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REPORT NUMBER: 214-CAL-01-11

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

FORD MOTOR COMPANY
2001 FORD MUSTANG
2-DOOR CONVERTIBLE

NHTSA NUMBER: C10207

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



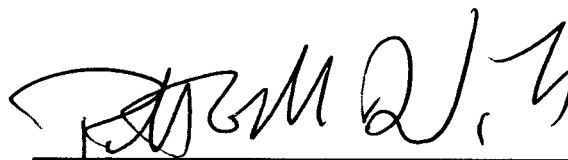
May 3, 2001

FINAL REPORT

U. S. DEPARTMENT OF TRANSPORTATION
National Highway Traffic Safety Administration
Safety Assurance
Office of Vehicle Compliance
400 Seventh Street, SW
Room 6111 (NSA-30)
Washington, DC 20590

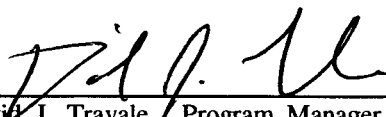
This Final Test Report was prepared for the U.S. Department of Transportation, National Highway Traffic Safety Administration, under Contract No. DTNH22-97-C-01033. This publication is distributed by the U.S. Department of Transportation, National Highway Traffic Safety Administration, in the interest of information exchange. The opinions, findings and conclusions expressed in this publication are those of the author(s) and not necessarily those of the Department of Transportation or the National Highway Traffic Safety Administration. The United States Government assumes no liability for its contents or use thereof. If trade or manufactures' names or products are mentioned, it is only because they are considered essential to the object of the publication and should not be construed as an endorsement. The United States Government does not endorse products or manufacturers.

Prepared By:



Patrick G. MacDiarmid, Jr., Project Engineer

Approved By:



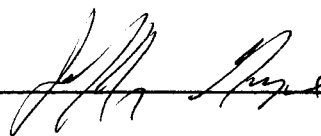
David J. Travale, Program Manager
Transportation Sciences Center

Approval Date:

May 24, 2001

FINAL REPORT ACCEPTANCE BY:

Accepted By:



Acceptance Date:

6/12/01

TECHNICAL REPORT STANDARD TITLE PAGE

1. Report No. 214-CAL-01-11		2. Government Accession No.		3. Recipient's Catalog No.																															
4. Title and Subtitle Final Report of FMVSS 214 Compliance Side Impact Testing of a 2001 Ford Mustang 2-Door Convertible NHTSA No.: C10207				5. Report Date May 3, 2001																															
				6. Performing Organization Code CAL																															
7. Author(s) Patrick G. MacDiarmid, Jr., Project Engineer David J. Travale, Program Manager				8. Performing Organization Report No. 8502-27																															
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. DTNH22-97-C-01033																															
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Office of Vehicle Compliance 400 Seventh Street, SW, Room 6111 Washington, DC 20590				13. Type of Report and Period Covered Final Report, May 2001																															
				14. Sponsoring Agency Code NSA-30																															
15. Supplementary Notes																																			
16. Abstract A 48/24 kph 90° Impact (Moving Deformable Barrier) Compliance Test was conducted on the subject 2001 Ford Mustang 2-Door Convertible in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-214D-04 to determine FMVSS 214 Side Impact Protection compliance. This test was conducted at the Veridian Engineering Crash Test Facility in Buffalo, New York, on May 3, 2001. The impact velocity of the Moving Deformable Barrier (MDB) was 52.3 kph, and the ambient temperature at the struck (driver's) side of the target vehicle at the time of impact was 25.6°C. The target vehicle post-test maximum crush was 234 mm at level 3. 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>56</u></td> <td align="center">g's</td> <td align="center"><u>96</u></td> <td align="center">g's</td> </tr> <tr> <td>Left Lower Rib Acceleration:</td> <td align="center"><u>53</u></td> <td align="center">g's</td> <td align="center"><u>86</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>69</u></td> <td align="center">g's</td> </tr> <tr> <td>Thoracic Trauma Index (TTI):</td> <td align="center"><u>56</u></td> <td align="center">g's</td> <td align="center"><u>83</u></td> <td align="center">g's</td> </tr> <tr> <td>Pelvis Acceleration (PEV):</td> <td align="center"><u>48</u></td> <td align="center">g's</td> <td align="center"><u>53</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>56</u>	g's	<u>96</u>	g's	Left Lower Rib Acceleration:	<u>53</u>	g's	<u>86</u>	g's	Lower Spine Acceleration:	<u>55</u>	g's	<u>69</u>	g's	Thoracic Trauma Index (TTI):	<u>56</u>	g's	<u>83</u>	g's	Pelvis Acceleration (PEV):	<u>48</u>	g's	<u>53</u>	g's
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17. Key Words Compliance Testing Side Impact Protection FMVSS 214 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 264																															
				22. Price																															

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SECTION 1

PURPOSE AND TEST PROCEDURE

This side impact test is part of the FMVSS 214 Side Impact Protection Compliance Test Program sponsored by the National Highway Traffic Safety Administration (NHTSA) under Contract No. DTNH22-97-C-01033. The purpose of this test was to evaluate side impact protection in a 2001 Ford Mustang 2-Door Convertible. The test was conducted in accordance with the Office of Vehicle Safety Compliance's Laboratory Test Procedure (TP-214D-04, dated September 1, 1995).

SECTION 2

SUMMARY OF SIDE IMPACT TEST

A 2001 Ford Mustang 2-Door Convertible 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 52.3 kph (32.5 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 May 3, 2001. 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 OVSC Side Impact Laboratory Test Procedure (TP-214D-04, dated September 1, 1995). Both SIDs were certified prior to this test. 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 49 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)	56	83
PEV (g)	48	53

FMVSS 214D requires that the TTI not exceed 85 for 4 door vehicles and not exceed 90 for 2 door vehicles. Peak lateral pelvis acceleration shall not exceed 130 g's.

SECTION 3

SUMMARY OF TEST RESULTS

DATA SHEET 1

GENERAL TEST AND VEHICLE PARAMETER DATA

TEST VEHICLE INFORMATION:

Year/Make/Model/Body Style: 2001 Ford Mustang 2-Door Convertible
 Vehicle Body Color: Green VIN: 1FAFP44451F128944
 Vehicle NHTSA No.: C10207 Month & Year of Manufacture: 11/00
 Engine Data: 6 Cylinders; - CID; 3.8 Liters; - cc
 Engine Placement: X Longitudinal; or - Lateral
 Transmission: 4 Speed; - Manual; X Automatic; X Overdrive
 Final Drive: X Rear Wheel Drive; - Front Wheel Drive; - Four Wheel
 Odometer Reading 356 km
 Options: X A/C; X Power Steering; X Pwr.Brakes; X Pwr. Windows

DATA FROM TIRE PLACARD

Tire Pressure* (at capacity); 240 kPa FRONT
240 kPa REAR
 Recommended Tire Size: P225/55R16
 Tires on Test Vehicle: P225/55R16 ; Manufacturer: Goodyear
 Vehicle Capacity Data:
 Number of Occupants: 2 Front; 2 Rear; - 3rd Seat; 4 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 = 317 kg (A)
 No. of Occupants x 68.04 kg. = 272.2 kg (B)
 Vehicle Cargo Capacity = 44.8 kg (A-B)

TEST VEHICLE DELIVERED WEIGHT WITH MAXIMUM FLUIDS:

Left Front	=	<u>436.0</u> kg	Left Rear	=	<u>328.5</u> kg
Right Front	=	<u>426.0</u> kg	Right Rear	=	<u>318.0</u> kg
TOTAL FRONT	=	<u>862.0</u> kg	TOTAL REAR	=	<u>646.5</u> kg
% of Total Weight	=	<u>57.1</u> %	% of Total Weight	=	<u>42.9</u> %
TOTAL WEIGHT	=	<u>1508.5</u> kg			

* Tire pressure used in test.

DATA SHEET 1 (continued)

GENERAL TEST VEHICLE PARAMETER DATA

Vehicle: 2001 Ford Mustang

NHTSA No. C10207

CALCULATION OF VEHICLE'S TARGET TEST WEIGHT:

Total Test Vehicle Delivered Weight with Max. Fluids	=	<u>1508.5</u>	kg (A)
Maximum Cargo Carrying Capacity of Test Vehicle	=	<u>44.8</u>	kg (B)
Weight of two instrumented Side Impact Dummies	=	<u>162.4</u>	kg (C)
TEST VEHICLE TARGET WEIGHT:	=	<u>1715.7</u>	kg (A+B+C)

FULLY LOADED TEST VEHICLE (UDVW + 2 SIDs + CARGO):

Left Front	=	<u>490.0</u>	kg	Left Rear	=	<u>412.5</u>	kg
Right Front	=	<u>421.5</u>	kg	Right Rear	=	<u>391.5</u>	kg
TOTAL FRONT	=	<u>911.5</u>	kg	TOTAL REAR	=	<u>804.0</u>	kg
% of Total Weight	=	<u>53.1</u>	%	% of Total Weight	=	<u>46.9</u>	%
TOTAL TEST WEIGHT	=	<u>1715.5</u>	kg				

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

Left Front	=	<u>484.5</u>	kg	Left Rear	=	<u>413.0</u>	kg
Right Front	=	<u>421.0</u>	kg	Right Rear	=	<u>389.0</u>	kg
TOTAL FRONT	=	<u>905.5</u>	kg	TOTAL REAR	=	<u>802.0</u>	kg
% of Total Weight	=	<u>53.0</u>	%	% of Total Weight	=	<u>47.0</u>	%
TOTAL TEST WEIGHT	=	<u>1707.5</u>	kg				

TEST VEHICLE ATTITUDE (all dimensions in millimeters):

AS DELIVERED:

Left Front	<u>732</u>	Right Front	<u>734</u>	Left Rear	<u>750</u>	Right Rear	<u>750</u>
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FULLY LOADED:

Left Front	<u>720</u>	Right Front	<u>728</u>	Left Rear	<u>710</u>	Right Rear	<u>717</u>
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READY FOR TEST:

Left Front	<u>724</u>	Right Front	<u>728</u>	Left Rear	<u>715</u>	Right Rear	<u>719</u>
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Test Vehicle Wheelbase: 2571 millimeters

C.G. = 1208 millimeters rearward of front wheel centerline

TOTAL VEHICLE LENGTH:

Right Side	=	<u>4590</u>	millimeters
Left Side	=	<u>4590</u>	millimeters
Centerline	=	<u>4655</u>	millimeters

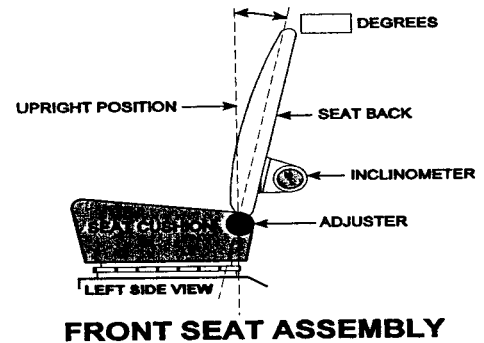
DATA SHEET 1 (continued)

GENERAL TEST VEHICLE PARAMETER DATA

Vehicle: 2001 Ford Mustang

NHTSA No. C10207

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 TRACK POSITION: Seat track placed in mid-position (105 mm from full forward)

Total Length of Adjustment Travel: 210 millimeters

Total Number of Adjustment Positions or Detents: Electronic

FRONT SEAT BACK ADJUSTMENT POSITION: Recline seat back to 21° measure 13" up on seat back

Seat Back Torso Angle: 20.7 degrees

SECOND POSITION SEAT:

Total Length of Fore/Aft Adjustment Travel: 0 millimeters

Seat Back Adjustment Position: N/A

ADJUSTABLE STEERING COLUMN POSITION: Mid-Position (three of five detents)

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:

59.4 liters (Fuel Tank Usable Capacity)

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

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

Wheelbase = 2571 millimeters

Impact Point is 346 millimeters rearward of front axle centerline

(which is 940 millimeters forward of the wheelbase midpoint)

Actual Impact Point is 344 millimeters rearward of front axle centerline

DATA SHEET 2

TEST VEHICLE SUMMARY OF RESULTS

VEHICLE IDENTIFICATION:

Vehicle Year/Make/Model: 2001 Ford Mustang

Body Style: 2-Door Convertible

VIN: 1FAFP44451F128944

NHTSA No.: C10207

Test Date: May 3, 2001

Overall Length = 4655 millimeters; Overall Width = 1840 millimeters

VEHICLE TEST WEIGHT (Pre-Test):

Left Front = 484.5 kg Left Rear = 413.0 kg

Right Front = 421.0 kg Right Rear = 389.0 kg

TOTAL FRONT = 905.5 kg TOTAL REAR = 802.0 kg

TOTAL VEHICLE WEIGHT 1707.5 kg

Wheelbase = 2571 millimeters

Longitudinal C.G. from Center of Front Axle = 1208 millimeters

Impact Angle with Respect to Impactor = 90 degrees

ACTUAL IMPACT POINT

Actual Impact Point is 2 mm forward of nominal impact ref. line (Lateral)

Actual Impact Point is 1 mm above nominal impact point (Vertical)

MAXIMUM EXTERIOR STATIC CRUSH:

1. LEVEL 1 (263 mm above ground) = 83 millimeters

2. LEVEL 2 (471 mm above ground) = 216 millimeters

3. LEVEL 3 (585 mm above ground) = 234 millimeters

4. LEVEL 4 (819 mm above ground) = 216 millimeters

5. LEVEL 5 (1260 mm above ground) = 4 millimeters

Maximum Post-Test Intrusion = 234 millimeters

OCCUPANTS:

Front Passenger:

Rear Passenger:

Dummy Identification 015

026

Restraints Used Three-point safety belt

Three-point safety belt

INSTRUMENTATION:

Number of Vehicle Data Channels: = 44

Number of Cameras: Onboard = 3

Offboard = 7

TOTAL = 10

DATA SHEET 3

MOVING DEFORMABLE BARRIER (MDB) SUMMARY

Vehicle: 2001 Ford Mustang

NHTSA No. C10207

MDB FACE MANUFACTURER AND SERIAL NUMBER:

Plascore, Inc. 018C1200-3 159C1000

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>52.3</u>	kph				

MAXIMUM STATIC CRUSH OF HONEYCOMB IMPACT FACE:

1. Row A at Center of Bumper Level	=	<u>129</u>	millimeters
2. Row B at Top of Bumper Level	=	<u>72</u>	millimeters
3. Row C at Mid Level	=	<u>54</u>	millimeters
4. Row D at Top of Stack Level	=	<u>70</u>	millimeters

INSTRUMENTATION:

Number of MDB Data Channels	=	<u>5</u>
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DATA SHEET 4

POST-TEST OBSERVATIONS

Vehicle: 2001 Ford Mustang

NHTSA No. C10207

VISIBLE DUMMY CONTACT POINTS:

LEFT FRONT SID

Head: Left side of the face to the left shoulder; Top of the head to the side header.

Upper Torso: Interior door trim panel

Lower Torso: Interior door trim panel

Left Knee: Interior door trim panel

Right Knee: Left knee

LEFT REAR SID

Left side of the face and back of the head to the vehicle roof liner

Interior trim panel

Interior trim panel

Interior trim panel

Left knee

DOOR OPENING:

LEFT DOOR

Front: Closed/Inoperable

Rear: N/A

RIGHT DOOR

Closed/Operable

N/A

MDB DISTANCE FROM TARGET IMPACT POINT:

Vertical: 1 mm above

Horizontal: 2 mm forward

ARM REST LOCATIONS:

Front: Moved inboard during the event

Rear: Not applicable

SEAT MOVEMENT:

Front: None

Rear: None

GLAZING DAMAGE:

Windshield: Cracked along A-Pillar and across lower front

Window: Shattered during the impact event

PILLAR PERFORMANCE:

Moved inboard during the event with no visible tears or separations

SILL SEPARATION:

No visible tears or separations

AIR BAG DEPLOYMENT STATUS:

	DRIVER	FRONT PASSENGER	REAR PASSENGER
FRONT	No	No	N/A
SIDE	N/A	N/A	N/A

OTHER NOTABLE IMPACT EFFECTS:

None

SECTION 4

OCCUPANT AND VEHICLE INFORMATION

DATA SHEET 5

SID INSTRUMENTATION DATA

Vehicle: 2001 Ford Mustang

NHTSA No. C10207

	Front Dummy ID# 015				Rear Dummy ID# 026			
	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	56.4	29.4	-14.4	59.4	96.4	36.9	-28.6	42.5
Upper Rib Lateral . . Y(R)	52.5	29.4	-13.1	59.4	99.1	36.9	-31.4	42.5
Lower Rib Lateral . . Y	52.9	45.6	-8.1	100.6	85.5	38.2	-28.4	43.1
Lower Rib Lateral . . Y(R)	52.2	31.3	-7.8	100.6	87.1	38.2	-30.3	42.5
SPINE ACCELERATIONS:								
Lower Lateral Y	54.8	36.3	-7.9	109.3	68.7	41.9	-12.0	73.7
Lower Lateral Y(R)	54.5	36.3	-8.0	108.7	68.2	41.9	-12.4	73.7
PELVIC ACCELERATIONS:								
Lateral Y	48.0	36.9	-9.1	100.6	52.5	48.7	-7.1	116.3
Lateral Y(R)	48.6	37.5	-9.3	100.6	51.6	48.7	-7.0	116.8

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

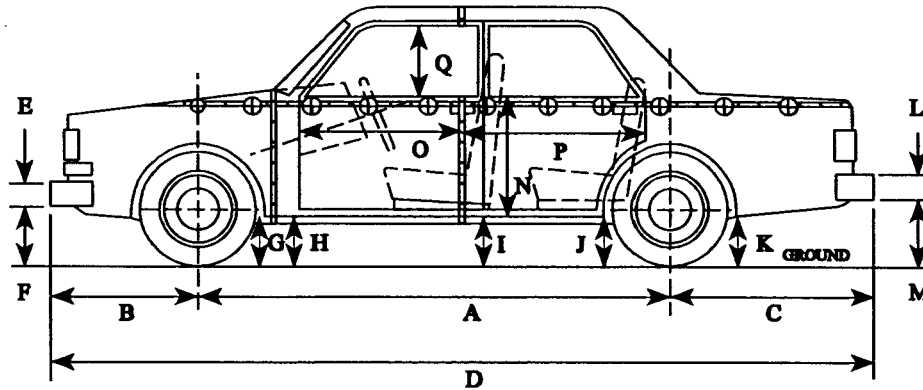
Note: Above data has been FIR filtered, Y(R) denotes redundant Y direction accelerometer.

DATA SHEET 6

VEHICLE SIDE MEASUREMENTS

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



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	2570	2571	2524	-47
B	1045	1044	1042	-2
C	1040	1040	1057	17
D	4655	-	4623	-32
E	193	-	193	0
F	392	398	416	18
G	197	179	222	43
H	200	180	229	49
I	213	180	186	6
J1	210	172	146	-26
J2	215	177	165	-12
K	266	220	236	16
L	345	-	345	0
M	350	305	340	35
N	649	-	613	-36
O	630	-	630	0
P	767	-	768	1
Q	386	-	391	5
R	4590	-	4580	-10
S	4590	-	4357	-233
T	1840	-	1717	-123

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

E&L = Bumper Thickness
J1 = To Pinch Weld

R = Right Side Length
J2 = To Sill

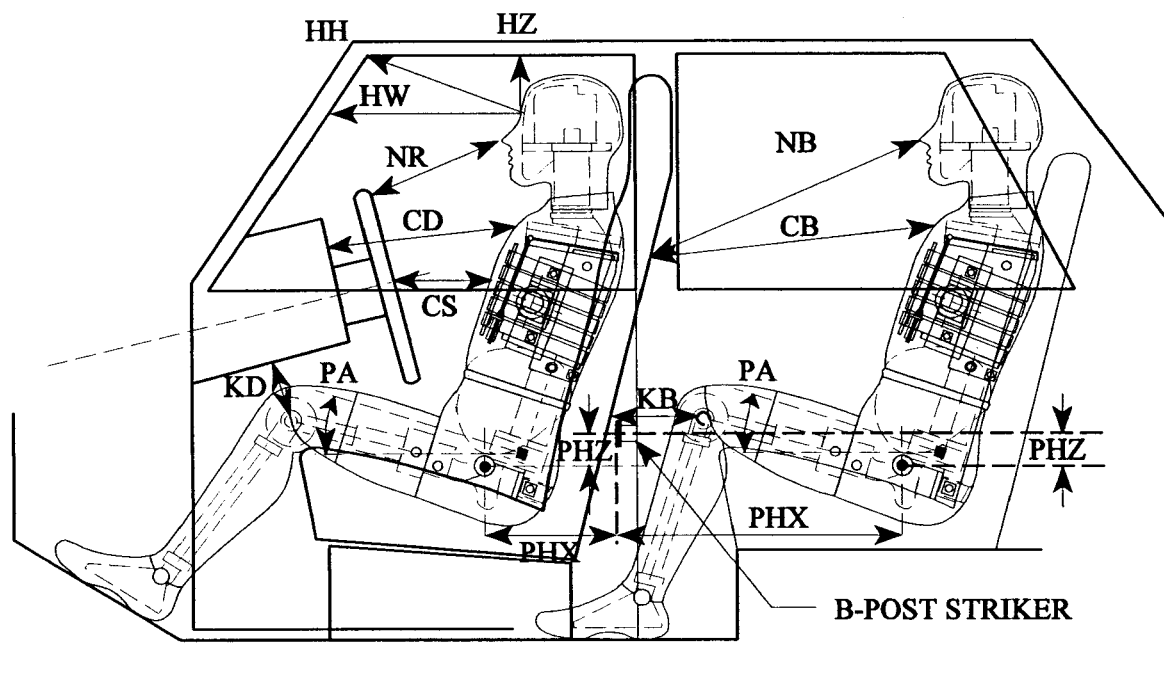
S = Left Side Length

DATA SHEET 7

SID LONGITUDINAL CLEARANCE DIMENSIONS

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



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>026</u>
HH	351	N/A
HW	557	N/A
HZ	144	111
NR/NB	428	360
CD/CB	560	300
CS	279	N/A
KDL(KDA°)/KBL(KDA°)	153 / (40°)	80 / (43°)
KDR(KBA°)/KBR(KBA°)	147 / (44 °)	70 / (40°)
PA°	23.2 °	24.9 °
PHX	511	-274
PHZ	136	120

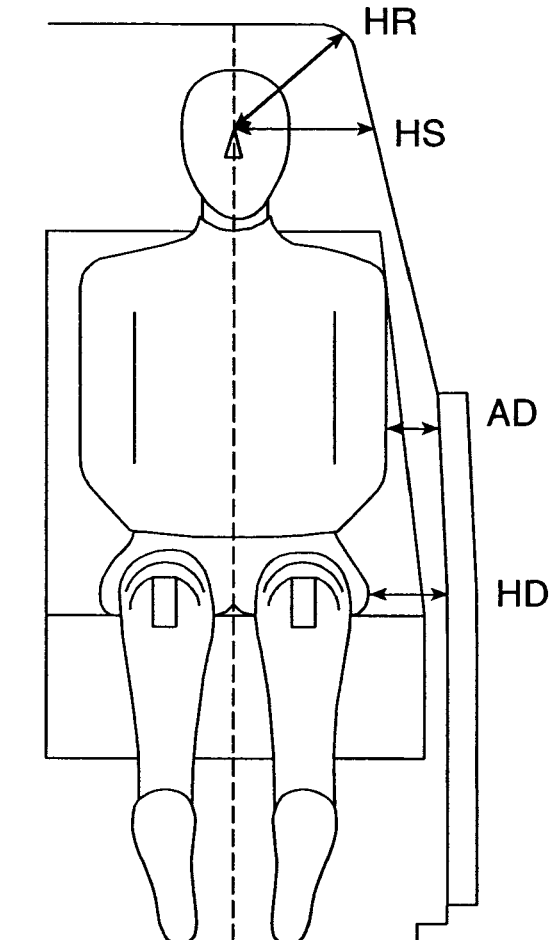
Note: 2-door vehicle shown. Rear dummy PHX & PHZ measurements for 4-door vehicle would use the C-post striker as a reference point.

DATA SHEET 8

SID LATERAL CLEARANCE DIMENSIONS

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



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

	DRIVER ID # <u>015</u>		LEFT REAR PASS. ID # <u>026</u>	
HR	153		213	
HS	291		242	
AD*	LOWER: 61	UPPER: 70	LOWER: 18	UPPER: 7
HD	128		102	

* 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.

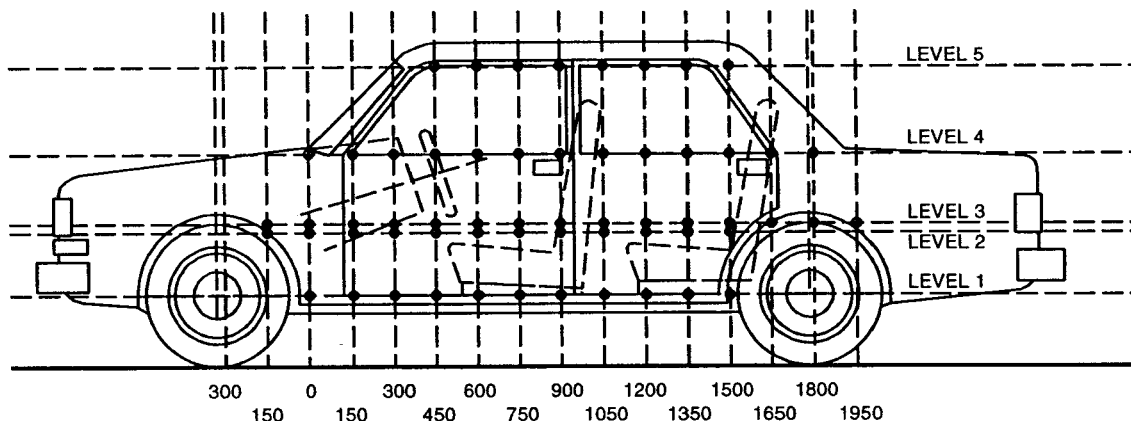
Upper measurement is taken laterally at the center of the upper rib accelerometer height from the SID arm segment to the closest part of the vehicle side.

DATA SHEET 9

VEHICLE SIDE MEASUREMENTS

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



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 - SILL TOP HEIGHT

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

Measurements Along the Vertical 750 mm Line Shown Above:

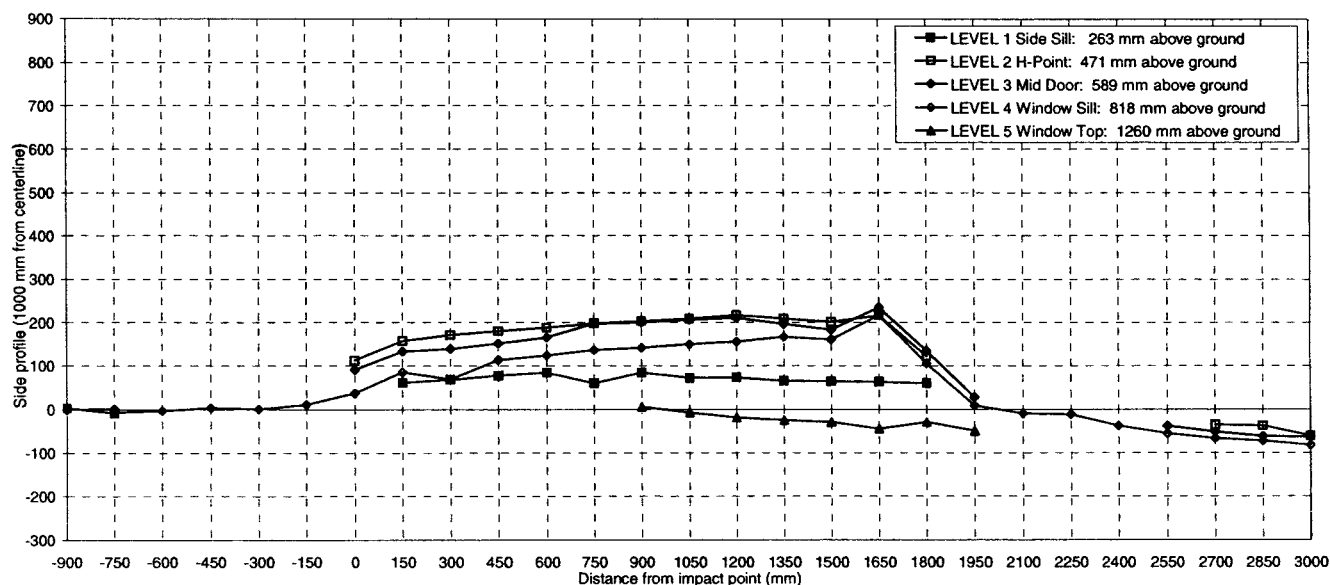
Level 5 @ Window Top	=	<u>1260</u>	millimeters
Level 4 @ Window Sill	=	<u>819</u>	millimeters
Level 3 @ Mid Door	=	<u>585</u>	millimeters
Level 2 @ Occupant H-Point	=	<u>471</u>	millimeters
Level 1 @ Sill Top Height	=	<u>263</u>	millimeters

DATA SHEET 10

VEHICLE EXTERIOR CRUSH PROFILES - ALL LEVELS

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



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

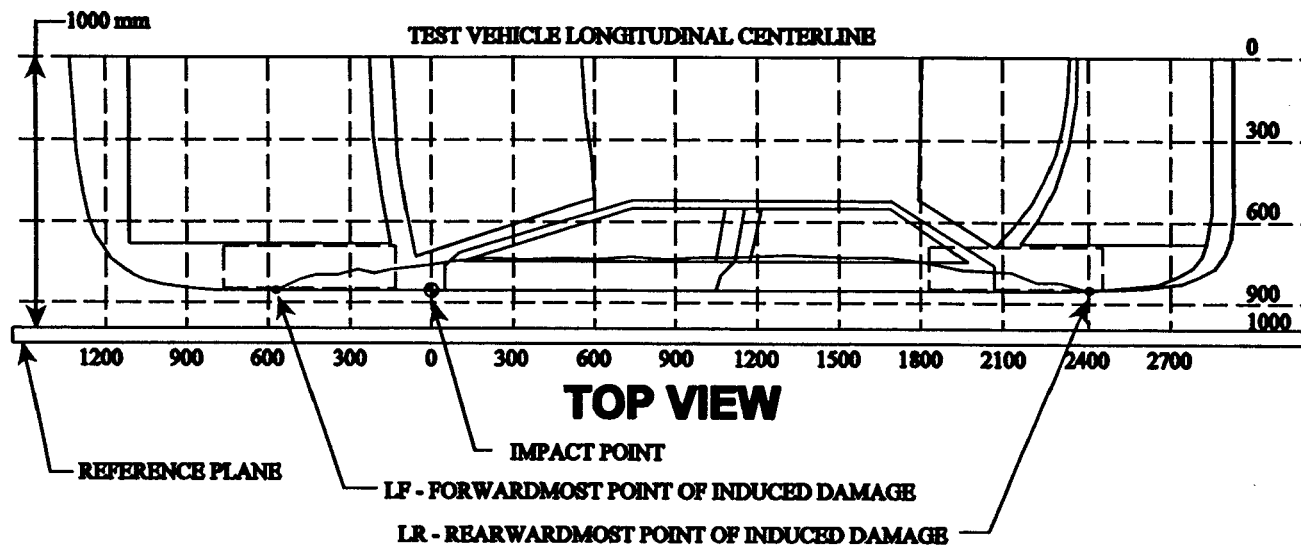
		DISTANCE IN MILLIMETERS (mm) FROM IMPACT POINT																												
LEVEL	HEIGHT (mm)		-900	-750	-600	-450	-300	-150		150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	
LEVEL 1 SIDE SILL	263	PRE	--	--	--	--	--	--		165	176	170	168	166	168	171	169	172	171	168	156	--	--	--	--	--	--	--	--	--
		POST	--	--	--	--	--	--		225	243	246	251	225	251	242	241	236	234	230	215	--	--	--	--	--	--	--	--	--
		CRUSH	N/A	N/A	N/A	N/A	N/A	N/A		60	67	76	83	59	83	71	72	64	63	62	59	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LEVEL 2 H POINT	471	PRE	186	167	--	--	--	--		136	136	137	141	140	139	137	136	134	131	125	108	--	--	--	--	--	157	183	216	
		POST	187	157	--	--	--	--		292	306	316	328	337	341	345	352	342	331	340	228	--	--	--	--	--	120	144	154	
		CRUSH	1	-10	N/A	N/A	N/A	N/A		156	170	179	187	197	202	208	216	208	200	215	120	N/A	N/A	N/A	N/A	N/A	-37	-39	-62	
LEVEL 3 MID DOOR	589	PRE	203	165	--	--	--	--		132	135	137	138	137	135	133	130	128	124	117	105	95	--	--	--	122	157	183	210	
		POST	201	164	--	--	--	--		263	272	287	302	333	334	338	339	323	306	351	238	121	--	--	--	82	104	120	145	
		CRUSH	-2	-1	N/A	N/A	N/A	N/A		131	137	150	164	196	199	205	209	195	182	234	133	26	N/A	N/A	N/A	-40	-53	-63	-65	
LEVEL 4 WINDOW SILL	818	PRE	--	292	230	201	186	177		164	164	156	152	148	146	143	139	135	138	136	135	137	136	138	151	165	188	215	263	
		POST	--	284	226	204	186	187		248	232	269	275	284	287	292	294	301	298	352	240	145	126	126	113	109	121	142	180	
		CRUSH	N/A	-8	-4	3	0	10		84	68	113	123	136	141	149	155	166	160	216	105	8	-10	-12	-38	-56	-67	-73	-83	
LEVEL 5 WINDOW TOP	1260	PRE	--	--	--	--	--	--		--	--	--	--	--	397	400	399	400	399	415	440	463	--	--	--	--	--	--	--	
		POST	--	--	--	--	--	--		--	--	--	--	--	401	391	379	374	368	369	409	412	--	--	--	--	--	--	--	
		CRUSH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	-9	-20	-26	-31	-46	-31	-51	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DATA SHEET 11

VEHICLE DAMAGE PROFILE DISTANCES

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



MEASUREMENT CONVENTIONS:

Forward of the impact point (towards front of vehicle) is considered negative (—).
Rearward of the impact point (toward rearend of vehicle) is considered positive (+).

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

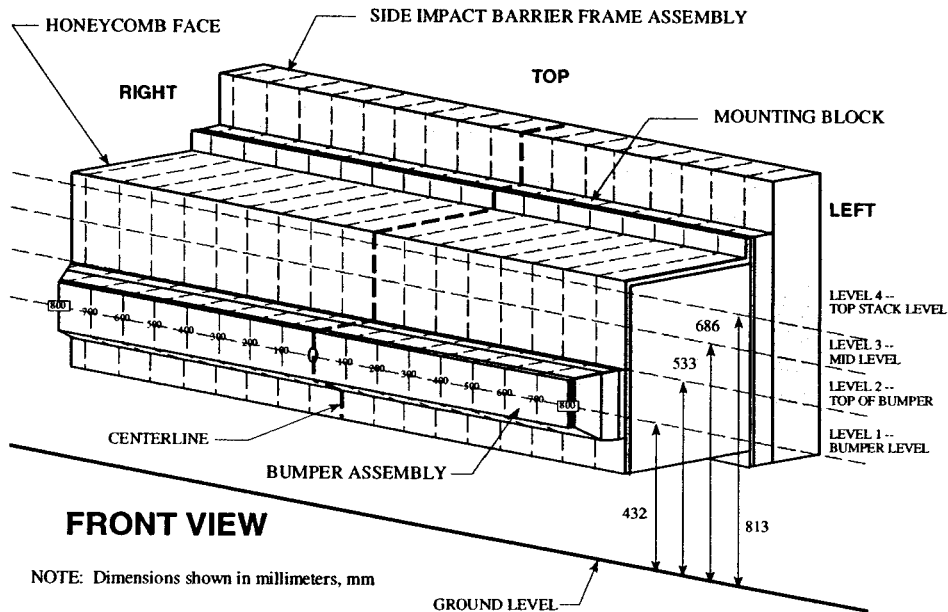
DPD MEASUREMENTS		POST TEST (mm)	PRETEST (mm)	STATIC CRUSH (mm)
1	(LR = <u>2010</u> mm)	137	137	0
2	1548	334	129	205
3	1086	338	132	206
4	624	329	141	188
5	162	293	136	157
6	(LF = <u>-310</u> mm)	186	186	0

DATA SHEET 12

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

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



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

LEVEL	HEIGHT AT CL (mm)*		DISTANCE RIGHT OF CENTER (mm)								DISTANCE LEFT OF CENTER (mm)							
			800	700	600	500	400	300	200	100	100	200	300	400	500	600	700	800
LEVEL 4 TOP STACK	813	PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619
		POST	659	603	599	603	604	604	608	611	623	626	635	642	658	689	670	673
		CRUSH	40	-16	-20	-16	-15	-15	-11	-8	4	7	16	23	39	70	51	54
LEVEL 3 MID LEVEL	686	PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619
		POST	628	620	613	615	614	614	614	616	619	621	625	629	640	673	668	665
		CRUSH	9	1	-6	-4	-5	-5	-5	-3	0	2	6	10	21	54	49	46
LEVEL 2 TOP BUMPER	533	PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619
		POST	684	681	676	665	654	650	650	650	655	658	664	667	678	691	690	689
		CRUSH	65	62	57	46	35	31	31	31	36	39	45	48	59	72	71	70
LEVEL 1 MID BUMPER	432	PRE	535	519	518	518	518	518	518	518	518	518	518	518	518	518	519	535
		POST	649	638	641	628	611	597	592	592	597	595	604	614	627	647	632	648
		CRUSH	114	119	123	110	93	79	74	74	79	77	86	96	109	129	113	113

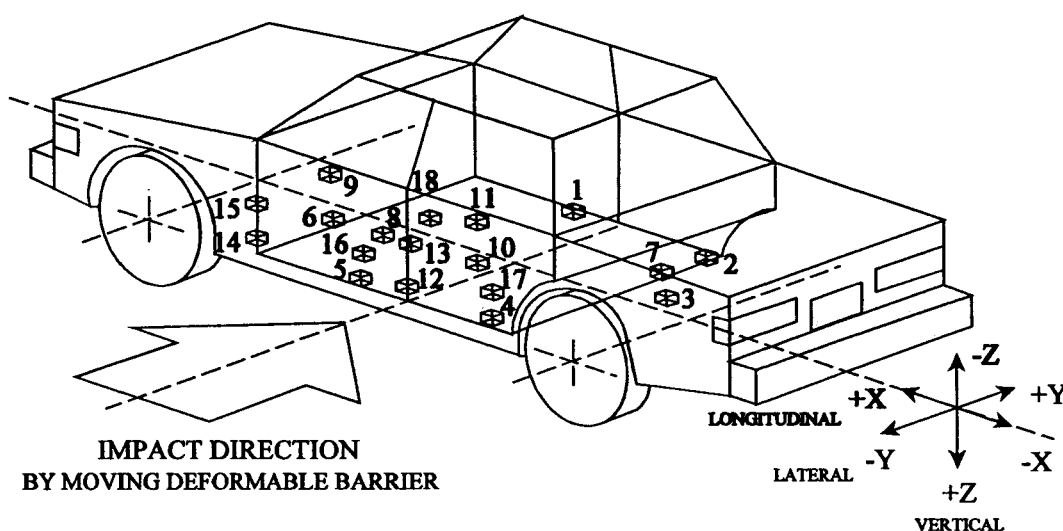
*Heights measured above ground level.

DATA SHEET 13

TEST VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



- 1-Right Side Sill @ Front Seat
- 2-Right Side Sill @ Rear Seat
- 3-Rear Floorpan Above Axle
- 4-Left Side Sill @ Rear Seat
- 5-Left Side Sill @ Front Seat
- 6-Left Front Door on Centerline
- 7-Right Rear Occupant Compartment
- 8-Midrear of Left Front Door
- 9-Left Front Door Upper Centerline

- 10-Midrear of Left Rear Door
- 11-Left Rear Door Upper Centerline
- 12-Left Lower B-Pillar
- 13-Left Middle B-Pillar
- 14-Left Lower A-Pillar
- 15-Left Middle A-Pillar
- 16-Front Seat Track
- 17-Rear Seat Track
- 18-Vehicle CG

DATA SHEET 13 (continued)

VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2001 Ford Mustang

NHTSA No. C10207

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	2780	678	-336	pos.	0.8	33.7	23.1	10.8	8.2	23.8	10.9
					neg.	-3.6	21.5	-2.4	113.0	-7.5	0.0	-15.3
2	Right Side Sill at Rear Seat	1810	668	-248	pos.	2.2	33.3	22.8	8.4	5.8	22.9	8.3
					neg.	-3.4	16.6	-2.8	32.6	-6.5	0.0	-18.4
3	Rear Floorpan Above Axle	1002	62	-566	pos.	1.9	149.9	25.1	9.5	14.7	26.3	9.3
					neg.	-4.8	63.7	-2.1	166.3	-12.1	0.0	-5.3
4	Left Side Sill at Rear Seat	1857	-654	-285	pos.	-	-	35.0	8.3	-	-	-
					neg.	-	-	-9.9	53.4	-	-	-
5	Left Side Sill at Front Seat	2845	-640	-286	pos.	-	-	58.3	5.9	-	-	-
					neg.	-	-	-13.7	51.7	-	-	-
6	Left Front Door on Centerline	-	-	-	pos.	-	-	-	-	-	-	-
					neg.	-	-	-	-	-	-	-
7	Right Rear Occupant Compartment	1907	430	-218	pos.	-	-	19.2	9.4	-	-	-
					neg.	-	-	-7.5	32.3	-	-	-
8	Midrear of Left Front Door	-	-	-	pos.	-	-	-	-	-	-	-
					neg.	-	-	-	-	-	-	-
9	Left Front Door Upper Centerline	-	-	-	pos.	-	-	-	-	-	-	-
					neg.	-	-	-	-	-	-	-
10	Midrear of Left Rear Door	-	-	-	pos.	-	-	-	-	-	-	-
					neg.	-	-	-	-	-	-	-
11	Left Rear Door Upper Centerline	-	-	-	pos.	-	-	-	-	-	-	-
					neg.	-	-	-	-	-	-	-

*Reference: X - Rear Bumper (+ Forward)

Y - Vehicle Centerline (+ To Right)

Z - Ground Level (+ Down)

** Accelerometer was not requested by COTR.

DATA SHEET 13 (continued)

VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2001 Ford Mustang

NHTSA No. C10207

Accel. No.	Location	Coordinates (mm)±3 mm			Lat. (y)		Vert. (z)		Resultant	
		X*	Y*	Z*						
12	Left Lower B-Pillar	1875	-650	-267	pos.	-	Max (g)	Time (msec)	Max (g)	Time (msec)
					neg.	-	34.6	8.1	-	-
13	Left Middle B-Pillar	1702	-660	-884	pos.	-	-10.7	53.3	-	-
					neg.	-	*	*	-	-
14	Left Lower A-Pillar	3155	-624	-416	pos.	-	*	*	-	-
					neg.	-	72.7	6.4	-	-
15	Left Middle A-Pillar	2806	-644	-939	pos.	-	-22.0	18.8	-	-
					neg.	-	25.1	24.6	-	-
16	Front Seat Track	2125	-519	-258	pos.	-	-8.0	59.9	-	-
					neg.	-	31.3	13.2	-	-
17	Rear Seat Track	969	-513	-625	pos.	-	-13.6	53.5	-	-
					neg.	-	23.7	9.6	-	-
18	Vehicle CG	2529	-2	-479	pos.	-	-2.7	107.9	-	-
					neg.	-	12.9	54.9	21.7	26.7
						-10.9	-20.2	32.9	-18.3	12.9
									34.3	49.7
									0.0	-20.0

*Reference: X - Rear Bumper (+ Forward)

Y - Vehicle Centerline (+ To Right)

Z - Ground Level (+ Down)

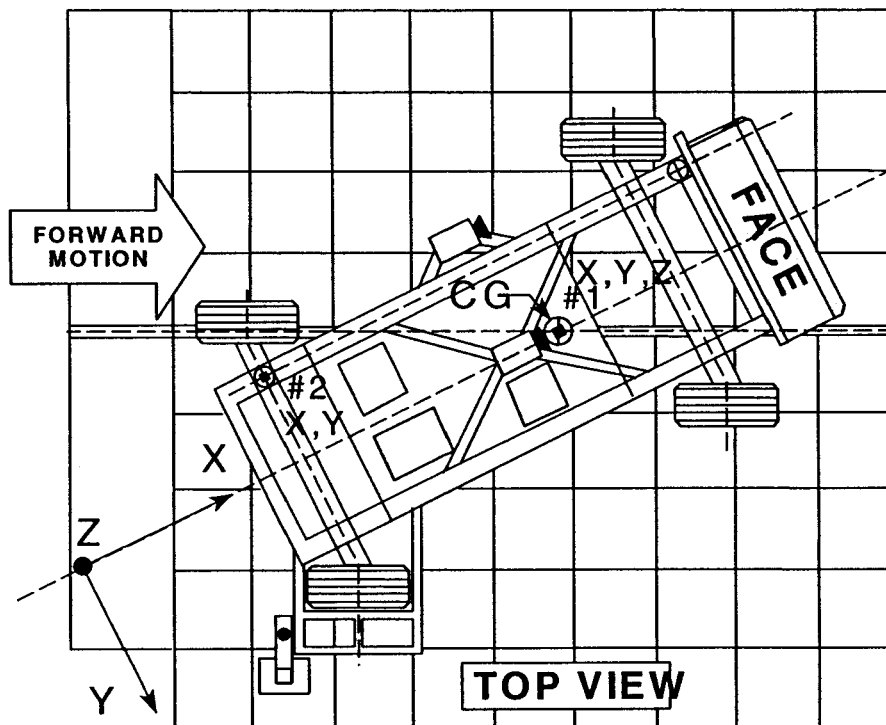
* Data Clipped

DATA SHEET 14

MDB ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



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	0.9	109.6	-17.2	42.4
	Lateral..... Y				0.8	113.3	-9.1	17.4
	Vertical..... Z				20.0	28.9	-16.4	23.3
	Resultant..... R				25.0	29.1	0.1	98.1
2	Rear Frame Member							
	Longitudinal... X	386	-660	-660	1.9	138.5	-19.6	37.8
	Lateral..... Y				3.9	22.6	-1.8	98.7

*Reference: X = Rear Bumper (+ Forward)

Y = Vehicle Centerline (+ To Right)

Z = Ground Level (+ Down)

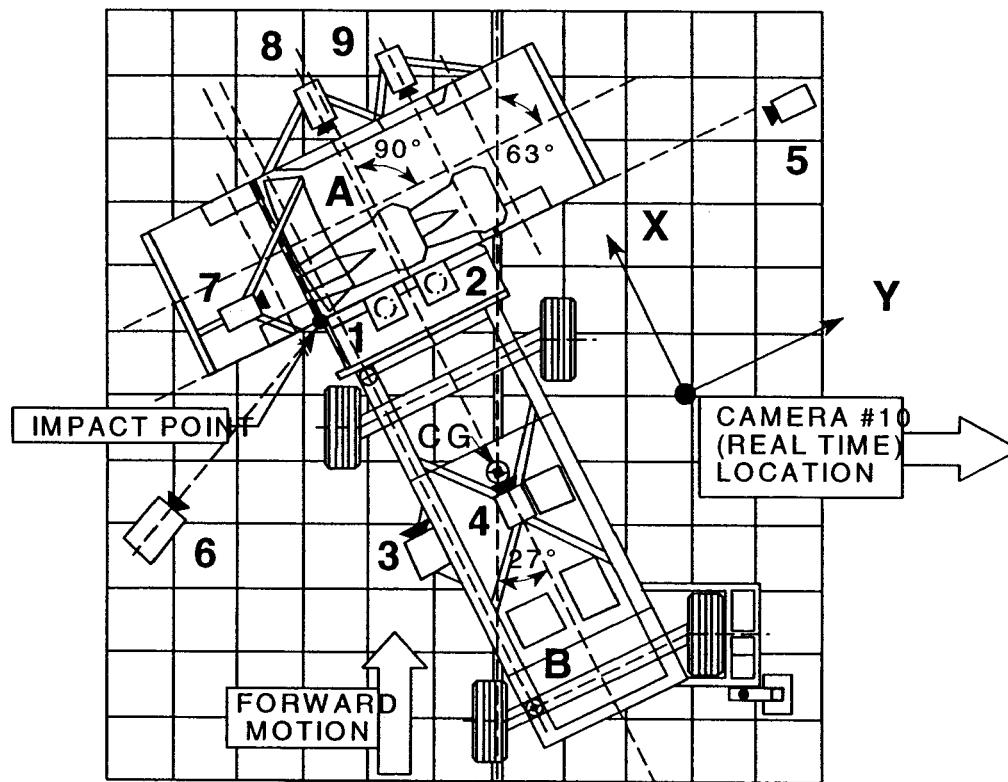
All measurements accurate to within ± 3 mm.

DATA SHEET 15

HIGH SPEED CAMERA LOCATIONS AND DATA SUMMARY

Vehicle: 2001 Ford Mustang

NHTSA No. C10207



Camera No.	View	Coordinates (millimeters)			Angle (deg.)	Lens (mm)	Film Speed (fps)
		X*	Y*	Z*			
1	Overhead view of test vehicle	76	811	4880	-90	8	980
2	Overhead closeup view of impact plane	200	866	4880	-90	12.5	1000
3	MDB onboard closeup view of impact point	-1470	0	847	0	13	1015
4	MDB onboard view of driver dummy	-1140	838	1586	-17	7.5	1010
5	Right side ground level overall view	148	9285	1086	-3	25	1005
6	Left side ground level overall view	-1802	-1755	1083	-8	13	1005
7	Test vehicle onboard driver front view	508	-135	1255	-15	13	1020
8	Test vehicle onboard driver side view	1730	948	876	-10	8	875
9	Test vehicle onboard passenger side view	3534	-2645	1512	-6	35	1015
10	Real time film coverage of test	-	-	-	-	-	24

* Reference (from point of impact); all measurements accurate to within ± 6 mm.

X = (Impact Point) + Forward

Y = (Impact Point) + To Right

Z = (Ground Level) + Up

SECTION 5

FUEL SYSTEM INTEGRITY

DATA SHEET 16

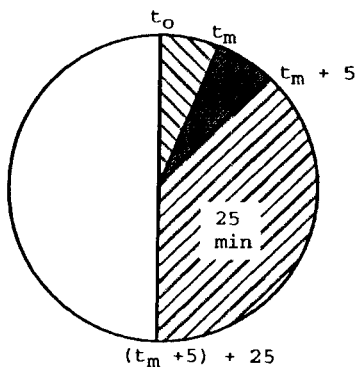
FMVSS 301 FUEL SYSTEM INTEGRITY DATA

NHTSA No.: C10207 TEST DATE: May 3, 2001
 Vehicle Mfr./Make/Model : 2001 Ford Mustang 2-Door Convertible

TEST VEHICLE IMPACT TYPE :

- Frontal (48.28 kph)
- Oblique (48.28 kph) with ° barrier face first
 contacting the side
 (driver/passenger)
- Rear Moving Barrier (48.28 kph)
- Lateral Moving Barrier (32.19 kph)
- X Side Impact Moving Deformable Barrier (52.3 kph)
 contacting the driver side side
 (driver/passenger)

FUEL SPILLAGE MEASUREMENT:



1. From impact until vehicle motion ceases
2. For five minute period after vehicle motion ceases
3. For next 25 minutes

ACTUAL	MAX ALLOWED
0 g	28 g
0 g	142 g
0 g	28 g/1 min.

SOLVENT SPILLAGE DETAILS :

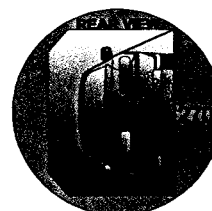
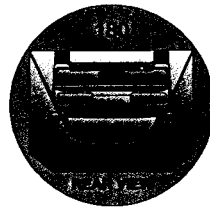
None

DATA SHEET 17

ROLLOVER DATA

Vehicle: 2001 Ford Mustang

NHTSA No.: C10207



I. DETERMINATION OF SOLVENT COLLECTION TIME PERIOD :

Rollover Stage	Rotation Time (spec. 1 -3 min)				FMVSS 301 Hold Time		Total Time				Next Whole Minute Interval	
0° - 90°	1	minutes	12	seconds	5	minutes	6	minutes	12	seconds	7	minutes
90° - 180°	1	minutes	06	seconds	5	minutes	6	minutes	6	seconds	7	minutes
180° - 270°	1	minutes	03	seconds	5	minutes	6	minutes	3	seconds	7	minutes
270° - 360°	1	minutes	08	seconds	5	minutes	6	minutes	8	seconds	7	minutes

II. FMVSS 301 REQUIREMENTS: (Maximum allowable solvent spillage):

First 5 minutes from onset of rotation	6th min.	7th min.	8th min. (if required)
142 g	28 g	28 g	28 g

III. ACTUAL TEST VEHICLE SOLVENT SPILLAGE:

Rollover Stage	First 5 minutes from onset of rotation (g)	6th min. (g)	7th min. (g)	8th min. (if required) (g)
0° - 90°	0	0	0	N/A
90° - 180°	0	0	0	N/A
180° - 270°	0	0	0	N/A
270° - 360°	0	0	0	N/A

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

IV. SOLVENT SPILLAGE LOCATION(S):

Rollover Stage	Spillage Location
0° - 90°	None
90° - 180°	None
180° - 270°	None
270° - 360°	None

APPENDIX A

PHOTOGRAPHS

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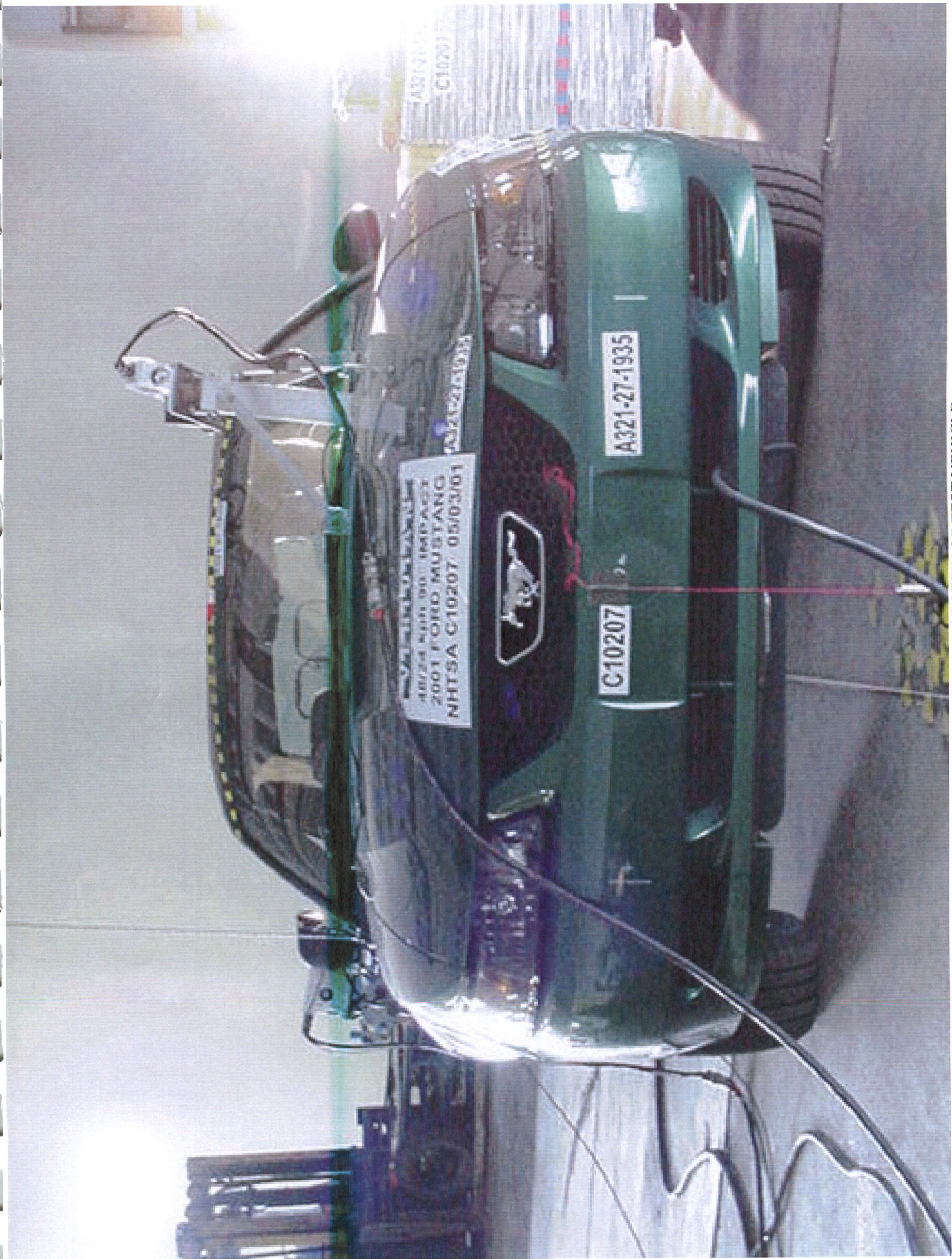


Figure A-1 PRE-TEST FRONTAL VIEW OF TEST VEHICLE



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

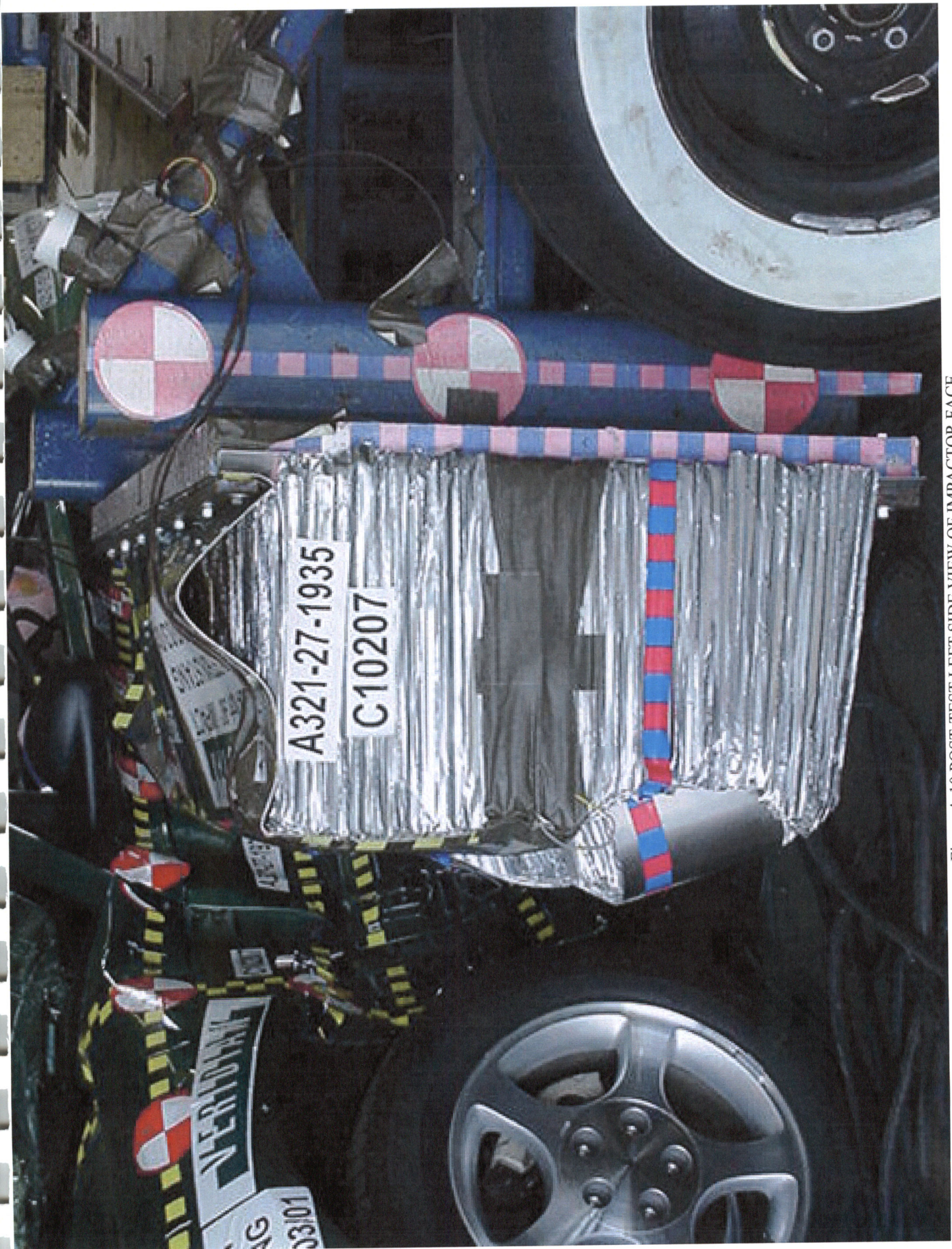


Figure A-10 POST-TEST LEFT SIDE VIEW OF IMPACTOR FACE



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

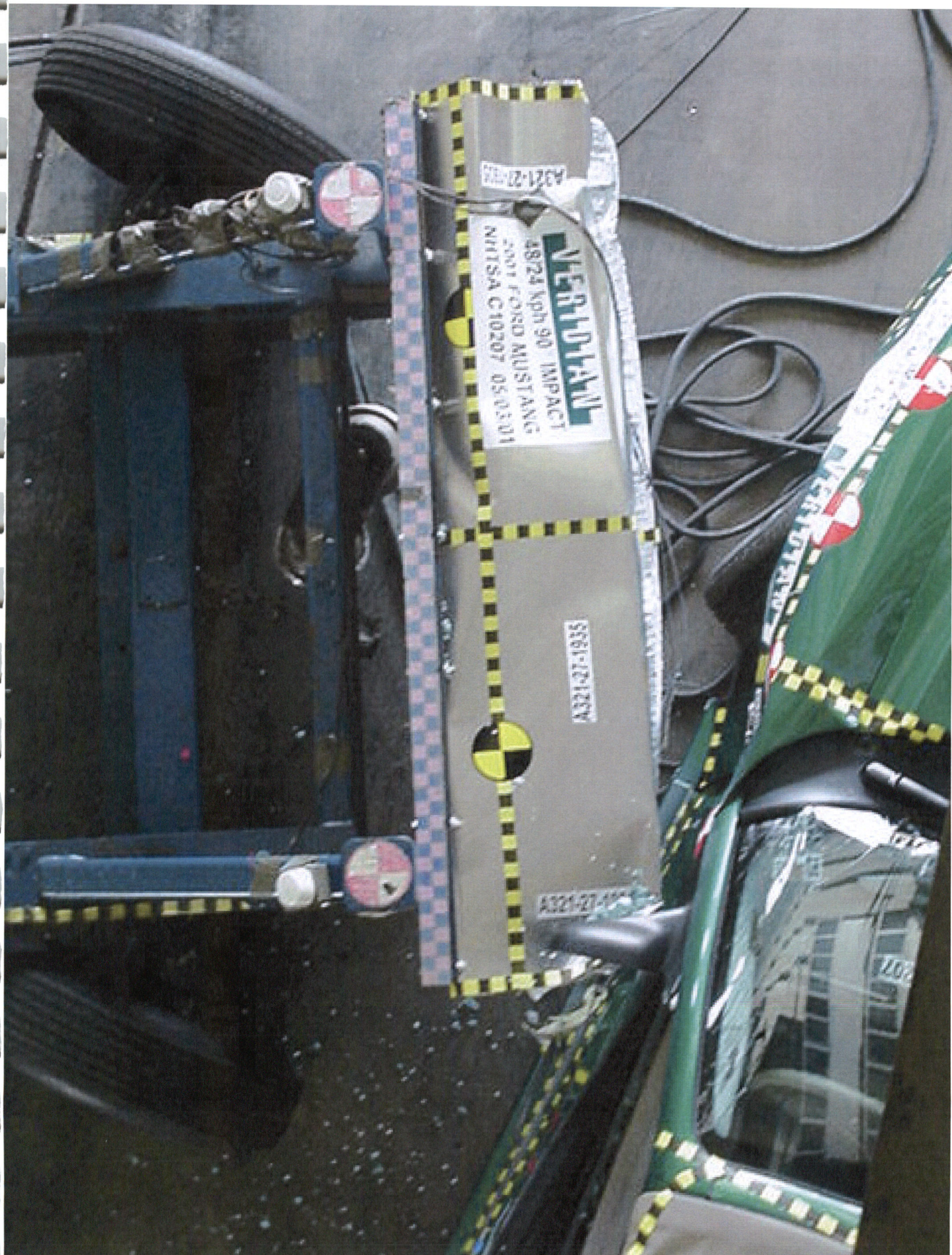


Figure A-14 POST-TEST TOP VIEW OF IMPACTOR FACE

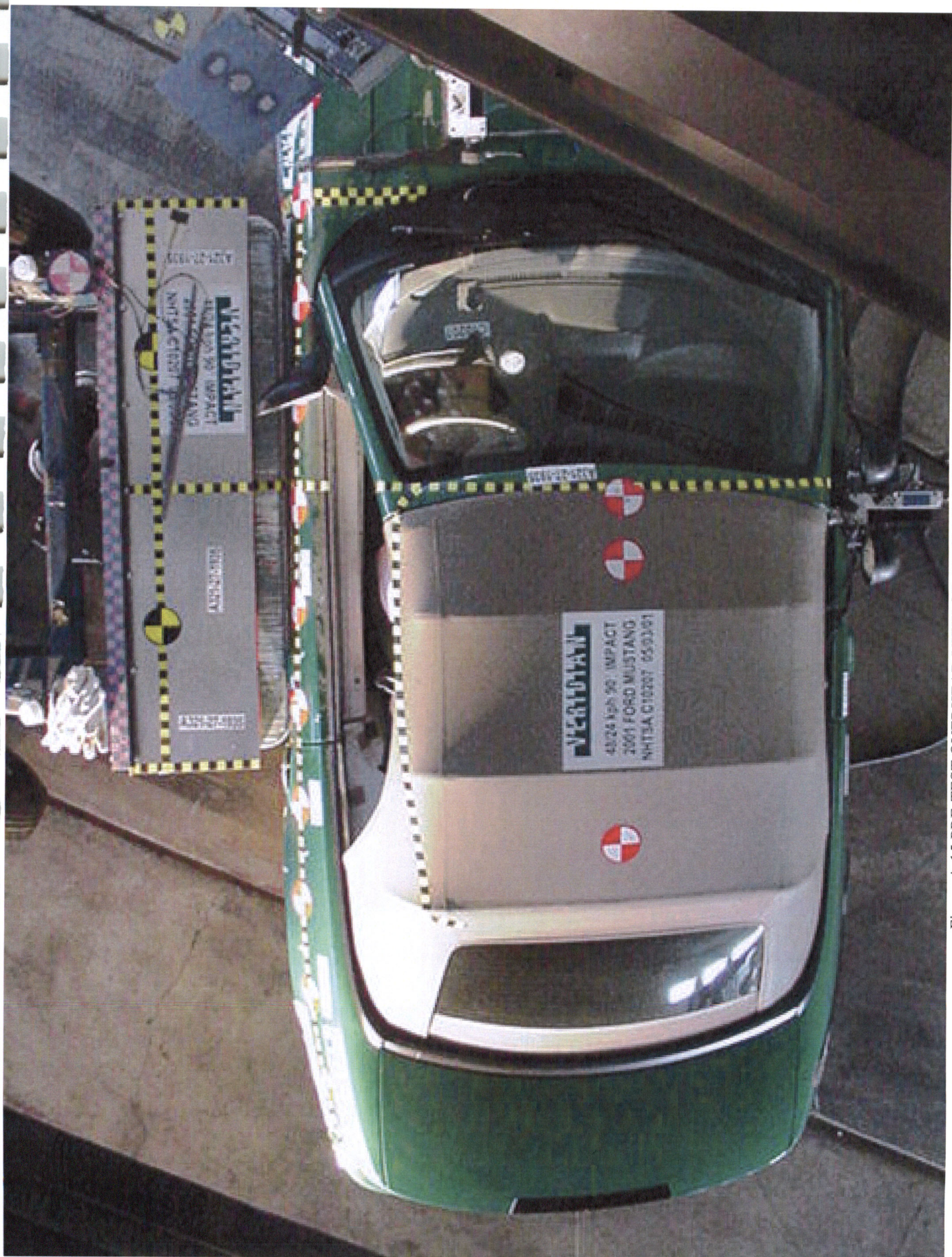


Figure A-15 PRE-TEST OVERHEAD VIEW OF ALIGNED MDB AND VEHICLE



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

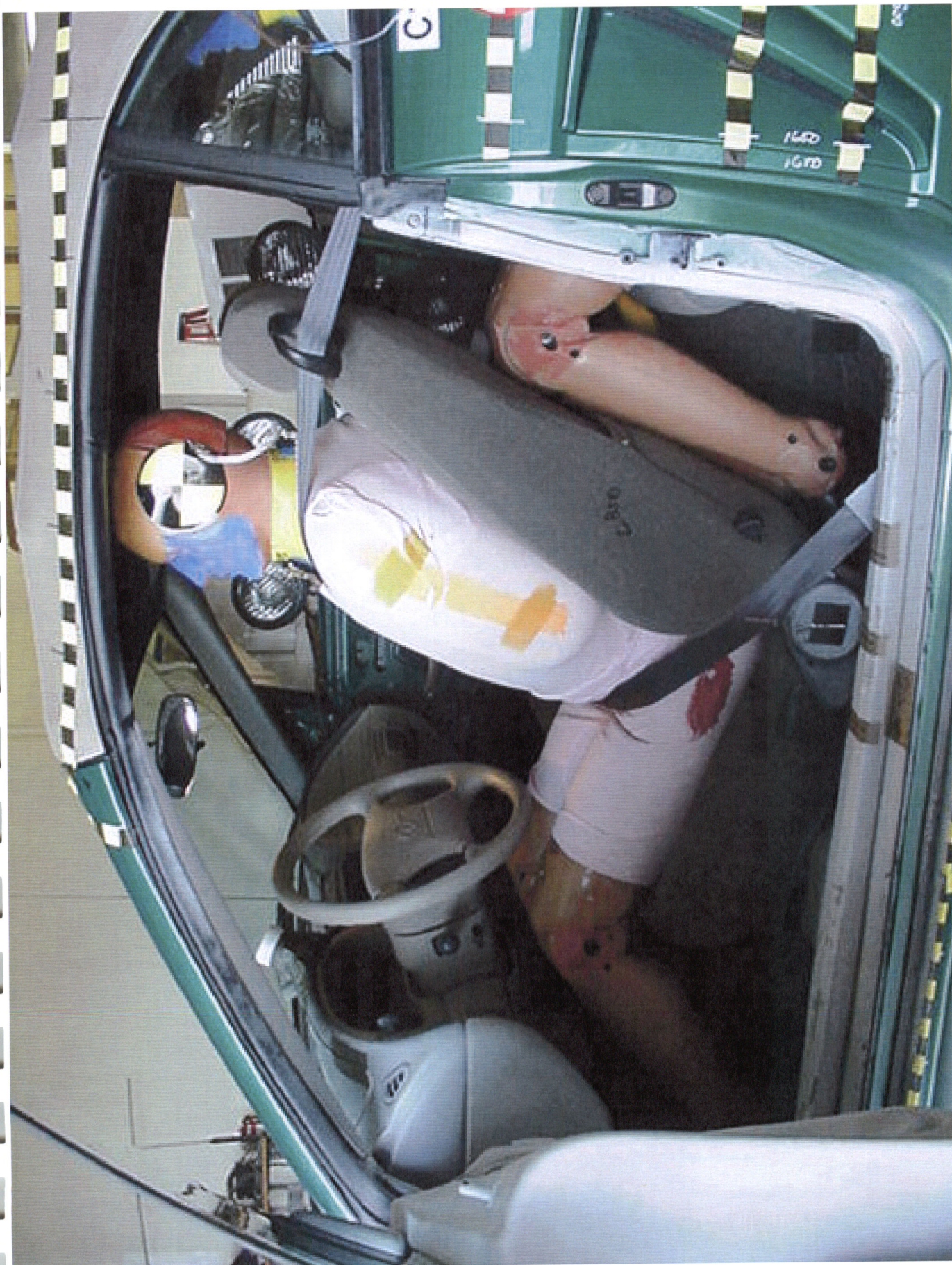


Figure A-21 PRE-TEST LEFT OCCUPANT COMPARTMENT VIEW OF FRONT SID



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

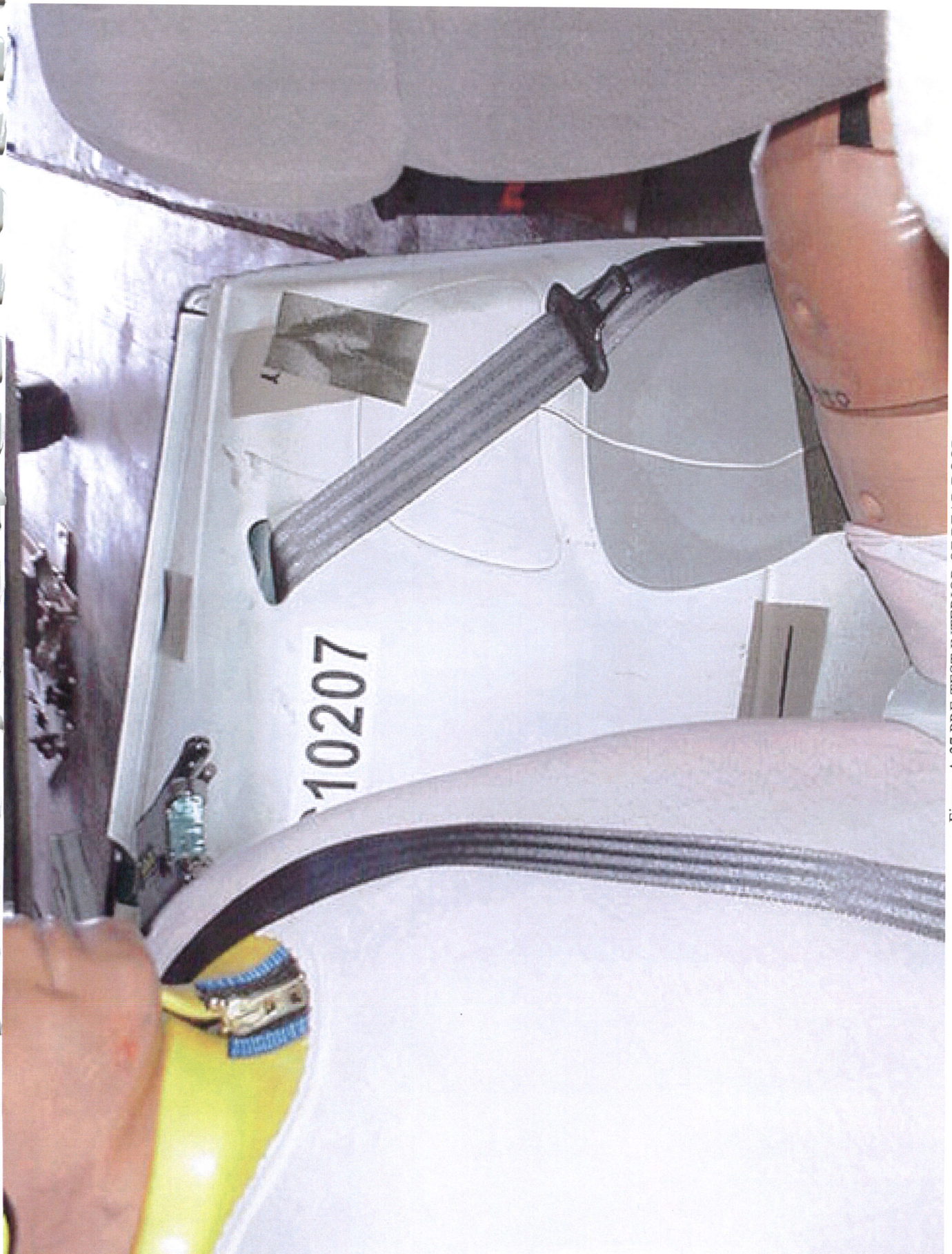


Figure A-27 PRE-TEST INTERIOR OF REAR DOOR



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

MUSTANG		RECOMMENDED TIRE SIZE and INFLATION PRESSURE (COLD) RECOMMANDÉES DES PNEUS et PRESSIONS DE GONFLAGE (À FROID)			
TIRE SIZE DIMENSIONS DES PNEUS		TIRE PRESSURE PRESSION DES PNEUS		TIRE PRESSURE PRESSION DES PNEUS	
P205/65R15 92T*		FRONT 240 kPa	AVANT lb/ps ² 35 PSI	REAR 240 kPa	ARRIÈRE lb/ps ² 35 PSI
P225/55R16 94T*		240 kPa	lb/ps ² 35 PSI	240 kPa	lb/ps ² 35 PSI
T125/90R15		415 kPa	lb/ps ² 60 PSI	415 kPa	lb/ps ² 35 PSI
TEMPORAL SPARE/PNEU PROVISOIRE		*MUST BE REPLACED WITH AN EQUIVALENT TYPE SPEED RATED TIRE. *NE REMPLACER QUE PAR UN PNEU DONT L'INDICE DE VITESSE EST LE MÊME.			
TOTAL LOAD = OCCUPANTS PLUS LUGGAGE		CHARGE GLOBALE = OCCUPANTS PLUS BAGAGES			
MAXIMUM LOAD CHARGE MAXIMALE		OCCUPANTS OCCUPANTS		DISTRIBUTION RÉPARTITION	
317 kg/700 lb		4		FRONT 2	REAR 2
FOR SUSTAINED HIGH SPEED, TRAILER TOWING, RECREATIONAL ACCESSORIES AND TEMPORAL SPARE USAGE - SEE OWNER GUIDE.		LUGGAGE 45 kg/100lb		BAGAGES	
HAUTES VITESSES SOUTENUES, REMORQUES, ACCESSOIRES DE PLAISANCE ET PNEU DE SECOURS PROVISOIRE: CONSULTER LE GUIDE DU PROPRIÉTAIRE.		V XR33-1532-AA			

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

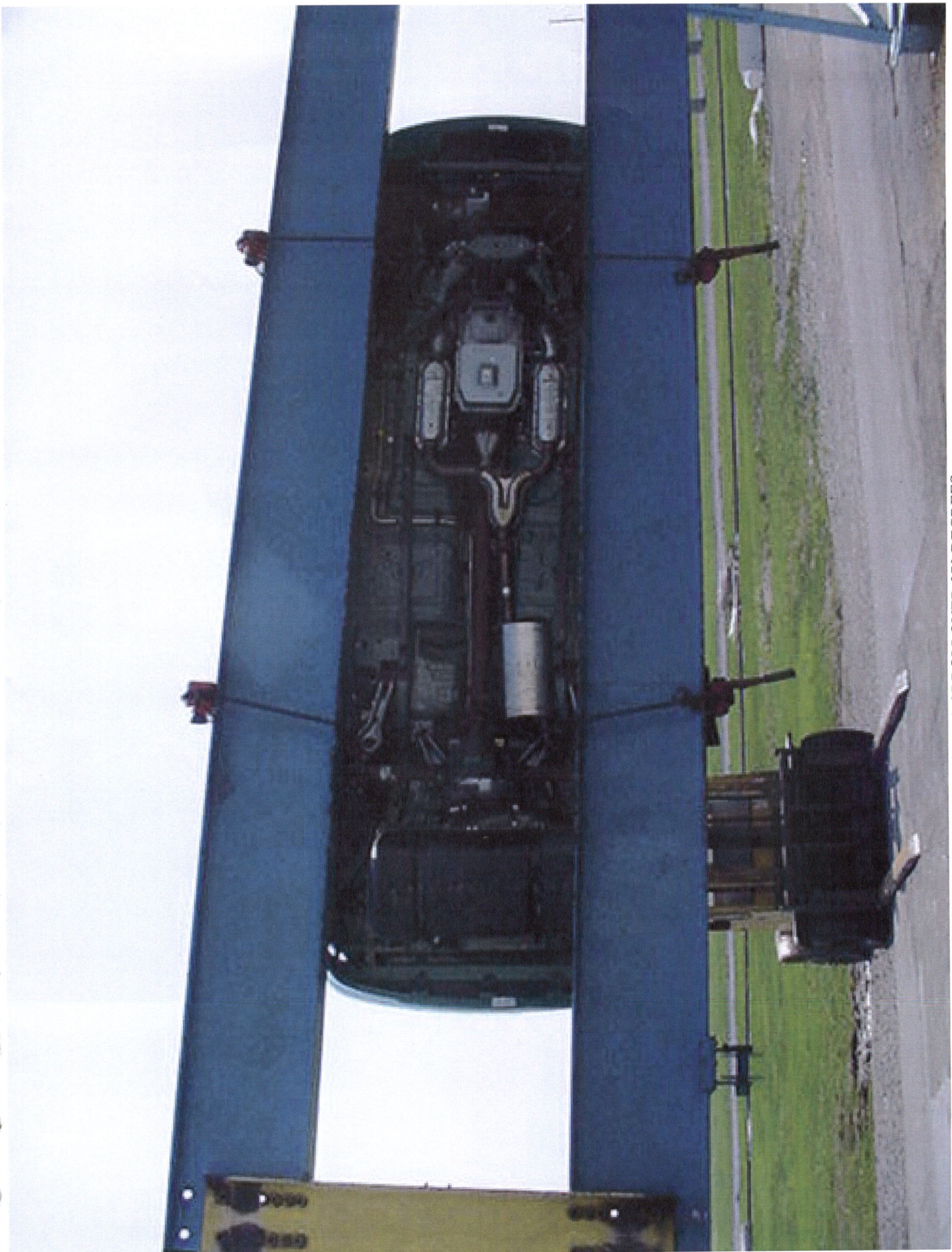


Figure A-37 ROLLOVER 270 DEGREES



Figure A-38 ROLLOVER 360 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 HEAD (X) ACCELERATION VS TIME	B- 6
2	DRIVER HEAD (X) VELOCITY VS TIME	B- 7
3	DRIVER HEAD (Y) ACCELERATION VS TIME	B- 8
4	DRIVER HEAD (Y) VELOCITY VS TIME	B- 9
5	DRIVER HEAD (Z) ACCELERATION VS TIME	B- 10
6	DRIVER HEAD (Z) VELOCITY VS TIME	B- 11
7	DRIVER HEAD RESULTANT VS TIME	B- 12
8	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 13
9	DRIVER UPPER RIB (Y) VELOCITY VS TIME	B- 14
10	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 15
11	DRIVER LOWER RIB (Y) VELOCITY VS TIME	B- 16
12	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 17
13	DRIVER LOWER SPINE (Y) VELOCITY VS TIME	B- 18
14	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 19
15	DRIVER PELVIC (Y) VELOCITY VS TIME	B- 20
16	PASSENGER HEAD (X) ACCELERATION VS TIME	B- 21
17	PASSENGER HEAD (X) VELOCITY VS TIME	B- 22
18	PASSENGER HEAD (Y) ACCELERATION VS TIME	B- 23
19	PASSENGER HEAD (Y) VELOCITY VS TIME	B- 24
20	PASSENGER HEAD (Z) ACCELERATION VS TIME	B- 25
21	PASSENGER HEAD (Z) VELOCITY VS TIME	B- 26
22	PASSENGER HEAD RESULTANT VS TIME	B- 27
23	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 28
24	PASSENGER UPPER RIB (Y) VELOCITY VS TIME	B- 29
25	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 30
26	PASSENGER LOWER RIB (Y) VELOCITY VS TIME	B- 31
27	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 32
28	PASSENGER LOWER SPINE (Y) VELOCITY VS TIME	B- 33
29	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 34
30	PASSENGER PELVIC (Y) VELOCITY VS TIME	B- 35

DRIVER & PASSENGER DUMMY INSTRUMENTATION PLOTS ACCELERATION DATA - FIR FILTERED

<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
31	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 36
32	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 37
33	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 38
34	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 39
35	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 40
36	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 41
37	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 42
38	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 43

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>
39	RIGHT SIDE SILL AT FRONT SEAT (X) ACCELERATION VS TIME	B- 44
40	RIGHT SIDE SILL AT FRONT SEAT (X) VELOCITY VS TIME	B- 45
41	RIGHT SIDE SILL AT FRONT SEAT (Y) ACCELERATION VS TIME	B- 46
42	RIGHT SIDE SILL AT FRONT SEAT (Y) VELOCITY VS TIME	B- 47
43	RIGHT SIDE SILL AT FRONT SEAT (Z) ACCELERATION VS TIME	B- 48
44	RIGHT SIDE SILL AT FRONT SEAT (Z) VELOCITY VS TIME	B- 49
45	RIGHT SIDE SILL AT FRONT SEAT RESULTANT ACCELERATION VS TIME	B- 50
46	RIGHT SIDE SILL AT REAR SEAT (X) ACCELERATION VS TIME	B- 51
47	RIGHT SIDE SILL AT REAR SEAT (X) VELOCITY VS TIME	B- 52
48	RIGHT SIDE SILL AT REAR SEAT (Y) ACCELERATION VS TIME	B- 53
49	RIGHT SIDE SILL AT REAR SEAT (Y) VELOCITY VS TIME	B- 54
50	RIGHT SIDE SILL AT REAR SEAT (Z) ACCELERATION VS TIME	B- 55
51	RIGHT SIDE SILL AT REAR SEAT (Z) VELOCITY VS TIME	B- 56
52	RIGHT SIDE SILL AT REAR SEAT RESULTANT ACCELERATION VS TIME	B- 57
53	REAR FLOORPAN ABOVE AXLE (X) ACCELERATION VS TIME	B- 58
54	REAR FLOORPAN ABOVE AXLE (X) VELOCITY VS TIME	B- 59
55	REAR FLOORPAN ABOVE AXLE (Y) ACCELERATION VS TIME	B- 60
56	REAR FLOORPAN ABOVE AXLE (Y) VELOCITY VS TIME	B- 61
57	REAR FLOORPAN ABOVE AXLE (Z) ACCELERATION VS TIME	B- 62
58	REAR FLOORPAN ABOVE AXLE (Z) VELOCITY VS TIME	B- 63
59	REAR FLOORPAN ABOVE AXLE RESULTANT ACCELERATION VS TIME	B- 64
60	LEFT SIDE SILL AT REAR SEAT (Y) ACCELERATION VS TIME	B- 65
61	LEFT SIDE SILL AT REAR SEAT (Y) VELOCITY VS TIME	B- 66
62	LEFT SIDE SILL AT FRONT SEAT (Y) ACCELERATION VS TIME	B- 67
63	LEFT SIDE SILL AT FRONT SEAT (Y) VELOCITY VS TIME	B- 68
64	RIGHT REAR OCCUPANT COMPARTMENT (Y) ACCELERATION VS TIME	B- 69
65	RIGHT REAR OCCUPANT COMPARTMENT (Y) VELOCITY VS TIME	B- 70
66	LOWER B-POST (Y) ACCELERATION VS TIME	B- 71
67	LOWER B-POST (Y) VELOCITY VS TIME	B- 72
68	UPPER B-POST (Y) ACCELERATION VS TIME	B- 73
69	UPPER B-POST (Y) VELOCITY VS TIME	B- 74
70	LOWER A-POST (Y) ACCELERATION VS TIME	B- 75
71	LOWER A-POST (Y) VELOCITY VS TIME	B- 76
72	UPPER A-POST (Y) ACCELERATION VS TIME	B- 77
73	UPPER A-POST (Y) VELOCITY VS TIME	B- 78
74	FRONT SEAT TRACK (Y) ACCELERATION VS TIME	B- 79
75	FRONT SEAT TRACK (Y) VELOCITY VS TIME	B- 80
76	REAR SEAT TRACK (Y) ACCELERATION VS TIME	B- 81
77	REAR SEAT TRACK (Y) VELOCITY VS TIME	B- 82

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>
78	VEHICLE CENTER OF GRAVITY (X) ACCELERATION VS TIME	B- 83
79	VEHICLE CENTER OF GRAVITY (X) VELOCITY VS TIME	B- 84
80	VEHICLE CENTER OF GRAVITY (Y) ACCELERATION VS TIME	B- 85
81	VEHICLE CENTER OF GRAVITY (Y) VELOCITY ACCELERATION VS TIME	B- 86
82	VEHICLE CENTER OF GRAVITY (Z) ACCELERATION VS TIME	B- 87
83	VEHICLE CENTER OF GRAVITY (Z) VELOCITY VS TIME	B- 88
84	VEHICLE CENTER OF GRAVITY RESULTANT ACCELERATION VS TIME	B- 89

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>
85	MDB CENTER OF GRAVITY (X) ACCELERATION VS TIME	B- 90
86	MDB CENTER OF GRAVITY (X) VELOCITY VS TIME	B- 91
87	MDB CENTER OF GRAVITY (Y) ACCELERATION VS TIME	B- 92
88	MDB CENTER OF GRAVITY (Y) VELOCITY VS TIME	B- 93
89	MDB CENTER OF GRAVITY (Z) ACCELERATION VS TIME	B- 94
90	MDB CENTER OF GRAVITY (Z) VELOCITY VS TIME	B- 95
91	MDB CENTER OF GRAVITY RESULTANT ACCELERATION VS TIME	B- 96
92	MDB REAR (X) ACCELERATION VS TIME	B- 97
93	MDB REAR (X) VELOCITY VS TIME	B- 98
94	MDB REAR (Y) ACCELERATION VS TIME	B- 99
95	MDB REAR (Y) VELOCITY VS TIME	B- 100

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>
96	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 101
97	DRIVER UPPER RIB (Y) VELOCITY VS TIME	B- 102
98	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 103
99	DRIVER LOWER RIB (Y) VELOCITY VS TIME	B- 104
100	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 105
101	DRIVER LOWER SPINE (Y) VELOCITY VS TIME	B- 106
102	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 107
103	DRIVER PELVIC (Y) VELOCITY VS TIME	B- 108
104	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 109
105	PASSENGER UPPER RIB (Y) VELOCITY VS TIME	B- 110
106	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 111
107	PASSENGER LOWER RIB (Y) VELOCITY VS TIME	B- 112
108	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 113
109	PASSENGER LOWER SPINE (Y) VELOCITY VS TIME	B- 114
110	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 115
111	PASSENGER PELVIC (Y) VELOCITY VS TIME	B- 116

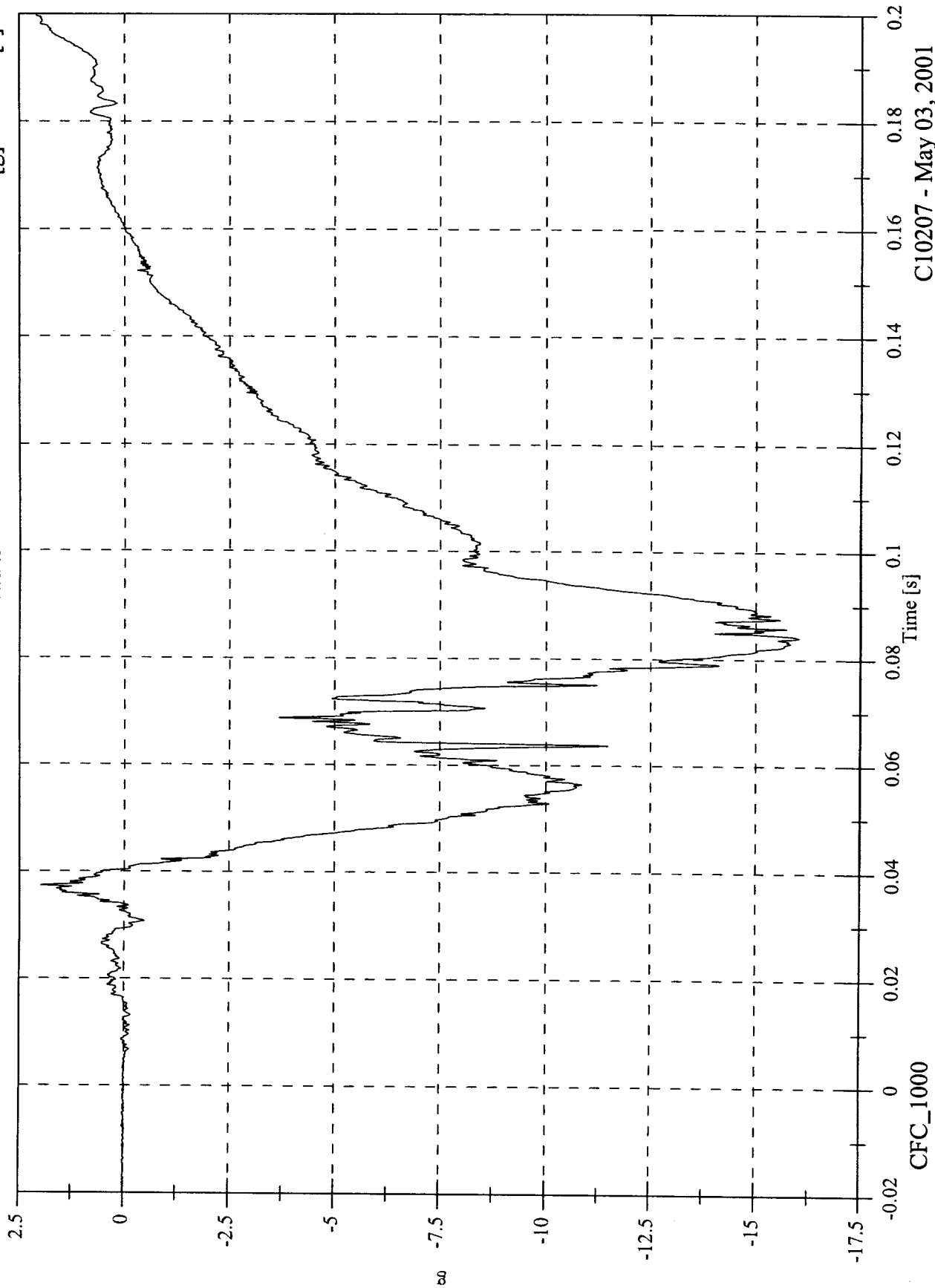
DRIVER & PASSENGER DUMMY INSTRUMENTATION PLOTS (REDUNDANT)
ACCELERATION DATA - FIR FILTERED

<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
112	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 117
113	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 118
114	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 119
115	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 120
116	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 121
117	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 122
118	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 123
119	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 124

FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Head x

Max: 2.1 [g] at 0.200 [s]
Min: -16.0 [g] at 0.084 [s]

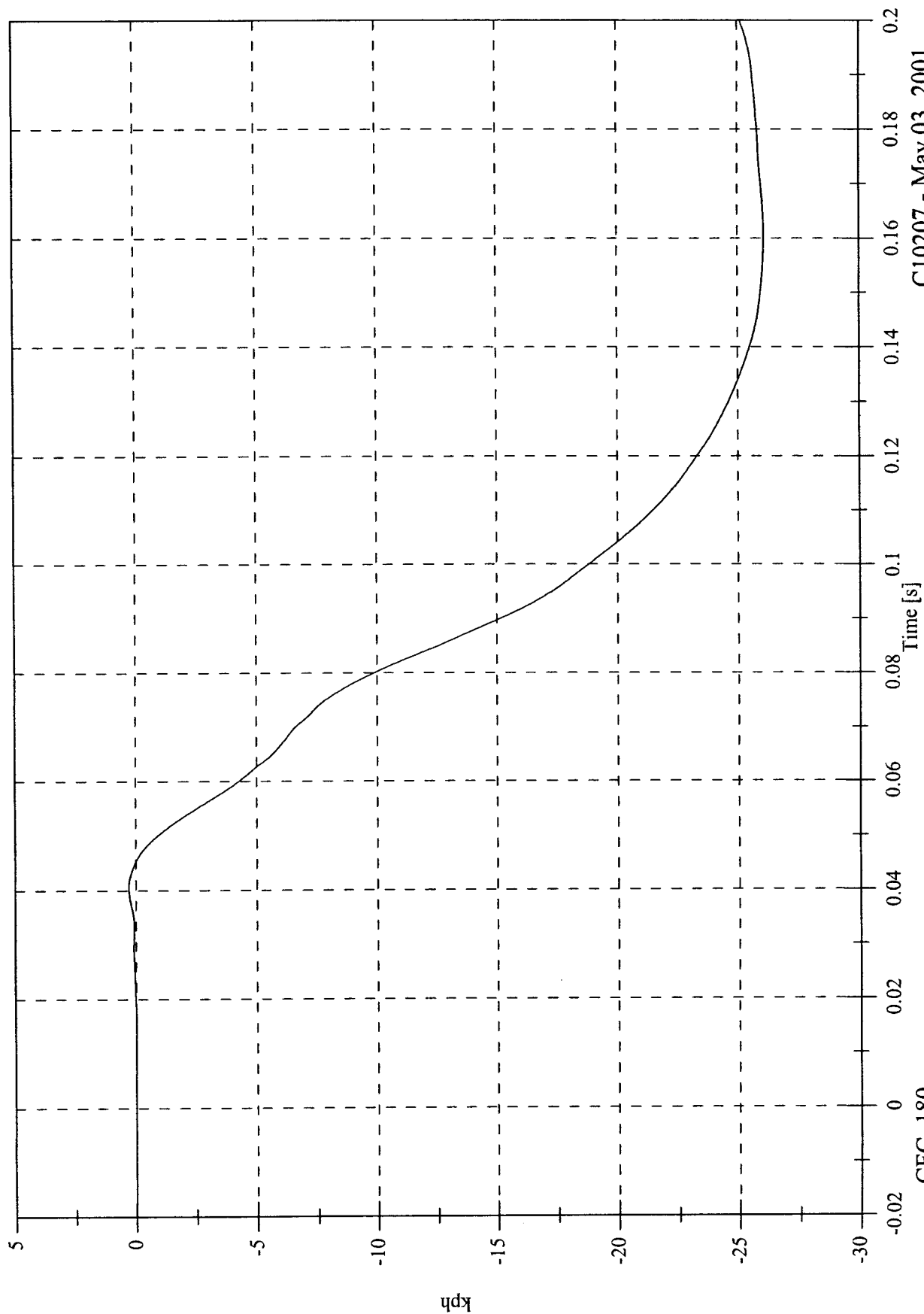


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 0.3 [kph] at 0.041 [s]
Min: -26.1 [kph] at 0.160 [s]

P1 Head x Velocity

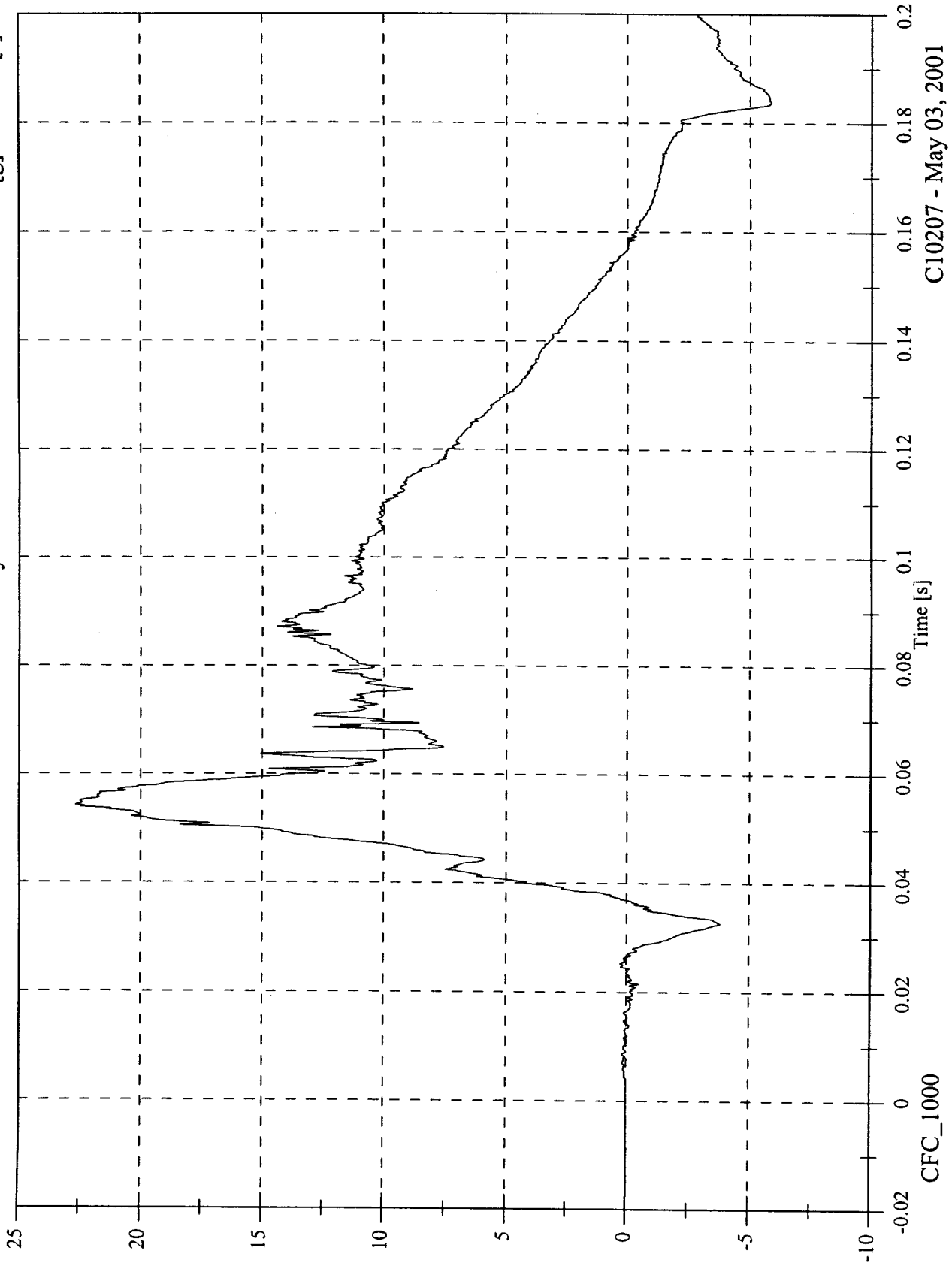


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 22.7 [g] at 0.054 [s]
Min: -5.9 [g] at 0.184 [s]

P1 Head y

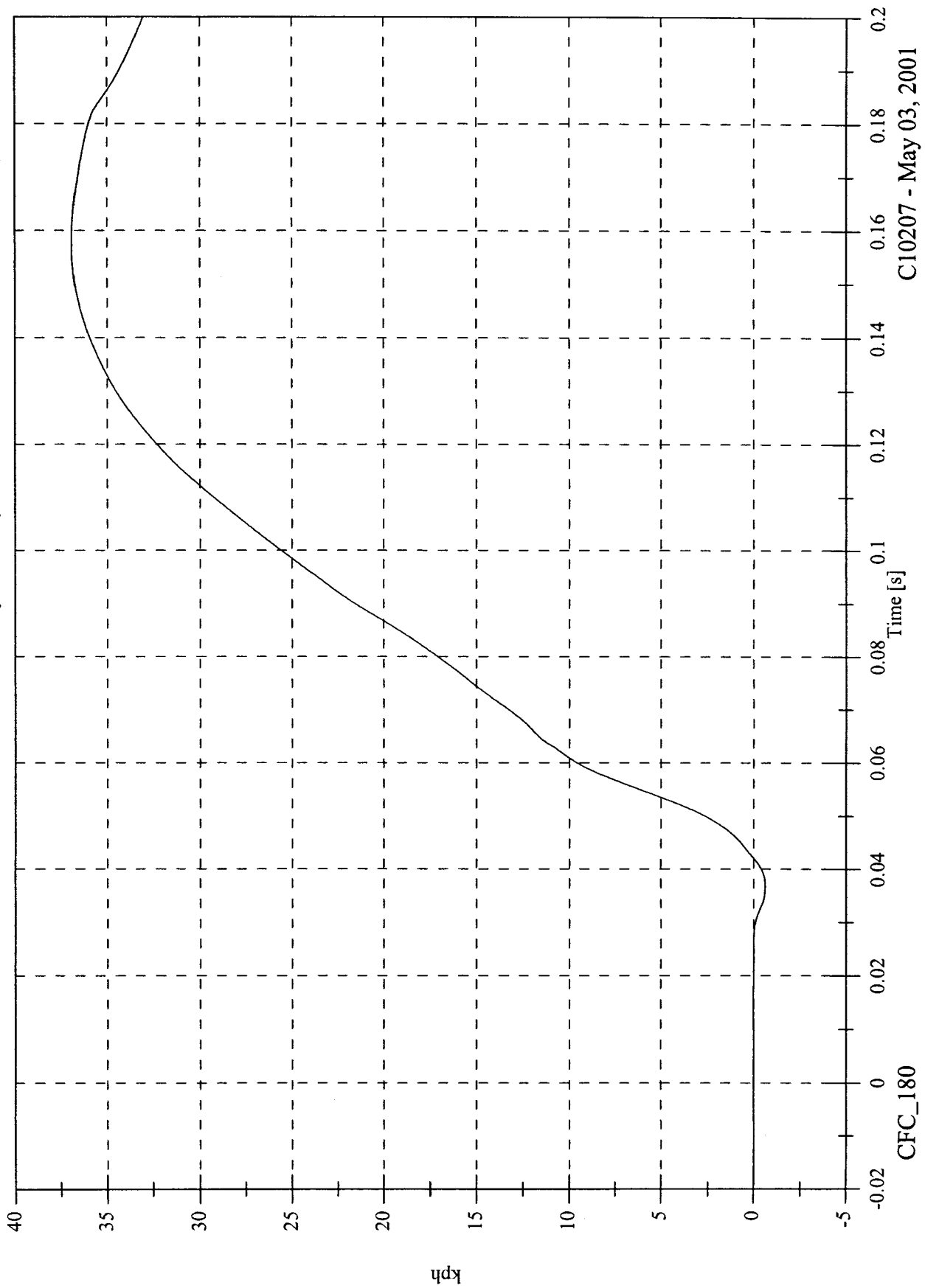


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 36.9 [kph] at 0.157 [s]
Min: -0.6 [kph] at 0.037 [s]

P1 Head y Velocity

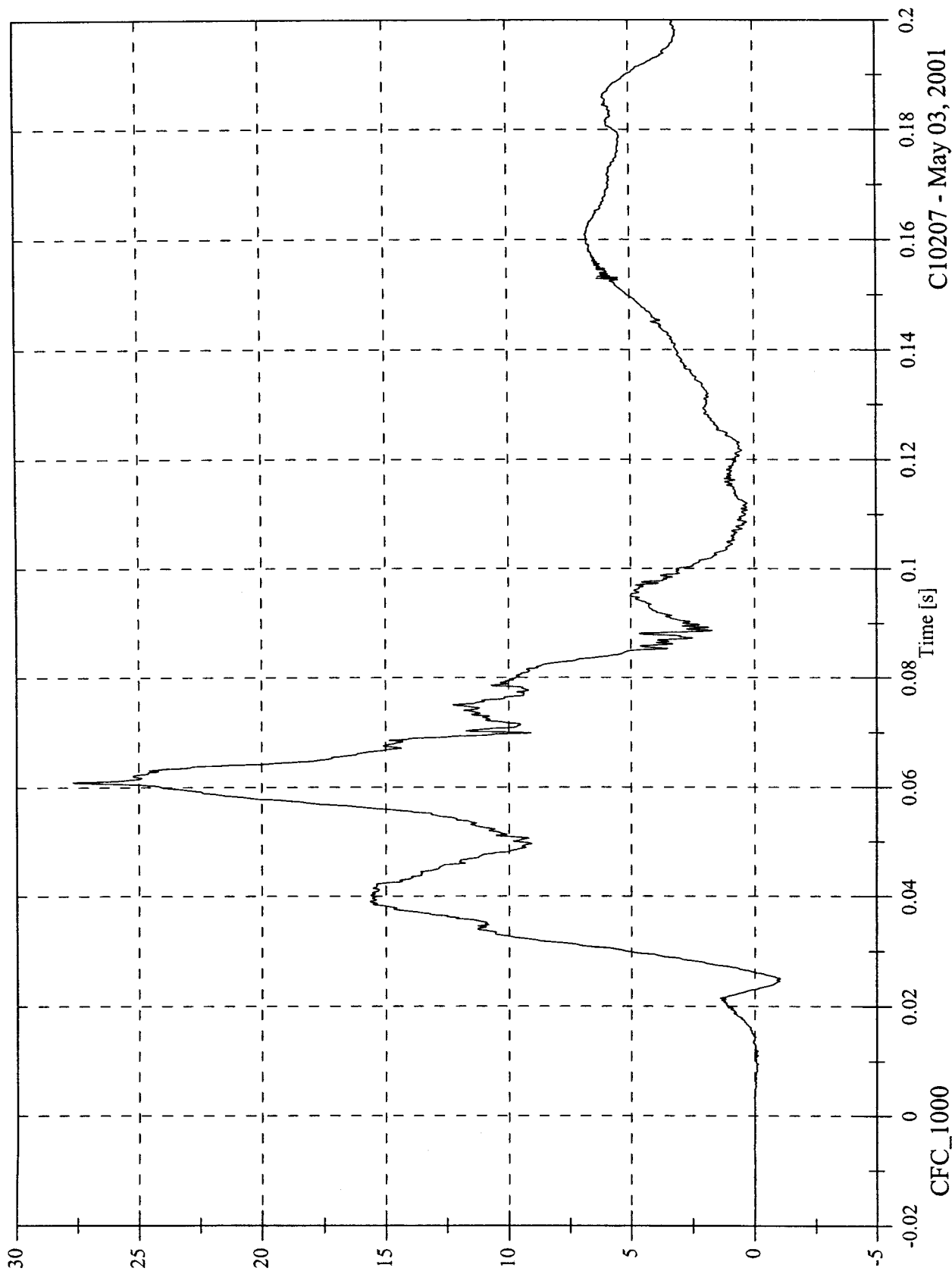


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 27.7 [g] at 0.061 [s]
 Min: -1.1 [g] at 0.025 [s]

P1 Head z

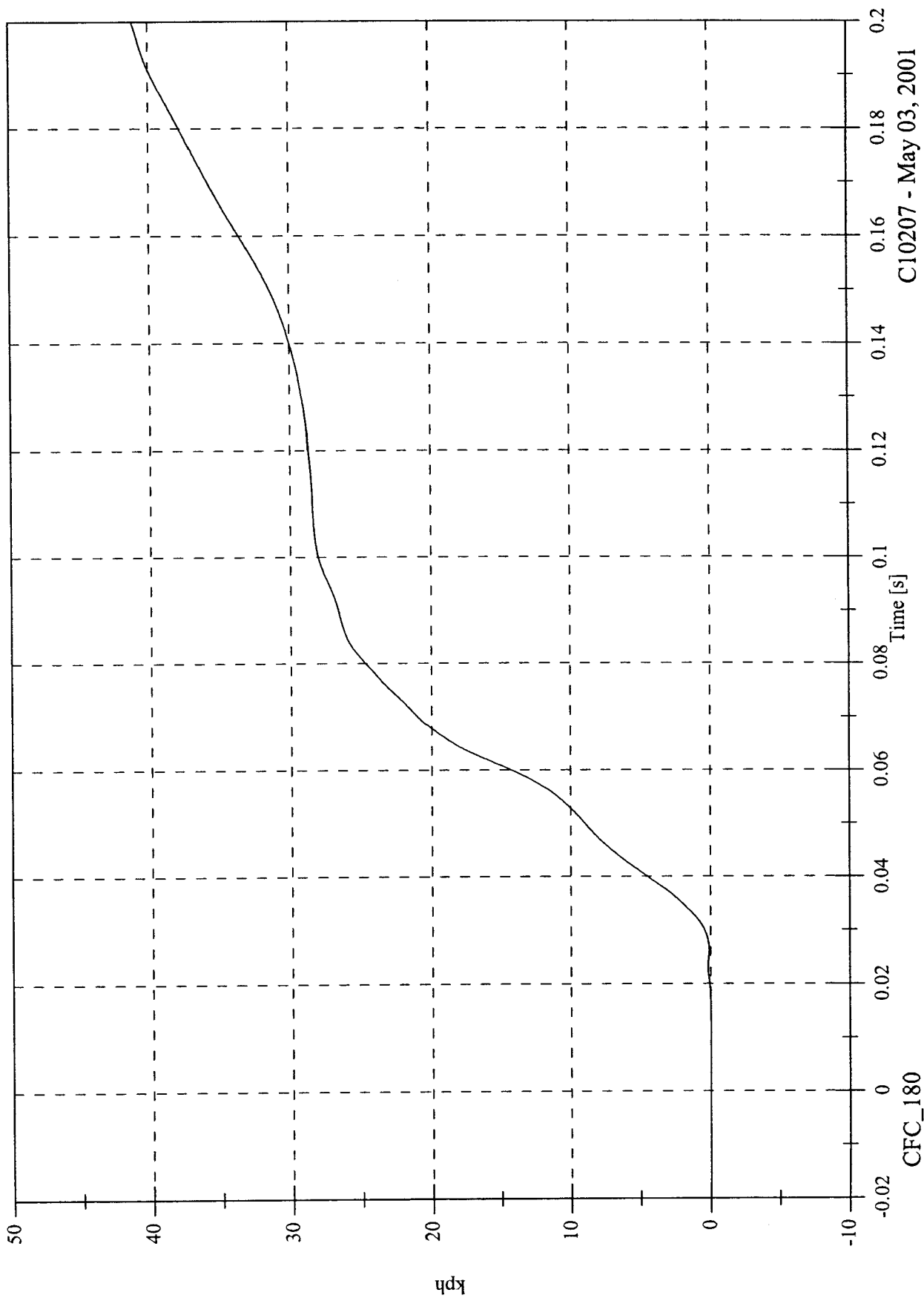


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 41.1 [kph] at 0.200 [s]
Min: -0.0 [kph] at 0.013 [s]

P1 Head z Velocity

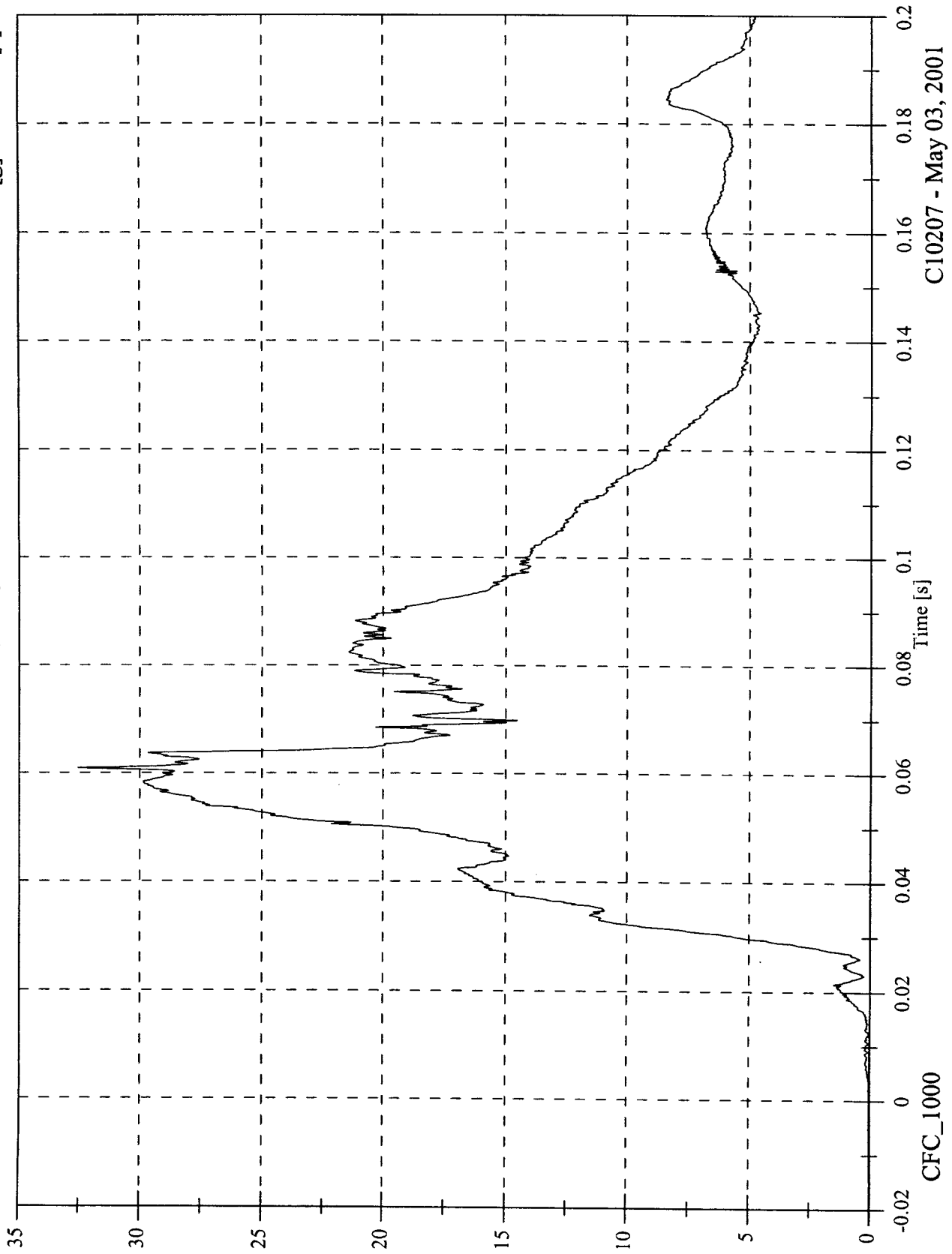


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 32.6 [g] at 0.061 [s]
Min: 0.0 [g] at -0.010 [s]

P1 Head Resultant



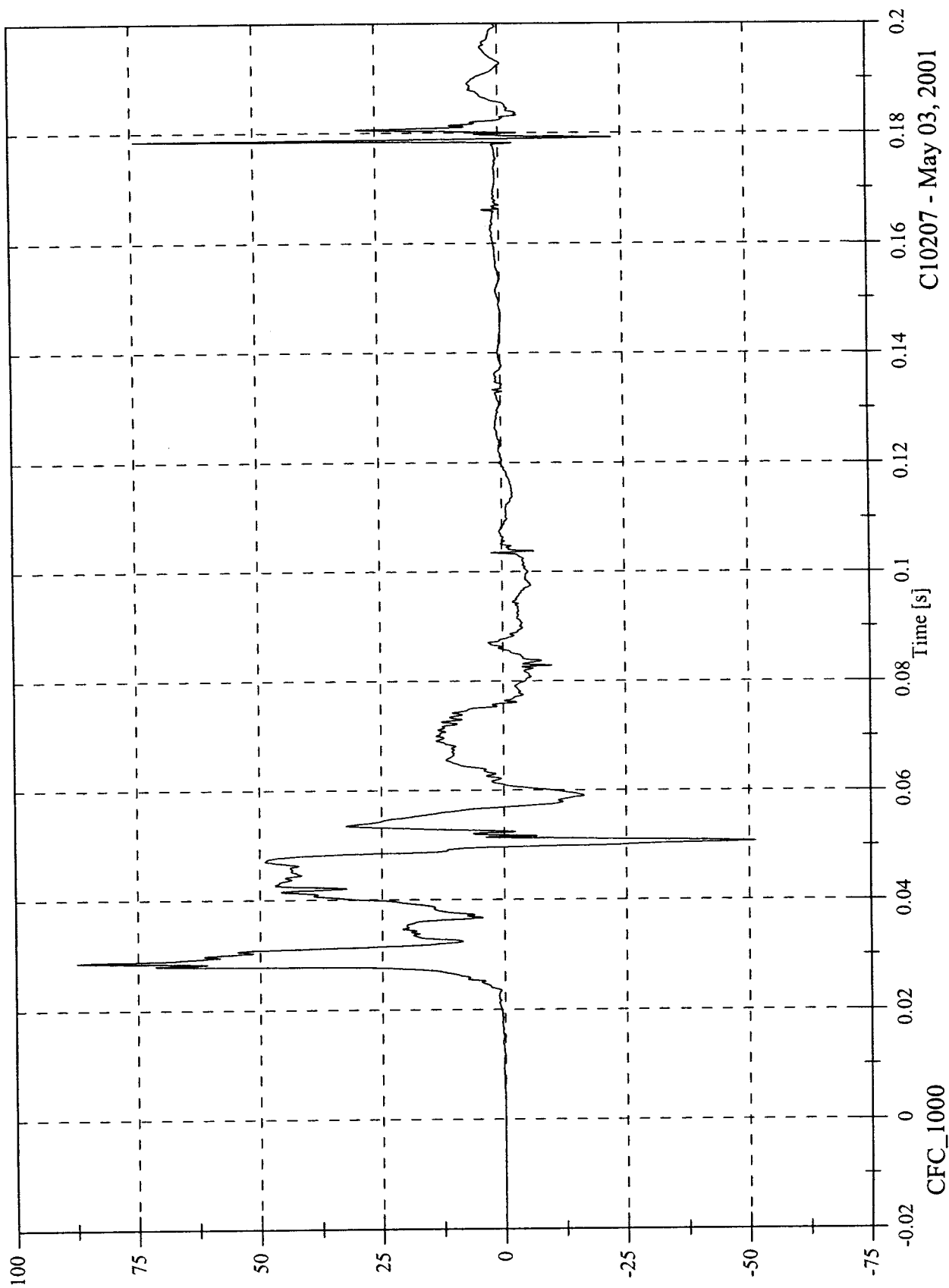
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 87.4 [g] at 0.029 [s]

Min: -51.4 [g] at 0.051 [s]

P1 Upper Rib y

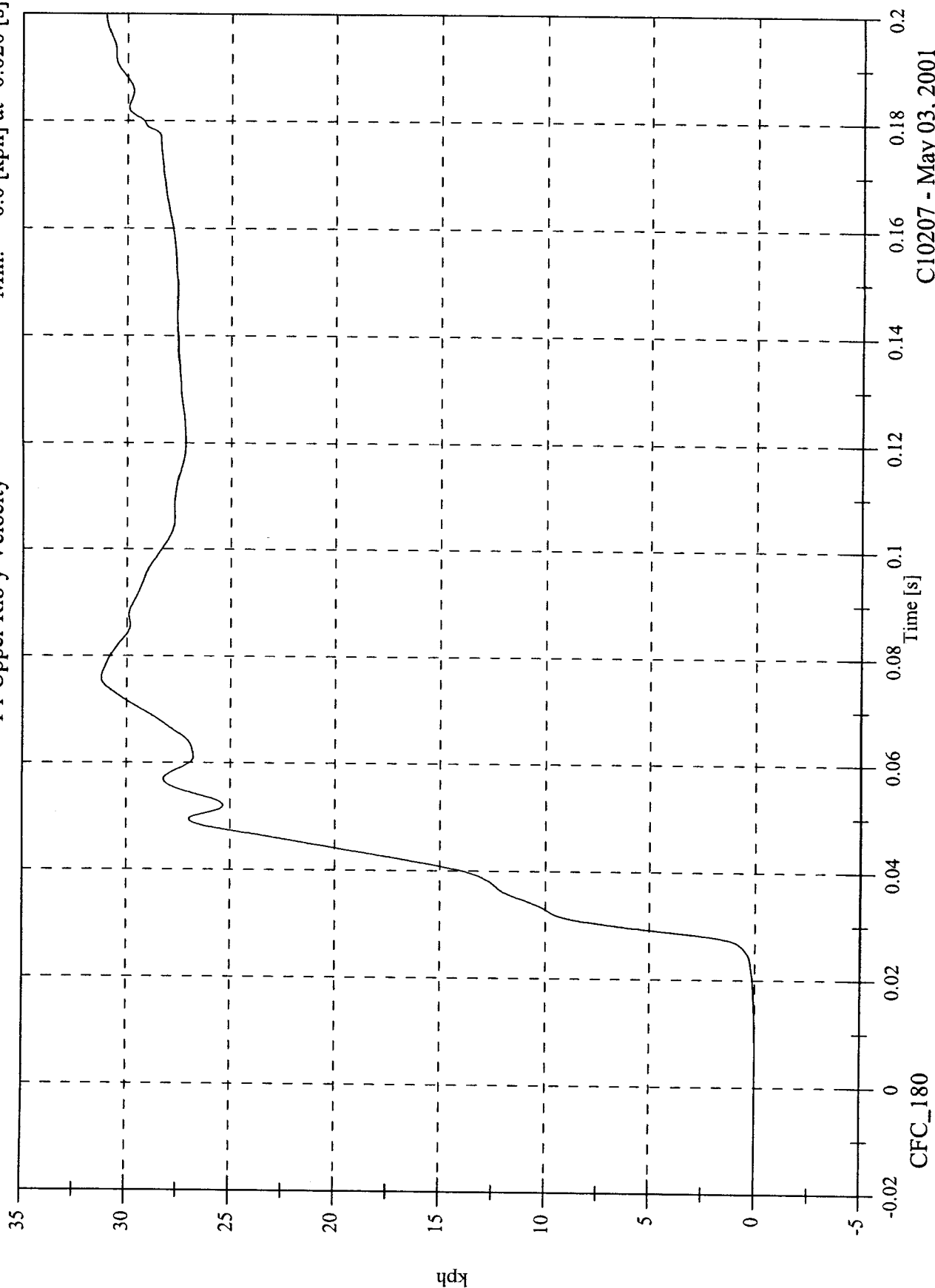


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 31.2 [kph] at 0.076 [s]
Min: -0.0 [kph] at -0.020 [s]

P1 Upper Rib y Velocity

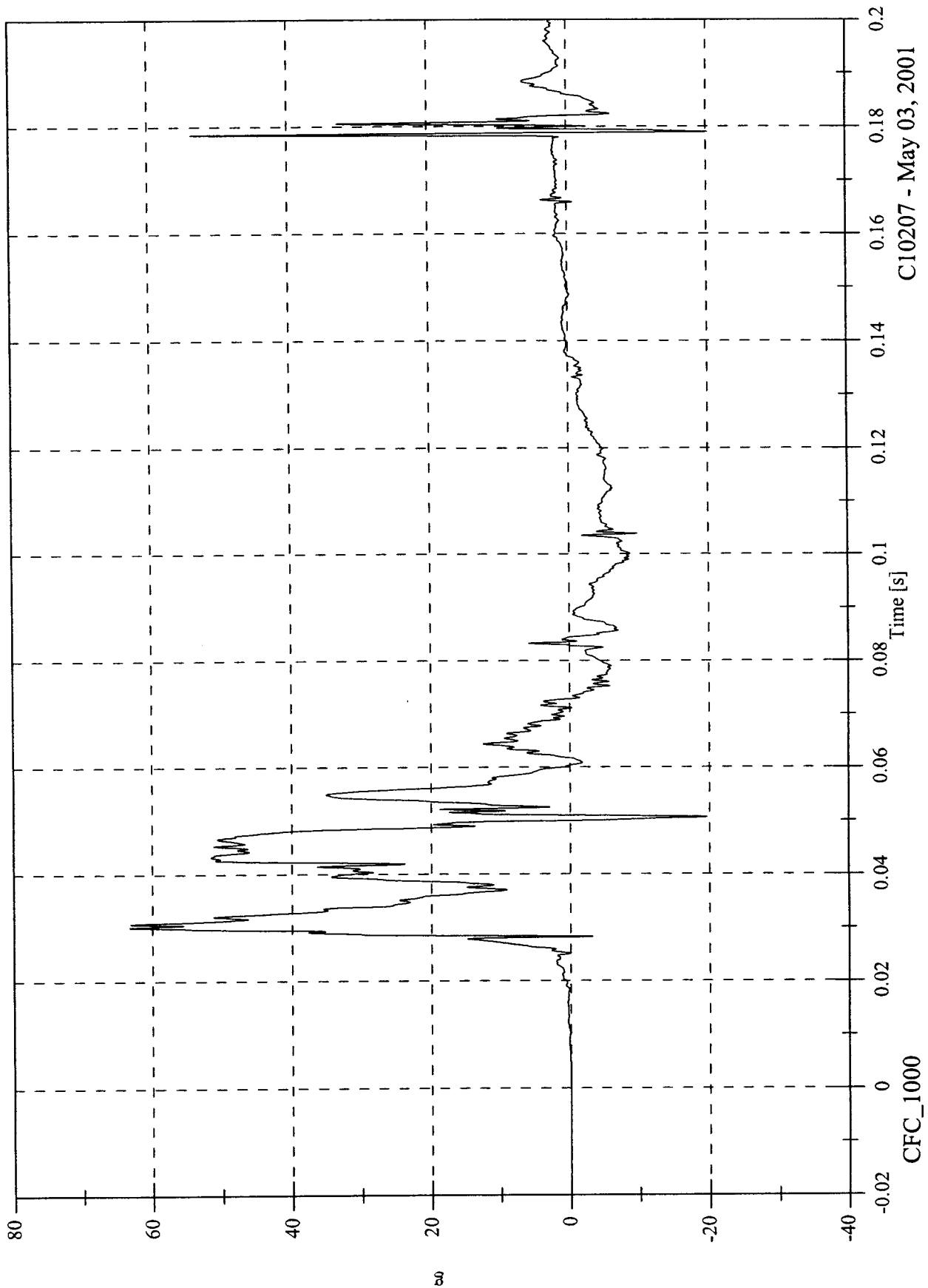


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 63.3 [g] at 0.030 [s]
Min: -20.3 [g] at 0.179 [s]

P1 Lower Rib y

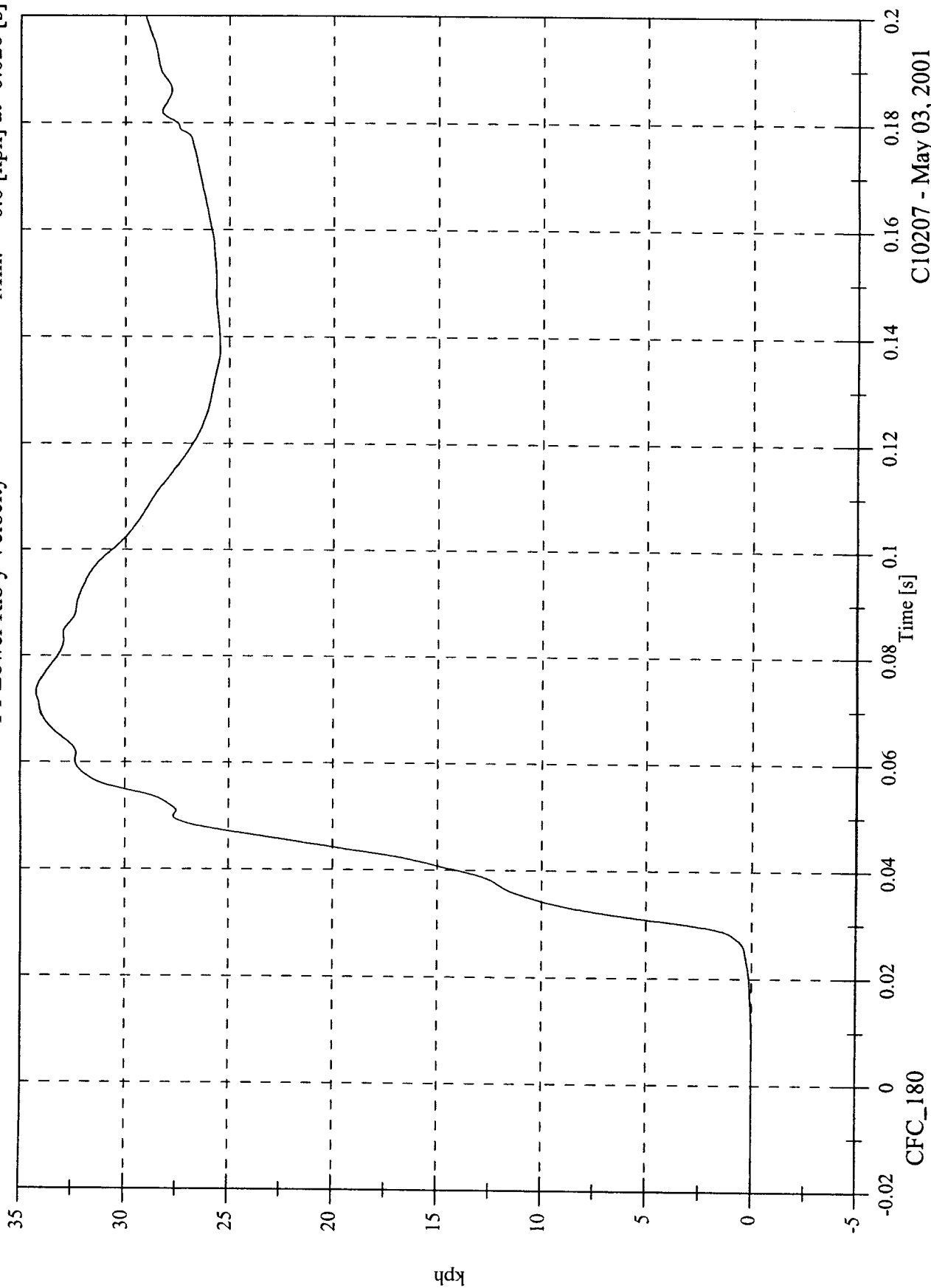


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 34.3 [kph] at 0.073 [s]
Min: -0.0 [kph] at -0.020 [s]

P1 Lower Rib y Velocity

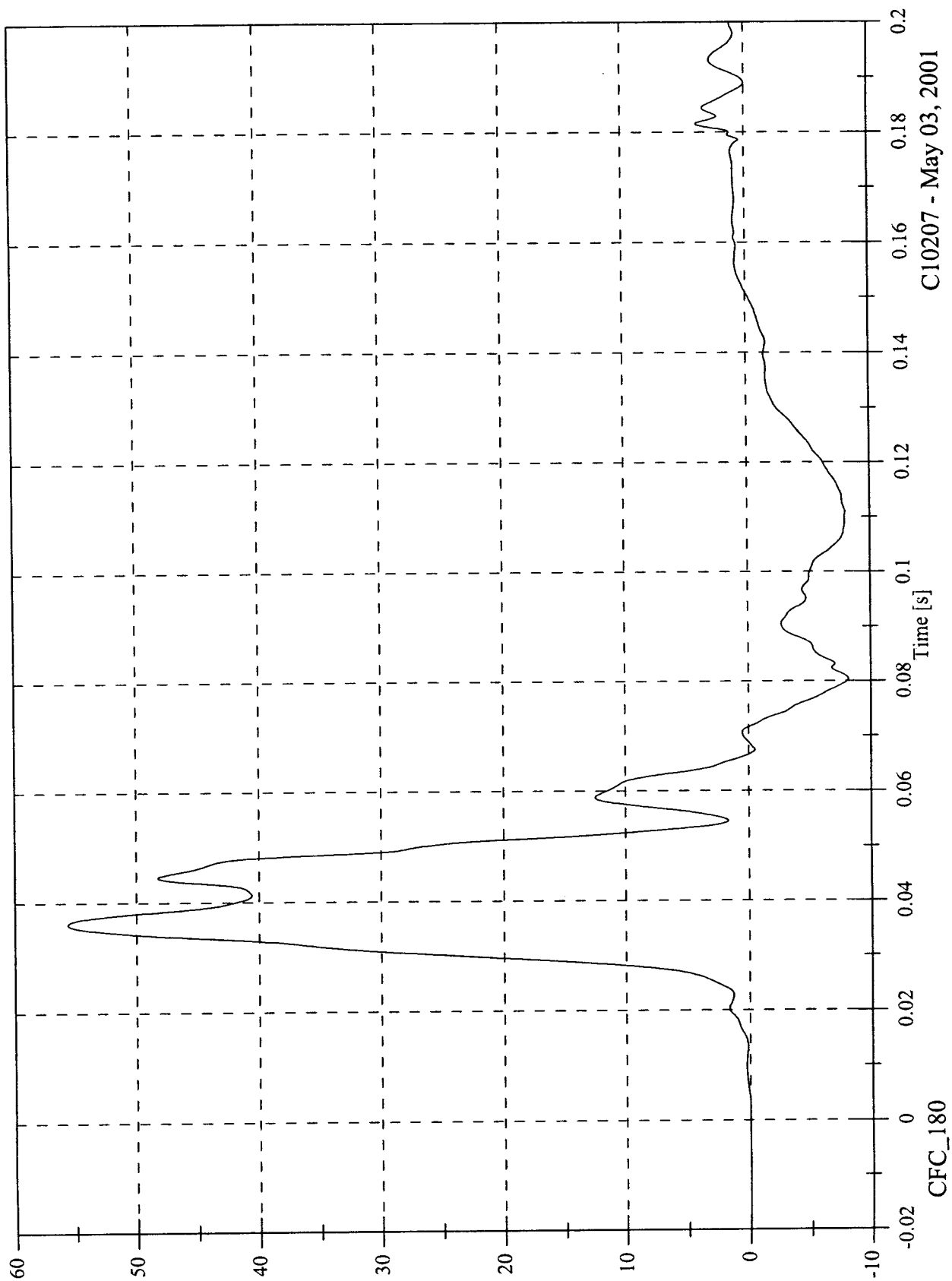


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Lower Spine y

Max: 55.7 [g] at 0.036 [s]
Min: -8.2 [g] at 0.080 [s]

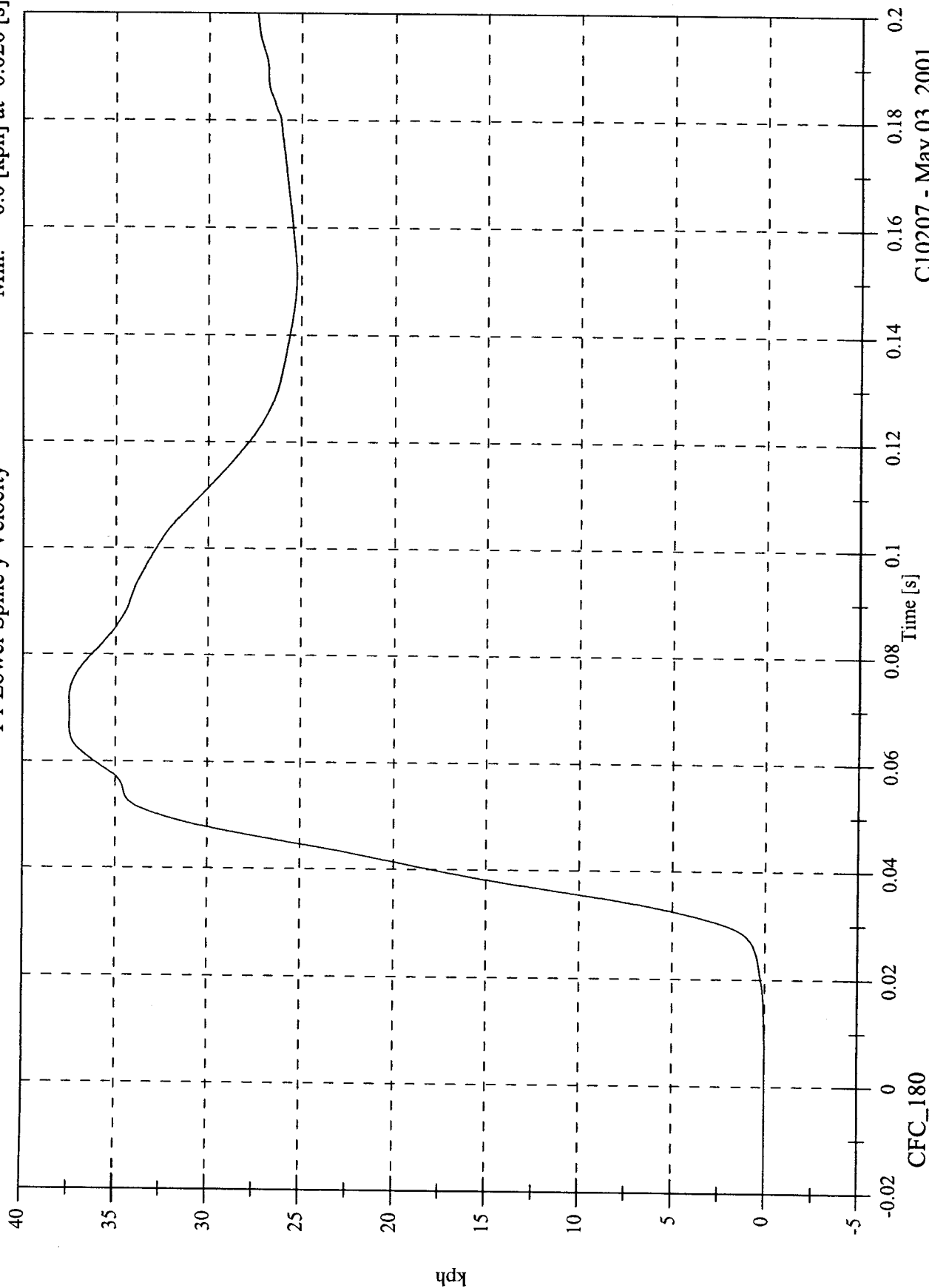


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 37.5 [kph] at 0.072 [s]
Min: -0.0 [kph] at -0.020 [s]

P1 Lower Spine y Velocity

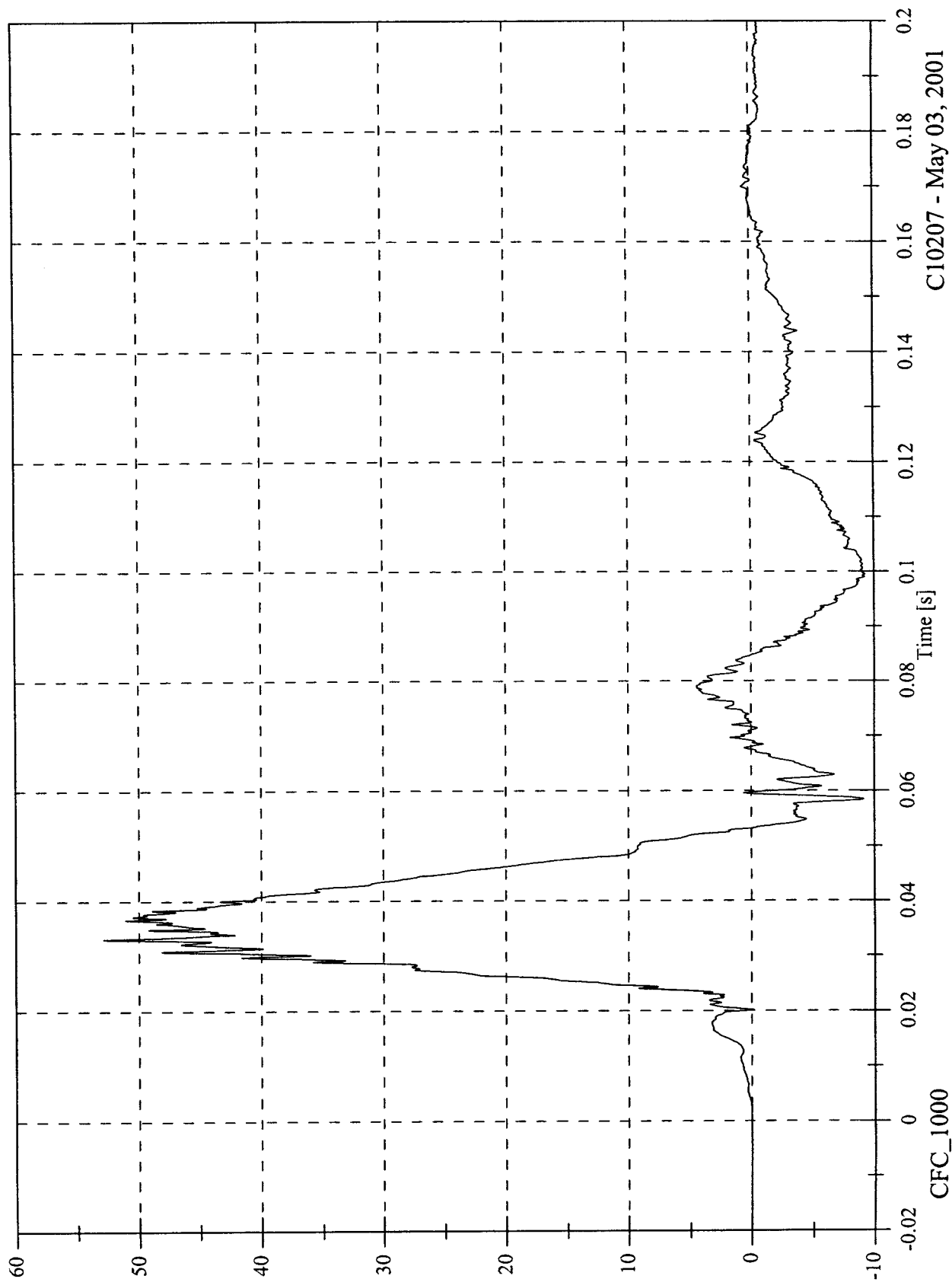


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FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Pelvic y

Max: 52.9 [g] at 0.033 [s]
Min: -9.3 [g] at 0.100 [s]

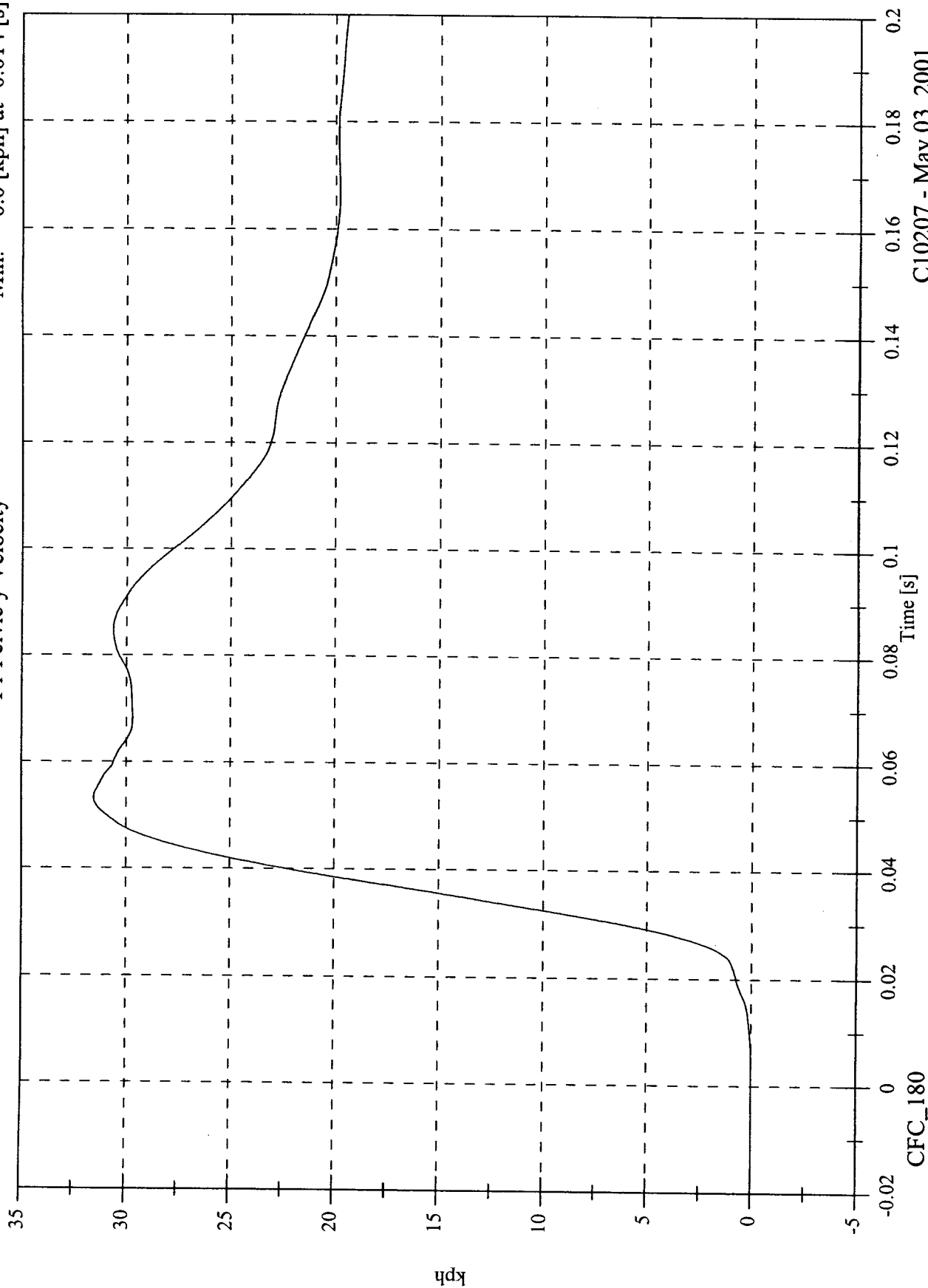


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 31.5 [kph] at 0.053 [s]
Min: -0.0 [kph] at -0.014 [s]

P1 Pelvic y Velocity



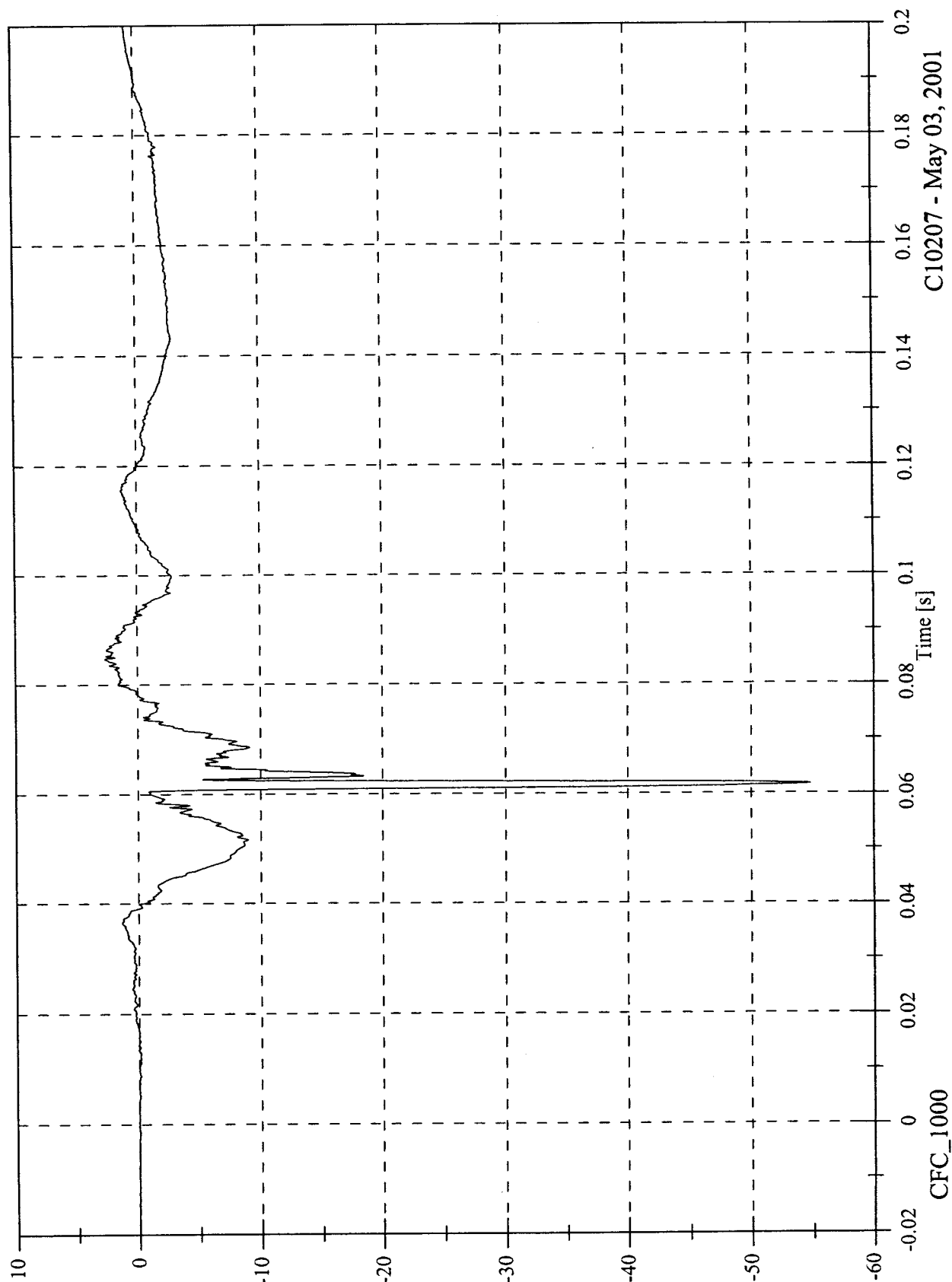
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 2.7 [g] at 0.085 [s]

Min: -54.8 [g] at 0.062 [s]

P4 Head x

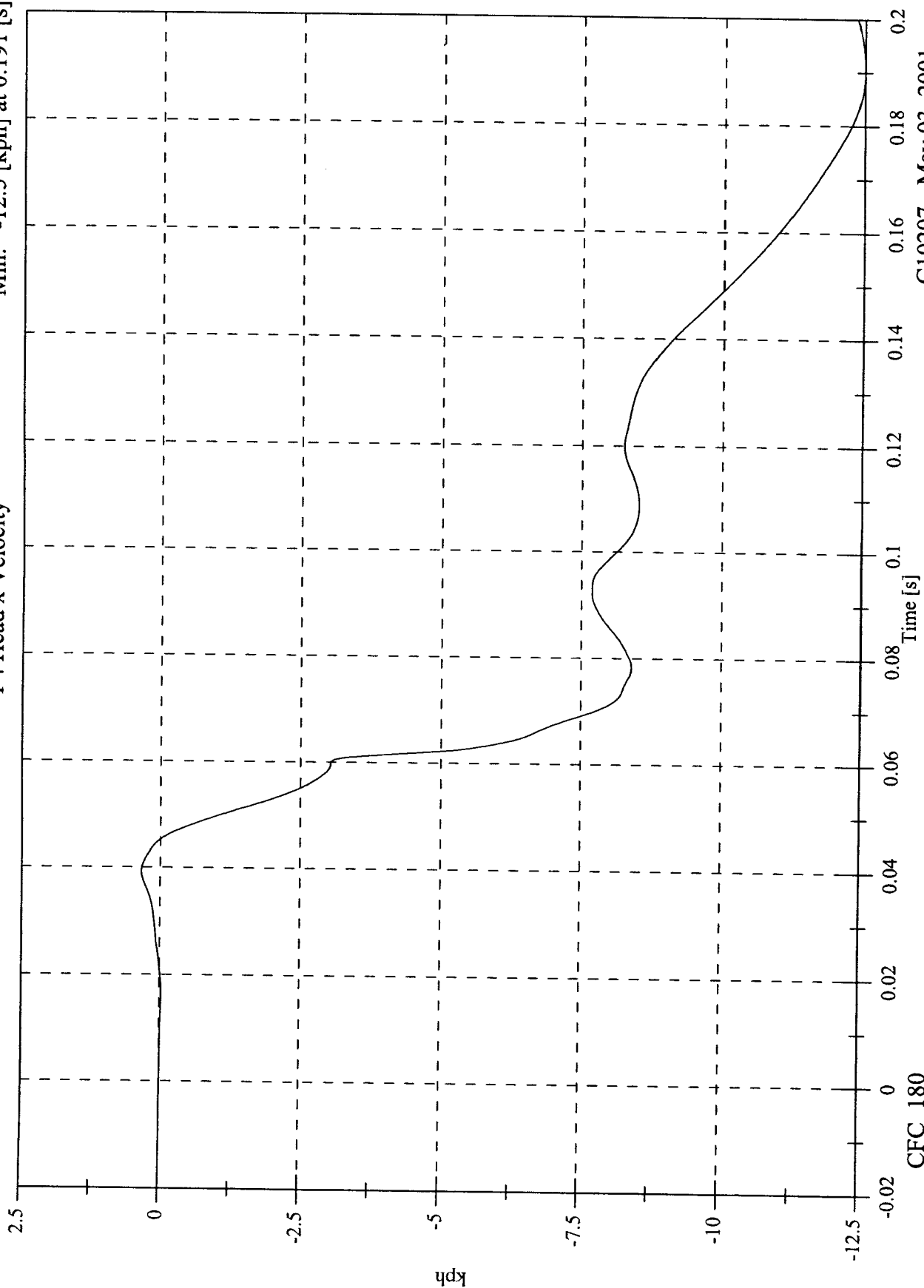


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 0.3 [kph] at 0.039 [s]
Min: -12.5 [kph] at 0.191 [s]

P4 Head x Velocity

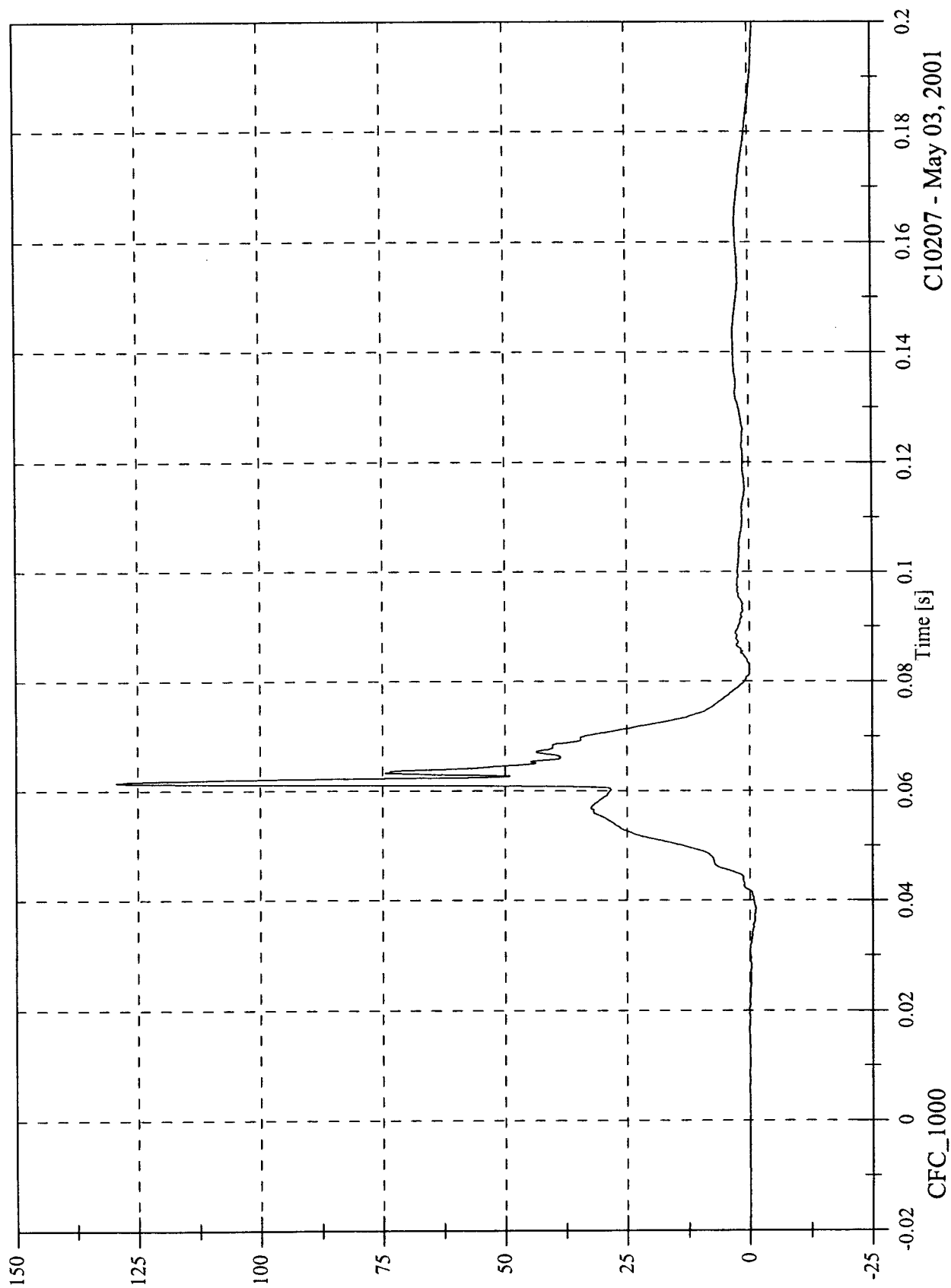


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 129.4 [g] at 0.061 [s]
Min: -1.2 [g] at 0.038 [s]

P4 Head y

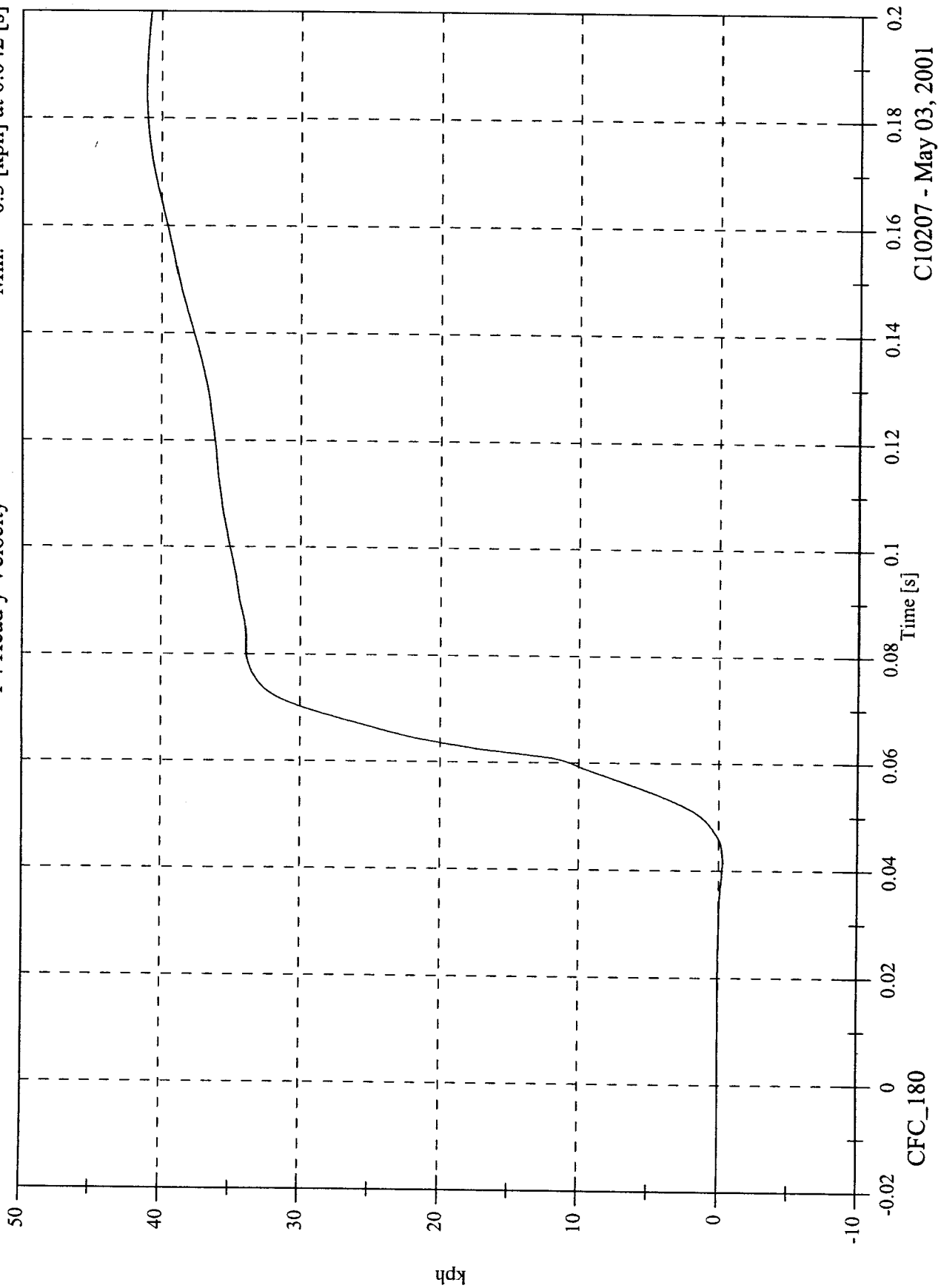


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 41.1 [kph] at 0.185 [s]
Min: -0.3 [kph] at 0.042 [s]

P4 Head y Velocity



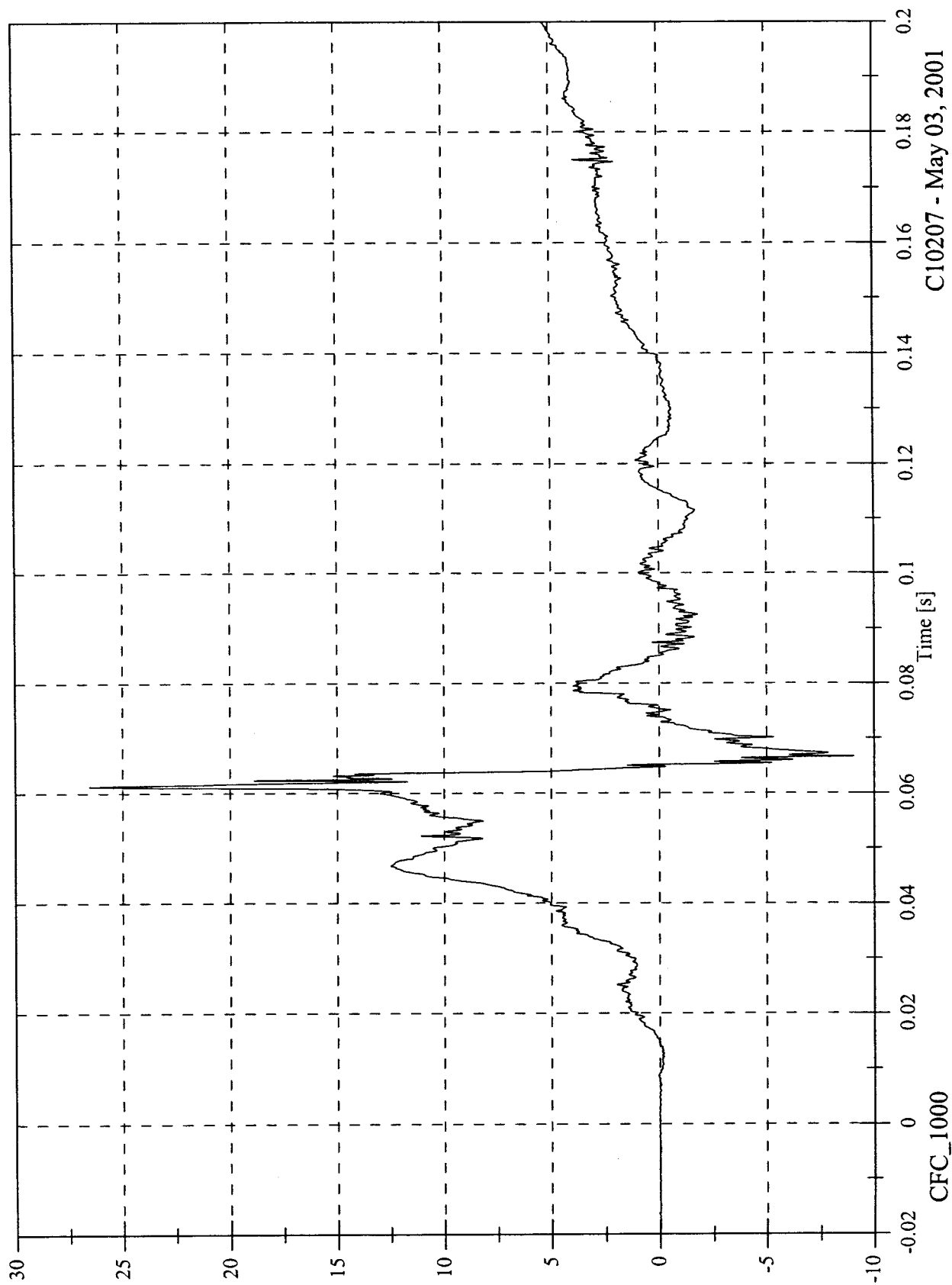
CFC_180

C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 26.5 [g] at 0.061 [s]
Min: -9.1 [g] at 0.067 [s]

P4 Head z

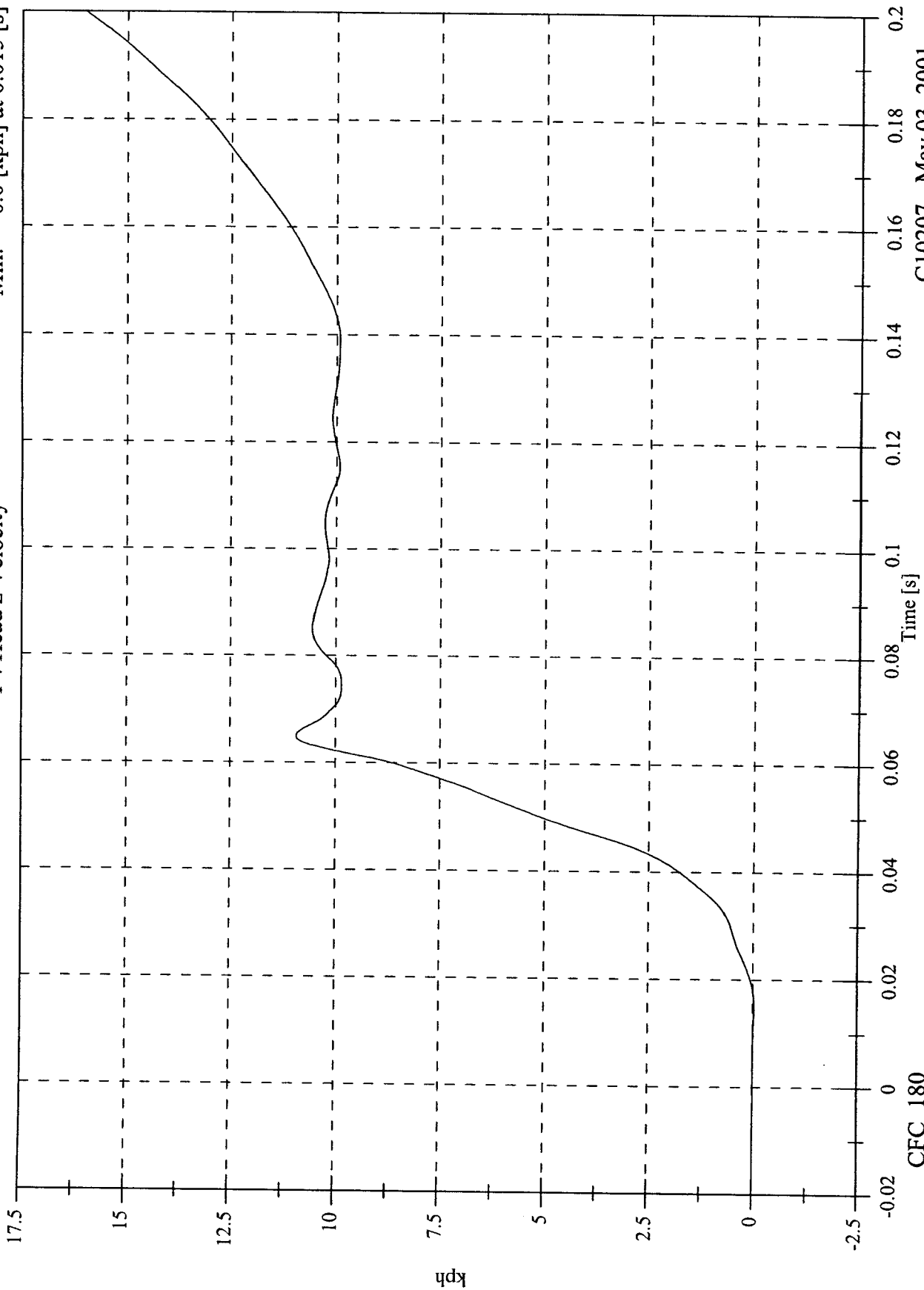


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P4 Head z Velocity

Max: 16.0 [kph] at 0.200 [s]
Min: -0.0 [kph] at 0.015 [s]

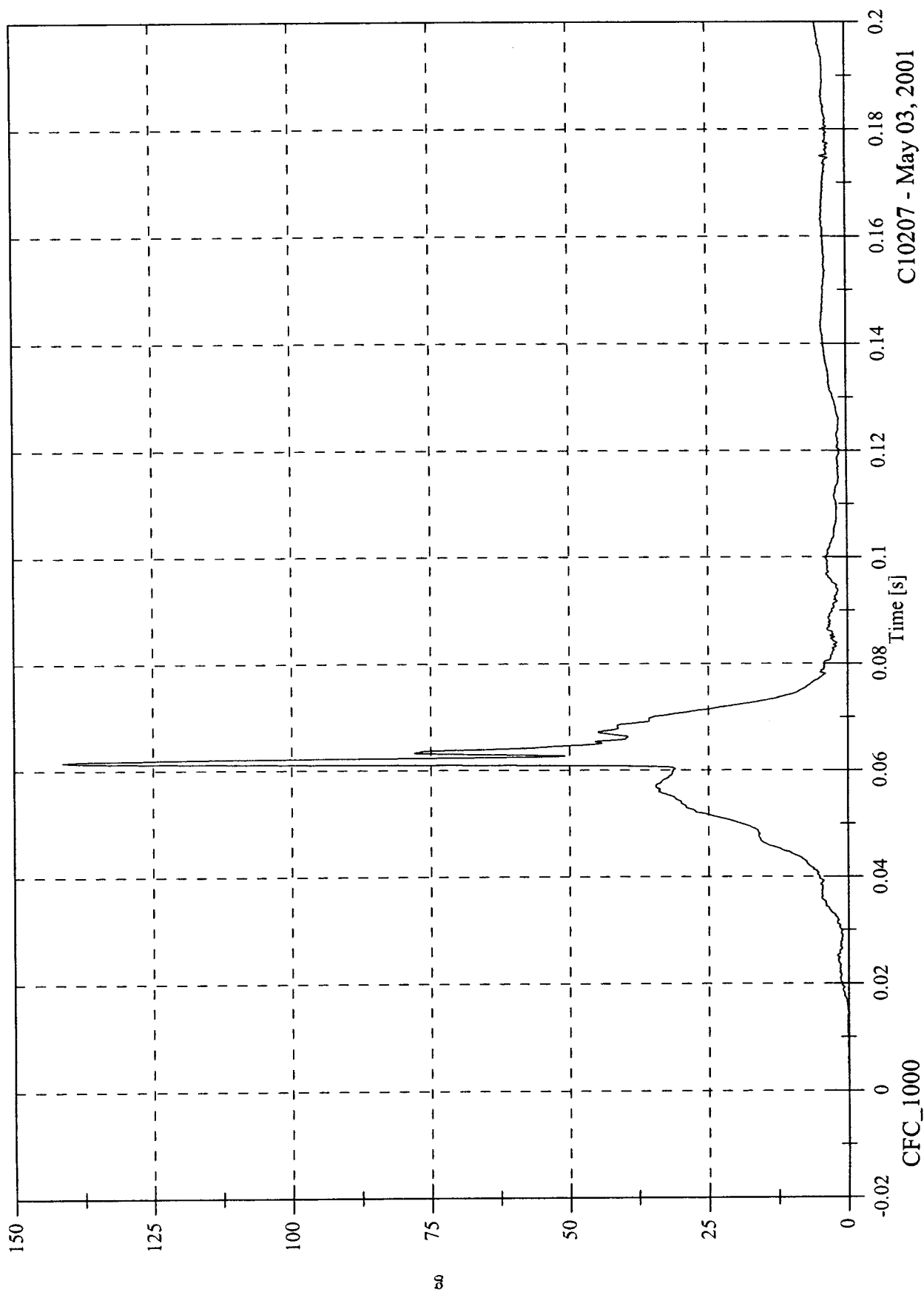


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FMVSS 214D Test 27 - 2001 Ford Mustang

P4 Head Resultant

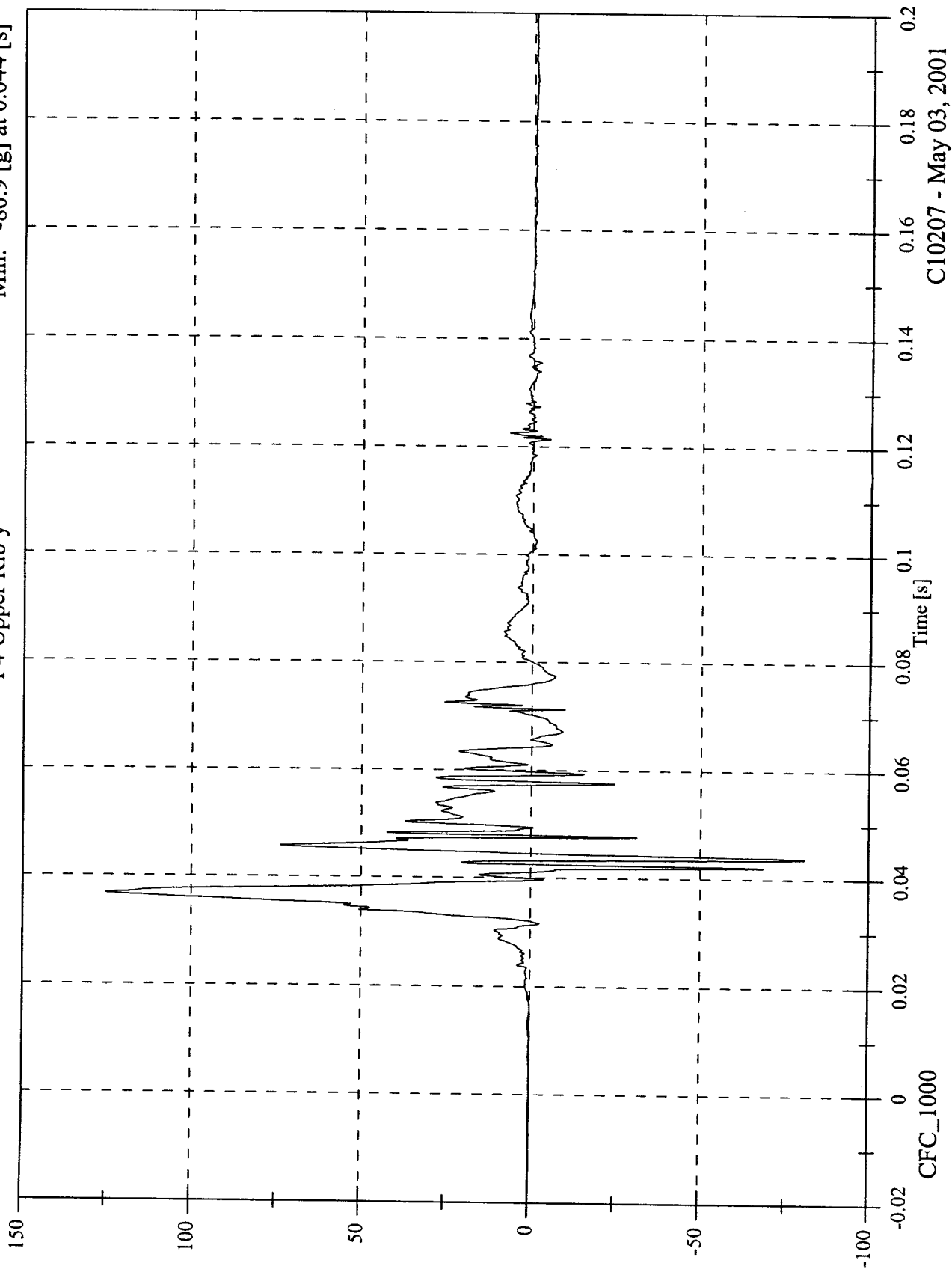
Max: 141.3 [g] at 0.062 [s]
Min: 0.0 [g] at -0.012 [s]



FMVSS 214D Test 27 - 2001 Ford Mustang

P4 Upper Rib y

Max: 125.1 [g] at 0.037 [s]
Min: -80.9 [g] at 0.044 [s]

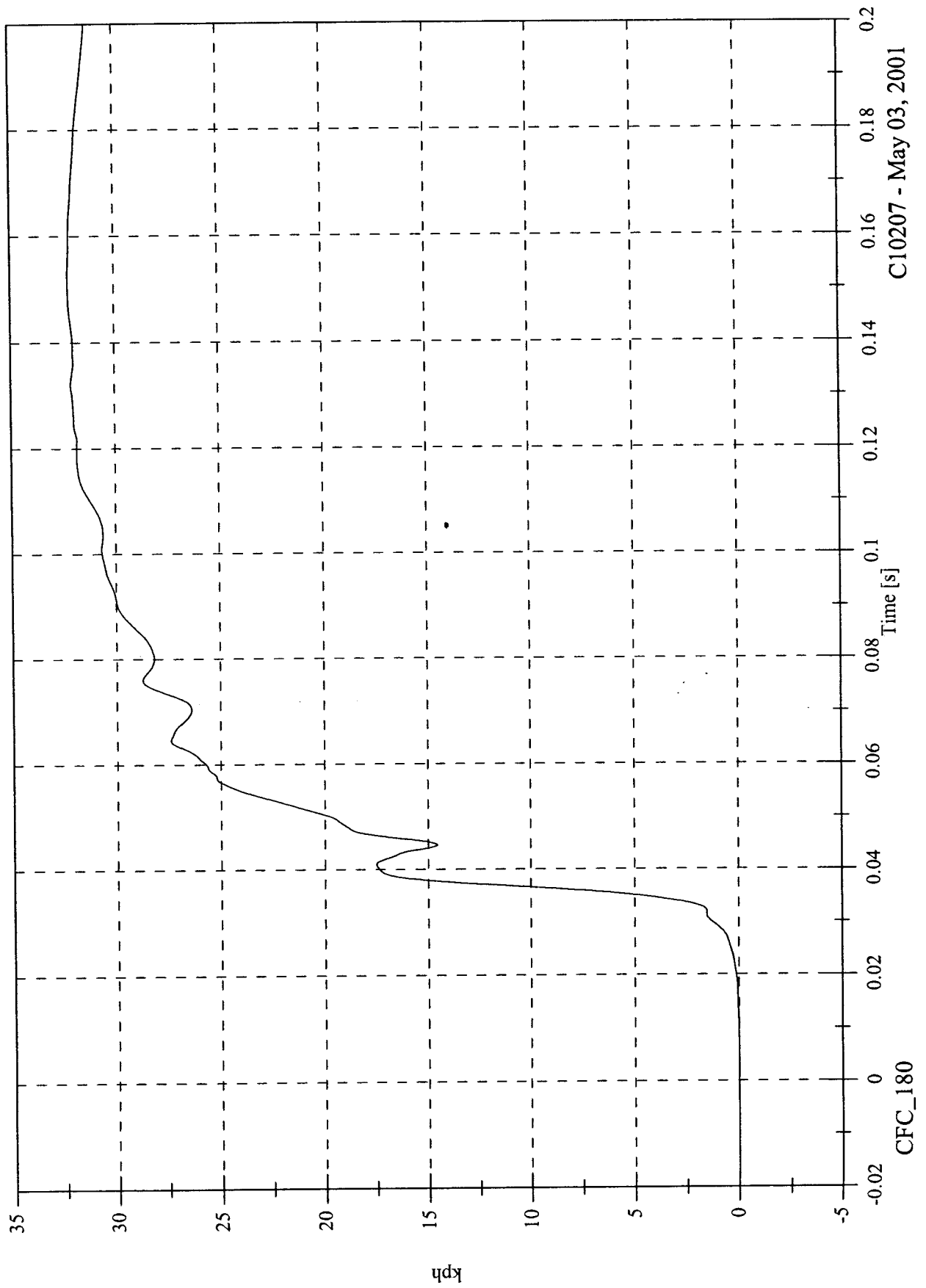


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Max: 32.2 [kph] at 0.153 [s]
Min: -0.0 [kph] at -0.012 [s]

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P4 Upper Rib y Velocity

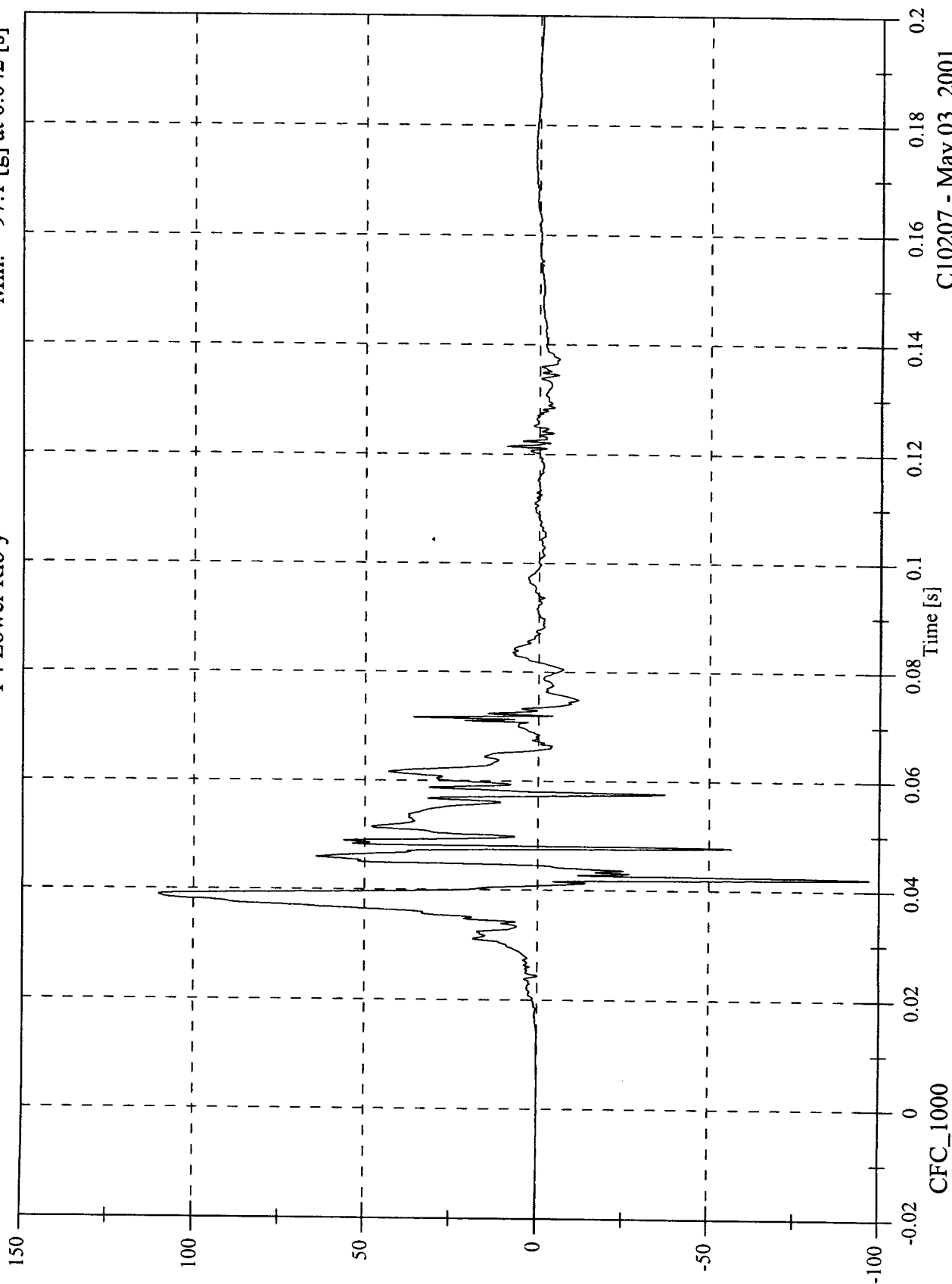


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P4 Lower Rib y

Max: 110.0 [g] at 0.039 [s]
Min: -97.1 [g] at 0.042 [s]

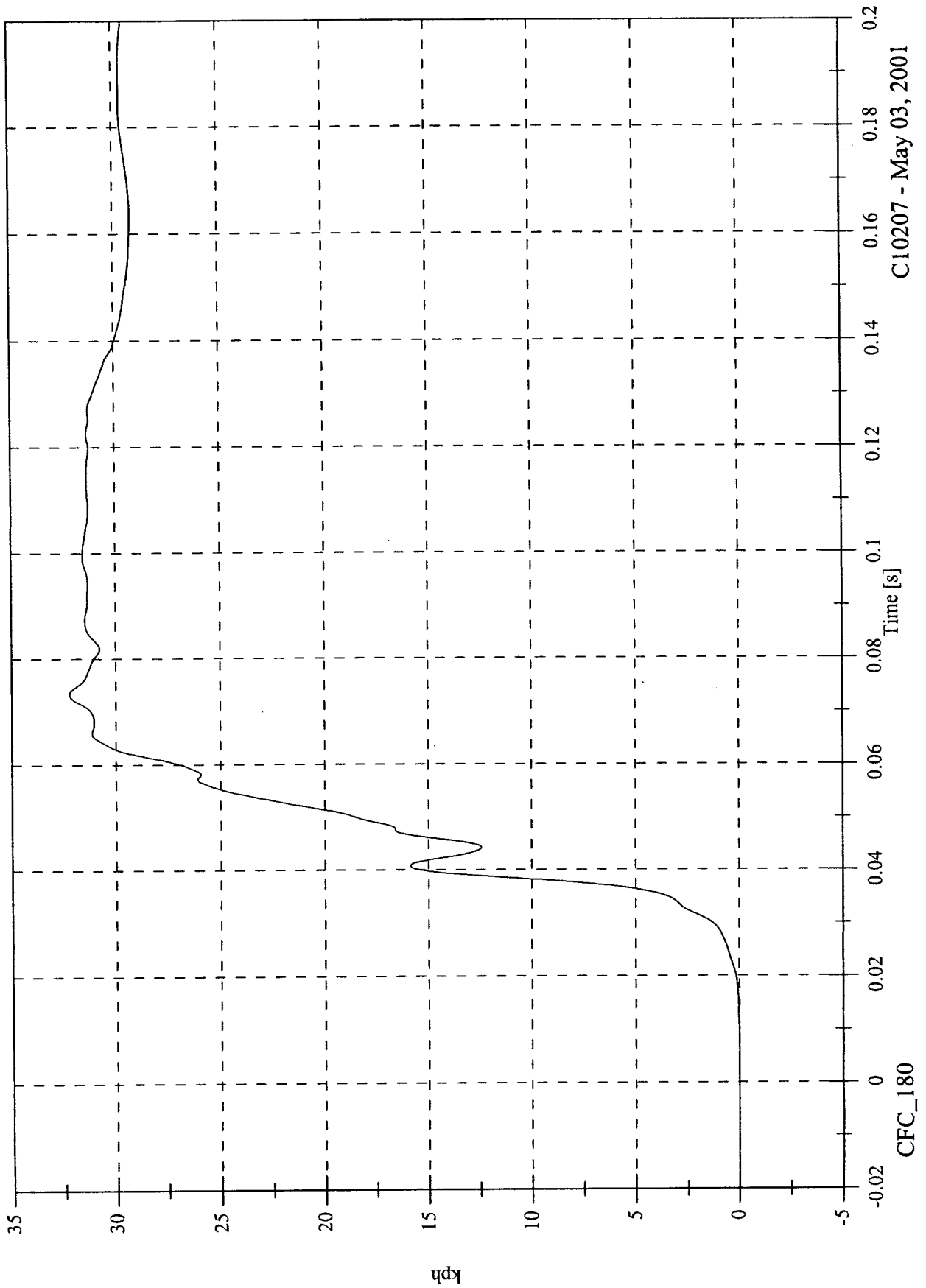


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FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 32.2 [kph] at 0.073 [s]
Min: -0.0 [kph] at -0.020 [s]

P4 Lower Rib y Velocity

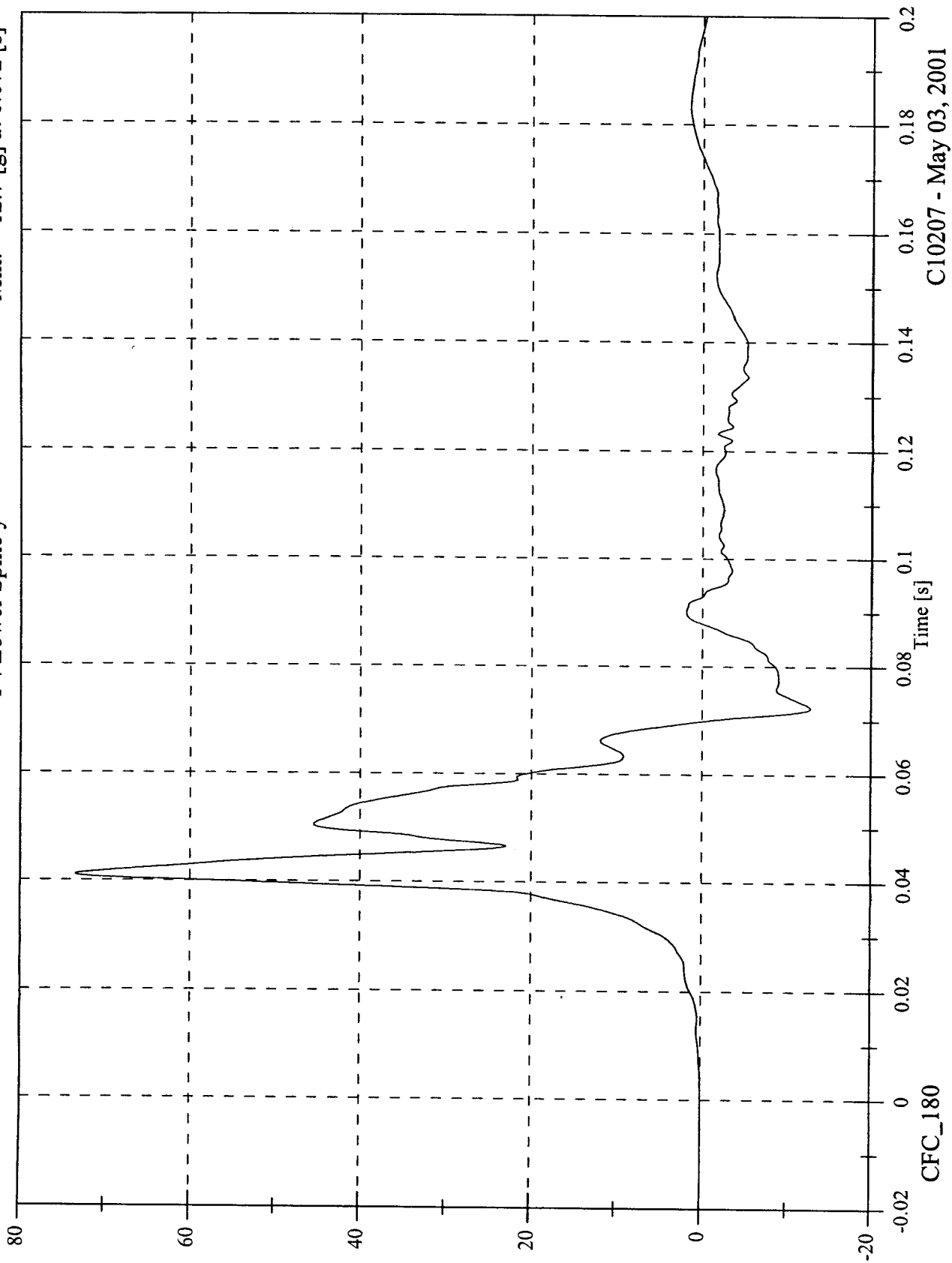


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FMVSS 214D Test 27 - 2001 Ford Mustang

P4 Lower Spine y

Max: 73.5 [g] at 0.041 [s]
Min: -12.7 [g] at 0.072 [s]

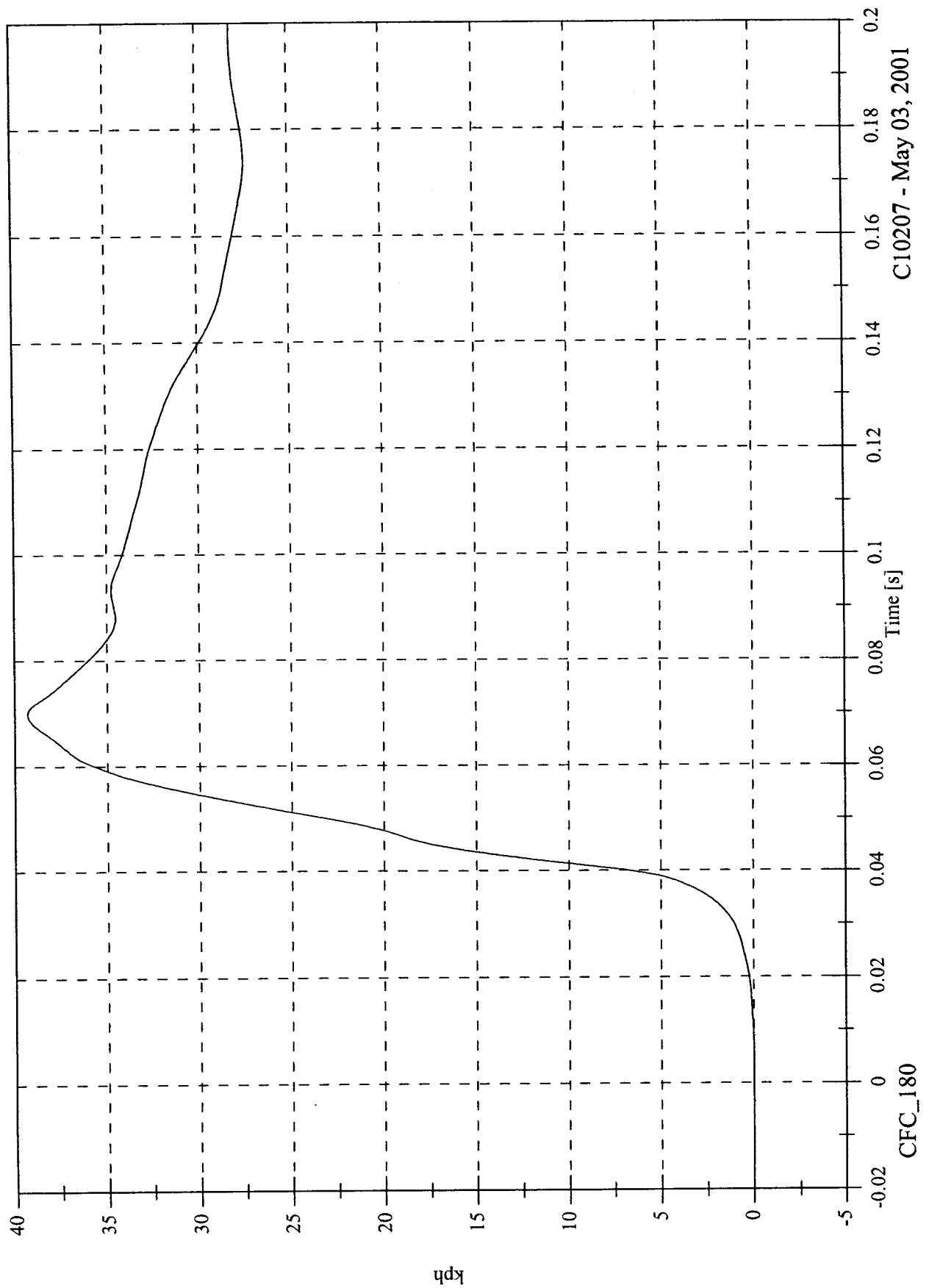


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Max: 39.3 [kph] at 0.070 [s]
Min: -0.0 [kph] at -0.020 [s]

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P4 Lower Spine y Velocity

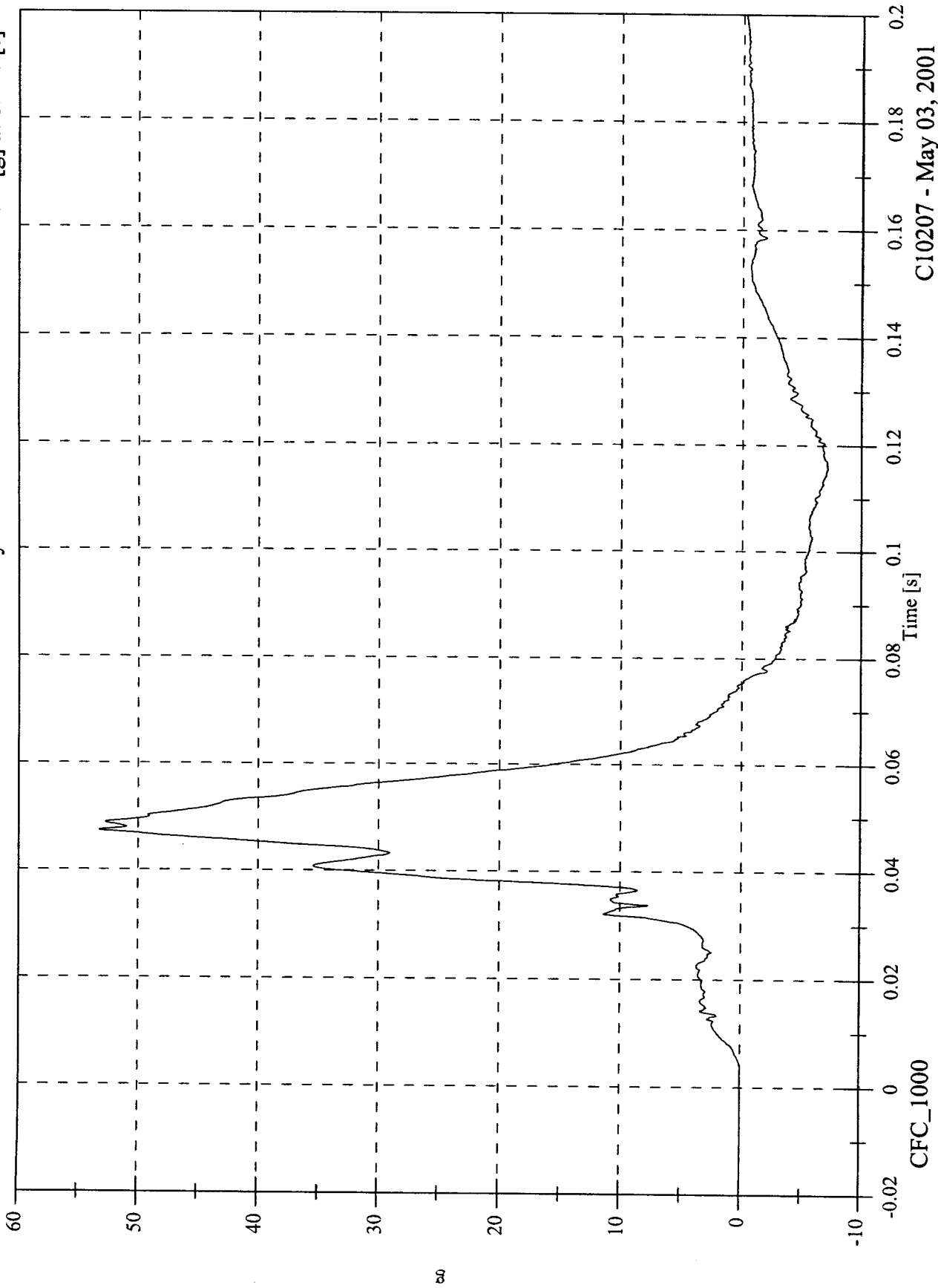


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FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 53.3 [g] at 0.047 [s]
Min: -7.2 [g] at 0.116 [s]

P4 Pelvic y

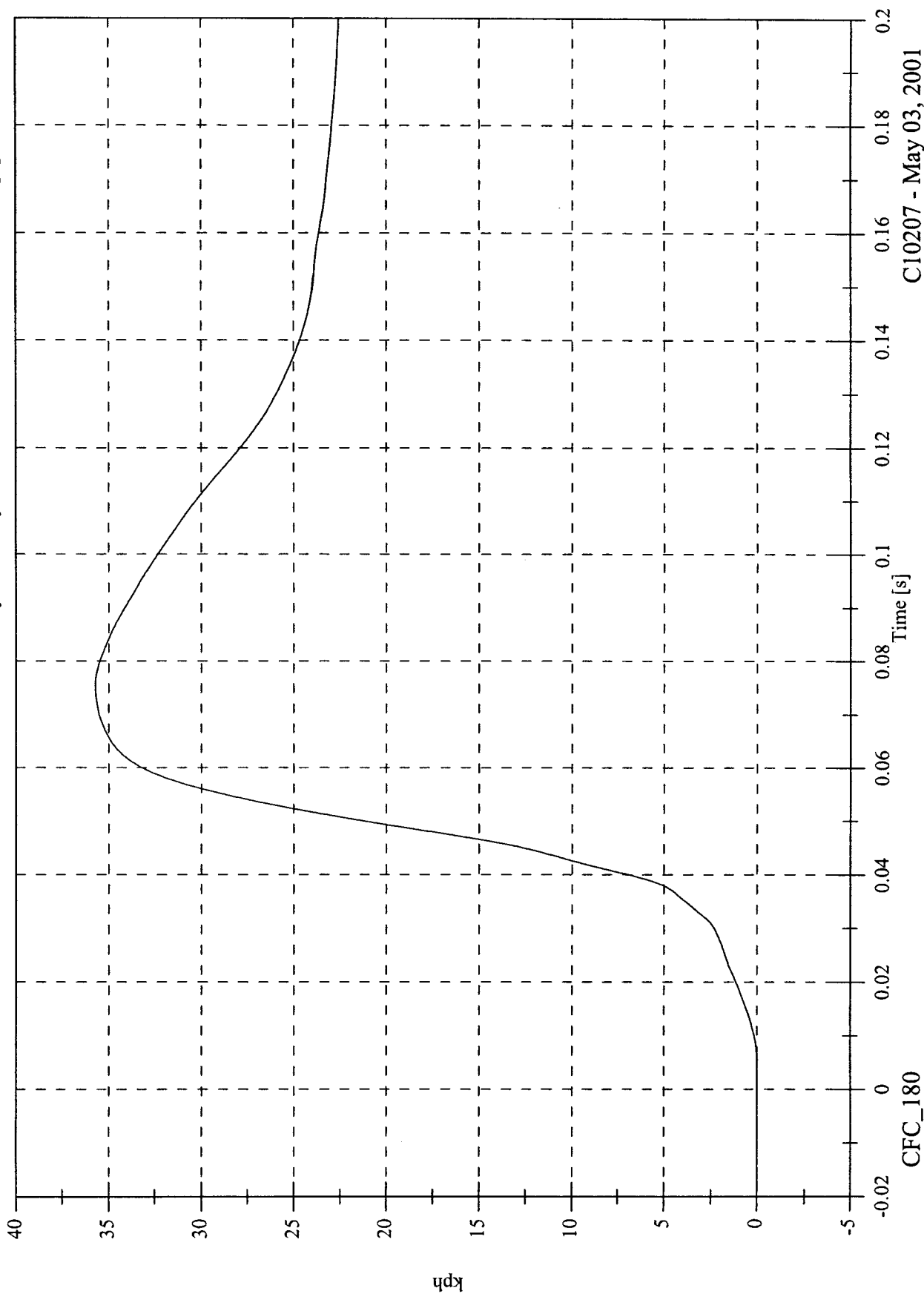


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Max: 35.7 [kph] at 0.075 [s]
Min: -0.0 [kph] at -0.009 [s]

P4 Pelvic y Velocity

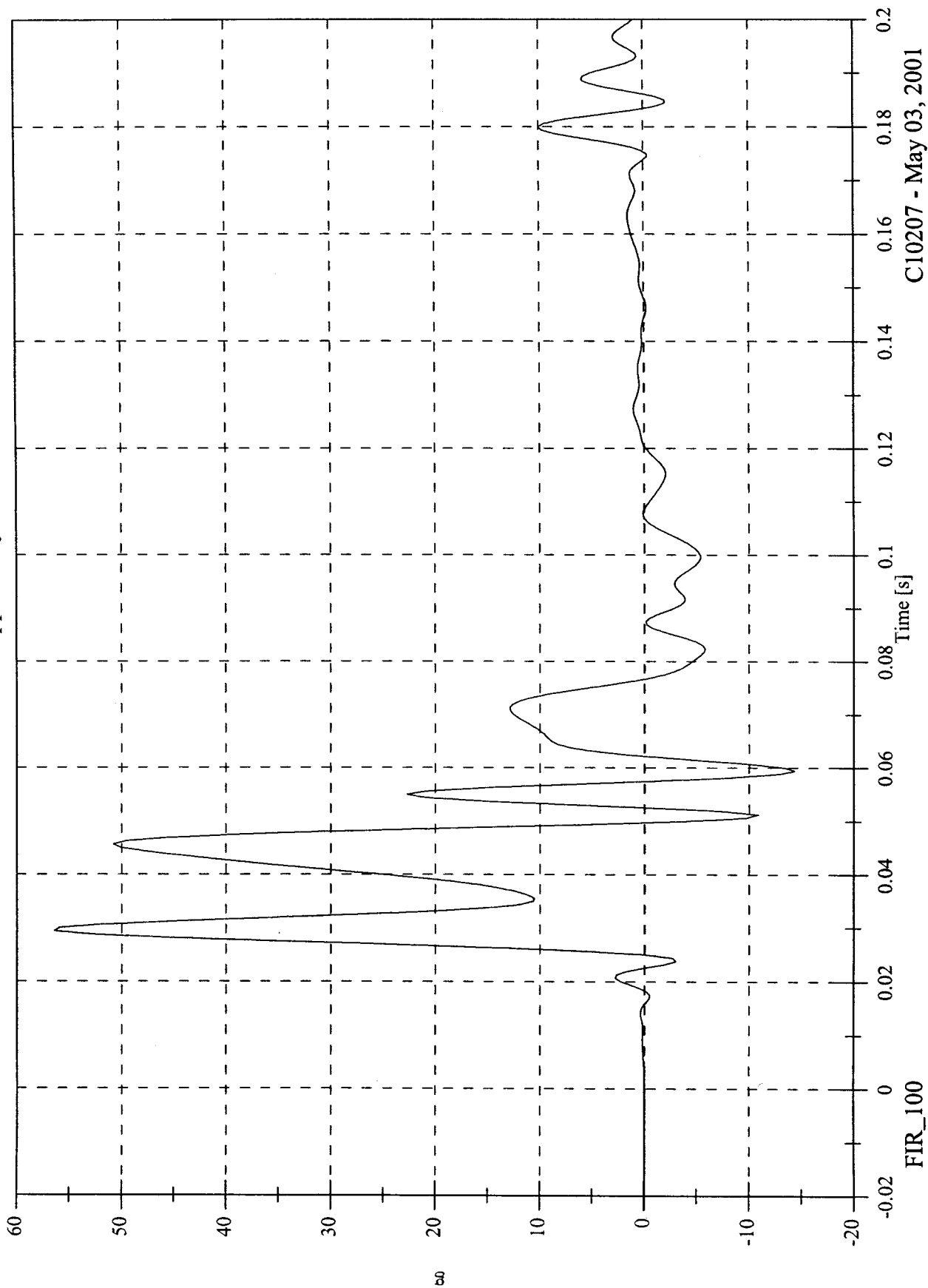


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FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 56.4 [g] at 0.029 [s]
Min: -14.4 [g] at 0.059 [s]

P1 Upper Rib y

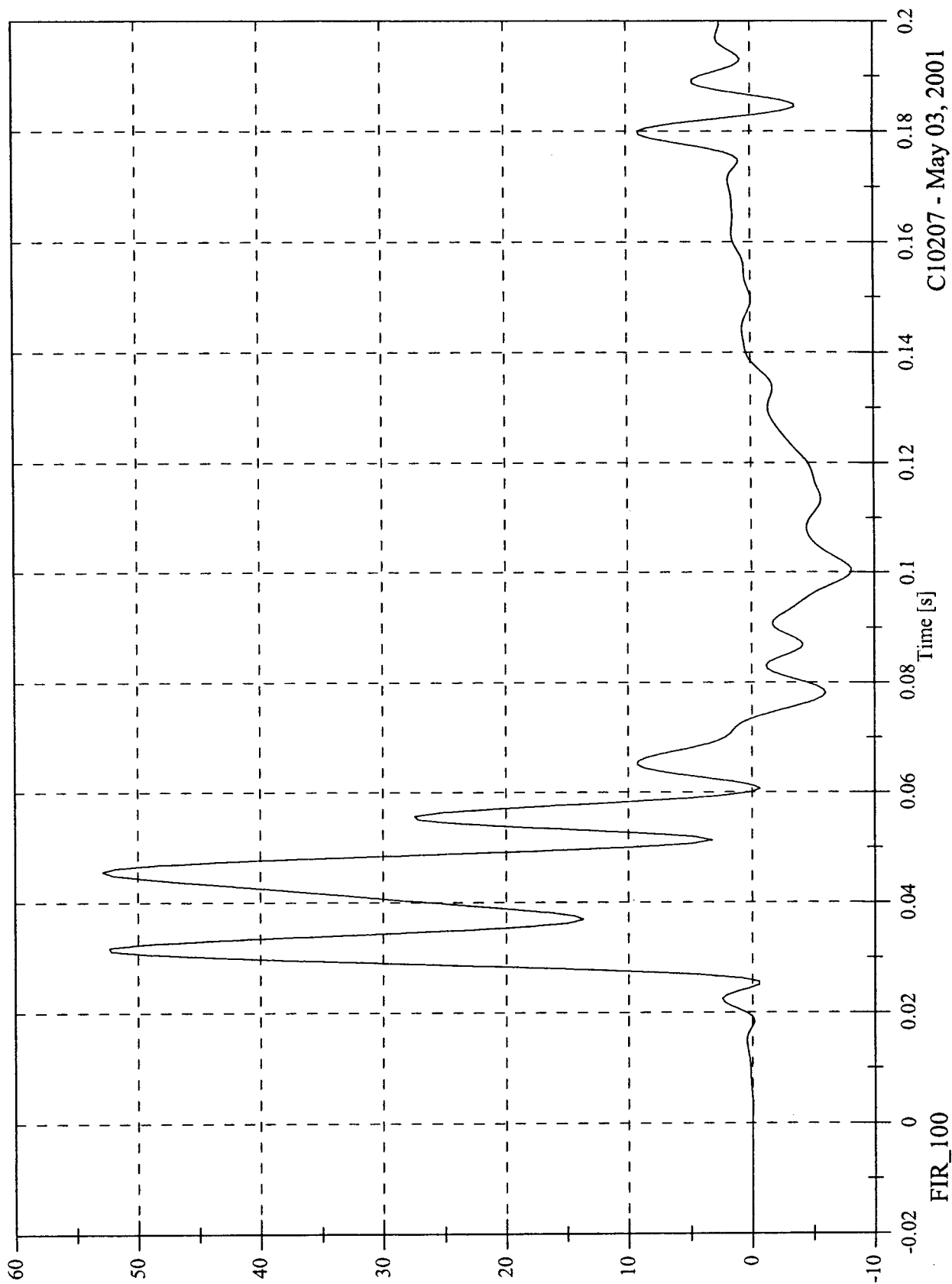


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Lower Rib y

Max: 52.9 [g] at 0.046 [s]
Min: -8.1 [g] at 0.101 [s]

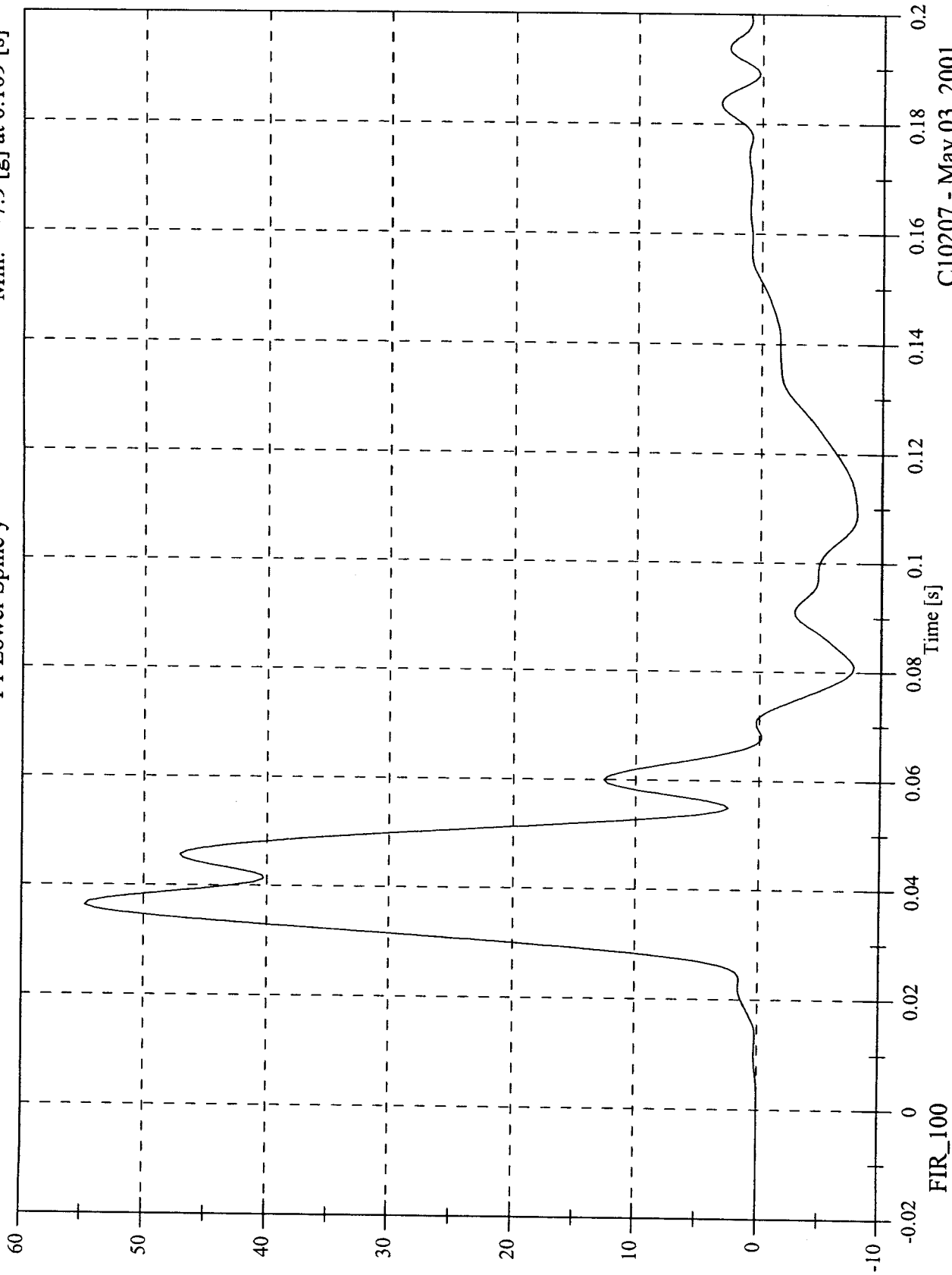


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Lower Spine y

Max: 54.8 [g] at 0.036 [s]
Min: -7.9 [g] at 0.109 [s]

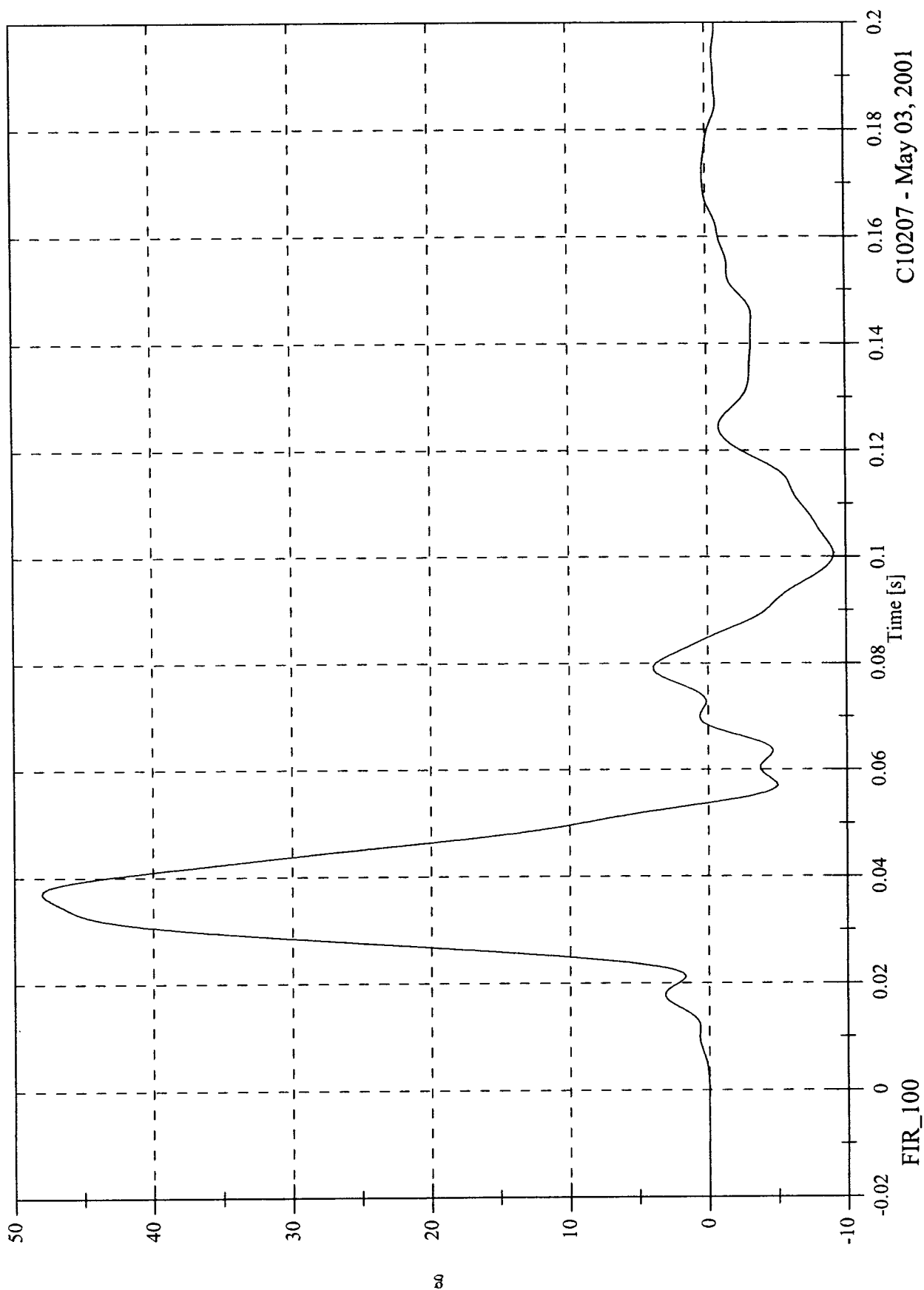


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FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Pelvic y

Max: 48.0 [g] at 0.037 [s]
Min: -9.1 [g] at 0.101 [s]

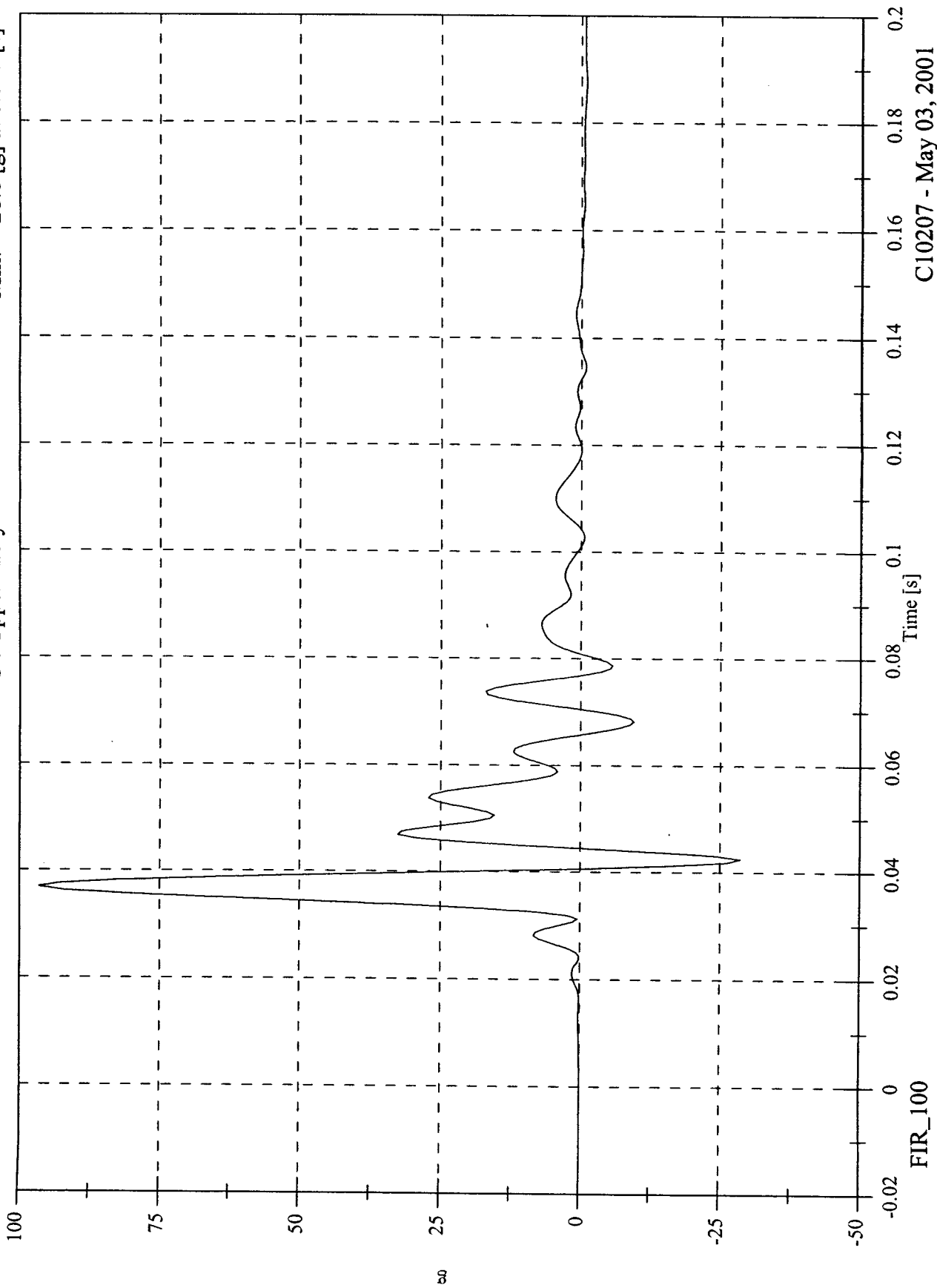


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 96.4 [g] at 0.037 [s]
Min: -28.6 [g] at 0.043 [s]

P4 Upper Rib y

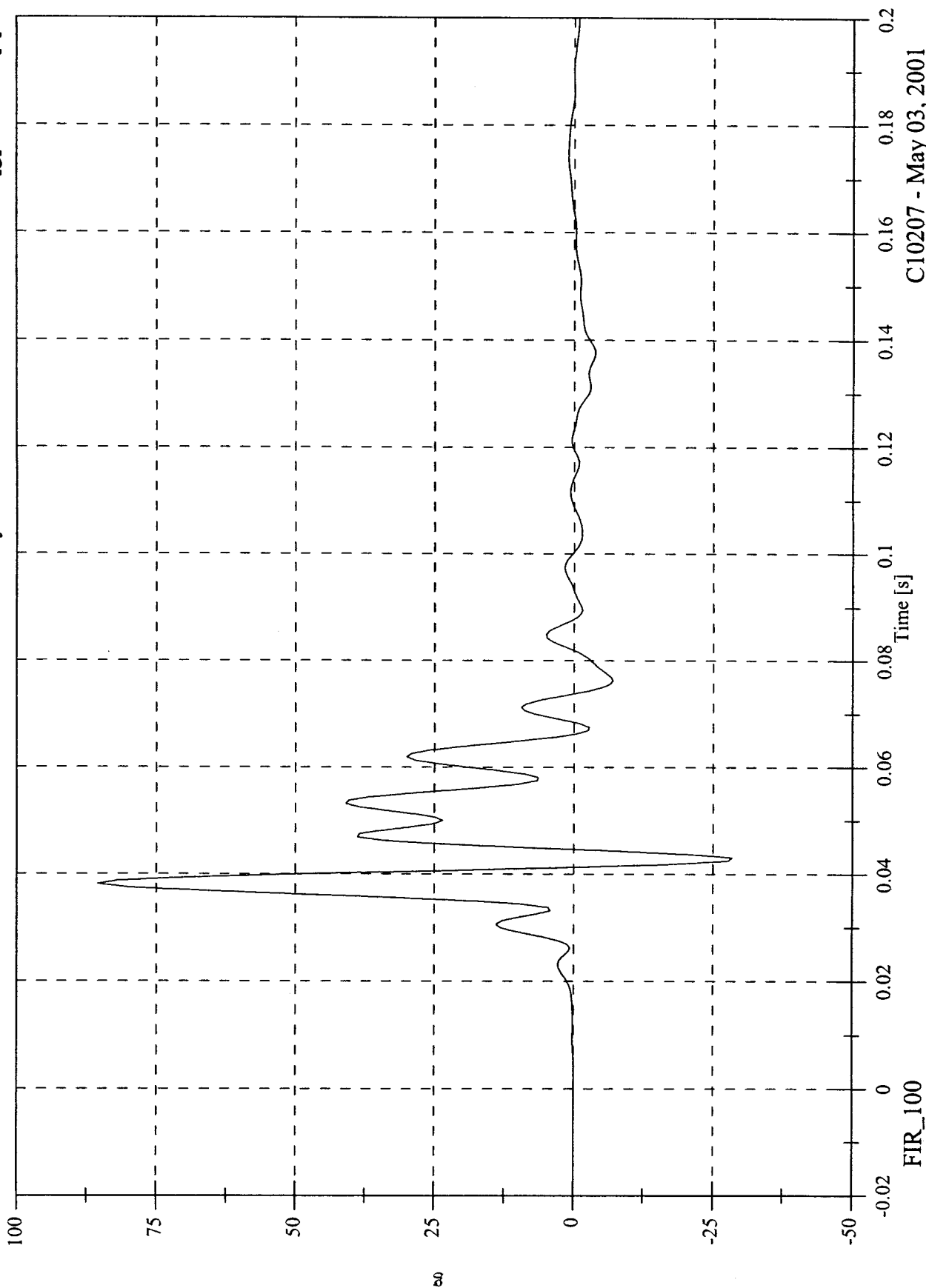


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P4 Lower Rib y

Max: 85.5 [g] at 0.038 [s]
Min: -28.4 [g] at 0.043 [s]

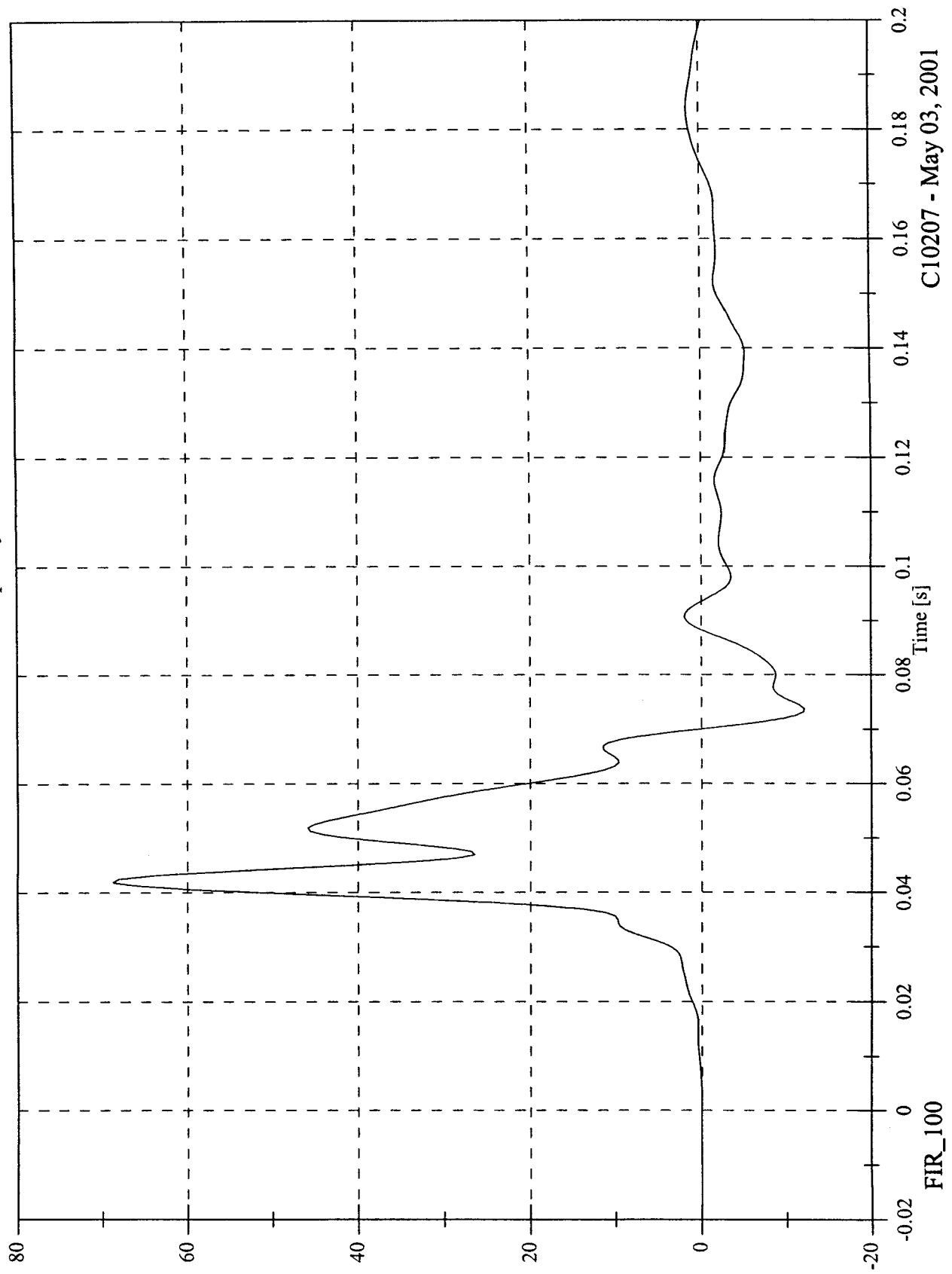


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 68.7 [g] at 0.042 [s]
Min: -12.0 [g] at 0.074 [s]

P4 Lower Spine y

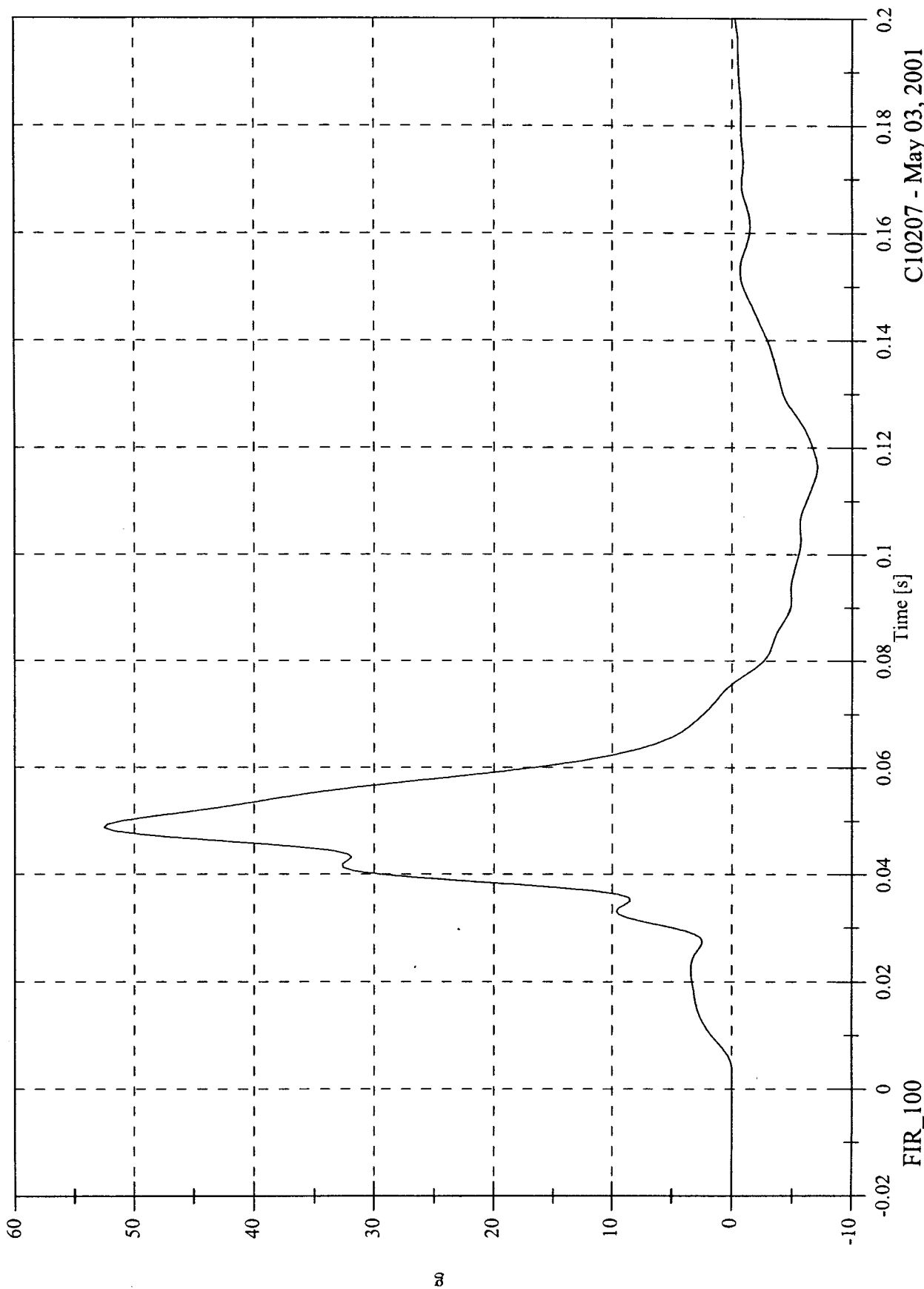


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 52.5 [g] at 0.049 [s]
 Min: -7.1 [g] at 0.116 [s]

P4 Pelvic y

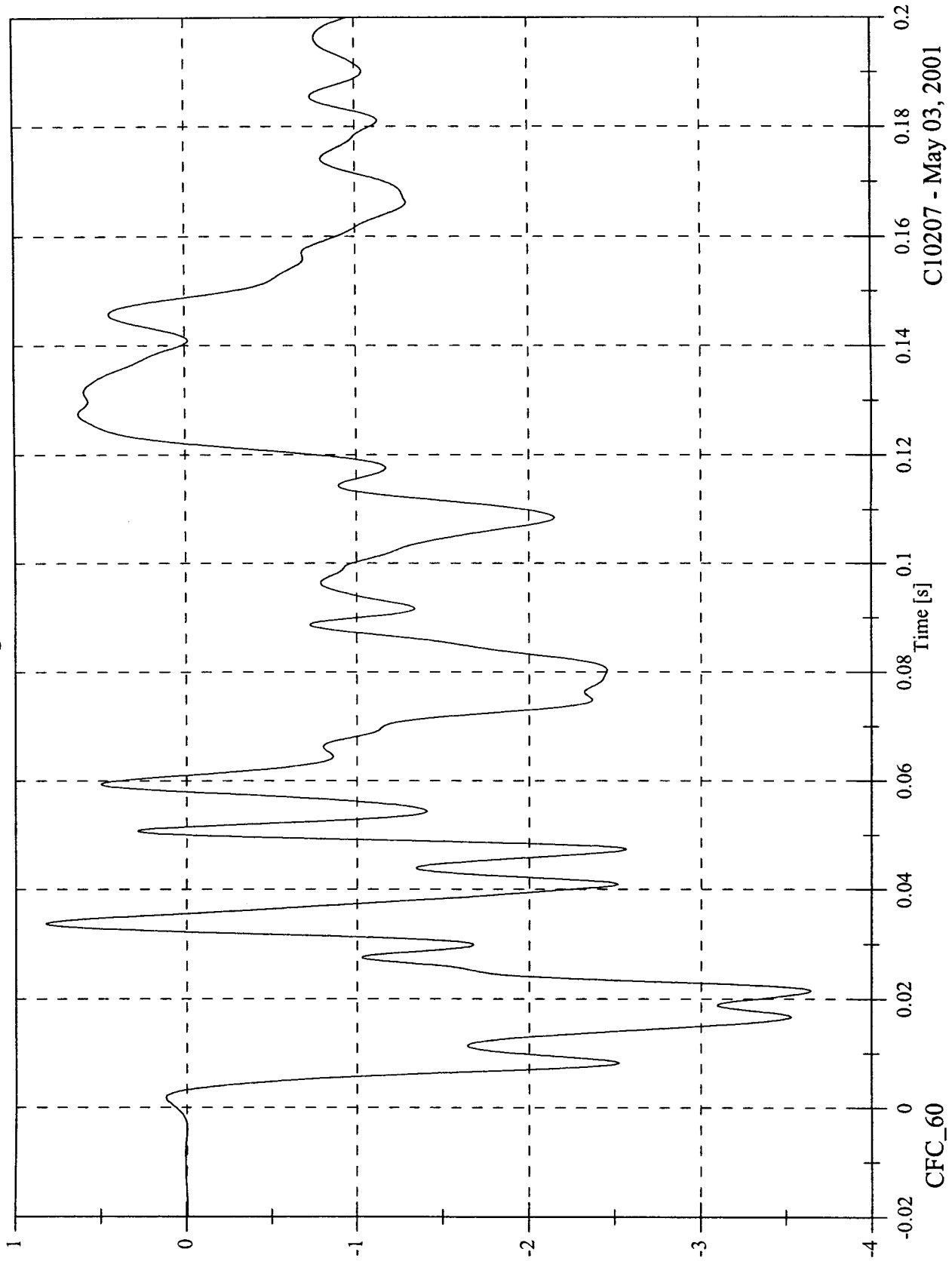


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FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 1 Right Front Sill X

Max: 0.8 [g] at 0.034 [s]
Min: -3.6 [g] at 0.021 [s]

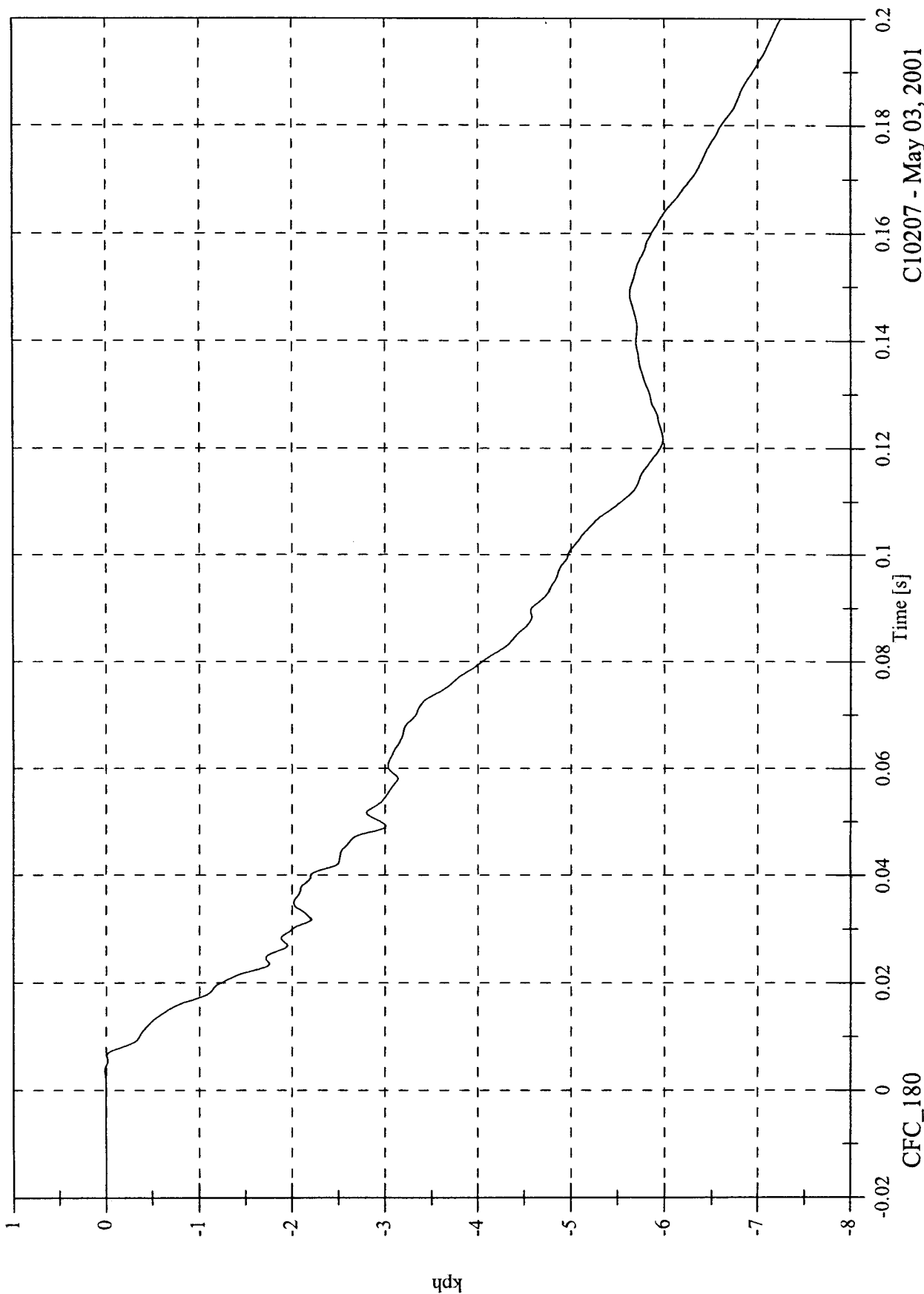


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FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 1 Right Front Sill X Velocity

Max: 0.0 [kph] at 0.004 [s]
 Min: -7.2 [kph] at 0.200 [s]

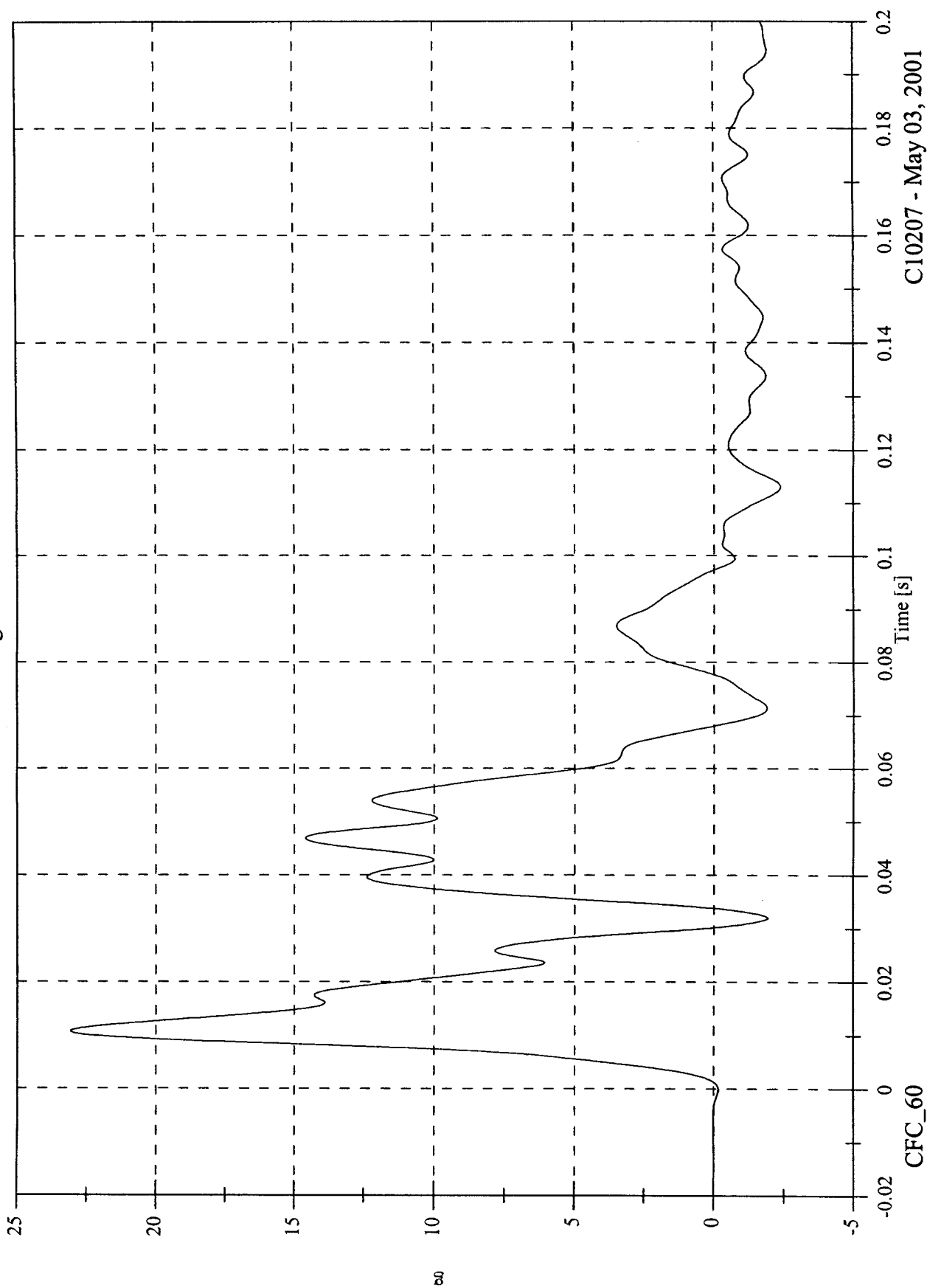


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FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 23.1 [g] at 0.011 [s]
 Min: -2.4 [g] at 0.113 [s]

Acc 1 Right Front Sill Y

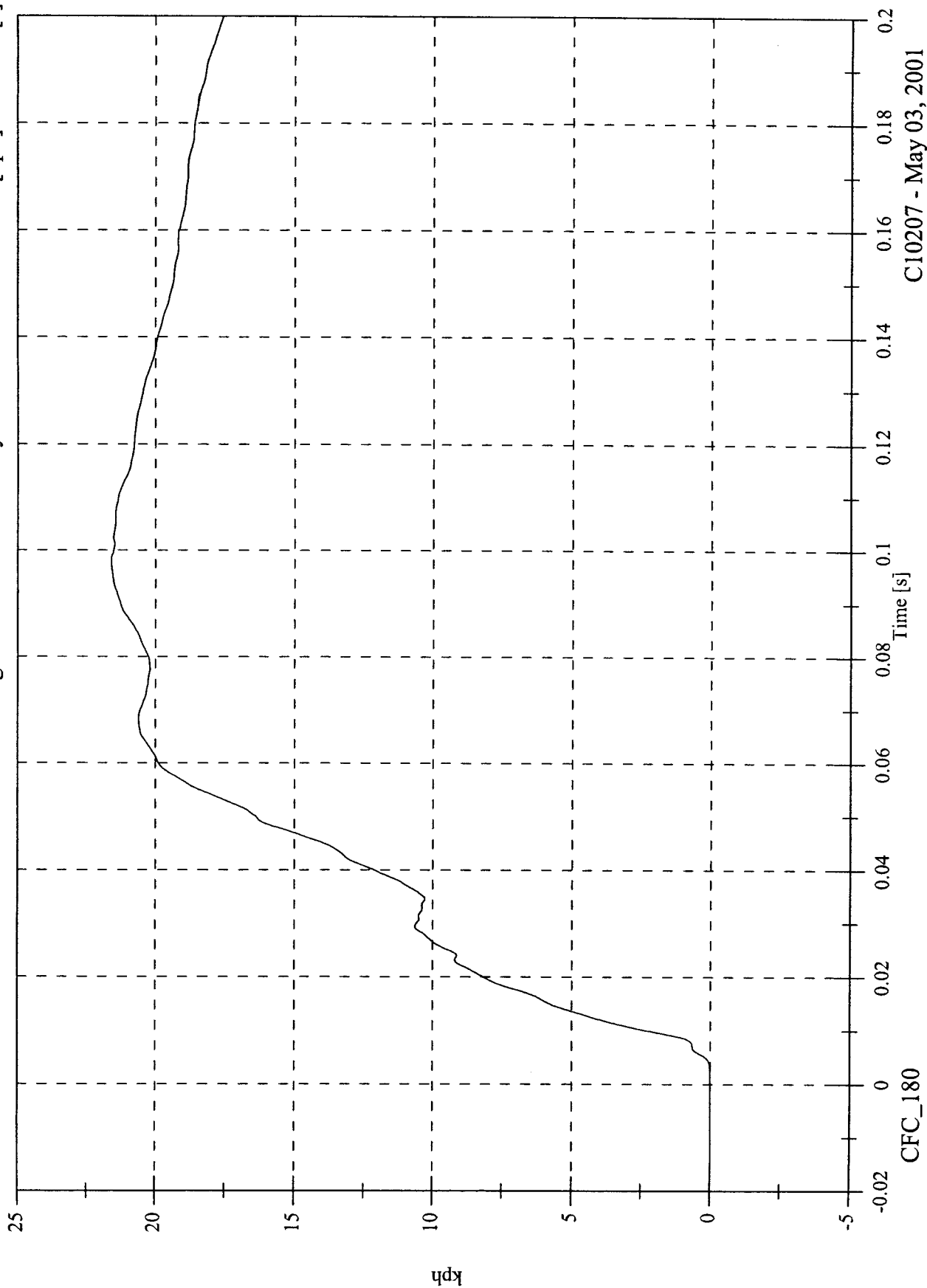


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 21.6 [kph] at 0.098 [s]
Min: -0.0 [kph] at -0.020 [s]

Acc 1 Right Front Sill Y Velocity

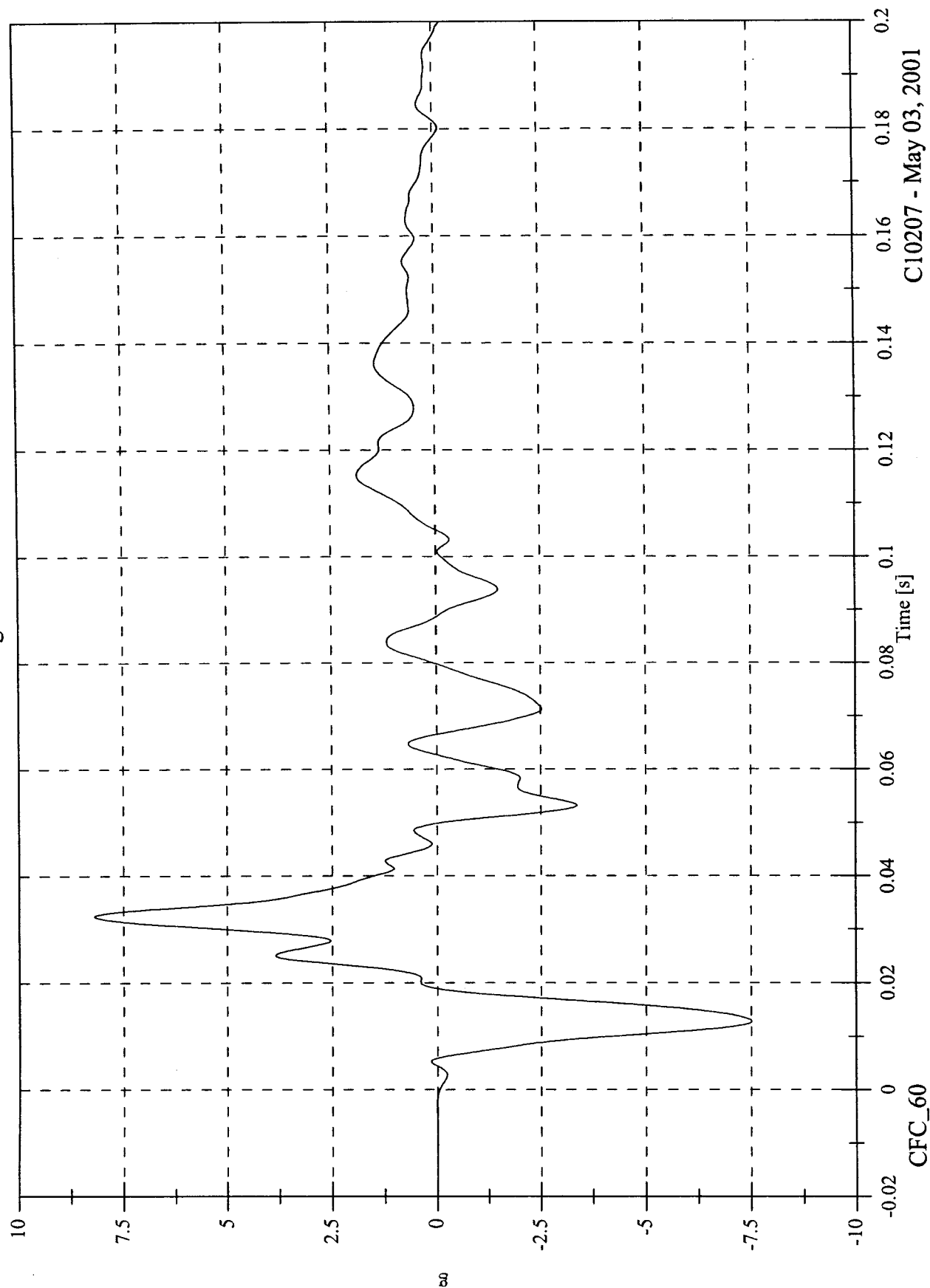


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 8.2 [g] at 0.032 [s]
Min: -7.5 [g] at 0.013 [s]

Acc 1 Right Front Sill Z

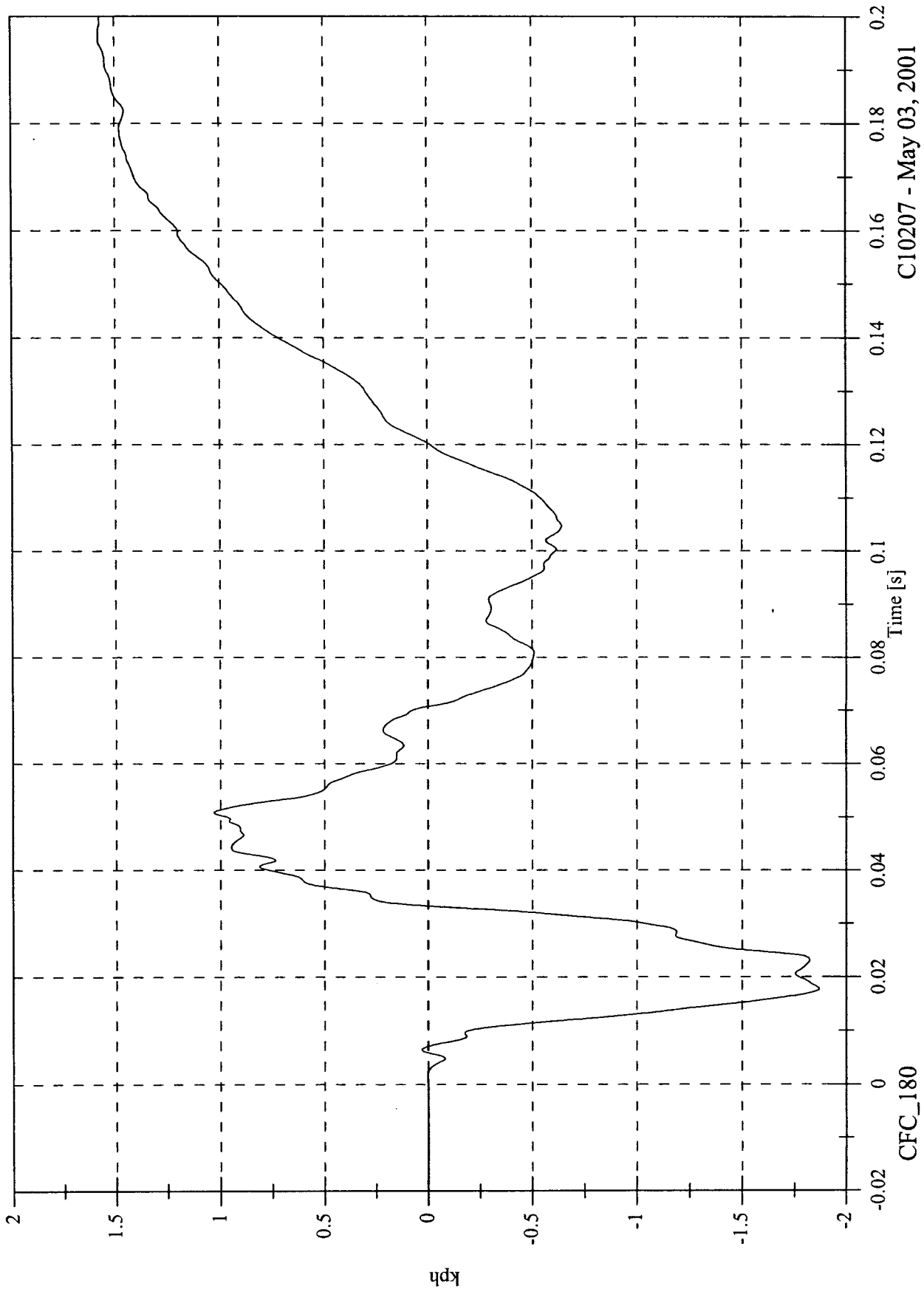


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 1.6 [kph] at 0.196 [s]
Min: -1.9 [kph] at 0.018 [s]

Acc 1 Right Front Sill Z Velocity

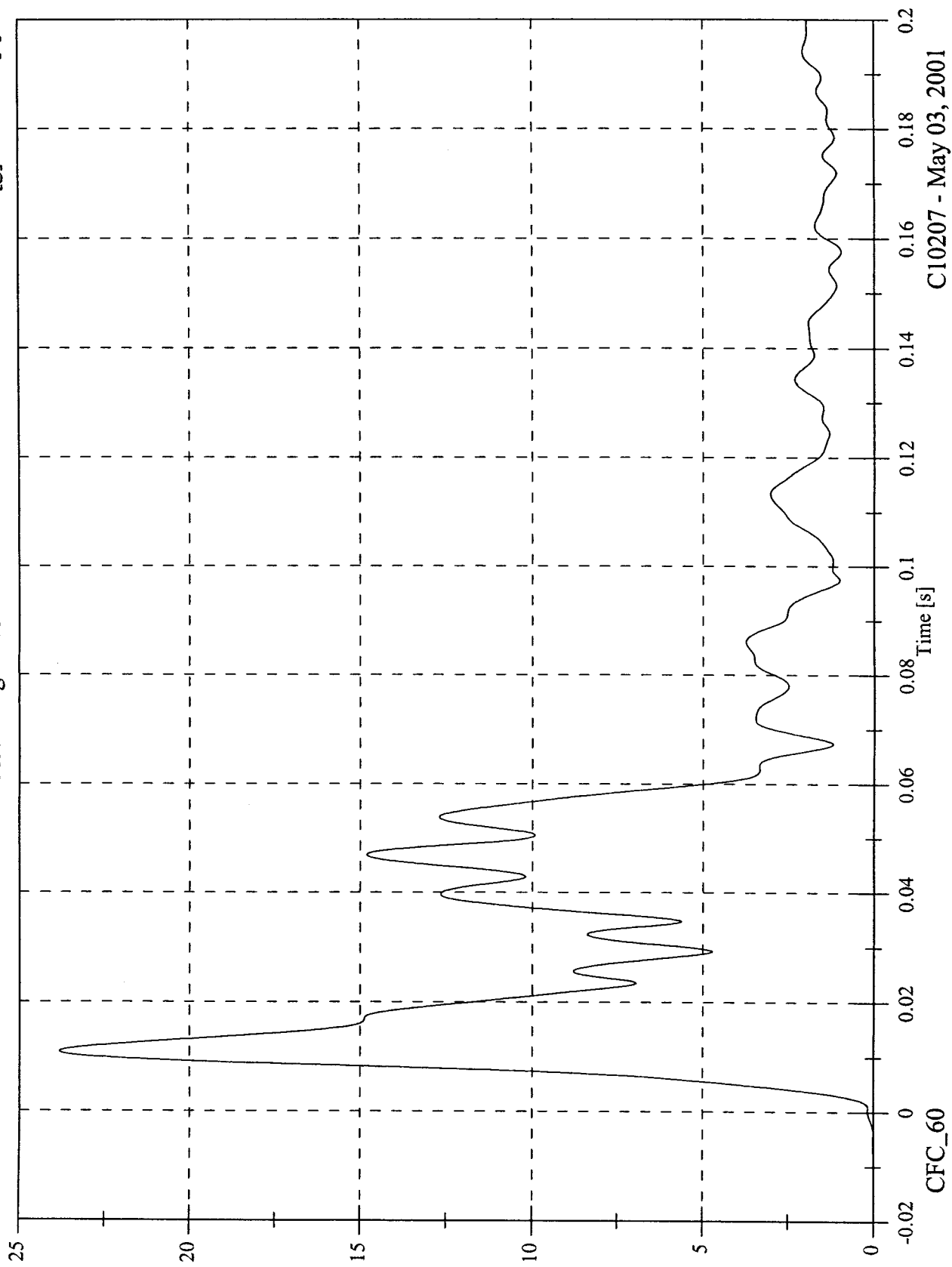


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 23.8 [g] at 0.011 [s]
 Min: 0.0 [g] at -0.015 [s]

Acc 1 Right Front Sill Resultant



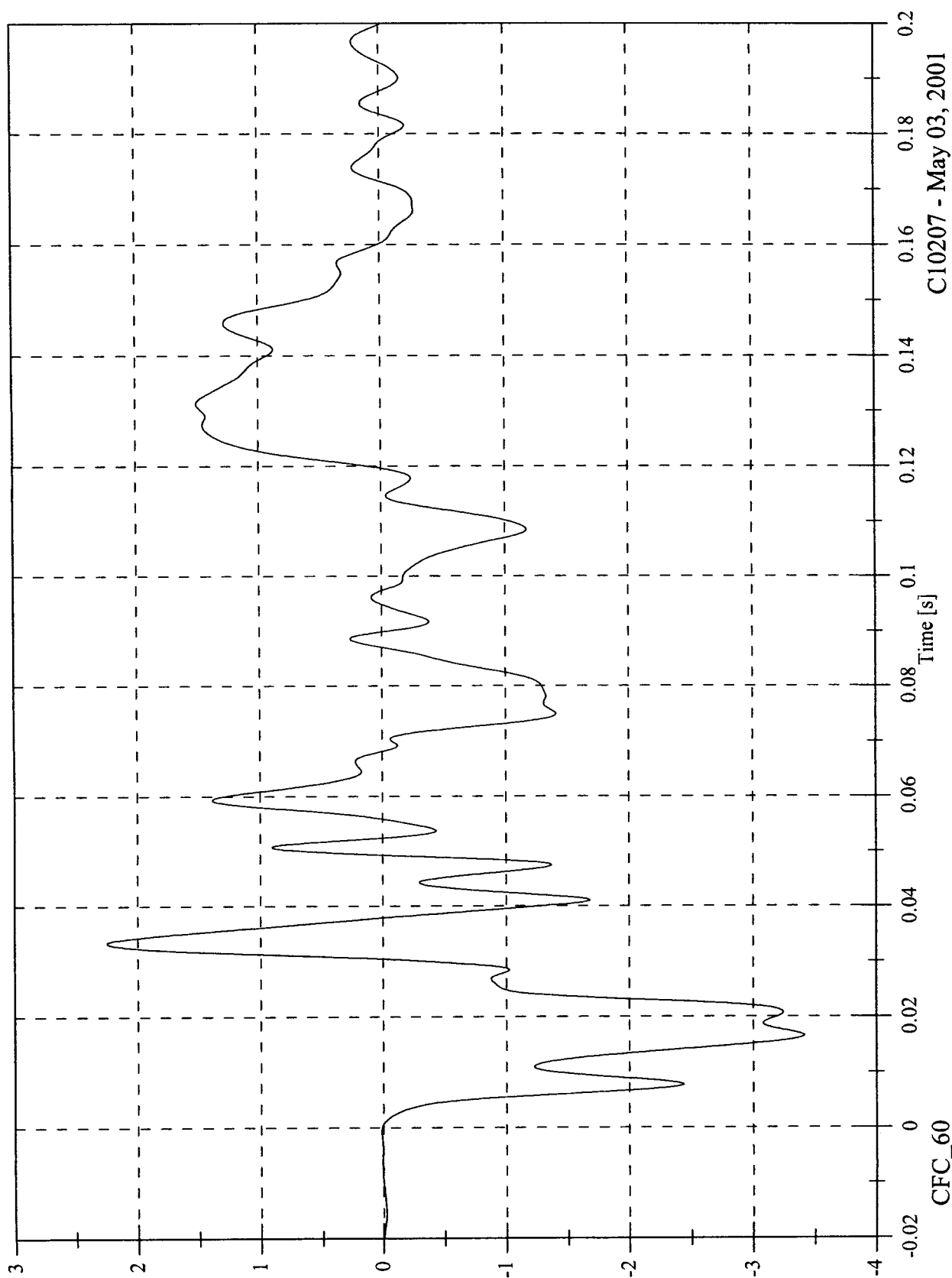
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 2.2 [g] at 0.033 [s]

Min: -3.4 [g] at 0.017 [s]

Acc 2 Right Rear Sill X

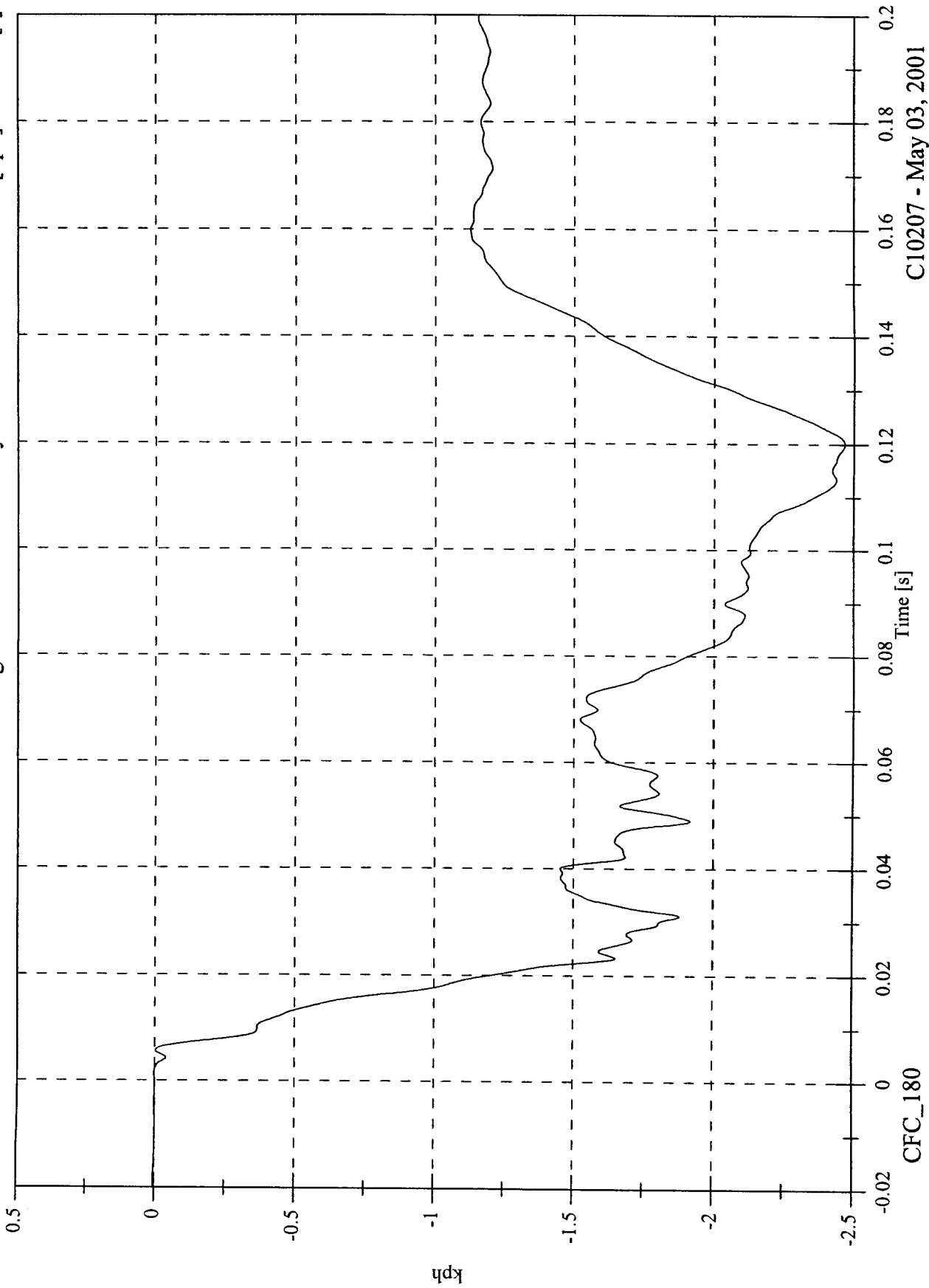


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 0.0 [kph] at -0.018 [s]
Min: -2.5 [kph] at 0.120 [s]

Acc 2 Right Rear Sill X Velocity

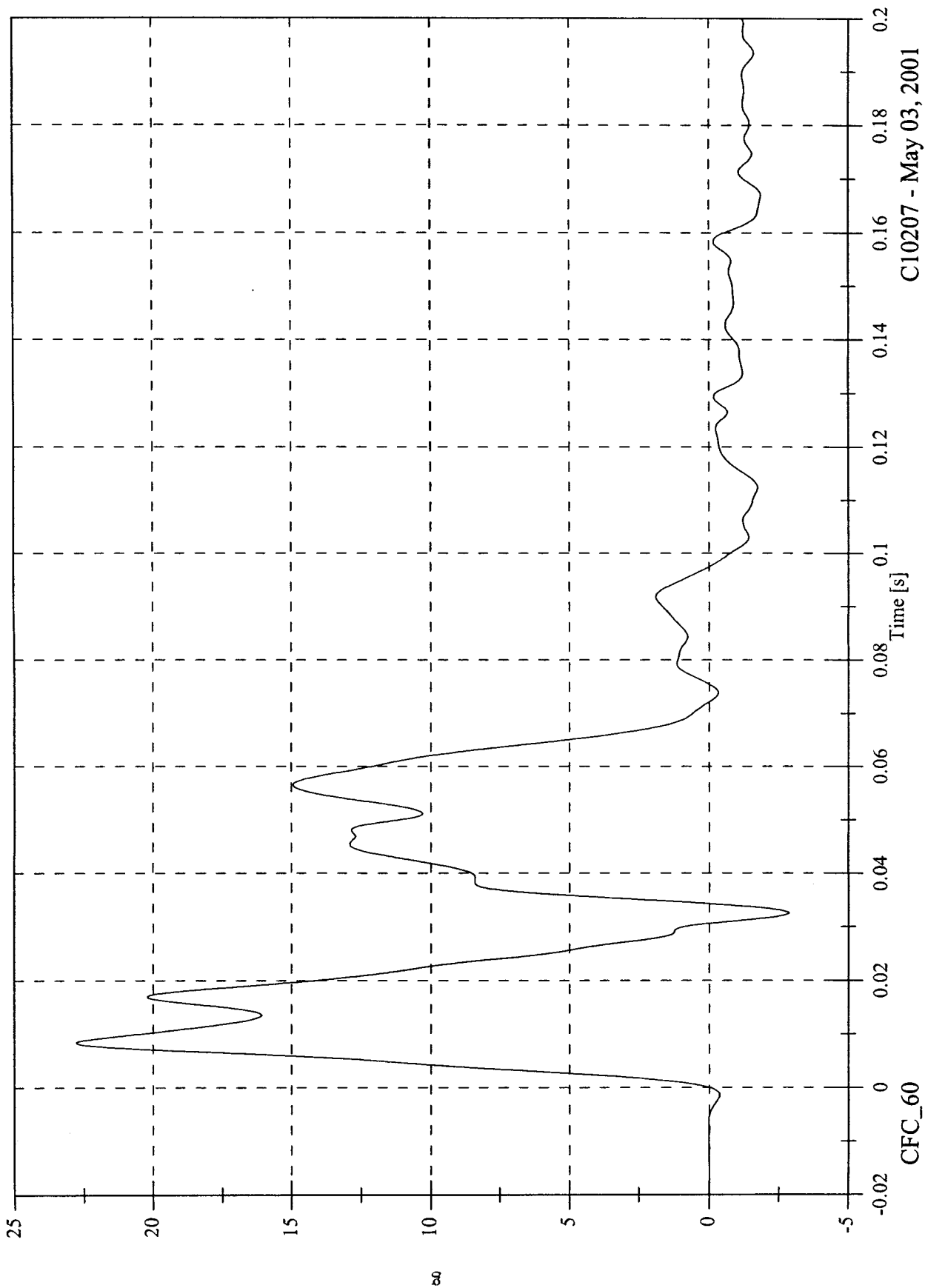


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 2 Right Rear Sill Y

Max: 22.8 [g] at 0.008 [s]
Min: -2.8 [g] at 0.033 [s]

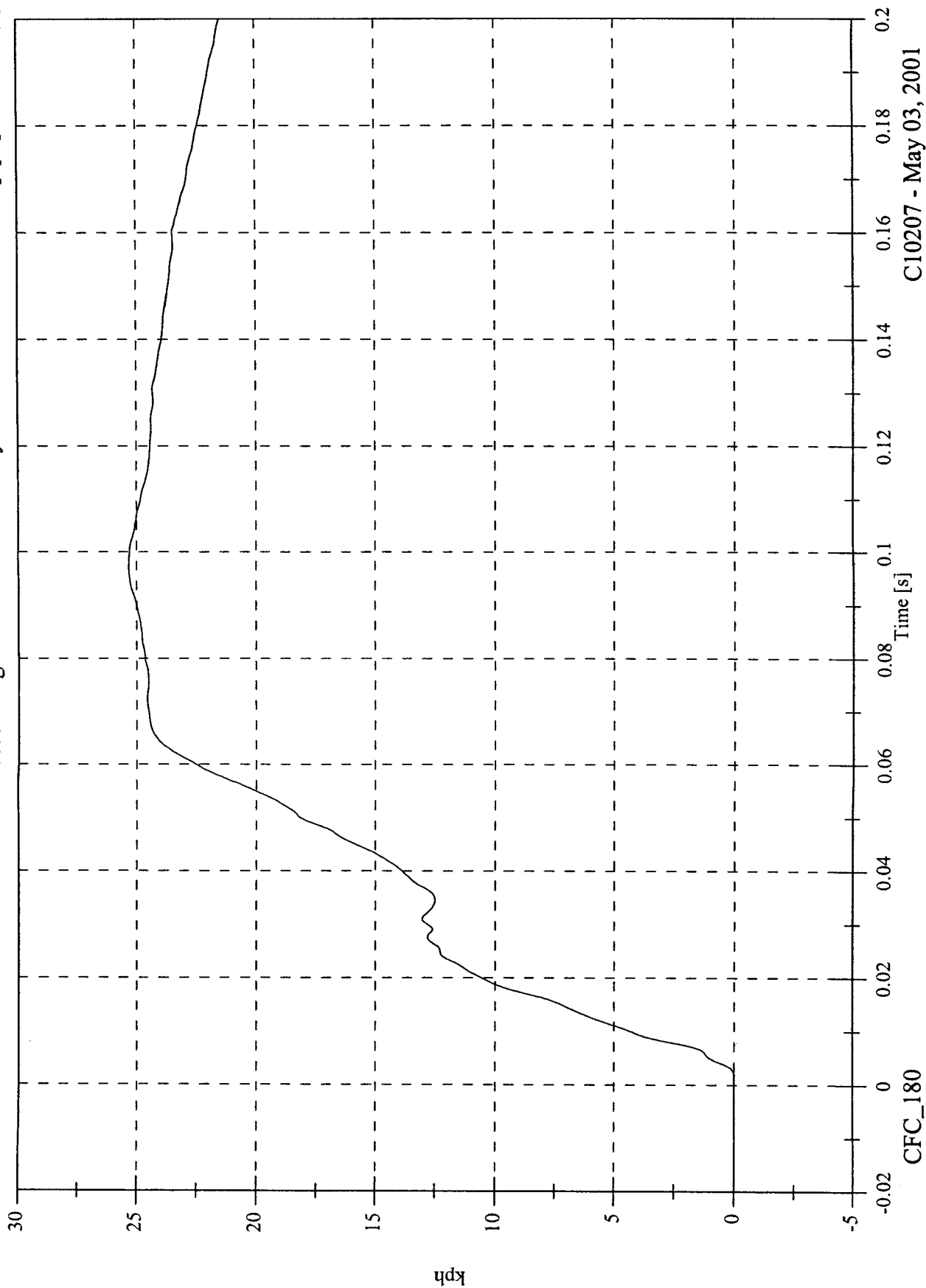


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 25.3 [kph] at 0.097 [s]
Min: -0.0 [kph] at -0.018 [s]

Acc 2 Right Rear Sill Y Velocity



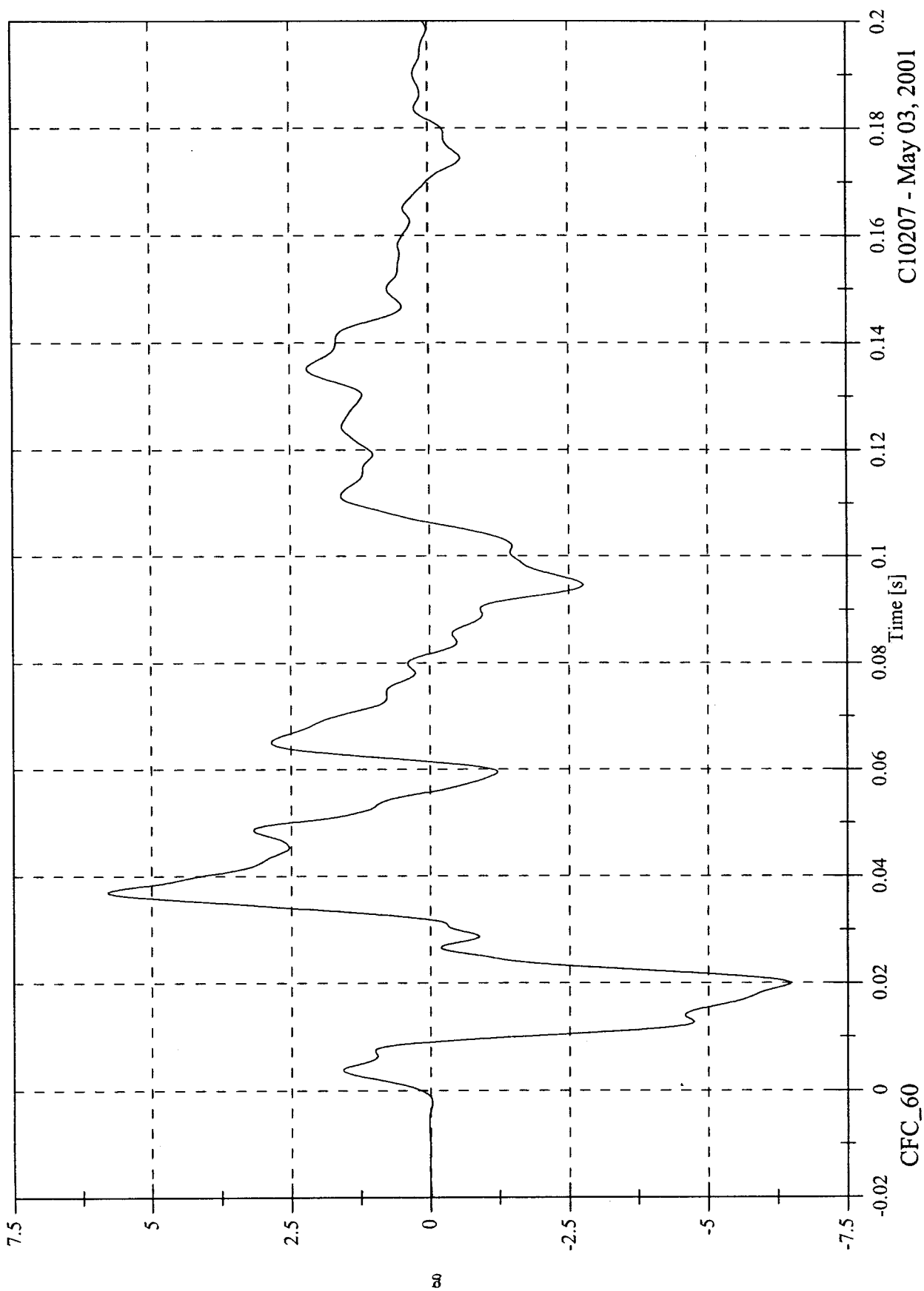
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 5.8 [g] at 0.037 [s]

Acc 2 Right Rear Sill Z

Min: -6.5 [g] at 0.020 [s]

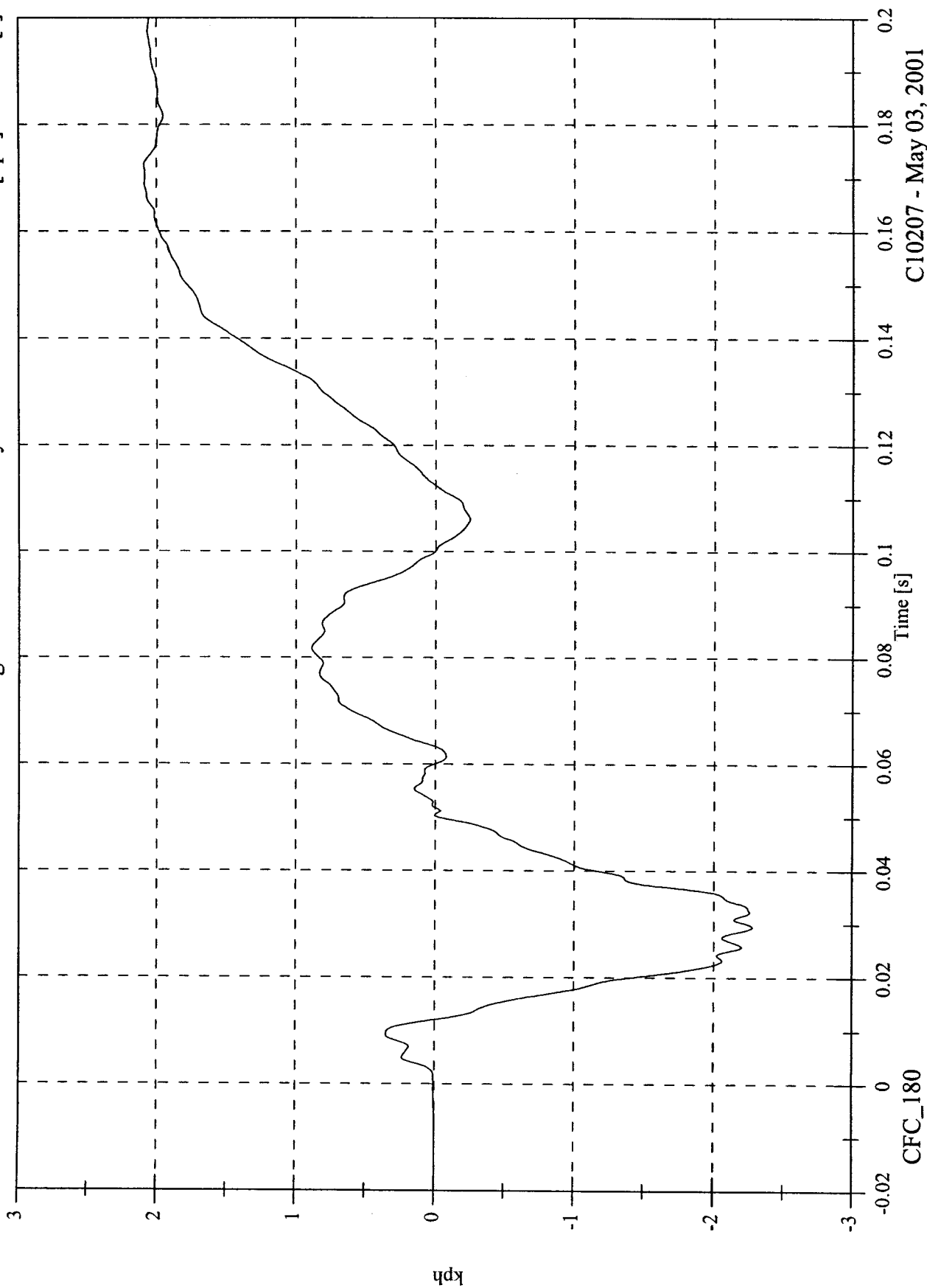


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 2 Right Rear Sill Z Velocity

Max: 2.1 [kph] at 0.172 [s]
Min: -2.3 [kph] at 0.030 [s]

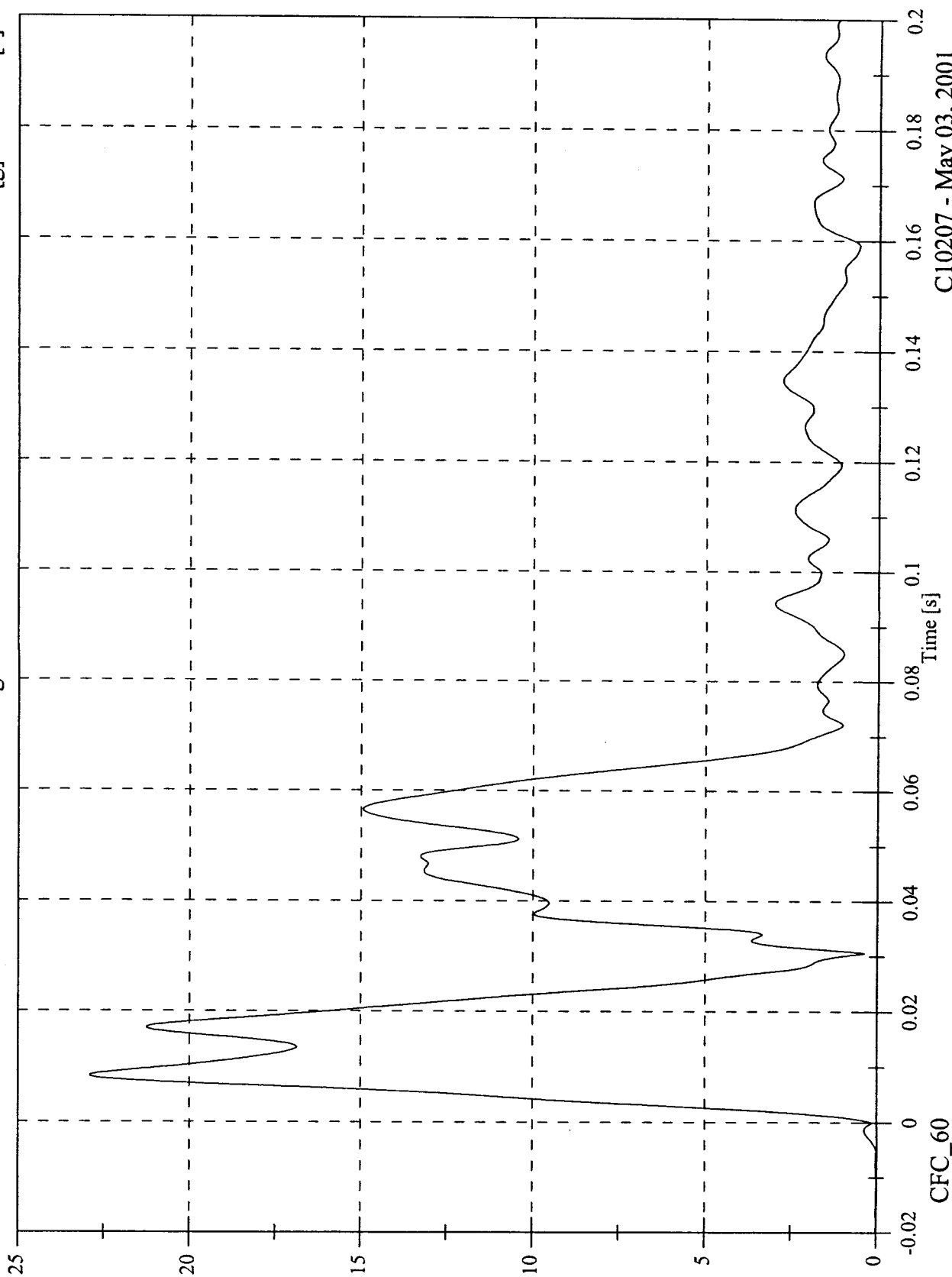


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FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 2 Right Rear Sill Resultant

Max: 22.9 [g] at 0.008 [s]
Min: 0.0 [g] at -0.018 [s]

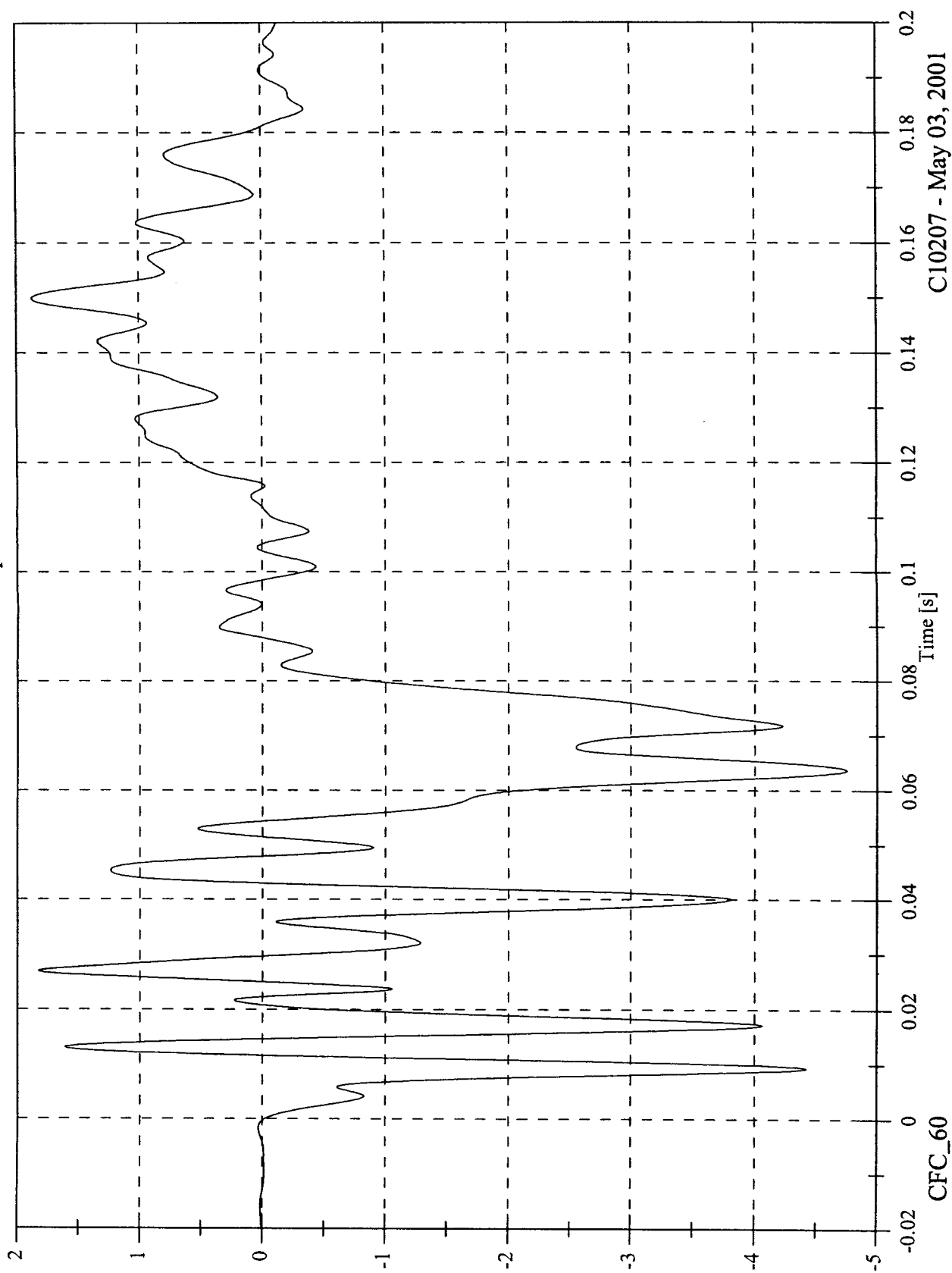


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FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 3 Rear Floorpan X

Max: 1.9 [g] at 0.150 [s]
Min: -4.8 [g] at 0.064 [s]

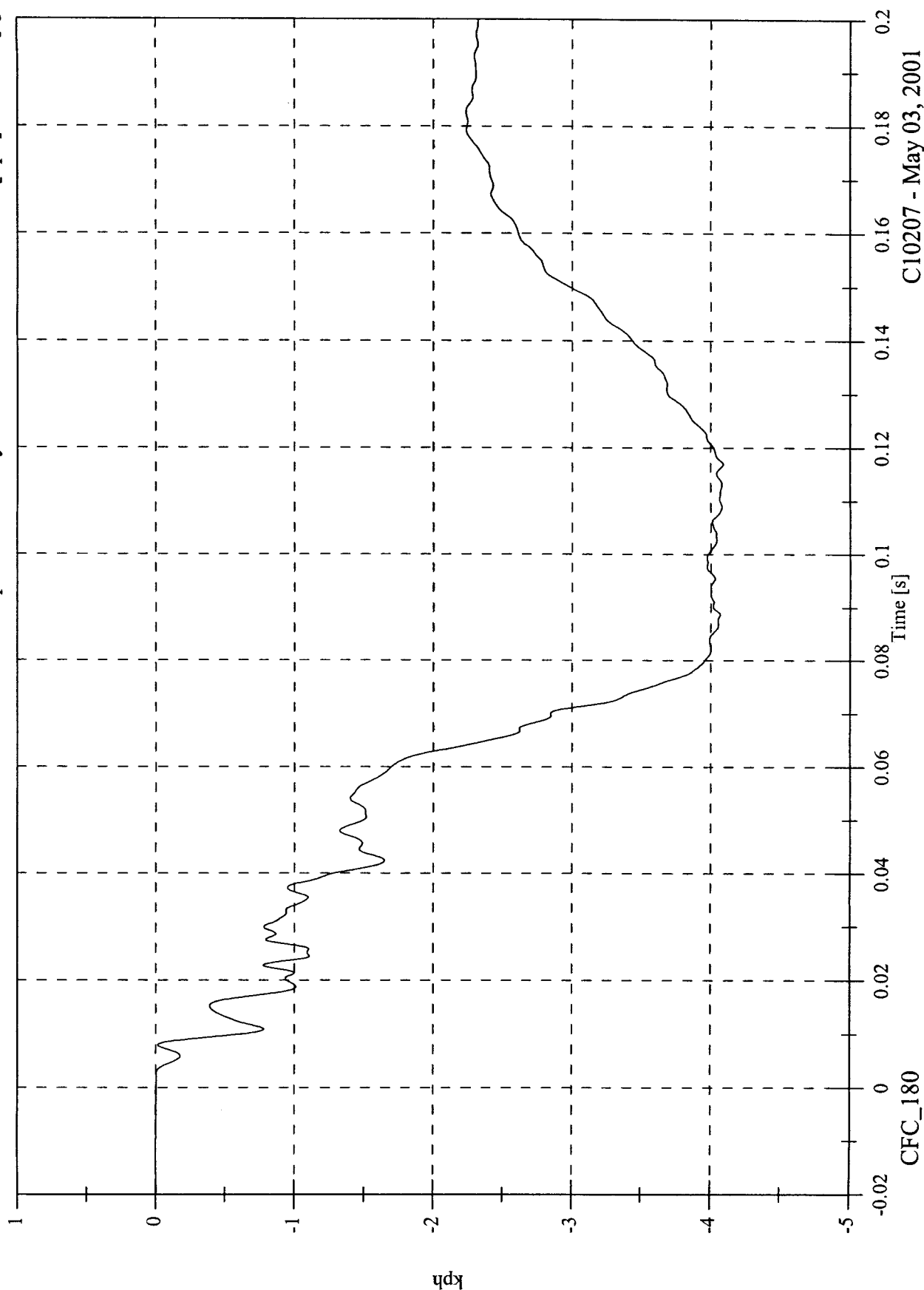


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 3 Rear Floorpan X Velocity

Max: 0.0 [kph] at -0.014 [s]
 Min: -4.1 [kph] at 0.117 [s]

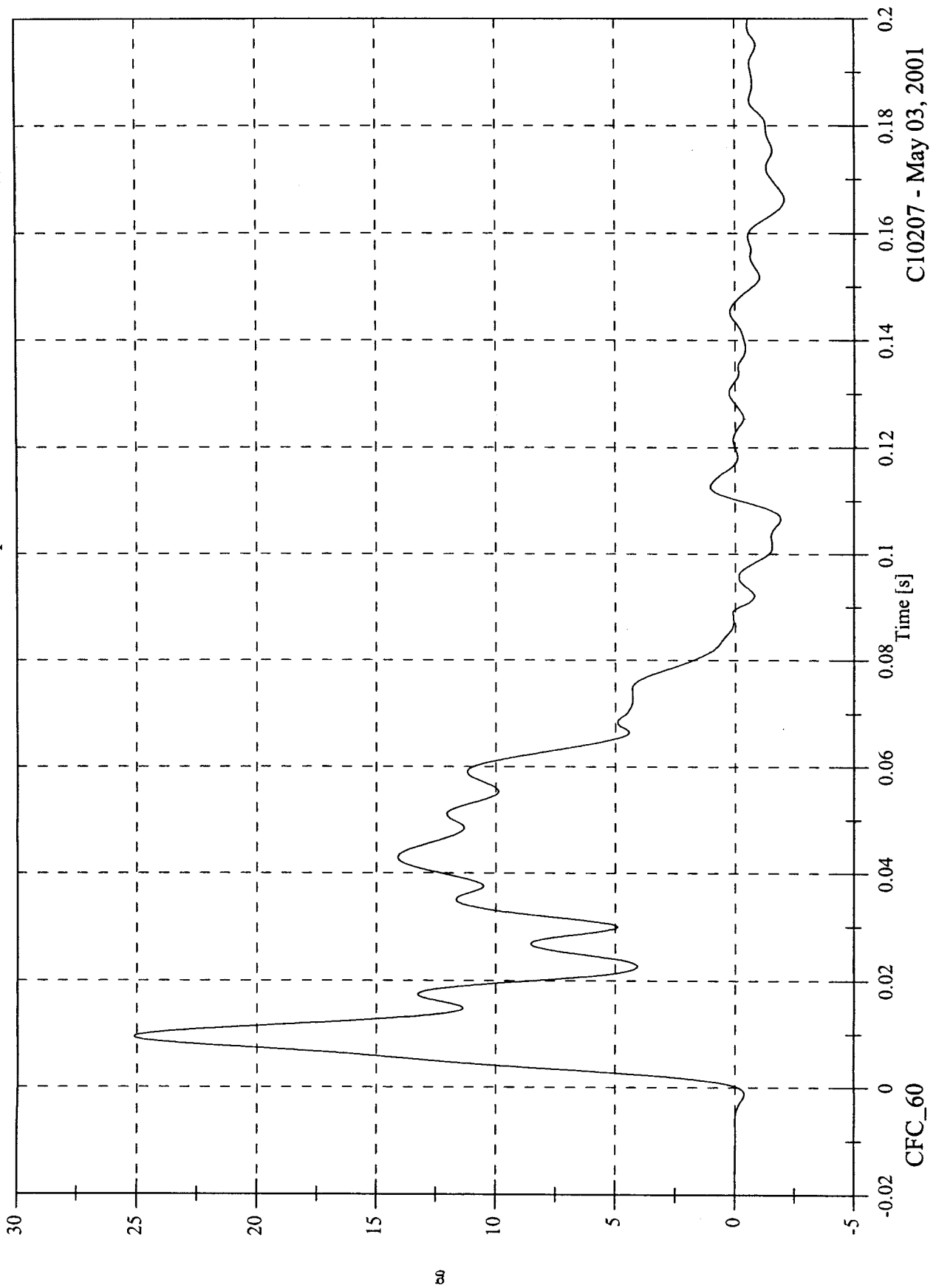


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 25.1 [g] at 0.010 [s]
Min: -2.1 [g] at 0.166 [s]

Acc 3 Rear Floorpan Y

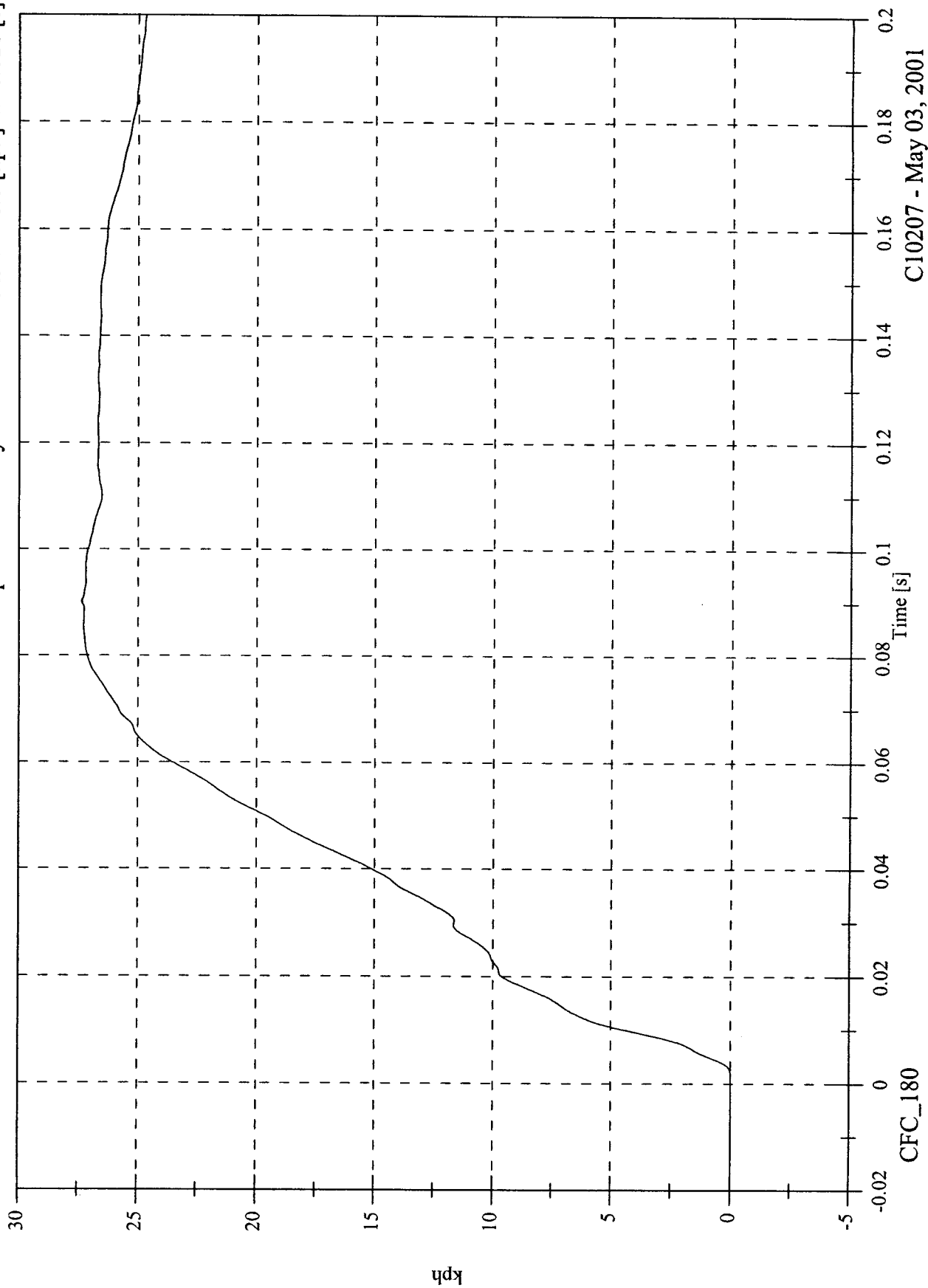


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FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 27.4 [kph] at 0.090 [s]
Min: -0.0 [kph] at -0.020 [s]

Acc 3 Rear Floorpan Y Velocity

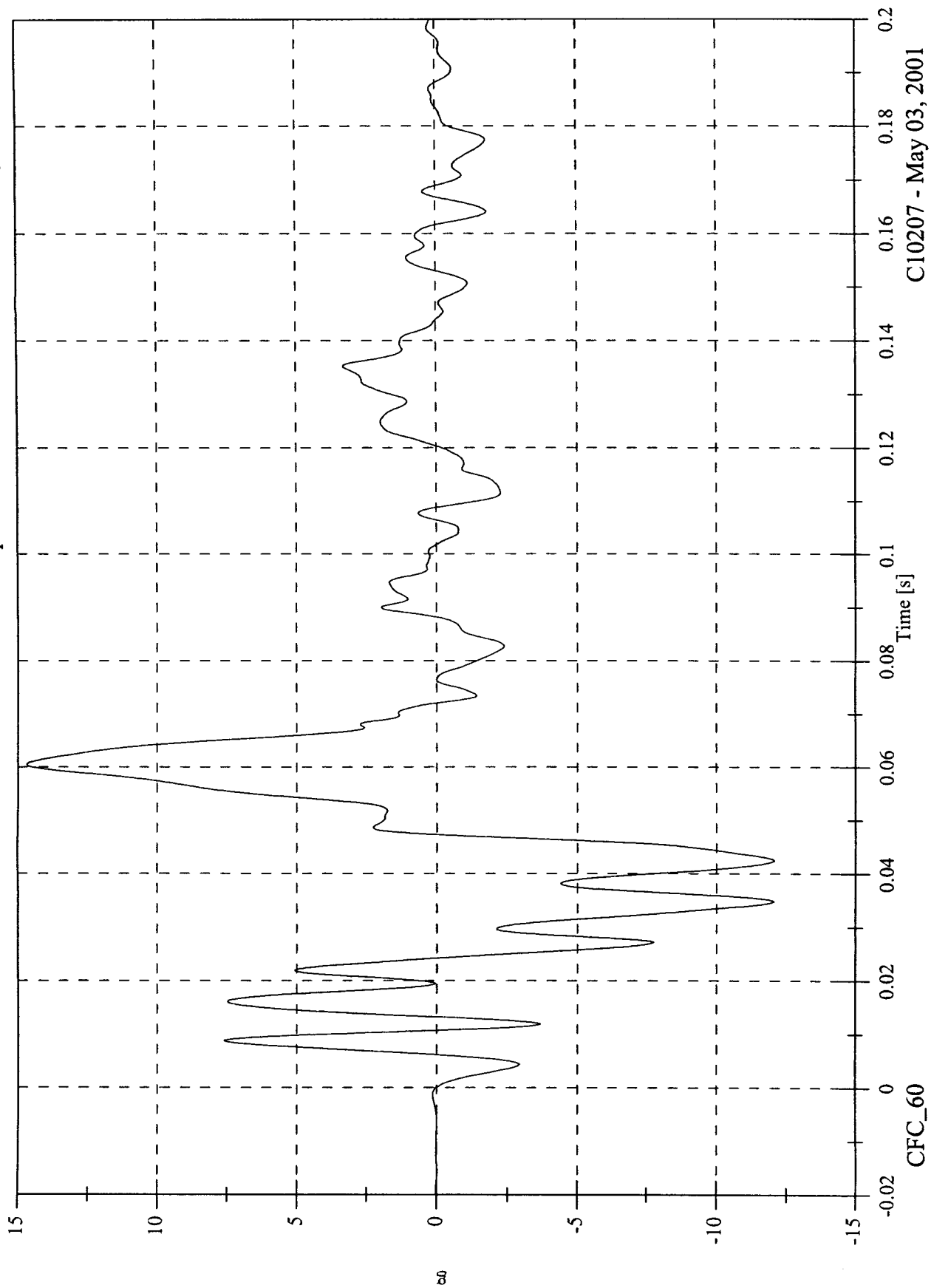


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FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 14.7 [g] at 0.060 [s]
Min: -12.1 [g] at 0.043 [s]

Acc 3 Rear Floorpan Z

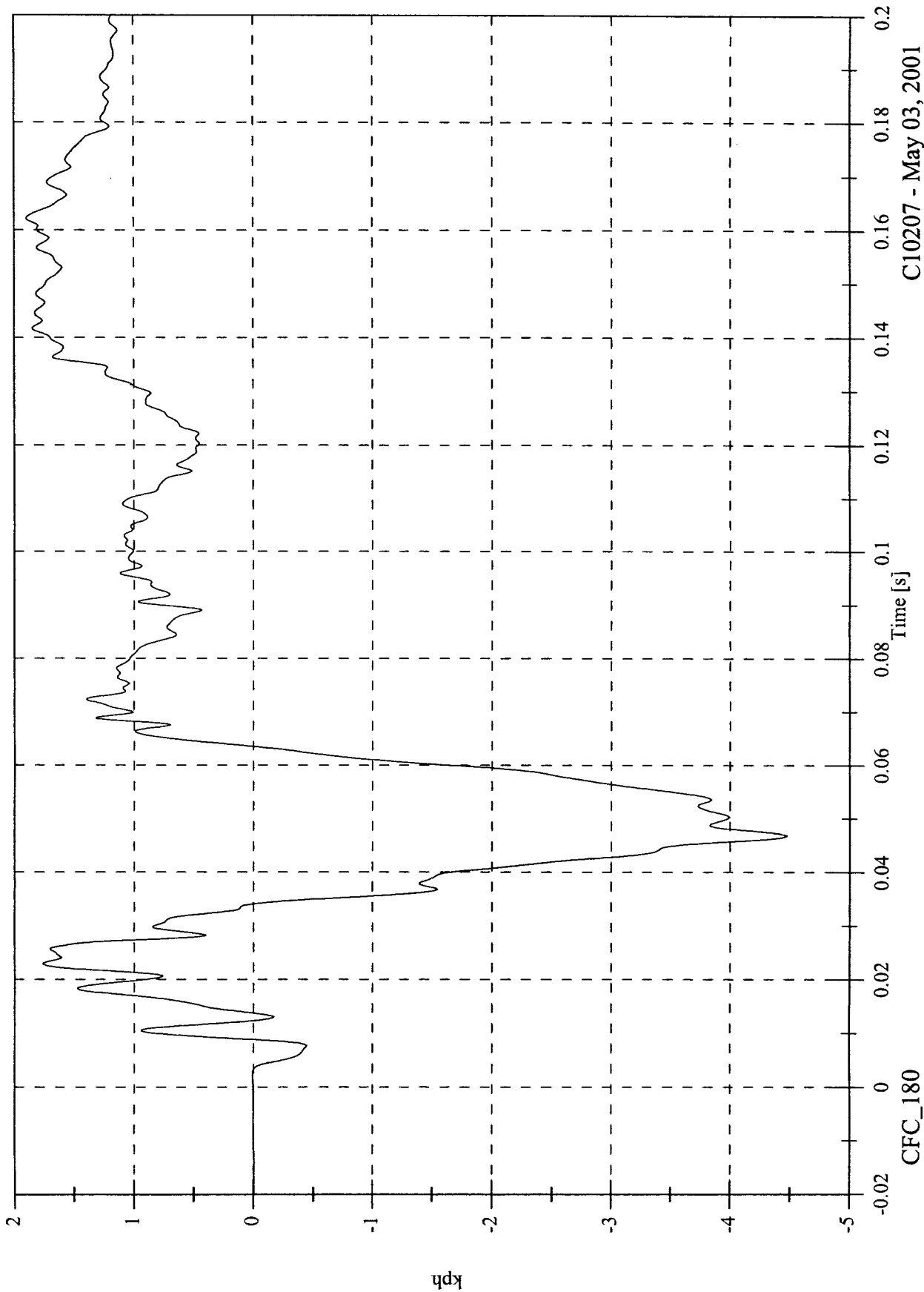


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 1.9 [kph] at 0.162 [s]
 Min: -4.5 [kph] at 0.047 [s]

Acc 3 Rear Floorpan Z Velocity

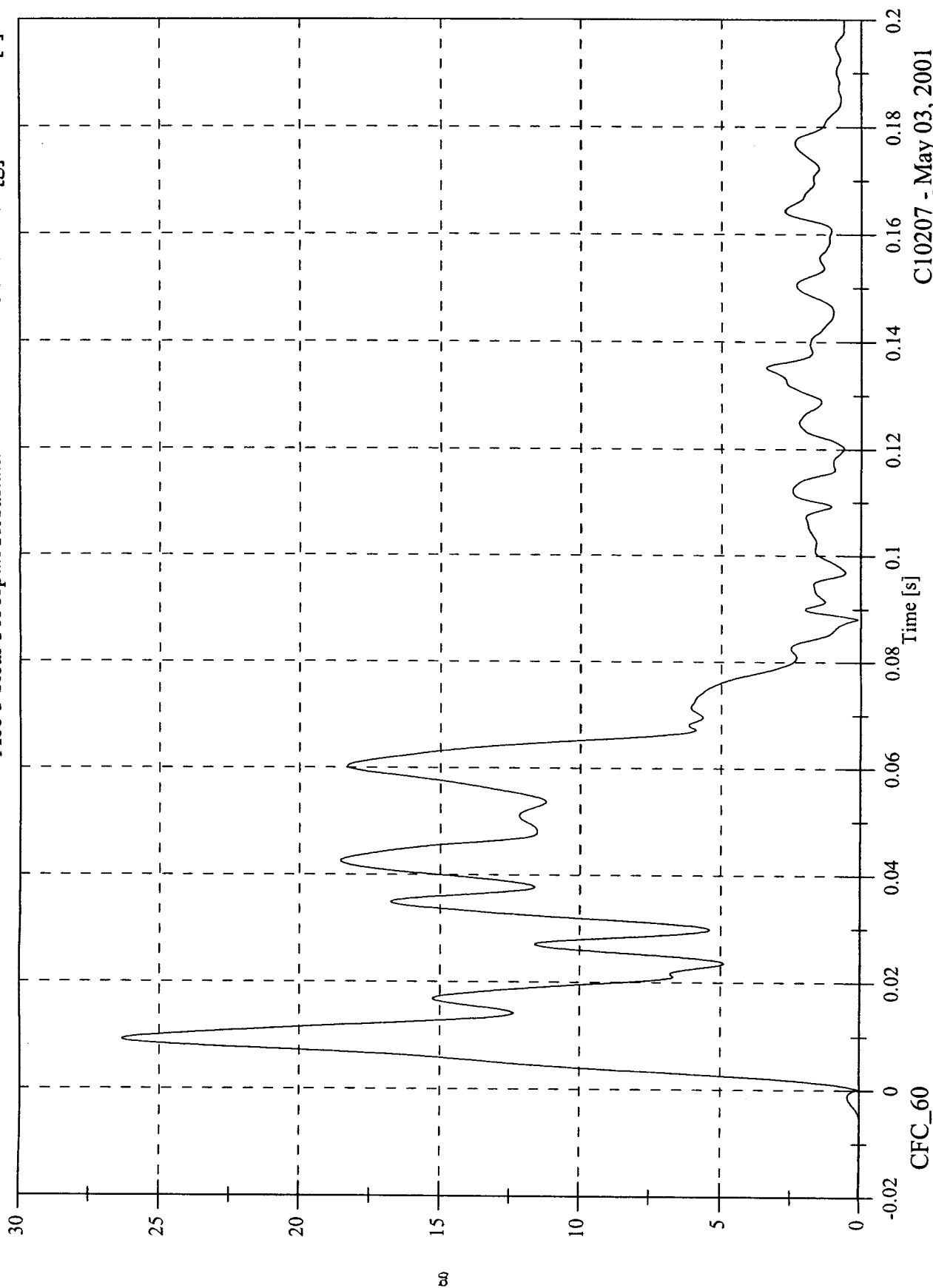


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 3 Rear Floorpan Resultant

Max: 26.3 [g] at 0.009 [s]
Min: 0.0 [g] at -0.005 [s]

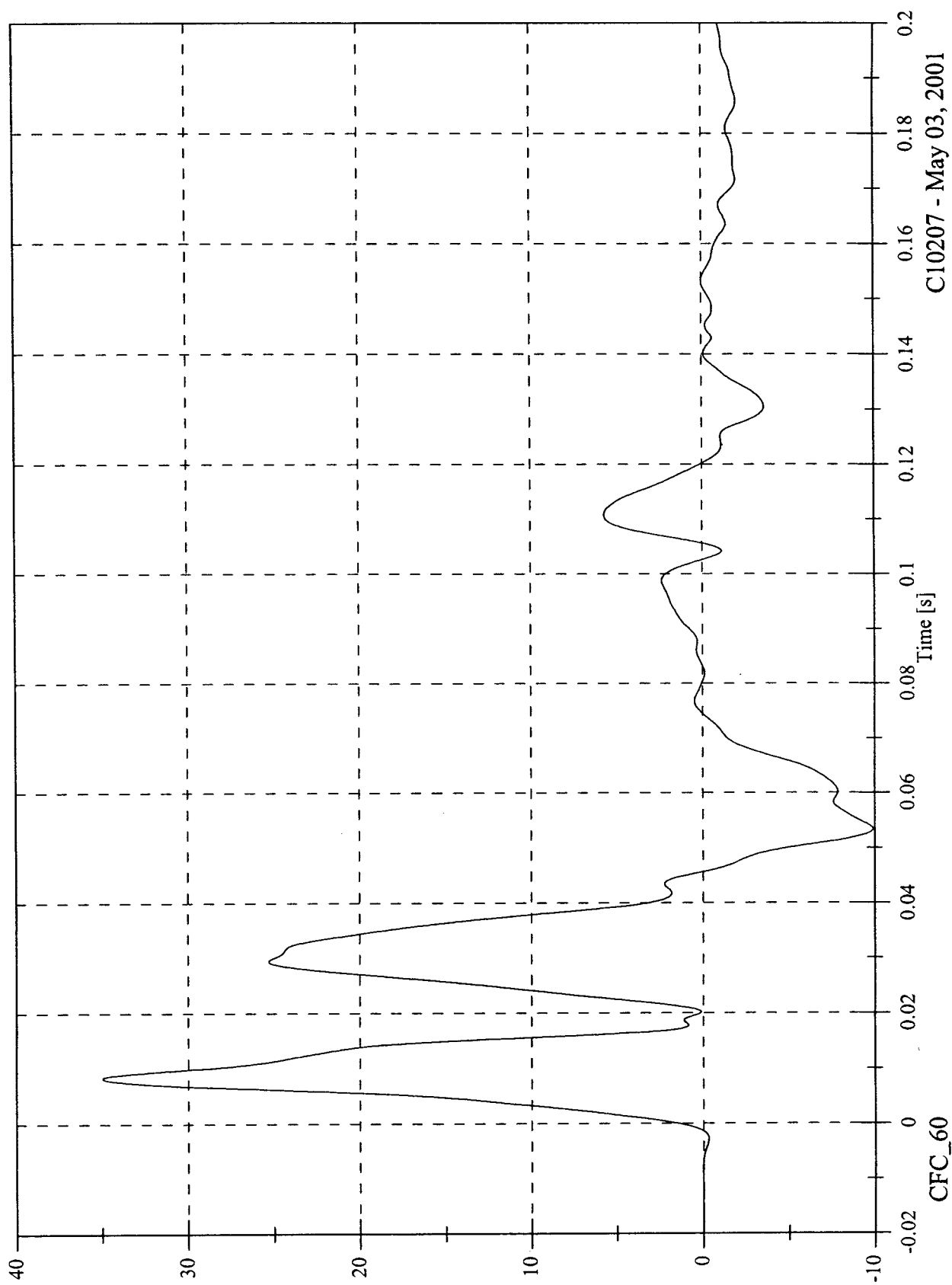


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 35.0 [g] at 0.008 [s]
Min: -9.9 [g] at 0.053 [s]

Acc 4 Left Rear Sill Y

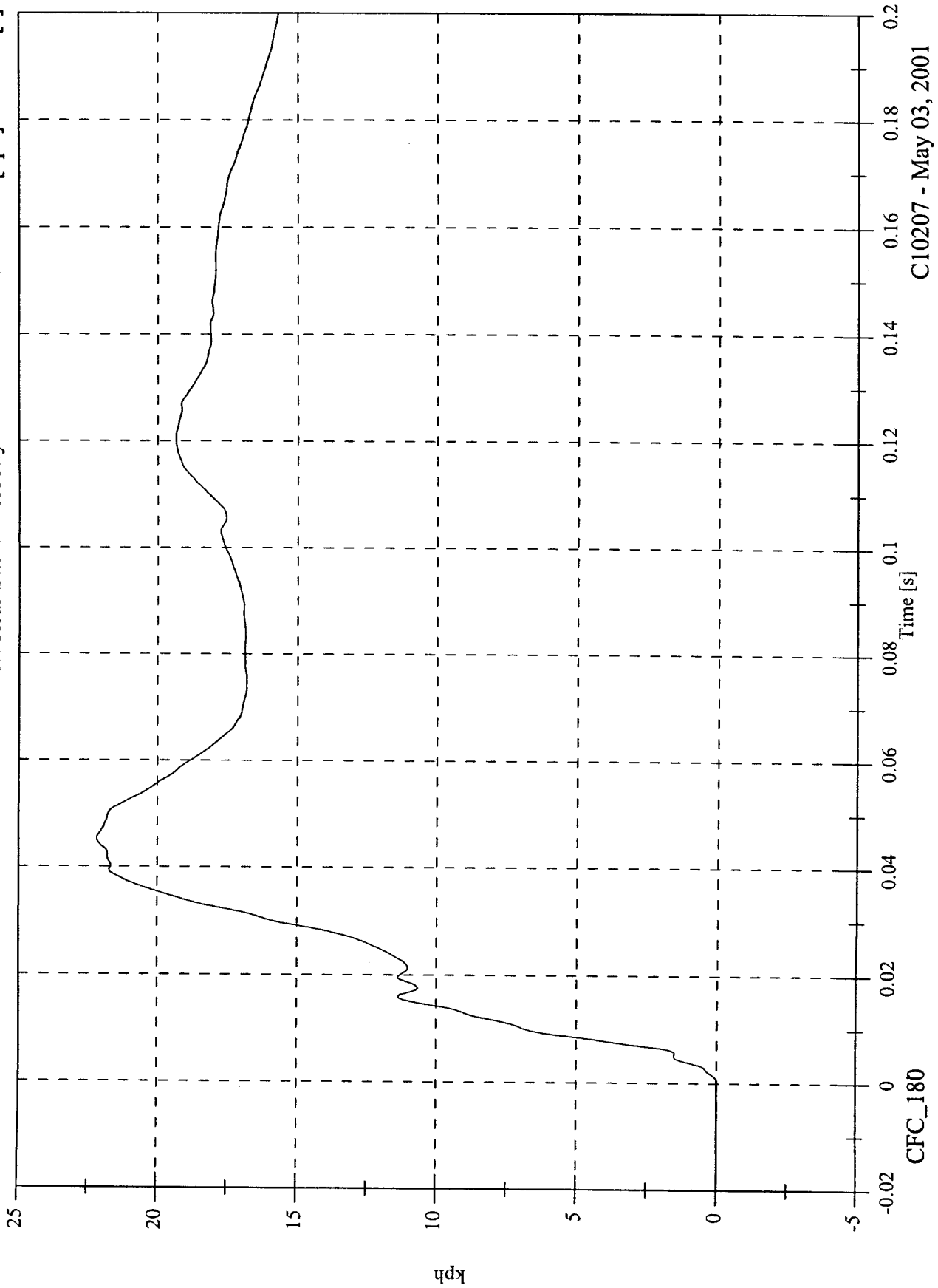


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FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 22.2 [kph] at 0.045 [s]
Min: -0.0 [kph] at 0.000 [s]

Acc 4 Left Rear Sill Y Velocity

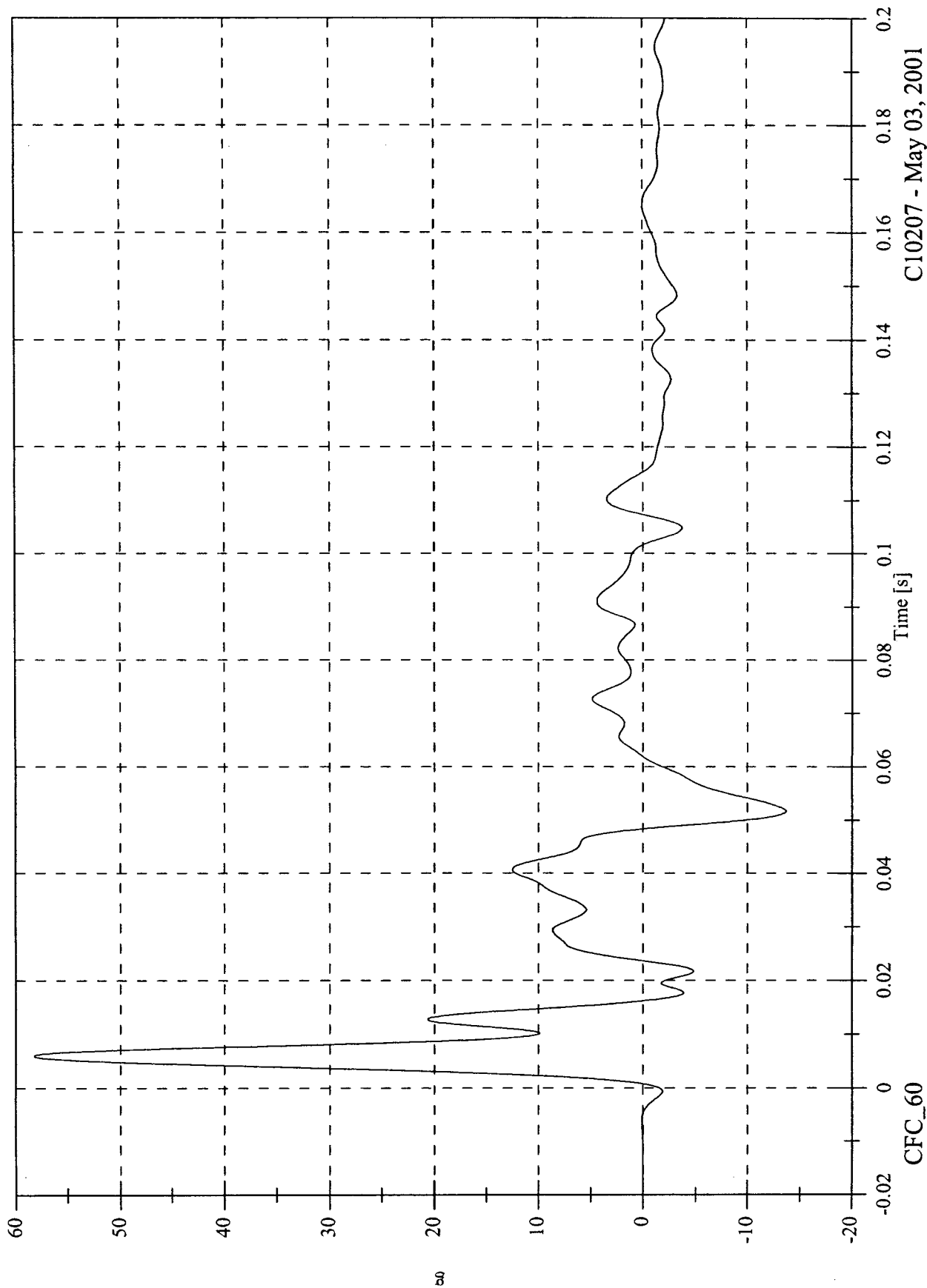


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Acc 5 Left Front Sill Y

Max: 58.3 [g] at 0.006 [s]
Min: -13.7 [g] at 0.052 [s]

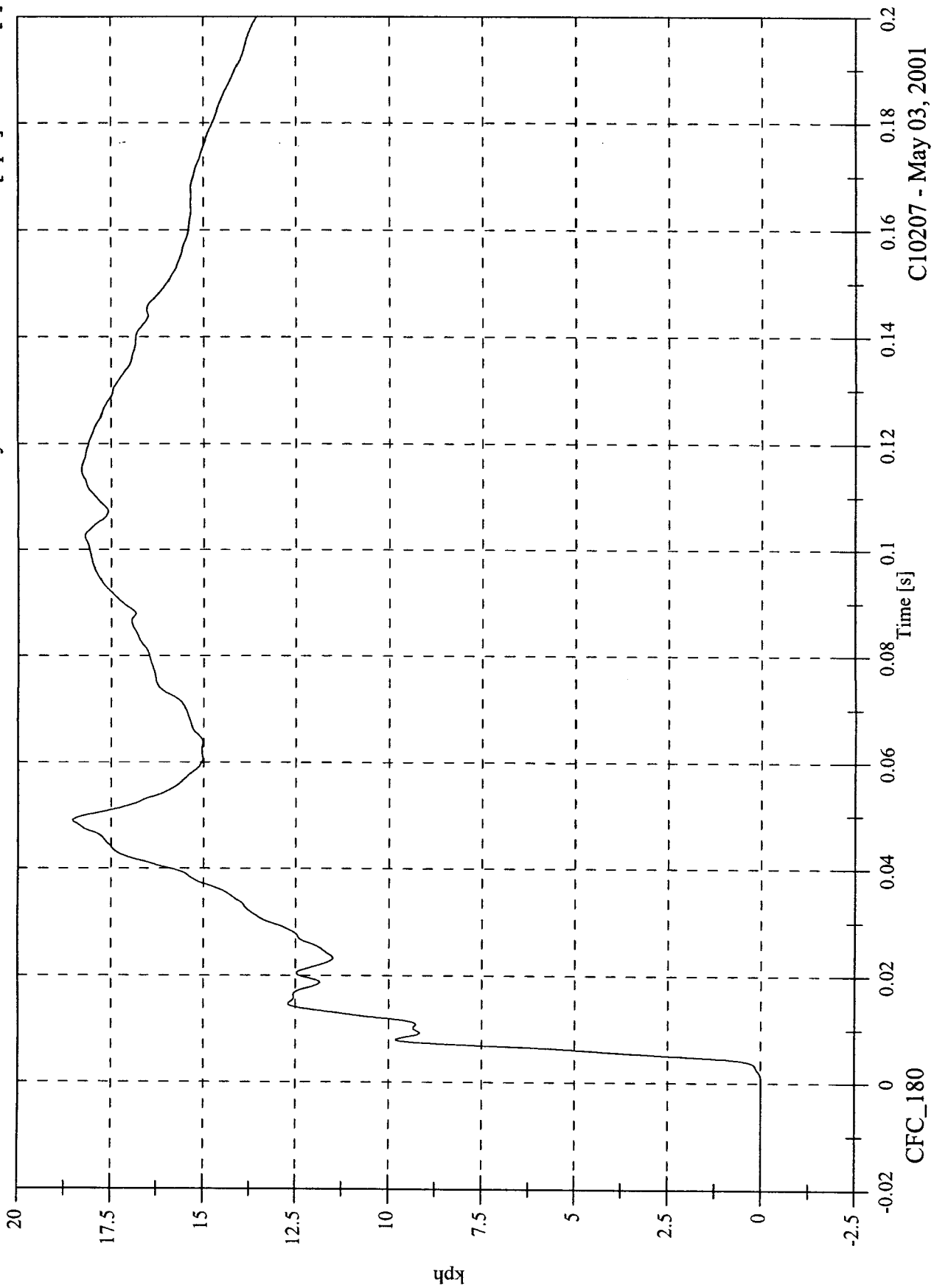


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 18.5 [kph] at 0.049 [s]
Min: -0.0 [kph] at -0.018 [s]

Acc 5 Left Front Sill Y Velocity

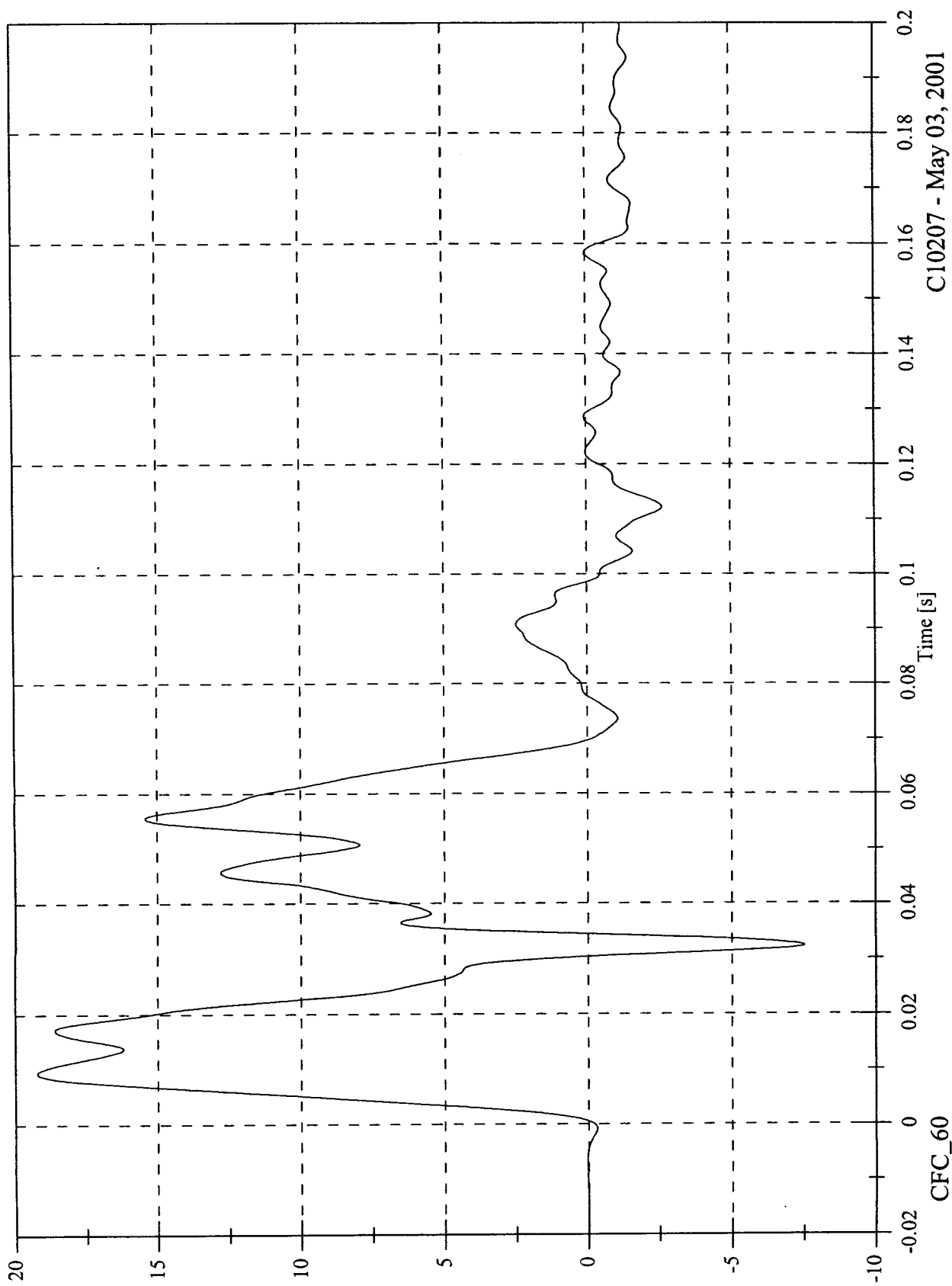


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FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 7 Right Rear Compartment Y

Max: 19.2 [g] at 0.009 [s]
Min: -7.5 [g] at 0.032 [s]

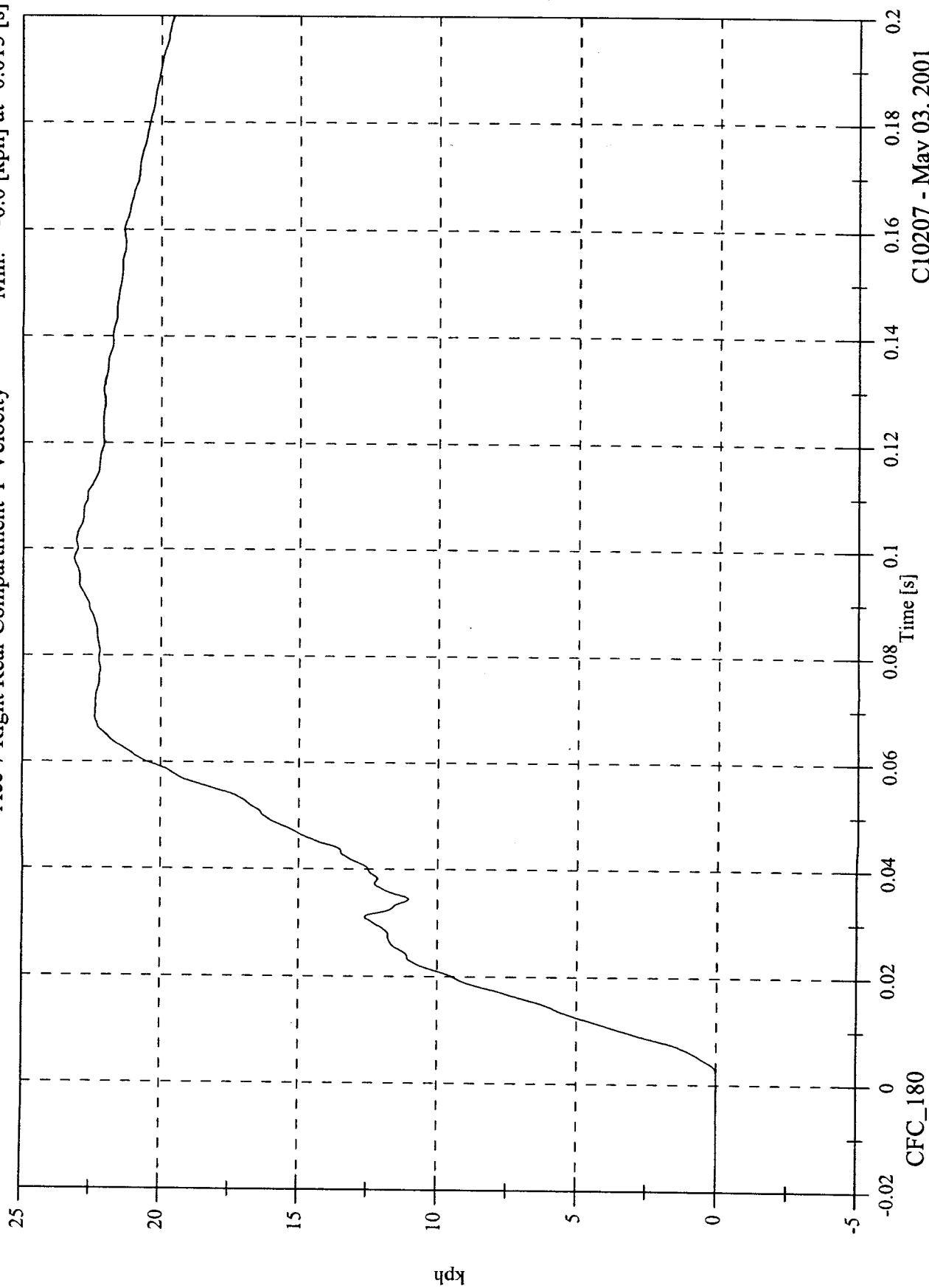


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 23.2 [kph] at 0.098 [s]
Min: -0.0 [kph] at -0.013 [s]

Acc 7 Right Rear Compartment Y Velocity

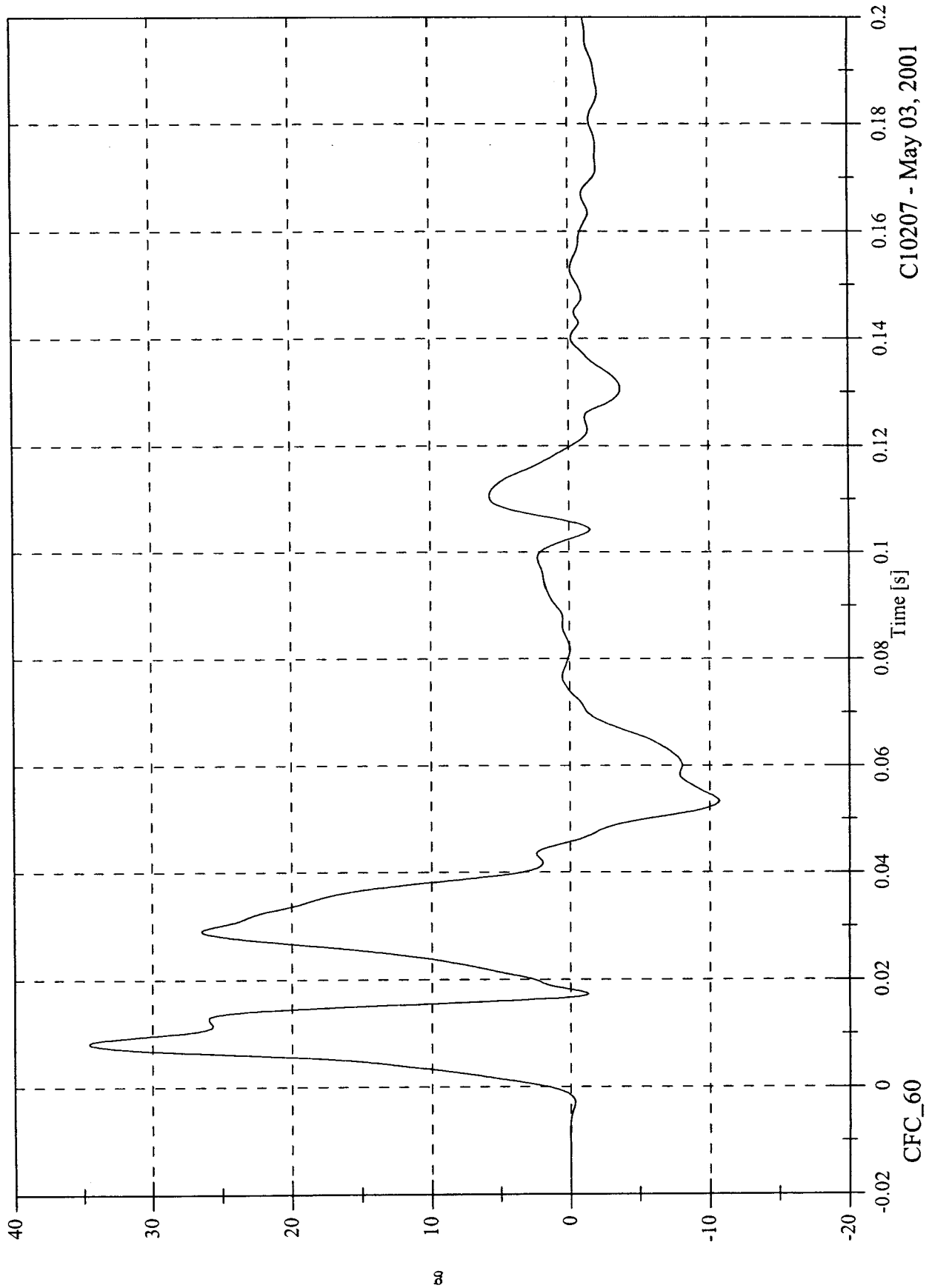


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FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 12 Left Lower B Post Y

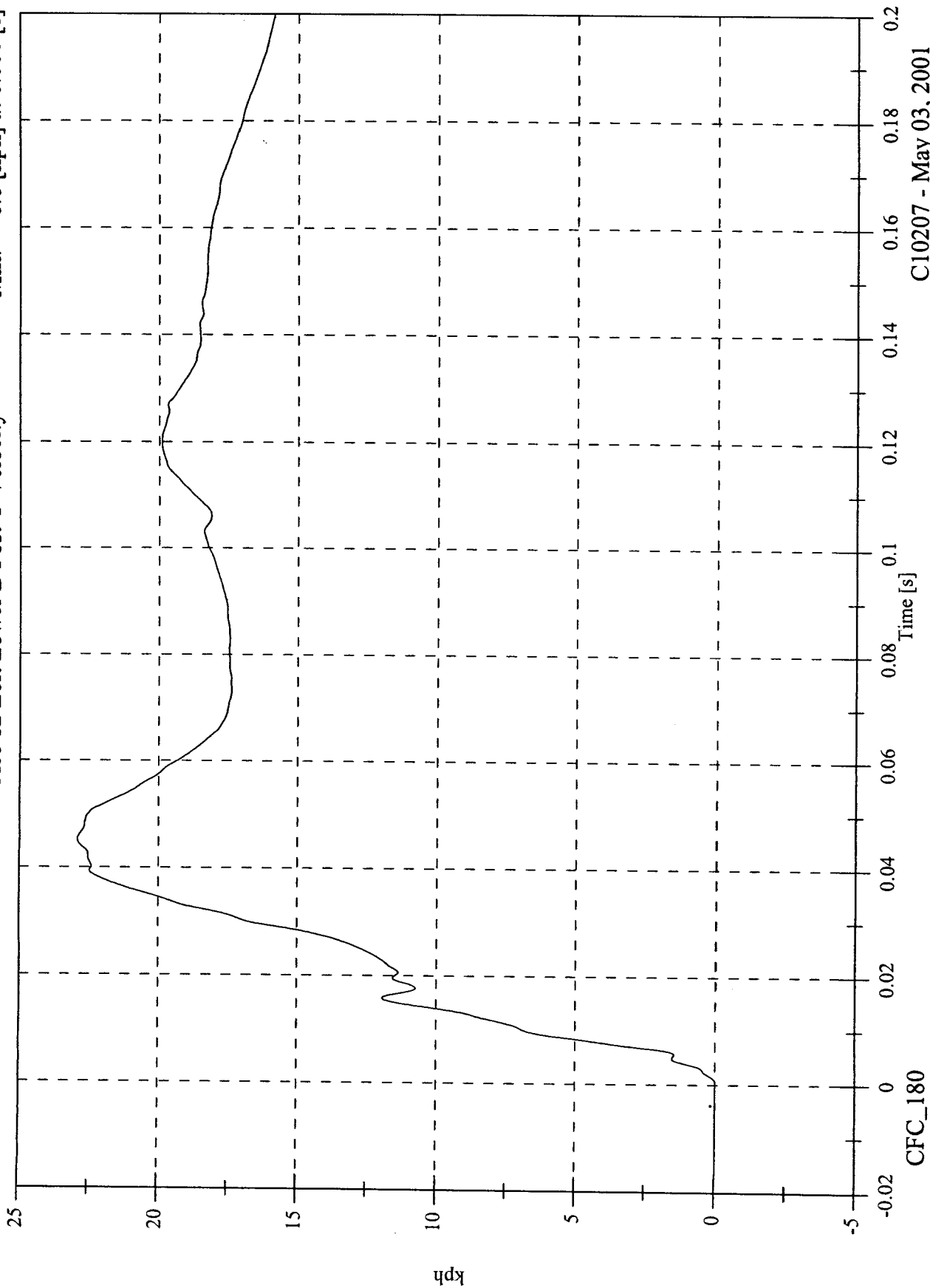
Max: 34.6 [g] at 0.008 [s]
Min: -10.7 [g] at 0.053 [s]



FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 22.9 [kph] at 0.045 [s]
Min: -0.0 [kph] at 0.000 [s]

Acc 12 Left Lower B Post Y Velocity

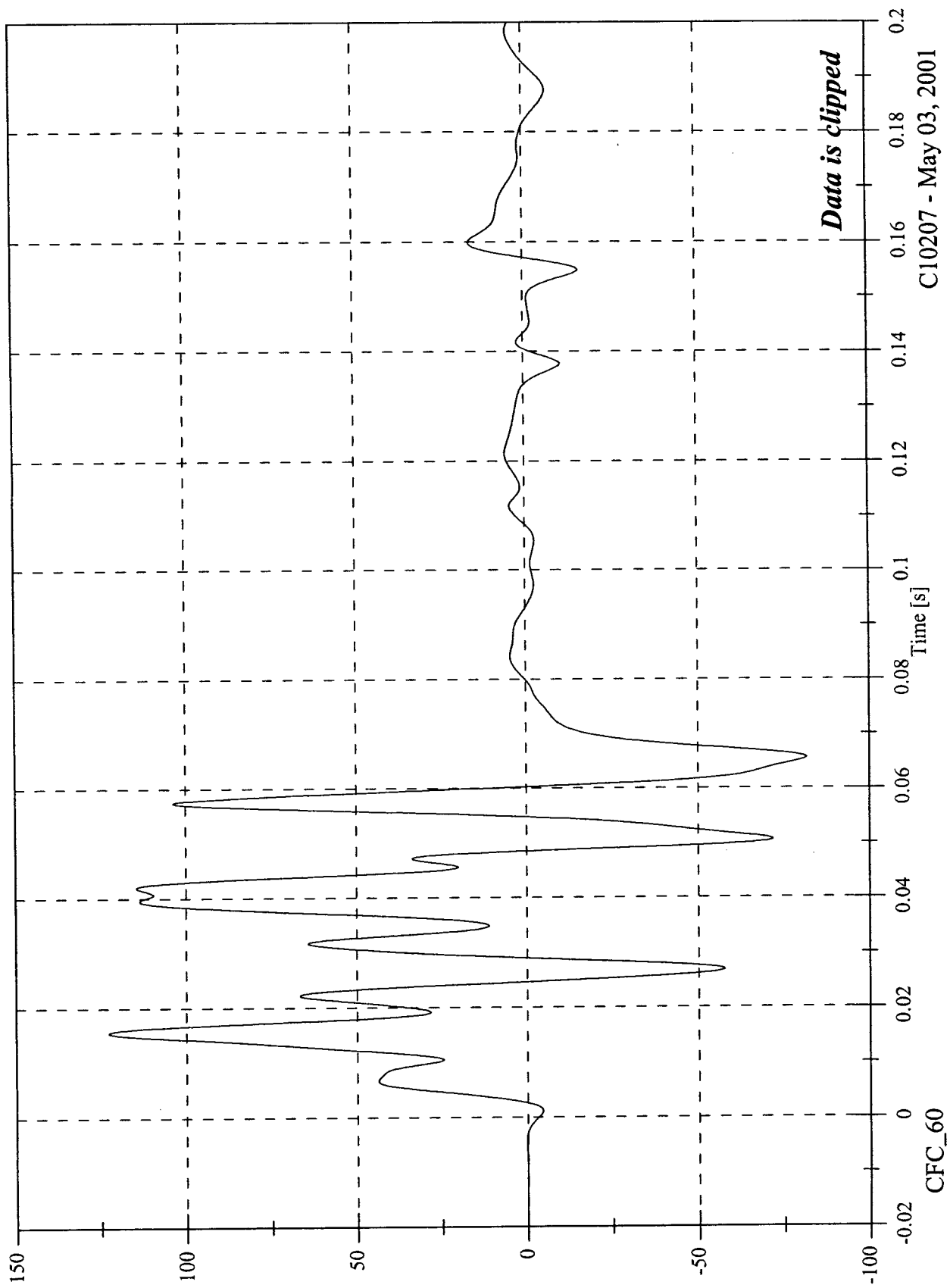


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 13 Left Mid B Post Y

Max: 122.8 [g] at 0.015 [s]
Min: -81.6 [g] at 0.066 [s]



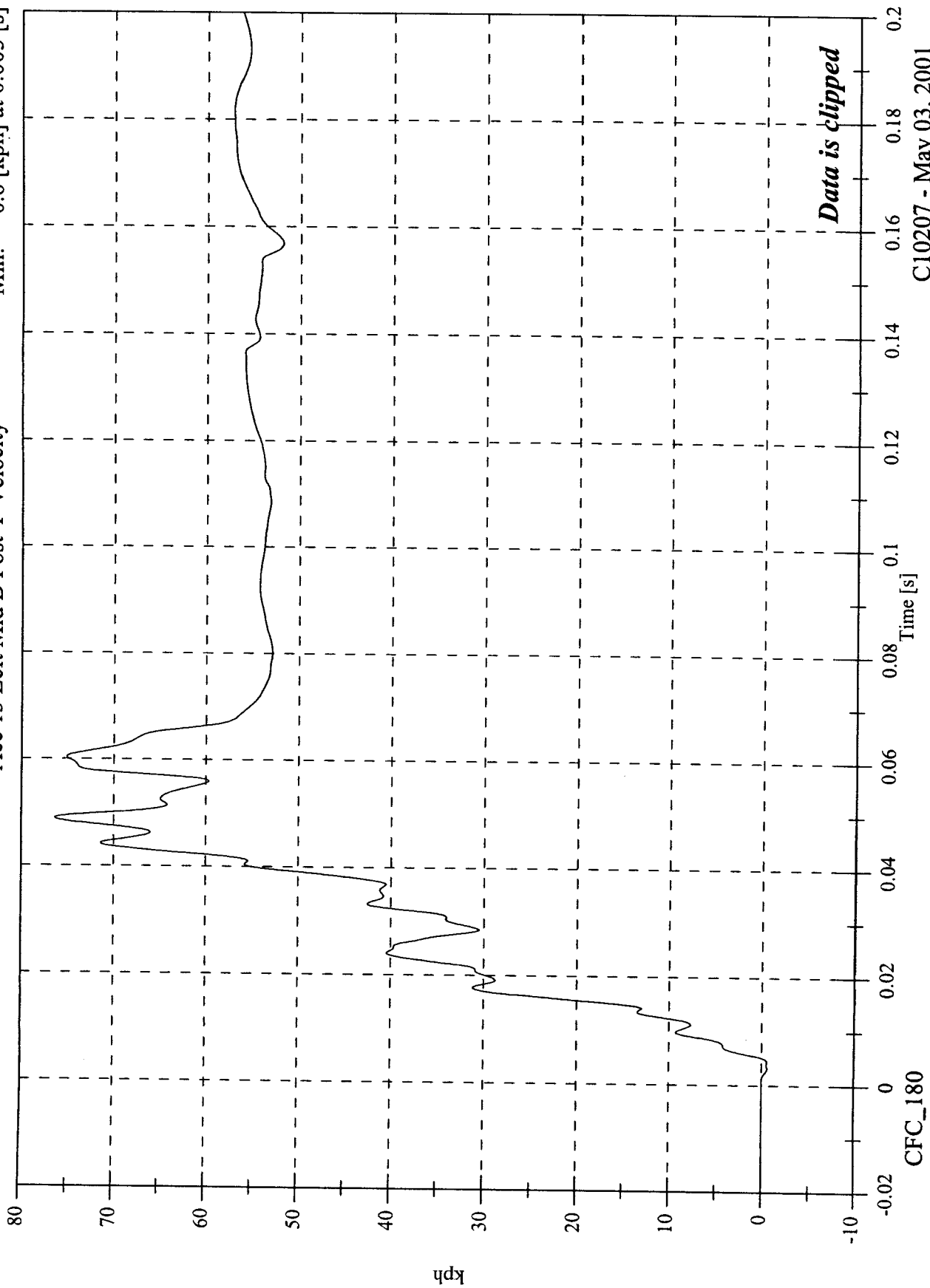
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 13 Left Mid B Post Y Velocity

Max: 76.4 [kph] at 0.049 [s]

Min: -0.6 [kph] at 0.003 [s]

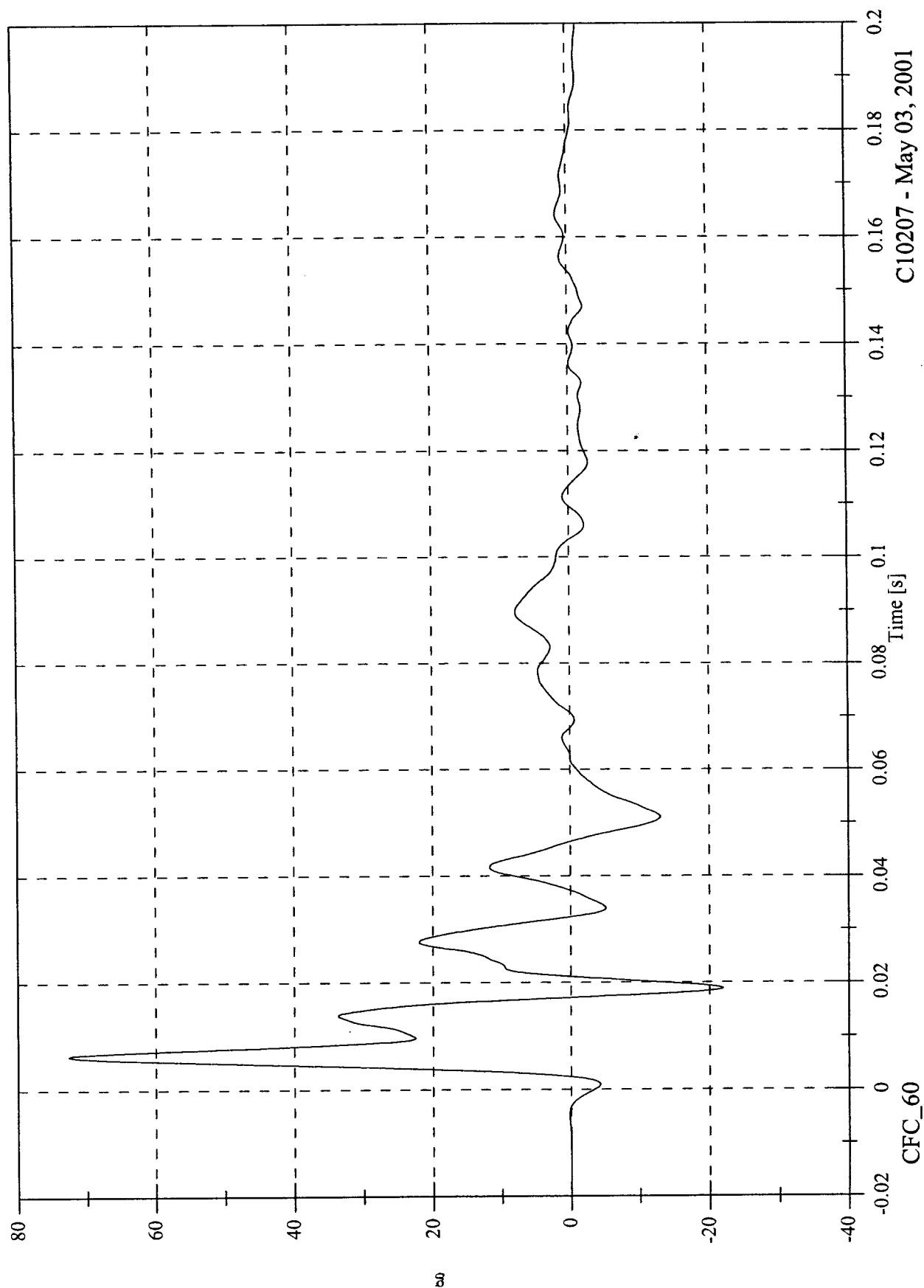


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 14 Left Lower A Post Y

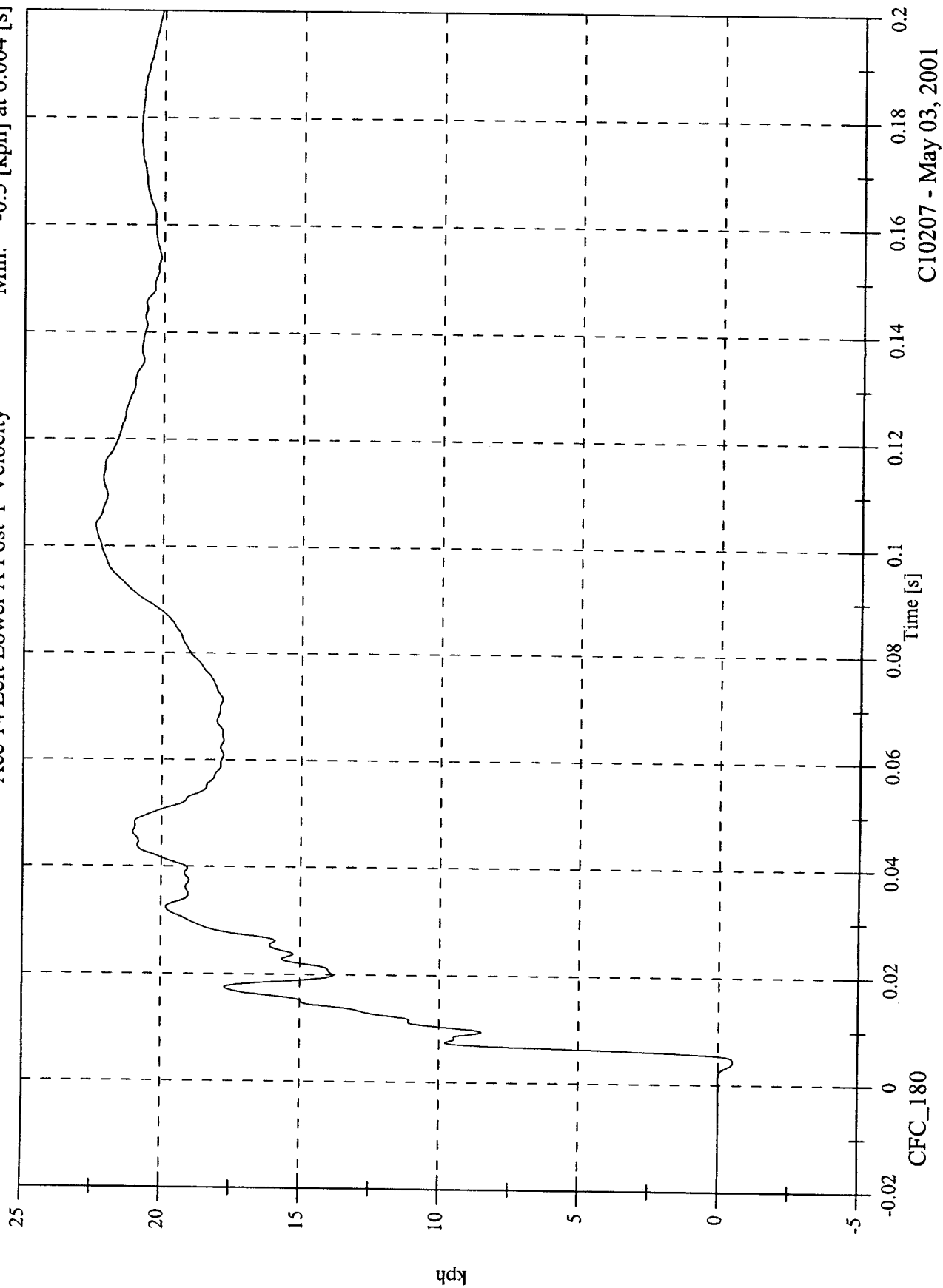
Max: 72.7 [g] at 0.006 [s]
Min: -22.0 [g] at 0.019 [s]



FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 14 Left Lower A Post Y Velocity

Max: 22.4 [kph] at 0.104 [s]
Min: -0.5 [kph] at 0.004 [s]

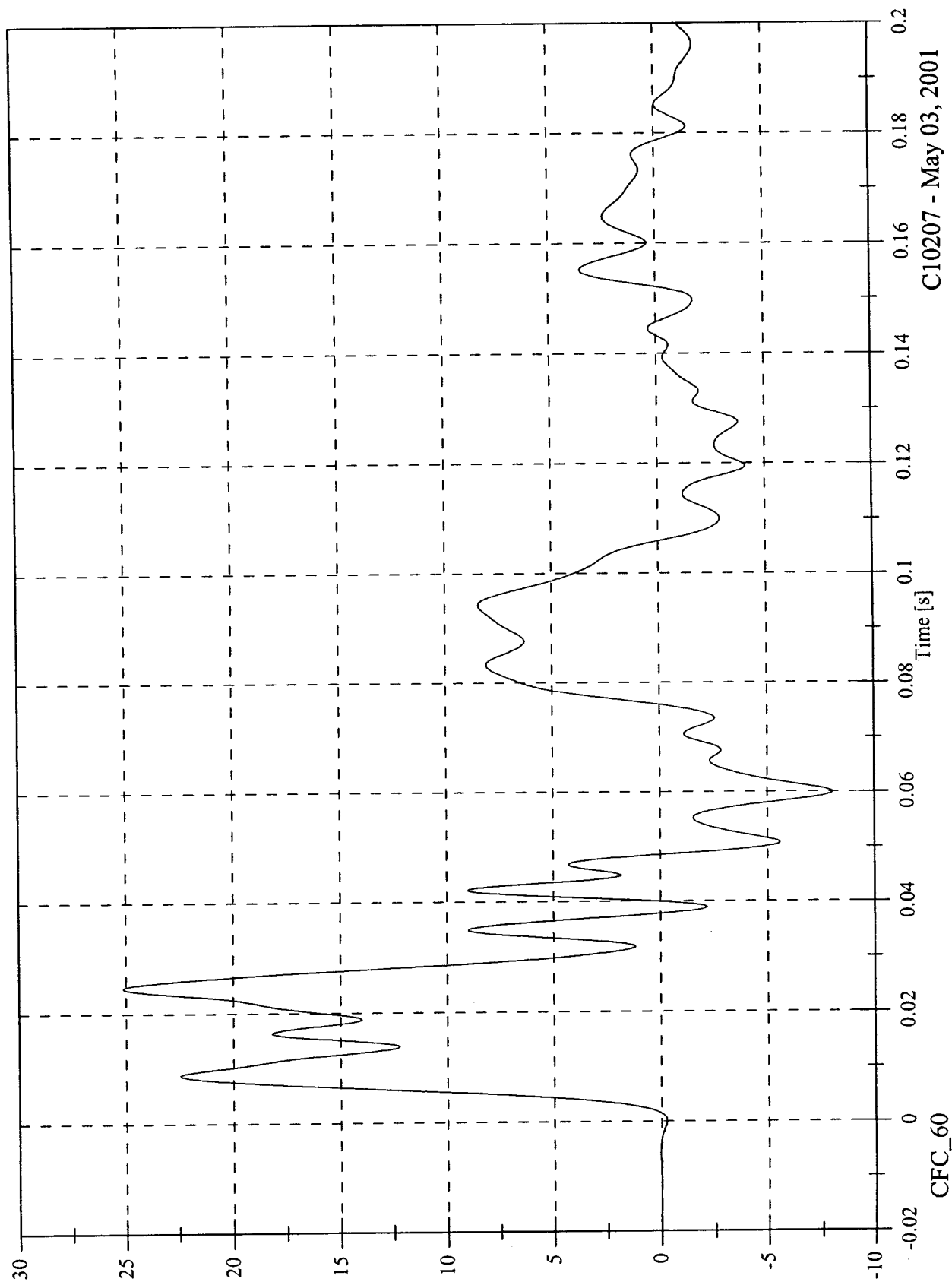


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 15 Left Mid A Post Y

Max: 25.1 [g] at 0.025 [s]
Min: -8.0 [g] at 0.060 [s]

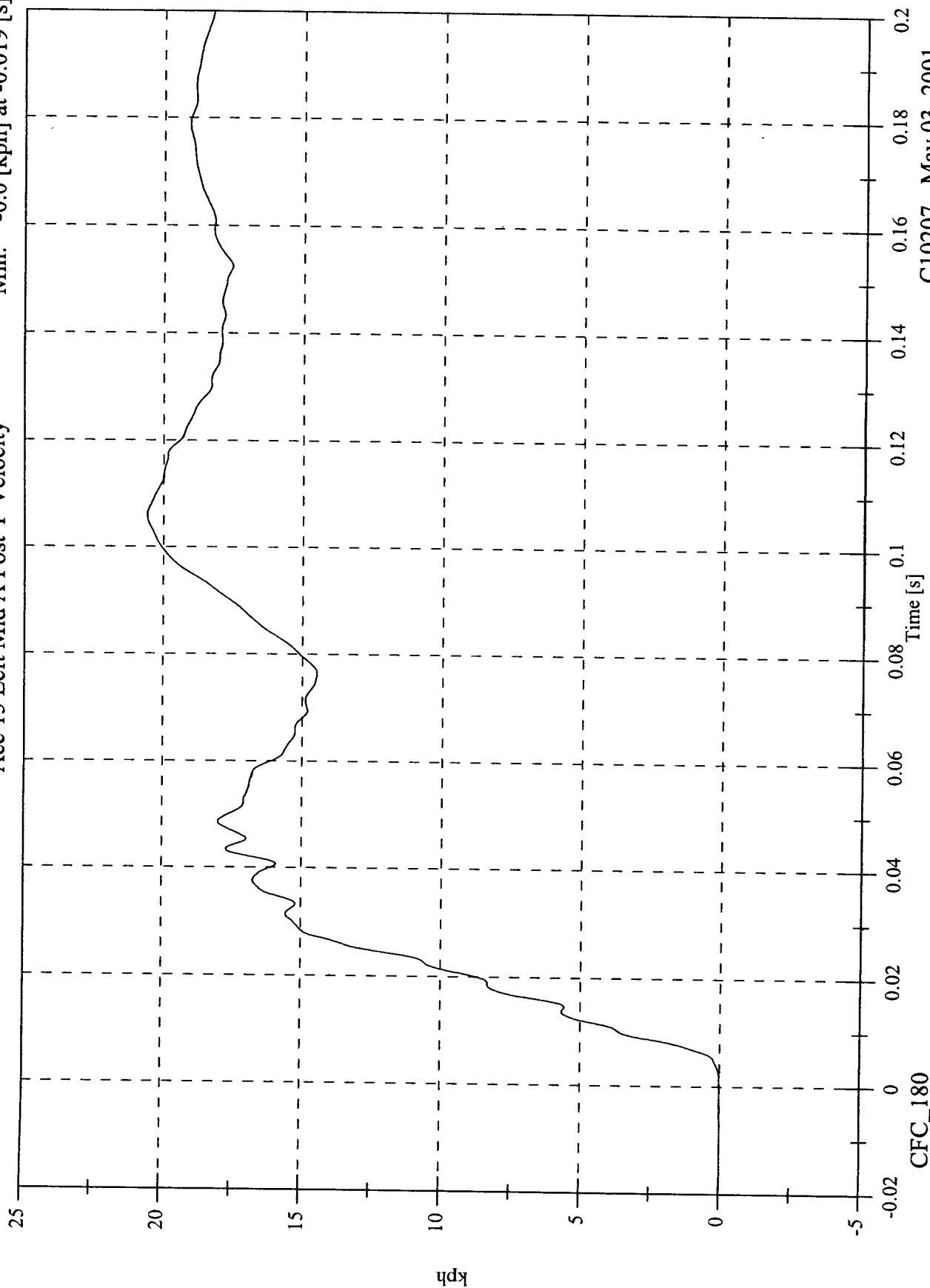


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 15 Left Mid A Post Y Velocity

Max: 20.6 [kph] at 0.106 [s]
Min: -0.0 [kph] at -0.019 [s]

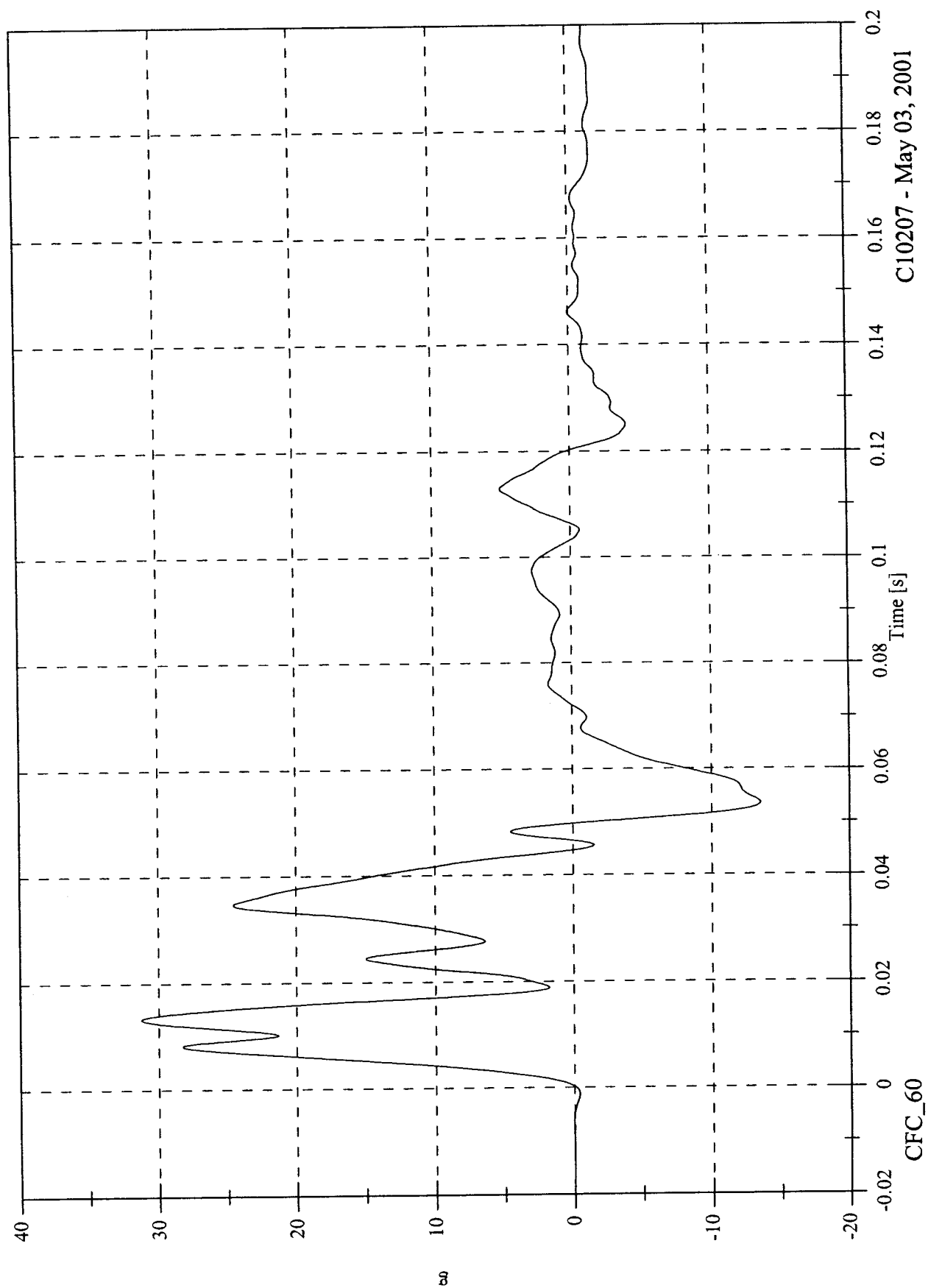


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 31.3 [g] at 0.013 [s]
Min: -13.6 [g] at 0.053 [s]

Acc 16 Front Seat Track Y

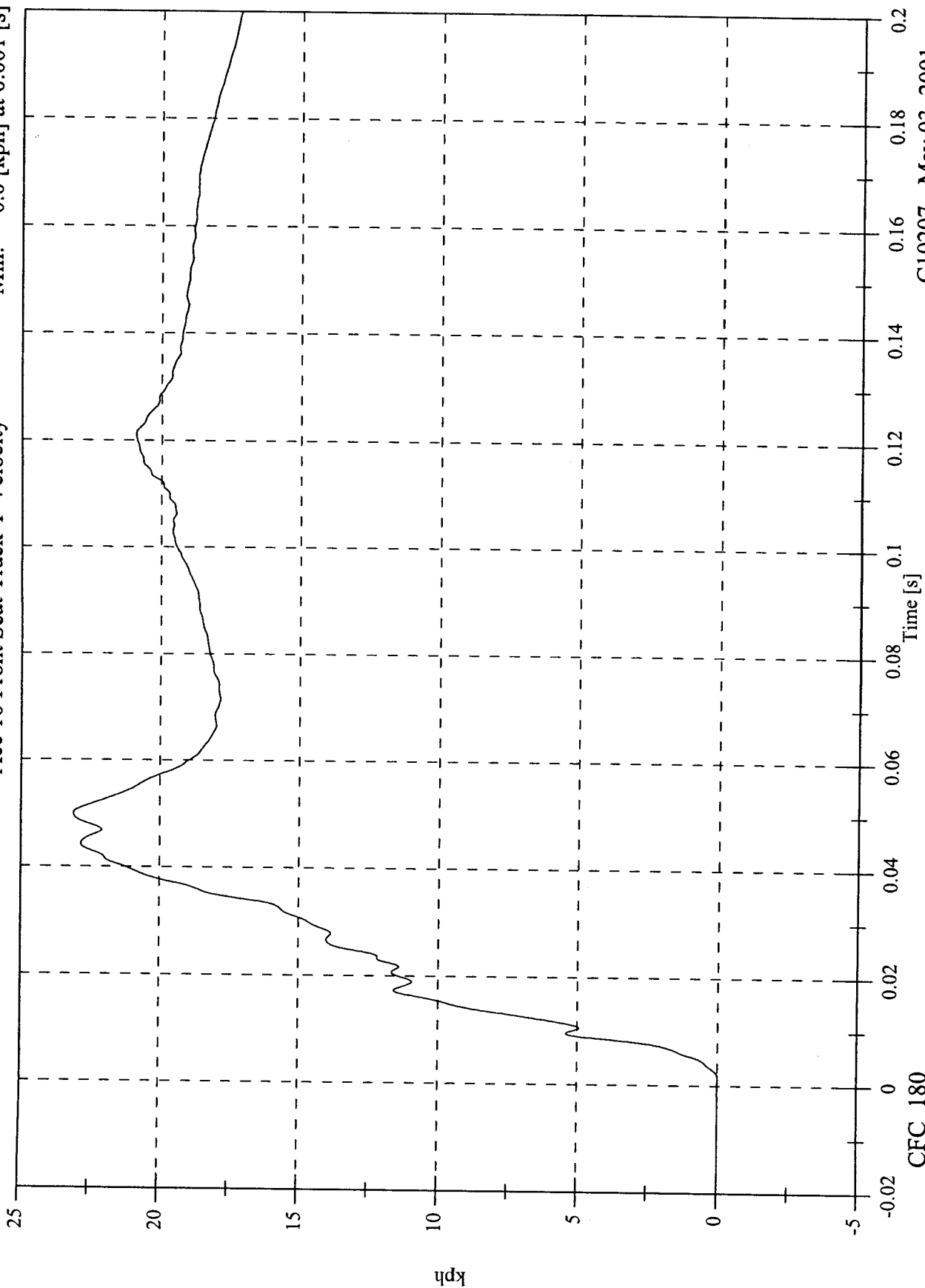


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 23.1 [kph] at 0.050 [s]
Min: -0.0 [kph] at 0.001 [s]

Acc 16 Front Seat Track Y Velocity

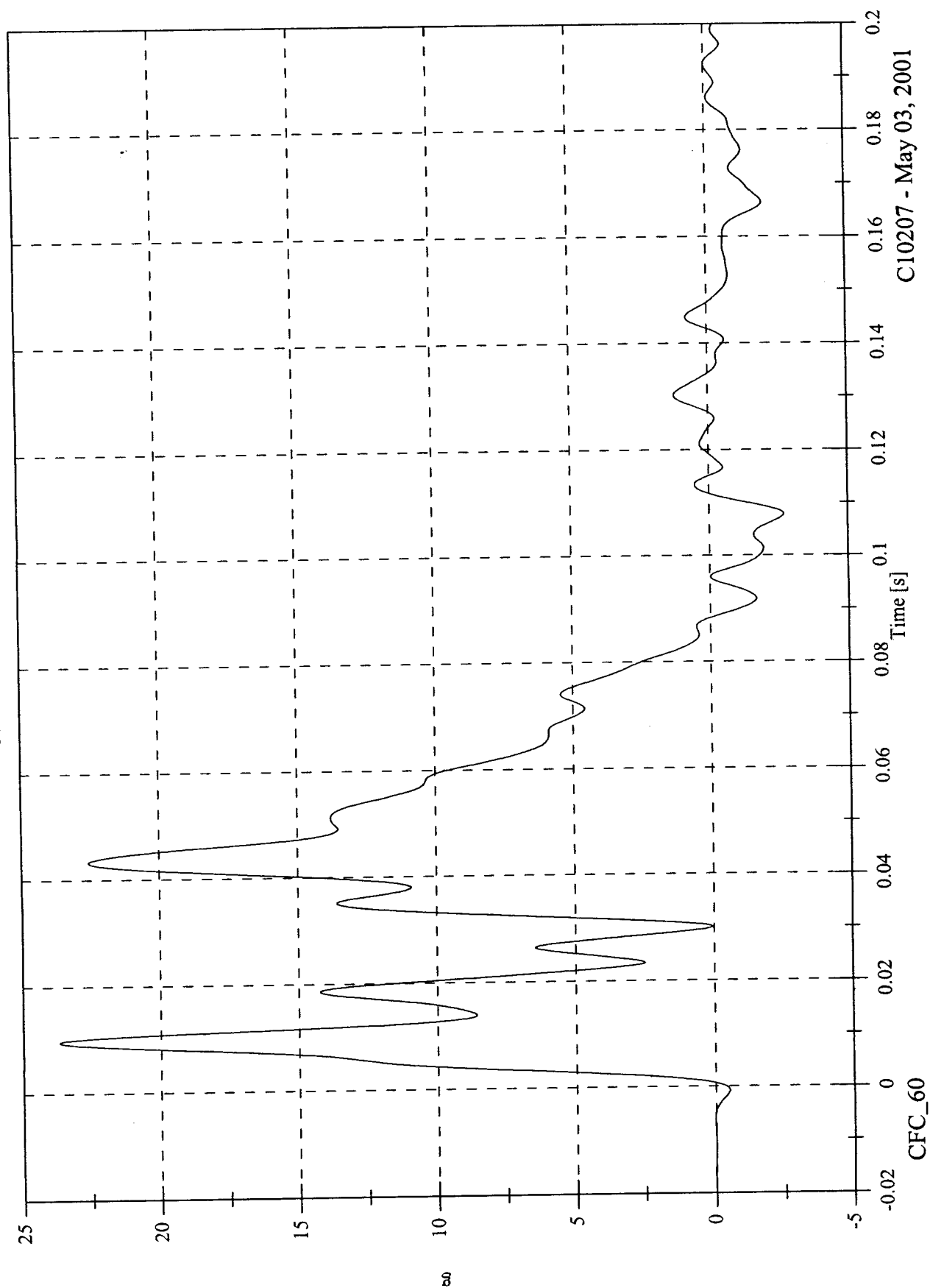


C10207 - May 03, 2001

Max: 23.7 [g] at 0.010 [s]
Min: -2.7 [g] at 0.108 [s]

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 17 Rear Seat Track Y

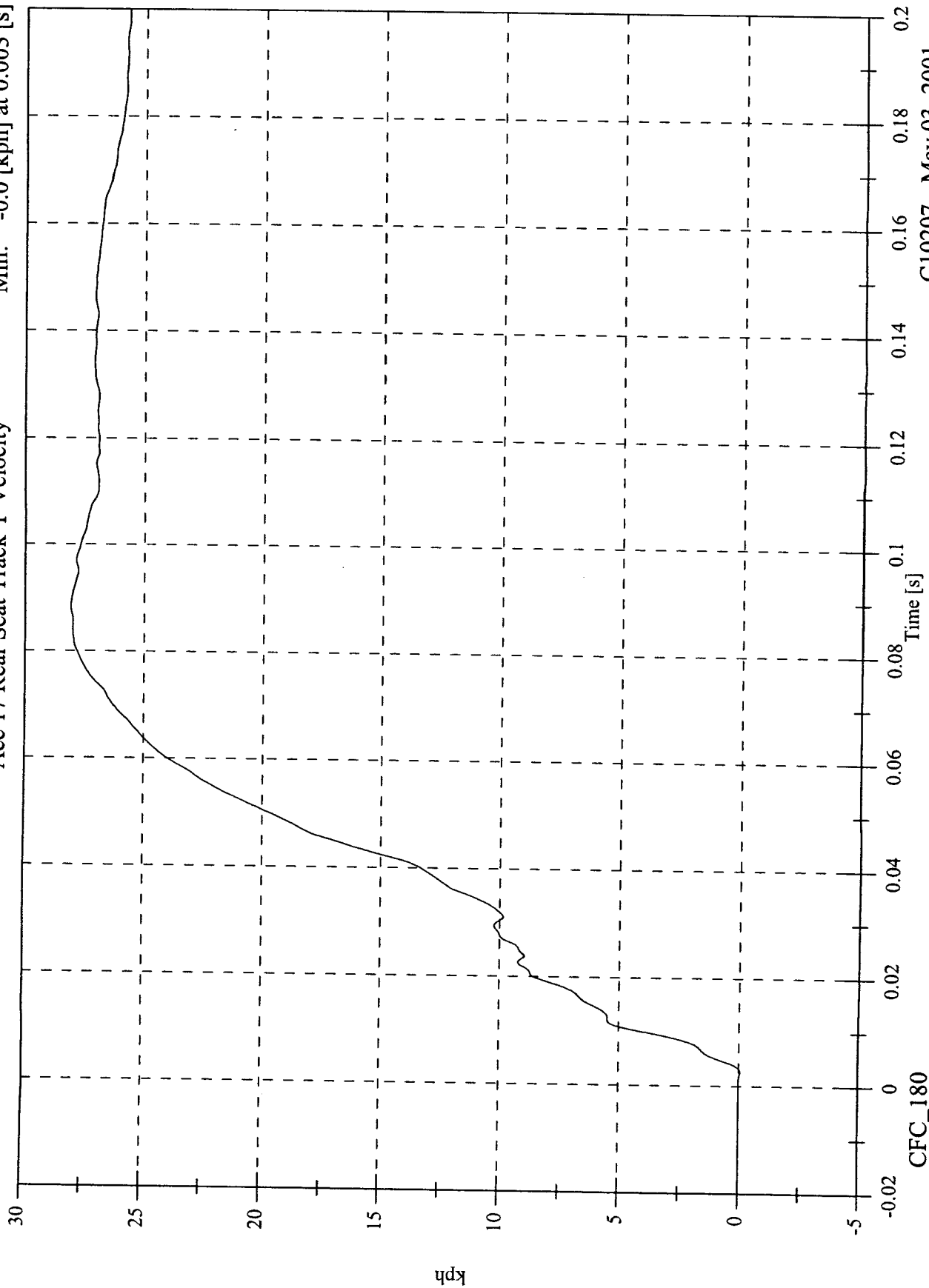


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 17 Rear Seat Track Y Velocity

Max: 28.1 [kph] at 0.088 [s]
Min: -0.0 [kph] at 0.003 [s]

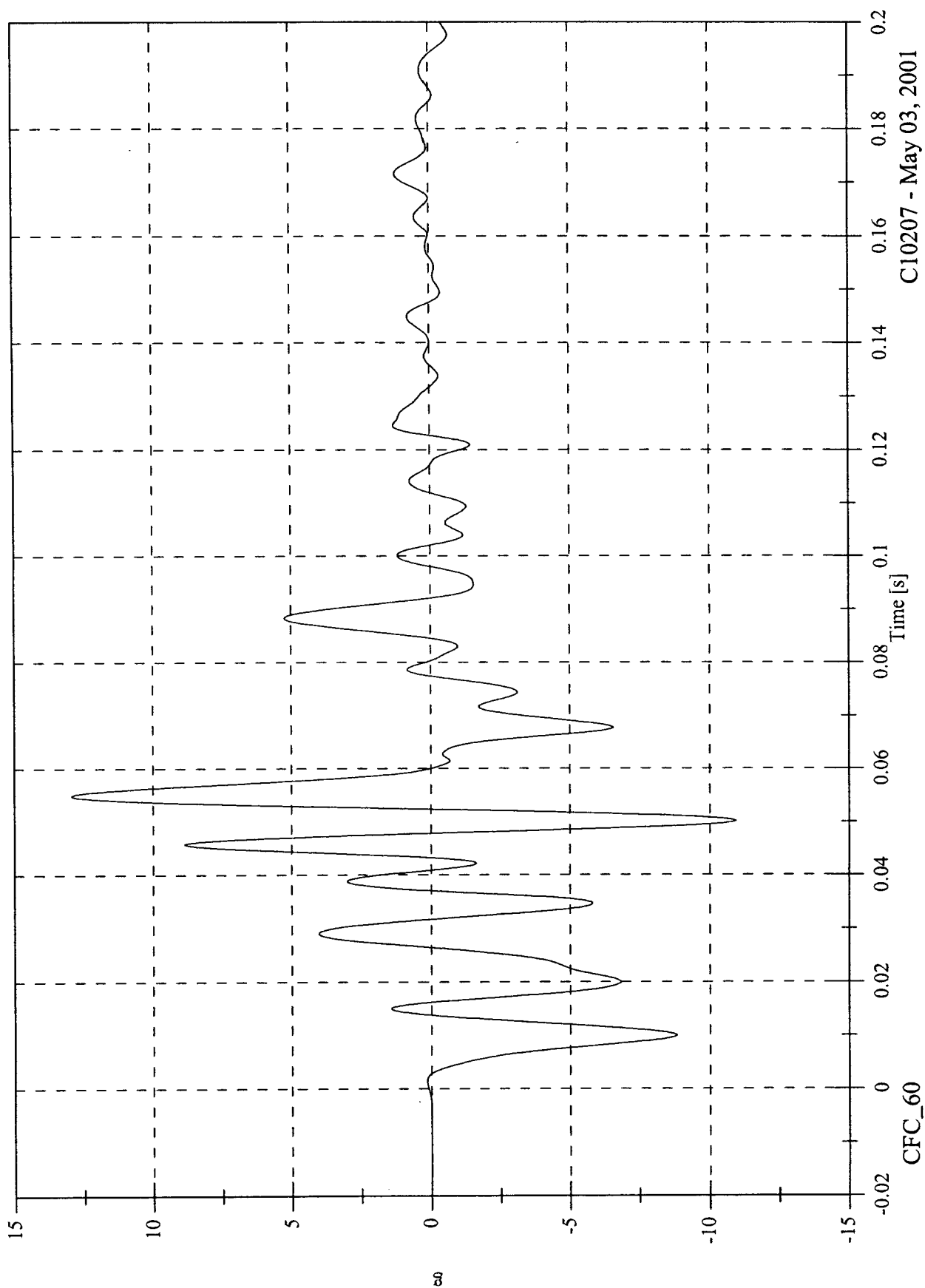


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 12.9 [g] at 0.055 [s]
Min: -10.9 [g] at 0.050 [s]

Acc 18 Target CG X

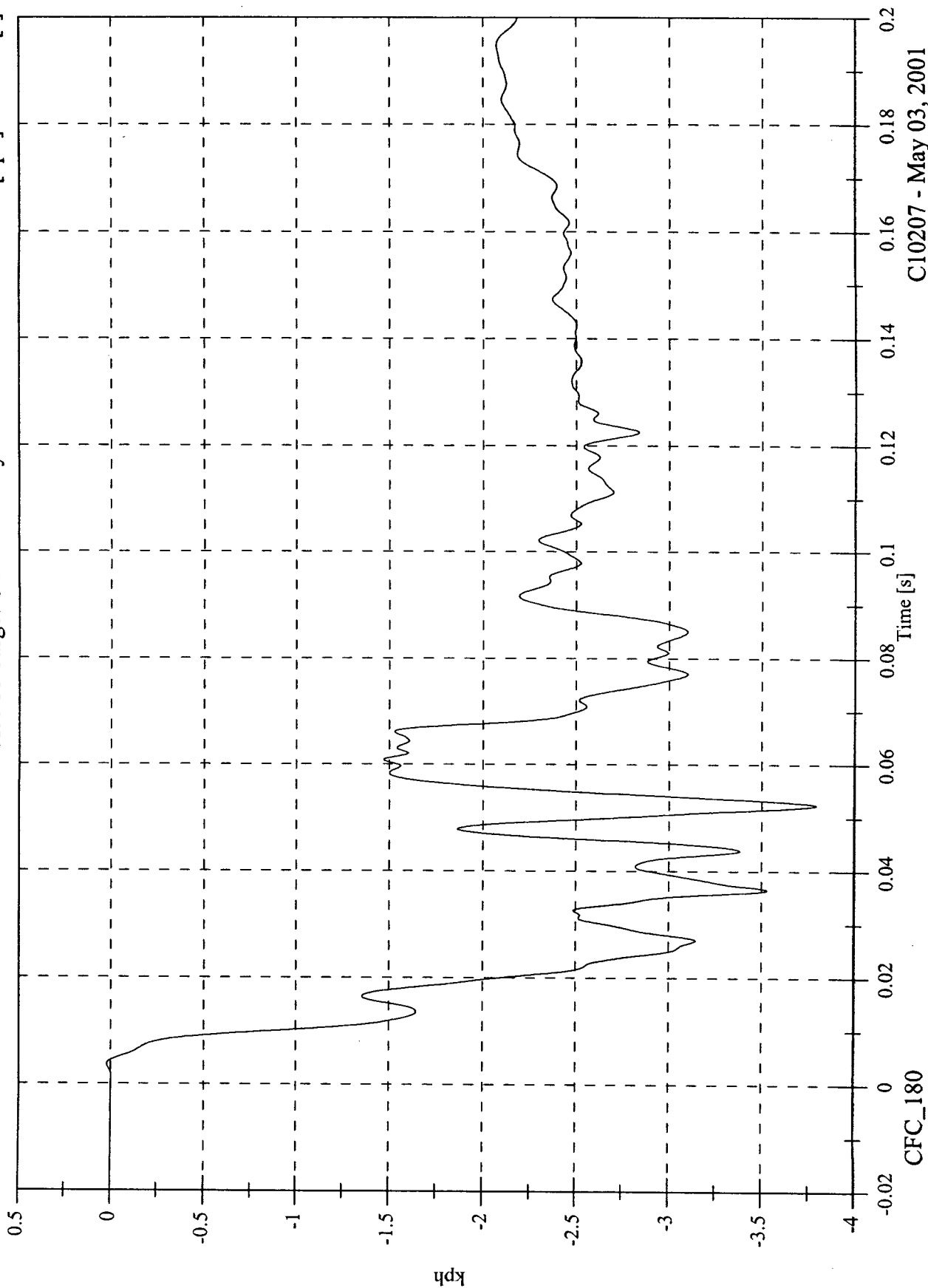


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 0.0 [kph] at 0.004 [s]
Min: -3.8 [kph] at 0.052 [s]

Acc 18 Target CG X Velocity



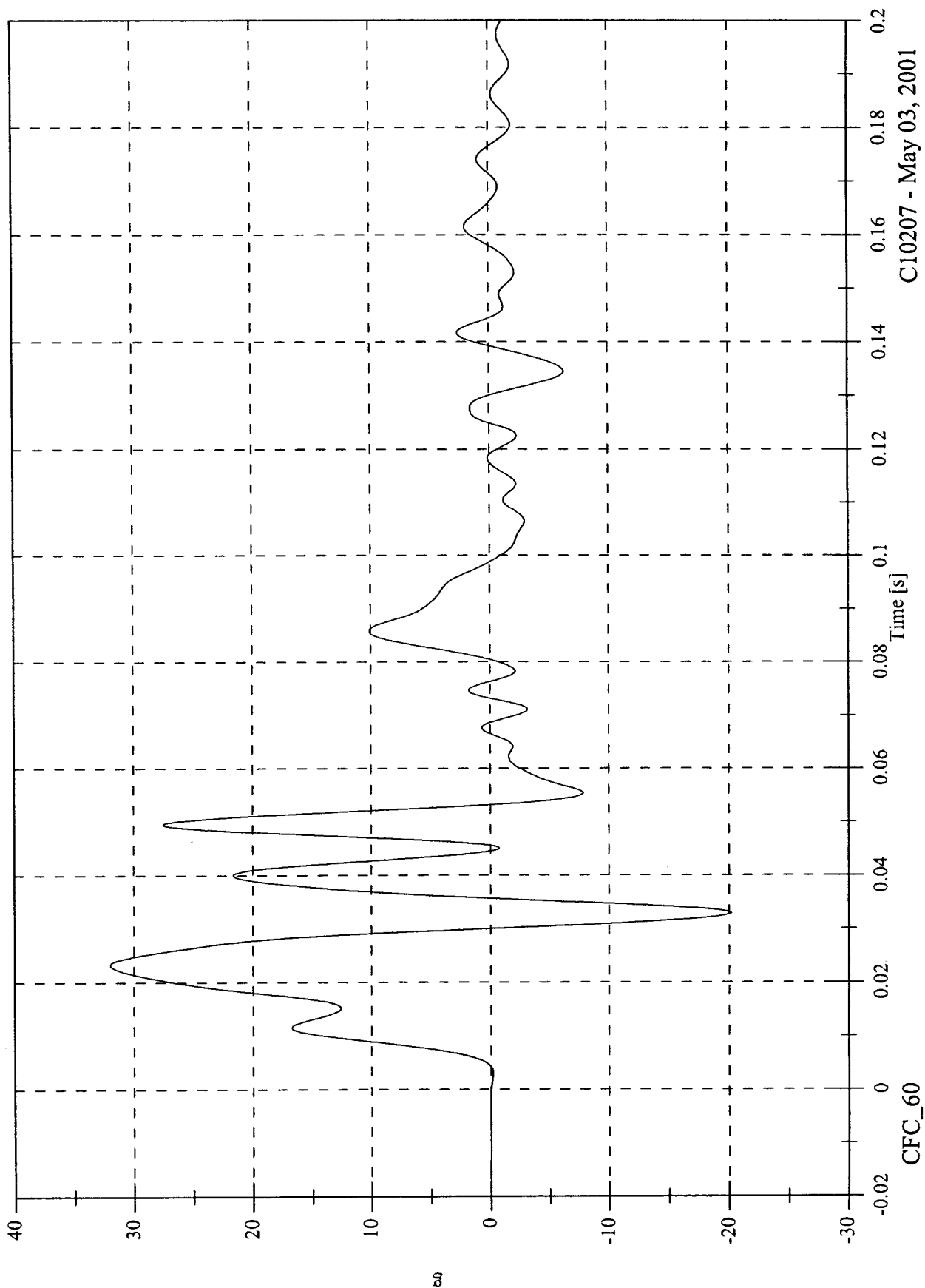
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 18 Target CG Y

Max: 32.0 [g] at 0.023 [s]

Min: -20.2 [g] at 0.033 [s]

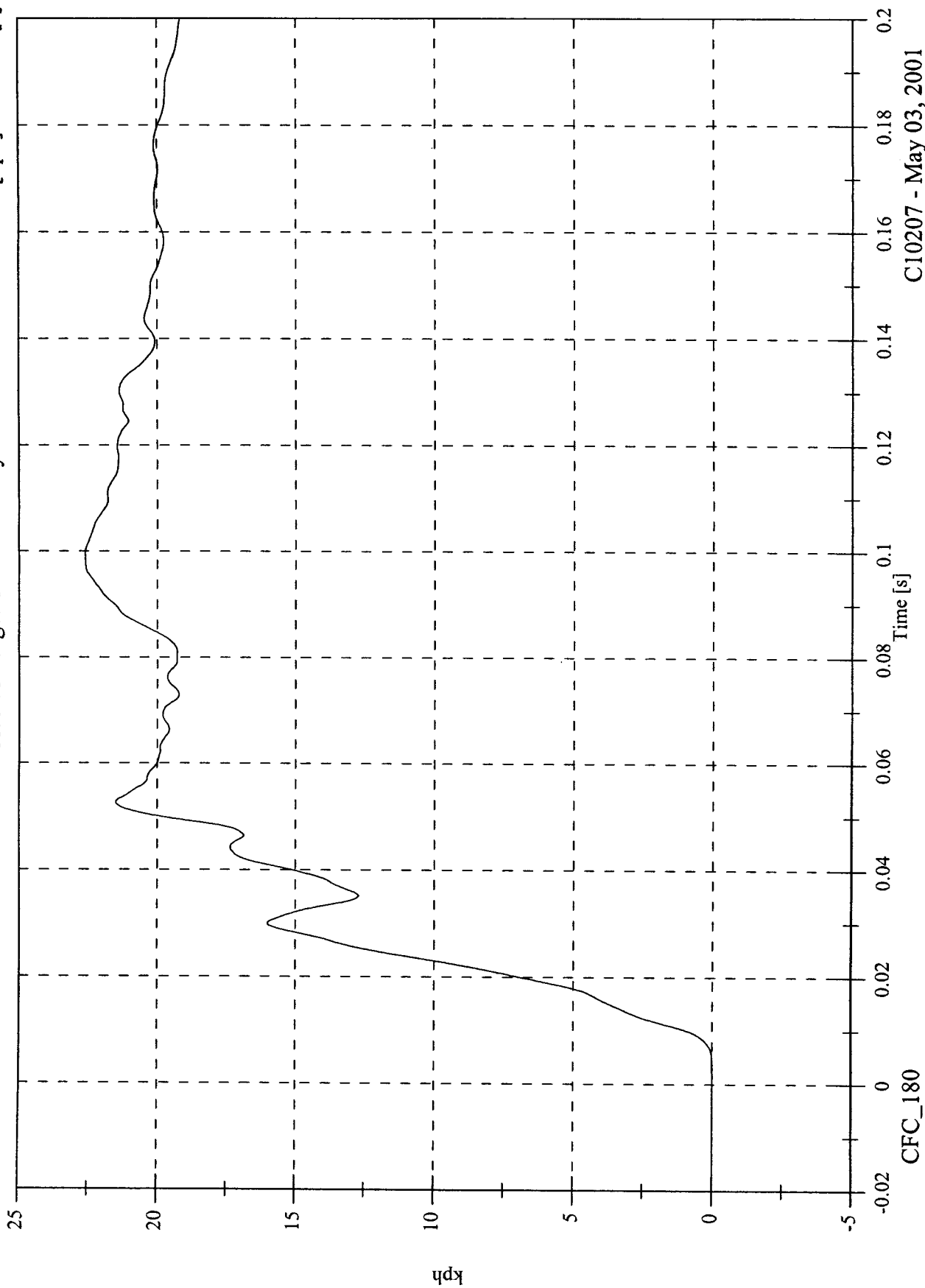


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 22.6 [kph] at 0.100 [s]
Min: -0.0 [kph] at -0.017 [s]

Acc 18 Target CG Y Velocity

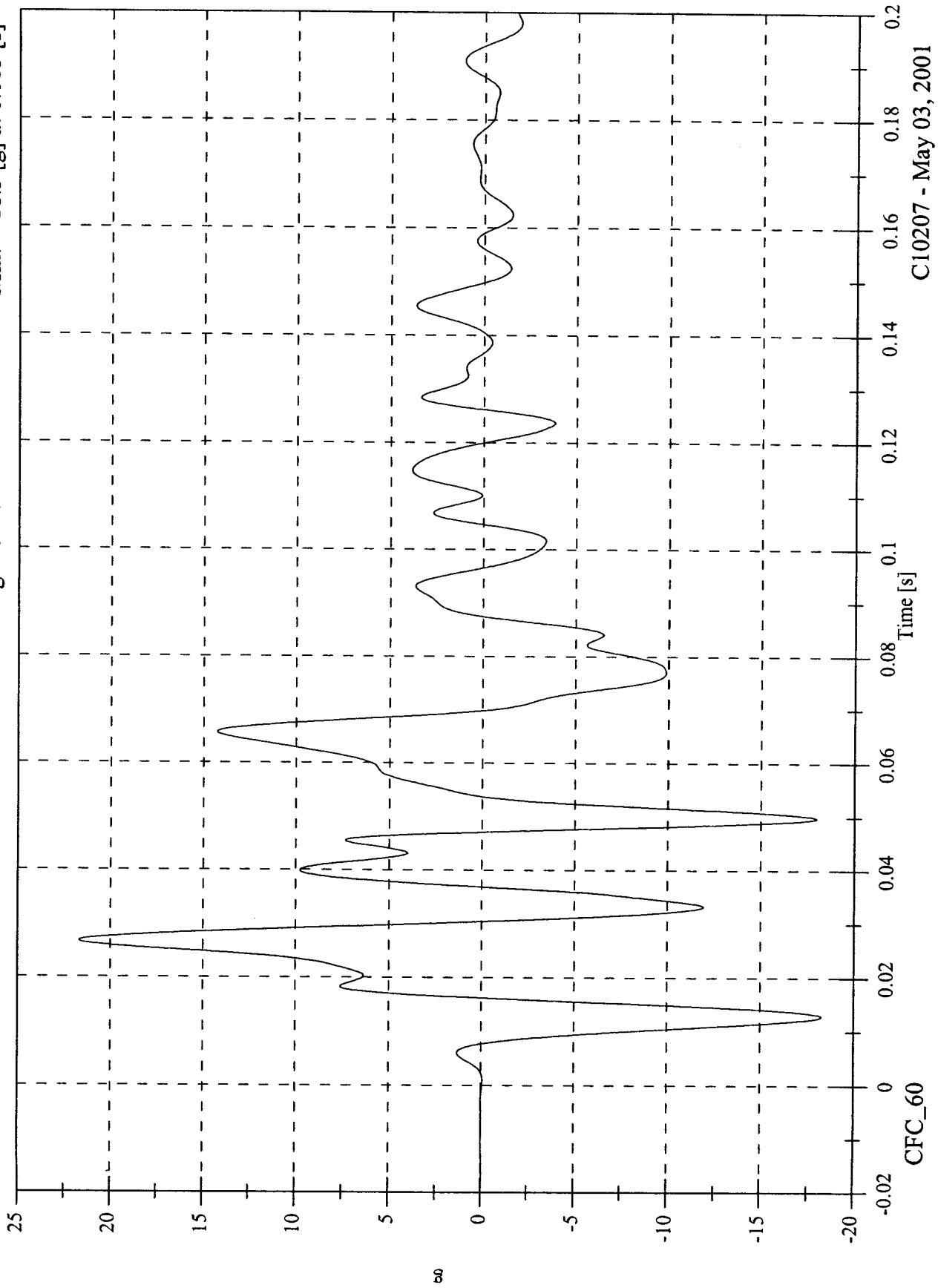


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 21.7 [g] at 0.027 [s]
Min: -18.3 [g] at 0.013 [s]

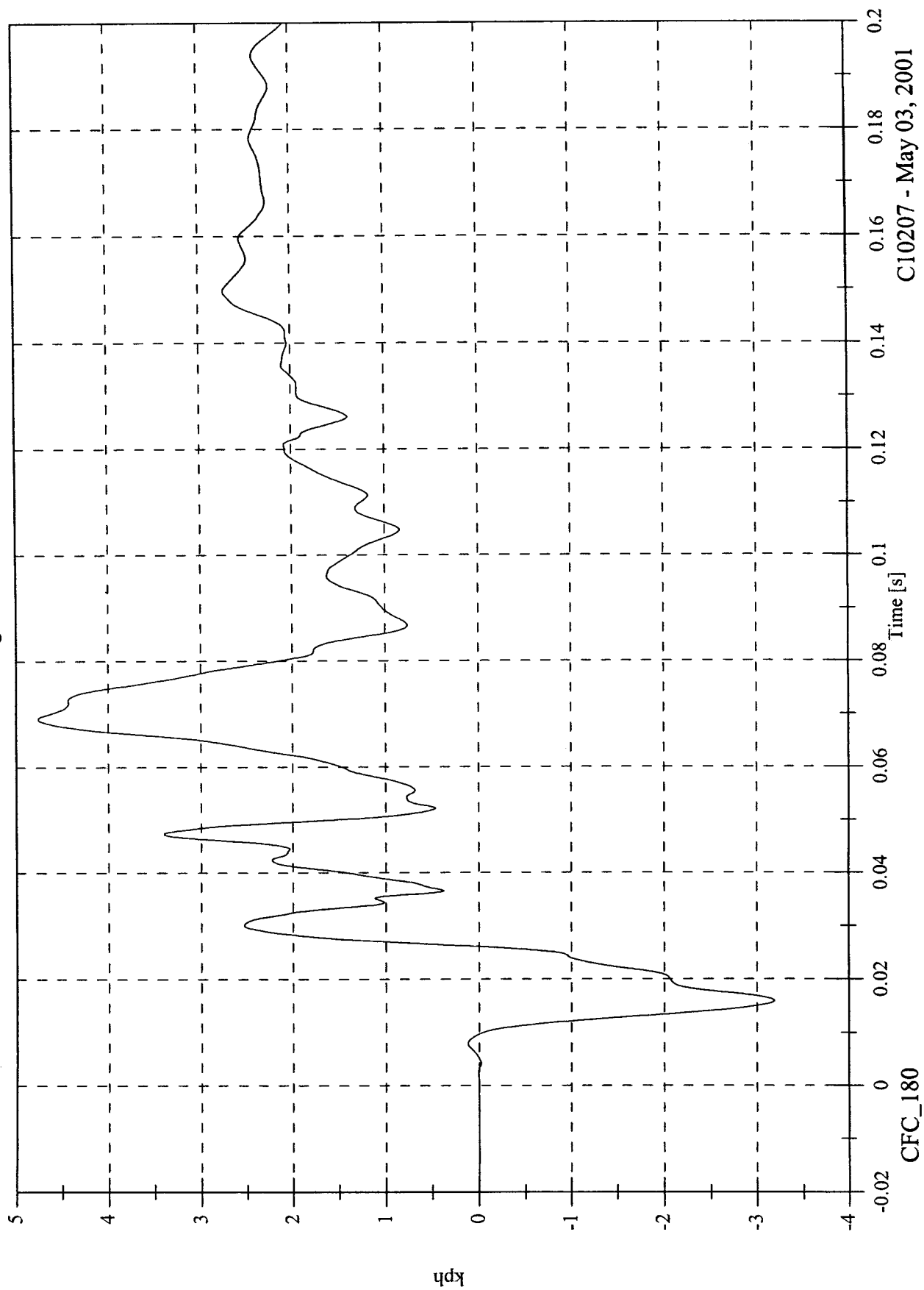
Acc 18 Target CG Z



FMVSS 214D Test 27 - 2001 Ford Mustang

Acc 18 Target CG Z Velocity

Max: 4.8 [kph] at 0.069 [s]
Min: -3.2 [kph] at 0.016 [s]

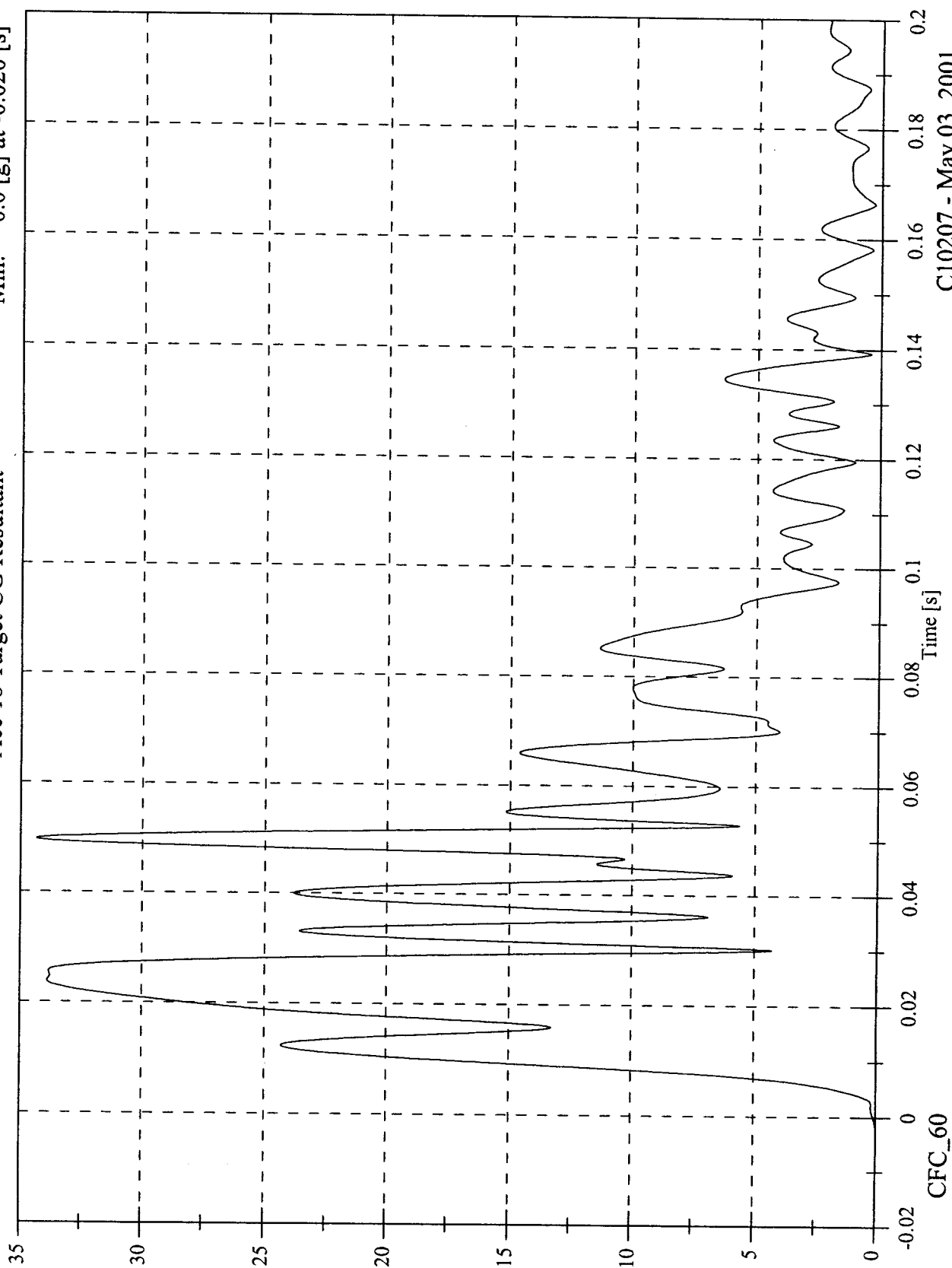


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 34.3 [g] at 0.050 [s]
 Min: 0.0 [g] at -0.020 [s]

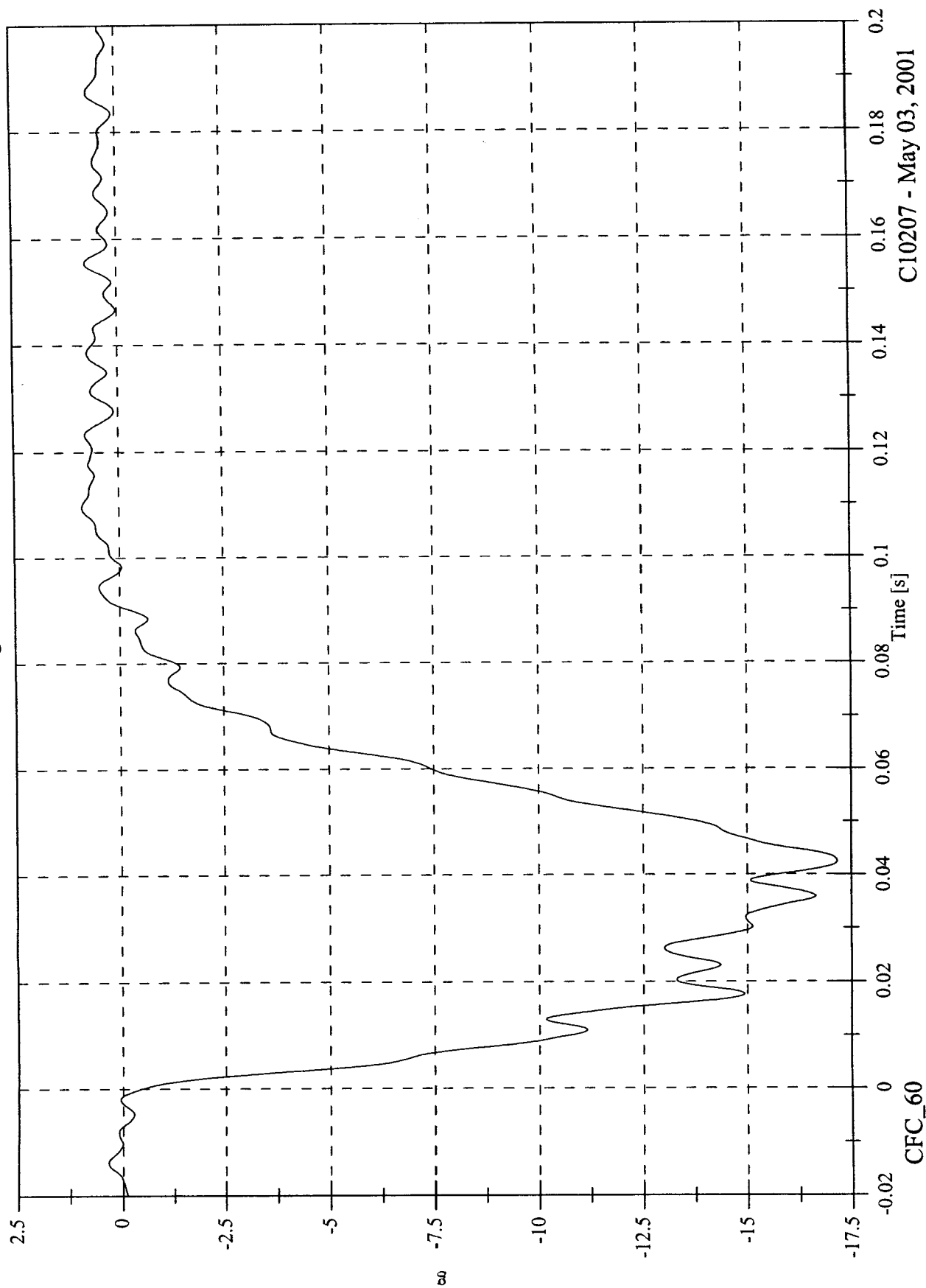
Acc 18 Target CG Resultant



FMVSS 214D Test 27 - 2001 Ford Mustang

Moving Barrier CG X

Max: 0.9 [g] at 0.110 [s]
Min: -17.2 [g] at 0.042 [s]

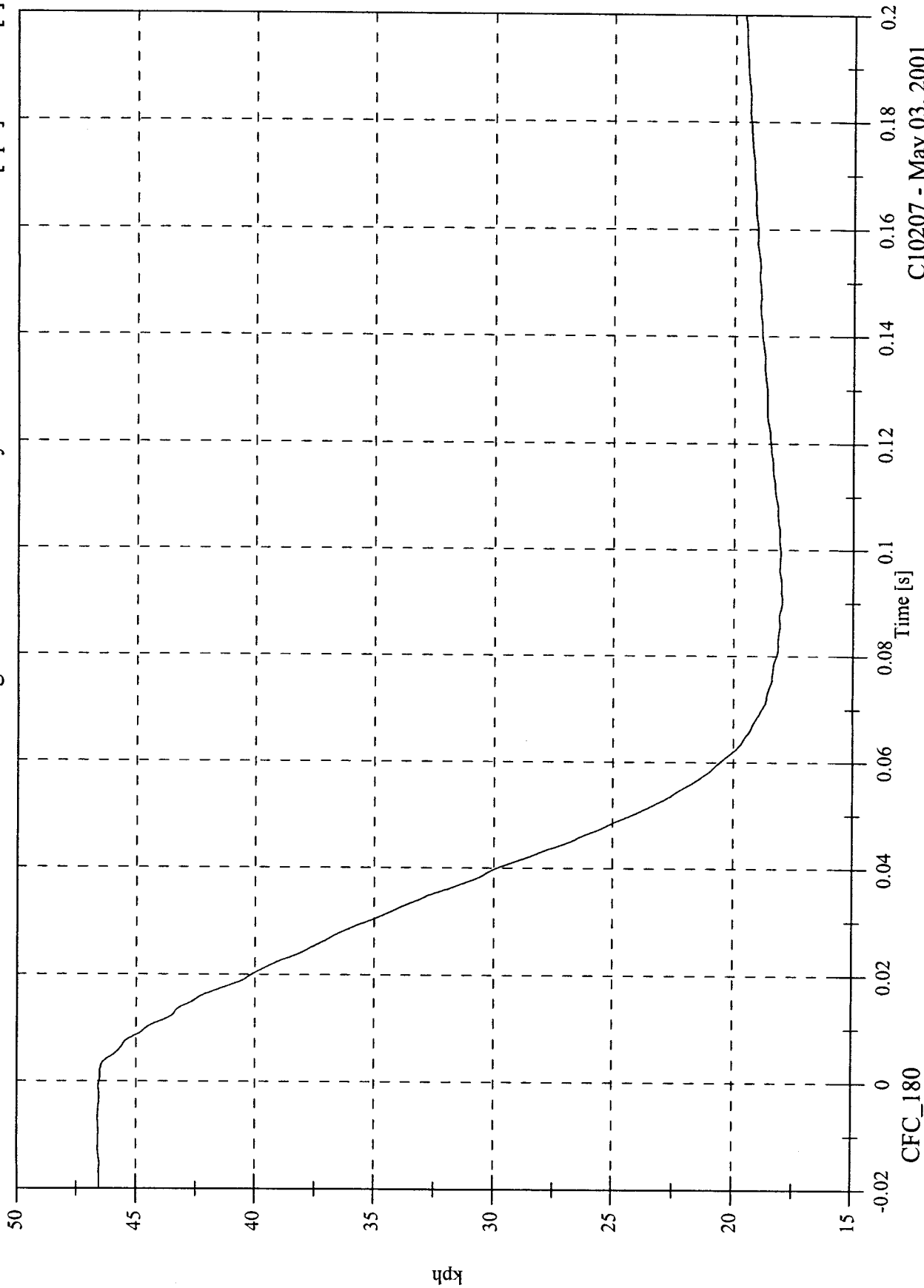


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 46.6 [kph] at -0.007 [s]
 Min: 18.0 [kph] at 0.090 [s]

Moving Barrier CG X Velocity

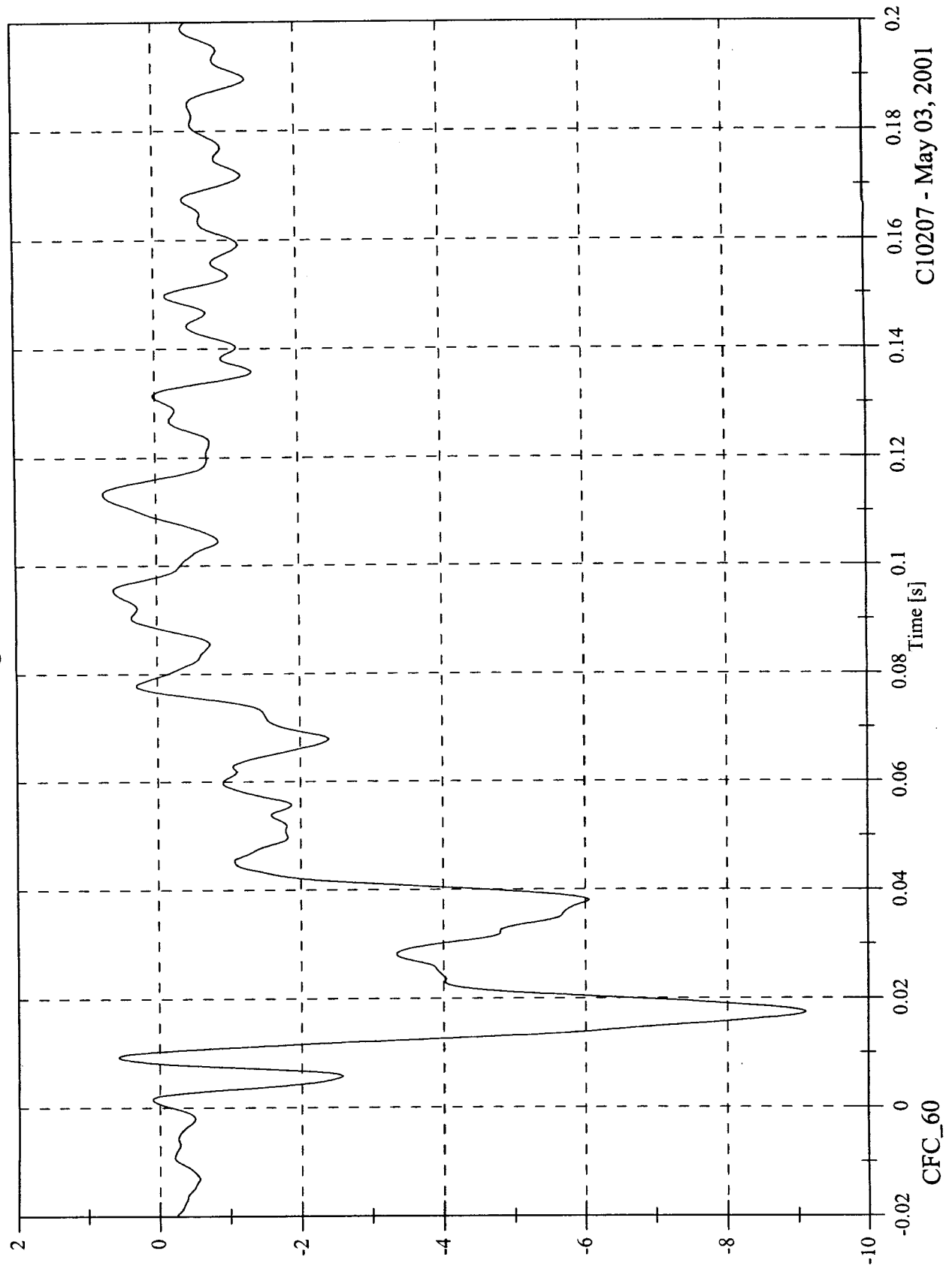


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Moving Barrier CG Y

Max: 0.8 [g] at 0.113 [s]
Min: -9.1 [g] at 0.017 [s]



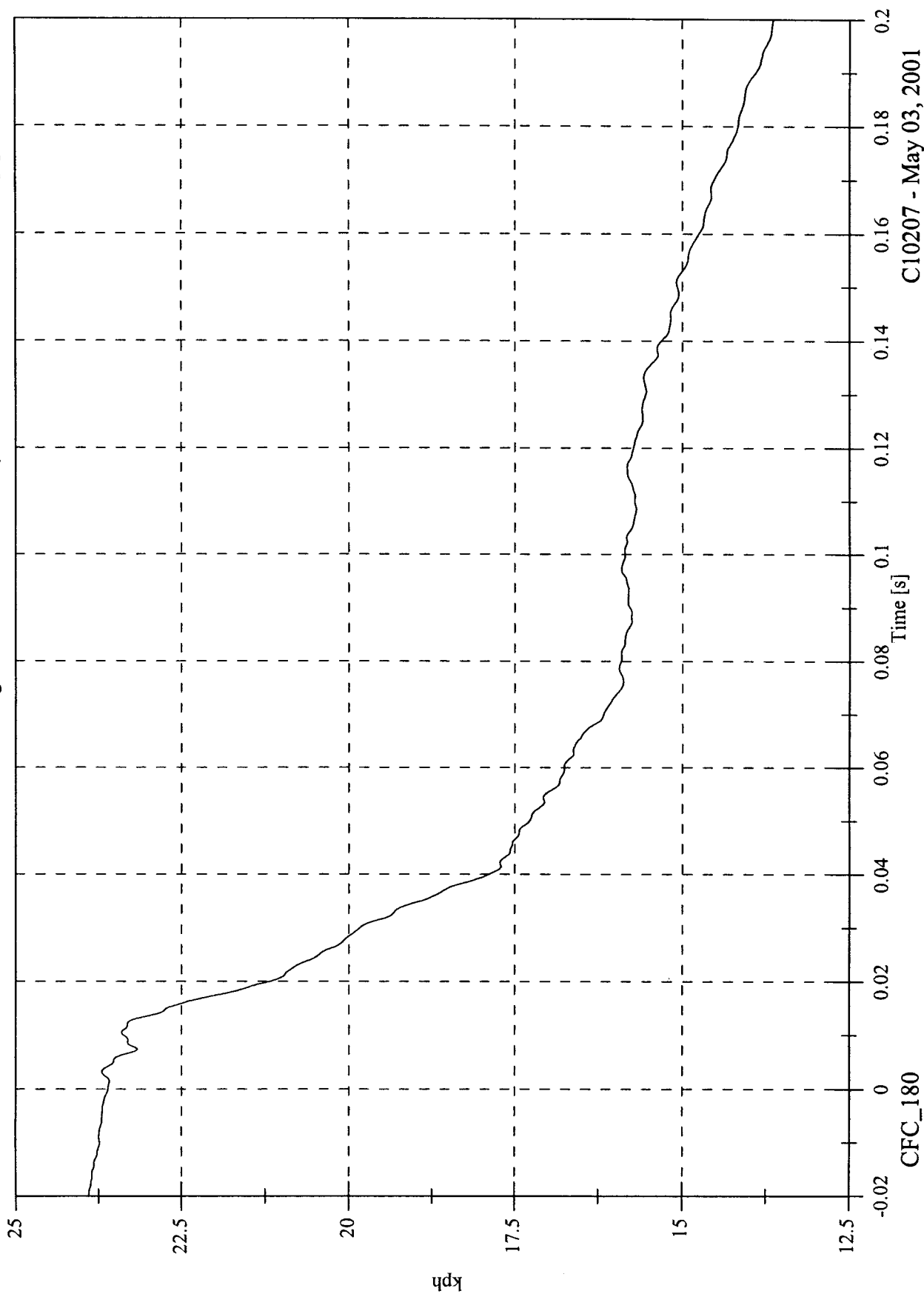
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 23.9 [kph] at -0.019 [s]

Min: 13.6 [kph] at 0.200 [s]

Moving Barrier CG Y Velocity

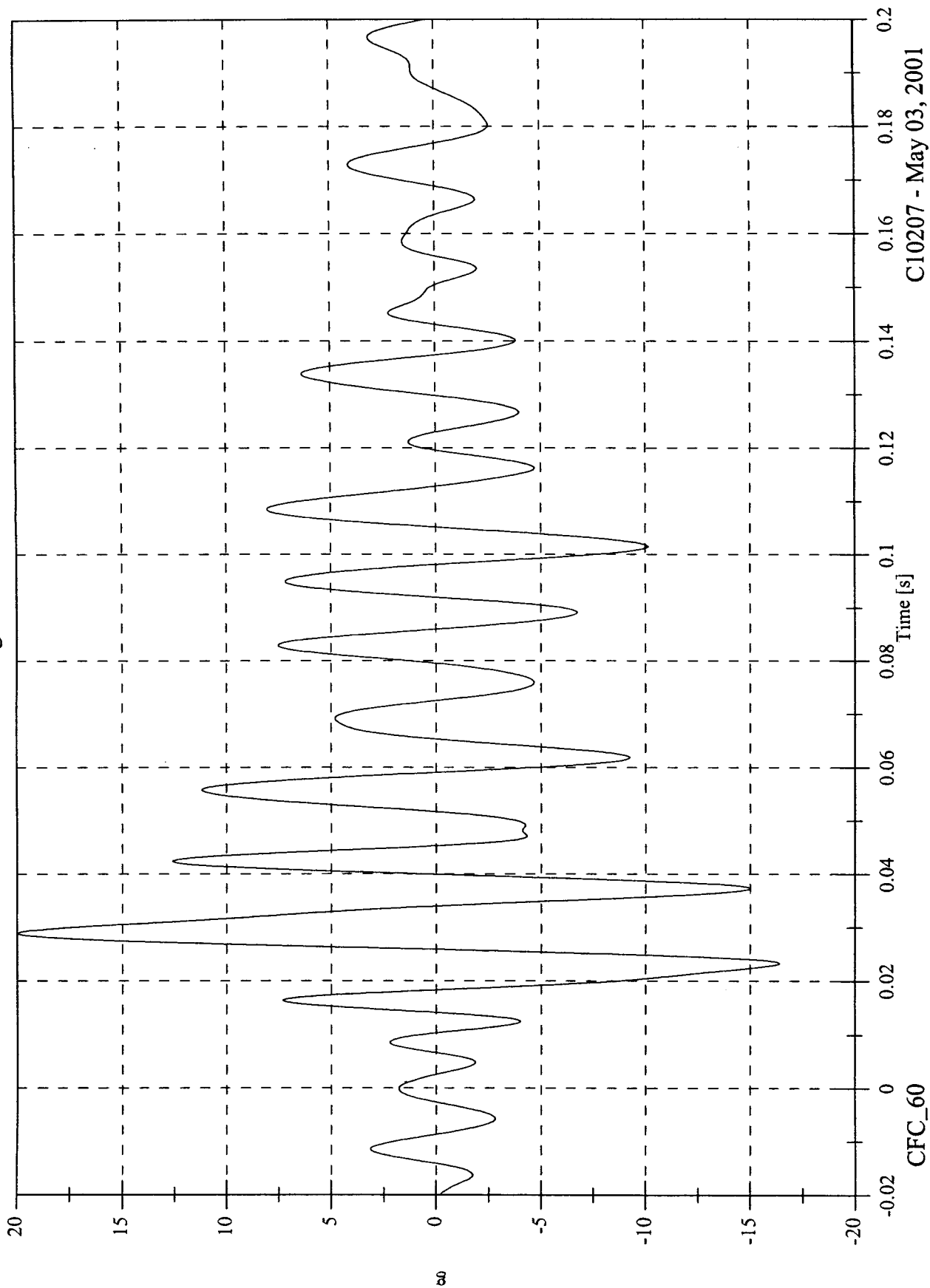


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Moving Barrier CG Z

Max: 20.0 [g] at 0.029 [s]
Min: -16.4 [g] at 0.023 [s]



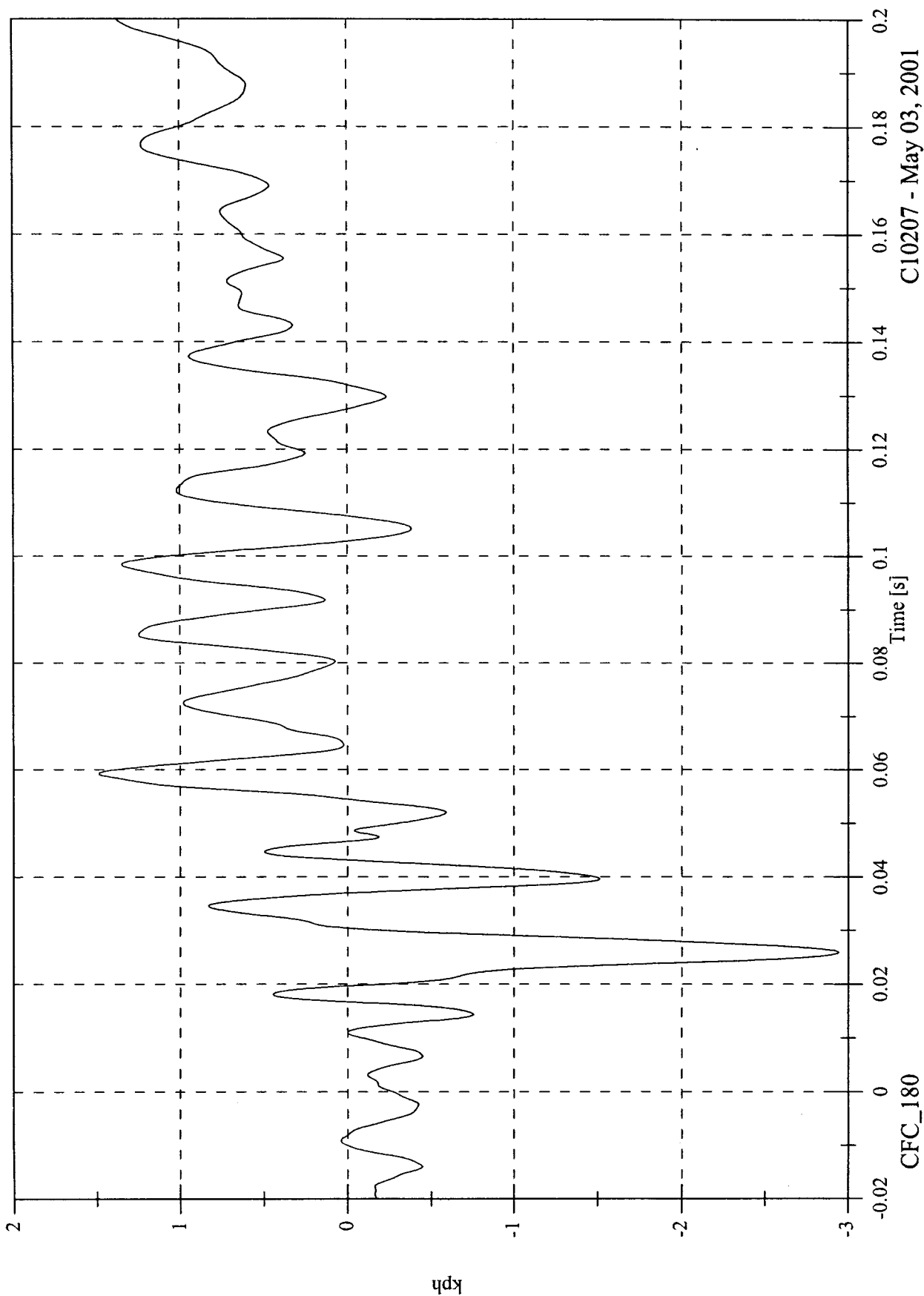
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 1.5 [kph] at 0.059 [s]

Min: -2.9 [kph] at 0.026 [s]

Moving Barrier CG Z Velocity

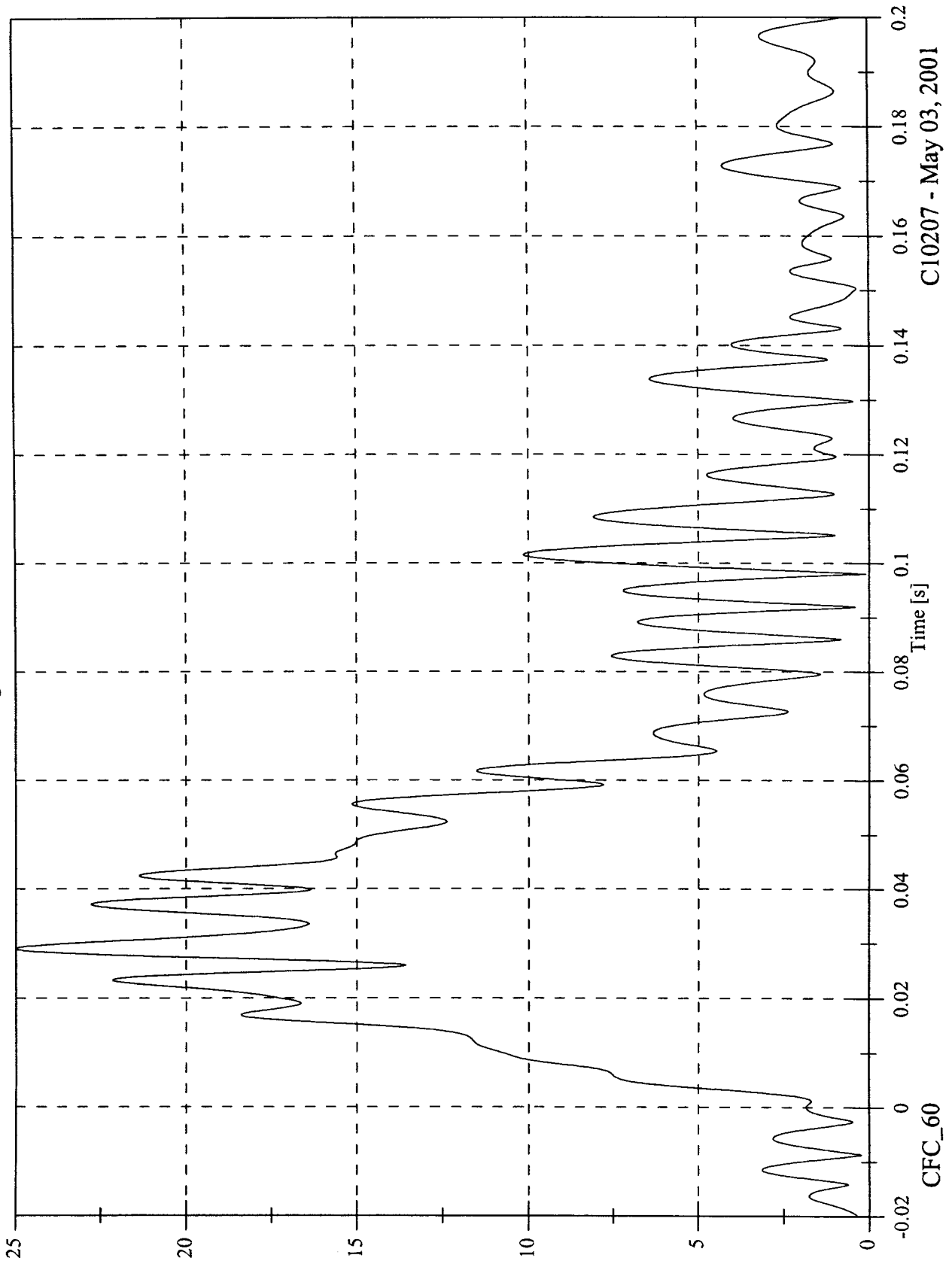


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Moving Barrier CG Resultant

Max: 25.0 [g] at 0.029 [s]
Min: 0.1 [g] at 0.098 [s]



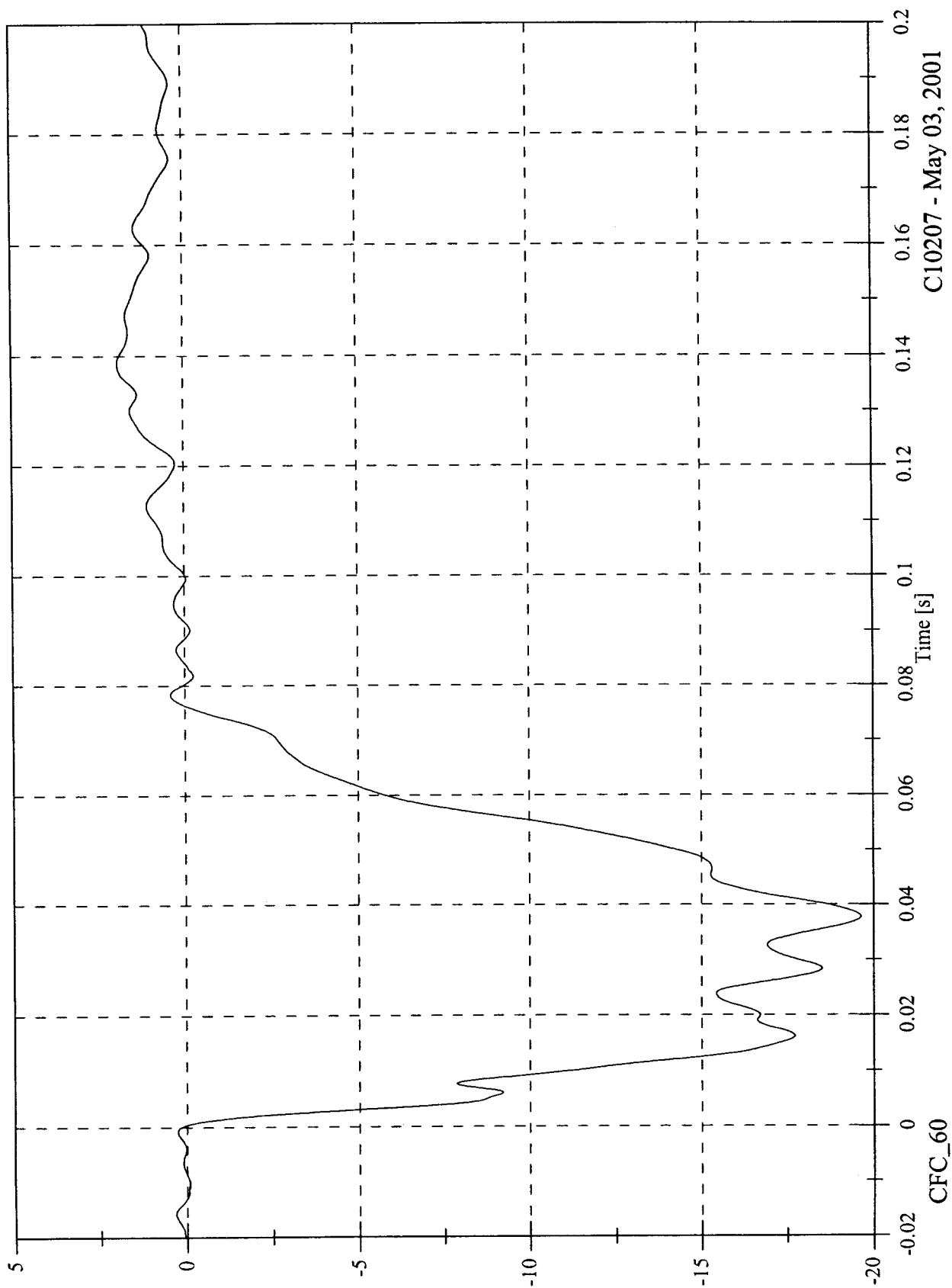
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 1.9 [g] at 0.139 [s]

Min: -19.6 [g] at 0.038 [s]

Moving Barrier Left Rail X

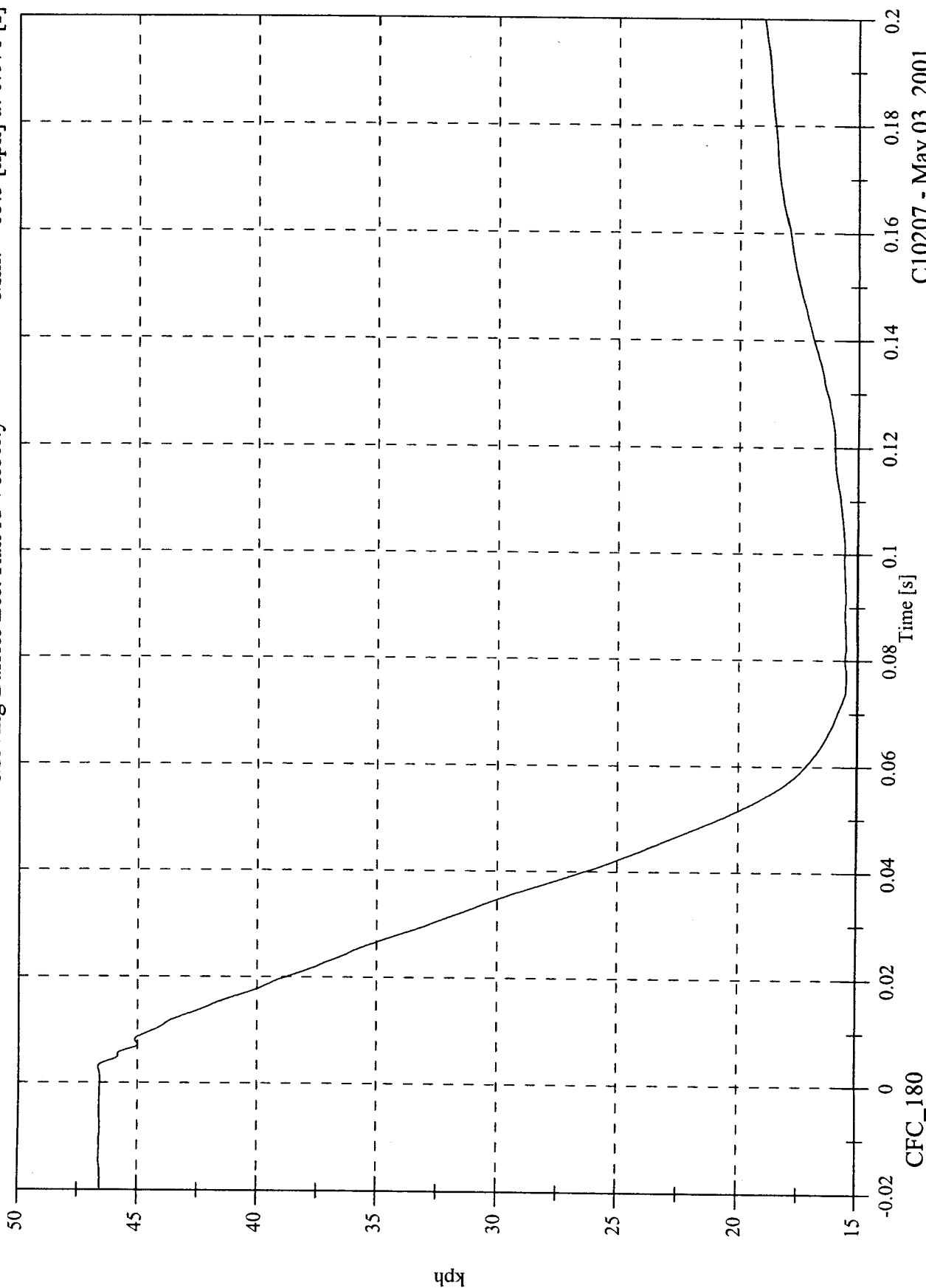


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Moving Barrier Left Rail X Velocity

Max: 46.6 [kph] at 0.003 [s]
Min: 15.5 [kph] at 0.076 [s]



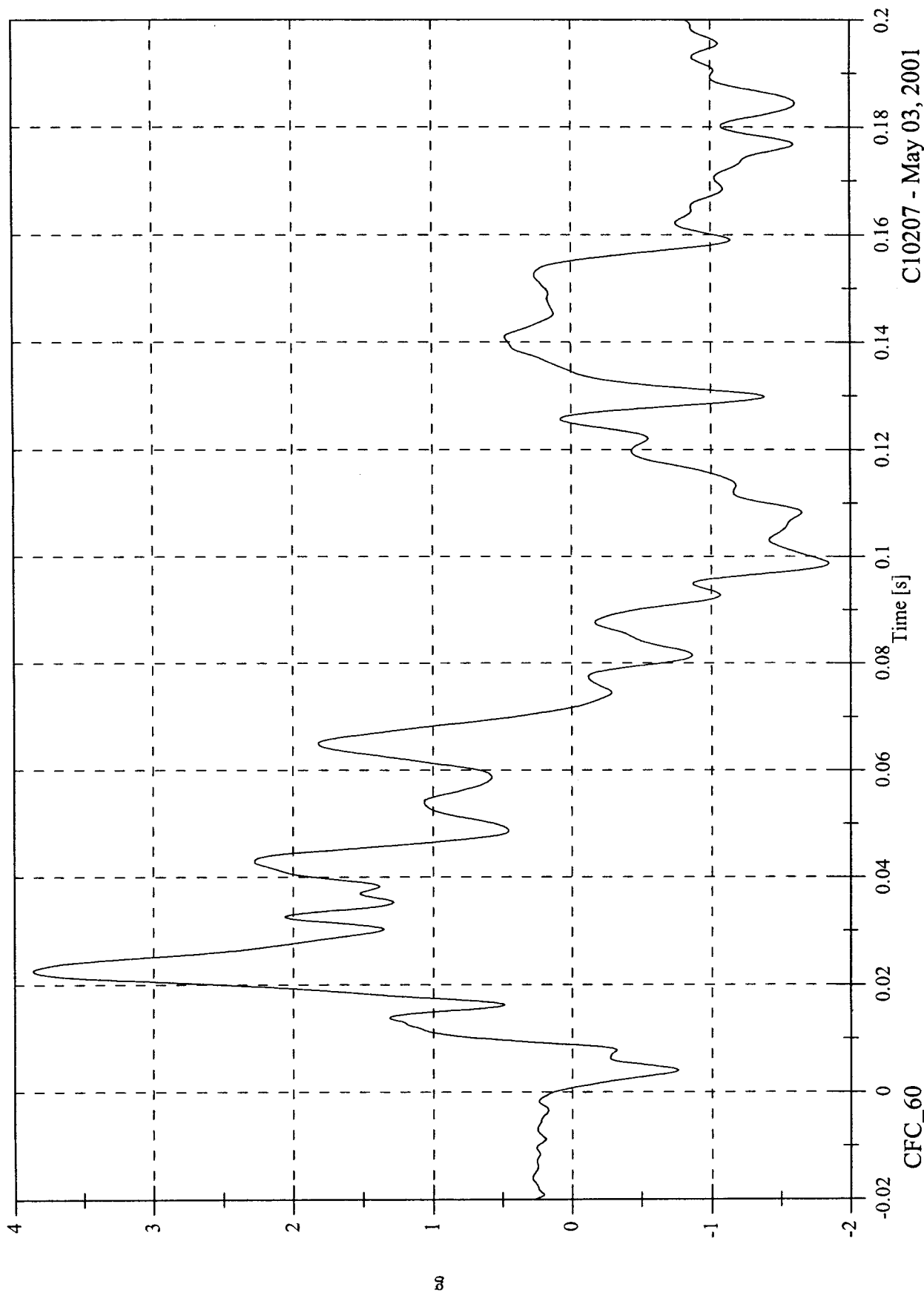
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 3.9 [g] at 0.023 [s]

Min: -1.8 [g] at 0.099 [s]

Moving Barrier Left Rail Y

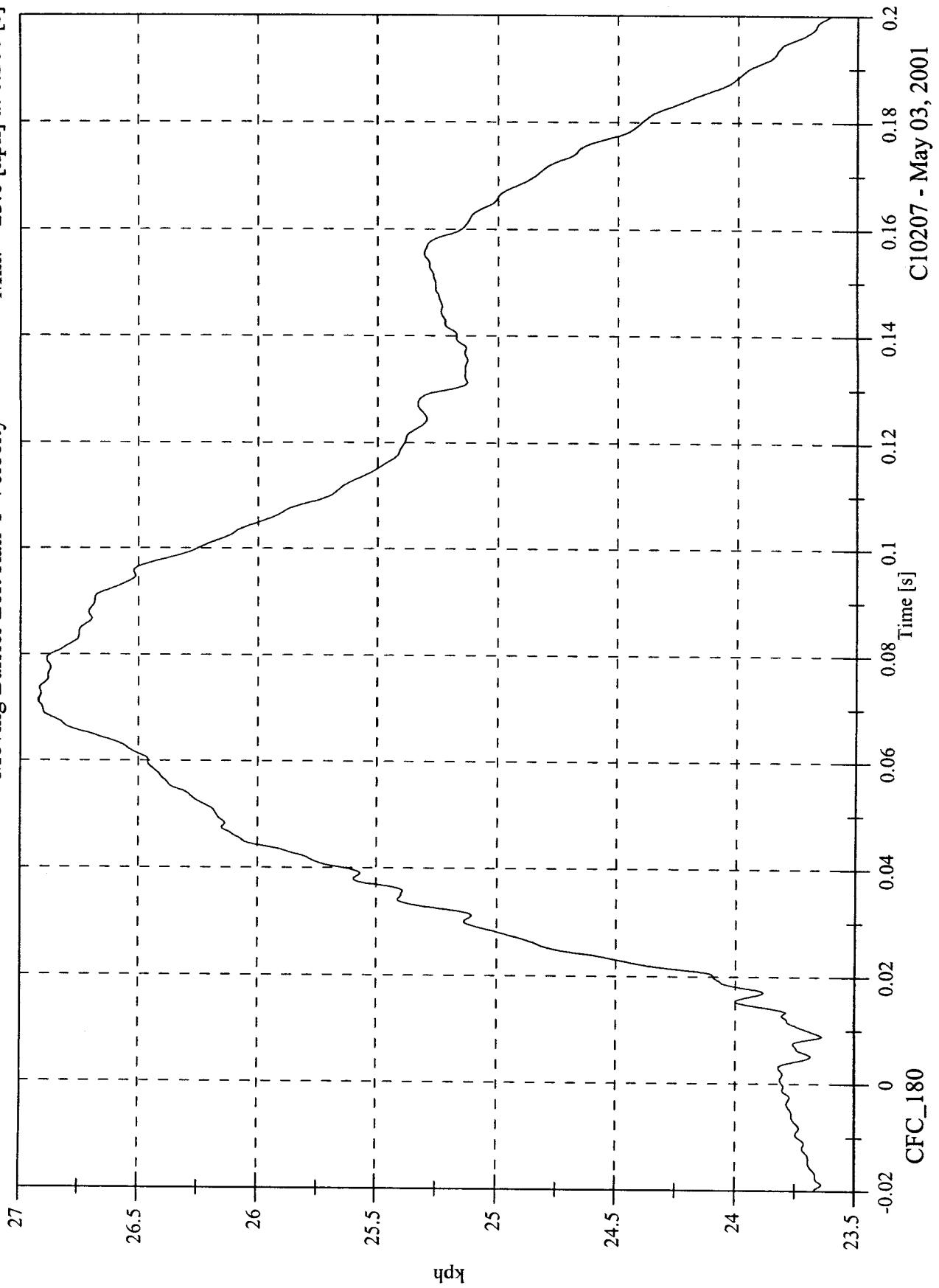


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 26.9 [kph] at 0.071 [s]
Min: 23.6 [kph] at 0.200 [s]

Moving Barrier Left Rail Y Velocity

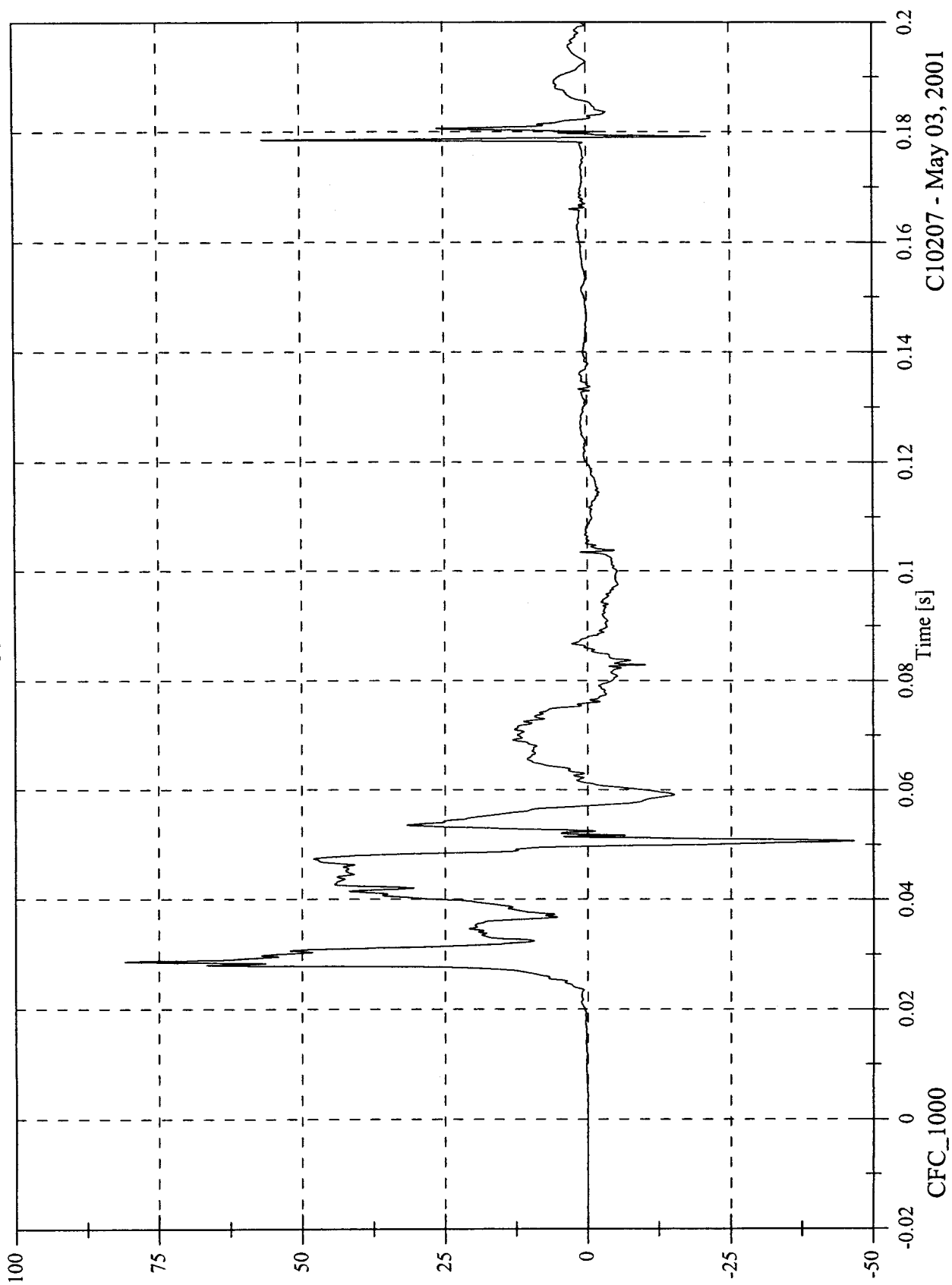


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 81.0 [g] at 0.029 [s]
Min: -46.6 [g] at 0.051 [s]

P1 Upper Rib Ry

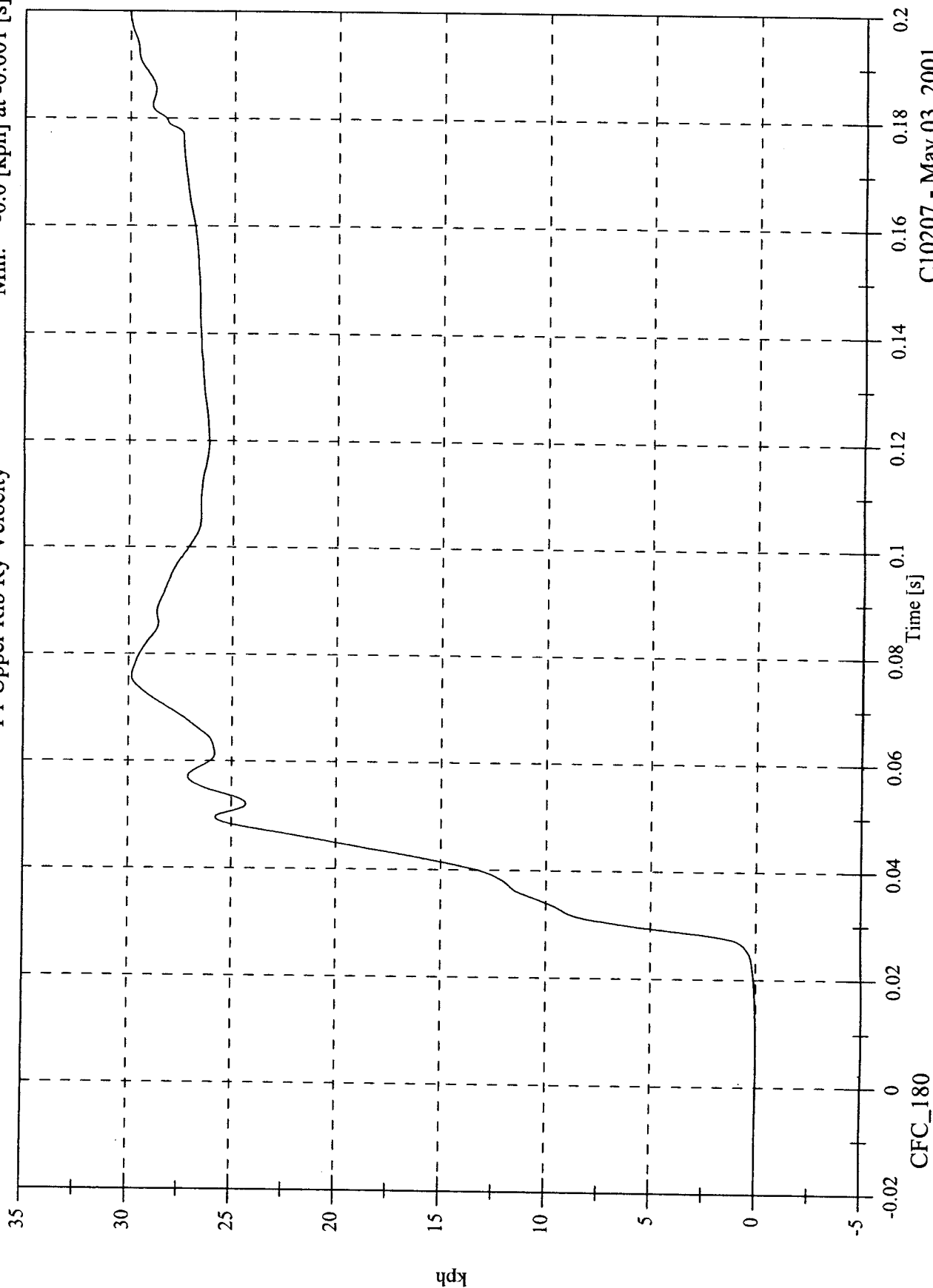


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Upper Rib Ry Velocity

Max: 30.0 [kph] at 0.200 [s]
Min: -0.0 [kph] at -0.001 [s]

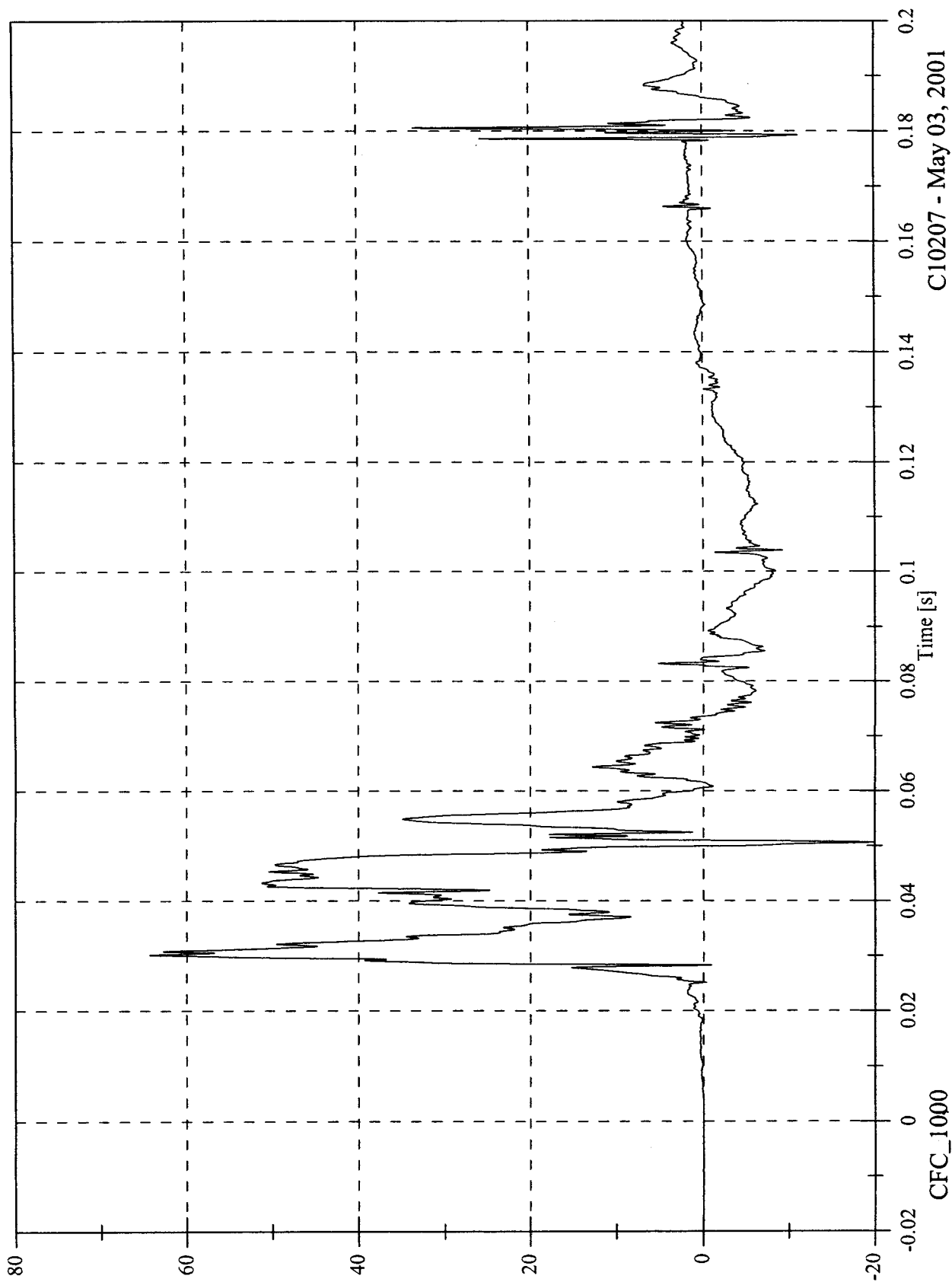


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Lower Rib Ry

Max: 64.3 [g] at 0.030 [s]
Min: -19.9 [g] at 0.051 [s]

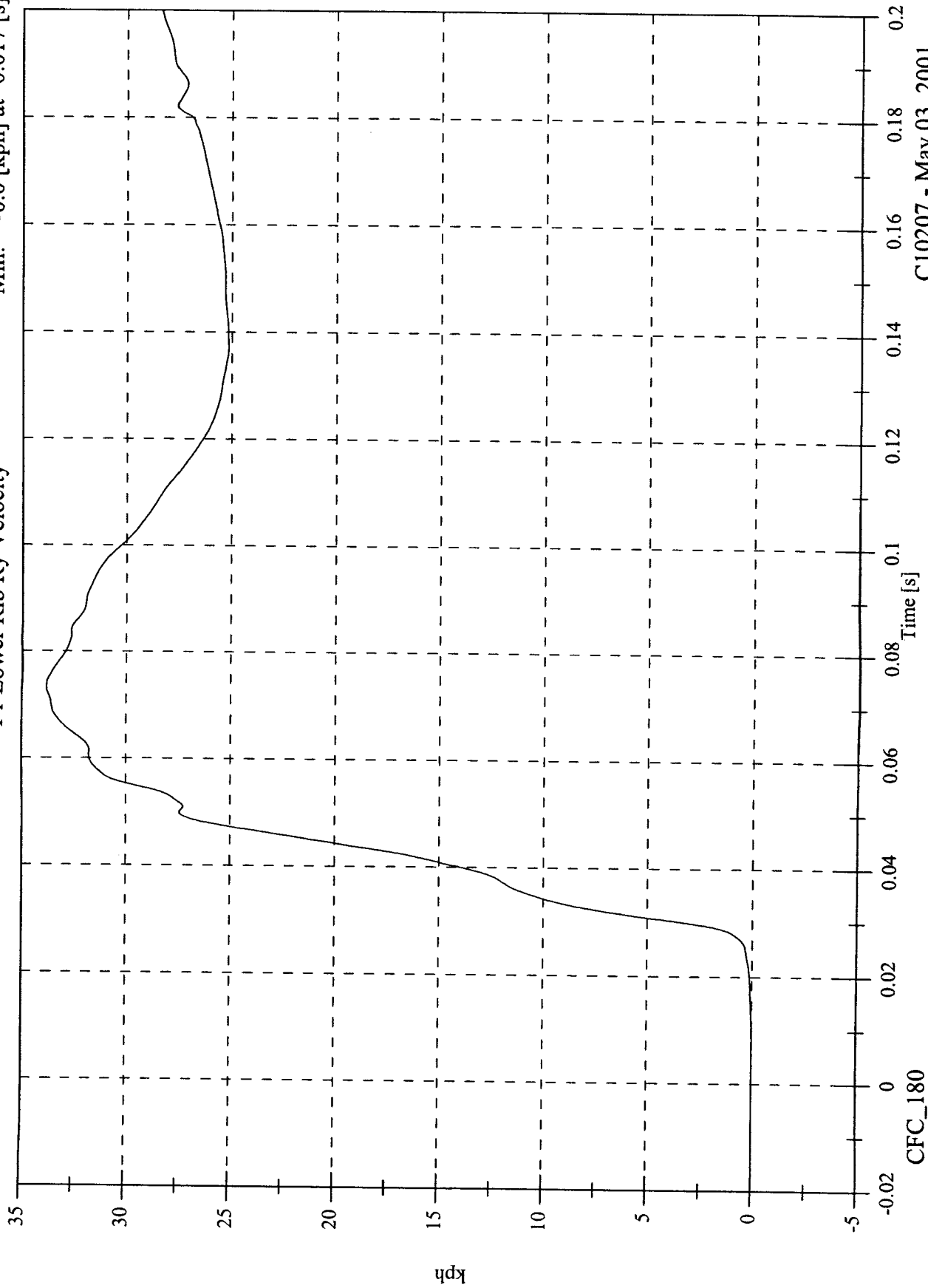


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 33.9 [kph] at 0.074 [s]
Min: -0.0 [kph] at -0.017 [s]

P1 Lower Rib Ry Velocity



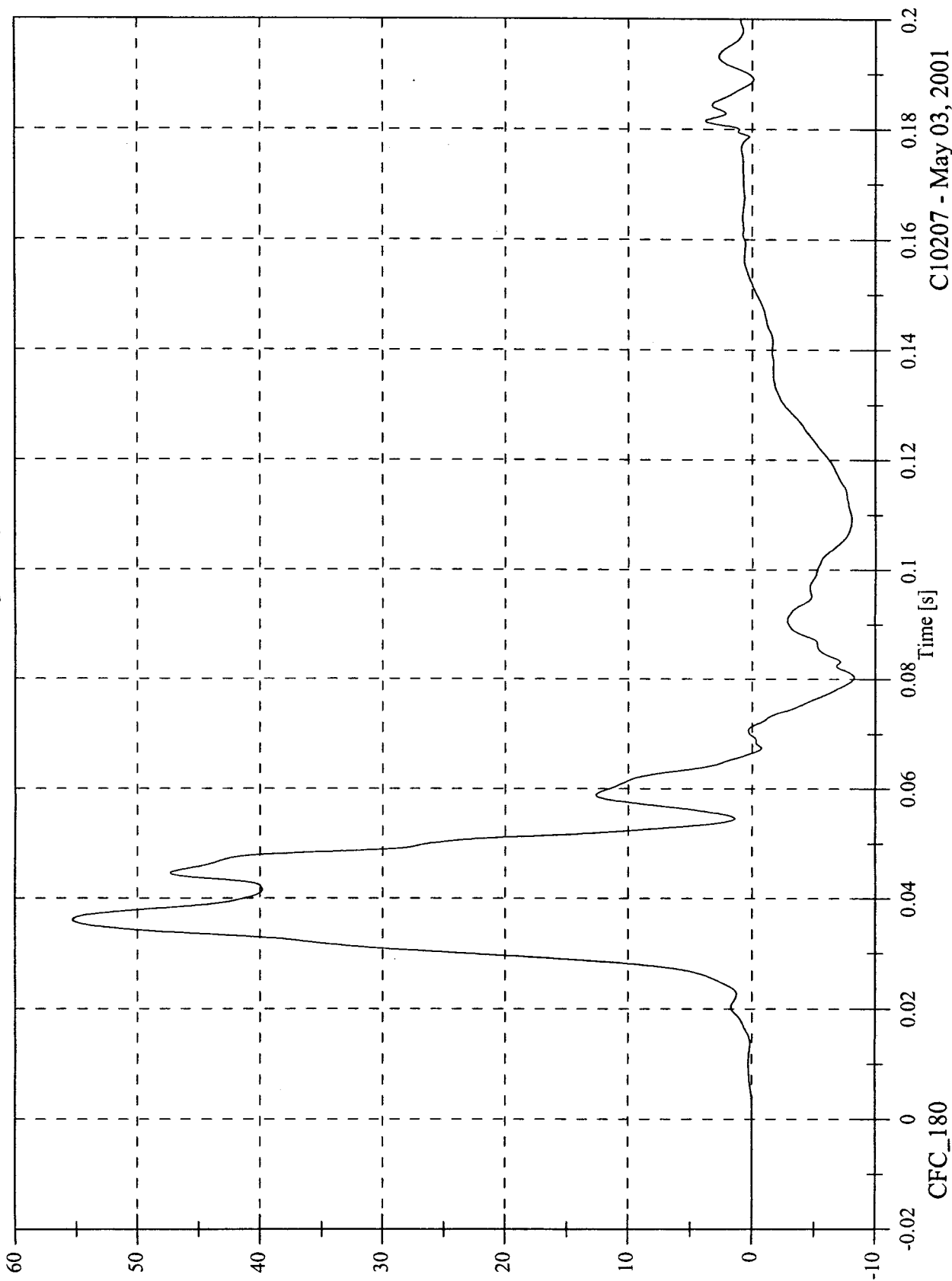
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 55.3 [g] at 0.036 [s]

Min: -8.3 [g] at 0.080 [s]

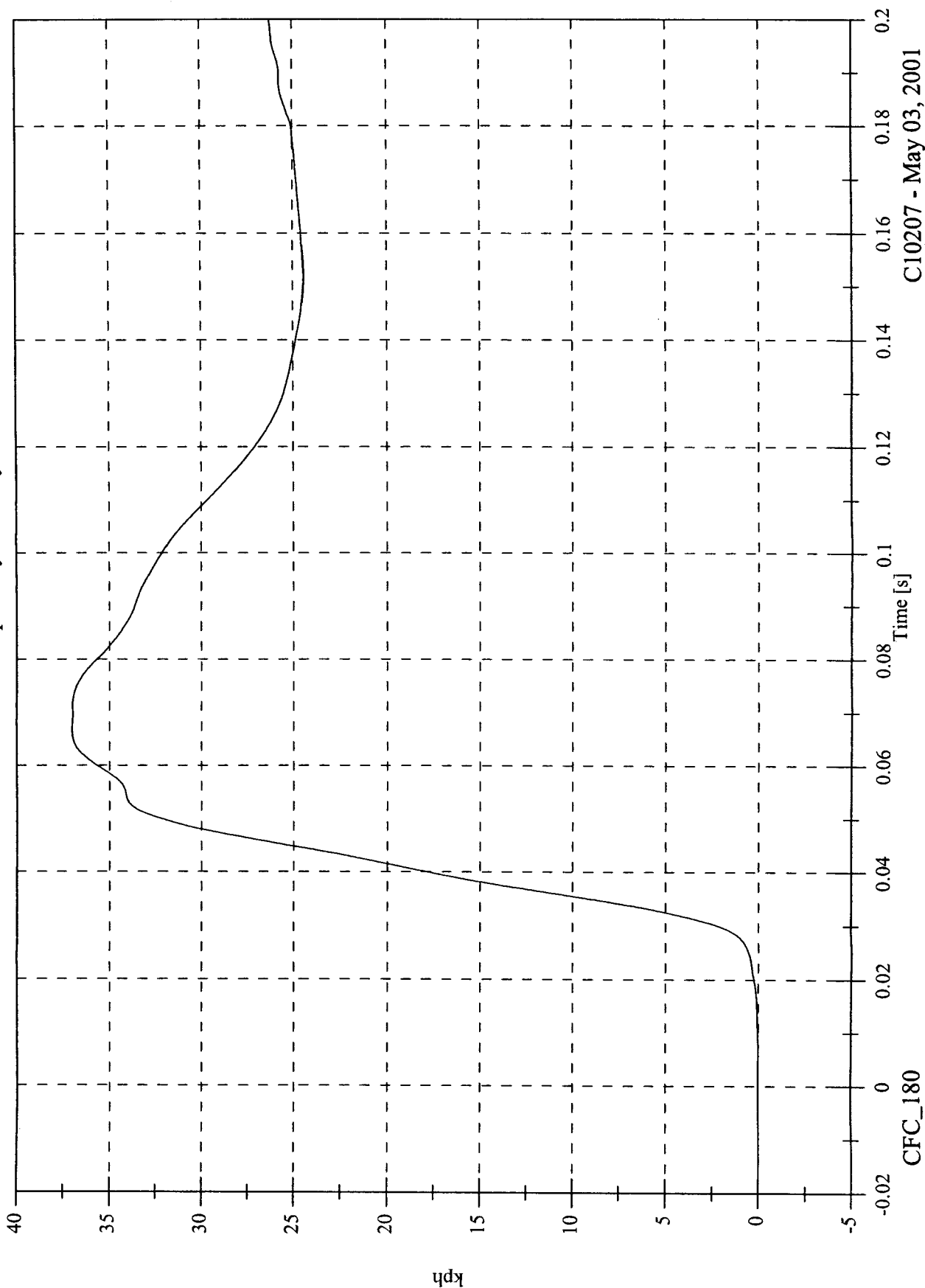
P1 Lower Spine Ry



FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 37.0 [kph] at 0.067 [s]
Min: -0.0 [kph] at -0.014 [s]

P1 Lower Spine Ry Velocity

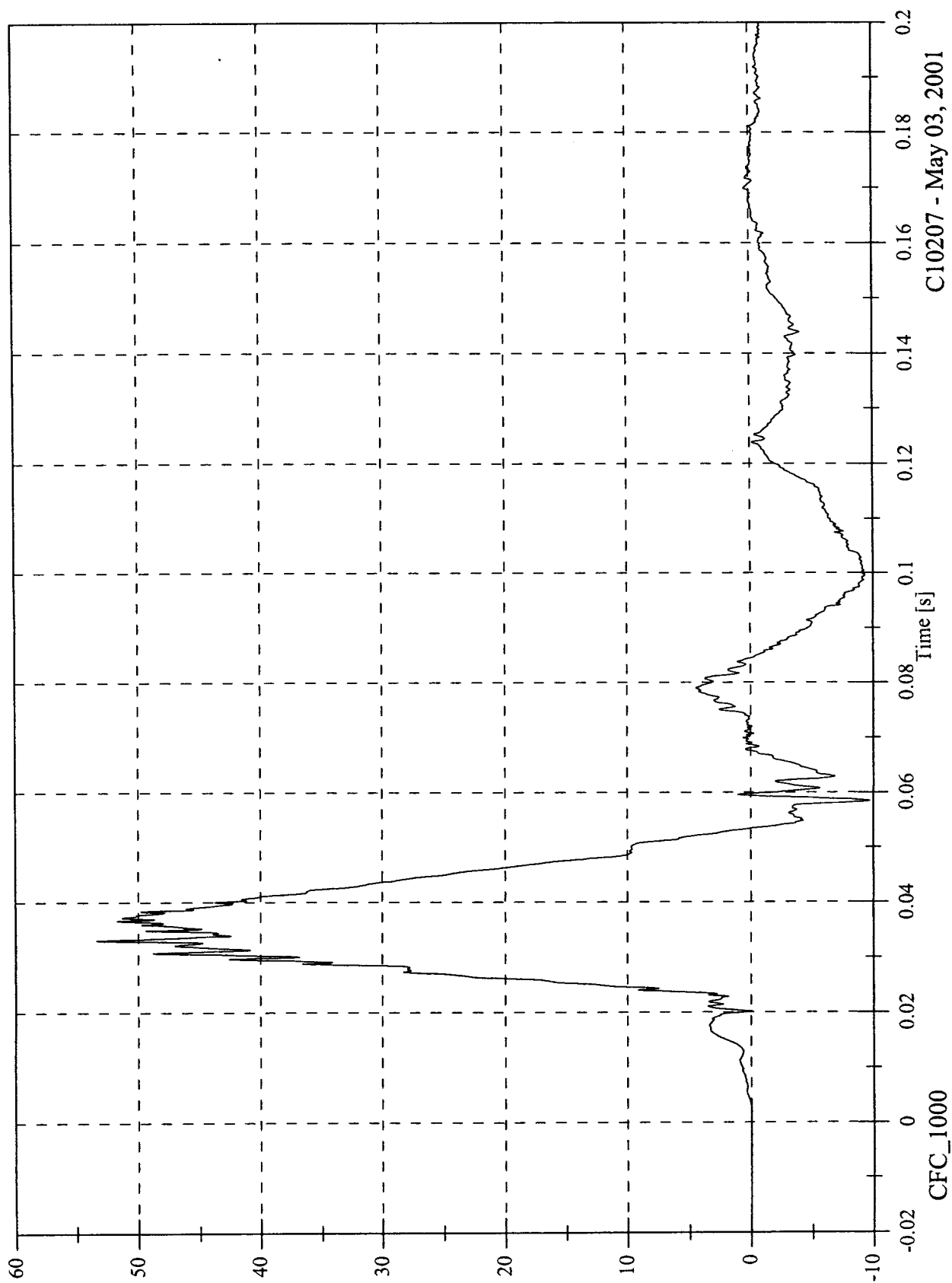


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 53.4 [g] at 0.033 [s]
Min: -9.7 [g] at 0.058 [s]

P1 Pelvic Ry

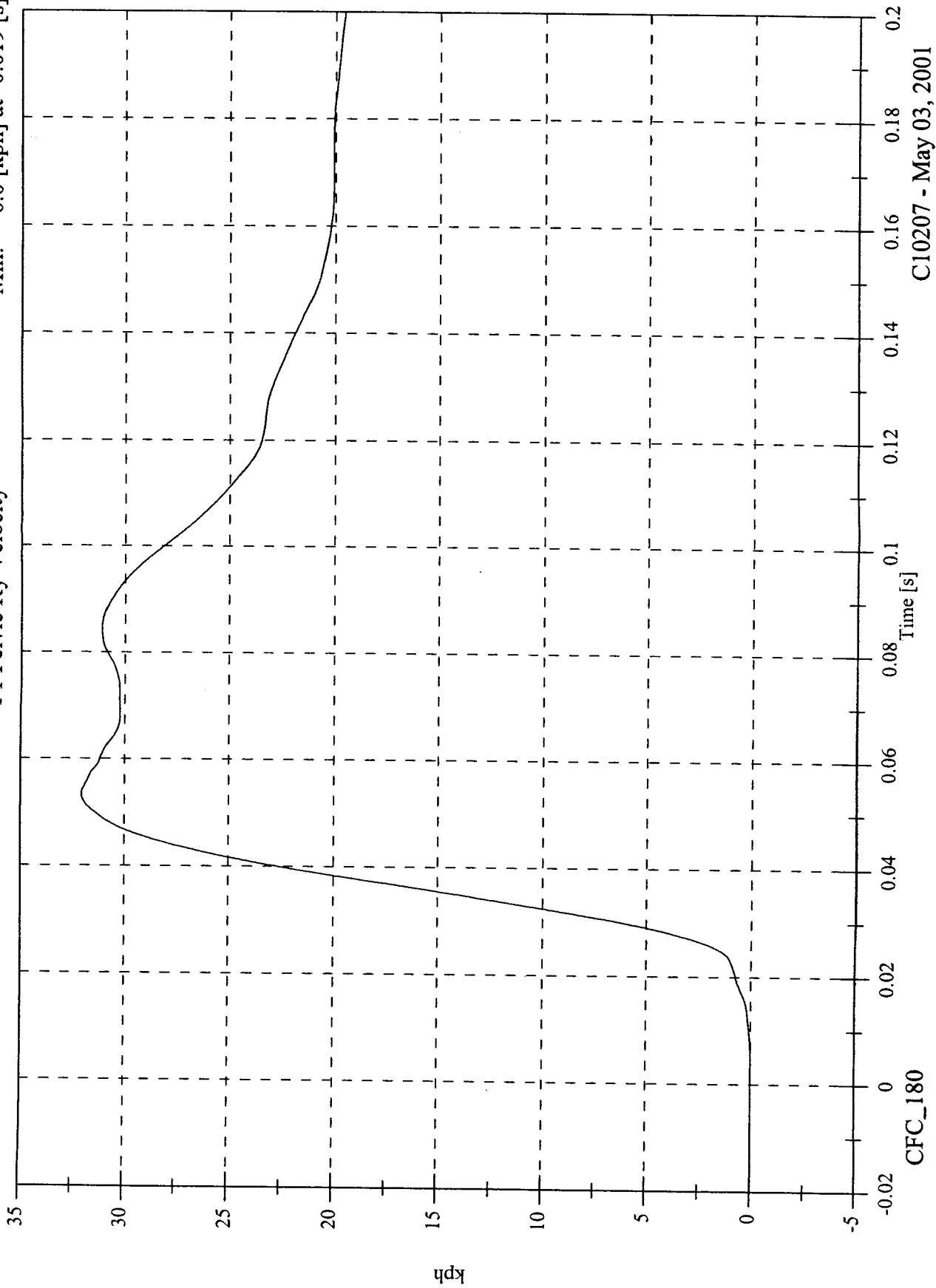


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 32.1 [kph] at 0.053 [s]
Min: -0.0 [kph] at -0.019 [s]

P1 Pelvic Ry Velocity

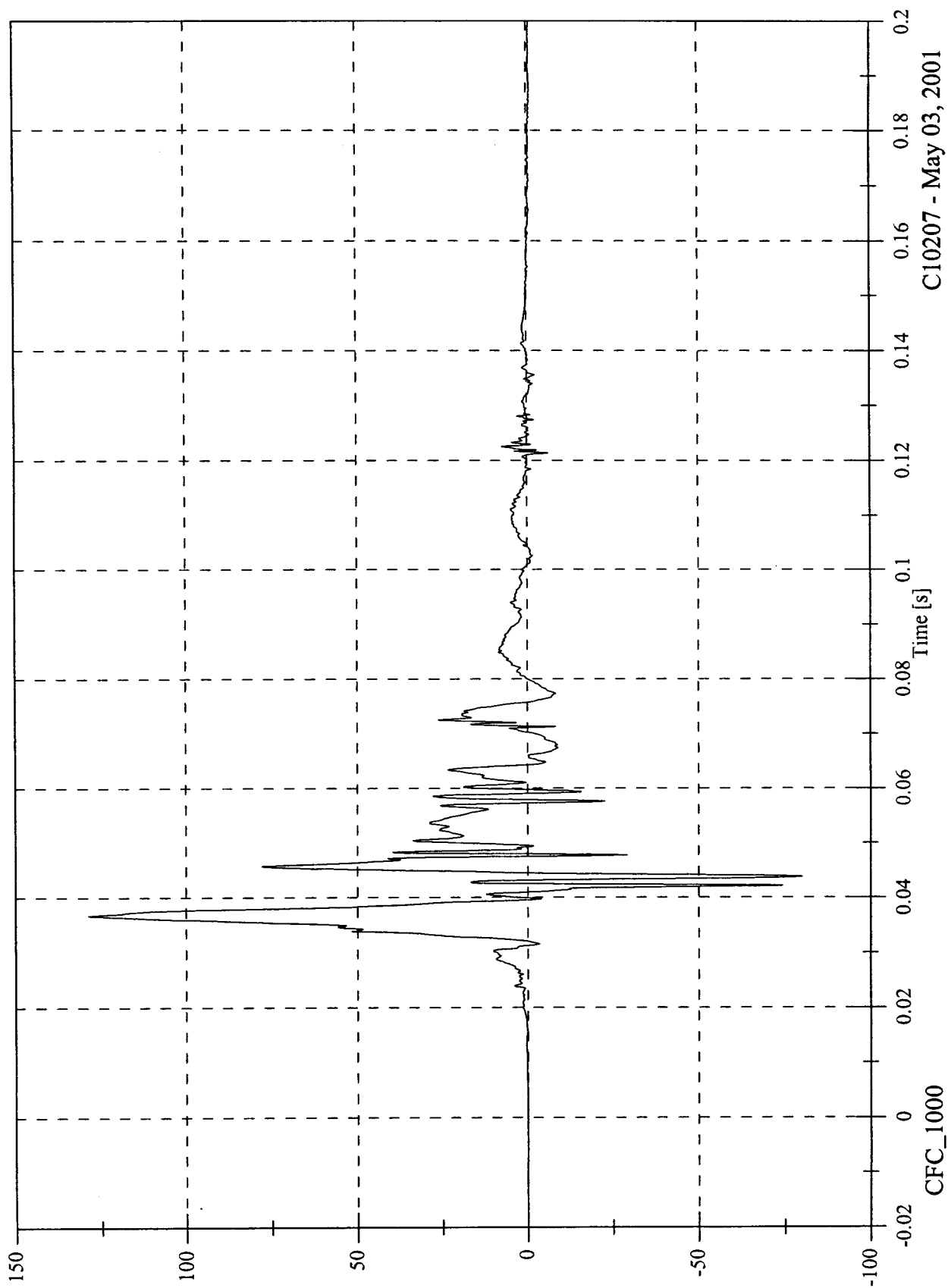


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 128.6 [g] at 0.037 [s]
Min: -80.0 [g] at 0.044 [s]

P4 Upper Rib Ry

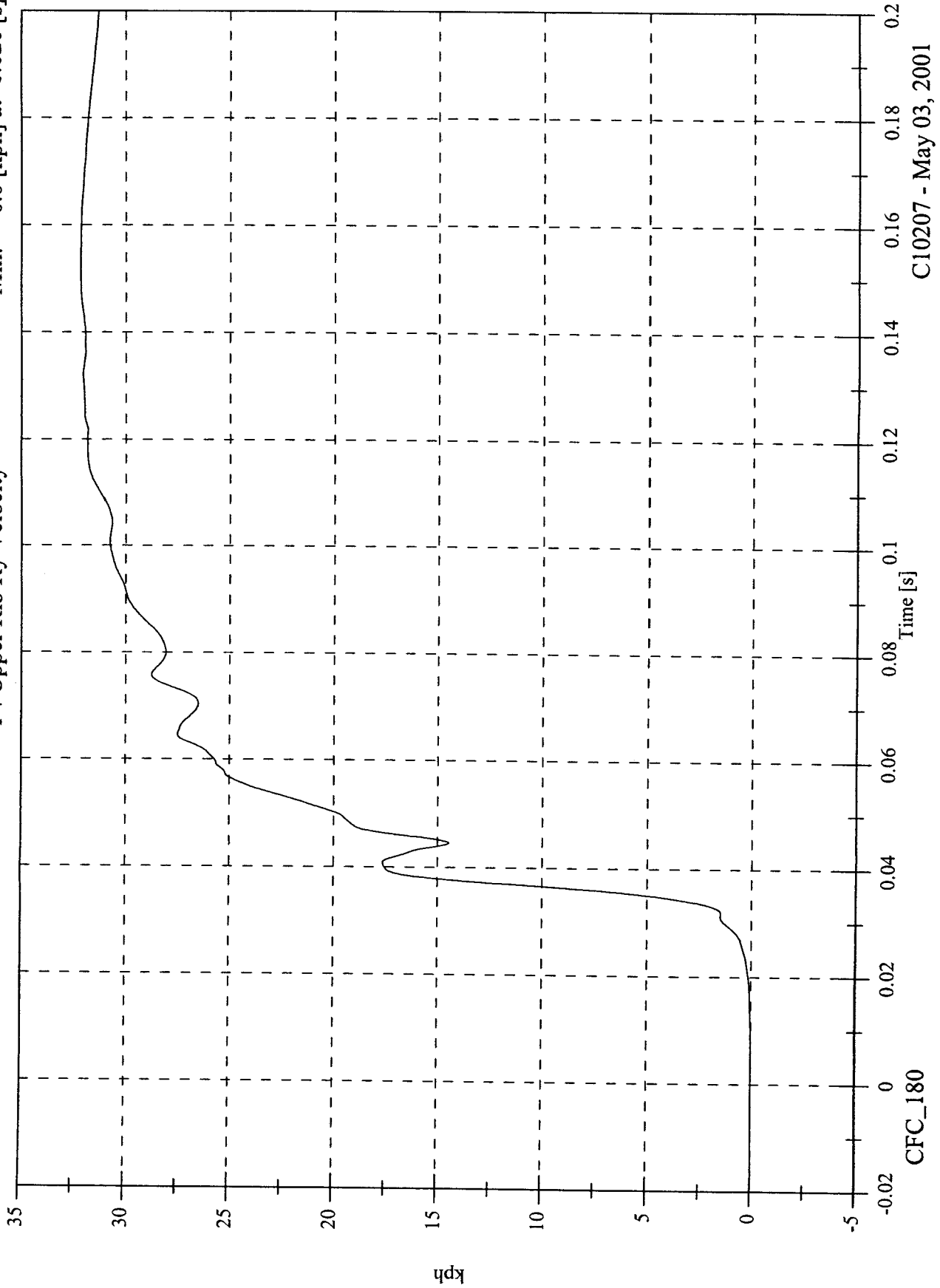


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 32.2 [kph] at 0.153 [s]
Min: -0.0 [kph] at -0.020 [s]

P4 Upper Rib Ry Velocity

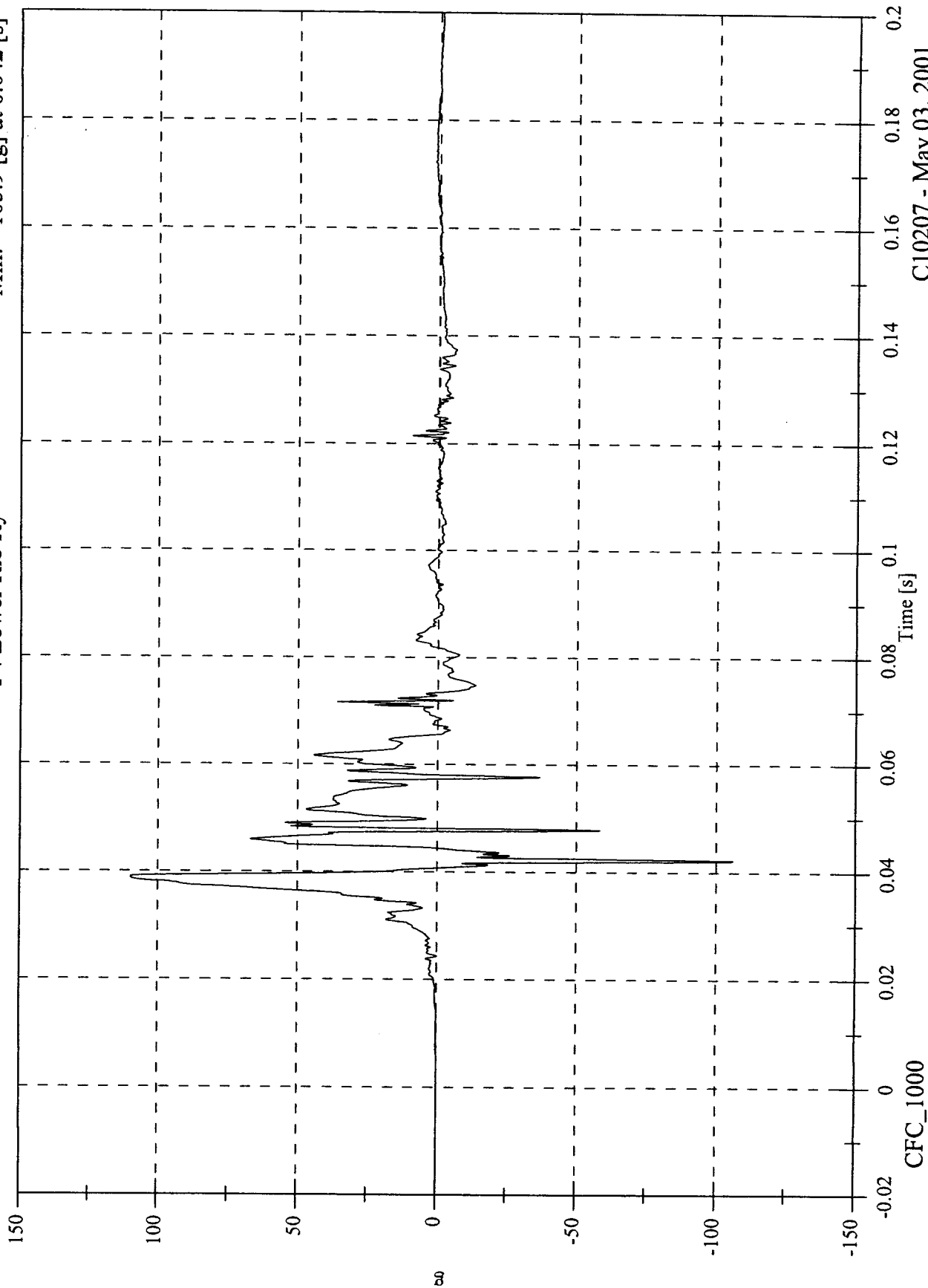


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 109.9 [g] at 0.039 [s]
Min: -105.9 [g] at 0.042 [s]

P4 Lower Rib Ry

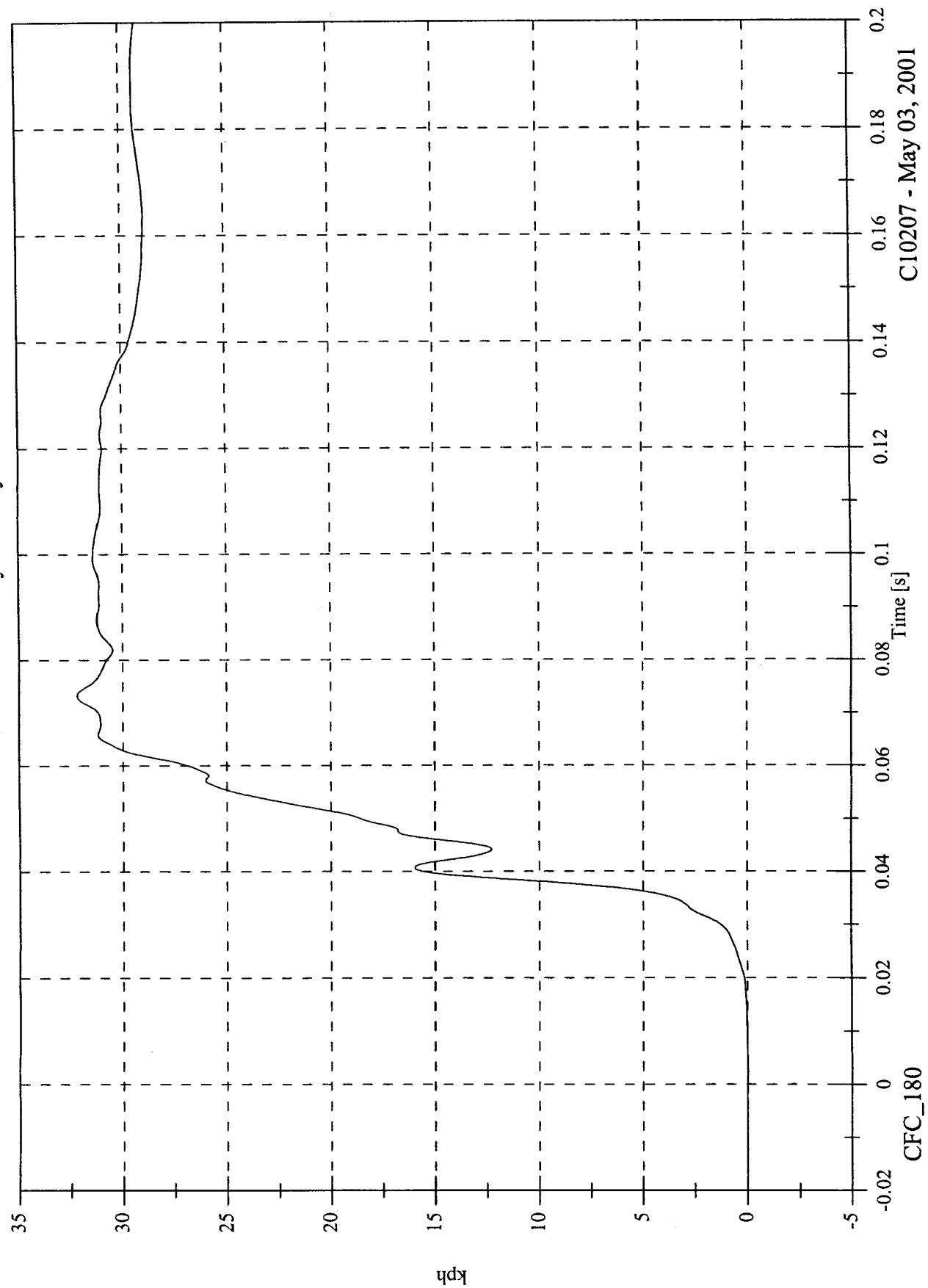


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 32.2 [kph] at 0.073 [s]
Min: -0.0 [kph] at -0.008 [s]

P4 Lower Rib Ry Velocity



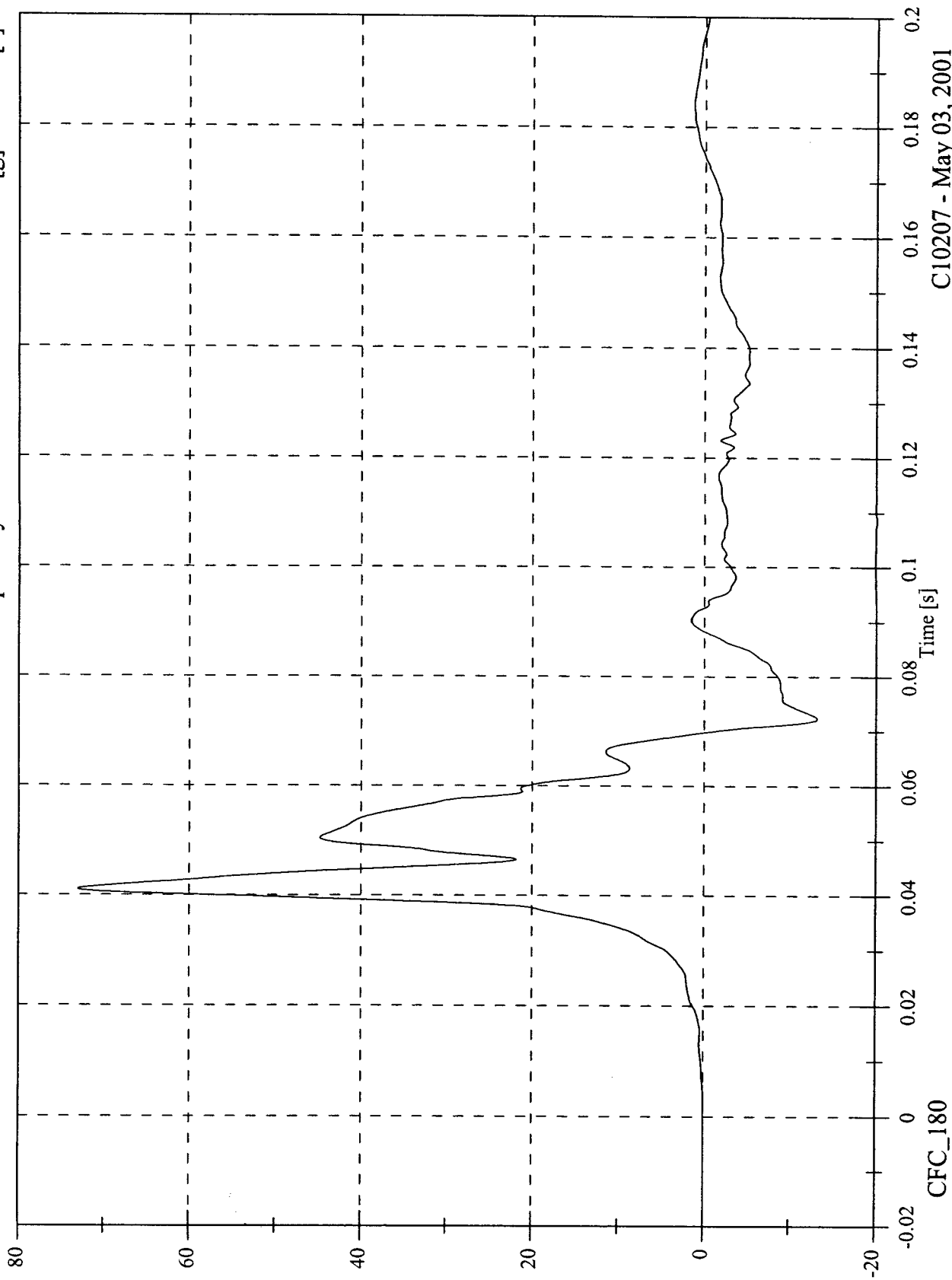
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 73.0 [g] at 0.041 [s]

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

P4 Lower Spine Ry

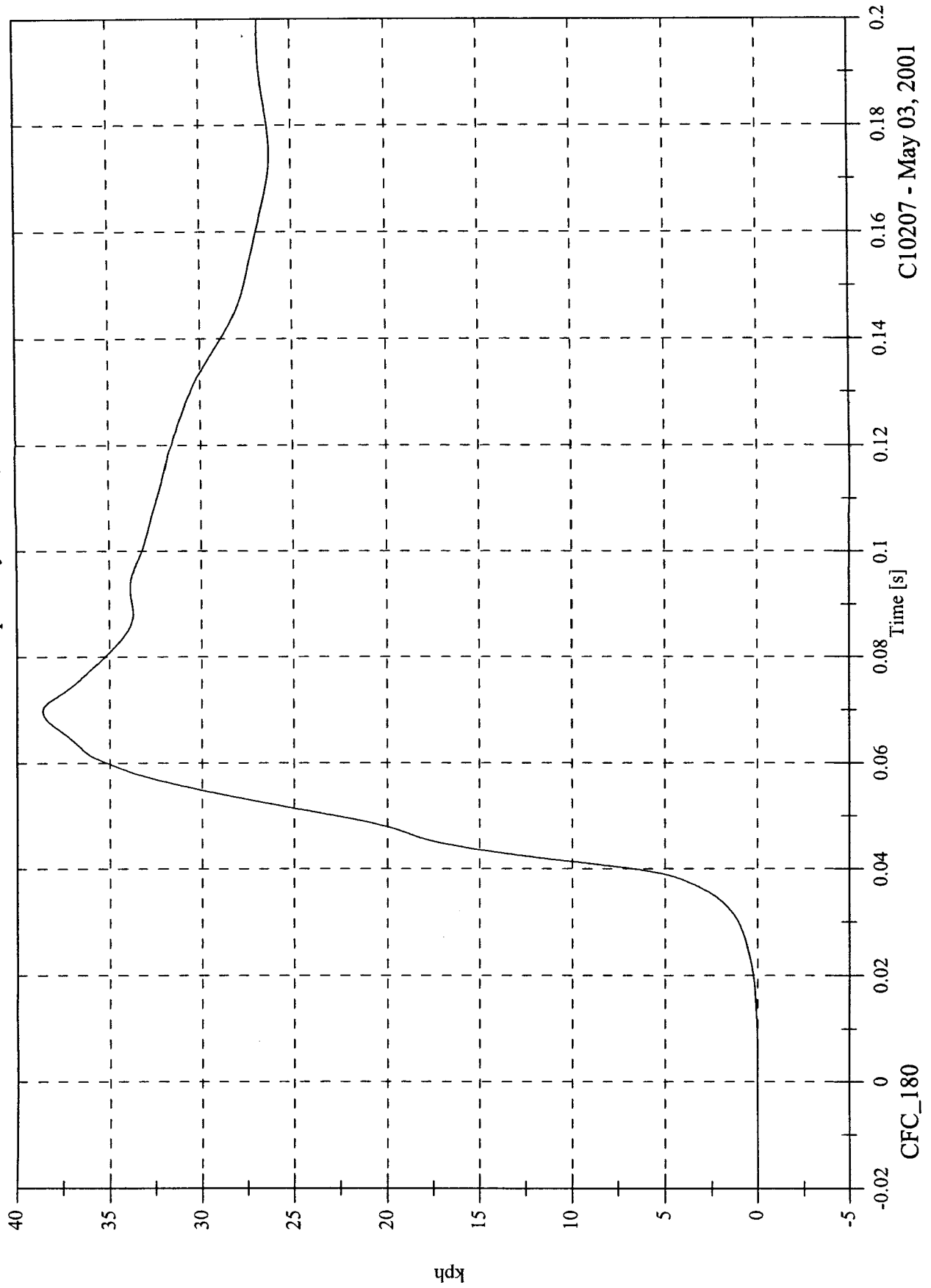


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 38.6 [kph] at 0.070 [s]
Min: -0.0 [kph] at -0.020 [s]

P4 Lower Spine Ry Velocity

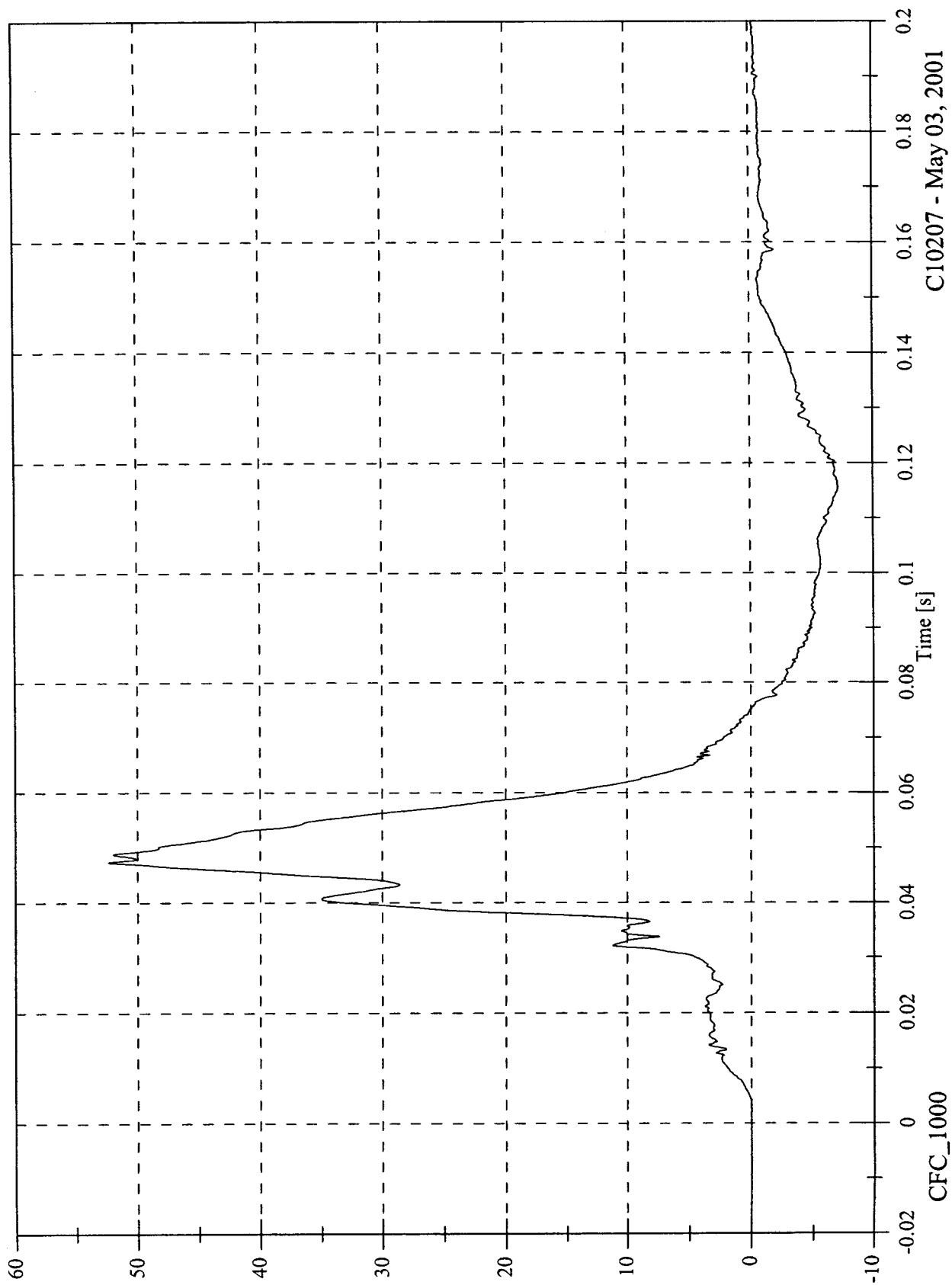


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P4 Pelvic Ry

Max: 52.3 [g] at 0.047 [s]
Min: -7.1 [g] at 0.115 [s]

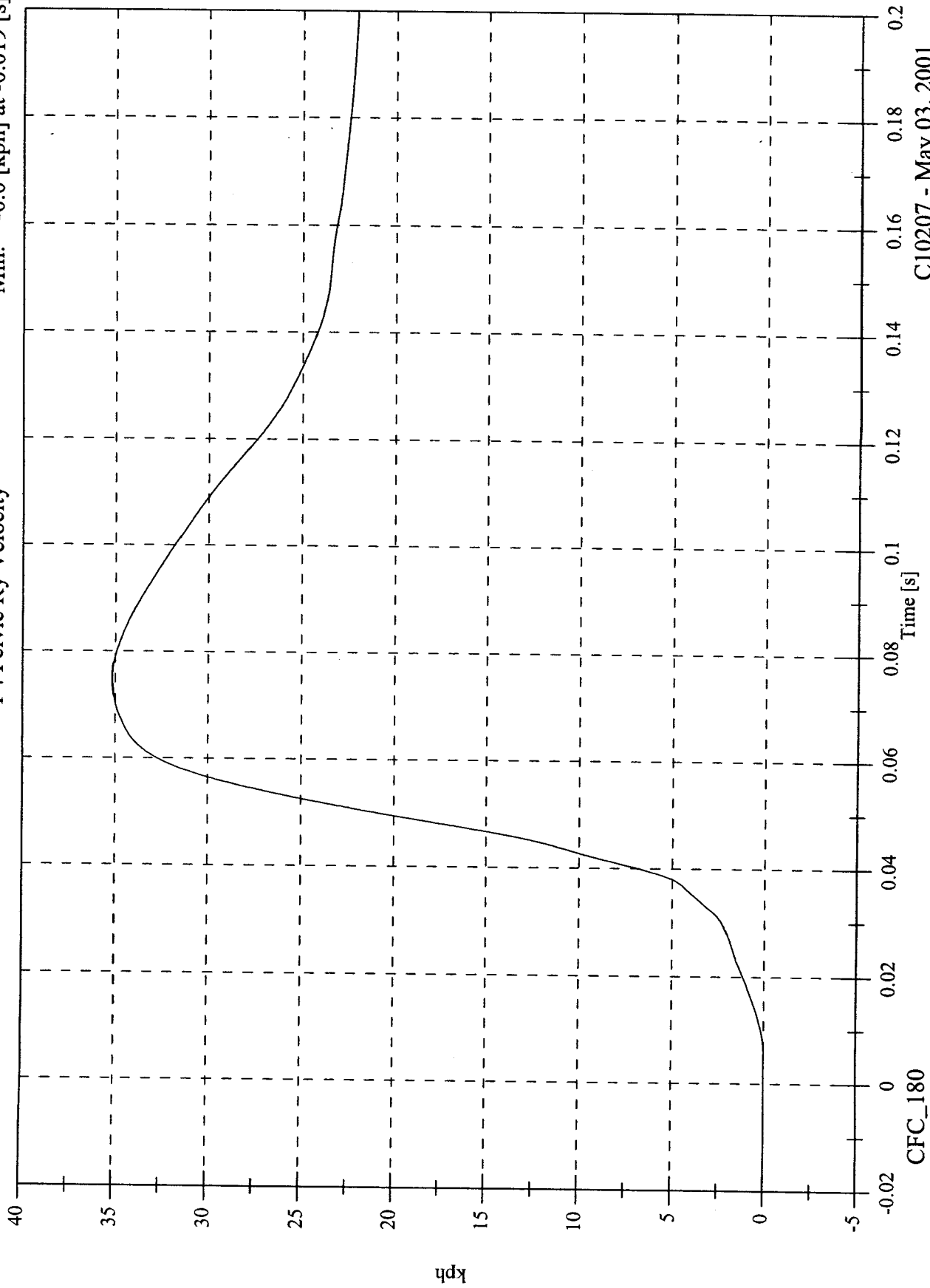


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 35.1 [kph] at 0.075 [s]
Min: -0.0 [kph] at -0.019 [s]

P4 Pelvic Ry Velocity

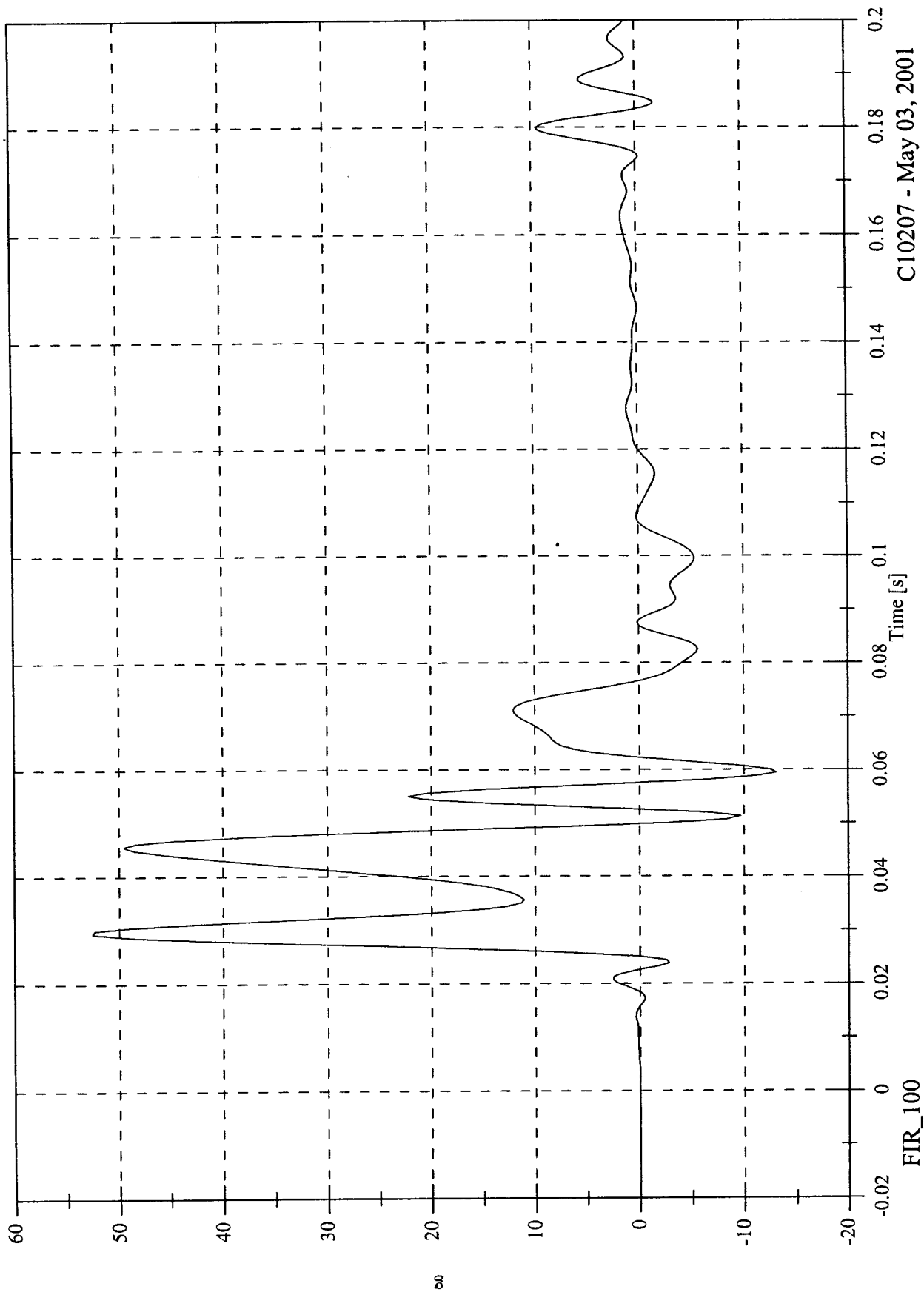


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Upper Rib Ry

Max: 52.5 [g] at 0.029 [s]
Min: -13.1 [g] at 0.059 [s]

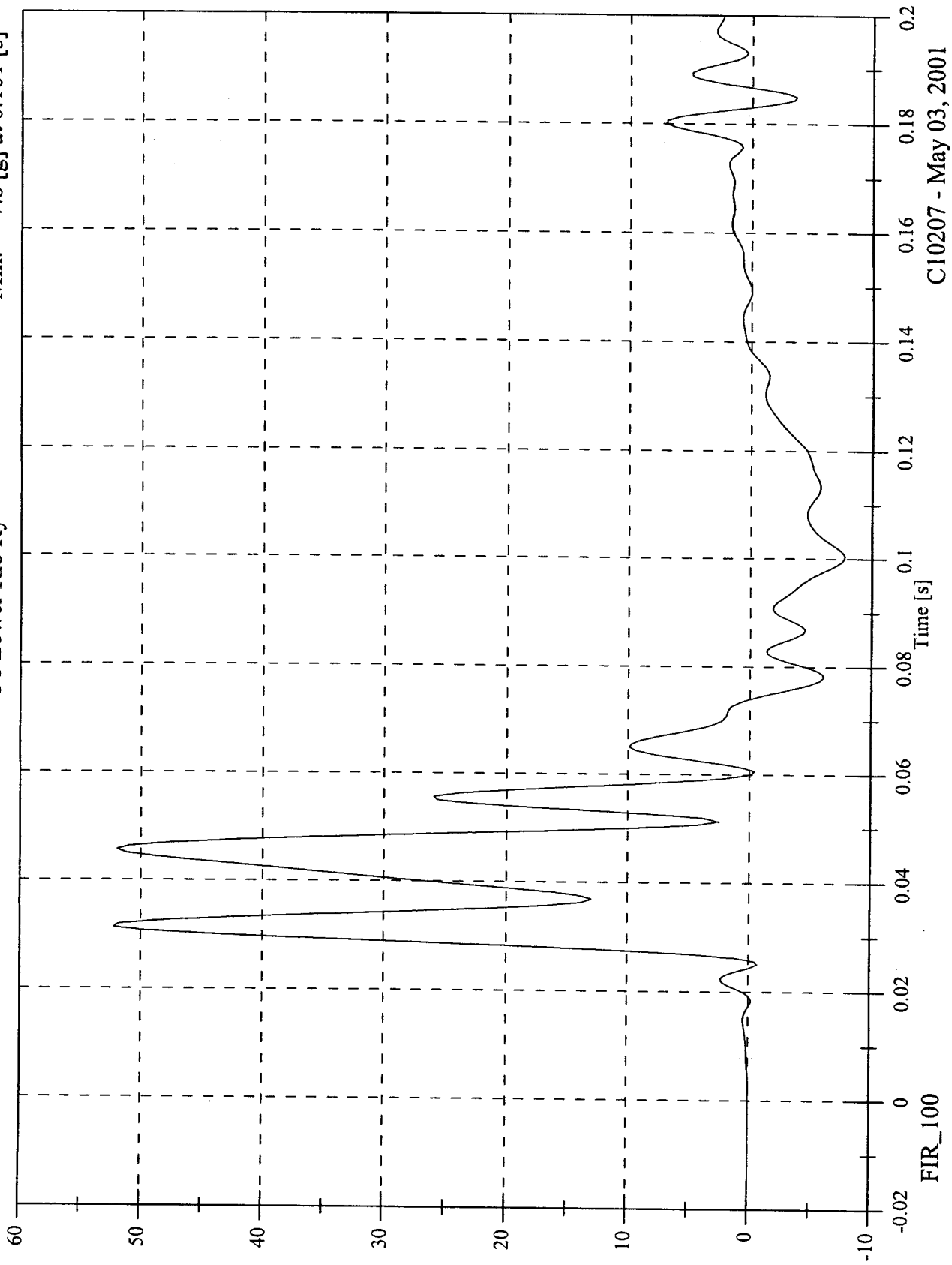


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P1 Lower Rib Ry

Max: 52.2 [g] at 0.031 [s]
Min: -7.8 [g] at 0.101 [s]

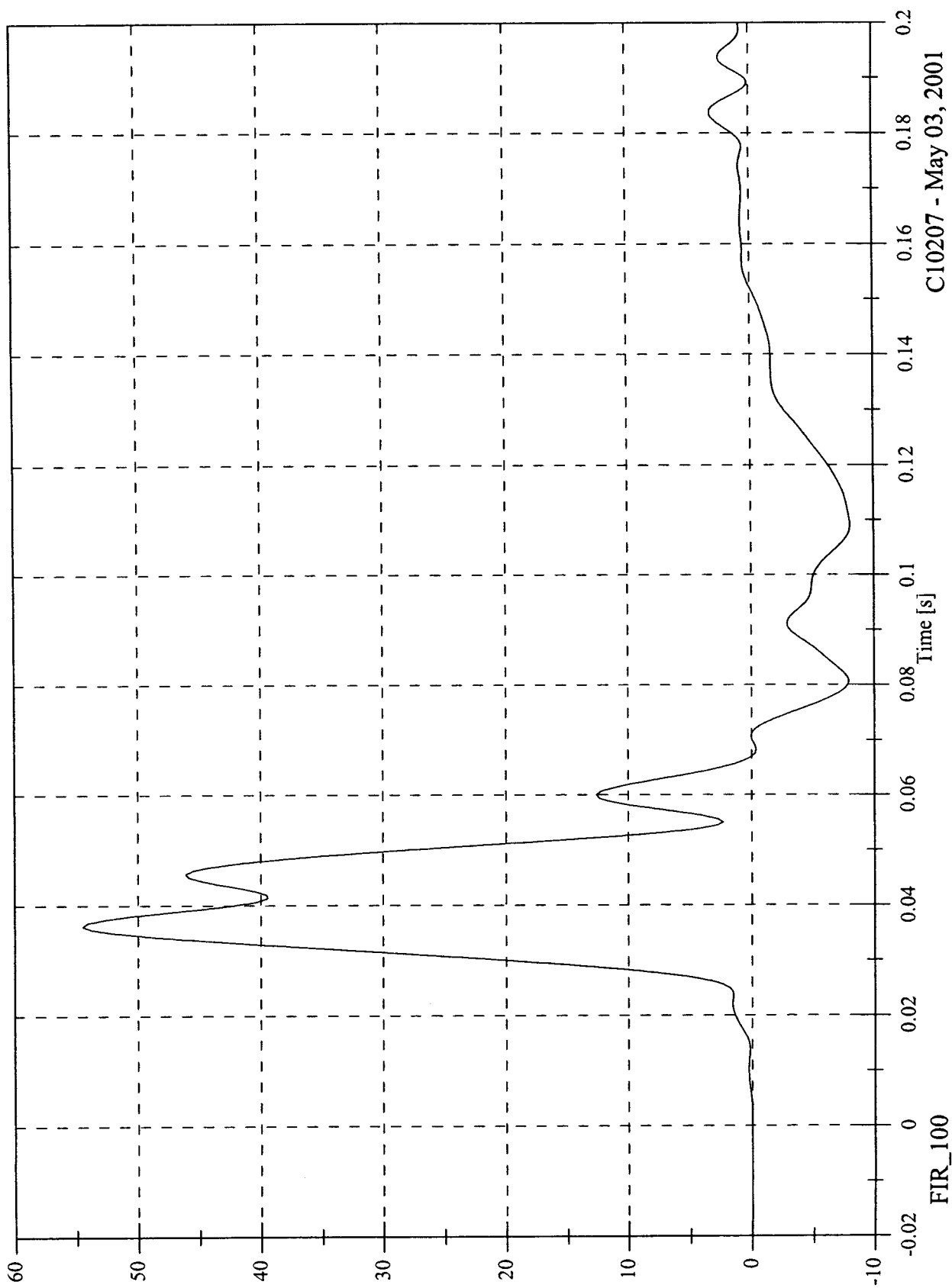


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 54.5 [g] at 0.036 [s]
Min: -8.0 [g] at 0.109 [s]

P1 Lower Spine Ry

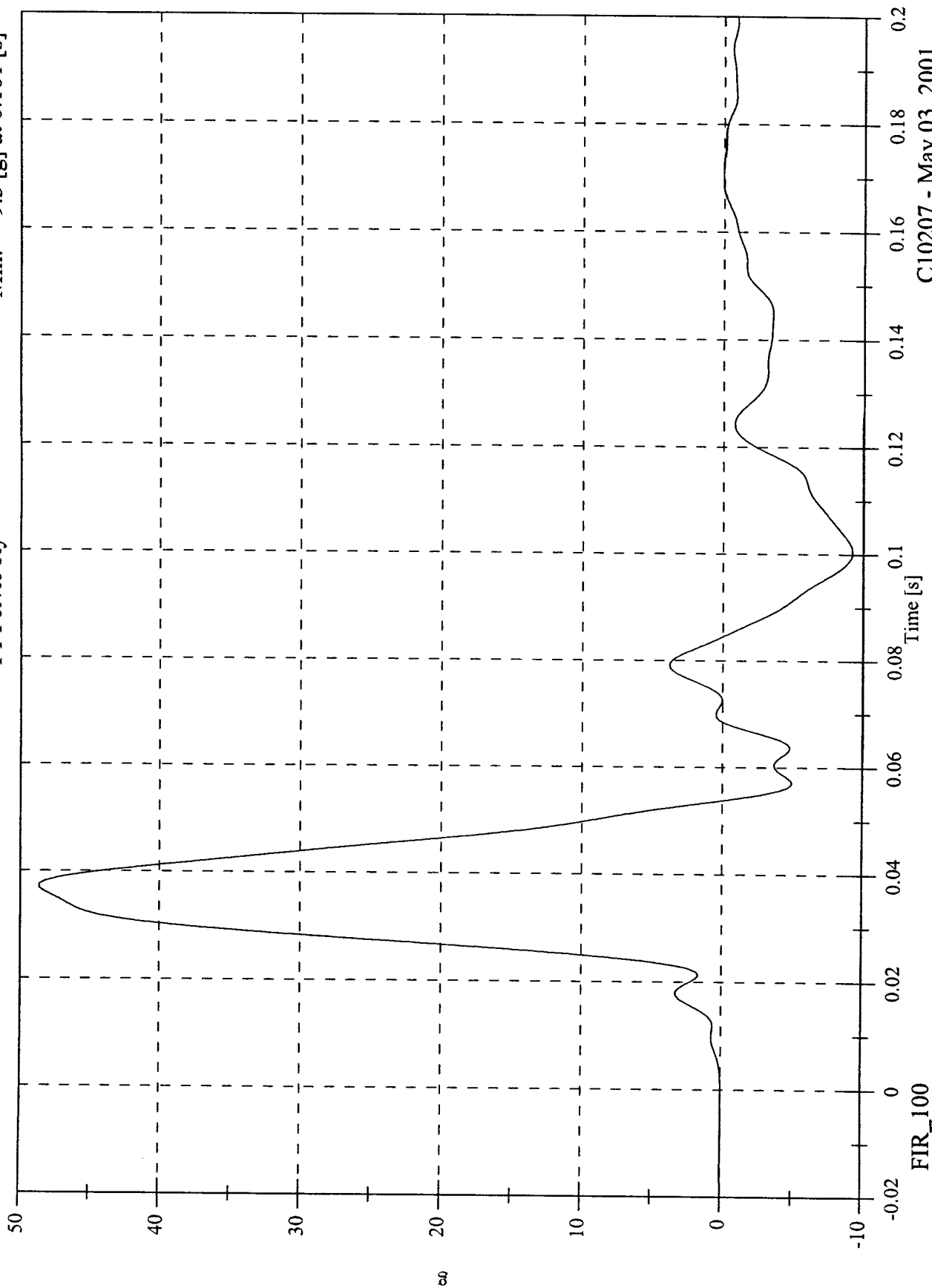


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 48.6 [g] at 0.038 [s]
Min: -9.3 [g] at 0.101 [s]

P1 Pelvic Ry



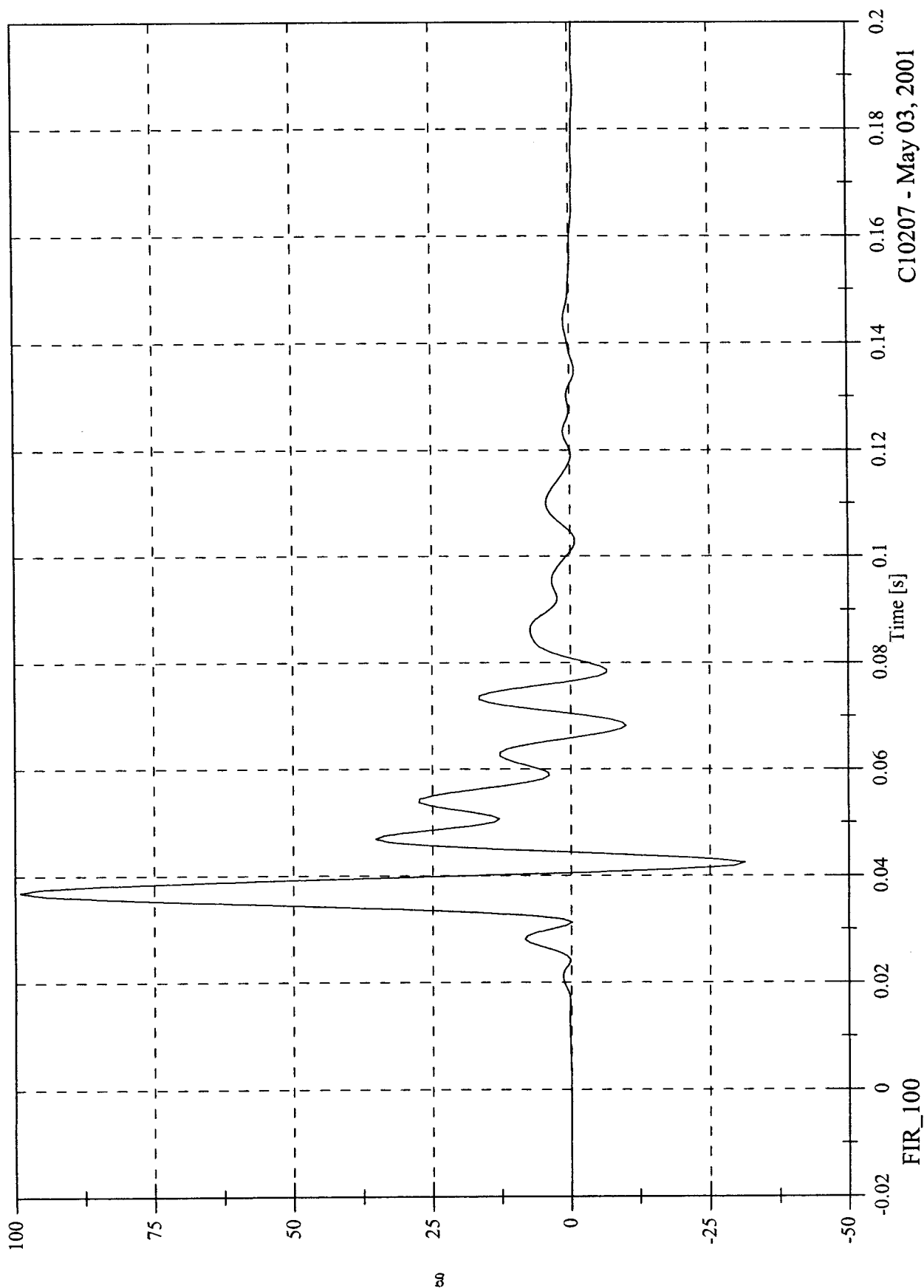
C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P4 Upper Rib Ry

Max: 99.1 [g] at 0.037 [s]

Min: -31.4 [g] at 0.043 [s]

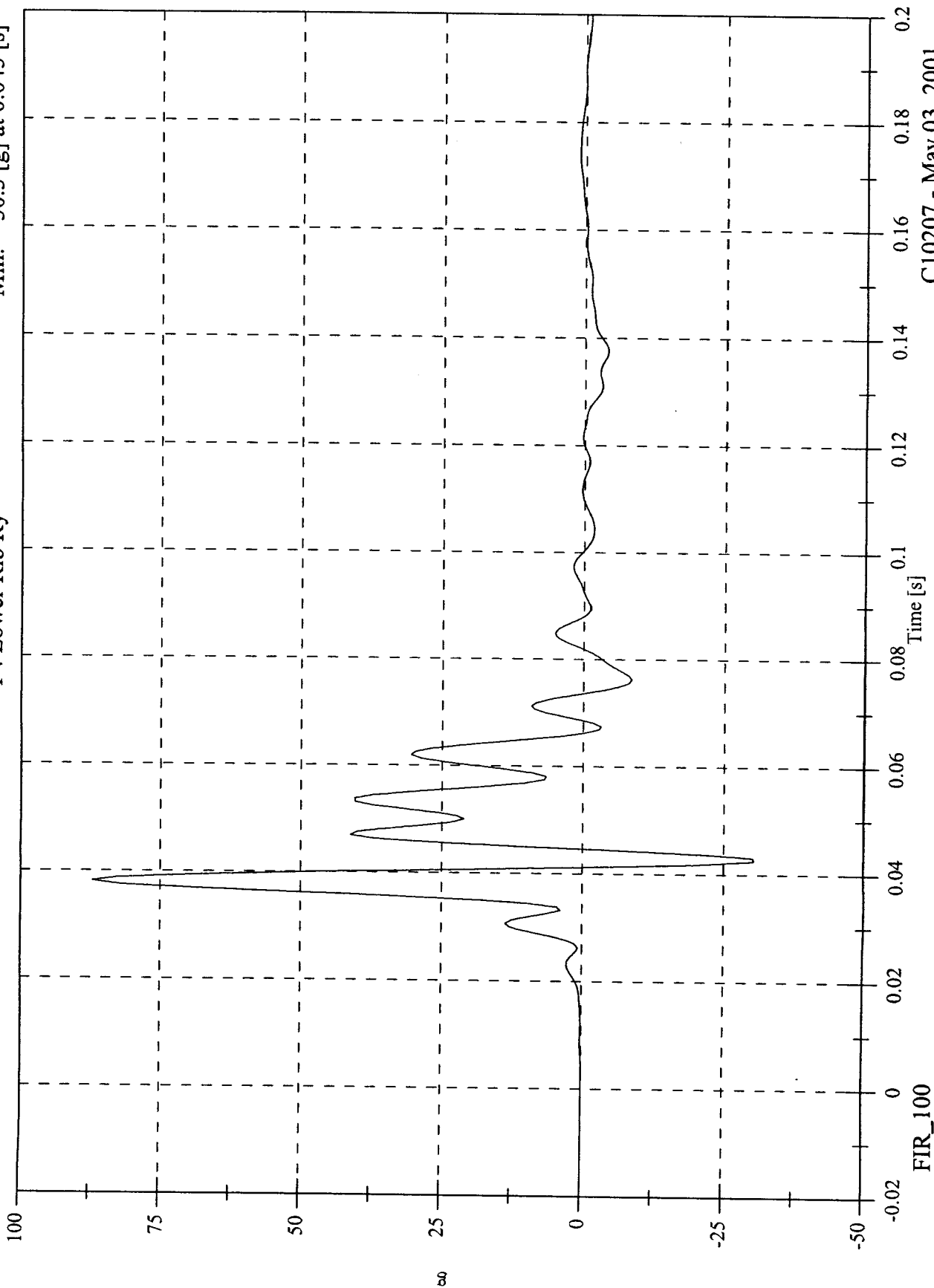


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P4 Lower Rib Ry

Max: 87.1 [g] at 0.038 [s]
Min: -30.3 [g] at 0.043 [s]

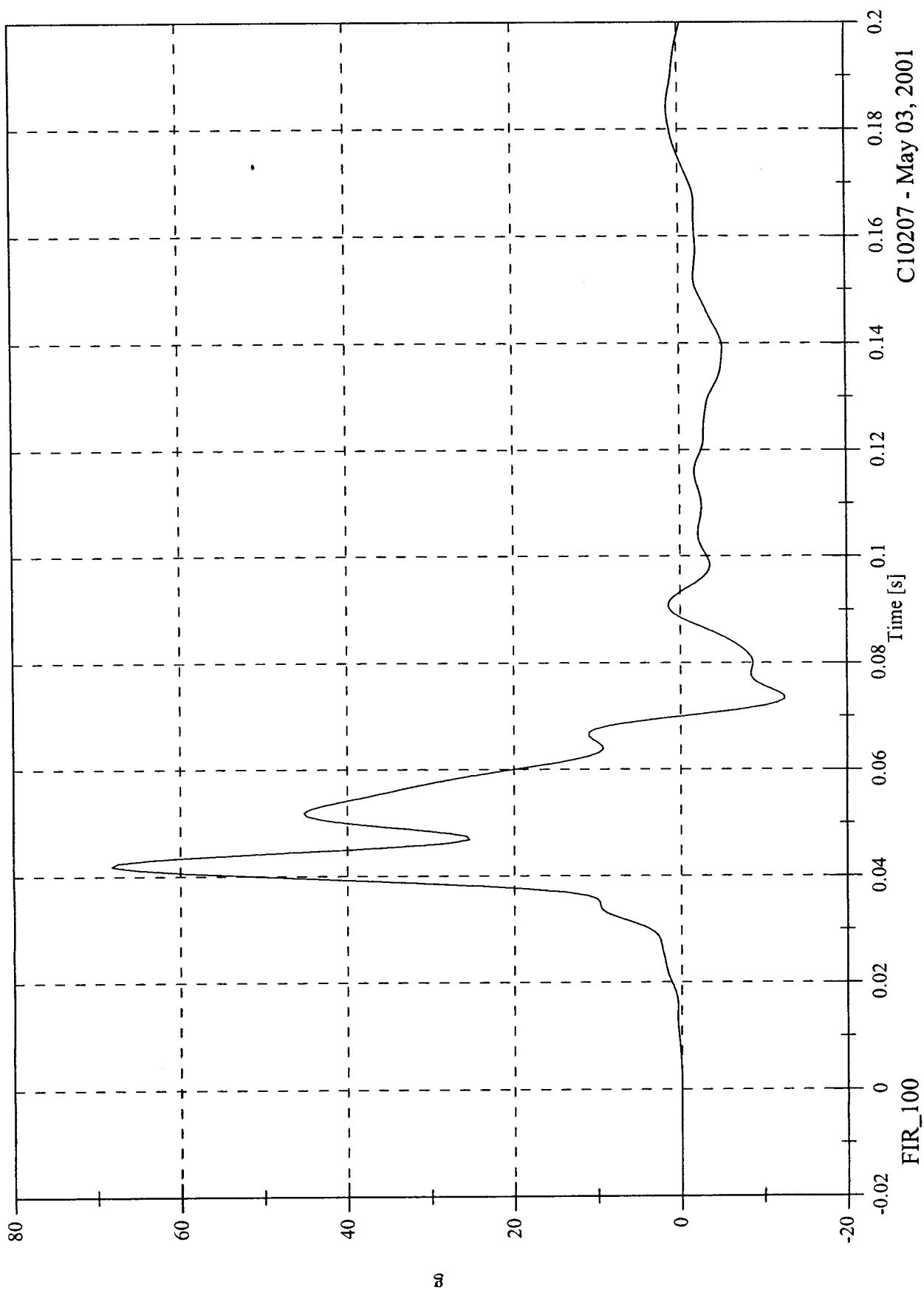


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

Max: 68.2 [g] at 0.042 [s]
Min: -12.4 [g] at 0.074 [s]

P4 Lower Spine Ry

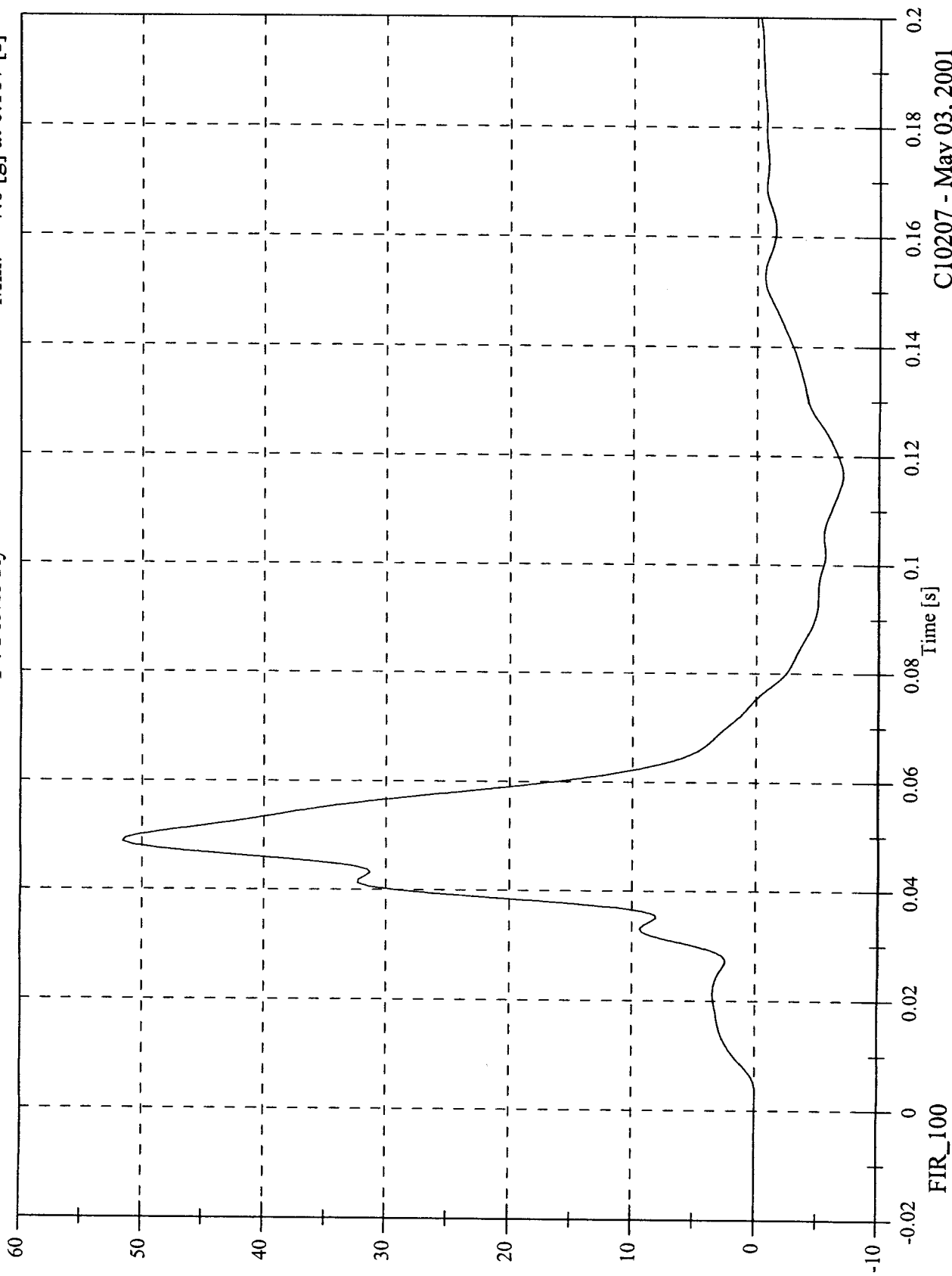


C10207 - May 03, 2001

FMVSS 214D Test 27 - 2001 Ford Mustang

P4 Pelvic Ry

Max: 51.6 [g] at 0.049 [s]
Min: -7.0 [g] at 0.117 [s]



C10207 - May 03, 2001

APPENDIX C

SID CONFIGURATION AND PERFORMANCE VERIFICATION DATA

SUMMARY
SID PRE & POST TEST CALIBRATION

CONFIGURED FOR LEFT SIDE IMPACT

Date: 3/16/01, 4/3/01; M1y 15, 2001

Sequential Test Number:

4,3; 5,4

Laboratory Technician:

B. Swiecicki

TEST PARAMETER	SPECIFICATION	SID NO.: 015		SID NO.: 026	
		PRE TEST	POST TEST	PRE TEST	POST TEST
SH- Seated Height (mm)	889 - 909	904	902	902	899
RH- Rib Height (mm)	501 - 521	511	512	518	518
HP- Hip Pivot Height (mm)	99 ref.	99	99	99	99
RD- Rib from Back Line (mm)	229 - 241	236	239	236	236
KV- Knee Pivot from Back Line (mm)	511 - 526	521	521	518	518
SW- Knee Pivot to Floor (mm)	490 - 505	493	493	493	493
HW- Hip Width (mm)	356 - 391	368	373	371	371
THORAX IMPACTS					
TEMPERATURE (°C)	18.9 - 25.5	21.7	21.1	21.1	21.1
RELATIVE HUMIDITY (%)	10 - 70	30	32	31	31
PROBE SPEED (m/s)	4.27 - 4.33	4.31	4.29	4.27	4.27
UPPER RIB (g's)	37 - 46	38.1	39.2	38.7	38.5
LOWER RIB (g's)	37 - 46	38.2	39.8	38.2	38.4
LOWER SPINE (g's)	15 - 22	20.8	21.1	19.6	20.4
PELVIS IMPACT					
TEMPERATURE (°C)	18.9 - 25.5	21.1	21.1	21.1	21.1
RELATIVE HUMIDITY (%)	10 - 70	32	32	31	31
PROBE SPEED (m/s)	4.27 - 4.33	4.28	4.28	4.32	4.28
PELVIS (g's)	40 - 60	42.9	47.2	48.9	46.1

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
Date: March 16, 2001

Sequential Test Number: 4
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: 4
Date: March 16, 2001 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	368

REMARKS: None

THORACIC SHOCK ABSORBER TESTS

PRE-TEST

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 4
 Date: January 20, 2001 Laboratory Technician: B. Swiecicki

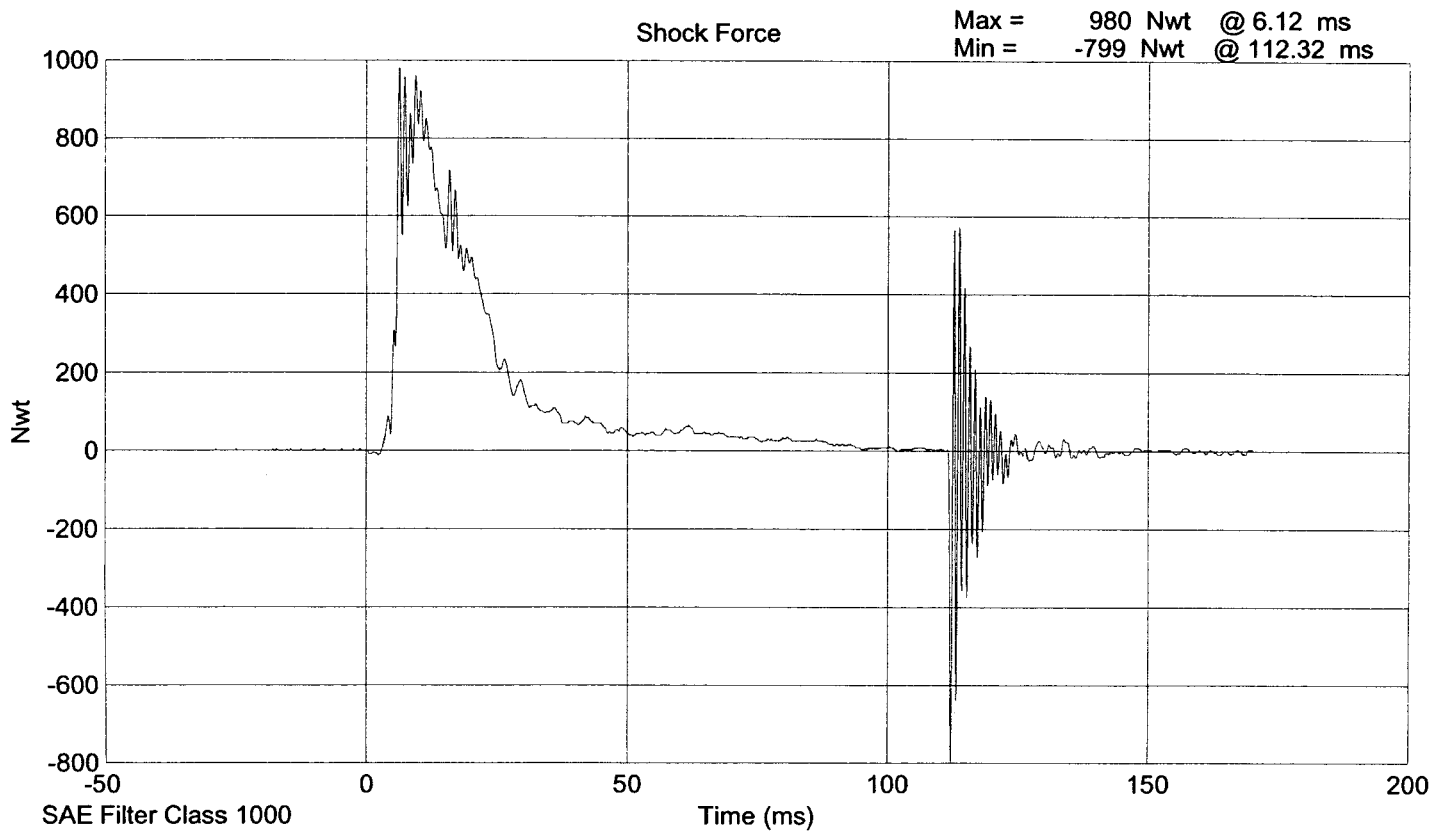
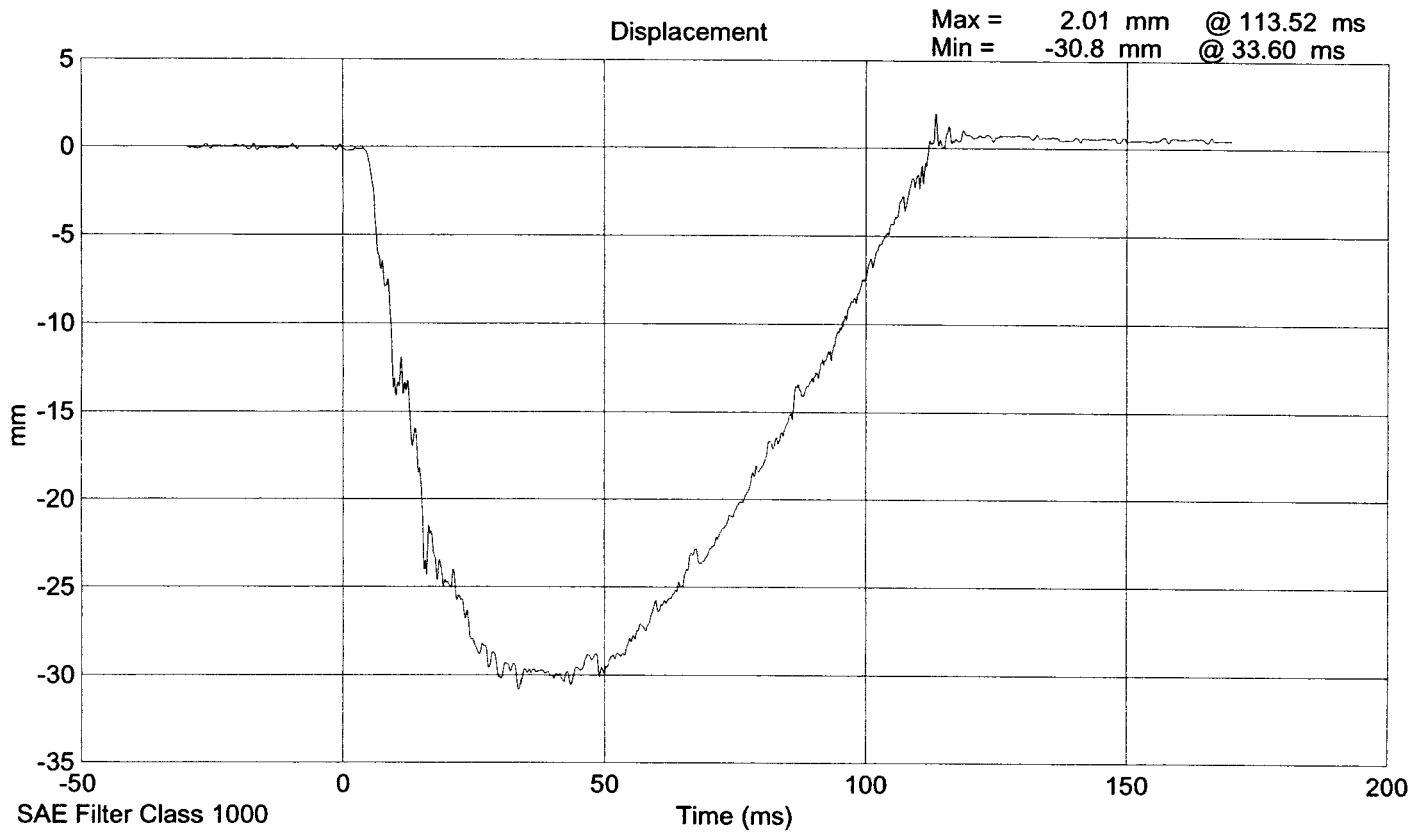
DAMPER IDENTIFICATION: 015

TEST PARAMETER		SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)		18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)		10 - 70	30
VELOCITY 3.05 m/s	FORCE (N)	836 - 1125	980
	DISPLACEMENT (mm)	30 - 35	30.8
VELOCITY 4.27 m/s	FORCE (N)	1730 - 2099	1893
	DISPLACEMENT (mm)	32 - 37	33.8
VELOCITY 6.10 m/s	FORCE (N)	3741 - 4448	3800
	DISPLACEMENT (mm)	33 - 40	37.0

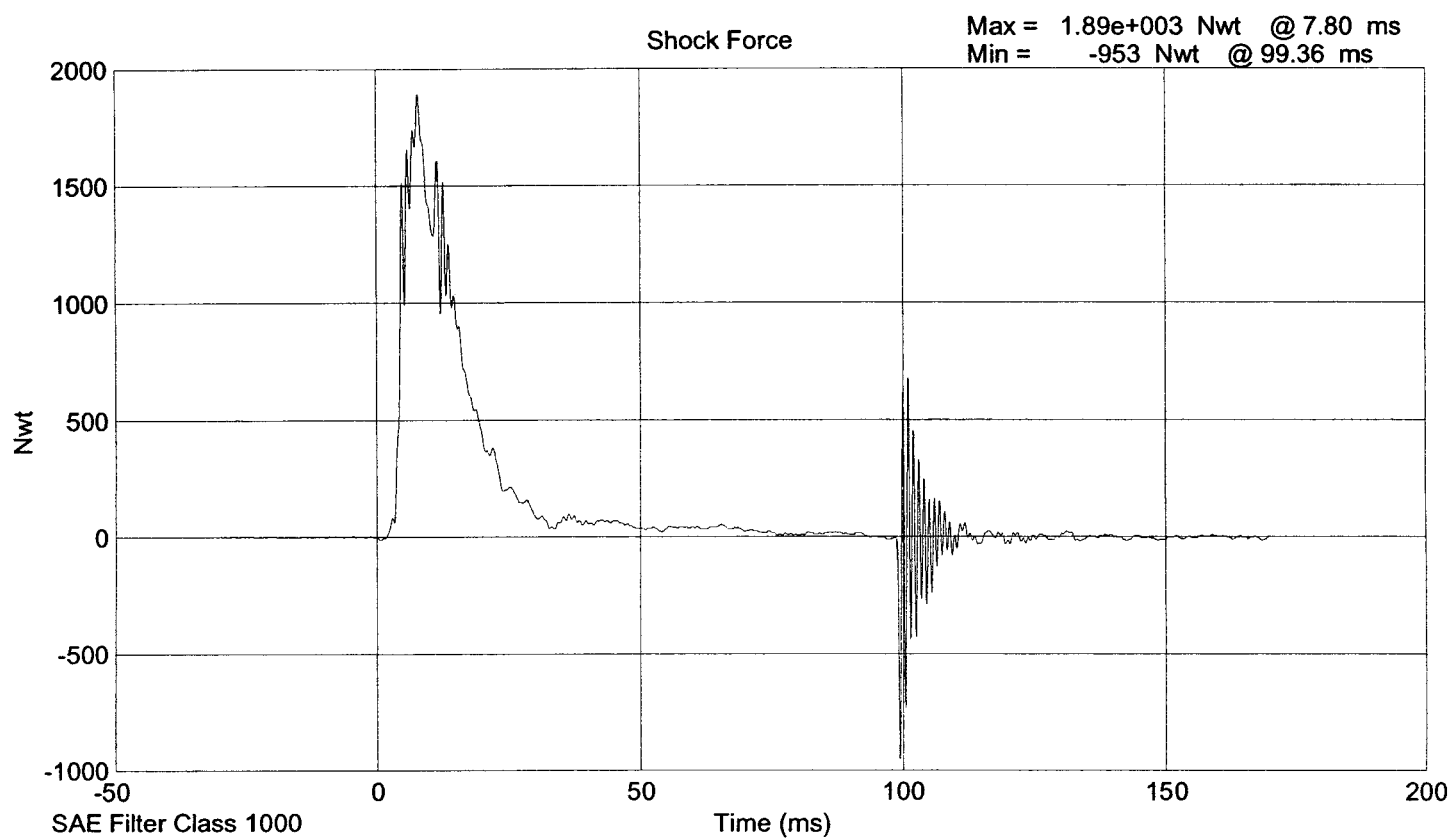
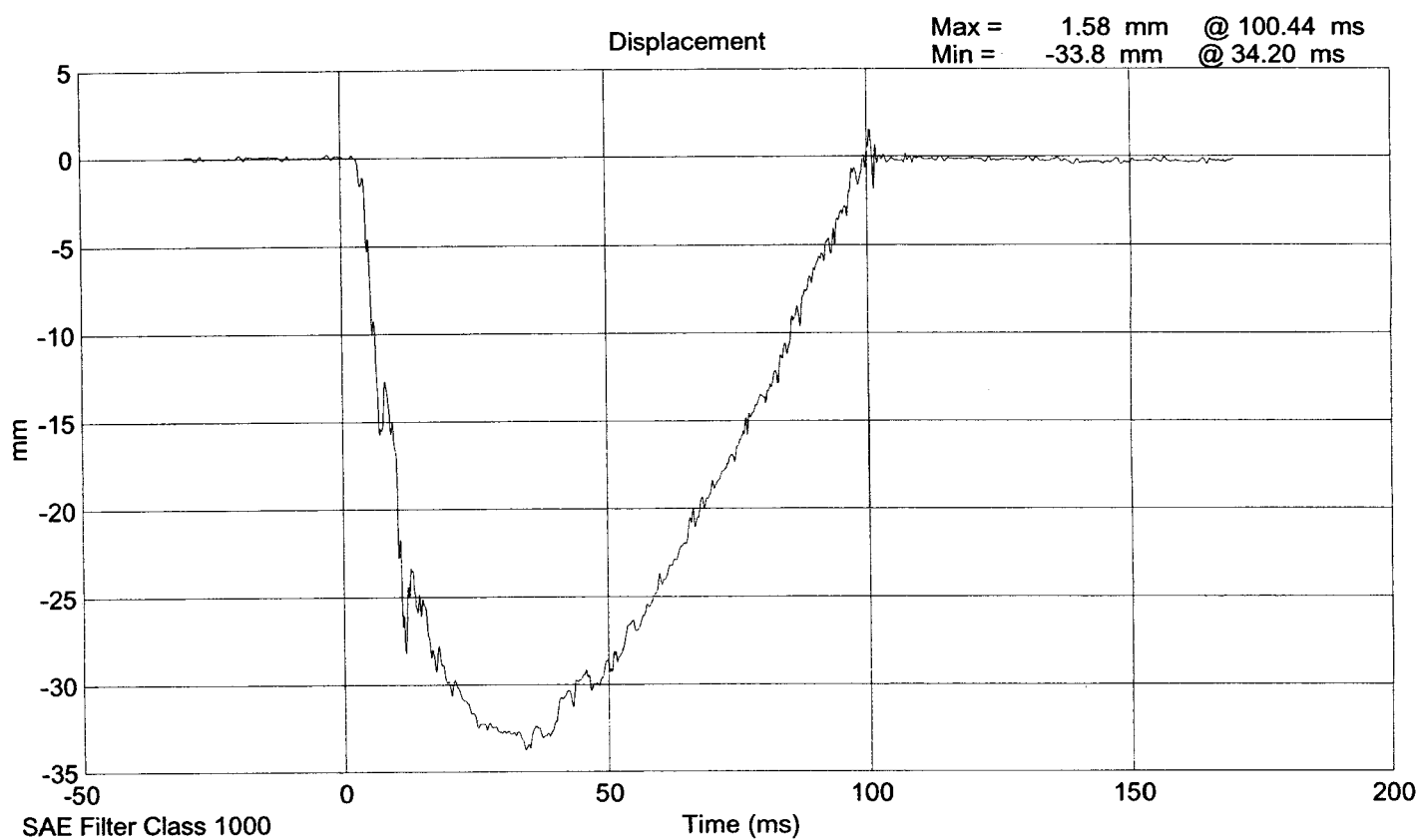
DAMPER SETTING: 5

REMARKS: None

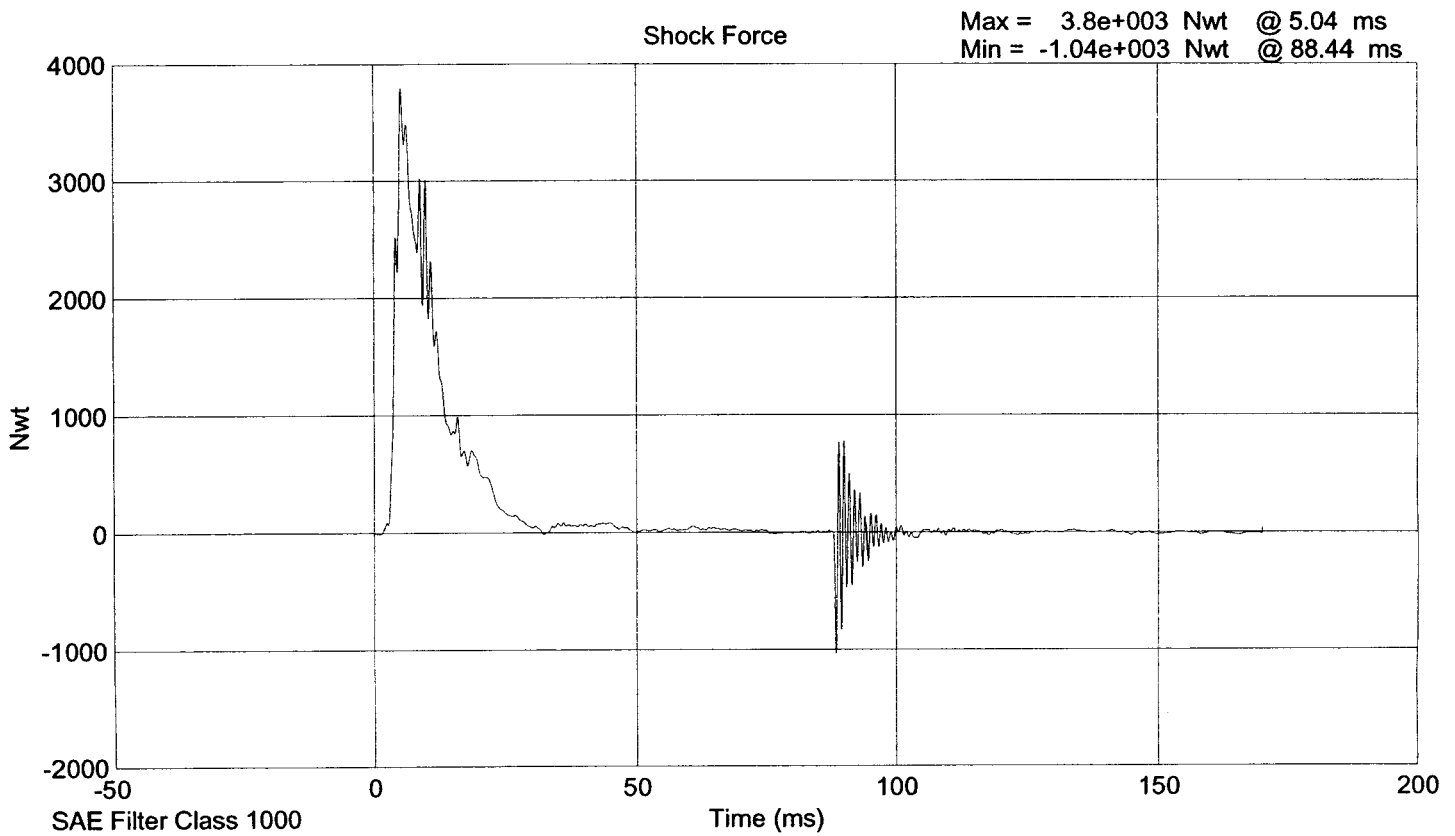
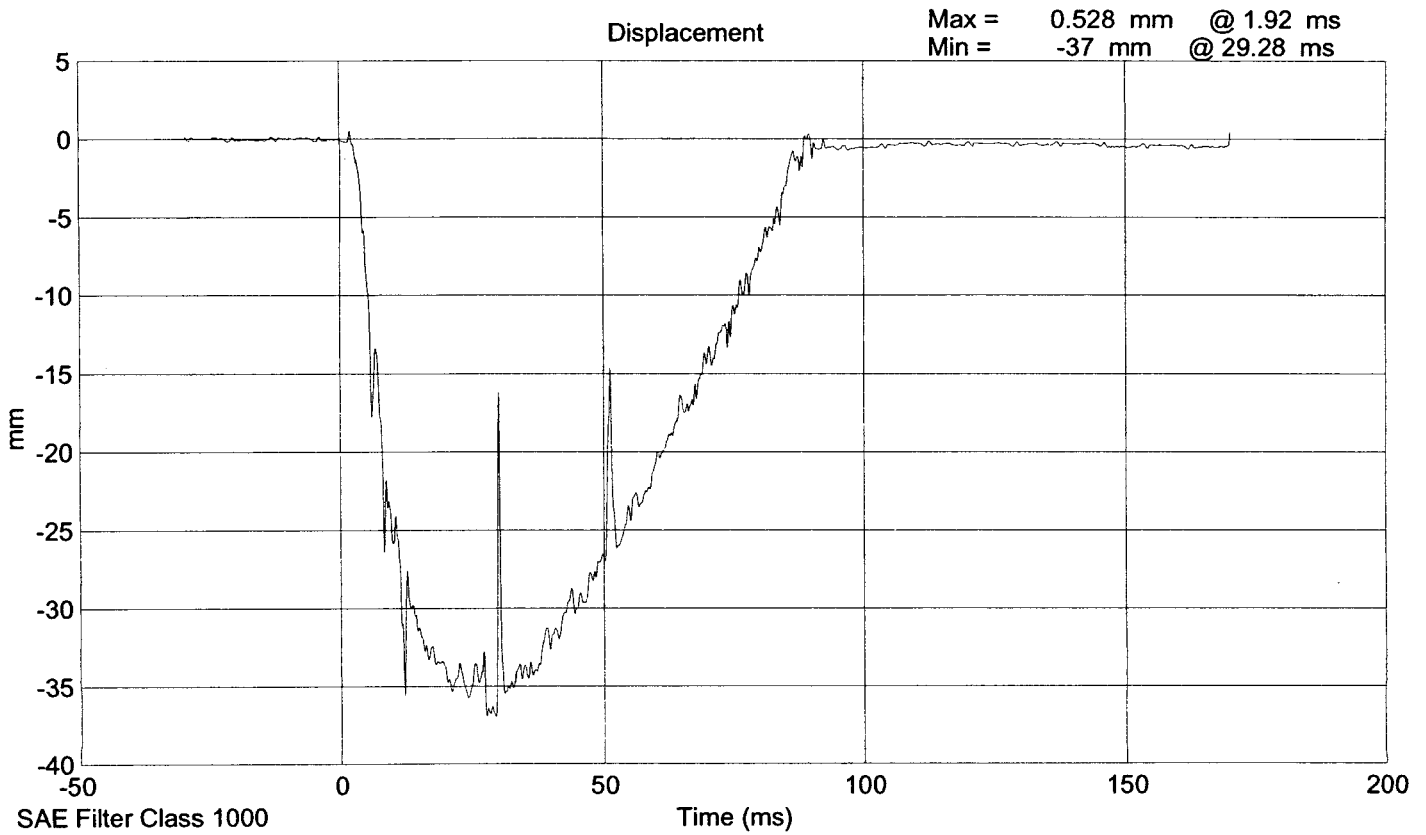
SID 015 Shock Absorber Impact Test @ 3.048 m/s



SID 015 Shock Absorber Impact Test @ 4.2672 m/s



SID 015 Shock Absorber Impact Test @ 6.096 m/s



**LATERAL THORAX IMPACT TEST
PRE-TEST**

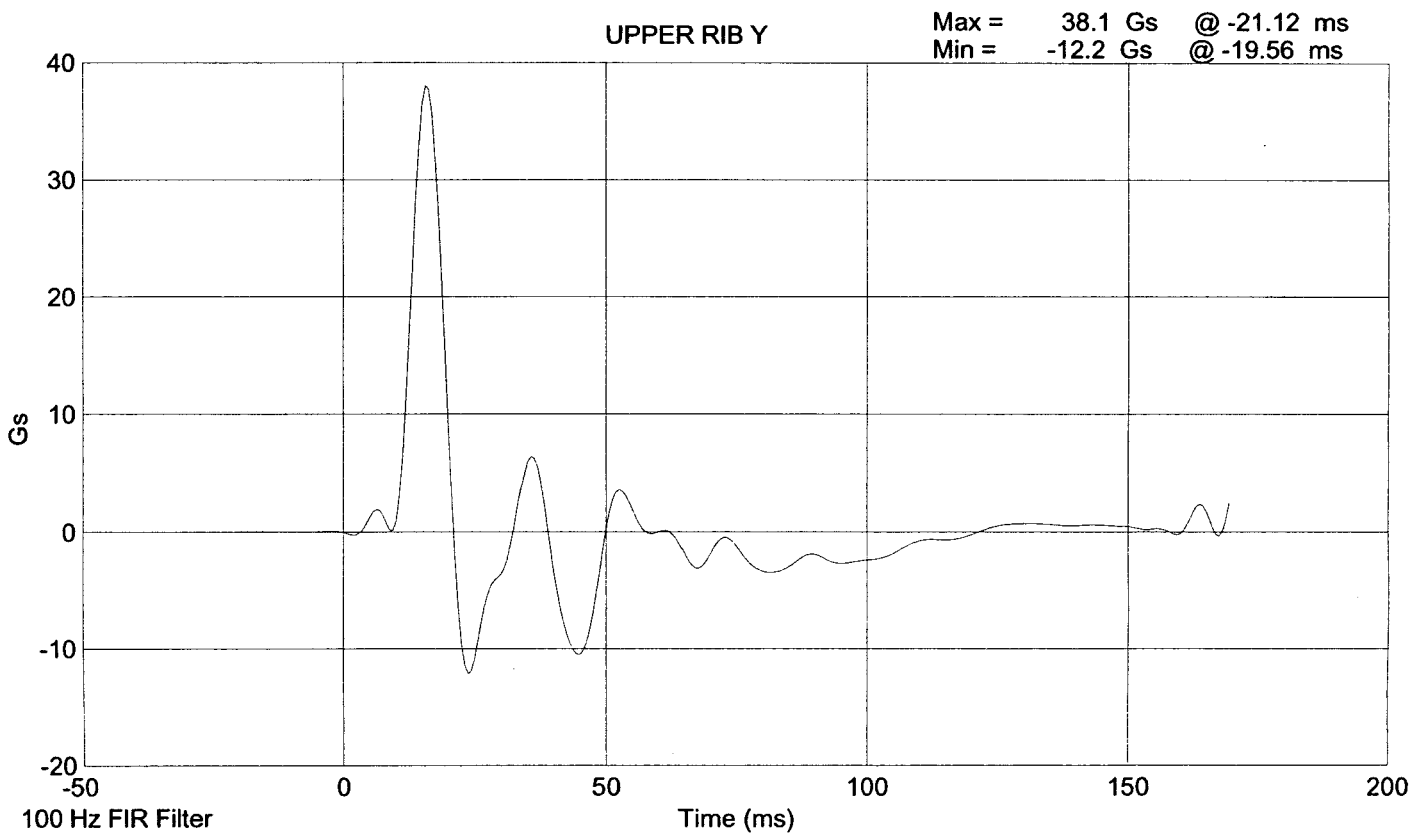
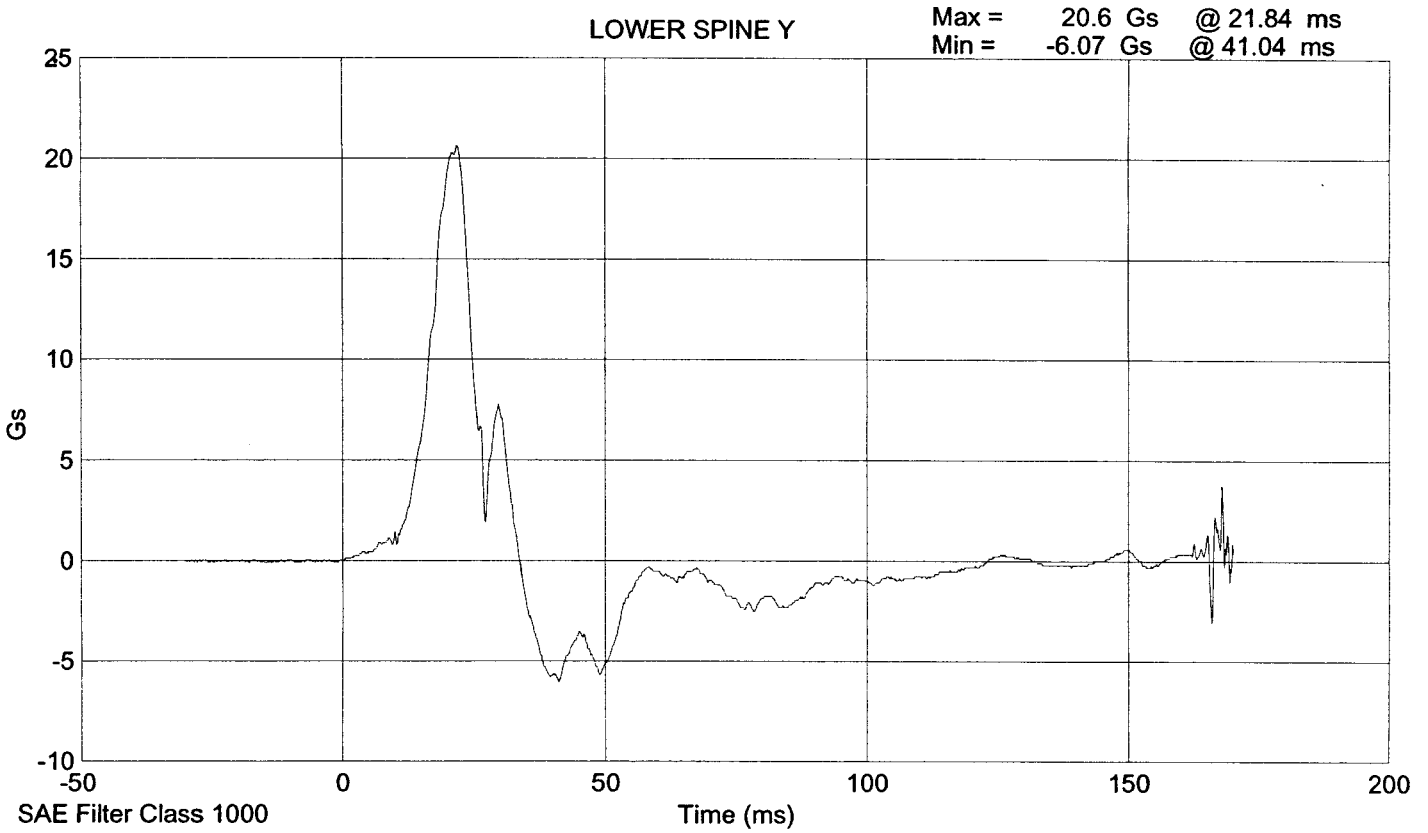
CONFIGURED FOR LEFT SIDE IMPACT

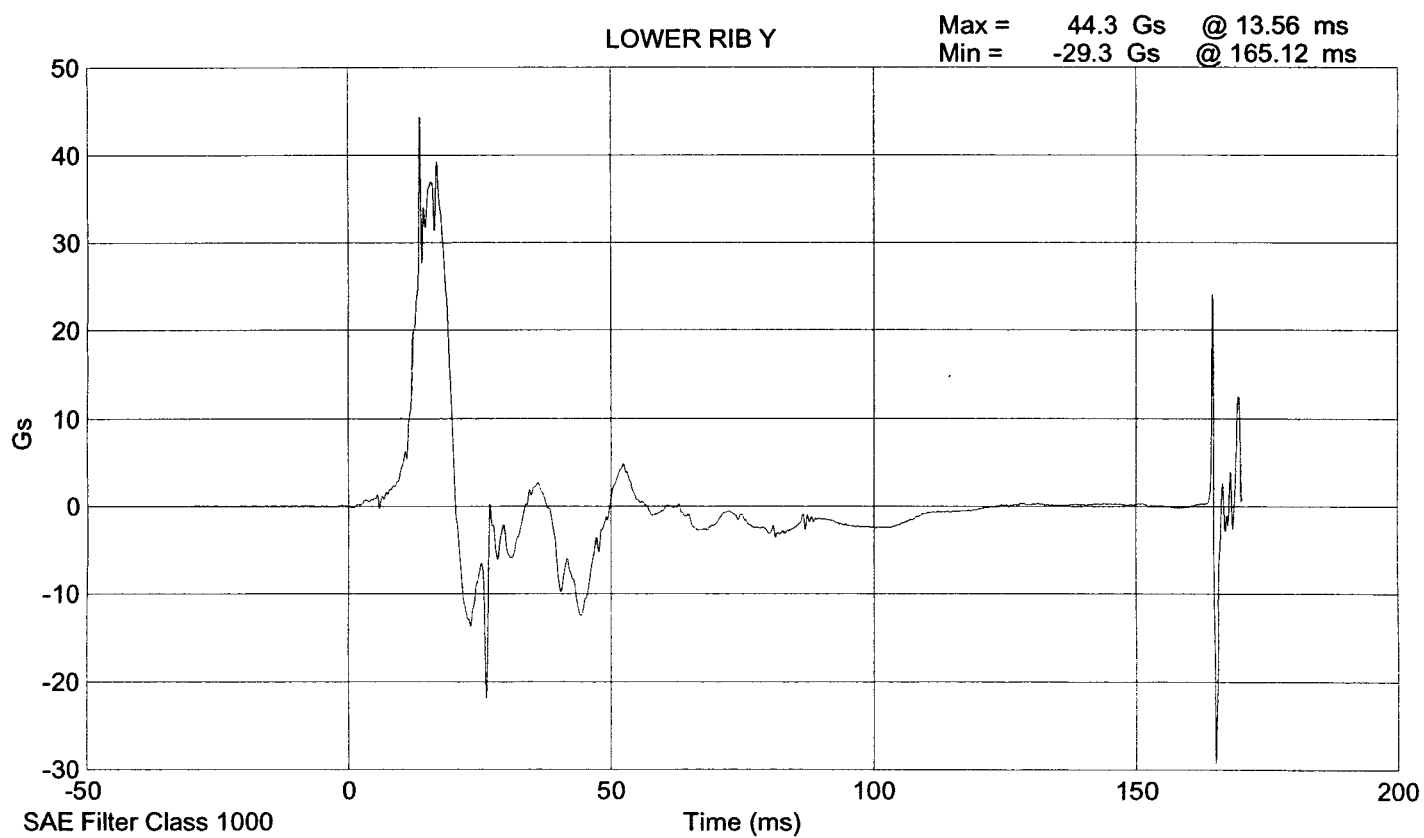
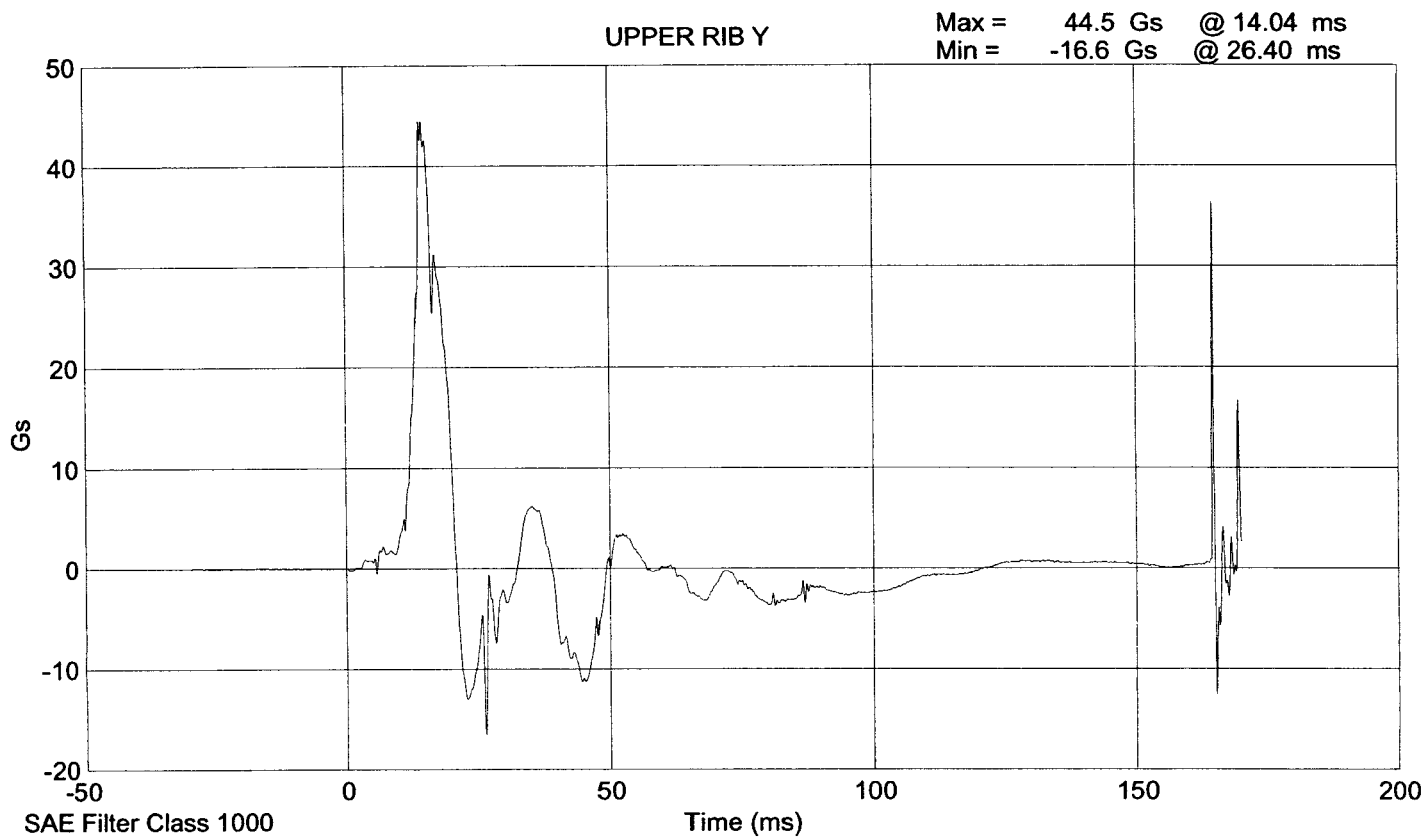
SID Serial No.: 015 Sequential Test Number: 4
Date: March 15, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)	10 - 70	30
PROBE SPEED (m/s)	4.27 - 4.33	4.31
UPPER RIB (g's)	37 - 46	38.1
LOWER RIB (g's)	37 - 46	38.2
LOWER SPINE (g's)	15 - 22	20.8

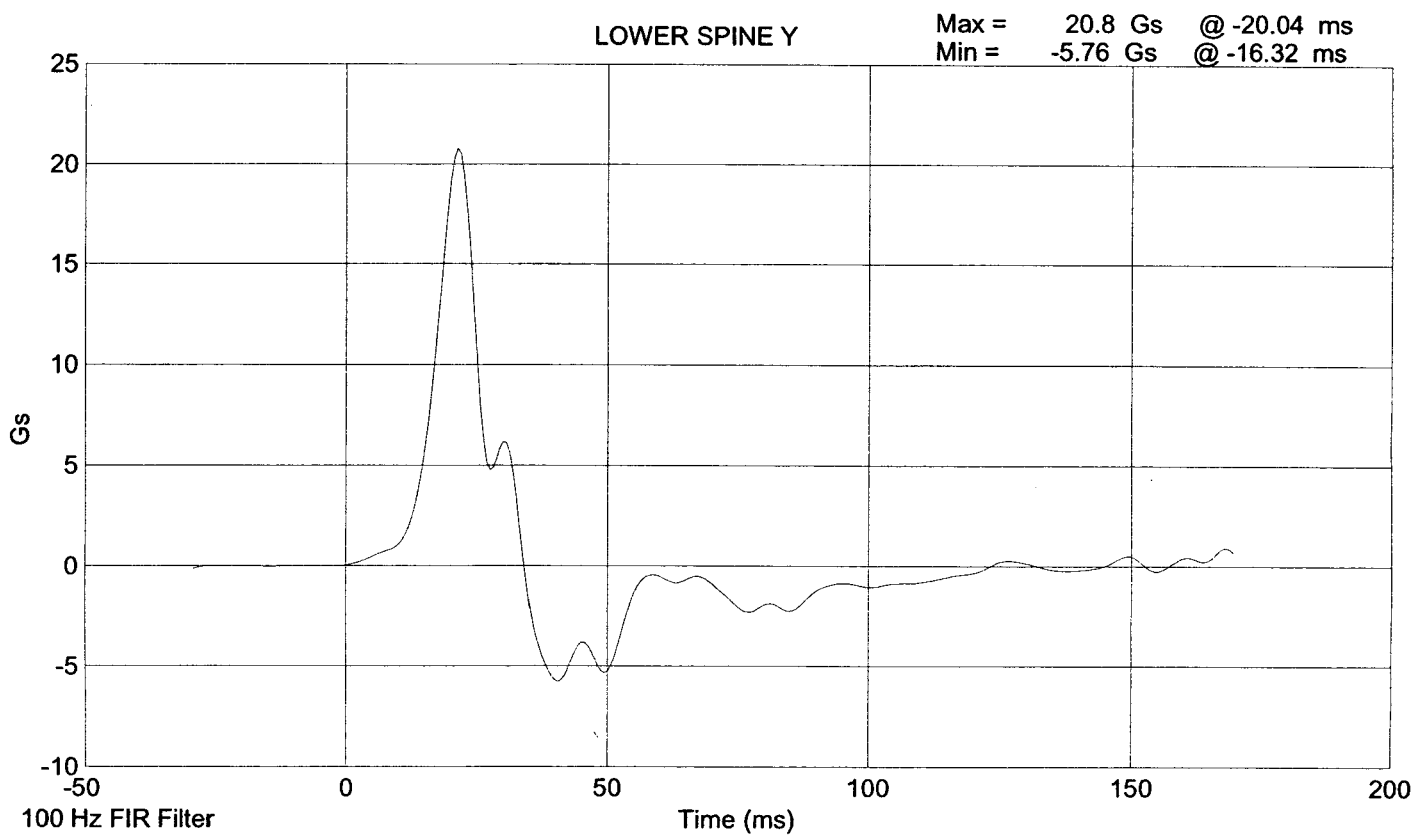
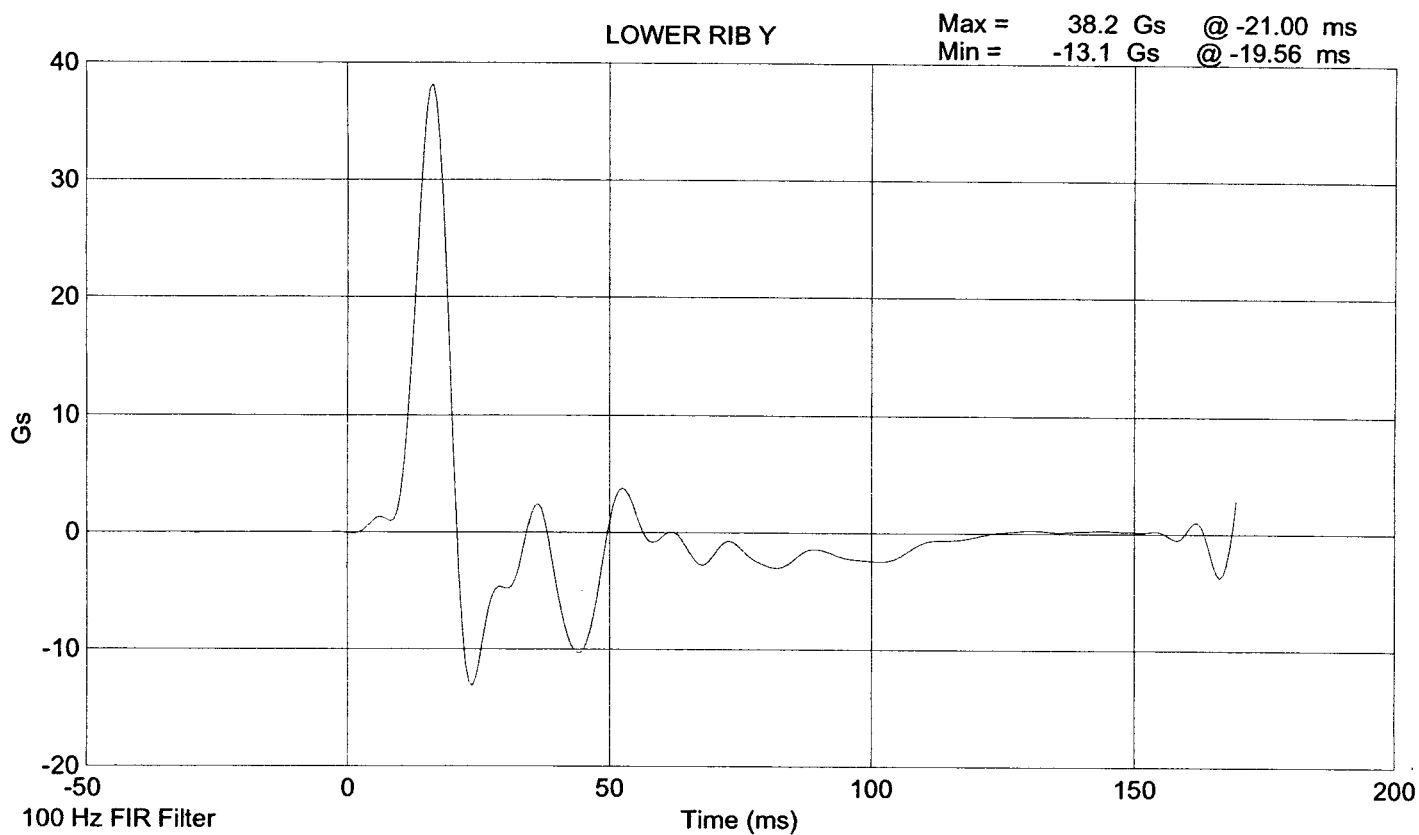
REMARKS: None

SID 015 Thorax Impact Test @ 4.3129 m/s





SID 015 Thorax Impact Test @ 4.3129 m/s



**LATERAL PELVIS IMPACT TEST
PRE-TEST**

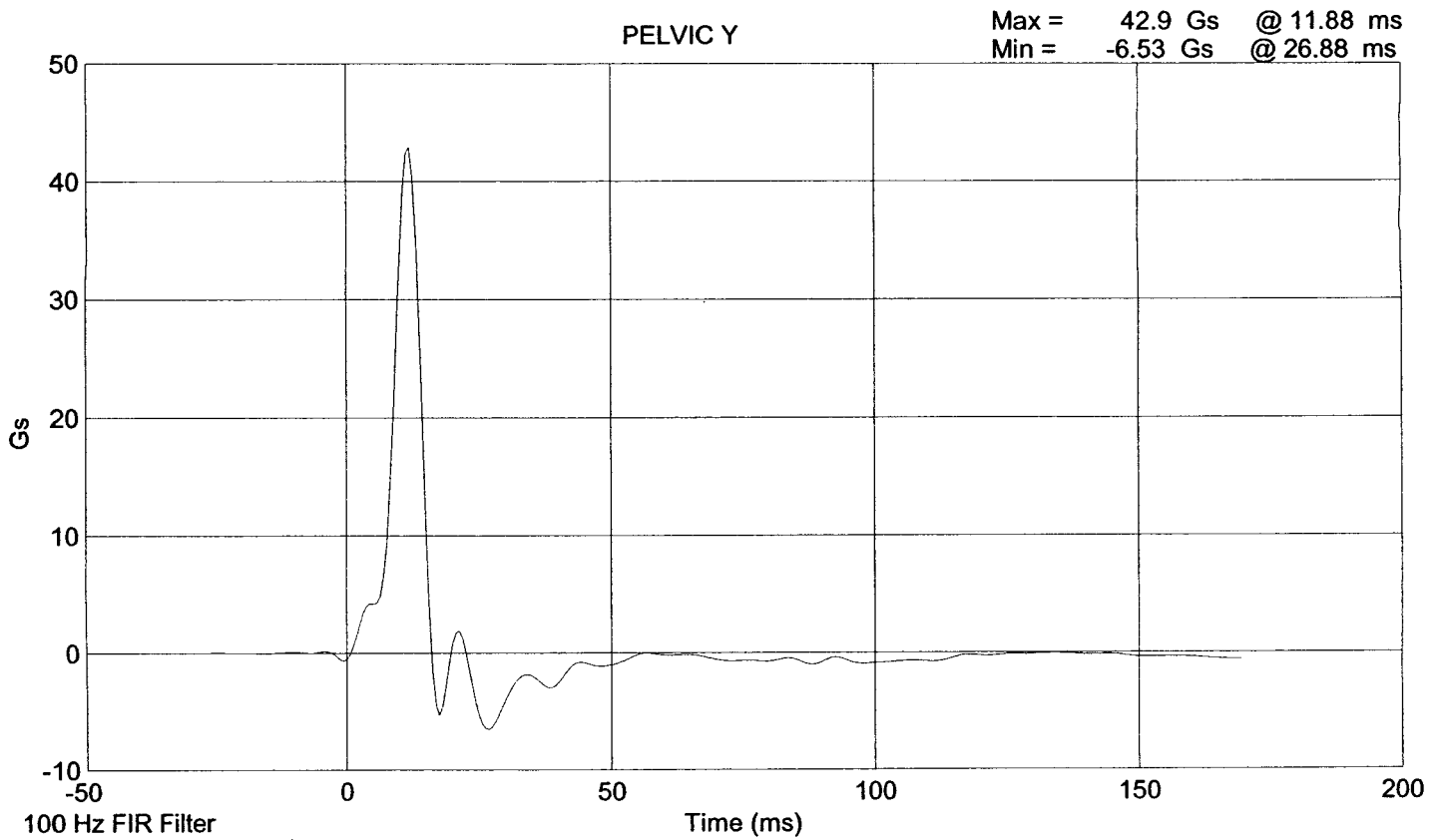
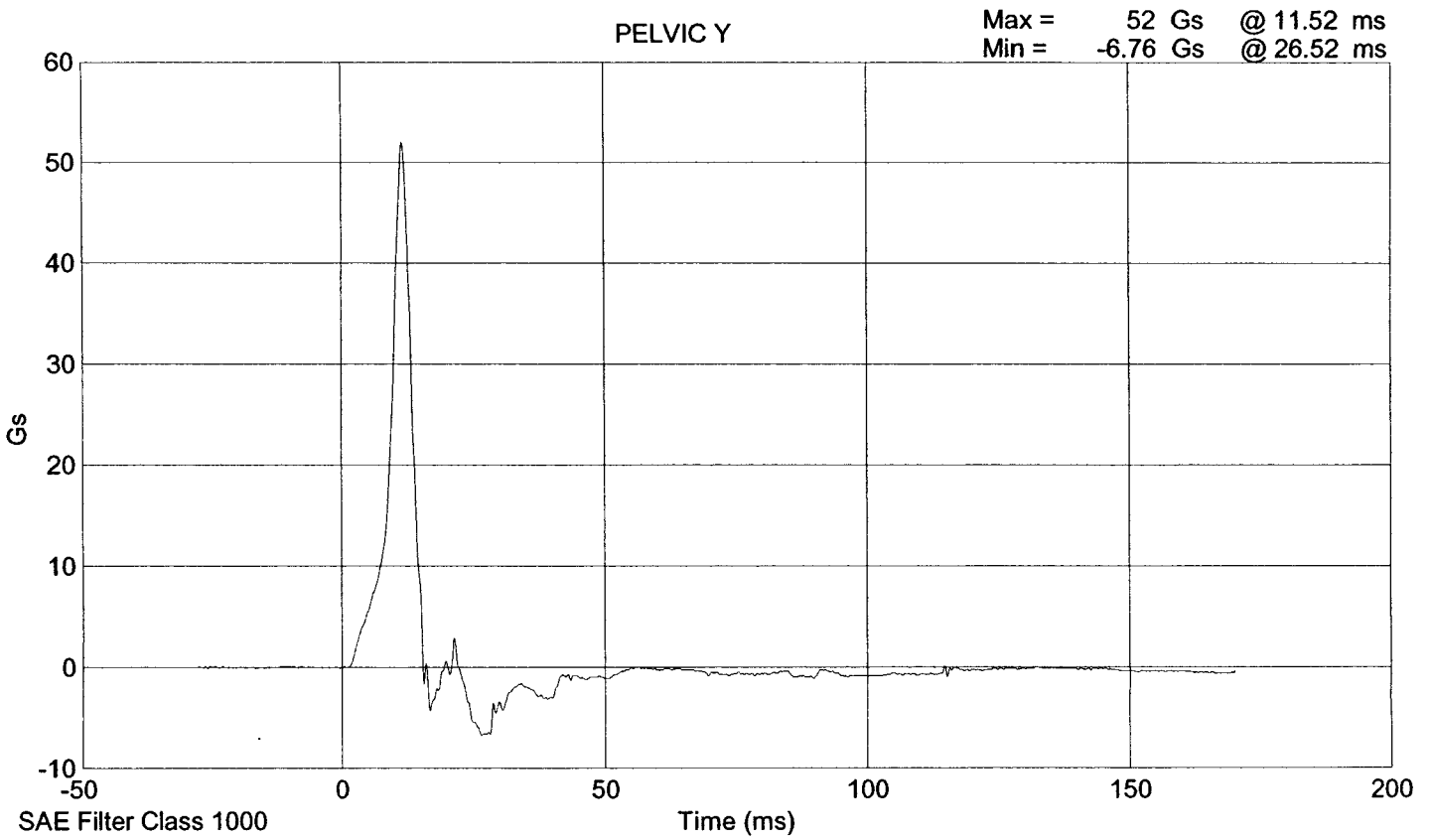
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 4
Date: March 16, 2001 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	42.90

REMARKS: None

SID 015 Pelvic Impact Test @ 4.2824 m/s



ABDOMINAL COMPRESSION TEST**PRE-TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACTSID Serial No.: 015

Sequential Test Number:

4Date: March 16, 2001

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	113
FORCE @ 19 mm (N)	163 - 221	179
FORCE @ 25 mm (N)	222 - 280	255
FORCE @ 33 mm (N)	325 - 391	373

REMARKS: None

Dummy S/N 015

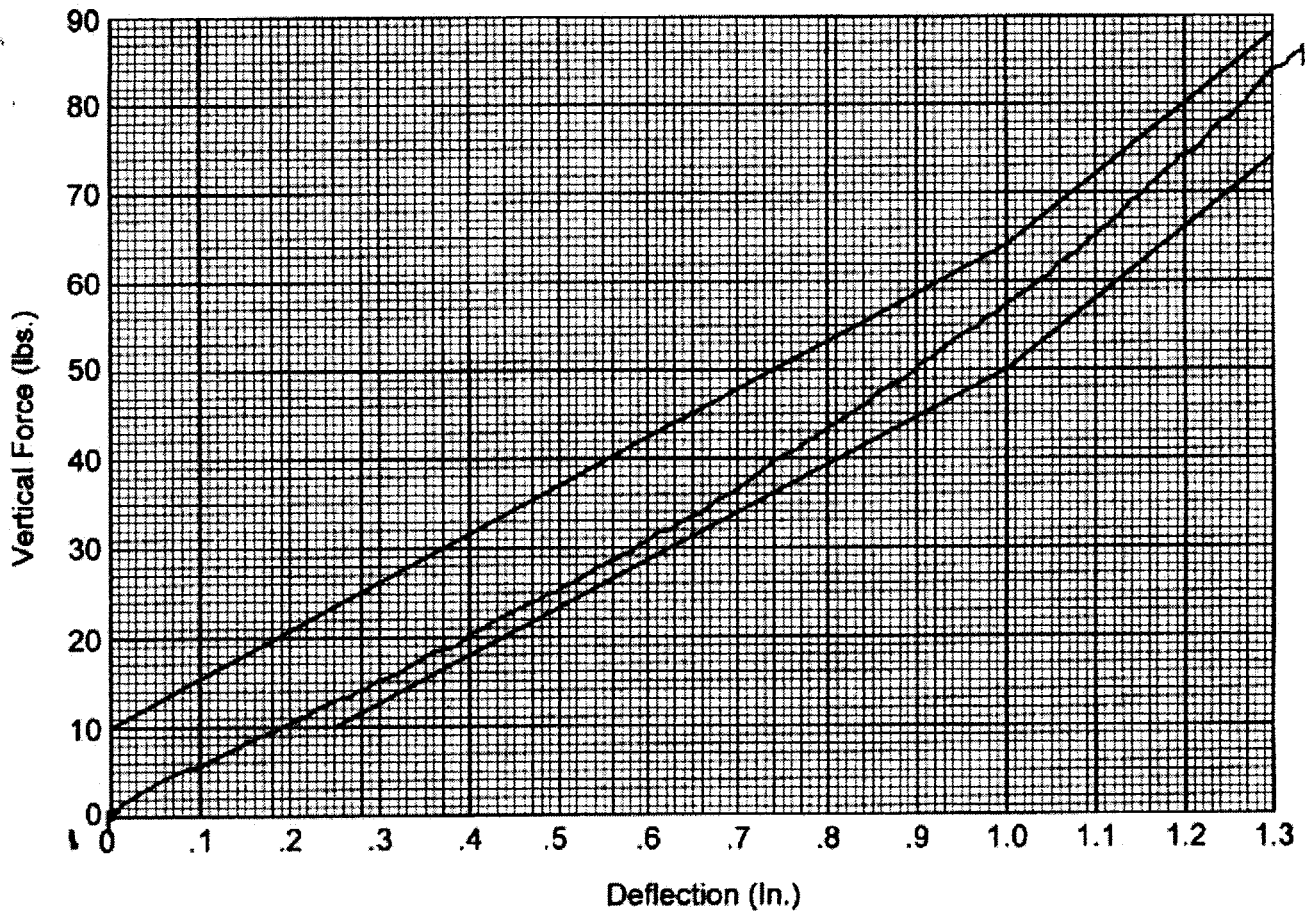
W/A _____

Date 3-16-2001

Performed By ES

Temp. 71°

Humidity 31%



Hybrid II
Abdomen Static Press

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

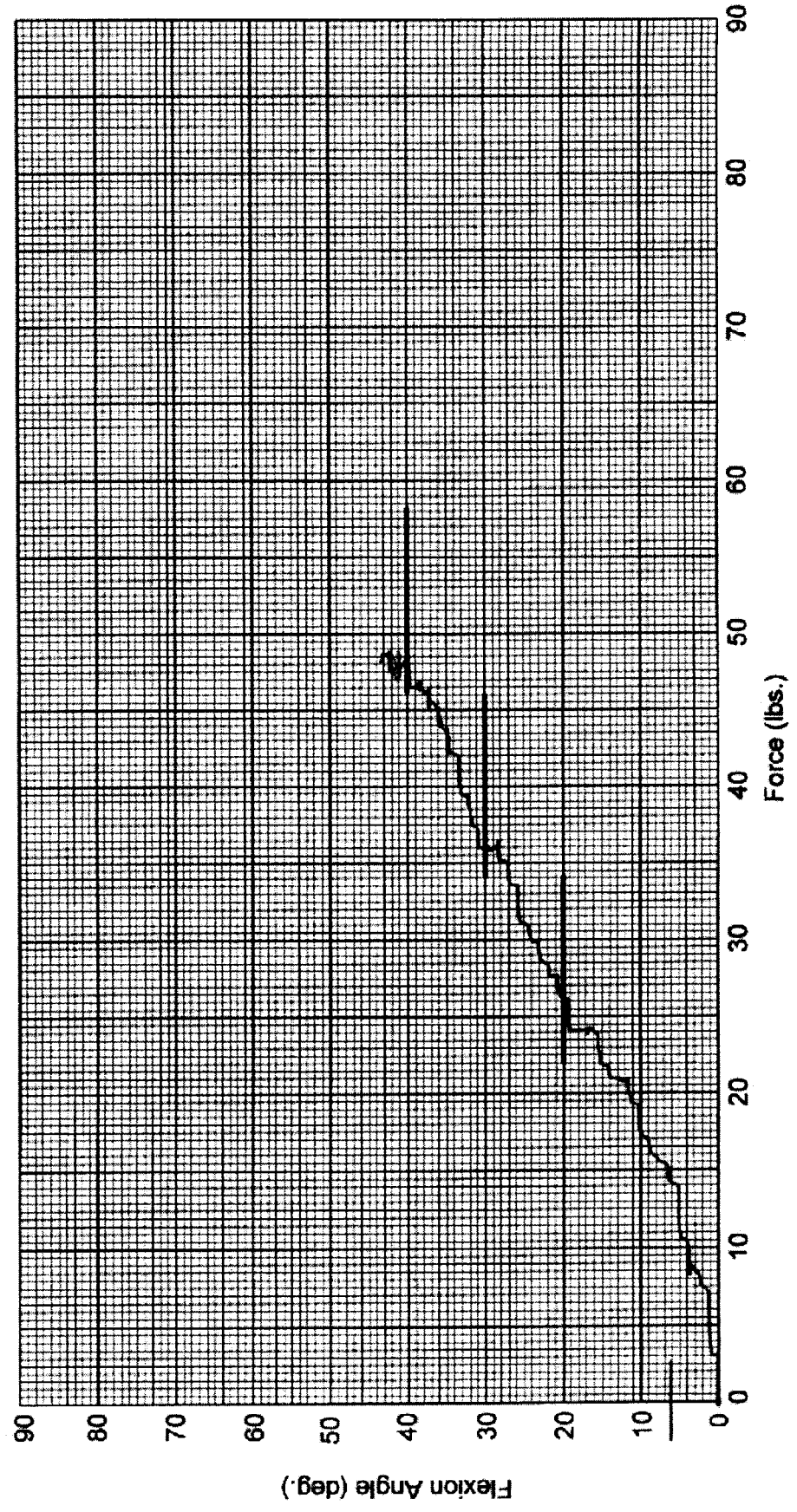
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 4
Date: March 16, 2001 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	0.0
FORCE @ 20° (N)	97.8 - 151.2	116.5
FORCE @ 30° (N)	151.2 - 204.6	160.1
FORCE @ 40° (N)	204.6 - 258	215.3
RETURN ANGLE	12° max.	6.2°

REMARKS: None

Dummy S/N 015
 W/A _____
 Date 3-16-2001
 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.: 015 Sequential Test Number: 4
 Date: March 16, 2001 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
PRE-TEST**

SID NO.: 026

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026 Sequential Test Number: 3
Date: April 3, 2001 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.: 026 Sequential Test Number: 3
Date: April 3, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	902
RH- Rib Height (mm)	502 - 520	518
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	518
KV- Knee Pivot to Floor (mm)	490 - 505	493
HW- Hip Width (mm)	356 - 391	371

REMARKS: None

**THORACIC SHOCK ABSORBER TESTS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026 Sequential Test Number: 3
Date: January 16, 2001 Laboratory Technician: B. Swiecicki

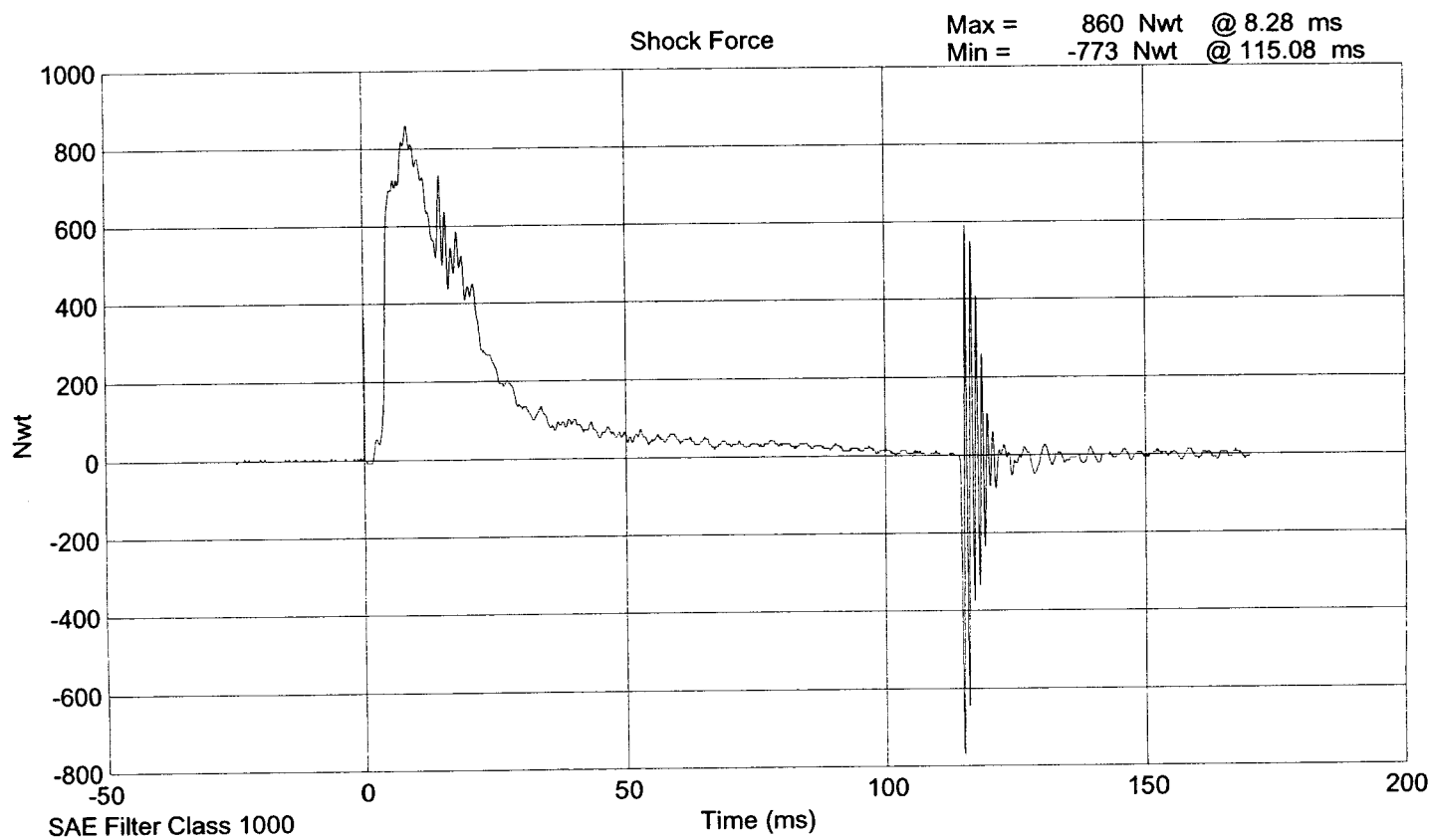
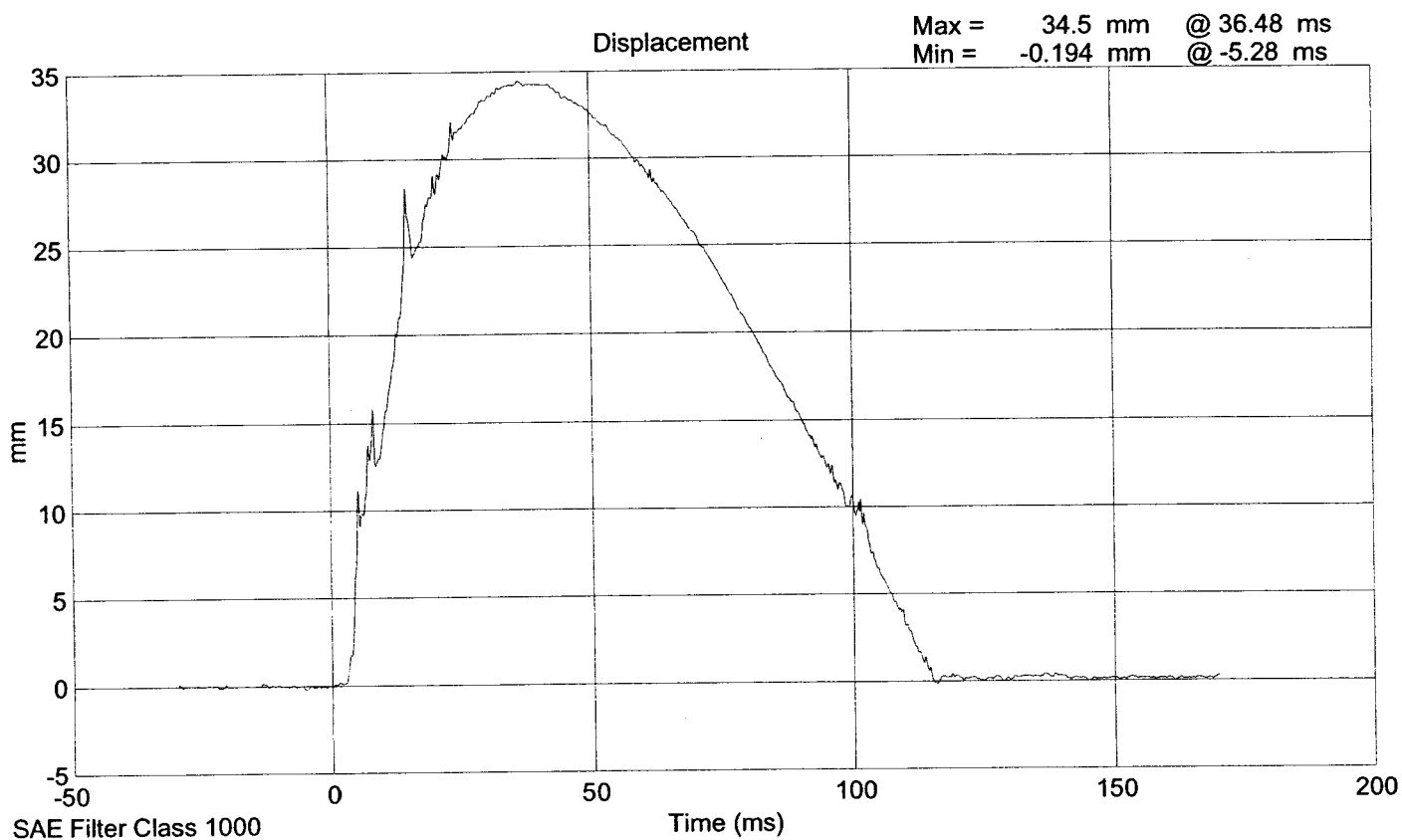
DAMPER IDENTIFICATION: 026

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	859.7
	DISPLACEMENT (mm)	30 - 35	34.5
VELOCITY 4.27 m/s	FORCE (N)	1730 - 2099	1845.0
	DISPLACEMENT (mm)	32 - 37	35.8
VELOCITY 6.10 m/s	FORCE (N)	3741 - 4448	3917.8
	DISPLACEMENT (mm)	33 - 40	37.7

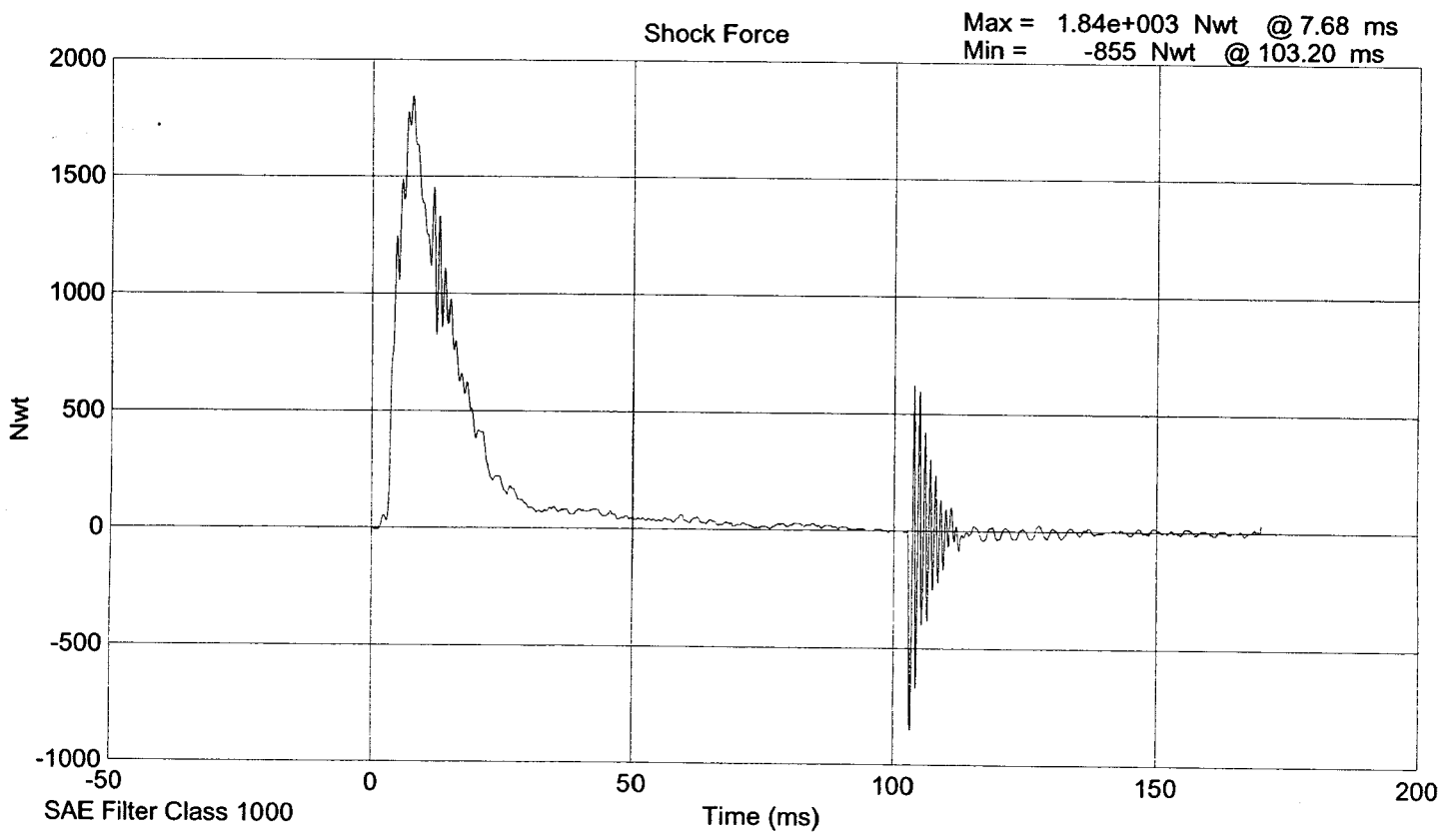
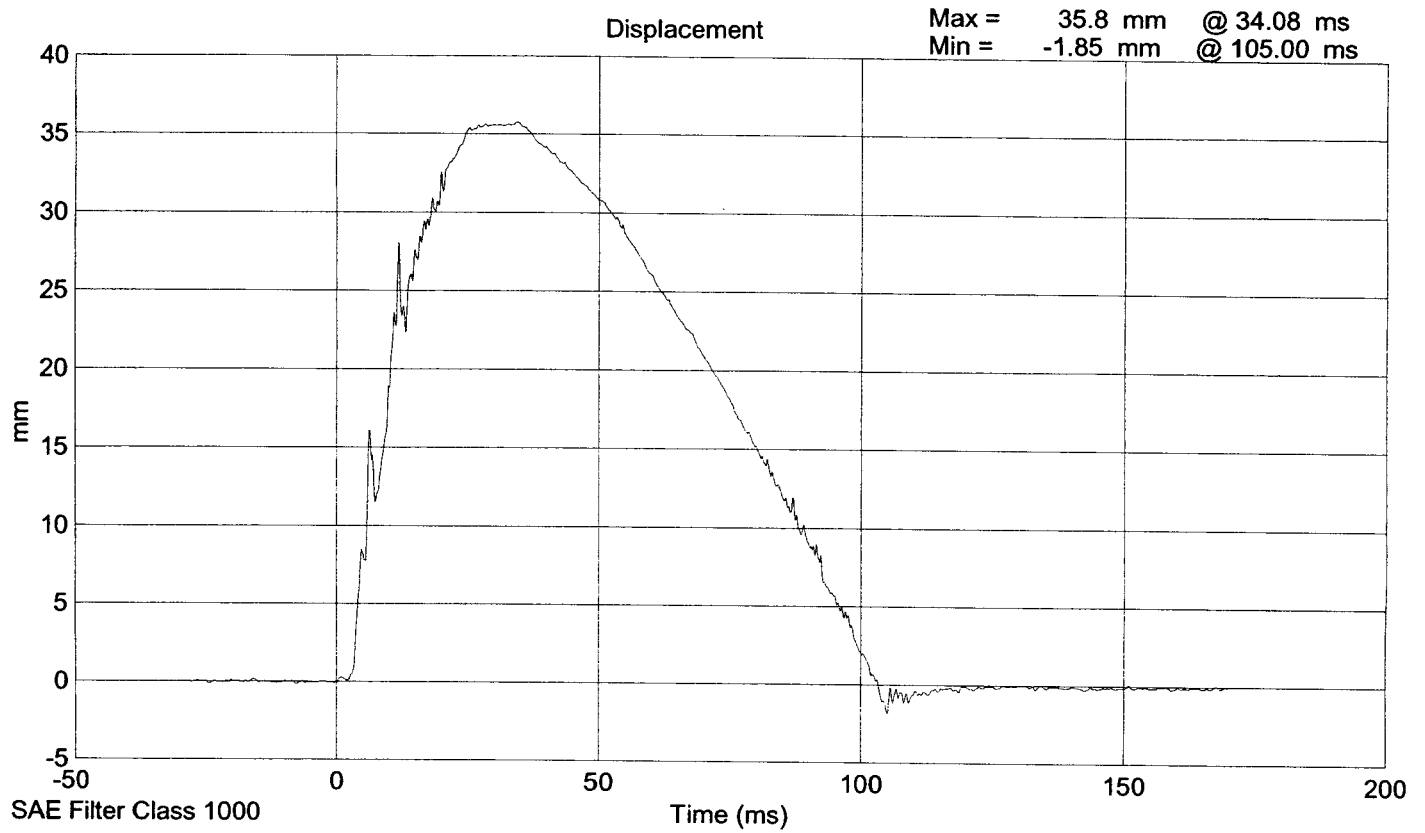
DAMPER SETTING: 5

REMARKS: None

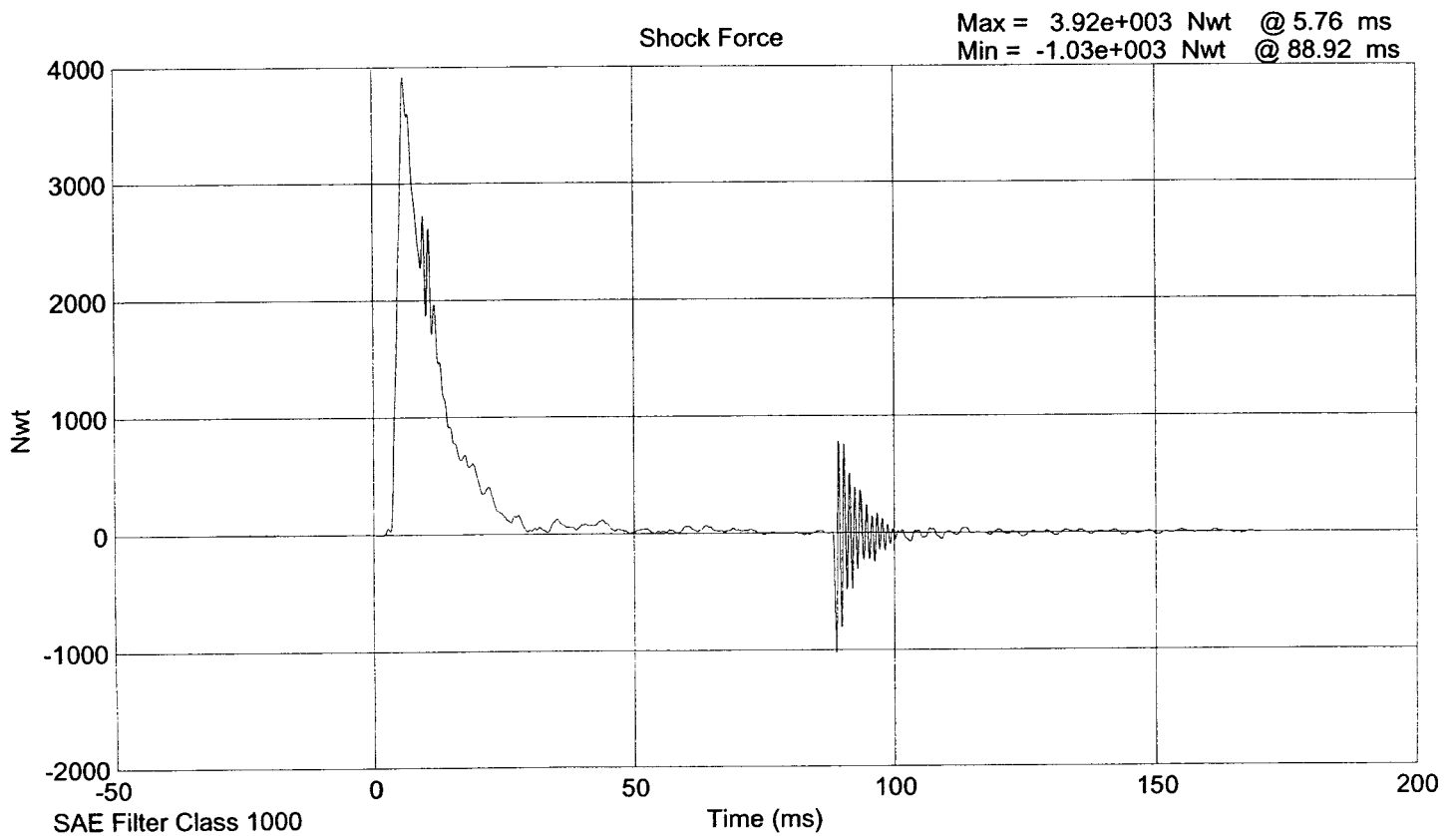
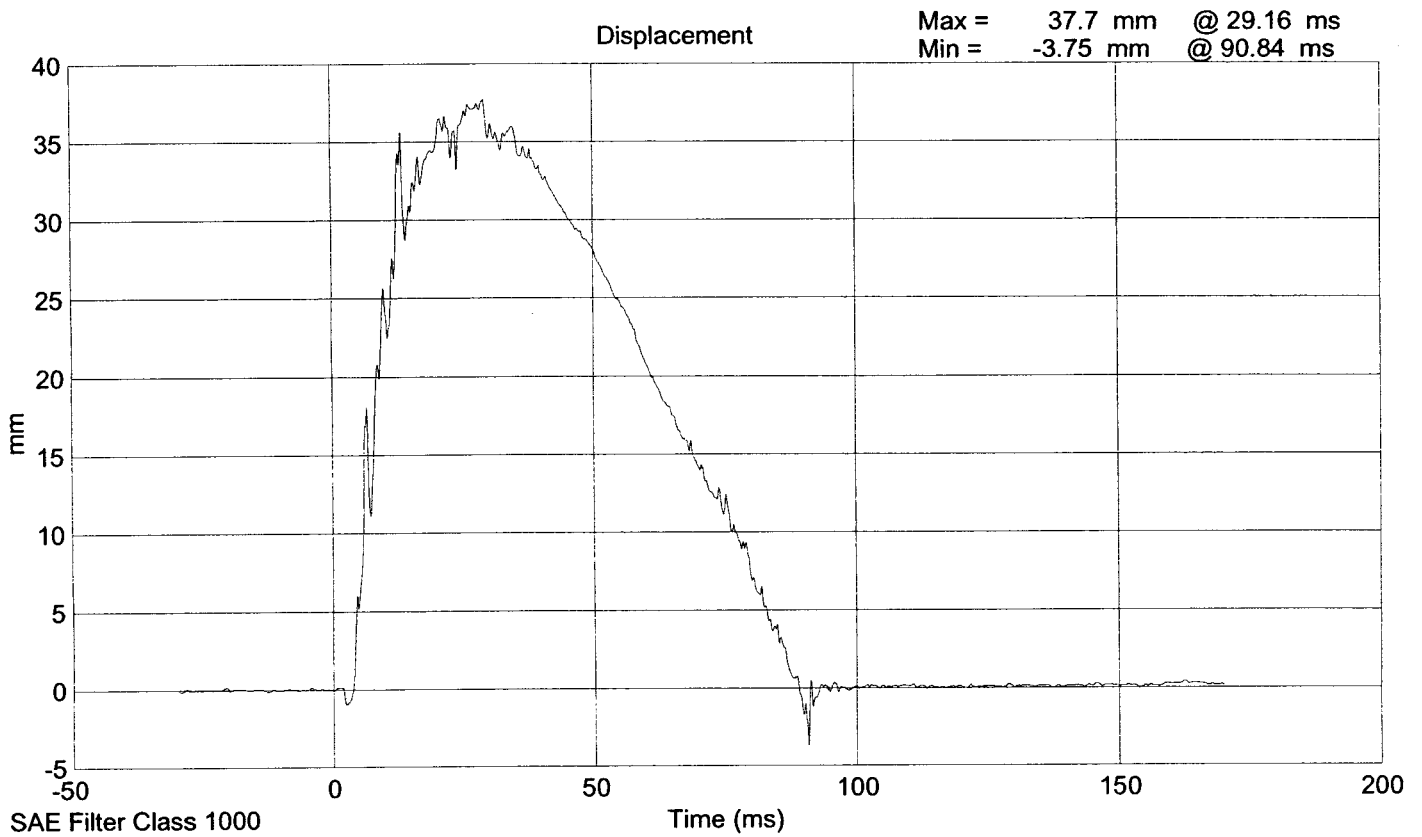
sid 026 shock absorber impact test @ 3.048 m/s



sid 026 shock absorber impact test @ 4.2672 m/s



sid 026 shock absorber impact test @ 6.096 m/s



**LATERAL THORAX IMPACT TEST
PRE-TEST**

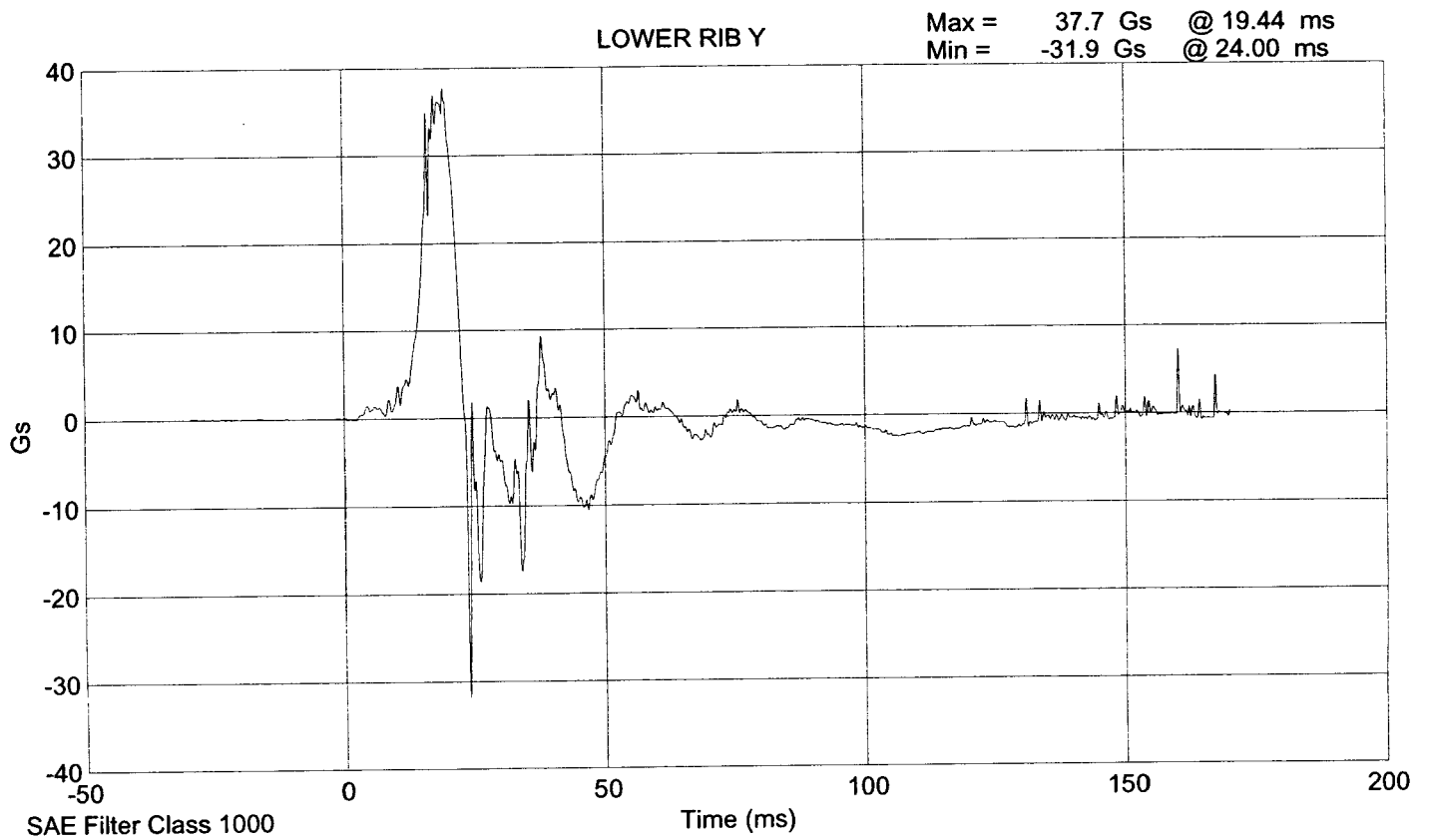
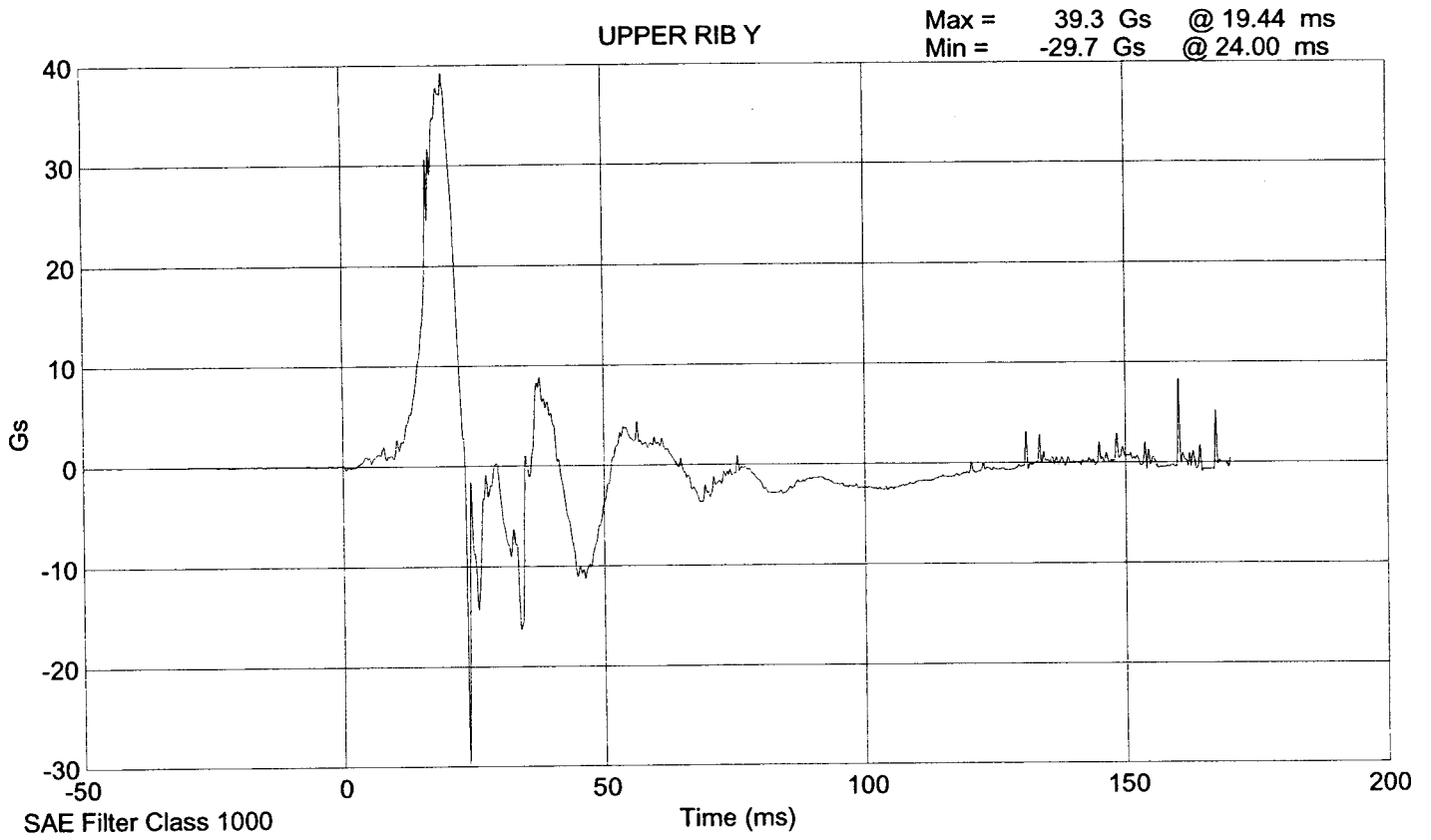
CONFIGURED FOR LEFT SIDE IMPACT

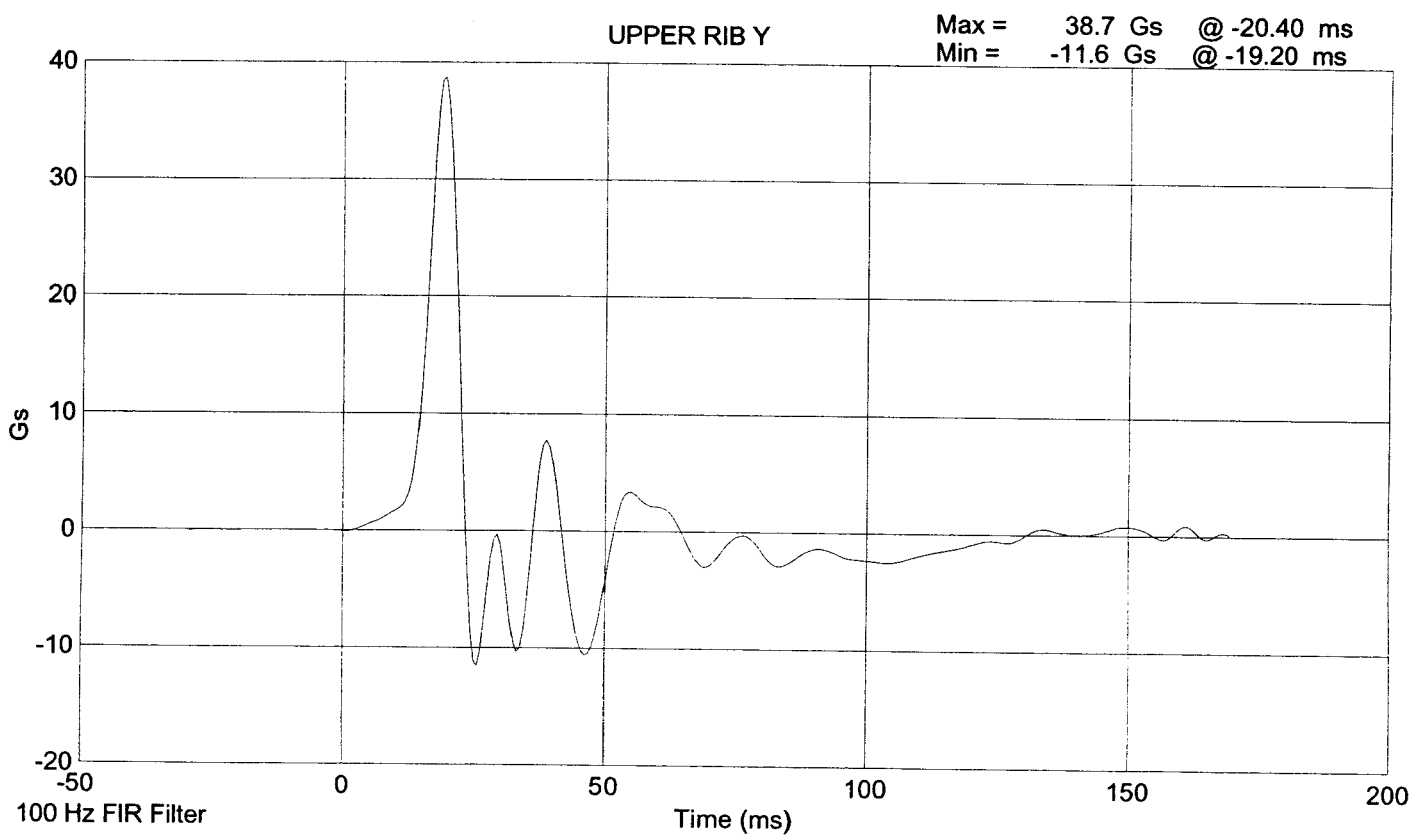
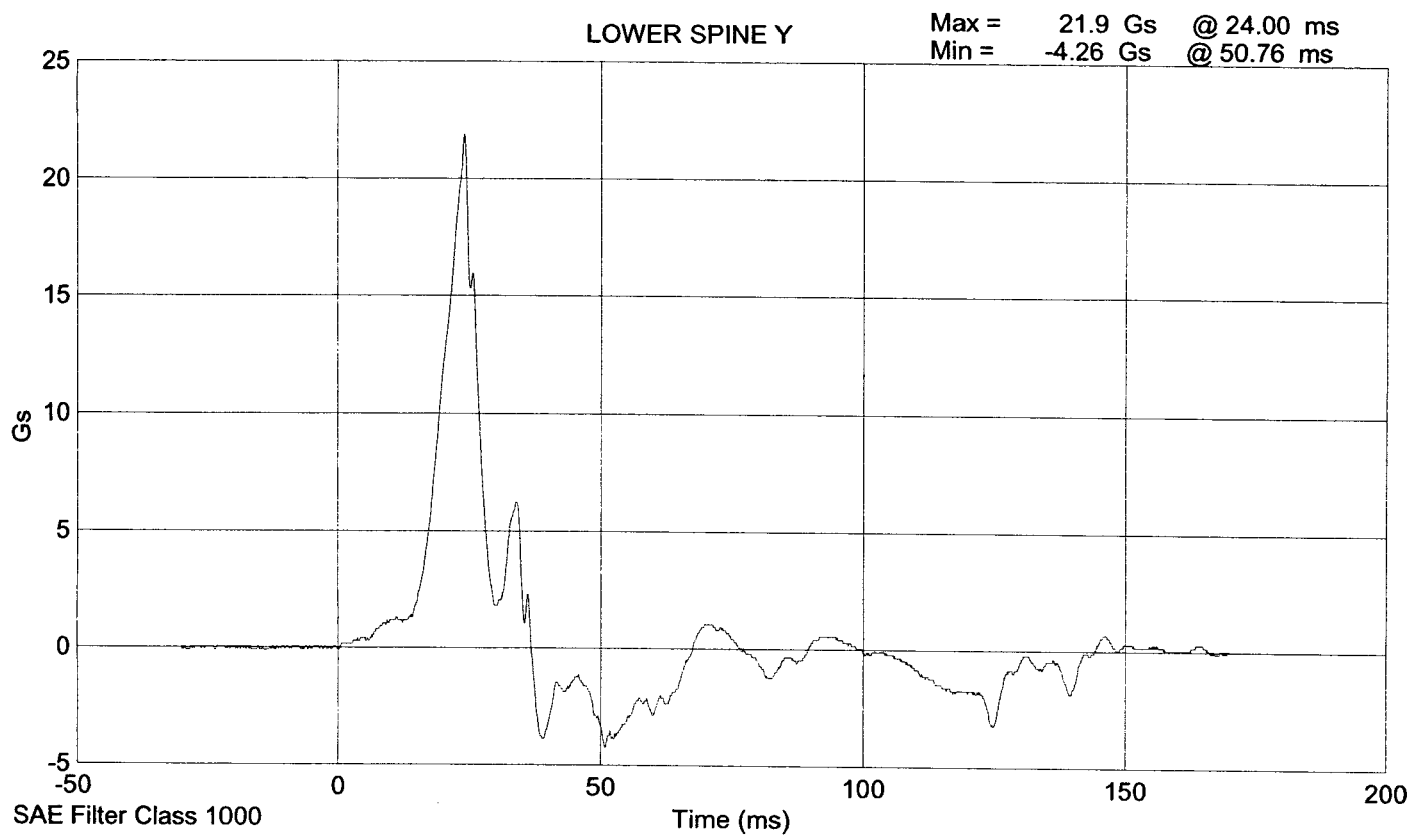
SID Serial No.: 026 Sequential Test Number: 3
Date: April 3, 2001 Laboratory Technician: B. Swiecicki

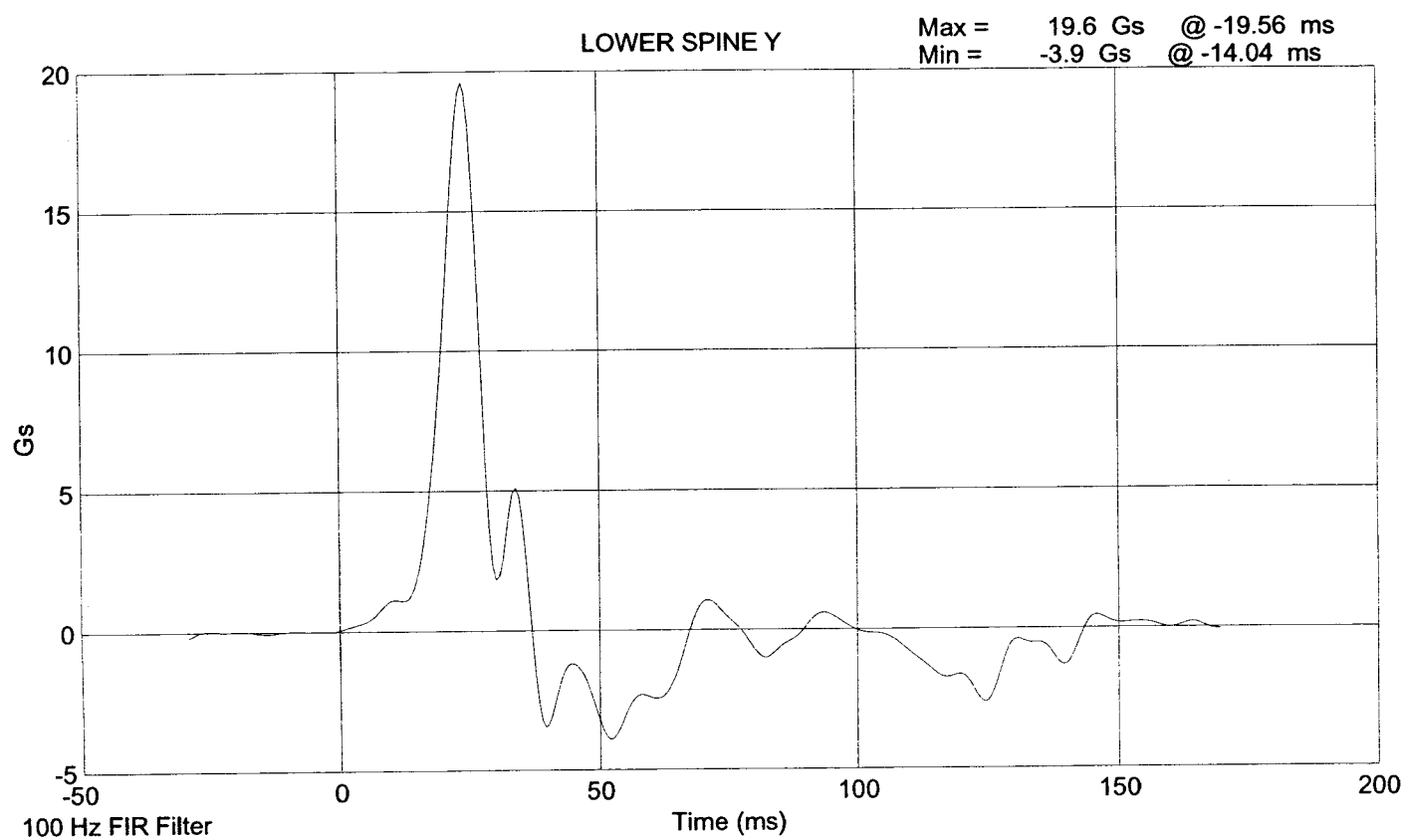
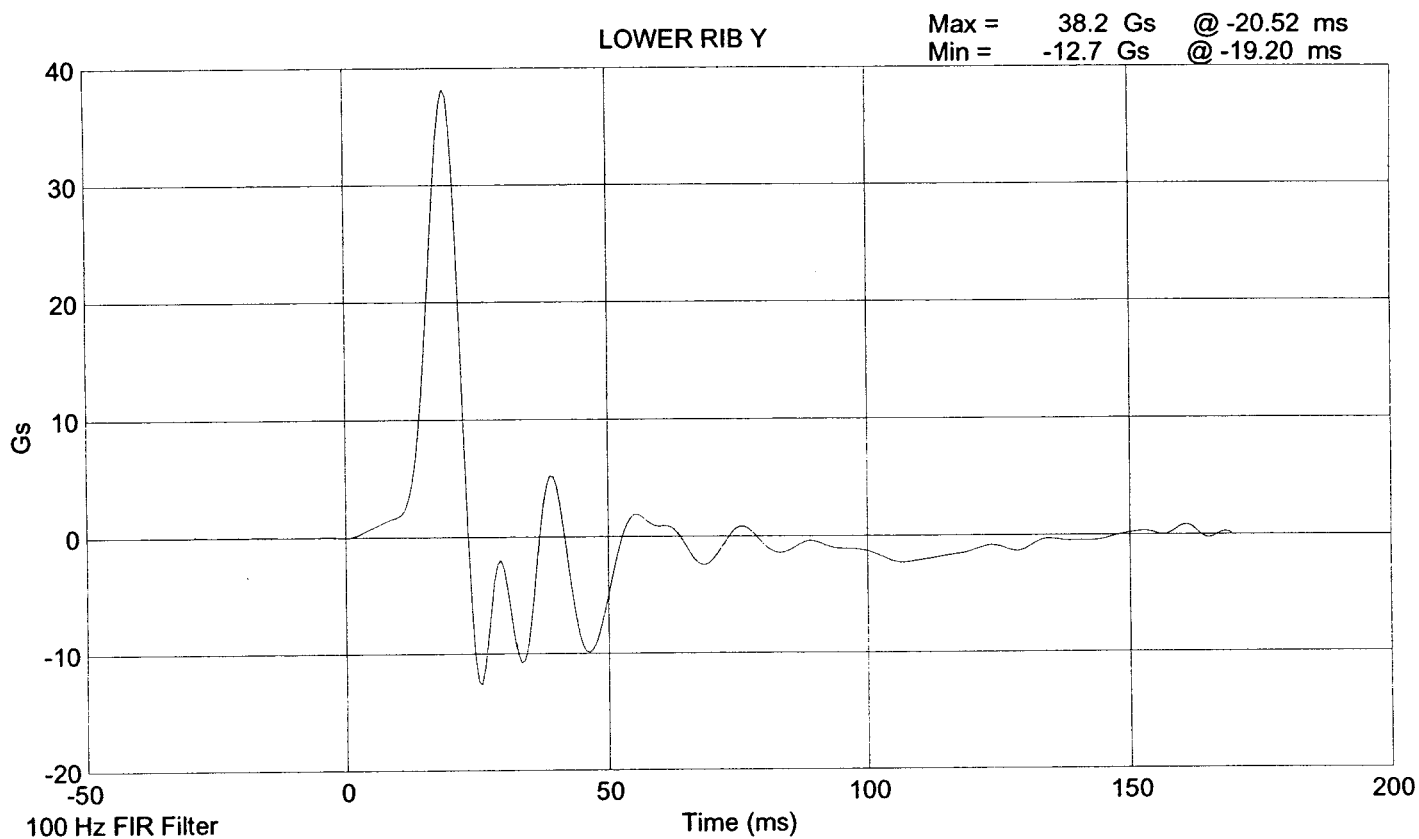
TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31
PROBE SPEED (m/s)	4.27 - 4.33	4.27
UPPER RIB (g's)	37 - 46	38.7
LOWER RIB (g's)	37 - 46	38.2
LOWER SPINE (g's)	15 - 22	19.6

REMARKS: None

SID 026 Thorax Impact Test @ 4.2702 m/s







**LATERAL PELVIS IMPACT TEST
PRE-TEST**

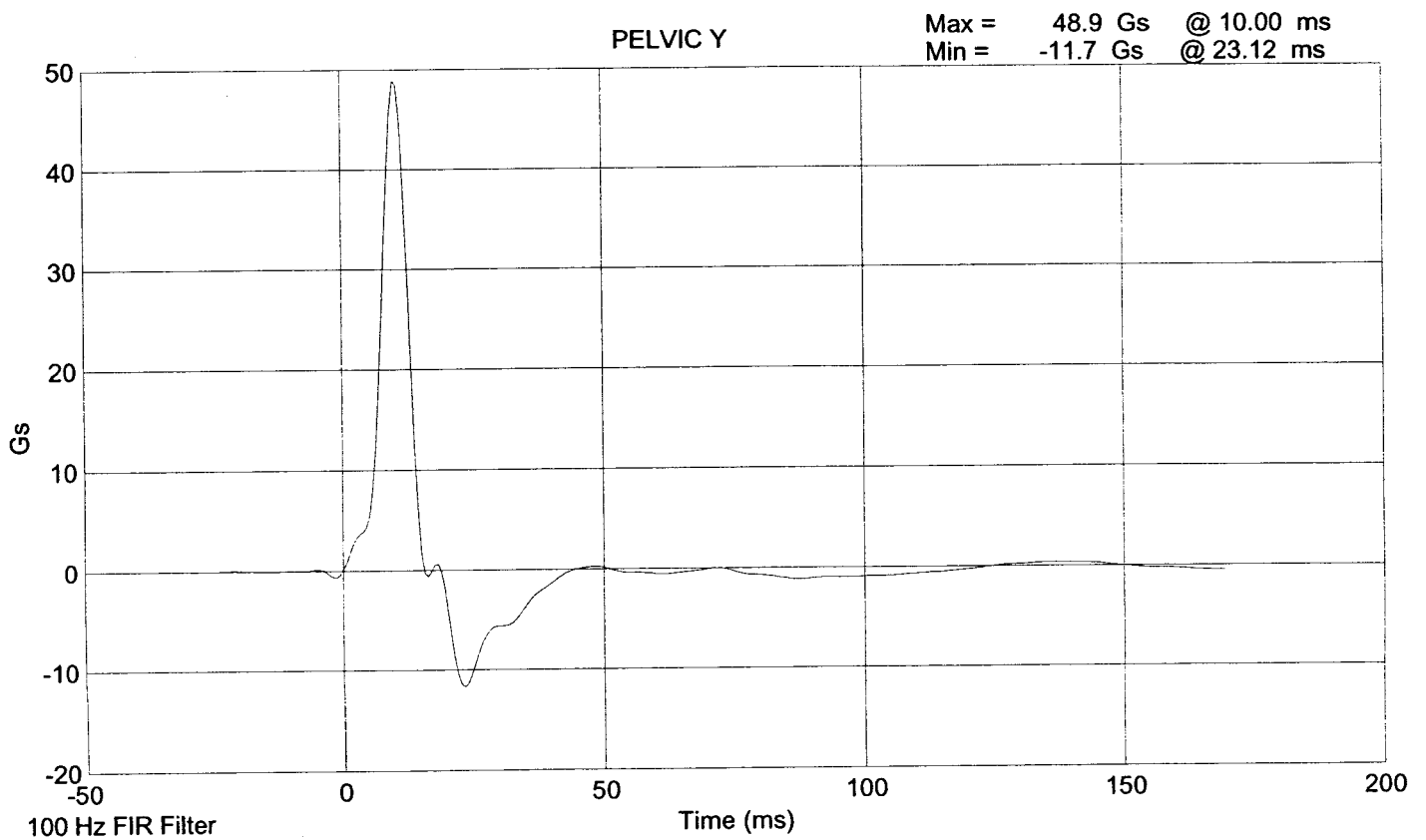
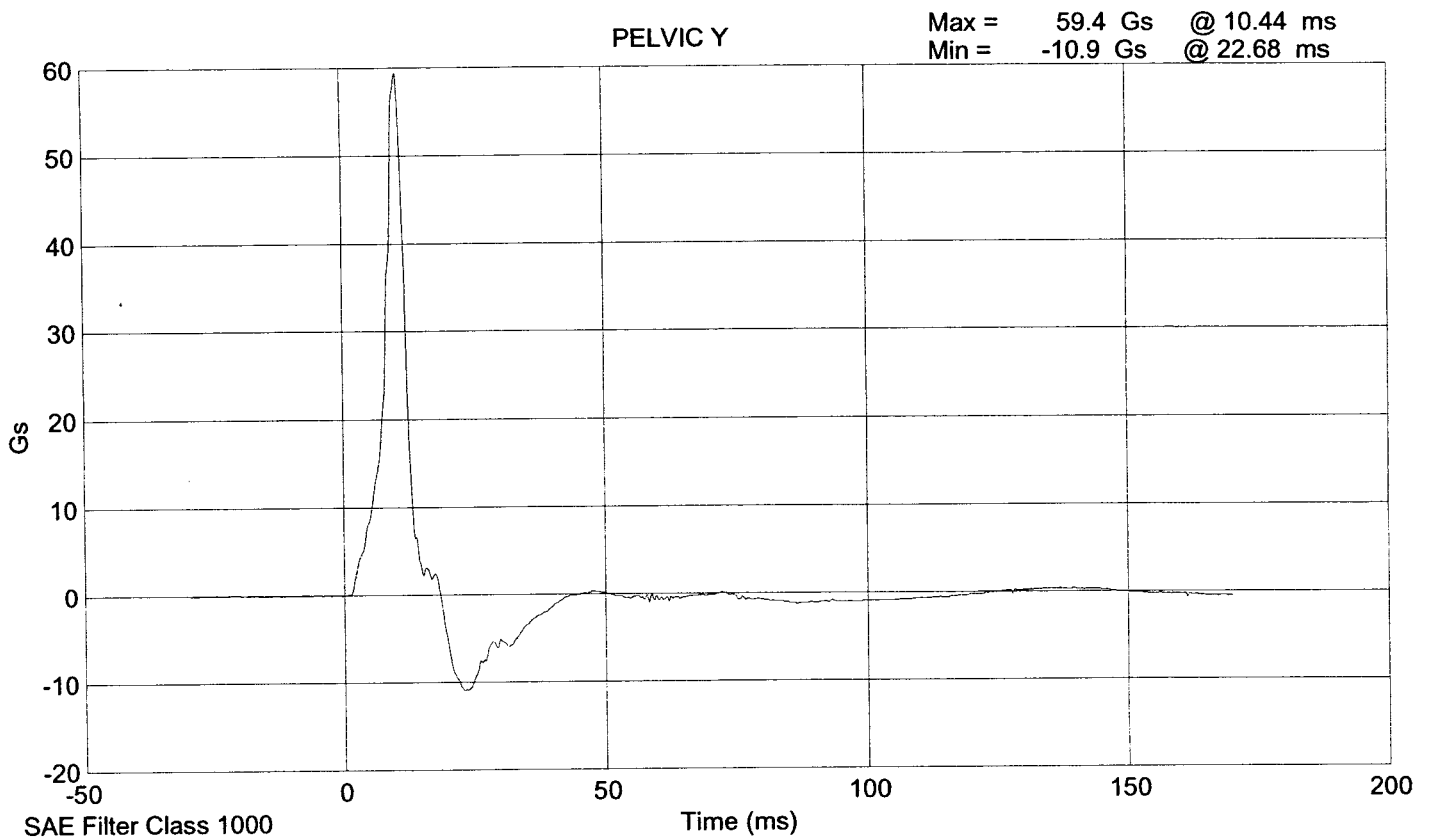
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026 Sequential Test Number: 3
Date: April 3, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31
PROBE SPEED (m/s)	4.27 - 4.33	4.32
PELVIS ACCELERATION (g's)	40 - 60	48.9

REMARKS: None

SID 026 Pelvic Impact Test @ 4.316 m/s



ABDOMINAL COMPRESSION TEST**PRE-TEST**

(Test not required for SID certification)

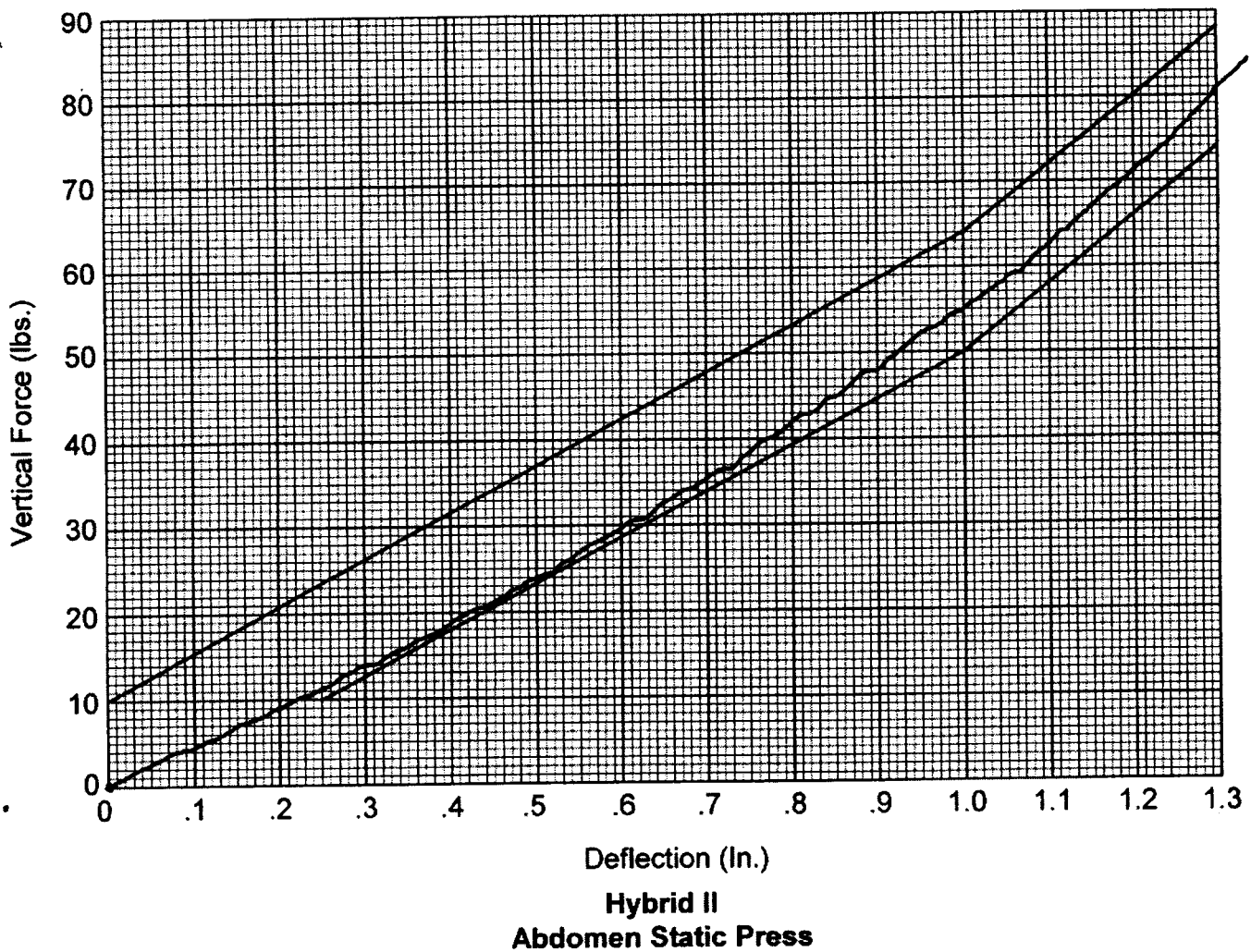
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026 Sequential Test Number: 3
Date: April 3, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31.0
FORCE @ 13 mm (N)	104 - 162	110.8
FORCE @ 19 mm (N)	163 - 221	170.3
FORCE @ 25 mm (N)	222 - 280	244.2
FORCE @ 33 mm (N)	325 - 391	359.9

REMARKS: None

Dummy S/N 026
W/A _____
Date 4-3-2001
Performed By [Signature]
Temp. 70°
Humidity 31%



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

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026 Sequential Test Number: 3
Date: April 3, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31.0
FORCE @ 0° (N)	0 - 26.7	0.0
FORCE @ 20° (N)	97.8 - 151.2	113.9
FORCE @ 30° (N)	151.2 - 204.6	165.9
FORCE @ 40° (N)	204.6 - 258	223.7
RETURN ANGLE	12° max.	6.2°

REMARKS: None

Dummy S/N

026

W/A

Date

4-3-2001

Performed By

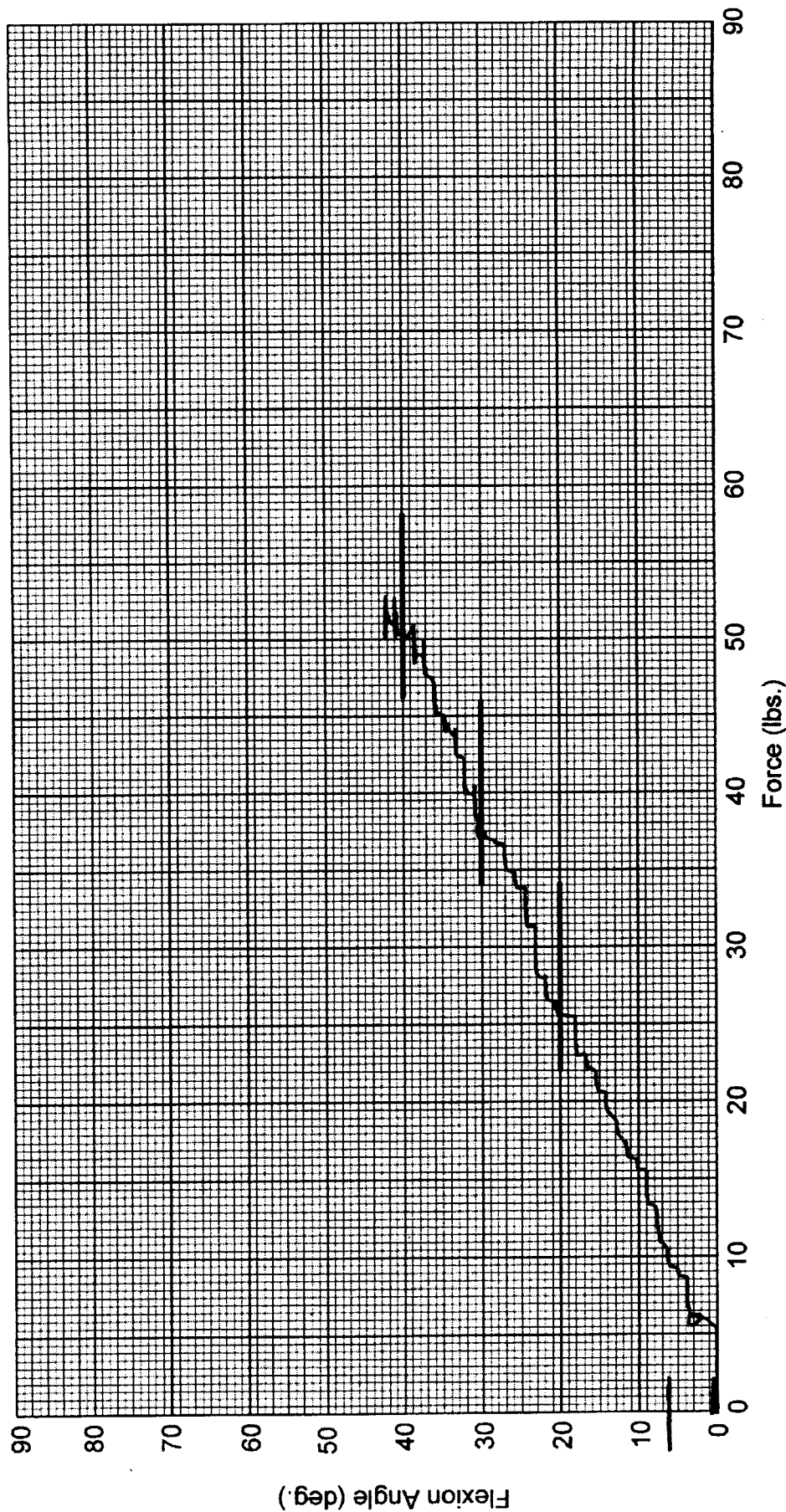
BS

Temp.

70°

Humidity

31%



Hybrid II Lumbar Spine Flexion Test

PRE-TEST DUMMY INSPECTION LIST

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026 Sequential Test Number: 3
 Date: April 3, 2001 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: 5
Date: May 15, 2001 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: 5
Date: May 14, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	902
RH- Rib Height (mm)	502 - 520	512
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	239
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	373

REMARKS: None

**LATERAL THORAX IMPACT TEST
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015

Sequential Test Number: 5

Date: May 14, 2001

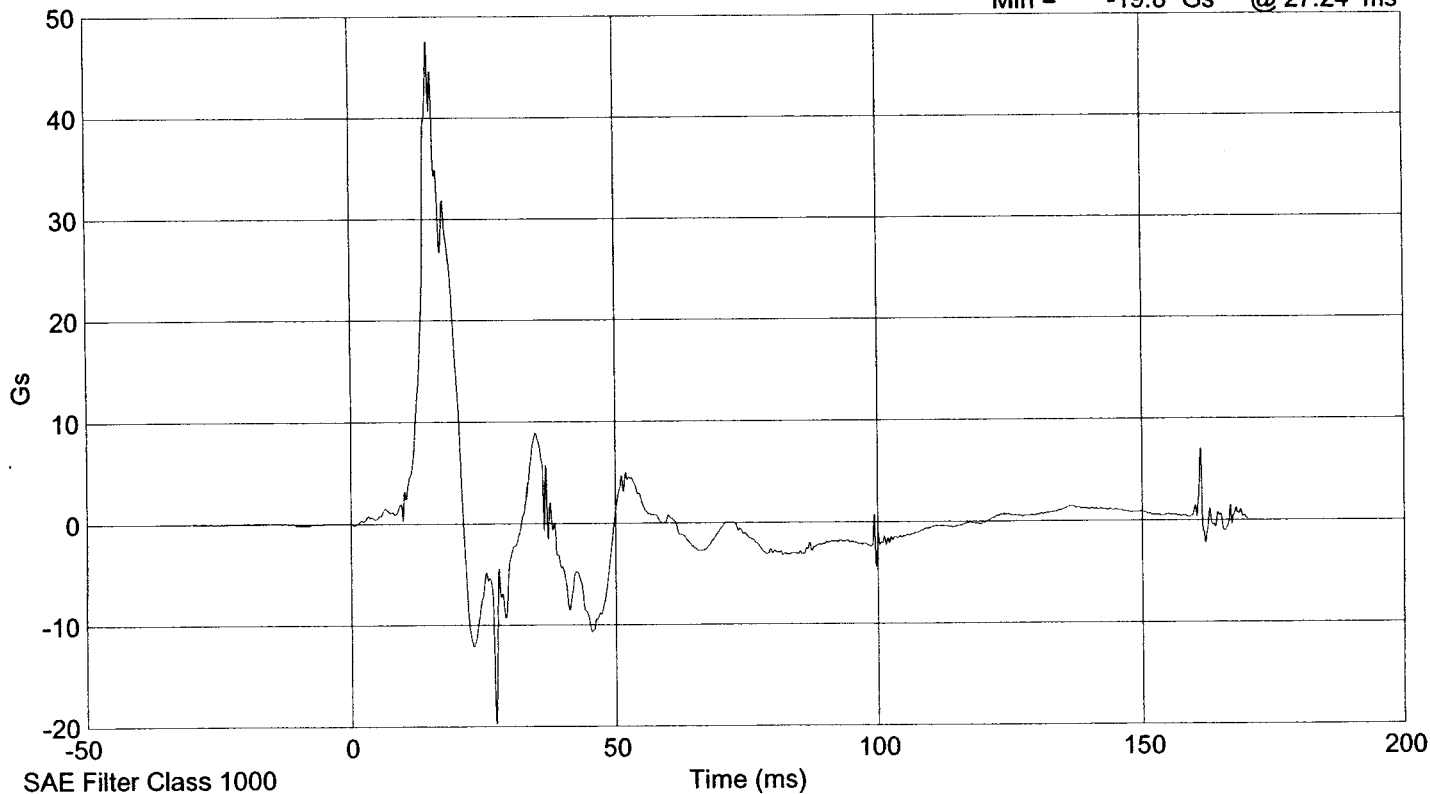
Laboratory Technician: B. Swiecicki

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	4.29
UPPER RIB (g's)	37 - 46	39.19
LOWER RIB (g's)	37 - 46	39.84
LOWER SPINE (g's)	15 - 22	21.16

REMARKS: None

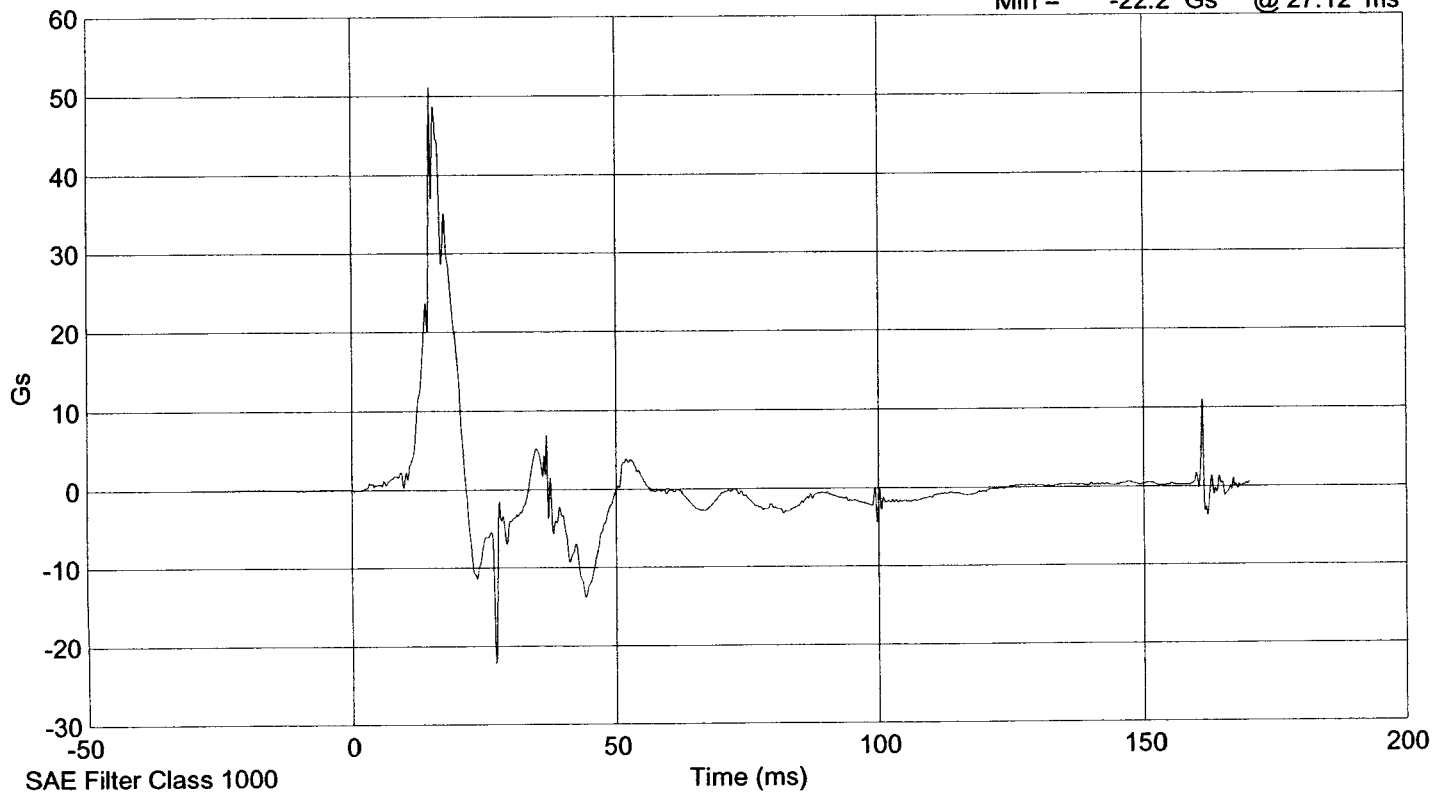
UPPER RIB Y

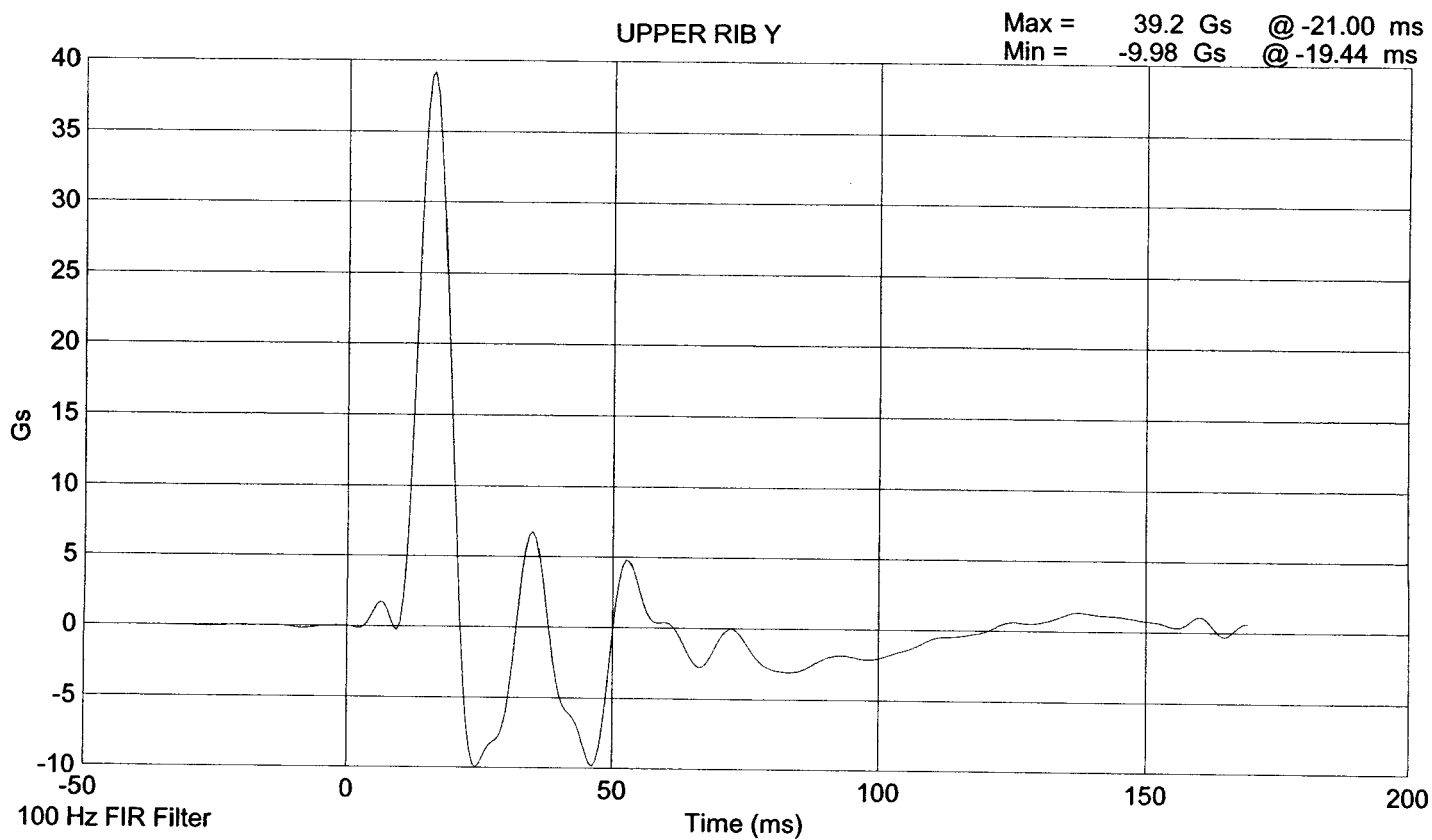
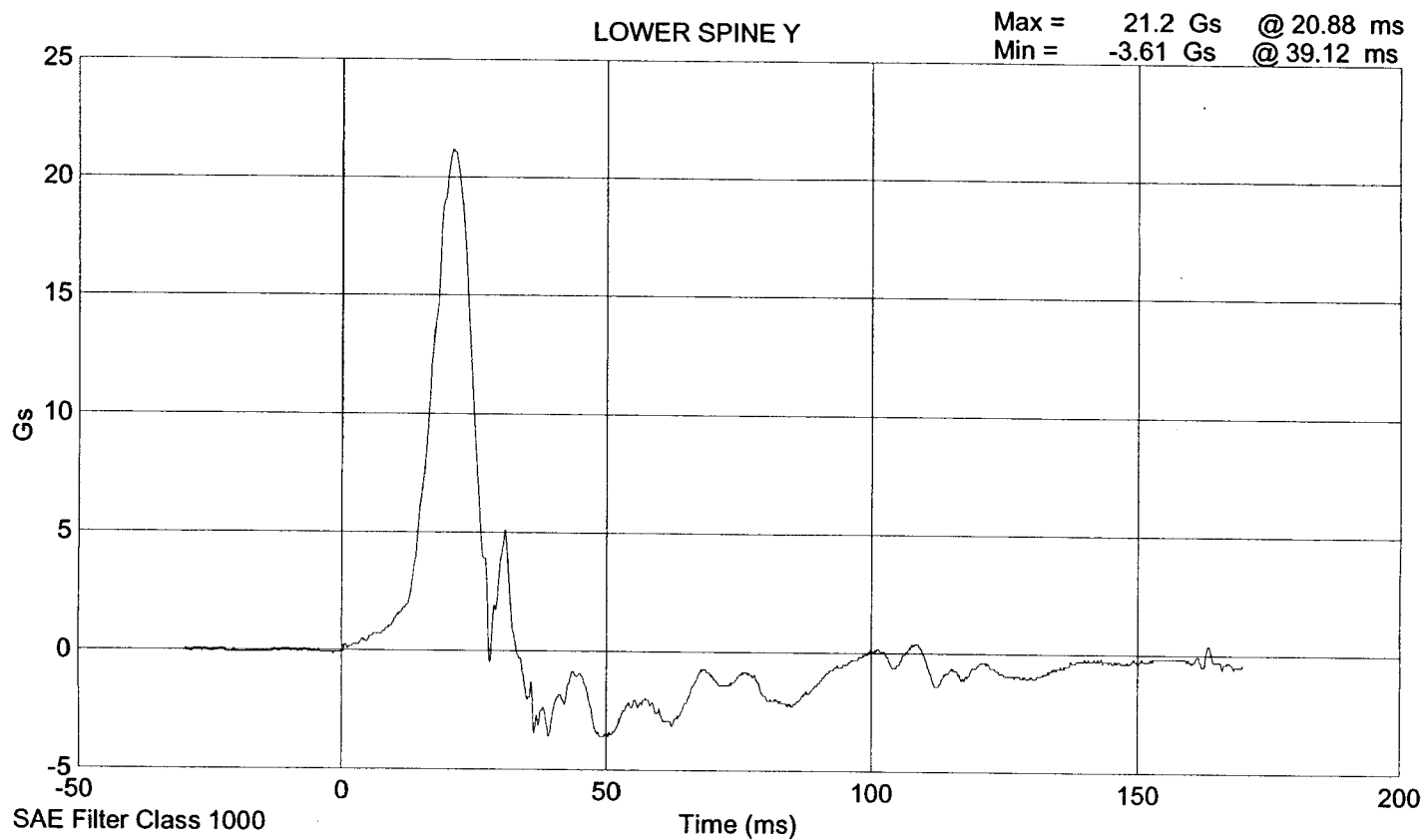
Max = 47.5 Gs @ 14.76 ms
Min = -19.8 Gs @ 27.24 ms



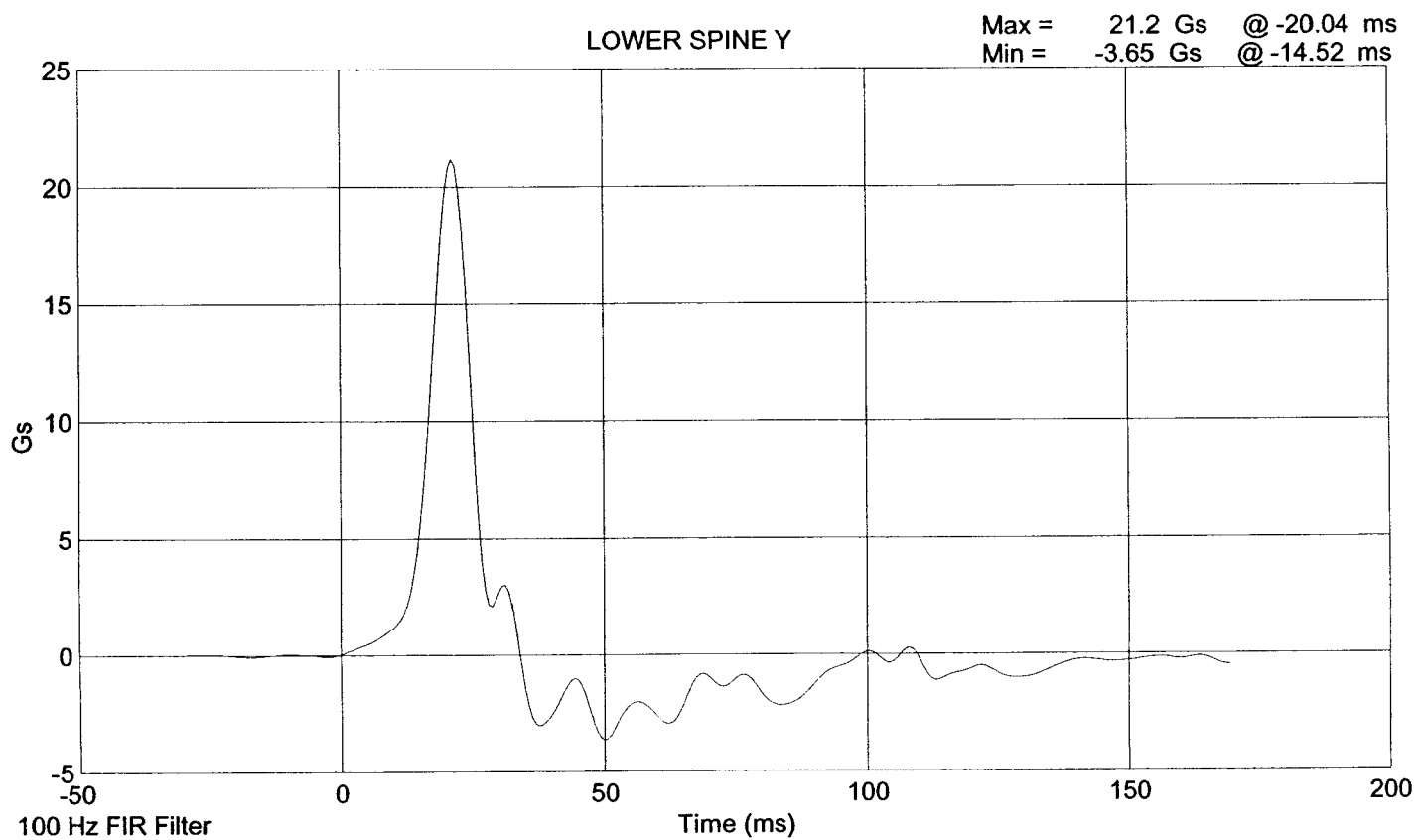
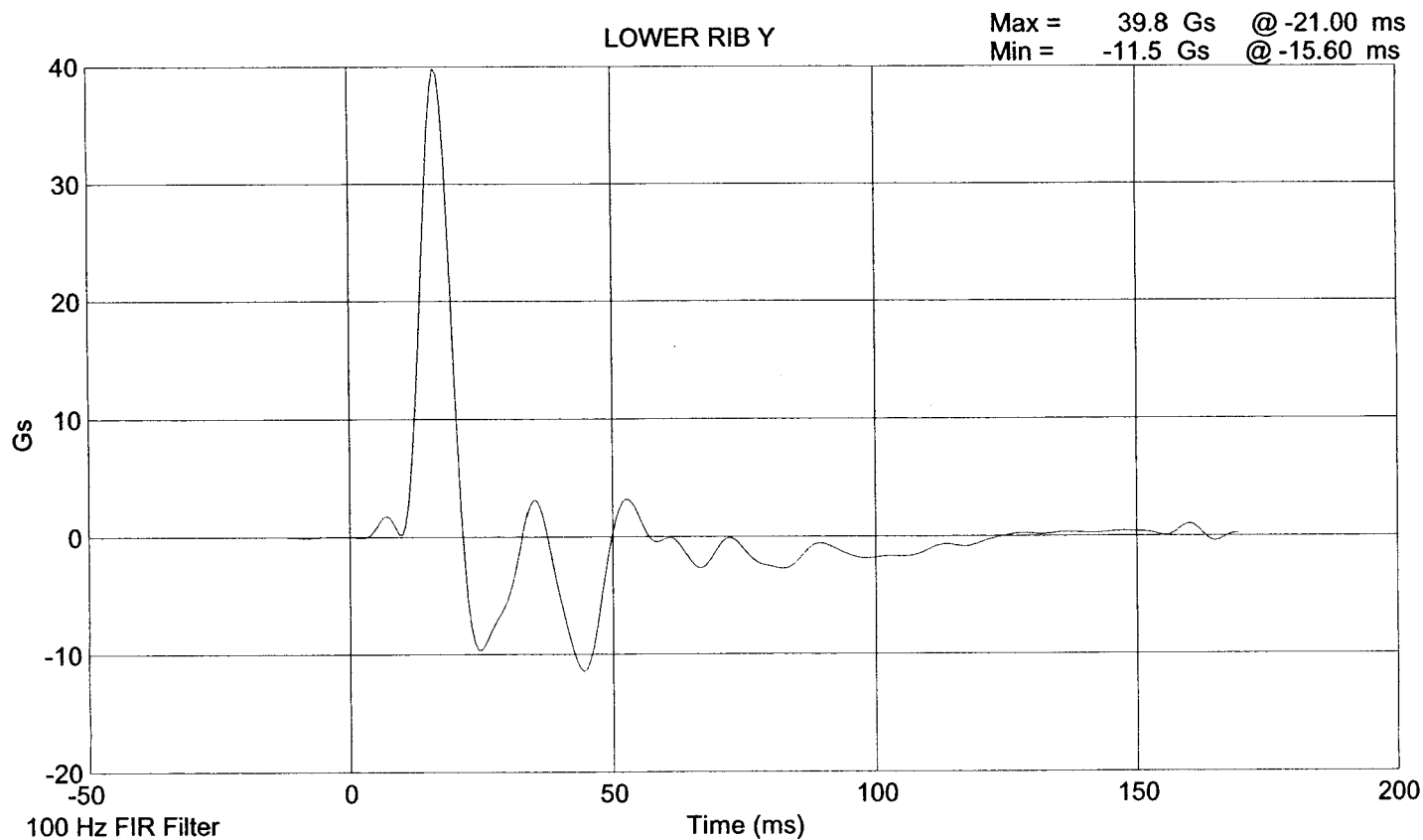
LOWER RIB Y

Max = 51.1 Gs @ 14.76 ms
Min = -22.2 Gs @ 27.12 ms





SID 015 Thorax Impact Test @ 4.2946 m/s



**LATERAL PELVIS IMPACT TEST
POST TEST**

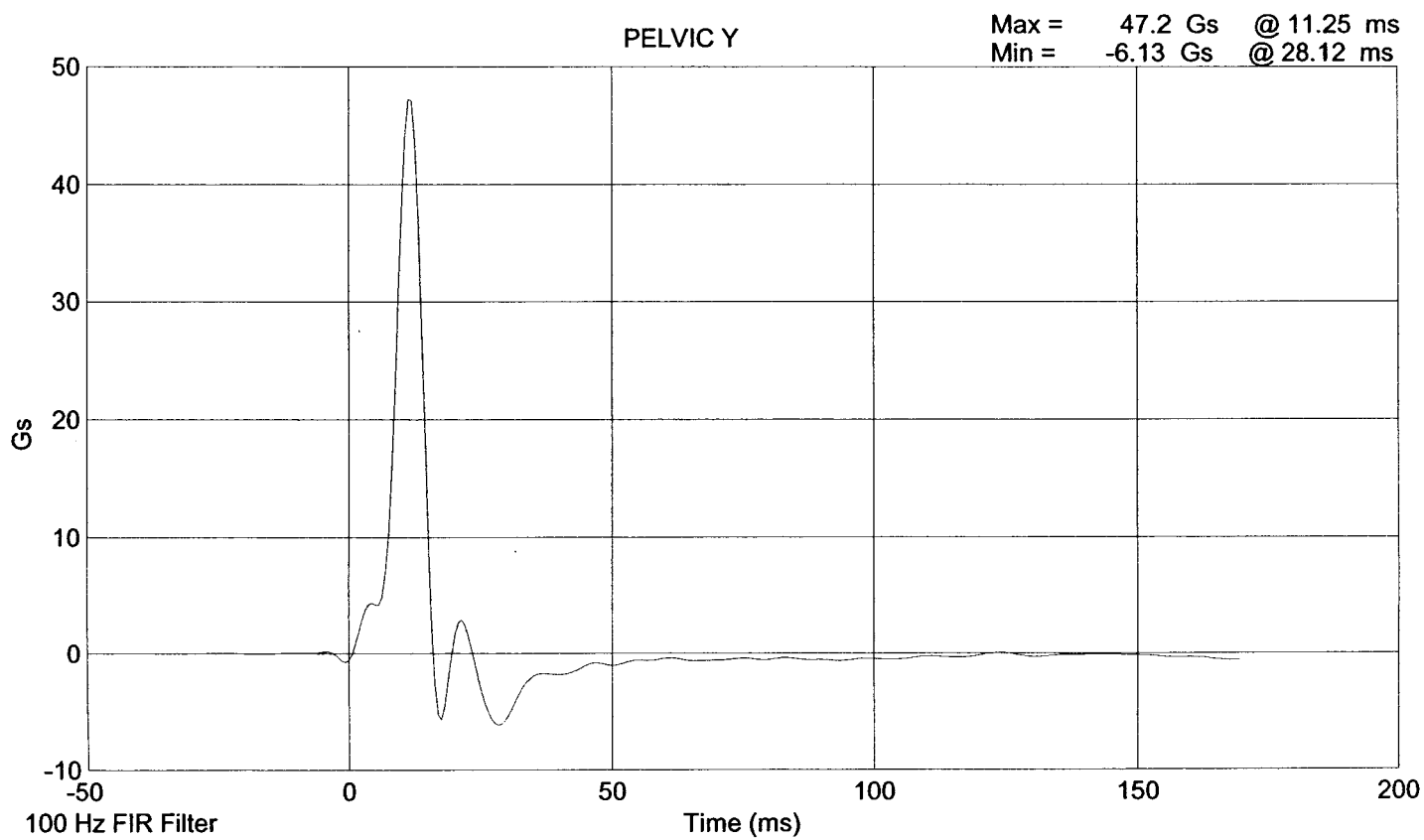
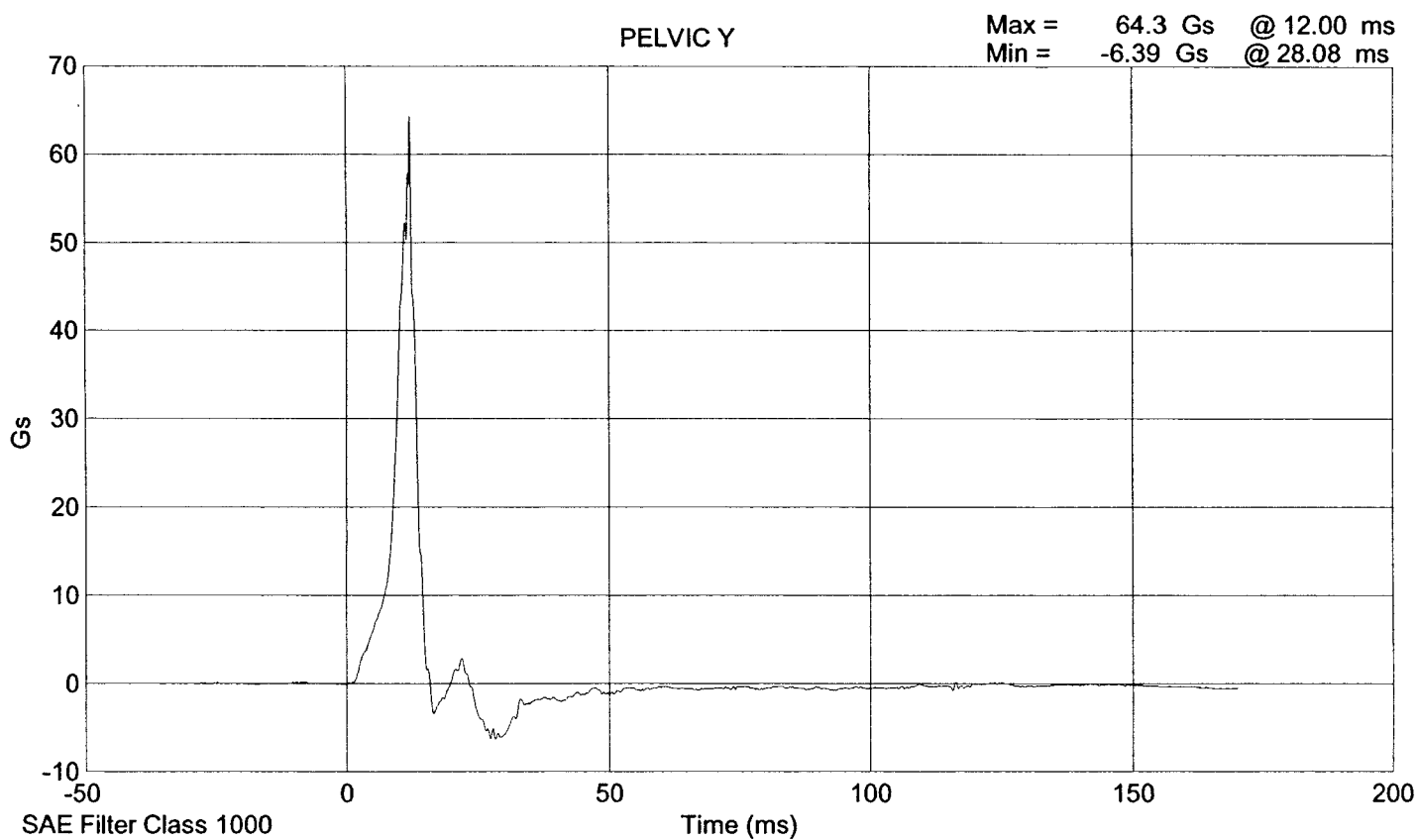
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 5
Date: May 11, 2001 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	47.22

REMARKS: None

SID 015 Pelvic Impact Test @ 4.2702 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: 5
Date: May 15, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31
FORCE @ 13 mm (N)	104 - 162	115.65
FORCE @ 19 mm (N)	163 - 221	181.93
FORCE @ 25 mm (N)	222 - 280	258.00
FORCE @ 33 mm (N)	325 - 391	378.10

REMARKS: None

Dummy S/N 015

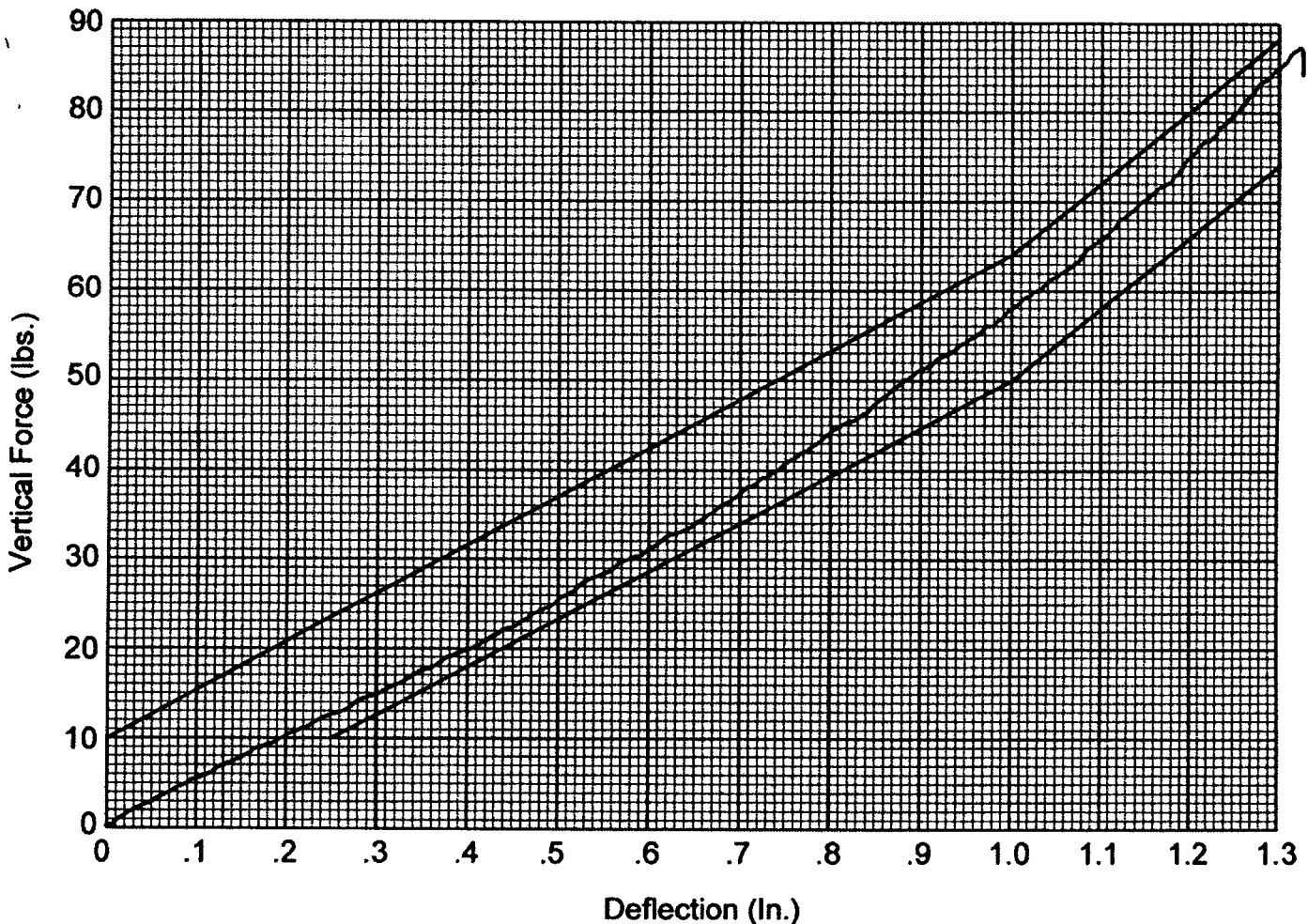
W/A _____

Date 5-15-2001

Performed By [Signature]

Temp. 70'

Humidity 31%



Hybrid II
Abdomen Static Press

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

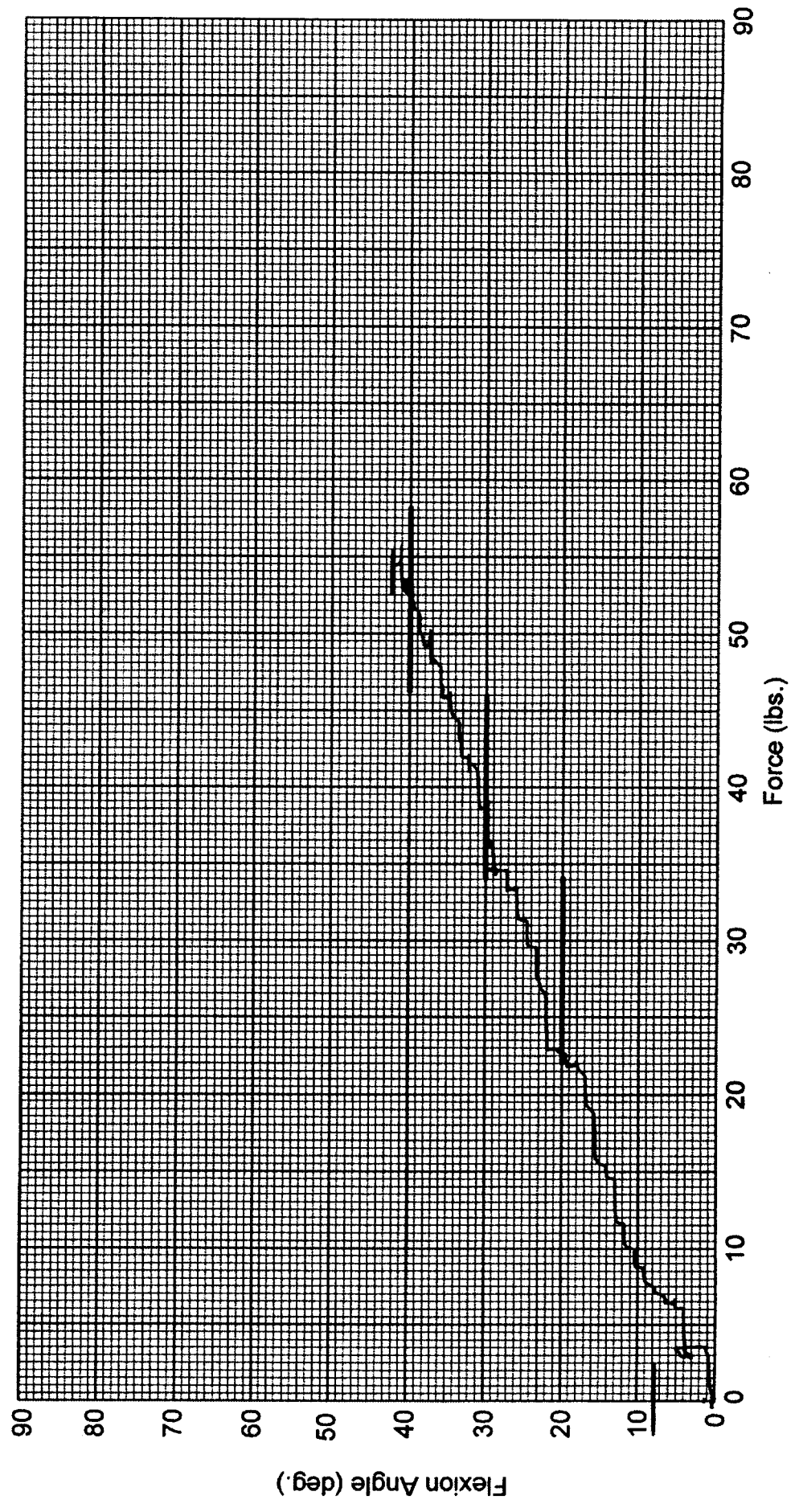
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 5
Date: May 15, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31
FORCE @ 0° (N)	0 - 26.7	0
FORCE @ 20° (N)	97.8 - 151.2	100.97
FORCE @ 30° (N)	151.2 - 204.6	171.26
FORCE @ 40° (N)	204.6 - 258	233.53
RETURN ANGLE	12° max.	7.9°

REMARKS: None

Dummy S/N 015
 W/A _____
 Date 5-15-2001
 Performed By [Signature]
 Temp. 70°
 Humidity 31%



Hybrid II Lumbar Spine Flexion Test

POST TEST DUMMY INSPECTION LIST

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 5
 Date: May 15, 2001 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.: 026

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026 Sequential Test Number: 4
Date: May 15, 2001 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.: 026

Sequential Test Number:

4Date: May 14, 2001

Laboratory Technician:

B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	899
RH- Rib Height (mm)	502 - 520	518
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	518
KV- Knee Pivot to Floor (mm)	490 - 505	493
HW- Hip Width (mm)	356 - 391	371

REMARKS: None

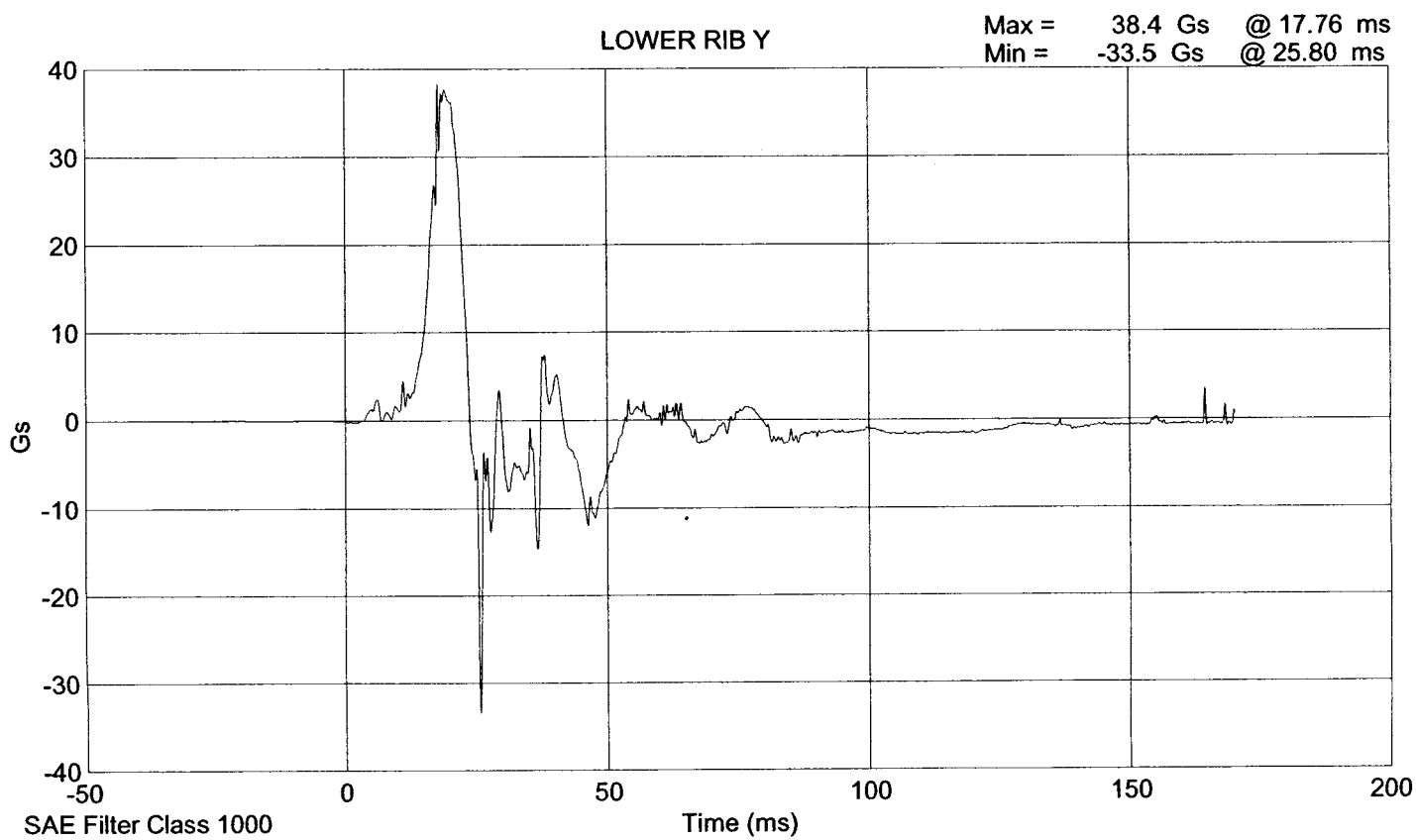
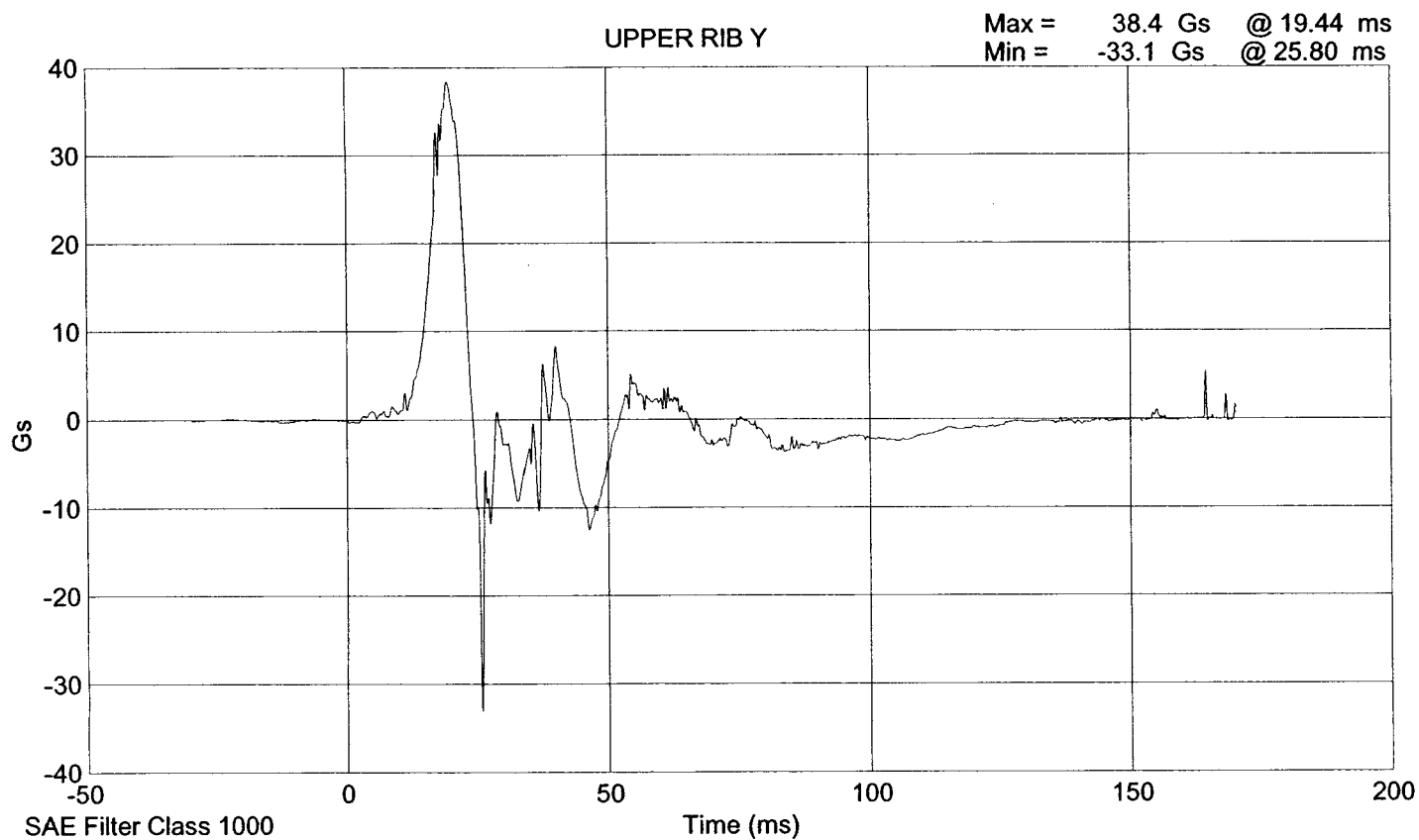
**LATERAL THORAX IMPACT TEST
POST TEST**

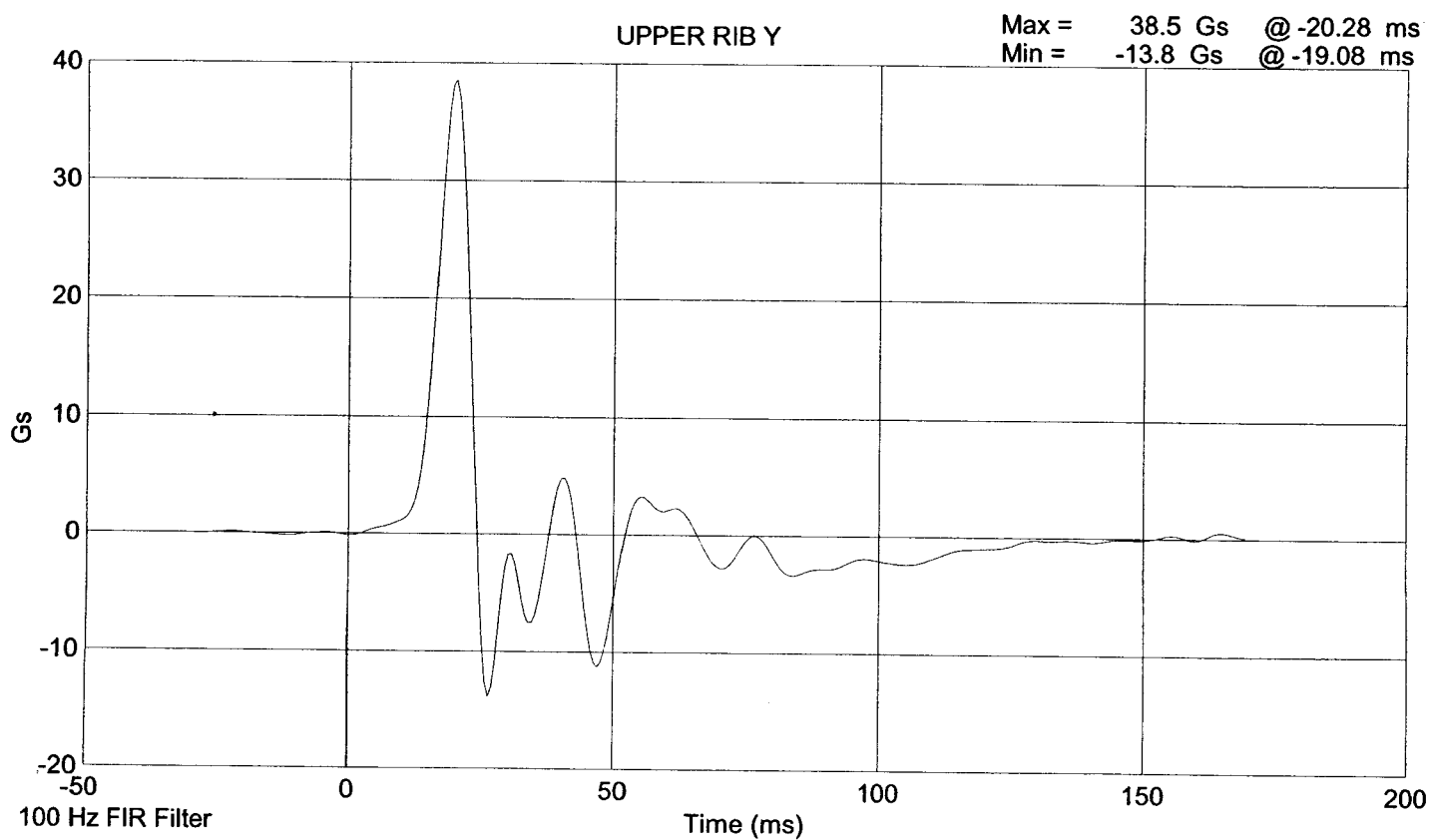
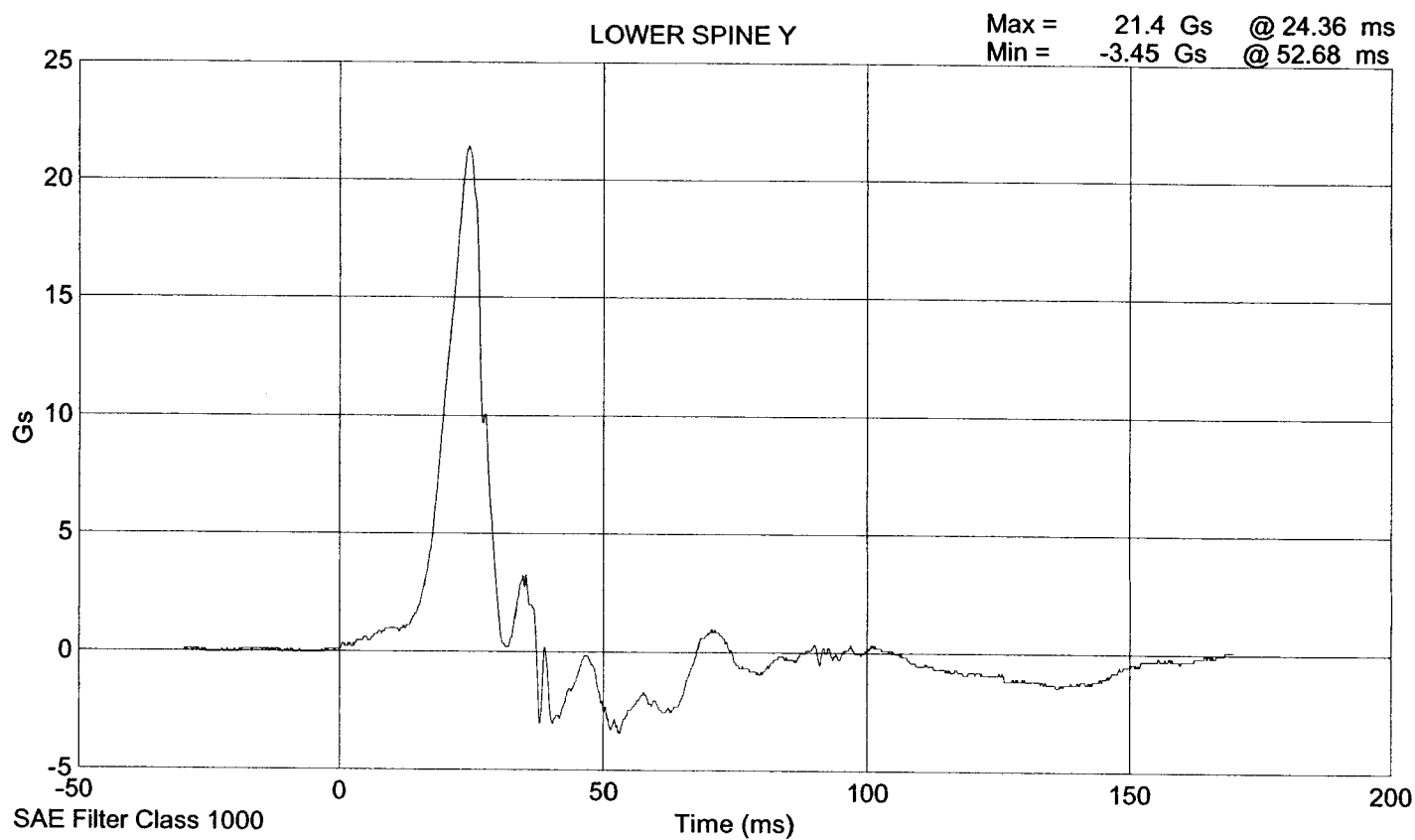
CONFIGURED FOR LEFT SIDE IMPACT

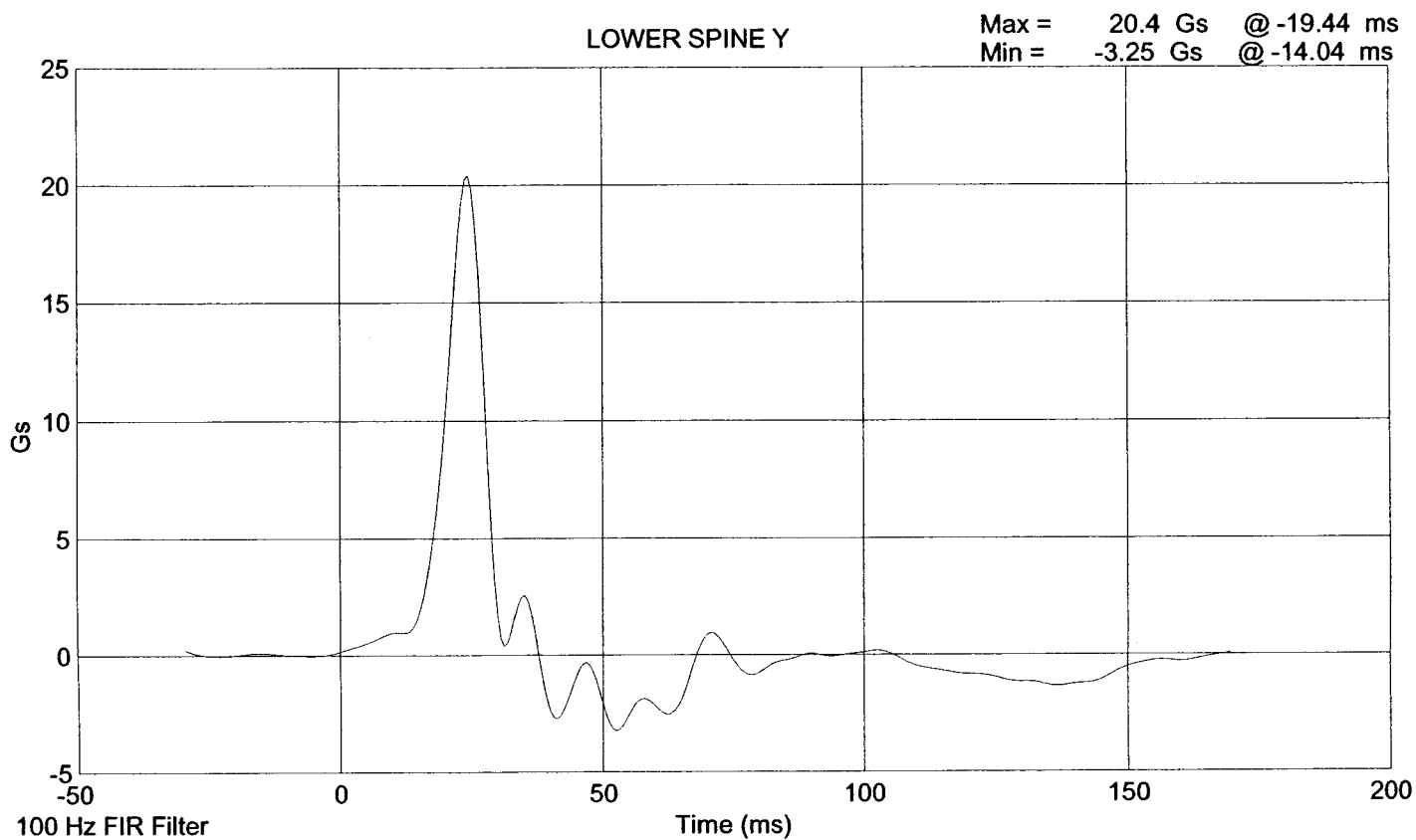
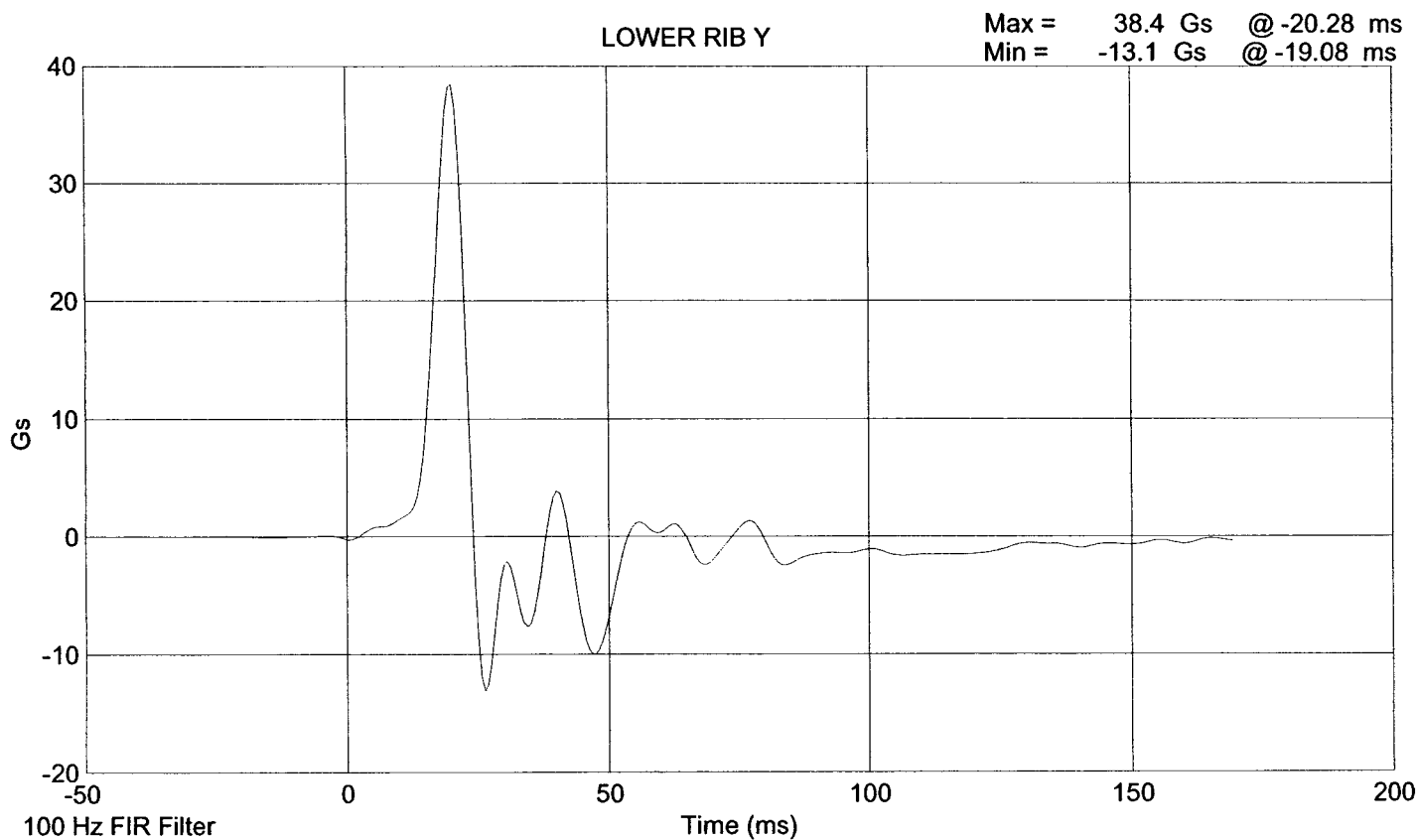
SID Serial No.: 026 Sequential Test Number: 4
Date: May 14, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31
PROBE SPEED (m/s)	4.27 - 4.33	4.27
UPPER RIB (g's)	37 - 46	38.53
LOWER RIB (g's)	37 - 46	38.41
LOWER SPINE (g's)	15 - 22	20.41

REMARKS: None







**LATERAL PELVIS IMPACT TEST
POST TEST**

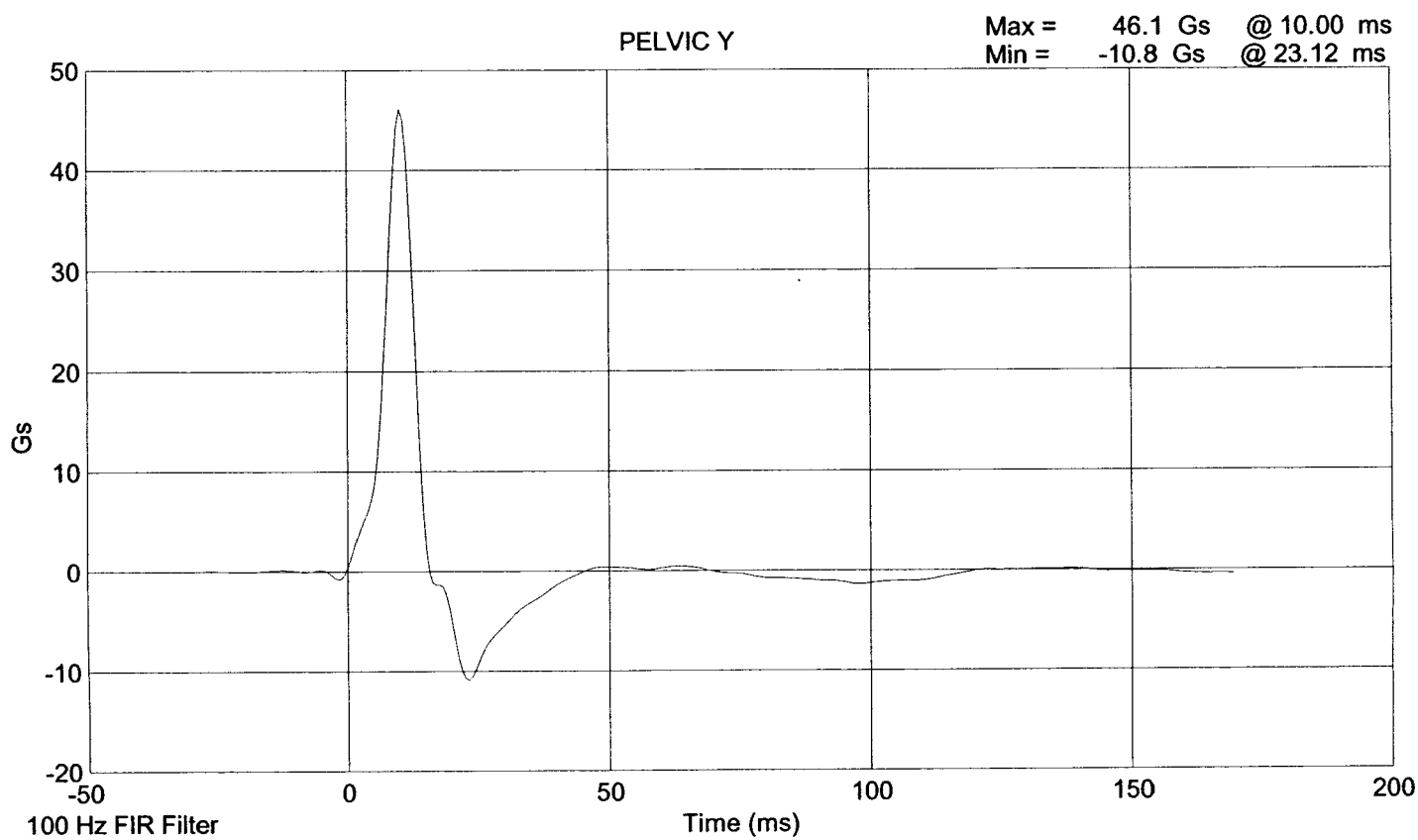
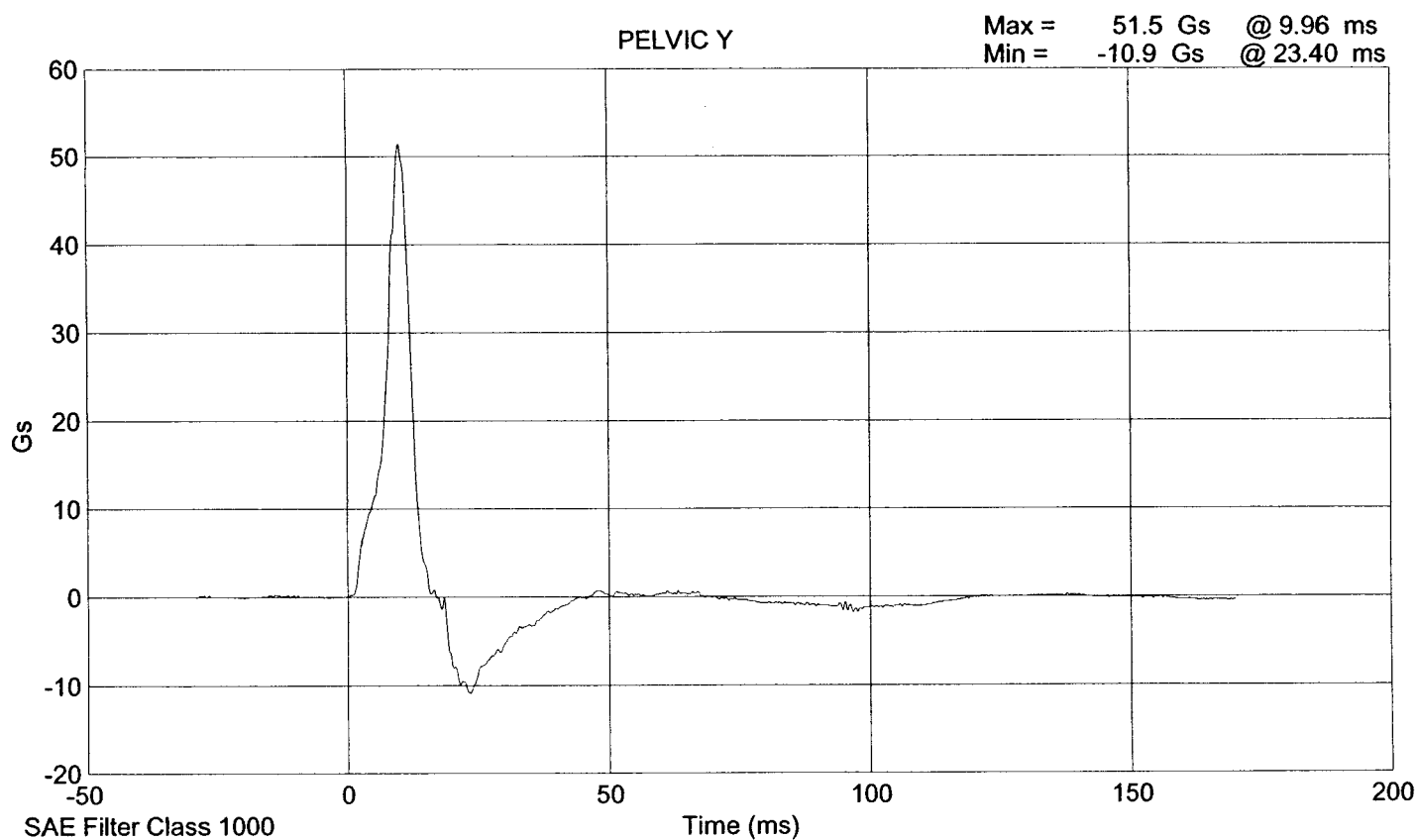
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026 Sequential Test Number: 4
Date: May 14, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31
PROBE SPEED (m/s)	4.27 - 4.33	4.28
PELVIS ACCELERATION (g's)	40 - 60	46.07

REMARKS: None

SID 026 Pelvic Impact Test @ 4.2824 m/s



ABDOMINAL COMPRESSION TEST**POST TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACTSID Serial No.: 026

Sequential Test Number:

4Date: May 15, 2001

Laboratory Technician:

B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31
FORCE @ 13 mm (N)	104 - 162	115.65
FORCE @ 19 mm (N)	163 - 221	177.93
FORCE @ 25 mm (N)	222 - 280	258.00
FORCE @ 33 mm (N)	325 - 391	378.10

REMARKS: None

Dummy S/N 026

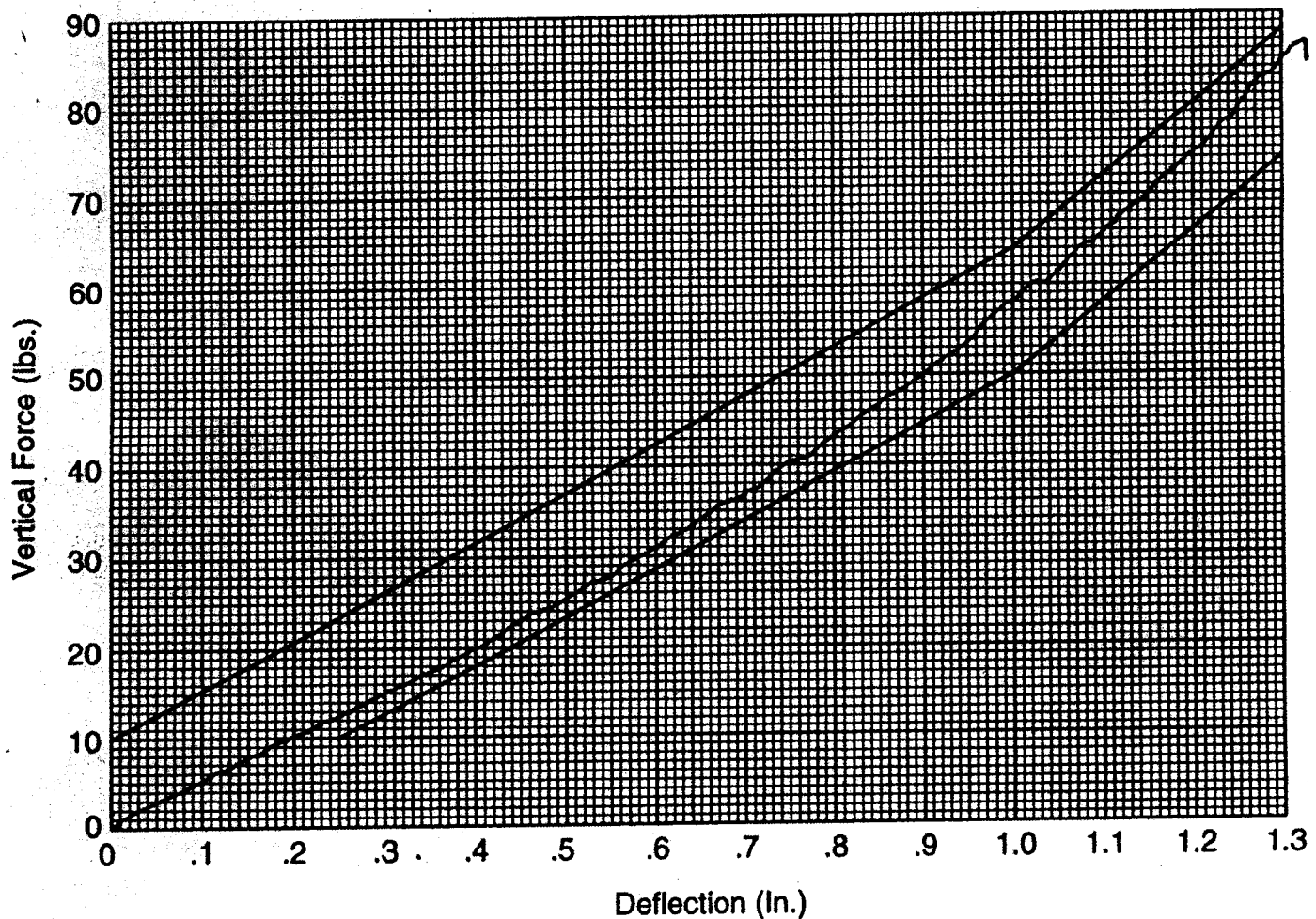
W/A _____

Date 5-15-2001

Performed By [Signature]

Temp. 70°

Humidity 31%



Hybrid II
Abdomen Static Press

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

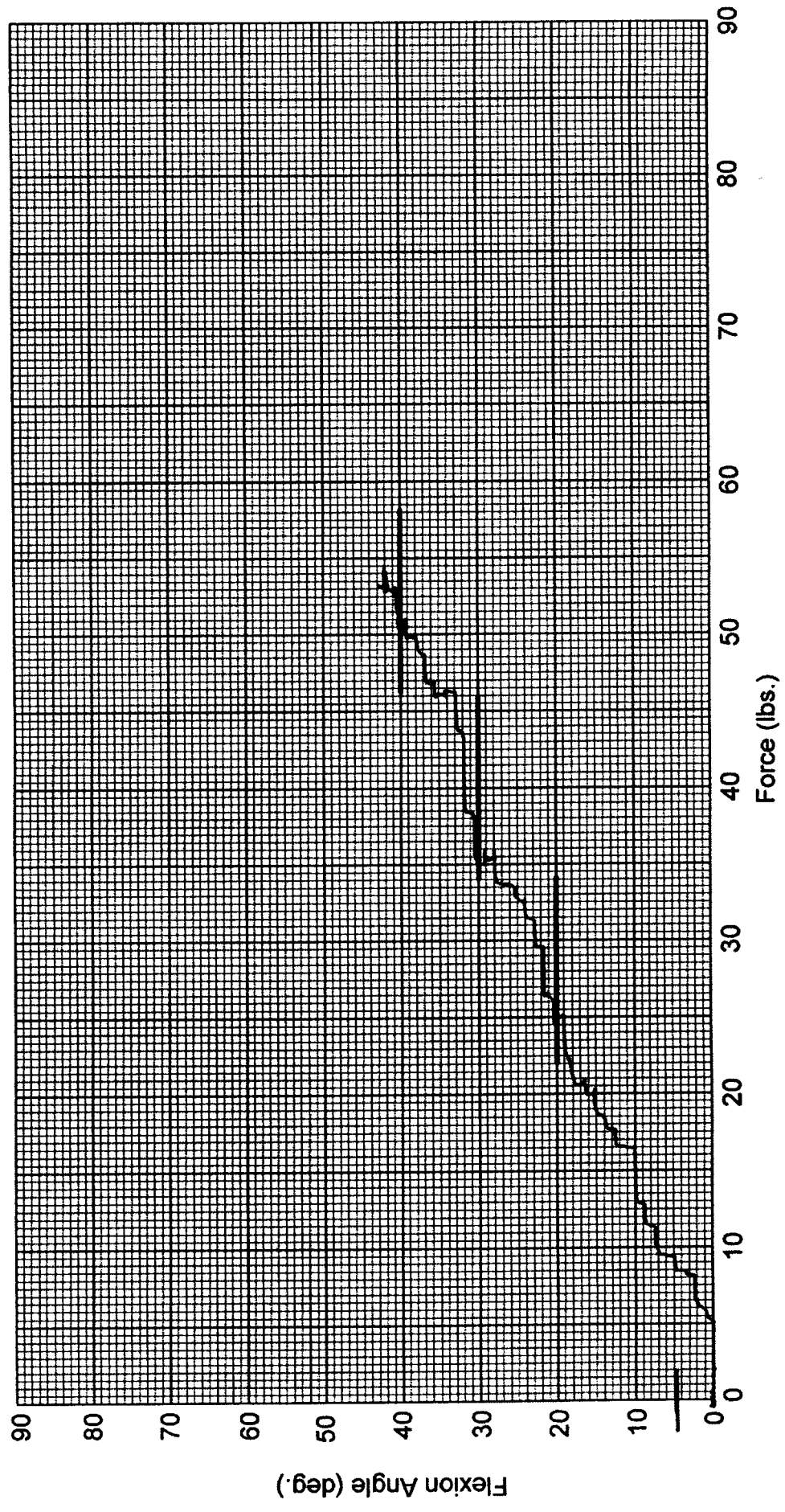
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026 Sequential Test Number: 4
Date: May 15, 2001 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31
FORCE @ 0° (N)	0 - 26.7	0
FORCE @ 20° (N)	97.8 - 151.2	108.98
FORCE @ 30° (N)	151.2 - 204.6	155.69
FORCE @ 40° (N)	204.6 - 258	222.41
RETURN ANGLE	12° max.	5°

REMARKS: None

Dummy S/N 0121
 W/A _____
 Date 5-15-2001
 Performed By BD
 Temp. 70°
 Humidity 31%



Hybrid II Lumbar Spine Flexion Test

POST TEST DUMMY INSPECTION LIST

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 026

Sequential Test Number: 4

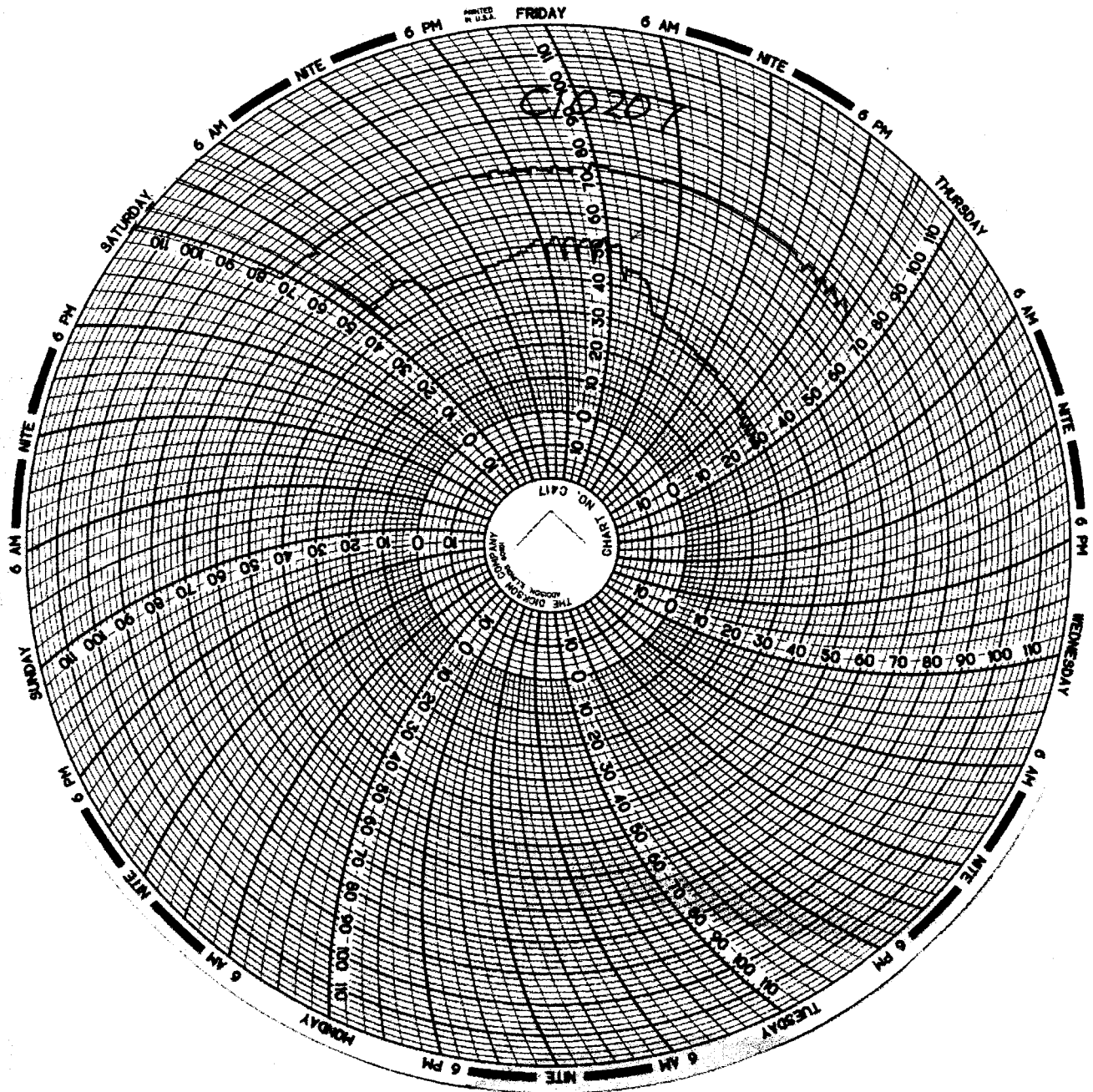
Date: May 14, 2001

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

TEMPERATURE TRACE



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
HEAD (X)	AC-P13331	ENDEVCO	20-Nov-00
HEAD (Y)	AC-P13356	ENDEVCO	20-Nov-00
HEAD (Z)	AC-P13323	ENDEVCO	20-Nov-00
UPPER RIB (Y)	AC-P16862	ENDEVCO	16-Jan-01
LOWER RIB (Y)	AC-P16656	ENDEVCO	16-Jan-01
LOWER SPINE (Y)	AC-P16866	ENDEVCO	16-Jan-01
PELVIS (Y)	AC-P16676	ENDEVCO	16-Jan-01
UPPER RIB REDUNDANT (Y)	AC-J32779	ENDEVCO	16-Jan-01
LOWER RIB REDUNDANT (Y)	AC-P16645	ENDEVCO	16-Jan-01
LOWER SPINE REDUNDANT (Y)	AC-P16823	ENDEVCO	16-Jan-01
PELVIS REDUNDANT (Y)	AC-P16843	ENDEVCO	16-Jan-01

	REAR SID NO : 026		
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
HEAD (X)	AC-J33019	ENDEVCO	19-Apr-01
HEAD (Y)	AC-J32782	ENDEVCO	19-Apr-01
HEAD (Z)	AC-J33127	ENDEVCO	19-Apr-01
UPPER RIB (Y)	AC-J32787	ENDEVCO	30-Nov-00
LOWER RIB (Y)	AC-J33156	ENDEVCO	30-Nov-00
LOWER SPINE (Y)	AC-P15534	ENDEVCO	23-Feb-01
PELVIS (Y)	AC-P16585	ENDEVCO	23-Feb-01
UPPER RIB REDUNDANT (Y)	AC-J33020	ENDEVCO	30-Nov-00
LOWER RIB REDUNDANT (Y)	AC-J32791	ENDEVCO	30-Nov-00
LOWER SPINE REDUNDANT (Y)	AC-P15526	ENDEVCO	23-Feb-01
PELVIS REDUNDANT (Y)	AC-P16576	ENDEVCO	23-Feb-01

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-B11407	ENDEVCO	14-Feb-01
RIGHT FRONT SILL (Y)	AC-B11408	ENDEVCO	14-Feb-01
RIGHT FRONT SILL (Z)	AC-B10827	ENDEVCO	14-Feb-01
RIGHT REAR SILL (X)	AC-AP064	ENDEVCO	16-Mar-01
RIGHT REAR SILL (Y)	AC-B10955	ENDEVCO	16-Mar-01
RIGHT REAR SILL (Z)	AC-BB14	ENDEVCO	16-Mar-01
REAR FLOORPAN ABOVE AXLE (X)	AC-J33030	ENDEVCO	16-Jan-01
REAR FLOORPAN ABOVE AXLE (Y)	AC-J33021	ENDEVCO	16-Jan-01
REAR FLOORPAN ABOVE AXLE (Z)	AC-J27941	ENDEVCO	15-Feb-01
LEFT REAR SILL (Y)	AC-A13513	ENDEVCO	12-Jan-01
LEFT FRONT SILL (Y)	AC-B10481	ENDEVCO	23-Feb-01
RIGHT REAR SEAT OCCUPANT COMP. (Y)	AC-Y17	ICS	18-Apr-01
LOWER LEFT B- PILLAR (Y)	AC-J24754	ENDEVCO	13-Feb-01
MIDDLE LEFT B-PILLAR (Y)	AC-P16583	ENDEVCO	06-Dec-00
LOWER LEFT A-PILLAR (Y)	AC-ACC06	ENDEVCO	23-Feb-01
UPPER LEFT A-PILLAR (Y)	AC-P19343	ENDEVCO	21-Feb-01
FRONT SEAT TRACK (Y)	AC-A14433	ENDEVCO	15-Feb-01
REAR SEAT TRACK (Y)	AC-P18743	ENDEVCO	21-Feb-01
VEHICLE CG (X)	AC-J32174	ENDEVCO	30-Apr-01
VEHICLE CG (Y)	AC-J32143	ENDEVCO	30-Apr-01
VEHICLE CG (Z)	AC-J32838	ENDEVCO	30-Apr-01
MDB CG (X)	AC-C16682	ENDEVCO	28-Feb-01
MDB CG (Y)	AC-CJ54	ENDEVCO	28-Feb-01
MDB CG (Z)	AC-GK12	ENDEVCO	28-Feb-01
MDB REAR FRAME MEMBER (X)	AC-CX05	ENDEVCO	28-Feb-01
MDB REAR FRAME MEMBER (Y)	AC-C16685	ENDEVCO	28-Feb-01

REMARKS: None

