

V 3193

REPORT NUMBER: SNCAP-CAL-00-3

**NEW CAR ASSESSMENT PROGRAM
SIDE IMPACT TEST**

HONDA OF AMERICA MANUFACTURING, INC.
2000 HONDA ACCORD
4-DOOR SEDAN

NHTSA NUMBER: MY5301

VERIDIAN ENGINEERING TEST NUMBER: 8506-8

VERIDIAN ENGINEERING
TRANSPORTATION SCIENCES CENTER
P.O. BOX 400
BUFFALO, NEW YORK 14225



September 22, 1999

FINAL REPORT

U. S. DEPARTMENT OF TRANSPORTATION
National Highway Traffic Safety Administration
Safety Performance Standards
Office of Crashworthiness Standards
Mail Code: NPS-10
400 Seventh Street, SW, Room No. 5313
Washington, DC 20590

This Final Test Report was prepared for the U.S. Department of Transportation, National Highway Traffic Safety Administration, under Contract No. DTNH22-98-C-02001. This document is disseminated under the sponsorship of the U.S. Department of Transportation in the interest of information exchange. The United States Government assumes no liability for its contents or use thereof.

Prepared By:

Patrick G. MacDiarmid, Jr.
Patrick G. MacDiarmid, Jr., Project Engineer

Approved By:

David J. Travale
David J. Travale, Program Manager
Transportation Sciences Center

Approval Date:

October 4, 1999

FINAL REPORT ACCEPTANCE BY:

Accepted By:

Hans Chan

Acceptance Date:

Oct 12, 1999

TECHNICAL REPORT STANDARD TITLE PAGE

1. Report No. SNCAP-CAL-99-3		2. Government Accession No.		3. Recipient's Catalog No.																															
4. Title and Subtitle Final Report of new Car Assessment Program Side Impact Testing of a 2000 Honda Accord 4-Door Sedan NHTSA No.: MY5301				5. Report Date September 22, 1999																															
				6. Performing Organization Code CAL																															
7. Author(s) Patrick G. MacDiarmid, Jr., Project Engineer David J. Travale, Program Manager				8. Performing Organization Report No. 8506-8																															
9. Performing Organization Name and Address Veridian Engineering Transportation Sciences Center P.O. Box 400 Buffalo, New York 14225				10. Work Unit No.																															
				11. Contract or Grant No. DTNH22-98-C-02001																															
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Office of Crashworthiness Standards Mail Code: NPS-10 400 Seventh, SW, Room 5313 Washington, D.C. 20590				13. Type of Report and Period Covered Final Report, Sept/Oct 1999																															
				14. Sponsoring Agency Code NPS-10																															
15. Supplementary Notes																																			
16. Abstract A 55/28 kph 90° Impact Moving Deformable Barrier NCAP Side Impact Test Test was conducted on the subject 2000 Honda Accord 4-Door Sedan in accordance with the specifications of the Office of Crashworthiness Standards Test Procedure for the generation of consumer information on vehicle side crash protection. This test was conducted at the Veridian Engineering Crash Test Facility in Buffalo, New York, on September 22, 1999. The impact velocity of the Moving Deformable Barrier (MDB) was 61.6 kph, and the ambient temperature at the struck (driver's) side of the target vehicle at the time of impact was 18.9°C. The target vehicle post-test maximum crush was 350 mm at level 2. The test or target vehicle's performance is given below: <table border="0"> <thead> <tr> <th></th> <th align="center"><u>Front SID</u></th> <th></th> <th align="center"><u>Rear SID</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Left Upper Rib Acceleration:</td> <td align="center"><u>41</u></td> <td align="center">g's</td> <td align="center"><u>39</u></td> <td align="center">g's</td> </tr> <tr> <td>Left Lower Rib Acceleration:</td> <td align="center"><u>60</u></td> <td align="center">g's</td> <td align="center"><u>43</u></td> <td align="center">g's</td> </tr> <tr> <td>Lower Spine Acceleration:</td> <td align="center"><u>55</u></td> <td align="center">g's</td> <td align="center"><u>57</u></td> <td align="center">g's</td> </tr> <tr> <td>Thoracic Trauma Index (TTI):</td> <td align="center"><u>58</u></td> <td align="center">g's</td> <td align="center"><u>50</u></td> <td align="center">g's</td> </tr> <tr> <td>Pelvis Acceleration (PEV):</td> <td align="center"><u>73</u></td> <td align="center">g's</td> <td align="center"><u>54</u></td> <td align="center">g's</td> </tr> </tbody> </table> The two 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>Front SID</u>		<u>Rear SID</u>		Left Upper Rib Acceleration:	<u>41</u>	g's	<u>39</u>	g's	Left Lower Rib Acceleration:	<u>60</u>	g's	<u>43</u>	g's	Lower Spine Acceleration:	<u>55</u>	g's	<u>57</u>	g's	Thoracic Trauma Index (TTI):	<u>58</u>	g's	<u>50</u>	g's	Pelvis Acceleration (PEV):	<u>73</u>	g's	<u>54</u>	g's
	<u>Front SID</u>		<u>Rear SID</u>																																
Left Upper Rib Acceleration:	<u>41</u>	g's	<u>39</u>	g's																															
Left Lower Rib Acceleration:	<u>60</u>	g's	<u>43</u>	g's																															
Lower Spine Acceleration:	<u>55</u>	g's	<u>57</u>	g's																															
Thoracic Trauma Index (TTI):	<u>58</u>	g's	<u>50</u>	g's																															
Pelvis Acceleration (PEV):	<u>73</u>	g's	<u>54</u>	g's																															
17. Key Words New Car Assessment Program (NCAP) Side Impact MDB Side Impact Dummy (SID)			18. Distribution Statement Copies of this report are available from: National Highway Traffic Safety Administration Technical Reference Division Room 5108 (NAD-52) 400 Seventh St., S.W. Washington, D.C. 20590 Telephone No. (202) 366-4946 ATTN: Robert Hornicle																																
19. Security Classification of Report UNCLASSIFIED		20. Security Classification of Page UNCLASSIFIED		21. No. of Pages 263																															
				22. Price																															

TABLE OF CONTENTS

<u>Section</u>	<u>Page No.</u>
1 PURPOSE AND TEST PROCEDURE	1-1
2 SUMMARY OF SIDE IMPACT TEST	2-1
3 VEHICLE TEST DATA	3-1
Data Sheet 1 - General Vehicle Test Parameter Data	3-2
Data Sheet 2 - Test Vehicle Summary of Results	3-5
Data Sheet 3 - Moving Deformable Barrier (MDB) Summary	3-6
Data Sheet 4 - Post Test Observations	3-7
4 OCCUPANT AND VEHICLE INFORMATION	4-1
Data Sheet 5 - SID Instrumentation Data	4-2
Data Sheet 6 - Vehicle Pre- And Post Test Measurements	4-3
Data Sheet 7 - SID Longitudinal Clearance Dimensions	4-4
Data Sheet 8 - SID Lateral Clearance Dimensions	4-5
Data Sheet 9 - Vehicle Side Measurements	4-6
Data Sheet 10 - Vehicle Exterior Crush Profiles - All Levels	4-7
Data Sheet 11 - Vehicle Damage Profile Distances	4-13
Data Sheet 12 - Exterior Static Crush For Impactor Face	4-14
Data Sheet 13 - Test Vehicle Accelerometer Locations And Data Summary	4-16
Data Sheet 14 - MDB Accelerometer Locations and Data Summary	4-19
Data Sheet 15 - High Speed Camera Locations and Data	4-20
5 VEHICLE FUEL SYSTEM INTEGRITY	5-1
Data Sheet 16 - FMVSS 301 Fuel System Integrity Data	5-2
Data Sheet 17 - FMVSS 301 Rollover Data	5-3
APPENDIX A PHOTOGRAPHS	A-1
APPENDIX B VEHICLE, MDB AND SID RESPONSE DATA	B-1
APPENDIX C SID CONFIGURATION AND PERFORMANCE VERIFICATION DATA	C-1
APPENDIX D TEST EQUIPMENT LIST AND CALIBRATION INFORMATION	D -1

SECTION 1

PURPOSE AND TEST PROCEDURE

This side impact test is part of the FY2000 New Car Assessment Program Side Impact Protection sponsored by the National Highway Traffic Safety Administration (NHTSA) under Contract No. DTNH22-98-C-02001. The purpose of this test was to generate comparative side impact performance in a 2000 Honda Accord 4-Door Sedan. The test was conducted in accordance with the Office of Crashworthiness Standards's Laboratory Test Procedure dated July, 1997.

SECTION 2

SUMMARY OF SIDE IMPACT TEST

A 2000 Honda Accord 4-Door Sedan was impacted on the left or driver's side by a Moving Deformable Barrier (MDB) which was moving forward in a 27° crabbed position to the monorail at a velocity of 61.6 kph (38.3 mph). The target vehicle was stationary and was positioned at an angle of 63° to the line of forward motion. The side impact test was conducted by the Veridian Engineering Transportation Sciences Center in Buffalo, New York on September 22, 1999. Pre- and post-test photographs of the test vehicle, the moving deformable barrier (MDB), and the side impact dummies (SIDs) are included in Appendix A.

Two restrained Side Impact Dummies (SIDs) were placed in the driver (Pos. #1) and left rear (Pos. #4) designated seating positions according to the instructions specified in the OCWS Side Impact Laboratory Test Procedure which is dated July, 1997. The side impact test was documented by one real-time camera and 9 high-speed cameras. Camera locations and other pertinent camera information are included in this report.

The SIDs were instrumented with the following accelerometers:

1. Left Upper Rib (LUR) uniaxial and redundant accelerometer (Y-direction)
2. Left Lower Rib (LLR) uniaxial and redundant accelerometer (Y-direction)
3. Lower Thoracic Spine (T₁₂) uniaxial and redundant accelerometer (Y-direction)
4. Pelvic (PEV) section uniaxial and redundant accelerometer (Y-direction)

A summary of the side impact dummy (SID) configuration and verification test data can be found in Appendix C. A total of 47 channels of data were recorded. Appendix B contains the vehicle, MDB and dummy response data traces.

The following table summarizes the results of the test.

Injury Criteria	Front SID	Rear SID
TTI (g)	58	50
PEV (g)	73	54

SECTION 3

SUMMARY OF TEST RESULTS

DATA SHEET 1

GENERAL TEST AND VEHICLE PARAMETER DATA

TEST VEHICLE INFORMATION:

Year/Make/Model/Body Style: 2000 Honda Accord 4-Door Sedan
 Vehicle Body Color: Blue VIN: 1HGCG6686YA006143
 Vehicle NHTSA No.: MY5301 Month & Year of Manufacture: _____
 Engine Data: 4 Cylinders; - CID; 2.3 Liters; - cc
 Engine Placement: - Longitudinal; or X Lateral
 Transmission: 4 Speed; - Manual; X Automatic; X Overdrive
 Final Drive: - Rear Wheel Drive; X Front Wheel Drive; - Four Wheel
 Odometer Reading 21 km
 Options: X A/C; X Power Steering; X Pwr.Brakes; X Pwr. Windows

DATA FROM TIRE PLACARD

Tire Pressure* (at capacity); 210 kPa FRONT
210 kPa REAR
 Recommended Tire Size: P195/65R15
 Tires on Test Vehicle: P195/65R15 ; Manufacturer: Michelin
 Vehicle Capacity Data:
 Number of Occupants: 2 Front; 3 Rear; - 3rd Seat; 5 Total
 Type of Front Seats: X Bucket; - Bench; - Split Bench
 Type of Front Seat Back: - Fixed; X Adjustable with X Lever or - Knob
 Vehicle Max Capacity Loading = 385.6 kg (A)
 No. of Occupants x 68.04 kg. = 340.2 kg (B)
 Vehicle Cargo Capacity = 45.4 kg (A-B)

TEST VEHICLE DELIVERED WEIGHT WITH MAXIMUM FLUIDS:

Left Front	=	<u>432.5</u> kg	Left Rear	=	<u>277.5</u> kg
Right Front	=	<u>433.5</u> kg	Right Rear	=	<u>276.0</u> kg
TOTAL FRONT	=	<u>866.0</u> kg	TOTAL REAR	=	<u>553.5</u> kg
% of Total Weight	=	<u>61.0</u> %	% of Total Weight	=	<u>39.0</u> %
TOTAL WEIGHT	=	<u>1419.5</u> kg			

* Tire pressure used in test.

DATA SHEET 1 (continued)

GENERAL TEST VEHICLE PARAMETER DATA

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

CALCULATION OF VEHICLE'S TARGET TEST WEIGHT:

Total Test Vehicle Delivered Weight with Max. Fluids	=	<u>1419.5</u>	kg (A)
Maximum Cargo Carrying Capacity of Test Vehicle	=	<u>45.4</u>	kg (B)
Weight of 2 instrumented Side Impact Dummies	=	<u>162.4</u>	kg (C)
TEST VEHICLE TARGET WEIGHT:	=	<u>1627.3</u>	kg (A+B+C)

FULLY LOADED TEST VEHICLE (UDVW + 1 or 2 SID(s) + CARGO):

Left Front	=	<u>485.5</u>	kg	Left Rear	=	<u>376.5</u>	kg
Right Front	=	<u>435.5</u>	kg	Right Rear	=	<u>337.5</u>	kg
TOTAL FRONT	=	<u>921.0</u>	kg	TOTAL REAR	=	<u>714.0</u>	kg
% of Total Weight	=	<u>56.3</u>	%	% of Total Weight	=	<u>43.7</u>	%
TOTAL TEST WEIGHT	=	<u>1635.0</u>	kg				

AS TESTED WEIGHT OF TEST VEHICLE (1 OR 2 SID(s) + CARGO + EQUIPMENT & INSTRUMENTATION):

Left Front	=	<u>484.0</u>	kg	Left Rear	=	<u>357.0</u>	kg
Right Front	=	<u>444.5</u>	kg	Right Rear	=	<u>333.0</u>	kg
TOTAL FRONT	=	<u>928.5</u>	kg	TOTAL REAR	=	<u>690.0</u>	kg
% of Total Weight	=	<u>57.4</u>	%	% of Total Weight	=	<u>42.6</u>	%
TOTAL TEST WEIGHT	=	<u>1618.5</u>	kg				

TEST VEHICLE ATTITUDE (all dimensions in millimeters):

AS DELIVERED:

Left Front	<u>706</u>	Right Front	<u>701</u>	Left Rear	<u>701</u>	Right Rear	<u>696</u>
------------	------------	-------------	------------	-----------	------------	------------	------------

FULLY LOADED:

Left Front	<u>683</u>	Right Front	<u>690</u>	Left Rear	<u>656</u>	Right Rear	<u>666</u>
------------	------------	-------------	------------	-----------	------------	------------	------------

READY FOR TEST:

Left Front	<u>684</u>	Right Front	<u>690</u>	Left Rear	<u>662</u>	Right Rear	<u>667</u>
------------	------------	-------------	------------	-----------	------------	------------	------------

Test Vehicle Wheelbase: 2710 millimeters

C.G. = 1155.3 millimeters rearward of front wheel centerline

TOTAL VEHICLE LENGTH:

Right Side	=	<u>4662</u>	millimeters
Left Side	=	<u>4662</u>	millimeters
Centerline	=	<u>4782</u>	millimeters

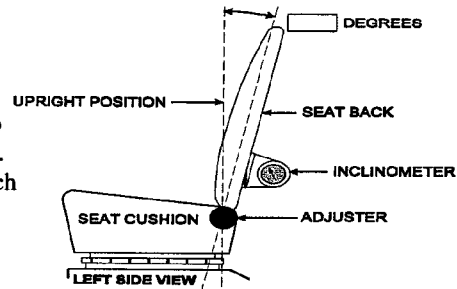
DATA SHEET 1 (continued)

GENERAL TEST VEHICLE PARAMETER DATA

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

Nominal Design Riding Position for adjustable driver and passenger seat backs. Please describe how to position the inclinometer to measure the seat back angle. Include description of the location of the adjustment latch detent, if applicable.



FRONT SEAT ASSEMBLY

FRONT SEAT CUSHION PLACEMENT: Mechanical Mid position

Total Length of Adjustment Travel: 240 millimeters

Total Number of Adjustment Positions or Detents: Electric seat placed at 120 mm of 240 mm travel

FRONT SEAT BACK ADJUSTMENT POSITION: Adjust so headrest is 617 mm from outer sun visor bracket bolt

Seat Back Torso Angle: 9.5 (on headrest) degrees

SECOND POSITION SEAT:

Total Length of Fore/Aft Adjustment Travel: 0 millimeters

Seat Back Adjustment Position: N/A

ADJUSTABLE STEERING COLUMN POSITION: Mechanical Mid Position

WINDOW POSITIONS: Left Front: Closed Left Rear: Closed

Right Front: Removed Right Rear: Removed

Note: Windows will be in closed position on struck side of test vehicle and in open position on opposite side.

AMOUNT OF STODDARD SOLVENT IN FUEL TANK:

64.7 liters (Fuel Tank Usable Capacity)

59.6 liters used for test (92%-94% of Fuel Tank Usable Capacity)

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

Wheelbase = 2710 millimeters

Impact Point is 415 millimeters rearward of front axle centerline

(which is 940 millimeters forward of the wheelbase midpoint)

Actual Impact Point is 408 millimeters rearward of front axle centerline

DATA SHEET 2

TEST VEHICLE SUMMARY OF RESULTS

VEHICLE IDENTIFICATION:

Vehicle Year/Make/Model: 2000 Honda Accord

Body Style: 4-Door Sedan

VIN: 1HGCG6686YA006143

NHTSA No.: MY5301

Test Date: September 22, 1999

Overall Length = 4782 millimeters; Overall Width = 1780 millimeters

VEHICLE TEST WEIGHT (Pre-Test):

Left Front = 484.0 kg Left Rear = 357.0 kg

Right Front = 444.5 kg Right Rear = 333.0 kg

TOTAL FRONT = 928.5 kg TOTAL REAR = 690.0 kg

TOTAL VEHICLE WEIGHT 1618.5 kg

Wheelbase = 2710 millimeters

Longitudinal C.G. from Center of Front Axle = 1155.3 millimeters

Impact Angle with Respect to Impactor = 90 degrees

ACTUAL IMPACT POINT

Actual Impact Point is 12 mm forward of nominal impact ref. line (Lateral)

Actual Impact Point is 7 mm below nominal impact point (Vertical)

MAXIMUM EXTERIOR STATIC CRUSH:

1. LEVEL 1 (250 mm above ground) = 143 millimeters

2. LEVEL 2 (485 mm above ground) = 350 millimeters

3. LEVEL 3 (587 mm above ground) = 321 millimeters

4. LEVEL 4 (809 mm above ground) = 306 millimeters

5. LEVEL 5 (1350 mm above ground) = 56 millimeters

Maximum Post-Test Intrusion = 350 millimeters

OCCUPANTS:

Front Passenger:

Rear Passenger:

Dummy Identification 015 268

Restraints Used Seatbelt/Airbag Seatbelt

INSTRUMENTATION:

Number of Vehicle Data Channels: = 42

Number of Cameras: Onboard = 3

Offboard = 7

TOTAL = 10

DATA SHEET 3

MOVING DEFORMABLE BARRIER (MDB) SUMMARY

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

MDB FACE MANUFACTURER AND SERIAL NUMBER:

Plascore, Inc. 004B0799-3 062A0699 1668

POSITION OF IMPACT (MDB) ON MONORAIL:

Crabbed 27° to left

MDB DETAILS:

Overall Width of Framework Carriage	=	<u>1250</u>	millimeters
Overall Length of MDB (incl. honeycomb impact face)	=	<u>4120</u>	millimeters
Wheelbase of Framework Carriage	=	<u>2590</u>	millimeters
Tread of Framework Carriage (Front & Rear)	=	<u>1875</u>	millimeters
C.G. Location Rearward of Front Axle	=	<u>1104</u>	millimeters

MDB WEIGHT:

Left Front	=	<u>409.5</u>	kg	Left Rear	=	<u>281.5</u>	kg
Right Front	=	<u>372.5</u>	kg	Right Rear	=	<u>299.0</u>	kg
TOTAL FRONT =		<u>782.0</u>	kg	TOTAL REAR =		<u>580.5</u>	kg
TOTAL MDB WEIGHT =		<u>1362.5</u>	kg				
Impact Angle (MDB C/L to Target Vehicle C/L)	=	<u>90</u>	degrees				
Impact Speed	=	<u>61.6</u>	kph				

MAXIMUM STATIC CRUSH OF HONEYCOMB IMPACT FACE:

1. Row A at Center of Bumper Level	=	<u>216</u>	millimeters
2. Row B at Top of Bumper Level	=	<u>122</u>	millimeters
3. Row C at Mid Level	=	<u>139</u>	millimeters
4. Row D at Top of Stack Level	=	<u>184</u>	millimeters

INSTRUMENTATION:

Number of MDB Data Channels = 5

DATA SHEET 4

POST-TEST OBSERVATIONS

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

VISIBLE DUMMY CONTACT POINTS:

LEFT FRONT SID

Head: The side of the face and the left shoulder to the B-pillar trim.
 Upper Torso: Airbag
 Lower Torso: Airbag
 Left Knee: Door Trim Panel
 Right Knee: Left Knee

LEFT REAR SID

The side and the top of the head to the c-pillar trim
Door Trim Panel
Door Trim Panel
Door Trim Panel
Left Knee

DOOR OPENING:

LEFT DOOR

Front: Closed/Inoperable
 Rear: Closed/Inoperable

RIGHT DOOR

Closed/Operable
Closed/Operable

MDB DISTANCE FROM TARGET IMPACT POINT:

Vertical: 12 mm below
Horizontal: 7 mm forward

ARM REST LOCATIONS:

Front: The arm rest was pushed inward
 Rear: The arm rest was pushed inward and rotated down

SEAT MOVEMENT:

Front: The front seat was rotated counter-clockwise during the event
 Rear: The rear seat back and seat cushion were pushed inward during the event.

GLAZING DAMAGE:

Windshield: The windshield was cracked along the left A-pillar
 Window: The side glass shattered upon impact

PILLAR PERFORMANCE:

The A and B pillars were pushed inward during the event.

SILL SEPARATION:

There were no visible tears or separation

AIR BAG DEPLOYMENT STATUS:

	DRIVER	FRONT PASSENGER	REAR PASSENGER
FRONT	Yes	Yes	N/A
SIDE	Yes	N/A	N/A

OTHER NOTABLE IMPACT EFFECTS:

None

SECTION 4

OCCUPANT AND VEHICLE INFORMATION

DATA SHEET 5

SID INSTRUMENTATION DATA

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

	Front Dummy ID# 015				Rear Dummy ID# 268			
	Pos. Direction		Neg. Direction		Pos. Direction		Neg. Direction	
	Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)
RIB ACCELERATIONS:								
Upper Rib Lateral . . Y	41.0	45.0	-7.8	71.2	38.8	54.4	-14.3	113.7
Upper Rib Lateral . . Y(R)	43.4	25.0	-8.1	100.6	43.3	54.4	-16.8	113.7
Lower Rib Lateral . . Y	60.1	25.7	-7.5	86.2	43.4	38.8	-15.7	113.7
Lower Rib Lateral . . Y(R)	61.1	25.7	-8.2	86.2	46.3	53.8	-17.9	113.7
SPINE ACCELERATIONS:								
Lower Lateral Y	55.2	31.3	-8.5	56.9	56.9	50.0	-13.2	71.9
Lower Lateral Y(R)	55.3	31.3	-9.0	56.9	55.6	50.0	-13.0	71.9
PELVIC ACCELERATIONS:								
Lateral Y	72.7	28.2	-15.2	55.0	54.4	42.5	-5.0	74.4
Lateral Y(R)	72.0	28.2	-14.6	55.0	63.5	42.5	-5.7	73.7

REFERENCE: Positive Direction - Longitudinal (X) = forward
 Lateral (Y) = to right
 Vertical (Z) = up
 Negative Direction - Longitudinal (X) = rearward
 Lateral (Y) = to left
 Vertical (Z) = down

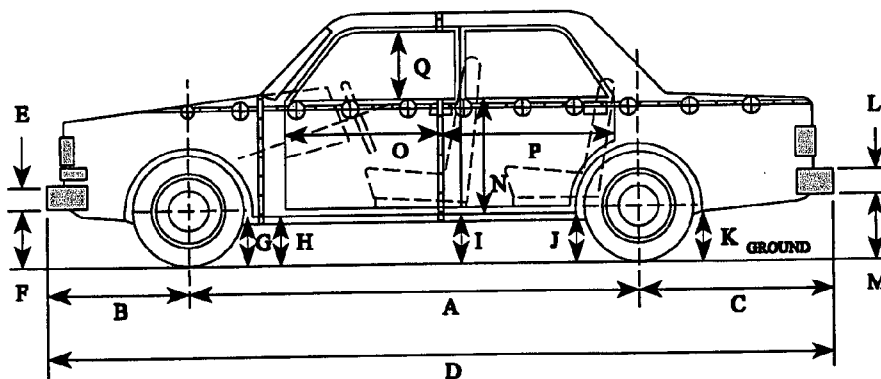
Note: Above data has been FIR filtered, Y(R) denotes redundant Y direction accelerometer.

DATA SHEET 6

VEHICLE SIDE MEASUREMENTS

Vehicle: 2000 Honda Accord

NHTSA No. MY5301



LEFT SIDE VIEW

NOTE: all dimensions are in millimeters with tolerance of ± 3 mm

	PRE-TEST (as delivered)	PRE-TEST (as tested)	POST-TEST (as tested)	Δ CHANGE
A	2710	-	2674	-36
B	971	-	971	0
C	1101	-	1125	24
D	4782	-	4770	-12
E	120	-	120	0
F	247	239	265	26
G	215	192	225	33
H	221	195	250	55
I	242	190	297	107
J1	189	152	182	30
J2	225	187	235	48
K	290	237	254	17
L	225	-	225	0
M	399	355	364	9
N	665	-	579	-86
O	1115	-	1081	-34
P	1025	-	910	-115
Q	494	-	466	-28
R	4662	-	4667	5
S	4662	-	4636	-26
T	1780	-	1625	-155

D = Length at Centerline
T = Width at B-Pillar

E&L = Bumper Thickness
J1 = To Pinch Weld

R = Right Side Length
J2 = To Sill

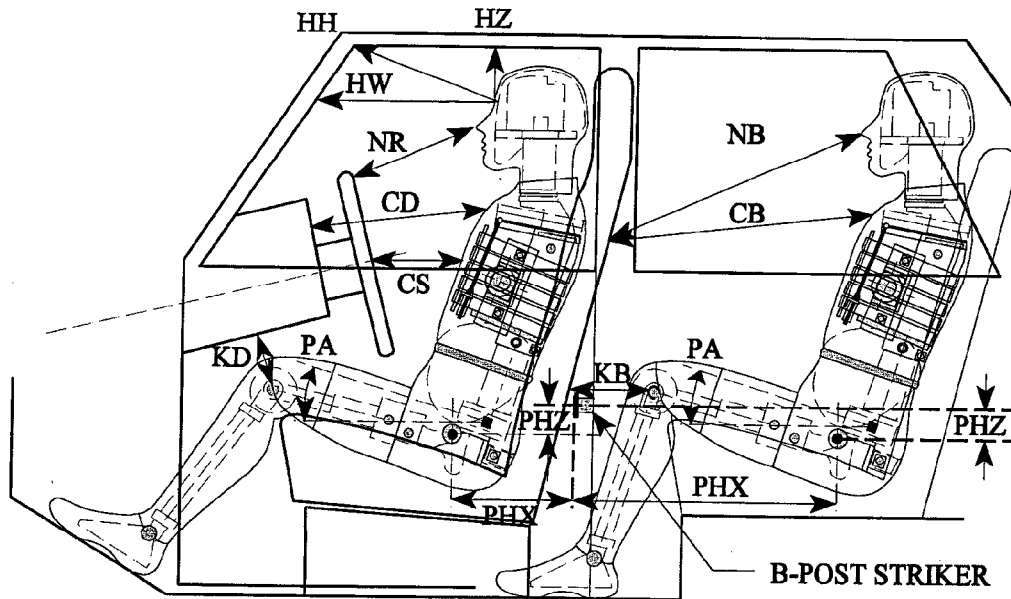
S = Left Side Length

DATA SHEET 7

SID LONGITUDINAL CLEARANCE DIMENSIONS

Vehicle: 2000 Honda Accord

NHTSA No. MY5301



LEFT SIDE VIEW

NOTE: 2-DOOR VEHICLE SHOWN.
REAR DUMMY PHX & PHZ
MEASUREMENTS FOR A 4-DOOR
VEHICLE WOULD USE THE C-POST
STRIKER AS A REFERENCE POINT

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

	DRIVER ID# <u>015</u>	LEFT REAR PASS. ID# <u>268</u>
HH	395	N/A
HW	624	N/A
HZ	165	143
NR/NB	467	665
CD/CB	538	570
CS	293	N/A
KDL(KDA°)/KBL(KDA°)	158 / (37°)	228 / (12°)
KDR(KBA°)/KBR(KBA°)	134 / (37°)	226 / (12°)
PA°	24.0 °	23.5 °
PHX	201	280
PHZ	137	276

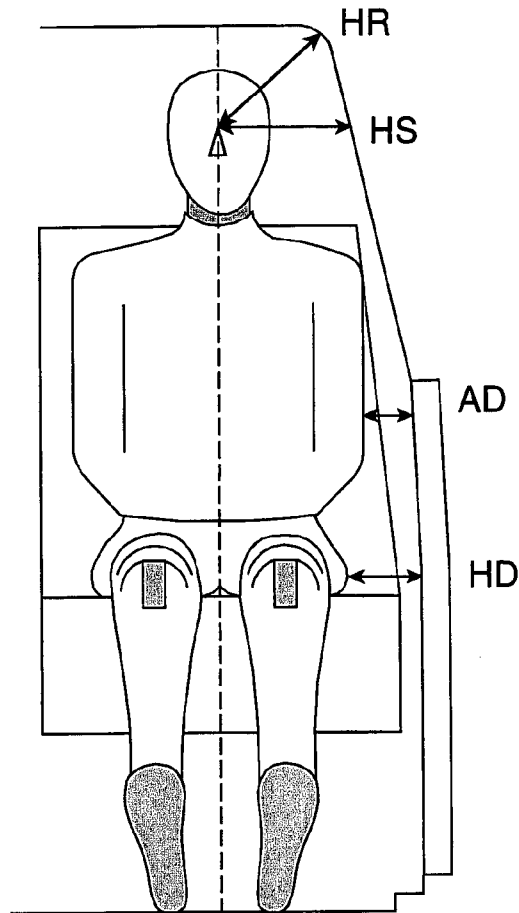
Note: 2-door vehicle shown. Rear dummy PHX & PHZ measurements for 4-door vehicle would use the C-post striker as a reference point.

DATA SHEET 8

SID LATERAL CLEARANCE DIMENSIONS

Vehicle: 2000 Honda Accord

NHTSA No. MY5301



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

	DRIVER ID # <u>015</u>		LEFT REAR PASS. ID # <u>268</u>	
HR	210		177	
HS	304		206 (Side Trim)	
AD*	LOWER: 115	UPPER: 133	LOWER: 108	UPPER: 101
HD	142		168	

* Lower measurement is taken laterally at the center of the lower rib accelerometer height from the SID arm segment to the closest part of the vehicle side.

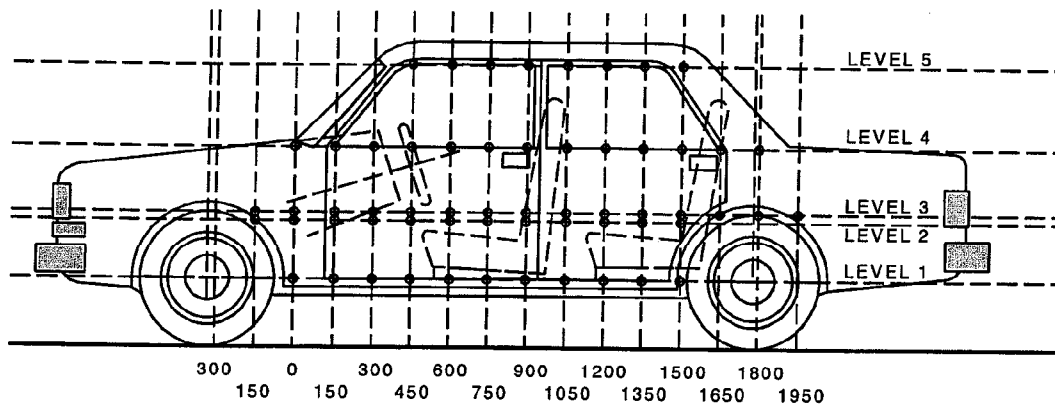
Upper measurement is taken laterally at the center of the upper rib accelerometer height from the SID arm segment to the closest part of the vehicle side.

DATA SHEET 9

VEHICLE SIDE MEASUREMENTS

Vehicle: 2000 Honda Accord

NHTSA No. MY5301



LEFT SIDE VIEW

NOTE: All measurements are in millimeters (mm)

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

MEASUREMENTS ARE TAKEN WHEN THE VEHICLE IS IN THE "AS TESTED" CONFIGURATION.
Measurements Along the Vertical 750 mm Line Shown Above:

Level 5 @ Window Top	=	<u>1350</u>	millimeters
Level 4 @ Window Sill	=	<u>809</u>	millimeters
Level 3 @ Mid Door	=	<u>587</u>	millimeters
Level 2 @ Occupant H-Point	=	<u>485</u>	millimeters
Level 1 @ Axle Centerline Height (or Sill Top Height)	=	<u>250</u>	millimeters

DATA SHEET 10

VEHICLE EXTERIOR CRUSH PROFILES - ALL LEVELS

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

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

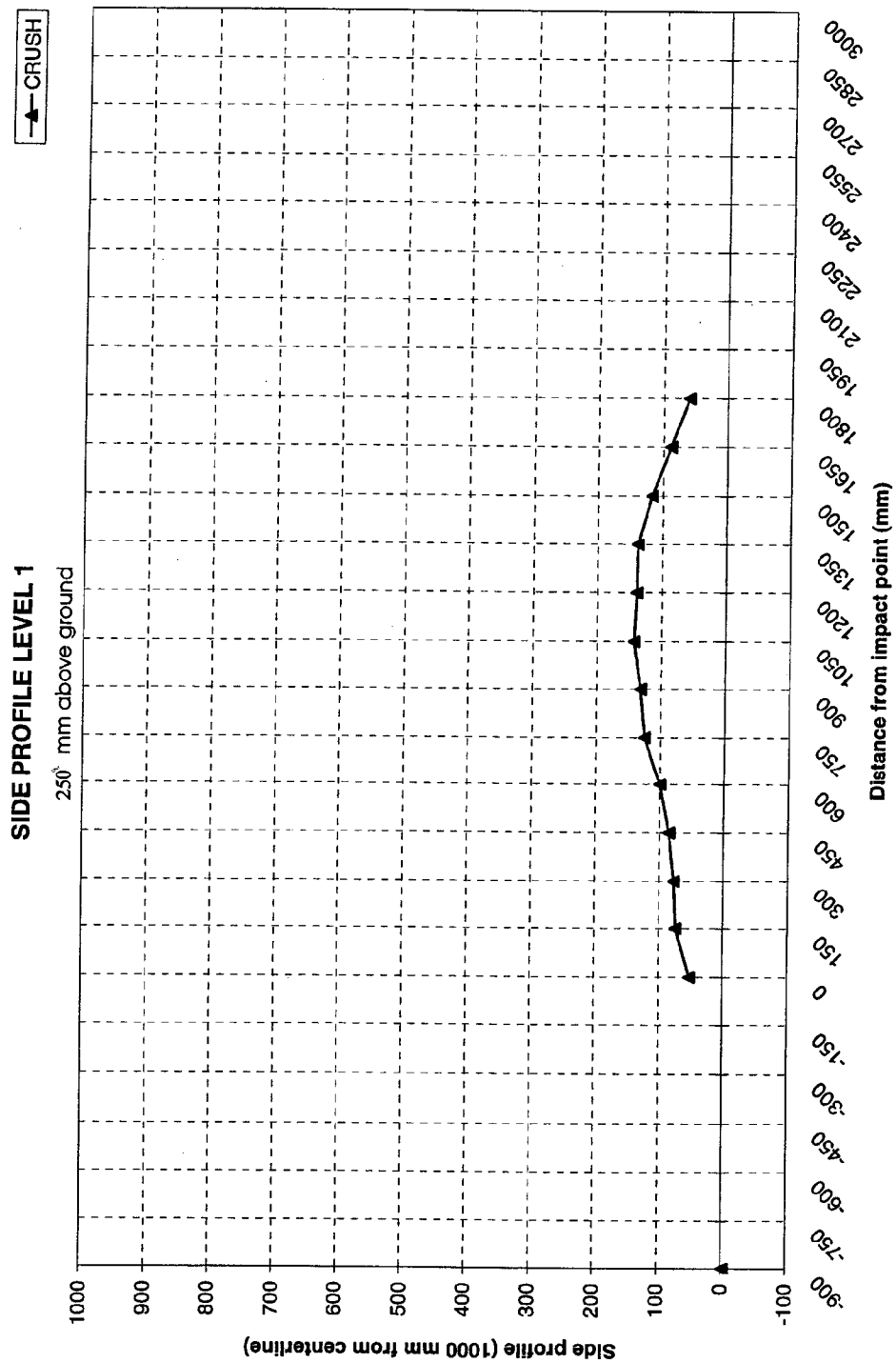
NOTES: ALL DIMENSIONS ARE IN MILLIMETERS WITH A TOLERANCE OF ±0.5MM																													
		DISTANCE IN MILLIMETERS (mm) FROM IMPACT POINT																											
LEVEL	HEIGHT (mm)	-900	-750	-600	-450	-300	-150	0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	
LEVEL 1 SIDE SILL	250	PRE	182	--	--	--	--	165	174	183	183	180	172	180	181	187	188	185	181	174	--	--	--	--	--	--	--	--	
		POST	180	--	--	--	--	217	248	260	268	280	297	312	324	326	326	302	269	234	--	--	--	--	--	--	--	--	
		CRUSH	-2	N/A	N/A	N/A	N/A	52	74	77	85	100	125	132	143	139	138	117	88	60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
LEVEL 2 H POINT	485	PRE	165	131	--	--	--	124	126	141	120	121	120	123	119	131	126	124	126	116	127	--	--	--	--	148	163	173	
		POST	151	124	--	--	--	152	377	404	430	443	456	461	469	477	471	449	398	331	206	--	--	--	--	179	184	191	
		CRUSH	-14	-7	N/A	N/A	N/A	28	251	263	310	322	336	338	350	346	345	325	272	215	79	N/A	N/A	N/A	N/A	31	21	18	
LEVEL 3 MID DOOR	587	PRE	180	139	--	--	--	115	118	122	120	121	123	123	125	128	125	128	131	124	129	--	--	--	132	154	170	185	
		POST	171	135	--	--	--	134	338	382	422	411	418	420	424	442	446	447	436	374	251	--	--	--	161	180	190	204	
		CRUSH	-9	-4	N/A	N/A	N/A	19	216	262	302	290	295	297	299	314	321	319	305	250	122	N/A	N/A	N/A	29	26	20	19	
LEVEL 4 WINDOW SILL	809	PRE	--	287	239	210	192	179	165	161	159	154	151	149	147	147	150	152	153	152	153	155	159	165	172	182	196	215	
		POST	--	285	236	211	191	187	190	249	306	360	393	413	422	429	438	453	458	452	390	293	203	200	193	194	198	210	226
		CRUSH	N/A	-2	-3	1	-1	8	17	84	145	201	239	262	273	282	291	303	306	299	238	140	48	41	28	22	16	14	11
LEVEL 5 WINDOW TOP	1350	PRE	--	--	--	--	--	--	--	--	--	--	495	459	443	445	443	444	446	453	473	--	--	--	--	--	--	--	
		POST	--	--	--	--	--	--	--	--	--	--	498	472	480	501	491	482	478	474	483	--	--	--	--	--	--	--	--
		CRUSH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3	13	37	56	48	38	32	21	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DATA SHEET 10 (continued)

VEHICLE EXTERIOR CRUSH PROFILES

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

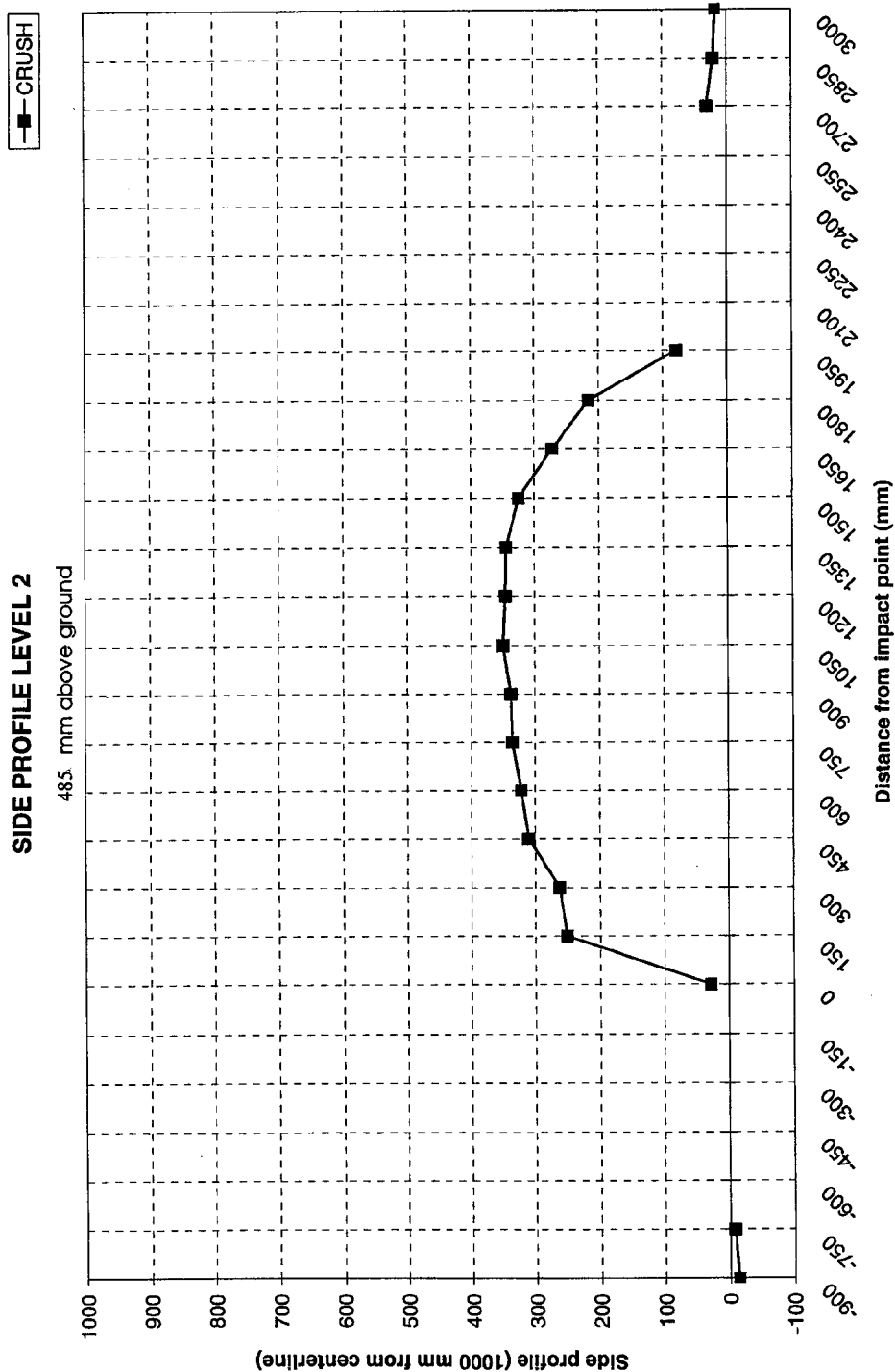


DATA SHEET 10 (continued)

VEHICLE EXTERIOR CRUSH PROFILES

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

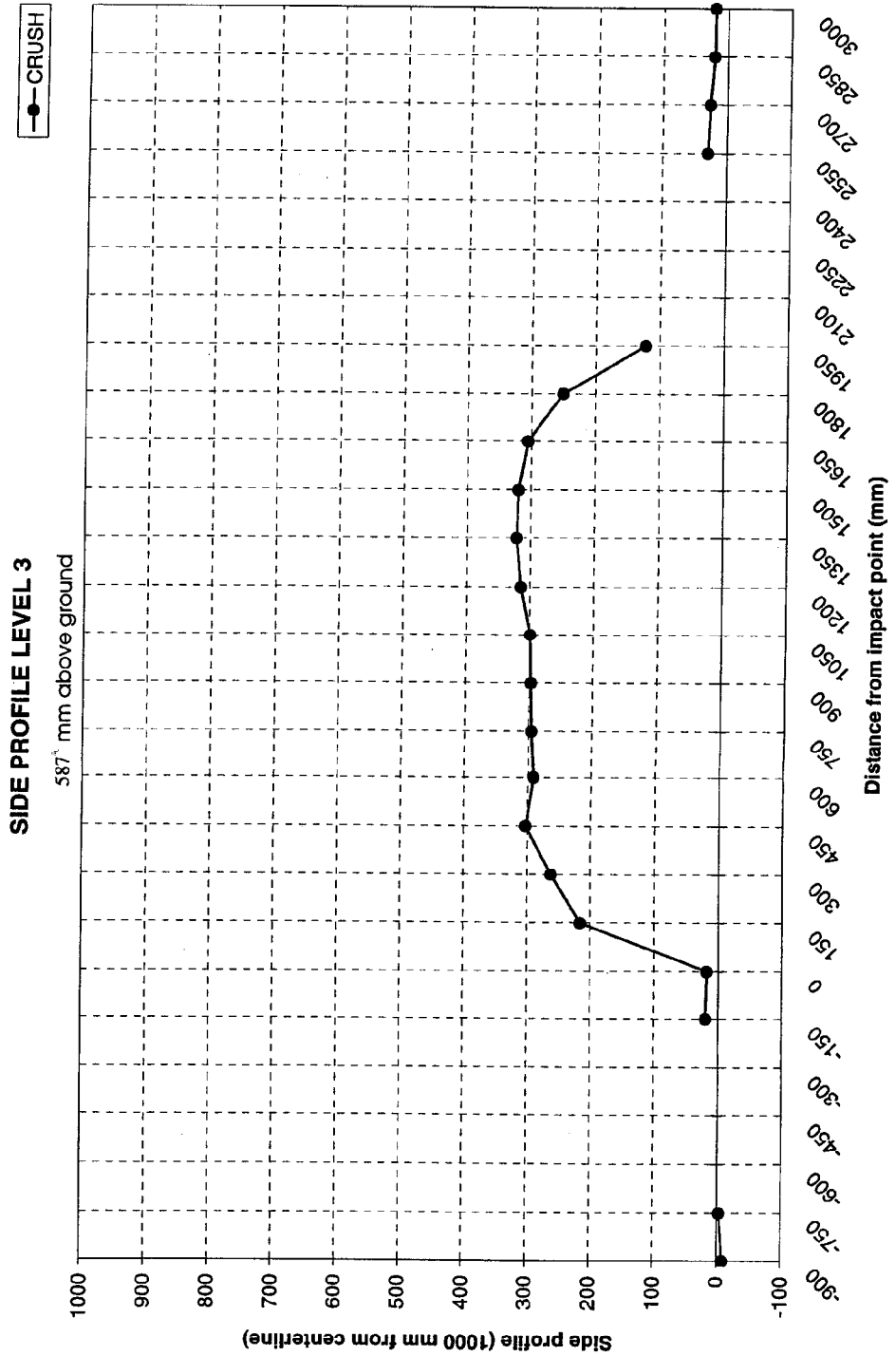


DATA SHEET 10 (continued)

VEHICLE EXTERIOR CRUSH PROFILES

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

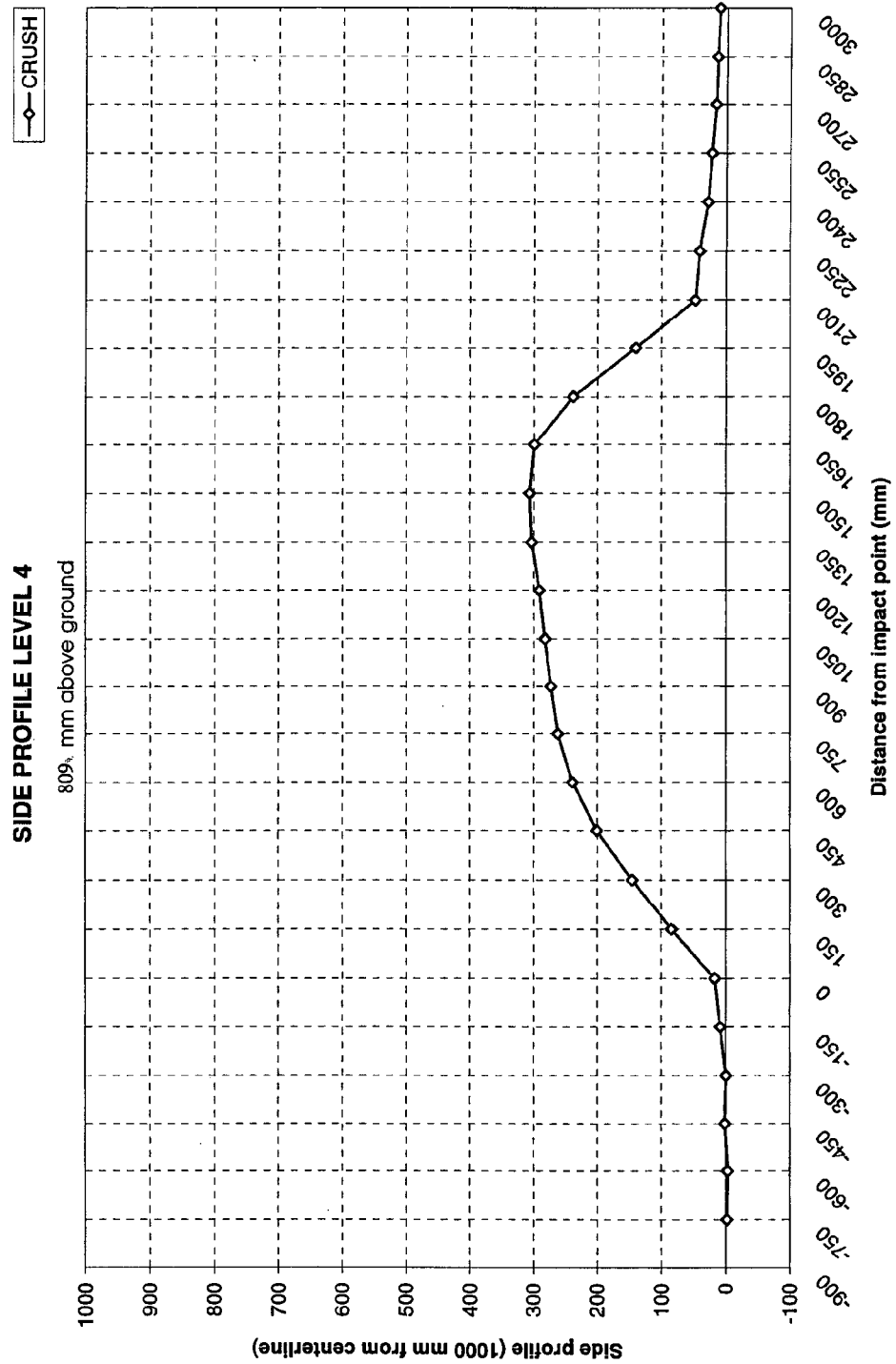


DATA SHEET 10 (continued)

VEHICLE EXTERIOR CRUSH PROFILES

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

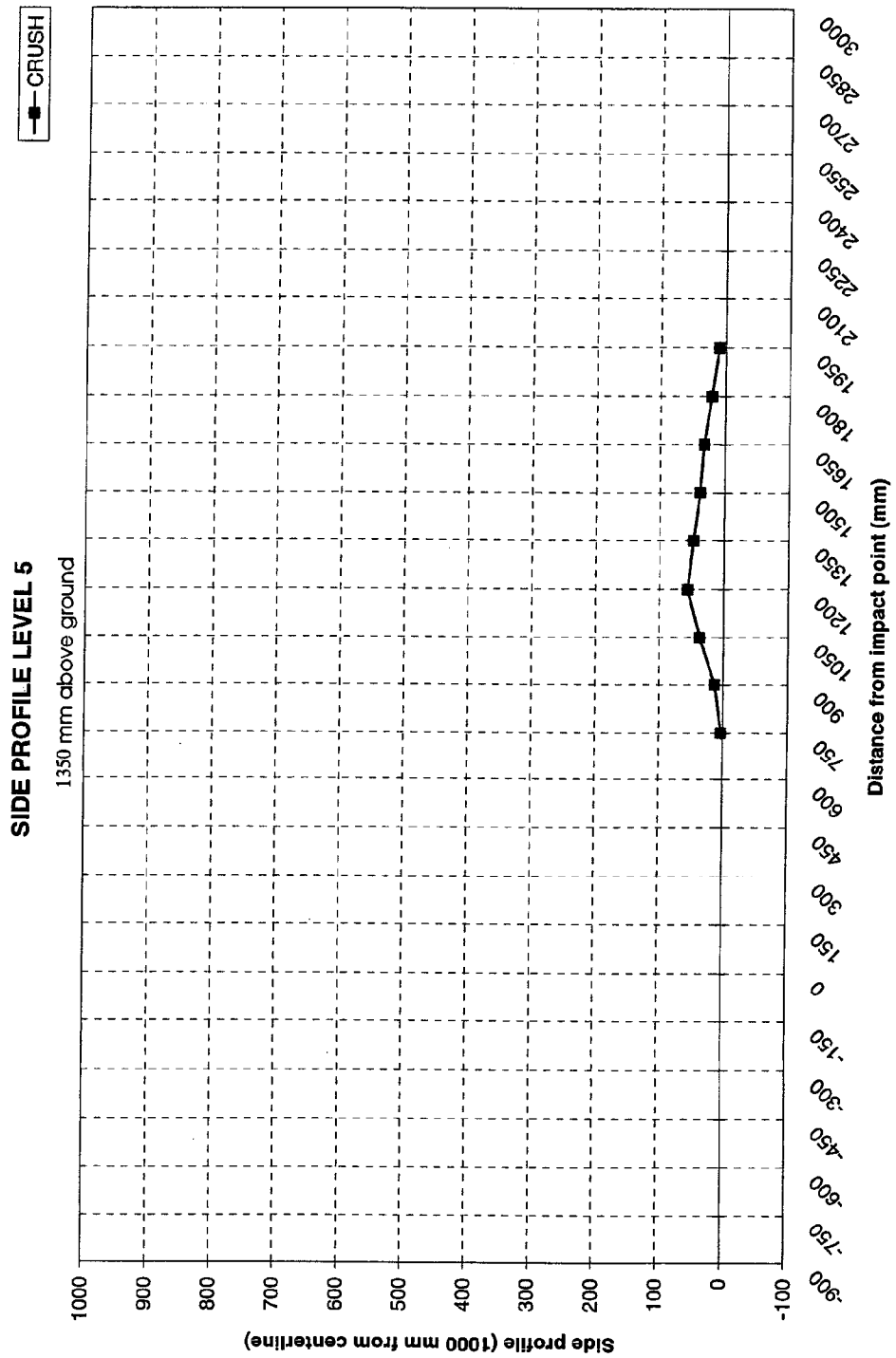


DATA SHEET 10 (continued)

VEHICLE EXTERIOR CRUSH PROFILES

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

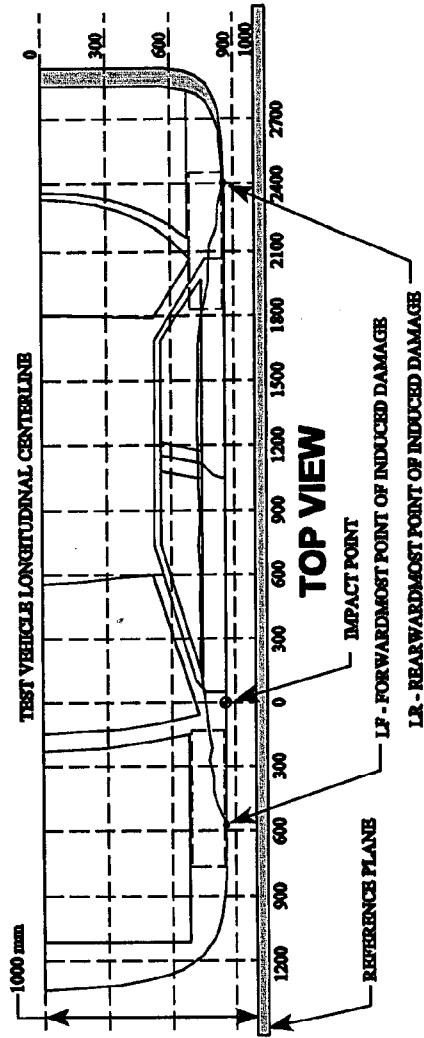


DATA SHEET 11

VEHICLE DAMAGE PROFILE DISTANCES

NHTSA No. MY5301

Vehicle: 2000 Honda Accord



MEASUREMENT CONVENTIONS:
Forward of the impact point (towards front of vehicle) is considered negative (-).
Rearward of the impact point (toward rear of vehicle) is considered positive (+).

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

DPD MEASUREMENTS		POST TEST (mm)	PRETEST (mm)	STATIC CRUSH (mm)
1	(LF = 150 mm)	134	115	19
2	300	404	141	263
3	750	456	120	336
4	1200	477	131	346
5	1650	436	131	305
6	(LR = 2100 mm)	203	155	48

DATA SHEET 12

EXTERIOR STATIC CRUSH FOR IMPACTOR FACE (Grid as looking at MDB from front)

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

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

		DISTANCE RIGHT OF CENTER (mm)								DISTANCE LEFT OF CENTER (mm)									
LEVEL	HEIGHT AT CL (mm)*	800	700	600	500	400	300	200	100	0	100	200	300	400	500	600	700	800	
LEVEL 4	813		619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	
		PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	
		POST	691	630	613	611	620	635	631	634	640	644	649	651	673	714	757	803	
STACK	CRUSH	72	11	-6	-8	1	16	12	15	21	25	30	32	54	95	138	184		
			619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	
		POST	690	633	623	622	634	650	645	639	632	630	634	641	652	673	713	758	
LEVEL 3	686		71	14	4	3	15	31	26	20	13	11	15	22	33	54	94	139	
		PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	
		POST	690	633	623	622	634	650	645	639	632	630	634	641	652	673	713	758	
LEVEL 2	533		619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	
		PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	
		POST	741	713	683	667	662	663	665	668	674	676	681	685	686	690	699	711	724
BUMPER	CRUSH	122	94	64	48	43	44	46	49	55	57	62	66	67	71	80	92	105	
			535	519	518	518	518	518	518	518	518	518	518	518	518	518	518	519	535
		POST	751	696	657	629	617	627	622	625	628	628	634	638	641	645	654	665	687
LEVEL 1	432		216	177	139	111	99	109	104	107	110	116	120	123	127	136	146	152	
		PRE	216	177	139	111	99	109	104	107	110	116	120	123	127	136	146	152	
		POST	216	177	139	111	99	109	104	107	110	116	120	123	127	136	146	152	
BUMPER	CRUSH	216	177	139	111	99	109	104	107	110	116	120	123	127	136	146	152		
			216	177	139	111	99	109	104	107	110	116	120	123	127	136	146	152	
		POST	216	177	139	111	99	109	104	107	110	116	120	123	127	136	146	152	

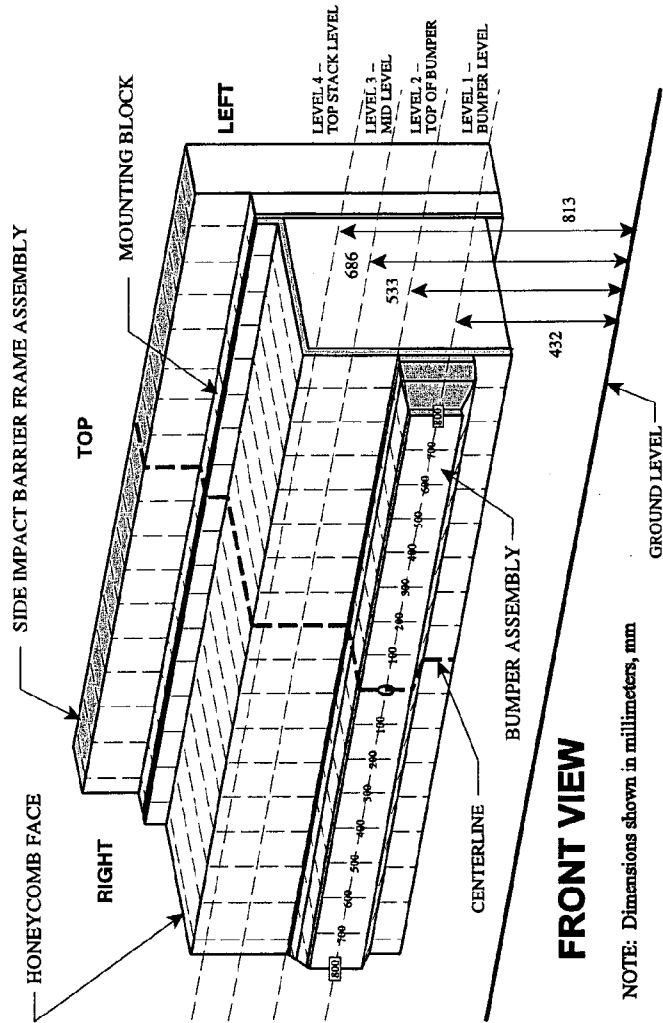
*Heights measured above ground level.

DATA SHEET 12 (continued)

EXTERIOR STATIC CRUSH FOR IMPACTOR FACE

Vehicle: 2000 Honda Accord

NHTSA No. MY5301



FRONT VIEW

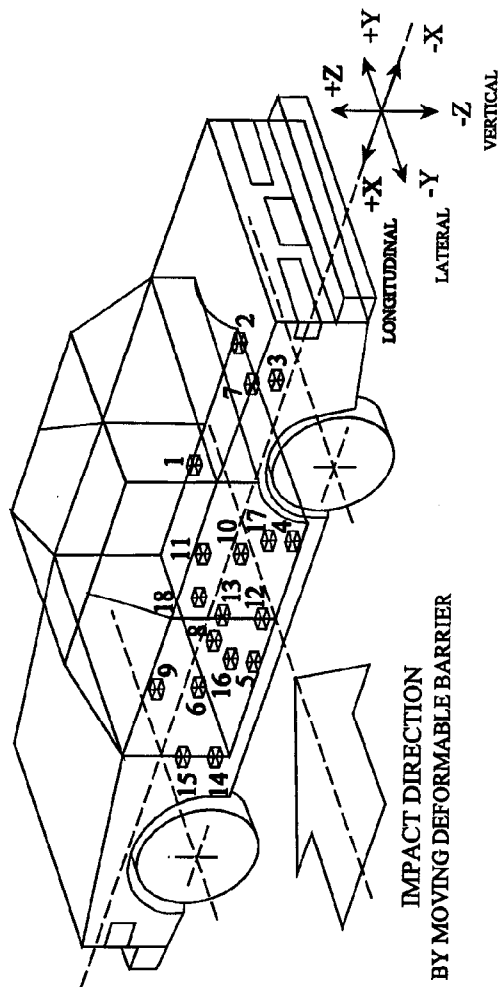
NOTE: Dimensions shown in millimeters, mm

DATA SHEET 13

TEST VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2000 Honda Accord

NHTSA No. MY5301



- | | |
|------------------------------------|------------------------------------|
| 1-Right Side Sill @ Front Seat | 10-Midrear of Left Rear Door |
| 2-Right Side Sill @ Rear Seat | 11-Left Rear Door Upper Centerline |
| 3-Rear Floorpan Above Axle | 12-Left Lower B-Pillar |
| 4-Left Side Sill @ Rear Seat | 13-Left Middle B-Pillar |
| 5-Left Side Sill @ Front Seat | 14-Left Lower A-Pillar |
| 6-Left Front Door on Centerline | 15-Left Middle A-Pillar |
| 7-Right Rear Occupant Compartment | 16-Front Seat Track |
| 8-Midrear of Left Front Door | 17-Rear Seat Track |
| 9-Left Front Door Upper Centerline | 18-Vehicle CG |

DATA SHEET 13 (continued)

VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

Accel. No.	Location	Coordinates (mm)±3			Long. (x)		Lat. (y)		Vert. (z)		Resultant	
		X*	Y*	Z*	Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)
1	Right Side Sill at Front Seat	3118	726	311	pos.	4.7	61.8	22.2	6.6	5.9	22.5	15.3
					neg.	-3.8	10.6	-2.9	130.3	-4.2	0.0	63.7
2	Right Side Sill at Rear Seat	2044	726	329	pos.	5.0	61.9	23.6	7.9	8.6	23.9	19.4
					neg.	-4.4	12.7	-2.0	139.0	-5.1	0.0	41.2
3	Rear Floorpan Above Axle	1091	92	492	pos.	8.2	6.7	21.8	30.5	33.5	38.3	10.9
					neg.	-12.8	18.8	-2.2	499.9	-31.8	0.0	15.1
4	Left Side Sill at Rear Seat	2044	-726	306	pos.	-	-	66.1	5.4	-	-	-
					neg.	-	-	-17.9	14.9	-	-	-
5	Left Side Sill at Front Seat	3118	-726	323	pos.	-	-	65.4	9.6	-	-	-
					neg.	-	-	-35.1	14.3	-	-	-
6	Left Front Door on Centerline	2938	-735	563	pos.	-	-	92.0	13.8	-	-	-
					neg.	-	-	-53.7	18.5	-	-	-
7	Right Rear Occupant Compartment	1972	336	218	pos.	-	-	25.8	7.8	-	-	-
					neg.	-	-	-1.8	139.9	-	-	-
8	Midrear of Left Front Door	2456	-728	837	pos.	-	-	94.4	14.9	-	-	-
					neg.	-	-	-69.7	24.6	-	-	-
9	Left Front Door Upper Centerline	2804	-731	843	pos.	-	-	150.2	16.6	-	-	-
					neg.	-	-	-127.0	24.1	-	-	-
10	Midrear of Left Rear Door	1356	-724	771	pos.	-	-	76.6	49.6	-	-	-
					neg.	-	-	-91.6	54.2	-	-	-
11	Left Rear Door Upper Centerline	1726	-731	870	pos.	-	-	148.3	14.5	-	-	-
					neg.	-	-	-53.2	27.2	-	-	-

Y - Vehicle Centerline (+ To Right) Z - Ground Level (+ Up)

*Reference: X - Rear Bumper (+ Forward)

**Accelerometer was not requested by COTR.

DATA SHEET 13 (continued)

VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

Accel. No.	Location	Coordinates (mm)±3			Max (g)		Time (msec)		Lat. (y)		Vert. (z)		Resultant	
		X*	Y*	Z*										
12	Left Lower B-Pillar	2190	-695	517	pos.	-	-	-	209.9	6.8	-	-	-	-
					neg.	-	-	-	-17.3	15.1	-	-	-	-
13	Left Middle B-Pillar	2190	-664	1038	pos.	-	-	-	82.0	22.0	-	-	-	-
					neg.	-	-	-	-81.2	94.3	-	-	-	-
14	Left Lower A-Pillar	3391	-726	428	pos.	-	-	-	A	A	-	-	-	-
					neg.	-	-	-	A	A	-	-	-	-
15	Left Middle A-Pillar	3698	-720	838	pos.	-	-	-	15.8	54.4	-	-	-	-
					neg.	-	-	-	-1.4	284.9	-	-	-	-
16	Front Seat Track	2354	-599	300	pos.	-	-	-	82.1	47.2	-	-	-	-
					neg.	-	-	-	-18.9	209.4	-	-	-	-
17	Rear Seat Track	1385	-593	718	pos.	-	-	-	25.2	8.6	-	-	-	-
					neg.	-	-	-	-1.1	87.9	-	-	-	-
18	Vehicle CG	3611	41	418	pos.	18.1	30.4	66.8	23.2	13.7	68.4	23.1		
					neg.	-21.5	26.3	-57.9	27.8	19.6	0.0	-16.1		

*Reference: X - Rear Bumper (+ Forward)

Y - Vehicle Centerline (+ To Right)

Z - Ground Level (+ Up)

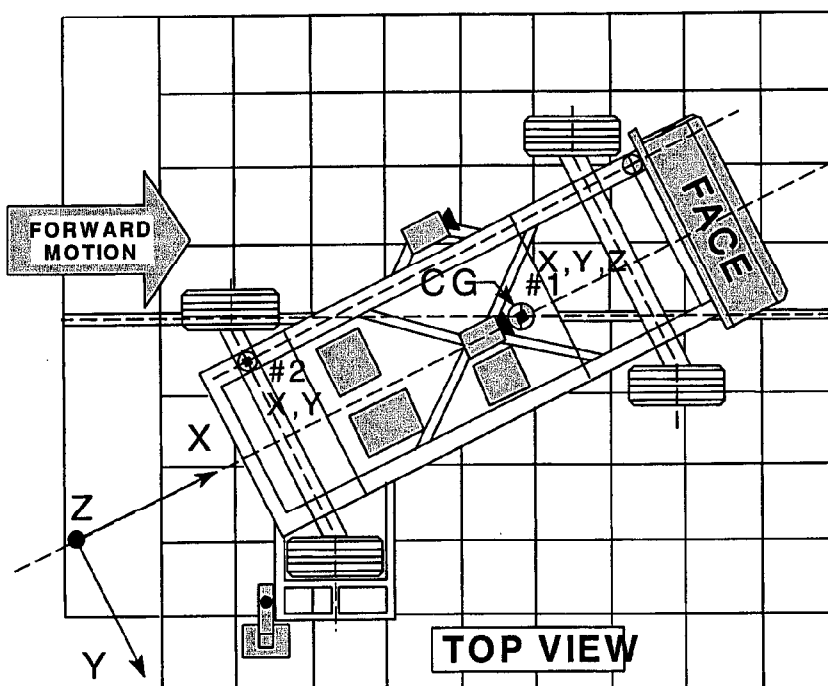
A - Cut wire at 28 ms.

DATA SHEET 14

MDB ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2000 Honda Accord

NHTSA No. MY5301



Accel. No.	Location	Coordinates (millimeters)			Pos. Direct.		Neg. Direct.	
		X*	Y*	Z*	Max (g)	Time (msec)	Max (g)	Time (msec)
1	MDB Center of Gravity							
	Longitudinal... X	1859	0	330	1.3	-100.0	-20.9	41.1
	Lateral..... Y				2.0	63.9	-8.1	42.3
	Vertical..... Z				17.0	38.4	-16.6	70.6
	Resultant..... R				26.1	38.6	0.1	279.1
2	Rear Frame Member							
	Longitudinal... X	386	-660	660	1.8	147.1	-22.1	42.1
	Lateral..... Y				4.5	25.3	-3.2	-100.0

*Reference: X = Rear Bumper (+ Forward)
Y = Vehicle Centerline (+ To Right)
Z = Ground Level (+ Up)
All measurements accurate to within ± 3 mm.

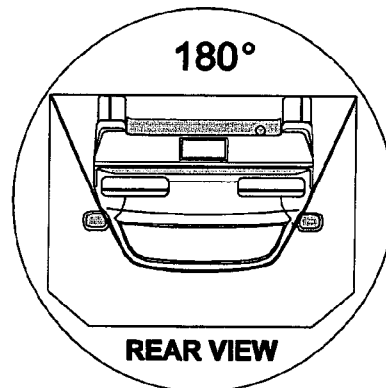
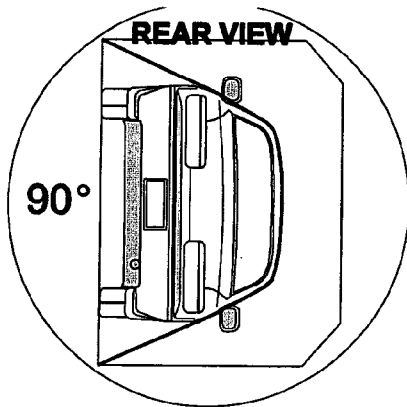
DATA SHEET 17 (continued)

ROLLOVER DATA

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

90 - 180 Degrees



I. DETERMINATION OF SOLVENT COLLECTION TIME PERIOD :

Rollover Fixture 90° Rotation Time	<u>1</u> minutes <u>09</u> seconds
(Spec. Range = 1 to 3 minutes)	
FMVSS 301 Position Hold Time +	<u>5</u> minutes <u>0</u> seconds
TOTAL	<u>6</u> minutes <u>9</u> seconds
Next whole minute interval	<u>7</u> minutes

II. FMVSS 301 REQUIREMENTS :

(1) Time Period

First 5 minutes FROM onset of rotation	6th min.	7th min.	8th min. (if required)
--	----------	----------	------------------------

(2) Maximum Allowable Solvent Spillage

142 g	28 g	28 g	28 g
-------	------	------	------

III. ACTUAL TEST VEHICLE SOLVENT SPILLAGE:

0 g	0 g	0 g	N/A
-----	-----	-----	-----

Note: Record spillage for whole minute intervals only as determined above.

IV. SOLVENT SPILLAGE LOCATION(S) :

None

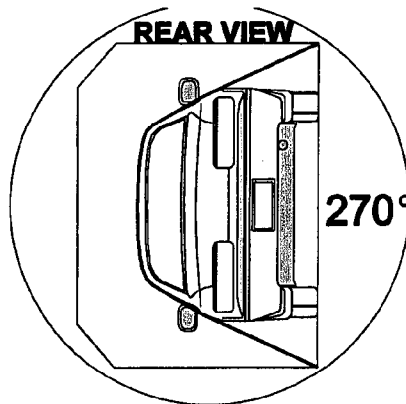
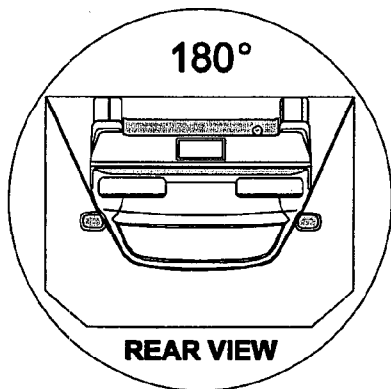
DATA SHEET 17 (continued)

ROLLOVER DATA

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

180 - 270 Degrees



I. DETERMINATION OF SOLVENT COLLECTION TIME PERIOD :

Rollover Fixture 90° Rotation Time	<u>1</u> minutes <u>01</u> seconds
(Spec. Range = 1 to 3 minutes)	
FMVSS 301 Position Hold Time +	<u>5</u> minutes <u>0</u> seconds
TOTAL	<u>6</u> minutes <u>1</u> seconds
Next whole minute interval	<u>7</u> minutes

II. FMVSS 301 REQUIREMENTS :

(1) Time Period

First 5 minutes FROM onset of rotation	6th min.	7th min.	8th min. (if required)
--	----------	----------	------------------------

(2) Maximum Allowable Solvent Spillage

142 g	28 g	28 g	28 g
-------	------	------	------

III. ACTUAL TEST VEHICLE SOLVENT SPILLAGE:

0 g	0 g	0 g	N/A
-----	-----	-----	-----

Note: Record spillage for whole minute intervals only as determined above.

IV. SOLVENT SPILLAGE LOCATION(S) :

None

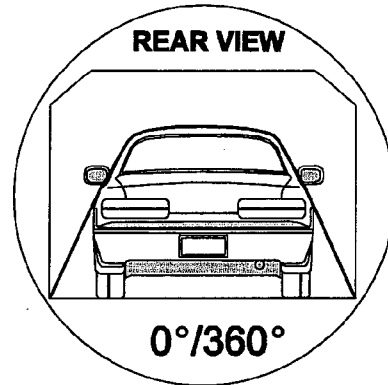
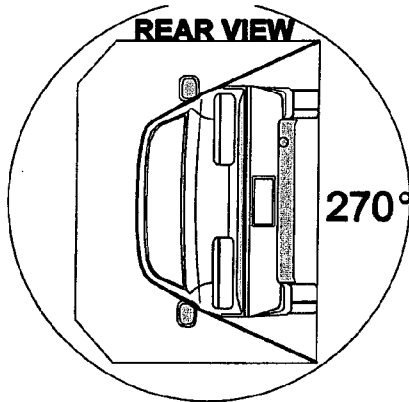
DATA SHEET 17 (continued)

ROLLOVER DATA

Vehicle: 2000 Honda Accord

NHTSA No. MY5301

270 - 360 Degrees



I. DETERMINATION OF SOLVENT COLLECTION TIME PERIOD :

Rollover Fixture 90° Rotation Time	<u>1</u> minutes <u>09</u> seconds
(Spec. Range = 1 to 3 minutes)	
FMVSS 301 Position Hold Time +	<u>5</u> minutes <u>0</u> seconds
TOTAL	<u>6</u> minutes <u>9</u> seconds
Next whole minute interval	<u>7</u> minutes

II. FMVSS 301 REQUIREMENTS :

(1) Time Period

First 5 minutes FROM onset of rotation	6th min.	7th min.	8th min. (if required)
--	----------	----------	------------------------

(2) Maximum Allowable Solvent Spillage

142 g	28 g	28 g	28 g
-------	------	------	------

III. ACTUAL TEST VEHICLE SOLVENT SPILLAGE:

0 g	0 g	0 g	N/A
-----	-----	-----	-----

Note: Record spillage for whole minute intervals only as determined above.

IV. SOLVENT SPILLAGE LOCATION(S) :

None

APPENDIX A

PHOTOGRAPHS

TABLE OF PHOTOGRAPHS

<u>Figure</u>	<u>Photograph Title</u>	<u>Page</u>
Figure A- 1	PRE-TEST FRONTAL VIEW OF TEST VEHICLE	A- 3
Figure A- 2	POST-TEST FRONTAL VIEW OF TEST VEHICLE	A- 4
Figure A- 3	PRE-TEST REAR VIEW OF TEST VEHICLE	A- 5
Figure A- 4	POST-TEST REAR VIEW OF TEST VEHICLE	A- 6
Figure A- 5	PRE-TEST IMPACTED SIDE VIEW OF TEST VEHICLE	A- 7
Figure A- 6	POST-TEST IMPACTED SIDE VIEW OF TEST VEHICLE	A- 8
Figure A- 7	PRE-TEST FRONTAL VIEW OF IMPACTOR FACE	A- 9
Figure A- 8	POST-TEST FRONTAL VIEW OF IMPACTOR FACE	A- 10
Figure A- 9	PRE-TEST LEFT SIDE VIEW OF IMPACTOR FACE	A- 11
Figure A- 10	POST-TEST LEFT SIDE VIEW OF IMPACTOR FACE	A- 12
Figure A- 11	PRE-TEST RIGHT SIDE VIEW OF IMPACTOR FACE	A- 13
Figure A- 12	POST-TEST RIGHT SIDE VIEW OF IMPACTOR FACE	A- 14
Figure A- 13	PRE-TEST TOP VIEW OF IMPACTOR FACE	A- 15
Figure A- 14	POST-TEST TOP VIEW OF IMPACTOR FACE	A- 16
Figure A- 15	PRE-TEST OVERHEAD VIEW OF ALIGNED MDB AND VEHICLE	A- 17
Figure A- 16	POST-TEST OVERHEAD VIEW OF MDB AND VEHICLE	A- 18
Figure A- 17	PRE-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF FRONT SID	A- 19
Figure A- 18	POST-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF FRONT SID	A- 20
Figure A- 19	PRE-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF REAR SID	A- 21
Figure A- 20	POST-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF REAR SID	A- 22
Figure A- 21	PRE-TEST LEFT OCCUPANT COMPARTMENT VIEW OF FRONT SID	A- 23
Figure A- 22	POST-TEST LEFT OCCUPANT COMPARTMENT VIEW OF FRONT SID	A- 24
Figure A- 23	PRE-TEST LEFT OCCUPANT COMPARTMENT VIEW OF REAR SID	A- 25
Figure A- 24	POST-TEST LEFT OCCUPANT COMPARTMENT VIEW OF REAR SID	A- 26
Figure A- 25	PRE-TEST INTERIOR OF FRONT DOOR	A- 27
Figure A- 26	POST-TEST INTERIOR OF FRONT DOOR SHOWING SID IMPACT LOCATIONS	A- 28
Figure A- 27	PRE-TEST INTERIOR OF REAR DOOR	A- 29
Figure A- 28	POST-TEST INTERIOR OF REAR DOOR SHOWING SID IMPACT LOCATIONS	A- 30
Figure A- 29	PRE-TEST LEFT SIDE VIEW OF MDB WITH IMPACTOR FACE IN POSITION	A- 31
Figure A- 30	PRE-TEST RIGHT SIDE VIEW OF MDB WITH IMPACTOR FACE IN POSITION	A- 32
Figure A- 31	POST-TEST CLOSE-UP VIEW OF IMPACT POINT TARGET	A- 33
Figure A- 32	CLOSE-UP VIEW OF VEHICLE'S CERTIFICATION LABEL	A- 34
Figure A- 33	CLOSE-UP VIEW OF VEHICLE'S TIRE PLACARD LABEL	A- 35
Figure A- 34	IMPACT PHOTO	A- 36
Figure A- 35	ROLLOVER 90 DEGREES	A- 37
Figure A- 36	ROLLOVER 180 DEGREES	A- 38
Figure A- 37	ROLLOVER 270 DEGREES	A- 39
Figure A- 38	ROLLOVER 360 DEGREES	A- 40

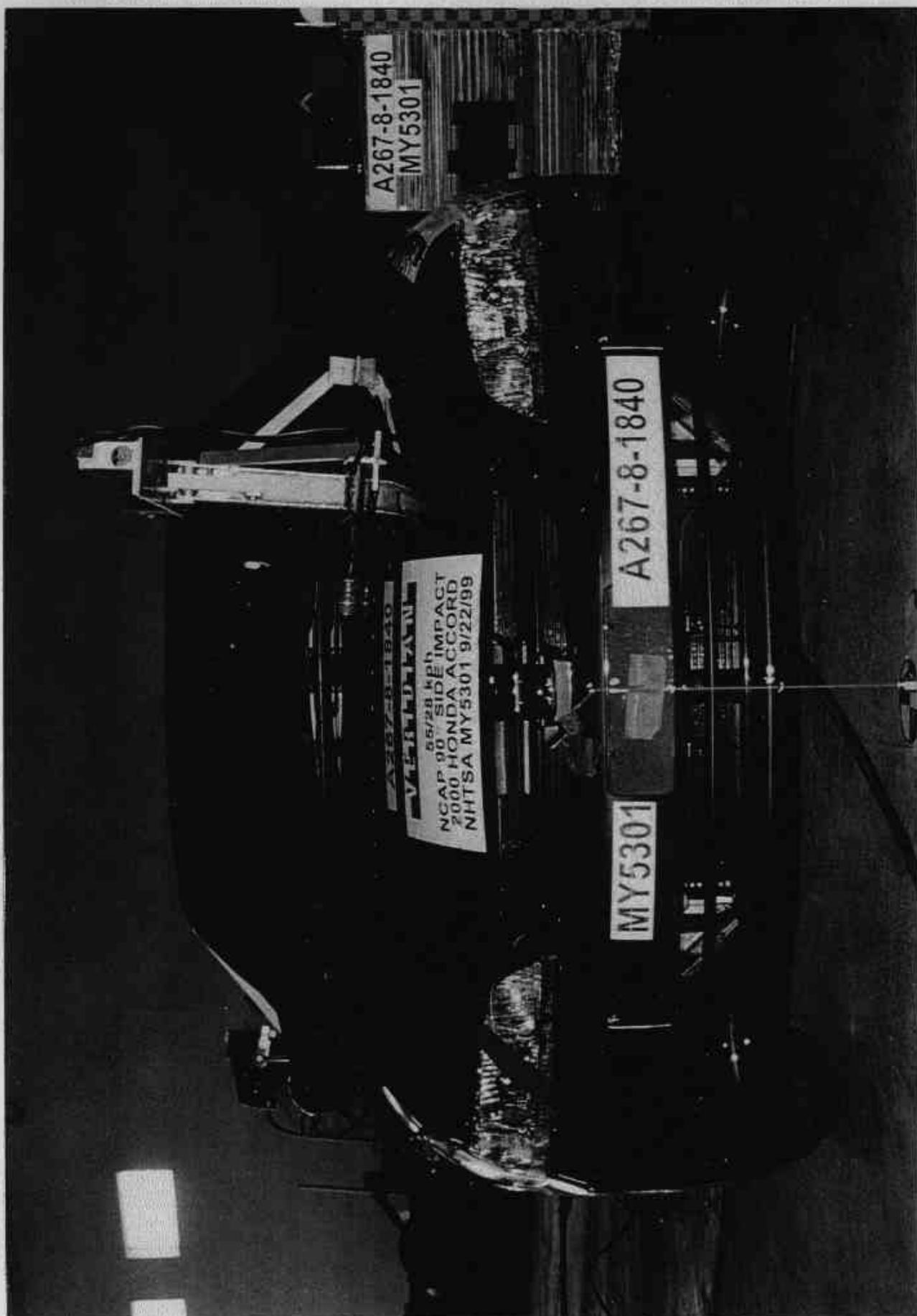


Figure A-1 PRE-TEST FRONTAL VIEW OF TEST VEHICLE

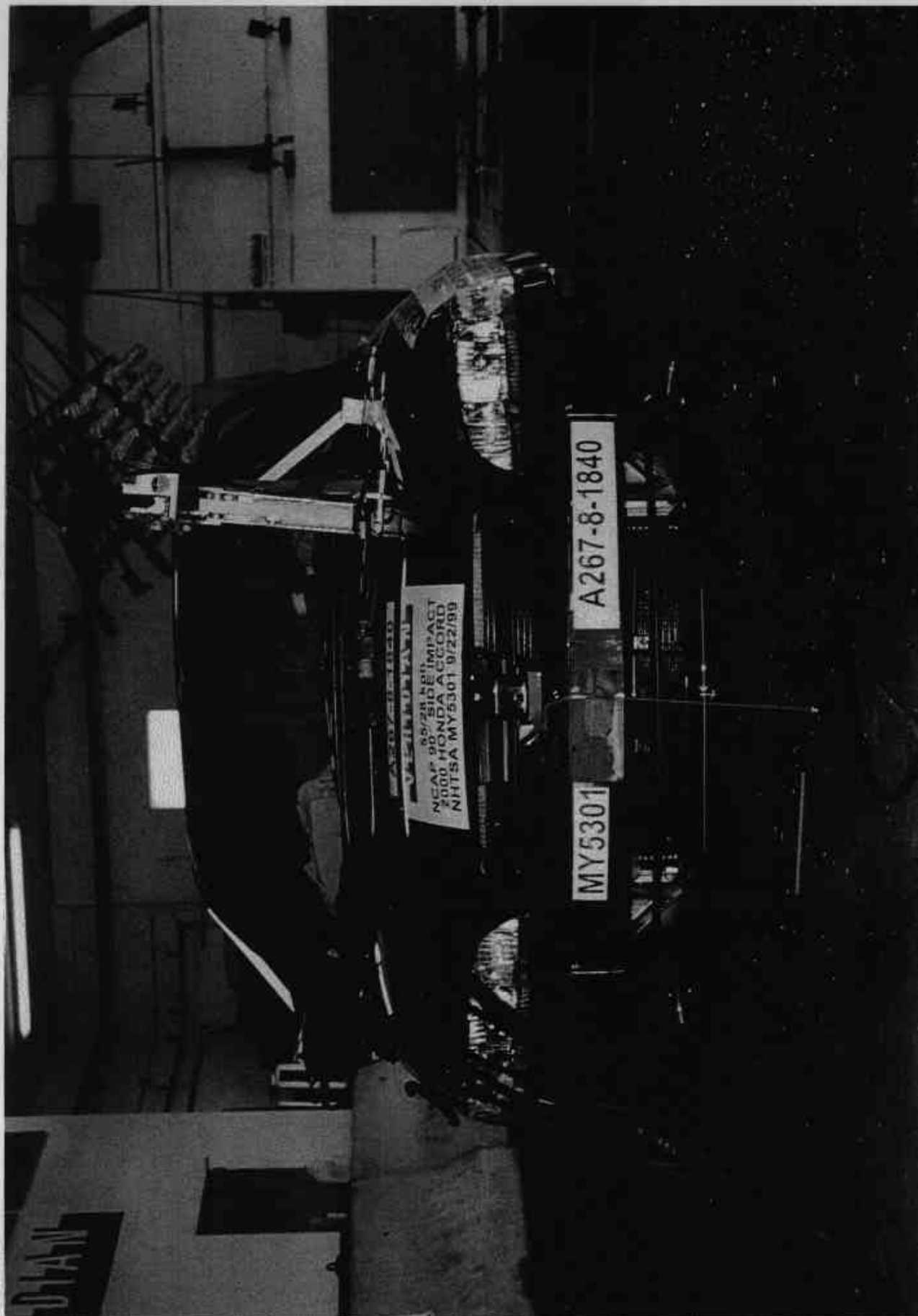


Figure A-2 POST-TEST FRONTAL VIEW OF TEST VEHICLE



Figure A-3 PRE-TEST REAR VIEW OF TEST VEHICLE



Figure A-4 POST-TEST REAR VIEW OF TEST VEHICLE

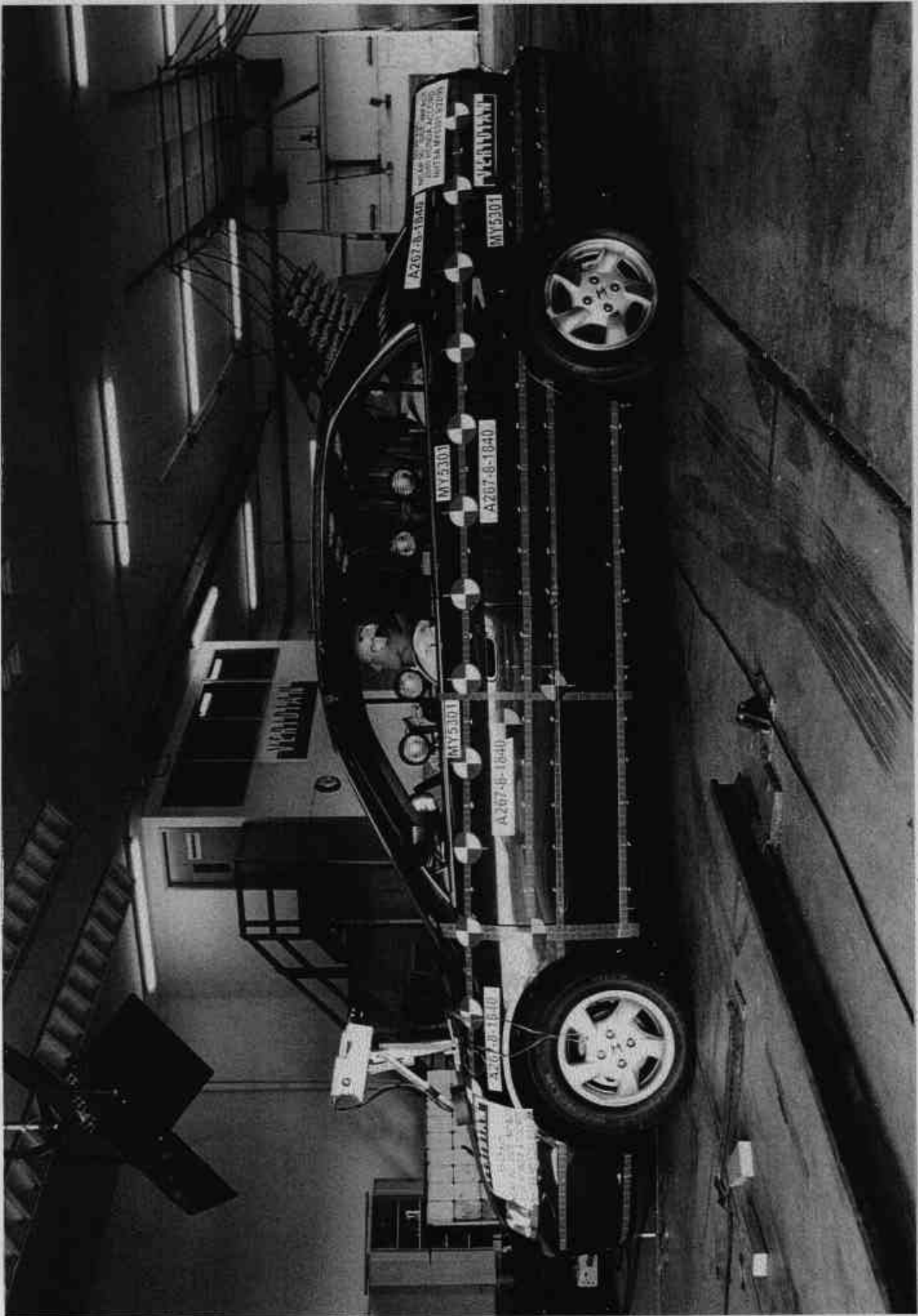


Figure A-5 PRE-TEST IMPACTED SIDE VIEW OF TEST VEHICLE

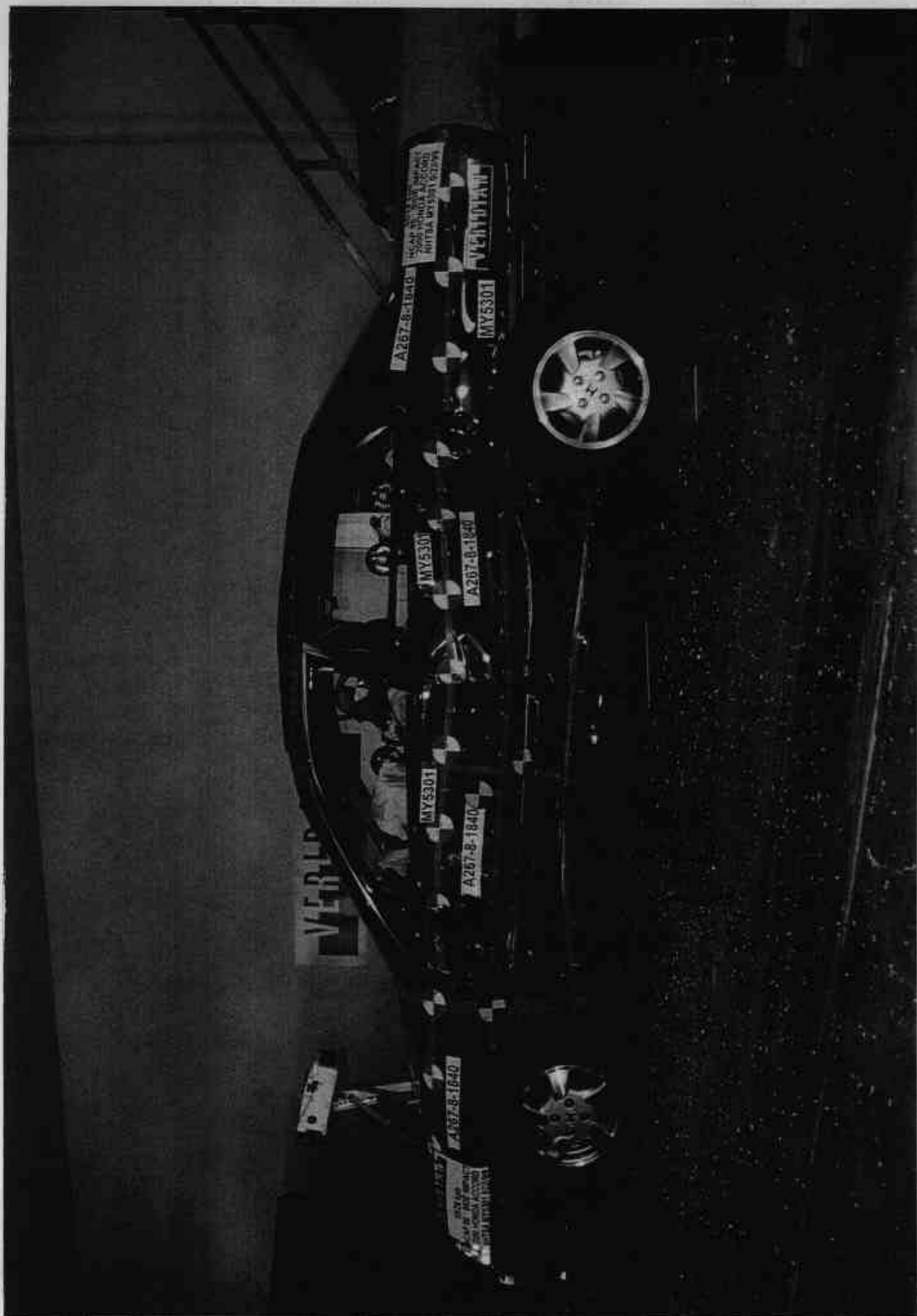


Figure A-6 POST-TEST IMPACTED SIDE VIEW OF TEST VEHICLE



Figure A-7 PRE-TEST FRONTAL VIEW OF IMPACTOR FACE

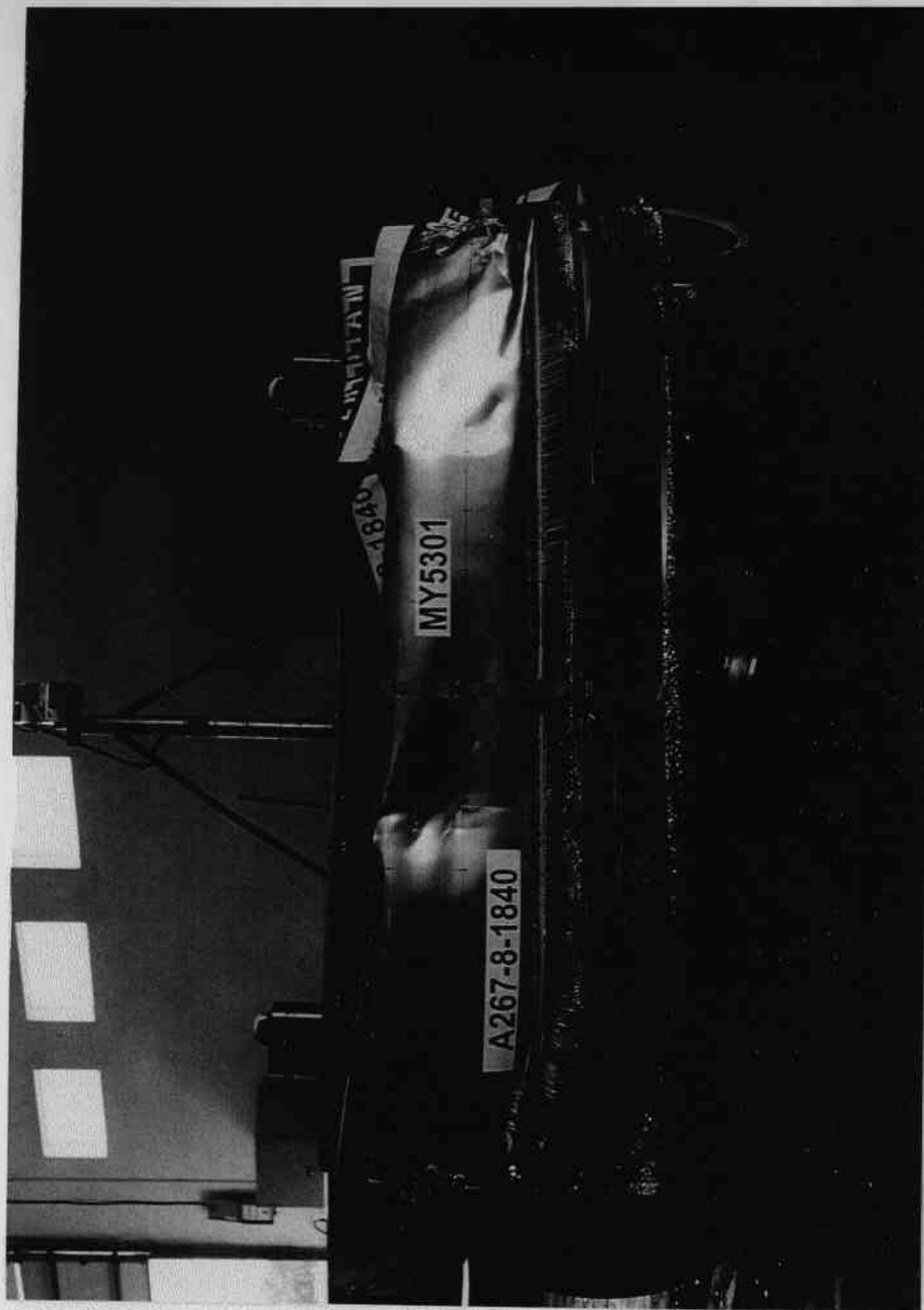


Figure A-8 POST-TEST FRONTAL VIEW OF IMPACTOR FACE



Figure A-9 PRE-TEST LEFT SIDE VIEW OF IMPACTOR FACE



Figure A-10 POST-TEST LEFT SIDE VIEW OF IMPACTOR FACE



Figure A-11 PRE-TEST RIGHT SIDE VIEW OF IMPACTOR FACE



Figure A-12 POST-TEST RIGHT SIDE VIEW OF IMPACTOR FACE



Figure A-13 PRE-TEST TOP VIEW OF IMPACTOR FACE

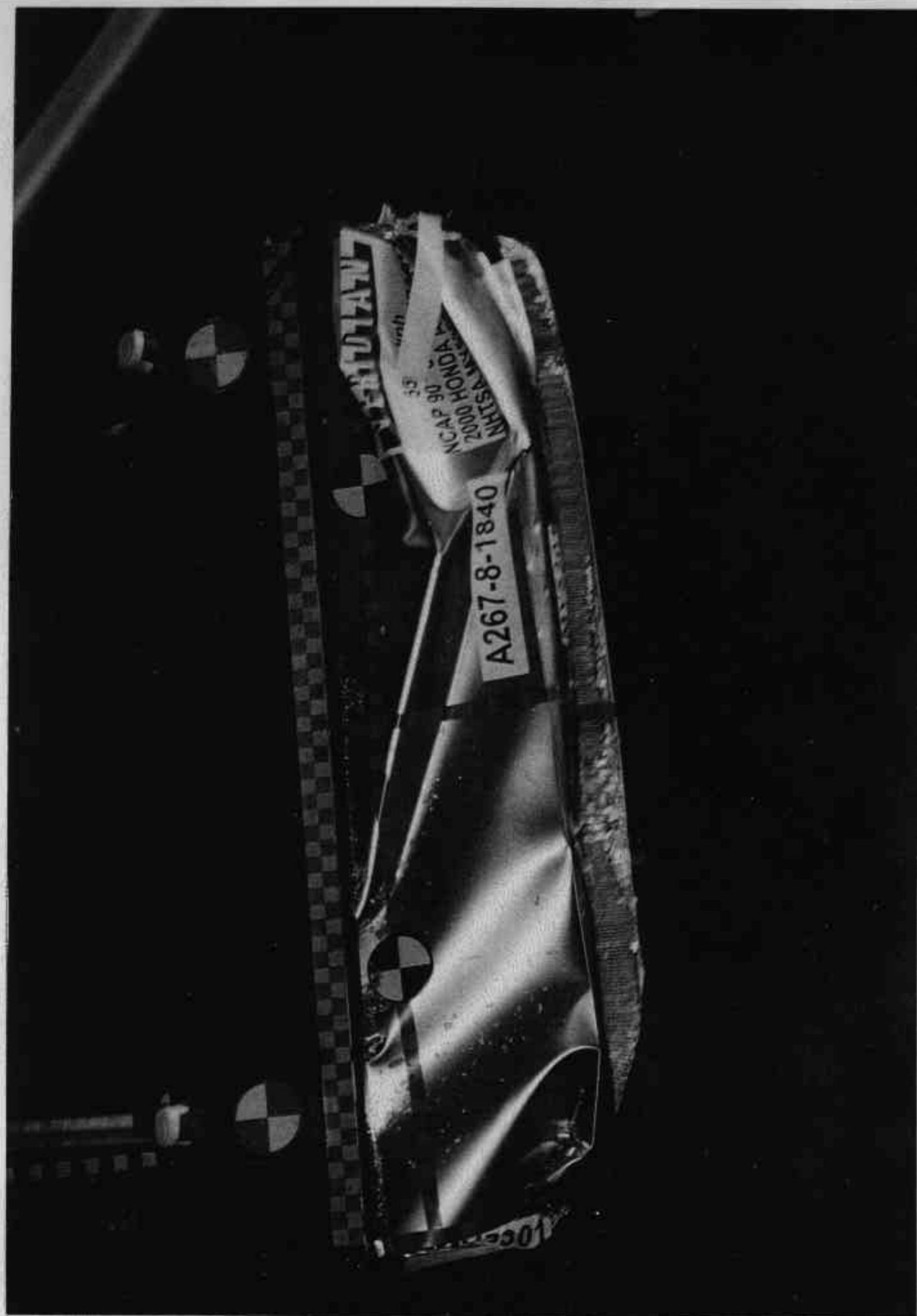


Figure A-14 POST-TEST TOP VIEW OF IMPACTOR FACE

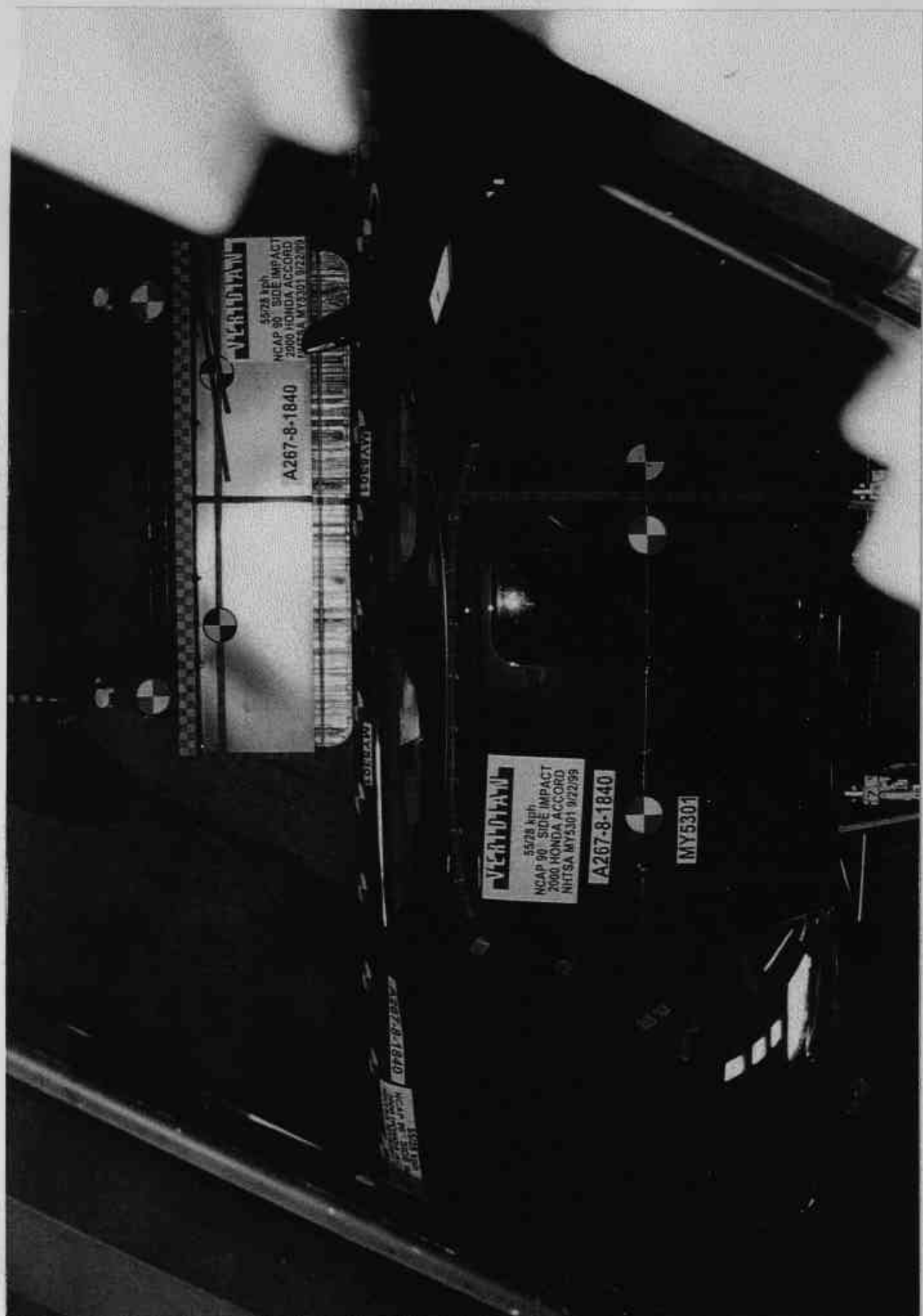


Figure A-15 PRE-TEST OVERHEAD VIEW OF ALIGNED MDB AND VEHICLE

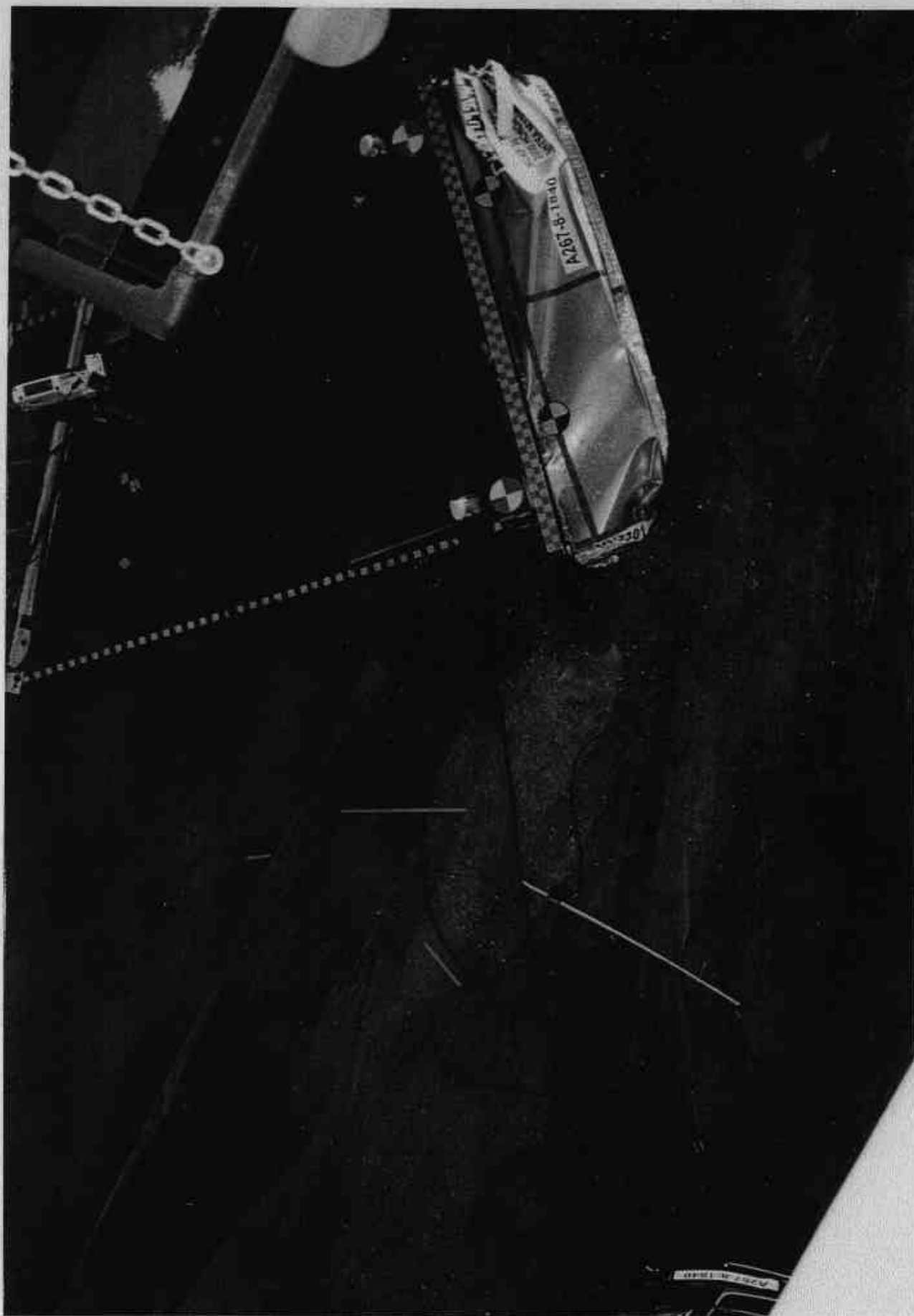


Figure A-16 POST-TEST OVERHEAD VIEW OF MDB AND VEHICLE

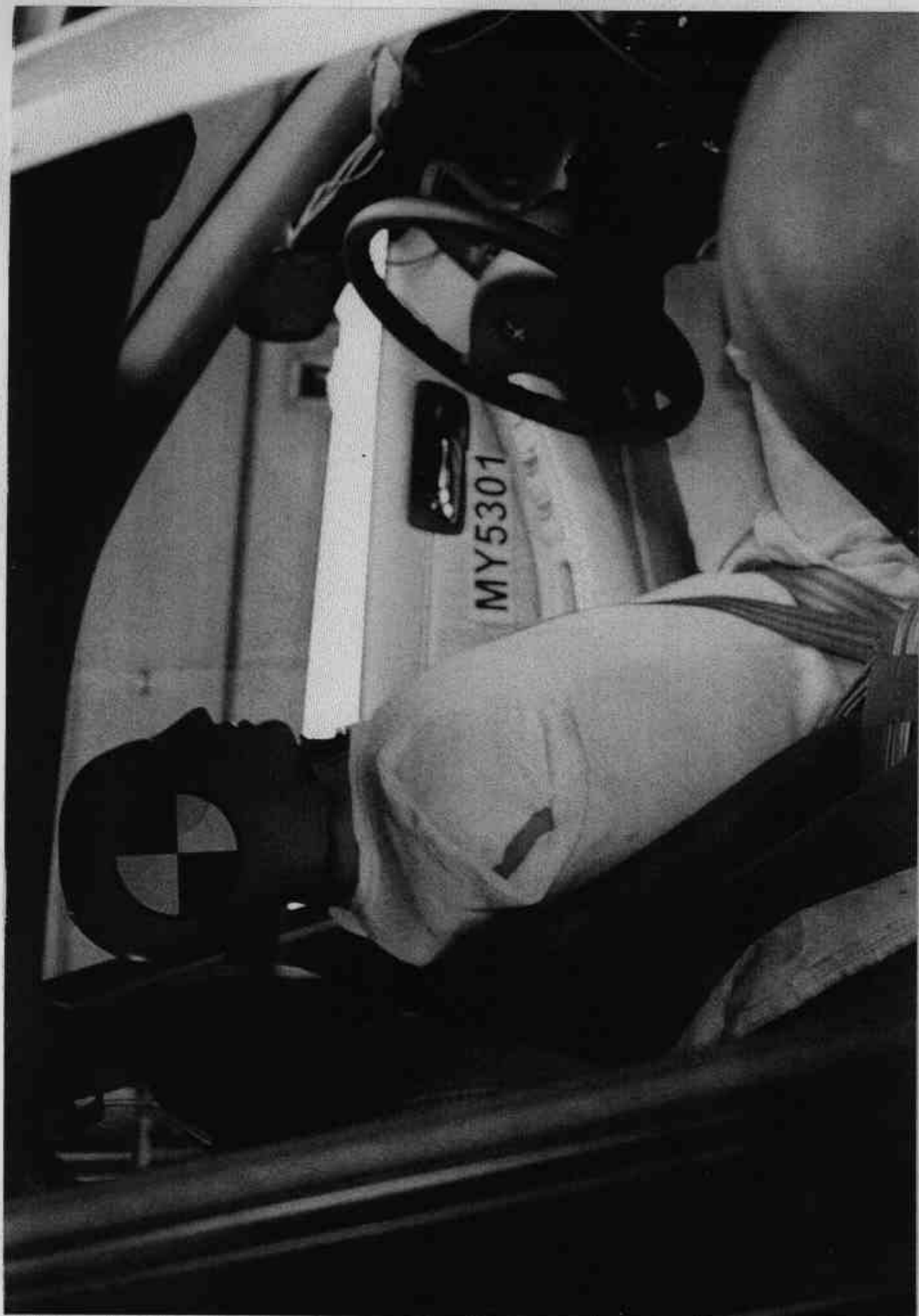


Figure A-17 PRE-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF FRONT SID



Figure A-18 POST-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF FRONT SID



Figure A-19 PRE-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF REAR SID

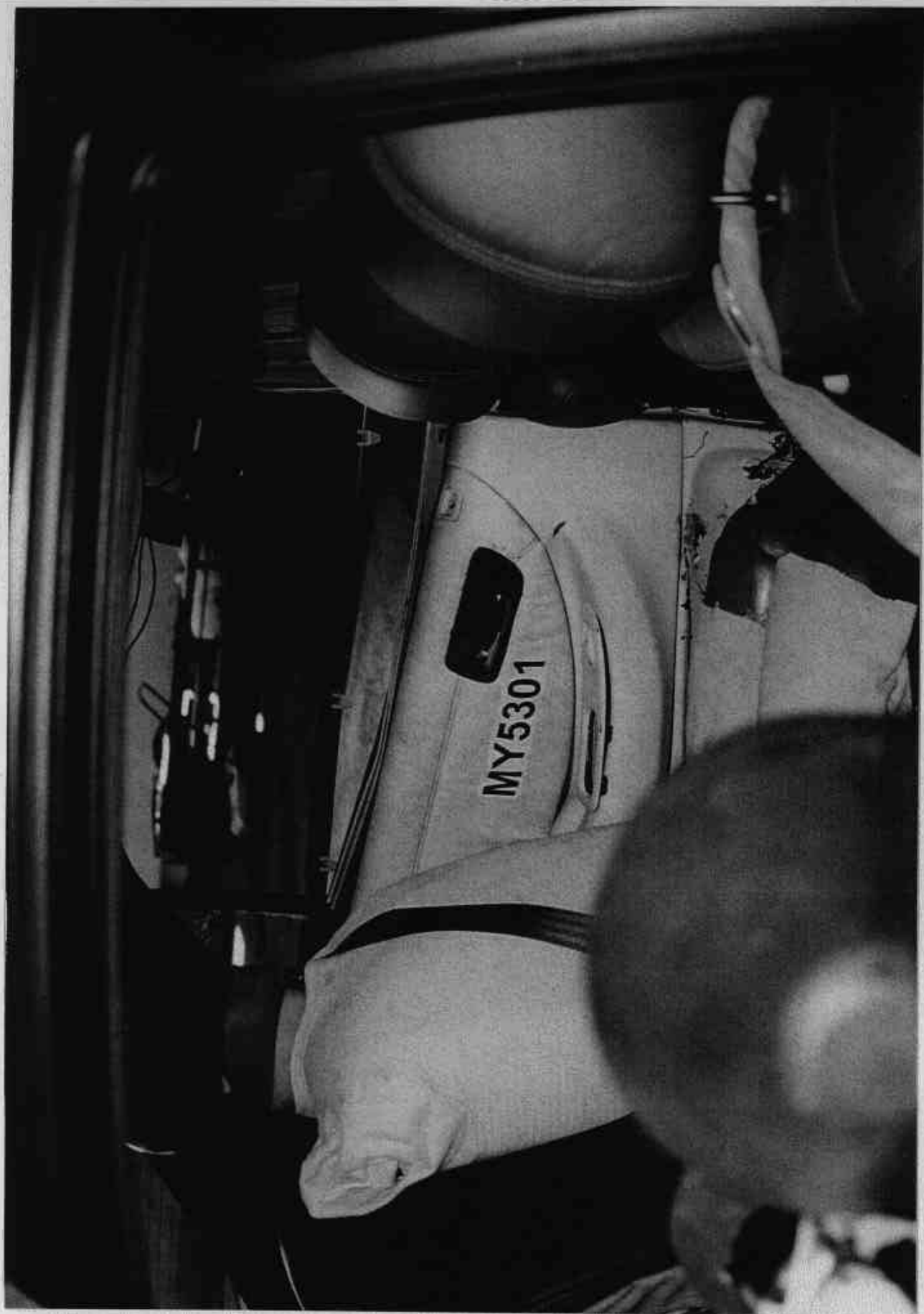


Figure A-20 POST-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF REAR SID

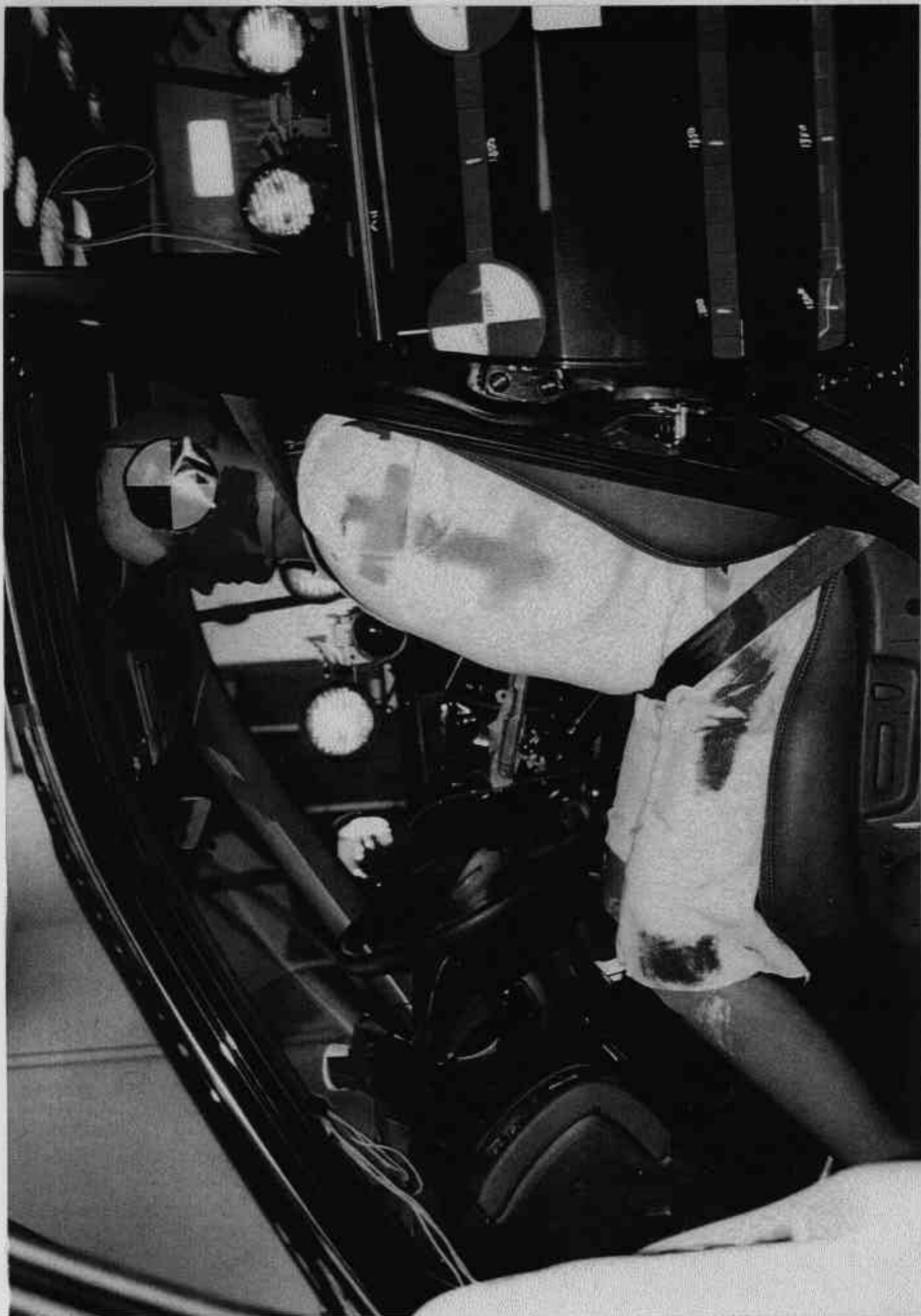


Figure A-21 PRE-TEST LEFT OCCUPANT COMPARTMENT VIEW OF FRONT SID



Figure A-22 POST-TEST LEFT OCCUPANT COMPARTMENT VIEW OF FRONT SID

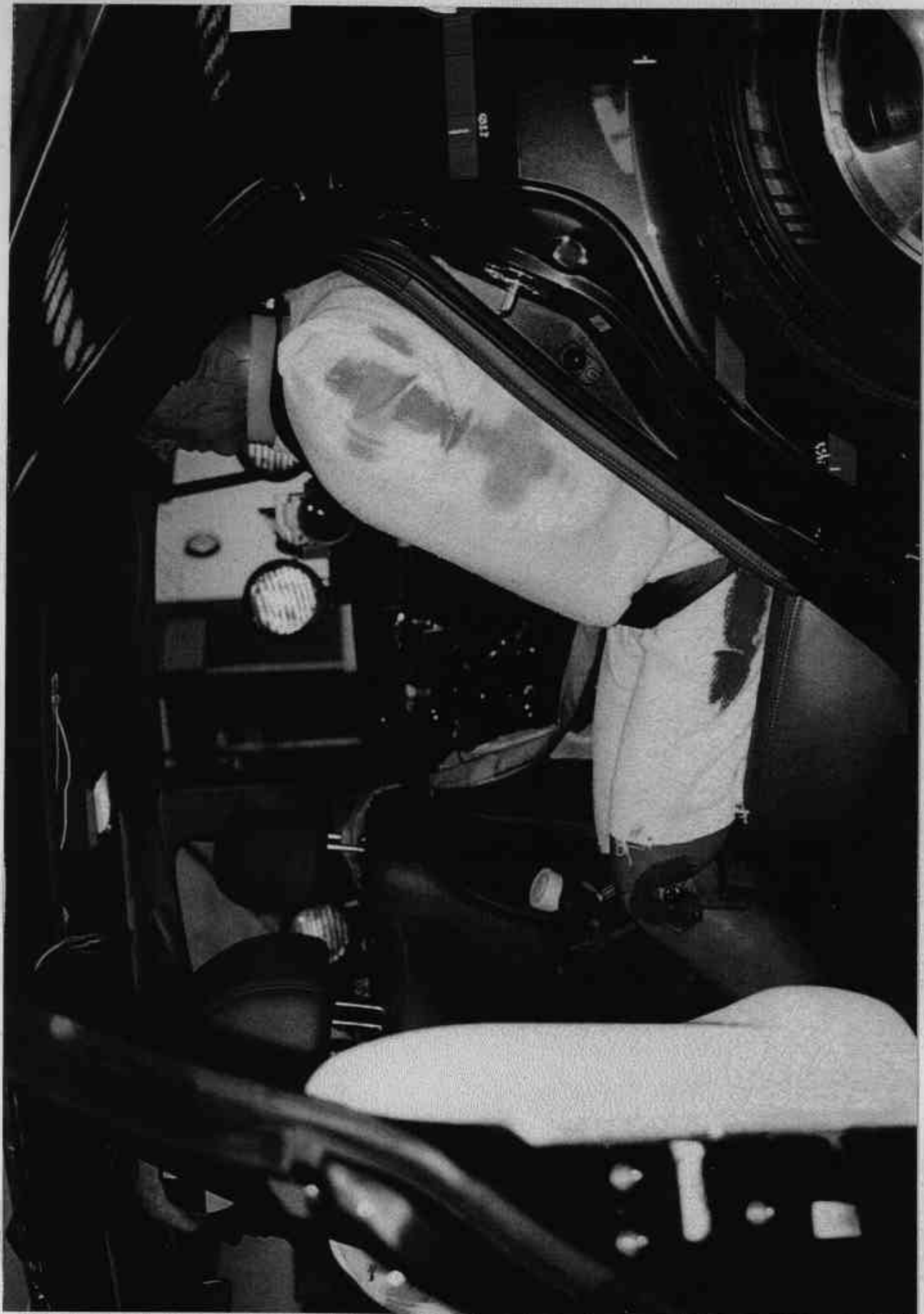


Figure A-23 PRE-TEST LEFT OCCUPANT COMPARTMENT VIEW OF REAR SID

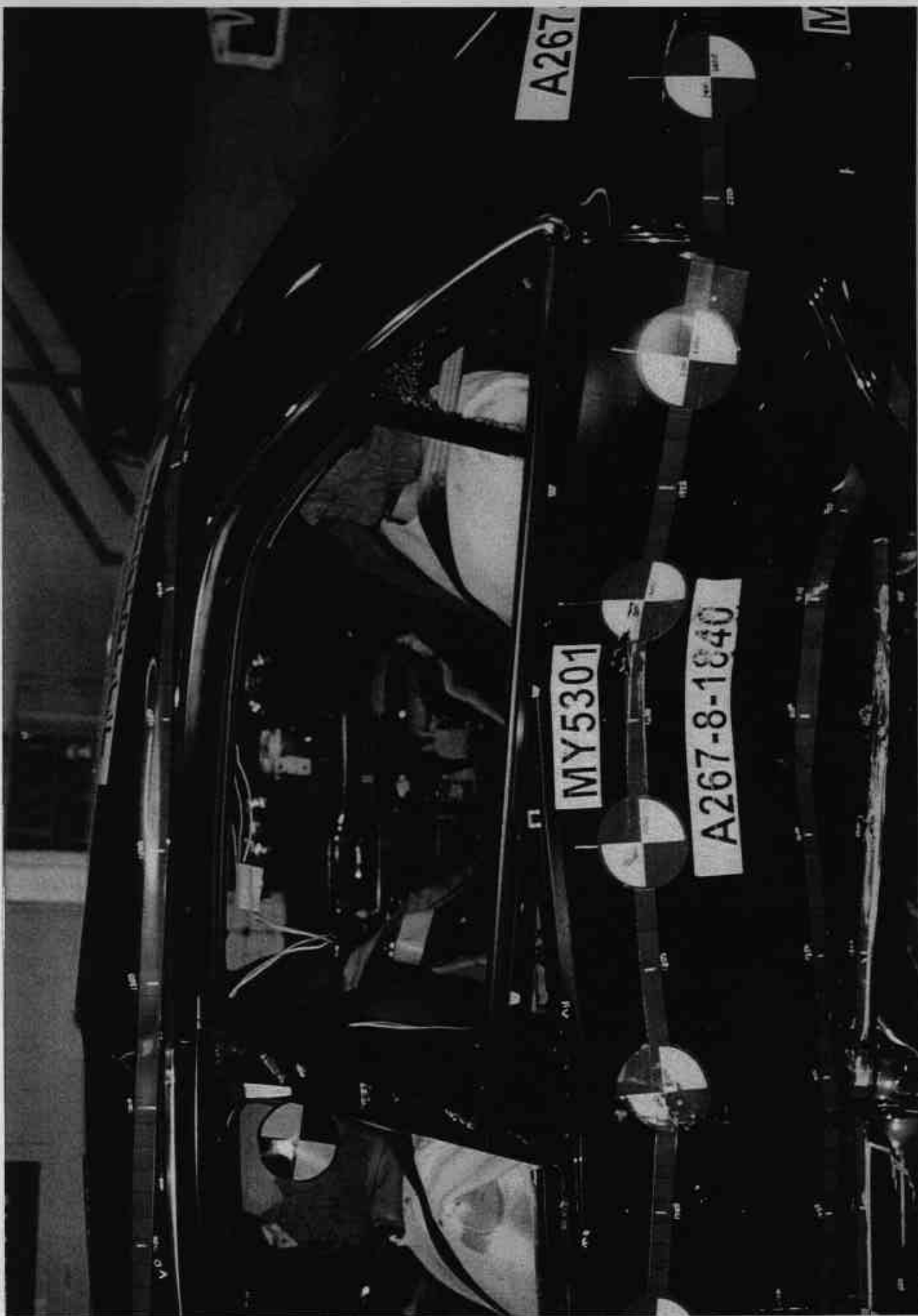


Figure A-24 POST-TEST LEFT OCCUPANT COMPARTMENT VIEW OF REAR SID



Figure A-25 PRE-TEST INTERIOR OF FRONT DOOR



Figure A-26 POST-TEST INTERIOR OF FRONT DOOR SHOWING SID IMPACT LOCATIONS



Figure A-27 PRE-TEST INTERIOR OF REAR DOOR

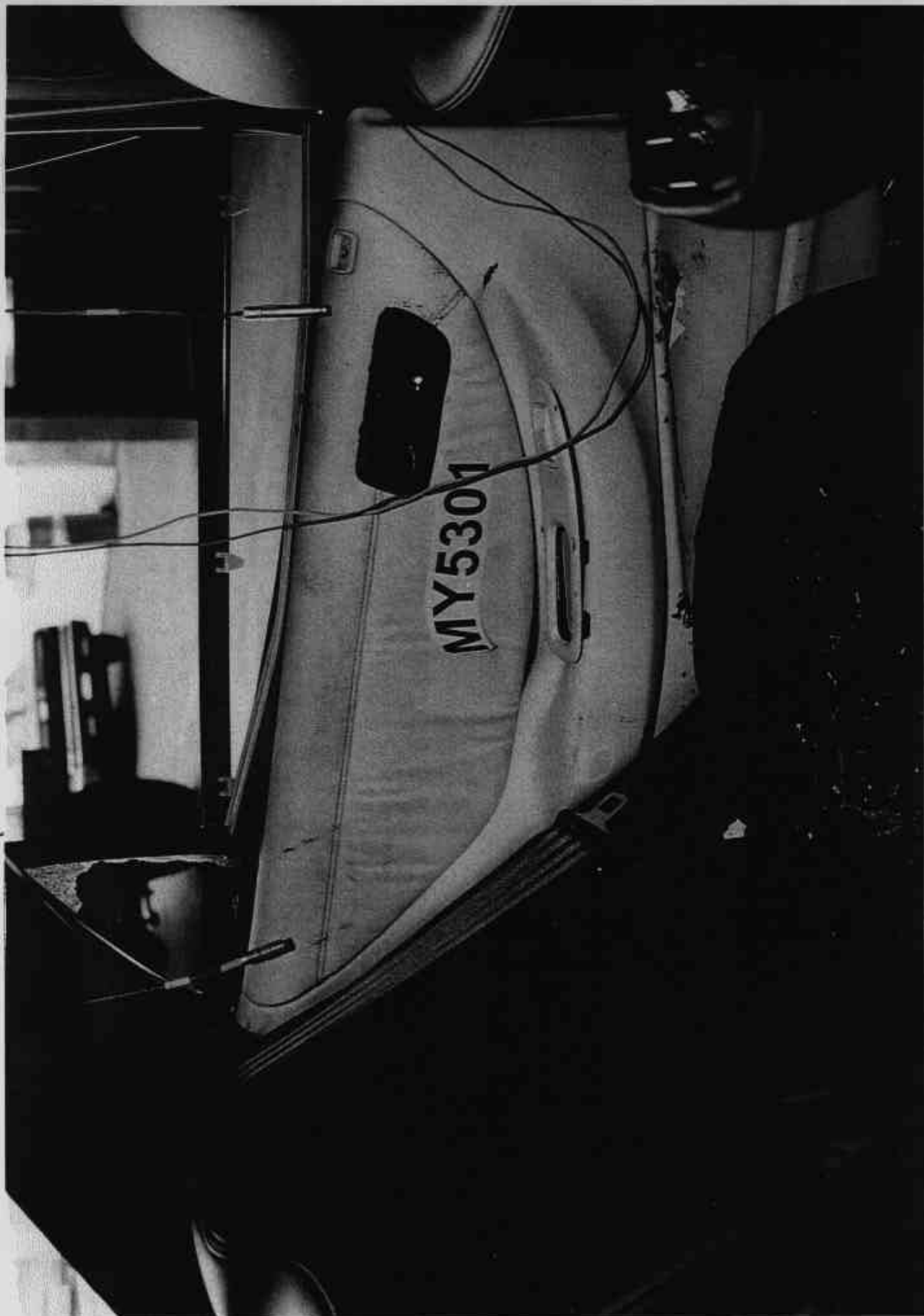


Figure A-28 POST-TEST INTERIOR OF REAR DOOR SHOWING SID IMPACT LOCATIONS



Figure A-29 PRE-TEST LEFT SIDE VIEW OF MDB WITH IMPACTOR FACE IN POSITION

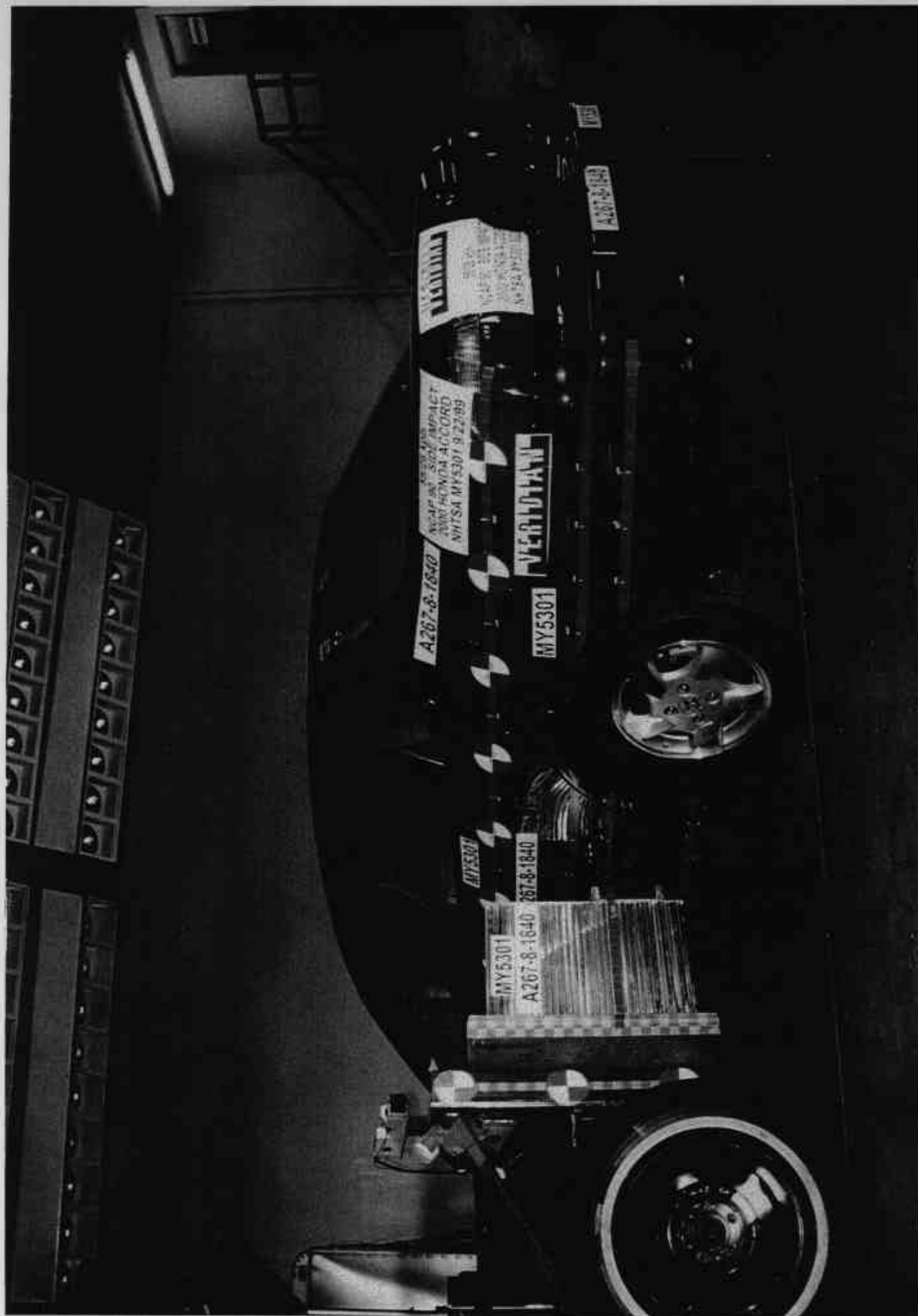


Figure A-30 PRE-TEST RIGHT SIDE VIEW OF MDB WITH IMPACTOR FACE IN POSITION



Figure A-31 POST-TEST CLOSE-UP VIEW OF IMPACT POINT TARGET

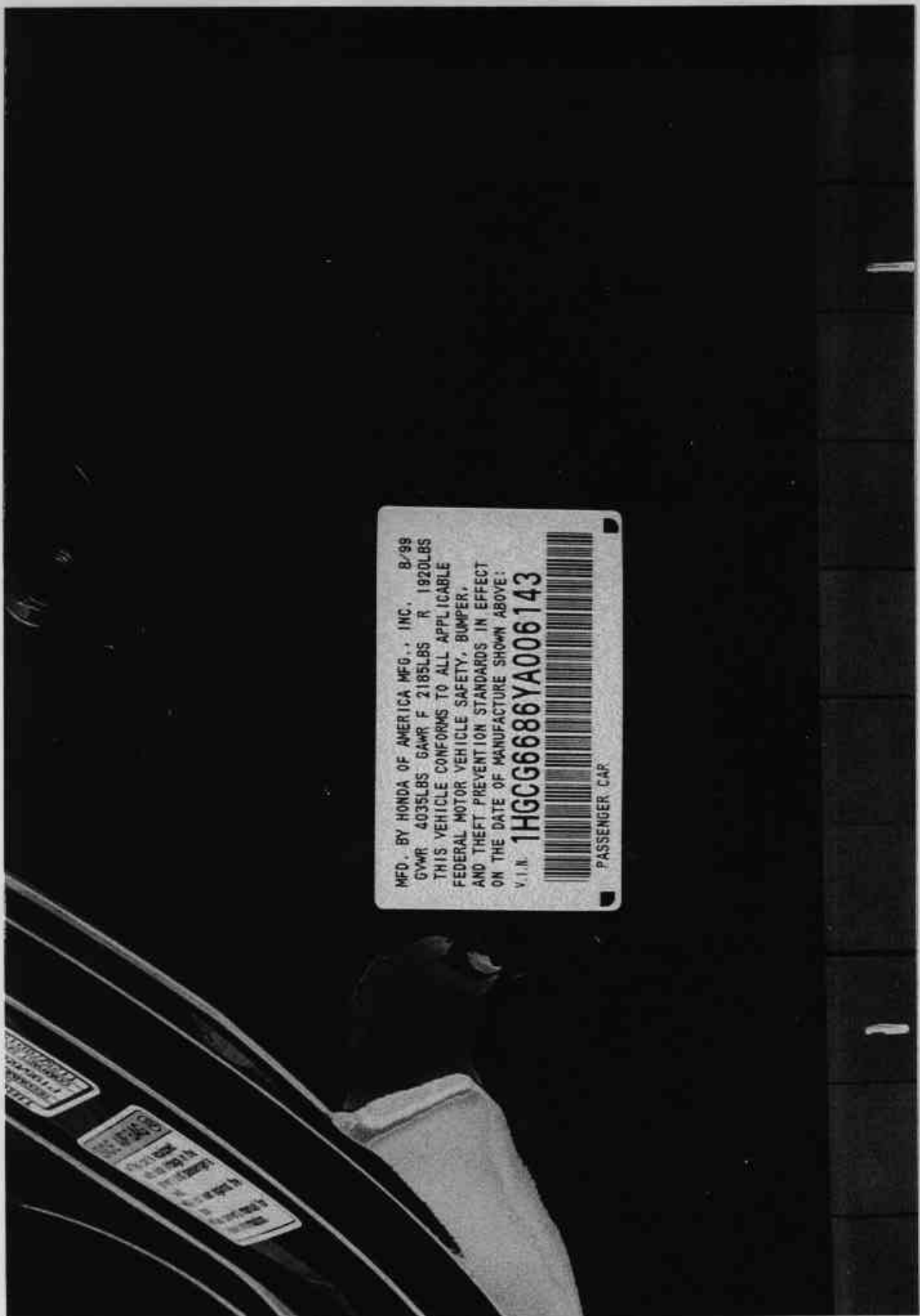


Figure A-32 CLOSE-UP VIEW OF VEHICLE'S CERTIFICATION LABEL

EXT. COLOR

B89P

R7 YS84 A

TIRE INFORMATION

TIRE INFORMATION		VEHICLE CAPACITY WEIGHT		850 LBS	
SEATING CAPACITY		TOTAL		5	FRONT 2 REAR 3
RECOMMENDED TIRE SIZE		COLD TIRE INFLATION PRESSURE		SEE OWNER'S	
P195/65R15 89H		FRONT	210KPA, 30PSI		
		REAR	210KPA, 30PSI		
COMPACT SPARE TIRE		UP TO VEHICLE CAPACITY WEIGHT			
T125/70D15 95M		420KPA, 60PSI			

42762-S84-A100

SIDE AIRBAG (A8)

- This car is equipped with side airbags in the driver's and passenger's

Figure A-33 CLOSE-UP VIEW OF VEHICLE'S TIRE PLACARD LABEL

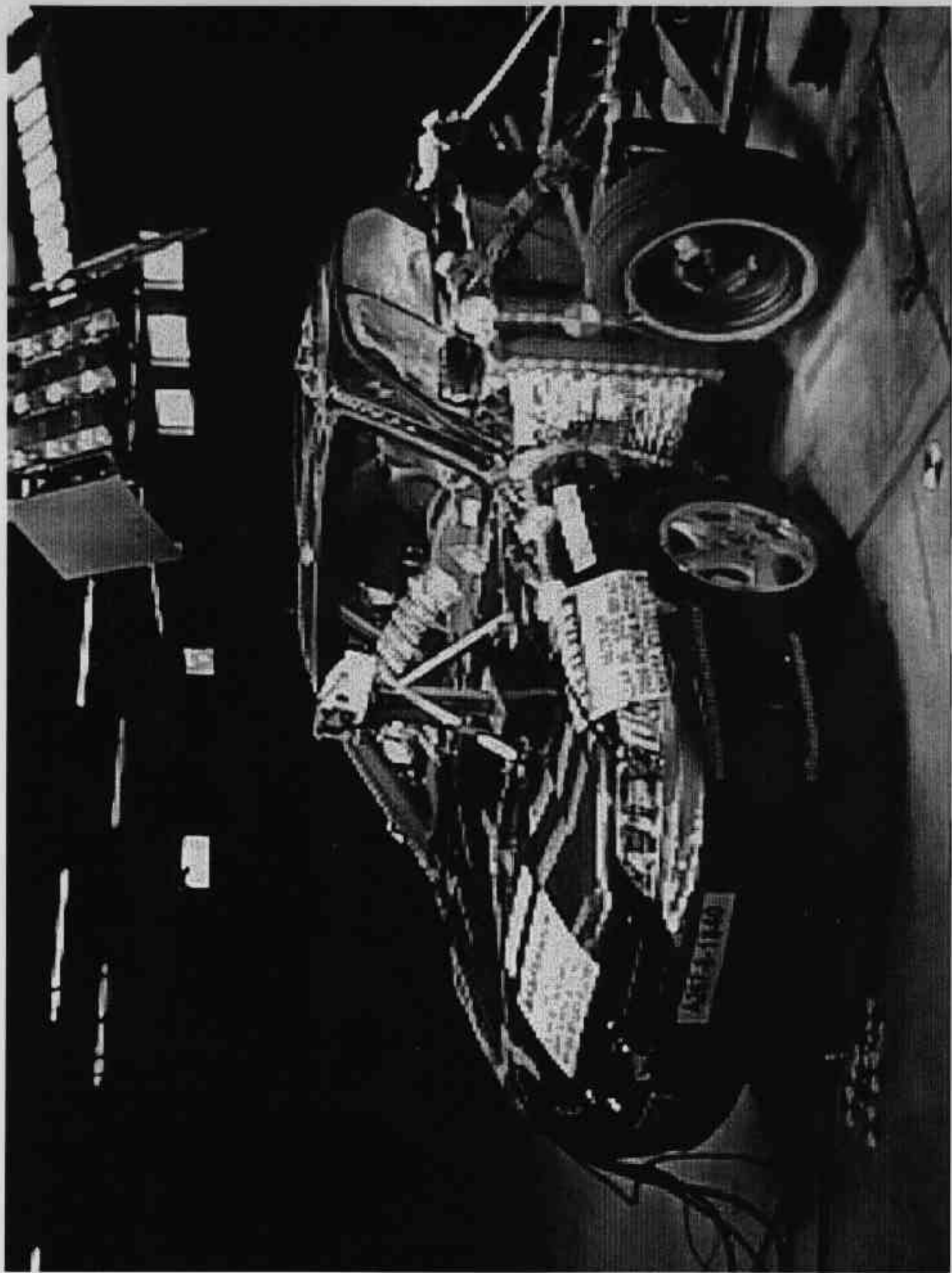


Figure A-34 IMPACT PHOTO

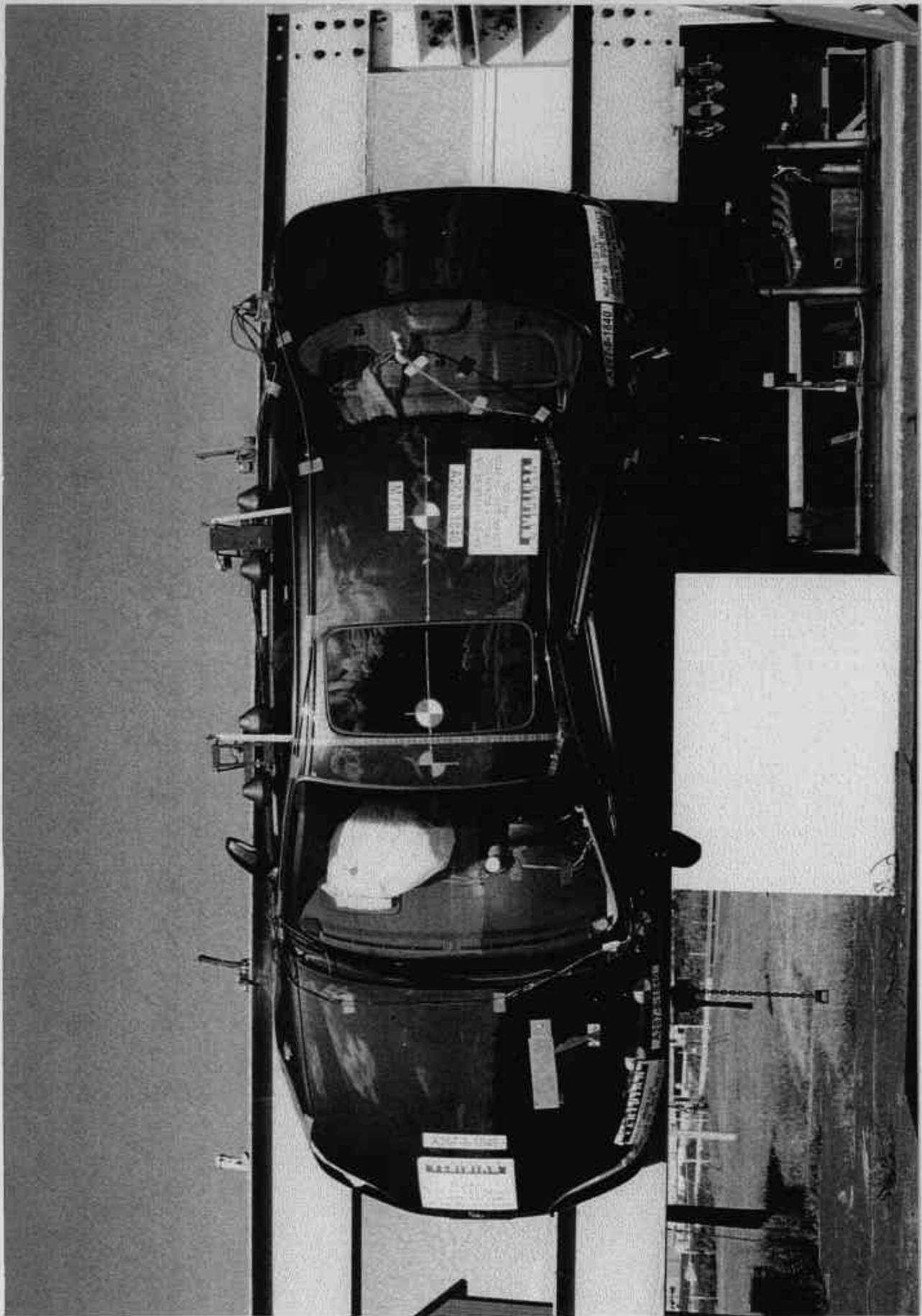


Figure A-35 ROLLOVER 90 DEGREES

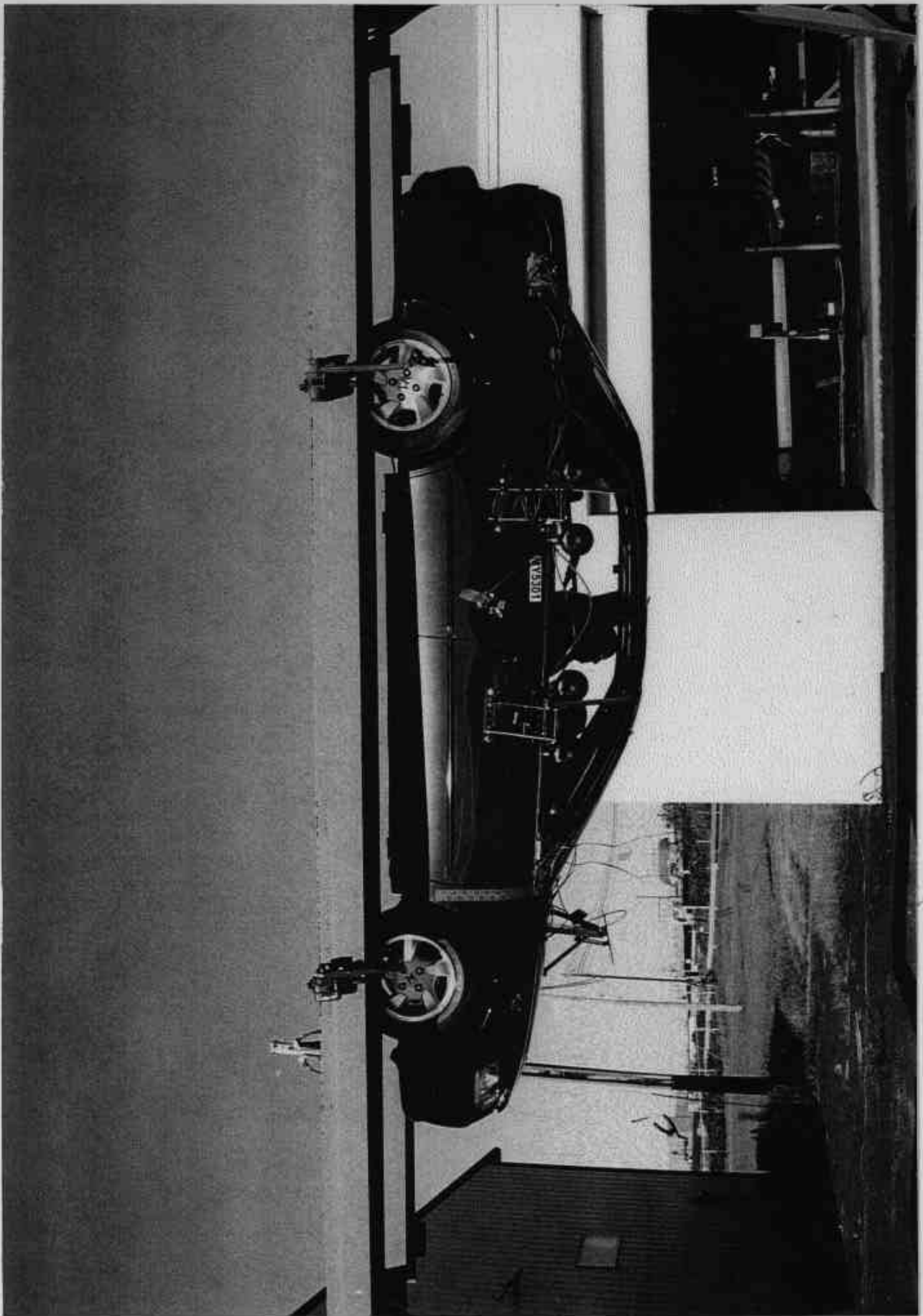


Figure A-36 ROLLOVER 180 DEGREES

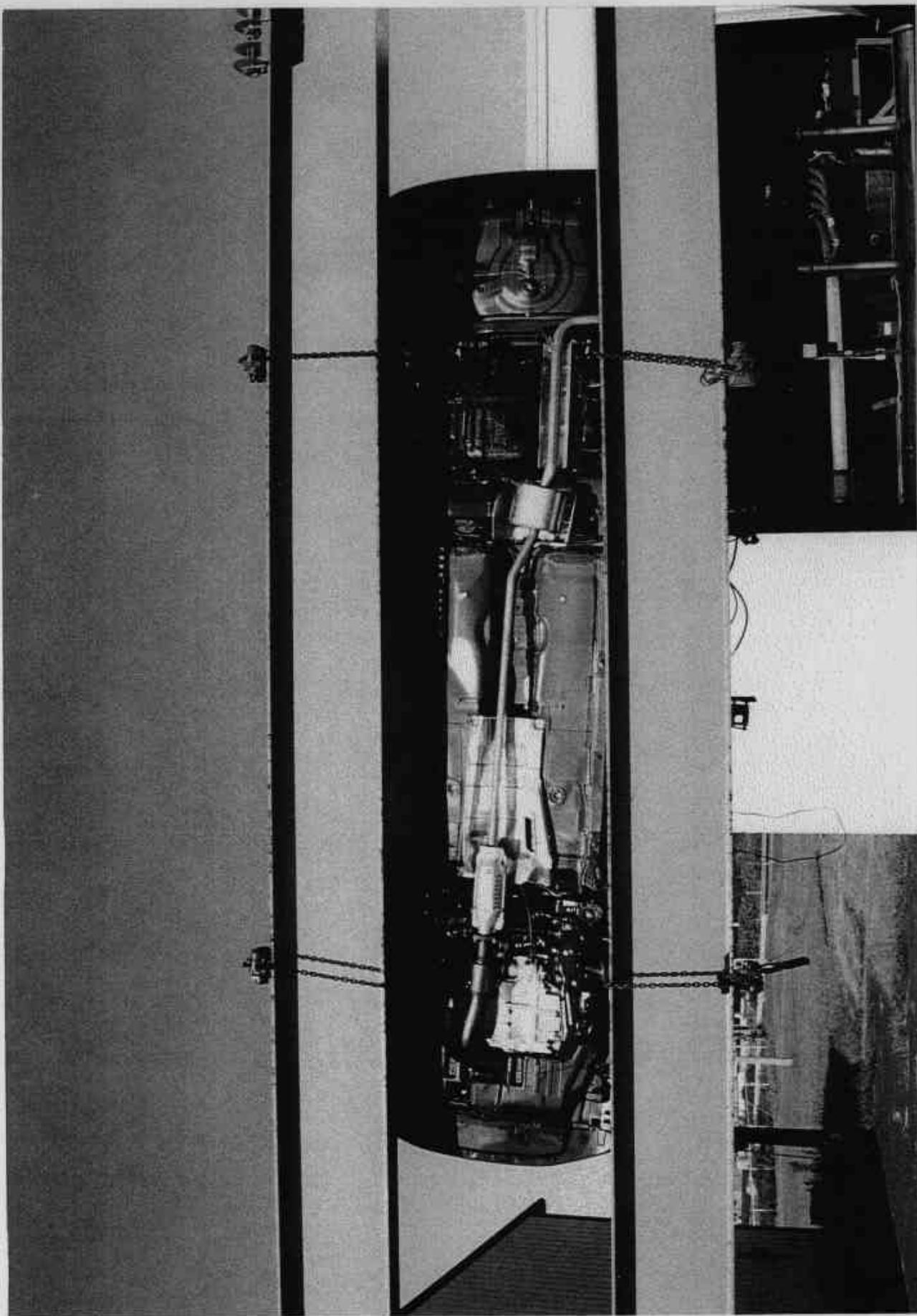
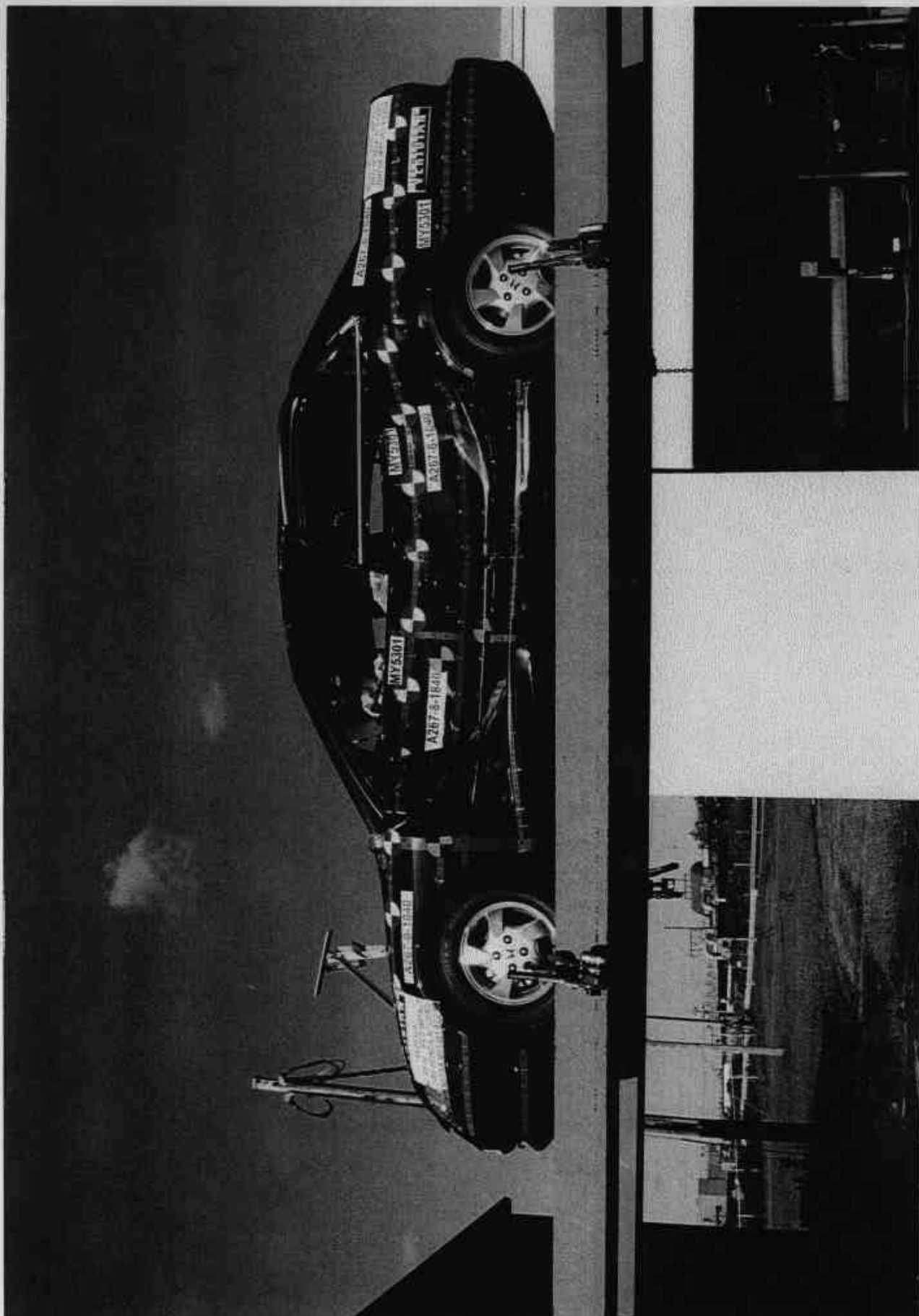


Figure A-37 ROLLOVER 270 DEGREES



APPENDIX B

VEHICLE, MDB AND SID RESPONSE DATA

TABLE OF DATA PLOTS

DRIVER AND PASSENGER DUMMY INSTRUMENTATION PLOTS ACCELERATION DATA - FILTER CLASS 1000, LOWER SPINE - FILTER CLASS 180 INTEGRATION DATA - FILTER CLASS 180

<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
1	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 6
2	DRIVER UPPER RIB (Y) VELOCITY VS TIME	B- 7
3	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 8
4	DRIVER LOWER RIB (Y) VELOCITY VS TIME	B- 9
5	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 10
6	DRIVER LOWER SPINE (Y) VELOCITY VS TIME	B- 11
7	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 12
8	DRIVER PELVIC (Y) VELOCITY VS TIME	B- 13
9	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 14
10	PASSENGER UPPER RIB (Y) VELOCITY VS TIME	B- 15
11	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 16
12	PASSENGER LOWER RIB (Y) VELOCITY VS TIME	B- 17
13	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 18
14	PASSENGER LOWER SPINE (Y) VELOCITY VS TIME	B- 19
15	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 20
16	PASSENGER PELVIC (Y) VELOCITY VS TIME	B- 21

DRIVER & PASSENGER DUMMY INSTRUMENTATION PLOTS ACCELERATION DATA - FIR FILTERED

<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
17	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 22
18	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 23
19	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 24
20	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 25
21	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 26
22	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 27
23	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 28
24	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 29

TEST VEHICLE INSTRUMENTATION PLOTS
ACCELERATION DATA - FILTER CLASS 60
INTEGRATION DATA - FILTER CLASS 180

<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
25	RIGHT SIDE SILL AT FRONT SEAT (X) ACCELERATION VS TIME	B- 30
26	RIGHT SIDE SILL AT FRONT SEAT (X) VELOCITY VS TIME	B- 31
27	RIGHT SIDE SILL AT FRONT SEAT (Y) ACCELERATION VS TIME	B- 32
28	RIGHT SIDE SILL AT FRONT SEAT (Y) VELOCITY VS TIME	B- 33
29	RIGHT SIDE SILL AT FRONT SEAT (Z) ACCELERATION VS TIME	B- 34
30	RIGHT SIDE SILL AT FRONT SEAT (Z) VELOCITY VS TIME	B- 35
31	RIGHT SIDE SILL AT FRONT SEAT RESULTANT ACCELERATION VS TIME	B- 36
32	RIGHT SIDE SILL AT REAR SEAT (X) ACCELERATION VS TIME	B- 37
33	RIGHT SIDE SILL AT REAR SEAT (X) VELOCITY VS TIME	B- 38
34	RIGHT SIDE SILL AT REAR SEAT (Y) ACCELERATION VS TIME	B- 39
35	RIGHT SIDE SILL AT REAR SEAT (Y) VELOCITY VS TIME	B- 40
36	RIGHT SIDE SILL AT REAR SEAT (Z) ACCELERATION VS TIME	B- 41
37	RIGHT SIDE SILL AT REAR SEAT (Z) VELOCITY VS TIME	B- 42
38	RIGHT SIDE SILL AT REAR SEAT RESULTANT ACCELERATION VS TIME	B- 43
39	REAR FLOORPAN ABOVE AXLE (X) ACCELERATION VS TIME	B- 44
40	REAR FLOORPAN ABOVE AXLE (X) VELOCITY VS TIME	B- 45
41	REAR FLOORPAN ABOVE AXLE (Y) ACCELERATION VS TIME	B- 46
42	REAR FLOORPAN ABOVE AXLE (Y) VELOCITY VS TIME	B- 47
43	REAR FLOORPAN ABOVE AXLE (Z) ACCELERATION VS TIME	B- 48
44	REAR FLOORPAN ABOVE AXLE (Z) VELOCITY VS TIME	B- 49
45	REAR FLOORPAN ABOVE AXLE RESULTANT ACCELERATION VS TIME	B- 50
46	LEFT SIDE SILL AT REAR SEAT (Y) ACCELERATION VS TIME	B- 51
47	LEFT SIDE SILL AT REAR SEAT (Y) VELOCITY VS TIME	B- 52
48	LEFT SIDE SILL AT FRONT SEAT (Y) ACCELERATION VS TIME	B- 53
49	LEFT SIDE SILL AT FRONT SEAT (Y) VELOCITY VS TIME	B- 54
50	LEFT FRONT DOOR ON CENTERLINE (Y) ACCELERATION VS TIME	B- 55
51	LEFT FRONT DOOR ON CENTERLINE (Y) VELOCITY VS TIME	B- 56
52	RIGHT REAR OCCUPANT COMPARTMENT (Y) ACCELERATION VS TIME	B- 57
53	RIGHT REAR OCCUPANT COMPARTMENT (Y) VELOCITY VS TIME	B- 58
54	MID REAR OF LEFT FRONT DOOR (Y) ACCELERATION VS TIME	B- 59
55	MID REAR OF LEFT FRONT DOOR (Y) VELOCITY VS TIME	B- 60
56	LEFT FRONT DOOR UPPER CENTERLINE (Y) ACCELERATION VS TIME	B- 61
57	LEFT FRONT DOOR UPPER CENTERLINE (Y) VELOCITY VS TIME	B- 62
58	MID REAR OF LEFT REAR DOOR (Y) ACCELERATION VS TIME	B- 63
59	MID REAR OF LEFT REAR DOOR (Y) VELOCITY VS TIME	B- 64
60	LEFT REAR DOOR UPPER CENTERLINE (Y) ACCELERATION VS TIME	B- 65
61	LEFT REAR DOOR UPPER CENTERLINE (Y) VELOCITY VS TIME	B- 66
62	LOWER B-POST (Y) ACCELERATION VS TIME	B- 67
63	LOWER B-POST (Y) VELOCITY VS TIME	B- 68
64	UPPER B-POST (Y) ACCELERATION VS TIME	B- 69
65	UPPER B-POST (Y) VELOCITY VS TIME	B- 70
66	LOWER A-POST (Y) ACCELERATION VS TIME	B- 71

TEST VEHICLE INSTRUMENTATION PLOTS
ACCELERATION DATA - FILTER CLASS 60
INTEGRATION DATA - FILTER CLASS 180

<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
67	LOWER A-POST (Y) VELOCITY VS TIME	B- 72
68	UPPER A-POST (Y) ACCELERATION VS TIME	B- 73
69	UPPER A-POST (Y) VELOCITY VS TIME	B- 74
70	FRONT SEAT TRACK (Y) ACCELERATION VS TIME	B- 75
71	FRONT SEAT TRACK (Y) VELOCITY VS TIME	B- 76
72	REAR SEAT TRACK (Y) ACCELERATION VS TIME	B- 77
73	REAR SEAT TRACK (Y) VELOCITY VS TIME	B- 78
74	VEHICLE CENTER OF GRAVITY (X) ACCELERATION VS TIME	B- 79
75	VEHICLE CENTER OF GRAVITY (X) VELOCITY VS TIME	B- 80
76	VEHICLE CENTER OF GRAVITY (Y) ACCELERATION VS TIME	B- 81
77	VEHICLE CENTER OF GRAVITY (Y) VELOCITY ACCELERATION VS TIME	B- 82
78	VEHICLE CENTER OF GRAVITY (Z) ACCELERATION VS TIME	B- 83
79	VEHICLE CENTER OF GRAVITY (Z) VELOCITY VS TIME	B- 84
80	VEHICLE CENTER OF GRAVITY RESULTANT ACCELERATION VS TIME	B- 85

MDB INSTRUMENTATION PLOTS
ACCELERATION DATA - FILTER CLASS 60
INTEGRATION DATA - FILTER CLASS 180

<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
81	MDB CENTER OF GRAVITY (X) ACCELERATION VS TIME	B- 86
82	MDB CENTER OF GRAVITY (X) VELOCITY VS TIME	B- 87
83	MDB CENTER OF GRAVITY (Y) ACCELERATION VS TIME	B- 88
84	MDB CENTER OF GRAVITY (Y) VELOCITY VS TIME	B- 89
85	MDB CENTER OF GRAVITY (Z) ACCELERATION VS TIME	B- 90
86	MDB CENTER OF GRAVITY (Z) VELOCITY VS TIME	B- 91
87	MDB CENTER OF GRAVITY RESULTANT ACCELERATION VS TIME	B- 92
88	MDB REAR (X) ACCELERATION VS TIME	B- 93
89	MDB REAR (X) VELOCITY VS TIME	B- 94
90	MDB REAR (Y) ACCELERATION VS TIME	B- 95
91	MDB REAR (Y) VELOCITY VS TIME	B- 96

DRIVER & PASSENGER DUMMY INSTRUMENTATION PLOTS (REDUNDANT)
ACCELERATION DATA - FILTER CLASS 1000, LOWER SPINE - FILTER CLASS 180
INTEGRATION DATA - FILTER CLASS 180

<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
92	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 97
93	DRIVER UPPER RIB (Y) VELOCITY VS TIME	B- 98
94	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 99
95	DRIVER LOWER RIB (Y) VELOCITY VS TIME	B- 100
96	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 101
97	DRIVER LOWER SPINE (Y) VELOCITY VS TIME	B- 102
98	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 103
99	DRIVER PELVIC (Y) VELOCITY VS TIME	B- 104
100	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 105
101	PASSENGER UPPER RIB (Y) VELOCITY VS TIME	B- 106
102	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 107
103	PASSENGER LOWER RIB (Y) VELOCITY VS TIME	B- 108
104	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 109
105	PASSENGER LOWER SPINE (Y) VELOCITY VS TIME	B- 110
106	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 111
107	PASSENGER PELVIC (Y) VELOCITY VS TIME	B- 112

DRIVER & PASSENGER DUMMY INSTRUMENTATION PLOTS (REDUNDANT)
ACCELERATION DATA - FIR FILTERED

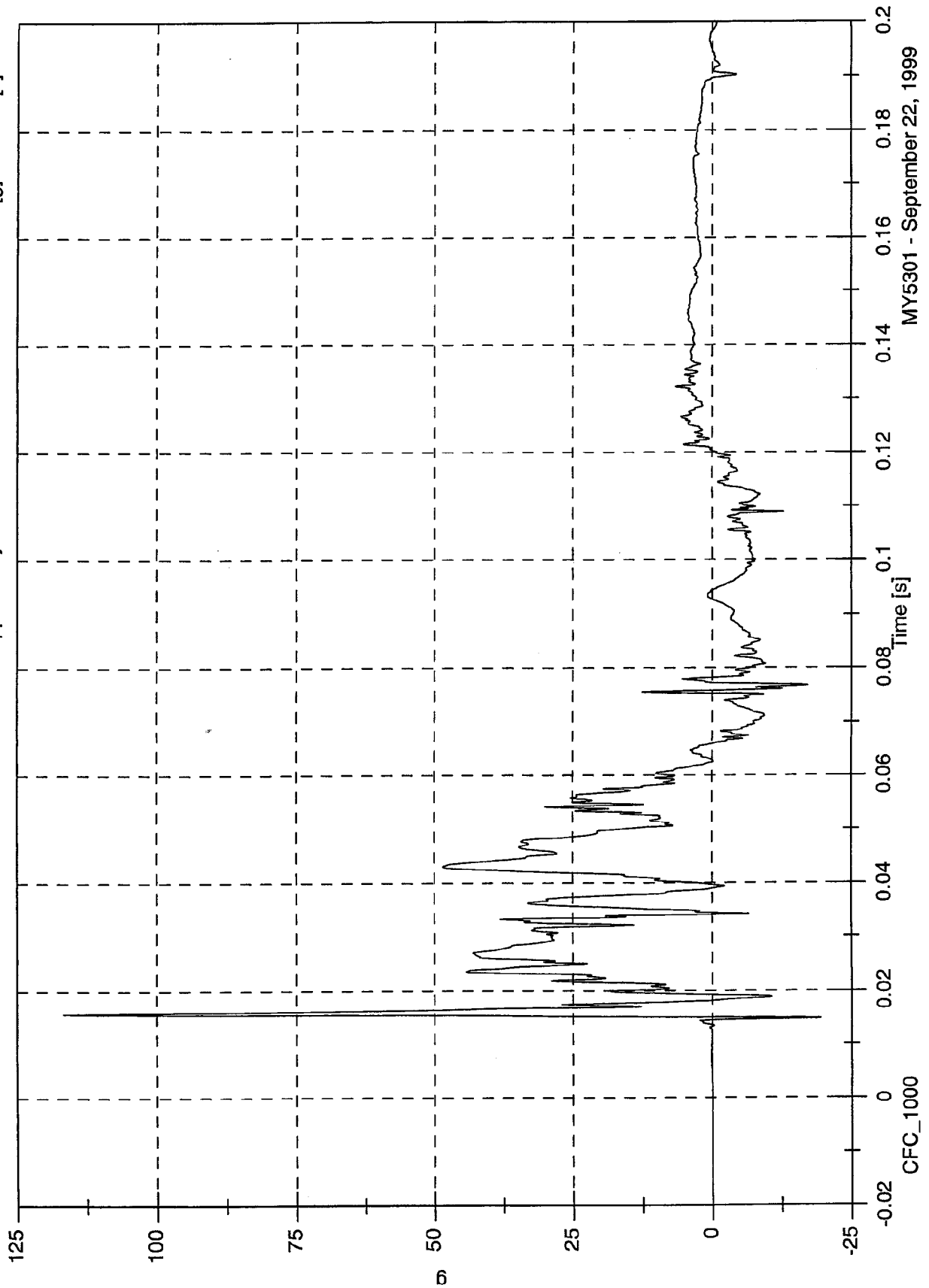
<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
108	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 113
109	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 114
110	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 115
111	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 116
112	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 117
113	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 118
114	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 119
115	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 120

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 116.7 [g] at 0.016 [s]

Min: -19.4 [g] at 0.015 [s]

P1 Upper Rib y

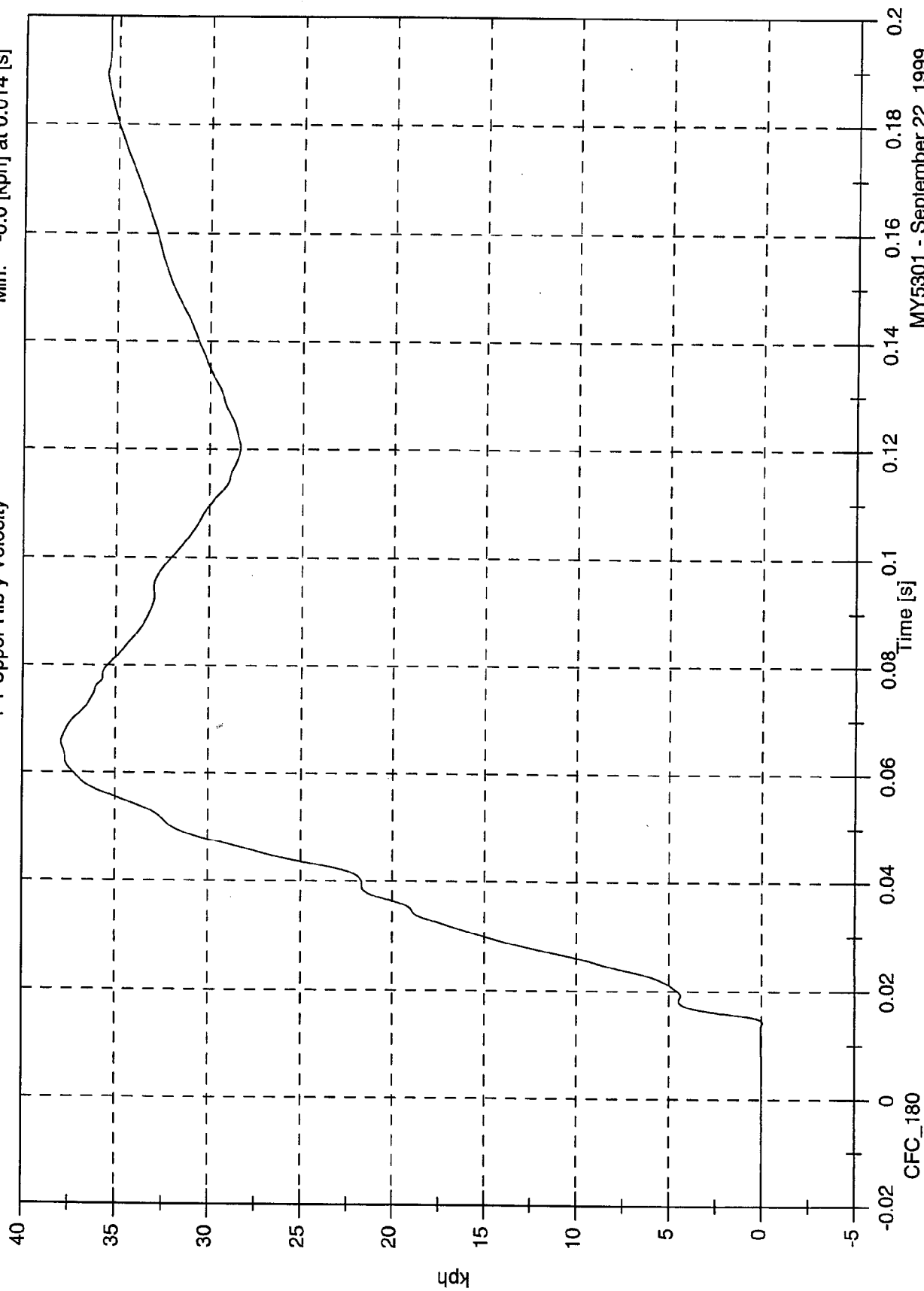


SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 37.9 [kph] at 0.066 [s]

Min: -0.0 [kph] at 0.014 [s]

P1 Upper Rib y Velocity



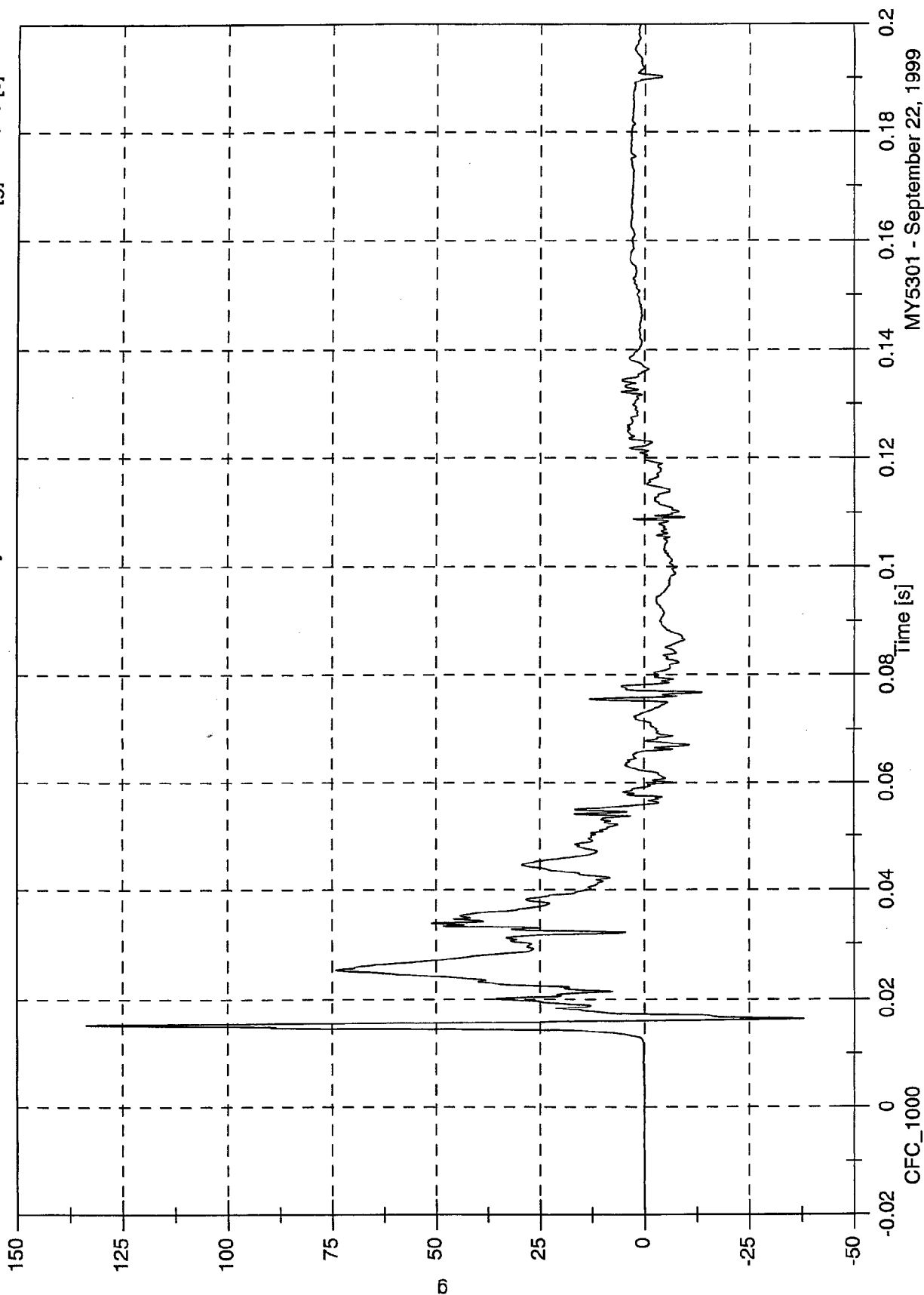
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

P1 Lower Rib y

Max: 133.7 [g] at 0.015 [s]

Min: -37.9 [g] at 0.016 [s]



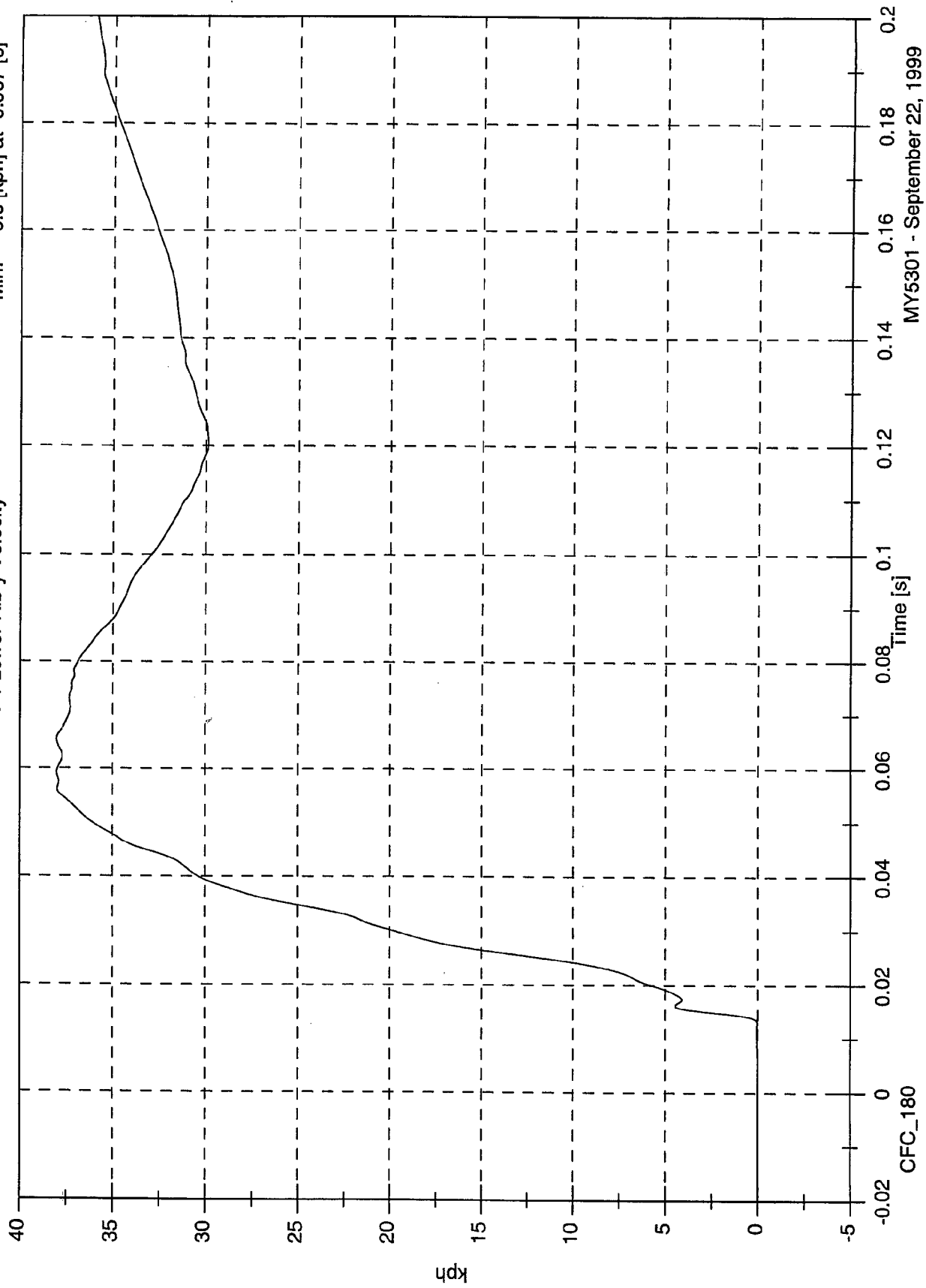
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 38.0 [kph] at 0.066 [s]

Min: -0.0 [kph] at -0.067 [s]

P1 Lower Rib y Velocity

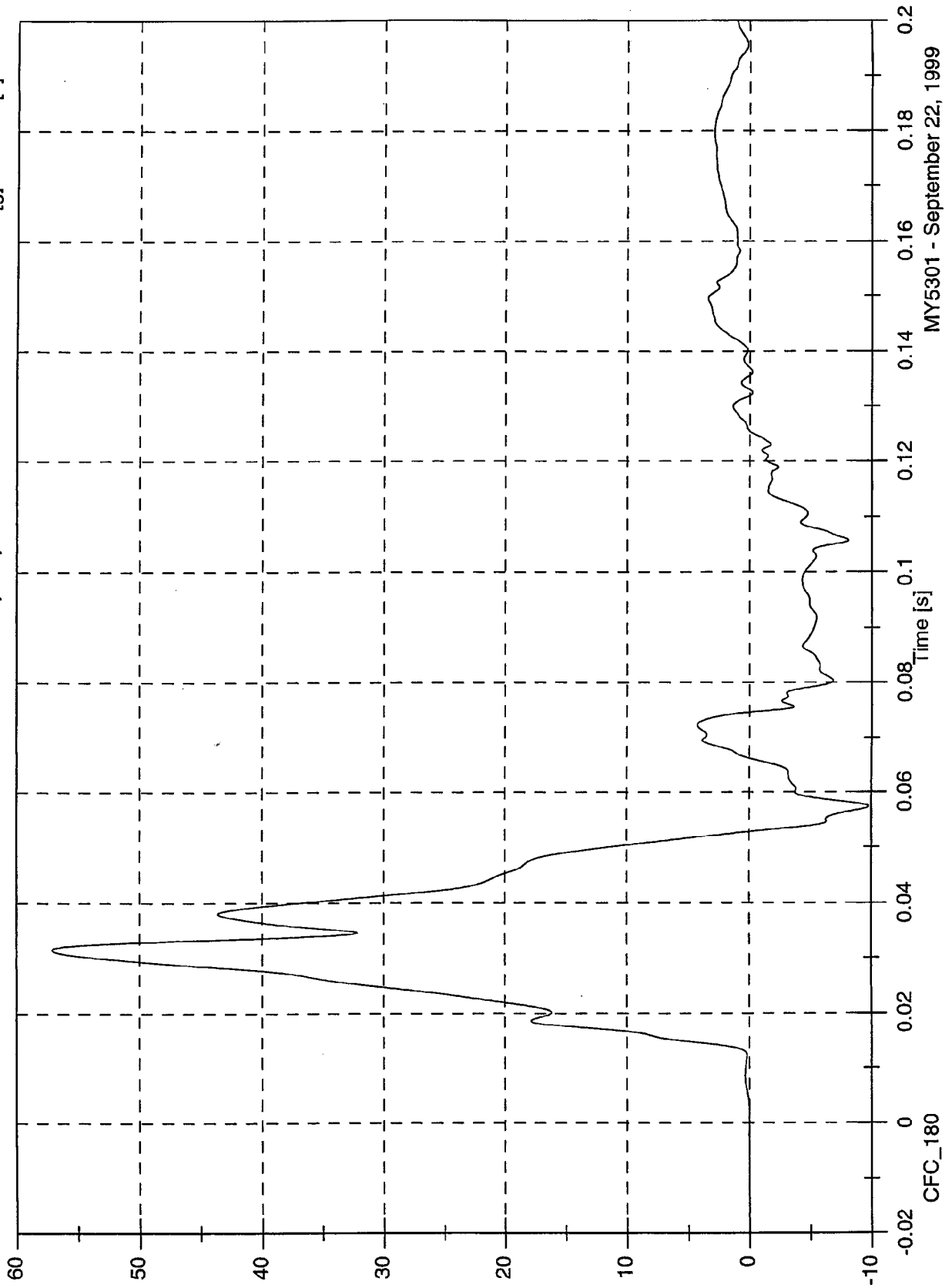


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 57.1 [g] at 0.031 [s]
Min: -9.8 [g] at 0.057 [s]

P1 Lower Spine y



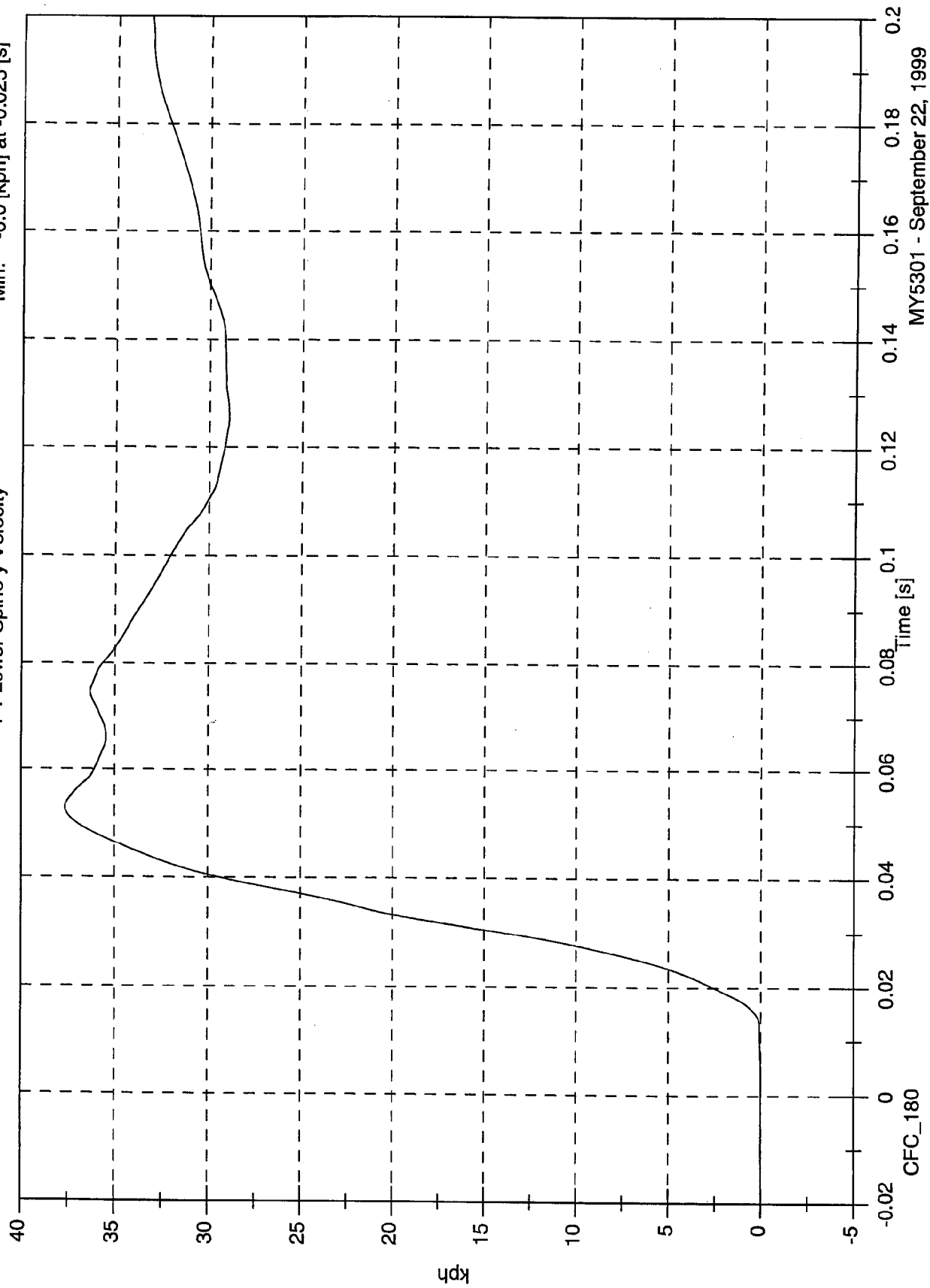
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 37.6 [kph] at 0.053 [s]

Min: -0.0 [kph] at -0.025 [s]

P1 Lower Spine y Velocity

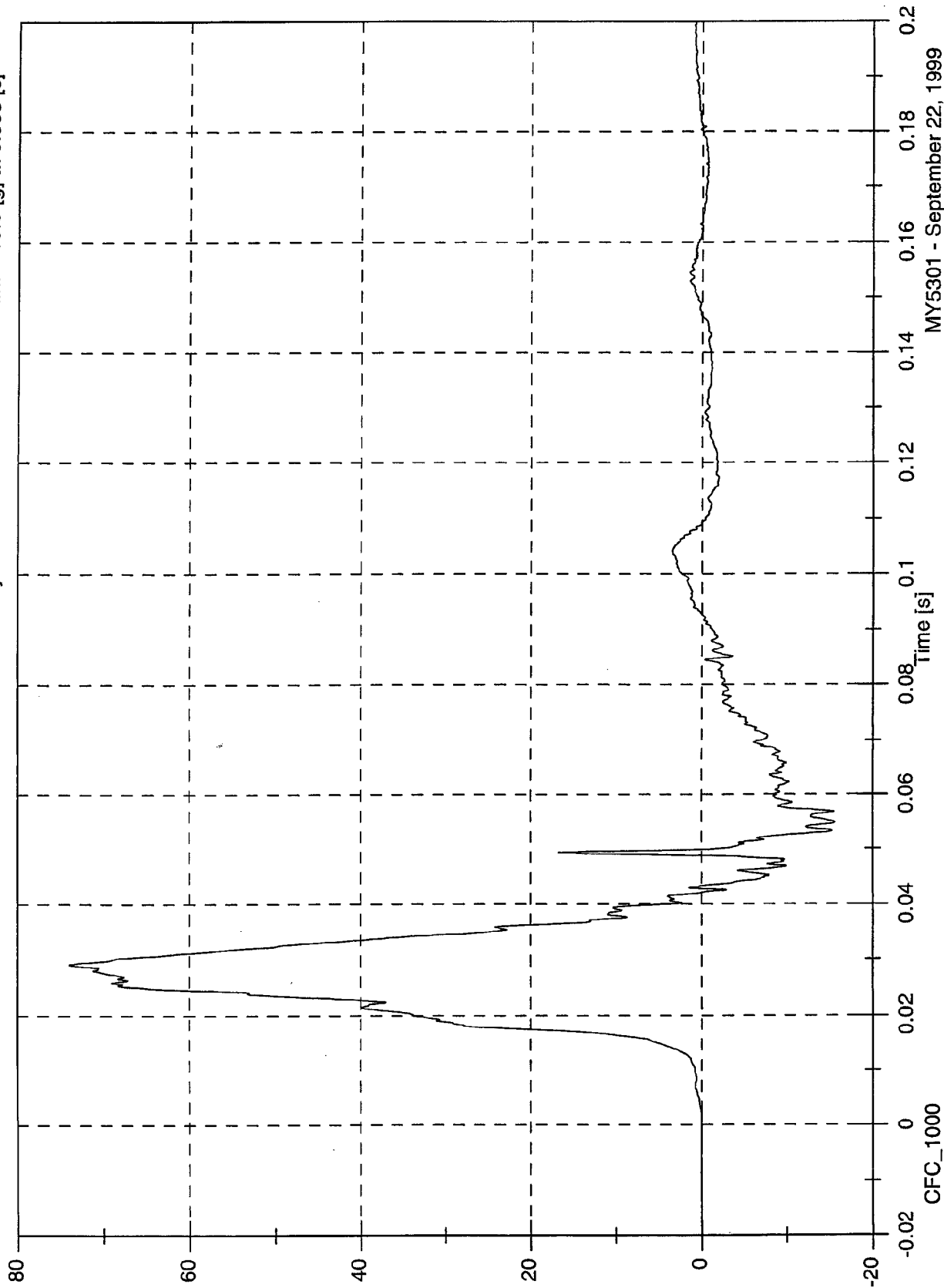


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 73.9 [g] at 0.029 [s]
Min: -15.6 [g] at 0.055 [s]

P1 Pelvic y

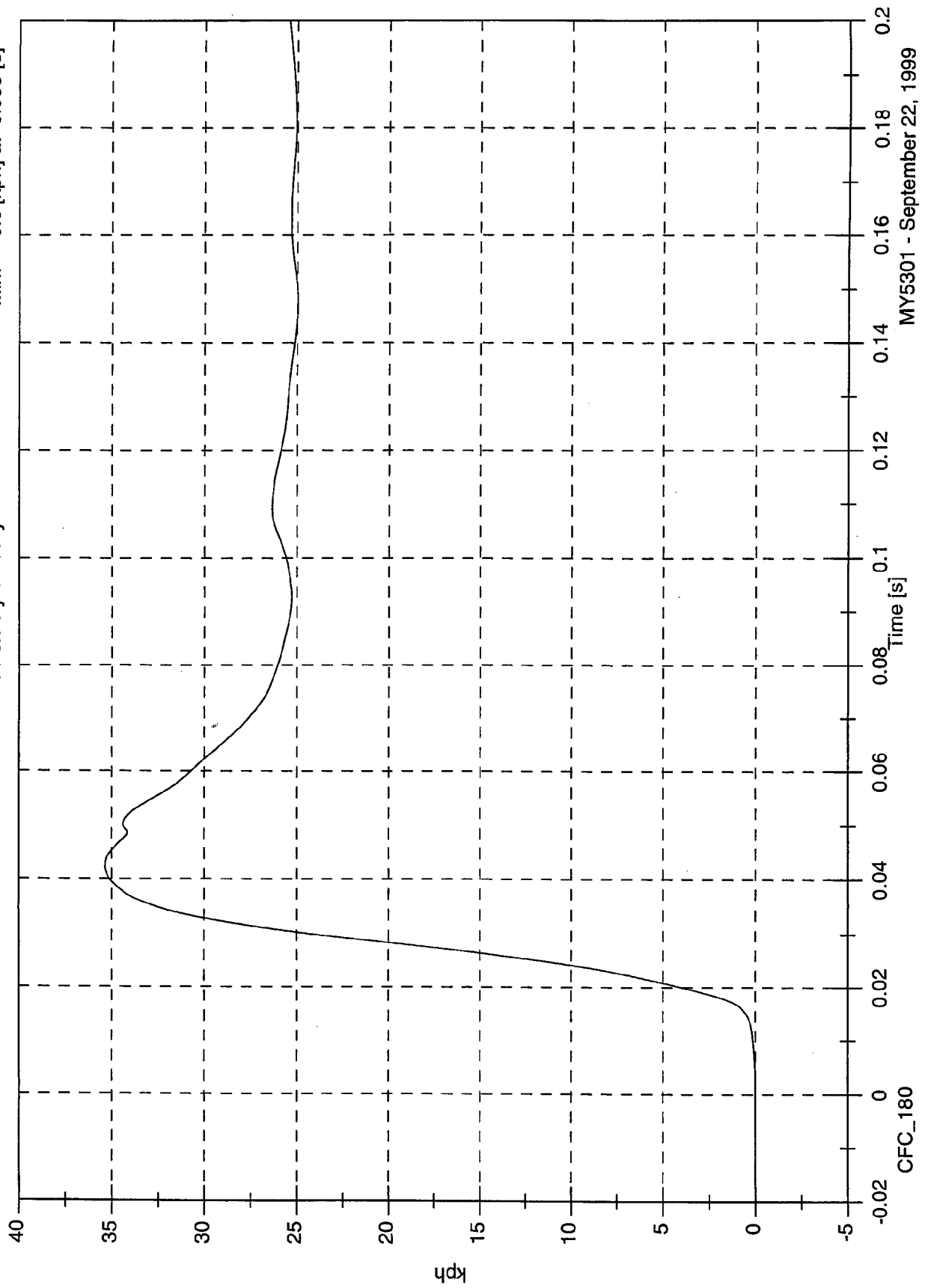


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 35.4 [kph] at 0.042 [s]
Min: -0.0 [kph] at -0.033 [s]

P1 Pelvic y Velocity

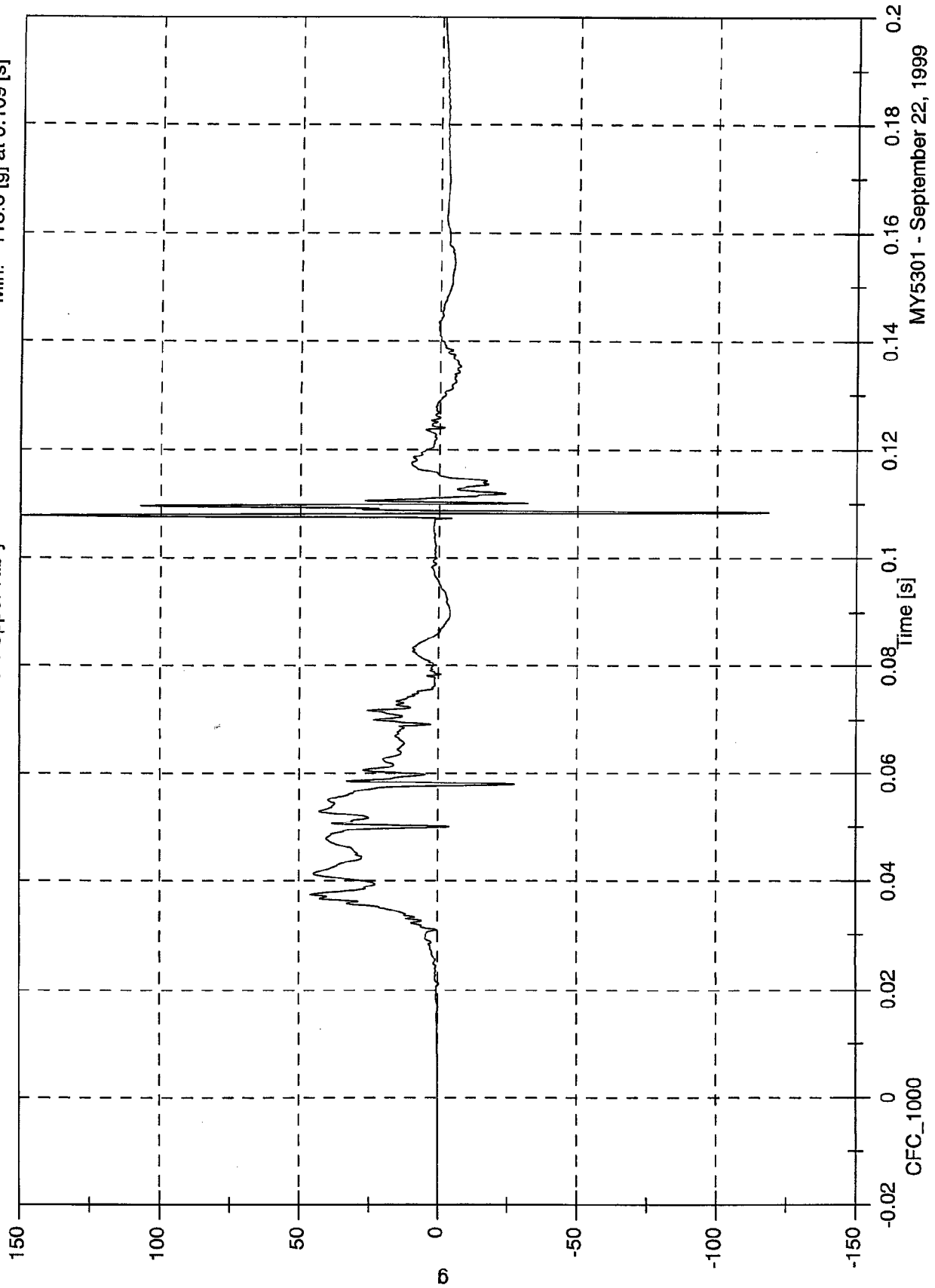


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 149.6 [g] at 0.108 [s]
Min: -118.6 [g] at 0.109 [s]

P4 Upper Rib y



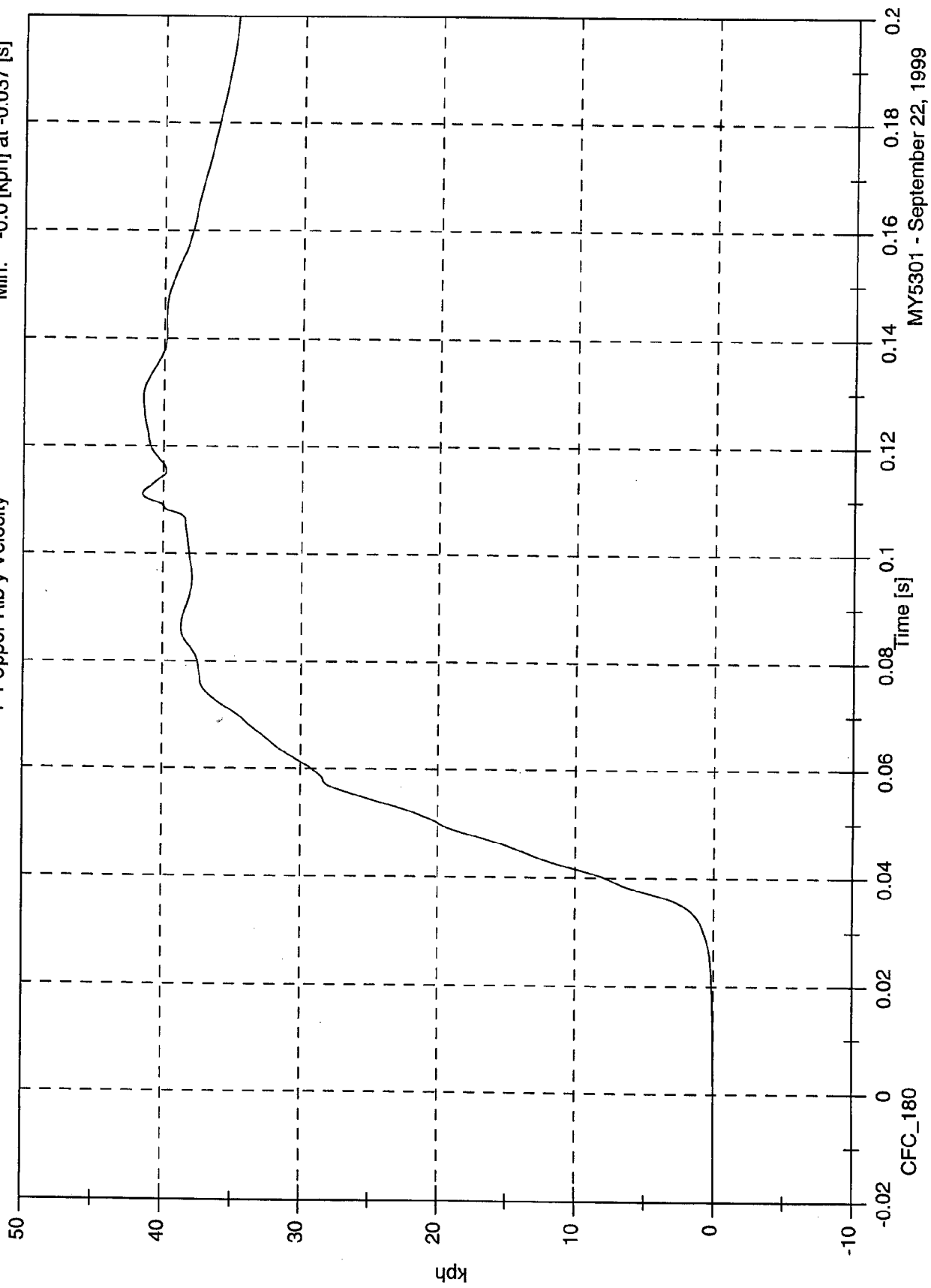
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 41.5 [kph] at 0.111 [s]

Min: -0.0 [kph] at -0.037 [s]

P4 Upper Rib y Velocity

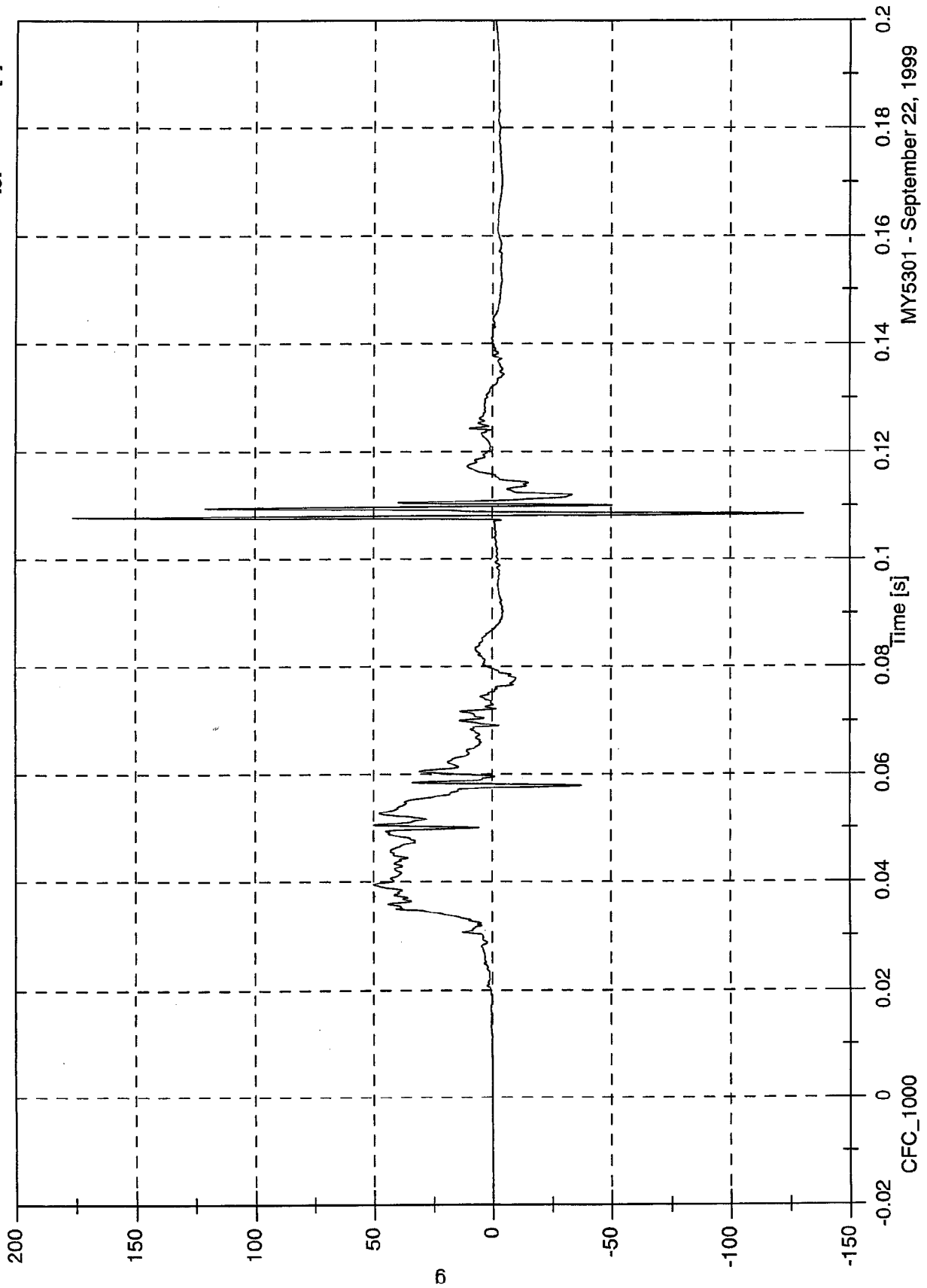


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 176.2 [g] at 0.108 [s]
Min: -130.5 [g] at 0.108 [s]

P4 Lower Rib y

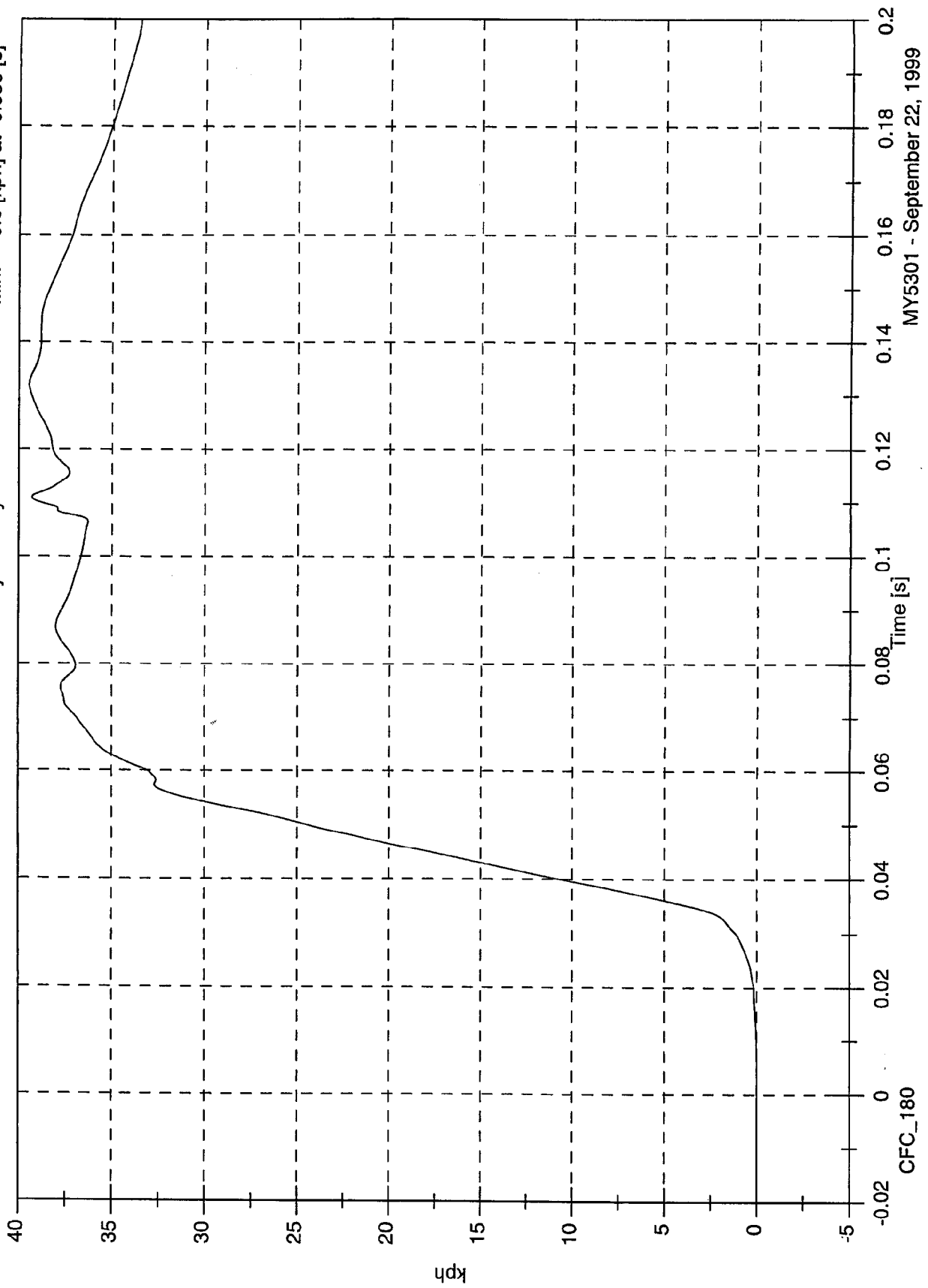


SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 39.5 [kph] at 0.132 [s]

Min: -0.0 [kph] at -0.050 [s]

P4 Lower Rib y Velocity

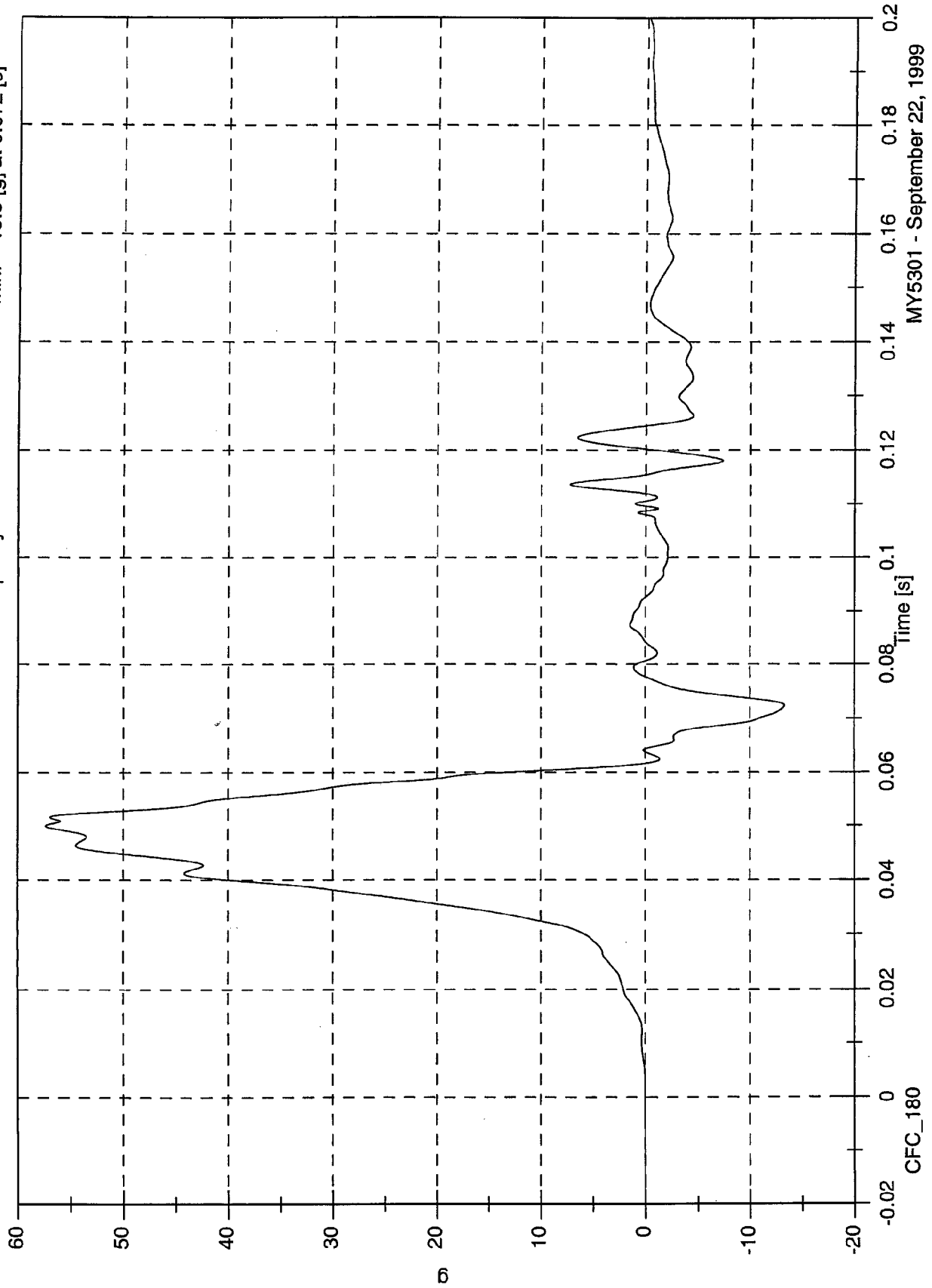


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 57.4 [g] at 0.050 [s]
Min: -13.3 [g] at 0.072 [s]

P4 Lower Spine y

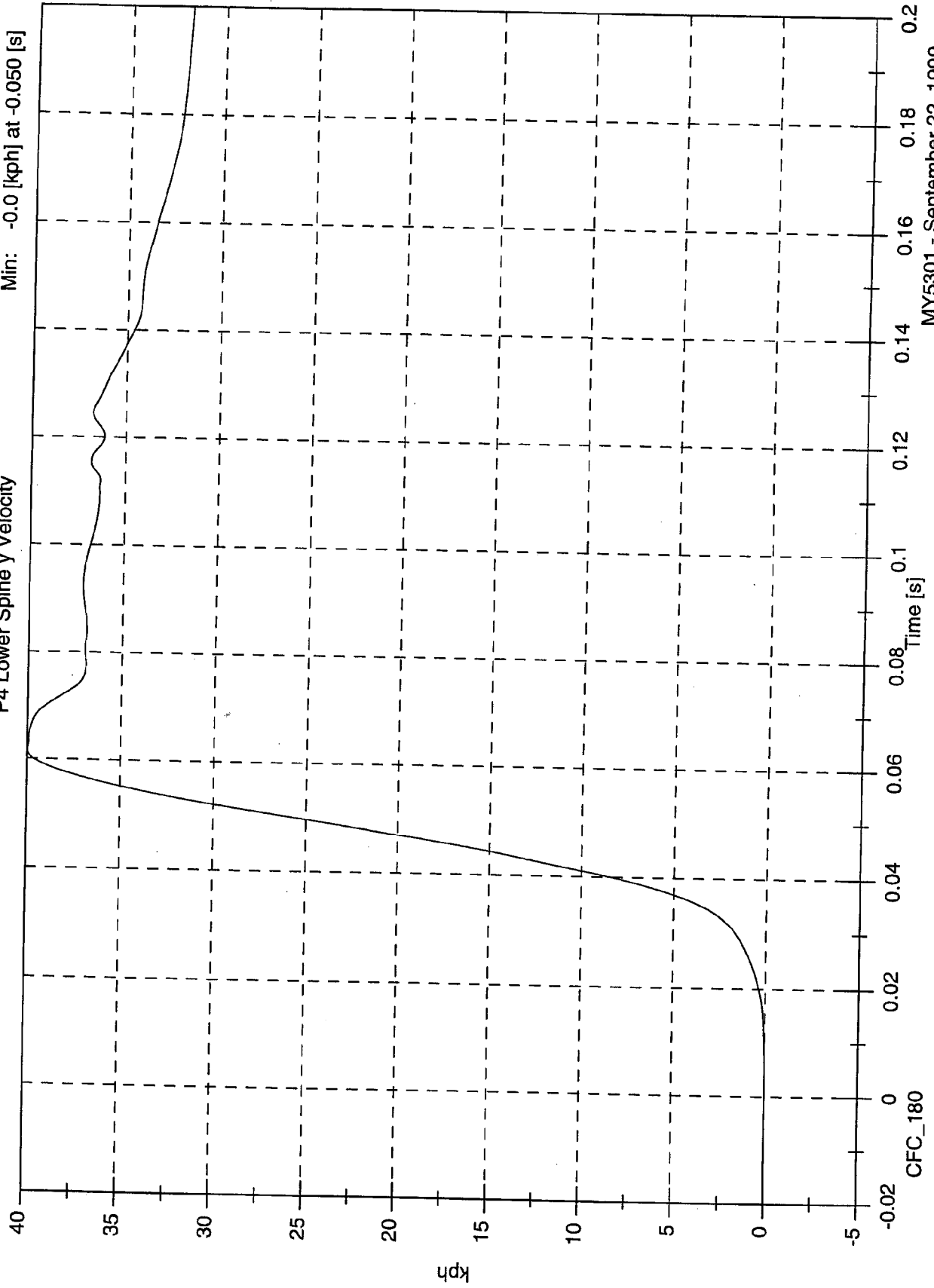


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 40.0 [kph] at 0.062 [s]
 Min: -0.0 [kph] at -0.050 [s]

P4 Lower Spine y Velocity

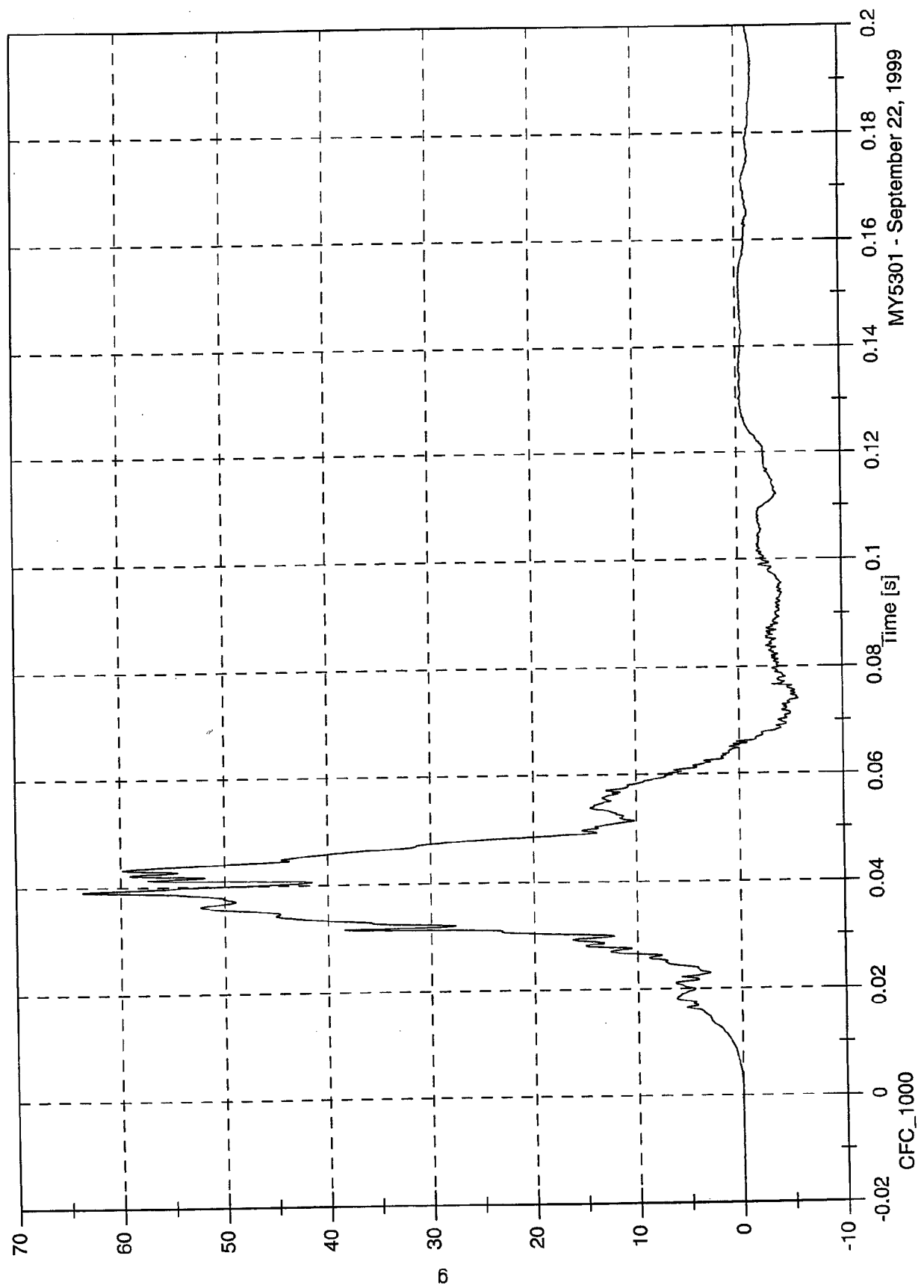


MY5301 - September 22, 1999

Max: 63.7 [g] at 0.039 [s]
Min: -5.7 [g] at 0.074 [s]

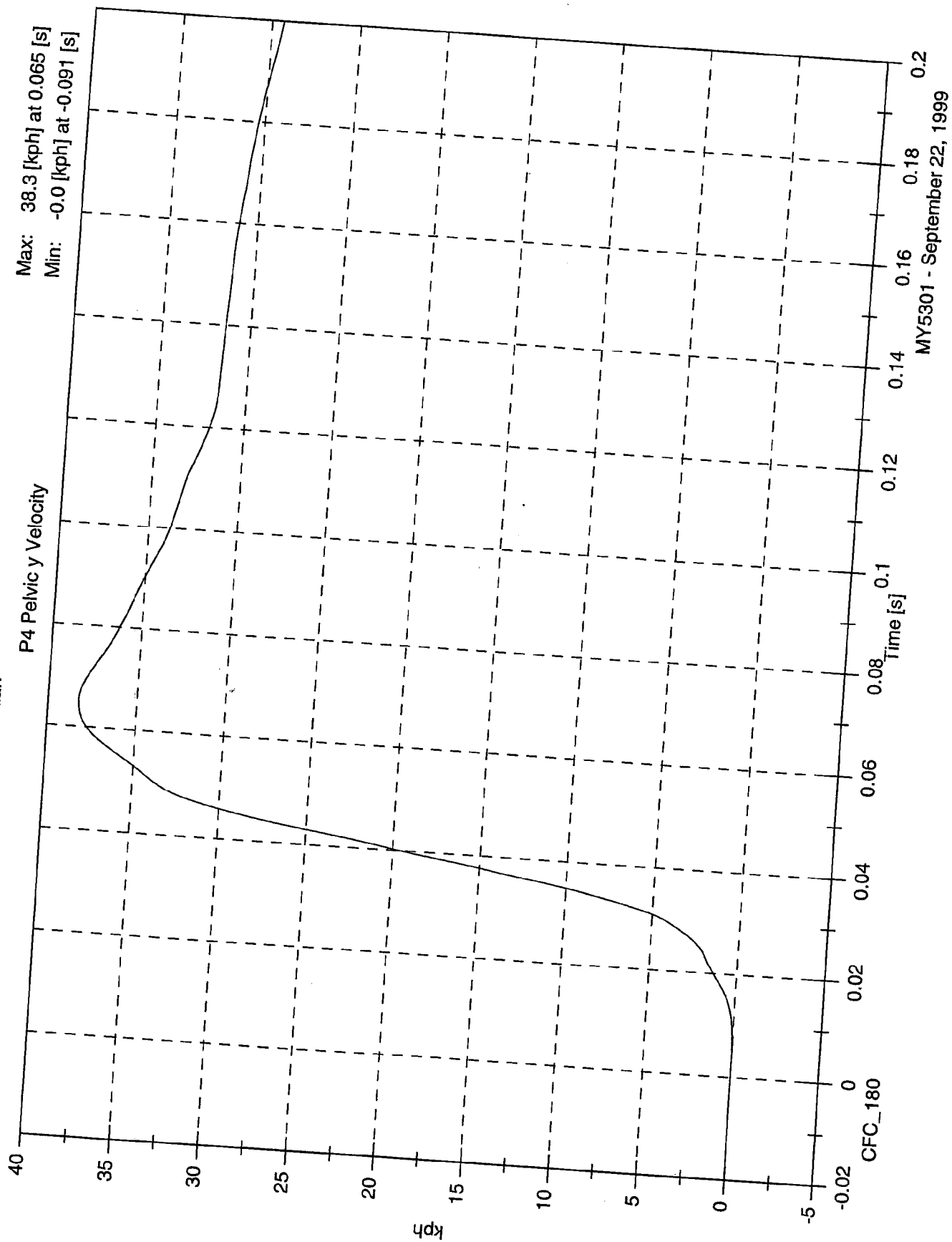
SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

P4 Pelvic y



MY5301 - September 22, 1999

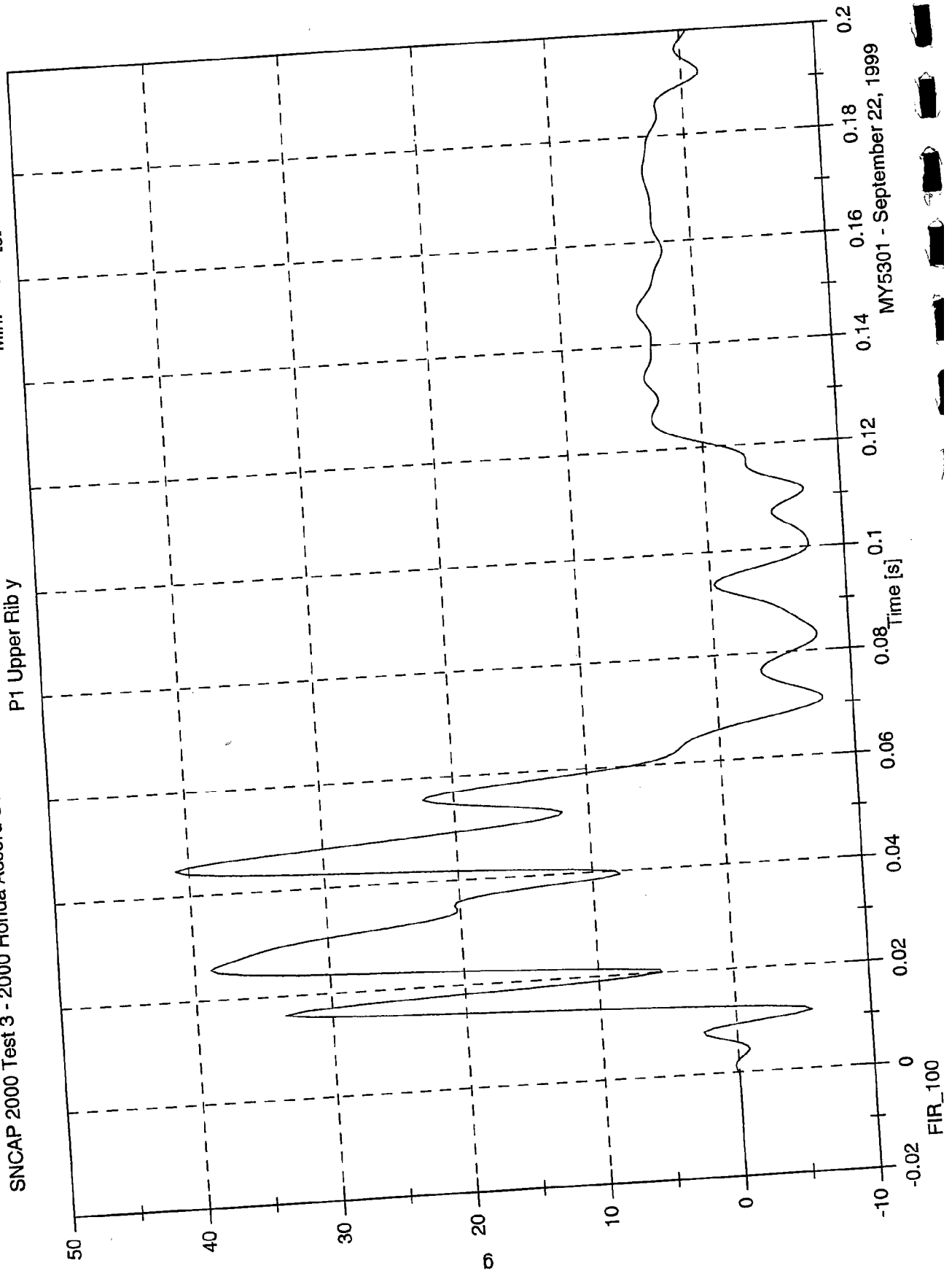
SNCAP 2000 Test 3 - 2000 Honda Accord Sedan



Max: 41.0 [g] at 0.045 [s]
Min: -7.8 [g] at 0.071 [s]

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

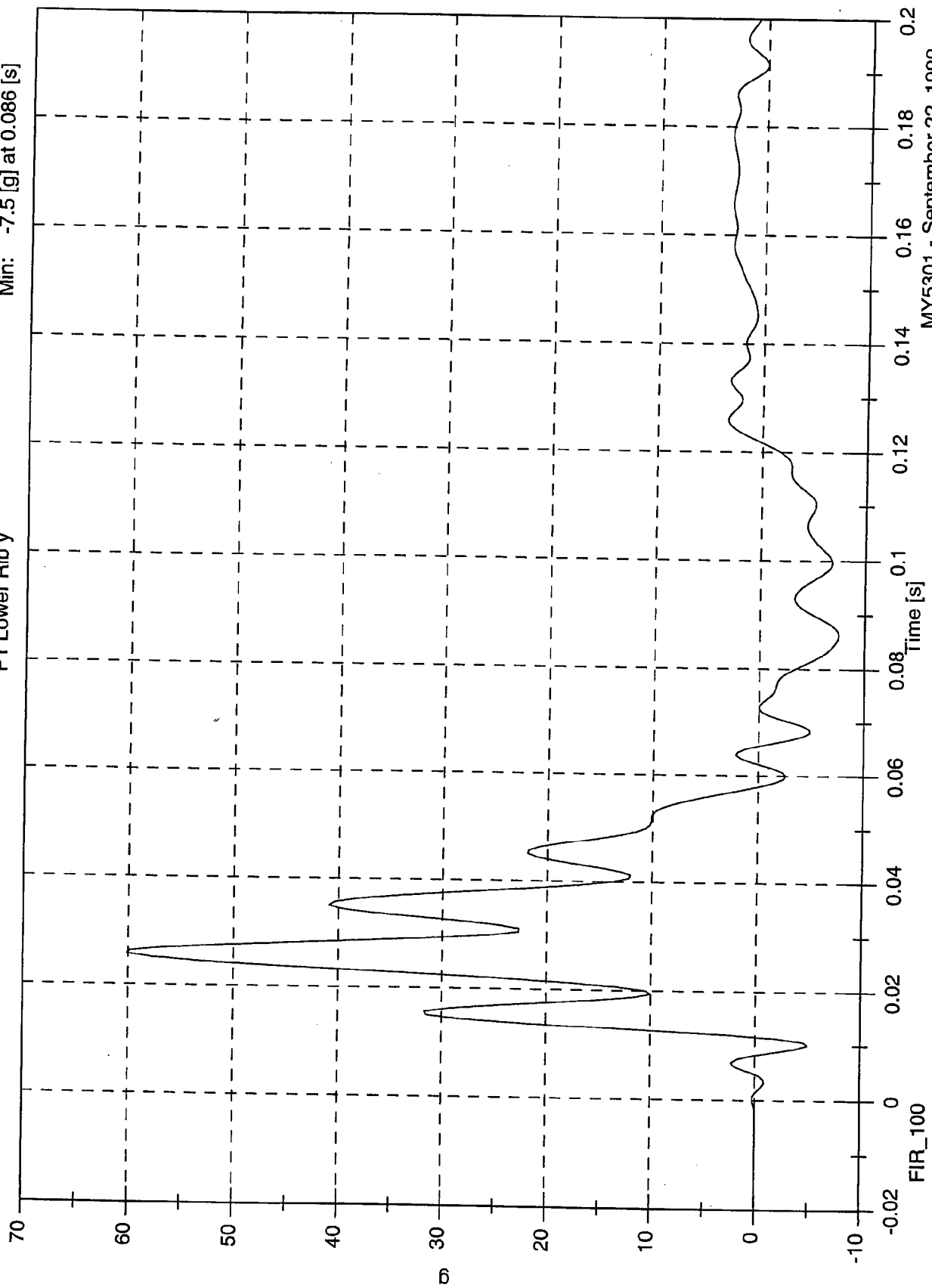
P1 Upper Rib y



SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 60.1 [g] at 0.026 [s]
 Min: -7.5 [g] at 0.086 [s]

P1 Lower Rib y

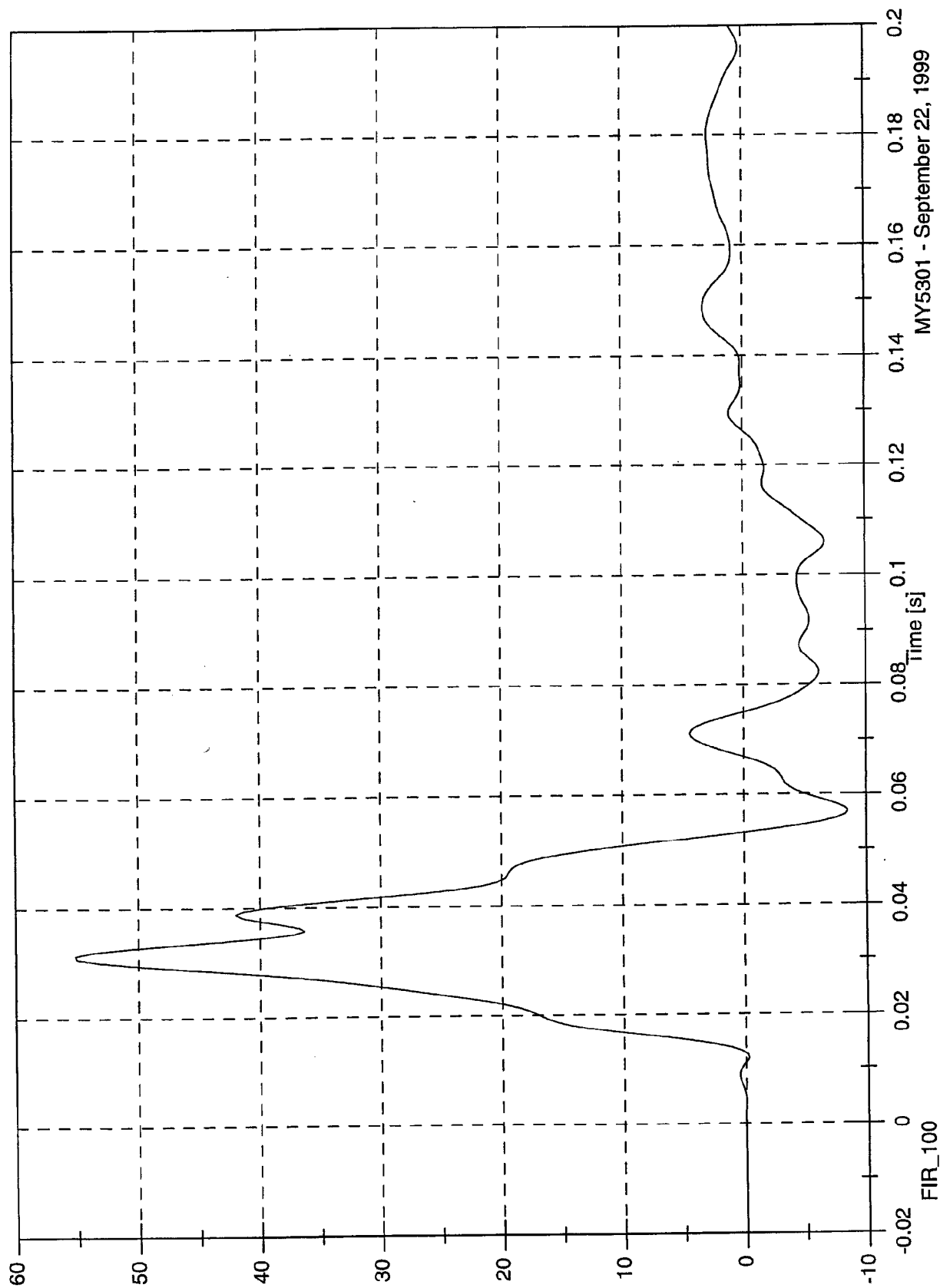


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 55.2 [g] at 0.031 [s]
Min: -8.5 [g] at 0.057 [s]

P1 Lower Spine y

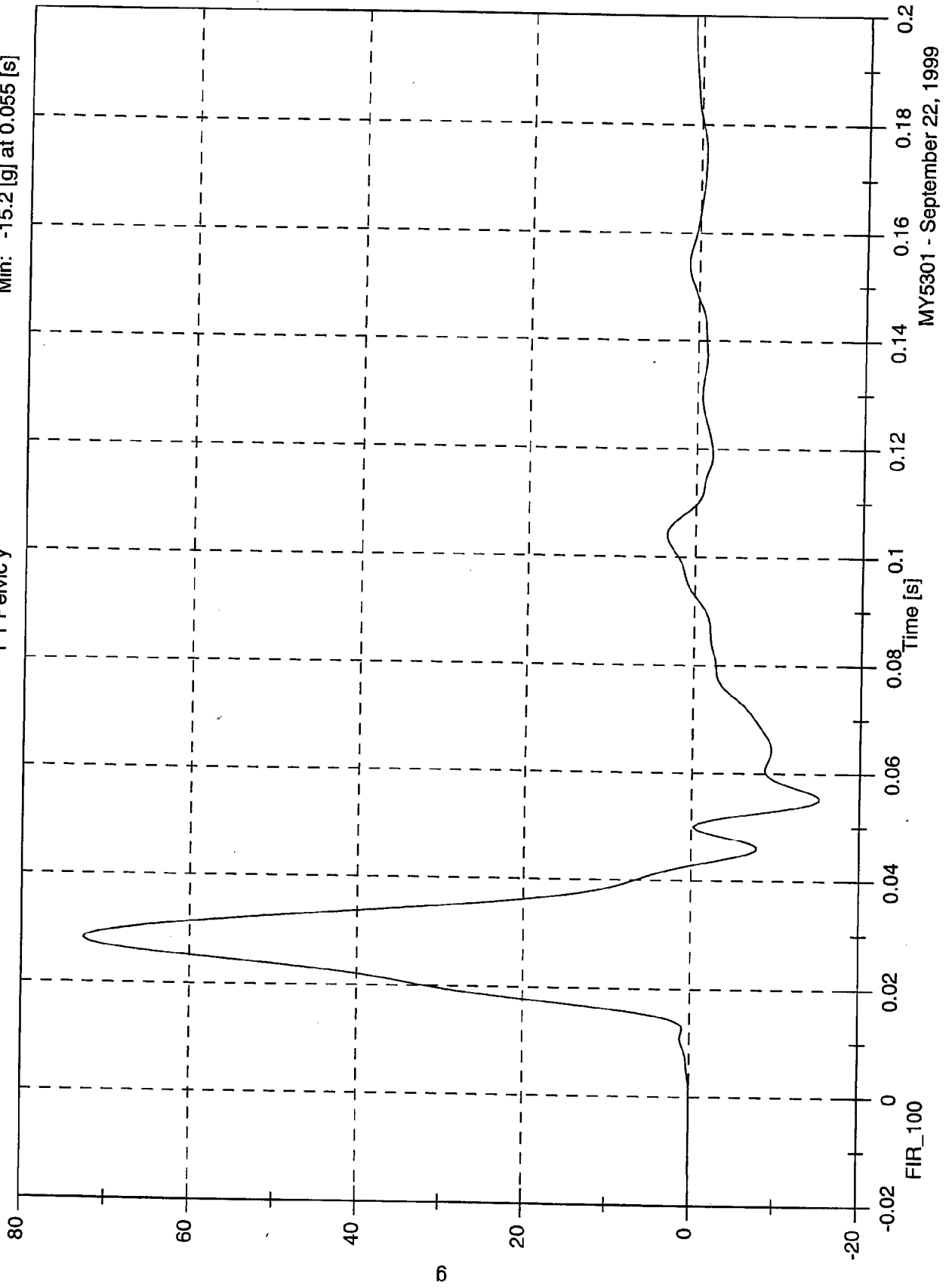


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 72.7 [g] at 0.028 [s]
Min: -15.2 [g] at 0.055 [s]

P1 Pelvicy

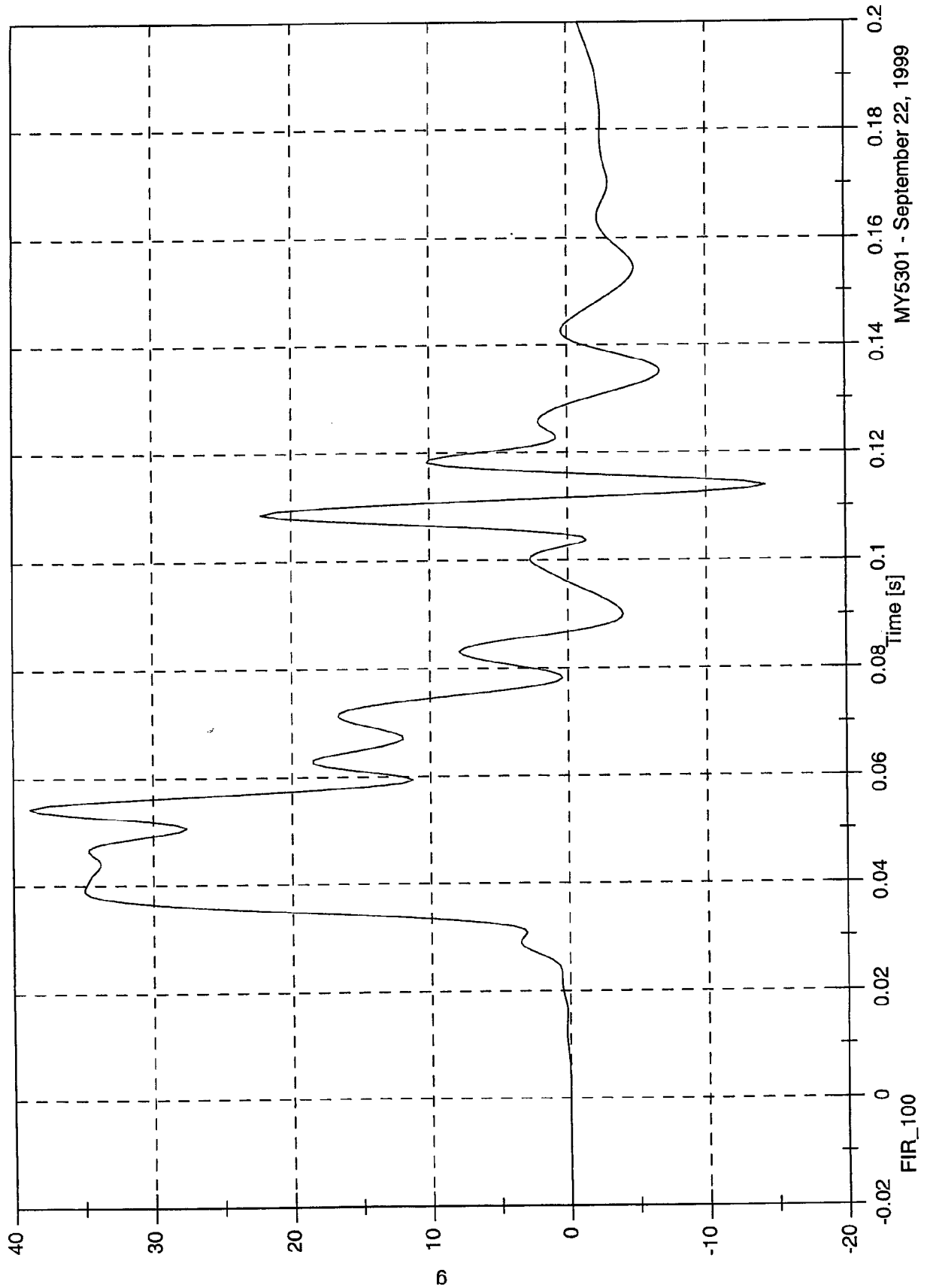


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

P4 Upper Rib y

Max: 38.8 [g] at 0.054 [s]
Min: -14.3 [g] at 0.114 [s]

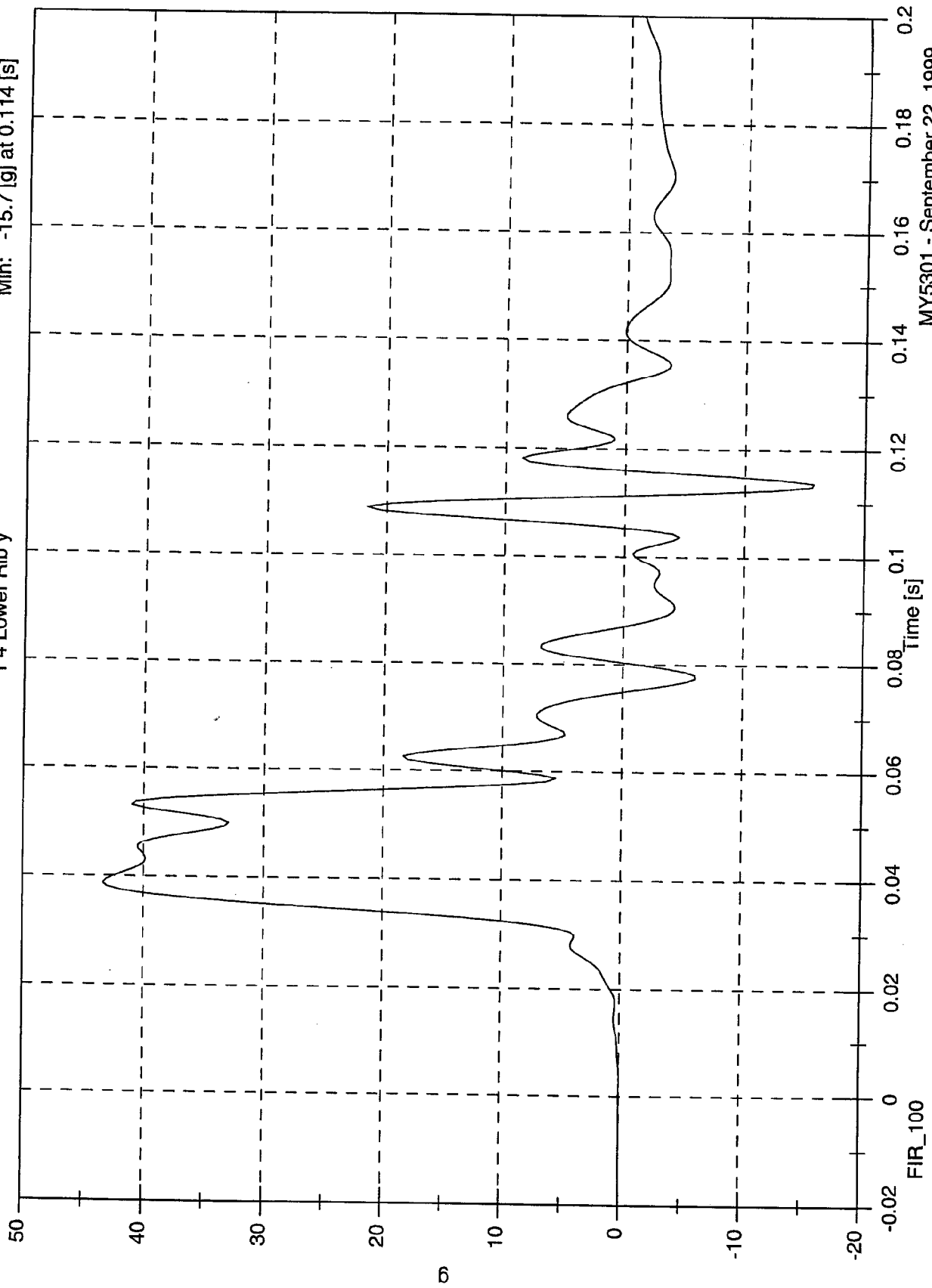


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 43.4 [g] at 0.039 [s]
Min: -15.7 [g] at 0.114 [s]

P4 Lower Rib y



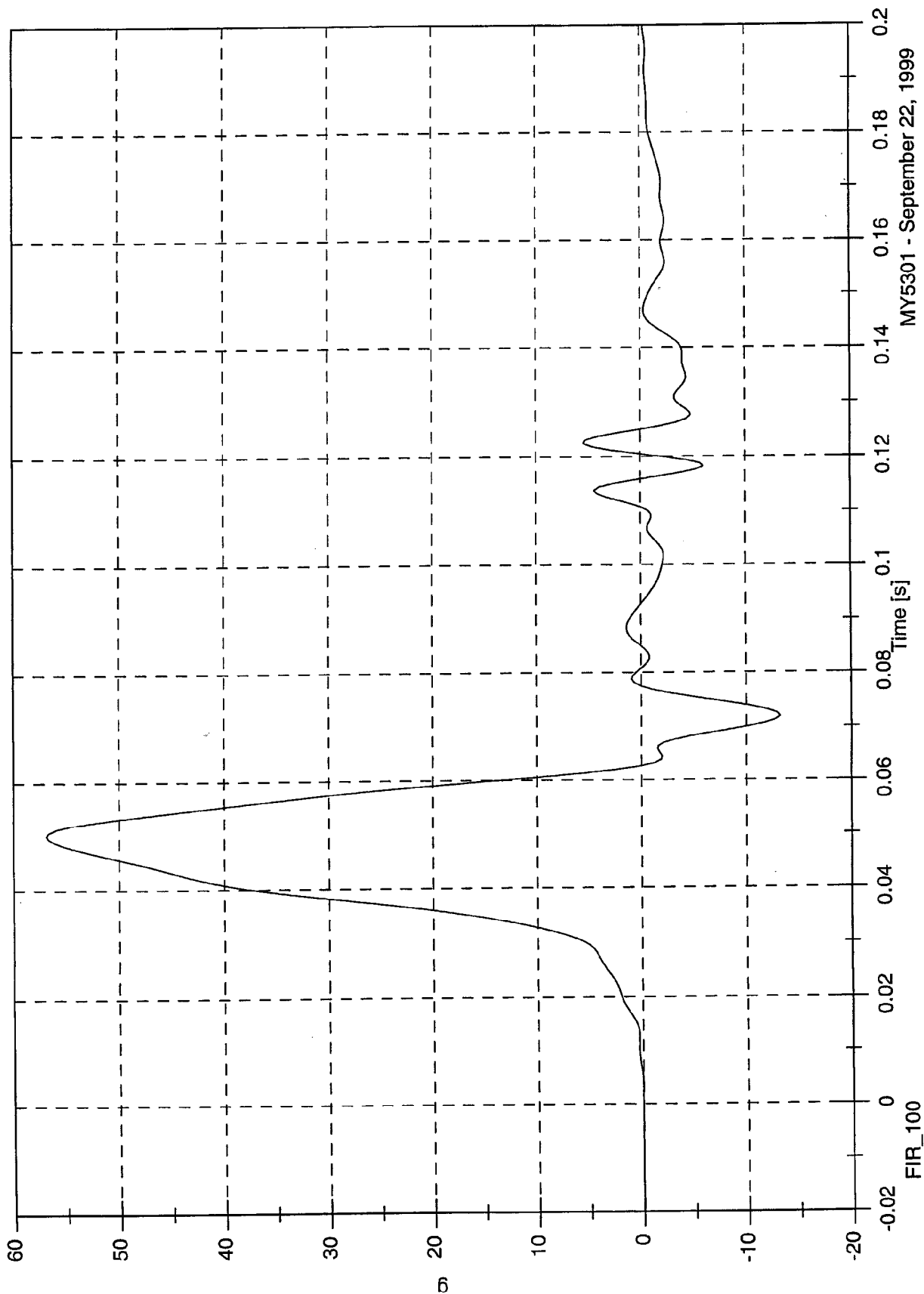
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 56.9 [g] at 0.050 [s]

Min: -13.2 [g] at 0.072 [s]

P4 Lower Spine y



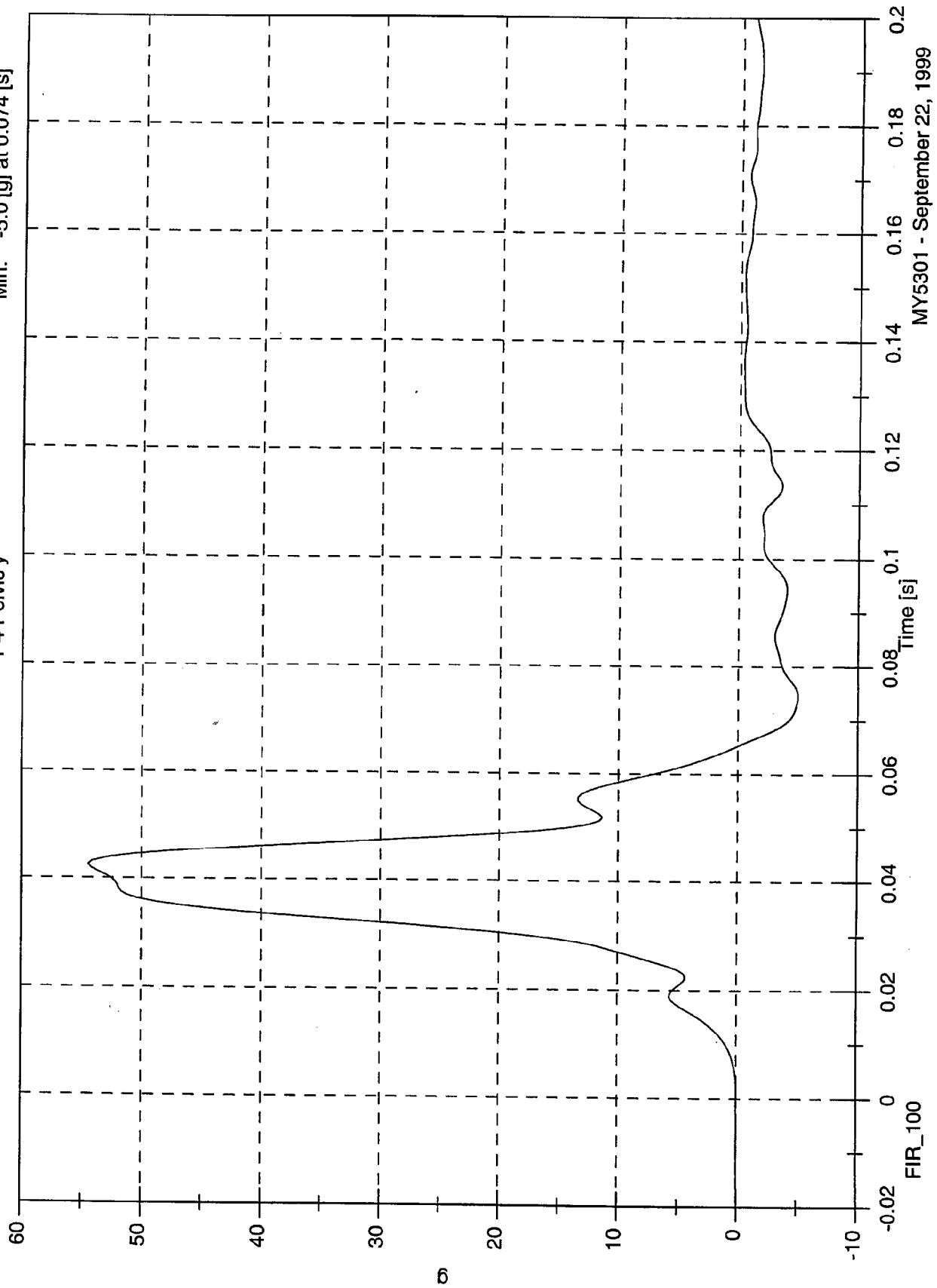
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 54.4 [g] at 0.043 [s]

Min: -5.0 [g] at 0.074 [s]

P4 Pelvic y

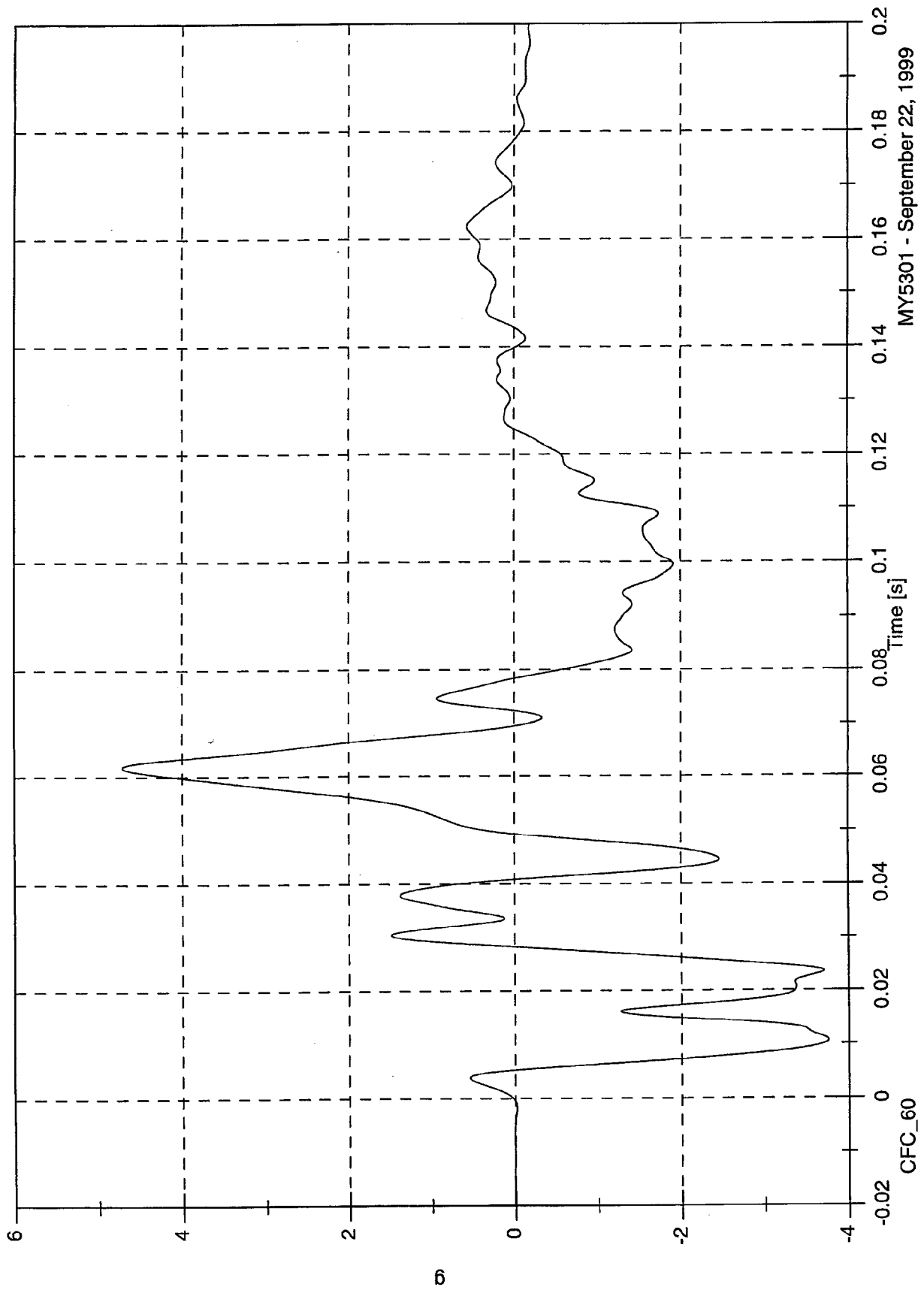


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 4.7 [g] at 0.062 [s]
Min: -3.8 [g] at 0.011 [s]

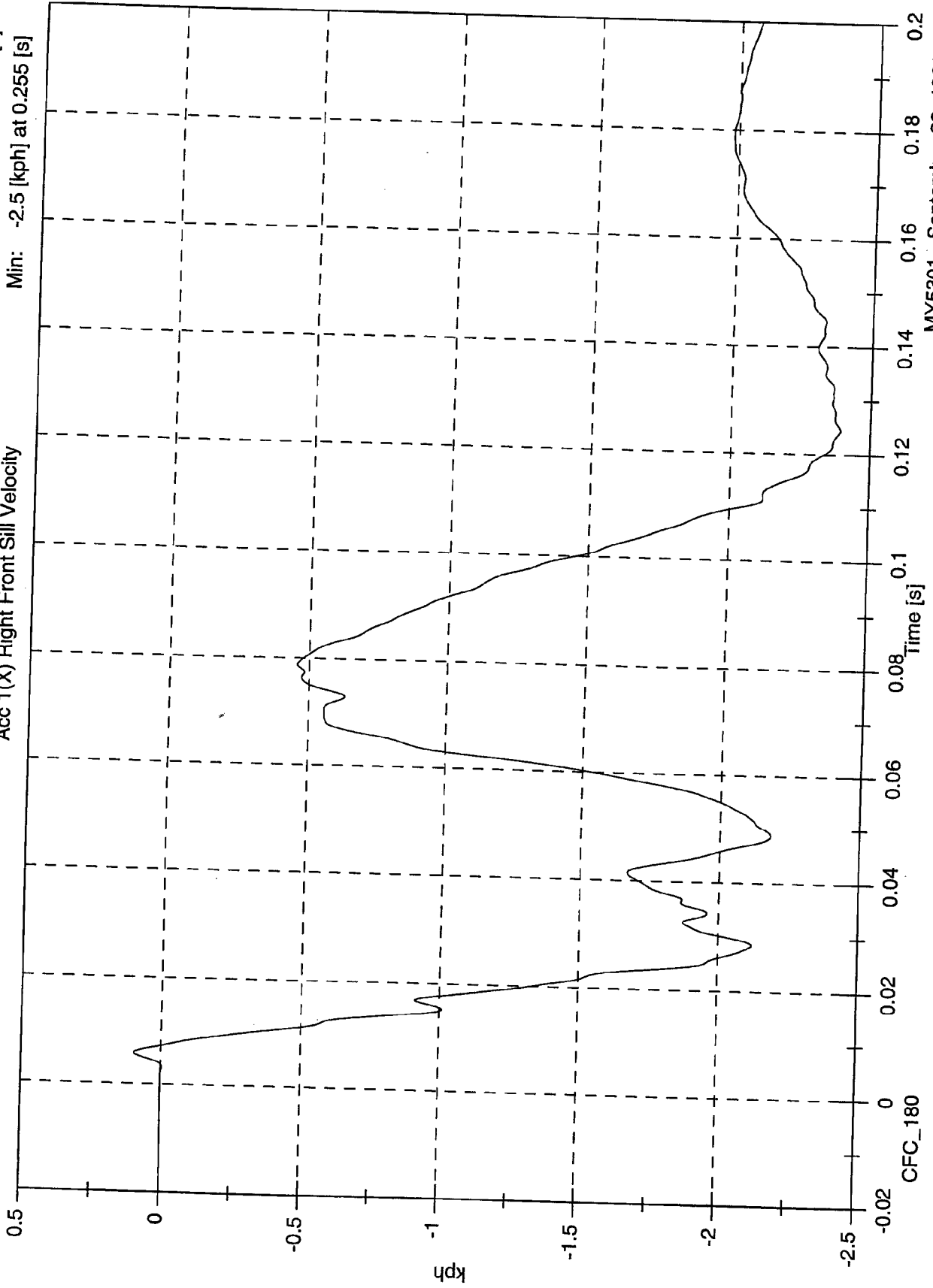
Acc 1(X) Right Front Sill



SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 0.1 [kph] at 0.006 [s]
 Min: -2.5 [kph] at 0.255 [s]

Acc 1(X) Right Front Sill Velocity

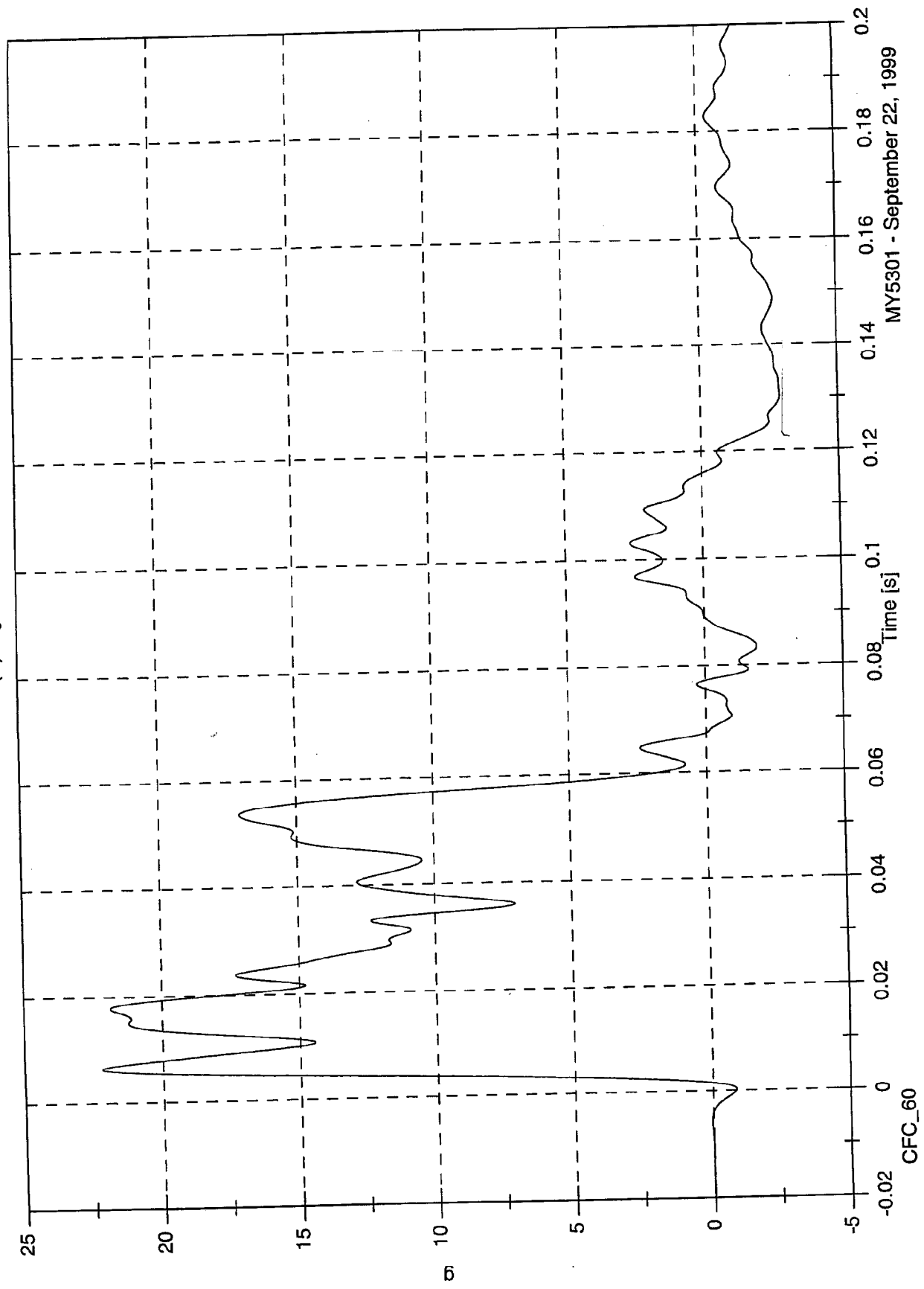


MY5301 - September 22, 1999

Max: 22.2 [g] at 0.007 [s]
Min: -2.9 [g] at 0.130 [s]

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 1(Y) Right Front Sill



MY5301 - September 22, 1999

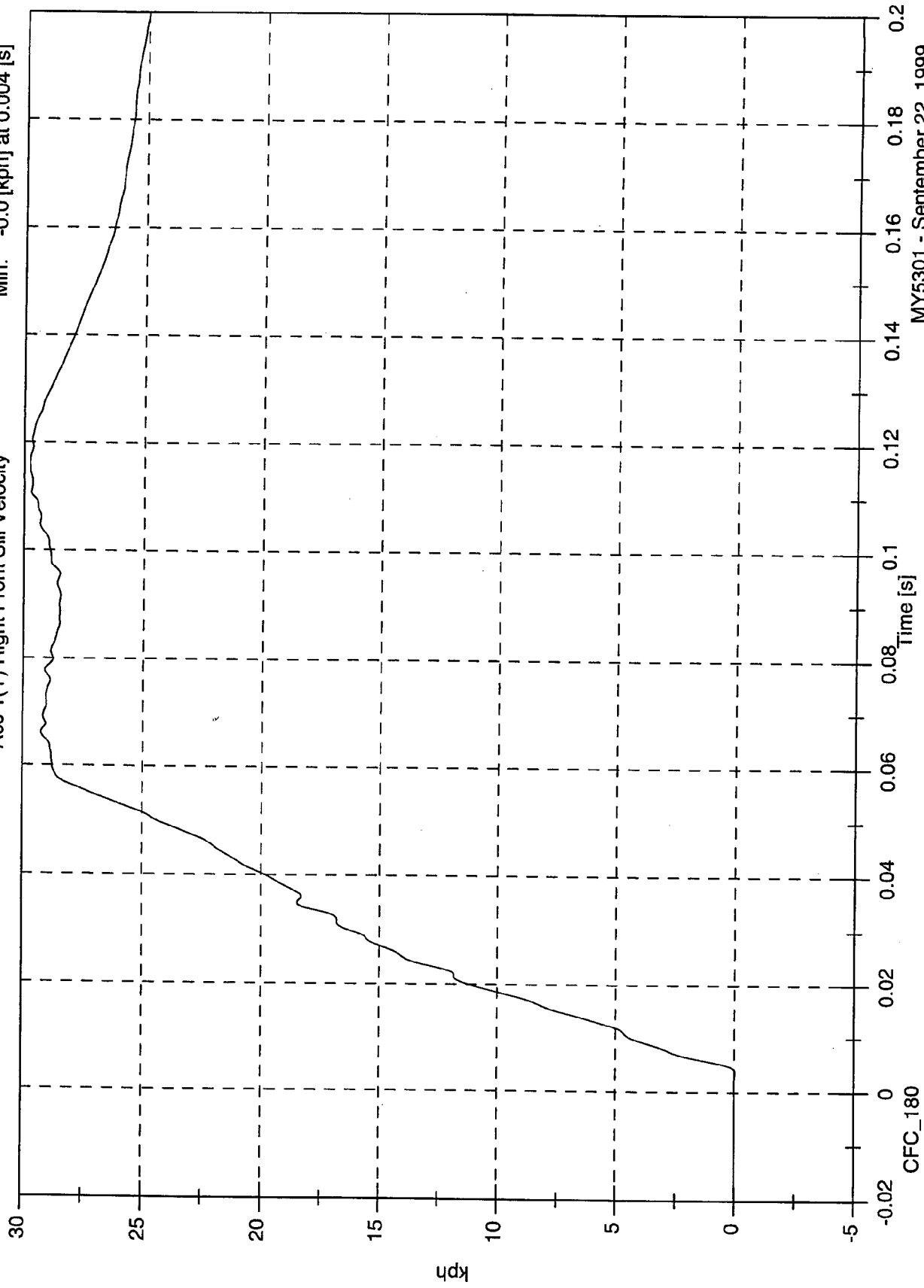
CFC_60

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 29.8 [kph] at 0.116 [s]

Min: -0.0 [kph] at 0.004 [s]

Acc 1(Y) Right Front Sill Velocity

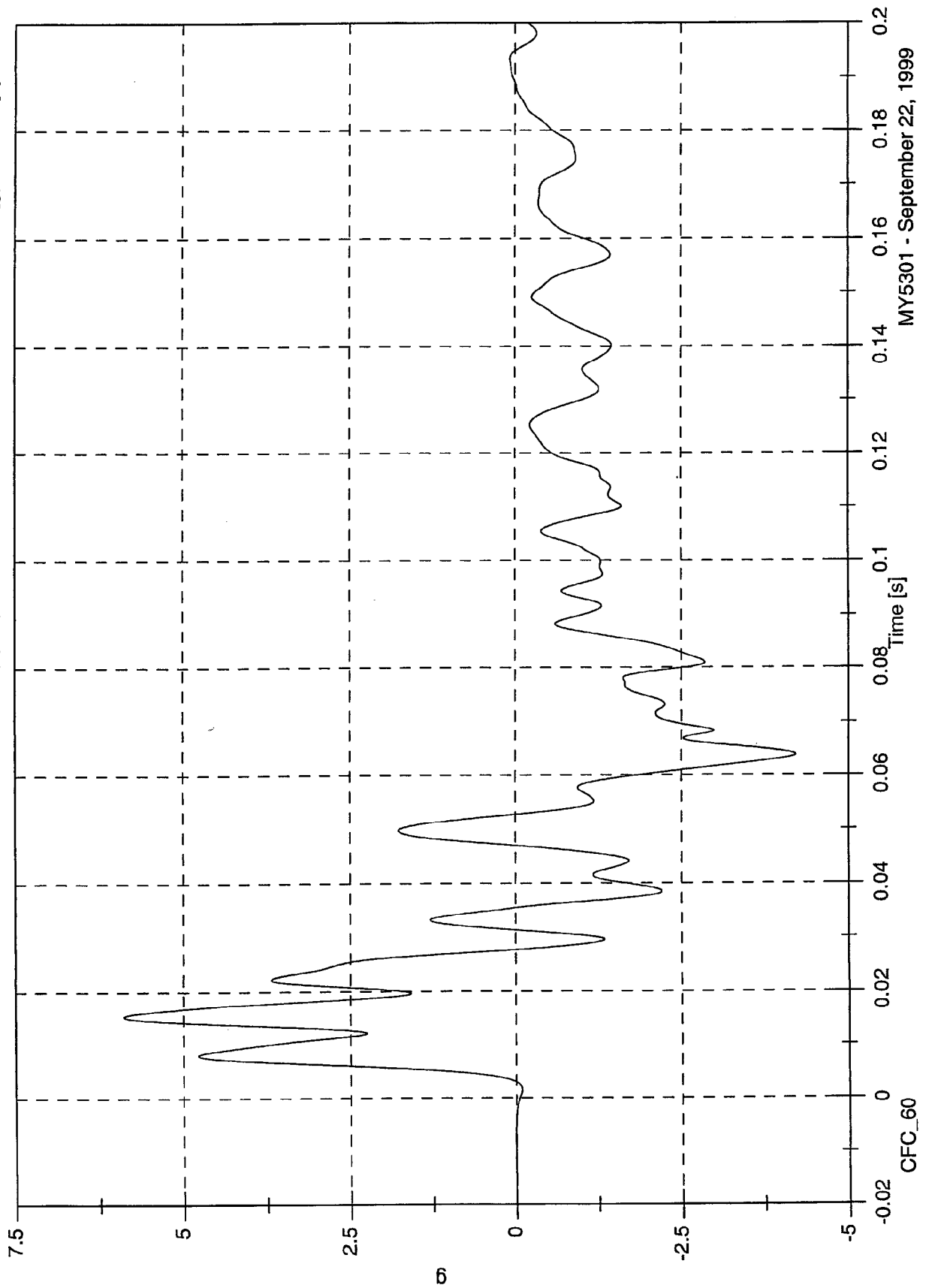


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 5.9 [g] at 0.015 [s]
Min: -4.2 [g] at 0.064 [s]

Acc 1(Z) Right Front Sill



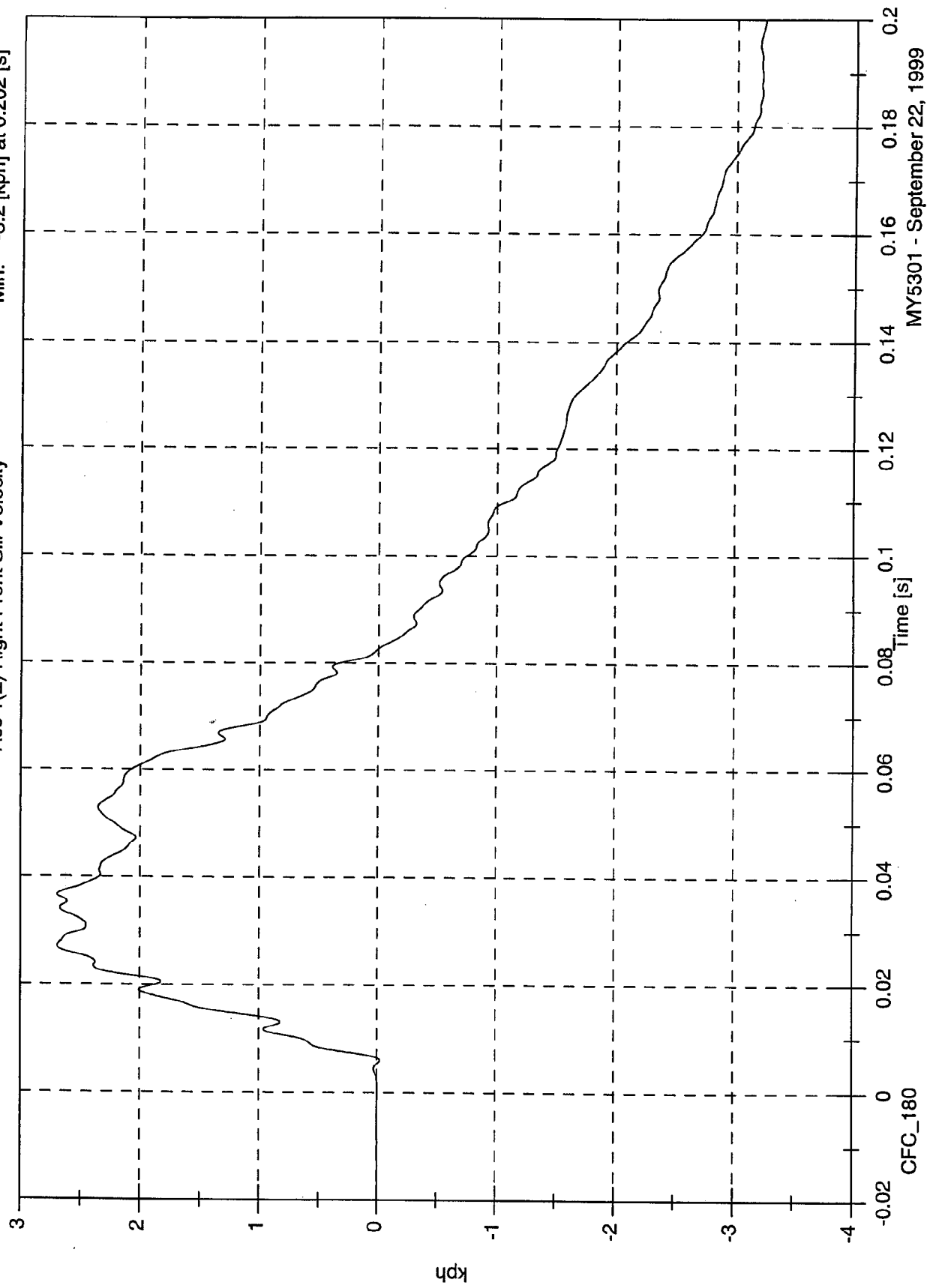
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 2.7 [kph] at 0.037 [s]

Min: -3.2 [kph] at 0.202 [s]

Acc 1(Z) Right Front Sill Velocity

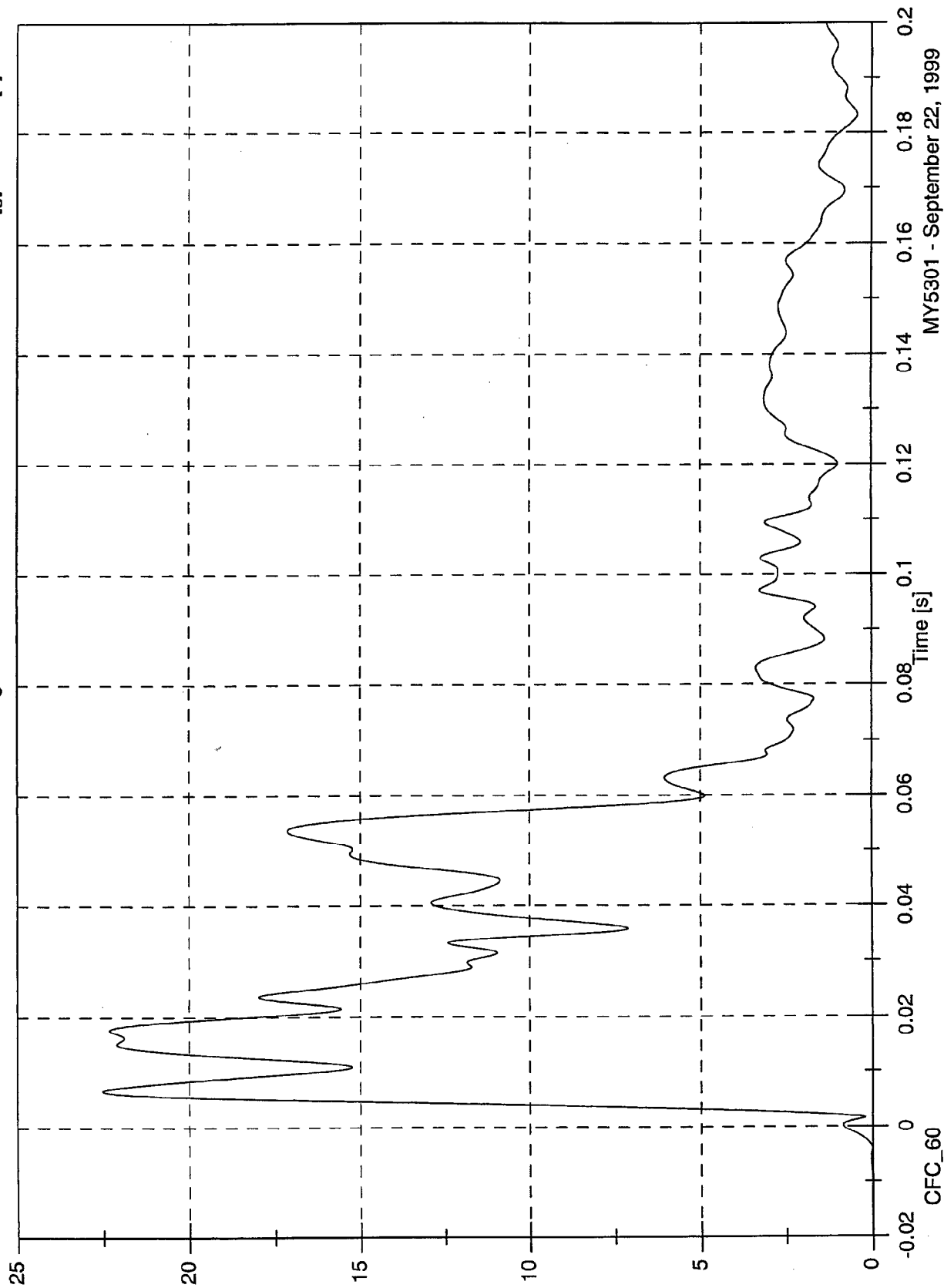


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 1 Right Front Sill Resultant

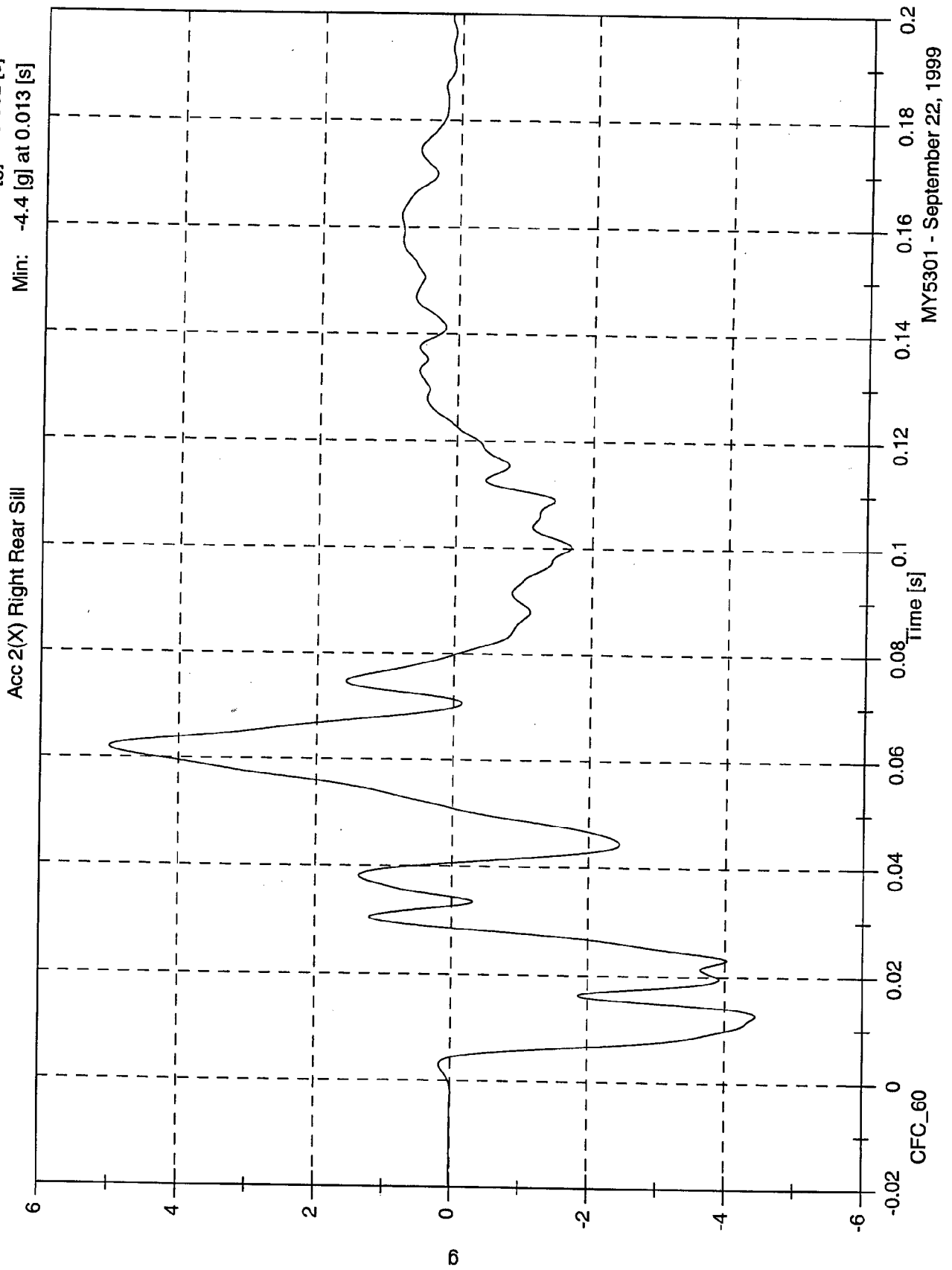
Max: 22.5 [g] at 0.007 [s]
Min: 0.0 [g] at -0.058 [s]



MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 5.0 [g] at 0.062 [s]
 Min: -4.4 [g] at 0.013 [s]

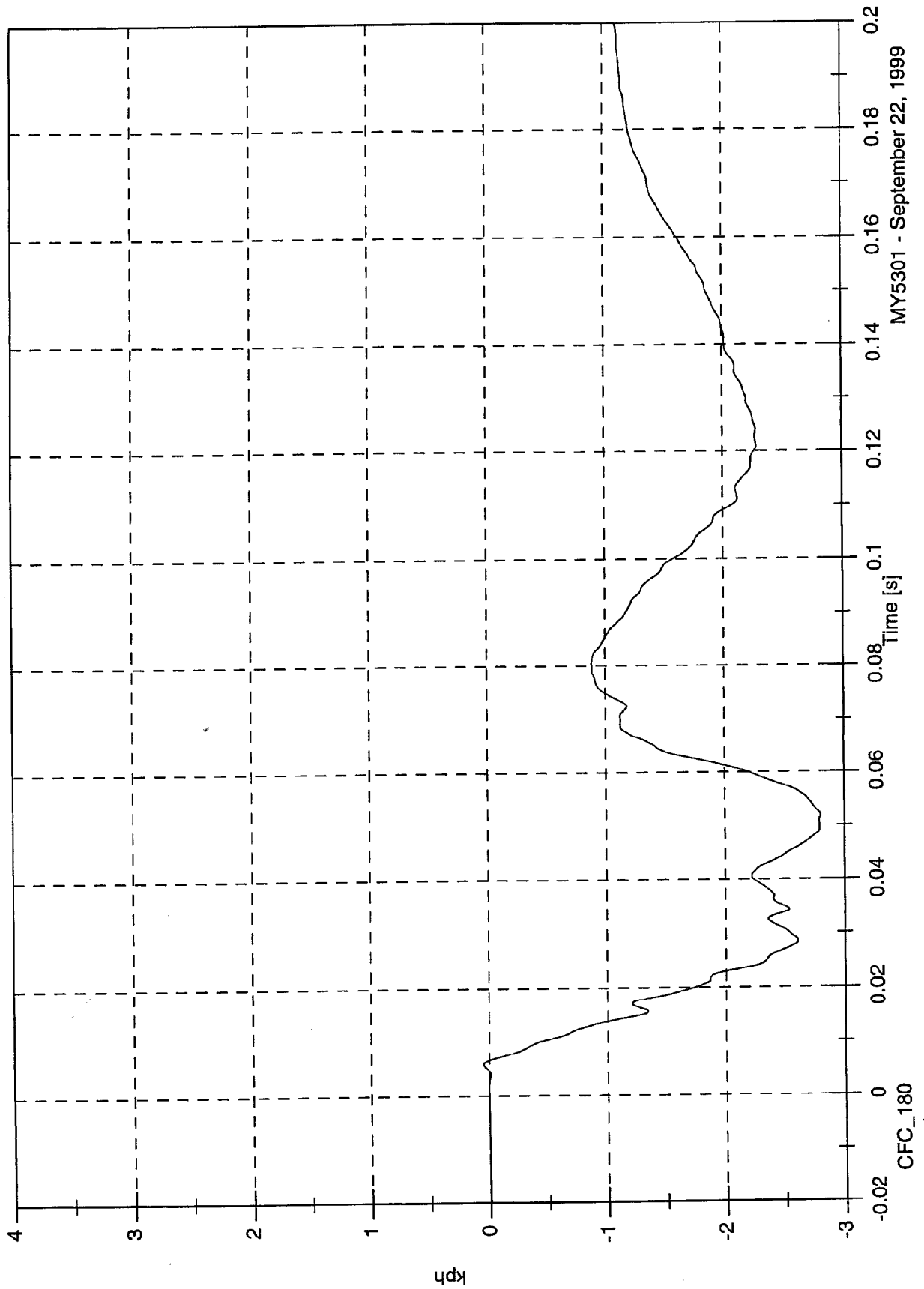


SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 3.1 [kph] at 0.500 [s]

Min: -2.8 [kph] at 0.052 [s]

Acc 2(X) Right Rear Sill Velocity

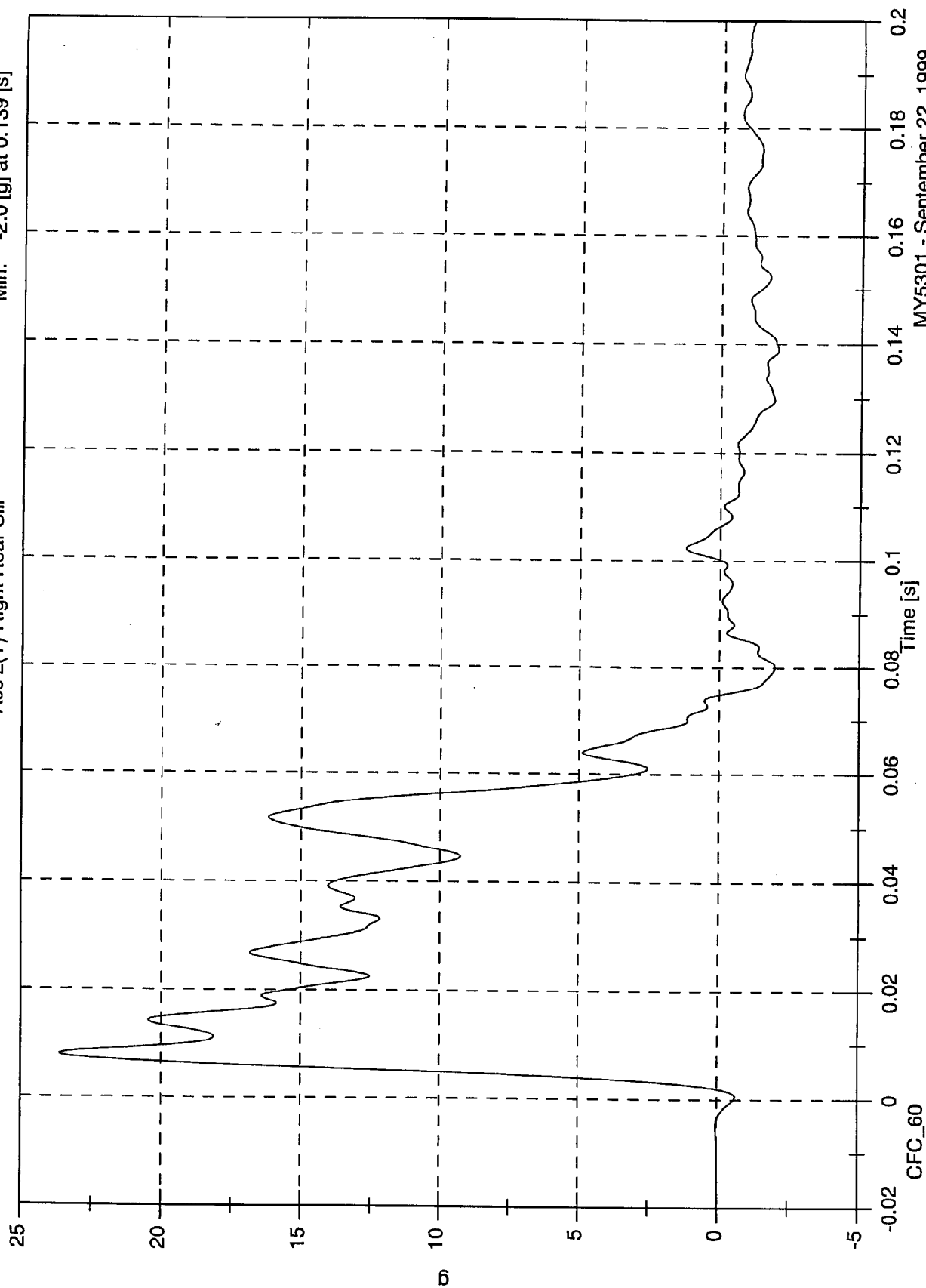


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 23.6 [g] at 0.008 [s]
 Min: -2.0 [g] at 0.139 [s]

Acc 2(Y) Right Rear Sill



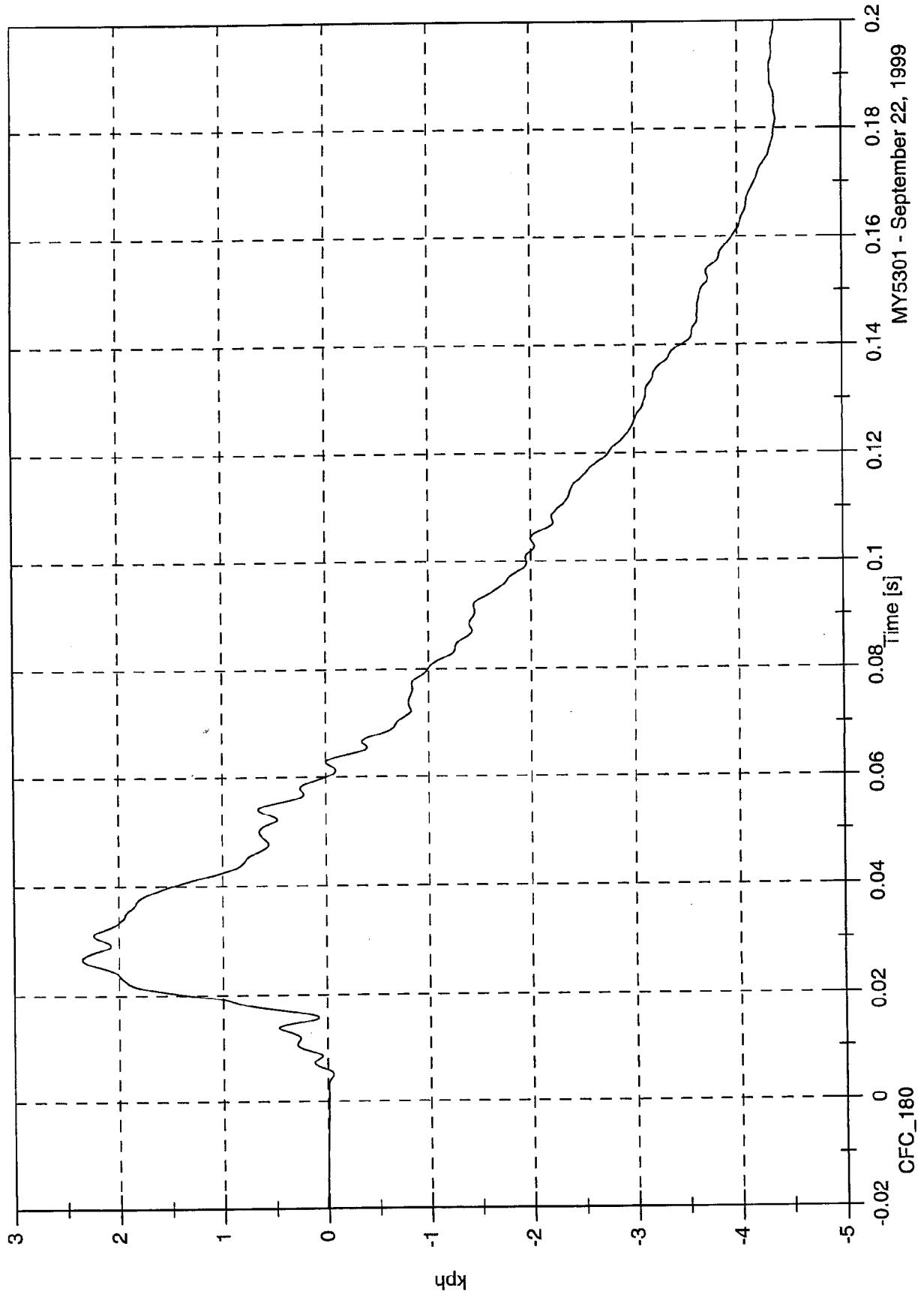
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 2(Z) Right Rear Sill Velocity

Max: 2.3 [kph] at 0.027 [s]

Min: -4.4 [kph] at 0.205 [s]



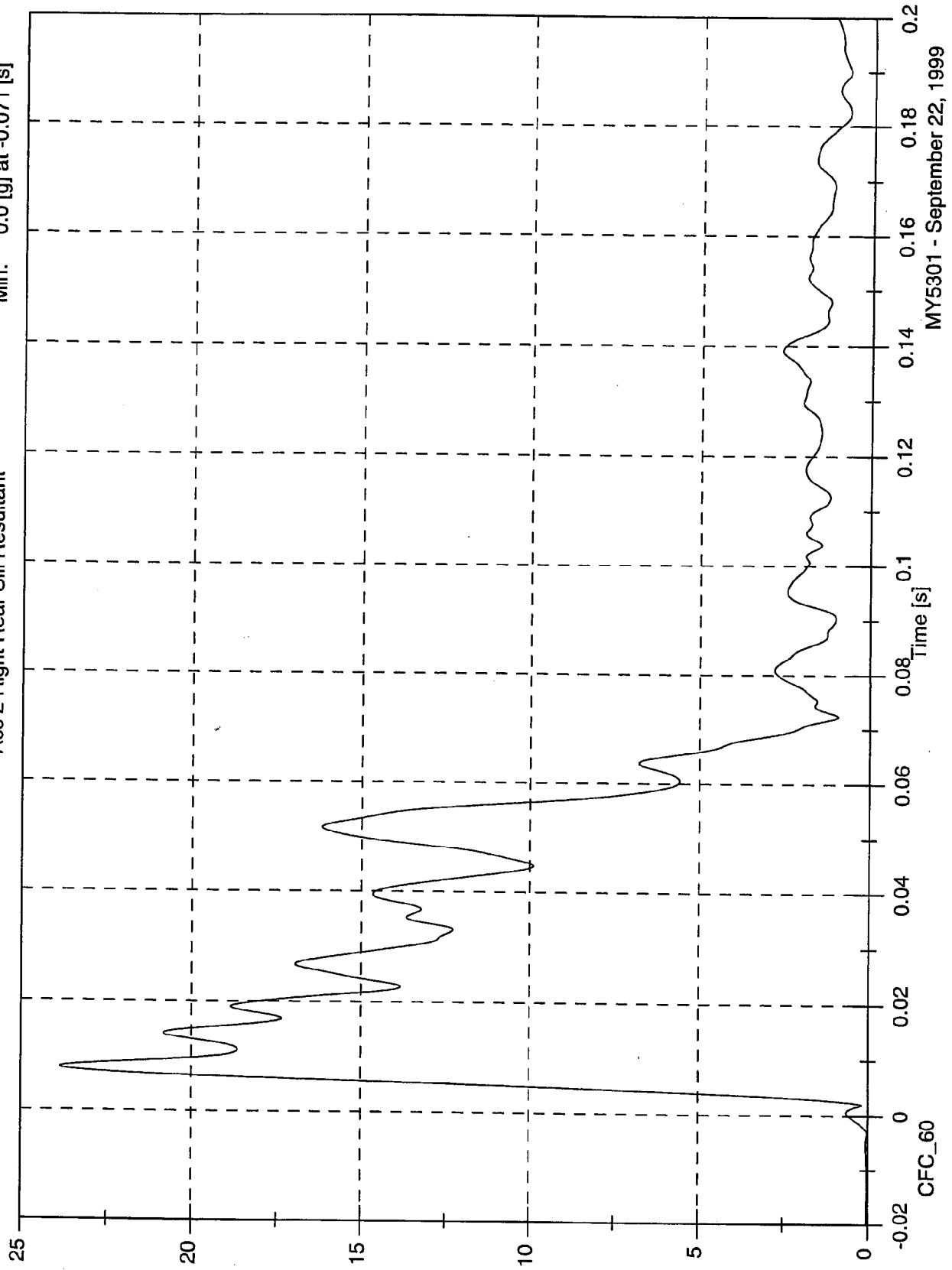
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 23.9 [g] at 0.008 [s]

Min: 0.0 [g] at -0.071 [s]

Acc 2 Right Rear Sill Resultant



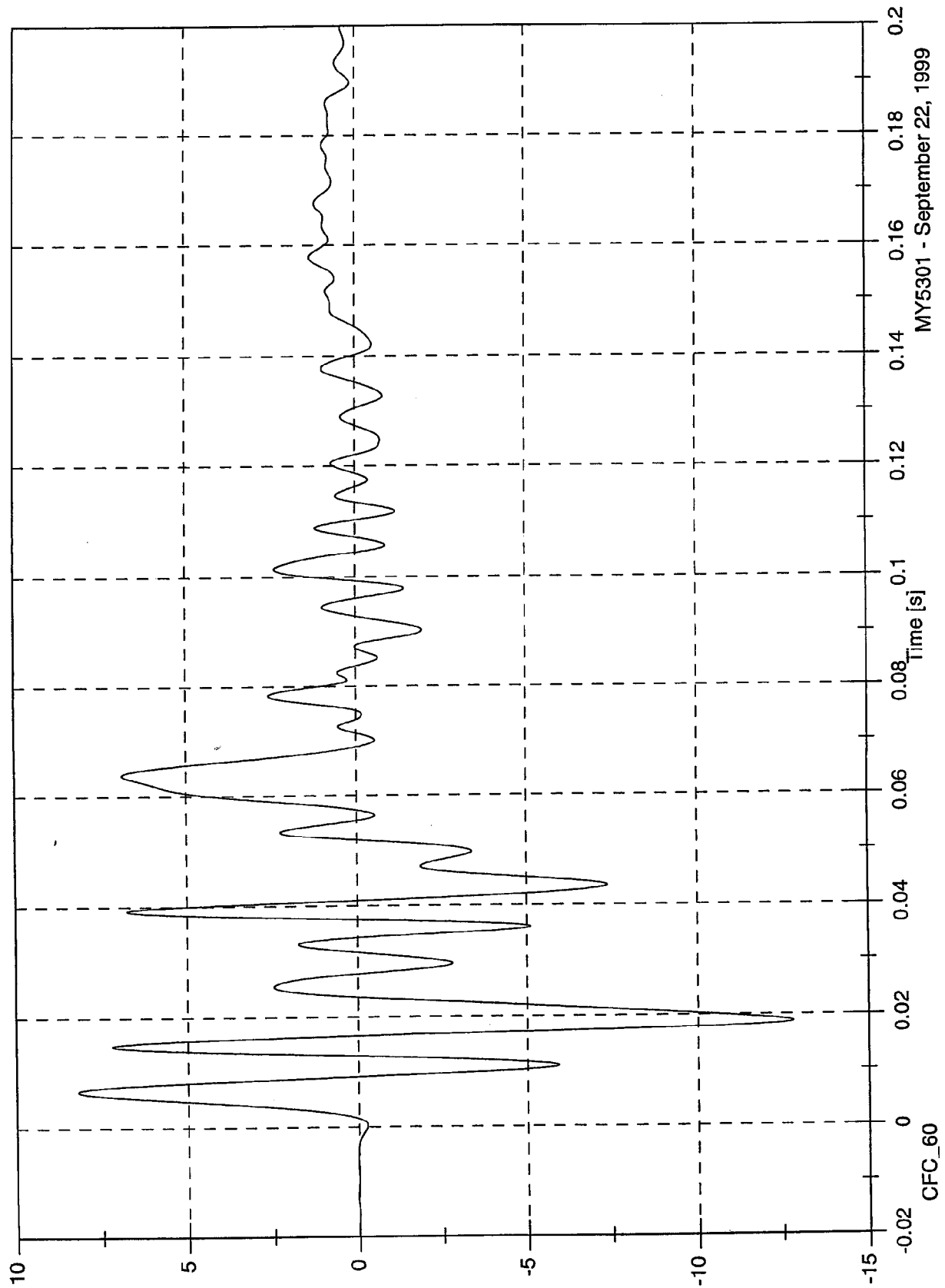
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 8.2 [g] at 0.007 [s]

Min: -12.8 [g] at 0.019 [s]

Acc 3(X) Rear Floorpan

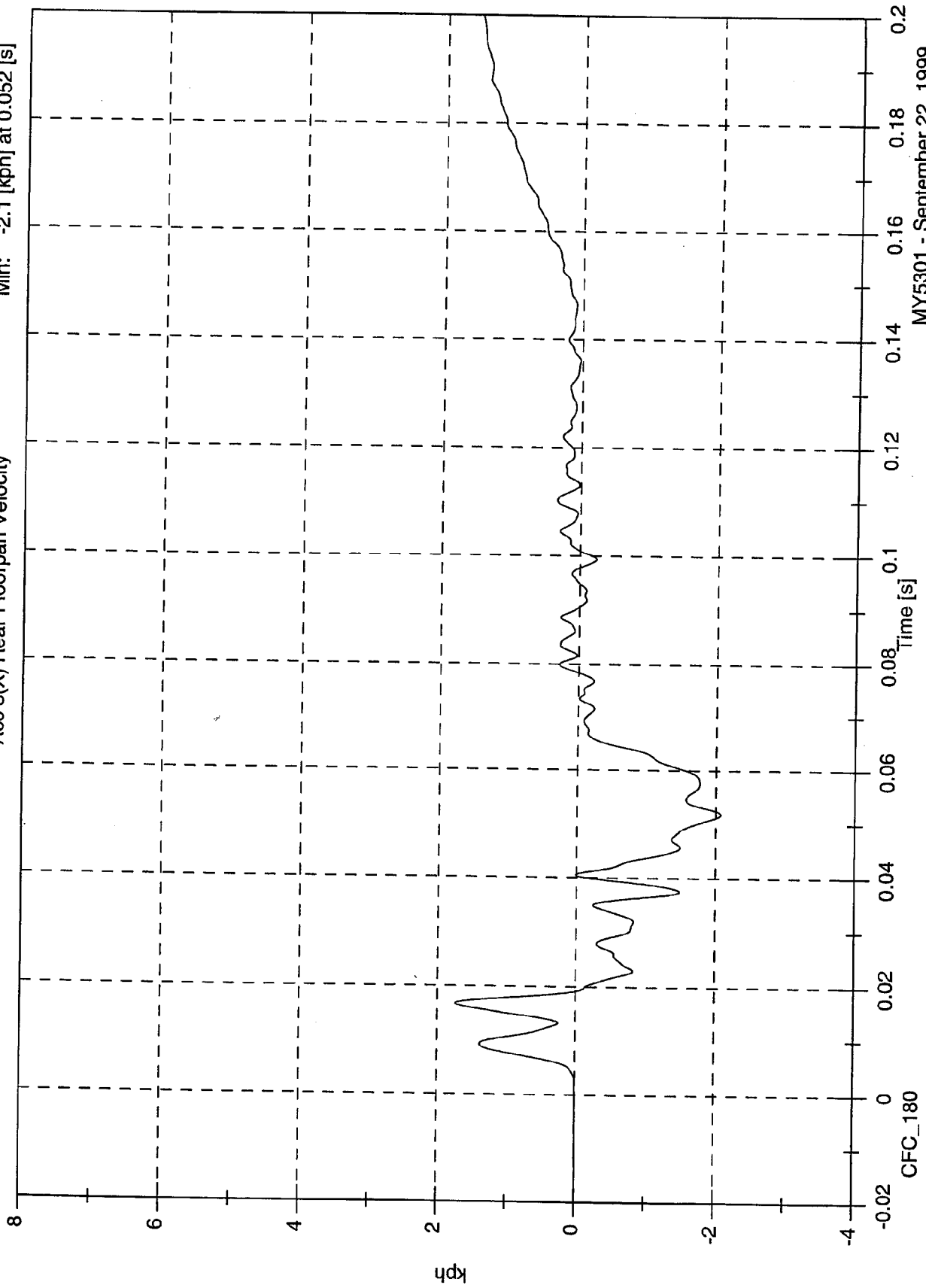


SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 7.0 [kph] at 0.500 [s]

Min: -2.1 [kph] at 0.052 [s]

Acc 3(X) Rear Floorpan Velocity

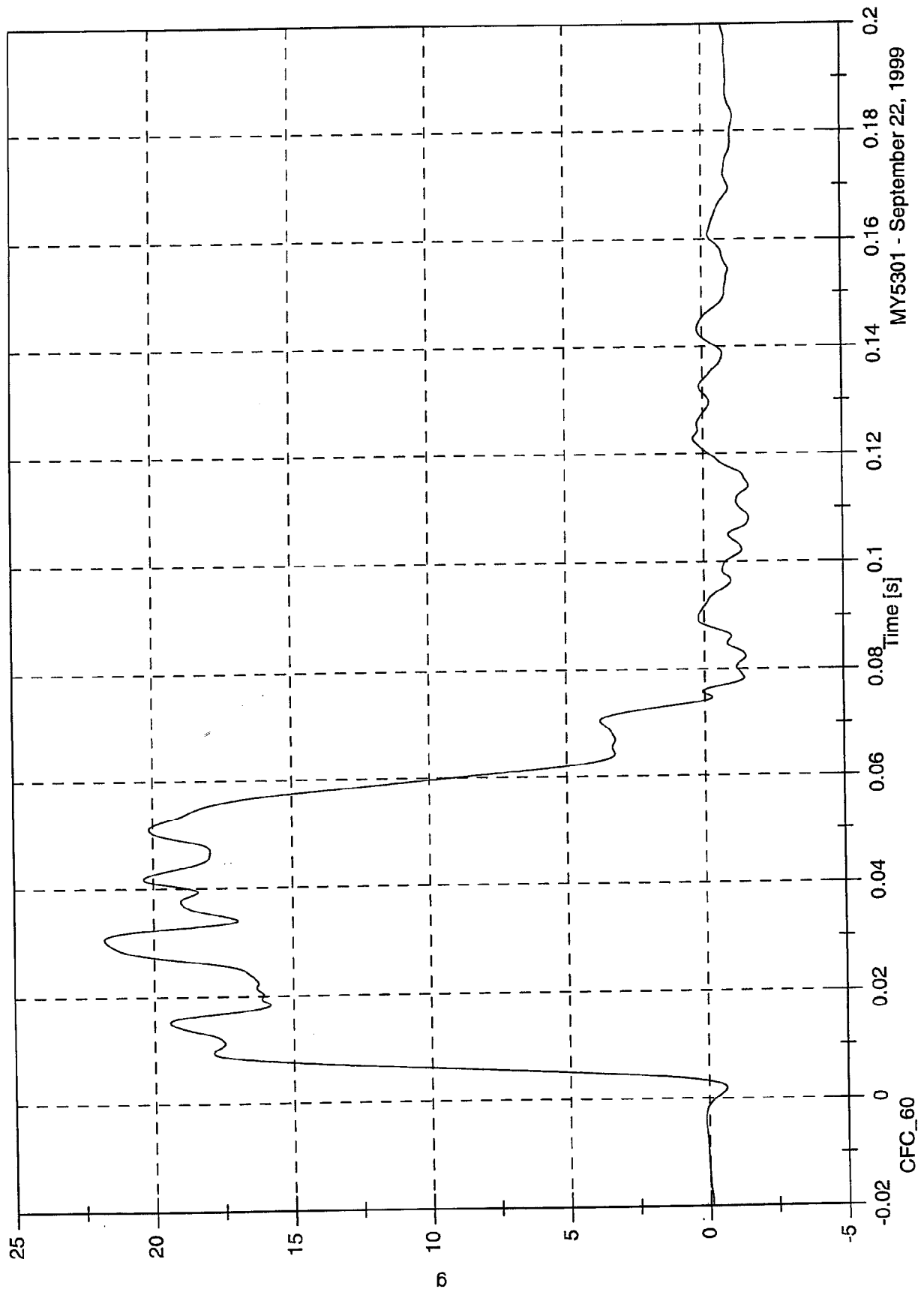


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 3(Y) Rear Floorpan

Max: 21.8 [g] at 0.031 [s]
Min: -2.2 [g] at 0.500 [s]

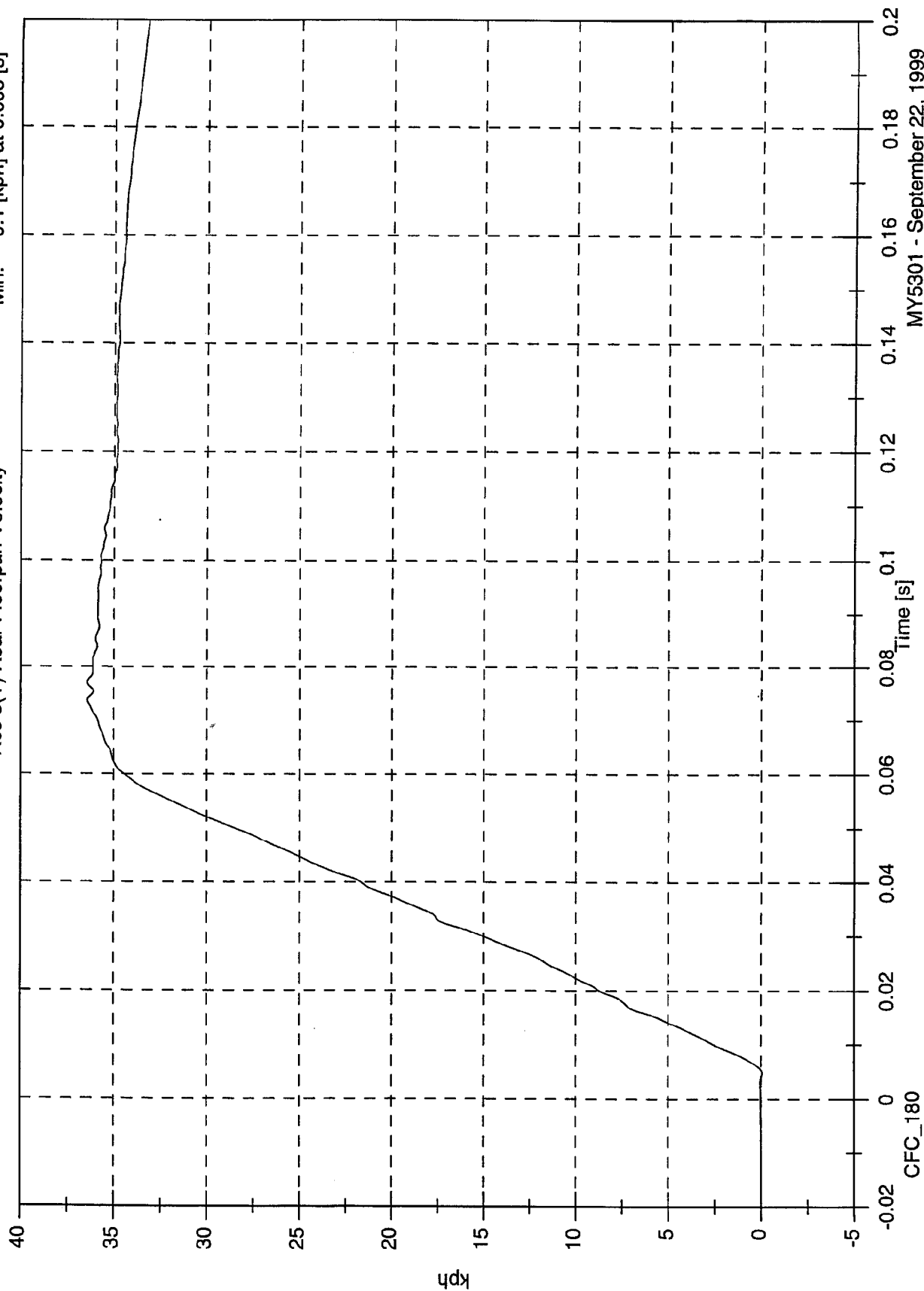


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 36.4 [kph] at 0.077 [s]
Min: -0.1 [kph] at 0.005 [s]

Acc 3(Y) Rear Floorpan Velocity



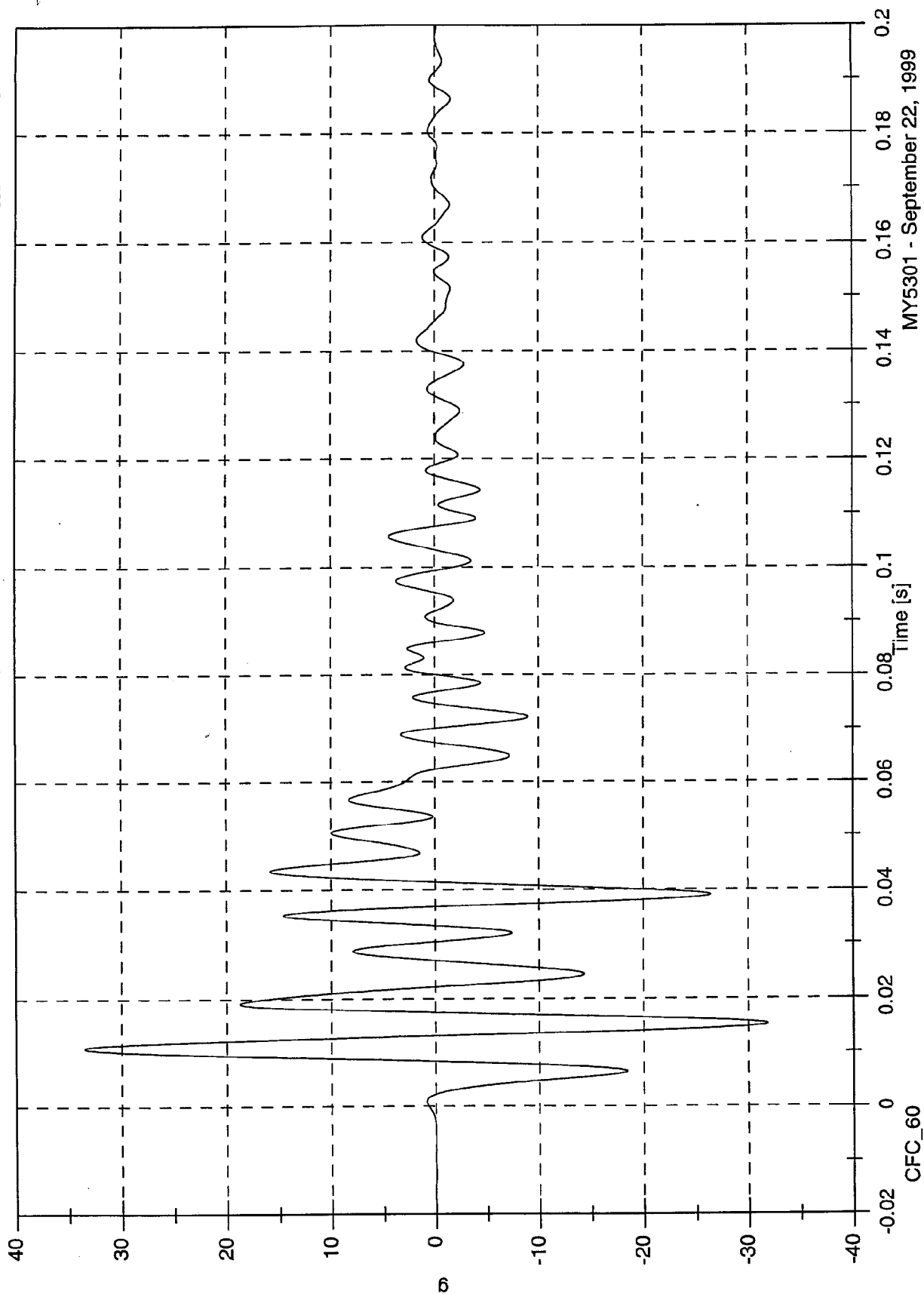
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 3(Z) Rear Floorpan

Max: 33.5 [g] at 0.011 [s]

Min: -31.8 [g] at 0.015 [s]

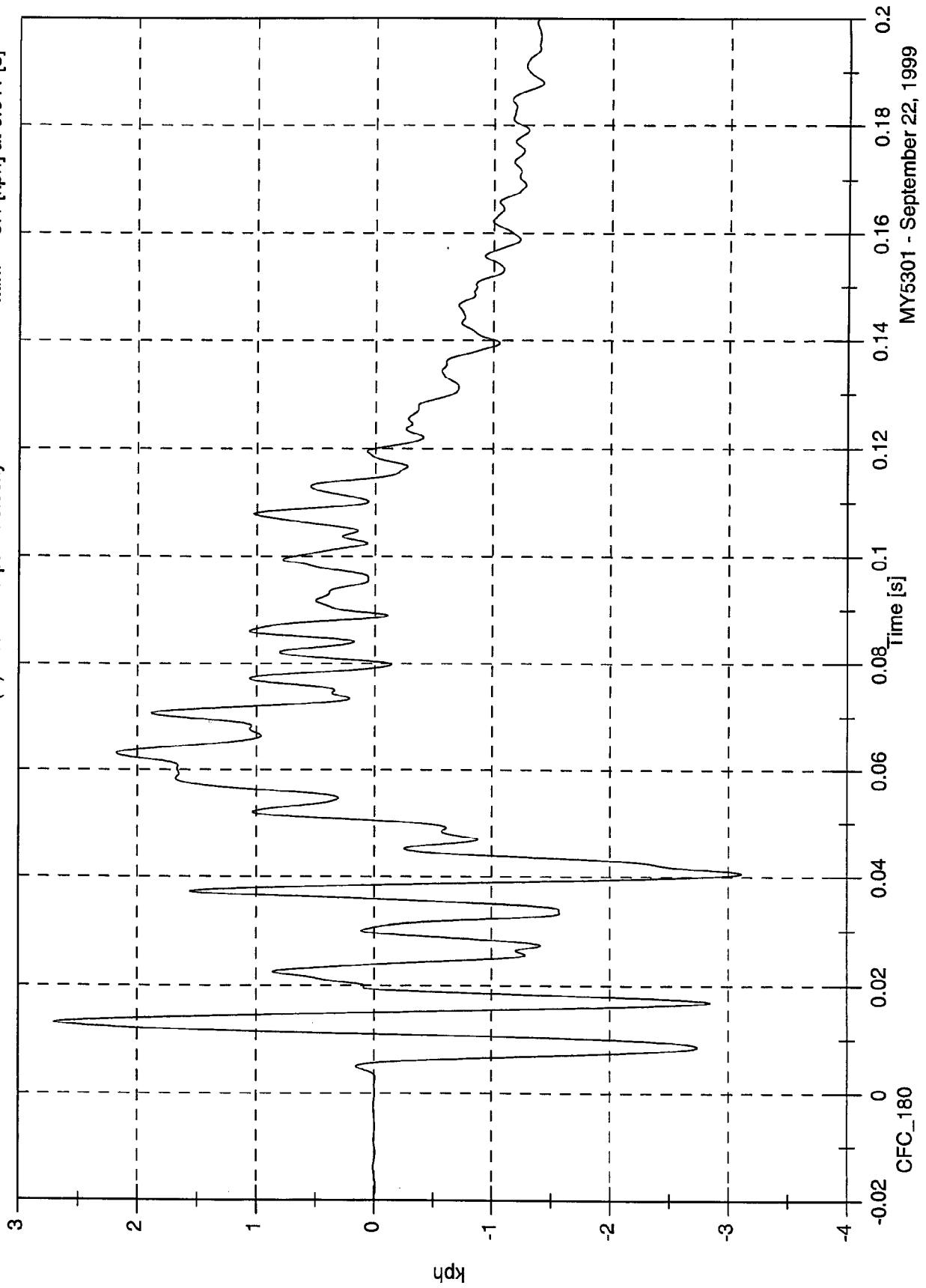


SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 2.7 [kph] at 0.013 [s]

Min: -3.1 [kph] at 0.041 [s]

Acc 3(Z) Rear Floorpan Velocity



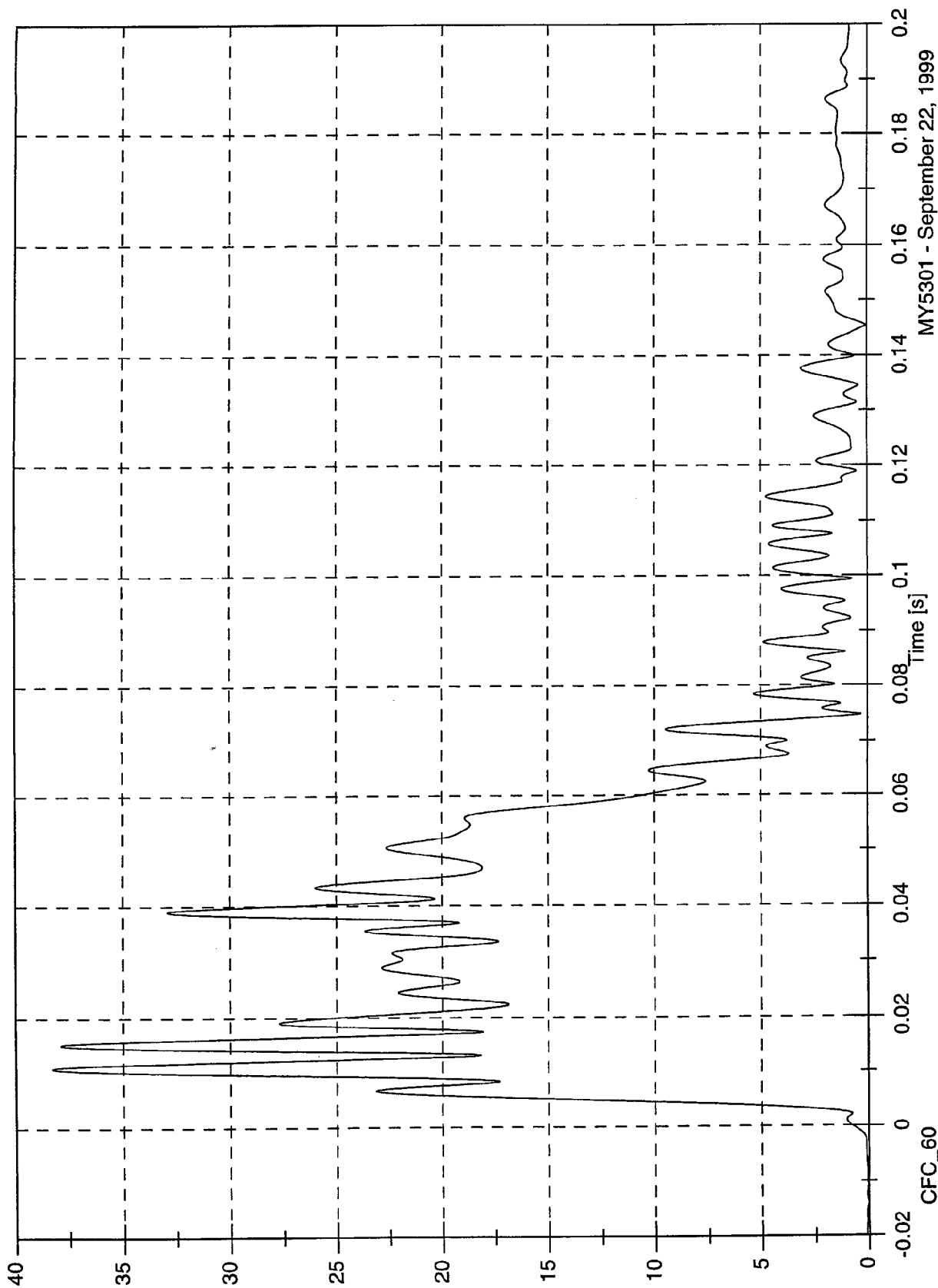
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 3 Rear Floorpan Resultant

Max: 38.3 [g] at 0.011 [s]

Min: 0.0 [g] at -0.037 [s]



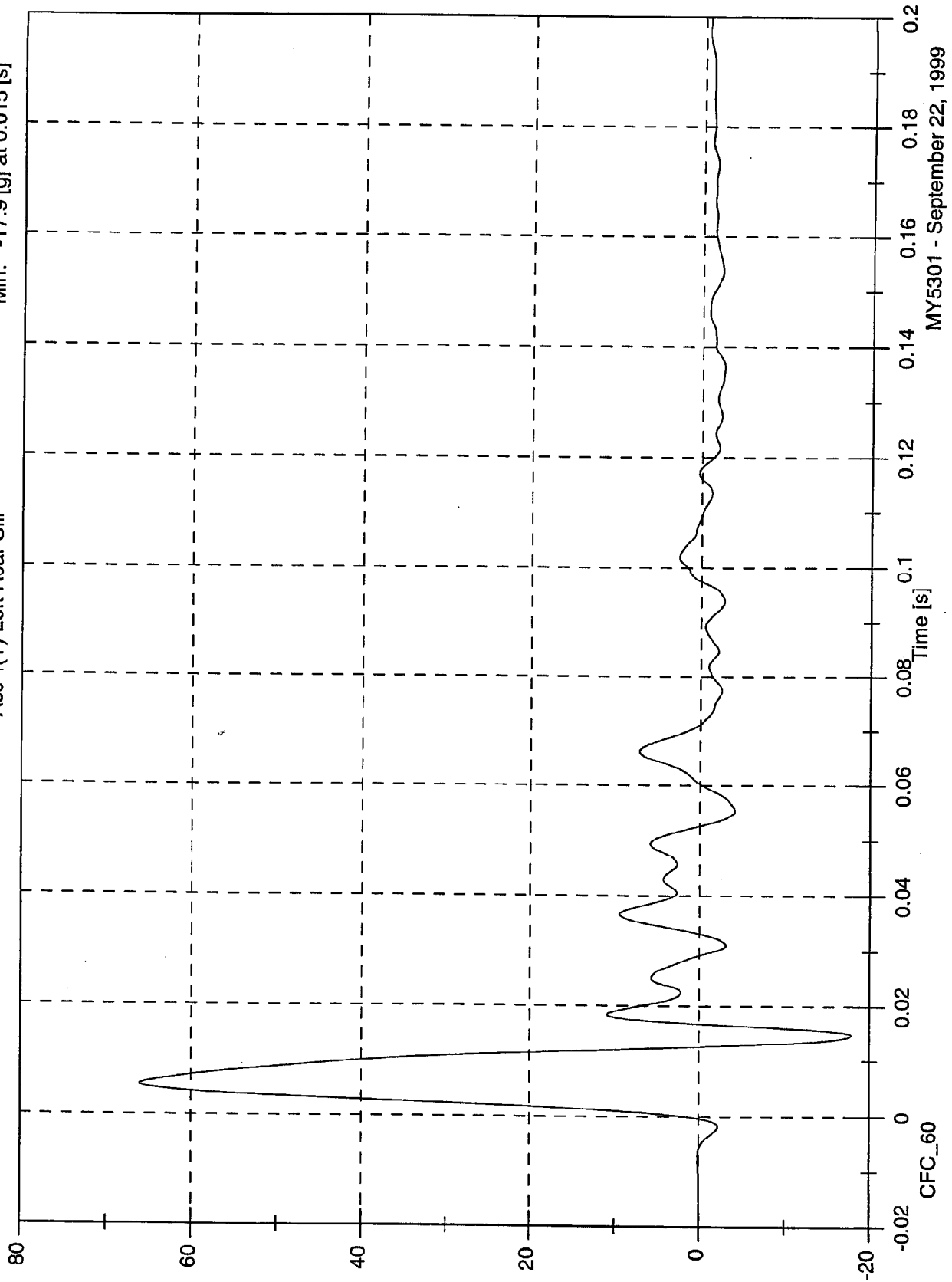
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 66.1 [g] at 0.005 [s]

Min: -17.9 [g] at 0.015 [s]

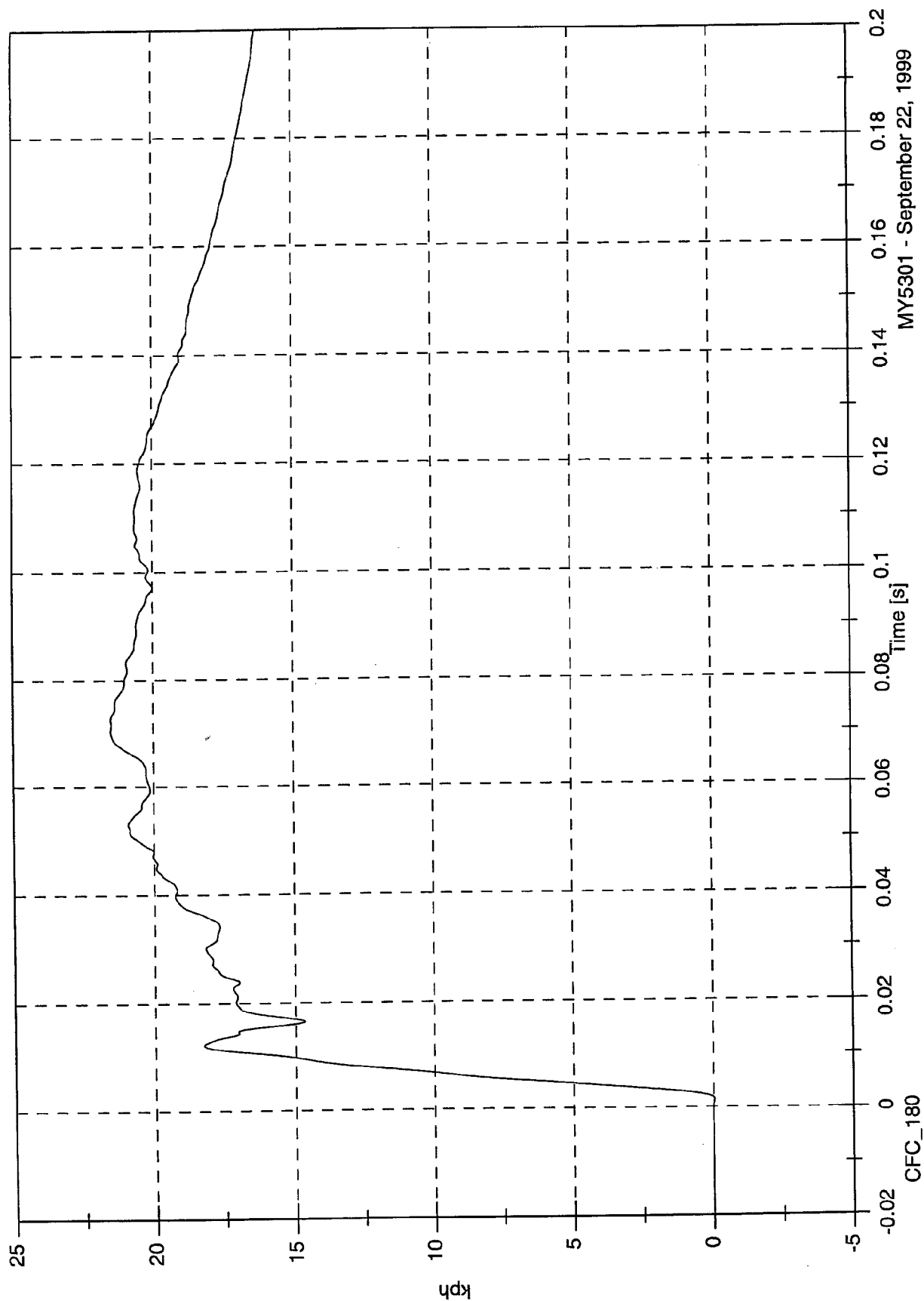
Acc 4(Y) Left Rear Sill



SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 4(Y) Left Rear Sill Velocity

Max: 21.5 [kph] at 0.070 [s]
Min: -0.0 [kph] at 0.001 [s]



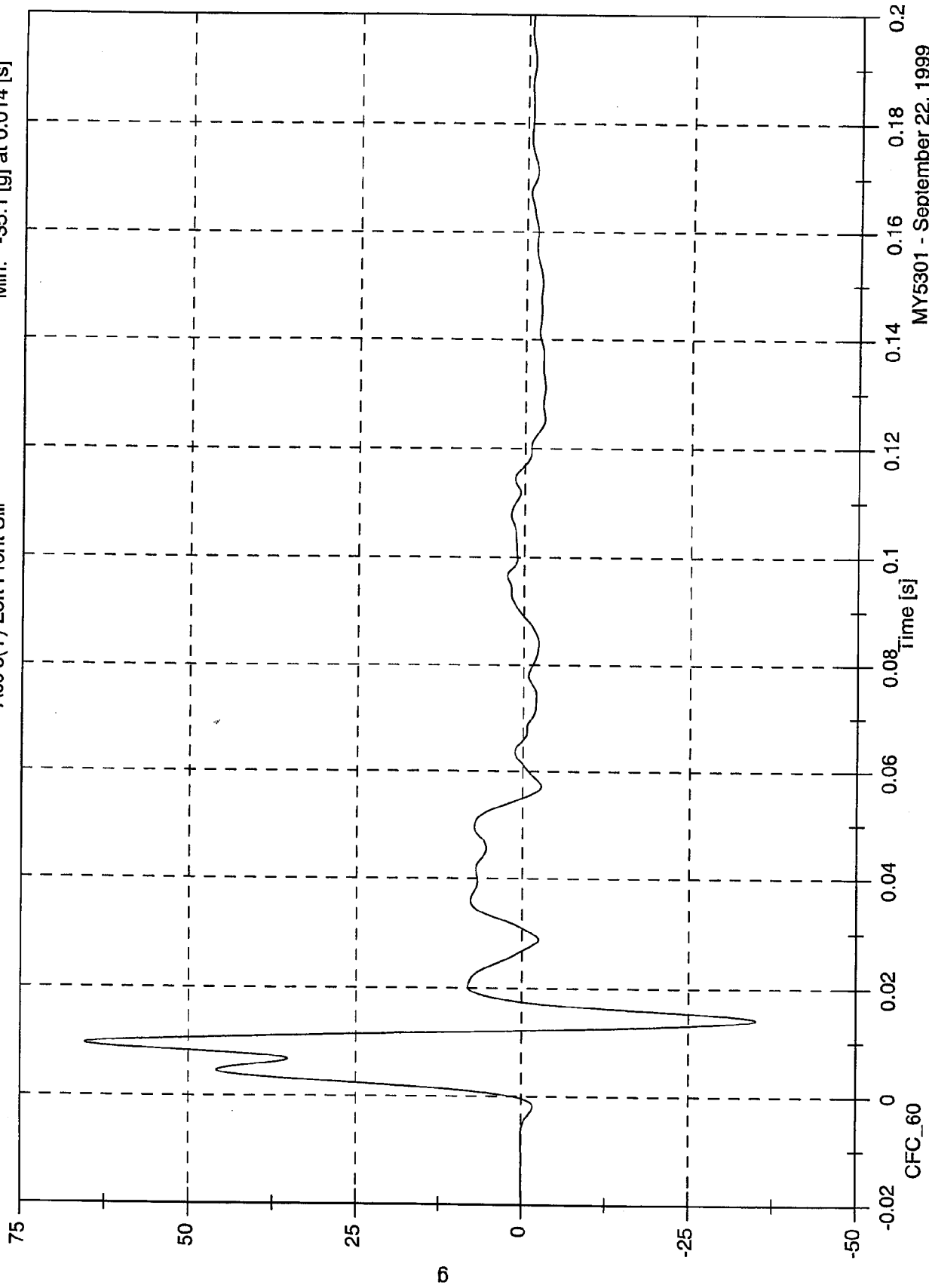
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 65.4 [g] at 0.010 [s]

Min: -35.1 [g] at 0.014 [s]

Acc 5(Y) Left Front Sill

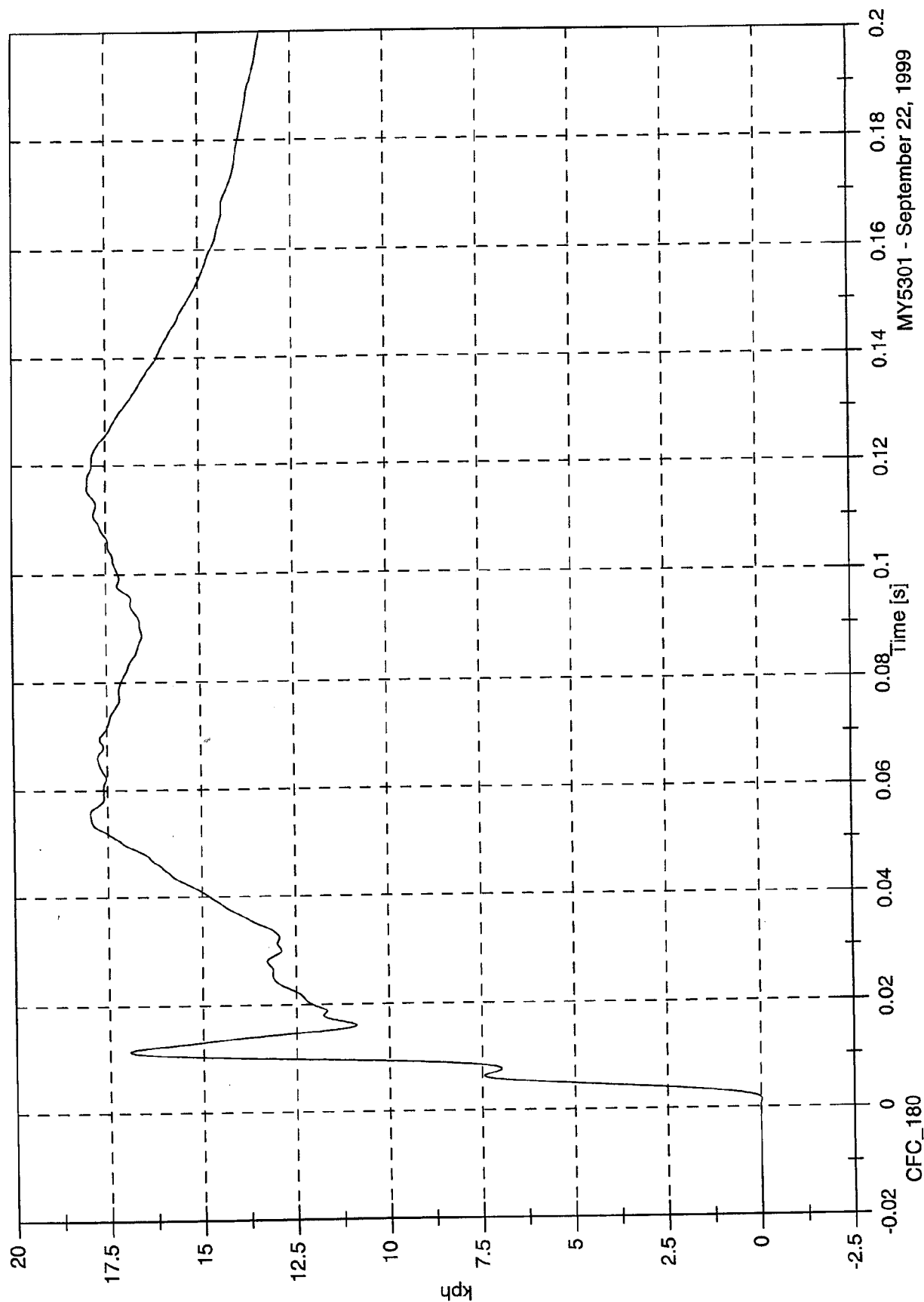


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 5(Y) Left Front Sill Velocity

Max: 18.0 [kph] at 0.116 [s]
Min: -0.0 [kph] at -0.059 [s]



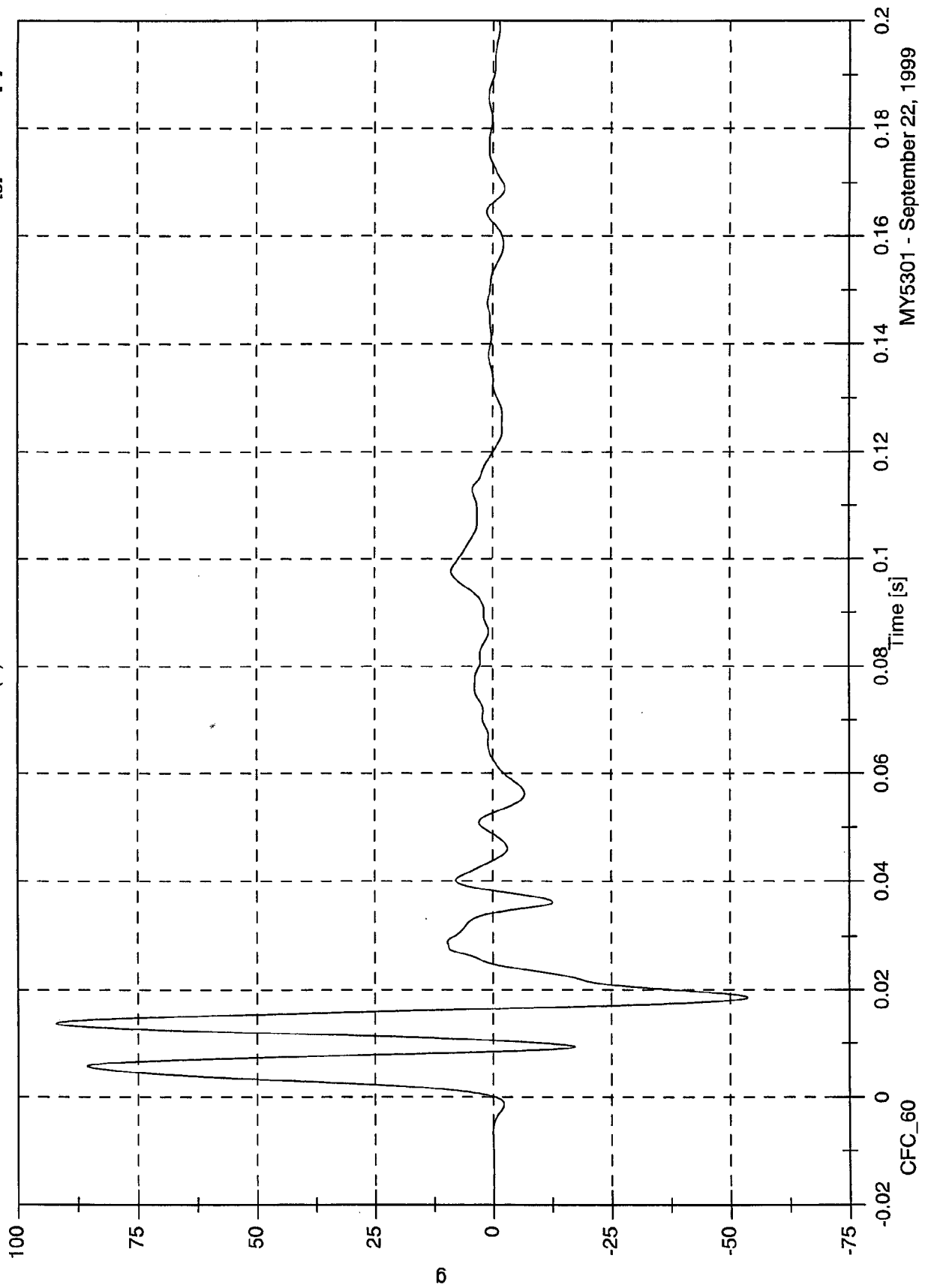
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 92.0 [g] at 0.014 [s]

Min: -53.7 [g] at 0.019 [s]

Acc 6(Y) Left Front Door C/L

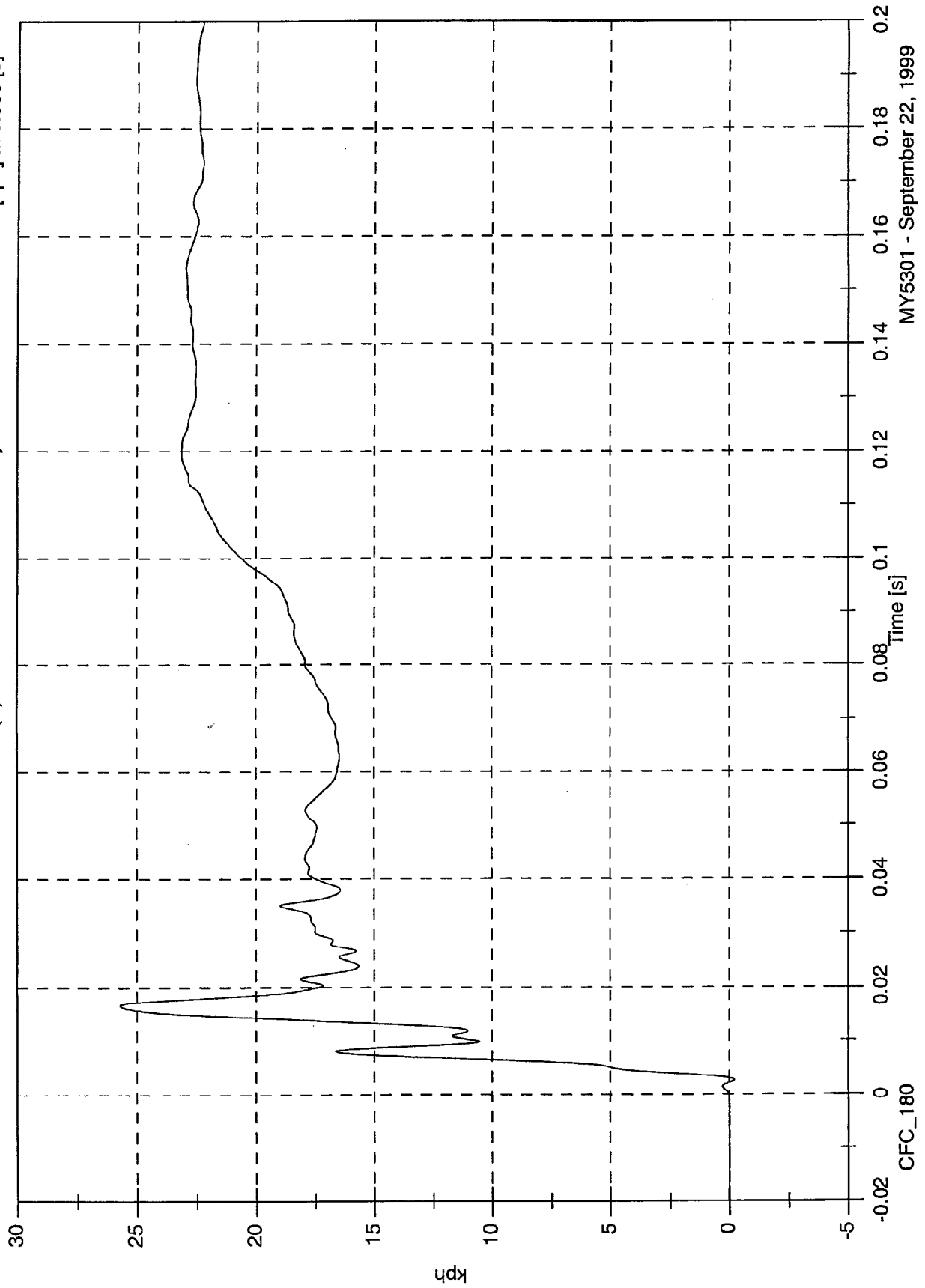


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 6(Y) Left Front Door C/L Velocity

Max: 25.7 [kph] at 0.017 [s]
Min: -0.2 [kph] at 0.003 [s]



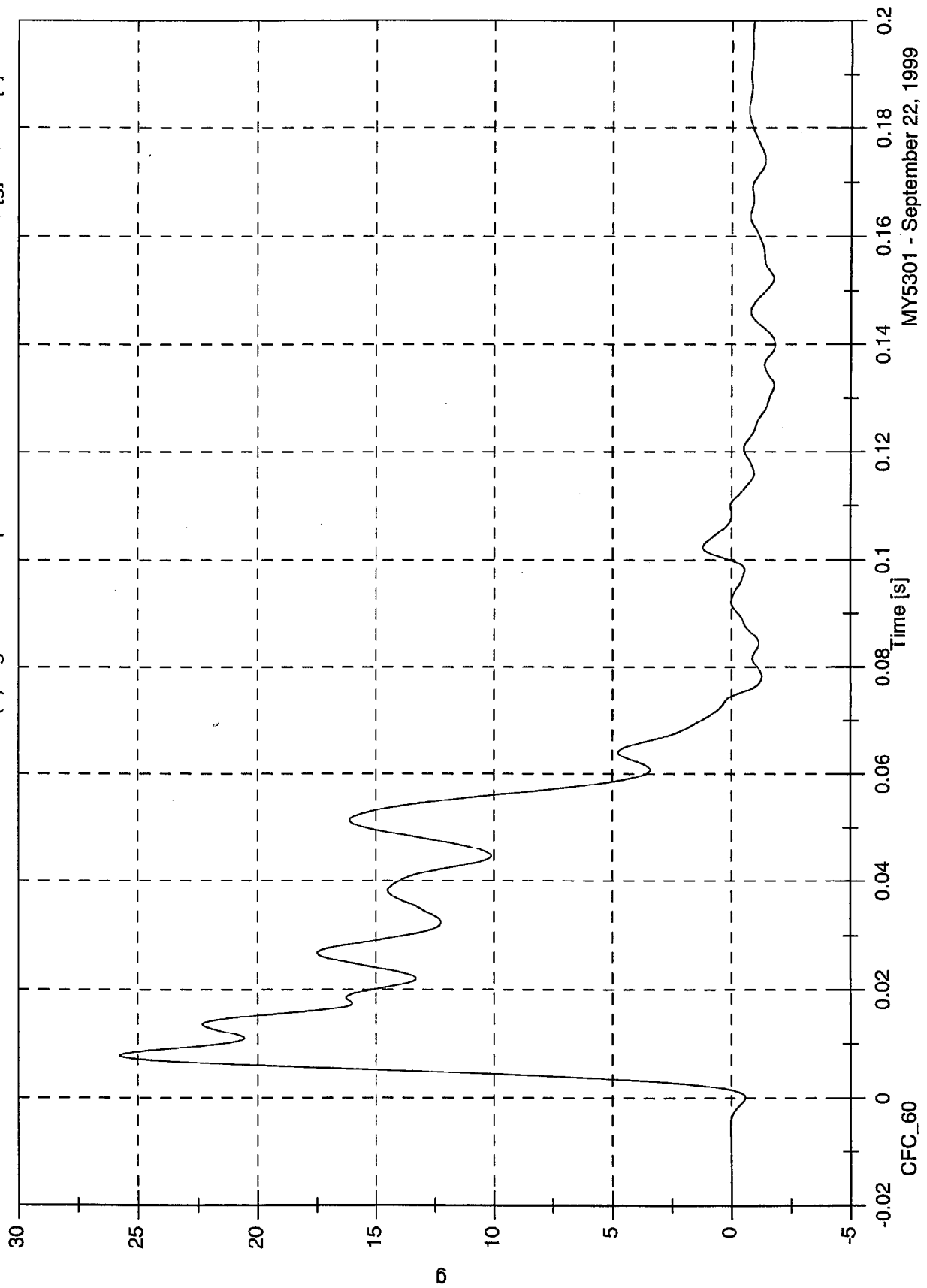
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 7(Y) Right Rear Compartment

Max: 25.8 [g] at 0.008 [s]

Min: -1.8 [g] at 0.140 [s]



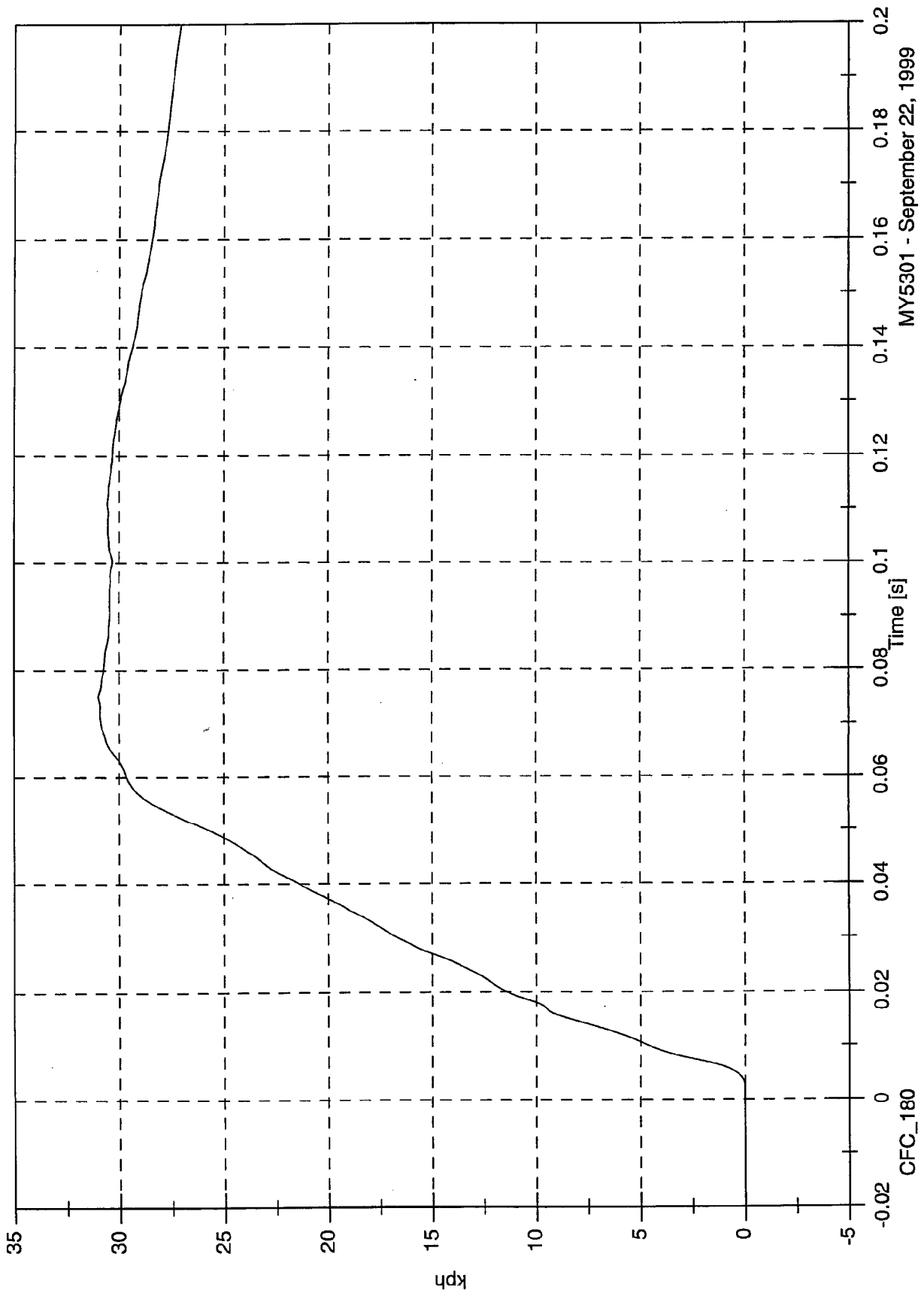
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 31.0 [kph] at 0.075 [s]

Min: -0.0 [kph] at -0.067 [s]

Acc 7(Y) Right Rear Compartment Velocity



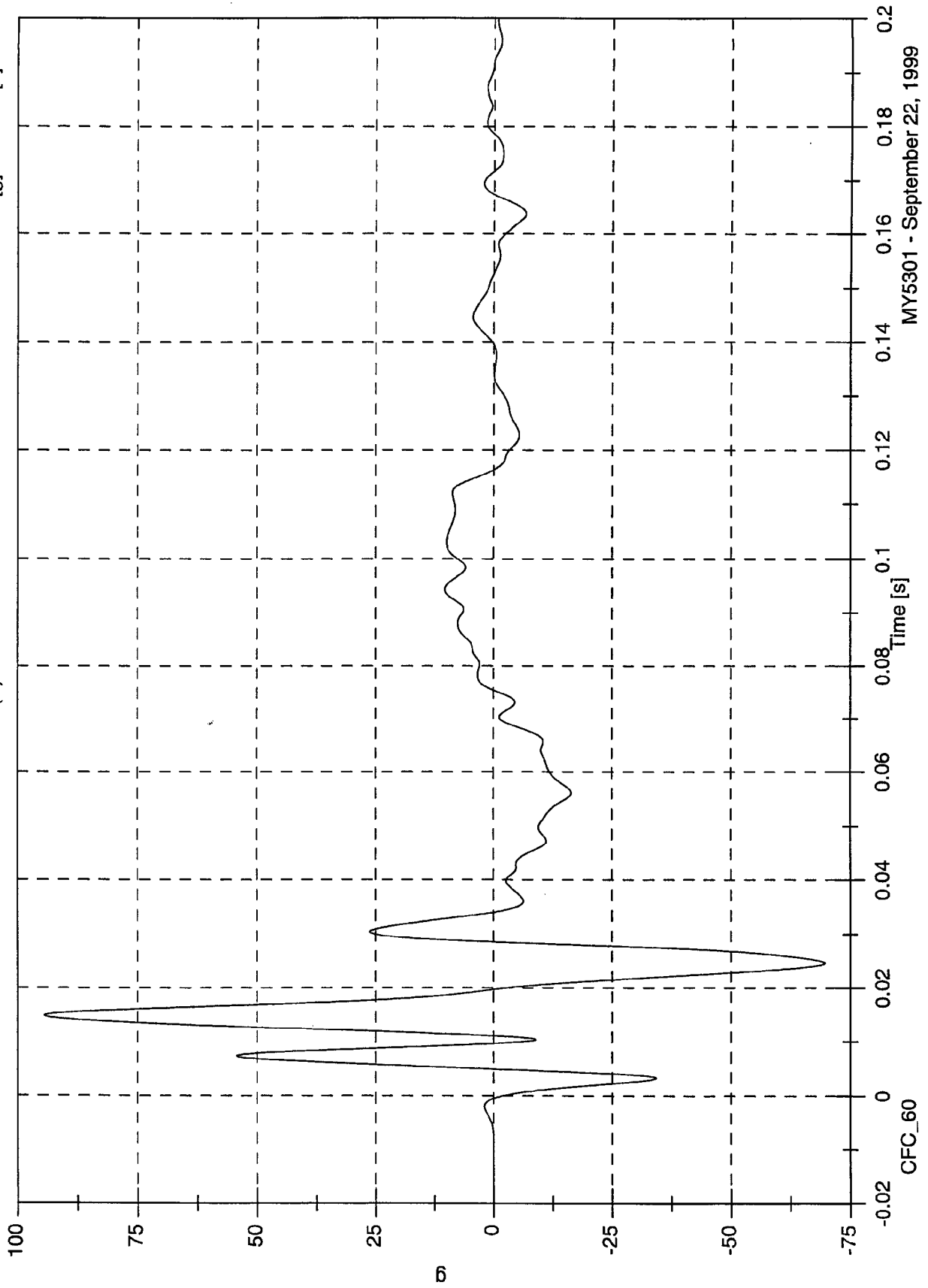
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 94.4 [g] at 0.015 [s]

Min: -69.7 [g] at 0.025 [s]

Acc 8(Y) Left Front Door Midrear



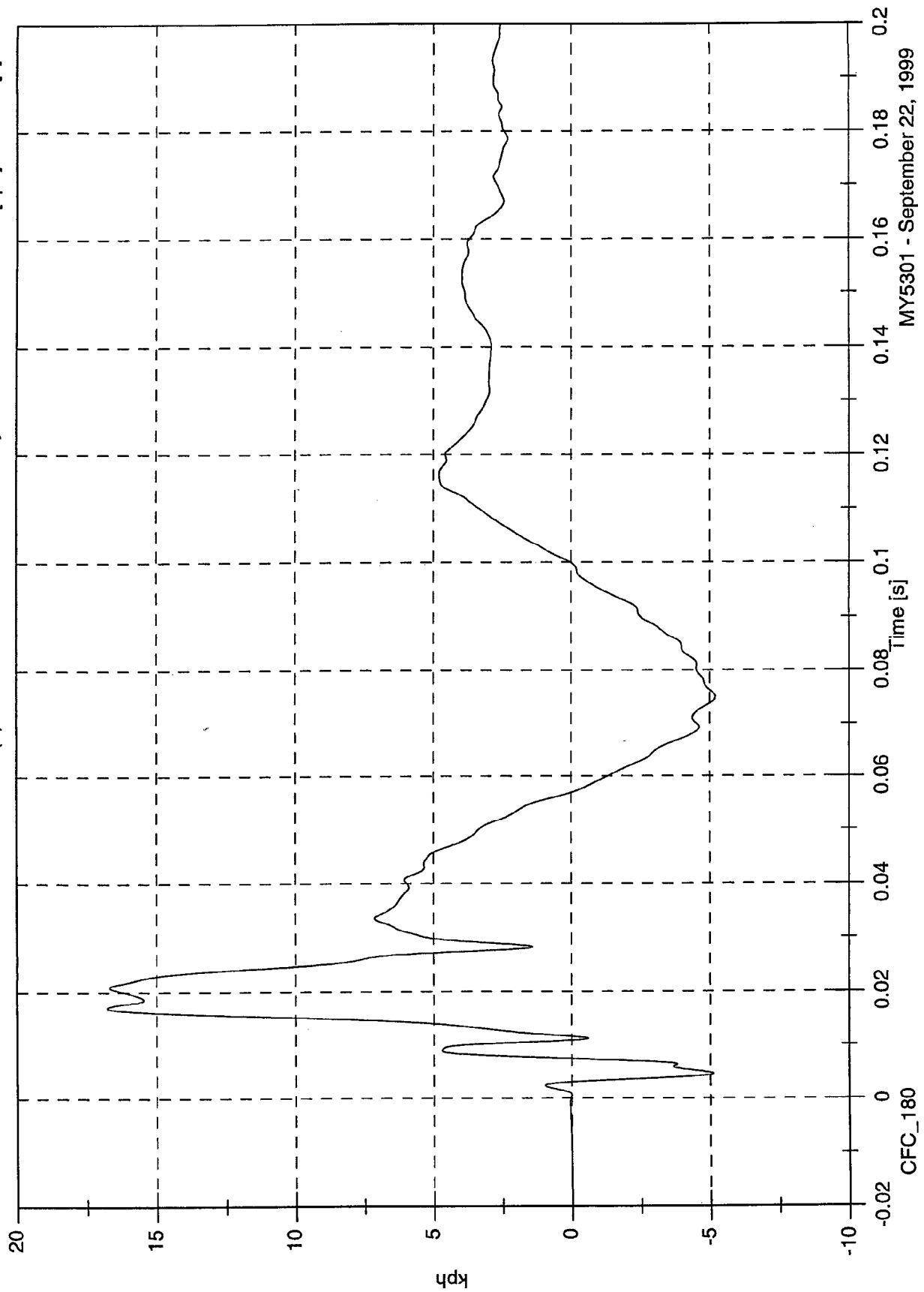
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 8(Y) Left Front Door Midrear Velocity

Max: 16.8 [kph] at 0.017 [s]

Min: -5.2 [kph] at 0.075 [s]

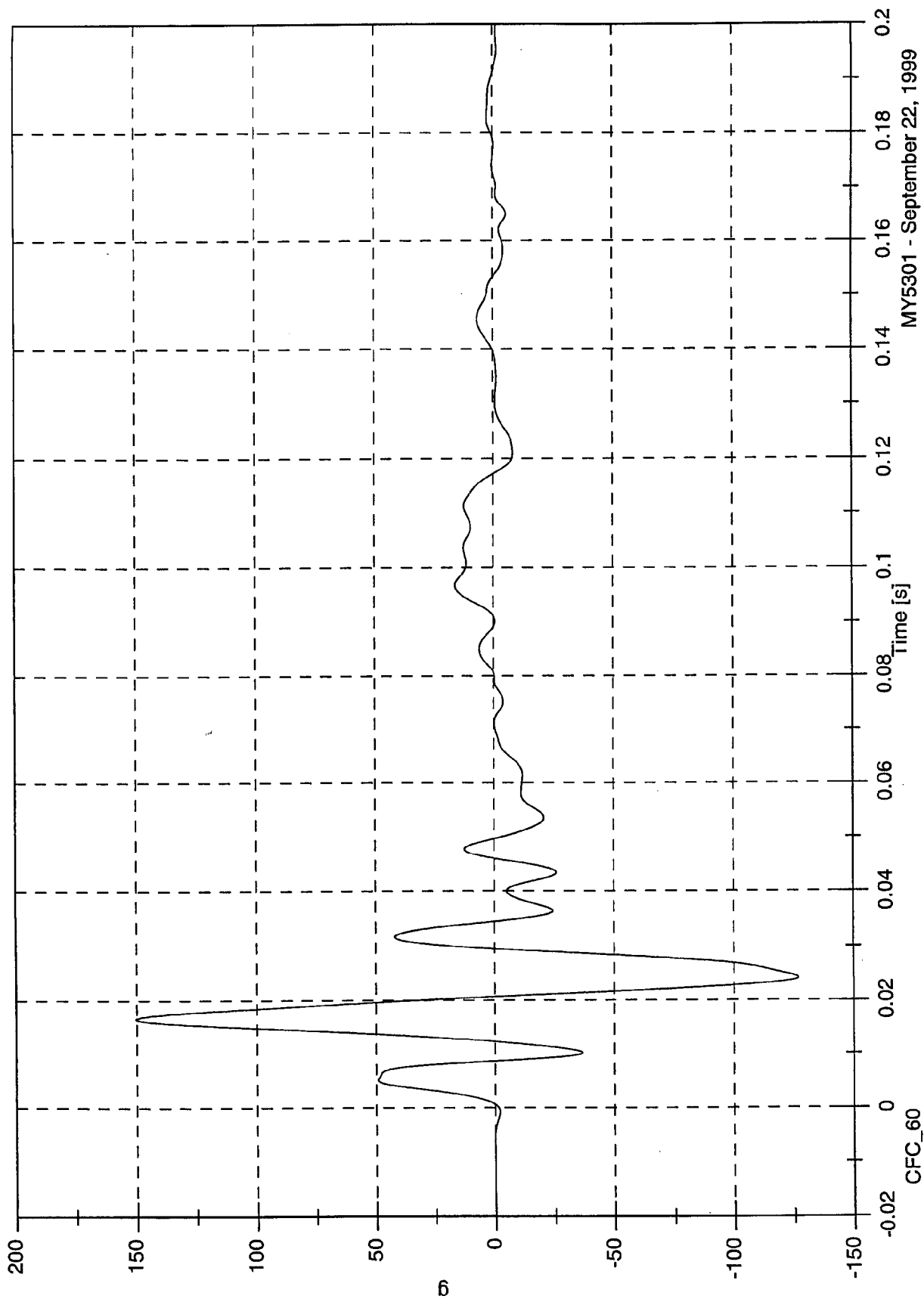


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 9(Y) Left Front Door Upper

Max: 150.2 [g] at 0.017 [s]
Min: -127.0 [g] at 0.024 [s]



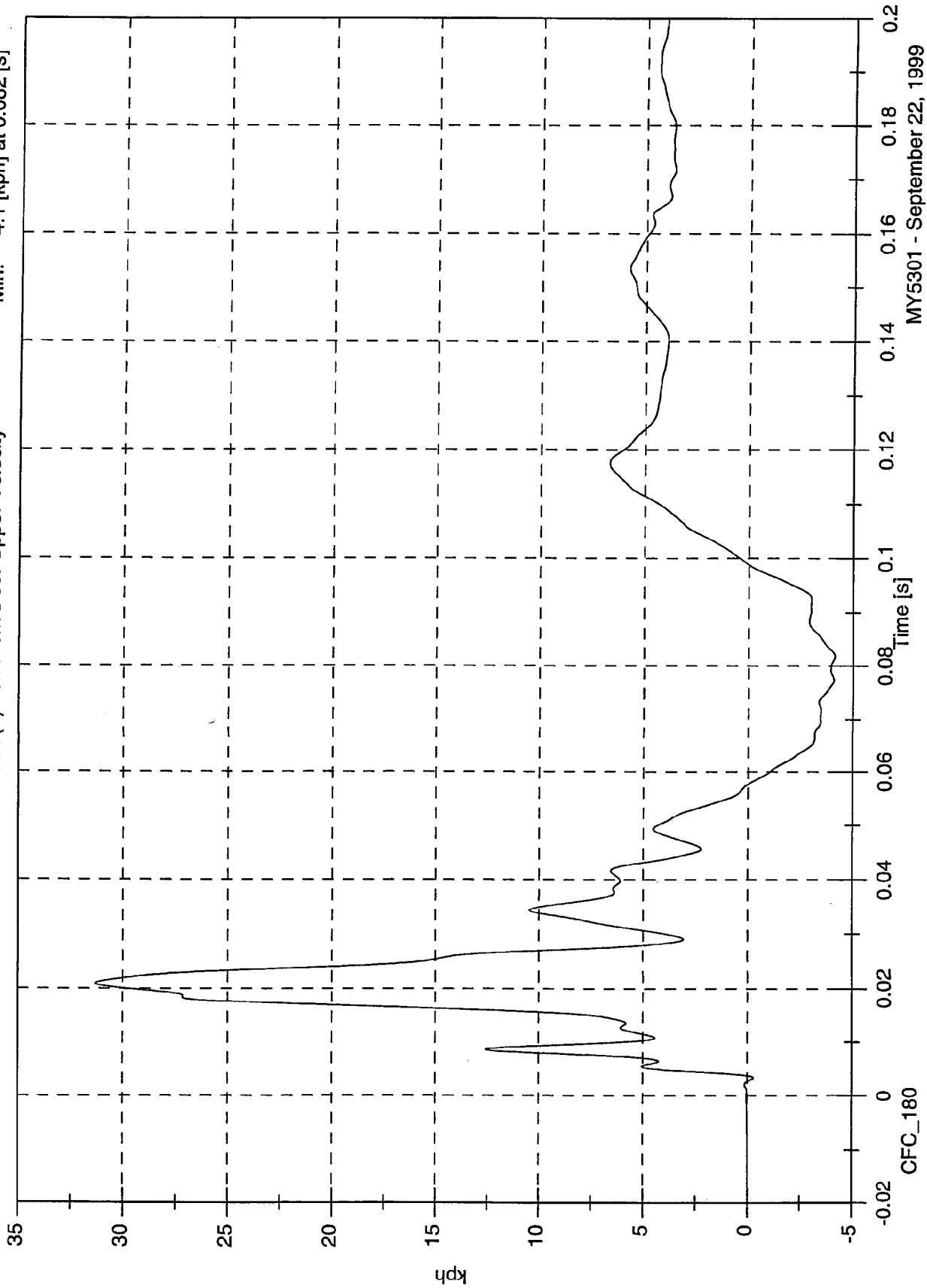
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 9(Y) Left Front Door Upper Velocity

Max: 31.3 [kph] at 0.021 [s]

Min: -4.1 [kph] at 0.082 [s]



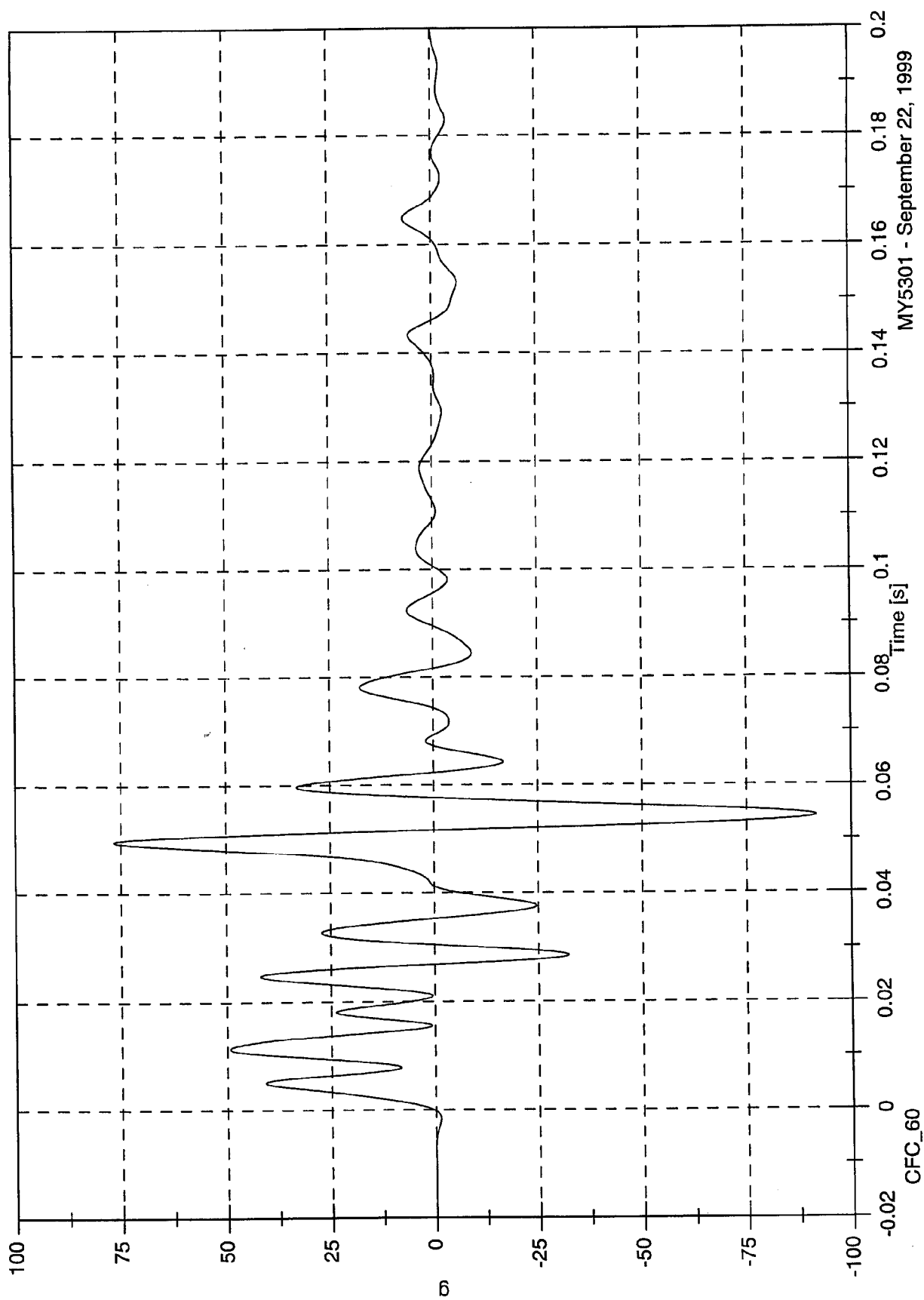
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 76.6 [g] at 0.050 [s]

Min: -91.6 [g] at 0.054 [s]

Acc 10(Y) Left Rear Door Midrear



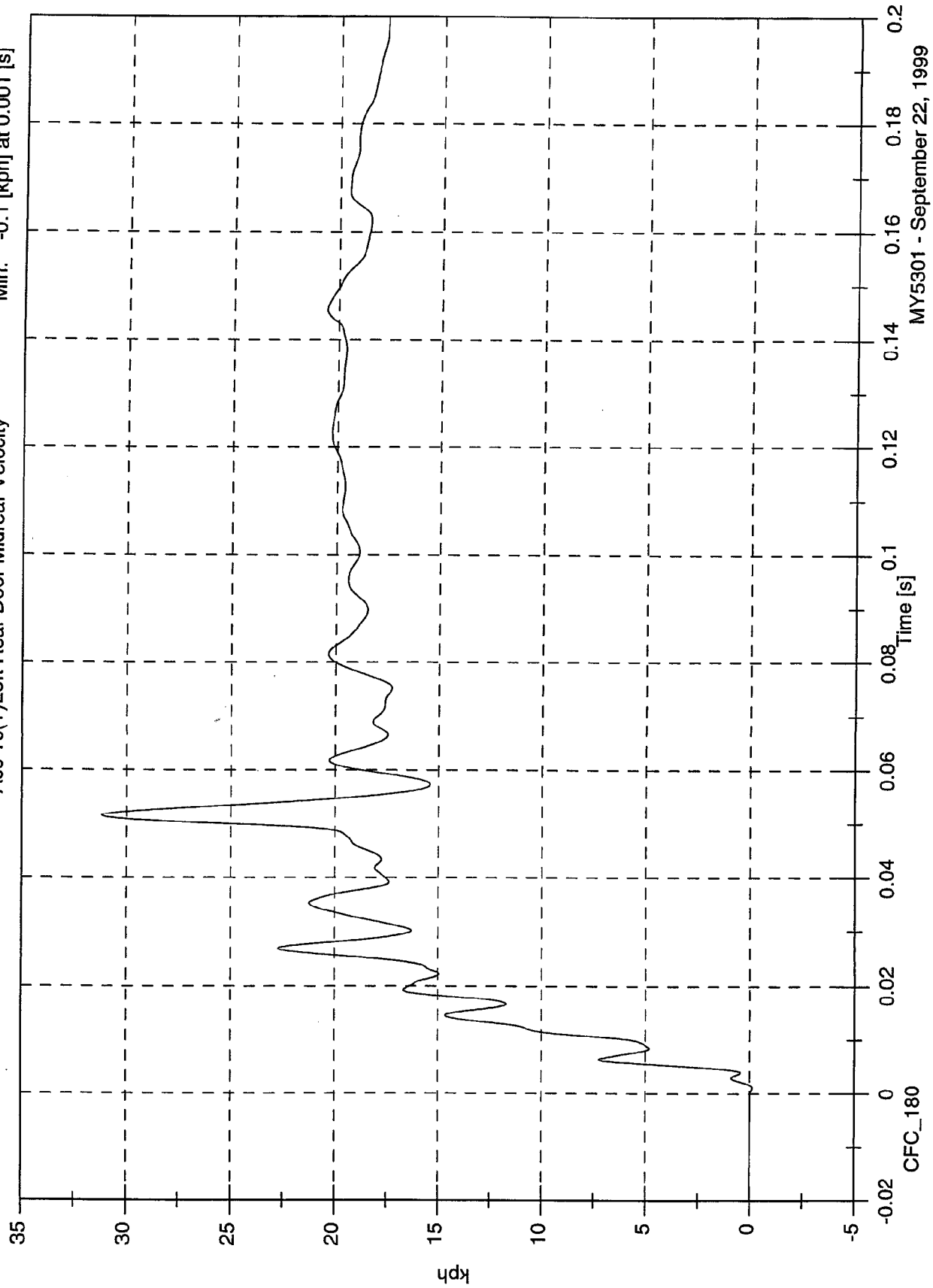
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 10(Y) Left Rear Door Midrear Velocity

Max: 31.2 [kph] at 0.052 [s]

Min: -0.1 [kph] at 0.001 [s]

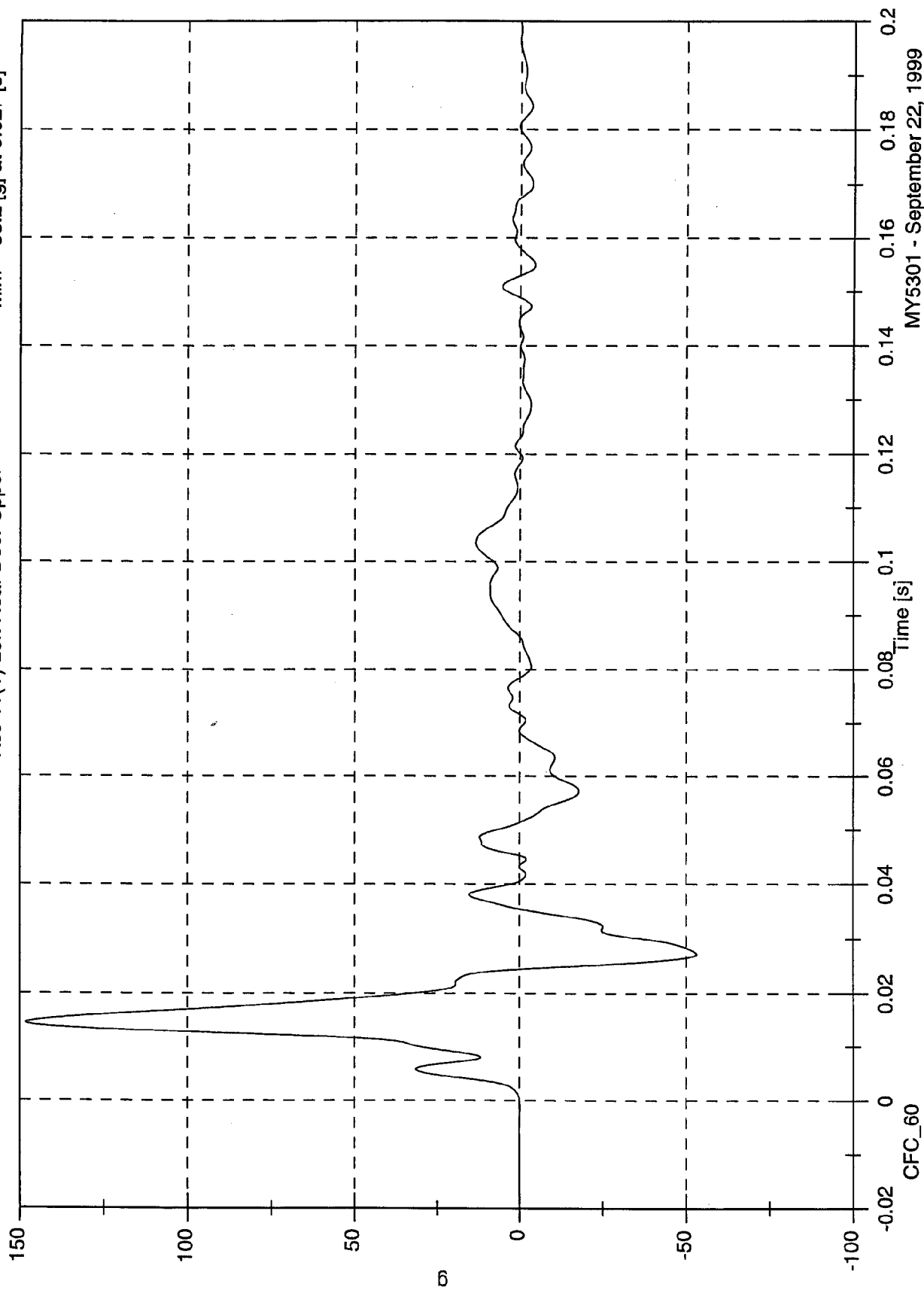


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 148.3 [g] at 0.015 [s]
Min: -53.2 [g] at 0.027 [s]

Acc 11(Y) Left Rear Door Upper



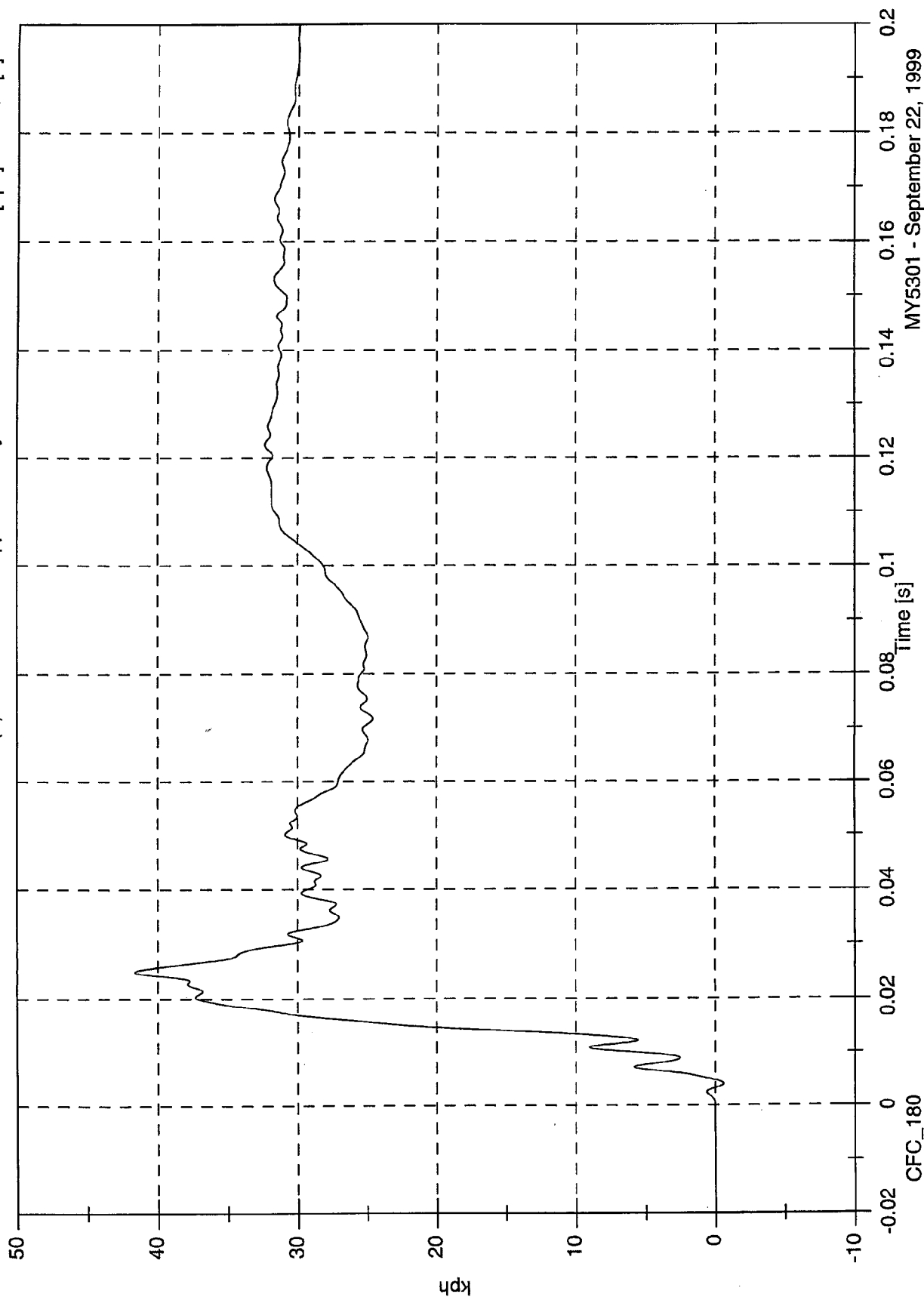
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 41.6 [kph] at 0.025 [s]

Min: -0.6 [kph] at 0.004 [s]

Acc 11(Y) Left Rear Door Upper Velocity



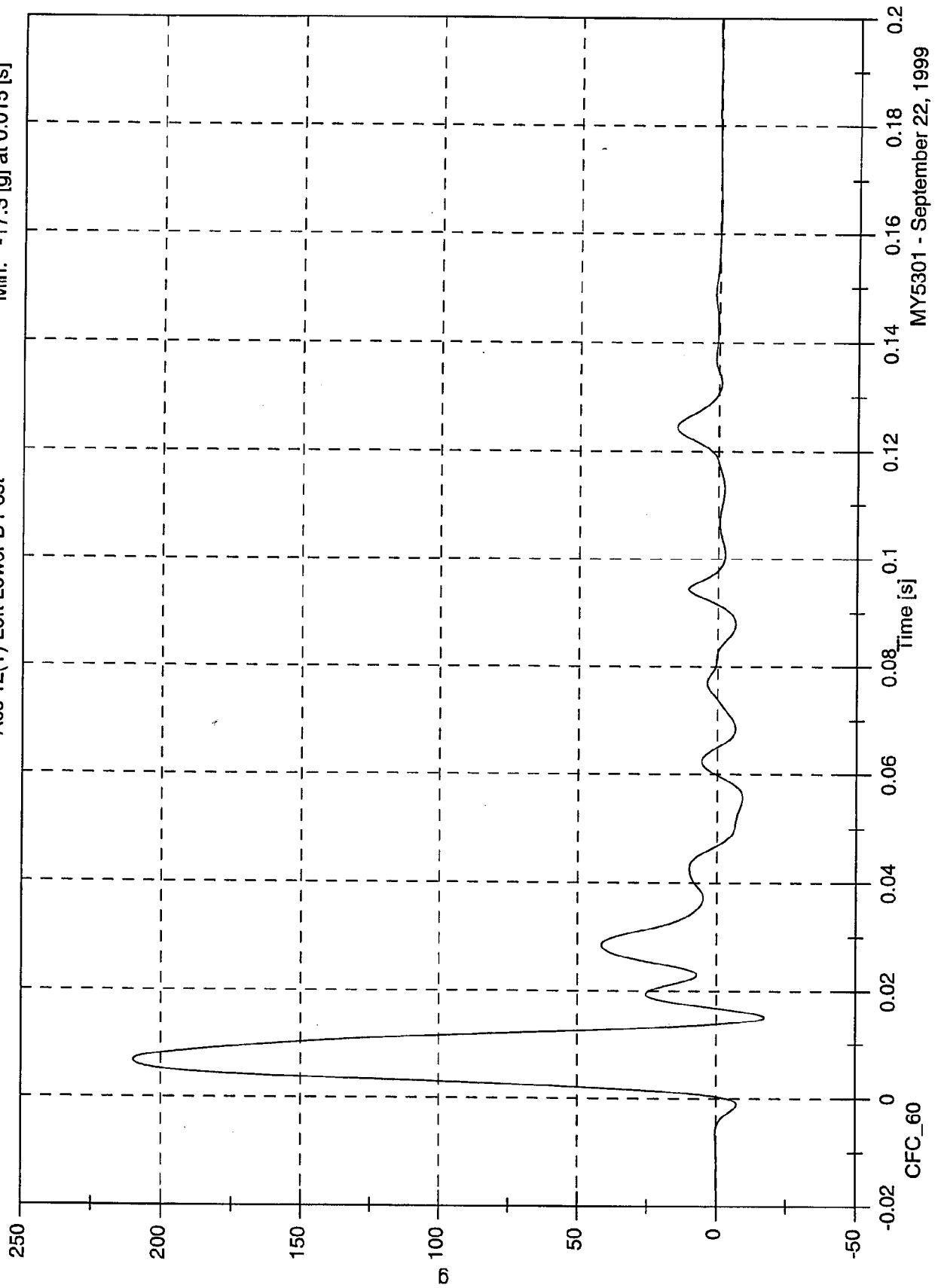
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 12(Y) Left Lower B Post

Max: 209.9 [g] at 0.007 [s]

Min: -17.3 [g] at 0.015 [s]



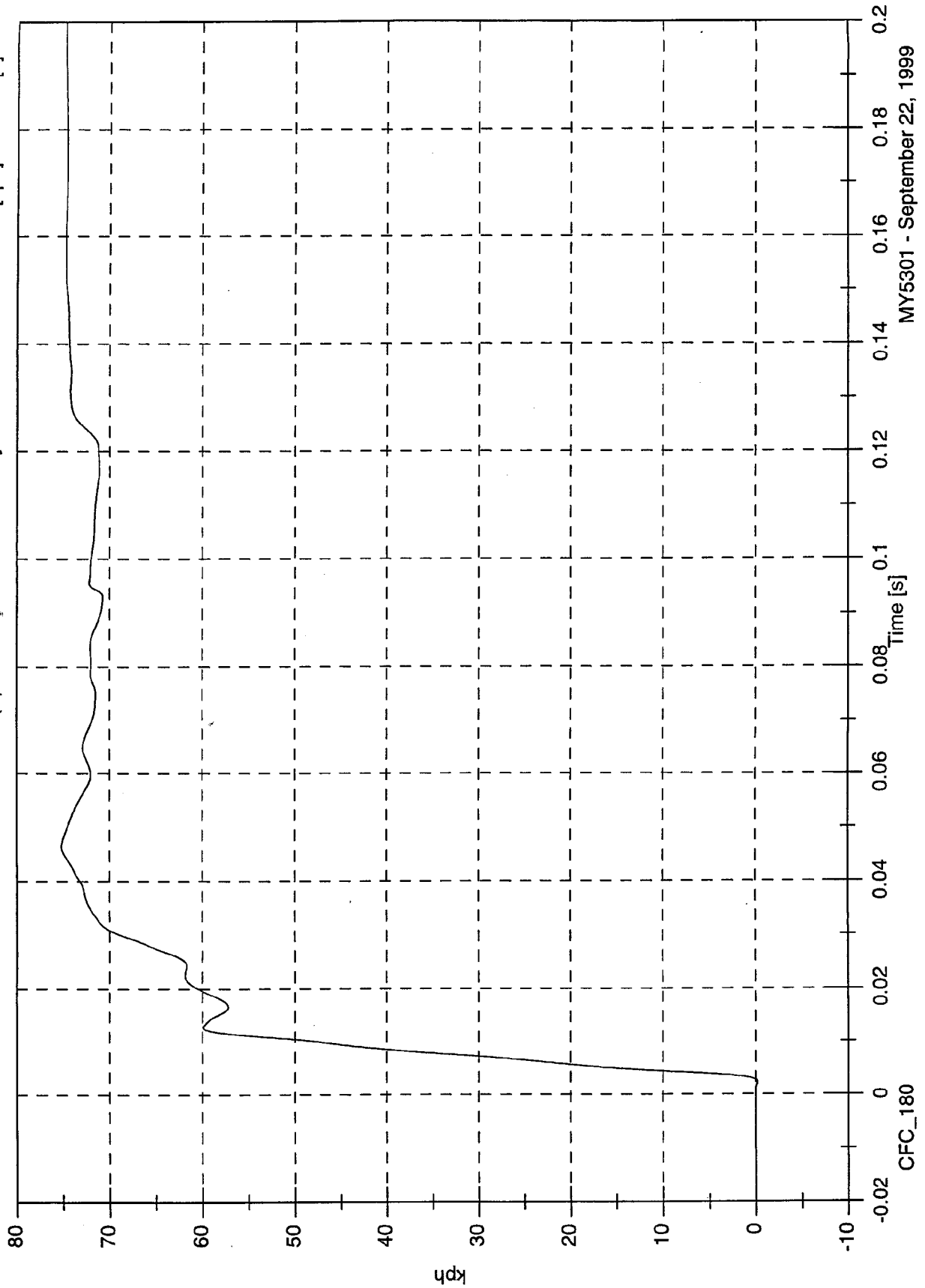
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 78.1 [kph] at 0.500 [s]

Min: -0.2 [kph] at 0.002 [s]

Acc 12(Y) Left Lower B Post Velocity



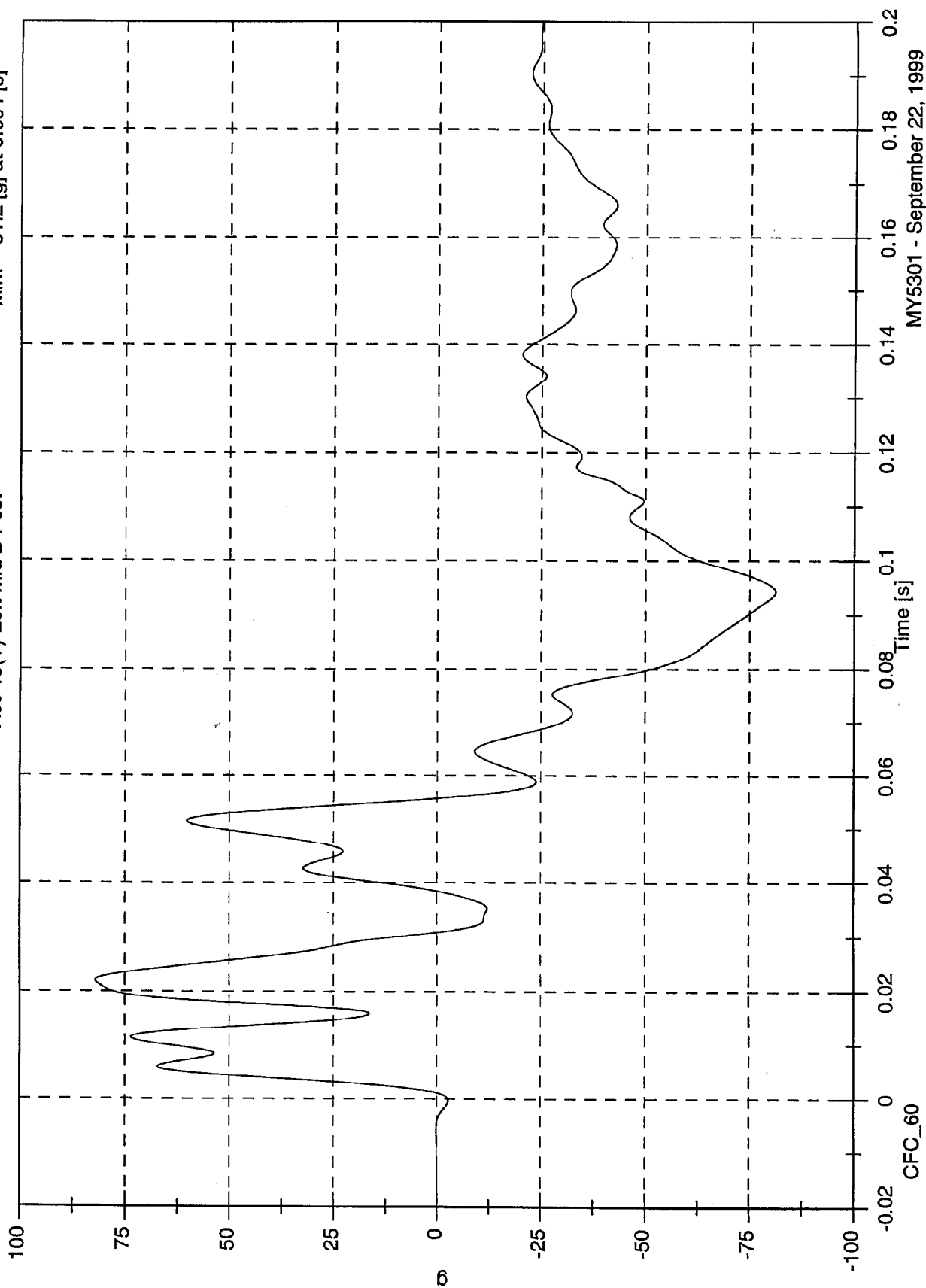
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 82.0 [g] at 0.022 [s]

Min: -81.2 [g] at 0.094 [s]

Acc 13(Y) Left Mid B Post



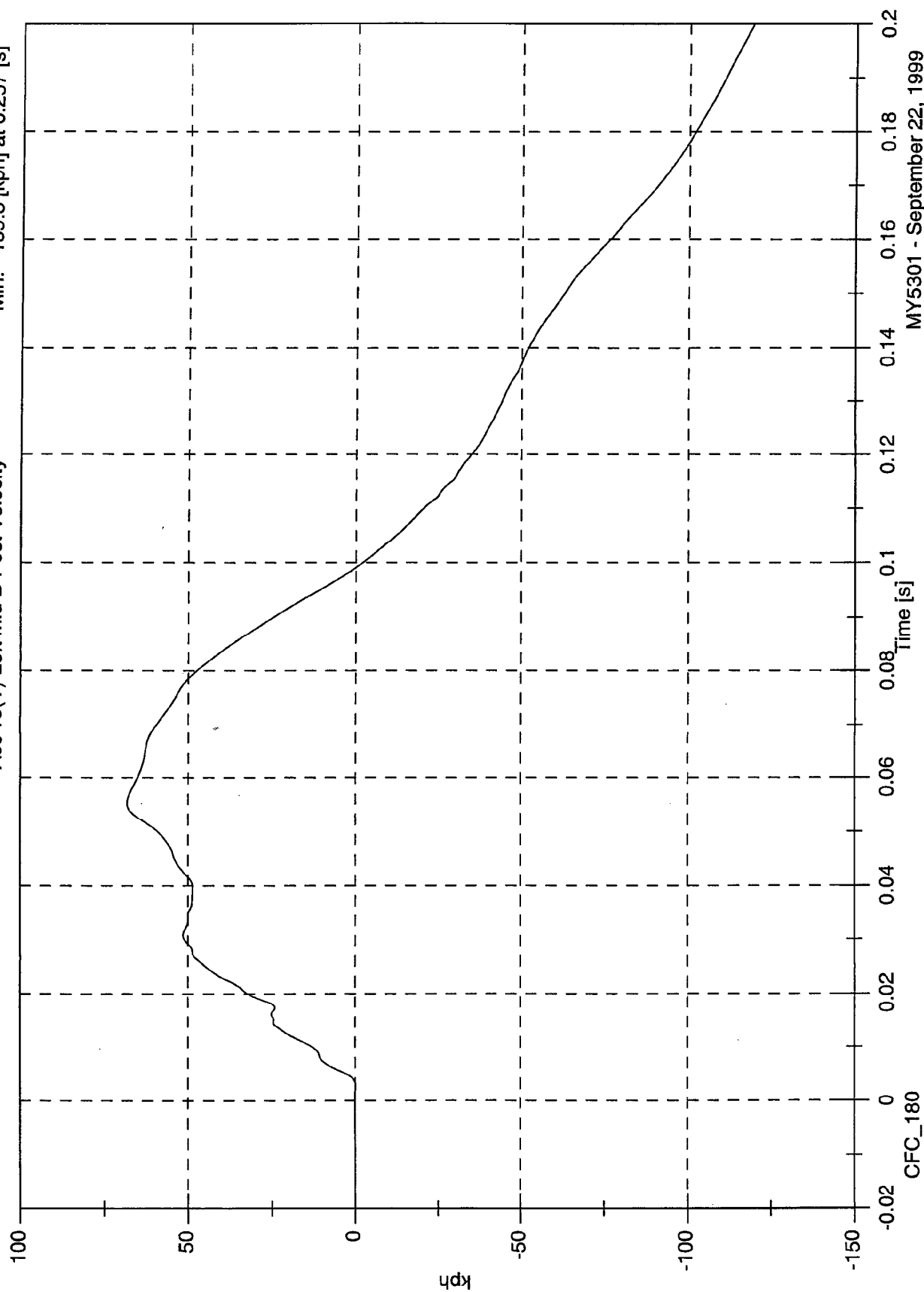
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 68.3 [kph] at 0.055 [s]

Min: -139.3 [kph] at 0.257 [s]

Acc 13(Y) Left Mid B Post Velocity

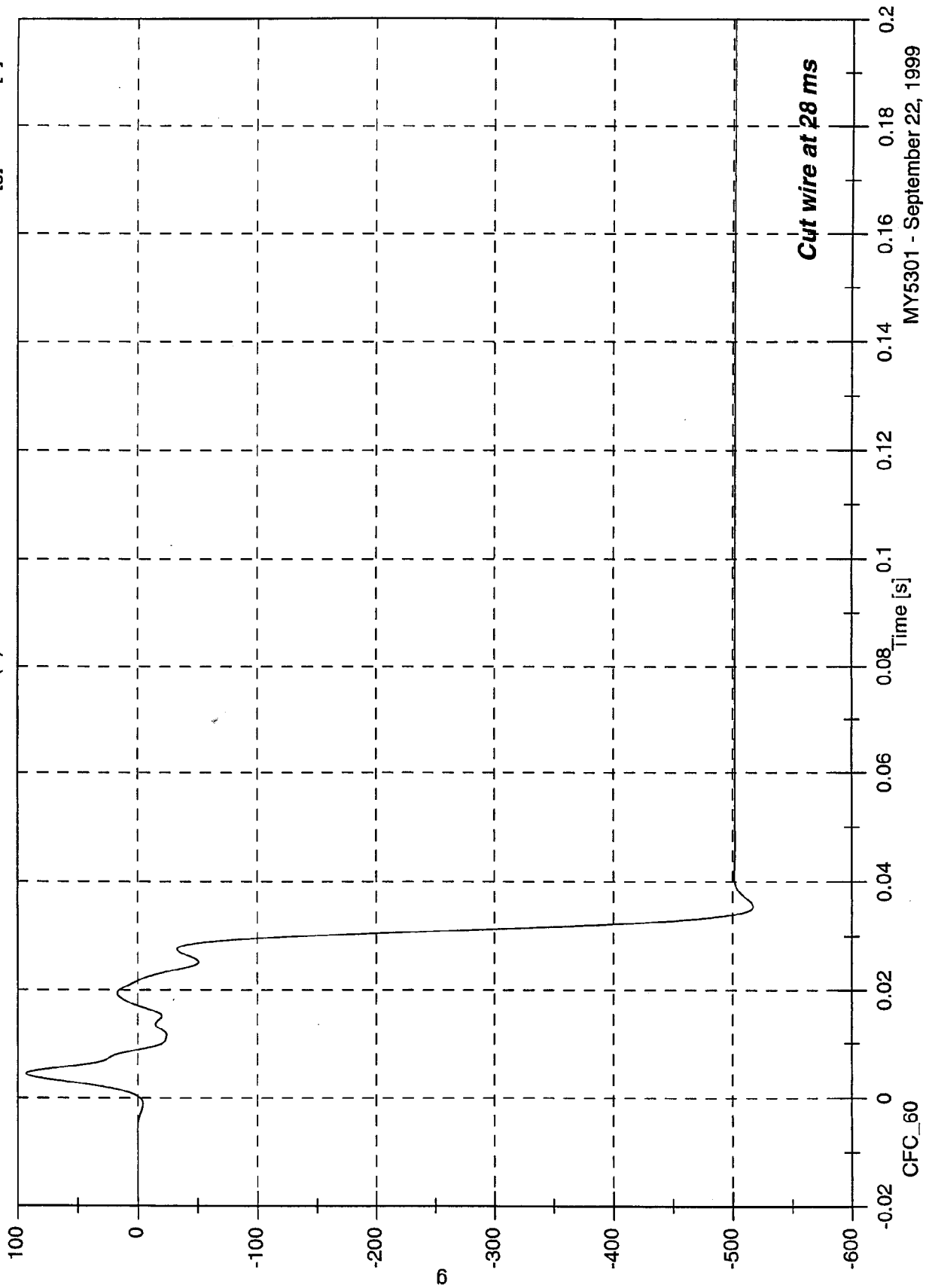


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 14(Y) Left Lower A Post

Max: 93.1 [g] at 0.004 [s]
Min: -517.1 [g] at 0.035 [s]

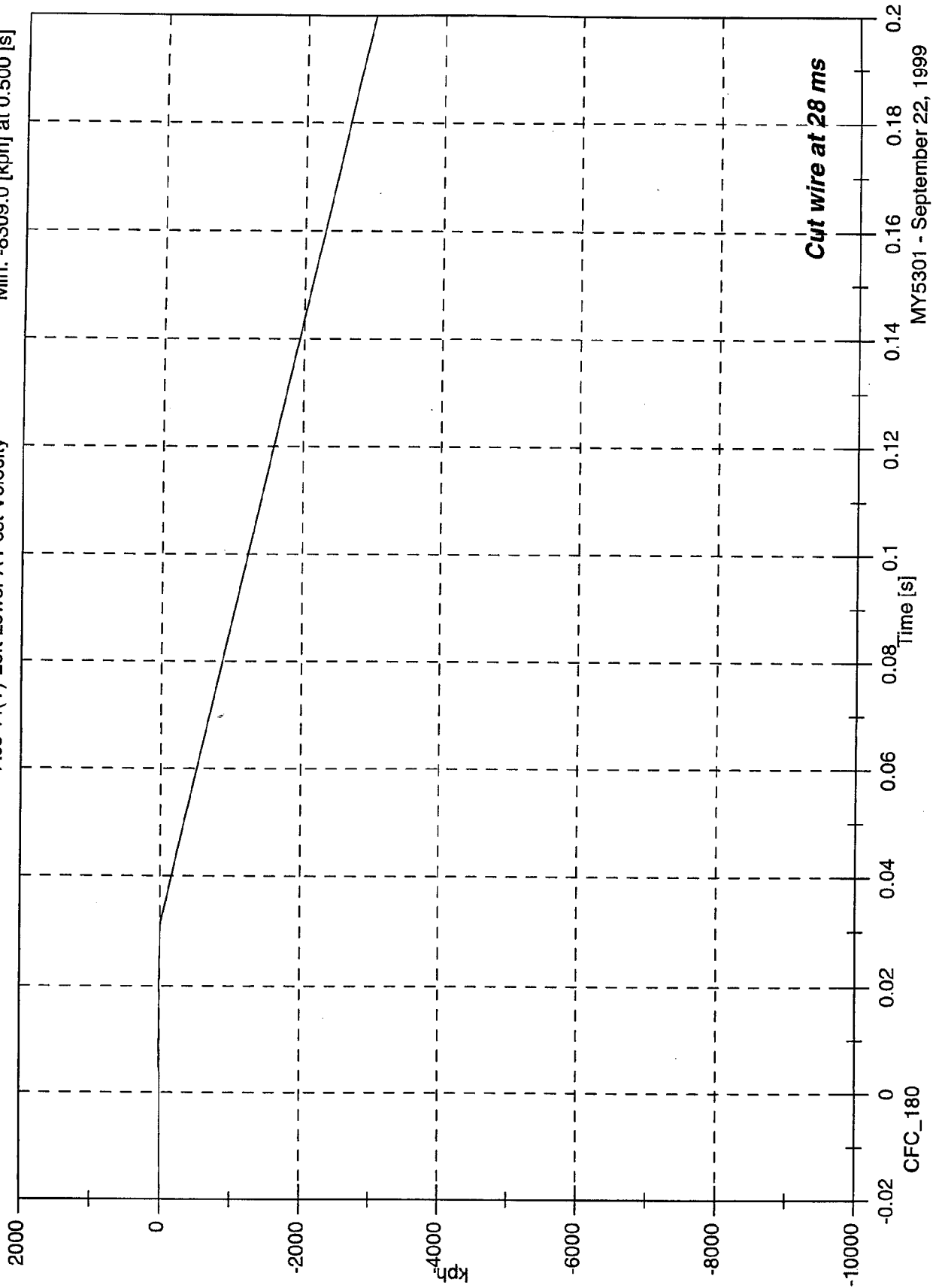


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 14(Y) Left Lower A Post Velocity

Max: 14.5 [kph] at 0.009 [s]
Min: -8309.0 [kph] at 0.500 [s]



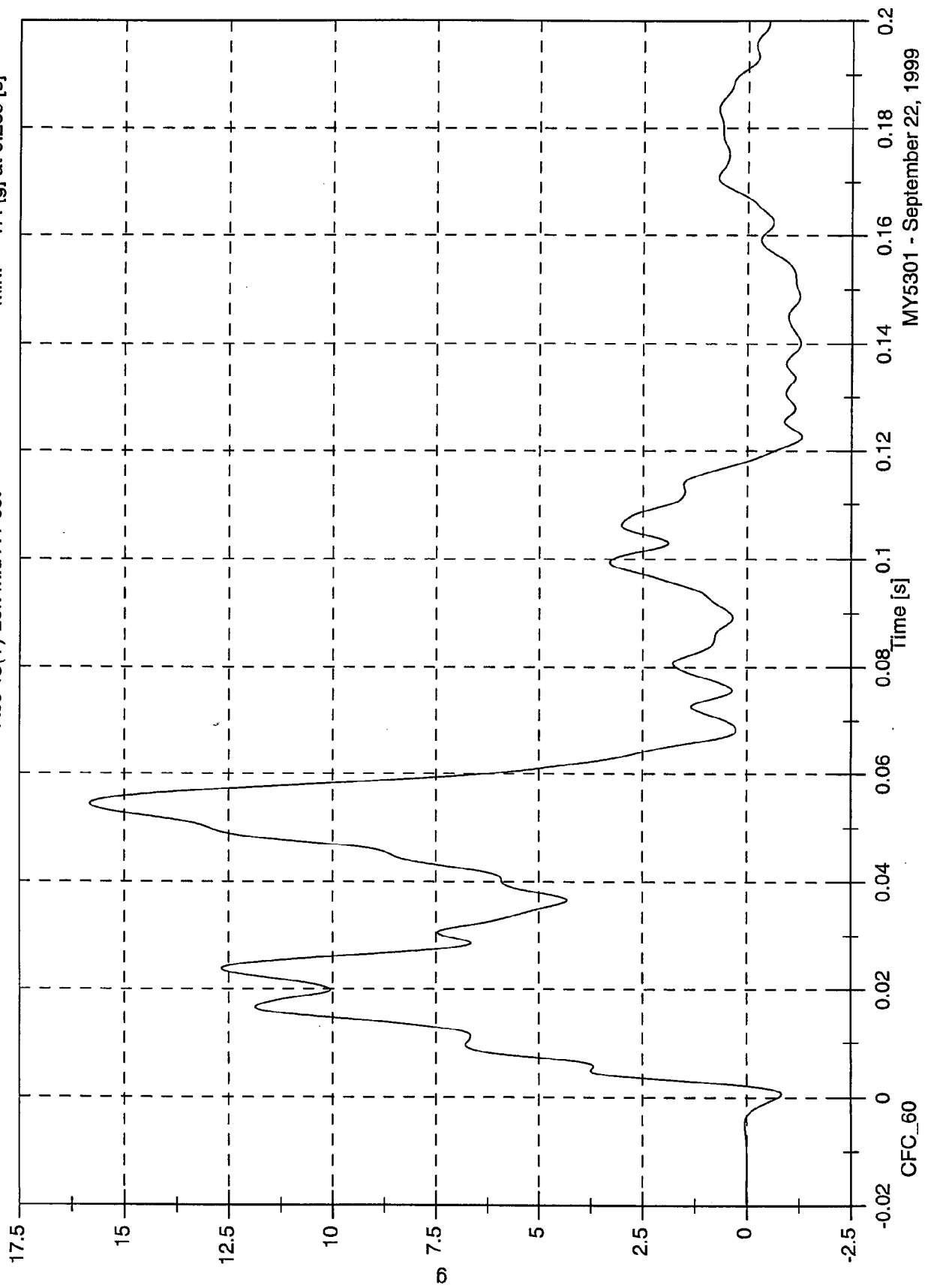
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 15.8 [g] at 0.054 [s]

Min: -1.4 [g] at 0.285 [s]

Acc 15(Y) Left Mid A Post



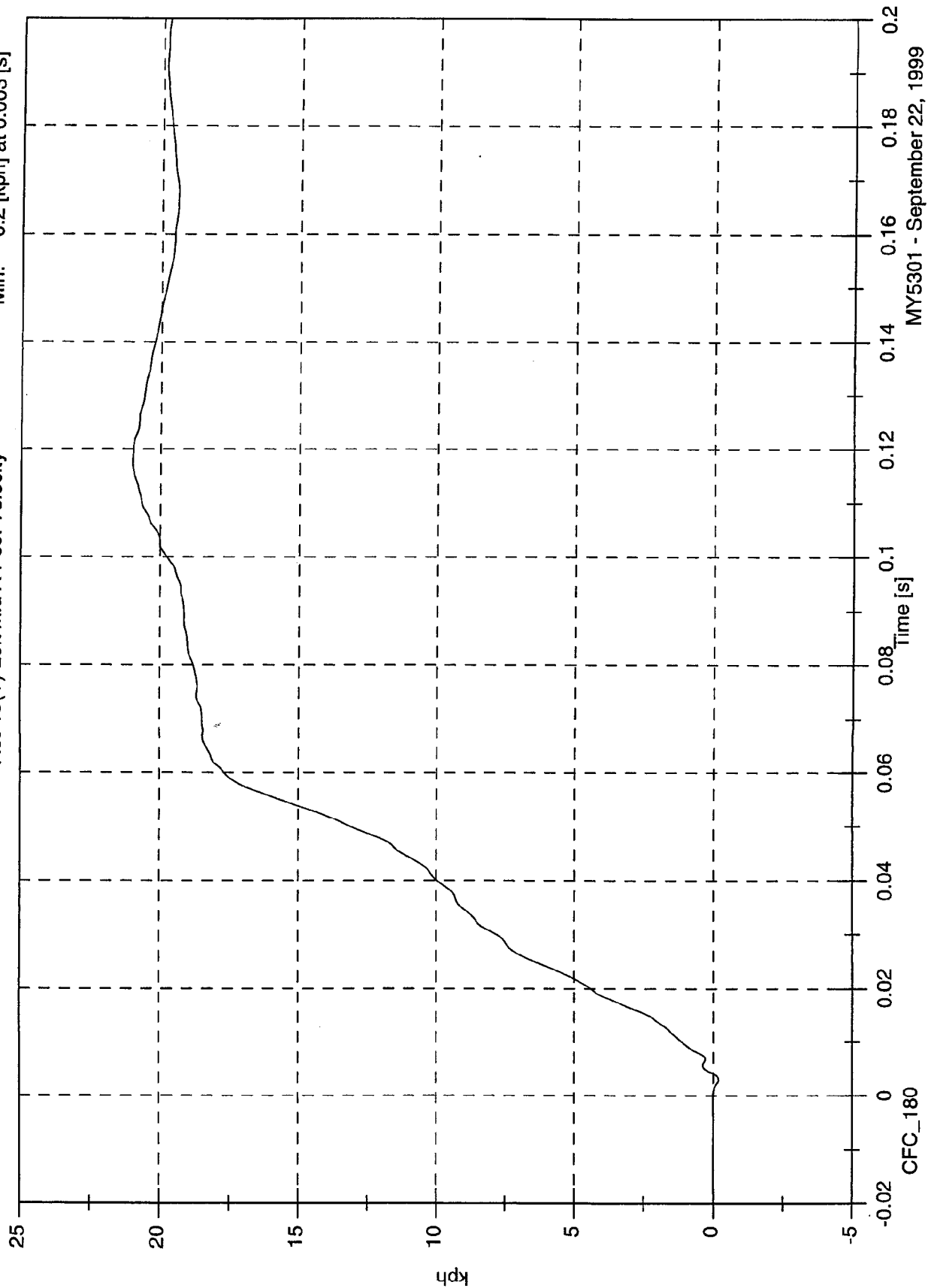
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 21.0 [kph] at 0.118 [s]

Min: -0.2 [kph] at 0.003 [s]

Acc 15(Y) Left Mid A Post Velocity



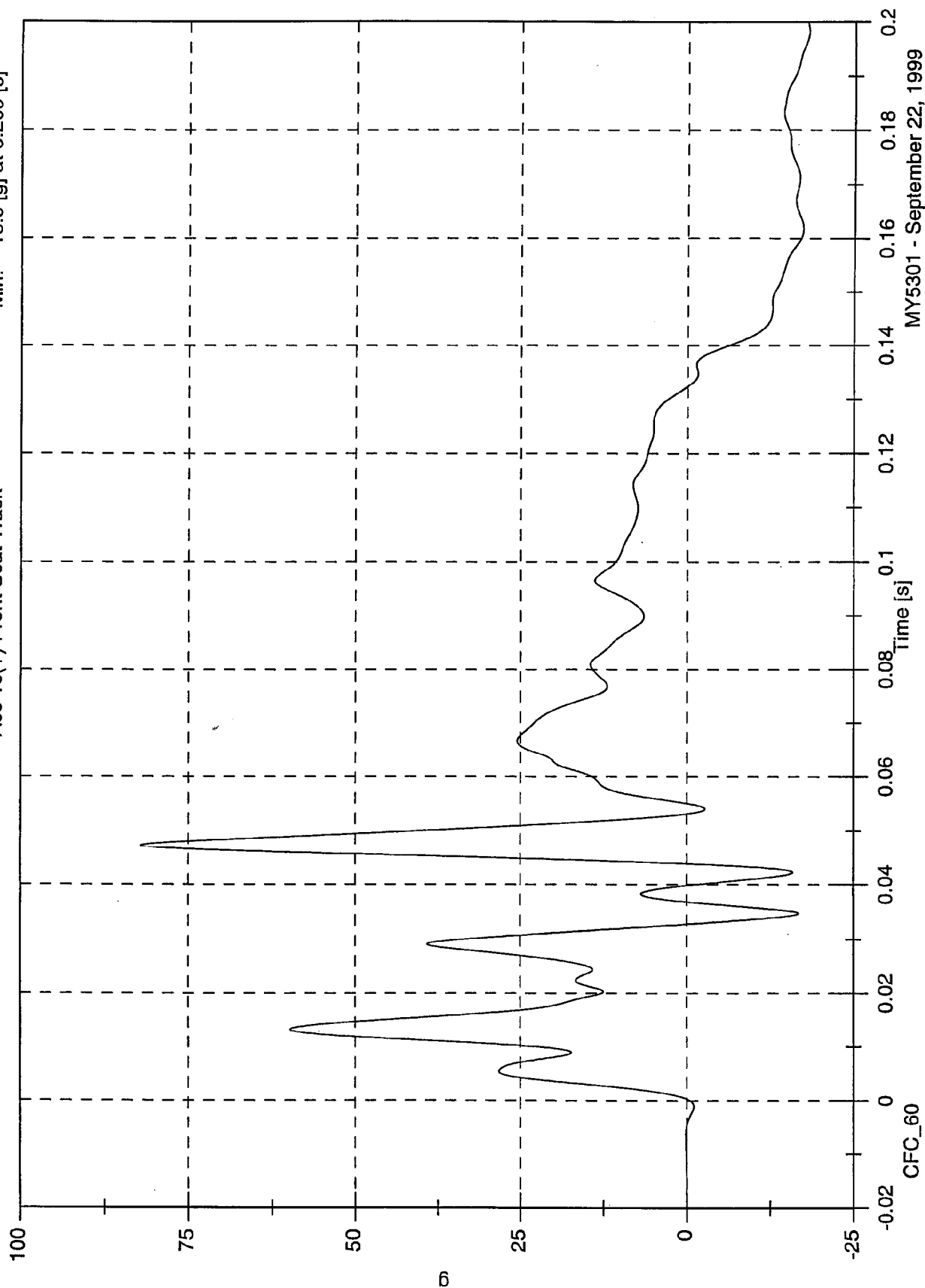
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 16(Y) Front Seat Track

Max: 82.1 [g] at 0.047 [s]

Min: -18.9 [g] at 0.209 [s]



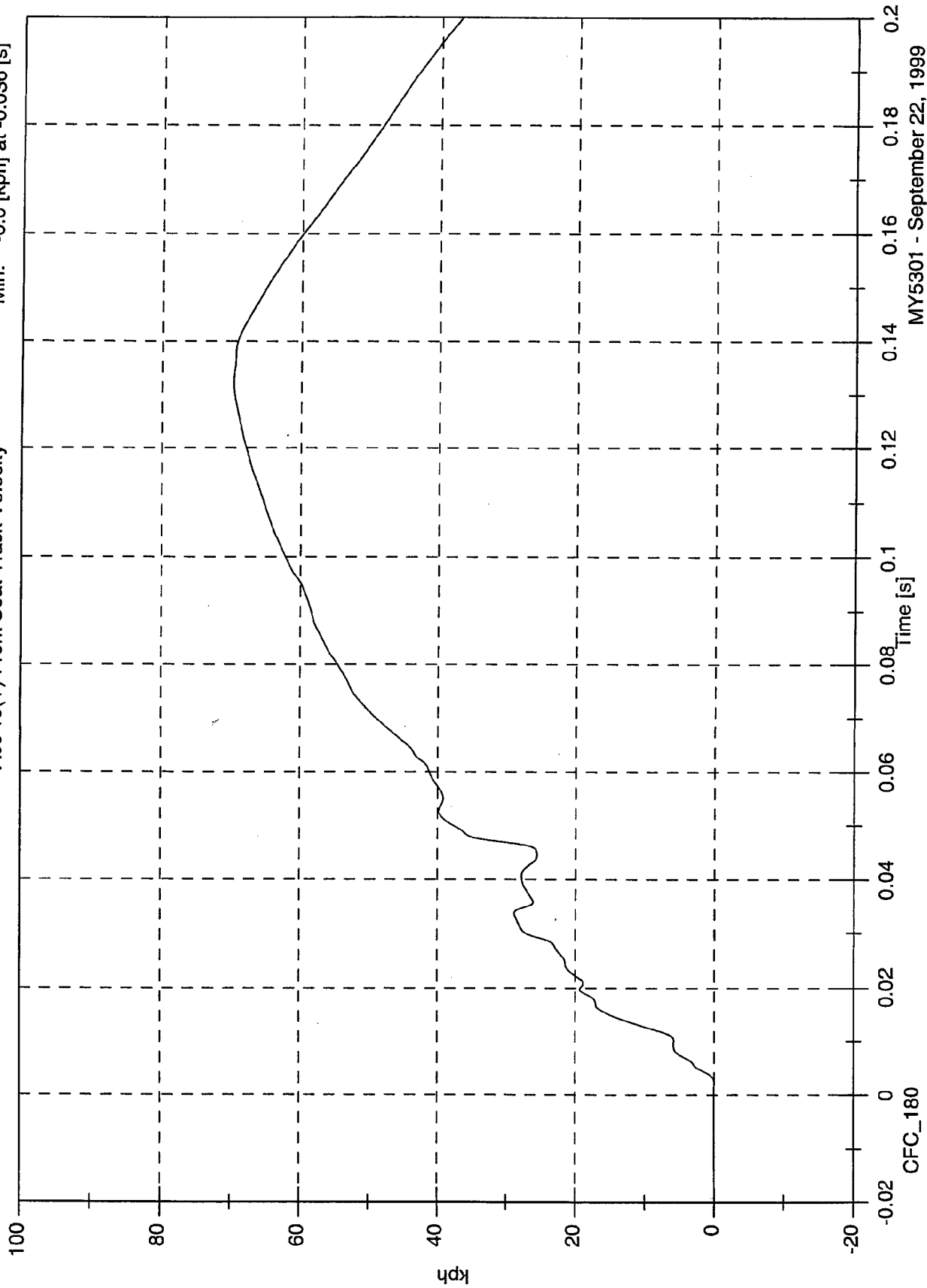
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 16(Y) Front Seat Track Velocity

Max: 81.8 [kph] at 0.464 [s]

Min: -0.0 [kph] at -0.036 [s]



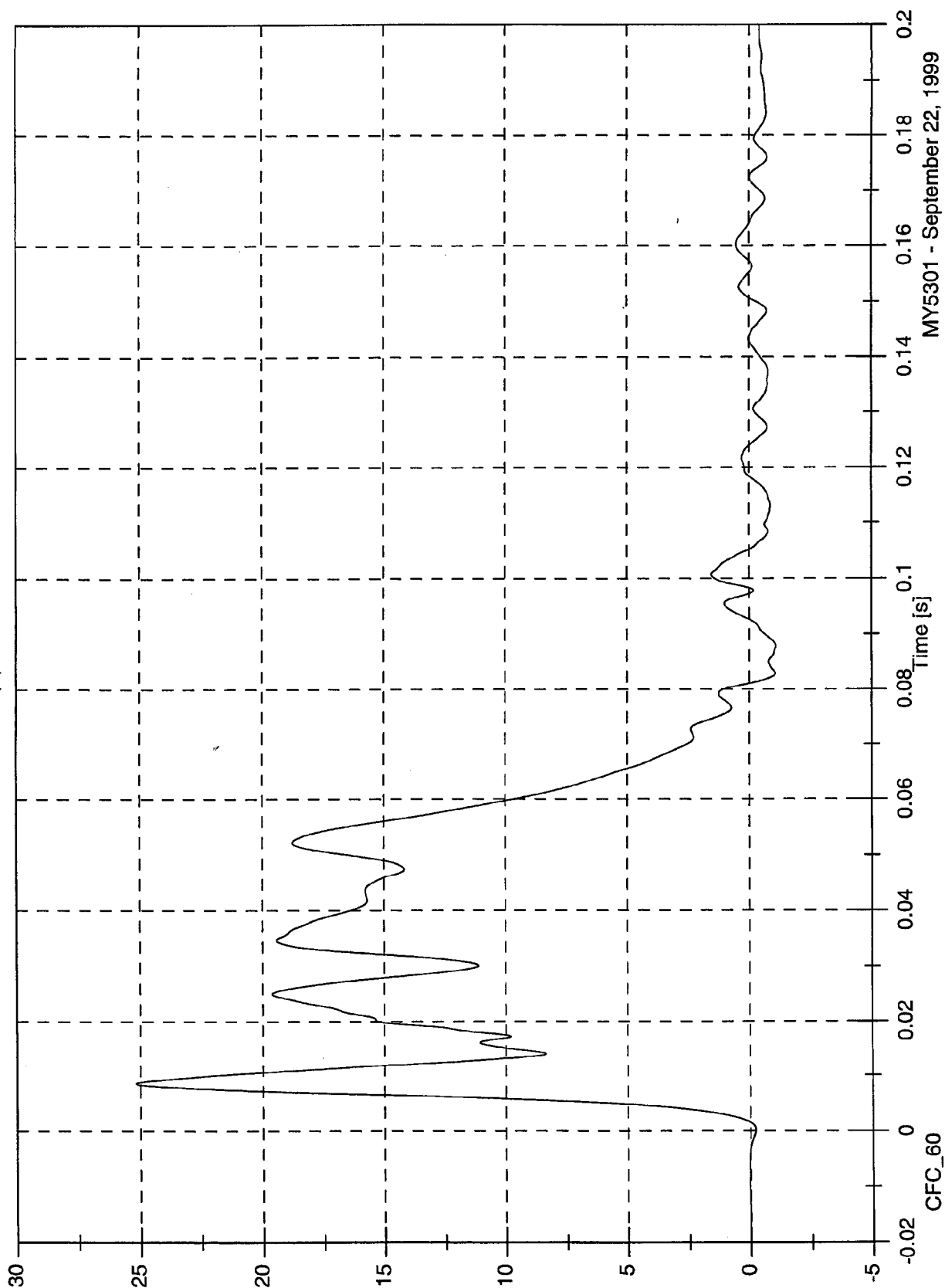
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 25.2 [g] at 0.009 [s]

Min: -1.1 [g] at 0.088 [s]

Acc 17(Y) Rear Seat Track



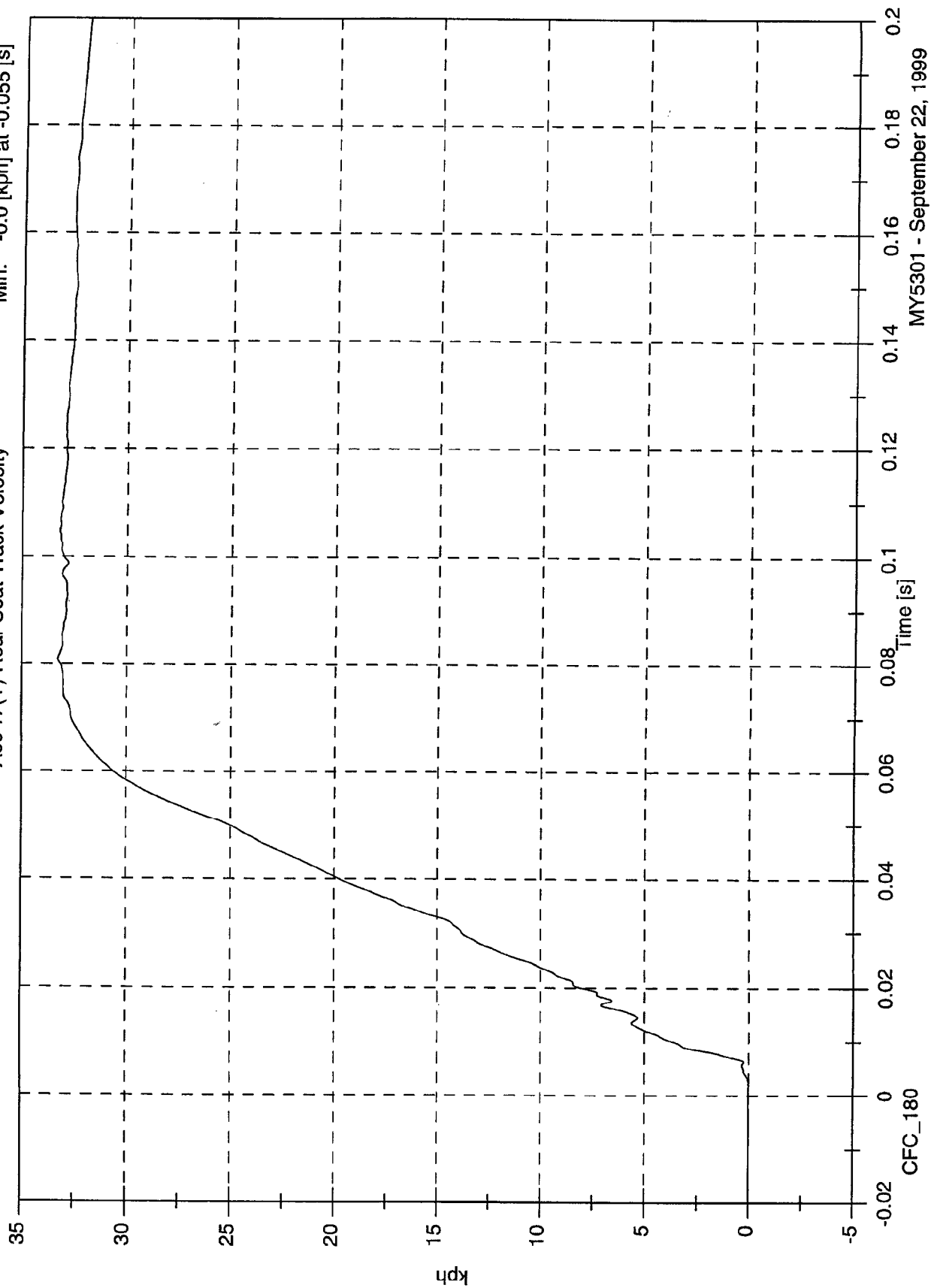
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 33.3 [kph] at 0.081 [s]

Min: -0.0 [kph] at -0.055 [s]

Acc 17(Y) Rear Seat Track Velocity



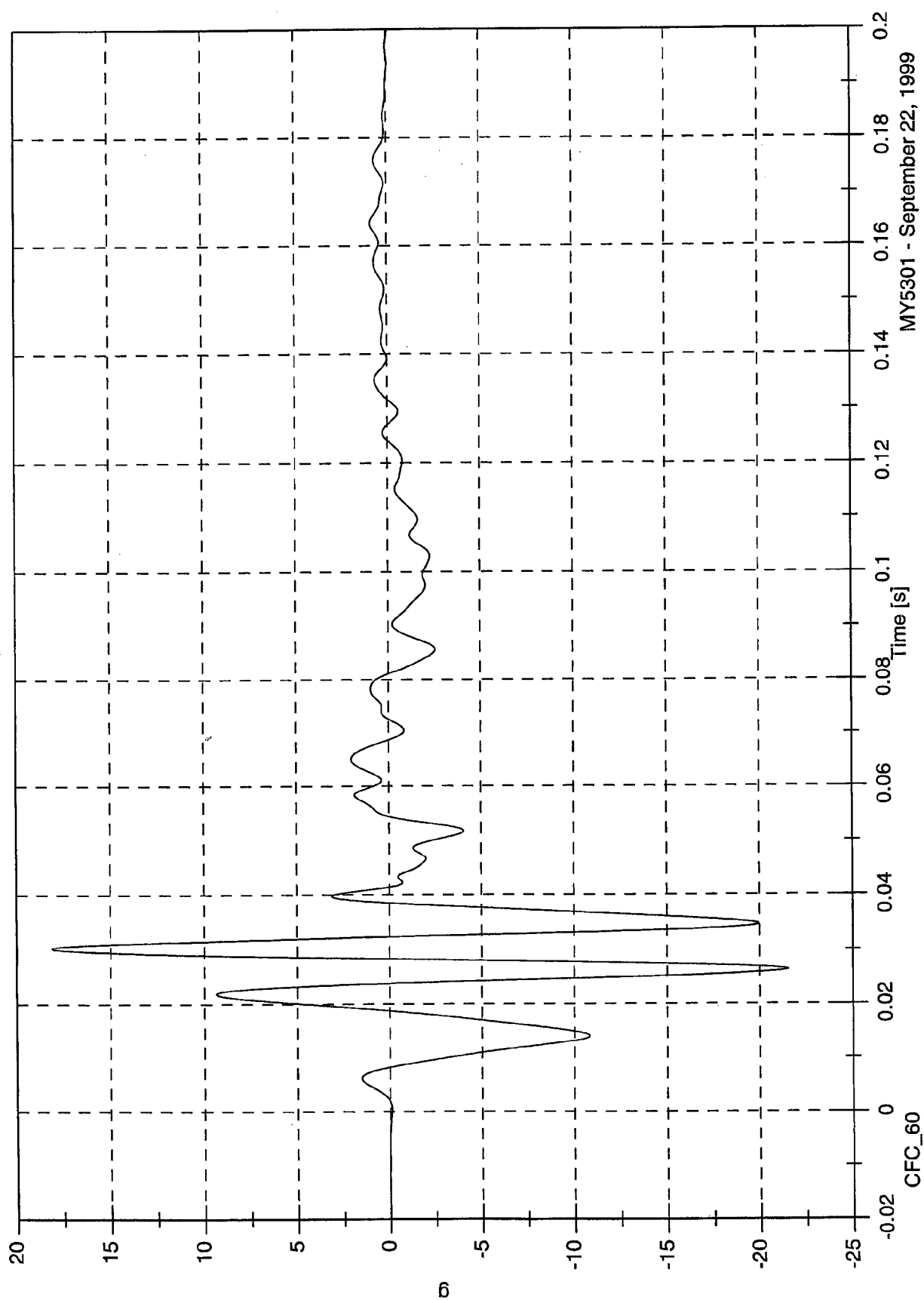
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 18.1 [g] at 0.030 [s]

Min: -21.5 [g] at 0.026 [s]

Acc 18(X) Target CG

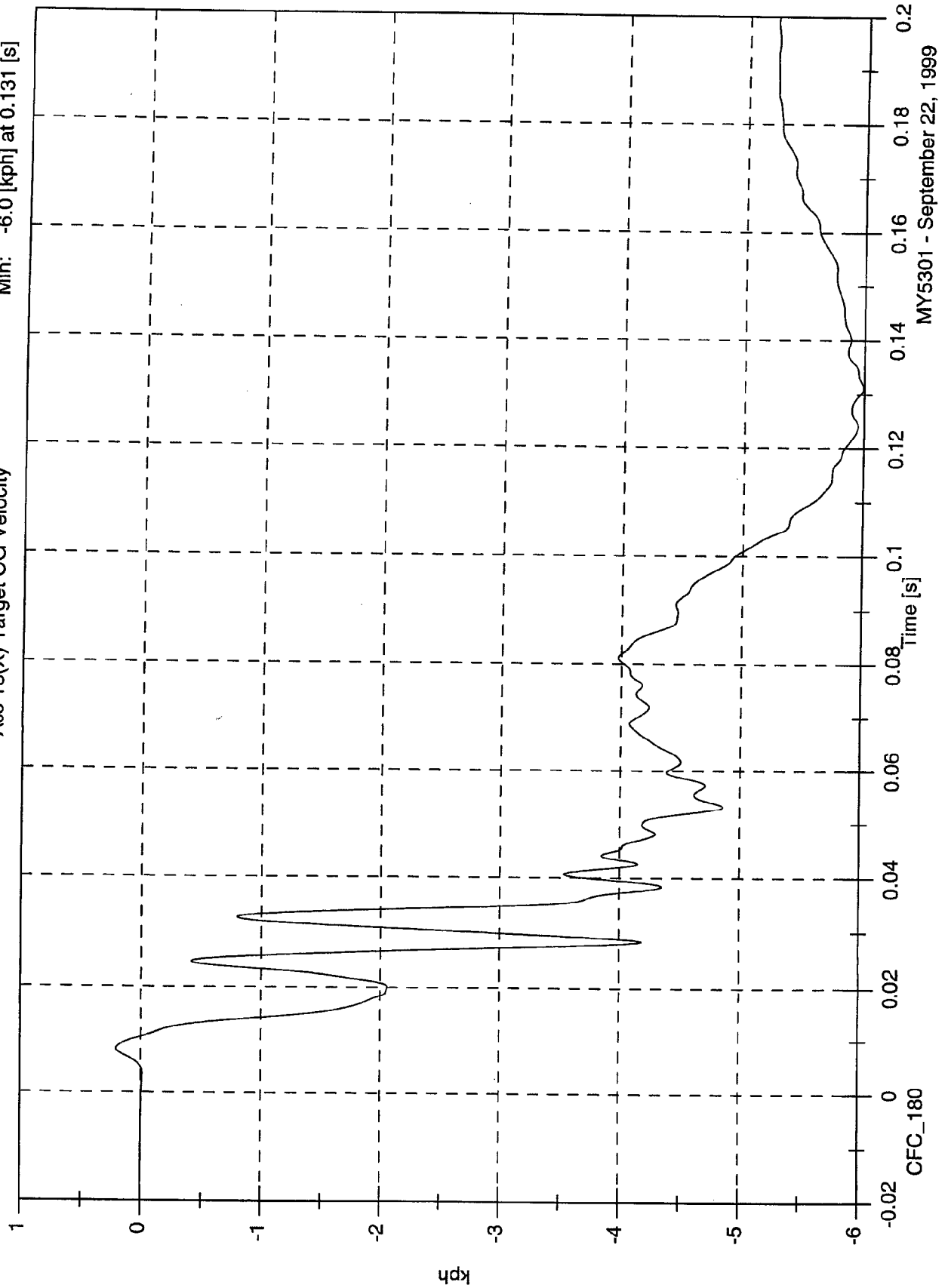


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 0.2 [kph] at 0.008 [s]
 Min: -6.0 [kph] at 0.131 [s]

Acc 18(X) Target CG Velocity



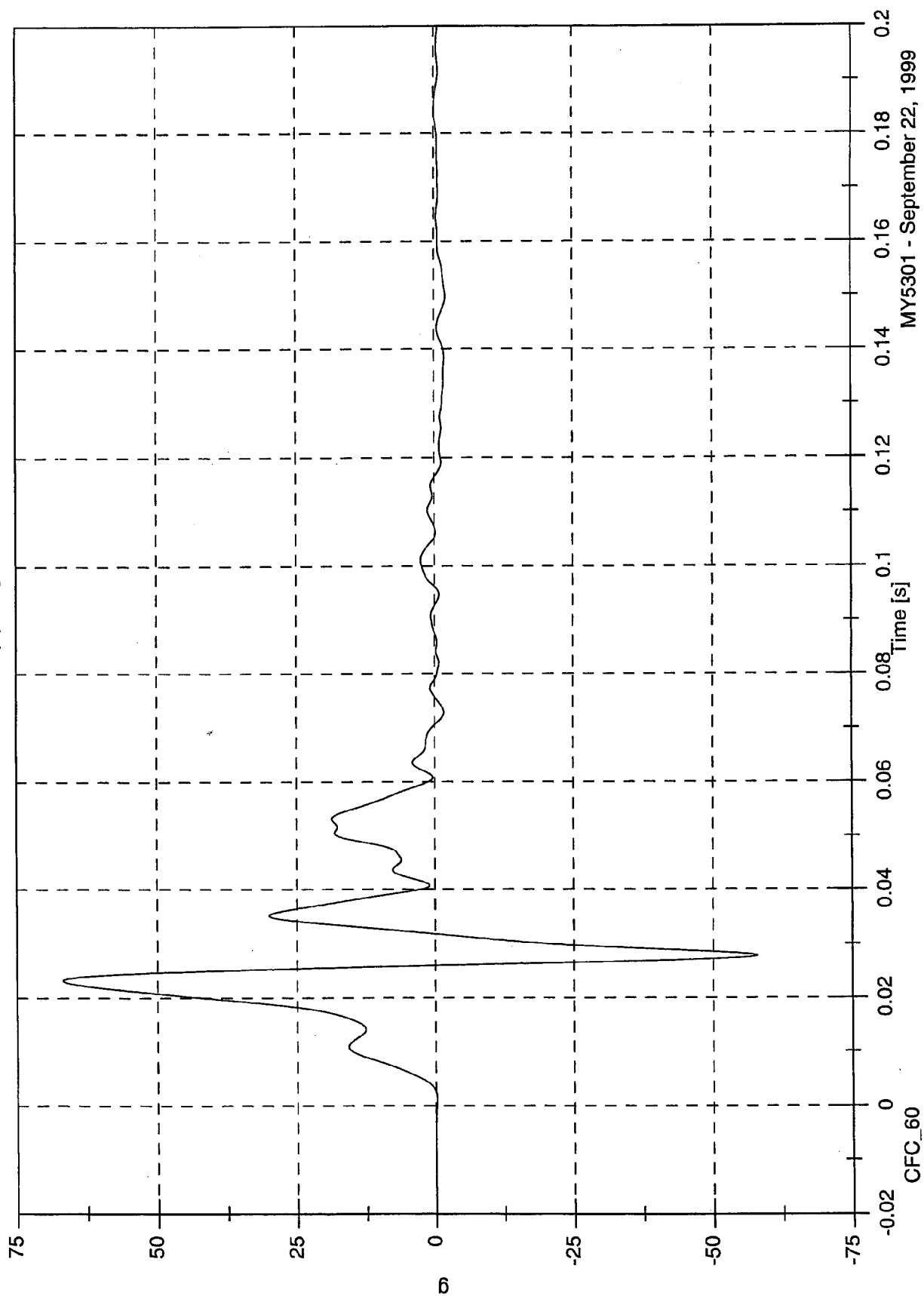
MY5301 - September 22, 1999

SNICAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 66.8 [g] at 0.023 [s]

Min: -57.9 [g] at 0.028 [s]

Acc 18(Y) Target CG

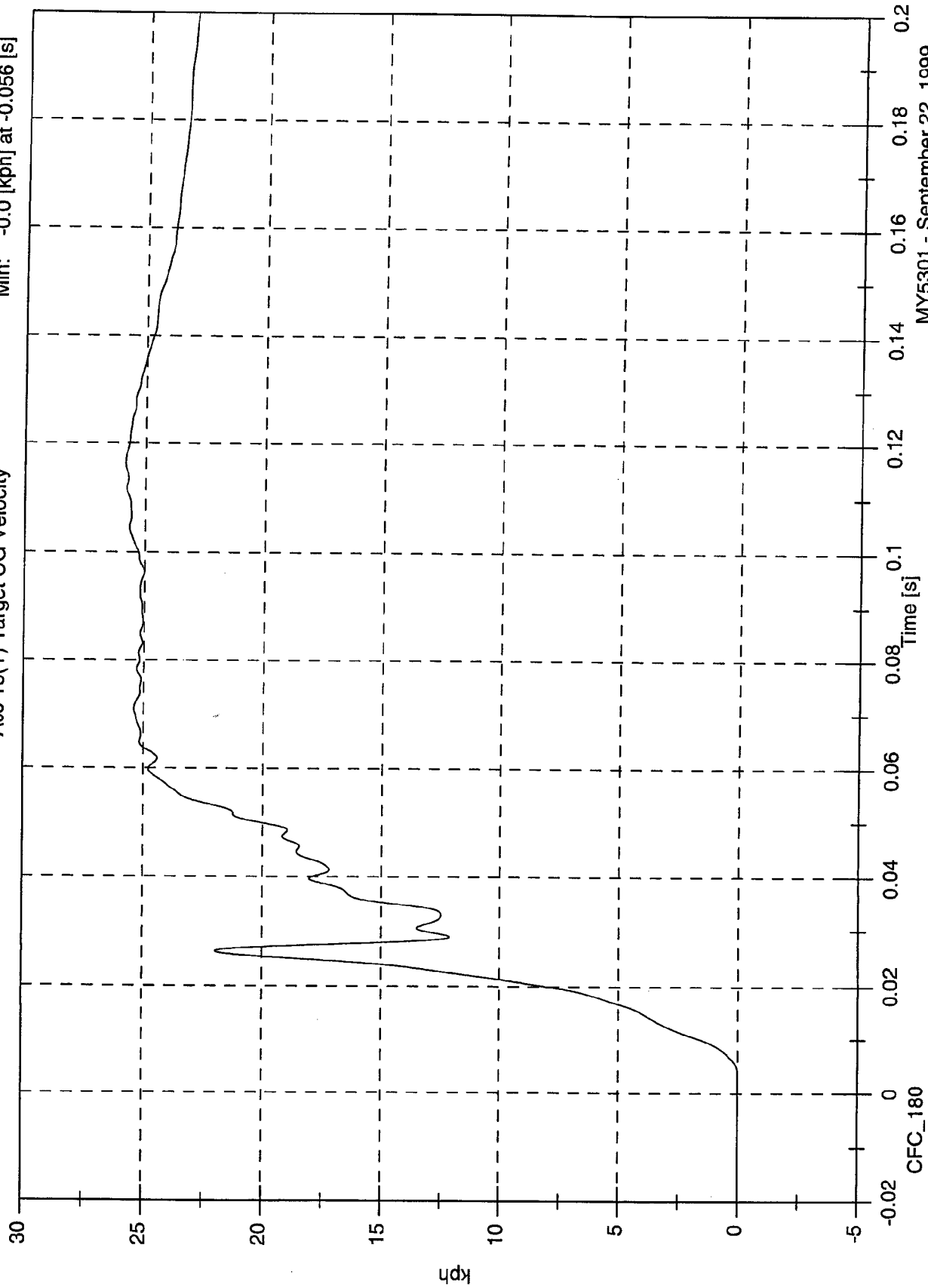


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 25.8 [kph] at 0.116 [s]
 Min: -0.0 [kph] at -0.056 [s]

Acc 18(Y) Target CG Velocity

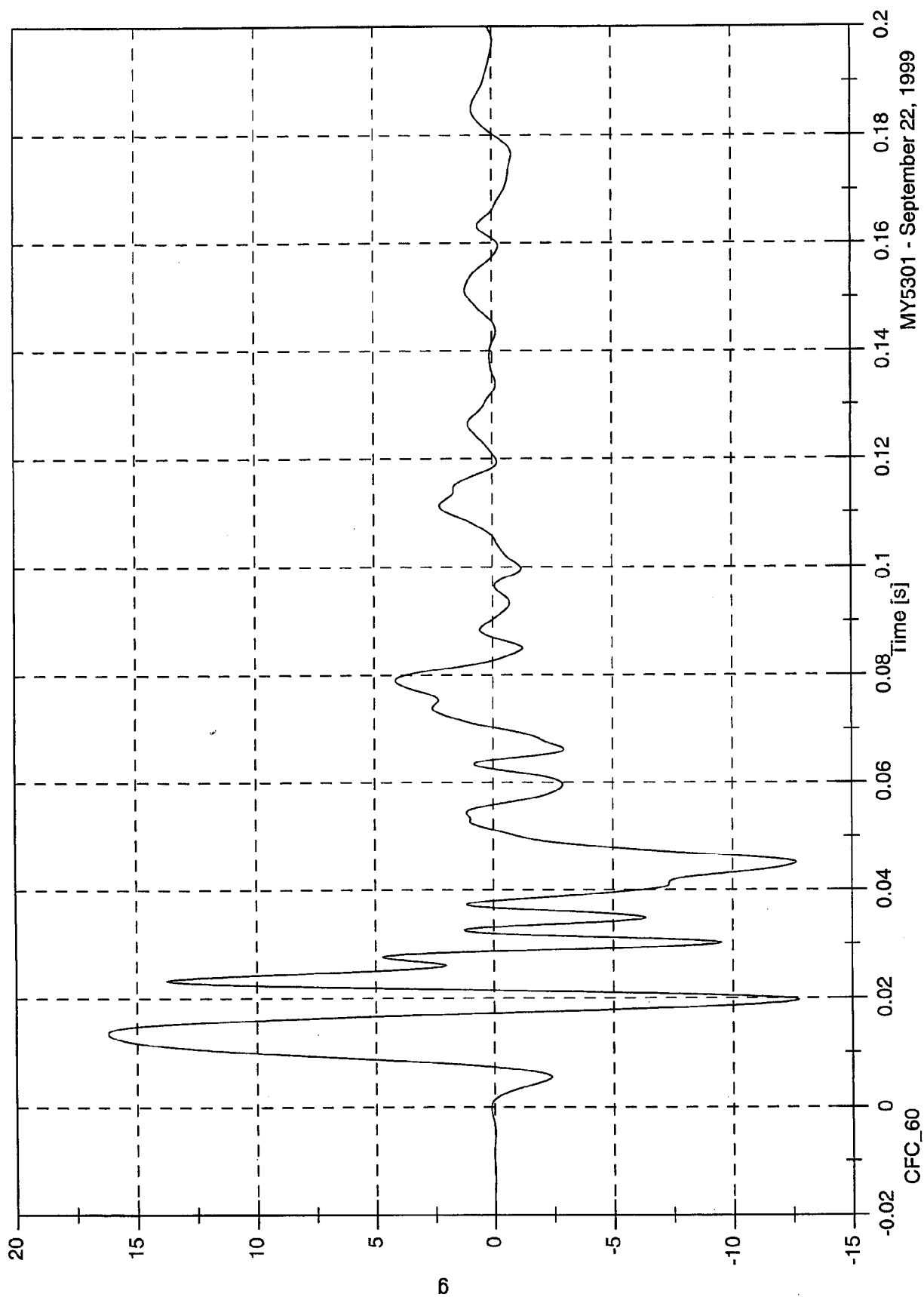


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 16.2 [g] at 0.014 [s]
Min: -12.8 [g] at 0.020 [s]

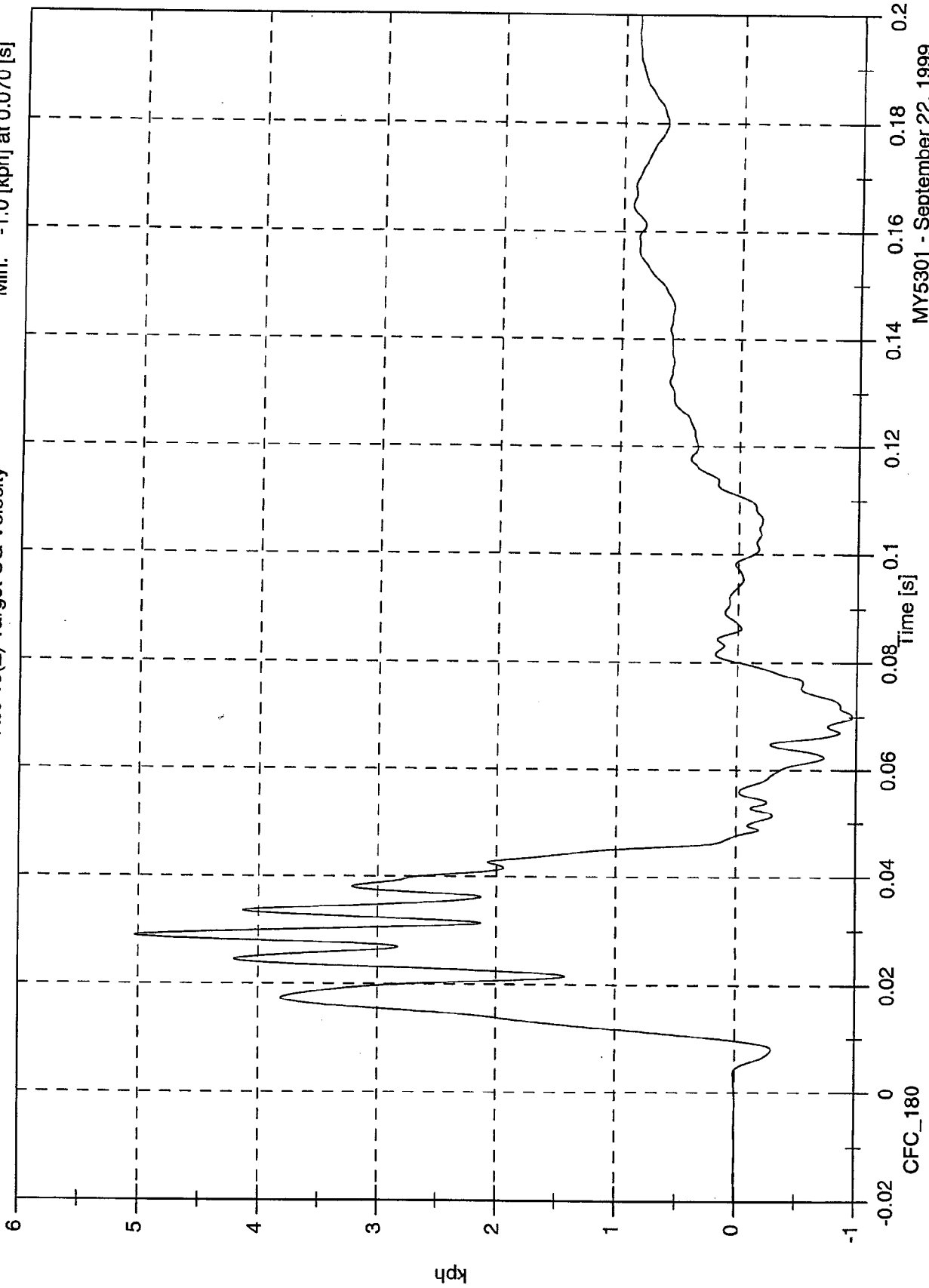
Acc 18(Z) Target CG



SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 5.0 [kph] at 0.029 [s]
Min: -1.0 [kph] at 0.070 [s]

Acc 18(Z) Target CG Velocity

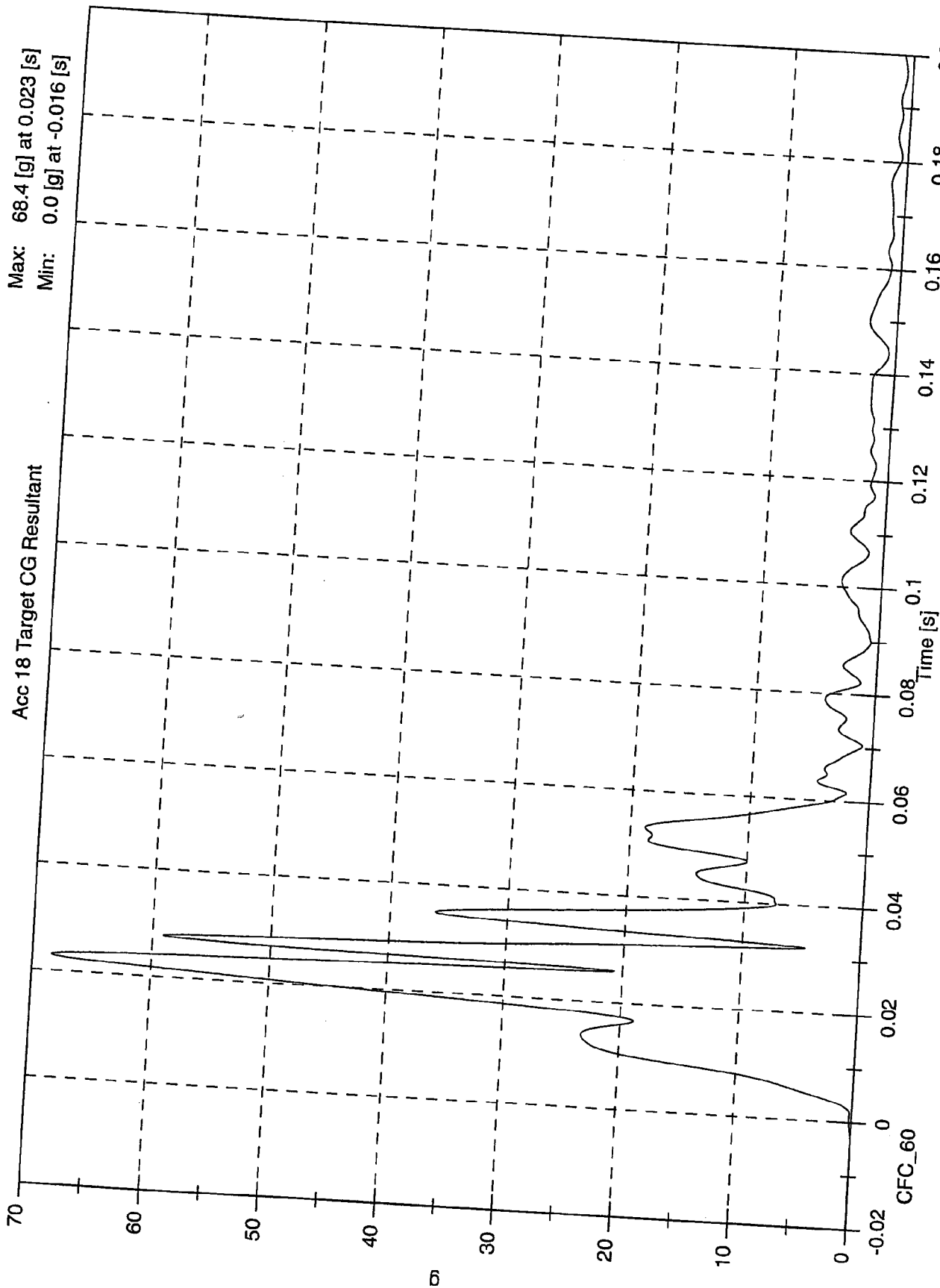


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Acc 18 Target CG Resultant

Max: 68.4 [g] at 0.023 [s]
Min: 0.0 [g] at -0.016 [s]

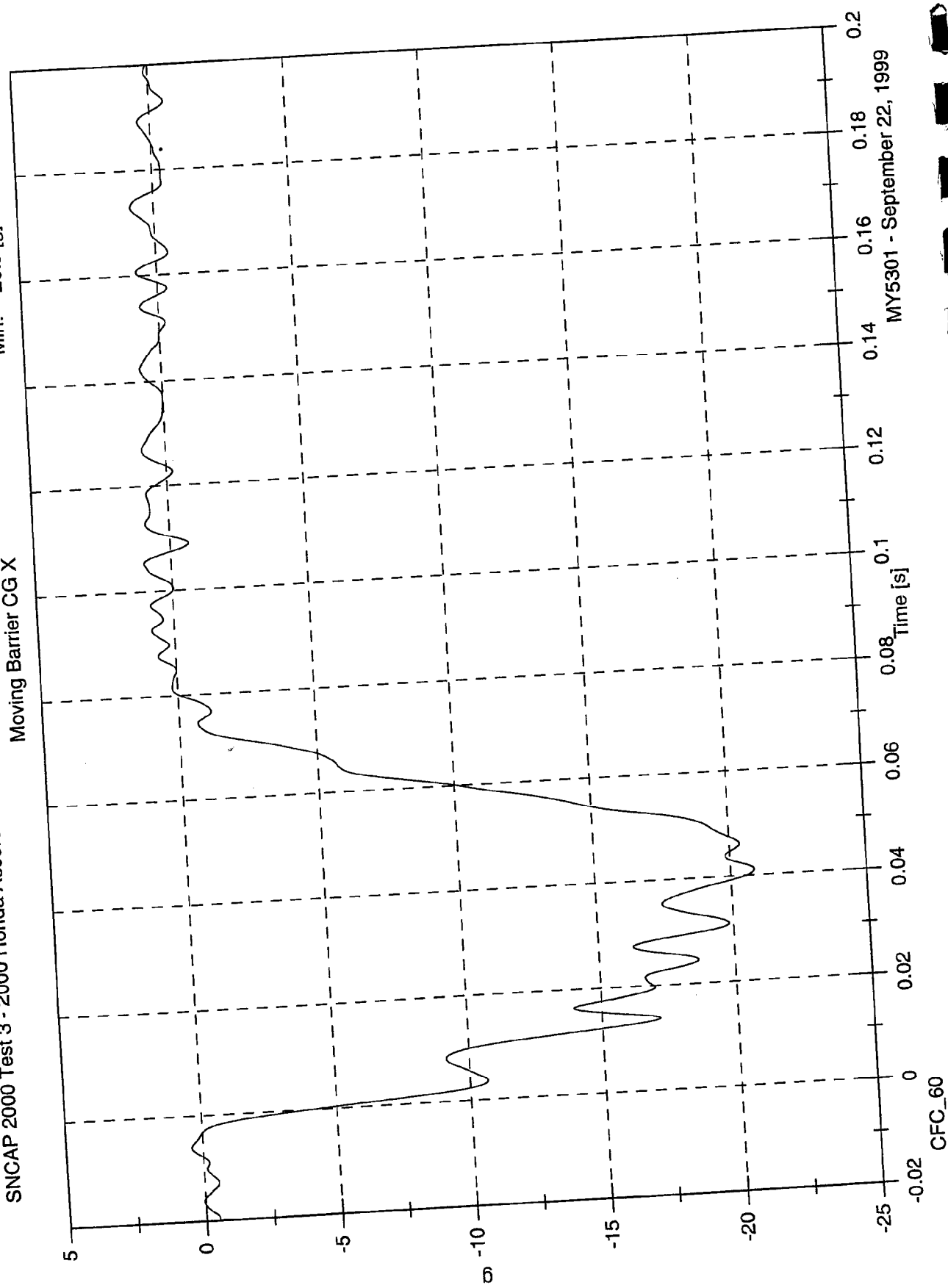


MY5301 - September 22, 1999

Max: 1.3 [g] at -0.100 [s]
Min: -20.9 [g] at 0.041 [s]

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Moving Barrier CG X

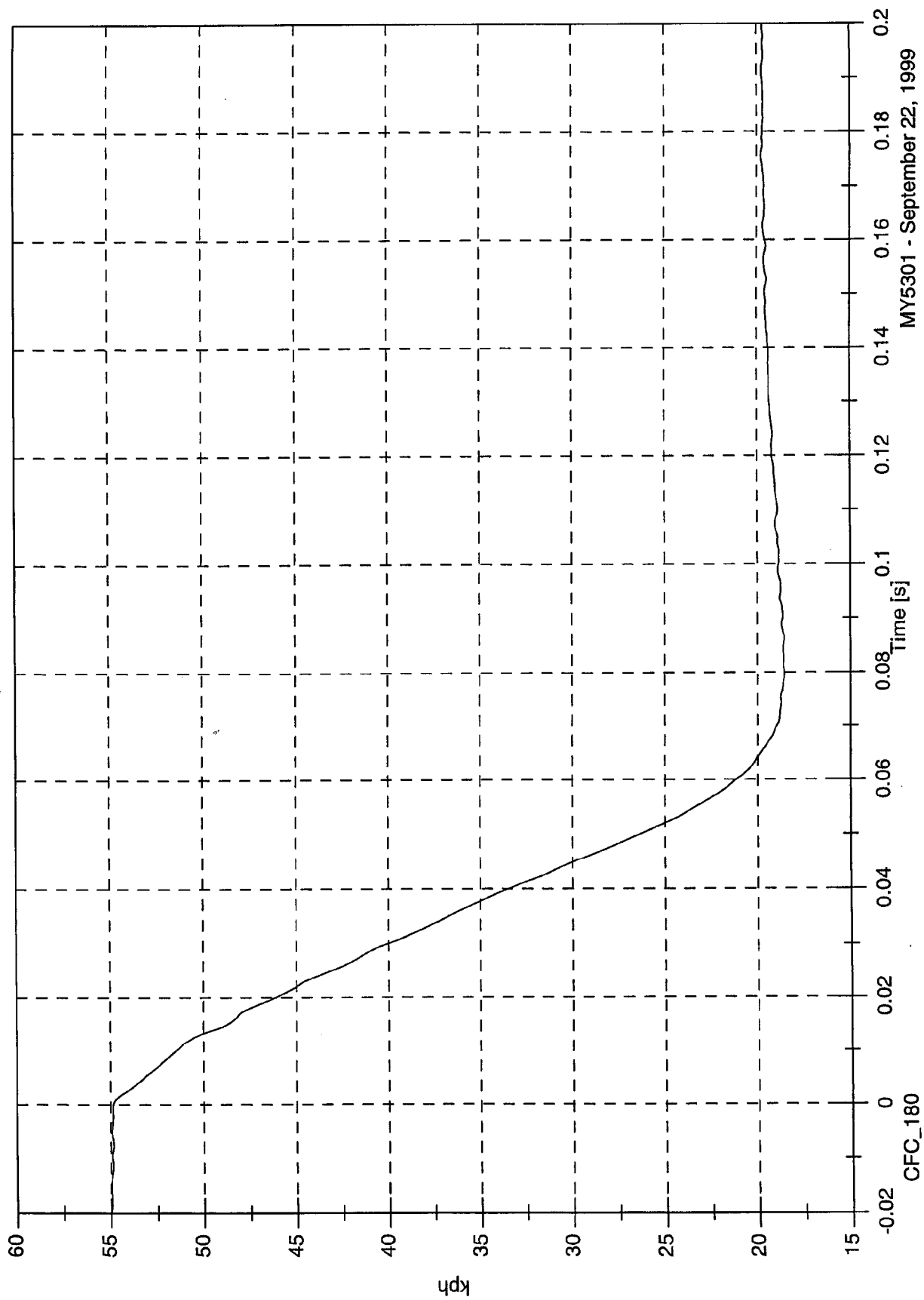


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 55.1 [kph] at -0.042 [s]
 Min: 18.2 [kph] at 0.498 [s]

Moving Barrier CG X Velocity



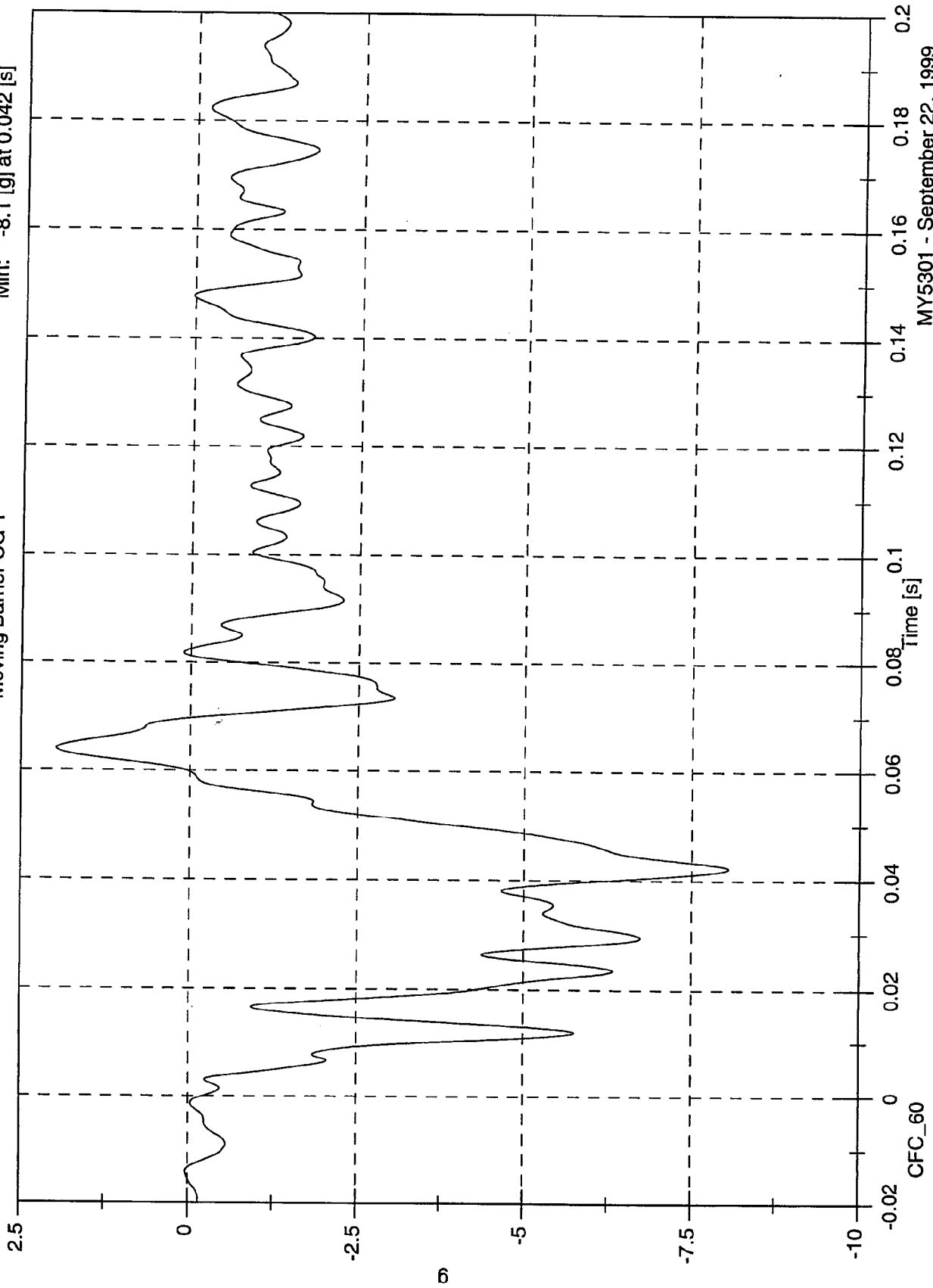
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 2.0 [g] at 0.064 [s]

Min: -8.1 [g] at 0.042 [s]

Moving Barrier CG Y

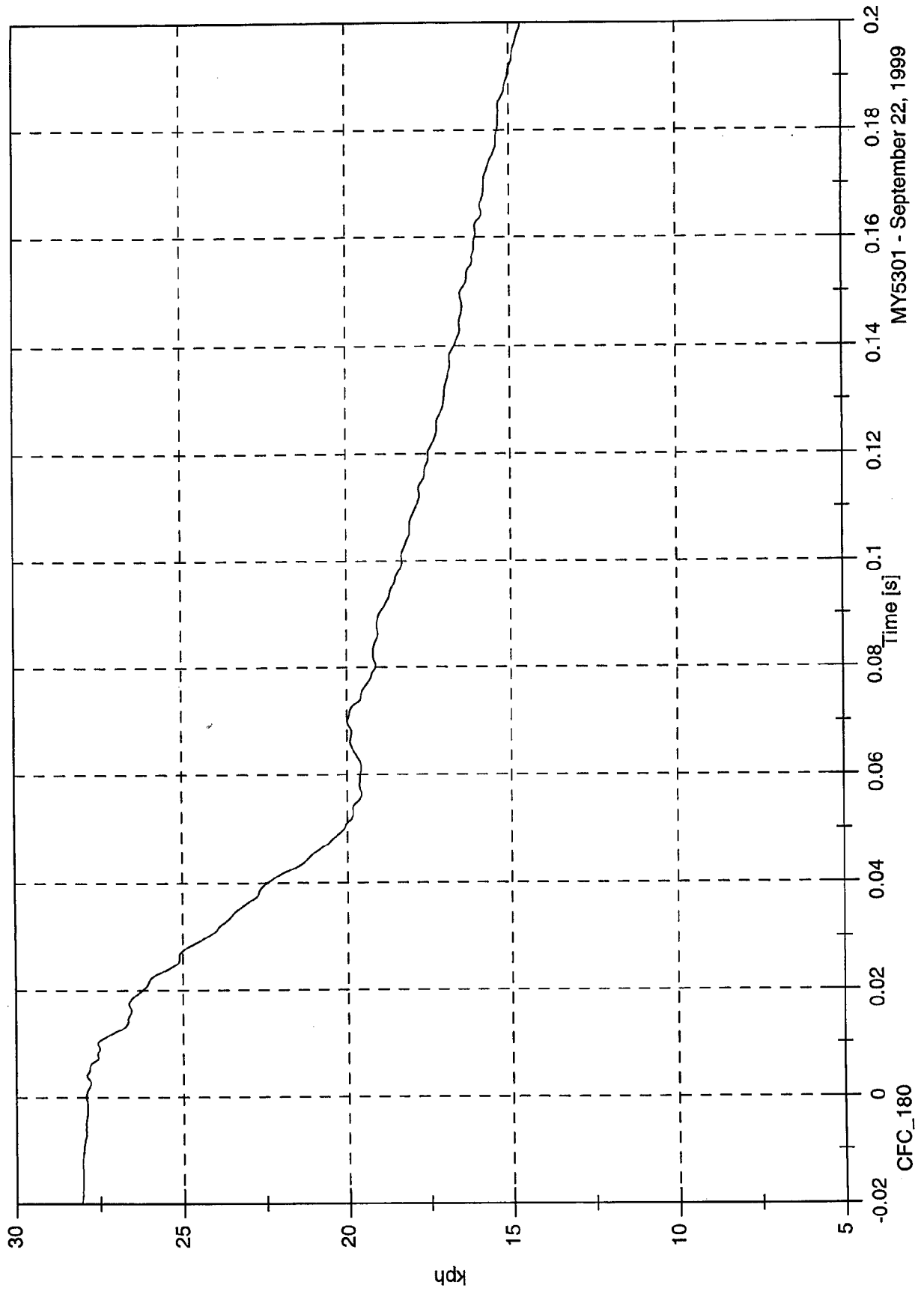


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Moving Barrier CG Y Velocity

Max: 28.2 [kph] at -0.033 [s]
Min: 5.6 [kph] at 0.500 [s]



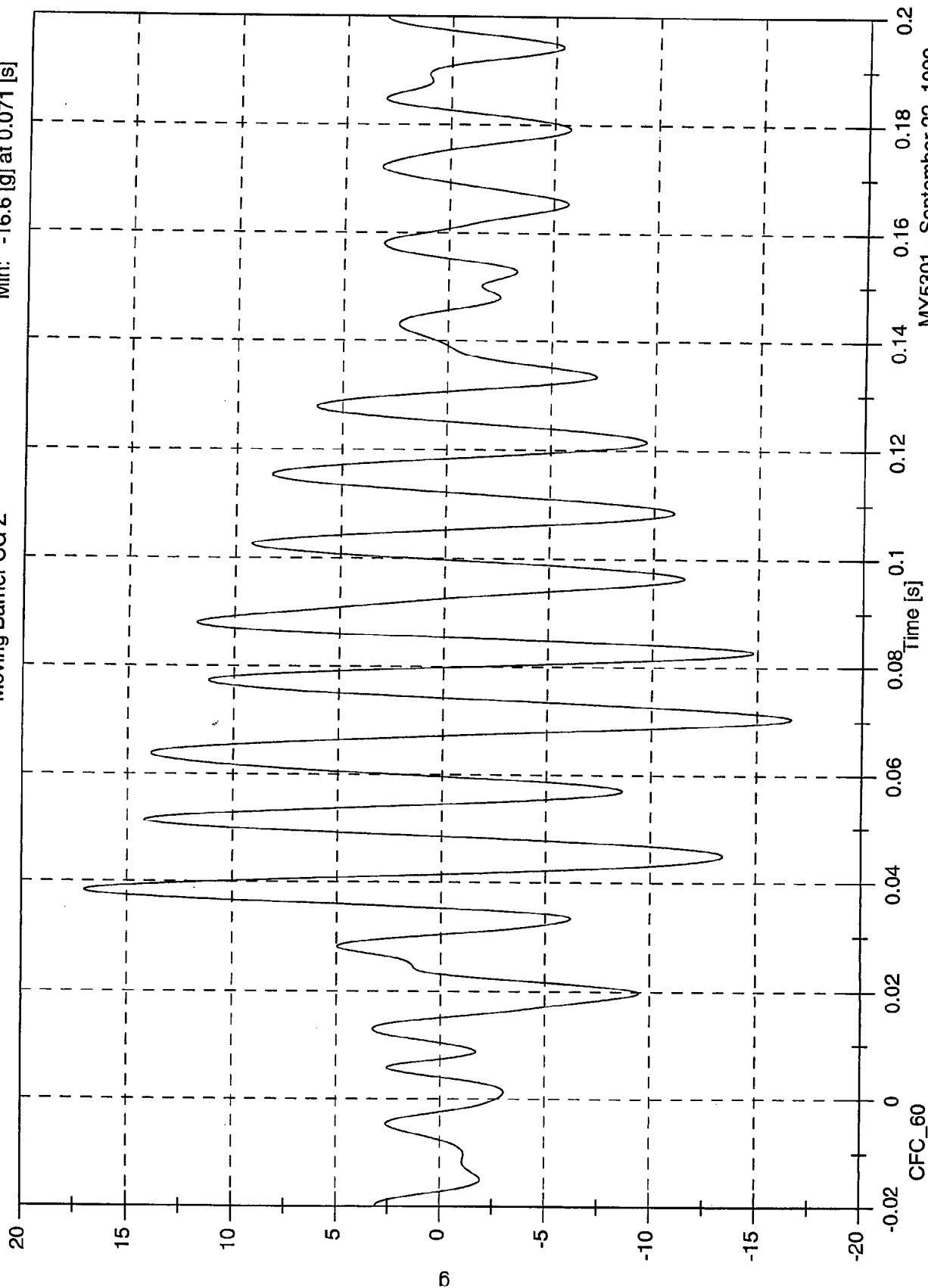
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 17.0 [g] at 0.038 [s]

Min: -16.6 [g] at 0.071 [s]

Moving Barrier CG Z



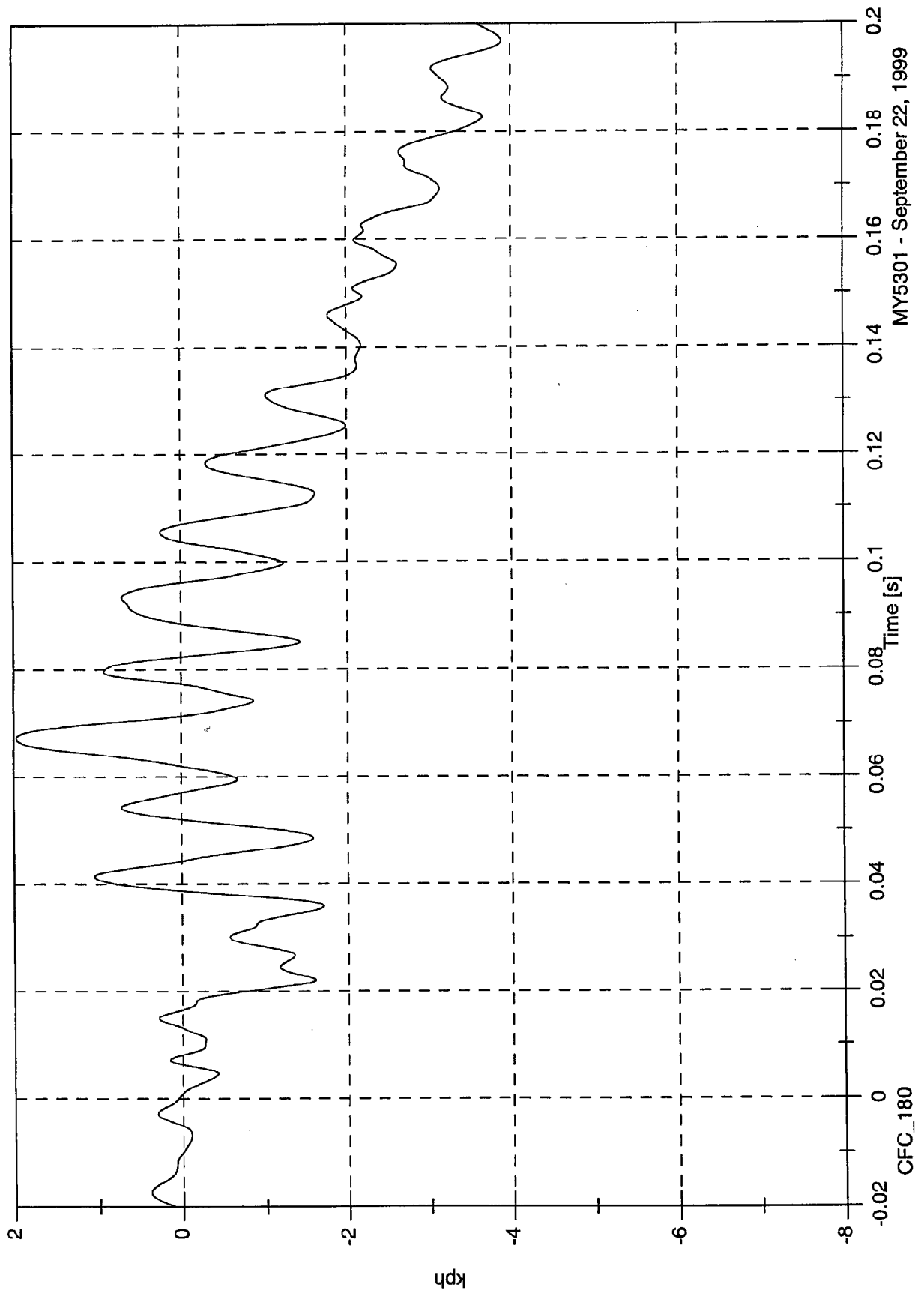
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 2.0 [kph] at 0.067 [s]

Min: -6.9 [kph] at 0.493 [s]

Moving Barrier CG Z Velocity



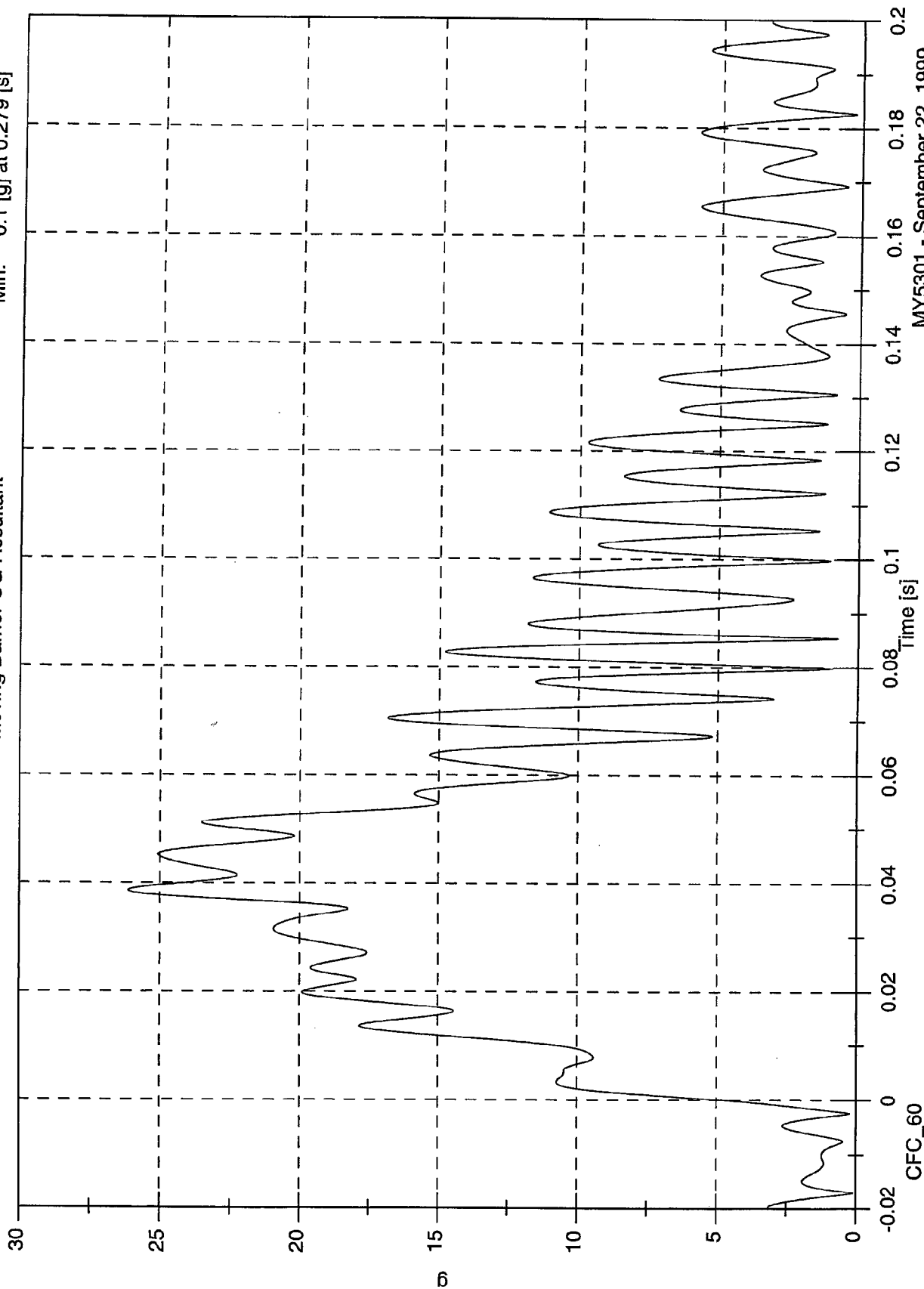
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Moving Barrier CG Resultant

Max: 26.1 [g] at 0.039 [s]

Min: 0.1 [g] at 0.279 [s]



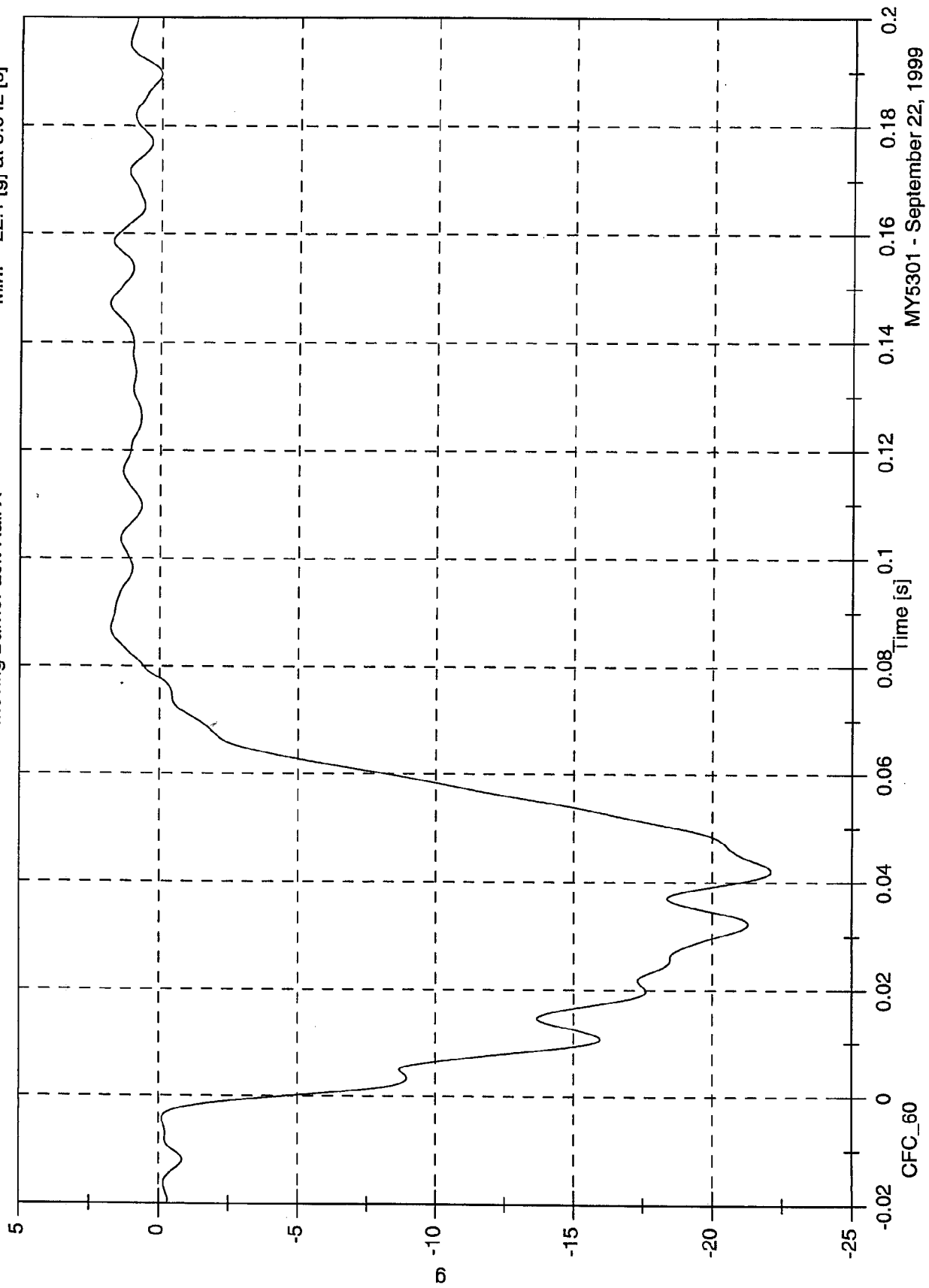
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Moving Barrier Left Rail X

Max: 1.8 [g] at 0.147 [s]

Min: -22.1 [g] at 0.042 [s]



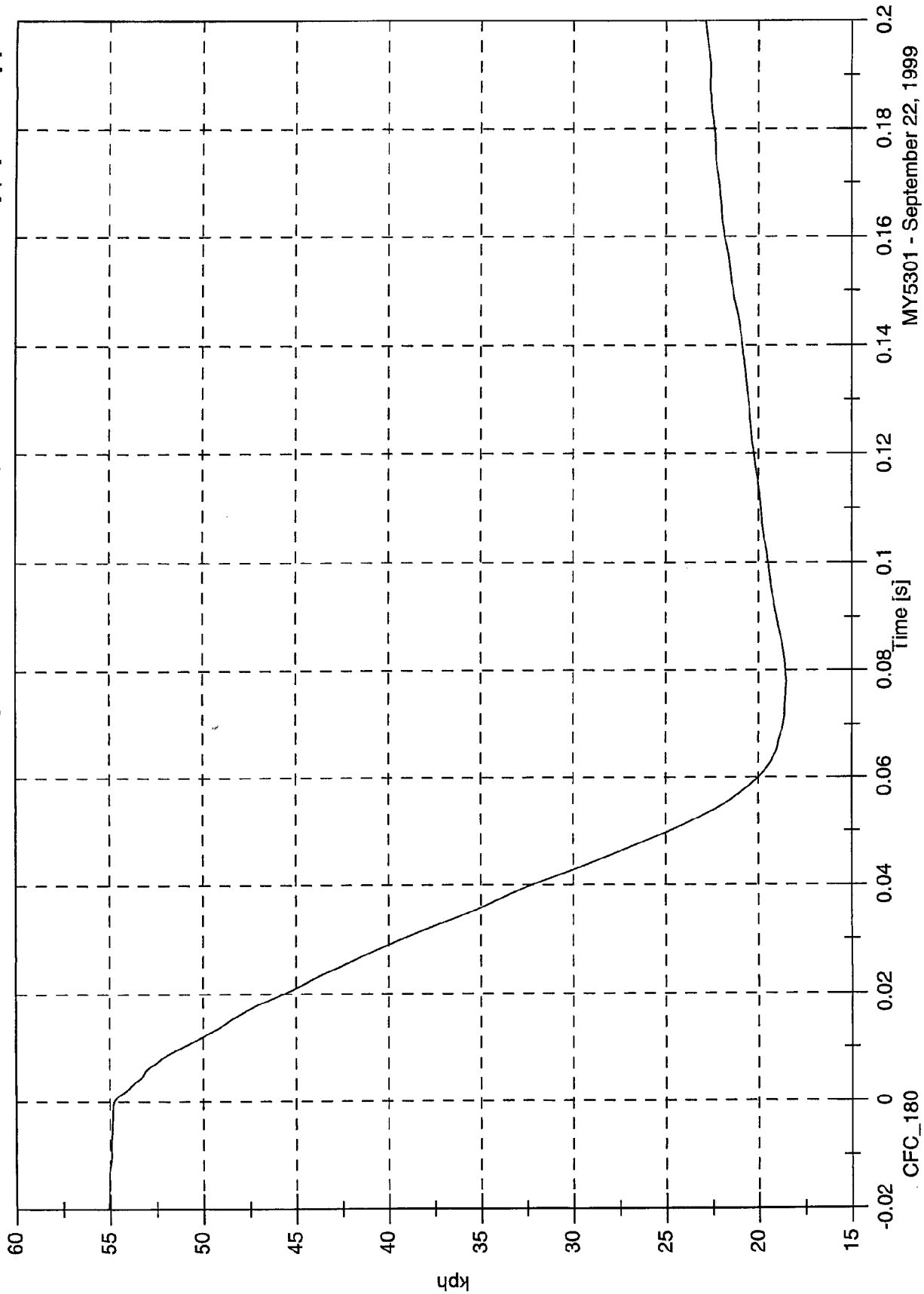
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 55.3 [kph] at -0.039 [s]

Min: 18.5 [kph] at 0.078 [s]

Moving Barrier Left Rail X Velocity

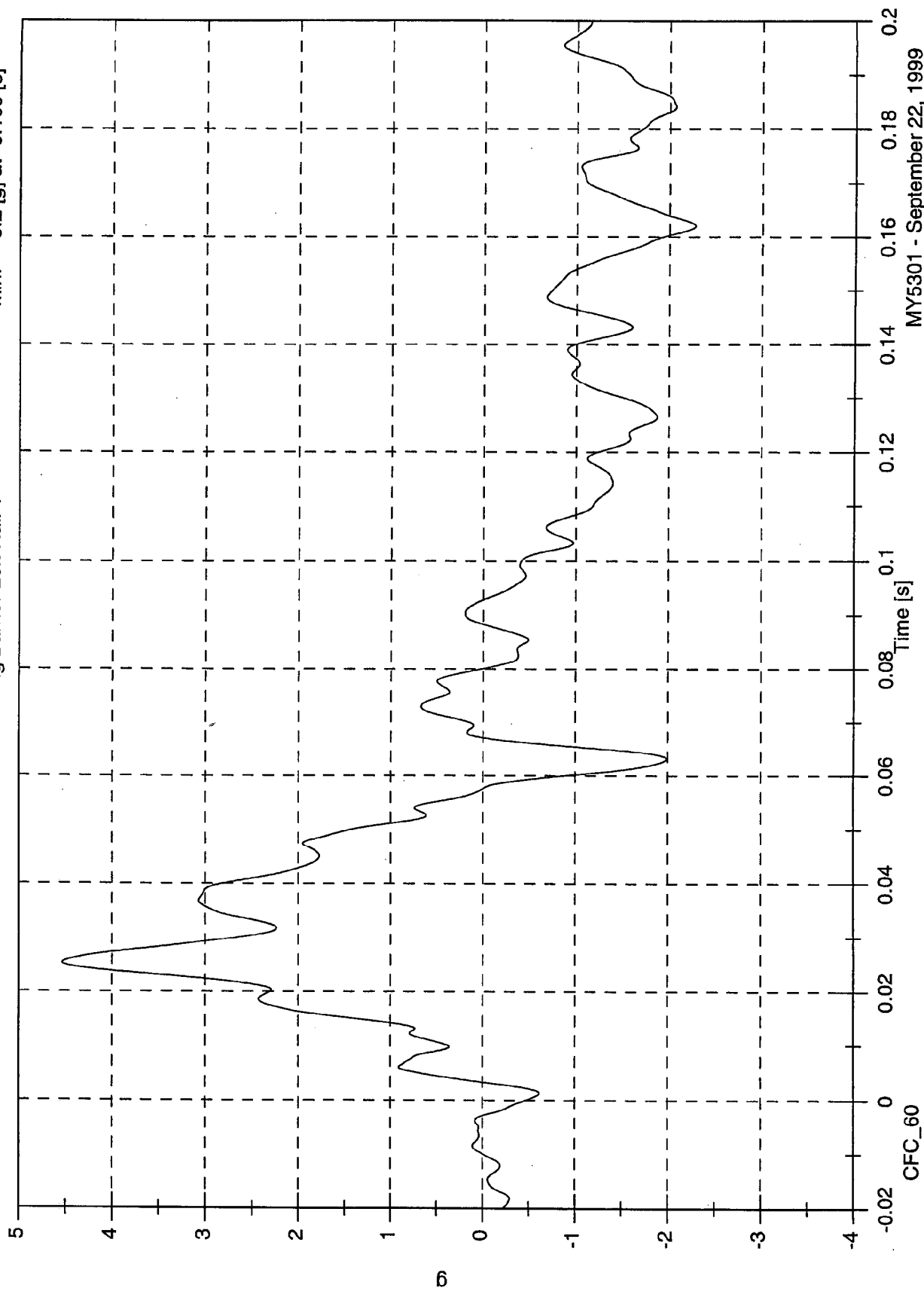


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 4.5 [g] at 0.025 [s]
 Min: -3.2 [g] at -0.100 [s]

Moving Barrier Left Rail Y

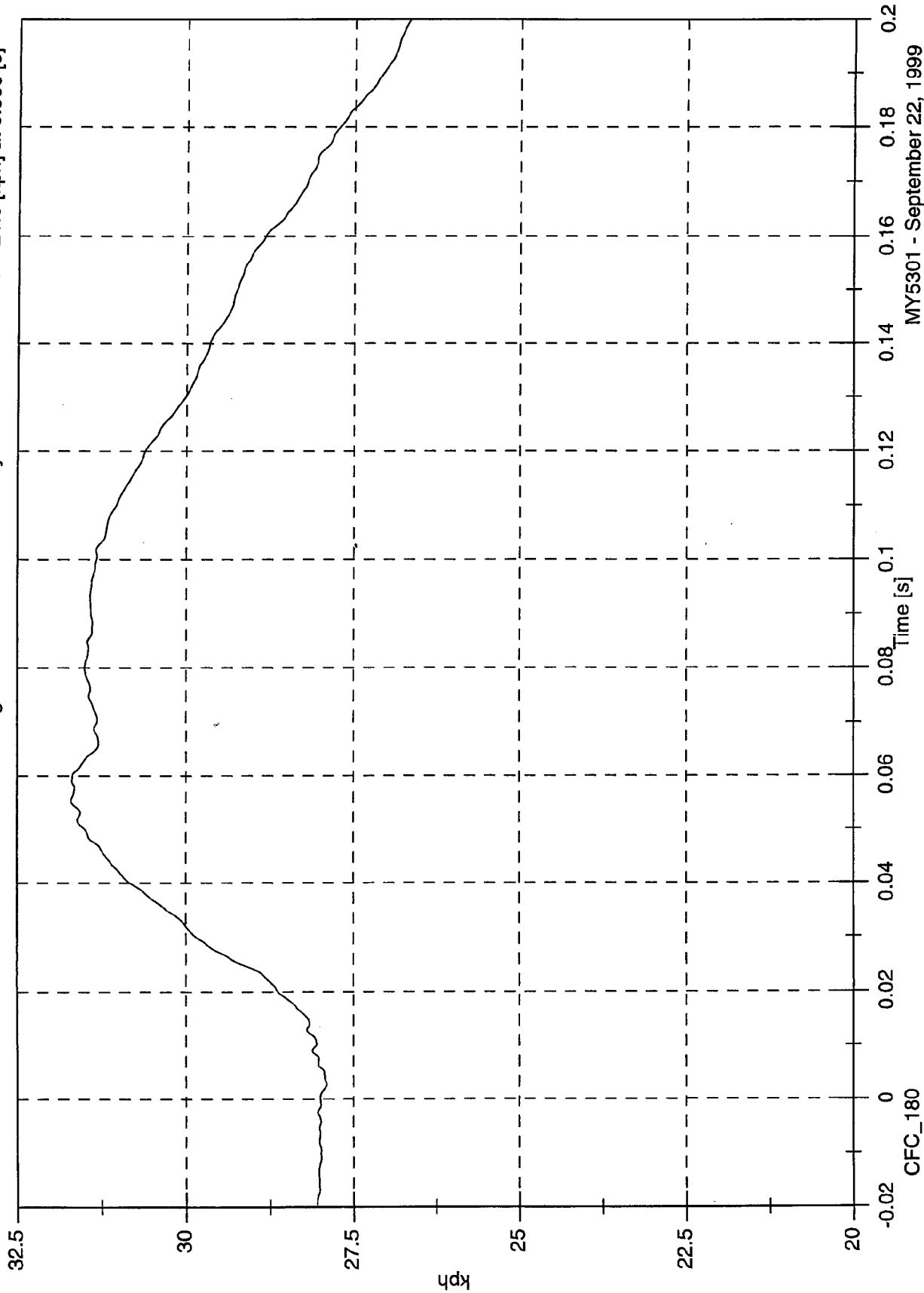


SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 31.7 [kph] at 0.055 [s]

Min: 21.0 [kph] at 0.500 [s]

Moving Barrier Left Rail Y Velocity



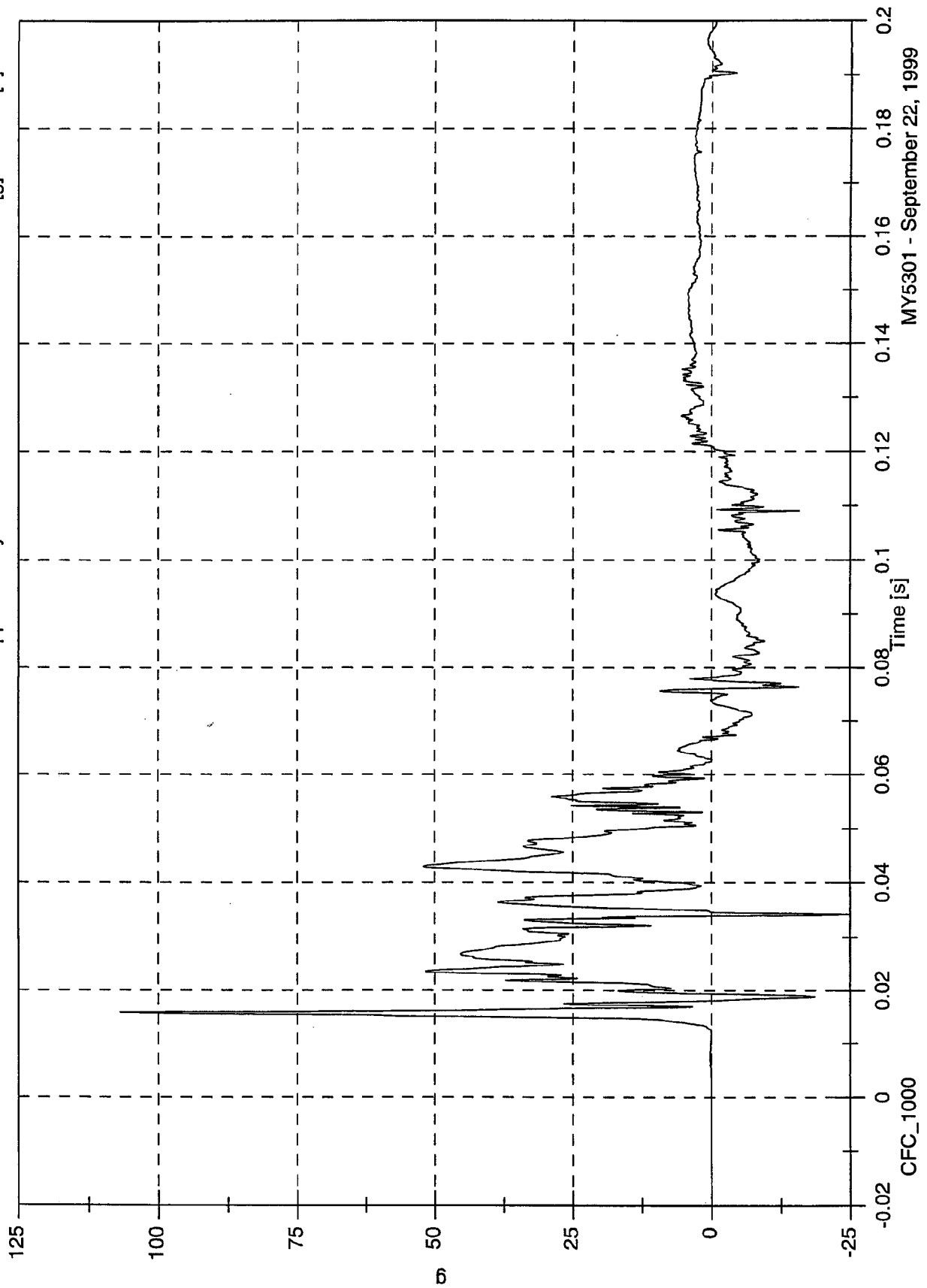
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

P1 Upper Rib Ry

Max: 106.8 [g] at 0.016 [s]

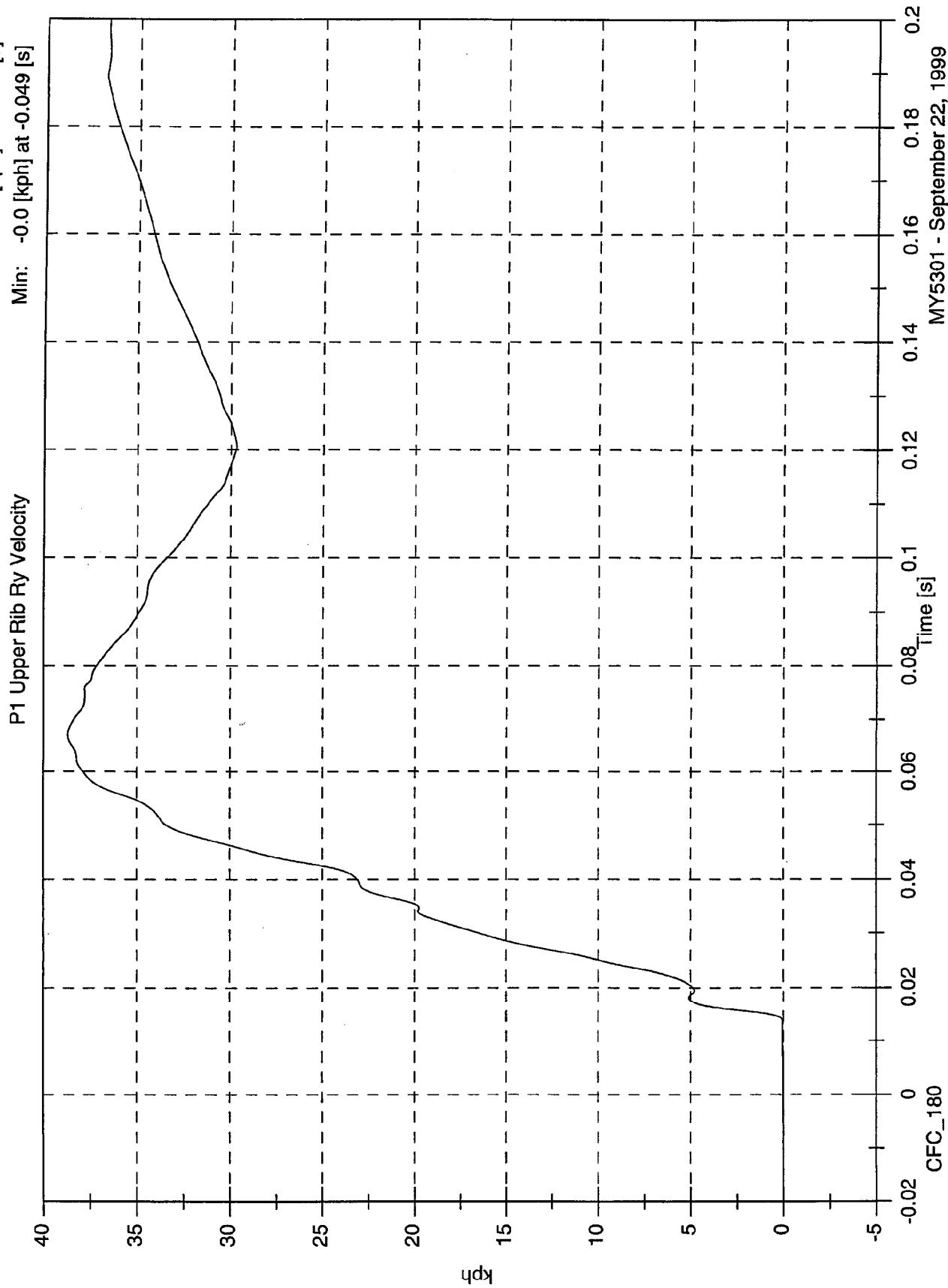
Min: -24.7 [g] at 0.034 [s]



MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 38.7 [kph] at 0.067 [s]
Min: -0.0 [kph] at -0.049 [s]

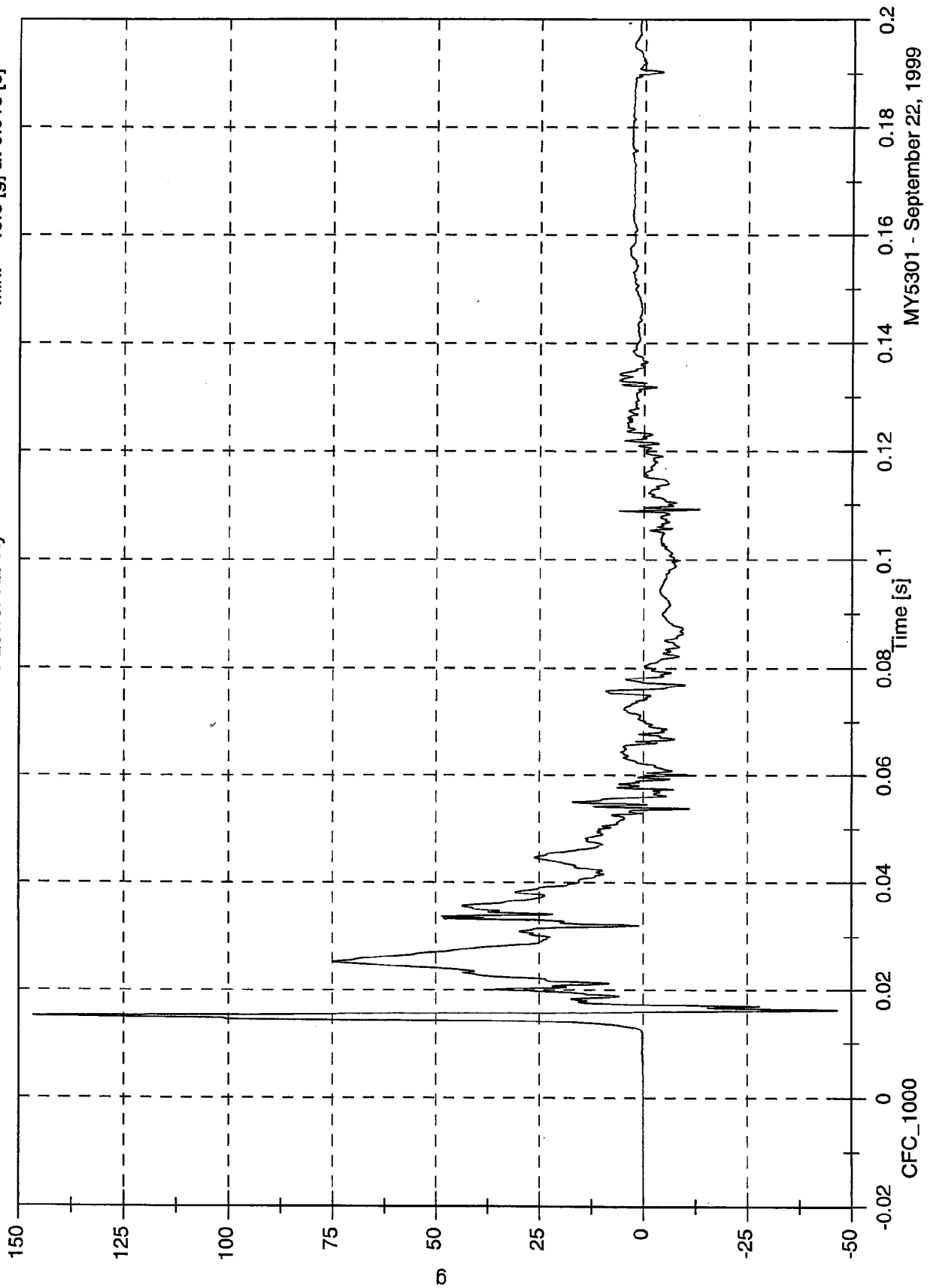


SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 146.5 [g] at 0.015 [s]

Min: -46.6 [g] at 0.016 [s]

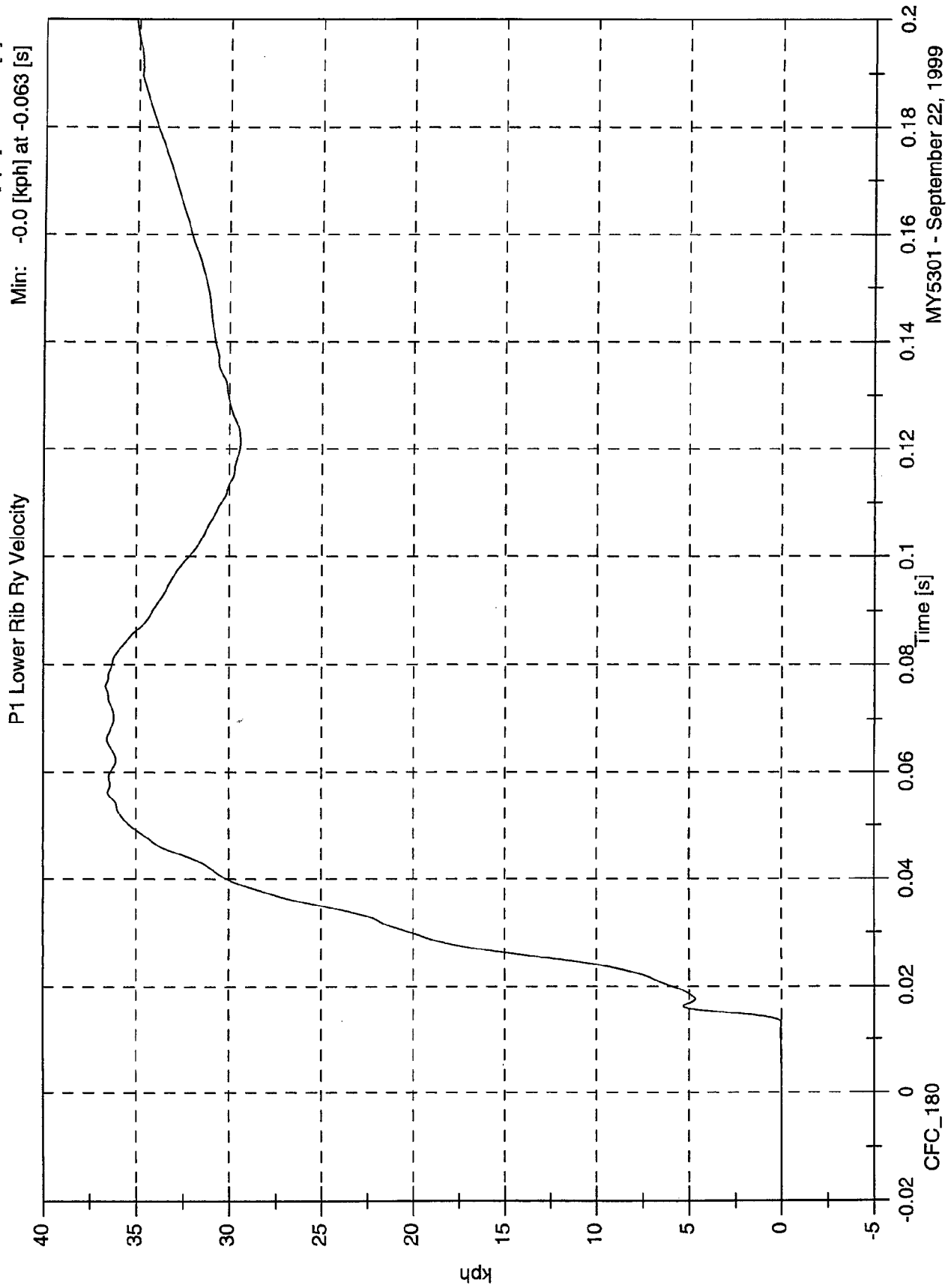
P1 Lower Rib Ry



MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 36.6 [kph] at 0.076 [s]
Min: -0.0 [kph] at -0.063 [s]

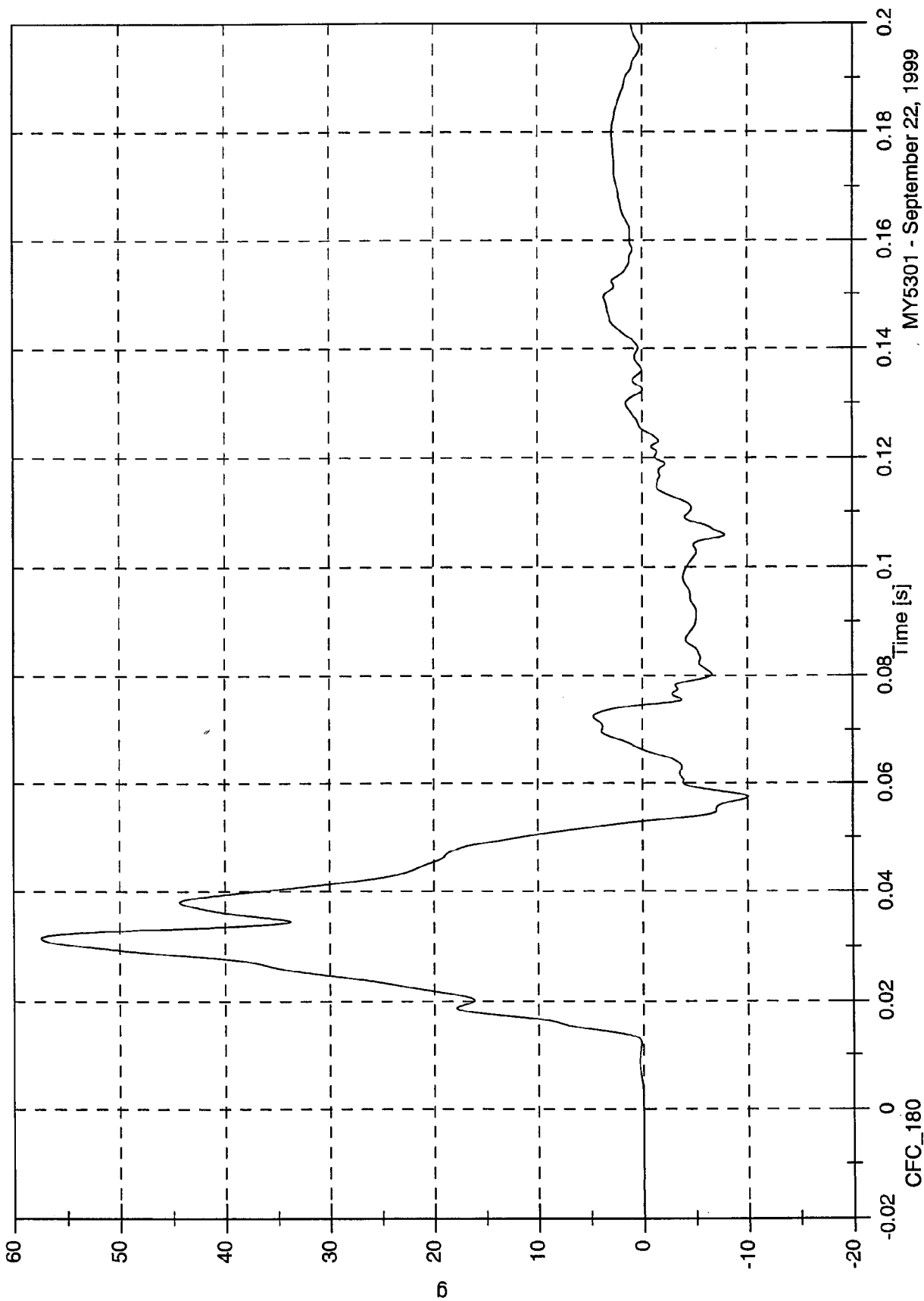


SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 57.4 [g] at 0.032 [s]

Min: -10.1 [g] at 0.057 [s]

P1 Lower Spine Ry



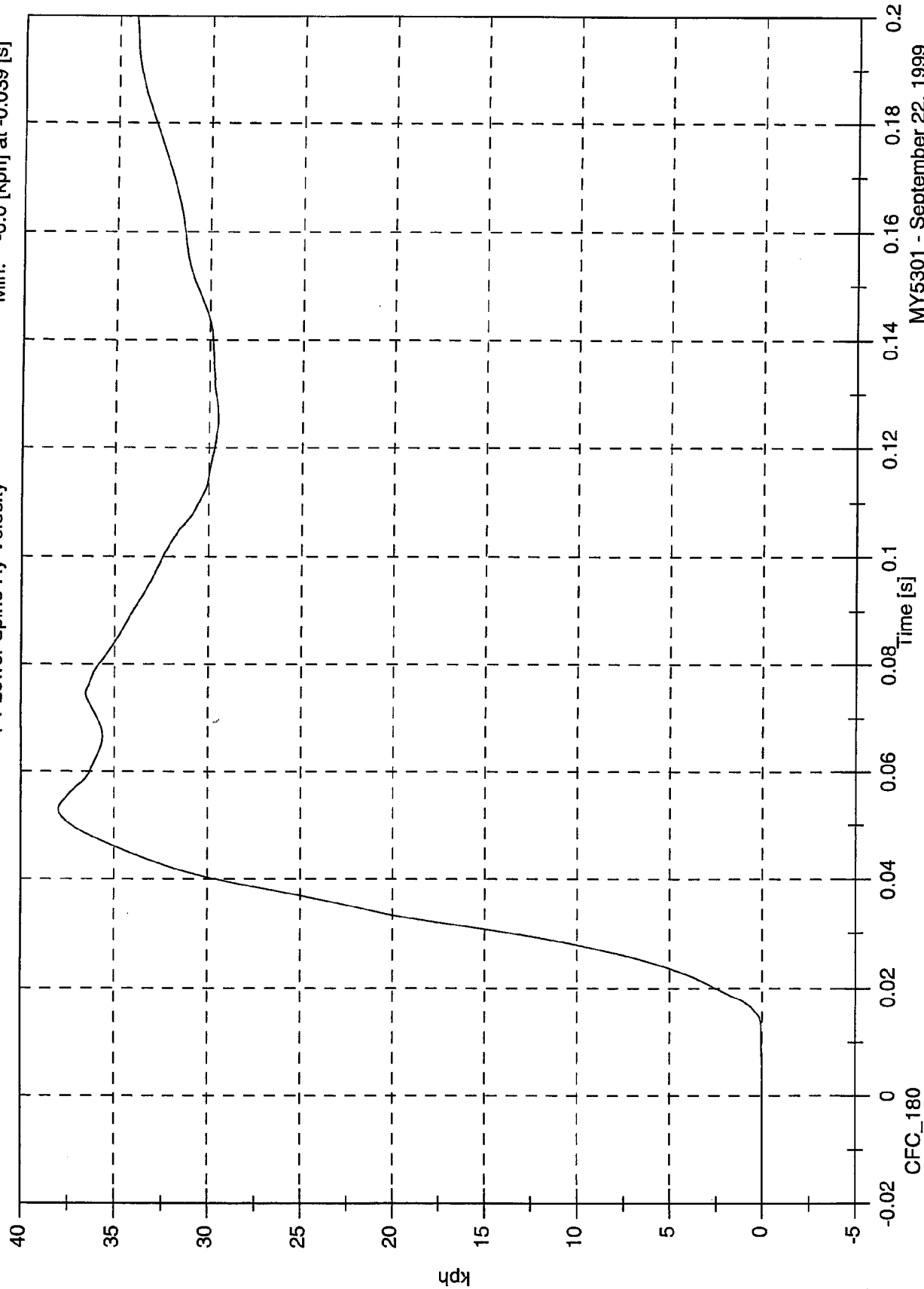
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 38.0 [kph] at 0.053 [s]

Min: -0.0 [kph] at -0.039 [s]

P1 Lower Spine Ry Velocity

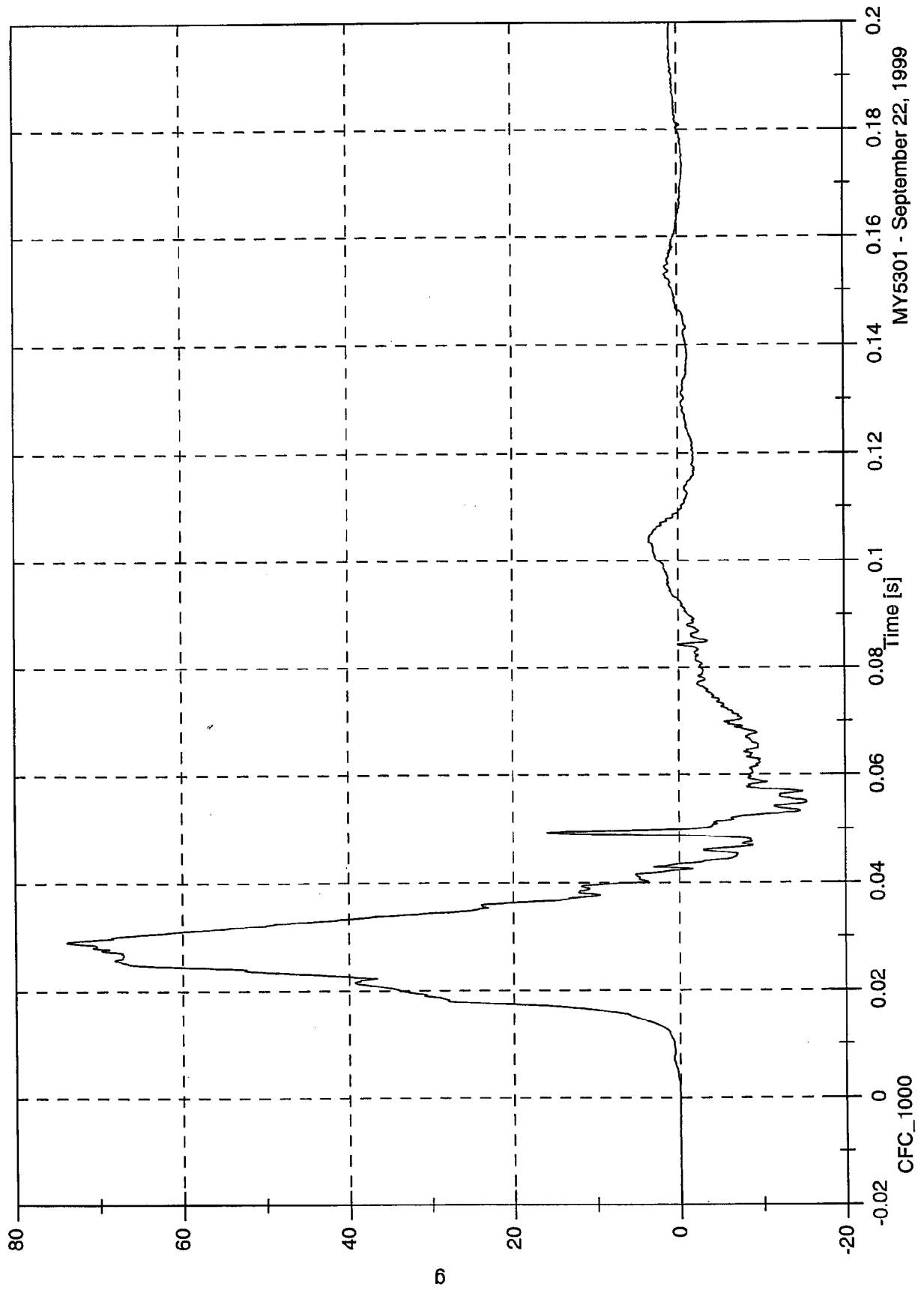


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 73.9 [g] at 0.029 [s]
Min: -15.4 [g] at 0.055 [s]

P1 Pelvic Ry

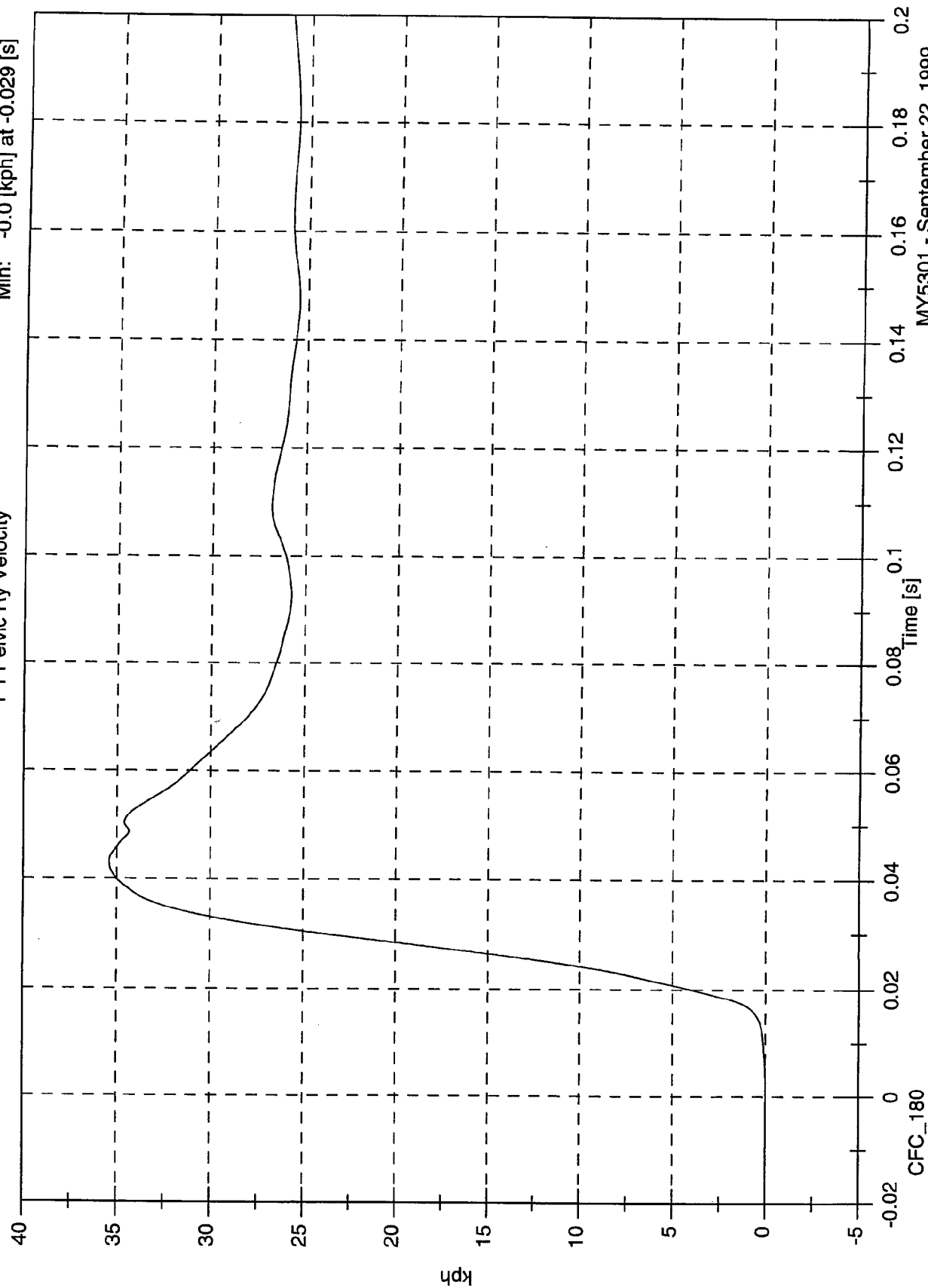


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 35.4 [kph] at 0.043 [s]
Min: -0.0 [kph] at -0.029 [s]

P1 Pelvic Ry Velocity

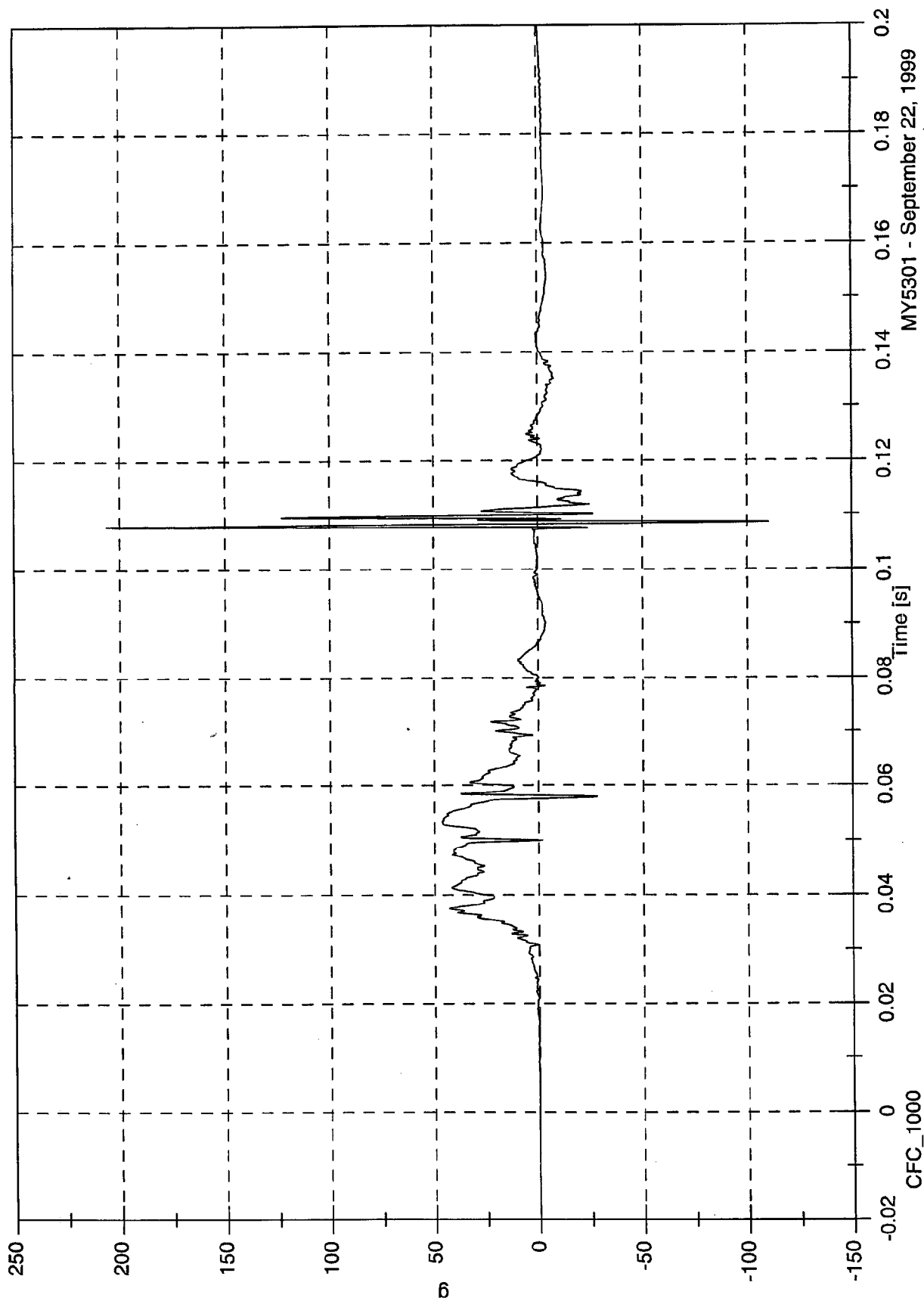


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 206.2 [g] at 0.108 [s]
Min: -110.3 [g] at 0.109 [s]

P4 Upper Rib Ry

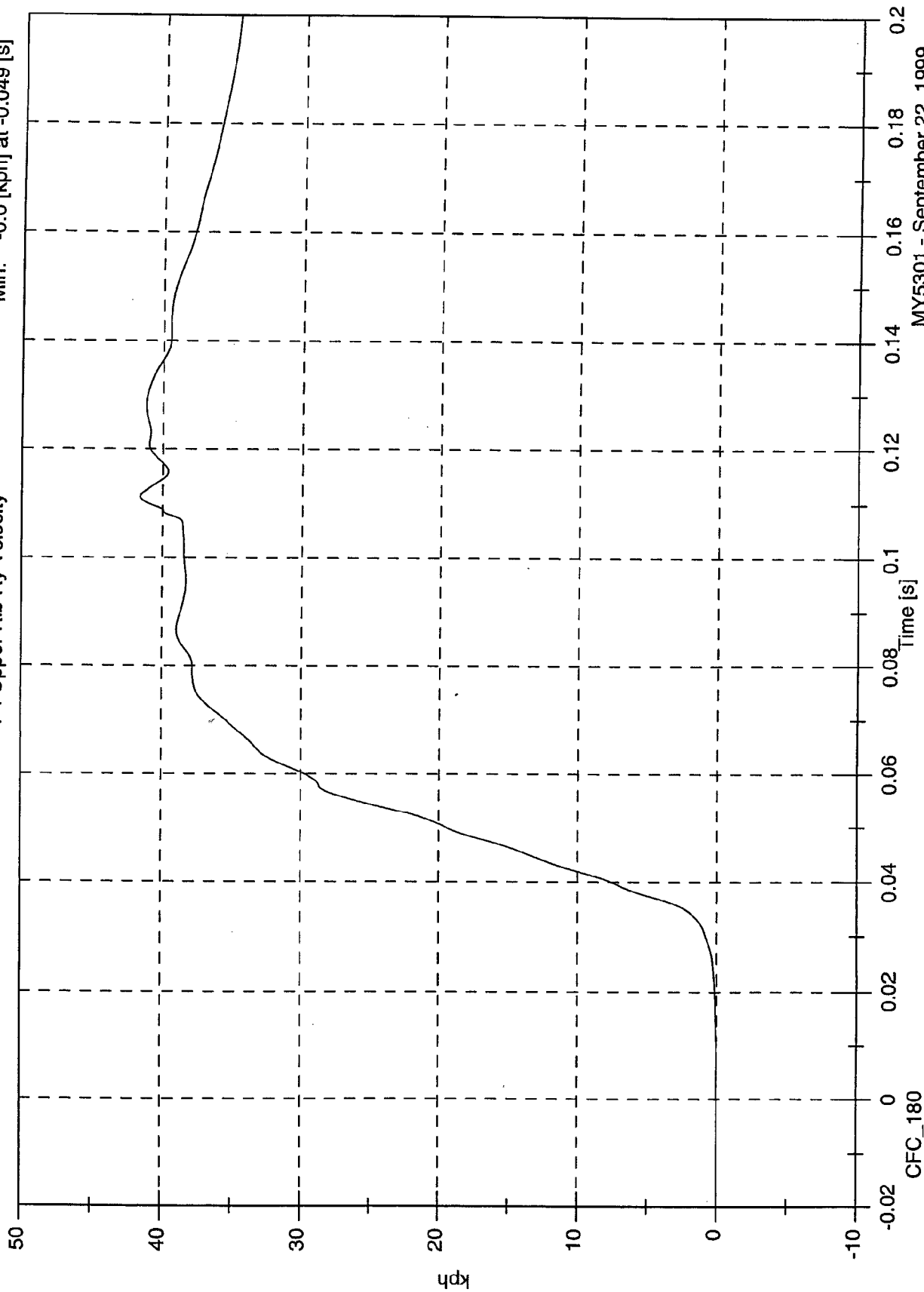


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

P4 Upper Rib Ry Velocity

Max: 41.6 [kph] at 0.111 [s]
Min: -0.0 [kph] at -0.049 [s]

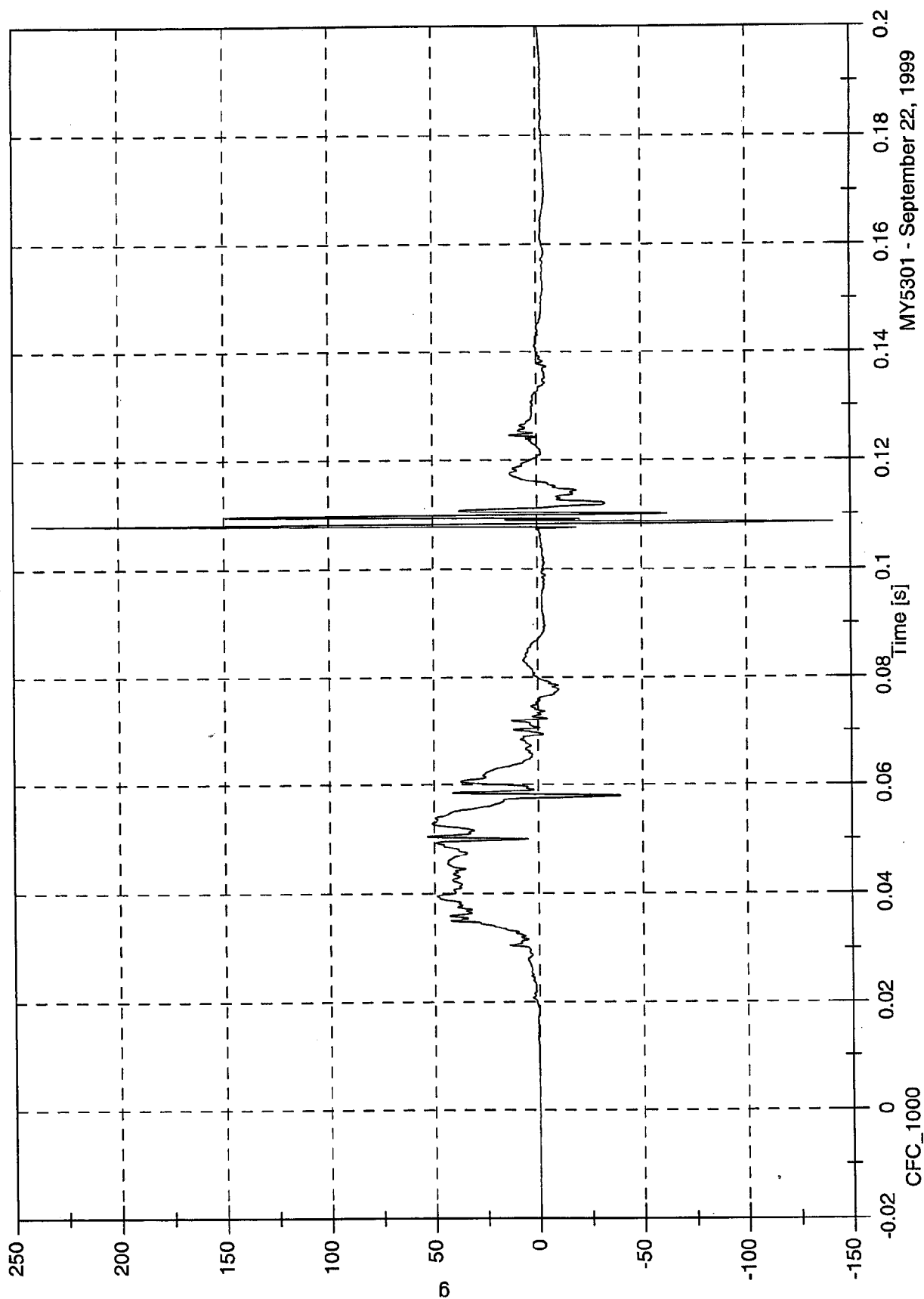


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

P4 Lower Rib Ry

Max: 240.9 [g] at 0.108 [s]
Min: -141.7 [g] at 0.108 [s]



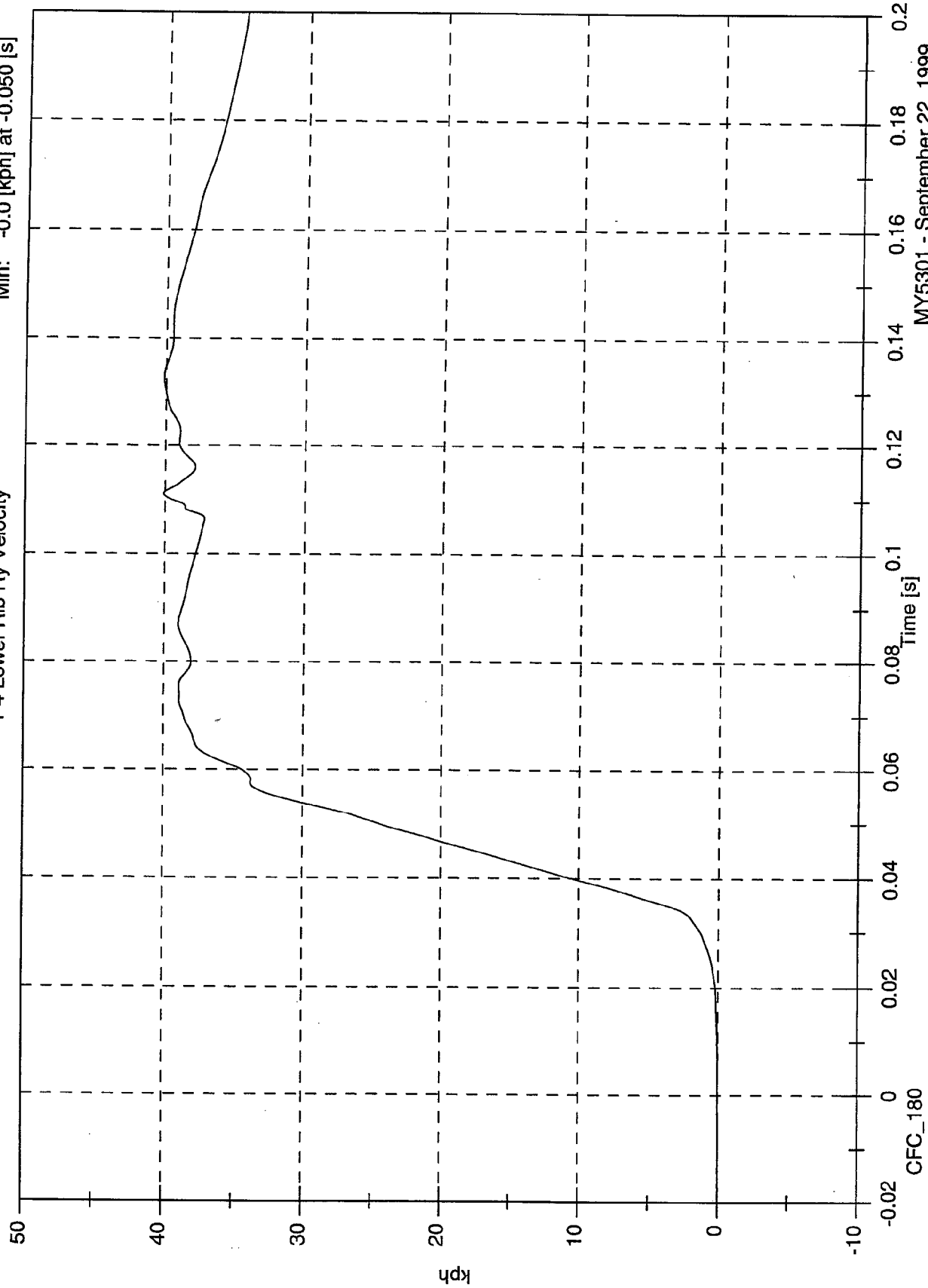
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 40.2 [kph] at 0.133 [s]

Min: -0.0 [kph] at -0.050 [s]

P4 Lower Rib Ry Velocity



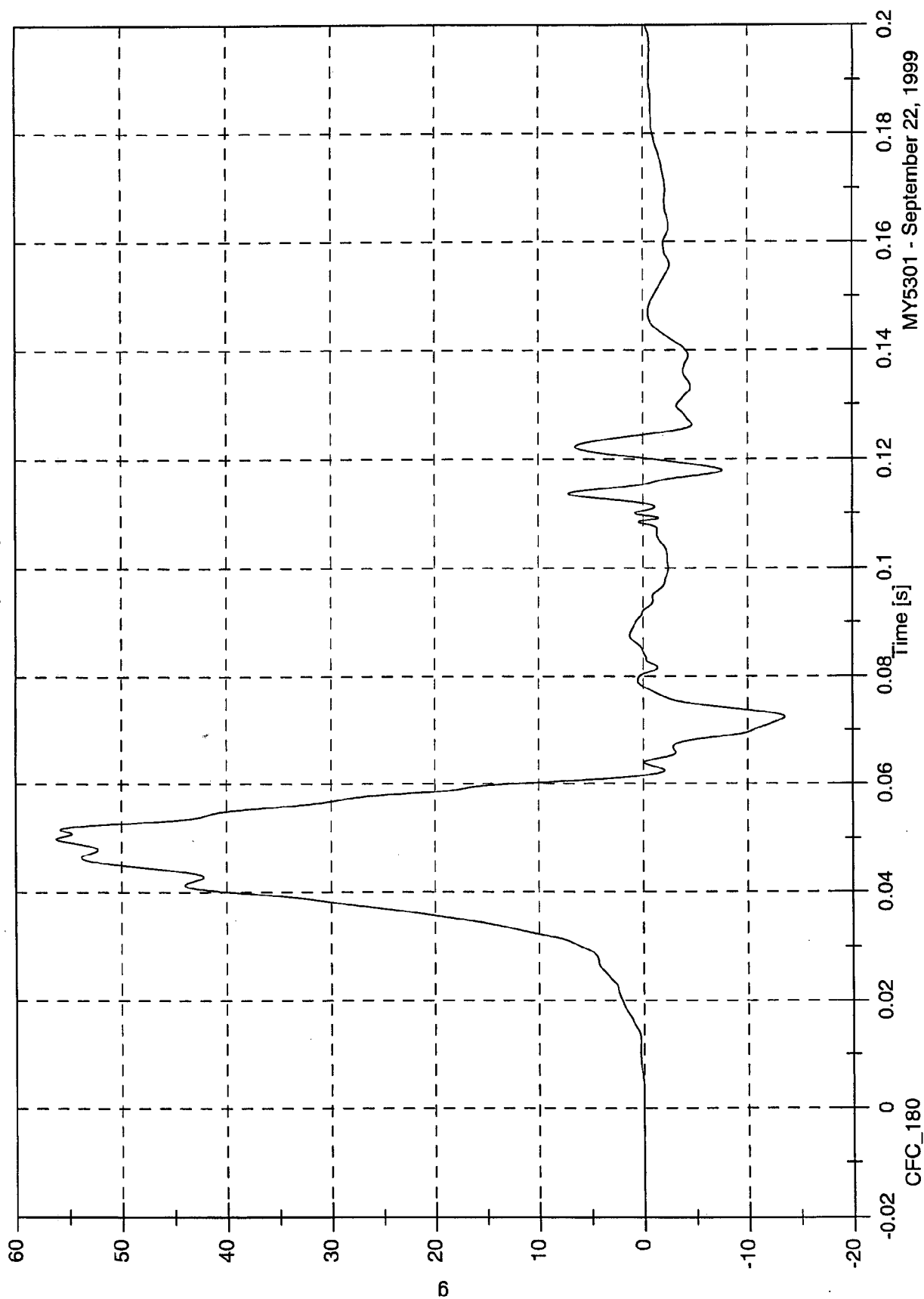
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 56.2 [g] at 0.050 [s]

Min: -13.5 [g] at 0.072 [s]

P4 Lower Spine Ry



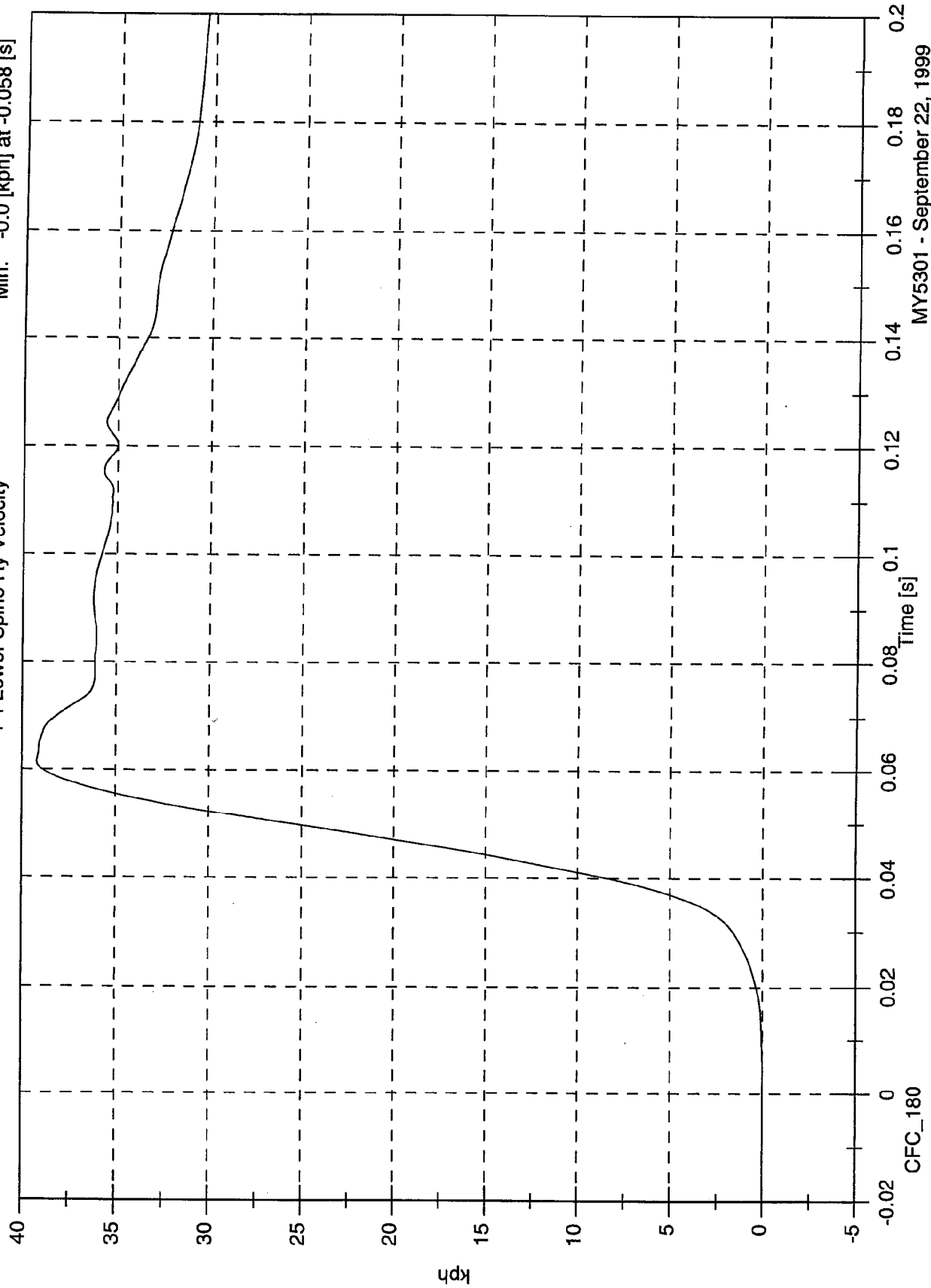
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 39.2 [kph] at 0.061 [s]

Min: -0.0 [kph] at -0.058 [s]

P4 Lower Spine Ry Velocity

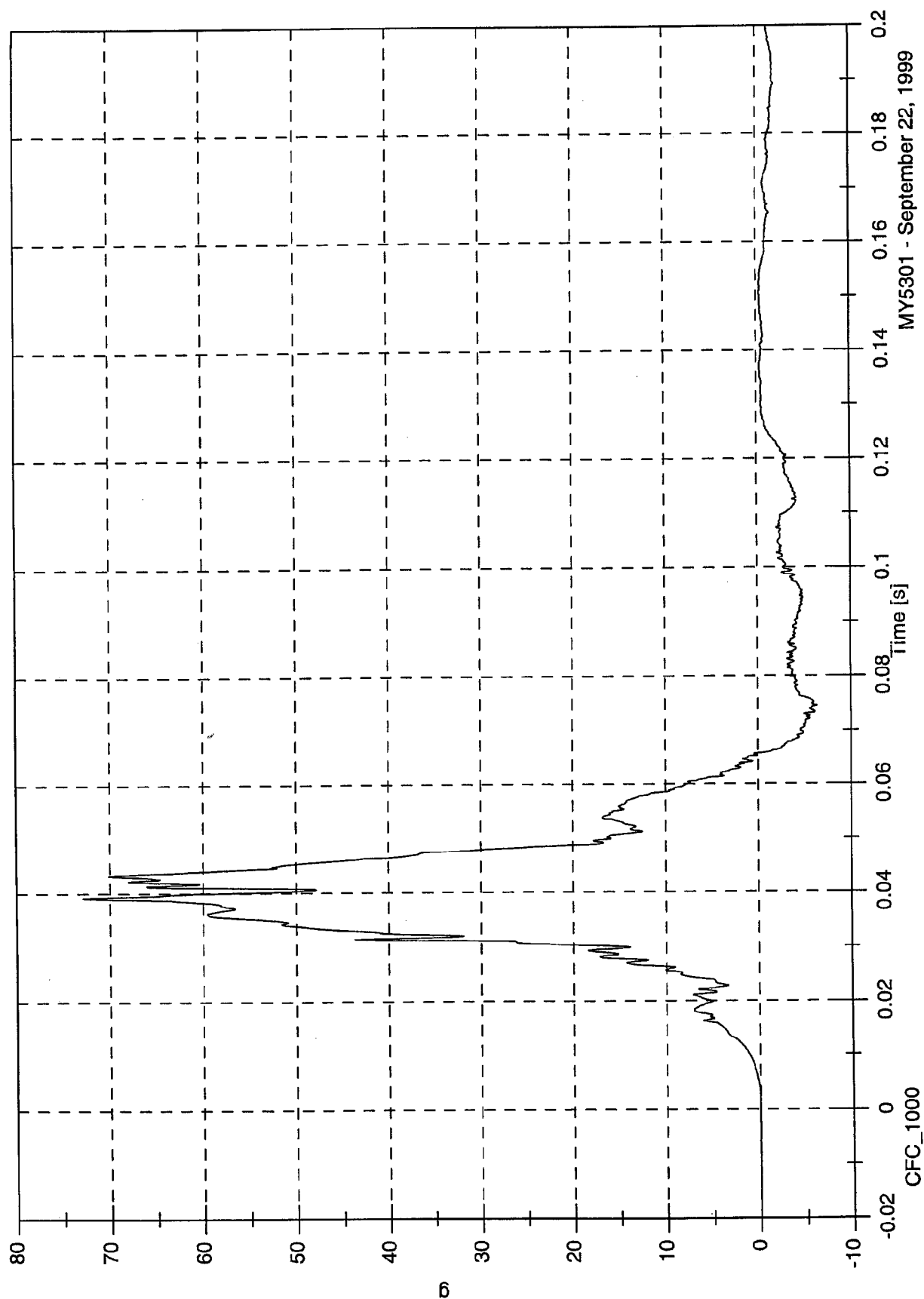


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 72.9 [g] at 0.039 [s]
Min: -6.3 [g] at 0.074 [s]

P4 Pelvic Ry

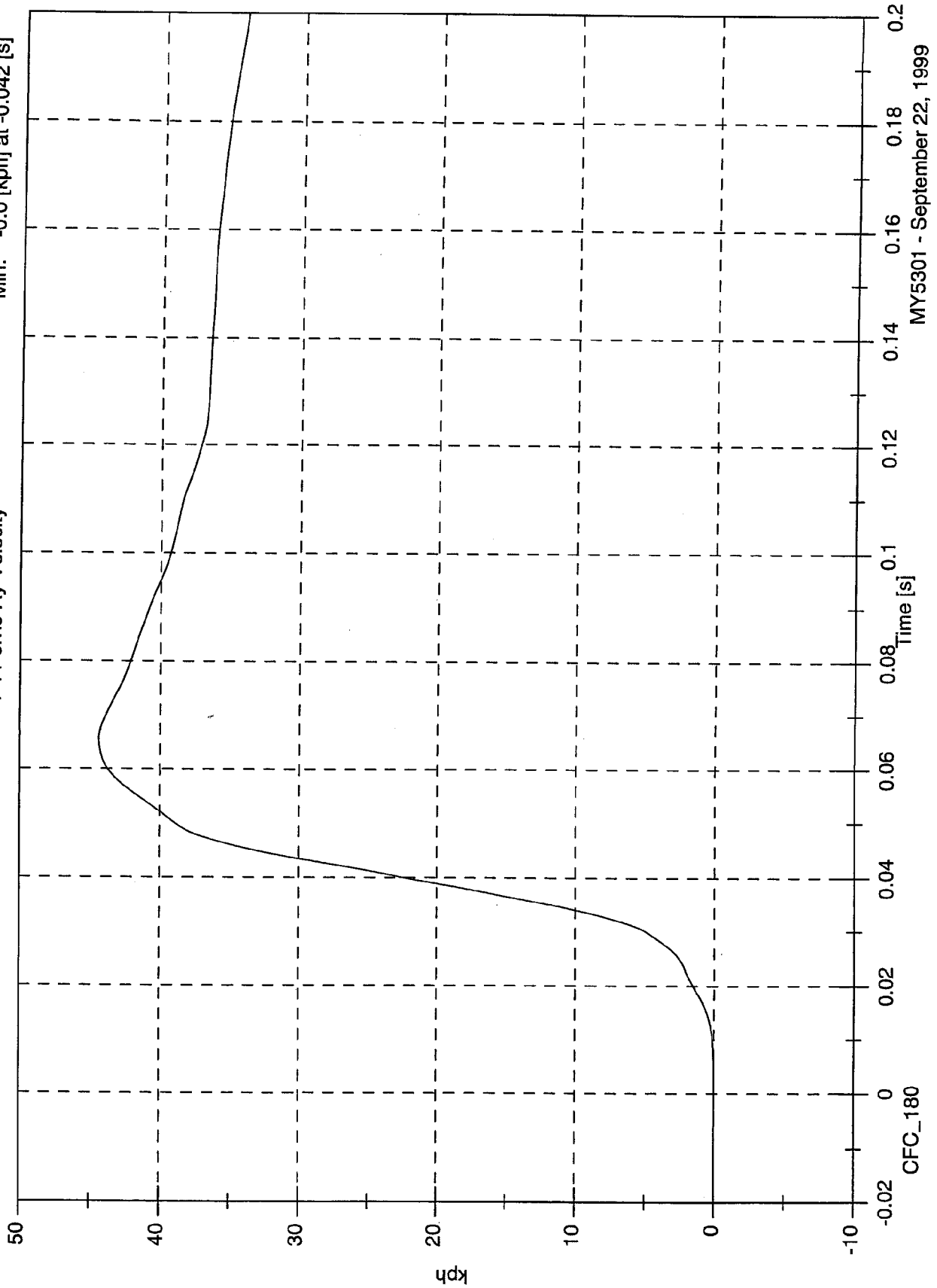


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 44.4 [kph] at 0.066 [s]
Min: -0.0 [kph] at -0.042 [s]

P4 Pelvic Ry Velocity

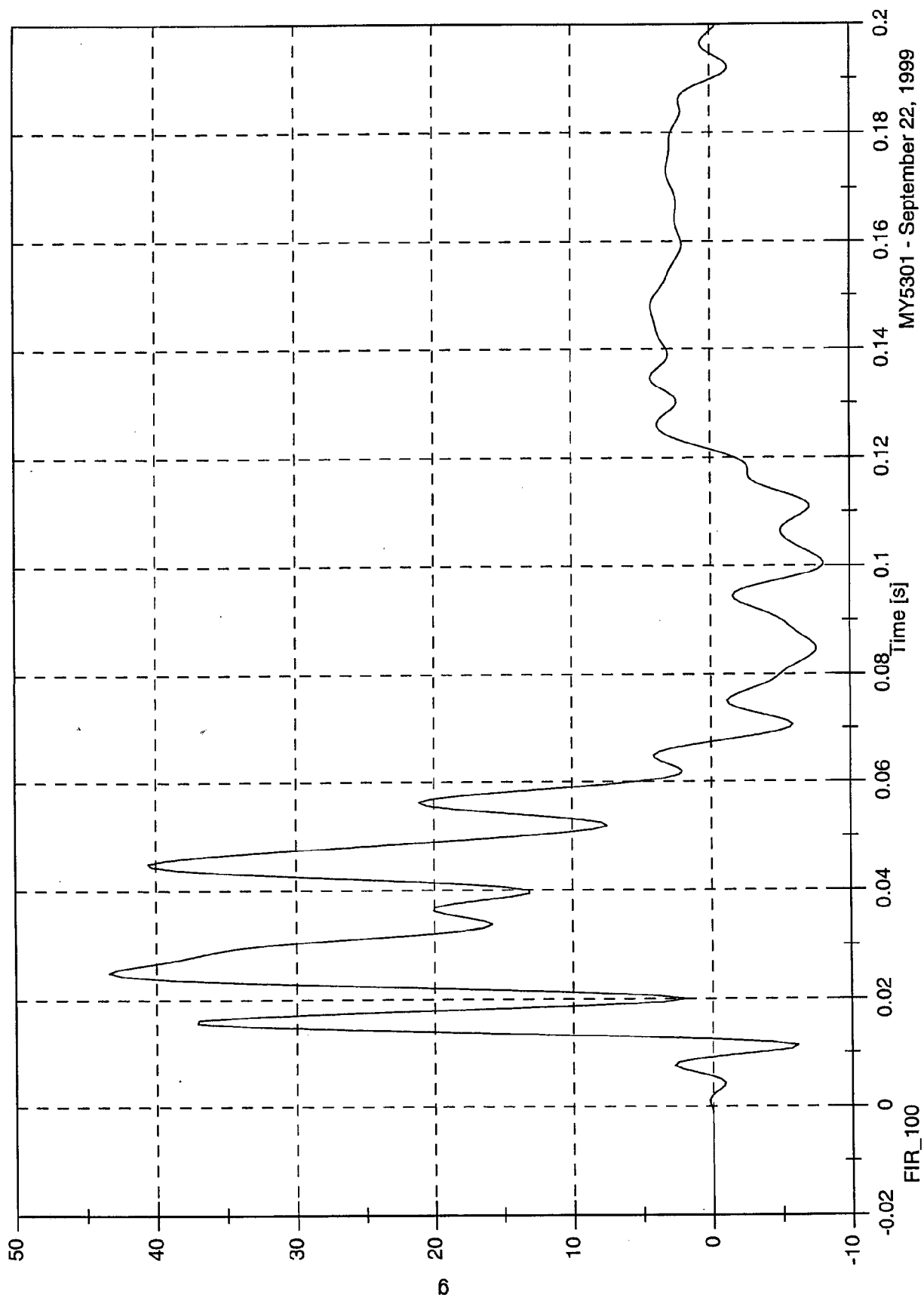


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 43.4 [g] at 0.025 [s]
Min: -8.1 [g] at 0.101 [s]

P1 Upper Rib Ry

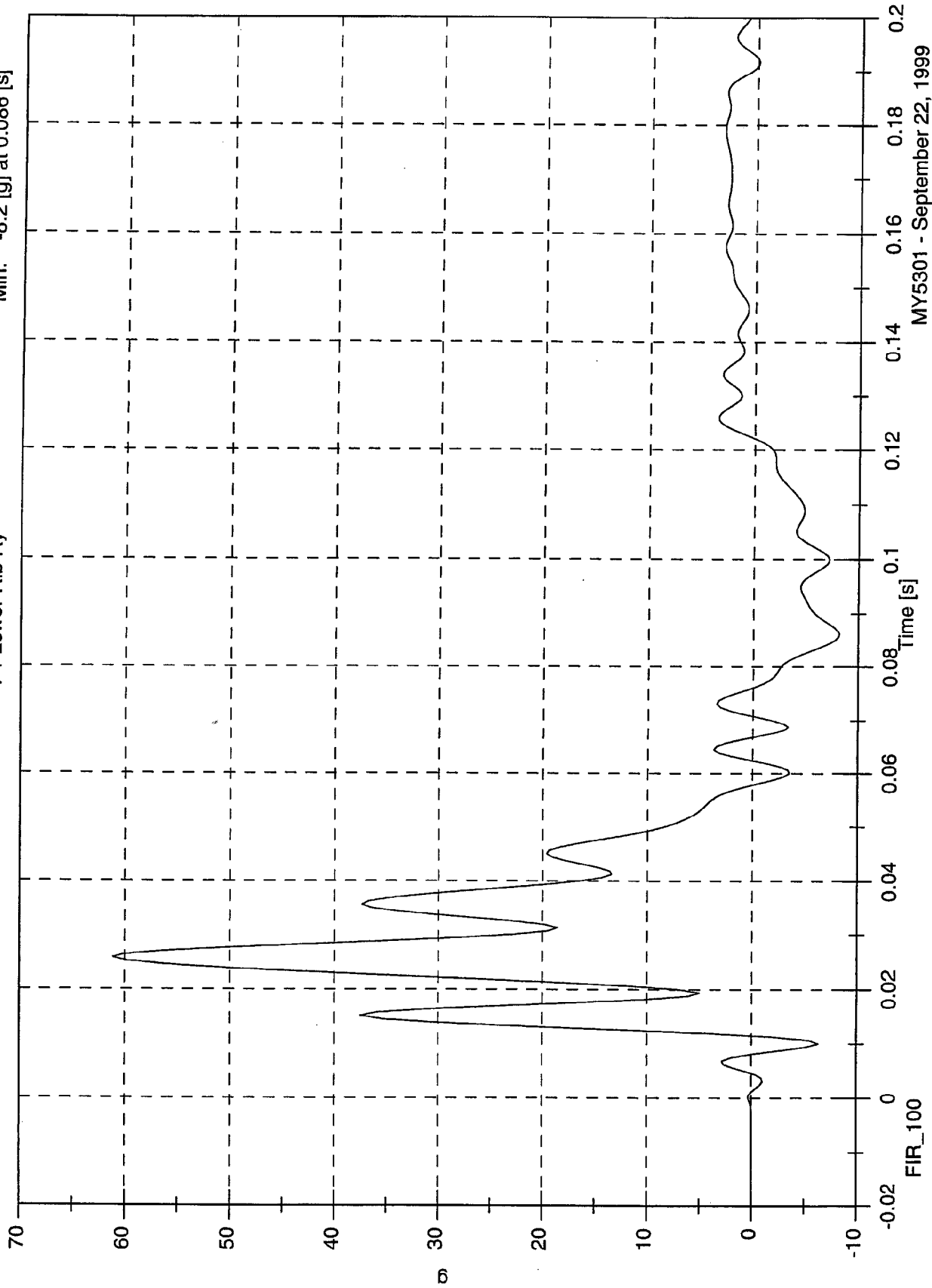


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 61.1 [g] at 0.026 [s]
Min: -8.2 [g] at 0.086 [s]

P1 Lower Rib Ry

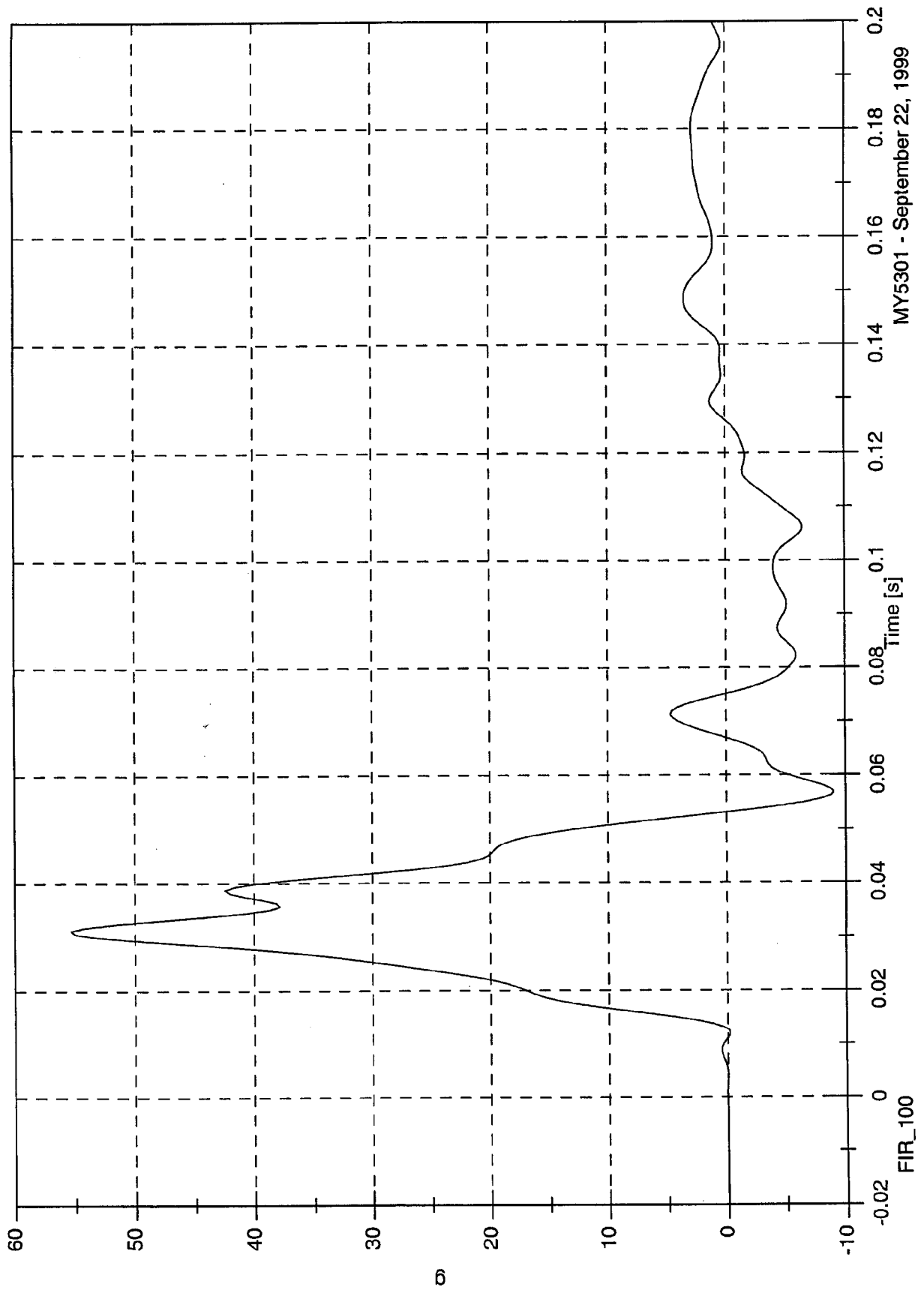


SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

P1 Lower Spine Ry

Max: 55.3 [g] at 0.031 [s]

Min: -9.0 [g] at 0.057 [s]

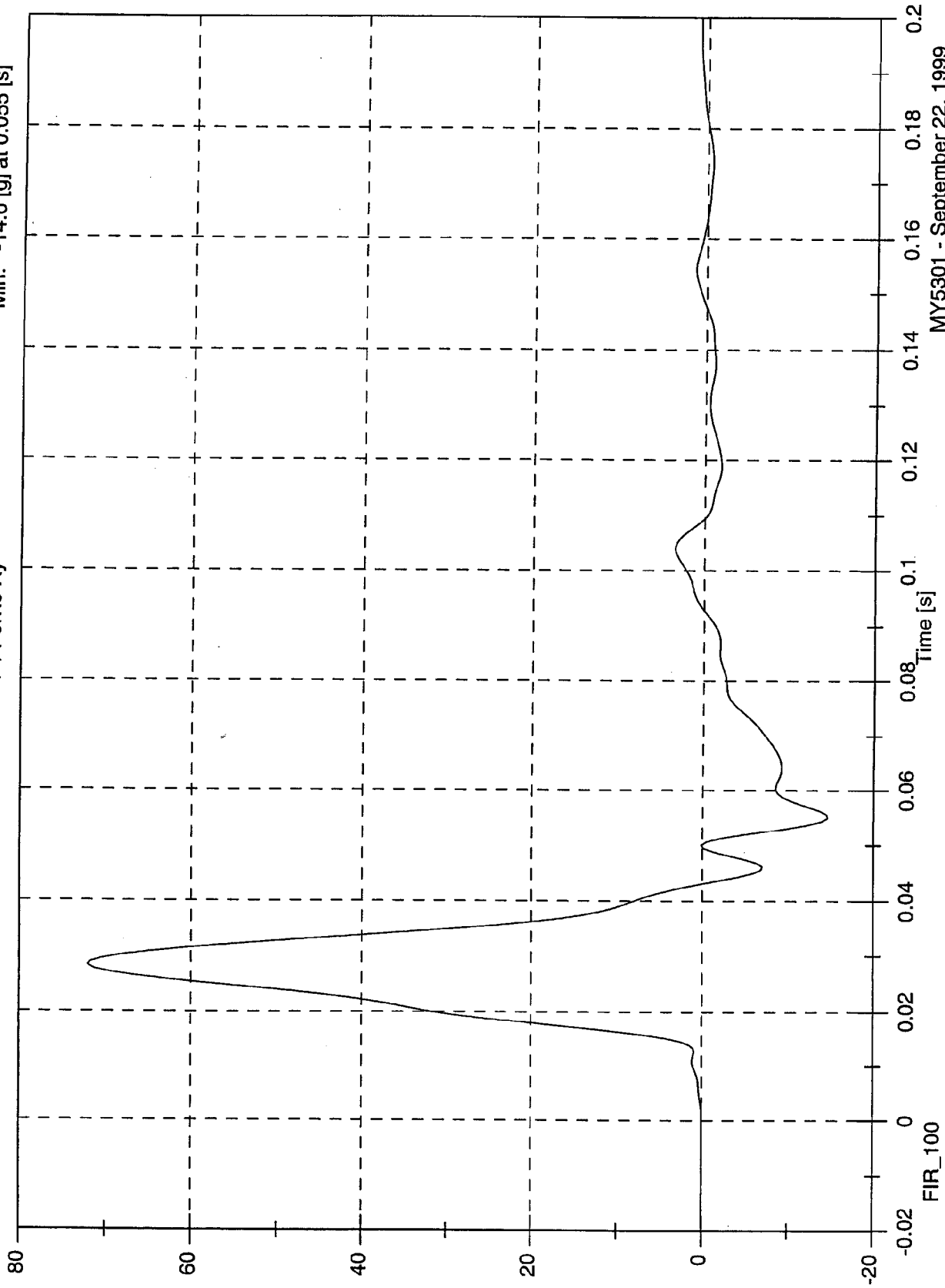


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 72.0 [g] at 0.028 [s]
Min: -14.6 [g] at 0.055 [s]

P1 Pelvic Ry

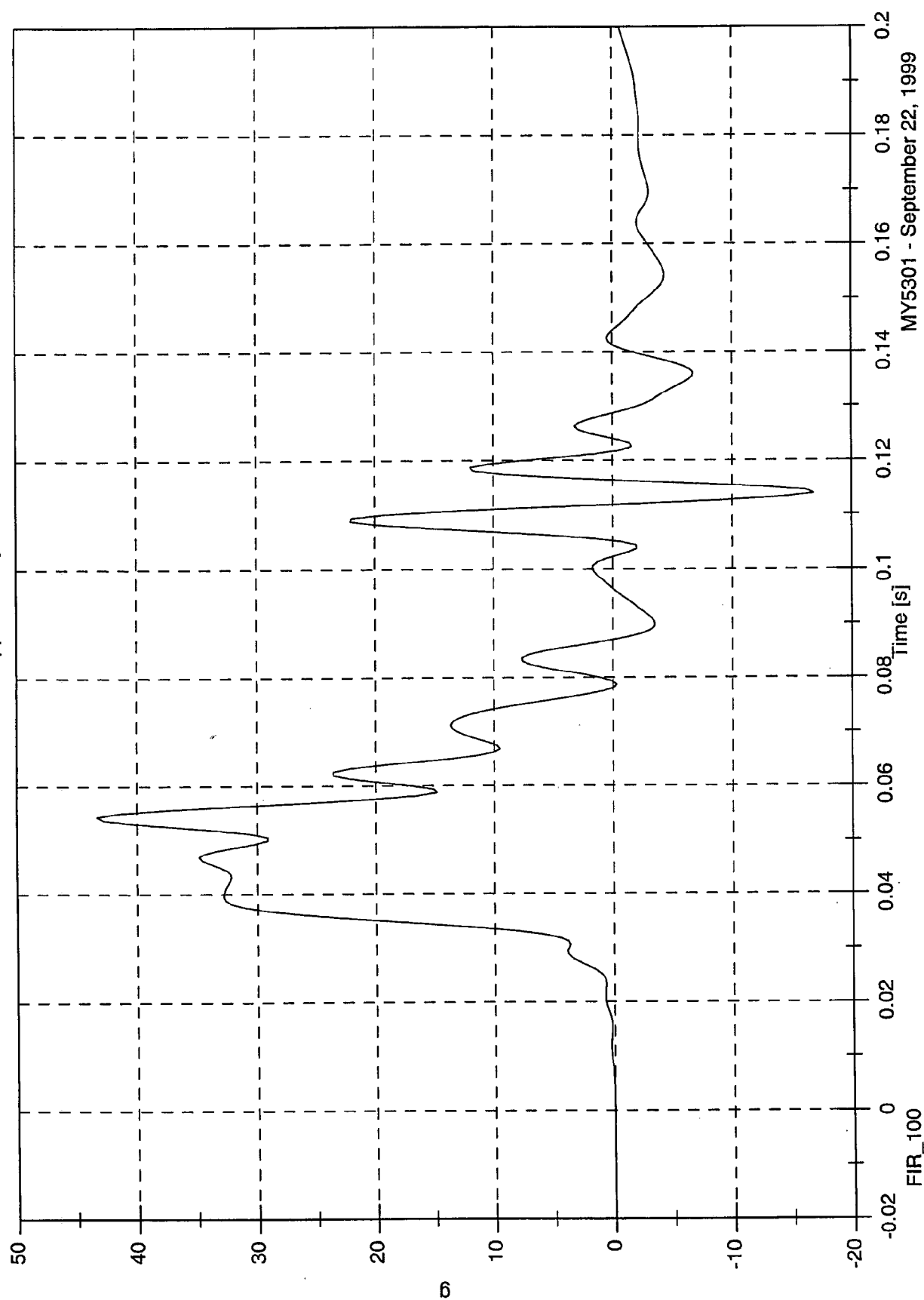


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

P4 Upper Rib Ry

Max: 43.3 [g] at 0.054 [s]
Min: -16.8 [g] at 0.114 [s]



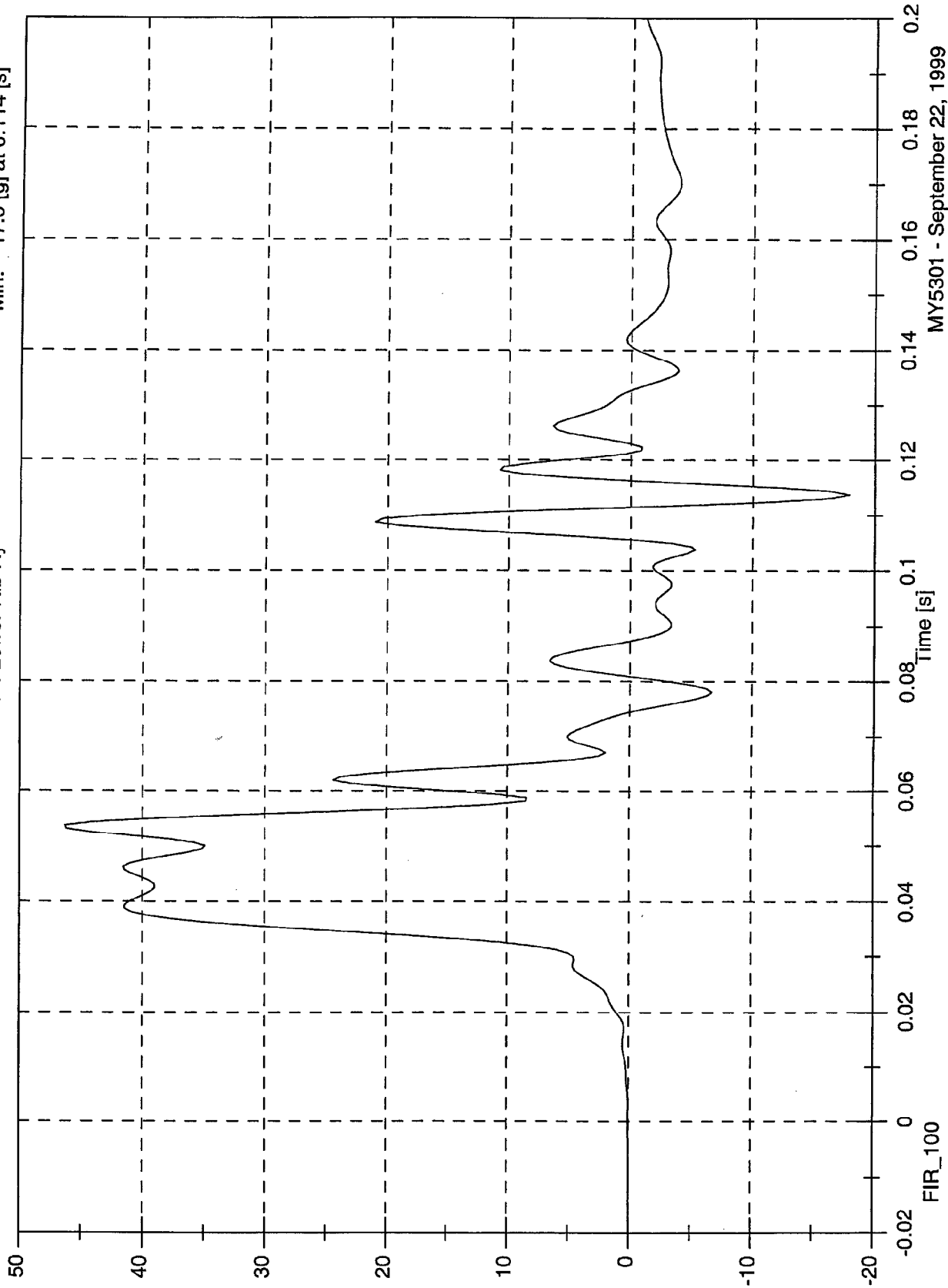
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

P4 Lower Rib Ry

Max: 46.3 [g] at 0.054 [s]

Min: -17.9 [g] at 0.114 [s]

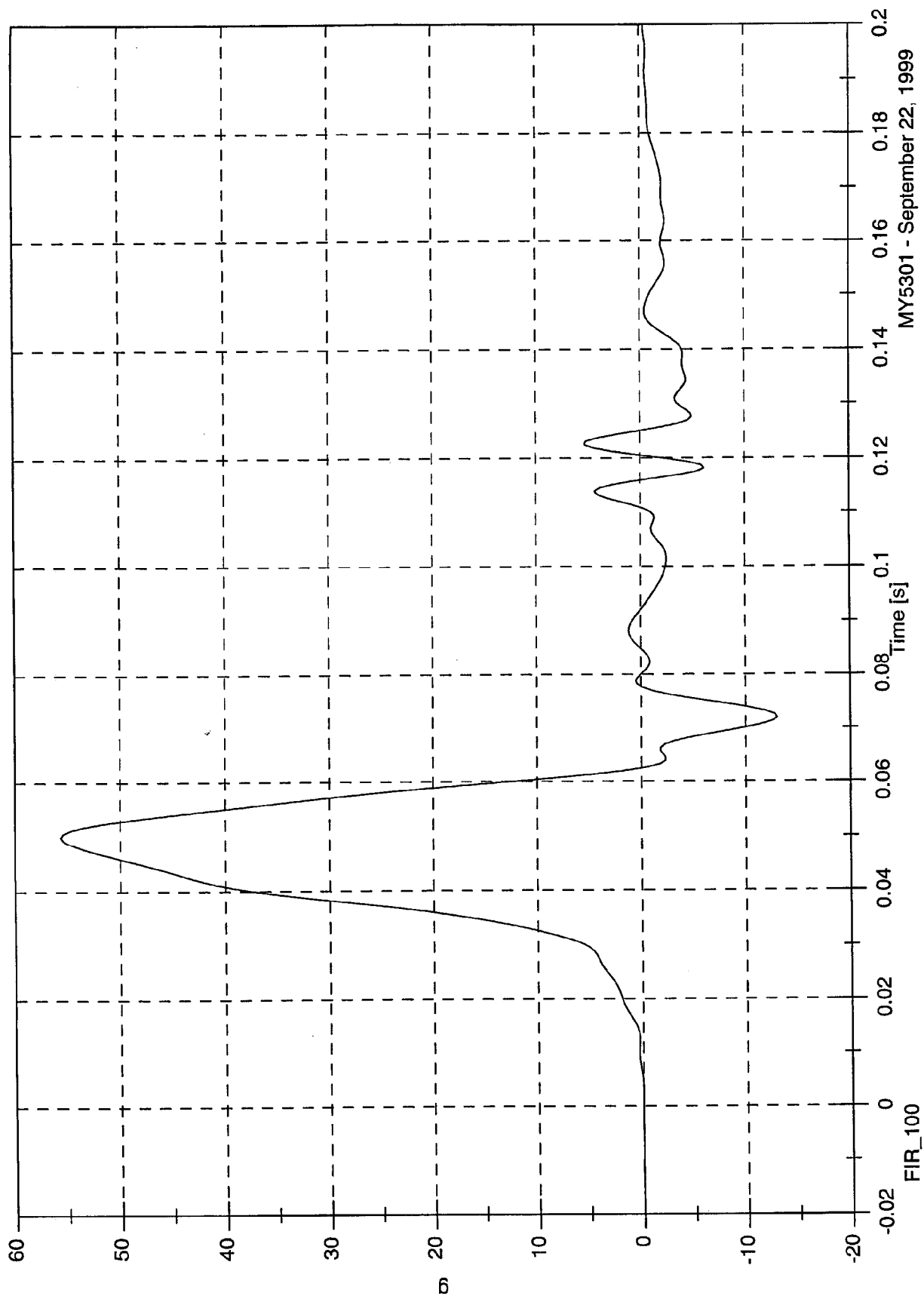


MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 55.6 [g] at 0.050 [s]
Min: -13.0 [g] at 0.072 [s]

P4 Lower Spine Ry



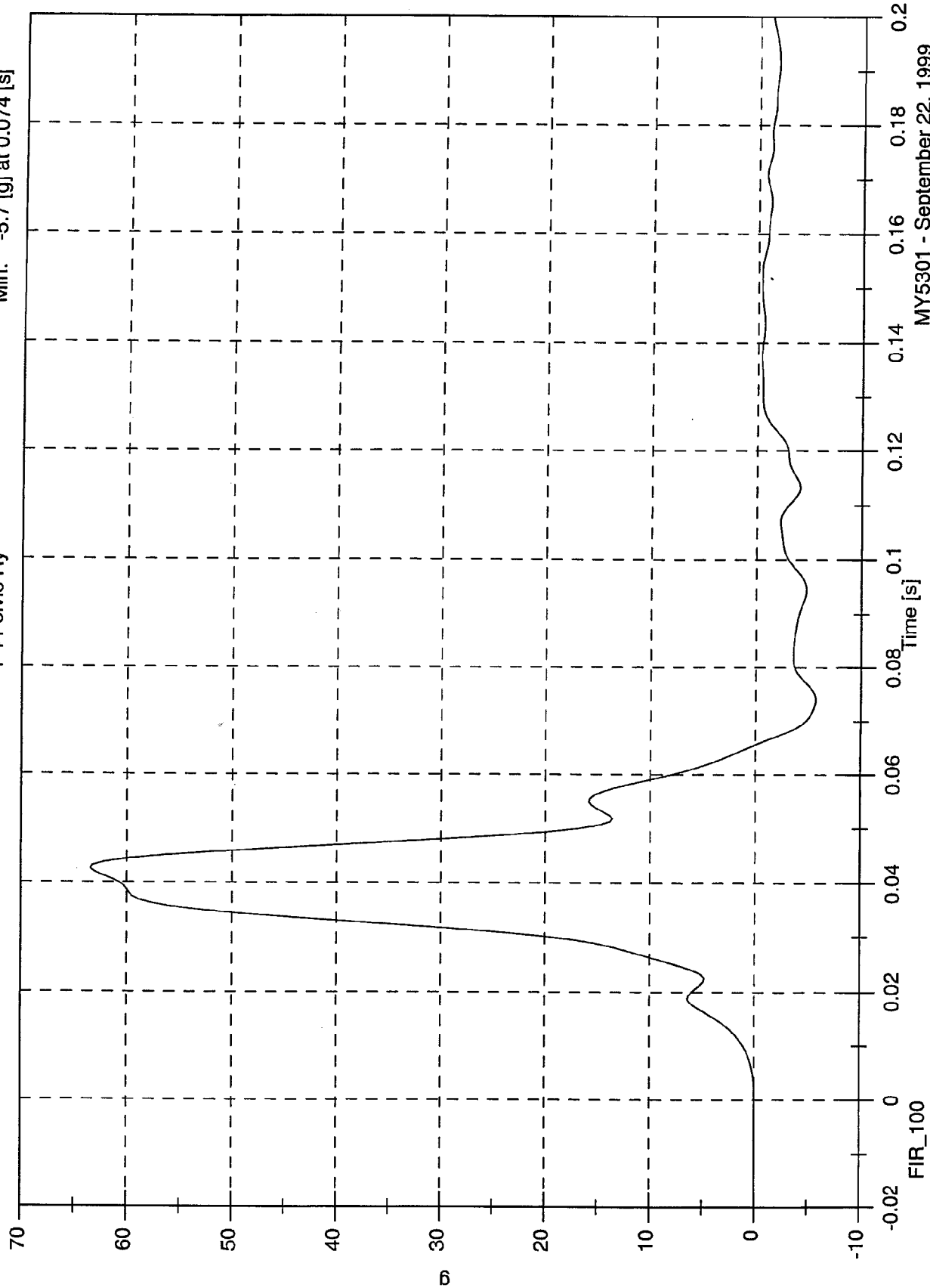
MY5301 - September 22, 1999

SNCAP 2000 Test 3 - 2000 Honda Accord Sedan

Max: 63.5 [g] at 0.043 [s]

Min: -5.7 [g] at 0.074 [s]

P4 Pelvic Ry



MY5301 - September 22, 1999

APPENDIX C

SID CONFIGURATION AND PERFORMANCE VERIFICATION DATA

SUMMARY
SID PRE & POST TEST CALIBRATION

CONFIGURED FOR LEFT SIDE IMPACT

Date: September 17, 1999; October 11, 1999

Sequential Test Number:

2, 3

Laboratory Technician:

B. Swiecicki

TEST PARAMETER	SPECIFICATION	SID NO.: 015		SID NO.: 268	
		PRE TEST	POST TEST	PRE TEST	POST TEST
SH- Seated Height (mm)	889 - 909	904	904	902	899
RH- Rib Height (mm)	501 - 521	511	511	513	513
HP- Hip Pivot Height (mm)	99 ref.	99	99	99	99
RD- Rib from Back Line (mm)	229 - 241	236	236	234	234
KV- Knee Pivot from Back Line (mm)	511 - 526	521	521	518	518
SW- Knee Pivot to Floor (mm)	490 - 505	493	493	495	495
HW- Hip Width (mm)	356 - 391	370	370	373	375
THORAX IMPACTS					
TEMPERATURE (°C)	18.9 - 25.5	21.1	21.7	21.1	21.7
RELATIVE HUMIDITY (%)	10 - 70	32	32	32	32
PROBE SPEED (m/s)	4.27 - 4.33	4.28	4.30	4.27	4.32
UPPER RIB (g's)	37 - 46	38.0	38.9	39.0	37.9
LOWER RIB (g's)	37 - 46	37.0	38.2	40.0	37.1
LOWER SPINE (g's)	15 - 22	22.0	21.7	20.0	20.2
PELVIS IMPACT					
TEMPERATURE (°C)	18.9 - 25.5	21.1	21.7	21.1	21.7
RELATIVE HUMIDITY (%)	10 - 70	32	32	32	32
PROBE SPEED (m/s)	4.27 - 4.33	4.27	4.29	4.28	4.31
PELVIS (g's)	40 - 60	51.0	47.8	43.0	55.6

REMARKS: None

CALIBRATION TEST RESULTS
PRE-TEST

SID NO.: 015

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 2
Date: September 17, 1999 Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
THORACIC SHOCK ABSORBER TEST	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 2
Date: September 16, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	904
RH- Rib Height (mm)	502 - 520	511
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	236
KH- Knee Pivot from Back Line (mm)	511 - 526	521
KV- Knee Pivot to Floor (mm)	490 - 505	493
HW- Hip Width (mm)	356 - 391	370

REMARKS: None

THORACIC SHOCK ABSORBER TESTS
PRE-TEST

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 1.2
Date: August 27, 1999 Laboratory Technician: B. Swiecicki

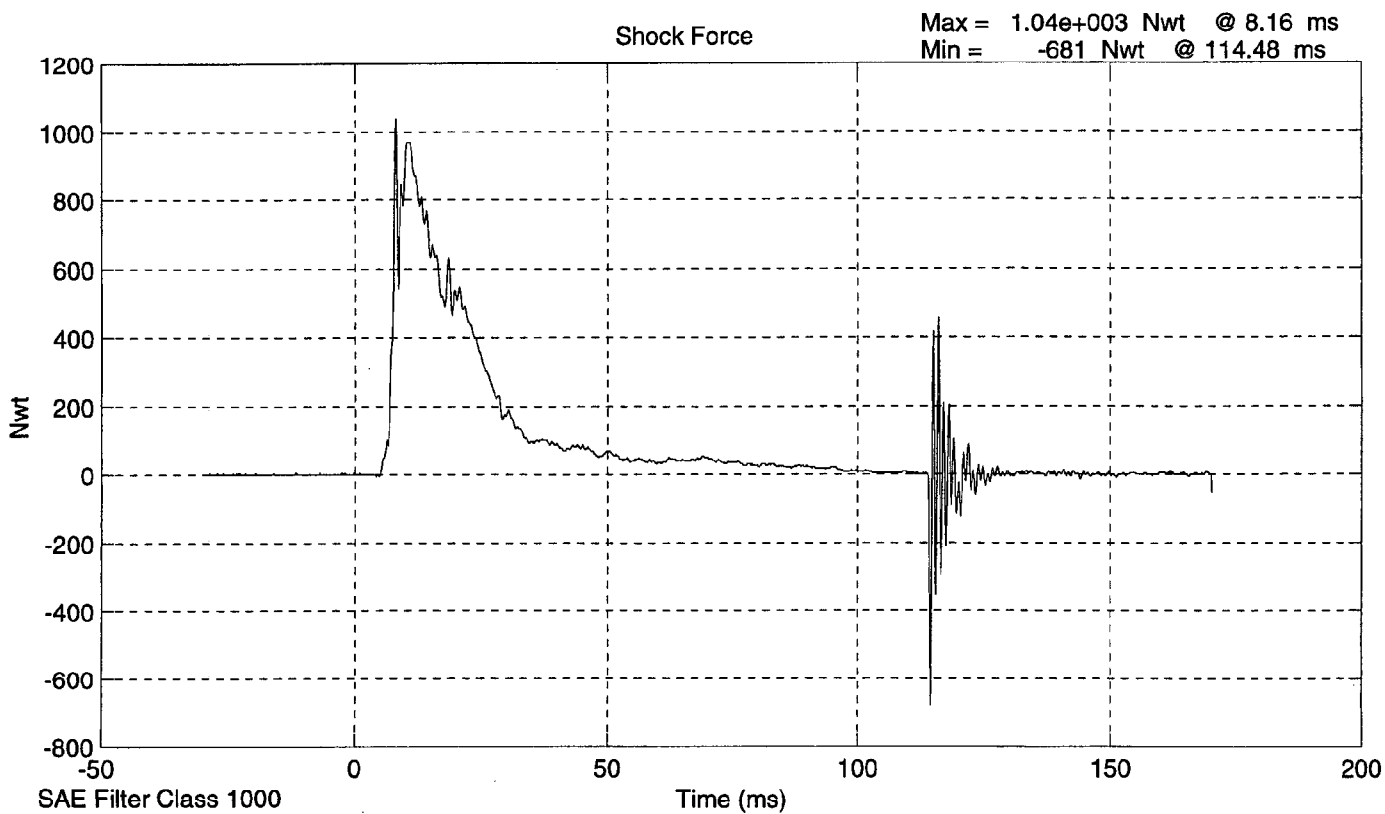
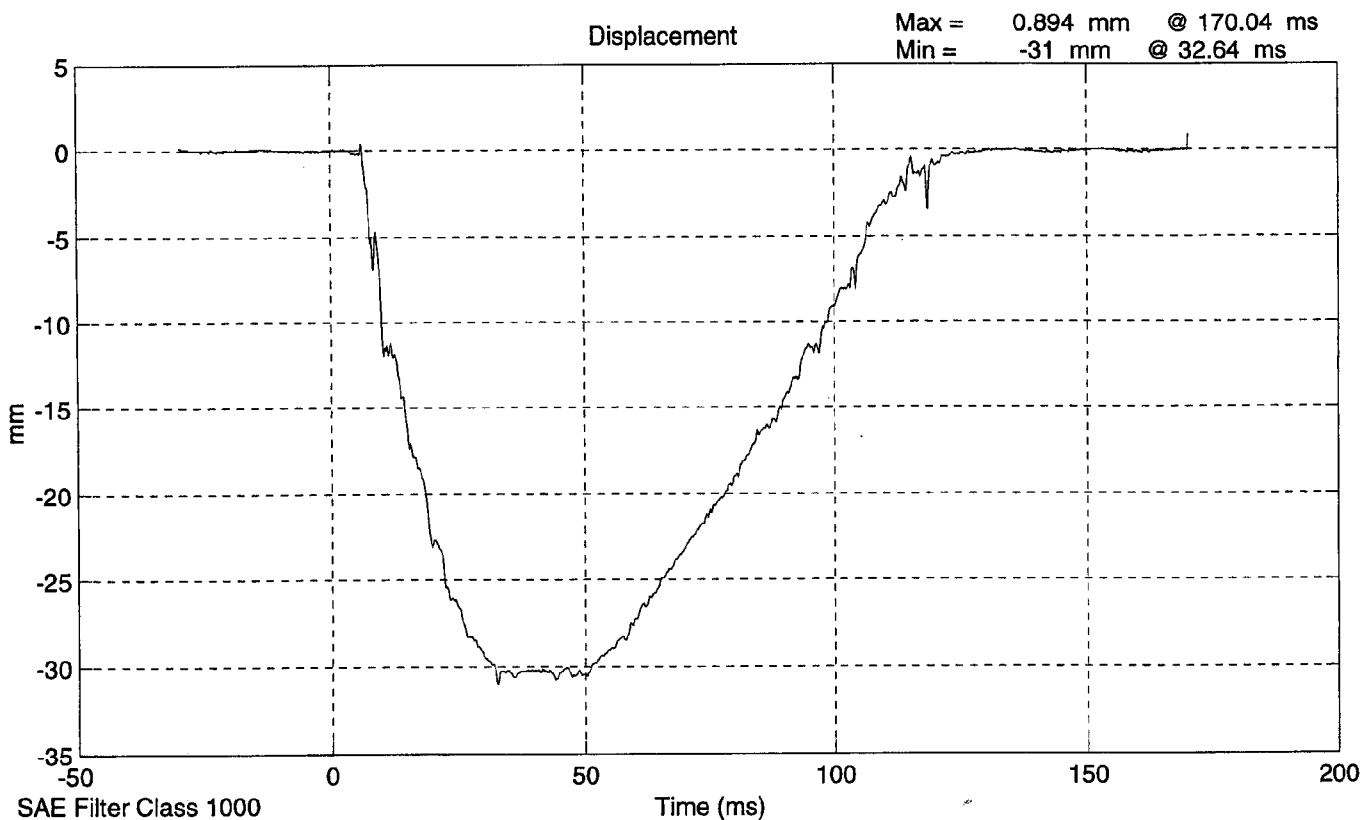
DAMPER IDENTIFICATION: 015

TEST PARAMETER		SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)		18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)		10 - 70	30
VELOCITY 3.05 m/s	FORCE (N)	836 - 1125	1039
	DISPLACEMENT (mm)	30 - 35	31
VELOCITY 4.27 m/s	FORCE (N)	1730 - 2099	2001
	DISPLACEMENT (mm)	32 - 37	35
VELOCITY 6.10 m/s	FORCE (N)	3741 - 4448	4219
	DISPLACEMENT (mm)	33 - 40	35

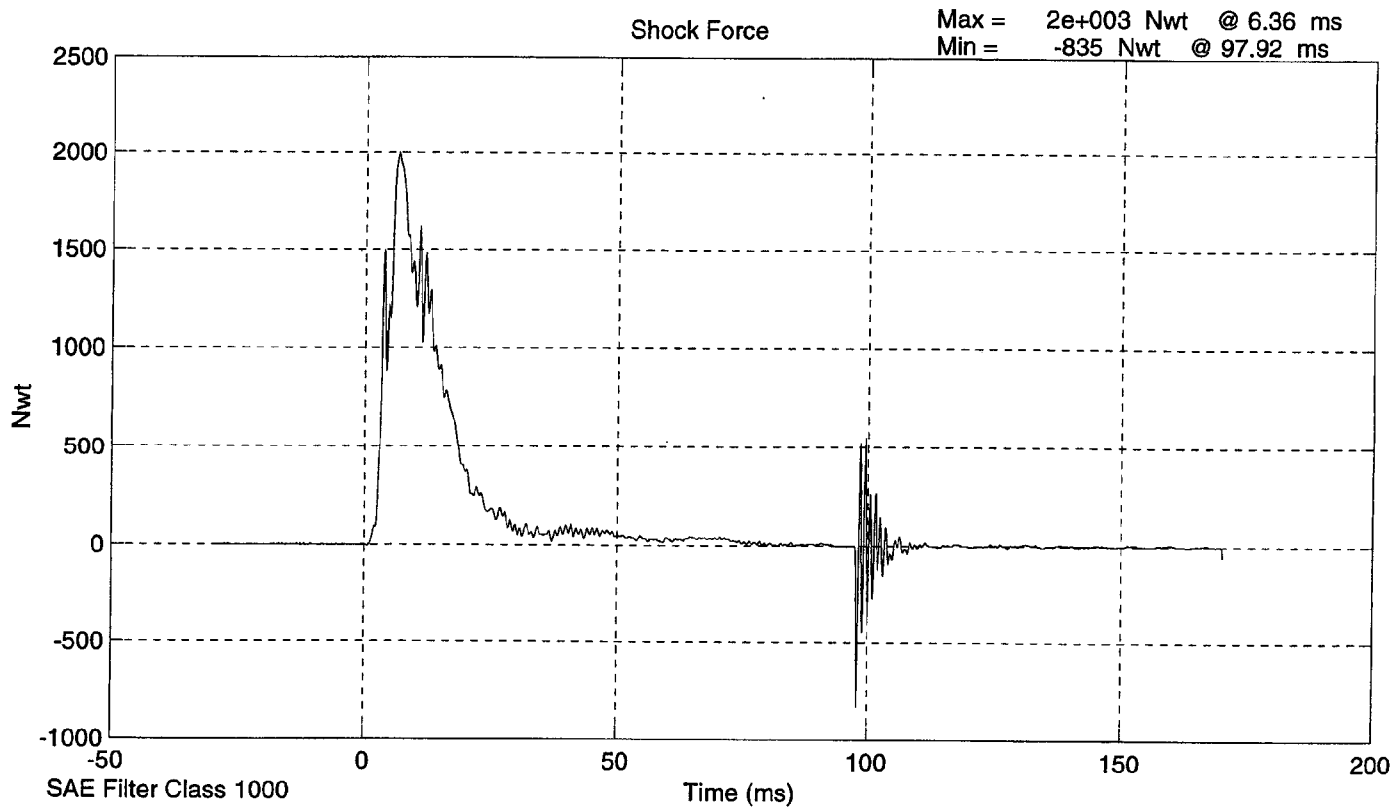
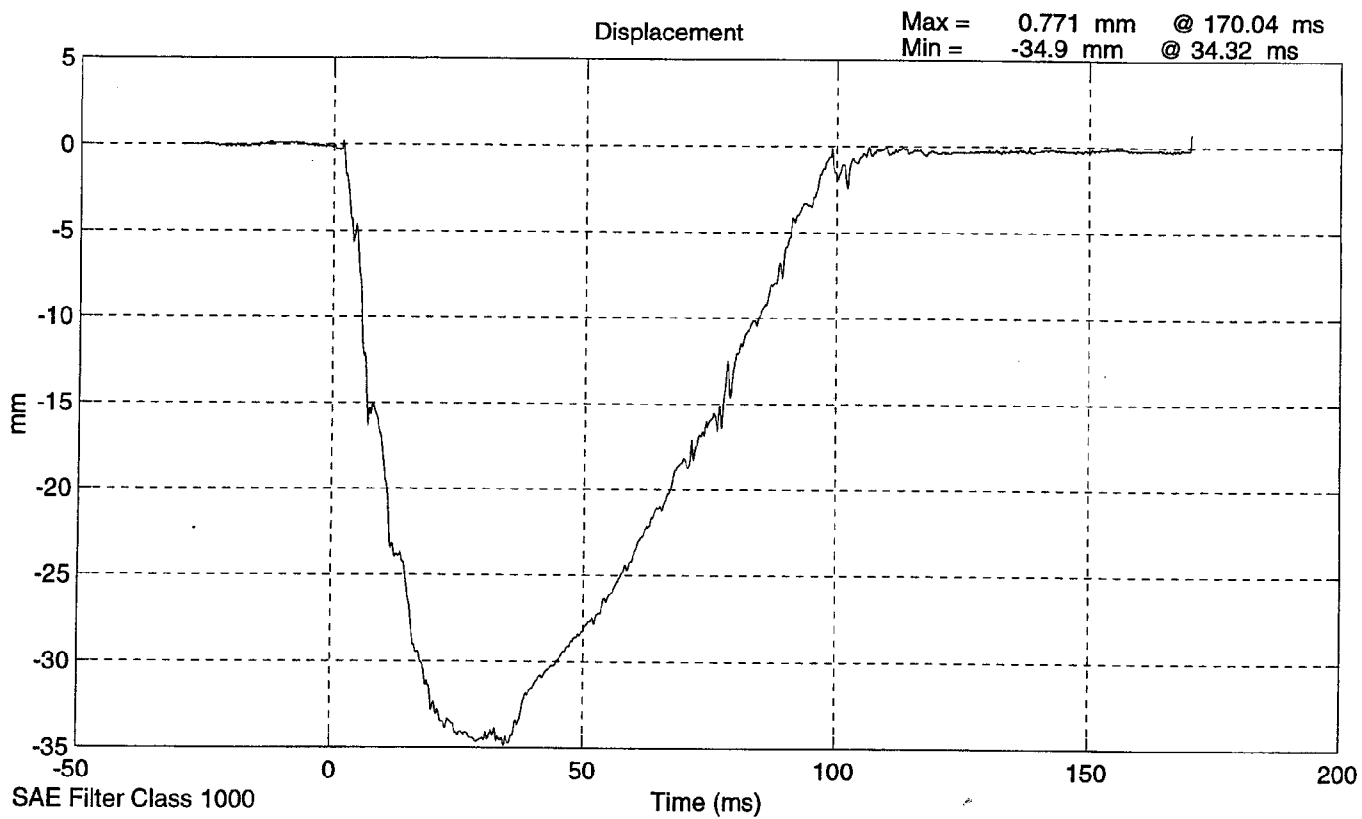
DAMPER SETTING: 5

REMARKS: None

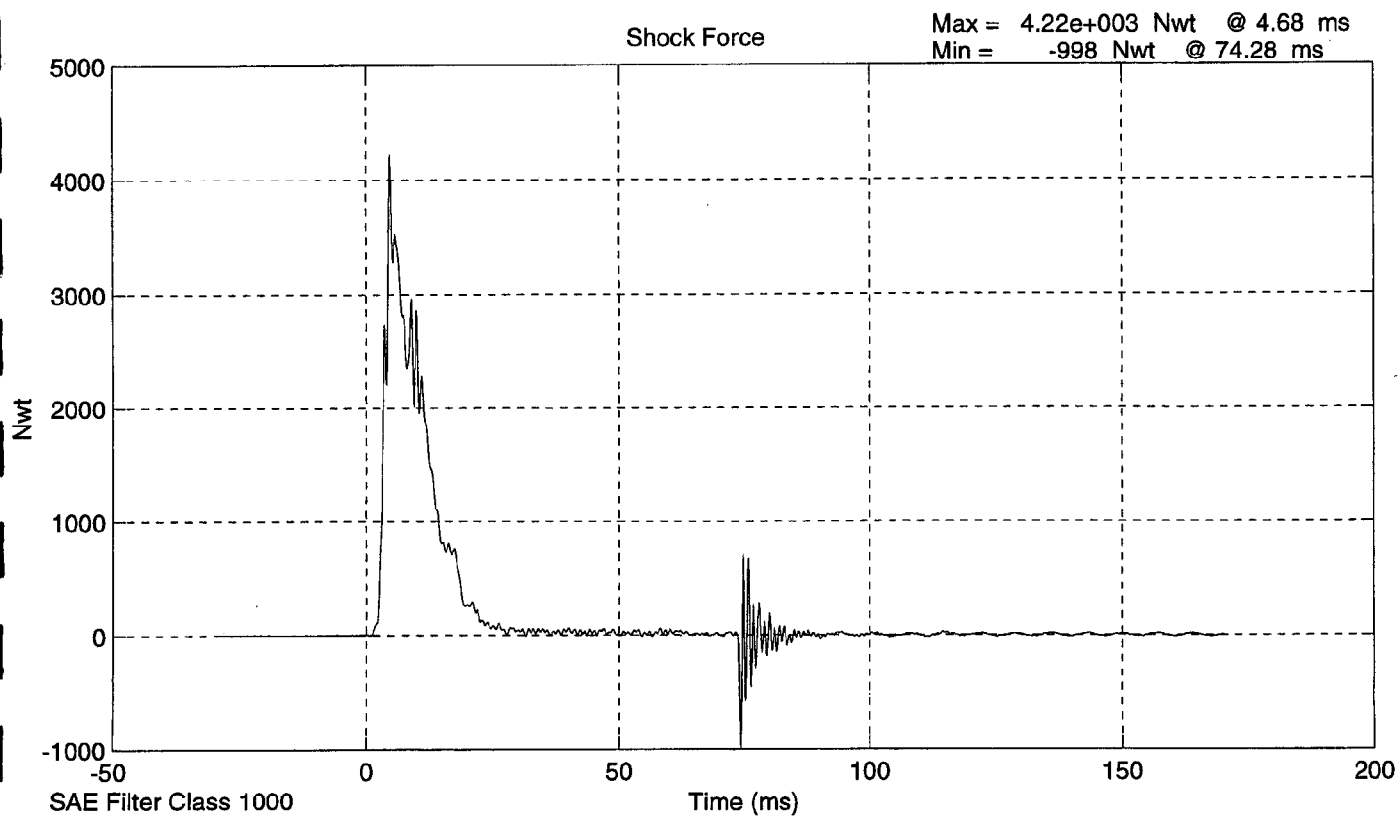
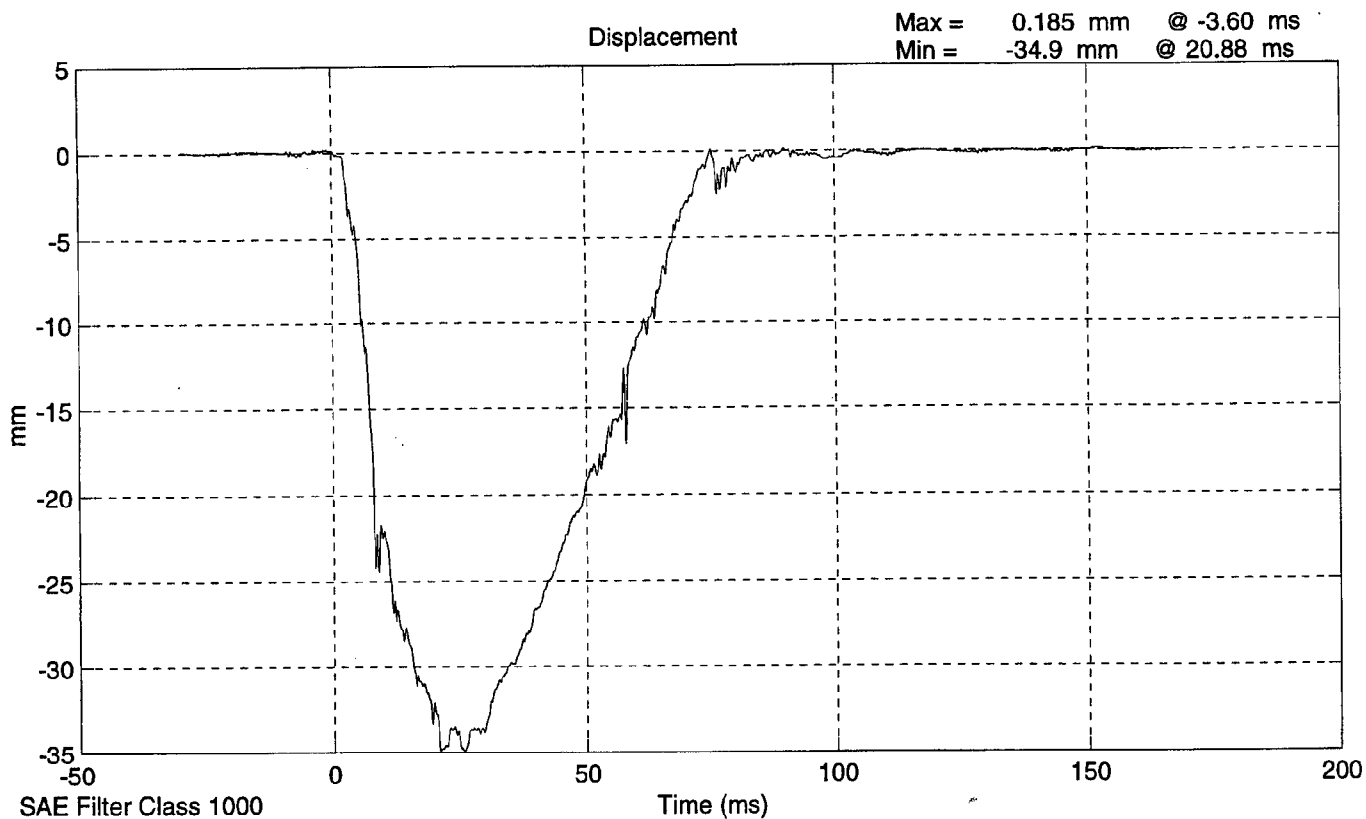
SID Shock Absorber Impact Test 015 @ 3.048 m/s



SID Shock Absorber Impact Test 015 @ 4.2672 m/s



SID Shock Absorber Impact Test 015 @ 6.096 m/s



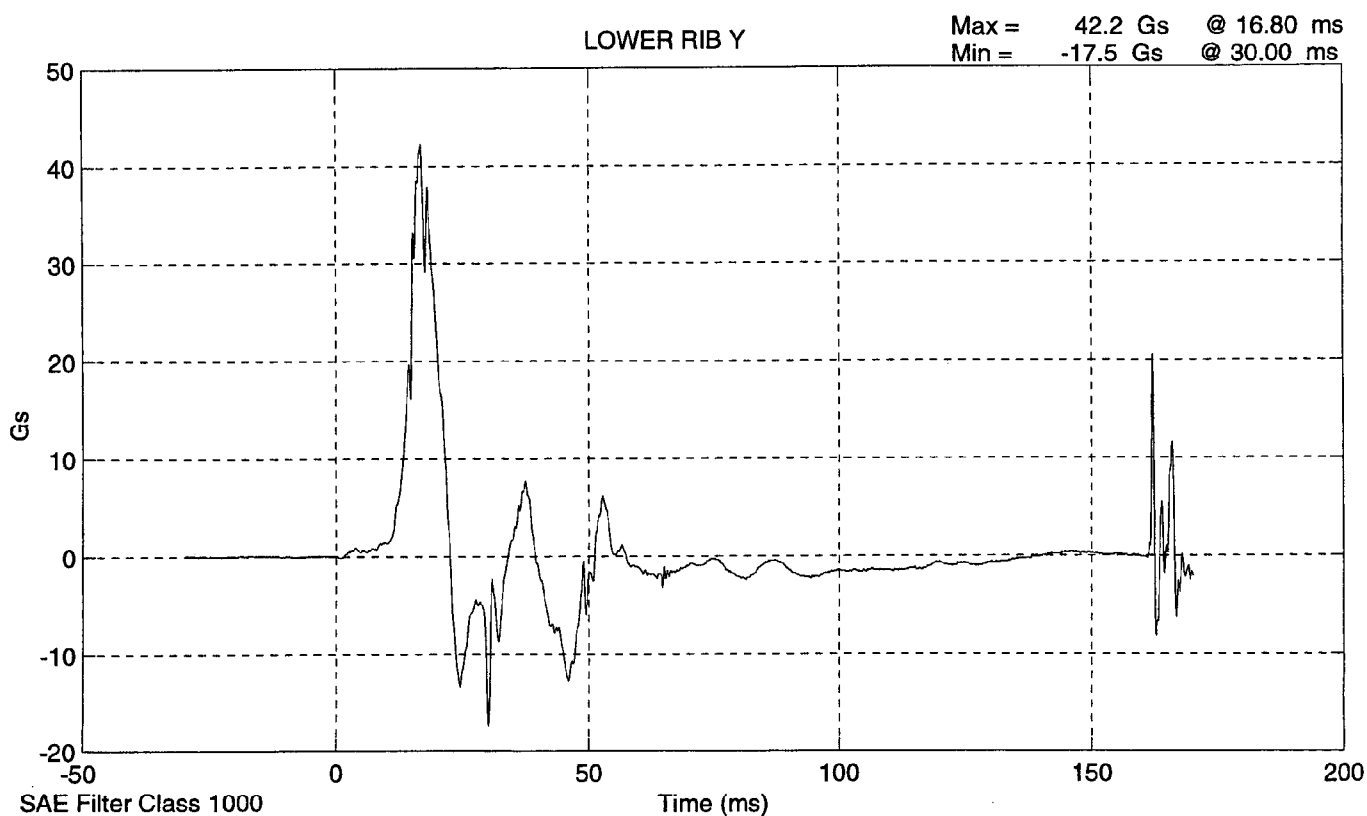
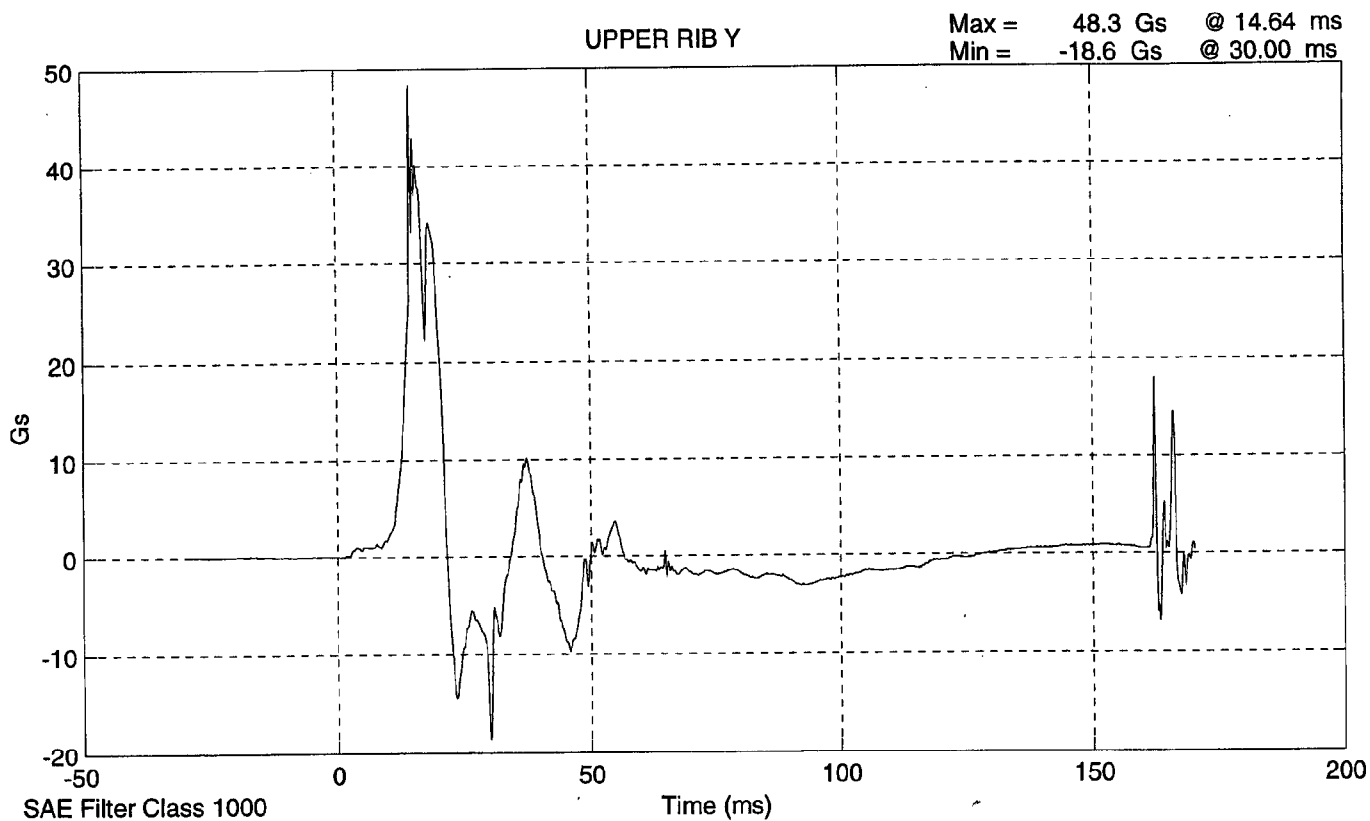
**LATERAL THORAX IMPACT TEST
PRE-TEST**

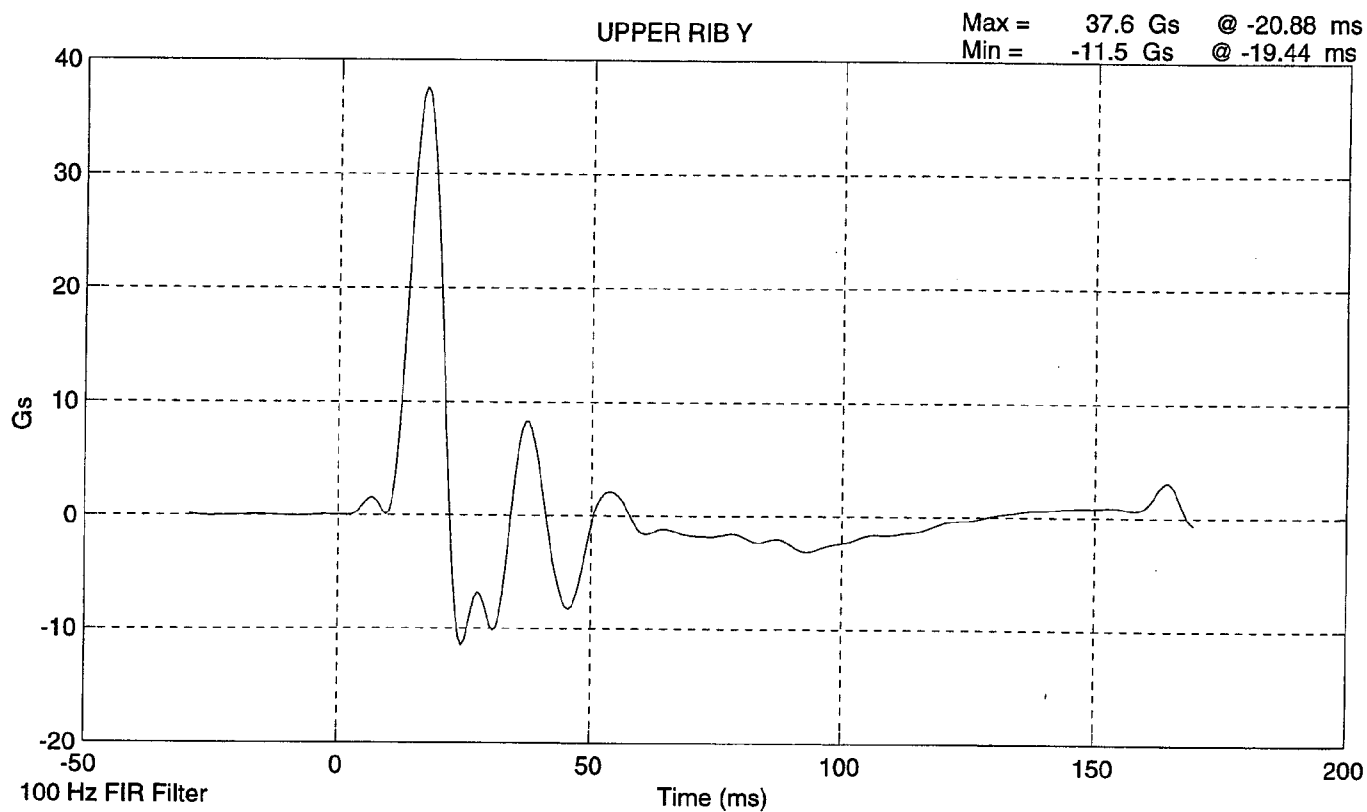
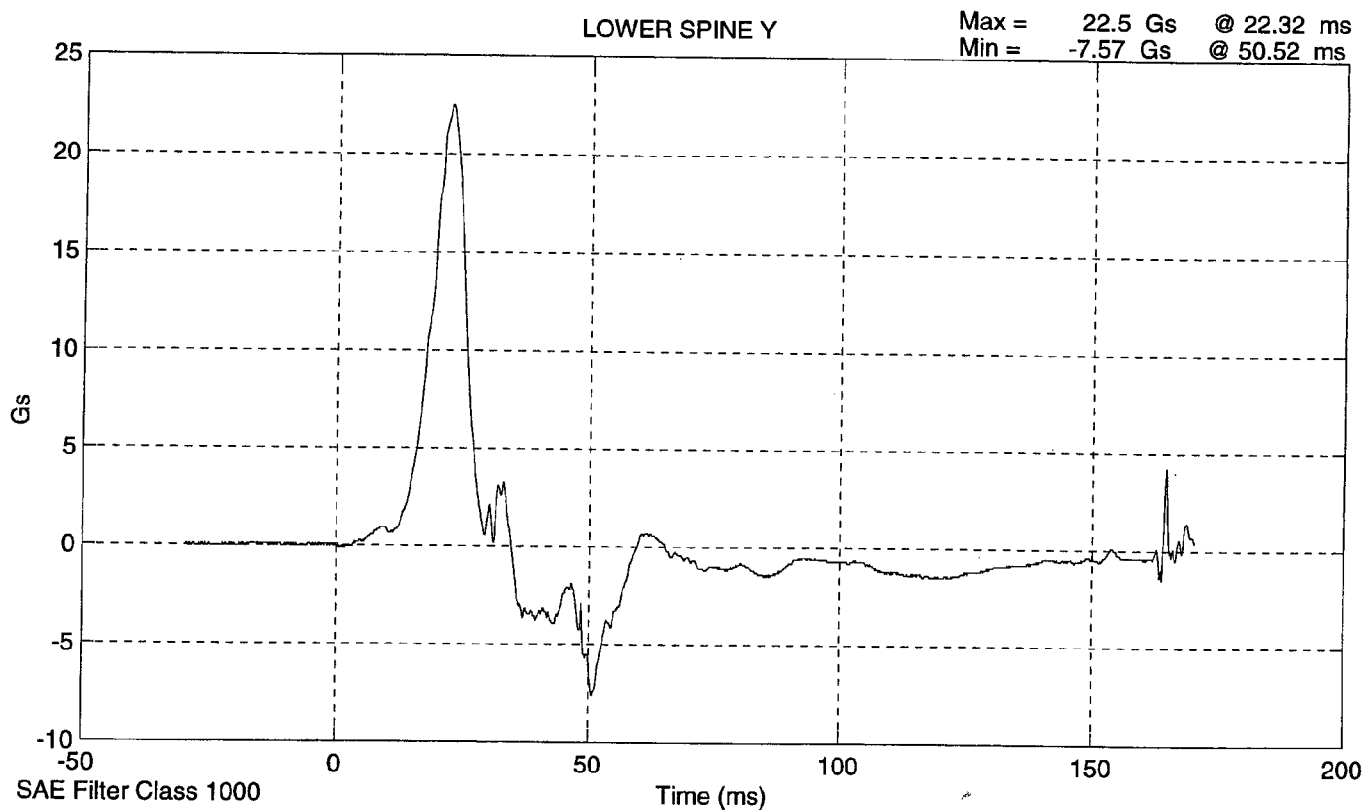
CONFIGURED FOR LEFT SIDE IMPACT

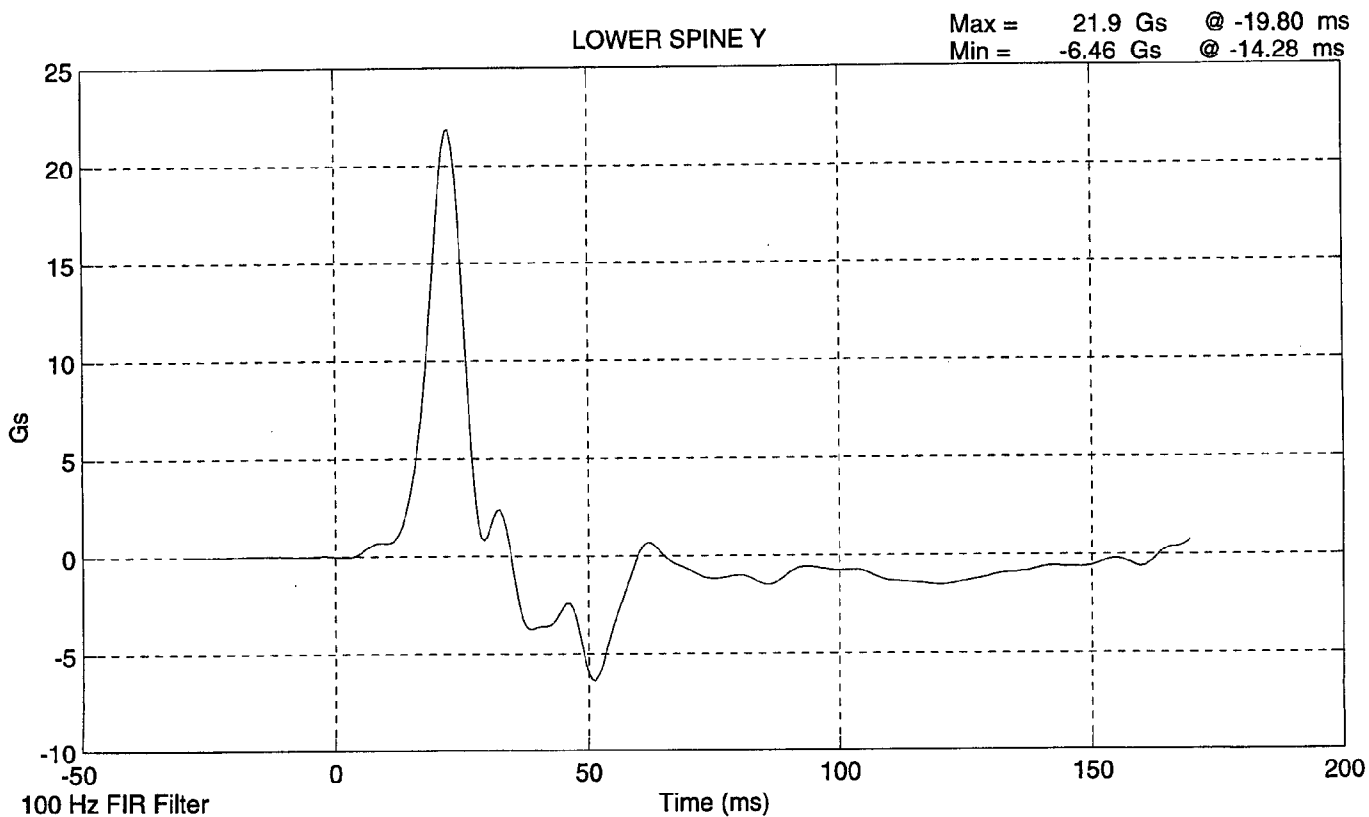
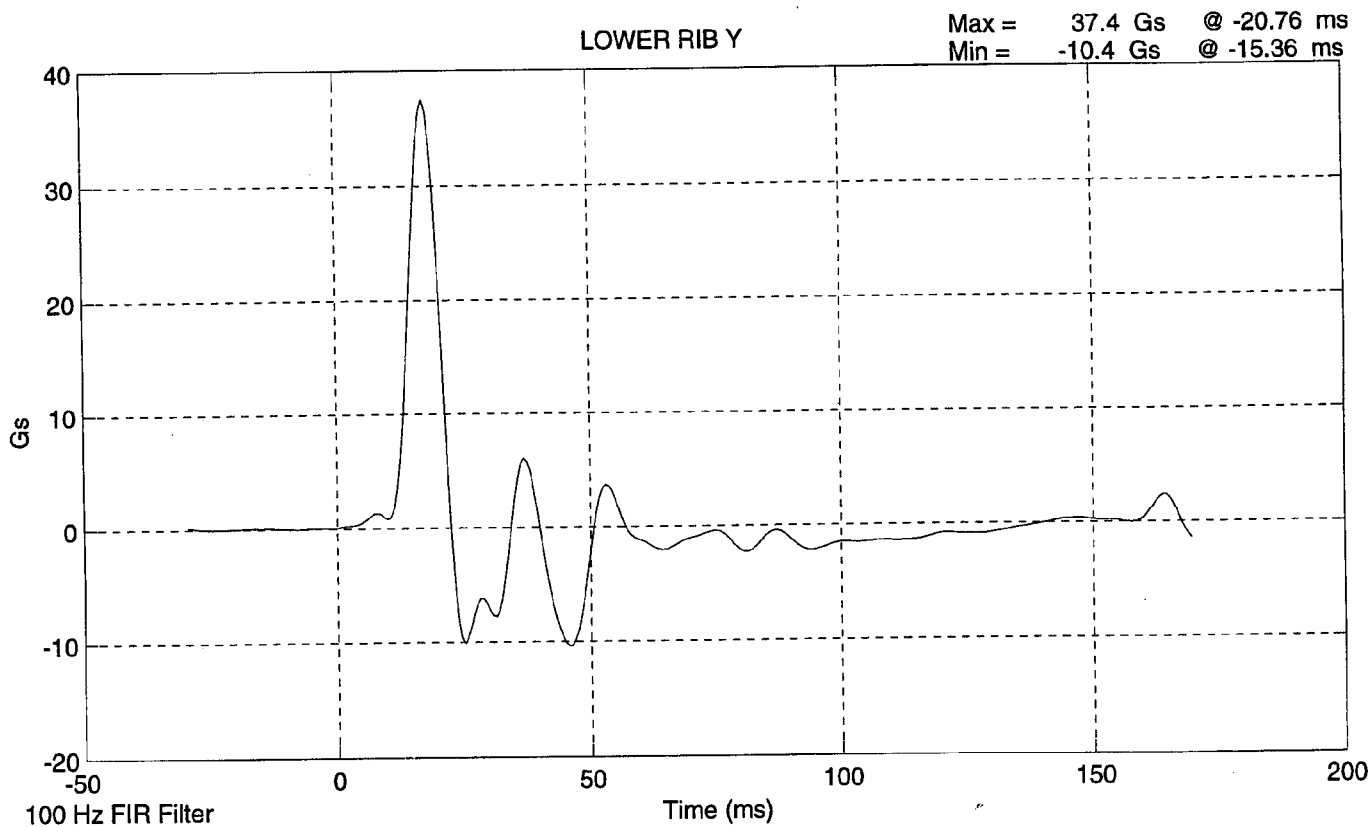
SID Serial No.: 015 Sequential Test Number: 2
Date: September 16, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	32
PROBE SPEED (m/s)	4.27 - 4.33	4.28
UPPER RIB (g's)	37 - 46	38
LOWER RIB (g's)	37 - 46	37
LOWER SPINE (g's)	15 - 22	22

REMARKS: None







**LATERAL PELVIS IMPACT TEST
PRE-TEST**

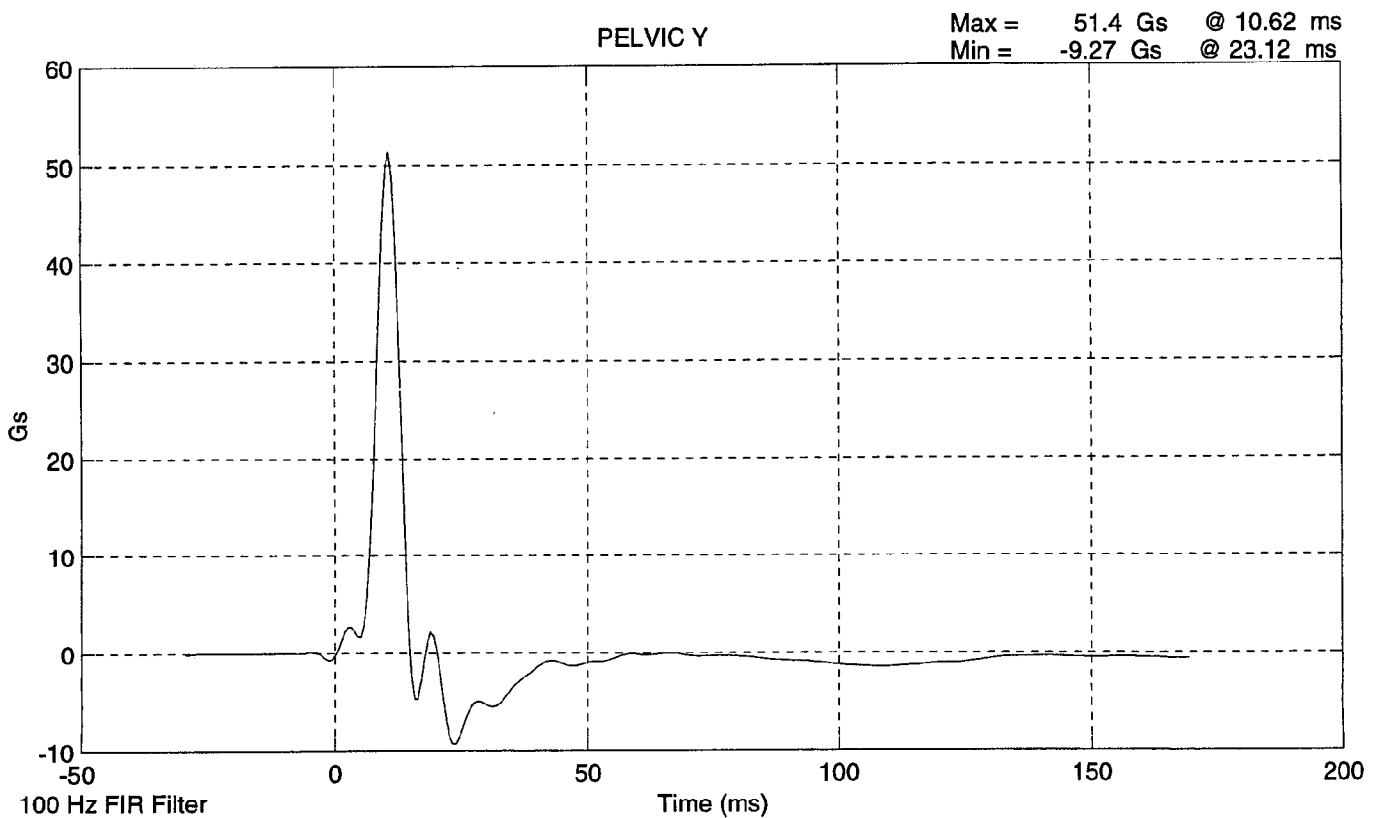
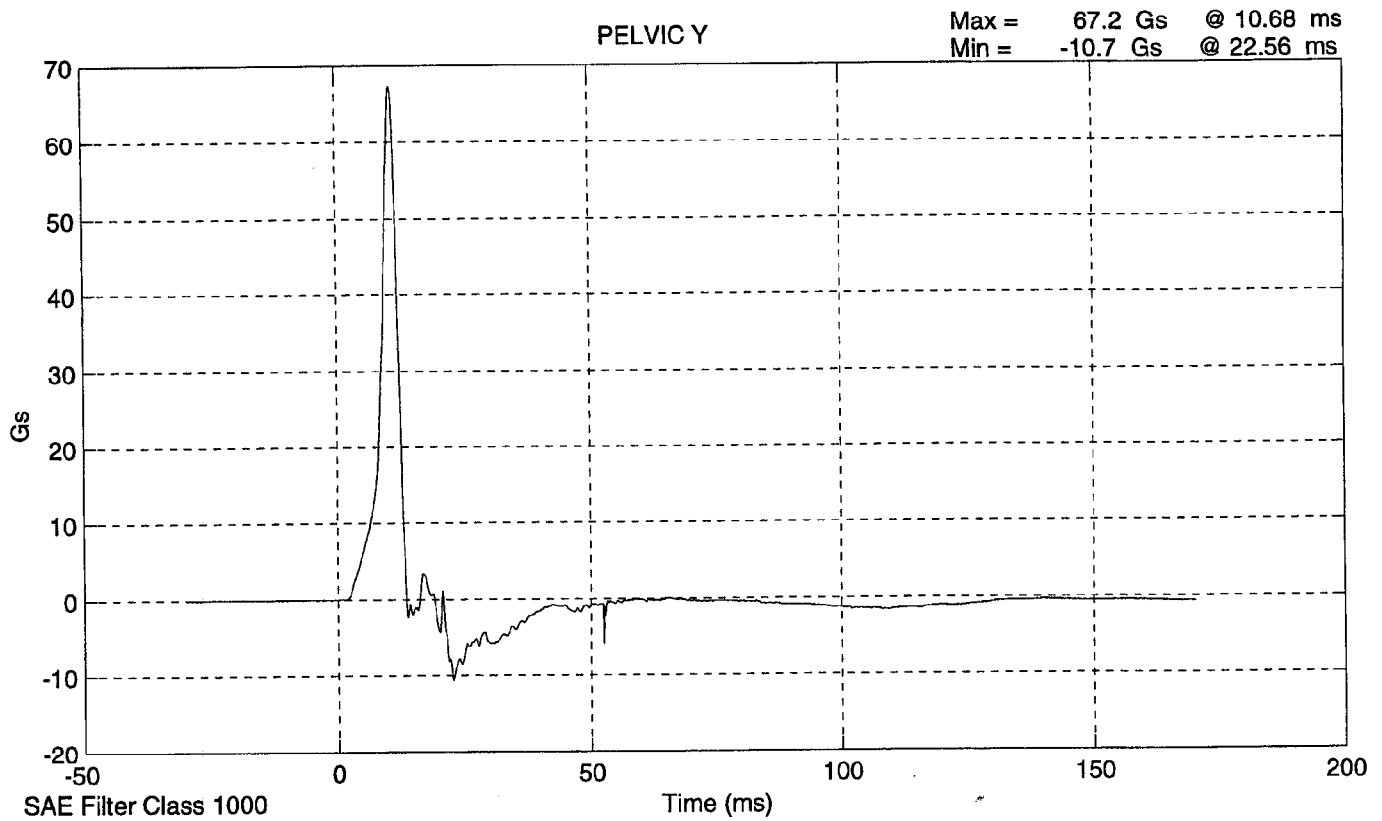
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 2
Date: September 16, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	32
PROBE SPEED (m/s)	4.27 - 4.33	4.27
PELVIS ACCELERATION (g's)	40 - 60	51

REMARKS: None

SID 015 Pelvic Impact Test @ 4.2733 m/s



ABDOMINAL COMPRESSION TEST**PRE-TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACTSID Serial No.: 015Sequential Test Number: 2Date: September 17, 1999Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	31
FORCE @ 13 mm (N)	104 - 162	134
FORCE @ 19 mm (N)	163 - 221	191
FORCE @ 25 mm (N)	222 - 280	262
FORCE @ 33 mm (N)	325 - 391	375

REMARKS: None

Dummy S/N 015

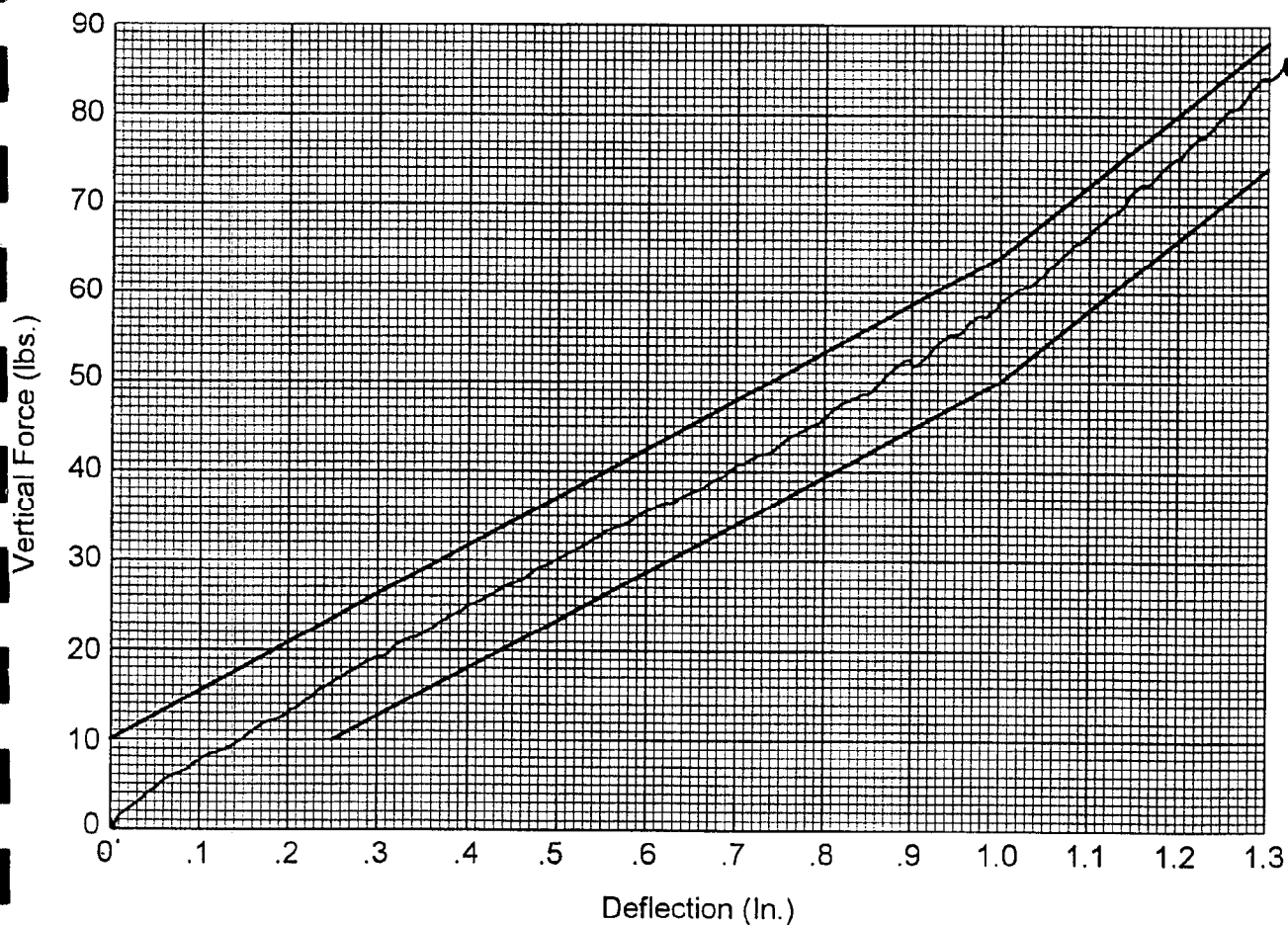
W/A _____

Date 9-17-99

Performed By [Signature]

Temp. 71°

Humidity 31%



Hybrid II
Abdomen Static Press

LUMBAR FLEXION TEST
PRE-TEST
(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 2
Date: September 17, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	31
FORCE @ 0° (N)	0 - 26.7	0
FORCE @ 20° (N)	97.8 - 151.2	129
FORCE @ 30° (N)	151.2 - 204.6	187
FORCE @ 40° (N)	204.6 - 258	234
RETURN ANGLE	12° max.	11.0

REMARKS: None

Dummy S/N

015

W/A

Date

9-17-99

Performed By

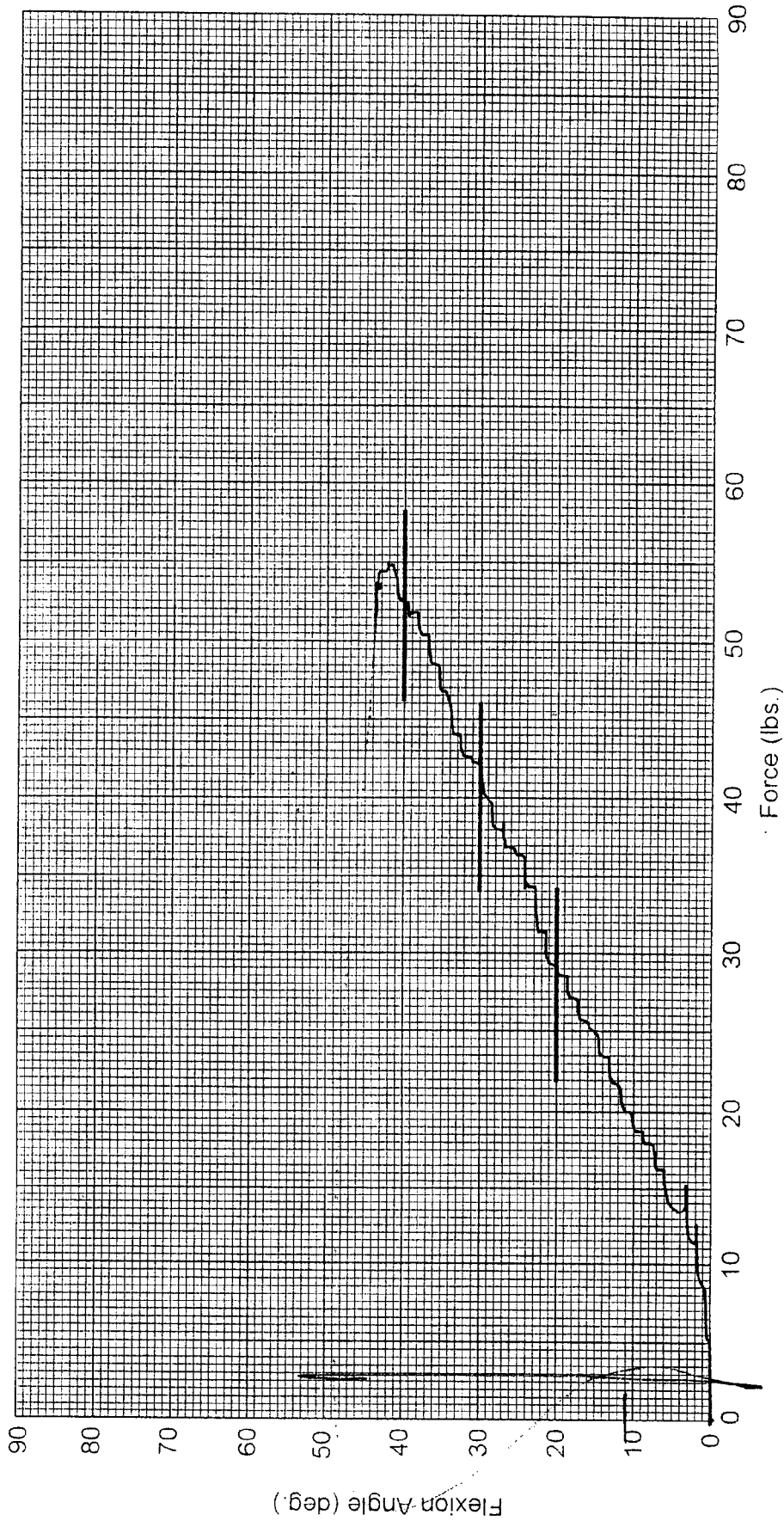
[Signature]

Temp.

71

Humidity

31%



Hybrid II Lumbar Spine Flexion Test

PRE-TEST DUMMY INSPECTION LIST**CONFIGURED FOR LEFT SIDE IMPACT**SID Serial No.: 015Sequential Test Number: 2Date: September 16, 1999Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	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	NONE	-

REMARKS: None

**CALIBRATION TEST RESULTS
PRE-TEST**

SID NO.: 268

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268 Sequential Test Number: 2
Date: September 17, 1999 Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
THORACIC SHOCK ABSORBER TEST	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268 Sequential Test Number: 2
Date: September 16, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	902
RH- Rib Height (mm)	502 - 520	513
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	234
KH- Knee Pivot from Back Line (mm)	511 - 526	518
KV- Knee Pivot to Floor (mm)	490 - 505	495
HW- Hip Width (mm)	356 - 391	373

REMARKS: None

**THORACIC SHOCK ABSORBER TESTS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268 Sequential Test Number: 1.2
Date: August 27, 1999 Laboratory Technician: B. Swiecicki

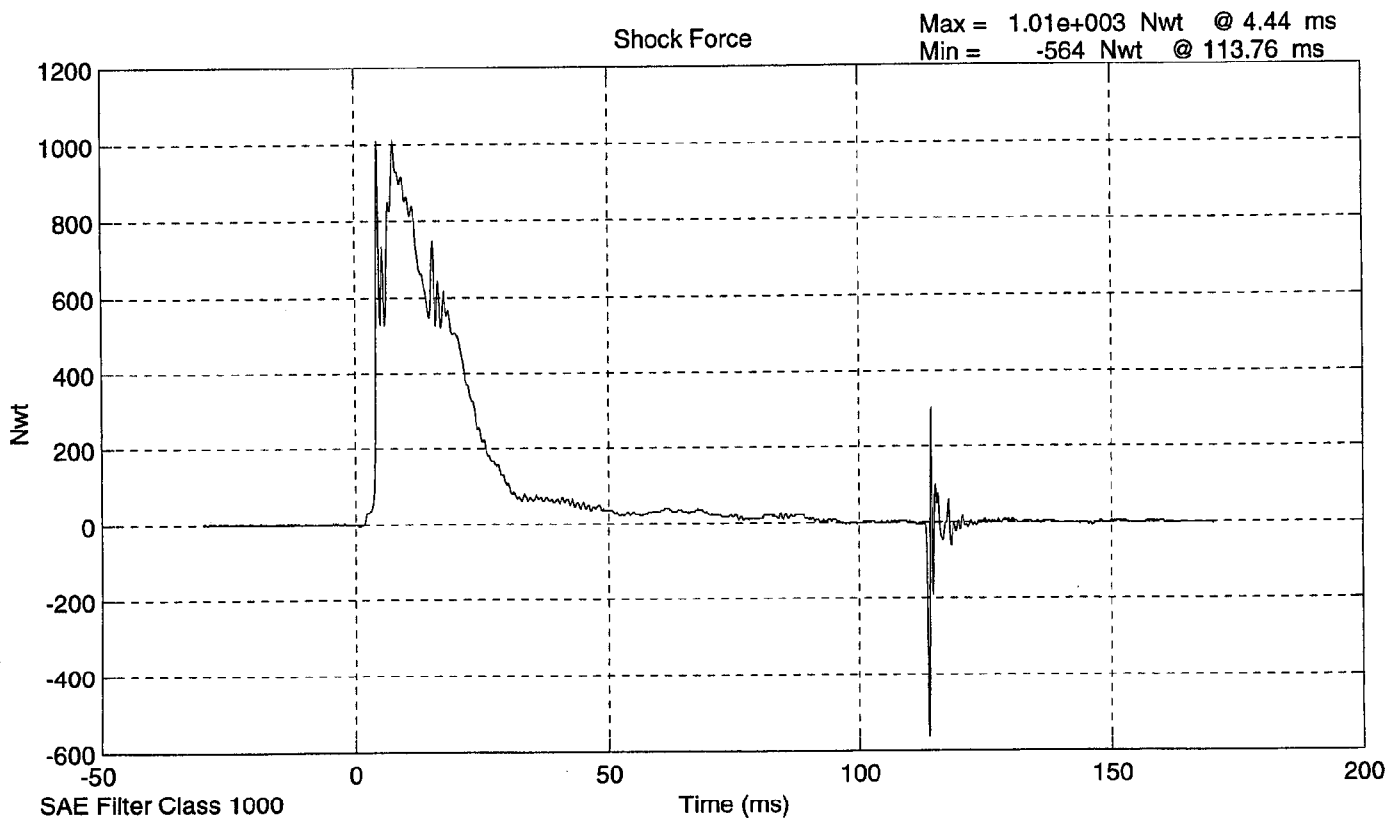
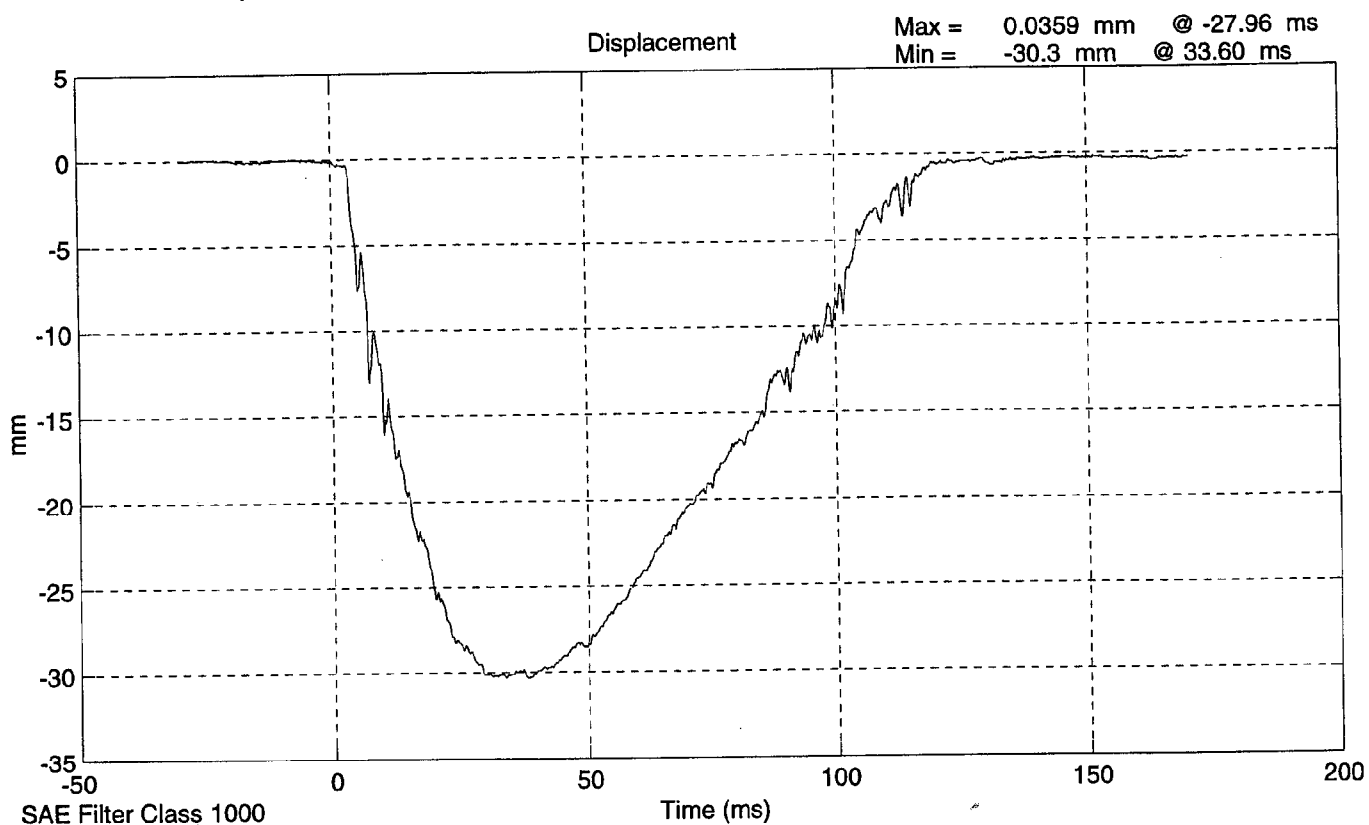
DAMPER IDENTIFICATION: 268

TEST PARAMETER		SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)		18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)		10 - 70	30
VELOCITY 3.05 m/s	FORCE (N)	836 - 1125	1011
	DISPLACEMENT (mm)	30 - 35	30
VELOCITY 4.27 m/s	FORCE (N)	1730 - 2099	1942
	DISPLACEMENT (mm)	32 - 37	34
VELOCITY 6.10 m/s	FORCE (N)	3741 - 4448	3931
	DISPLACEMENT (mm)	33 - 40	36

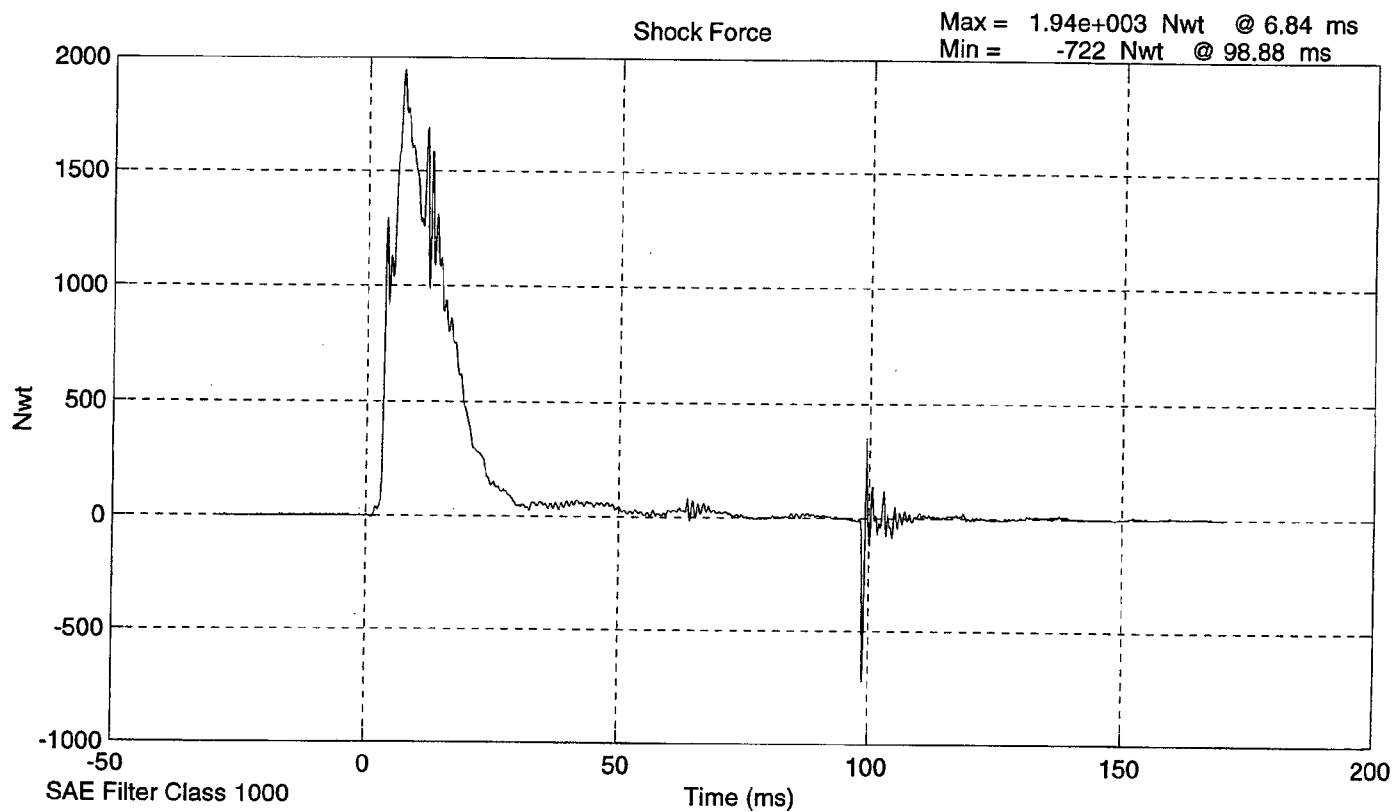
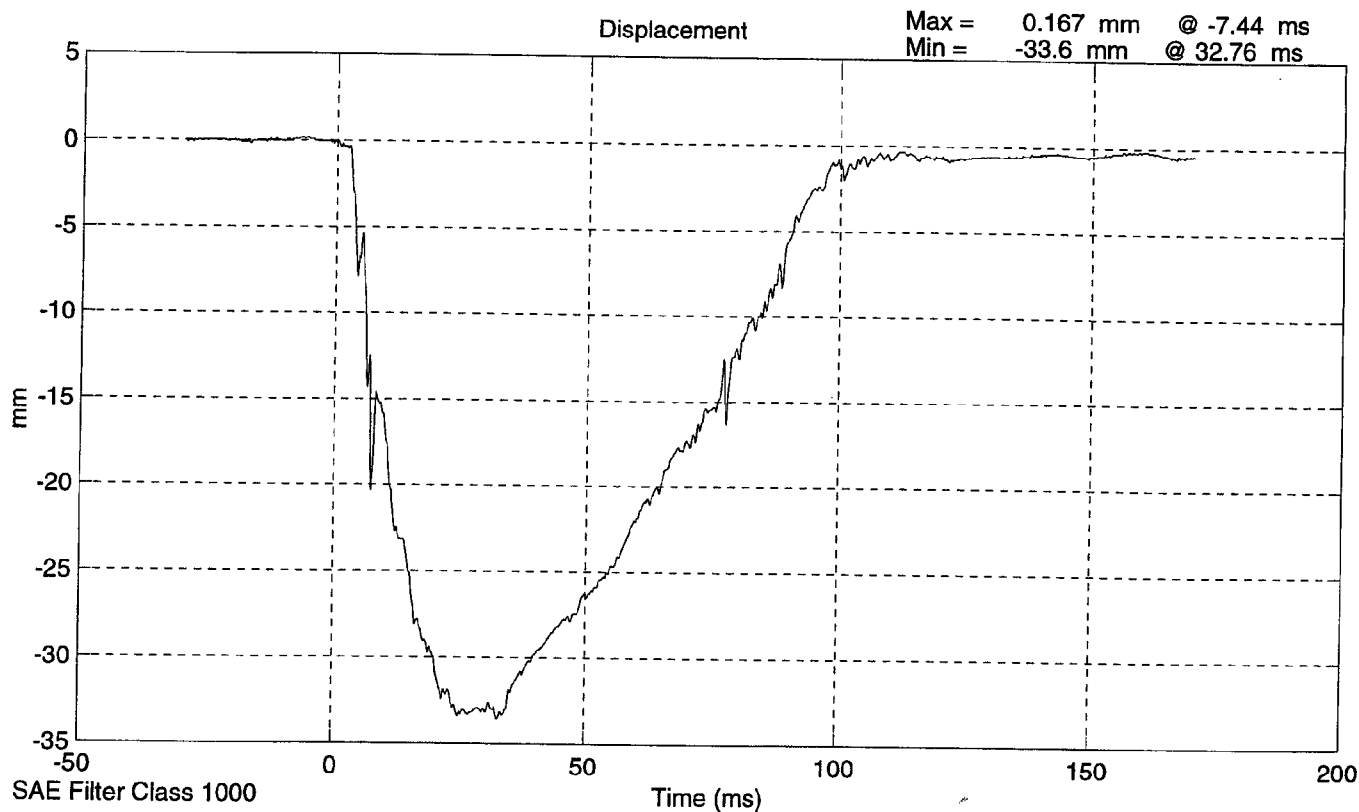
DAMPER SETTING: 5

REMARKS: None

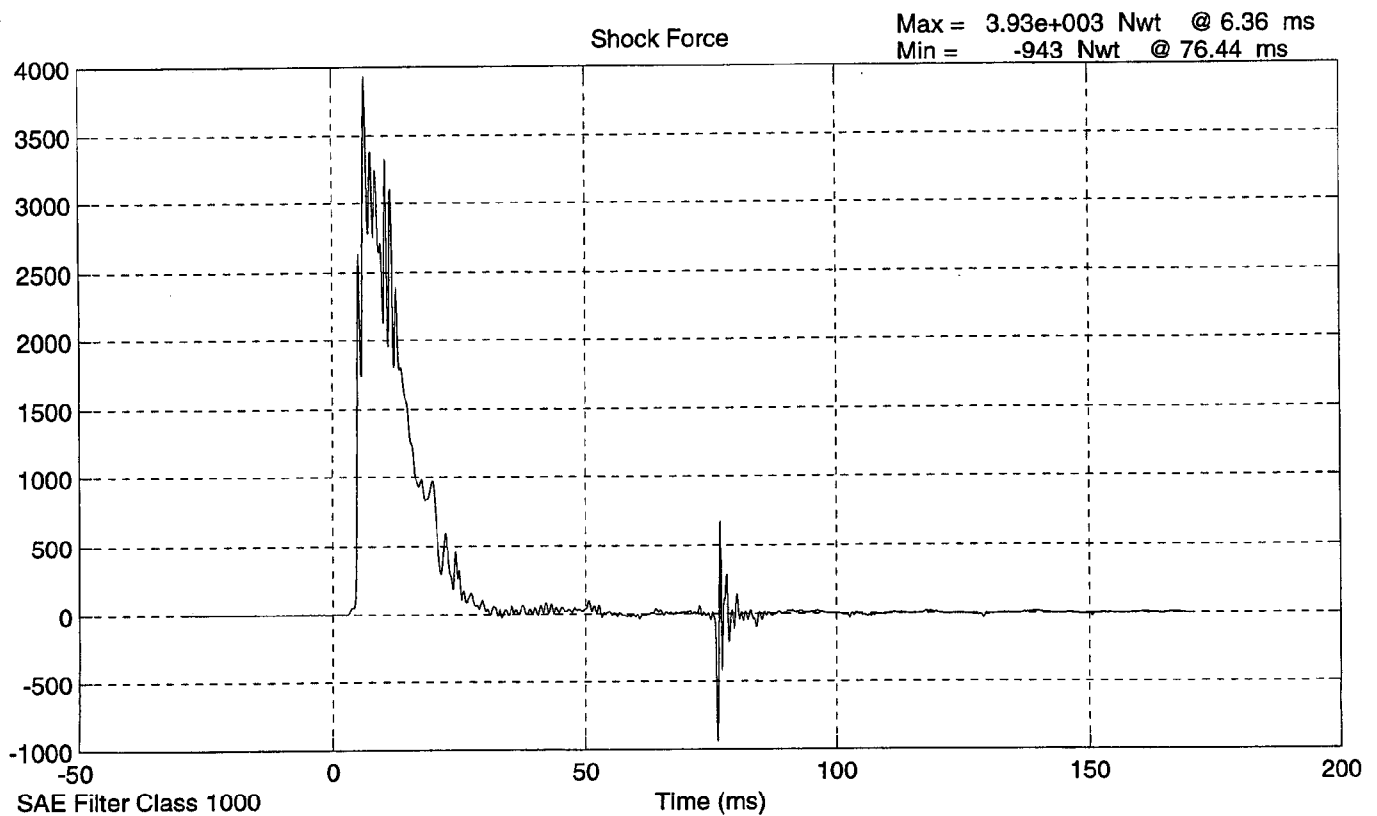
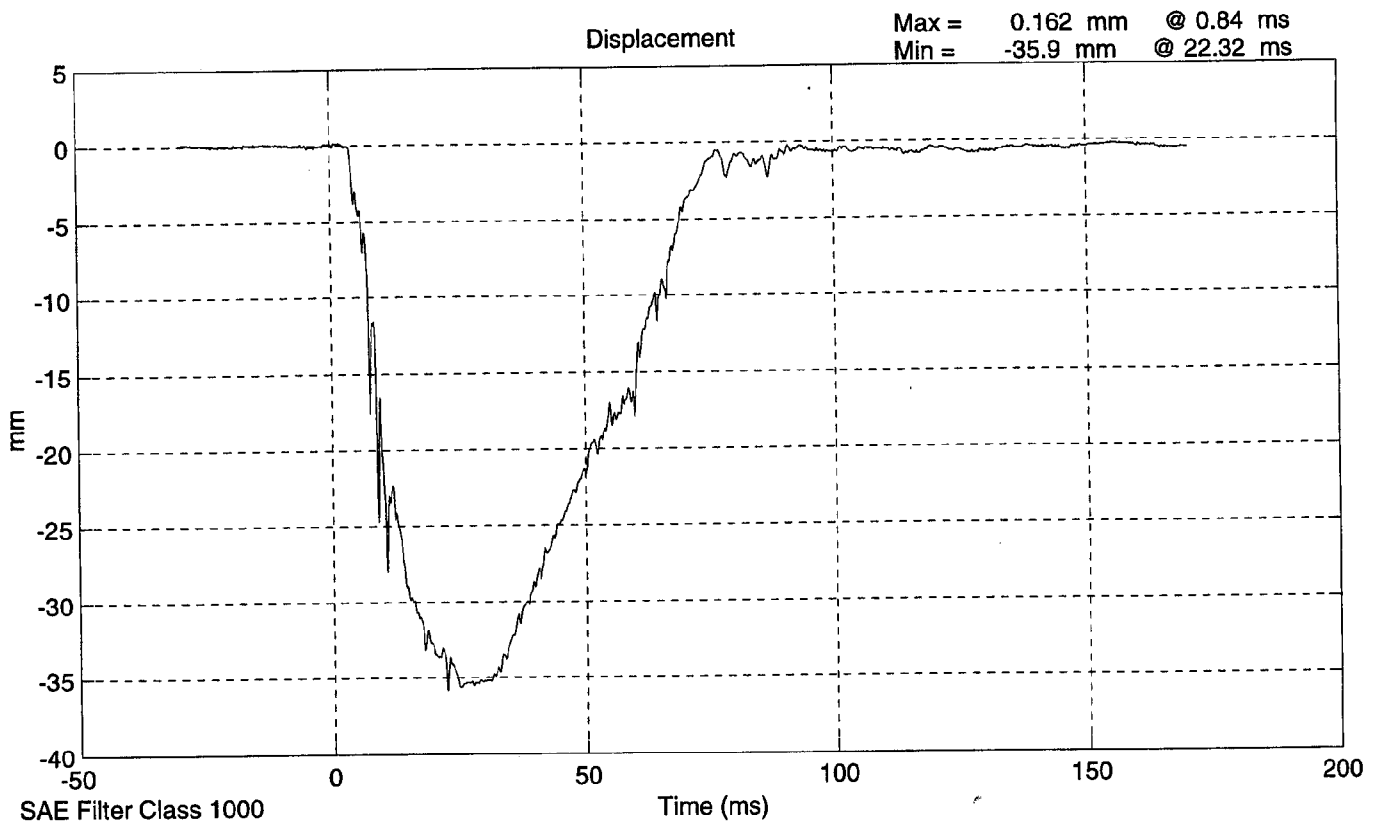
SID Shock Absorber Impact Test 268 @ 3.048 m/s



SID Shock Absorber Impact Test 268 @ 4.2672 m/s



SID Shock Absorber Impact Test 268 @ 6.096 m/s



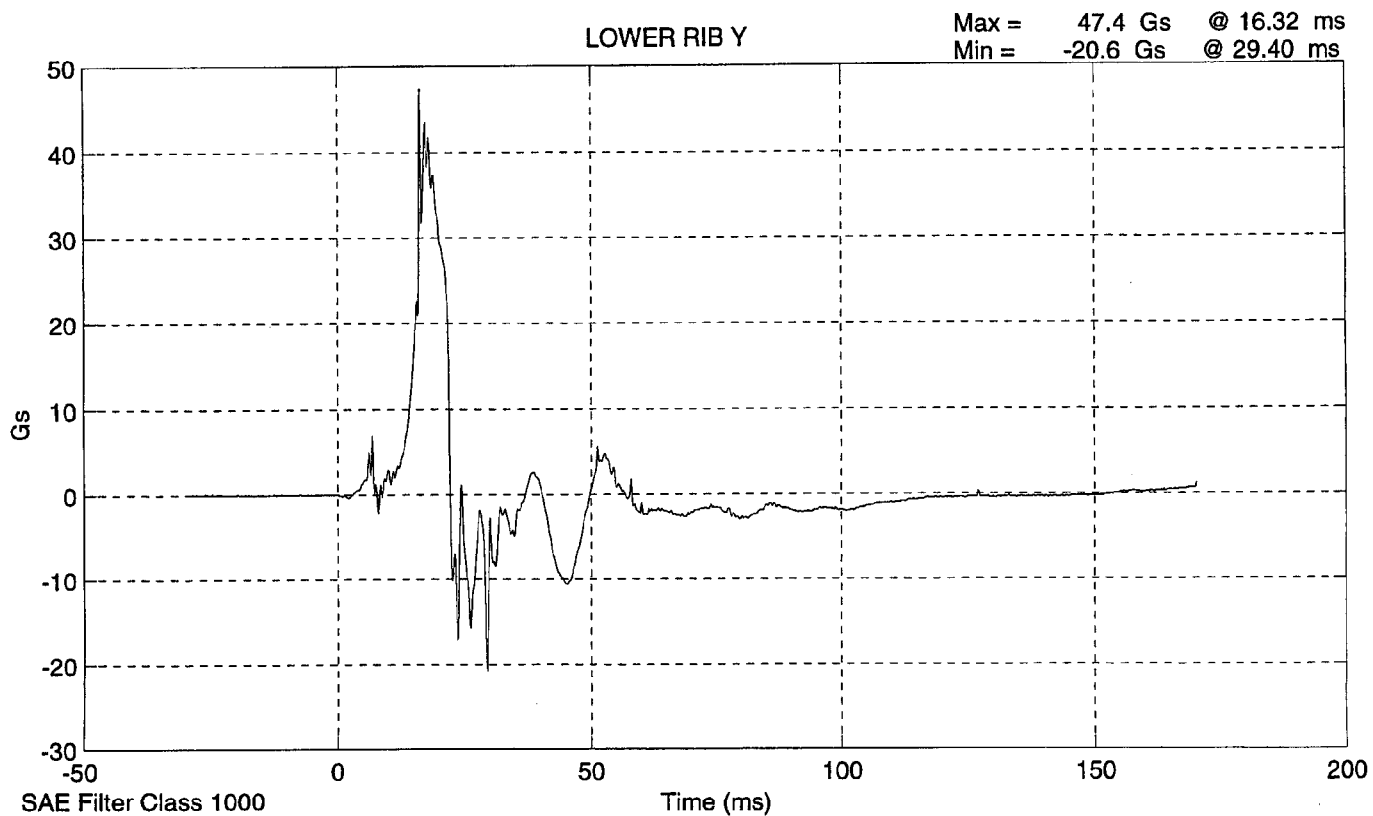
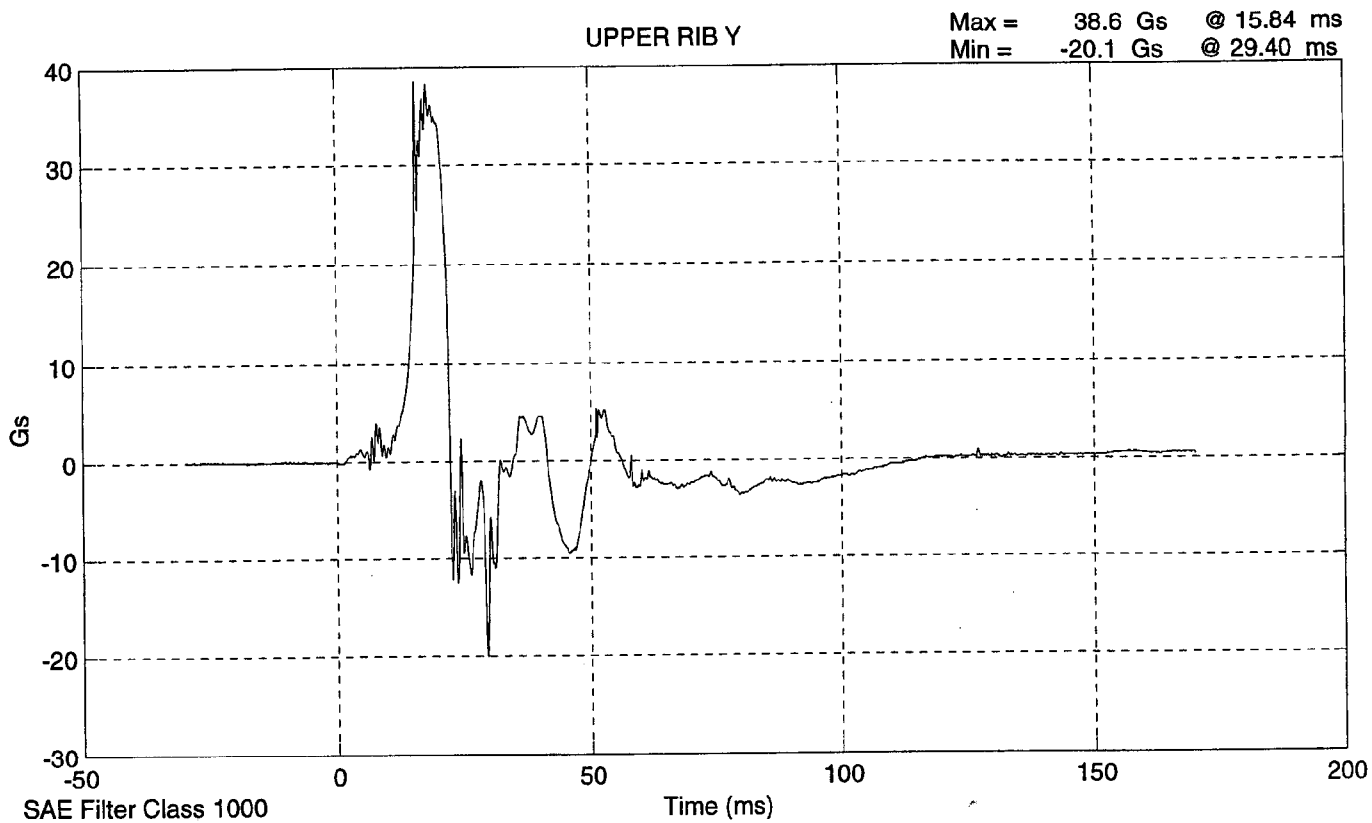
**LATERAL THORAX IMPACT TEST
PRE-TEST**

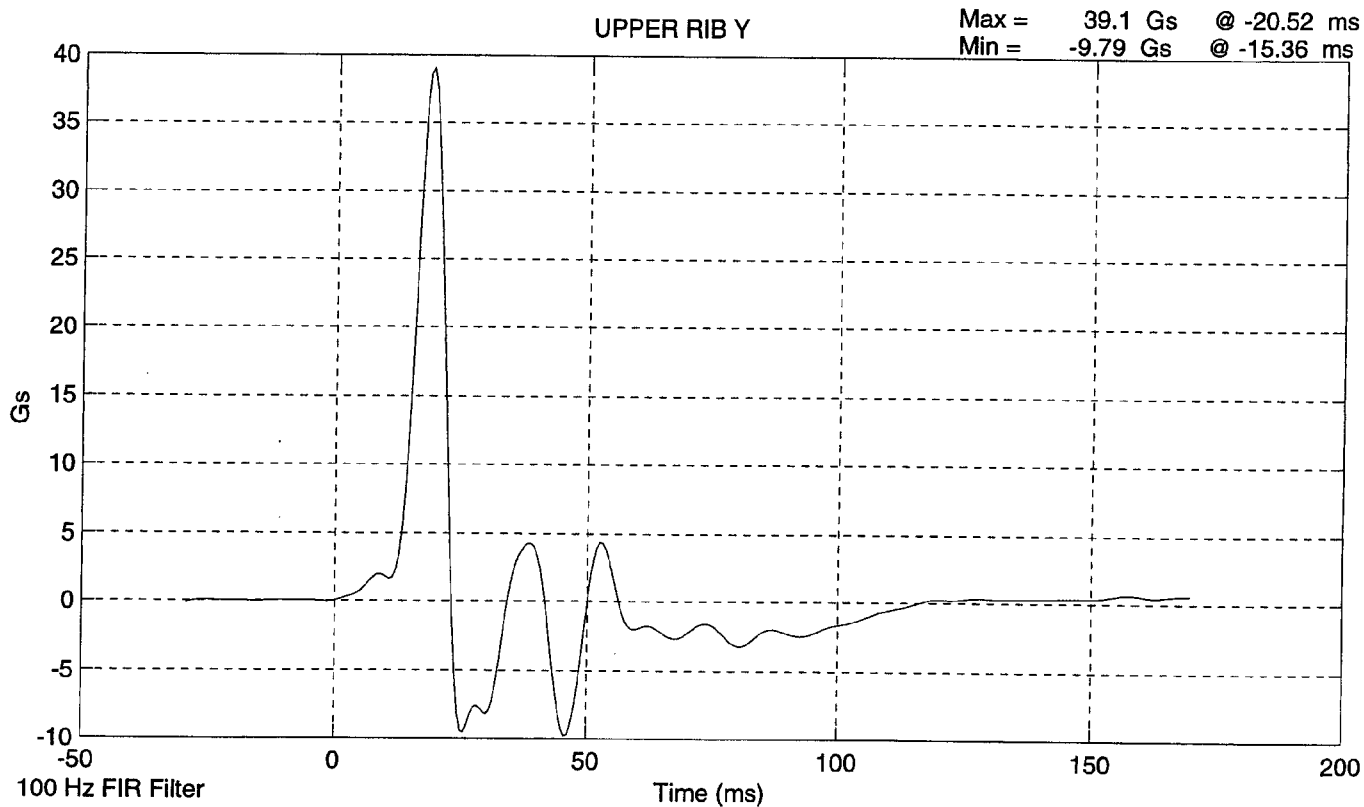
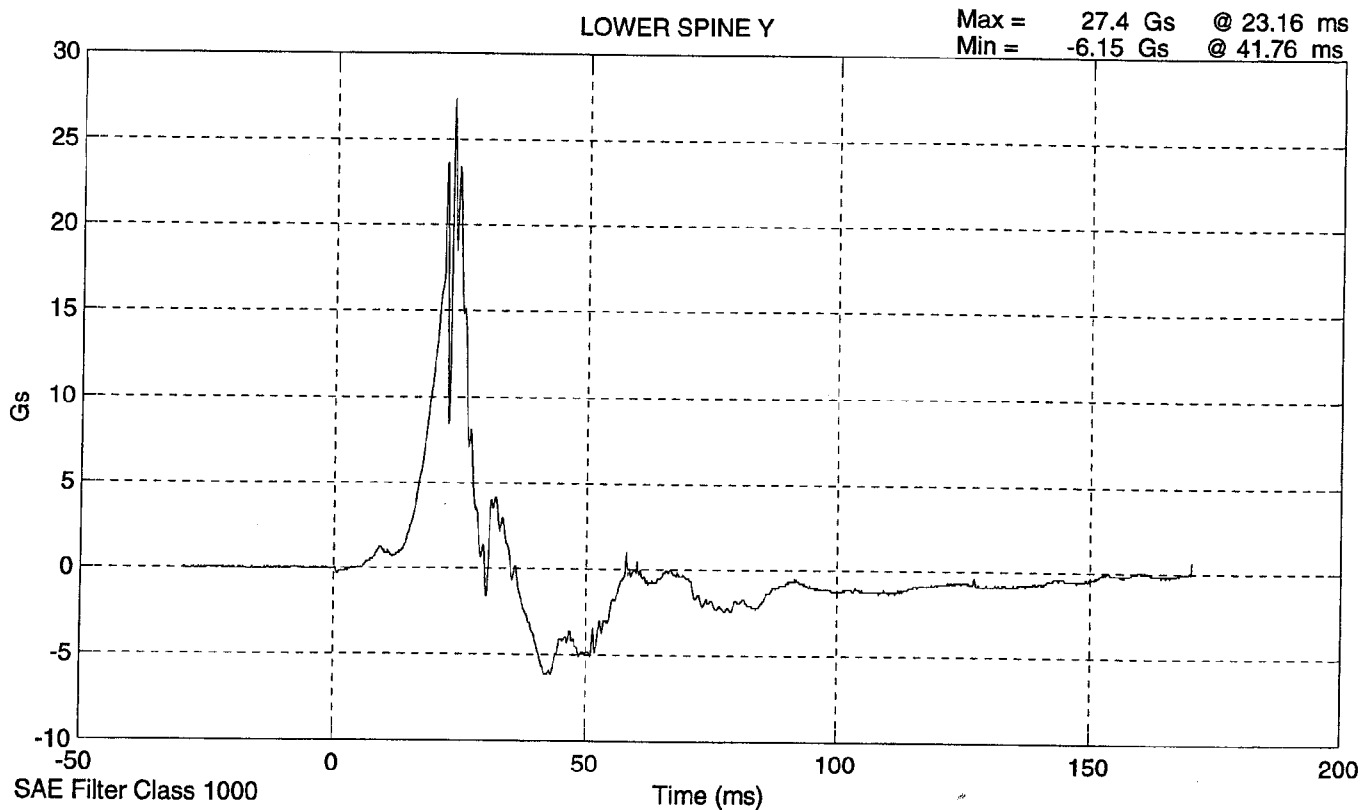
CONFIGURED FOR LEFT SIDE IMPACT

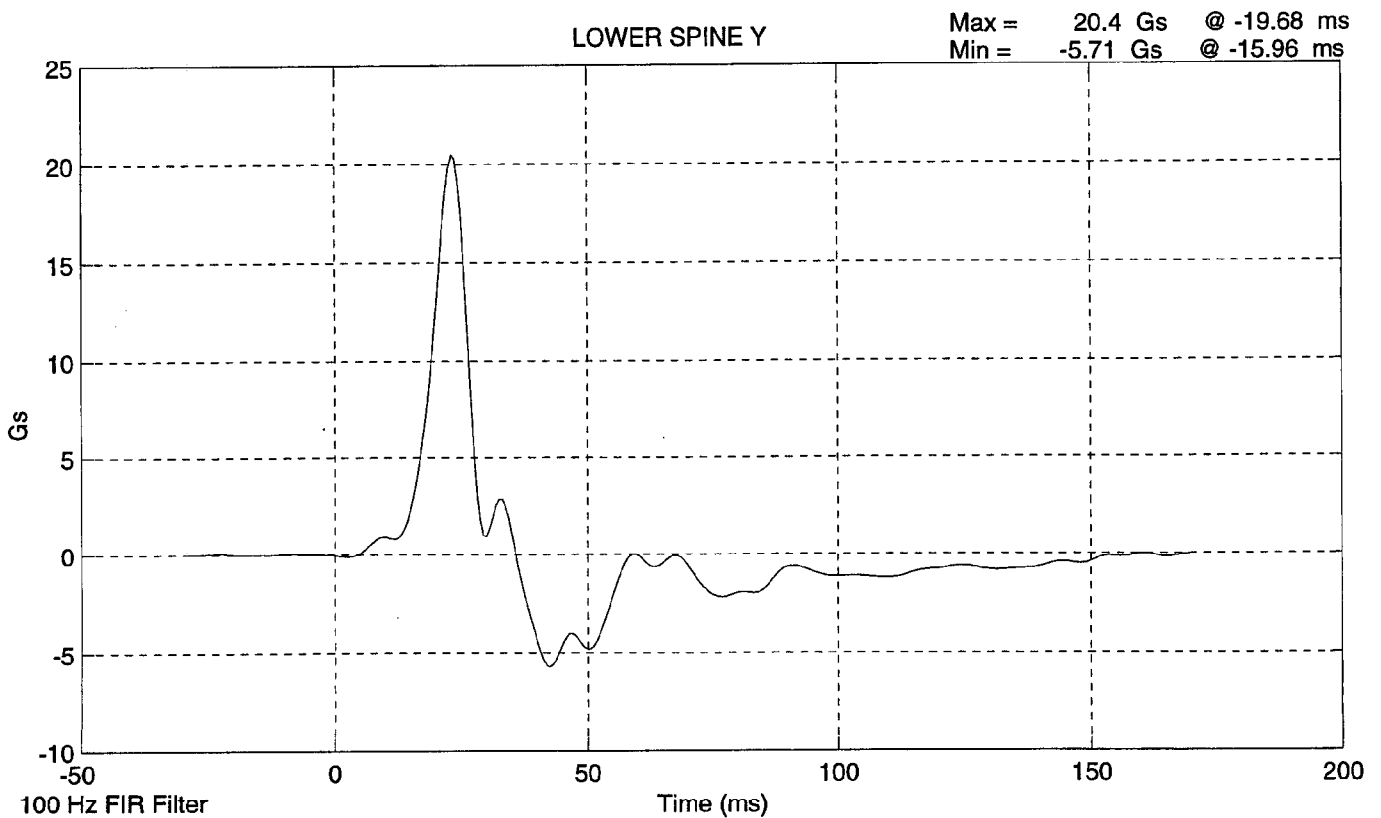
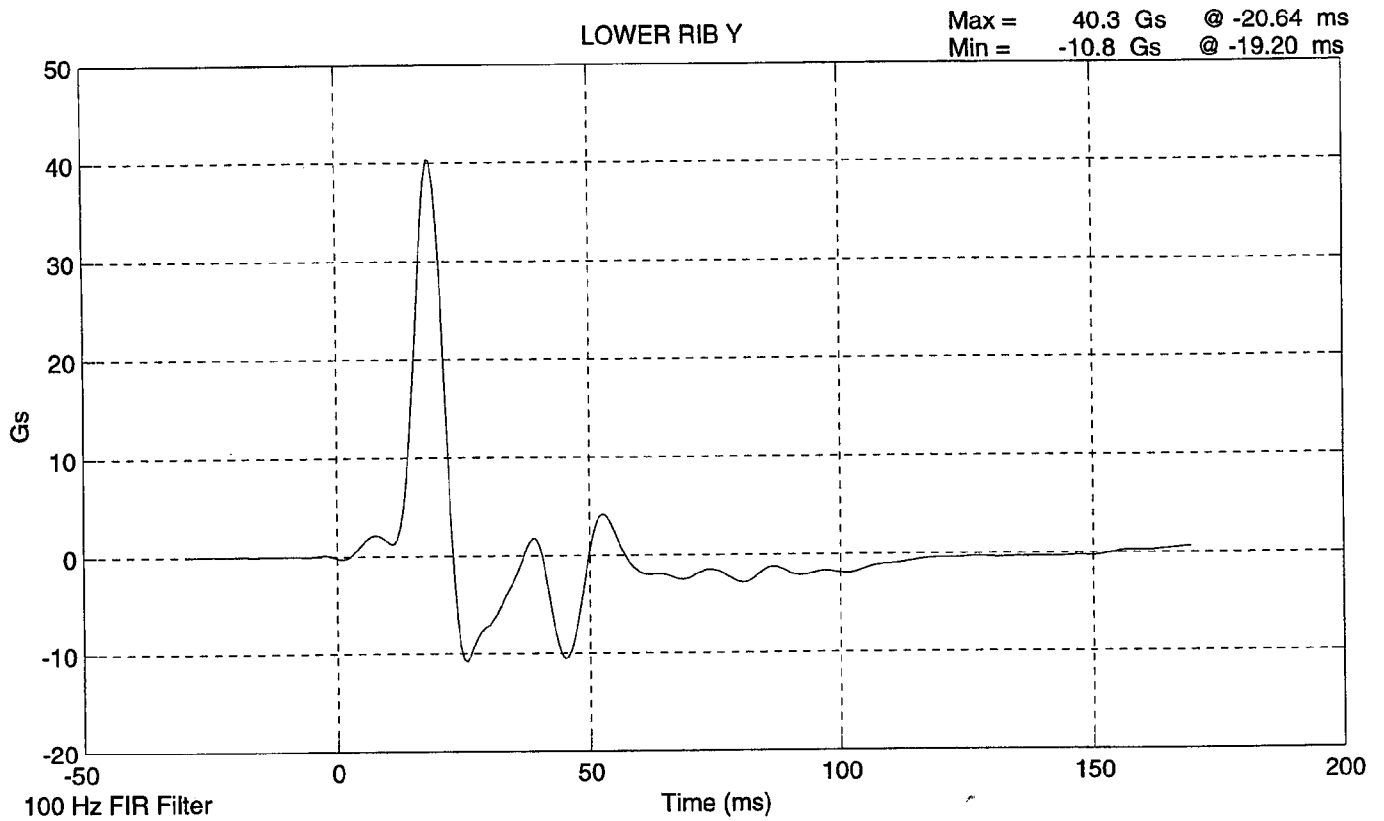
SID Serial No.: 268 Sequential Test Number: 2
Date: September 16, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	32
PROBE SPEED (m/s)	4.27 - 4.33	4.27
UPPER RIB (g's)	37 - 46	39
LOWER RIB (g's)	37 - 46	40
LOWER SPINE (g's)	15 - 22	20

REMARKS: None







**LATERAL PELVIS IMPACT TEST
PRE-TEST**

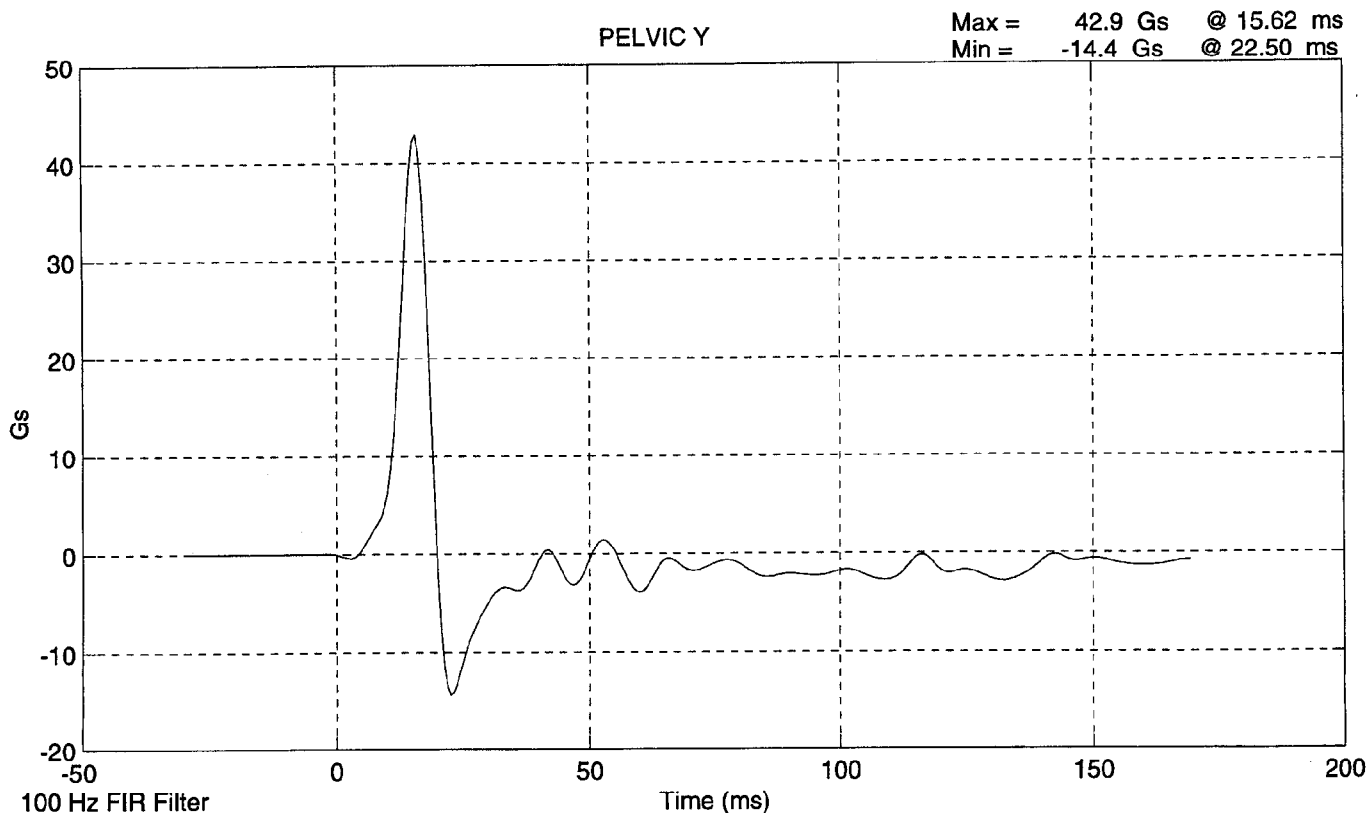
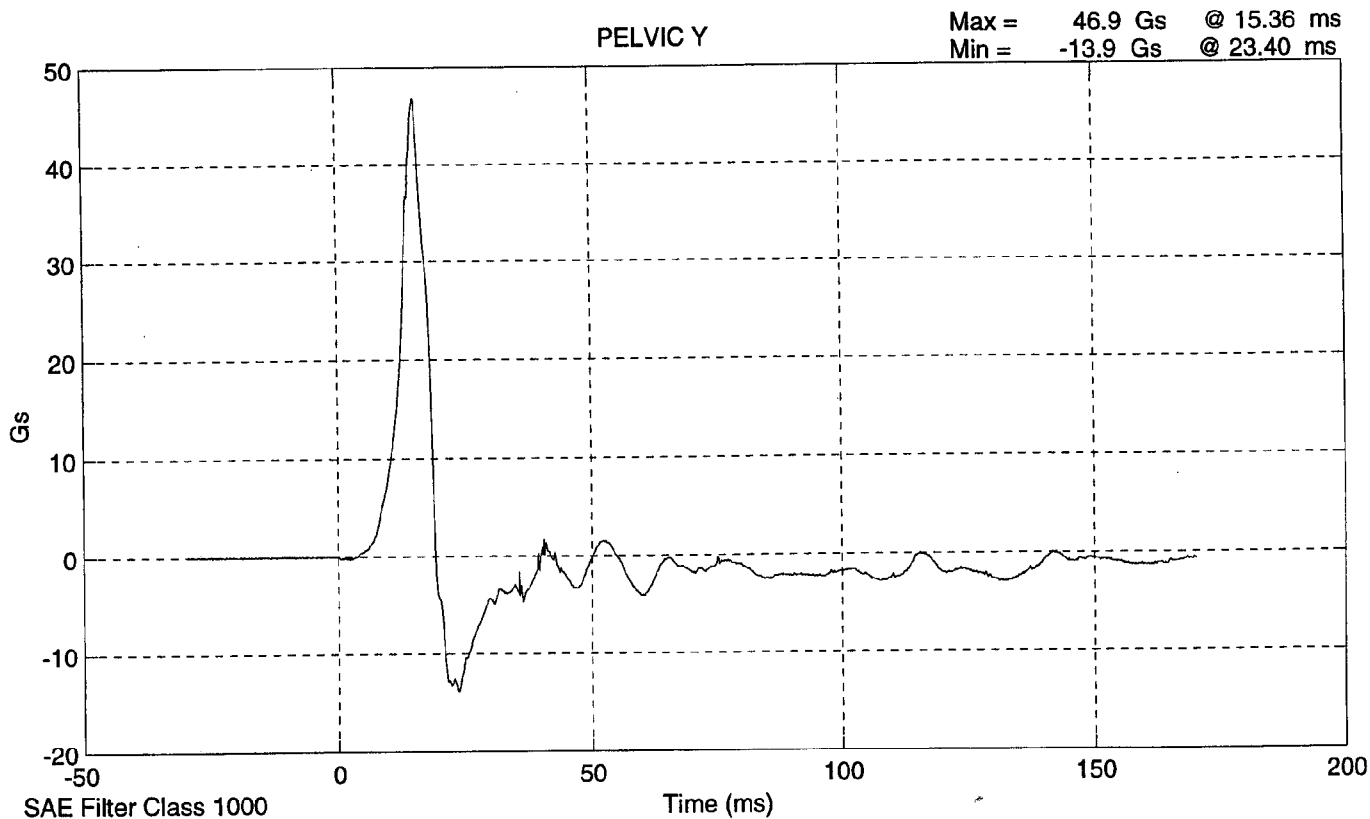
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268 Sequential Test Number: 2
Date: September 16, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	32
PROBE SPEED (m/s)	4.27 - 4.33	4.28
PELVIS ACCELERATION (g's)	40 - 60	43

REMARKS: None

SID 268 Pelvic Impact Test @ 4.2794 m/s



ABDOMINAL COMPRESSION TEST**PRE-TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268 Sequential Test Number: 2
Date: September 17, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	31
FORCE @ 13 mm (N)	104 - 162	134
FORCE @ 19 mm (N)	163 - 221	191
FORCE @ 25 mm (N)	222 - 280	254
FORCE @ 33 mm (N)	325 - 391	361

REMARKS: None

Dummy S/N 268

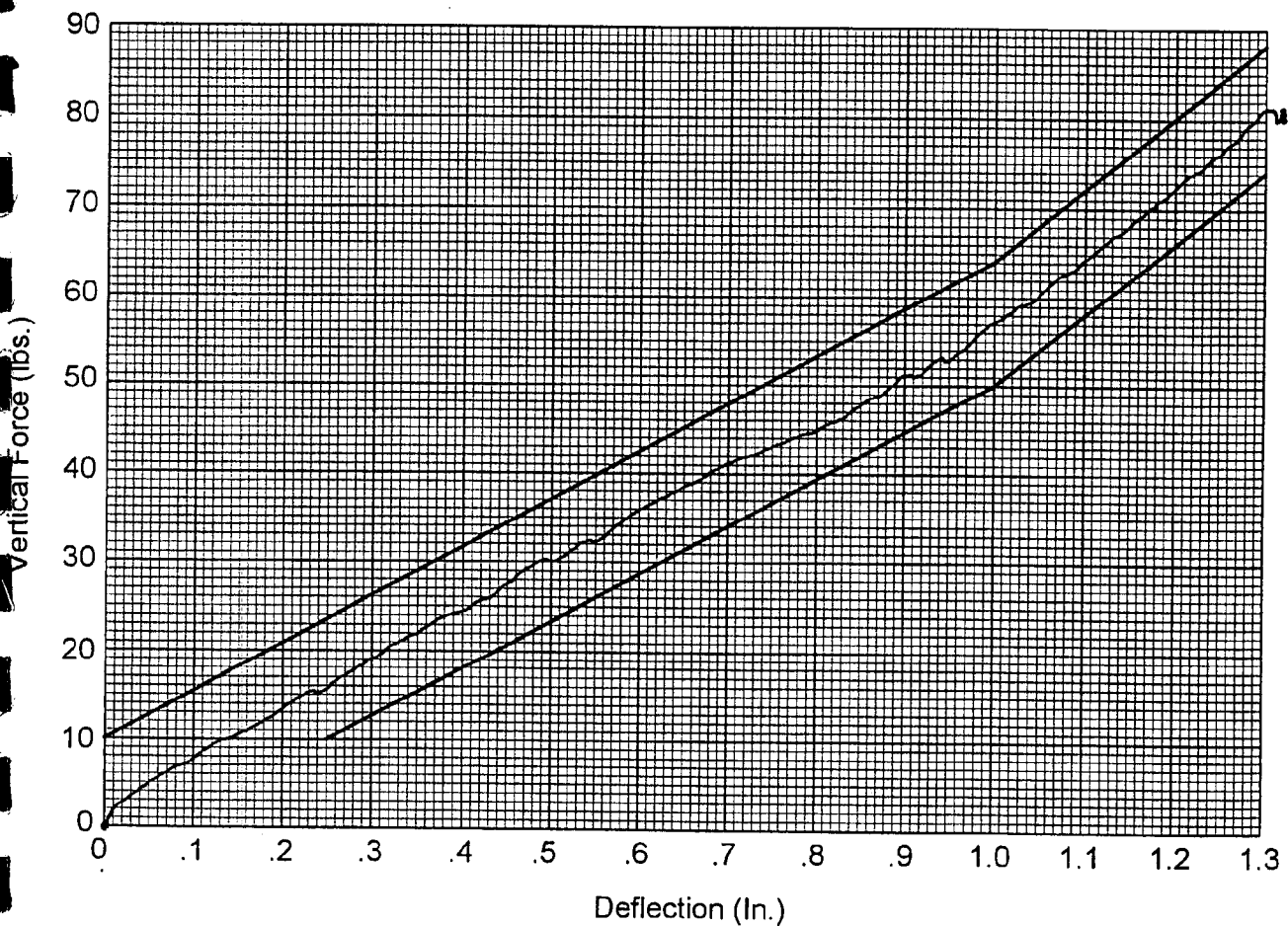
W/A _____

Date 9-17-99

Performed By BJ

Temp. 71

Humidity 31 %



Hybrid II
Abdomen Static Press

LUMBAR FLEXION TEST
PRE-TEST
(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268 Sequential Test Number: 2
Date: September 17, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	31
FORCE @ 0° (N)	0 - 26.7	0
FORCE @ 20° (N)	97.8 - 151.2	121
FORCE @ 30° (N)	151.2 - 204.6	173
FORCE @ 40° (N)	204.6 - 258	225
RETURN ANGLE	12° max.	11.0

REMARKS: None

Dummy S/N

268

W/A

Date

9-17-99

Performed By

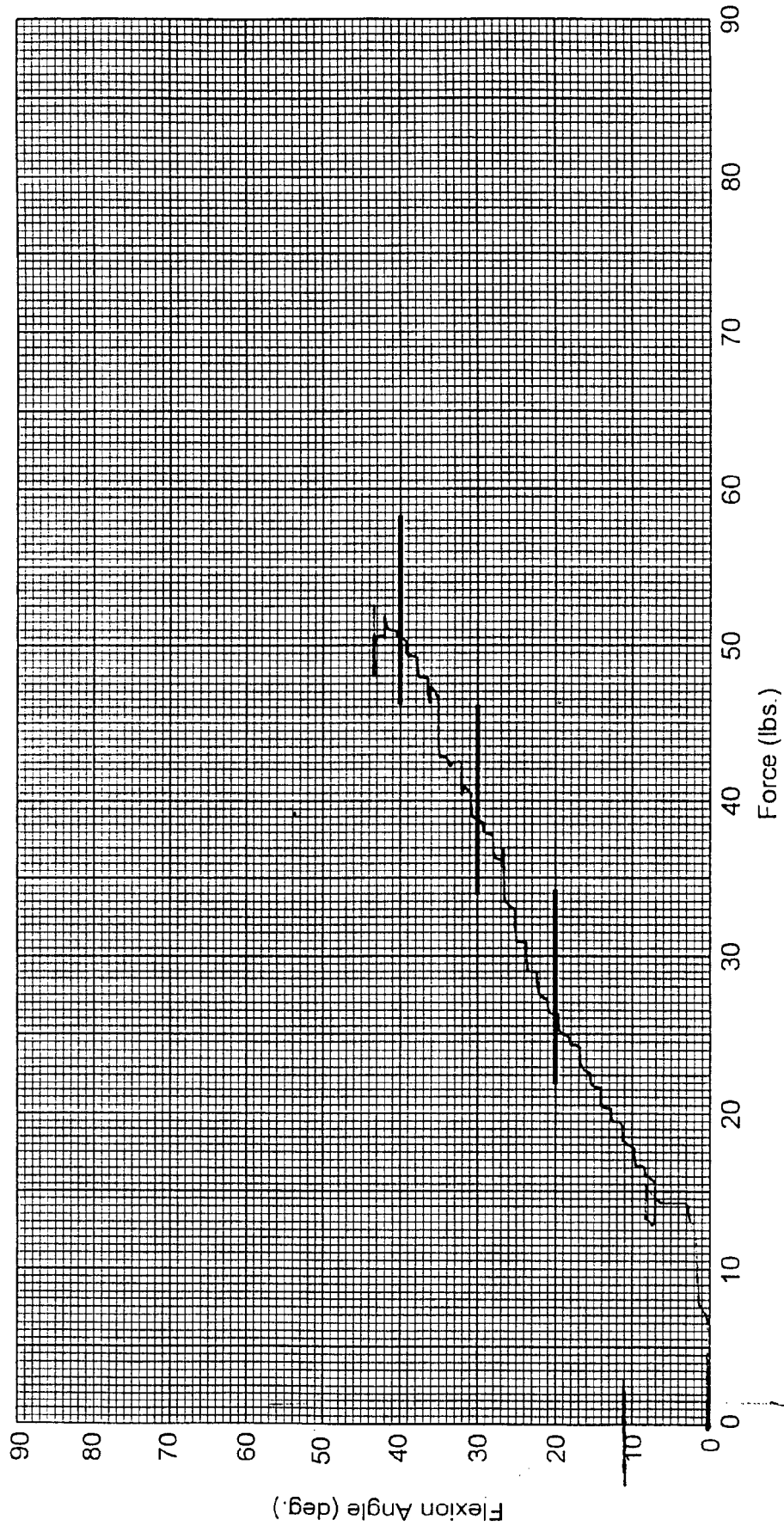
[Signature]

Temp.

71

Humidity

31%



Hybrid II Lumbar Spine Flexion Test

PRE-TEST DUMMY INSPECTION LIST

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268

Sequential Test Number: 2

Date: September 16, 1999

Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	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	NONE	-

REMARKS: None

**CALIBRATION TEST RESULTS
POST TEST**

SID NO.: 015

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 3
Date: October 11, 1999 Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 3
Date: October 11, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	904
RH- Rib Height (mm)	502 - 520	511
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	236
KH- Knee Pivot from Back Line (mm)	511 - 526	521
KV- Knee Pivot to Floor (mm)	490 - 505	493
HW- Hip Width (mm)	356 - 391	370

REMARKS: None

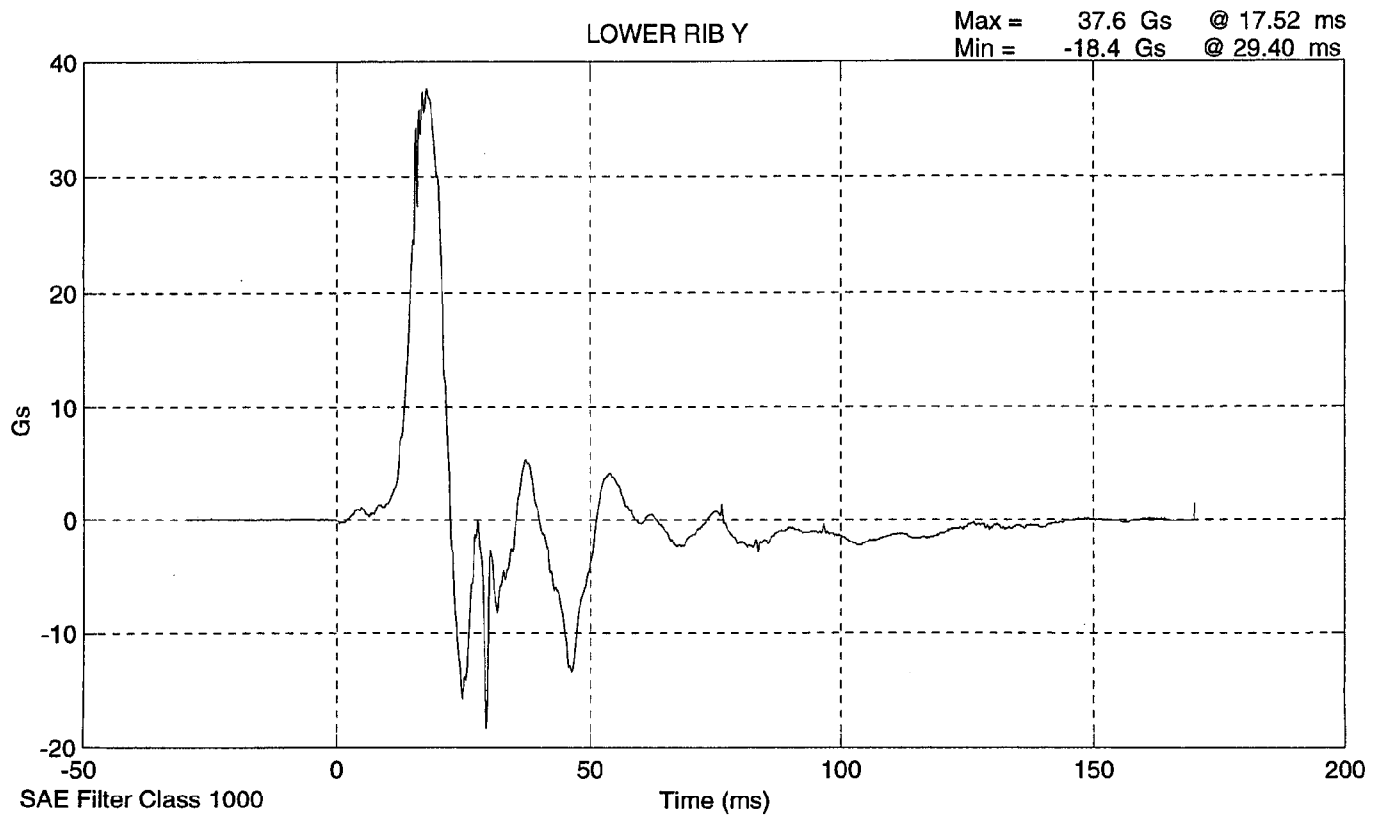
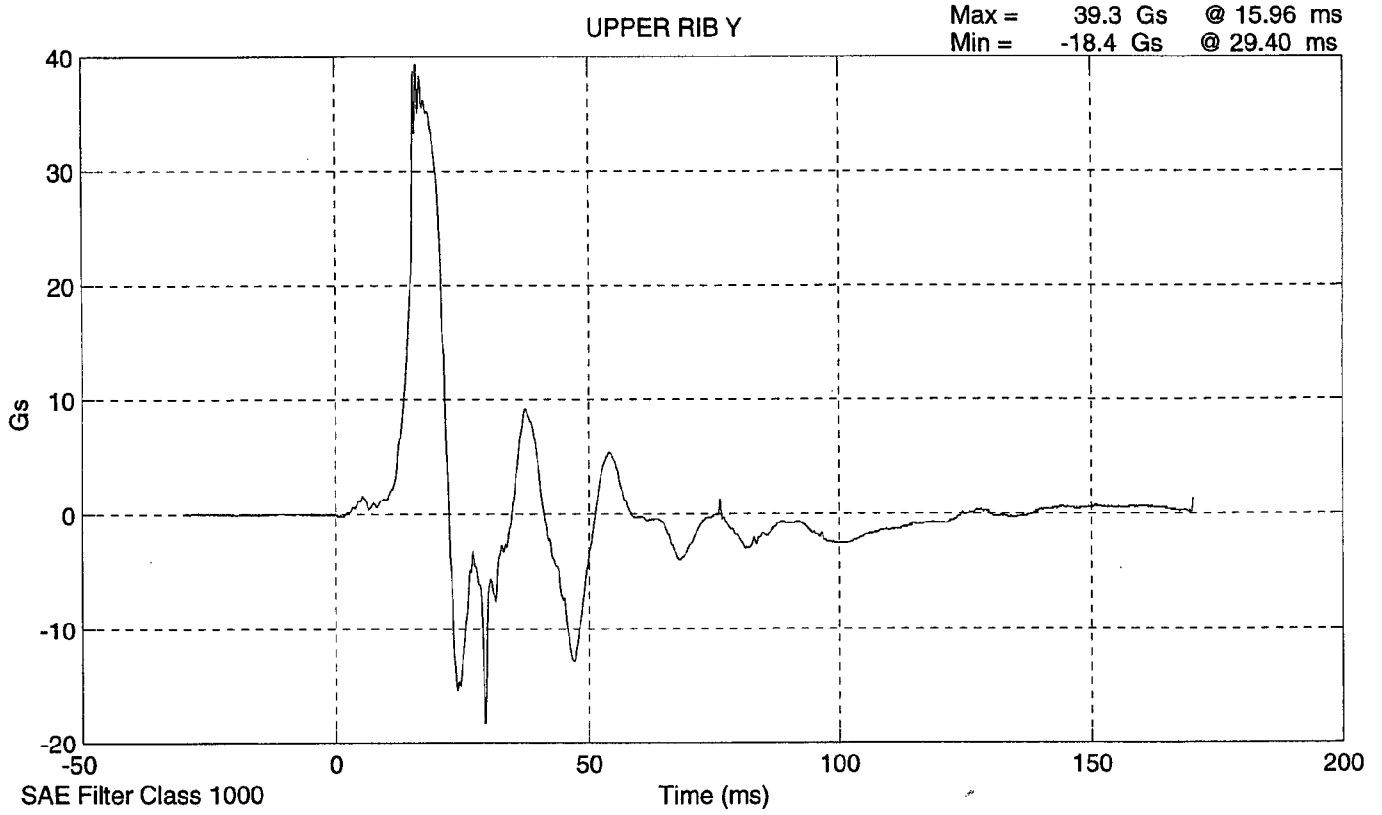
**LATERAL THORAX IMPACT TEST
POST TEST**

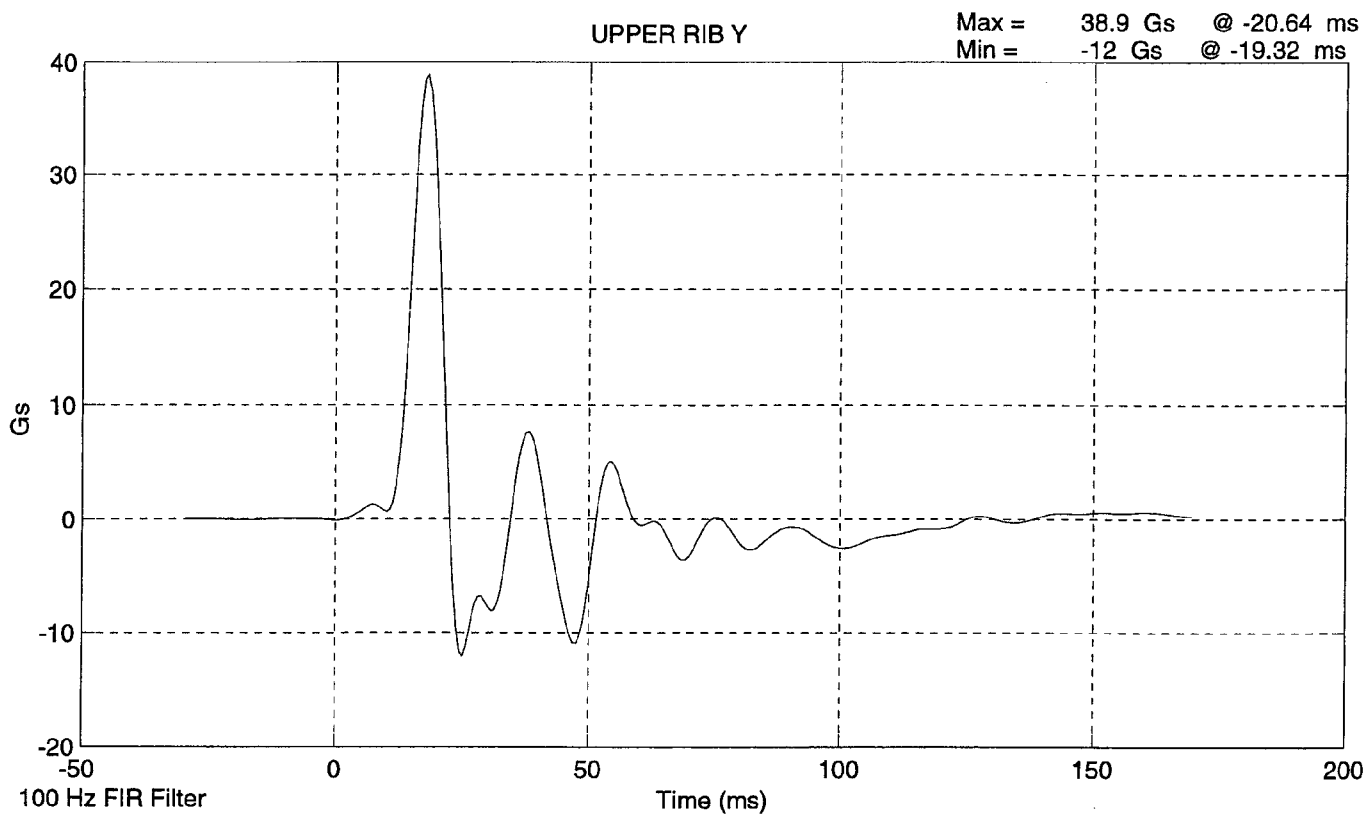
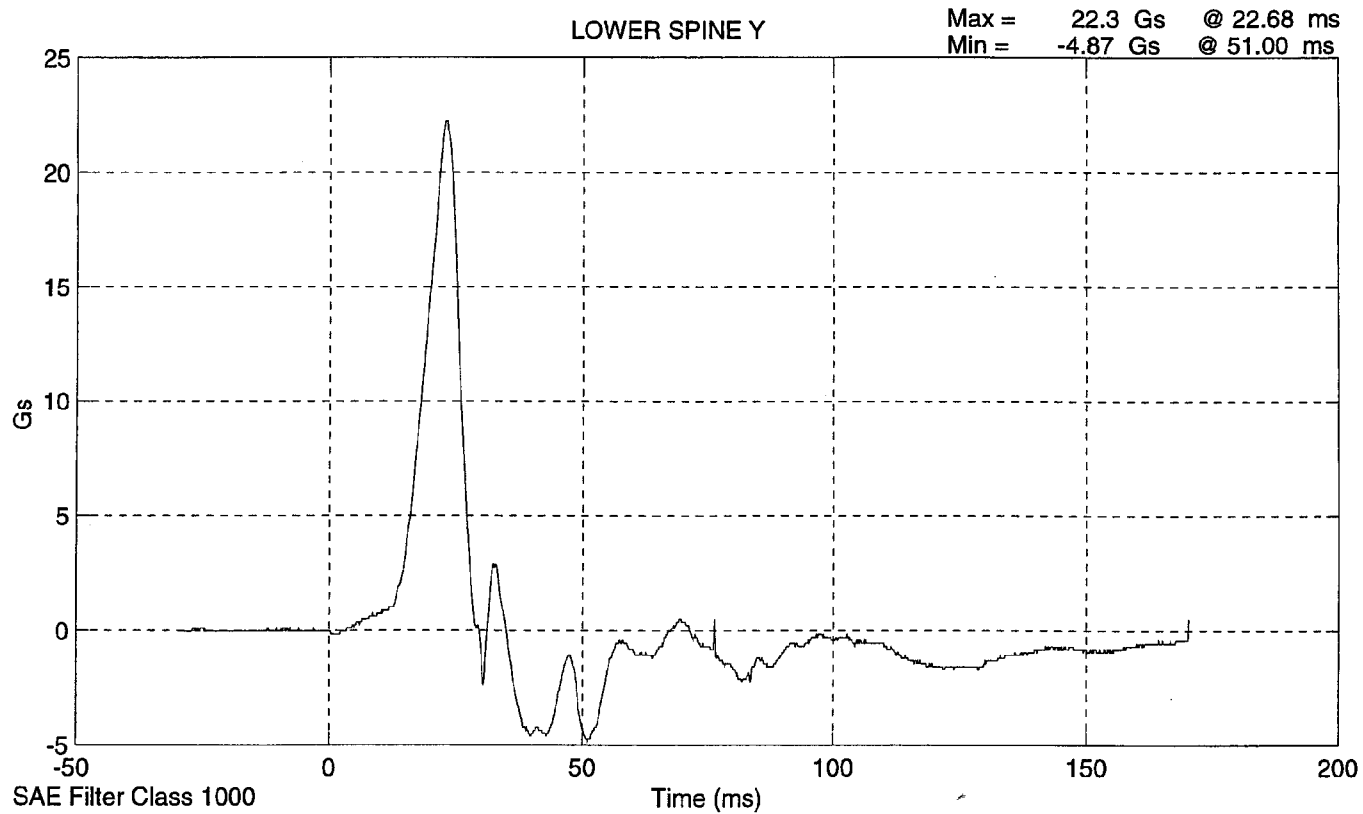
CONFIGURED FOR LEFT SIDE IMPACT

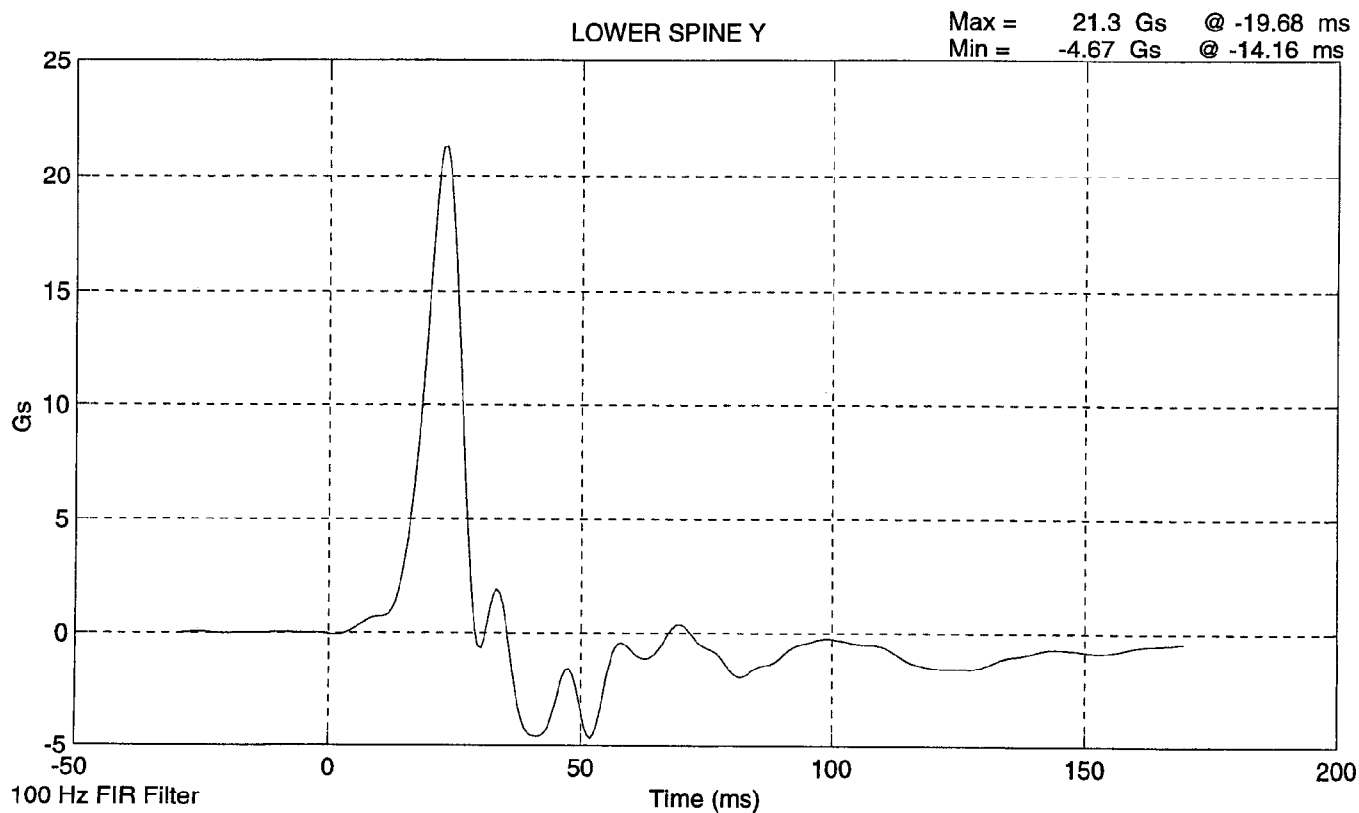
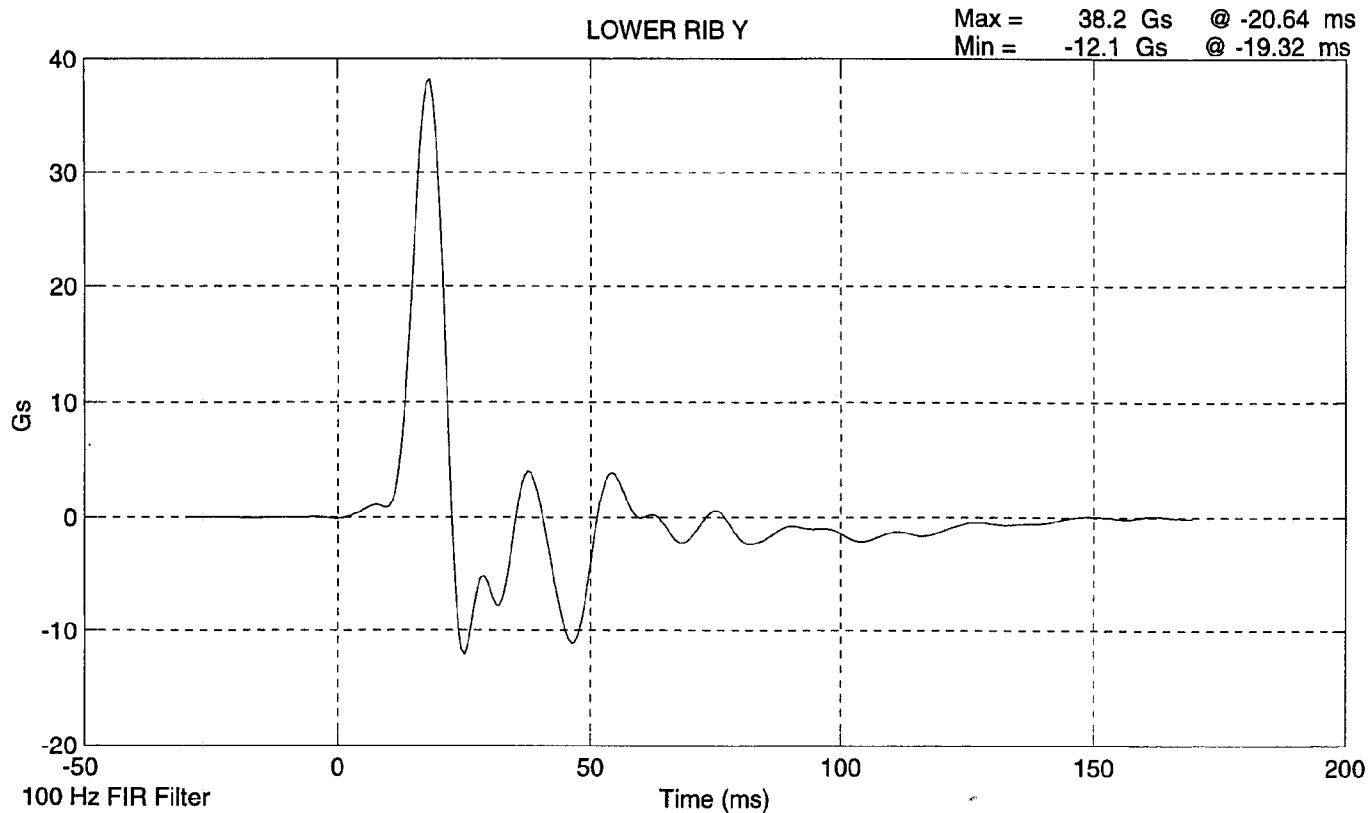
SID Serial No.: 015 Sequential Test Number: 3
Date: October 11, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	32
PROBE SPEED (m/s)	4.27 - 4.33	4.30
UPPER RIB (g's)	37 - 46	38.9
LOWER RIB (g's)	37 - 46	38.2
LOWER SPINE (g's)	15 - 22	21.3

REMARKS: None







**LATERAL PELVIS IMPACT TEST
POST TEST**

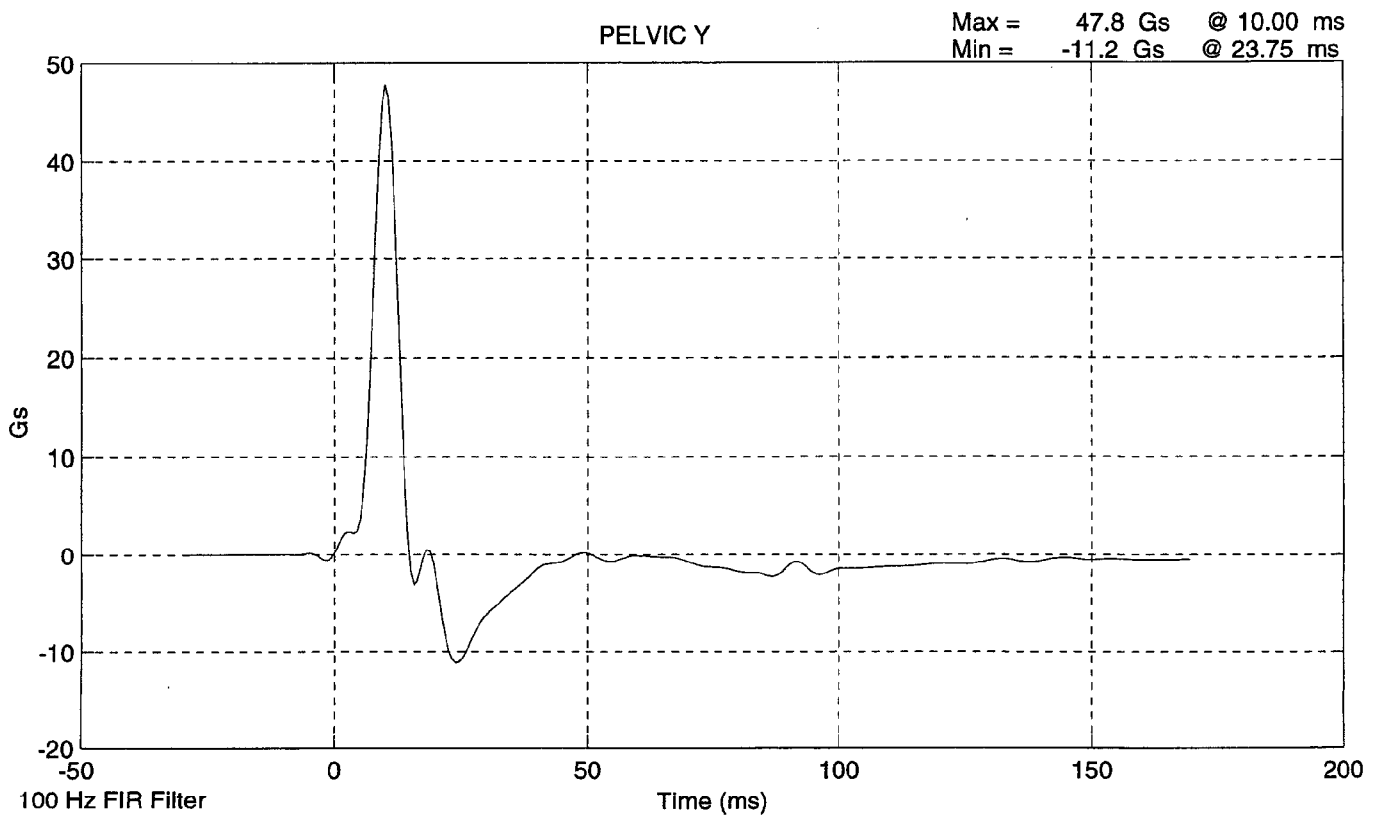
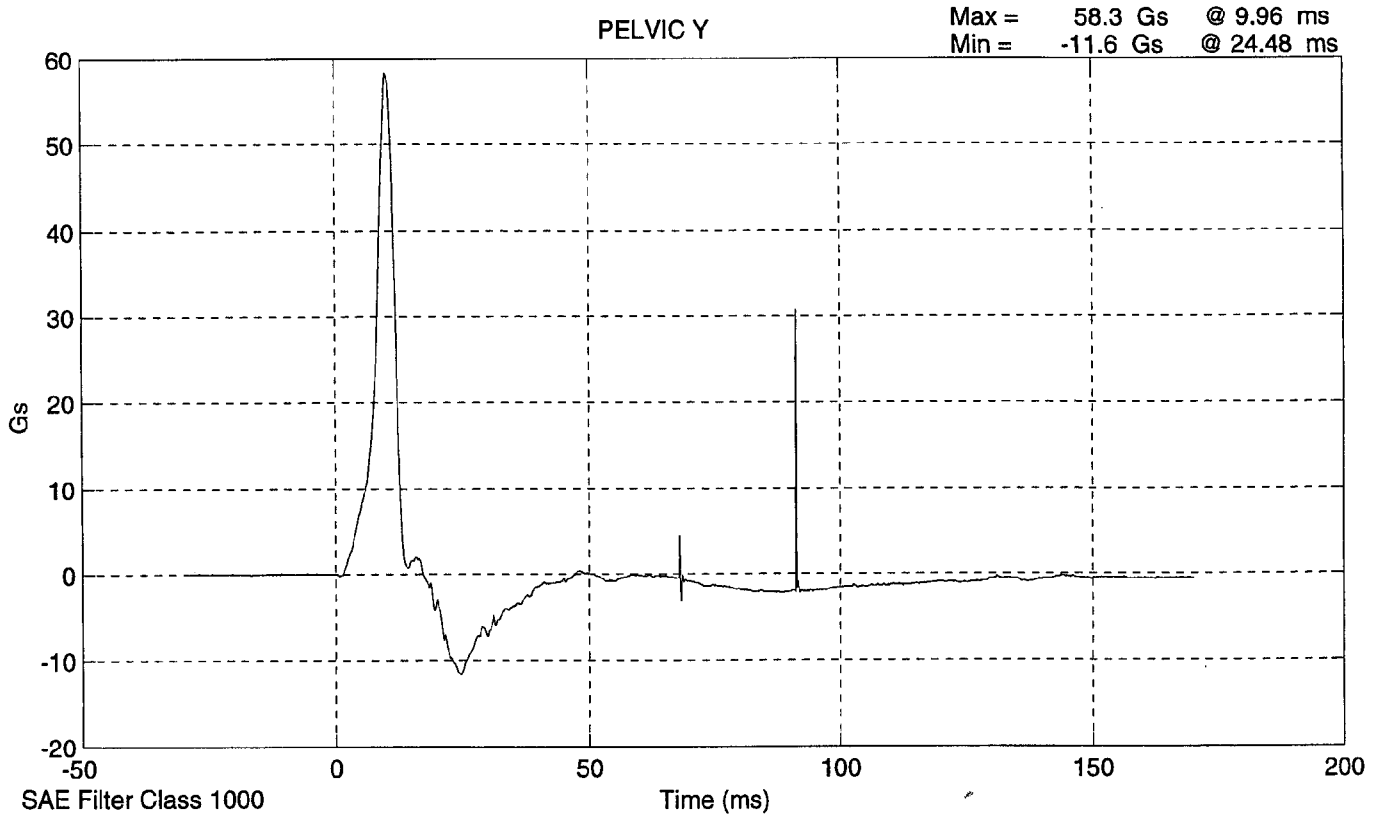
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 3
Date: October 11, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	32
PROBE SPEED (m/s)	4.27 - 4.33	4.29
PELVIS ACCELERATION (g's)	40 - 60	47.8

REMARKS: None

SID 015 Pelvic Impact Test @ 4.2885 m/s



**ABDOMINAL COMPRESSION TEST
POST TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 3
Date: October 6, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	32
FORCE @ 13 mm (N)	104 - 162	129.0
FORCE @ 19 mm (N)	163 - 221	187.7
FORCE @ 25 mm (N)	222 - 280	248.7
FORCE @ 33 mm (N)	325 - 391	344.7

REMARKS: None

COPY

Dummy S/N 015

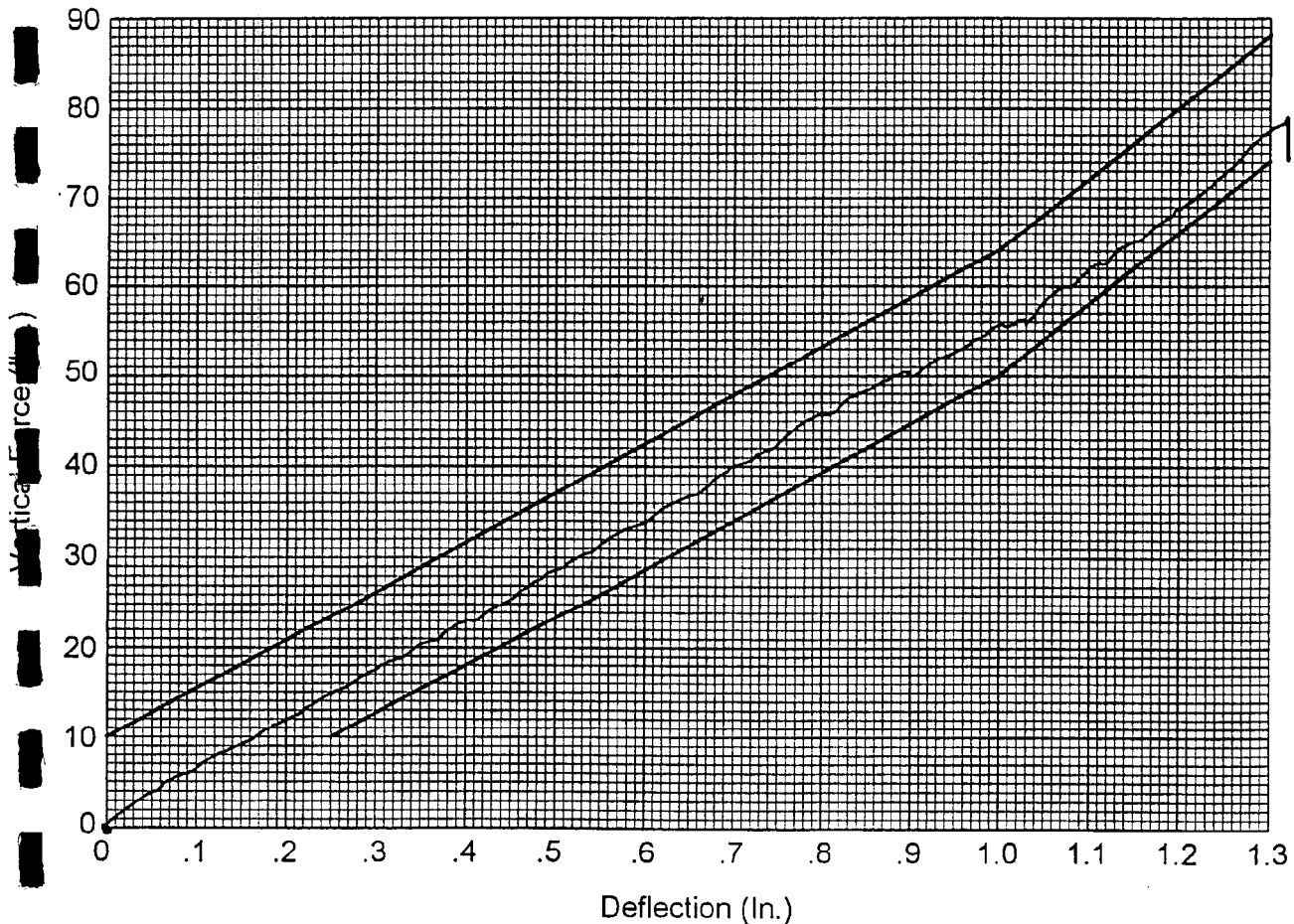
W/A _____

Date 10-6-99

Performed By PS

Temp. 71°

Humidity 32%



Hybrid II
Abdomen Static Press

LUMBAR FLEXION TEST
POST TEST
(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 3
Date: October 6, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	32
FORCE @ 0° (N)	0 - 26.7	0
FORCE @ 20° (N)	97.8 - 151.2	126.3
FORCE @ 30° (N)	151.2 - 204.6	177.9
FORCE @ 40° (N)	204.6 - 258	237.9
RETURN ANGLE	12° max.	6.0

REMARKS: None

COPY

015

Unit: N

V/A

10-6-99

Date

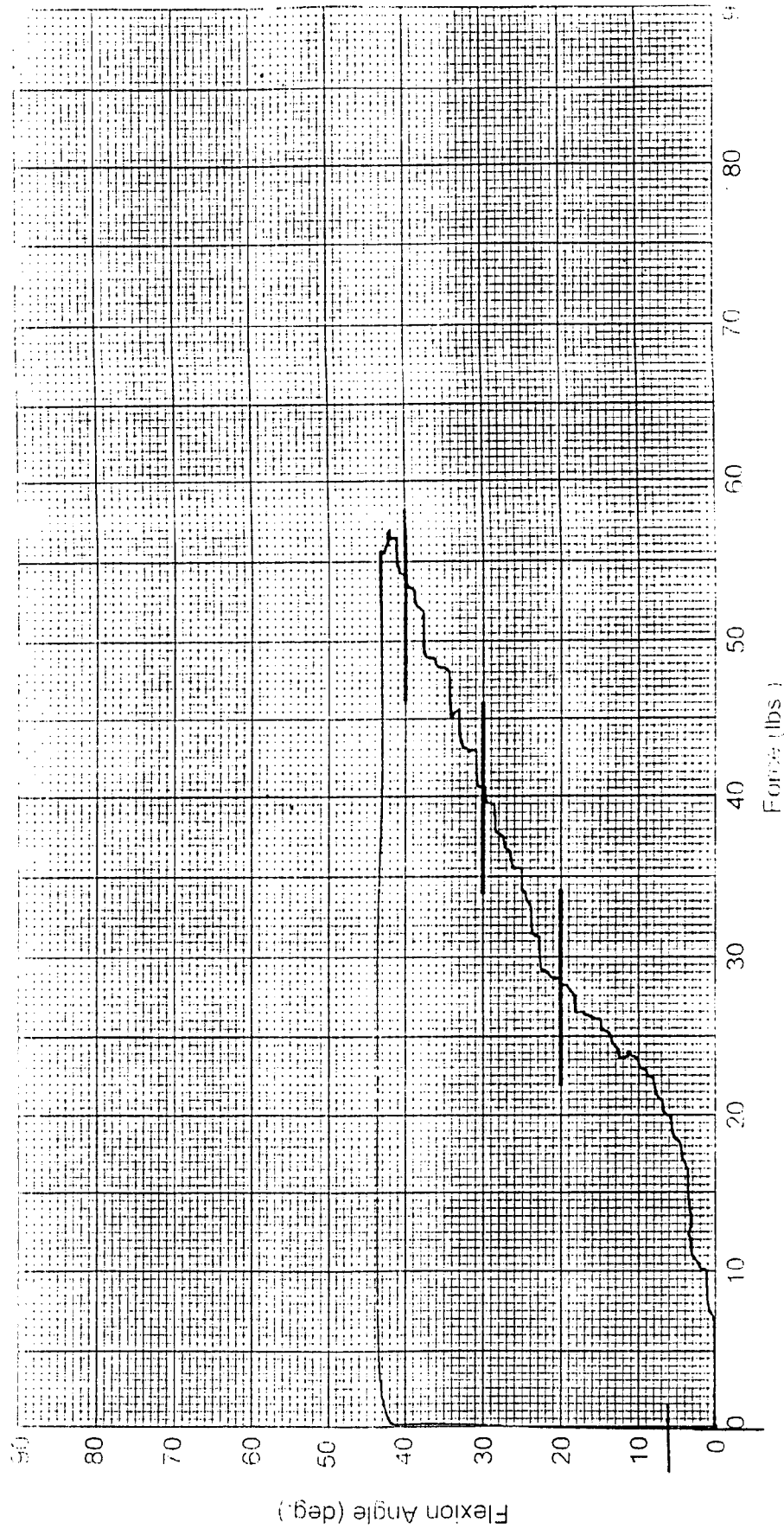
Performed By

71

Temp.

33%

Humidity



Hybrid II Lumbar Spine Flexion Test

FM 052 CEPT 001-1006

POST TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 3
Date: October 11, 1999 Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	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	NONE	-

REMARKS: None

**CALIBRATION TEST RESULTS
POST TEST**

SID NO.: 268

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268 Sequential Test Number: 3
Date: October 11, 1999 Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268 Sequential Test Number: 3
Date: October 11, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	899
RH- Rib Height (mm)	502 - 520	513
HP- Hip Pivot Height (mm)	99 rcf.	99
RD- Rib from Back Line (mm)	229 - 241	234
KH- Knee Pivot from Back Line (mm)	511 - 526	518
KV- Knee Pivot to Floor (mm)	490 - 505	495
HW- Hip Width (mm)	356 - 391	375

REMARKS: None

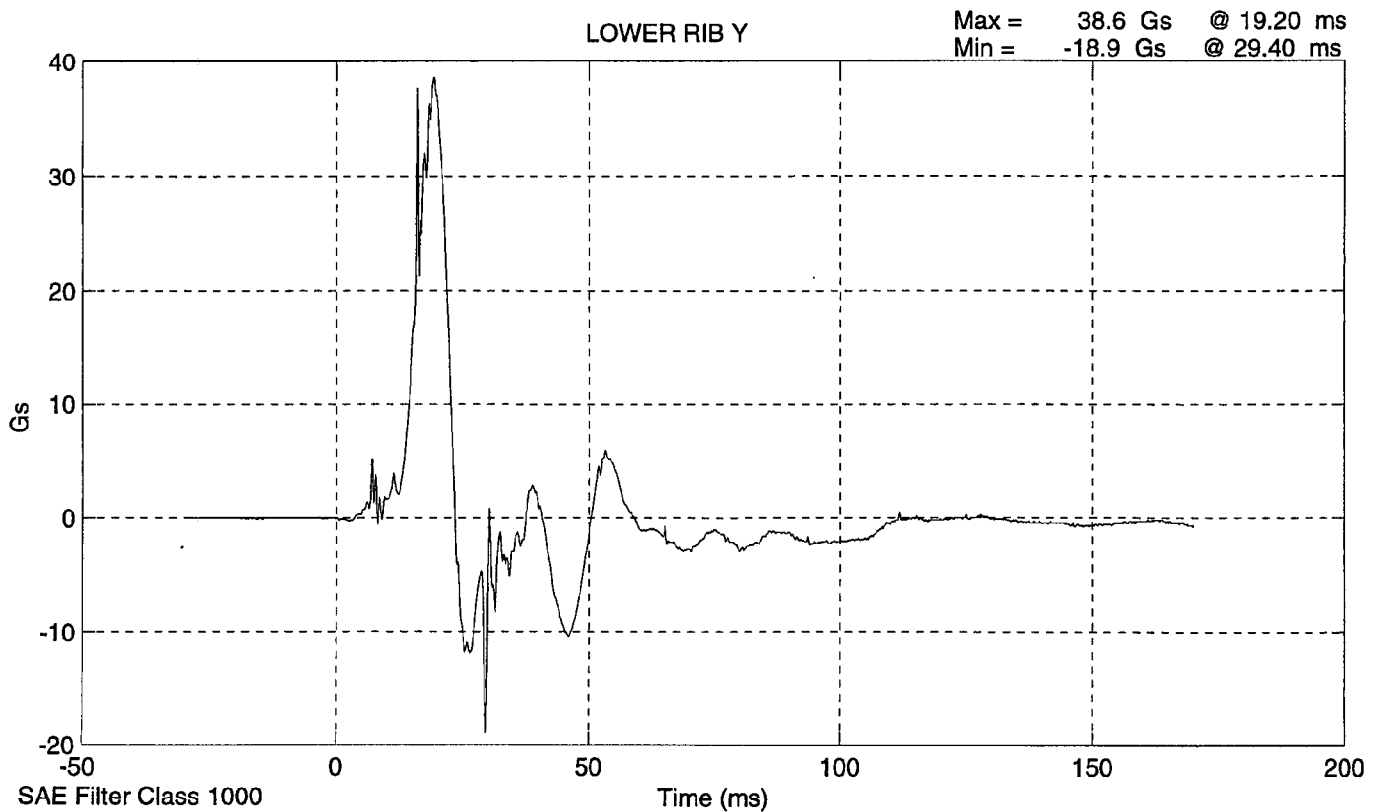
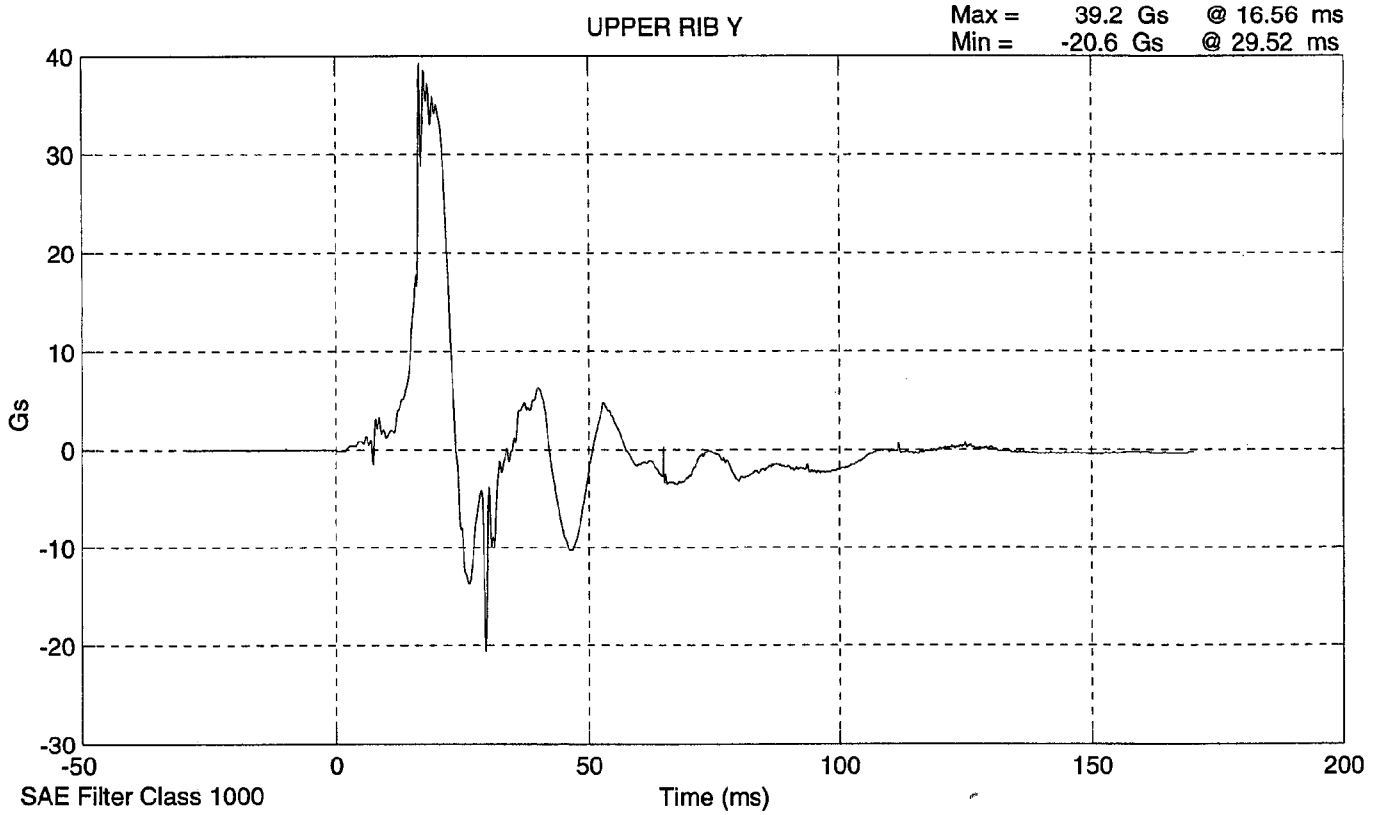
**LATERAL THORAX IMPACT TEST
POST TEST**

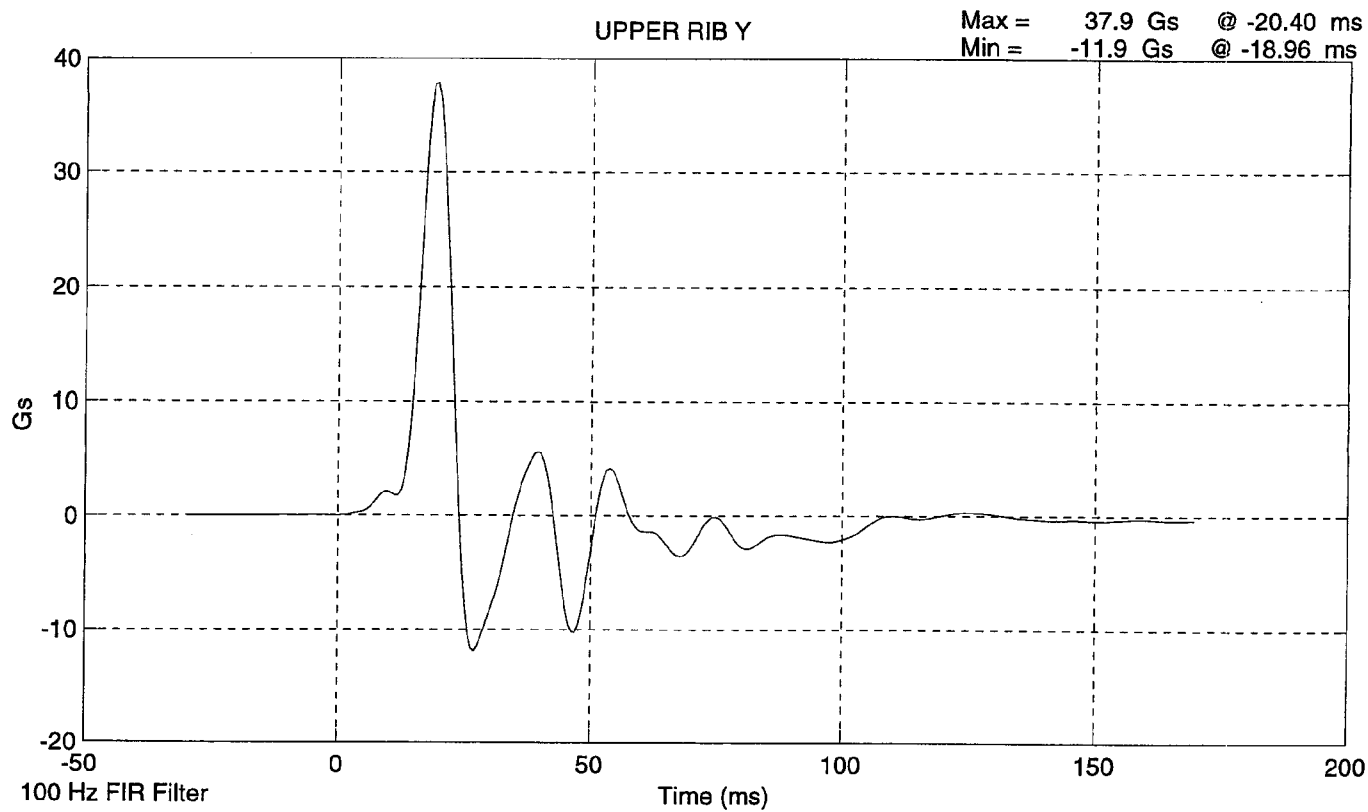
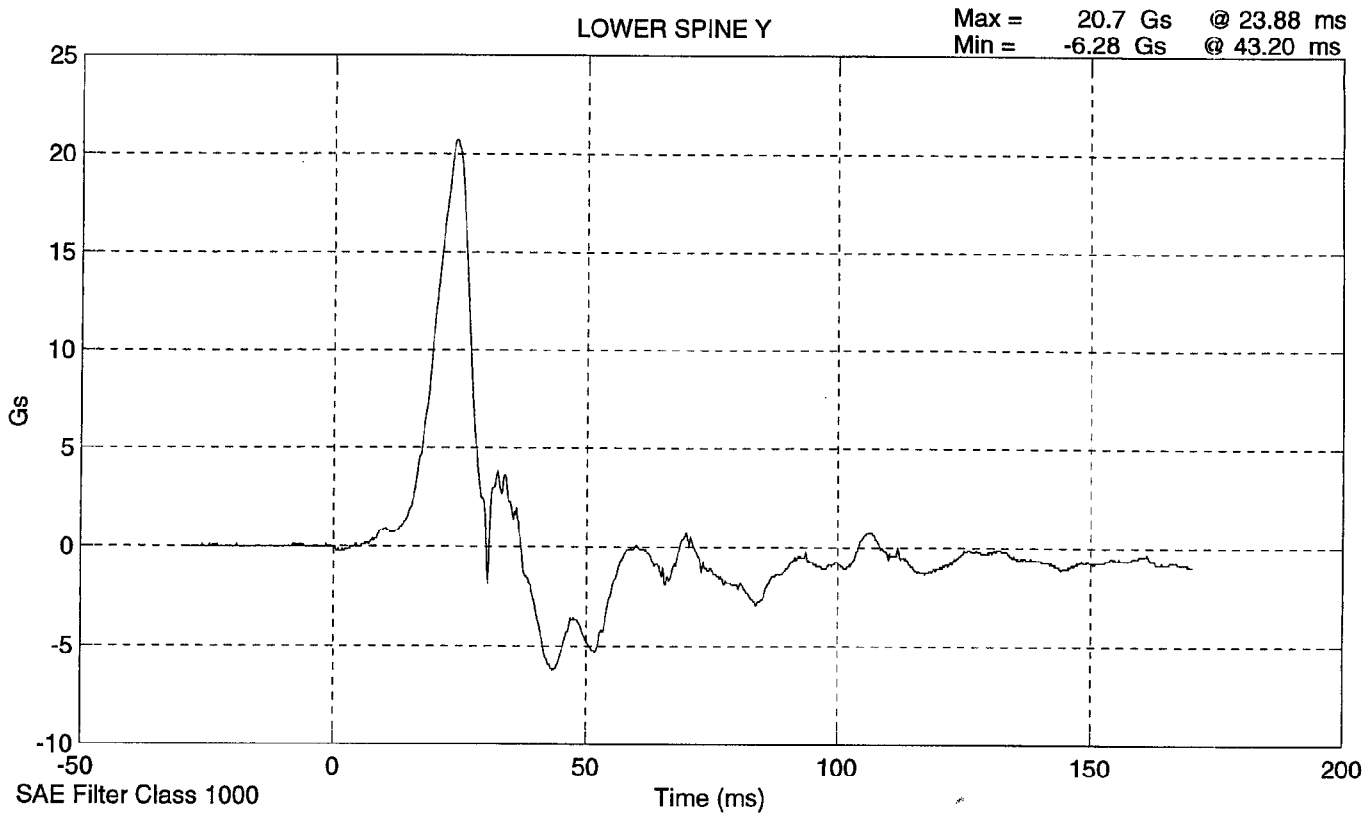
CONFIGURED FOR LEFT SIDE IMPACT

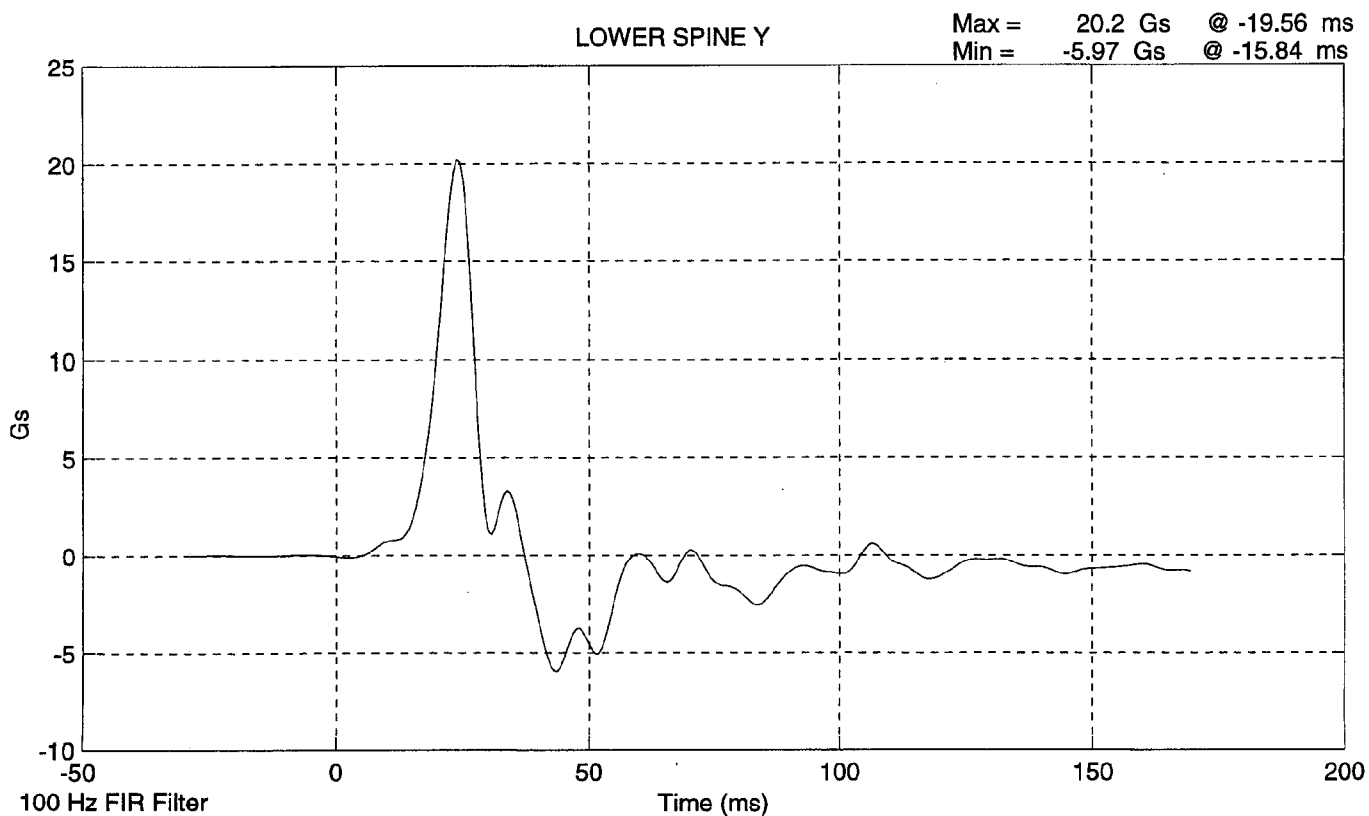
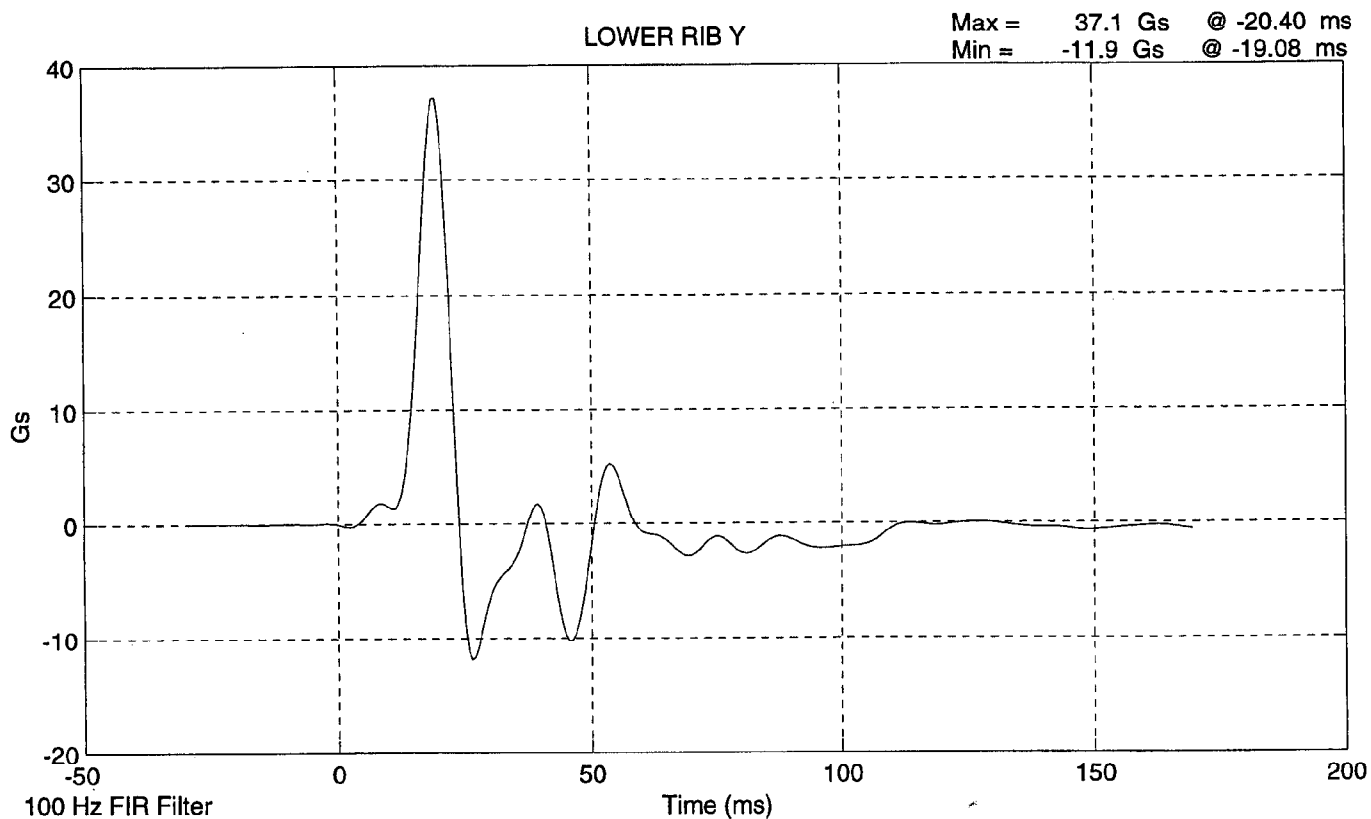
SID Serial No.: 268 Sequential Test Number: 3
Date: October 11, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	32
PROBE SPEED (m/s)	4.27 - 4.33	4.32
UPPER RIB (g's)	37 - 46	37.9
LOWER RIB (g's)	37 - 46	37.1
LOWER SPINE (g's)	15 - 22	20.2

REMARKS: None







**LATERAL PELVIS IMPACT TEST
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

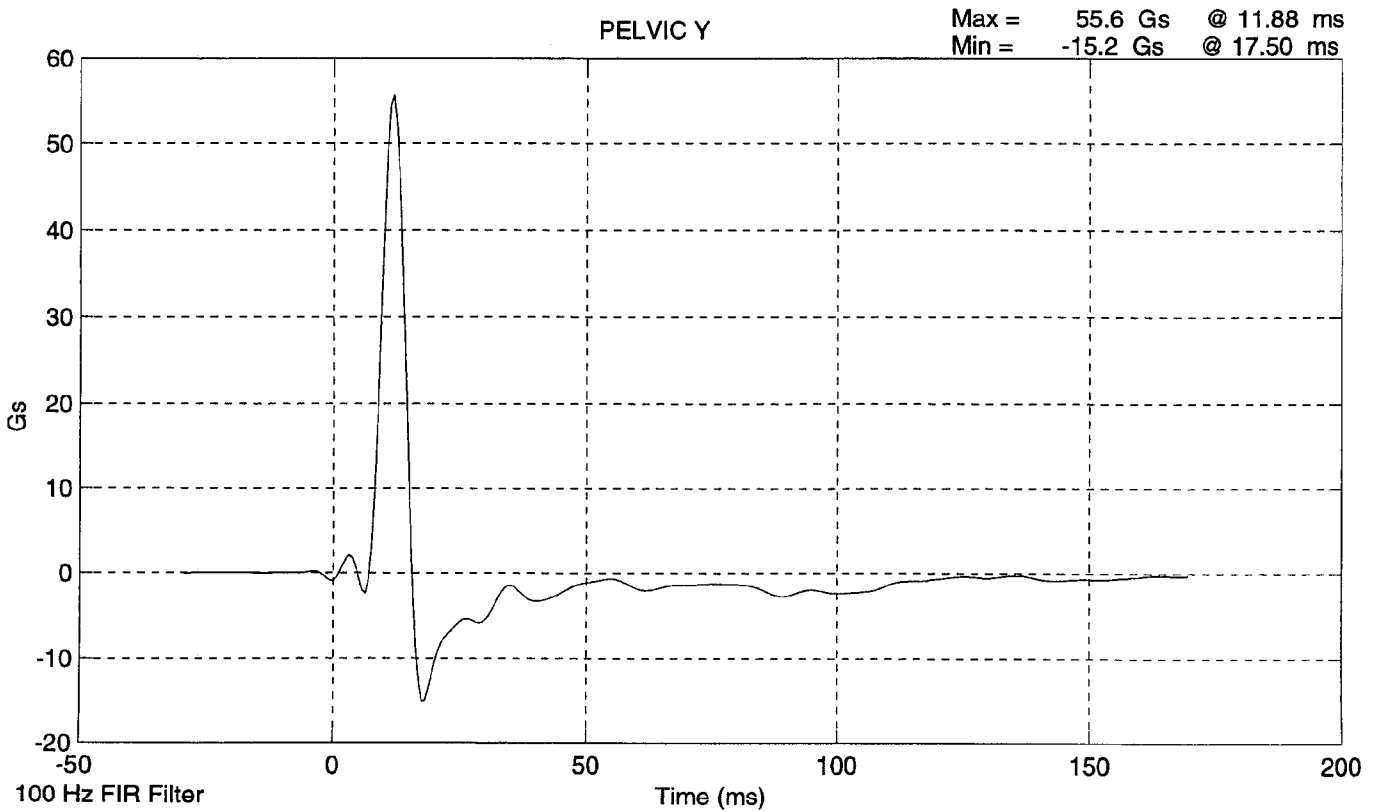
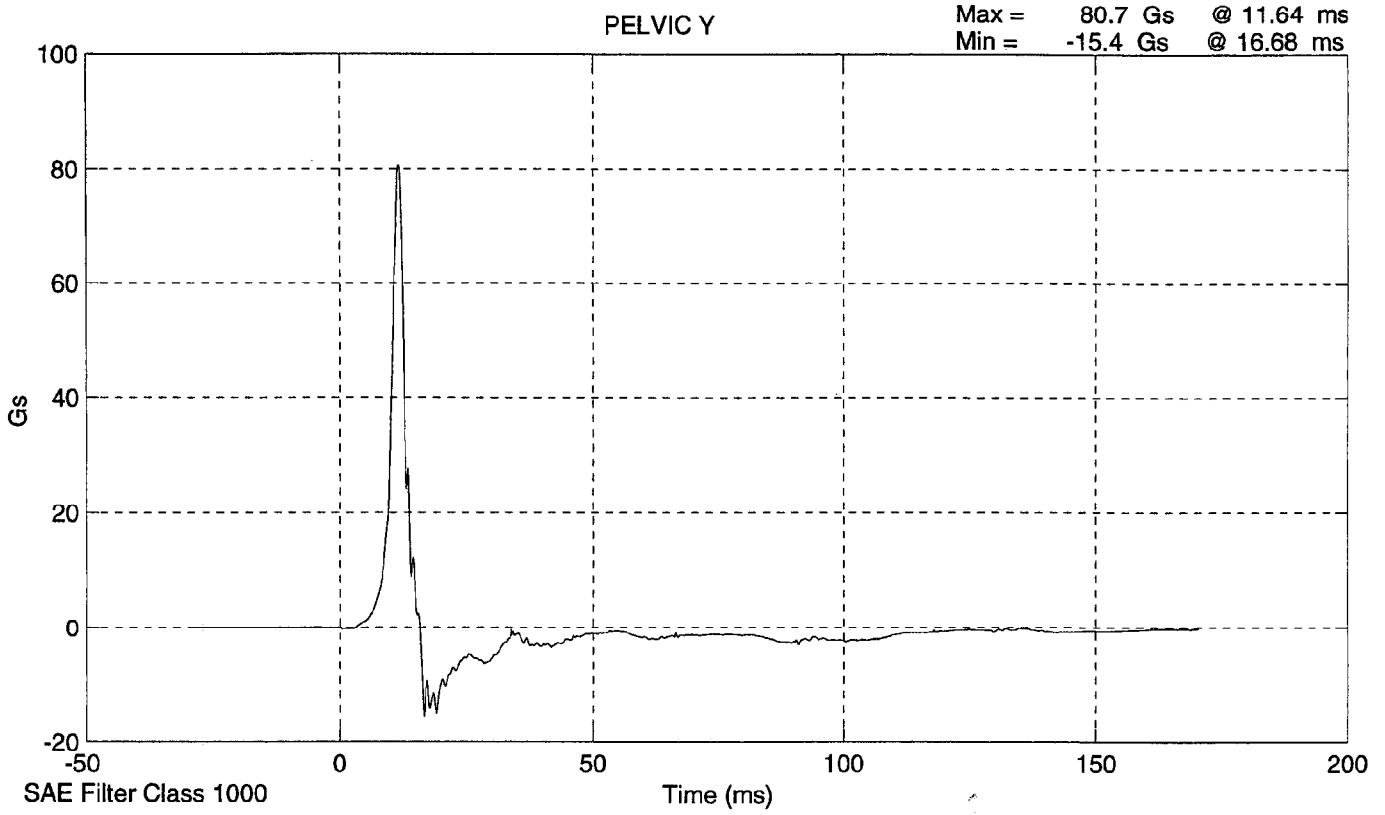
SID Serial No.: 268
Date: October 11, 1999

Sequential Test Number: 3
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	32
PROBE SPEED (m/s)	4.27 - 4.33	4.31
PELVIS ACCELERATION (g's)	40 - 60	55.6

REMARKS: None

SID 268 Pelvic Impact Test @ 4.3099 m/s



**ABDOMINAL COMPRESSION TEST
POST TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268 Sequential Test Number: 3
Date: October 6, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	32
FORCE @ 13 mm (N)	104 - 162	132.6
FORCE @ 19 mm (N)	163 - 221	191.3
FORCE @ 25 mm (N)	222 - 280	249.1
FORCE @ 33 mm (N)	325 - 391	345.2

REMARKS: None

COPY

CC

7

Dummy S/N 262

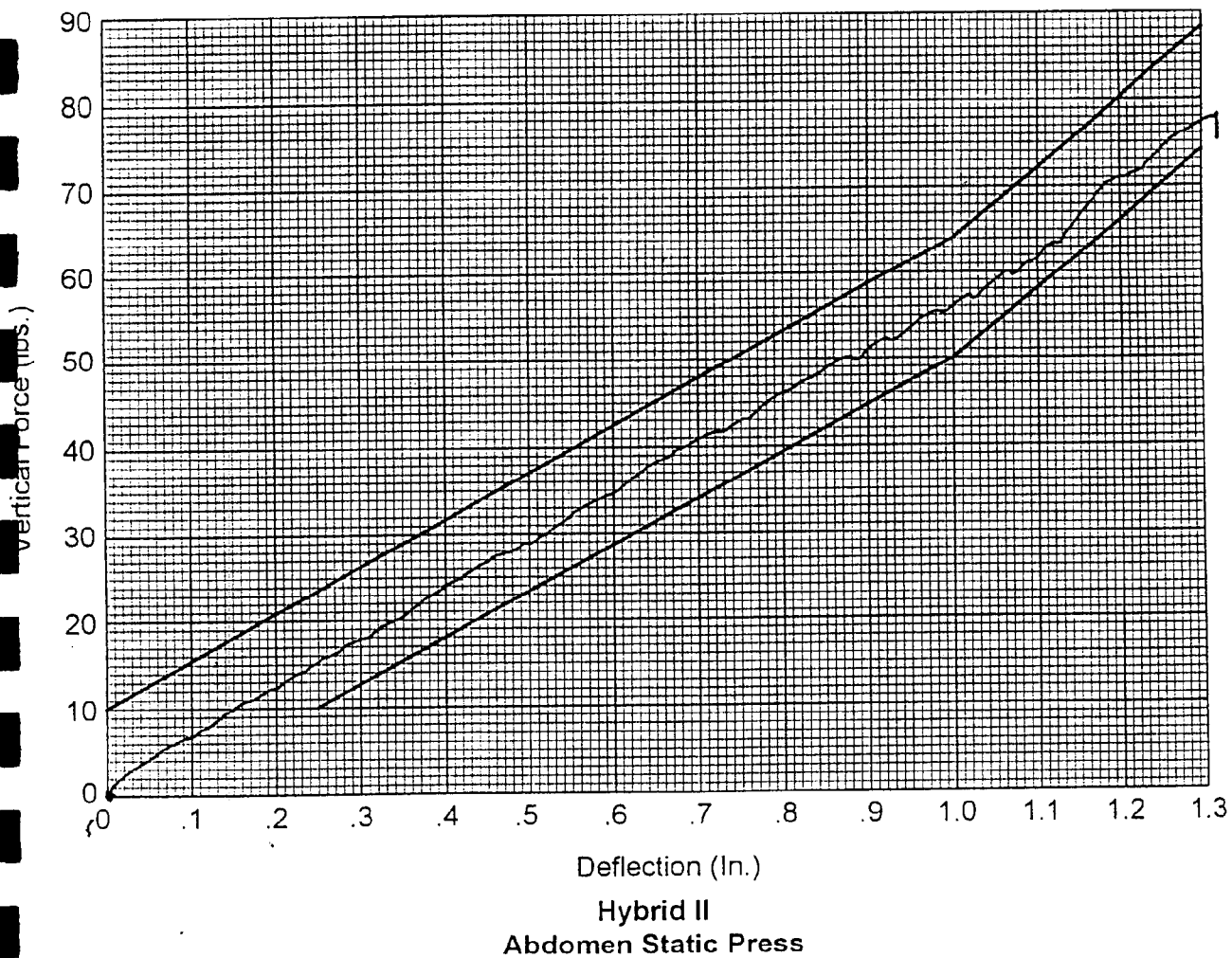
W/A _____

Date 10-6-99

Performed By [Signature]

Temp. 71°

Humidity 32%



LUMBAR FLEXION TEST
POST TEST
(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

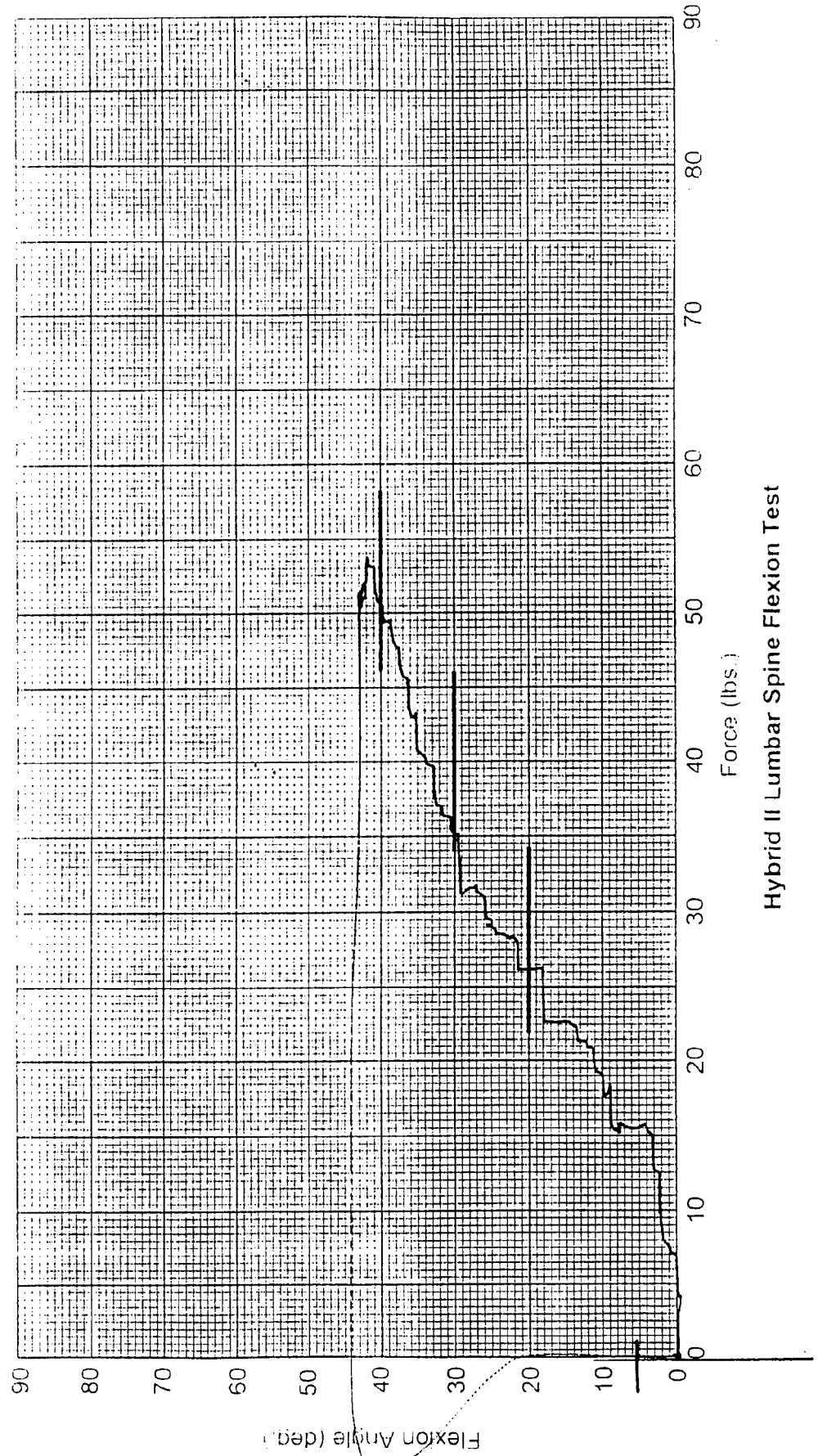
SID Serial No.: 268 Sequential Test Number: 3
Date: October 6, 1999 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	32
FORCE @ 0° (N)	0 - 26.7	0
FORCE @ 20° (N)	97.8 - 151.2	116.8
FORCE @ 30° (N)	151.2 - 204.6	156.8
FORCE @ 40° (N)	204.6 - 258	222.4
RETURN ANGLE	12° max.	5.5

REMARKS: None

COPY

Dummy S/N 268
W/A
Date 10-6-99
Performed By RSD
Temp. 71°
Humidity 32%



Hybrid II Lumbar Spine Flexion Test

POST TEST DUMMY INSPECTION LIST

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 268

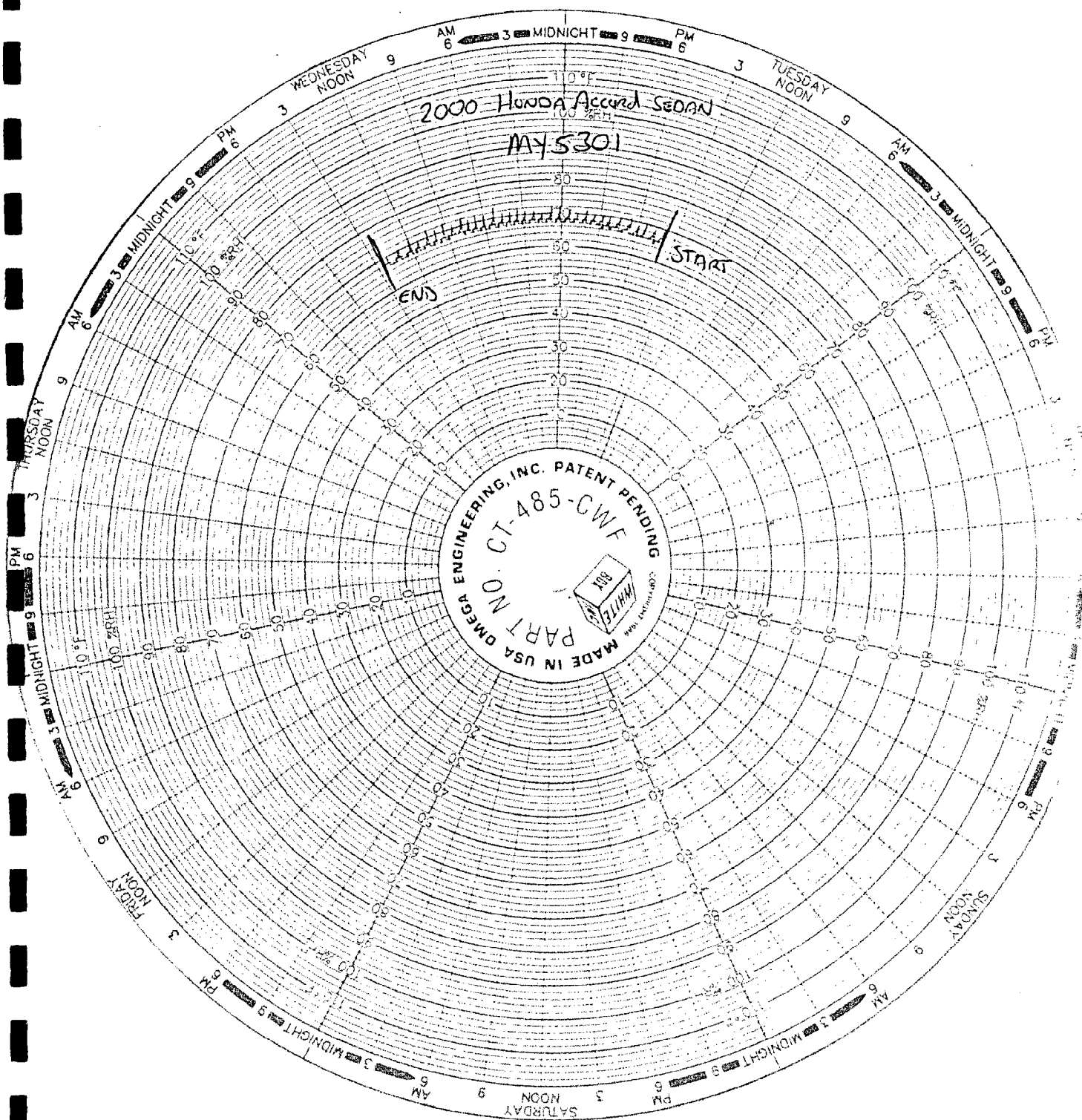
Sequential Test Number: 3

Date: October 11, 1999

Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	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	NONE	-

REMARKS: None



APPENDIX D

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

SID INSTRUMENTATION

FRONT SID NO.: 015			
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
UPPER RIB	AC-A13568	ENDEVCO	18-Jun-99
LOWER RIB	AC-A14433	ENDEVCO	29-Jun-99
LOWER SPINE	AC-A14239	ENDEVCO	29-Jun-99
PELVIS	AC-A14485	ENDEVCO	9-Jul-99
UPPER RIB REDUNDANT	AC-A14481	ENDEVCO	29-Jun-99
LOWER RIB REDUNDANT	AC-A14488	ENDEVCO	29-Jun-99
LOWER SPINE REDUNDANT	AC-A14306	ENDEVCO	29-Jun-99
PELVIS REDUNDANT	AC-A14321	ENDEVCO	30-Jun-99

REAR SID NO.: 268			
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
UPPER RIB	AC-A13599	ENDEVCO	21-Jun-99
LOWER RIB	AC-A14131	ENDEVCO	18-Jun-99
LOWER SPINE	AC-A14381	ENDEVCO	30-Jun-99
PELVIS	AC-A14307	ENDEVCO	30-Jun-99
UPPER RIB REDUNDANT	AC-A13883	ENDEVCO	16-Jun-99
LOWER RIB REDUNDANT	AC-A14314	ENDEVCO	18-Jun-99
LOWER SPINE REDUNDANT	AC-A14510	ENDEVCO	30-Jun-99
PELVIS REDUNDANT	AC-A14126	ENDEVCO	25-Mar-99

REMARKS: None

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

VEHICLE AND MDB INSTRUMENTATION

	VEHICLE AND MDB INSTRUMENTS		
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
RIGHT FRONT SILL (X)	AC-ACC06	ENDEVCO	1-Apr-99
RIGHT FRONT SILL (Y)	AC-B10481	ENDEVCO	24-Mar-99
RIGHT FRONT SILL (Z)	AC-B11351	ENDEVCO	24-Mar-99
RIGHT REAR SILL (X)	AC-J18622	ENDEVCO	8-Apr-99
RIGHT REAR SILL (Y)	AC-APBB6	ENDEVCO	1-Apr-99
RIGHT REAR SILL (Z)	AC-J18649	ENDEVCO	1-Apr-99
REAR FLOORPAN ABOVE AXLE (X)	AC-B11073	ENDEVCO	14-Apr-99
REAR FLOORPAN ABOVE AXLE (Y)	AC-AP1A2	ENDEVCO	3-May-99
REAR FLOORPAN ABOVE AXLE (Z)	AC-B10954	ENDEVCO	25-Mar-99
LEFT REAR SILL (Y)	AC-J18515	ENDEVCO	3-Sep-99
LEFT FRONT SILL (Y)	AC-AP1A0	ENDEVCO	3-Sep-99
LEFT FRONT DOOR CENTERLINE (Y)	AC-AA35	ENDEVCO	14-Sep-99
RIGHT REAR SEAT OCCUPANT COMP. (Y)	AC-D29	ICS	1-Sep-99
MID REAR OF LEFT FRONT DOOR (Y)	AC-J18570	ENDEVCO	24-Jun-99
LEFT FRONT DOOR UPPER C/L (Y)	AC-APBD7	ENDEVCO	9-Apr-99
MID REAR OF LEFT REAR DOOR (Y)	AC-AY03	ENDEVCO	19-May-99
LEFT REAR DOOR UPPER C/L (Y)	AC-AC7W8	ENDEVCO	24-Jun-99
LOWER LEFT B-PILLAR (Y)	AC-Y141	ICS	15-Sep-99
MIDDLE LEFT B-PILLAR (Y)	AC-BC48	ENDEVCO	14-Sep-99
LOWER LEFT A-PILLAR (Y)	AC-Y14	ICS	7-May-99
UPPER LEFT A-PILLAR (Y)	AC-J18406	ENDEVCO	3-Sep-99
FRONT SEAT TRACK (Y)	AC-AY60	ENDEVCO	14-Sep-99
REAR SEAT TRACK (Y)	AC-AC814	ENDEVCO	3-Sep-99
VEHICLE CG (X)	AC-BB14	ENDEVCO	25-Aug-99
VEHICLE CG (Y)	AC-AP064	ENDEVCO	15-Apr-99
VEHICLE CG (Z)	AC-B10955	ENDEVCO	14-Apr-99
MDB CG (X)	AC-CL60	ENDEVCO	21-Jun-99
MDB CG (Y)	AC-CJ54	ENDEVCO	21-Jun-99
MDB CG (Z)	AC-GK12	ENDEVCO	21-Jun-99
MDB REAR FRAME MEMBER (X)	AC-CX05	ENDEVCO	27-Jul-99
MDB REAR FRAME MEMBER (Y)	AC-A27F	ENDEVCO	27-Jul-99

REMARKS: None