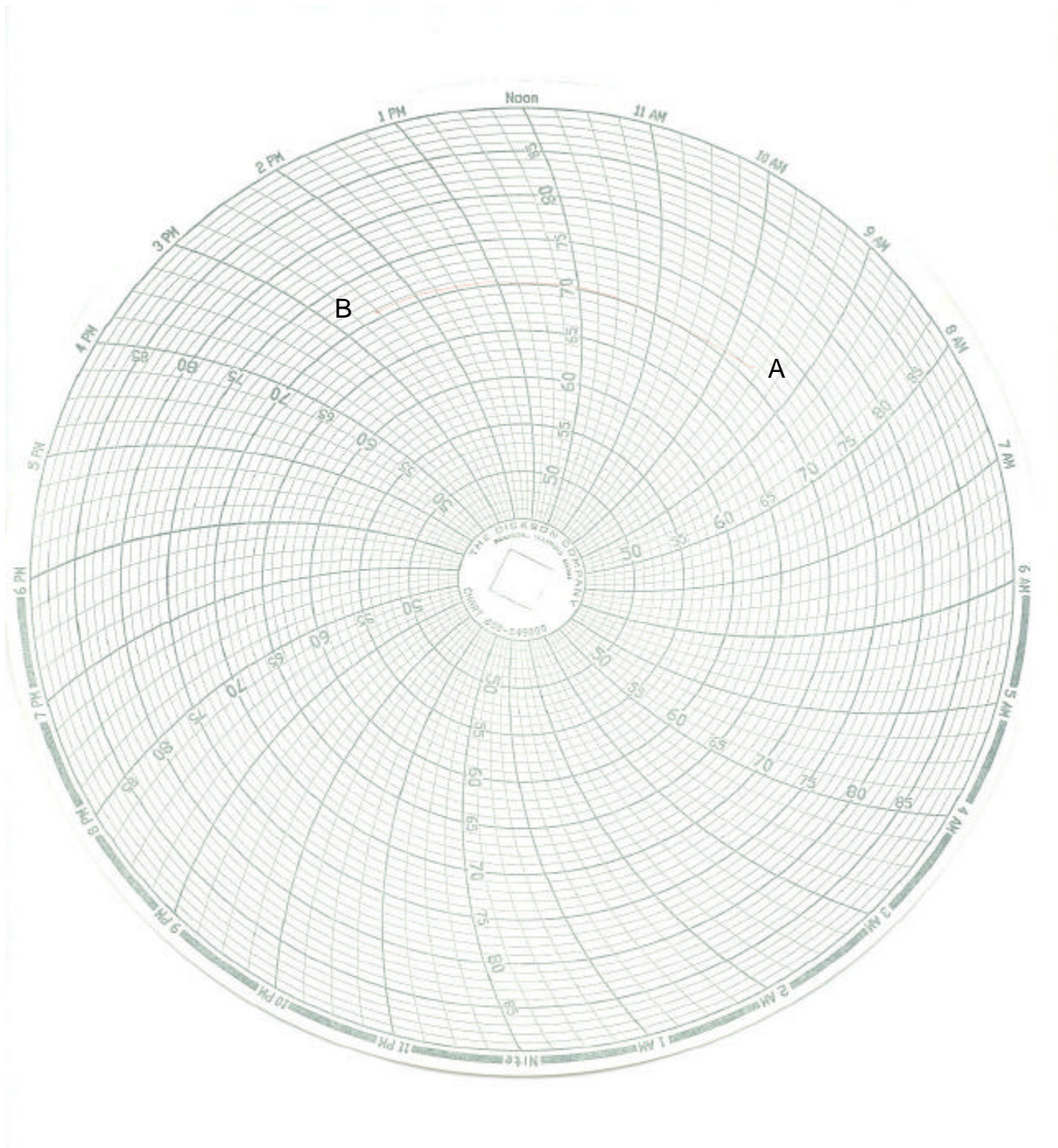
Inspected By: Tim Michnay

Date: 11/14/00

<u>Part</u>	<u>Items Checked</u>	<u>Comments</u>
Skin	visual inspection	OK
Head	visual, ballast, accelerometer mount	OK
Neck	visual	OK
Spine box	visual, ballast, weldment, accelerometer mount	OK
Rib cage	visual, measure	OK
Sternum	visual	OK
Lumbar spine	visual	OK
Abdomen	visual	OK
Pelvis	visual, palpate, accelerometer mount	OK
Upper legs	visual	OK
Knees	visual	OK
Lower legs	visual, range of motion	OK
Ankles	visual, range of motion	OK
Feet	visual, range of motion	OK
Joints	1 to 2 g range	OK
Other		

Notes (include component/problem/action/reason):

VEHICLE AND DUMMY TEMPERATURE



A = dummies installed in vehicle at 9:30 a.m.

B = test conducted at 2:45 p.m.

APPENDIX D
CALIBRATION INFORMATION

DUMMY AND VEHICLE CALIBRATION DATA
INSTRUMENTS FOR DRIVER DUMMY NO. 272

	DRIVER		
	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Upper Rib Y	AP2D8	Endevco	8/24/00
Lower Rib Y	AH0N9	Endevco	10/3/00
Lower Spine Y	J10431	Endevco	8/29/00
Pelvis Y	J11166	Endevco	9/19/00
Upper Rib Redundant Y	AP2A4	Endevco	8/24/00
Lower Rib Redundant Y	AHT20	Endevco	10/3/00
Lower Spine Redundant Y	AN9E3	Endevco	8/29/00
Pelvis Redundant Y	J11630	Endevco	9/19/00
Head Center of Gravity X	J19173	Endevco	10/3/00
Head Center of Gravity Y	AP0F6	Endevco	10/3/00
Head Center of Gravity Z	J13656	Endevco	10/3/00

DUMMY AND VEHICLE CALIBRATION DATA
INSTRUMENTS FOR PASSENGER DUMMY NO. 271

	LEFT REAR PASSENGER		
	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Upper Rib Y	AHR15	Endevco	9/19/00
Lower Rib Y	J14120	Endevco	10/2/00
Lower Spine Y	AJ9P7	Endevco	10/3/00
Pelvis Y	J13884	Endevco	9/19/00
Upper Rib Redundant Y	AHW95	Endevco	9/19/00
Lower Rib Redundant Y	APY16	Endevco	10/2/00
Lower Spine Redundant Y	AJ462	Endevco	10/3/00
Pelvis Redundant Y	J14027	Endevco	9/19/00
Head Center of Gravity X	J14896	Endevco	7/7/00
Head Center of Gravity Y	J14771	Endevco	7/7/00
Head Center of Gravity Z	J14774	Endevco	7/7/00

VEHICLE INSTRUMENT CALIBRATION

	VEHICLE ACCELEROMETERS		
	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Moving Barrier CG X	E10-F10	Entran	9/12/00
Moving Barrier CG Y	D05-R08	Entran	9/12/00
Moving Barrier CG Z	K16-X06	Entran	9/12/00
Moving Barrier Rear Axle X	K19-A15	Entran	7/11/00
Moving Barrier Rear Axle Y	G13-F10	Entran	8/14/00
Left Mid A-Post Y	K11-G07	Entran	8/8/00
Left Lower A-Post Y	K19-A11	Entran	9/14/00
Left Mid B-Post Y	F07-A20	Entran	9/14/00
Left Lower B-Post Y	F07-A14	Entran	8/18/00
Rear Floorpan Above Axle X	I26-D11	Entran	8/18/00
Rear Floorpan Above Axle Y	I25-J18	Entran	8/18/00
Rear Floorpan Above Axle Z	F07-A24	Entran	8/8/00
Driver Seat Track Y	G01-J12	Entran	9/12/00
Right Side Sill at Front Seat X	F12-G01	Entran	7/11/00
Right Side Sill at Front Seat Y	K11-J18	Entran	7/11/00
Right Side Sill at Front Seat Z	B13-Z02	Entran	6/2/00
Right Side Sill at Rear Seat X	G01-J19	Entran	8/8/00
Right Side Sill at Rear Seat Y	K16-X05	Entran	8/8/00
Right Side Sill at Rear Seat Z	F18-G08	Entran	8/8/00

VEHICLE INSTRUMENT CALIBRATION

	VEHICLE ACCELEROMETERS		
	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Left Side Sill at Front Seat Y	I25-J10	Entran	9/14/00
Left Side Sill at Rear Seat Y	F20-G06	Entran	7/11/00
Right Rear Occupant Compartment Y	G01-J09	Entran	7/11/00
Vehicle CG X	J10-E18	Entran	9/14/00
Vehicle CG Y	J06-D19	Entran	9/14/00
Vehicle CG Z	F20-G10	Entran	9/14/00
Left Front Door on Centerline	E25-G07	Entran	9/14/00
Midrear of Left Front Door	E13-D07	Entran	7/11/00
Left Front Door Upper Centerline	D05-R25	Entran	8/8/00
Midrear of Left Rear Door	MGA095	Entran	8/10/00
Left Rear Door Upper Centerline	G01-J15	Entran	10/2/00

Note: All Endevco accelerometers are Model No. 7264-2000
 All Entran accelerometers are Model No. EGE-72