

REPORT NUMBER: 214D-MGA-2001-009

**SAFETY COMPLIANCE TESTING FOR FMVSS 214
SIDE IMPACT PROTECTION
INDICANT**

**DaimlerChrysler Corporation
2001 Chrysler Sebring Convertible
NHTSA NUMBER:C10304**

**PREPARED BY:
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BURLINGTON, WI 53105**



February 26, 2001

FINAL REPORT

**PREPARED FOR:
U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
OFFICE OF VEHICLE SAFETY COMPLIANCE
400 SEVENTH STREET, SW, ROOM 6111 (NSA-30)
WASHINGTON, D.C. 20590**

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		14. Sponsoring Agency Code NSA-30																						
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16. Abstract A 55/28 km/h 90° Moving Deformable Barrier INDICANT Compliance Test was conducted on the subject 2001 Chrysler Sebring Convertible in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-214D-05 Side Impact Protection (except the test was conducted 8kph (5 mph) faster than the standard specifies) for determination of FMVSS No. 214 Side Impact Protection. The test was conducted at MGA Research Corporation, in Burlington, Wisconsin, on February 26, 2001. The impact velocity of the Moving Deformable Barrier (MDB) was 62.4 kph, and the ambient temperature at the struck side (driver's) of the vehicle was 21.0°C. The target vehicle's maximum post test static crush was 219 mm at level 3. The test vehicle's occupant performance is as follows: <table style="margin-left: auto; margin-right: auto; border: none;"> <thead> <tr> <th></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;">81</td> <td style="text-align: center;">61</td> </tr> <tr> <td>Left Lower Rib (LLR) Accel., g</td> <td style="text-align: center;">67</td> <td style="text-align: center;">64</td> </tr> <tr> <td>Lower Spine (T₁₂) Accel., g</td> <td style="text-align: center;">79</td> <td style="text-align: center;">62</td> </tr> <tr> <td>Thoracic Trauma Index (TTI)</td> <td style="text-align: center;">80</td> <td style="text-align: center;">63</td> </tr> <tr> <td>Pelvis (PEV) Accel., g</td> <td style="text-align: center;">56</td> <td style="text-align: center;">47</td> </tr> <tr> <td>HIC</td> <td style="text-align: center;">336</td> <td style="text-align: center;">606</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	81	61	Left Lower Rib (LLR) Accel., g	67	64	Lower Spine (T ₁₂) Accel., g	79	62	Thoracic Trauma Index (TTI)	80	63	Pelvis (PEV) Accel., g	56	47	HIC	336	606
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SECTION 1

PURPOSE AND TEST PROCEDURE

1.1 PURPOSE

This side impact test is conducted as part of the FY' 2001 test program sponsored by the National Highway Traffic Safety Administration (NHTSA), under contract No. DTNH22-97-C-11033. The purpose of this test was to evaluate side impact protection in a 2001 Chrysler Sebring Convertible manufactured by DaimlerChrysler Corporation.

1.2 TEST PROCEDURE

The side impact test was conducted in accordance with the current National Highway Traffic Safety Administration (NHTSA), Office of Vehicle Safety Compliance (OVSC), laboratory test procedure TP-214D-05, dated August 2, 1999 and the corresponding MGA Research Corporation Test Procedure MGA-NHTSA2 with the exception of the test speed, which was at the NCAP High Speed Lateral Impact level (61.2 kph, approximately 8 kph faster than compliance speed). The procedures for receiving, inspection, testing, and reporting of test results are described in the test procedures and are not repeated in this report.

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

SECTION 2

SUMMARY OF SIDE IMPACT TEST

2.1 SUMMARY OF SIDE IMPACT TEST

A model year 2001 Chrysler Sebring Convertible was impacted on the left (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 62.4 km/h. The specified impact velocity range is from 61.1 to 62.7 km/h. The test (target) vehicle was stationary and positioned 63° to the line of forward motion. The weight of the vehicle as tested was 1771.8 kg and the test weight of the MDB was 1362 kg. The test was conducted at MGA Research Corporation in Burlington, Wisconsin, on February 26, 2001.

One (1) real-time motion picture camera and nine (9) high-speed motion picture cameras were used to document the impact event. Camera locations and pertinent camera information are documented in the data sheets. Pre- and post-test photographs of the vehicle and Side Impact Dummies (SID's) can be found in Appendix A. Two 50th percentile adult male SID's were placed in the driver and left rear passenger designated seating positions according to instructions specified in the OVSC Side Impact Laboratory Test Procedure dated August 2, 1999. Each SID was instrumented with eleven accelerometers in the following locations:

- Left Upper Rib (LUR) uni-axial accelerometer (Y-axis primary and redundant)
- Left Lower Rib (LLR) uni-axial accelerometer (Y-axis primary and redundant)
- Lower Thoracic Spine (T12) uni-axial accelerometer (Y-axis primary and redundant)
- Pelvic (PEV) section uni-axial accelerometer (Y-axis primary and redundant)
- Head Center of Gravity (CG) tri-axial accelerometers (X, Y, and Z axes)

The test vehicle was instrumented with twenty (20) structural accelerometers and the MDB was instrumented with five (5) accelerometers and two (2) contact switches on the bumper to compare left side to right side bumper impact timing. All data channels were recorded with a fully self contained on-board EME Data Acquisition System. The data was digitally sampled at 10,000 samples per second and processed per Appendix V of the Test Procedure.

2.2 GENERAL COMMENTS

The test vehicle sustained a maximum static crush of 219 mm at level 3, 900 mm rearward of the left vertical impact point. The driver and passenger SID's, Serial Nos. 037 and 036 respectively, were calibrated just prior to this test. The SID's injury criteria is summarized as follows:

Measurements	Units	Driver	Passenger
Thoracic Trauma Index (TTI)	G's	80	63
Peak Pelvic G's (PEV)	G's	56	47
Head Injury Criteria (HIC)	none	336	606

Test summaries and post-test observations are presented in Section 3. The vehicle, camera, and occupant measurements are presented in Section 4. Appendix A contains the still photograph prints. Appendix B contains the driver and passenger SID's, vehicle, and MDB response data traces. Appendix C contains the SID's configuration and performance verification data. Appendix D contains the test equipment information.

TEST NOTES

The following accelerometers were not used for this test:

Left Front Door on Centerline
Midrear of Left Front Door
Left Front Door Upper Centerline
Midrear of Left Rear door
Left Rear Door Upper Centerline
Rear Seat Track

SECTION 3

SIDE IMPACT DUMMY (SID) AND VEHICLE TEST DATA

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

CONVERSION FACTORS USED IN THIS REPORT*

Quantity	Typical Application	Old Units	Metric Unit	Multiply By
Mass	Vehicle Weight	lb	kg	0.4536
Linear Velocity	Impact Velocity	mile/h	km/h	1.609
Length or Distance	Measurements	in	mm	25.4
Volume	Fuel Systems	gal	liter	3.785
Volume	Small Fluids	oz	mL	29.573
Pressure	Tire Pressure	lbf/in ²	kPa	7.0
Volume	Liquid	gal	liter	3.785
Temperature	General Use	°F	°C	$=(\text{tf} - 32)/1.8$
Force	Dynamic Forces	lbf	N	4.448
Moment	Torque	lbf/ft	Nm	1.355

*Based on the Recommended Practice in SAE J916, May 85

DATA SHEET NO. 1

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

TEST VEHICLE INFORMATION

Make	Chrysler
Model	Sebring
Body Style	Convertible
NHTSA No.	C10304
VIN	1C3EL45U81N602265
Color	Silver
Delivery Date	February 14, 2001
Odometer Reading (mile)	38
Dealer	Sunnyside Company
Transmission	Automatic
Final Drive	Front
Number of Cylinders	6
Engine Displacement (L)	2.7
Engine Placement	Lateral

TEST VEHICLE OPTIONS

Front Airbags	yes
Side Airbags	no
Power Windows	yes
Power Steering	yes
Power Door Locks	yes
Tilt Wheel	yes
Air Conditioning	yes
Power Brakes	yes
Disc Brakes, Front	yes
Disc Brakes, Rear	yes
Anti-lock Brakes	yes
AM/FM/Cassette	yes
Anti-theft System	yes
Cruise Control	yes

DATA FROM CERTIFICATION LABEL

Manufactured By	DaimlerChrysler Corp.
Date of Manufacture	1/01

GVWR (kg)	1957
GAWR Front (kg)	1104
GAWR Rear (kg)	888

DATA FROM TIRE PLACARD

Measured Parameter	Front	Rear
Maximum Tire Pressure (kPa)	210	210
Cold Pressure (kPa)	210	210
Recommend Tire Size	P205/60R16	P205/60R16
Tire Size on Vehicle	P205/60R16	P205/60R16
Tire Manufacturer	Michelin	Michelin

Measured Parameter	Front	Rear	Third	Total
Type of Seats	bucket	bench		
Number of Occupants	2	2		4
Capacity Wt. (VCW) (kg)				324
Cargo Weight (RCLW) (kg)				52

DATA SHEET NO. 1...(continued)
GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

TEST VEHICLE WEIGHTS

	Units	As Delivered (UVW)			As Tested (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	491.2	303.0		530.3	391.9	
Right	kg	462.7	305.7		480.8	368.8	
Ratio	%	61.0	39.0		57.0	43.0	
Totals	kg	953.9	608.7	1562.6	1011.1	760.7	1771.8

TARGET TEST WEIGHT CALCULATION*

Measured Parameter	Units	Value
Total Delivered Weight (UVW)	kg	1562.6
Weight of 2 P572F Side Impact Dummies	kg	161.4
Rated Cargo/Luggage Weight (RCLW)	kg	52.0
Calculated Vehicle Target Weight (TVTW)	kg	1776.0

*Actual As Tested Weight (ATW) will be TVTW +4.5/9.0 kg

TEST VEHICLE ATTITUDES AND CG

	Units	LF	RF	LR	RR	CG (aft of front axle)
As Delivered	mm	699	703	710	710	1050
As Tested	mm	687	698	679	675	1157
Fully Loaded	mm	685	698	672	682	

GENERAL TEST VEHICLE DATA

Measurement Description	Units	Value
Test Vehicle Wheel Base	mm	2695
Total Vehicle Length at Left Side	mm	3748
Total Vehicle Length at Centerline	mm	4902
Total Vehicle Length at Right Side	mm	3750
Weight of Ballast in Cargo Area	kg	22.7
Amount of Stoddard Solvent in Fuel Tank	liters	56

TEST VEHICLE VERTICAL IMPACT LINE DATA

Measurement Description	Units	Value
Test Vehicle Wheel Base	mm	2695
Target Impact Point Aft of Front Axle	mm	407
Actual Impact Point Aft of Front Axle	mm	395

DATA SHEET NO. 1...(continued)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2001/Chrysler/Sebring/Convertible

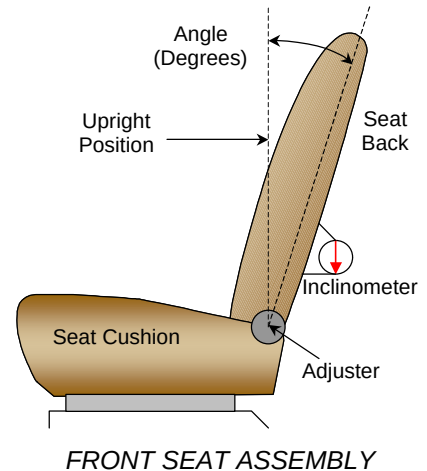
NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

NORMAL DESIGN RIDING POSITION

The driver's seat back is positioned to the manufacturer's designated angle. The procedure for the seat is as follows: a slit is cut into the fabric of the seat at the inboard edge, approximately 4 inches above the pivot point to expose the frame of the seat. An inclinometer is firmly placed against the flat portion of the frame surface and the seat back is adjusted to 24 degrees. The rear passenger seat is fixed; no adjustments can be made.



Driver seat back angle: 23E

Passenger seat back angle: non-adjustable

SEAT FORE/AFT POSITIONS

The driver's seat is electronically operated and the rear passenger seat has no adjustments. The fore/aft is set to the middle position for the driver's seat.

Driver seat fore/aft total travel: 220 mm

Rear passenger seat fore/aft total travel: Non-adjustable

Driver seat fore/aft position: 110 mm

Rear passenger seat fore/aft position: Non-adjustable

SEAT BELT UPPER ANCHORAGE

The test vehicle is equipped with a self adjusting integrated "D" ring anchorage for the driver's seat position.

DATA SHEET NO. 1...(continued)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

FUEL TANK CAPACITY DATA

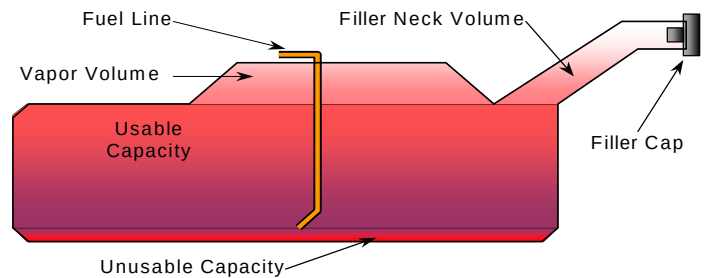
The "Usable Capacity" of the standard equipment fuel tank is: 60.6 liters

The "Usable Capacity" of any optional equipment fuel tank is: N/A liters

92-94% of "Usable Capacity" for certification to FMVSS 301 requirement: 55.8 to 57.0 liters

Actual amount of Stoddard solvent added to vehicle for certification test: 56 liters

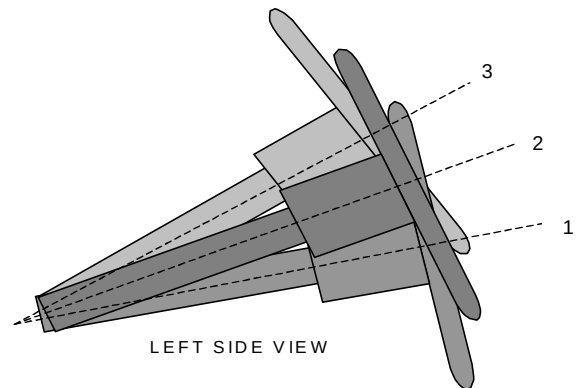
The test vehicle is equipped with an electric fuel pump. The fuel pump will operate for approximately (800 msec) with the ignition in the "ON" position, after which the fuel pump automatically shuts off. The fuel filler door is located on the left rear fender.



VEHICLE FUEL TANK ASSEMBLY

STEERING COLUMN ADJUSTMENT

Steering wheel and column adjustments are made so that the steering wheel hub is at the geometric center of the locus it describes, when it is moved through its full range of motion. A square is placed across the rim of the steering wheel, and inclinometer is placed onto the square and the angle is measured. The tested vehicle has a fixed steering column, no adjustment can be made.



STEERING COLUMN ASSEMBLY

Lowermost, position 1: 19.4

Geometric center, position 2: 21.7°

Uppermost, position 3: 24.1

DATA SHEET NO. 2**TEST VEHICLE SUMMARY OF RESULTS**Test Vehicle: 2001/Chrysler/Sebring/ConvertibleNHTSA No.: C10304Test Program: FMVSS 214Test Date: February 26, 2001**TEST VEHICLE WEIGHTS**

	Units	As Delivered (UVW)			As Tested (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	491.2	303.0		530.3	391.9	
Right	kg	462.7	305.7		480.8	368.8	
Weight Ratio	%	61.0	39.0		57.0	43.0	
Totals	kg	953.9	608.7	1562.6	1011.1	760.7	1771.8

MAXIMUM EXTERIOR STATIC CRUSH

Level	Measured Parameter	Units	Maximum Crush	Above Ground
Level 1	Sill Top Height	mm	59	233
Level 2	Occupant H-Point	mm	218	454
Level 3	Mid Door	mm	219	556
Level 4	Window Sill	mm	200	854
Level 5	Window Top	mm	-35	1249
N/A	Maximum Penetration	mm	219	556

INSTRUMENTATION

Driver SID Accelerometers	11
Passenger SID Accelerometers	11
Vehicle Structure Accelerometers	20
MDB Accelerometers	5
Total	47

DATA SHEET NO. 3**MOVING DEFORMABLE BARRIER (MDB) SUMMARY OF RESULTS**Test Vehicle: 2001/Chrysler/Sebring/ConvertibleNHTSA No.: C10304Test Program: FMVSS 214Test Date: February 26, 2001**MDB SPECIFICATIONS (mm)**

Measurement Description	Length
Overall Width of Framework Carriage	1252
Overall Length Including Honeycomb Face	4115
Wheel base of Framework Carriage	2590
C.G. Location aft of Front Axle	1127

MDB WEIGHTS

	Units	Front Axle	Rear Axle	Total
Left	kg	395.1	293.8	
Right	kg	385.7	287.4	
Ratio	%	57.3	42.7	
Totals	kg	780.8	581.2	1362.0

SPEED AND IMPACT ANGLE DATA

Measured Parameter	Units	Requirement	Value
Trap No. 1 Velocity (Primary)	km/h	61.1 to 62.7	62.4
Trap No. 2 Velocity (Redundant)	km/h	61.1 to 62.7	62.0
MDB CL to Target Vehicle CL	degrees	88.5 to 91.5	89.7

MAXIMUM STATIC CRUSH OF HONEYCOMB FACE (mm)

Vertical Location			From Centerline		Max. Crush
Row	Description	Height	Distance	Direction	
A	Center of Bumper	432	800	Left	210
B	Top of Bumper	533	500	Right	161
C	Mid Level	686	800	Left	149
D	Top of Stack	813	800	Left	135

MDB INSTRUMENTATION AND CAMERAS

Accelerometers	5
Contact Switches	2
High Speed Cameras	2

DATA SHEET NO. 4**POST TEST OBSERVATIONS**Test Vehicle: 2001/Chrysler/Sebring/ConvertibleNHTSA No.: C10304Test Program: FMVSS 214Test Date: February 26, 2001**TEST DUMMY INFORMATION AND CONTACT POINTS**

Description	Front Seat SID	Rear Seat SID
Dummy Type / Serial No.	036	037
Head Contact	Window sill , headrest	C-pillar
Upper Torso Contact	Door panel	Side panel
Lower Torso Contact	Door panel	Side panel
Left Knee Contact	Door panel	Side panel
Right Knee Contact	Left knee	Left knee

POST TEST DOOR OPENING AND SEAT TRACK INFORMATION

Description	Front	Rear
Left Side Door Opening	Remained closed	N/A
Right Side Door Opening	Remained closed	N/A
Seat Movement	none	none
Seat Back Failure	none	none

POST TEST STRUCTURAL OBSERVATIONS

Critical Areas of Performance	Observations and Conclusions
Pillar Performance	No separation
Sill Separation	No separation
Windshield Damage	Windshield broke
Window Damage	Both left side windows broke
Other Notable Effects	none

AIRBAG DEPLOYMENT

	Driver	Front Passenger	Rear Passenger
Front	Yes	Yes	
Side			

MDB LEFT EDGE IMPACT POINT DATA

Measured Parameter	Units	Requirement	Value
Horizontal Offset	mm	+/- 50	12 mm forward
Vertical Offset	mm	+/-20	4 mm up

SECTION 4
OCCUPANT AND VEHICLE INFORMATION

DATA SHEET NO. 5

SID INJURY CRITERIA AND SENSOR DATA

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

THORAX AND PELVIS PEAK ACCELERATIONS (FIR 100 Filtered)

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Upper Rib (LUR)	Y	G's	81.3	35	10.0	71	61.5	45	4.4	120
Upper Rib (LUR) (R)	Y	G's	81.8	35	10.0	70	60.8	45	3.9	120
Lower Rib (LLR)	Y	G's	66.6	36	9.0	88	64.2	45	6.7	111
Lower Rib (LLR) (R)	Y	G's	66.8	36	9.0	88	62.6	45	5.5	111
Lower Spine (T ₁₂)	Y	G's	78.5	39	13.2	62	62.3	57	6.1	114
Lower Spine (T ₁₂) (R)	Y	G's	76.9	39	14.3	62	61.7	57	5.9	114
Pelvis (PEV)	Y	G's	55.7	39	11.5	102	46.8	56	4.0	82
Pelvis (PEV) (R)	Y	G's	56.2	39	11.5	101	47.4	56	3.5	81

THORACIC TRAUMA INDEX (TTI) AND PELVIC ACCELERATION (FIR 100 Filtered)

Location	Driver				Passenger			
	LUR	T ₁₂	TTI(g)	PEV(g)	LLR	T ₁₂	TTI(g)	PEV(g)
Rib, Spine, and Pelvis	81.3	78.5	79.9	55.7	64.2	62.3	63.3	46.8
Rib, Spine, and Pelvis (R)	81.8	78.5	80.2	56.2	62.6	61.7	62.2	47.4

HEAD CG PEAK ACCELERATIONS (SAE CLASS 1000 Filtered)

Location	Axis	Units	Driver				Passenger			
			Max	Time	Min	Time	Max	Time	Min	Time
Head CG	X	G's	3.6	153	44.0	76	13.6	111	49.1	58
Head CG	Y	G's	48.1	76	4.4	29	120.1	58	10.0	112
Head CG	Z	G's	51.5	53	0.4	122	32.2	59	7.3	111
Head CG Resultant		G's	65.3	76			131.8	58		

HEAD INJURY CRITERIA (SAE CLASS 1000 Filtered)

Location	Driver				Passenger			
	HIC	T ¹	T ²	Avg G's	HIC	T ¹	T ²	Avg G's
Head CG	336	45.1	81.1	15.4	606	56.4	68.8	29.9

Positive Acceleration Polarities: Longitudinal (X)
(Conforms to SAE J211)

Lateral (Y)
Vertical (Z)

= Forward
= Right
= Down

DATA SHEET NO. 6

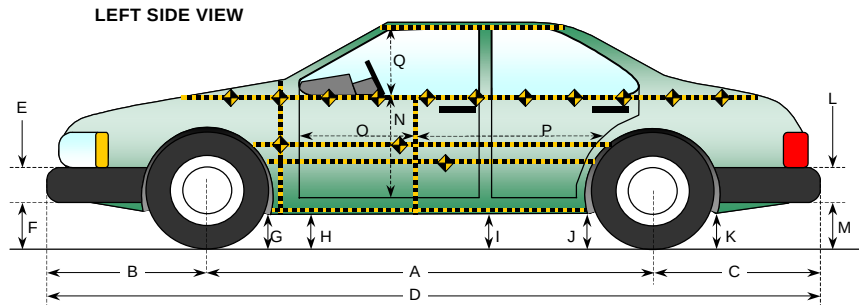
VEHICLE PRE-TEST AND POST-TEST MEASUREMENTS

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001



All Measurements in mm

Code	Measurement Description	Pre-Test	Post-Test	Difference
A	Wheelbase	2695	2663	-32
B	Front Axle to FSOV	1055	1033	-22
C	Rear Axle to RSOV	1152	1167	15
D	Total Length at Centerline	4902	4863	-39
E	Front Bumper Thickness	164	164	0
F	Front Bumper Bottom to Ground	345	348	3
G	Sill Height at Front Wheel Well	147	156	9
H	Sill Height at Front Door Leading Edge	143	149	6
I	Sill Height at "B" Pillar	140	142	2
J1	Sill Height at Rear Wheel Well	143	139	-4
J2	Pinch Weld Height at Rear Wheel Well	139	138	-1
K	Sill Height Aft of Rear Wheel Well	222	224	2
L	Rear Bumper Thickness	208	208	0
M	Rear Bumper Bottom to Ground	361	360	-1
N	Sill Height to Window Bottom Sill	680	644	-36
O	Front Door Leading Edge to Impact CL	830	878	48
P	Rear Door Trailing Edge to Impact CL	564	546	-18
Q	Front Window Opening	534	398	-136
R	Right Side Length	3750	3762	12
S	Left Side Length	3748	3704	-44
T	Vehicle Width at "B" Post	1754	1674	-80

DATA SHEET NO. 7

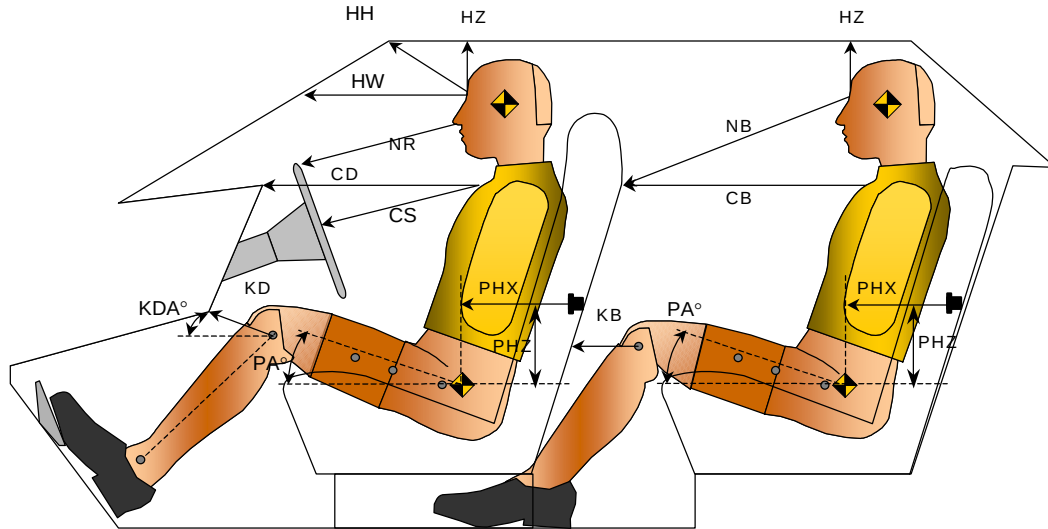
SID LONGITUDINAL CLEARANCE DIMENSIONS

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001



Driver Code	Pass. Code	Measurement Description	Driver 037		Passenger 036	
			Length(mm)	Angle(°)	Length(mm)	Angle(°)
HH		Head to Header	408			
HW		Head to Windshield	652			
HZ	HZ	Head to Roof	177		155	
NR	NB	Nose to Rim/Nose to Seatback	404		543	
CD	CB	Chest to Dash or Seatback	502		488	
CS		Chest to Steering Wheel	306			
KDL	KBL	Left Knee to Dash or Seatback	220	0	199	0
KDR	KBR	Right Knee to Dash or Seatback	300	0	201	0
PA	PA	Pelvic Angle	24.3			24.8
PHX	PHX	H-Point to Striker (X-Axis)	438		453	
PHZ	PHZ	H-Point to Striker (Z-Axis)	129		168	

DATA SHEET NO. 8

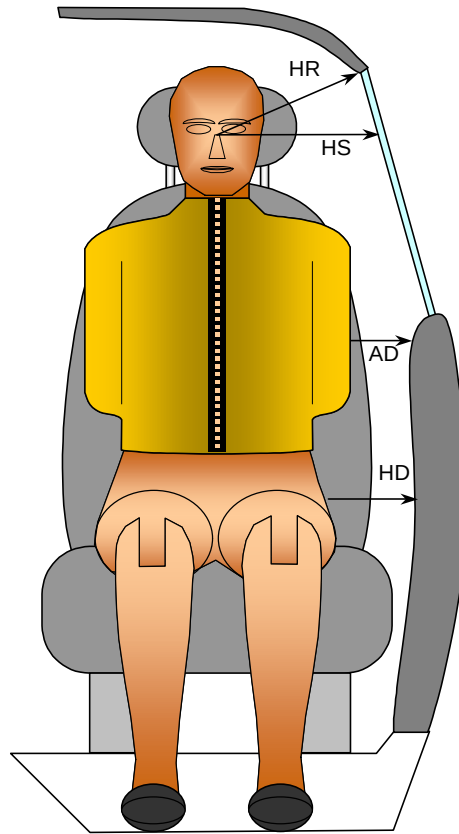
SID LATERAL CLEARANCE DIMENSIONS

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001



FRONT VIEW OF DUMMY

Code	Measurement Description	Units	Driver 037	Passenger 036
HR	Head to Side Header	mm	198	213
HS	Head to Side Window	mm	300	202
AD	Arm to Door	mm	123	47
HD	H-Point to Door	mm	124	138

DATA SHEET NO. 9

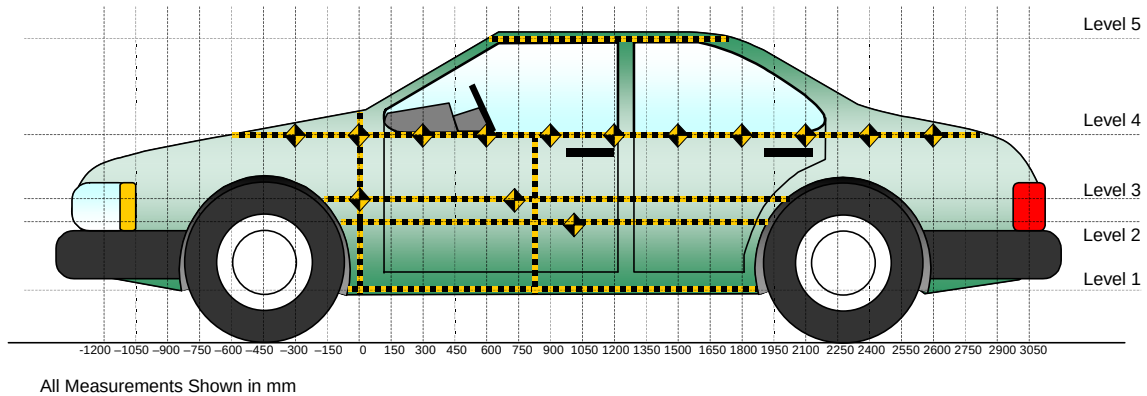
VEHICLE SIDE MEASUREMENTS

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001



LEFT SIDE VIEW

Measurements are taken with vehicle in the as tested condition.

Measurements along the vertical 800 mm.

All measurements below in mm.

Level	Measurement Description	Height Above Ground
5	Window	1249
4	Window Sill	854
3	Mid Door	556
2	Occupant H-Point	454
1	Sill Top	233

DATA SHEET NO. 10

VEHICLE EXTERIOR CRUSH PROFILES

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

	Pre-Test					Post-Test					Difference				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
-900															
-750				338					348					10	
-600				318					334					16	
-450				302					322					20	
-300				293					318					25	
-150				286					317					31	
0	263	224	219	285		291	260	260	319		28	36	41	34	
150	279	228	220	284		320	377	384	357		41	149	164	73	
300	281	228	222	284		327	402	413	378		46	174	191	94	
450	279	228	222	286		328	414	427	398		49	186	205	112	
600	279	227	225	285		329	423	434	420		50	196	209	135	
750	281	227	226	286	502	331	430	439	444	523	50	203	213	158	21
900	279	227	226	288	516	333	438	445	459	518	54	211	219	171	2
1050	278	227	226	291	527	333	445	443	473	521	55	218	217	182	-6
1200	276	227	227	294	536	333	438	442	483	541	57	211	215	189	5
1350	274	226	227	296	544	331	374	400	496	532	57	148	173	200	-12
1500	272	225	226	303	547	329	387	403	498	512	57	162	177	195	-35
1650	269	224	226	308	562	328	418	437	441	560	59	194	211	133	-2
1800	270	224	226	310	574	326	366	381	379	573	56	142	155	69	-1
1950			216	318	578			293	334	580			77	16	2
2100				327	620				342	606				15	-14
2250				338	662				350	644				12	-18
2400				349					359					10	
2550				363					369					6	
2700				381					382					1	
2850				396					397					1	
3000				419					415					-4	
3150				444					436					-8	

Reference plane is parallel to test vehicle longitudinal centerline

Given dimensions = Reference plane to car body

DATA SHEET NO. 10...(continued)

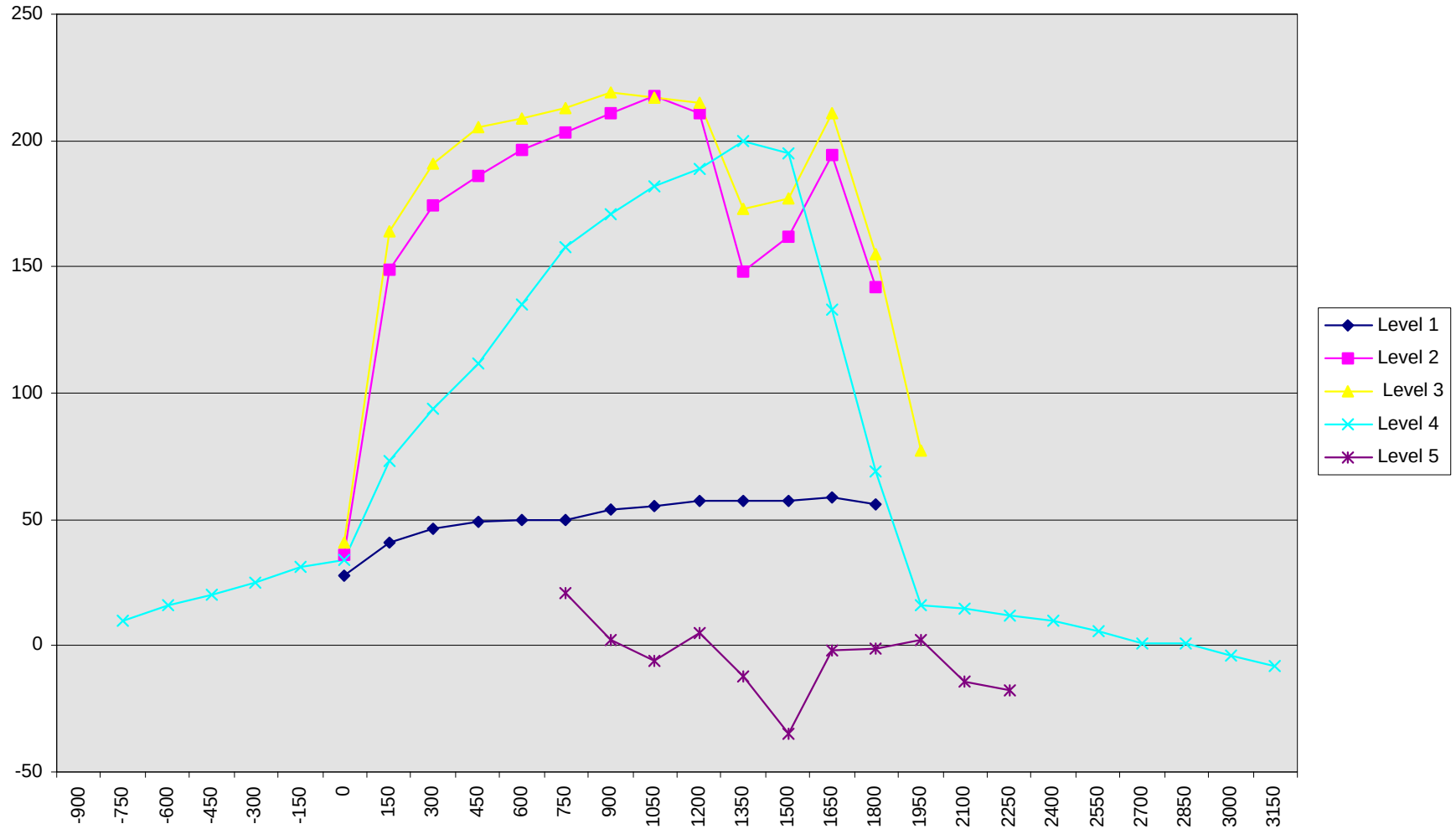
VEHICLE EXTERIOR CRUSH PROFILES

Test Vehicle: 2001/Chrysler/Sebring/Convertible NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

19



DATA SHEET NO. 11

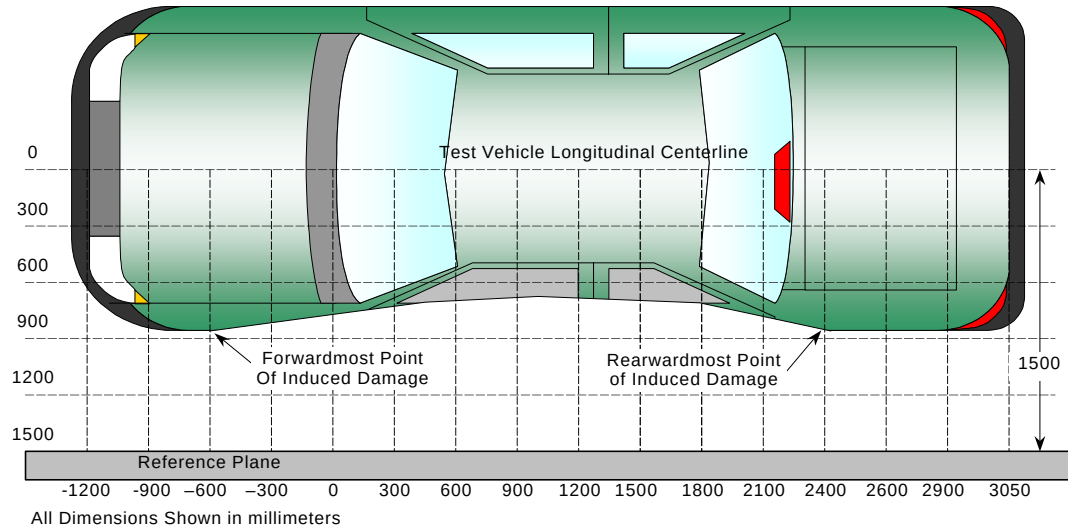
VEHICLE DAMAGE PROFILE DISTANCES

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001



TOP VIEW

Damage Profile Distances

DPD	Distance from Impact Point in mm	Level	Pre-Test (mm)	Post-Test (mm)	Max Static Crush (mm)
1	2850 mm	4	397	396	1
2	2140 mm	4	344	328	16
3	1368 mm	4	496	297	199
4	655 mm	3	435	226	209
5	-37 mm	4	319	285	34
6	-750 mm	4	348	338	10

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

DATA SHEET NO. 12

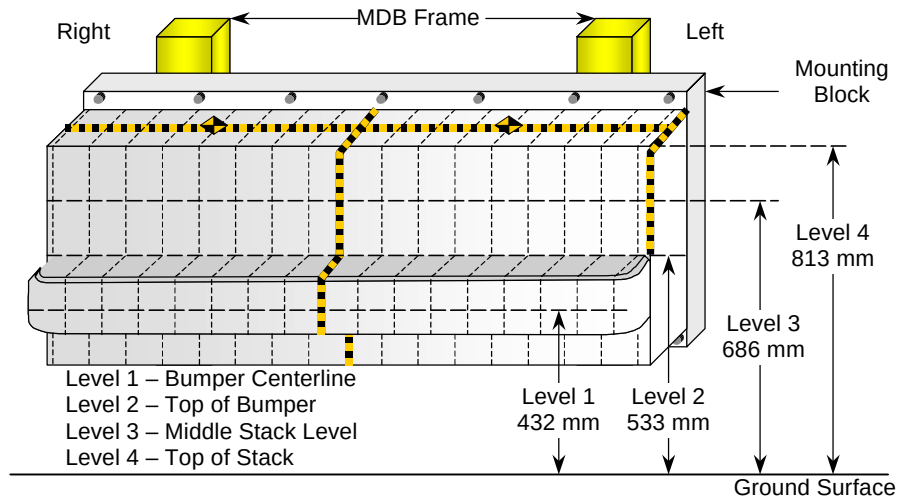
DEFORMABLE BARRIER HONEYCOMB FACE STATIC CRUSH

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001



DEFORMABLE BARRIER STATIC CRUSH

Stack Level	Distance Right of Center								C _L	Distance Left of Center							
	800	700	600	500	400	300	200	100		100	200	300	400	500	600	700	800
1	174	192	189	207	201	147	117	108	99	108	111	117	127	139	155	180	210
2	107	135	146	161	115	69	56	52	52	54	59	65	71	78	92	101	143
3	78	36	43	67	44	30	22	19	18	20	23	30	43	62	86	112	149
4	97	40	17	28	6	9	11	15	16	22	25	30	41	55	78	97	135

All Dimensions in mm

DATA SHEET NO. 13

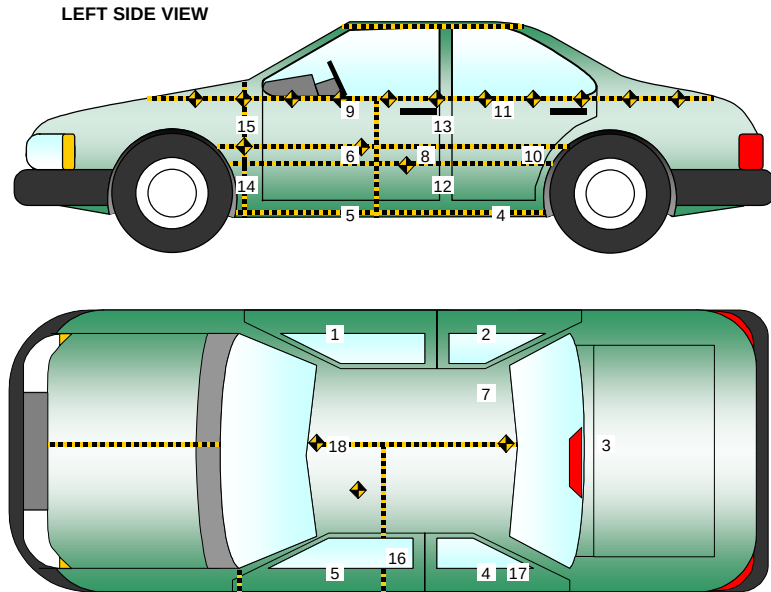
VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001



No.	Location
1	Right Sill at Front Seat
2	Right Sill at Rear Seat
3	Rear Floorpan Above Axle
4	Left Sill at Rear Seat
5	Left Sill at Front Seat
6	Left Front Door Centerline
7	Right Rear Occupant Compartment
8	Left Front Door Mid-Rear
9	Left Front Door Upper Centerline

No.	Location
10	Left Rear Door Mid-Rear
11	Left Rear Door Upper Centerline
12	Left Lower B-Post
13	Left Middle B-Post
14	Left Lower A-Post
15	Left Middle A-Post
16	Left Front Seat Track
17	Rear Seat Track or Structure
18	Vehicle CG

DATA SHEET NO. 13...(continued)

VEHICLE ACCELEROMETER LOCATION AND DATA SUMMARY

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

VEHICLE ACCELEROMETER PEAK DATA AND PRE-TEST LOCATIONS

Loc. No.	Accelerometer Location	Measurements (mm)			Peak Values (G's)				
		X	Y	Z	Axis	Max	Time	Min	Time
1	Right Sill at Front Seat	2777	687	175	X	2.6	54	9.0	19
					Y	33.1	7	3.8	151
					Z	7.8	31	5.9	8
					RES	33.8	7		
2	Right Sill at Rear Seat	1873	687	190	X	2.9	54	6.6	19
					Y	34.8	7	5.6	150
					Z*	3.8	29	6.7	16
					RES				
3	Rear Floorpan Above Axle	1135	0	550	X	5.1	21	5.1	15
					Y	24.1	31	3.0	152
					Z	4.9	16	4.4	24
					RES	24.4	31		
4	Left Sill at Rear Seat	1889	-687	185	Y	37.8	20	4.4	147
5	Left Sill at Front Seat	2742	-687	180	Y	25.1	4	4.3	52
7	Rear Occupant Compartment	1942	268	375	Y	29.5	6	4.4	151
12	Left B-Post Lower	2054	-710	270	Y	42.1	20	5.7	147
13	Left B-Post Middle	2010	-722	766	Y	101.4	14	59.2	56
14	Left A-Post Lower	3257	-710	310	Y	60.0	2	14.5	15
15	Left A-Post Middle	3320	-765	810	Y	44.3	10	11.4	20
16	Left Front Seat Track	2539	-560	320	Y	29.2	4	5.6	52
17	Vehicle CG	-1092	0	483	X	6.5	58	9.1	30
					Y	22.9	5	5.1	138
					Z	17.3	23	17.0	58
					RES	27.3	23		

Reference Points X - Rear of Vehicle (+ forward)
 Y - Vehicle Centerline (+ to right)
 Z - Ground Plane (+ up)

* No valid data after 32 msec

DATA SHEET NO. 14

MDB ACCELEROMETER LOCATIONS AND DATA SUMMARY

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

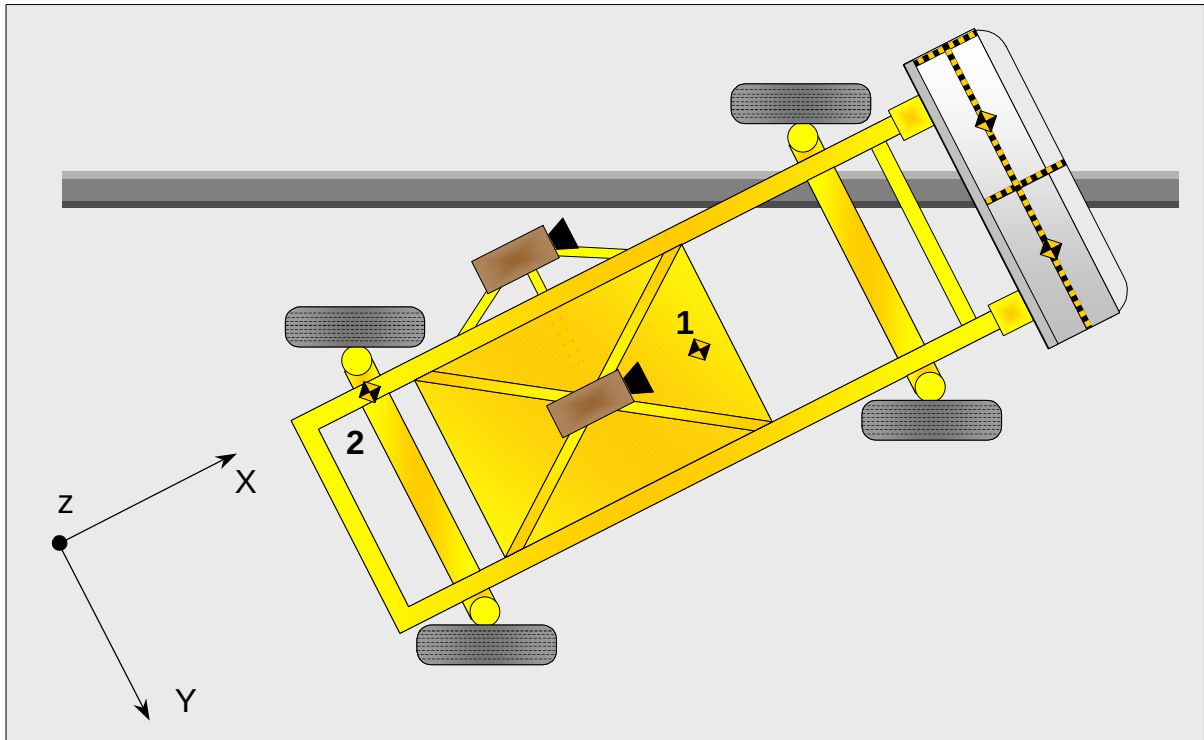
Test Program: FMVSS 214

Test Date: February 26, 2001

MDB ACCELEROMETER PEAK DATA AND LOCATIONS

Loc. No.	Accelerometer Location	Measurement (mm)			Peak Values (G's)				
		X	Y	Z	Axis	Max	Time	Min	Time
1	MDB CG	-1092	0	483	X	1.5	121	18.6	33
					Y	0.8	96	7.8	23
					Z	17.6	48	16.8	41
					RES	25.0	41		
2	MDB Rear	-2591	-625	622	X	2.4	95	23.4	34
					Y	1.8	168	5.0	27

Reference Points
 X - MDB Front Axle (+ forward)
 Y - MDB Centerline (+ to right)
 Z - Ground Plane (+ up)



DATA SHEET NO. 15

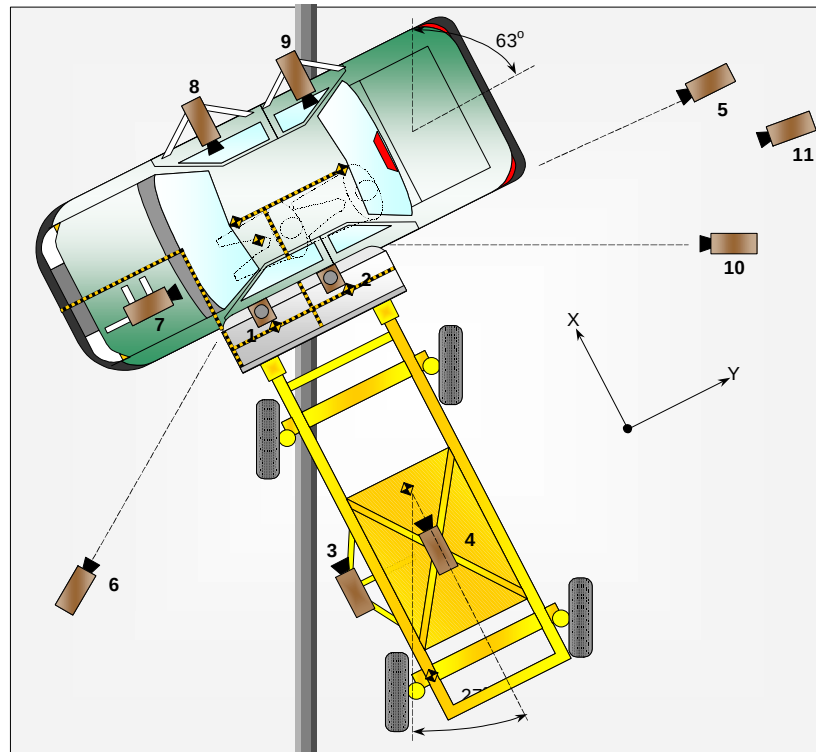
HIGH SPEED CAMERA LOCATIONS AND DATA

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001



No.	Camera View	Location (mm)			Lens (mm)	Film Speed (fps)
		X	Y	Z		
1	Overhead Overall	-250	1130	5000	8	**
2	Overhead Close-up	-610	-330	5000	13	**
3	MDB Onboard, Impact Point Close-up				35	**
4	MDB Onboard, Centerline of Impact				13	**
5	Right Side, Ground Level, Overall	-570	10100	1810	13	**
6	Left Side, Ground Level, Overall	-900	-2080	1650	13	**
7	Vehicle Onboard Front SID, Front				8	**
8	Vehicle Onboard Front SID, Side				8	**
9	Vehicle Onboard Rear SID, Side				8	**
10	Real Time Coverage				10	24

Reference Points
X - MDB Front Axle (+ forward)
Y - MDB Centerline (+ to right)
Z - Ground Plane (+ up)

** No timing marks.

DATA SHEET NO. 16

FMVSS 301 FUEL SYSTEM INTEGRITY POST IMPACT DATA

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

Test Program: FMVSS 214

Test Date: February 26, 2001

Test Time: 4:40 pm

Temperature at Time of Impact: 21.0E C

Stoddard Solvent Spillage Measurements

- A. From impact until vehicle motion ceases: 0 oz.
(Maximum Allowable = 1 ounce)
- B. For the 5 minute period after motion ceases: 0 oz.
(Maximum Allowable = 5 ounces)
- C. For the following 25 minutes: 0 oz.
(Maximum Allowable = 1 oz./minute)
- D. Spillage Details: None

DATA SHEET NO. 17

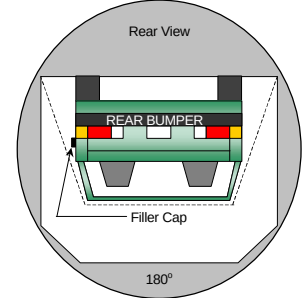
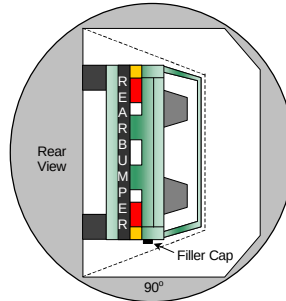
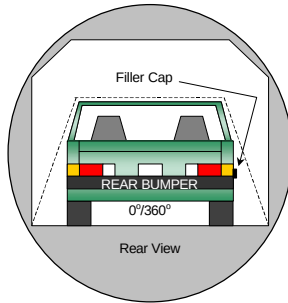
FMVSS 301 STATIC ROLLOVER DATA SHEET

Test Vehicle: 2001/Chrysler/Sebring/Convertible

NHTSA No.: C10304

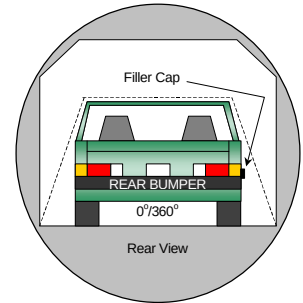
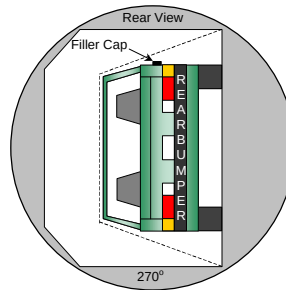
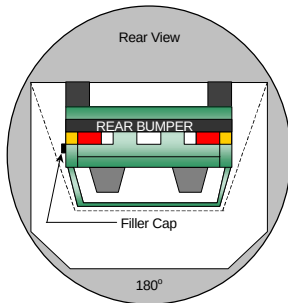
Test Program: FMVSS 214

Test Date: February 26, 2001



0° TO 90°

90° TO 180°



180° TO 270°

270° TO 360°

1. The specified fixture rollover rate for each 90° 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:

Rollover Test Phase	Rotation Time (sec.)	Hold Time (sec.)	Spillage (oz.)
0° TO 90°	171	300	0
90° TO 180°	151	300	0
180° TO 270°	134	300	0
270° TO 360°	153	300	0

APPENDIX A

PHOTOGRAPHS

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Photo No. A-34 - Post-Test Passenger Dummy Shoulder and Door Top View	A-34
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Photo No. A-1 - Pre-Test Front View of Test Vehicle



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



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



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

A-5



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

A-6



Photo No. A-6 - Post-Test Left Side View of Test Vehicle



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

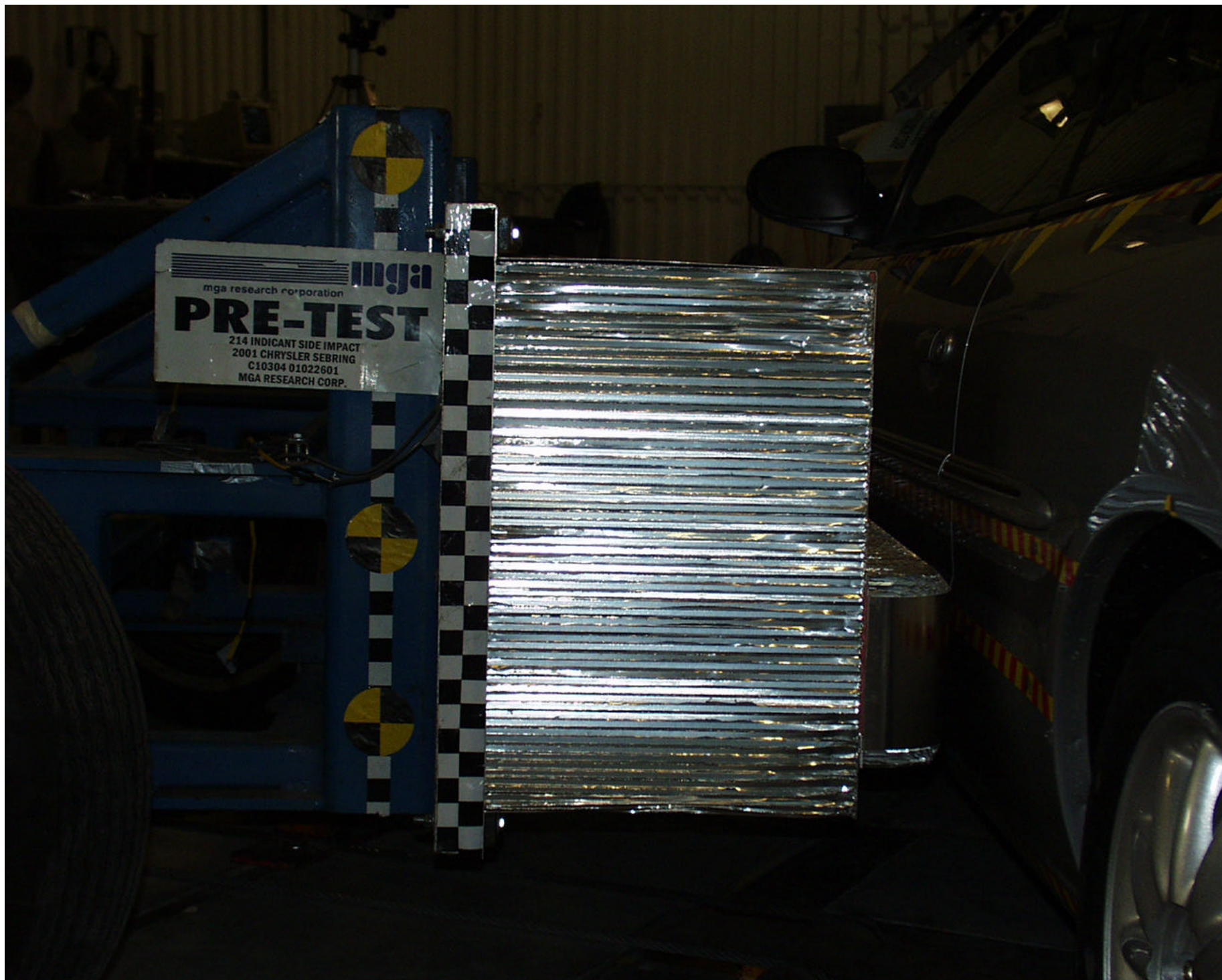


Photo No. A-8 - Pre-Test MDB Positioned Against Vehicle (right side)



Photo No. A-9 - Pre-Test MDB Positioned Against Vehicle Overhead View

A-10



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

A-11

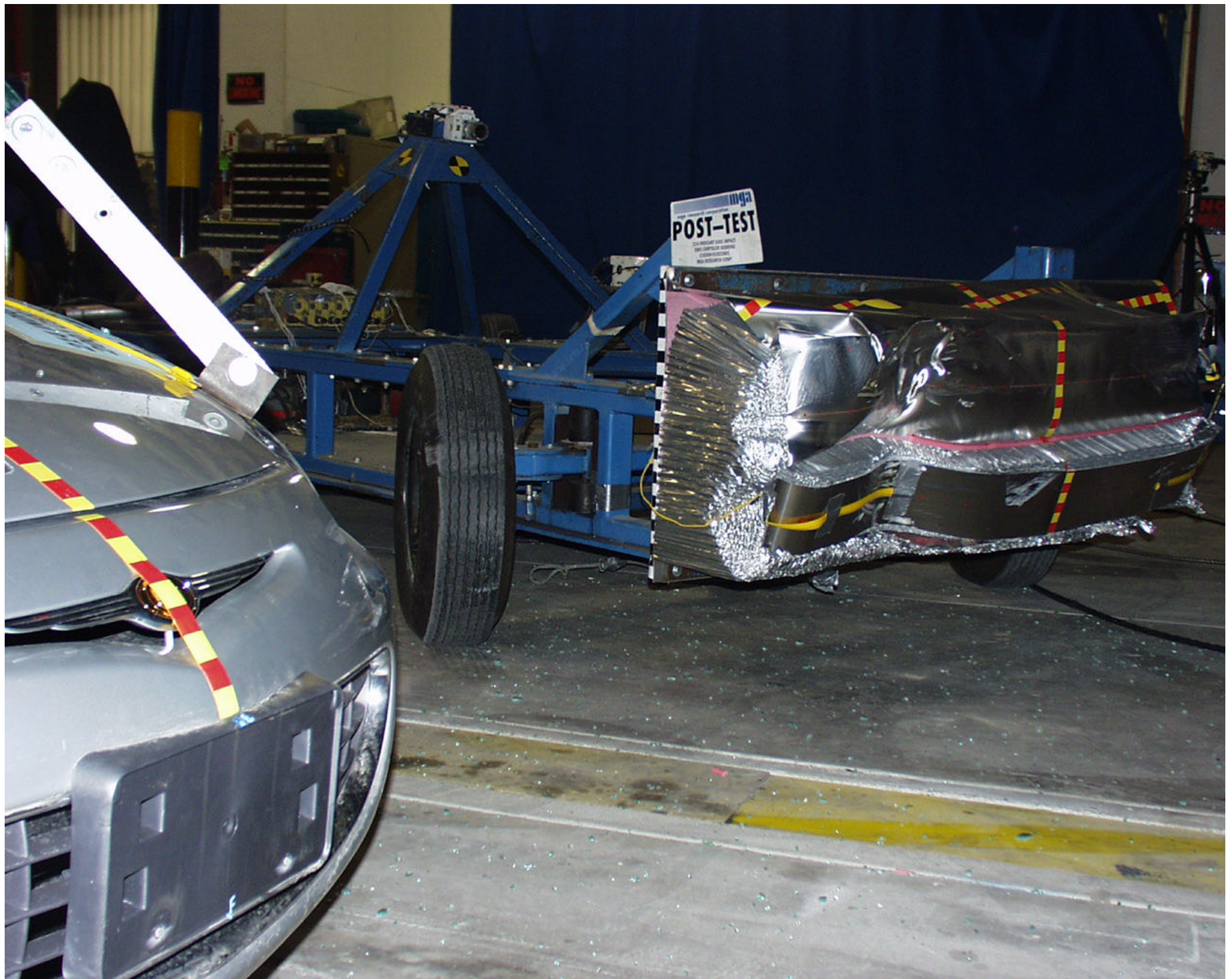


Photo No. A-11 - Post-Test MDB and Vehicle (right side)



Photo No. A-12 - Post-Test MDB and Vehicle Overhead View

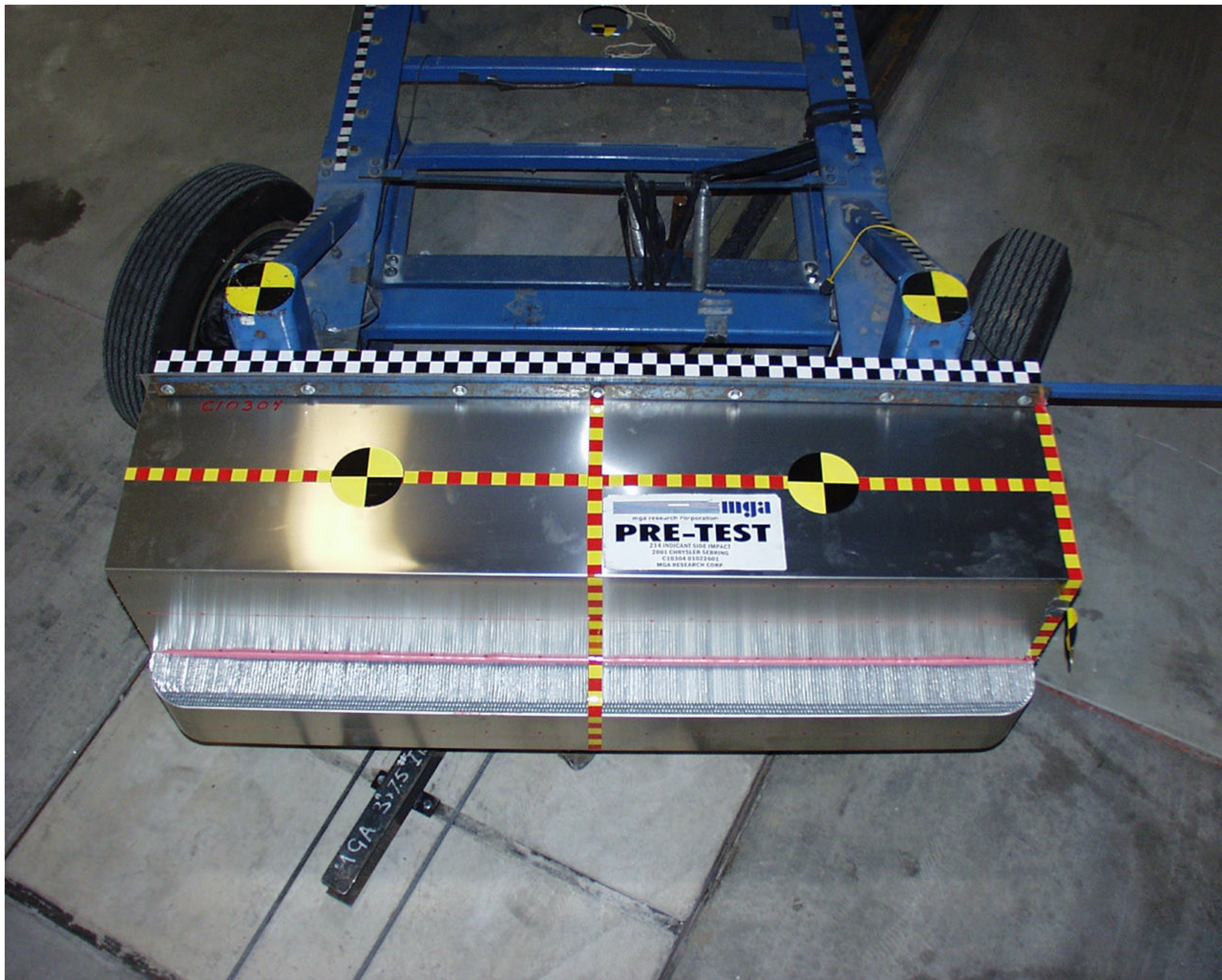


Photo No. A-13 - Pre-Test MDB Top View



Photo No. A-14 - Post-Test MDB Top View

A-15



Photo No. A-15 - Pre-Test MDB Front View

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Photo No. A-16 - Post-Test MDB Front View



Photo No. A-17 - Pre-Test MDB Right Side View



Photo No. A-18 - Post-Test MDB Right Side View

A-19

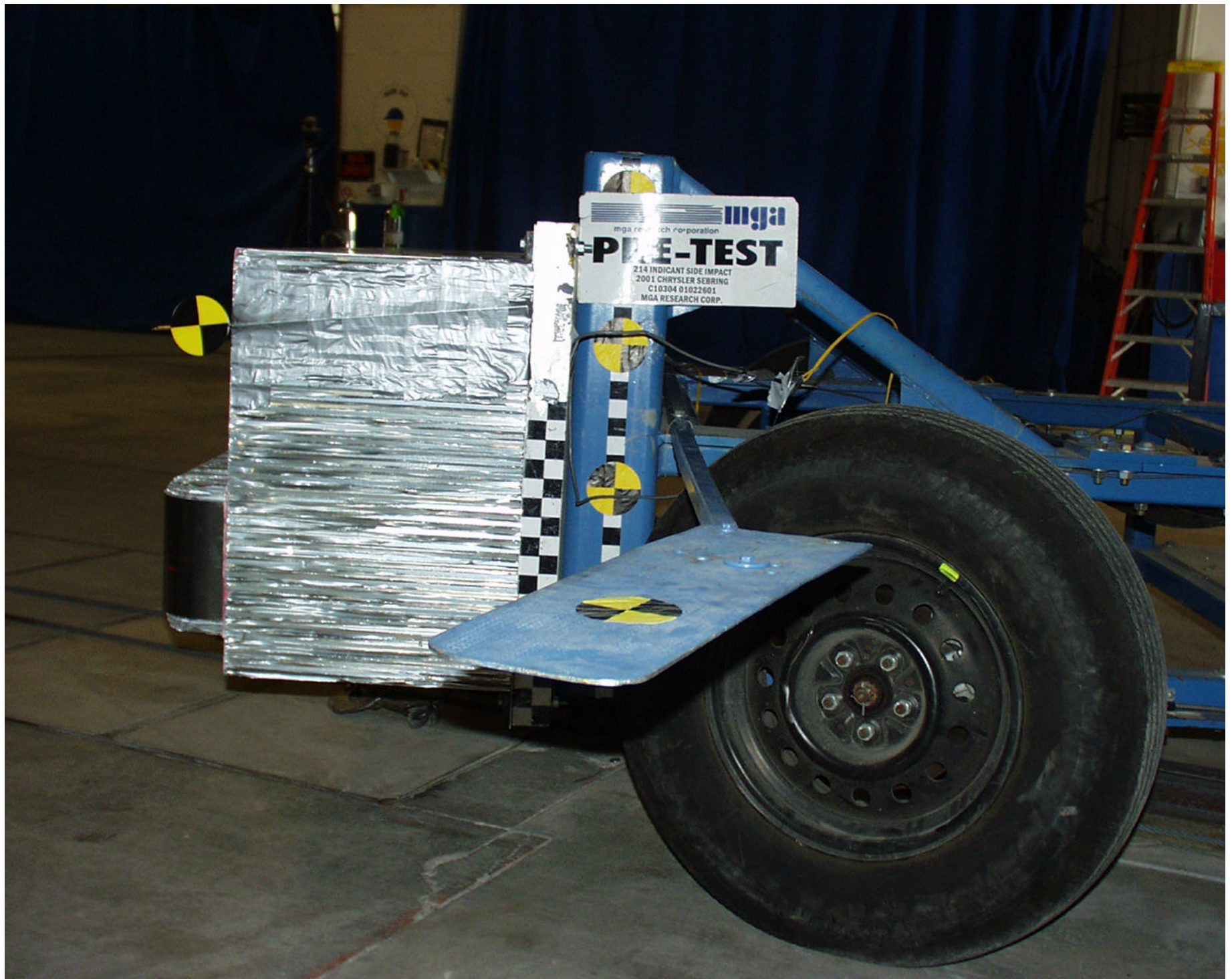


Photo No. A-19 - Pre-Test MDB Left Side View

A-20

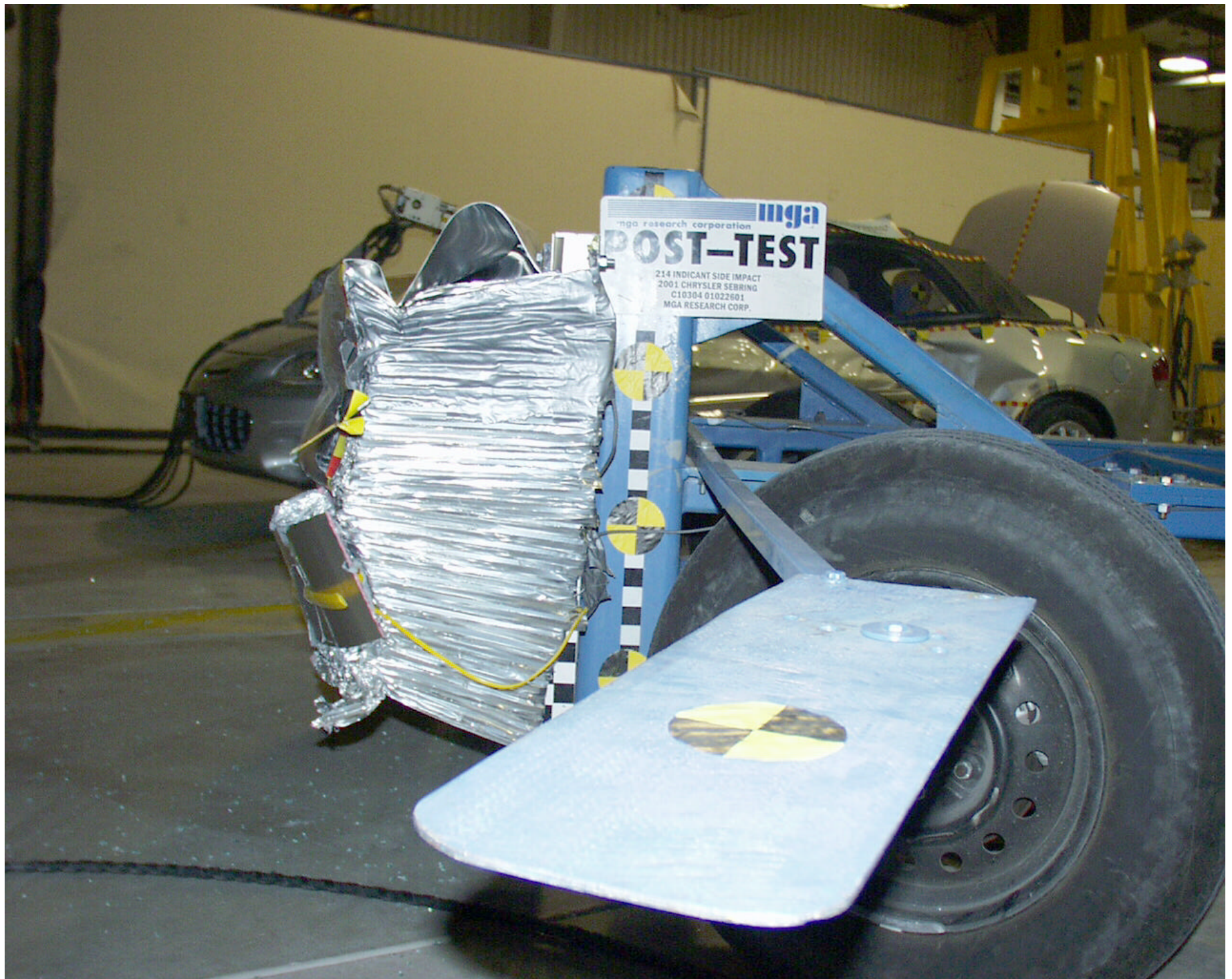


Photo No. A-20 - Post-Test MDB Left Side View

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Photo No. A-21 - Pre-Test Driver Dummy Right Side View

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Photo No. A-22 - Post-Test Driver Dummy Right Side View



Photo No. A-23 - Pre-Test Driver Dummy Left Side View



Photo No. A-24 - Post-Test Driver Dummy Left Side View

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Photo No. A-25 - Pre-Test Driver Dummy Left Side View (Door Open)



Photo No. A-26 - Pre-Test Driver Dummy Shoulder and Door Top View



Photo No. A-27 - Post-Test Driver Dummy Shoulder and Door Top View



Photo No. A-28 - Post-Test Driver Dummy Contact



Photo No. A-29 - Pre-Test Passenger Dummy Right Side View

A-30

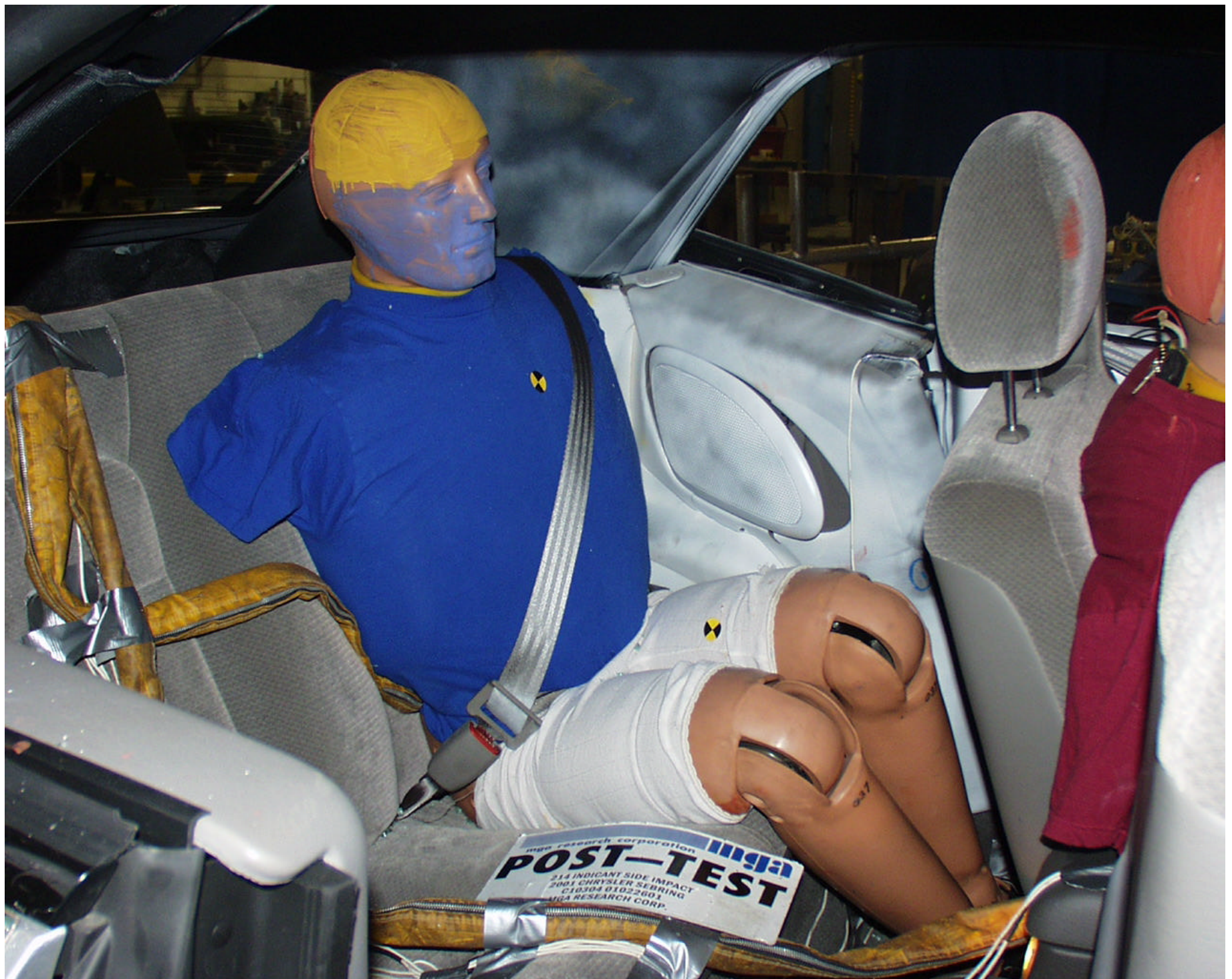


Photo No. A-30 - Post-Test Passenger Dummy Right Side View

A-31



Photo No. A-31 - Pre-Test Passenger Dummy Left Side View

A-32



Photo No. A-32 - Post-Test Passenger Dummy Left Side View



Photo No. A-33 - Pre-Test Passenger Dummy Shoulder and Door Top View



Photo No. A-34 - Post-Test Passenger Dummy Shoulder and Door Top View

A-35



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



Photo No. A-36 - Post-Test Passenger Dummy Head Contact



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



Photo No. A-38 - Post-Test Left Front Impact Point on Vehicle



Photo No. A-39 - Impact

MFD BY DAIMLERCHRYSLER CORPORATION

DATE OF MFR: 1-01

GVWR 1957 KG
84313 LB

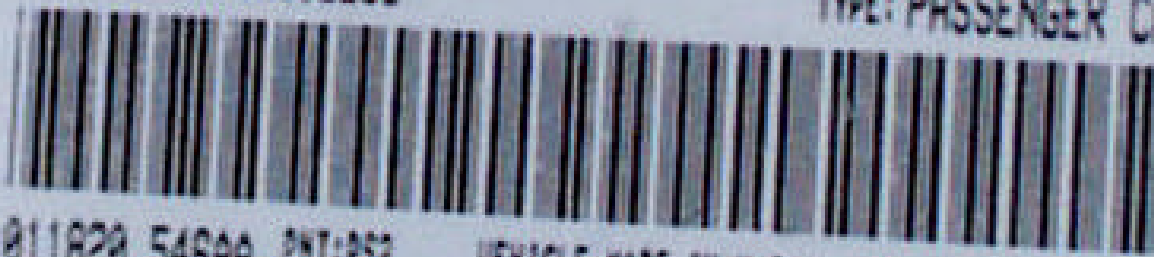
GVWR 1104 KG
FRONT 2432 LB

GVWR 8888 KG
REAR 1956 LB

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

VIN: 1C3EL45U81N502265

TYPE: PASSENGER CAR



MDH: 011820 548AA PNT:PS2

VEHICLE MADE IN U.S.A. TRM:N7L5

4648102

A-40

Photo No. A-40 - Vehicle Certification Label

		VEHICLE CAPACITY OR LESS
1ST SEAT		2 PASS.
2ND SEAT		2 PASS.
LUGGAGE		115 LBS-52 kg
TOTAL		4 PASS.
TOTAL WEIGHT		715 LBS-324 kg
TIRE PRESSURE (COLD)		30 PSI 210 kPa
RECOMMENDED TIRE SIZES		
P205/65R15 92T		
P205/60R16 91T		
STANDARD LOAD		
SEE OWNER'S MANUAL FOR ADDITIONAL DATA		
PRINTED IN USA 04782727AA		

Photo No. A-41 - Tire Placard

A-42



Photo No. A-42 - Rollover 90°

A-43



Photo No. A-43 - Rollover 180°

A-44

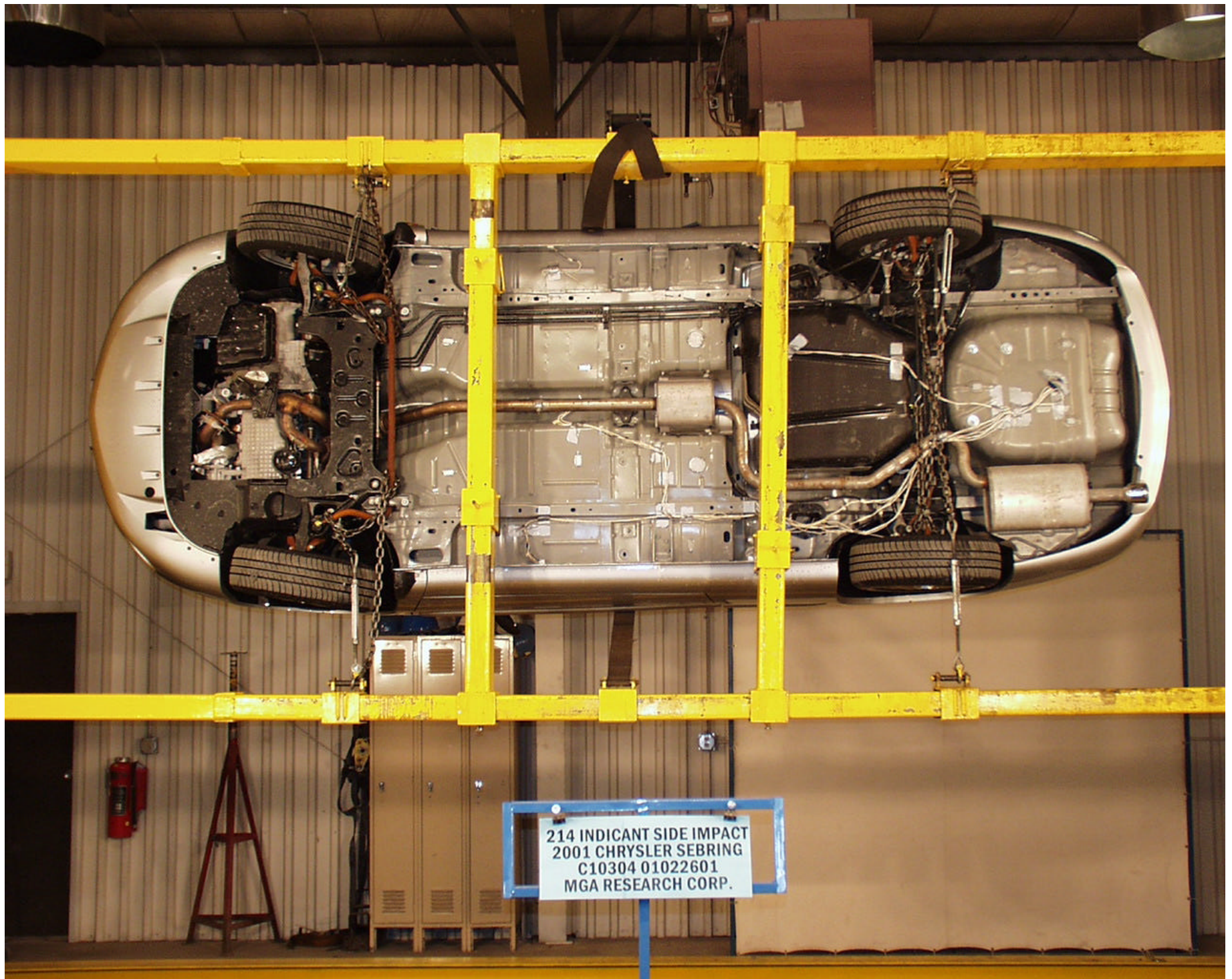


Photo No. A-44 - Rollover 270°

A-45



Photo No. A-45 - Rollover 360°

A-46



Photo No. A-46 - Right Front Attitude Point



Photo No. A-47 - Left Rear Attitude Point

A-48



Photo No. A-48 - Right Rear Attitude Point

APPENDIX B

SID, VEHICLE, AND MDB RESPONSE DATA

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* No data collected after 32 msec.

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DRIVER HEAD X ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

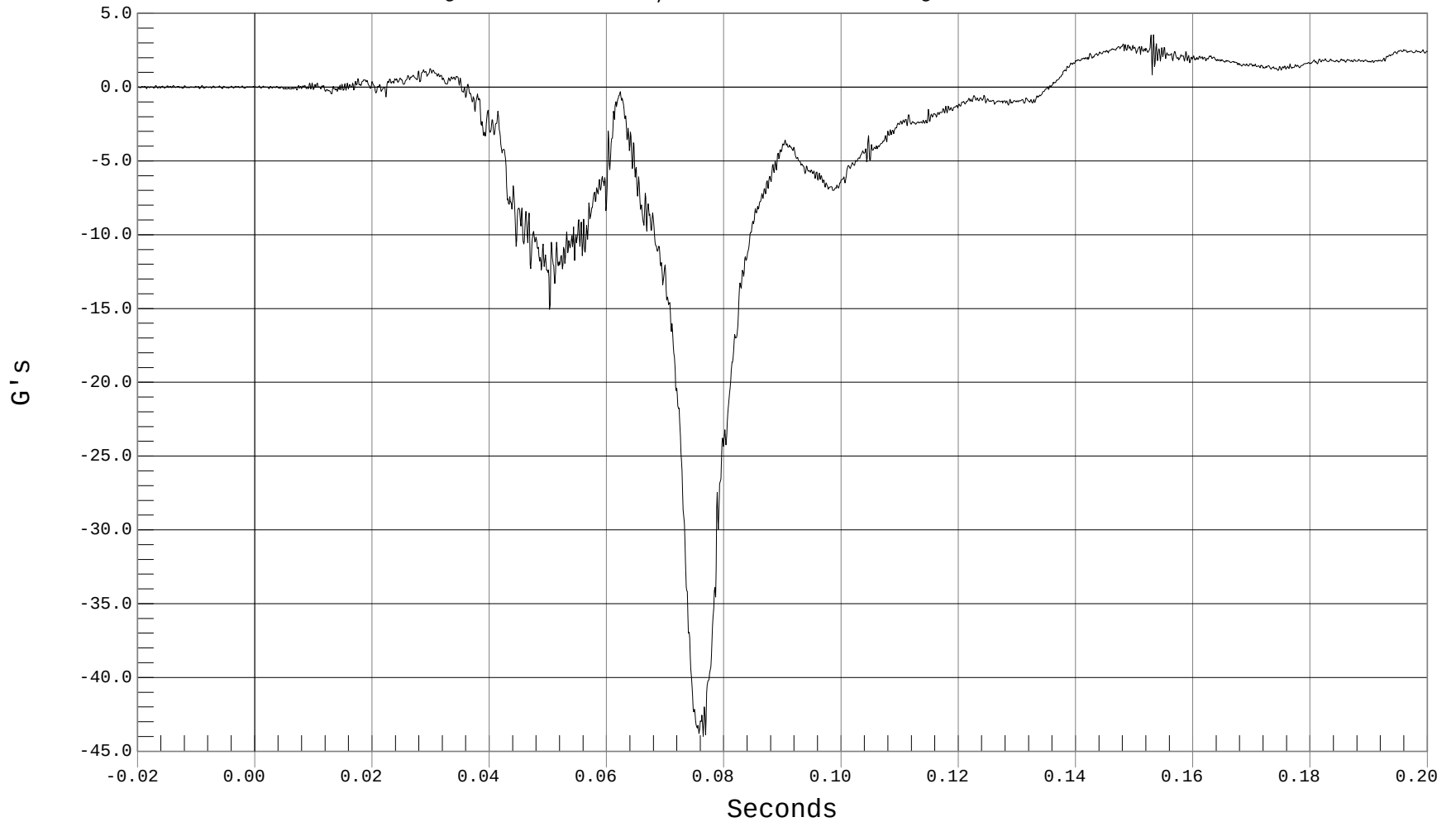
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 DRIVER HEAD X, B01022AT.A01

Ymin = -43.99 G's @ 0.0764 Seconds, Ymax = 3.56 G's @ 0.1532 Seconds





DRIVER HEAD X VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

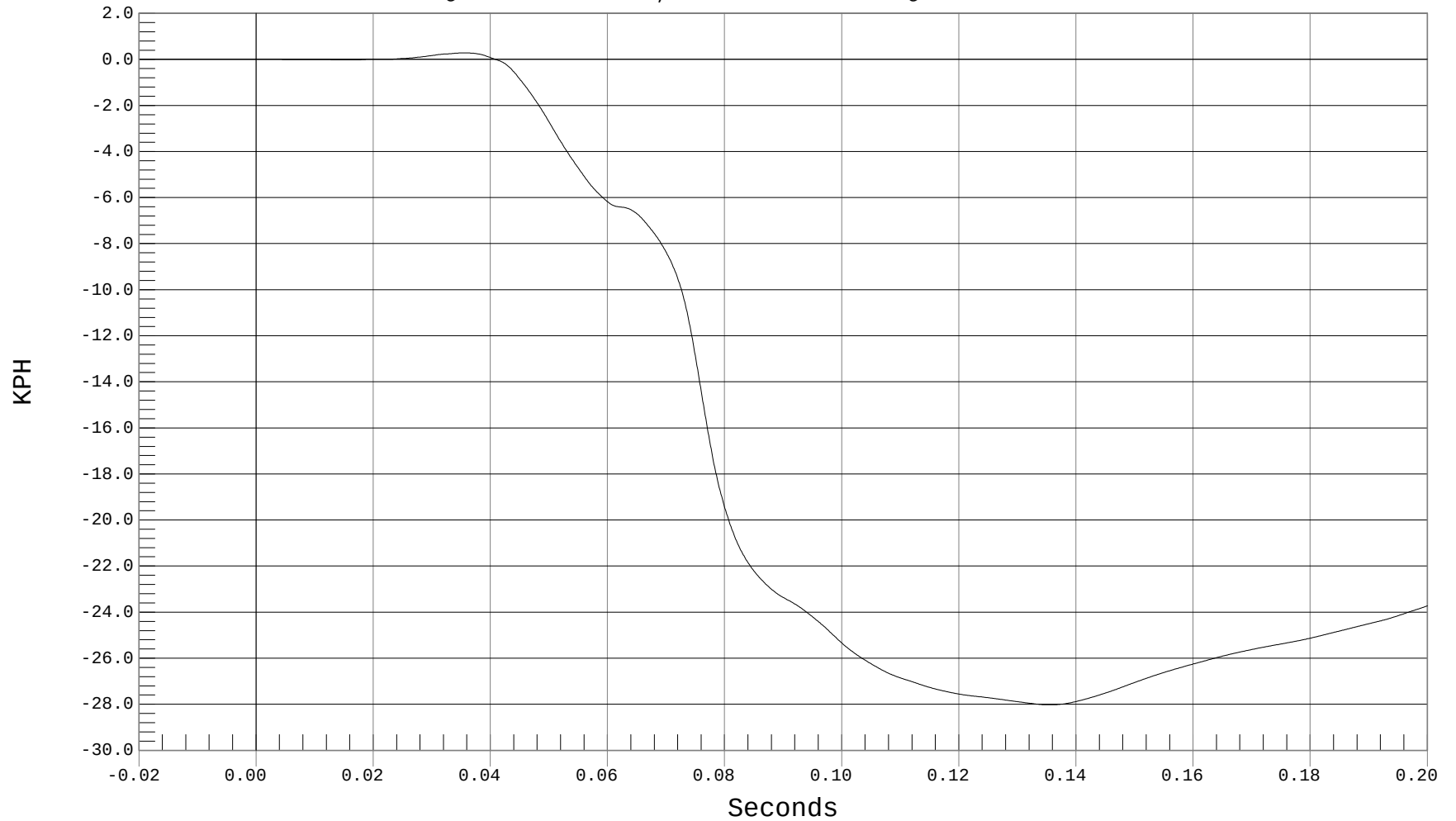
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER HEAD X VELOCITY, B01022AI.V01

Ymin = -28.02 KPH @ 0.1354 Seconds, Ymax = .28 KPH @ 0.0353 Seconds





DRIVER HEAD Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

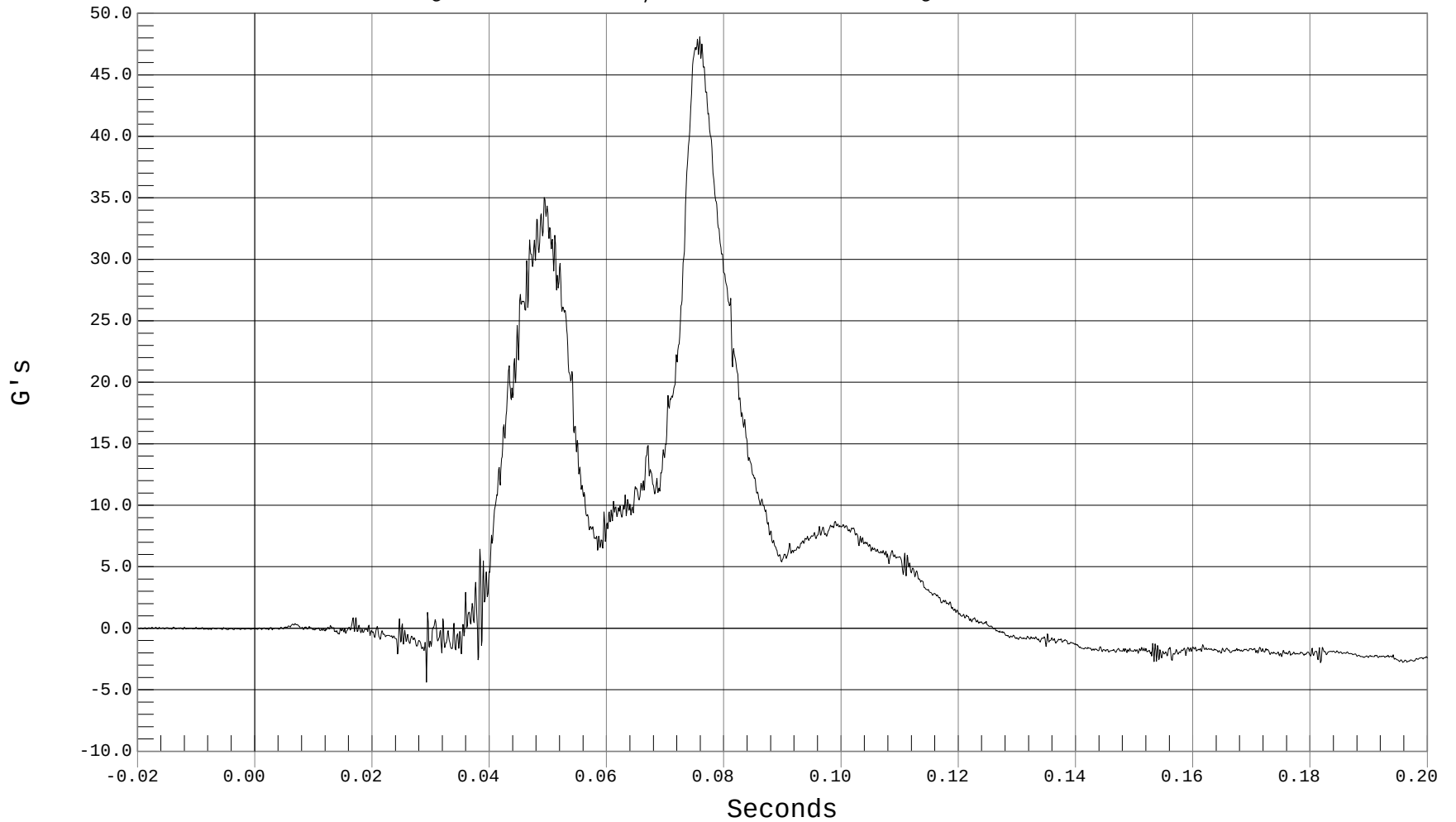
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 DRIVER HEAD Y, B01022AT.A02

Ymin = -4.39 G's @ 0.0292 Seconds, Ymax = 48.08 G's @ 0.0758 Seconds





DRIVER HEAD Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

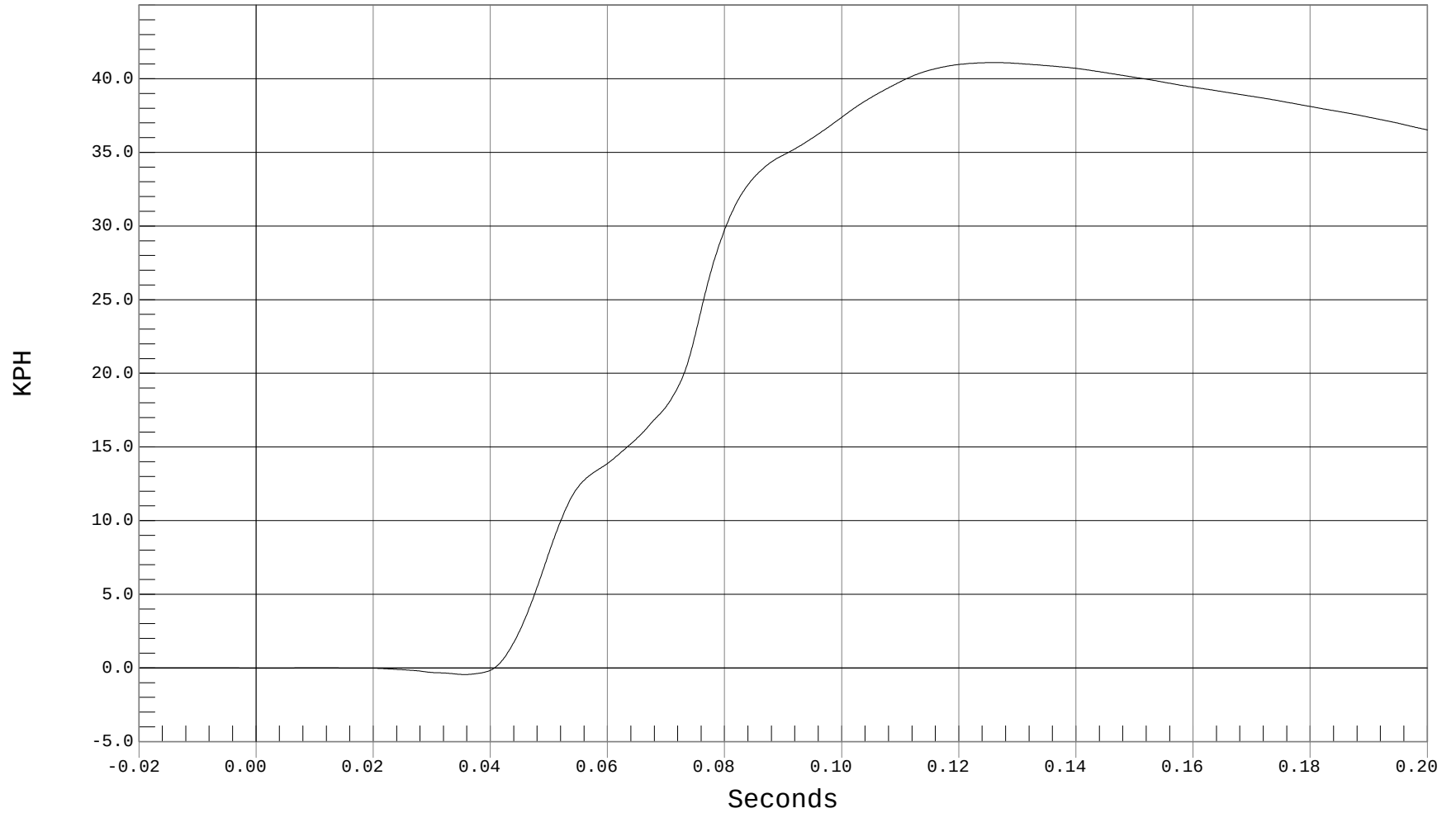
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER HEAD Y VELOCITY, B01022AI.V02

Ymin = -.46 KPH @ 0.0355 Seconds, Ymax = 41.1 KPH @ 0.1259 Seconds





DRIVER HEAD Z ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

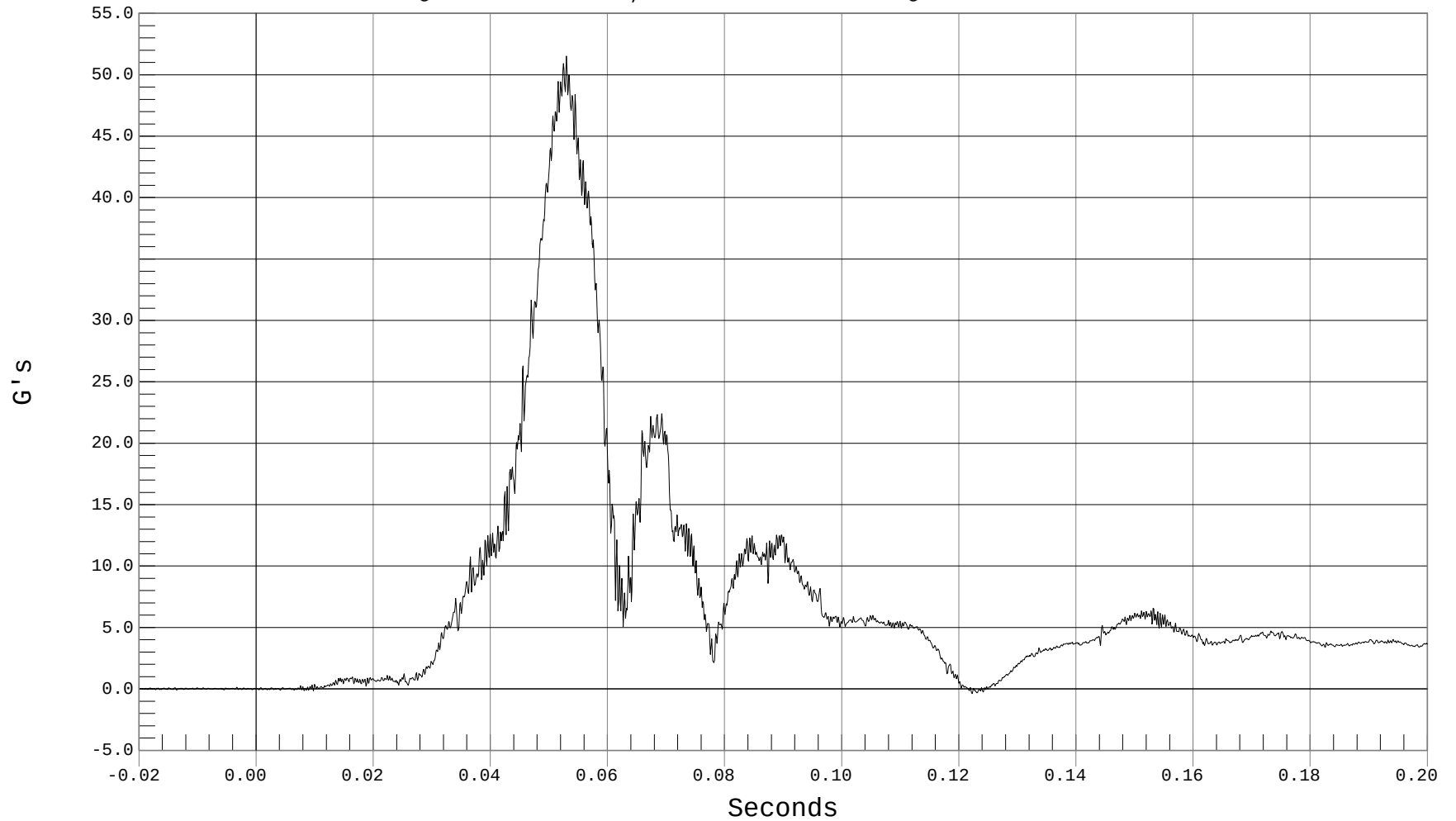
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 DRIVER HEAD Z, B01022AT.A03

Ymin = -.39 G's @ 0.1222 Seconds, Ymax = 51.52 G's @ 0.0529 Seconds





DRIVER HEAD Z VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

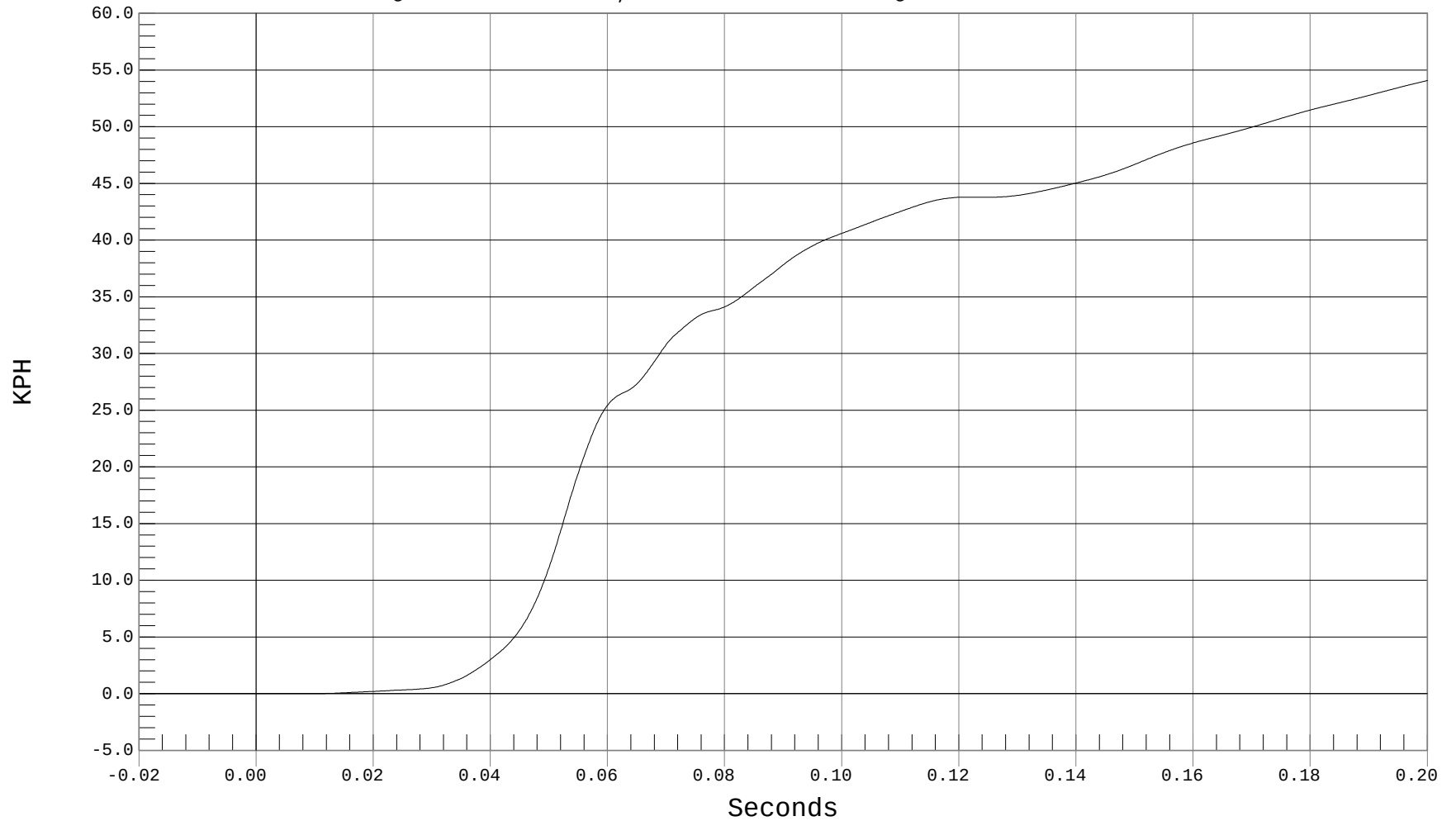
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER HEAD Z VELOCITY, B01022AI.V03

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 54.08 KPH @ 0.2000 Seconds





DRIVER HEAD RESULTANT ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

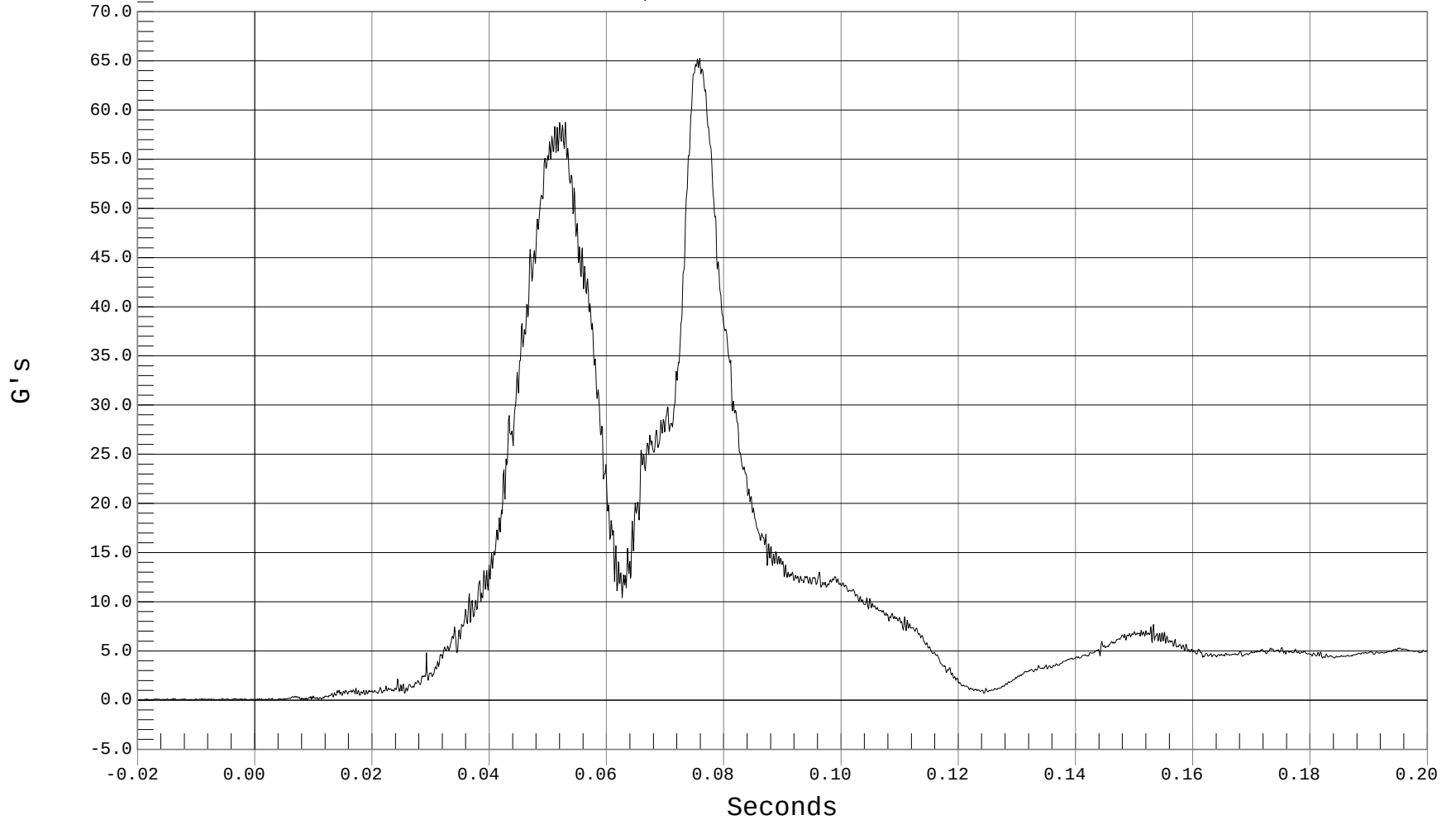
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 DRIVER HEAD RESULTANT, B01022AV.A01

Ymin = .01 G's @ -0.0024 Seconds, Ymax = 65.26 G's @ 0.0758 Seconds





DRIVER UPPER RIB Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

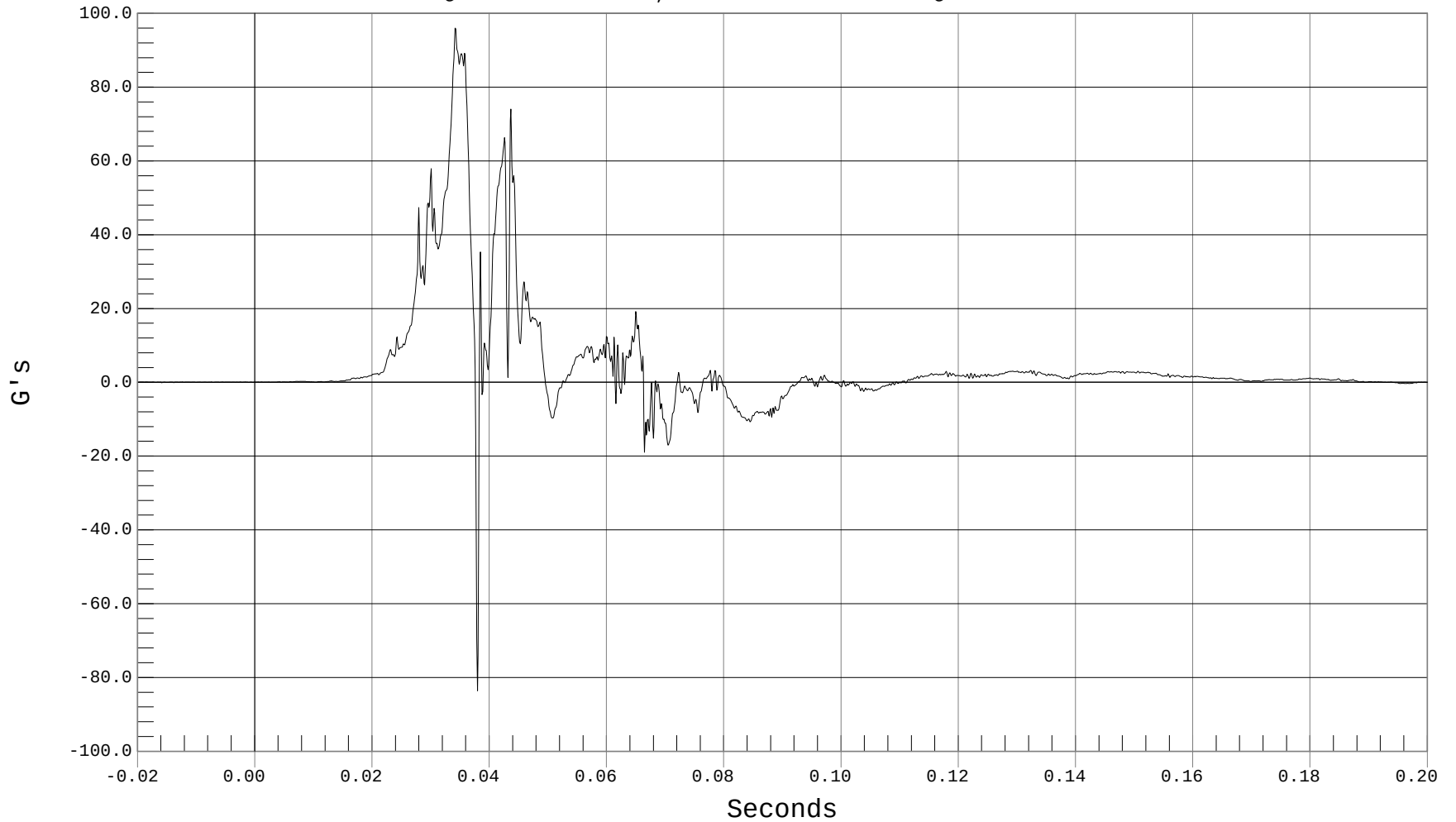
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 1000

— 1 DRIVER UPPER RIB Y, B01022AT.A04

Ymin = -83.59 G's @ 0.0379 Seconds, Ymax = 95.99 G's @ 0.0341 Seconds





DRIVER UPPER RIB Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

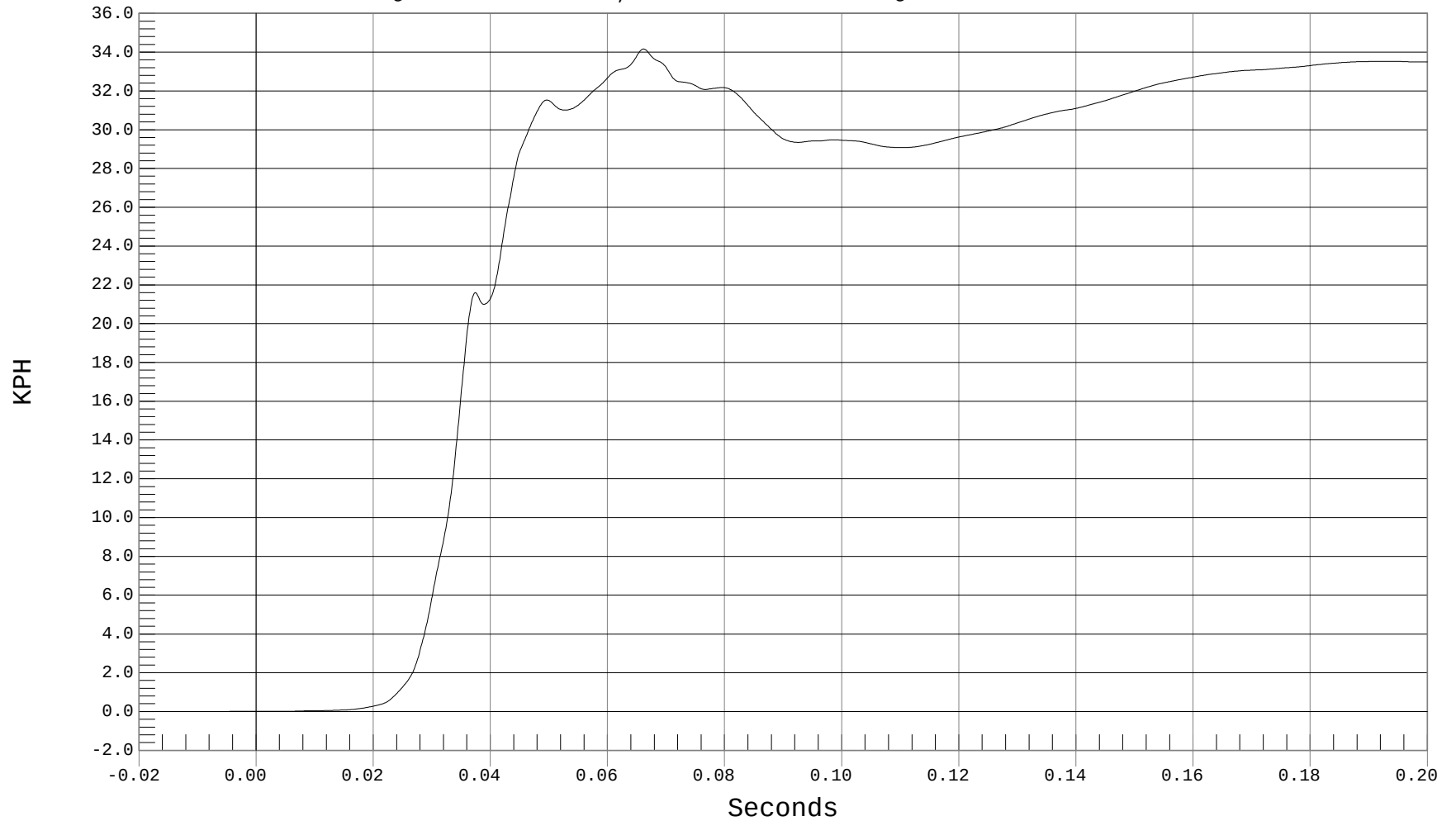
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER UPPER RIB Y VELOCITY, B01022AI.V04

Ymin = 0 KPH @ -0.0140 Seconds, Ymax = 34.16 KPH @ 0.0661 Seconds





DRIVER LOWER RIB Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

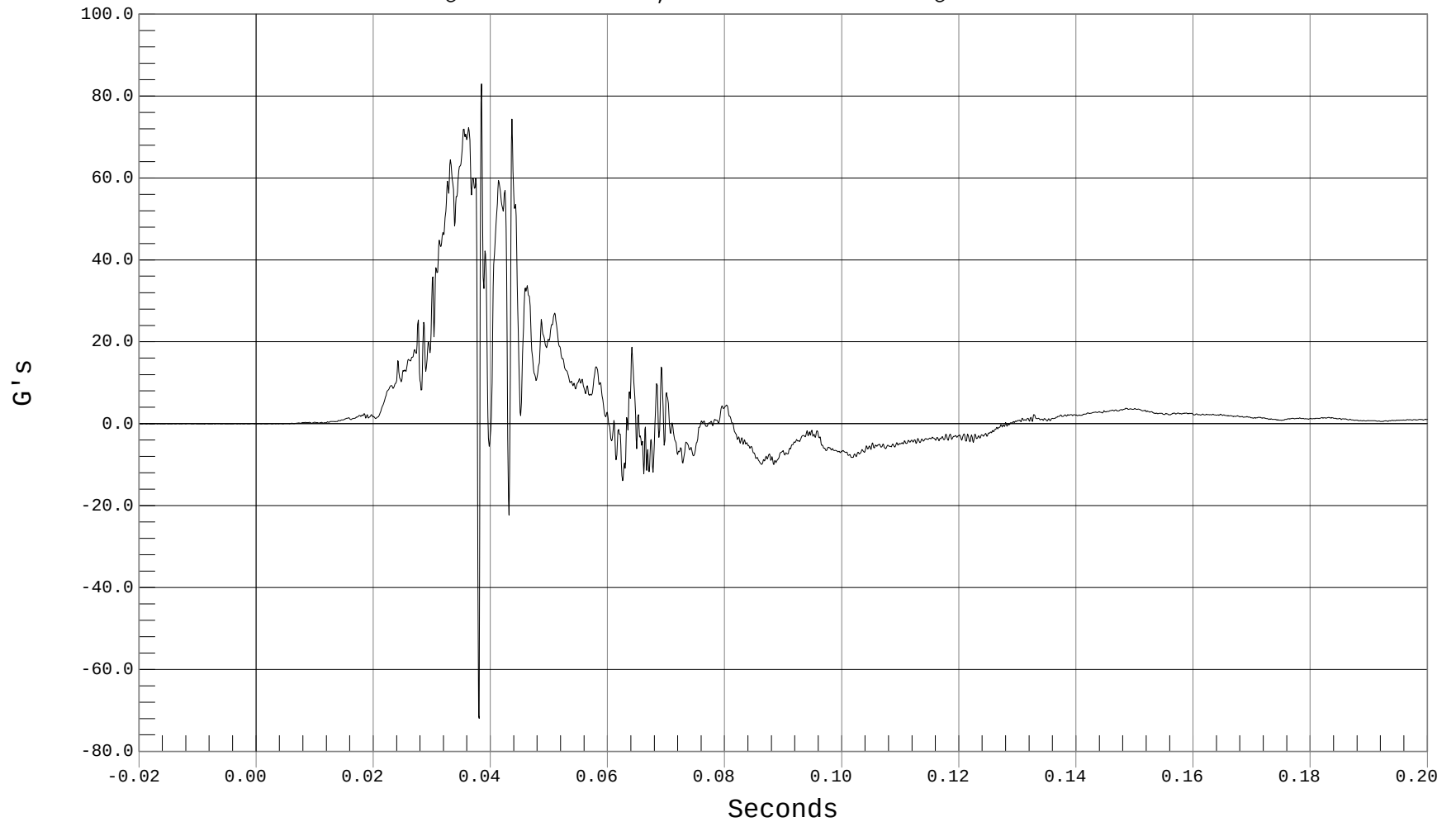
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 DRIVER LOWER RIB Y, B01022AT.A05

Ymin = -71.92 G's @ 0.0380 Seconds, Ymax = 82.96 G's @ 0.0384 Seconds





DRIVER LOWER RIB Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

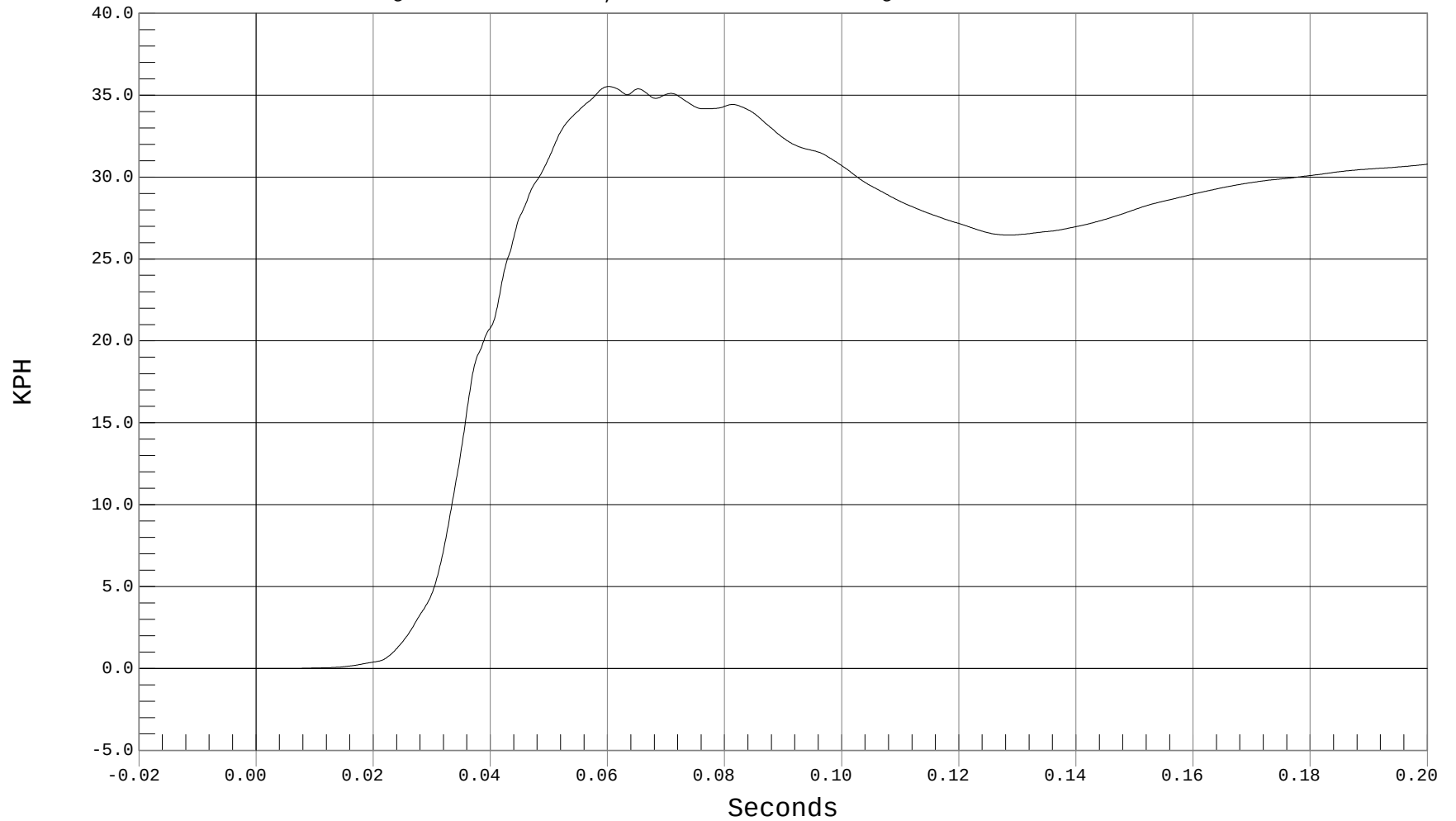
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 DRIVER LOWER RIB Y VELOCITY, B01022AI.V05

Ymin = 0 KPH @ 0.0020 Seconds, Ymax = 35.53 KPH @ 0.0601 Seconds





DRIVER LOWER SPINE Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

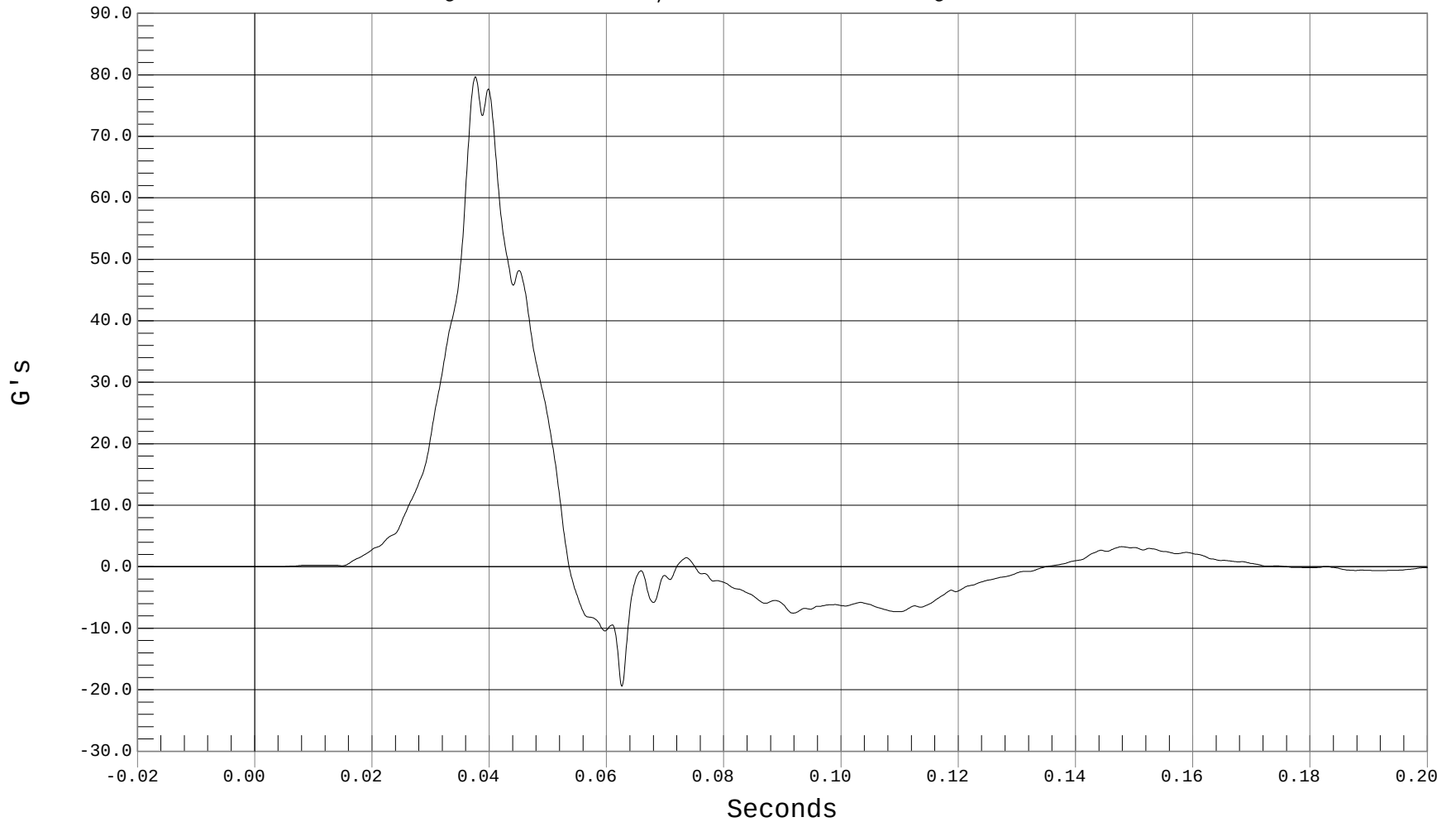
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER LOWER SPINE Y, B01022AF.A06

Ymin = -19.41 G's @ 0.0625 Seconds, Ymax = 79.69 G's @ 0.0375 Seconds





DRIVER LOWER SPINE Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

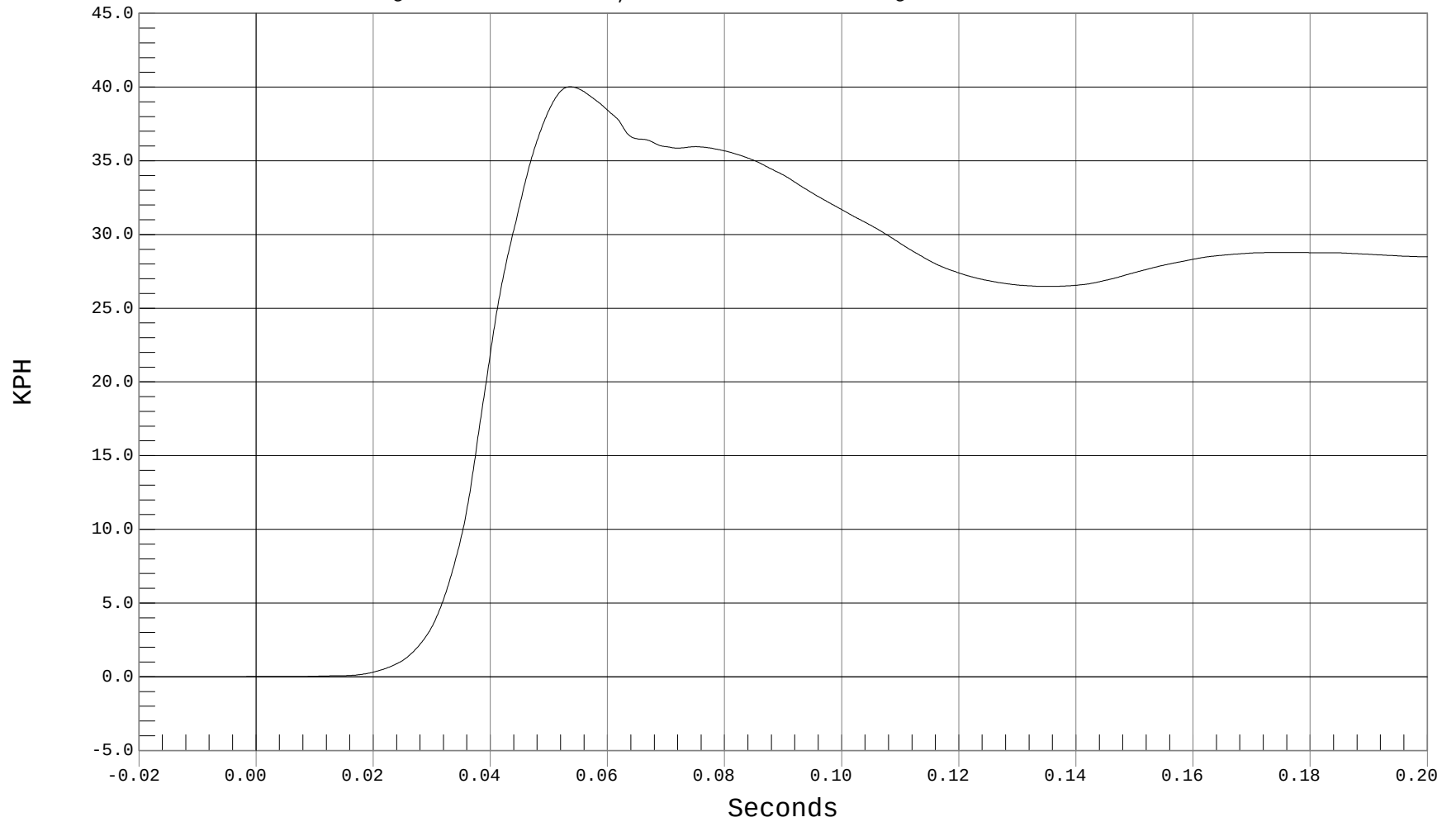
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER LOWER SPINE Y VELOCITY, B01022AI.V06

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 40.02 KPH @ 0.0535 Seconds





DRIVER PELVIS Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

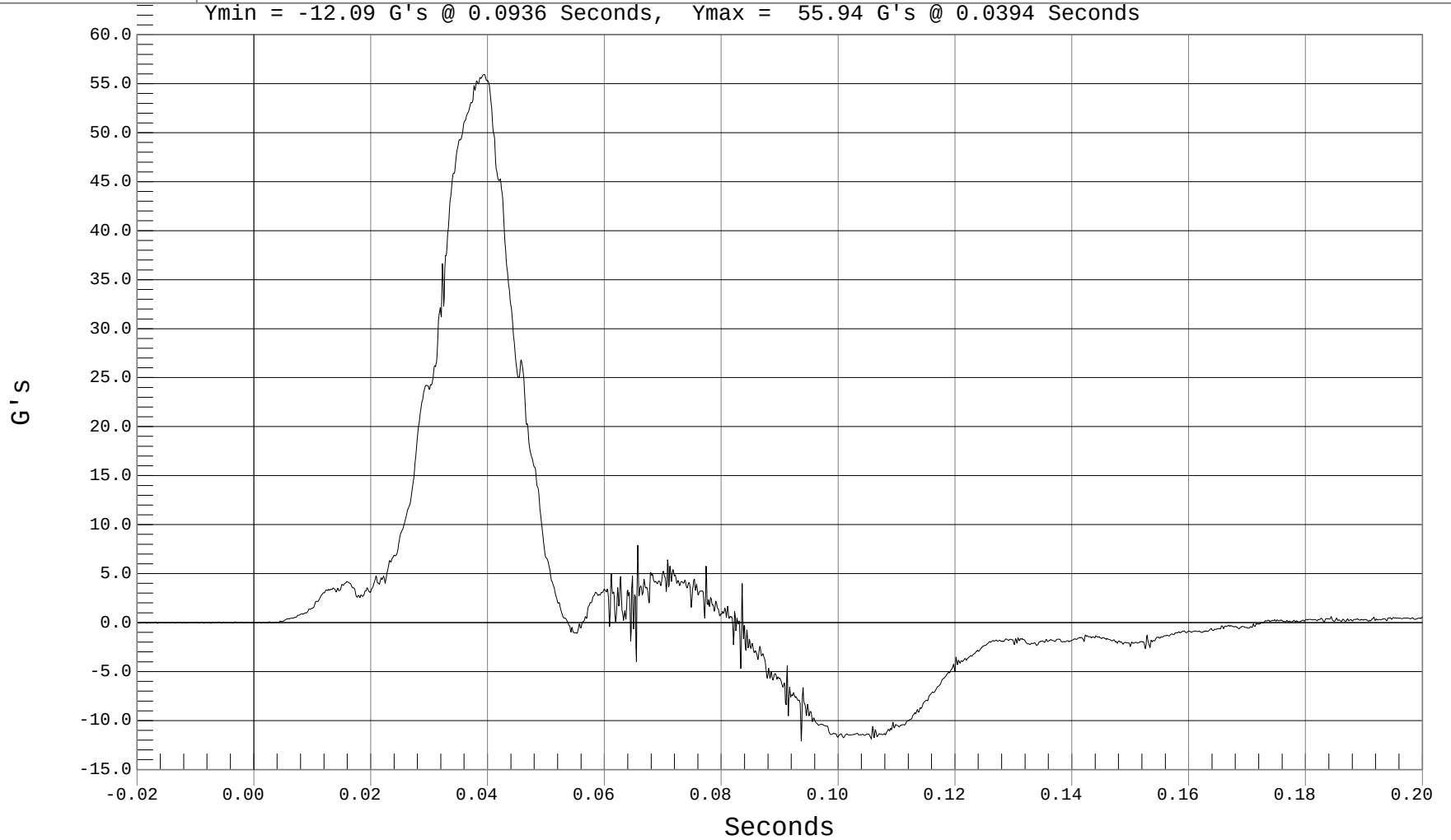
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 DRIVER PELVIS Y, B01022AT.A07

Ymin = -12.09 G's @ 0.0936 Seconds, Ymax = 55.94 G's @ 0.0394 Seconds





DRIVER PELVIS Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

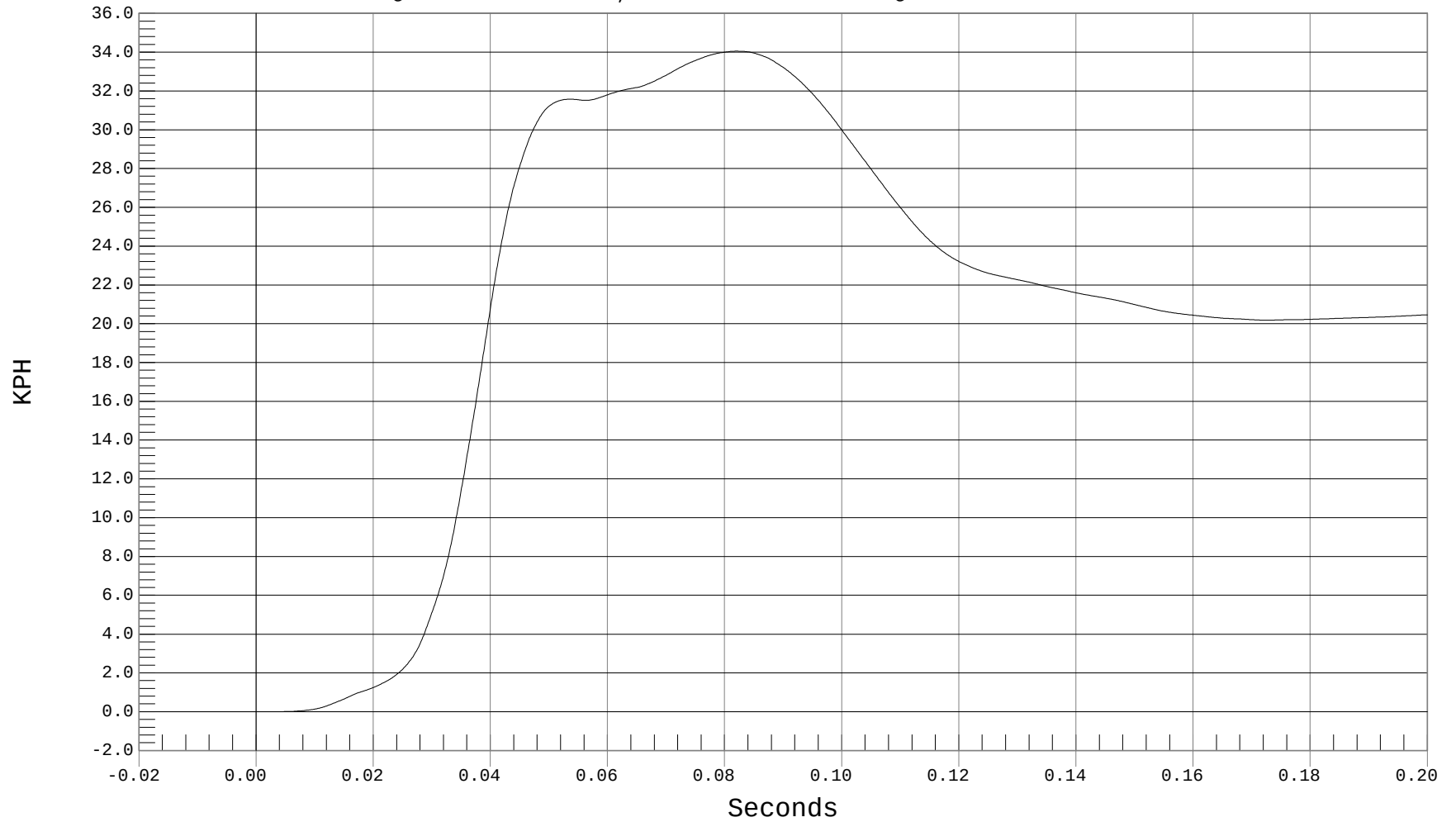
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER PELVIS Y VELOCITY, B01022AI.V07

Ymin = 0 KPH @ -0.0115 Seconds, Ymax = 34.05 KPH @ 0.0820 Seconds





REAR PASSENGER HEAD X ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

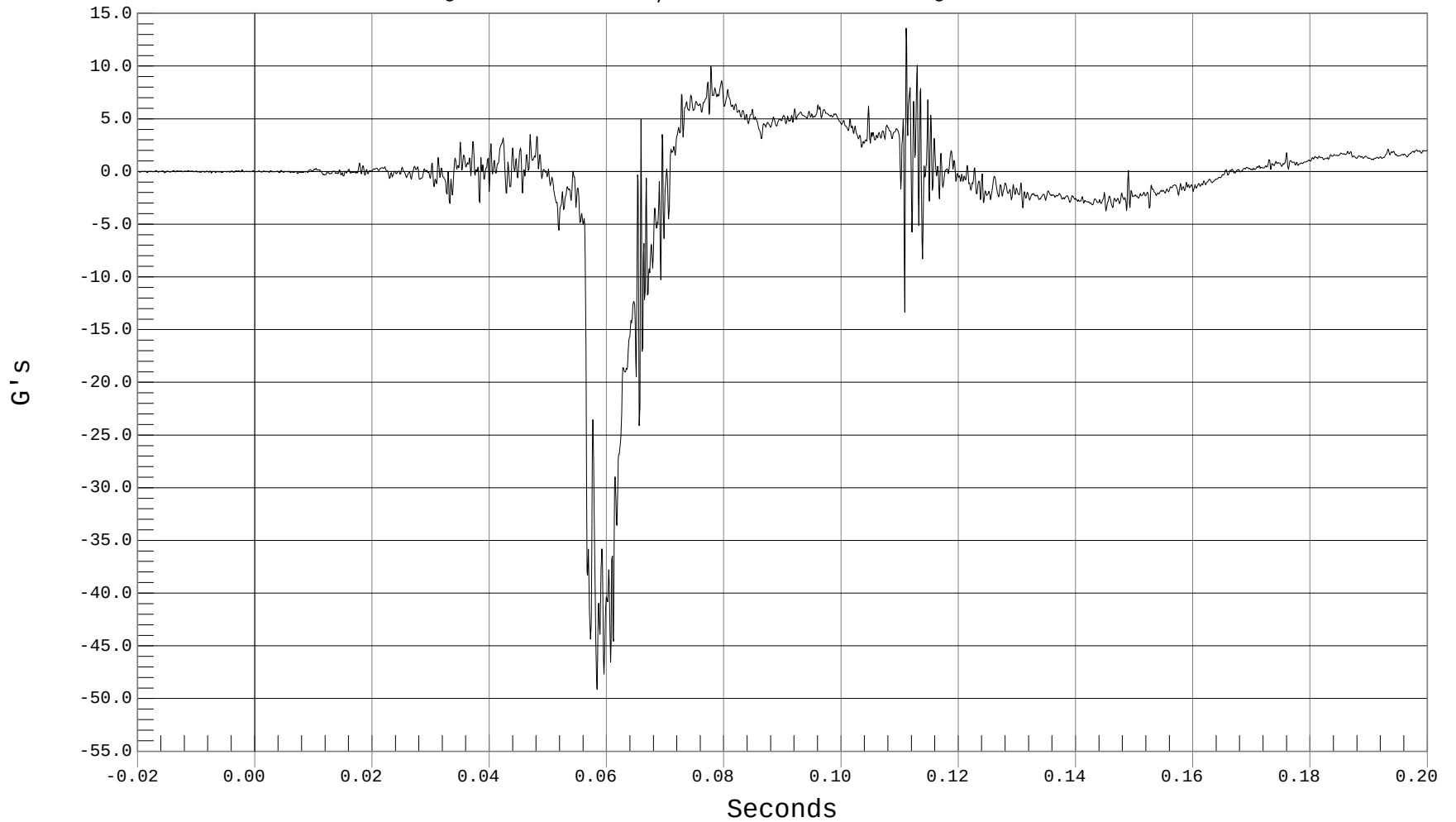
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 PASSENGER HEAD X, B01022AT.A08

Ymin = -49.13 G's @ 0.0583 Seconds, Ymax = 13.61 G's @ 0.1110 Seconds





REAR PASSENGER HEAD X VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

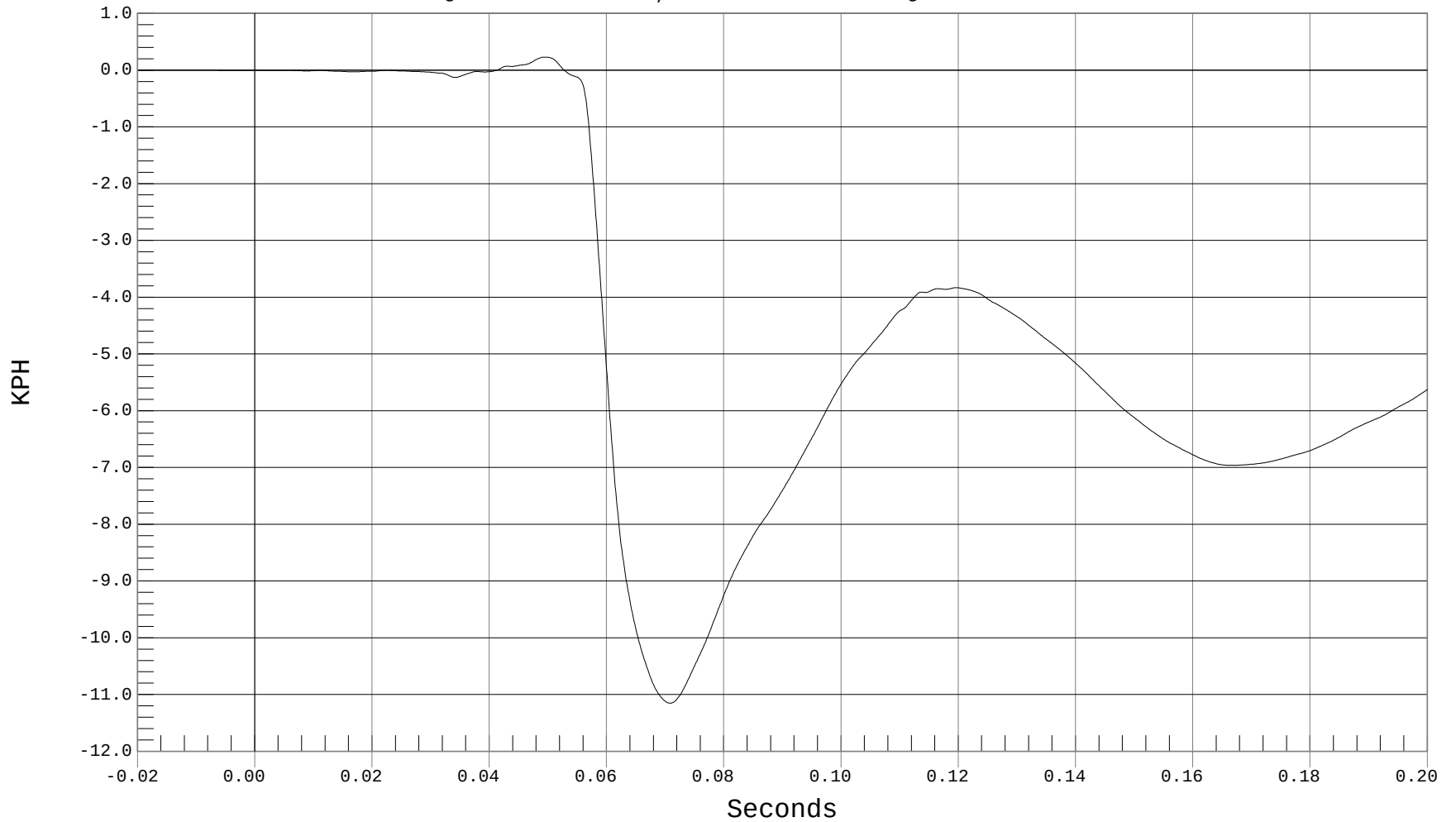
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 REAR PASSENGER HEAD X VELOCITY, B01022AI.V08

Ymin = -11.16 KPH @ 0.0708 Seconds, Ymax = .23 KPH @ 0.0495 Seconds





REAR PASSENGER HEAD Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

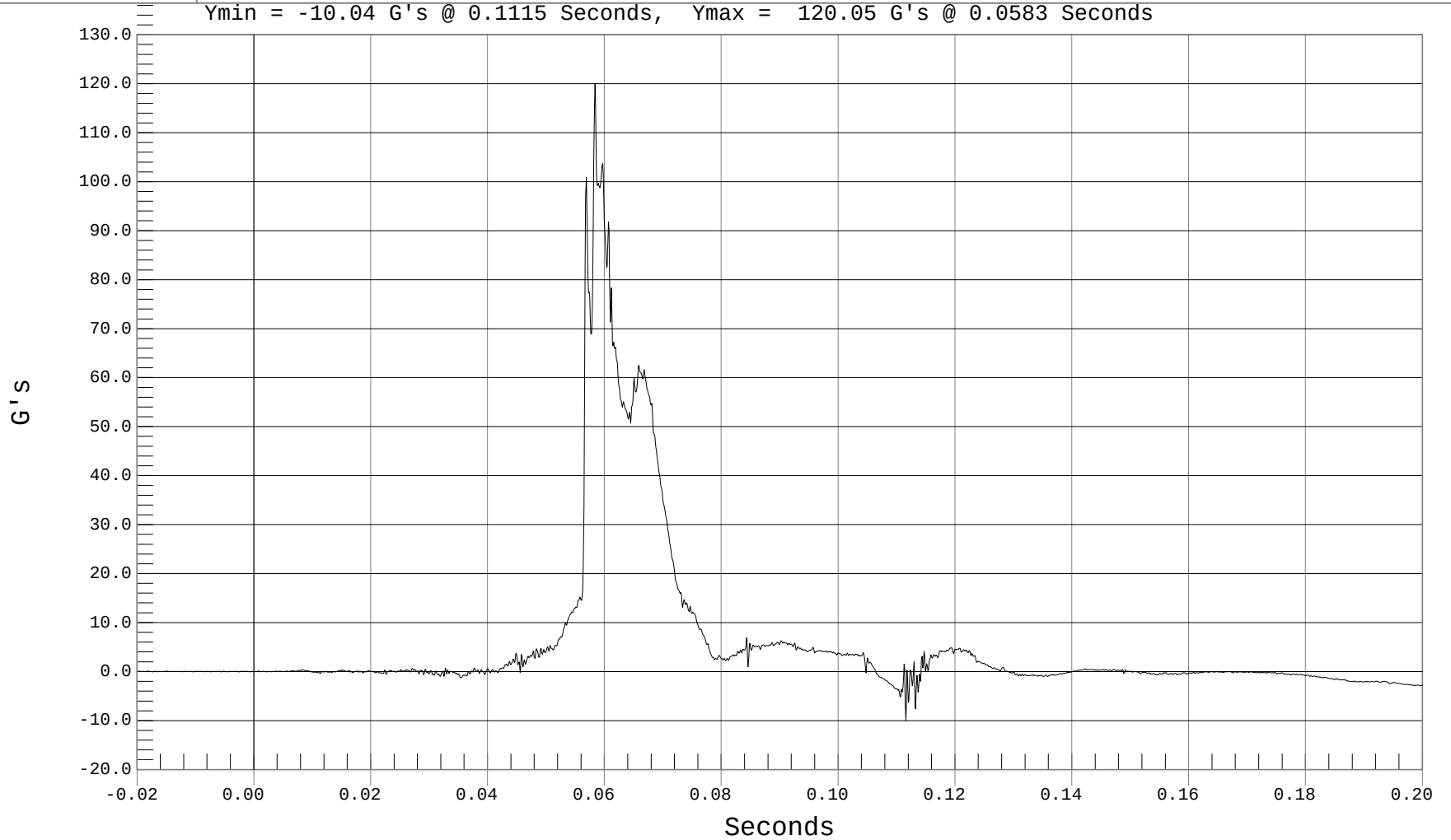
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 PASSENGER HEAD Y, B01022AT.A09

Ymin = -10.04 G's @ 0.1115 Seconds, Ymax = 120.05 G's @ 0.0583 Seconds





REAR PASSENGER HEAD Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

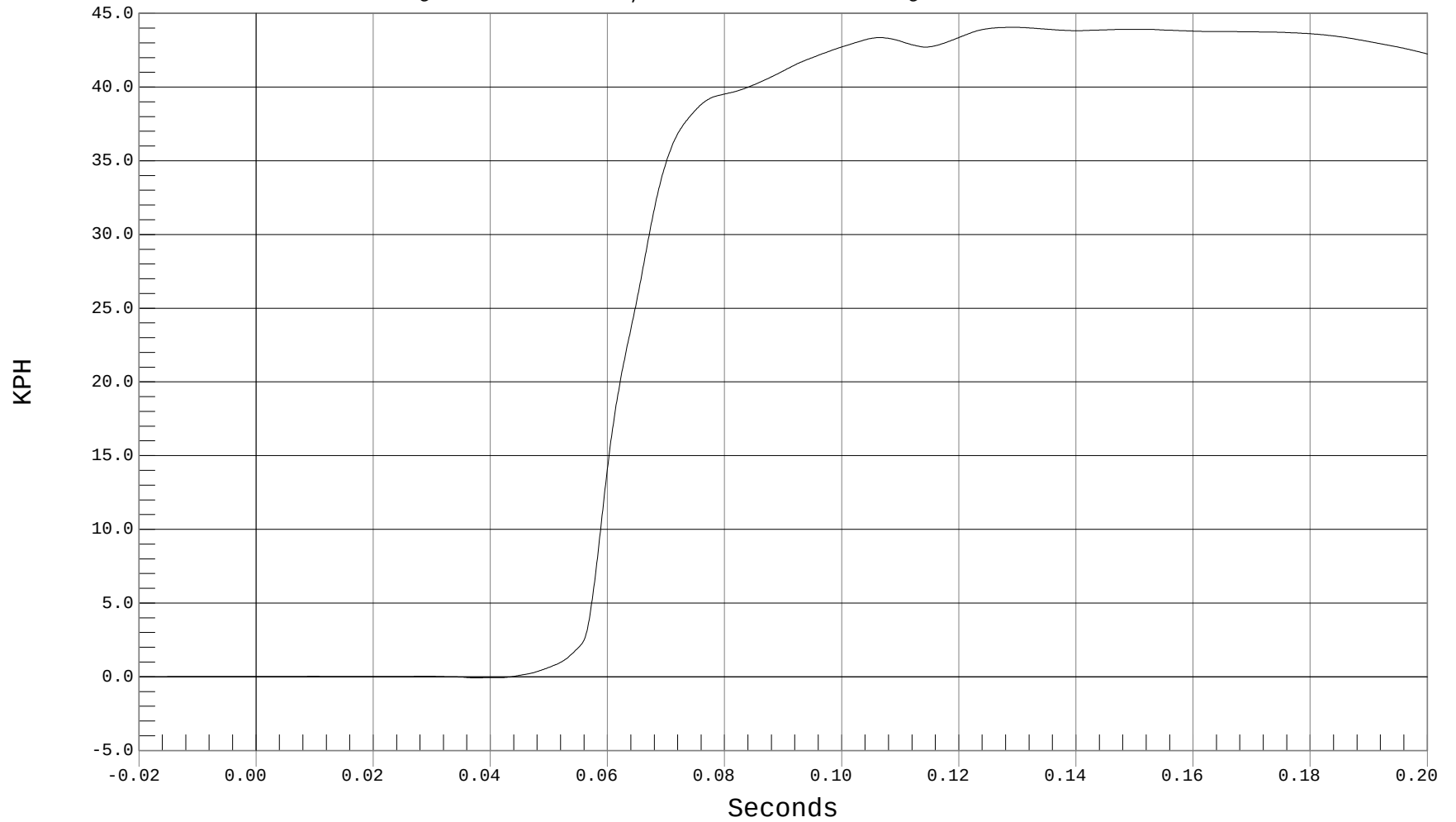
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 REAR PASSENGER HEAD Y VELOCITY, B01022AI.V09

Ymin = -.07 KPH @ 0.0372 Seconds, Ymax = 44.06 KPH @ 0.1291 Seconds





REAR PASSENGER HEAD Z ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

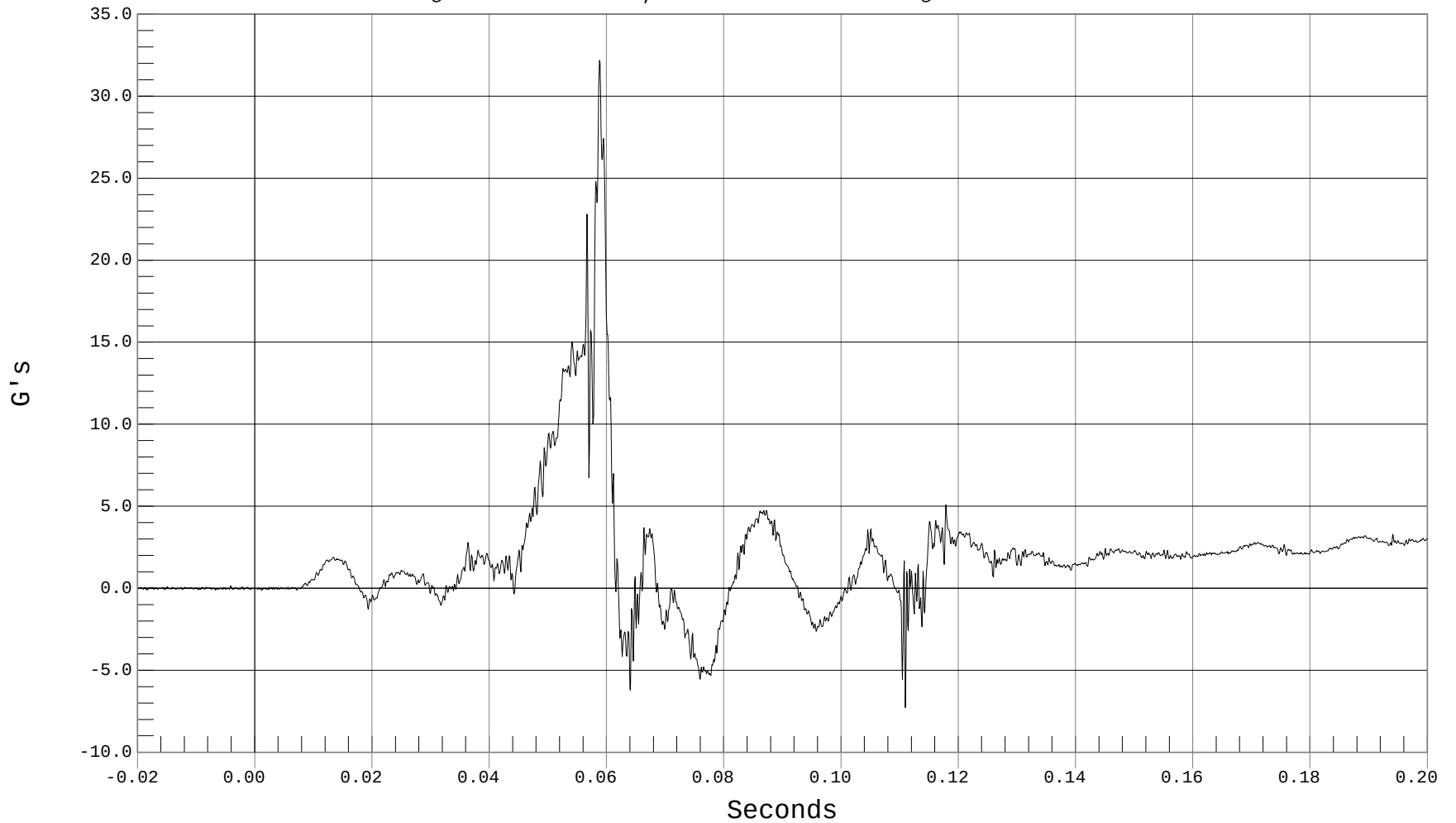
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 PASSENGER HEAD Z, B01022AT.A10

Ymin = -7.27 G's @ 0.1109 Seconds, Ymax = 32.18 G's @ 0.0587 Seconds





REAR PASSENGER HEAD Z VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

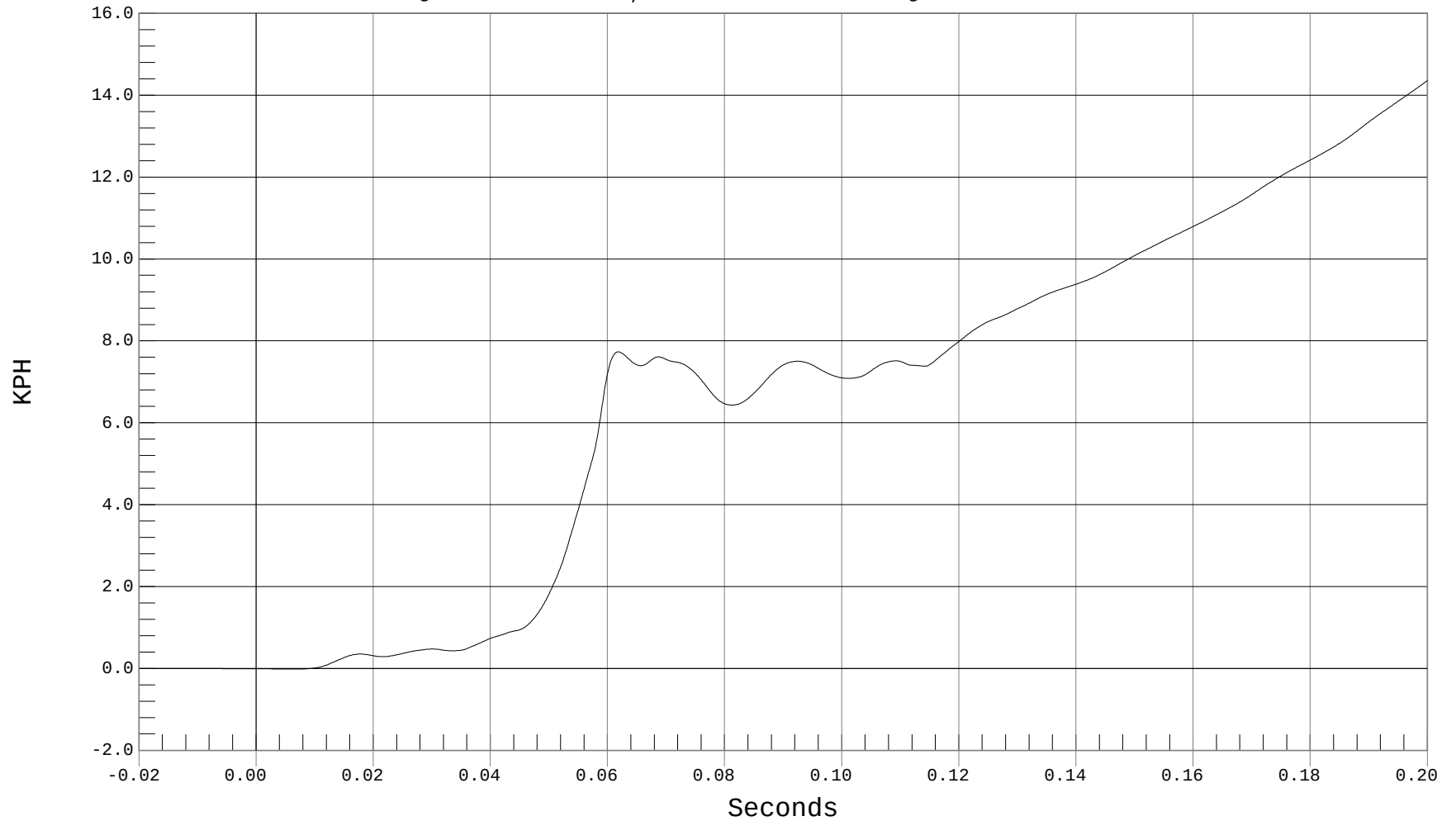
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 REAR PASSENGER HEAD Z VELOCITY, B01022AI.V10

Ymin = -.01 KPH @ 0.0074 Seconds, Ymax = 14.36 KPH @ 0.2000 Seconds





REAR PASSENGER HEAD RESULTANT ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

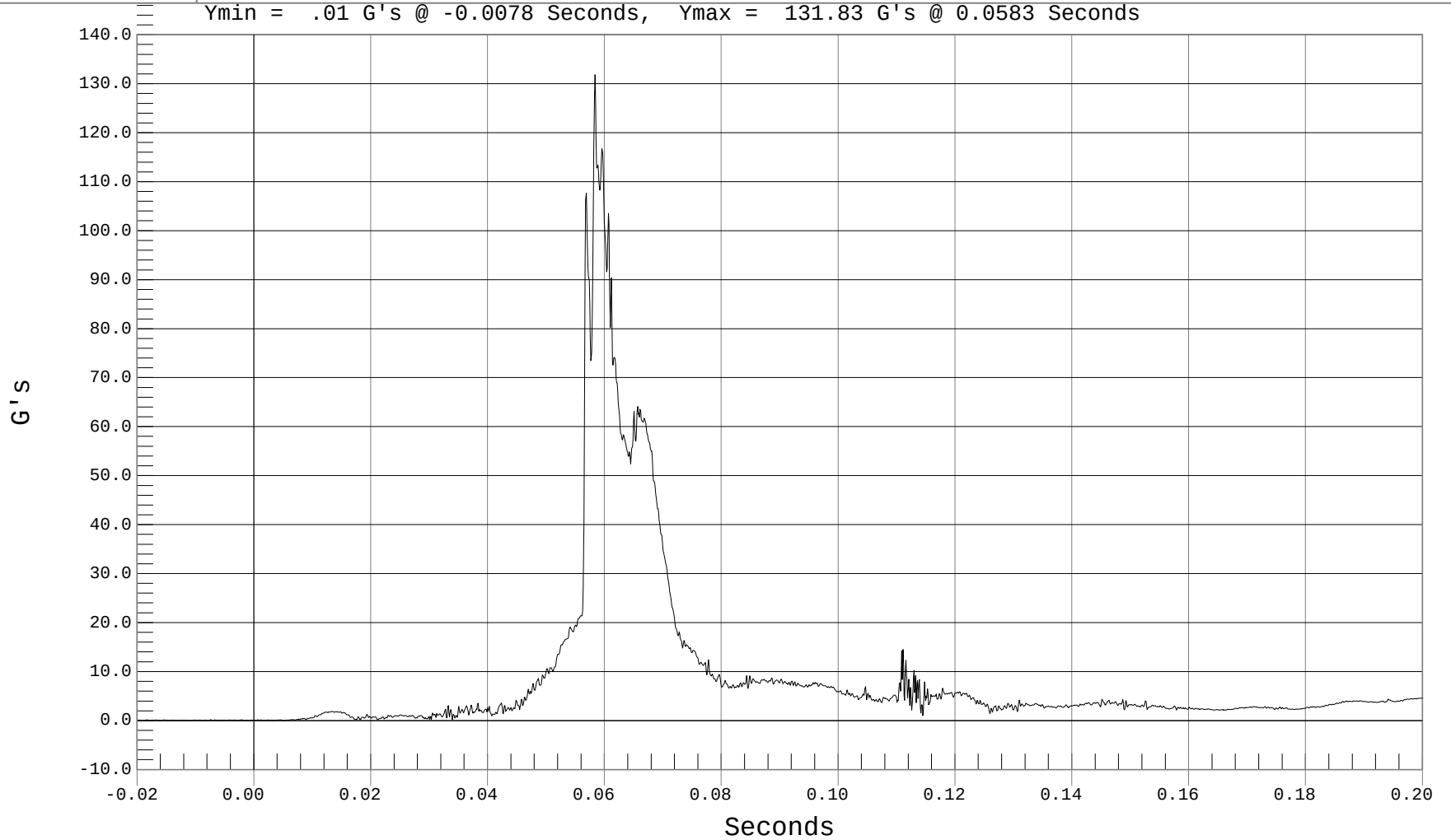
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 1000

— 1 REAR PASSENGER HEAD RESULTANT, B01022AV.A08

Ymin = .01 G's @ -0.0078 Seconds, Ymax = 131.83 G's @ 0.0583 Seconds





REAR PASSENGER UPPER RIB Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

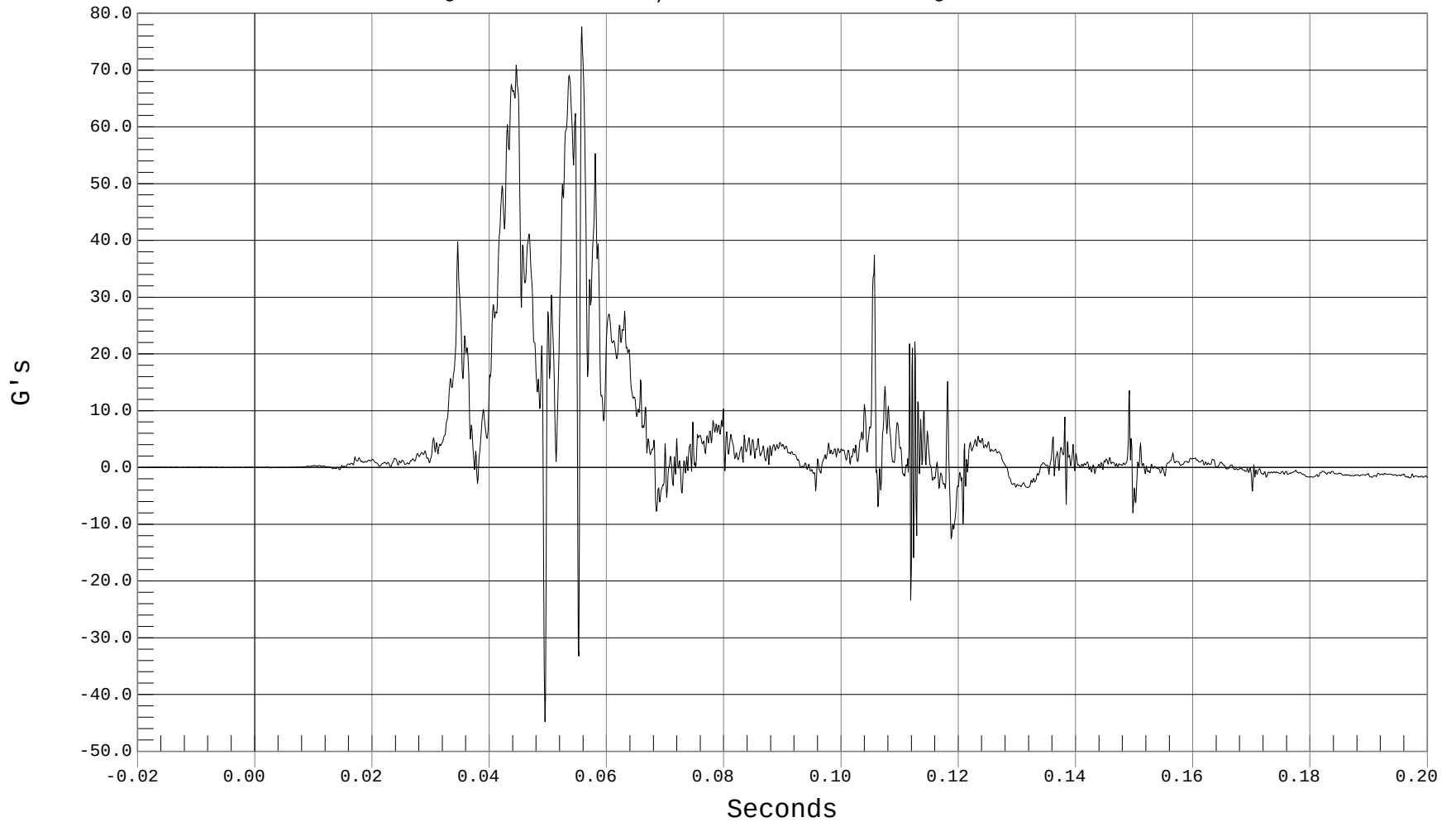
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 PASSENGER UPPER RIB Y, B01022AT.A11

Ymin = -44.79 G's @ 0.0494 Seconds, Ymax = 77.63 G's @ 0.0557 Seconds





REAR PASSENGER UPPER RIB Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

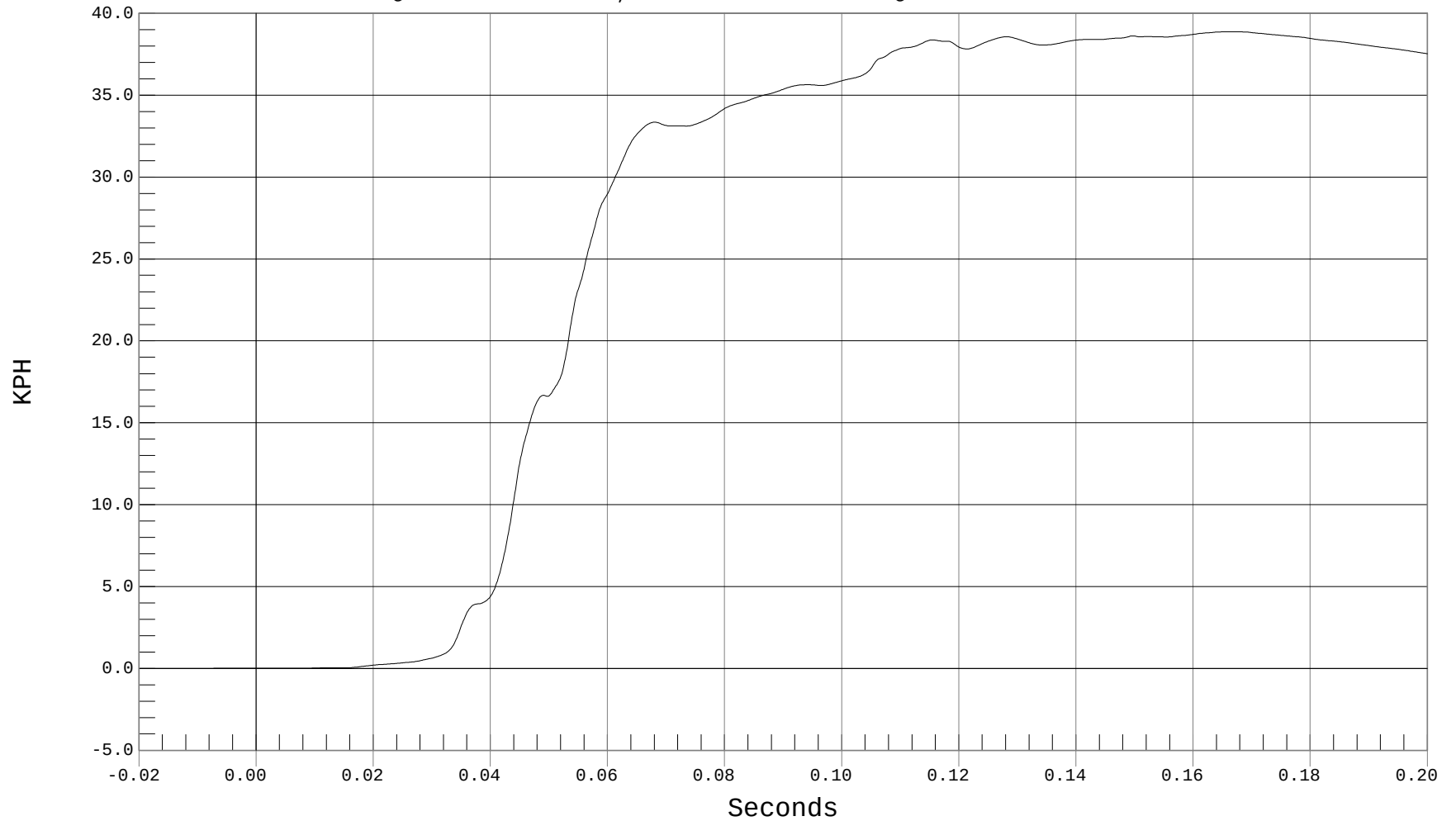
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 REAR PASSENGER UPPER RIB Y VELOCITY, B01022AI.V11

Ymin = 0 KPH @ -0.0179 Seconds, Ymax = 38.88 KPH @ 0.1667 Seconds





REAR PASSENGER LOWER RIB Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

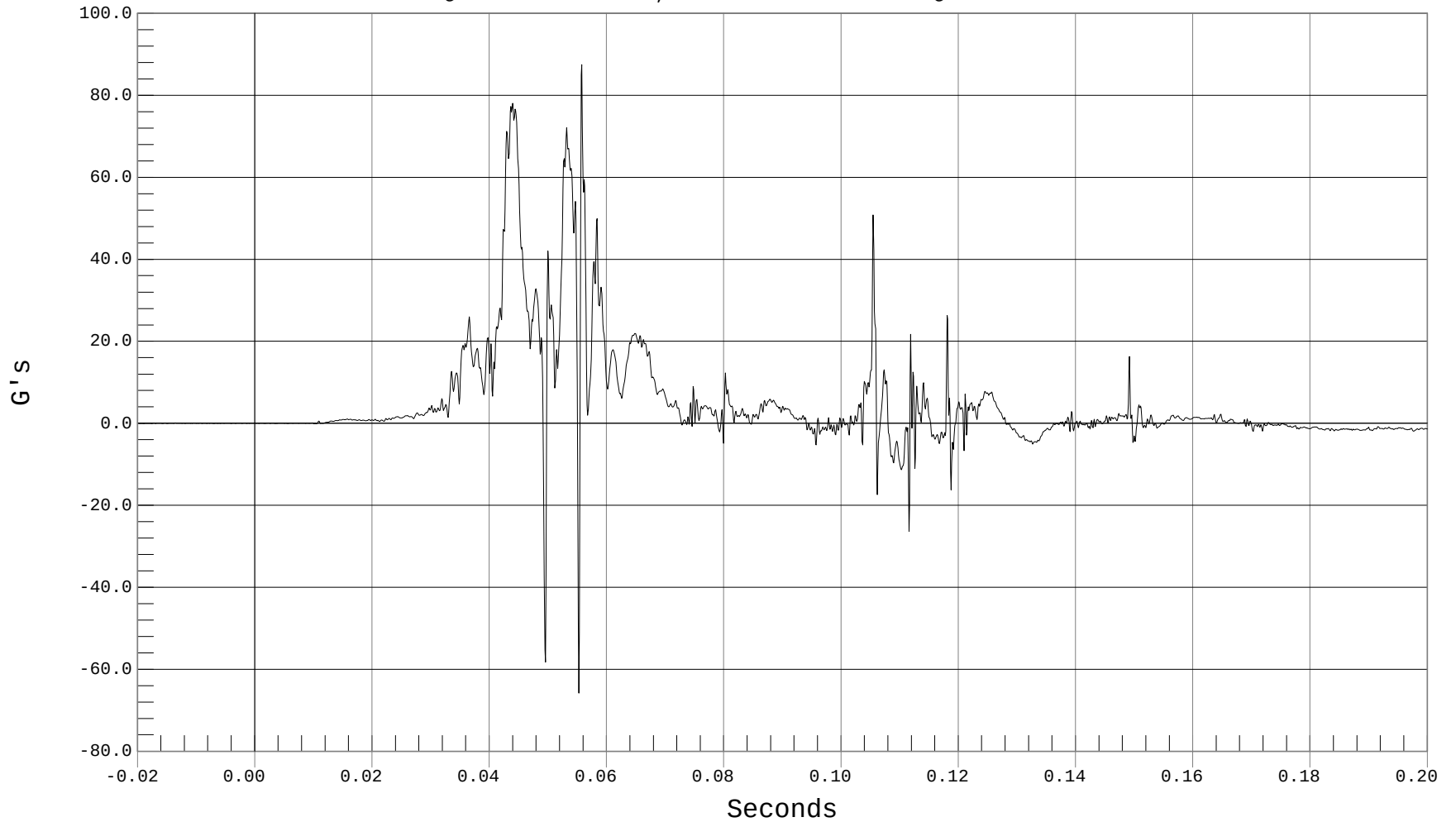
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 PASSENGER LOWER RIB Y, B01022AT.A12

Ymin = -65.86 G's @ 0.0552 Seconds, Ymax = 87.46 G's @ 0.0557 Seconds





REAR PASSENGER LOWER RIB Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

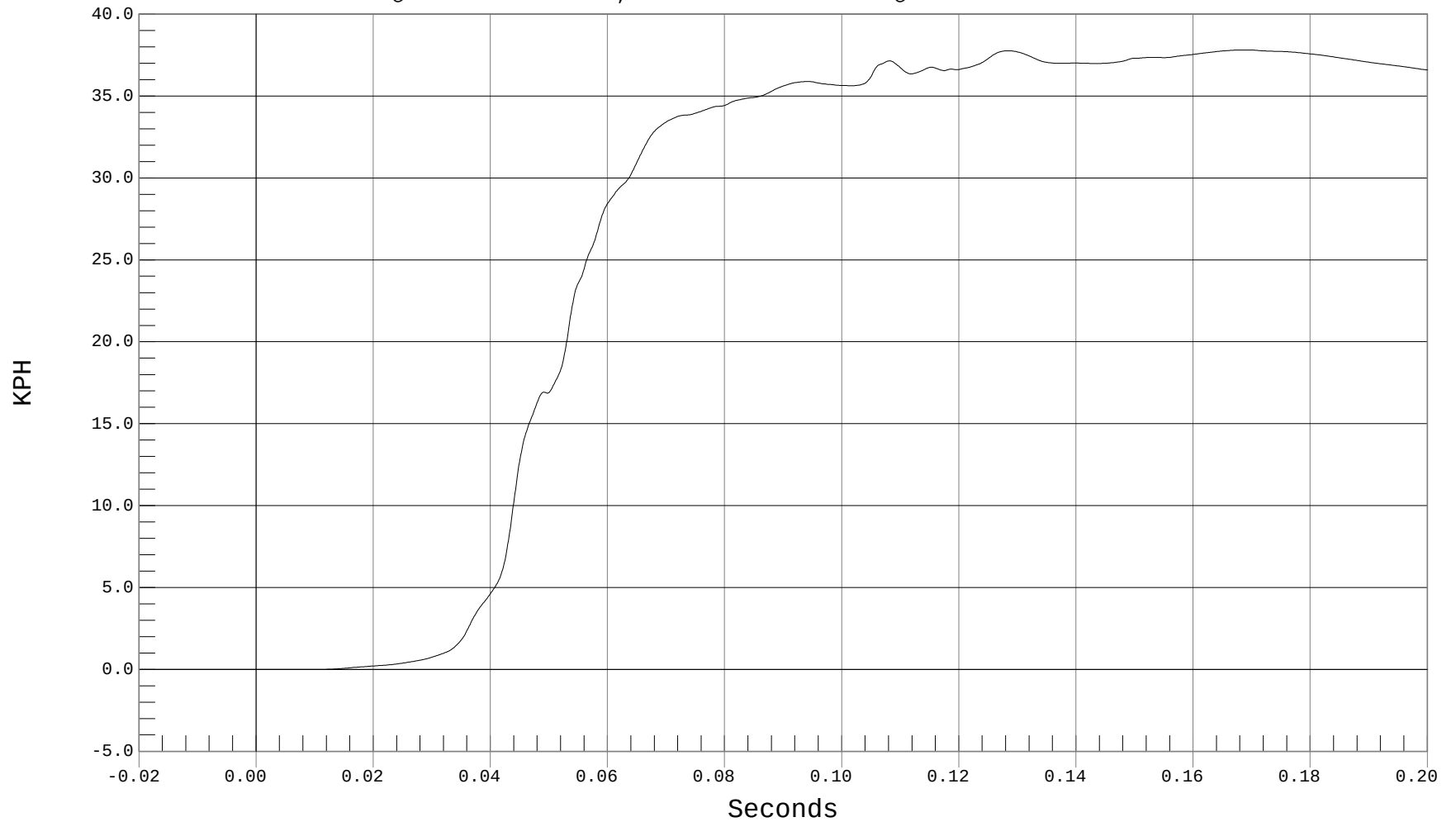
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 REAR PASSENGER LOWER RIB Y VELOCITY, B01022AI.V12

Ymin = 0 KPH @ -0.0182 Seconds, Ymax = 37.81 KPH @ 0.1693 Seconds





REAR PASSENGER LOWER SPINE Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

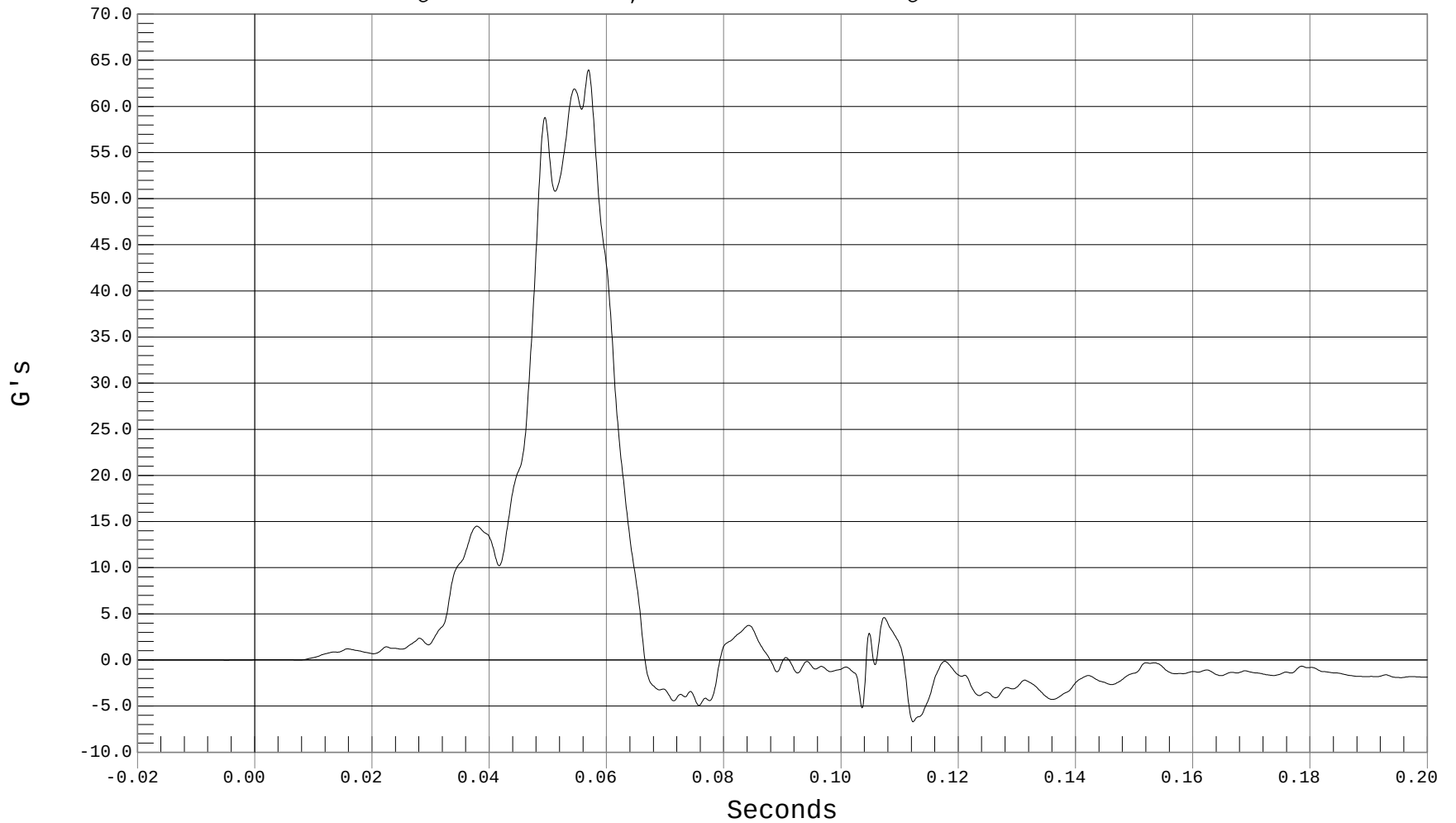
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 PASSENGER LOWER SPINE Y, B01022AF.A13

Ymin = -6.7 G's @ 0.1122 Seconds, Ymax = 63.96 G's @ 0.0568 Seconds





REAR PASSENGER LOWER SPINE Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

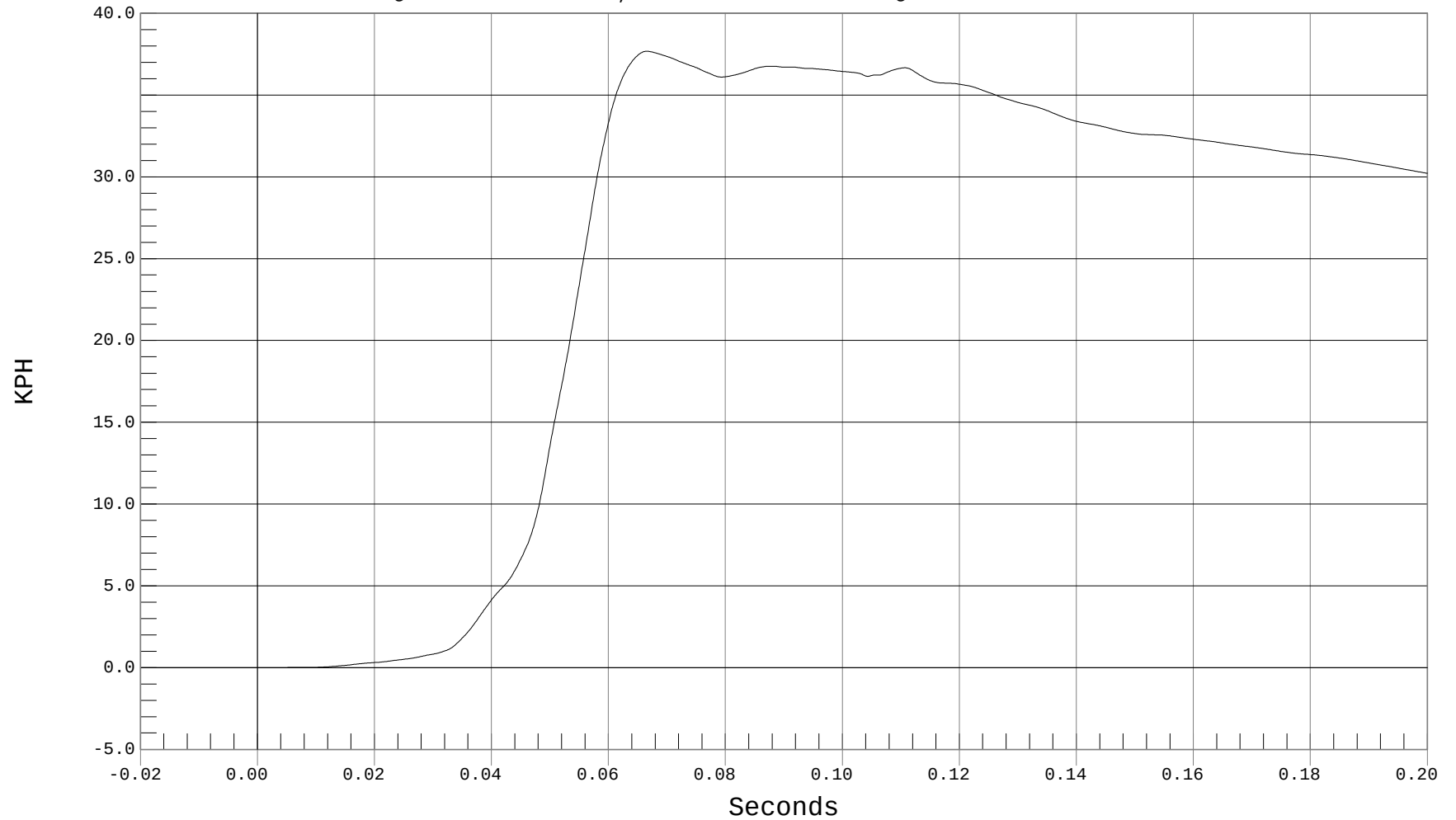
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 REAR PASSENGER LOWER SPINE Y VELOCITY, B01022AI.V13

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 37.68 KPH @ 0.0665 Seconds





REAR PASSENGER PELVIS Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

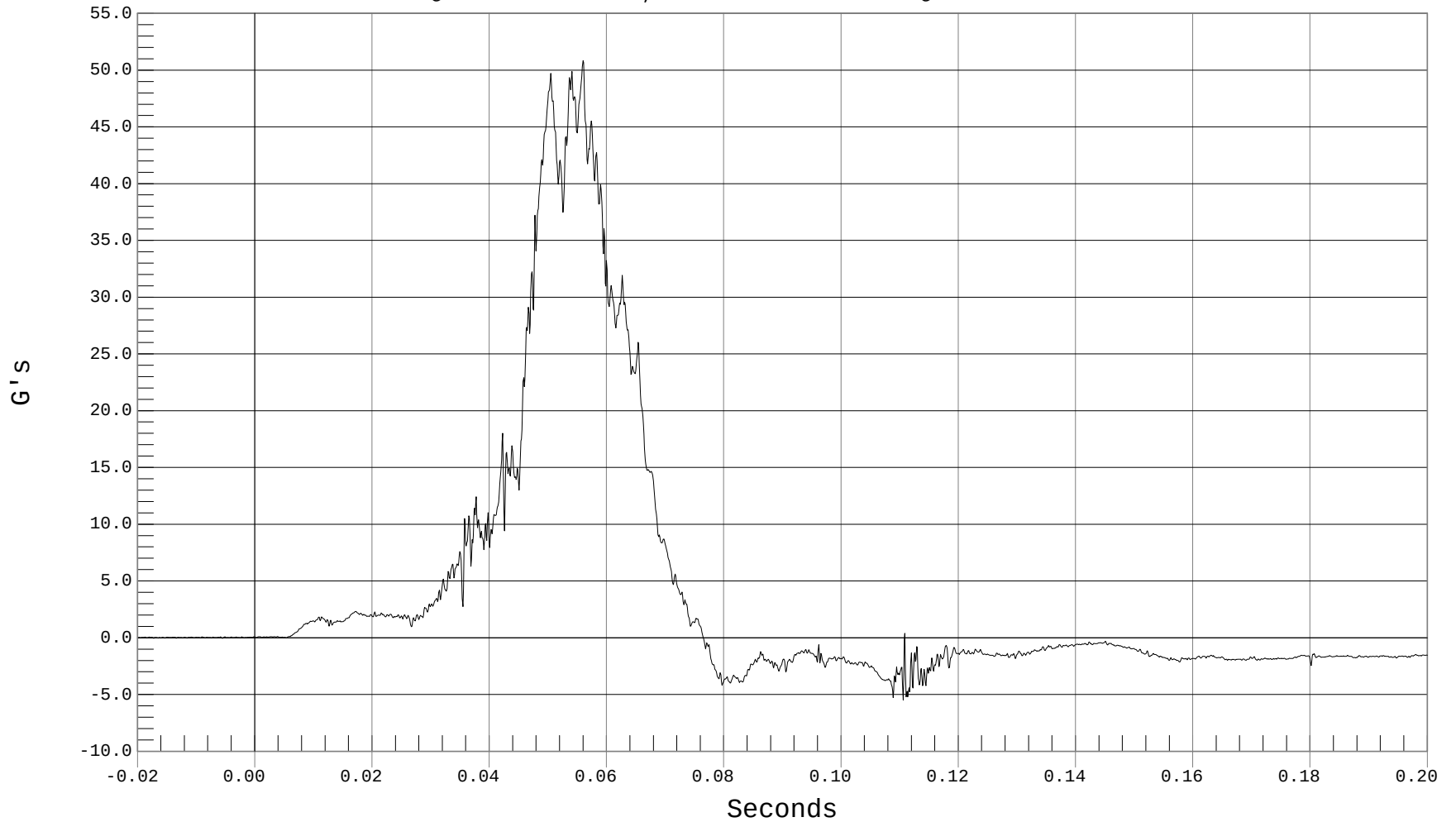
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 PASSENGER PELVIS Y, B01022AT.A14

Ymin = -5.49 G's @ 0.1105 Seconds, Ymax = 50.85 G's @ 0.0559 Seconds





REAR PASSENGER PELVIS Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

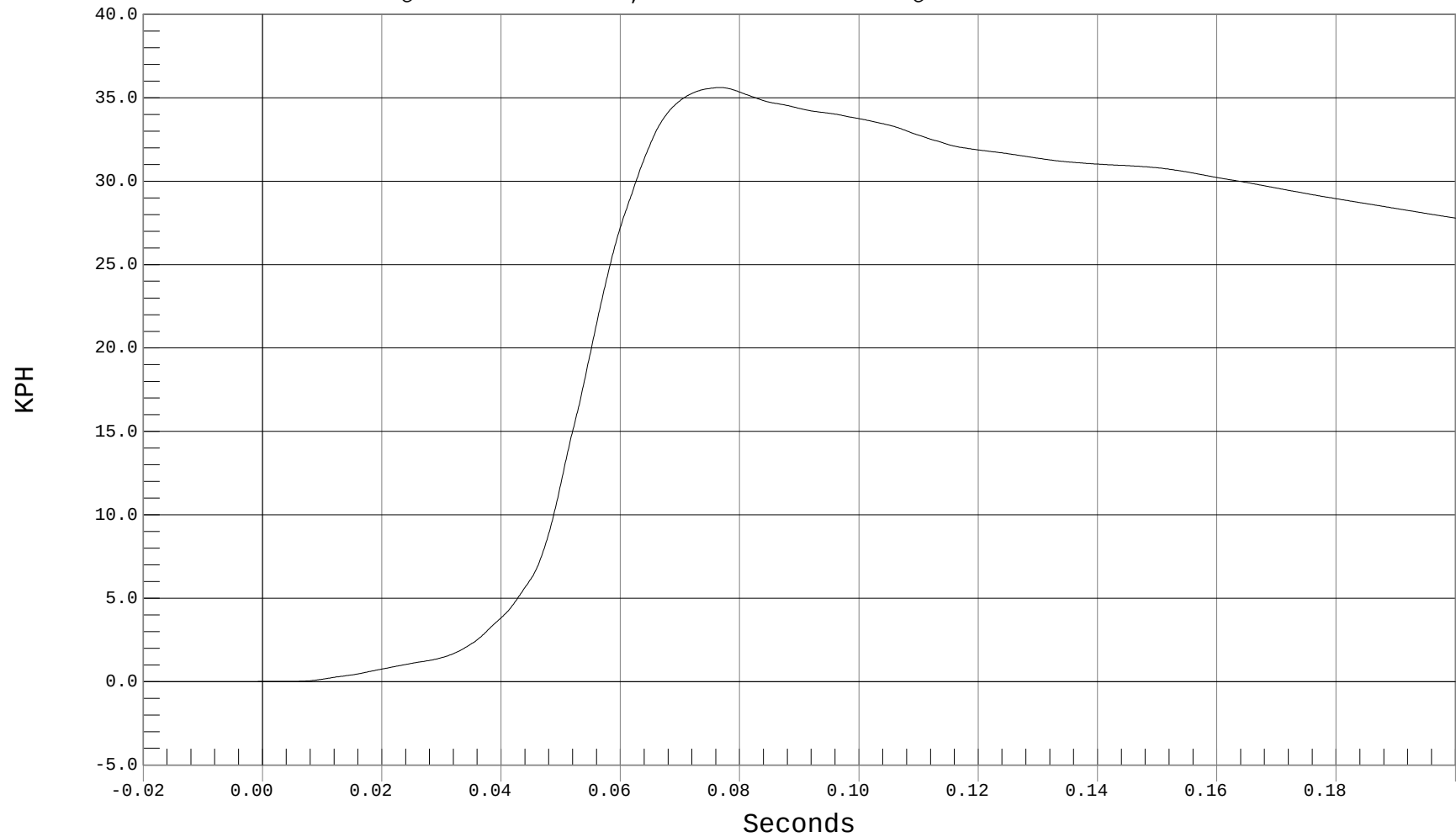
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 REAR PASSENGER PELVIS Y VELOCITY, B01022AI.V14

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 35.62 KPH @ 0.0765 Seconds





LEFT SIDE SILL AT FRONT SEAT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

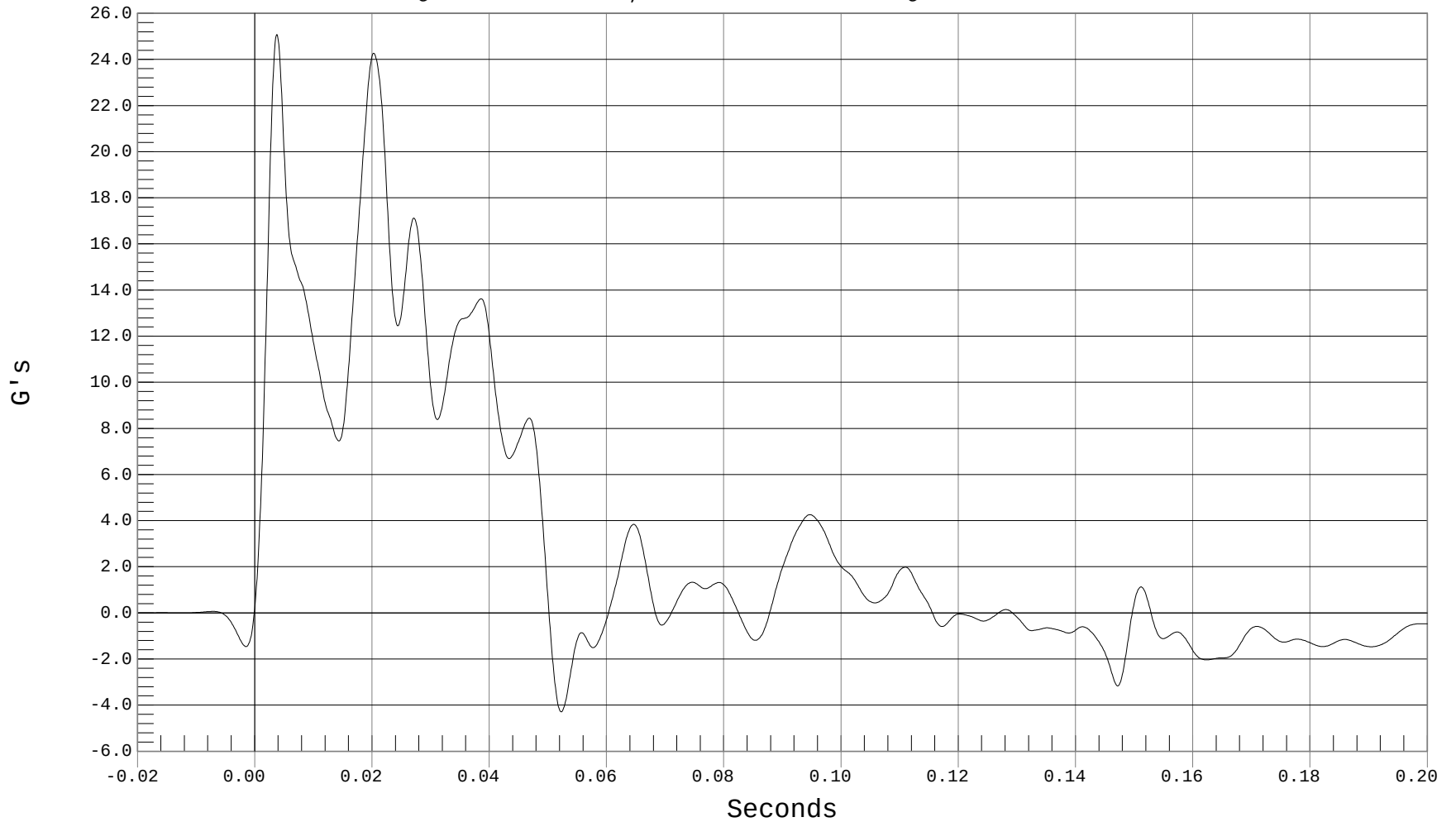
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 LEFT FRONT SILL Y, B01022AF.A21

Ymin = -4.3 G's @ 0.0522 Seconds, Ymax = 25.09 G's @ 0.0037 Seconds





LEFT SIDE SILL AT FRONT SEAT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

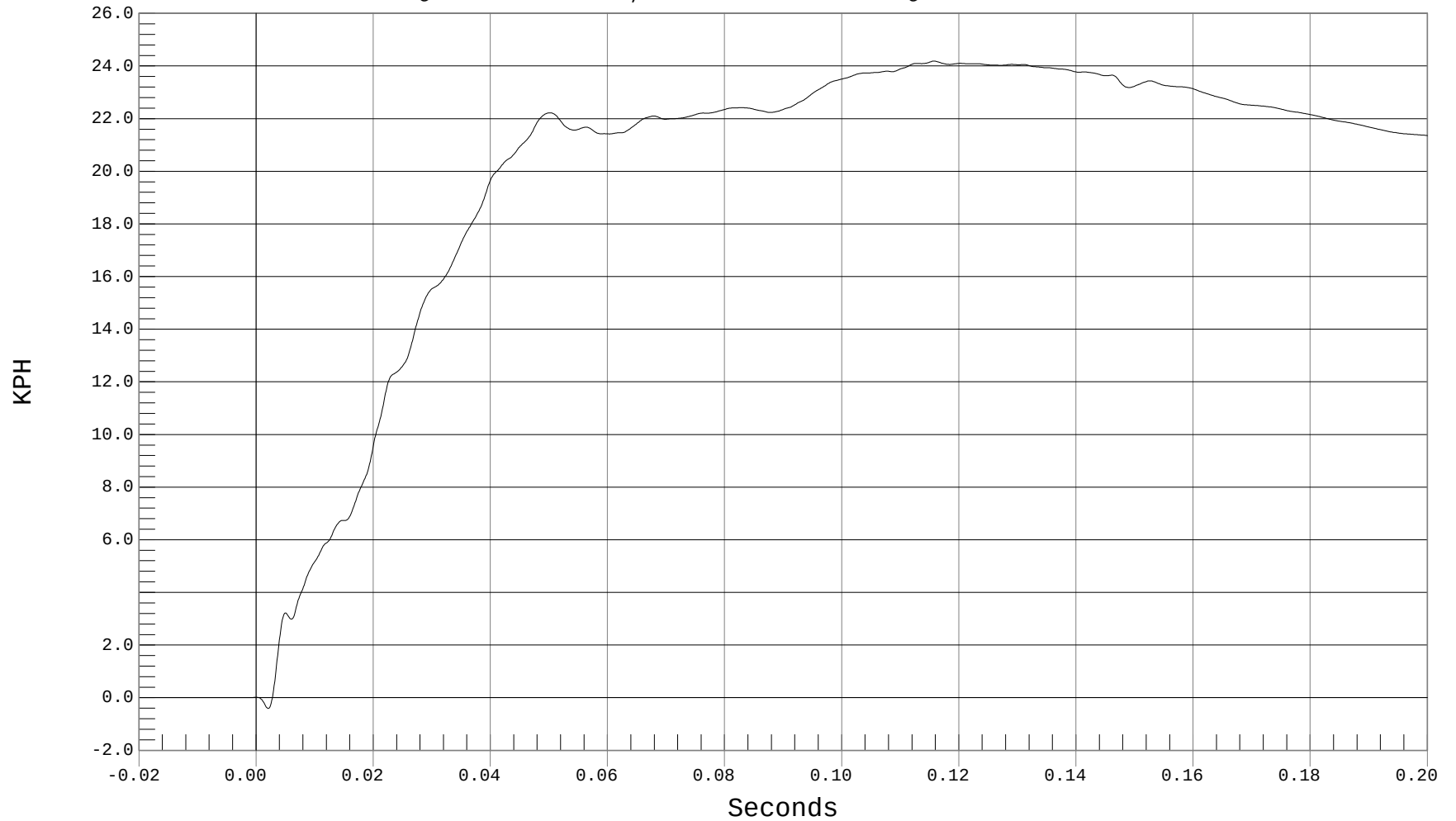
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 LEFT SIDE SILL AT FRONT SEAT Y VELOCITY, B01022AI.V21

Ymin = -.41 KPH @ 0.0020 Seconds, Ymax = 24.19 KPH @ 0.1157 Seconds





LEFT SIDE SILL AT REAR SEAT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

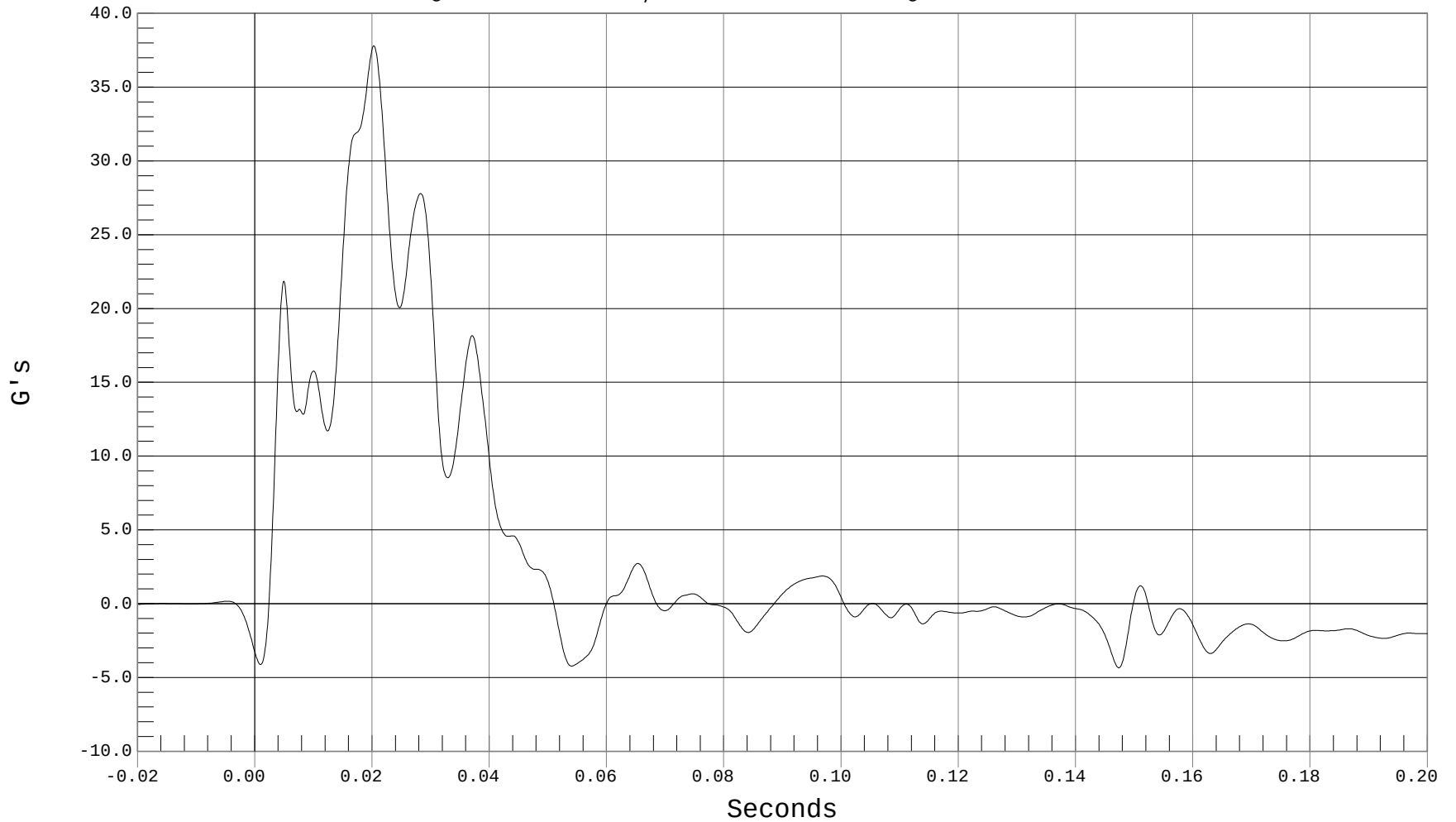
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 LEFT REAR SILL Y, B01022AF.A22

Ymin = -4.35 G's @ 0.1473 Seconds, Ymax = 37.8 G's @ 0.0202 Seconds





LEFT SIDE SILL AT REAR SEAT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

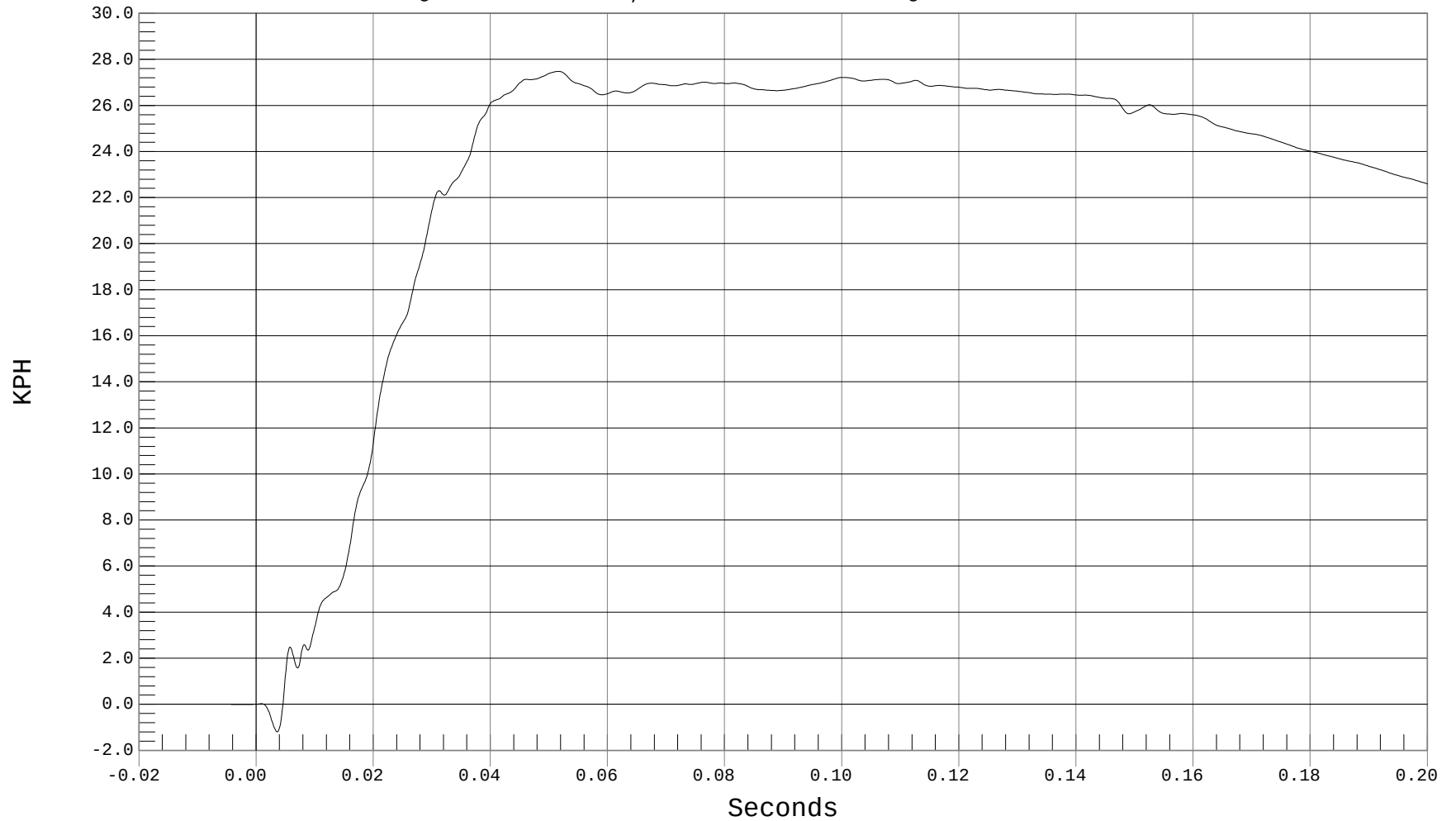
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 LEFT SIDE SILL AT REAR SEAT Y VELOCITY, B01022AI.V22

Ymin = -1.2 KPH @ 0.0035 Seconds, Ymax = 27.48 KPH @ 0.0515 Seconds





RIGHT SIDE SILL AT FRONT SEAT X ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

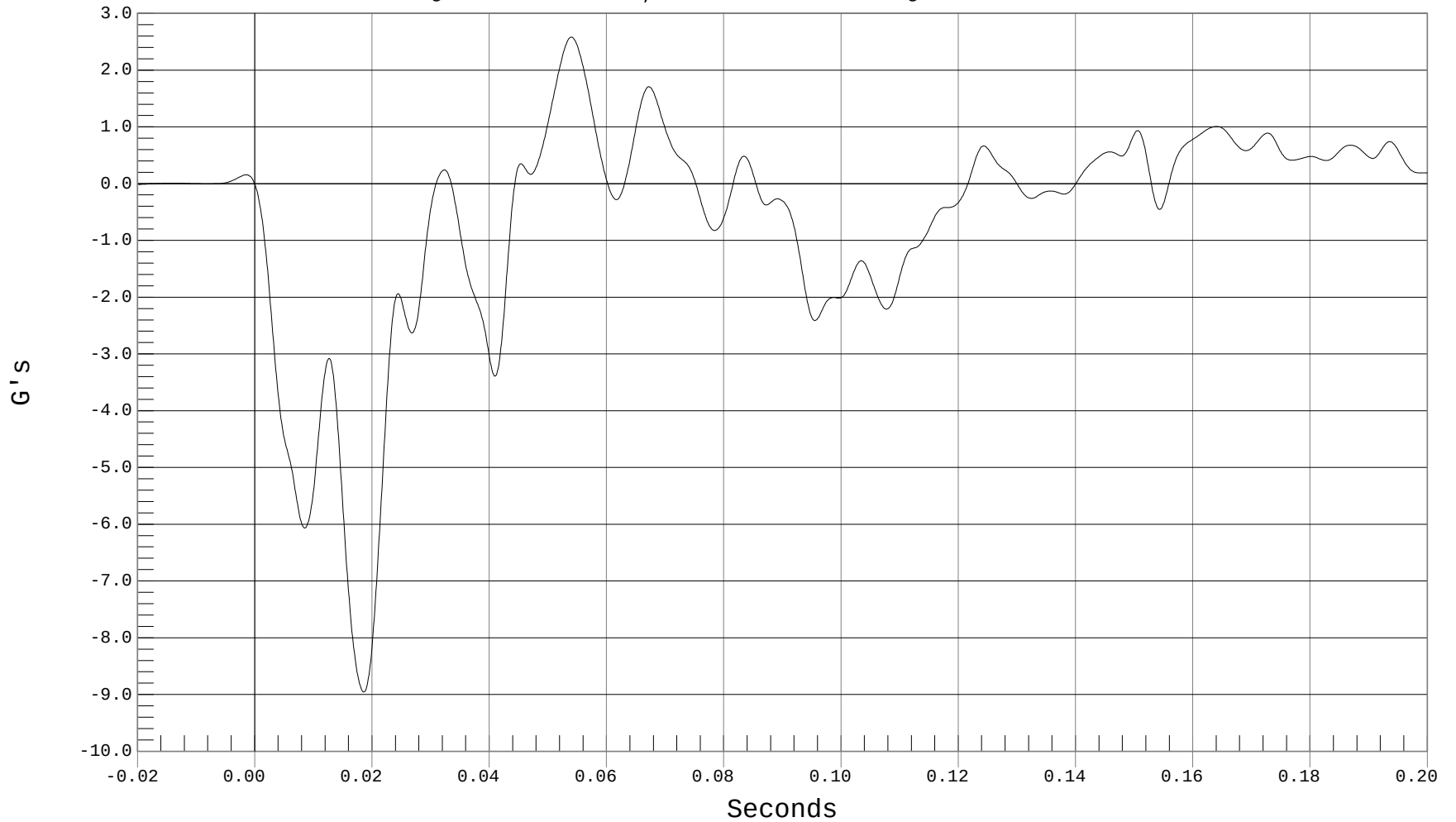
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 RIGHT FRONT SILL X, B01022AF.A15

Ymin = -8.96 G's @ 0.0185 Seconds, Ymax = 2.58 G's @ 0.0539 Seconds





RIGHT SIDE SILL AT FRONT SEAT X VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

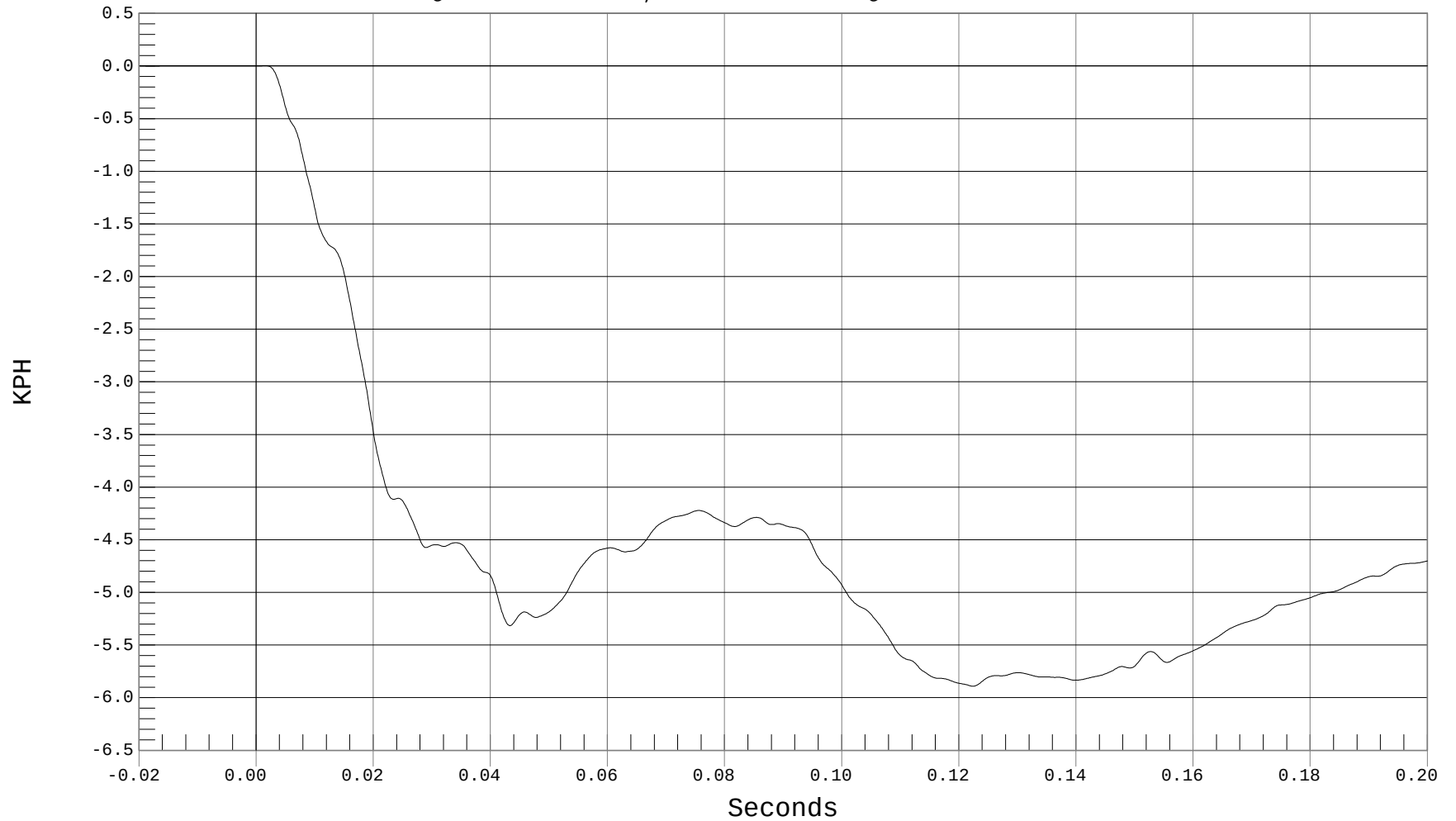
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 RIGHT SIDE SILL AT FRONT SEAT X VELOCITY, B01022AI.V15

Ymin = -5.89 KPH @ 0.1223 Seconds, Ymax = 0 KPH @ 0.0015 Seconds





RIGHT SIDE SILL AT FRONT SEAT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

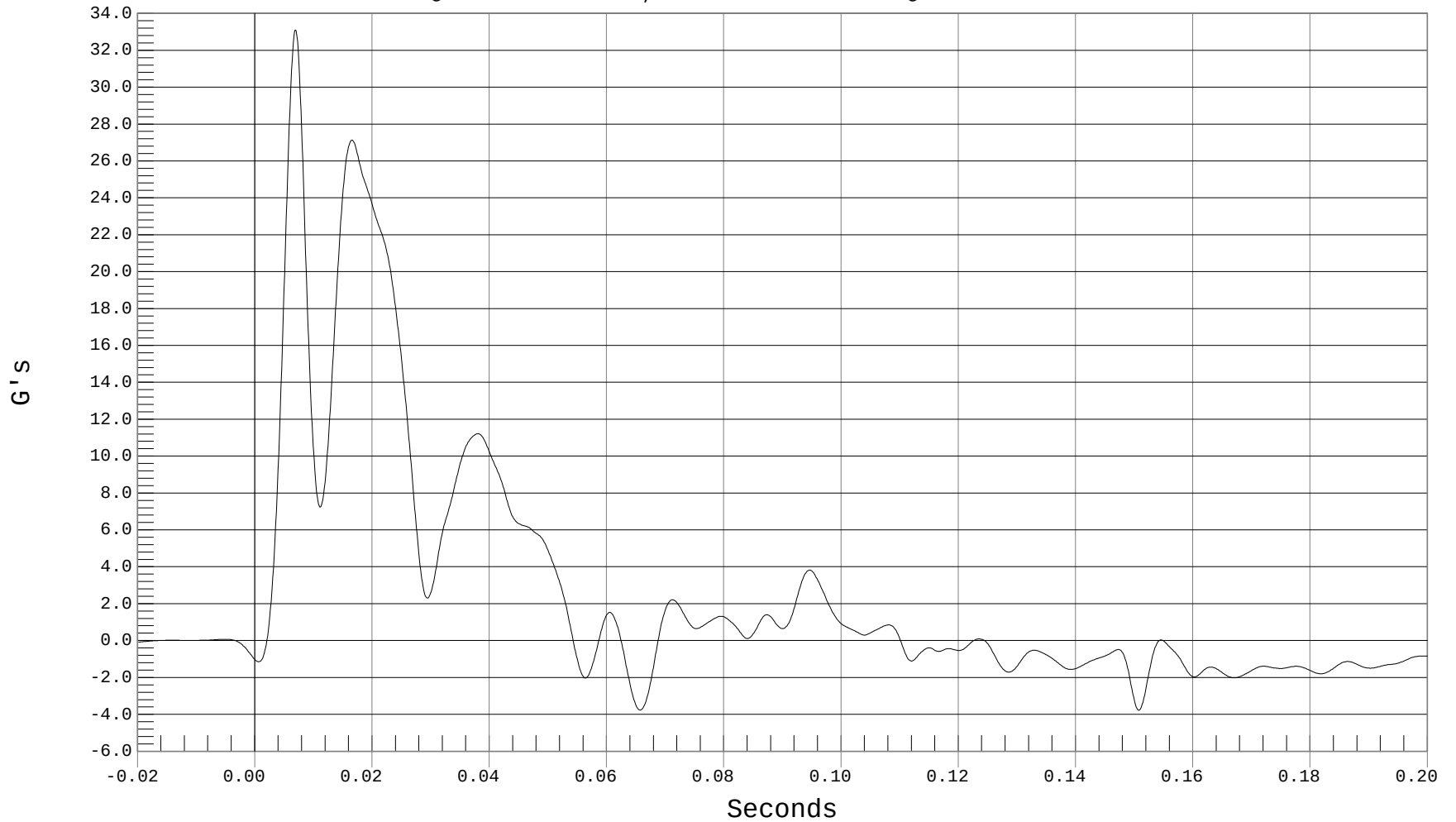
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 RIGHT FRONT SILL Y, B01022AF.A16

Ymin = -3.78 G's @ 0.1507 Seconds, Ymax = 33.1 G's @ 0.0069 Seconds





RIGHT SIDE SILL AT FRONT SEAT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

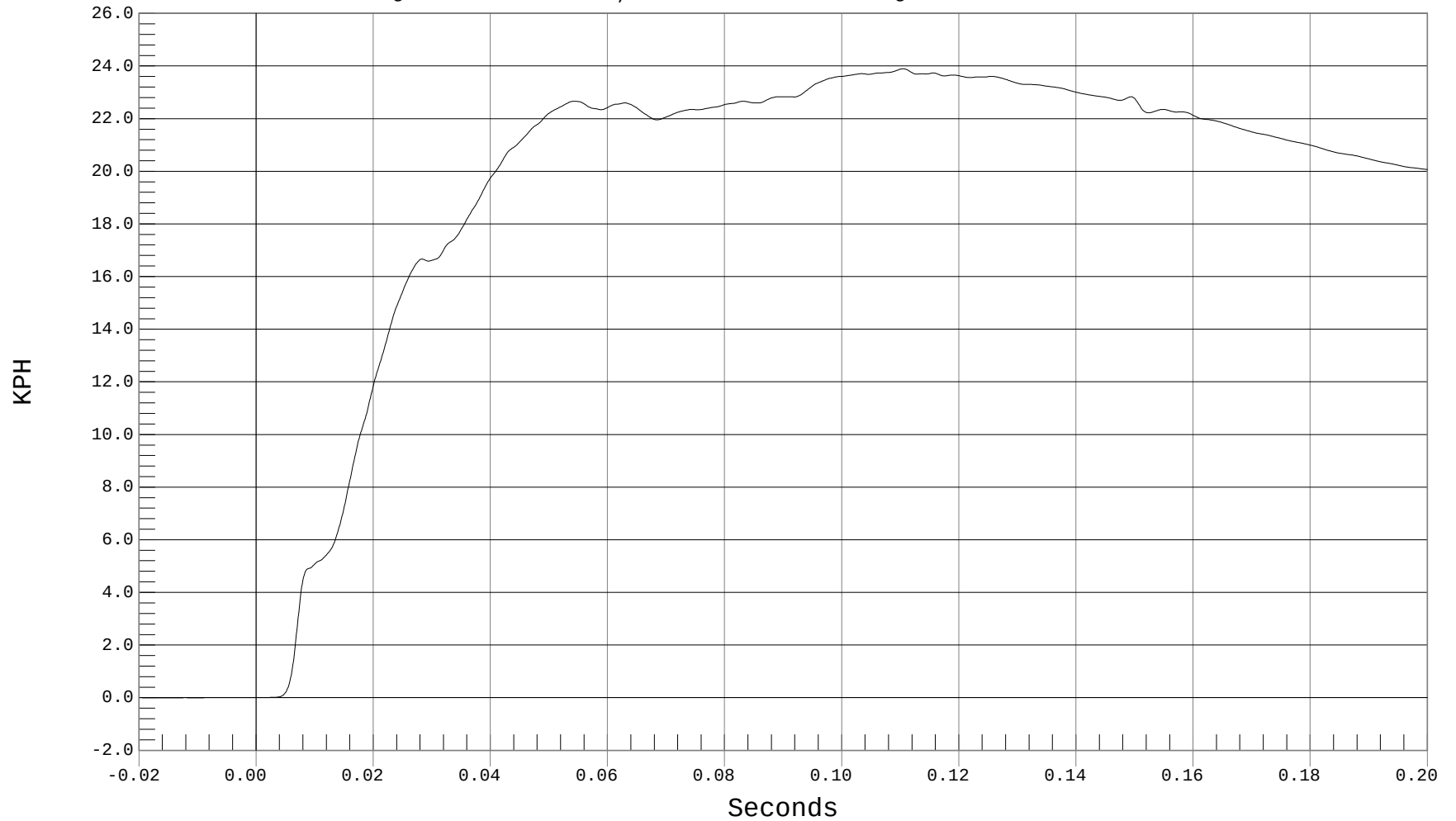
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 RIGHT SIDE SILL AT FRONT SEAT Y VELOCITY, B01022AI.V16

Ymin = 0 KPH @ -0.0169 Seconds, Ymax = 23.89 KPH @ 0.1104 Seconds





RIGHT SIDE SILL AT FRONT SEAT Z ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

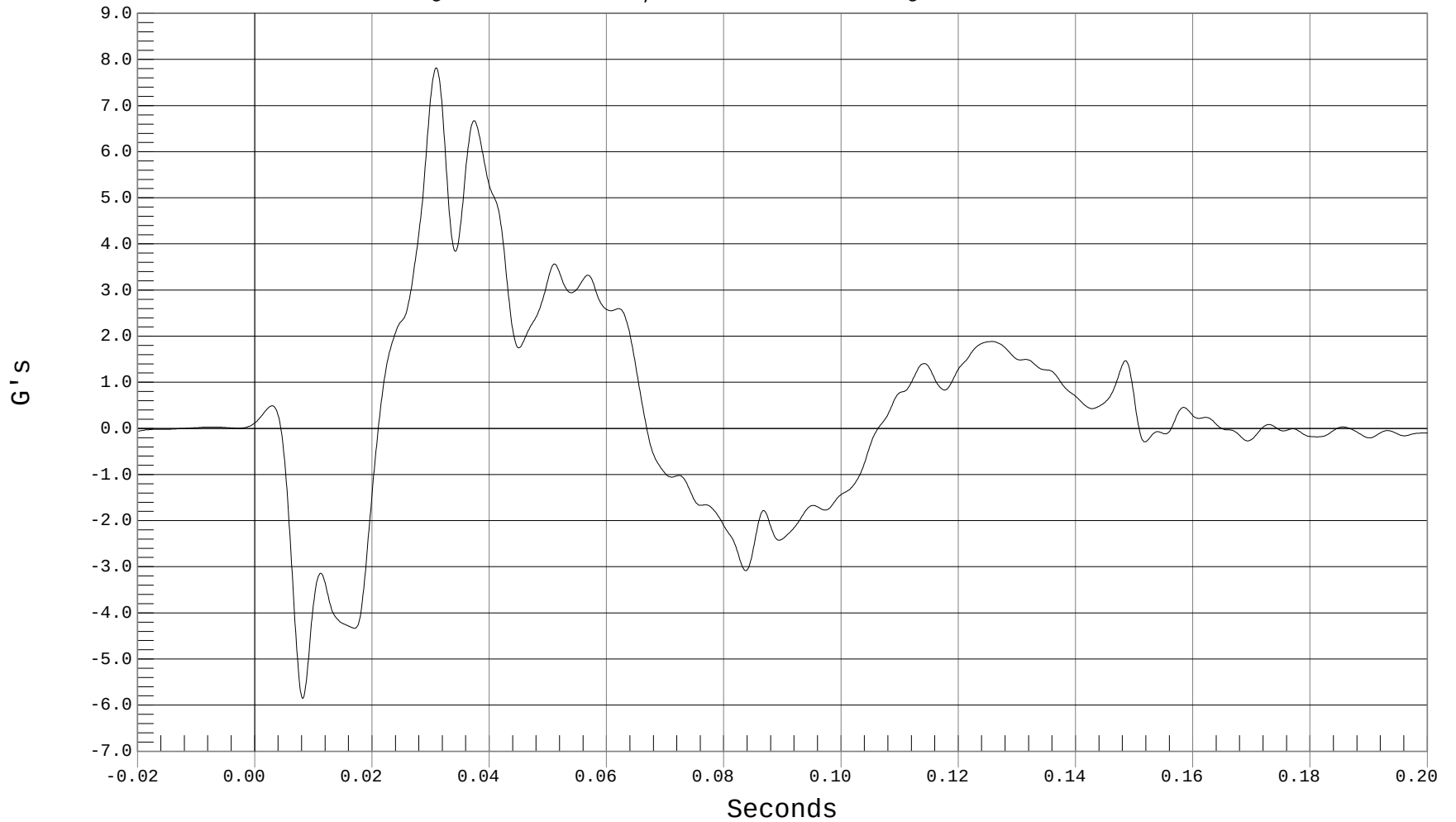
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 RIGHT FRONT SILL Z, B01022AF.A17

Ymin = -5.85 G's @ 0.0081 Seconds, Ymax = 7.82 G's @ 0.0309 Seconds





RIGHT SIDE SILL AT FRONT SEAT Z VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

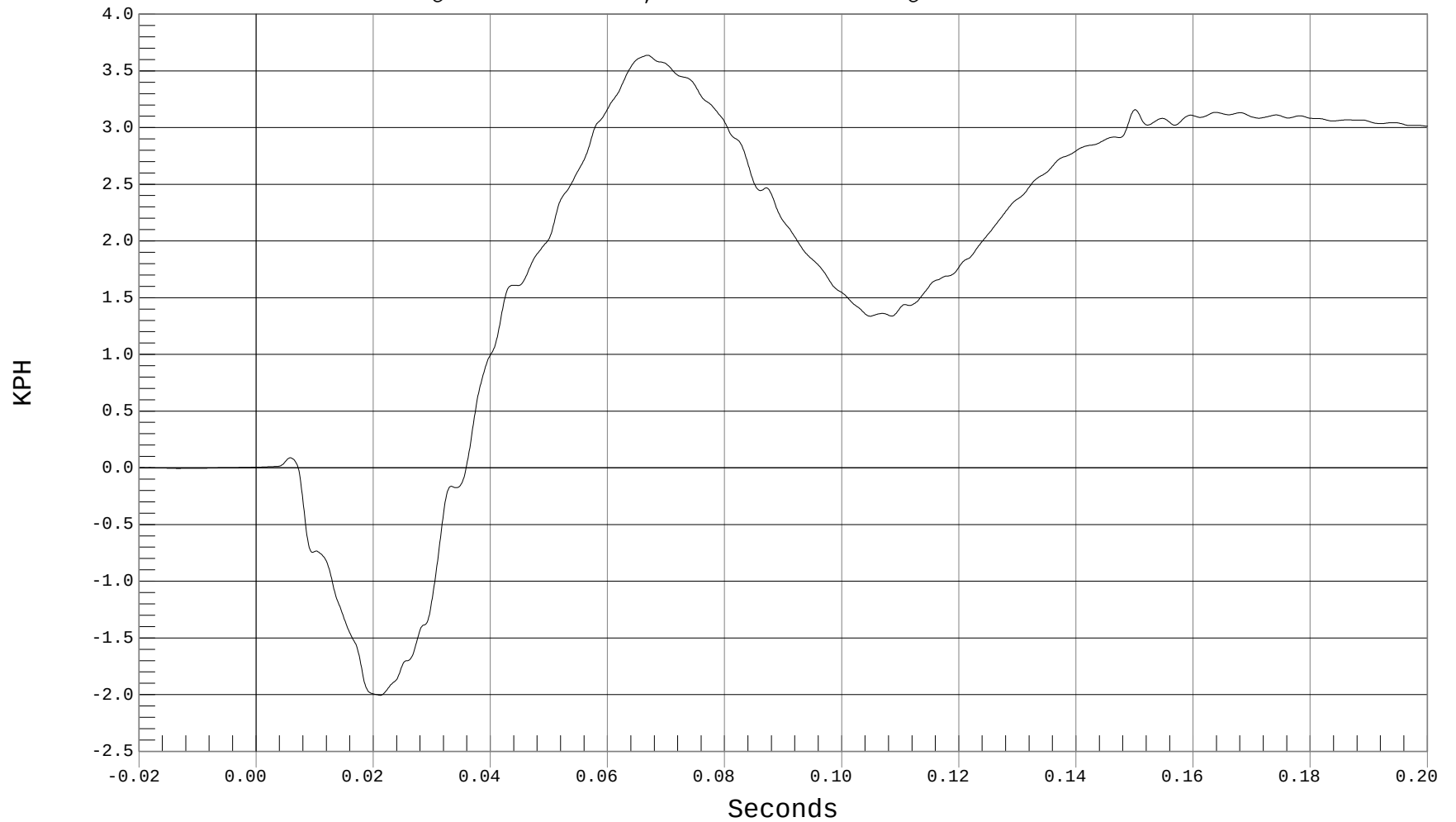
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 RIGHT SIDE SILL AT FRONT SEAT Z VELOCITY, B01022AI.V17

Ymin = -2.01 KPH @ 0.0211 Seconds, Ymax = 3.64 KPH @ 0.0667 Seconds





RIGHT SIDE SILL AT FRONT SEAT RESULTANT ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

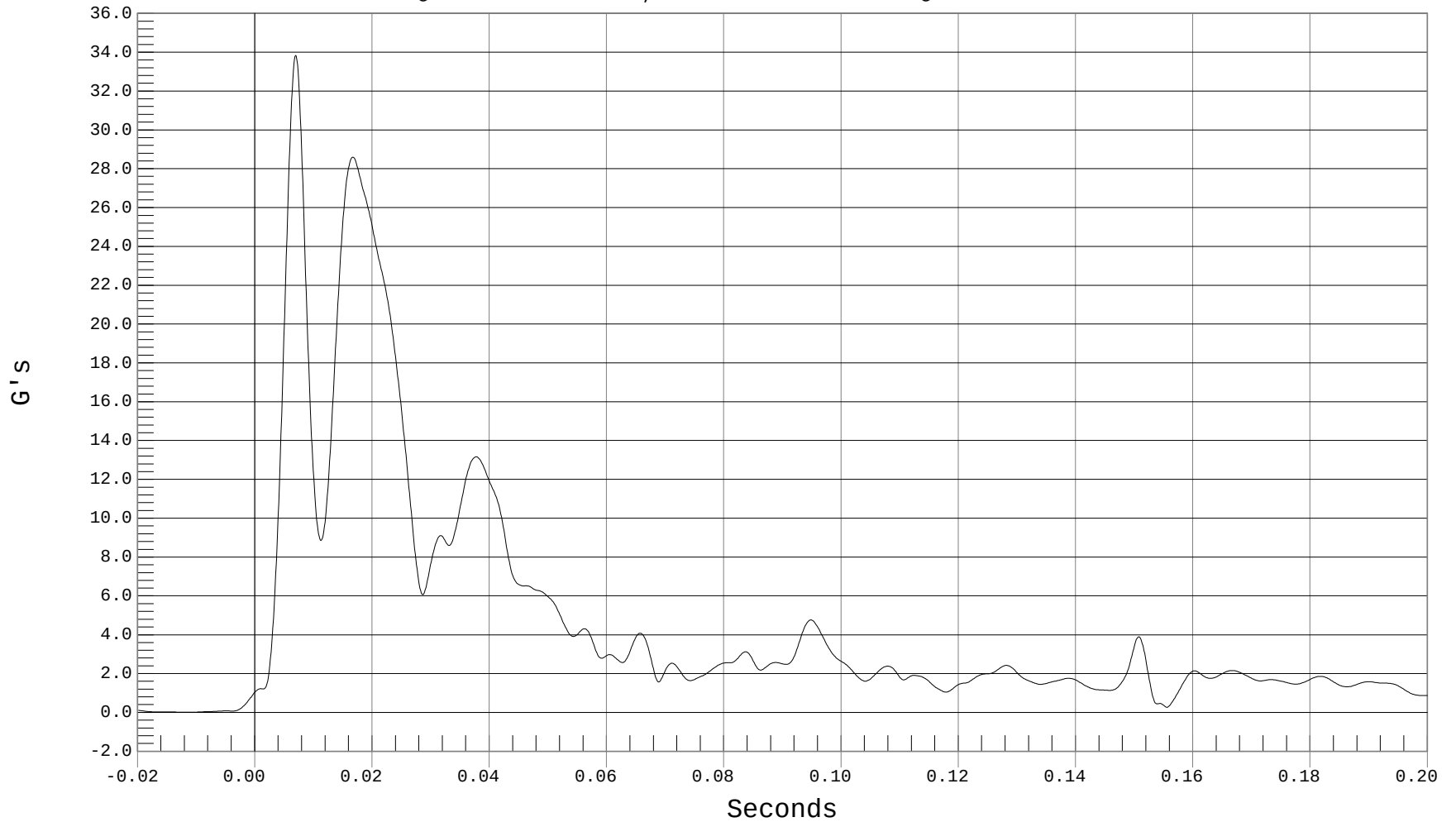
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 RIGHT SIDE SILL AT FRONT SEAT RESULTANT ACCELERATION, B01022AV.A15

Ymin = .01 G's @ -0.0116 Seconds, Ymax = 33.83 G's @ 0.0069 Seconds





RIGHT SIDE SILL AT REAR SEAT X ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

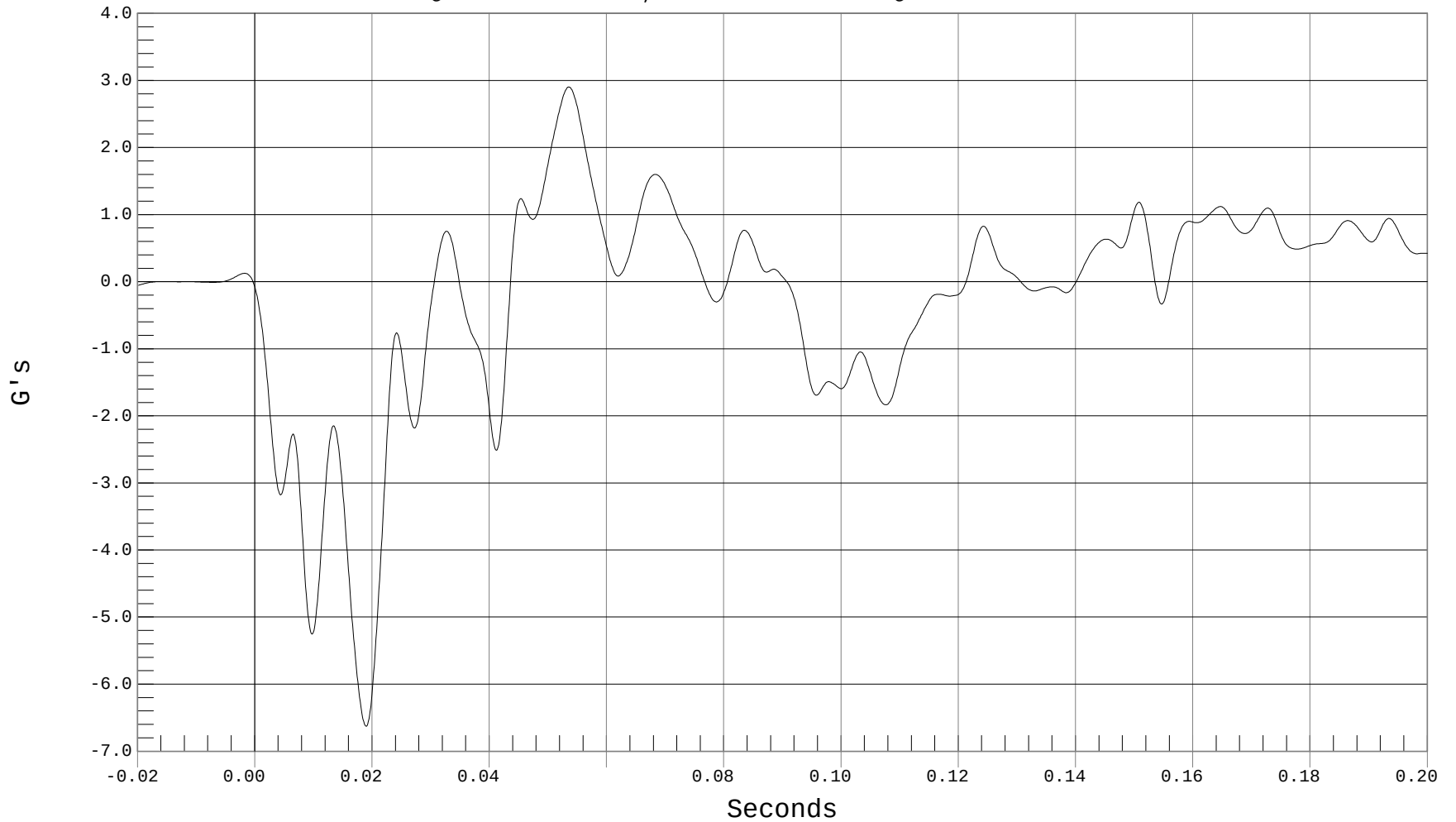
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 RIGHT REAR SILL X, B01022AF.A18

Ymin = -6.63 G's @ 0.0189 Seconds, Ymax = 2.9 G's @ 0.0535 Seconds





RIGHT SIDE SILL AT REAR SEAT X VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

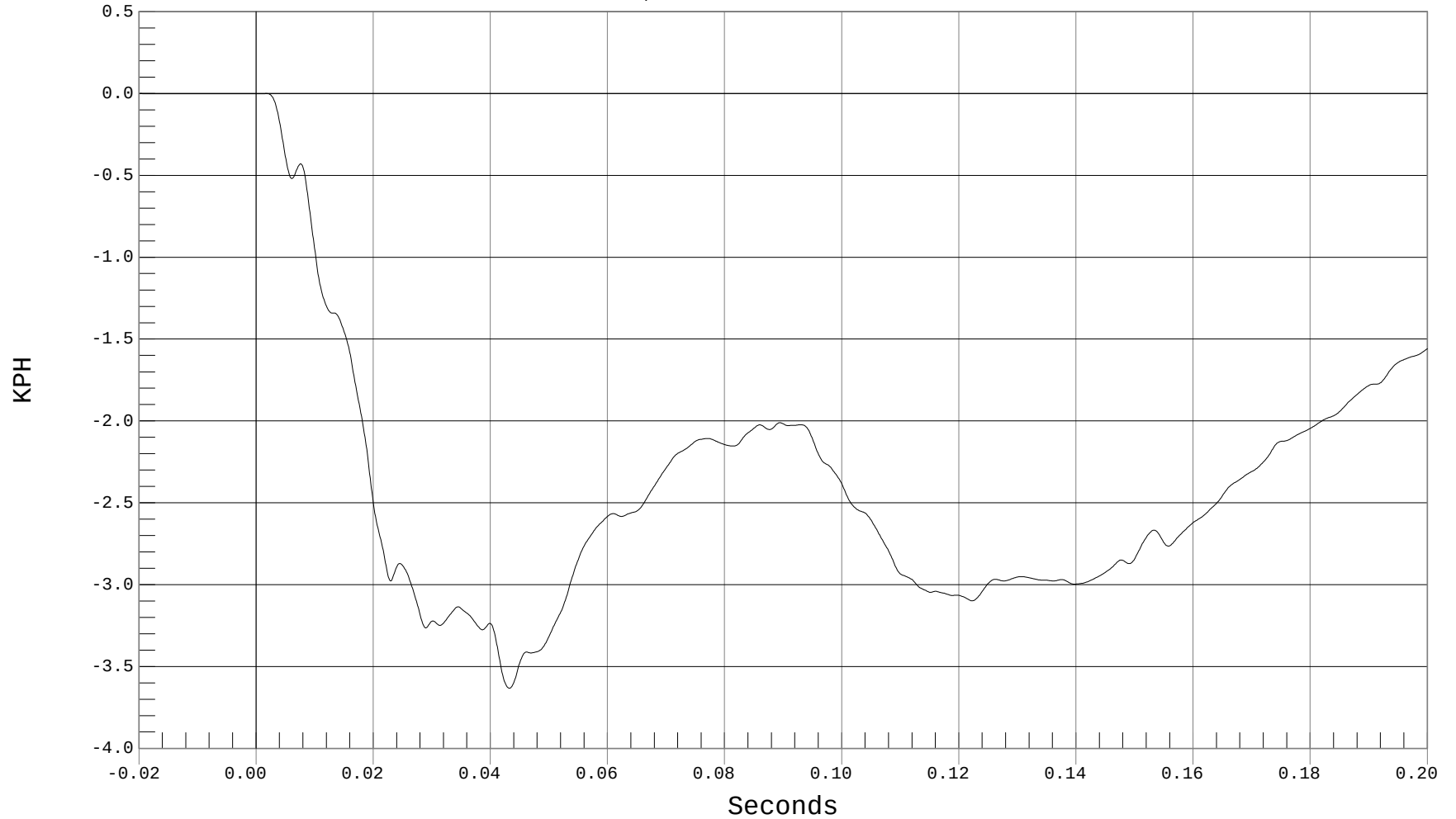
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 RIGHT SIDE SILL AT REAR SEAT X VELOCITY, B01022AI.V18

Ymin = -3.63 KPH @ 0.0432 Seconds, Ymax = 0 KPH @ -0.0199 Seconds





RIGHT SIDE SILL AT REAR SEAT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

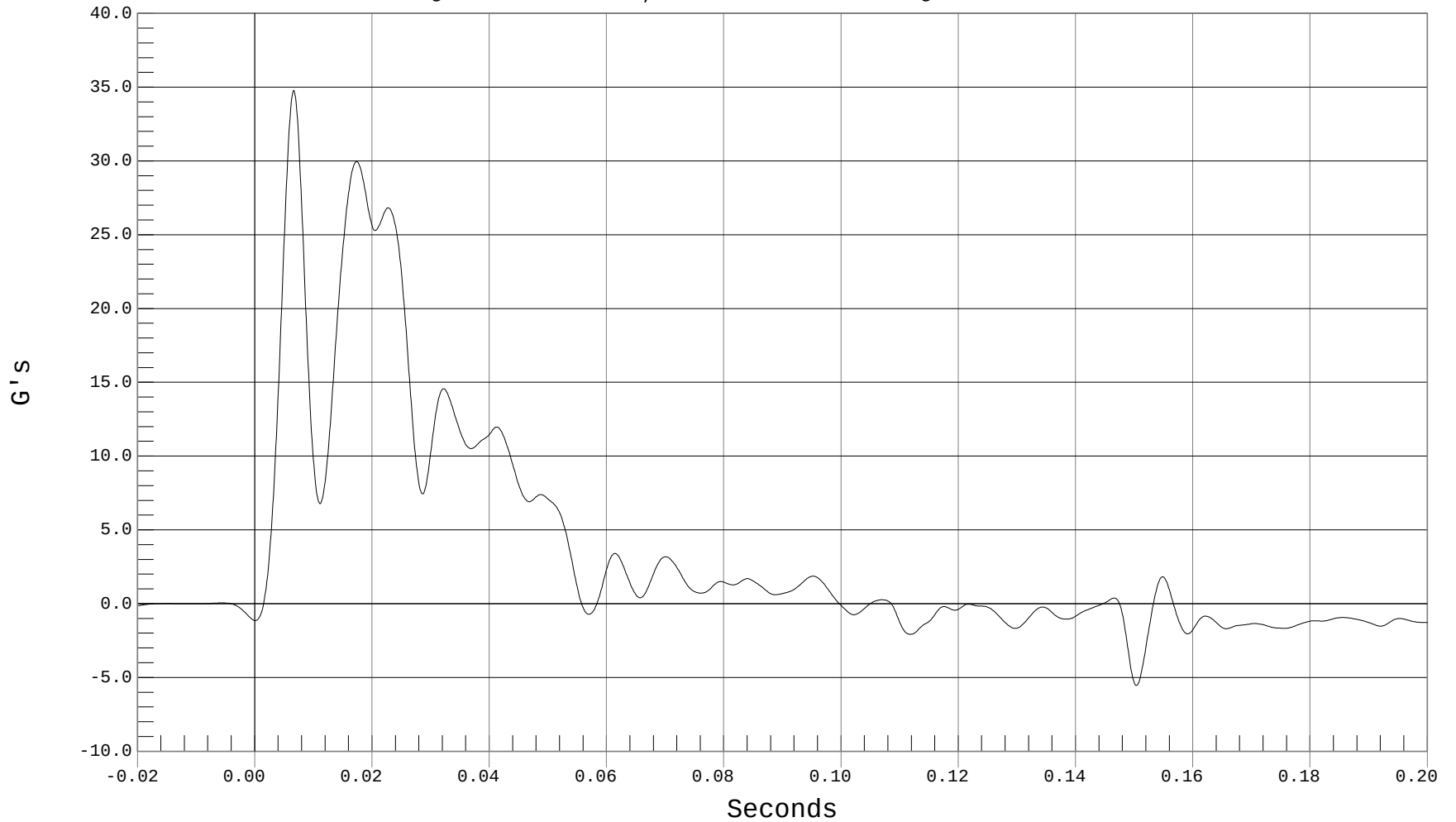
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 RIGHT REAR SILL Y, B01022AF.A19

Ymin = -5.55 G's @ 0.1503 Seconds, Ymax = 34.77 G's @ 0.0066 Seconds





RIGHT SIDE SILL AT REAR SEAT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

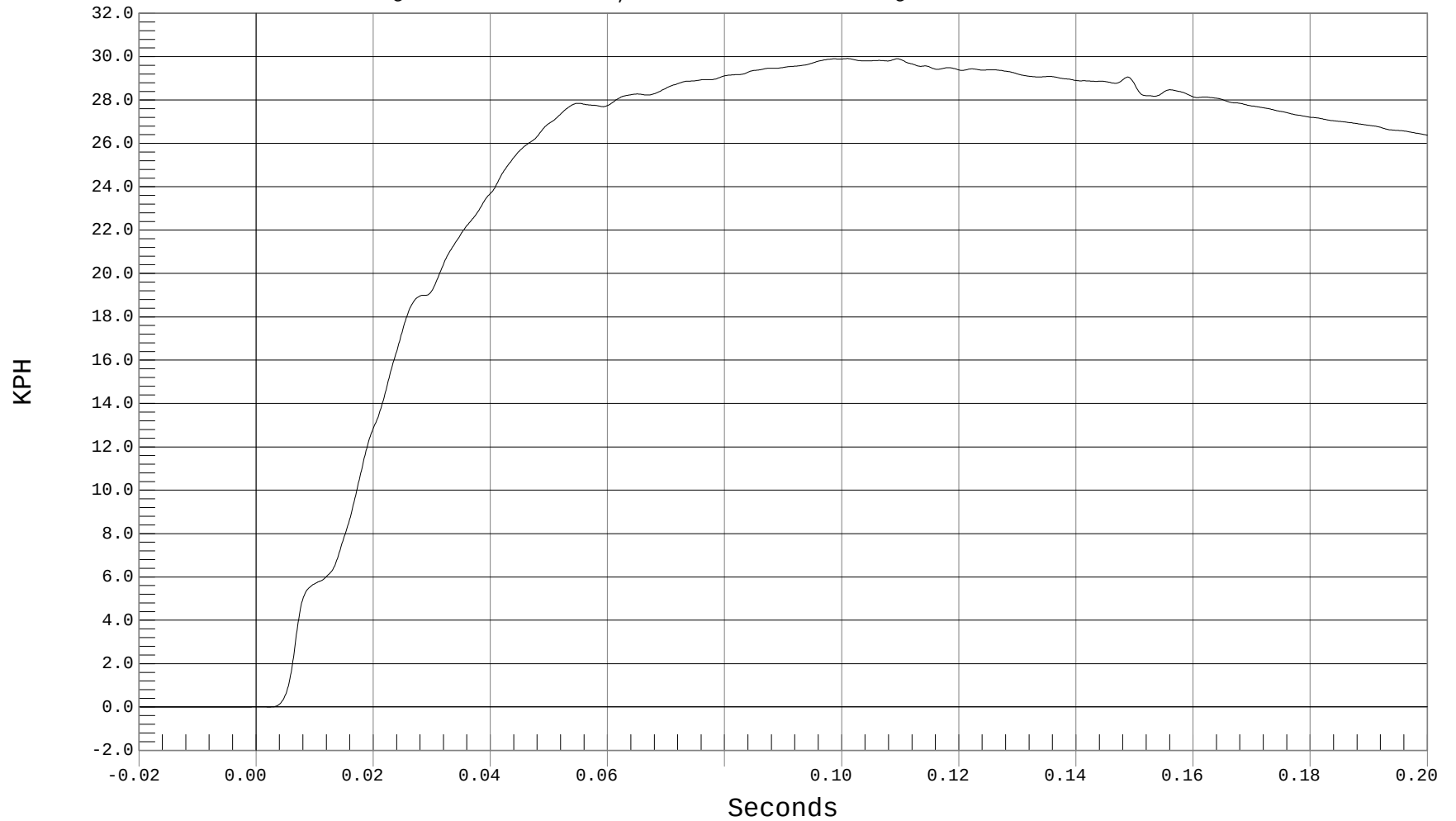
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 RIGHT SIDE SILL AT REAR SEAT Y VELOCITY, B01022AI.V19

Ymin = 0 KPH @ -0.0152 Seconds, Ymax = 29.91 KPH @ 0.1009 Seconds





RIGHT SIDE SILL AT REAR SEAT Z ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

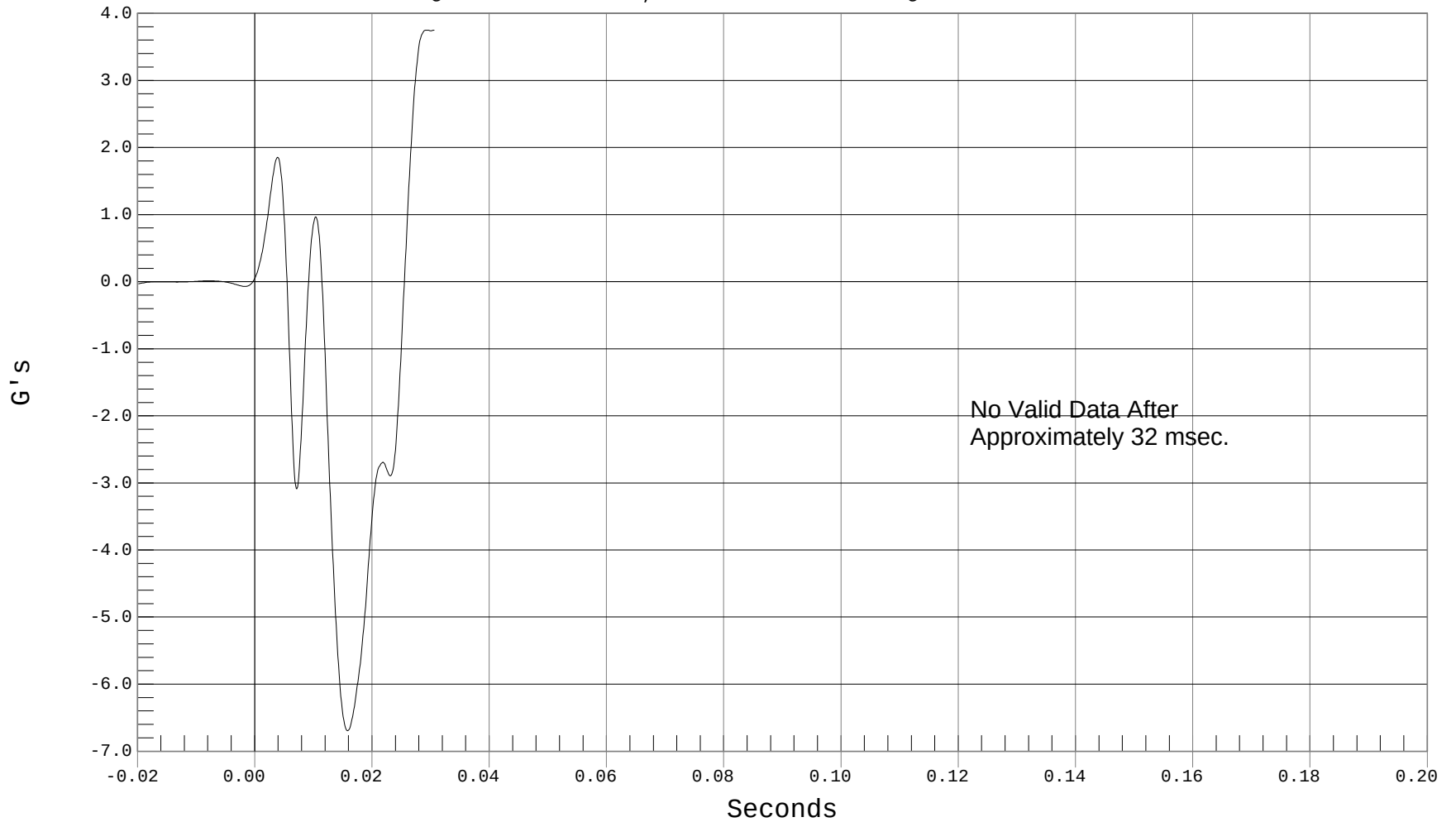
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 60

— 1 RIGHT REAR SILL Z, B01022AF.A20

Ymin = -6.69 G's @ 0.0158 Seconds, Ymax = 3.75 G's @ 0.0292 Seconds





RIGHT SIDE SILL AT REAR SEAT Z VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

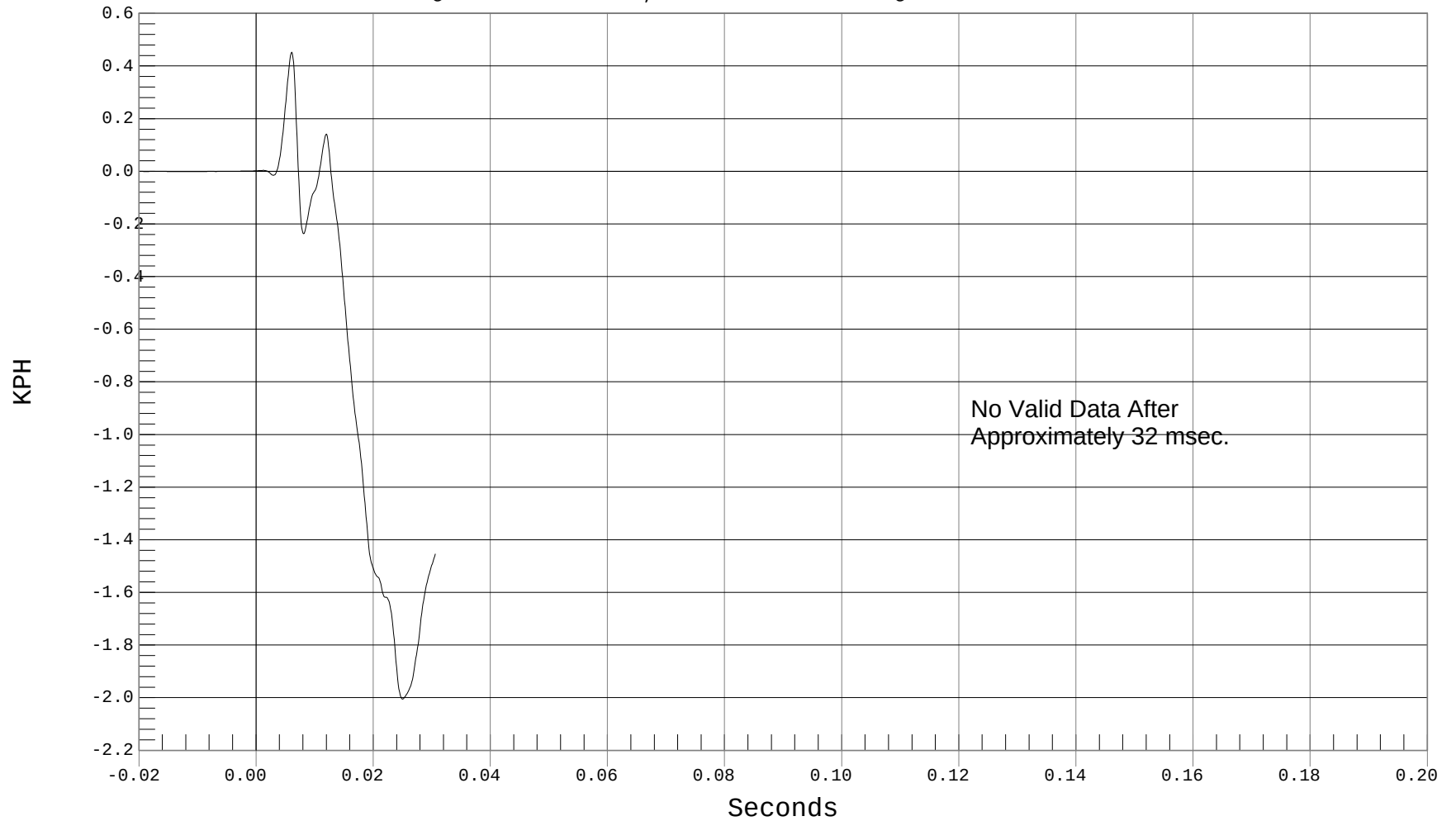
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

1 RIGHT SIDE SILL AT REAR SEAT Z VELOCITY, B01022AI.V20

Ymin = -2.01 KPH @ 0.0249 Seconds, Ymax = .45 KPH @ 0.0060 Seconds





LEFT DRIVERS SEAT TRACK Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

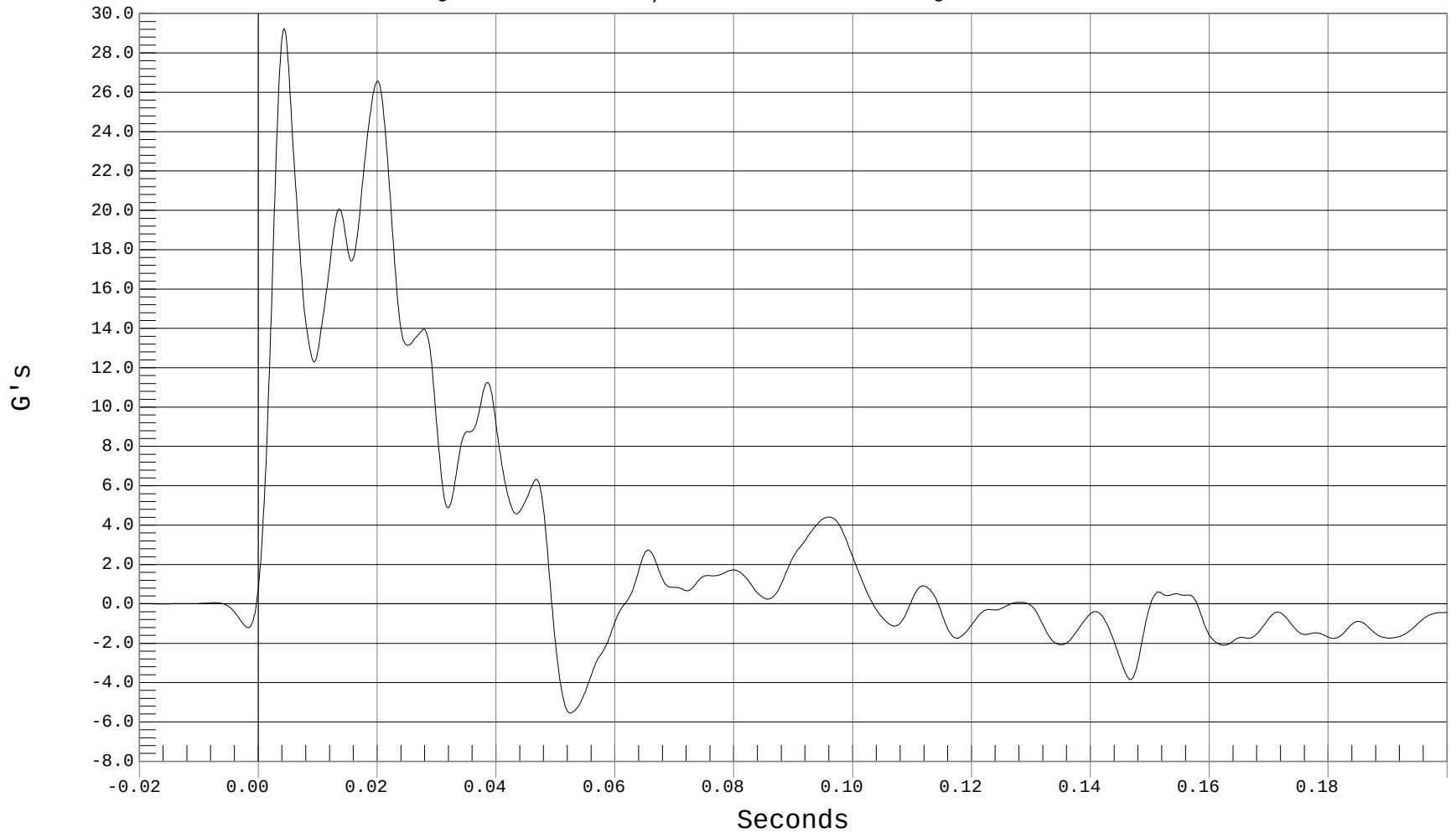
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 DRIVER SEAT TRACK Y, B01022AF.A30

Ymin = -5.55 G's @ 0.0524 Seconds, Ymax = 29.23 G's @ 0.0043 Seconds





LEFT DRIVERS SEAT TRACK Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

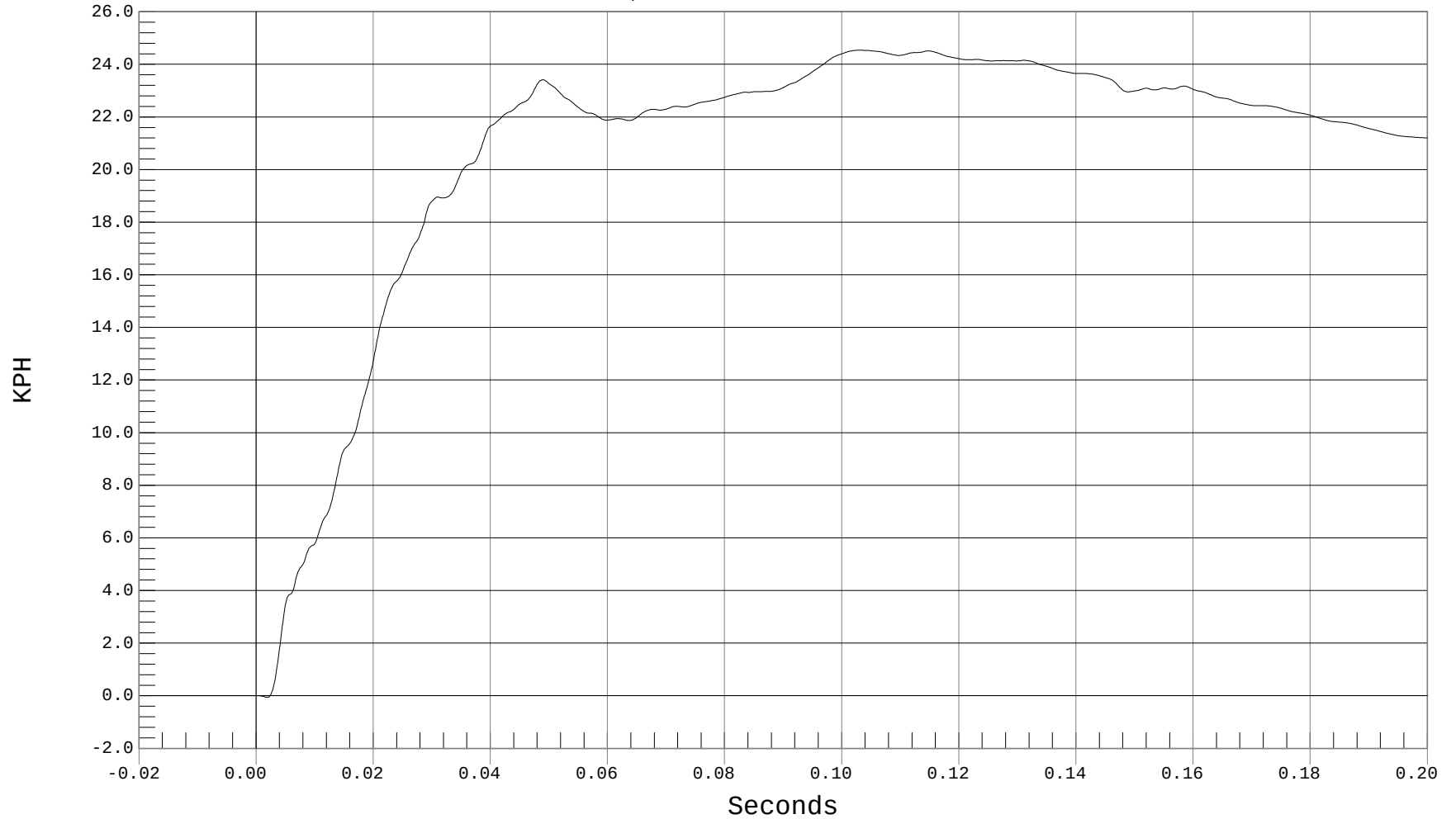
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER SEAT TRACK Y VELOCITY, B01022AI.V30

Ymin = -.06 KPH @ 0.0018 Seconds, Ymax = 24.53 KPH @ 0.1030 Seconds





REAR FLOORPAN ABOVE AXLE X ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

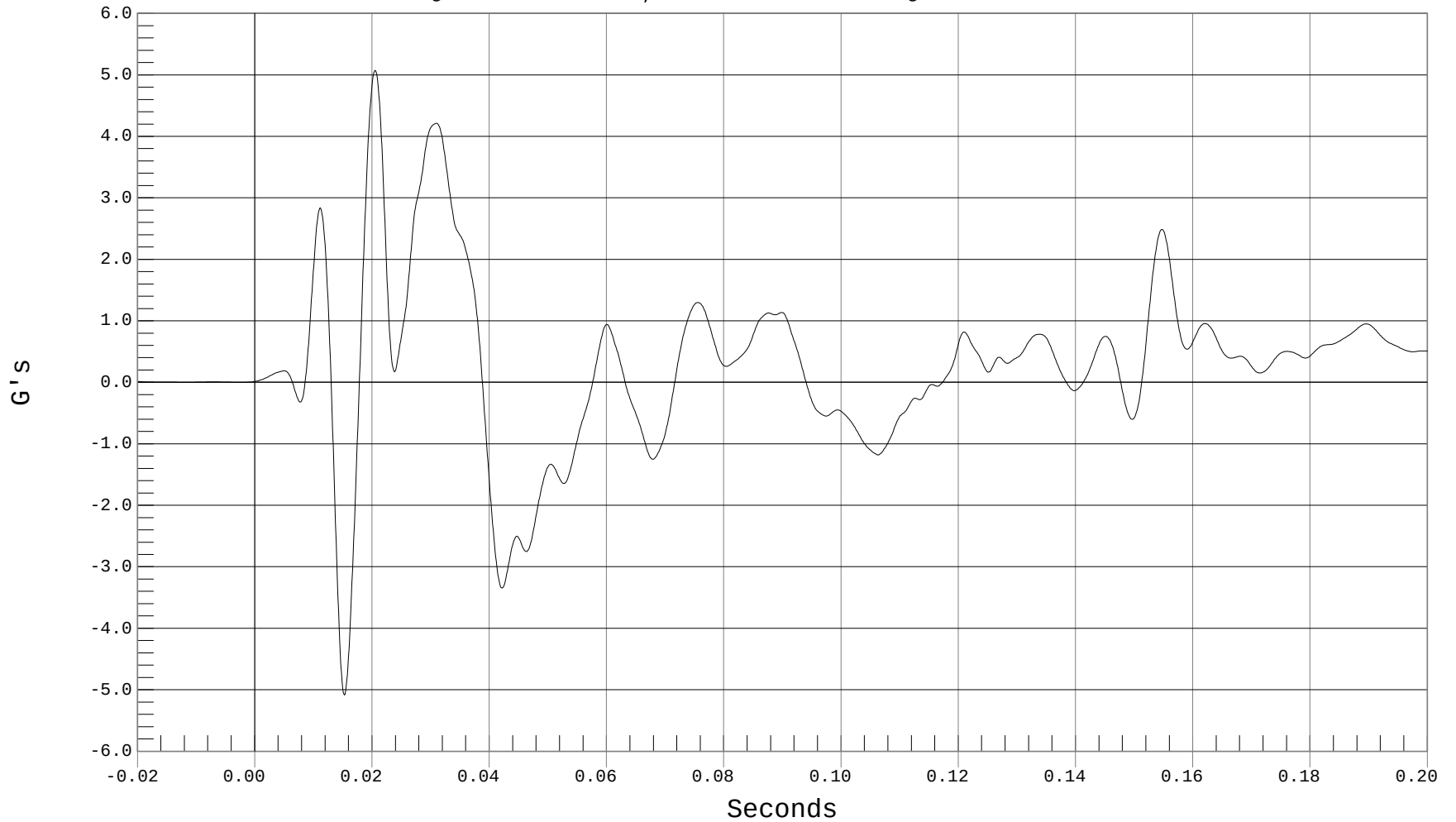
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 FLOORPAN @ REAR AXLE X, B01022AF.A23

Ymin = -5.09 G's @ 0.0152 Seconds, Ymax = 5.07 G's @ 0.0205 Seconds





REAR FLOORPAN ABOVE AXLE X VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

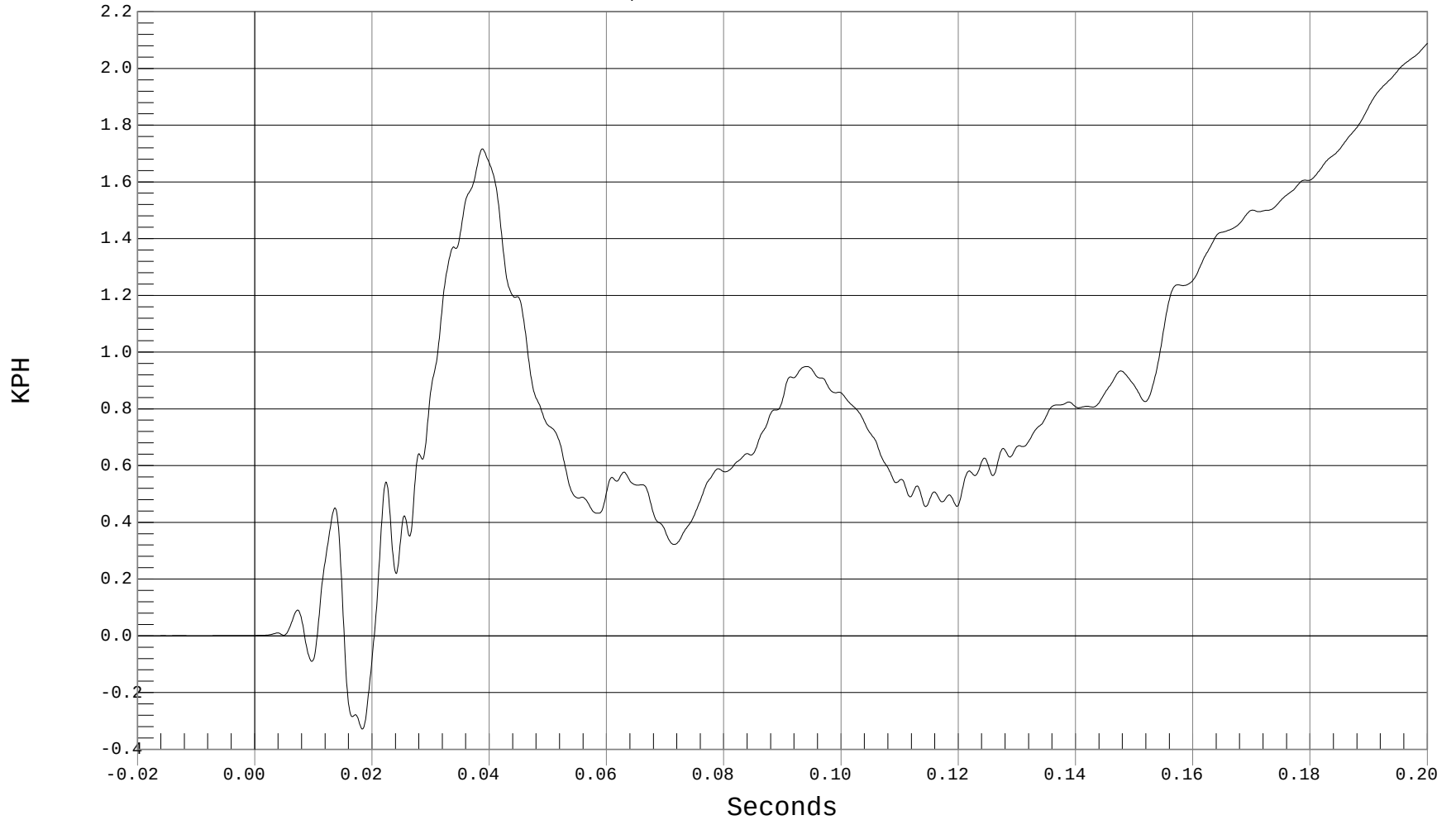
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

1 REAR FLOORPAN ABOVE AXLE X VELOCITY, B01022AI.V23

Ymin = -.33 KPH @ 0.0183 Seconds, Ymax = 2.09 KPH @ 0.2000 Seconds





REAR FLOORPAN ABOVE AXLE Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

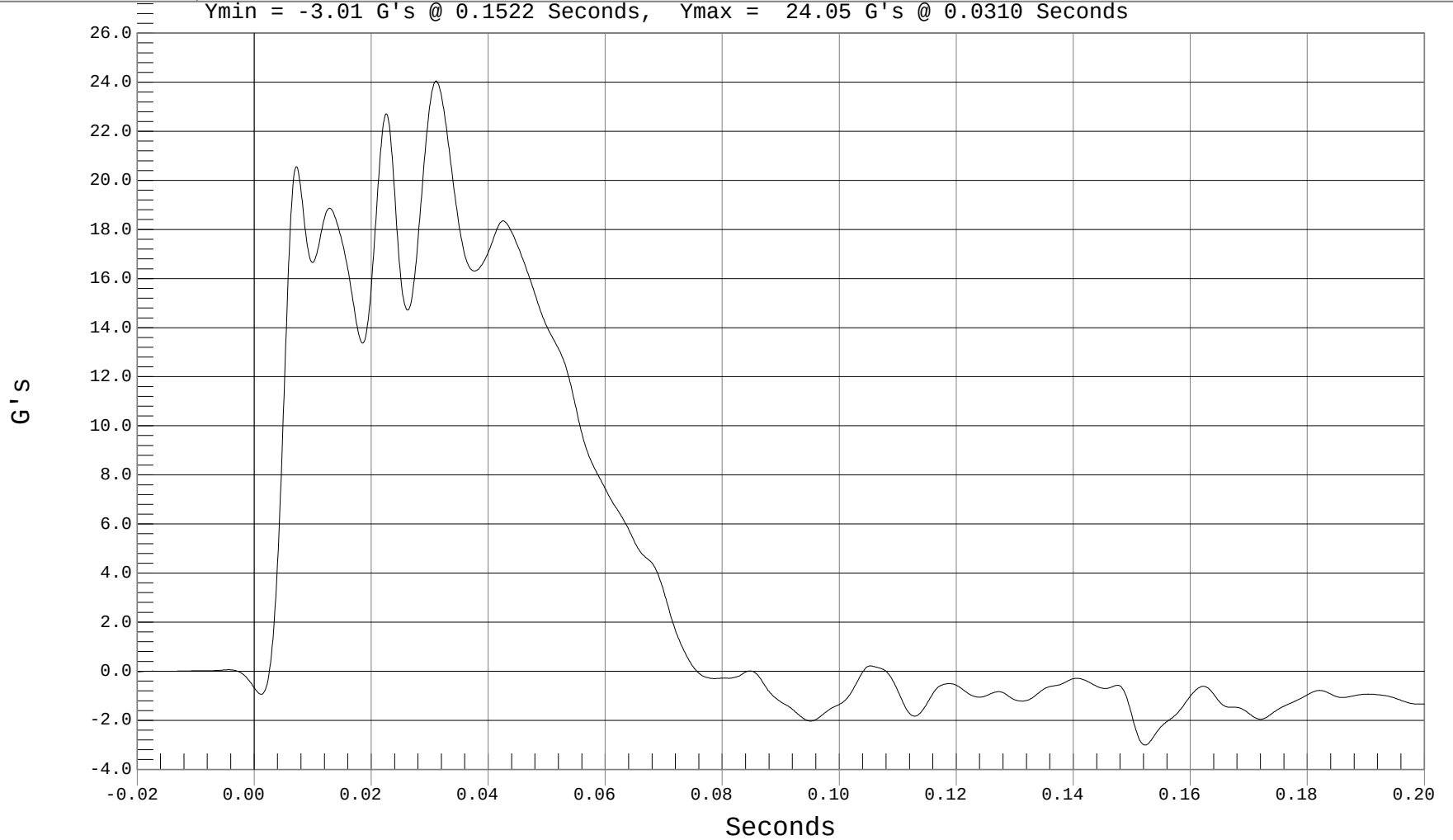
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 FLOORPAN @ REAR AXLE Y, B01022AF.A24

Ymin = -3.01 G's @ 0.1522 Seconds, Ymax = 24.05 G's @ 0.0310 Seconds





REAR FLOORPAN ABOVE AXLE Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

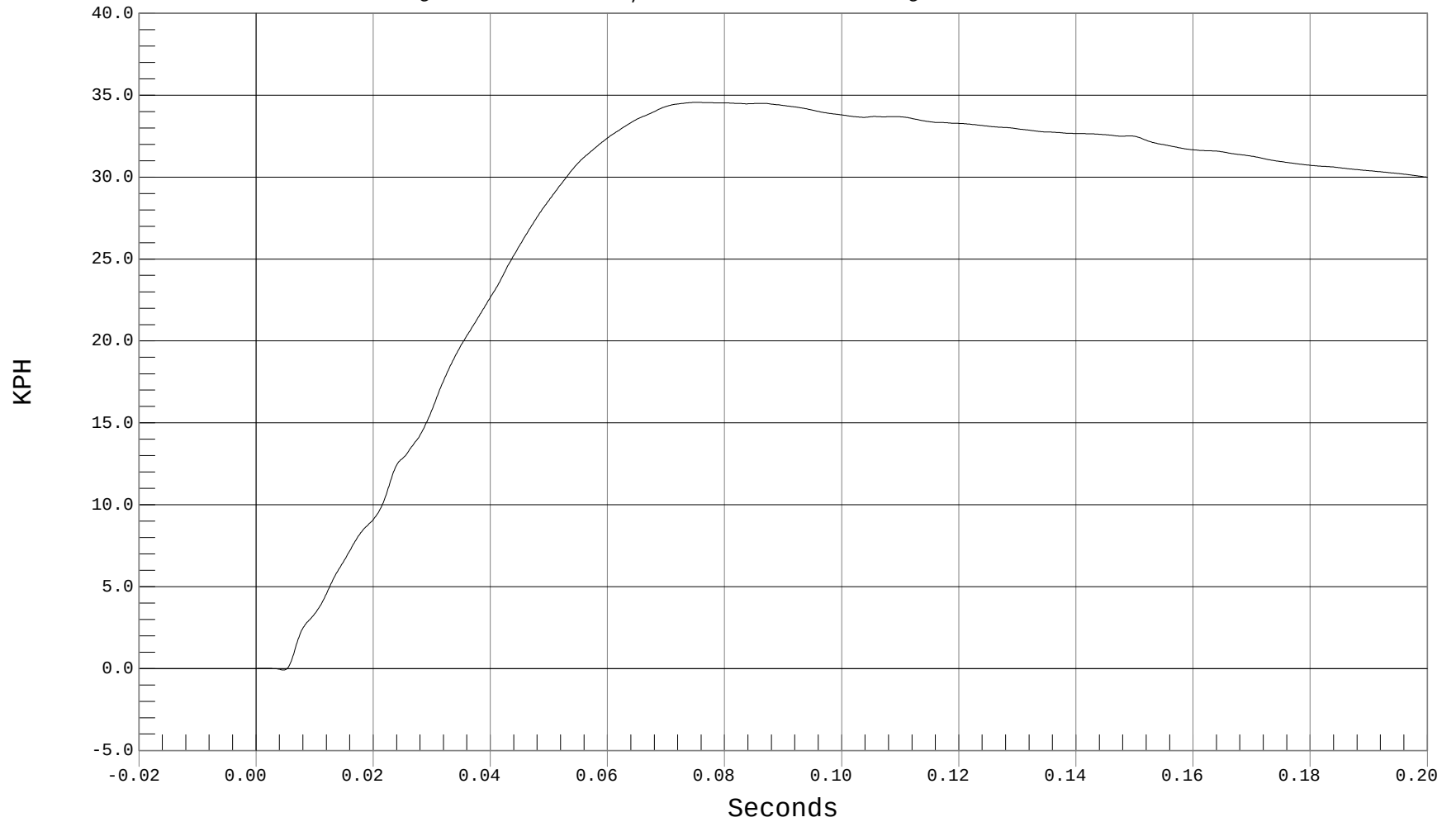
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 REAR FLOORPAN ABOVE AXLE Y VELOCITY, B01022AI.V24

Ymin = -.09 KPH @ 0.0046 Seconds, Ymax = 34.56 KPH @ 0.0749 Seconds





REAR FLOORPAN ABOVE AXLE Z ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

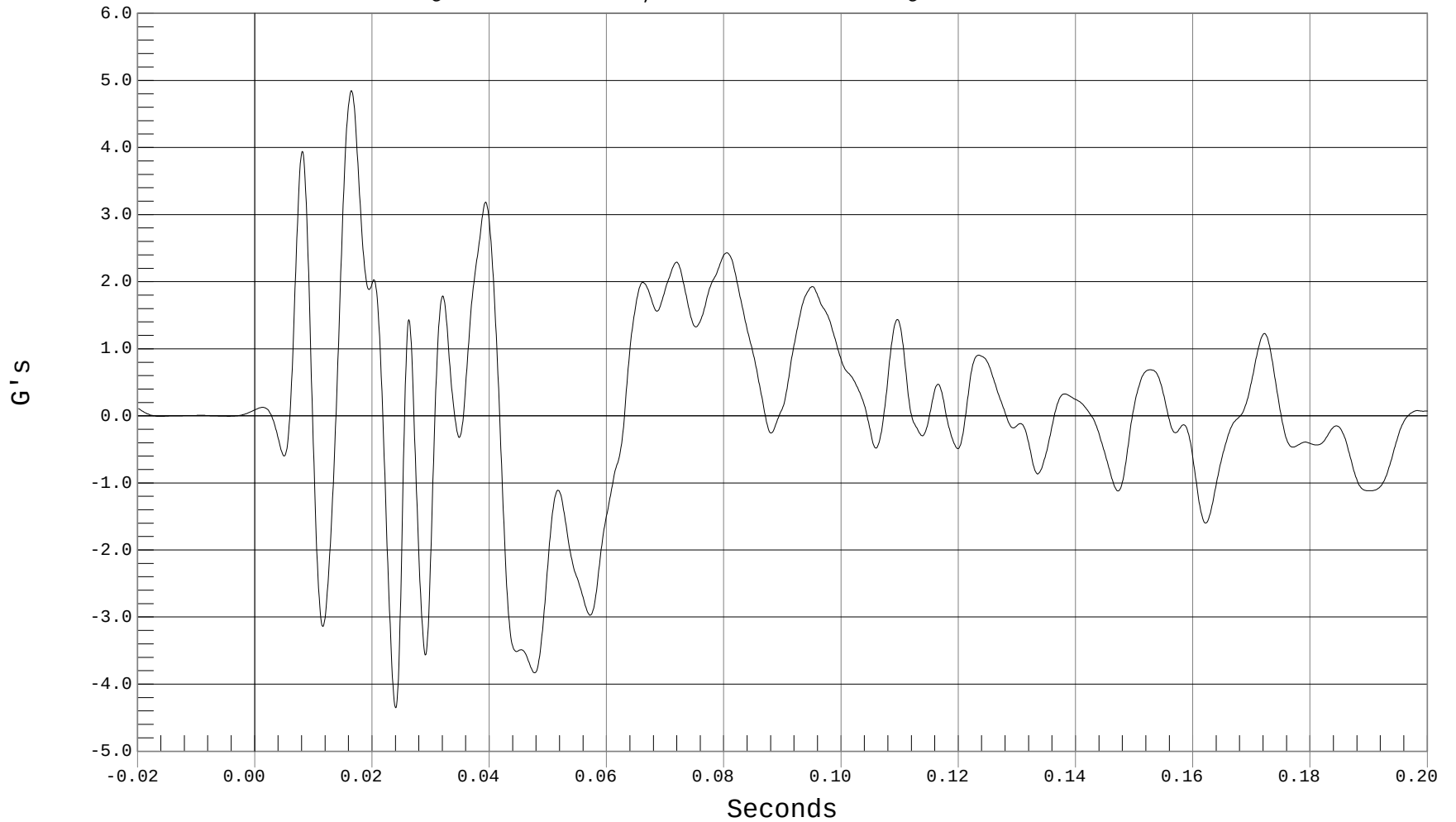
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 FLOORPAN @ REAR AXLE Z, B01022AF.A25

Ymin = -4.35 G's @ 0.0240 Seconds, Ymax = 4.85 G's @ 0.0164 Seconds





REAR FLOORPAN ABOVE AXLE Z VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

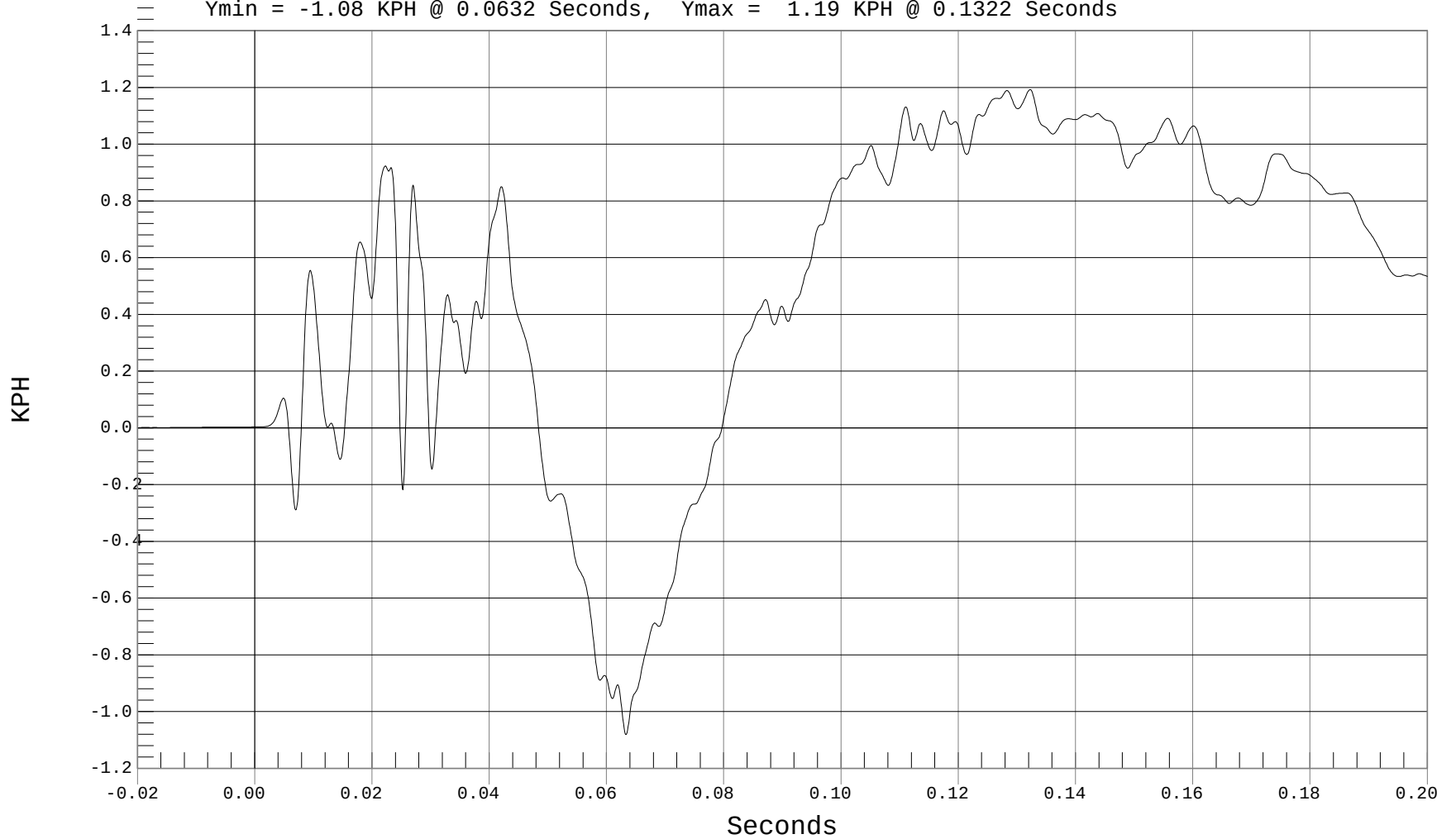
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

1 REAR FLOORPAN ABOVE AXLE Z VELOCITY, B01022AI.V25

Ymin = -1.08 KPH @ 0.0632 Seconds, Ymax = 1.19 KPH @ 0.1322 Seconds





REAR FLOORPAN ABOVE AXLE RESULTANT ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

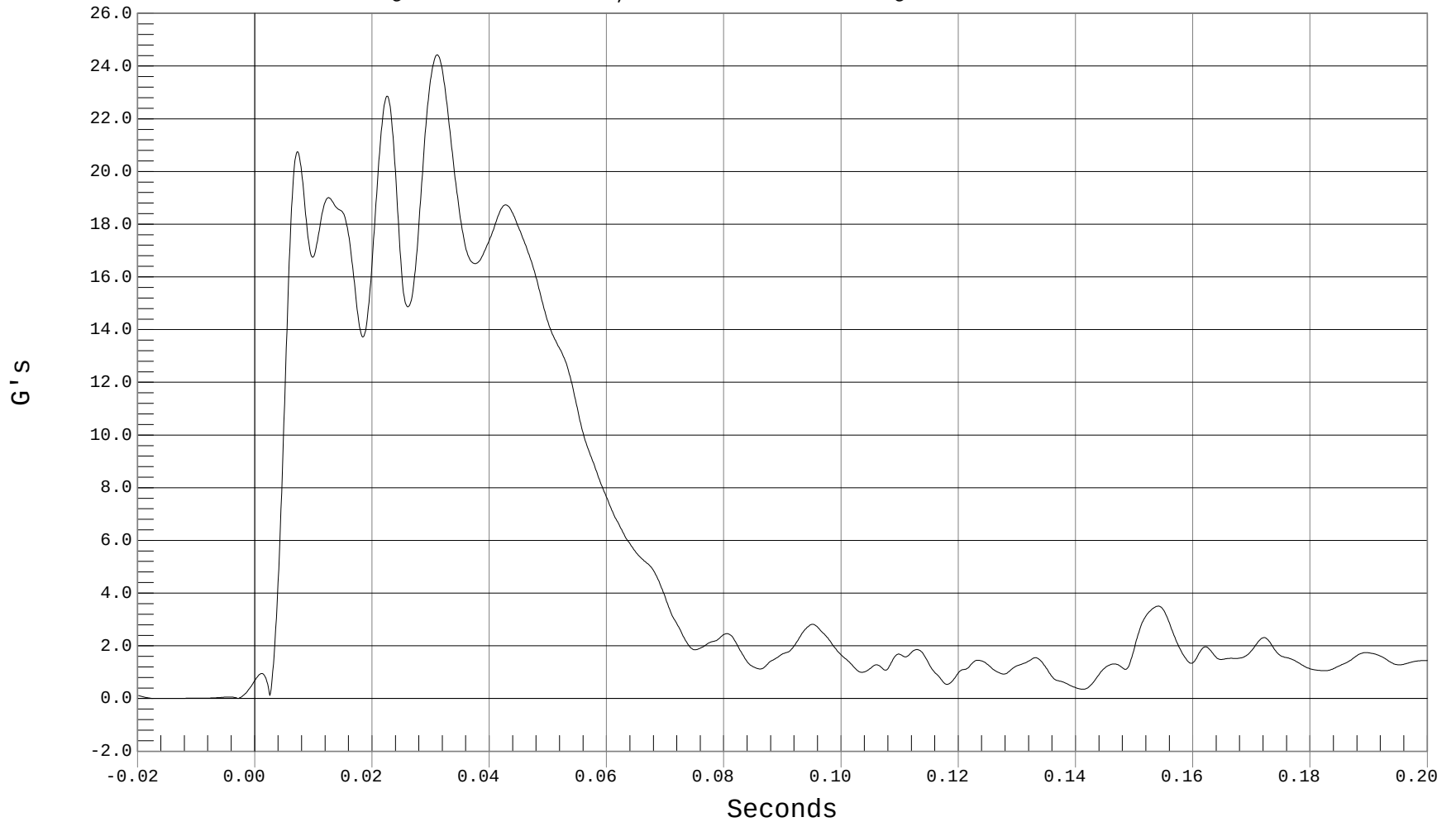
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 60

1 REAR FLOORPAN ABOVE AXLE RESULTANT ACCELERATION, B01022AV.A23

Ymin = 0 G's @ -0.0139 Seconds, Ymax = 24.43 G's @ 0.0310 Seconds





RIGHT REAR OCCUPANT COMPARTMENT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

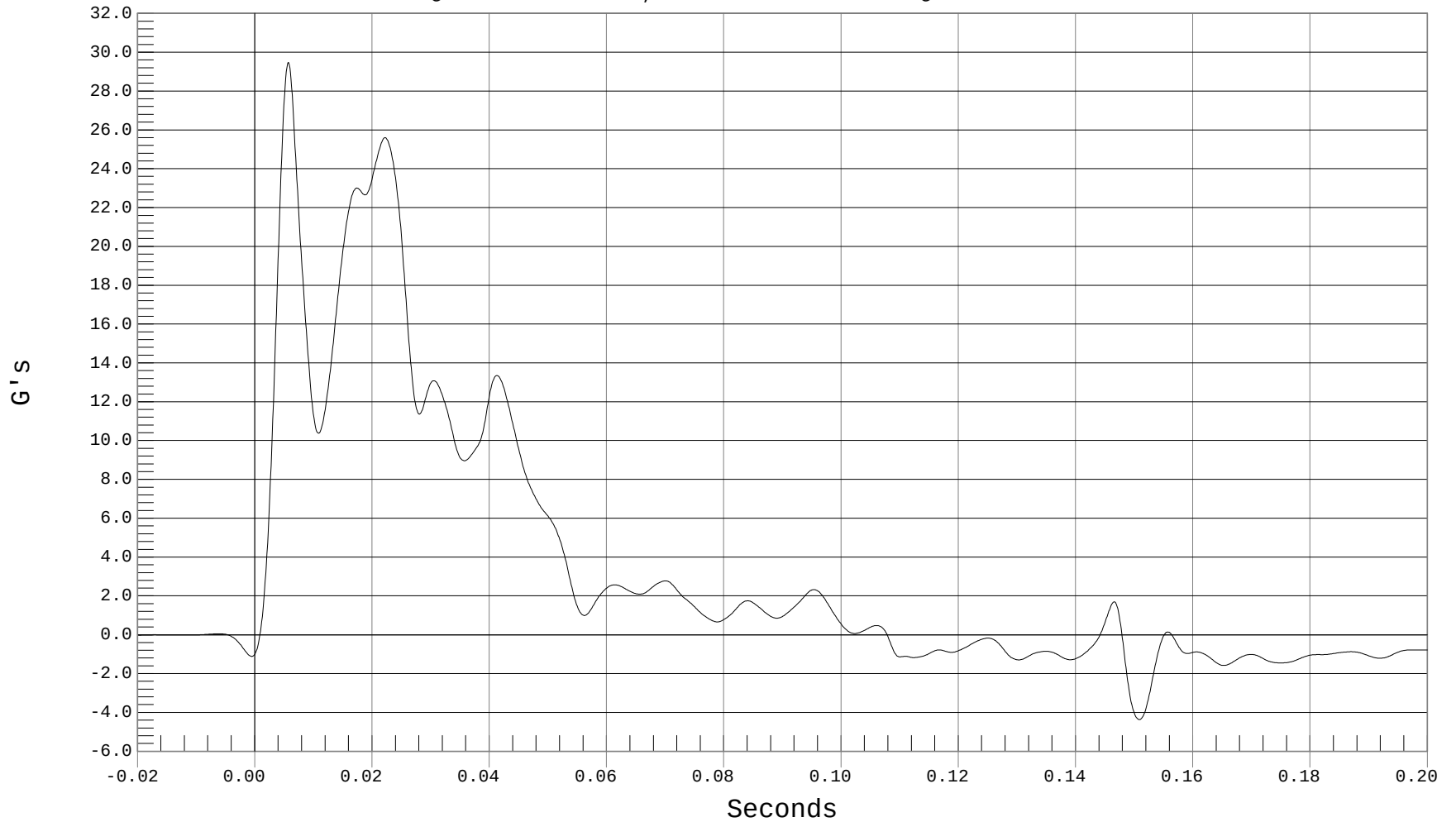
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 RIGHT REAR OCCUPANT COMPARTMENT Y, B01022AF.A31

Ymin = -4.37 G's @ 0.1508 Seconds, Ymax = 29.47 G's @ 0.0056 Seconds





RIGHT REAR OCCUPANT COMPARTMENT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

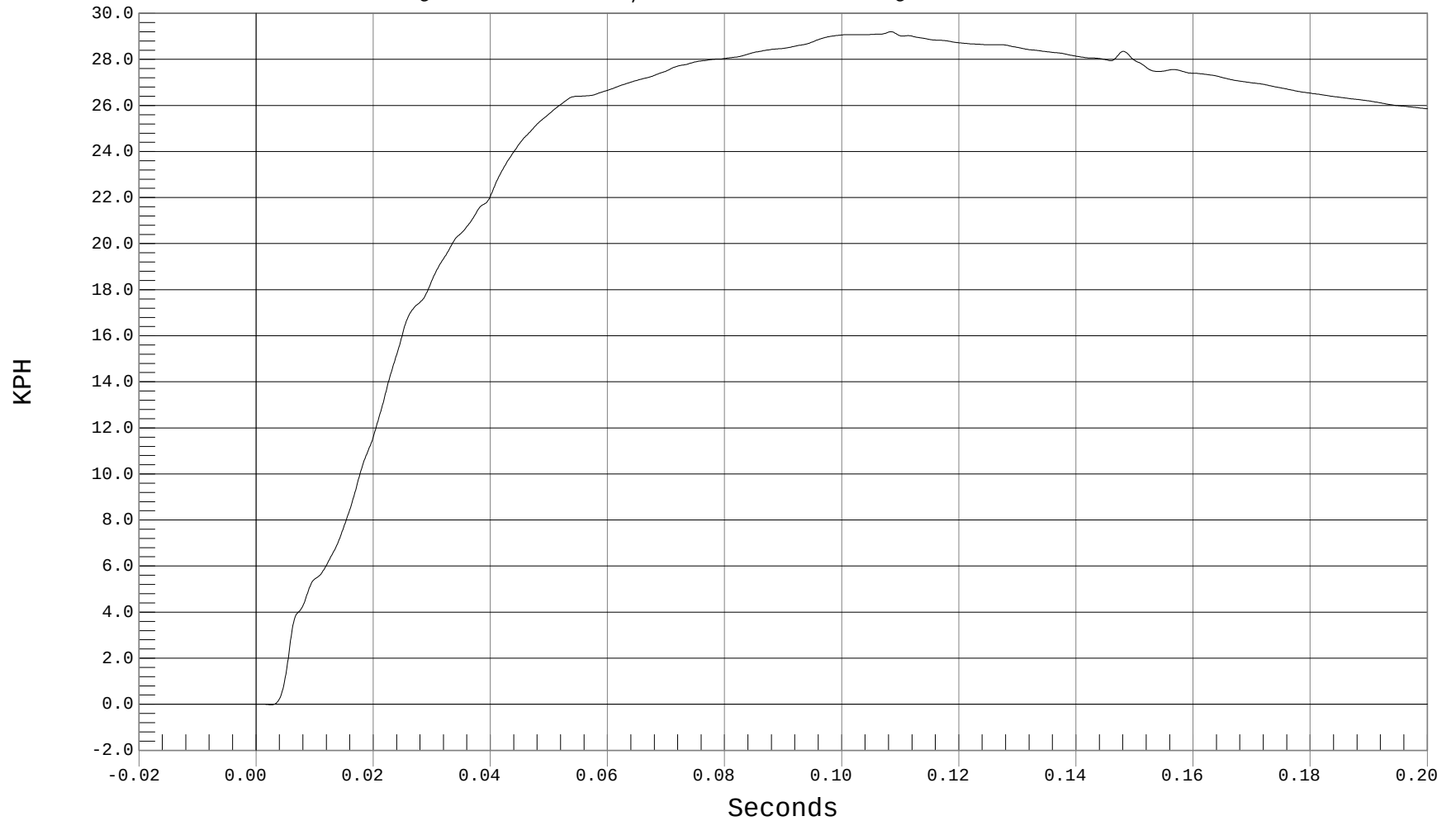
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 RIGHT REAR OCCUPANT COMPARTMENT Y VELOCITY, B01022AI.V31

Ymin = -.02 KPH @ 0.0025 Seconds, Ymax = 29.2 KPH @ 0.1083 Seconds





LEFT LOWER A-POST Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

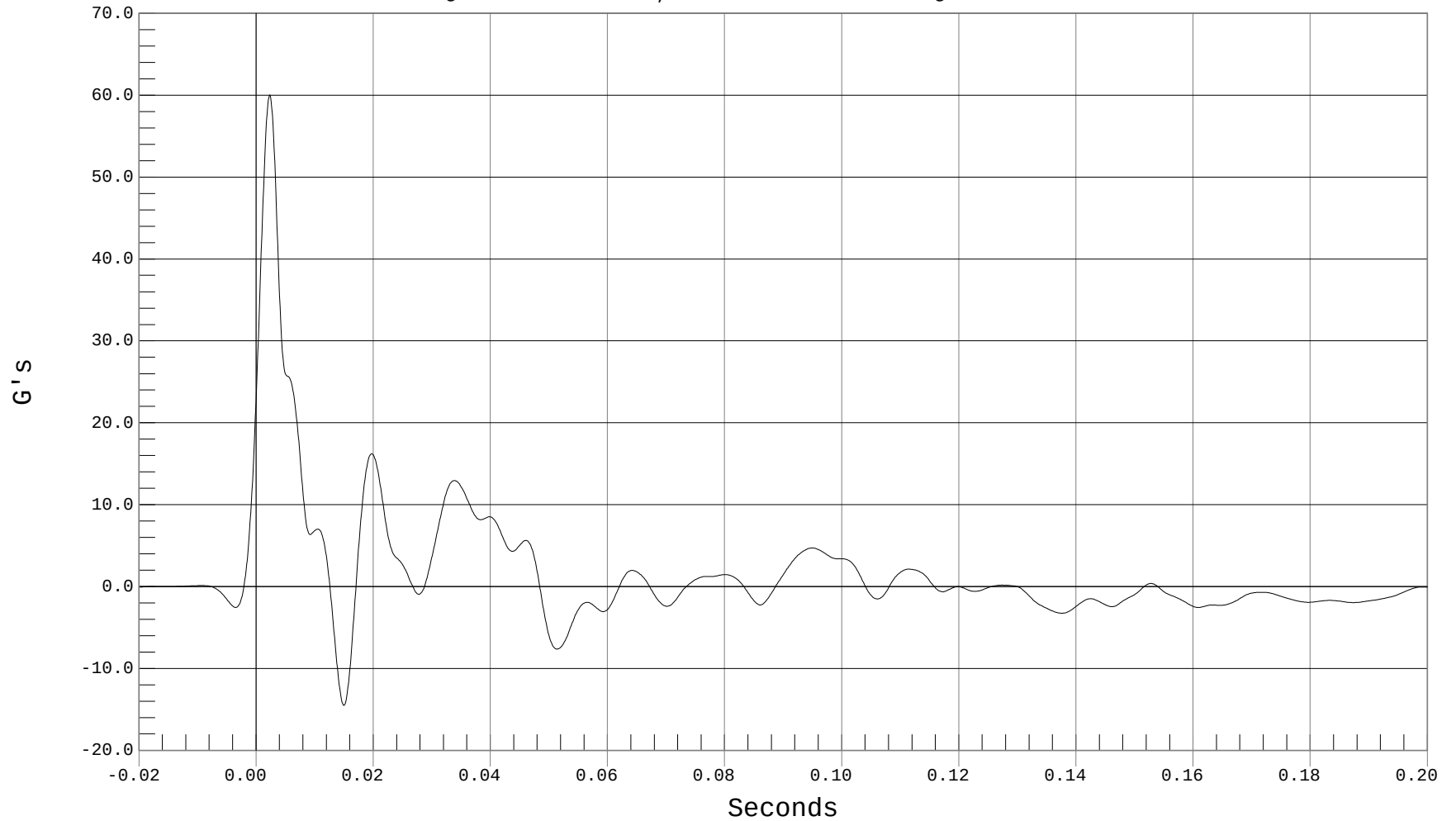
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 60

1 LEFT LOWER A-POST Y, B01022AF.A27

Ymin = -14.51 G's @ 0.0149 Seconds, Ymax = 60.03 G's @ 0.0022 Seconds





LEFT LOWER A-POST Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

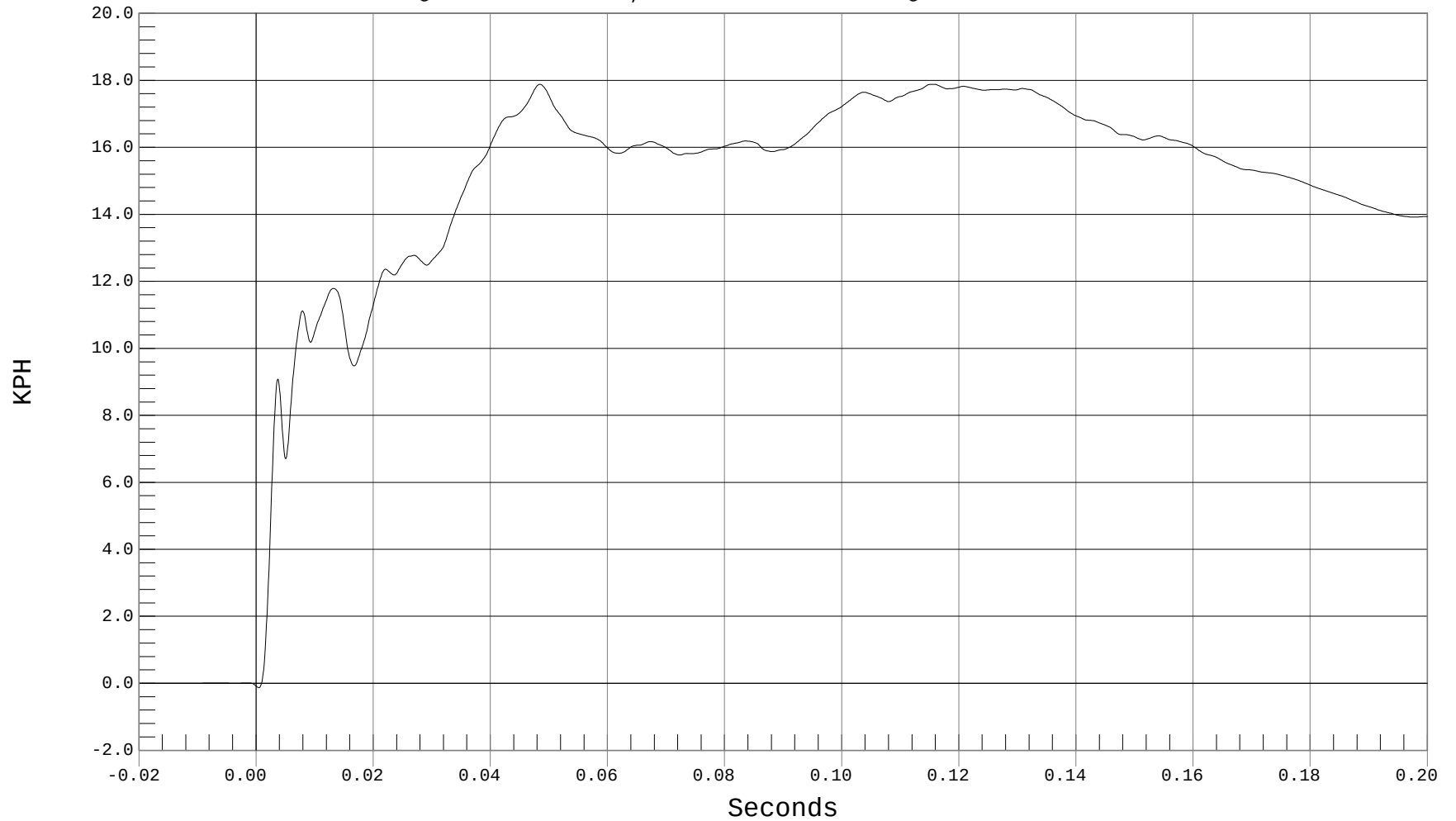
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 LEFT LOWER A-POST Y VELOCITY, B01022AI.V27

Ymin = -.13 KPH @ 0.0004 Seconds, Ymax = 17.88 KPH @ 0.1157 Seconds





LEFT MID A-POST Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

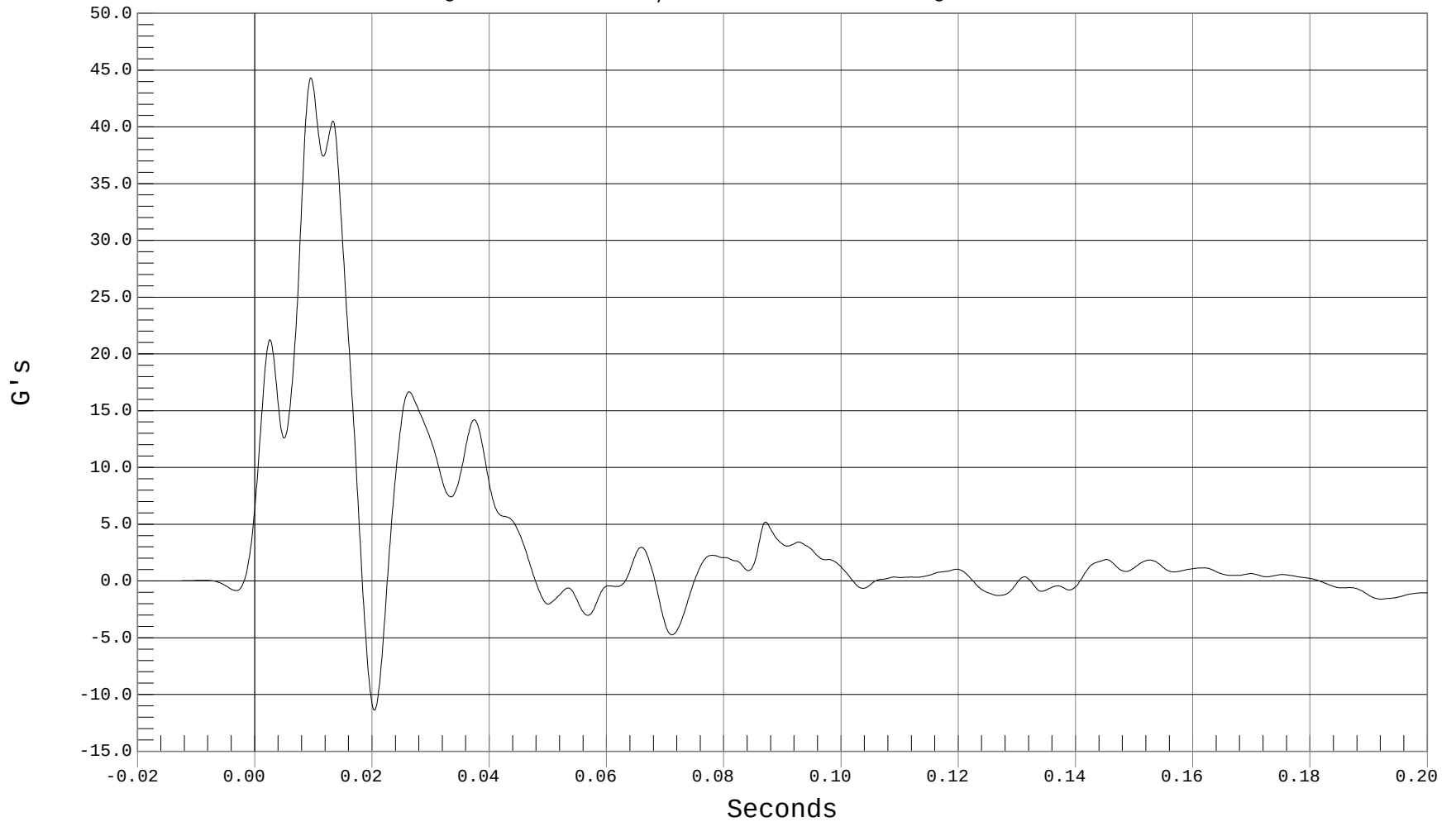
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 60

— 1 LEFT MID A-POST Y, B01022AF.A26

Ymin = -11.38 G's @ 0.0203 Seconds, Ymax = 44.33 G's @ 0.0095 Seconds





LEFT MID A-POST Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

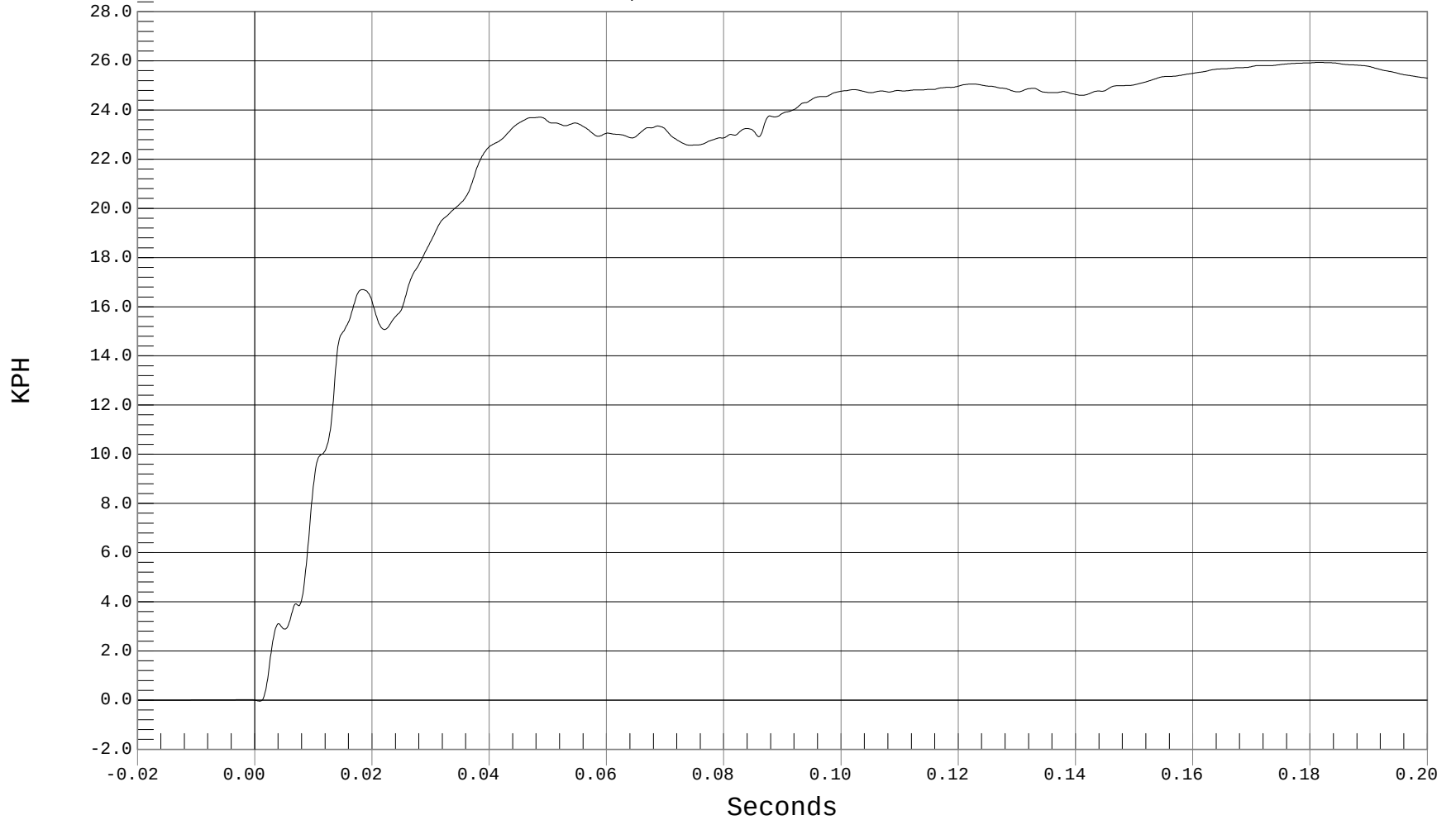
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 LEFT MID A-POST Y VELOCITY, B01022AI.V26

Ymin = -.05 KPH @ 0.0008 Seconds, Ymax = 25.94 KPH @ 0.1814 Seconds





LEFT LOWER B-POST Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

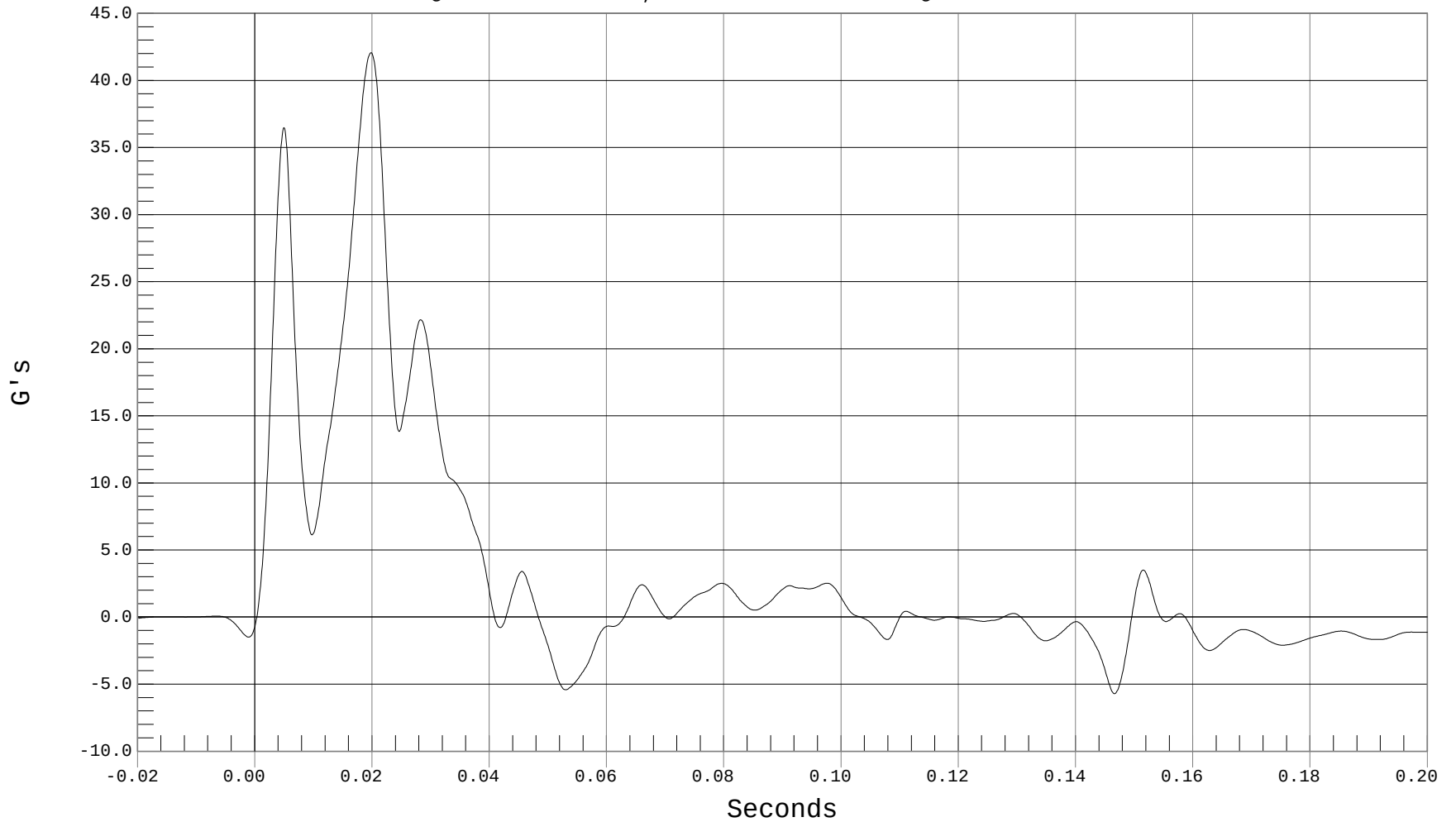
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 LEFT LOWER B-POST, B01022AF.A29

Ymin = -5.71 G's @ 0.1466 Seconds, Ymax = 42.06 G's @ 0.0197 Seconds





LEFT LOWER B-POST Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

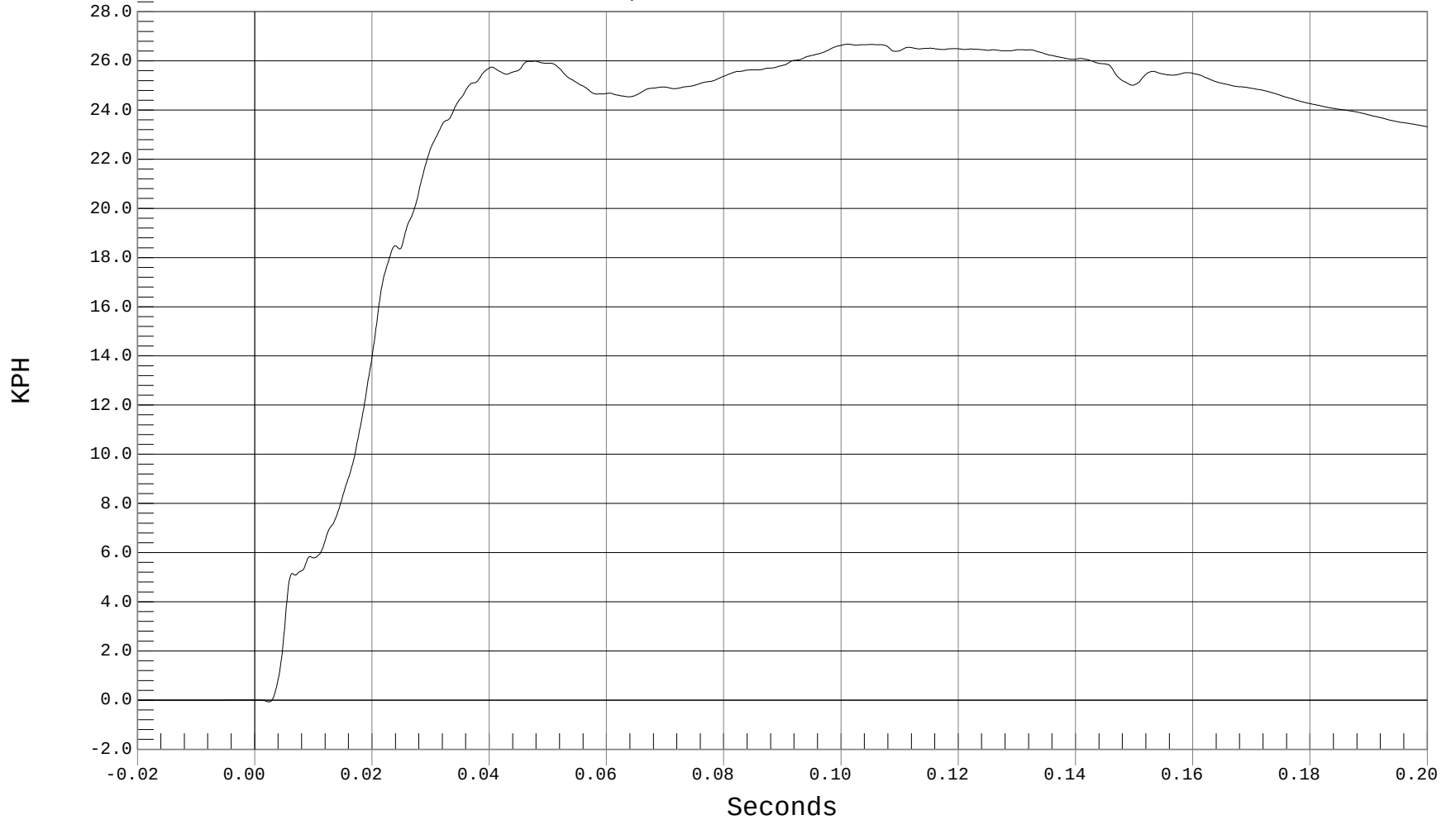
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 LEFT LOWER B-POST Y VELOCITY, B01022AI.V29

Ymin = -.08 KPH @ 0.0023 Seconds, Ymax = 26.68 KPH @ 0.1010 Seconds





LEFT MID B-POST Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

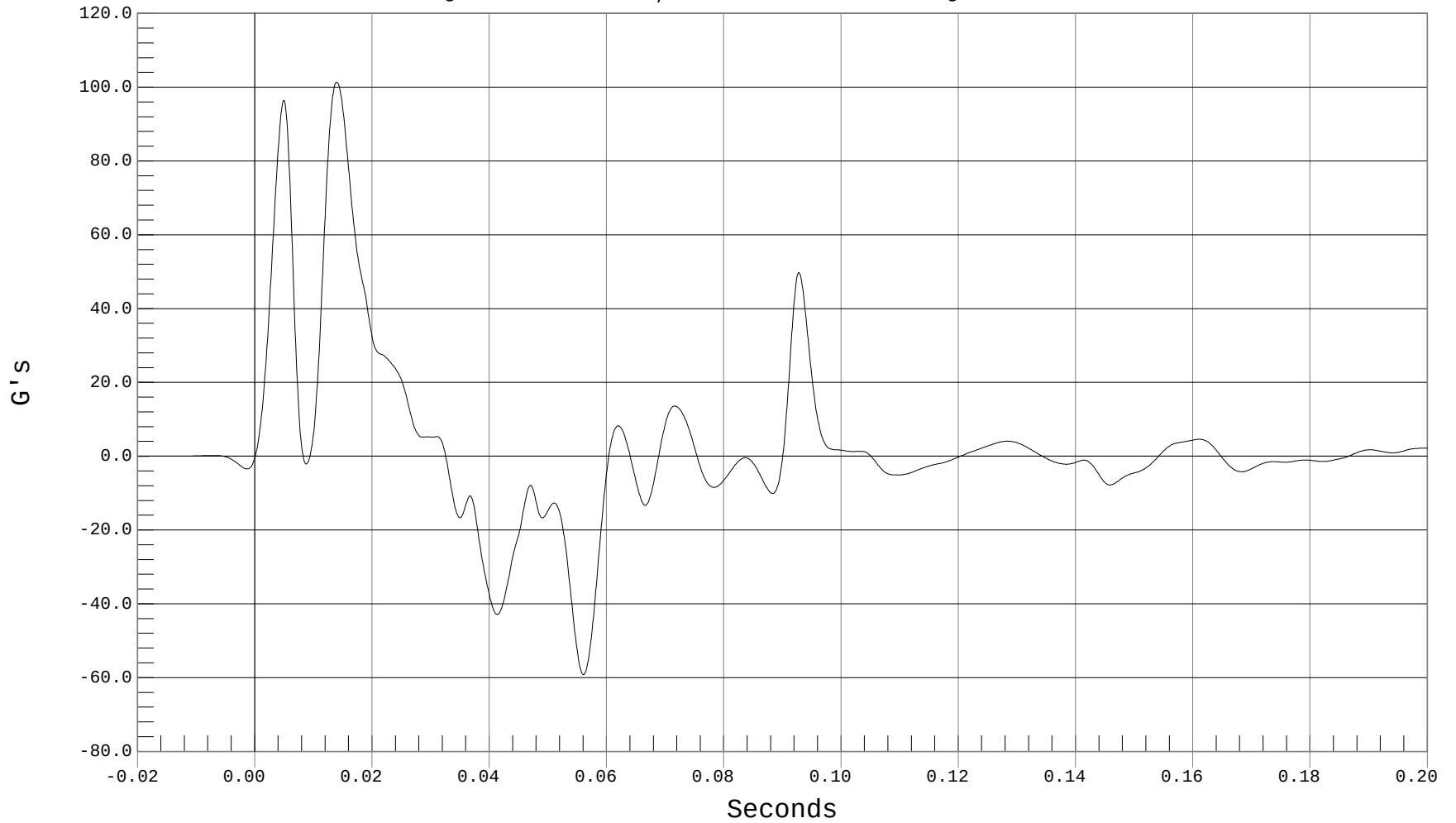
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 60

1 LEFT MID B-POST, B01022AF.A28

Ymin = -59.22 G's @ 0.0560 Seconds, Ymax = 101.35 G's @ 0.0139 Seconds





LEFT MID B-POST Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

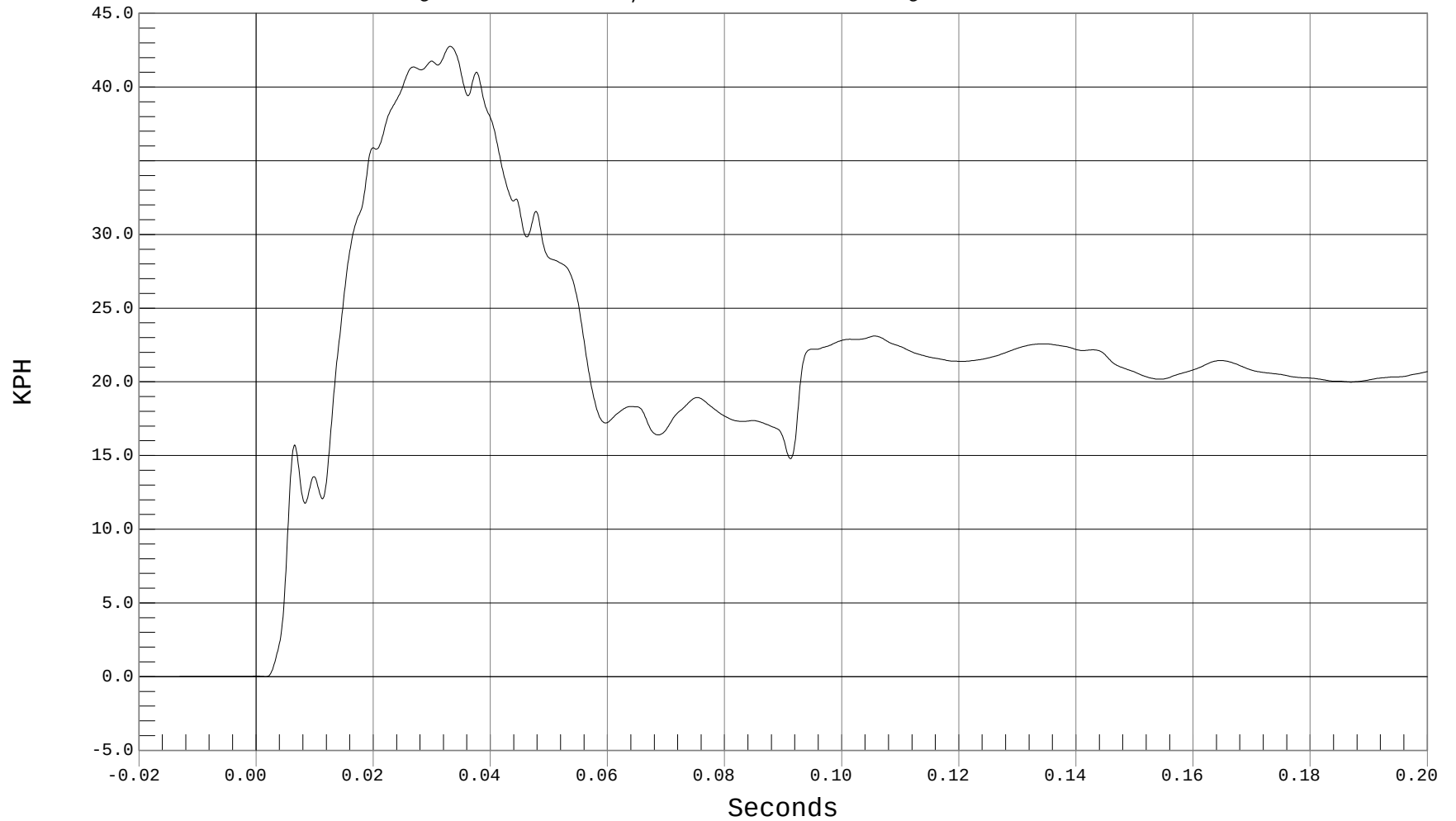
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 LEFT MID B-POST Y VELOCITY, B01022AI.V28

Ymin = -.01 KPH @ 0.0015 Seconds, Ymax = 42.76 KPH @ 0.0331 Seconds





VEHICLE CG X ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

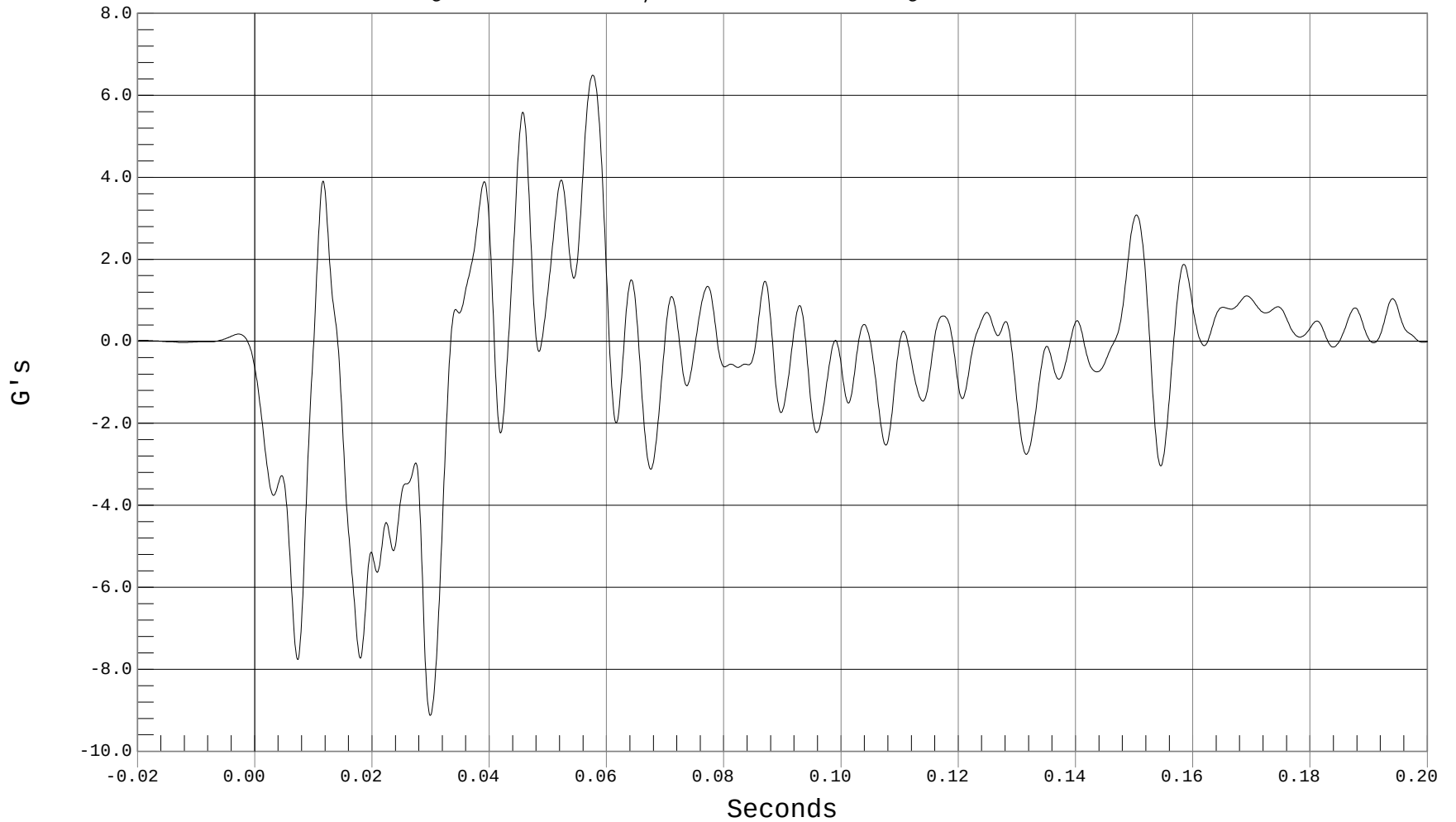
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 VEHICLE CG X, B01022AF.A33

Ymin = -9.13 G's @ 0.0299 Seconds, Ymax = 6.49 G's @ 0.0576 Seconds





VEHICLE CG X VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

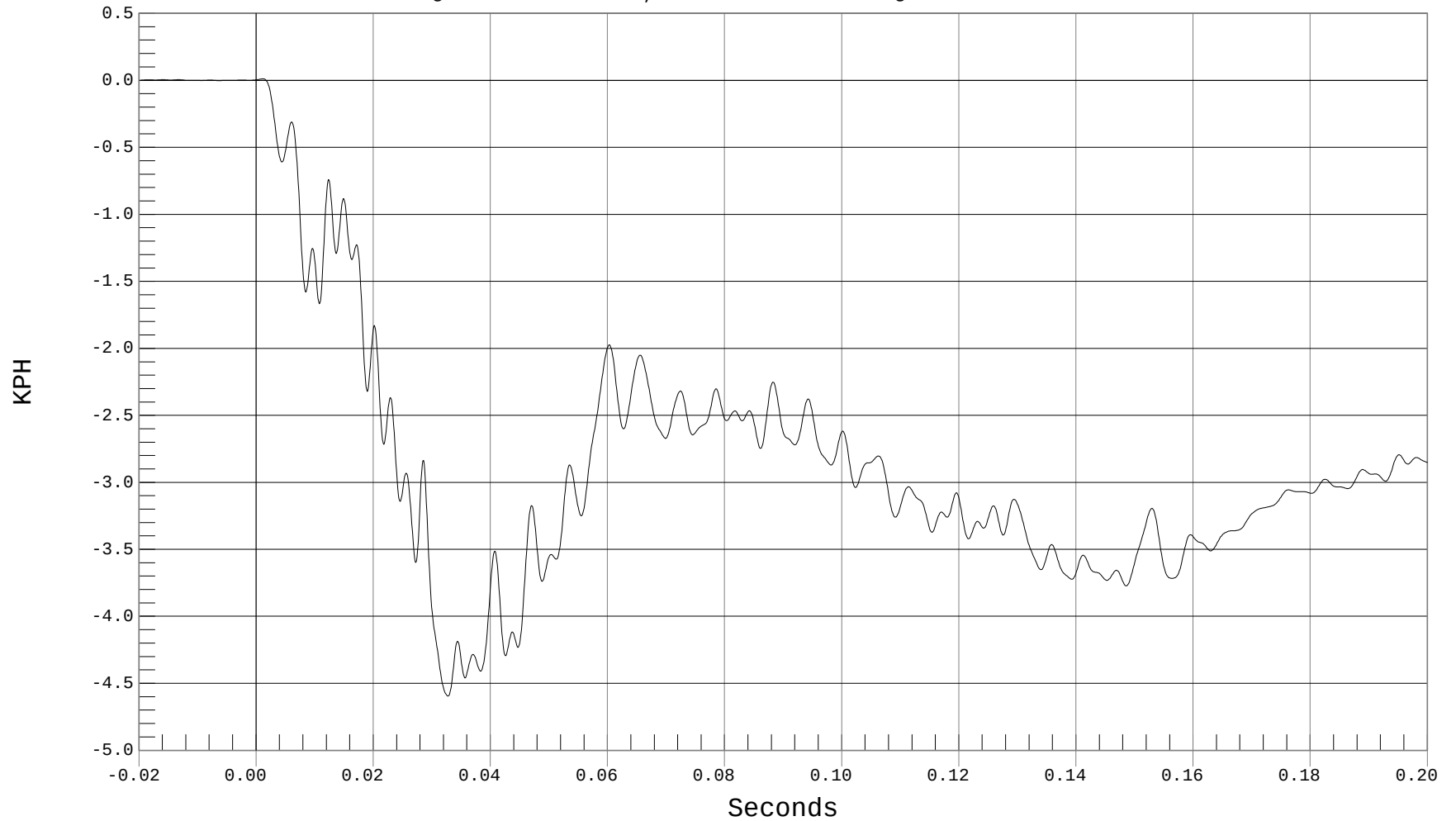
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 VEHICLE CG X VELOCITY, B01022AI.V33

Ymin = -4.59 KPH @ 0.0327 Seconds, Ymax = .01 KPH @ 0.0011 Seconds





VEHICLE CG Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

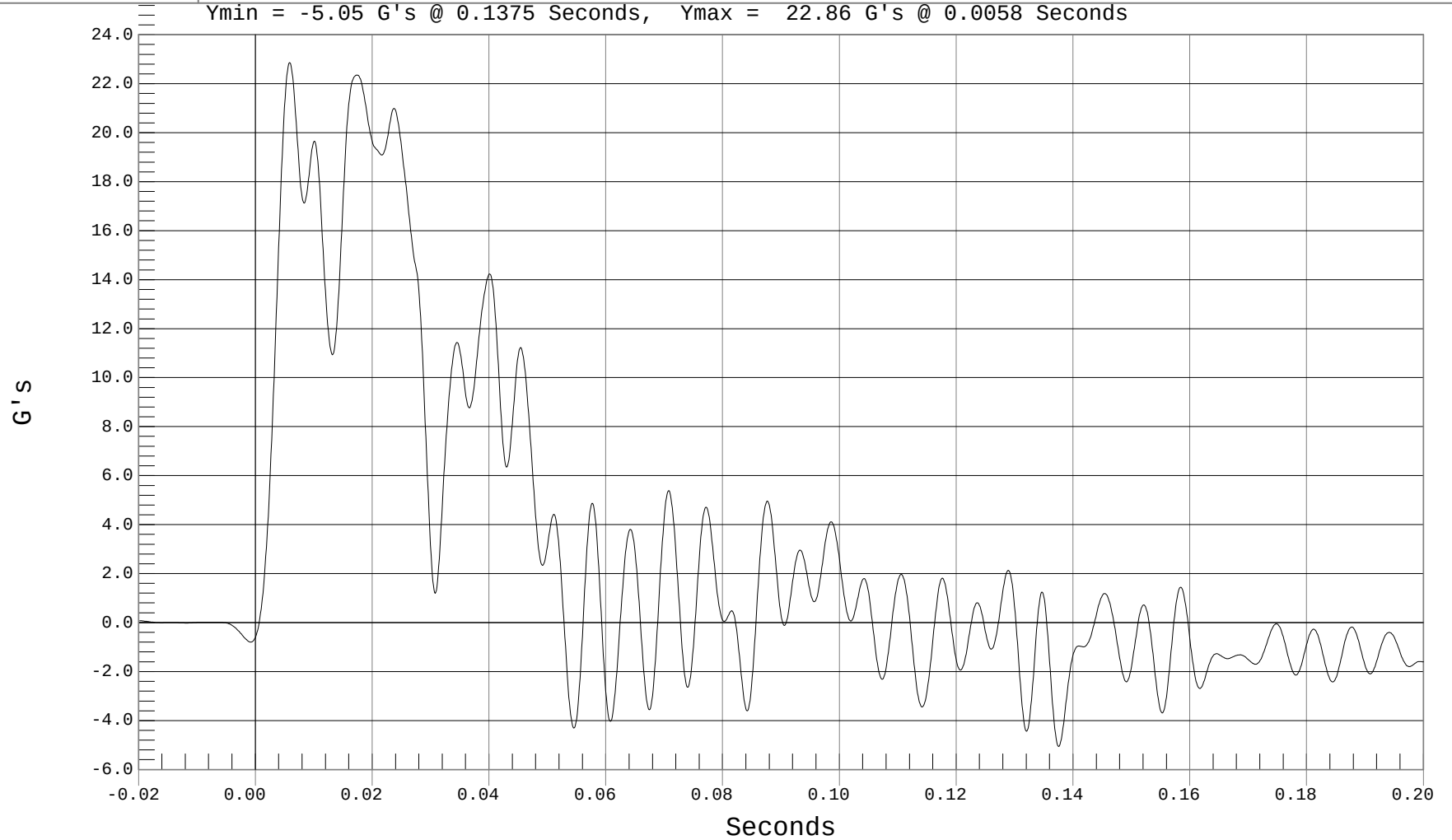
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 VEHICLE CG Y, B01022AF.A34

Ymin = -5.05 G's @ 0.1375 Seconds, Ymax = 22.86 G's @ 0.0058 Seconds





VEHICLE CG Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

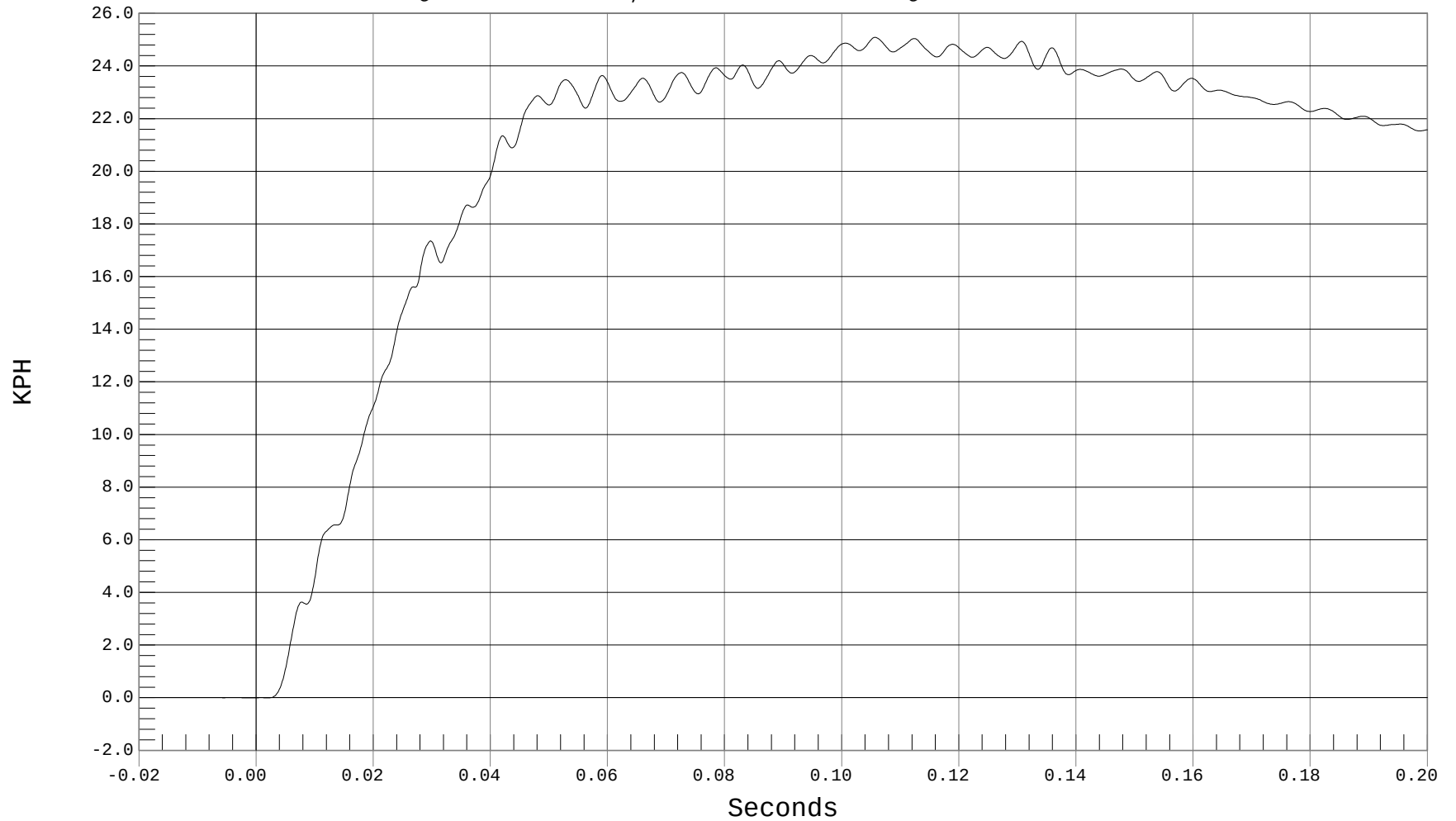
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 VEHICLE CG Y VELOCITY, B01022AI.V34

Ymin = -.01 KPH @ 0.0020 Seconds, Ymax = 25.09 KPH @ 0.1056 Seconds





VEHICLE CG Z ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

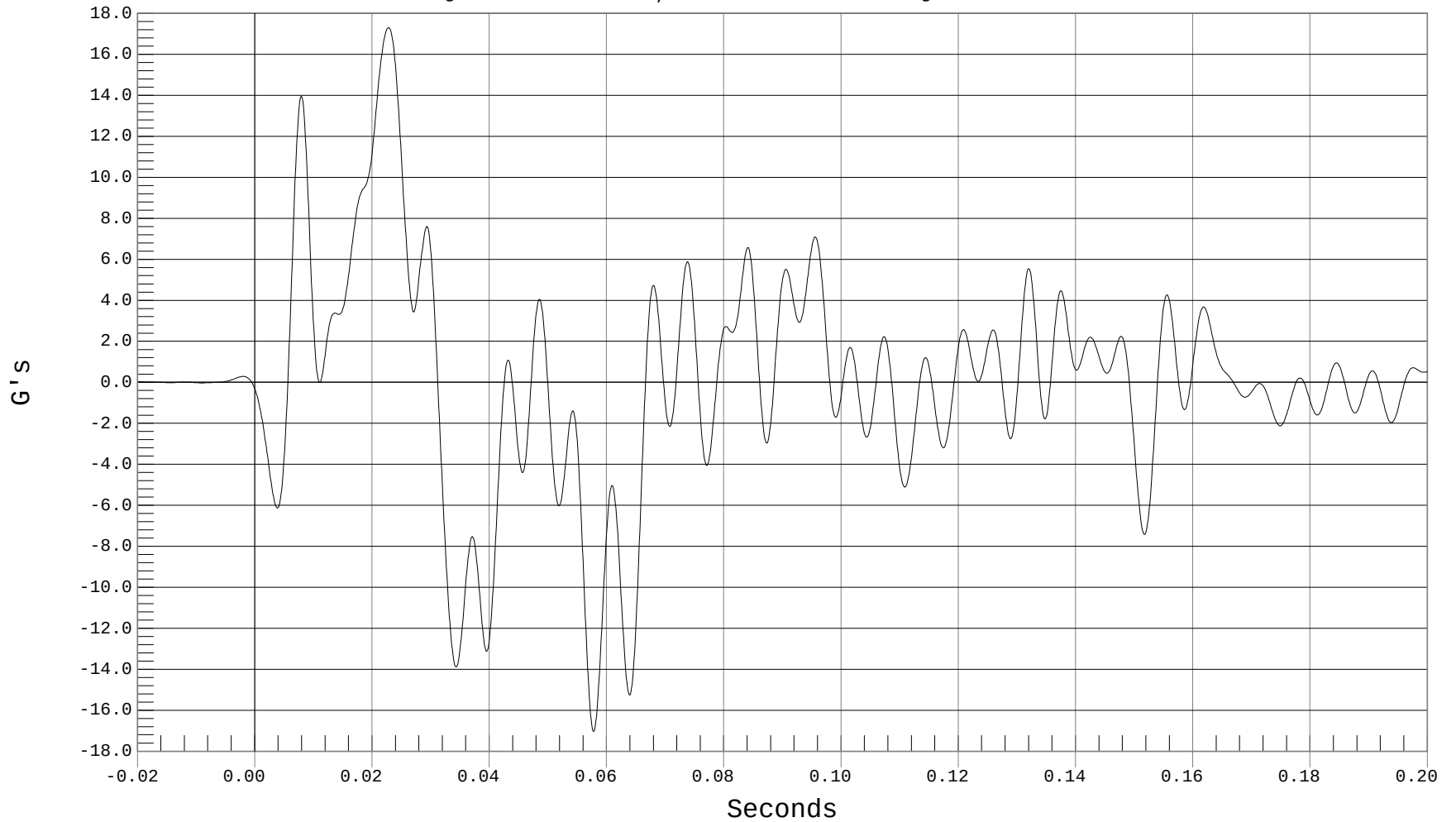
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 VEHICLE CG Z, B01022AF.A35

Ymin = -17.04 G's @ 0.0577 Seconds, Ymax = 17.3 G's @ 0.0227 Seconds





VEHICLE CG Z VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

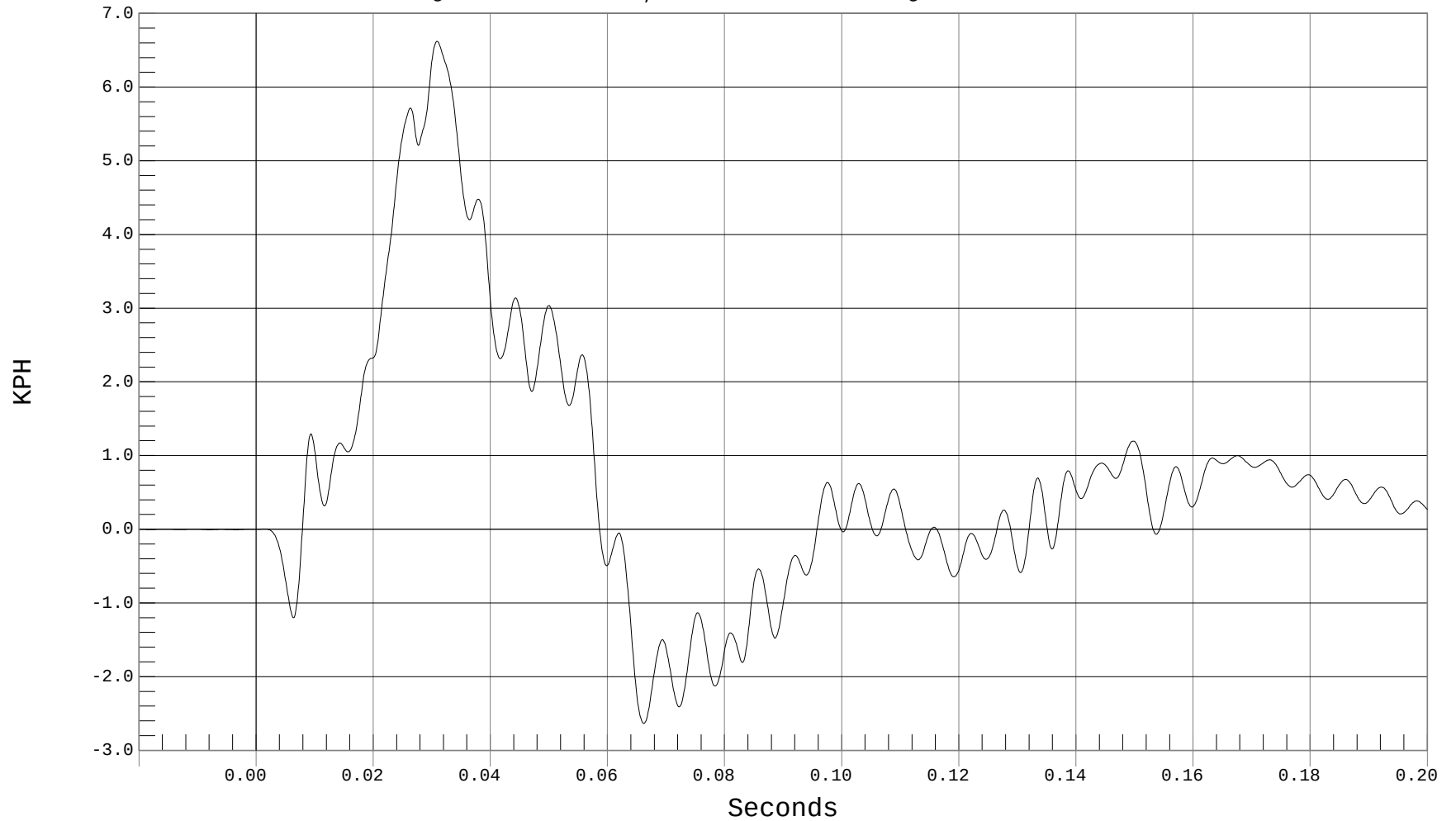
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 VEHICLE CG Z VELOCITY, B01022AI.V35

Ymin = -2.63 KPH @ 0.0661 Seconds, Ymax = 6.62 KPH @ 0.0308 Seconds





VEHICLE CG RESULTANT ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

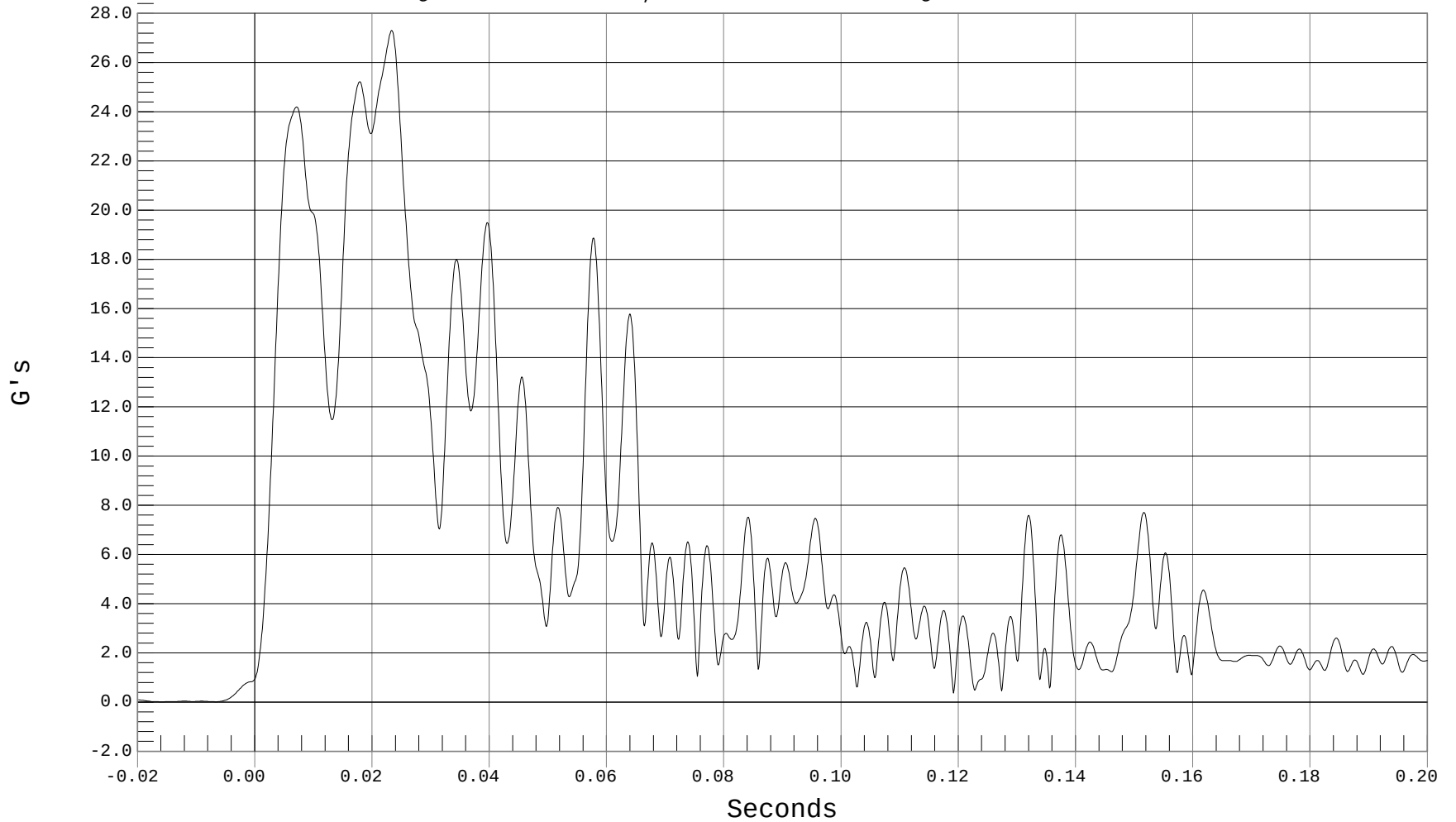
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 VEHICLE CG RESULTANT ACCELERATION, B01022AV.A33

Ymin = .01 G's @ -0.0159 Seconds, Ymax = 27.31 G's @ 0.0233 Seconds





MOVING BARRIER CG X ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

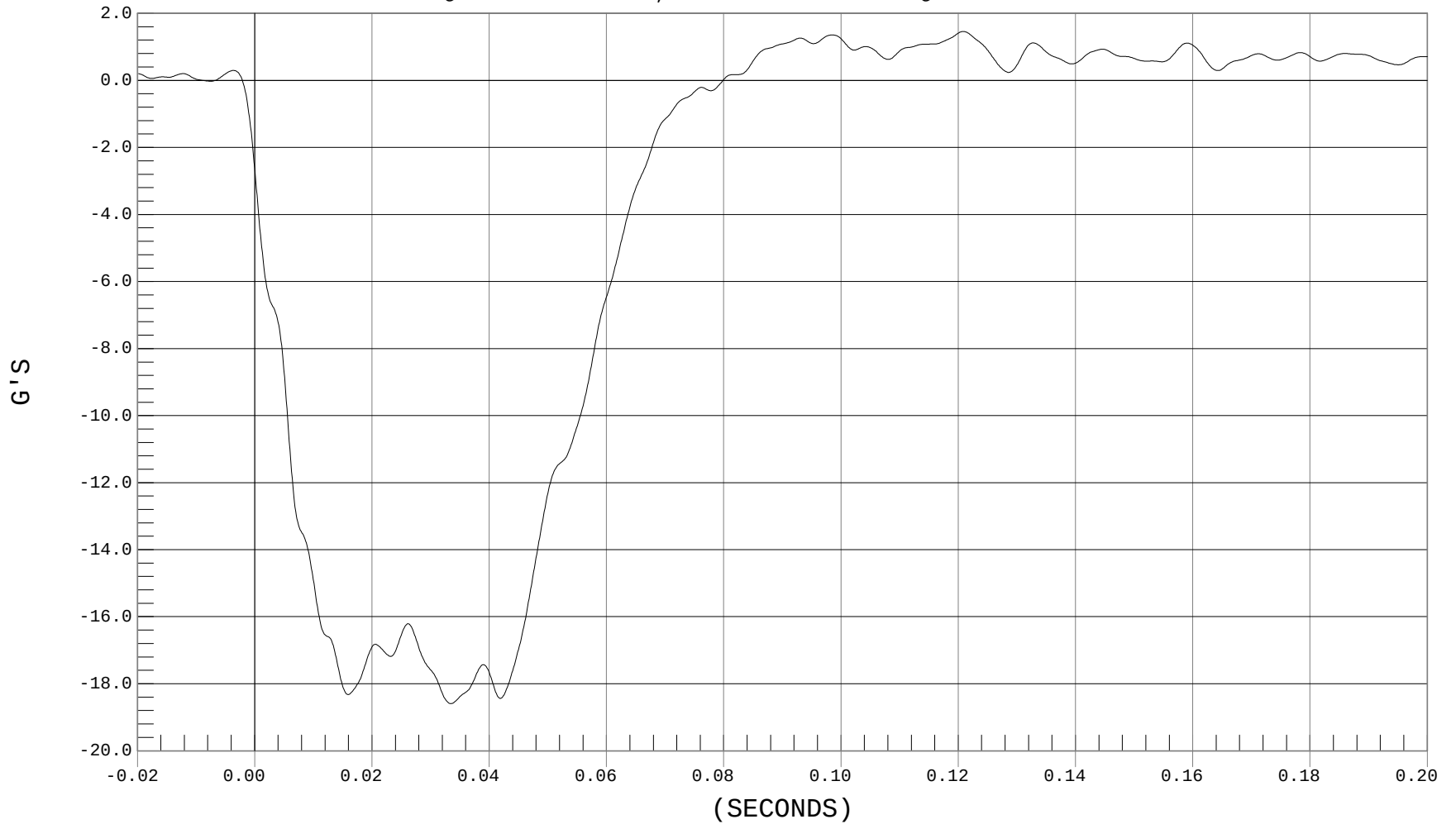
Other Info:

Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

Ymin = -18.59 G'S @ 0.0334 SECONDS, Ymax = 1.46 G'S @ 0.1208 SECONDS





MOVING BARRIER CG X VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

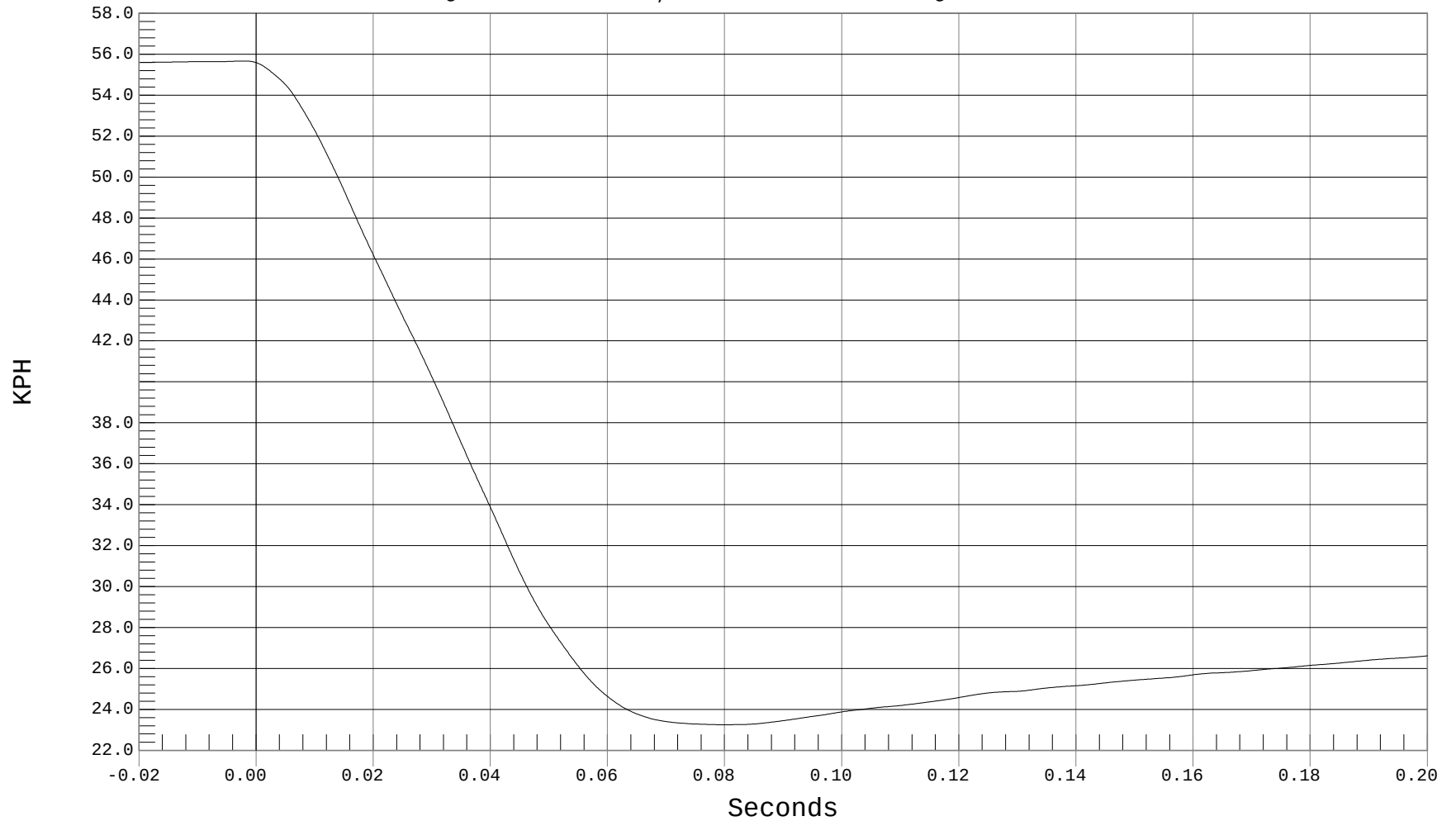
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 MOVING BARRIER CG X VELOCITY, B01022AI.V02

Ymin = 23.25 KPH @ 0.0798 Seconds, Ymax = 55.67 KPH @ -0.0022 Seconds





MOVING BARRIER CG Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

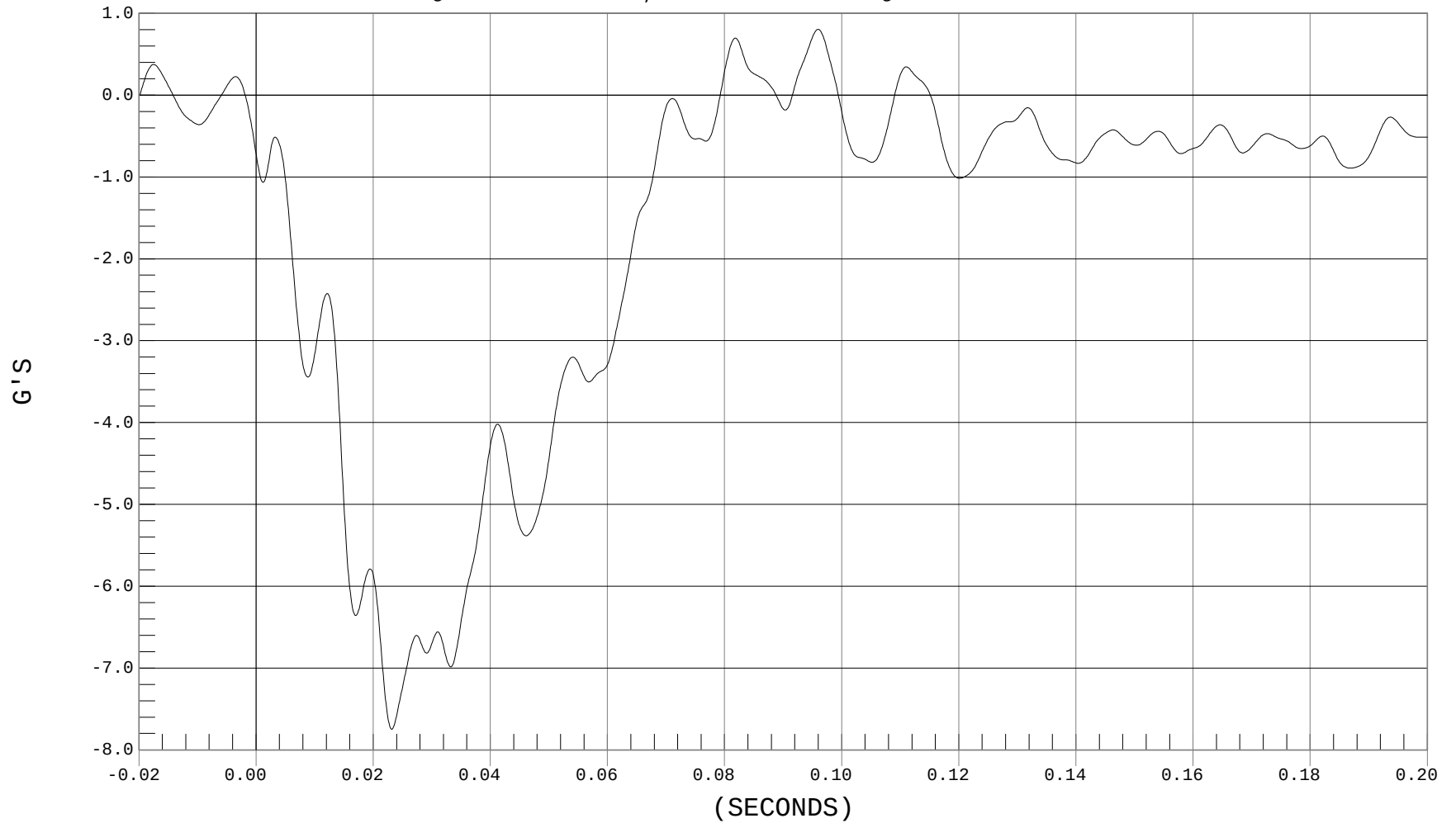
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 CART CG Y, B01022AF.A03

Ymin = -7.75 G'S @ 0.0231 SECONDS, Ymax = .8 G'S @ 0.0959 SECONDS





MOVING BARRIER CG Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

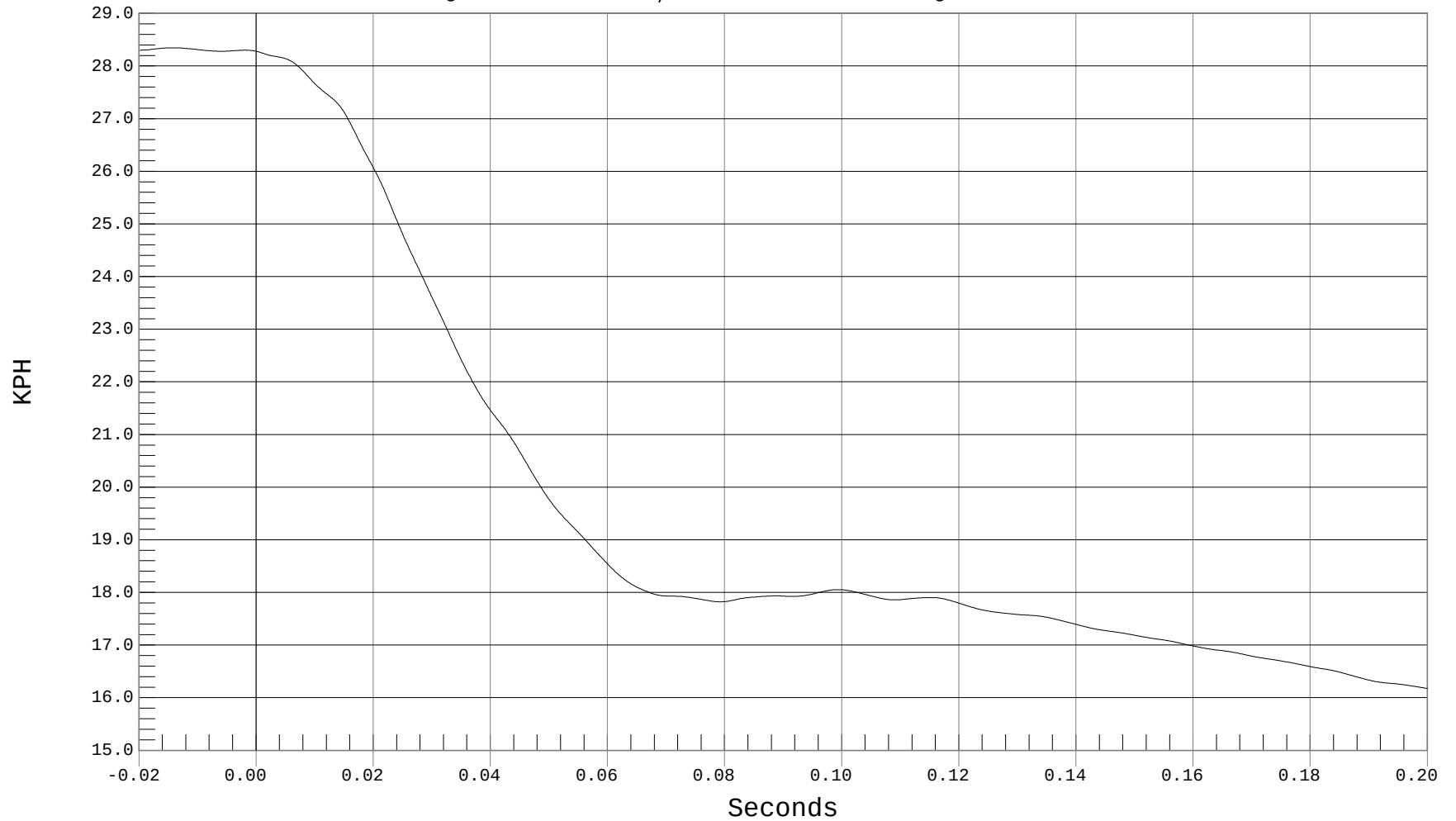
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 MOVING BARRIER CG Y VELOCITY, B01022AI.V03

Ymin = 16.17 KPH @ 0.2000 Seconds, Ymax = 28.35 KPH @ -0.0143 Seconds





MOVING BARRIER CG Z ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

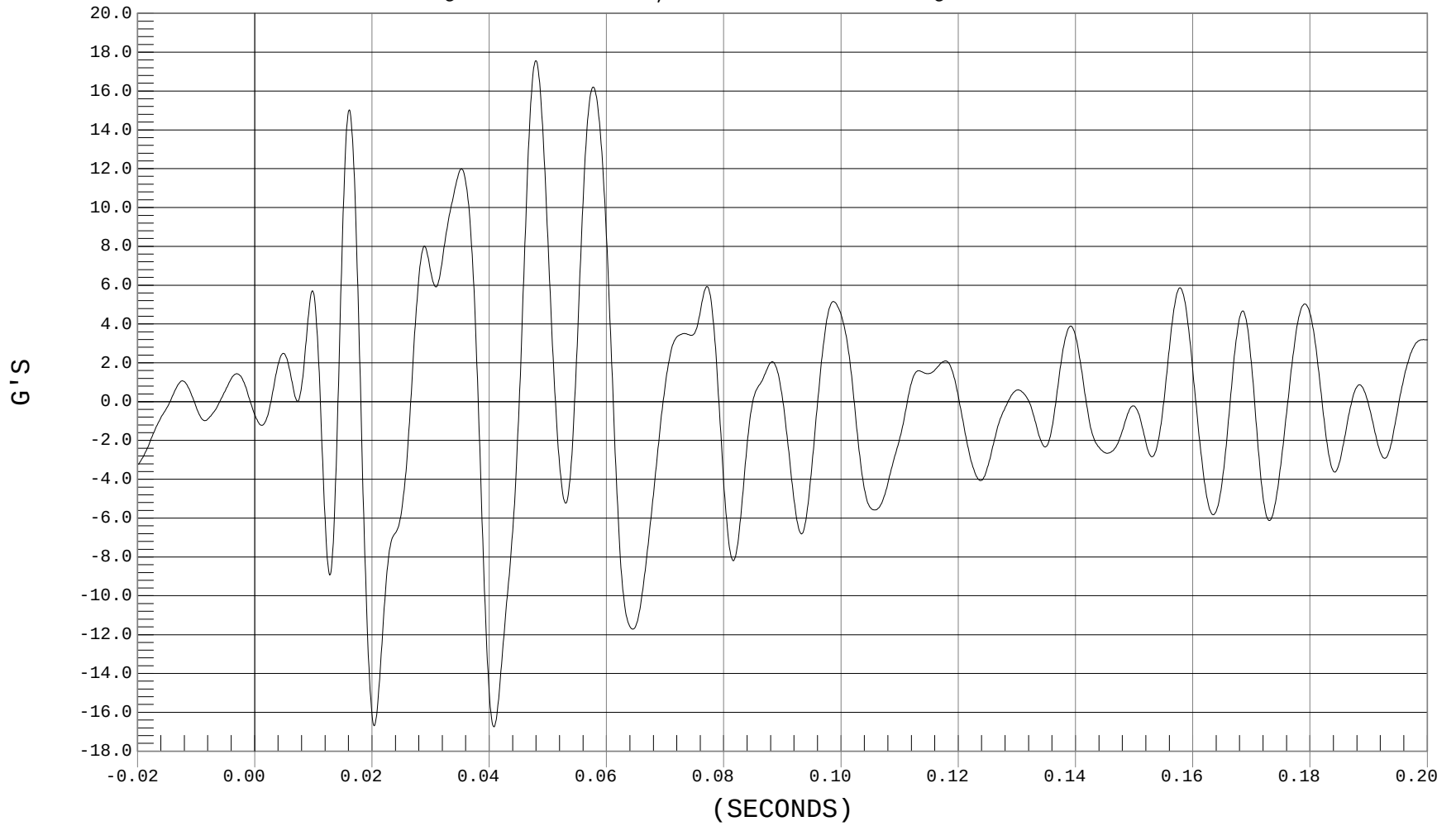
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 CART CG Z, B01022AF.A04

Ymin = -16.75 G'S @ 0.0407 SECONDS, Ymax = 17.56 G'S @ 0.0479 SECONDS





MOVING BARRIER CG Z VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

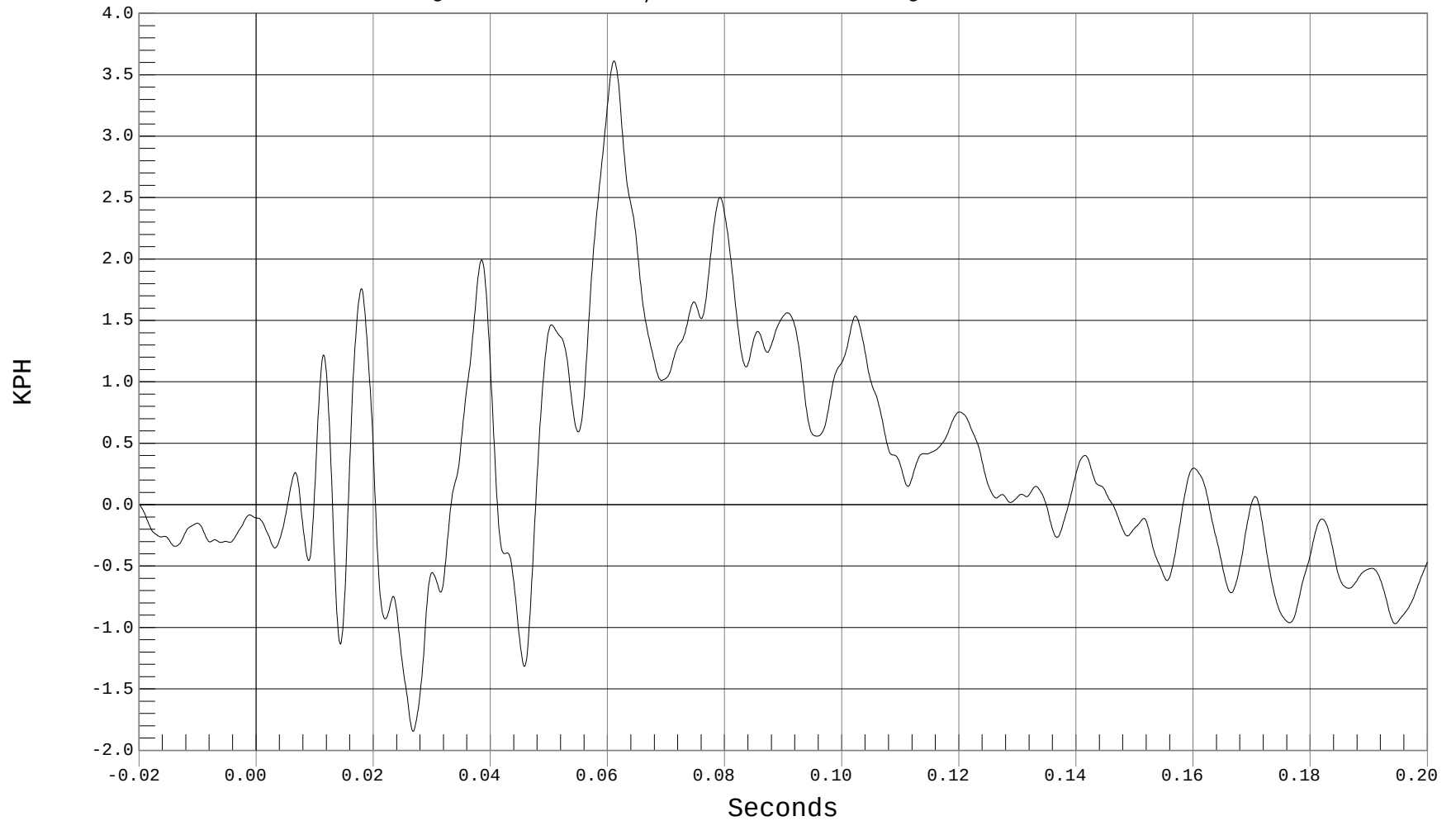
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 MOVING BARRIER CG Z VELOCITY, B01022AI.V04

Ymin = -1.85 KPH @ 0.0267 Seconds, Ymax = 3.61 KPH @ 0.0610 Seconds





MOVING BARRIER CG RESULTANT ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

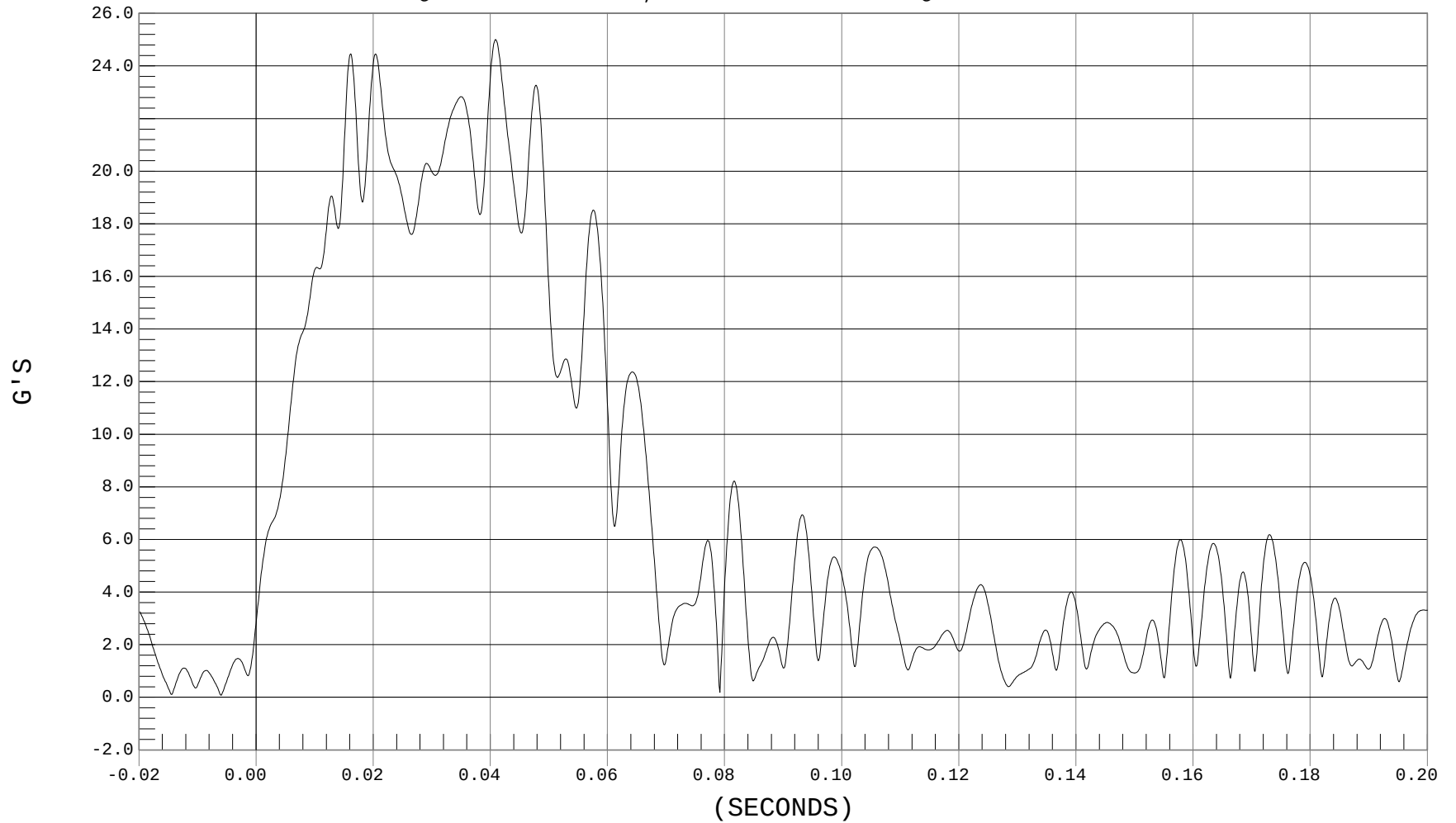
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 60

— 1 MOVING BARRIER CG RESULTANT ACCELERATION, B01022AV.A02

Ymin = .07 G'S @ -0.0061 SECONDS, Ymax = 25.01 G'S @ 0.0408 SECONDS





MOVING BARRIER REAR AXLE X ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

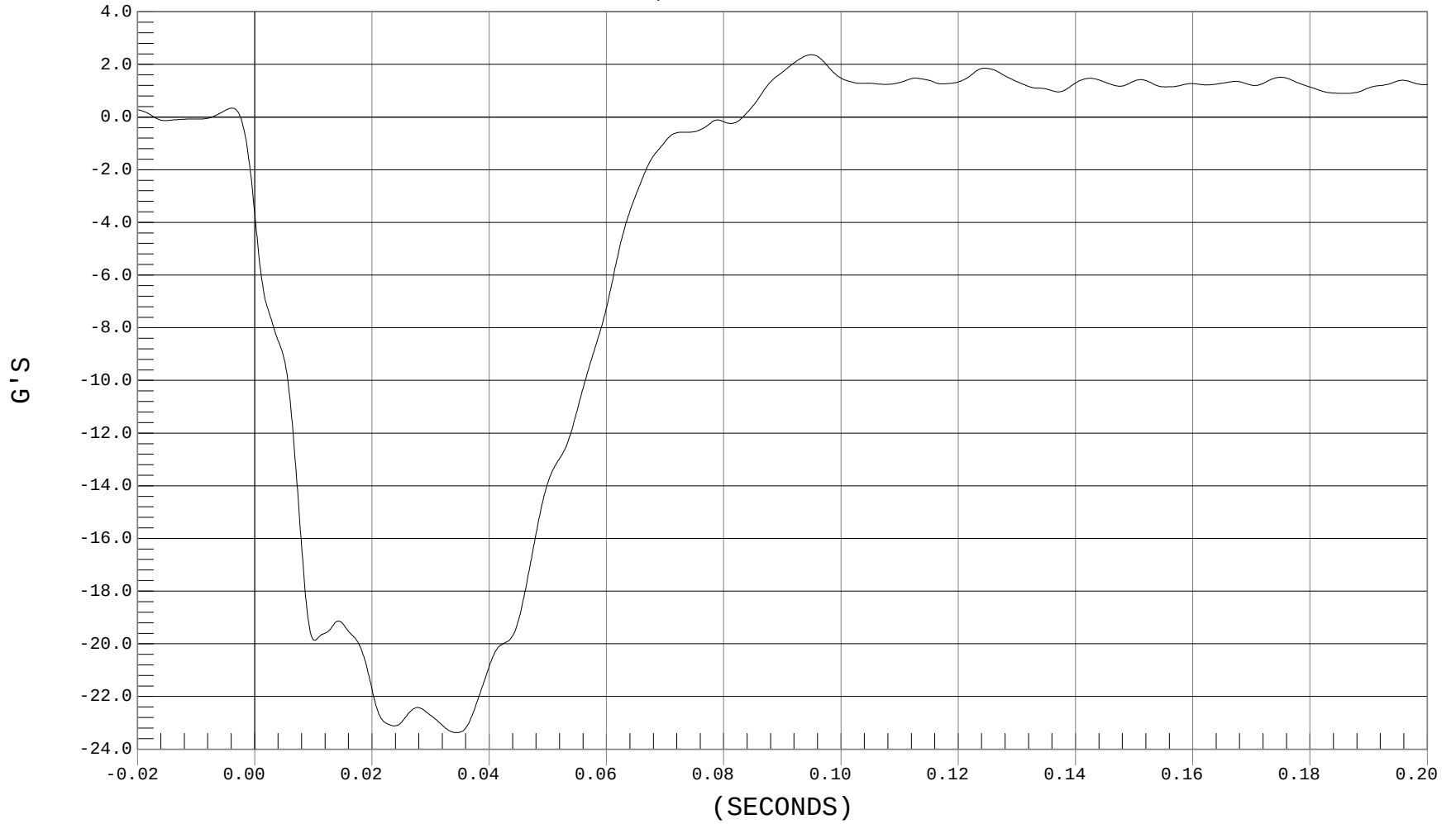
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 CART REAR X, B01022AF.A05

Ymin = -23.37 G'S @ 0.0343 SECONDS, Ymax = 2.37 G'S @ 0.0948 SECONDS





MOVING BARRIER REAR AXLE X VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

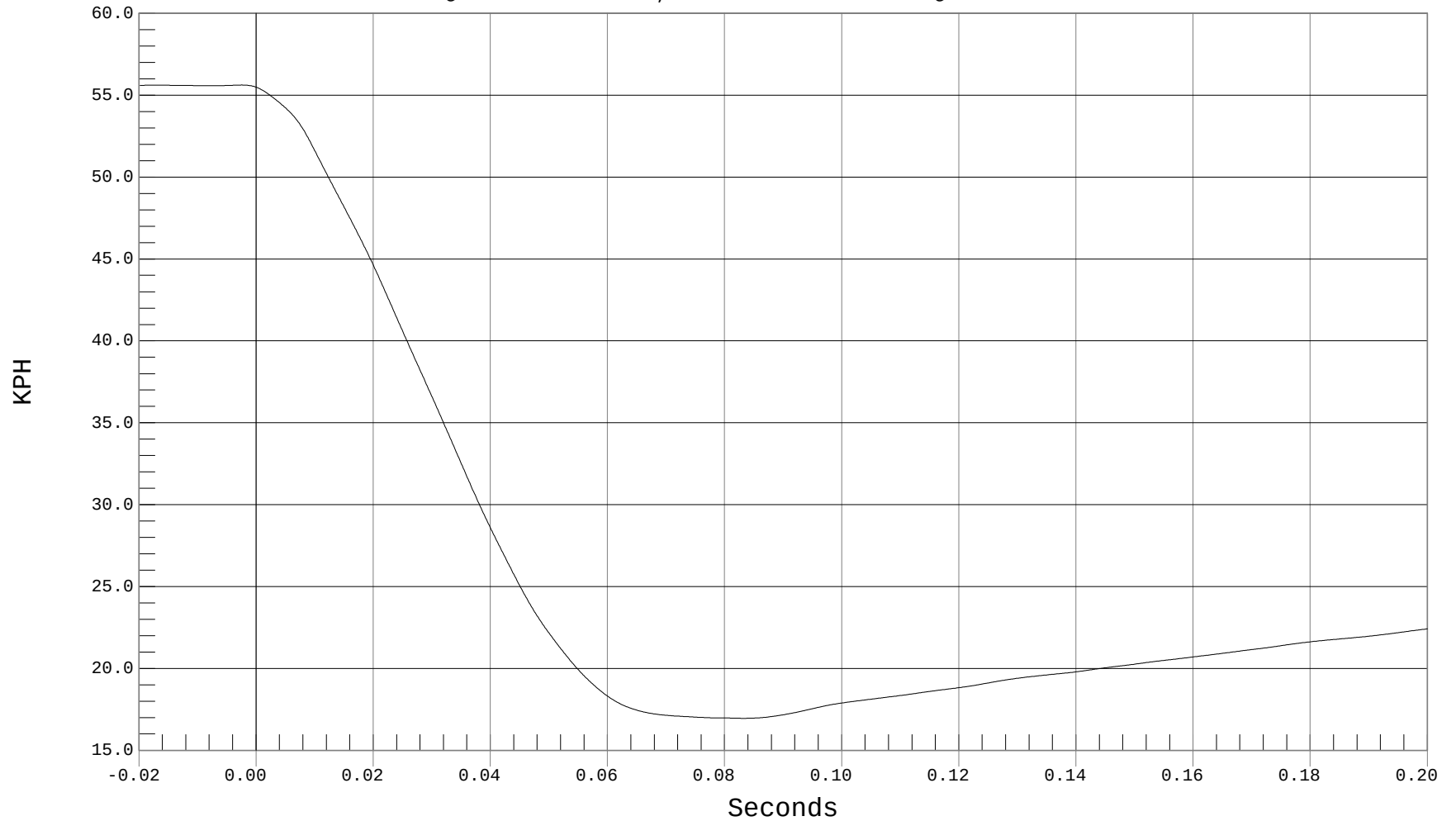
Other Info:

Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

Ymin = 16.95 KPH @ 0.0832 Seconds, Ymax = 55.62 KPH @ -0.0025 Seconds





MOVING BARRIER REAR AXLE Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

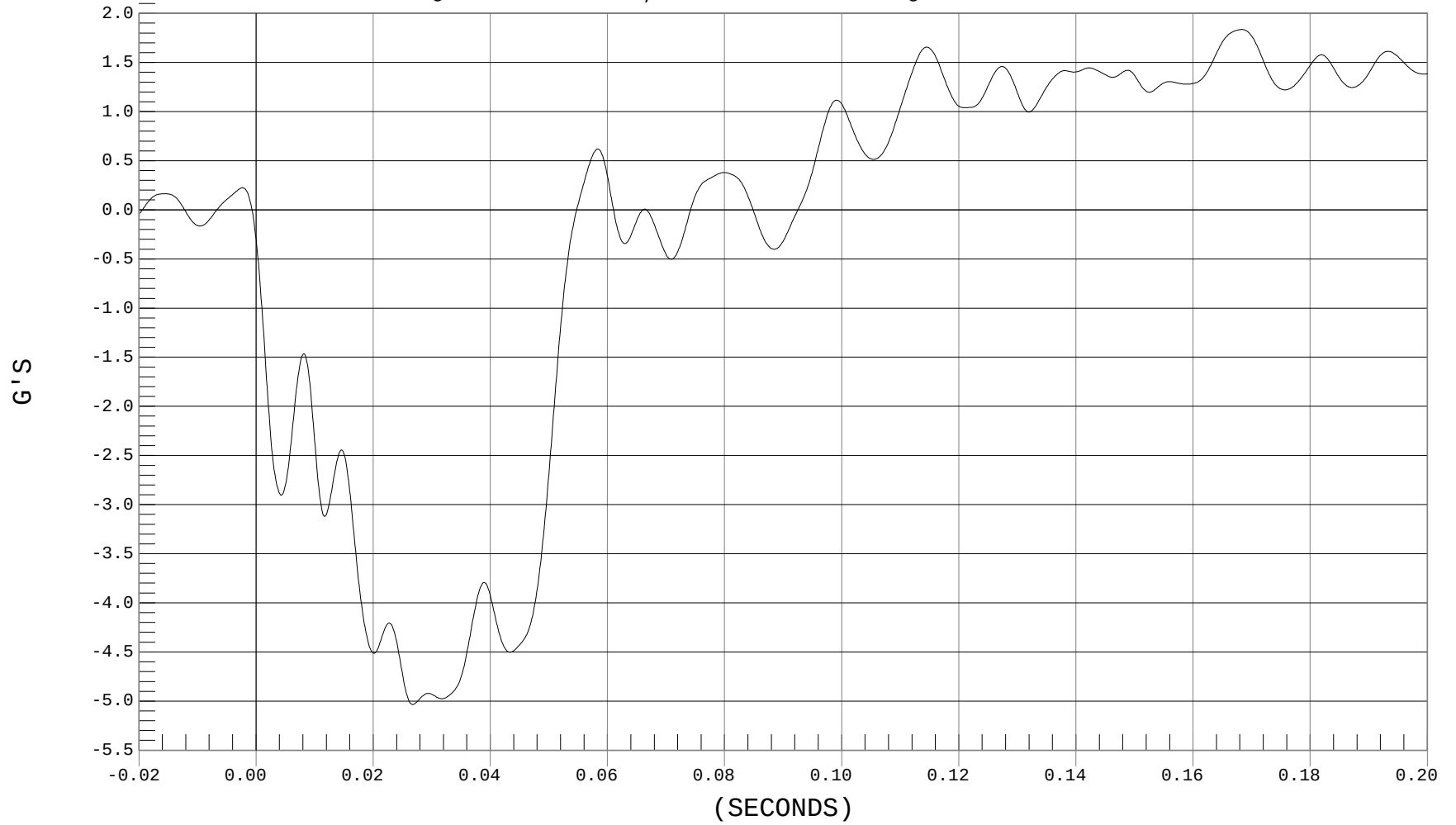
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 60

— 1 CART REAR Y, B01022AF.A06

Ymin = -5.03 G'S @ 0.0267 SECONDS, Ymax = 1.84 G'S @ 0.1682 SECONDS





MOVING BARRIER REAR AXLE Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

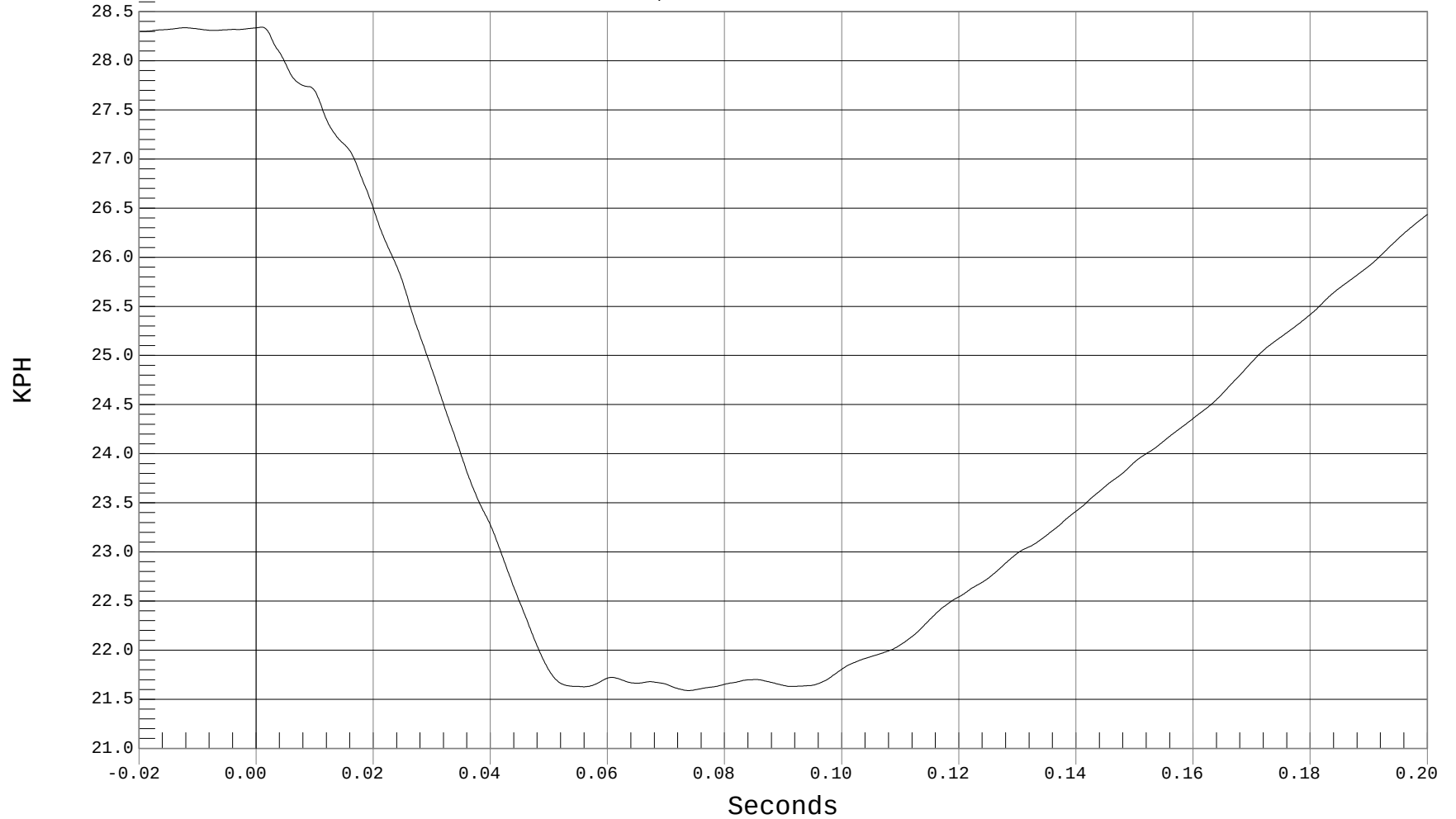
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 MOVING BARRIER REAR AXLE Y VELOCITY, B01022AI.V06

Ymin = 21.59 KPH @ 0.0737 Seconds, Ymax = 28.34 KPH @ 0.0009 Seconds





LEFT BARRIER CONTACT

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

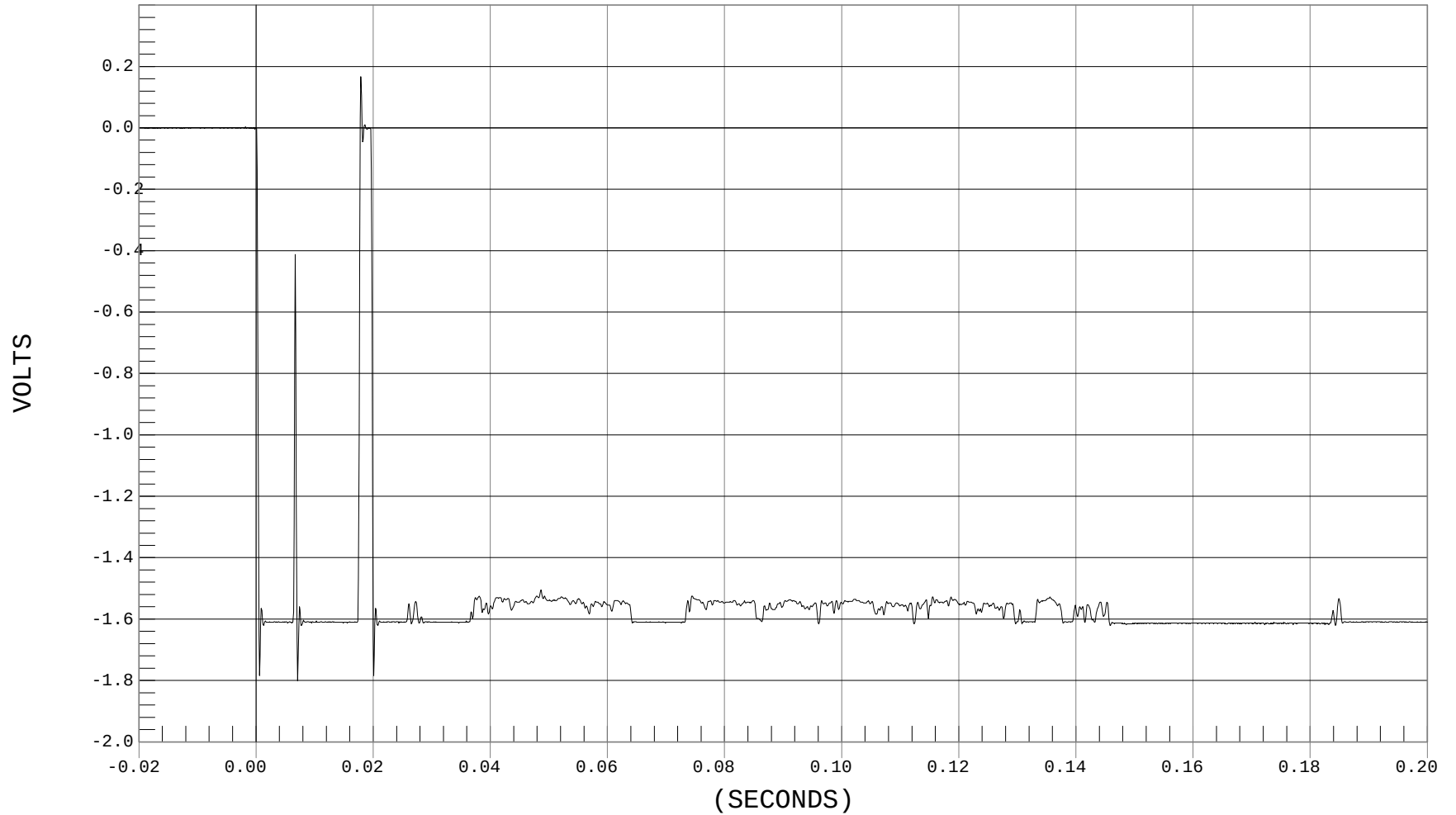
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 1000

— 1 LEFT BARRIER CONTACT, B010220T.009

Ymin = -1.8 VOLTS @ 0.0070 SECONDS, Ymax = .17 VOLTS @ 0.0178 SECONDS





RIGHT BARRIER CONTACT

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

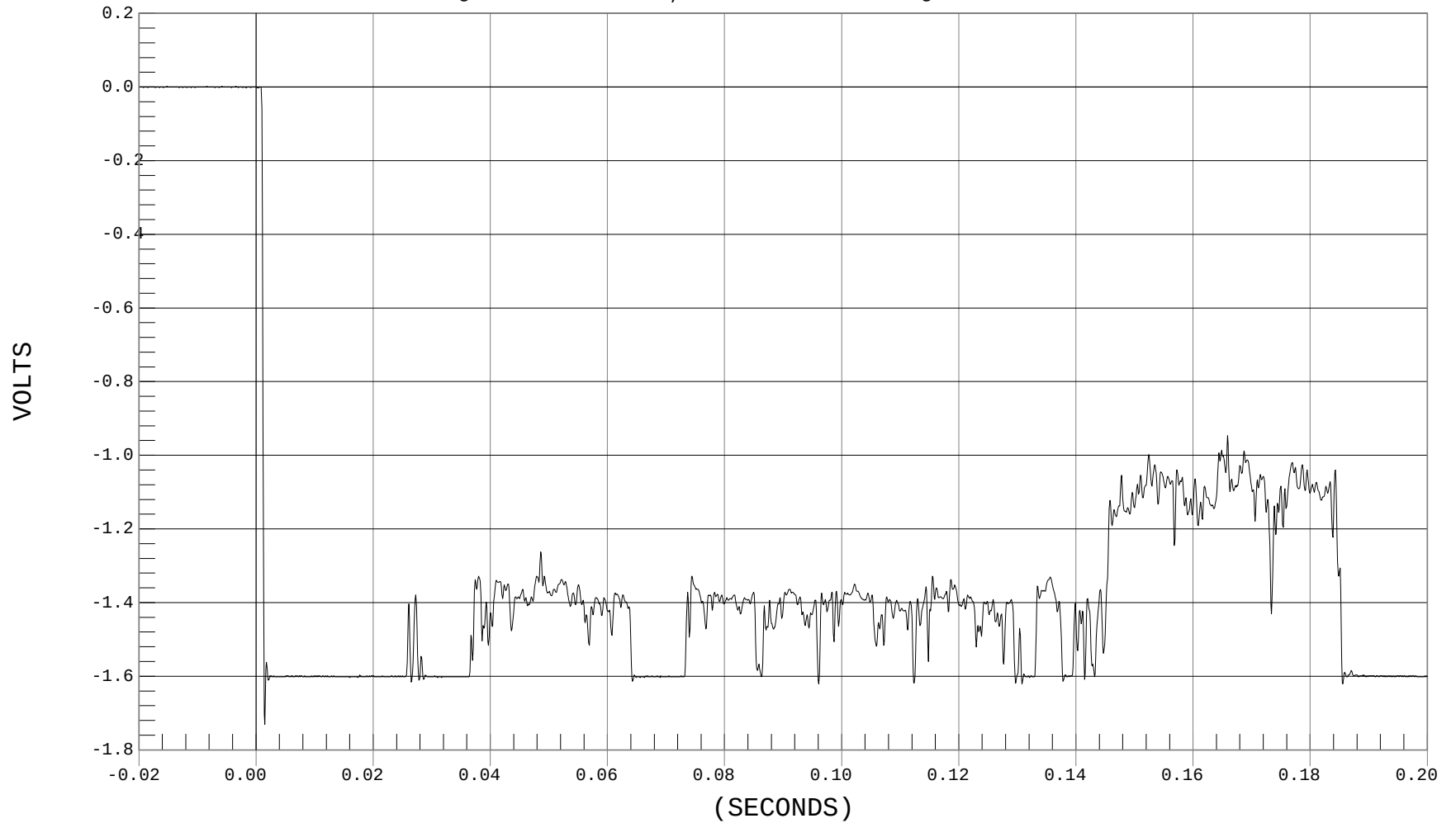
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 RIGHT BARRIER CONTACT, B010220T.010

Ymin = -1.73 VOLTS @ 0.0014 SECONDS, Ymax = 0 VOLTS @ -0.0153 SECONDS





DRIVER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

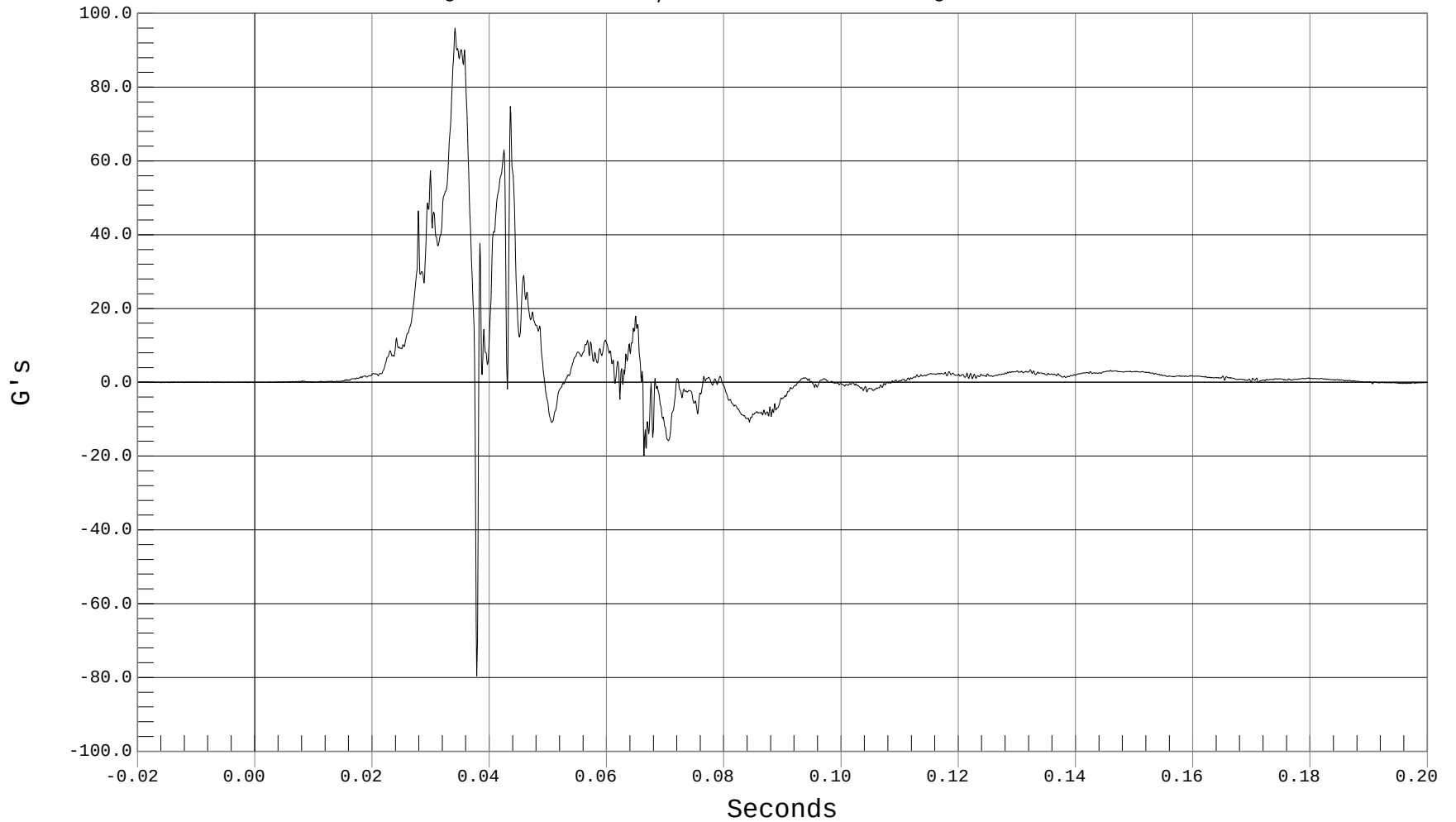
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 1000

— 1 DRIVER UPPER RIB Yr, B01022AT.A41

Ymin = -79.59 G's @ 0.0378 Seconds, Ymax = 95.95 G's @ 0.0341 Seconds





DRIVER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

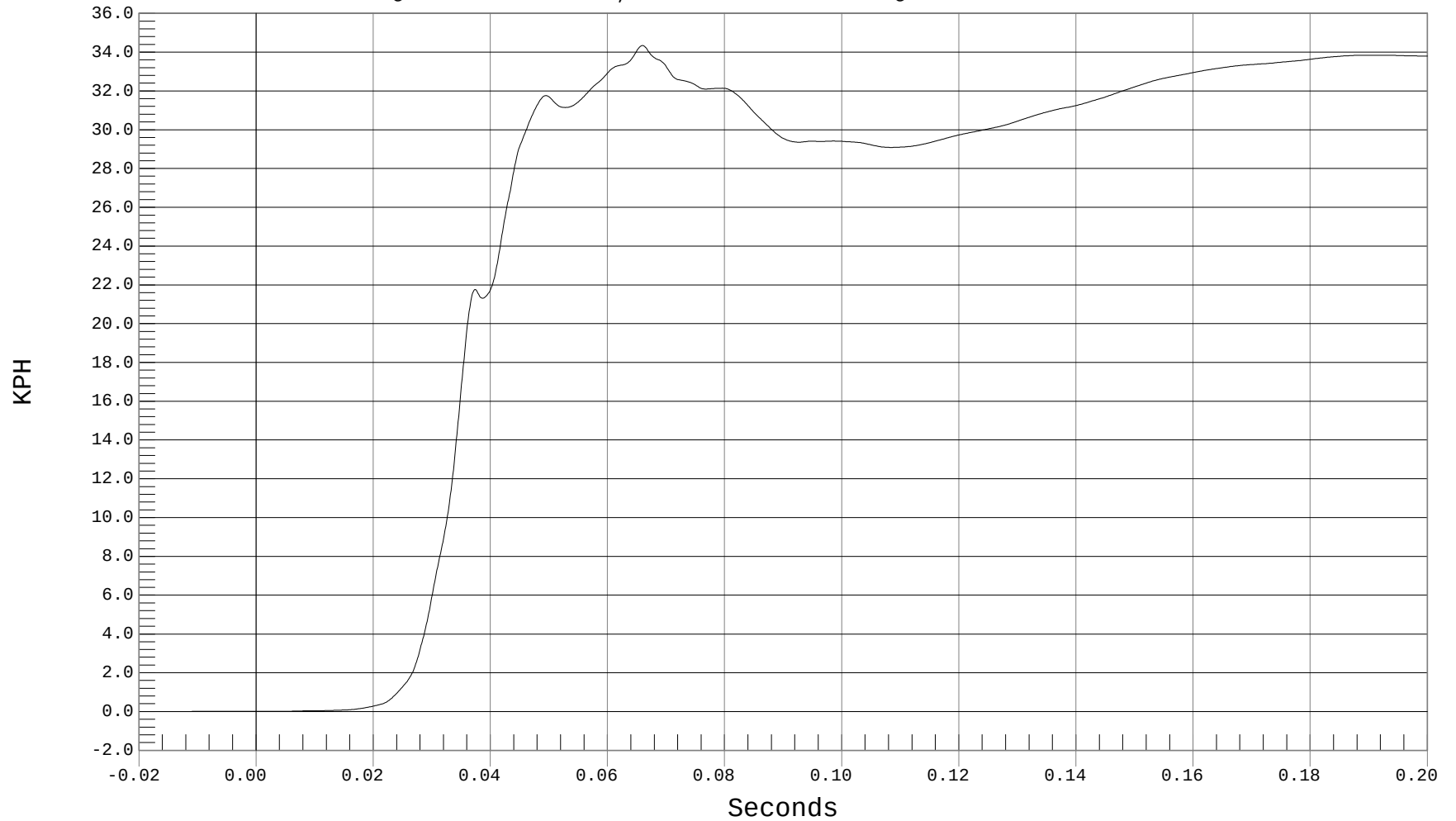
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER UPPER RIB Y REDUNDANT VELOCITY, B01022AI.V41

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 34.34 KPH @ 0.0659 Seconds





DRIVER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

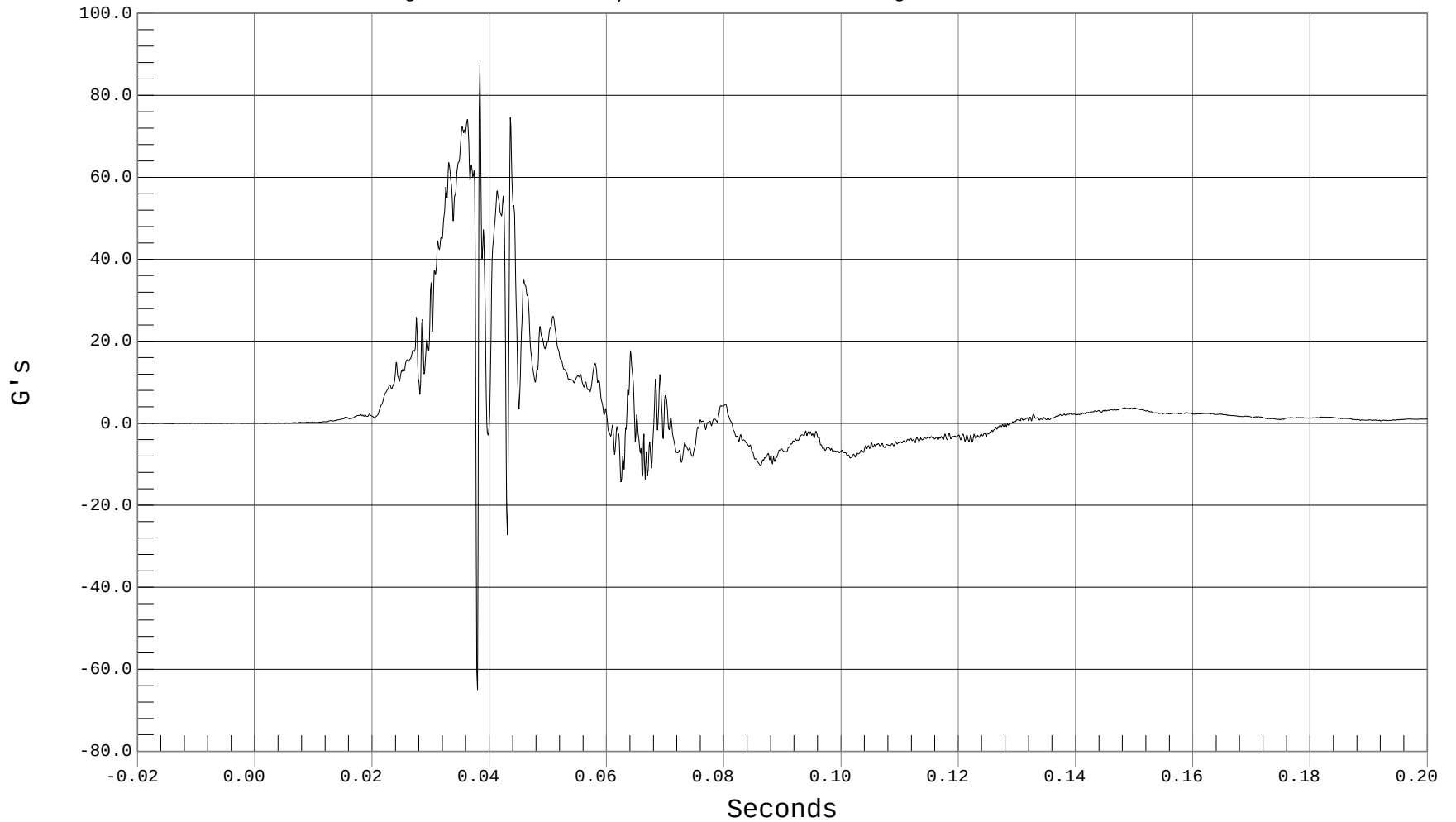
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 1000

— 1 DRIVER LOWER RIB Yr, B01022AT.A42

Ymin = -65 G's @ 0.0379 Seconds, Ymax = 87.32 G's @ 0.0383 Seconds





DRIVER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

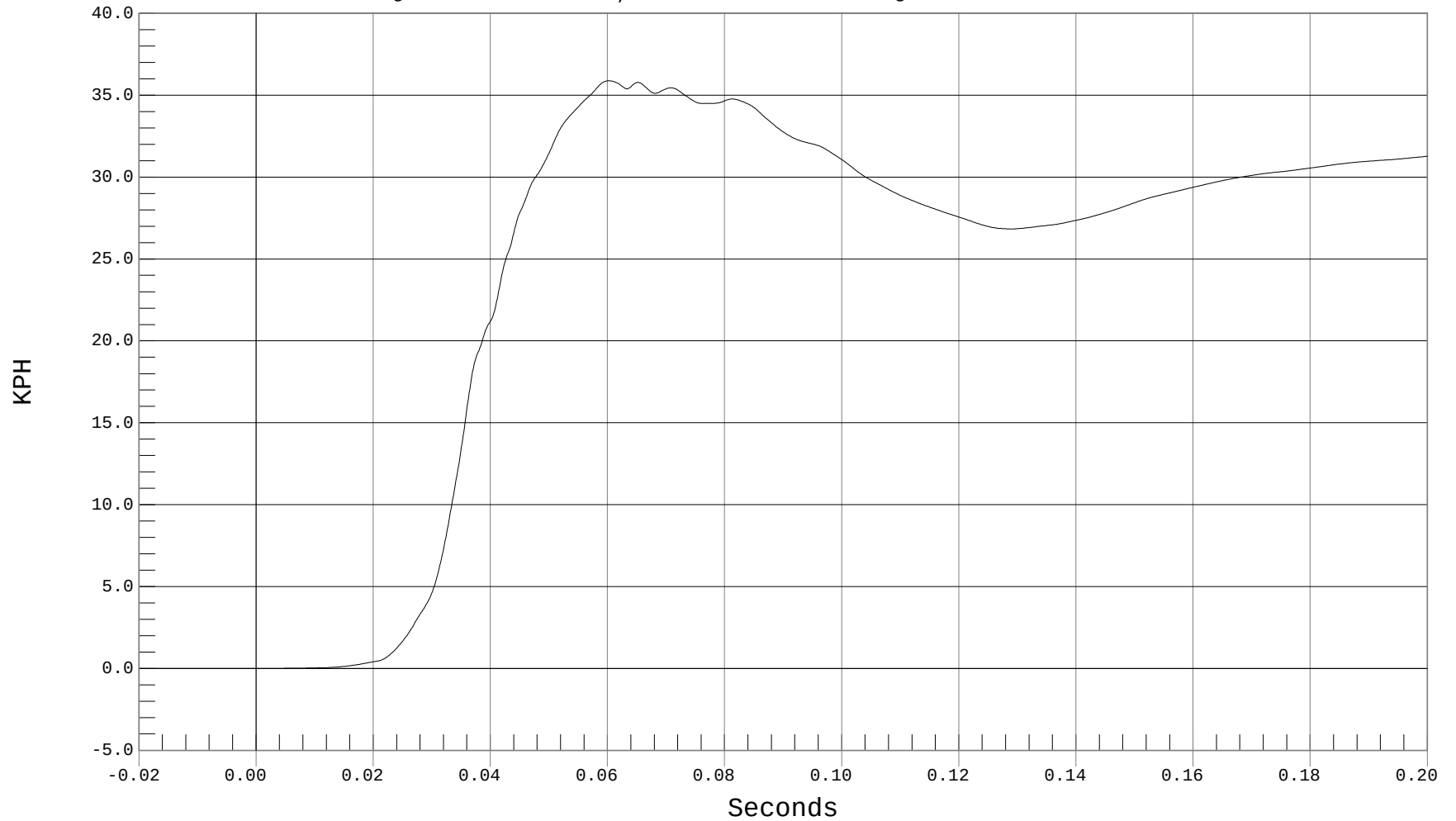
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 DRIVER LOWER RIB Y REDUNDANT VELOCITY, B01022AI.V42

Ymin = 0 KPH @ -0.0115 Seconds, Ymax = 35.88 KPH @ 0.0601 Seconds





DRIVER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

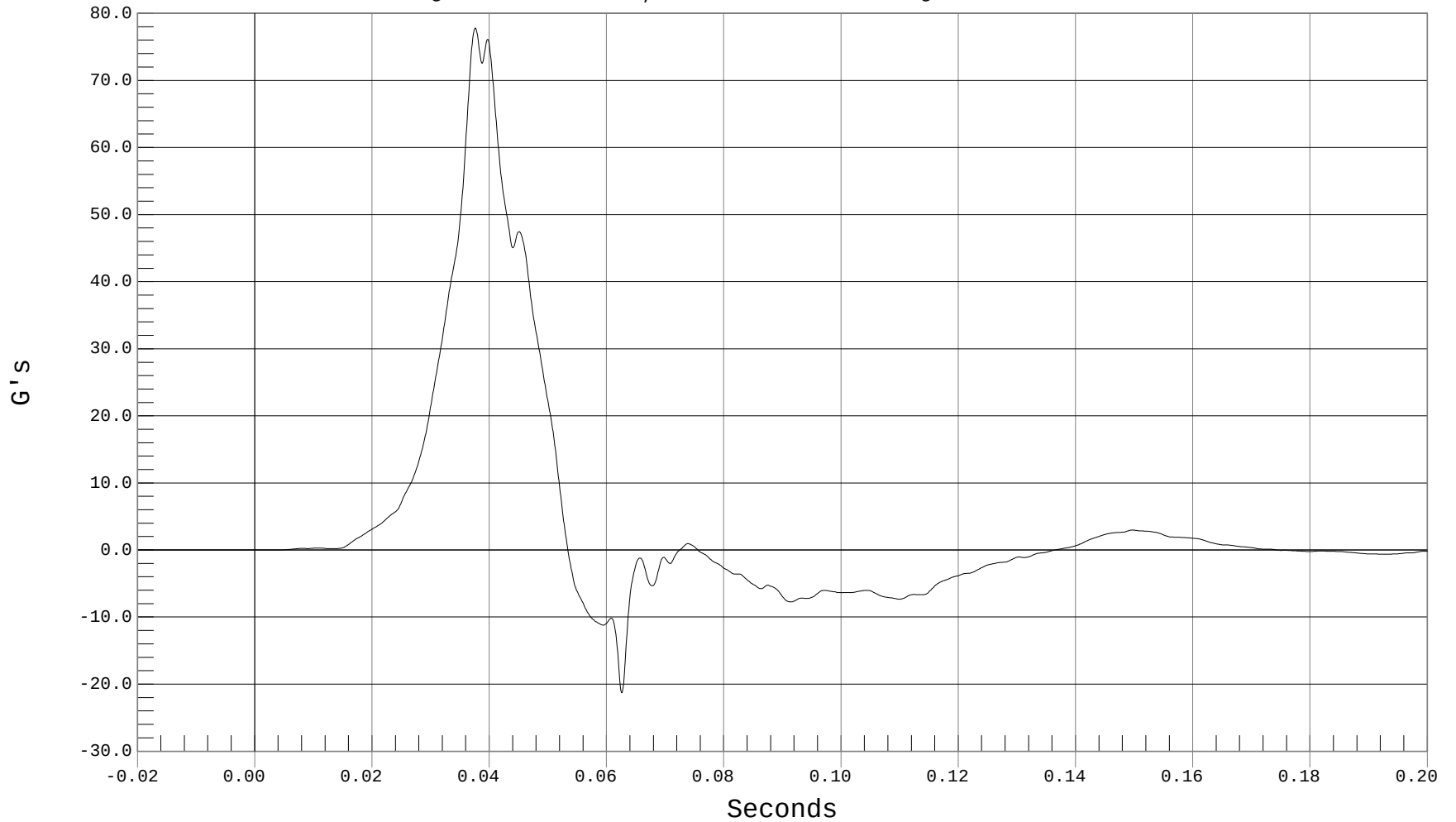
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER LOWER SPINE Yr, B01022AF.A43

Ymin = -21.3 G's @ 0.0625 Seconds, Ymax = 77.82 G's @ 0.0375 Seconds





DRIVER LOWER SPINE REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

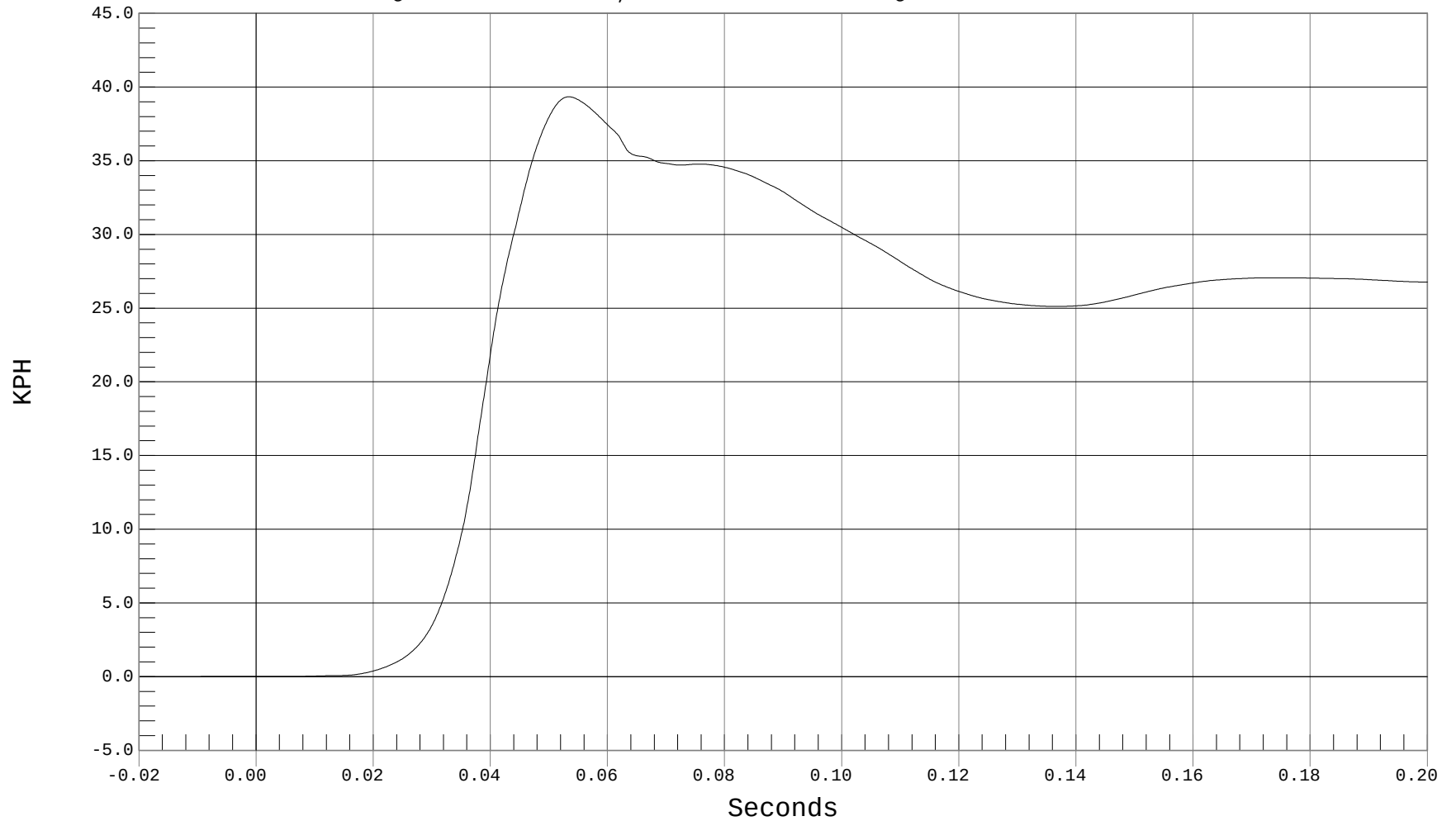
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 DRIVER LOWER SPINE Y REDUNDANT VELOCITY, B01022AI.V43

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 39.34 KPH @ 0.0533 Seconds





DRIVER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

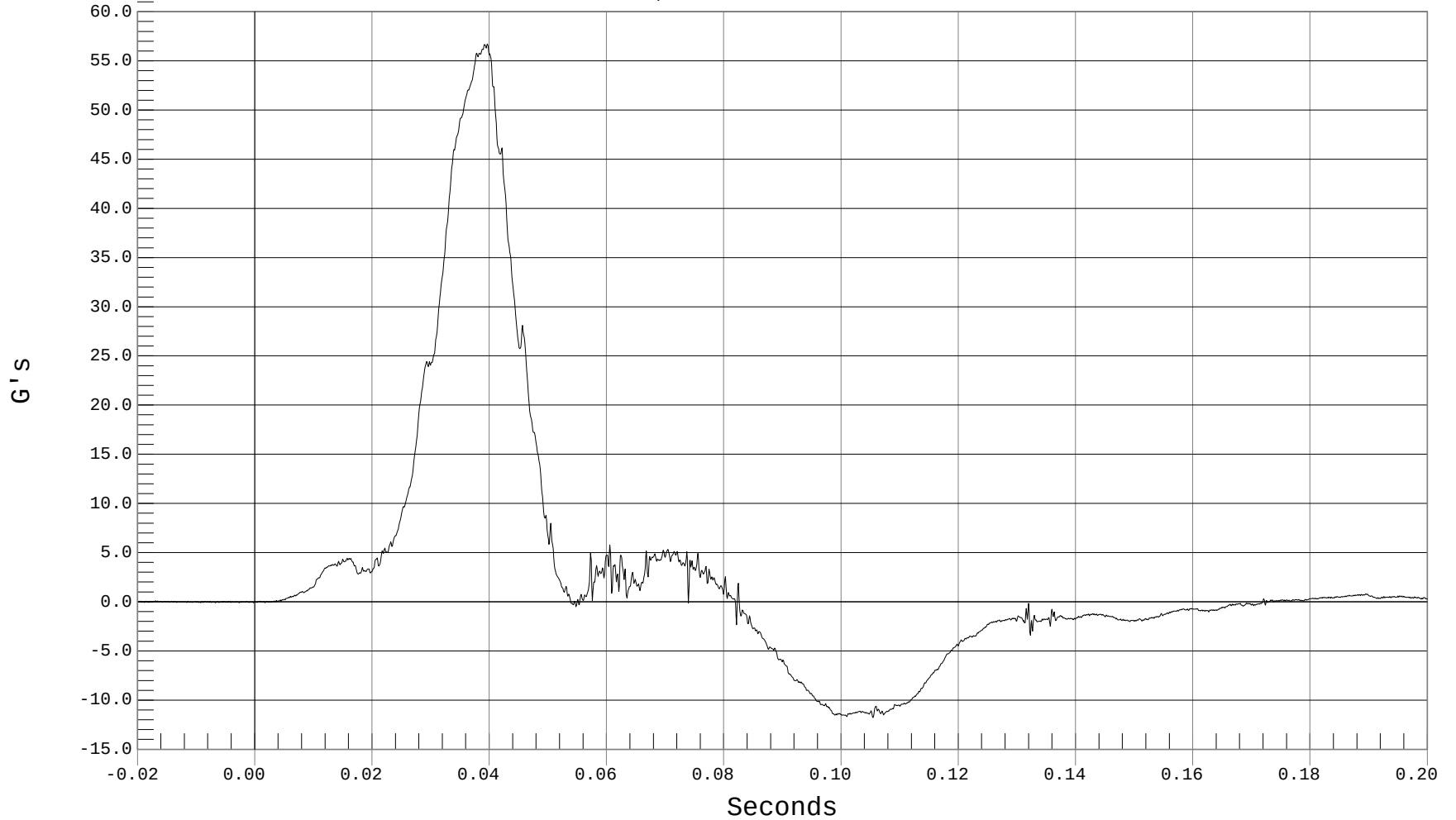
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 DRIVER PELVIS Yr, B01022AT.A44

Ymin = -11.78 G's @ 0.1054 Seconds, Ymax = 56.73 G's @ 0.0396 Seconds





DRIVER PELVIS REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

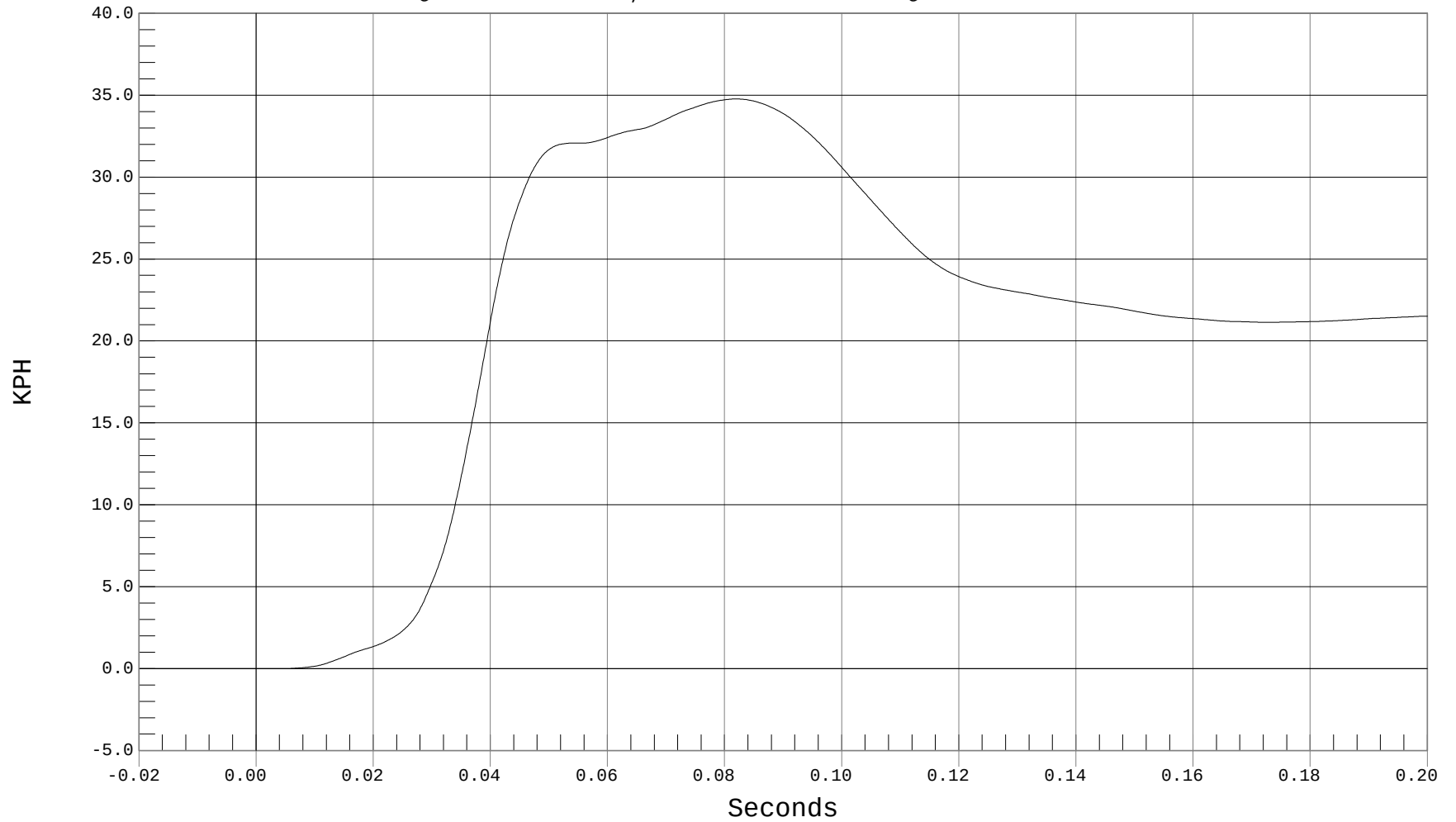
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 DRIVER PELVIS Y REDUNDANT VELOCITY, B01022AI.V44

Ymin = -.01 KPH @ 0.0026 Seconds, Ymax = 34.77 KPH @ 0.0818 Seconds





REAR PASSENGER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

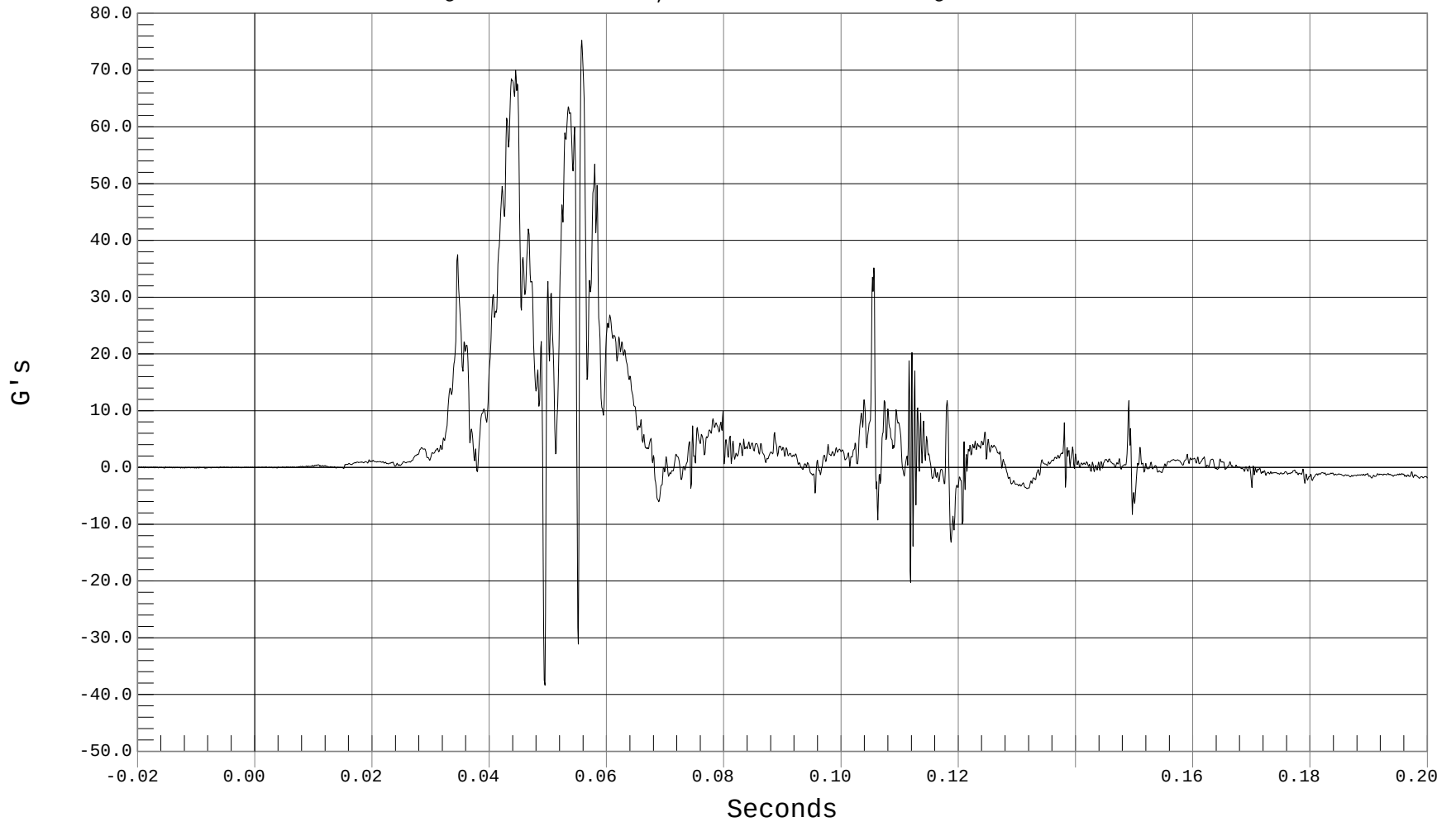
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 PASSENGER UPPER RIB Yr, B01022AT.A45

Ymin = -38.39 G's @ 0.0494 Seconds, Ymax = 75.24 G's @ 0.0557 Seconds





REAR PASSENGER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

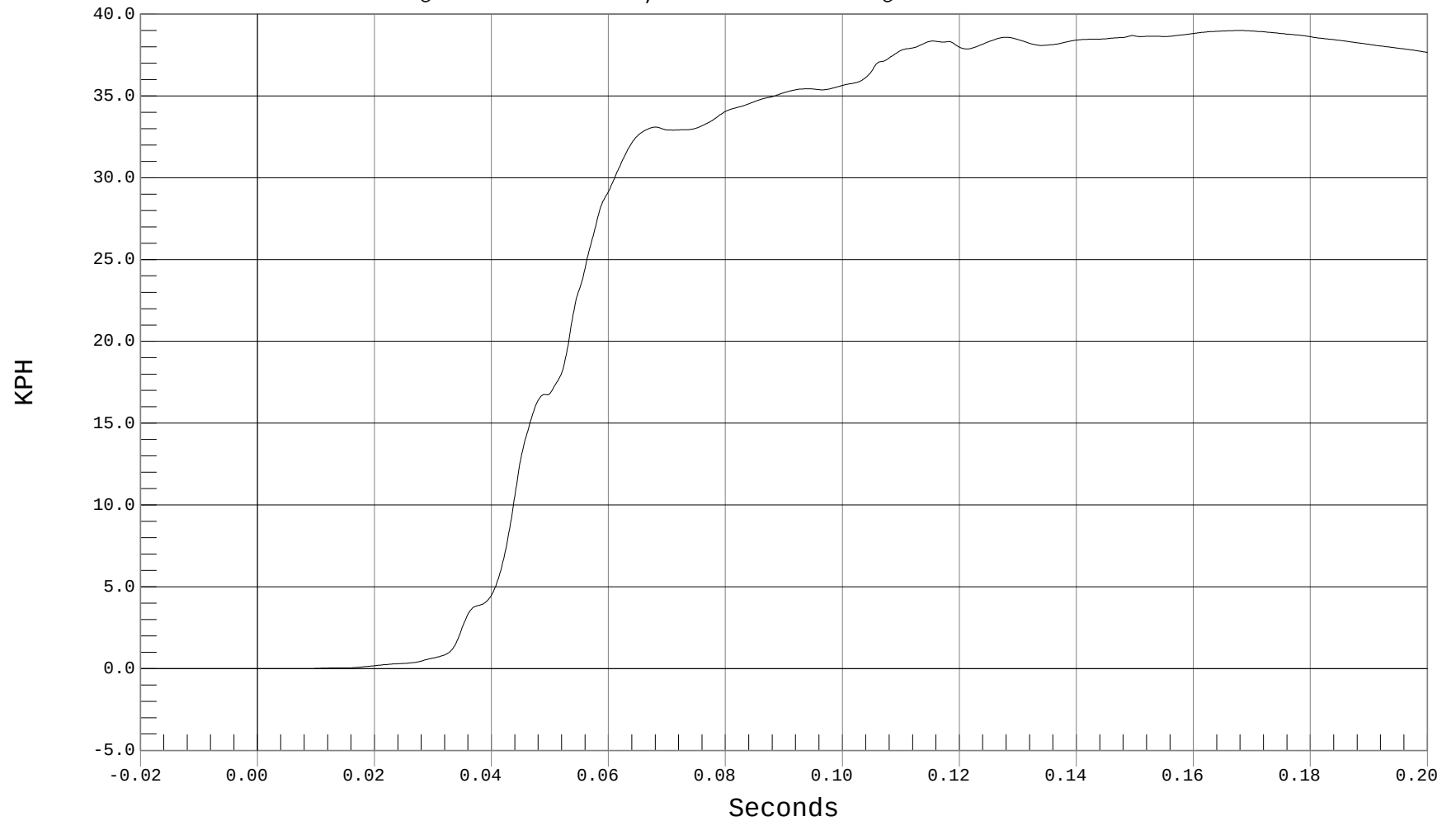
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 REAR PASSENGER UPPER RIB Y REDUNDANT VELOCITY, B01022AI.V45

Ymin = -.01 KPH @ -0.0062 Seconds, Ymax = 39 KPH @ 0.1678 Seconds





REAR PASSENGER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

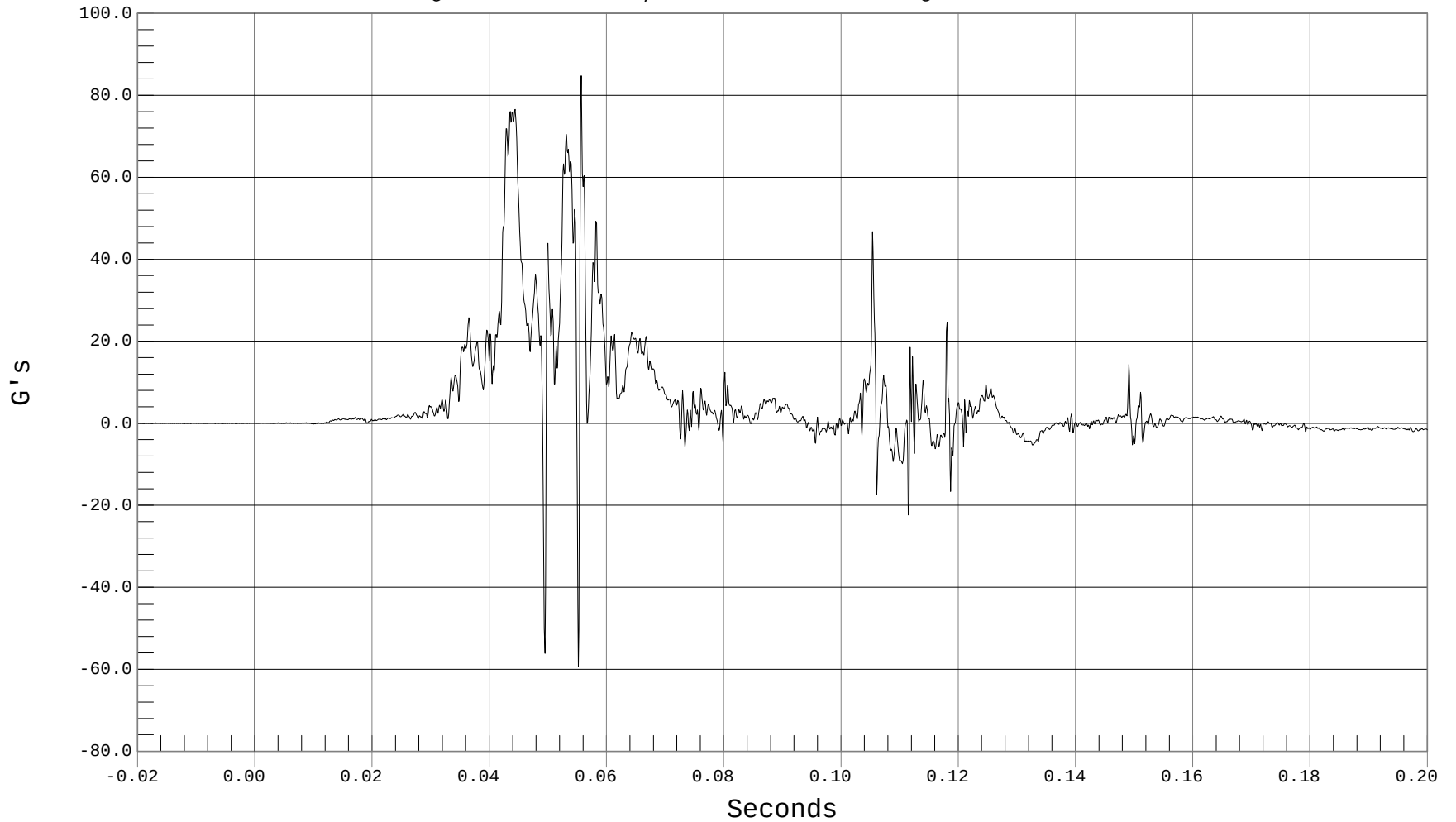
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 PASSENGER LOWER RIB Yr, B01022AT.A46

Ymin = -59.4 G's @ 0.0551 Seconds, Ymax = 84.75 G's @ 0.0556 Seconds





REAR PASSENGER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

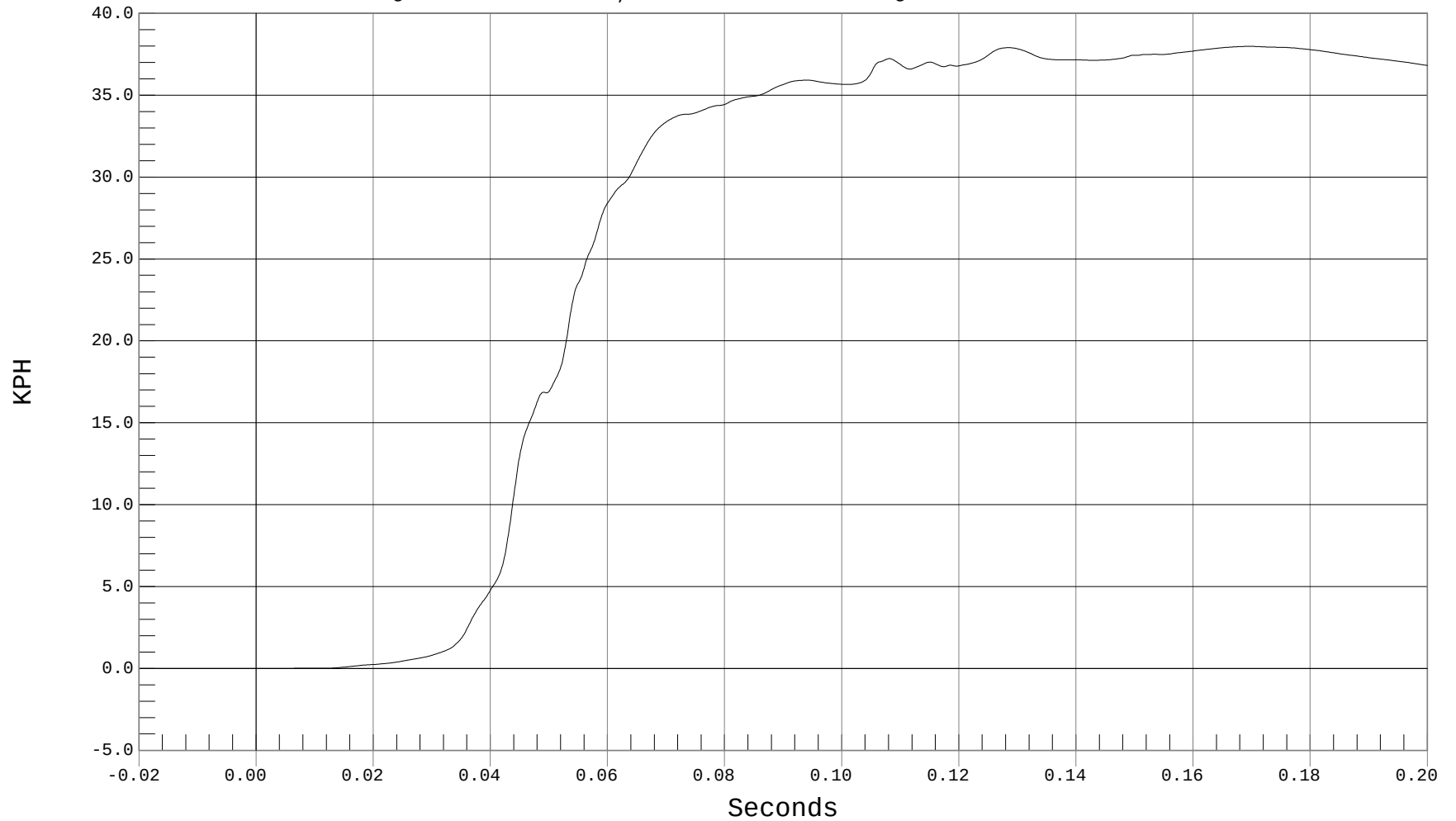
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 REAR PASSENGER LOWER RIB Y REDUNDANT VELOCITY, B01022AI.V46

Ymin = 0 KPH @ -0.0175 Seconds, Ymax = 37.99 KPH @ 0.1695 Seconds





REAR PASSENGER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

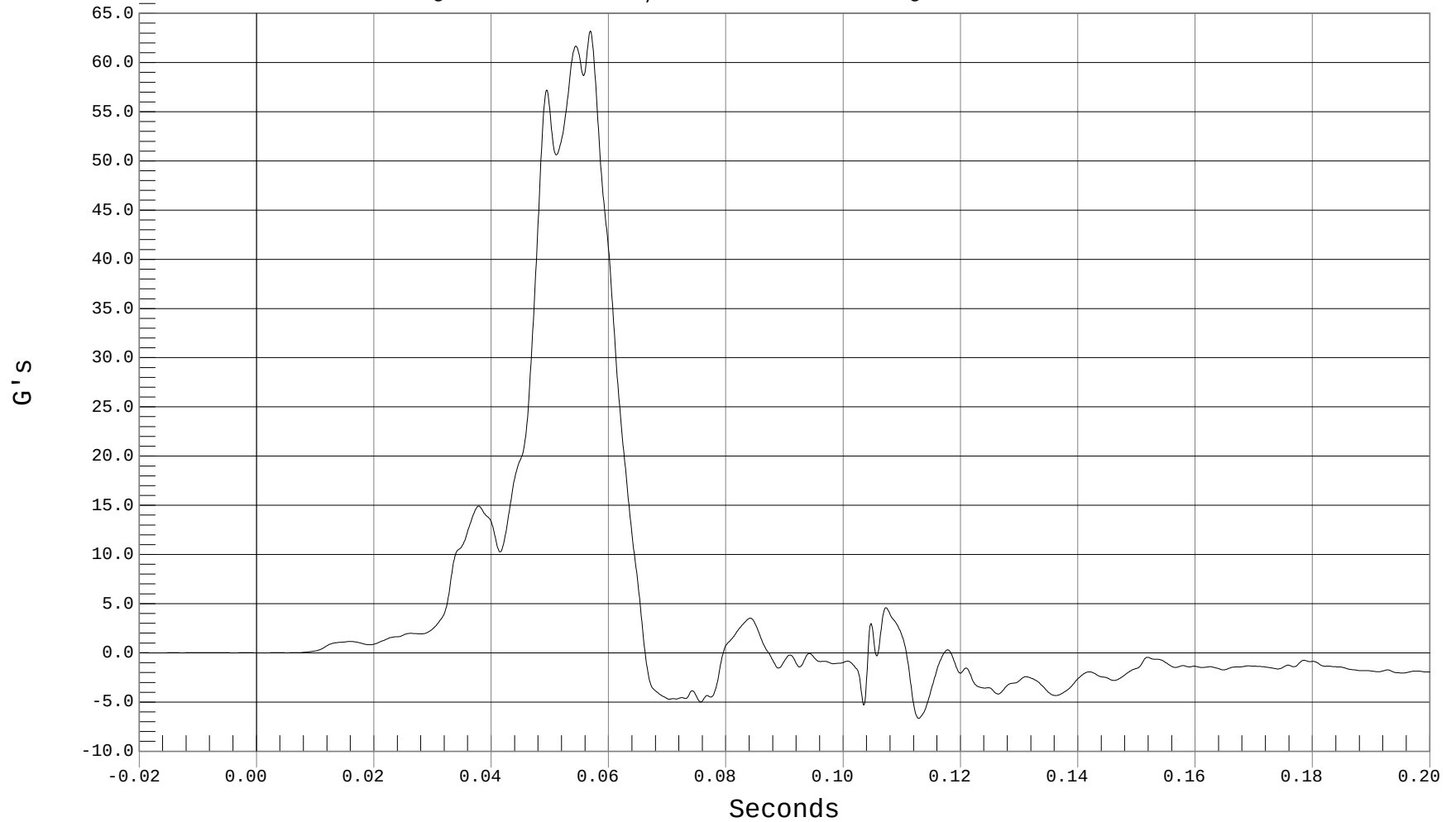
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 180

— 1 PASSENGER LOWER SPINE Yr, B01022AF.A47

Ymin = -6.65 G's @ 0.1128 Seconds, Ymax = 63.2 G's @ 0.0568 Seconds





REAR PASSENGER LOWER SPINE REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

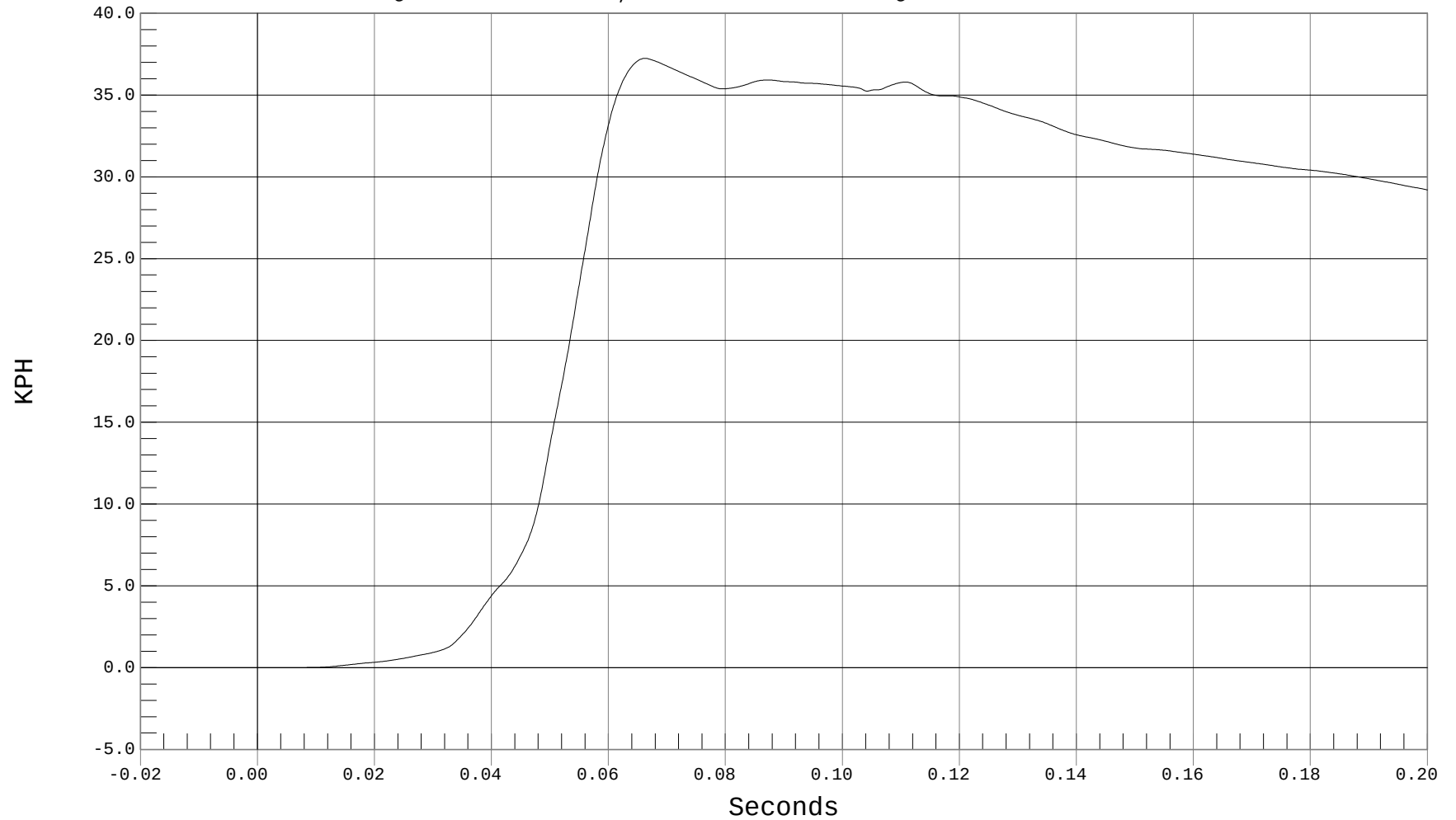
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 REAR PASSENGER LOWER SPINE Y REDUNDANT VELOCITY, B01022AI.V47

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 37.25 KPH @ 0.0661 Seconds





REAR PASSENGER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

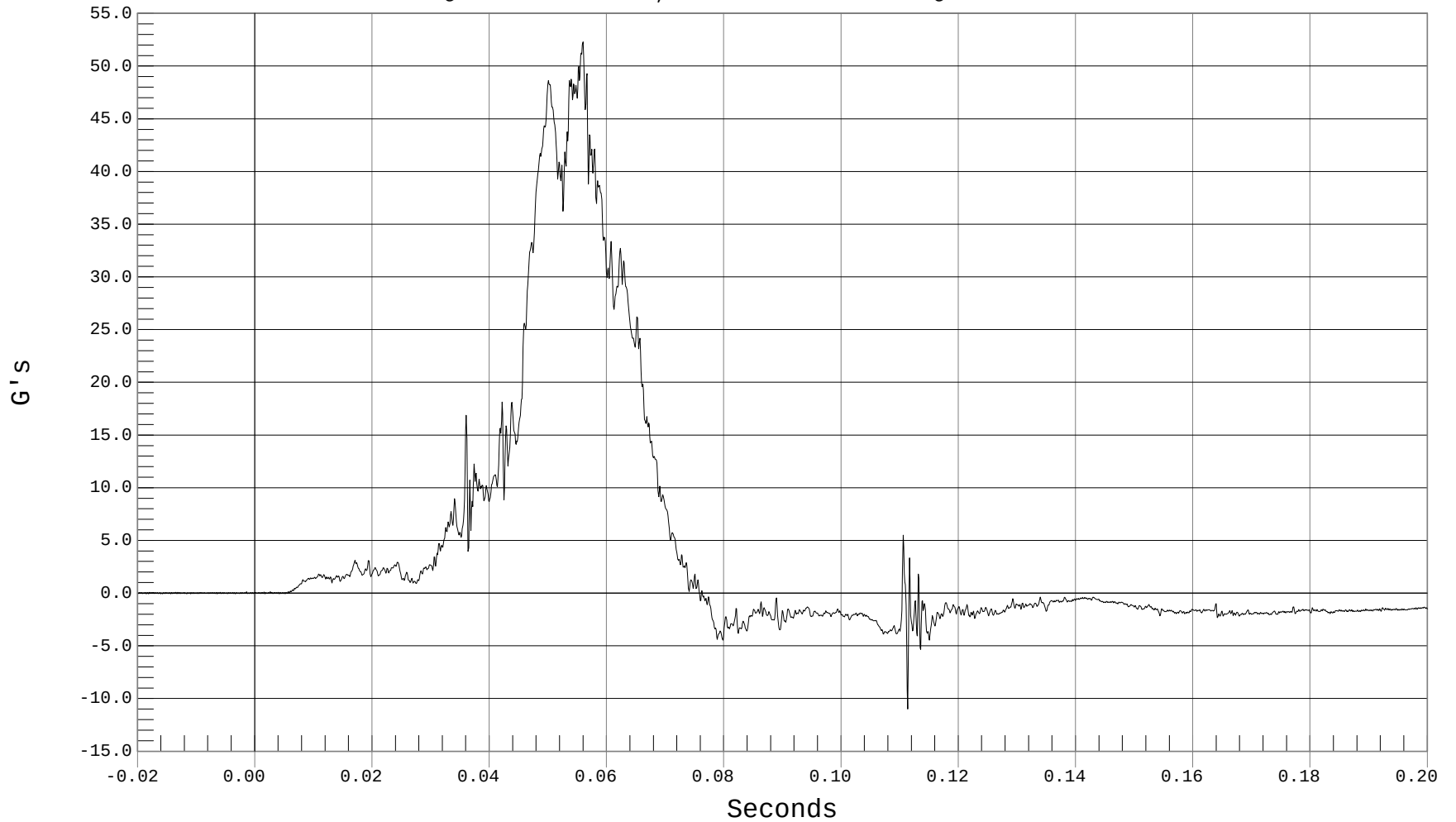
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Filter Class: 1000

— 1 PASSENGER PELVIS Yr, B01022AT.A48

Ymin = -10.99 G's @ 0.1113 Seconds, Ymax = 52.29 G's @ 0.0559 Seconds





REAR PASSENGER PELVIS REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

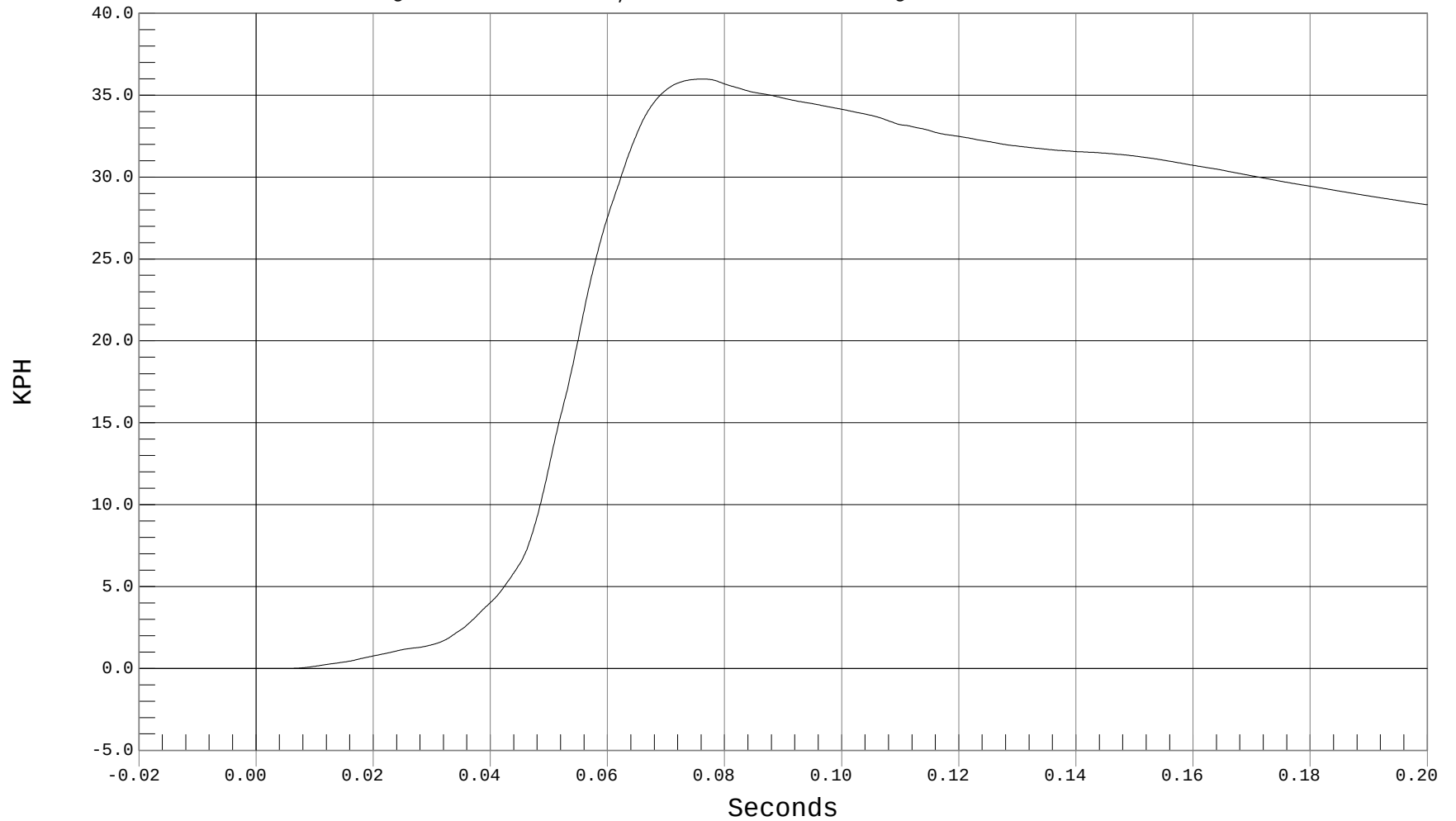
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Filter Class: 180

— 1 REAR PASSENGER PELVIS Y REDUNDANT VELOCITY, B01022AI.V48

Ymin = 0 KPH @ -0.0183 Seconds, Ymax = 35.99 KPH @ 0.0761 Seconds





DRIVER UPPER RIB Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

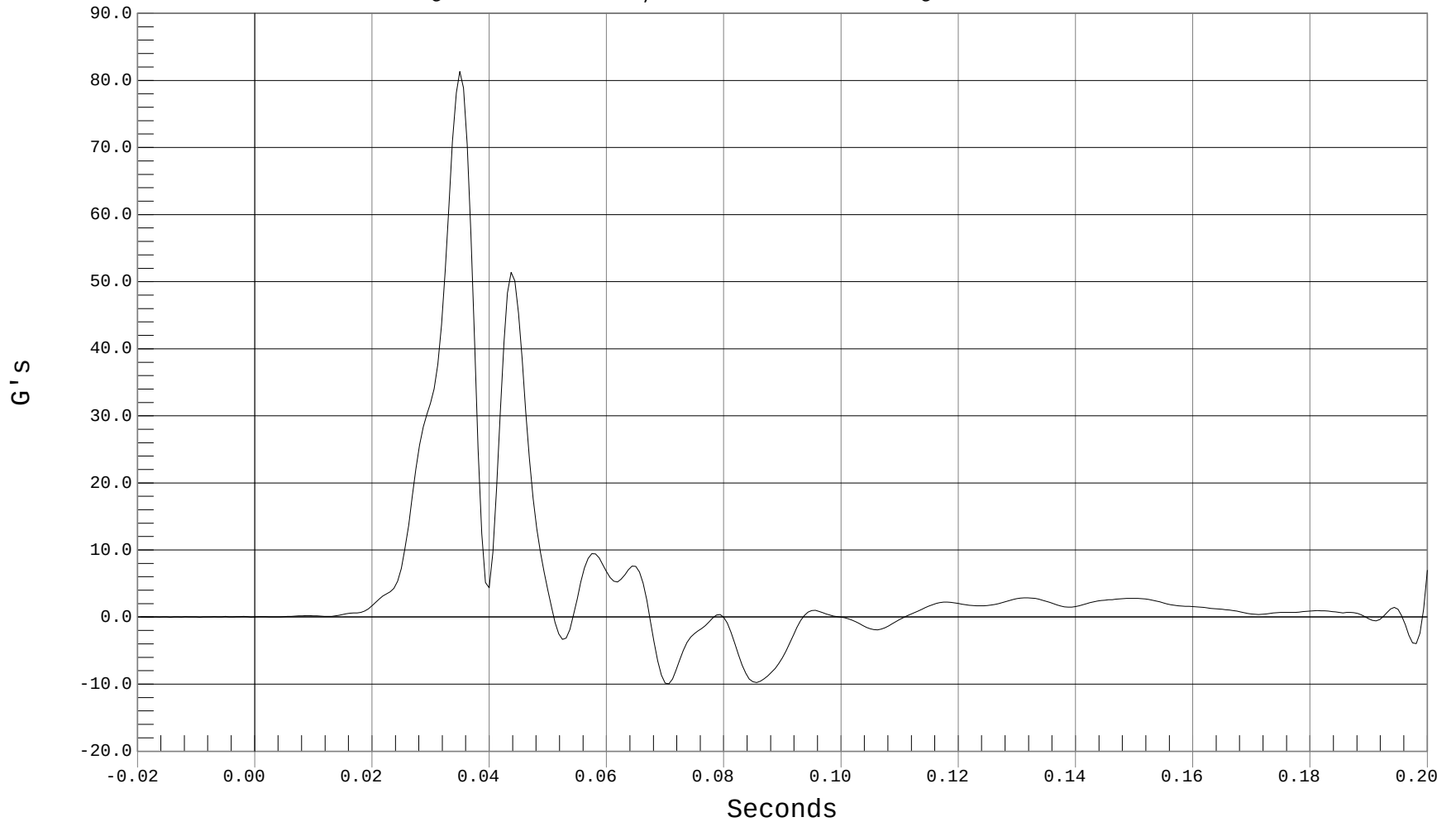
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Fir Filtered

— 1 DRIVER UPPER RIB Y, B01022FI.R04

Ymin = -9.97 G's @ 0.0705 Seconds, Ymax = 81.34 G's @ 0.0349 Seconds





DRIVER UPPER RIB Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

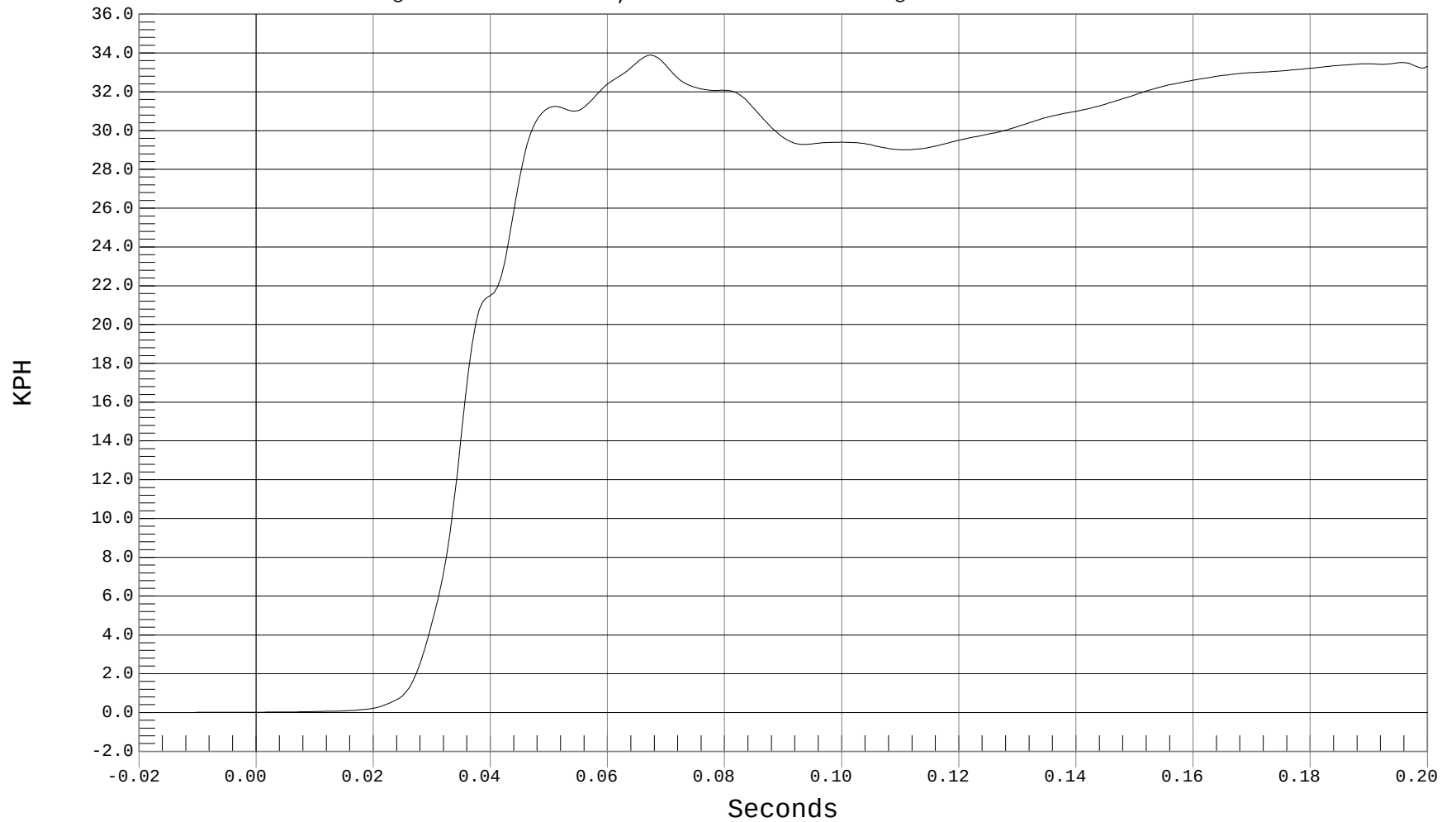
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER UPPER RIB Y VELOCITY, B01022FI.V04

Ymin = 0 KPH @ -0.0195 Seconds, Ymax = 33.89 KPH @ 0.0674 Seconds





DRIVER LOWER RIB Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

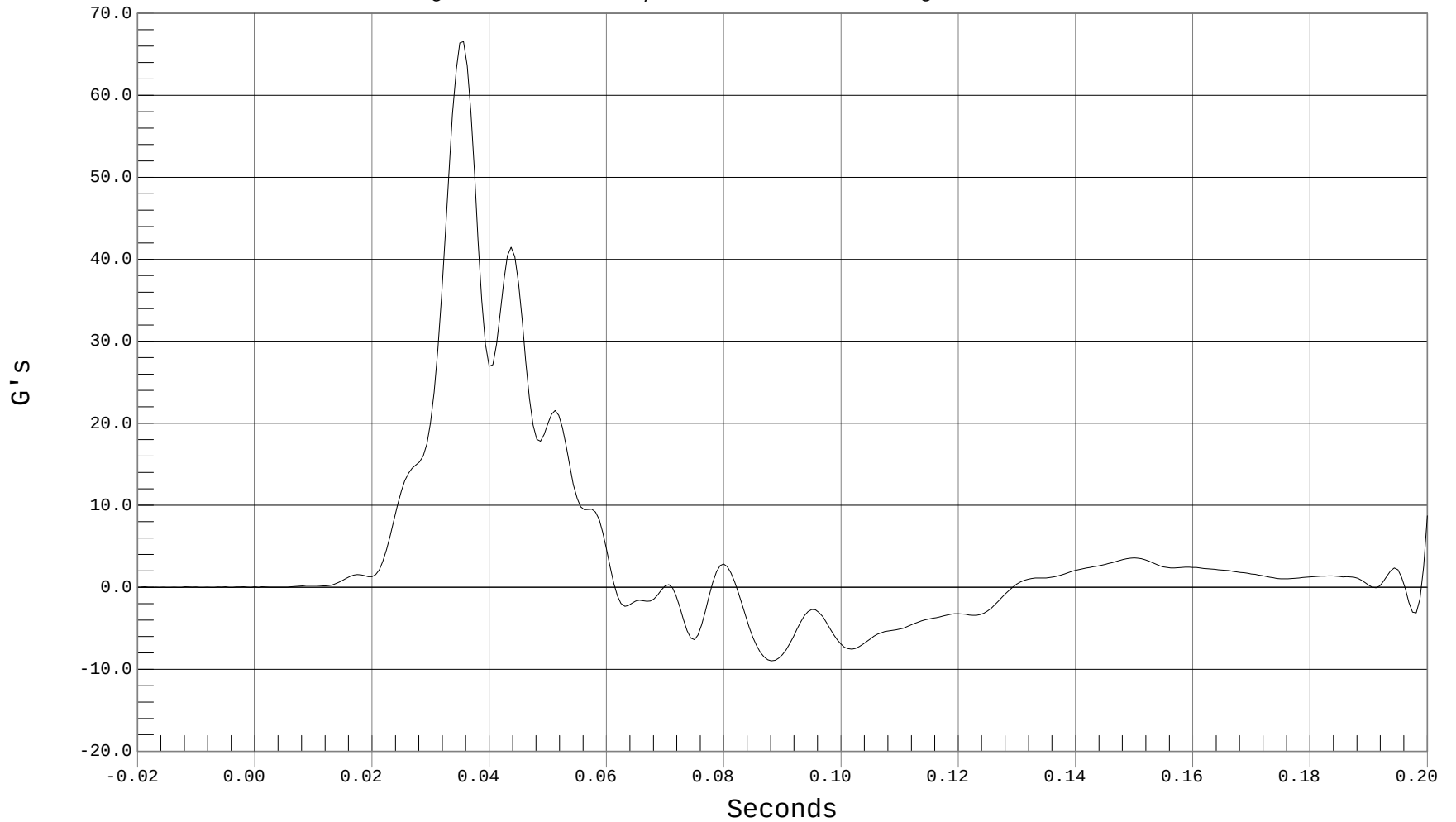
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER LOWER RIB Y, B01022FI.R05

Ymin = -8.97 G's @ 0.0880 Seconds, Ymax = 66.56 G's @ 0.0355 Seconds





DRIVER LOWER RIB Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

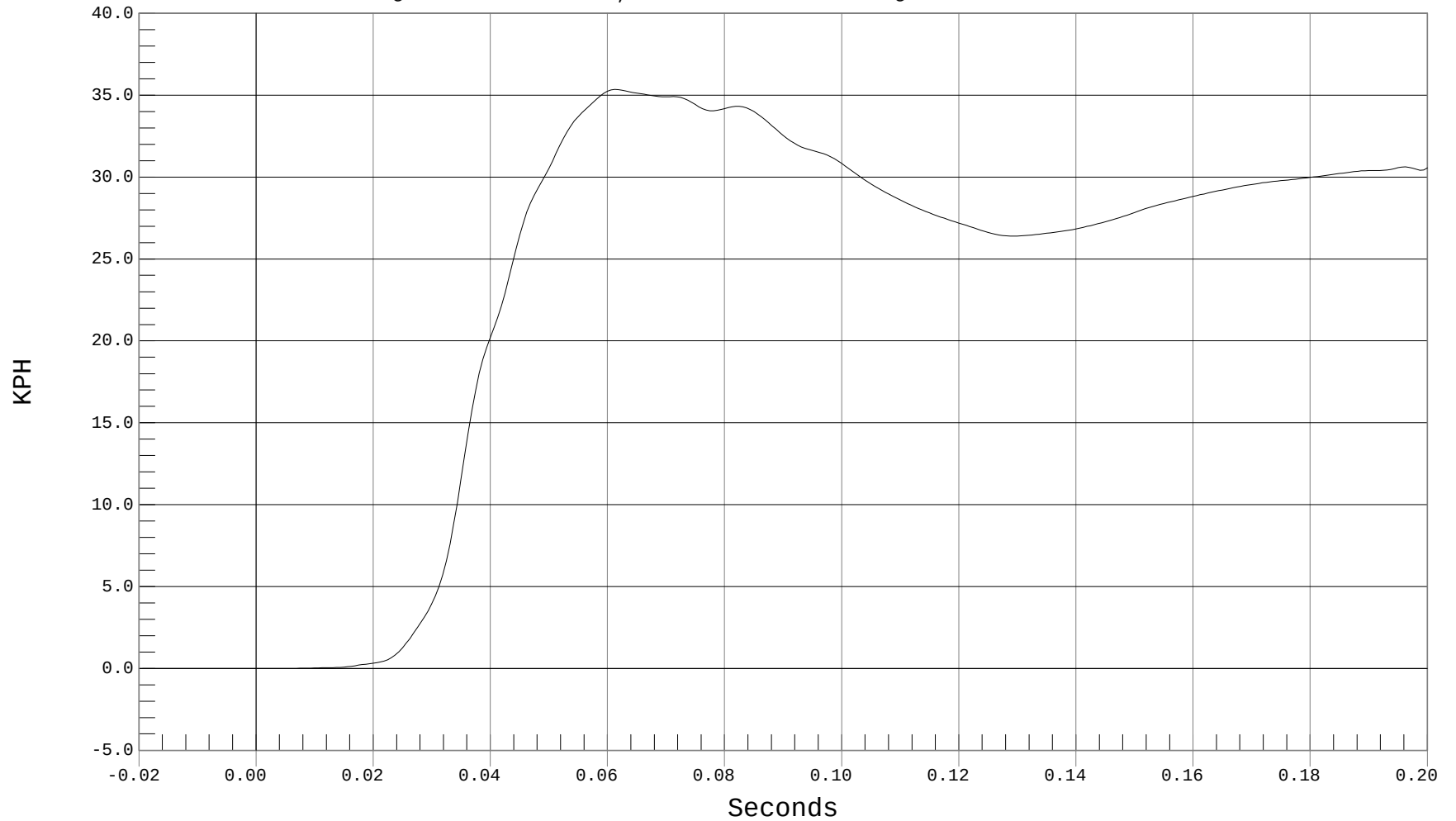
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER LOWER RIB Y VELOCITY, B01022FI.V05

Ymin = 0 KPH @ -0.0064 Seconds, Ymax = 35.35 KPH @ 0.0612 Seconds





DRIVER LOWER SPINE Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

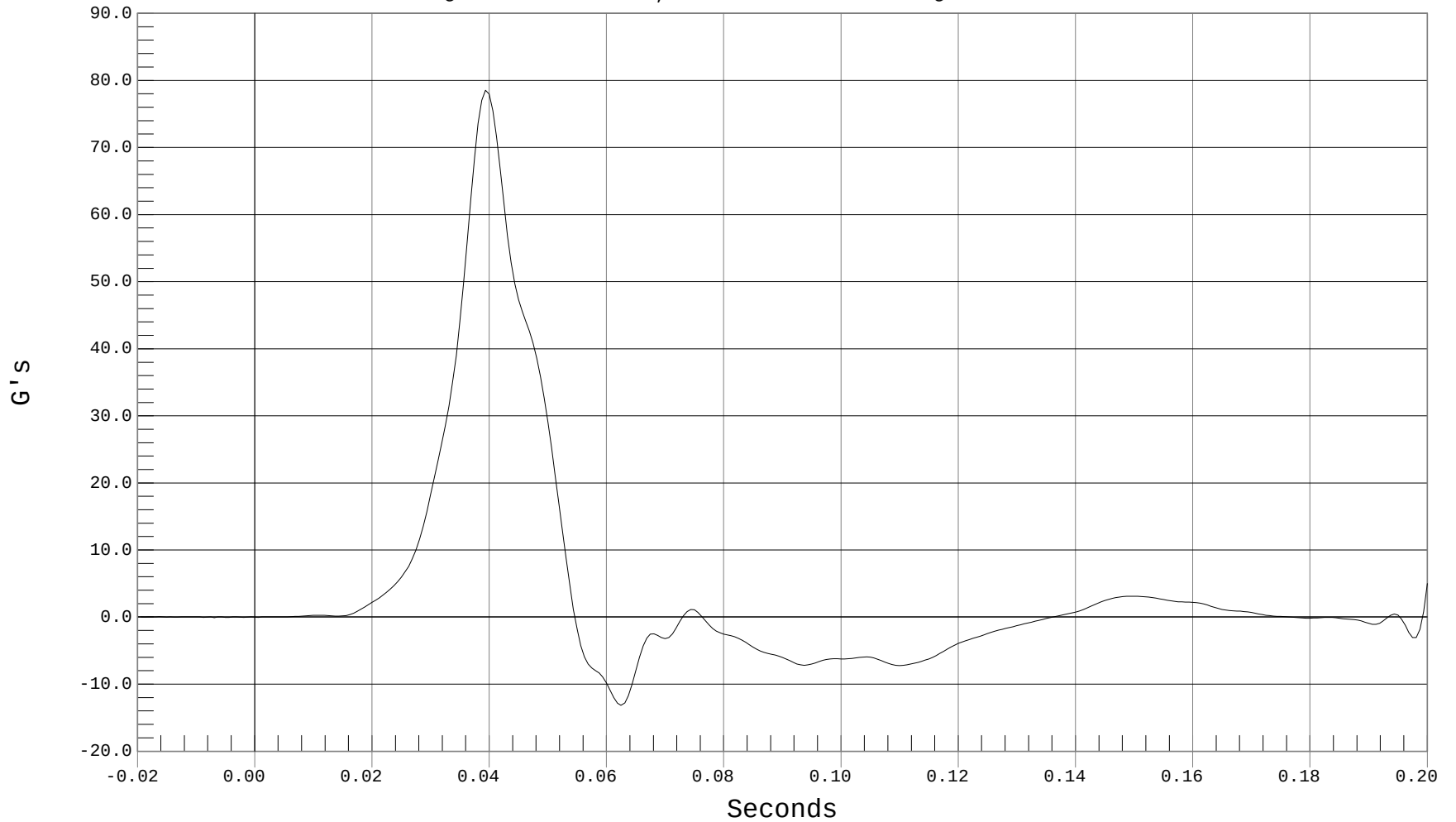
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER LOWER SPINE Y, B01022FI.R06

Ymin = -13.16 G's @ 0.0624 Seconds, Ymax = 78.54 G's @ 0.0393 Seconds





DRIVER LOWER SPINE Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

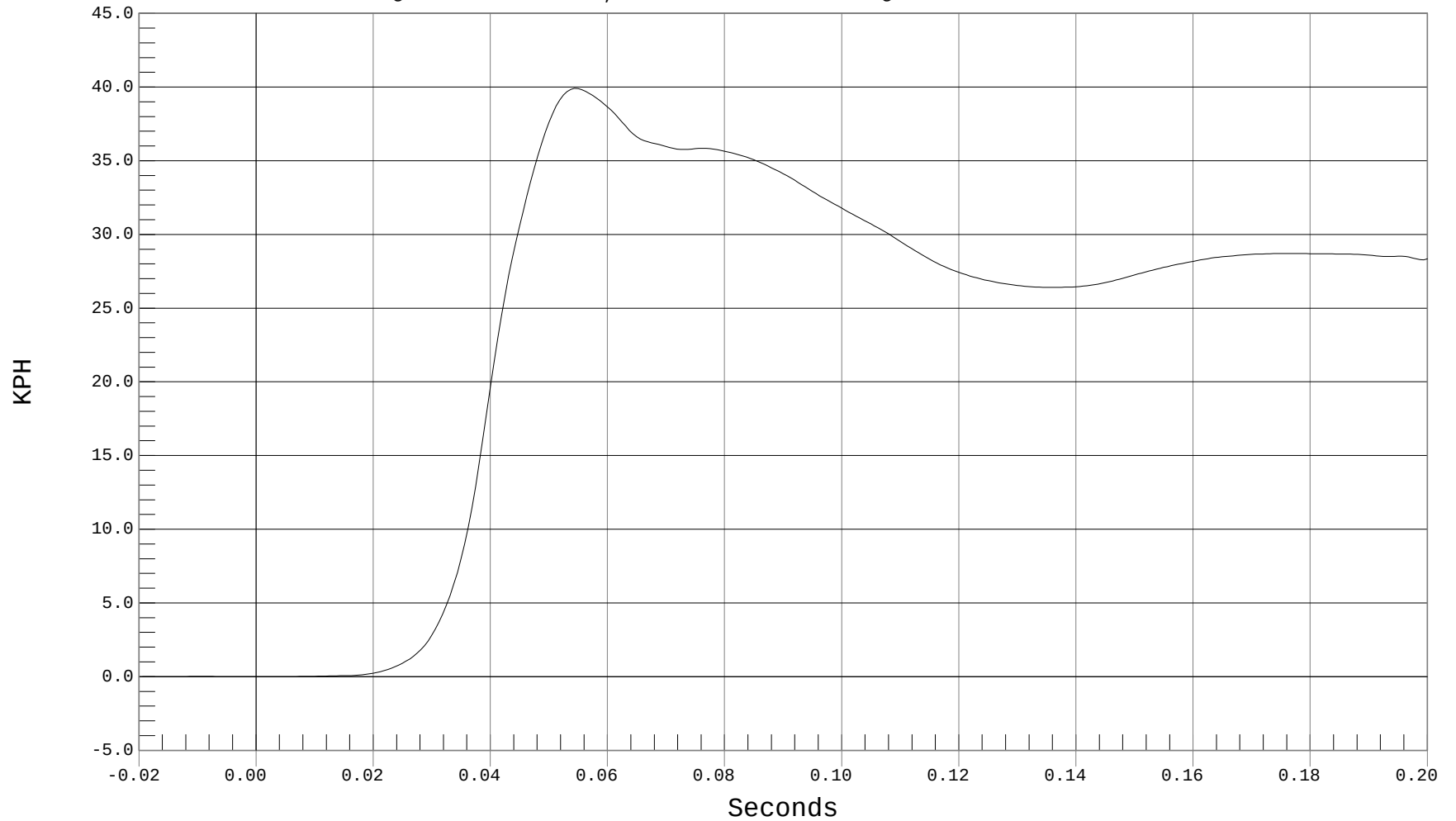
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER LOWER SPINE Y VELOCITY, B01022FI.V06

Ymin = 0 KPH @ 0.0012 Seconds, Ymax = 39.91 KPH @ 0.0543 Seconds





DRIVER PELVIS Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

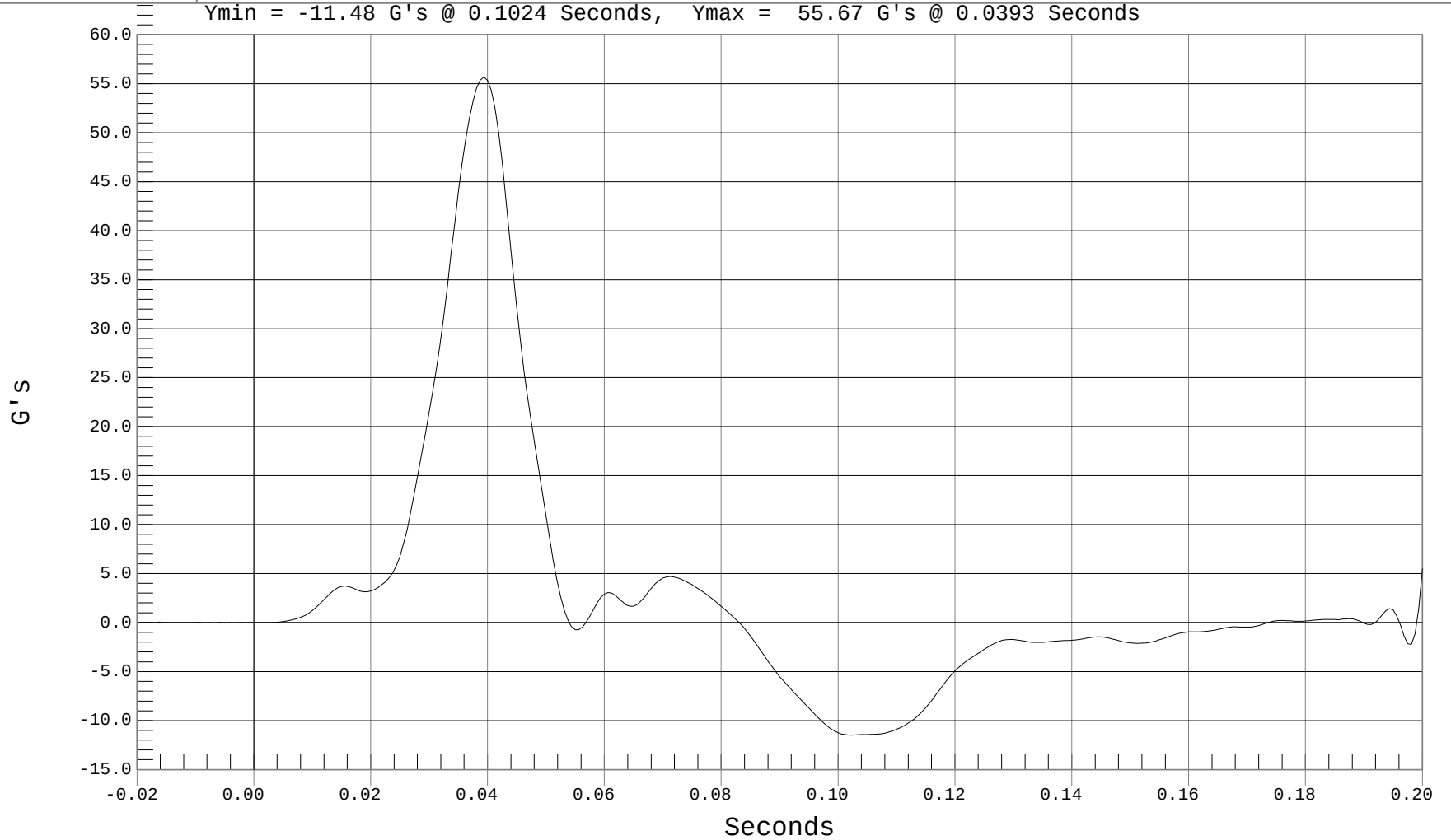
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER PELVIS Y, B01022FI.R07

Ymin = -11.48 G's @ 0.1024 Seconds, Ymax = 55.67 G's @ 0.0393 Seconds





DRIVER PELVIS Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

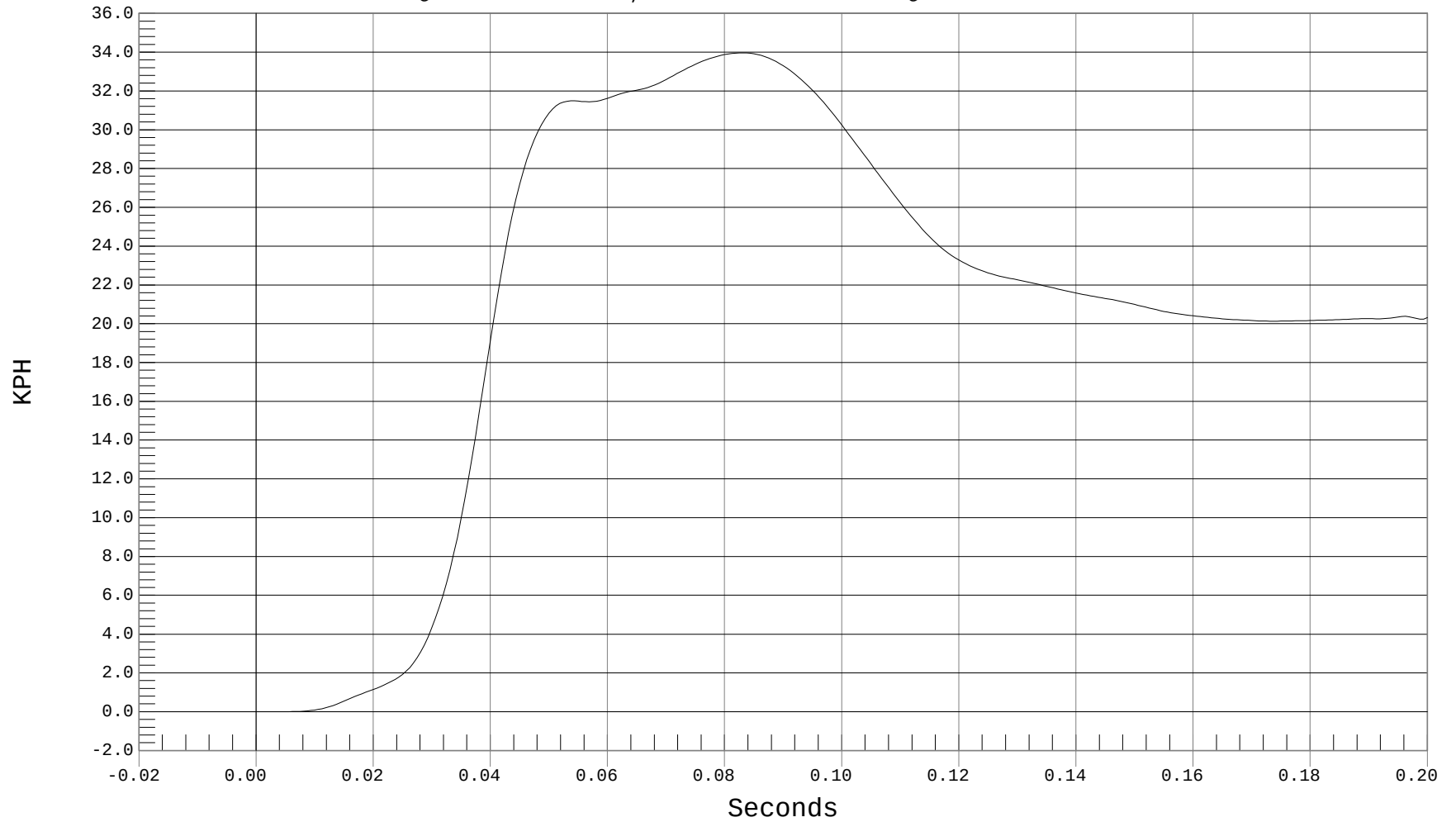
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER PELVIS Y VELOCITY, B01022FI.V07

Ymin = -.01 KPH @ 0.0030 Seconds, Ymax = 33.96 KPH @ 0.0830 Seconds





REAR PASSENGER UPPER RIB Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

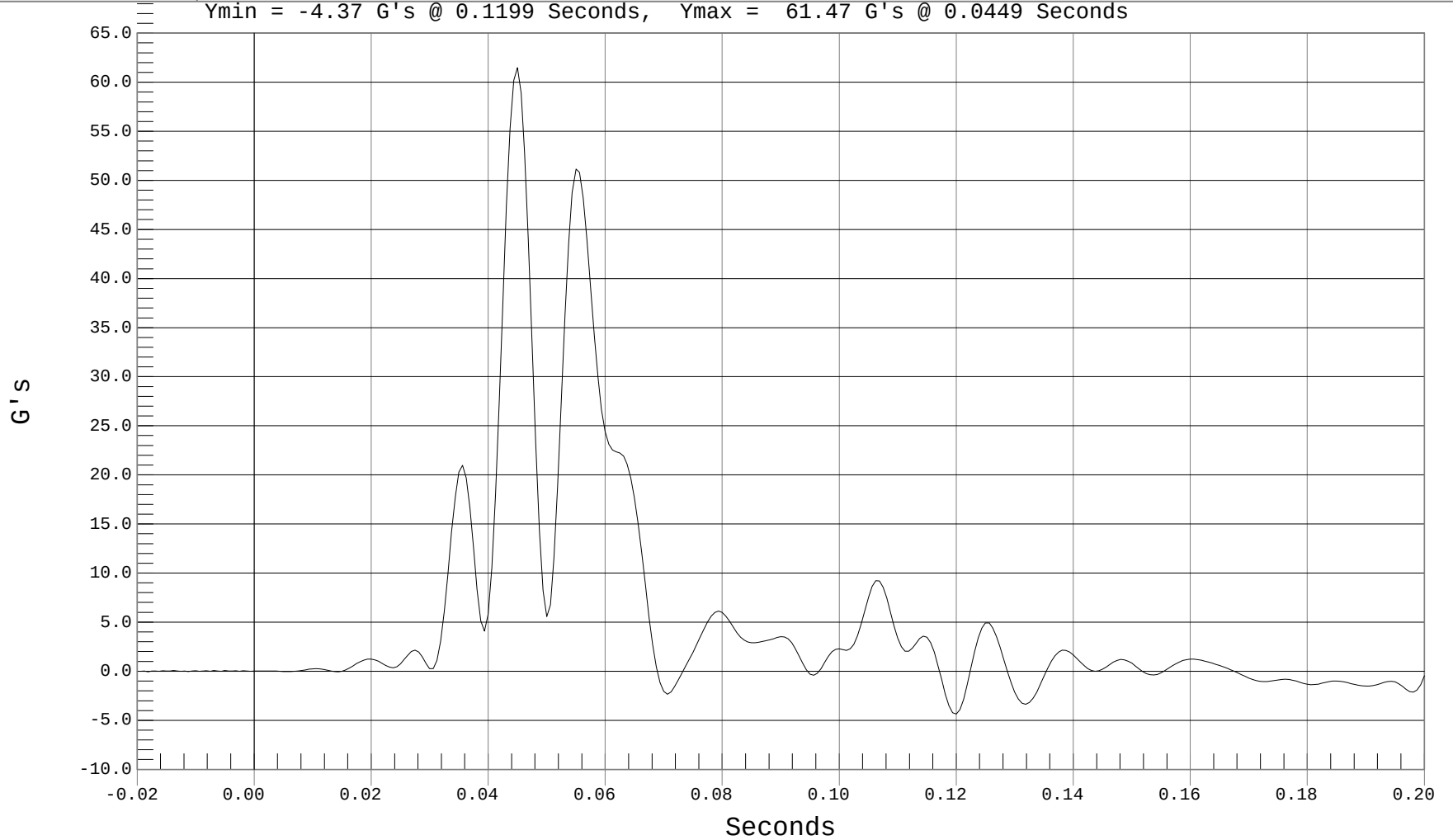
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 PASSENGER UPPER RIB Y, B01022FI.R11

Ymin = -4.37 G's @ 0.1199 Seconds, Ymax = 61.47 G's @ 0.0449 Seconds



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REAR PASSENGER UPPER RIB Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

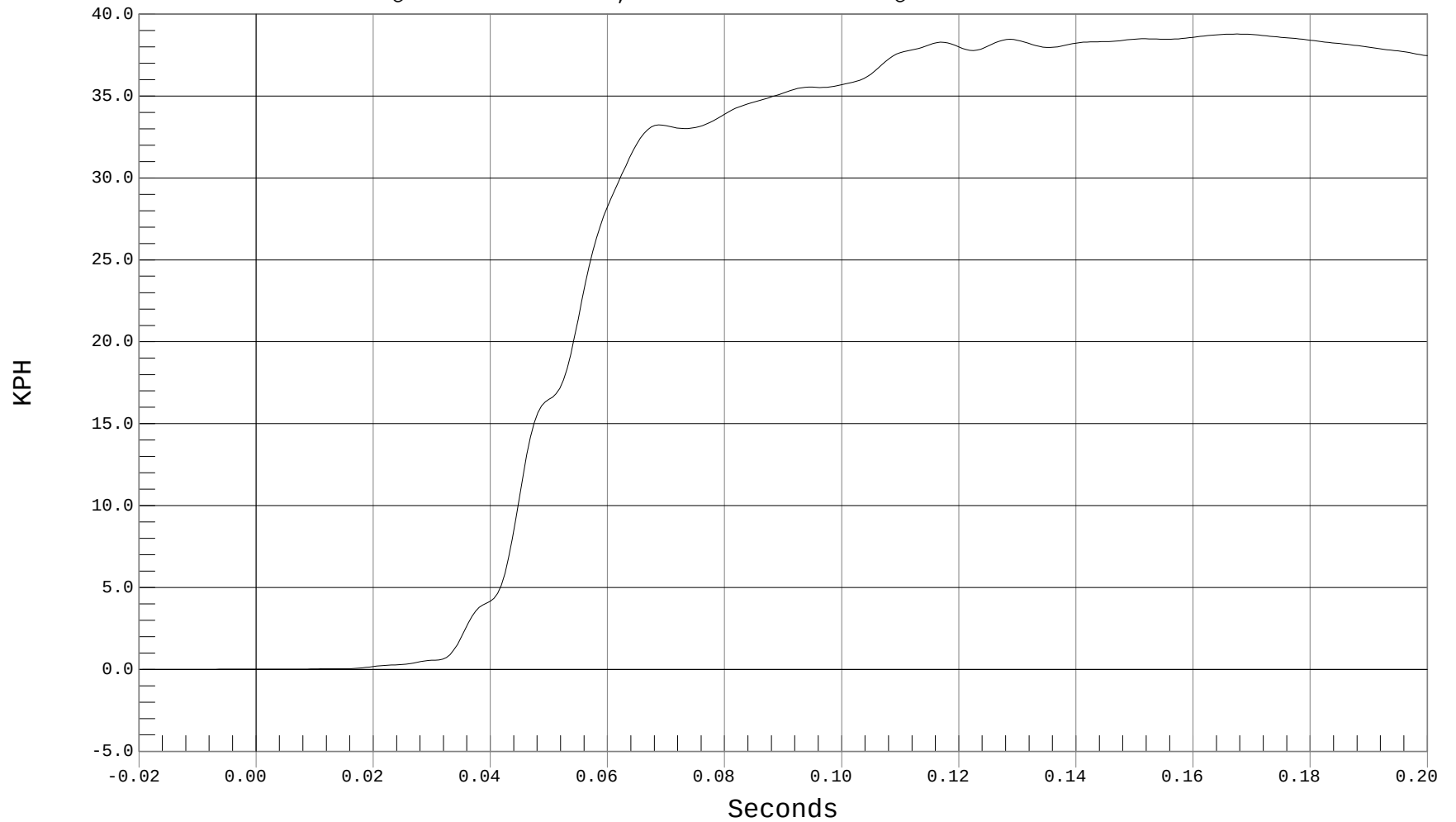
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 REAR PASSENGER UPPER RIB Y VELOCITY, B01022FI.V11

Ymin = 0 KPH @ -0.0176 Seconds, Ymax = 38.79 KPH @ 0.1674 Seconds





REAR PASSENGER LOWER RIB Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

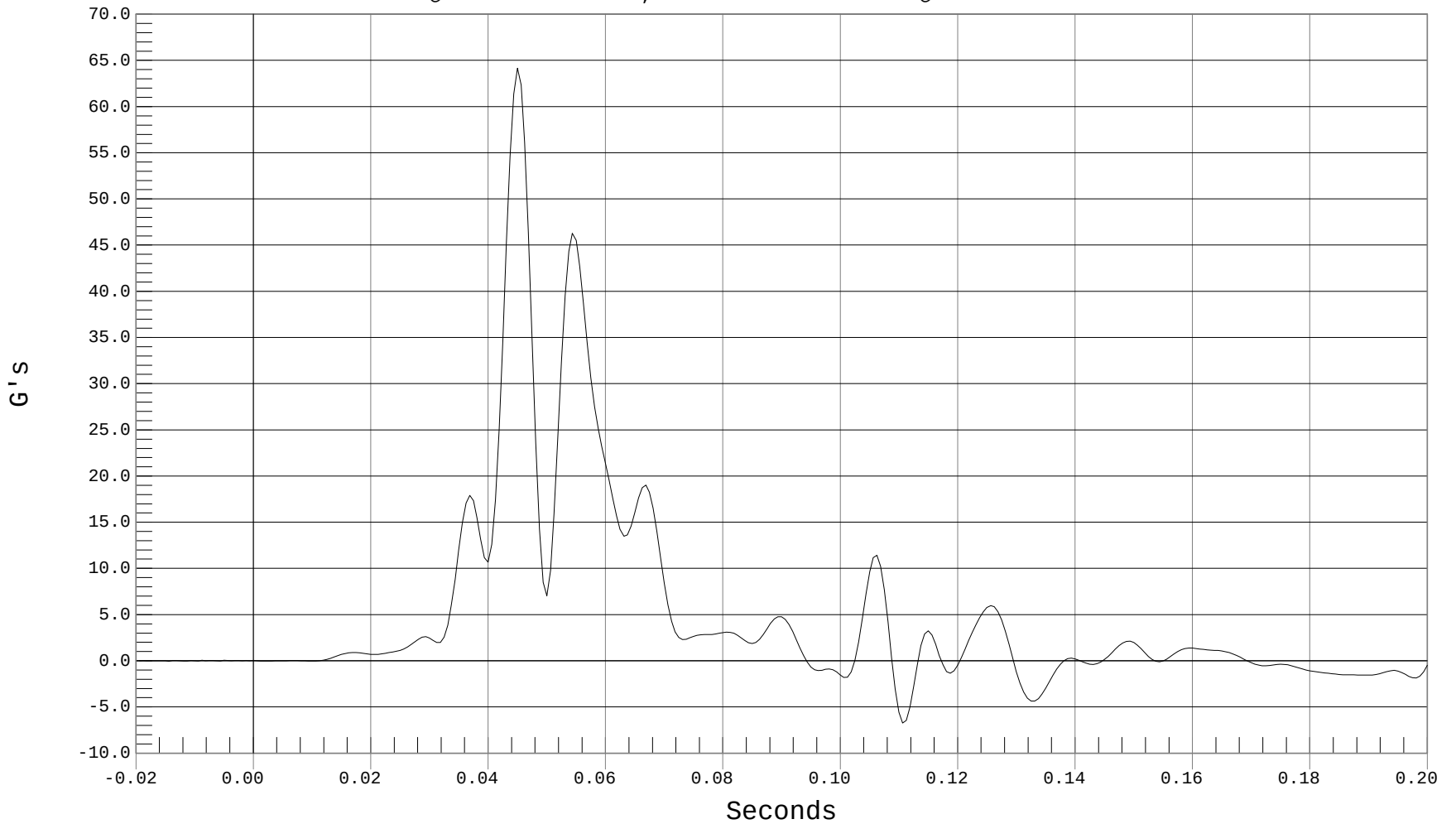
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 PASSENGER LOWER RIB Y, B01022FI.R12

Ymin = -6.73 G's @ 0.1105 Seconds, Ymax = 64.16 G's @ 0.0449 Seconds





REAR PASSENGER LOWER RIB Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

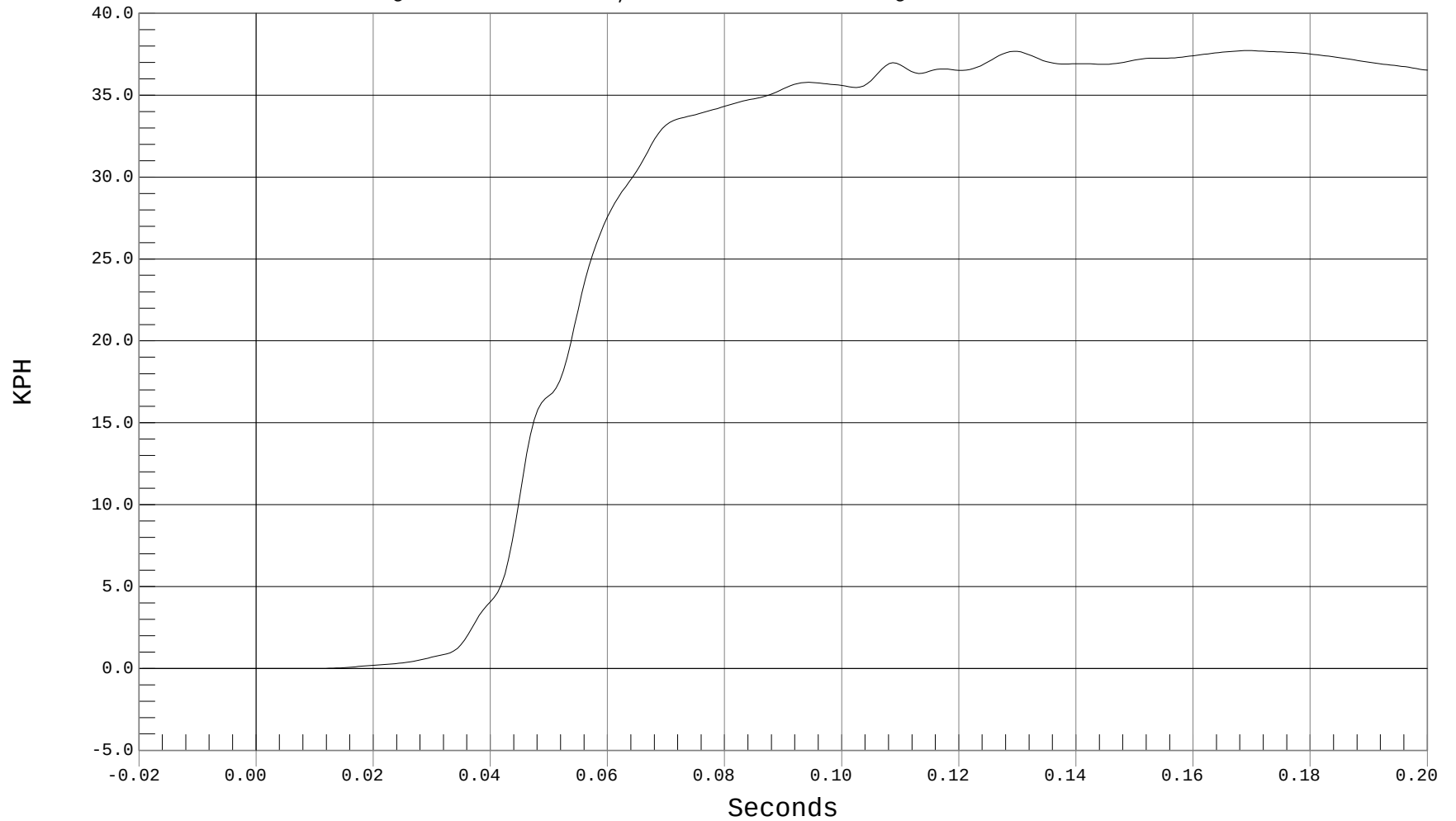
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 REAR PASSENGER LOWER RIB Y VELOCITY, B01022FI.V12

Ymin = 0 KPH @ -0.0139 Seconds, Ymax = 37.72 KPH @ 0.1693 Seconds





REAR PASSENGER LOWER SPINE Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

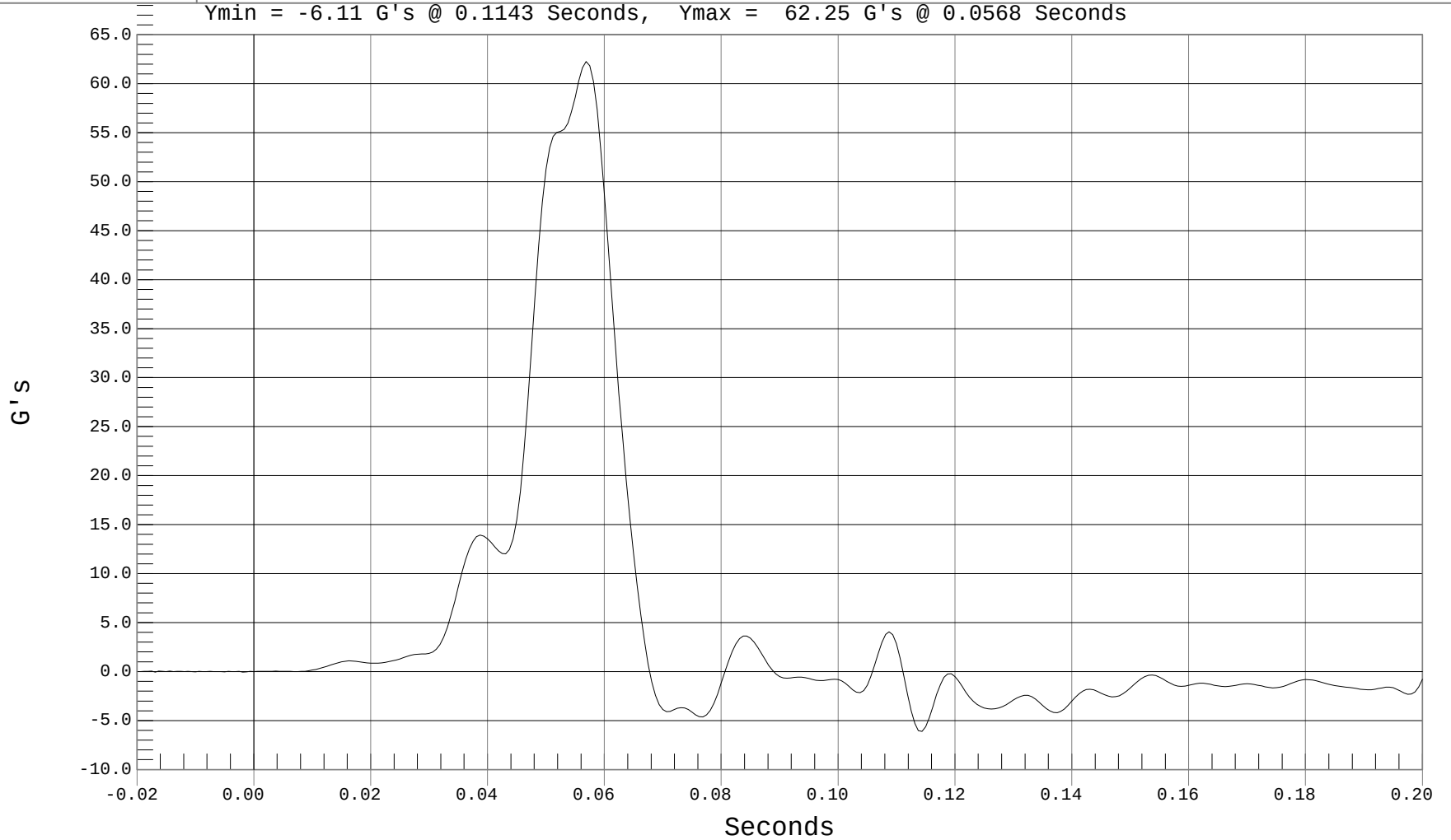
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 PASSENGER LOWER SPINE Y, B01022FI.R13

Ymin = -6.11 G's @ 0.1143 Seconds, Ymax = 62.25 G's @ 0.0568 Seconds





REAR PASSENGER LOWER SPINE Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

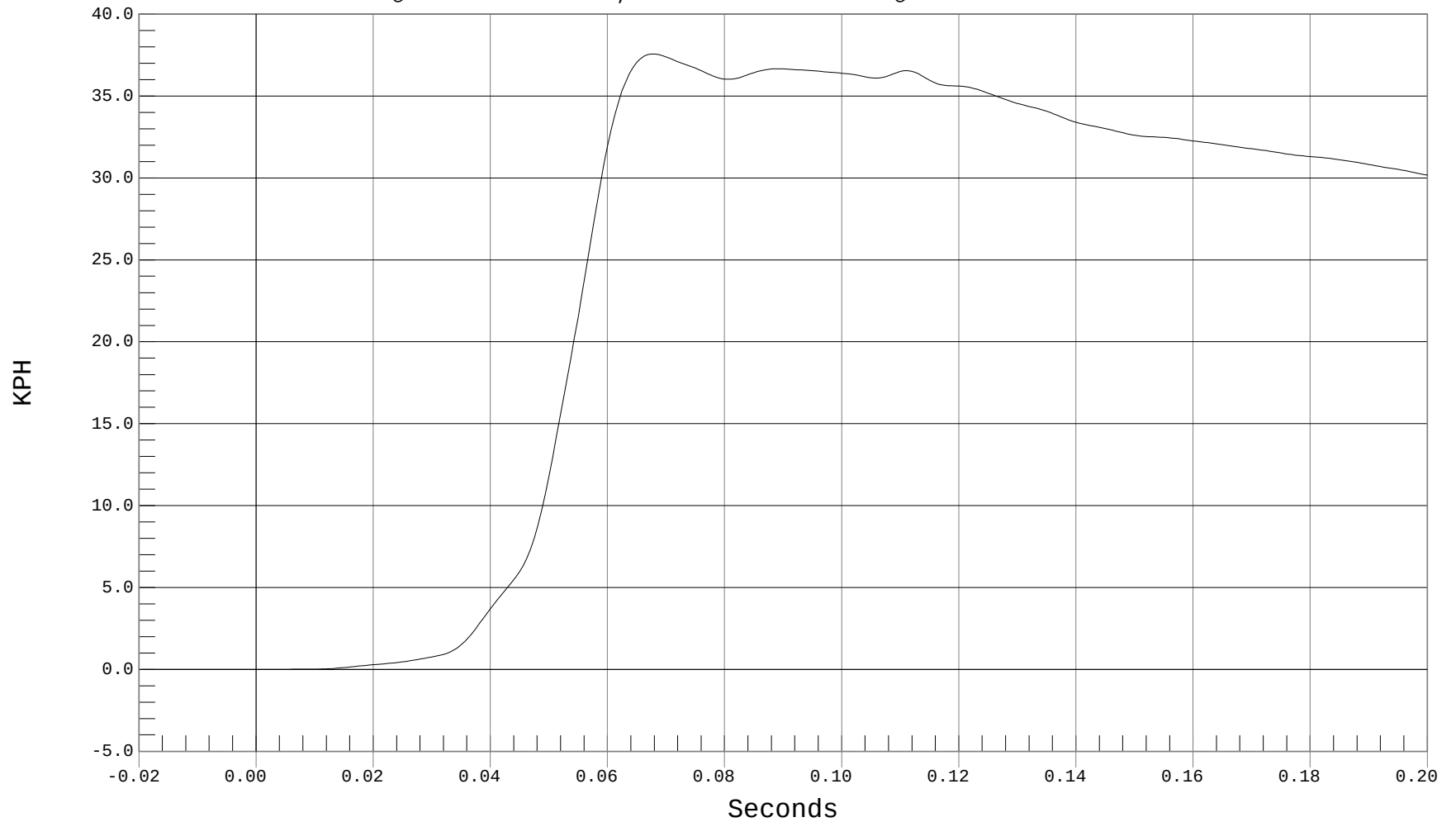
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 REAR PASSENGER LOWER SPINE Y VELOCITY, B01022FI.V13

Ymin = 0 KPH @ -0.0195 Seconds, Ymax = 37.58 KPH @ 0.0674 Seconds





REAR PASSENGER PELVIS Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

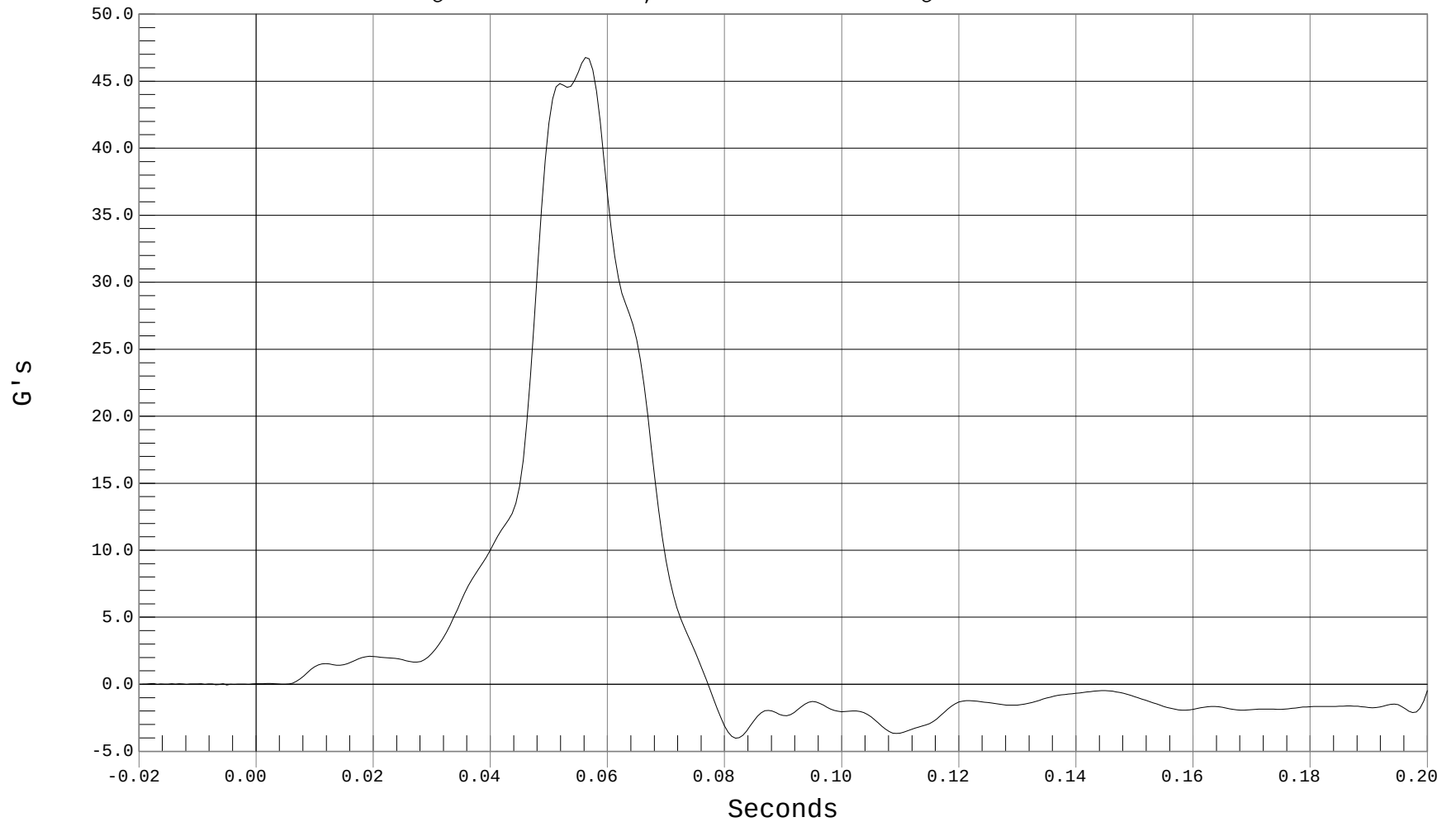
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 PASSENGER PELVIS Y, B01022FI.R14

Ymin = -4.02 G's @ 0.0818 Seconds, Ymax = 46.77 G's @ 0.0562 Seconds





REAR PASSENGER PELVIS Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

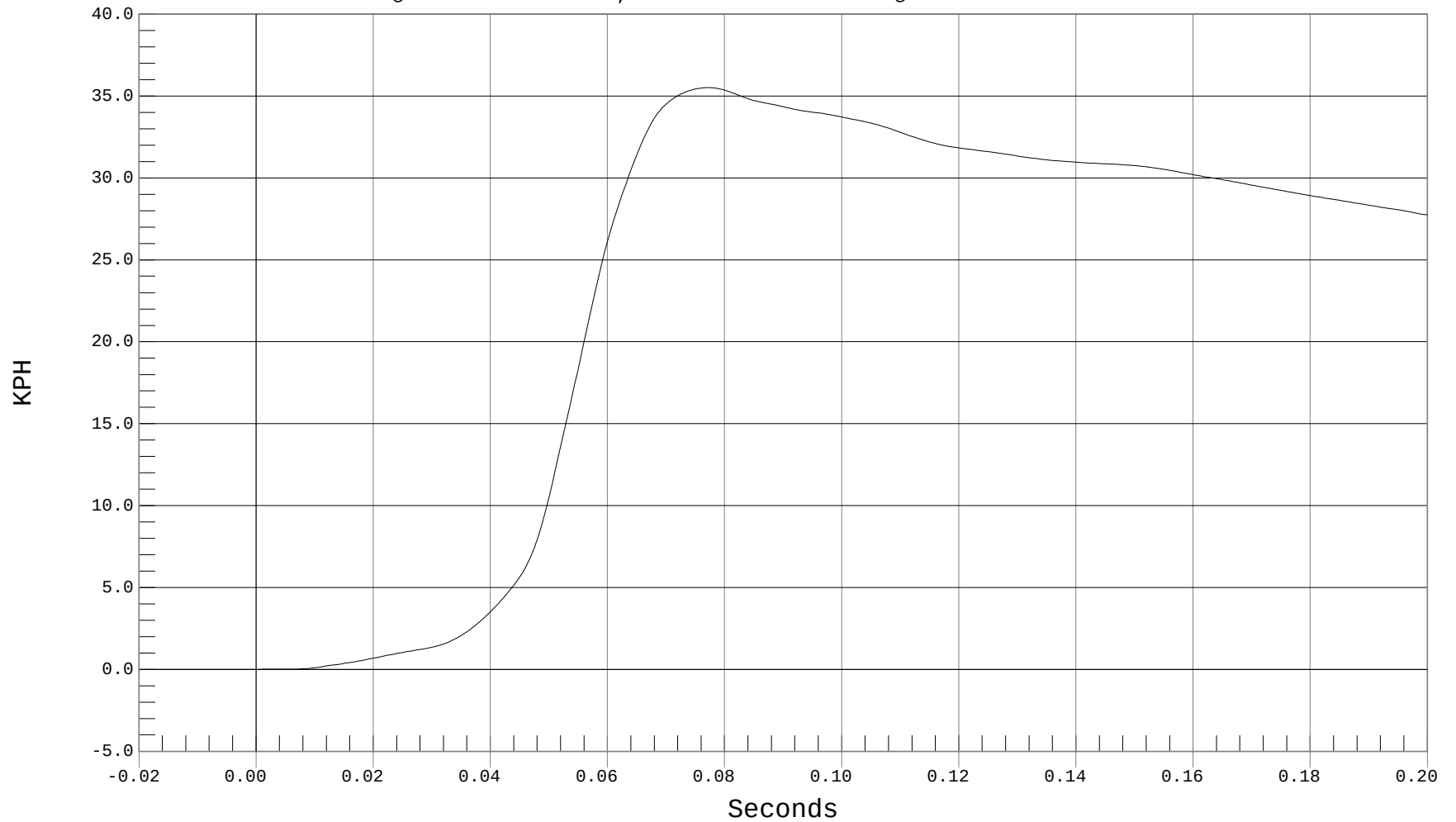
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 REAR PASSENGER PELVIS Y VELOCITY, B01022FI.V14

Ymin = 0 KPH @ -0.0195 Seconds, Ymax = 35.52 KPH @ 0.0774 Seconds





DRIVER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

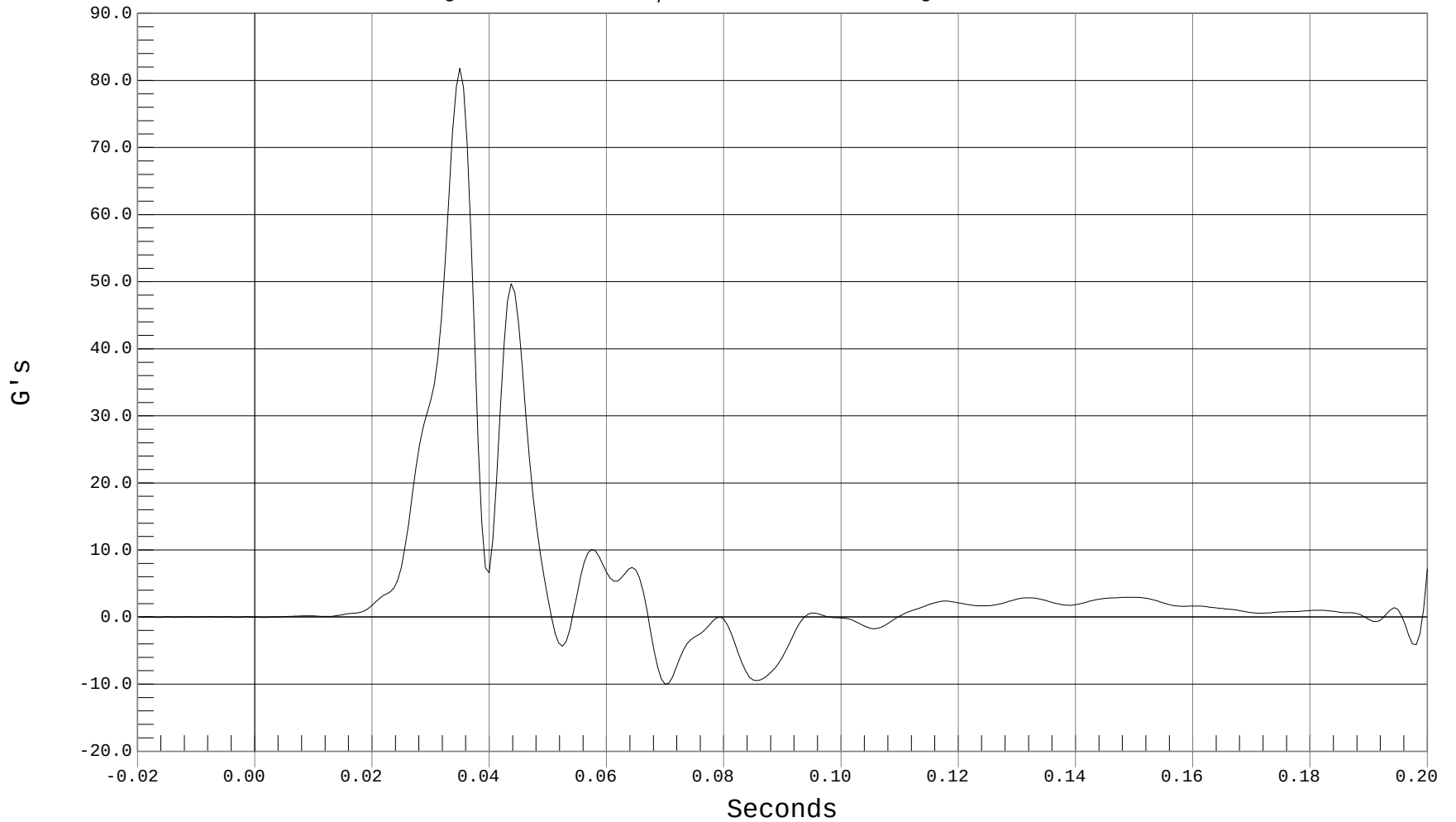
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER UPPER RIB Yr, B01022FI.R41

Ymin = -10.01 G's @ 0.0699 Seconds, Ymax = 81.8 G's @ 0.0349 Seconds





DRIVER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

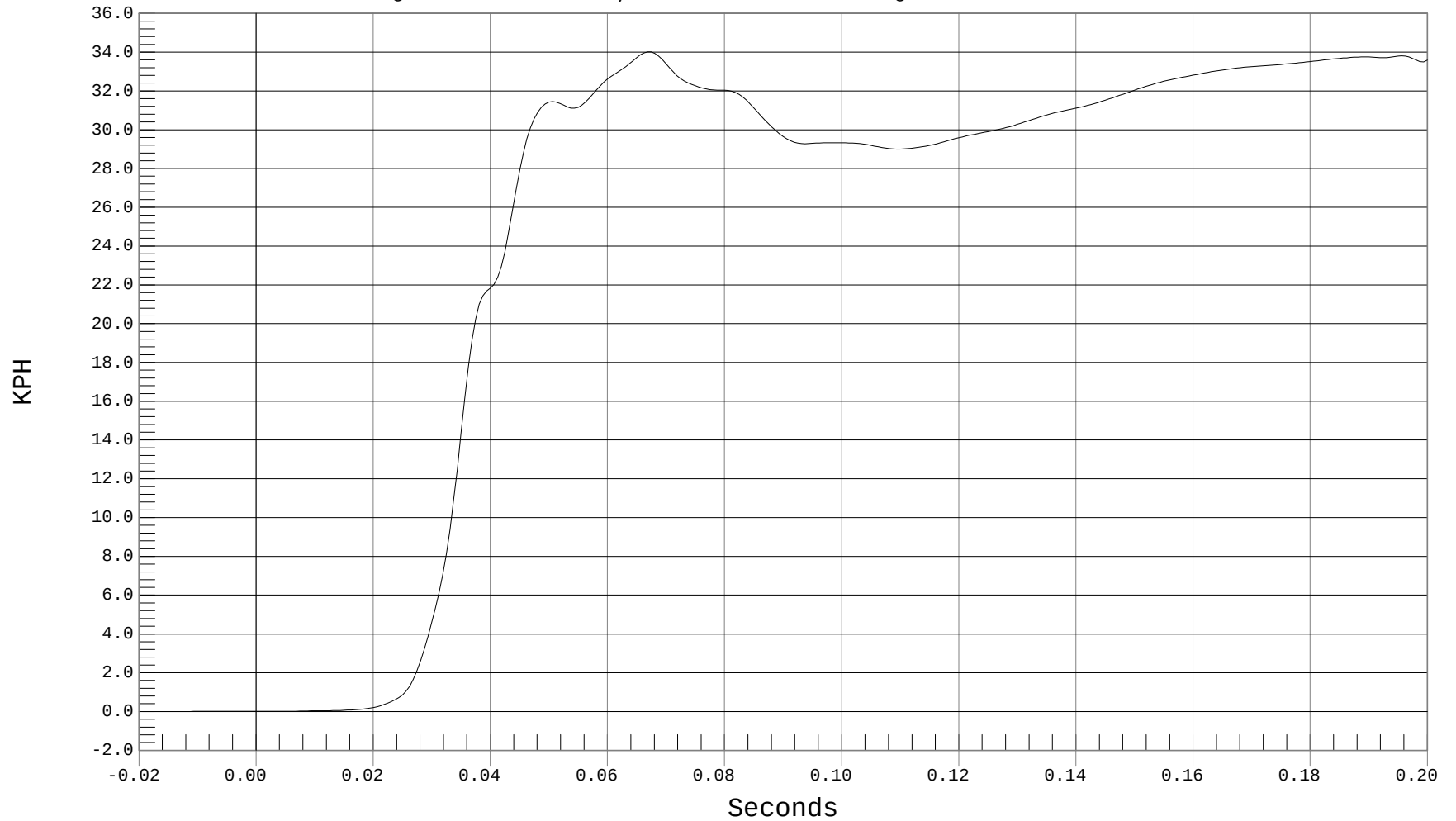
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER UPPER RIB Y REDUNDANT VELOCITY, B01022FI.V41

Ymin = 0 KPH @ -0.0157 Seconds, Ymax = 34.02 KPH @ 0.0668 Seconds





DRIVER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

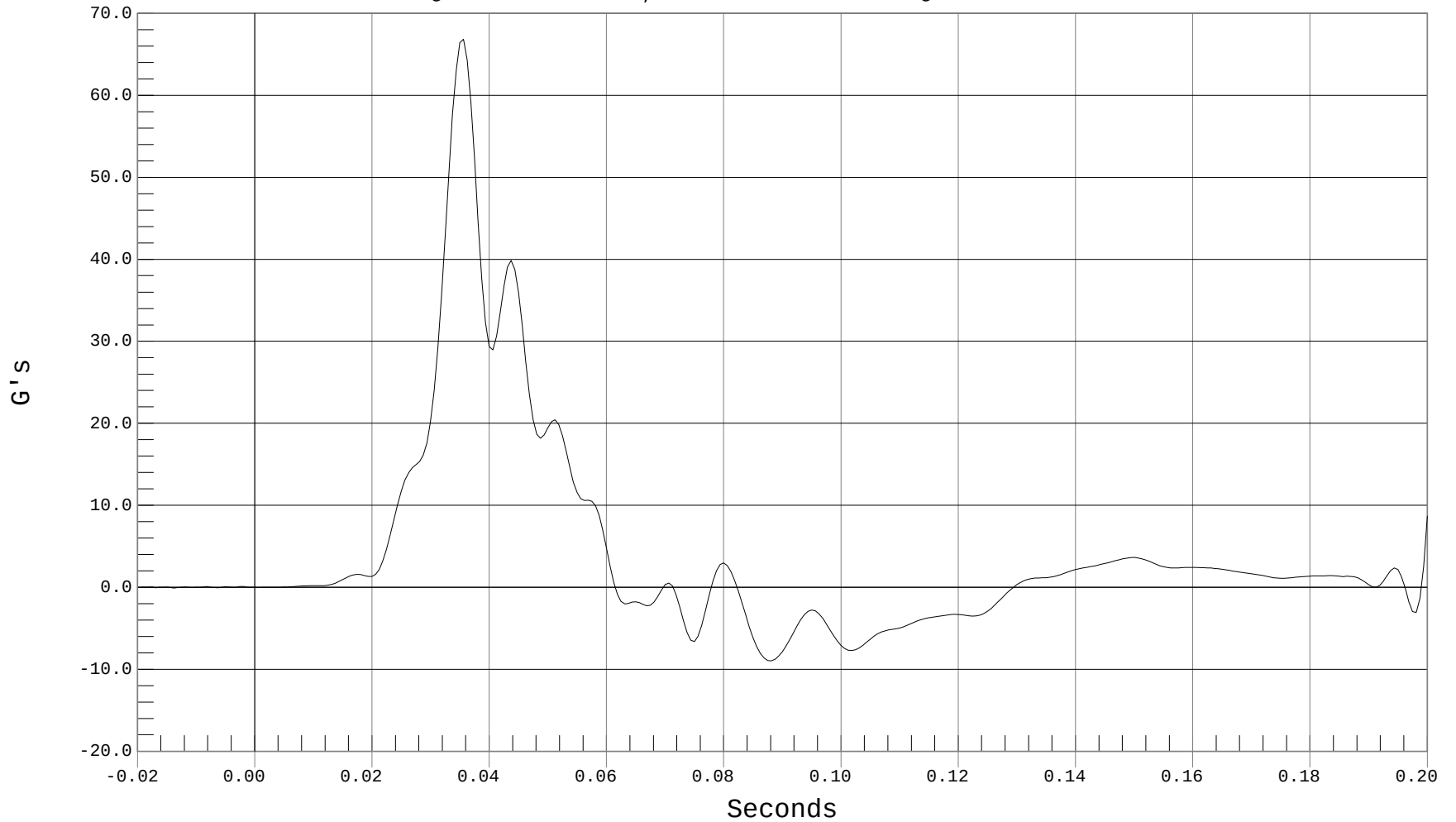
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER LOWER RIB Yr, B01022FI.R42

Ymin = -8.97 G's @ 0.0880 Seconds, Ymax = 66.84 G's @ 0.0355 Seconds





DRIVER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

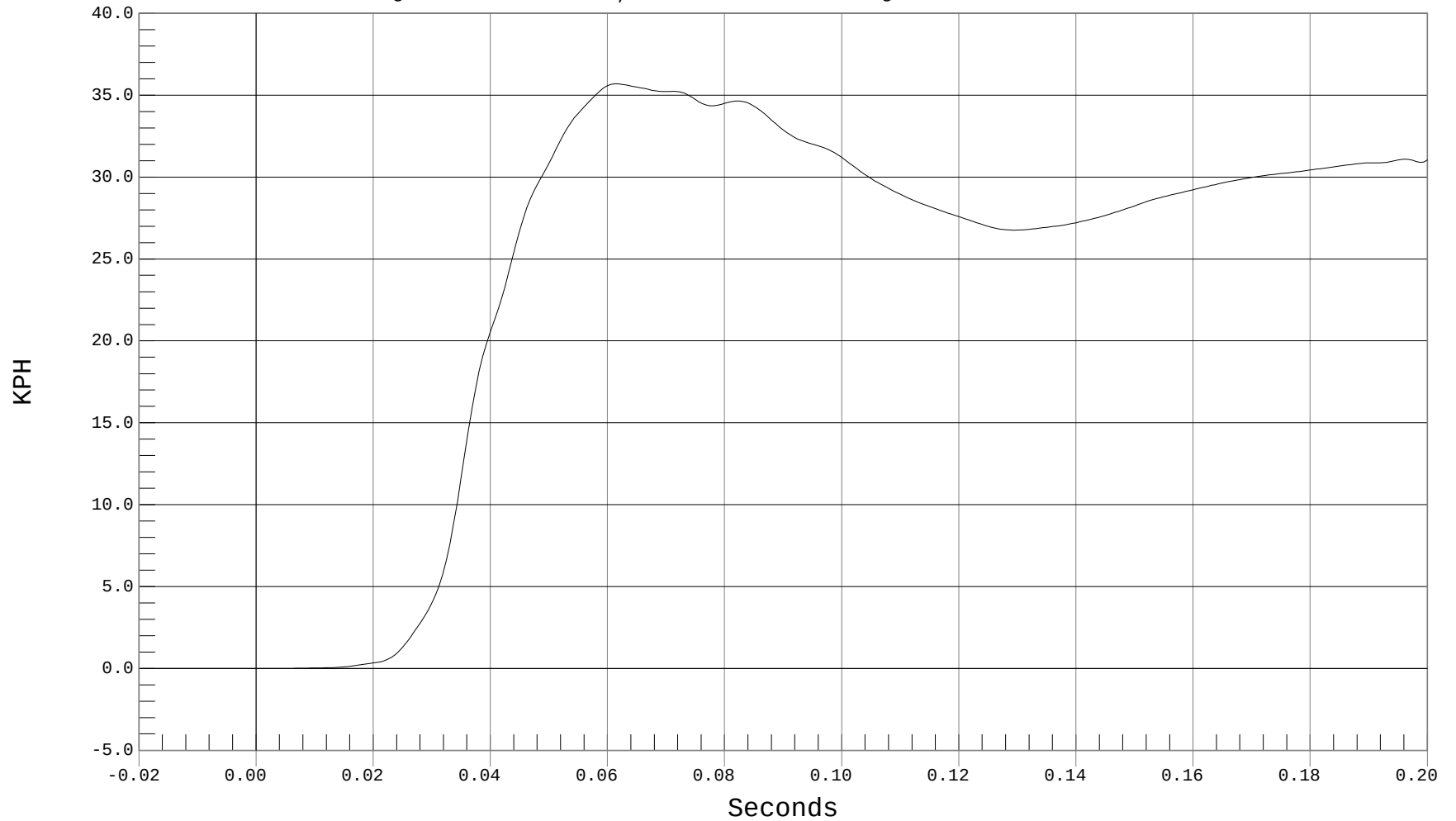
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER LOWER RIB Y REDUNDANT VELOCITY, B01022FI.V42

Ymin = 0 KPH @ -0.0095 Seconds, Ymax = 35.7 KPH @ 0.0612 Seconds





DRIVER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

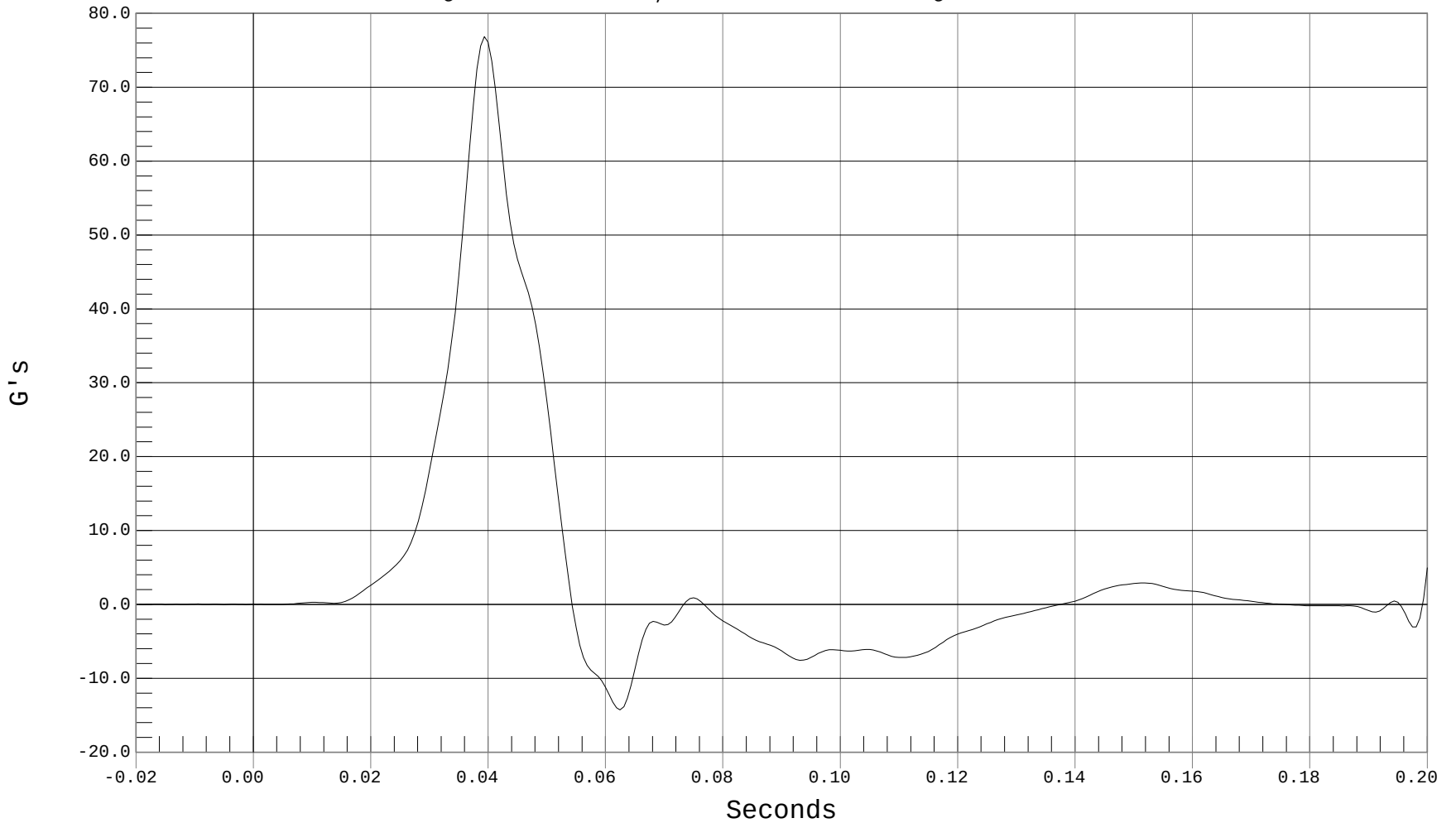
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER LOWER SPINE Yr, B01022FI.R43

Ymin = -14.26 G's @ 0.0624 Seconds, Ymax = 76.85 G's @ 0.0393 Seconds





DRIVER LOWER SPINE REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

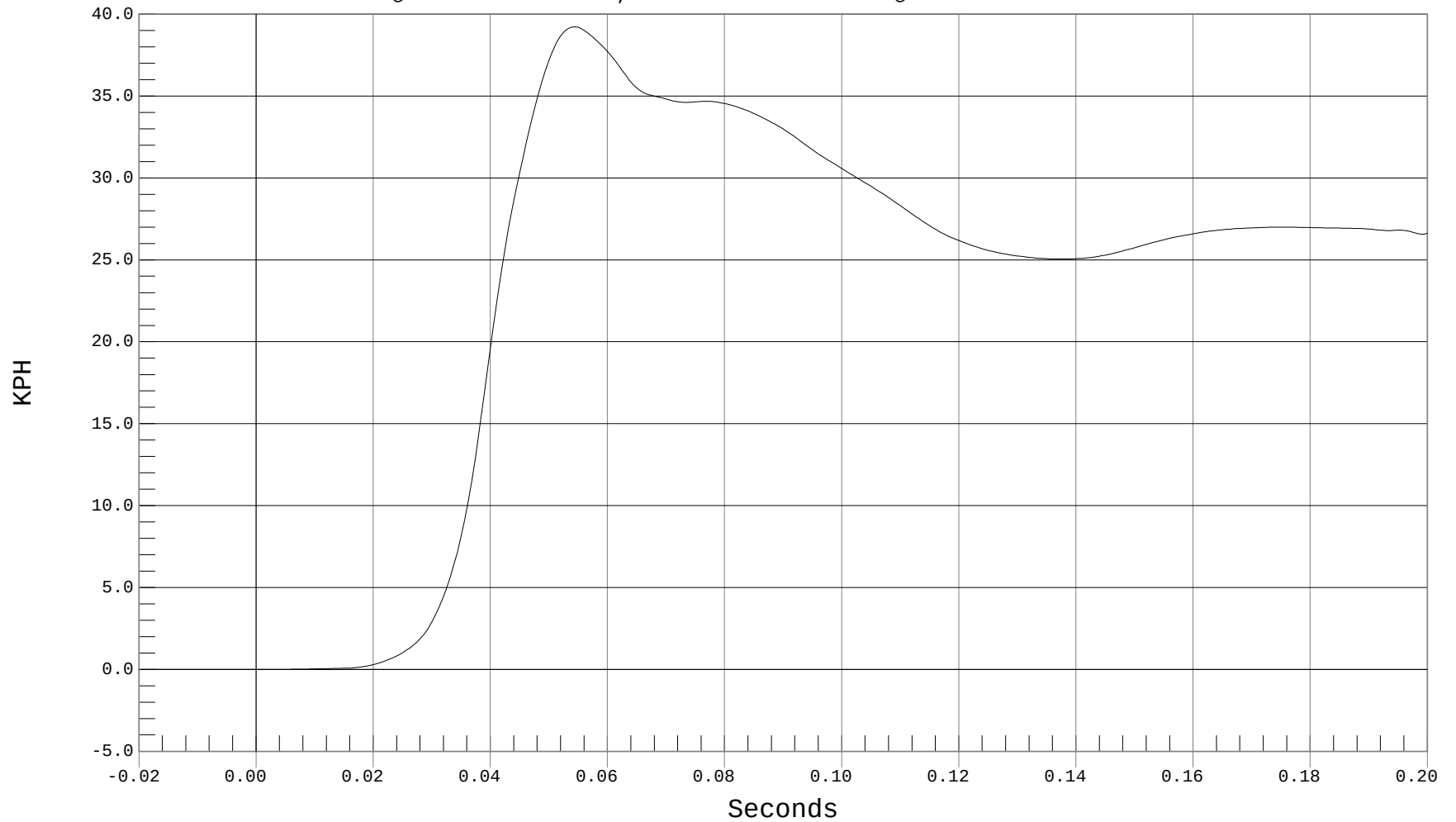
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER LOWER SPINE Y REDUNDANT VELOCITY, B01022FI.V43

Ymin = 0 KPH @ -0.0176 Seconds, Ymax = 39.23 KPH @ 0.0543 Seconds





DRIVER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

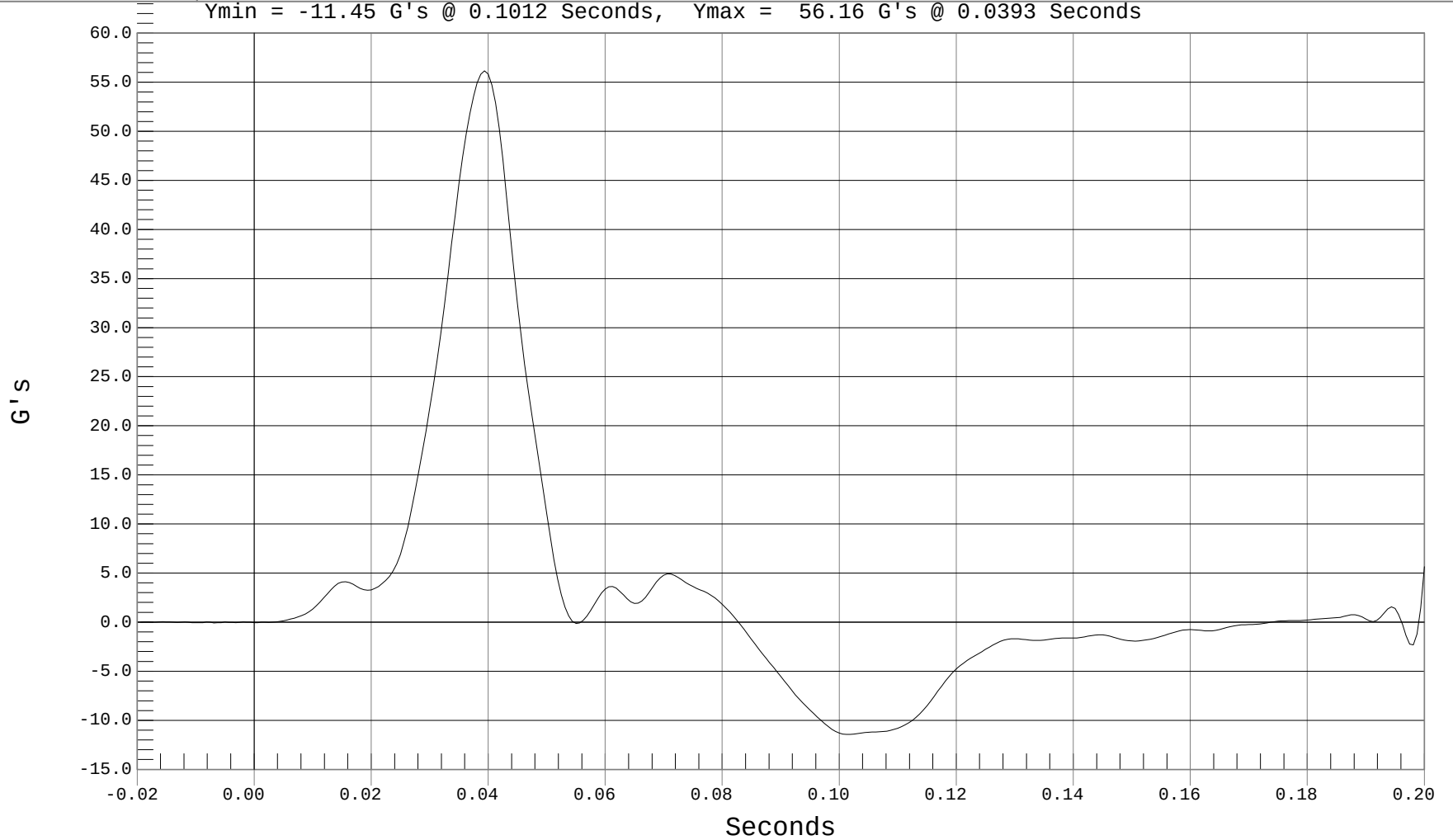
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER PELVIS Yr, B01022FI.R44

Ymin = -11.45 G's @ 0.1012 Seconds, Ymax = 56.16 G's @ 0.0393 Seconds





DRIVER PELVIS REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

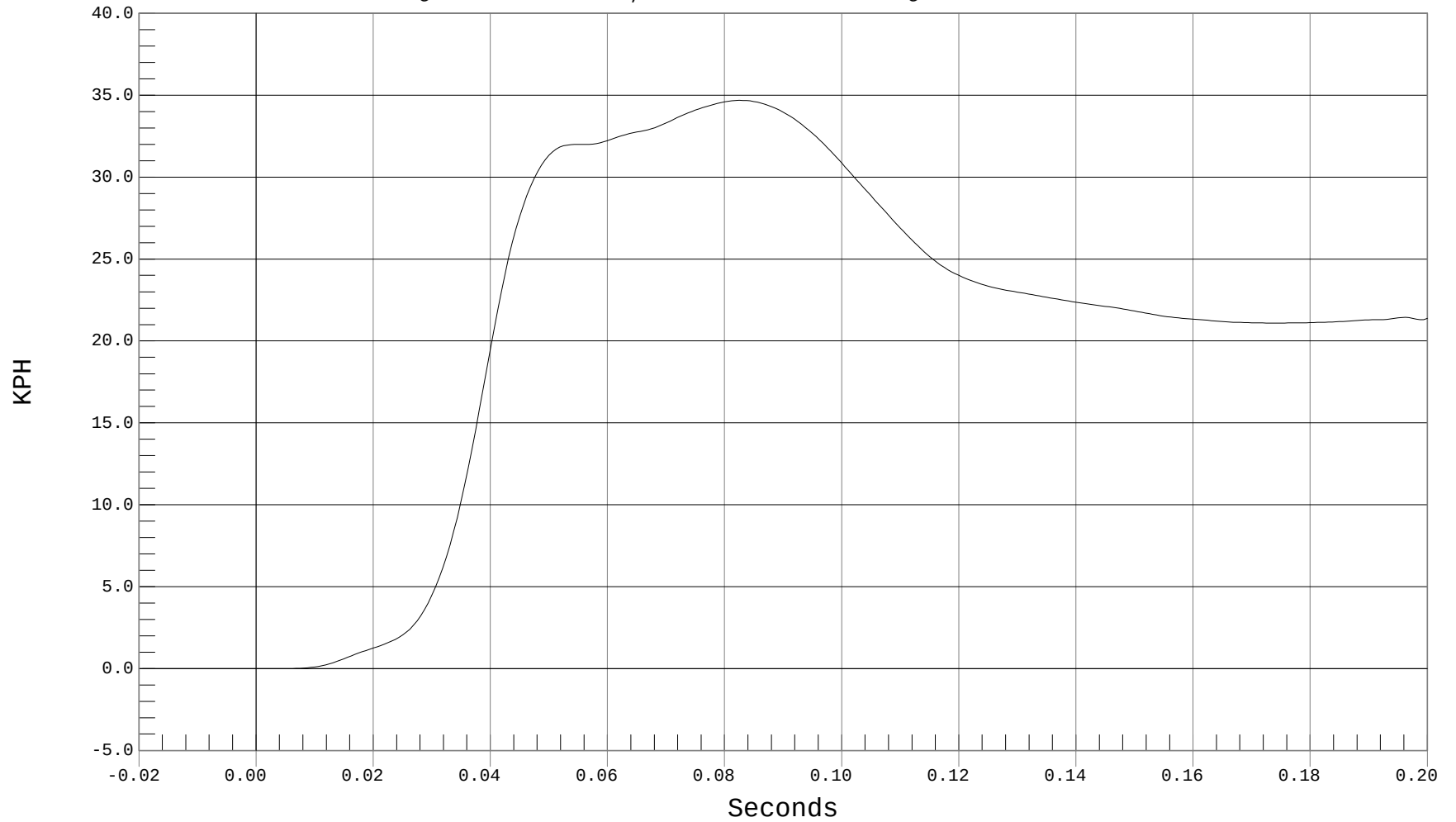
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 DRIVER PELVIS Y REDUNDANT VELOCITY, B01022FI.V44

Ymin = -.01 KPH @ 0.0030 Seconds, Ymax = 34.69 KPH @ 0.0824 Seconds





REAR PASSENGER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

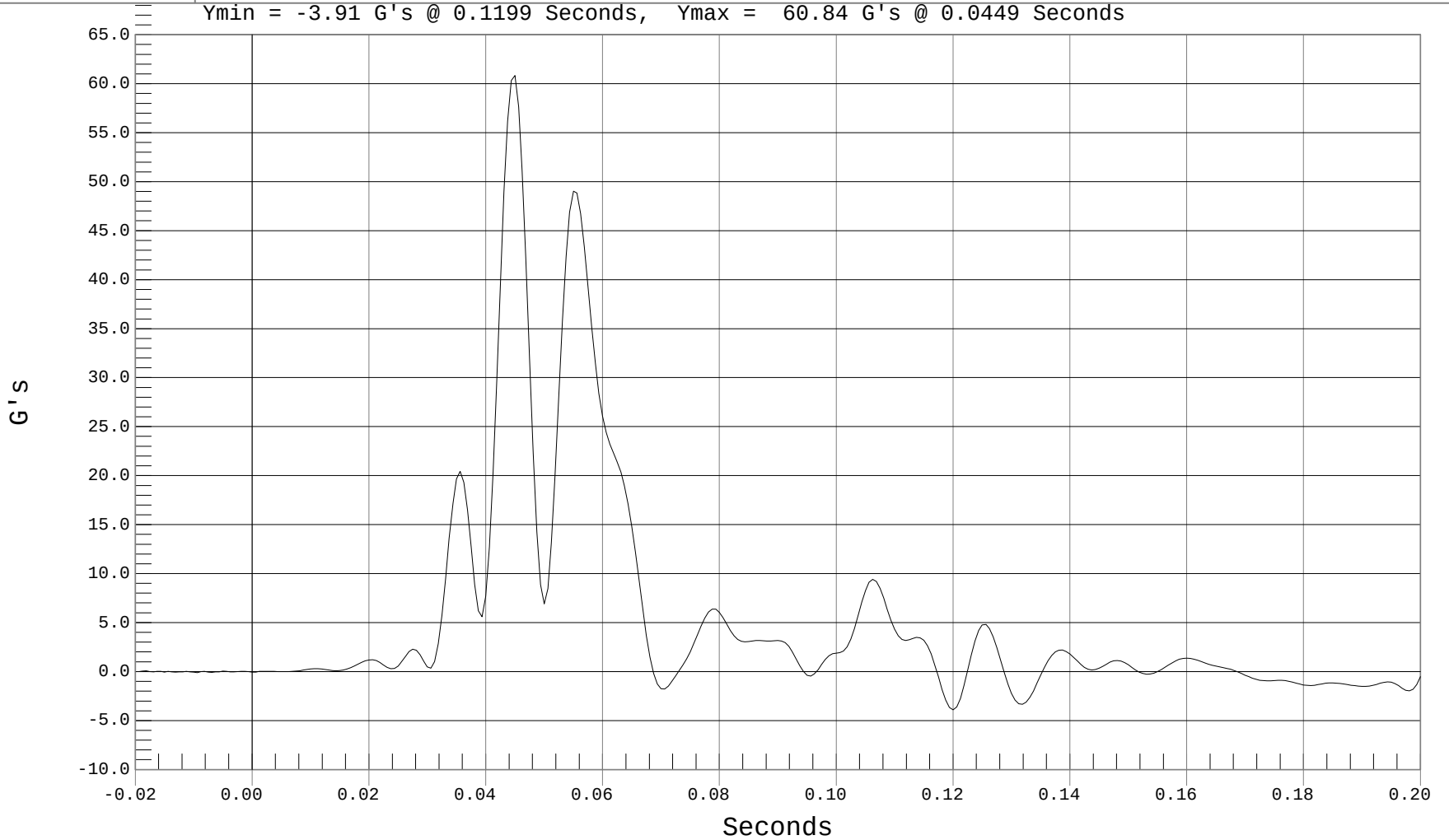
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 PASSENGER UPPER RIB Yr, B01022FI.R45

Ymin = -3.91 G's @ 0.1199 Seconds, Ymax = 60.84 G's @ 0.0449 Seconds





REAR PASSENGER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

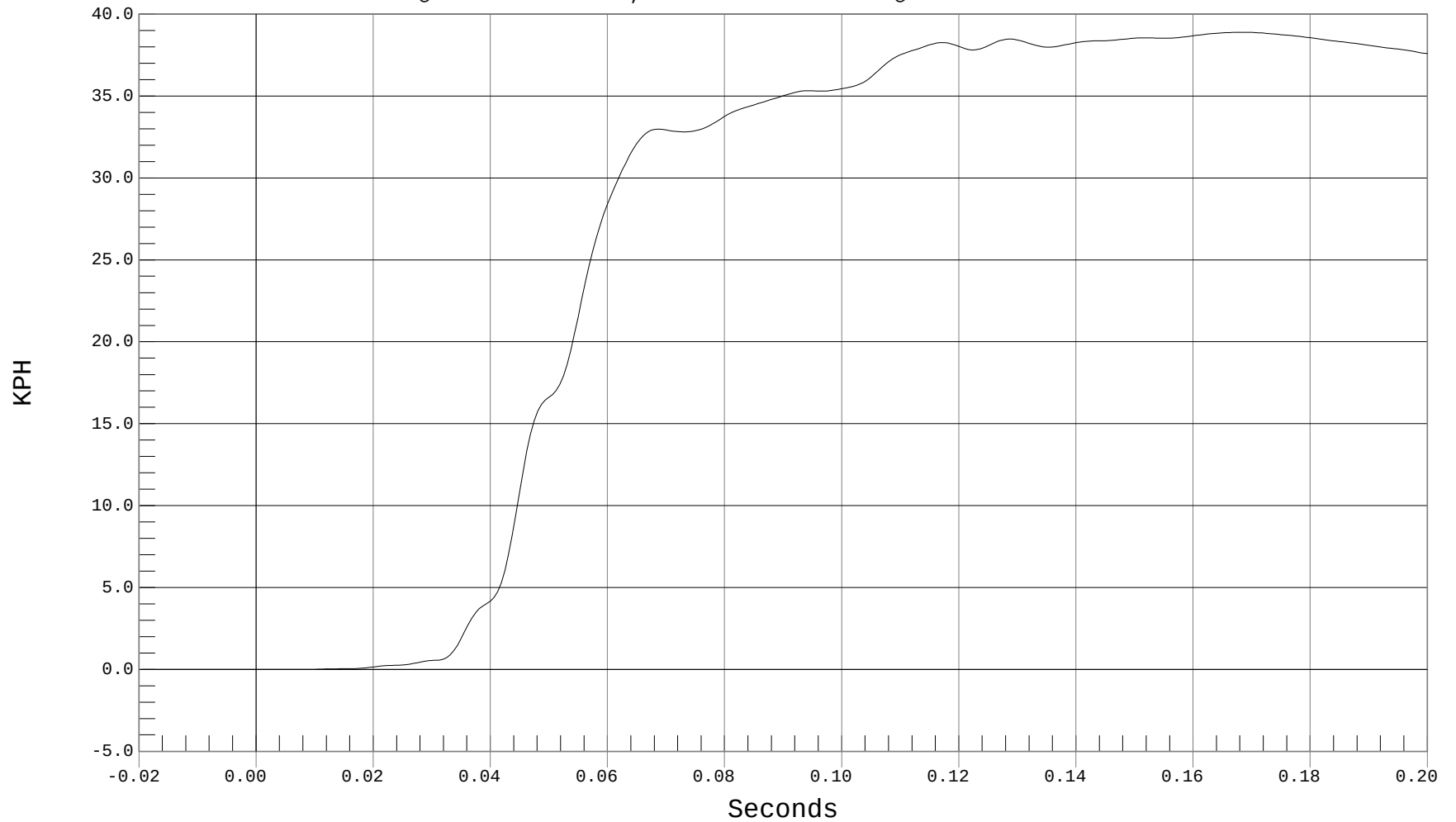
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Fir Filtered

— 1 REAR PASSENGER UPPER RIB Y REDUNDANT VELOCITY, B01022FI.V45

Ymin = -.01 KPH @ 0.0012 Seconds, Ymax = 38.9 KPH @ 0.1687 Seconds





REAR PASSENGER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

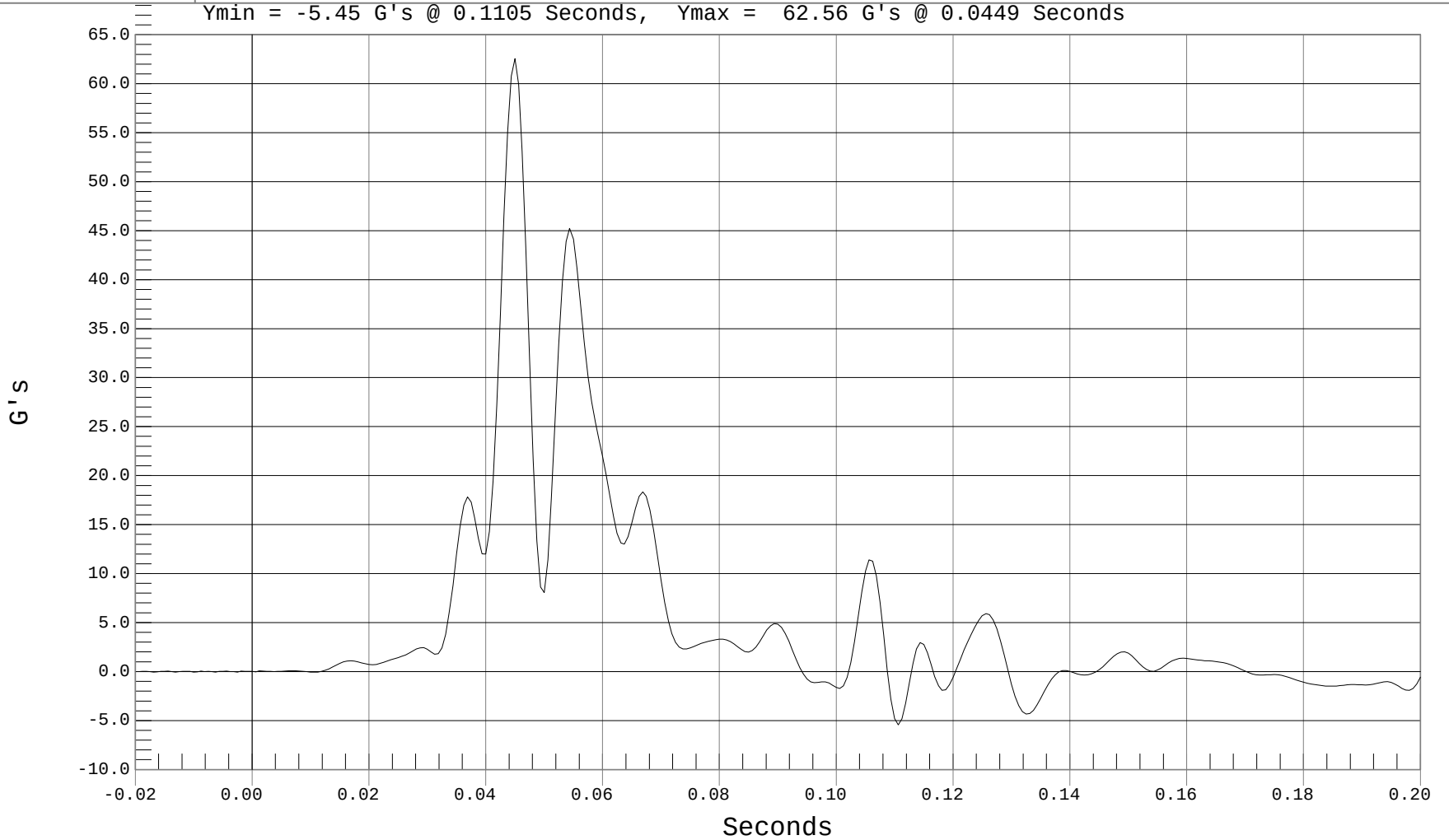
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 PASSENGER LOWER RIB Yr, B01022FI.R46

Ymin = -5.45 G's @ 0.1105 Seconds, Ymax = 62.56 G's @ 0.0449 Seconds





REAR PASSENGER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

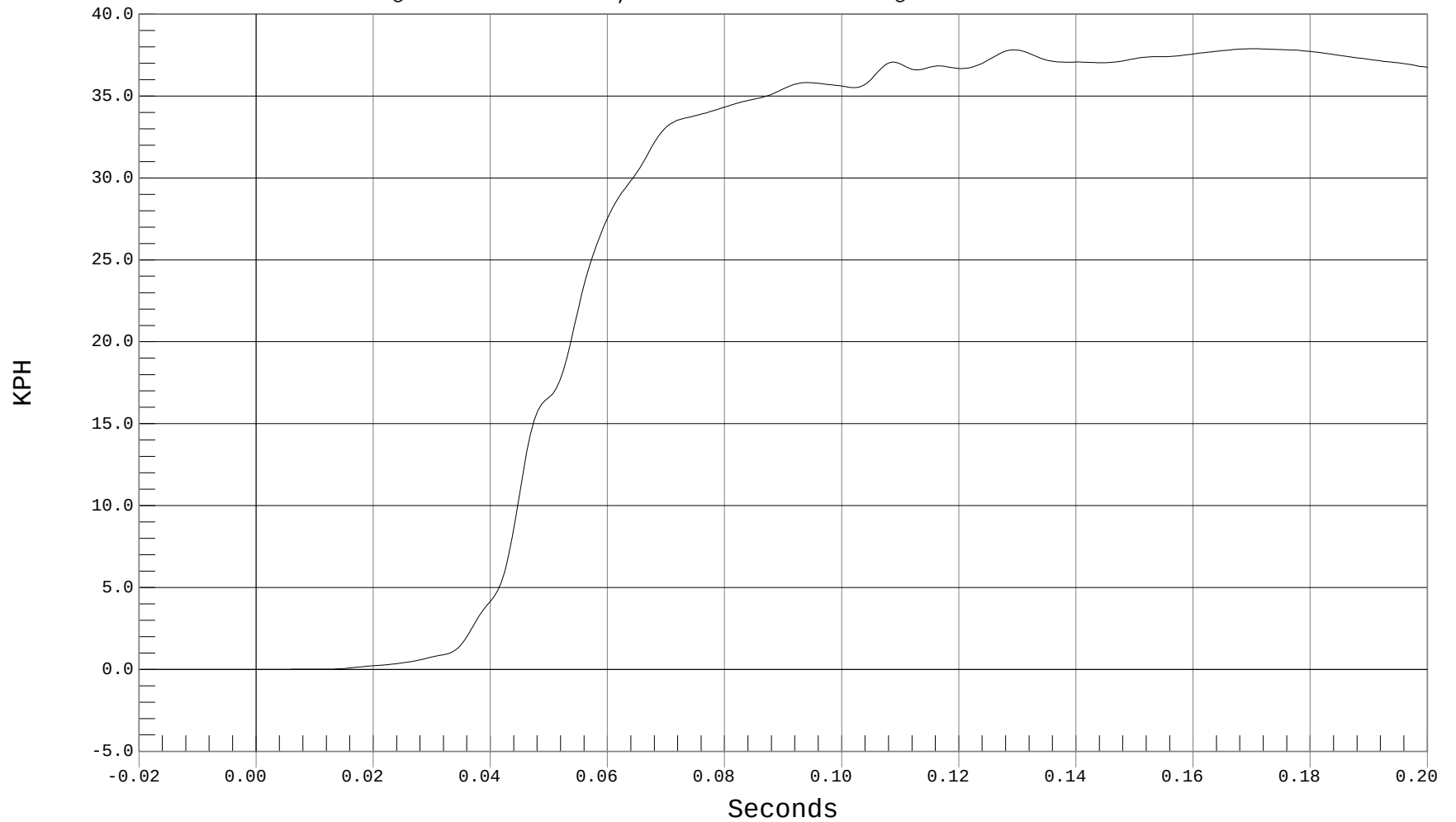
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 REAR PASSENGER LOWER RIB Y REDUNDANT VELOCITY, B01022FI.V46

Ymin = 0 KPH @ -0.0164 Seconds, Ymax = 37.89 KPH @ 0.1699 Seconds





REAR PASSENGER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

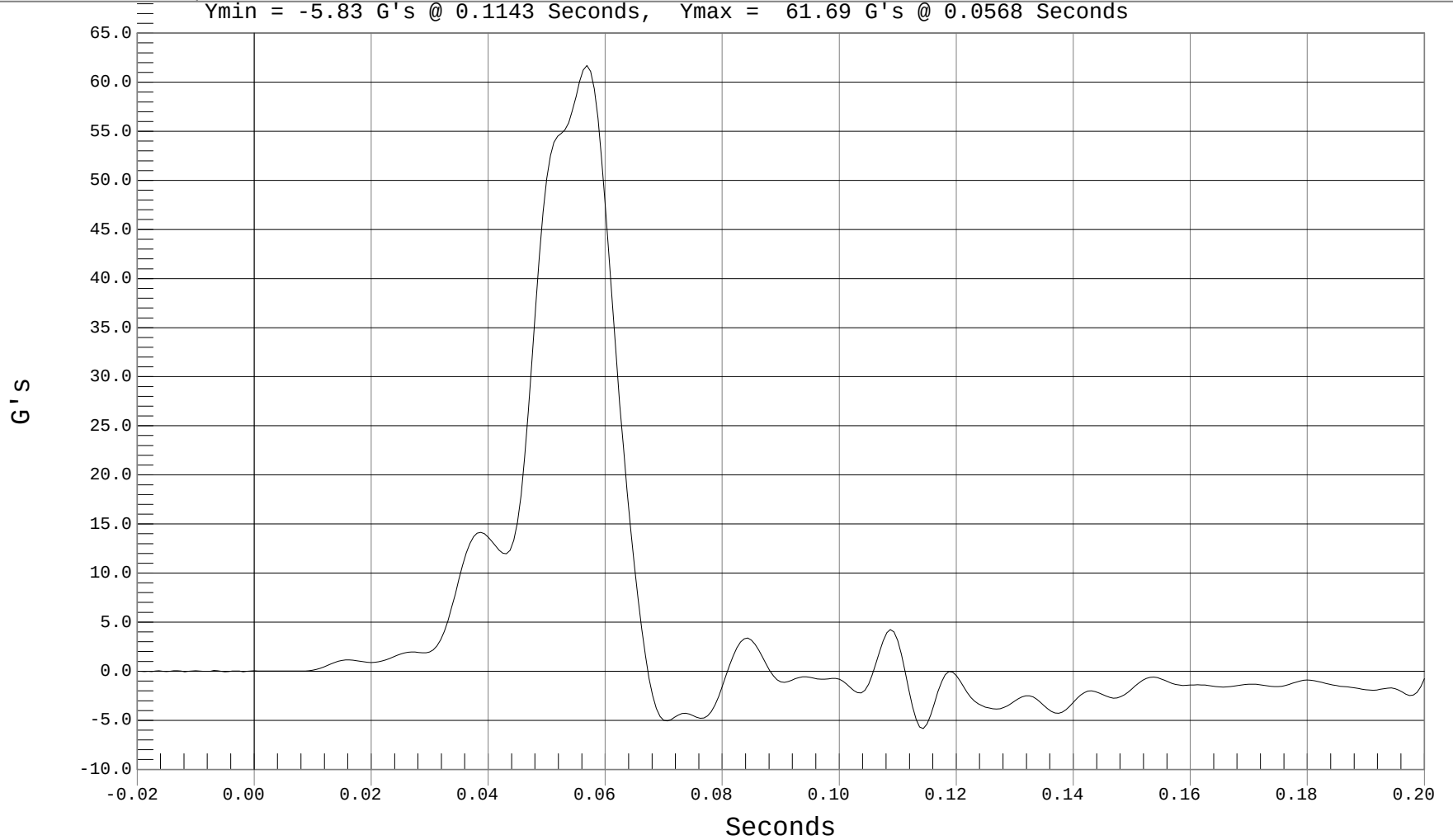
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 PASSENGER LOWER SPINE Yr, B01022FI.R47

Ymin = -5.83 G's @ 0.1143 Seconds, Ymax = 61.69 G's @ 0.0568 Seconds





REAR PASSENGER LOWER SPINE REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

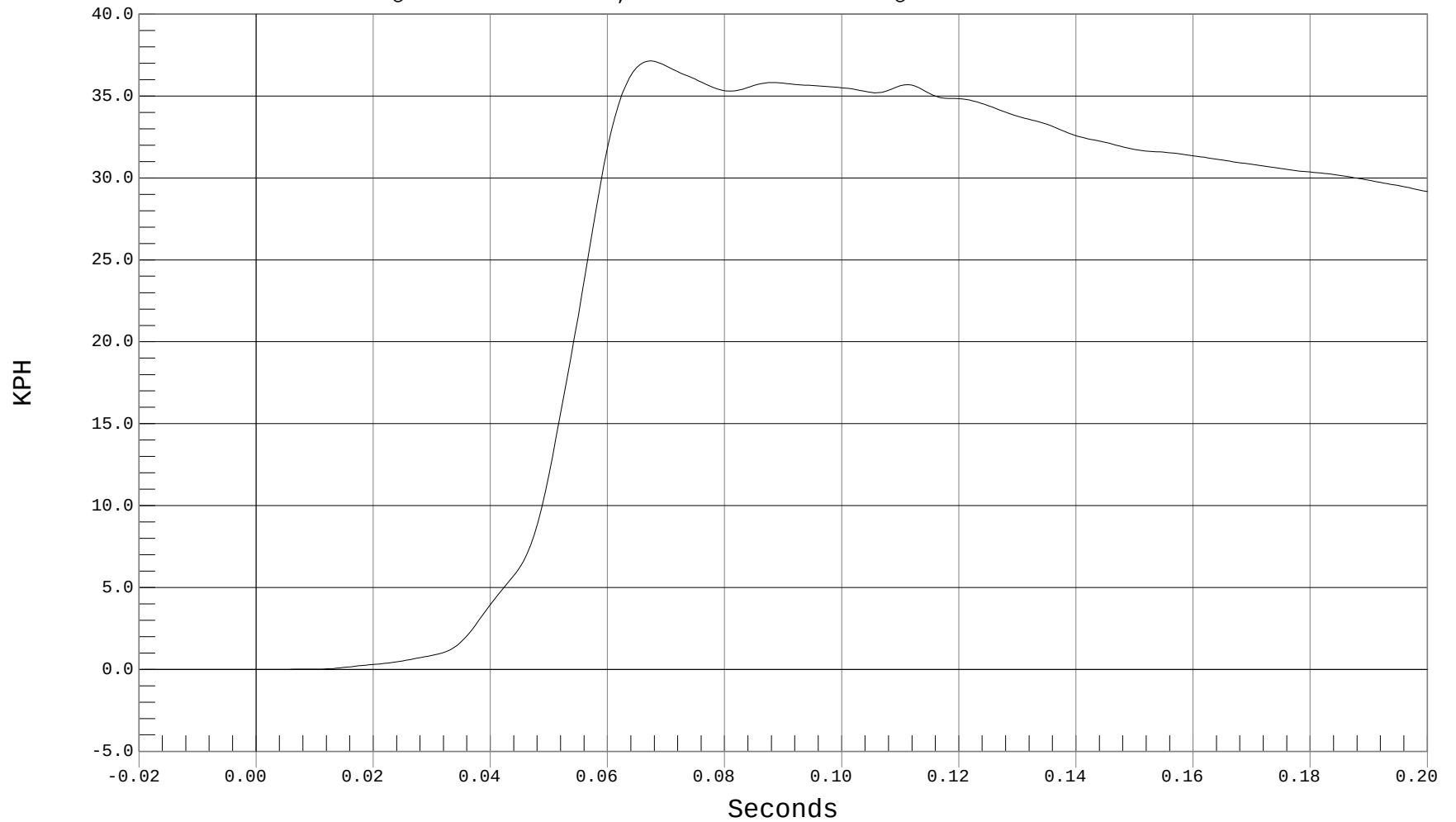
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Fir Filtered

— 1 REAR PASSENGER LOWER SPINE Y REDUNDANT VELOCITY, B01022FI.V47

Ymin = 0 KPH @ -0.0170 Seconds, Ymax = 37.14 KPH @ 0.0674 Seconds





REAR PASSENGER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 INDICANT

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

Other Info:

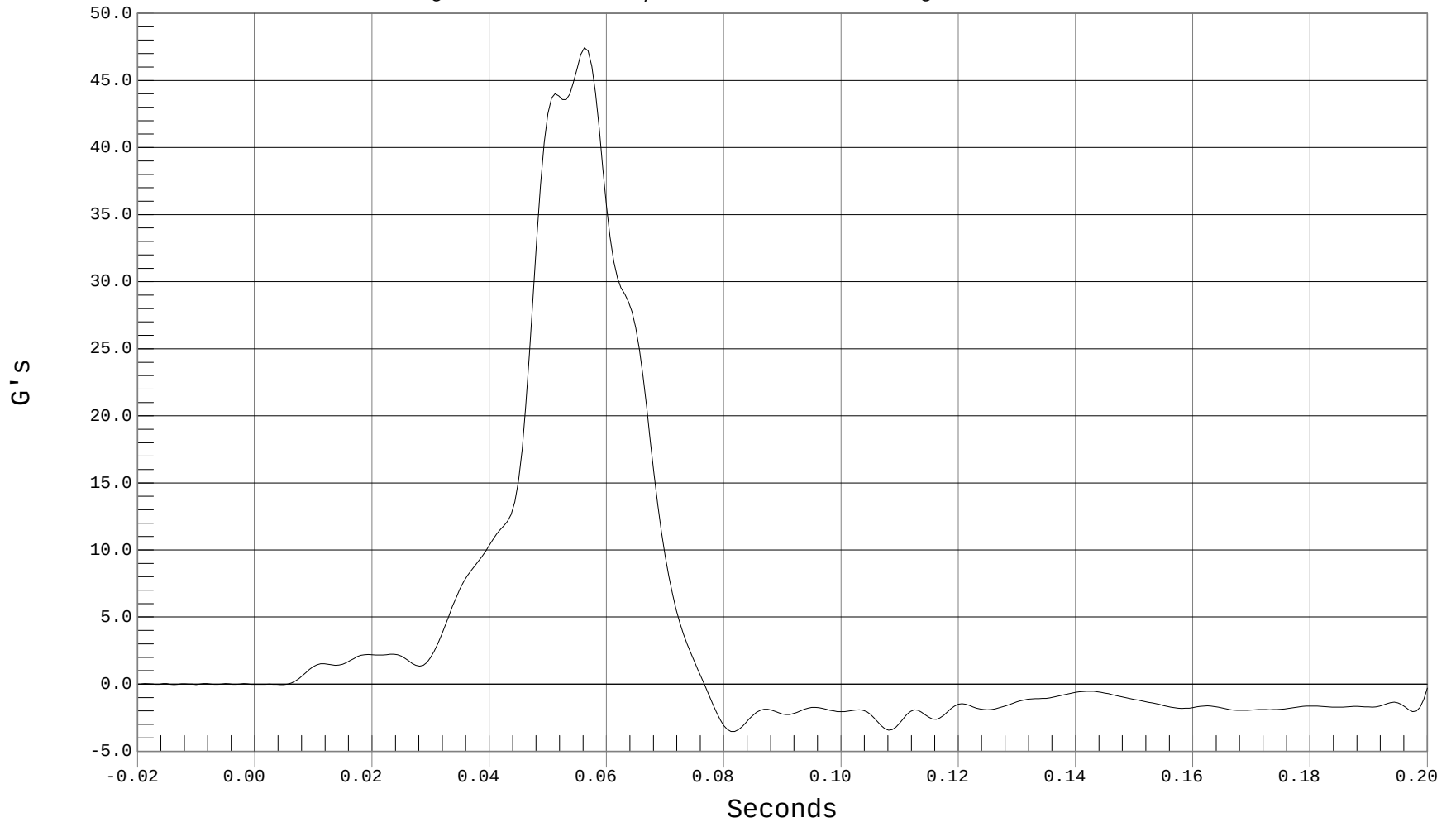
Test Date: 02-26-01

Speed: 38.8 MPH, 62.4 KPH

Fir Filtered

— 1 PASSENGER PELVIS Yr, B01022FI.R48

Ymin = -3.52 G's @ 0.0812 Seconds, Ymax = 47.44 G's @ 0.0562 Seconds





REAR PASSENGER PELVIS REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 INDICANT

Test Date: 02-26-01

Component: 2001 CHRYSLER SEBRING CONVERTIBLE (C10304)

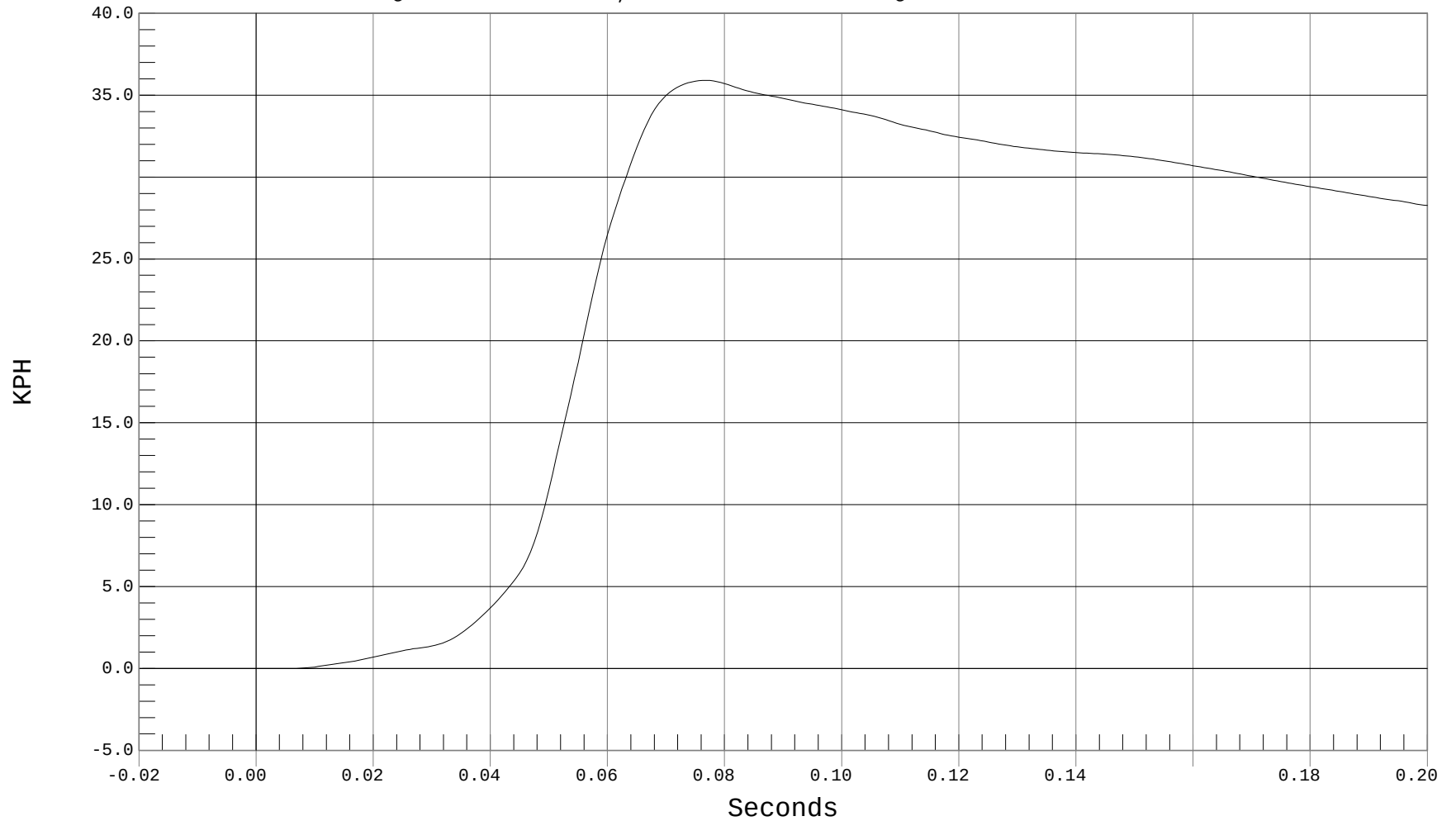
Speed: 38.8 MPH, 62.4 KPH

Other Info:

Fir Filtered

— 1 REAR PASSENGER PELVIS Y REDUNDANT VELOCITY, B01022FI.V48

Ymin = 0 KPH @ -0.0195 Seconds, Ymax = 35.91 KPH @ 0.0768 Seconds



APPENDIX C

SID CONFIGURATION AND PERFORMANCE VERIFICATION DATA

CALIBRATION DATA SUMMARY
SIDE IMPACT DUMMY (SID)
CONFIGURED TO LEFT SIDE IMPACT

Report Date: February 26, 2001

Technician: Tim Michnay

Test Parameter	Specification	Dummy Serial Number: 036		Dummy Serial Number: 037	
		Pre-Test	Post-Test	Pre-Test	Post-Test
SH-Seated Height (mm)	889 – 909	901	901	901	901
RH-Rib Height (mm)	501 – 521	505	505	511	511
HP-Hip Pivot Height (mm)	99 ref.	99	99	99	99
RD-Rib from Back Line (mm)	229 – 241	234	234	236	236
KV-Knee Pivot from Back Line (mm)	511 – 526	520	520	520	520
SW-Knee Pivot to Floor (mm)	490 – 505	496	496	494	494
HW-Hip Width (mm)	356 – 391	372	372	380	380
Thorax Impact					
Temperature (°C)	18.9 – 25.5	20.9	21.5	21.0	21.8
Relative Humidity (%)	10 – 70	15	22	17	22
Probe Speed (m/s)	4.27 – 4.33	4.28	4.27	4.28	4.29
Upper Rib (g's)	37 – 46	43	45	45	45
Lower Rib (g's)	37 – 46	45	44	46	45
Lower Spine (g's)	15 – 22	19	19	20	20
Pelvis Impact					
Temperature (°C)	18.9 – 25.5	20.9	21.5	21.0	21.8
Relative Humidity (%)	10 – 70	15	22	17	22
Probe Speed (m/s)	4.27 – 4.33	4.28	4.29	4.27	4.27
Pelvis (g's)	40 – 60	50	46	46	46

REMARKS:

CERTIFICATION DATA

Dummy Serial Number: 036

Calibration Test Results Summary

Dummy Serial Number: 036

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: 036

Date of Verification: 2/5/01

Test Number: D0115

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	901
RH-Rib Height (mm)	501 – 521	505
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	520
SW-Knee Pivot to Floor (mm)	490 – 505	496
HW – Hip Width (mm)	356 – 391	372

Technician: _____

Approved By:_____

MGA RESEARCH CORPORATION

HEAD DROP TEST

SIDE IMPACT DUMMY (SID)

Date: 2/5/01

Dummy Serial Number: 036

Test Number: D01151

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 - 25.5	21.2
Relative Humidity (%)	10 - 70	20
Peak Resultant Acceleration	210 - 260 g's	220
Peak Lateral Acceleration	< 10 g's	-5
Time Above 100 g.	0.9 - 1.5 msec.	1.2

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



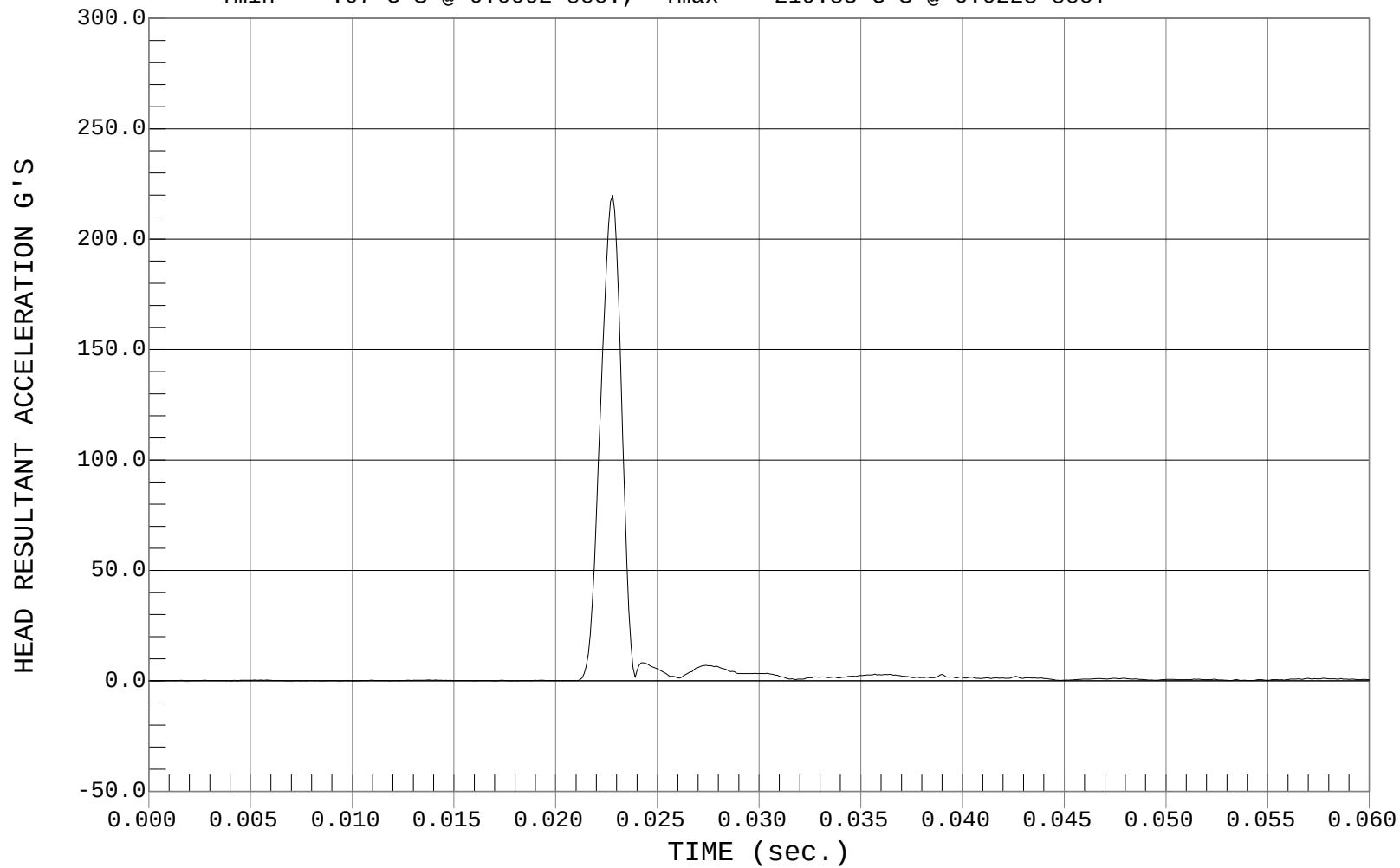
PEAK RESULTANT ACCELERATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #036

Test Date: 02-05-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD RESULTANT ACCELERATION, D01151av.a01

Ymin = .07 G'S @ 0.0002 sec., Ymax = 219.83 G'S @ 0.0228 sec.





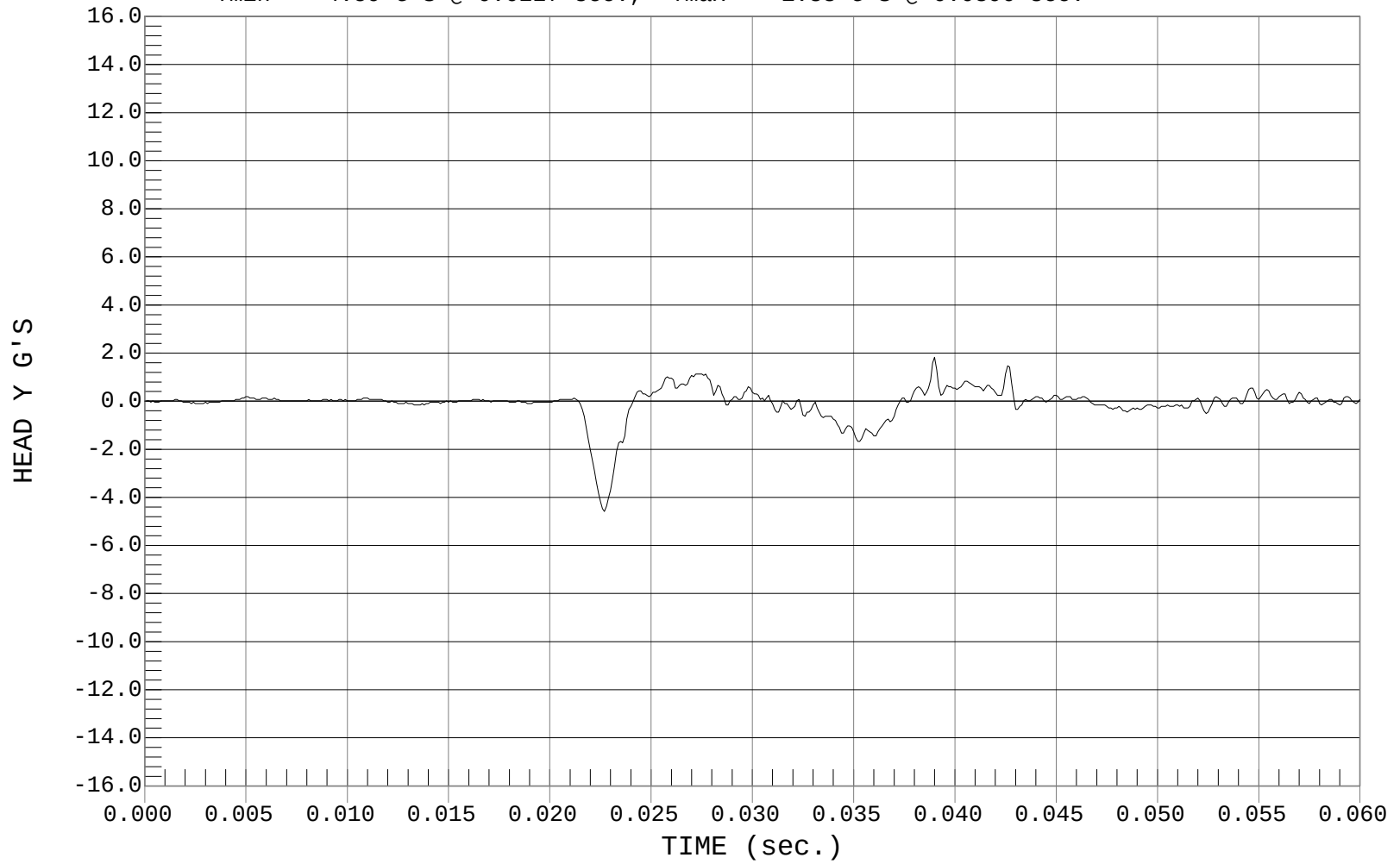
PEAK LATERAL ACCELARATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #036

Test Date: 02-05-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD Y, D01151AR.A02

Ymin = -4.59 G'S @ 0.0227 sec., Ymax = 1.83 G'S @ 0.0390 sec.



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

Date: 2/2/01
Dummy Serial Number: 036
Test Number: D01152

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	20.9
Relative Humidity (%)	10 – 70	15
Probe Speed (m/s)	4.27 – 4.33	4.28
Upper Rib (g's)	37 – 46	43
Lower Rib (g's)	37 – 46	45
Lower Spine (g's)	15 - 22	19

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



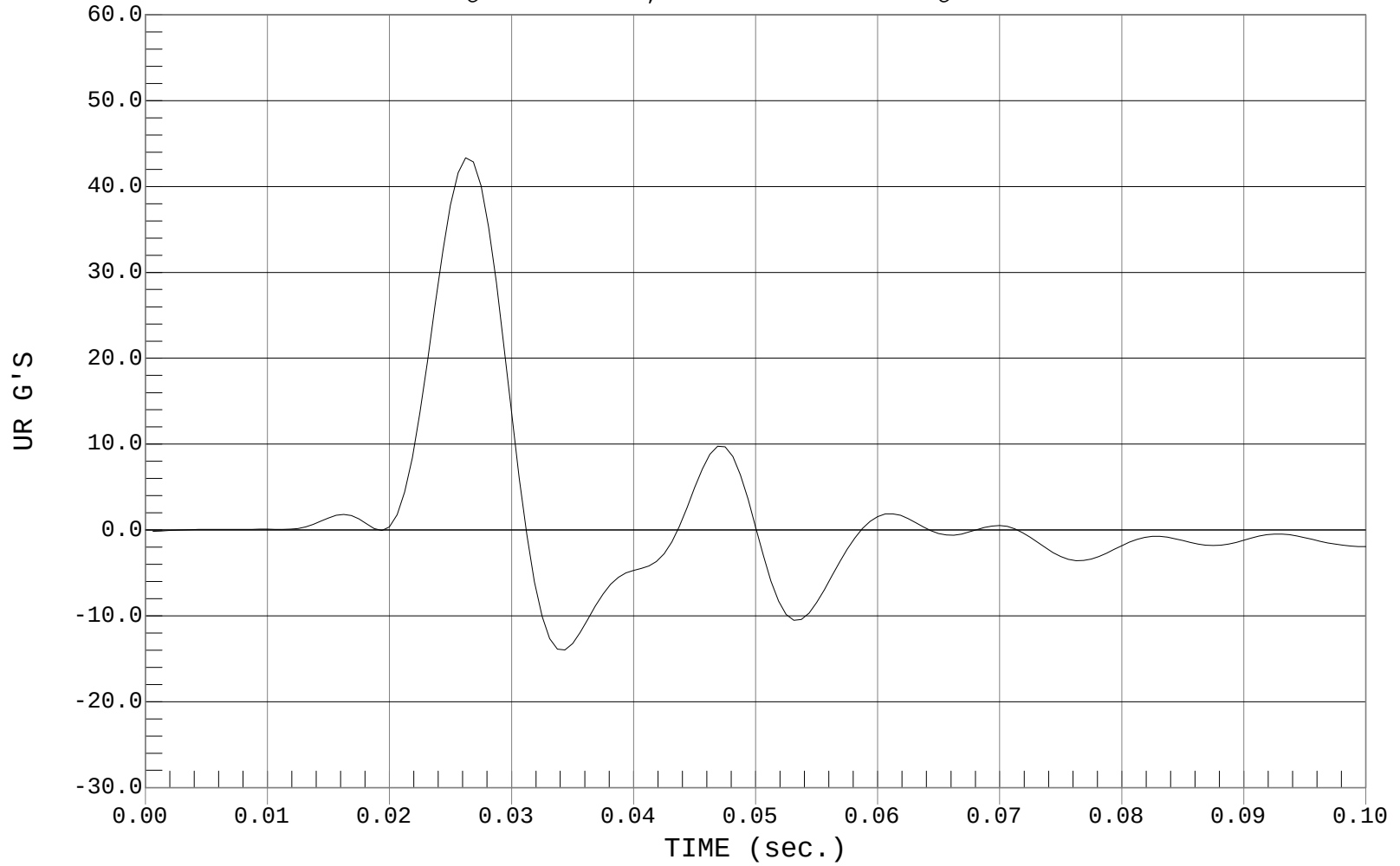
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #036

Test Date: 02-02-01
Speed: 14.04 FT/SEC, 4.28 M/SEC

— 1 UR, D01152FI.R08

Ymin = -13.96 G'S @ 0.0344 sec., Ymax = 43.37 G'S @ 0.0263 sec.





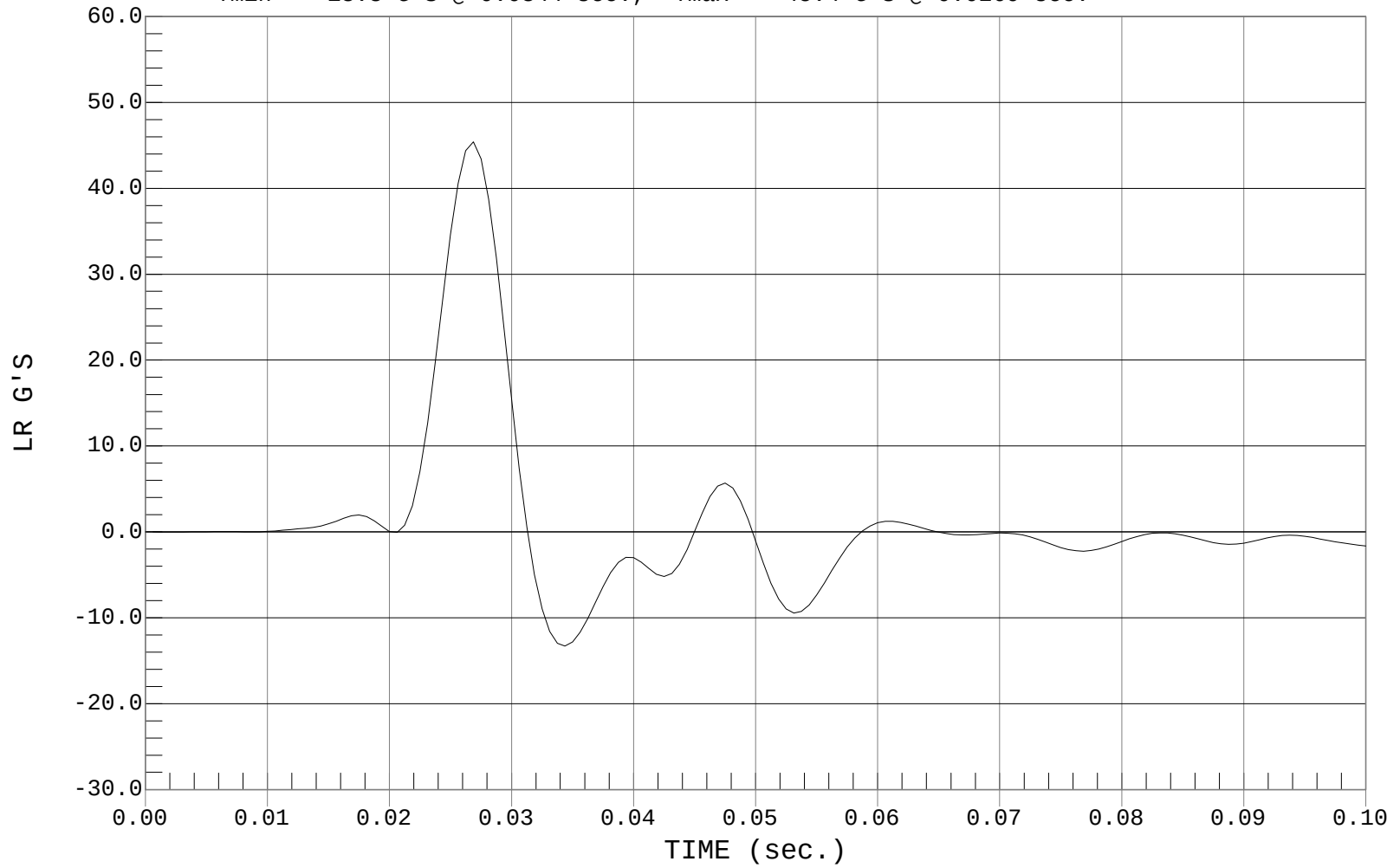
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #036

Test Date: 02-02-01
Speed: 14.04 FT/SEC, 4.28 M/SEC

— 1 LR, D01152FI.R09

Ymin = -13.3 G'S @ 0.0344 sec., Ymax = 45.4 G'S @ 0.0269 sec.





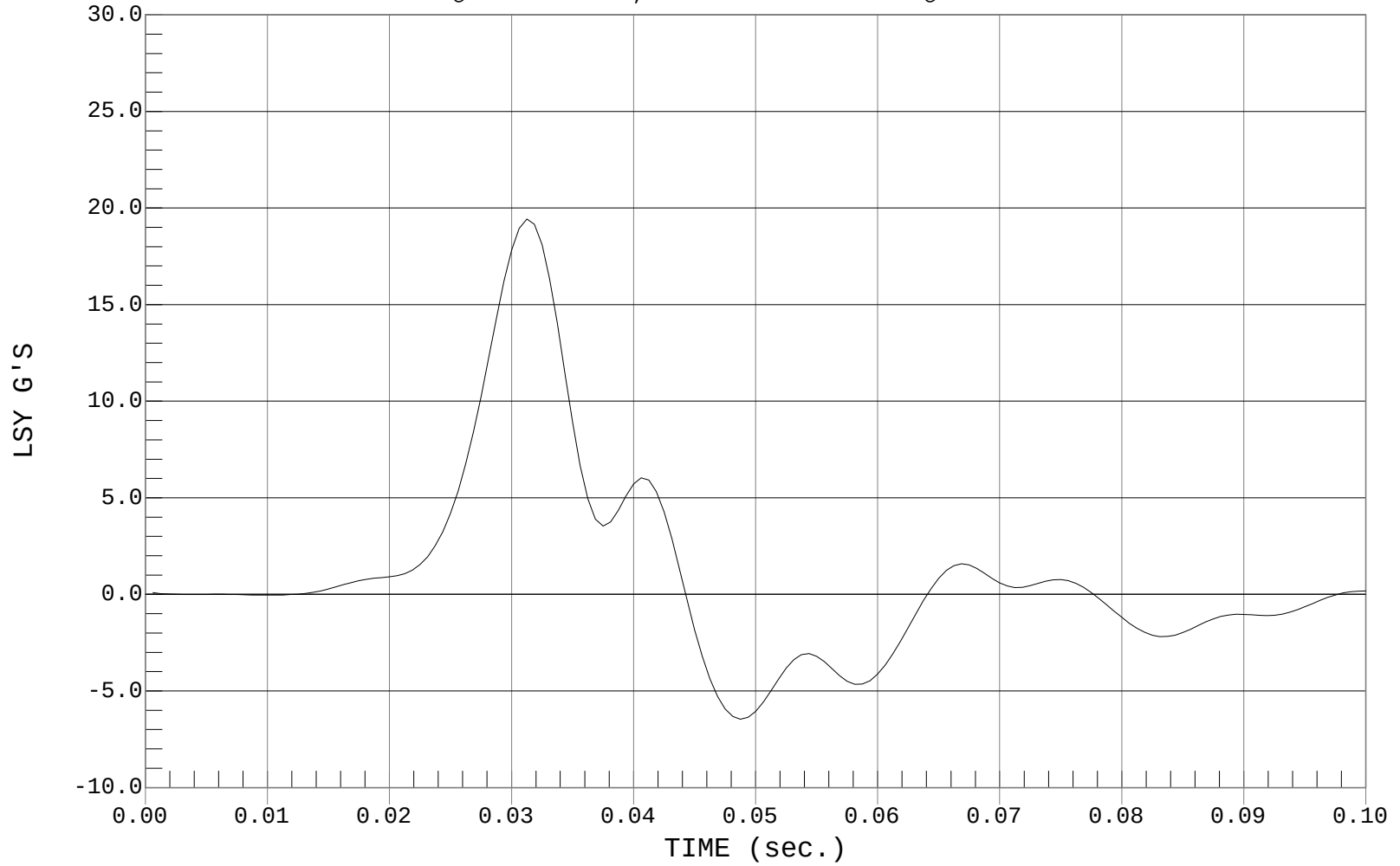
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #036

Test Date: 02-02-01
Speed: 14.04 FT/SEC, 4.28 M/SEC

— 1 LSY, D01152FI.R10

Ymin = -6.46 G'S @ 0.0488 sec., Ymax = 19.43 G'S @ 0.0313 sec.



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

Date: 2/2/01
Dummy Serial Number: 036
Test Number: D01153

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	20.9
Relative Humidity (%)	10 – 70	15
Probe Speed (m/s)	4.27 – 4.33	4.28
Pelvis Acceleration (g's)	40 – 60	50

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



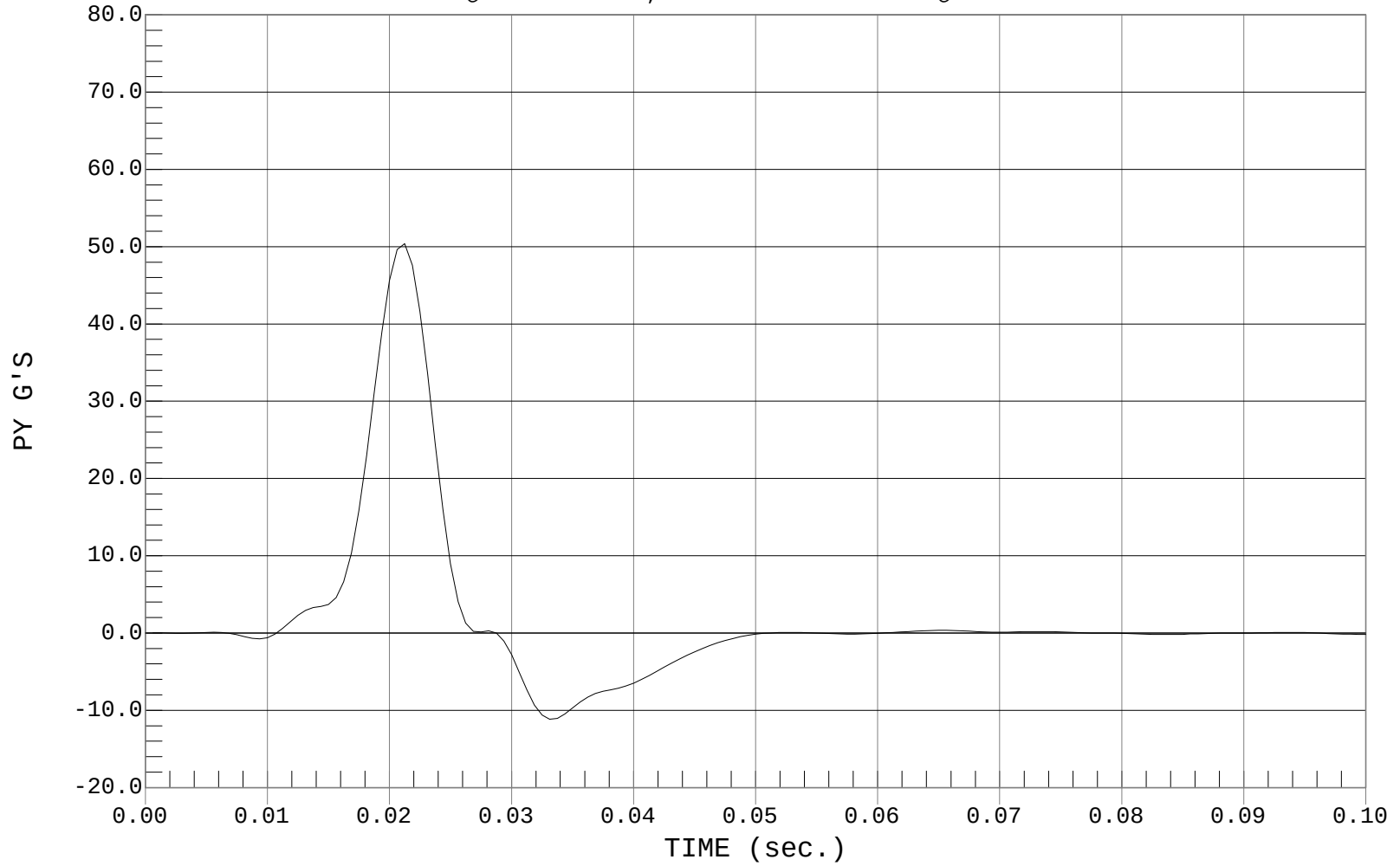
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #036

Test Date: 02-02-01
Speed: 14.04 FT/SEC, 4.28 M/SEC

— 1 PY, D01153FI.R11

Ymin = -11.17 G'S @ 0.0331 sec., Ymax = 50.37 G'S @ 0.0213 sec.



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

Date: 2/2/01
Dummy Serial Number: 036
Test Number: D01154

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	20.9
Relative Humidity (%)	10 – 70	18
Force @ 12.7 mm	104 – 162	147
Force @ 19 mm	163 – 222	201
Force @ 25.4 mm	222 – 280	266
Force @ 33 mm	325 - 391	371

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



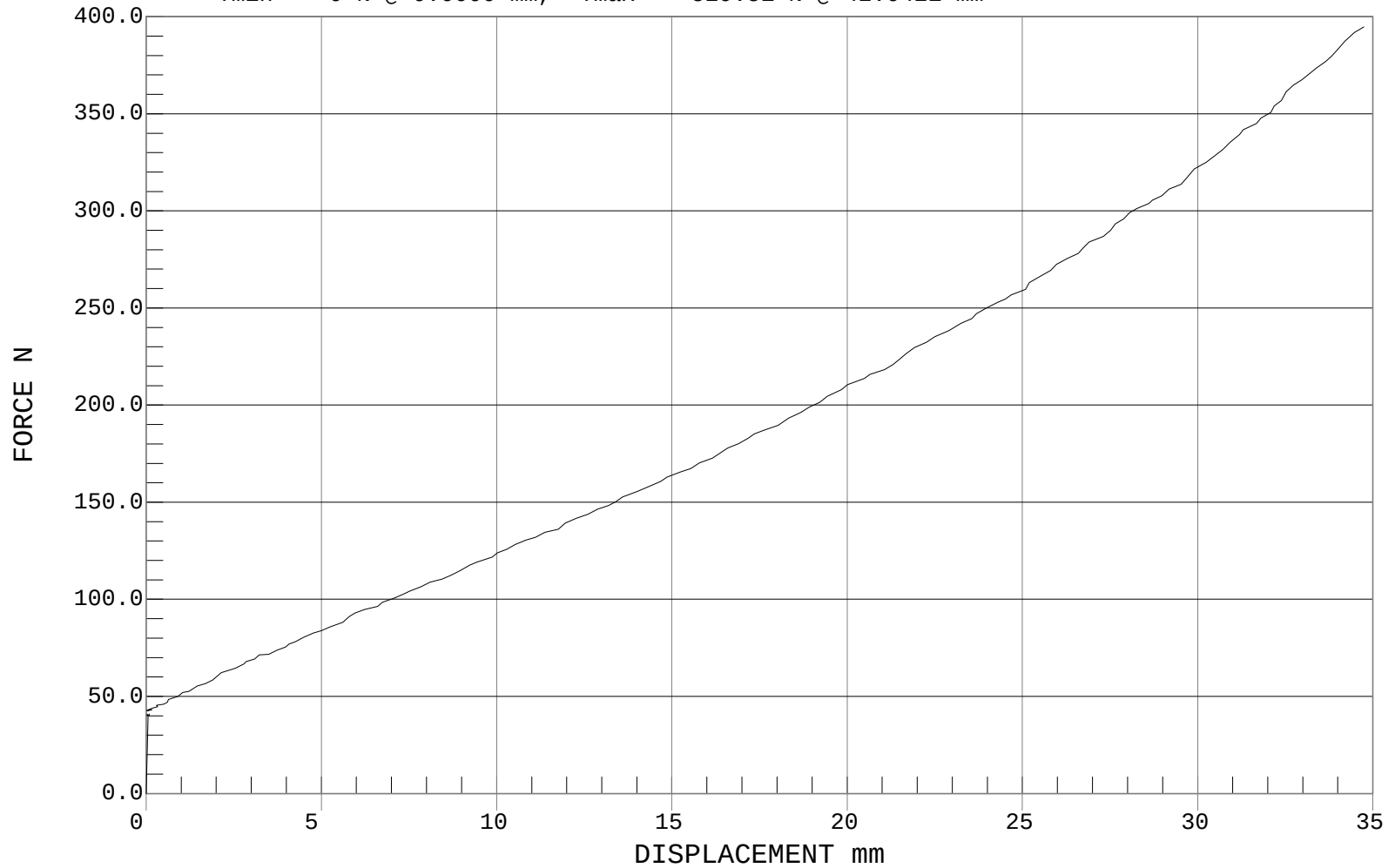
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 036

Test Date: 02-02-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D01154FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 529.51 N @ 42.0421 mm



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

Date: 2/2/01
Dummy Serial Number: 036
Test Number: D01155

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	20.8
Relative Humidity (%)	10 – 70	18
Force @ 0°	0 – 26.7	0
Force @ 20°	97.9 – 151.2	113.1
Force @ 30°	151.2 – 204.6	177.2
Force @ 40°	204.6 – 258.0	257.2
Return Angle	12° maximum	3

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



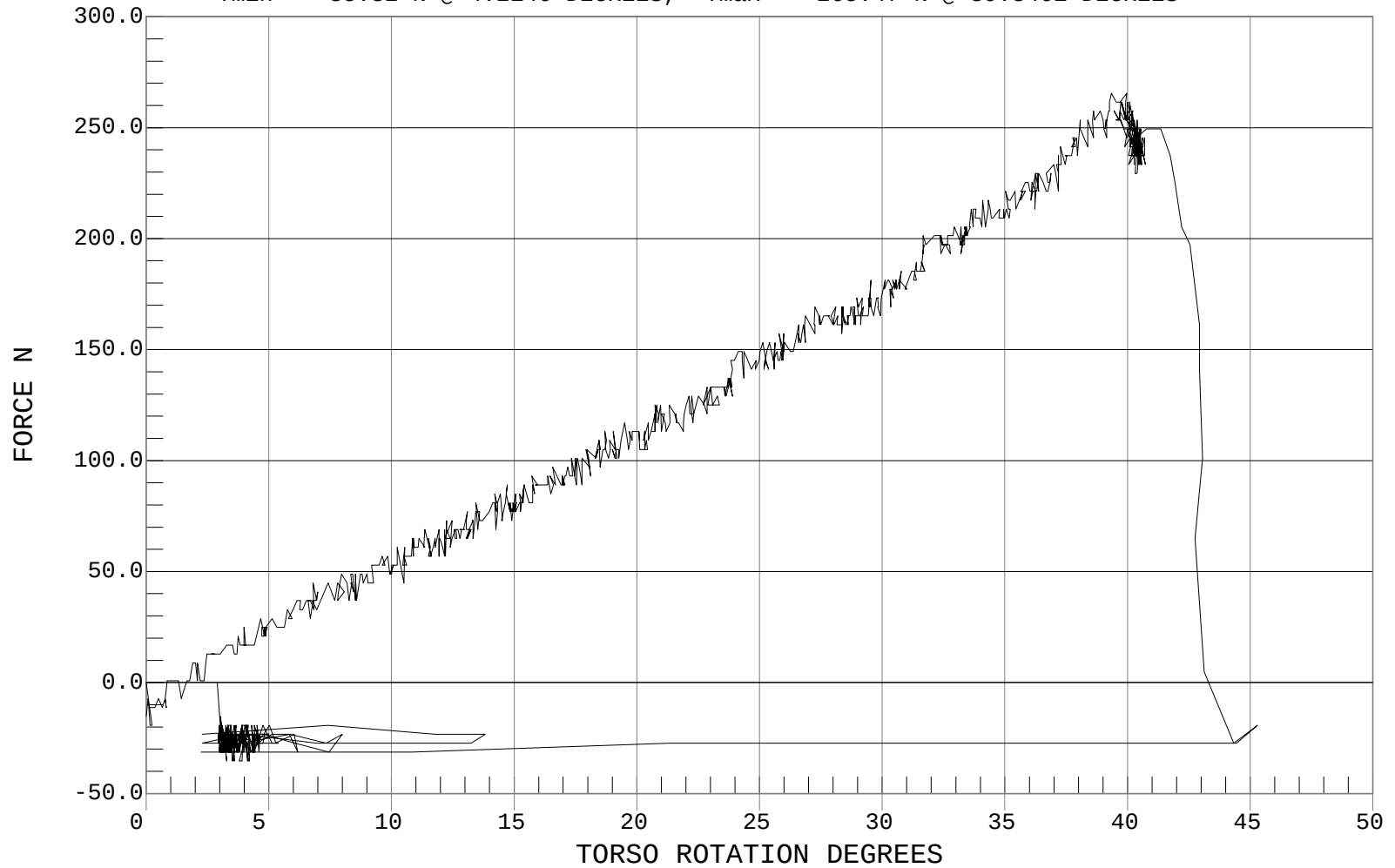
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 036

Test Date: 02-02-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D01155FC.F14

Ymin = -35.32 N @ 4.2146 DEGREES, Ymax = 265.47 N @ 39.3461 DEGREES



DUMMY INSPECTION CHECKLIST

Type: Side Impact Dummy

Dummy Serial Number: 036

Inspected By: Tim Michnay

Date: 2/5/01

<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: 037

Calibration Test Results Summary

Dummy Serial Number: 037

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: 037

Date of Verification: 2/5/01

Test Number: D0116

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	901
RH-Rib Height (mm)	501 – 521	511
HP-Hip Pivot Height (mm)	99 ref.	99
RD-Rib From Back Line (mm)	229 - 241	236
KV-Knee Pivot From Back Line (mm)	511 – 526	520
SW-Knee Pivot to Floor (mm)	490 – 505	494
HW – Hip Width (mm)	356 – 391	380

Technician: _____

Approved By:_____

MGA RESEARCH CORPORATION

HEAD DROP TEST

SIDE IMPACT DUMMY (SID)

Date: 2/5/01

Dummy Serial Number: 037

Test Number: D01161

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 - 25.5	21.2
Relative Humidity (%)	10 - 70	20
Peak Resultant Acceleration	210 - 260 g's	218
Peak Lateral Acceleration	< 10 g's	-6
Time Above 100 g.	0.9 - 1.5 msec.	1.1

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



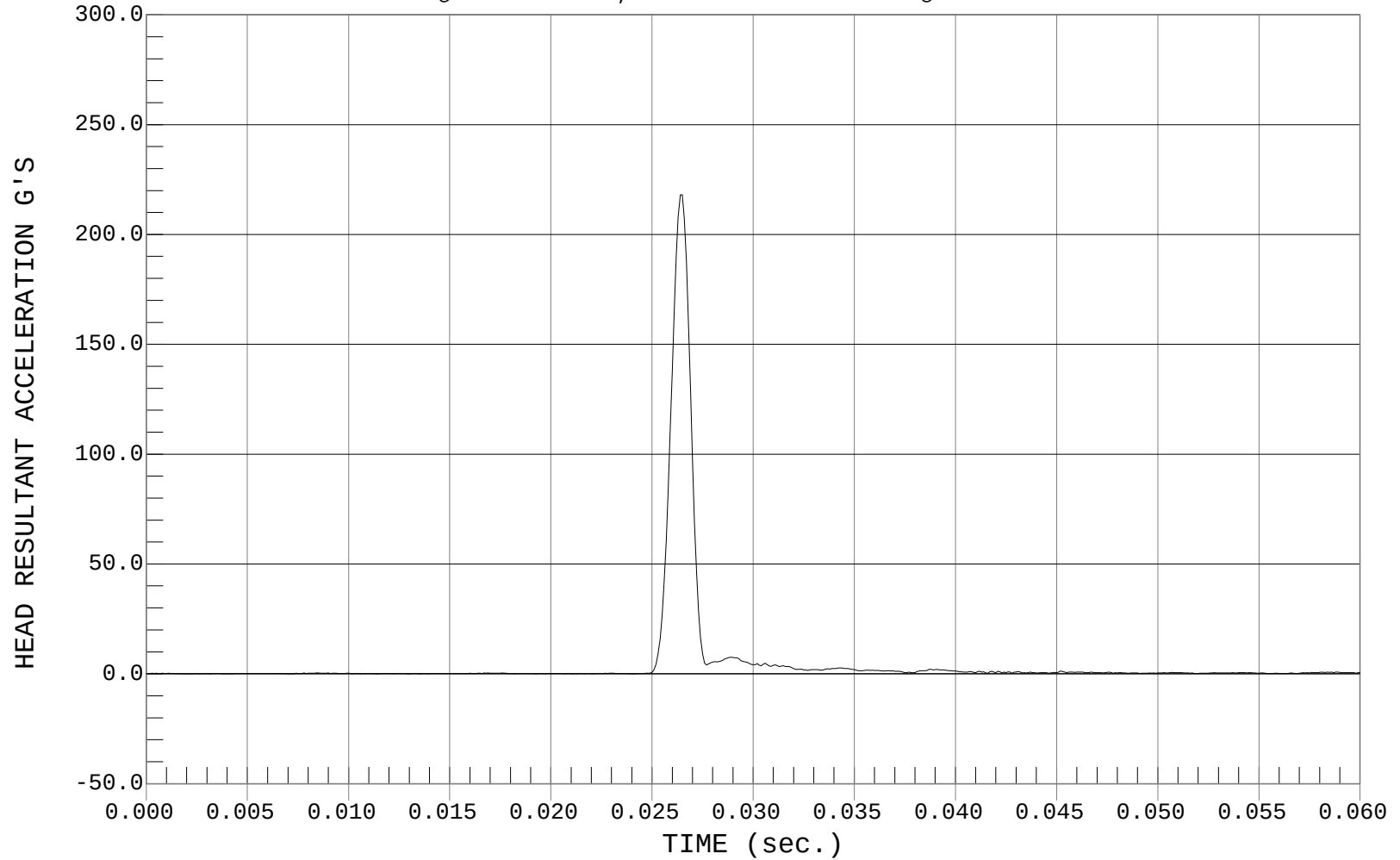
PEAK RESULTANT ACCELERATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #037

Test Date: 02-05-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD RESULTANT ACCELERATION, D01161av.a01

Ymin = .07 G'S @ 0.0015 sec., Ymax = 218.06 G'S @ 0.0265 sec.





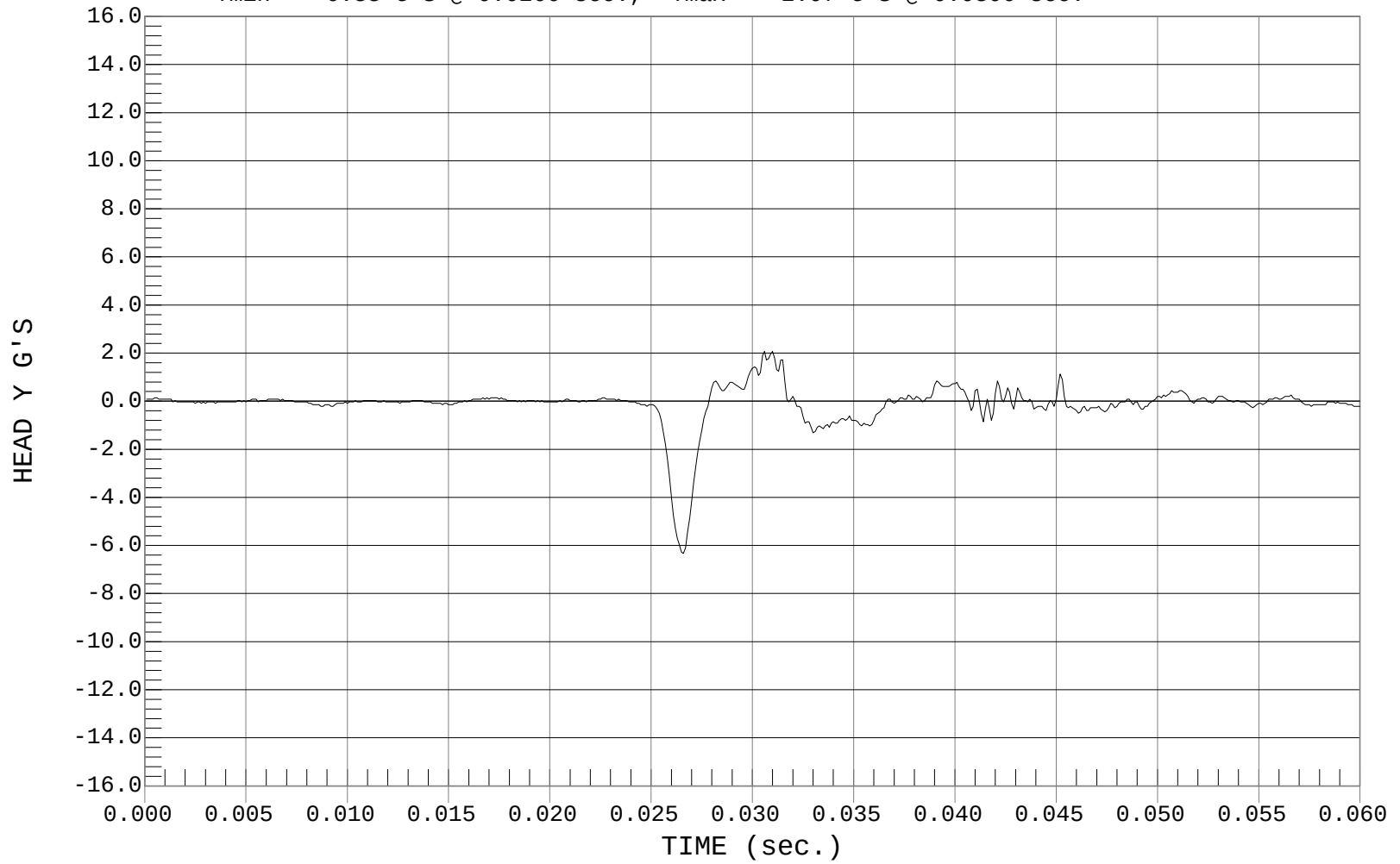
PEAK LATERAL ACCELARATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #037

Test Date: 02-05-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD Y, D01161AR.A02

Ymin = -6.33 G'S @ 0.0266 sec., Ymax = 2.07 G'S @ 0.0306 sec.



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

Date: 2/2/01
Dummy Serial Number: 037
Test Number: D01162

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0
Relative Humidity (%)	10 – 70	17
Probe Speed (m/s)	4.27 – 4.33	4.28
Upper Rib (g's)	37 – 46	45
Lower Rib (g's)	37 – 46	46
Lower Spine (g's)	15 - 22	20

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



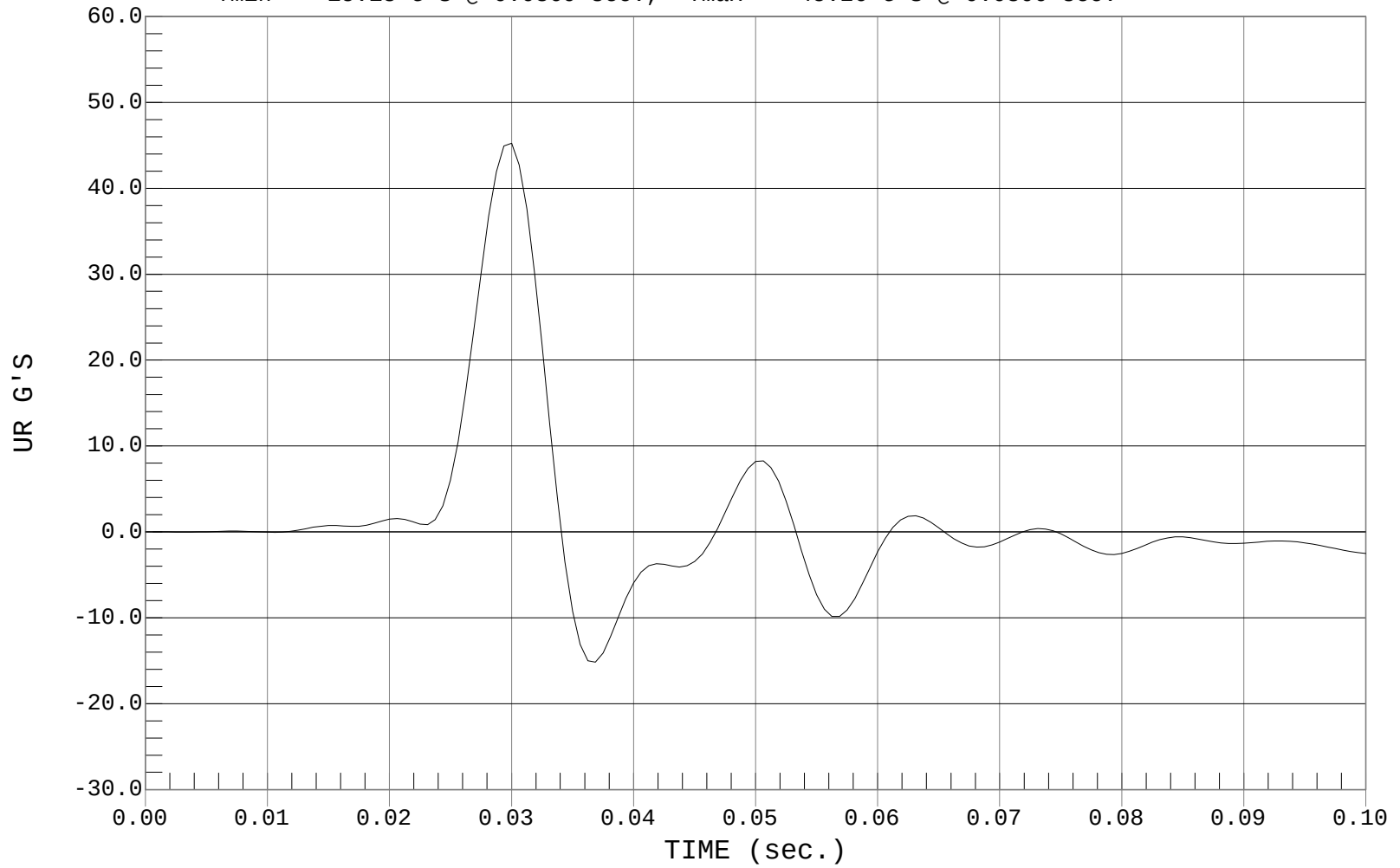
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #037

Test Date: 02-02-01
Speed: 14.05 FT/SEC, 4.28 M/SEC

— 1 UR, D01162FI.R08

Ymin = -15.18 G'S @ 0.0369 sec., Ymax = 45.26 G'S @ 0.0300 sec.





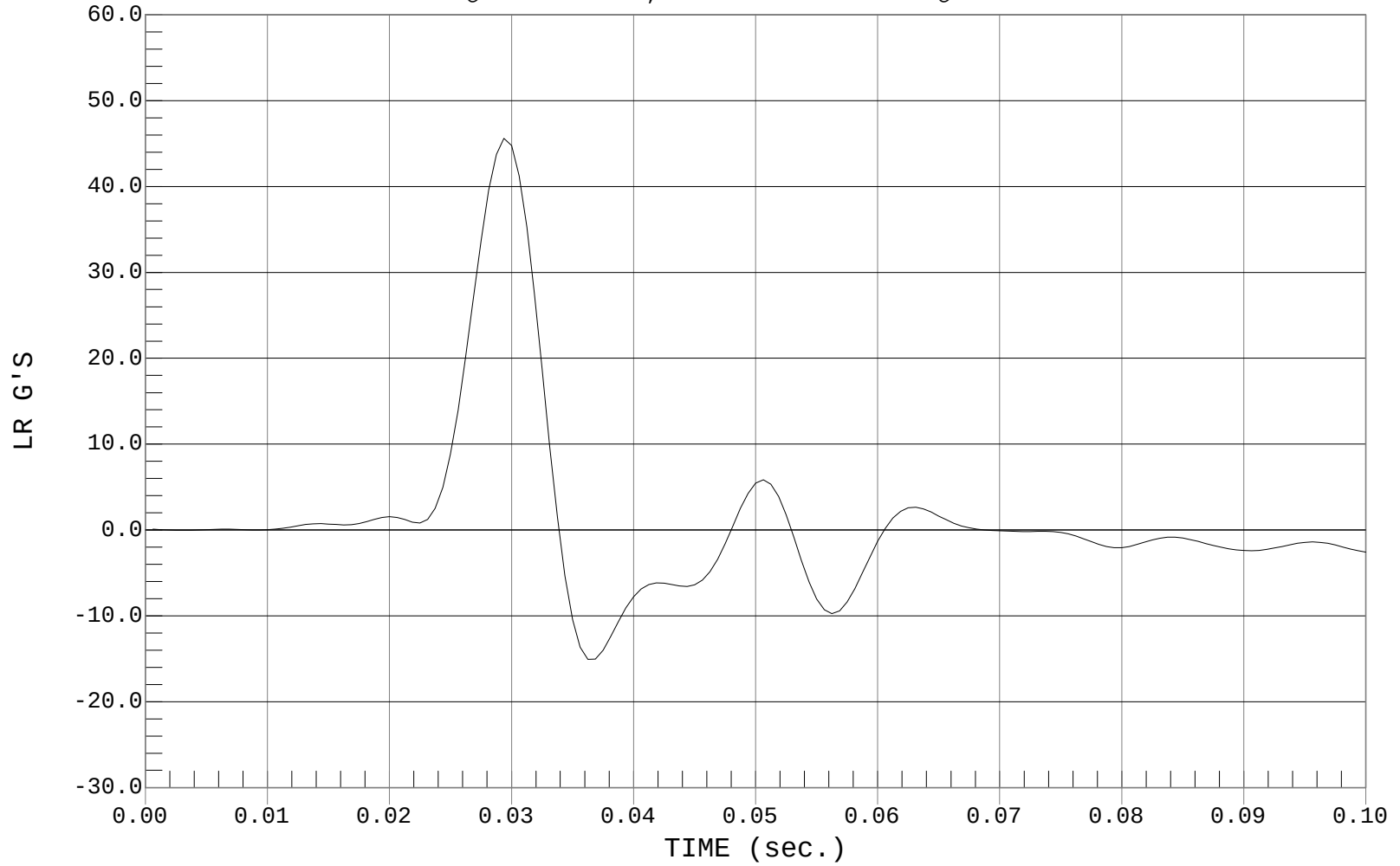
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #037

Test Date: 02-02-01
Speed: 14.05 FT/SEC, 4.28 M/SEC

— 1 LR, D01162FI.R09

Ymin = -15.06 G'S @ 0.0363 sec., Ymax = 45.59 G'S @ 0.0294 sec.





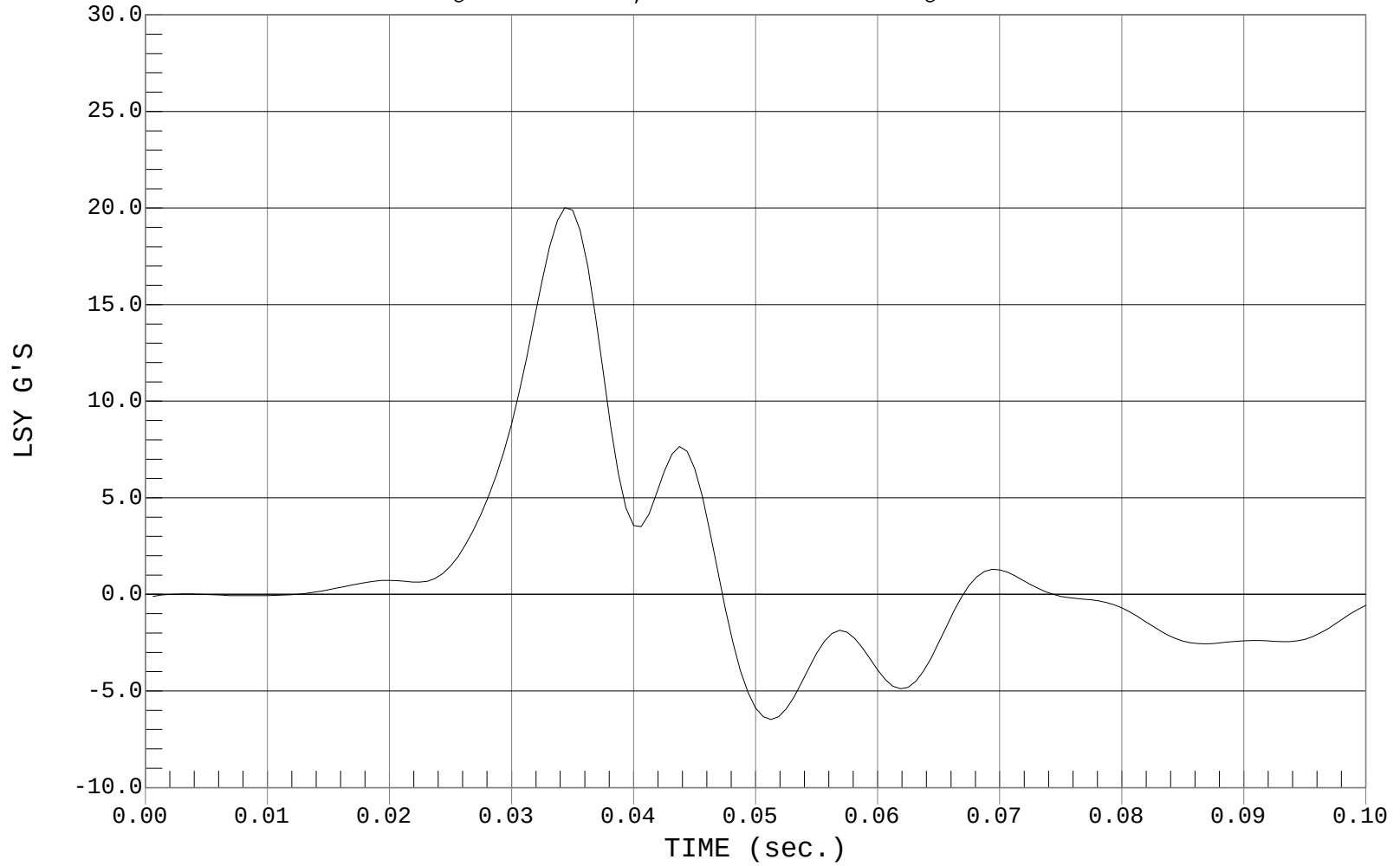
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #037

Test Date: 02-02-01
Speed: 14.05 FT/SEC, 4.28 M/SEC

— 1 LSY, D01162FI.R10

Ymin = -6.48 G'S @ 0.0513 sec., Ymax = 20.03 G'S @ 0.0344 sec.



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

Date: 2/2/01
Dummy Serial Number: 037
Test Number: D01163

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0
Relative Humidity (%)	10 – 70	17
Probe Speed (m/s)	4.27 – 4.33	4.27
Pelvis Acceleration (g's)	40 – 60	46

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



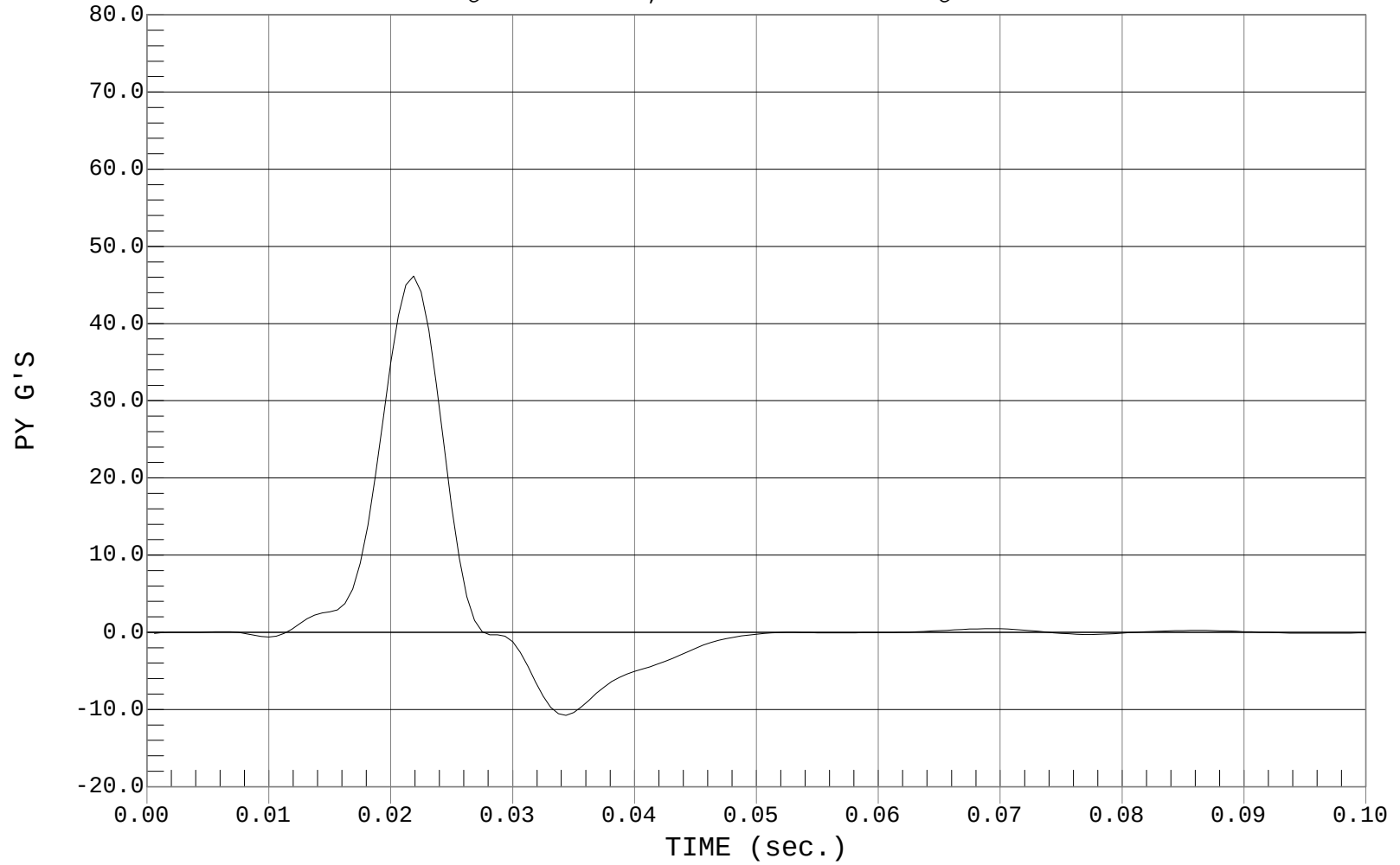
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #037

Test Date: 02-02-01
Speed: 14.01 FT/SEC, 4.27 M/SEC

— 1 PY, D01163FI.R11

Ymin = -10.74 G'S @ 0.0344 sec., Ymax = 46.14 G'S @ 0.0219 sec.



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

Date: 2/2/01
Dummy Serial Number: 037
Test Number: D01164

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	20.9
Relative Humidity (%)	10 – 70	18
Force @ 12.7 mm	104 – 162	141
Force @ 19 mm	163 – 222	193
Force @ 25.4 mm	222 – 280	258
Force @ 33 mm	325 - 391	357

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



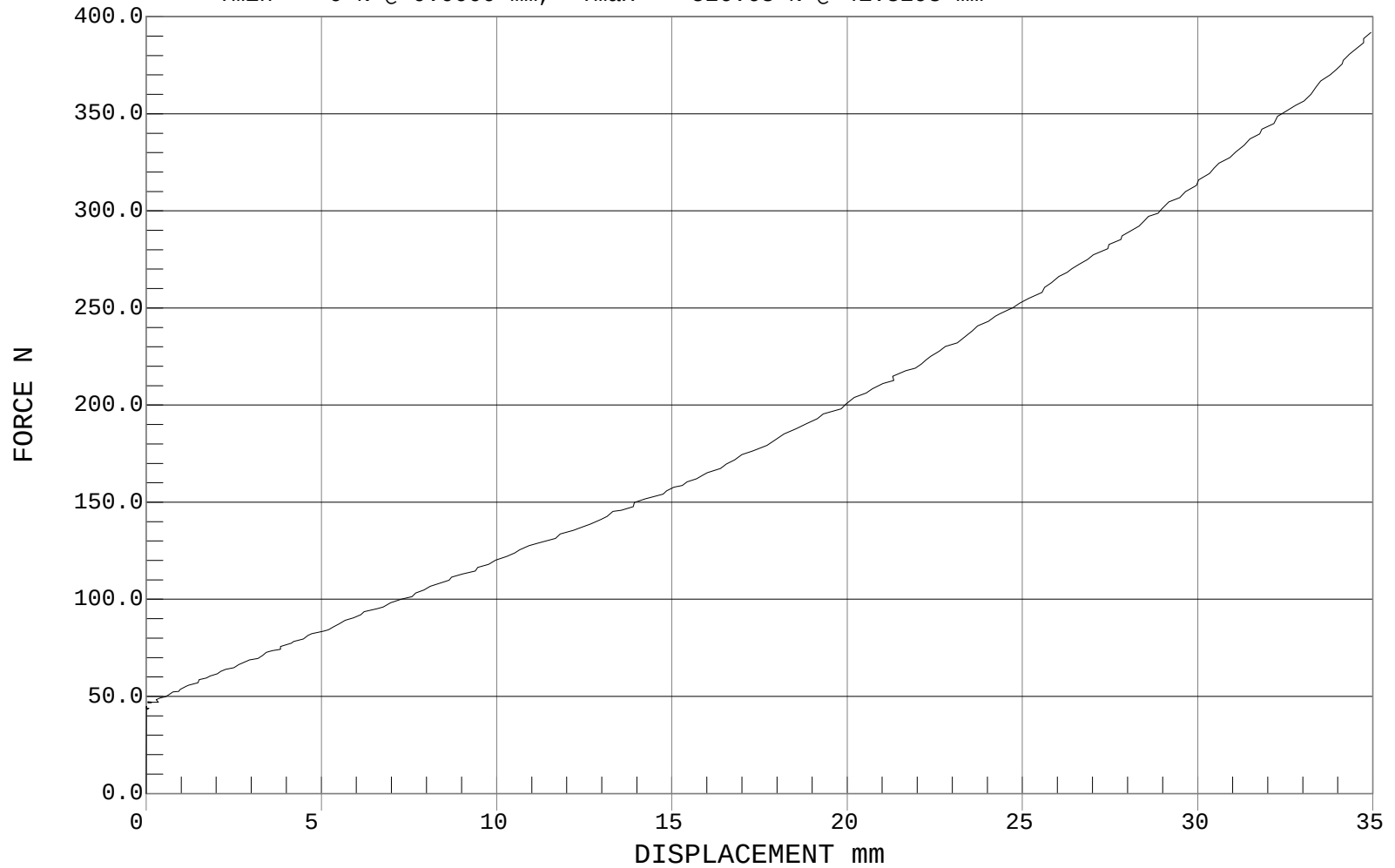
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 037

Test Date: 02-02-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

1 FORCE, D01164FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 526.63 N @ 41.8298 mm



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

Date: 2/2/01
Dummy Serial Number: 037
Test Number: D01165

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	20.8
Relative Humidity (%)	10 – 70	18
Force @ 0°	0 – 26.7	0
Force @ 20°	97.9 – 151.2	101.3
Force @ 30°	151.2 – 204.6	153.4
Force @ 40°	204.6 – 258.0	217.6
Return Angle	12° maximum	8

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



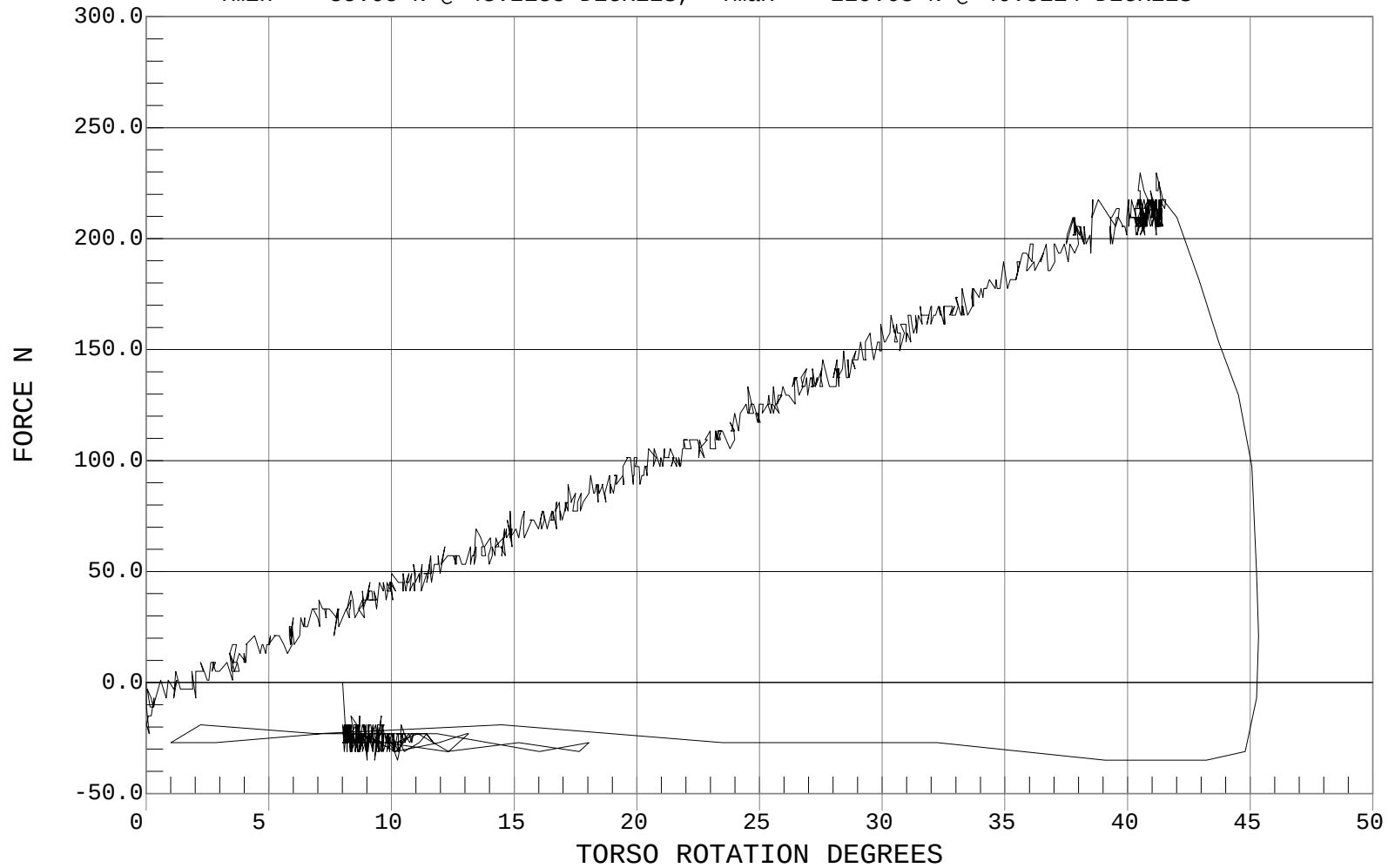
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 037

Test Date: 02-02-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D01165FC.F14

Ymin = -35.05 N @ 43.2138 DEGREES, Ymax = 229.63 N @ 40.5114 DEGREES



DUMMY INSPECTION CHECKLIST

Type: Side Impact Dummy

Dummy Serial Number: 037

Inspected By: Tim Michnay

Date: 2/2/01

<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: 036

Calibration Test Results Summary

Dummy Serial Number: 036

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: 036
 Date of Verification: 3/22/01
 Test Number: D0133

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	901
RH-Rib Height (mm)	501 – 521	505
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	520
SW-Knee Pivot to Floor (mm)	490 – 505	496
HW – Hip Width (mm)	356 – 391	372

Technician: _____

Approved By:_____

MGA RESEARCH CORPORATION

HEAD DROP TEST

SIDE IMPACT DUMMY (SID)

Date: 3/22/01

Dummy Serial Number: 036

Test Number: D01331

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 - 25.5	22.3
Relative Humidity (%)	10 - 70	26
Peak Resultant Acceleration	210 - 260 g's	214
Peak Lateral Acceleration	< 10 g's	-5
Time Above 100 g.	0.9 - 1.5 msec.	1.2

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



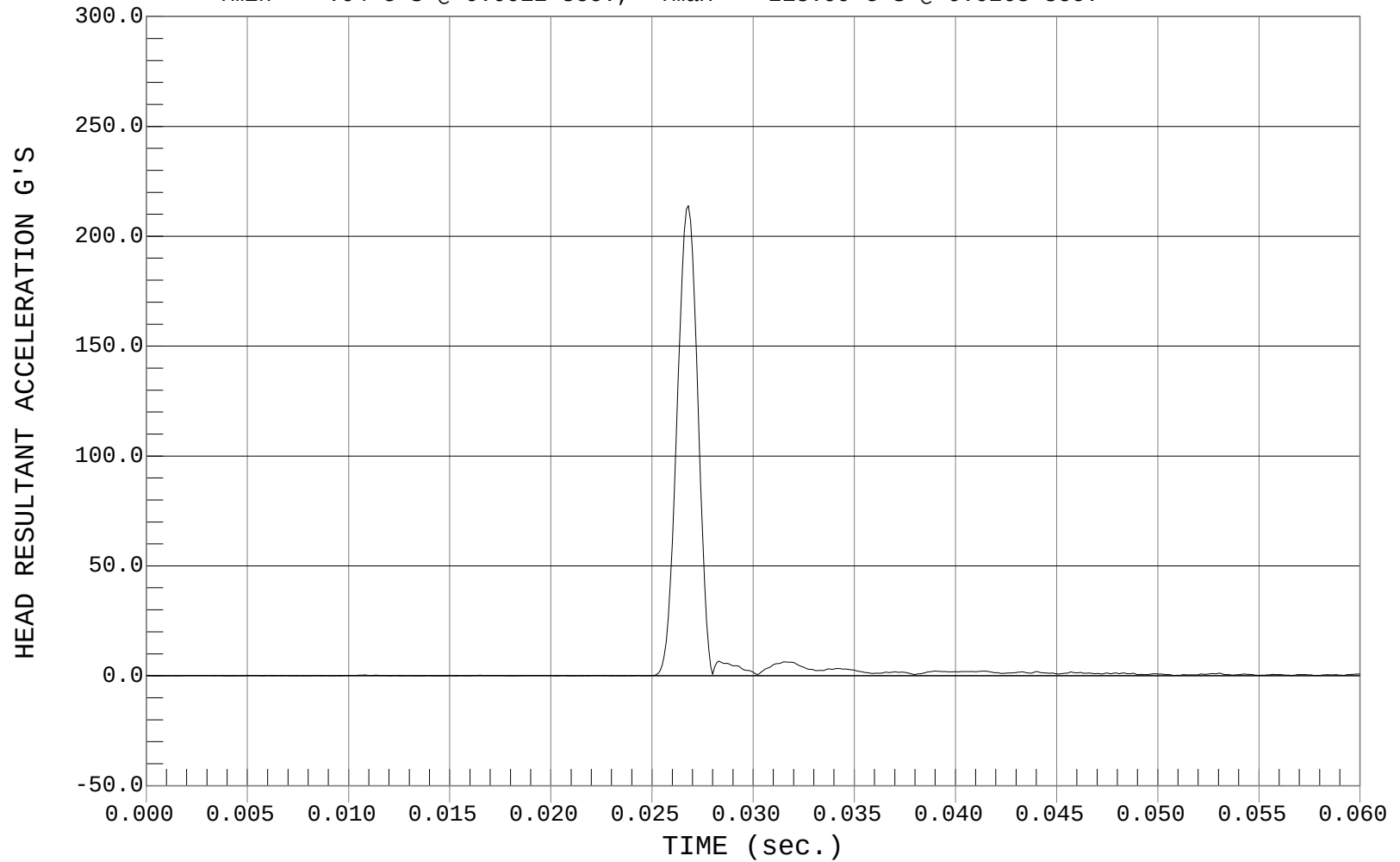
PEAK RESULTANT ACCELERATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #036

Test Date: 03-22-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD RESULTANT ACCELERATION, D01331av.a01

Ymin = .04 G'S @ 0.0012 sec., Ymax = 213.99 G'S @ 0.0268 sec.





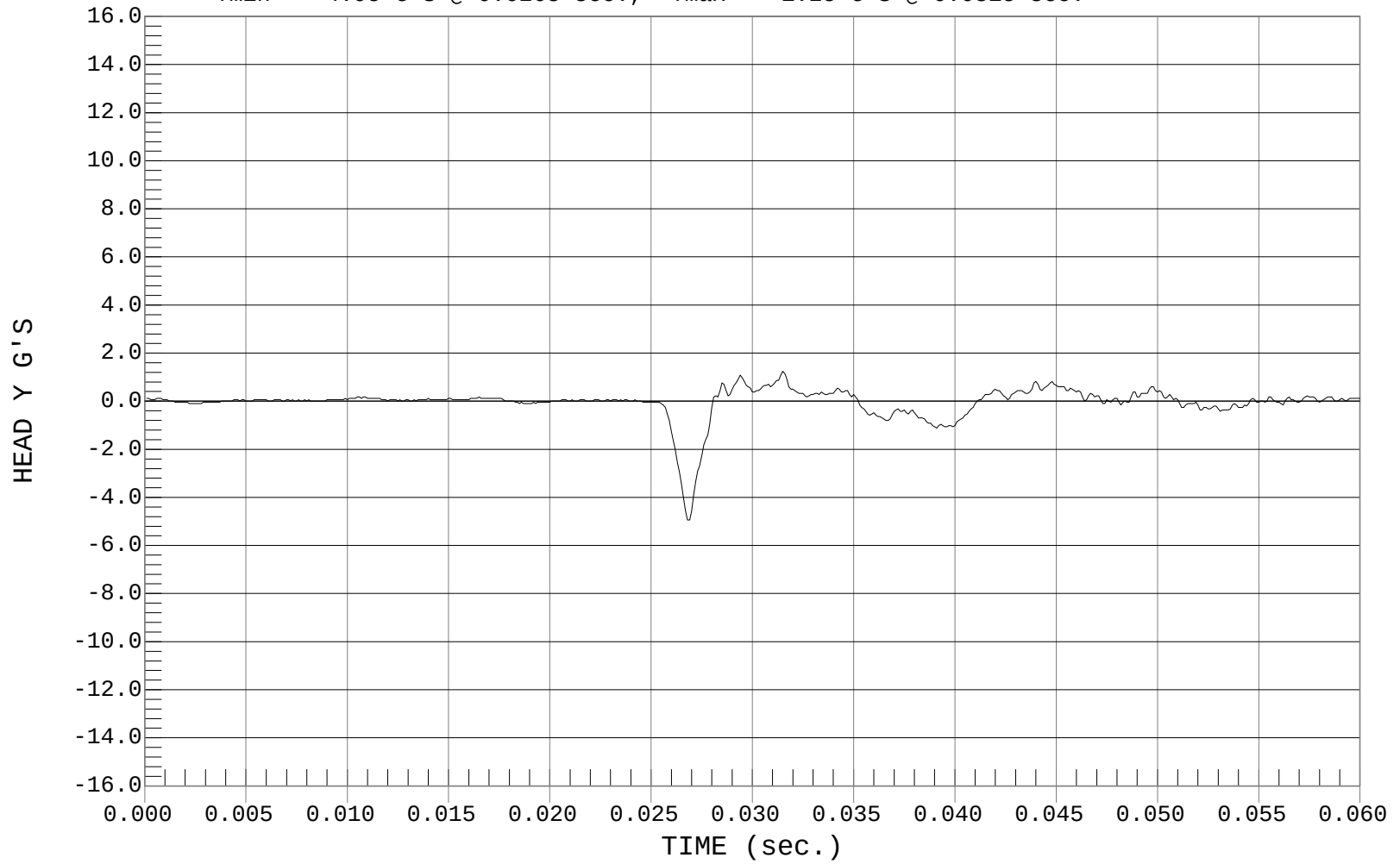
PEAK LATERAL ACCELARATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #036

Test Date: 03-22-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD Y, D01331AR.A02

Ymin = -4.95 G'S @ 0.0268 sec., Ymax = 1.25 G'S @ 0.0315 sec.



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

Date: 3/21/01

Dummy Serial Number: 036

Test Number: D01332

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.5
Relative Humidity (%)	10 – 70	22
Probe Speed (m/s)	4.27 – 4.33	4.27
Upper Rib (g's)	37 – 46	45
Lower Rib (g's)	37 – 46	44
Lower Spine (g's)	15 - 22	19

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



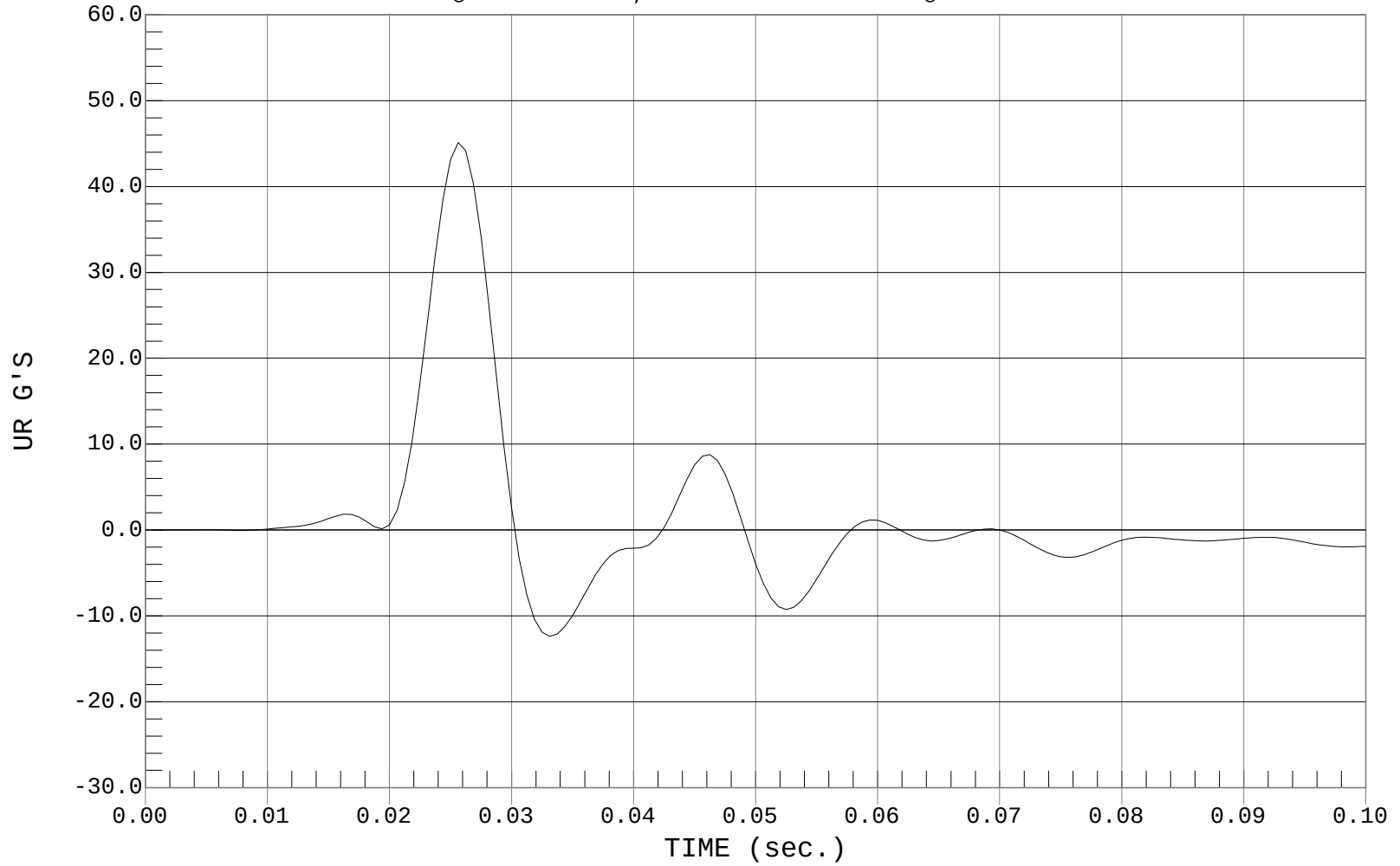
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #036

Test Date: 03-21-01
Speed: 14.01 FT/SEC, 4.27 M/SEC

— 1 UR, D01332FI.R08

Ymin = -12.4 G'S @ 0.0331 sec., Ymax = 45.12 G'S @ 0.0256 sec.





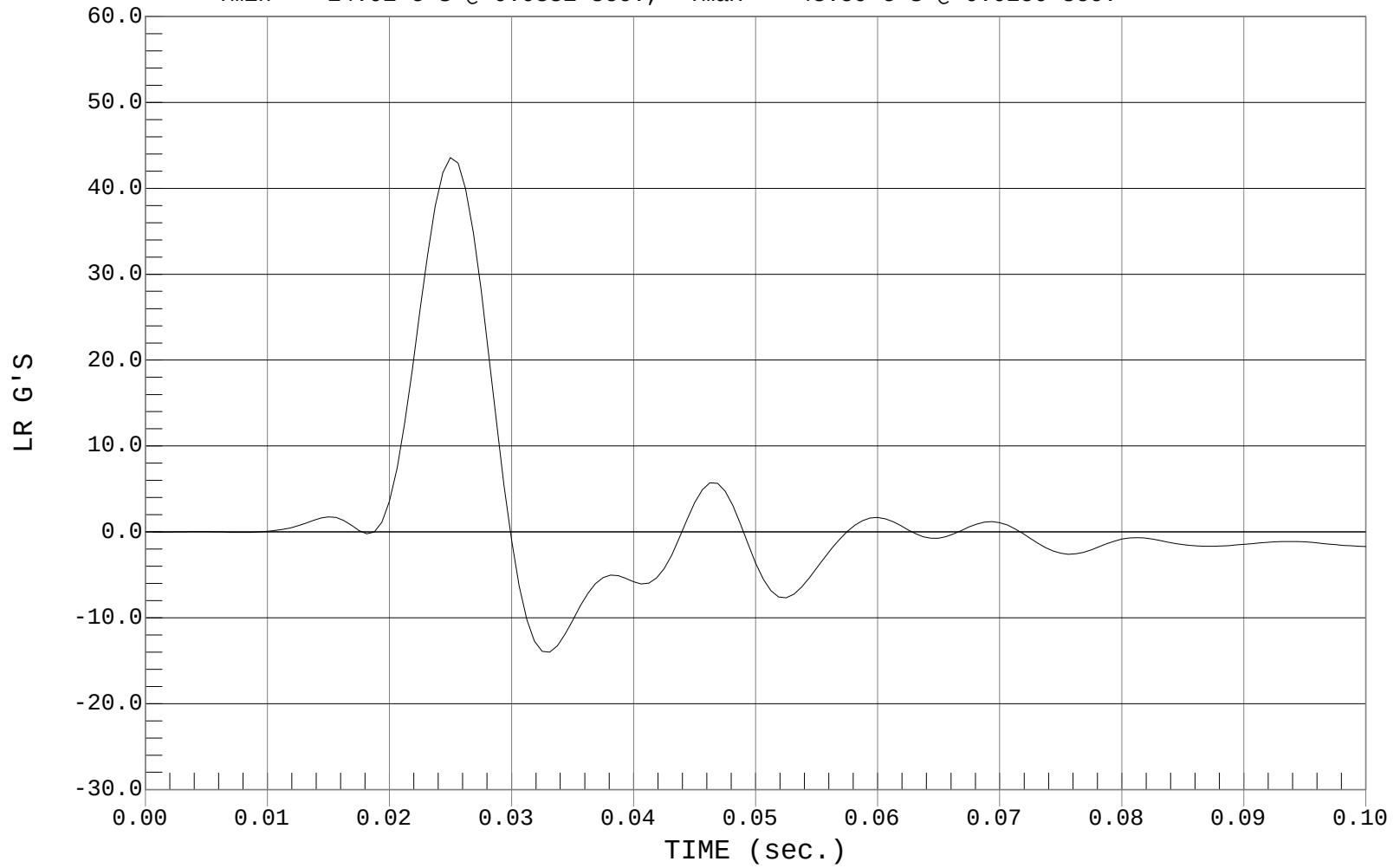
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #036

Test Date: 03-21-01
Speed: 14.01 FT/SEC, 4.27 M/SEC

— 1 LR, D01332FI.R09

Ymin = -14.01 G'S @ 0.0331 sec., Ymax = 43.59 G'S @ 0.0250 sec.





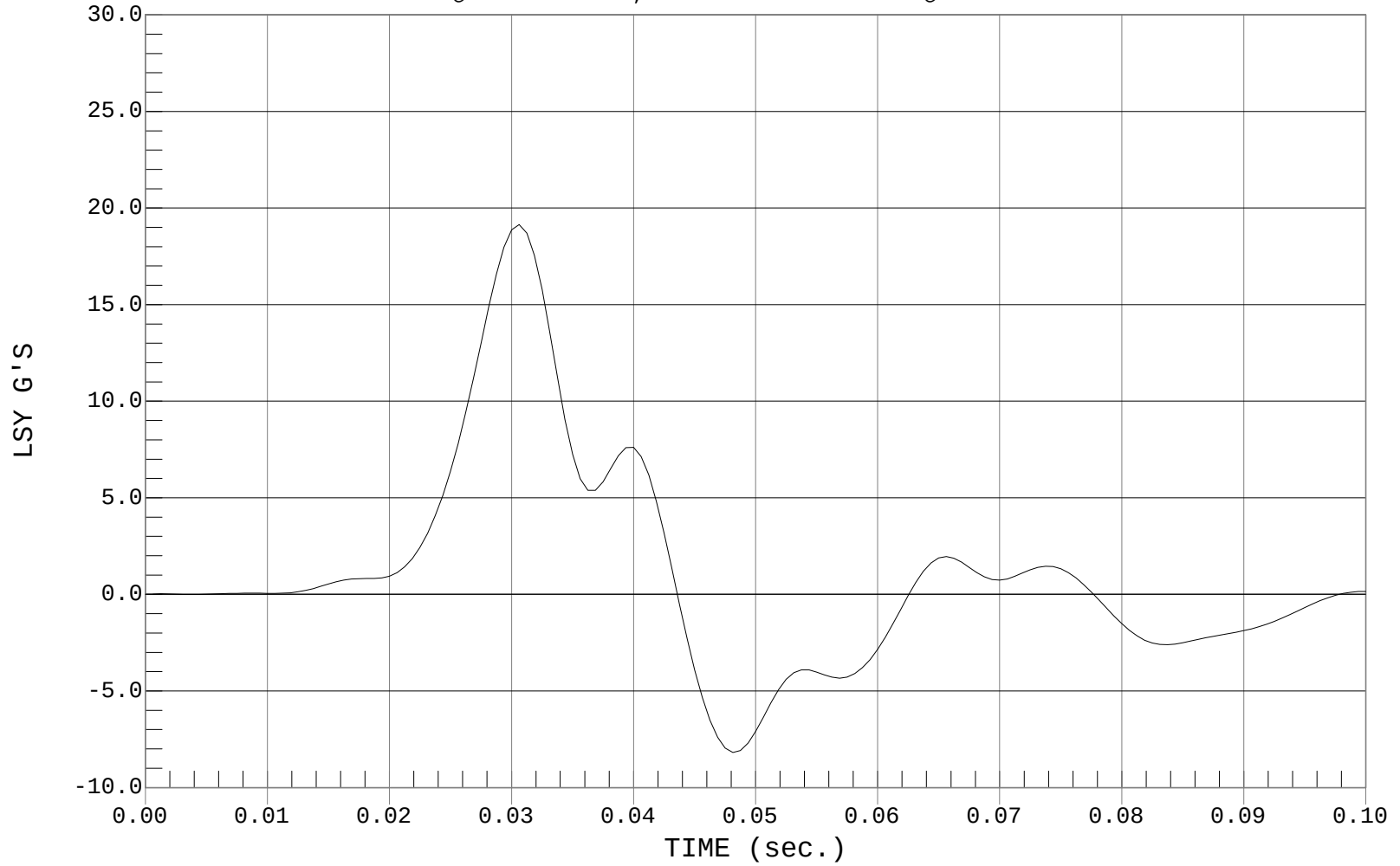
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #036

Test Date: 03-21-01
Speed: 14.01 FT/SEC, 4.27 M/SEC

— 1 LSY, D01332FI.R10

Ymin = -8.18 G'S @ 0.0481 sec., Ymax = 19.14 G'S @ 0.0306 sec.



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

Date: 3/21/01

Dummy Serial Number: 036

Test Number: D01333

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.5
Relative Humidity (%)	10 – 70	22
Probe Speed (m/s)	4.27 – 4.33	4.29
Pelvis Acceleration (g's)	40 – 60	46

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



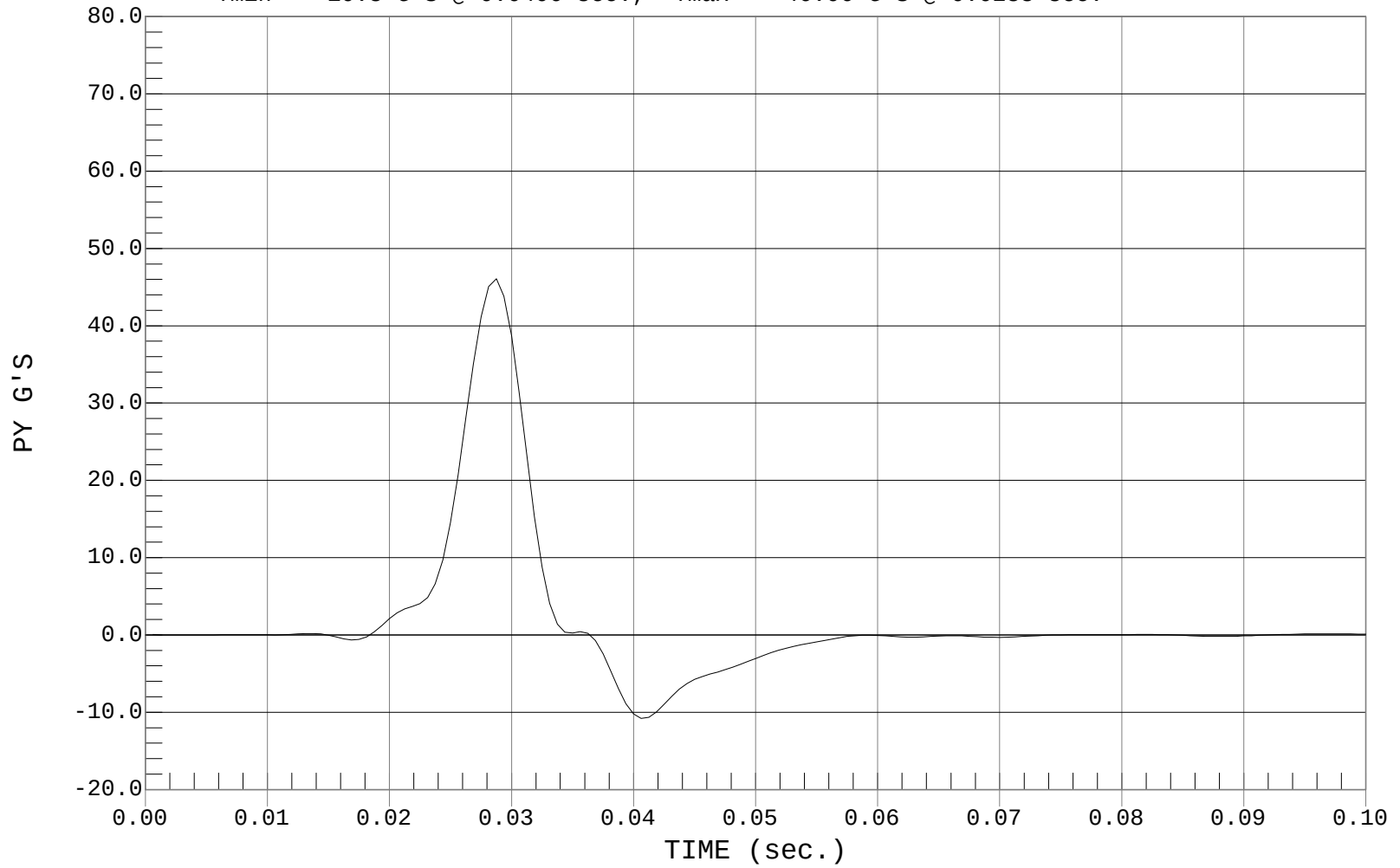
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #036

Test Date: 03-21-01
Speed: 14.06 FT/SEC, 4.29 M/SEC

— 1 PY, D01333FI.R11

Ymin = -10.8 G'S @ 0.0406 sec., Ymax = 46.06 G'S @ 0.0288 sec.



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

Date: 3/21/01

Dummy Serial Number: 036

Test Number: D01334

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	22.6
Relative Humidity (%)	10 – 70	26
Force @ 12.7 mm	104 – 162	151
Force @ 19 mm	163 – 222	207
Force @ 25.4 mm	222 – 280	275
Force @ 33 mm	325 - 391	380

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



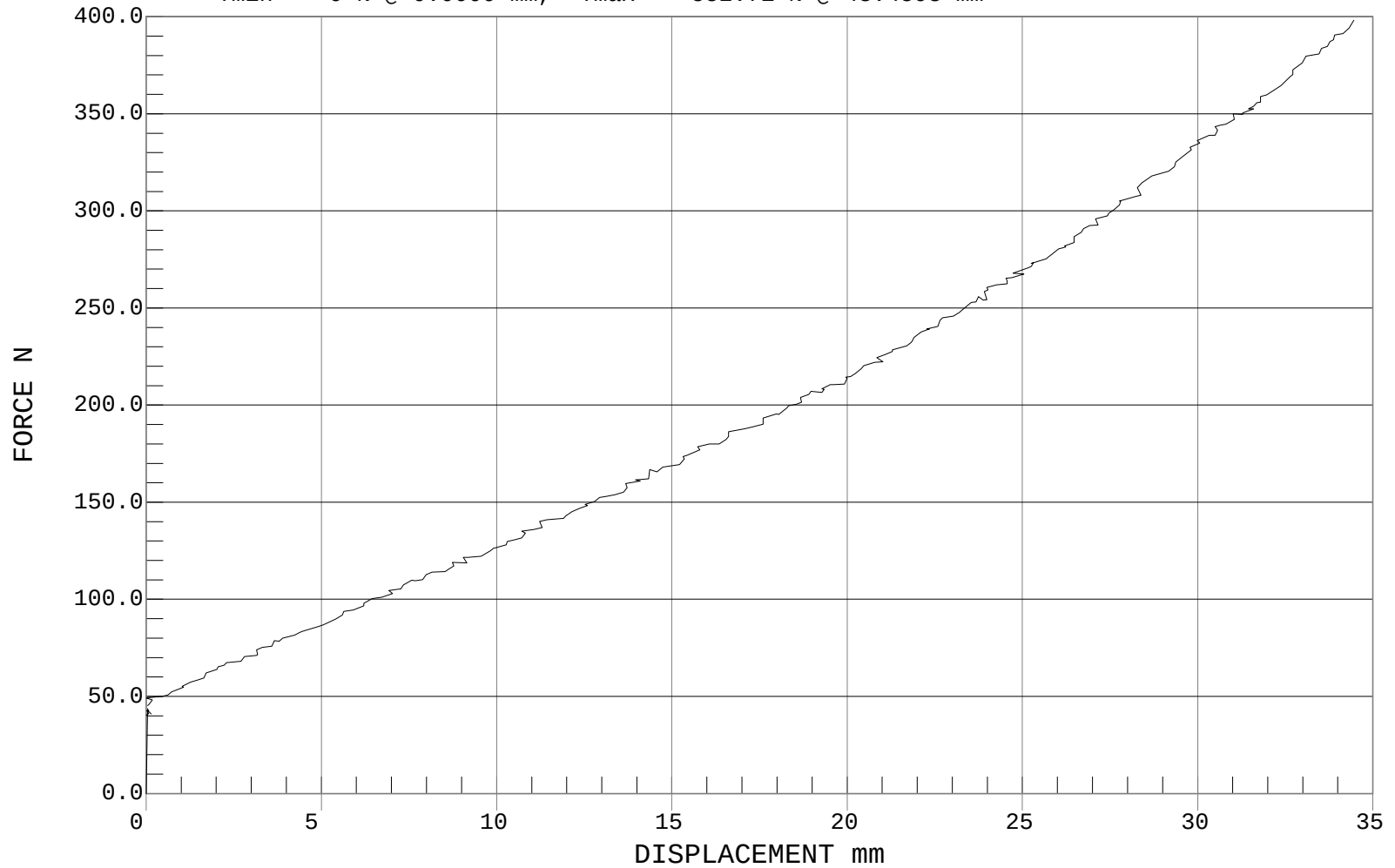
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 036

Test Date: 03-21-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D01334FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 552.71 N @ 43.4598 mm



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

Date: 3/21/01

Dummy Serial Number: 036

Test Number: D01335

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	22.6
Relative Humidity (%)	10 – 70	26
Force @ 0°	0 – 26.7	0
Force @ 20°	97.9 – 151.2	102.7
Force @ 30°	151.2 – 204.6	139.6
Force @ 40°	204.6 – 258.0	242.1
Return Angle	12° maximum	4

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



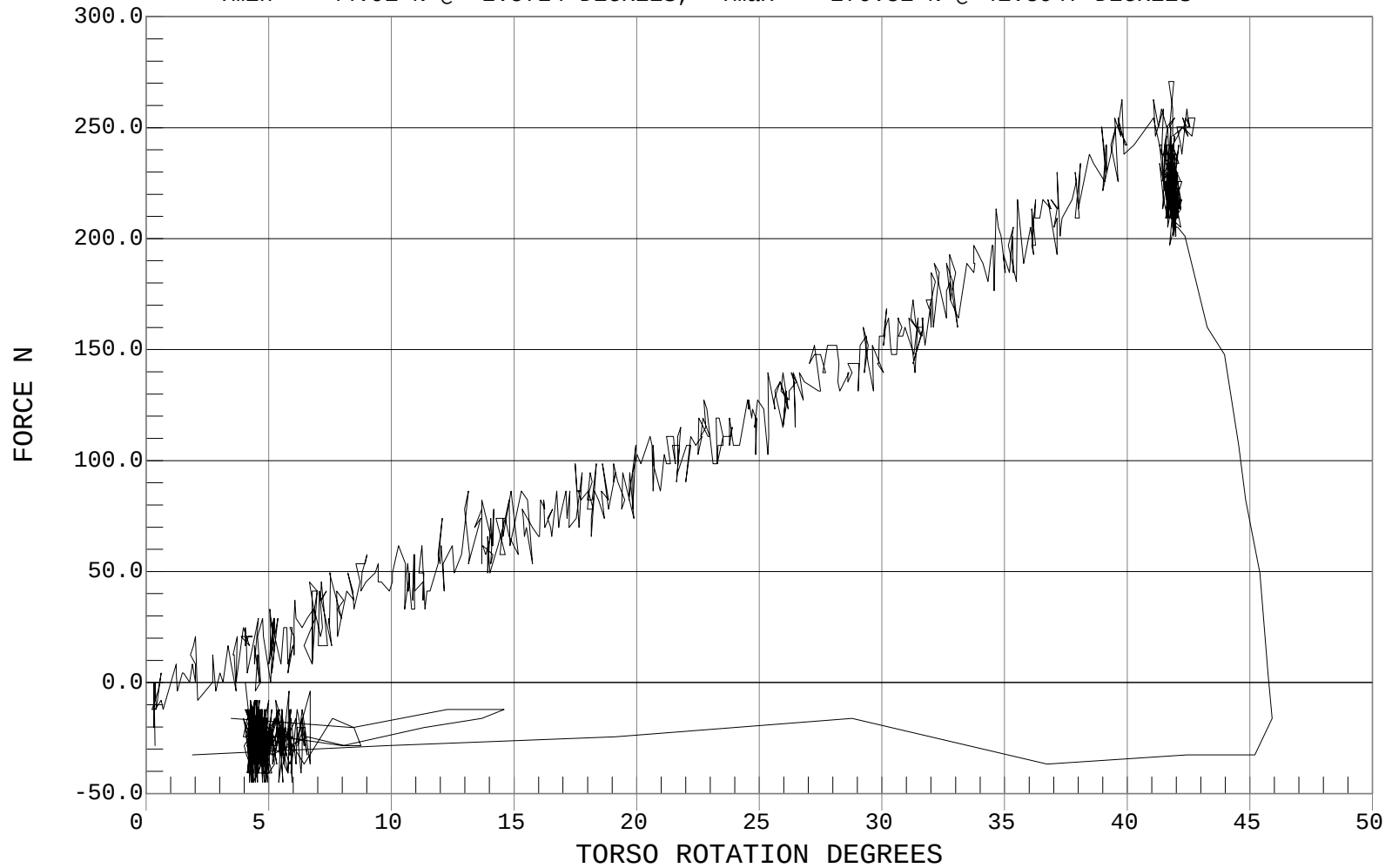
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 036

Test Date: 03-21-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D01335FC.F14

Ymin = -44.91 N @ -2.5724 DEGREES, Ymax = 270.81 N @ 41.8947 DEGREES



DUMMY INSPECTION CHECKLIST

Type: Side Impact Dummy

Dummy Serial Number: 036

Inspected By: Tim Michnay

Date: 3/22/01

<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: 037

Calibration Test Results Summary

Dummy Serial Number: 037

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: 037
 Date of Verification: 3/22/01
 Test Number: D0134

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	901
RH-Rib Height (mm)	501 – 521	511
HP-Hip Pivot Height (mm)	99 ref.	99
RD-Rib From Back Line (mm)	229 - 241	236
KV-Knee Pivot From Back Line (mm)	511 – 526	520
SW-Knee Pivot to Floor (mm)	490 – 505	494
HW – Hip Width (mm)	356 – 391	380

Technician: _____

Approved By:_____

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

Date: 3/22/01

Dummy Serial Number: 037

Test Number: D01341

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 - 25.5	22.3
Relative Humidity (%)	10 - 70	26
Peak Resultant Acceleration	210 - 260 g's	217
Peak Lateral Acceleration	< 10 g's	2
Time Above 100 g.	0.9 - 1.5 msec.	1.2

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



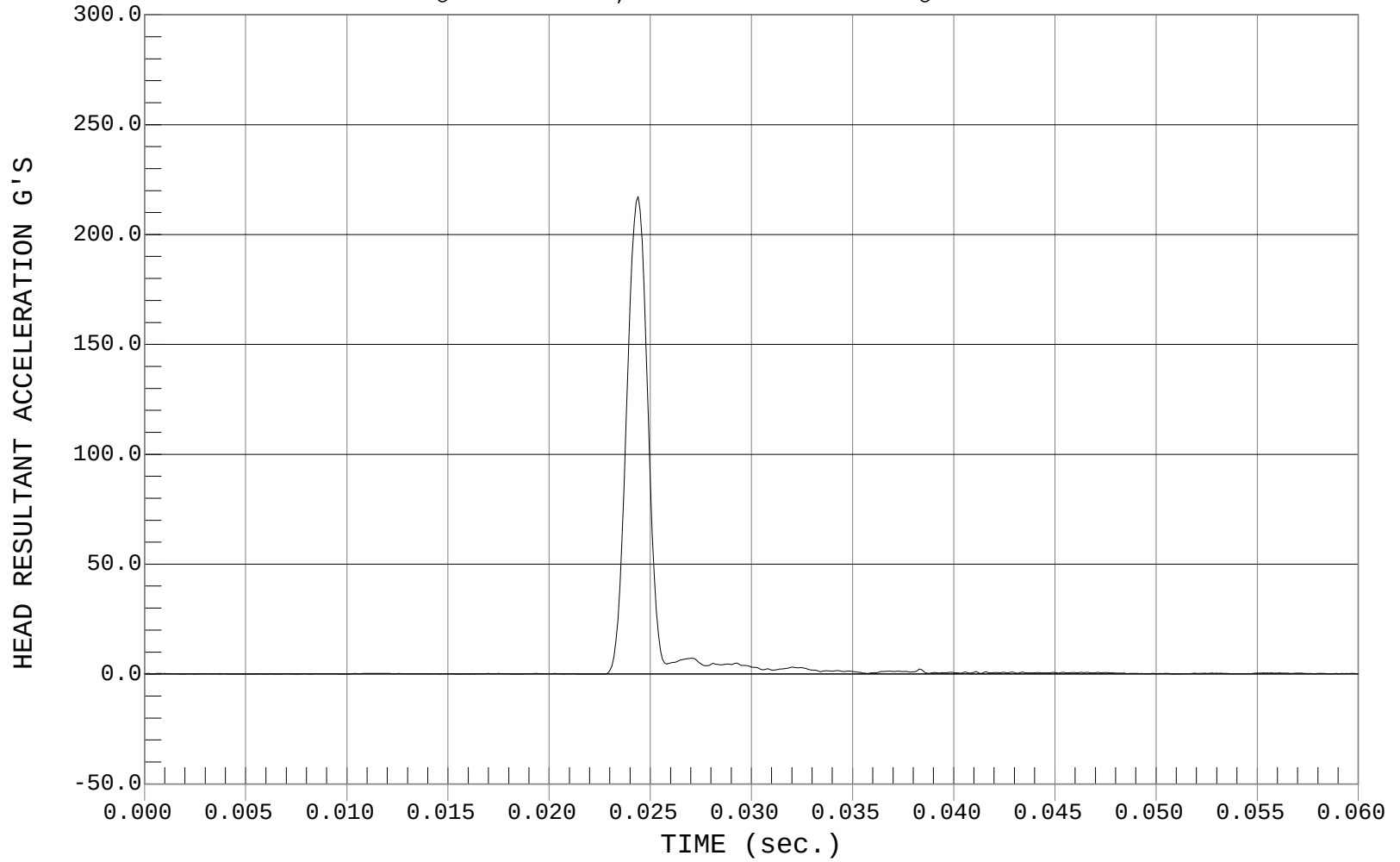
PEAK RESULTANT ACCELERATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #037

Test Date: 03-22-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD RESULTANT ACCELERATION, D01341av.a01

Ymin = .04 G'S @ 0.0017 sec., Ymax = 217.27 G'S @ 0.0244 sec.





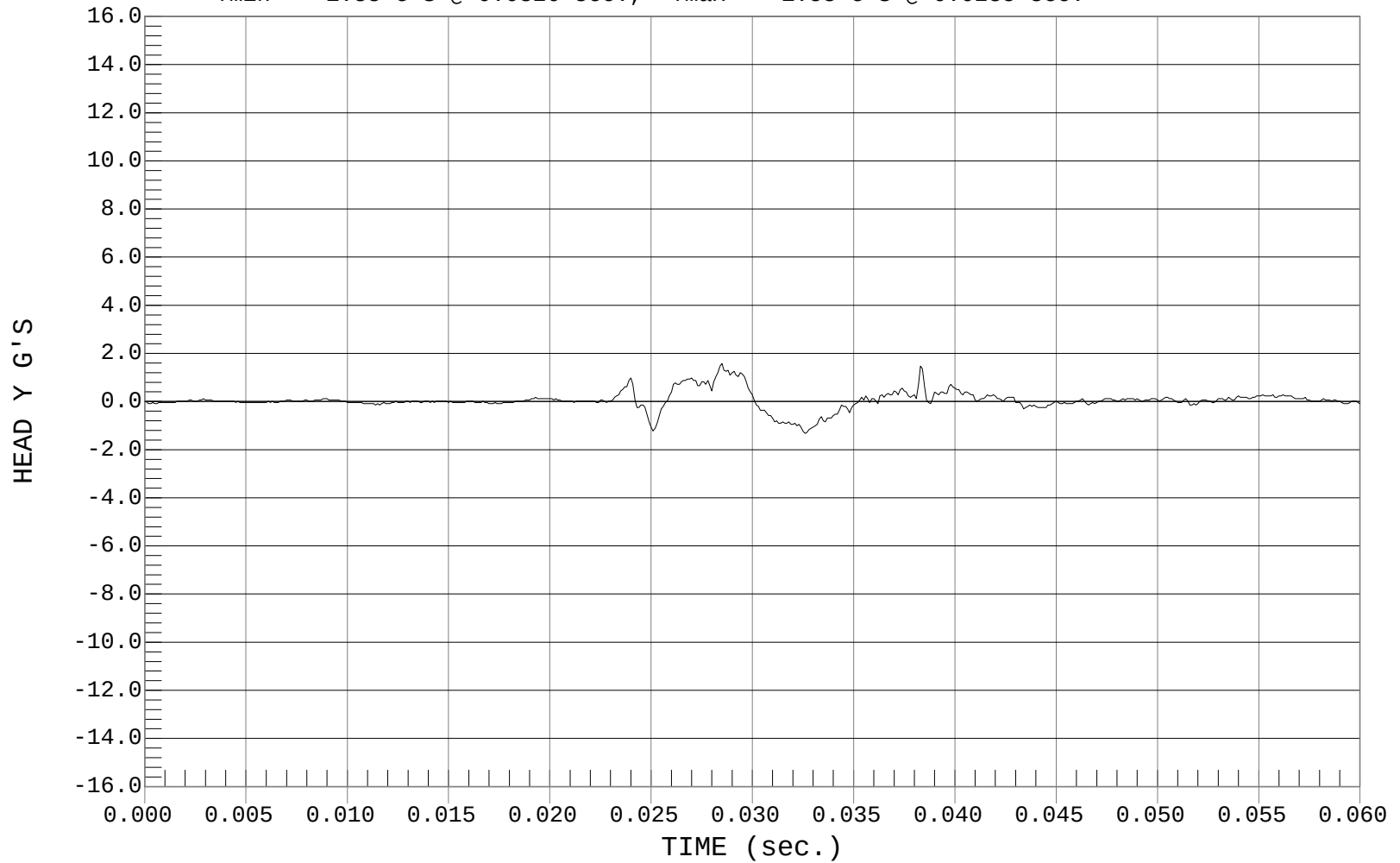
PEAK LATERAL ACCELARATION

Test Desc.: Dummy Calibration - Head Drop
Component: Dummy #037

Test Date: 03-22-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 HEAD Y, D01341AR.A02

Ymin = -1.33 G'S @ 0.0326 sec., Ymax = 1.58 G'S @ 0.0285 sec.



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

Date: 3/21/01

Dummy Serial Number: 037

Test Number: D01342

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.8
Relative Humidity (%)	10 – 70	22
Probe Speed (m/s)	4.27 – 4.33	4.29
Upper Rib (g's)	37 – 46	45
Lower Rib (g's)	37 – 46	45
Lower Spine (g's)	15 - 22	20

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



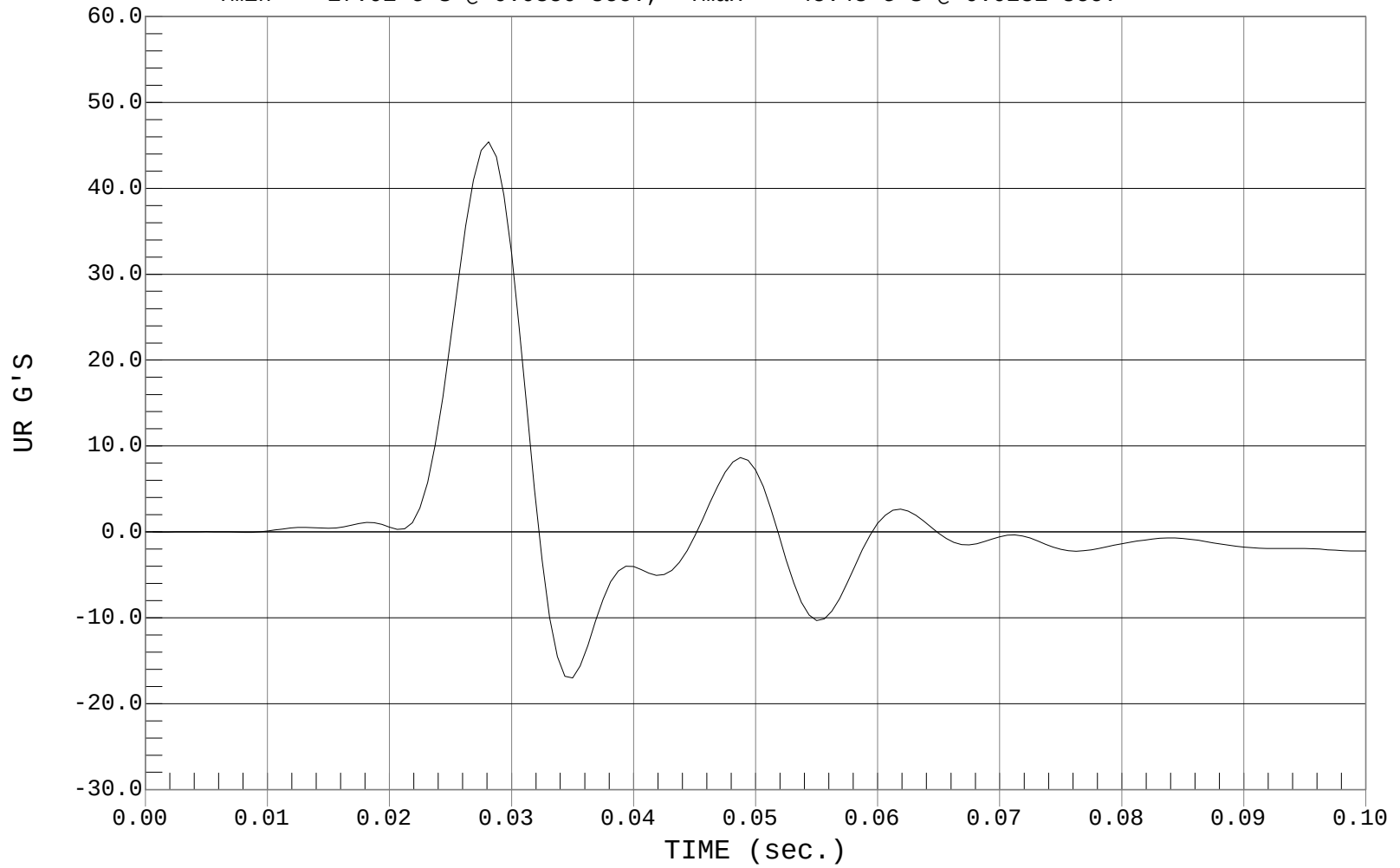
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #037

Test Date: 03-21-01
Speed: 14.09 FT/SEC, 4.29 M/SEC

— 1 UR, D01342FI.R08

Ymin = -17.01 G'S @ 0.0350 sec., Ymax = 45.43 G'S @ 0.0281 sec.





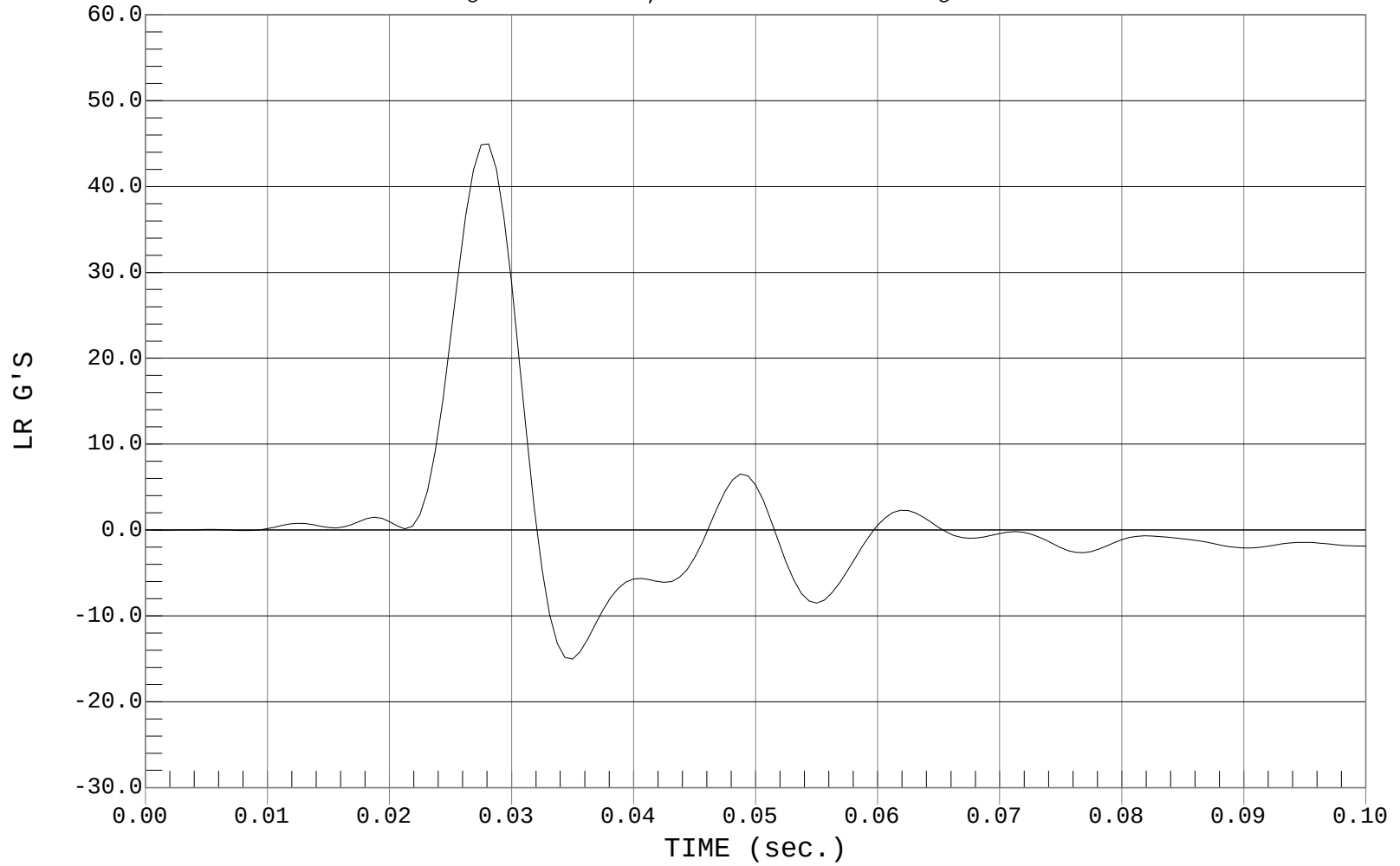
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #037

Test Date: 03-21-01
Speed: 14.09 FT/SEC, 4.29 M/SEC

1 LR, D01342FI.R09

Ymin = -15.02 G'S @ 0.0350 sec., Ymax = 44.96 G'S @ 0.0281 sec.





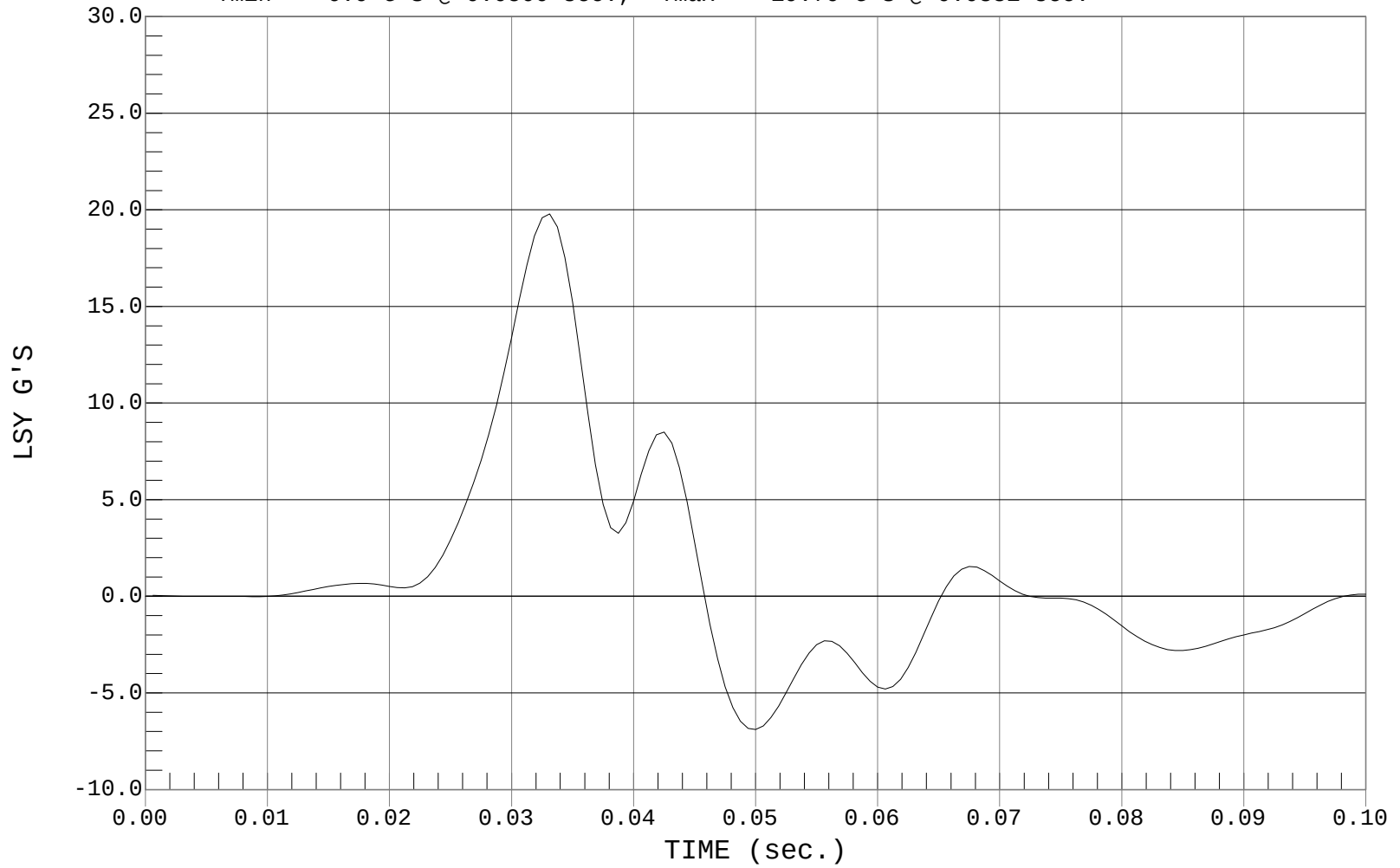
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #037

Test Date: 03-21-01
Speed: 14.09 FT/SEC, 4.29 M/SEC

— 1 LSY, D01342FI.R10

Ymin = -6.9 G'S @ 0.0500 sec., Ymax = 19.79 G'S @ 0.0331 sec.



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

Date: 3/21/01

Dummy Serial Number: 037

Test Number: D01343

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.8
Relative Humidity (%)	10 – 70	22
Probe Speed (m/s)	4.27 – 4.33	4.27
Pelvis Acceleration (g's)	40 – 60	46

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



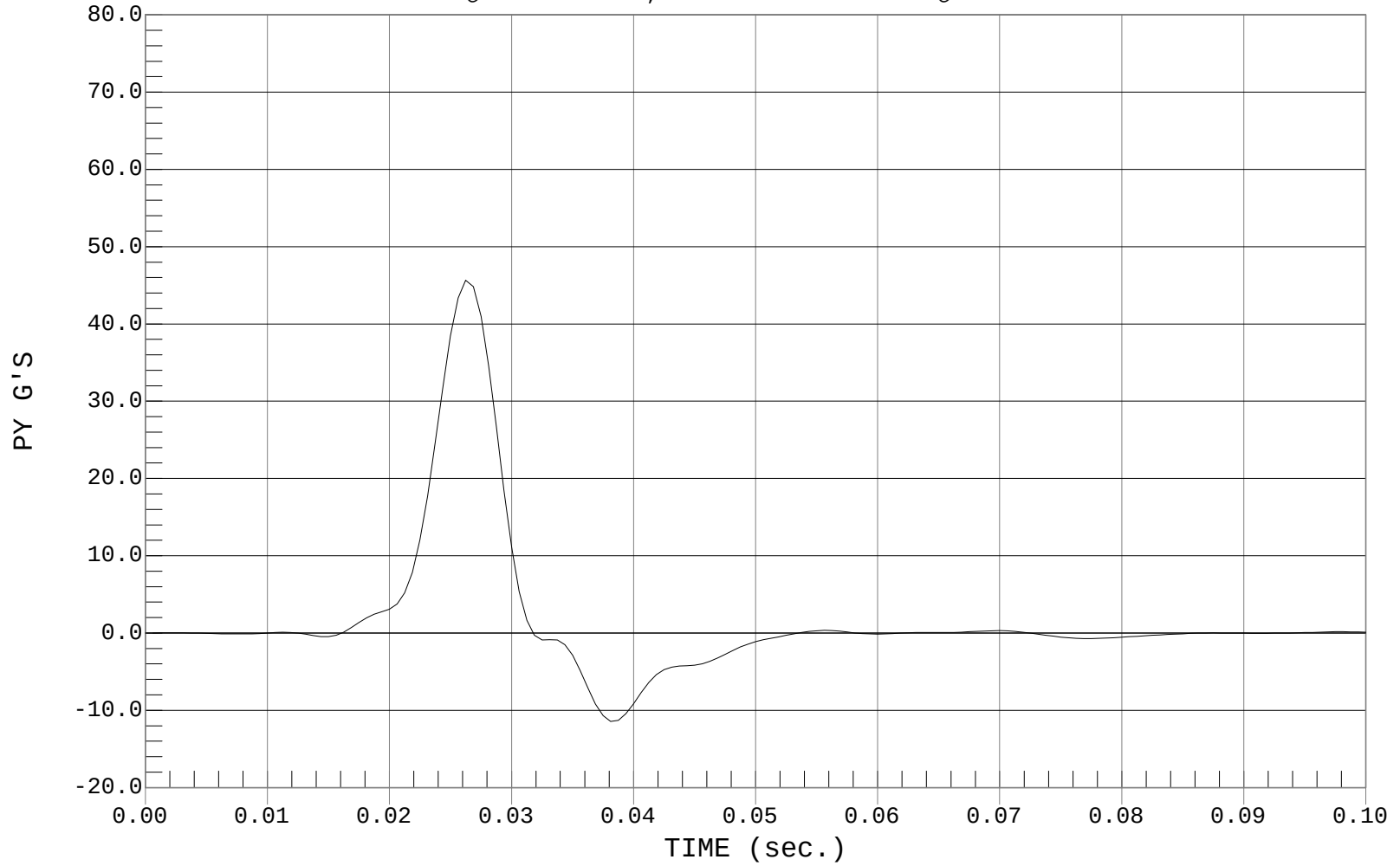
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #037

Test Date: 03-21-01
Speed: 14.02 FT/SEC, 4.27 M/SEC

— 1 PY, D01343FI.R11

Ymin = -11.43 G'S @ 0.0381 sec., Ymax = 45.64 G'S @ 0.0263 sec.



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

Date: 3/21/01

Dummy Serial Number: 037

Test Number: D01344

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	22.8
Relative Humidity (%)	10 – 70	24
Force @ 12.7 mm	104 – 162	132
Force @ 19 mm	163 – 222	179
Force @ 25.4 mm	222 – 280	240
Force @ 33 mm	325 - 391	328

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



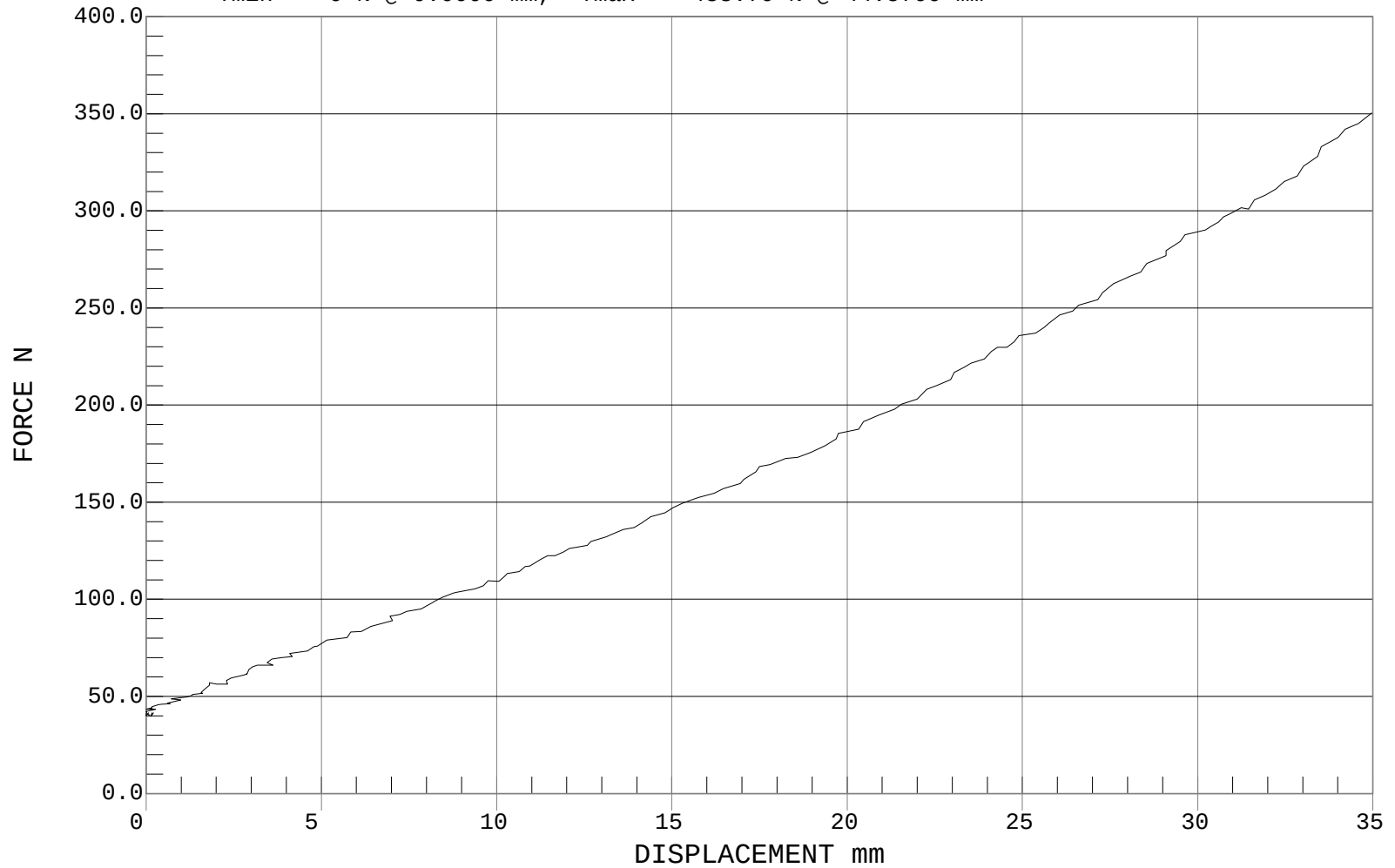
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 037

Test Date: 03-21-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

1 FORCE, D01344FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 483.79 N @ 44.5799 mm



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

Date: 3/21/01

Dummy Serial Number: 037

Test Number: D01345

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	22.6
Relative Humidity (%)	10 – 70	26
Force @ 0°	0 – 26.7	0
Force @ 20°	97.9 – 151.2	124.5
Force @ 30°	151.2 – 204.6	168.9
Force @ 40°	204.6 – 258.0	237.5
Return Angle	12° maximum	6

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



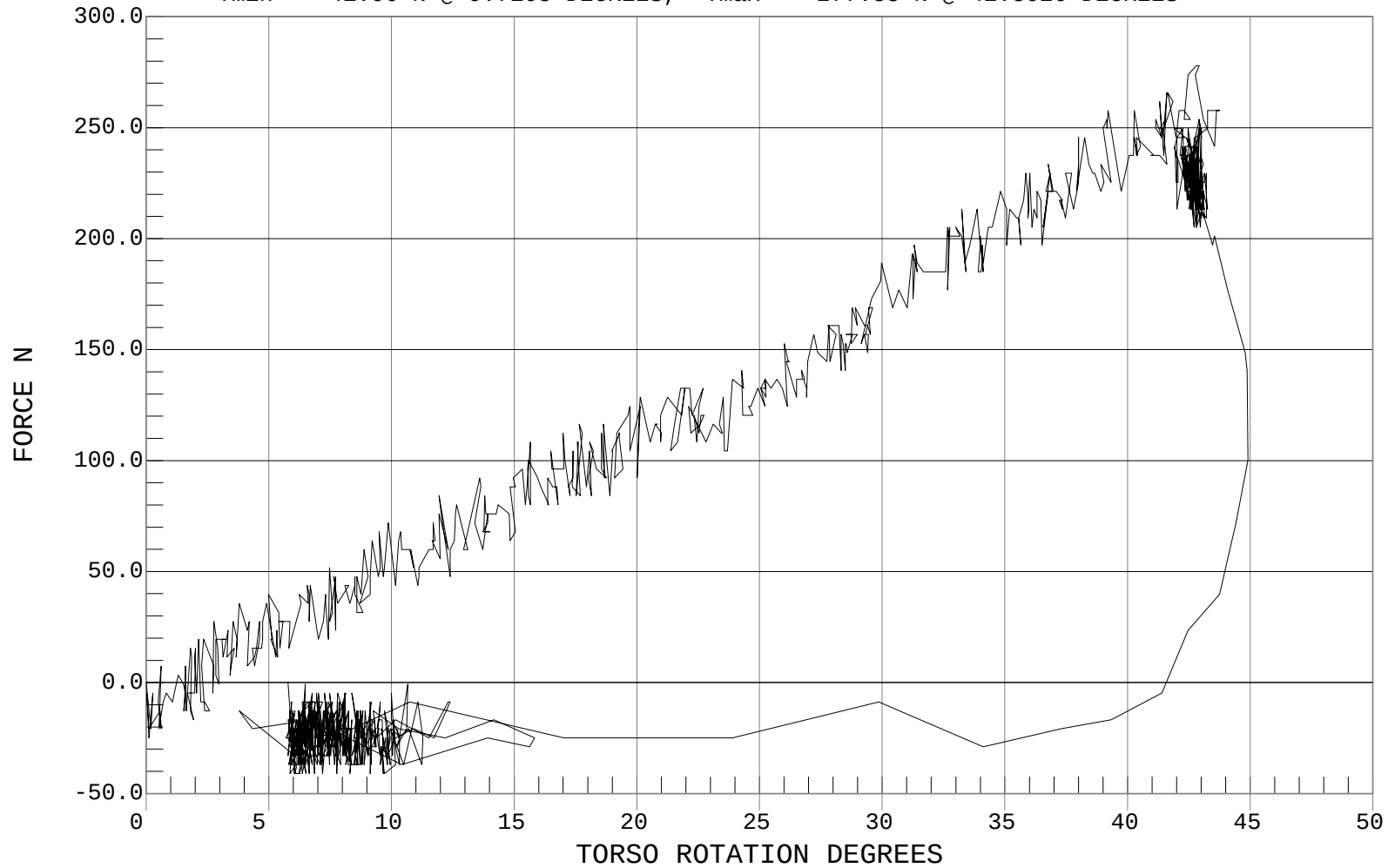
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 037

Test Date: 03-21-01
Speed: 0.00 FT/SEC, 0.00 M/SEC

— 1 FORCE, D01345FC.F14

Ymin = -41.06 N @ 9.7108 DEGREES, Ymax = 277.88 N @ 42.8026 DEGREES



DUMMY INSPECTION CHECKLIST

Type: Side Impact Dummy

Dummy Serial Number: 037

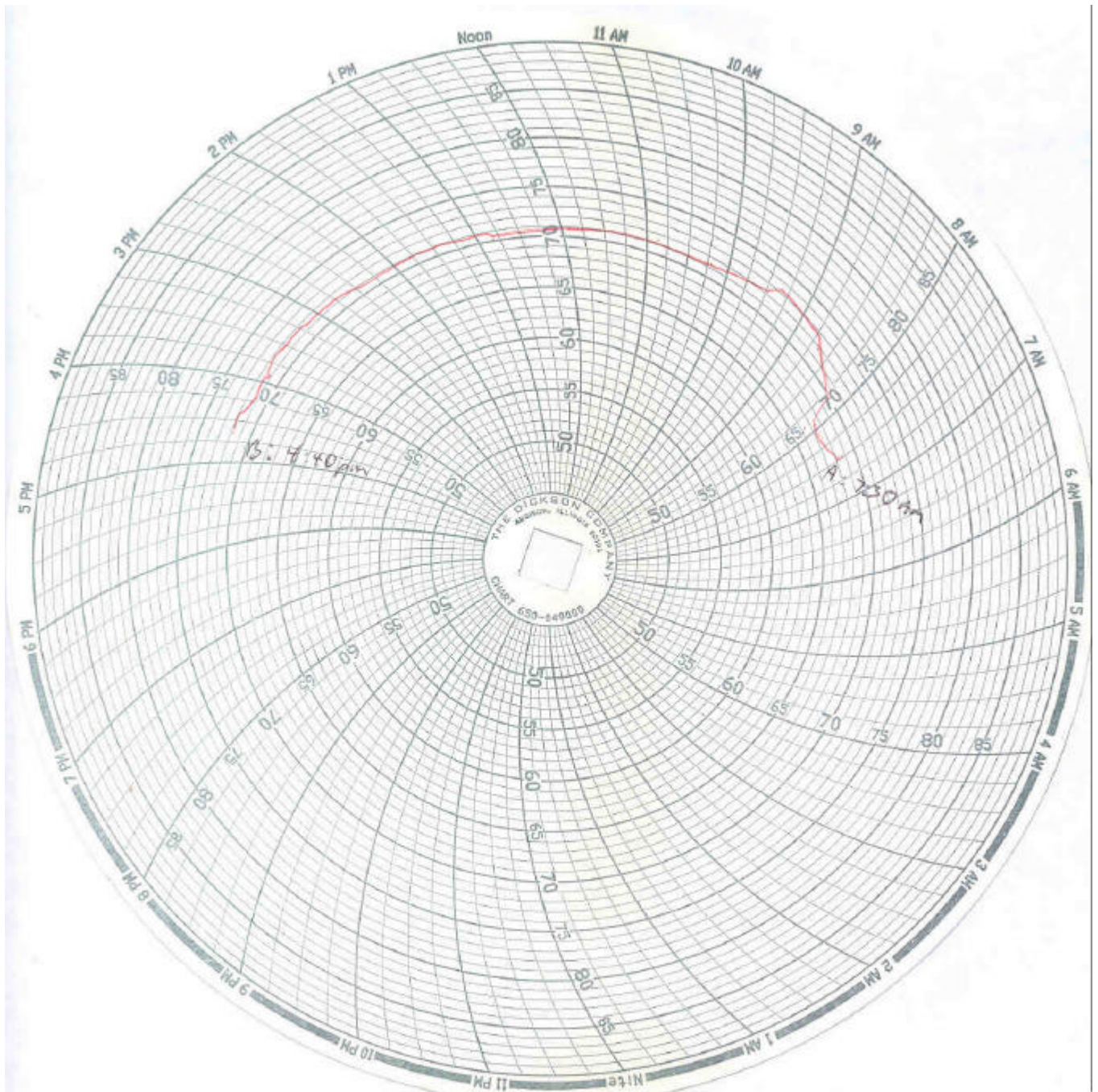
Inspected By: Tim Michnay

Date: 3/22/01

<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 7:30 a.m.

B = Test conducted at 4:40 p.m.

APPENDIX D

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

DUMMY AND VEHICLE CALIBRATION DATA

	INSTRUMENTS FOR DRIVER DUMMY NO. 037		
	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Upper Rib Y	AP138	Endevco	12/19/00
Lower Rib Y	J11361	Endevco	10/3/00
Lower Spine Y	AMP12	Endevco	11/17/00
Pelvis Y	J10411	Endevco	10/2/00
Upper Rib Redundant Y	AP0G2	Endevco	12/19/00
Lower Rib Redundant Y	J12465	Endevco	10/3/00
Lower Spine Redundant Y	AGWA4	Endevco	11/17/00
Pelvis Redundant Y	ALEC1	Endevco	10/2/00
Head Center of Gravity X	AMTB8	Endevco	10/3/00
Head Center of Gravity Y	AP1Y1	Endevco	10/3/00
Head Center of Gravity Z	ACC81	Endevco	10/3/00

	INSTRUMENTS FOR PASSENGER DUMMY NO. 036		
	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Upper Rib Y	AN8M6	Endevco	11/17/00
Lower Rib Y	ALEJ1	Endevco	10/2/00
Lower Spine Y	ALDY8	Endevco	11/17/00
Pelvis Y	AGP28	Endevco	8/31/00
Upper Rib Redundant Y	AN8P9	Endevco	11/17/00
Lower Rib Redundant Y	ALDP3	Endevco	10/2/00
Lower Spine Redundant Y	AP0E1	Endevco	11/17/00
Pelvis Redundant Y	AJ8T5	Endevco	8/31/00
Head Center of Gravity X	ALFP1	Endevco	9/19/00
Head Center of Gravity Y	AP179	Endevco	9/19/00
Head Center of Gravity Z	AHTY4	Endevco	9/19/00

VEHICLE INSTRUMENT CALIBRATION

	VEHICLE ACCELEROMETERS		
	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Moving Barrier CG X	I25-F09	Entran	12/13/00
Moving Barrier CG Y	I25-F07	Entran	12/13/00
Moving Barrier CG Z	I25-F08	Entran	12/13/00
Moving Barrier Rear Axle X	G13-B07	Entran	12/13/00
Moving Barrier Rear Axle Y	F11-G02	Entran	1/4/01
Left Mid A-Post Y	I18-G02	Entran	8/10/00
Left Lower A-Post Y	E10-F20	Entran	10/4/00
Left Mid B-Post Y	D05-R11	Entran	12/13/00
Left Lower B-Post Y	F12-G09	Entran	8/18/00
Rear Floorpan Above Axle X	I25-F05	Entran	11/15/00
Rear Floorpan Above Axle Y	F11-G09	Entran	9/14/00
Rear Floorpan Above Axle Z	F20-G11	Entran	9/14/00
Driver Seat Track Y	J10-E18	Entran	9/14/00
Right Side Sill at Front Seat X	F07-A20	Entran	9/14/00
Right Side Sill at Front Seat Y	J10-E03	Entran	12/14/00
Right Side Sill at Front Seat Z	G01-J04	Entran	12/14/00
Right Side Sill at Rear Seat X	I25-F04	Entran	12/13/00
Right Side Sill at Rear Seat Y	A09-G07	Entran	12/13/00
Right Side Sill at Rear Seat Z	A09-G02	Entran	9/12/00
Left Side Sill at Front Seat Y	E13-D06	Entran	8/8/00
Left Side Sill at Rear Seat Y	A08-A15	Entran	2/8/01
Right Rear Occupant Compartment Y	G13-F04	Entran	9/14/00
Vehicle CG X	G13-F04	Entran	2/7/01
Vehicle CG Y	K11-J08	Entran	2/7/01
Vehicle CG Z	G13-F06	Entran	2/7/01

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

All Entran accelerometers are Model No. EGE-72