

REPORT NUMBER: 214D-MGA-2001-011

**TESTING FOR FMVSS 214
SIDE IMPACT PROTECTION**

**Ford Motor Company
1995 Ford Taurus 4 door
NHTSA NUMBER: PS0201**

**PREPARED BY:
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May 1, 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 5208
WASHINGTON, D.C. 20590**

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16. Abstract A 48/24 km/h 90° Moving Deformable Barrier Test was conducted on the subject vehicle in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-214D-05 Side Impact Protection for determination of FMVSS No. 214 Side Impact Protection. The test was conducted at MGA Research Corporation, in Burlington, Wisconsin, on May 1, 2001. The impact velocity of the Moving Deformable Barrier (MDB) was 53.1 kph, and the ambient temperature at the struck (driver's side) of the vehicle was 21°C. The target vehicle's maximum post test static crush was 377 mm at level 2. 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;">53</td> <td style="text-align: center;">89</td> </tr> <tr> <td>Left Lower Rib (LLR) Accel., g</td> <td style="text-align: center;">59</td> <td style="text-align: center;">104</td> </tr> <tr> <td>Lower Spine (T₁₂) Accel., g</td> <td style="text-align: center;">81</td> <td style="text-align: center;">62</td> </tr> <tr> <td>Thoracic Trauma Index (TTI)</td> <td style="text-align: center;">70</td> <td style="text-align: center;">83</td> </tr> <tr> <td>Pelvis (PEV) Accel., g</td> <td style="text-align: center;">110</td> <td style="text-align: center;">86</td> </tr> <tr> <td>HIC</td> <td style="text-align: center;">289</td> <td style="text-align: center;">1037</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	53	89	Left Lower Rib (LLR) Accel., g	59	104	Lower Spine (T ₁₂) Accel., g	81	62	Thoracic Trauma Index (TTI)	70	83	Pelvis (PEV) Accel., g	110	86	HIC	289	1037
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17. Key Words FMVSS 214D Side Impact Protection Side Impact Dummy (SID)		18. Distribution Statement Copies of this report are available from: National Highway Traffic Safety Adm. Technical Ref. Division, Room 5108 (NAD-52) 400 Seventh Street, S.W. Washington, D.C. 20590																						
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SECTION 1
PURPOSE AND TEST PROCEDURE

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 1995 Ford Taurus 4 door manufactured by Ford Motor Company.

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 Side Impact Testing TP-214D-05, dated August 2, 1999 and the corresponding MGA Research Corporation Test Procedure MGA-NHTSA2. 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 1995 Ford Taurus 4 door 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 53.1 km/h. The specified impact velocity range is from 52.1 to 53.8 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 1716.8 kg and the test weight of the MDB was 1362.0 kg. The test was conducted at MGA Research Corporation in Burlington, Wisconsin, on May 1, 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 377 mm at level 2, 900 mm rearward of the left vertical impact point. The driver and passenger SID's, Serial Nos. 048 and 049 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	70	83
Peak Pelvic G's (PEV)	G's	110	86
Head Injury Criteria (HIC)	none	289	1037

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 left rear 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

Test vehicle attitude measurements were taken from the bottom of the wheel well to the ground.

SECTION 3

SIDE IMPACT DUMMY (SID) AND VEHICLE TEST DATA

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 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	$=(t_f - 32)/1.8$
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: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 2001

TEST VEHICLE INFORMATION

Make	Ford
Model	Taurus
Body Style	4 door
NHTSA No.	PS0201
VIN	1FALP5345SA274981
Color	Blue
Delivery Date	4/5/01
Odometer Reading (mile)	118,254
Dealer	Roger's Auto Sales
Transmission	automatic
Final Drive	front
Number of Cylinders	6
Engine Displacement (L)	3.8
Engine Placement	transverse

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	no
Anti-lock Brakes	no
AM/FM/Cassette	yes
Anti-theft System	no
Cruise Control	yes

DATA FROM CERTIFICATION LABEL

Manufactured By	Ford Motor Company
Date of Manufacture	3/95

GVWR (kg)	2110
GAWR Front (kg)	1138
GAWR Rear (kg)	985

DATA FROM TIRE PLACARD

Measured Parameter	Front	Rear
Maximum Tire Pressure (kPa)	240	240
Cold Pressure (kPa)	240	240
Recommend Tire Size	P205/65R15	P205/65R15
Tire Size on Vehicle	P205/65R15	P205/65R15
Tire Manufacturer	Michelin	Michelin

Measured Parameter	Front	Rear	Third	Total
Type of Seats	bench	bench		
Number of Occupants	3	3		6
Capacity Wt. (VCW) (kg)				499.0
Cargo Weight (RCLW) (kg)				90.7

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

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 2001

TEST VEHICLE WEIGHTS

	Units	As Delivered (UVW)			As Tested (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	479.0	264.9		531.6	367.0	
Right	kg	468.6	259.0		478.5	339.7	
Ratio	%	64.4	35.6		58.8	41.1	
Totals	kg	947.6	523.9	1471.5	1010.1	706.7	1716.8

TARGET TEST WEIGHT CALCULATION*

Measured Parameter	Units	Value
Total Delivered Weight (UVW)	kg	1471.5
Weight of 2 P572F Side Impact Dummies	kg	161.5
Rated Cargo/Luggage Weight (RCLW)	kg	90.7
Calculated Vehicle Target Weight (TVTW)	kg	1723.7

*Actual As Tested Weight (ATW) will be TVTW -5/-10 kg

TEST VEHICLE ATTITUDES AND CG

	Units	LF	RF	LR	RR	CG (aft of front axle)
As Delivered	mm	701	698	671	679	959
As Tested	mm	686	692	624	636	1109
Fully Loaded	mm	680	696	620	635	

GENERAL TEST VEHICLE DATA

Measurement Description	Units	Value
Test Vehicle Wheel Base	mm	2693
Total Vehicle Length at Left Side	mm	4189
Total Vehicle Length at Centerline	mm	4860
Total Vehicle Length at Right Side	mm	4189
Weight of Ballast in Cargo Area	kg	42.6

TEST VEHICLE VERTICAL IMPACT LINE DATA

Measurement Description	Units	Value
Test Vehicle Wheel Base	mm	2693
Target Impact Point Aft of Front Axle	mm	407
Actual Impact Point Aft of Front Axle	mm	423

DATA SHEET NO. 1...(continued)

GENERAL TEST AND VEHICLE PARAMETER DATA

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

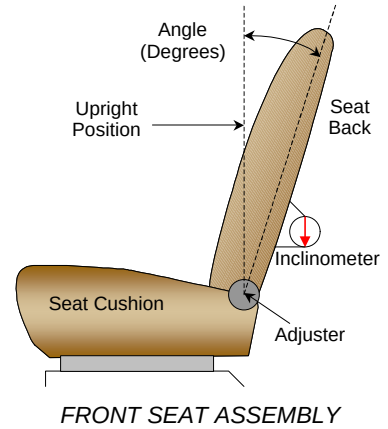
Test Program: FMVSS 214

Test Date: May 1, 2001

NORMAL DESIGN RIDING POSITION

Driver seat back angle: 21 degrees

Left rear passenger seat back angle: non adjustable



SEAT FORE/AFT POSITIONS

Driver seat fore/aft total travel: 230 mm, power seat

Left rear passenger seat fore/aft total travel: non adjustable

Driver seat fore/aft position: 115 mm

Left rear passenger seat fore/aft position: non adjustable

SEAT BELT UPPER ANCHORAGE

The seat belt anchorage was not adjustable.

STEERING COLUMN ADJUSTMENT

The steering column was placed in the middle position (3rd notch of 5 total).

DATA SHEET NO. 2**TEST VEHICLE SUMMARY OF RESULTS**Test Vehicle: 1995/Ford/Taurus/4 doorNHTSA No.: PS0201Test Program: FMVSS 214Test Date: May 1, 2001**TEST VEHICLE WEIGHTS**

	Units	As Delivered (UVW)			As Tested (ATW)		
		Front Axle	Rear Axle	Total	Front Axle	Rear Axle	Total
Left	kg	479.0	264.9		531.6	367.0	
Right	kg	468.6	259.0		478.5	339.7	
Weight Ratio	%	64.4	35.6		58.8	41.1	
Totals	kg	947.6	523.9	1471.5	1010.1	706.7	1716.8

MAXIMUM EXTERIOR STATIC CRUSH

Level	Measured Parameter	Units	Maximum Crush	Above Ground
Level 1	Sill Top Height	mm	122	248
Level 2	Occupant H-Point	mm	377	475
Level 3	Mid Door	mm	366	570
Level 4	Window Sill	mm	265	866
Level 5	Window Top	mm	18	1298
N/A	Maximum Penetration	mm	377	475

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: 1995/Ford/Taurus/4 doorNHTSA No.: PS0201Test Program: FMVSS 214Test Date: May 1, 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	52.1 to 53.8	53.1
Trap No. 2 Velocity (Redundant)	km/h	52.1 to 53.8	52.9
MDB CL to Target Vehicle CL	degrees	88.5 to 53.8	90.3

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	102
B	Top of Bumper	533	800	Left	52
C	Mid Level	686	800	Left	95
D	Top of Stack	813	800	Left	115

MDB INSTRUMENTATION AND CAMERAS

Accelerometers	5
Contact Switches	2
High Speed Cameras	2

DATA SHEET NO. 4**POST TEST OBSERVATIONS**Test Vehicle: 1995/Ford/Taurus/4 doorNHTSA No.: PS0201Test Program: FMVSS 214Test Date: May 1, 2001**TEST DUMMY INFORMATION AND CONTACT POINTS**

Description	Front Seat SID	Rear Seat SID
Dummy Type / Serial No.	SID/048	SID/049
Head Contact	no contact	C pillar, roof
Upper Torso Contact	door trim panel	door trim panel
Lower Torso Contact	door trim panel	door trim panel
Left Knee Contact	door trim panel	door trim panel
Right Knee Contact	left knee	door trim panel

POST TEST DOOR OPENING AND SEAT TRACK INFORMATION

Description	Front	Rear
Left Side Door Opening	remained closed	remained closed
Right Side Door Opening	remained closed	remained closed
Seat Movement	none	none
Seat Back Failure	none	none

POST TEST STRUCTURAL OBSERVATIONS

Critical Areas of Performance	Observations and Conclusions
Pillar Performance	no failures
Sill Separation	no separation
Windshield Damage	cracked
Window Damage	both left side windows broke
Other Notable Effects	left front upper door hinge sheared

AIRBAG DEPLOYMENT

	Driver	Front Passenger	Rear Passenger
Front	no	no	
Side			

MDB LEFT EDGE IMPACT POINT DATA

Measured Parameter	Units	Requirement	Value
Horizontal Offset	mm	+/- 50	16 rear
Vertical Offset	mm	+/-20	2 up

SECTION 4
OCCUPANT AND VEHICLE INFORMATION

DATA SHEET NO. 5

SID INJURY CRITERIA AND SENSOR DATA

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 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	53.3	36	26.4	76	88.9	42	4.8	121
Upper Rib (LUR)	Y	G's	52.8	36	25.5	76	92.8	42	4.8	120
Lower Rib (LLR)	Y	G's	59.0	36	15.5	96	104.4	41	31.1	74
Lower Rib (LLR)	Y	G's	58.6	37	15.5	95	107.6	41	30.5	74
Lower Spine (T ₁₂)	Y	G's	81.3	38	21.0	70	61.8	41	56.4	68
Lower Spine (T ₁₂)	Y	G's	82.4	38	20.7	96	60.8	41	55.7	68
Pelvis (PEV)	Y	G's	109.6	32	15.4	87	86.0	31	16.9	76
Pelvis (PEV) (R)	Y	G's	109.7	32	15.5	87	86.9	31	16.4	76

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

Location	Driver				Passenger			
	LLR	T ₁₂	TTI(g)	PEV(g)	LLR	T ₁₂	TTI(g)	PEV(g)
Rib, Spine, and Pelvis	59.0	81.3	70	109.6	104.4	61.8	83	86.0
Rib, Spine, and Pelvis (R)	58.6	82.4	71	109.7	107.6	60.8	84	86.9

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	6.9	195	24.9	79	7.6	47	19.1	60
Head CG	Y	G's	38.7	51	9.1	39	143.4	59	13.0	45
Head CG	Z	G's	55.5	65	17.6	49	17.1	58	60.3	63
Head CG		G's	56.0	65			144.5	59		

HEAD INJURY CRITERIA (SAE CLASS 1000 Filtered)

Location	Driver				Passenger			
	HIC	T ¹	T ²	Avg G's	HIC	T ¹	T ²	Avg
Head CG	289	47.2	83.2	36.5	1037	56.6	64.1	113.8

Positive Acceleration Polarities:
(Conforms to SAE J211)

Longitudinal (X) = Forward
Lateral (Y) = Right
Vertical (Z) = Down

DATA SHEET NO. 6

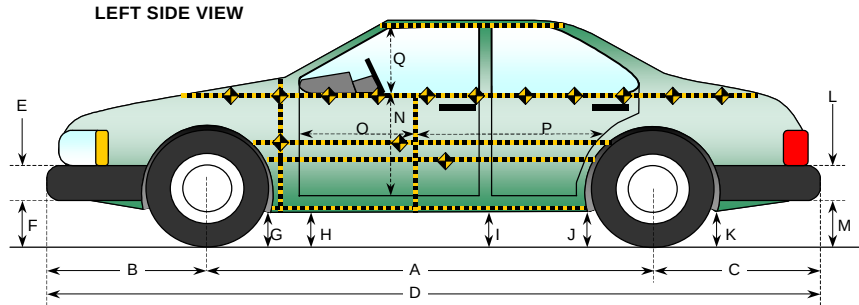
VEHICLE PRE-TEST AND POST-TEST MEASUREMENTS

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 2001



All Measurements in mm

Code	Measurement Description	Pre-Test	Post-Test	Difference
A	Wheelbase	2693	2660	-33
B	Front Axle to FSOV	1015	1018	3
C	Rear Axle to RSOV	1152	1154	2
D	Total Length at Centerline	4860	4832	-28
E	Front Bumper Thickness	145	145	0
F	Front Bumper Bottom to Ground	382	393	11
G	Sill Height at Front Wheel Well	197	165	-32
H	Sill Height at Front Door Leading Edge	176	197	21
I	Sill Height at "B" Pillar	171	127	-44
J1	Sill Height at Rear Wheel Well	152	132	-20
J2	Pinch Weld Height at Rear Wheel Well	149	123	-26
K	Sill Height Aft of Rear Wheel Well	236	250	14
L	Rear Bumper Thickness	210	210	0
M	Rear Bumper Bottom to Ground	277	343	66
N	Sill Height to Window Bottom Sill	645	615	-30
O	Front Door Leading Edge to Impact CL	777	748	-29
P	Rear Door Trailing Edge to Impact CL	1166	1027	-139
Q	Front Window Opening	445	452	7
R	Right Side Length	4189	4198	9
S	Left Side Length	4189	4130	-59
T	Vehicle Width at "B" Post	1820	1555	-265

DATA SHEET NO. 7

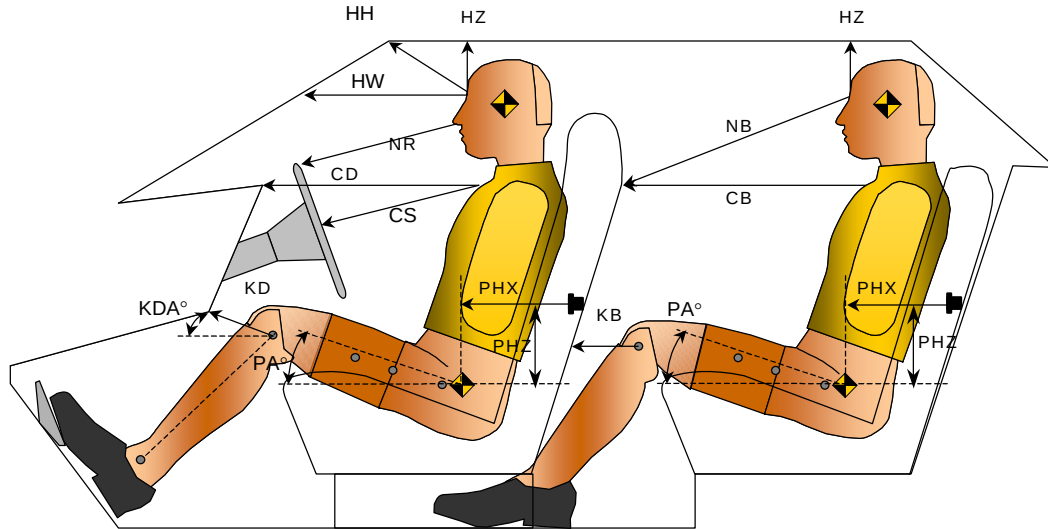
SID LONGITUDINAL CLEARANCE DIMENSIONS

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 2001



Driver Code	Pass. Code	Measurement Description	Driver 048		Passenger 049	
			Length(mm)	Angle(°)	Length(mm)	Angle(°)
HH		Head to Header	373			
HW		Head to Windshield	606			
HZ	HZ	Head to Roof	183		174	
NR	NB	Nose to Rim/Nose to Seatback	427		590	
CD	CB	Chest to Dash or Seatback	533		503	
CS		Chest to Steering Wheel	319			
KDL	KBL	Left Knee to Dash or Seatback	229	0.0	218	0.0
KDR	KBR	Right Knee to Dash or Seatback	241	0.0	222	0.0
PA	PA	Pelvic Angle		23.4		24.1
PHX	PHX	H-Point to Striker (X-Axis)	182		238	
PHZ	PHZ	H-Point to Striker (Z-Axis)	158		326	

DATA SHEET NO. 8

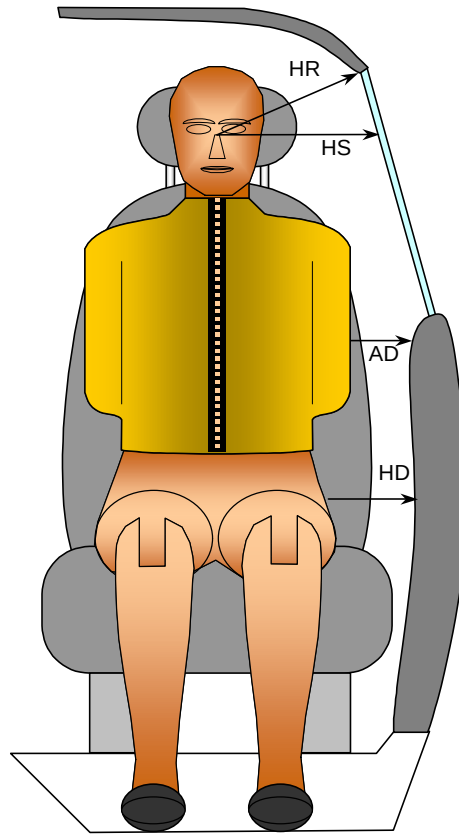
SID LATERAL CLEARANCE DIMENSIONS

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 2001



FRONT VIEW OF DUMMY

Code	Measurement Description	Units	Driver 048	Passenger 049
HR	Head to Side Header	mm	200	156
HS	Head to Side Window	mm	314	288
AD	Arm to Door	mm	110	81
HD	H-Point to Door	mm	171	144

DATA SHEET NO. 9

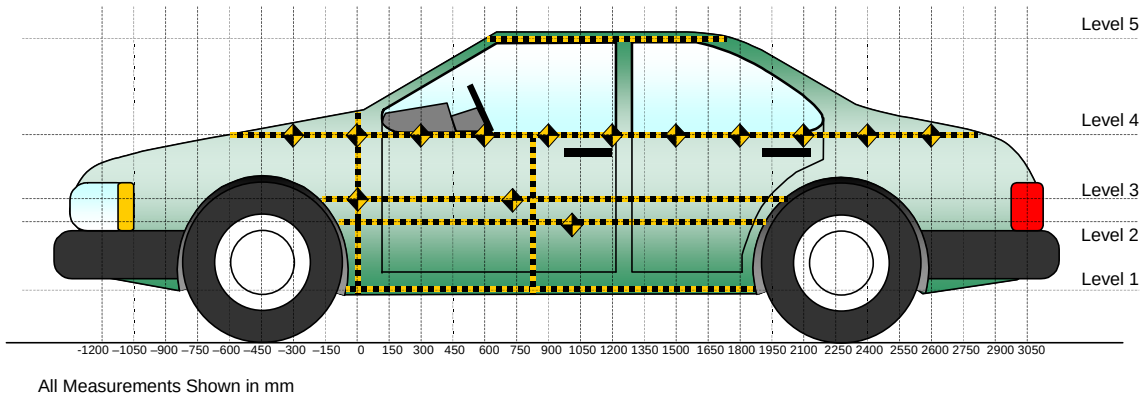
VEHICLE SIDE MEASUREMENTS

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 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	1298
4	Window Sill	866
3	Mid Door	570
2	Occupant H-Point	475
1	Sill Top	248

DATA SHEET NO. 10

VEHICLE EXTERIOR CRUSH PROFILES

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 2001

	Pre-Test					Post-Test					Difference				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
-900				502					510					8	
-750				486					493					7	
-600				472					485					13	
-450				459					477					18	
-300				450					470					20	
-150				439					464					25	
0	414	348	362	433		464	476	435	463		50	128	73	30	
150	408	348	360	426		472	640	587	514		64	292	227	88	
300	407	346	357	425		481	692	609	526		74	346	252	101	
450	407	344	354	422		510	712	627	550		103	368	273	128	
600	406	341	352	422		516	712	625	556		110	371	273	134	
750	405	340	350	419	683	520	713	634	555	590	115	373	284	136	-93
900	405	338	349	417	684	525	715	630	556	580	120	377	281	139	-104
1050	404	337	346	415	686	526	704	615	560	570	122	367	269	145	-116
1200	404	342	350	419	682	525	705	710	675	570	121	363	360	256	-112
1350	405	340	350	419	682	513	680	714	670	695	108	340	364	251	13
1500	409	343	351	422	685	495	650	715	680	660	86	307	364	258	-25
1650	409	343	353	423	695	480	620	719	688	635	71	277	366	265	-60
1800	410	344	355	423	695	451	562	712	634	595	41	218	357	211	-100
1950		348	360	426	702		417	555	530	720		69	195	104	18
2100			355	425				410	452				55	27	
2250				433					465					32	
2400				435					460					25	
2550			370	437				382	456				12	19	
2700			379	443				397	453				18	10	
2850			389	451				402	457				13	6	
3000			401	464				410	462				9	-2	

Reference plane is parallel to test vehicle longitudinal centerline

Given dimensions = Reference plane to car body

DATA SHEET NO. 10...(continued)

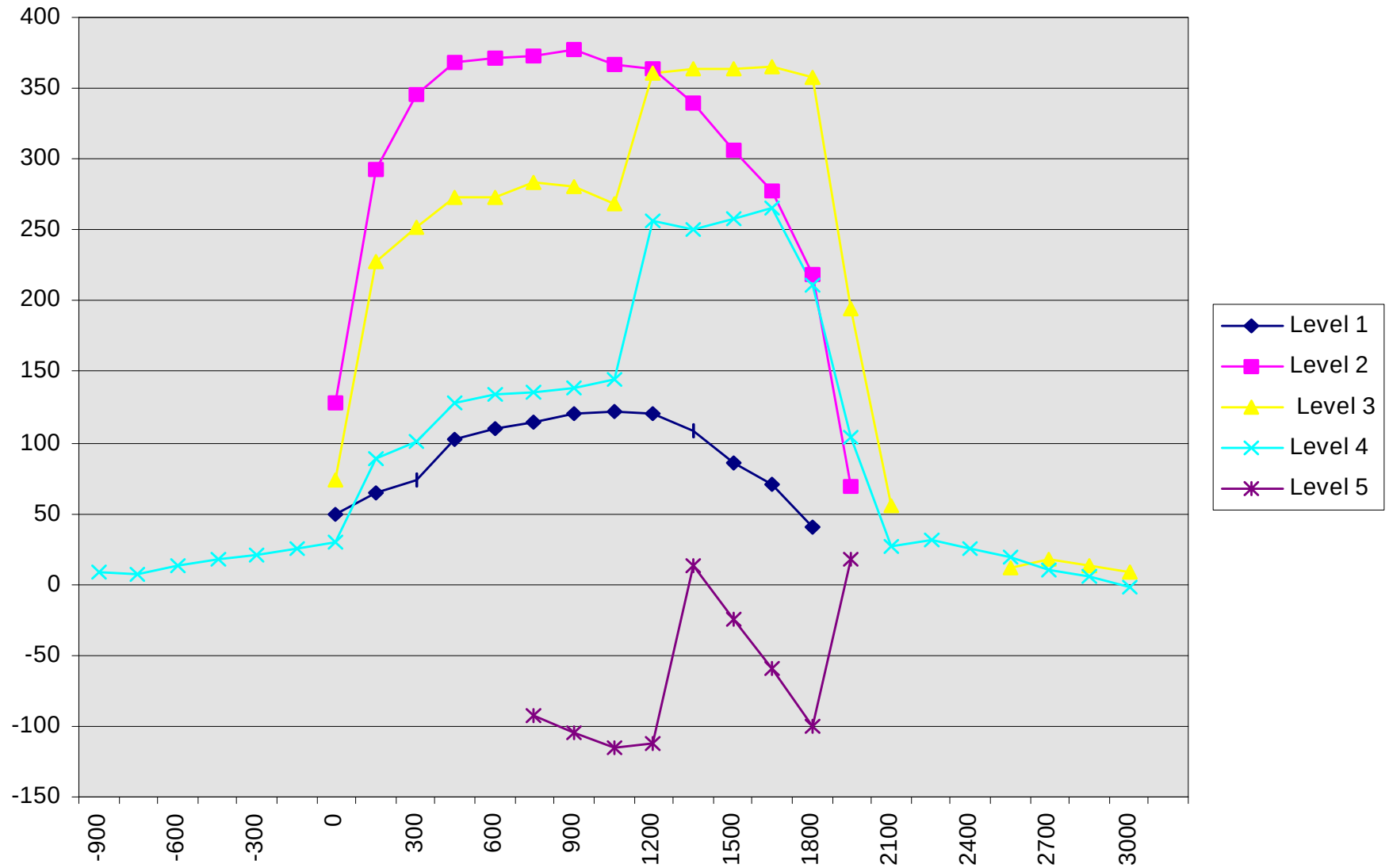
VEHICLE EXTERIOR CRUSH PROFILES

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 2001



DATA SHEET NO. 11

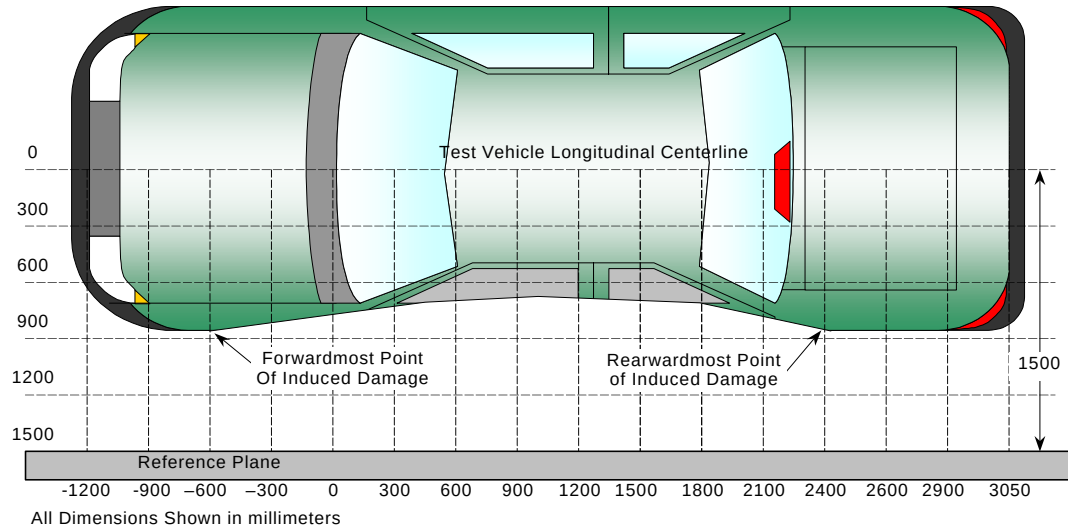
VEHICLE DAMAGE PROFILE DISTANCES

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 2001



Damage Profile Distances

DPD	Distance from Impact Point in mm	Level	Pre-Test (mm)	Post-Test (mm)	Max Static Crush (mm)
1	3000 mm	4	464	462	-2
2	2320 mm	4	435	462	27
3	1382 mm	3	350	700	350
4	529 mm	3	353	622	269
5	-266 mm	4	447	463	16
6	-900 mm	4	502	510	8

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

DATA SHEET NO. 12

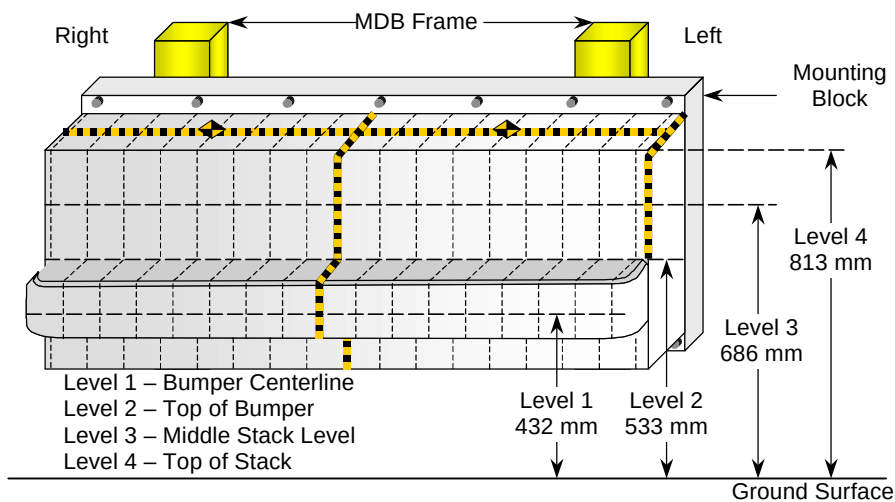
DEFORMABLE BARRIER HONEYCOMB FACE STATIC CRUSH

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 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	52	35	17	12	17	17	17	19	22	23	27	27	31	34	45	66	102
2	22	9	1	2	2	1	2	5	6	6	7	10	14	19	26	37	52
3	0	-5	-5	-4	-4	-4	-2	0	1	-3	-3	-1	0	1	2	14	95
4	25	-3	-7	-6	4	-2	2	1	1	2	3	7	6	35	35	54	115

All Dimensions in mm

DATA SHEET NO. 13

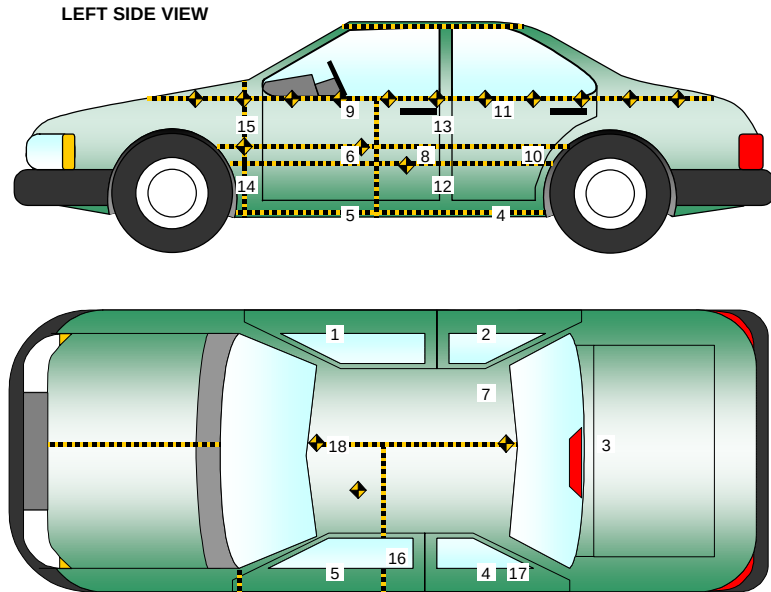
VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 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: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 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	2590	690	192	X	4.2	48	5.6	8
					Y	21.1	8	1.4	97
					Z	3.5	79	5.5	10
					RES	22.0	8		
2	Right Sill at Rear Seat	1563	663	198	X	5.5	49	3.2	22
					Y	16.6	9	2.6	106
					Z	7.0	28	4.2	54
					RES	16.7	9		
3	Rear Floorpan Above Axle	965	0	344	X	3.8	56	8.0	18
					Y	14.8	38	2.3	113
					Z	8.1	26	6.8	16
					RES	15.0	38		
4	Left Sill at Rear Seat*	1618	-663	210	Y	83.9	19	6.0	55
5	Left Sill at Front Seat	2566	-678	188	Y	40.6	6	11.0	11
7	Right Rear Occupant	2007	369	290	Y	16.3	33	2.1	97
12	Left B-Post Lower	2243	-680	398	Y	147.3	6	61.4	18
13	Left B-Post Middle	2245	-675	860	Y	104.5	5	29.2	29
14	Left A-Post Lower	3208	-728	418	Y	56.7	5	75.9	41
15	Left A-Post Middle	3319	-763	929	Y	33.0	5	18.5	28
16	Left Front Seat Track	2398	-525	260	Y	52.9	23	9.6	30
18	Vehicle CG	2686	0	360	X	2.7	7	6.3	13
					Y	20.8	6	1.8	161
					Z	9.1	34	8.1	5
					RES	22.1	6		

Reference Points X - Rear of Vehicle (+ Forward)
 Y - Vehicle Centerline (+ to Right)
 Z - Ground Plane (+ Up)

*No valid data after 60 msec.

DATA SHEET NO. 14

MDB ACCELEROMETER LOCATIONS AND DATA SUMMARY

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

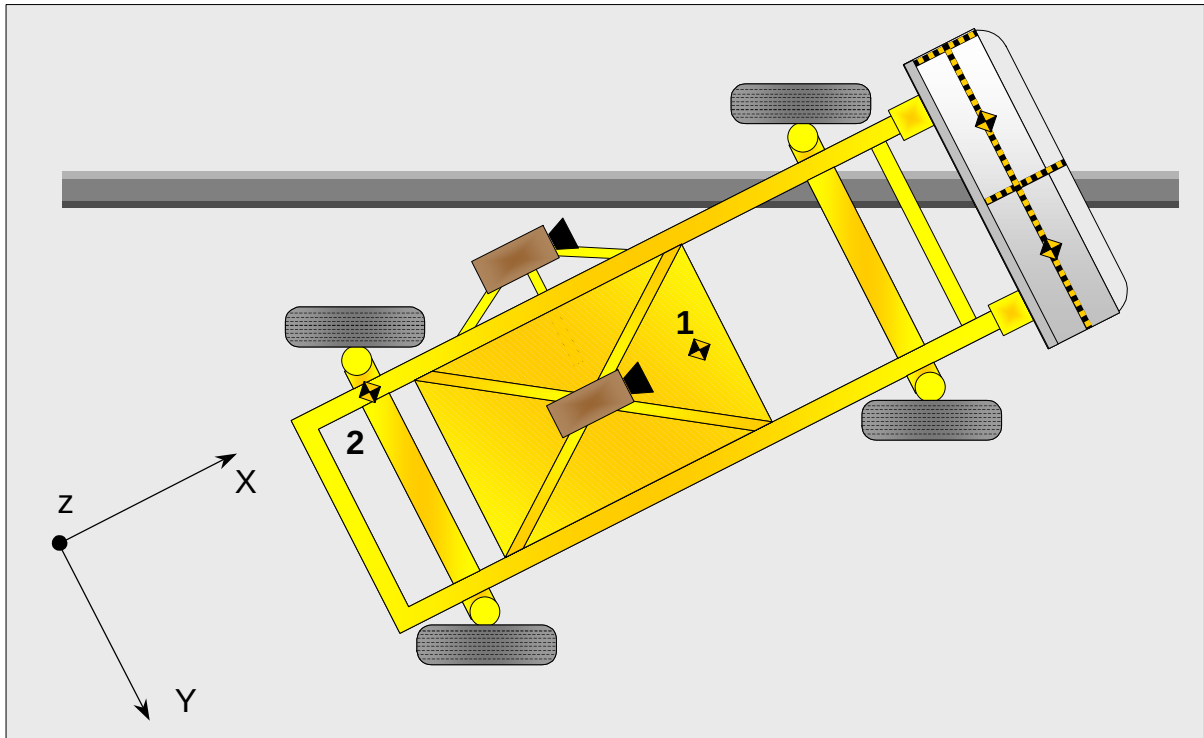
Test Program: FMVSS 214

Test Date: May 1, 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	1.1	139	13.4	35
					Y	1.7	65	7.0	39
					Z	8.2	71	10.0	24
					RES	16.6	39		
2	MDB Rear	-2591	-625	622	X	1.5	152	17.1	33
					Y	5.1	26	1.4	184

Reference Points
 X - MDB Front Axle (+ Forward)
 Y - MDB Centerline (+ to Right)
 Z - Ground Plane (+ Up)



DATA SHEET NO. 15

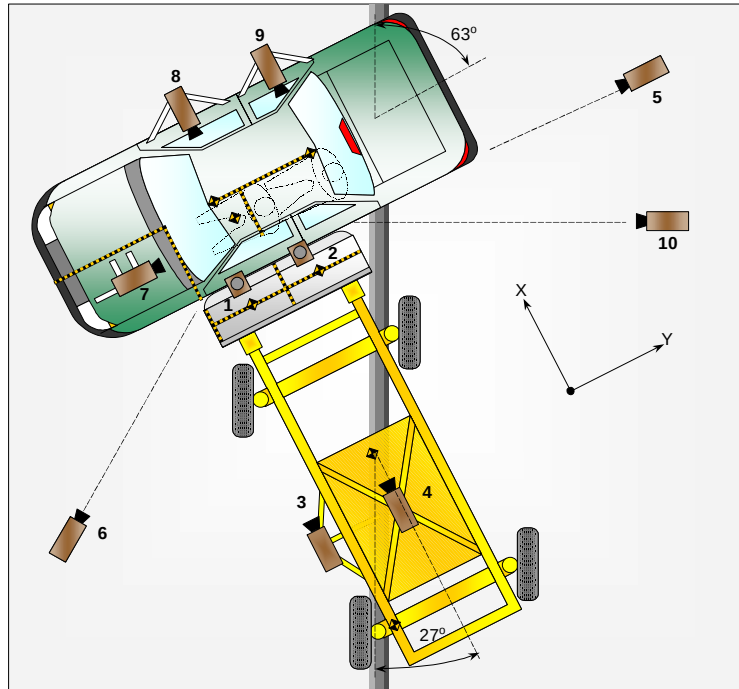
HIGH SPEED CAMERA LOCATIONS AND DATA

Test Vehicle: 1995/Ford/Taurus/4 door

NHTSA No.: PS0201

Test Program: FMVSS 214

Test Date: May 1, 2001



No.	Camera View	Location (mm)			Lens (mm)	Film Speed (fps)
		X	Y	Z		
1	Overhead Overall	1080	-390	5000	13	NT
2	Overhead Close-up	-640	-290	5000	35	901
3	MDB Onboard, Impact Point Close-up				35	840
4	MDB Onboard, Centerline of Impact				13	669
5	Right Side, Ground Level, Overall	-600	10100	1810	13	1000
6	Left Side, Ground Level, Overall	-850	-2210	1780	25	1005
7	Vehicle Onboard Front SID, Front				13	525
8	Vehicle Onboard Front SID, Side				8	526
9	Vehicle Onboard Rear SID, Side				8	504
10	Real Time Coverage				13	32

Reference Points
X - MDB Front Axle
Y - MDB Centerline
Z - MDB Ground Plane

NT = No timing marks

APPENDIX A

PHOTOGRAPHS

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

A-2

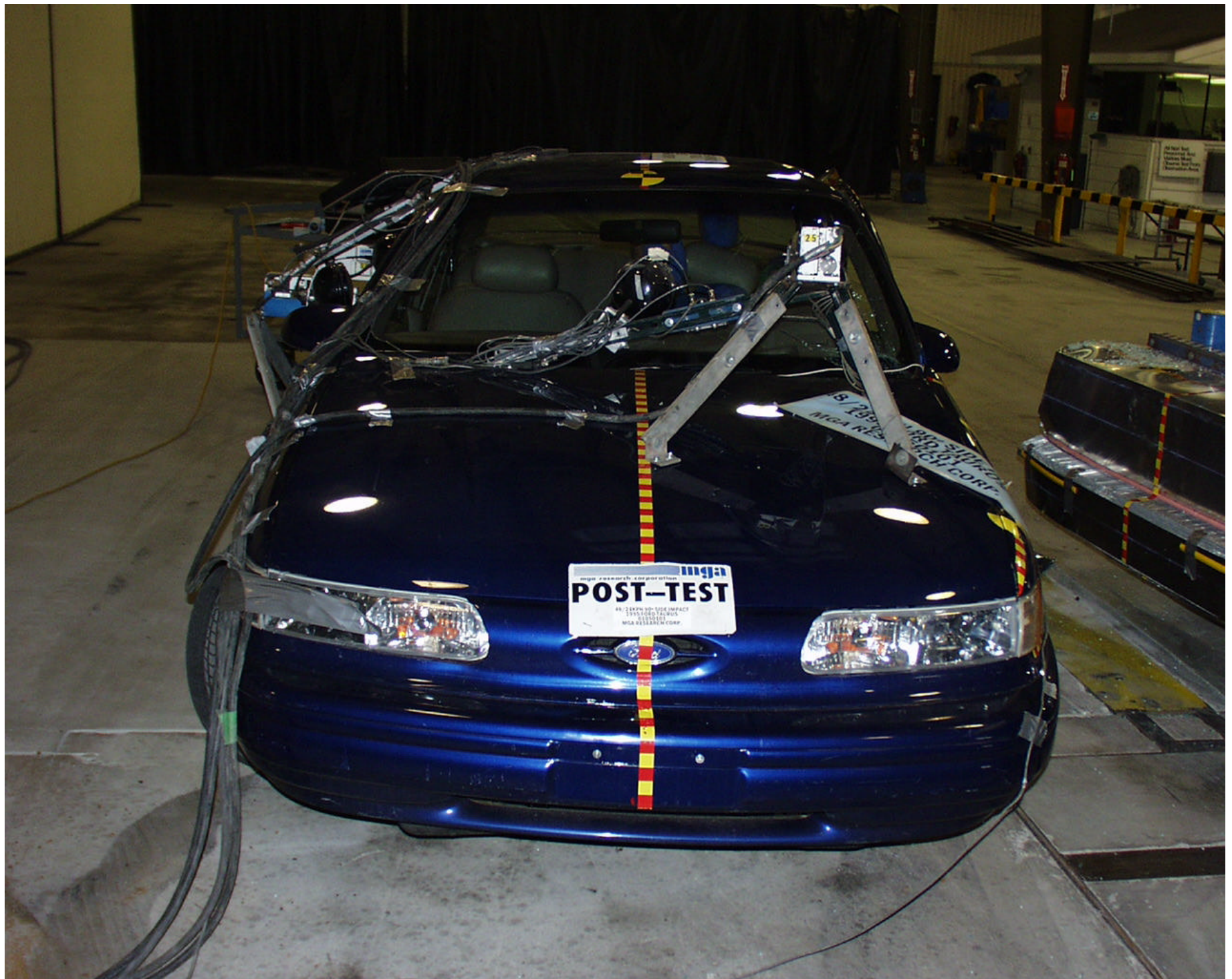


Photo No. A-2 - Post-Test Front View of Test Vehicle



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 MDB Positioned Against Vehicle (left side)



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



Photo No. A-7 - Pre-Test MDB Positioned Against Vehicle (overhead view)



Photo No. A-8 - Post-Test MDB and Vehicle (left side)



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



Photo No. A-10 - Post-Test MDB and Vehicle (overhead view)



Photo No. A-11 - Pre-Test MDB Top View

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Photo No. A-12 - Post-Test MDB Top View

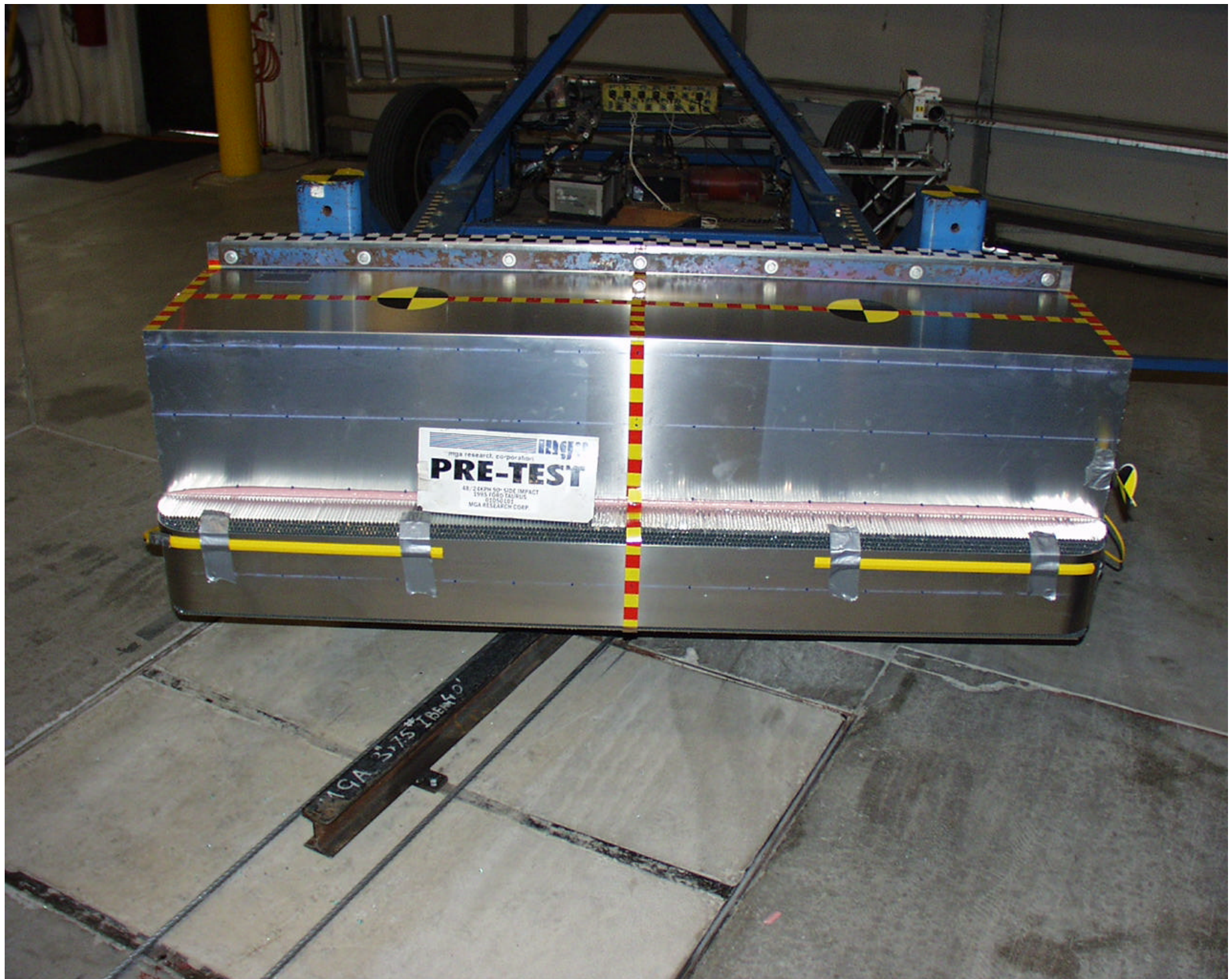


Photo No. A-13 - Pre-Test MDB Front View

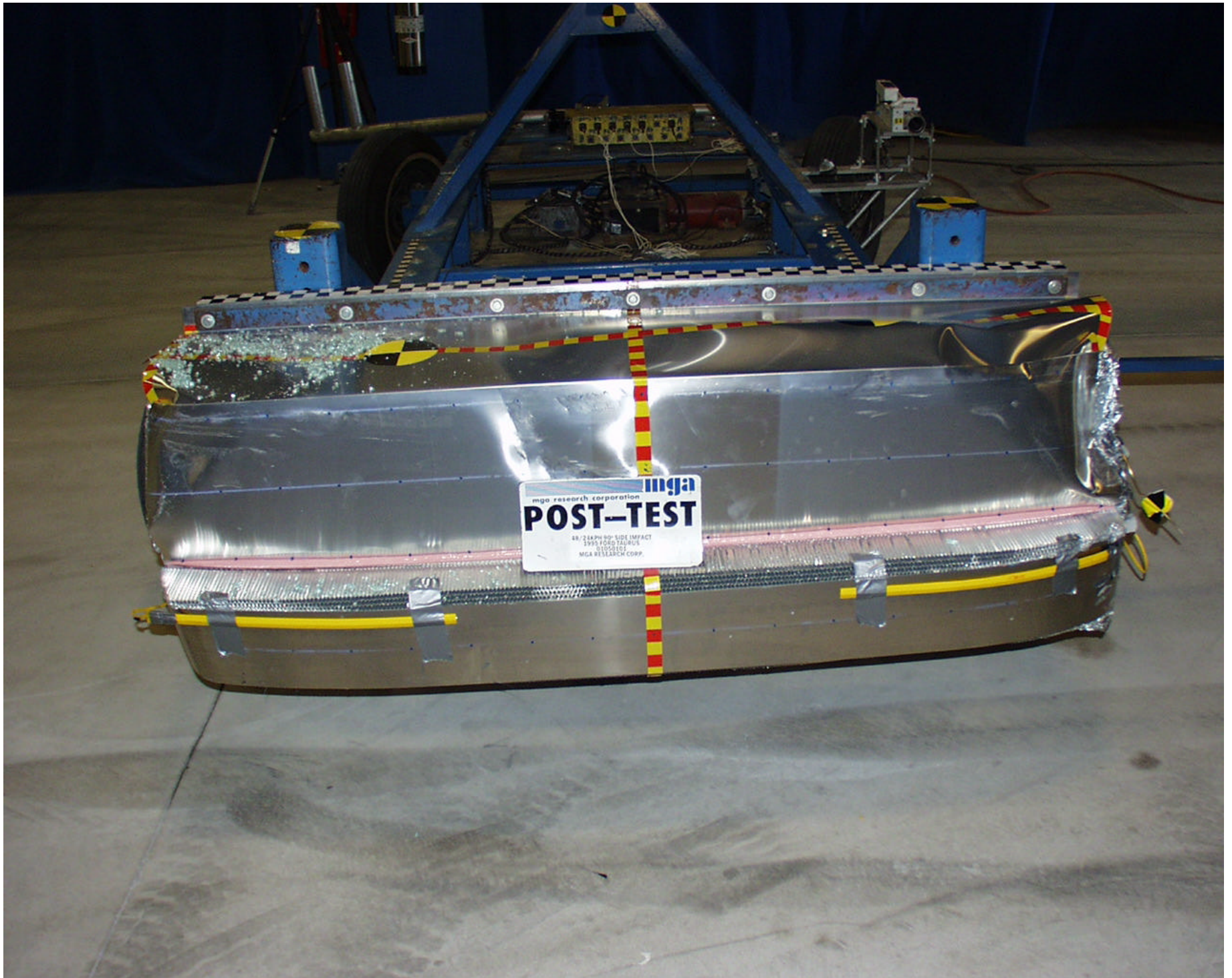


Photo No. A-14 - Post-Test MDB Front View



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



Photo No. A-16 - Post-Test MDB Right Side View



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

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

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

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Photo No. A-20 - Post-Test Driver Dummy Right Side View

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



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

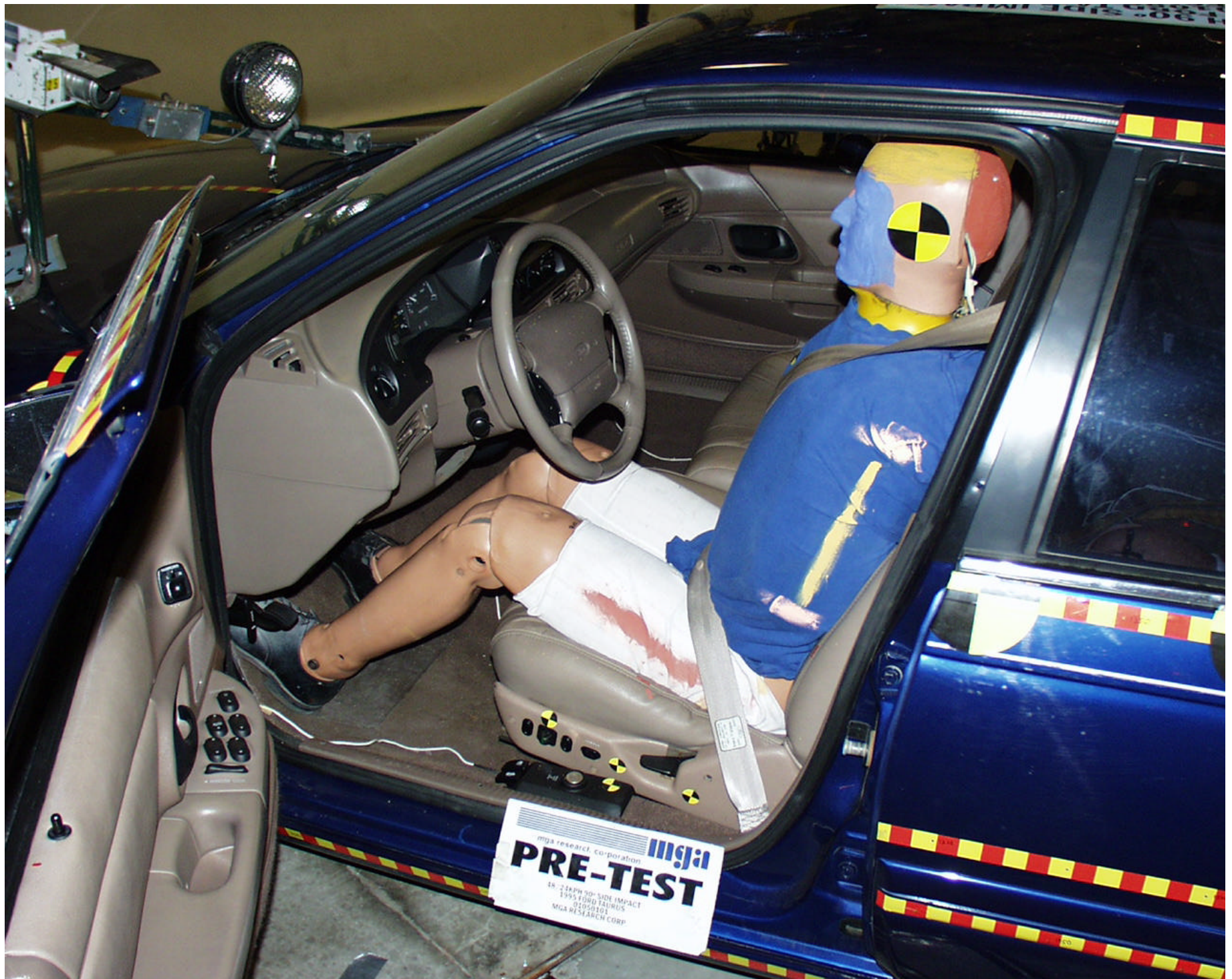


Photo No. A-23 - Pre-Test Driver Dummy Left Side View (Door Open)

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



Photo No. A-25 - Post-Test Driver Dummy Shoulder and Door Top View

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Photo No. A-26 - Post-Test Driver Dummy Contact



Photo No. A-27 - Pre-Test Left Rear Passenger Right Side View



Photo No. A-28 - Post-Test Left Rear Passenger Right Side View

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Photo No. A-29 - Pre-Test Left Rear Passenger Left Side View

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Photo No. A-30 - Post-Test Left Rear Passenger Left Side View

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Photo No. A-31 - Pre-Test Left Rear Passenger Left Side View (Door Open)

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Photo No. A-32 - Pre-Test Left Rear Passenger Shoulder and Door Top View

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Photo No. A-33 - Post-Test Left Rear Passenger Shoulder and Door Top View

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Photo No. A-34 - Post-Test Left Rear Passenger Contact

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Photo No. A-35 - Post-Test Left Rear Passenger Head Contact

A-36



Photo No. A-36 - Vehicle Impact

US / SABLE

RECOMMENDED TIRE SIZE and INFLATION PRESSURE (COLD)
DIMENSIONS DES PNEUS et PRESSIONS DE GONFLAGE RECOMMANDÉES (À FROID)

TIRE SIZE DIMENSIONS DES PNEUS	TIRE PRESSURE		PRESSION DES PNEUS	
	FRONT	AVANT	REAR	ARRIÈRE
P205/65R15 92T* P215/60R16 94V* P215/60ZR16*	35 PSI	35 lb/po ² 240 kPa	35 PSI	35 lb/po ² 240 kPa
TEMPORAL SPARE PNEU DE SECOURS PROVISoire T135/70D15 T135/70R15 T125/90R15	60 PSI	60 lb/po ² 415 kPa	60 PSI	60 lb/po ² 415 kPa
POLICE P205/70R15 95V*	35 PSI	35 lb/po ² 240 kPa	35 PSI	35 lb/po ² 240 kPa

* MUST BE REPLACED WITH AN EQUIVALENT TYPE SPEED RATED TIRE.

* NE REMPLACER QUE PAR UN PNEU DONT L'INDICE DE VITESSE EST LE MÊME.

TOTAL LOAD = OCCUPANTS PLUS LUGGAGE

CHARGE GLOBALE = OCCUPANTS PLUS BAGAGES

MODELS MODÈLS	MAXIMUM LOAD CHARGE MAXIMALE	OCCUPANTS OCCUPANTS	DISTRIBUTION				LUGGAGE BAGAGES
			FRONT	AVANT	REAR	ARRIÈRE	
SEDANS BERLINES	1100 lb/499 kg	5 or 6	2 or 3		3		200 lb/91 kg
STATION WAGONS BREAKS	1200 lb/544 kg	5 or 6	2 or 3		3		300 lb/136 kg
	1200 lb/544 kg	7	2		3	2	150 lb/68 kg
	1200 lb/544 kg	8	3		3	2	NONE AUCUN
POLICE SEDANS BERLINES DE POLICE	1100 lb/499 kg	6	3		3	0	200 lb/91 kg

FOR SUSTAINED HIGH SPEED, TRAILER TOWING, RECREATIONAL ACCESSORIES AND TEMPORAL SPARE USAGE
- SEE OWNERS GUIDE. HAUTES VITESSES SOUTENUES, REMORQUES, ACCESSOIRES DE PLAISANCE ET PNEU DE
SECOURS PROVISoire: CONSULTER LE GUIDE DU PROPRIETAIRE.

▽ F5DC-1532-AA

A-37

Photo No. A-37 - Tire Placard

MFD. BY FORD MOTOR CO. IN U.S.A.

DATE: 03/95 GVWR: 4653LB/2110KG

FRONT GAWR: 2510LB 1138KG

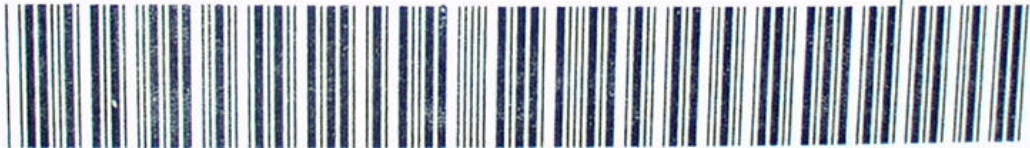
REAR GAWR: 2173LB 985KG

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: 1FALP5345SA274981

TYPE: PASSENGER

F0128
R0153



KM 52 DSO

EXTERIOR PAINT COLORS											
BODY	VR	MLDG.	INT	TRIM	TAPE	R	S	AX	TR		
FC4		J		AH	W	H		Z	LFFYY		

▽ F0EB-58204A10-AB

APPENDIX B

SID, VEHICLE, AND MDB RESPONSE DATA

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*No valid data after 60 msec.

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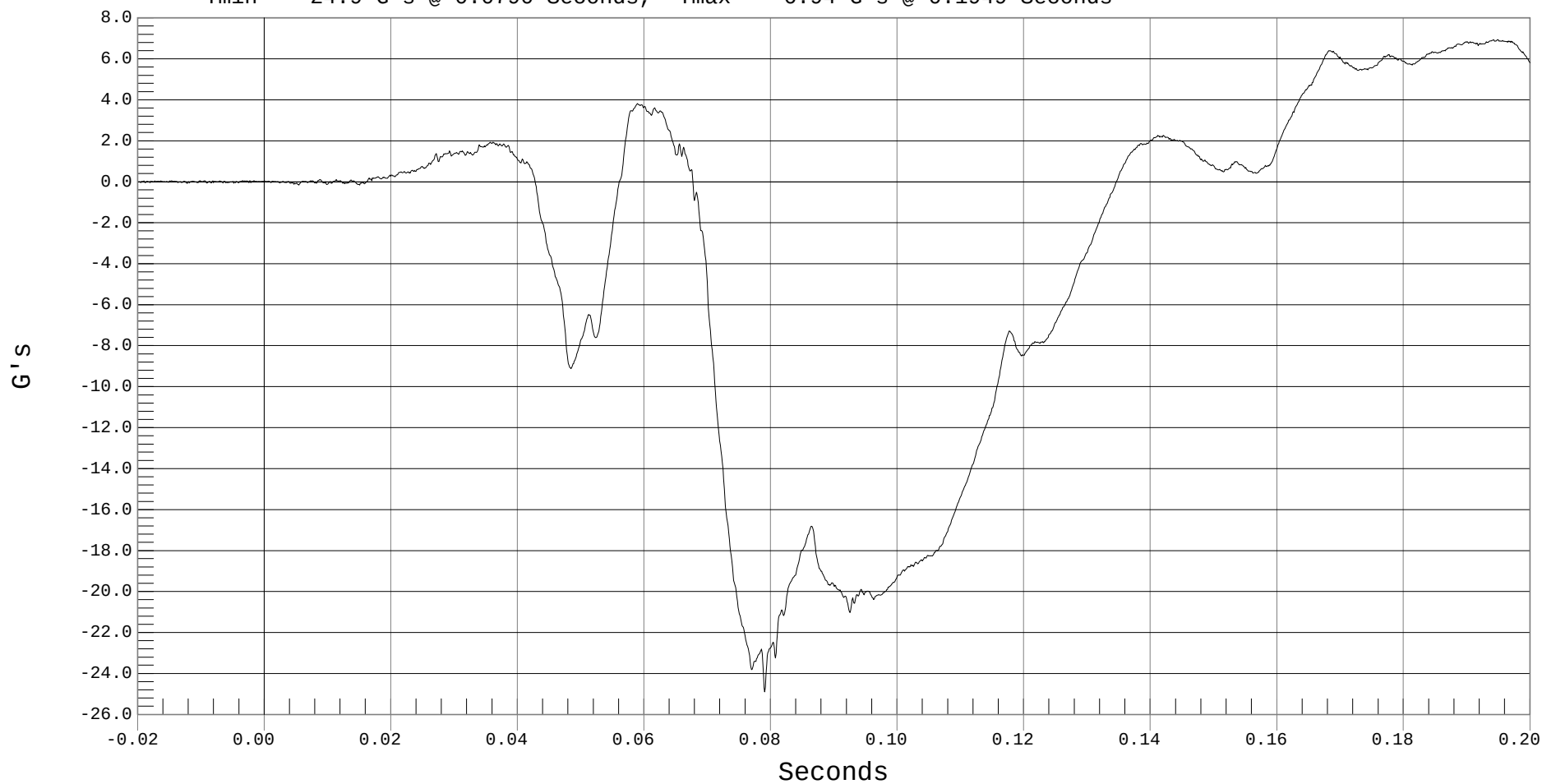
DRIVER HEAD X ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

1 DRIVER HEAD X, B01049AT.A01

Ymin = -24.9 G's @ 0.0790 Seconds, Ymax = 6.94 G's @ 0.1949 Seconds





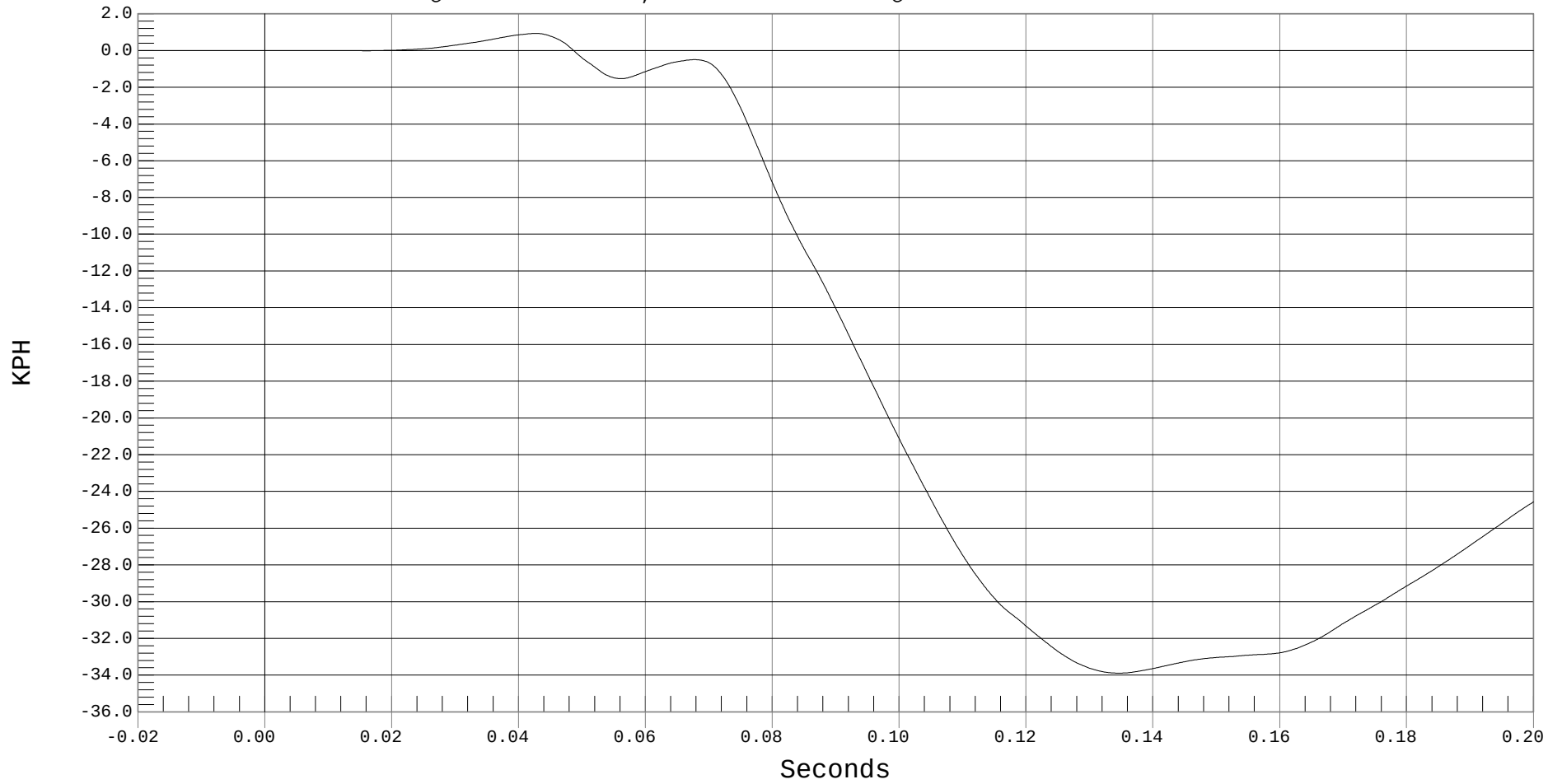
DRIVER HEAD X VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 DRIVER HEAD X VELOCITY, B01049AI.V01

Ymin = -33.9 KPH @ 0.1346 Seconds, Ymax = .93 KPH @ 0.0426 Seconds





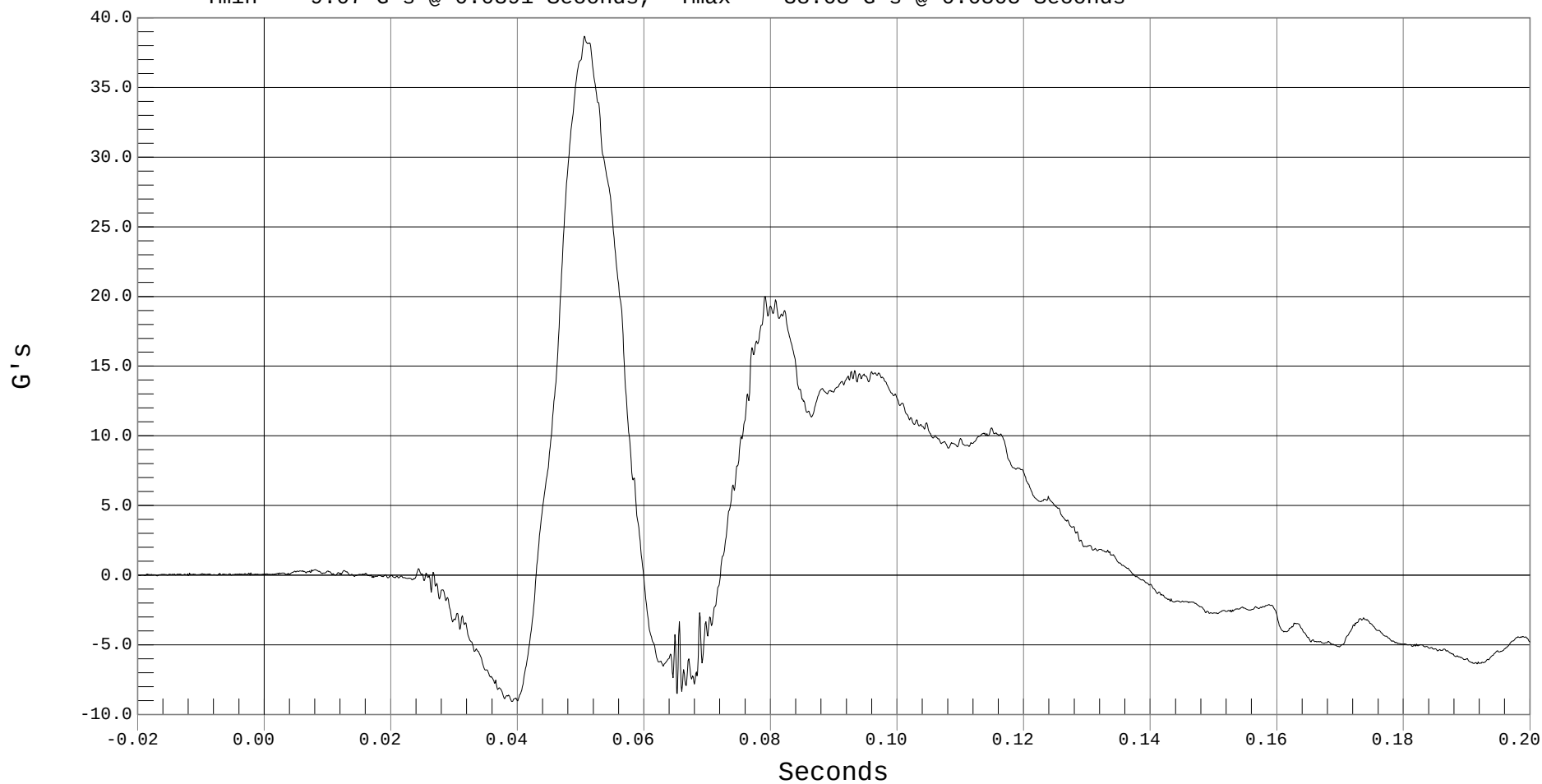
DRIVER HEAD Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 DRIVER HEAD Y, B01049AT.A02

Ymin = -9.07 G's @ 0.0391 Seconds, Ymax = 38.68 G's @ 0.0505 Seconds





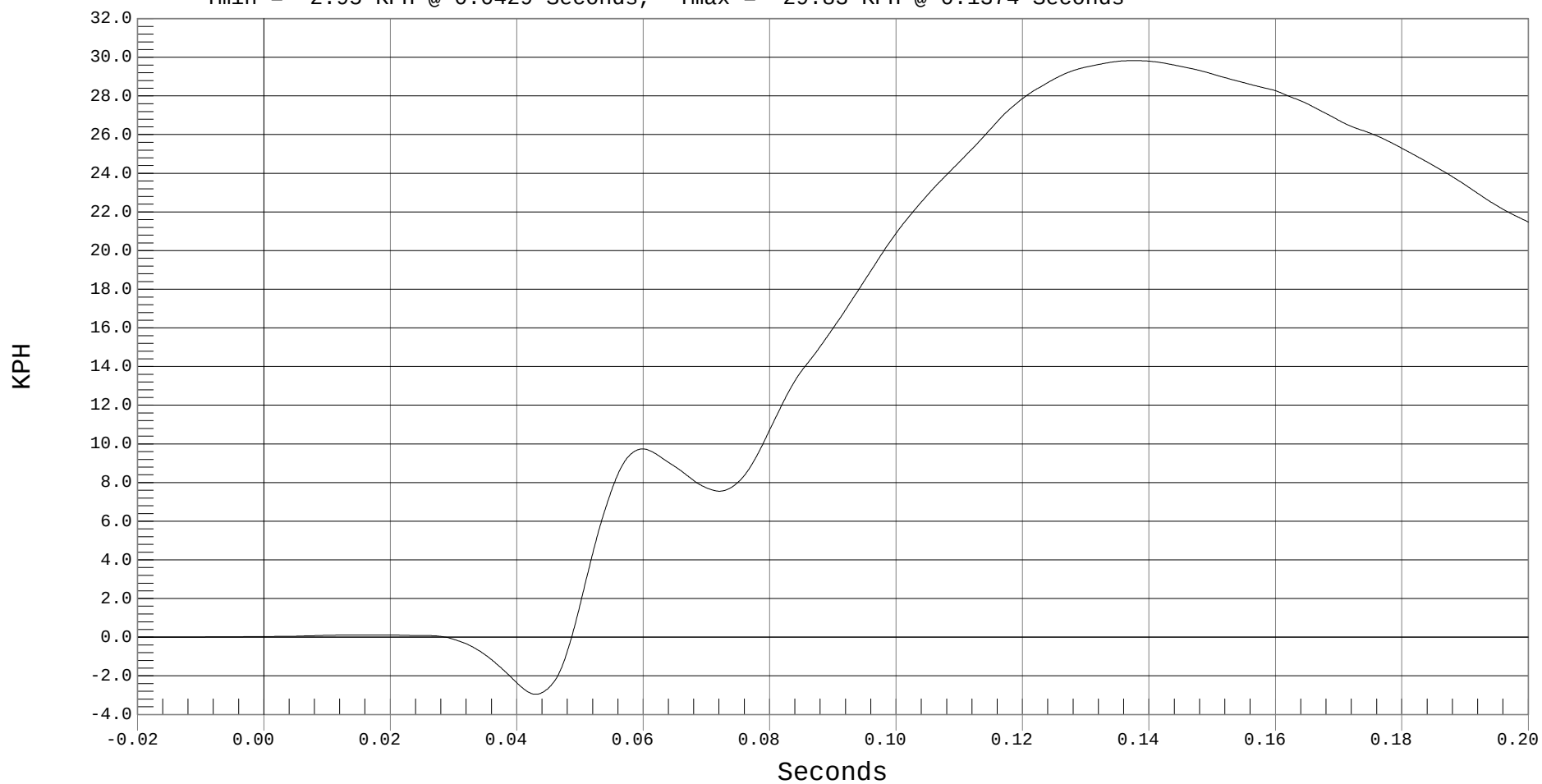
DRIVER HEAD Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 DRIVER HEAD Y VELOCITY, B01049AI.V02

Ymin = -2.95 KPH @ 0.0429 Seconds, Ymax = 29.83 KPH @ 0.1374 Seconds





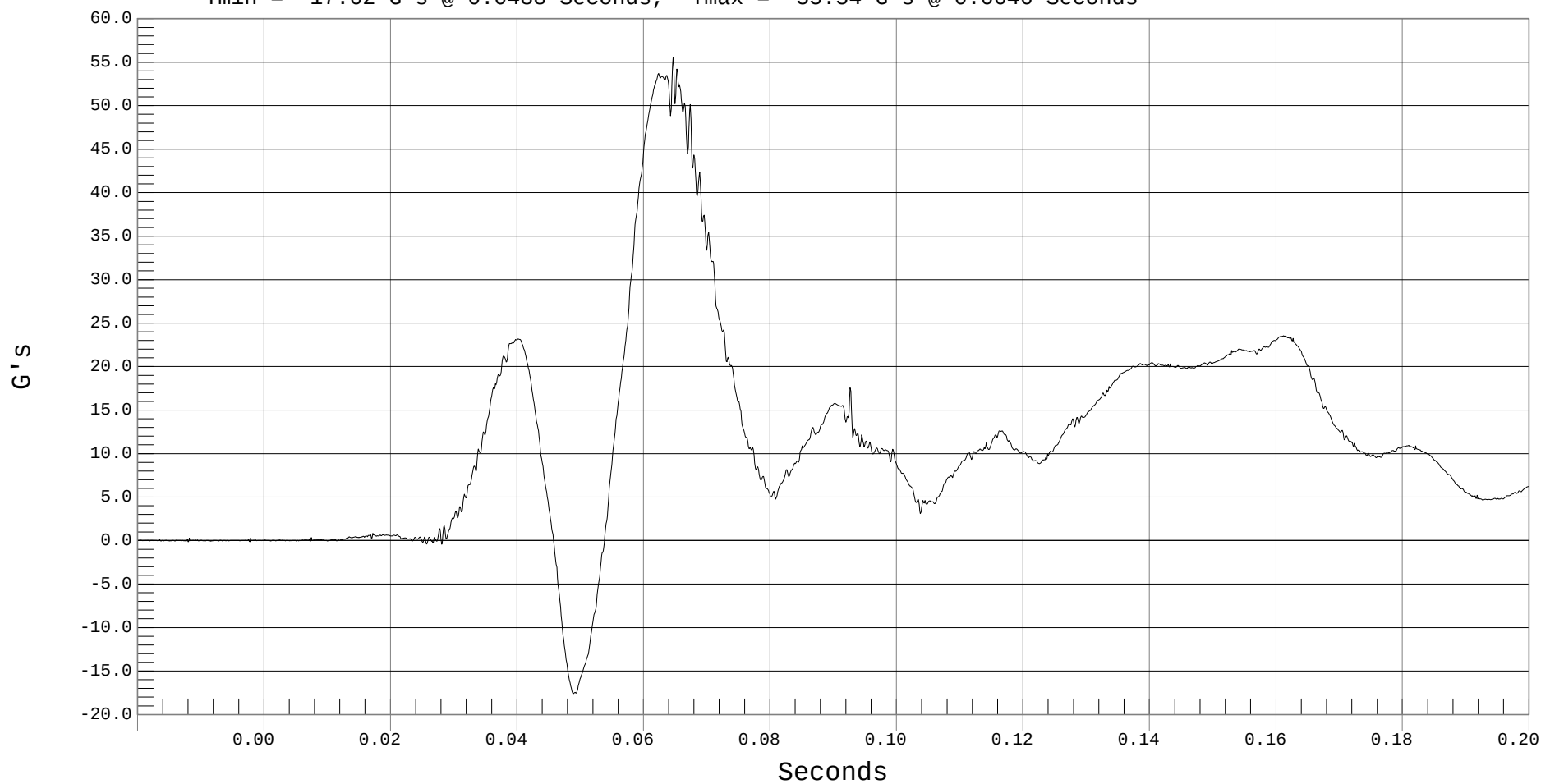
DRIVER HEAD Z ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

1 DRIVER HEAD Z, B01049AT.A03

Ymin = -17.62 G's @ 0.0488 Seconds, Ymax = 55.54 G's @ 0.0646 Seconds





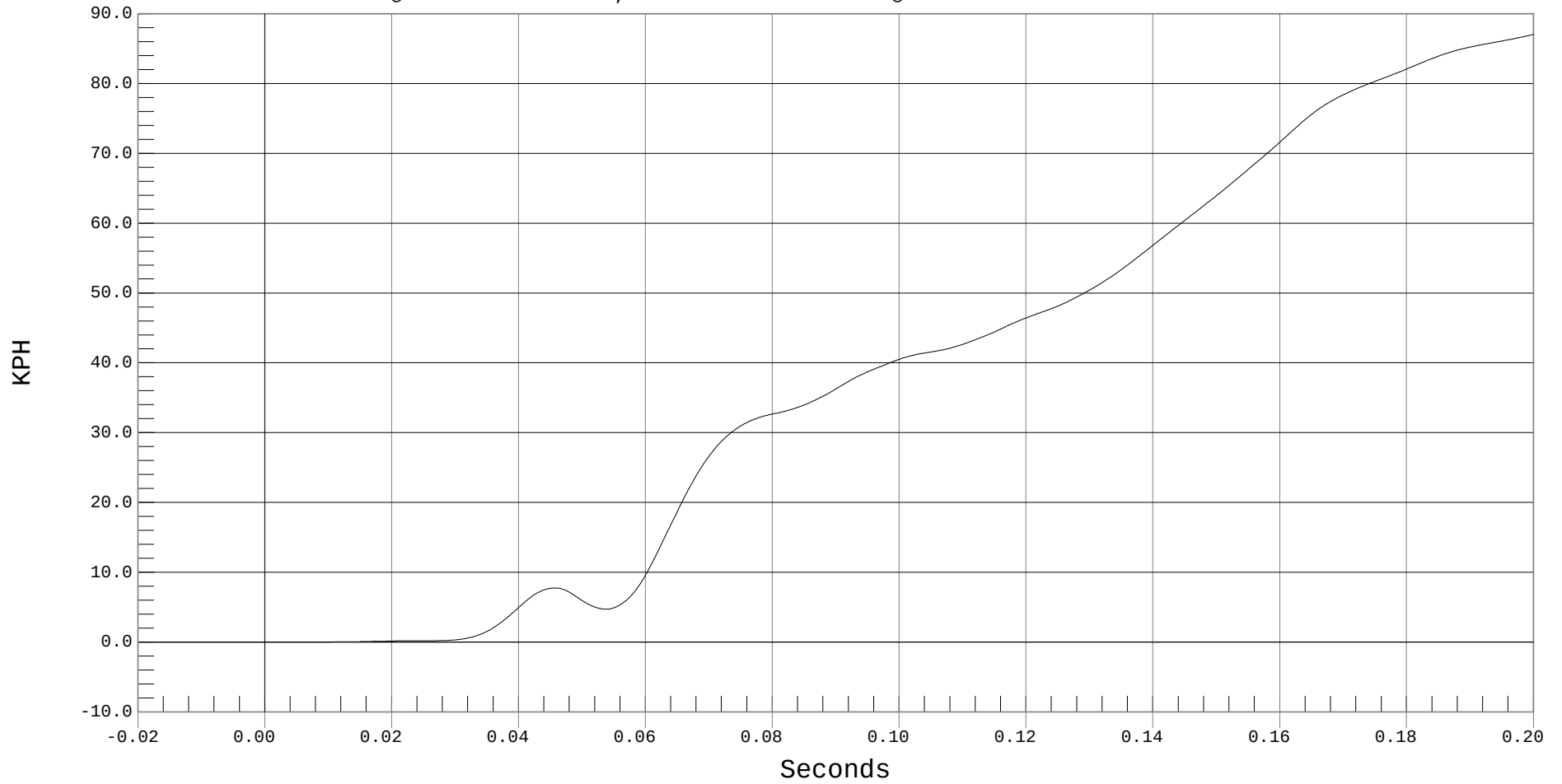
DRIVER HEAD Z VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 DRIVER HEAD Z VELOCITY, B01049AI.V03

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 87.06 KPH @ 0.2000 Seconds





DRIVER HEAD RESULTANT ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

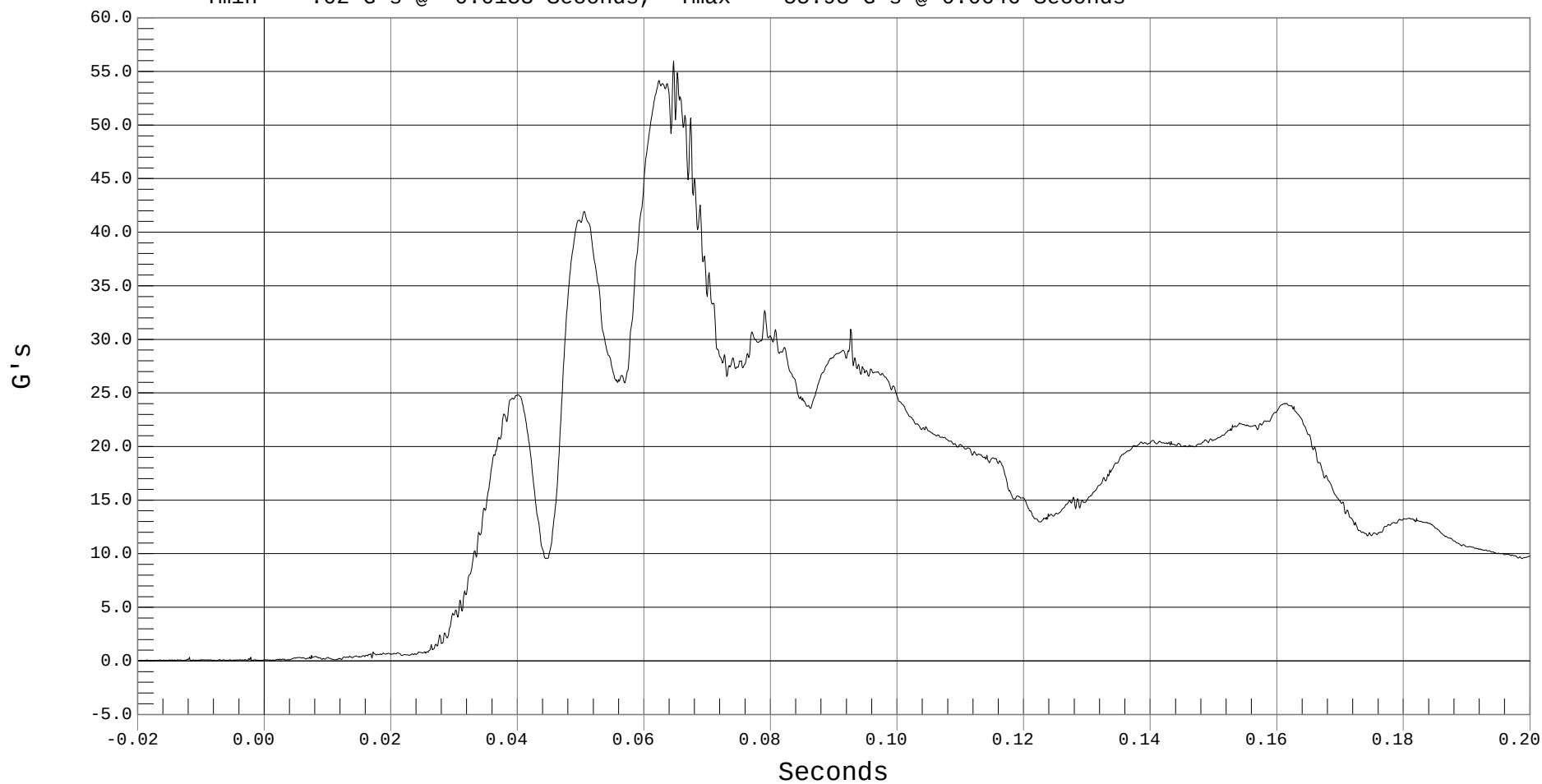
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 DRIVER HEAD RESULTANT, B01049AV.A01

Ymin = .02 G's @ -0.0153 Seconds, Ymax = 55.98 G's @ 0.0646 Seconds





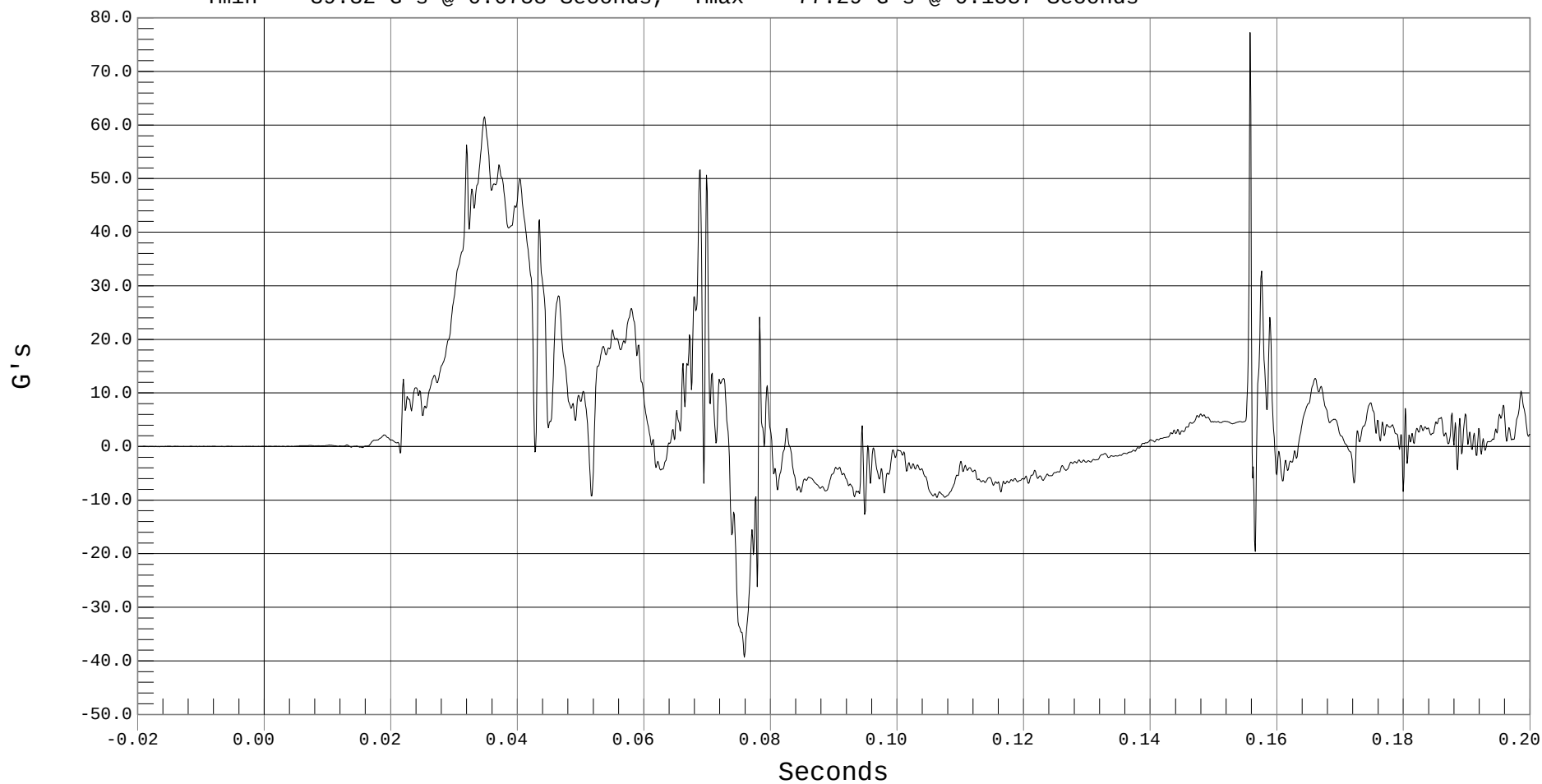
DRIVER UPPER RIB Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 DRIVER UPPER RIB Y, B01049AT.A04

Ymin = -39.32 G's @ 0.0758 Seconds, Ymax = 77.29 G's @ 0.1557 Seconds





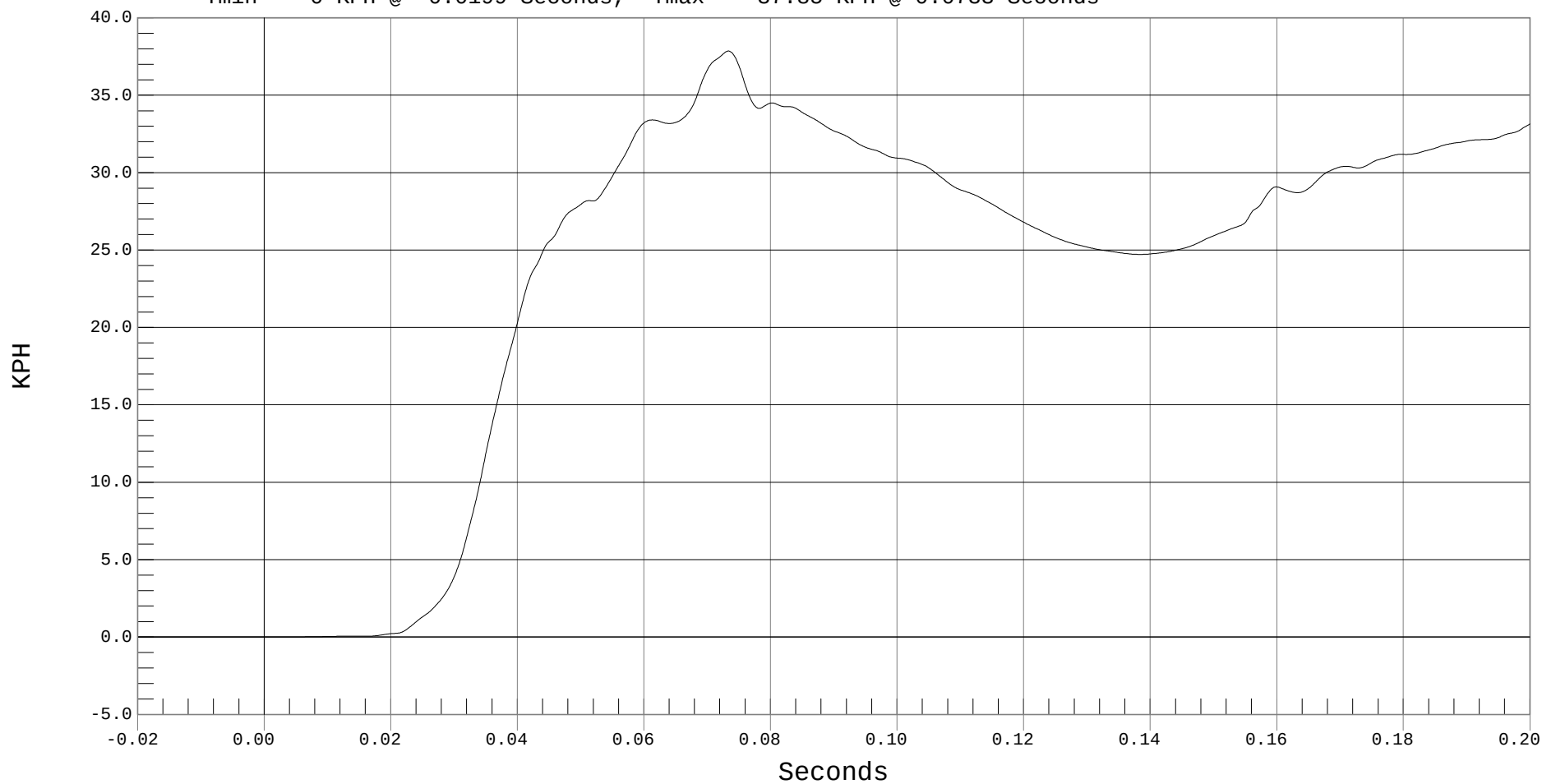
DRIVER UPPER RIB Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 DRIVER UPPER RIB Y VELOCITY, B01049AI.V04

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 37.85 KPH @ 0.0733 Seconds





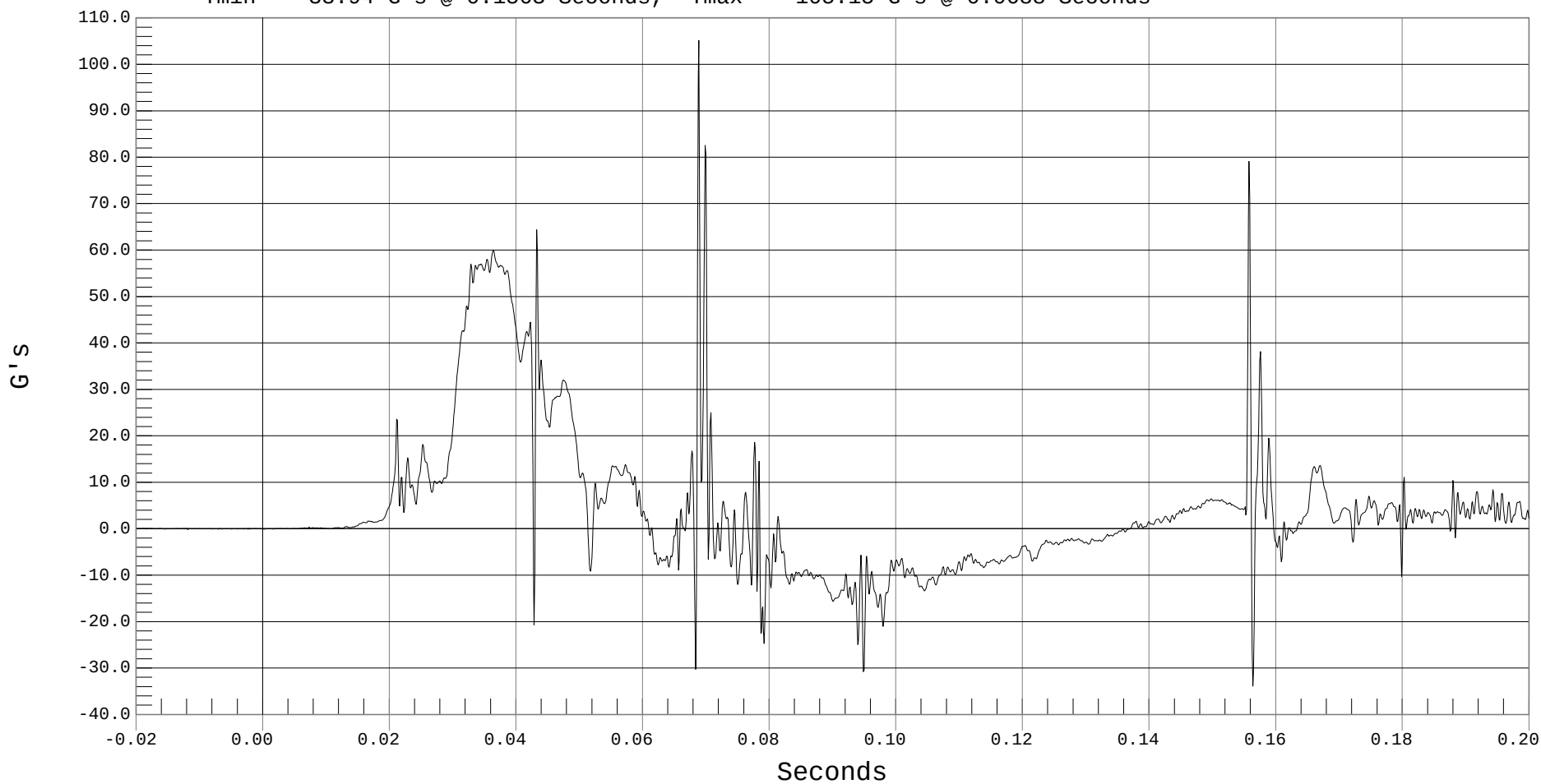
DRIVER LOWER RIB Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 DRIVER LOWER RIB Y, B01049AT.A05

Ymin = -33.94 G's @ 0.1563 Seconds, Ymax = 105.15 G's @ 0.0688 Seconds





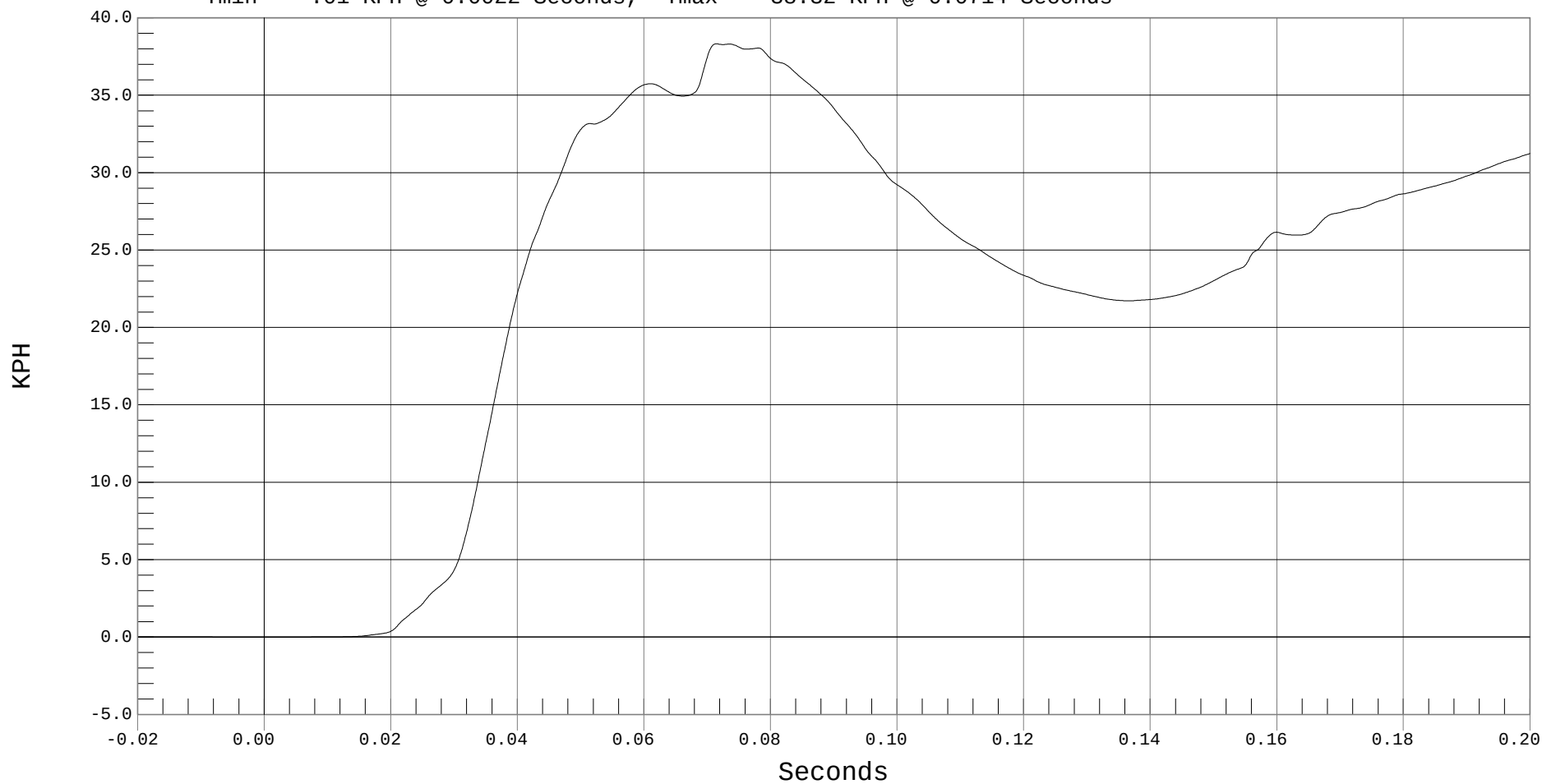
DRIVER LOWER RIB Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

1 DRIVER LOWER RIB Y VELOCITY, B01049AI.V05

Ymin = -.01 KPH @ 0.0022 Seconds, Ymax = 38.32 KPH @ 0.0714 Seconds





DRIVER LOWER SPINE Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

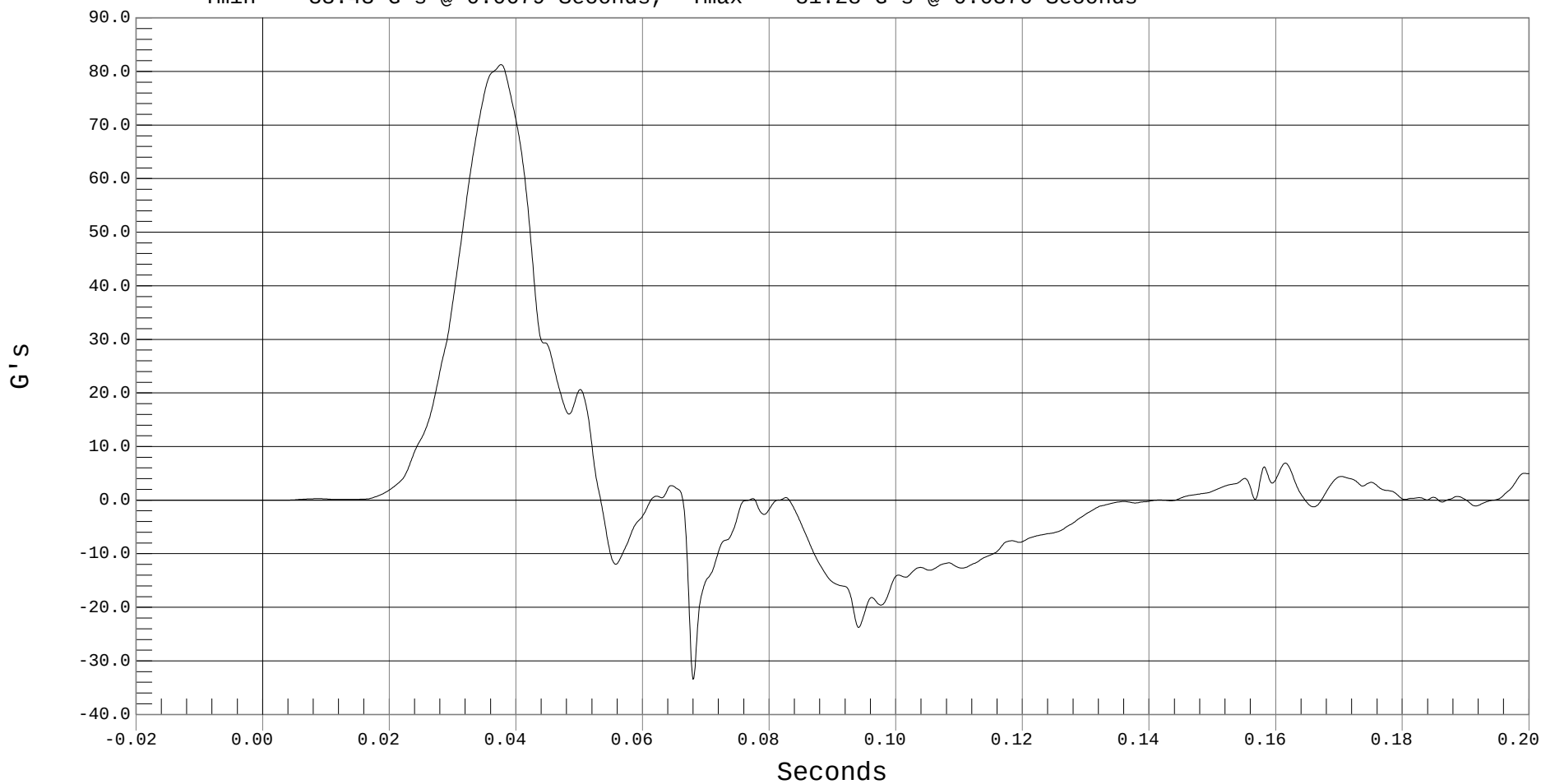
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 DRIVER LOWER SPINE Y, B01049AF.A06

Ymin = -33.43 G's @ 0.0679 Seconds, Ymax = 81.28 G's @ 0.0376 Seconds





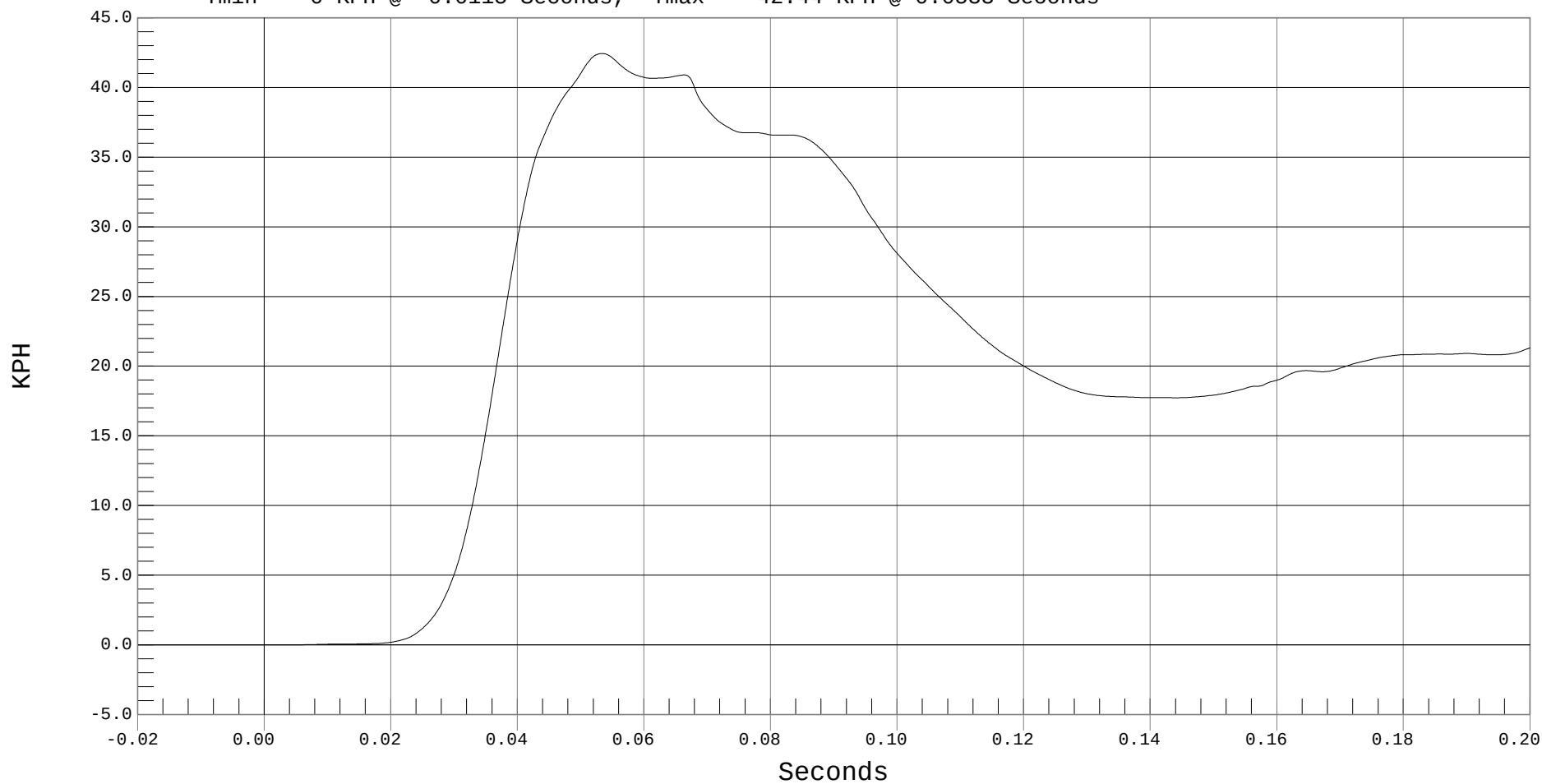
DRIVER LOWER SPINE Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

1 DRIVER LOWER SPINE Y VELOCITY, B01049AI.V06

Ymin = 0 KPH @ -0.0115 Seconds, Ymax = 42.44 KPH @ 0.0533 Seconds





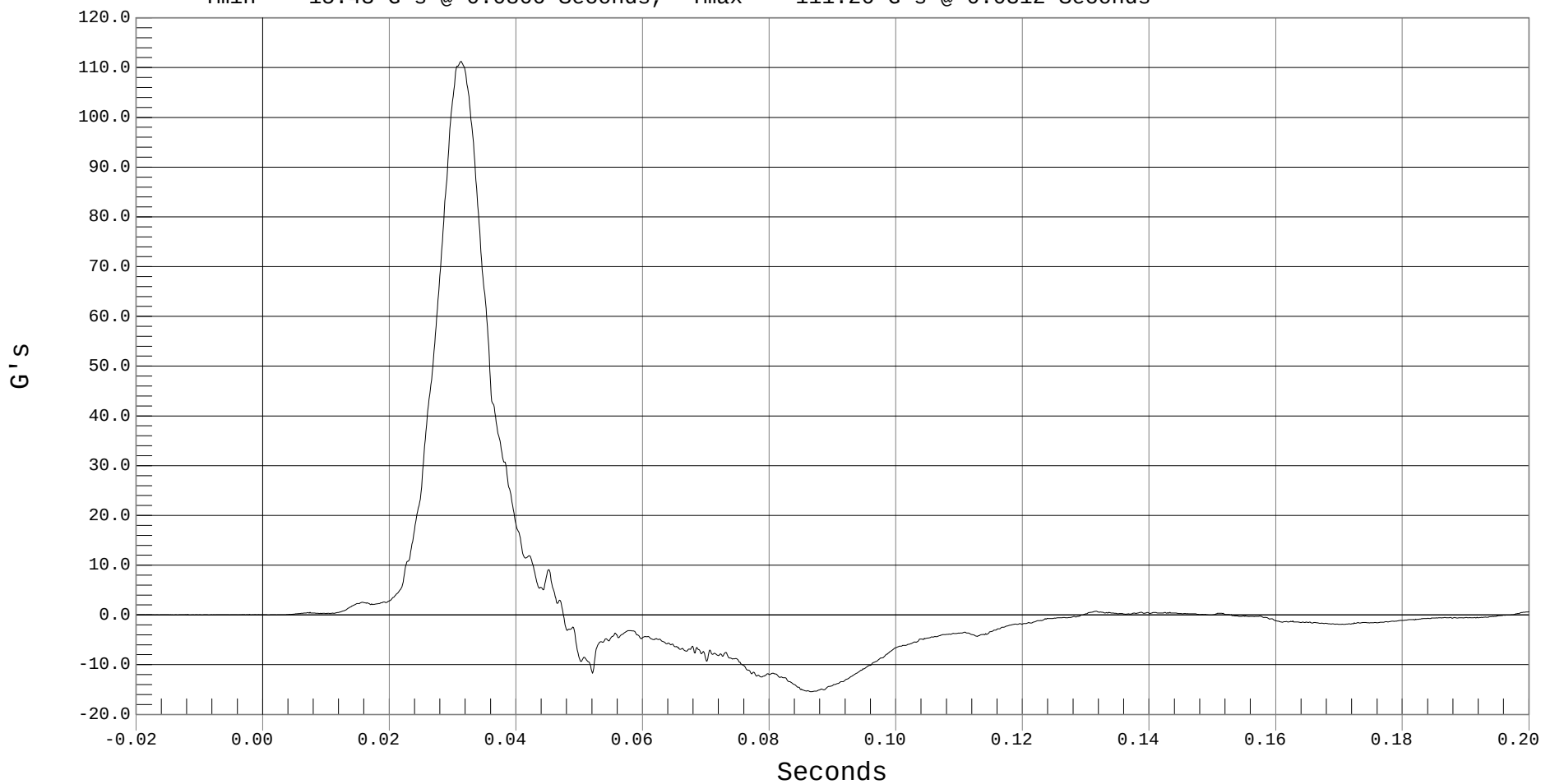
DRIVER PELVIS Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 DRIVER PELVIS Y, B01049AT.A07

Ymin = -15.43 G's @ 0.0866 Seconds, Ymax = 111.26 G's @ 0.0312 Seconds





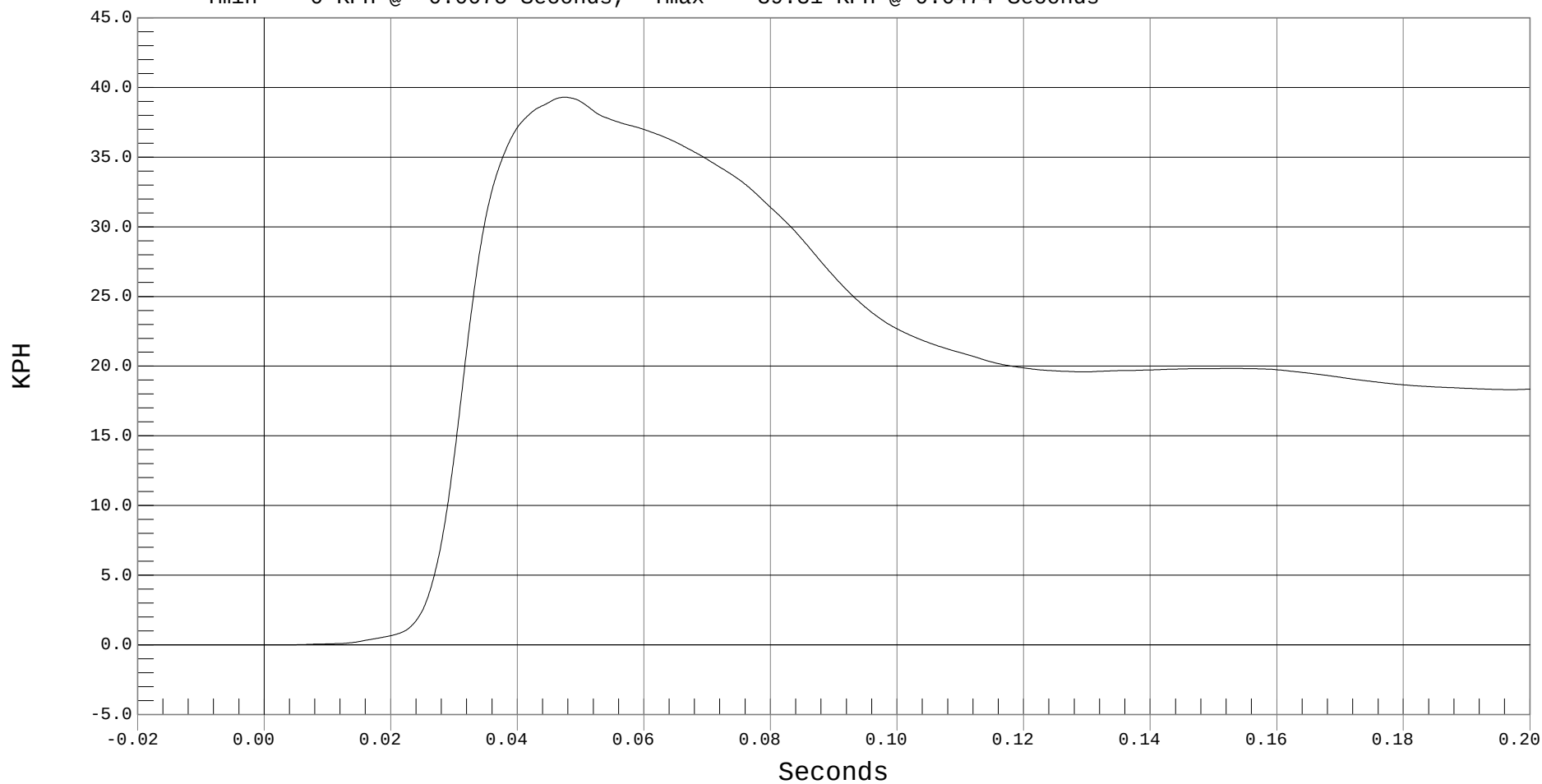
DRIVER PELVIS Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 DRIVER PELVIS Y VELOCITY, B01049AI.V07

Ymin = 0 KPH @ -0.0075 Seconds, Ymax = 39.31 KPH @ 0.0474 Seconds





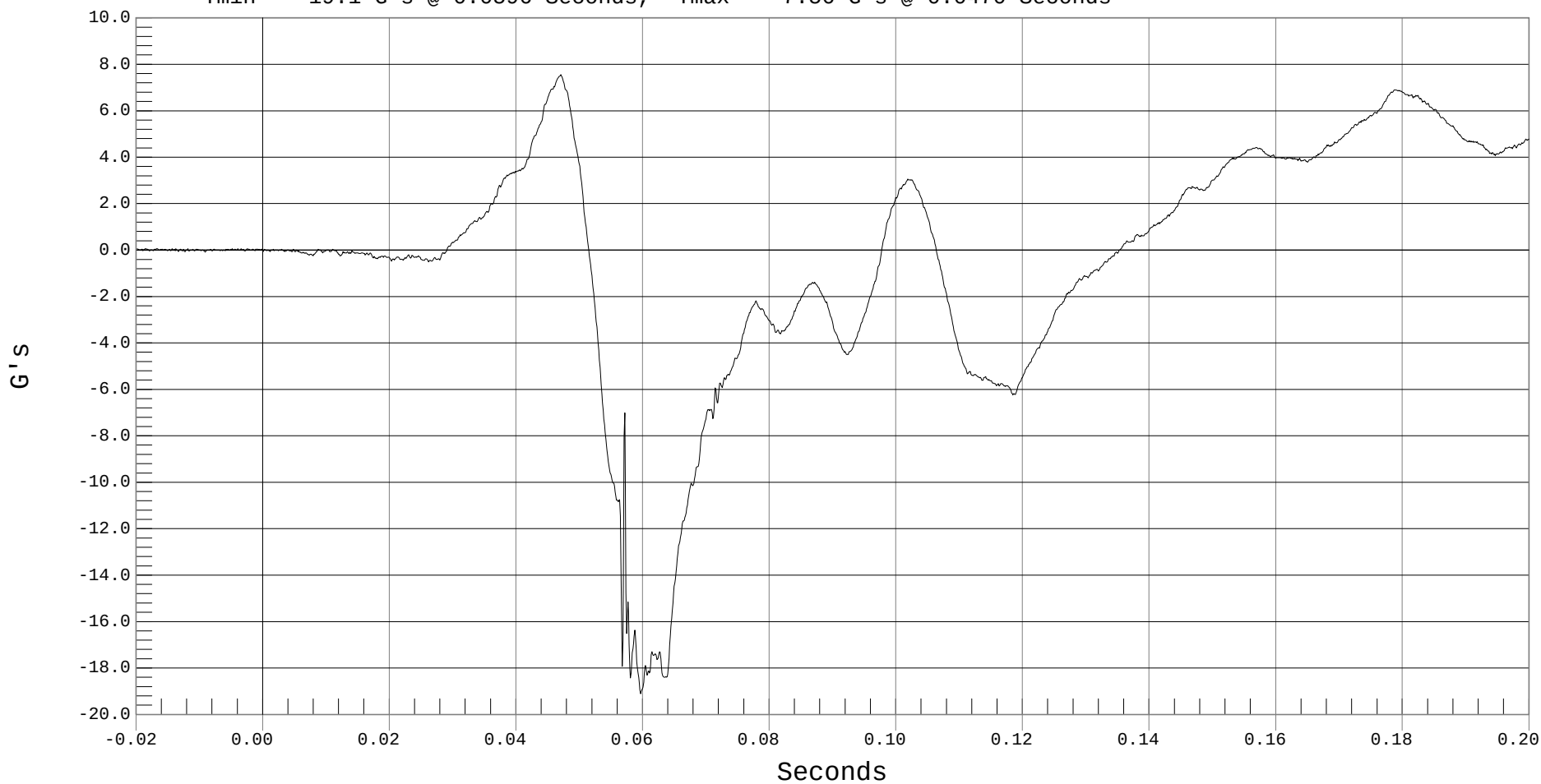
REAR PASSENGER HEAD X ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 PASSENGER HEAD X, B01049AT.A08

Ymin = -19.1 G's @ 0.0596 Seconds, Ymax = 7.56 G's @ 0.0470 Seconds





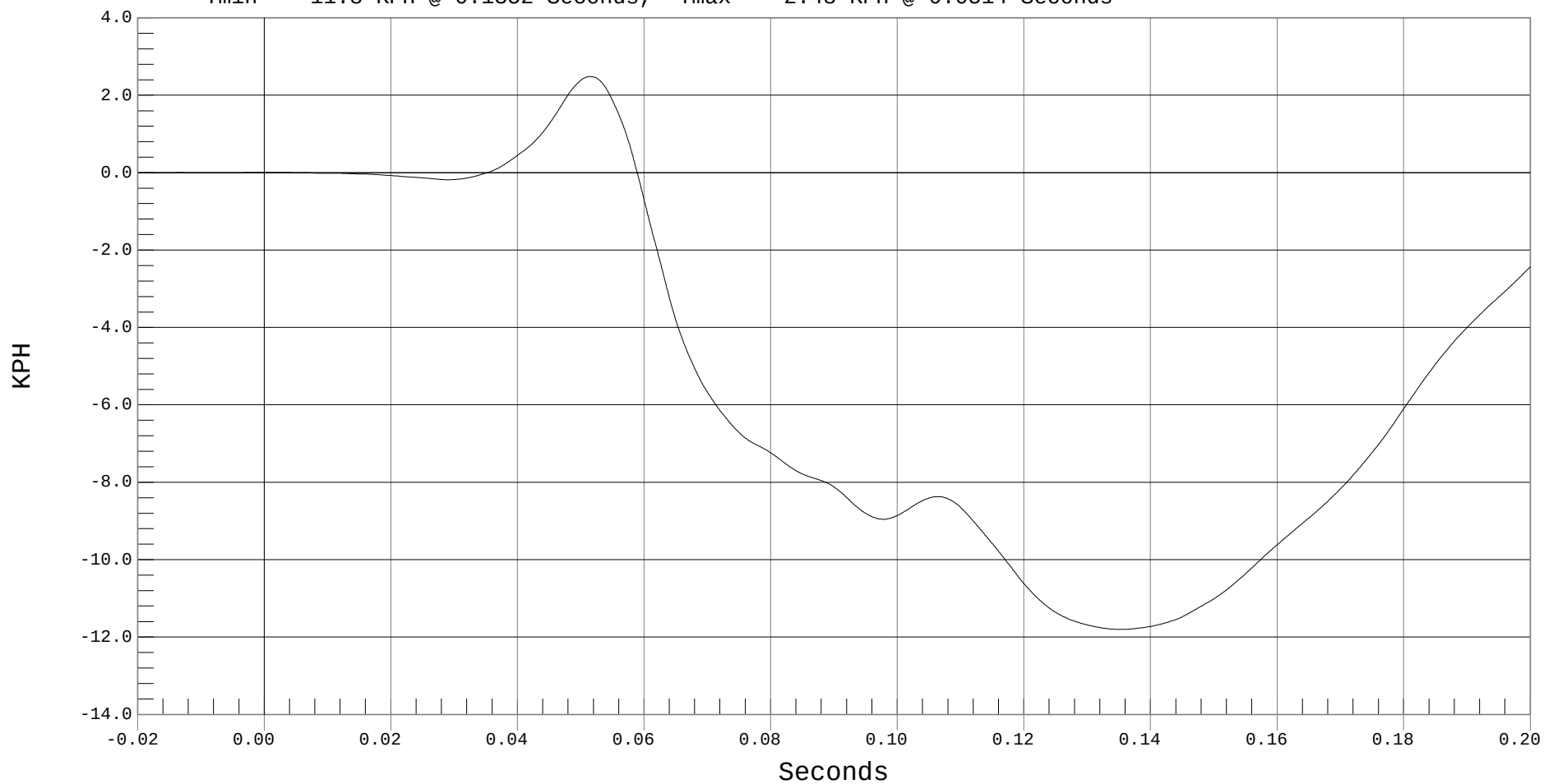
REAR PASSENGER HEAD X VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 REAR PASSENGER HEAD X VELOCITY, B01049AI.V08

Ymin = -11.8 KPH @ 0.1352 Seconds, Ymax = 2.48 KPH @ 0.0514 Seconds





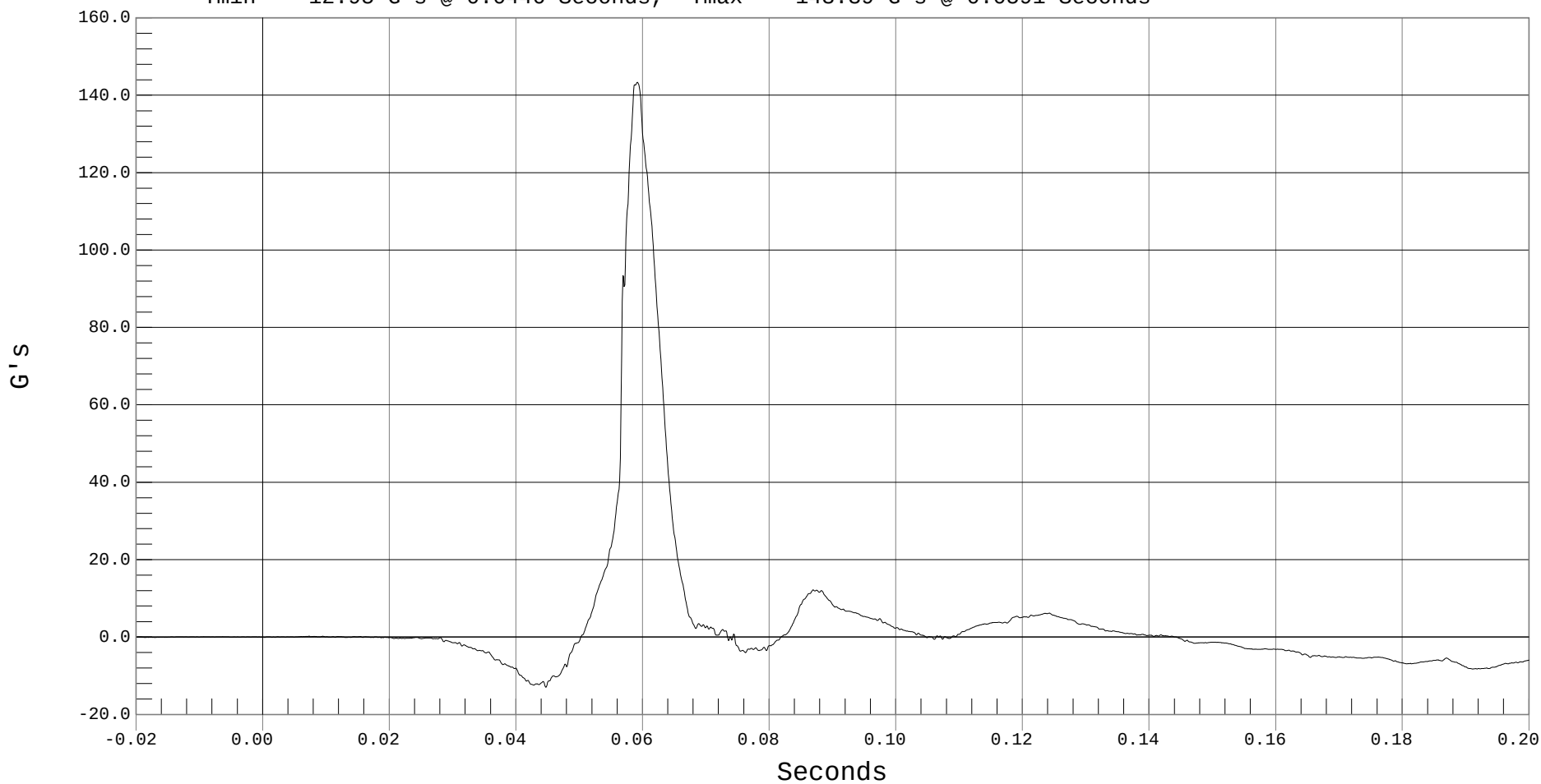
REAR PASSENGER HEAD Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 PASSENGER HEAD Y, B01049AT.A09

Ymin = -12.95 G's @ 0.0446 Seconds, Ymax = 143.39 G's @ 0.0591 Seconds





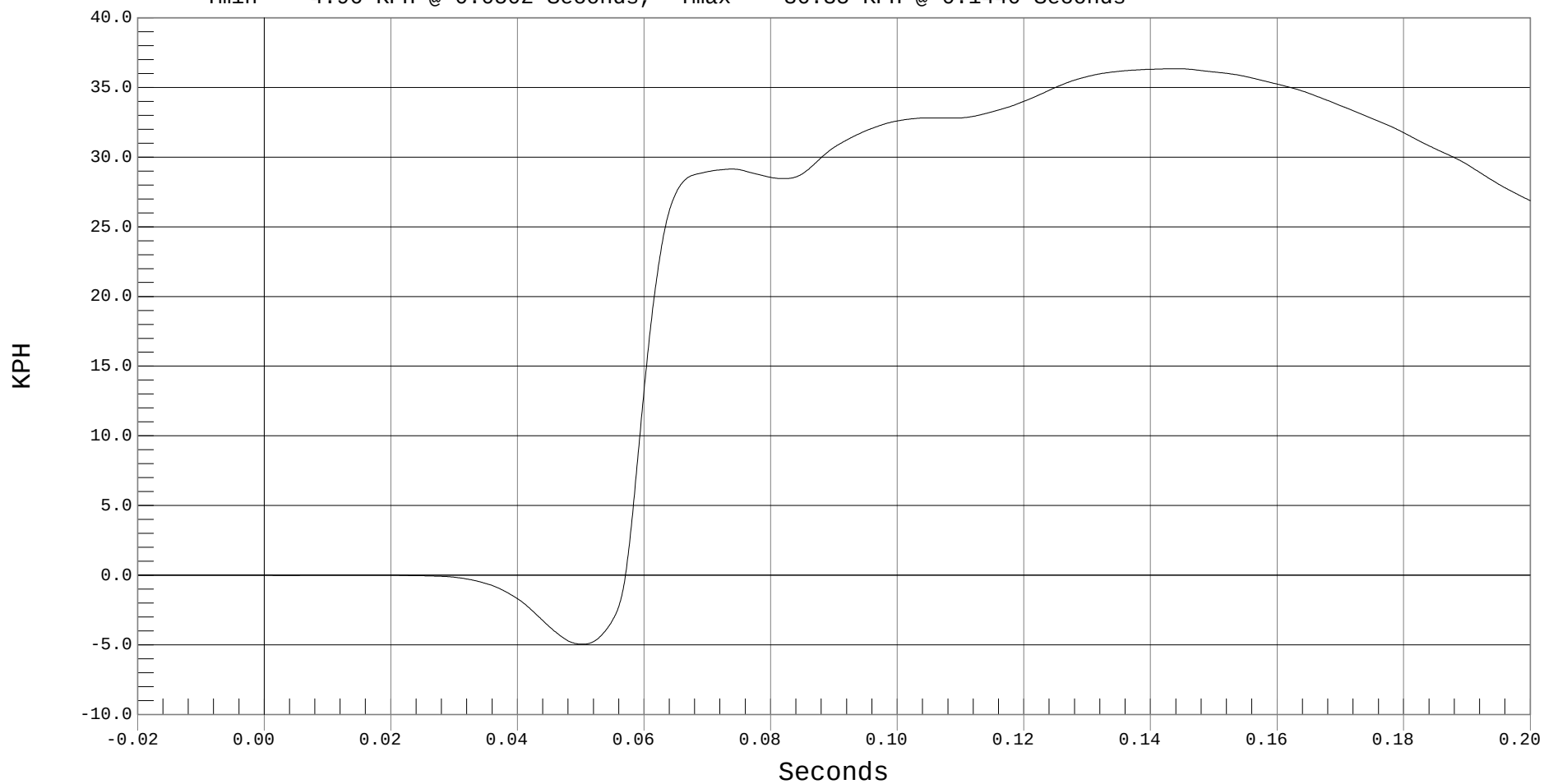
REAR PASSENGER HEAD Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 REAR PASSENGER HEAD Y VELOCITY, B01049AI.V09

Ymin = -4.96 KPH @ 0.0502 Seconds, Ymax = 36.35 KPH @ 0.1440 Seconds





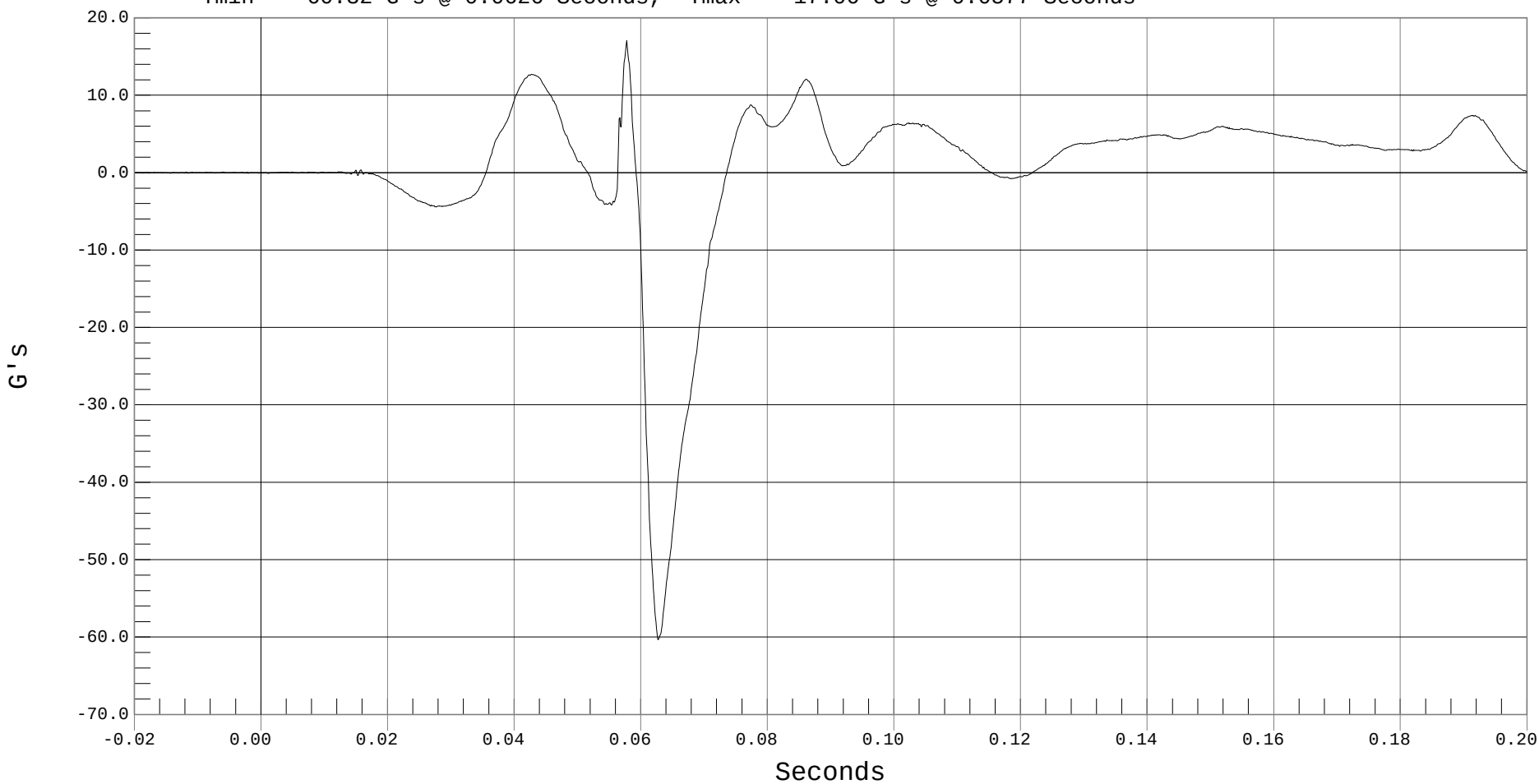
REAR PASSENGER HEAD Z ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 PASSENGER HEAD Z, B01049AT.A10

Ymin = -60.32 G's @ 0.0626 Seconds, Ymax = 17.06 G's @ 0.0577 Seconds





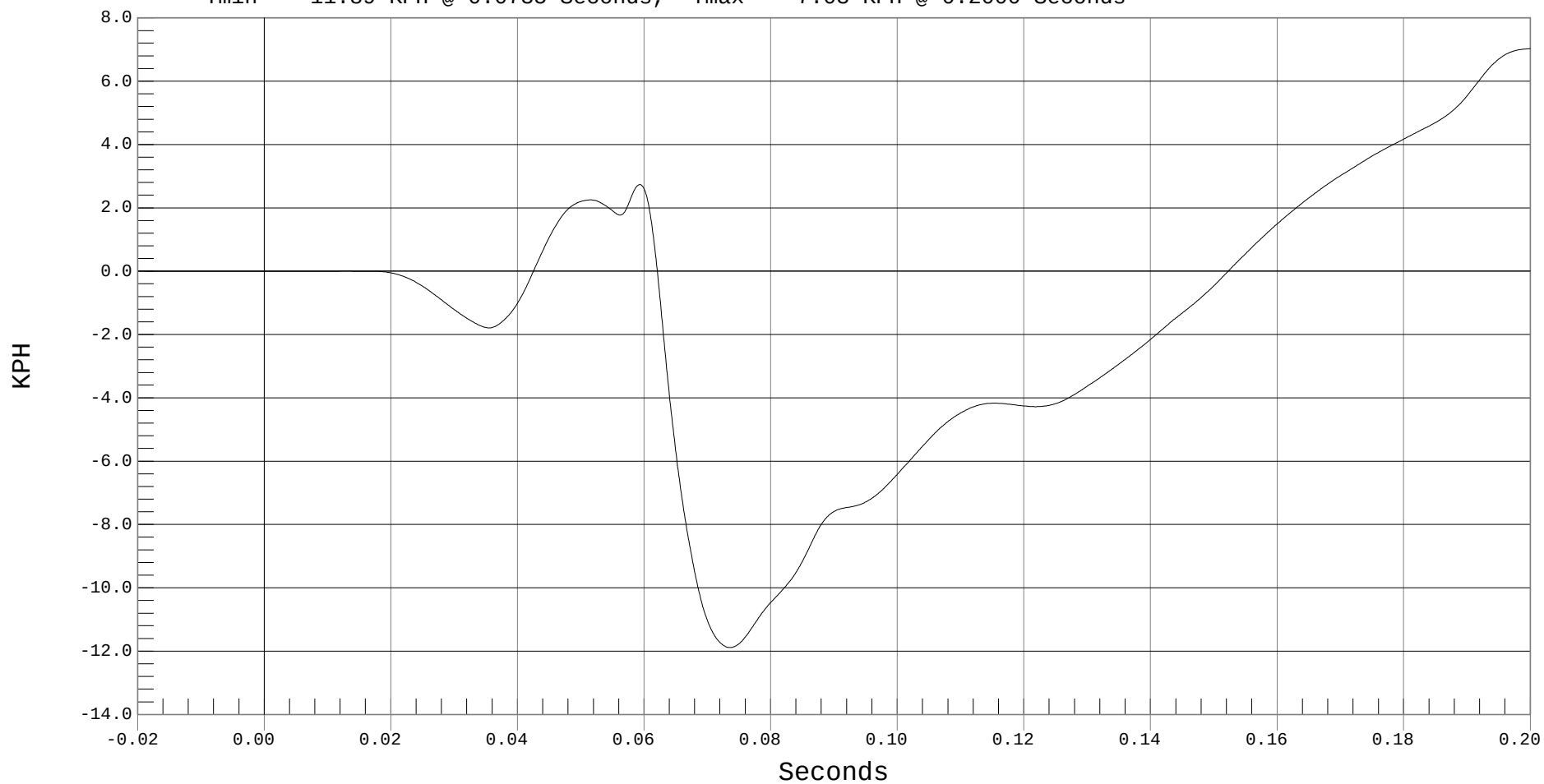
REAR PASSENGER HEAD Z VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 REAR PASSENGER HEAD Z VELOCITY, B01049AI.V10

Ymin = -11.89 KPH @ 0.0735 Seconds, Ymax = 7.03 KPH @ 0.2000 Seconds





REAR PASSENGER HEAD RESULTANT ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

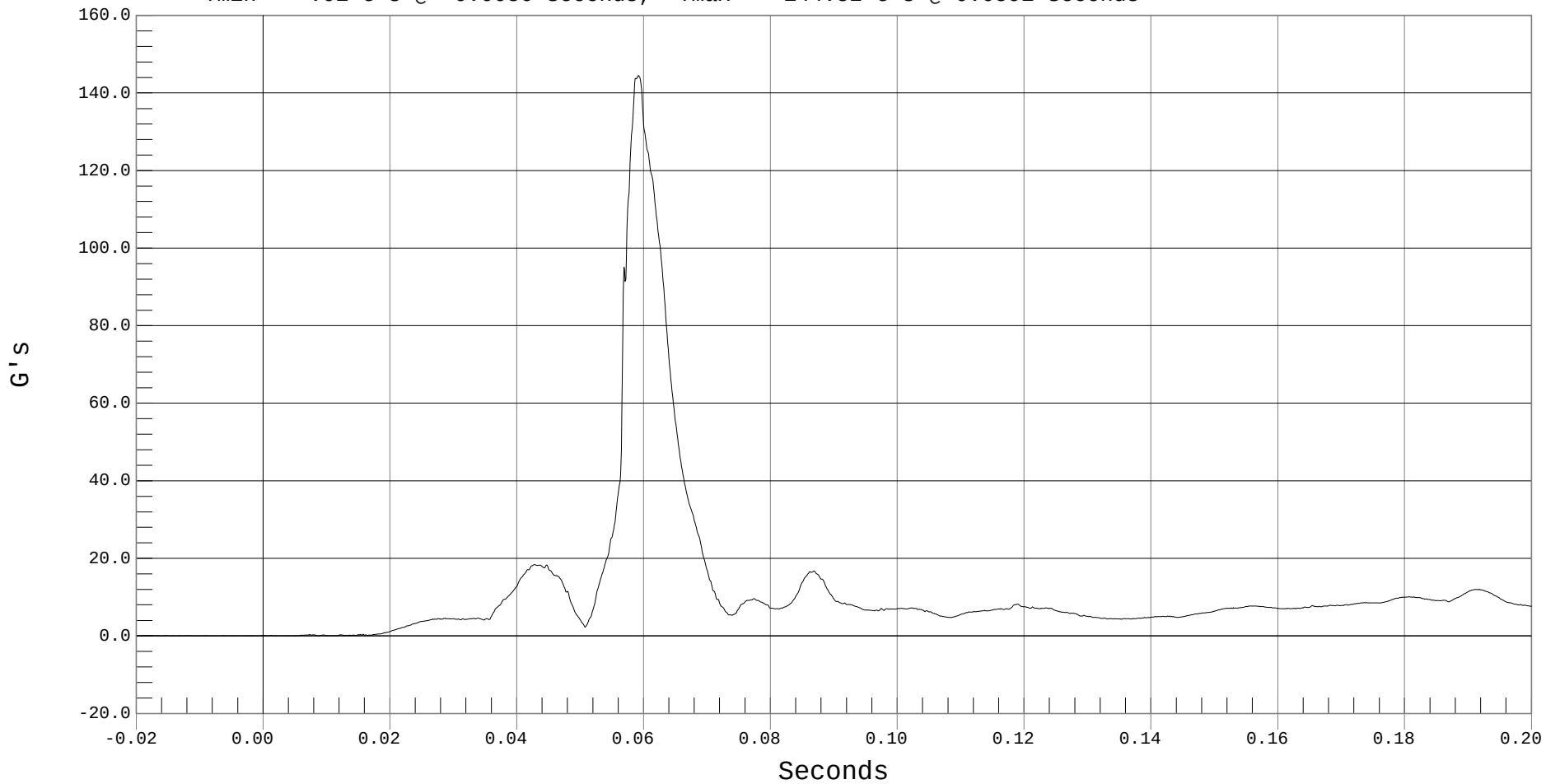
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 REAR PASSENGER HEAD RESULTANT, B01049AV.A08

Ymin = .01 G's @ -0.0086 Seconds, Ymax = 144.52 G's @ 0.0591 Seconds





REAR PASSENGER UPPER RIB Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

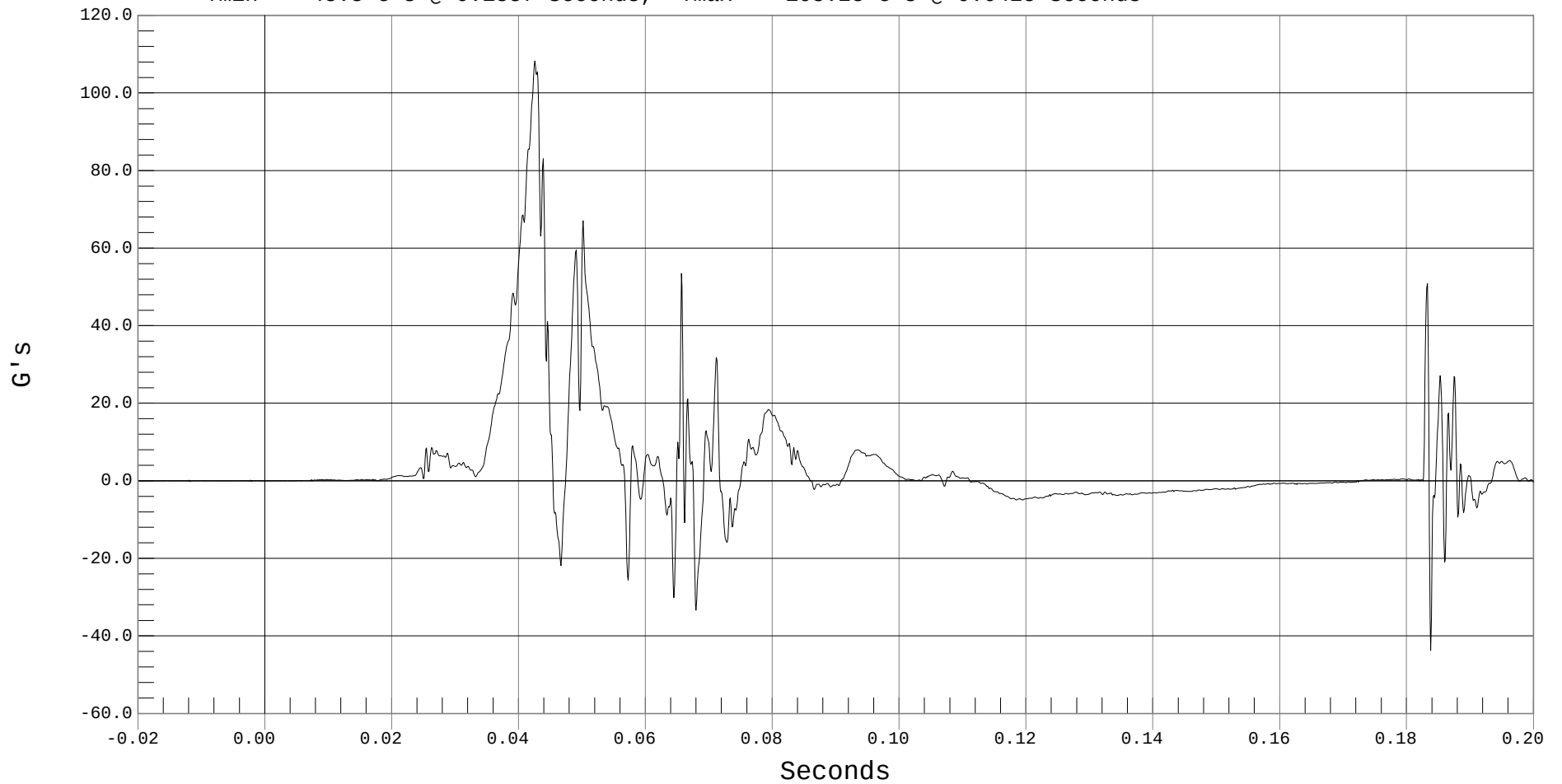
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 PASSENGER UPPER RIB Y, B01049AT.A11

Ymin = -43.8 G's @ 0.1837 Seconds, Ymax = 108.28 G's @ 0.0425 Seconds





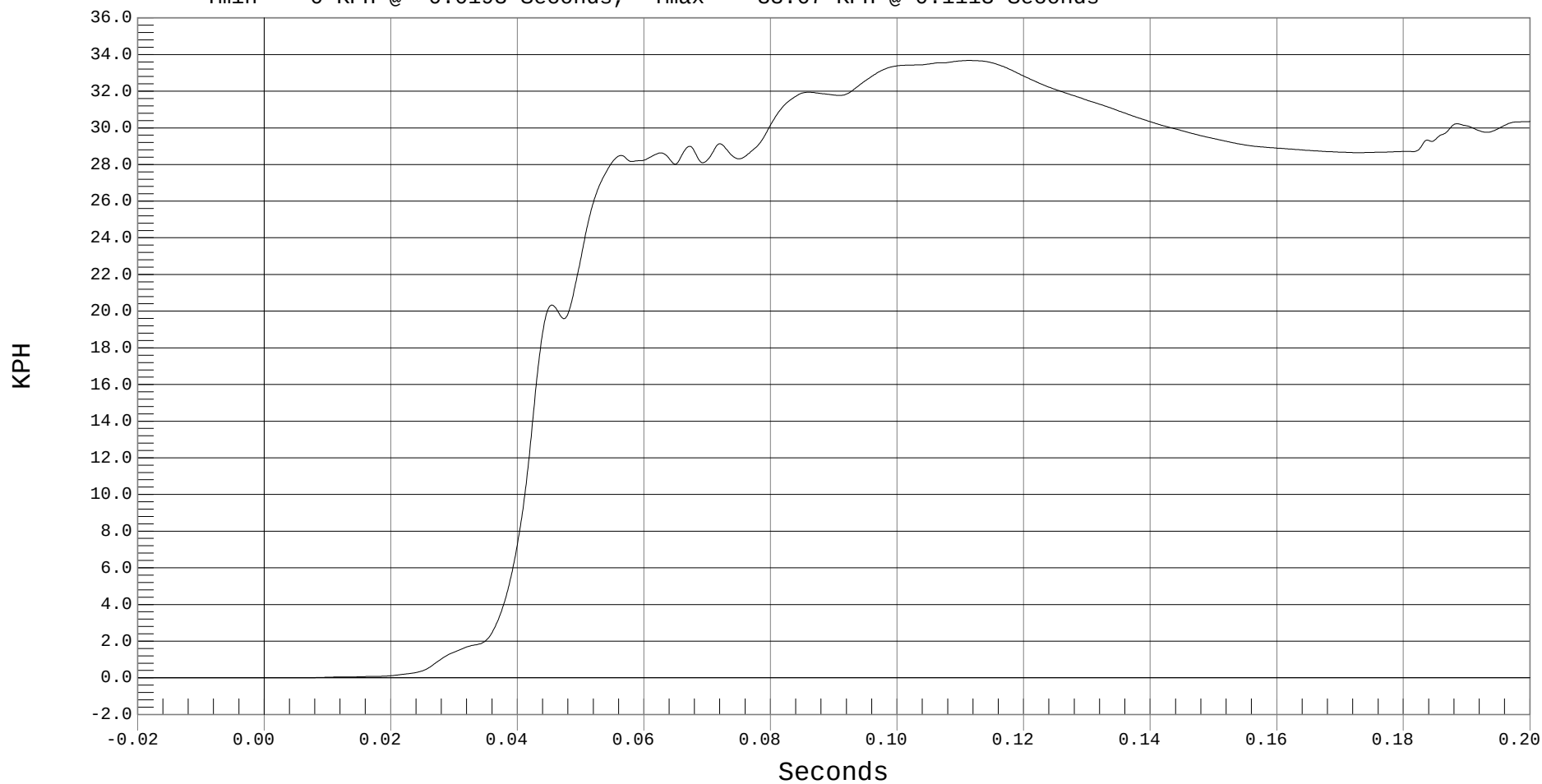
REAR PASSENGER UPPER RIB Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

1 REAR PASSENGER UPPER RIB Y VELOCITY, B01049AI.V11

Ymin = 0 KPH @ -0.0193 Seconds, Ymax = 33.67 KPH @ 0.1113 Seconds





REAR PASSENGER LOWER RIB Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

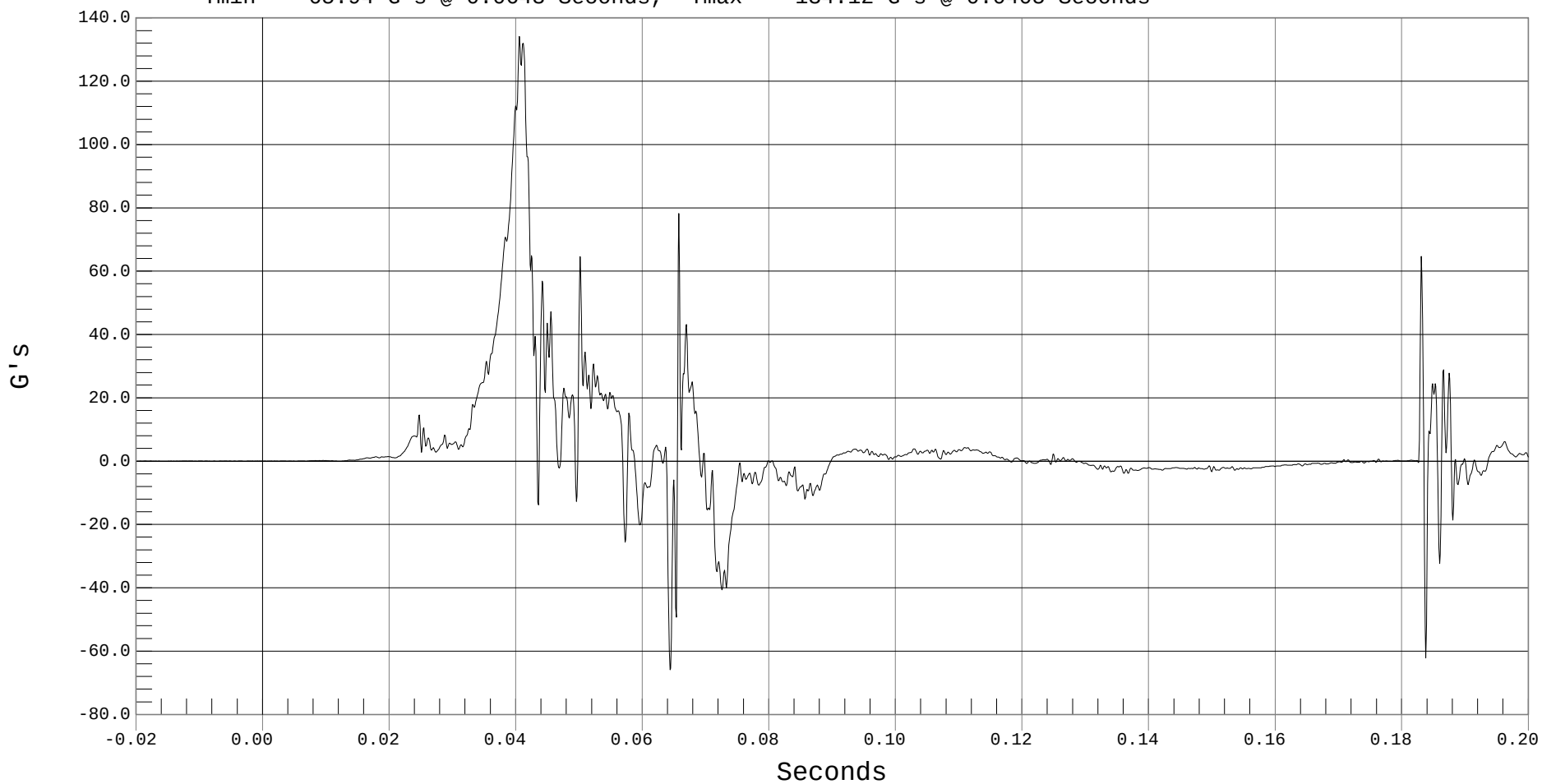
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 PASSENGER LOWER RIB Y, B01049AT.A12

Ymin = -65.94 G's @ 0.0643 Seconds, Ymax = 134.12 G's @ 0.0405 Seconds





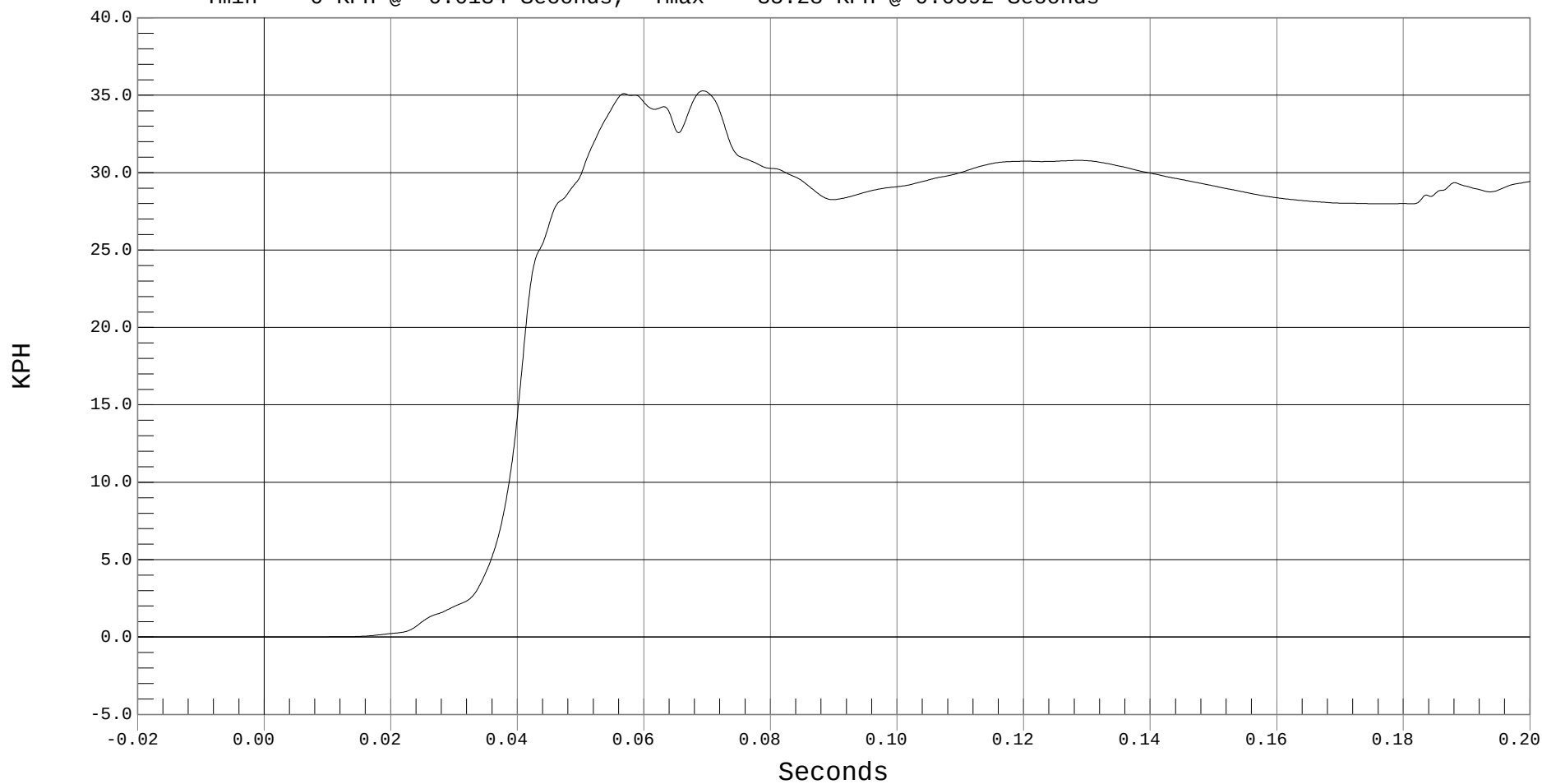
REAR PASSENGER LOWER RIB Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

1 REAR PASSENGER LOWER RIB Y VELOCITY, B01049AI.V12

Ymin = 0 KPH @ -0.0134 Seconds, Ymax = 35.28 KPH @ 0.0692 Seconds





REAR PASSENGER LOWER SPINE Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

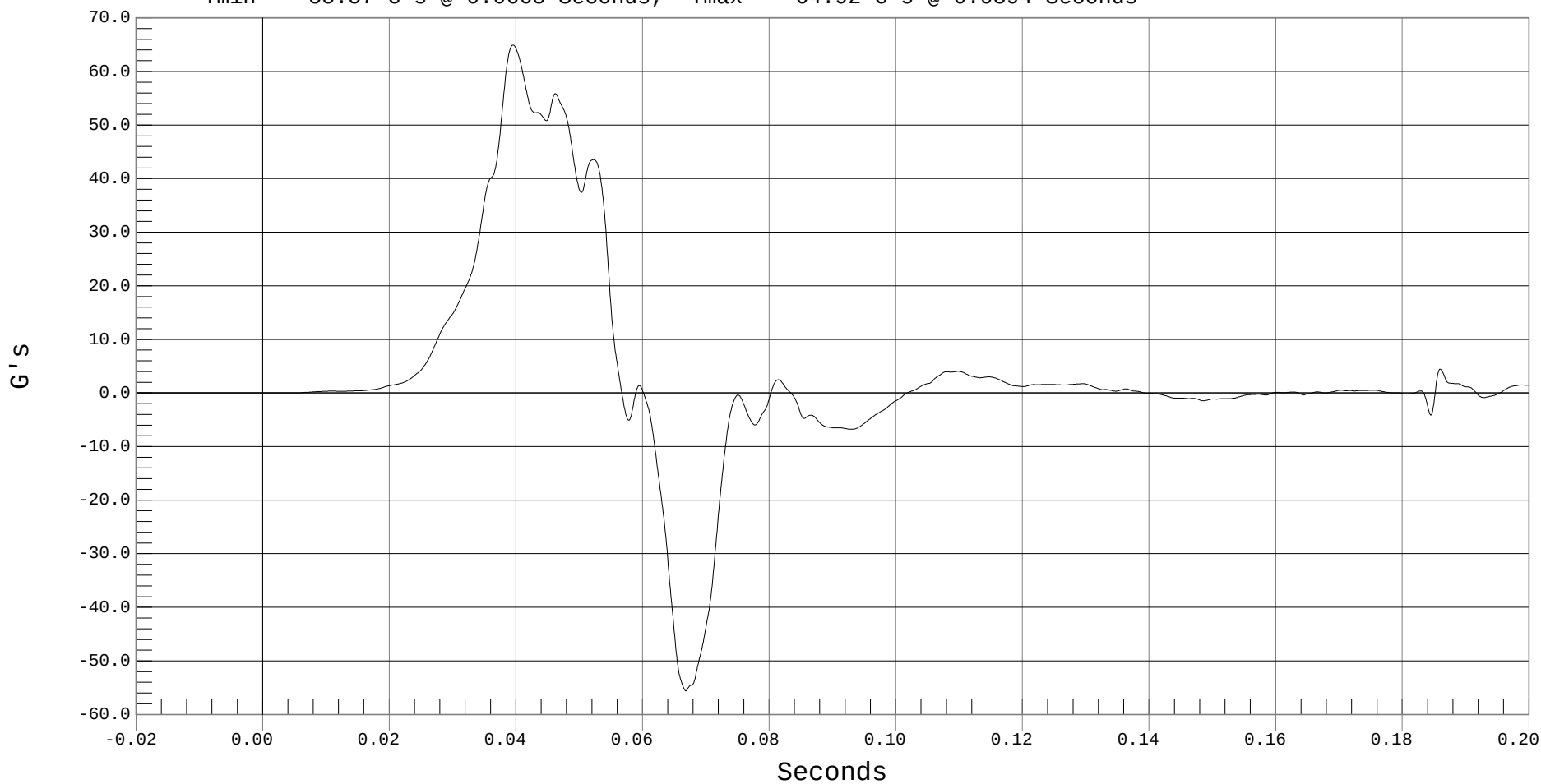
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 PASSENGER LOWER SPINE Y, B01049AF.A13

Ymin = -55.57 G's @ 0.0668 Seconds, Ymax = 64.92 G's @ 0.0394 Seconds





REAR PASSENGER LOWER SPINE Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

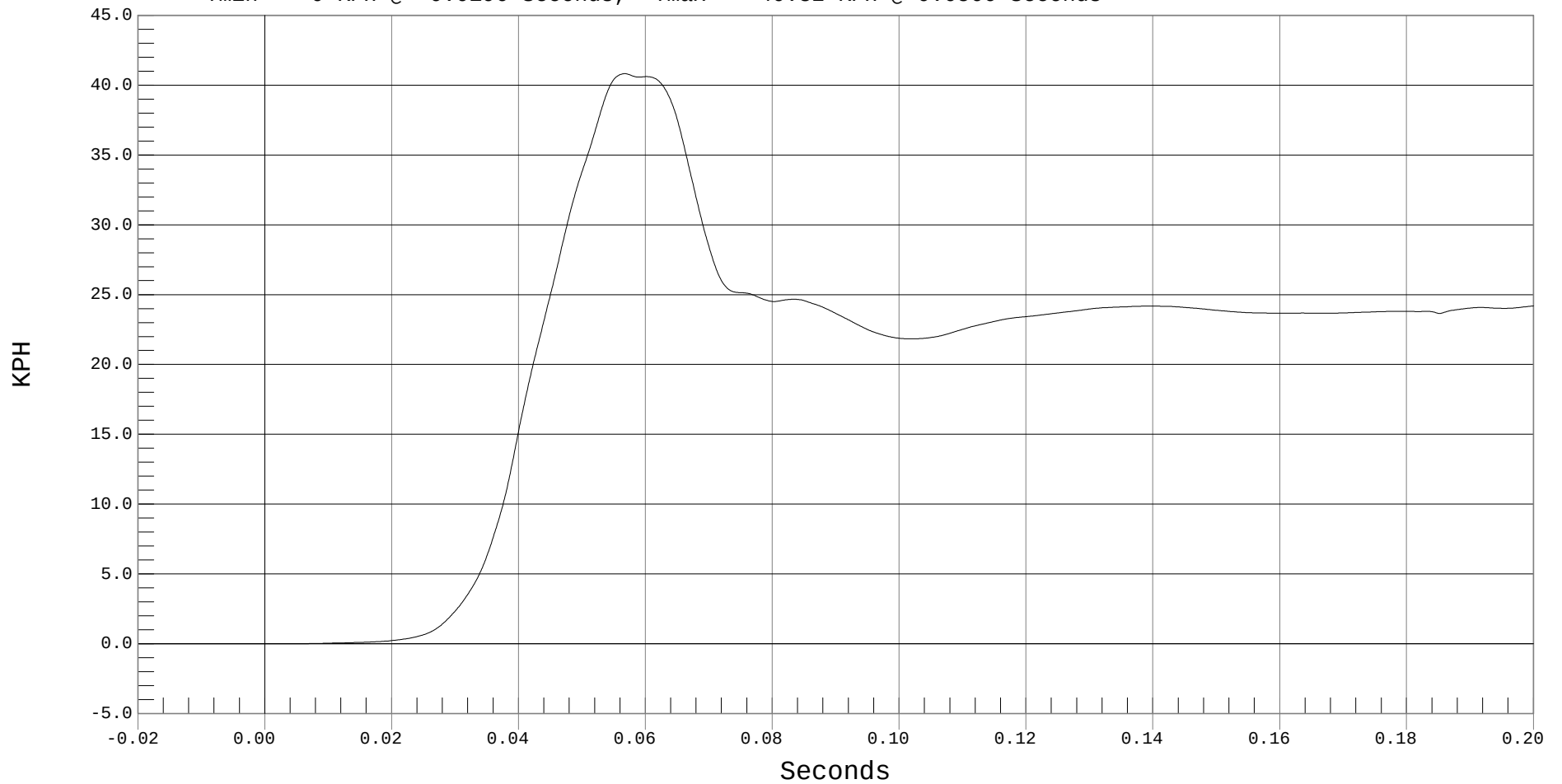
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 REAR PASSENGER LOWER SPINE Y VELOCITY, B01049AI.V13

Ymin = 0 KPH @ -0.0196 Seconds, Ymax = 40.82 KPH @ 0.0566 Seconds





REAR PASSENGER PELVIS Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

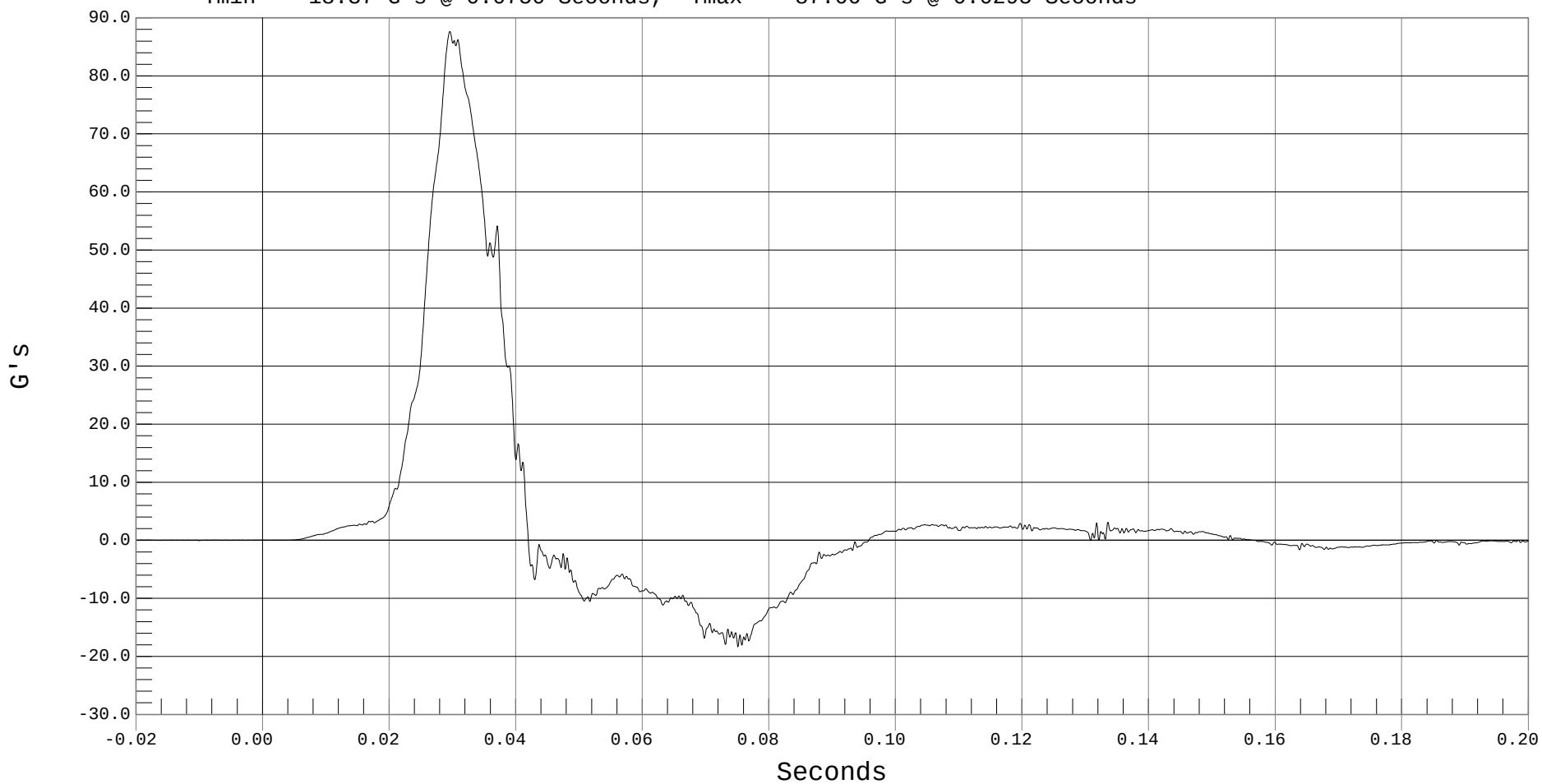
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 PASSENGER PELVIS Y, B01049AT.A14

Ymin = -18.37 G's @ 0.0750 Seconds, Ymax = 87.66 G's @ 0.0295 Seconds





REAR PASSENGER PELVIS Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

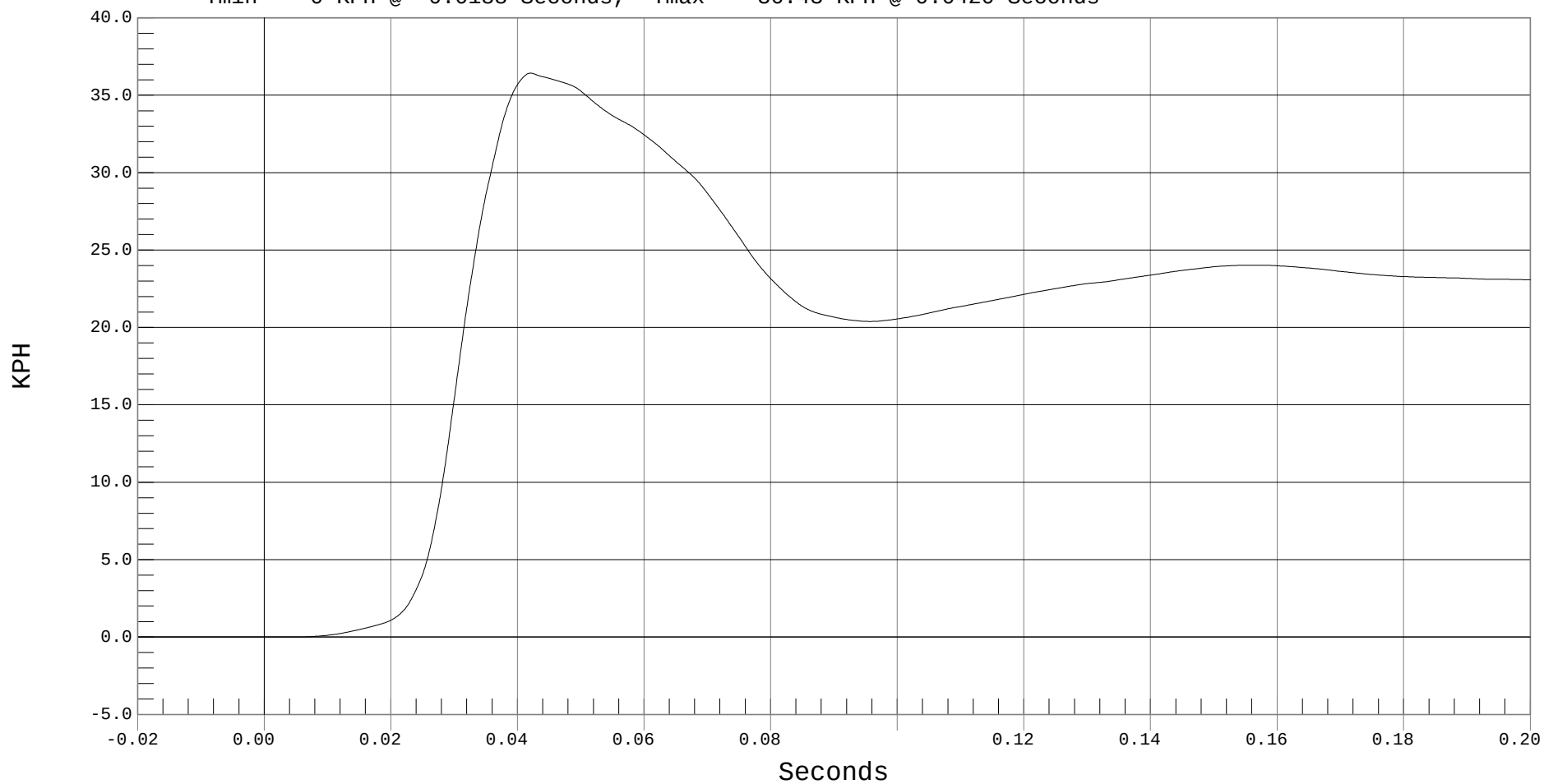
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 REAR PASSENGER PELVIS Y VELOCITY, B01049AI.V14

Ymin = 0 KPH @ -0.0188 Seconds, Ymax = 36.43 KPH @ 0.0420 Seconds





RIGHT SIDE SILL AT FRONT SEAT X ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

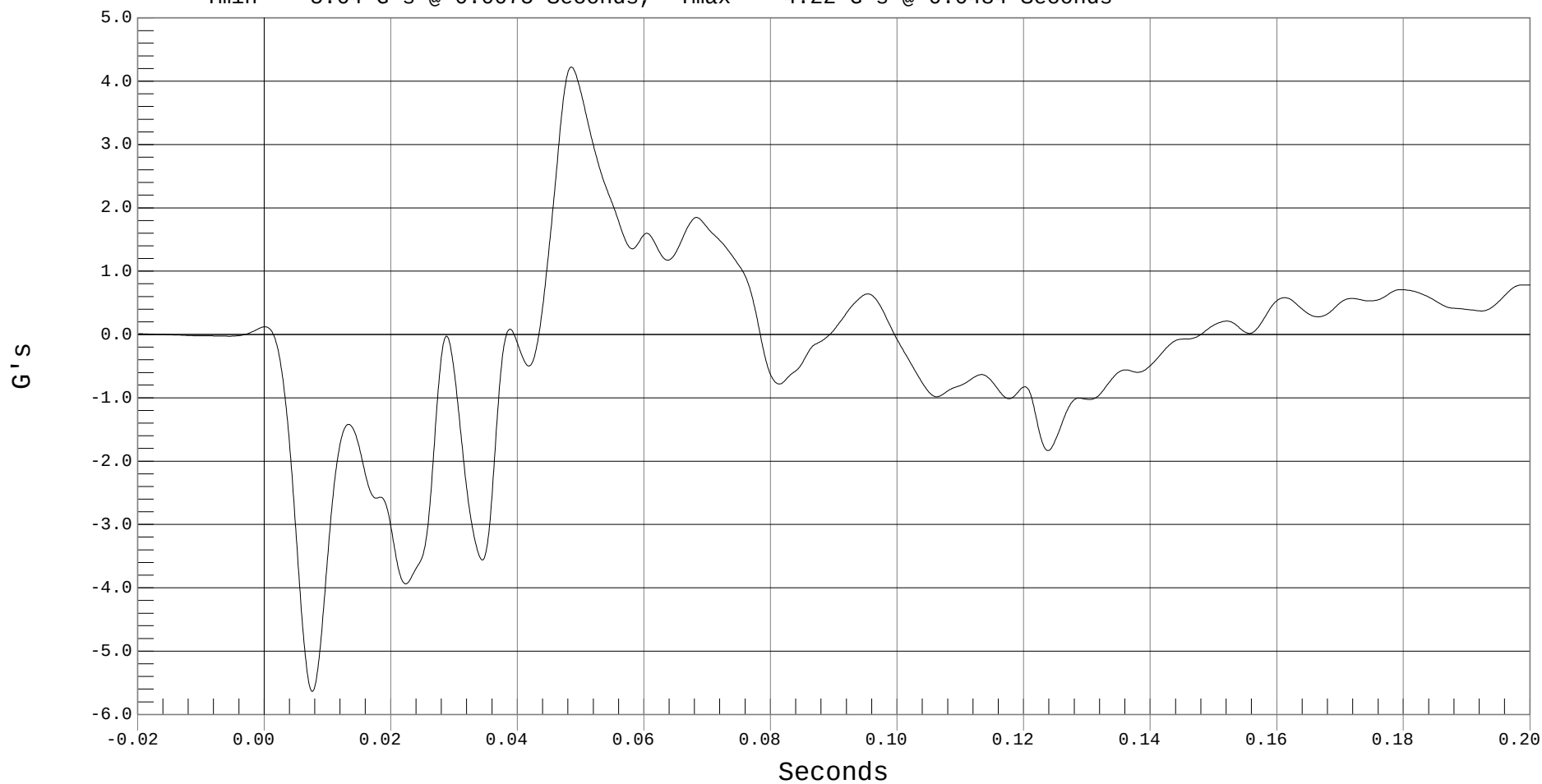
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 RIGHT FRONT SILL X, B01049AF.A15

Ymin = -5.64 G's @ 0.0075 Seconds, Ymax = 4.22 G's @ 0.0484 Seconds





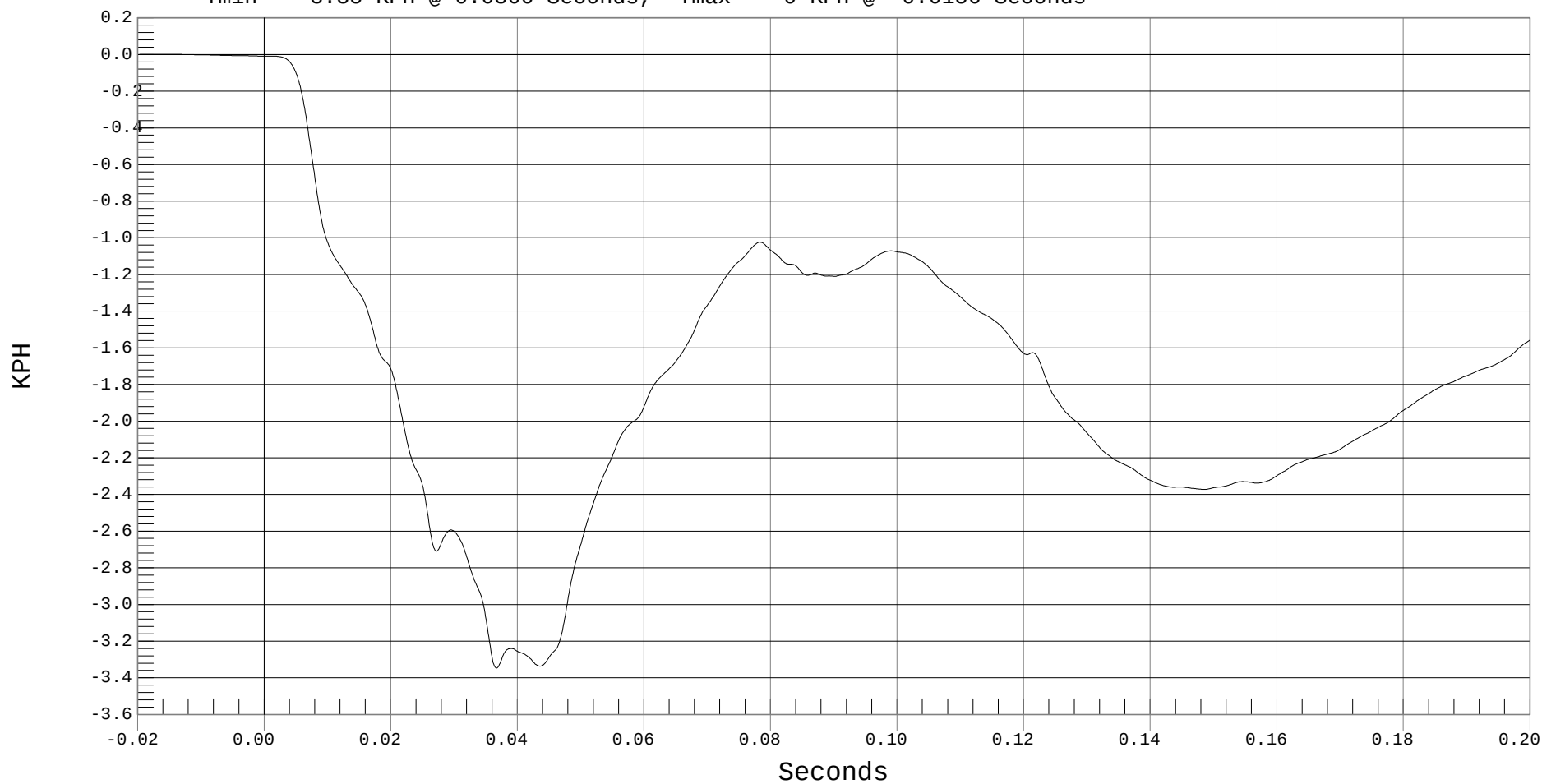
RIGHT SIDE SILL AT FRONT SEAT X VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 RIGHT SIDE SILL AT FRONT SEAT X VELOCITY, B01049AI.V15

Ymin = -3.35 KPH @ 0.0366 Seconds, Ymax = 0 KPH @ -0.0156 Seconds





RIGHT SIDE SILL AT FRONT SEAT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

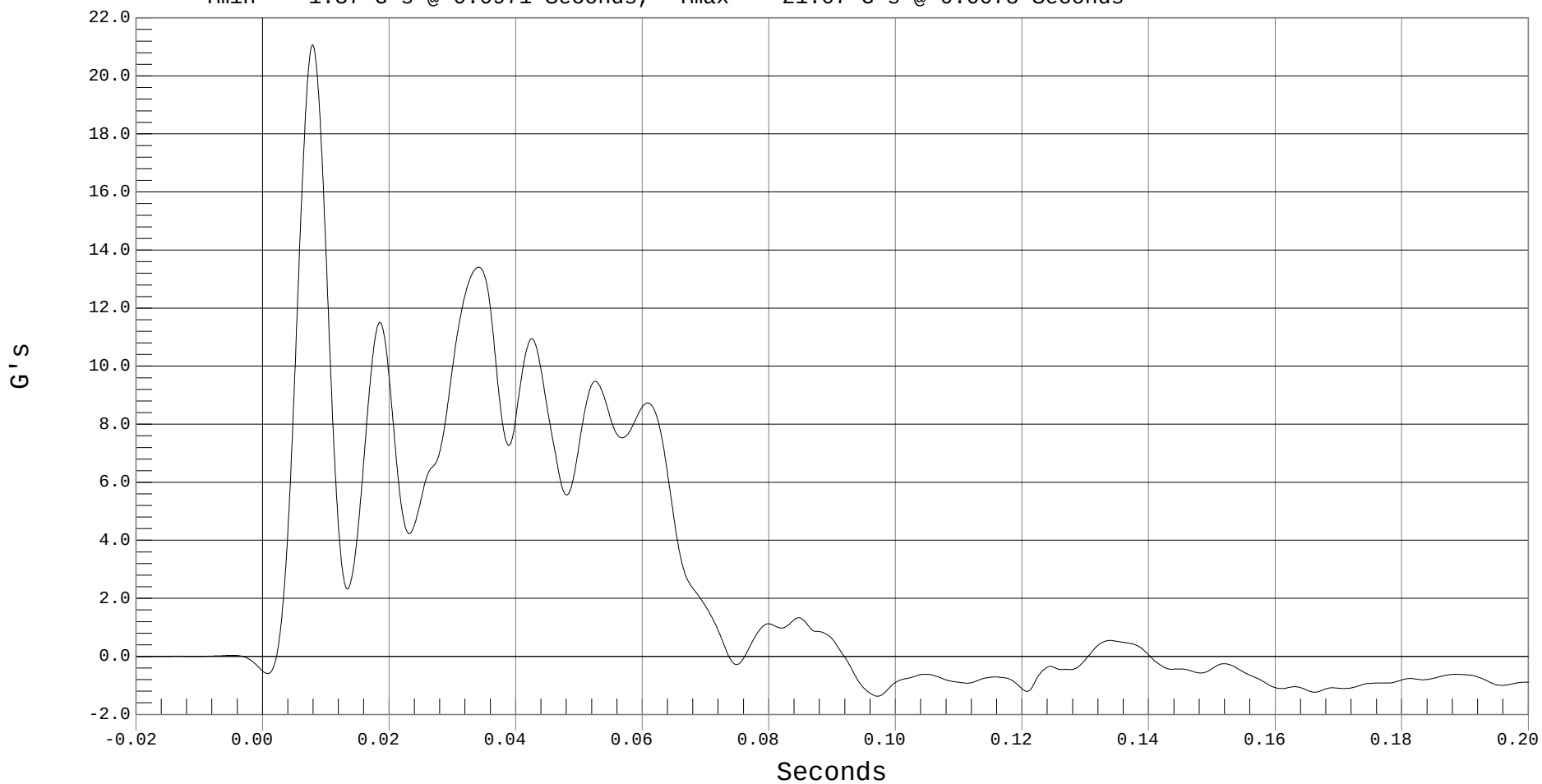
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 RIGHT FRONT SILL Y, B01049AF.A16

Ymin = -1.37 G's @ 0.0971 Seconds, Ymax = 21.07 G's @ 0.0078 Seconds





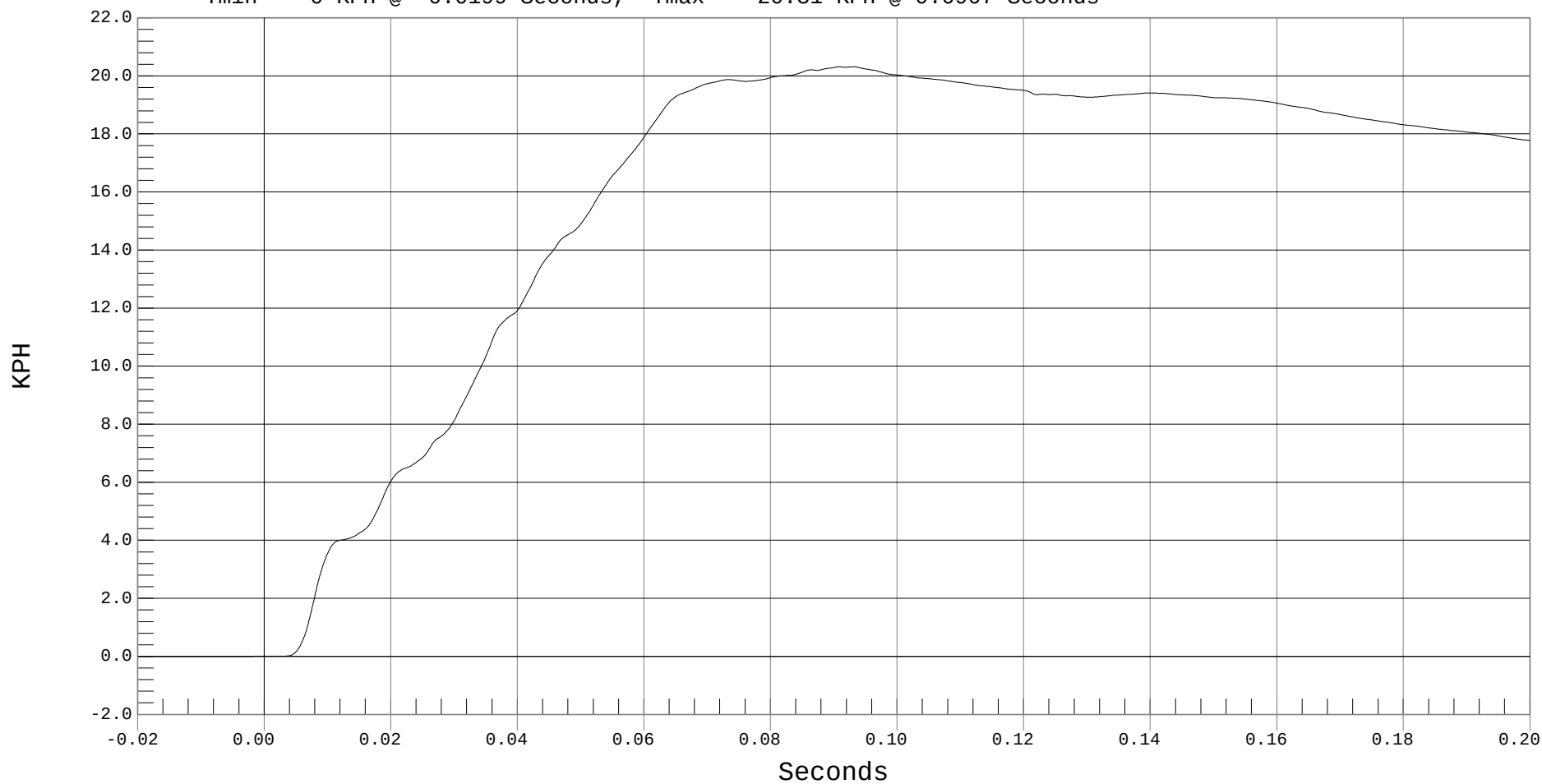
RIGHT SIDE SILL AT FRONT SEAT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 RIGHT SIDE SILL AT FRONT SEAT Y VELOCITY, B01049AI.V16

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 20.31 KPH @ 0.0907 Seconds





RIGHT SIDE SILL AT FRONT SEAT Z ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

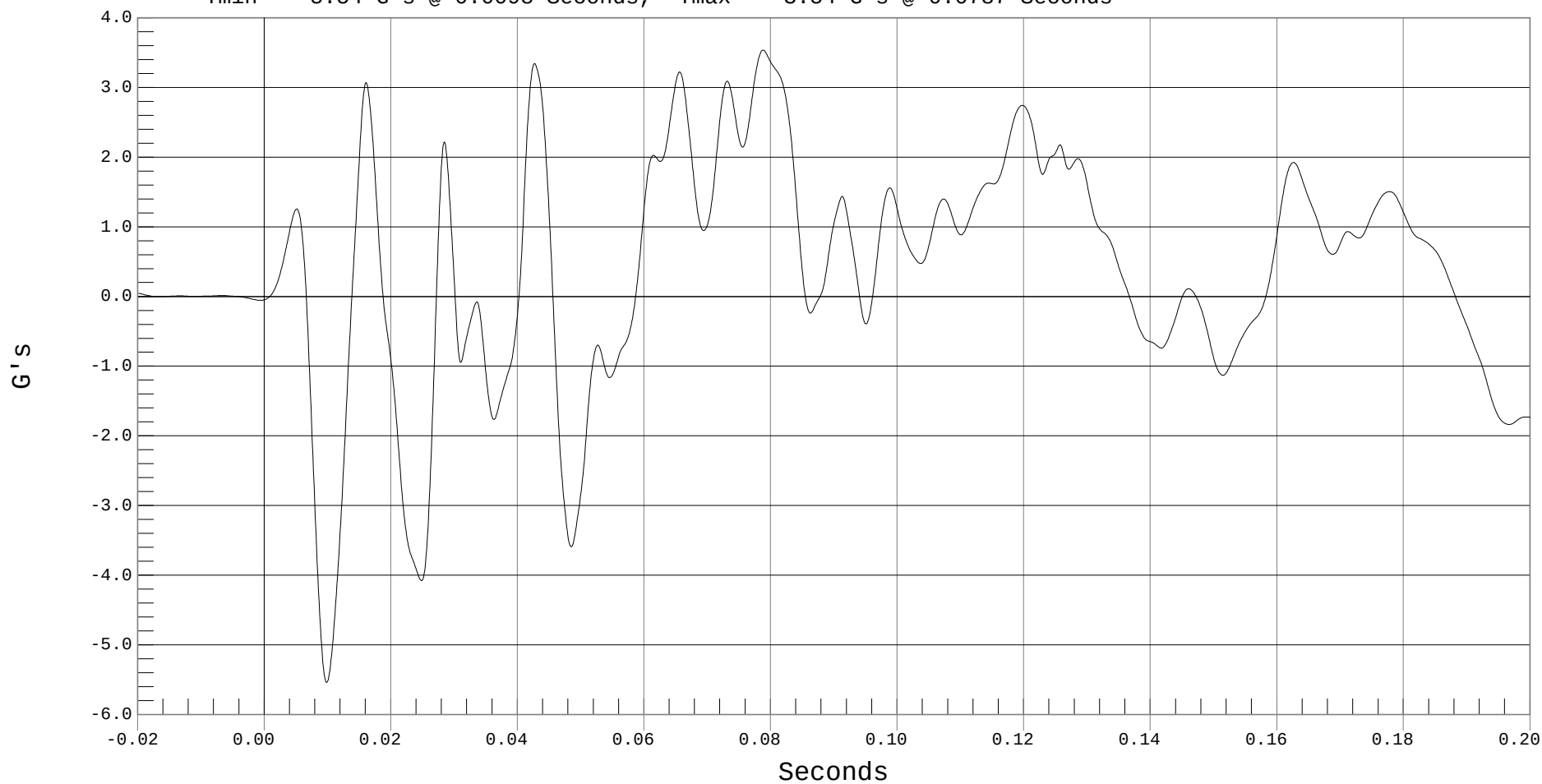
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 RIGHT FRONT SILL Z, B01049AF.A17

Ymin = -5.54 G's @ 0.0098 Seconds, Ymax = 3.54 G's @ 0.0787 Seconds





RIGHT SIDE SILL AT FRONT SEAT Z VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

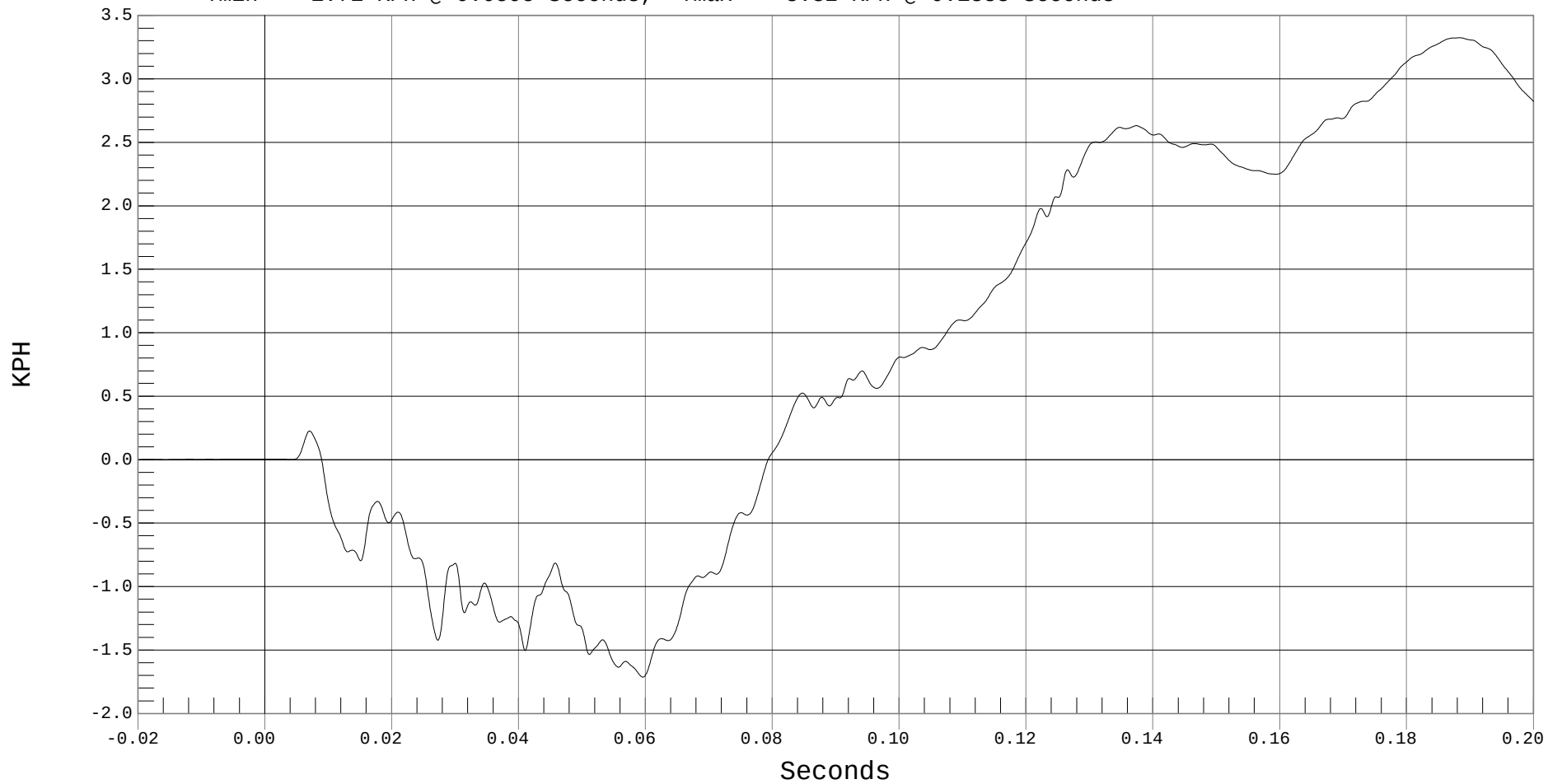
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 RIGHT SIDE SILL AT FRONT SEAT Z VELOCITY, B01049AI.V17

Ymin = -1.71 KPH @ 0.0595 Seconds, Ymax = 3.32 KPH @ 0.1883 Seconds





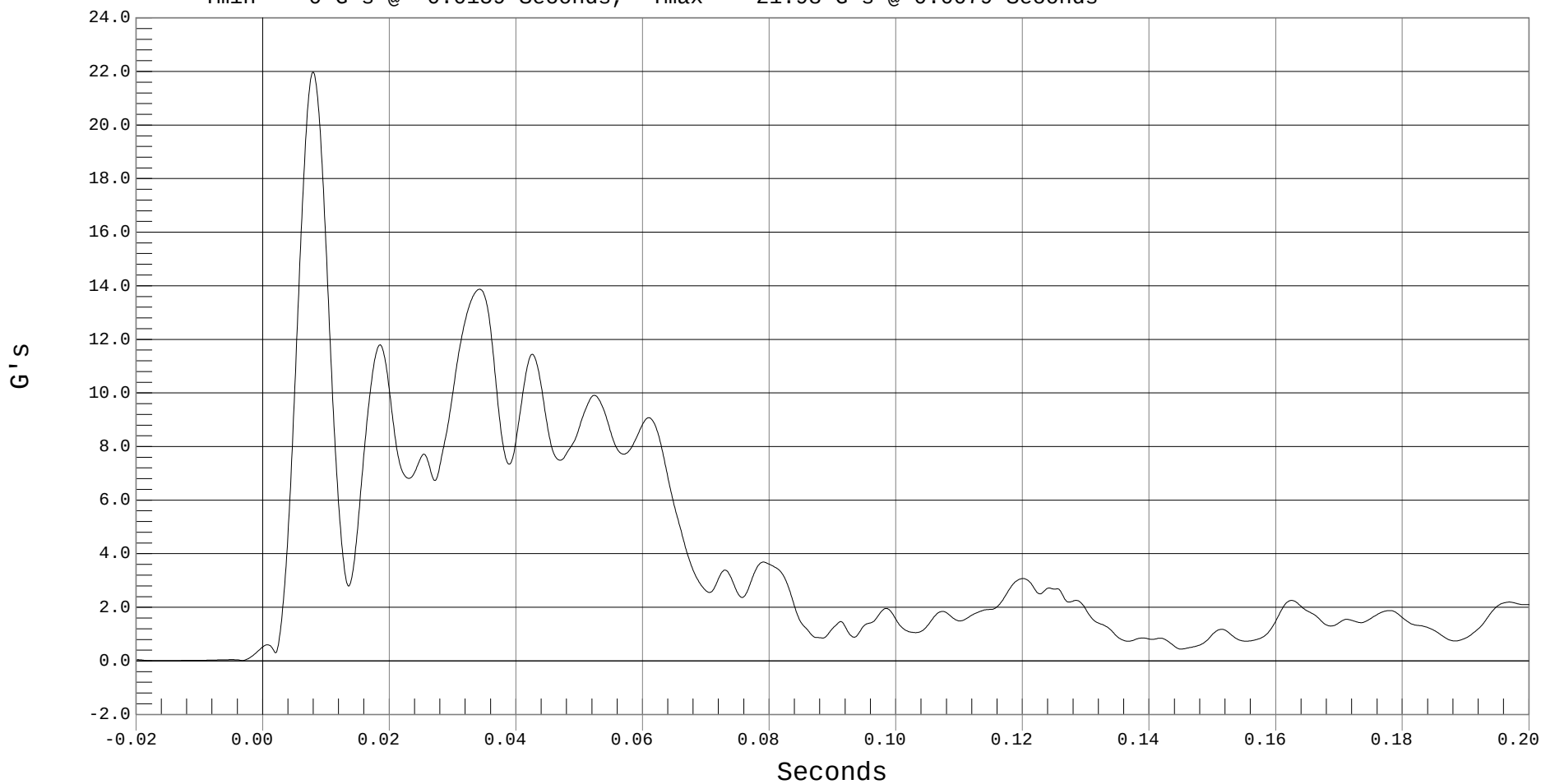
RIGHT SIDE SILL AT FRONT SEAT RESULTANT ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 RIGHT SIDE SILL AT FRONT SEAT RESULTANT ACCELERATION, B01049AV.A15

Ymin = 0 G's @ -0.0159 Seconds, Ymax = 21.98 G's @ 0.0079 Seconds





RIGHT SIDE SILL AT REAR SEAT X ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

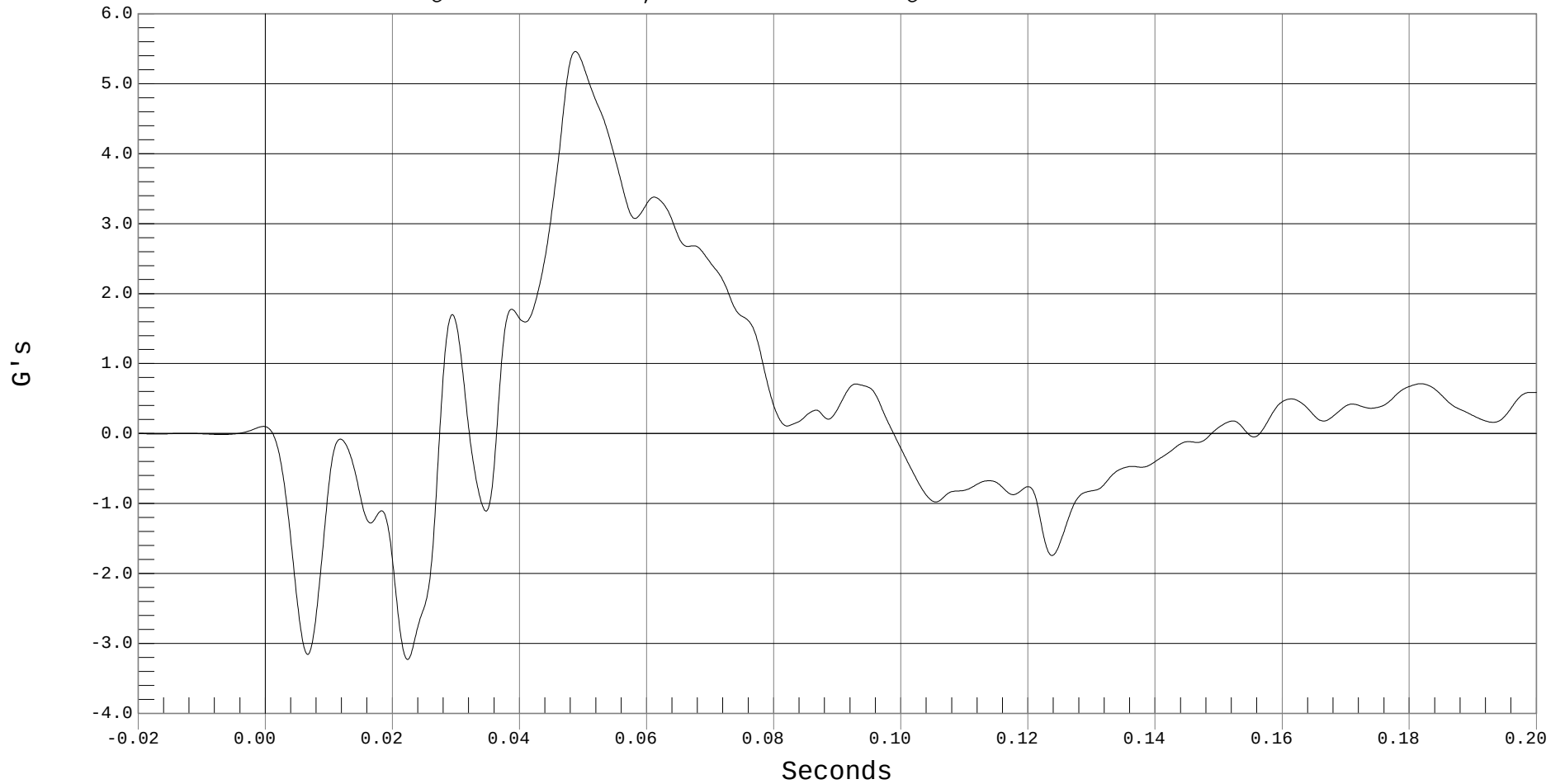
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 RIGHT REAR SILL X, B01049AF.A18

Ymin = -3.23 G's @ 0.0223 Seconds, Ymax = 5.46 G's @ 0.0487 Seconds





RIGHT SIDE SILL AT REAR SEAT X VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

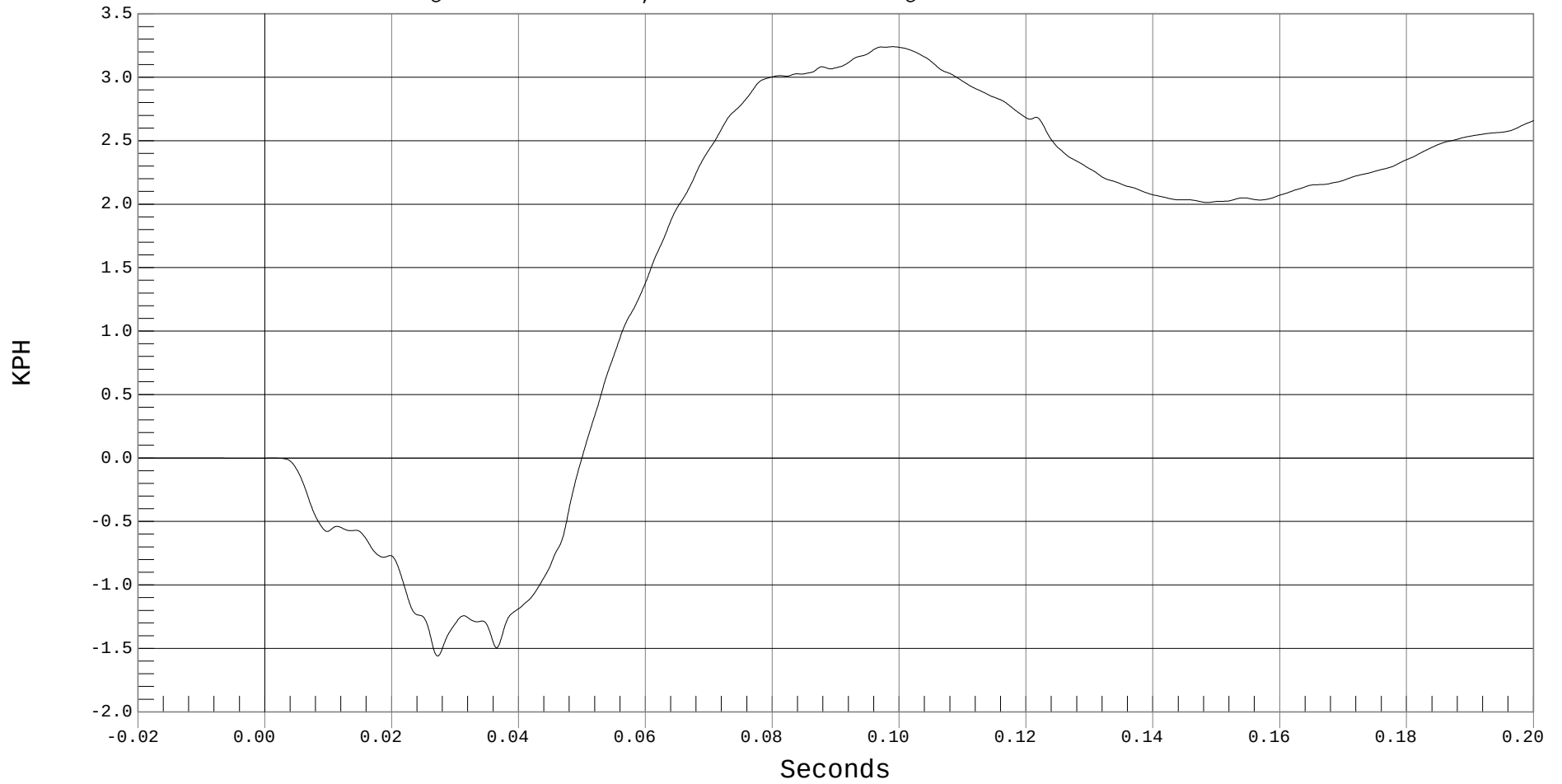
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 RIGHT SIDE SILL AT REAR SEAT X VELOCITY, B01049AI.V18

Ymin = -1.56 KPH @ 0.0272 Seconds, Ymax = 3.24 KPH @ 0.0989 Seconds





RIGHT SIDE SILL AT REAR SEAT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

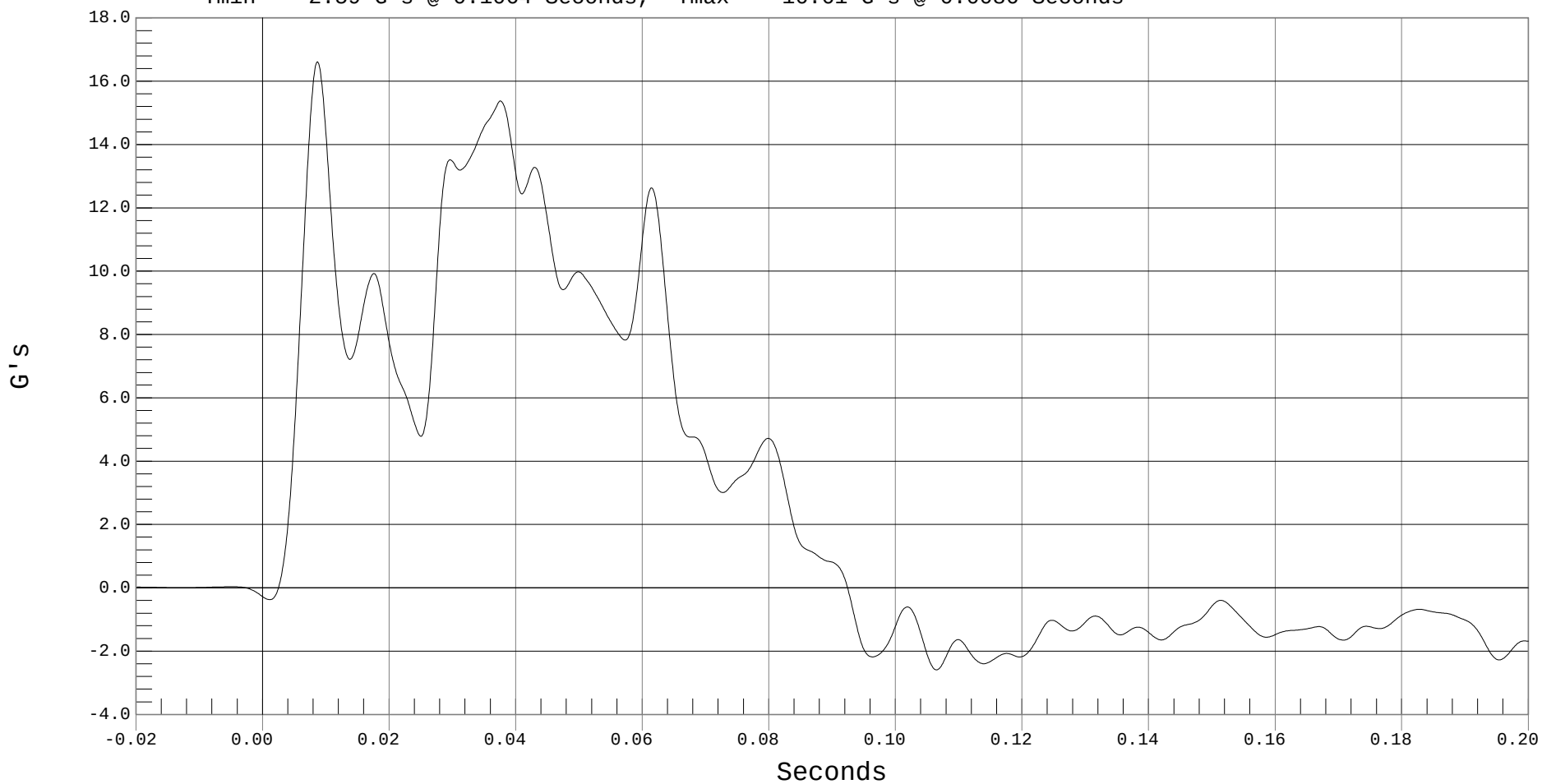
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 RIGHT REAR SILL Y, B01049AF.A19

Ymin = -2.59 G's @ 0.1064 Seconds, Ymax = 16.61 G's @ 0.0086 Seconds





RIGHT SIDE SILL AT REAR SEAT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

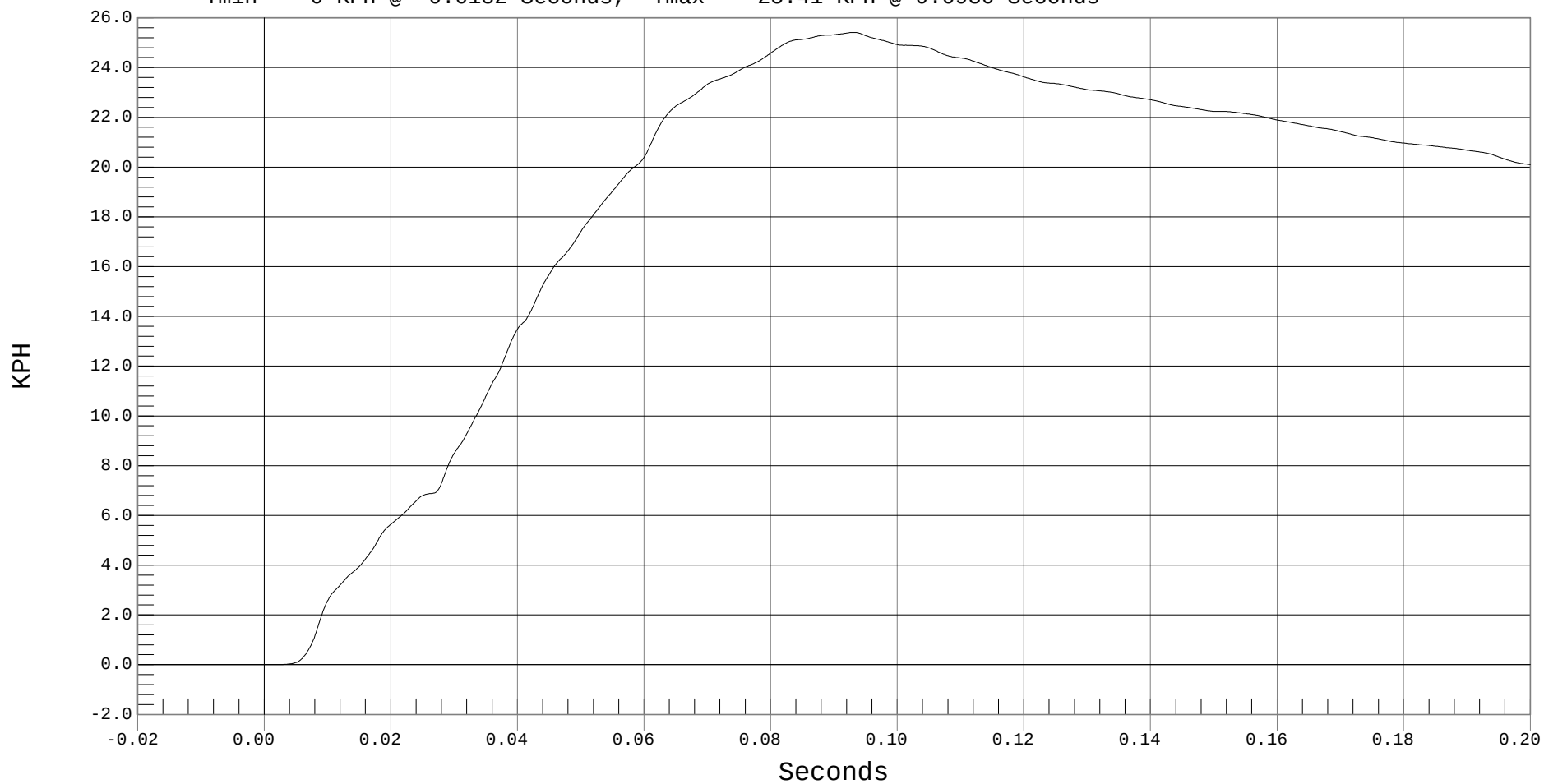
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 RIGHT SIDE SILL AT REAR SEAT Y VELOCITY, B01049AI.V19

Ymin = 0 KPH @ -0.0182 Seconds, Ymax = 25.41 KPH @ 0.0930 Seconds





RIGHT SIDE SILL AT REAR SEAT Z ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

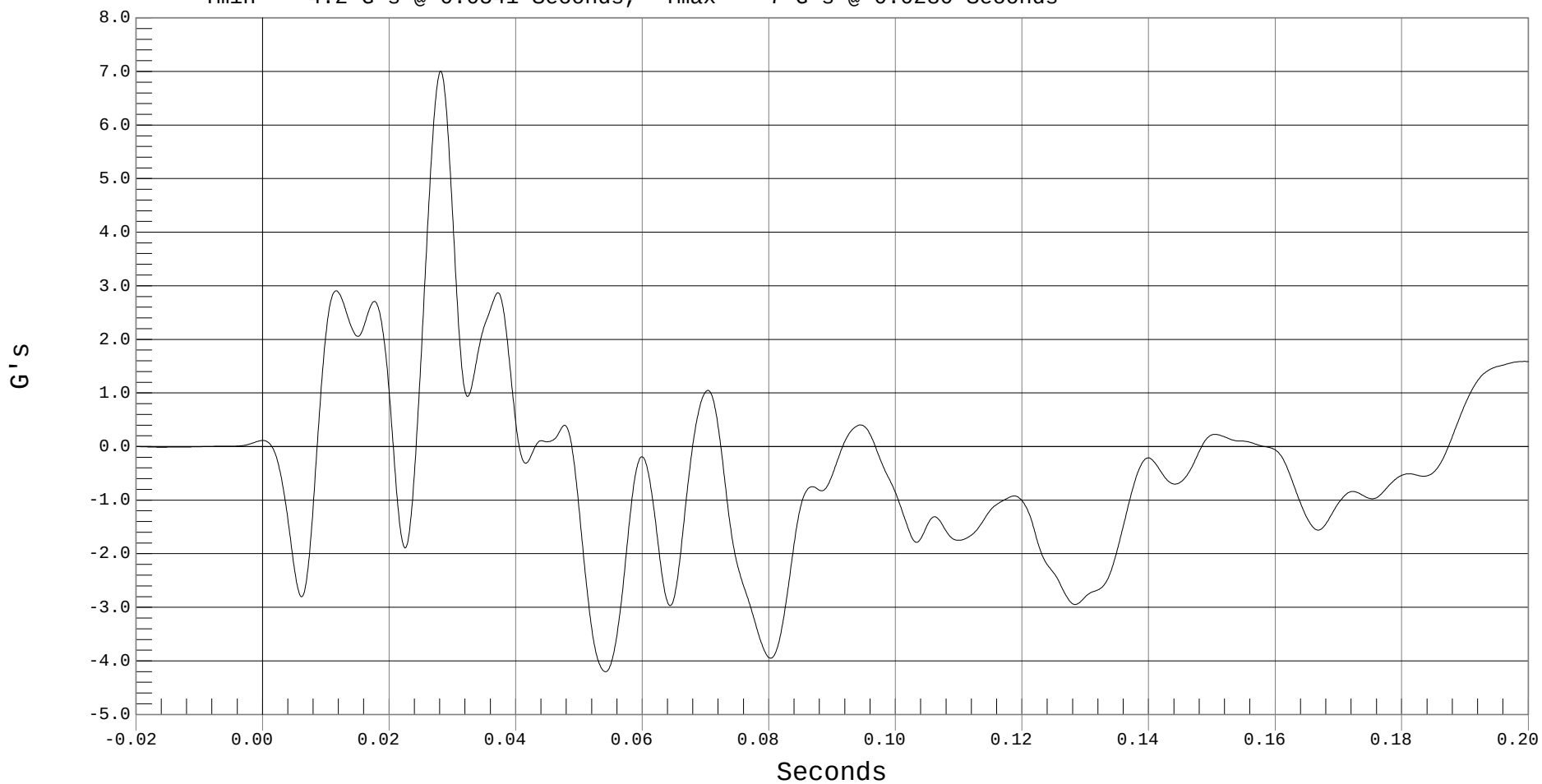
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 RIGHT REAR SILL Z, B01049AF.A20

Ymin = -4.2 G's @ 0.0541 Seconds, Ymax = 7 G's @ 0.0280 Seconds





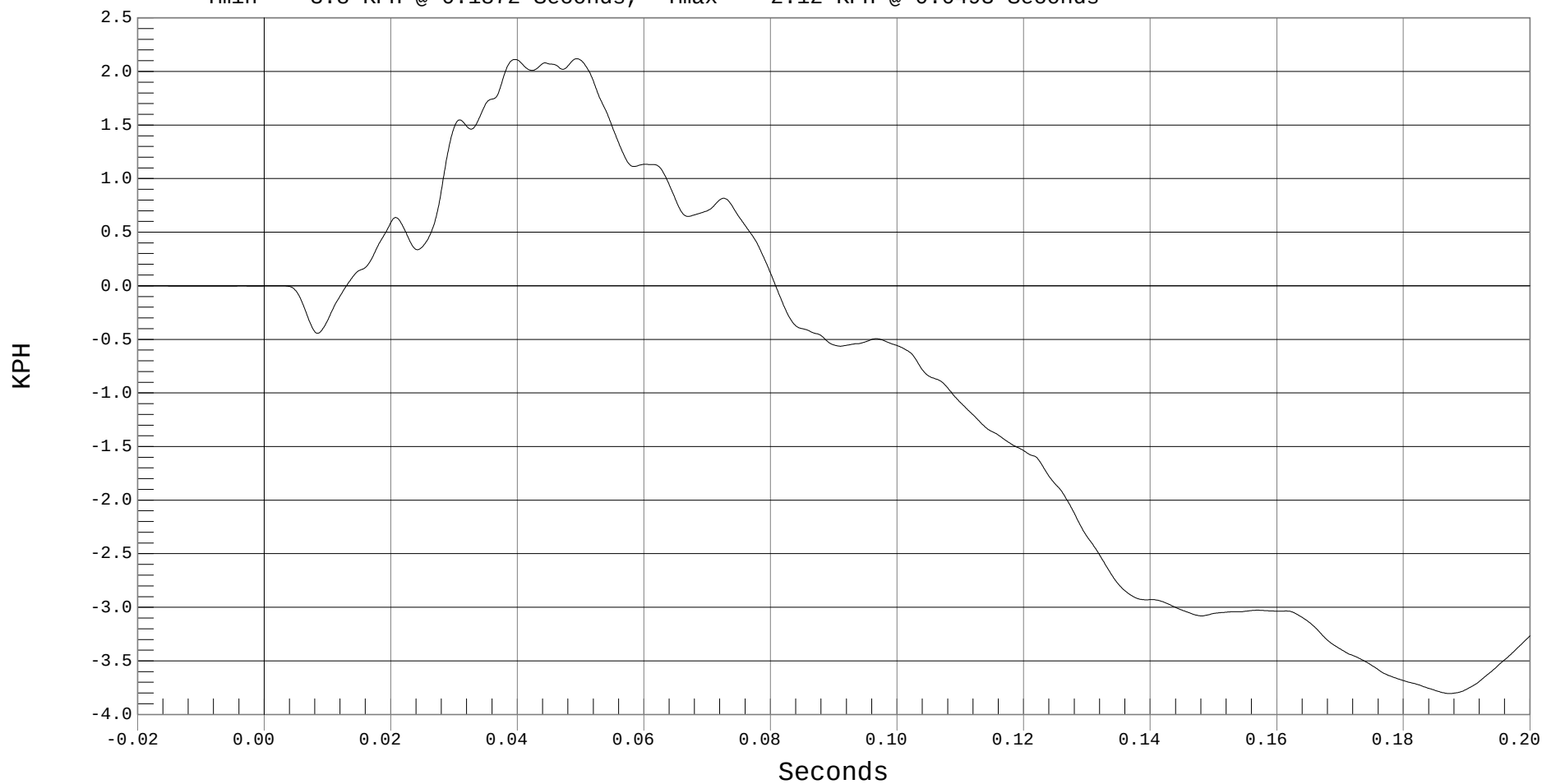
RIGHT SIDE SILL AT REAR SEAT Z VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 RIGHT SIDE SILL AT REAR SEAT Z VELOCITY, B01049AI.V20

Ymin = -3.8 KPH @ 0.1872 Seconds, Ymax = 2.12 KPH @ 0.0493 Seconds





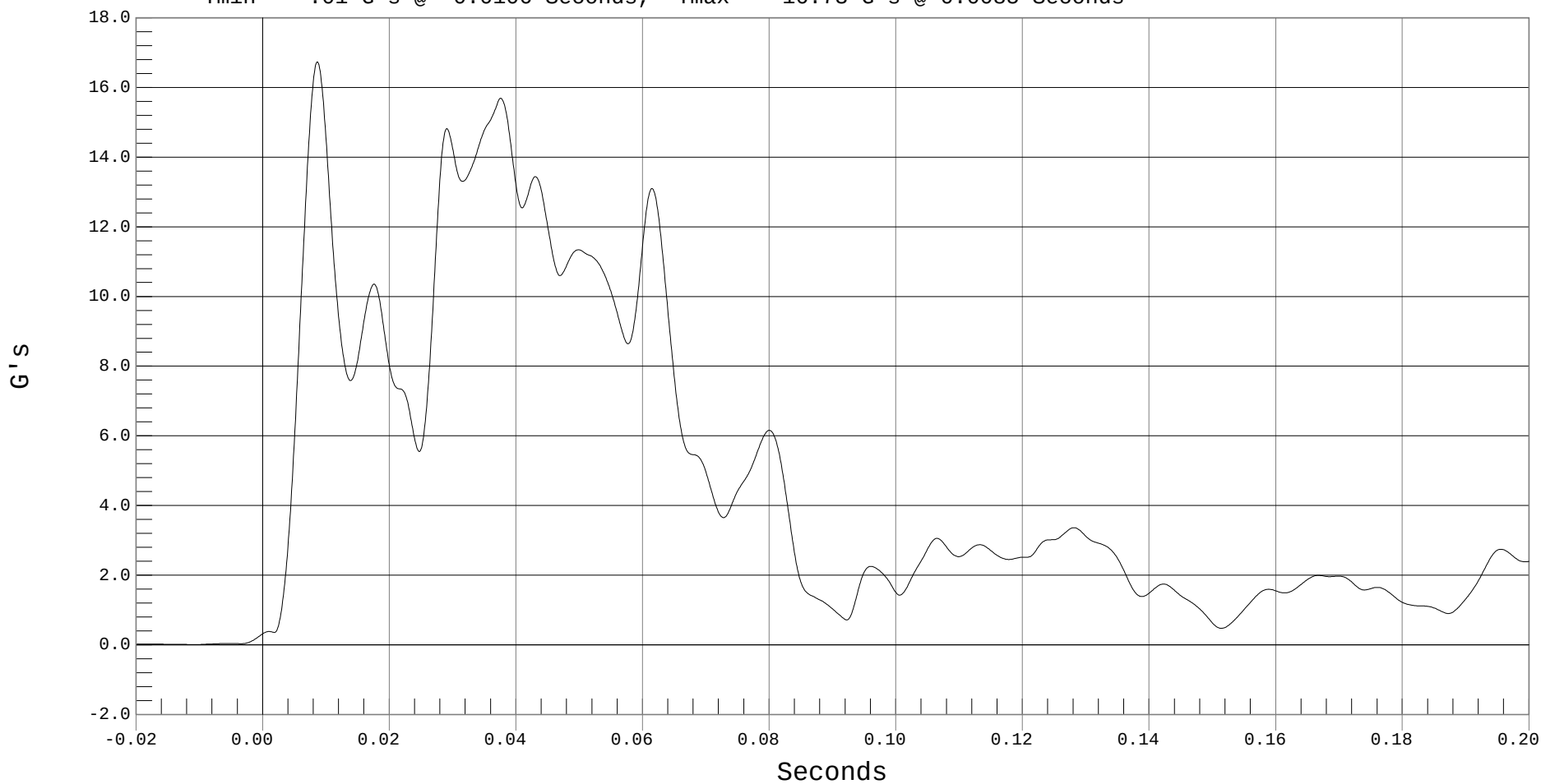
RIGHT SIDE SILL AT REAR SEAT RESULTANT ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

1 RIGHT SIDE SILL AT REAR SEAT RESULTANT ACCELERATION, B01049AV.A18

Ymin = .01 G's @ -0.0106 Seconds, Ymax = 16.73 G's @ 0.0085 Seconds





REAR FLOORPAN ABOVE AXLE X ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

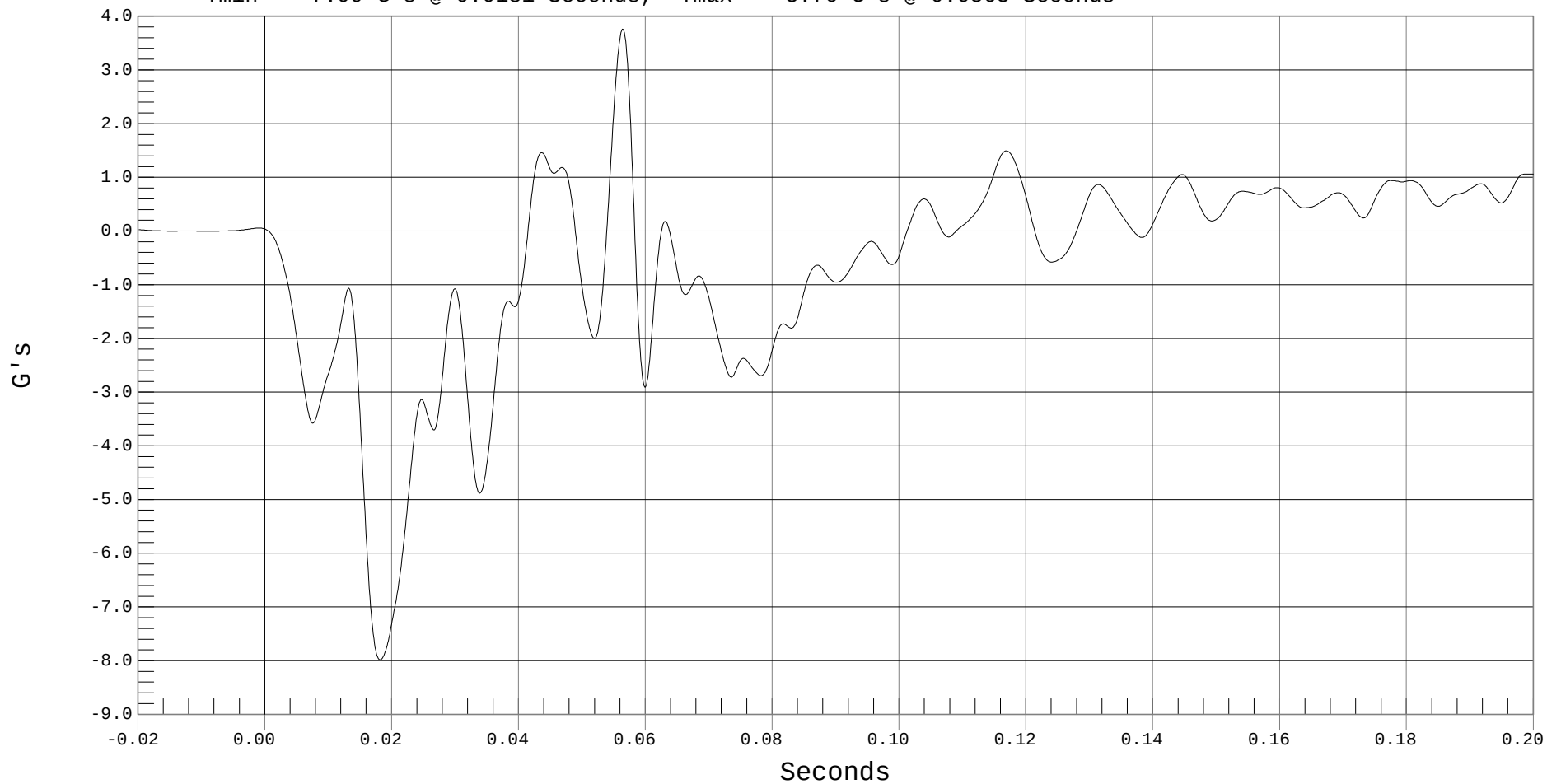
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 FLOORPAN @ REAR AXLE X, B01049AF.A23

Ymin = -7.99 G's @ 0.0181 Seconds, Ymax = 3.76 G's @ 0.0563 Seconds





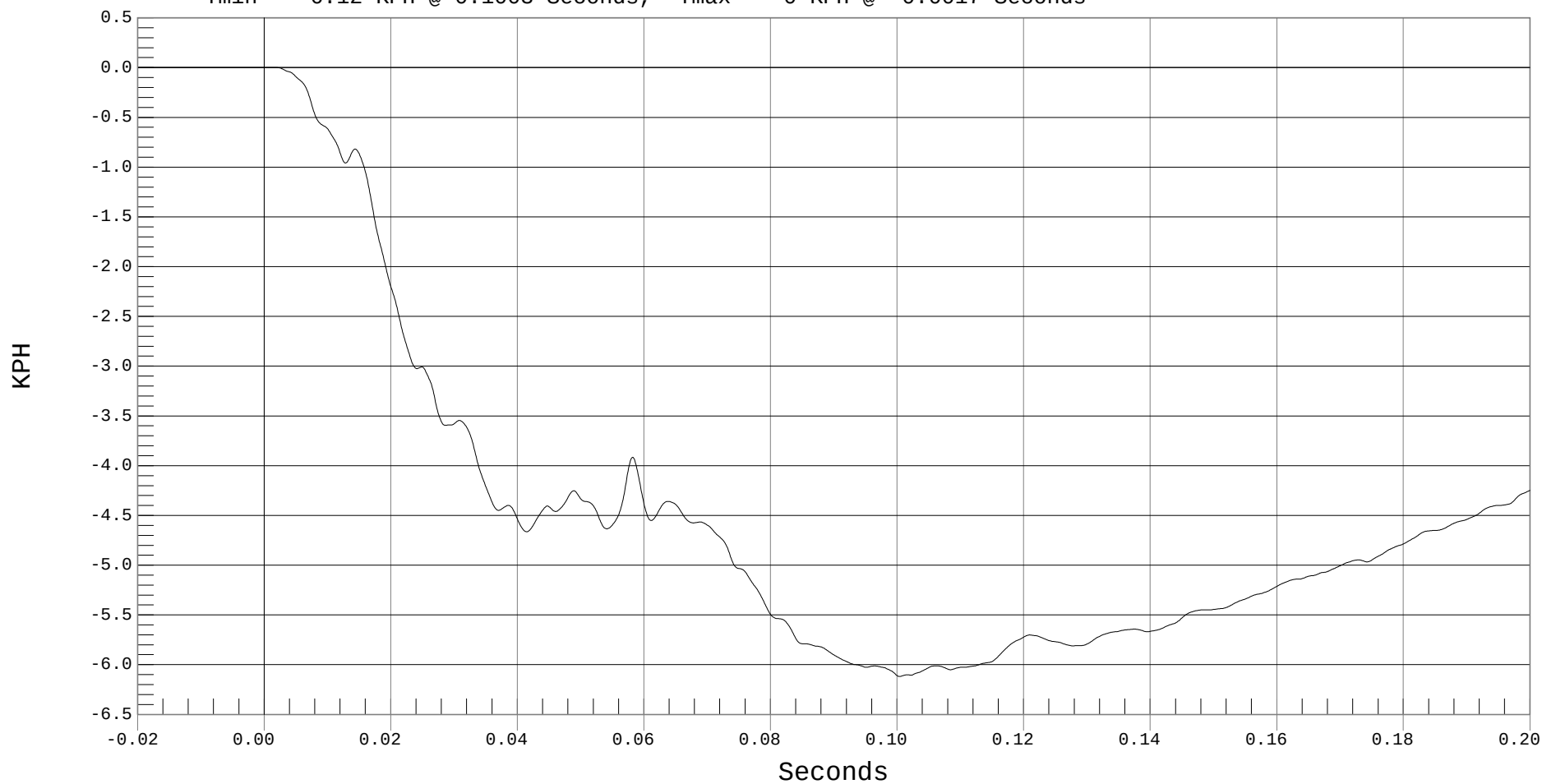
REAR FLOORPAN ABOVE AXLE X VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

1 REAR FLOORPAN ABOVE AXLE X VELOCITY, B01049AI.V23

Ymin = -6.12 KPH @ 0.1003 Seconds, Ymax = 0 KPH @ -0.0017 Seconds





REAR FLOORPAN ABOVE AXLE Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

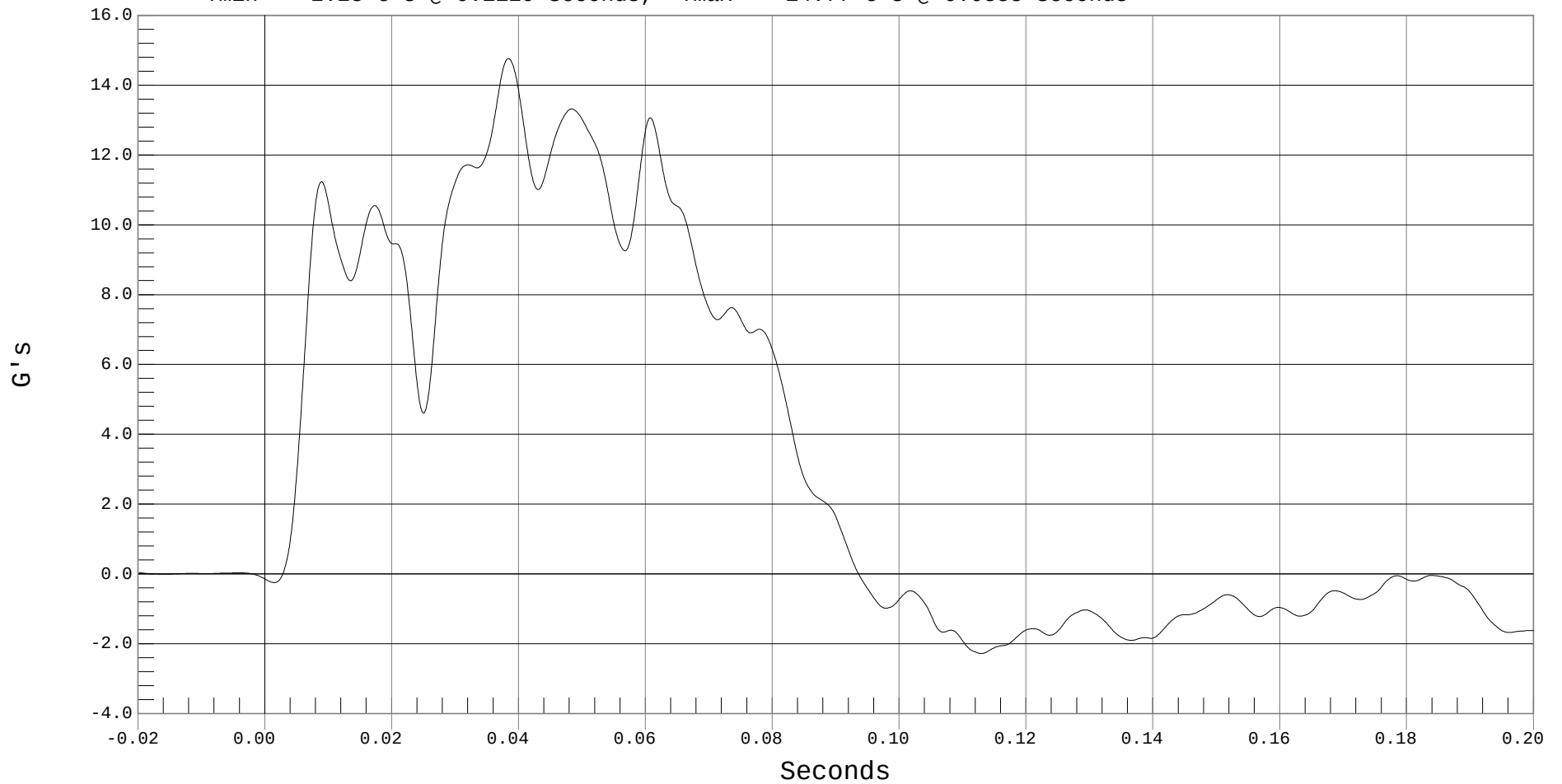
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 FLOORPAN @ REAR AXLE Y, B01049AF.A24

Ymin = -2.28 G's @ 0.1129 Seconds, Ymax = 14.77 G's @ 0.0383 Seconds





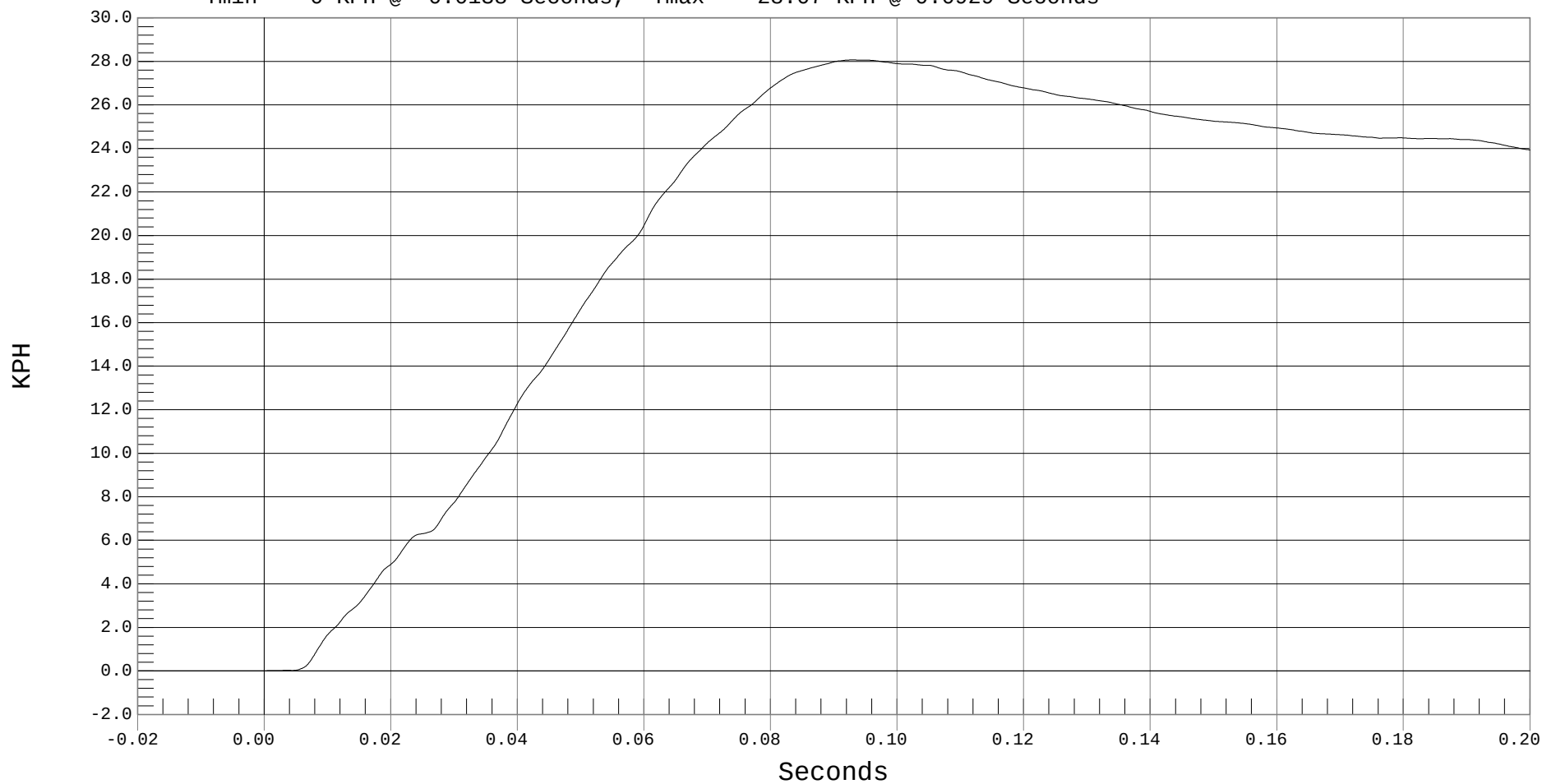
REAR FLOORPAN ABOVE AXLE Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

1 REAR FLOORPAN ABOVE AXLE Y VELOCITY, B01049AI.V24

Ymin = 0 KPH @ -0.0138 Seconds, Ymax = 28.07 KPH @ 0.0929 Seconds





REAR FLOORPAN ABOVE AXLE Z ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

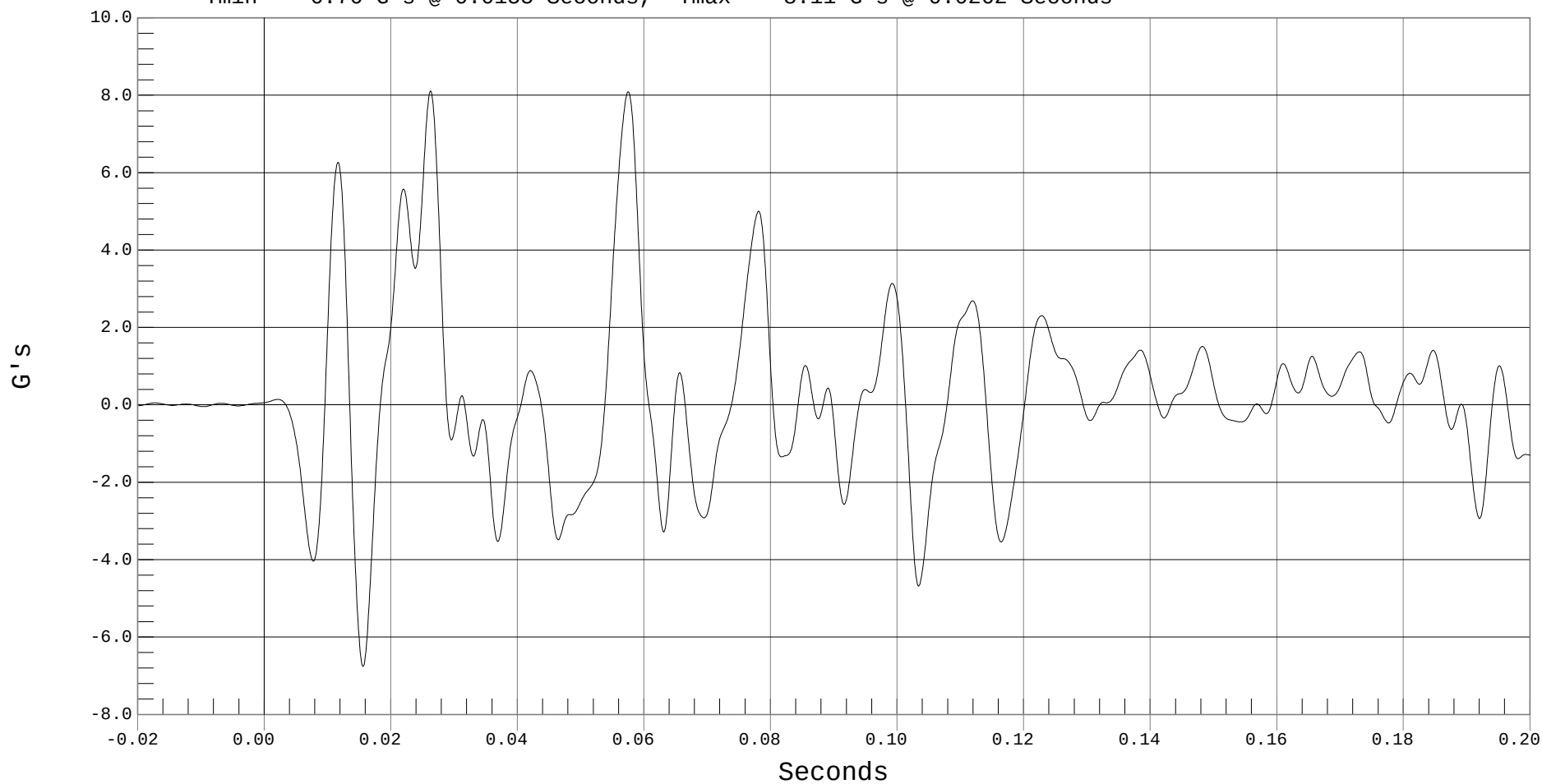
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 FLOORPAN @ REAR AXLE Z, B01049AF.A25

Ymin = -6.76 G's @ 0.0155 Seconds, Ymax = 8.11 G's @ 0.0262 Seconds





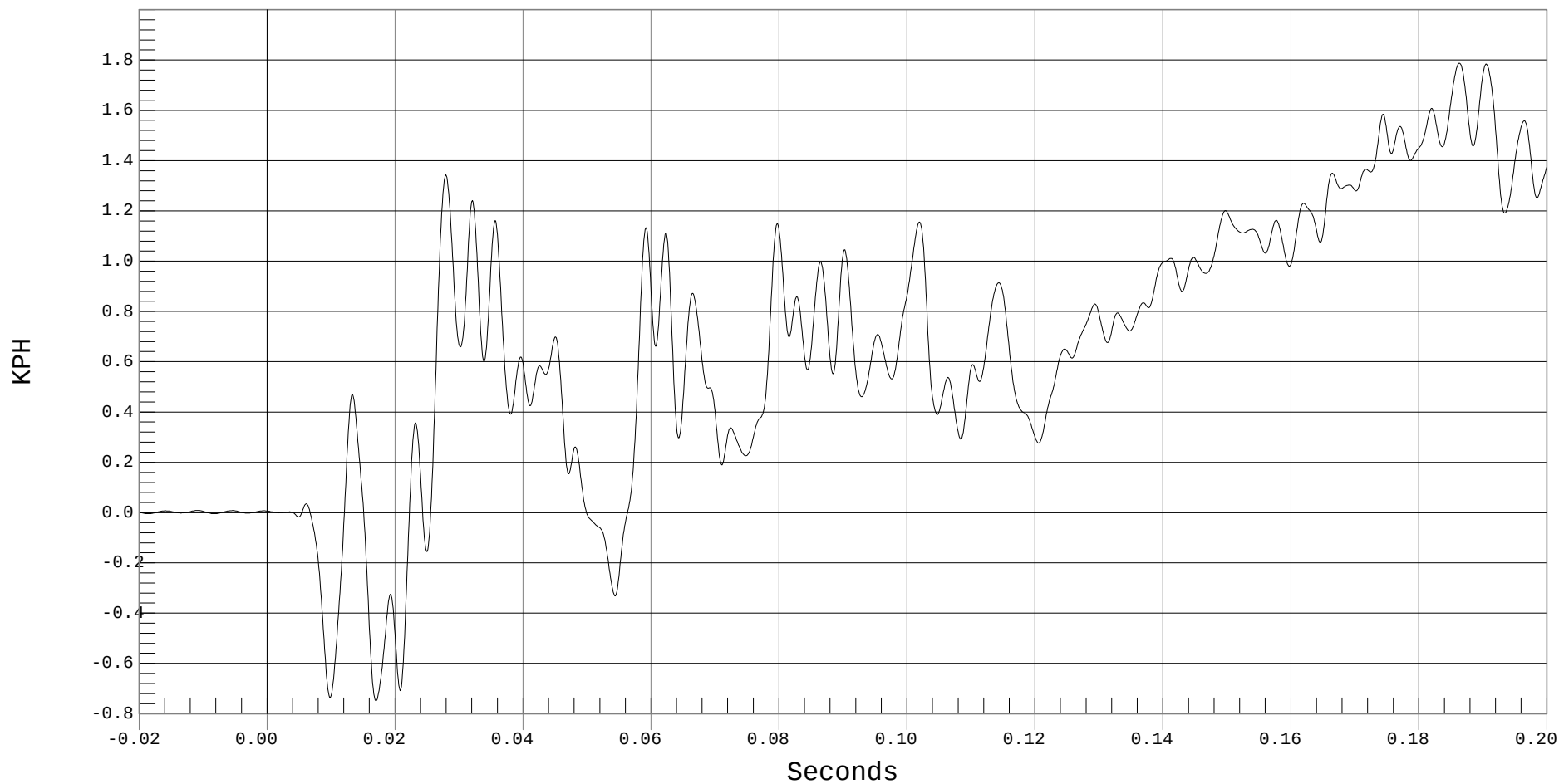
REAR FLOORPAN ABOVE AXLE Z VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

1 REAR FLOORPAN ABOVE AXLE Z VELOCITY, B01049AI.V25

Ymin = -.75 KPH @ 0.0169 Seconds, Ymax = 1.79 KPH @ 0.1862 Seconds





REAR FLOORPAN ABOVE AXLE RESULTANT ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

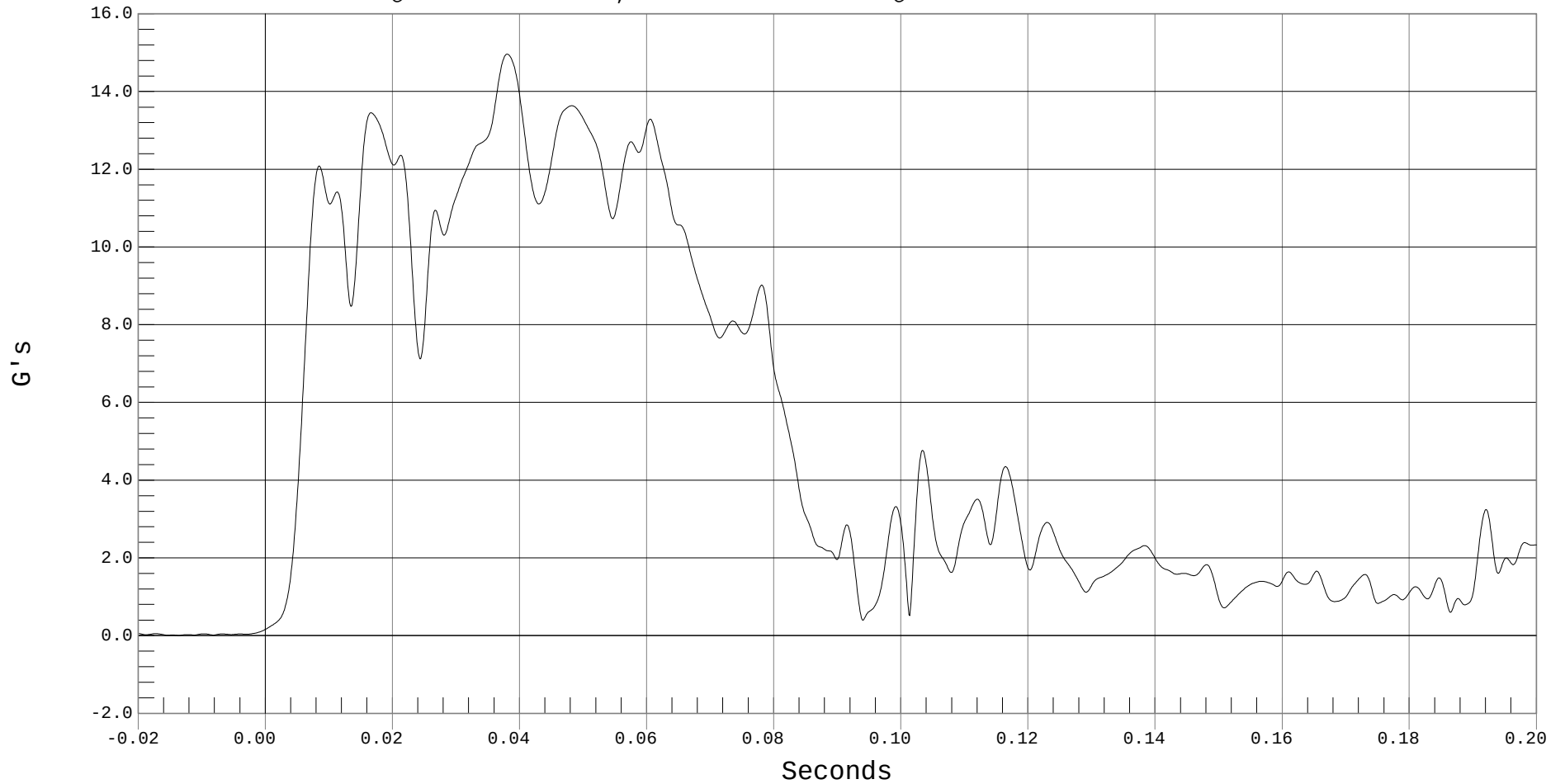
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

1 REAR FLOORPAN ABOVE AXLE RESULTANT ACCELERATION, B01049AV.A23

Ymin = 0 G's @ -0.0137 Seconds, Ymax = 14.96 G's @ 0.0380 Seconds





LEFT SIDE SILL AT FRONT SEAT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

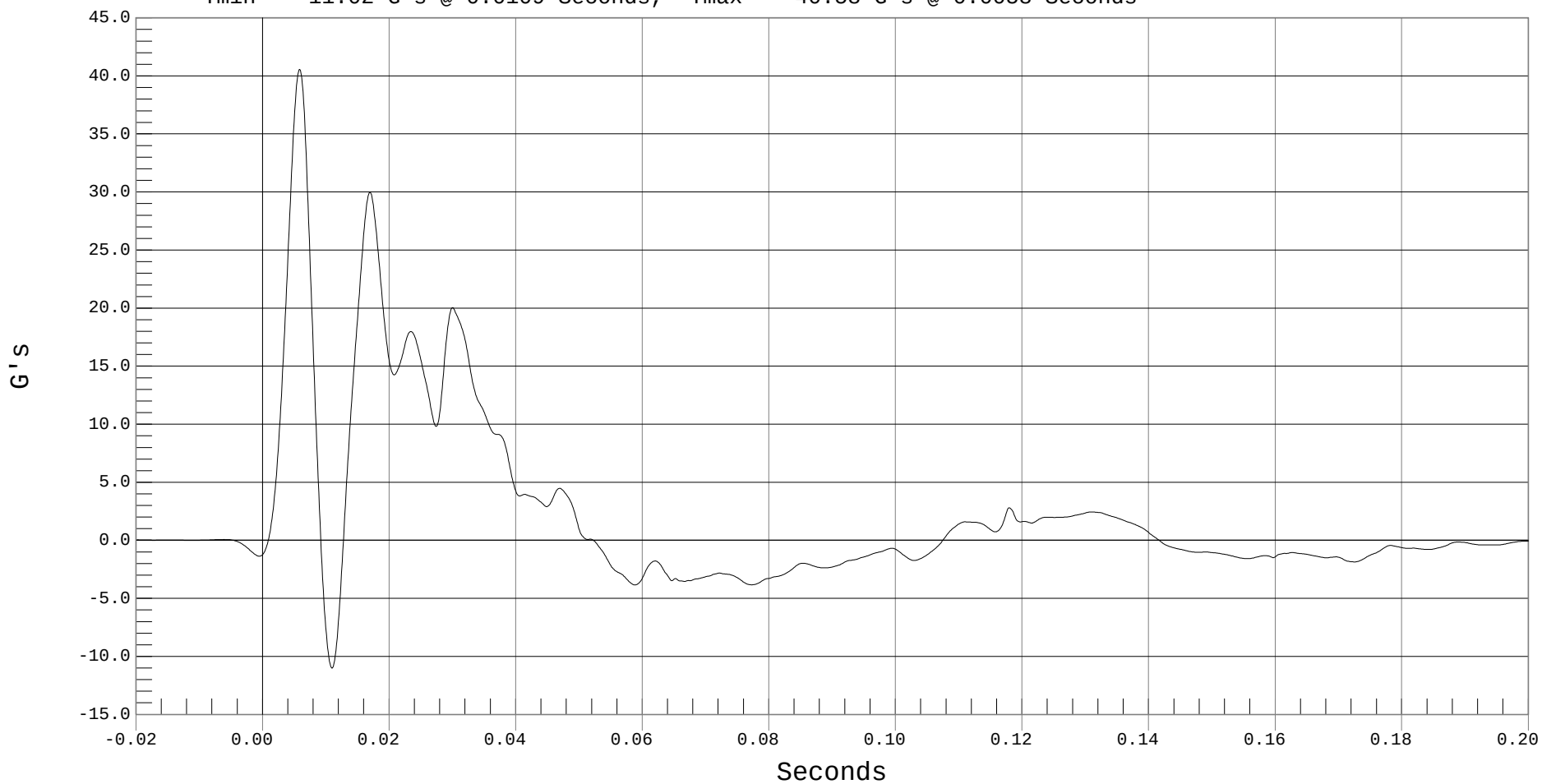
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 LEFT FRONT SILL Y, B01049AF.A21

Ymin = -11.02 G's @ 0.0109 Seconds, Ymax = 40.58 G's @ 0.0058 Seconds





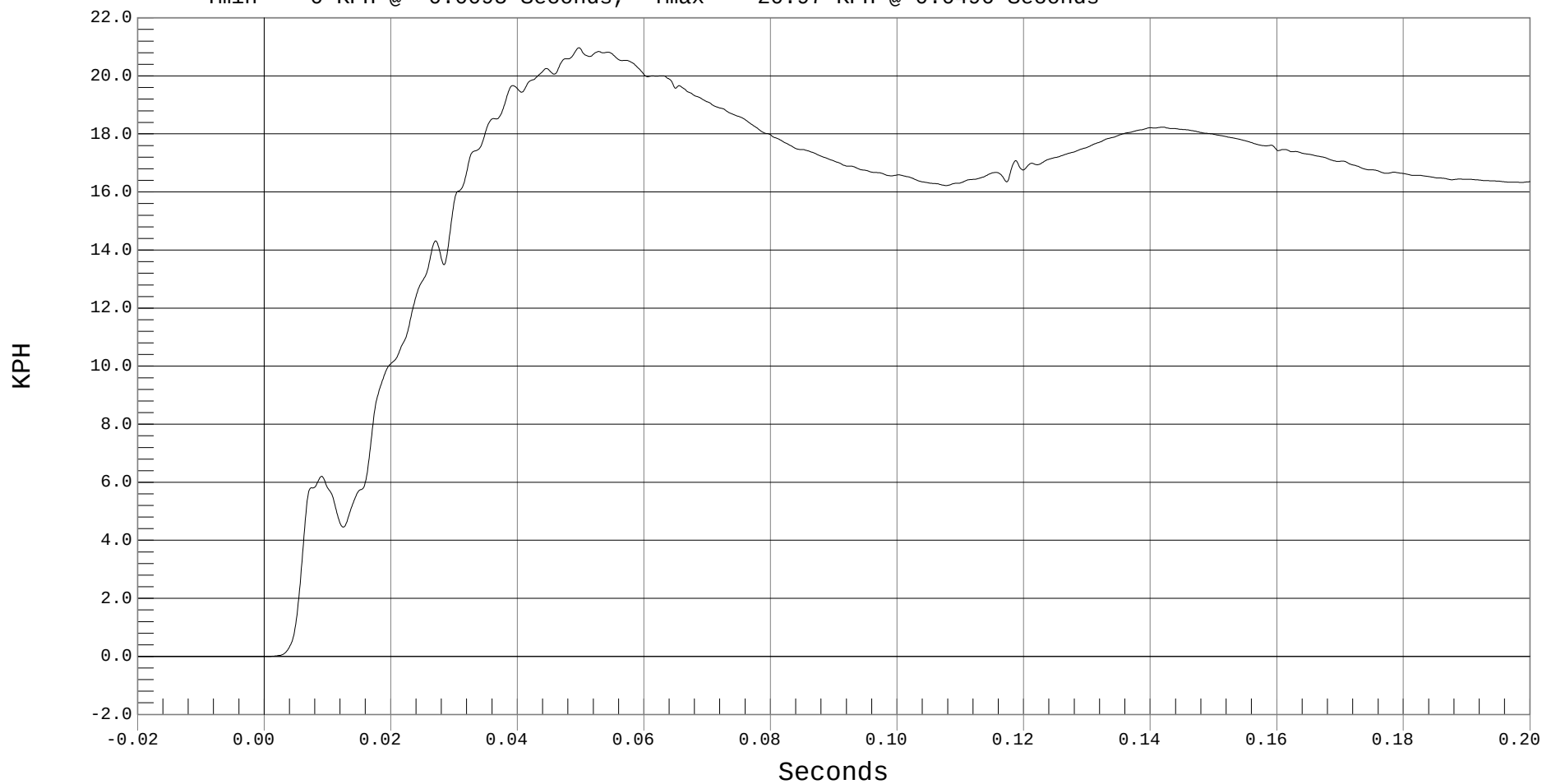
LEFT SIDE SILL AT FRONT SEAT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 LEFT SIDE SILL AT FRONT SEAT Y VELOCITY, B01049AI.V21

Ymin = 0 KPH @ -0.0095 Seconds, Ymax = 20.97 KPH @ 0.0496 Seconds





LEFT SIDE SILL AT REAR SEAT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

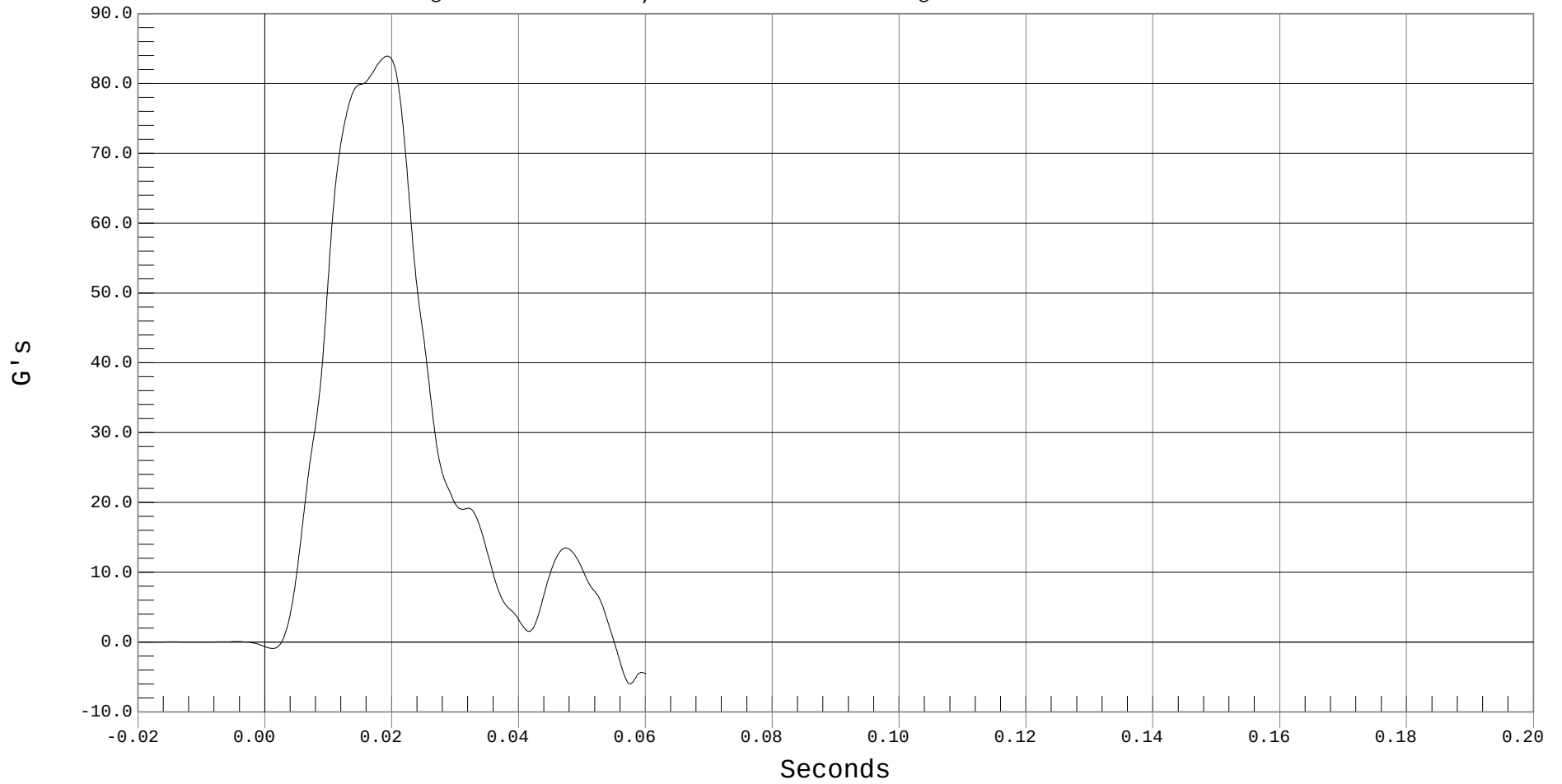
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 LEFT REAR SILL Y, B01049AF.A22

Ymin = -5.99 G's @ 0.0575 Seconds, Ymax = 83.93 G's @ 0.0192 Seconds





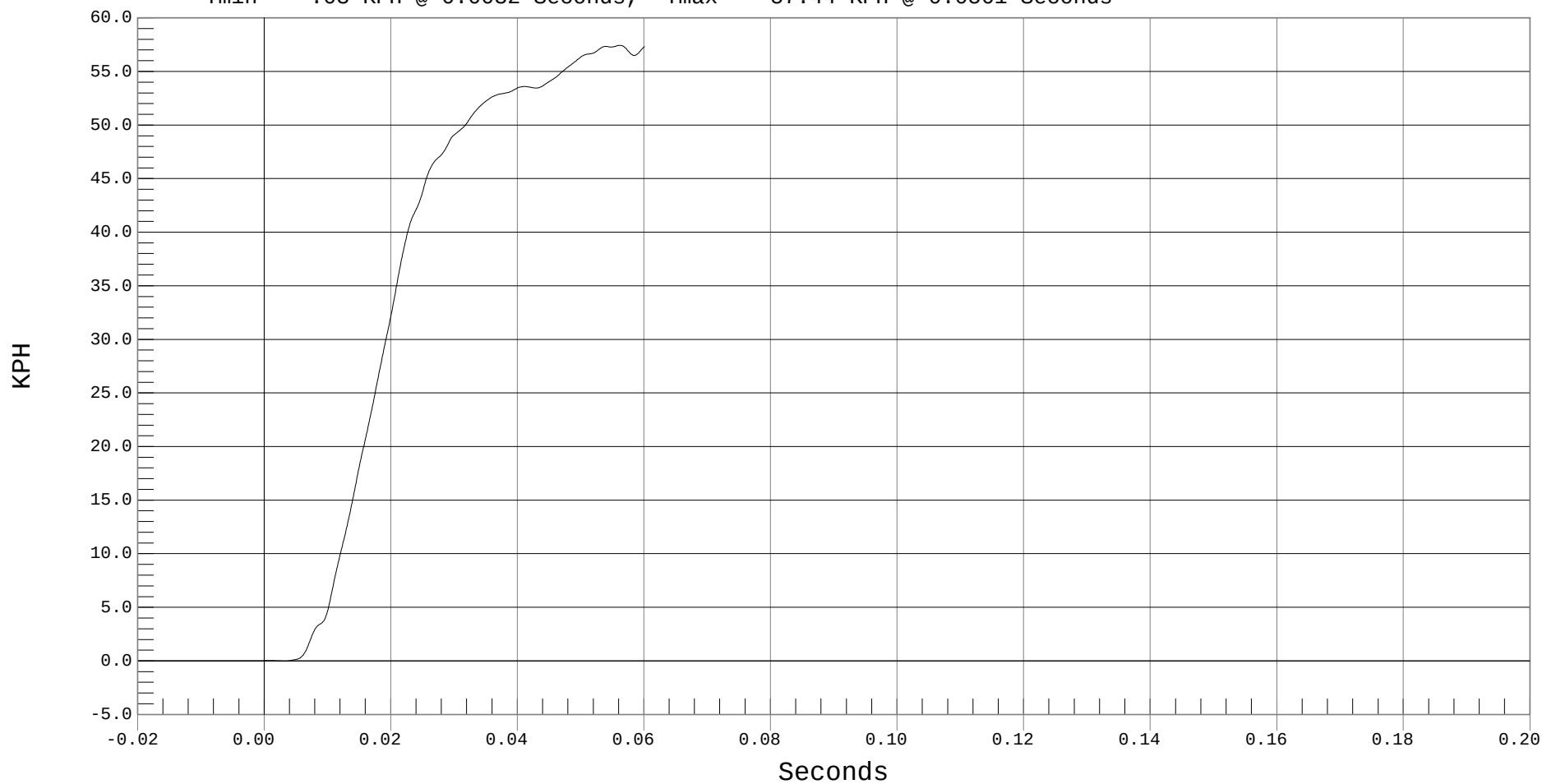
LEFT SIDE SILL AT REAR SEAT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 LEFT SIDE SILL AT REAR SEAT Y VELOCITY, B01049AI.V22

Ymin = -.03 KPH @ 0.0032 Seconds, Ymax = 57.44 KPH @ 0.0561 Seconds





RIGHT REAR OCCUPANT COMPARTMENT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

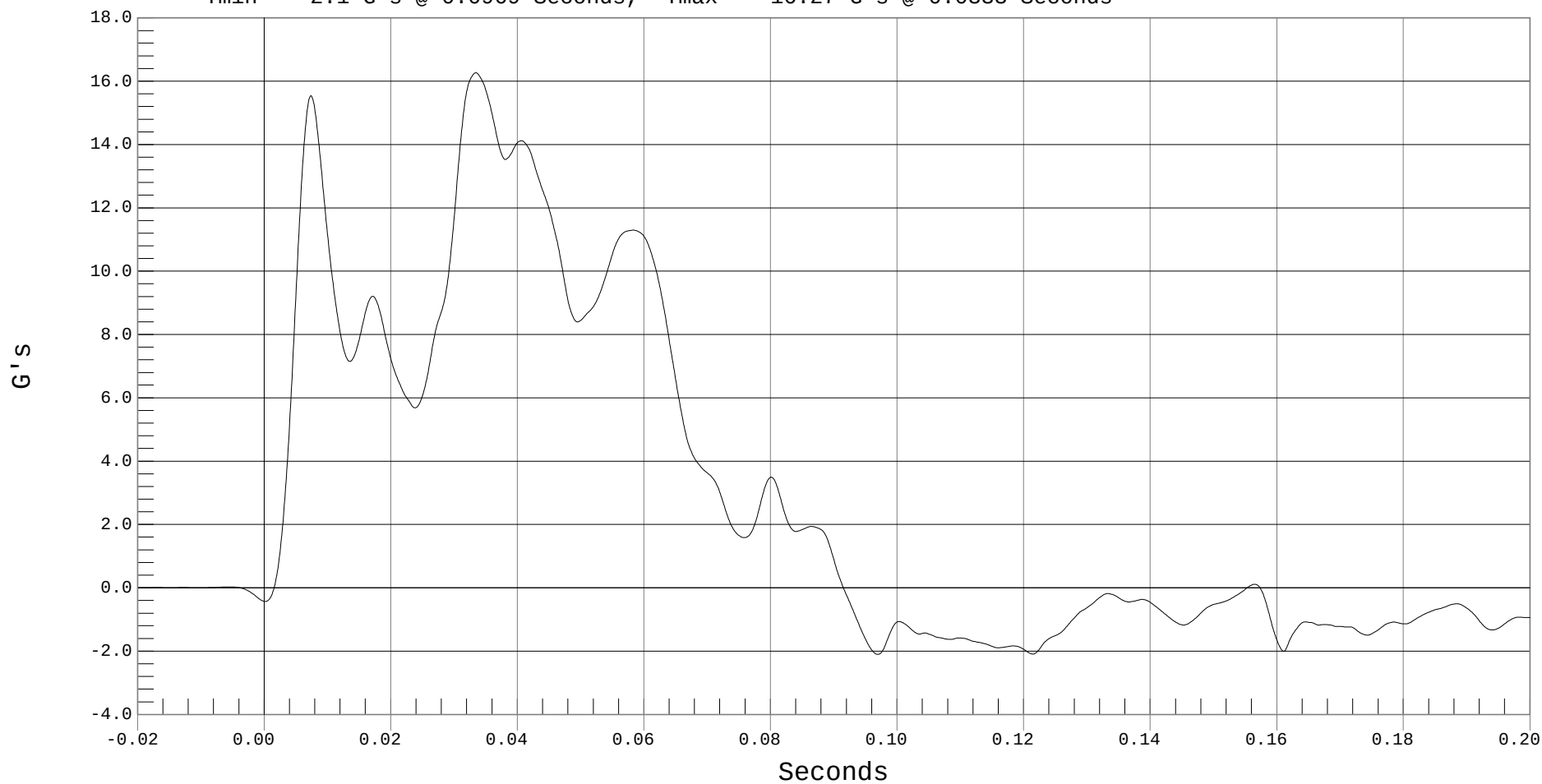
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 RIGHT REAR OCCUPANT COMPARTMENT Y, B01049AF.A31

Ymin = -2.1 G's @ 0.0969 Seconds, Ymax = 16.27 G's @ 0.0333 Seconds





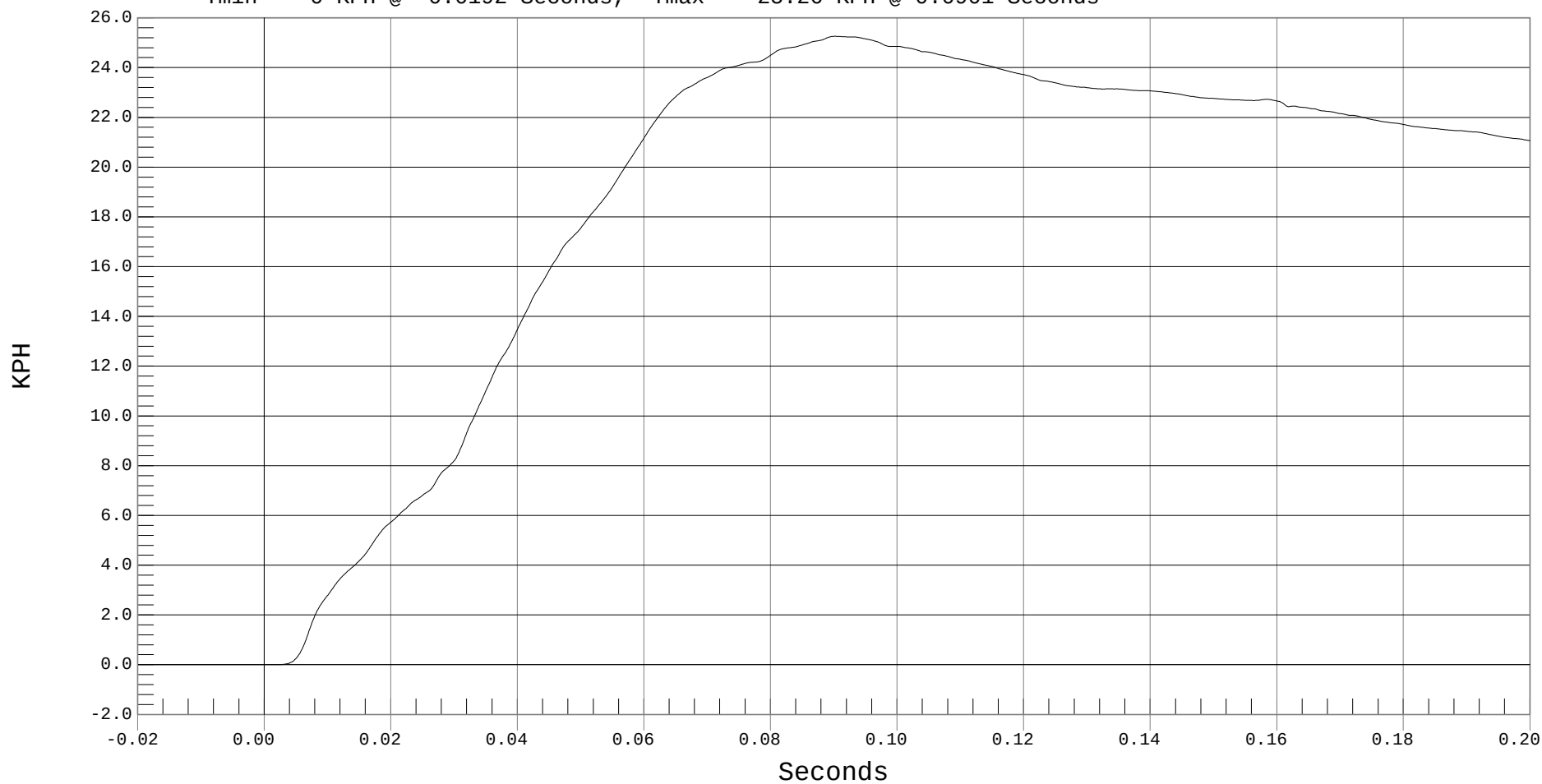
RIGHT REAR OCCUPANT COMPARTMENT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 RIGHT REAR OCCUPANT COMPARTMENT Y VELOCITY, B01049AI.V31

Ymin = 0 KPH @ -0.0192 Seconds, Ymax = 25.26 KPH @ 0.0901 Seconds





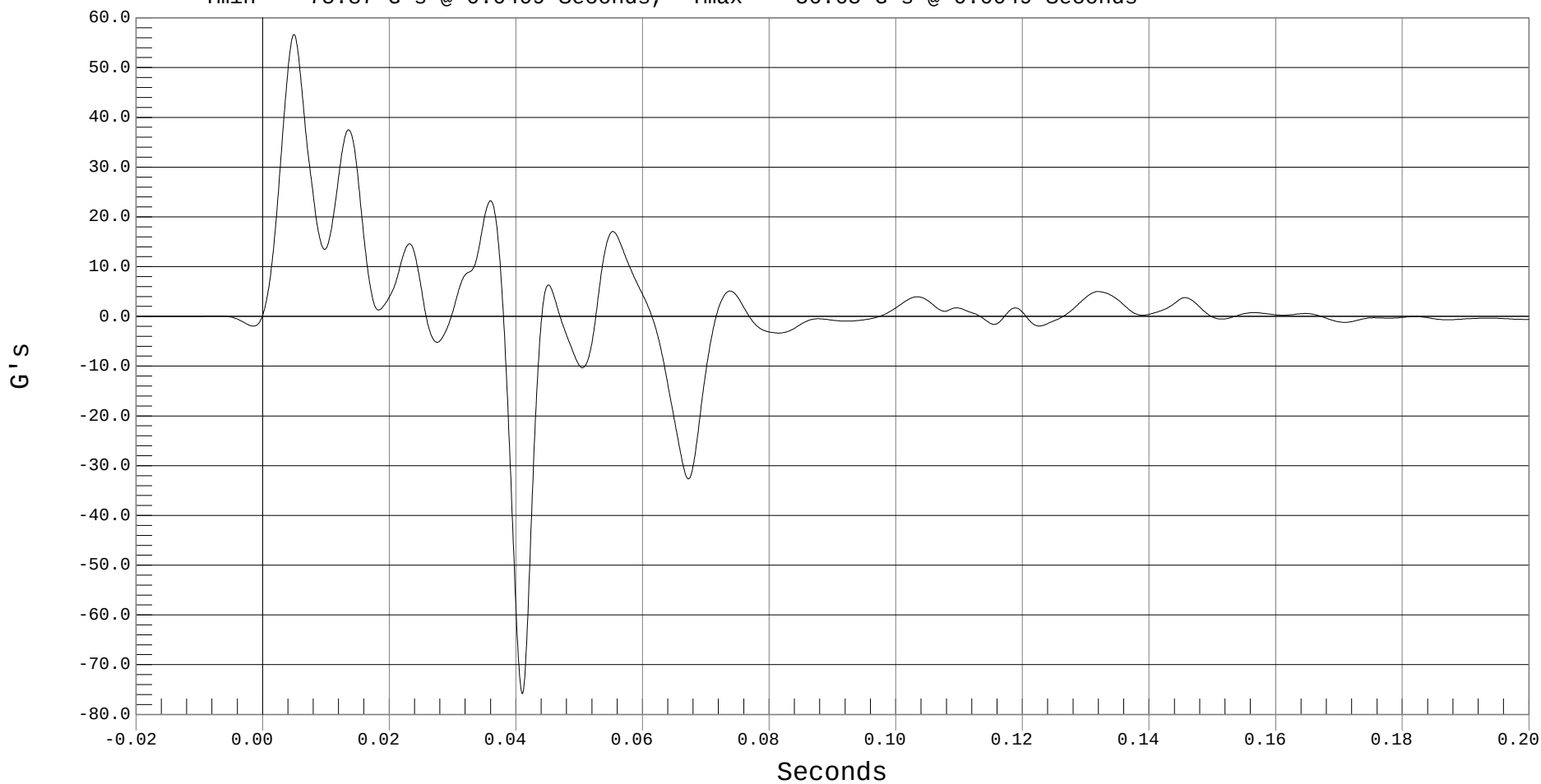
LEFT LOWER A-POST Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

1 LEFT LOWER A-POST Y, B01049AF.A27

Ymin = -75.87 G's @ 0.0409 Seconds, Ymax = 56.65 G's @ 0.0049 Seconds





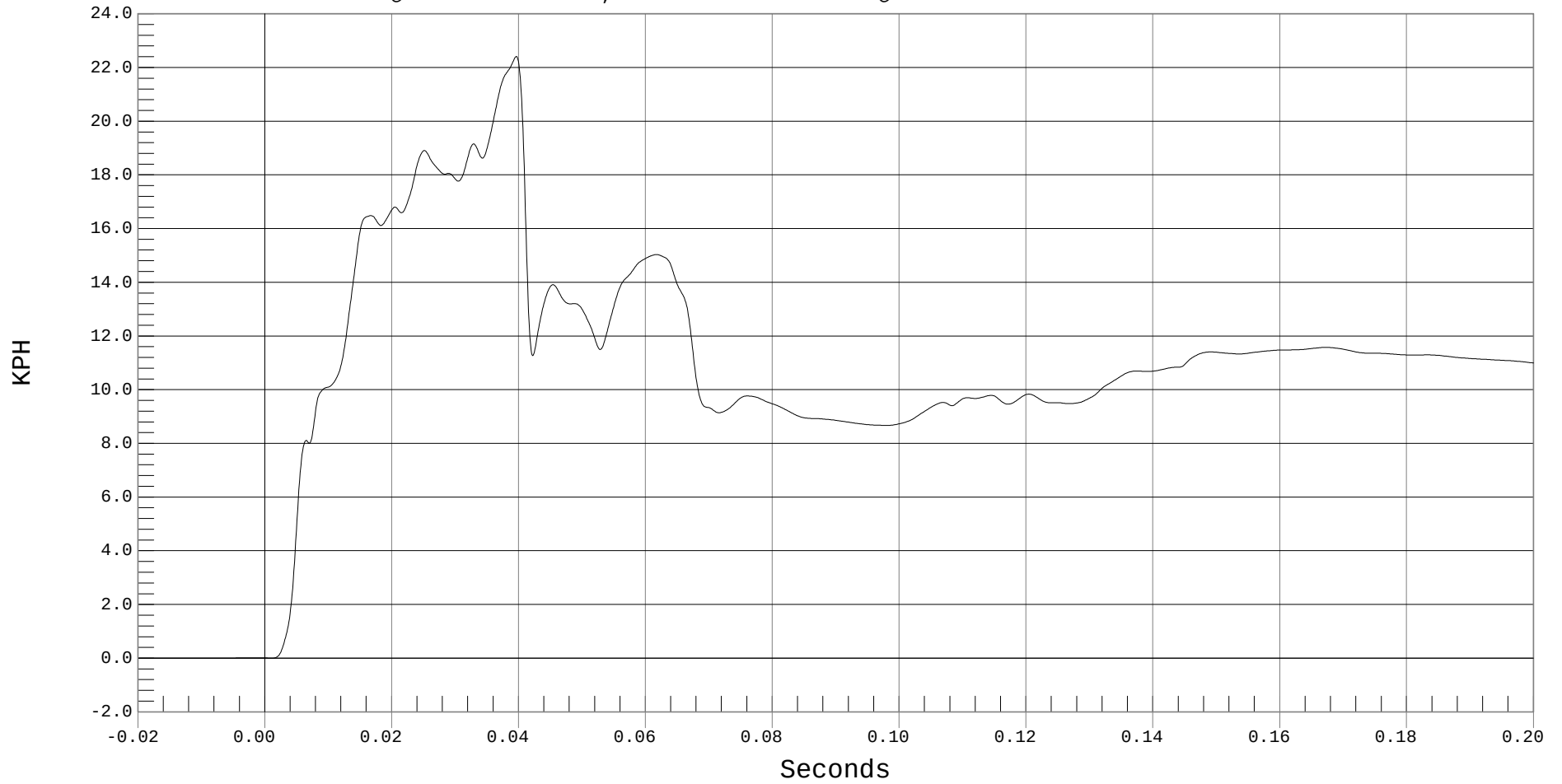
LEFT LOWER A-POST Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 LEFT LOWER A-POST Y VELOCITY, B01049AI.V27

Ymin = 0 KPH @ 0.0010 Seconds, Ymax = 22.41 KPH @ 0.0396 Seconds





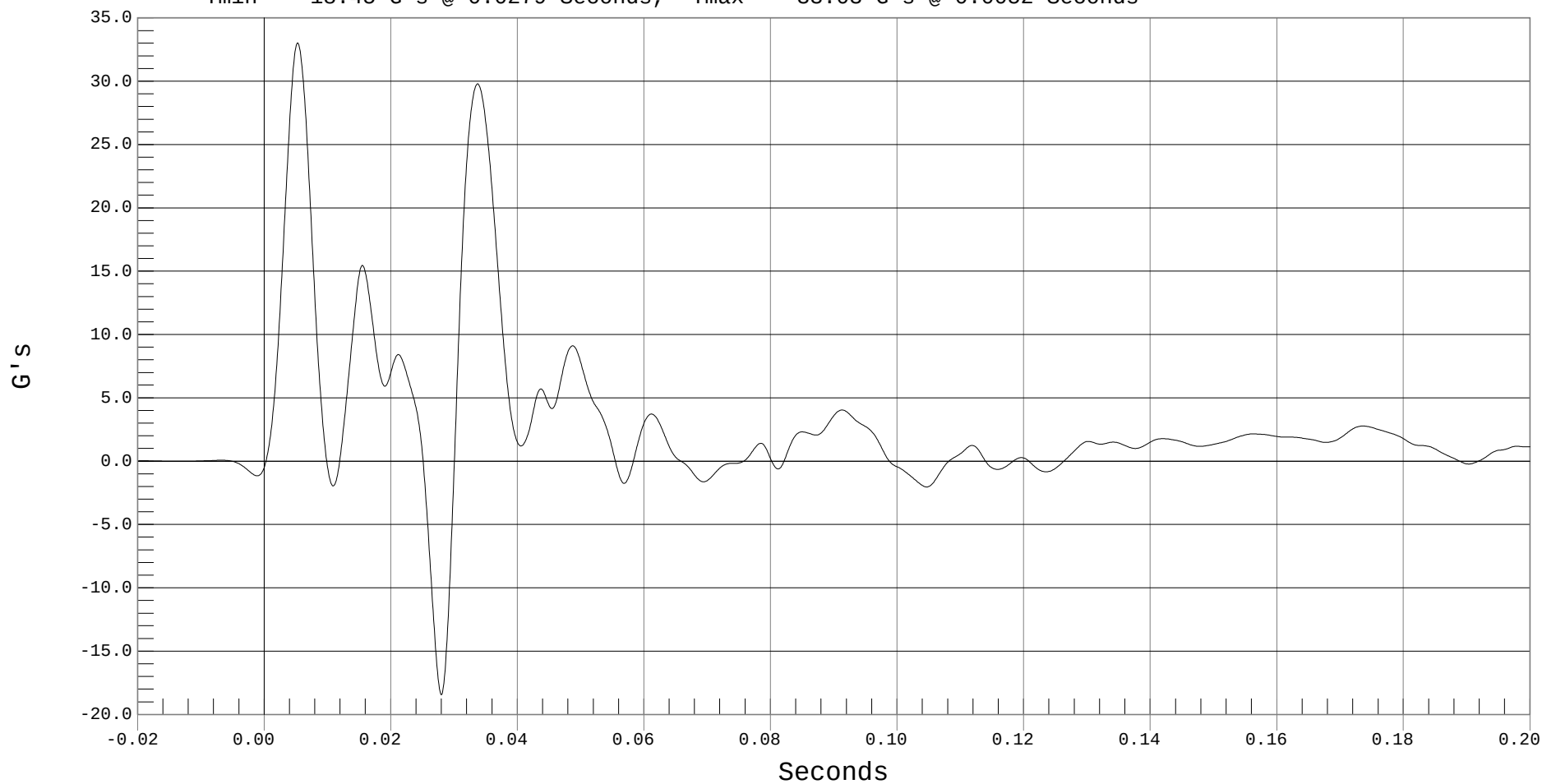
LEFT MID A-POST Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 LEFT MID A-POST Y, B01049AF.A26

Ymin = -18.45 G's @ 0.0279 Seconds, Ymax = 33.03 G's @ 0.0052 Seconds





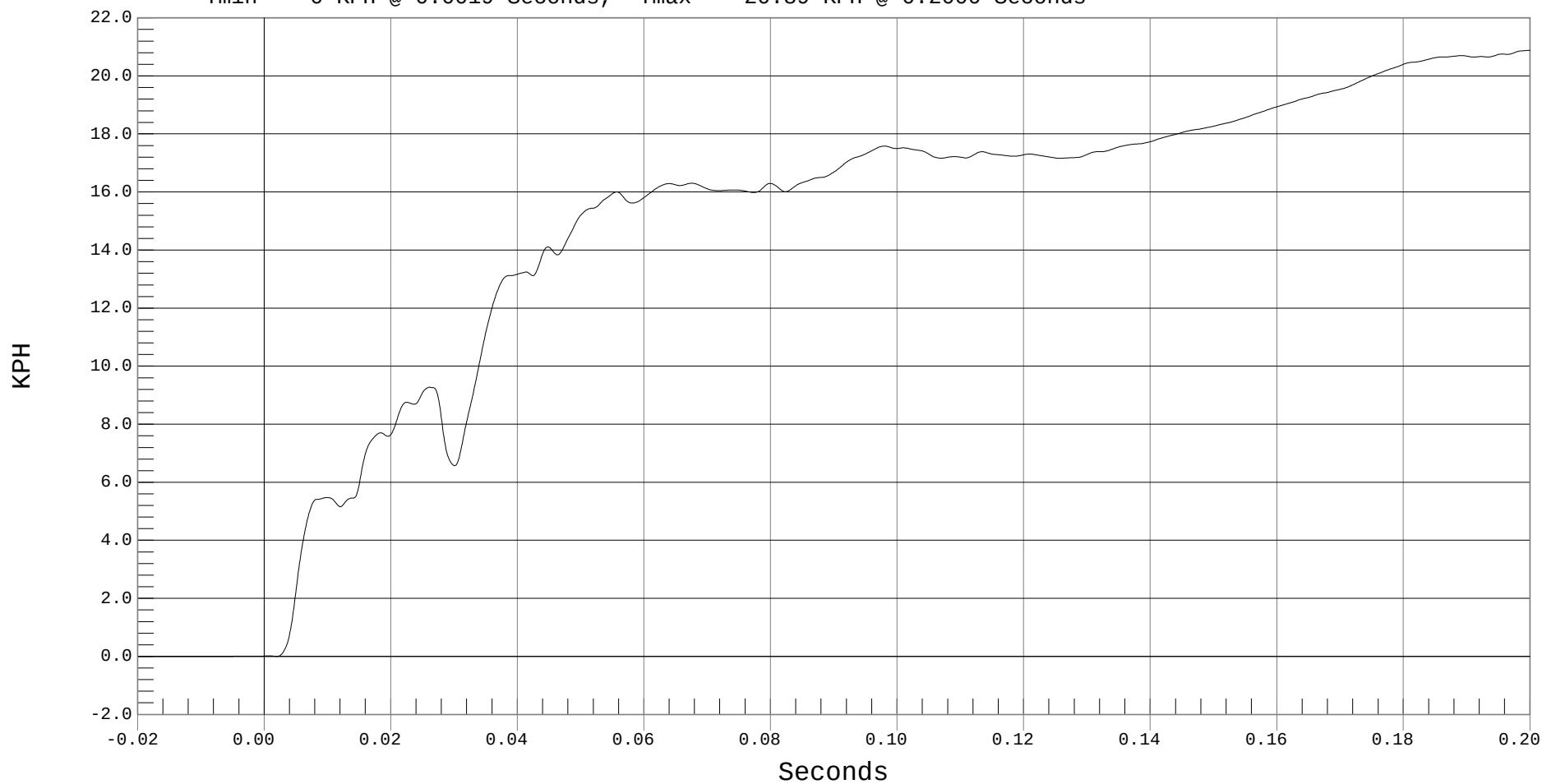
LEFT MID A-POST Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 LEFT MID A-POST Y VELOCITY, B01049AI.V26

Ymin = 0 KPH @ 0.0019 Seconds, Ymax = 20.89 KPH @ 0.2000 Seconds





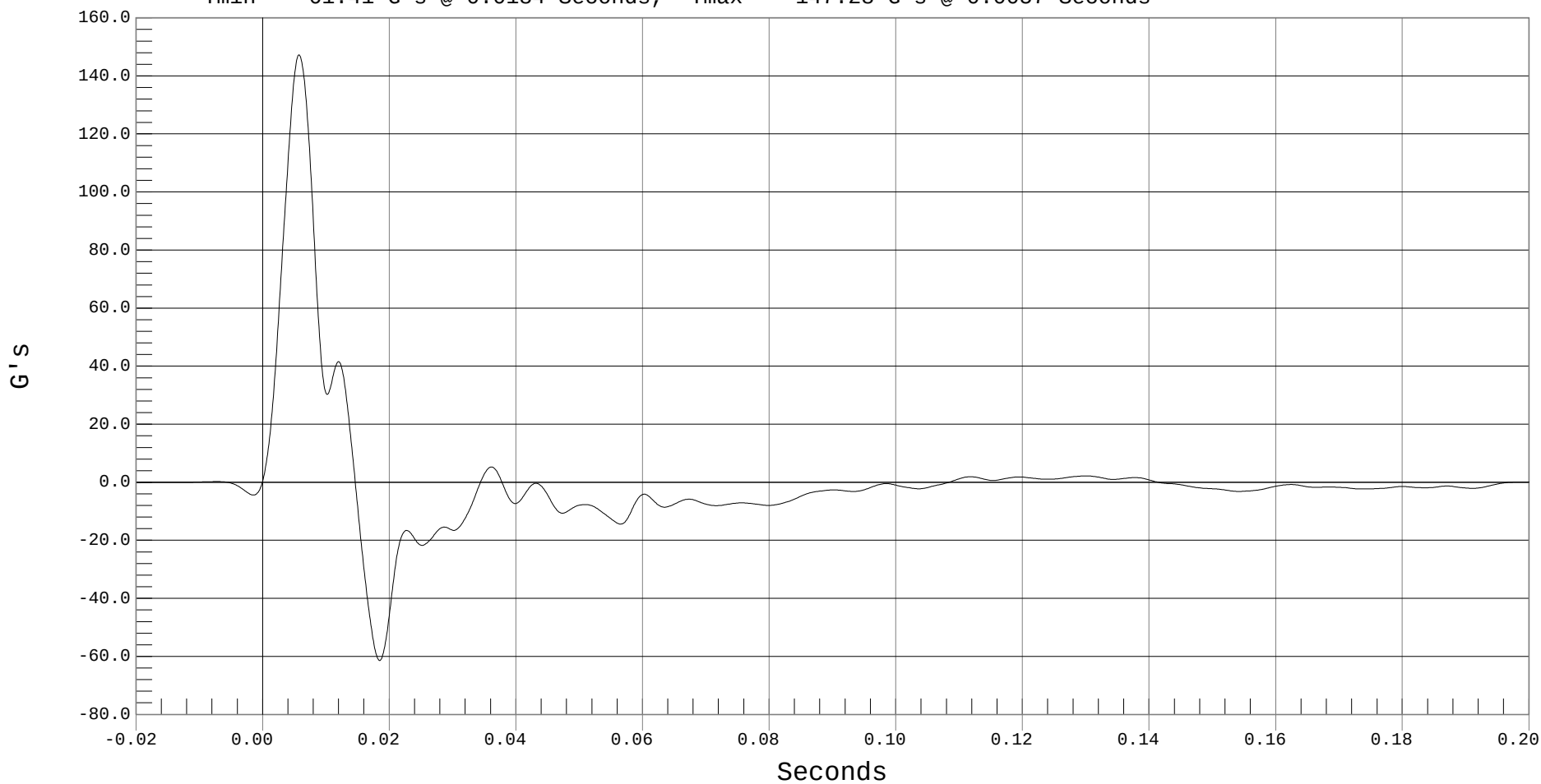
LEFT LOWER B-POST Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 LEFT LOWER B-POST, B01049AF.A29

Ymin = -61.41 G's @ 0.0184 Seconds, Ymax = 147.28 G's @ 0.0057 Seconds





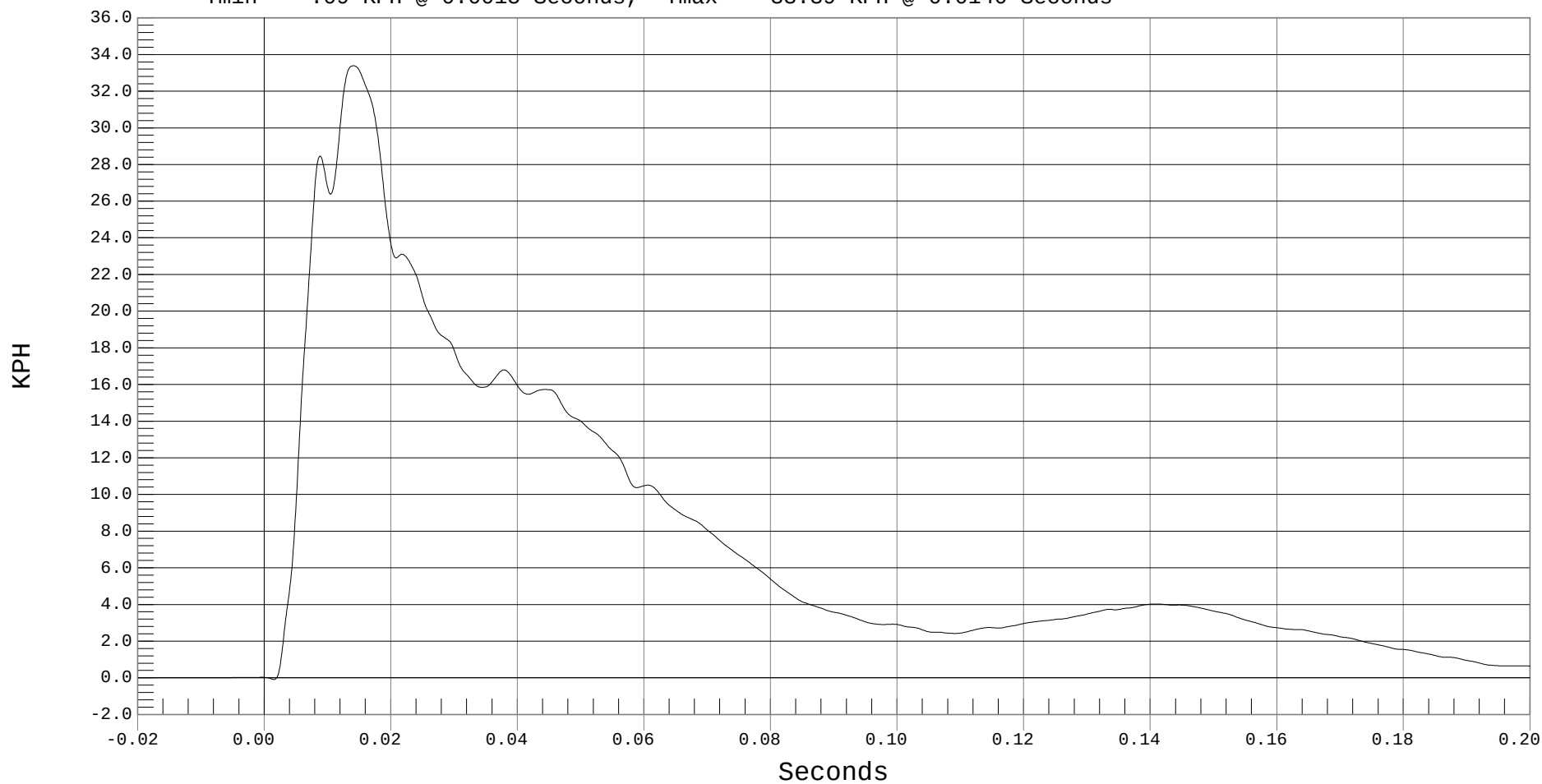
LEFT LOWER B-POST Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 LEFT LOWER B-POST Y VELOCITY, B01049AI.V29

Ymin = -.09 KPH @ 0.0015 Seconds, Ymax = 33.39 KPH @ 0.0140 Seconds





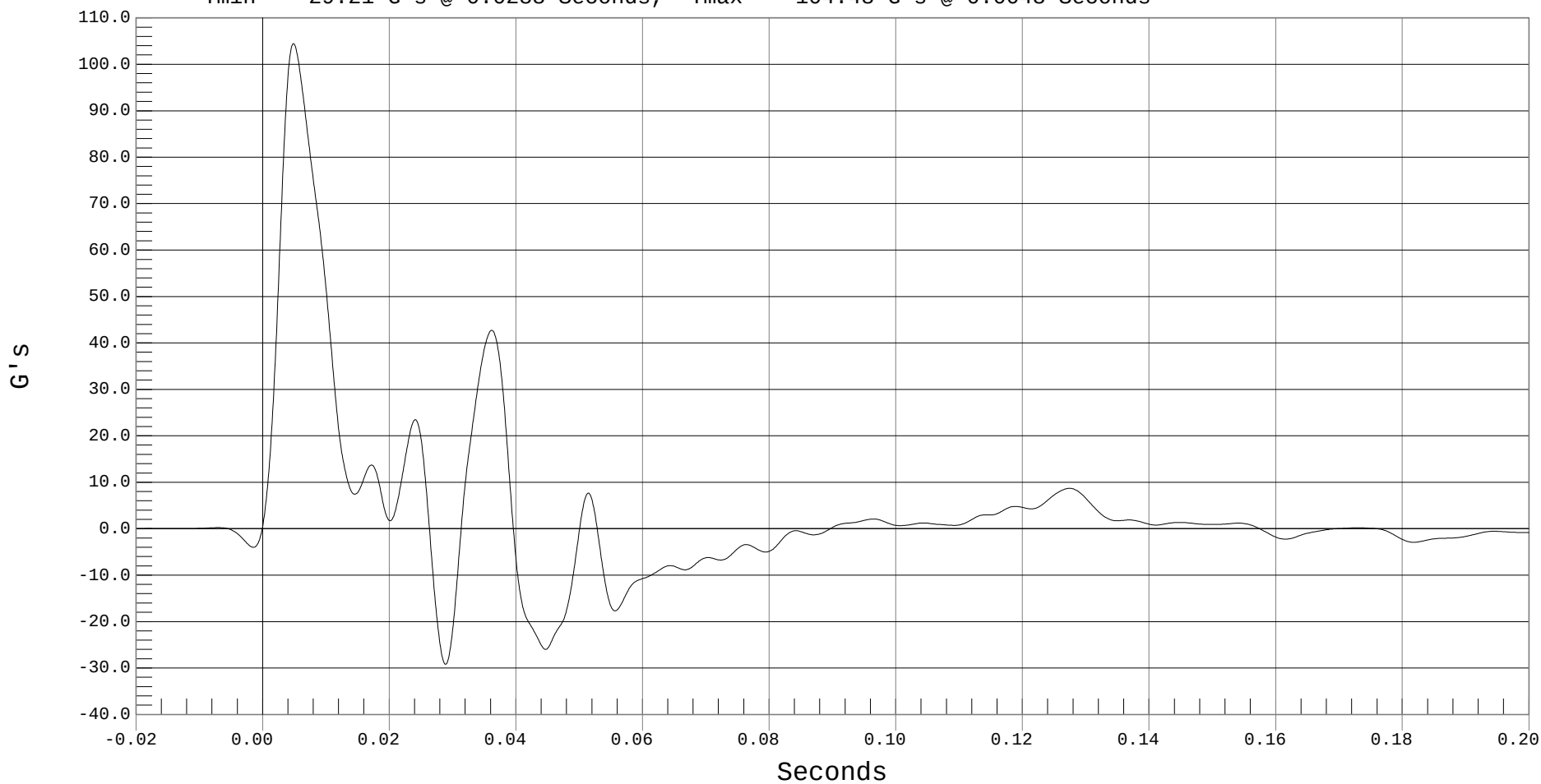
LEFT MID B-POST Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 LEFT MID B-POST, B01049AF.A28

Ymin = -29.21 G's @ 0.0288 Seconds, Ymax = 104.48 G's @ 0.0048 Seconds





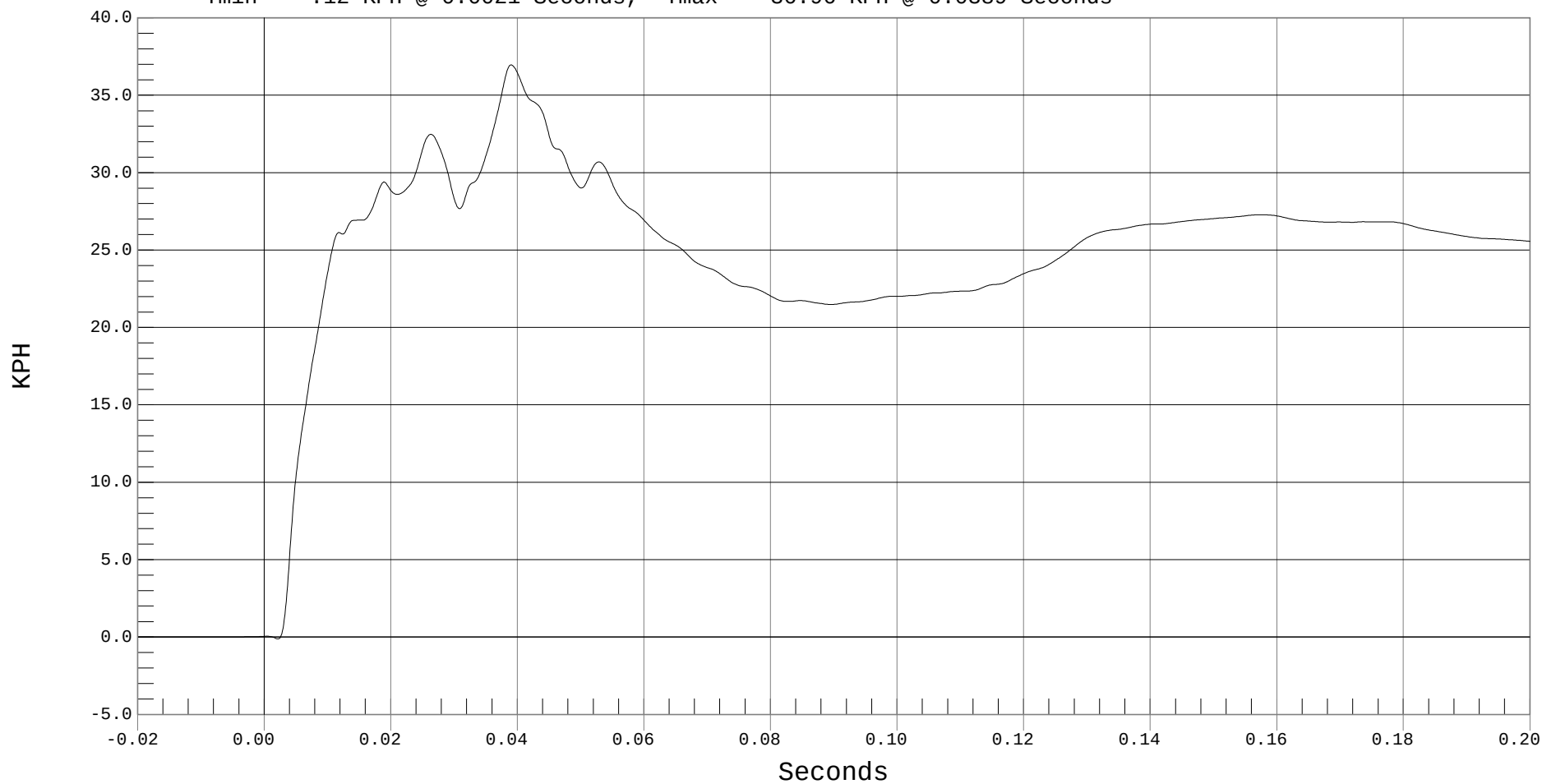
LEFT MID B-POST Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 LEFT MID B-POST Y VELOCITY, B01049AI.V28

Ymin = -.12 KPH @ 0.0021 Seconds, Ymax = 36.96 KPH @ 0.0389 Seconds





LEFT DRIVER SEAT TRACK Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

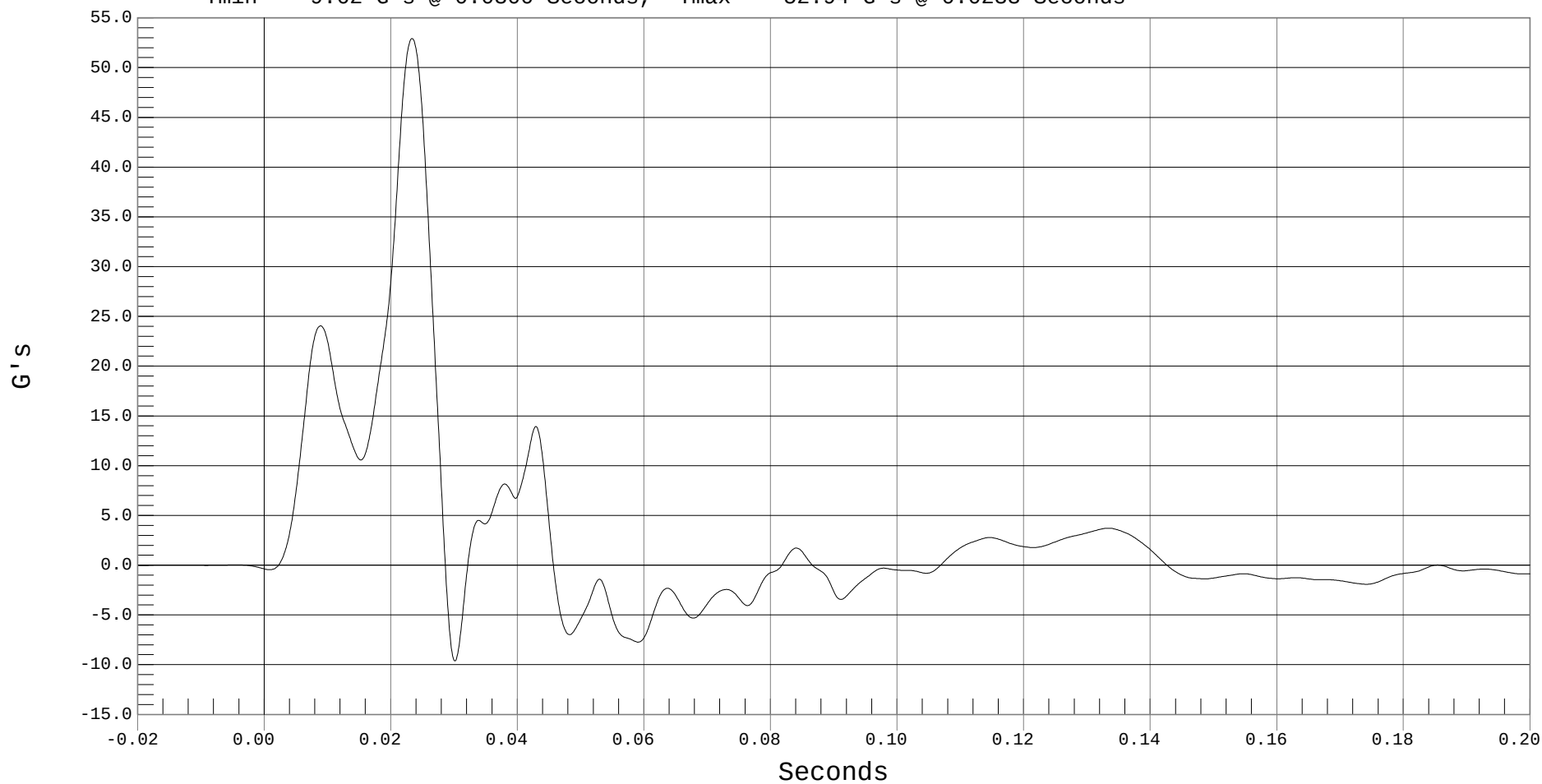
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 60

— 1 DRIVER SEAT TRACK Y, B01049AF.A30

Ymin = -9.62 G's @ 0.0300 Seconds, Ymax = 52.94 G's @ 0.0233 Seconds





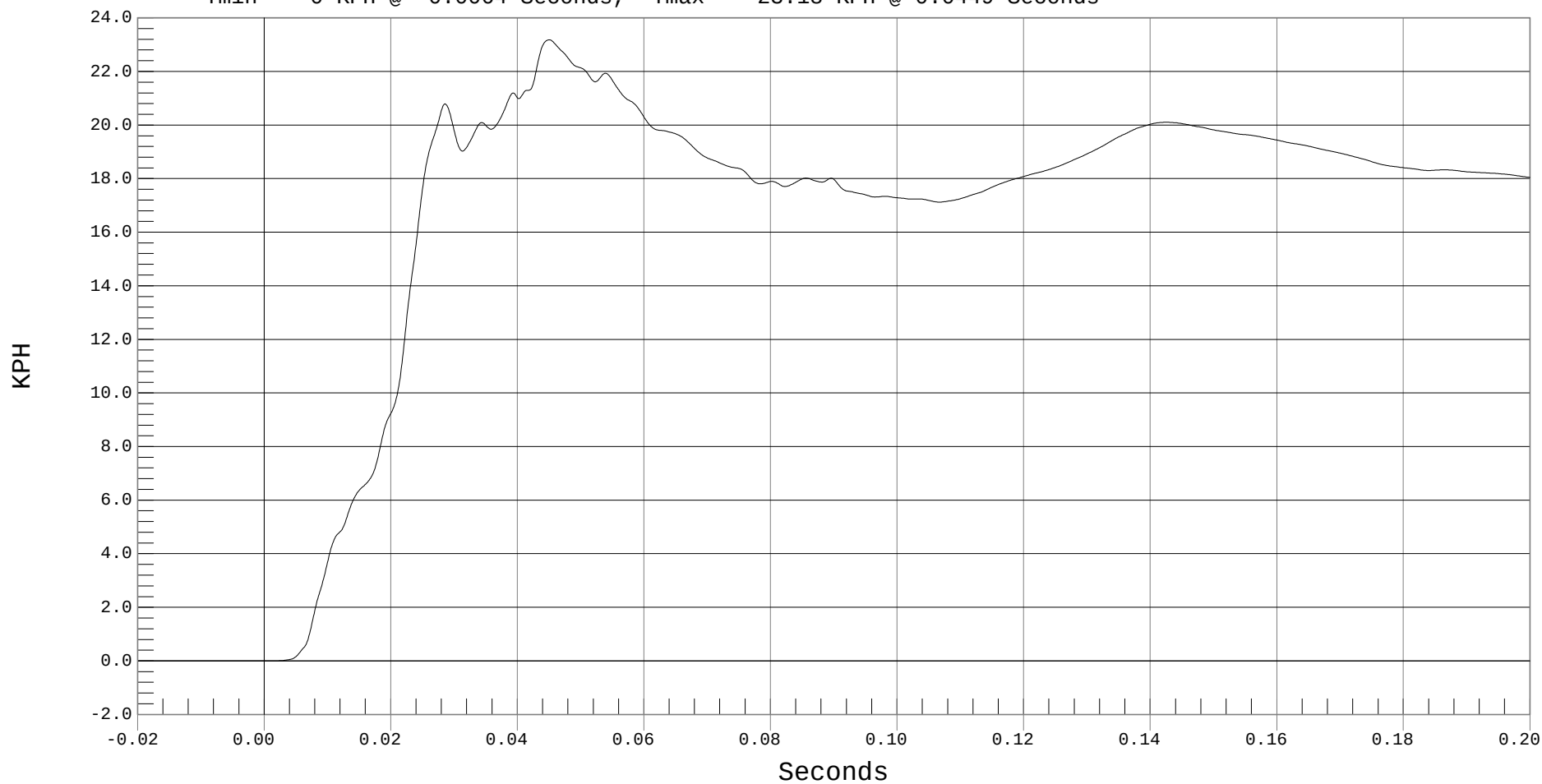
LEFT DRIVER SEAT TRACK Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 DRIVER SEAT TRACK Y VELOCITY, B01049AI.V30

Ymin = 0 KPH @ -0.0064 Seconds, Ymax = 23.18 KPH @ 0.0449 Seconds





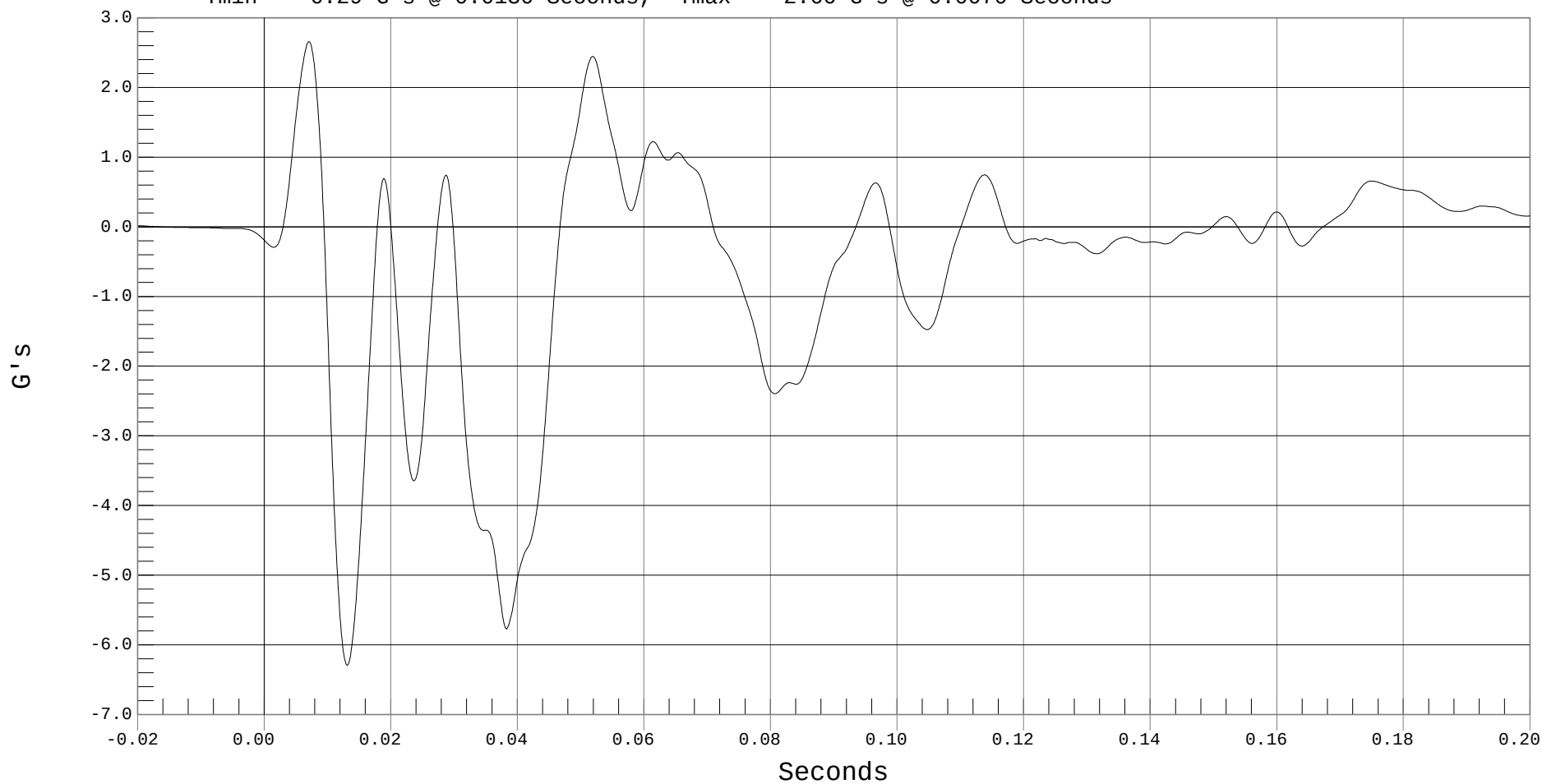
VEHICLE CG X ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 VEHICLE CG X, B01049AF.A33

Ymin = -6.29 G's @ 0.0130 Seconds, Ymax = 2.66 G's @ 0.0070 Seconds





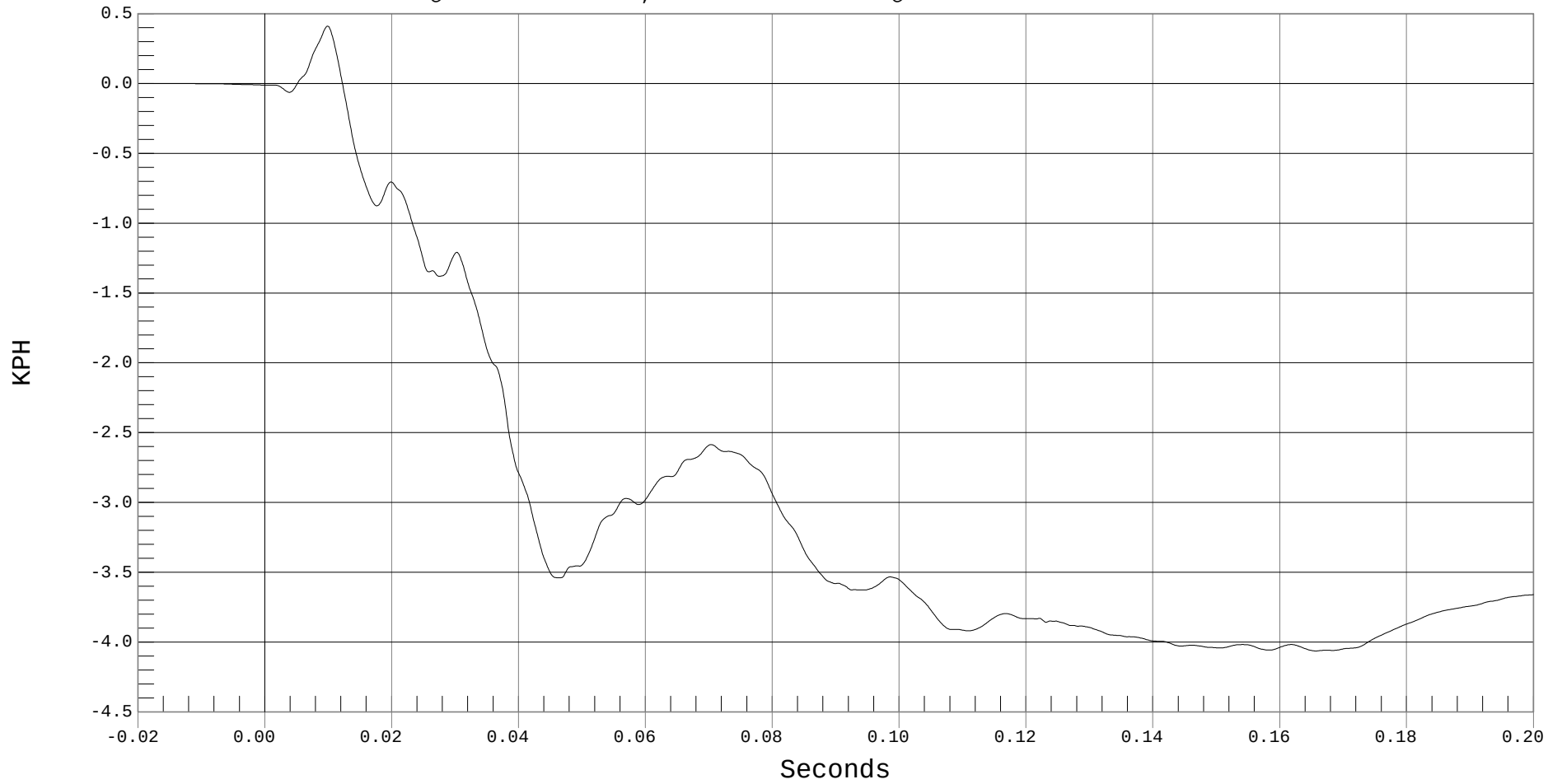
VEHICLE CG X VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 VEHICLE CG X VELOCITY, B01049AI.V33

Ymin = -4.06 KPH @ 0.1655 Seconds, Ymax = .41 KPH @ 0.0098 Seconds





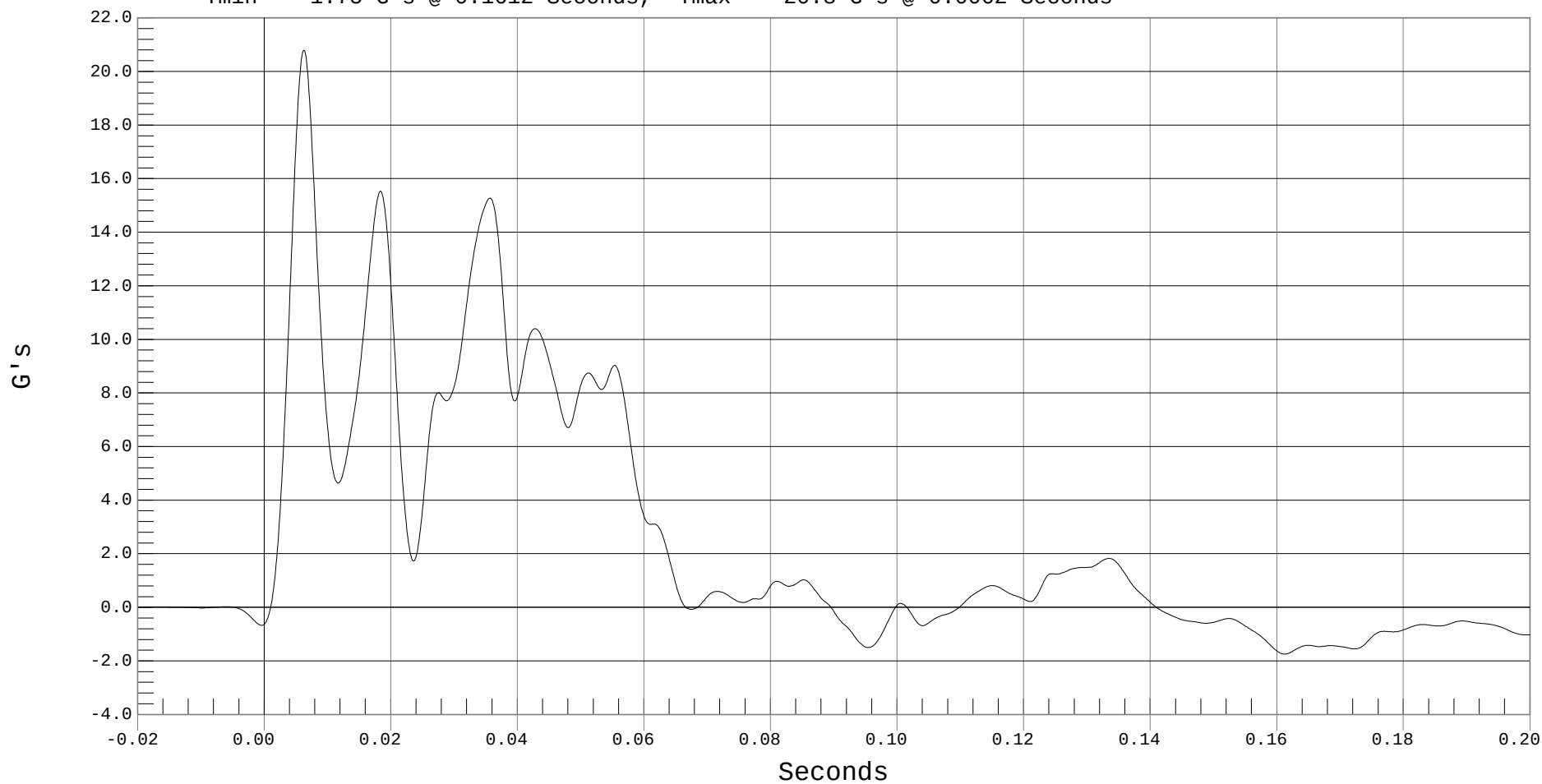
VEHICLE CG Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 VEHICLE CG Y, B01049AF.A34

Ymin = -1.75 G's @ 0.1612 Seconds, Ymax = 20.8 G's @ 0.0062 Seconds





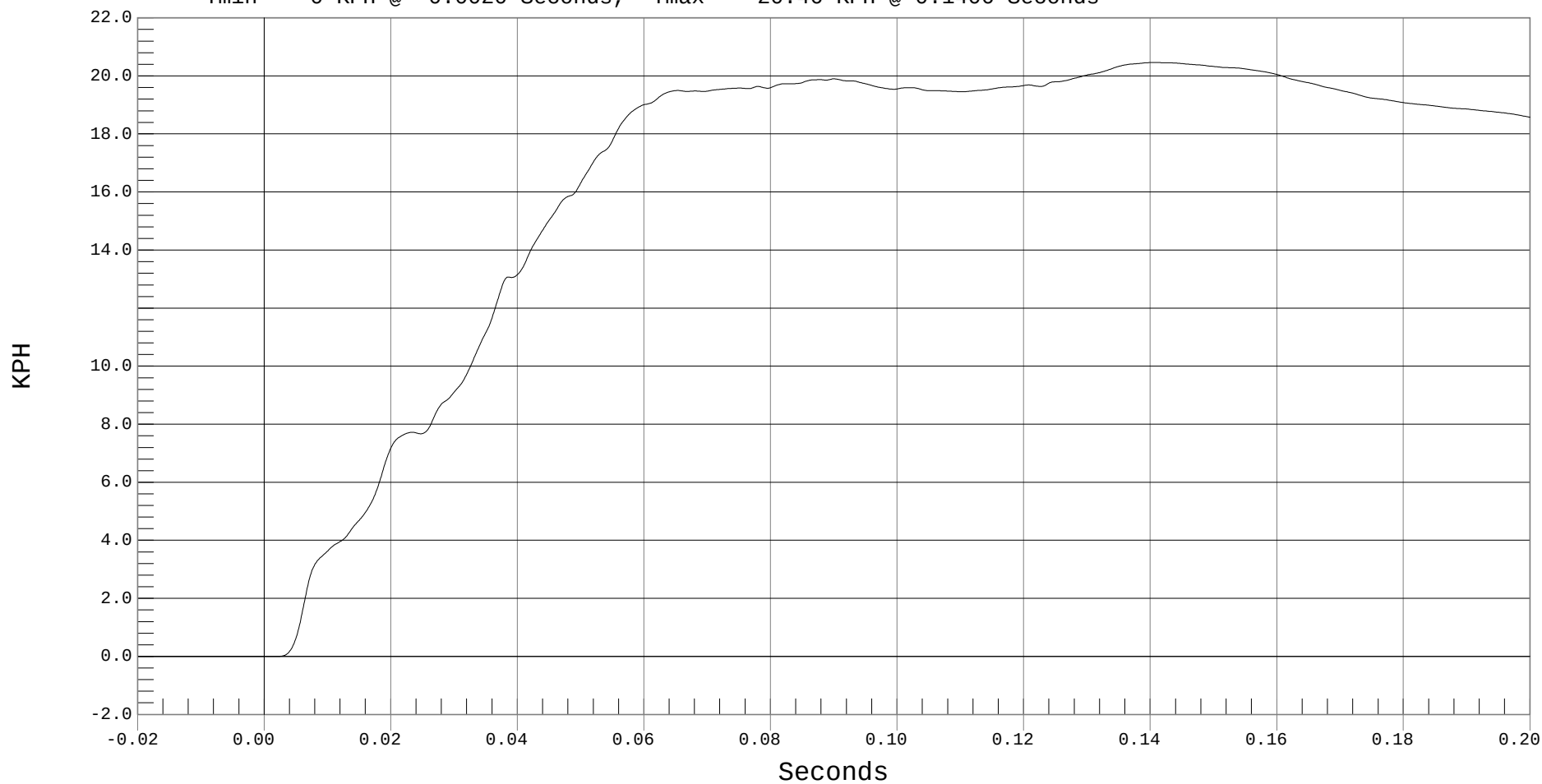
VEHICLE CG Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 VEHICLE CG Y VELOCITY, B01049AI.V34

Ymin = 0 KPH @ -0.0020 Seconds, Ymax = 20.46 KPH @ 0.1406 Seconds





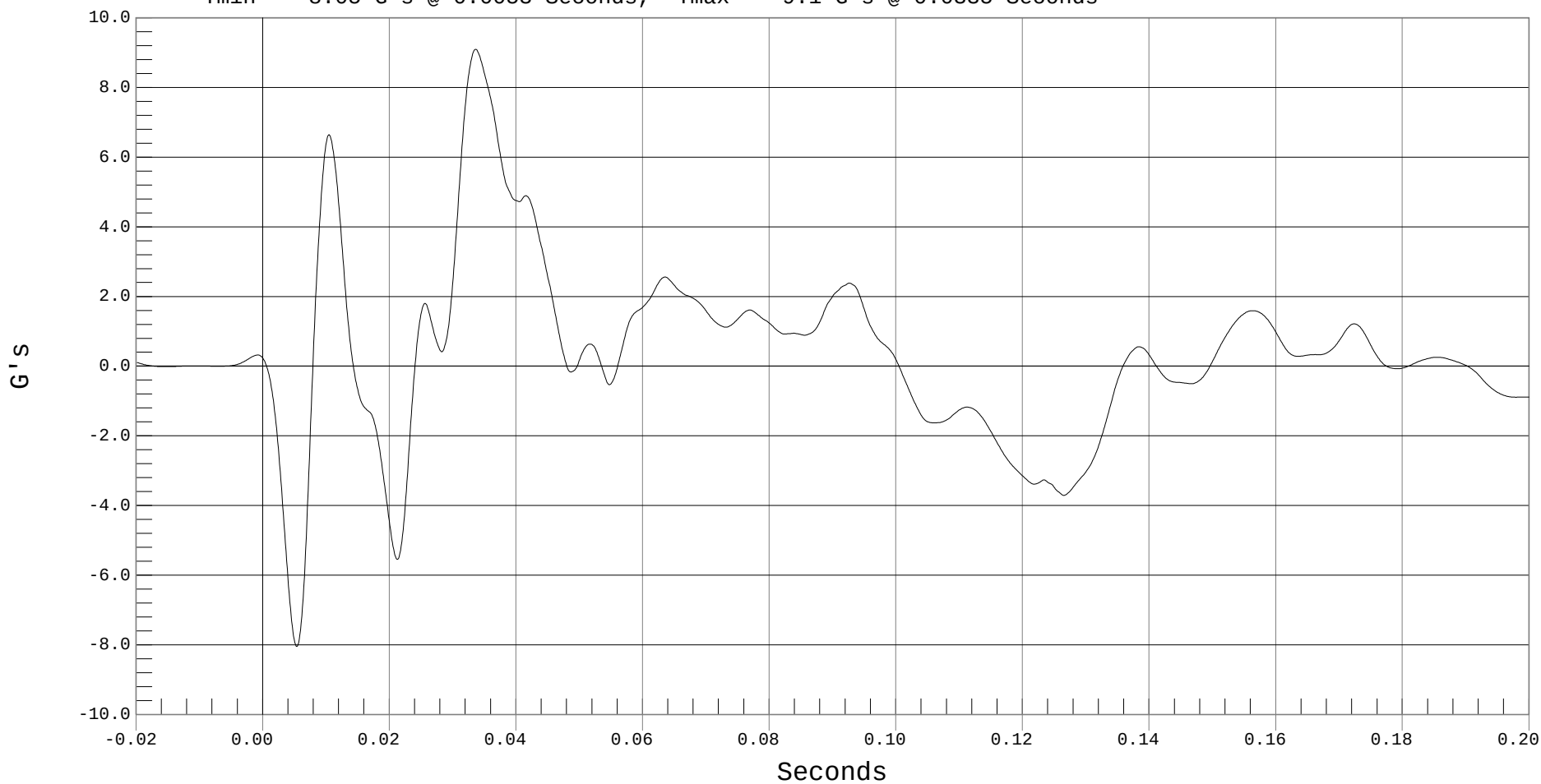
VEHICLE CG Z ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 VEHICLE CG Z, B01049AF.A35

Ymin = -8.05 G's @ 0.0053 Seconds, Ymax = 9.1 G's @ 0.0335 Seconds





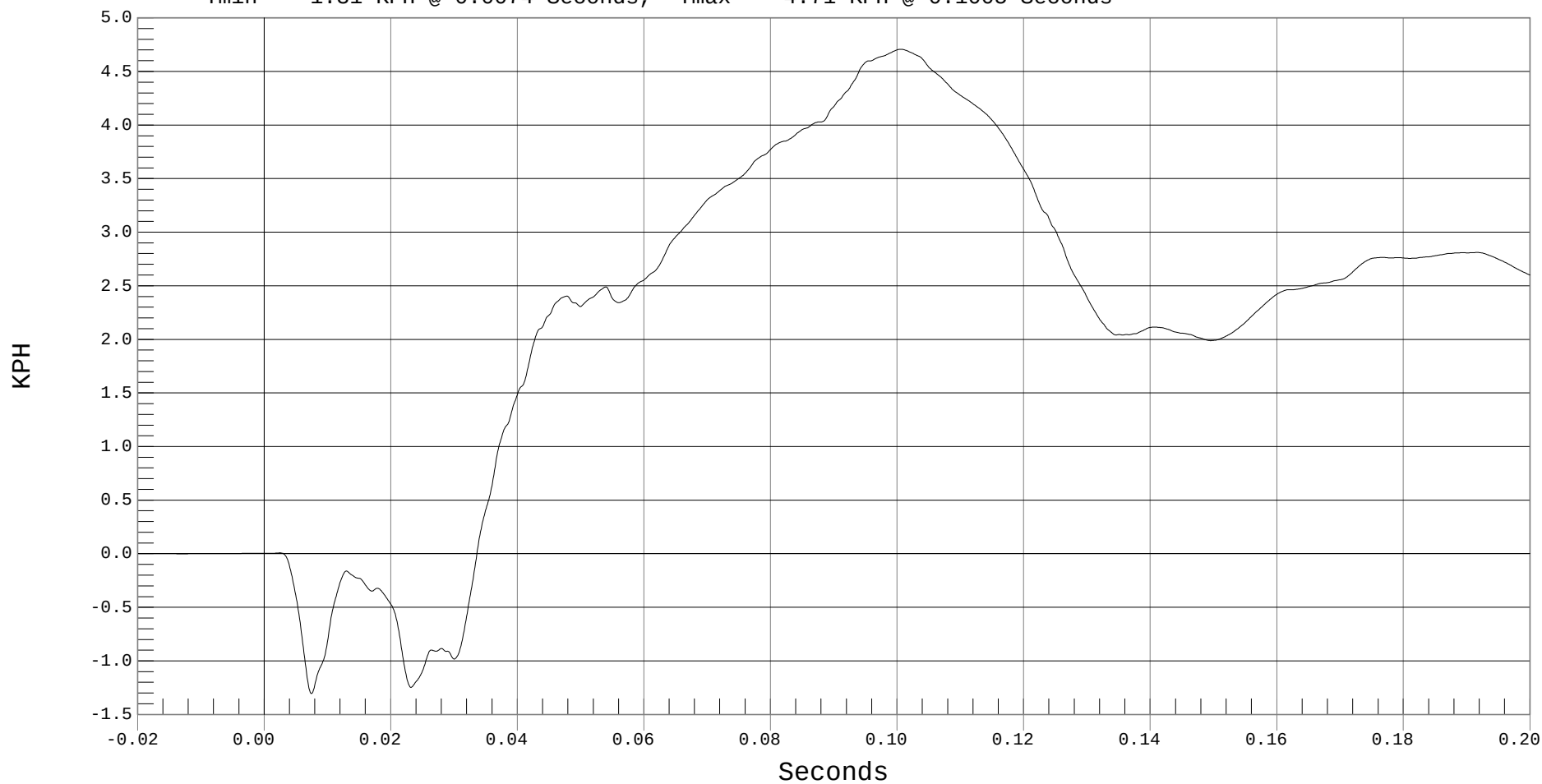
VEHICLE CG Z VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 VEHICLE CG Z VELOCITY, B01049AI.V35

Ymin = -1.31 KPH @ 0.0074 Seconds, Ymax = 4.71 KPH @ 0.1005 Seconds





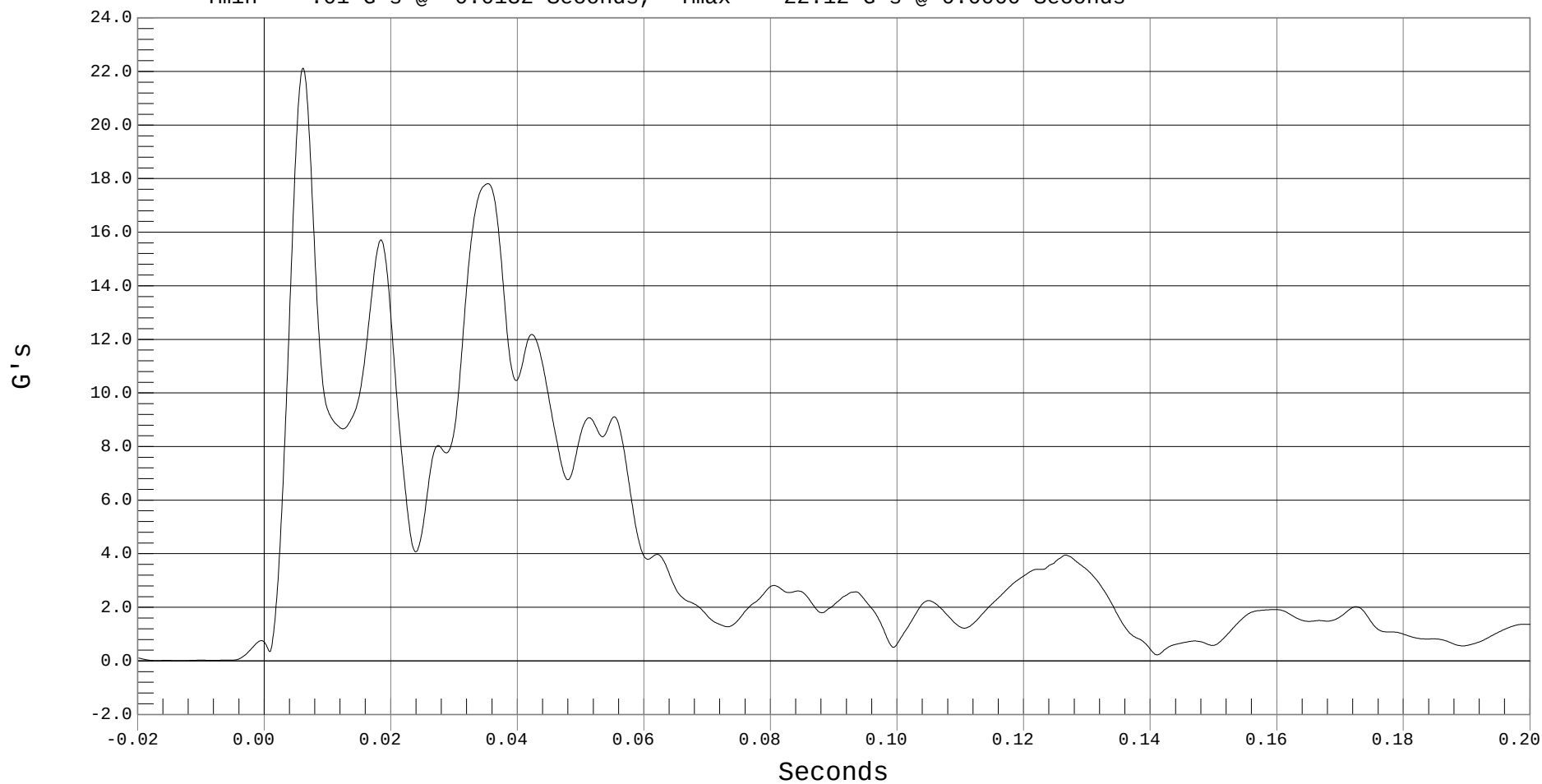
VEHICLE CG RESULTANT ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 VEHICLE CG RESULTANT ACCELERATION, B01049AV.A33

Ymin = .01 G's @ -0.0132 Seconds, Ymax = 22.12 G's @ 0.0060 Seconds





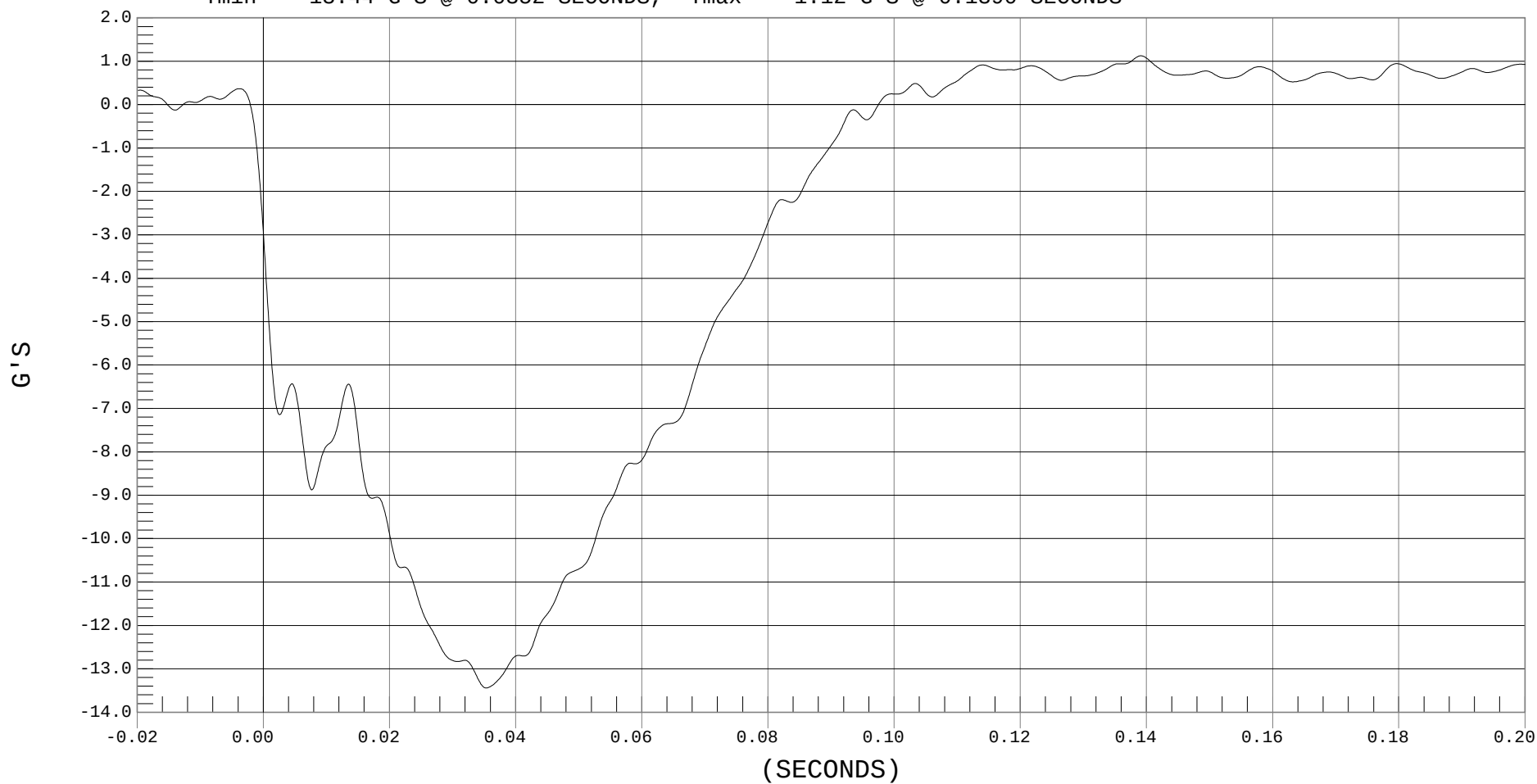
MOVING BARRIER CG X ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 CART CG X, B01049AF.A02

Ymin = -13.44 G'S @ 0.0352 SECONDS, Ymax = 1.12 G'S @ 0.1390 SECONDS





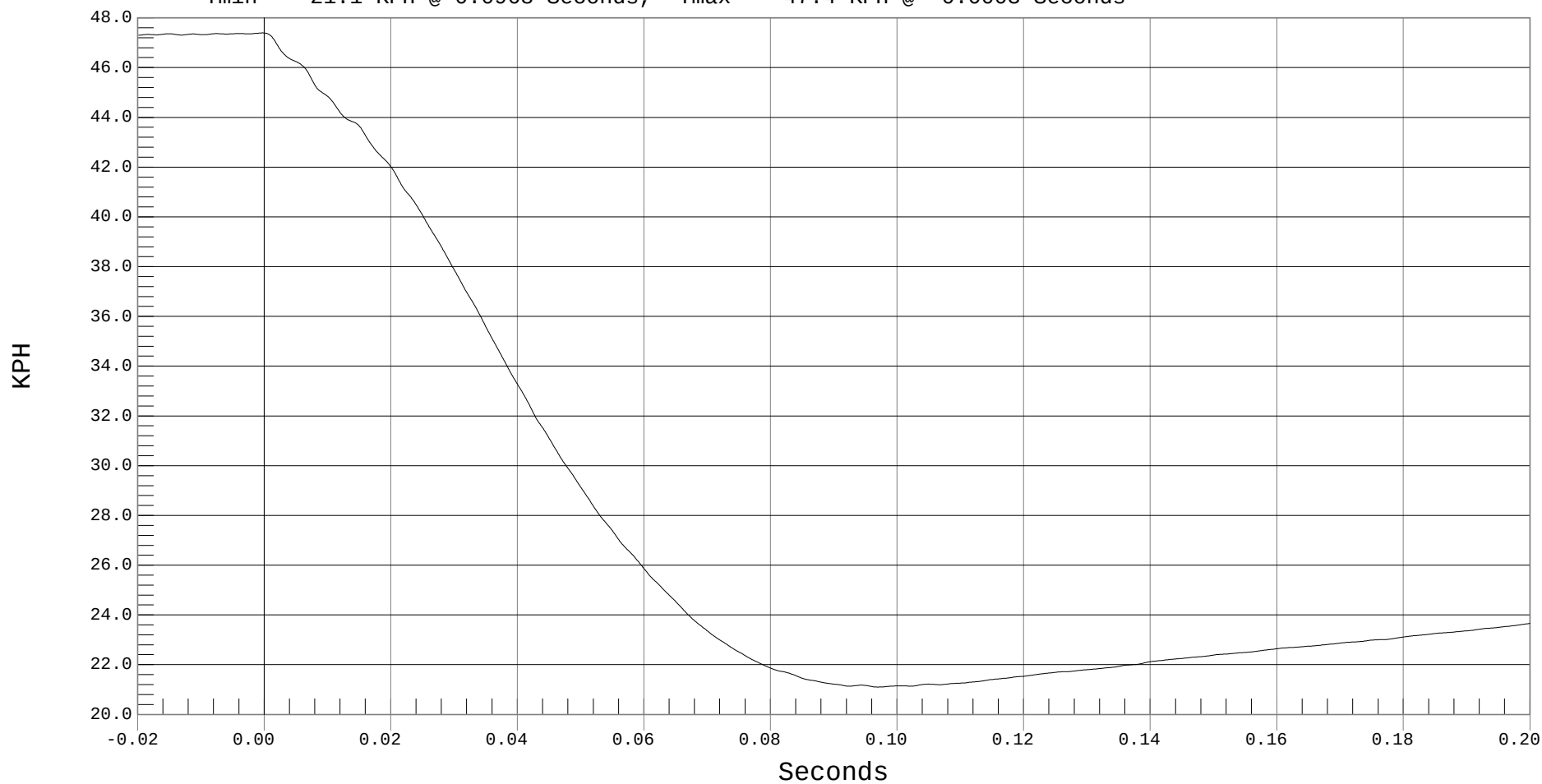
MOVING BARRIER CG X VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 MOVING BARRIER CG X VELOCITY, B01049AI.V02

Ymin = 21.1 KPH @ 0.0968 Seconds, Ymax = 47.4 KPH @ -0.0003 Seconds





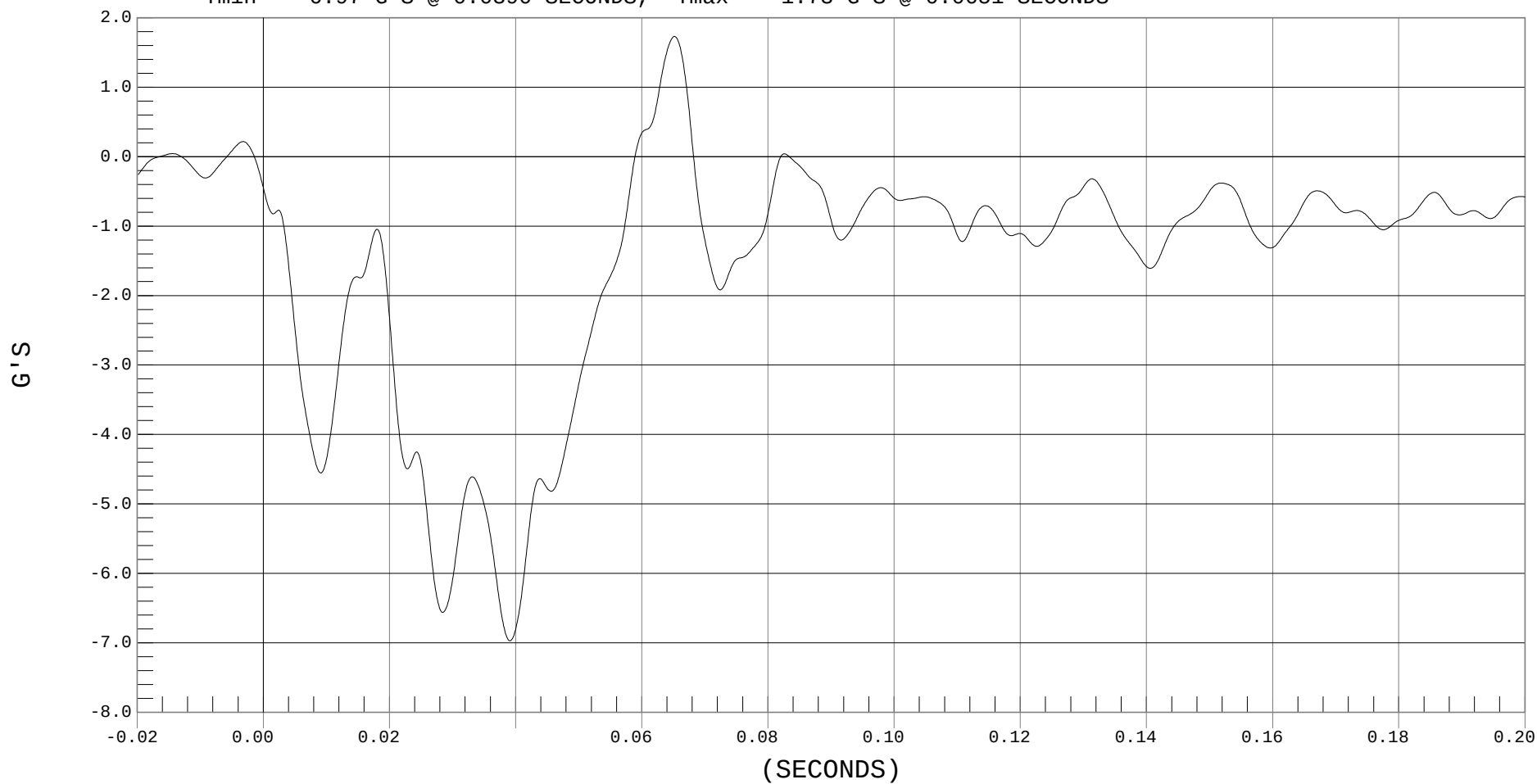
MOVING BARRIER CG Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 CART CG Y, B01049AF.A03

Ymin = -6.97 G'S @ 0.0390 SECONDS, Ymax = 1.73 G'S @ 0.0651 SECONDS





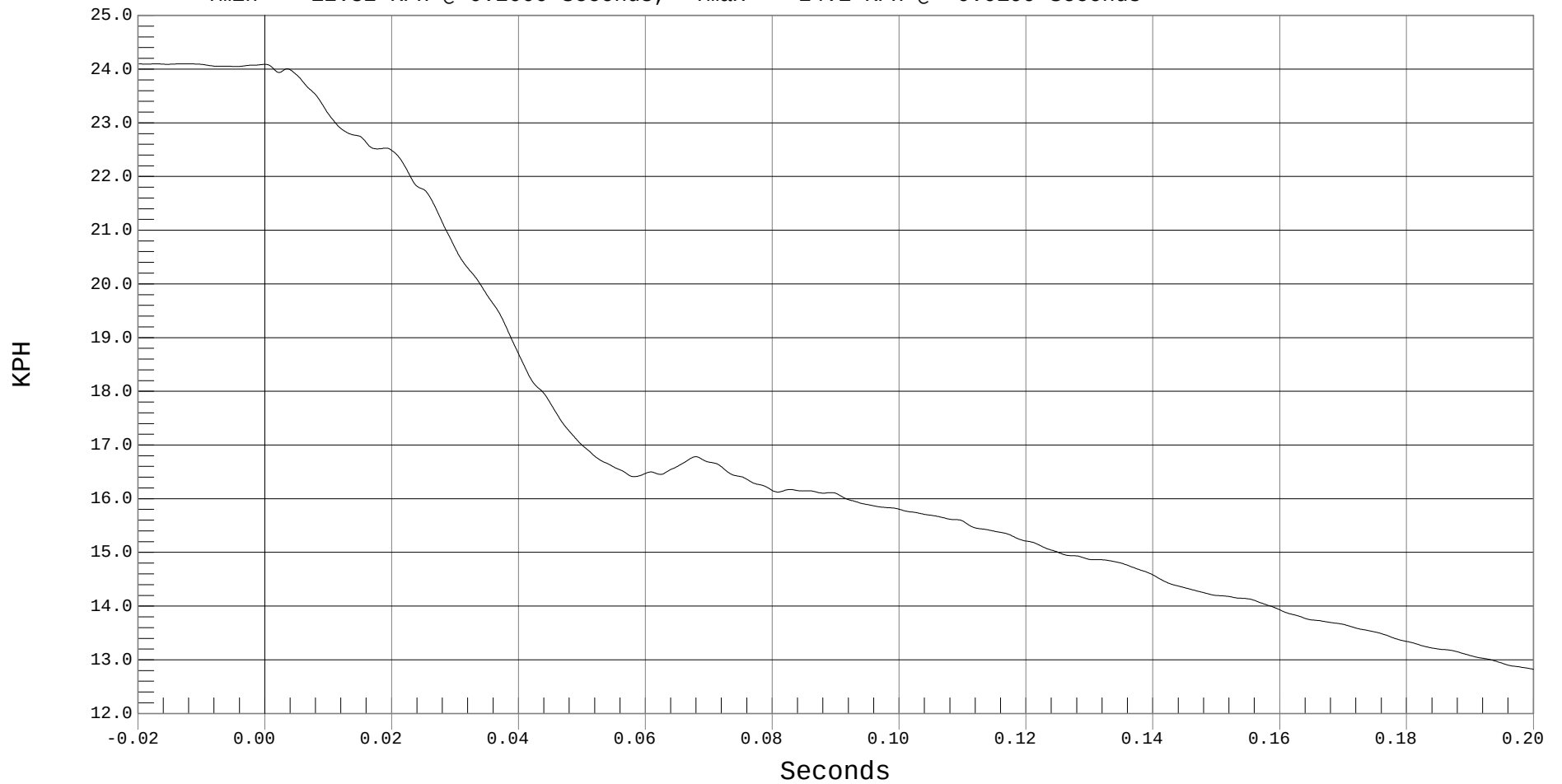
MOVING BARRIER CG Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 MOVING BARRIER CG Y VELOCITY, B01049AI.V03

Ymin = 12.82 KPH @ 0.2000 Seconds, Ymax = 24.1 KPH @ -0.0199 Seconds





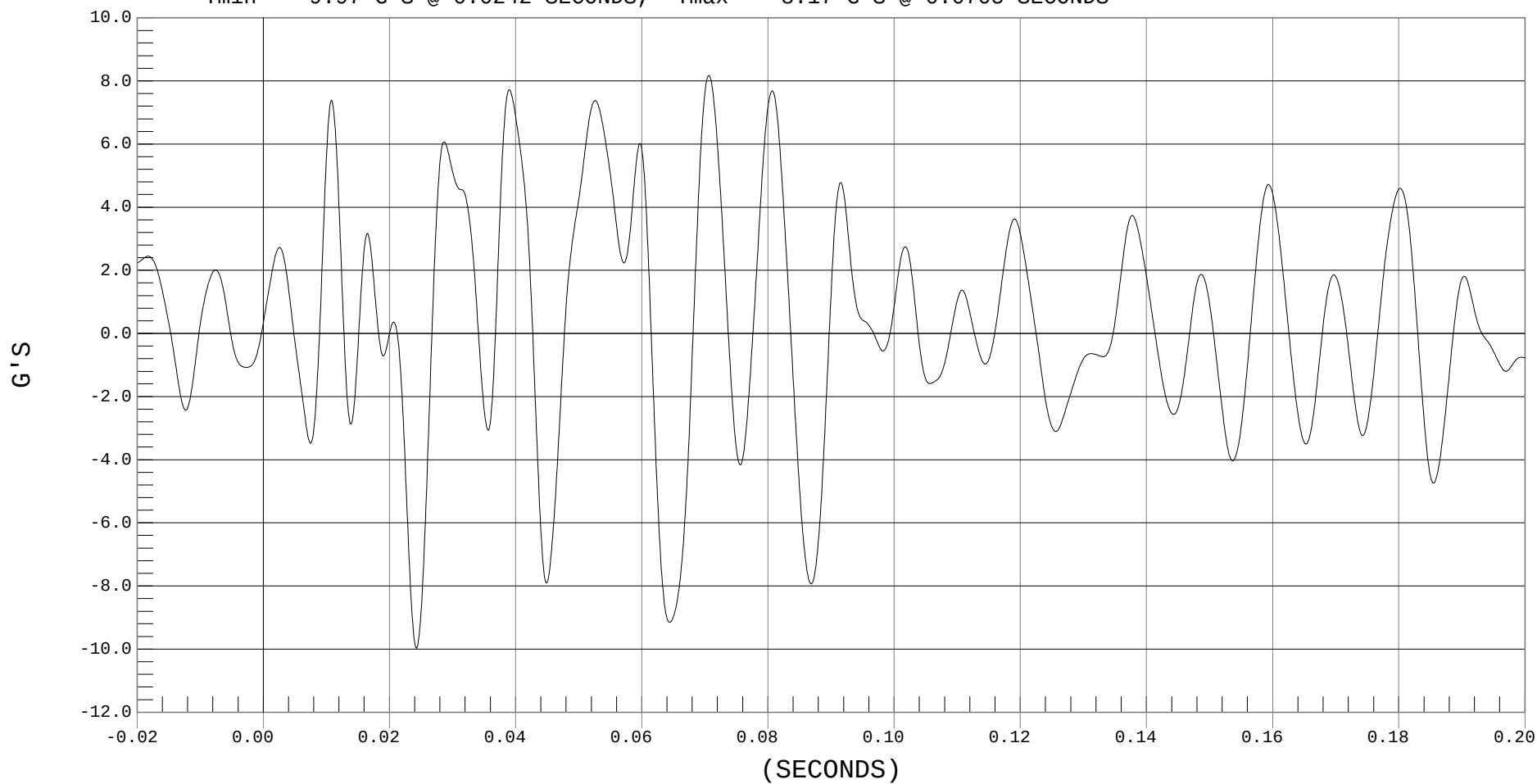
MOVING BARRIER CG Z ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 CART CG Z, B01049AF.A04

Ymin = -9.97 G'S @ 0.0242 SECONDS, Ymax = 8.17 G'S @ 0.0705 SECONDS





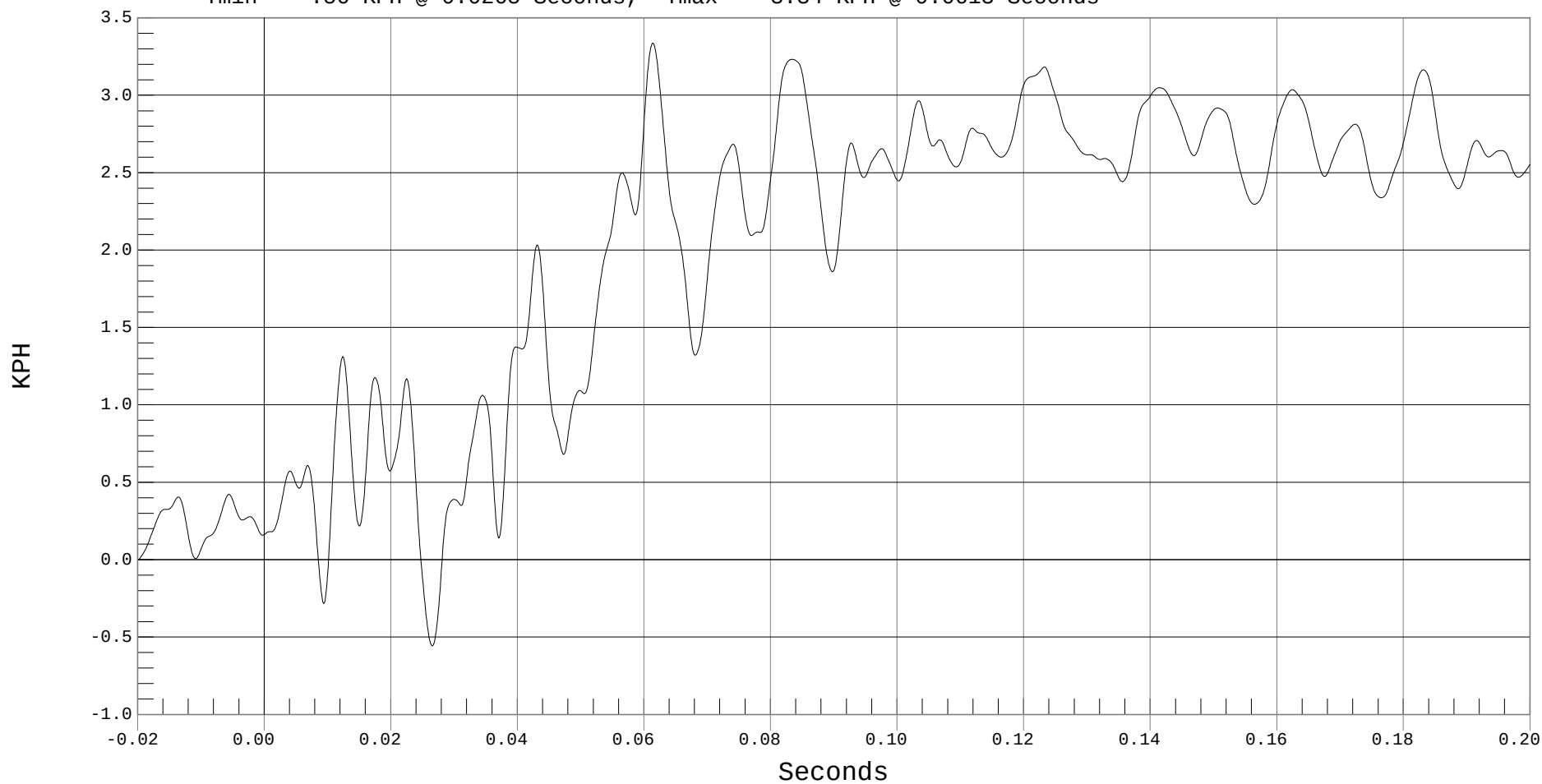
MOVING BARRIER CG Z VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 MOVING BARRIER CG Z VELOCITY, B01049AI.V04

Ymin = -.56 KPH @ 0.0265 Seconds, Ymax = 3.34 KPH @ 0.0613 Seconds





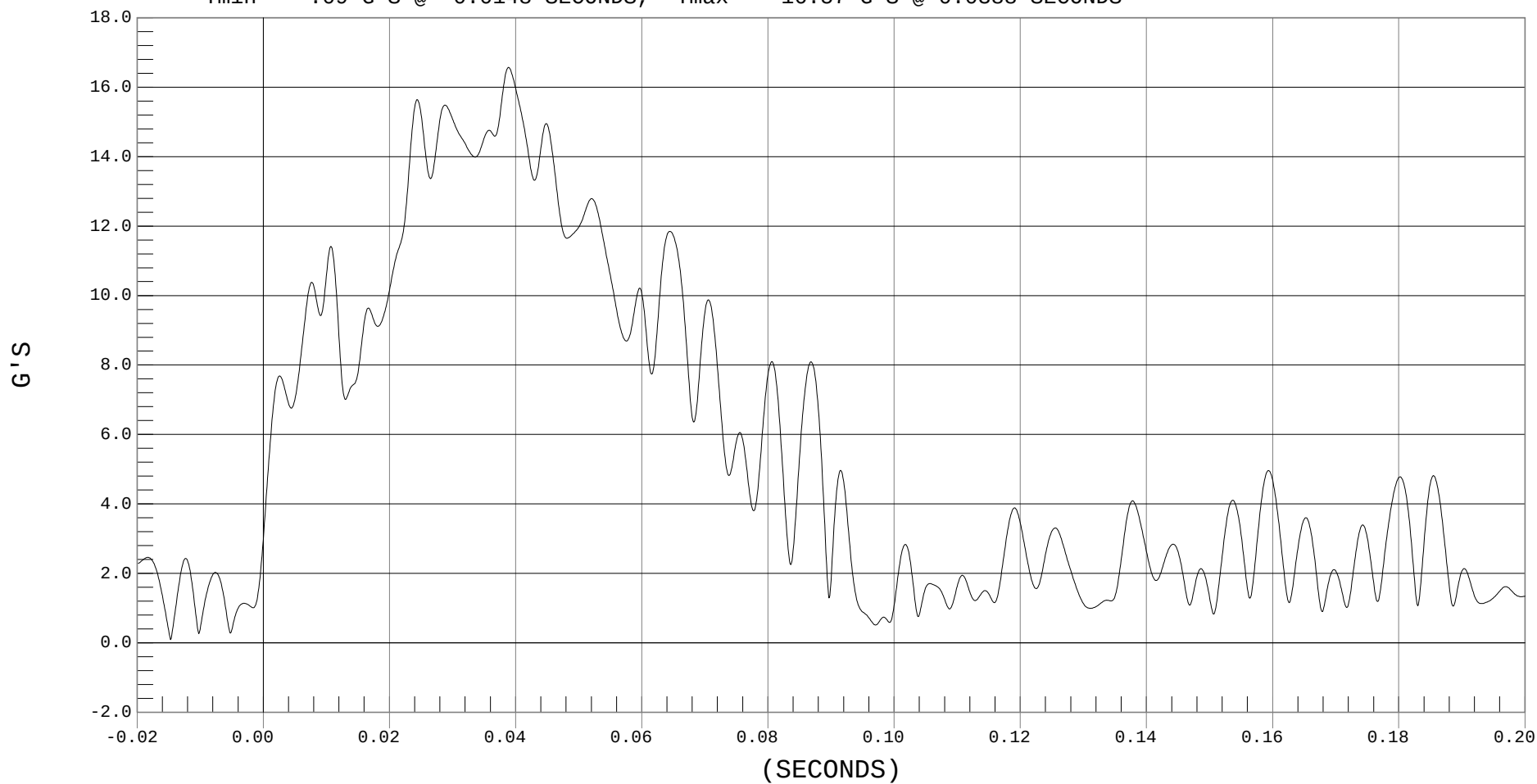
MOVING BARRIER CG RESULTANT ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 MOVING BARRIER CG RESULTANT ACCELERATION, B01049AV.A02

Ymin = .09 G'S @ -0.0148 SECONDS, Ymax = 16.57 G'S @ 0.0388 SECONDS





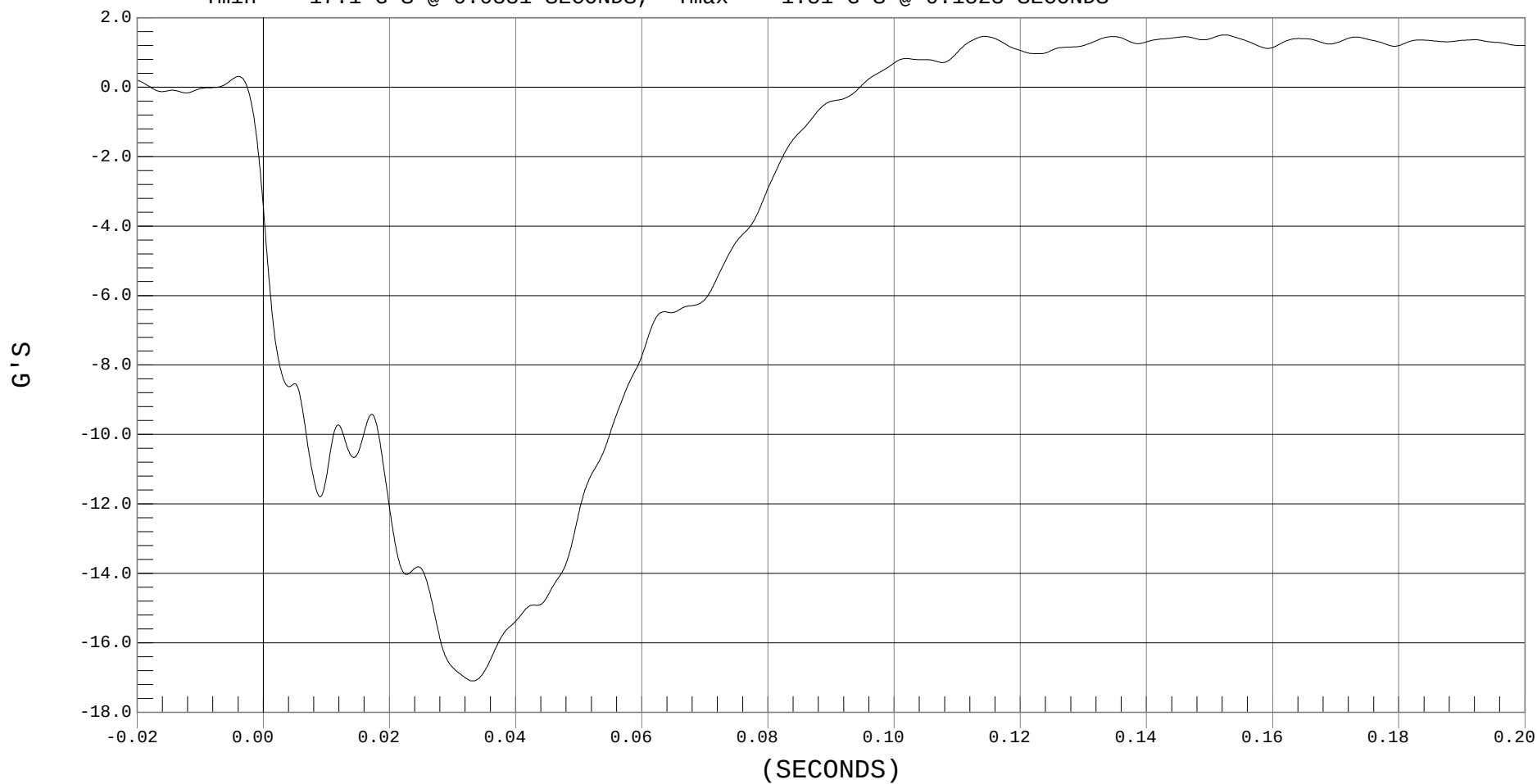
MOVING BARRIER REAR AXLE X ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 CART REAR X, B01049AF.A05

Ymin = -17.1 G'S @ 0.0331 SECONDS, Ymax = 1.51 G'S @ 0.1523 SECONDS





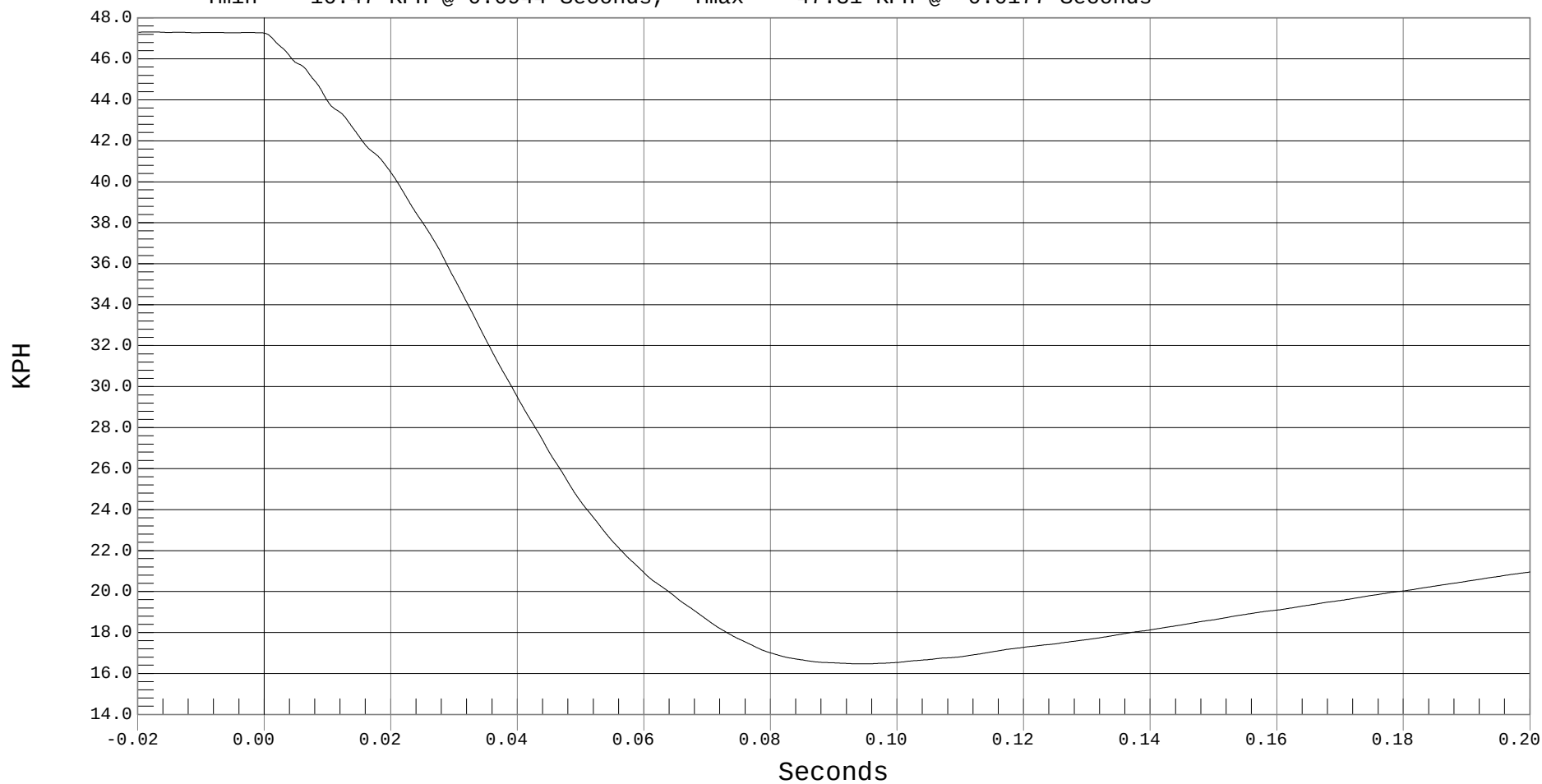
MOVING BARRIER REAR AXLE X VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

1 MOVING BARRIER REAR AXLE X VELOCITY, B01049AI.V05

Ymin = 16.47 KPH @ 0.0944 Seconds, Ymax = 47.31 KPH @ -0.0177 Seconds





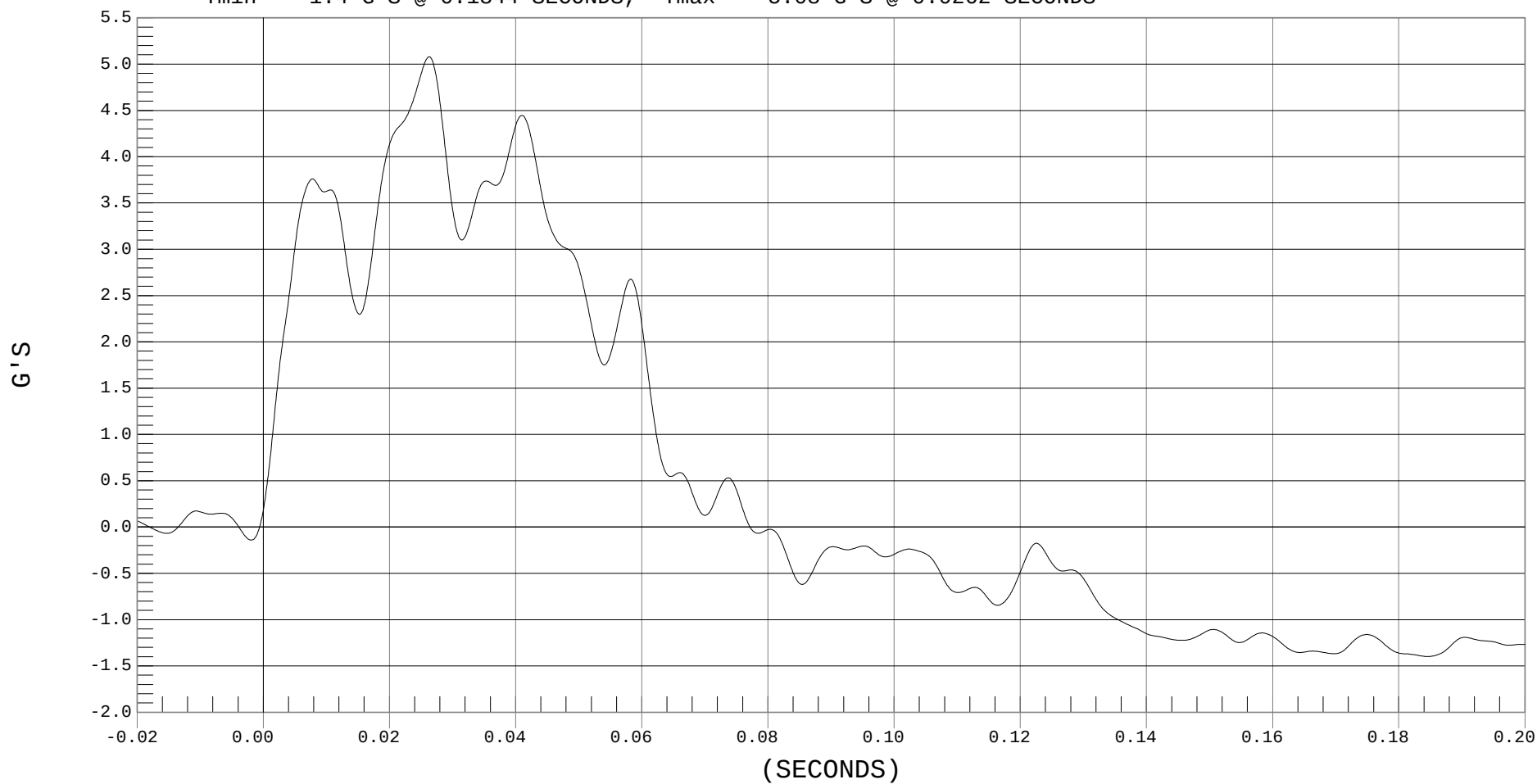
MOVING BARRIER REAR AXLE Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 60

— 1 CART REAR Y, B01049AF.A06

Ymin = -1.4 G'S @ 0.1844 SECONDS, Ymax = 5.08 G'S @ 0.0262 SECONDS





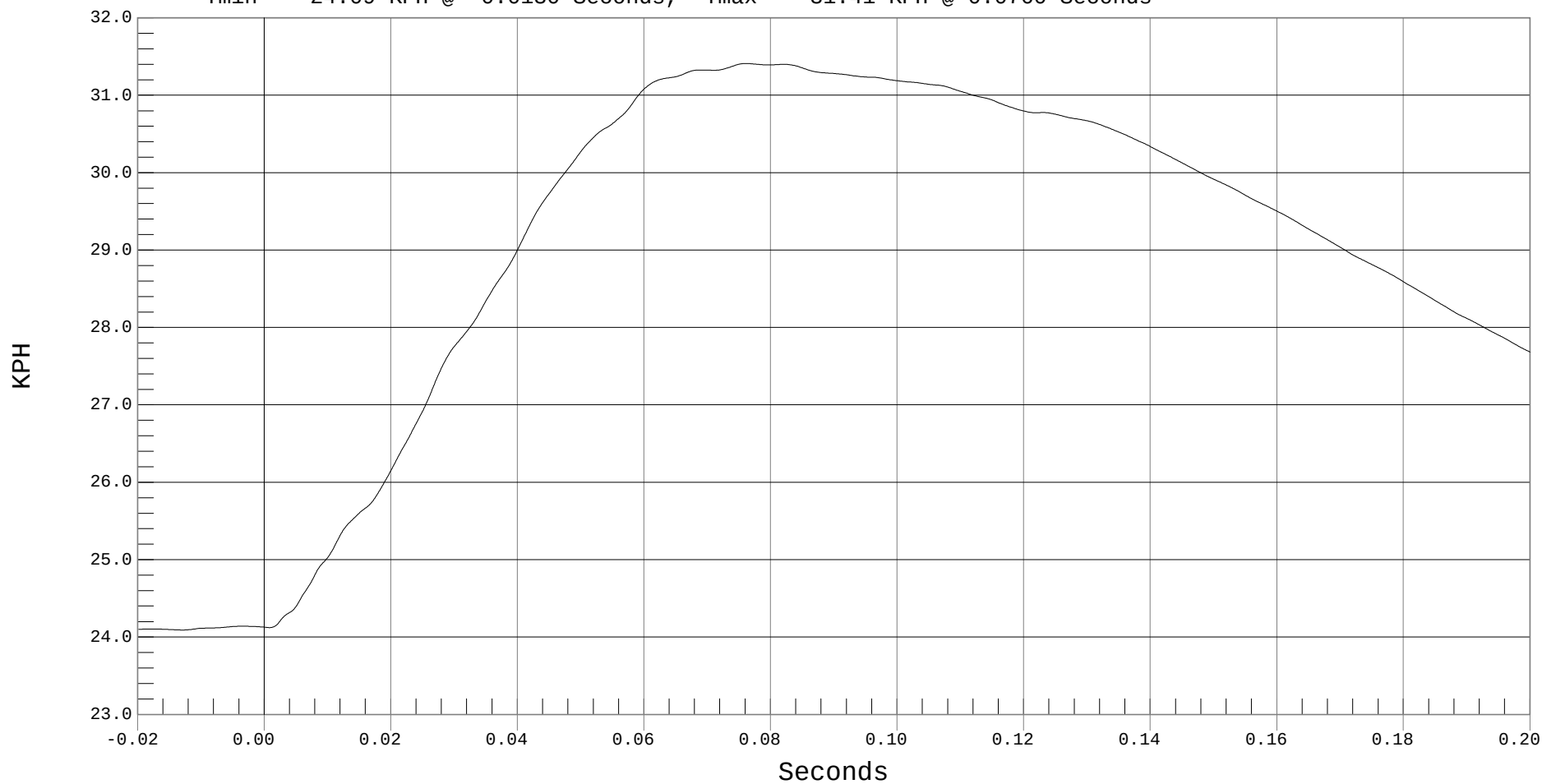
MOVING BARRIER REAR AXLE Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 MOVING BARRIER REAR AXLE Y VELOCITY, B01049AI.V06

Ymin = 24.09 KPH @ -0.0130 Seconds, Ymax = 31.41 KPH @ 0.0760 Seconds





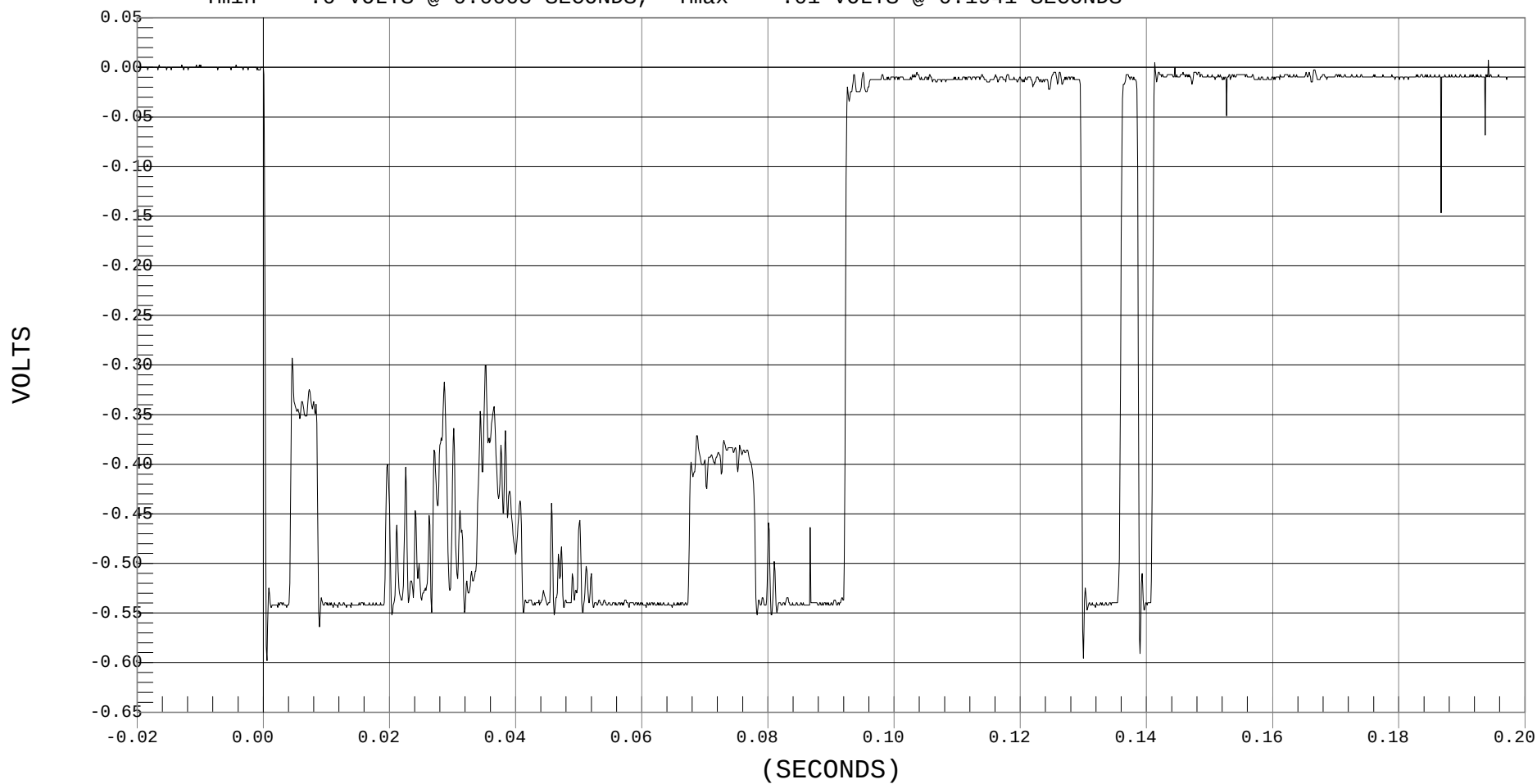
LEFT BARRIER CONTACT

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 LEFT BARRIER CONTACT, B010490T.009

Ymin = -.6 VOLTS @ 0.0005 SECONDS, Ymax = .01 VOLTS @ 0.1941 SECONDS





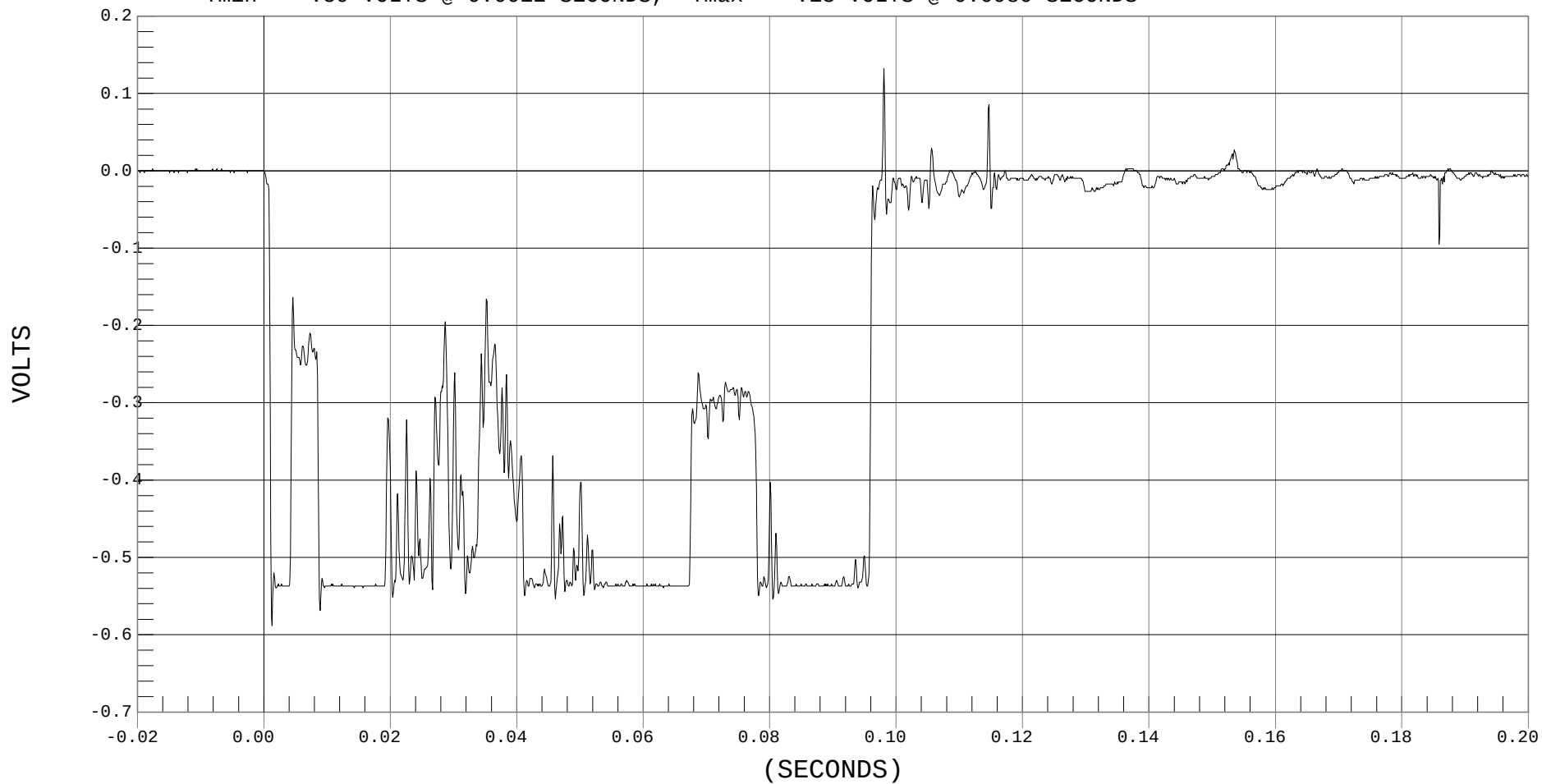
RIGHT BARRIER CONTACT

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 RIGHT BARRIER CONTACT, B010490T.010

Ymin = -.59 VOLTS @ 0.0012 SECONDS, Ymax = .13 VOLTS @ 0.0980 SECONDS





DRIVER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

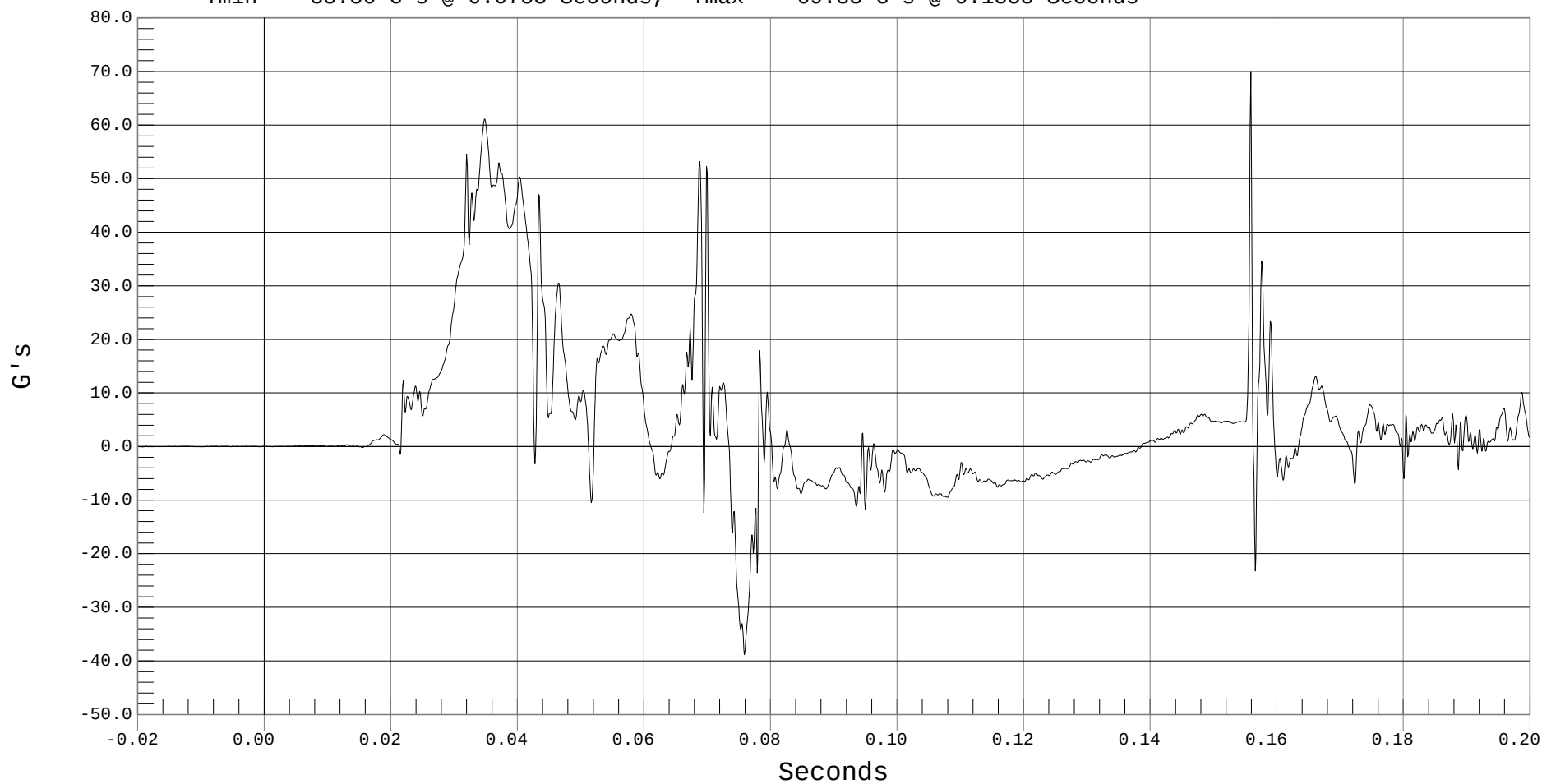
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 DRIVER UPPER RIB Yr, B01049AT.A41

Ymin = -38.86 G's @ 0.0758 Seconds, Ymax = 69.83 G's @ 0.1558 Seconds





DRIVER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

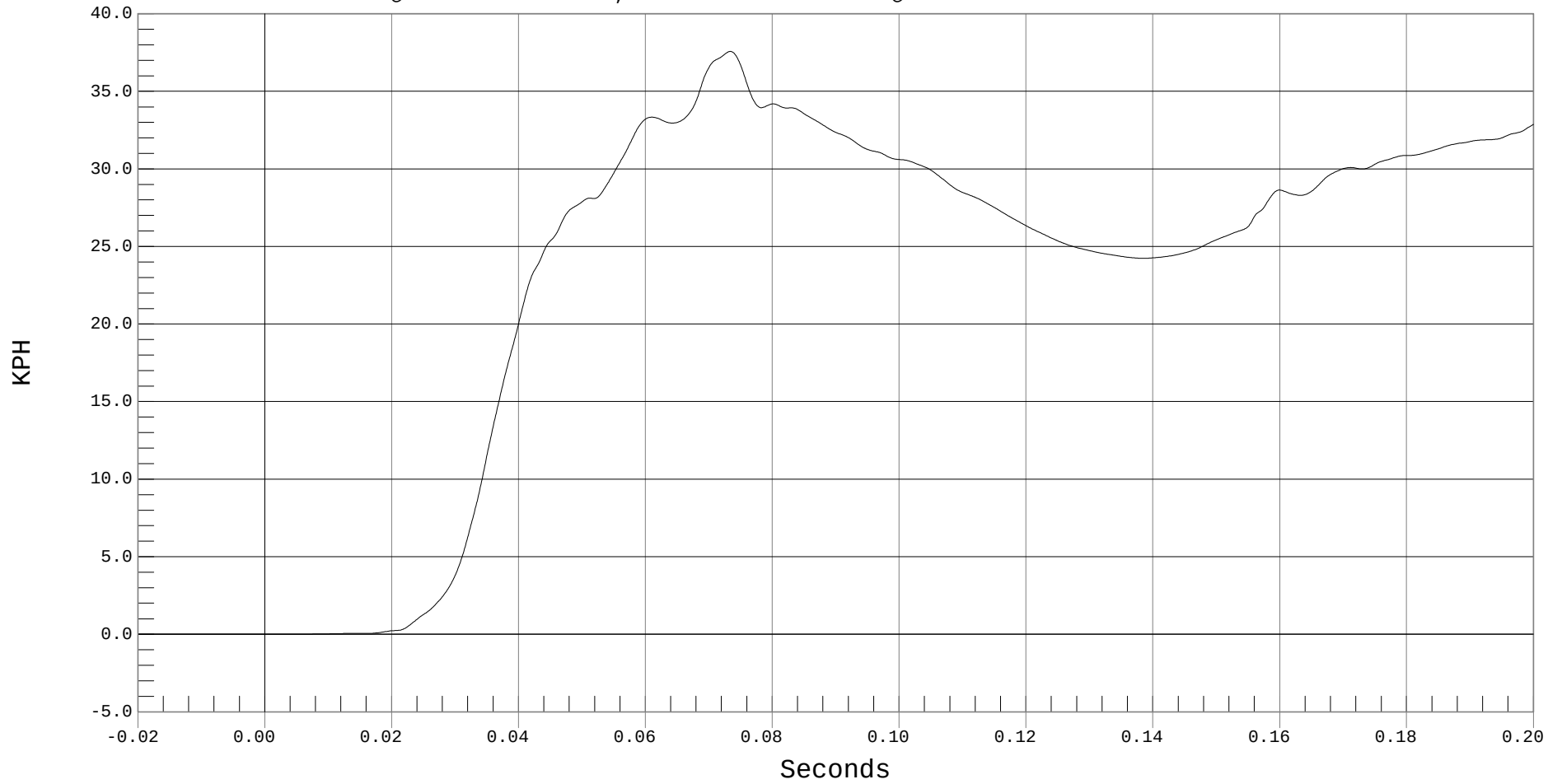
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 DRIVER UPPER RIB Y REDUNDANT VELOCITY, B01049AI.V41

Ymin = 0 KPH @ -0.0090 Seconds, Ymax = 37.57 KPH @ 0.0733 Seconds





DRIVER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

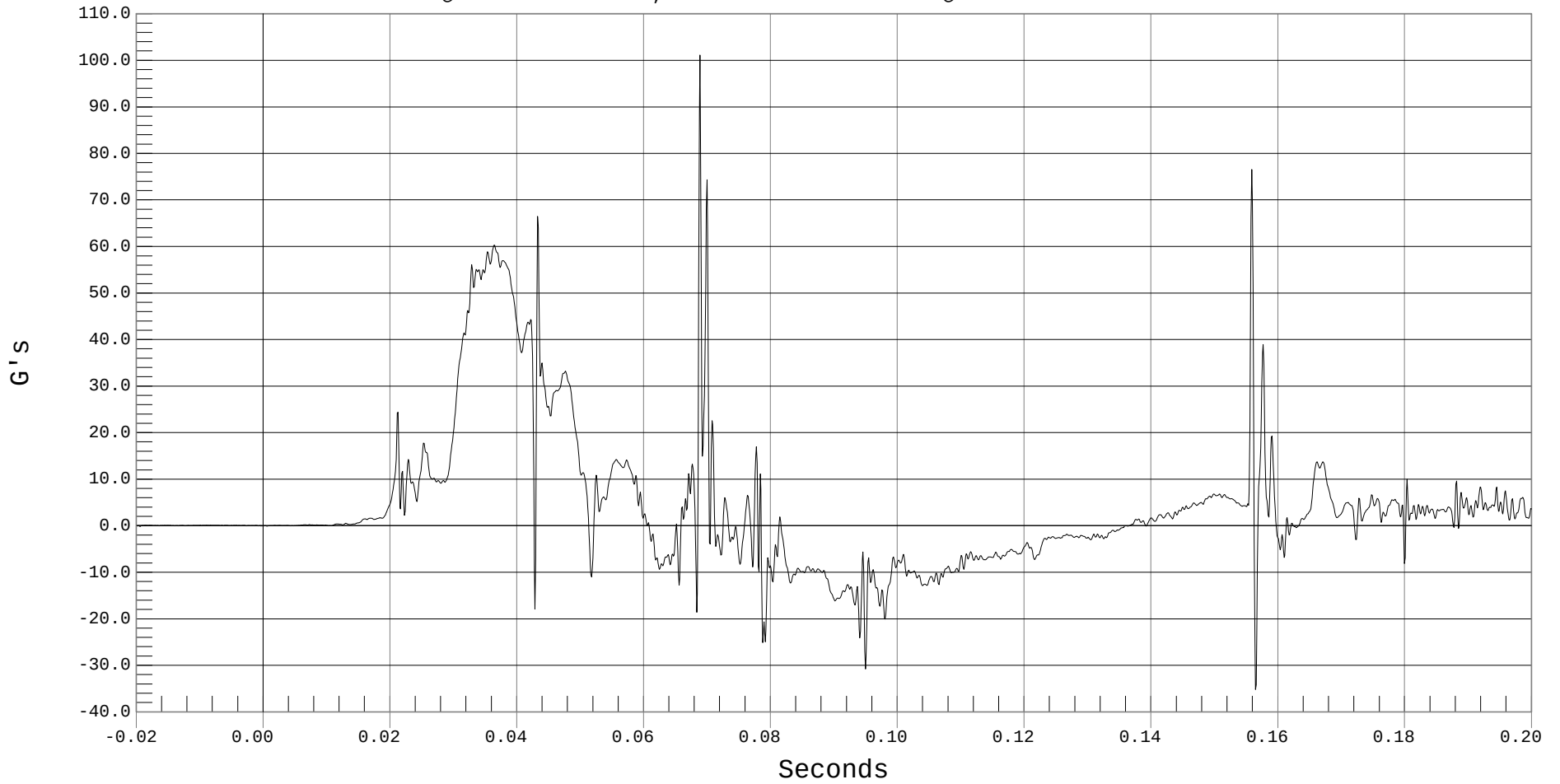
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 DRIVER LOWER RIB Yr, B01049AT.A42

Ymin = -35.22 G's @ 0.1564 Seconds, Ymax = 101.12 G's @ 0.0688 Seconds





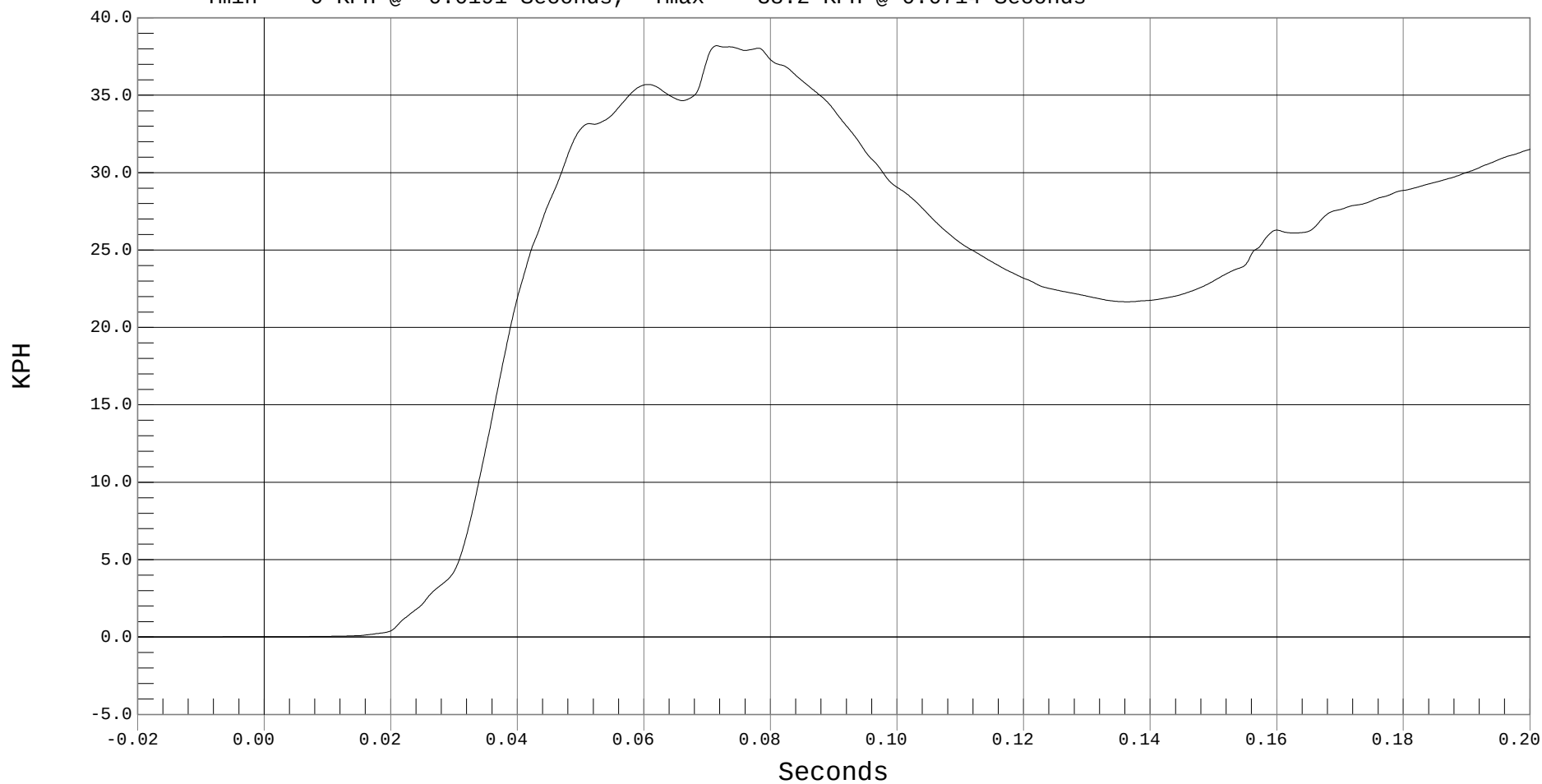
DRIVER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 DRIVER LOWER RIB Y REDUNDANT VELOCITY, B01049AI.V42

Ymin = 0 KPH @ -0.0191 Seconds, Ymax = 38.2 KPH @ 0.0714 Seconds





DRIVER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

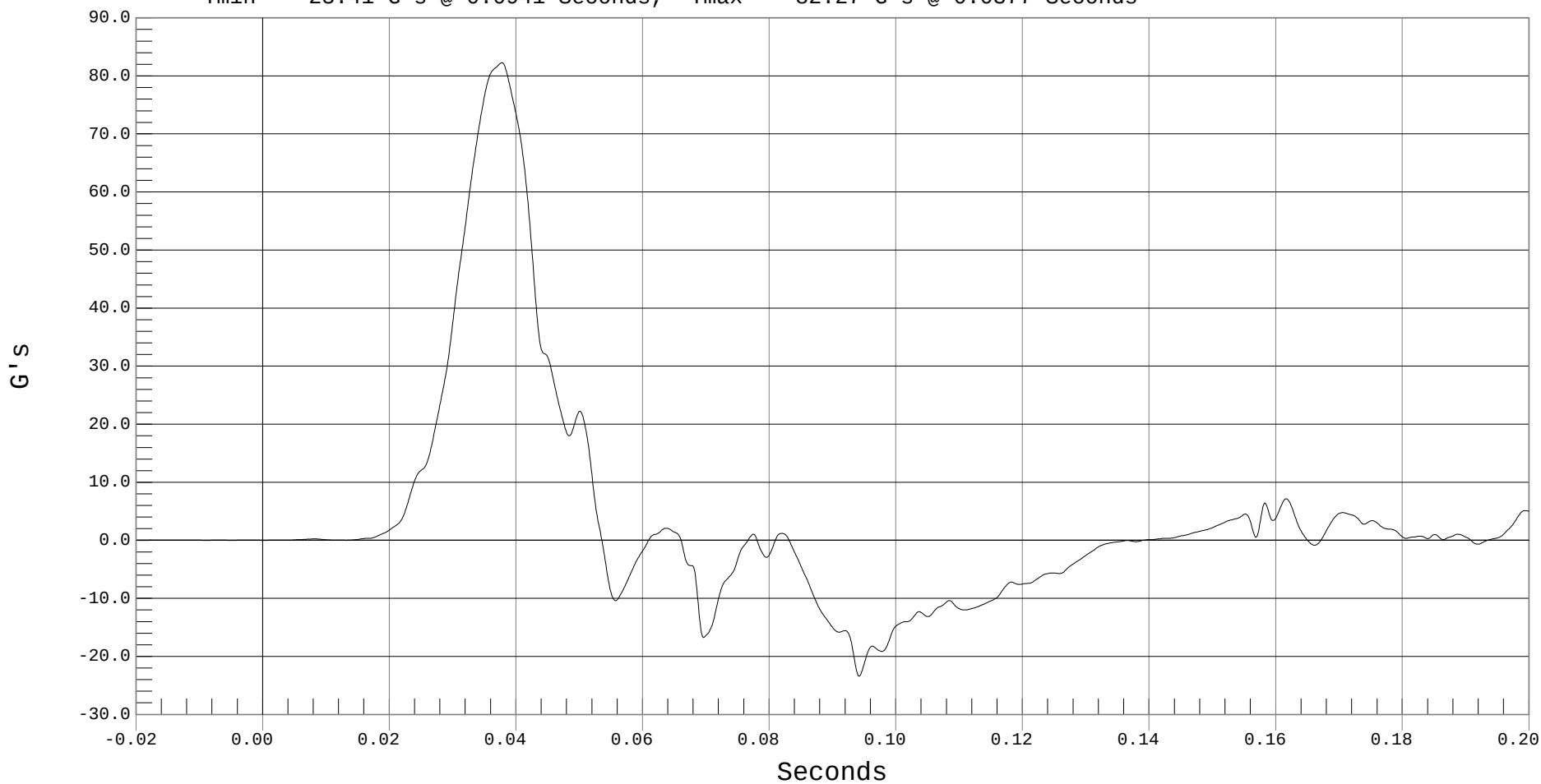
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 DRIVER LOWER SPINE Yr, B01049AF.A43

Ymin = -23.41 G's @ 0.0941 Seconds, Ymax = 82.27 G's @ 0.0377 Seconds





DRIVER LOWER SPINE REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

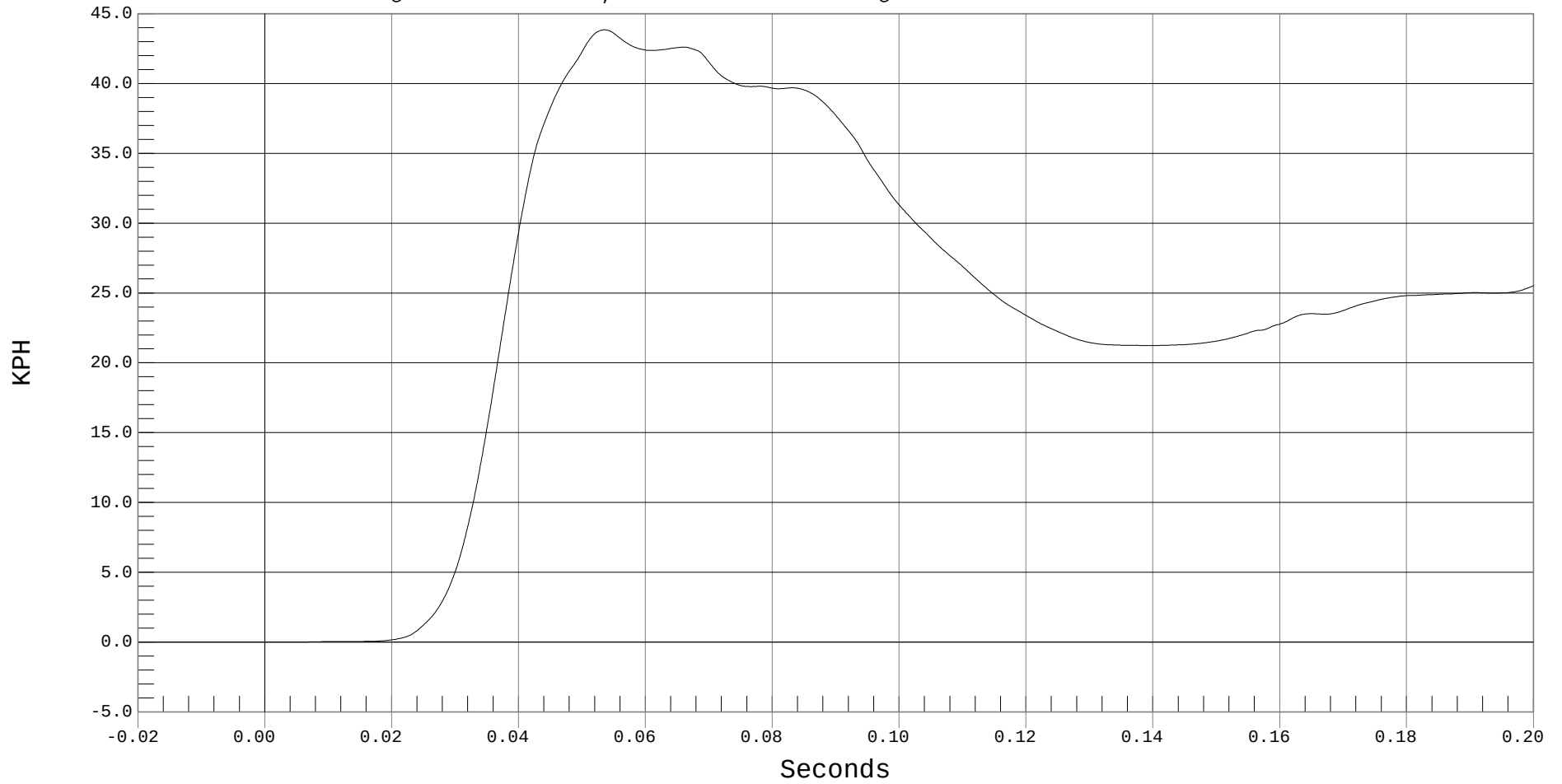
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 DRIVER LOWER SPINE Y REDUNDANT VELOCITY, B01049AI.V43

Ymin = 0 KPH @ 0.0012 Seconds, Ymax = 43.85 KPH @ 0.0535 Seconds





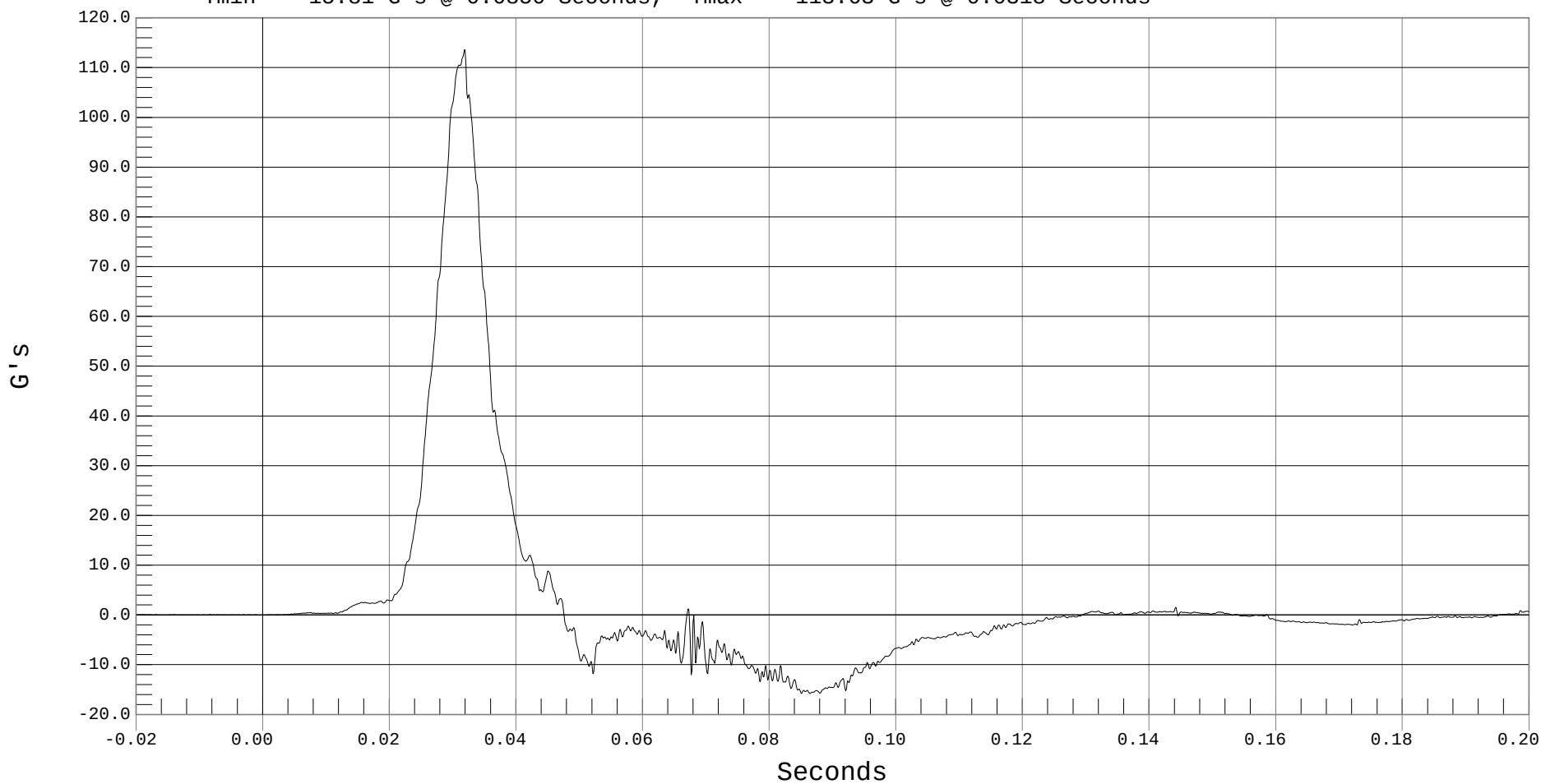
DRIVER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 1000

— 1 DRIVER PELVIS Yr, B01049AT.A44

Ymin = -15.81 G's @ 0.0850 Seconds, Ymax = 113.63 G's @ 0.0318 Seconds





DRIVER PELVIS REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

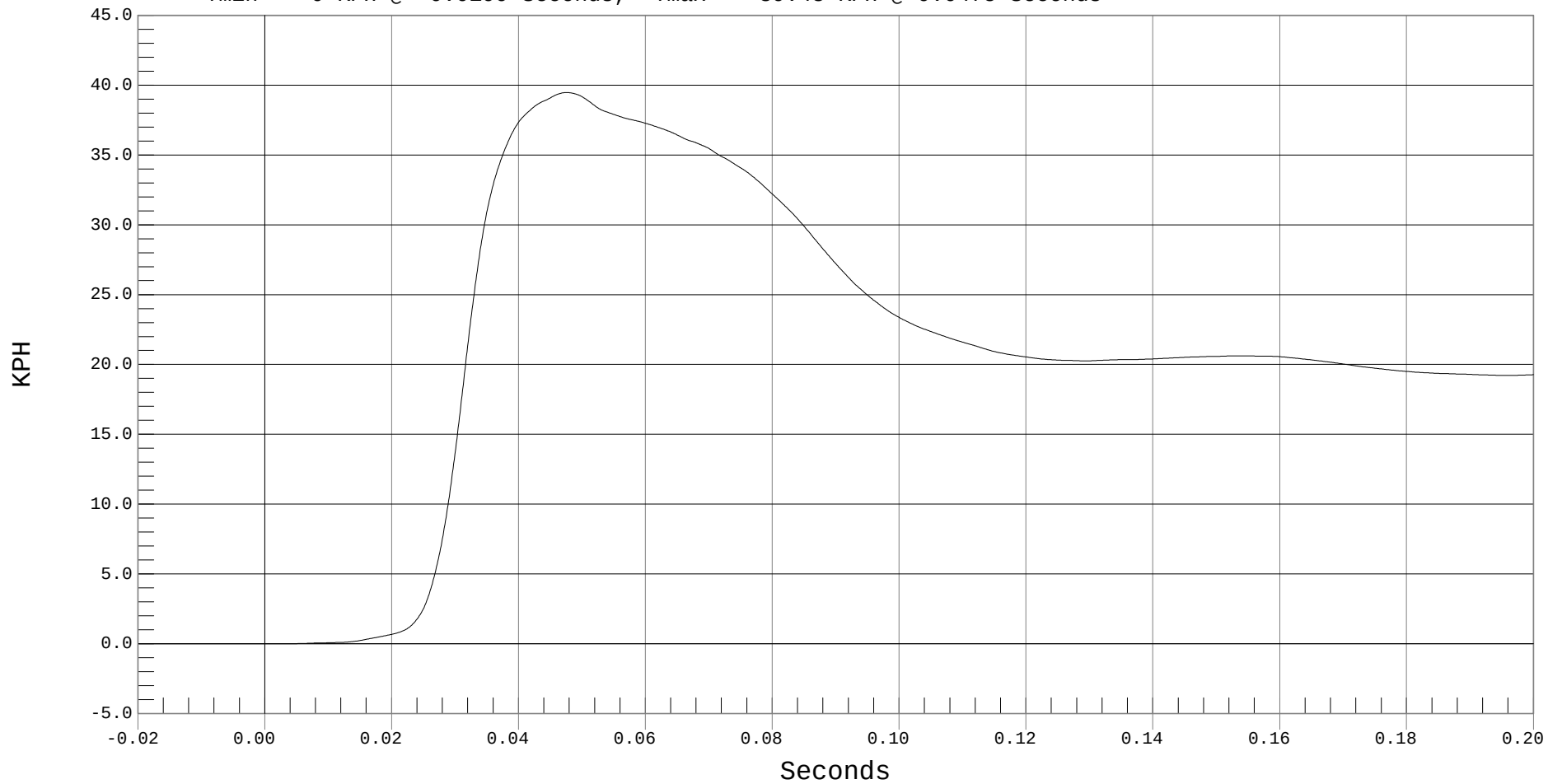
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 DRIVER PELVIS Y REDUNDANT VELOCITY, B01049AI.V44

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 39.48 KPH @ 0.0475 Seconds





PASSENGER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

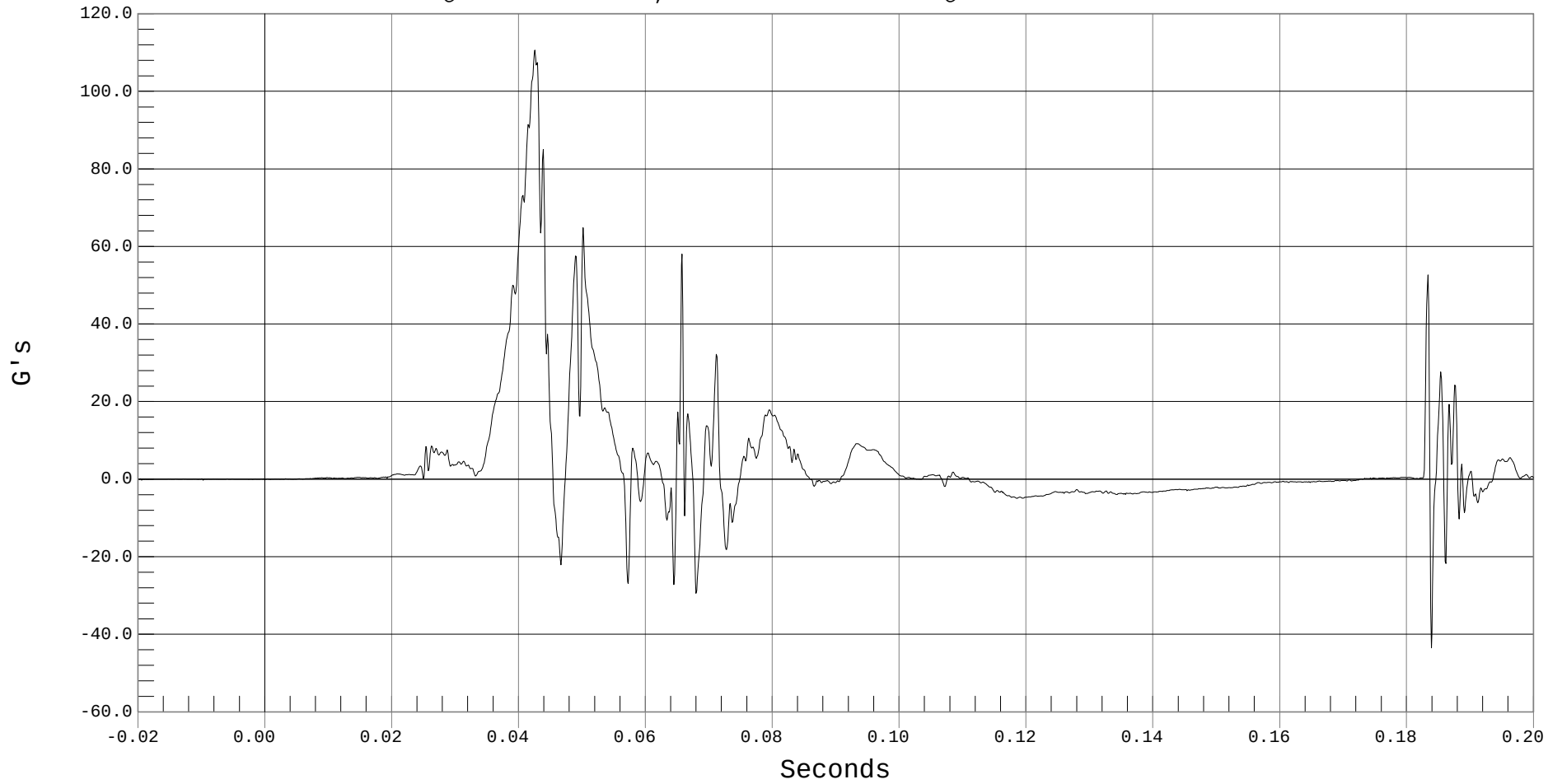
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 PASSENGER UPPER RIB Yr, B01049AT.A45

Ymin = -43.53 G's @ 0.1838 Seconds, Ymax = 110.63 G's @ 0.0425 Seconds





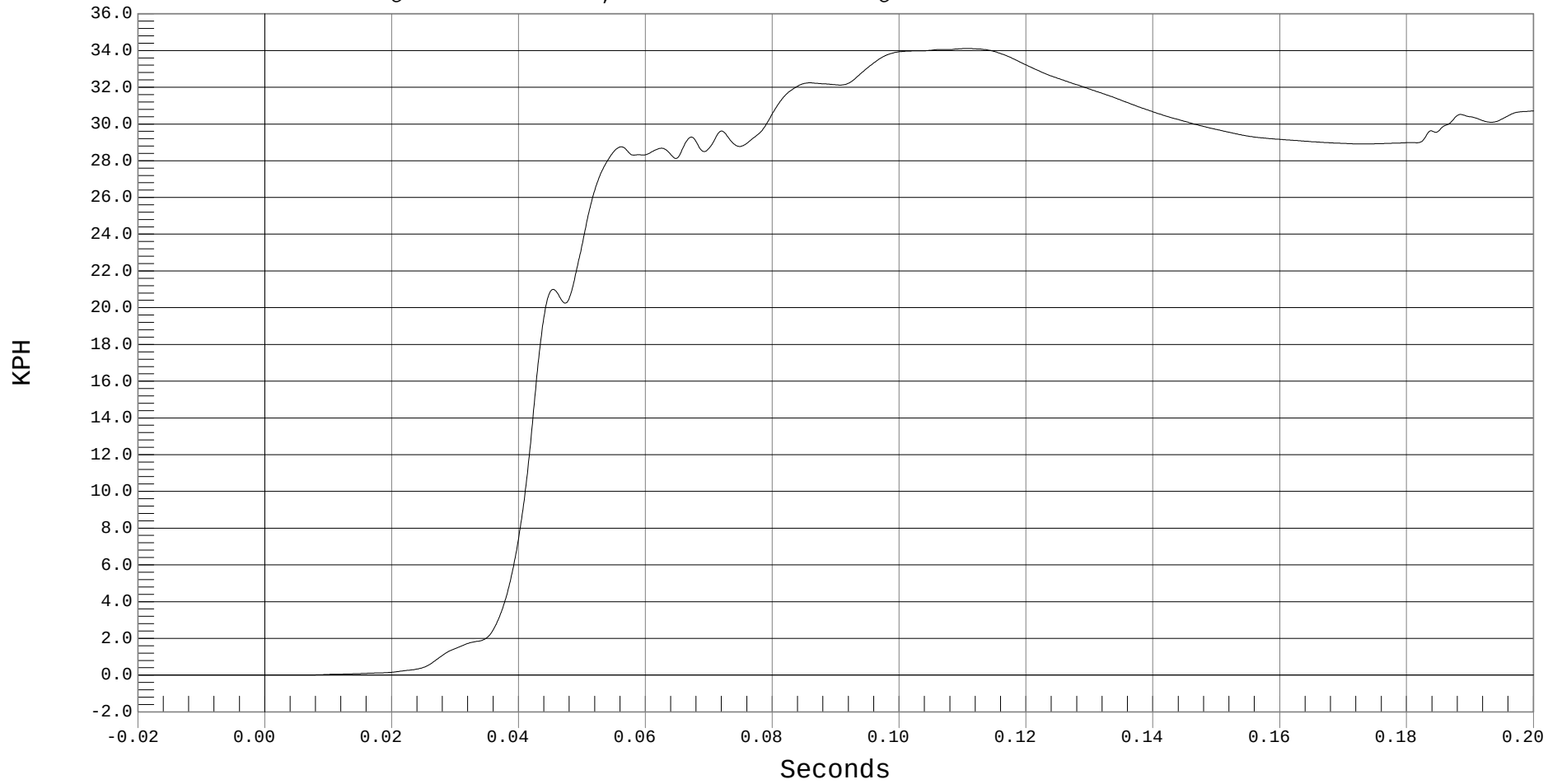
PASSENGER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 REAR PASSENGER UPPER RIB Y REDUNDANT VELOCITY, B01049AI.V45

Ymin = 0 KPH @ 0.0012 Seconds, Ymax = 34.11 KPH @ 0.1107 Seconds





PASSENGER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

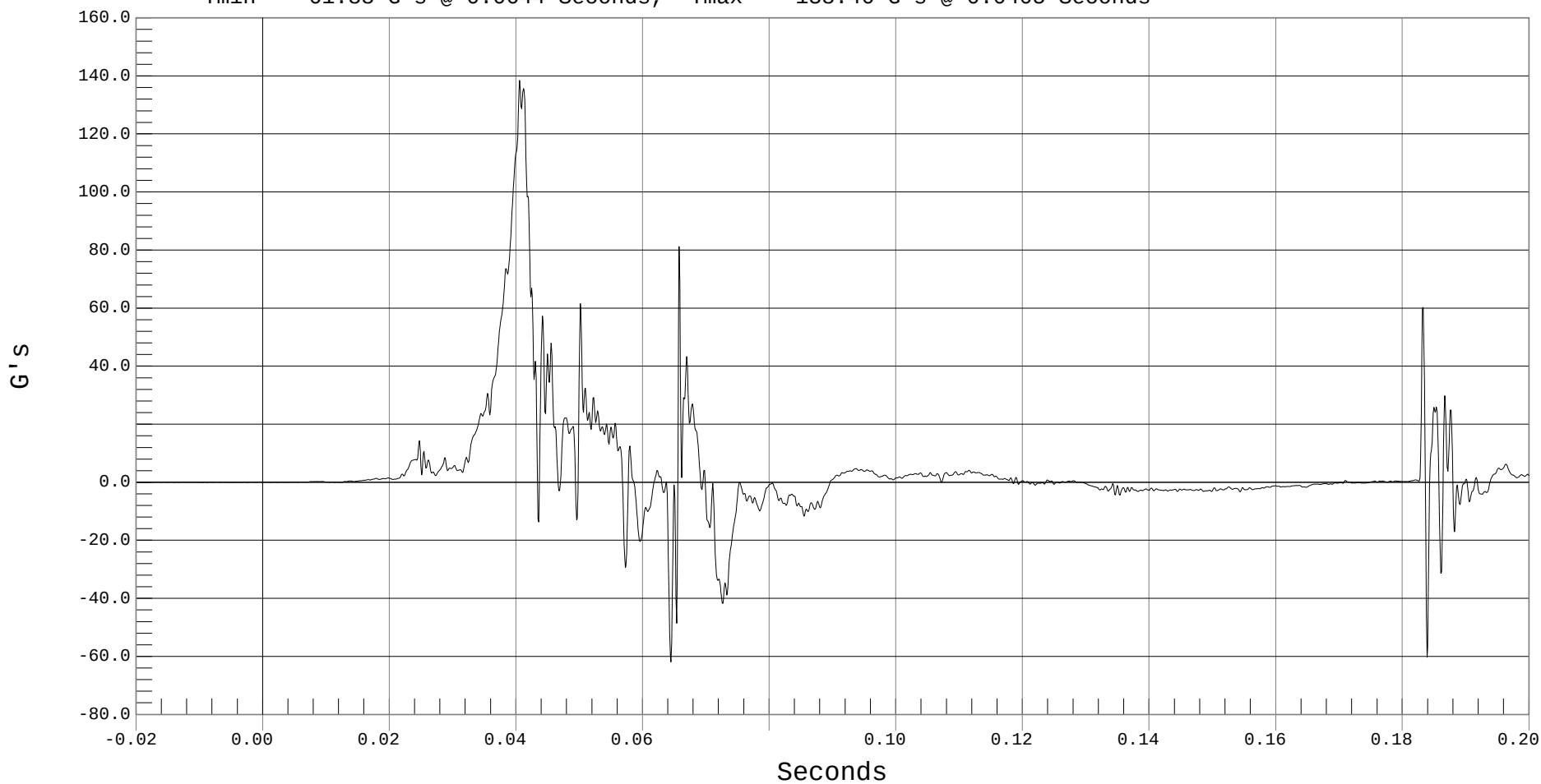
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 PASSENGER LOWER RIB Yr, B01049AT.A46

Ymin = -61.88 G's @ 0.0644 Seconds, Ymax = 138.46 G's @ 0.0405 Seconds





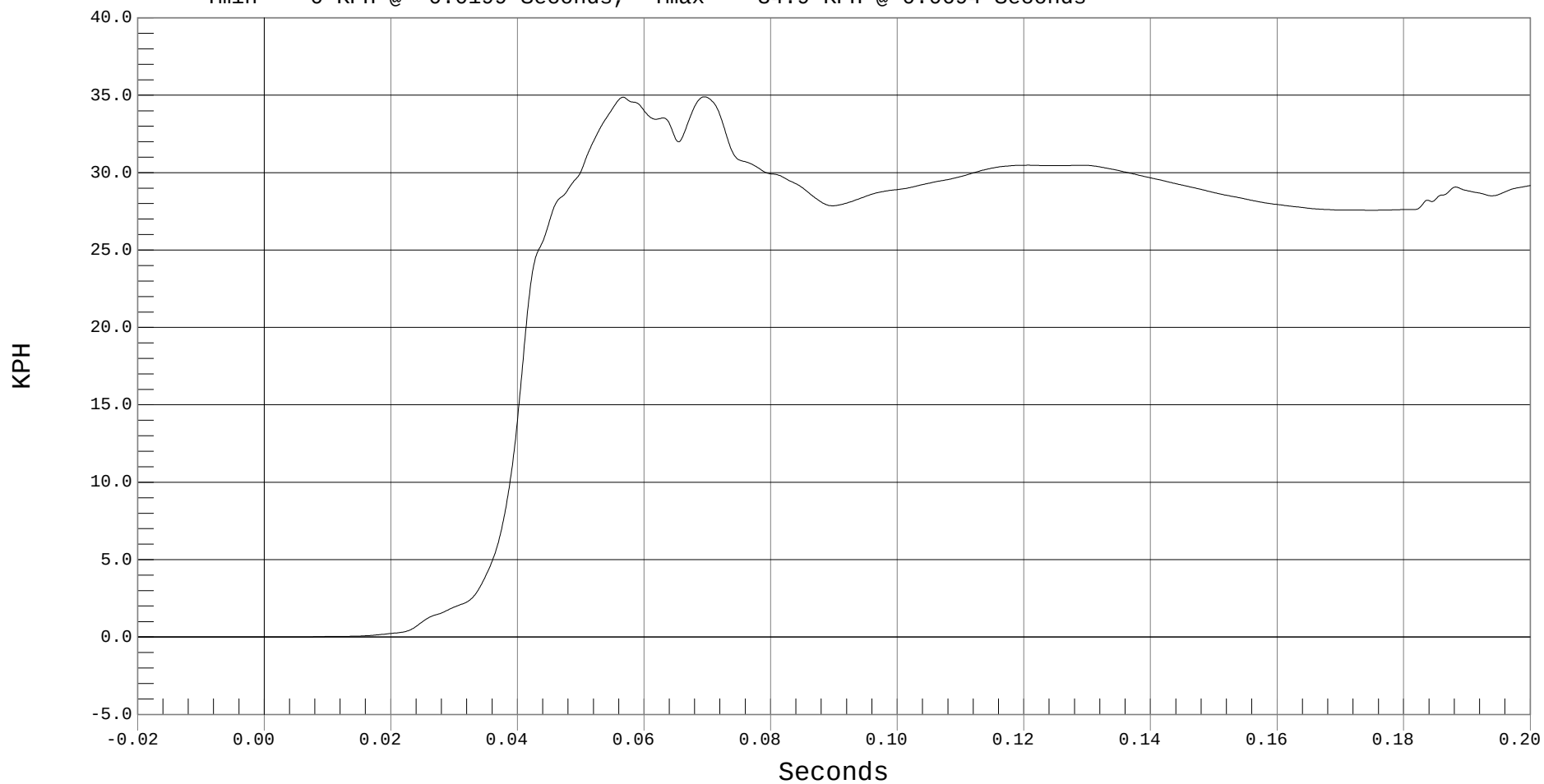
PASSENGER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 REAR PASSENGER LOWER RIB Y REDUNDANT VELOCITY, B01049AI.V46

Ymin = 0 KPH @ -0.0199 Seconds, Ymax = 34.9 KPH @ 0.0694 Seconds





PASSENGER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

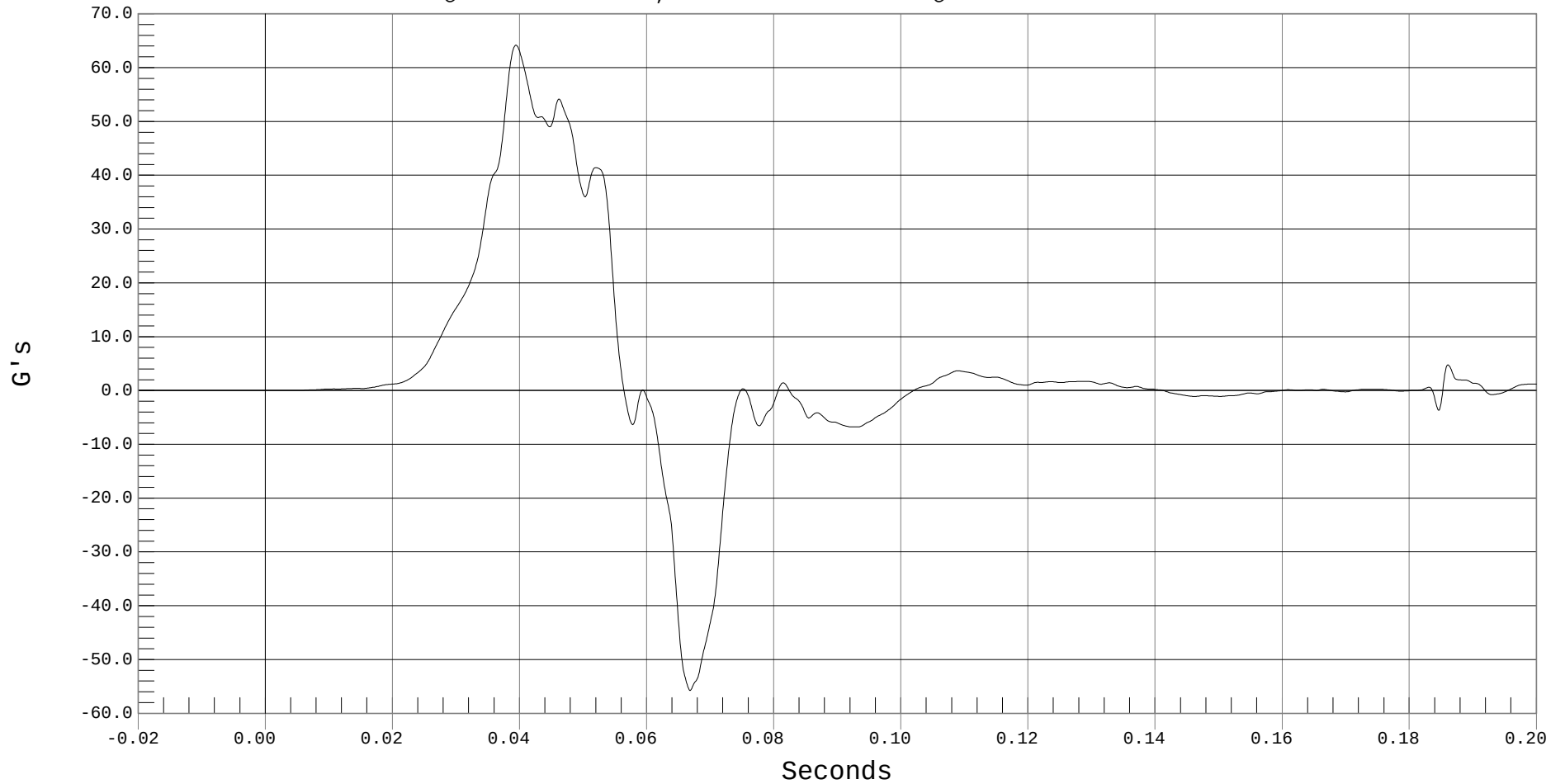
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 PASSENGER LOWER SPINE Yr, B01049AF.A47

Ymin = -55.75 G's @ 0.0667 Seconds, Ymax = 64.17 G's @ 0.0393 Seconds





PASSENGER LOWER SPINE REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

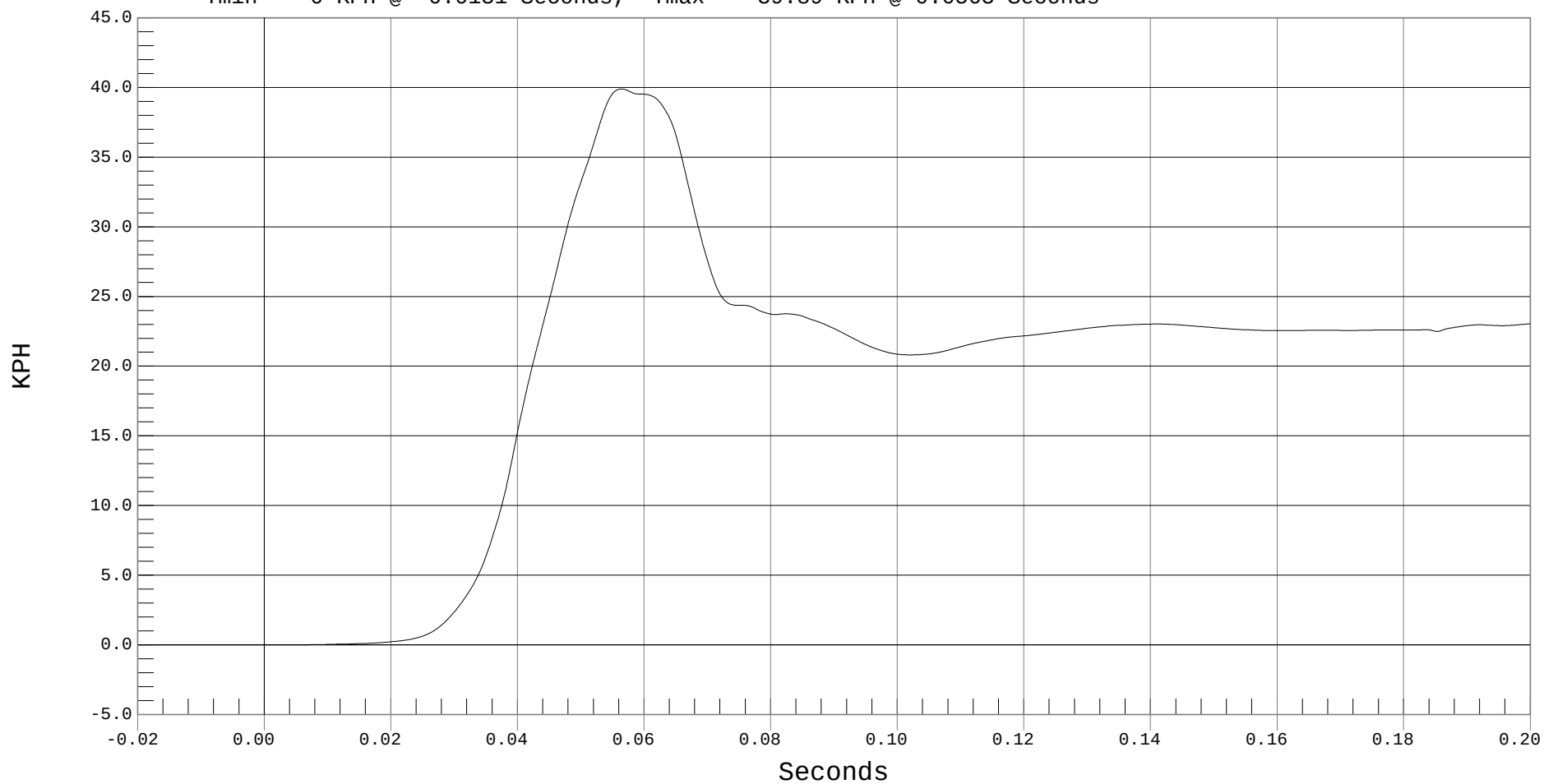
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 180

— 1 REAR PASSENGER LOWER SPINE Y REDUNDANT VELOCITY, B01049AI.V47

Ymin = 0 KPH @ -0.0131 Seconds, Ymax = 39.89 KPH @ 0.0563 Seconds





PASSENGER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

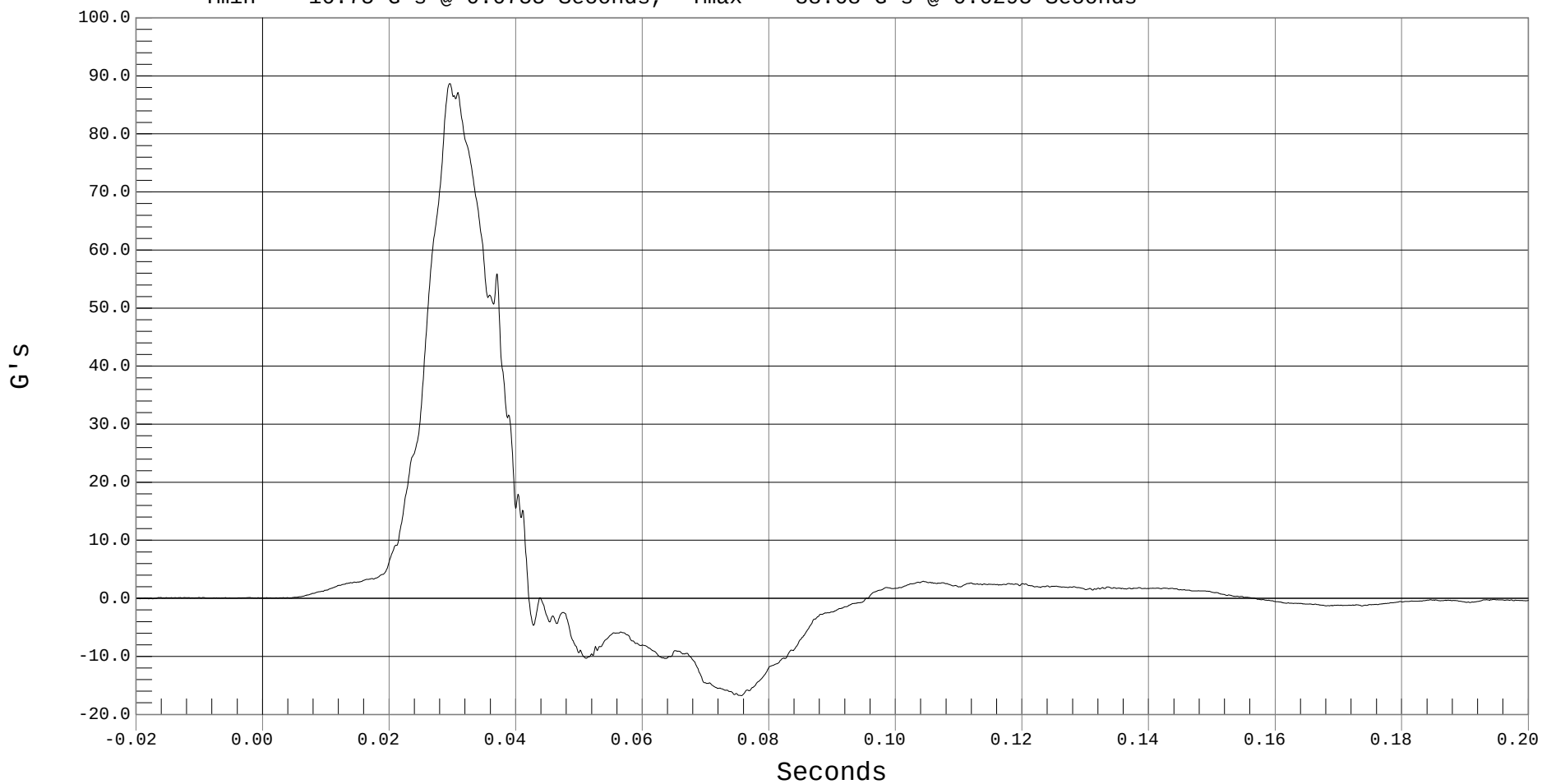
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Filter Class: 1000

— 1 PASSENGER PELVIS Yr, B01049AT.A48

Ymin = -16.75 G's @ 0.0755 Seconds, Ymax = 88.68 G's @ 0.0295 Seconds





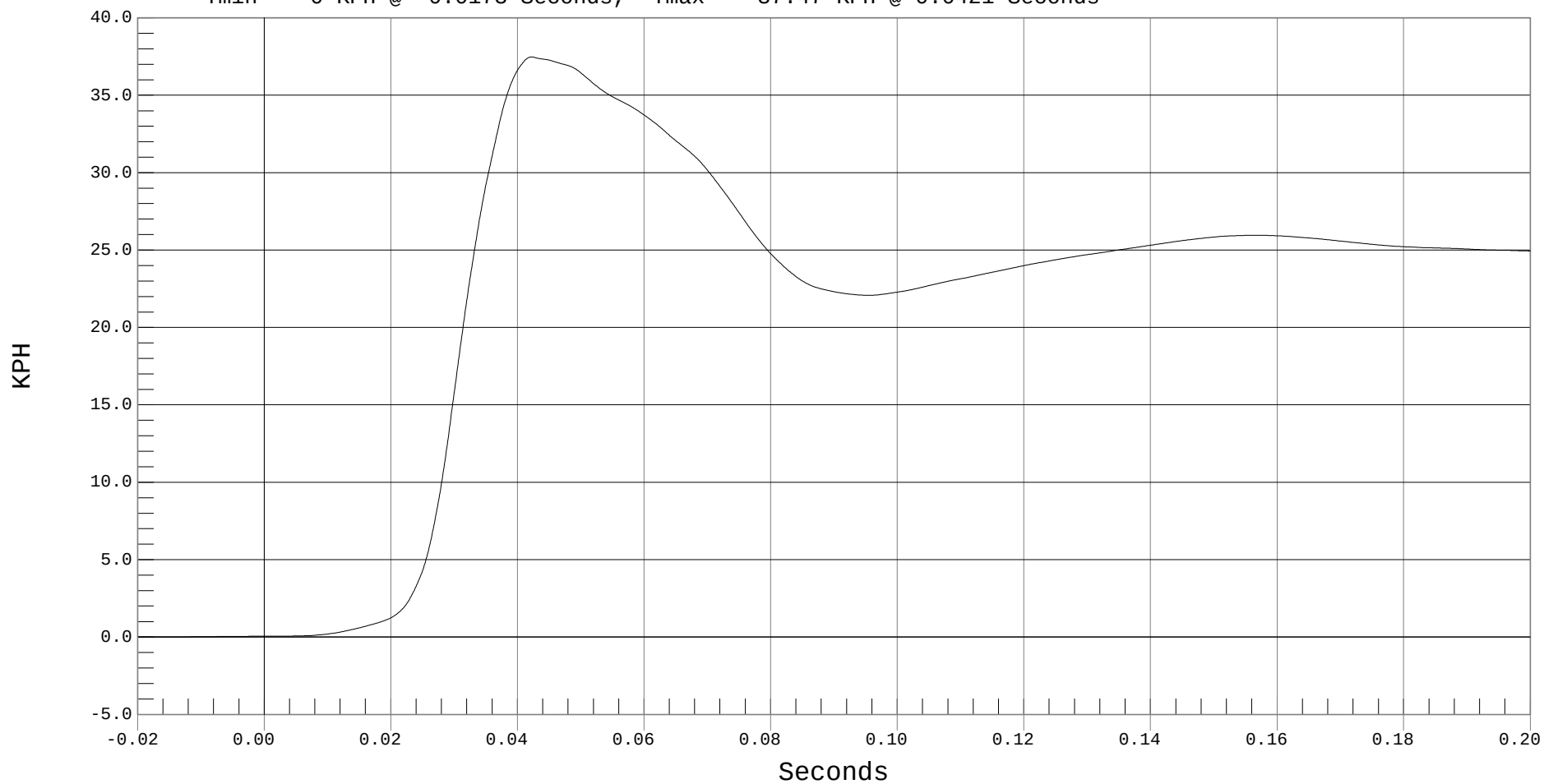
PASSENGER PELVIS REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Filter Class: 180

— 1 REAR PASSENGER PELVIS Y REDUNDANT VELOCITY, B01049AI.V48

Ymin = 0 KPH @ -0.0173 Seconds, Ymax = 37.47 KPH @ 0.0421 Seconds





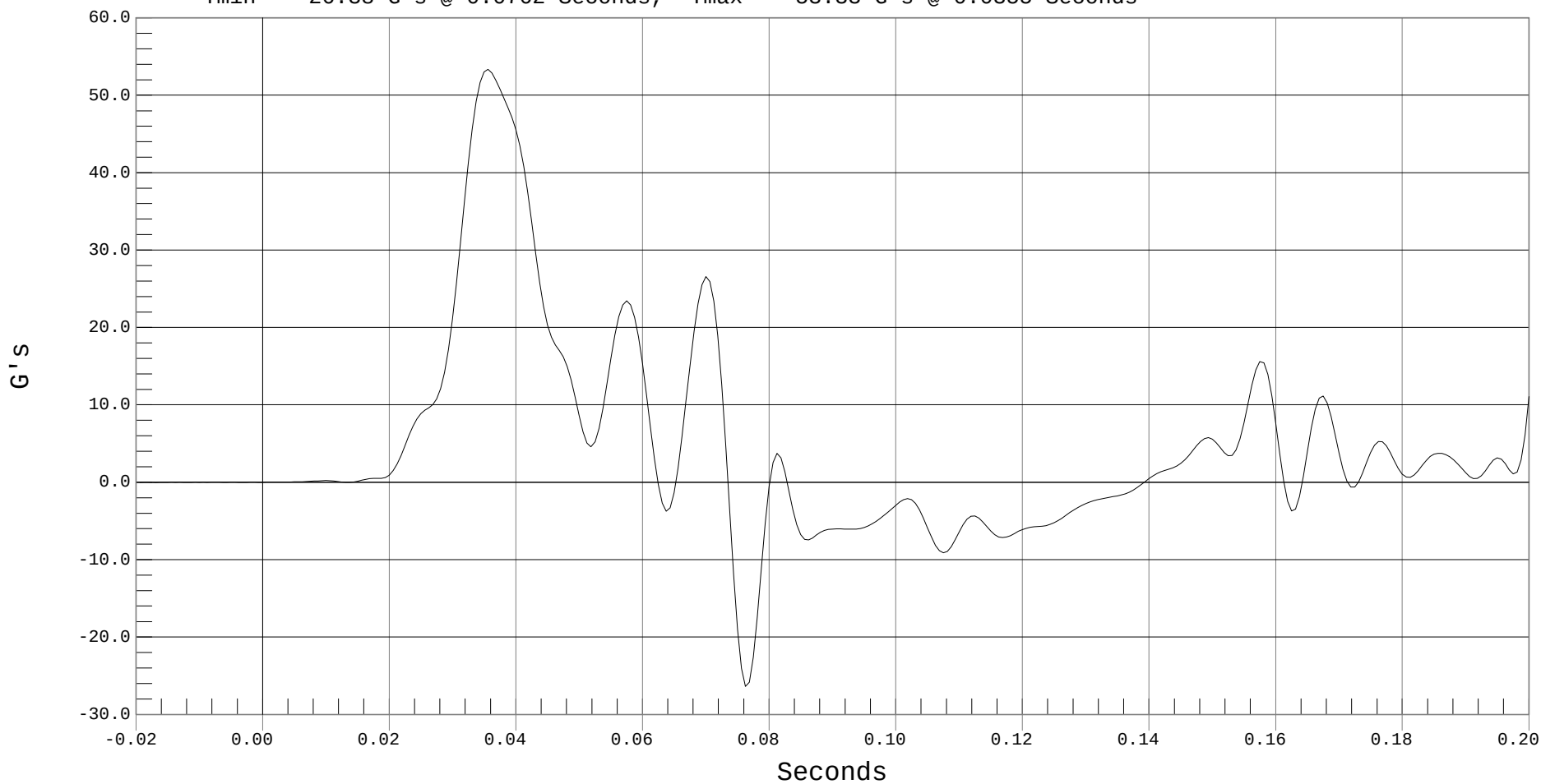
DRIVER UPPER RIB Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER UPPER RIB Y, B01049FI.R04

Ymin = -26.38 G's @ 0.0762 Seconds, Ymax = 53.33 G's @ 0.0355 Seconds





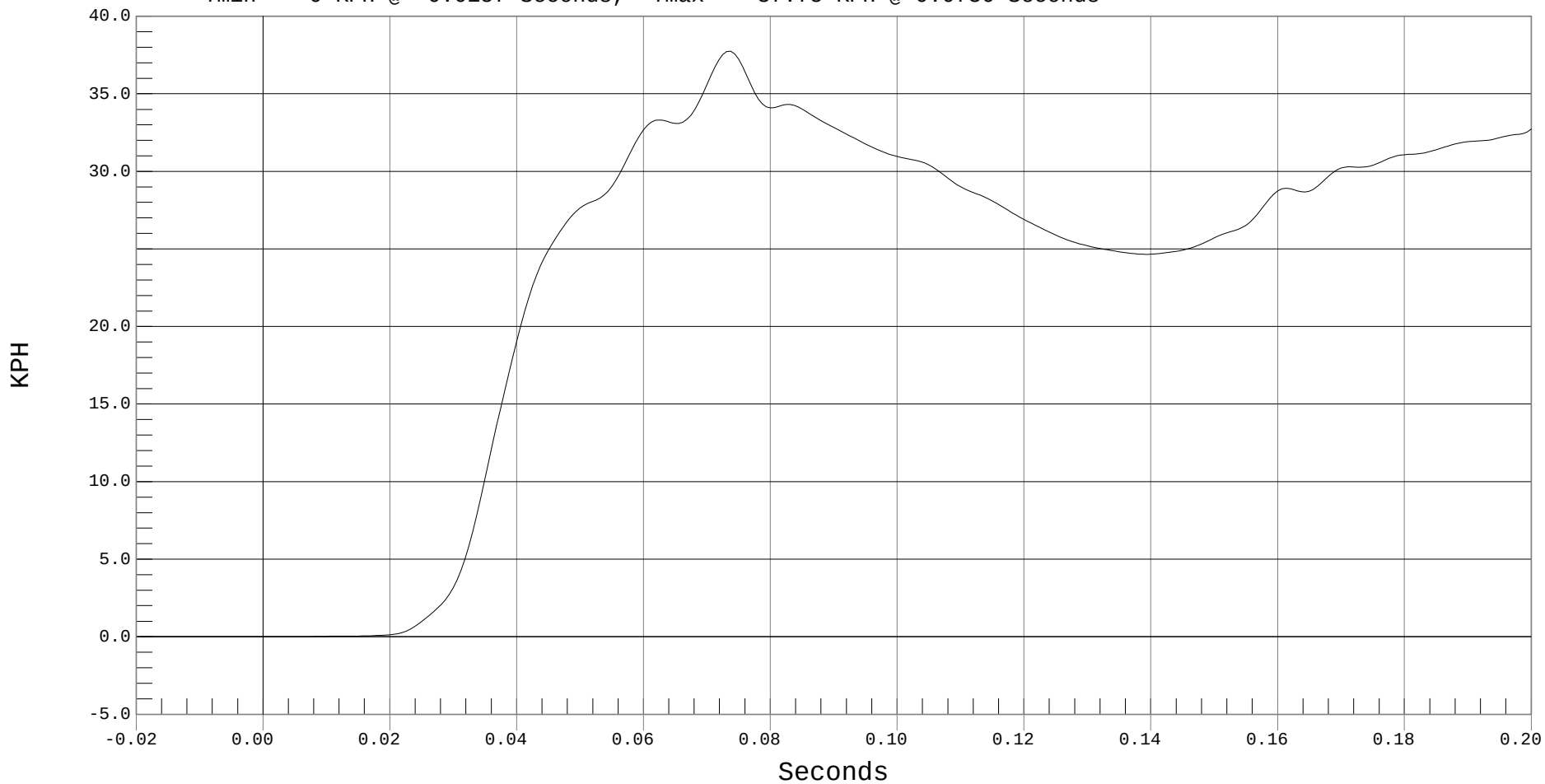
DRIVER UPPER RIB Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER UPPER RIB Y VELOCITY, B01049FI.V04

Ymin = 0 KPH @ -0.0157 Seconds, Ymax = 37.75 KPH @ 0.0736 Seconds





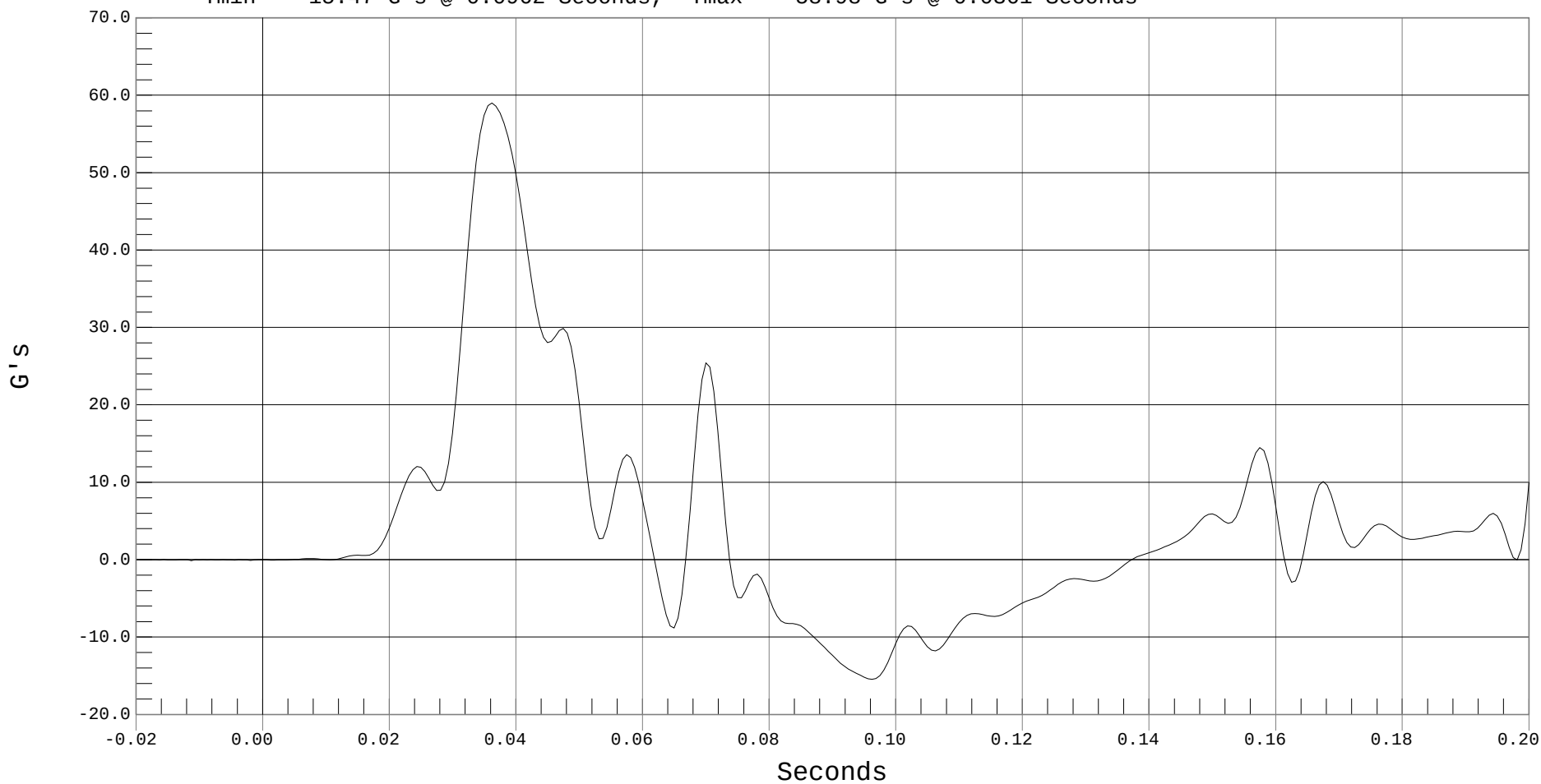
DRIVER LOWER RIB Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER LOWER RIB Y, B01049FI.R05

Ymin = -15.47 G's @ 0.0962 Seconds, Ymax = 58.98 G's @ 0.0361 Seconds





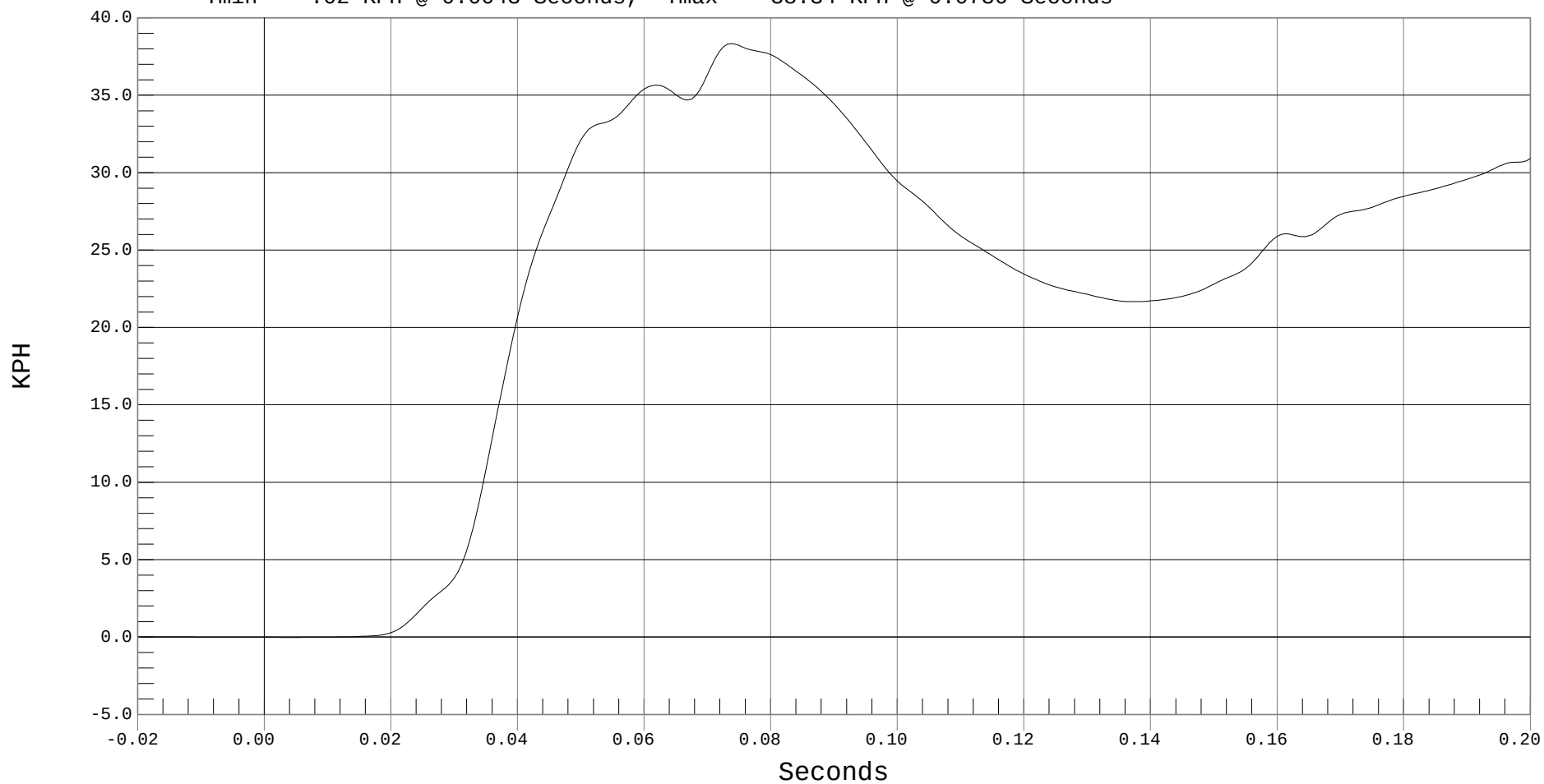
DRIVER LOWER RIB Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER LOWER RIB Y VELOCITY, B01049FI.V05

Ymin = -.02 KPH @ 0.0043 Seconds, Ymax = 38.34 KPH @ 0.0736 Seconds





DRIVER LOWER SPINE Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

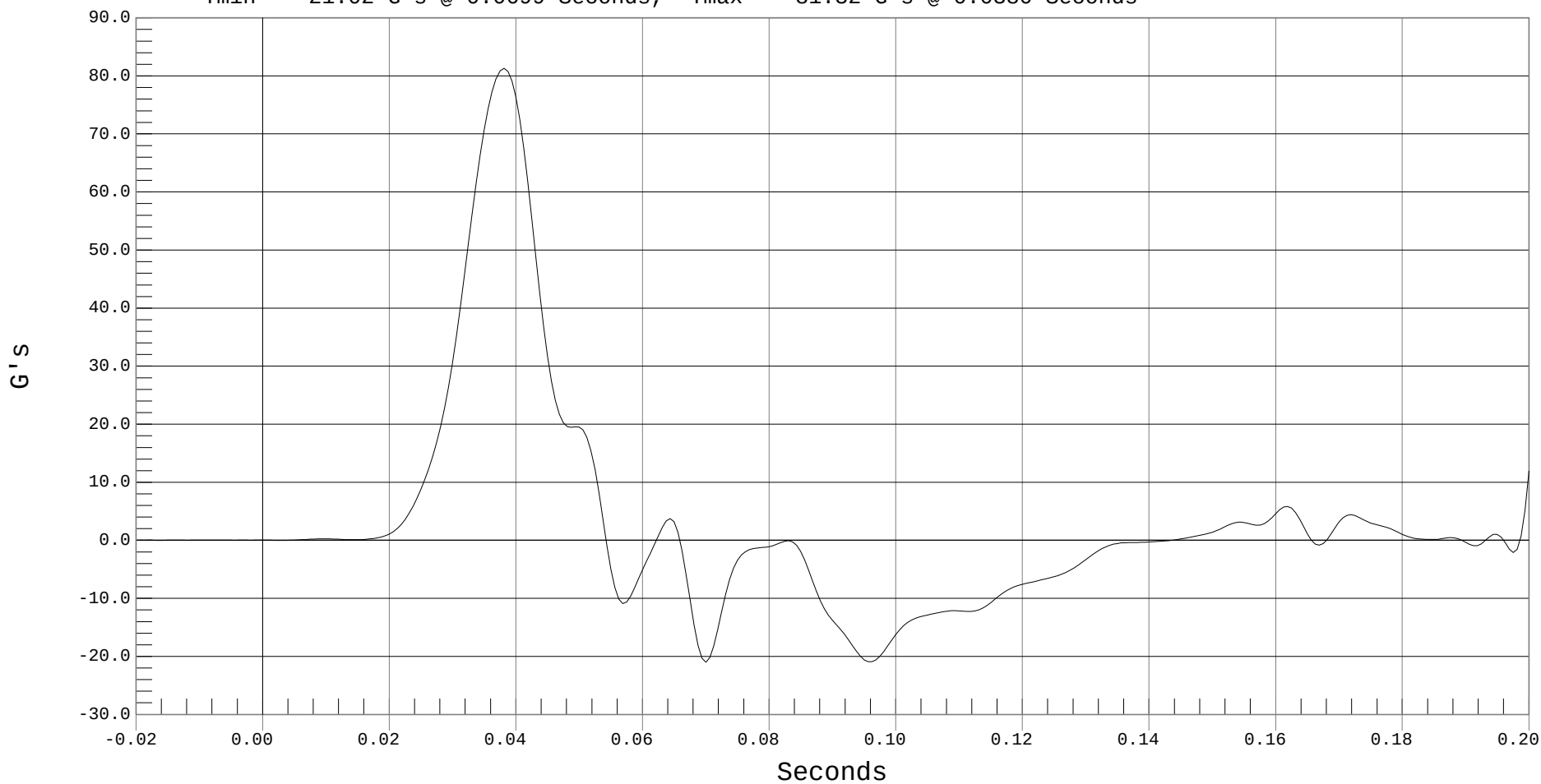
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 DRIVER LOWER SPINE Y, B01049FI.R06

Ymin = -21.02 G's @ 0.0699 Seconds, Ymax = 81.32 G's @ 0.0380 Seconds





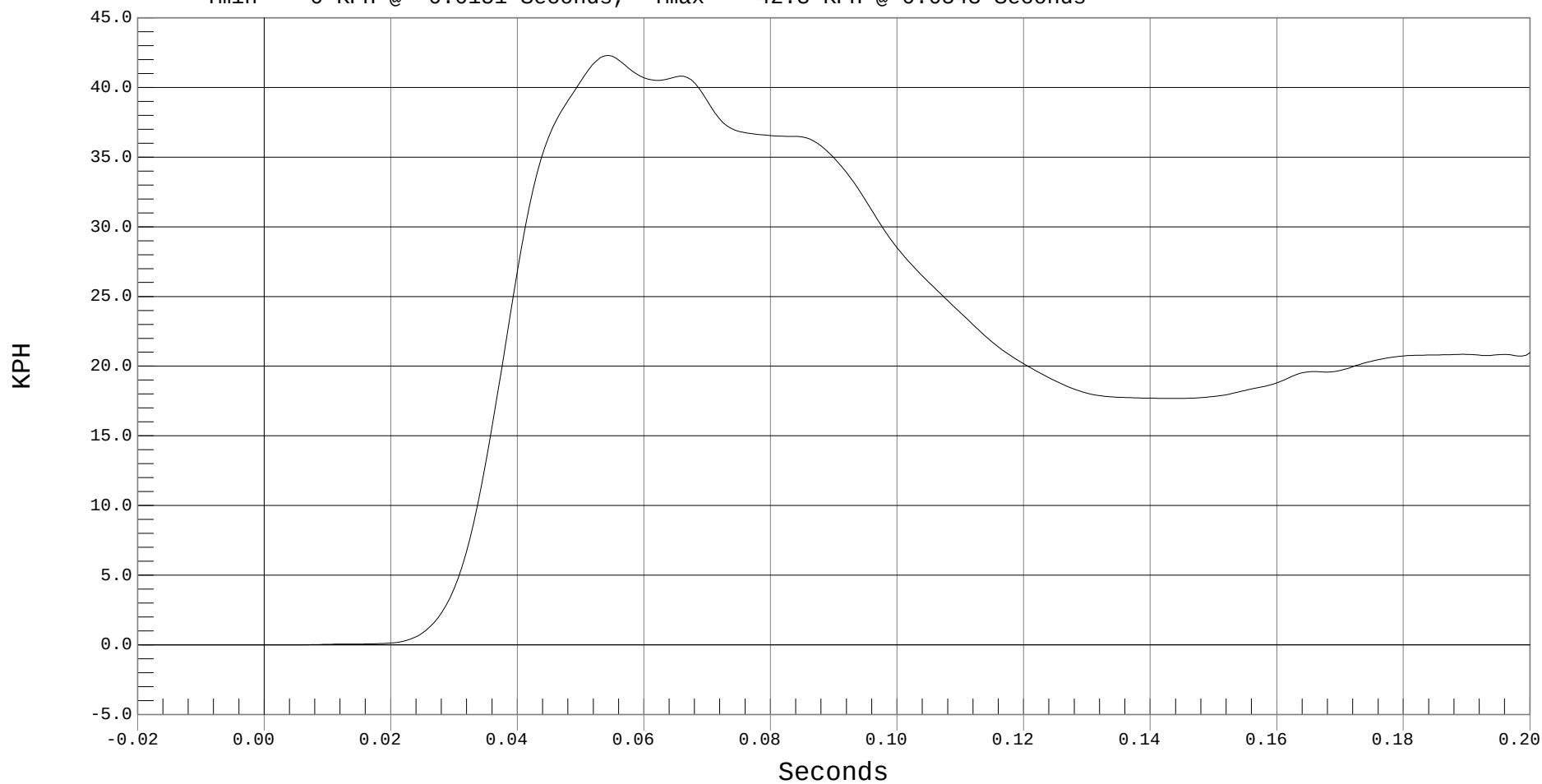
DRIVER LOWER SPINE Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER LOWER SPINE Y VELOCITY, B01049FI.V06

Ymin = 0 KPH @ -0.0151 Seconds, Ymax = 42.3 KPH @ 0.0543 Seconds





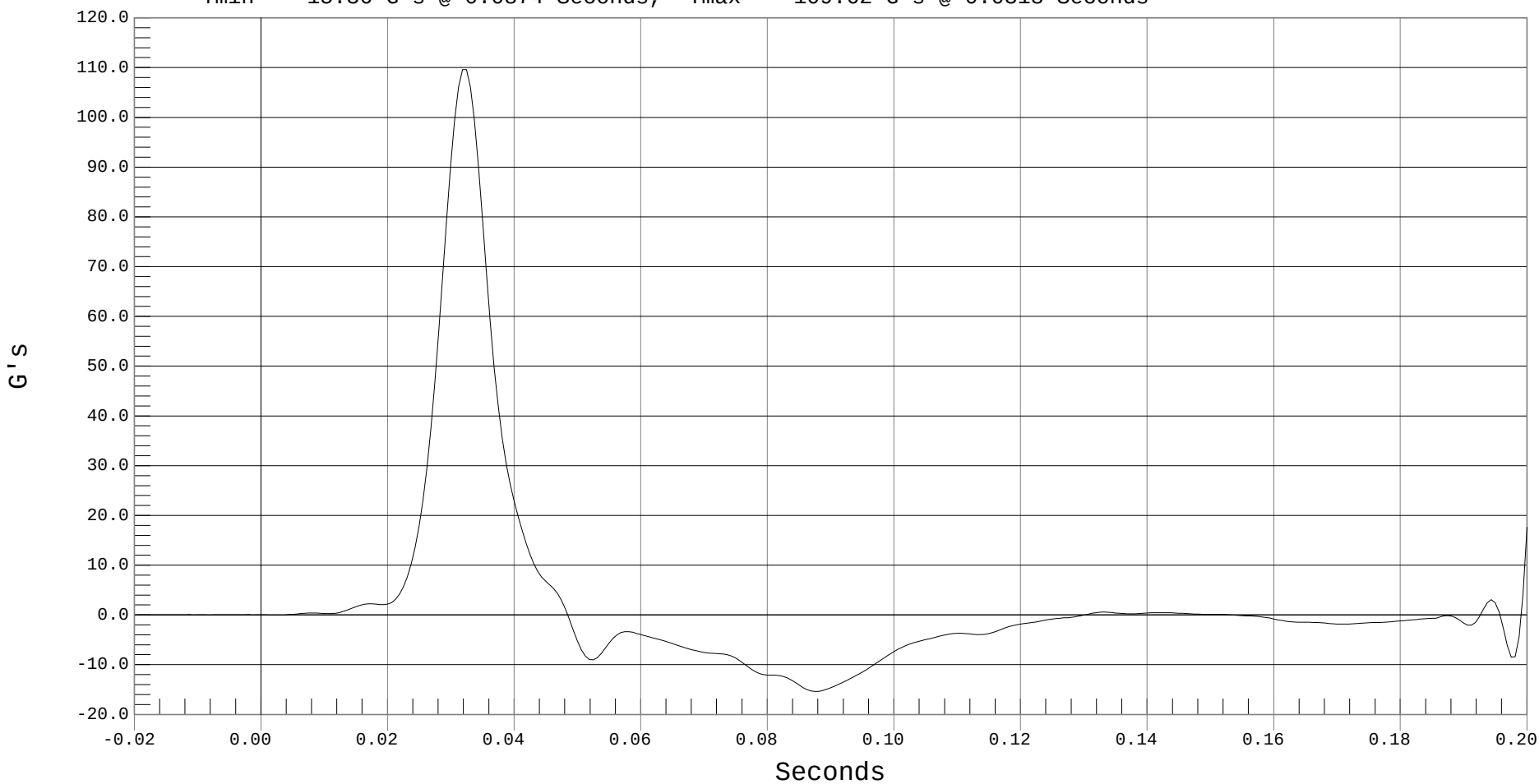
DRIVER PELVIS Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER PELVIS Y, B01049FI.R07

Ymin = -15.36 G's @ 0.0874 Seconds, Ymax = 109.62 G's @ 0.0318 Seconds





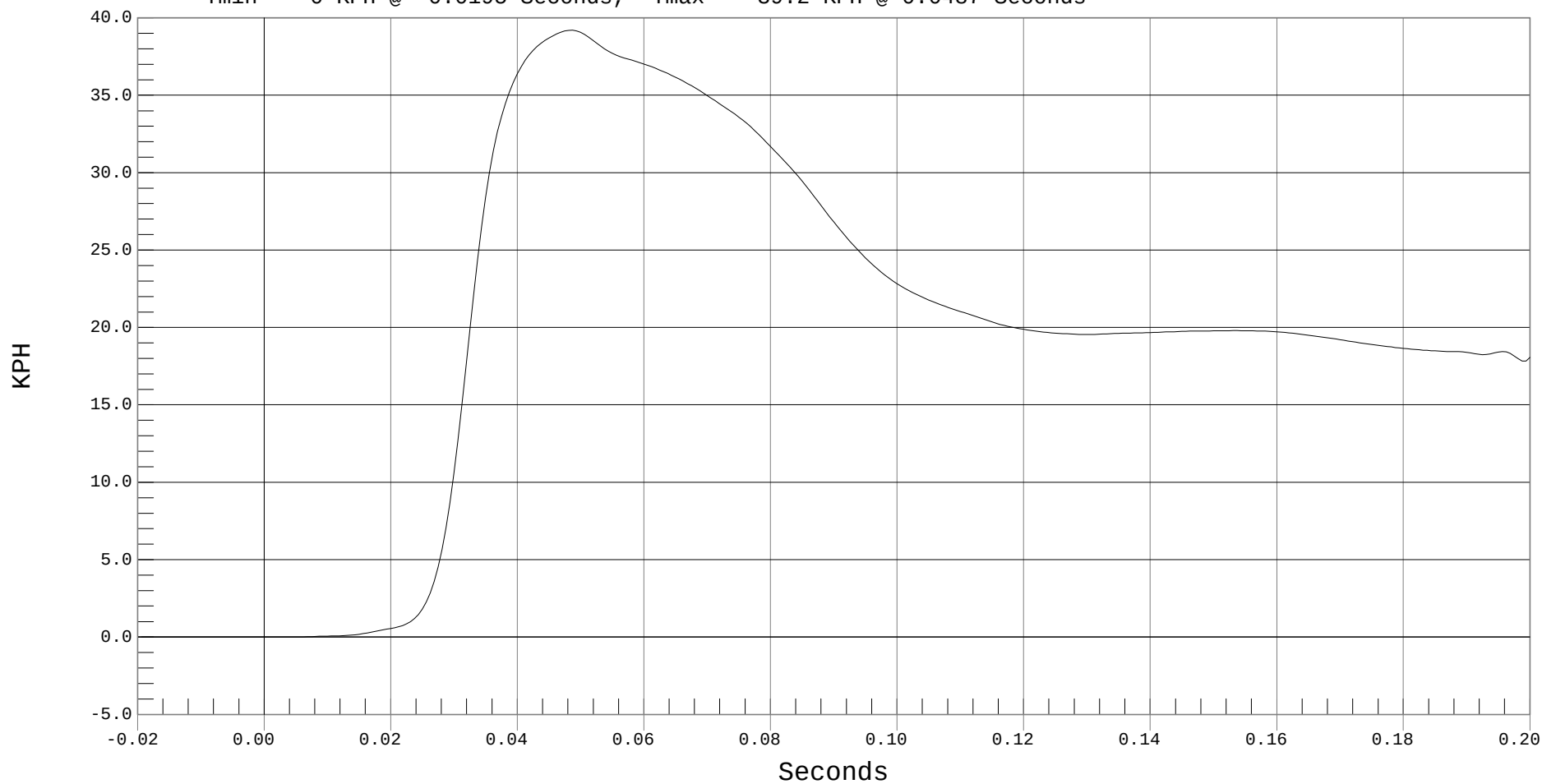
DRIVER PELVIS Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER PELVIS Y VELOCITY, B01049FI.V07

Ymin = 0 KPH @ -0.0195 Seconds, Ymax = 39.2 KPH @ 0.0487 Seconds





REAR PASSENGER UPPER RIB Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

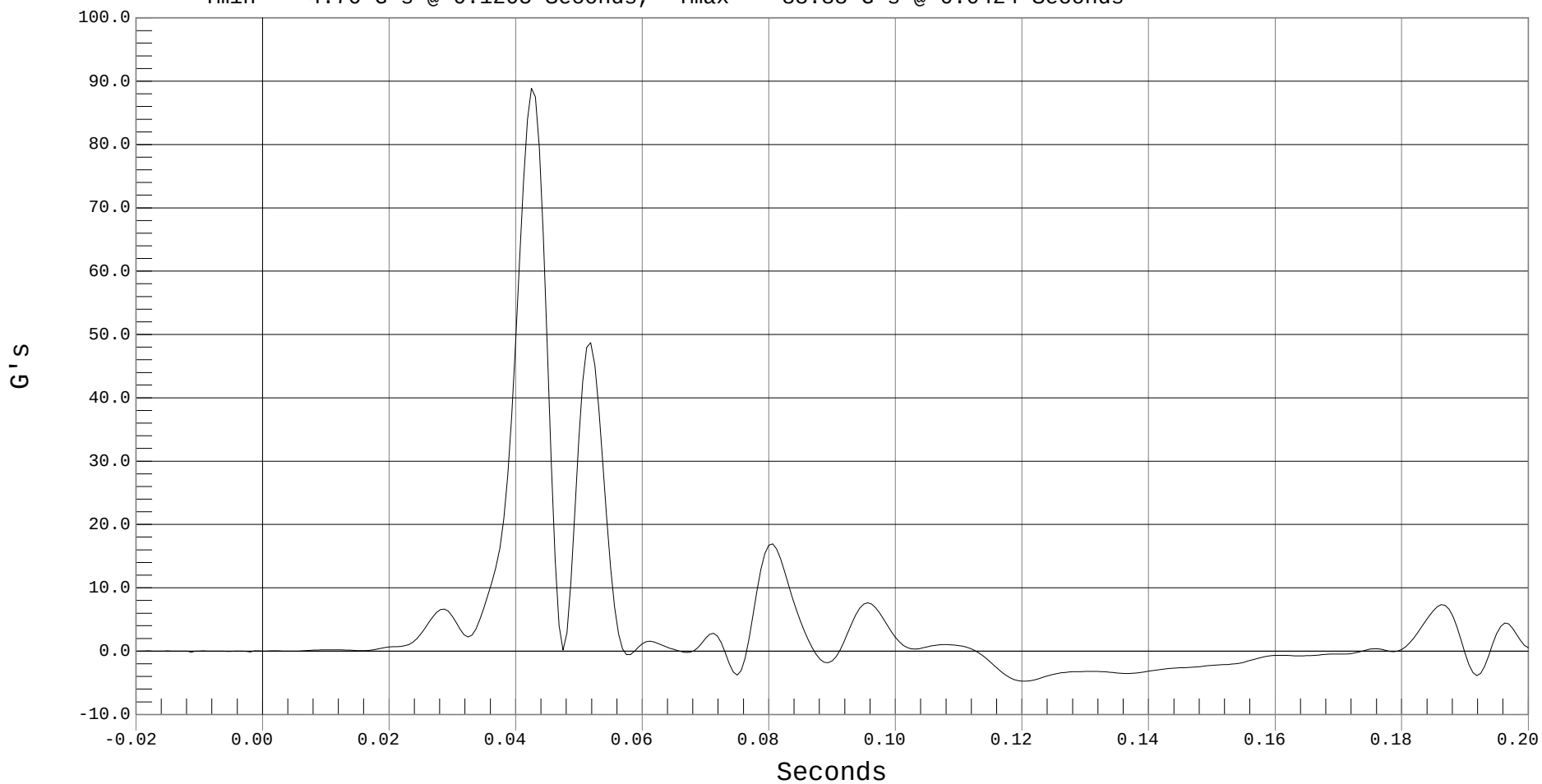
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 PASSENGER UPPER RIB Y, B01049FI.R11

Ymin = -4.76 G's @ 0.1205 Seconds, Ymax = 88.88 G's @ 0.0424 Seconds





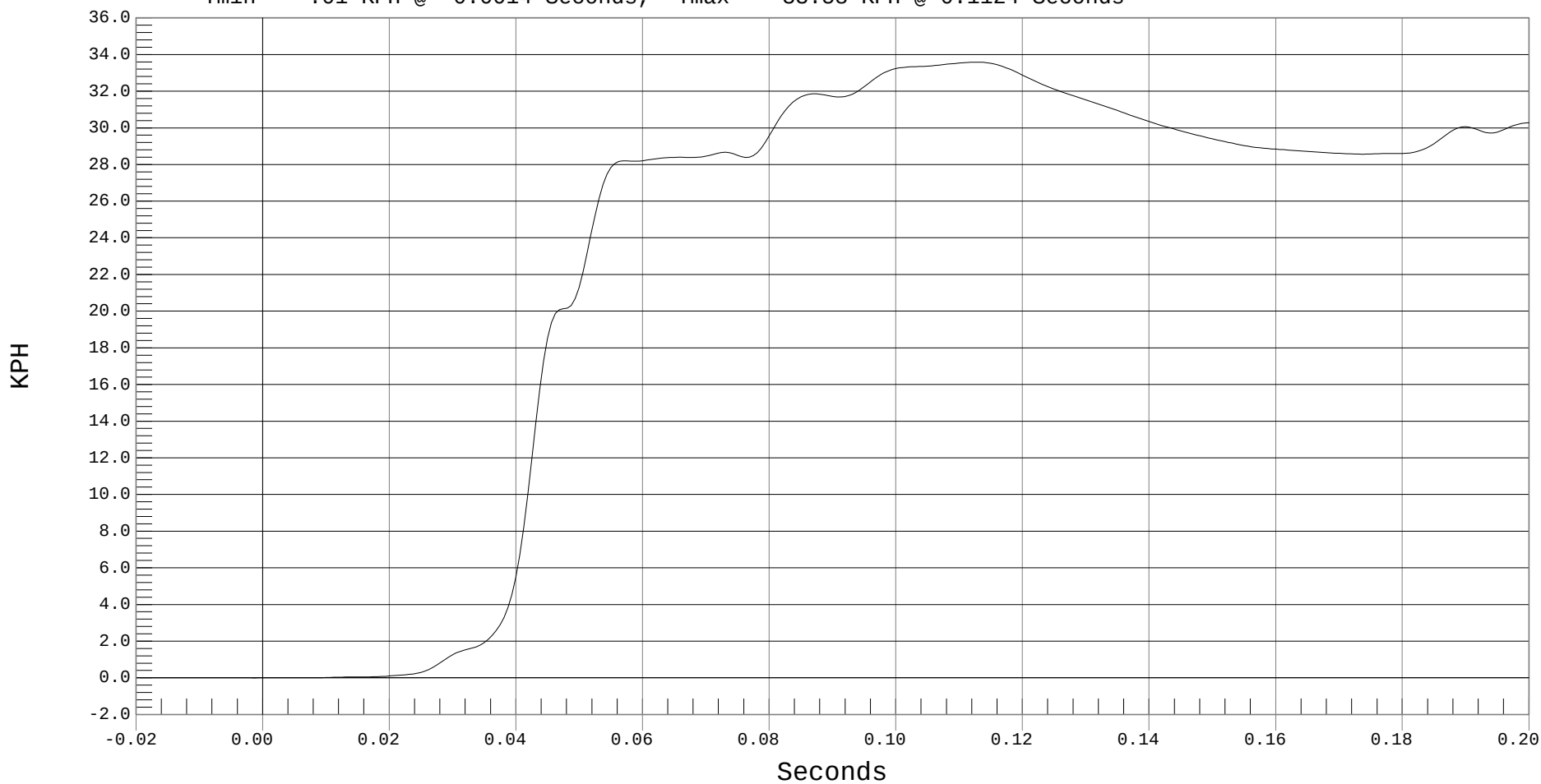
REAR PASSENGER UPPER RIB Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 REAR PASSENGER UPPER RIB Y VELOCITY, B01049FI.V11

Ymin = -.01 KPH @ -0.0014 Seconds, Ymax = 33.58 KPH @ 0.1124 Seconds





REAR PASSENGER LOWER RIB Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

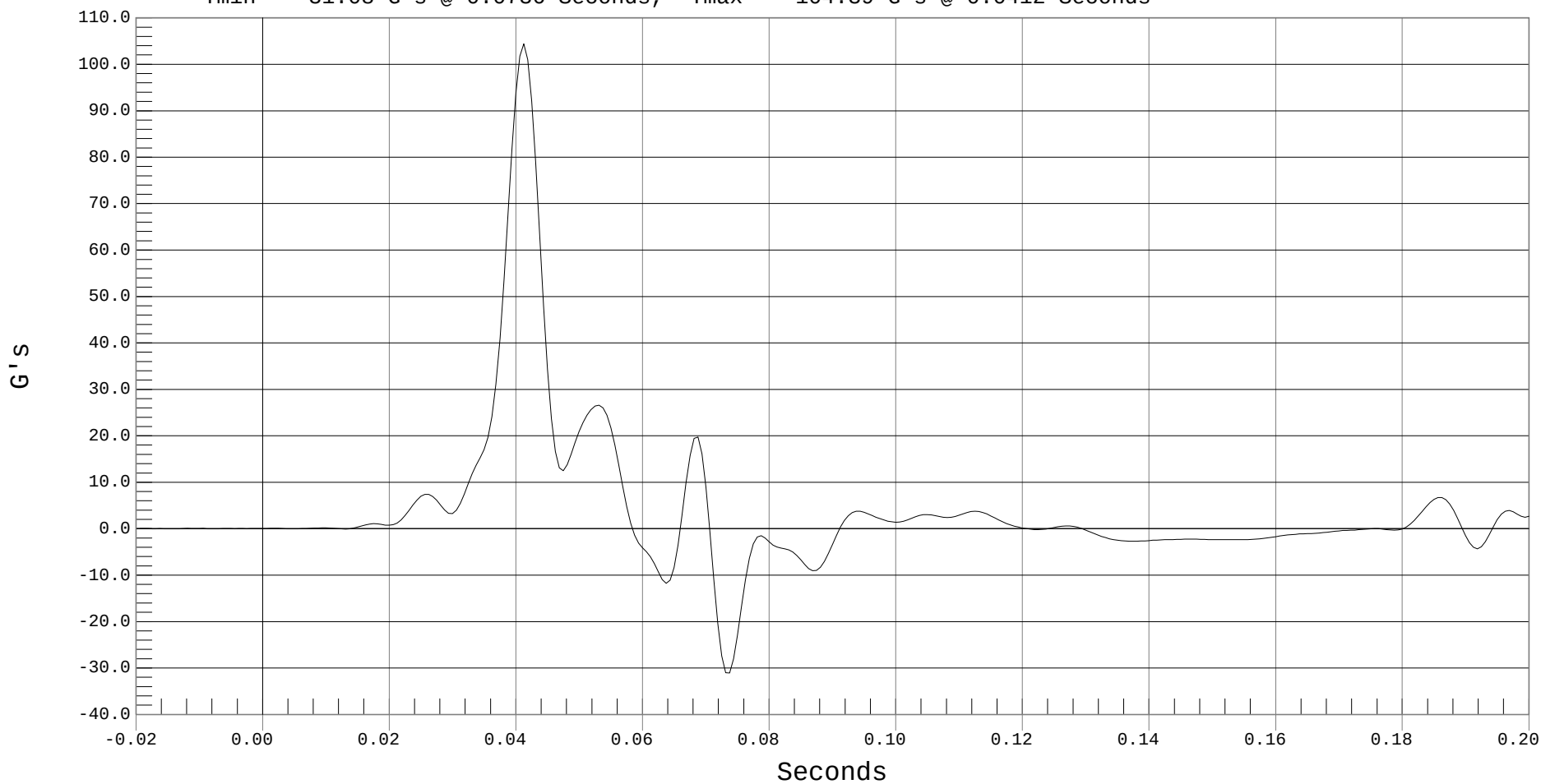
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 PASSENGER LOWER RIB Y, B01049FI.R12

Ymin = -31.08 G's @ 0.0736 Seconds, Ymax = 104.39 G's @ 0.0412 Seconds





REAR PASSENGER LOWER RIB Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

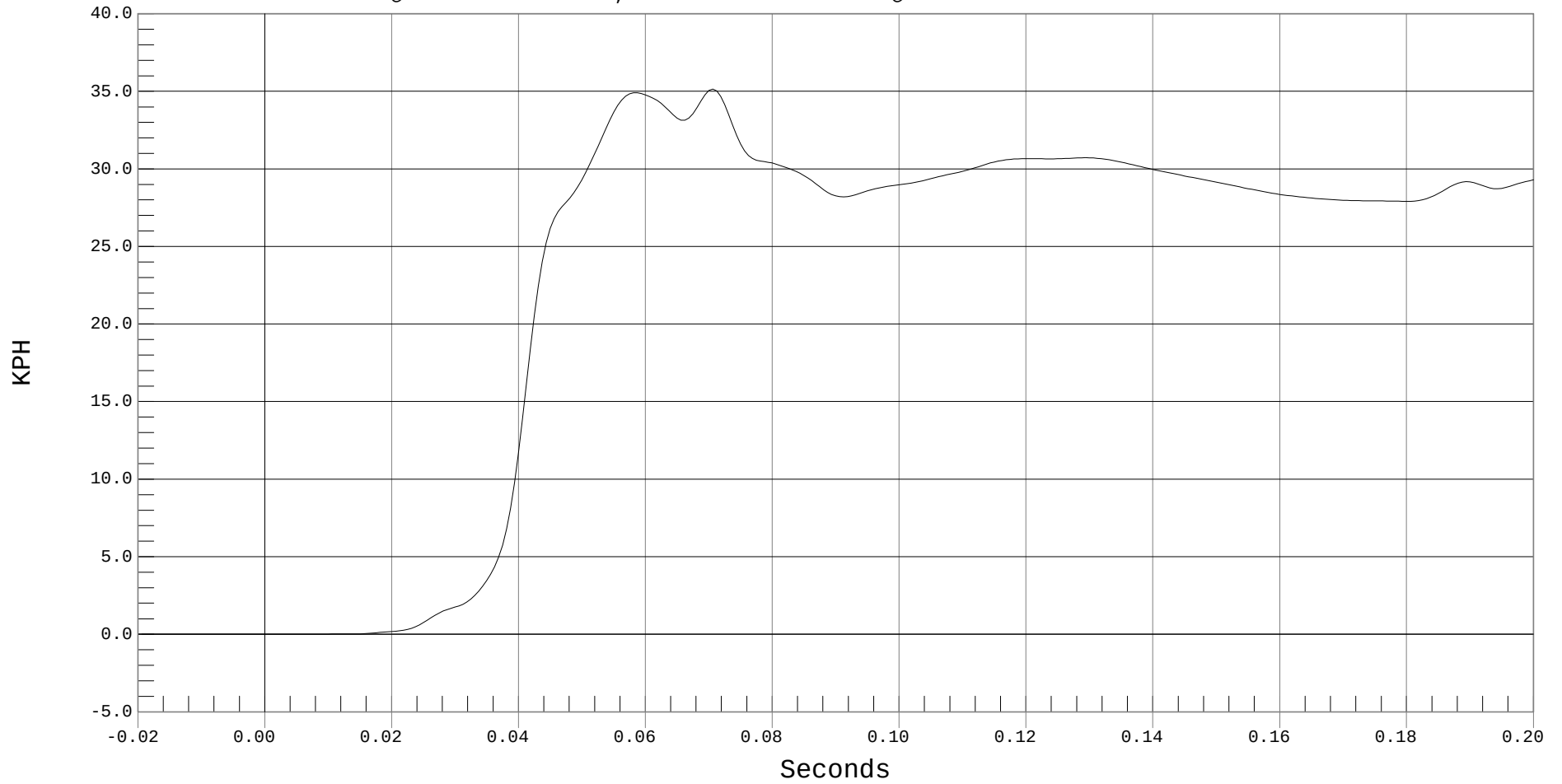
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 REAR PASSENGER LOWER RIB Y VELOCITY, B01049FI.V12

Ymin = 0 KPH @ -0.0126 Seconds, Ymax = 35.15 KPH @ 0.0705 Seconds





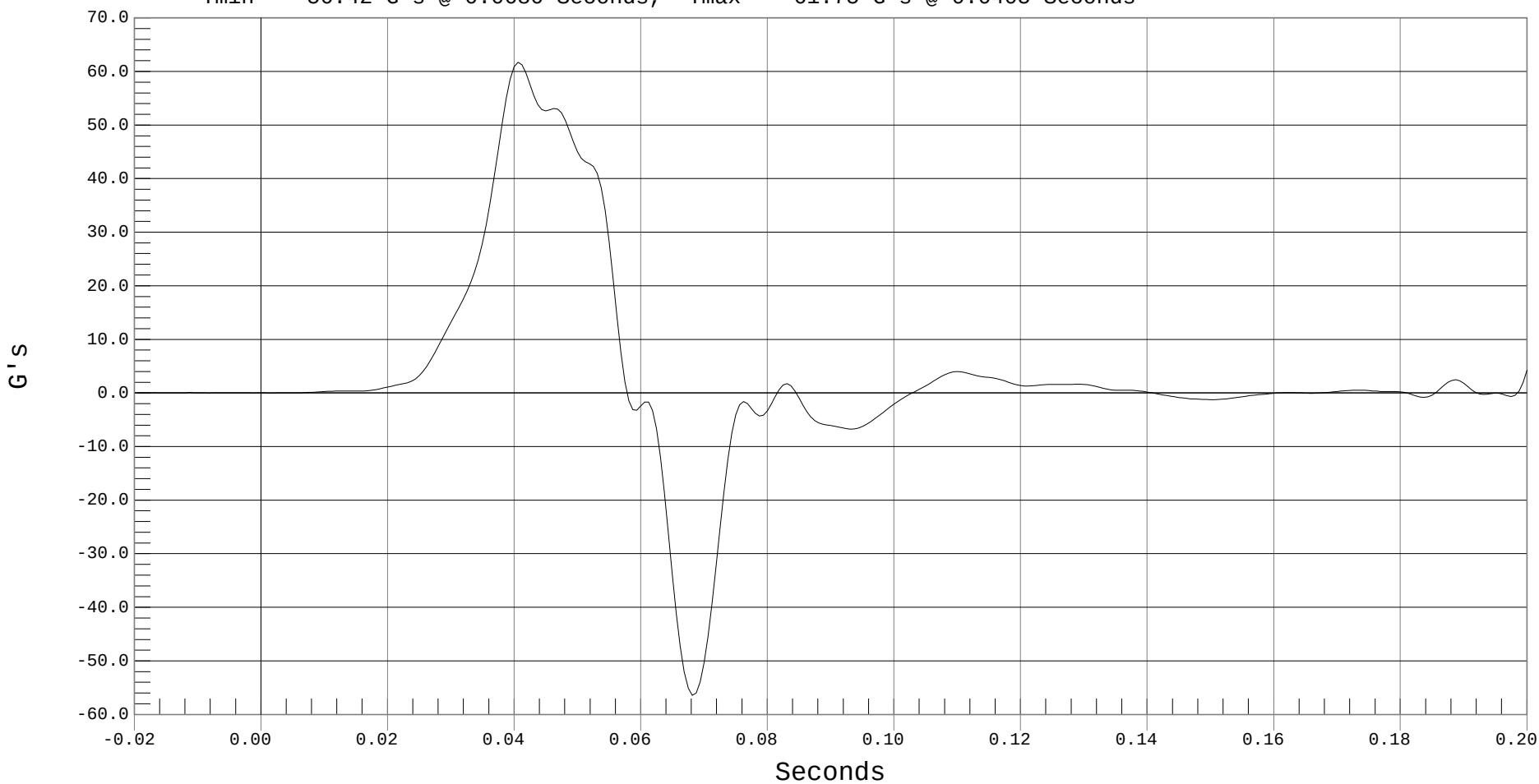
REAR PASSENGER LOWER SPINE Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 PASSENGER LOWER SPINE Y, B01049FI.R13

Ymin = -56.42 G's @ 0.0680 Seconds, Ymax = 61.75 G's @ 0.0405 Seconds





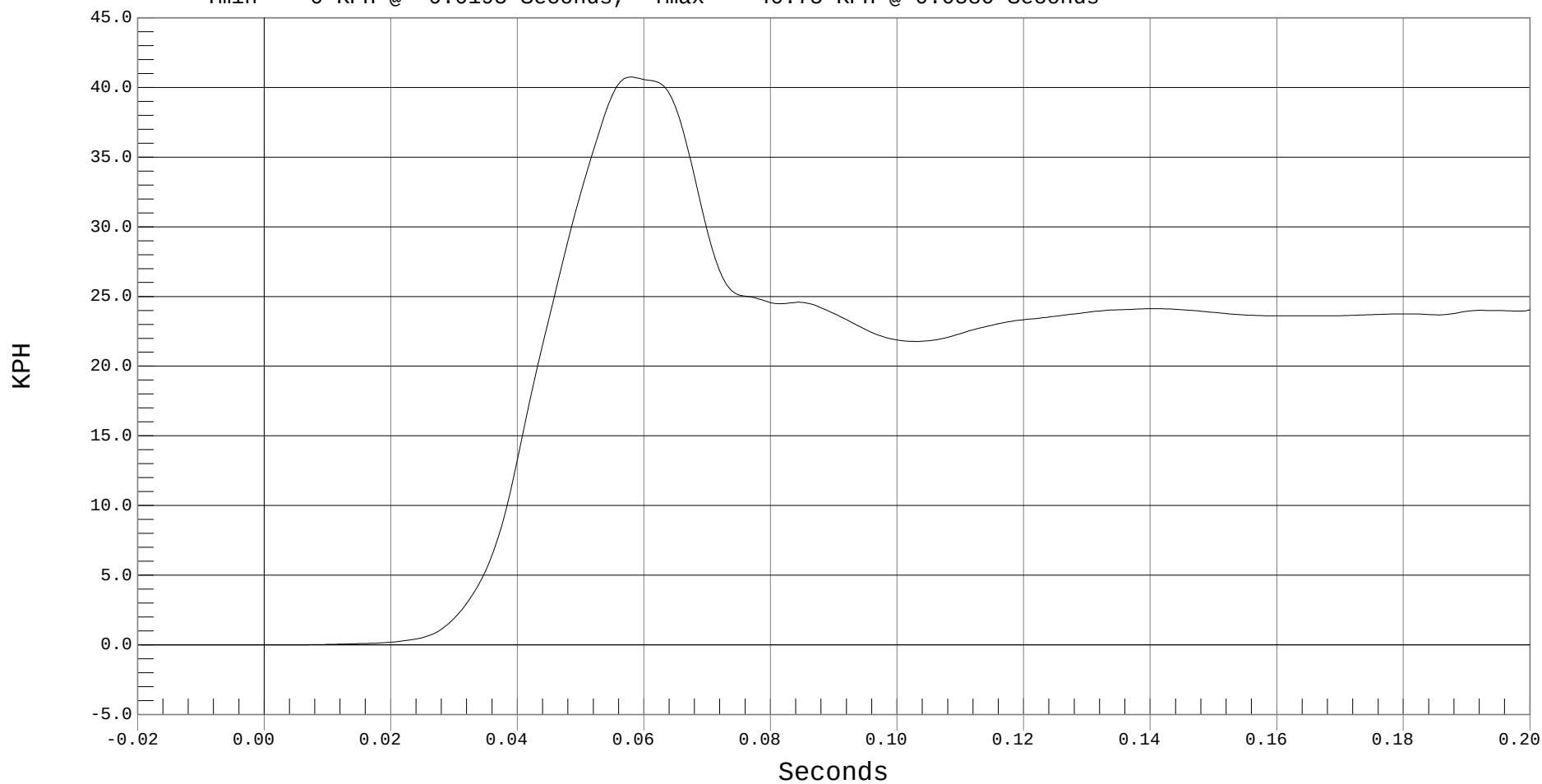
REAR PASSENGER LOWER SPINE Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 REAR PASSENGER LOWER SPINE Y VELOCITY, B01049FI.V13

Ymin = 0 KPH @ -0.0195 Seconds, Ymax = 40.75 KPH @ 0.0580 Seconds





REAR PASSENGER PELVIS Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

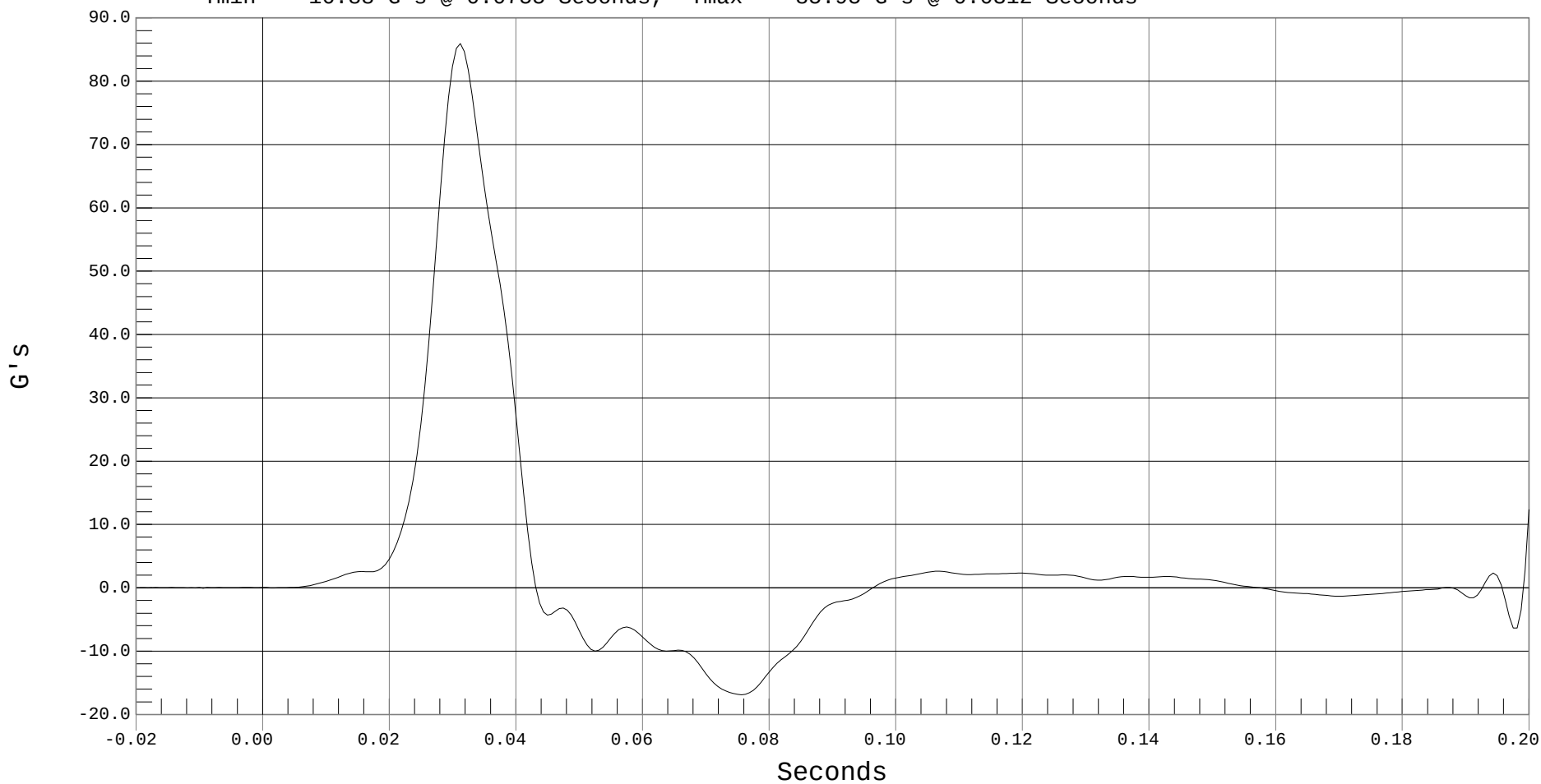
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 PASSENGER PELVIS Y, B01049FI.R14

Ymin = -16.88 G's @ 0.0755 Seconds, Ymax = 85.95 G's @ 0.0312 Seconds





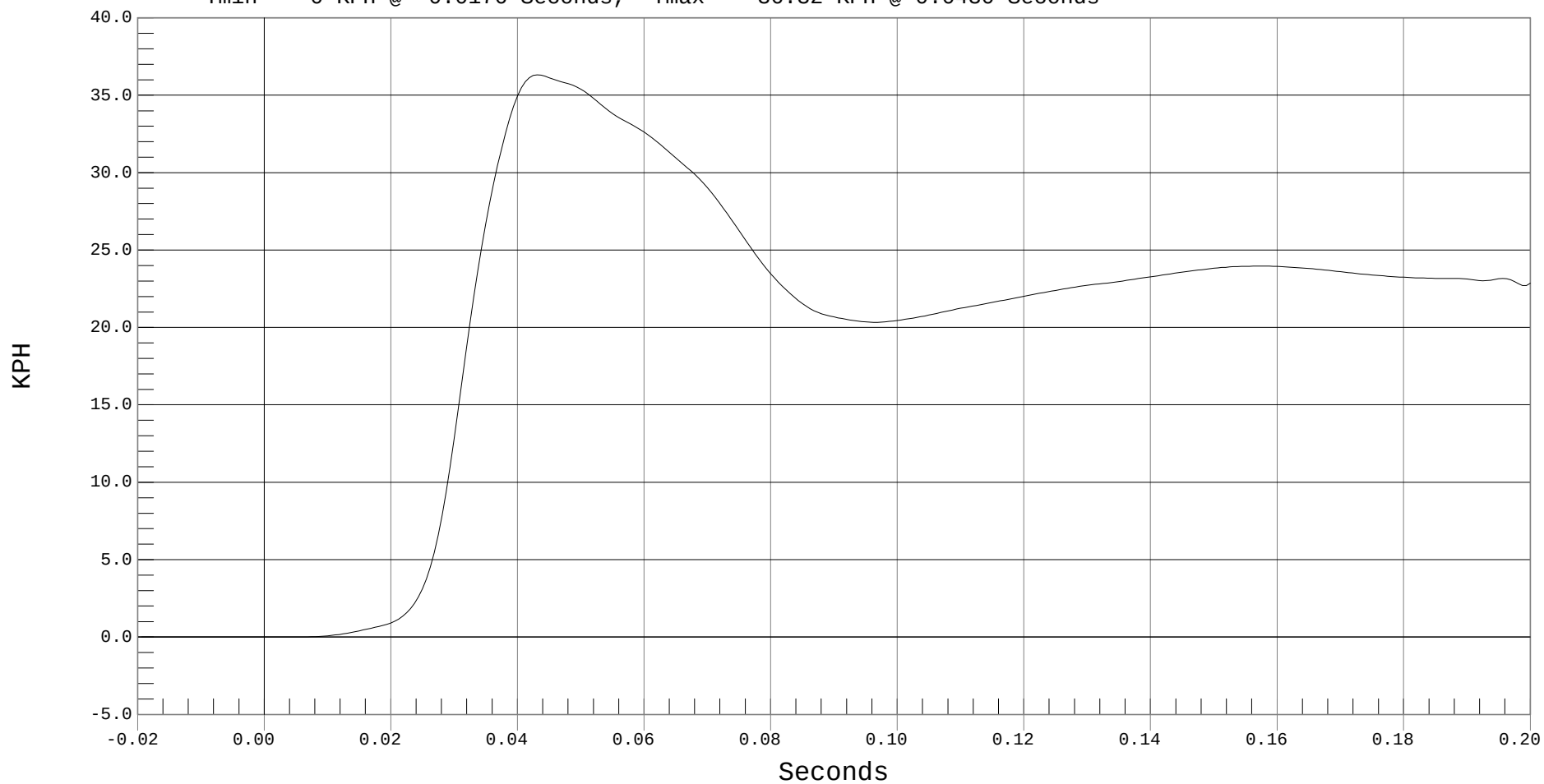
REAR PASSENGER PELVIS Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 REAR PASSENGER PELVIS Y VELOCITY, B01049FI.V14

Ymin = 0 KPH @ -0.0176 Seconds, Ymax = 36.32 KPH @ 0.0430 Seconds





DRIVER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

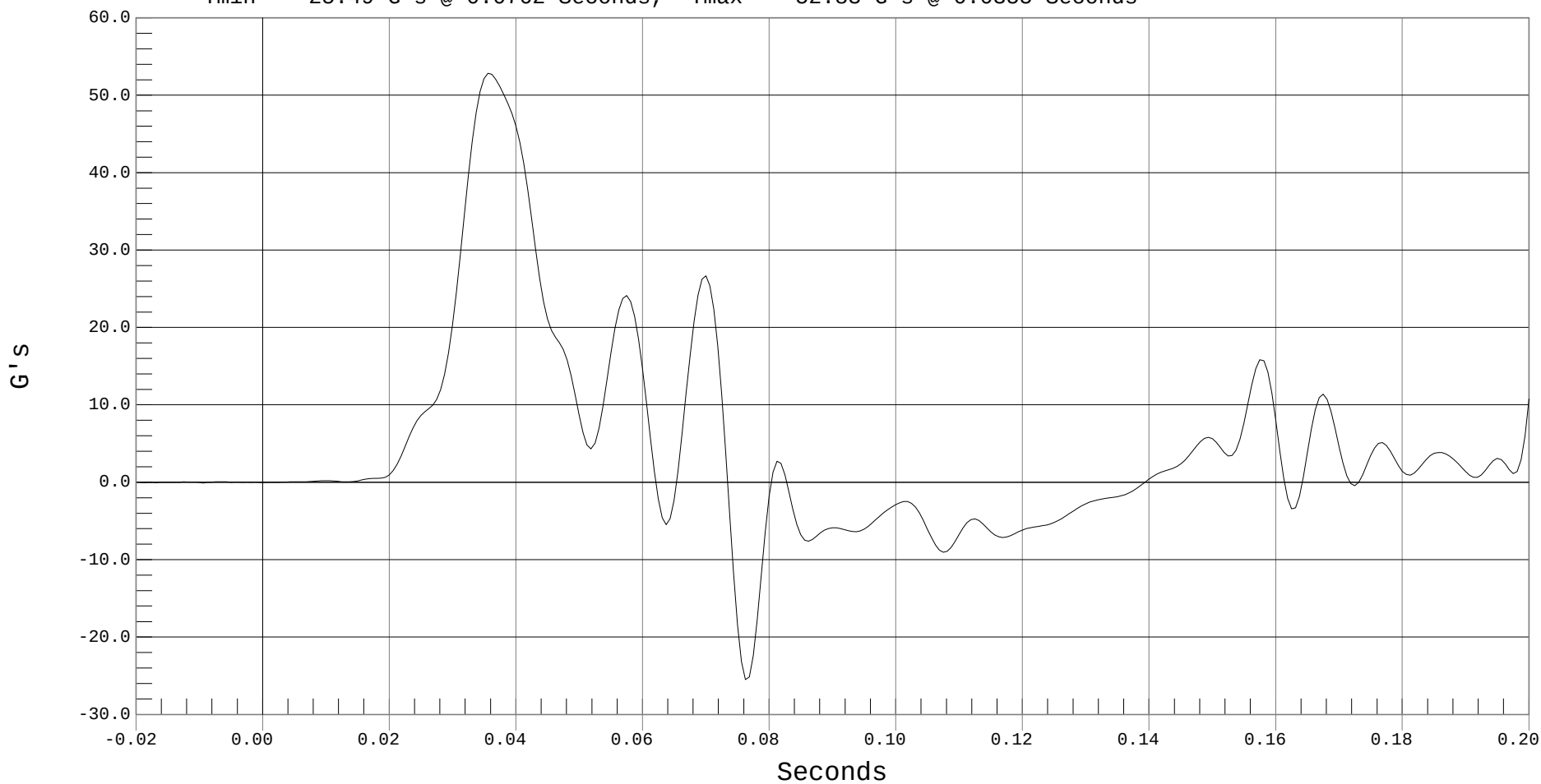
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 DRIVER UPPER RIB Yr, B01049FI.R41

Ymin = -25.49 G's @ 0.0762 Seconds, Ymax = 52.83 G's @ 0.0355 Seconds





DRIVER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

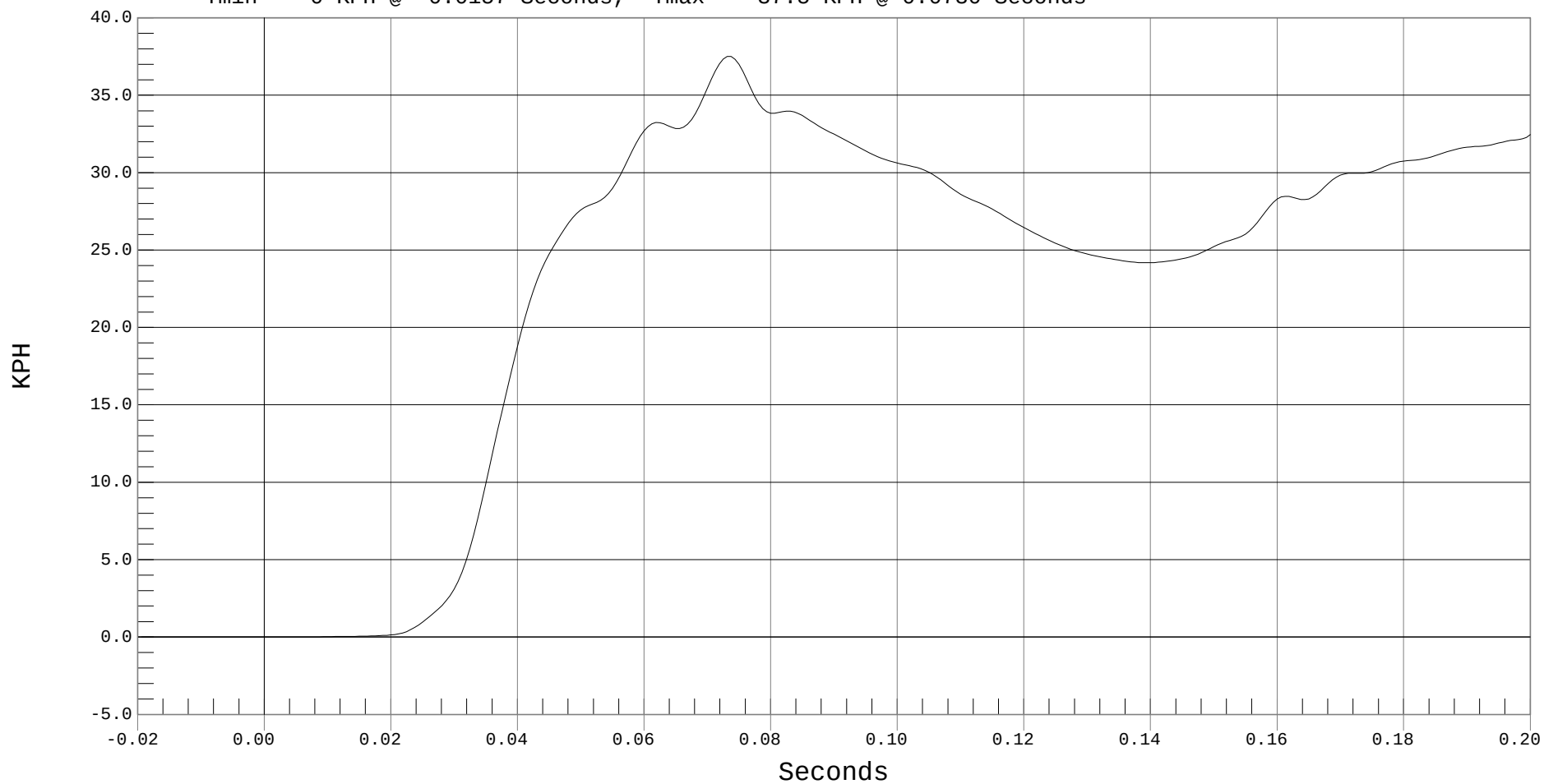
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 DRIVER UPPER RIB Y REDUNDANT VELOCITY, B01049FI.V41

Ymin = 0 KPH @ -0.0157 Seconds, Ymax = 37.5 KPH @ 0.0730 Seconds





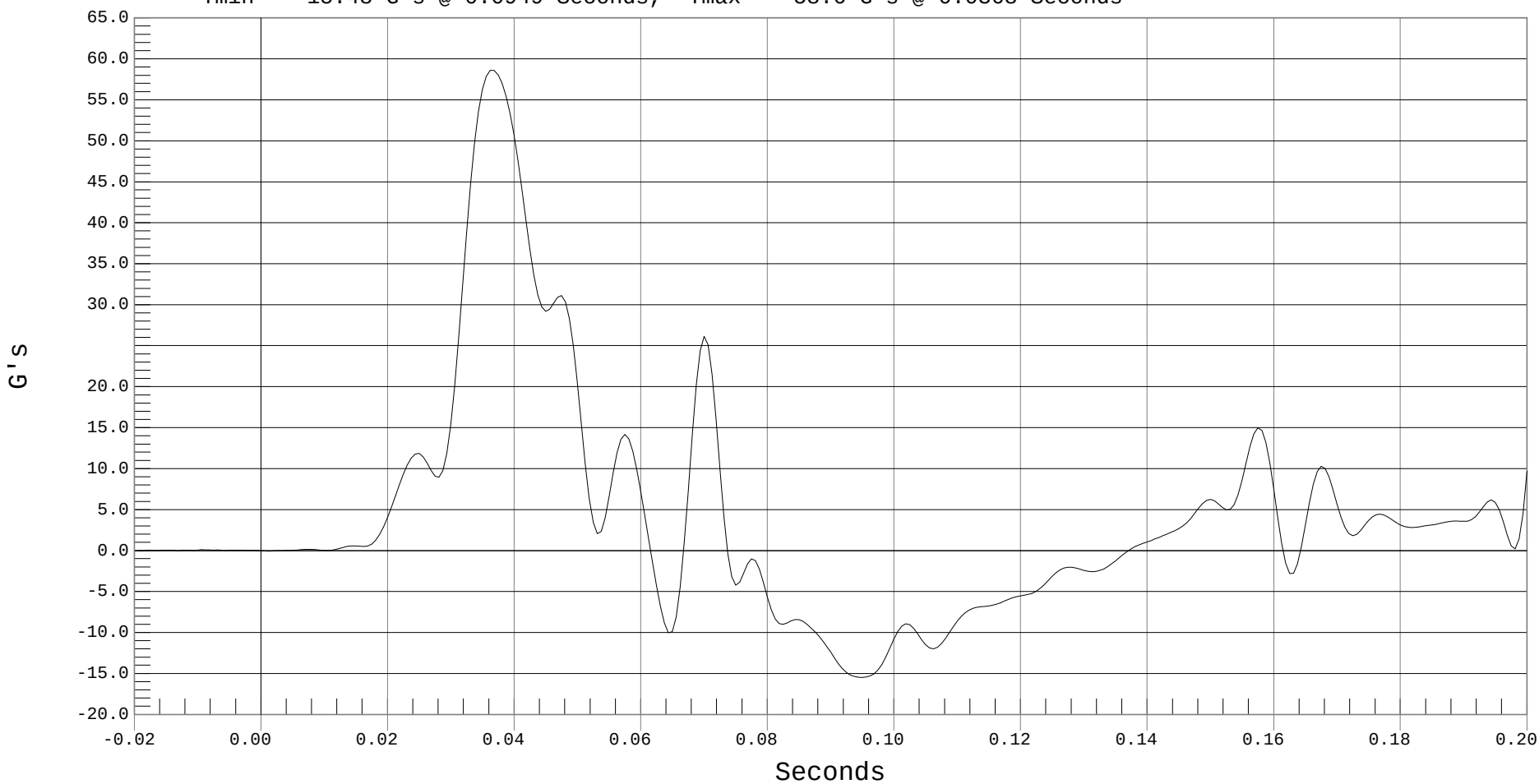
DRIVER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER LOWER RIB Yr, B01049FI.R42

Ymin = -15.48 G's @ 0.0949 Seconds, Ymax = 58.6 G's @ 0.0368 Seconds





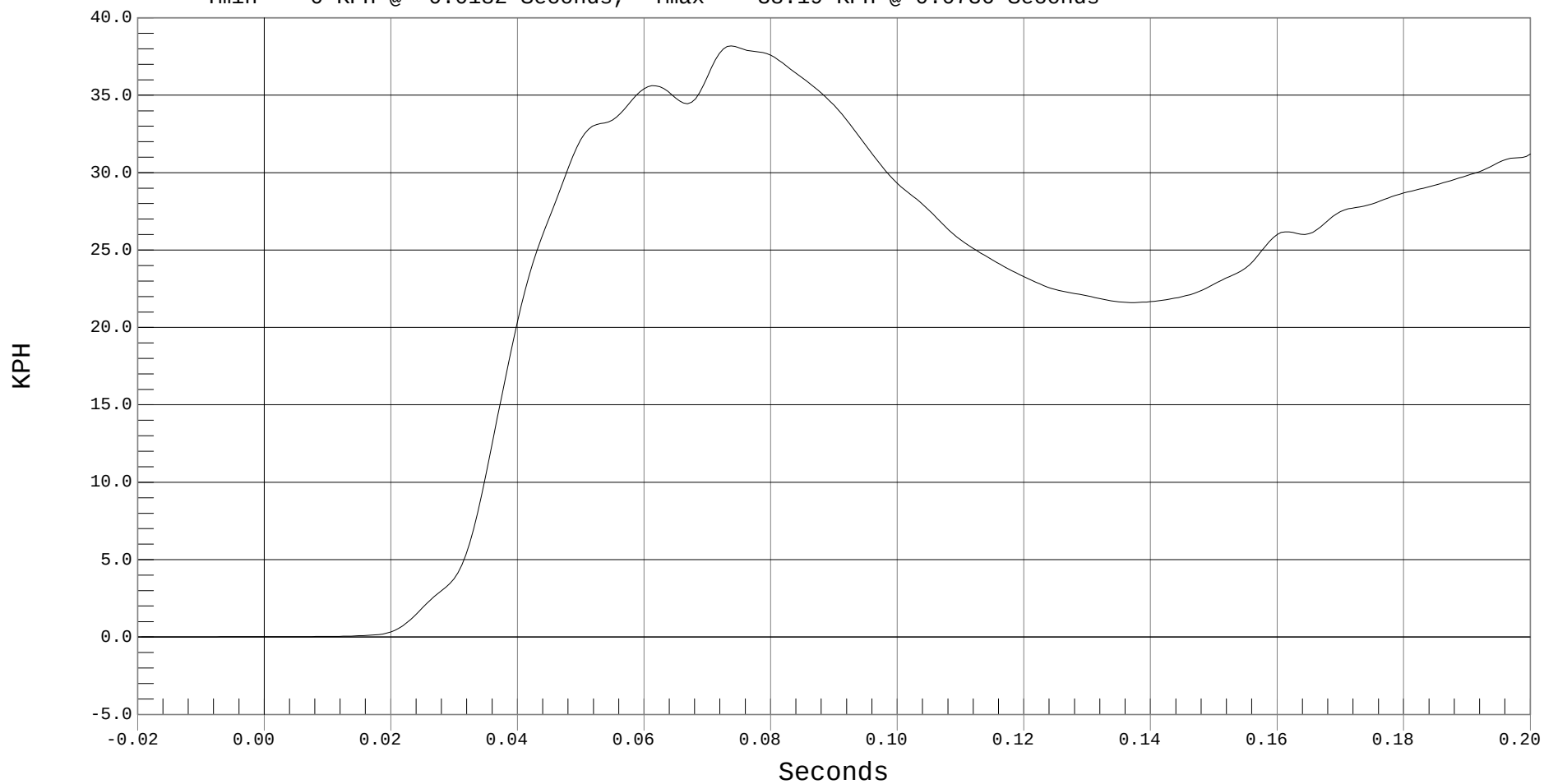
DRIVER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER LOWER RIB Y REDUNDANT VELOCITY, B01049FI.V42

Ymin = 0 KPH @ -0.0182 Seconds, Ymax = 38.19 KPH @ 0.0736 Seconds





DRIVER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

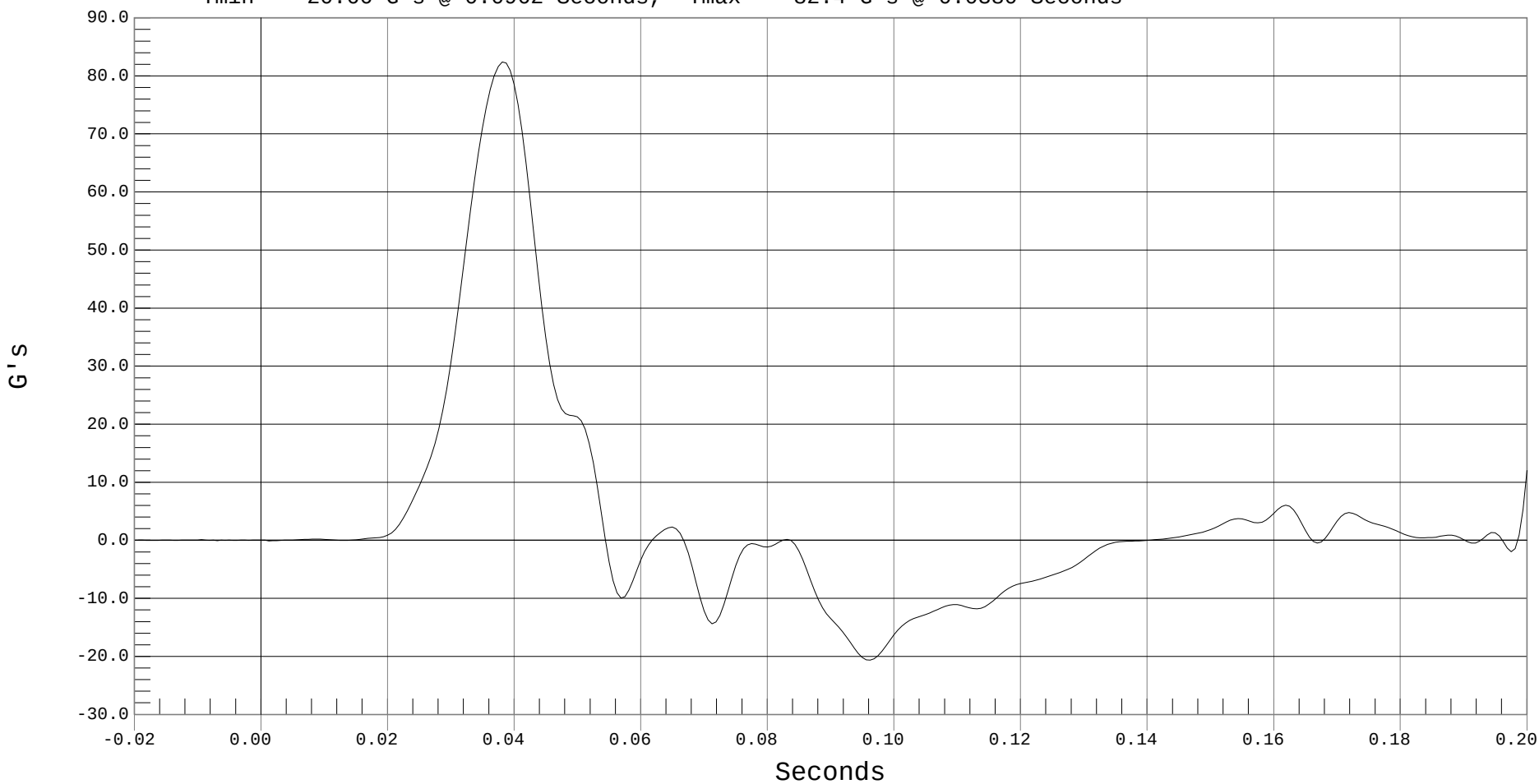
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 DRIVER LOWER SPINE Yr, B01049FI.R43

Ymin = -20.66 G's @ 0.0962 Seconds, Ymax = 82.4 G's @ 0.0380 Seconds





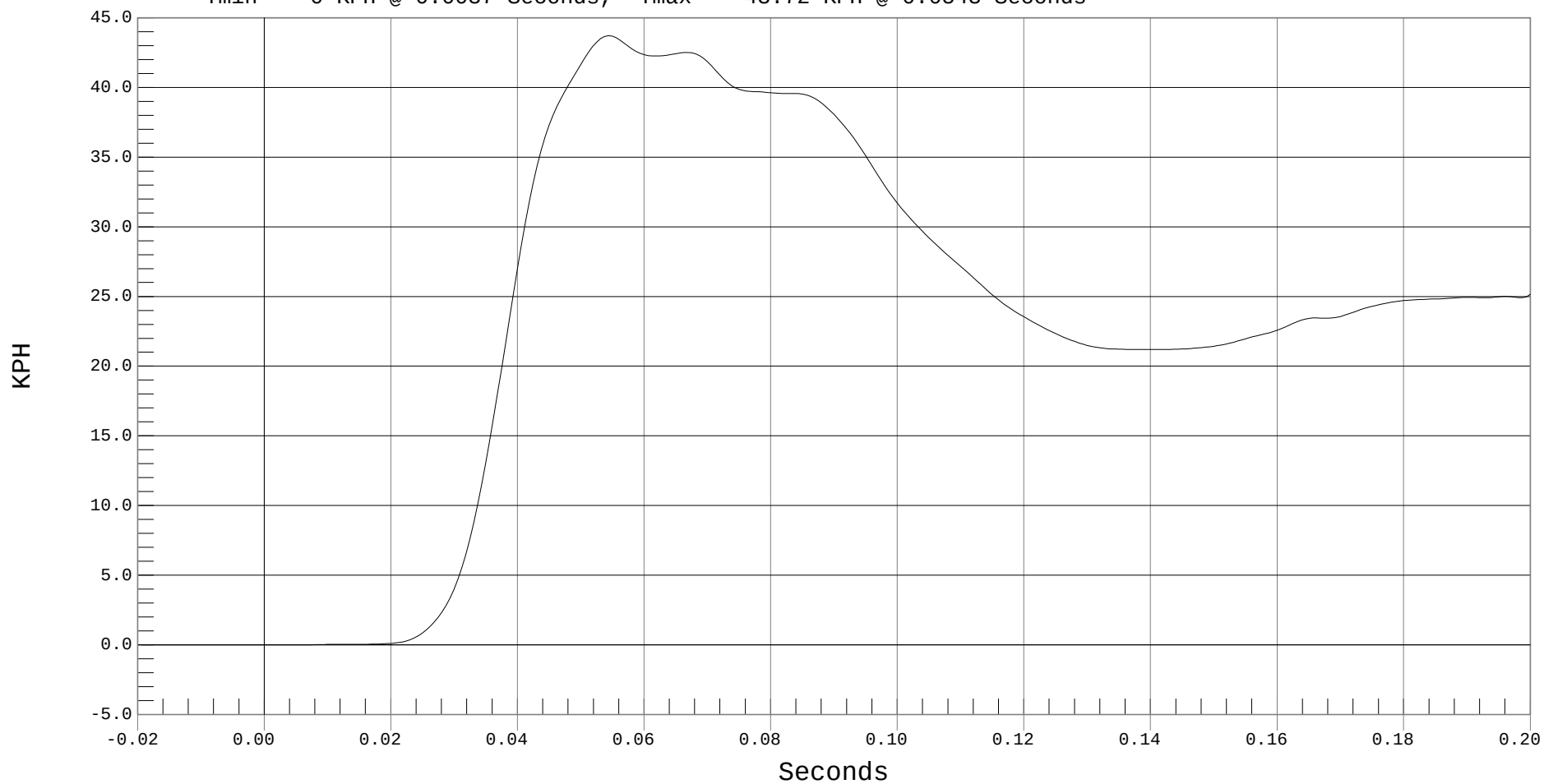
DRIVER LOWER SPINE REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER LOWER SPINE Y REDUNDANT VELOCITY, B01049FI.V43

Ymin = 0 KPH @ 0.0037 Seconds, Ymax = 43.72 KPH @ 0.0543 Seconds





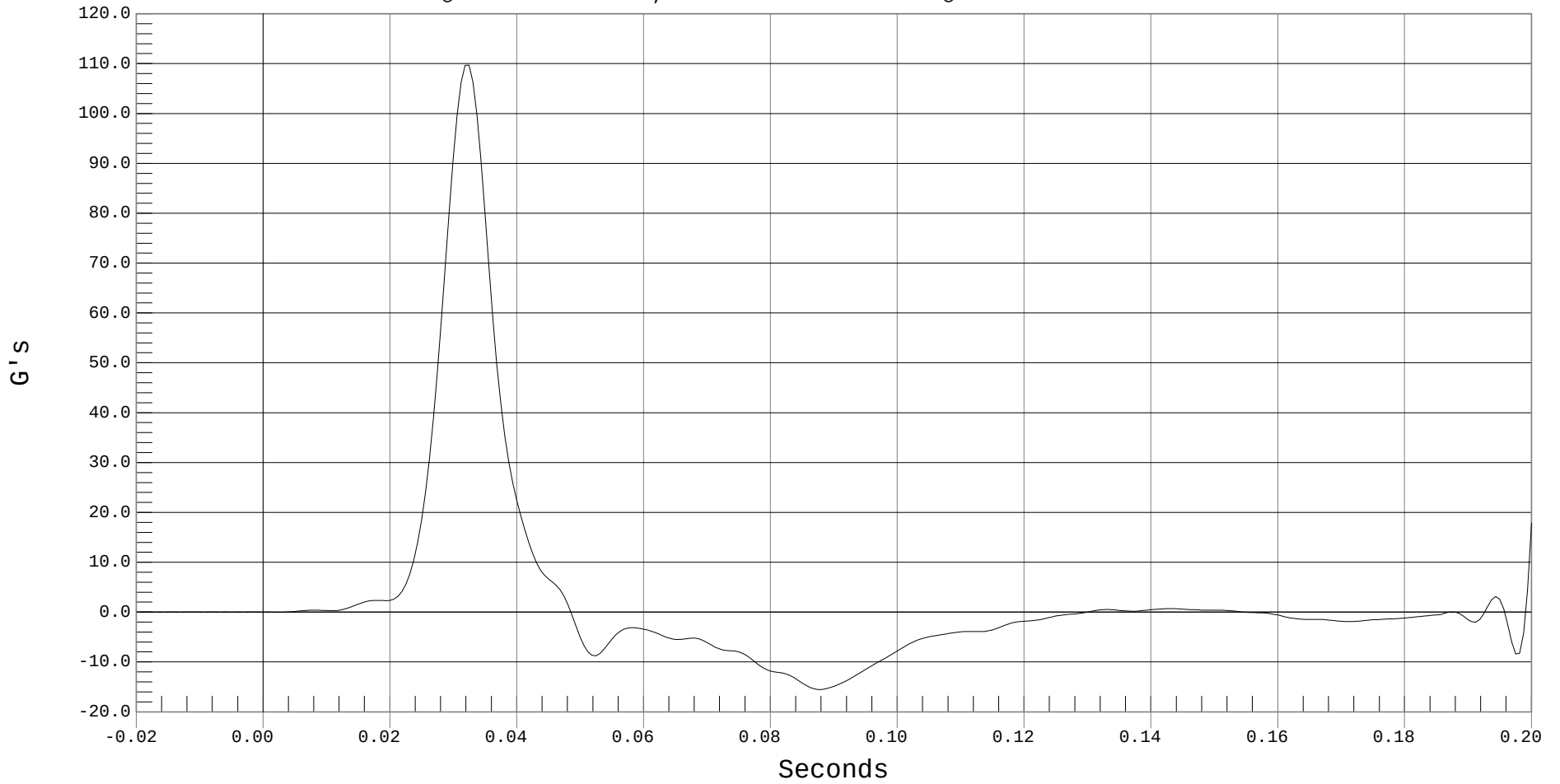
DRIVER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER PELVIS Yr, B01049FI.R44

Ymin = -15.51 G's @ 0.0874 Seconds, Ymax = 109.69 G's @ 0.0324 Seconds





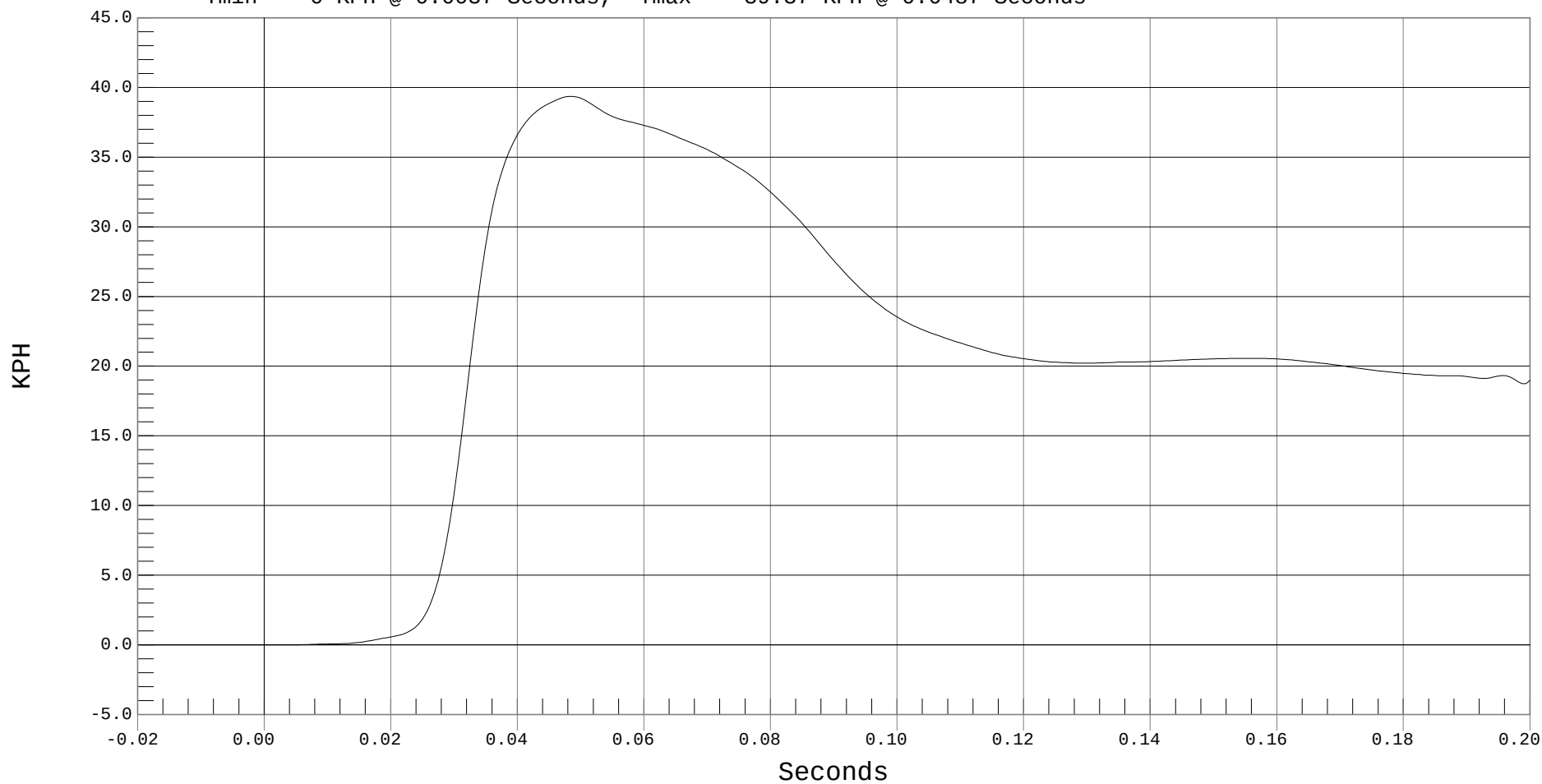
DRIVER PELVIS REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 DRIVER PELVIS Y REDUNDANT VELOCITY, B01049FI.V44

Ymin = 0 KPH @ 0.0037 Seconds, Ymax = 39.37 KPH @ 0.0487 Seconds





REAR PASSENGER UPPER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

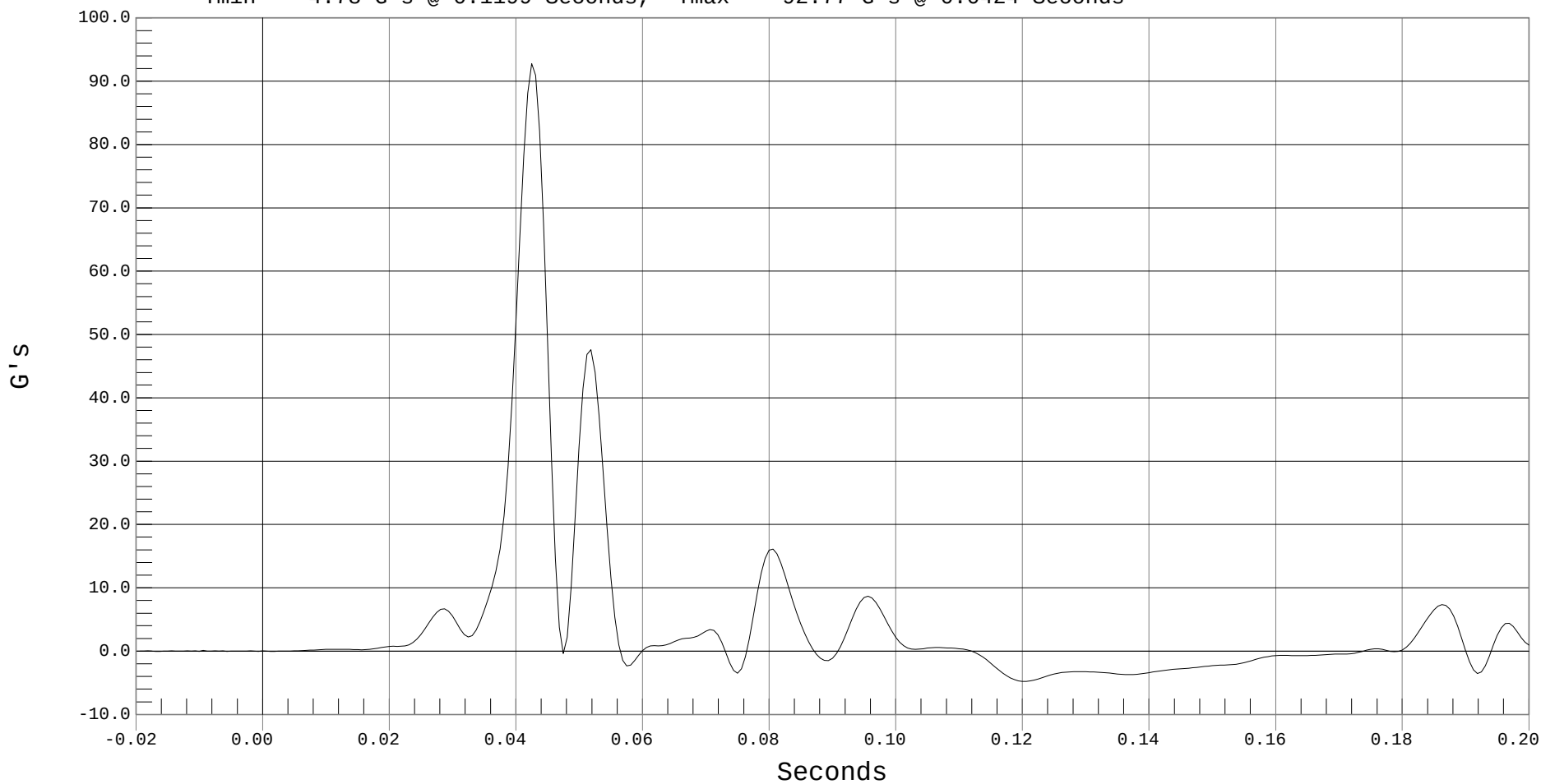
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 PASSENGER UPPER RIB Yr, B01049FI.R45

Ymin = -4.78 G's @ 0.1199 Seconds, Ymax = 92.77 G's @ 0.0424 Seconds





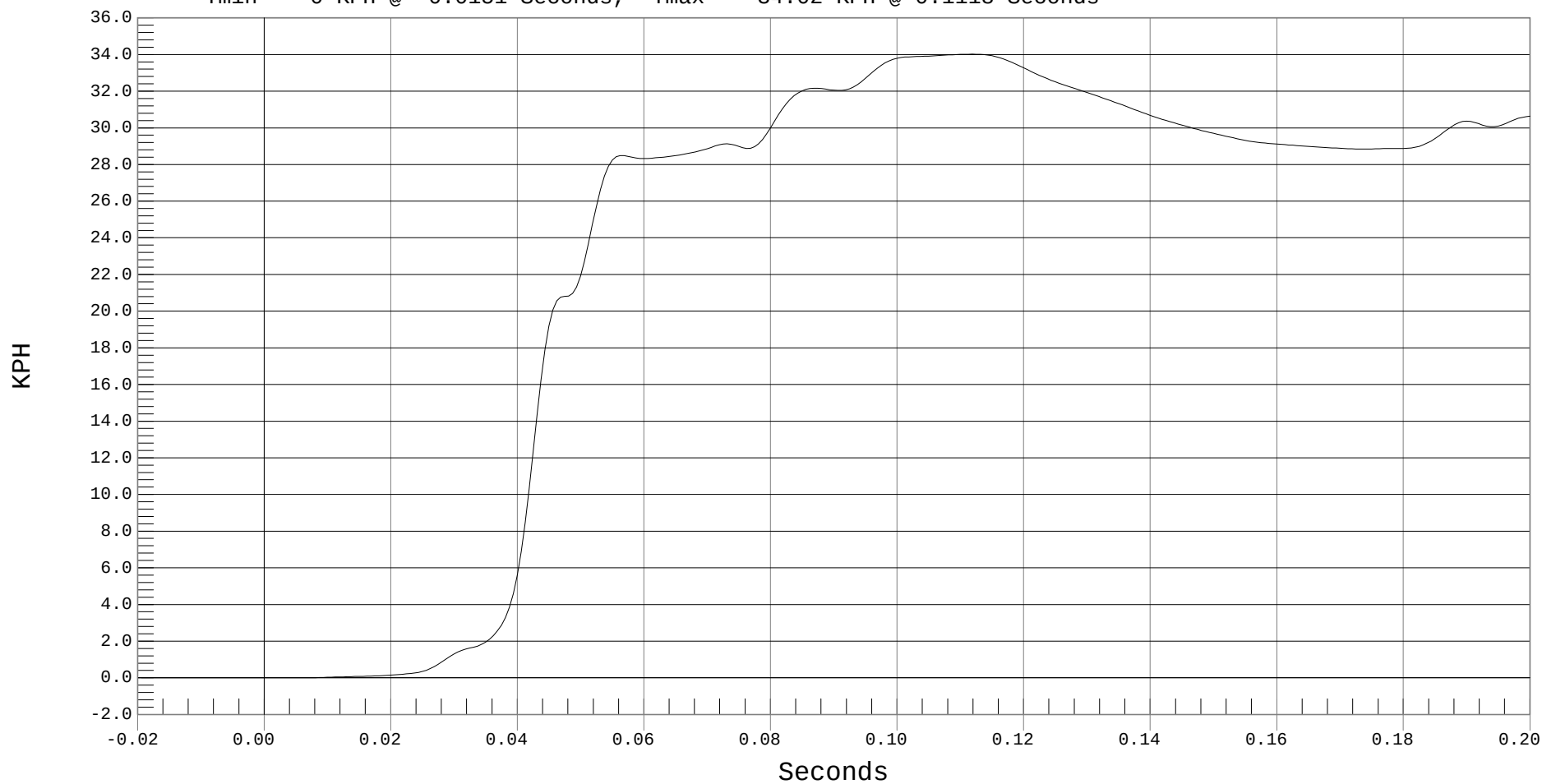
REAR PASSENGER UPPER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 REAR PASSENGER UPPER RIB Y REDUNDANT VELOCITY, B01049FI.V45

Ymin = 0 KPH @ -0.0151 Seconds, Ymax = 34.02 KPH @ 0.1118 Seconds





REAR PASSENGER LOWER RIB REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

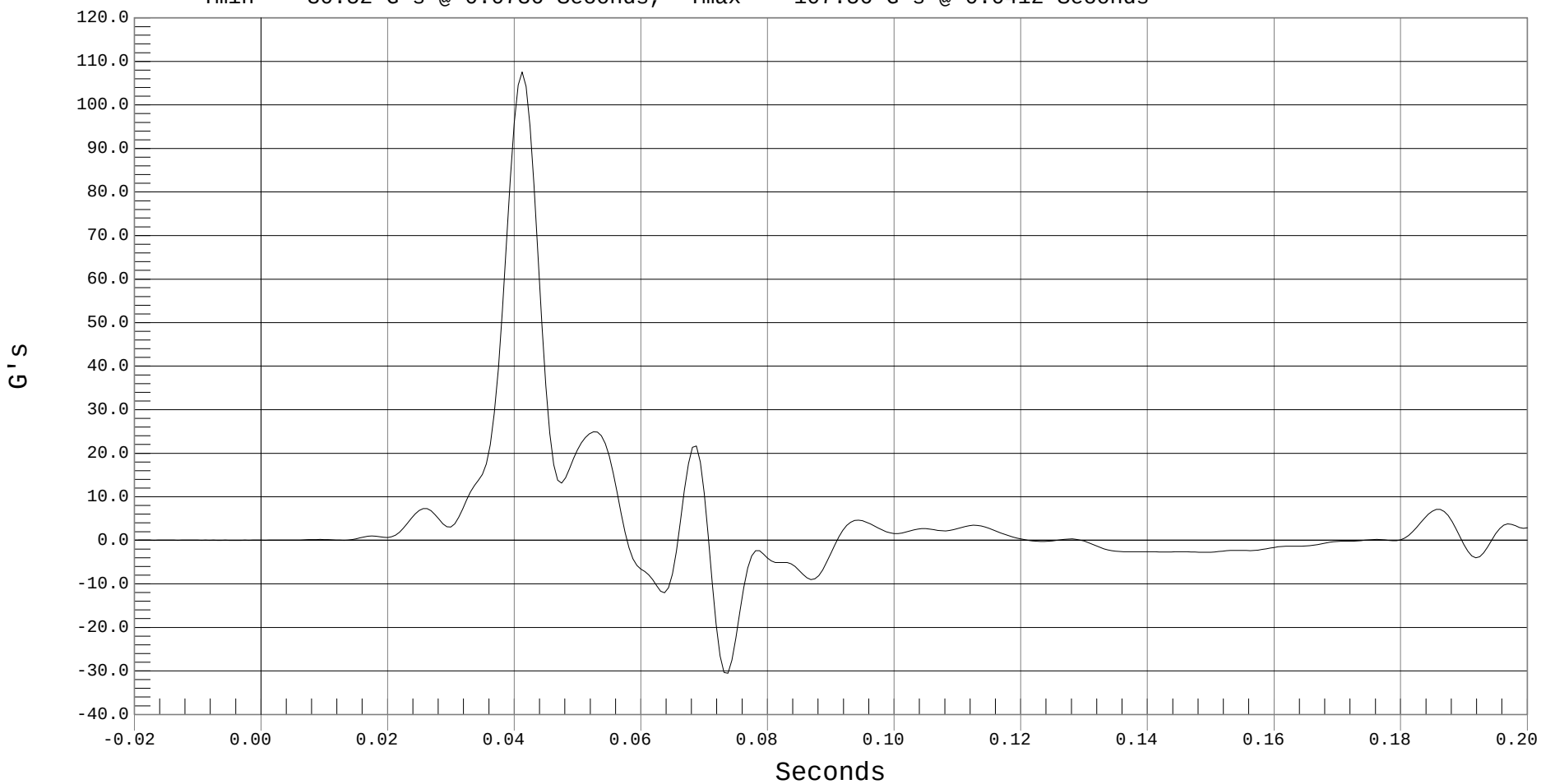
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 PASSENGER LOWER RIB Yr, B01049FI.R46

Ymin = -30.52 G's @ 0.0736 Seconds, Ymax = 107.56 G's @ 0.0412 Seconds





REAR PASSENGER LOWER RIB REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

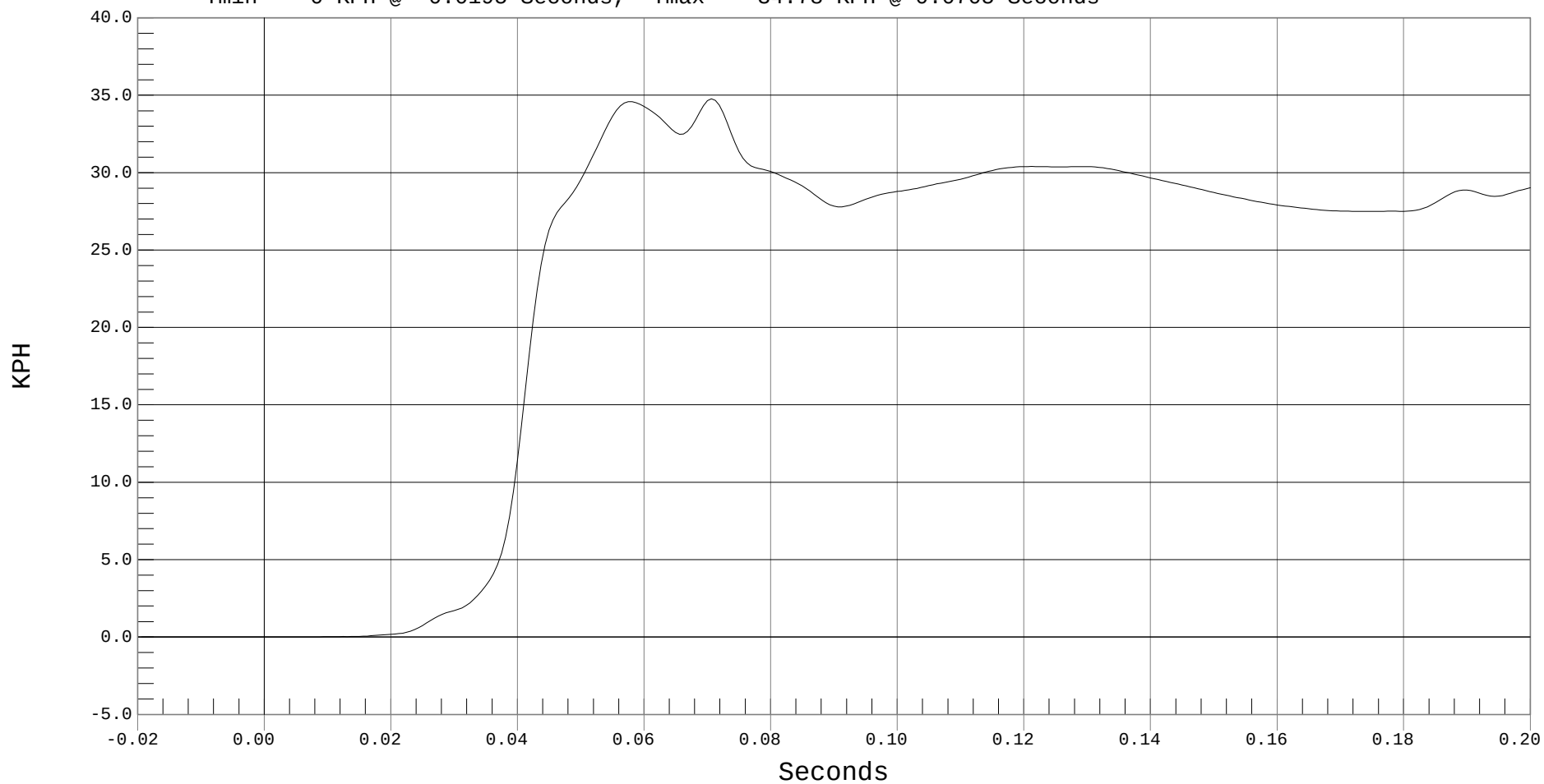
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 REAR PASSENGER LOWER RIB Y REDUNDANT VELOCITY, B01049FI.V46

Ymin = 0 KPH @ -0.0195 Seconds, Ymax = 34.78 KPH @ 0.0705 Seconds





REAR PASSENGER LOWER SPINE REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

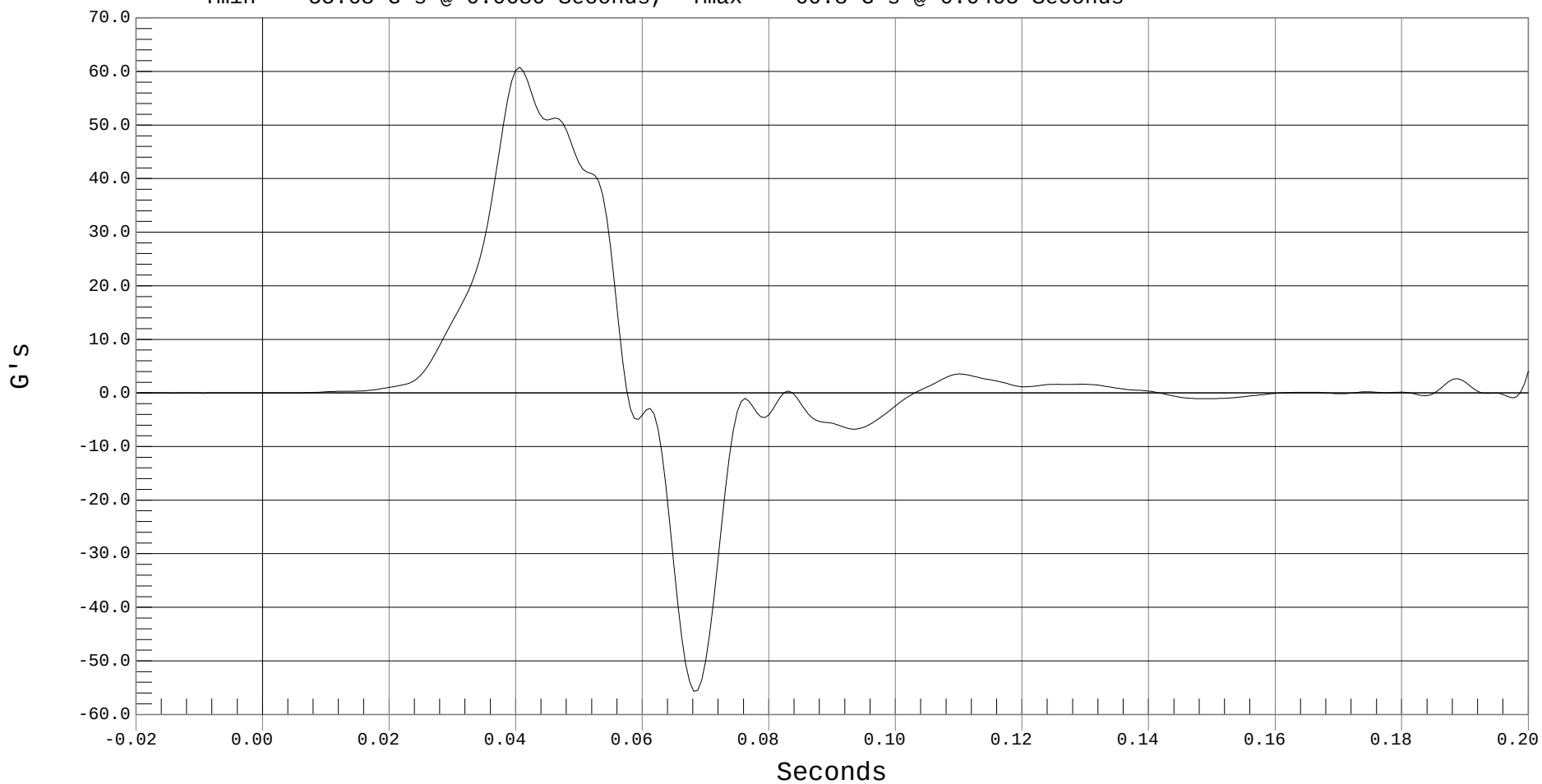
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 PASSENGER LOWER SPINE Yr, B01049FI.R47

Ymin = -55.68 G's @ 0.0680 Seconds, Ymax = 60.8 G's @ 0.0405 Seconds





REAR PASSENGER LOWER SPINE REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT

Component: 1995 FORD TAURUS

Other Info:

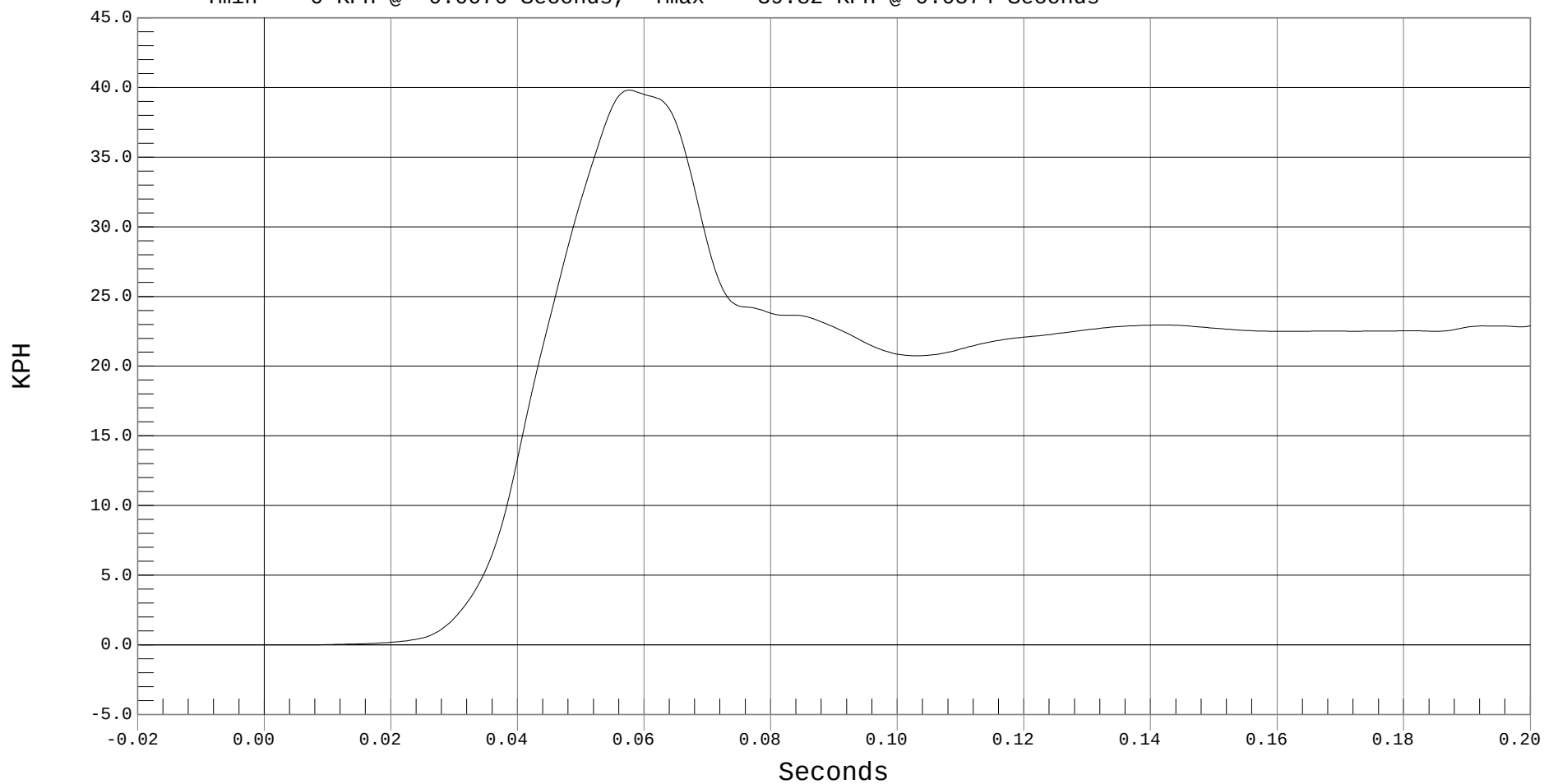
Test Date: 05-01-01

Speed: 33.0 MPH, 53.1 KPH

Fir Filtered

— 1 REAR PASSENGER LOWER SPINE Y REDUNDANT VELOCITY, B01049FI.V47

Ymin = 0 KPH @ -0.0076 Seconds, Ymax = 39.82 KPH @ 0.0574 Seconds



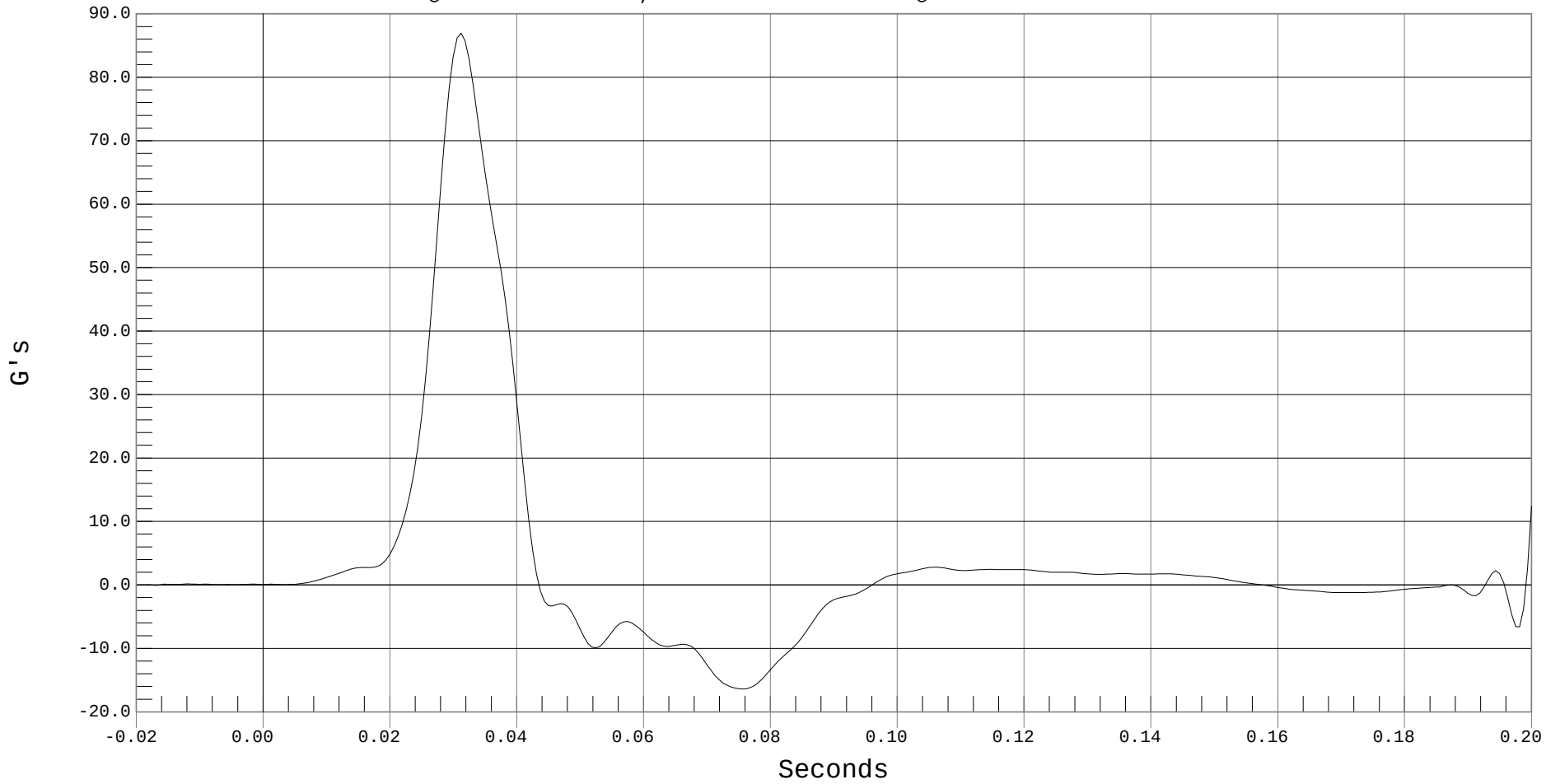


REAR PASSENGER PELVIS REDUNDANT Y ACCELERATION

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

Ymin = -16.4 G's @ 0.0755 Seconds, Ymax = 86.94 G's @ 0.0312 Seconds





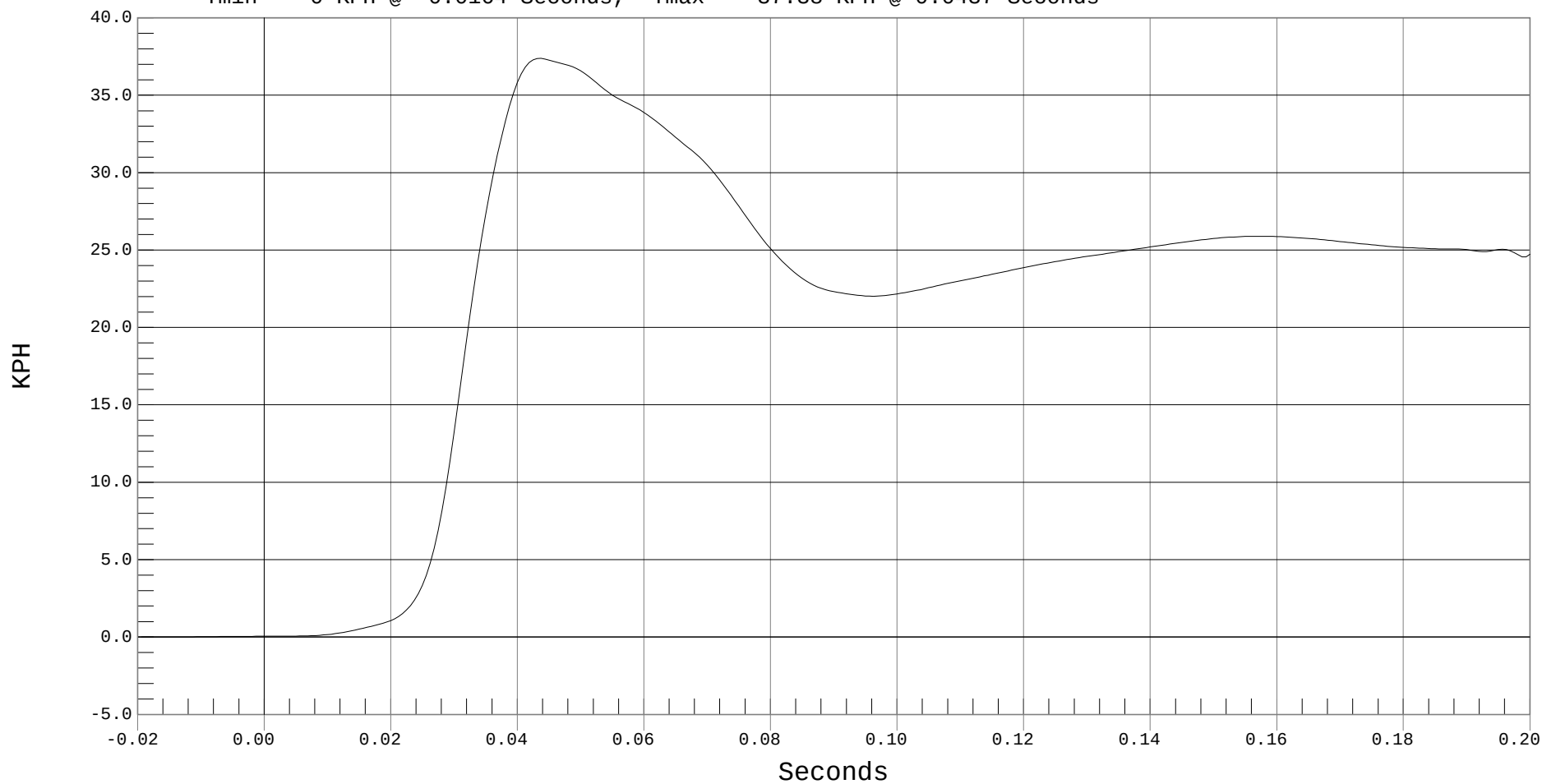
REAR PASSENGER PELVIS REDUNDANT Y VELOCITY

Test Desc.: FMVSS 214 SIDE IMPACT
Component: 1995 FORD TAURUS
Other Info:

Test Date: 05-01-01
Speed: 33.0 MPH, 53.1 KPH
Fir Filtered

— 1 REAR PASSENGER PELVIS Y REDUNDANT VELOCITY, B01049FI.V48

Ymin = 0 KPH @ -0.0164 Seconds, Ymax = 37.38 KPH @ 0.0437 Seconds



APPENDIX C

SID CONFIGURATION AND PERFORMANCE VERIFICATION DATA

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

Report Date: June 8, 2001

Technician: Tim Michnay

Test Parameter	Specification	Dummy Serial Number: 048	Dummy Serial Number: 049
		Pre-Test	Pre-Test
SH-Seated Height (mm)	889 – 909	903	900
RH-Rib Height (mm)	501 – 521	505	517
HP-Hip Pivot Height (mm)	99 ref.	99	99
RD-Rib from Back Line (mm)	229 – 241	238	234
KV-Knee Pivot from Back Line (mm)	511 – 526	521	522
SW-Knee Pivot to Floor (mm)	490 – 505	493	492
HW-Hip Width (mm)	356 - 391	365	369
Thorax Impact			
Temperature (°C)	18.9 – 25.5	21.0	21.6
Relative Humidity (%)	10 – 70	17	22
Probe Speed (m/s)	4.27 – 4.33	4.28	4.28
Upper Rib (g's)	37 – 46	39	38
Lower Rib (g's)	37 – 46	39	41
Lower Spine (g's)	15 – 22	20	20
Pelvis Impact			
Temperature (°C)	18.9 – 25.5	21.0	21.6
Relative Humidity (%)	10 – 70	17	22
Probe Speed (m/s)	4.27 – 4.33	4.28	4.28
Pelvis (g's)	40 - 60	47	48

REMARKS:

CERTIFICATION DATA

Dummy Serial Number: 048

Calibration Test Results Summary

Dummy Serial Number: 048

Pre-Test Calibration

External Dimensions:	The dummy passed all external dimension 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: 048

Date of Verification: 2/5/01

Test Number: D0117

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	903
RH-Rib Height (mm)	501 – 521	505
HP-Hip Pivot Height (mm)	99 ref.	99
RD-Rib From Back Line (mm)	229 - 241	238
KV-Knee Pivot From Back Line (mm)	511 – 526	521
SW-Knee Pivot to Floor (mm)	490 – 505	493
HW – Hip Width (mm)	356 – 391	365

Technician: _____

Approved By:_____

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

Date: 2/2/01
Dummy Serial Number: 048
Test Number: D01172

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	39
Lower Rib (g's)	37 – 46	39
Lower Spine (g's)	15 - 22	20

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



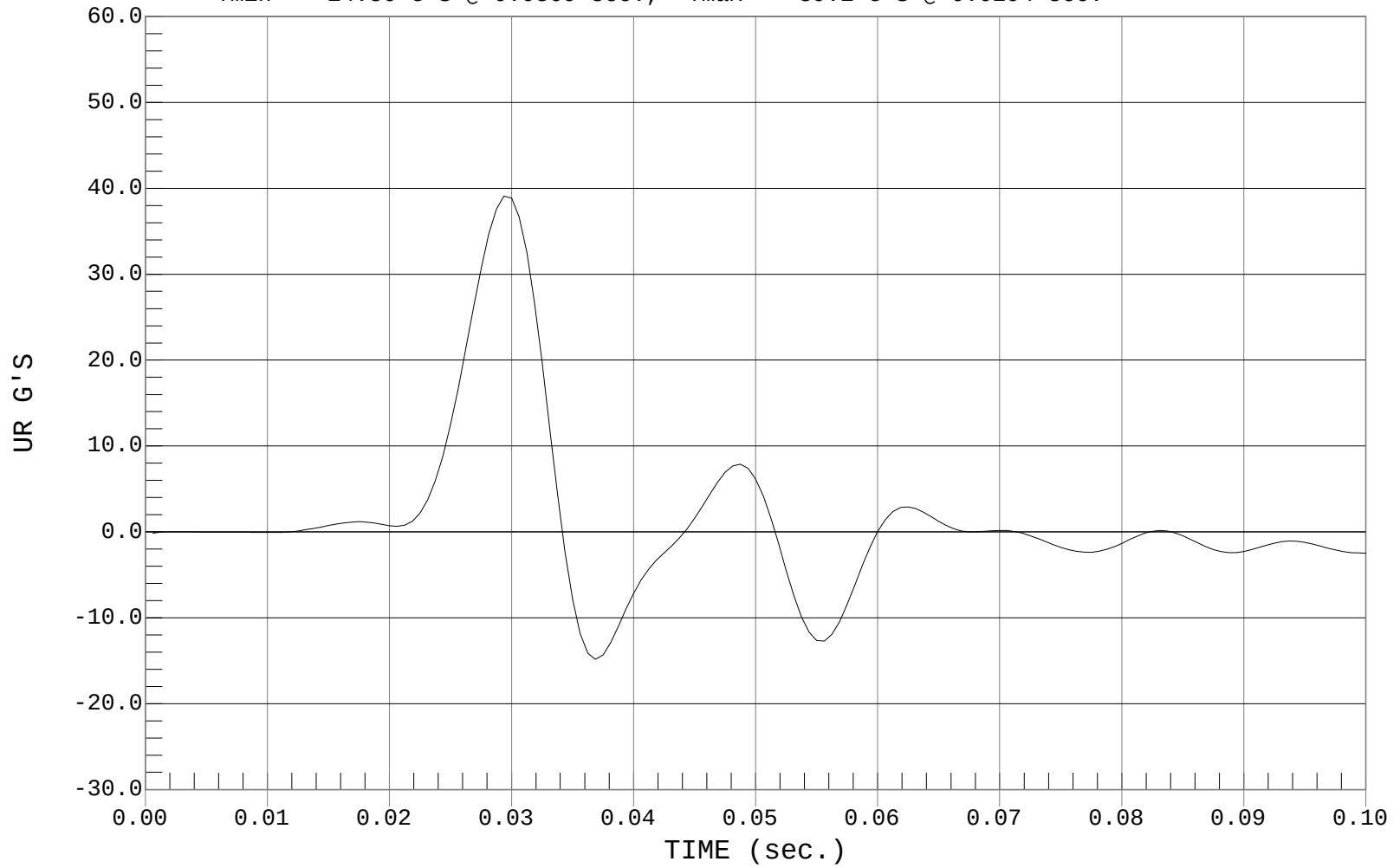
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #048

Test Date: 02-02-01
Speed: 14.06 FT/SEC, 4.28 M/SEC

— 1 UR, D01172FI.R08

Ymin = -14.86 G'S @ 0.0369 sec., Ymax = 39.1 G'S @ 0.0294 sec.





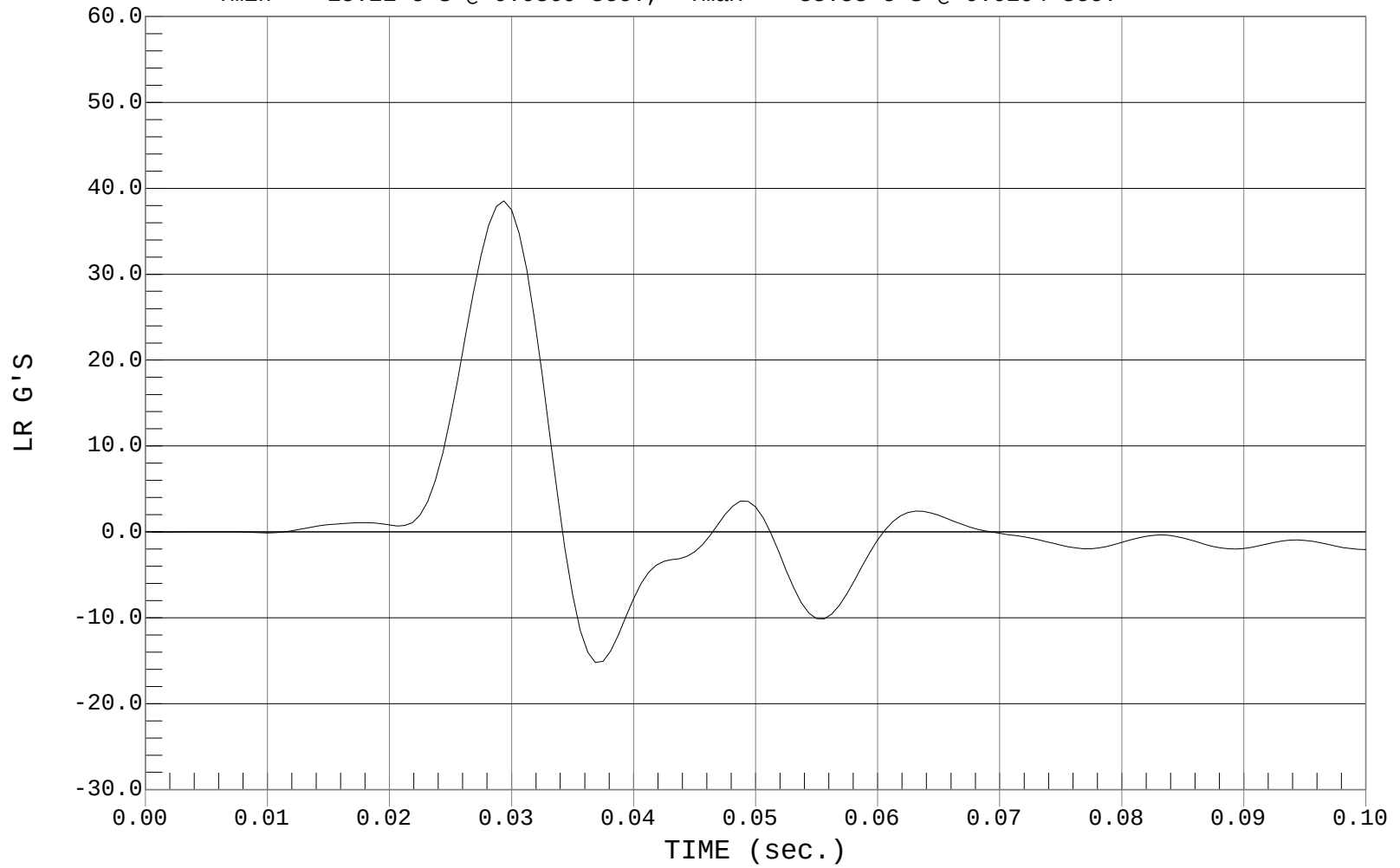
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #048

Test Date: 02-02-01
Speed: 14.06 FT/SEC, 4.28 M/SEC

— 1 LR, D01172FI.R09

Ymin = -15.21 G'S @ 0.0369 sec., Ymax = 38.53 G'S @ 0.0294 sec.





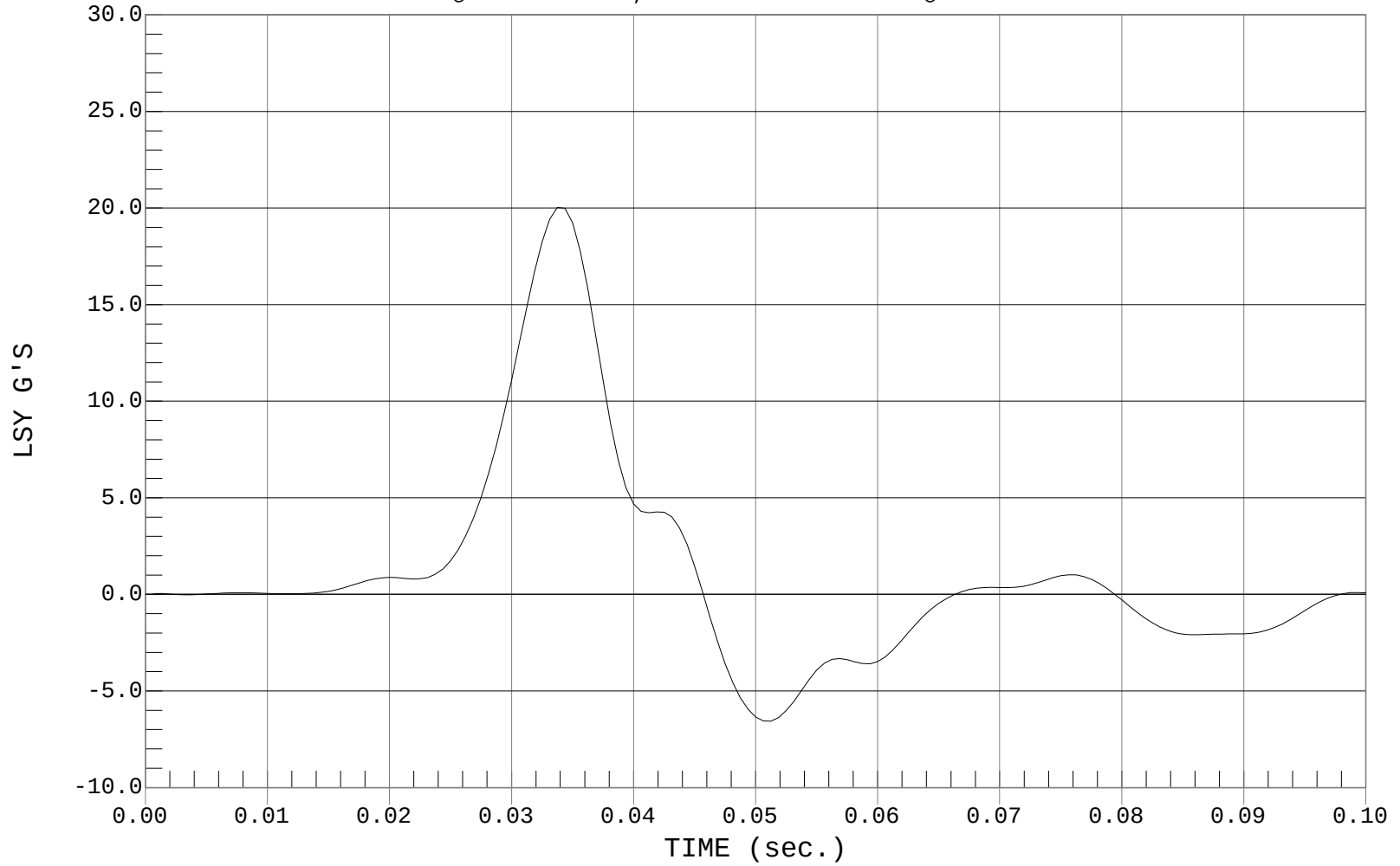
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #048

Test Date: 02-02-01
Speed: 14.06 FT/SEC, 4.28 M/SEC

— 1 LSY, D01172FI.R10

Ymin = -6.56 G'S @ 0.0513 sec., Ymax = 20.04 G'S @ 0.0338 sec.



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

Date: 2/2/01
Dummy Serial Number: 048
Test Number: D01173

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
Pelvis Acceleration (g's)	40 – 60	47

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



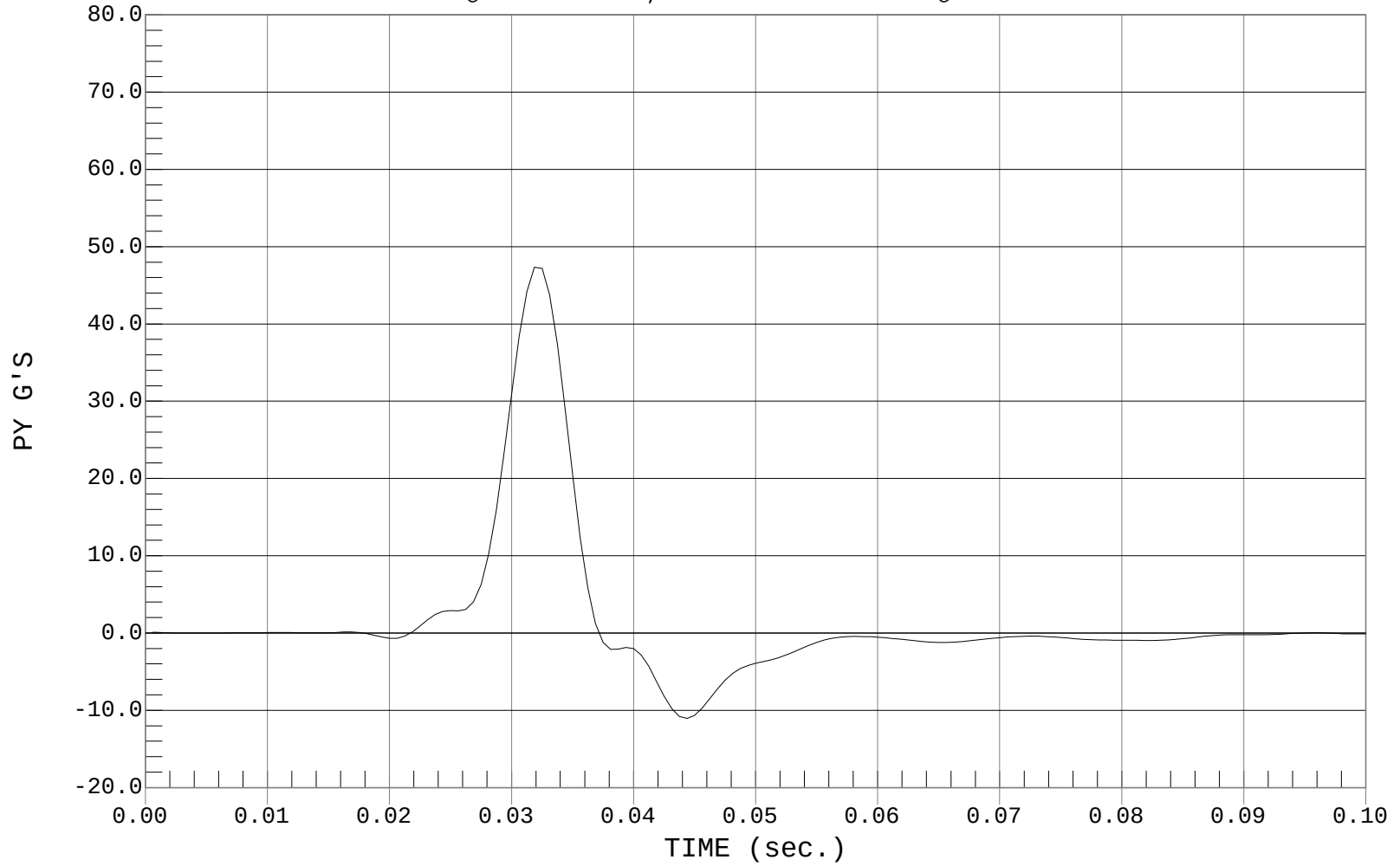
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #048

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

— 1 PY, D01173FI.R11

Ymin = -11.06 G'S @ 0.0444 sec., Ymax = 47.32 G'S @ 0.0319 sec.



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

Date: 2/2/01
Dummy Serial Number: 048
Test Number: D01174

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.0
Relative Humidity (%)	10 – 70	18
Force @ 12.7 mm	104 – 162	152
Force @ 19 mm	163 – 222	209
Force @ 25.4 mm	222 – 280	274
Force @ 33 mm	325 - 391	382

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



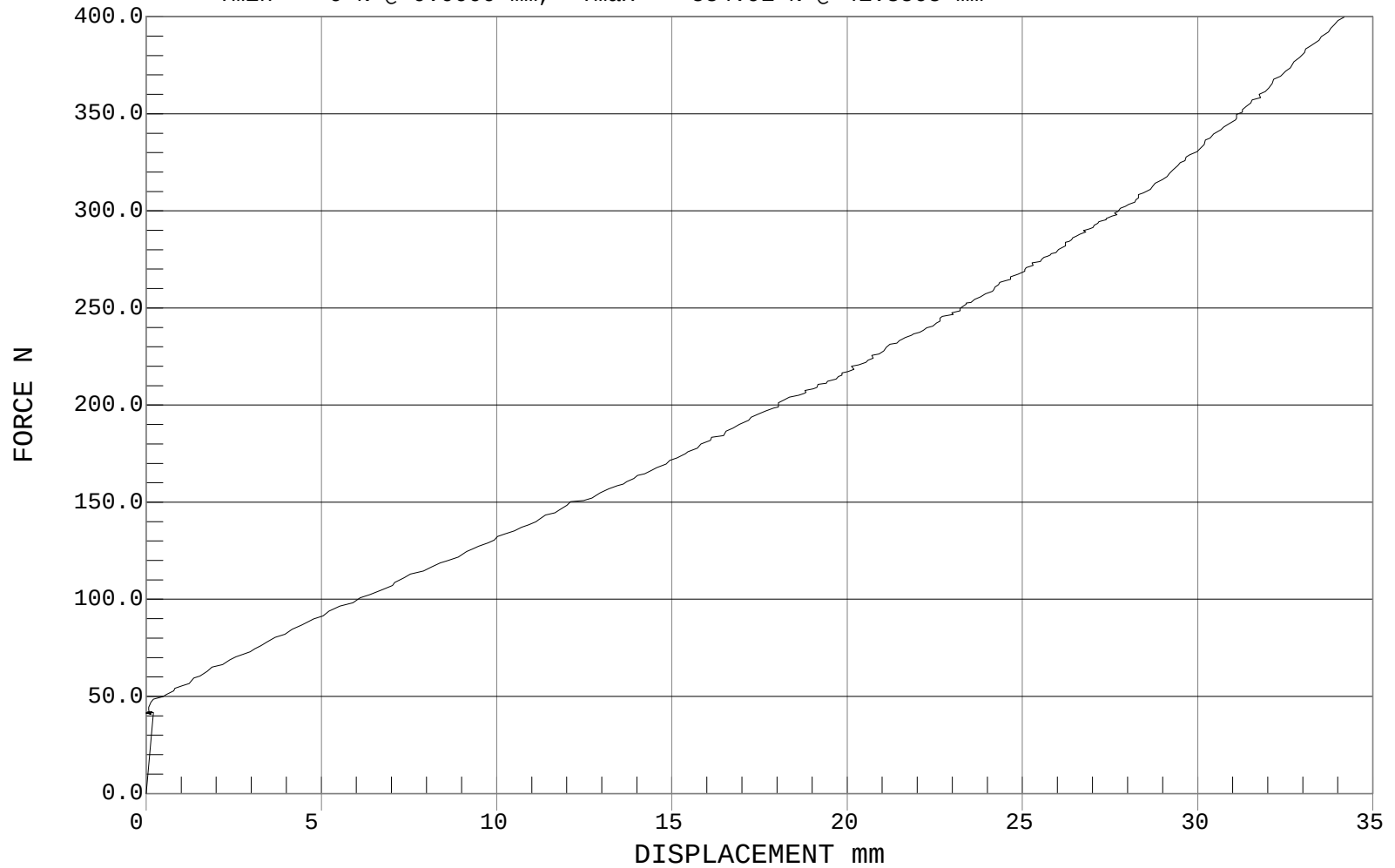
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 048

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

— 1 FORCE, D01174FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 554.91 N @ 41.8505 mm



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

Date: 2/2/01
Dummy Serial Number: 048
Test Number: D01175

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	99.6
Force @ 30°	151.2 – 204.6	163.7
Force @ 40°	204.6 – 258.0	215.9
Return Angle	12° maximum	7

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



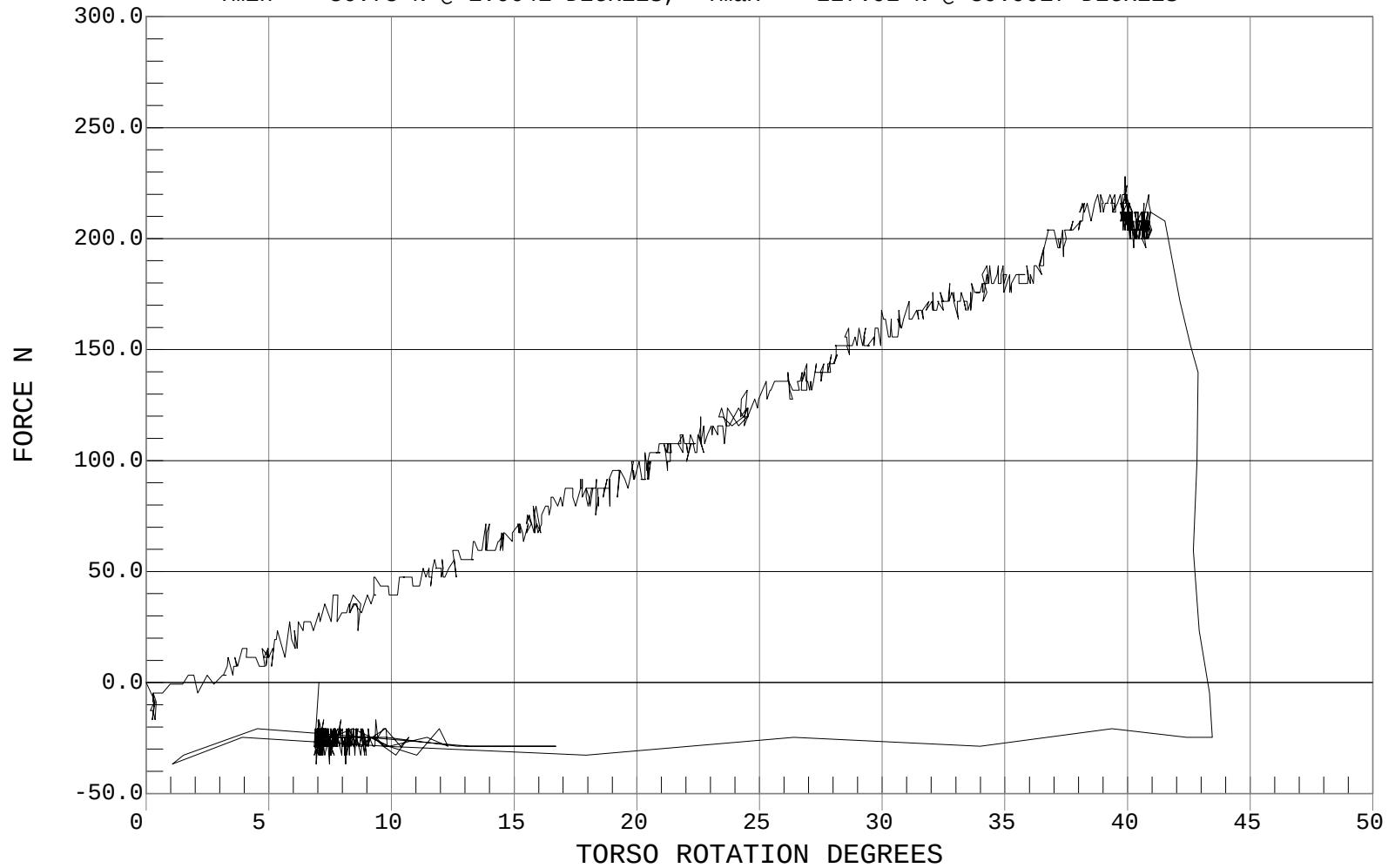
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 048

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

— 1 FORCE, D01175FC.F14

Ymin = -36.78 N @ 1.0641 DEGREES, Ymax = 227.92 N @ 39.9017 DEGREES



DUMMY INSPECTION CHECKLIST

Type: Side Impact Dummy

Dummy Serial Number: 048

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: 049

Calibration Test Results Summary

Dummy Serial Number: 049

Pre-Test Calibration

External Dimensions:	The dummy passed all external dimension 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: 049
 Date of Verification: 3/22/01
 Test Number: D0135

DESCRIPTION	SPECIFICATION	TEST RESULTS
SH-Seated Height (mm)	889 – 909	900
RH-Rib Height (mm)	501 – 521	517
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	522
SW-Knee Pivot to Floor (mm)	490 – 505	492
HW – Hip Width (mm)	356 – 391	369

Technician: _____

Approved By:_____

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

Date: 3/21/01

Dummy Serial Number: 049

Test Number: D01352

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.6
Relative Humidity (%)	10 – 70	22
Probe Speed (m/s)	4.27 – 4.33	4.28
Upper Rib (g's)	37 – 46	38
Lower Rib (g's)	37 – 46	41
Lower Spine (g's)	15 - 22	20

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



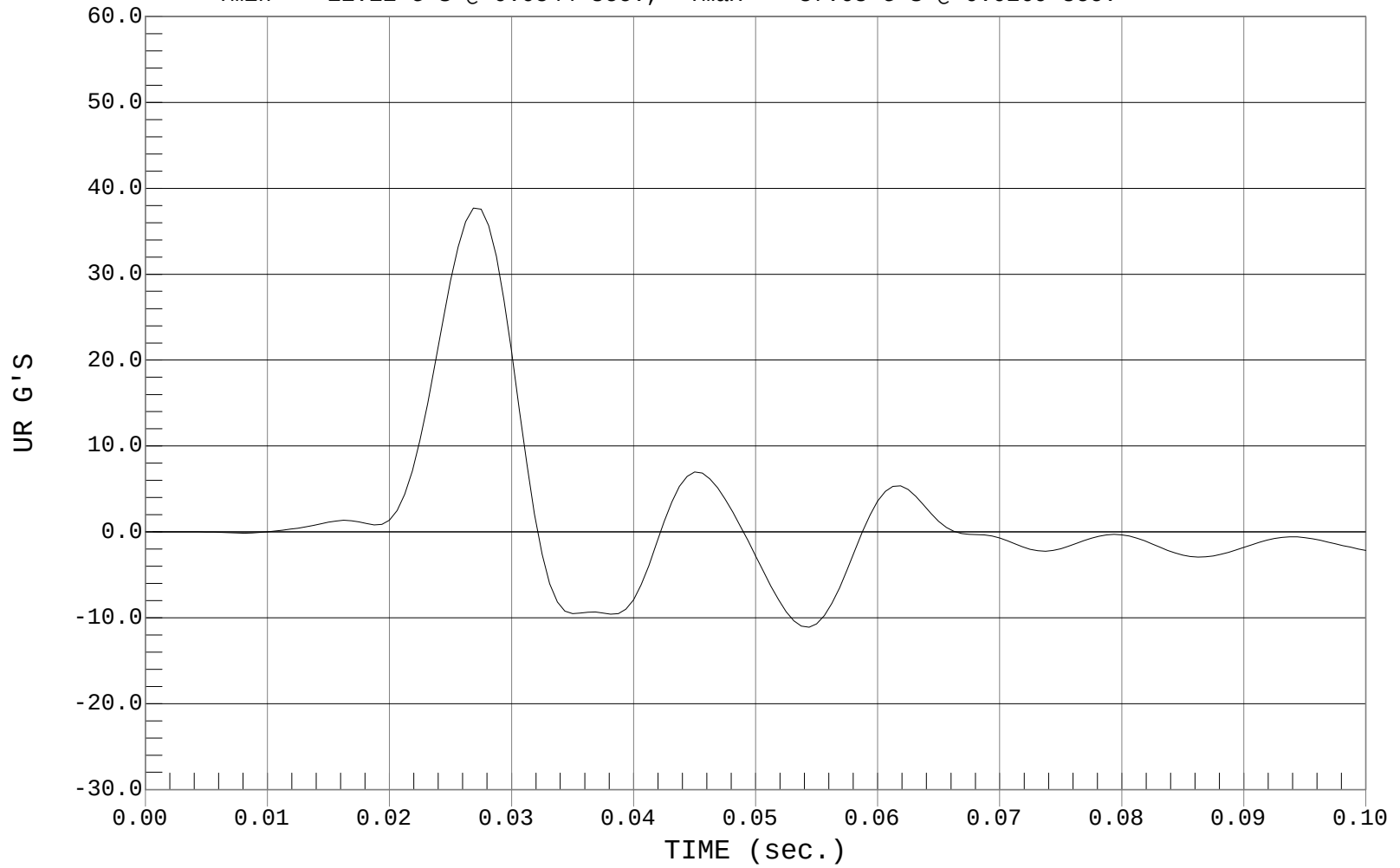
UPPER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #049

Test Date: 03-21-01
Speed: 14.04 FT/SEC, 4.28 M/SEC

— 1 UR, D01352FI.R08

Ymin = -11.11 G'S @ 0.0544 sec., Ymax = 37.68 G'S @ 0.0269 sec.





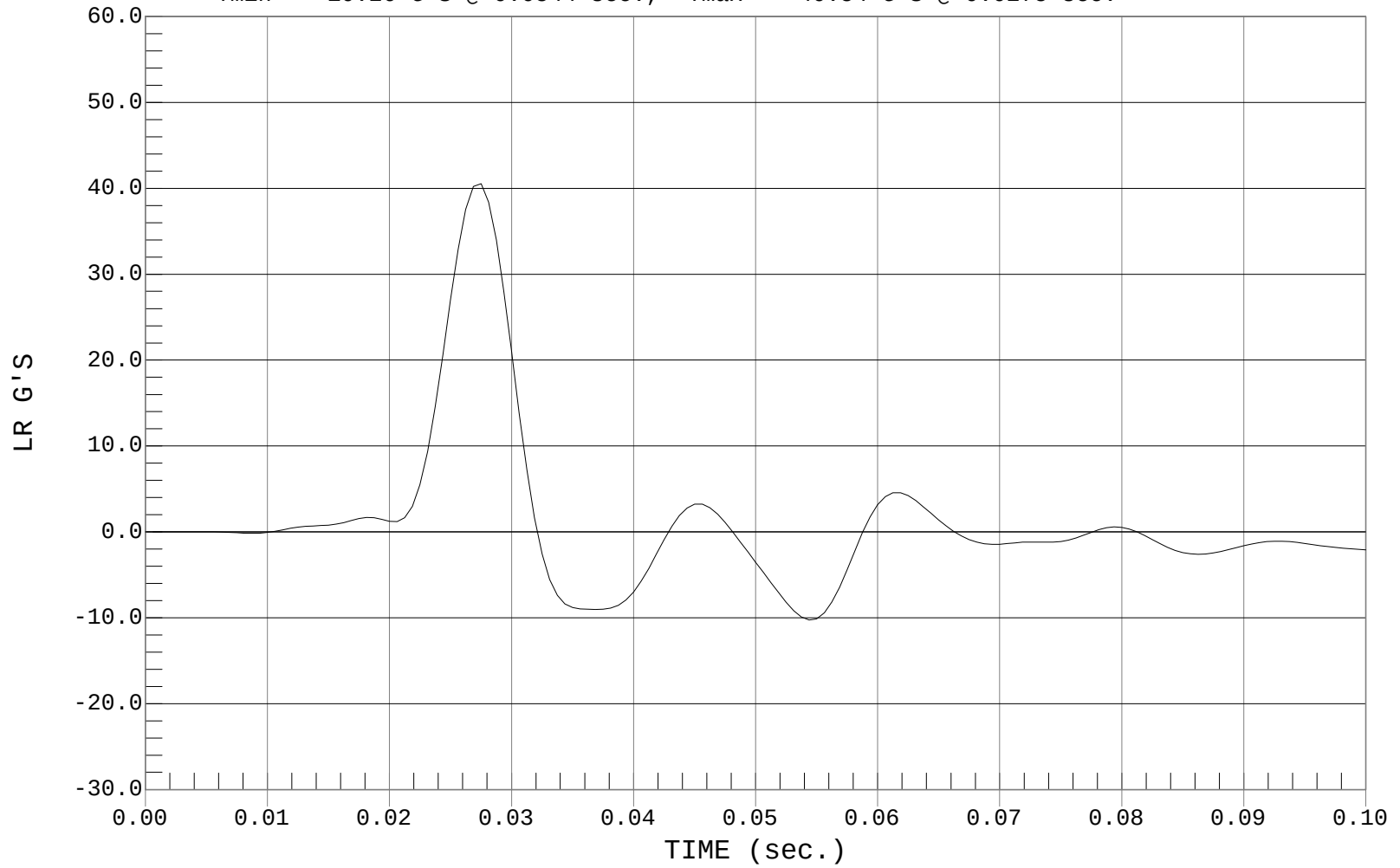
LOWER RIB ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #049

Test Date: 03-21-01
Speed: 14.04 FT/SEC, 4.28 M/SEC

— 1 LR, D01352FI.R09

Ymin = -10.26 G'S @ 0.0544 sec., Ymax = 40.54 G'S @ 0.0275 sec.





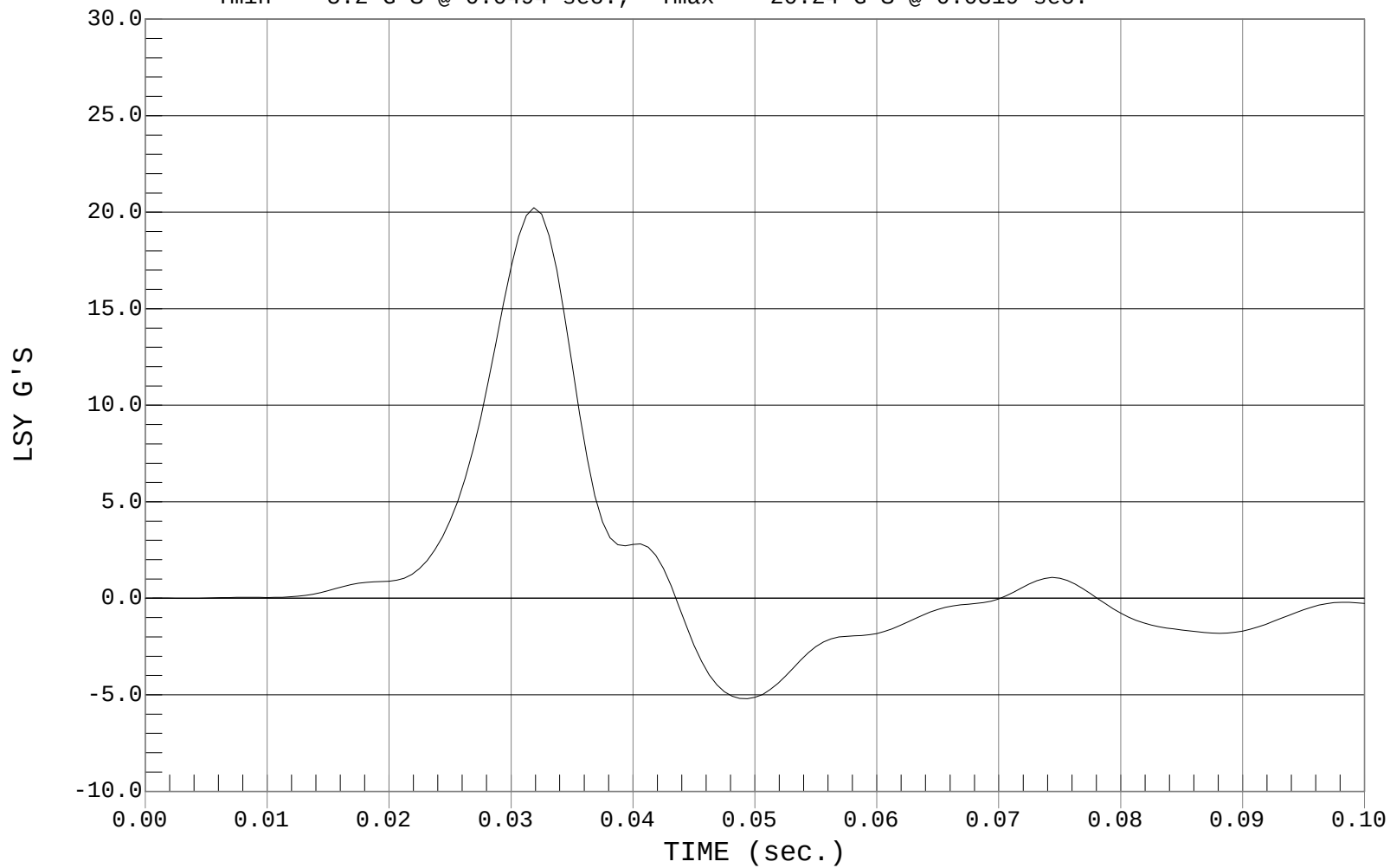
LOWER SPINE ACCELERATION

Test Desc.: Dummy Calibration - Thorax Impact
Component: Dummy #049

Test Date: 03-21-01
Speed: 14.04 FT/SEC, 4.28 M/SEC

— 1 LSY, D01352FI.R10

Ymin = -5.2 G'S @ 0.0494 sec., Ymax = 20.24 G'S @ 0.0319 sec.



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

Date: 3/21/01

Dummy Serial Number: 049

Test Number: D01353

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	21.6
Relative Humidity (%)	10 – 70	22
Probe Speed (m/s)	4.27 – 4.33	4.28
Pelvis Acceleration (g's)	40 – 60	48

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



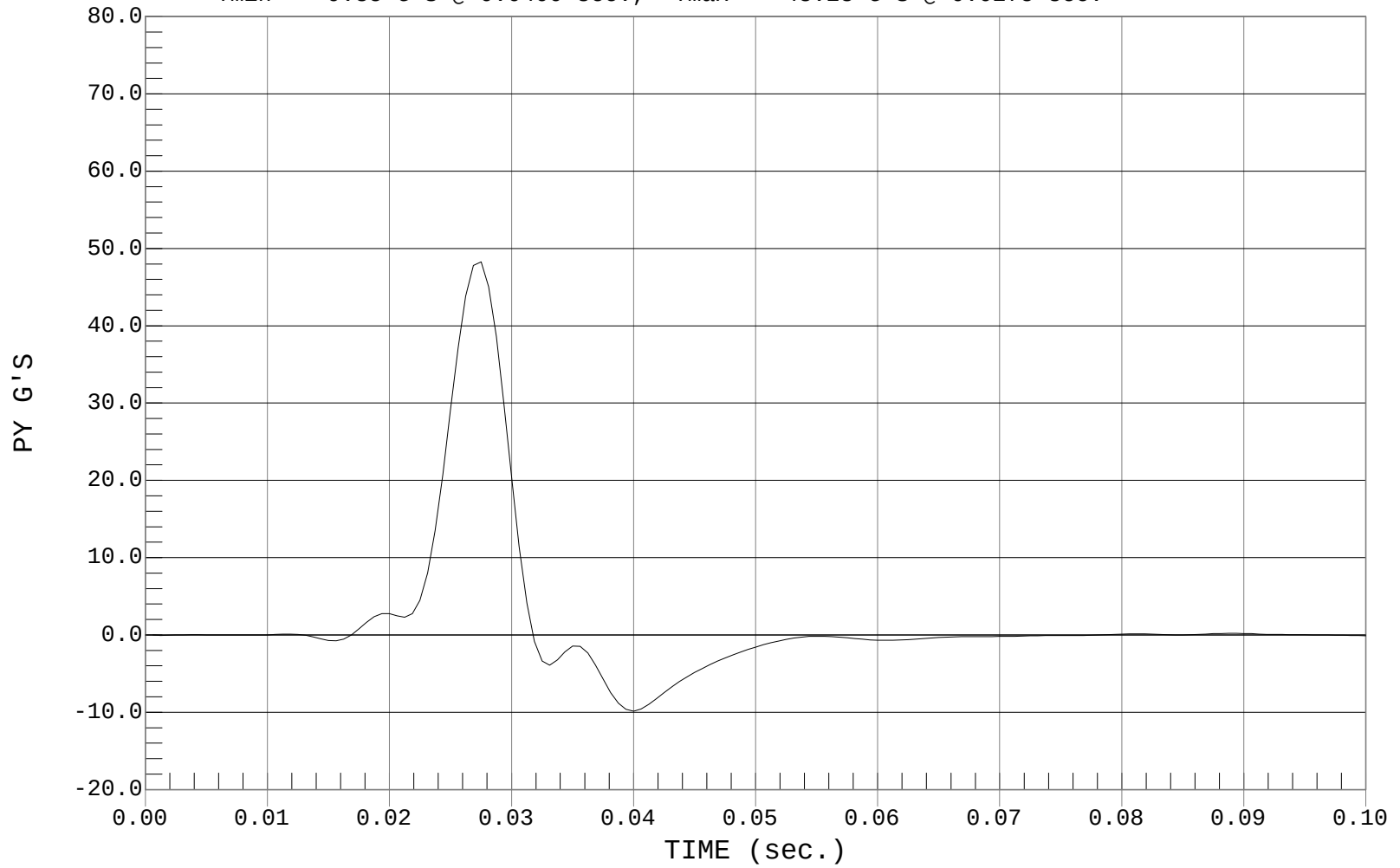
PELVIS ACCELERATION

Test Desc.: Dummy Calibration - Pelvis Impact
Component: Dummy #049

Test Date: 03-21-01
Speed: 14.05 FT/SEC, 4.28 M/SEC

— 1 PY, D01353FI.R11

Ymin = -9.85 G'S @ 0.0400 sec., Ymax = 48.28 G'S @ 0.0275 sec.



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

Date: 3/21/01

Dummy Serial Number: 049

Test Number: D01354

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	22.6
Relative Humidity (%)	10 – 70	26
Force @ 12.7 mm	104 – 162	131
Force @ 19 mm	163 – 222	183
Force @ 25.4 mm	222 – 280	242
Force @ 33 mm	325 - 391	333

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



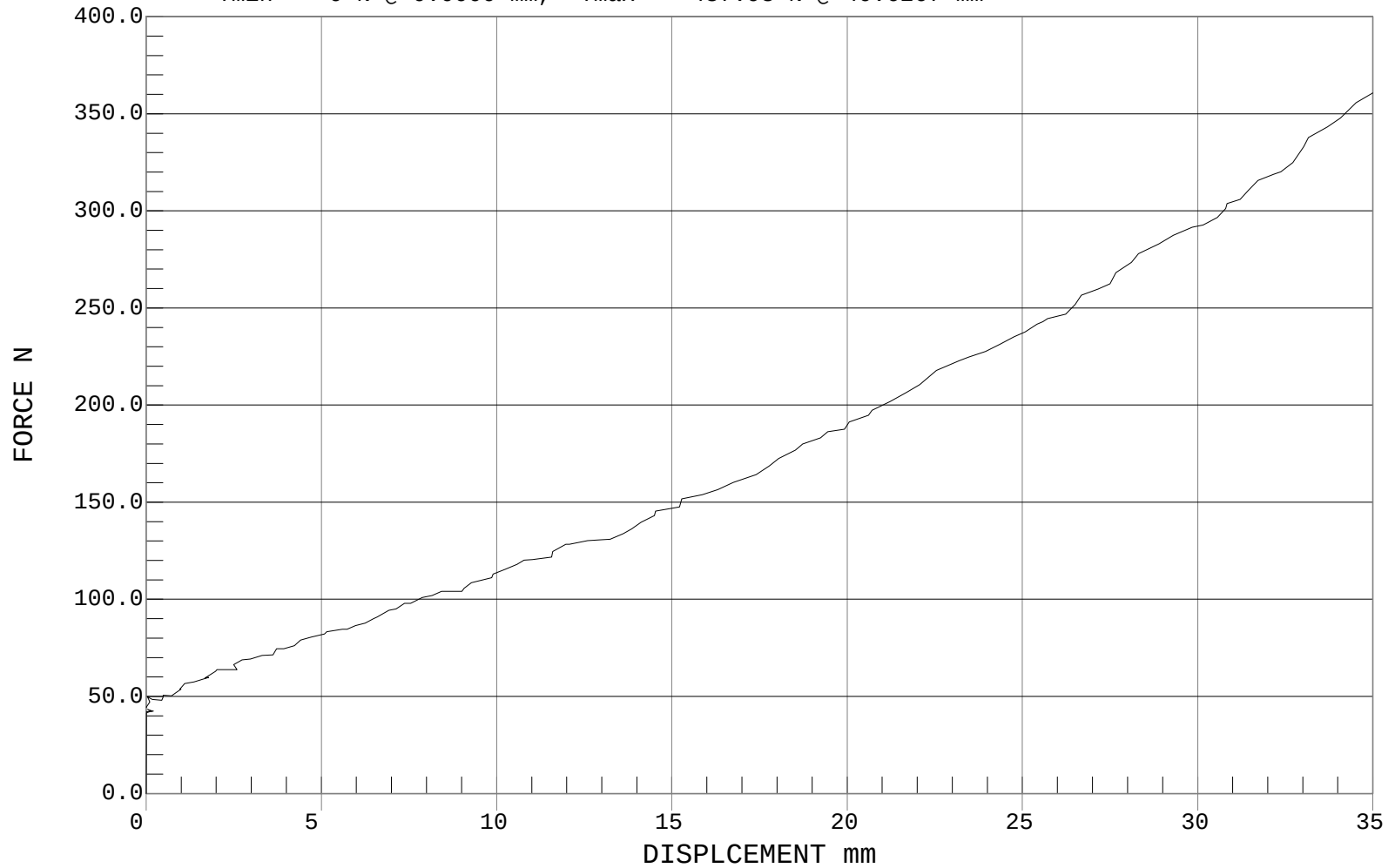
ABDOMEN COMPRESSION

Test Desc.: DUMMY CALIBRATION - ABDOMEN COMPRESSION
Component: DUMMY # 049

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

1 FORCE, D01354FC.F16

Ymin = 0 N @ 0.0000 mm, Ymax = 437.93 N @ 40.6267 mm



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

Date: 3/21/01

Dummy Serial Number: 049

Test Number: D01355

TEST PARAMETER	SPECIFICATION	TEST RESULTS
Temperature (°C)	18.9 – 25.5	22.8
Relative Humidity (%)	10 – 70	24
Force @ 0°	0 – 26.7	0
Force @ 20°	97.9 – 151.2	104.0
Force @ 30°	151.2 – 204.6	176.7
Force @ 40°	204.6 – 258.0	253.4
Return Angle	12° maximum	3

TEST MEETS SPECIFICATIONS

Technician: _____

Approved By: _____



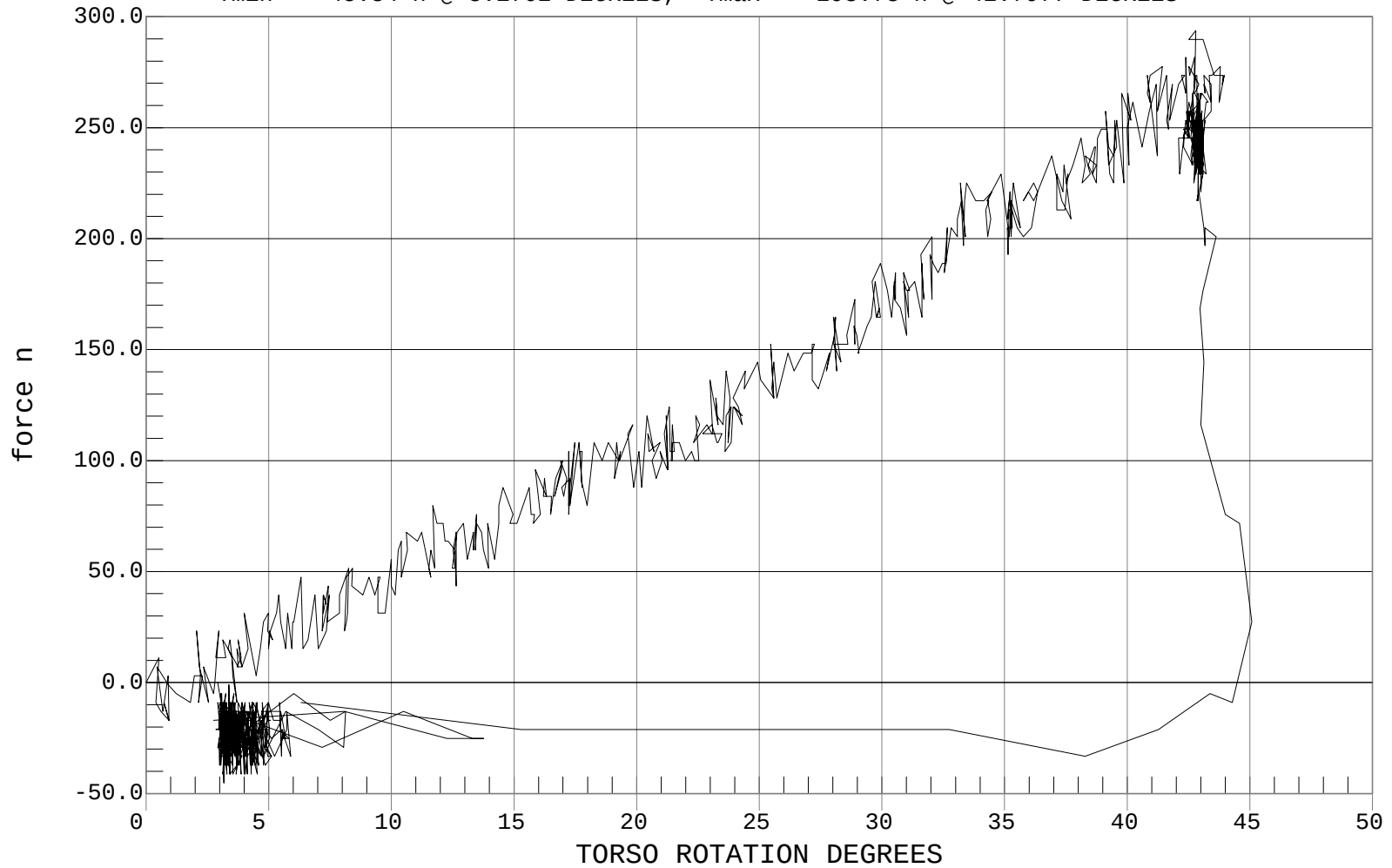
LUMBAR FLEXION

Test Desc.: DUMMY CALIBRATION - LUMBAR FLEXION
Component: DUMMY # 049

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

— 1 force, D01355FC.F14

Ymin = -45.34 n @ 3.1702 DEGREES, Ymax = 293.73 n @ 42.7977 DEGREES



DUMMY INSPECTION CHECKLIST

Type: Side Impact Dummy

Dummy Serial Number: 049

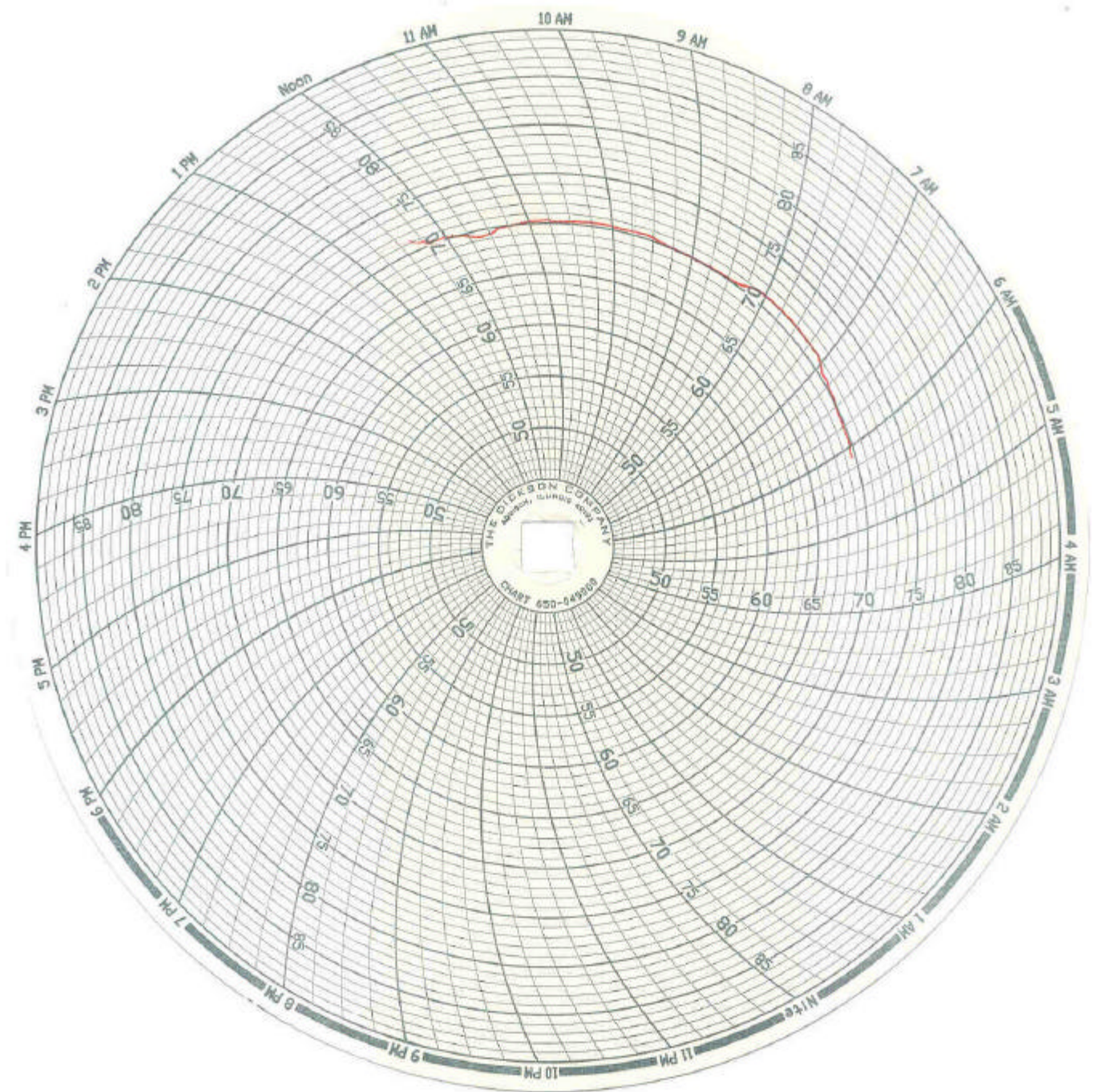
Inspected By: Tim Michnay

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



*Dummy was installed in the vehicle at 6:00am.

*Test time at 12:15pm.

APPENDIX D

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

DUMMY AND VEHICLE CALIBRATION DATA

	INSTRUMENTS FOR DRIVER DUMMY NO. 048		
	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Upper Rib Y	AJ412	Endevco	1/8/01
Lower Rib Y	AJ417	Endevco	1/8/01
Lower Spine Y	ANAP1	Endevco	1/8/01
Pelvis Y	J13630	Endevco	1/8/01
Upper Rib Redundant Y	AHRP6	Endevco	1/8/01
Lower Rib Redundant Y	AGP20	Endevco	1/8/01
Lower Spine Redundant Y	ANAT6	Endevco	1/8/01
Pelvis Redundant Y	J13938	Endevco	1/8/01
Head Center of Gravity X	AJ9D8	Endevco	3/22/01
Head Center of Gravity Y	AHTF1	Endevco	3/22/01
Head Center of Gravity Z	AJ9D6	Endevco	3/22/01

	INSTRUMENTS FOR PASSENGER DUMMY NO. 049		
	SERIAL NO.	MANUFACTURER	CALIBRATION DATE
Upper Rib Y	AKAC4	Endevco	12/18/00
Lower Rib Y	AMTA3	Endevco	12/18/00
Lower Spine Y	AP1Y8	Endevco	12/15/00
Pelvis Y	J13851	Endevco	12/17/00
Upper Rib Redundant Y	J1364	Endevco	12/18/00
Lower Rib Redundant Y	AJ420	Endevco	12/18/00
Lower Spine Redundant Y	AMT78	Endevco	12/15/00
Pelvis Redundant Y	J13658	Endevco	11/17/00
Head Center of Gravity X	AH0D1	Endevco	3/22/01
Head Center of Gravity Y	AHWK8	Endevco	3/22/01
Head Center of Gravity Z	AHOMO	Endevco	3/22/01

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	A22-F42	Entran	3/21/01
Left Lower A-Post Y	I25-F04	Entran	12/13/00
Left Mid B-Post Y	E23-R11	Entran	2/7/01
Left Lower B-Post Y	G13-F01	Entran	2/7/01
Rear Floorpan Above Axle X	D05-R25	Entran	2/7/01
Rear Floorpan Above Axle Y	D06-A03	Entran	2/7/01
Rear Floorpan Above Axle Z	A08-A12	Entran	2/8/01
Driver Seat Track Y	A08-A14	Entran	2/8/01
Right Side Sill at Front Seat X	A09-G07	Entran	12/13/00
Right Side Sill at Front Seat Y	I25-F01	Entran	11/15/00
Right Side Sill at Front Seat Z	I25-F02	Entran	11/15/00
Right Side Sill at Rear Seat X	E13-D07	Entran	3/21/01
Right Side Sill at Rear Seat Y	K16-X08	Entran	3/21/01
Right Side Sill at Rear Seat Z	K11-G07	Entran	3/21/01
Left Side Sill at Front Seat Y	E10-F07	Entran	7/20/00
Left Side Sill at Rear Seat Y	G01-J18	Entran	7/20/00
Right Rear Occupant Compartment Y	G13-F07	Entran	2/15/01
Vehicle CG X	K11-J08	Entran	2/7/01
Vehicle CG Y	J10-E12	Entran	3/21/01
Vehicle CG Z	D05-R10	Entran	2/15/01

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

All Entran accelerometers are Model No. EGE-72