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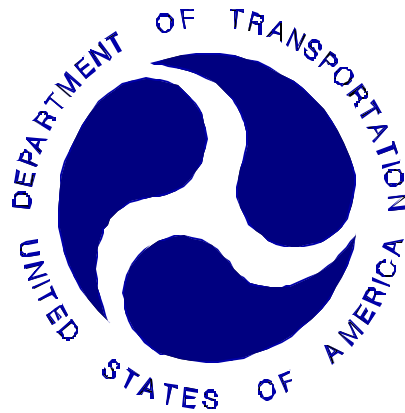
**NEW CAR ASSESSMENT PROGRAM
SIDE IMPACT TEST**

HONDA OF AMERICA MFG. INC.
2003 HONDA ACCORD
2-DOOR COUPE

NHTSA NUMBER: M35303

VERIDIAN ENGINEERING TEST NUMBER: 8652-SNCAP-08

VERIDIAN ENGINEERING
TRANSPORTATION SCIENCES CENTER
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January 15, 2003

FINAL REPORT

U. S. DEPARTMENT OF TRANSPORTATION
National Highway Traffic Safety Administration
Rulemaking
Office of Crashworthiness Standards
Mail Code: NVS-111
400 Seventh Street, SW, Room No. 5313
Washington, DC 20590

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

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16. Abstract A 55/28 kph 90° Impact Moving Deformable Barrier NCAP Side Impact Test was conducted on the subject 2003 Honda Accord 2-Door Coupe in accordance with the specifications of the Office of Crashworthiness Standards Test Procedure for the generation of consumer information on vehicle side crash protection. This test was conducted at the Veridian Engineering Crash Test Facility in Buffalo, New York, on January 15, 2003. The impact velocity of the Moving Deformable Barrier (MDB) was 61.31 kph, and the ambient temperature at the struck (driver's) side of the target vehicle at the time of impact was 21°C. The target vehicle post-test maximum crush was 310 mm at level 2. The test or target vehicle's performance is given below: <table border="0"> <thead> <tr> <th></th> <th><u>Front SID H3</u></th> <th></th> <th><u>Rear SID H3</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Left Upper Rib Acceleration:</td> <td align="center">48.3</td> <td>g's</td> <td align="center">47.1</td> <td>g's</td> </tr> <tr> <td>Left Lower Rib Acceleration:</td> <td align="center">51.3</td> <td>g's</td> <td align="center">48.6</td> <td>g's</td> </tr> <tr> <td>Lower Spine Acceleration:</td> <td align="center">59.8</td> <td>g's</td> <td align="center">54.6</td> <td>g's</td> </tr> <tr> <td>Thoracic Trauma Index (TTI):</td> <td align="center">55</td> <td>g's</td> <td align="center">52</td> <td>g's</td> </tr> <tr> <td>Pelvis Acceleration (PEV):</td> <td align="center">56</td> <td>g's</td> <td align="center">45</td> <td>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 H3</u>		<u>Rear SID H3</u>		Left Upper Rib Acceleration:	48.3	g's	47.1	g's	Left Lower Rib Acceleration:	51.3	g's	48.6	g's	Lower Spine Acceleration:	59.8	g's	54.6	g's	Thoracic Trauma Index (TTI):	55	g's	52	g's	Pelvis Acceleration (PEV):	56	g's	45	g's
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17. Key Words New Car Assessment Program (NCAP) Side Impact MDB Side Impact Dummy (SID)		18. Distribution Statement <u>Copies of this report are available from:</u> 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																															
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SECTION 1

PURPOSE AND TEST PROCEDURE

This side impact test is part of the FY2003 New Car Assessment Program Side Impact Protection sponsored by the National Highway Traffic Safety Administration (NHTSA) under Contract No. DTNH22-98-D-02001. The purpose of this test was to generate comparative side impact performance in a 2003 Honda Accord 2-Door Coupe. The test was conducted in accordance with the Office of Crashworthiness Standards' Laboratory Test Procedure dated July 1997.

SECTION 2

SUMMARY OF SIDE IMPACT TEST

A 2003 Honda Accord 2-Door Coupe was impacted on the left or driver's side by a Moving Deformable Barrier (MDB) which was moving forward in a 27° crabbed position to the monorail at a velocity of 61.31 kph (38.1 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 January 15, 2003. Pre- and post-test photographs of the test vehicle, the moving deformable barrier (MDB), and the Side Impact Hybrid III Dummies (SID H3s) are included in Appendix A.

Two restrained Side Impact Hybrid III Dummies (SID H3s) were placed in the driver (Pos. #1) and left rear (Pos. #4) designated seating positions according to the instructions specified in the OCWS Side Impact Laboratory Test Procedure which is dated July, 1997. The side impact test was documented by one real-time camera and 10 high-speed cameras. Camera locations and other pertinent camera information are included in this report.

The SID H3s 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)
5. Head triaxial accelerometers (X-, Y- and Z-direction)
6. Upper neck force and moment (X-, Y and Z-direction) load cells

A summary of the Side Impact Hybrid III Dummy (SID H3) configuration and verification test data can be found in Appendix C. A total of 64 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 H3	Rear SID H3
TTI (g)	55	52
PEV (g)	56	45

AIR BAG DEPLOYMENT STATUS

	DRIVER	FRONT PASSENGER	REAR PASSENGER
Front Air Bag	No	No	NA
Knee Bolster Bag	NA	NA	NA
Side Air Bag	NA	NA	NA
Side Curtain Bag	NA	NA	NA

SECTION 3

SUMMARY OF TEST RESULTS

DATA SHEET 1

GENERAL TEST AND VEHICLE PARAMETER DATA

TEST VEHICLE INFORMATION:

Year/Make/Model/Body Style: 2003 Honda Accord 2-Door Coupe

Vehicle Body Color: Black VIN: 1HGCM71223A003279

Vehicle NHTSA No.: M35303 Month & Year of Manufacture: _____

Engine Data: 4 Cylinders; - CID; 2.4 Liters; - cc

Engine Placement: - Longitudinal; or X Lateral

Transmission: 5 Speed; X Manual; - Automatic; X Overdrive

Final Drive: - Rear Wheel Drive; X Front Wheel Drive; - Four Wheel Drive

Odometer Reading 10 km

Supplemental Airbag Restraints:

Front Occupant: X Frontal; - Knee; - Side; - Curtain

Rear Occupant: - Frontal; - Knee; - Side; - Curtain

Options: X A/C; X Power Steering; X Power Brakes; X Power Windows

DATA FROM TIRE PLACARD

Recommended Tire Size: P205 65R15 92H

* Recommended Cold Tire Pressure: 210 kPa FRONT; 200 kPa REAR

DATA FROM TIRE SIDEWALL:

Size of Tires on Test Vehicle: P205 65R15 92H ; Manufacturer: Bridgestone

Tire Pressure with Maximum Capacity Vehicle Load: Front: 300 kPa; Rear: 300 kPa

Treadwear: 300 ; Traction: A ; Temperature: A

VEHICLE CAPACITY DATA:

Number of Occupants: 2 Front; 3 Rear; 0 3rd Seat; 5 Total

Type of Front Seats: X Bucket; - Bench; - Split Bench

Type of Front Seat Back: - Fixed; X Adjustable with X Lever or - Knob

Vehicle Max Capacity Loading = 385 kg (A)

No. of Occupants x 68.04 kg. = 340.2 kg (B)

Vehicle Cargo Capacity = 44.8 kg (A-B)

TEST VEHICLE DELIVERED WEIGHT WITH MAXIMUM FLUIDS:

Left Front = 393.0 kg Left Rear = 299.0 kg

Right Front = 385.0 kg Right Rear = 288.5 kg

TOTAL FRONT = 778.0 kg TOTAL REAR = 587.5 kg

% of Total Weight = 57.0% % % of Total Weight = 43.0 %

TOTAL WEIGHT = 1365.5 kg

* Tire pressure used in test.

DATA SHEET 1 (continued)

GENERAL TEST VEHICLE PARAMETER DATA

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303

CALCULATION OF VEHICLE'S TARGET TEST WEIGHT:

Total Test Vehicle Delivered Weight with Max. Fluids	=	<u>1365.5</u>	kg (A)
Maximum Cargo Carrying Capacity of Test Vehicle	=	<u>44.8</u>	kg (B)
Weight of instrumented SID H3 Dummies (2 X 81.2 kg)	=	<u>162.4</u>	kg (C)
TEST VEHICLE TARGET WEIGHT:	=	<u>1572.7</u>	kg (A+B+C)

FULLY LOADED TEST VEHICLE (UDVW + 2 SID H3(s) + CARGO):

Left Front	=	<u>463.5</u>	kg	Left Rear	=	<u>366.0</u>	kg
Right Front	=	<u>427.5</u>	kg	Right Rear	=	<u>317.5</u>	kg
TOTAL FRONT	=	<u>891.0</u>	kg	TOTAL REAR	=	<u>683.5</u>	kg
% of Total Weight	=	<u>56.6%</u>	%	% of Total Weight	=	<u>43.4%</u>	%
TOTAL TEST WEIGHT =		<u>1574.5</u>	kg				

AS TESTED WEIGHT OF TEST VEHICLE (2 SID H3(s) + CARGO + EQUIPMENT & INSTRUMENTATION):

Left Front	=	<u>451.0</u>	kg	Left Rear	=	<u>357.5</u>	kg
Right Front	=	<u>430.0</u>	kg	Right Rear	=	<u>328.0</u>	kg
TOTAL FRONT	=	<u>881.0</u>	kg	TOTAL REAR	=	<u>685.5</u>	kg
% of Total Weight	=	<u>56.2%</u>	%	% of Total Weight	=	<u>43.8%</u>	%
TOTAL TEST WEIGHT =		<u>1566.5</u>	kg				

TEST VEHICLE ATTITUDE (all dimensions in millimeters):

AS DELIVERED:

Left Front	<u>720</u>	Right Front	<u>725</u>	Left Rear	<u>713</u>	Right Rear	<u>705</u>
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FULLY LOADED:

Left Front	<u>705</u>	Right Front	<u>718</u>	Left Rear	<u>679</u>	Right Rear	<u>684</u>
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READY FOR TEST:

Left Front	<u>709</u>	Right Front	<u>719</u>	Left Rear	<u>680</u>	Right Rear	<u>685</u>
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Test Vehicle Wheelbase: 2670 millimeters

C.G. = 1168.39 millimeters rearward of front wheel centerline

TOTAL VEHICLE LENGTH:

Right Side =	<u>4650</u>	millimeters
Left Side =	<u>4650</u>	millimeters
Centerline =	<u>4765</u>	millimeters

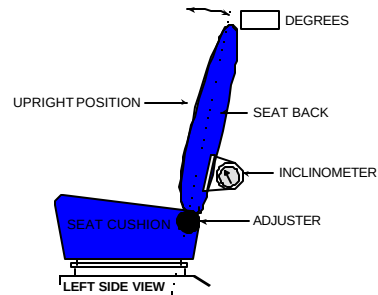
DATA SHEET 1 (continued)

GENERAL TEST VEHICLE PARAMETER DATA

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303

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



FRONT SEAT ASSEMBLY

FRONT SEAT CUSHION PLACEMENT: Mid Position (120 mm of 240 or detent 12 of 0 to 24)

Total Length of Adjustment Travel: 240 millimeters

Total Number of Adjustment Positions or Detents: 25

FRONT SEAT BACK ADJUSTMENT POSITION: Place in 4th notch from full forward (0)

Seat Back Torso Angle: 8 degrees

SECOND POSITION SEAT:

Total Length of Fore/Aft Adjustment Travel: 0 millimeters

Seat Back Adjustment Position: N/A

ADJUSTABLE STEERING COLUMN POSITION: Mid tilt and telescope

WINDOW POSITIONS: Left Front: Closed Left Rear: Fixed

Right Front: Removed Right Rear: Removed

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

AMOUNT OF STODDARD SOLVENT IN FUEL TANK:

64.7 liters (Fuel Tank Usable Capacity)

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

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

Wheelbase = 2670 millimeters

Impact Point is 395 millimeters rearward of front axle centerline

(which is 940 millimeters forward of the wheelbase midpoint)

Actual Impact Point is 396 millimeters rearward of front axle centerline

DATA SHEET 2

TEST VEHICLE SUMMARY OF RESULTS

VEHICLE IDENTIFICATION:

Vehicle Year/Make/Model: 2003 Honda Accord

Body Style: 2-Door Coupe

VIN: 1HGCM71223A003279

NHTSA No.: M35303

Test Date: January 15, 2003

Overall Length = 4765 millimeters; Overall Width = 1815 millimeters

VEHICLE TEST WEIGHT (Pre-Test):

Left Front = 451.0 kg Left Rear = 357.5 kg

Right Front = 430.0 kg Right Rear = 328.0 kg

TOTAL FRONT = 881.0 kg TOTAL REAR = 685.5 kg

TOTAL VEHICLE WEIGHT 1566.5 kg

Wheelbase = 2670 millimeters

Longitudinal C.G. from Center of Front Axle = 1168.39 millimeters

Impact Angle with Respect to Impactor = 90 degrees

ACTUAL IMPACT POINT

Actual Impact Point is 1 mm Rearward of nominal impact ref. line (Lateral)

Actual Impact Point is 0 mm On the nominal impact point (Vertical)

MAXIMUM EXTERIOR STATIC CRUSH:

1. LEVEL 1 (231 mm above ground) = 98 millimeters

2. LEVEL 2 (481 mm above ground) = 310 millimeters

3. LEVEL 3 (629 mm above ground) = 309 millimeters

4. LEVEL 4 (840 mm above ground) = 280 millimeters

5. LEVEL 5 (1324 mm above ground) = 55 millimeters

Maximum Post-Test Intrusion = 310 millimeters

OCCUPANTS:

Front Passenger:

Rear Passenger:

Dummy Identification SID H3/015

SID H3/016

Restraints Used 3-Point safety belt

3-Point safety belt

INSTRUMENTATION:

Number of Vehicle Data Channels: = 25

Number of Cameras: Onboard = 3

Offboard = 8

TOTAL = 11

DATA SHEET 3

MOVING DEFORMABLE BARRIER (MDB) SUMMARY

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303

MDB FACE MANUFACTURER AND SERIAL NUMBER:

Plascore, Inc. 035C1202-3 023B1102

POSITION OF IMPACT (MDB) ON MONORAIL:

Crabbed 27° to left

MDB DETAILS:

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

MDB WEIGHT:

Left Front	=	<u>409.5</u>	kg	Left Rear	=	<u>281.5</u>	kg
Right Front	=	<u>372.5</u>	kg	Right Rear	=	<u>299.0</u>	kg
TOTAL FRONT	=	<u>782.0</u>	kg	TOTAL REAR	=	<u>580.5</u>	kg
TOTAL MDB WEIGHT	=	<u>1362.5</u>	kg				
Impact Angle (MDB C/L to Target Vehicle C/L)	=	<u>90</u>	degrees				
Impact Speed	=	<u>61.31</u>	kph				

MAXIMUM STATIC CRUSH OF HONEYCOMB IMPACT FACE:

1. Row A at Center of Bumper Level	=	<u>149</u>	millimeters
2. Row B at Top of Bumper Level	=	<u>100</u>	millimeters
3. Row C at Mid Level	=	<u>132</u>	millimeters
4. Row D at Top of Stack Level	=	<u>160</u>	millimeters

INSTRUMENTATION:

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

POST-TEST OBSERVATIONS

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303

TEST DUMMY INFORMATION AND CONTACT POINTS:

DESCRIPTION	FRONT SEAT	REAR SEAT
ATD Type/Serial No.	SID H3/015	SID H3/016
Head Contact:	The top of the head to the side header, the side of the head to the door and window sill	The side and the top of the head to the C-pillar trim
Upper Torso Contact:	Door trim panel	Interior panel trim
Lower Torso Contact:	Door trim panel	Interior panel trim
Left Knee Contact:	Door trim panel	Interior panel trim
Right Knee Contact:	Left Knee	Left knee

POST TEST DOOR OPENING AND SEAT TRACK INFORMATION

DESCRIPTION	FRONT	REAR
Left Side Doors	Closed, latched and inoperable	N/A
Right Side Doors	Closed, latched and operable without tools	N/A
Hatch/Other Door	N/A	N/A
Seat Movement (mm)	0	0
Seat Back Failure	None	None

POST TEST STRUCTURAL OBSERVATIONS

CRITICAL AREAS OF PERFORMANCE	
Pillar Performance	The A- and B-pillars were moved inboard during the event with no visible tears or separations
Sill Separation	No visible tears or separations were present
Windshield Damage	None
Window Damage	Side glass shattered during the event
Other Notable Effects	Rear windscreen shattered during the event

AIR BAG DEPLOYMENT STATUS:

	DRIVER	FRONT PASSENGER	REAR PASSENGER
Front Air Bag	No	No	N/A
Knee Bolster Bag	N/A	N/A	N/A
Side Air Bag	N/A	N/A	N/A
Side Curtain Bag	N/A	N/A	N/A

MDB LEFT EDGE IMPACT DATA

Measured Parameter	Units	Requirement	Value
Horizontal Offset	mm	? 50 mm	1
Vertical Offset	mm	? 20 mm	0

SECTION 4

OCCUPANT AND VEHICLE INFORMATION

DATA SHEET 5

SID H3 INSTRUMENTATION DATA

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303

		Front Dummy ID# 015				Rear Dummy ID# 016			
		Pos. Direction		Neg. Direction		Pos. Direction		Neg. Direction	
		Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)
HEAD ACCELERATIONS:									
Longitudinal	X	1.4	120.5	-37.7	74.3	7.4	94.7	-17.4	56.6
Lateral	Y	69.3	74.4	-6.4	33.9	138.2	50.8	-18.6	75.6
Vertical	Z	55.0	56.1	-3.8	74.4	15.0	48.5	-24.5	64.2
Resultant	R	79.0	74.4	0.0	1.0	138.6	50.8	0.0	-1.0
HIC		697.6				925.0			
NECK FORCES:									
Longitudinal	X	47.6	122.1	-671.6	68.7	265.1	64.0	-159.4	95.4
Lateral	Y	740.4	54.8	-275.3	33.5	194.7	134.8	-1321.2	57.5
Vertical	Z	2177.7	56.2	-10.4	11.2	485.9	109.1	-999.4	67.9
Resultant	R	2344.2	56.3	0.1	-19.0	1576.1	65.0	0.1	-11.4
NECK MOMENTS:									
X		86.2	73.6	-66.0	46.0	16.3	141.9	-58.2	72.1
Y		**	**	**	**	11.7	128.1	-9.3	197.5
Z		14.3	69.6	-10.7	40.7	8.6	108.7	-22.2	72.6
Resultant	R	**	**	**	**	62.4	72.2	0.0	-12.8
RIB ACCELERATIONS:									
Upper Rib Lateral	Y	48.3	33.1	-16.8	71.9	47.1	46.9	-12.4	112.5
Upper Rib Lateral	Y(R)	49.4	33.1	-17.0	71.9	47.2	57.5	-13.0	112.5
Lower Rib Lateral	Y	51.3	35.6	-9.2	93.2	48.6	51.9	-15.5	112.5
Lower Rib Lateral	Y(R)	51.1	35.6	-9.1	93.7	48.3	51.9	-16.0	112.5
SPINE ACCELERATIONS:									
Lower Lateral	Y	59.8	35.0	-10.7	95.0	54.6	50.0	-10.5	76.9
Lower Lateral	Y(R)	59.6	35.0	-10.7	94.4	54.0	50.0	-10.3	77.5
PELVIC ACCELERATIONS:									
Lateral	Y	56.5	30.6	-8.2	108.2	45.1	41.3	-4.0	112.5
Lateral	Y(R)	57.5	30.6	-8.3	112.5	44.3	41.3	-3.8	112.5

REFERENCE: Positive Direction: Longitudinal (X) = forward; Lateral (Y) = to right; Vertical (Z) = down

Note: Rib, Spine and Pelvis data has been FIR filtered, Y(R) denotes redundant Y direction accelerometer.

Head Accelerations and Neck Forces are filtered at SAE Class 1000, Neck Moments are filtered at SAE Class 600.

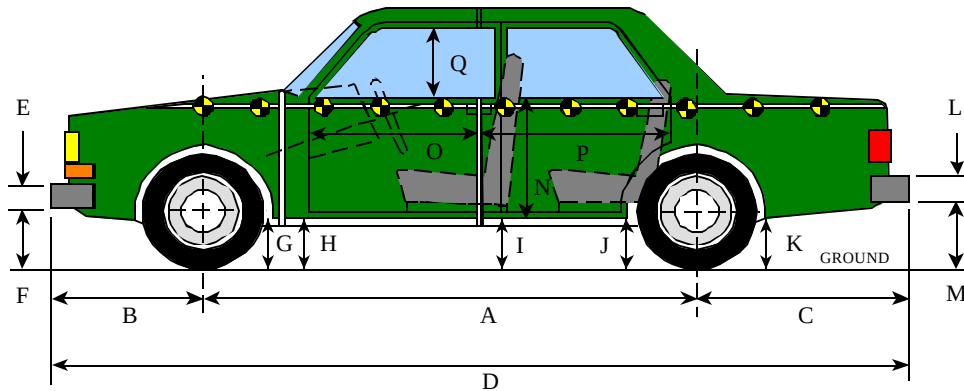
** Data is questionable

DATA SHEET 6

VEHICLE SIDE MEASUREMENTS

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



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)	? CHANGE
A	2670	2670	2640	-30
B	995	-	1035	40
C	1100	-	1090	-10
D	4765	-	4765	0
E	230	-	230	0
F	430	428	442	14
G	198	174	192	18
H	196	177	217	40
I	203	177	185	8
J1	205	178	193	15
J2	204	177	204	27
K	277	239	246	7
L	340	-	340	0
M	330	289	319	30
N	717	-	640	-77
O	794	-	784	-10
P	603	-	590	-13
Q	406	-	403	-3
R	4650	-	4650	0
S	4650	-	4620	-30
T	1815	-	1710	-105

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

E&L = Bumper Thickness
J1 = To Pinch Weld

R = Right Side Length
J2 = To Sill

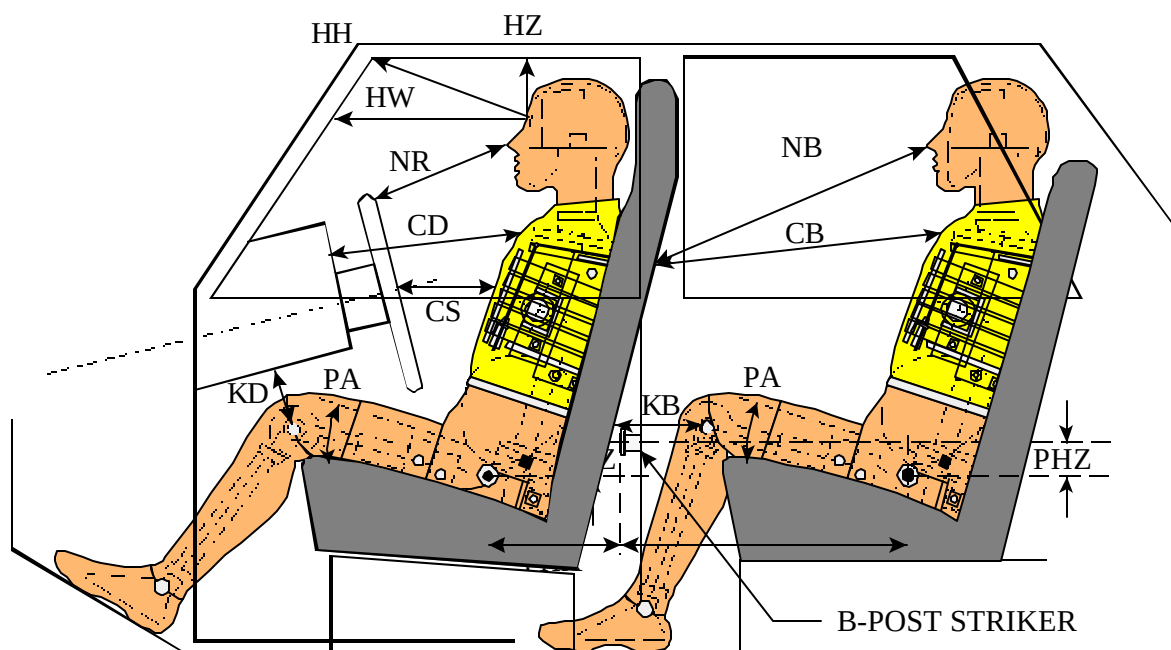
S = Left Side Length

DATA SHEET 7

SID H3 LONGITUDINAL CLEARANCE DIMENSIONS

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



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# 015	LEFT REAR PASS. ID# 016
HH	372	N/A
HW	618	N/A
HZ	153	125
NR/NB	431	552
CD/CB	533	453
CS	311	N/A
KDL(KDA°)/KBL(KDA°)	217 / (25 °)	152 / (29 °)
KDR(KBA°)/KBR(KBA°)	183 / (32 °)	125 / (29 °)
PA°	23.6°	24.6°
PHX	408	-467
PHZ	155	131

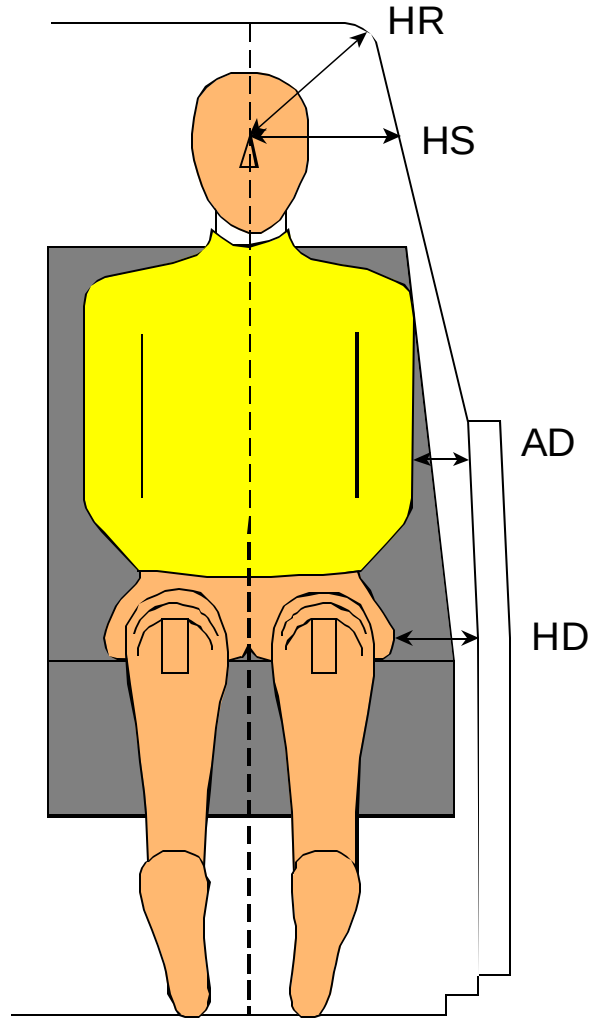
Note: 2-door vehicle shown. Rear dummy PHX & PHZ measurements for 4-door vehicle would use the C-post striker as a reference point.

DATA SHEET 8

SID H3 LATERAL CLEARANCE DIMENSIONS

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



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

	DRIVER ID # 015		LEFT REAR PASS. ID # 016	
HR	185		185	
HS	292		235	
AD*	LOWER: 132	UPPER: 110	LOWER: 106	UPPER: 100
HD	145		117	

* Lower measurement is taken laterally at the center of the lower rib accelerometer height from the SID H3 arm segment to the closest part of the vehicle side.

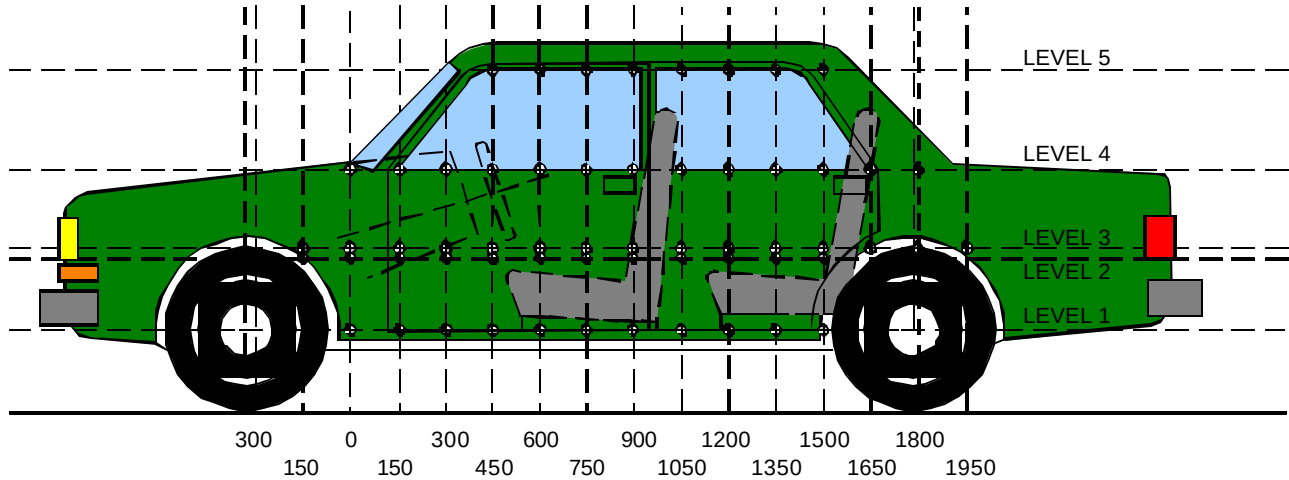
Upper measurement is taken laterally at the center of the upper rib accelerometer height from the SID H3 arm segment to the closest part of the vehicle side.

DATA SHEET 9

VEHICLE SIDE MEASUREMENTS

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



LEFT SIDE VIEW

NOTE: All measurements are in millimeters (mm)

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

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

Measurements Along the Vertical 750 mm Line Shown Above:

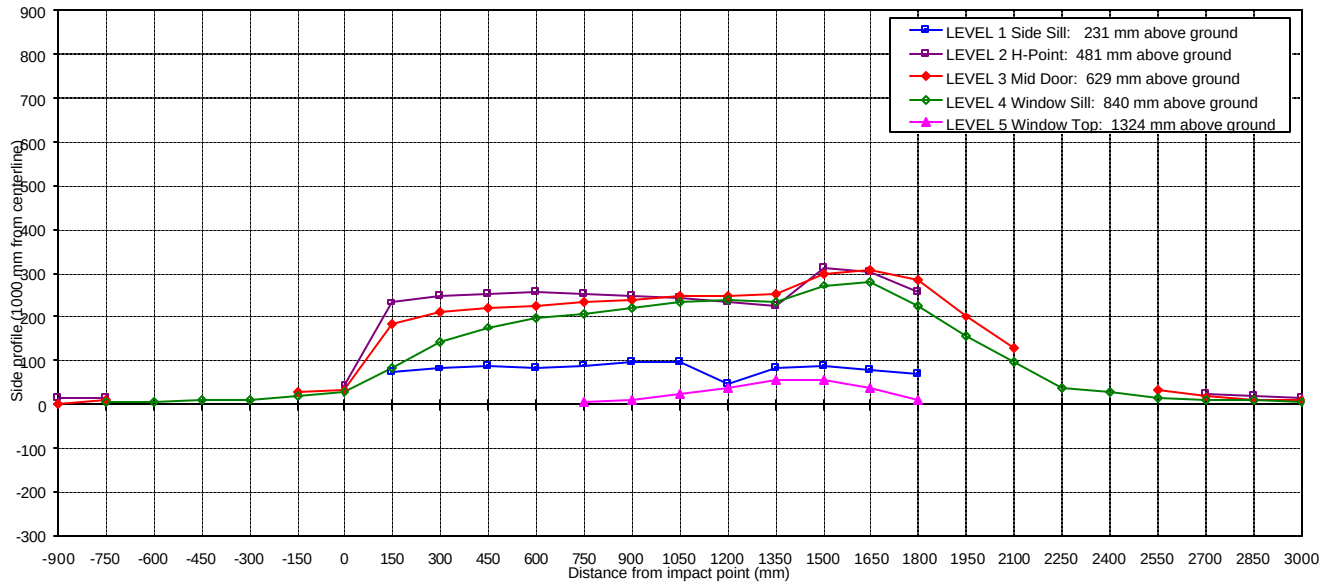
Level 5 @ Window Top	=	<u>1324</u>	millimeters
Level 4 @ Window Sill	=	<u>840</u>	millimeters
Level 3 @ Mid Door	=	<u>629</u>	millimeters
Level 2 @ Occupant H-Point	=	<u>481</u>	millimeters
Level 1 @ Axle Centerline Height (or Sill Top Height)	=	<u>231</u>	millimeters

DATA SHEET 10

VEHICLE EXTERIOR CRUSH PROFILES - ALL LEVELS

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



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

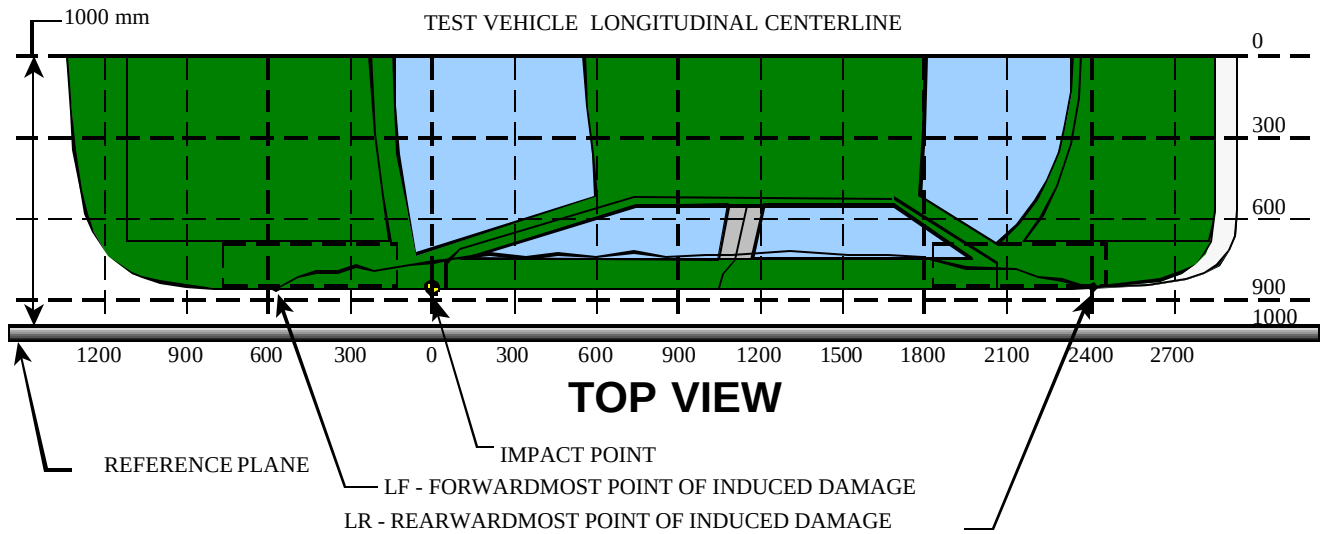
			DISTANCE IN MILLIMETERS (mm) FROM IMPACT POINT																											
LEVEL	HEIGHT (mm)		-900	-750	-600	-450	-300	-150	0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	
LEVEL 1 SIDE SILL	231	PRE	-	-	--	--	-	-	--	155	156	153	155	155	151	151	154	153	157	154	153	--	--	-	-	--	--	-	-	
		POST	-	-	--	--	-	-	--	229	237	239	240	245	249	247	202	238	245	234	222	--	--	-	-	--	--	-	-	
		CRUSH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	74	81	86	85	90	98	96	48	85	88	80	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
LEVEL 2 H POINT	481	PRE	159	133	--	--	-	-	119	119	118	118	116	117	116	115	116	115	118	119	120	--	--	-	-	--	135	153	177	
		POST	175	148	--	--	-	-	159	351	367	371	371	369	363	357	349	340	428	422	376	--	--	-	-	--	159	174	192	
		CRUSH	16	15	N/A	N/A	N/A	N/A	40	232	249	253	255	252	247	242	233	225	310	303	256	N/A	N/A	N/A	N/A	N/A	24	21	15	
LEVEL 3 MID DOOR	629	PRE	201	147	--	--	-	112	114	114	112	112	113	109	111	108	110	108	110	113	111	111	112	-	-	119	145	169	208	
		POST	203	156	129	--	-	140	148	299	323	331	339	344	348	354	356	361	408	422	394	311	240	-	-	153	162	180	217	
		CRUSH	2	9	N/A	N/A	N/A	28	34	185	211	219	226	235	237	246	246	253	298	309	283	200	128	N/A	N/A	34	17	11	9	
LEVEL 4 WINDOW SILL	840	PRE	-	388	302	247	214	196	182	172	167	159	154	152	148	145	144	142	141	142	144	146	150	156	164	176	190	210	240	
		POST	-	393	308	258	224	214	211	255	309	336	352	360	369	379	384	378	414	422	367	304	246	193	192	190	200	220	246	
		CRUSH	N/A	5	6	11	10	18	29	83	142	177	198	208	221	234	240	236	273	280	223	158	96	37	28	14	10	10	6	
LEVEL 5 WINDOW TOP	1324	PRE	-	-	--	--	-	-	--	--	-	-	--	562	431	420	417	422	428	446	500	--	--	-	-	--	--	-	-	
		POST	-	-	--	--	-	-	--	--	-	-	--	566	440	444	456	476	483	483	508	--	--	-	-	--	--	-	-	
		CRUSH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	9	24	39	54	55	37	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

DATA SHEET 11

VEHICLE DAMAGE PROFILE DISTANCES

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



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

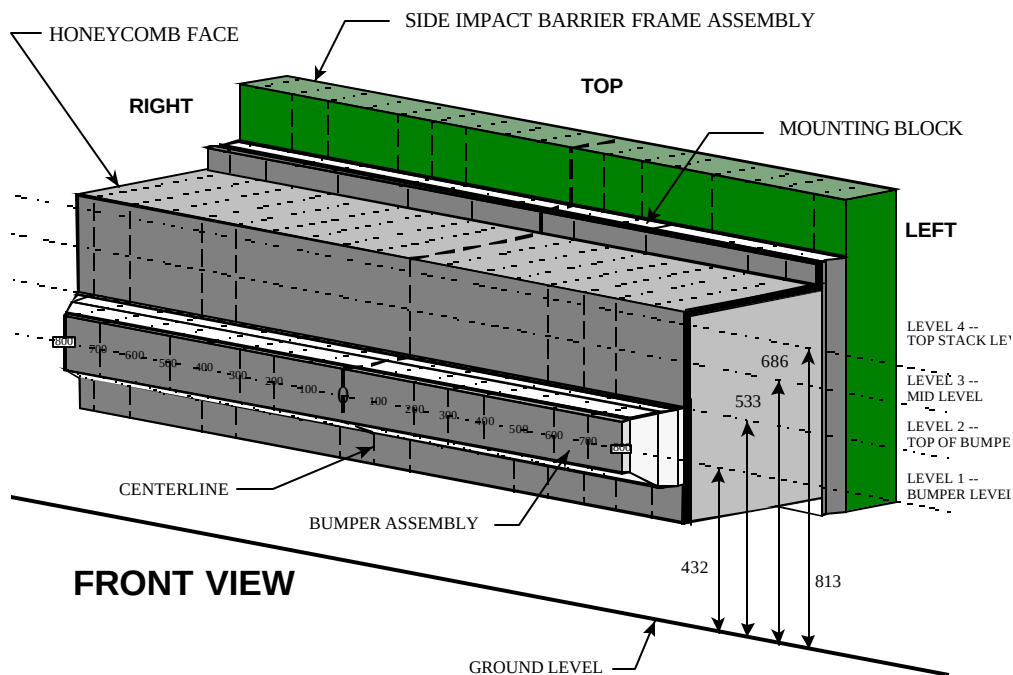
DPD MEASUREMENTS		POST TEST (mm)	PRETEST (mm)	STATIC CRUSH (mm)
1	(LR = <u>2600</u> mm)	156	128	28
2	2020	278	111	167
3	1440	393	117	276
4	860	365	116	249
5	280	365	118	247
6	(LF = <u>-300</u> mm)	224	214	10

DATA SHEET 12

EXTERIOR STATIC CRUSH FOR IMPACTOR FACE

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



NOTE: Dimensions are shown in millimeters, mm

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

			DISTANCE RIGHT OF CENTER (mm)											DISTANCE LEFT OF CENTER (mm)							
LEVEL	HEIGHT AT CL (mm)*		800	700	600	500	400	300	200	100	0	100	200	300	400	500	600	700	800		
LEVEL 4 TOP STACK	813	PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619		
		POST	697	654	630	648	661	640	640	643	647	651	658	666	673	684	703	732	779		
		CRUSH	78	35	11	29	42	21	21	24	28	32	39	47	54	65	84	113	160		
LEVEL 3 MID LEVEL	686	PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619		
		POST	678	636	640	665	664	654	644	638	637	639	641	646	655	661	675	703	751		
		CRUSH	59	17	21	46	45	35	25	19	18	20	22	27	36	42	56	84	132		
LEVEL 2 TOP BUMPER	533	PRE	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619	619		
		POST	693	692	690	689	685	683	684	681	682	683	683	682	684	685	690	697	719		
		CRUSH	74	73	71	70	66	64	65	62	63	64	64	63	65	66	71	78	100		
LEVEL 1 MID BUMPER	432	PRE	535	519	518	518	518	518	518	518	518	518	518	518	518	518	518	519	535		
		POST	684	667	664	665	659	653	648	646	642	643	642	640	640	644	651	661	681		
		CRUSH	149	148	146	147	141	135	130	128	124	125	124	122	122	126	133	142	146		

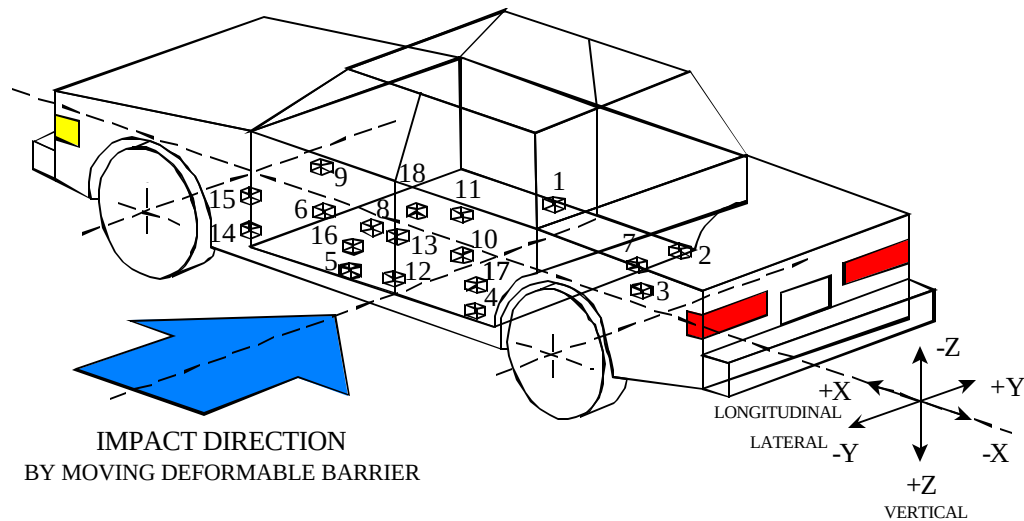
*Heights measured above ground level.

DATA SHEET 13

TEST VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



- 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: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303

Accel. No.	Location	Coordinates (mm)±3 mm				Long. (x)		Lat. (y)		Vert. (z)		Resultant	
						Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)
		X*	Y*	Z*									
1	Right Side Sill at Front Seat	3058	692	-302	pos.	3.9	61.8	19.8	18.5	6.0	44.6	21.6	18.5
					neg.	-6.8	18.5	-2.6	155.9	-7.9	7.7	0.0	-16.6
2	Right Side Sill at Rear Seat	2328	672	-336	pos.	3.9	62.8	24.4	8.1	9.3	29.8	24.8	8.0
					neg.	-4.9	17.9	-2.2	155.9	-10.5	19.8	0.0	-12.4
3	Rear Floorpan Above Axle	1284	65	-538	pos.	3.6	105.7	26.3	25.9	4.5	20.3	27.1	25.8
					neg.	-10.3	21.1	-3.4	102.4	-6.3	24.4	0.0	-10.4
4	Left Side Sill at Rear Seat	2087	-627	-257	pos.	-	-	62.6	5.4	-	-	-	-
					neg.	-	-	-24.7	22.3	-	-	-	-
5	Left Side Sill at Front Seat	3100	-635	-289	pos.	-	-	***	***	-	-	-	-
					neg.	-	-	***	***	-	-	-	-
6	Left Front Door on Centerline	2560	-751	-663	pos.	-	-	250.9	7.4	-	-	-	-
					neg.	-	-	-157.7	15.6	-	-	-	-
7	Right Rear Occupant Compartment	2056	424	-219	pos.	-	-	22.5	8.3	-	-	-	-
					neg.	-	-	-2.0	155.0	-	-	-	-
8	Midrear of Left Front Door	2266	-734	-748	pos.	-	-	220.5	5.4	-	-	-	-
					neg.	-	-	-122.2	11.1	-	-	-	-
9	Left Front Door Upper Centerline	2607	-705	-850	pos.	-	-	203.5	16.9	-	-	-	-
					neg.	-	-	-149.0	23.5	-	-	-	-
10	Midrear of Left Rear Door	1569	-690	-692	Pos.			110.2	18.9				
					neg.	-	-	-282.7	36.8	-	-	-	-
11	Left Rear Door Upper Centerline	1784	-663	-808	pos.	-	-	118.0	7.8	-	-	-	-
					neg.	-	-	-154.4	41.5	-	-	-	-

*Reference: X - Rear Bumper (+ Forward)

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

*** Transducer failed

4-11

8652-SNCAp-08

DATA SHEET 13 (continued)

VEHICLE ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303

Accel. No.	Location	Coordinates (mm)±3 mm				Long. (x)		Lat. (y)		Vert. (z)		Resultant	
						Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)	Max (g)	Time (msec)
		X*	Y*	Z*									
12	Left Lower B-Pillar	2032	-695	-696	pos.	-	-	224.8	5.8	-	-	-	-
					neg.	-	-	-129.7	28.5	-	-	-	-
13	Left Middle B-Pillar	1990	-672	-904	pos.	-	-	182.0	7.5	-	-	-	-
					neg.	-	-	-106.6	44.9	-	-	-	-
14	Left Lower A-Pillar	3303	-620	-462	pos.	-	-	98.5	19.0	-	-	-	-
					neg.	-	-	-96.3	14.8	-	-	-	-
15	Left Middle A-Pillar	3210	-641	-975	pos.	-	-	19.9	47.9	-	-	-	-
					neg.	-	-	-3.5	36.1	-	-	-	-
16	Front Seat Track	2265	-556	-202	pos.	-	-	***	***	-	-	-	-
					neg.	-	-	***	***	-	-	-	-
17	Rear Seat Track	-	-	-	pos.	-	-	-	-	-	-	-	-
					neg.	-	-	-	-	-	-	-	-
18	Vehicle CG	2615	59	-389	pos.	7.4	68.1	56.2	27.0	22.0	31.2	65.7	27.0
					neg.	-13.9	31.8	-59.1	32.4	-33.4	27.0	0.0	-15.2

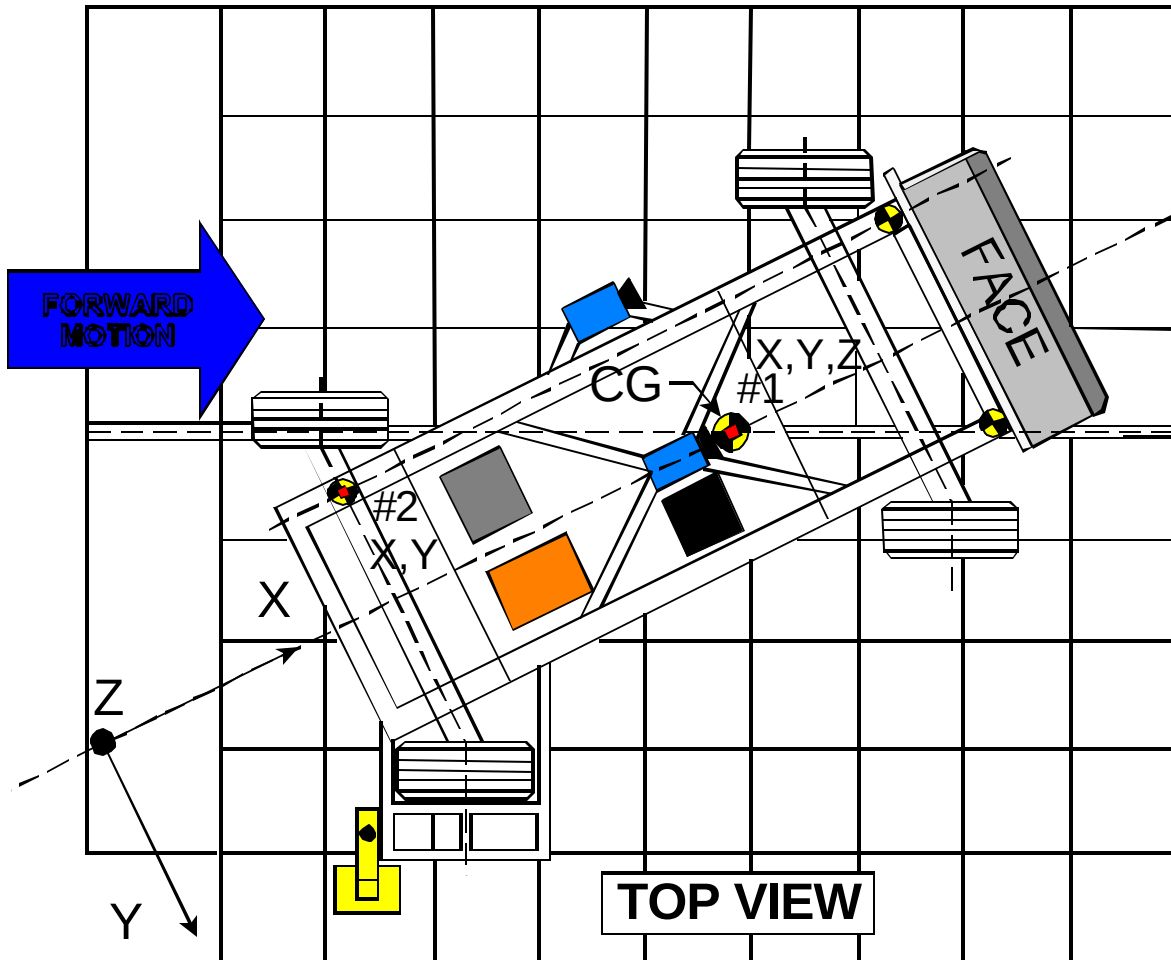
*Reference: X - Rear Bumper (+ Forward) Y - Vehicle Centerline (+ To Right) Z - Ground Level (+ Down) *** Transducer failed

DATA SHEET 14

MDB ACCELEROMETER LOCATIONS AND DATA SUMMARY

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



Accel. No.	Location	Coordinates (millimeters)			Pos. Direct.		Neg. Direct.	
					Max (g)	Time (msec)	Max (g)	Time (msec)
		X*	Y*	Z*				
1	MDB Center of Gravity							
	Longitudinal... X	1859	0	-330	1.4	114.0	-19.6	39.1
	Lateral..... Y				2.0	67.6	-8.6	33.1
	Vertical..... Z				17.8	60.4	-15.7	77.2
	Resultant..... R				22.9	43.9	0.1	-1.5
2	Rear Frame Member							
	Longitudinal... X	386	-660	-660	2.1	90.5	-21.8	48.4
	Lateral..... Y				4.0	29.9	-2.0	62.4

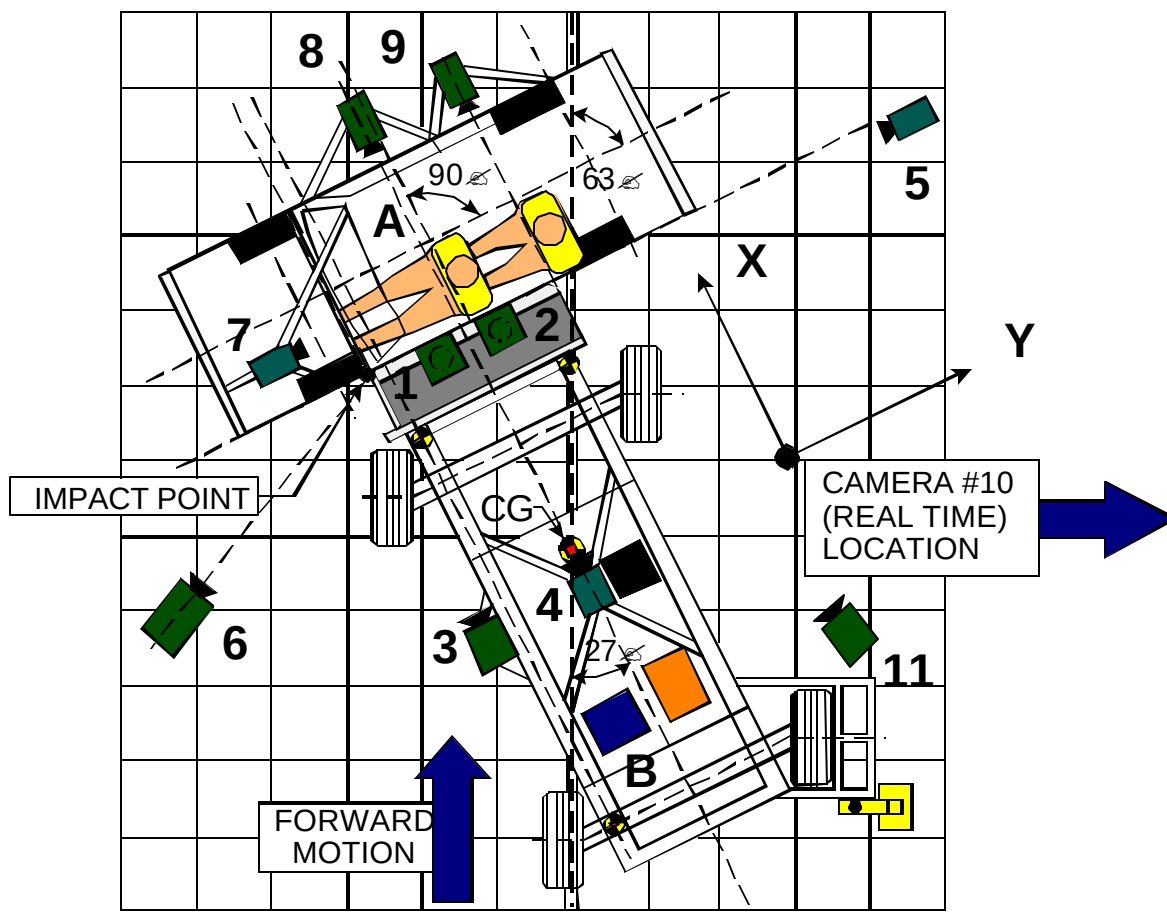
*Reference: X = Rear Bumper (+ Forward)
Y = Vehicle Centerline (+ To Right)
Z = Ground Level (+ Down)
All measurements accurate to within ± 3 mm.

DATA SHEET 15

HIGH SPEED CAMERA LOCATIONS AND DATA SUMMARY

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No. M35303



Camera No.	View	Coordinates (millimeters)			Angle (deg.)	Lens (mm)	Film Speed (fps)
		X*	Y*	Z*			
1	Overhead view of test vehicle	331	905	-4880	-90	8	1010
2	Overhead closeup view of impact plane	12	744	-4880	-90	12.5	1020
3	MDB onboard closeup view of impact point	-1470	0	-847	0	13	1035
4	MDB onboard view of driver dummy	-1140	838	-1586	-17	7.5	1030
5	Right side ground level overall view	-79	9036	-1085	-4	25	1005
6	Left side ground level overall view	1993	-1662	-1073	-8	13	1020
7	Test vehicle onboard driver front view	507	-484	-1272	-9	13	1010
8	Test vehicle onboard driver side view	1682	898	-1042	-11	8	1005
9	Test vehicle onboard passenger side view	1748	1738	-1071	-5	8	1005
10	Real time film coverage of test	-	-	-	-	-	24
11	Secondary impact point view	3990	3123	-1071	-4	25	1000

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

X = (Impact Point) + Forward

Y = (Impact Point) + To Right

Z = (Ground Level) + Down

SECTION 5

FUEL SYSTEM INTEGRITY

DATA SHEET 16

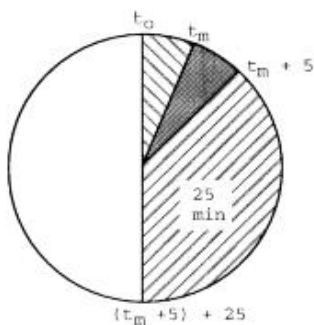
FMVSS 301 FUEL SYSTEM INTEGRITY DATA

NHTSA No.: M35303 TEST DATE: January 15, 2003
Vehicle Mfgr./Make/Model: Honda of America Mfg. Inc. 2003 Honda Accord 2-Door Coupe

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 (62.0 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:

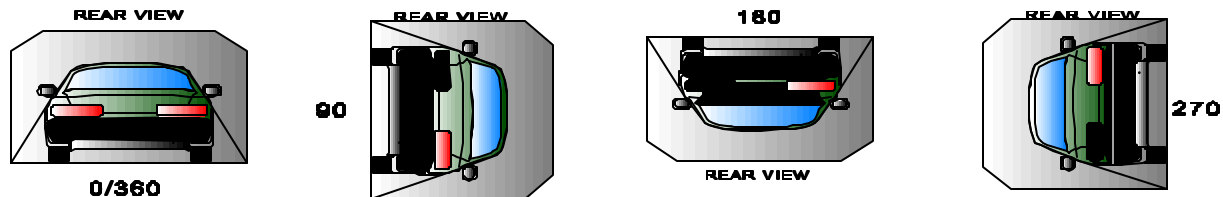
None

DATA SHEET 17

ROLLOVER DATA

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No.: M35303



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	17	seconds	5	minutes	6	minutes	17	seconds	7	minutes
90° - 180°	1	minutes	19	seconds	5	minutes	6	minutes	19	seconds	7	minutes
180°-270°	1	minutes	02	seconds	5	minutes	6	minutes	2	seconds	7	minutes
270°-360°	1	minutes	11	seconds	5	minutes	6	minutes	11	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	NA
90° - 180°	0	0	0	NA
180°-270°	0	0	0	NA
270°-360°	0	0	0	NA

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

SECTION 6

STRUCTURAL SURVEY MEASUREMENTS

DATA SHEET 18

TARGET VEHICLE STRUCTURAL MEASUREMENTS

Vehicle: 2003 Honda Accord 2-Door Coupe

NHTSA No.: M35303

	Elements	Pre-Test (mm)
1	Total length	4765
2	Total Width	1815
3	Bumper Top Height	528
4	Bumper Bottom Height	430
5	Longitudinal Member Top Height	540
6	Distance Between Longitudinal Members	1125
7	Longitudinal Member Width	85
8	Engine top height	840
9	Engine bottom height	195
10	Engine and gearbox width	858
11	Front bumper-engine distance	520
12	Front shock absorber fixing height	838
13	Bonnet leading edge height	660
14	Front shock absorber fixing width	970
15	Front bumper – front axle distance	995
16	Front axle – a pillar distance	450
17	A-pillar – B pillar distance	1375
18	B-pillar – rear axle distance	844
19	B-pillar – C Pillar distance	-
20	Roof sill bottom height	1260
21	Roof sill top height	1380
22	Floor sill bottom height	205
23	Floor sill top height	385

APPENDIX A

PHOTOGRAPHS

TABLE OF PHOTOGRAPHS

<u>Figure</u>	<u>Photograph Title</u>	<u>Page</u>
Figure A- 1	PRE-TEST FRONTAL VIEW OF TEST VEHICLE	A- 3
Figure A- 2	POST-TEST FRONTAL VIEW OF TEST VEHICLE	A- 4
Figure A- 3	PRE-TEST REAR VIEW OF TEST VEHICLE	A- 5
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Figure A- 6	POST-TEST IMPACTED SIDE VIEW OF TEST VEHICLE	A- 8
Figure A- 7	PRE-TEST LEFT FRONT VIEW OF TEST VEHICLE	A- 9
Figure A- 8	POST-TEST LEFT FRONT VIEW OF TEST VEHICLE	A- 10
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Figure A- 10	POST-TEST LEFT REAR VIEW OF TEST VEHICLE	A- 12
Figure A- 11	PRE-TEST RIGHT FRONT VIEW OF TEST VEHICLE	A- 13
Figure A- 12	POST-TEST RIGHT FRONT VIEW OF TEST VEHICLE	A- 14
Figure A- 13	PRE-TEST RIGHT REAR VIEW OF TEST VEHICLE	A- 15
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Figure A- 29	PRE-TEST LEFT OCCUPANT COMPARTMENT VIEW OF FRONT SID H3	A- 31
Figure A- 30	POST-TEST LEFT OCCUPANT COMPARTMENT VIEW OF FRONT SID H3	A- 32
Figure A- 31	PRE-TEST LEFT OCCUPANT COMPARTMENT VIEW OF REAR SID H3	A- 33
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Figure A- 33	PRE-TEST INTERIOR OF FRONT DOOR	A- 35
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Figure A- 37	PRE-TEST LEFT SIDE VIEW OF MDB WITH IMPACTOR FACE IN POSITION	A- 39
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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 LEFT FRONT VIEW OF TEST VEHICLE



Figure A-8 POST-TEST LEFT FRONT VIEW OF TEST VEHICLE



Figure A-9 PRE-TEST LEFT REAR VIEW OF TEST VEHICLE



Figure A-10 POST-TEST LEFT REAR VIEW OF TEST VEHICLE



Figure A-11 PRE-TEST RIGHT FRONT VIEW OF TEST VEHICLE



Figure A-12 POST-TEST RIGHT FRONT VIEW OF TEST VEHICLE



Figure A-13 PRE-TEST RIGHT REAR VIEW OF TEST VEHICLE



Figure A-14 POST-TEST RIGHT REAR VIEW OF TEST VEHICLE



Figure A-15 PRE-TEST FRONTAL VIEW OF IMPACTOR FACE



Figure A-16 POST-TEST FRONTAL VIEW OF IMPACTOR FACE

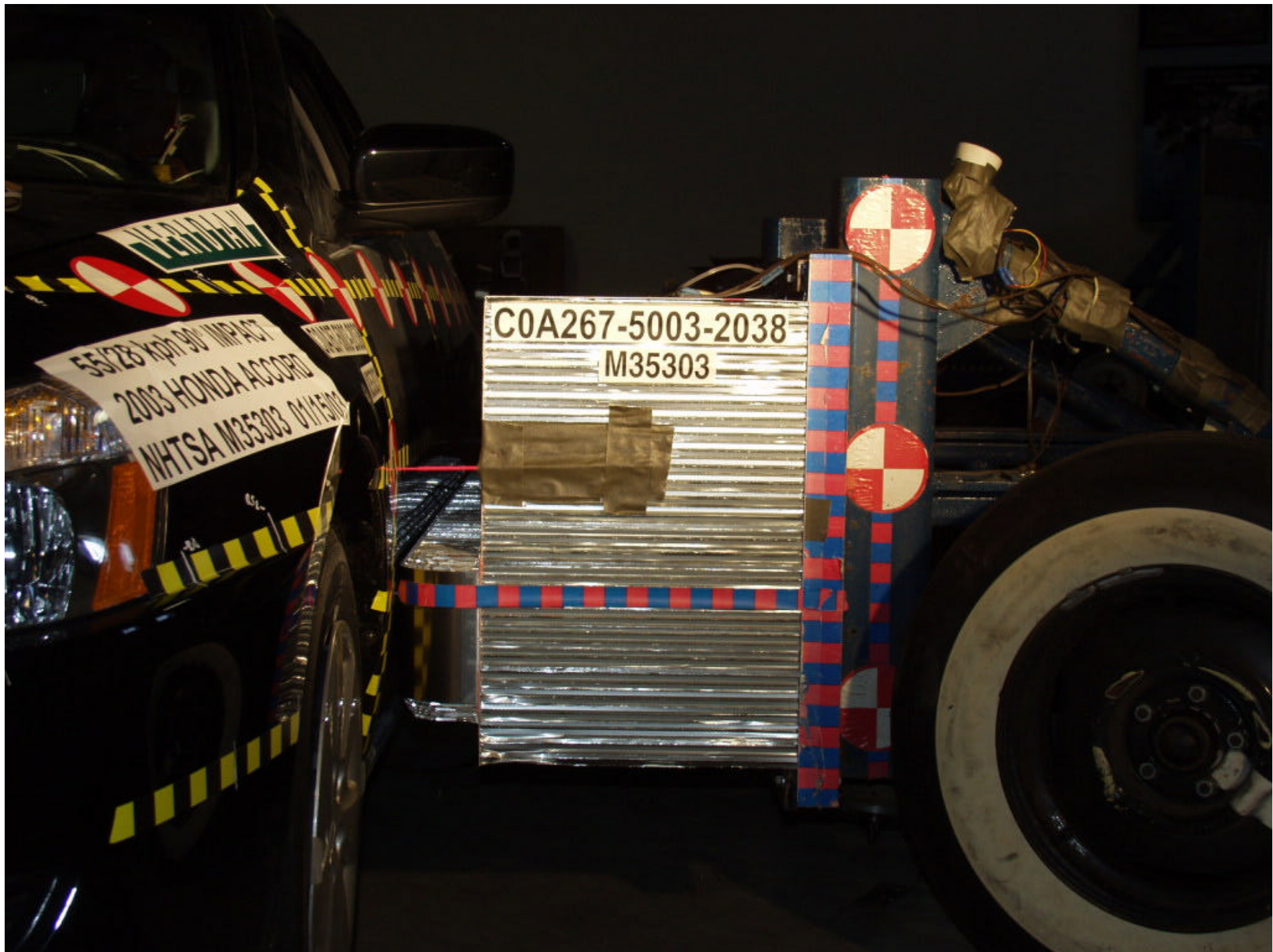


Figure A-17 PRE-TEST LEFT SIDE VIEW OF IMPACTOR FACE



Figure A-18 POST-TEST LEFT SIDE VIEW OF IMPACTOR FACE



Figure A-19 PRE-TEST RIGHT SIDE VIEW OF IMPACTOR FACE

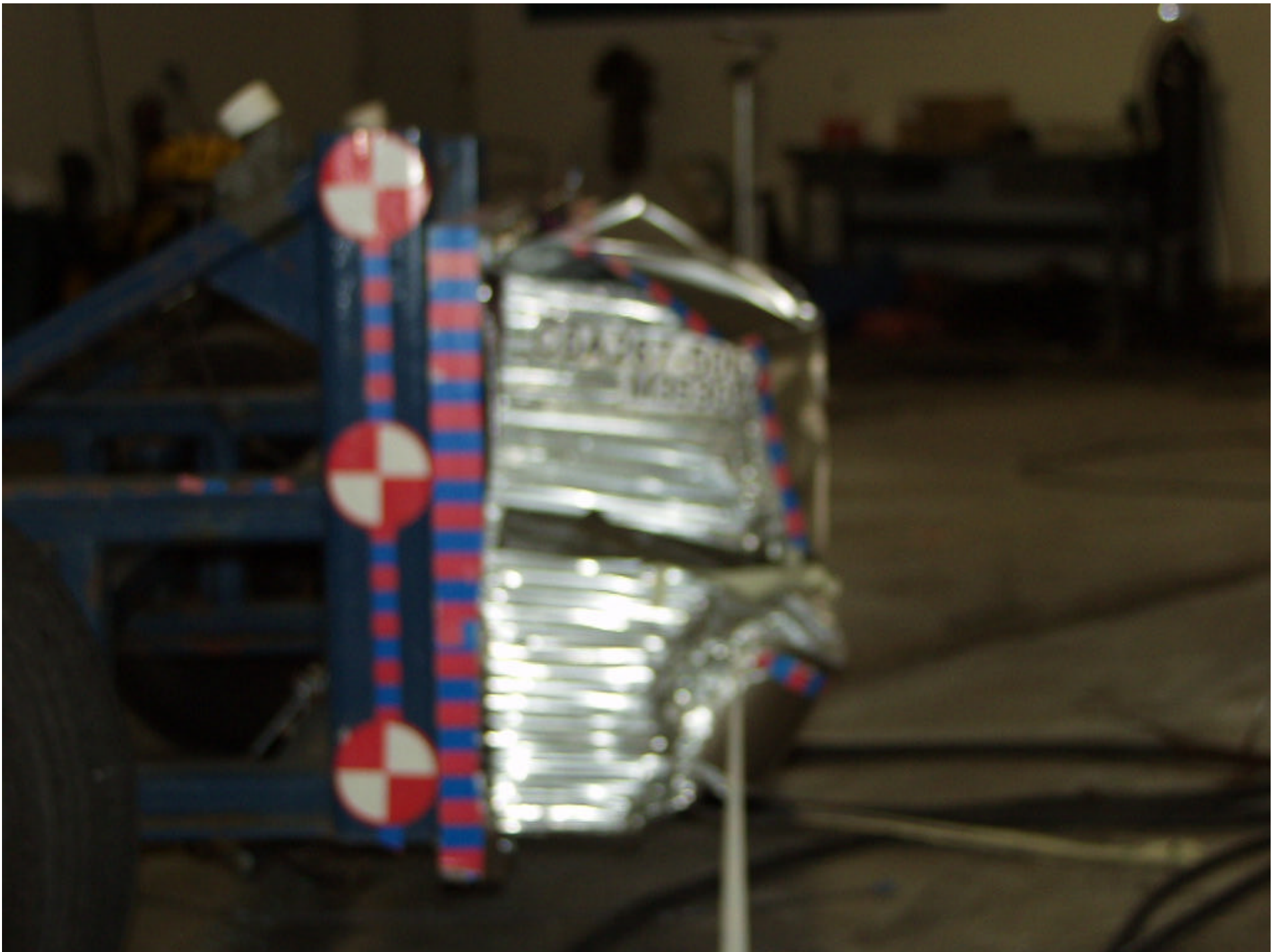


Figure A-20 POST-TEST RIGHT SIDE VIEW OF IMPACTOR FACE

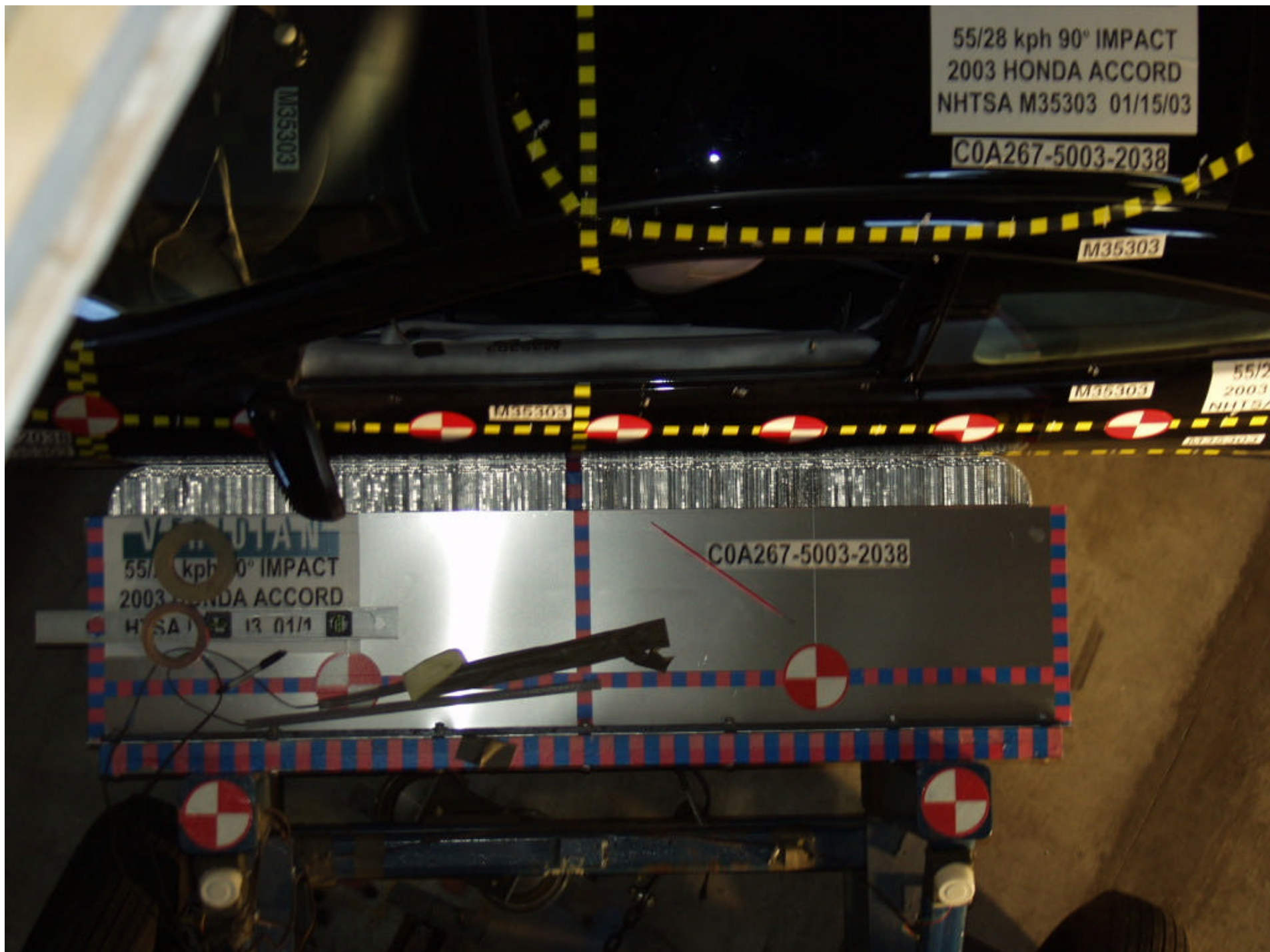


Figure A-21 PRE-TEST TOP VIEW OF IMPACTOR FACE



Figure A-22 POST-TEST TOP VIEW OF IMPACTOR FACE

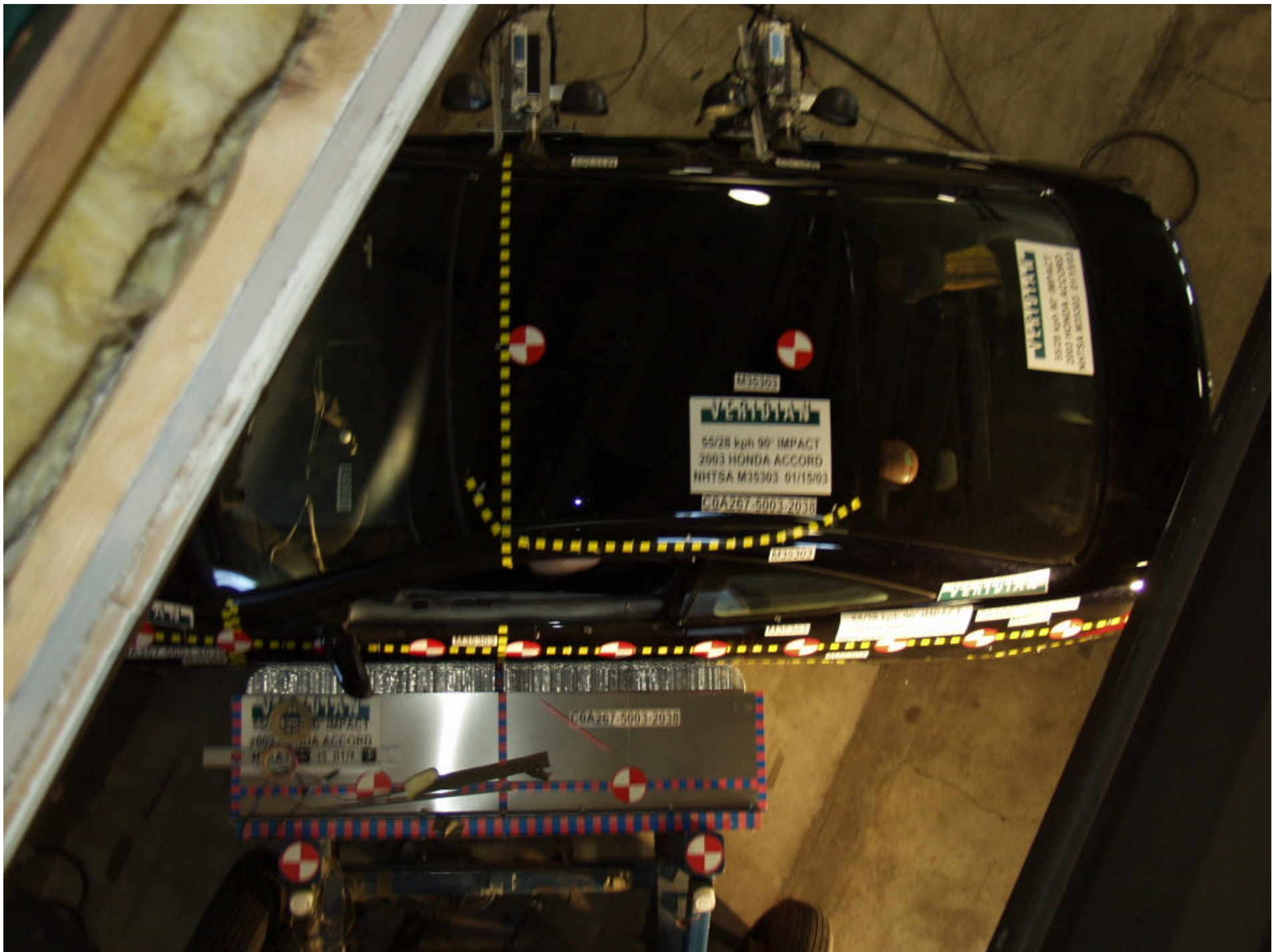


Figure A-23 PRE-TEST OVERHEAD VIEW OF ALIGNED MDB AND VEHICLE



Figure A-24 POST-TEST OVERHEAD VIEW OF MDB AND VEHICLE



A-27

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Figure A-25 PRE-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF FRONT SID HIII



Figure A-26 POST-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF FRONT SID HIII



Figure A-27 PRE-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF REAR SID HIII



Figure A-28 POST-TEST RIGHT OCCUPANT COMPARTMENT VIEW OF REAR SID HIII



Figure A-29 PRE-TEST LEFT OCCUPANT COMPARTMENT VIEW OF FRONT SID HIII



Figure A-30 POST-TEST LEFT OCCUPANT COMPARTMENT VIEW OF FRONT SID HIII



Figure A-31 PRE-TEST LEFT OCCUPANT COMPARTMENT VIEW OF REAR SID



Figure A-32 POST-TEST LEFT OCCUPANT COMPARTMENT VIEW OF REAR SID HIII



Figure A-33 PRE-TEST INTERIOR OF FRONT DOOR



Figure A-34 POST-TEST INTERIOR OF FRONT DOOR SHOWING SID HIII IMPACT LOCATIONS



Figure A-35 PRE-TEST INTERIOR OF REAR DOOR



Figure A-36 POST-TEST INTERIOR OF REAR DOOR SHOWING SID HIII IMPACT LOCATIONS



Figure A-37 PRE-TEST LEFT SIDE VIEW OF MDB WITH IMPACTOR FACE IN POSITION



Figure A-38 PRE-TEST RIGHT SIDE VIEW OF MDB WITH IMPACTOR FACE IN POSITION



Figure A-39 POST-TEST CLOSE-UP VIEW OF IMPACT POINT TARGET



Figure A-40 CLOSE-UP VIEW OF VEHICLE'S CERTIFICATION LABEL

TIRE INFORMATION

VEHICLE CAPACITY WEIGHT		SEATING CAPACITY	
850 LBS (385KG)		TOTAL 5 FRONT 2 REAR 3	
RECOMMENDED TIRE SIZE	COLD TIRE INFLATION PRESSURE		SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
P205/65R15 92H	FRONT	210KPA, 30PSI	
	REAR	200KPA, 29PSI	
COMPACT SPARE TIRE	UP TO VEHICLE CAPACITY WEIGHT		
T135/90D15 100M	420KPA, 60PSI		

42762-SDA-A110

Figure A-41 CLOSE-UP VIEW OF VEHICLE'S TIRE PLACARD LABEL



Figure A-42 IMPACT PHOTO



Figure A-43 ROLLOVER 90 DEGREES



Figure A-44 ROLLOVER 180 DEGREES

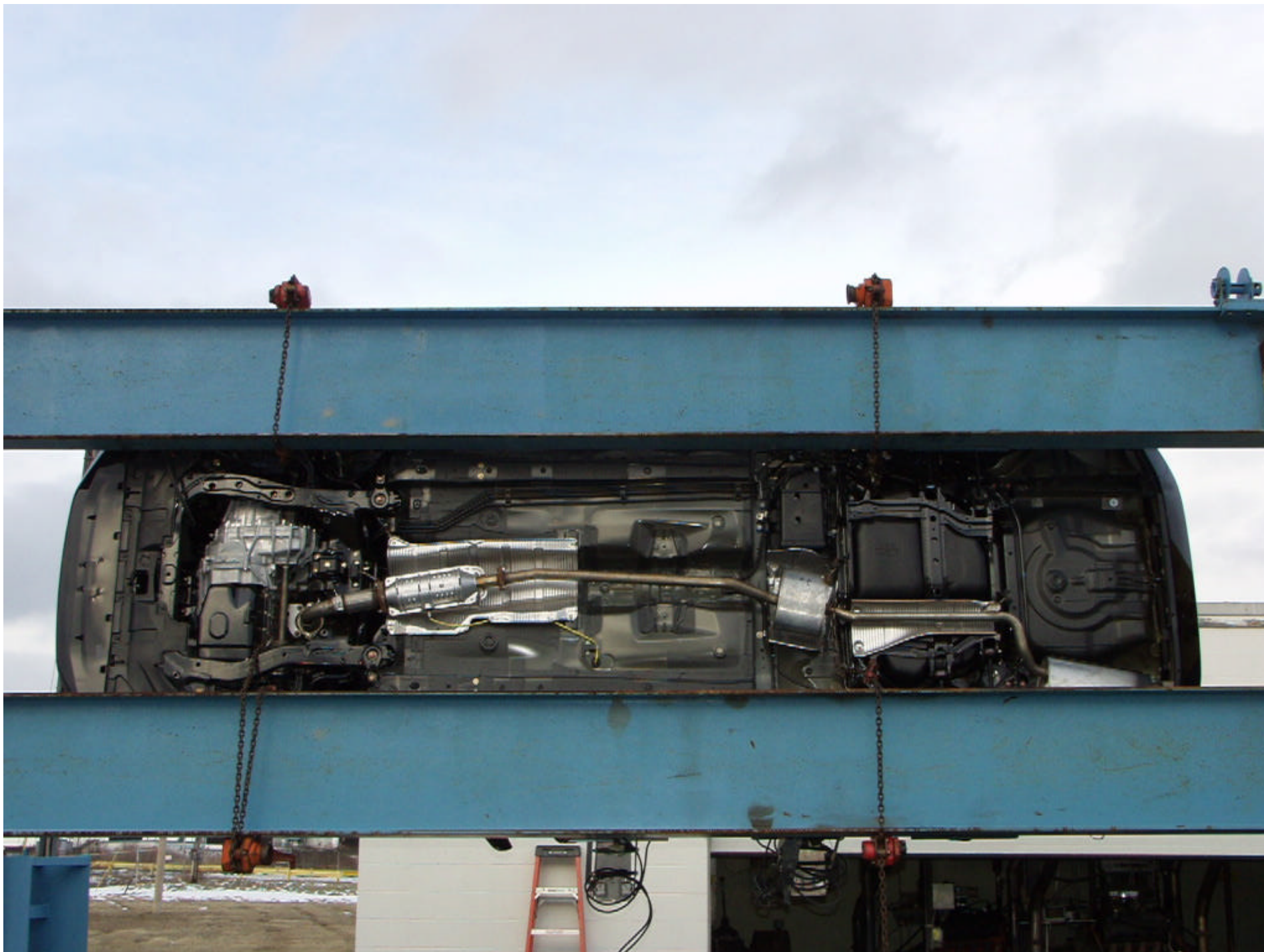


Figure A-45 ROLLOVER 270 DEGREES



Figure A-46 ROLLOVER 360 DEGREES

APPENDIX B

VEHICLE, MDB AND SID HYBRID III RESPONSE DATA

TABLE OF DATA PLOTS

DRIVER AND PASSENGER DUMMY INSTRUMENTATION PLOTS

ACCELERATION, FORCE AND MOMENT 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 ACCELERATION VS TIME	B- 12
8	DRIVER UPPER NECK (X) FORCE VS TIME	B- 13
9	DRIVER UPPER NECK (Y) FORCE VS TIME	B- 14
10	DRIVER UPPER NECK (Z) FORCE VS TIME	B- 15
11	DRIVER UPPER NECK RESULTANT FORCE VS TIME	B- 16
12	DRIVER UPPER NECK (X) MOMENT VS TIME	B- 17
13	DRIVER UPPER NECK (Y) MOMENT VS TIME	B- 18
14	DRIVER UPPER NECK (Z) MOMENT VS TIME	B- 19
15	DRIVER UPPER NECK RESULTANT MOMENT VS TIME	B- 20
16	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 21
17	DRIVER UPPER RIB (Y) VELOCITY VS TIME	B- 22
18	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 23
19	DRIVER LOWER RIB (Y) VELOCITY VS TIME	B- 24
20	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 25
21	DRIVER LOWER SPINE (Y) VELOCITY VS TIME	B- 26
22	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 27
23	DRIVER PELVIC (Y) VELOCITY VS TIME	B- 28
24	PASSENGER HEAD (X) ACCELERATION VS TIME	B- 29
25	PASSENGER HEAD (X) VELOCITY VS TIME	B- 30
26	PASSENGER HEAD (Y) ACCELERATION VS TIME	B- 31
27	PASSENGER HEAD (Y) VELOCITY VS TIME	B- 32
28	PASSENGER HEAD (Z) ACCELERATION VS TIME	B- 33
29	PASSENGER HEAD (Z) VELOCITY VS TIME	B- 34
30	PASSENGER HEAD RESULTANT ACCELERATION VS TIME	B- 35
31	DRIVER UPPER NECK (X) FORCE VS TIME	B- 36
32	DRIVER UPPER NECK (Y) FORCE VS TIME	B- 37
33	DRIVER UPPER NECK (Z) FORCE VS TIME	B- 38
34	DRIVER UPPER NECK RESULTANT FORCE VS TIME	B- 39
35	DRIVER UPPER NECK (X) MOMENT VS TIME	B- 40
36	DRIVER UPPER NECK (Y) MOMENT VS TIME	B- 41
37	DRIVER UPPER NECK (Z) MOMENT VS TIME	B- 42
38	DRIVER UPPER NECK RESULTANT MOMENT VS TIME	B- 43
39	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 44
40	PASSENGER UPPER RIB (Y) VELOCITY VS TIME	B- 45
41	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 46
42	PASSENGER LOWER RIB (Y) VELOCITY VS TIME	B- 47
43	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 48
44	PASSENGER LOWER SPINE (Y) VELOCITY VS TIME	B- 49
45	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 50
46	PASSENGER PELVIC (Y) VELOCITY VS TIME	B- 51

DRIVER & PASSENGER DUMMY INSTRUMENTATION PLOTS

ACCELERATION DATA - FIR FILTERED

<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
47	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 52
48	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 53
49	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 54
50	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 55
51	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 56
52	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 57
53	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 58
54	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 59

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>
55	RIGHT SIDE SILL AT FRONT SEAT (X) ACCELERATION VS TIME	B- 60
56	RIGHT SIDE SILL AT FRONT SEAT (X) VELOCITY VS TIME	B- 61
57	RIGHT SIDE SILL AT FRONT SEAT (Y) ACCELERATION VS TIME	B- 62
58	RIGHT SIDE SILL AT FRONT SEAT (Y) VELOCITY VS TIME	B- 63
59	RIGHT SIDE SILL AT FRONT SEAT (Z) ACCELERATION VS TIME	B- 64
60	RIGHT SIDE SILL AT FRONT SEAT (Z) VELOCITY VS TIME	B- 65
61	RIGHT SIDE SILL AT FRONT SEAT RESULTANT ACCELERATION VS TIME	B- 66
62	RIGHT SIDE SILL AT REAR SEAT (X) ACCELERATION VS TIME	B- 67
63	RIGHT SIDE SILL AT REAR SEAT (X) VELOCITY VS TIME	B- 68
64	RIGHT SIDE SILL AT REAR SEAT (Y) ACCELERATION VS TIME	B- 69
65	RIGHT SIDE SILL AT REAR SEAT (Y) VELOCITY VS TIME	B- 70
66	RIGHT SIDE SILL AT REAR SEAT (Z) ACCELERATION VS TIME	B- 71
67	RIGHT SIDE SILL AT REAR SEAT (Z) VELOCITY VS TIME	B- 72
68	RIGHT SIDE SILL AT REAR SEAT RESULTANT ACCELERATION VS TIME	B- 73
69	REAR FLOORPAN ABOVE AXLE (X) ACCELERATION VS TIME	B- 74
70	REAR FLOORPAN ABOVE AXLE (X) VELOCITY VS TIME	B- 75
71	REAR FLOORPAN ABOVE AXLE (Y) ACCELERATION VS TIME	B- 76
72	REAR FLOORPAN ABOVE AXLE (Y) VELOCITY VS TIME	B- 77
73	REAR FLOORPAN ABOVE AXLE (Z) ACCELERATION VS TIME	B- 78
74	REAR FLOORPAN ABOVE AXLE (Z) VELOCITY VS TIME	B- 79
75	REAR FLOORPAN ABOVE AXLE RESULTANT ACCELERATION VS TIME	B- 80
76	LEFT SIDE SILL AT REAR SEAT (Y) ACCELERATION VS TIME	B- 81
77	LEFT SIDE SILL AT REAR SEAT (Y) VELOCITY VS TIME	B- 82
78	LEFT SIDE SILL AT FRONT SEAT (Y) ACCELERATION VS TIME	B- 83
79	LEFT SIDE SILL AT FRONT SEAT (Y) VELOCITY VS TIME	B- 84
80	LEFT FRONT DOOR ON CENTERLINE (Y) ACCELERATION VS TIME	B- 85
81	LEFT FRONT DOOR ON CENTERLINE (Y) VELOCITY VS TIME	B- 86
82	RIGHT REAR OCCUPANT COMPARTMENT (Y) ACCELERATION VS TIME	B- 87
83	RIGHT REAR OCCUPANT COMPARTMENT (Y) VELOCITY VS TIME	B- 88
84	MID REAR OF LEFT FRONT DOOR (Y) ACCELERATION VS TIME	B- 89
85	MID REAR OF LEFT FRONT DOOR (Y) VELOCITY VS TIME	B- 90
86	LEFT FRONT DOOR UPPER CENTERLINE (Y) ACCELERATION VS TIME	B- 91
87	LEFT FRONT DOOR UPPER CENTERLINE (Y) VELOCITY VS TIME	B- 92
88	MID REAR OF LEFT REAR DOOR (Y) ACCELERATION VS TIME	B- 93
89	MID REAR OF LEFT REAR DOOR (Y) VELOCITY VS TIME	B- 94
90	LEFT REAR DOOR UPPER CENTERLINE (Y) ACCELERATION VS TIME	B- 95
91	LEFT REAR DOOR UPPER CENTERLINE (Y) VELOCITY VS TIME	B- 96
92	LOWER B-POST (Y) ACCELERATION VS TIME	B- 97
93	LOWER B-POST (Y) VELOCITY VS TIME	B- 98
94	UPPER B-POST (Y) ACCELERATION VS TIME	B- 99
95	UPPER B-POST (Y) VELOCITY VS TIME	B- 100
96	LOWER A-POST (Y) ACCELERATION VS TIME	B- 101

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>
97	LOWER A-POST (Y) VELOCITY VS TIME	B- 102
98	UPPER A-POST (Y) ACCELERATION VS TIME	B- 103
99	UPPER A-POST (Y) VELOCITY VS TIME	B- 104
100	FRONT SEAT TRACK (Y) ACCELERATION VS TIME	B- 105
101	FRONT SEAT TRACK (Y) VELOCITY VS TIME	B- 106
102	VEHICLE CENTER OF GRAVITY (X) ACCELERATION VS TIME	B- 107
103	VEHICLE CENTER OF GRAVITY (X) VELOCITY VS TIME	B- 108
104	VEHICLE CENTER OF GRAVITY (Y) ACCELERATION VS TIME	B- 109
105	VEHICLE CENTER OF GRAVITY (Y) VELOCITY ACCELERATION VS TIME	B- 110
106	VEHICLE CENTER OF GRAVITY (Z) ACCELERATION VS TIME	B- 111
107	VEHICLE CENTER OF GRAVITY (Z) VELOCITY VS TIME	B- 112
108	VEHICLE CENTER OF GRAVITY RESULTANT ACCELERATION VS TIME	B- 113

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>
109	MDB CENTER OF GRAVITY (X) ACCELERATION VS TIME	B- 114
110	MDB CENTER OF GRAVITY (X) VELOCITY VS TIME	B- 115
111	MDB CENTER OF GRAVITY (Y) ACCELERATION VS TIME	B- 116
112	MDB CENTER OF GRAVITY (Y) VELOCITY VS TIME	B- 117
113	MDB CENTER OF GRAVITY (Z) ACCELERATION VS TIME	B- 118
114	MDB CENTER OF GRAVITY (Z) VELOCITY VS TIME	B- 119
115	MDB CENTER OF GRAVITY RESULTANT ACCELERATION VS TIME	B- 120
116	MDB REAR (X) ACCELERATION VS TIME	B- 121
117	MDB REAR (X) VELOCITY VS TIME	B- 122
118	MDB REAR (Y) ACCELERATION VS TIME	B- 123
119	MDB REAR (Y) VELOCITY VS TIME	B- 124

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>
120	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 125
121	DRIVER UPPER RIB (Y) VELOCITY VS TIME	B- 126
122	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 127
123	DRIVER LOWER RIB (Y) VELOCITY VS TIME	B- 128
124	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 129
125	DRIVER LOWER SPINE (Y) VELOCITY VS TIME	B- 130
126	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 131
127	DRIVER PELVIC (Y) VELOCITY VS TIME	B- 132
128	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 133
129	PASSENGER UPPER RIB (Y) VELOCITY VS TIME	B- 134
130	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 135
131	PASSENGER LOWER RIB (Y) VELOCITY VS TIME	B- 136
132	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 137
133	PASSENGER LOWER SPINE (Y) VELOCITY VS TIME	B- 138
134	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 139
135	PASSENGER PELVIC (Y) VELOCITY VS TIME	B- 140

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

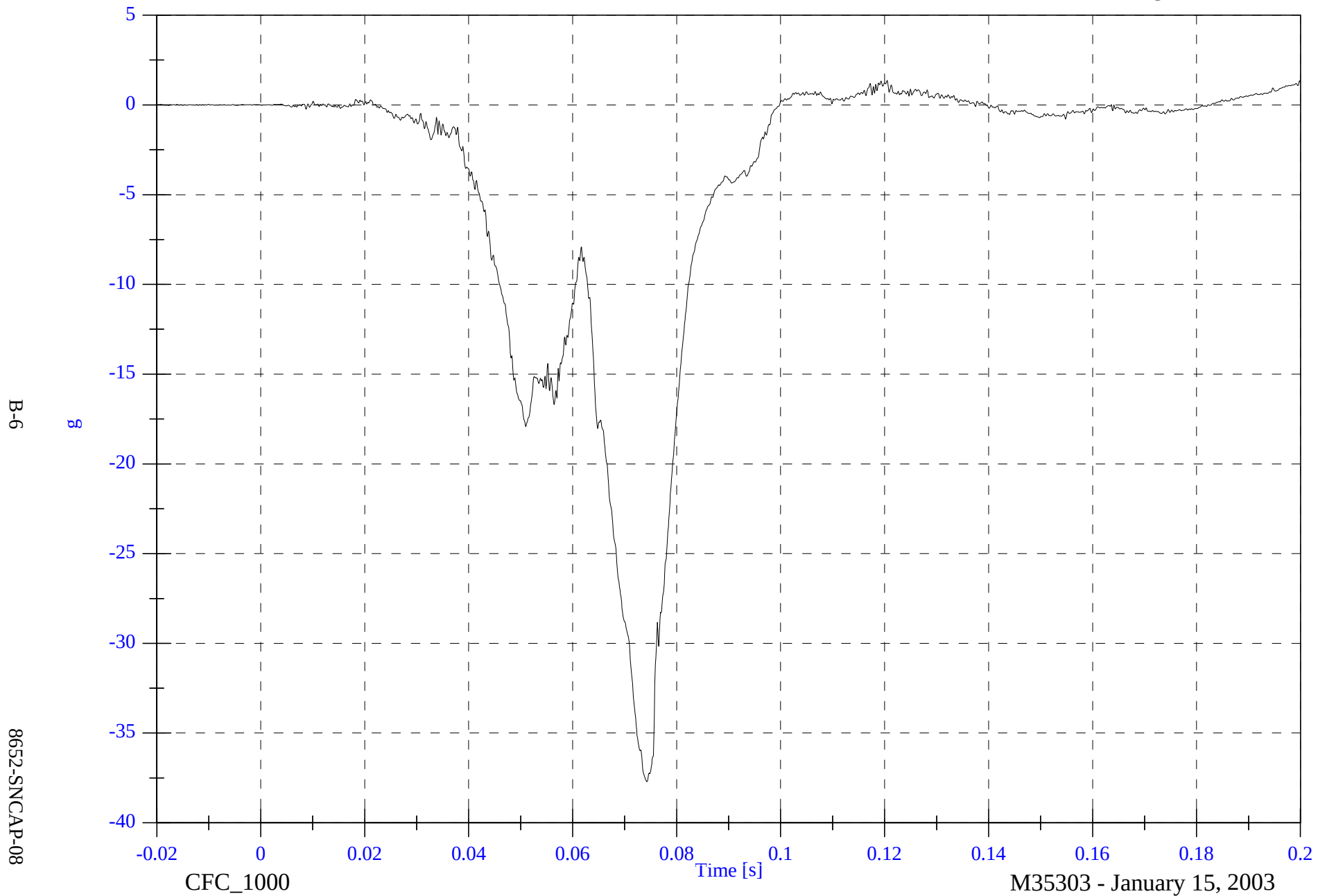
<u>Plot No.</u>	<u>Data Plot Title</u>	<u>Page</u>
136	DRIVER UPPER RIB (Y) ACCELERATION VS TIME	B- 141
137	DRIVER LOWER RIB (Y) ACCELERATION VS TIME	B- 142
138	DRIVER LOWER SPINE (Y) ACCELERATION VS TIME	B- 143
139	DRIVER PELVIC (Y) ACCELERATION VS TIME	B- 144
140	PASSENGER UPPER RIB (Y) ACCELERATION VS TIME	B- 145
141	PASSENGER LOWER RIB (Y) ACCELERATION VS TIME	B- 146
142	PASSENGER LOWER SPINE (Y) ACCELERATION VS TIME	B- 147
143	PASSENGER PELVIC (Y) ACCELERATION VS TIME	B- 148

2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P1 Head x

Max: 1.4 [g] at 0.120 [s]

Min: -37.7 [g] at 0.074 [s]

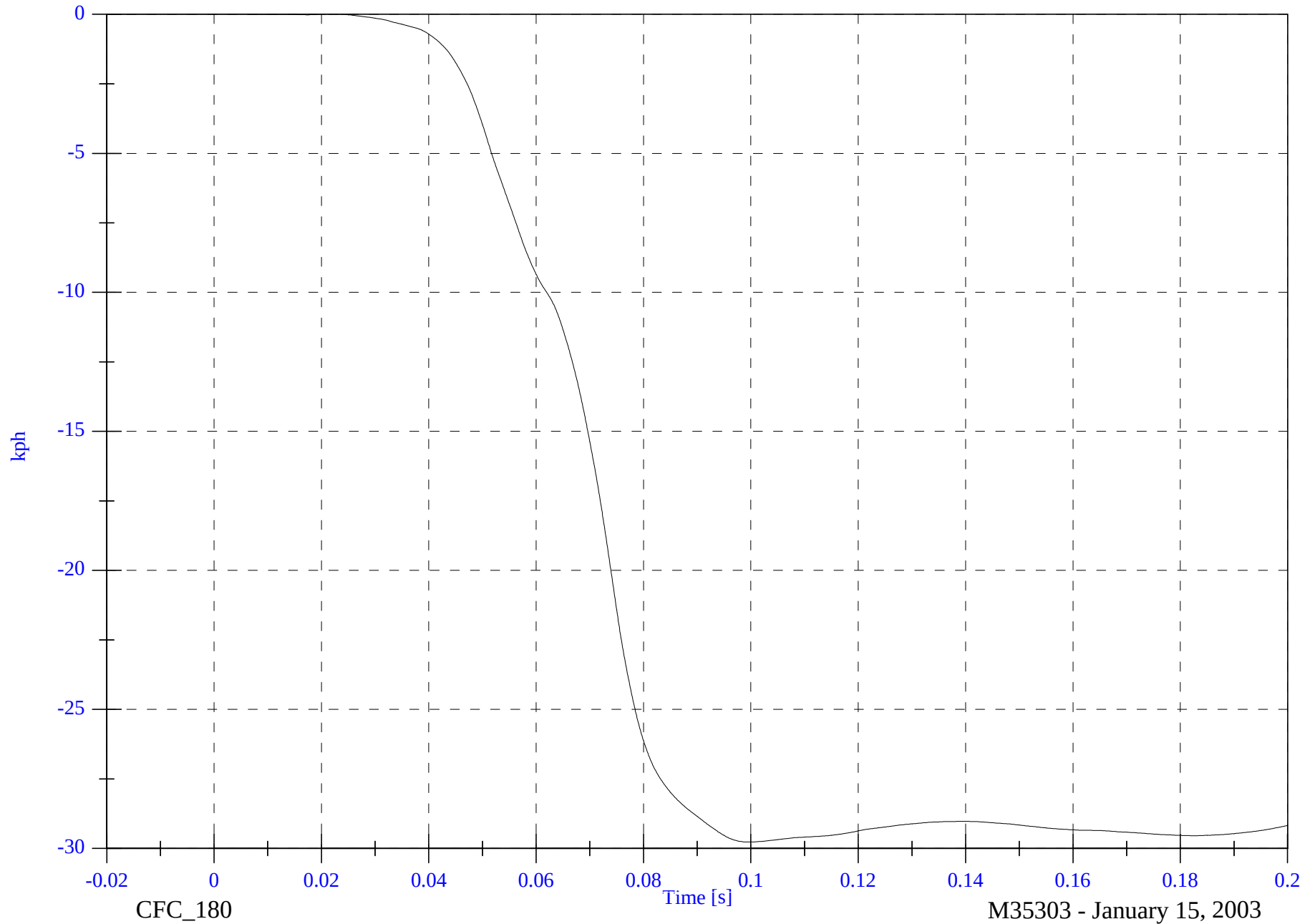


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P1 Head x Velocity

Max: 0.0 [kph] at 0.022 [s]

Min: -29.8 [kph] at 0.100 [s]

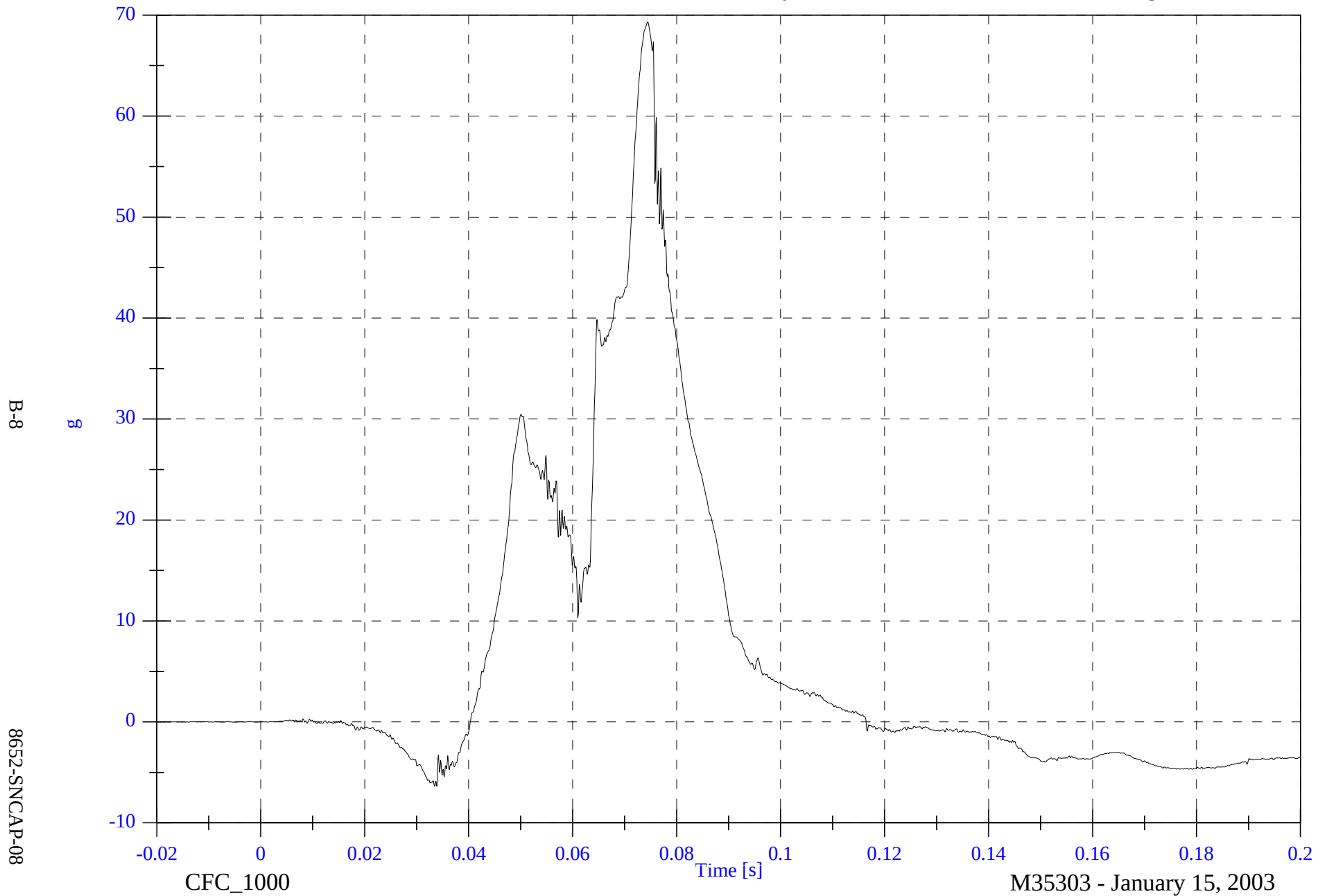


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P1 Head y

Max: 69.3 [g] at 0.074 [s]

Min: -6.4 [g] at 0.034 [s]

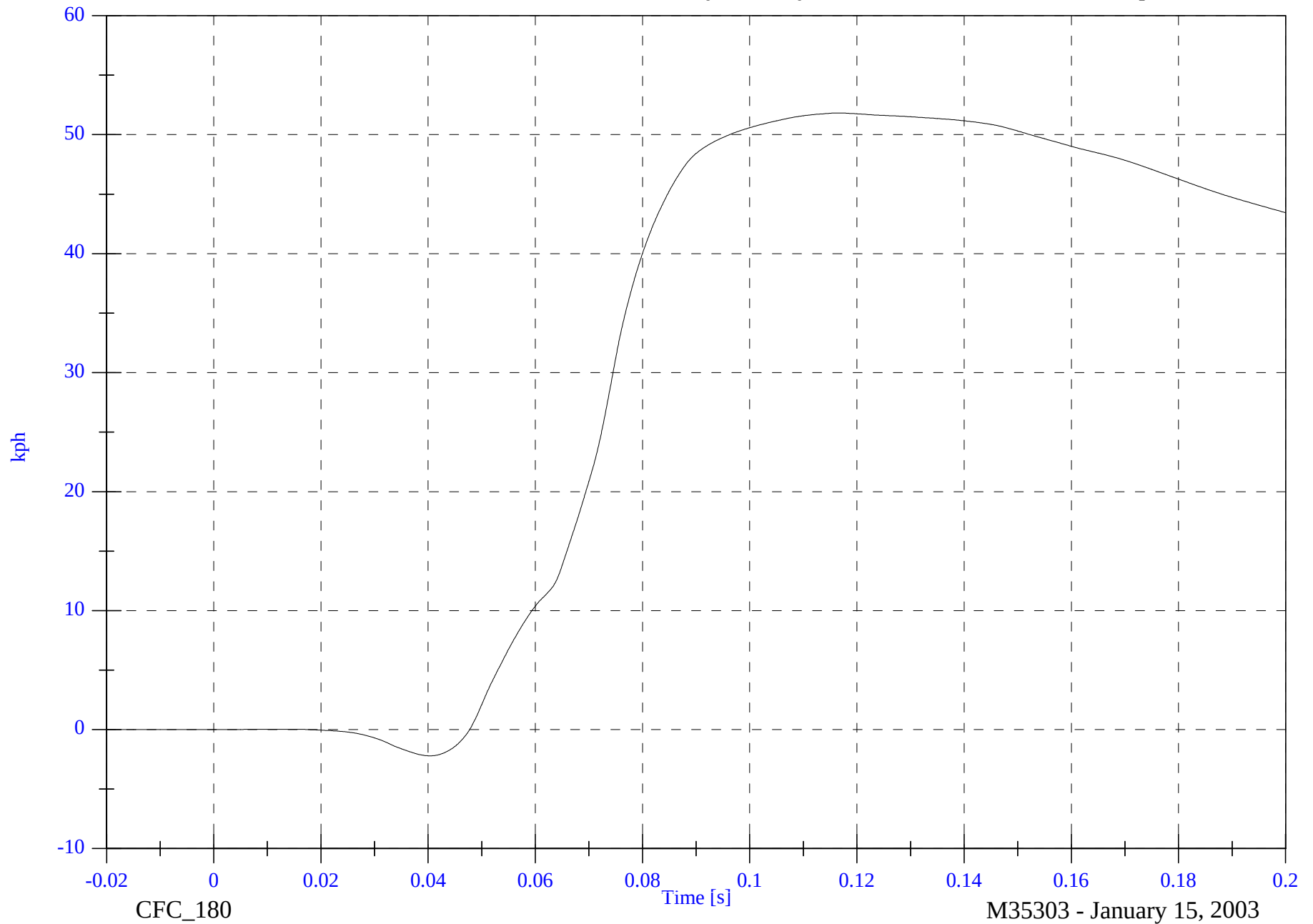


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Head y Velocity

Max: 51.8 [kph] at 0.116 [s]

Min: -2.2 [kph] at 0.040 [s]



B-9

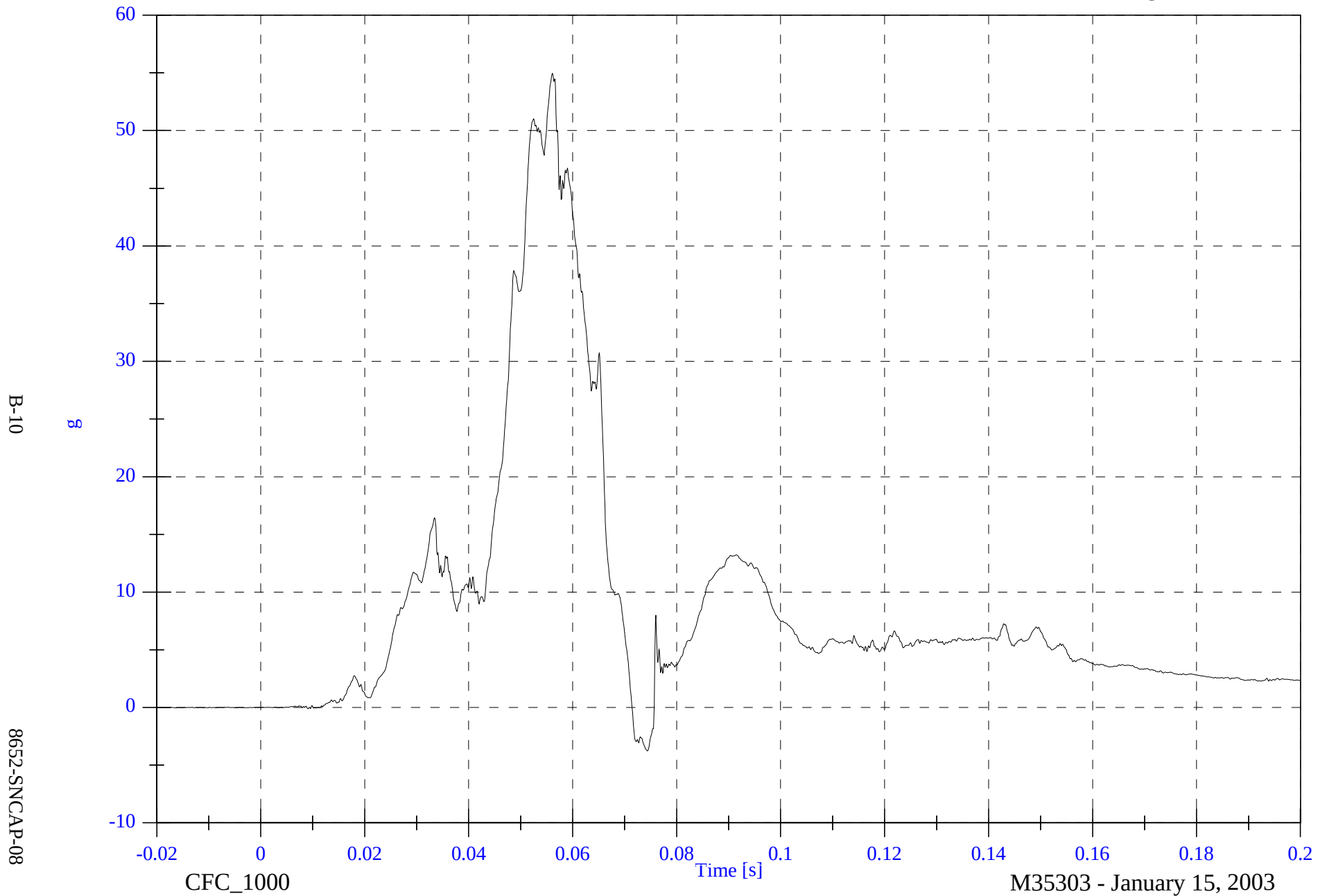
8652-SNCAP-08

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Head z

Max: 55.0 [g] at 0.056 [s]

Min: -3.8 [g] at 0.074 [s]

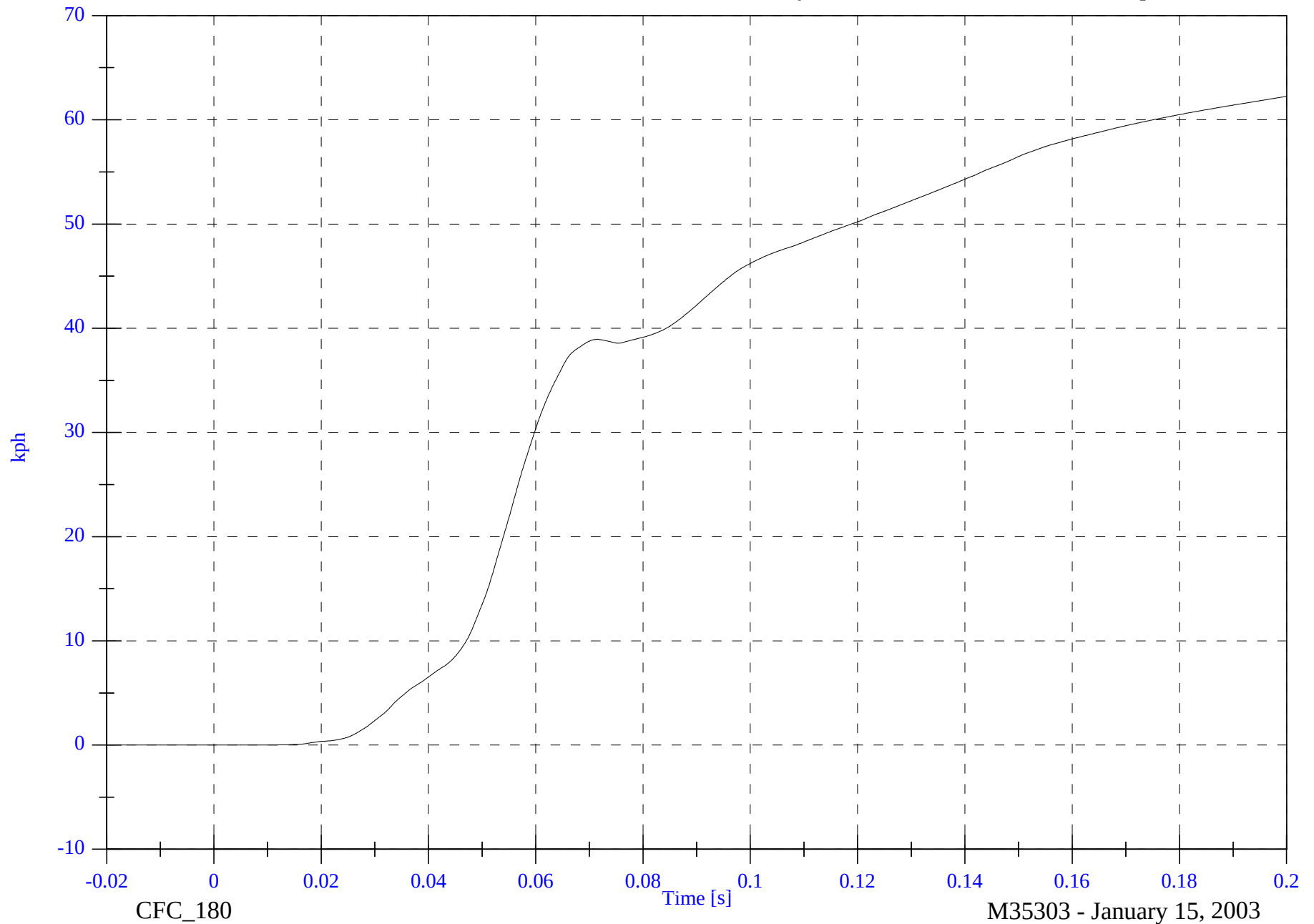


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Head z Velocity

Max: 62.2 [kph] at 0.200 [s]

Min: -0.0 [kph] at -0.001 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

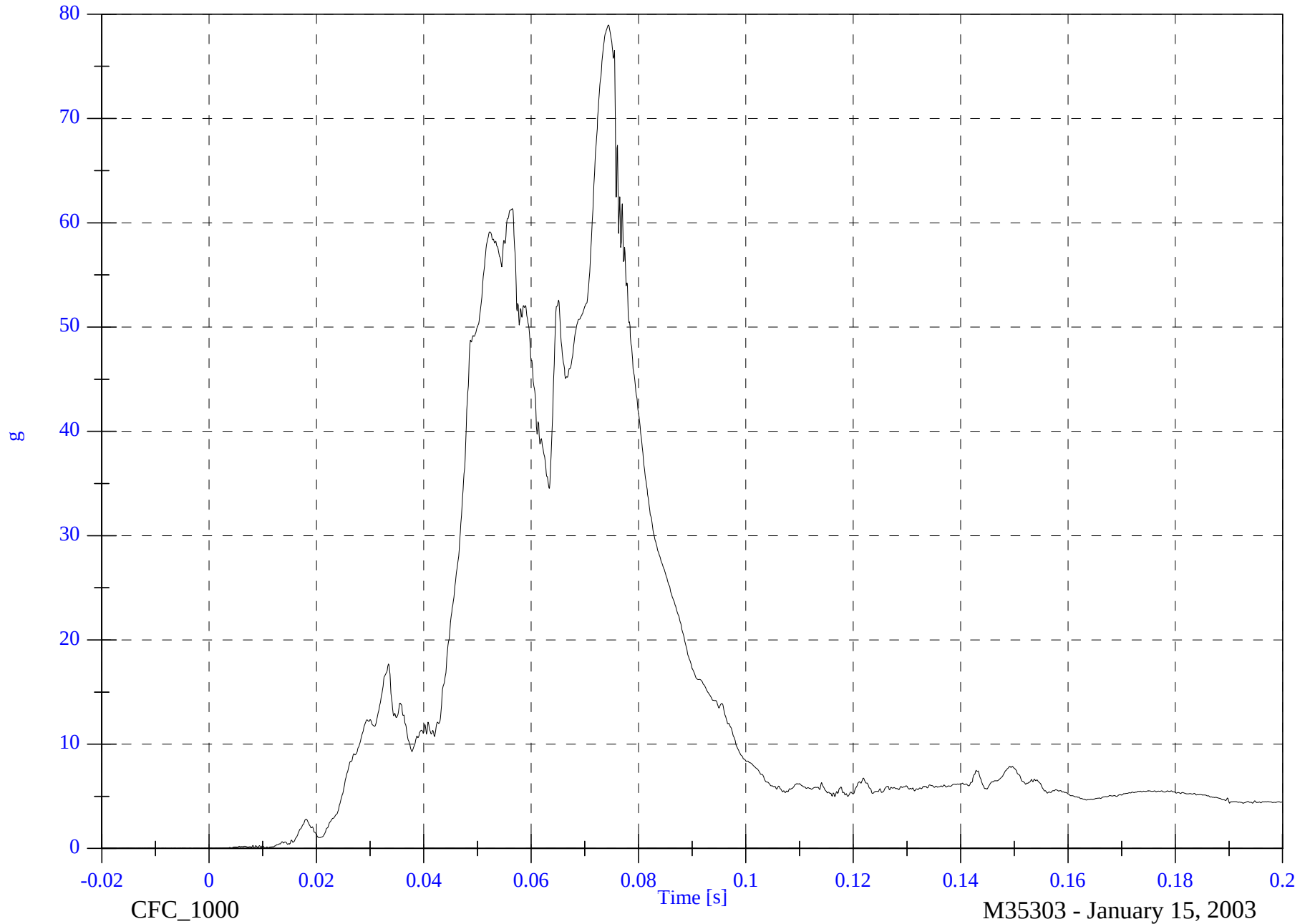
V2P1 Head Resultant

Max: 79.0 [g] at 0.074 [s]

Min: 0.0 [g] at 0.001 [s]

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8652-SNCAP-08



2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Upper Neck Fx

Max: 47.6 [N] at 0.122 [s]

Min: -671.6 [N] at 0.069 [s]

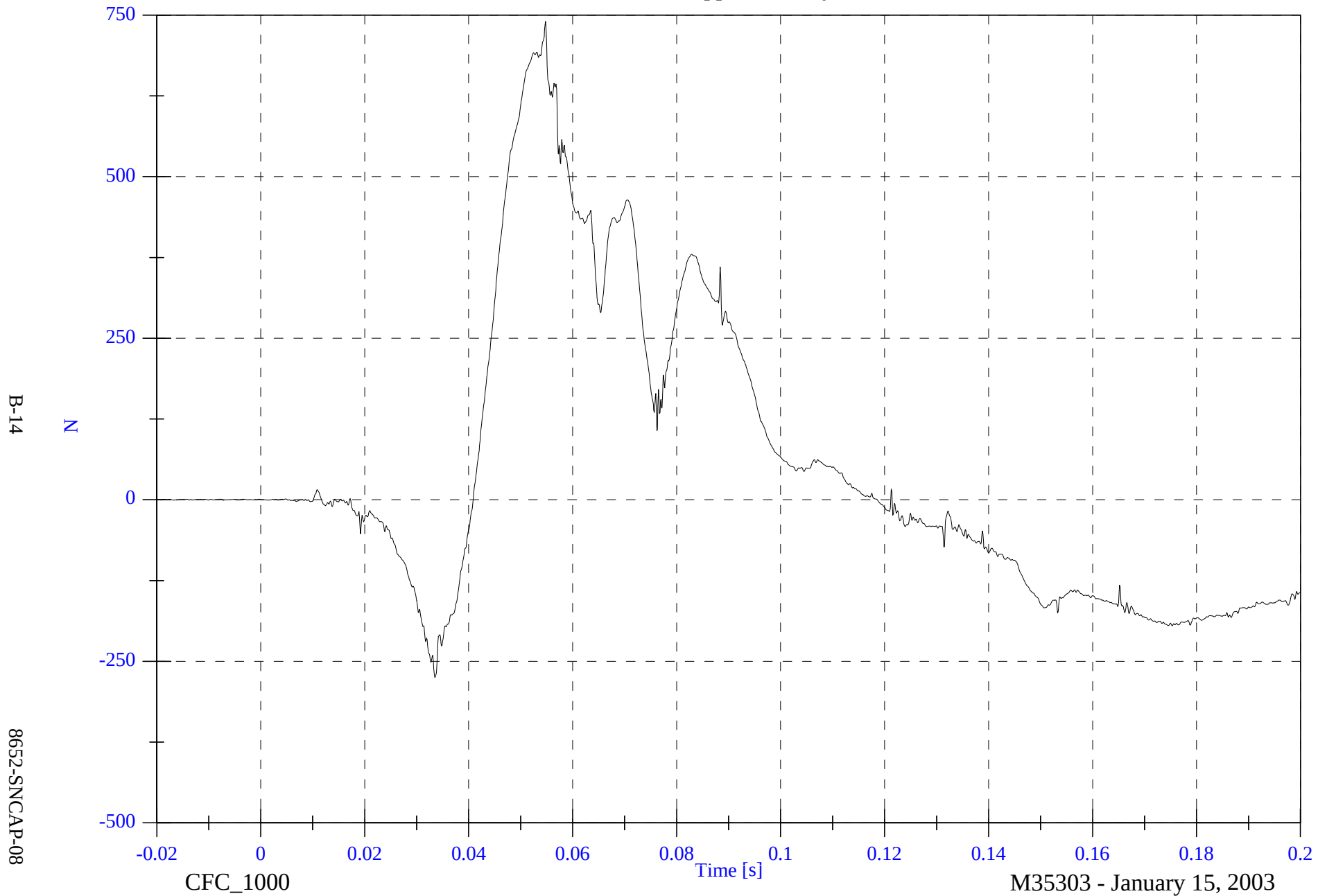


2003 SNCAP Test 3 2003 Honda Accord 2 Door

Max: 740.4 [N] at 0.055 [s]

V2P1 Upper Neck Fy

Min: -275.3 [N] at 0.034 [s]

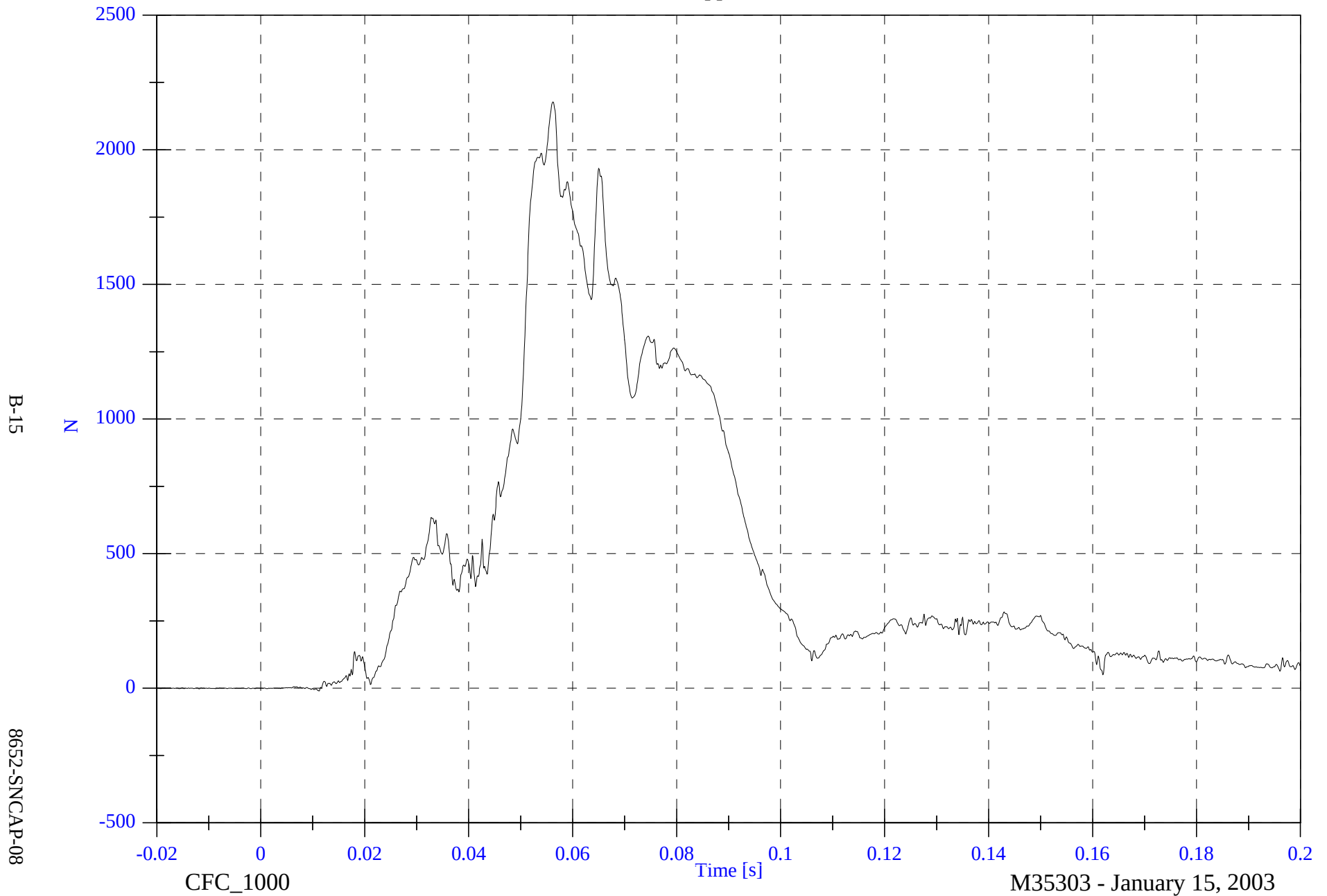


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P1 Upper Neck Fz

Max: 2177.7 [N] at 0.056 [s]

Min: -10.4 [N] at 0.011 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Upper Neck F Resultant

Max: 2344.2 [N] at 0.056 [s]

Min: 0.1 [N] at -0.019 [s]

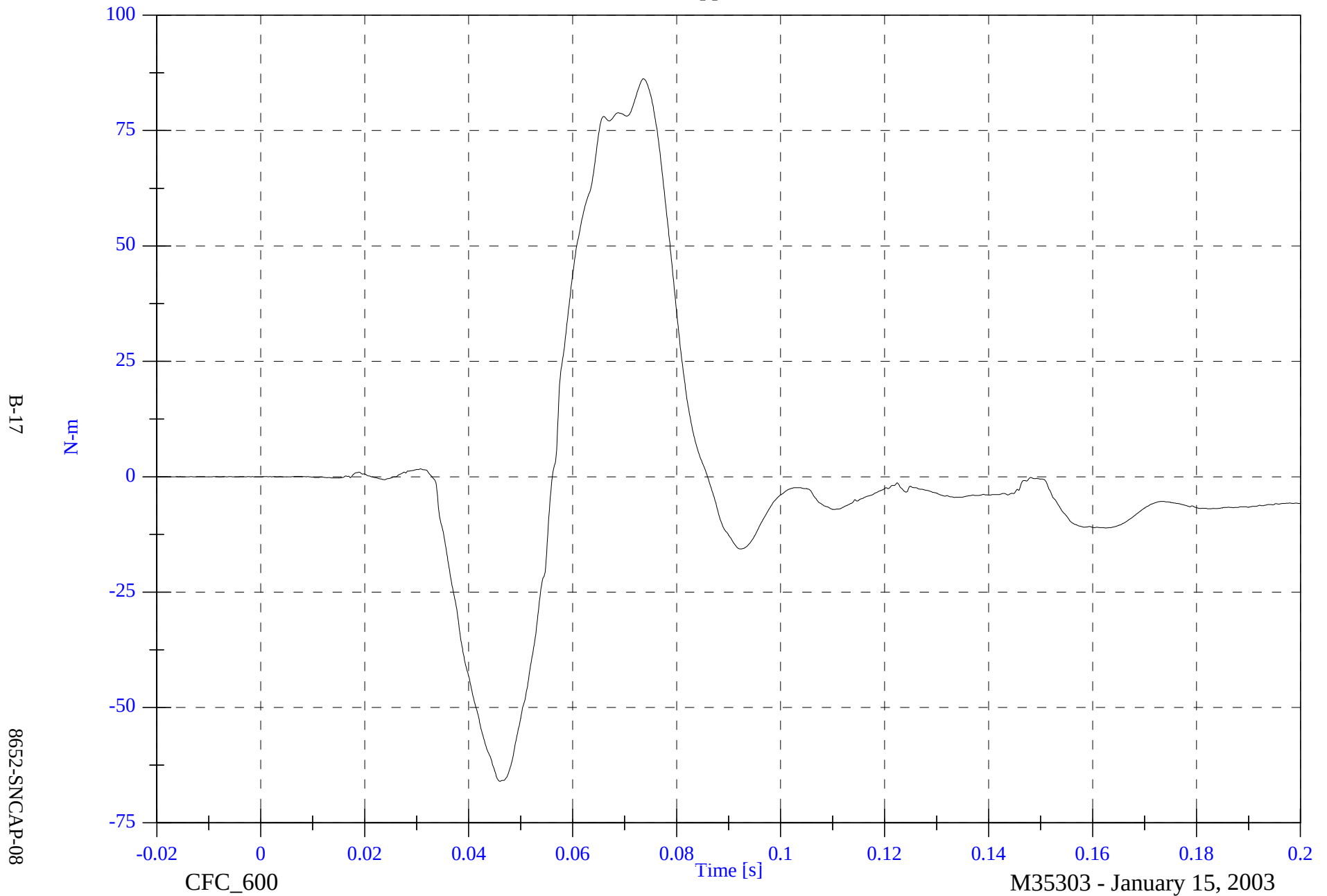


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Upper Neck Mx

Max: 86.2 [N-m] at 0.074 [s]

Min: -66.0 [N-m] at 0.046 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

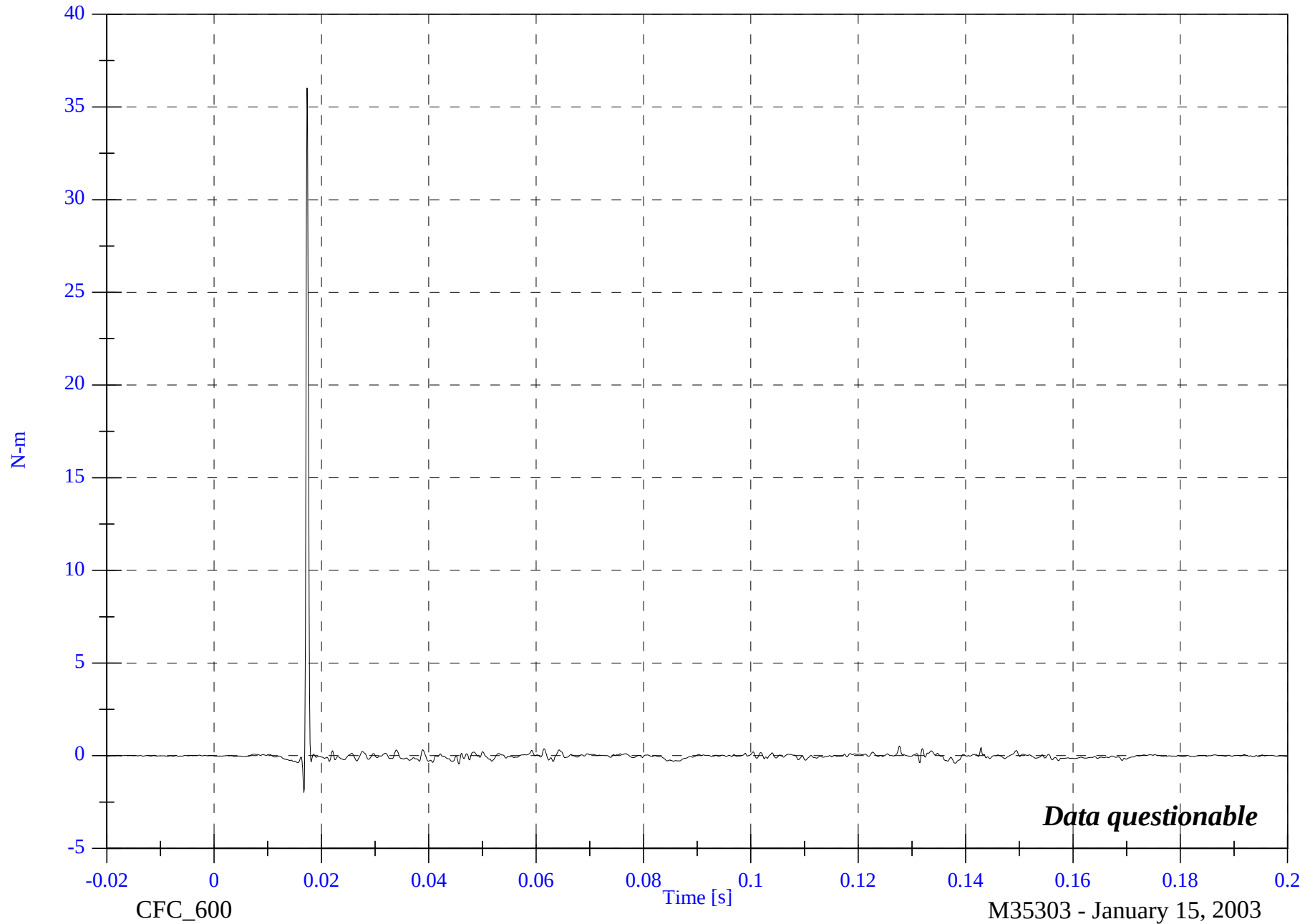
V2P1 Upper Neck My

Max: 36.0 [N-m] at 0.017 [s]

Min: -2.0 [N-m] at 0.017 [s]

B-18

8652-SENCAP-08

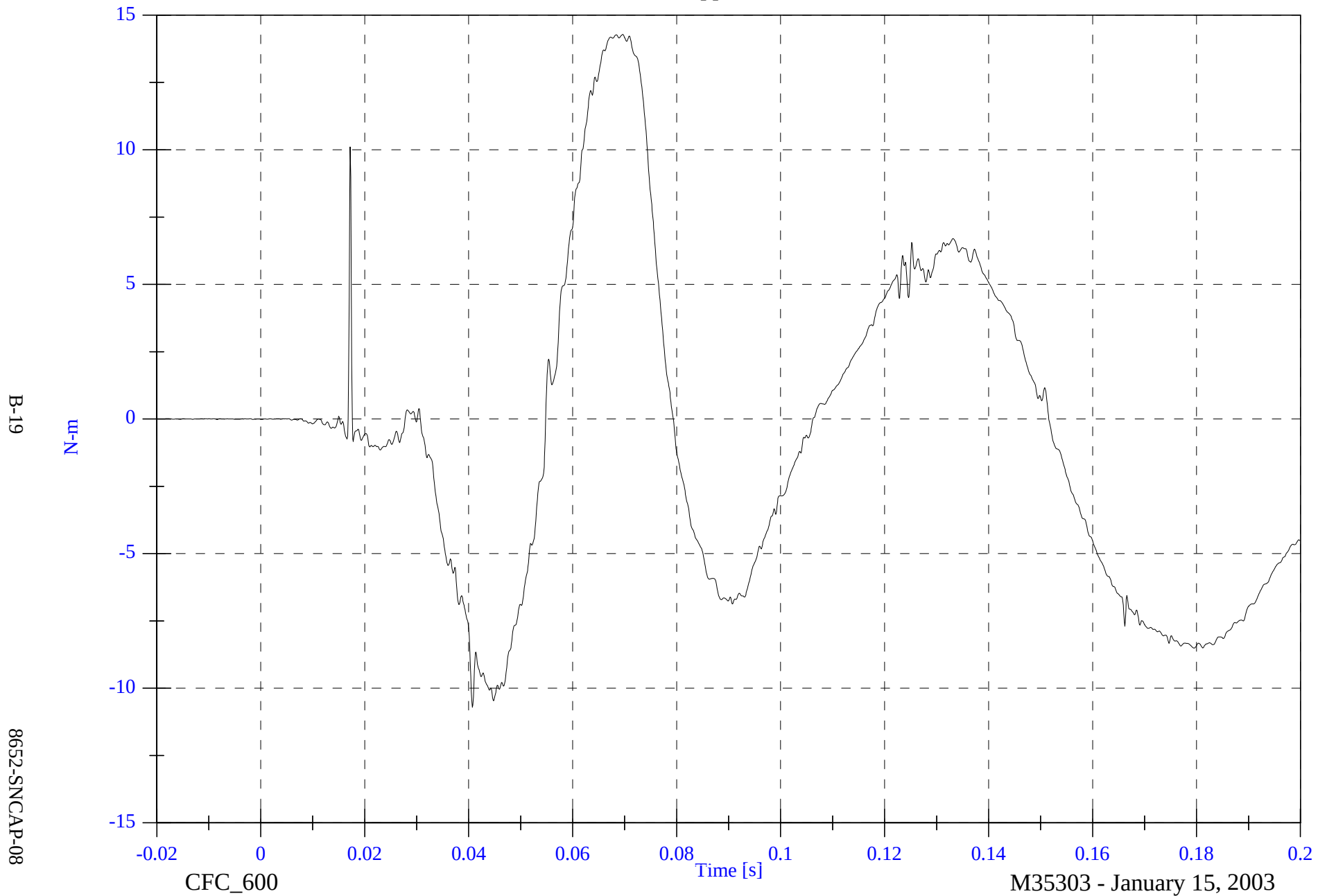


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Upper Neck Mz

Max: 14.3 [N-m] at 0.070 [s]

Min: -10.7 [N-m] at 0.041 [s]

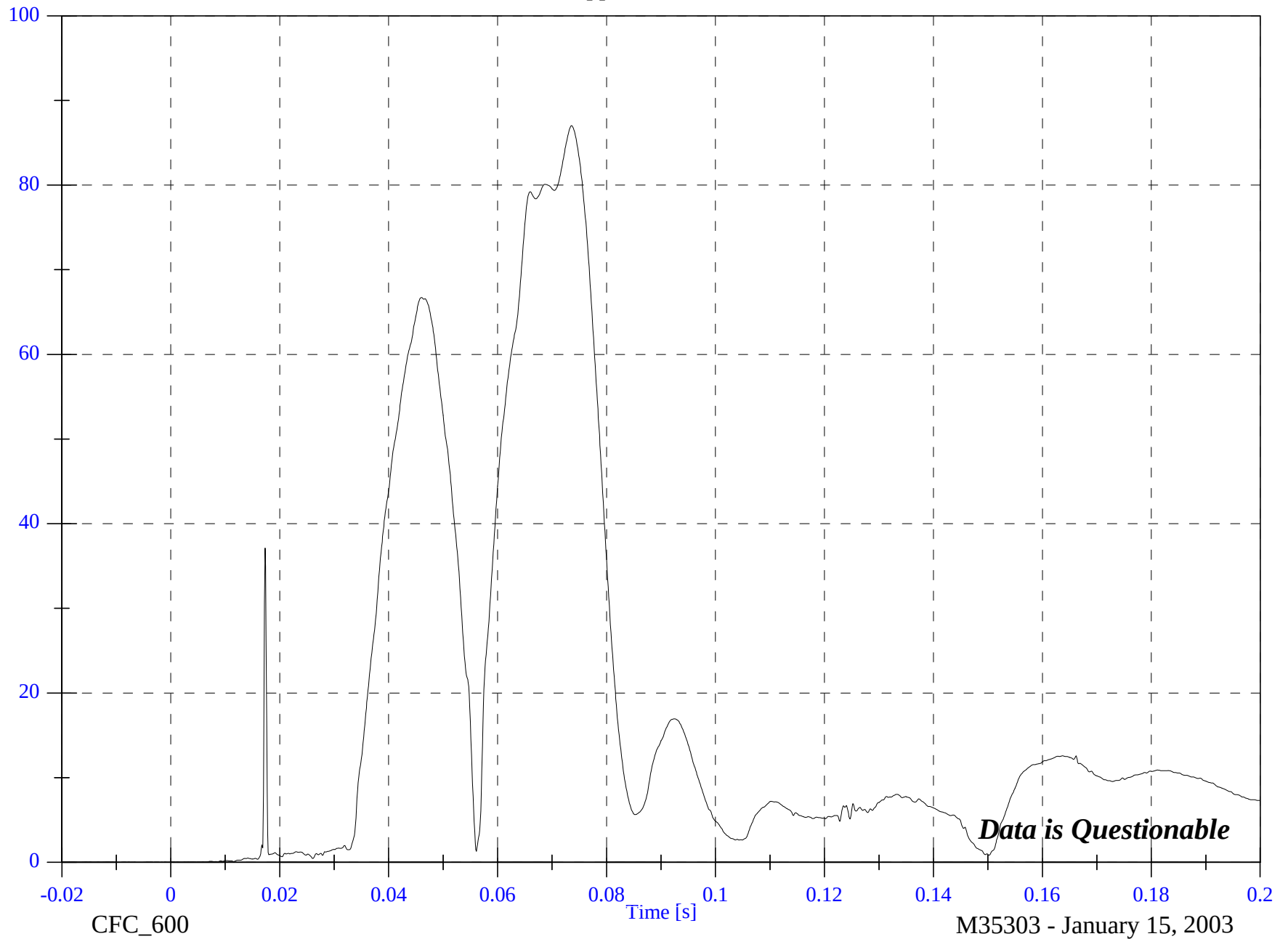


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P1 Upper Neck M Resultant

Max: 87.0 [N-m] at 0.074 [s]

Min: 0.0 [N-m] at -0.008 [s]



B-20

8652-SENCAP-08

CFC_600

M35303 - January 15, 2003

2003 SENCAP Test 3 2003 Honda Accord 2 Door

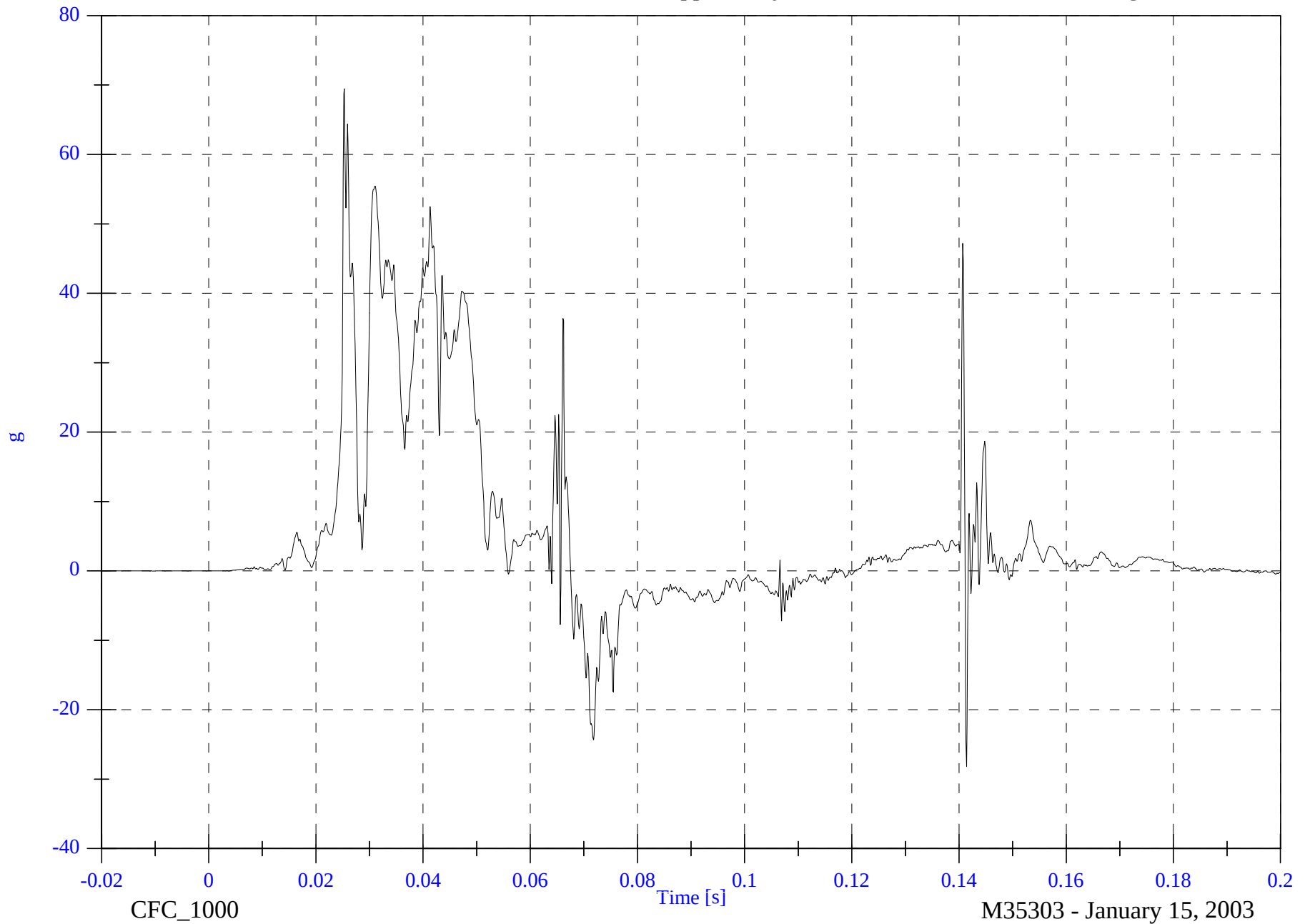
V2P1 Upper Rib y

Max: 69.5 [g] at 0.025 [s]

Min: -28.2 [g] at 0.141 [s]

B-21

8652-SENCAP-08

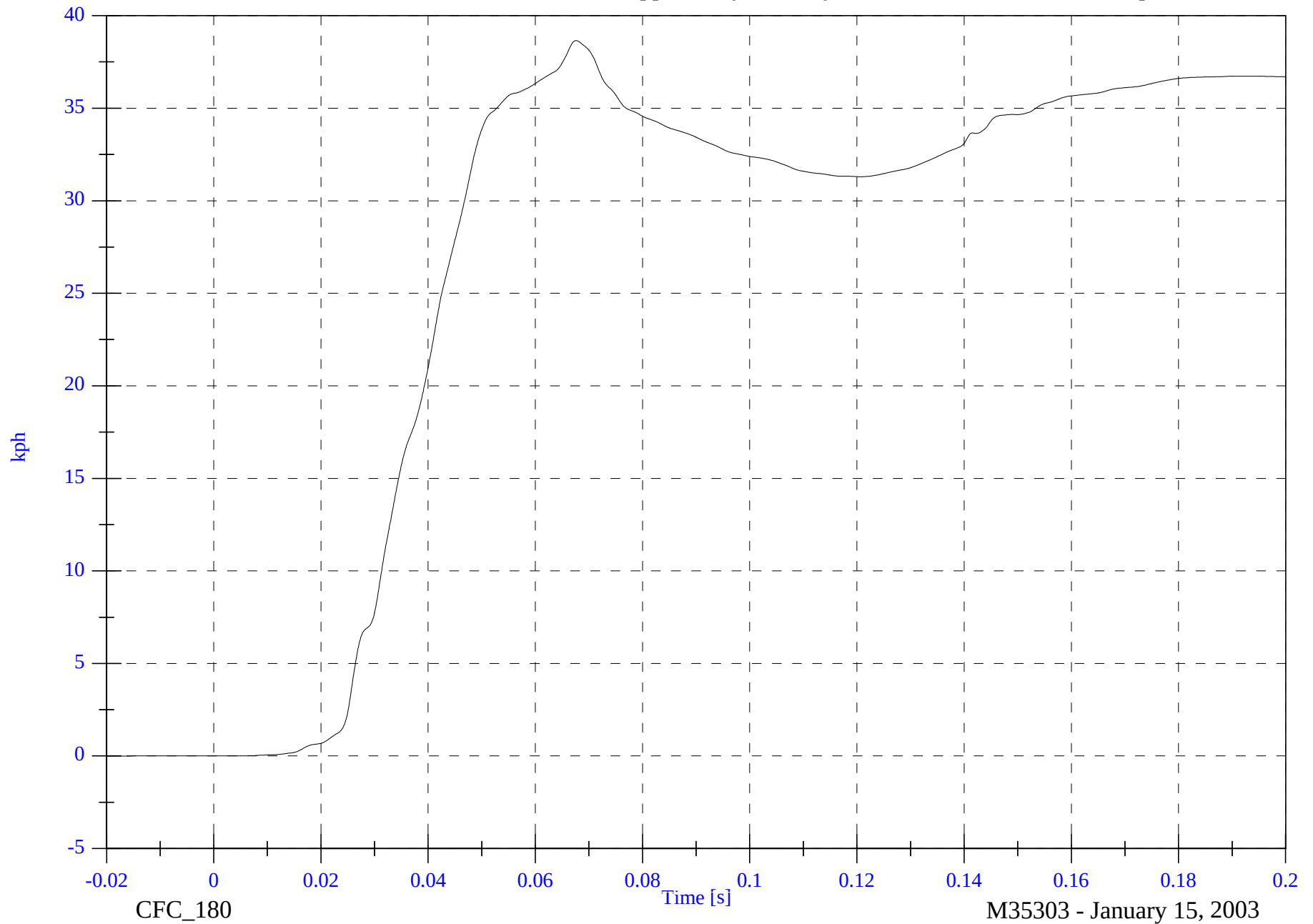


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Upper Rib y Velocity

Max: 38.7 [kph] at 0.068 [s]

Min: -0.0 [kph] at -0.019 [s]



B-22

8652-SNCAP-08

CFC_180

M35303 - January 15, 2003

2003 SNCAP Test 3 2003 Honda Accord 2 Door

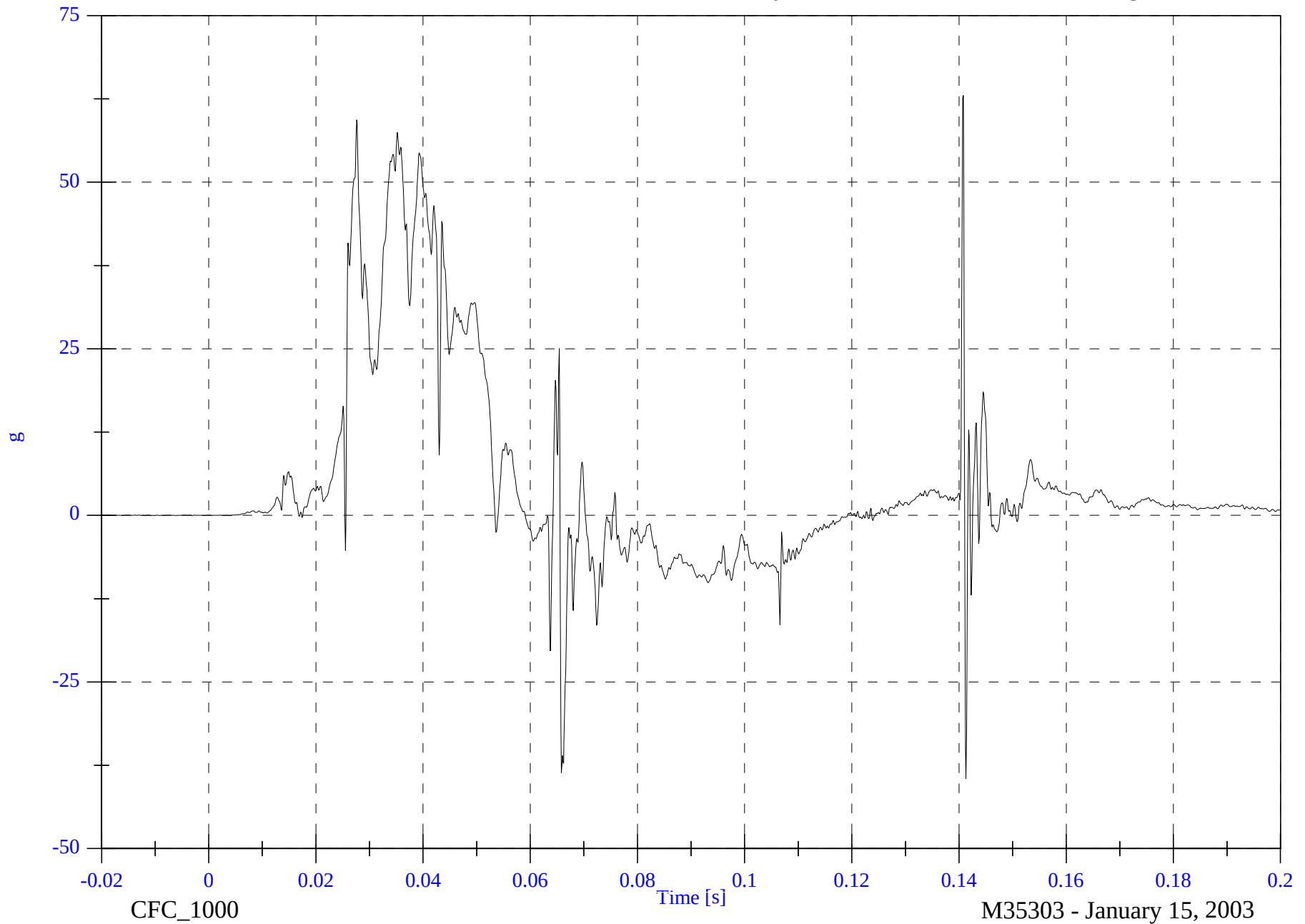
V2P1 Lower Rib y

Max: 63.0 [g] at 0.141 [s]

Min: -39.5 [g] at 0.141 [s]

B-23

8652-SNCAP-08

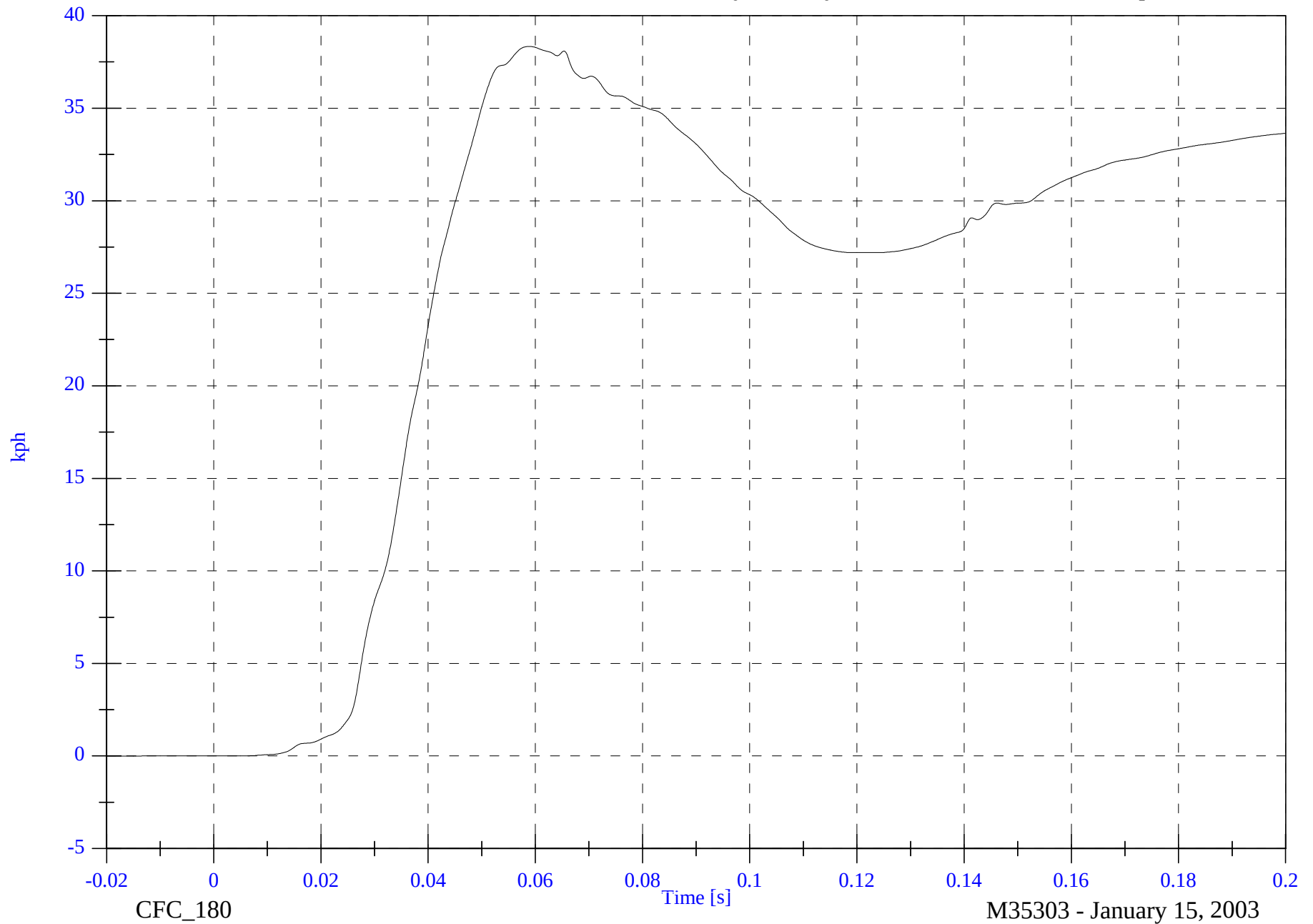


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Lower Rib y Velocity

Max: 38.3 [kph] at 0.059 [s]

Min: -0.0 [kph] at -0.020 [s]



B-24

8652-SNCAP-08

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Lower Spine y

Max: 61.9 [g] at 0.035 [s]

Min: -14.0 [g] at 0.064 [s]

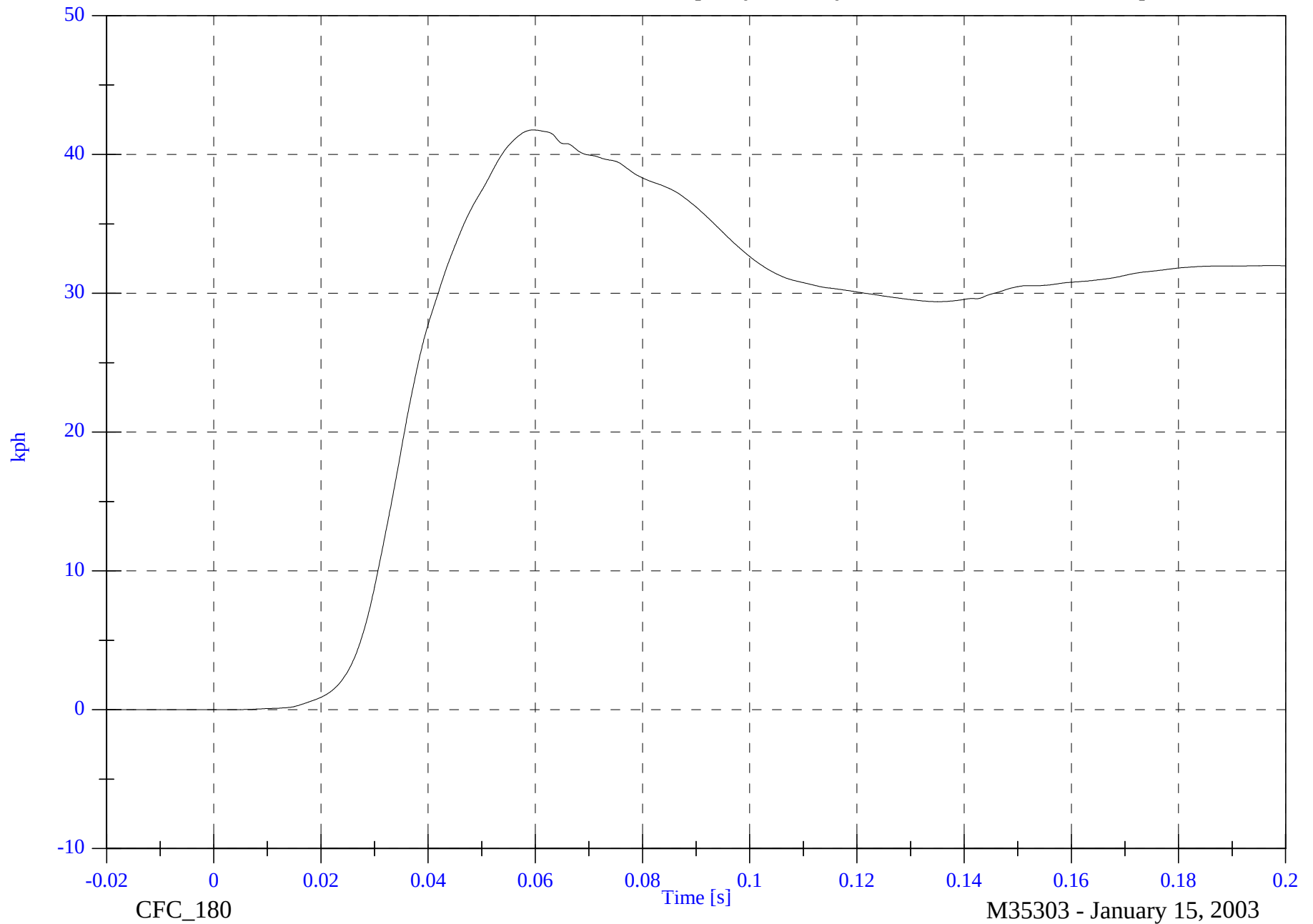


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P1 Lower Spine y Velocity

Max: 41.8 [kph] at 0.060 [s]

Min: -0.0 [kph] at -0.018 [s]



B-26

8652-SENCAP-08

CFC_180

M35303 - January 15, 2003

2003 SNCAP Test 3 2003 Honda Accord 2 Door

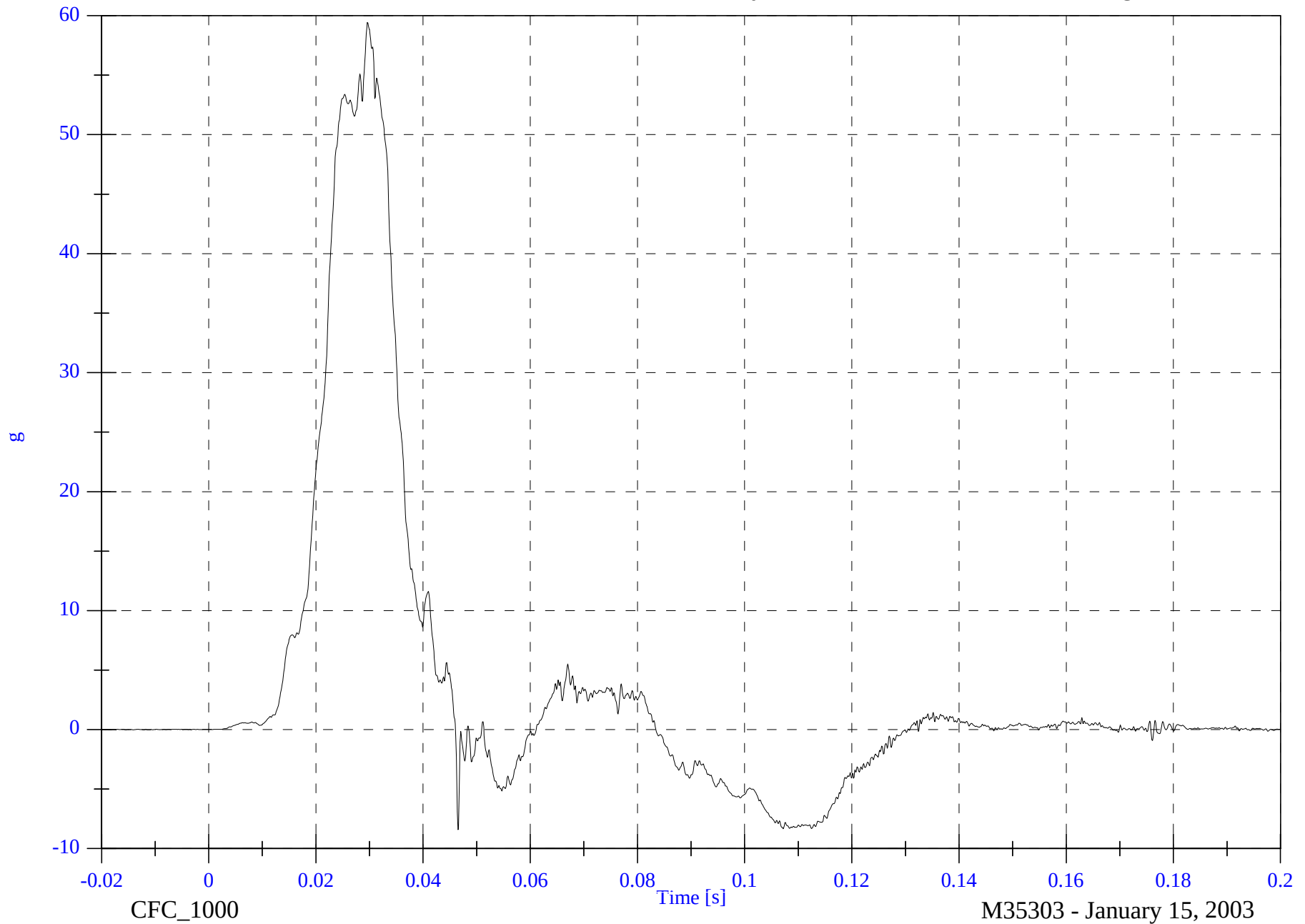
V2P1 Pelvic y

Max: 59.4 [g] at 0.030 [s]

Min: -8.4 [g] at 0.046 [s]

B-27

8652-SNCAP-08

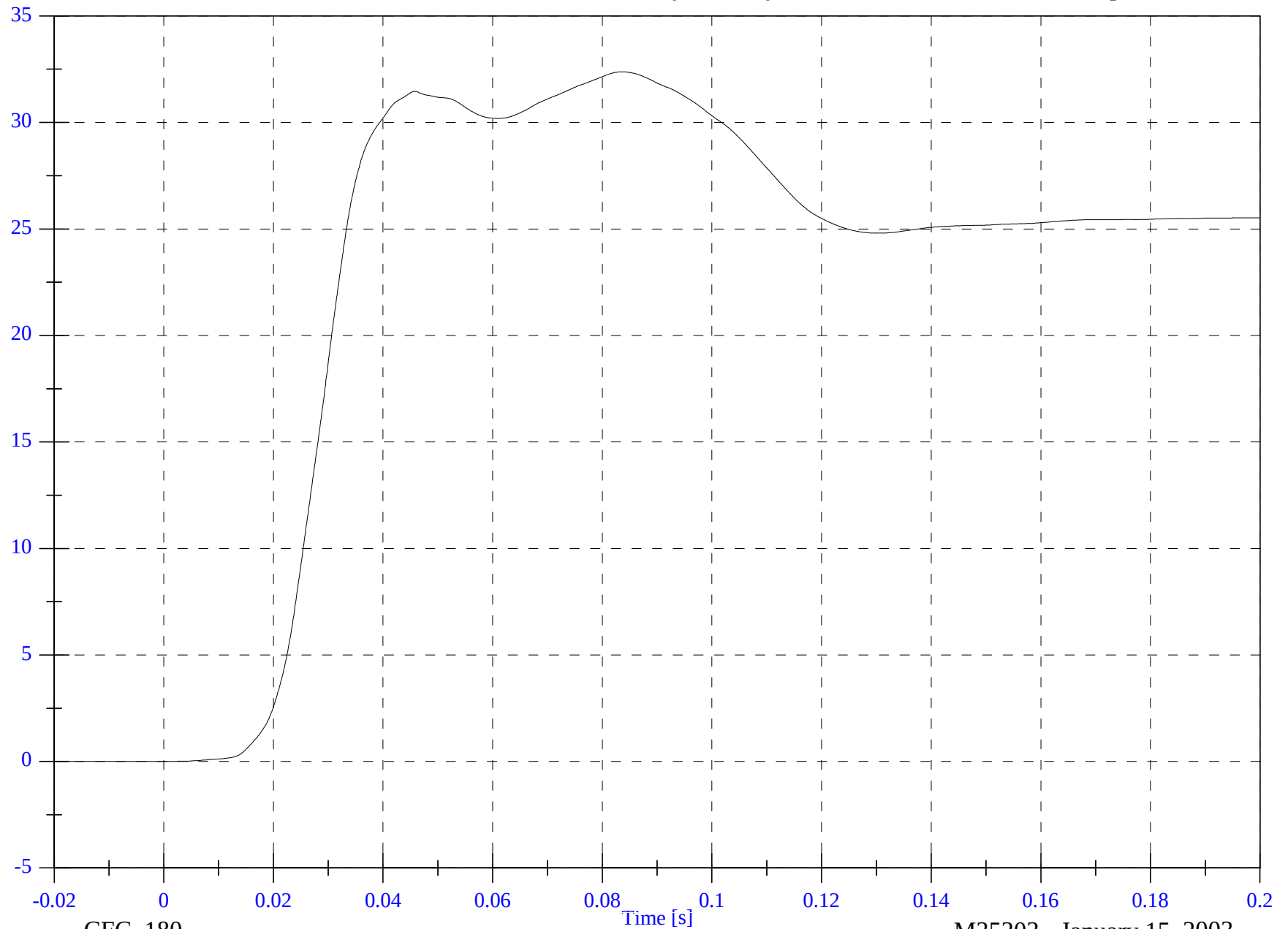


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Pelvic y Velocity

Max: 32.4 [kph] at 0.083 [s]

Min: -0.0 [kph] at -0.018 [s]



B-28

8652-SNCAP-08

CFC_180

M35303 - January 15, 2003

2003 SENCAP Test 3 2003 Honda Accord 2 Door

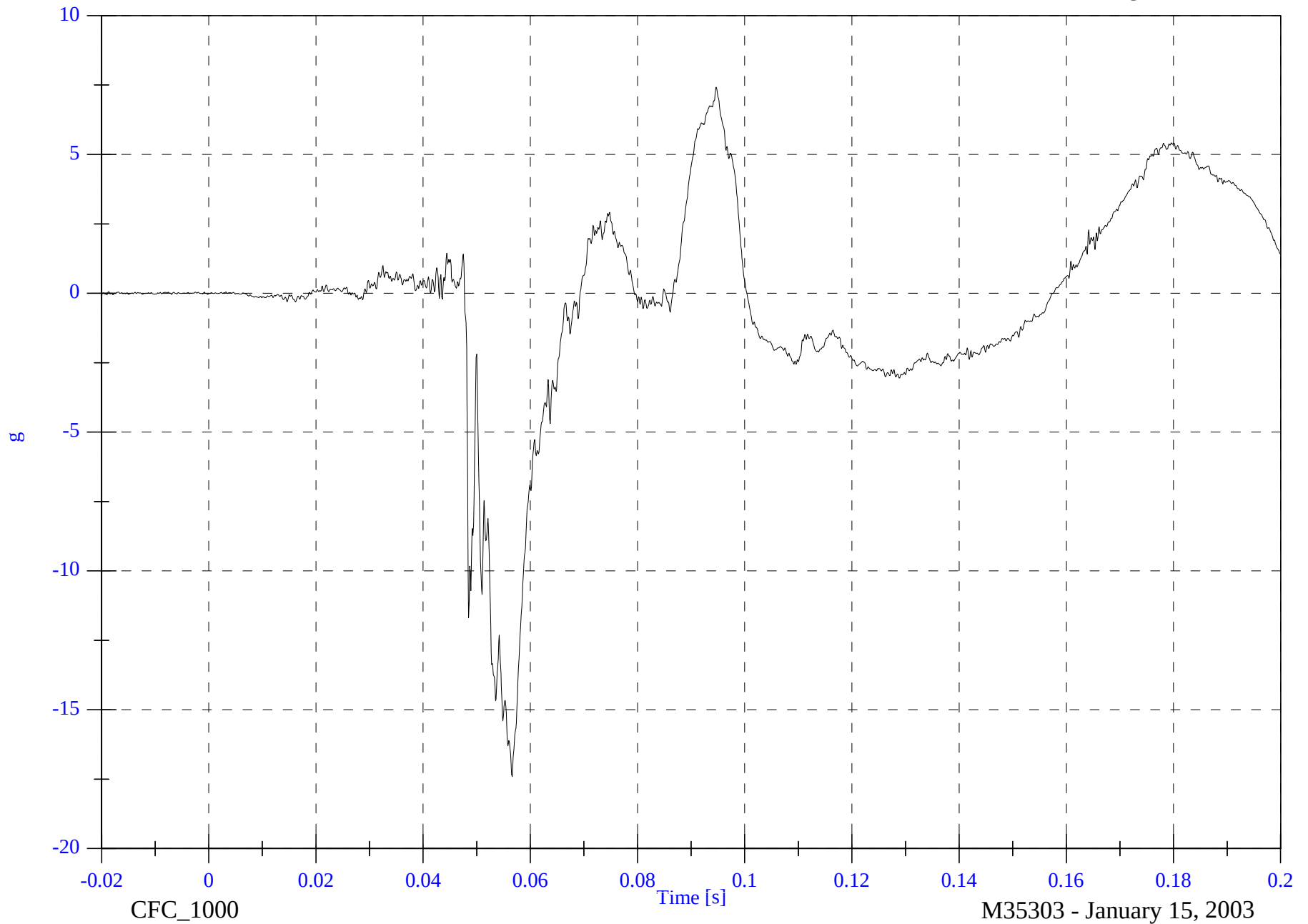
V2P4 Head x

Max: 7.4 [g] at 0.095 [s]

Min: -17.4 [g] at 0.057 [s]

B-29

8652-SENCAP-08



2003 SENCAP Test 3 2003 Honda Accord 2 Door

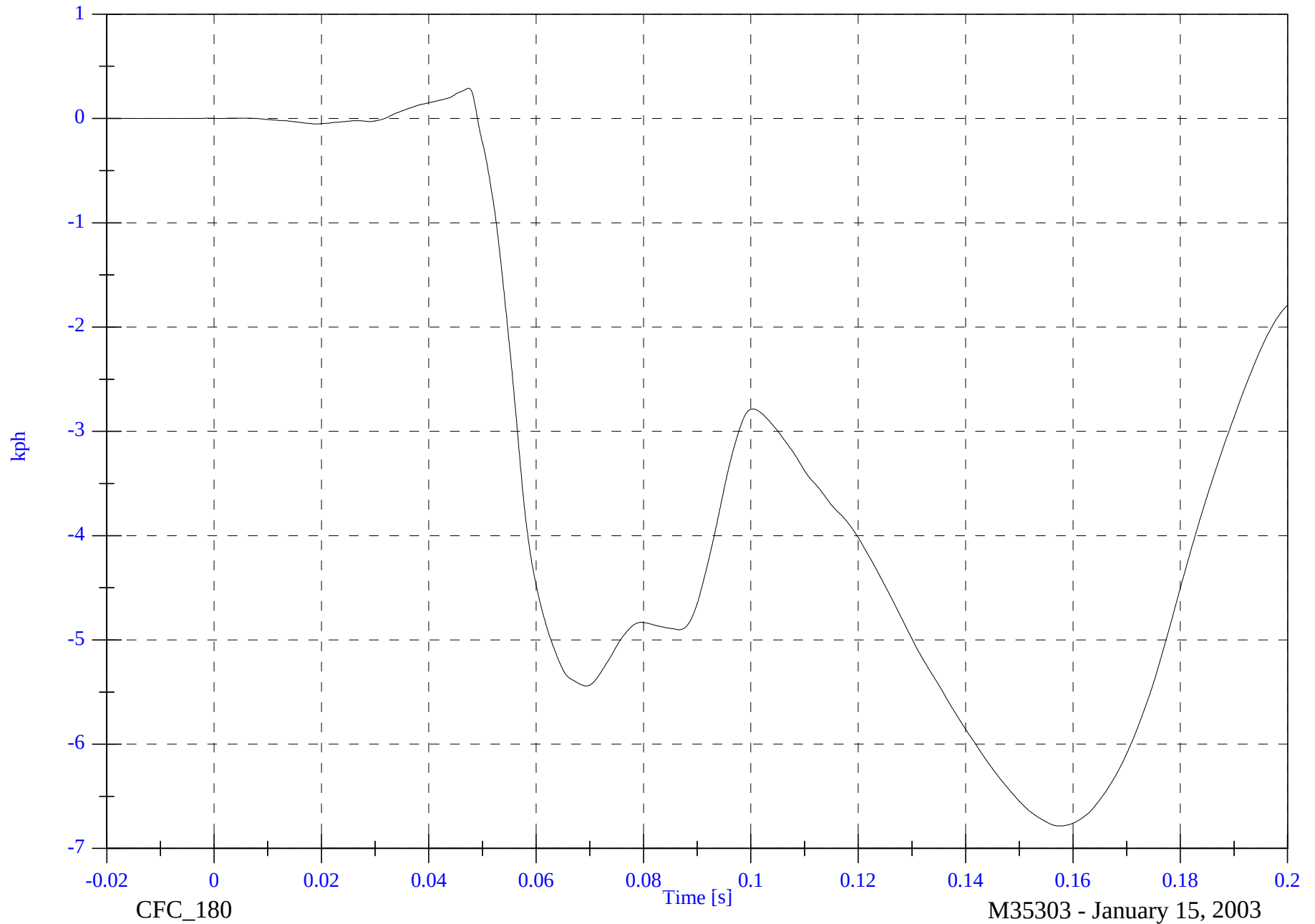
V2P4 Head x Velocity

Max: 0.3 [kph] at 0.047 [s]

Min: -6.8 [kph] at 0.157 [s]

B-30

8652-SENCAP-08



2003 SNCAP Test 3 2003 Honda Accord 2 Door

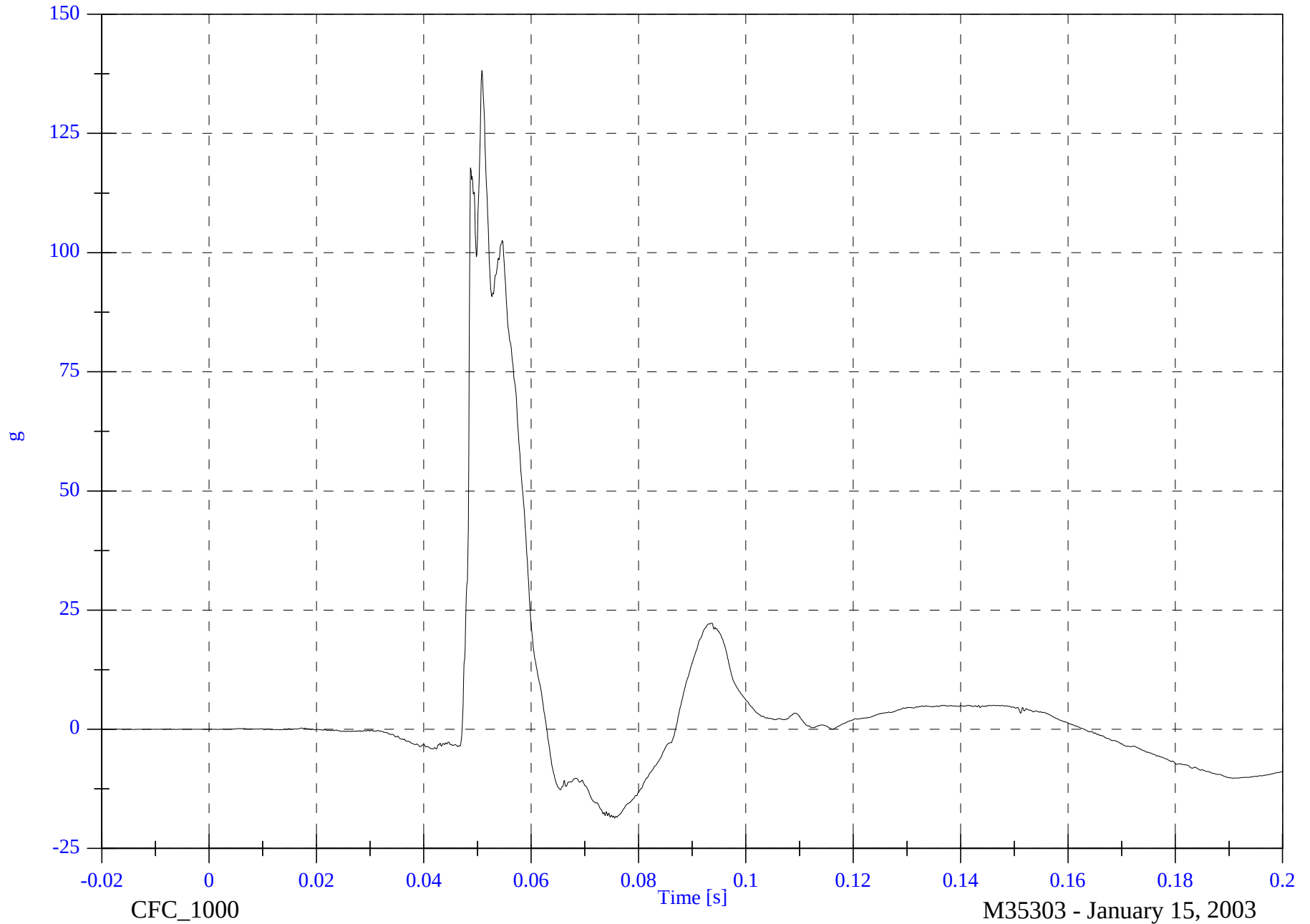
V2P4 Head y

Max: 138.2 [g] at 0.051 [s]

Min: -18.6 [g] at 0.076 [s]

B-31

8652-SNCAP-08

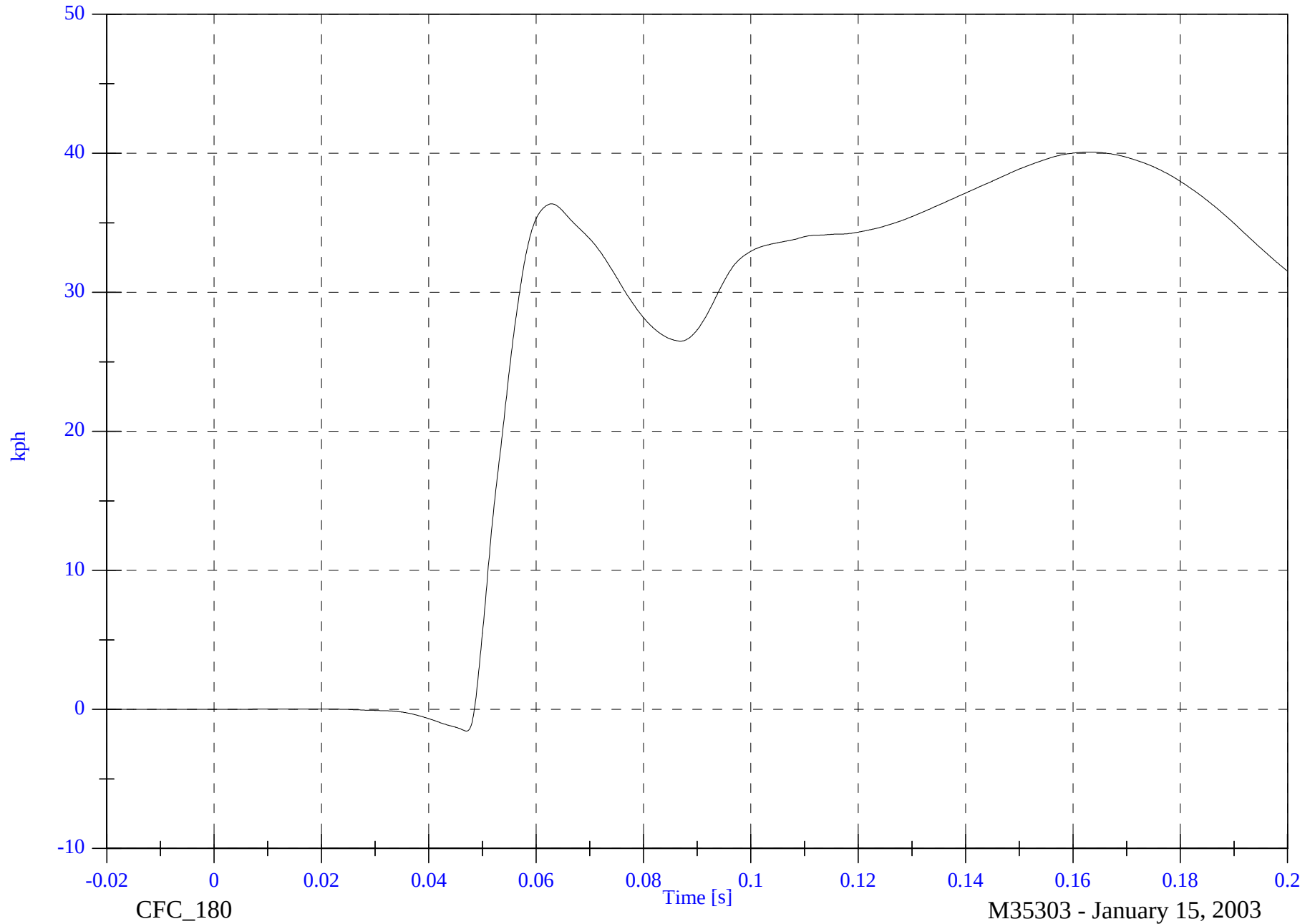


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P4 Head y Velocity

Max: 40.1 [kph] at 0.163 [s]

Min: -1.6 [kph] at 0.047 [s]



B-32

8652-SENCAP-08

2003 SENCAP Test 3 2003 Honda Accord 2 Door

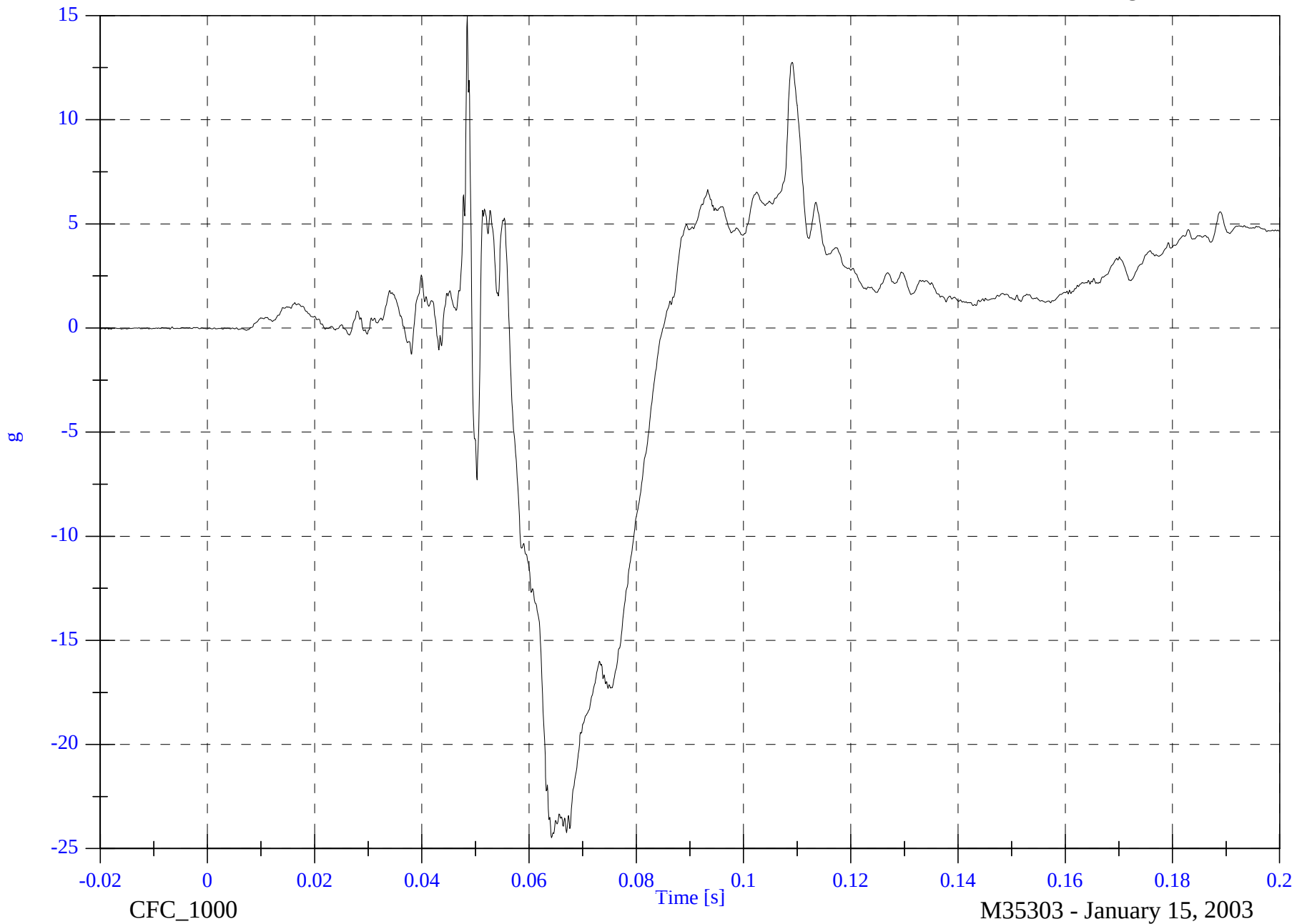
V2P4 Head z

Max: 15.0 [g] at 0.048 [s]

Min: -24.5 [g] at 0.064 [s]

B-33

8652-SENCAP-08

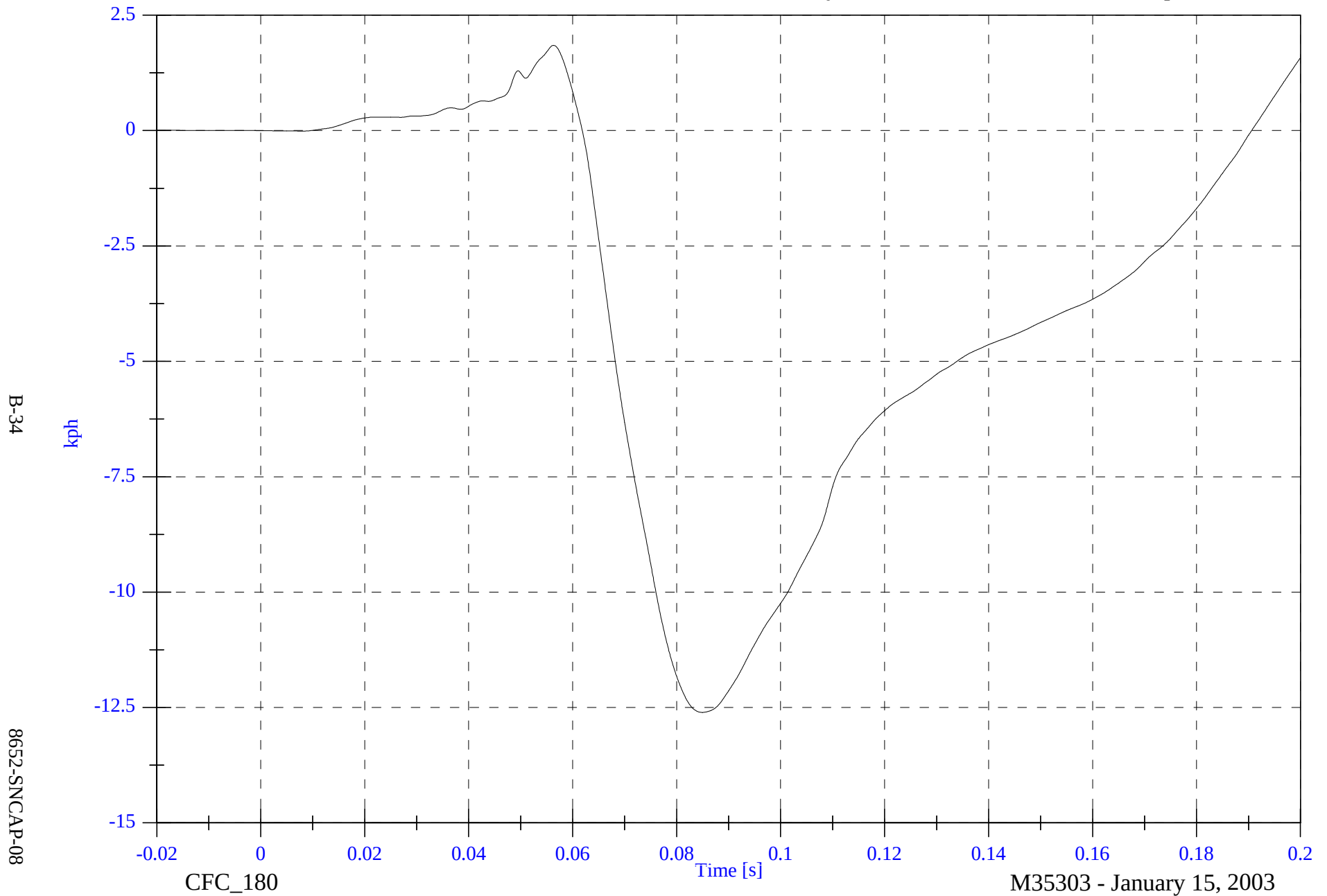


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Head z Velocity

Max: 1.8 [kph] at 0.056 [s]

Min: -12.6 [kph] at 0.085 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

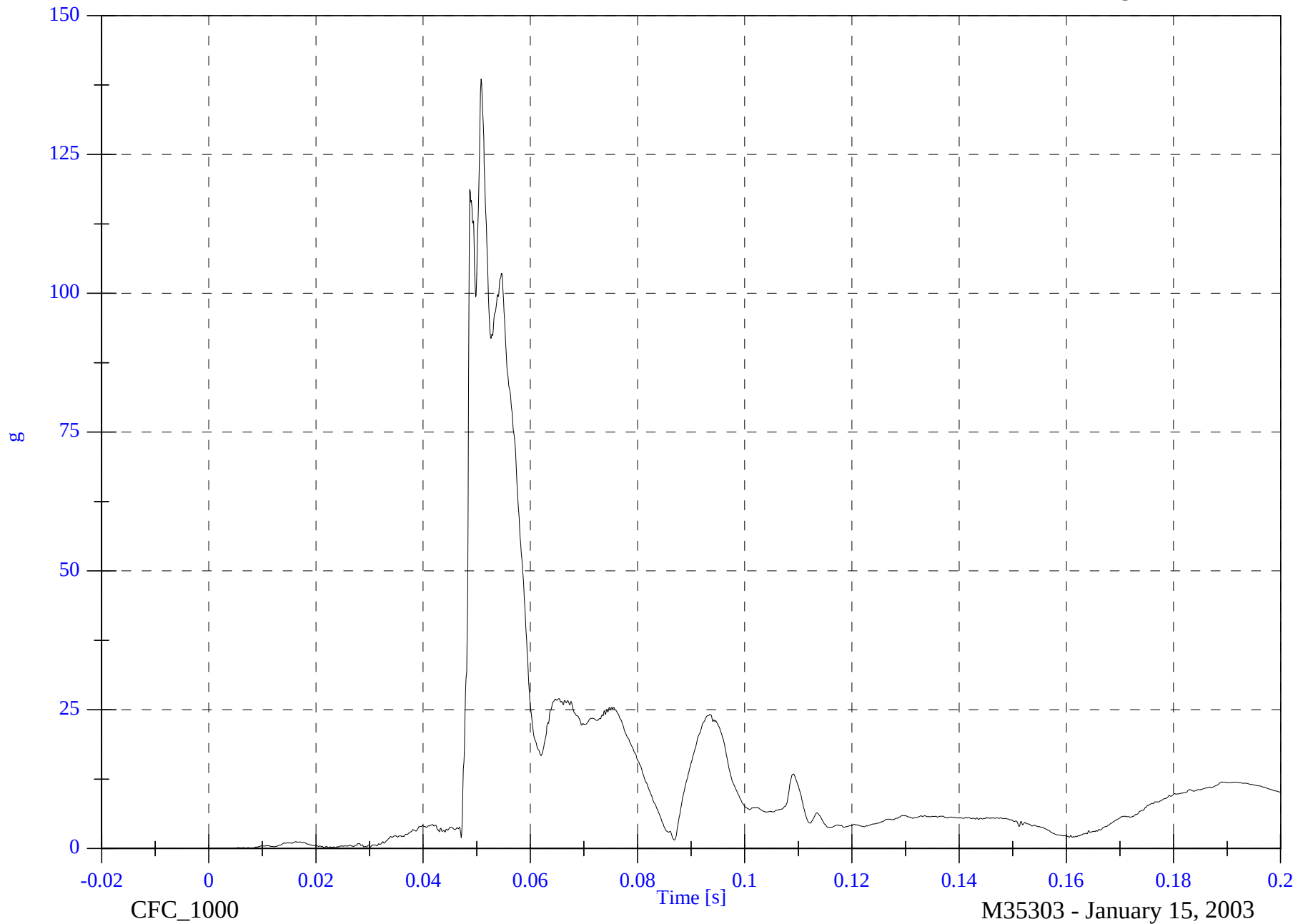
V2P4 Head Resultant

Max: 138.6 [g] at 0.051 [s]

Min: 0.0 [g] at -0.001 [s]

B-35

8652-SENCAP-08

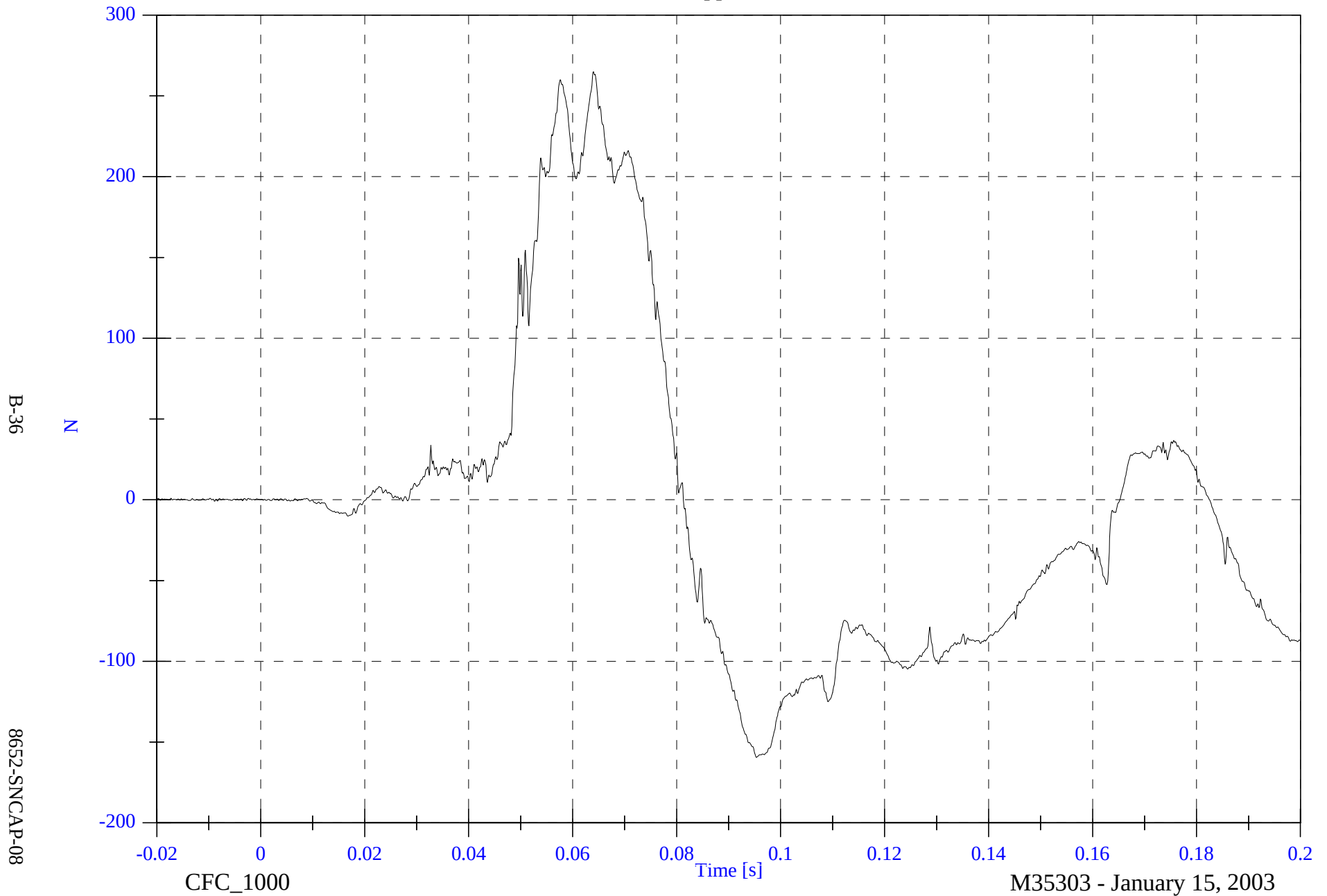


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Neck Fx

Max: 265.1 [N] at 0.064 [s]

Min: -159.4 [N] at 0.095 [s]

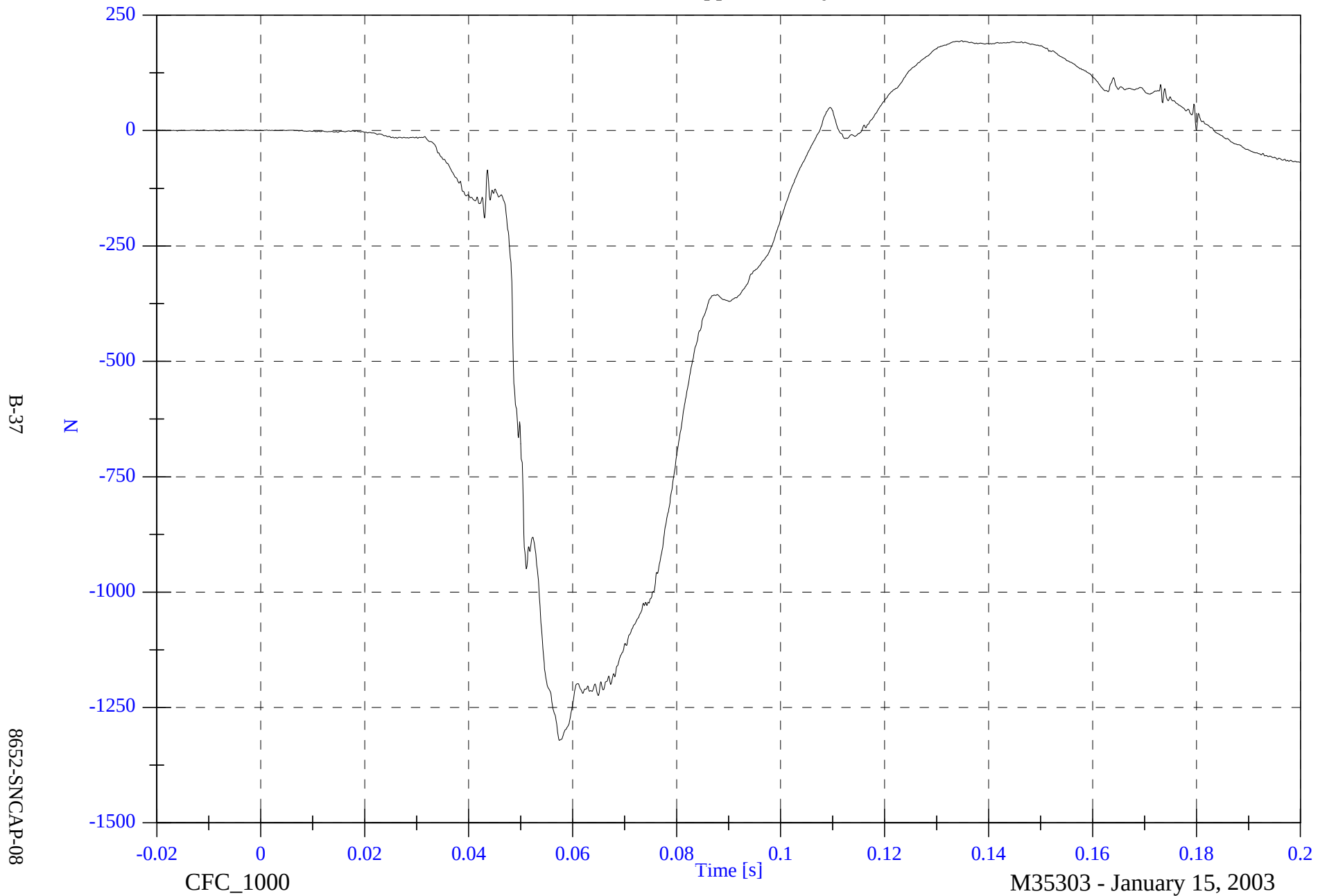


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Neck Fy

Max: 194.7 [N] at 0.135 [s]

Min: -1321.2 [N] at 0.057 [s]

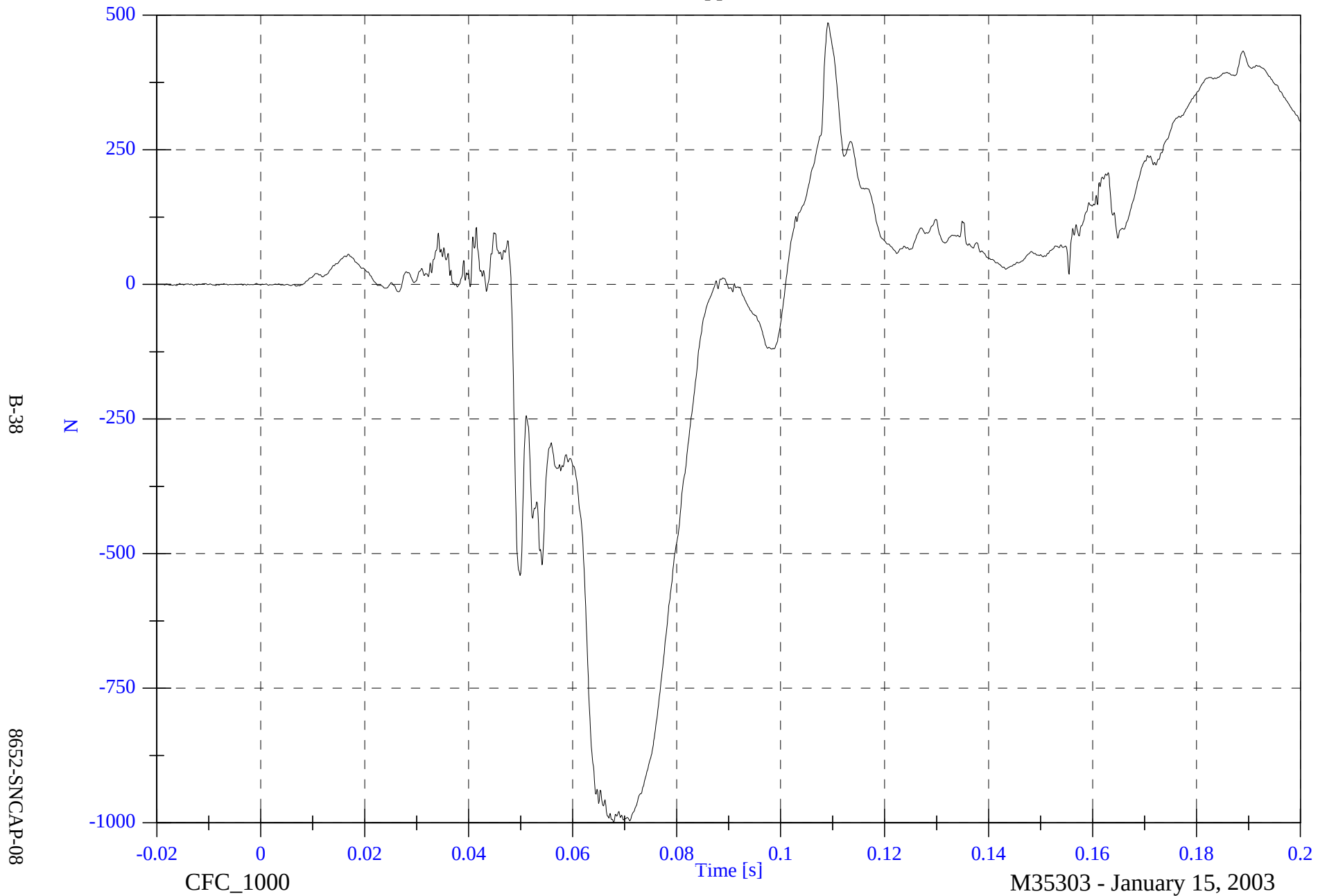


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Neck Fz

Max: 485.9 [N] at 0.109 [s]

Min: -999.4 [N] at 0.068 [s]

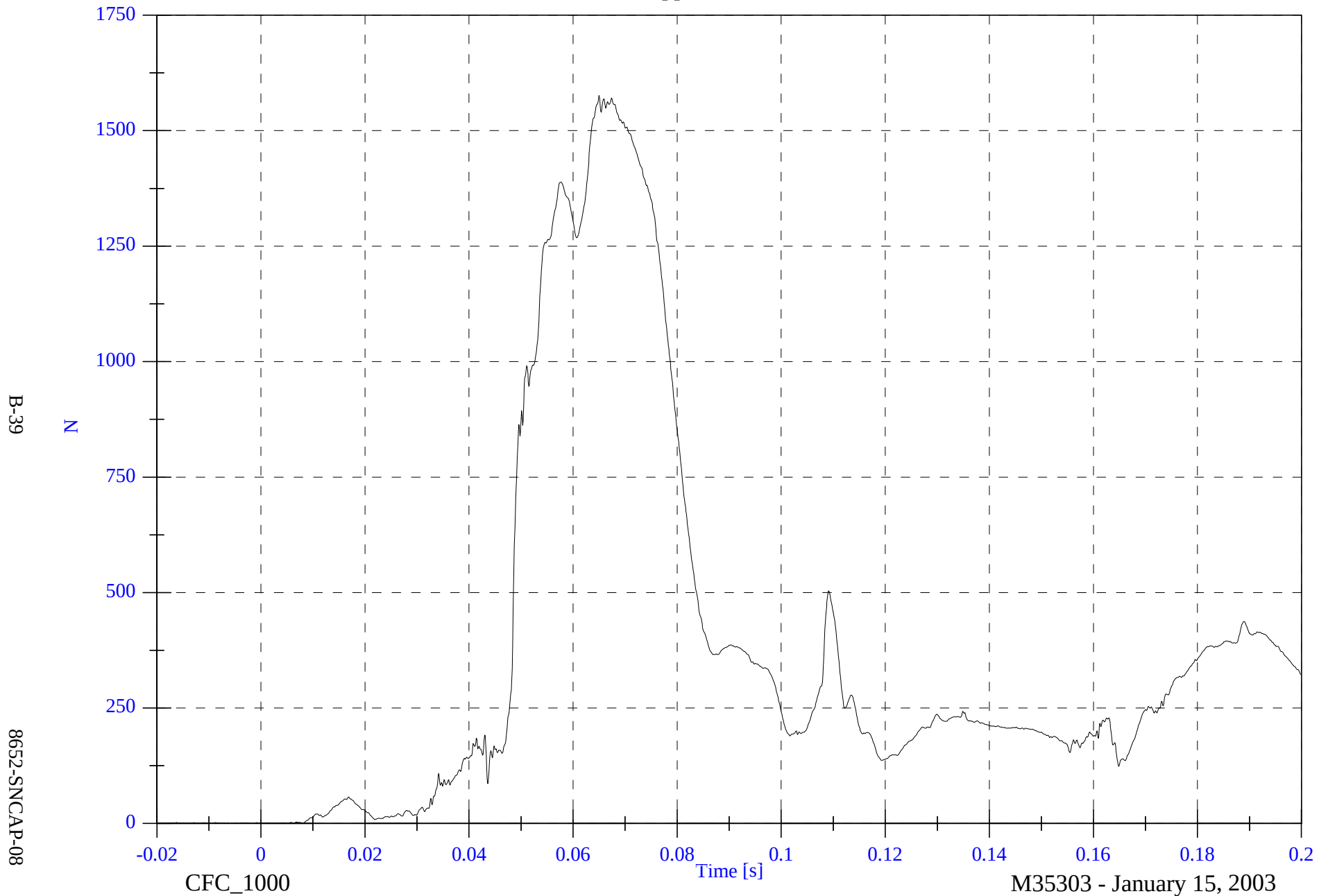


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Neck F Resultant

Max: 1576.1 [N] at 0.065 [s]

Min: 0.1 [N] at -0.011 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Neck Mx

Max: 16.3 [N-m] at 0.142 [s]

Min: -58.2 [N-m] at 0.072 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Neck My

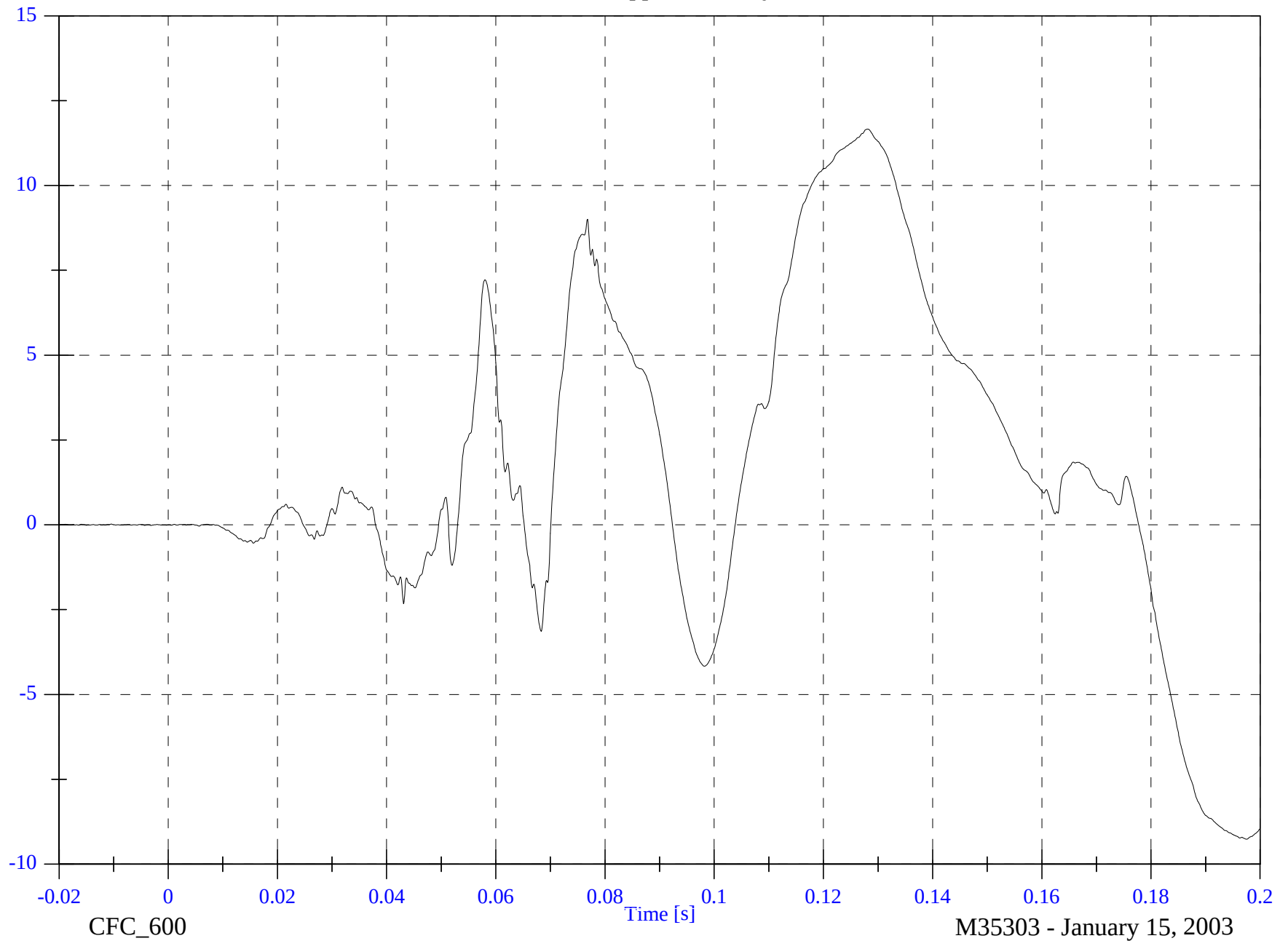
Max: 11.7 [N-m] at 0.128 [s]

Min: -9.3 [N-m] at 0.198 [s]

B-41

N-m

8652-SNCAP-08

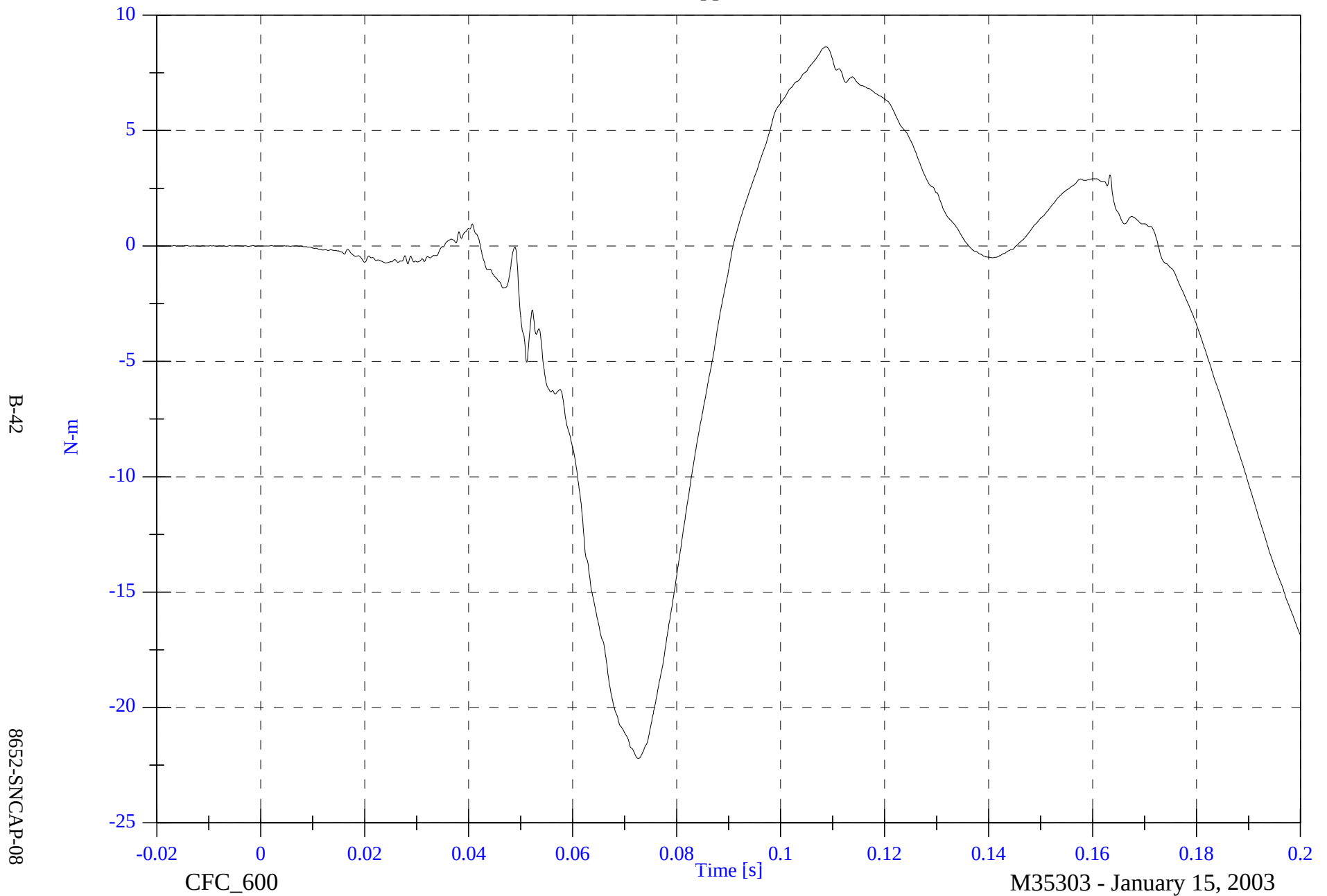


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Neck Mz

Max: 8.6 [N-m] at 0.109 [s]

Min: -22.2 [N-m] at 0.073 [s]

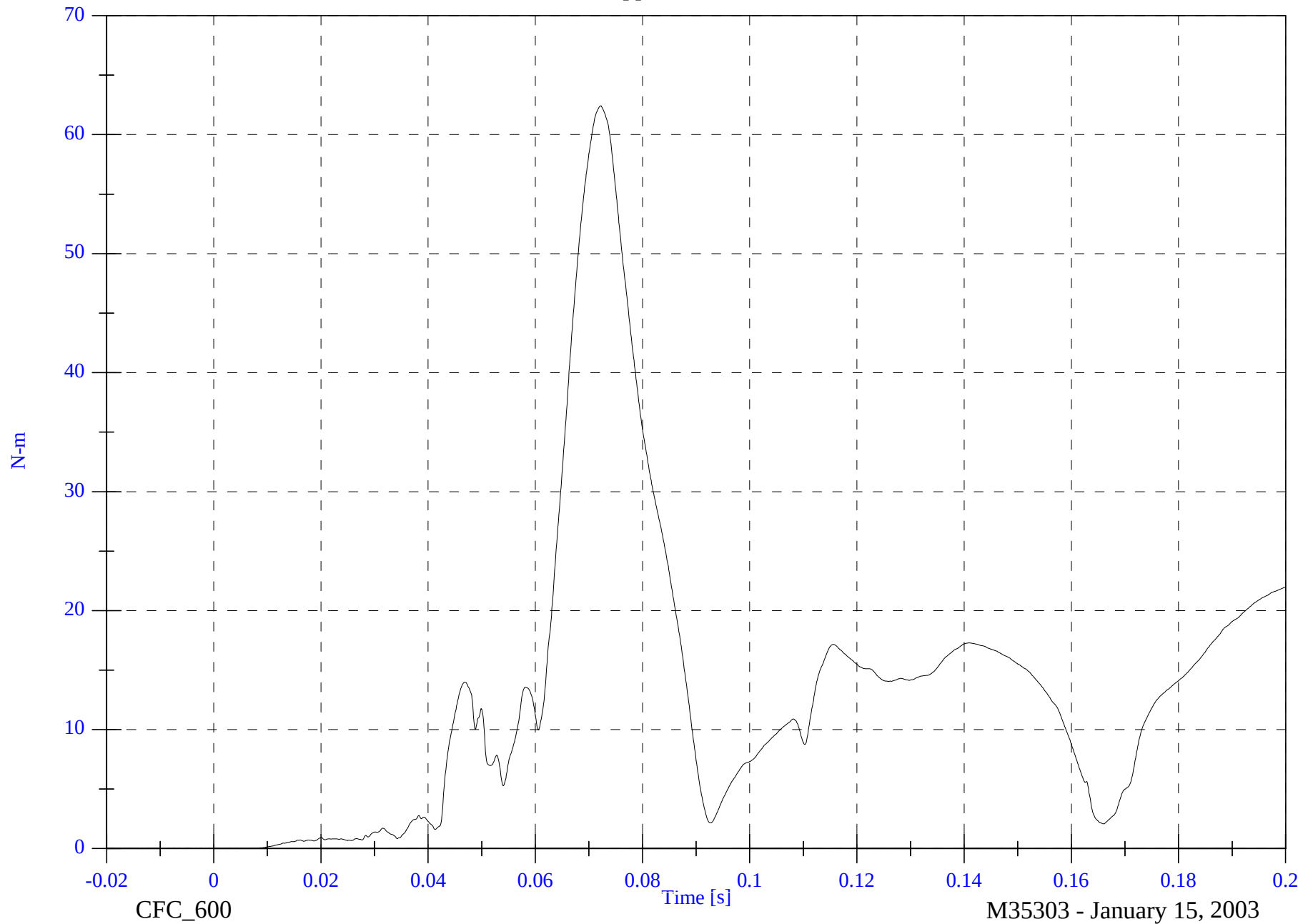


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Neck M Resultant

Max: 62.4 [N-m] at 0.072 [s]

Min: 0.0 [N-m] at -0.013 [s]



B-43

8652-SNCAP-08

CFC_600

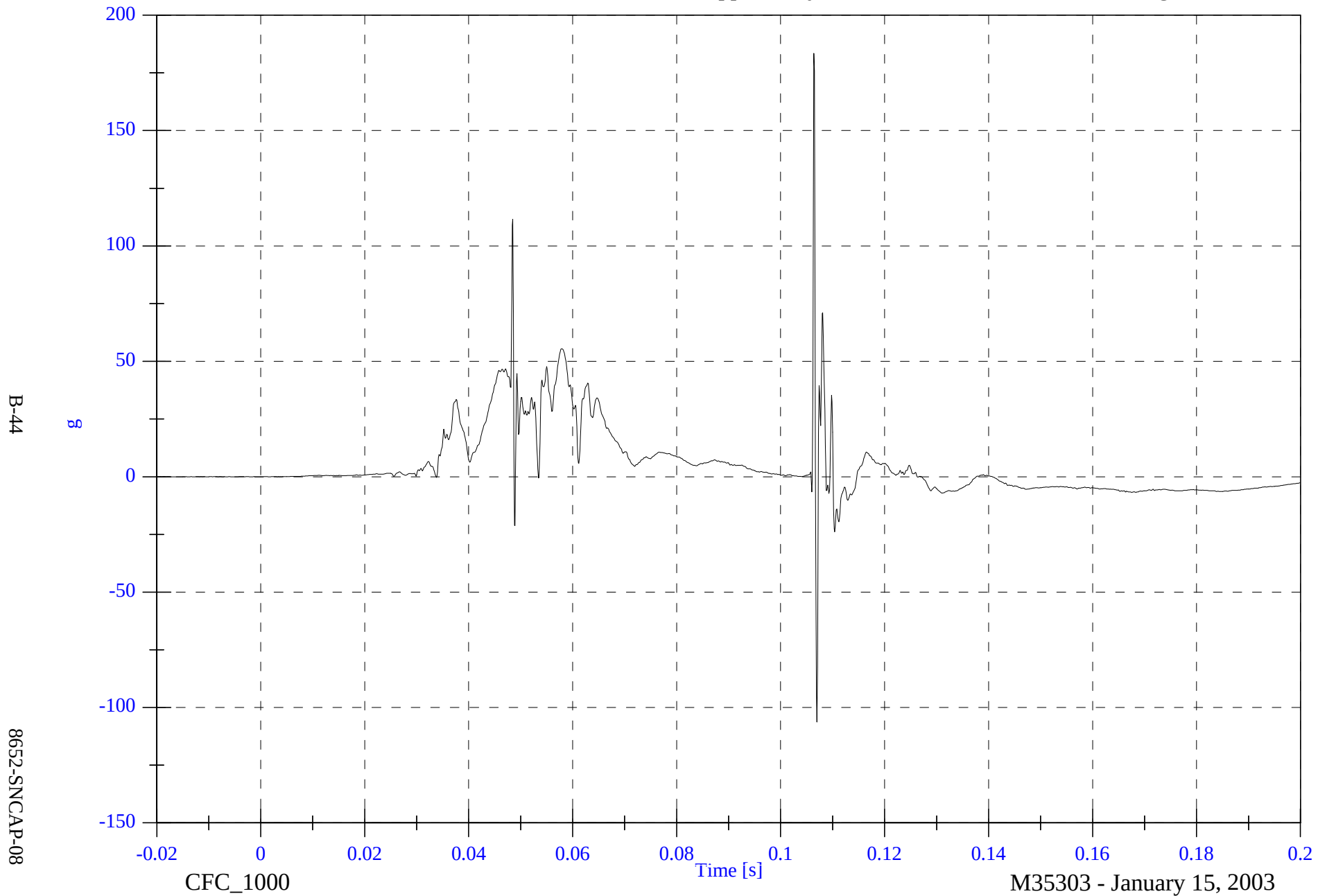
M35303 - January 15, 2003

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Rib y

Max: 183.5 [g] at 0.106 [s]

Min: -106.3 [g] at 0.107 [s]

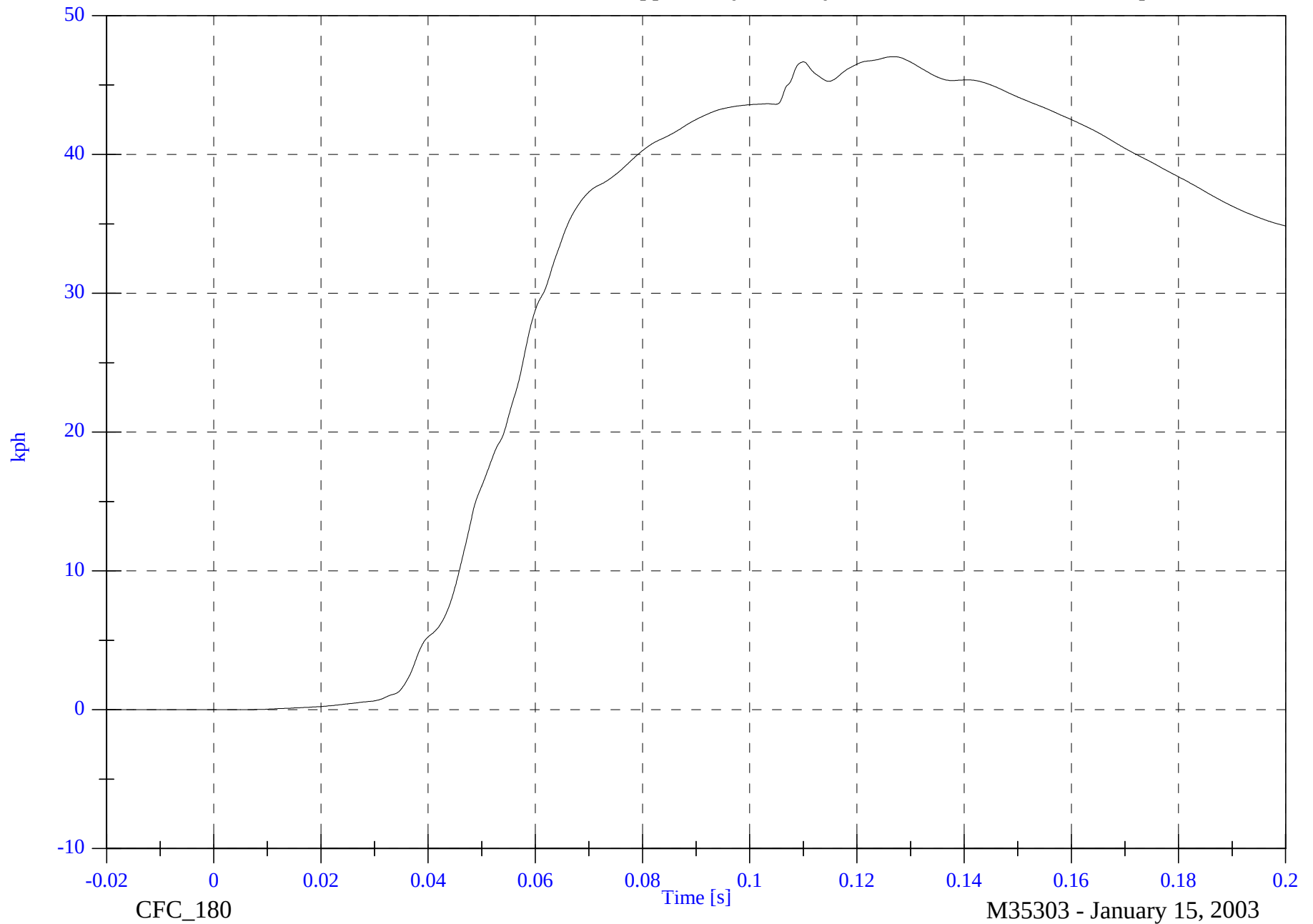


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Rib y Velocity

Max: 47.0 [kph] at 0.127 [s]

Min: -0.0 [kph] at -0.020 [s]



B-45

8652-SNCAP-08

CFC_180

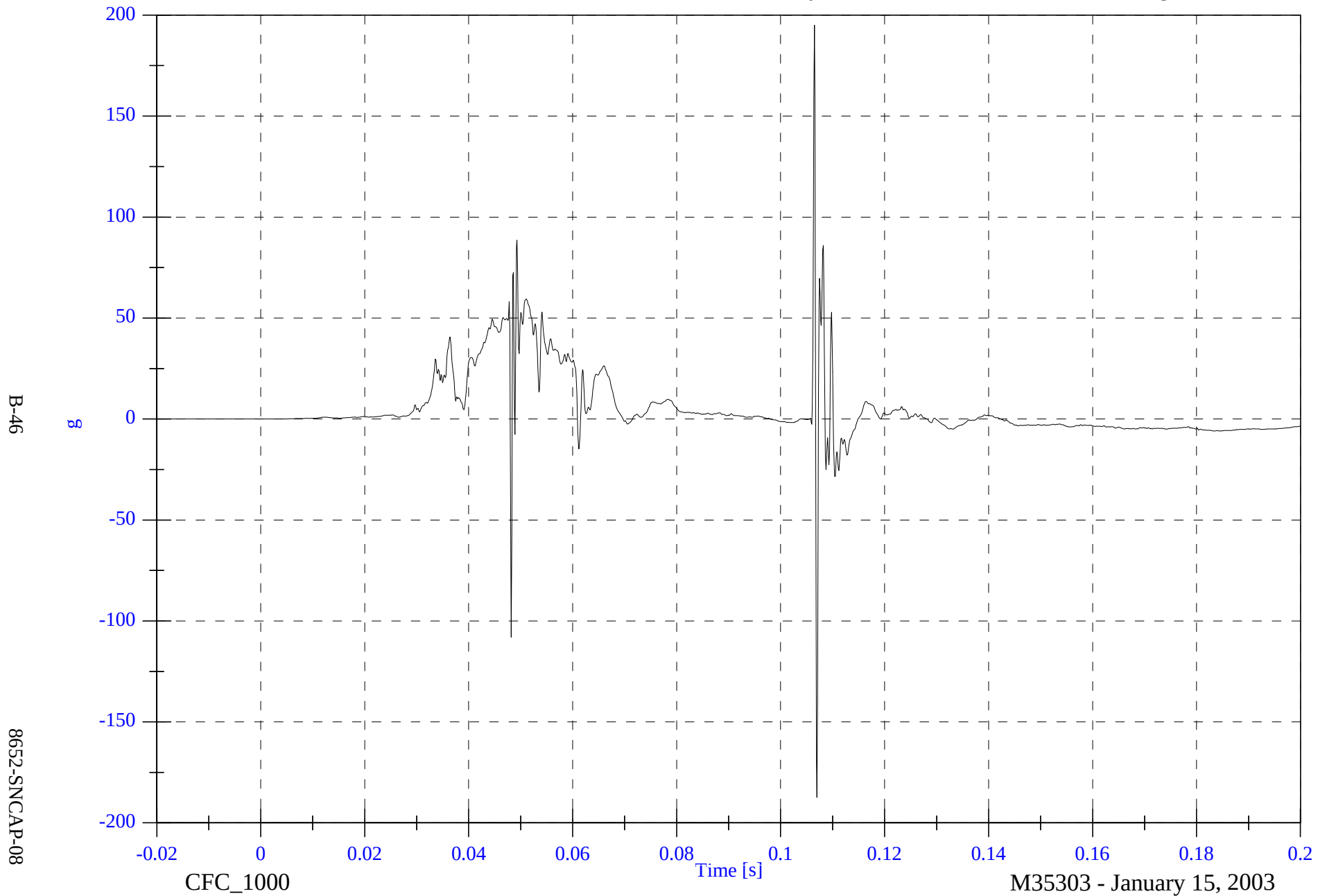
M35303 - January 15, 2003

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Rib y

Max: 195.1 [g] at 0.106 [s]

Min: -187.4 [g] at 0.107 [s]

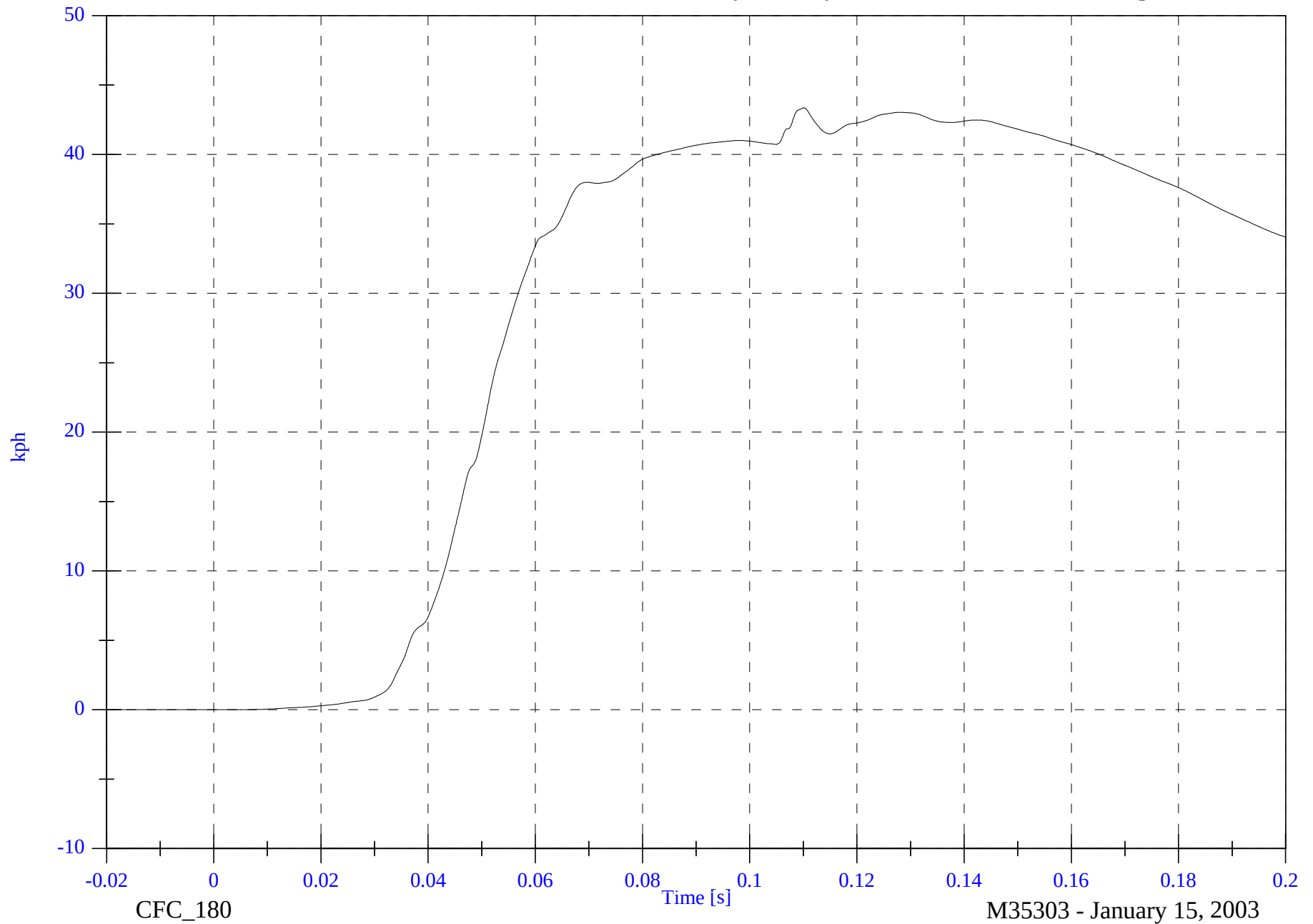


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Rib y Velocity

Max: 43.4 [kph] at 0.110 [s]

Min: -0.0 [kph] at -0.020 [s]



B-47

8652-SNCAP-08

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Spine y

Max: 56.5 [g] at 0.050 [s]

Min: -10.3 [g] at 0.078 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

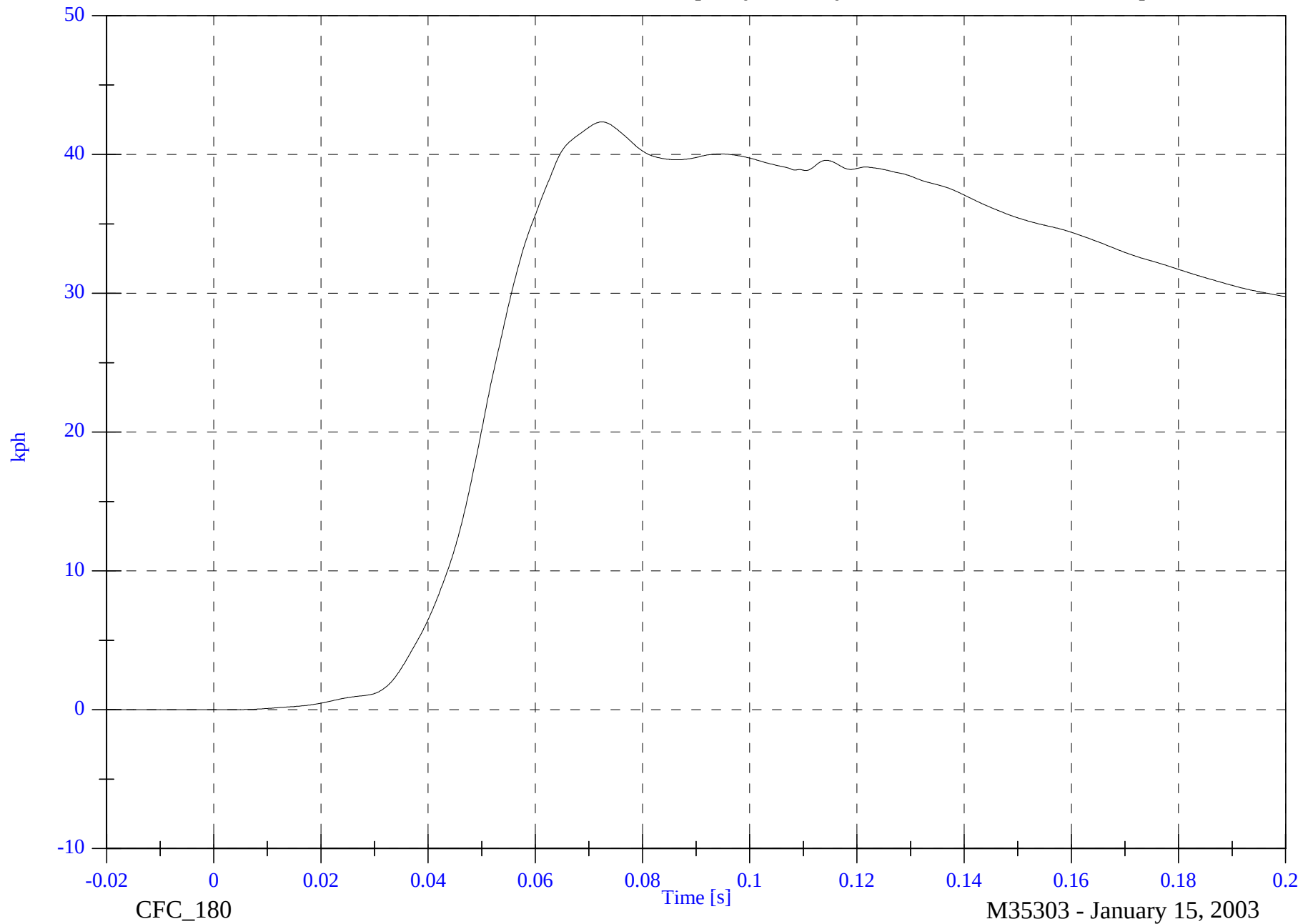
V2P4 Lower Spine y Velocity

Max: 42.3 [kph] at 0.072 [s]

Min: -0.0 [kph] at -0.018 [s]

B-49

8652-SNCAP-08

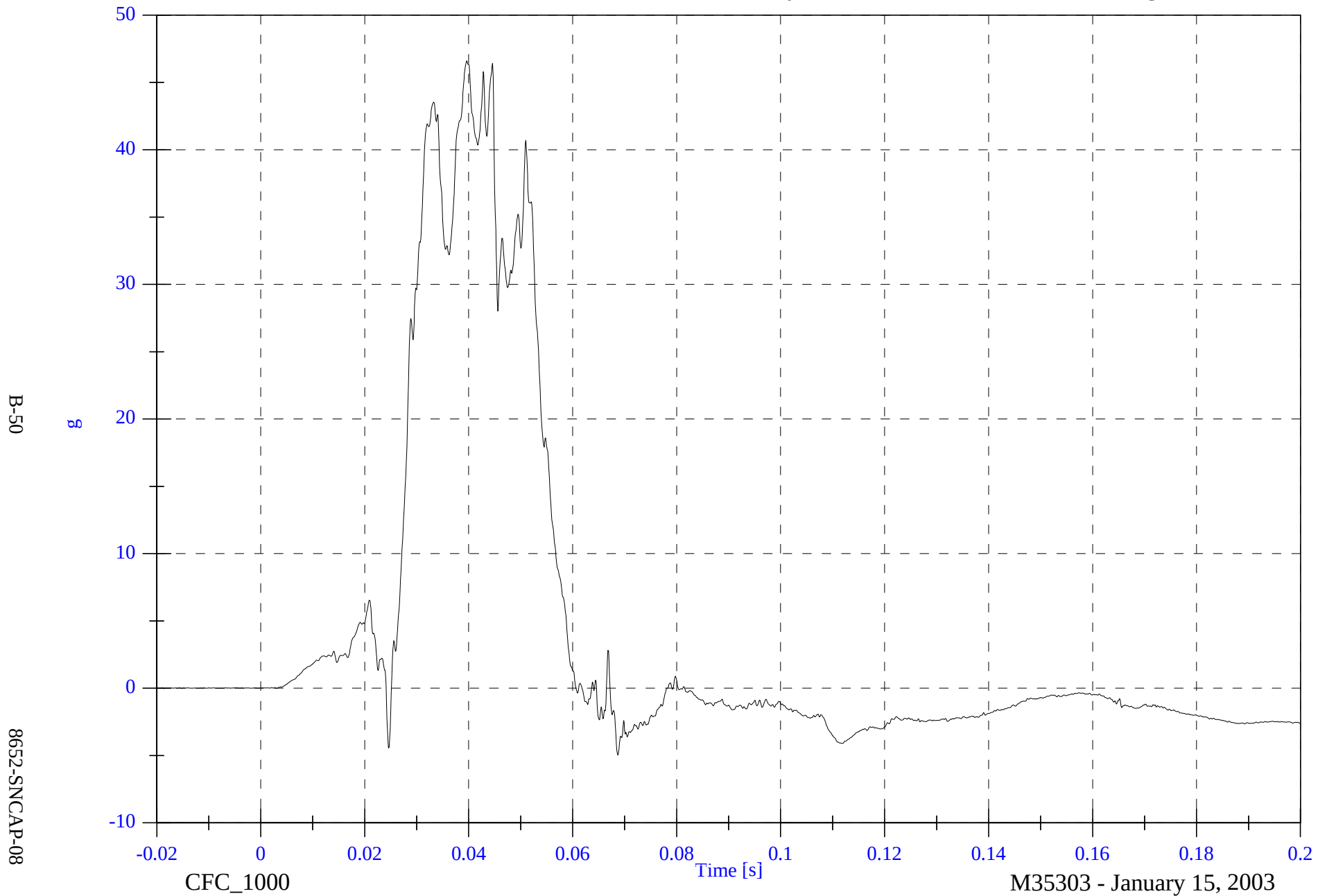


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Pelvic y

Max: 46.6 [g] at 0.040 [s]

Min: -5.0 [g] at 0.069 [s]

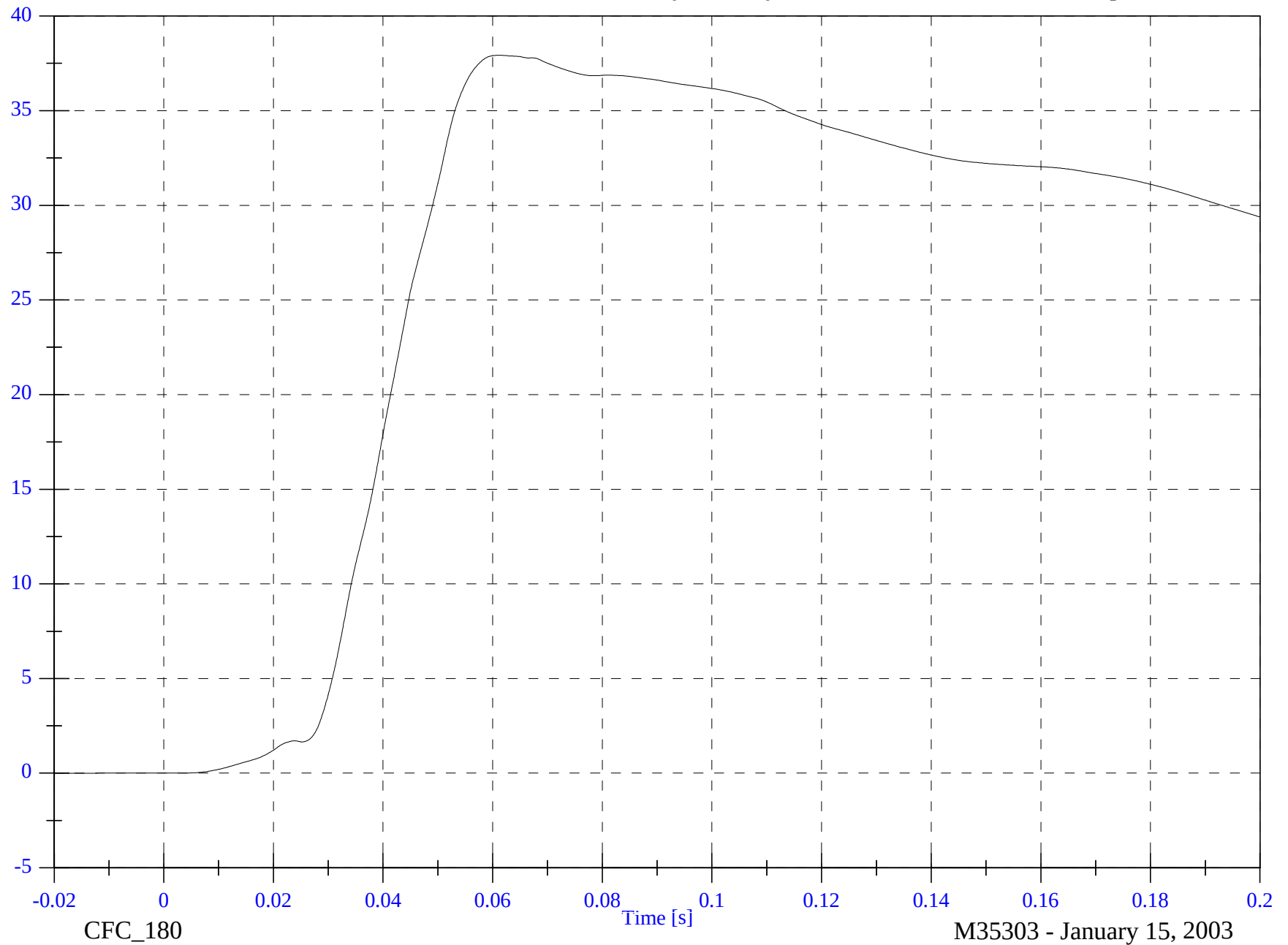


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Pelvic y Velocity

Max: 37.9 [kph] at 0.061 [s]

Min: -0.0 [kph] at -0.020 [s]



B-51

8652-SNCAP-08

2003 SENCAP Test 3 2003 Honda Accord 2 Door

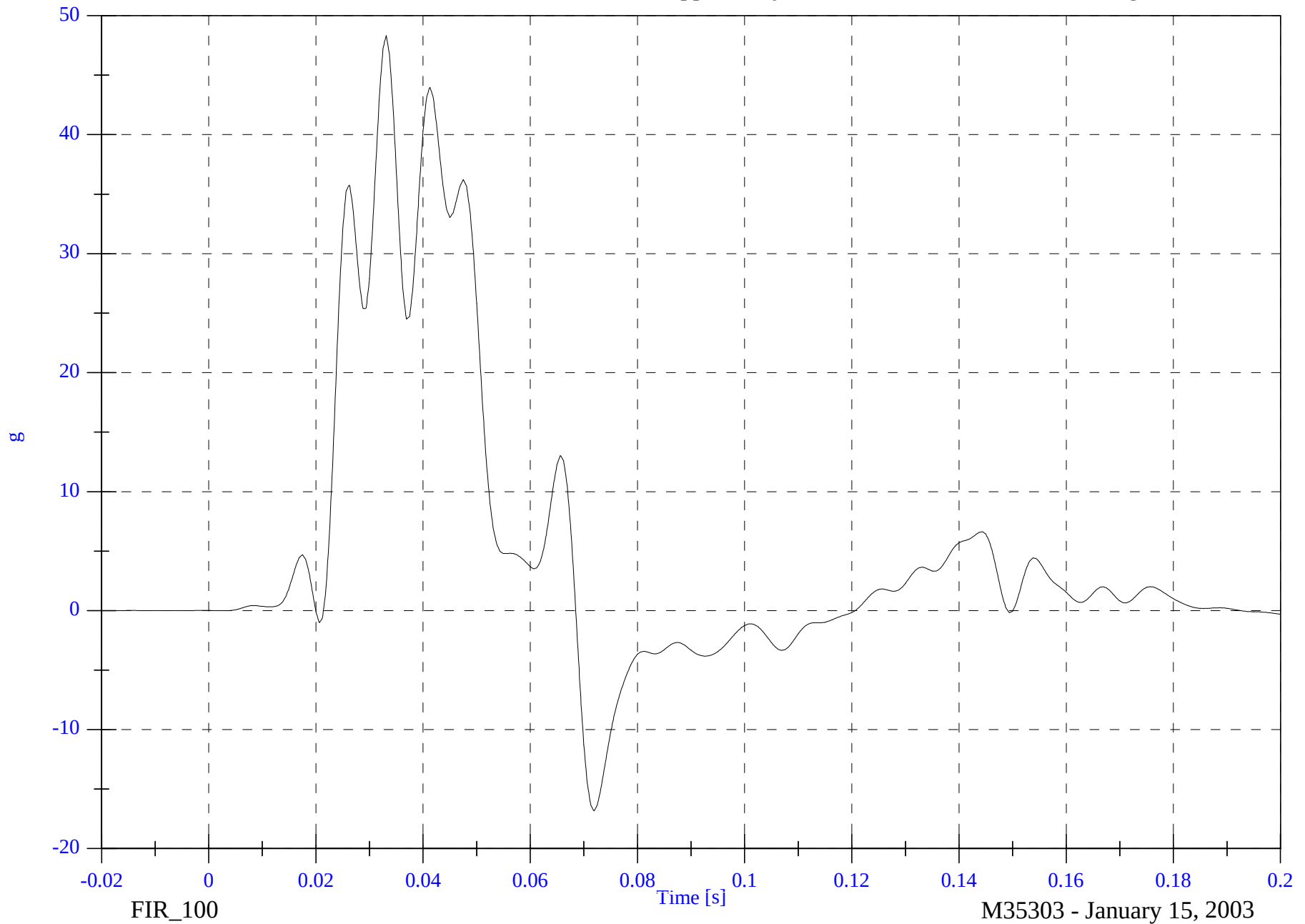
V2P1 Upper Rib y

Max: 48.3 [g] at 0.033 [s]

Min: -16.8 [g] at 0.072 [s]

B-52

8652-SNCAP-08

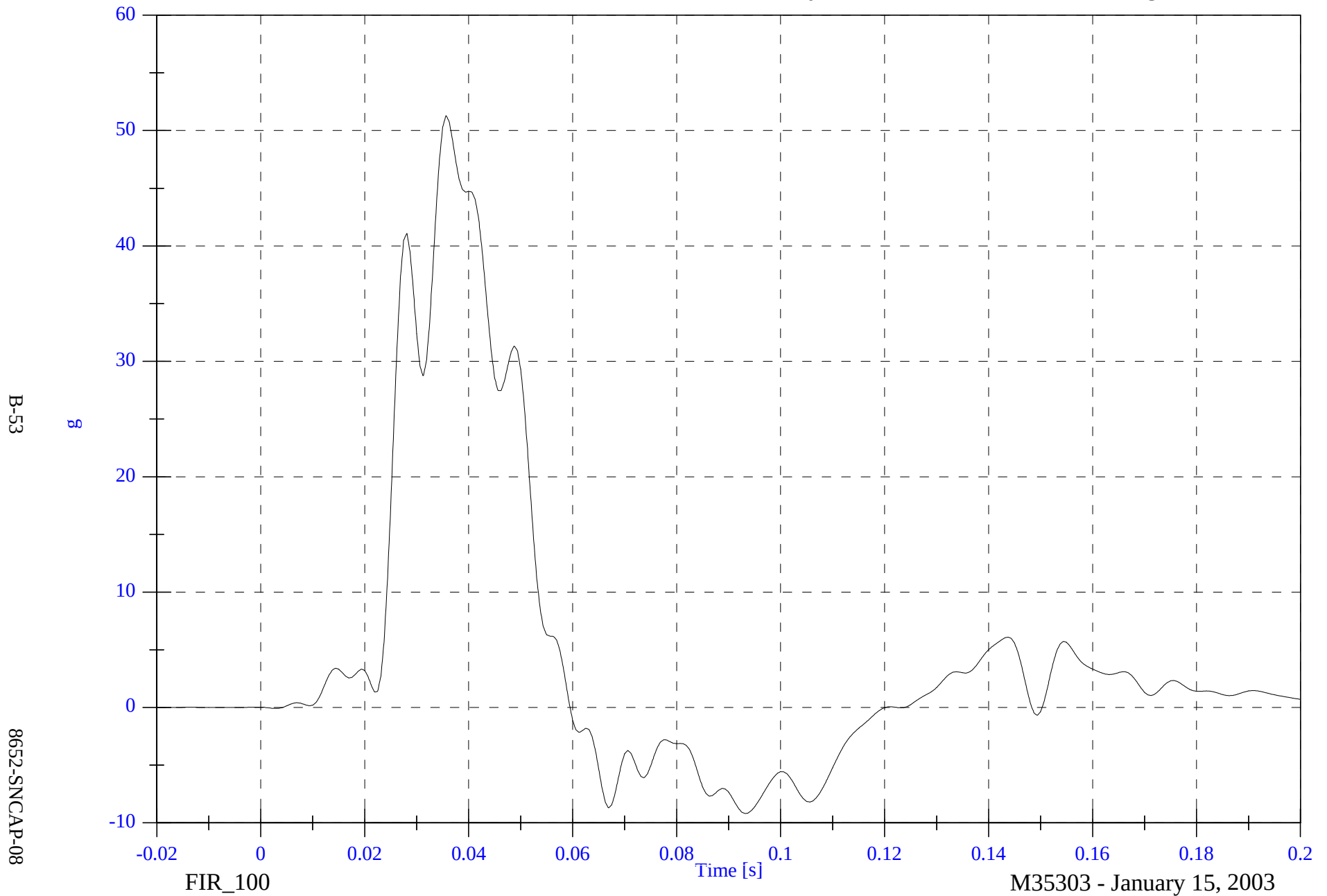


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Lower Rib y

Max: 51.3 [g] at 0.036 [s]

Min: -9.2 [g] at 0.093 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P1 Lower Spine y

Max: 59.8 [g] at 0.035 [s]

Min: -10.7 [g] at 0.095 [s]

B-54

8652-SNCRAP-08

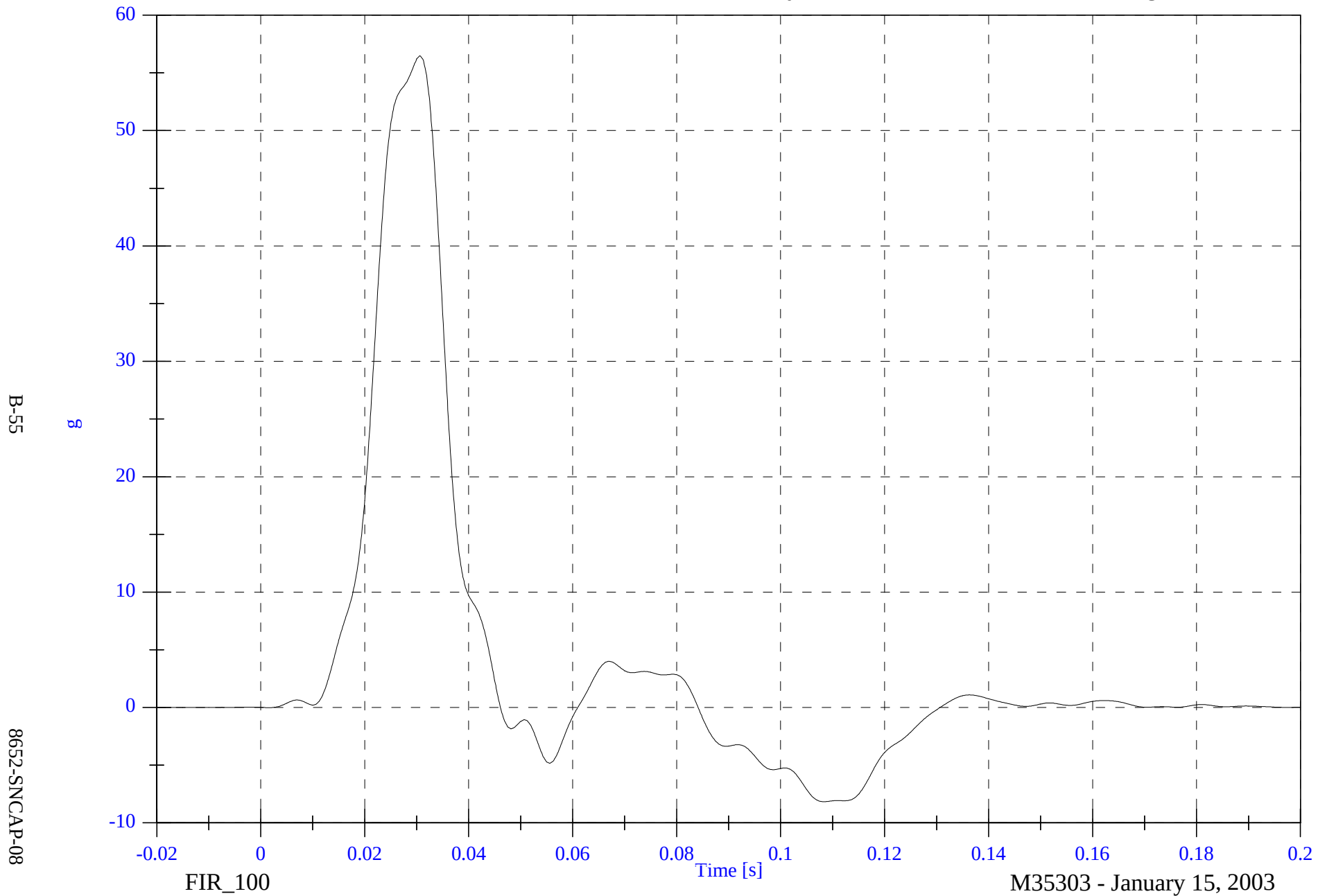


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Pelvic y

Max: 56.5 [g] at 0.031 [s]

Min: -8.2 [g] at 0.108 [s]

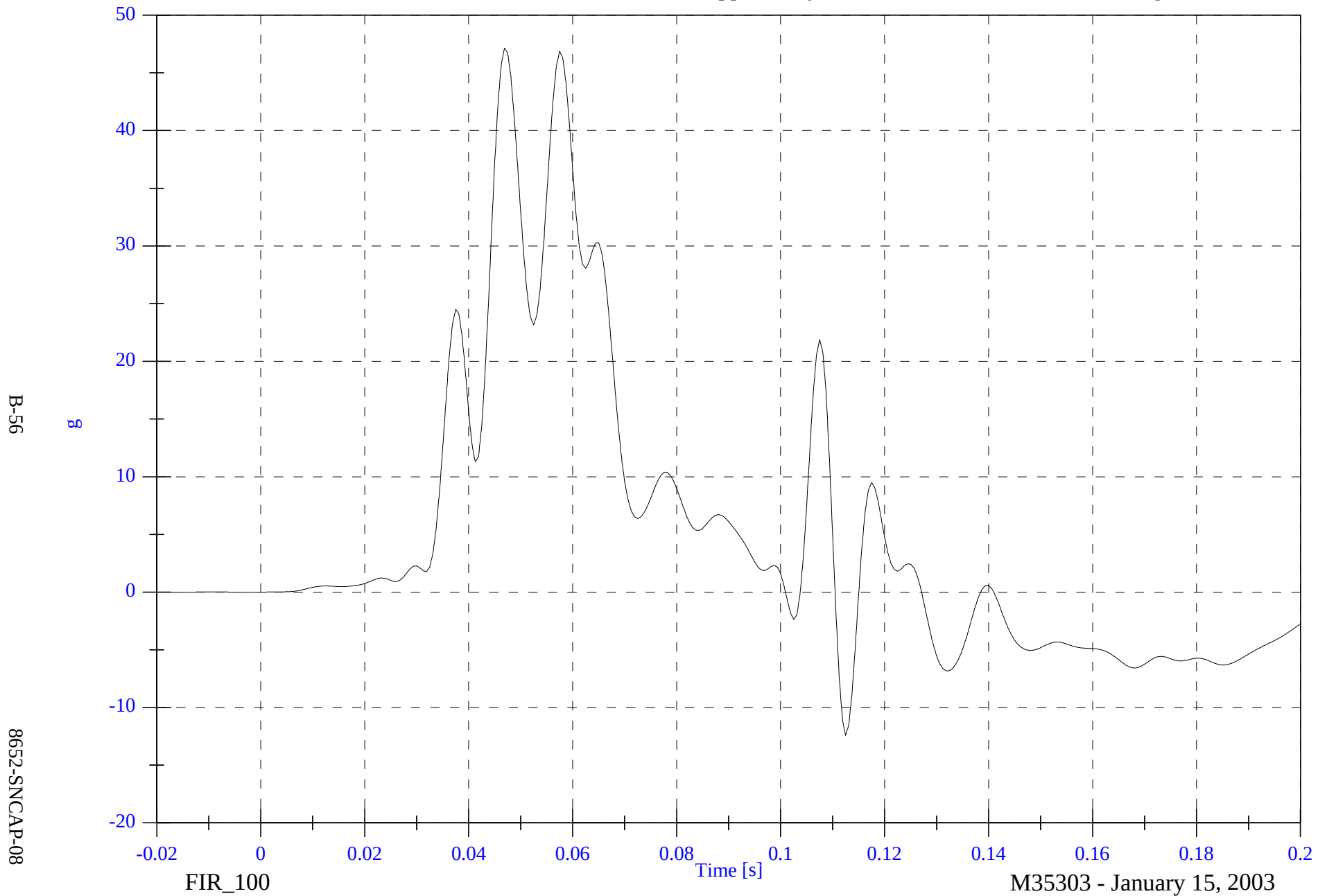


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Rib y

Max: 47.1 [g] at 0.047 [s]

Min: -12.4 [g] at 0.112 [s]

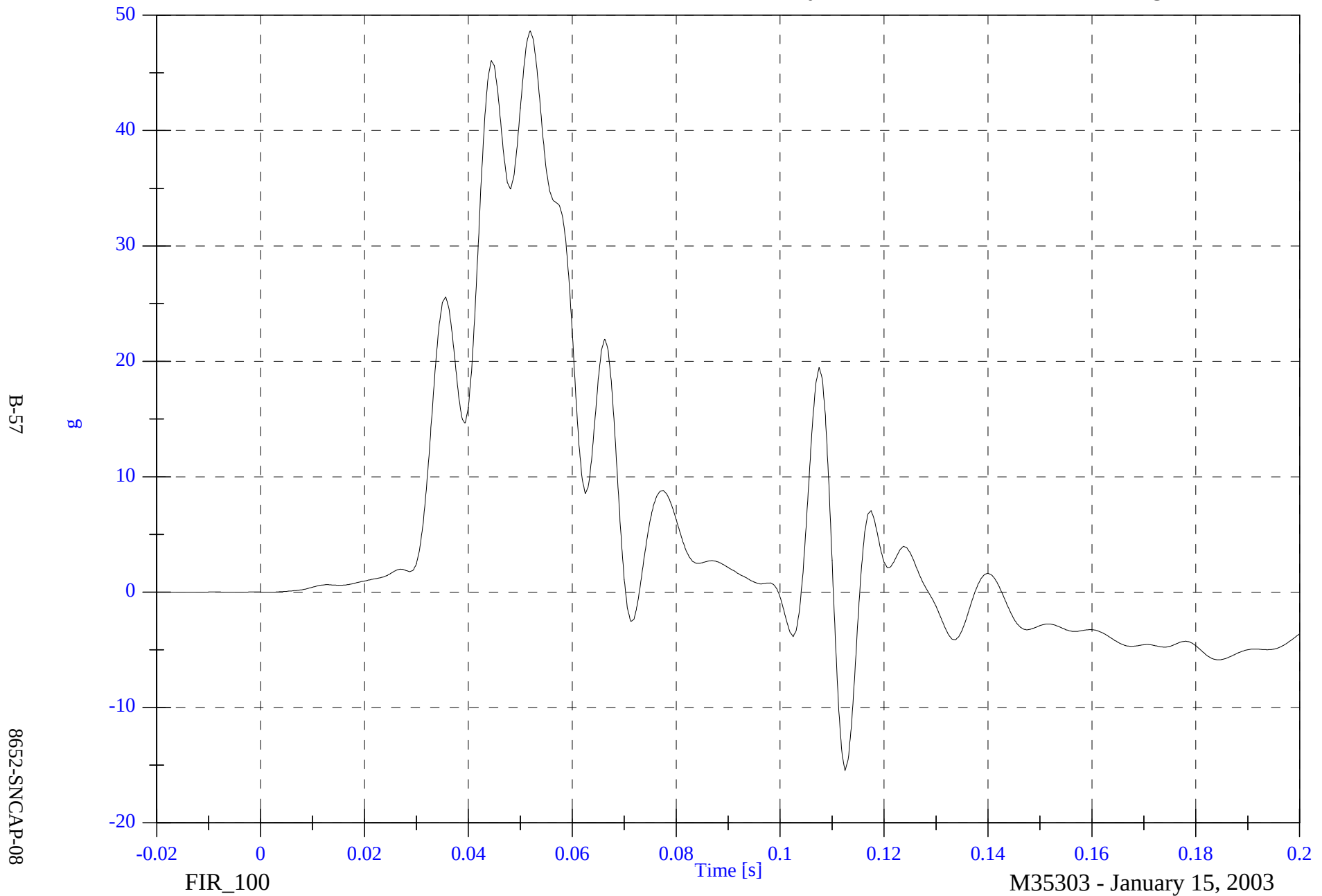


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Rib y

Max: 48.6 [g] at 0.052 [s]

Min: -15.5 [g] at 0.112 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Spine y

Max: 54.6 [g] at 0.050 [s]

Min: -10.5 [g] at 0.077 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

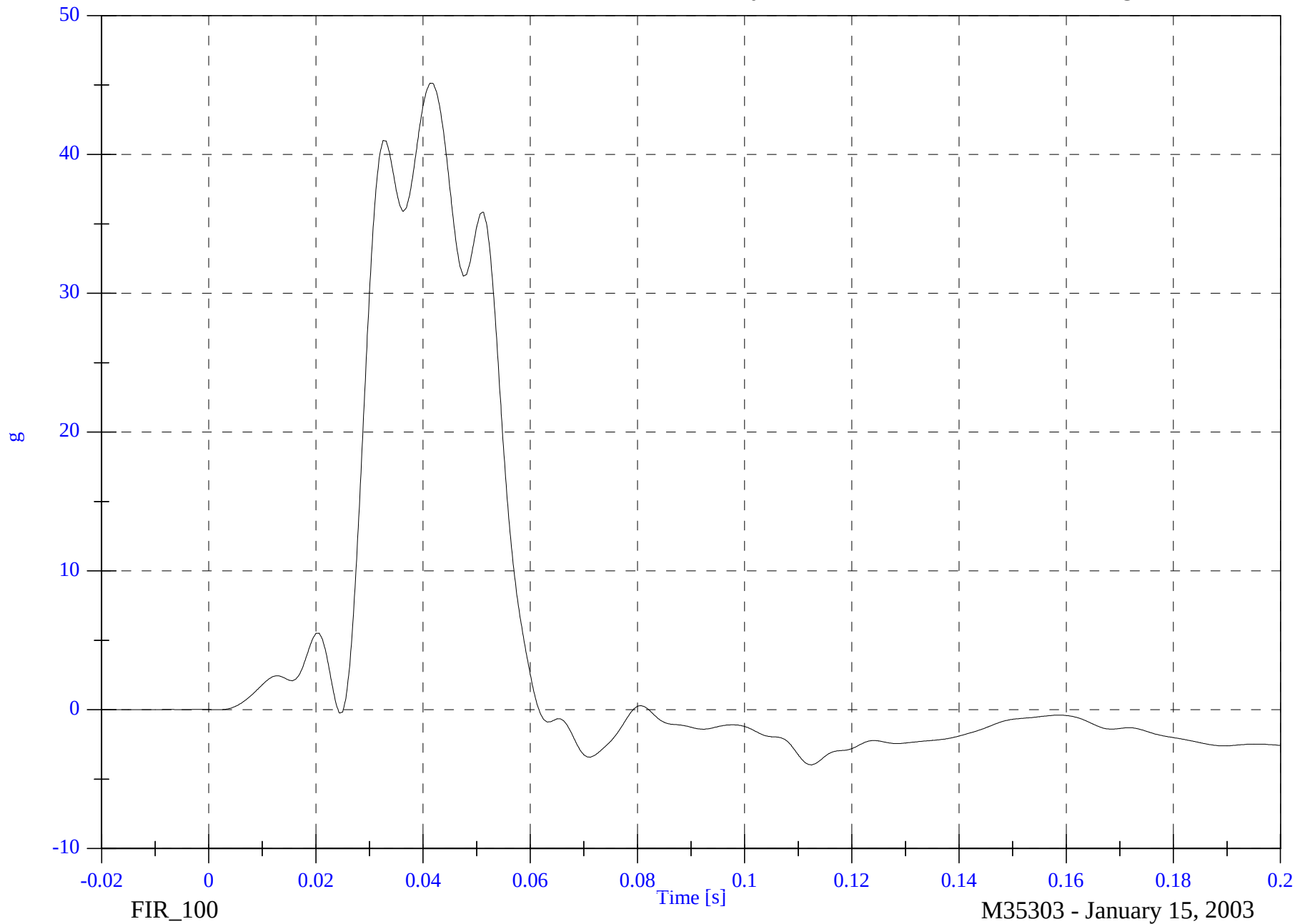
V2P4 Pelvic y

Max: 45.1 [g] at 0.041 [s]

Min: -4.0 [g] at 0.112 [s]

B-59

8652-SENCAP-08

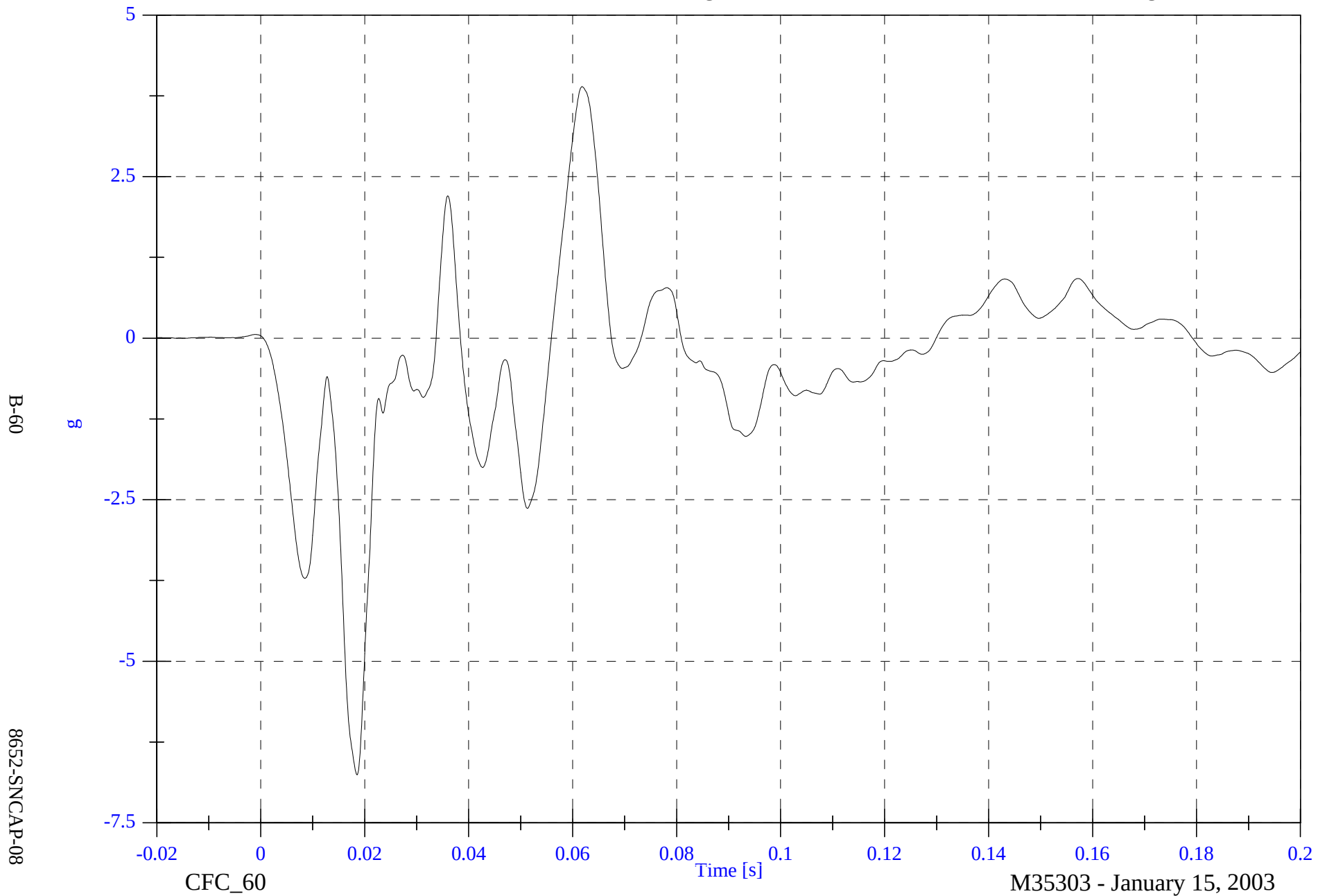


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A1 Right Front Sill x

Max: 3.9 [g] at 0.062 [s]

Min: -6.8 [g] at 0.018 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A1 Right Front Sill x Velocity

Max: 0.0 [kph] at 0.001 [s]

Min: -3.2 [kph] at 0.130 [s]

B-61

8652-SENCAP-08



2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A1 Right Front Sill y

Max: 19.8 [g] at 0.018 [s]

Min: -2.6 [g] at 0.156 [s]

B-62

8652-SENCAP-08

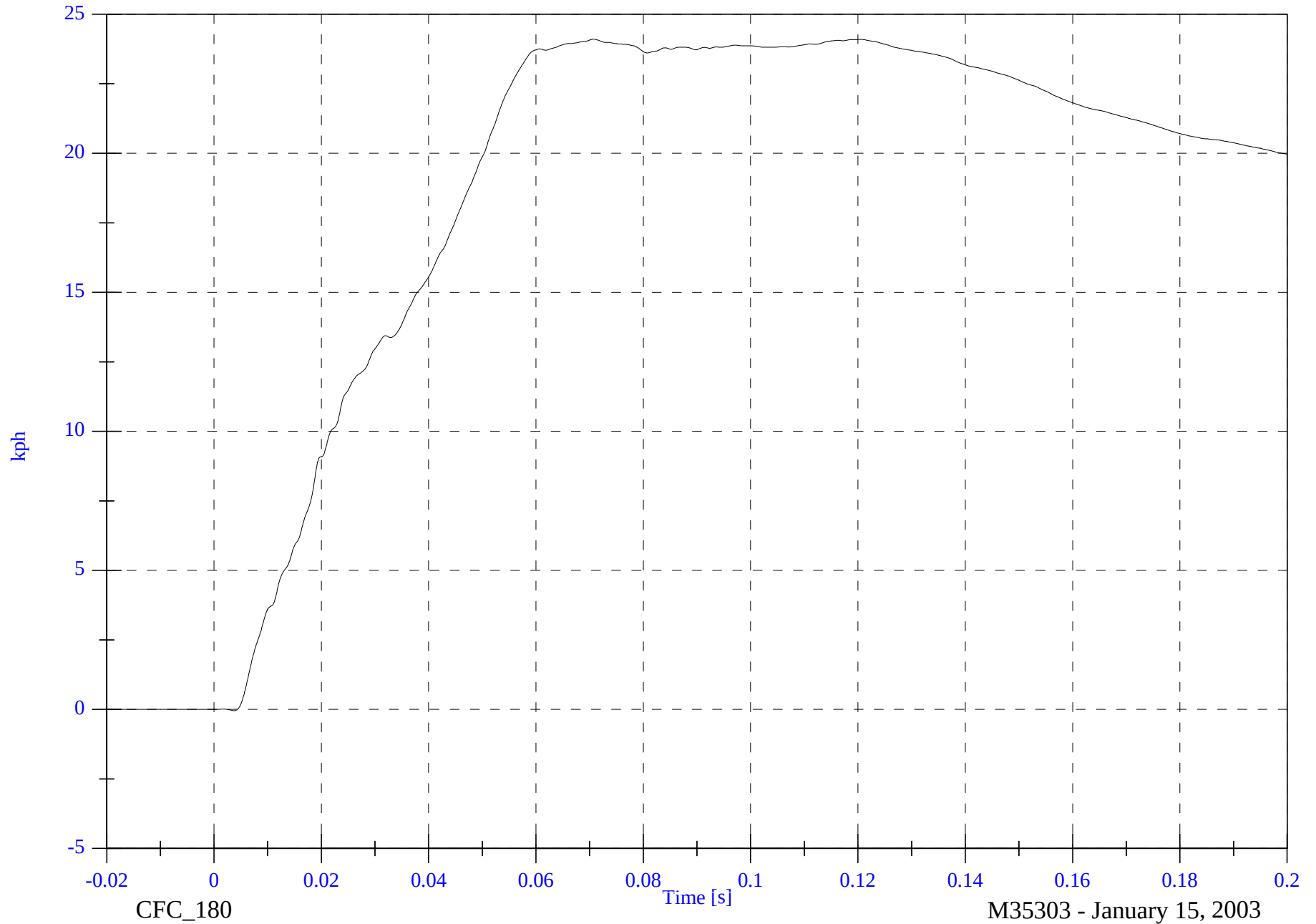


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A1 Right Front Sill y Velocity

Max: 24.1 [kph] at 0.071 [s]

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



B-63

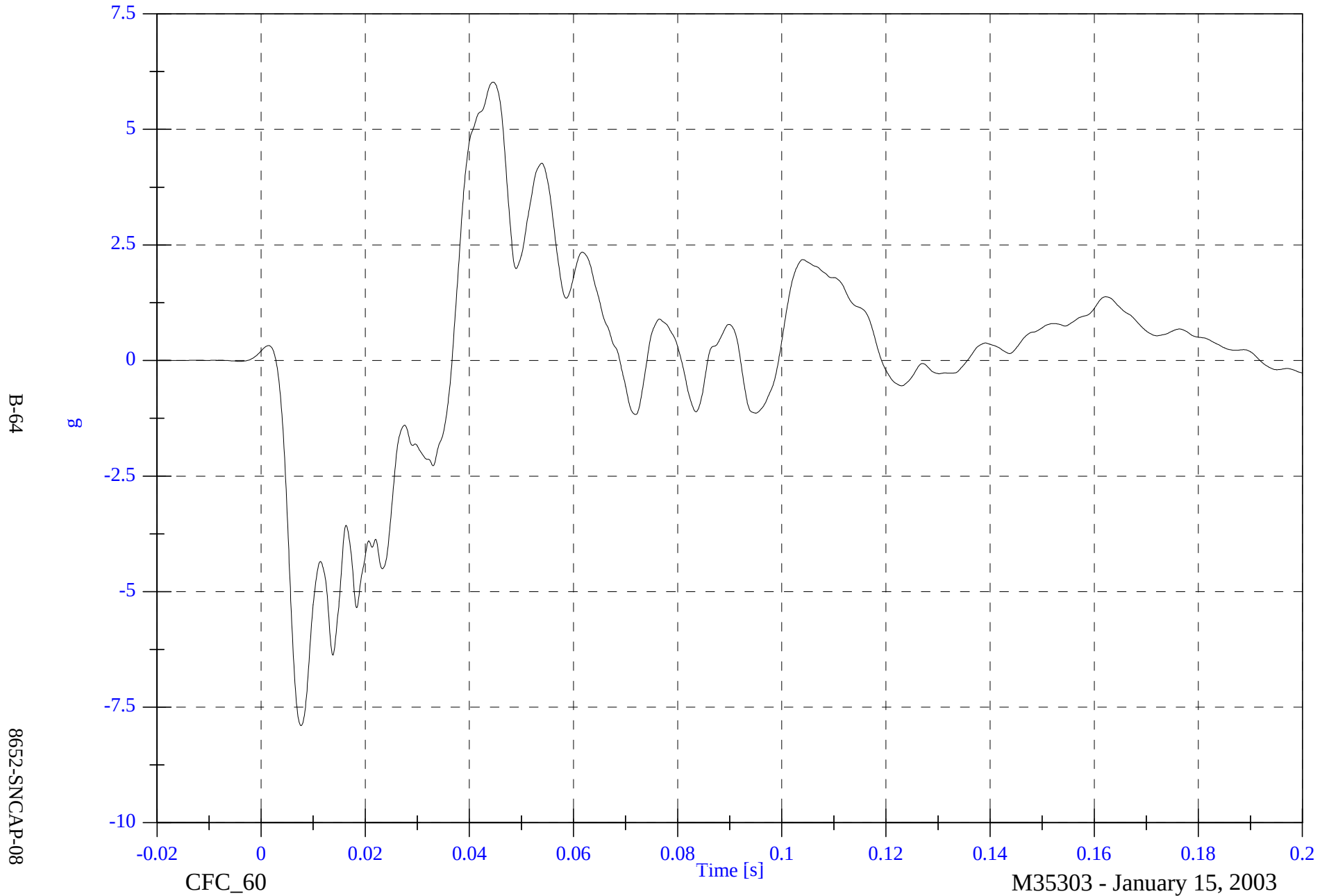
8652-SENCAP-08

2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A1 Right Front Sill z

Max: 6.0 [g] at 0.045 [s]

Min: -7.9 [g] at 0.008 [s]

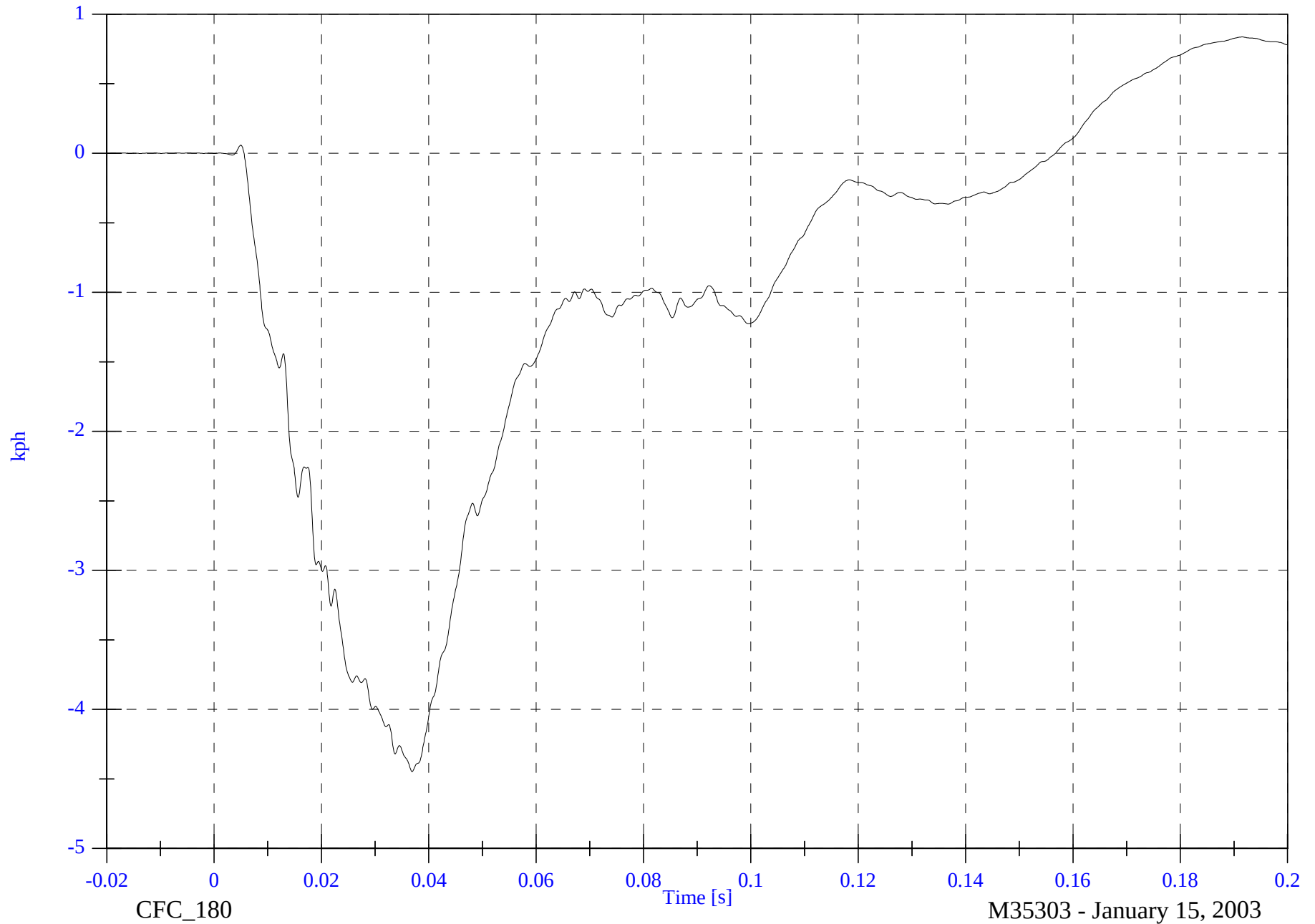


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A1 Right Front Sill z Velocity

Max: 0.8 [kph] at 0.191 [s]

Min: -4.4 [kph] at 0.037 [s]



B-65

8652-SNCAP-08

2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A1 Right Front Sill Resultant

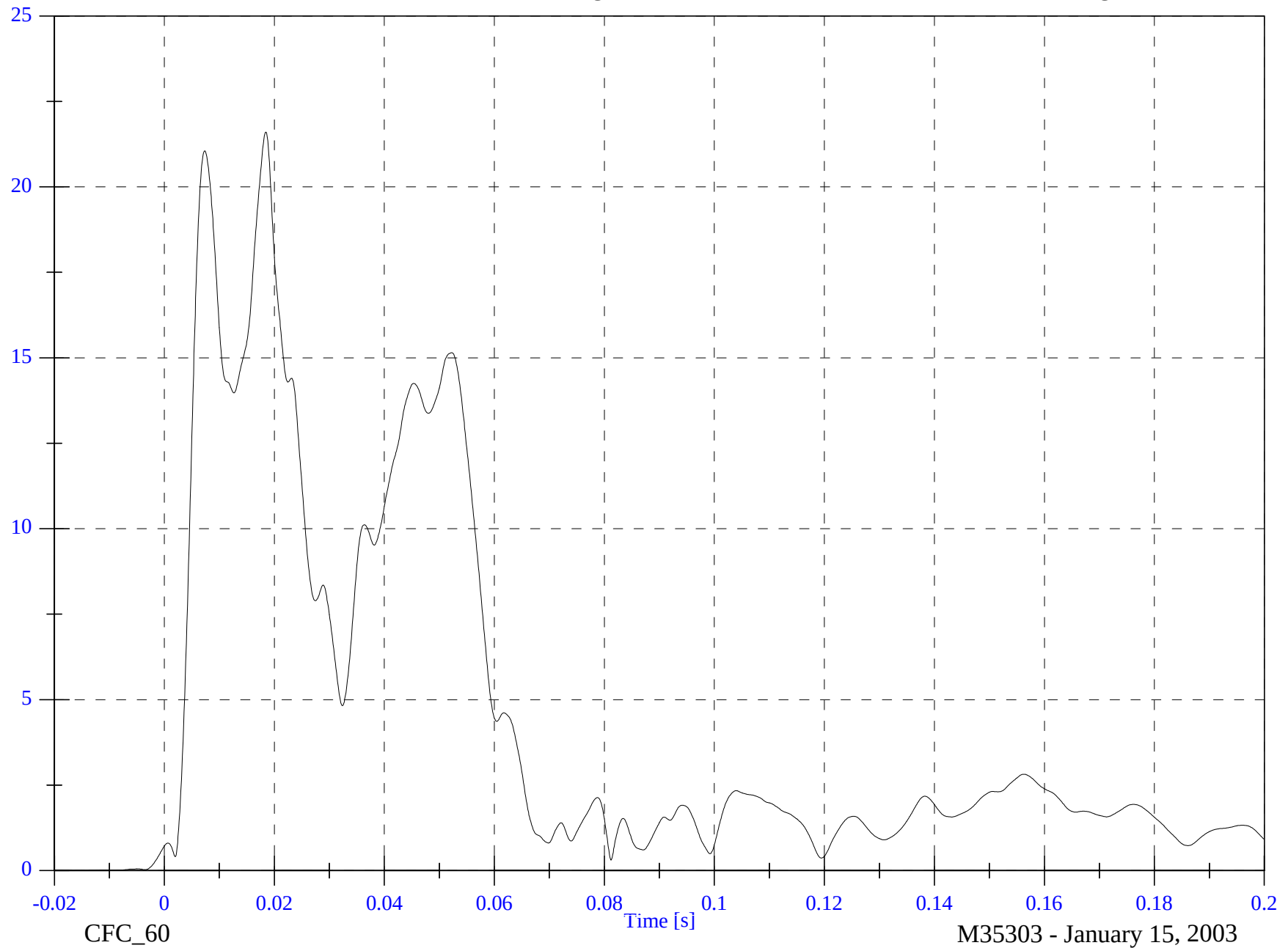
Max: 21.6 [g] at 0.018 [s]

Min: 0.0 [g] at -0.017 [s]

B-66

8652-SENCAP-08

g



2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A2 Right Rear Sill x

Max: 3.9 [g] at 0.063 [s]

Min: -4.9 [g] at 0.018 [s]



B-67

8652-SNCAP-08

2003 SENCAP Test 3 2003 Honda Accord 2 Door

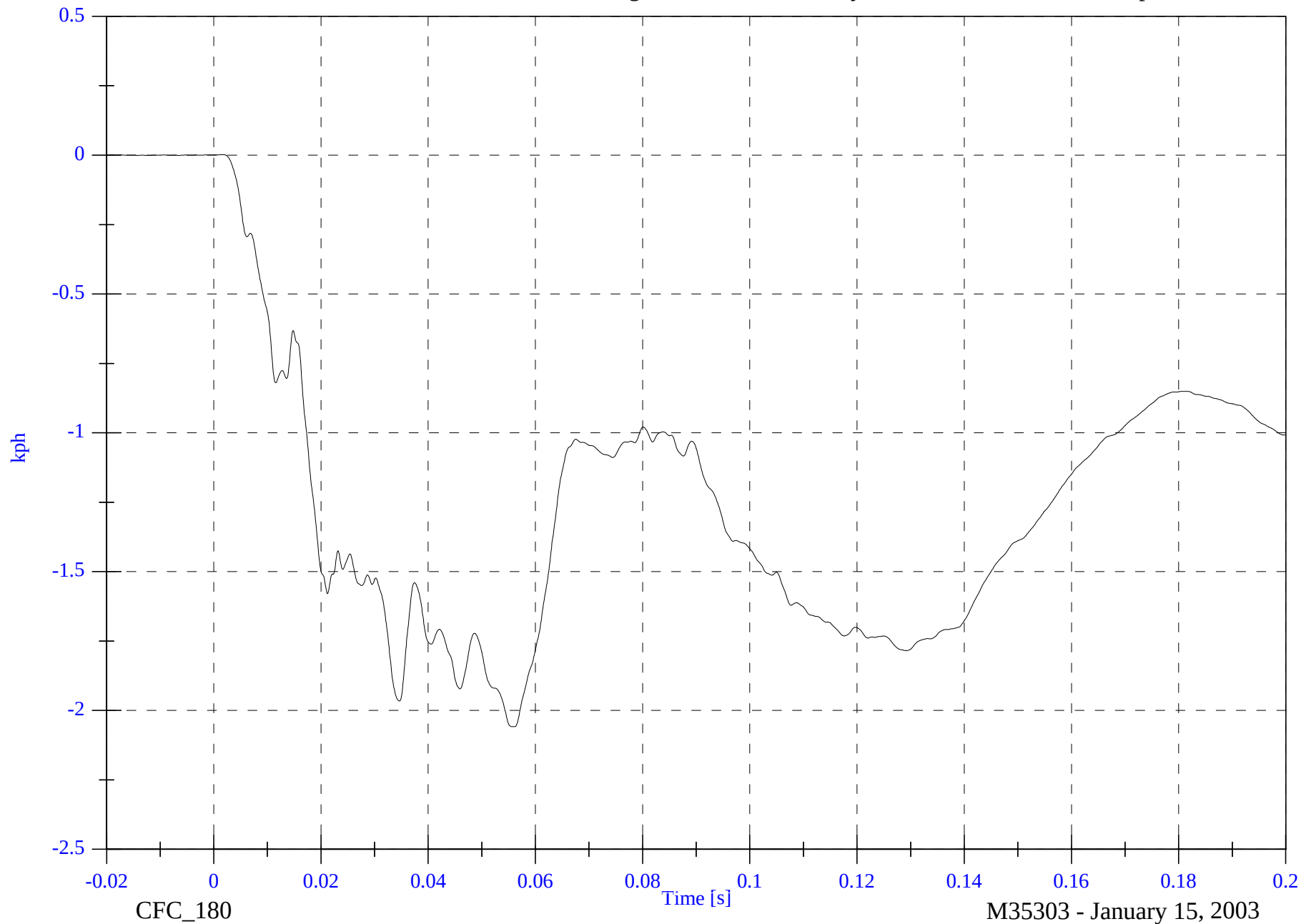
V2 A2 Right Rear Sill x Velocity

Max: 0.0 [kph] at 0.002 [s]

Min: -2.1 [kph] at 0.056 [s]

B-68

8652-SENCAP-08

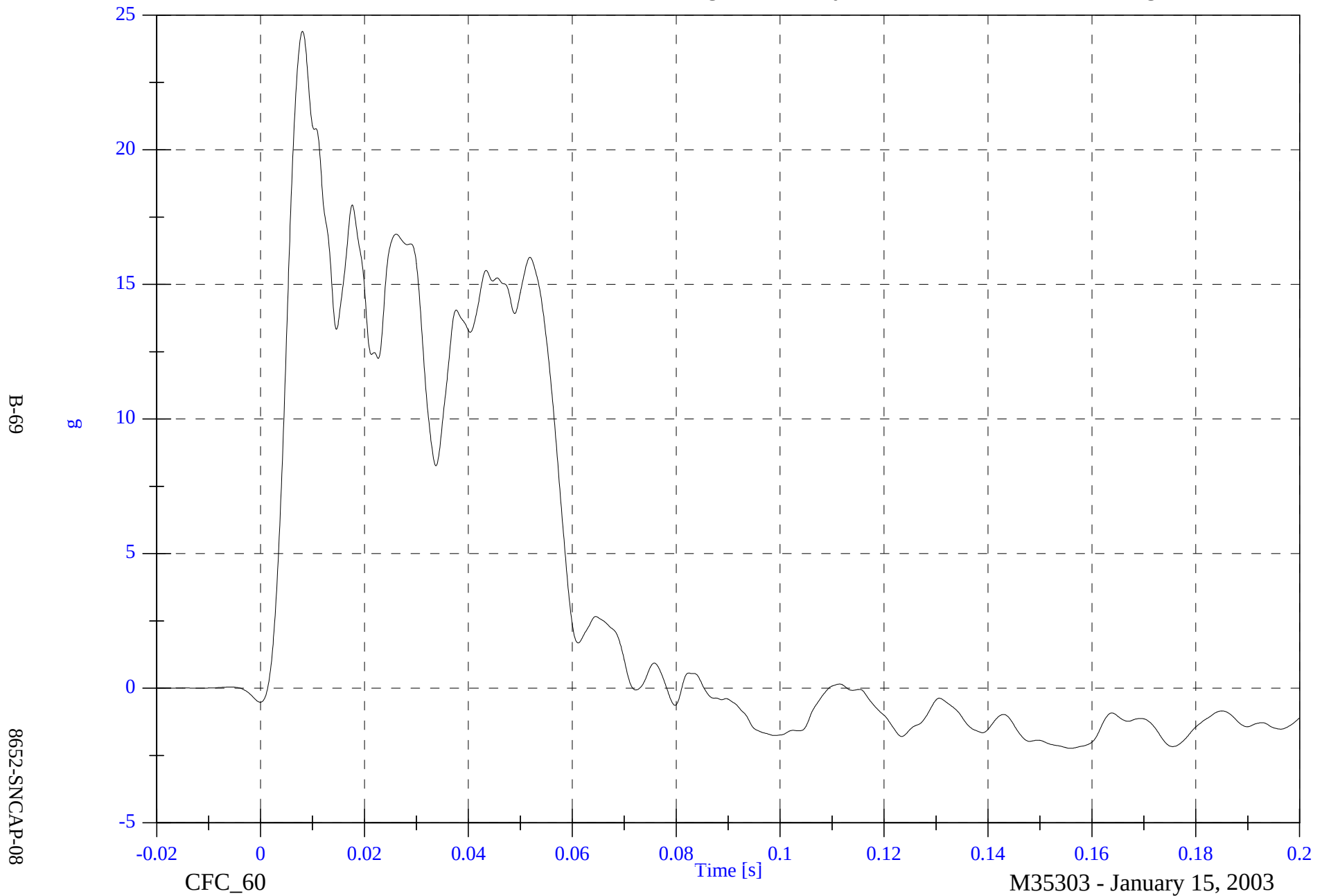


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A2 Right Rear Sill y

Max: 24.4 [g] at 0.008 [s]

Min: -2.2 [g] at 0.156 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

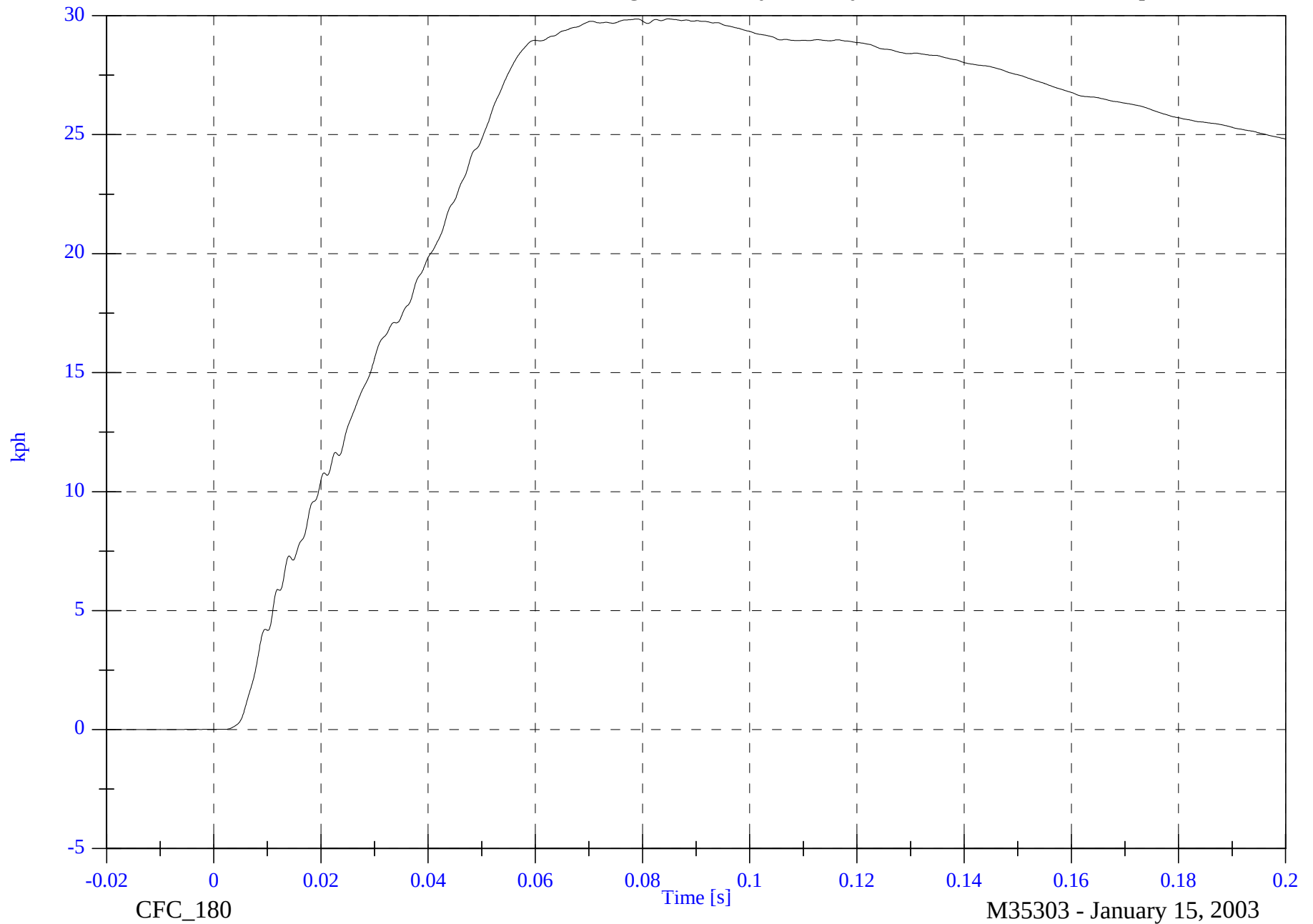
V2 A2 Right Rear Sill y Velocity

Max: 29.9 [kph] at 0.085 [s]

Min: -0.0 [kph] at -0.020 [s]

B-70

8652-SNCAP-08

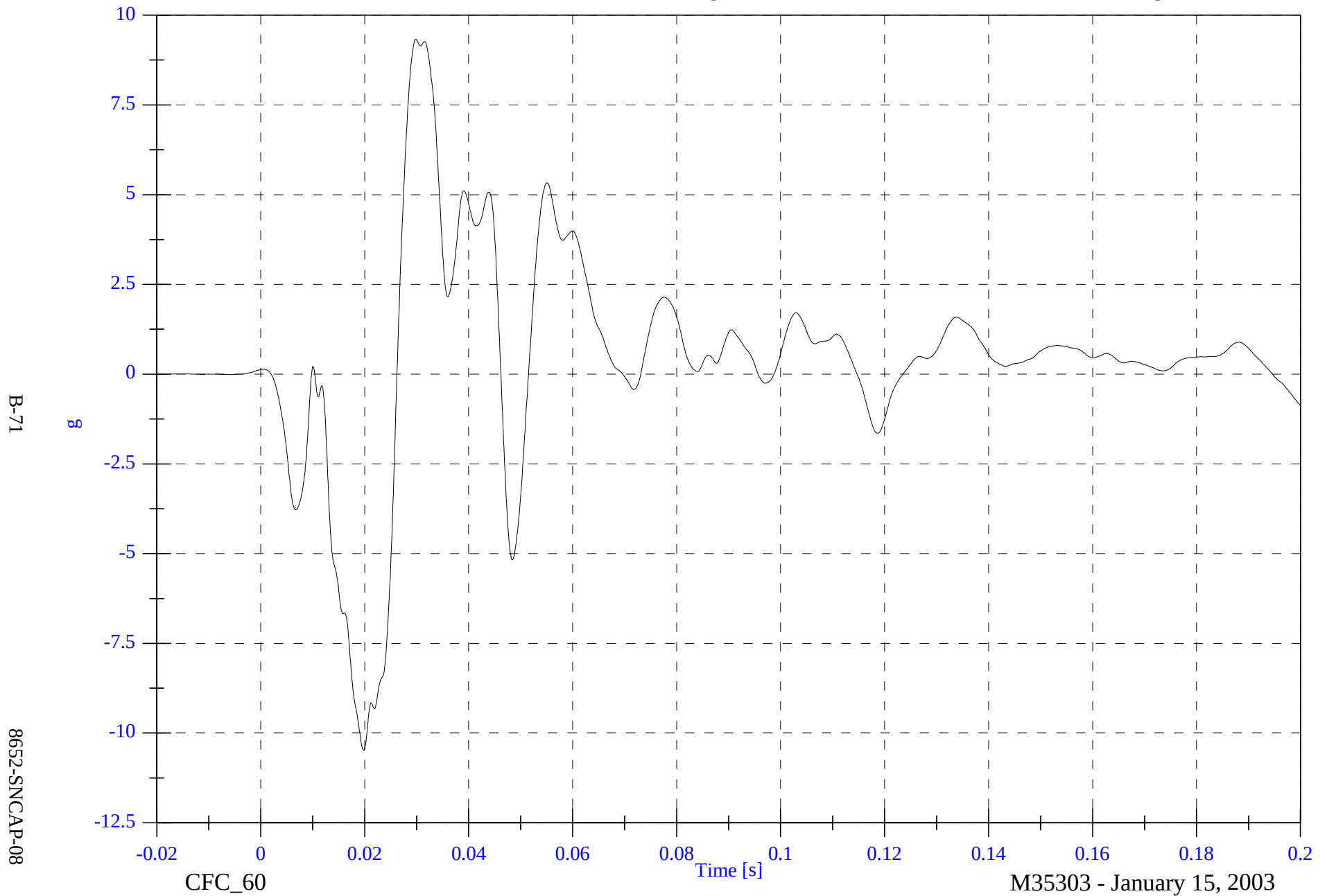


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A2 Right Rear Sill z

Max: 9.3 [g] at 0.030 [s]

Min: -10.5 [g] at 0.020 [s]

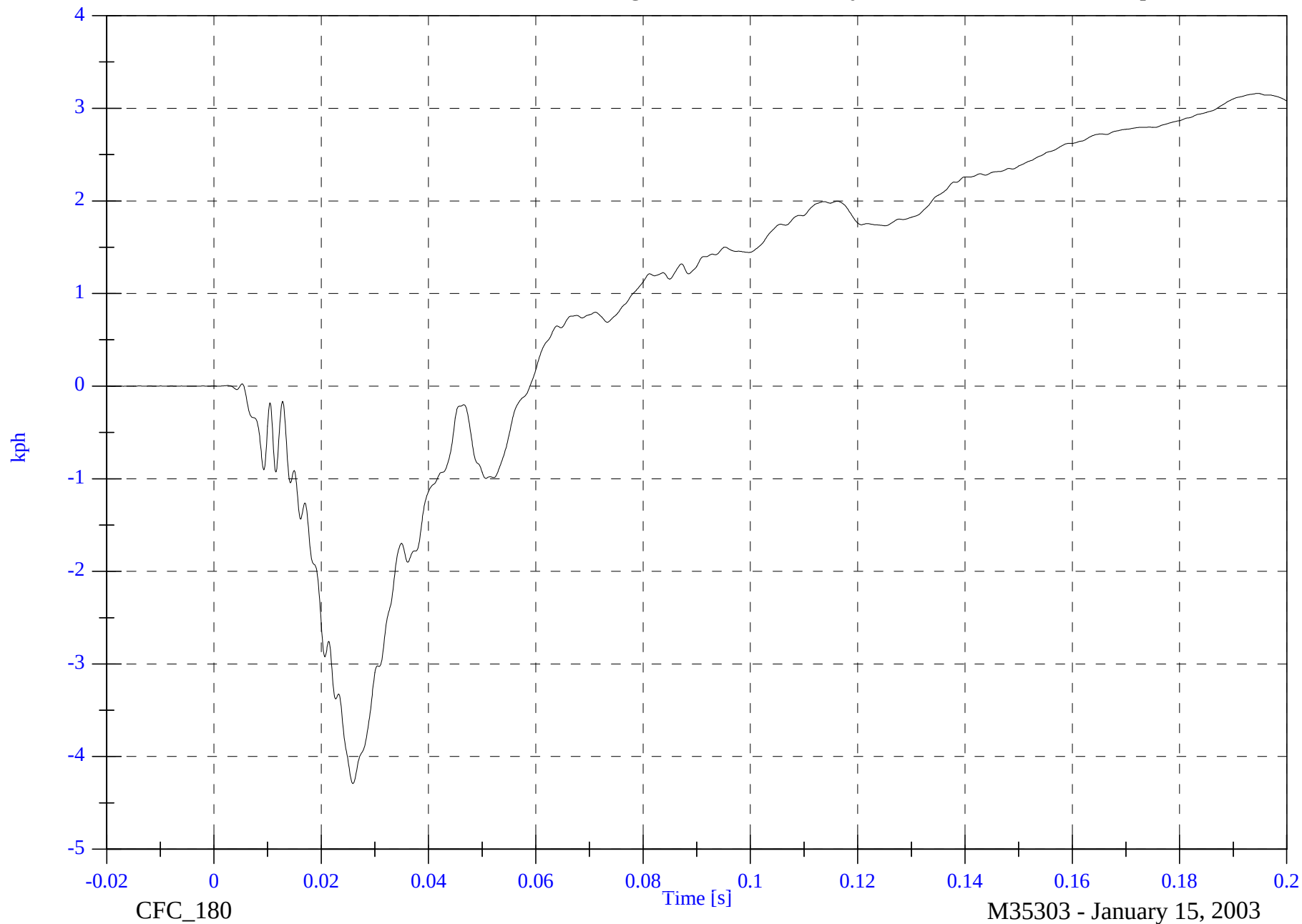


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A2 Right Rear Sill z Velocity

Max: 3.2 [kph] at 0.195 [s]

Min: -4.3 [kph] at 0.026 [s]



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8652-SENCAP-08

2003 SENCAP Test 3 2003 Honda Accord 2 Door

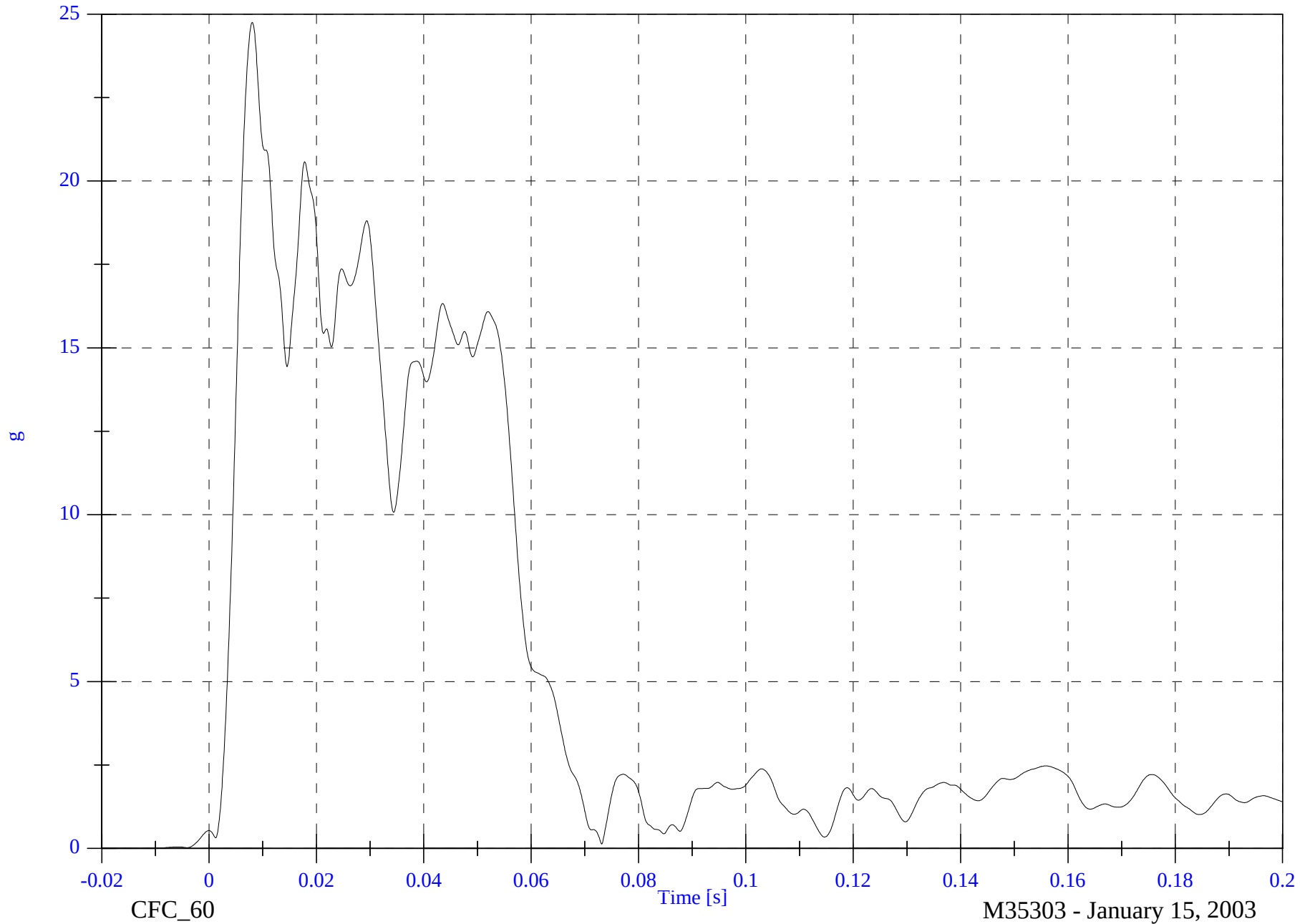
V2 A2 Right Rear Sill Resultant

Max: 24.8 [g] at 0.008 [s]

Min: 0.0 [g] at -0.012 [s]

B-73

8652-SENCAP-08

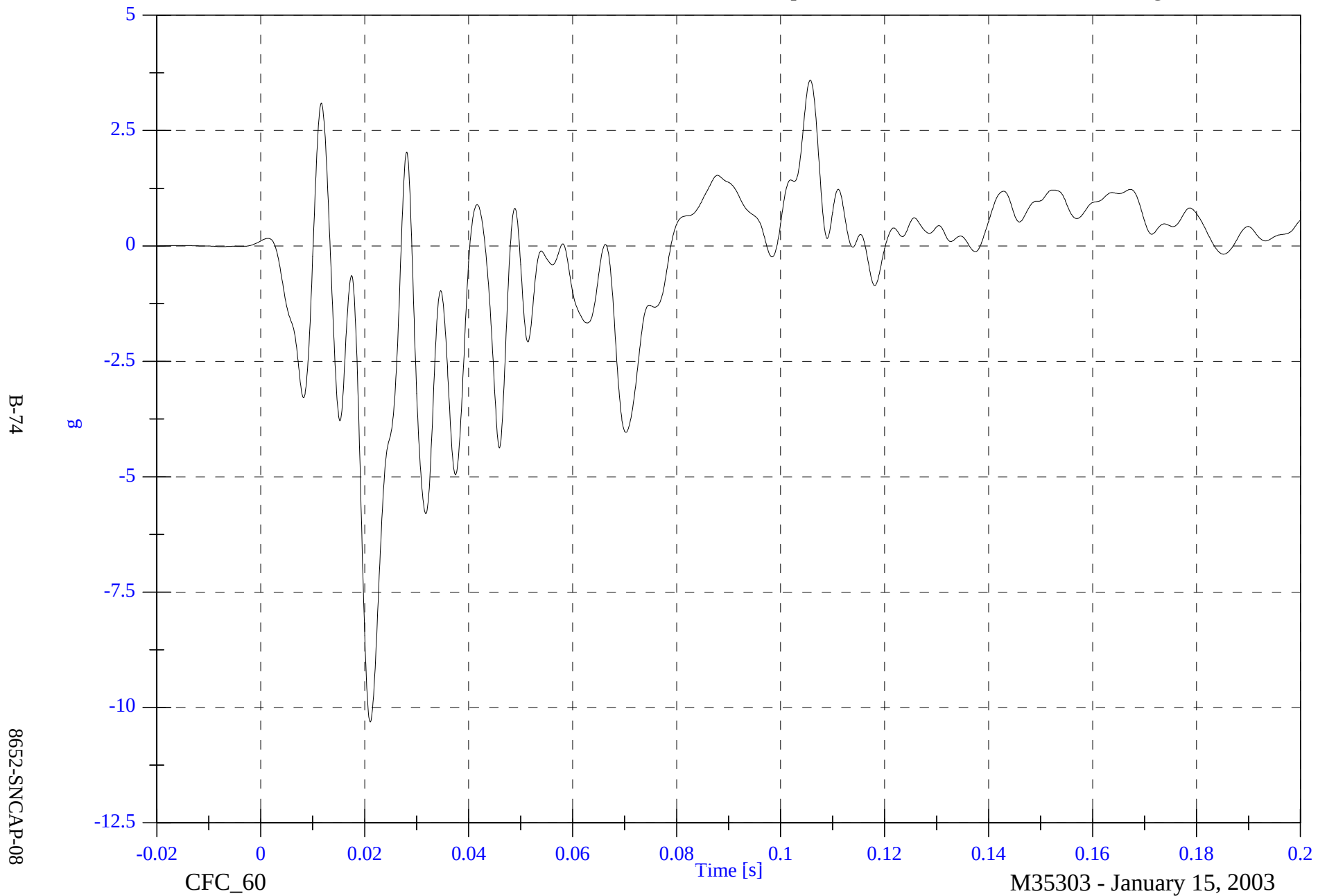


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A3 Rear Floorpan x

Max: 3.6 [g] at 0.106 [s]

Min: -10.3 [g] at 0.021 [s]

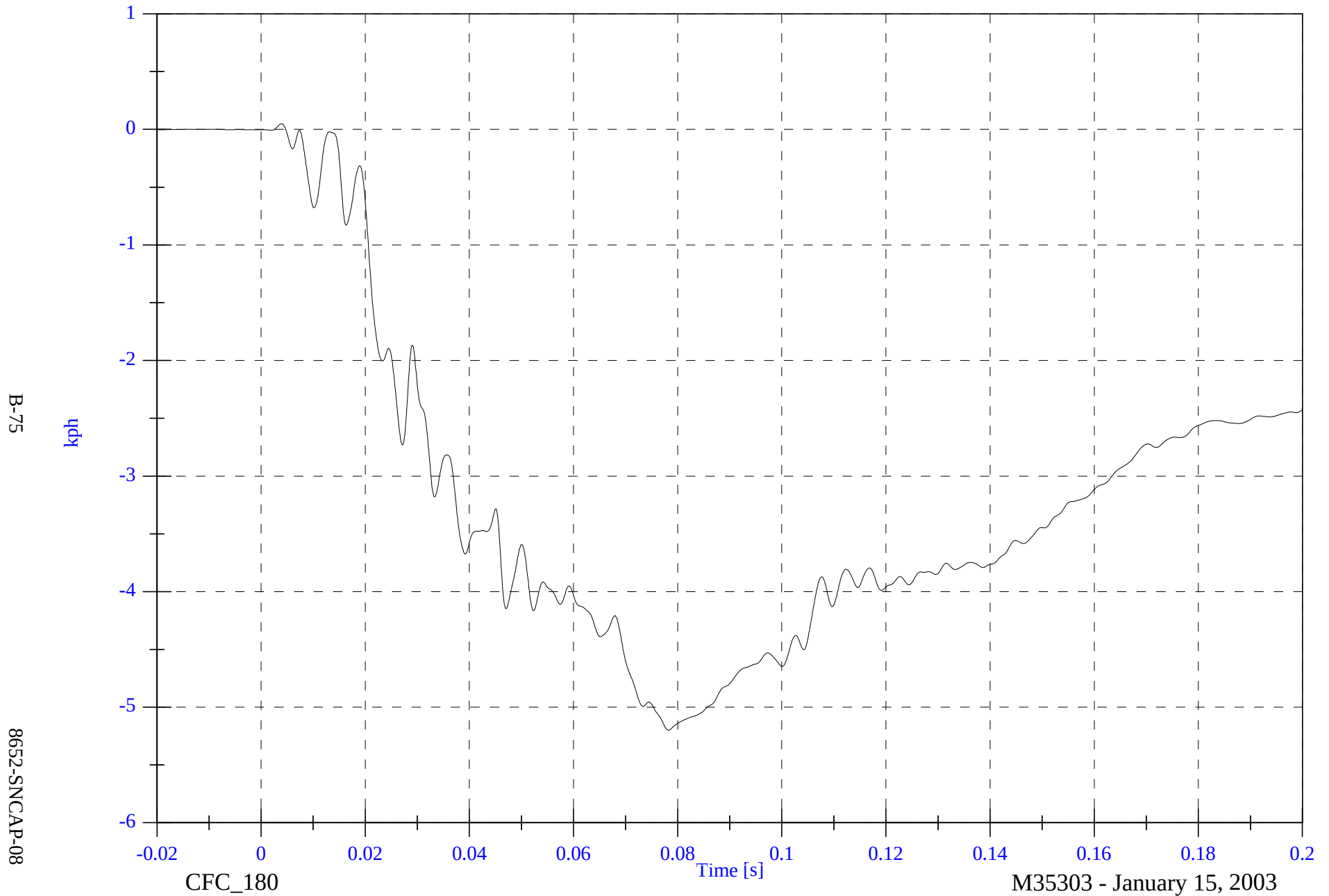


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A3 Rear Floorpan x Velocity

Max: 0.0 [kph] at 0.004 [s]

Min: -5.2 [kph] at 0.078 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A3 Rear Floorpan y

Max: 26.3 [g] at 0.026 [s]

Min: -3.4 [g] at 0.102 [s]

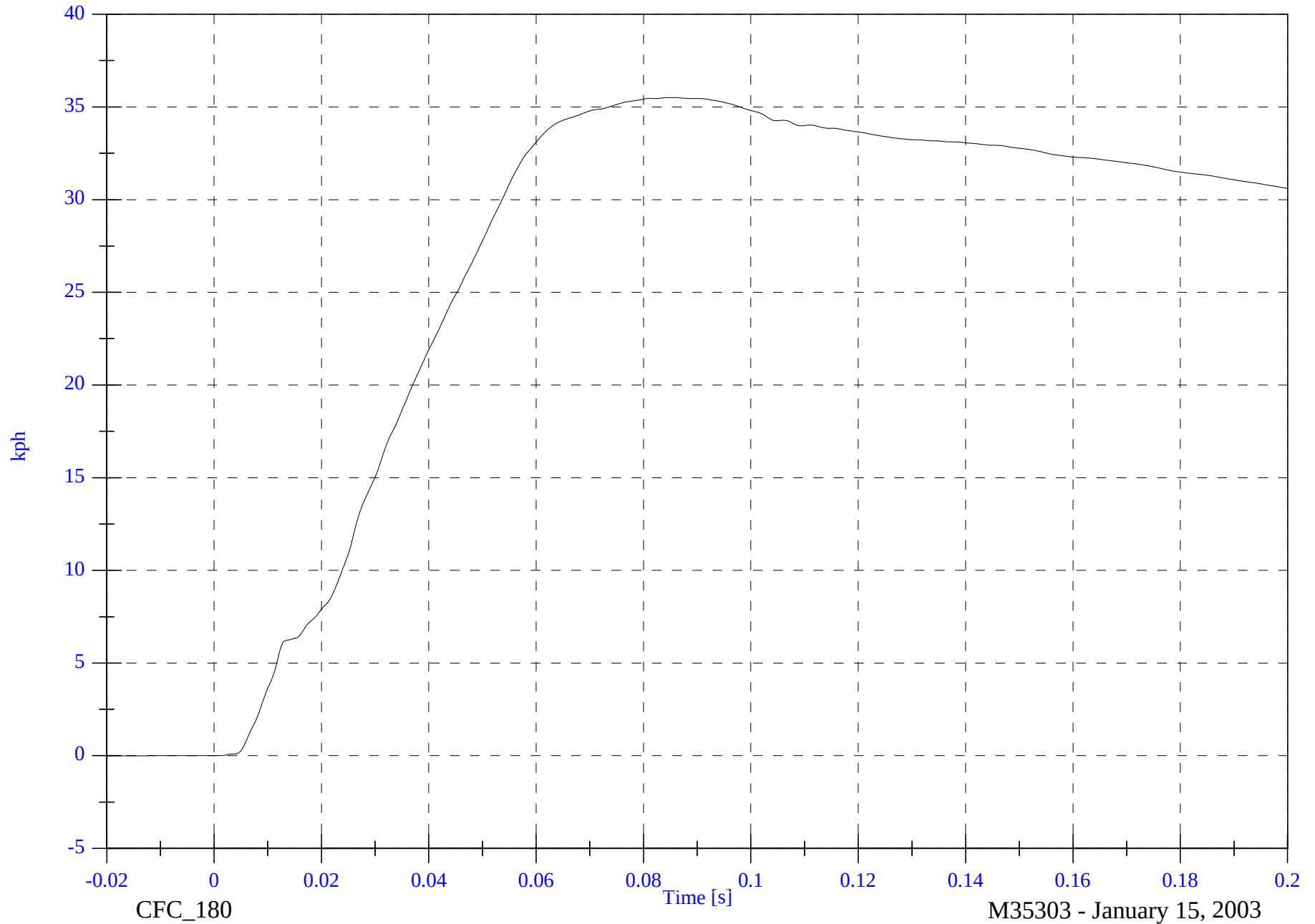


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A3 Rear Floorpan y Velocity

Max: 35.5 [kph] at 0.086 [s]

Min: -0.0 [kph] at -0.020 [s]



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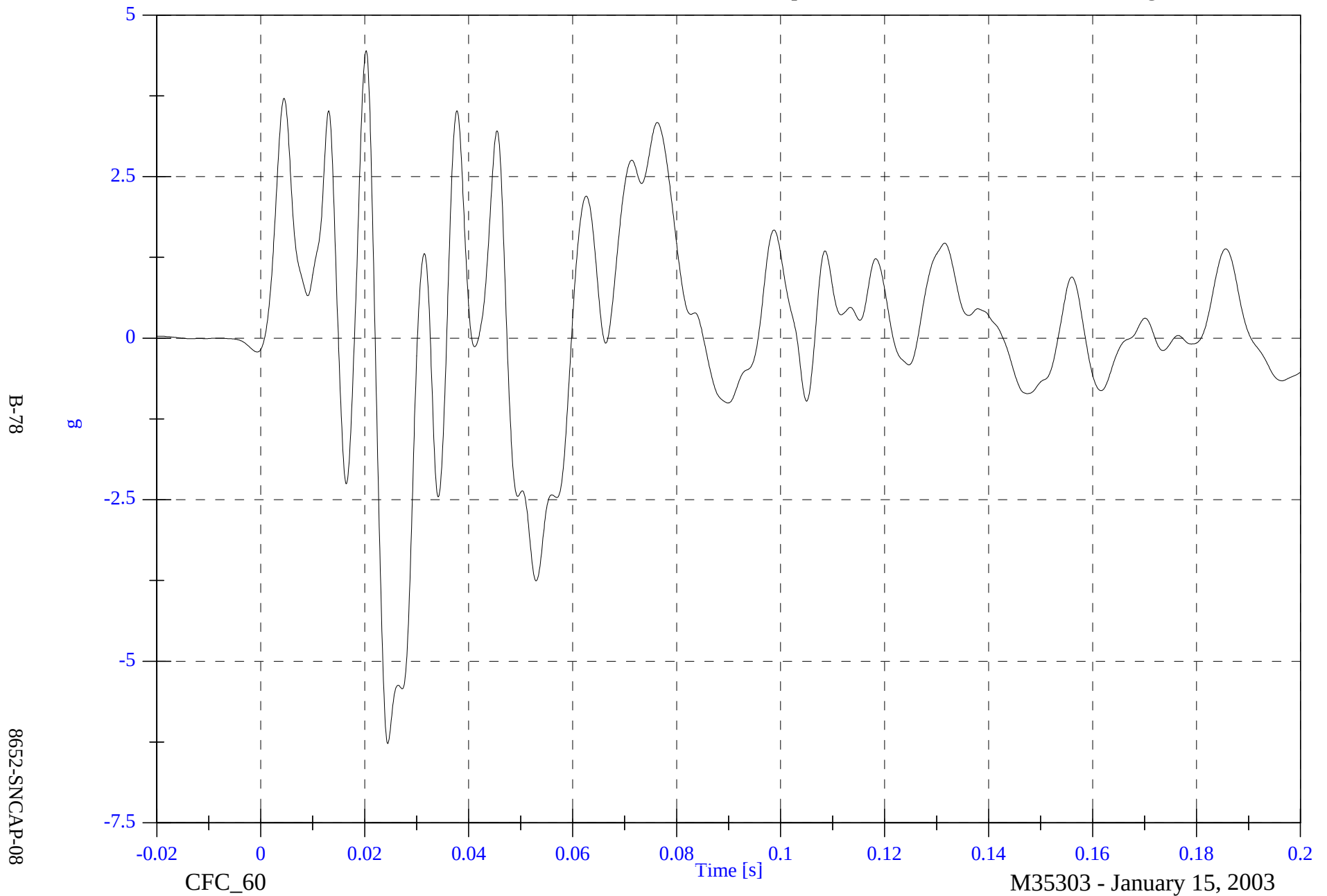
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2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A3 Rear Floorpan z

Max: 4.5 [g] at 0.020 [s]

Min: -6.3 [g] at 0.024 [s]

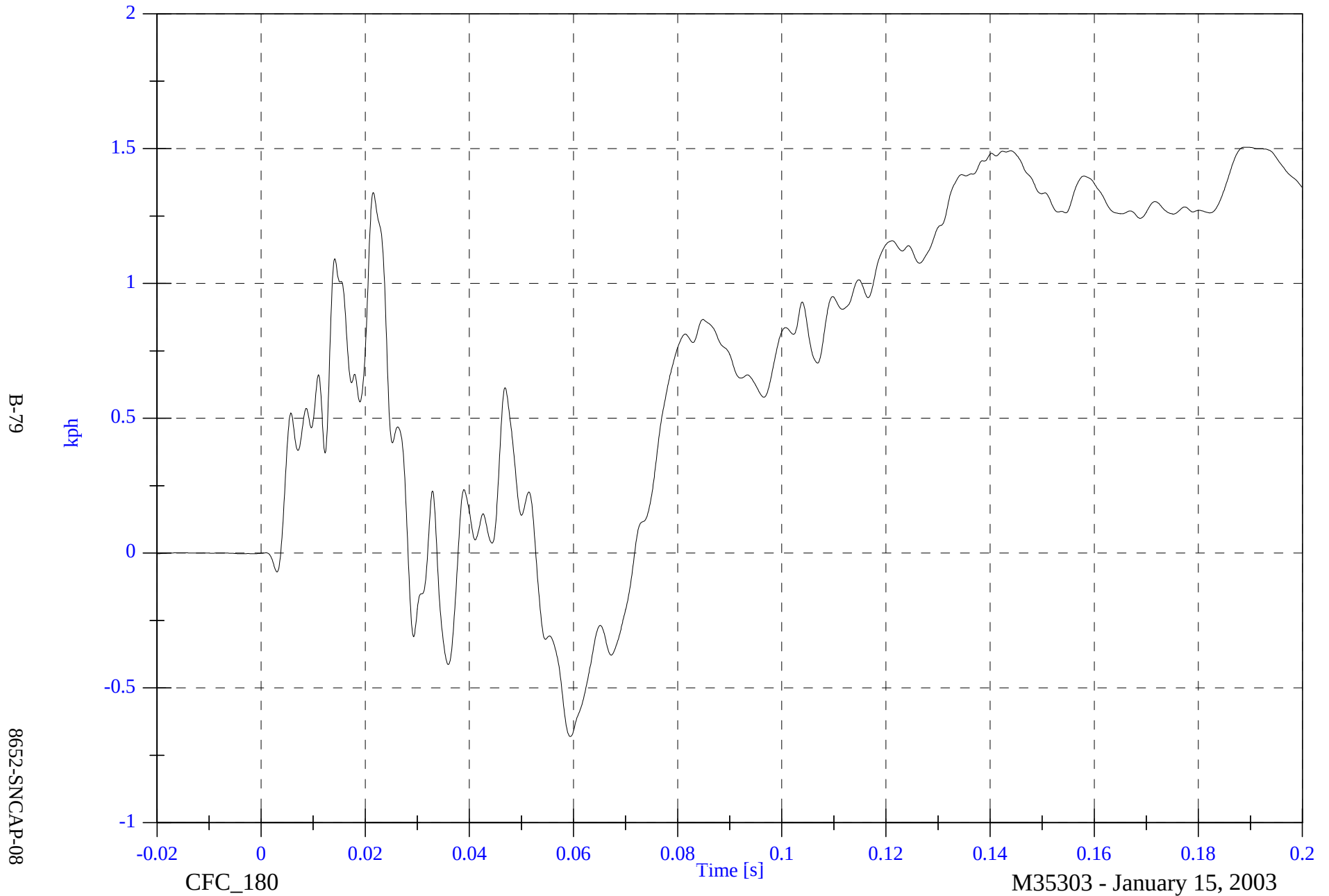


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A3 Rear Floorpan z Velocity

Max: 1.5 [kph] at 0.189 [s]

Min: -0.7 [kph] at 0.059 [s]

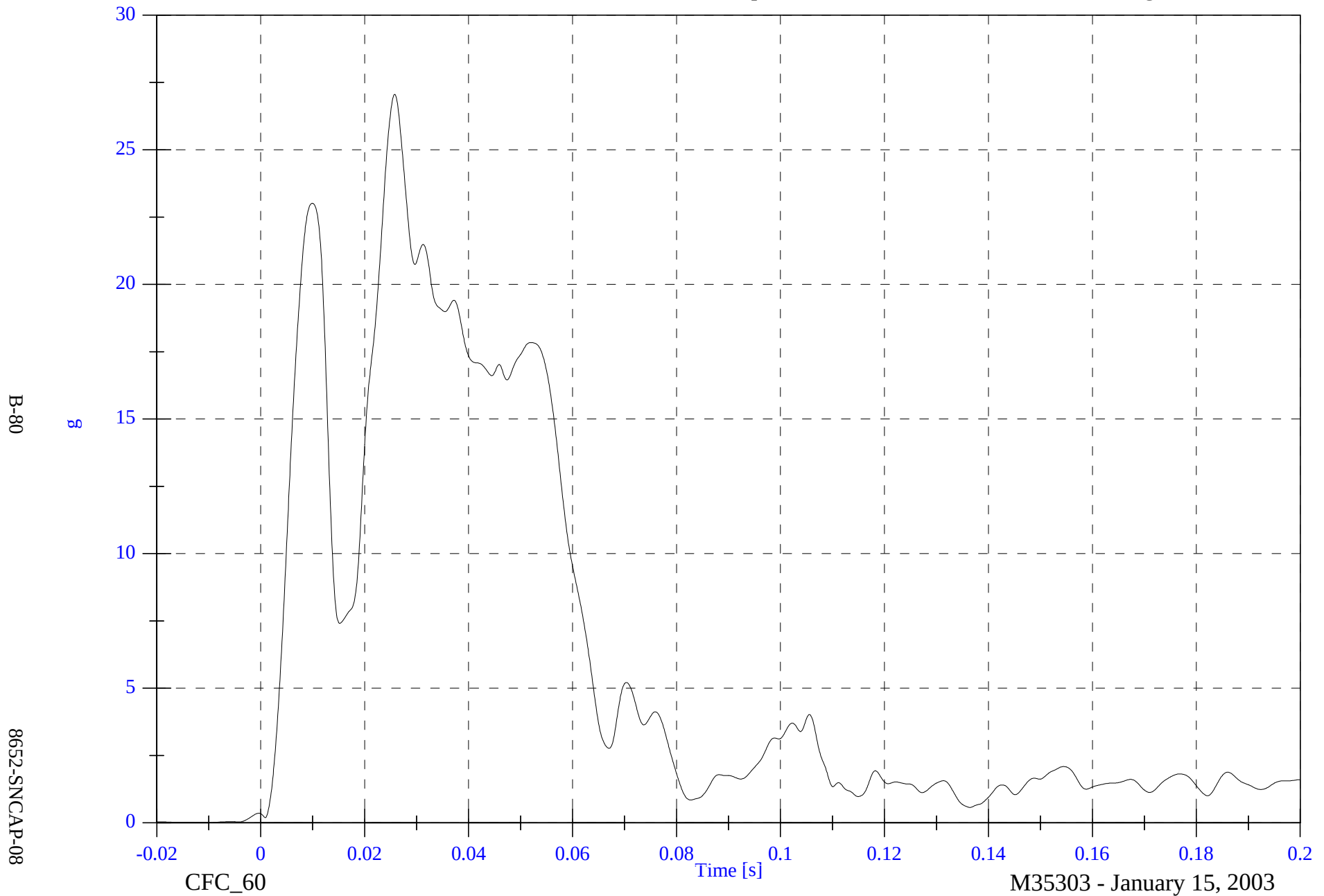


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A3 Rear Floorpan Resultant

Max: 27.1 [g] at 0.026 [s]

Min: 0.0 [g] at -0.010 [s]

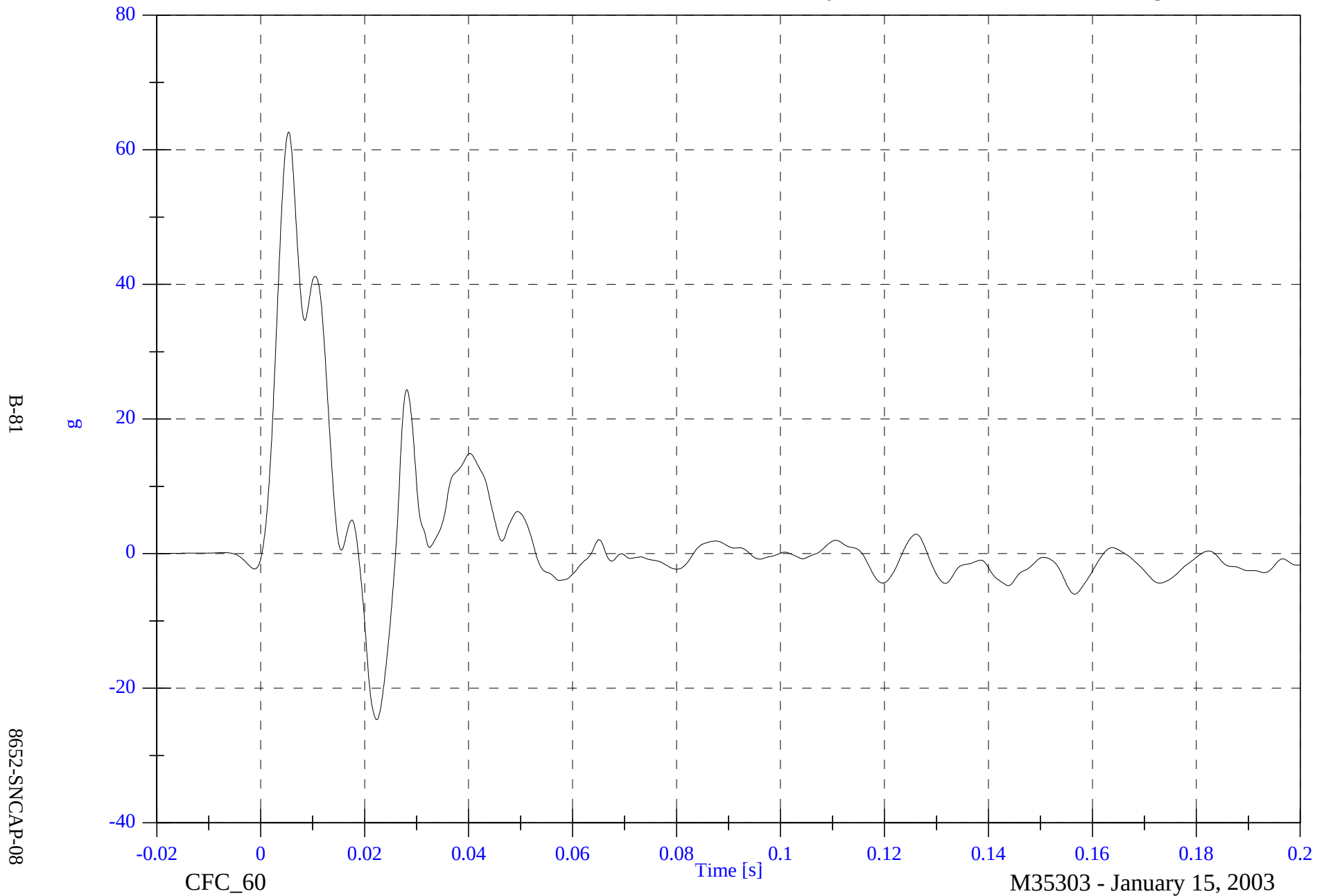


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A4 Left Rear Sill y

Max: 62.6 [g] at 0.005 [s]

Min: -24.7 [g] at 0.022 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A4 Left Rear Sill y Velocity

Max: 21.9 [kph] at 0.053 [s]

Min: -0.0 [kph] at 0.002 [s]



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2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A5 Left Front Sill y

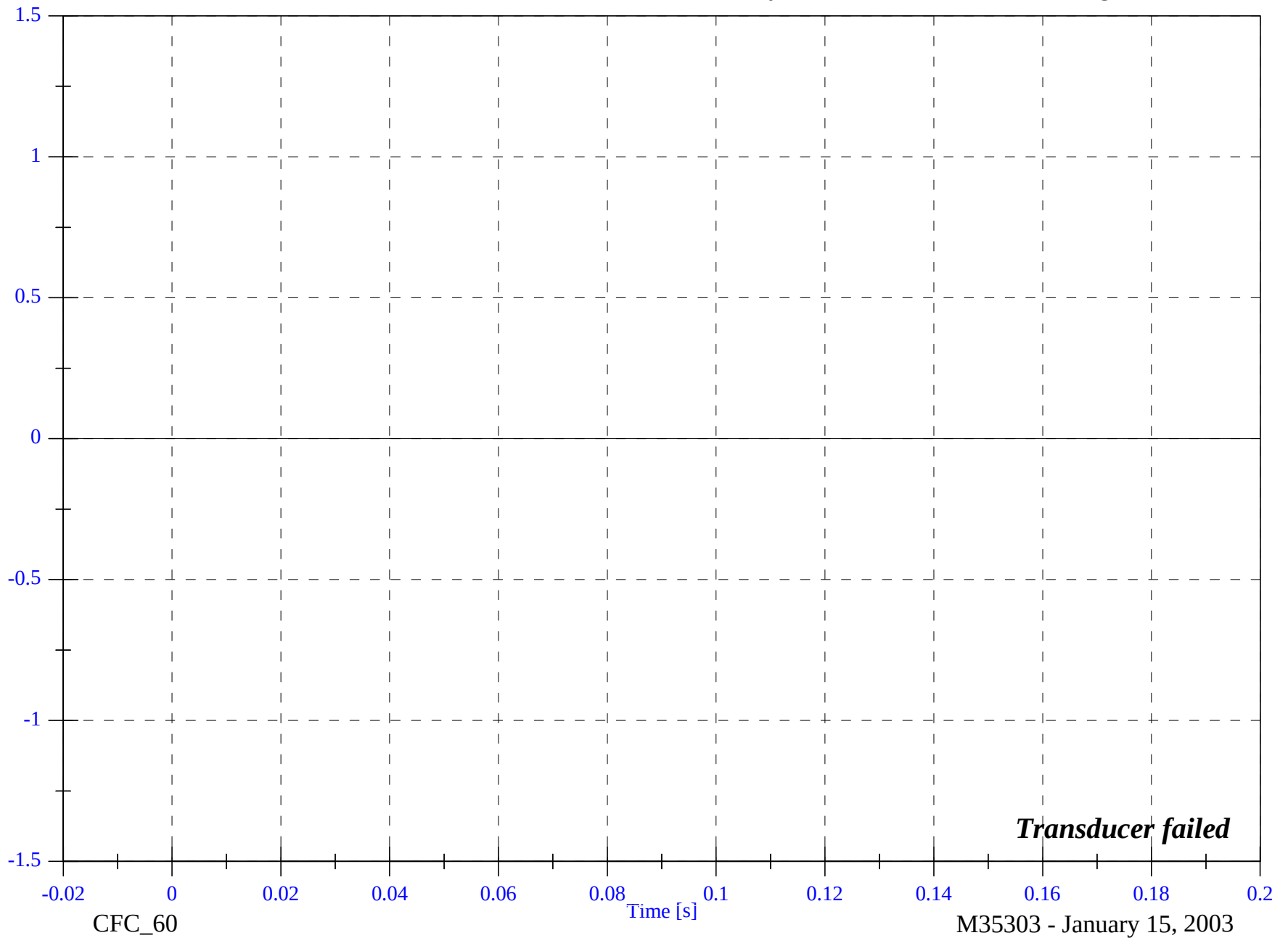
Max: -0.0 [g] at -0.020 [s]

Min: -0.0 [g] at -0.020 [s]

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g

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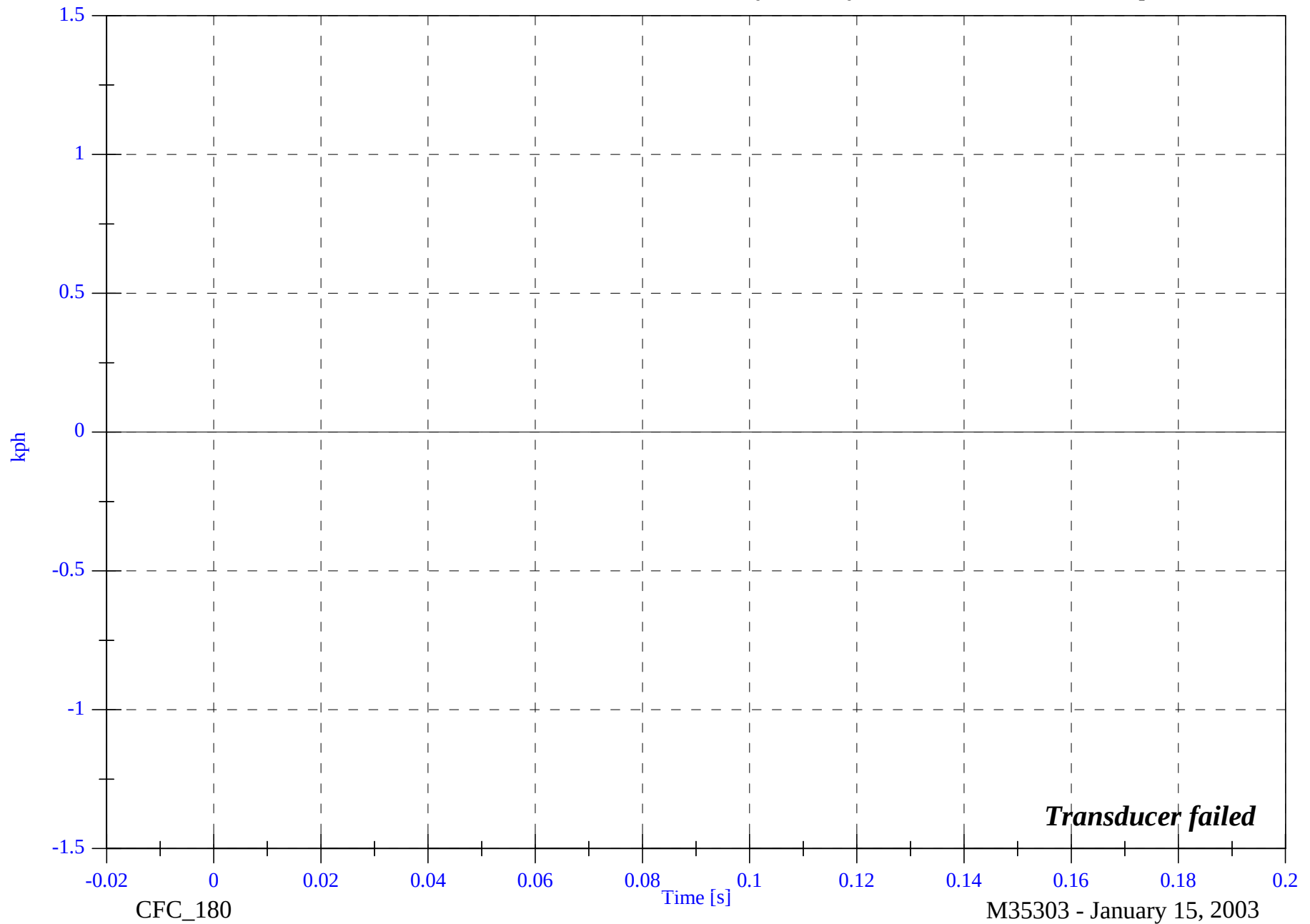


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A5 Left Front Sill y Velocity

Max: 0.0 [kph] at -0.020 [s]

Min: -0.0 [kph] at 0.200 [s]



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CFC_180

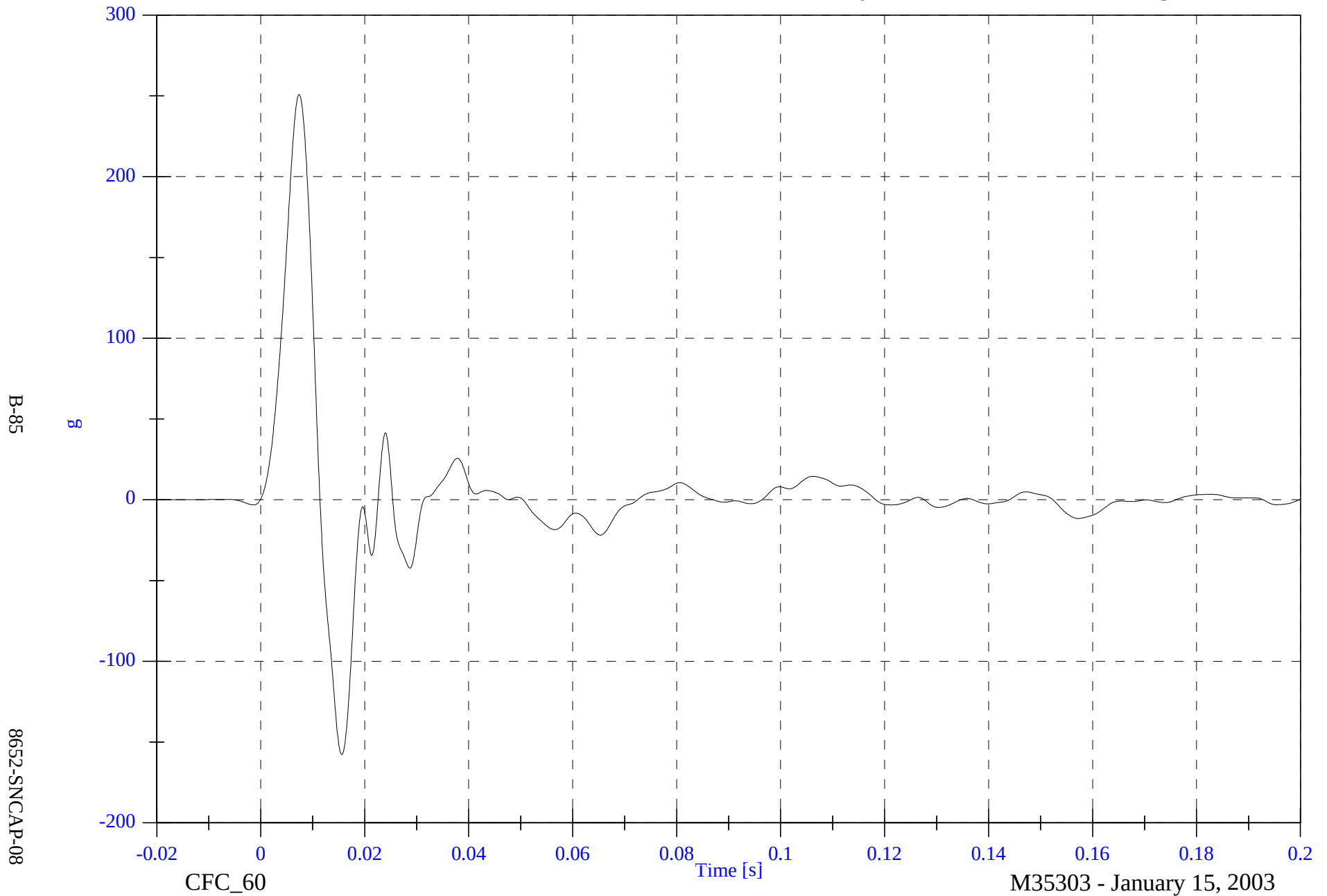
M35303 - January 15, 2003

2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A6 Left Front Door C/L y

Max: 250.9 [g] at 0.007 [s]

Min: -157.7 [g] at 0.016 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

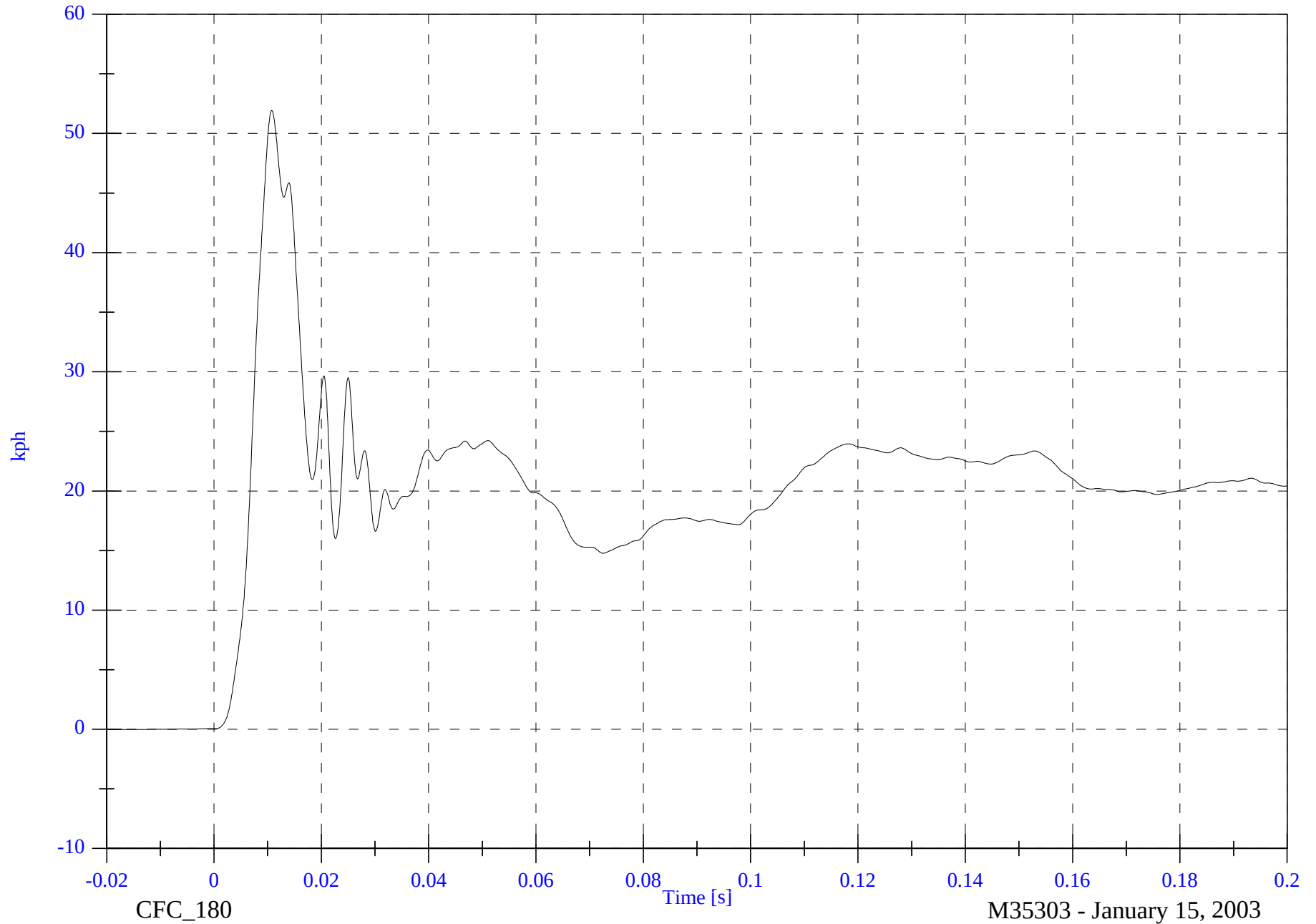
V2 A6 Left Front Door C/L y Velocity

Max: 51.9 [kph] at 0.011 [s]

Min: -0.0 [kph] at -0.020 [s]

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V2 A7 Right Rear Compartment y

Max: 22.5 [g] at 0.008 [s]

Min: -2.0 [g] at 0.155 [s]



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2003 SNCAP Test 3 2003 Honda Accord 2 Door

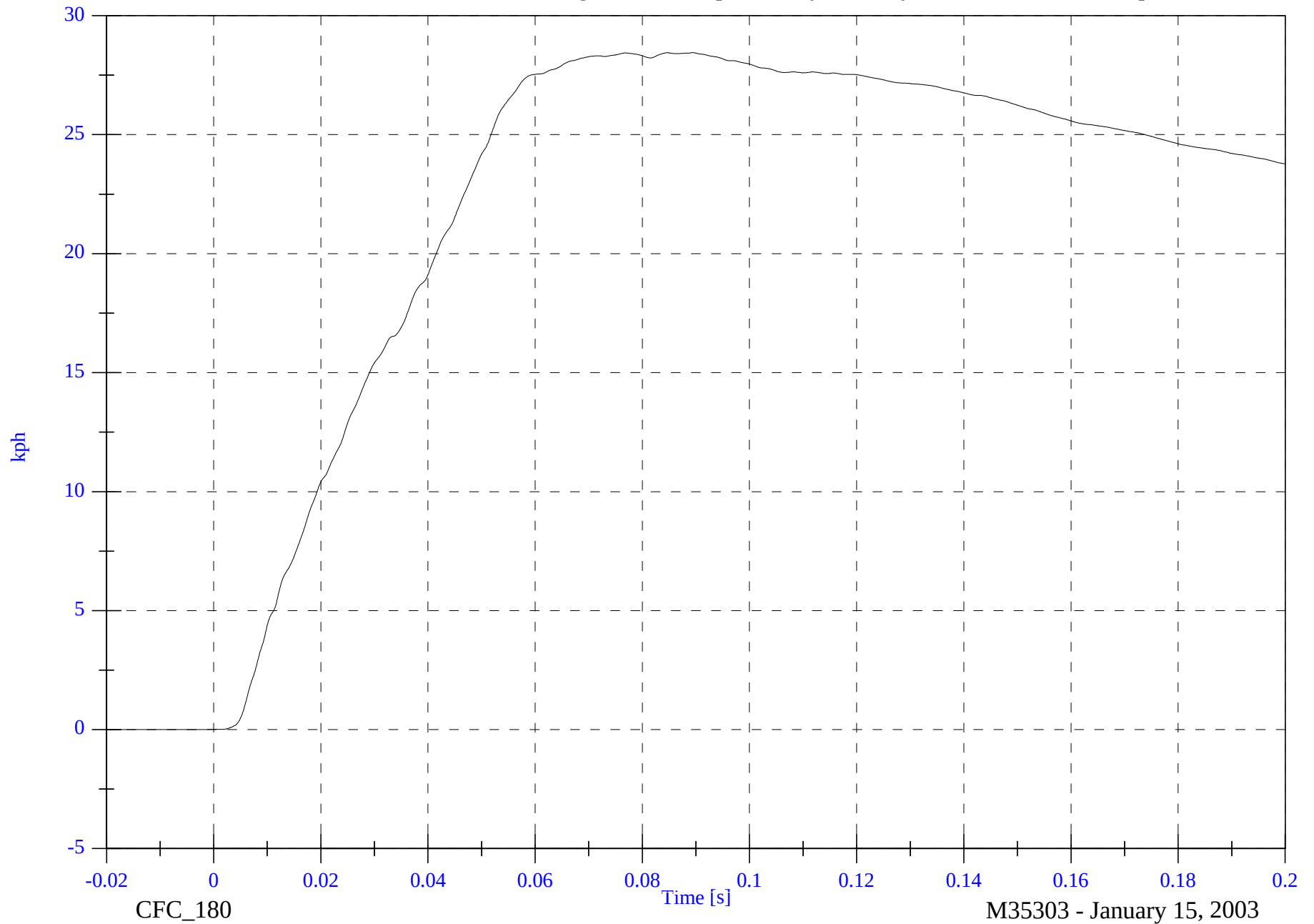
V2 A7 Right Rear Compartment y Velocity

Max: 28.4 [kph] at 0.089 [s]

Min: -0.0 [kph] at -0.020 [s]

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2003 SENCAP Test 3 2003 Honda Accord 2 Door

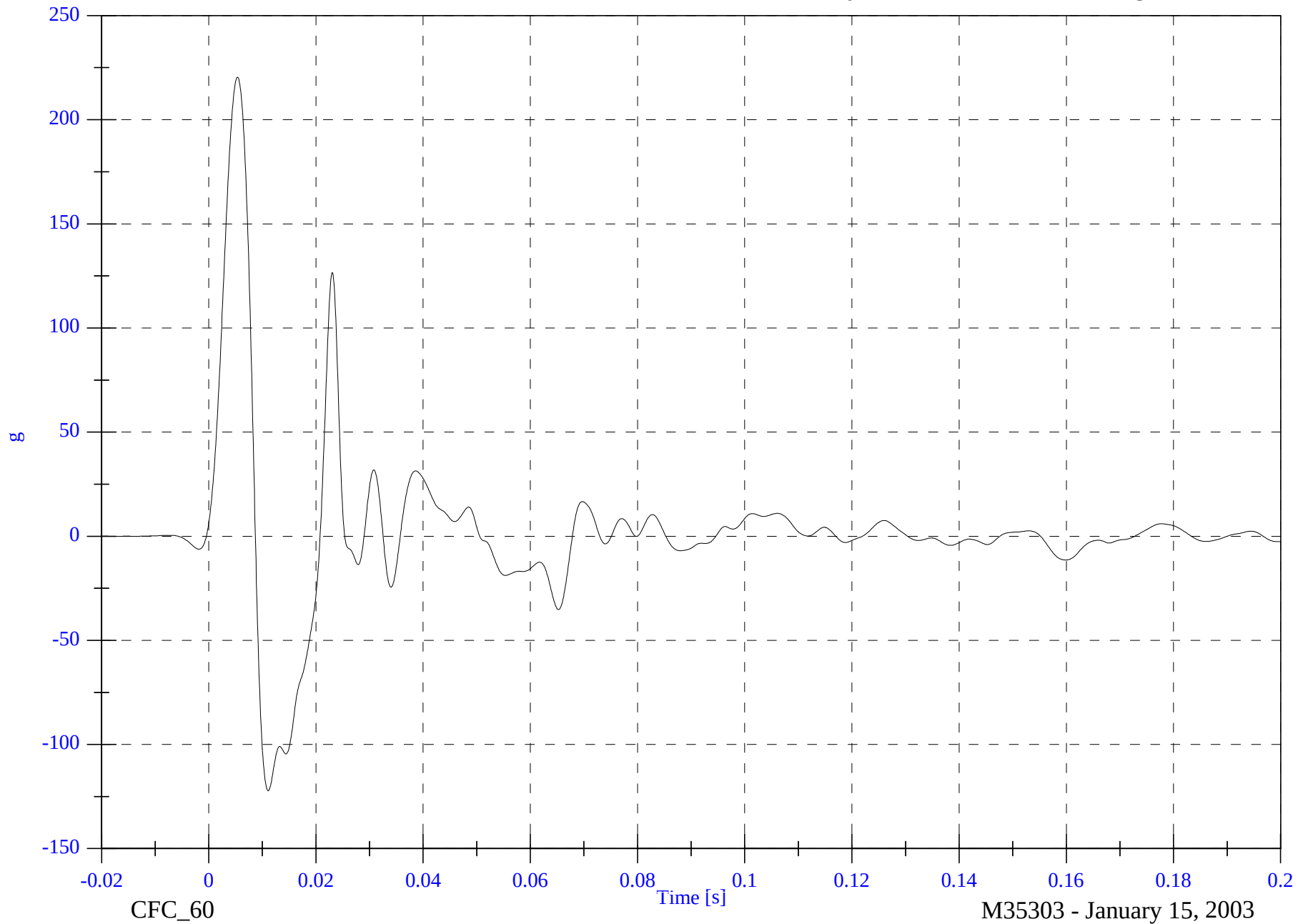
V2 A8 Left Front Door Midrear y

Max: 220.5 [g] at 0.005 [s]

Min: -122.2 [g] at 0.011 [s]

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8652-SNCAP-08

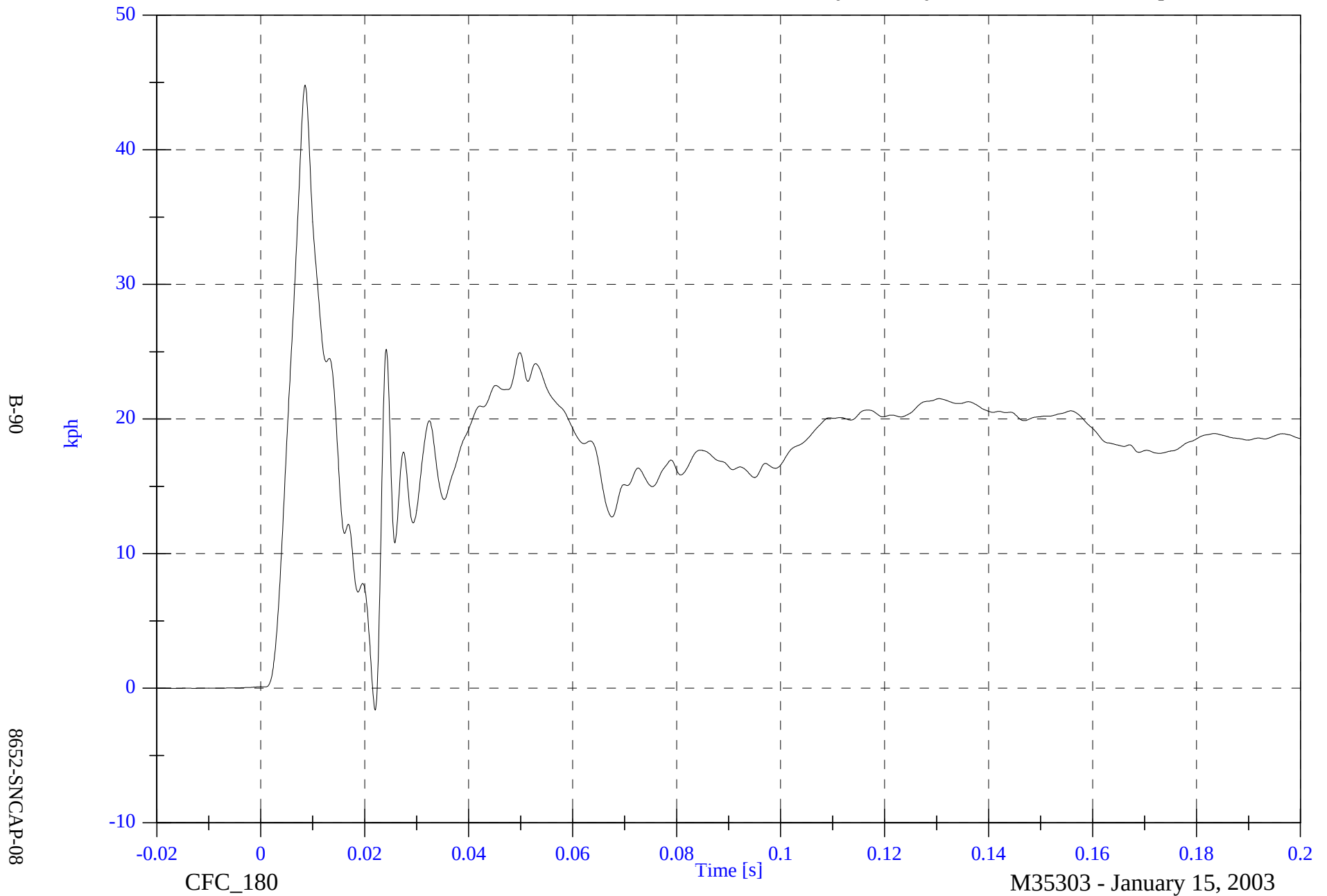


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A8 Left Front Door Midrear y Velocity

Max: 44.8 [kph] at 0.008 [s]

Min: -1.6 [kph] at 0.022 [s]

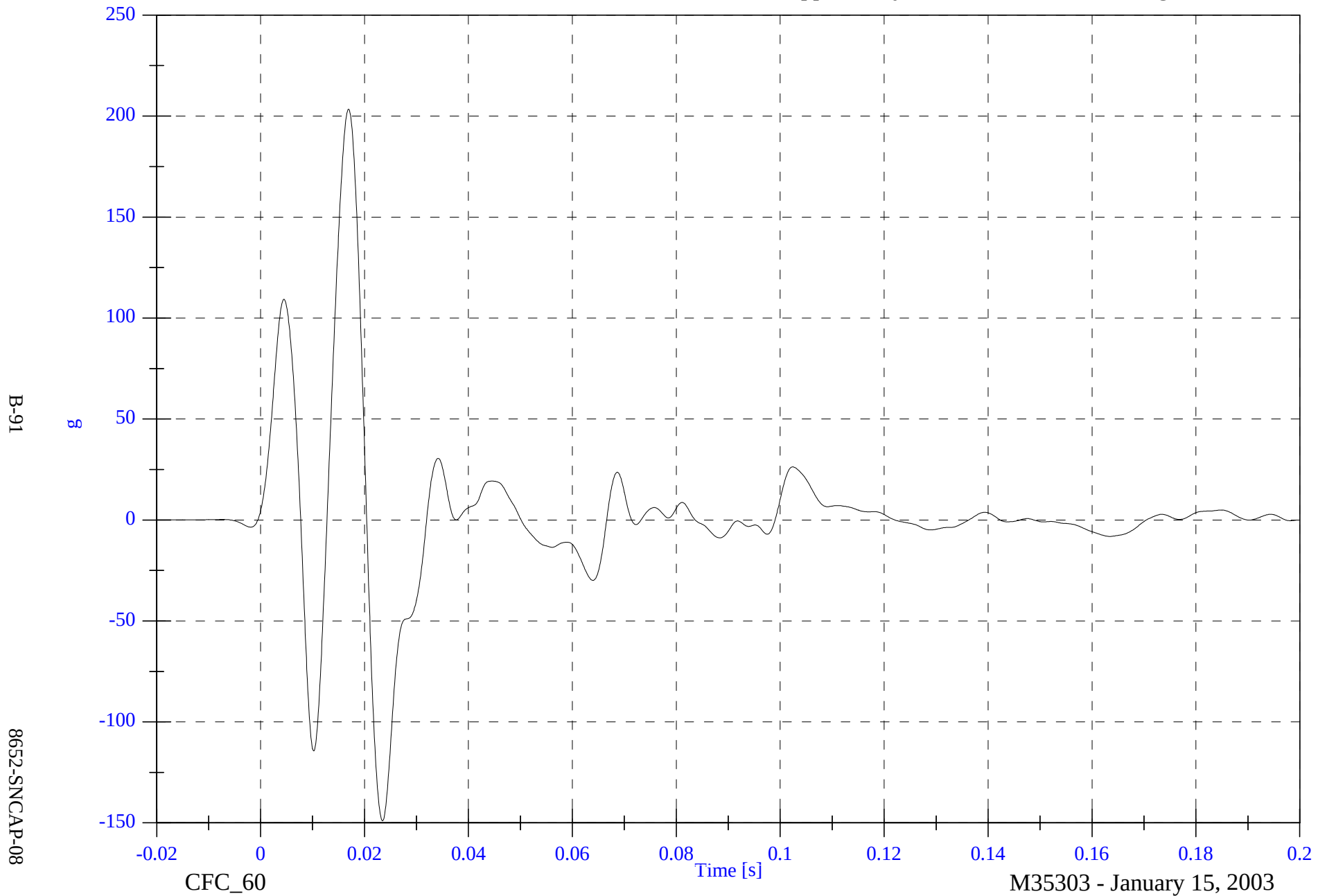


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A9 Left Front Door Upper C/L y

Max: 203.5 [g] at 0.017 [s]

Min: -149.0 [g] at 0.023 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

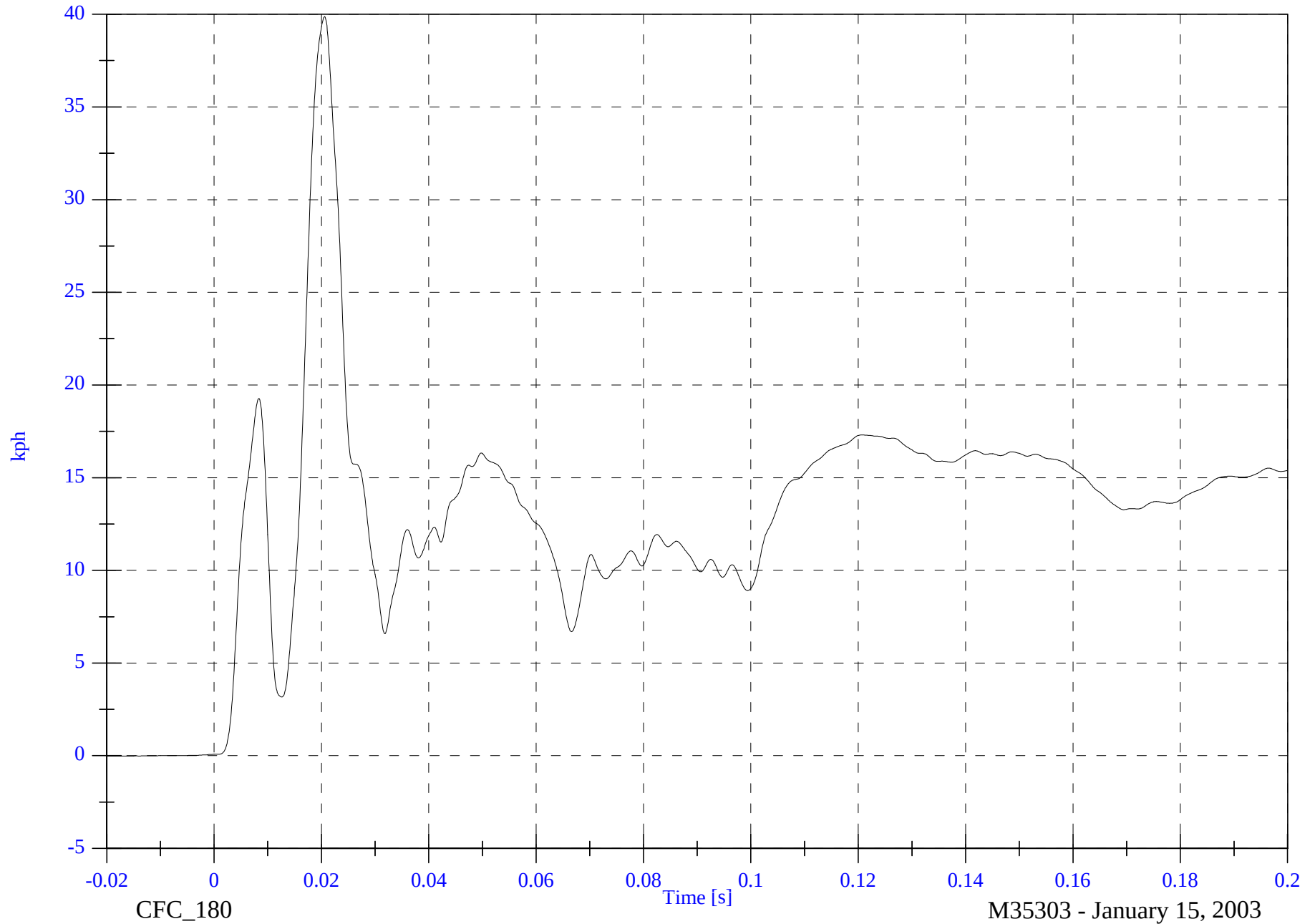
V2 A9 Left Front Door Upper C/L y Velocity

Max: 39.9 [kph] at 0.021 [s]

Min: -0.0 [kph] at -0.020 [s]

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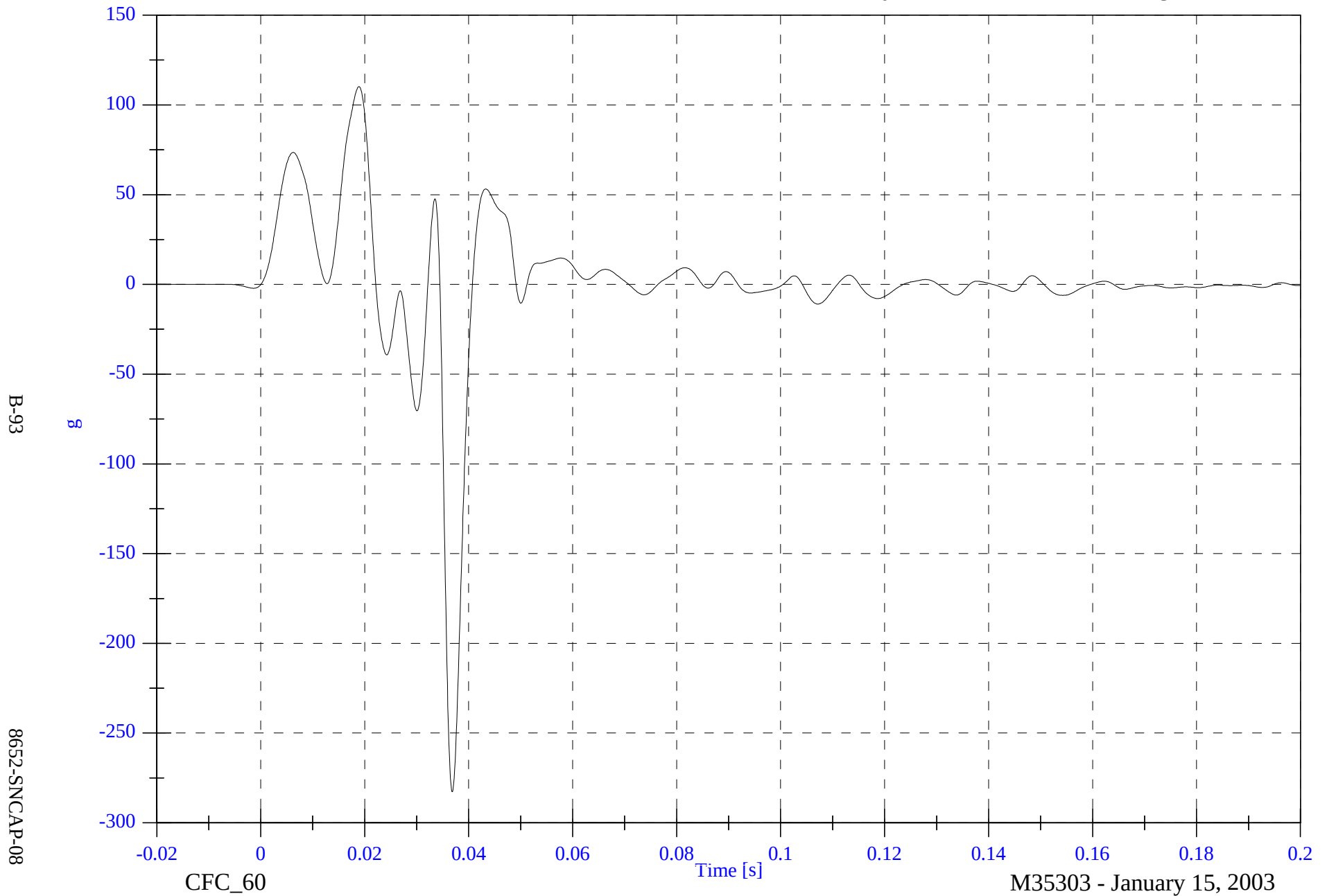


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A10 Left Rear Door Midrear y

Max: 110.2 [g] at 0.019 [s]

Min: -282.7 [g] at 0.037 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

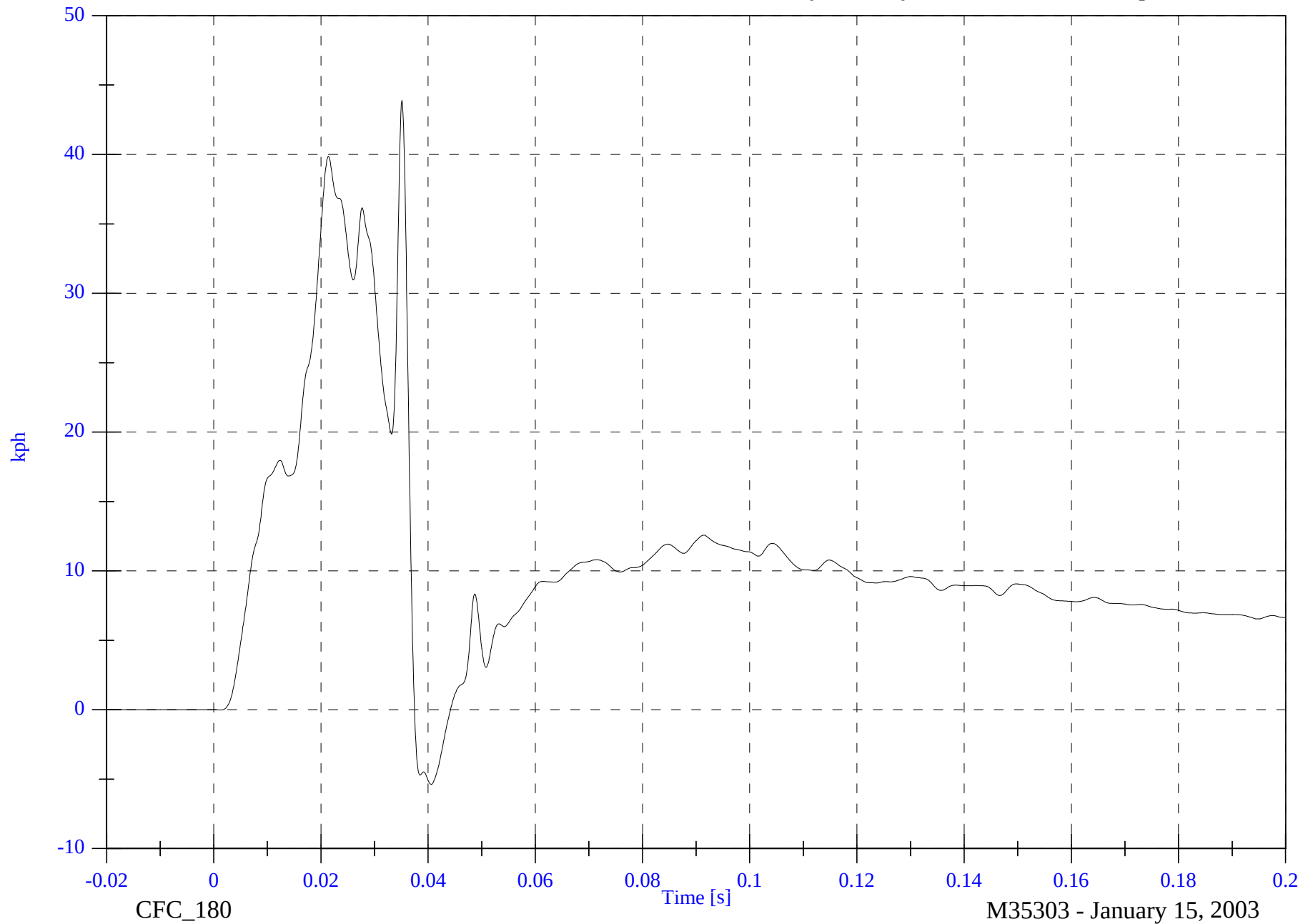
V2 A10 Left Rear Door Midrear y Velocity

Max: 43.9 [kph] at 0.035 [s]

Min: -5.4 [kph] at 0.041 [s]

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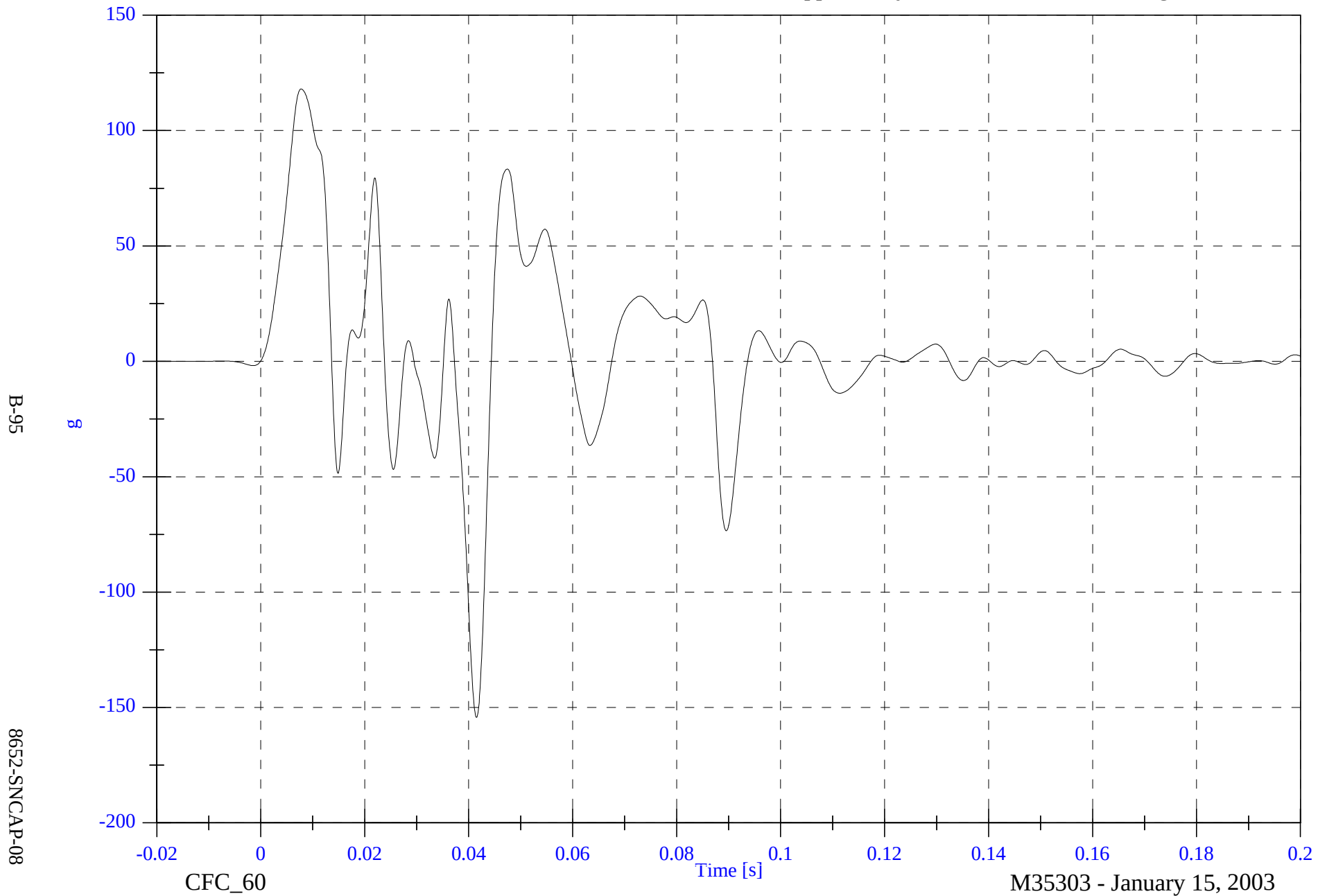


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A11 Left Rear Door Upper C/L y

Max: 118.0 [g] at 0.008 [s]

Min: -154.4 [g] at 0.041 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

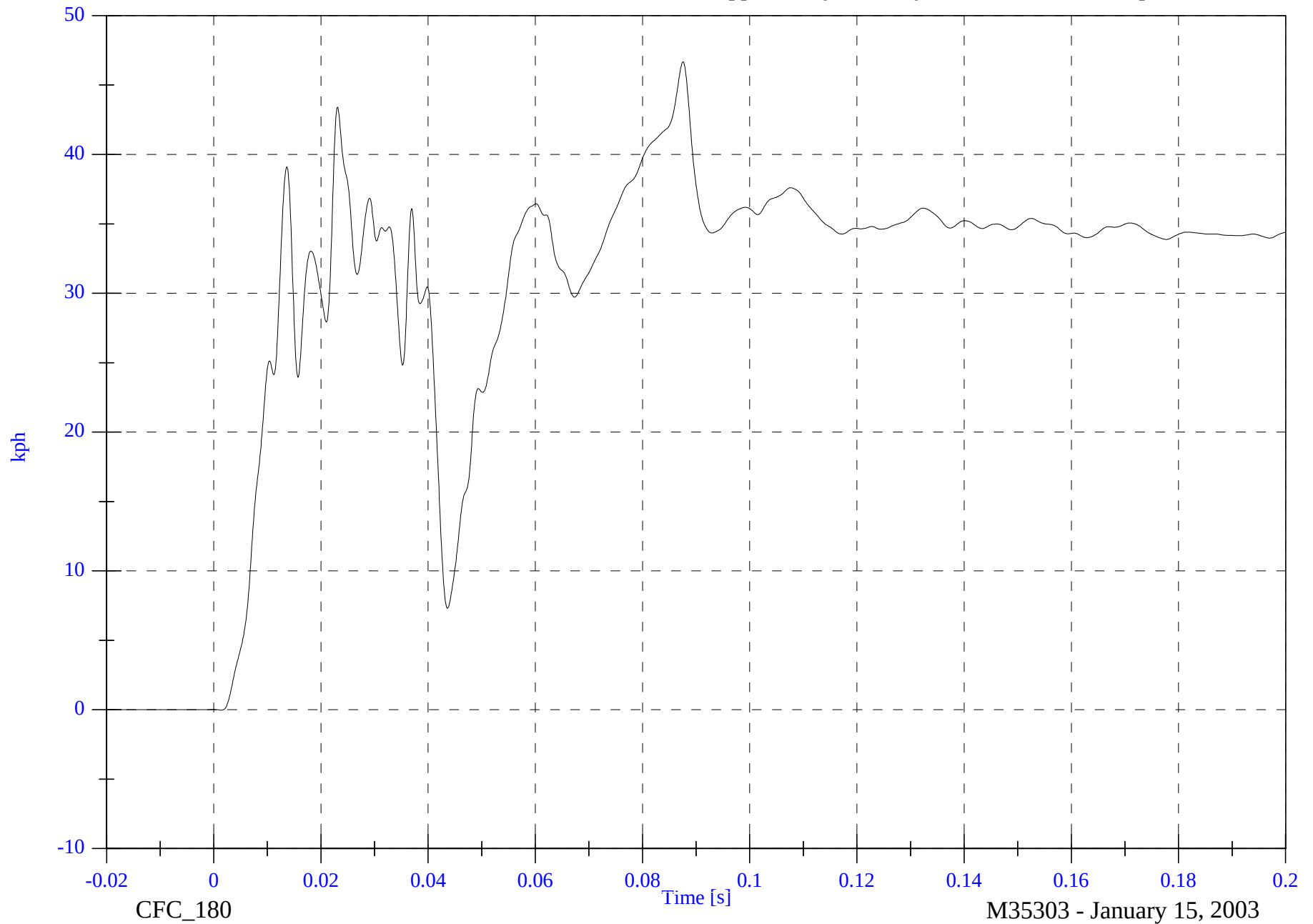
V2 A11 Left Rear Door Upper C/L y Velocity

Max: 46.7 [kph] at 0.088 [s]

Min: -0.0 [kph] at 0.001 [s]

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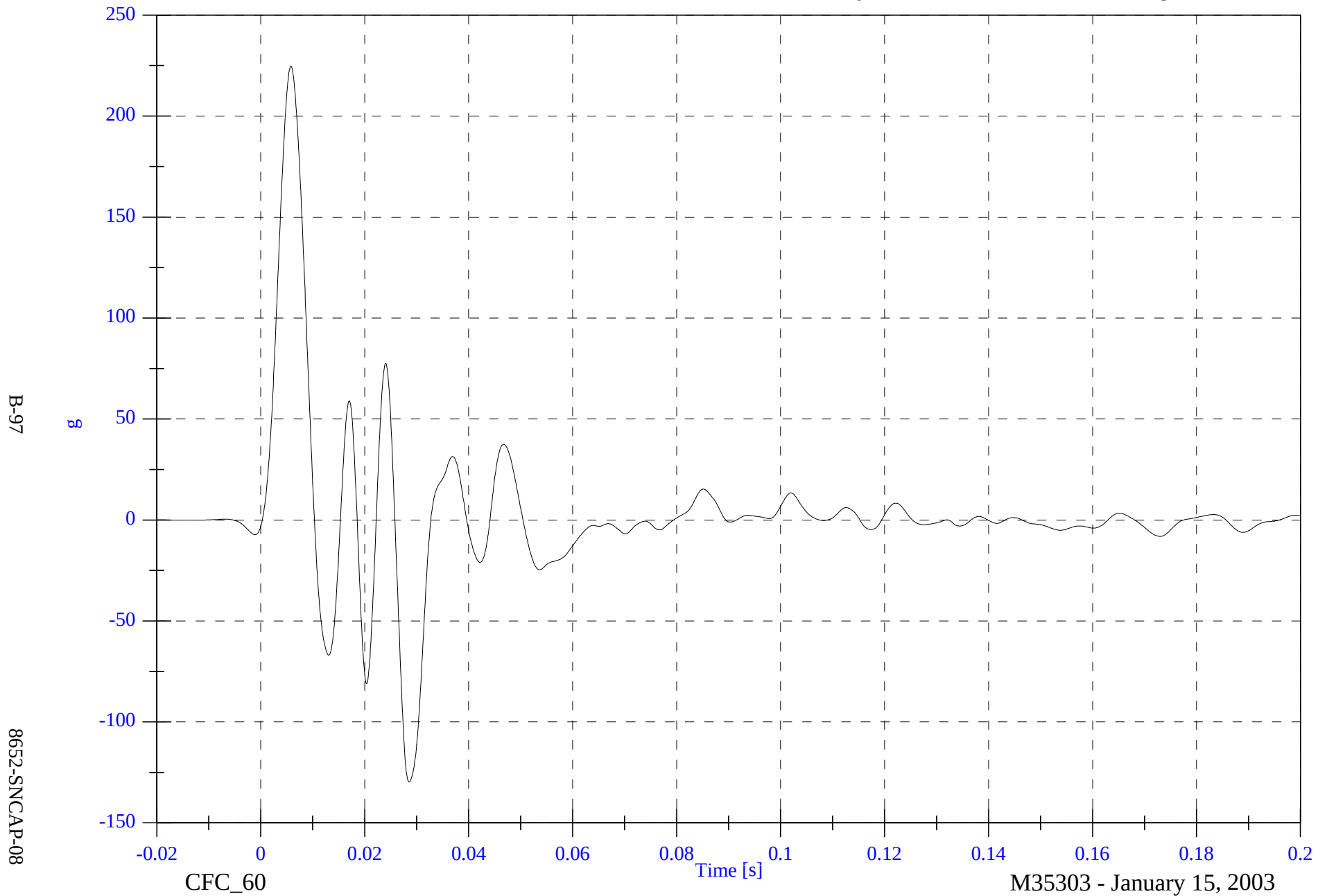


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A12 Left Lower B Post y

Max: 224.8 [g] at 0.006 [s]

Min: -129.7 [g] at 0.029 [s]

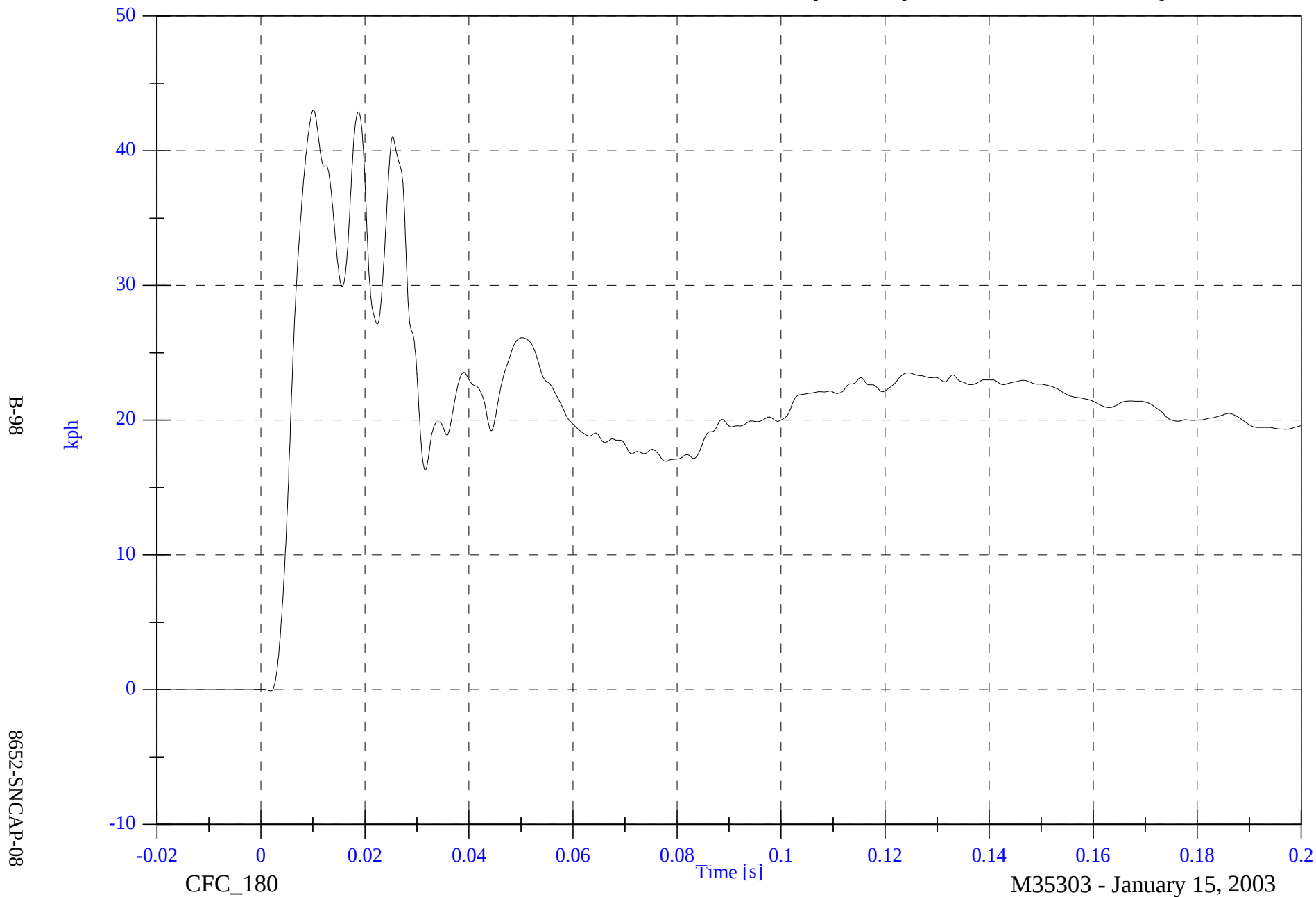


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A12 Left Lower B Post y Velocity

Max: 43.0 [kph] at 0.010 [s]

Min: -0.1 [kph] at 0.002 [s]

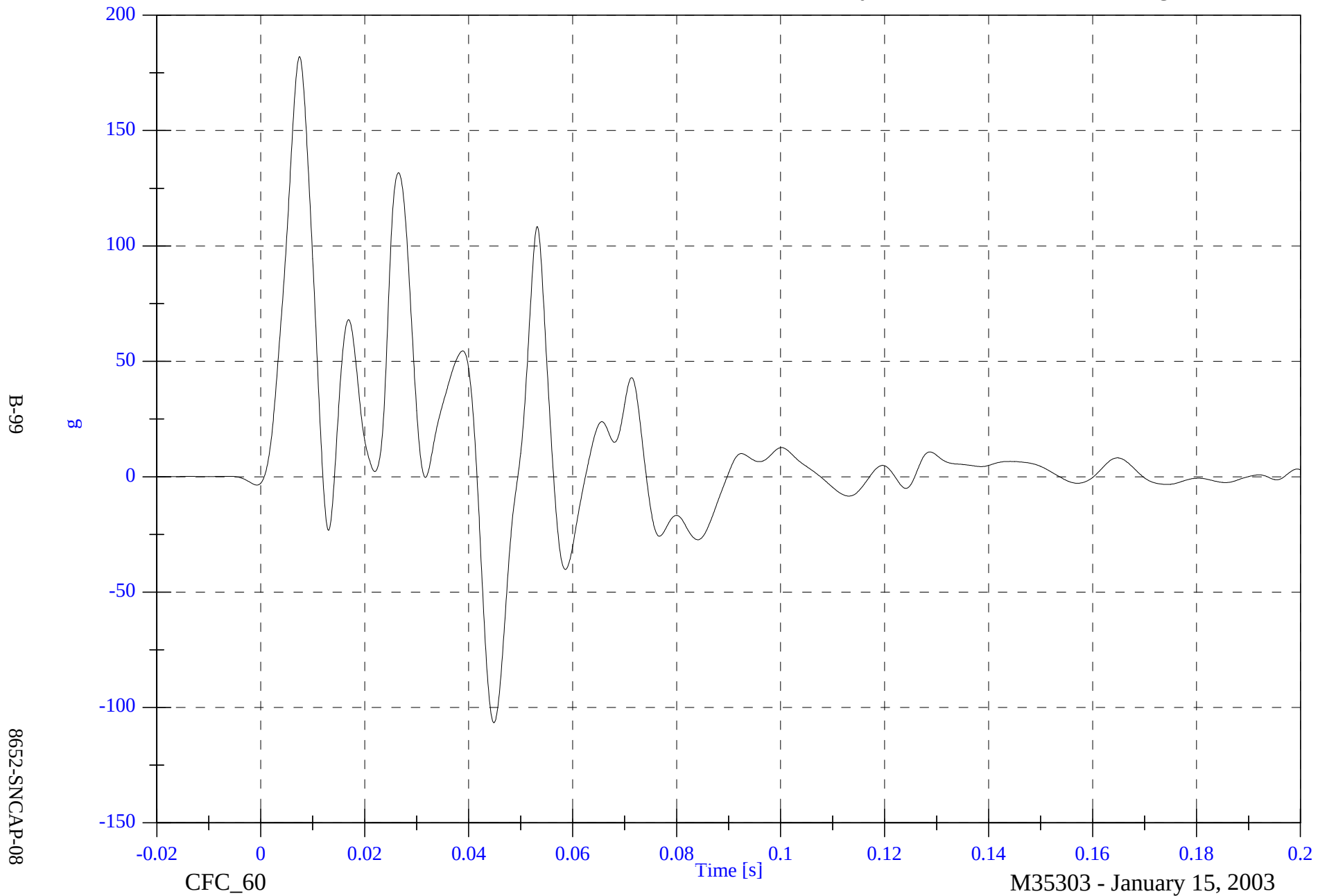


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A13 Left Middle B Post y

Max: 182.0 [g] at 0.007 [s]

Min: -106.6 [g] at 0.045 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A13 Left Middle B Post y Velocity

Max: 78.4 [kph] at 0.073 [s]

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

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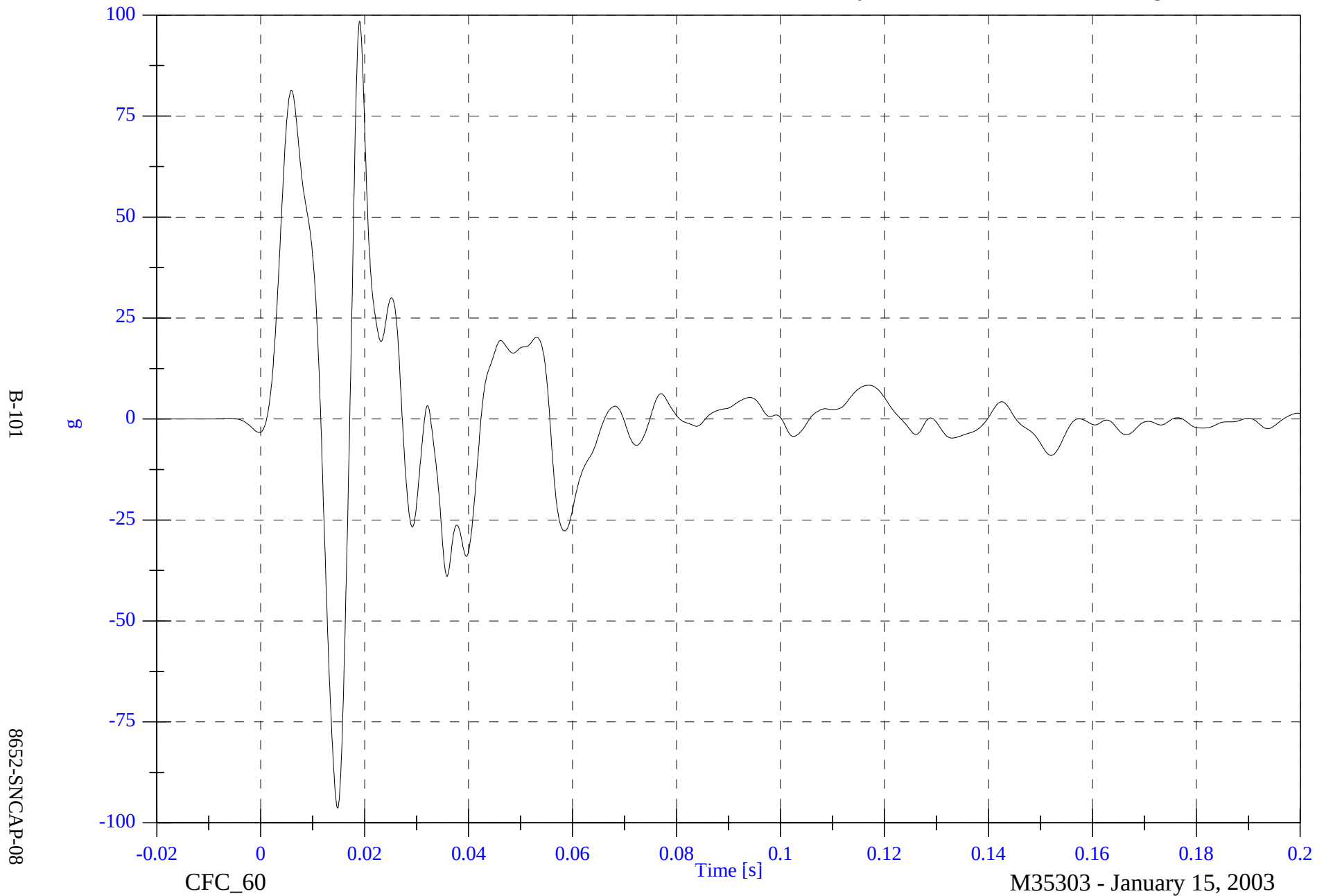


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A14 Left Lower A Post y

Max: 98.5 [g] at 0.019 [s]

Min: -96.3 [g] at 0.015 [s]

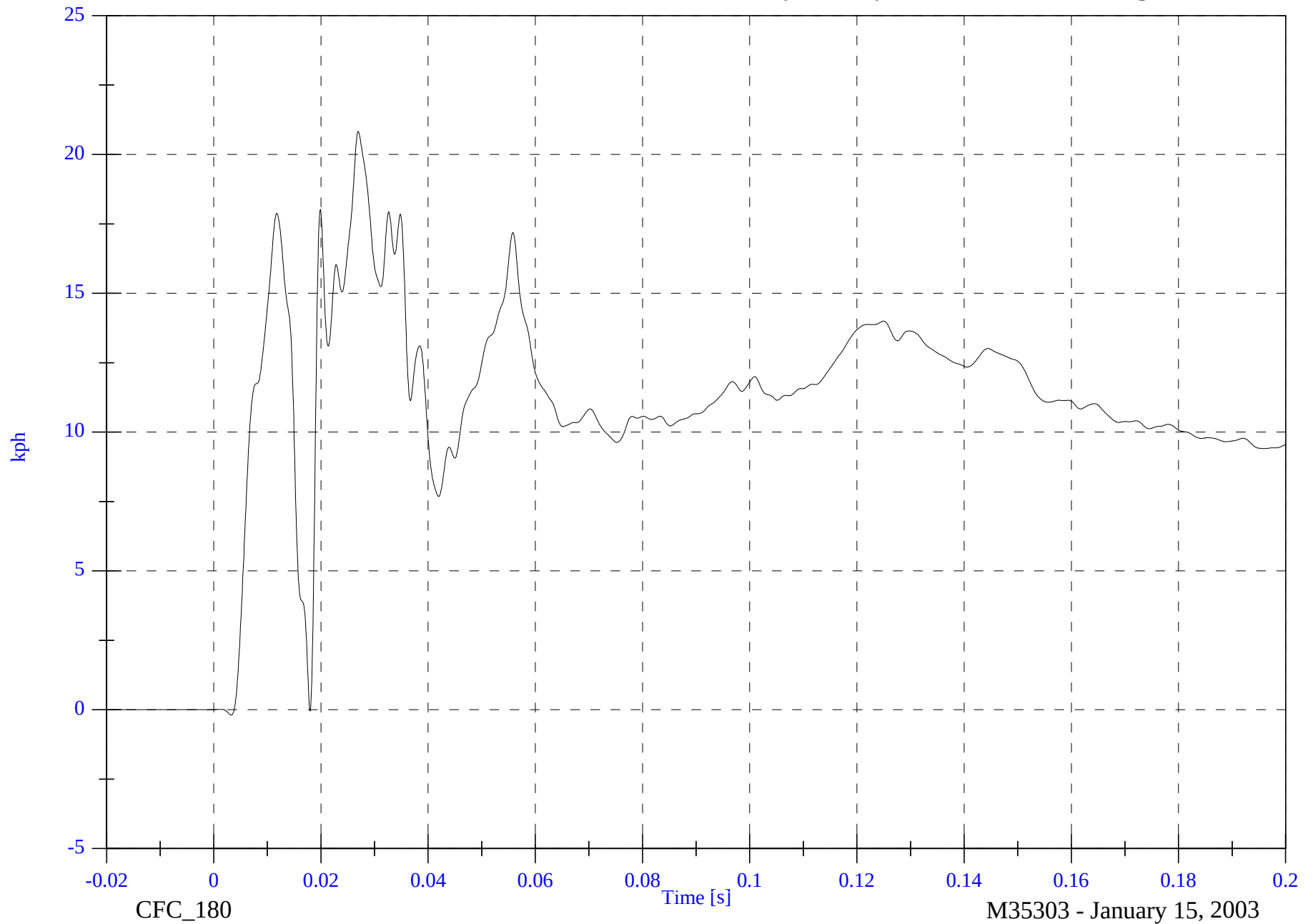


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A14 Left Lower A Post y Velocity

Max: 20.8 [kph] at 0.027 [s]

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



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CFC_180

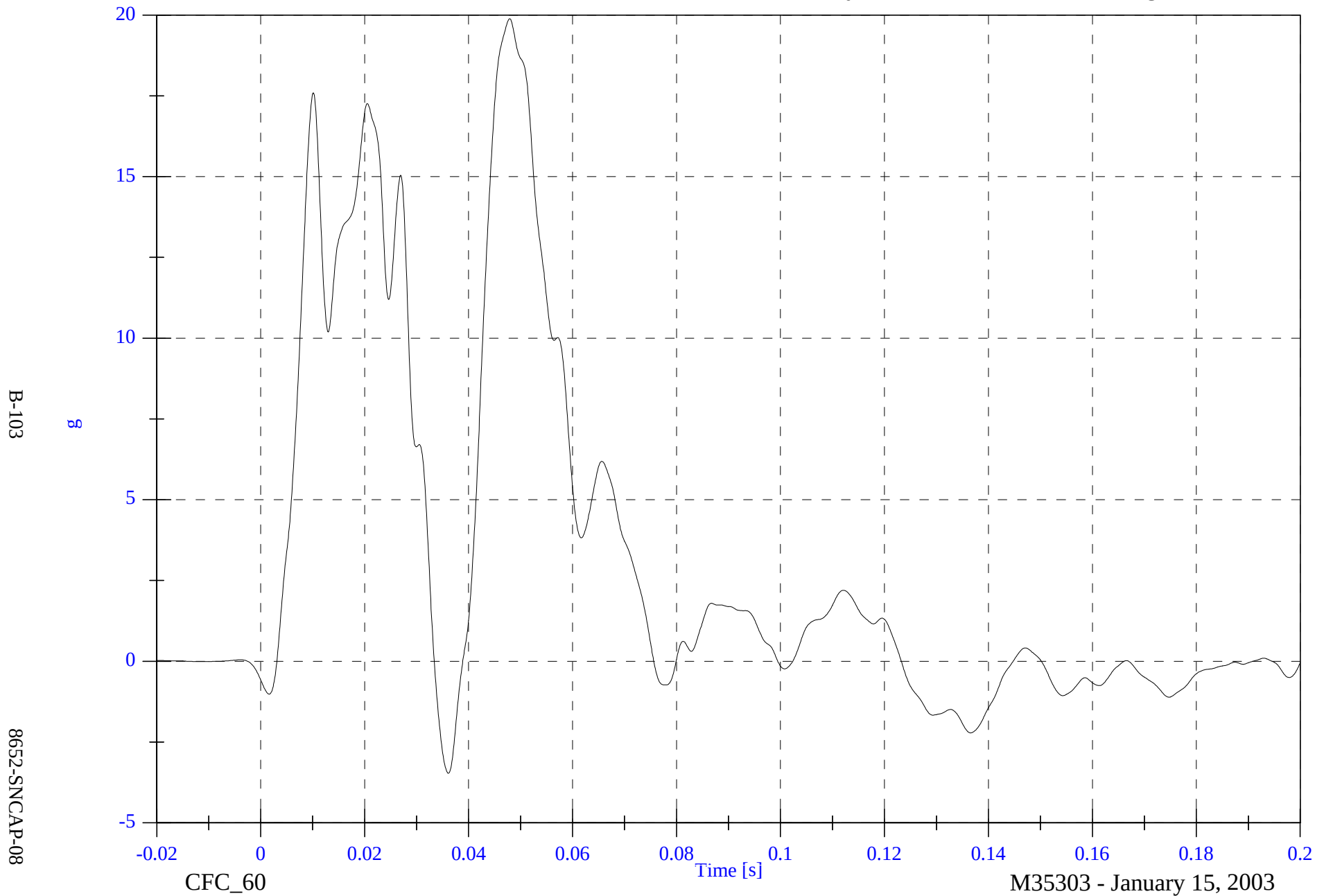
M35303 - January 15, 2003

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A15 Left Mid A Post y

Max: 19.9 [g] at 0.048 [s]

Min: -3.5 [g] at 0.036 [s]

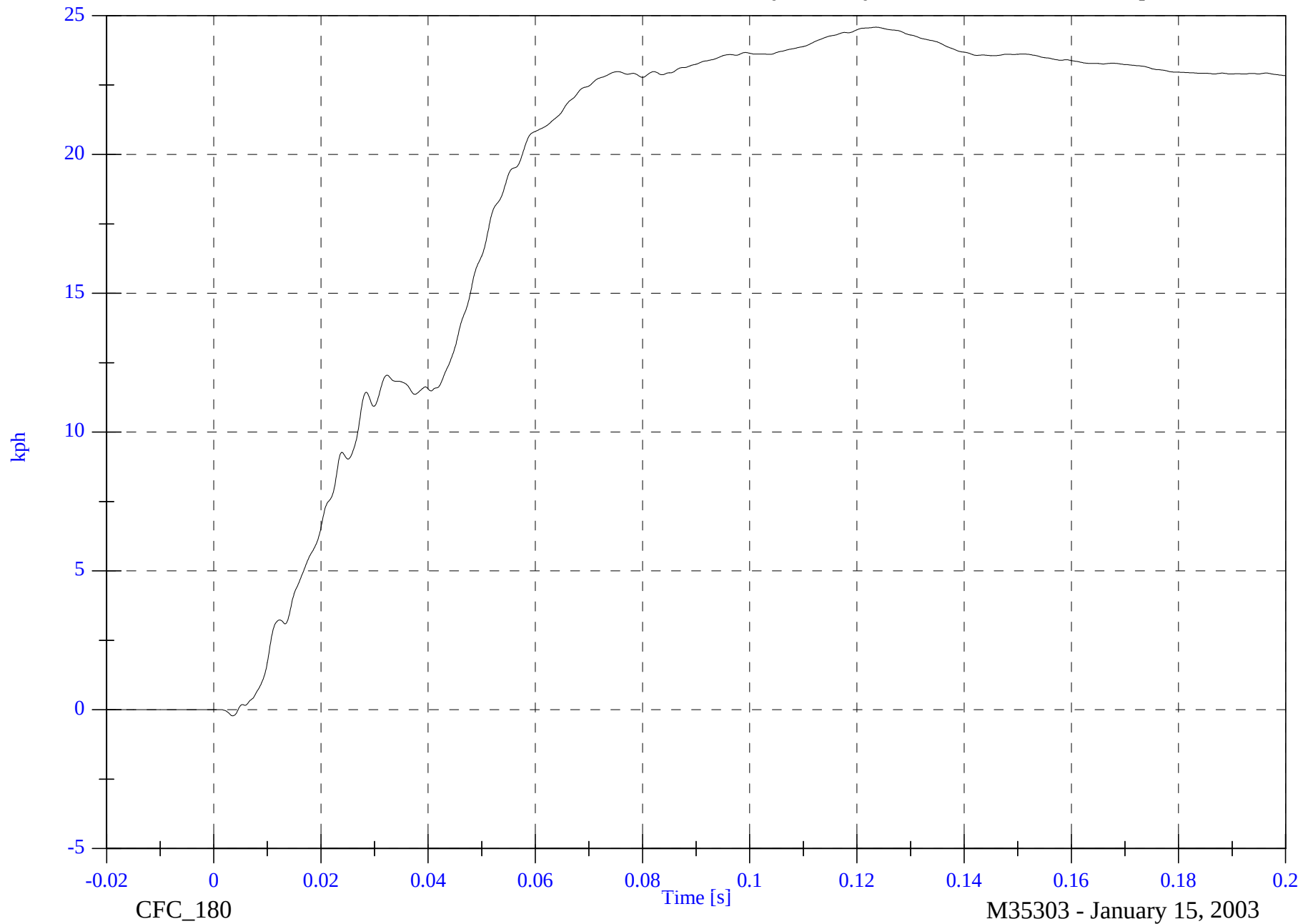


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A15 Left Mid A Post y Velocity

Max: 24.6 [kph] at 0.124 [s]

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



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8652-SNCAP-08

CFC_180

Time [s]

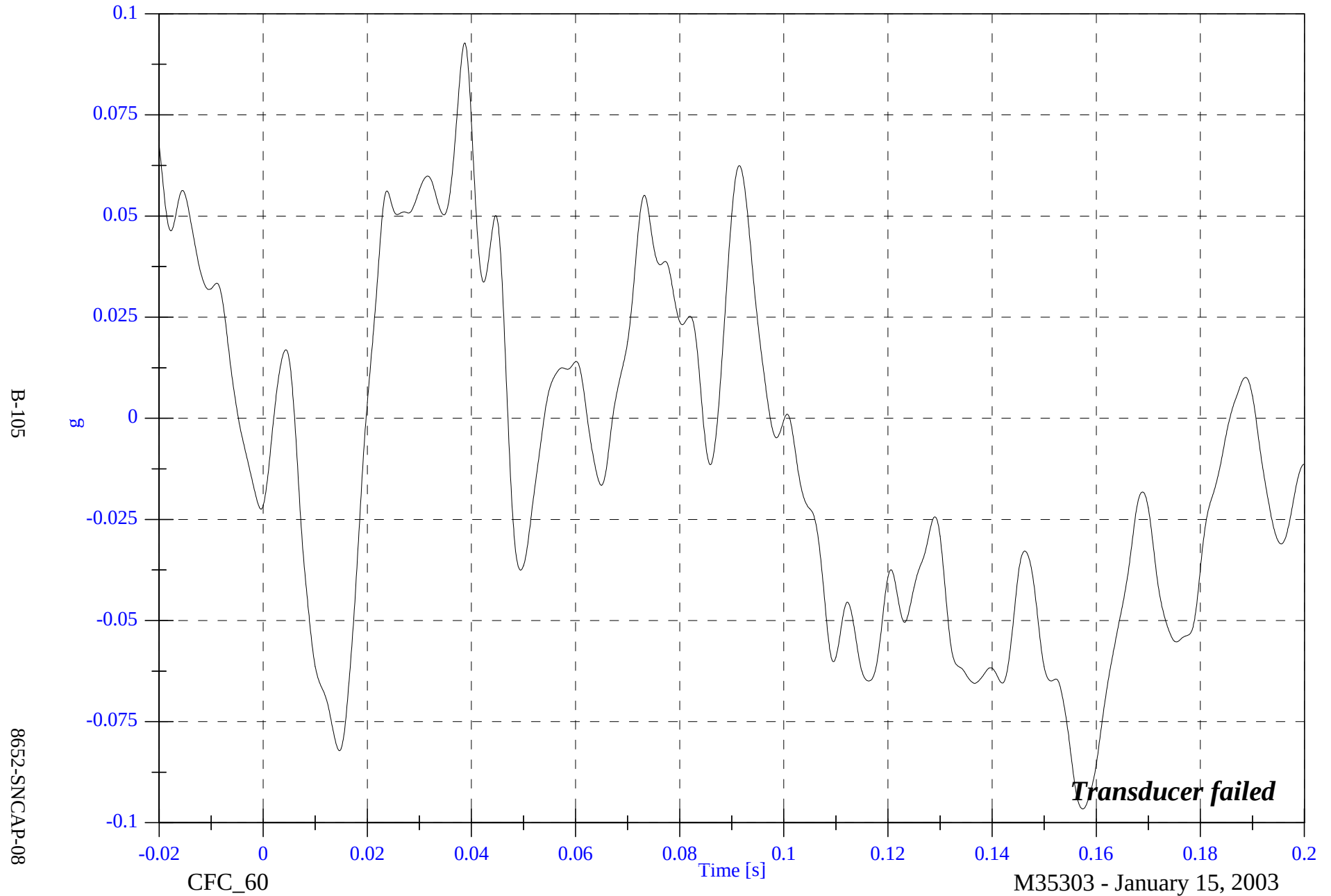
M35303 - January 15, 2003

2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A16 Front Seat Track y

Max: 0.1 [g] at 0.039 [s]

Min: -0.1 [g] at 0.157 [s]

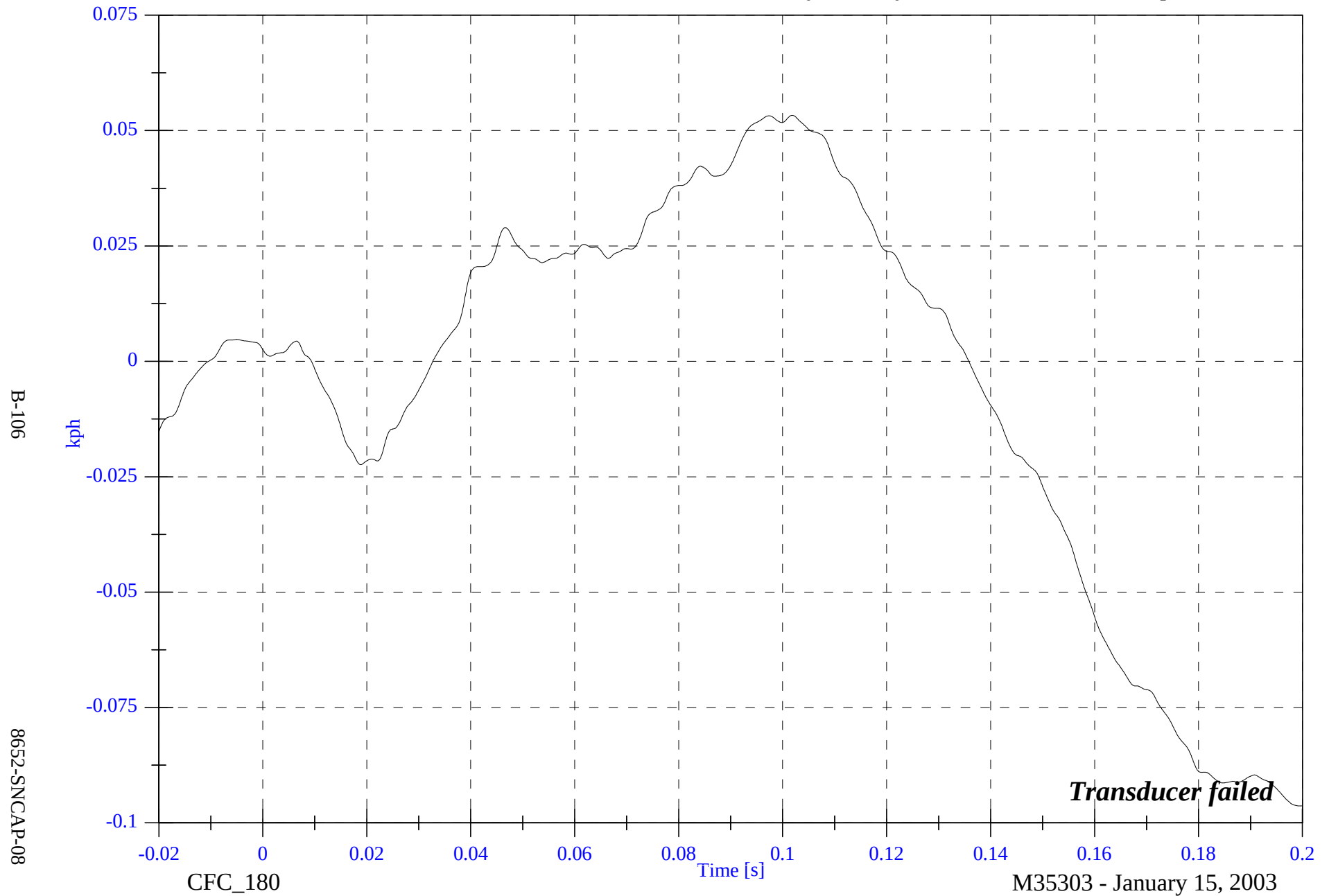


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A16 Front Seat Track y Velocity

Max: 0.1 [kph] at 0.102 [s]

Min: -0.1 [kph] at 0.200 [s]

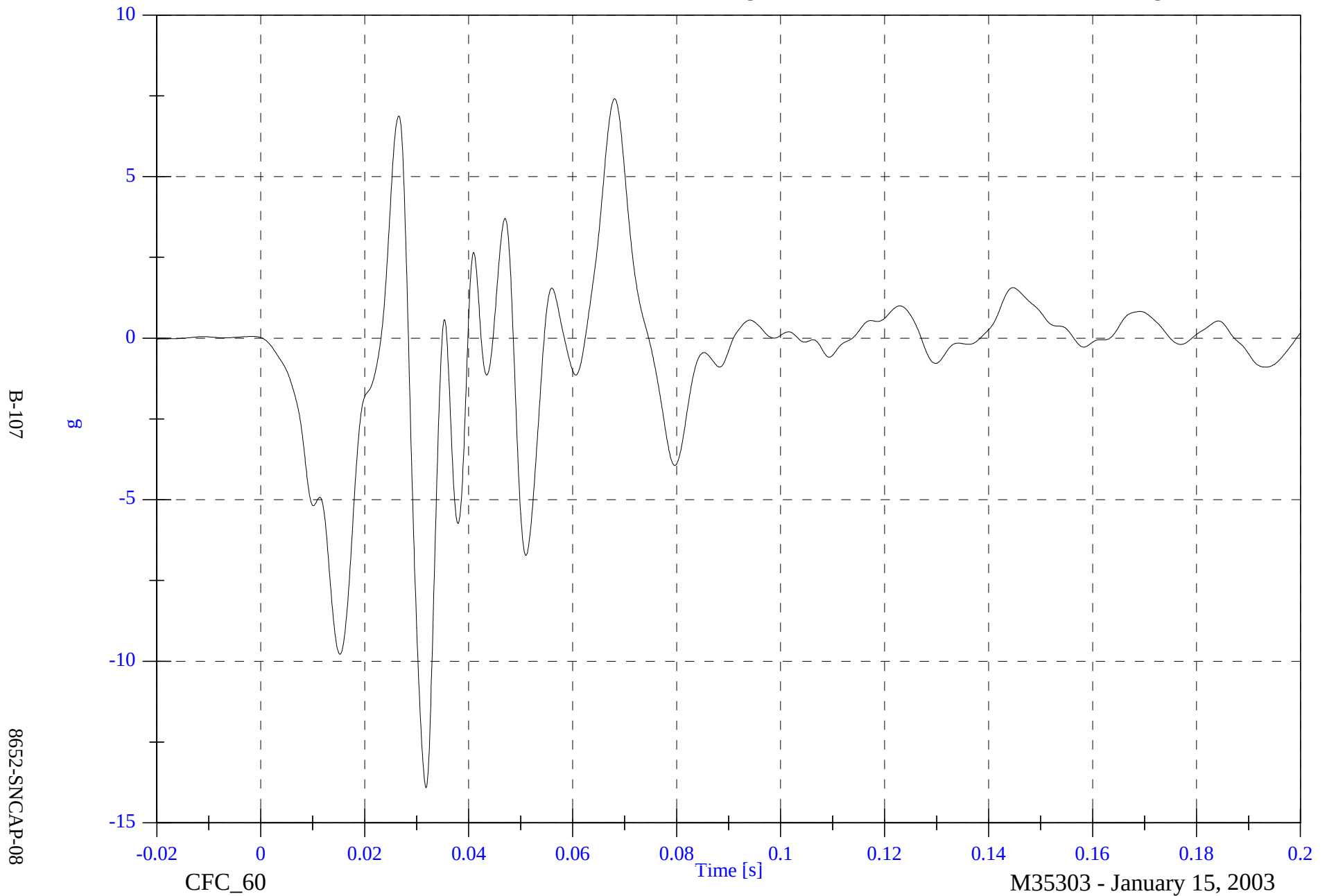


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A18 Target CG x

Max: 7.4 [g] at 0.068 [s]

Min: -13.9 [g] at 0.032 [s]

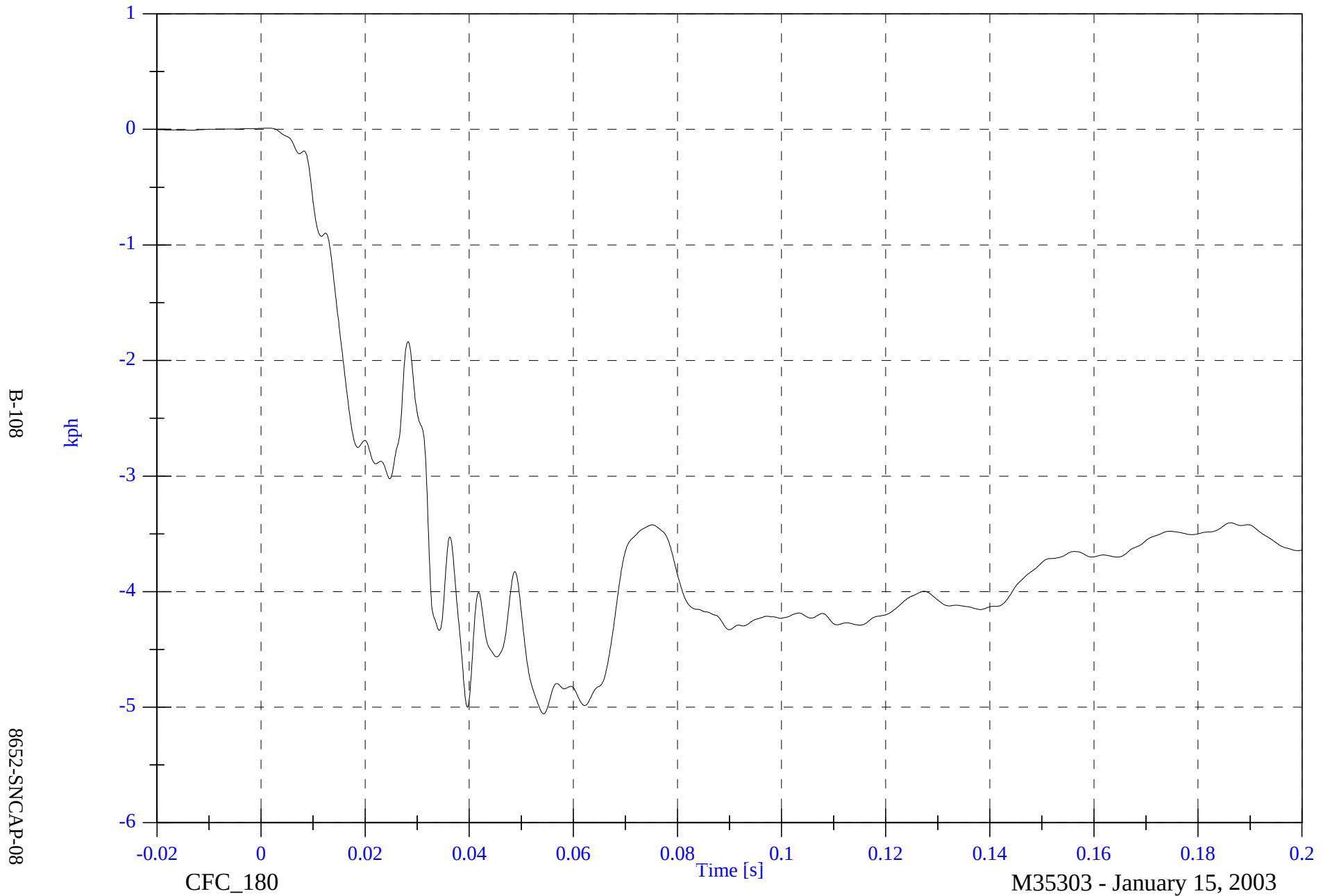


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A18 Target CG x Velocity

Max: 0.0 [kph] at 0.001 [s]

Min: -5.1 [kph] at 0.054 [s]

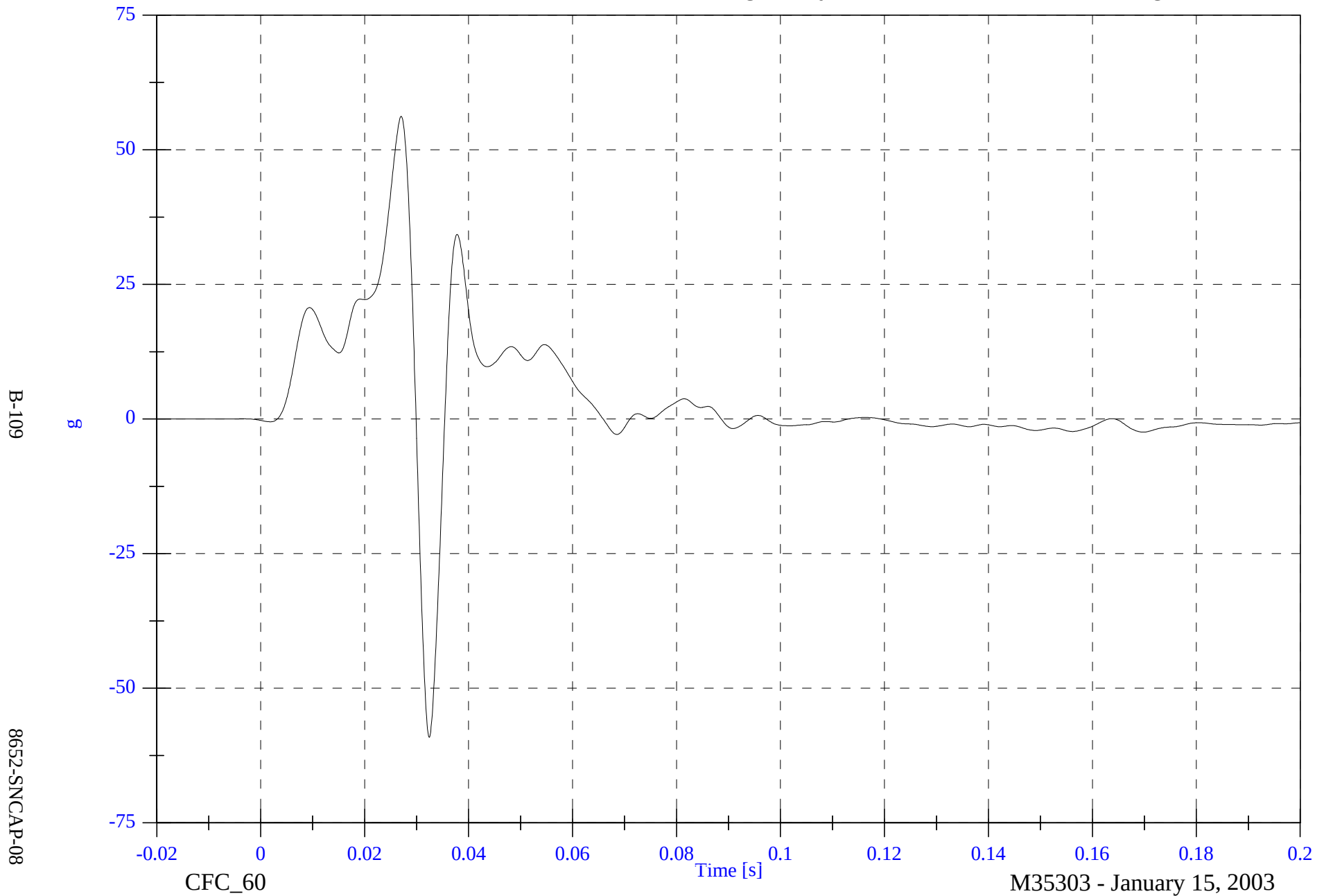


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A18 Target CG y

Max: 56.2 [g] at 0.027 [s]

Min: -59.1 [g] at 0.032 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

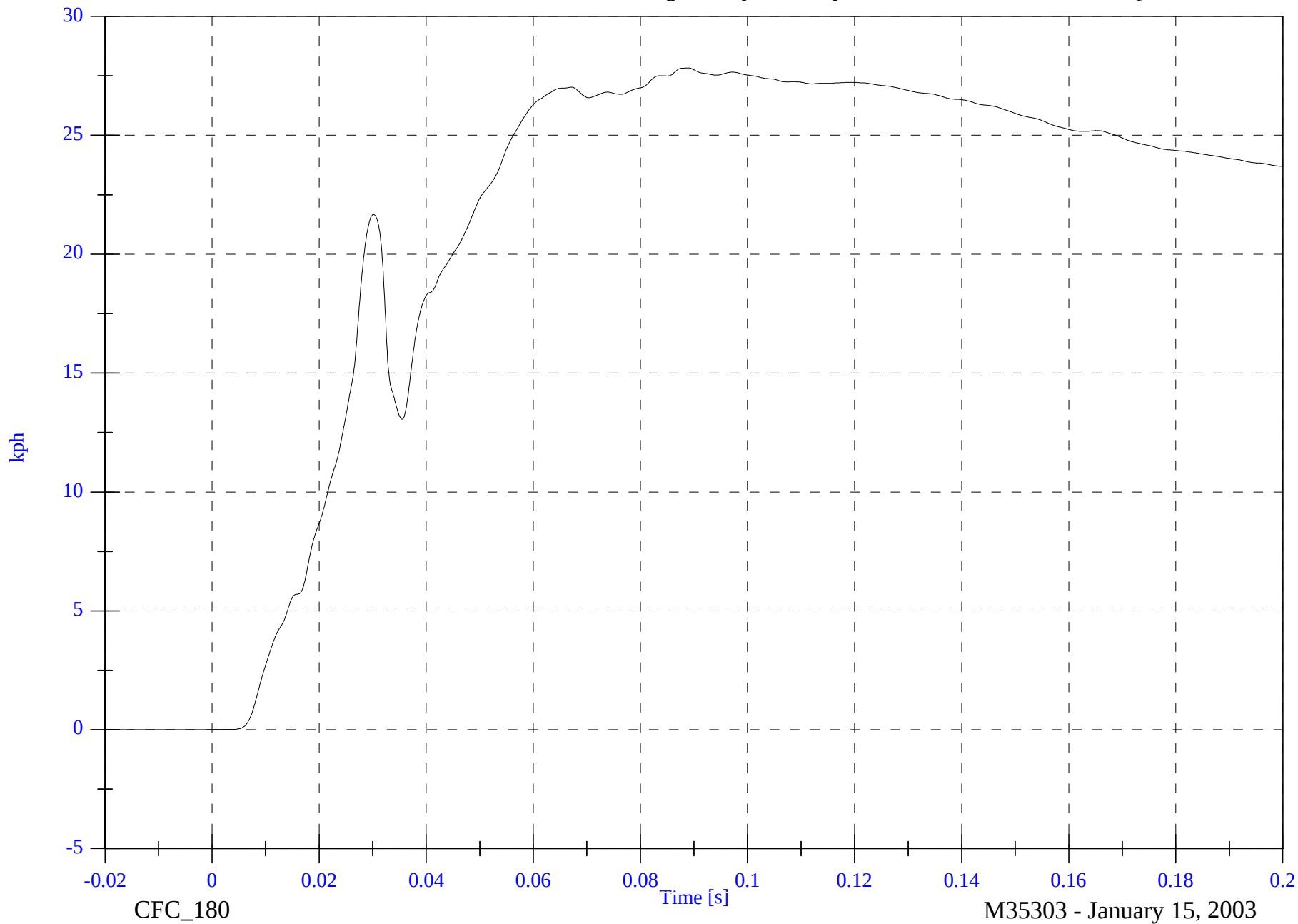
V2 A18 Target CG y Velocity

Max: 27.8 [kph] at 0.089 [s]

Min: -0.0 [kph] at -0.016 [s]

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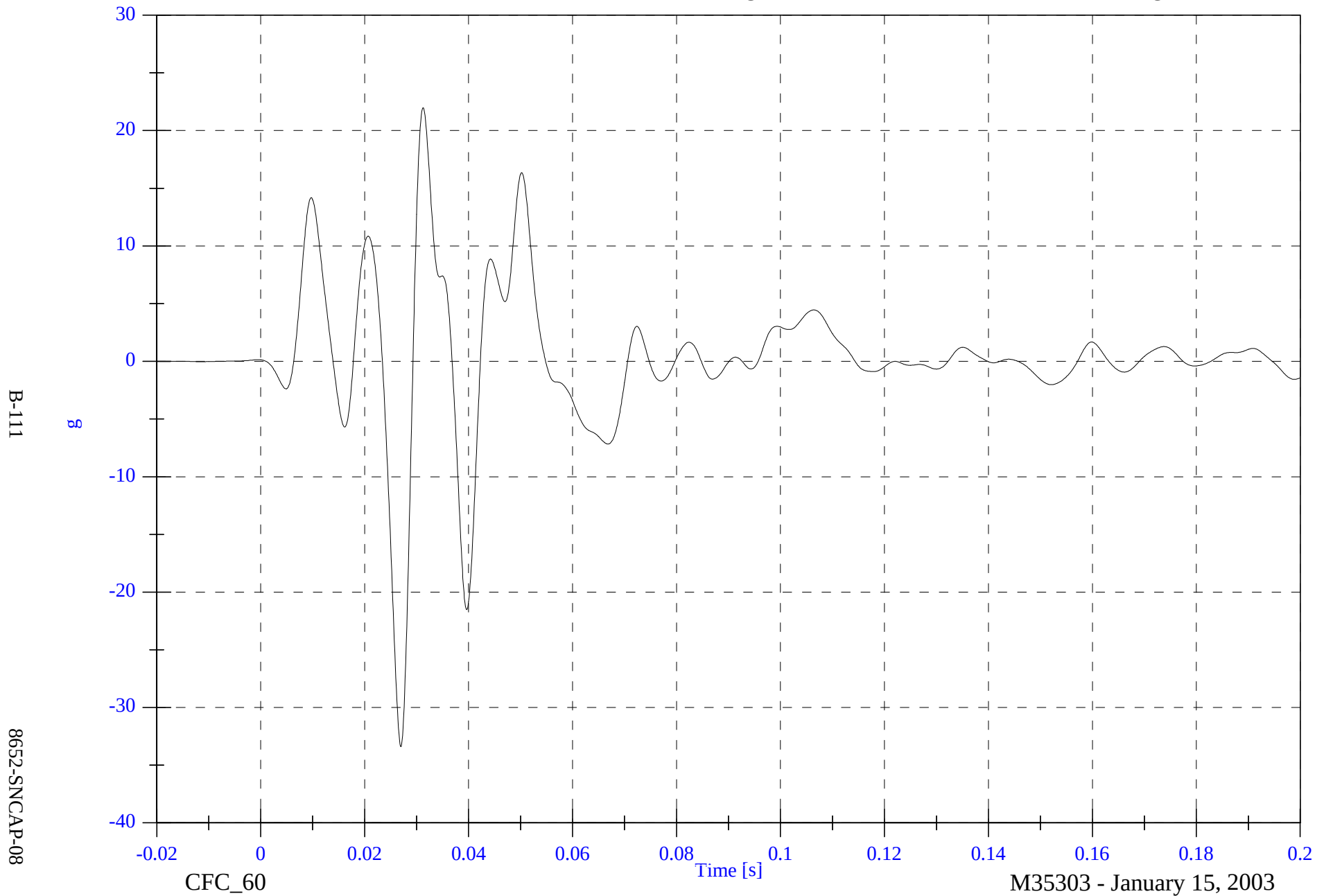


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2 A18 Target CG z

Max: 22.0 [g] at 0.031 [s]

Min: -33.4 [g] at 0.027 [s]

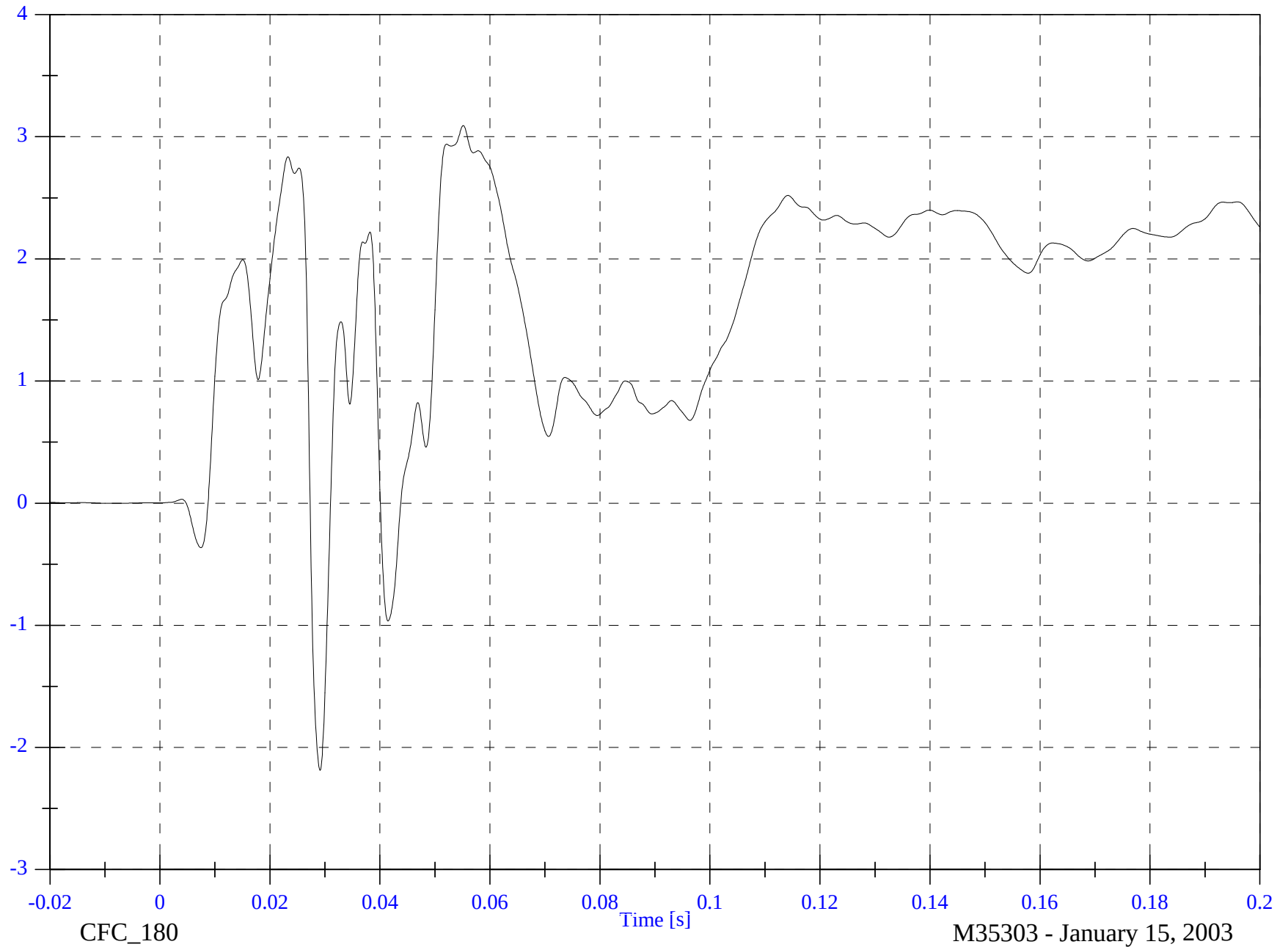


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2 A18 Target CG z Velocity

Max: 3.1 [kph] at 0.055 [s]

Min: -2.2 [kph] at 0.029 [s]



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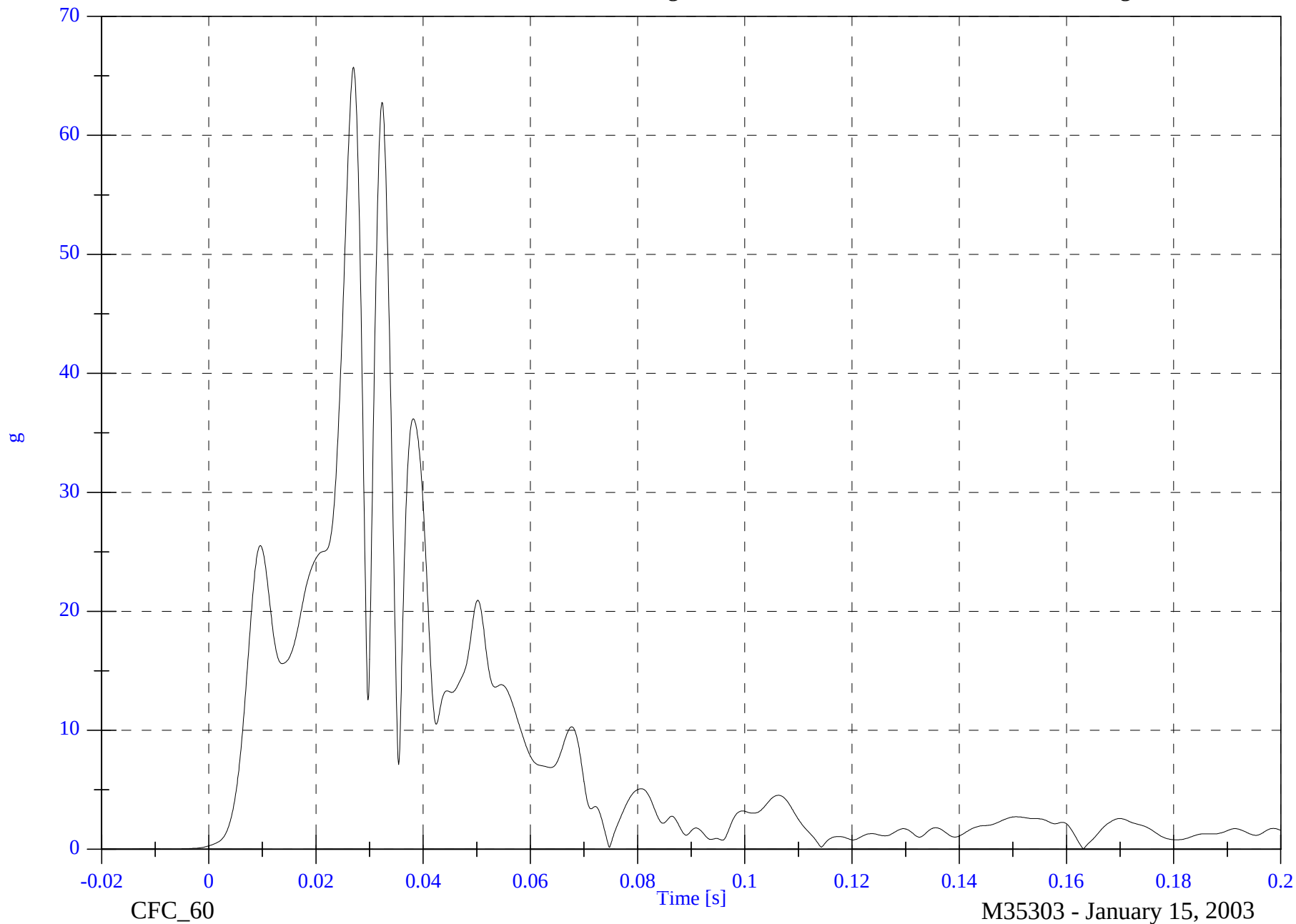
V2 A18 Target CG Resultant

Max: 65.7 [g] at 0.027 [s]

Min: 0.0 [g] at -0.015 [s]

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2003 SNCAP Test 3 2003 Honda Accord 2 Door

V1 Moving Barrier CG X

Max: 1.4 [g] at 0.114 [s]

Min: -19.6 [g] at 0.039 [s]

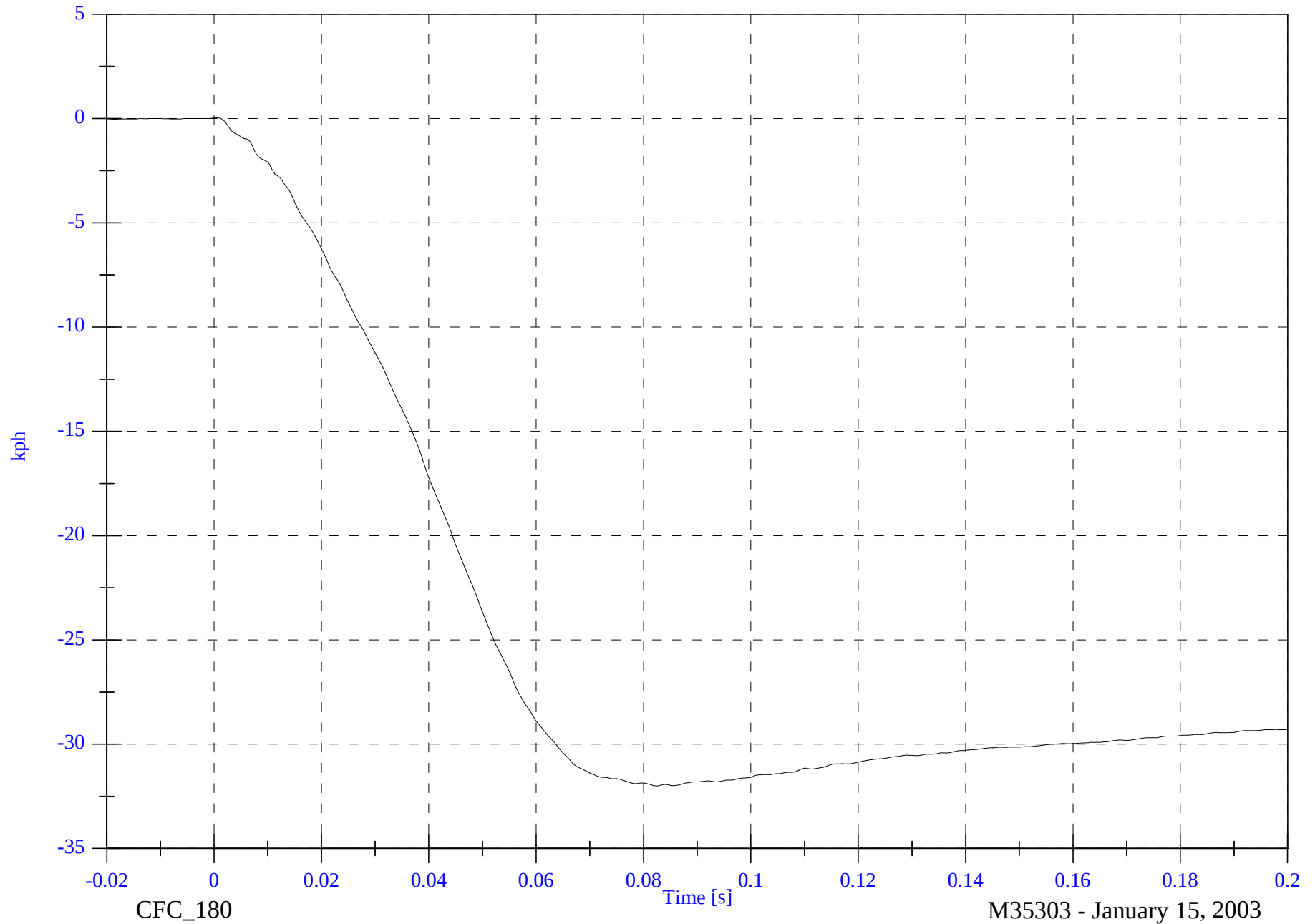


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V1 Moving Barrier CG X Velocity

Max: 0.0 [kph] at 0.001 [s]

Min: -32.0 [kph] at 0.082 [s]



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CFC_180

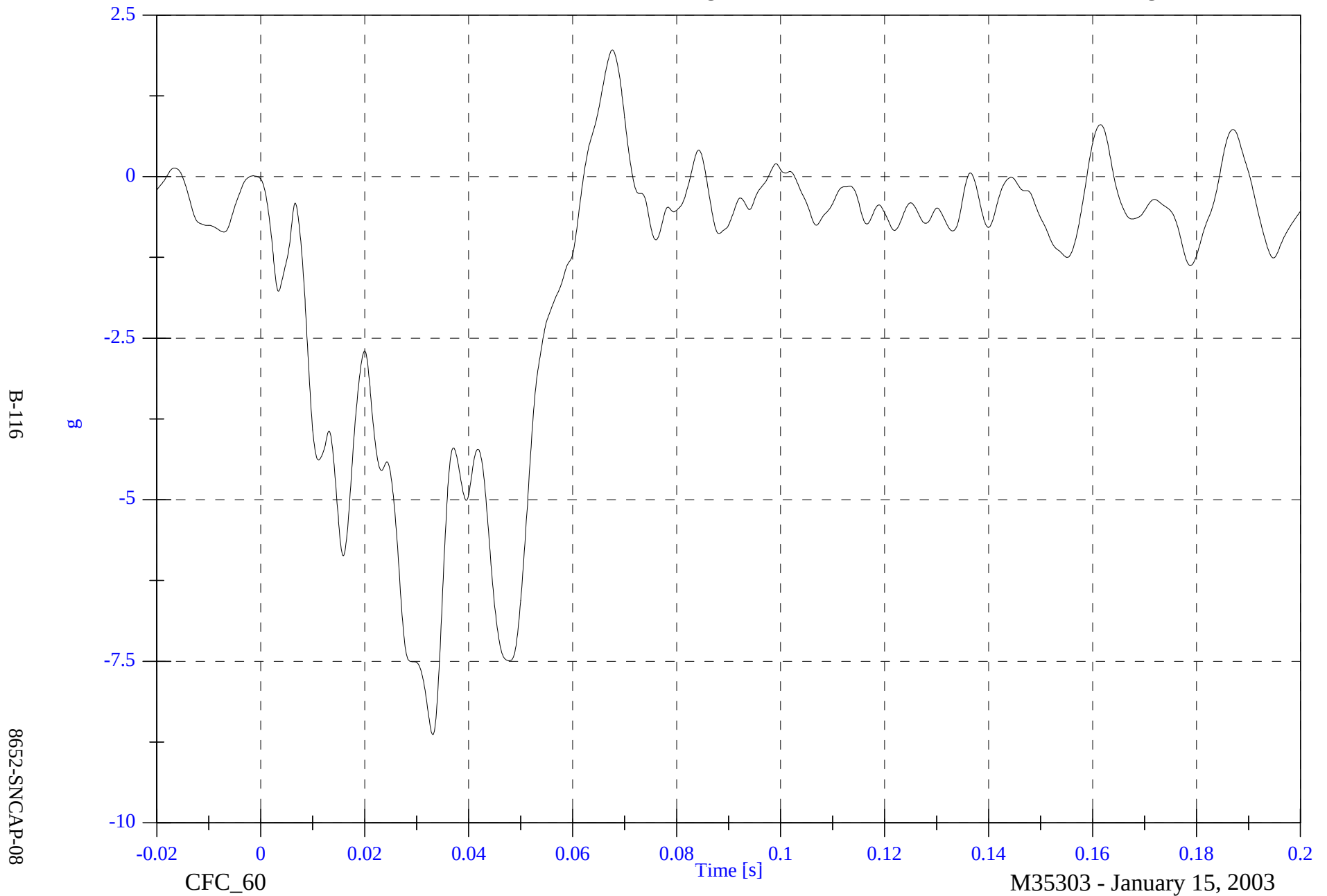
M35303 - January 15, 2003

2003 SENCAP Test 3 2003 Honda Accord 2 Door

V1 Moving Barrier CG Y

Max: 2.0 [g] at 0.068 [s]

Min: -8.6 [g] at 0.033 [s]



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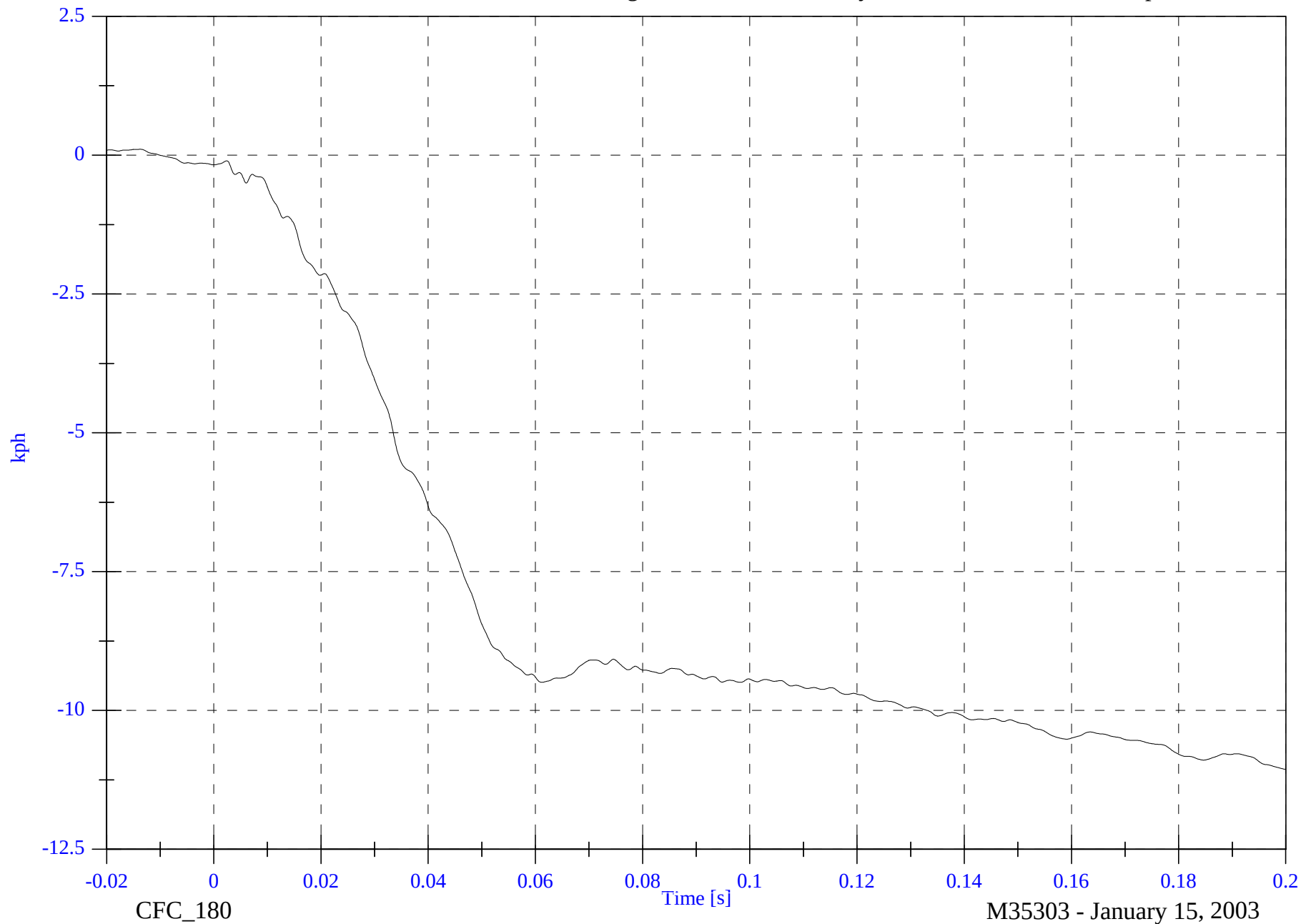
V1 Moving Barrier CG Y Velocity

Max: 0.1 [kph] at -0.014 [s]

Min: -11.1 [kph] at 0.200 [s]

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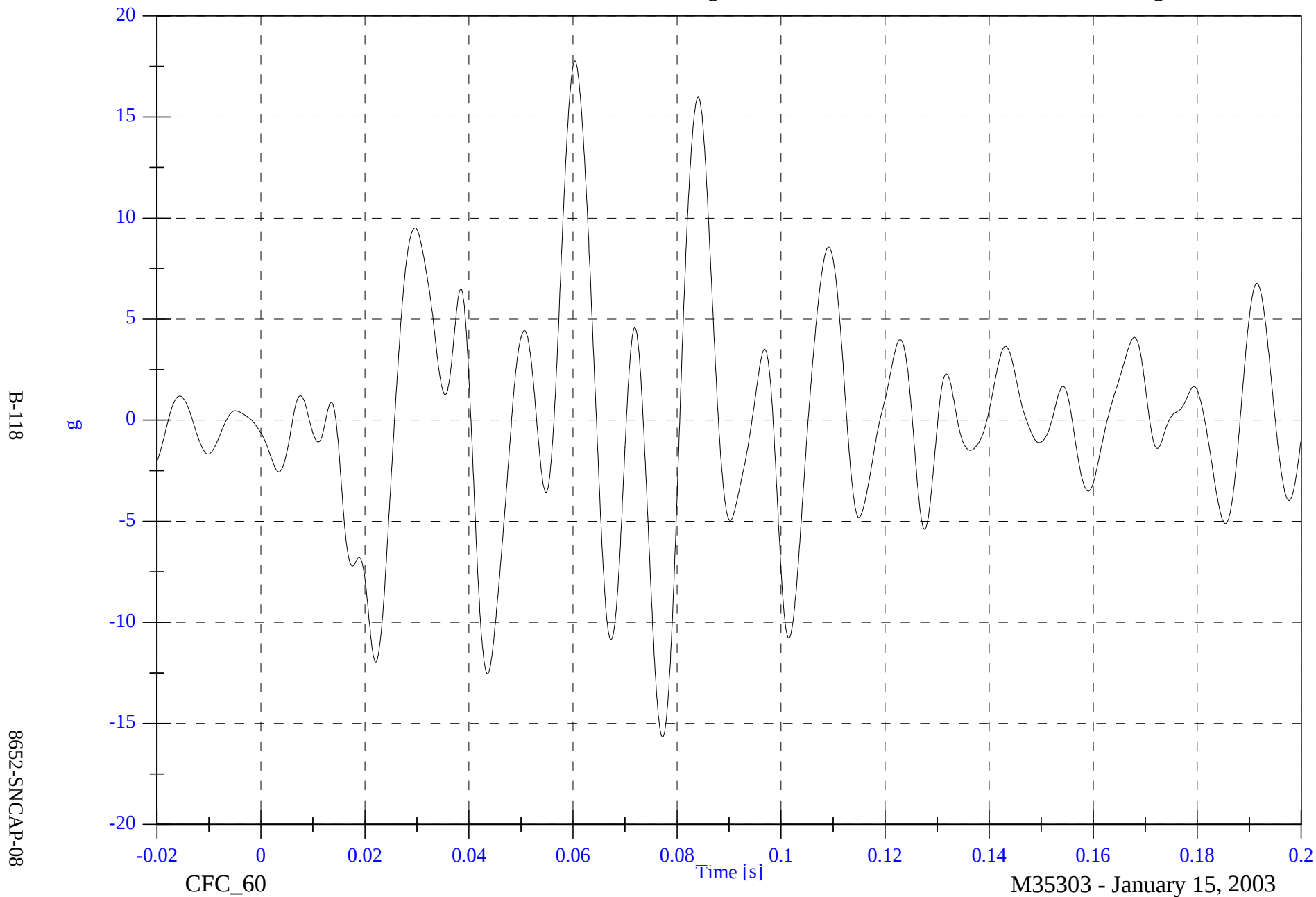


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V1 Moving Barrier CG Z

Max: 17.8 [g] at 0.060 [s]

Min: -15.7 [g] at 0.077 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

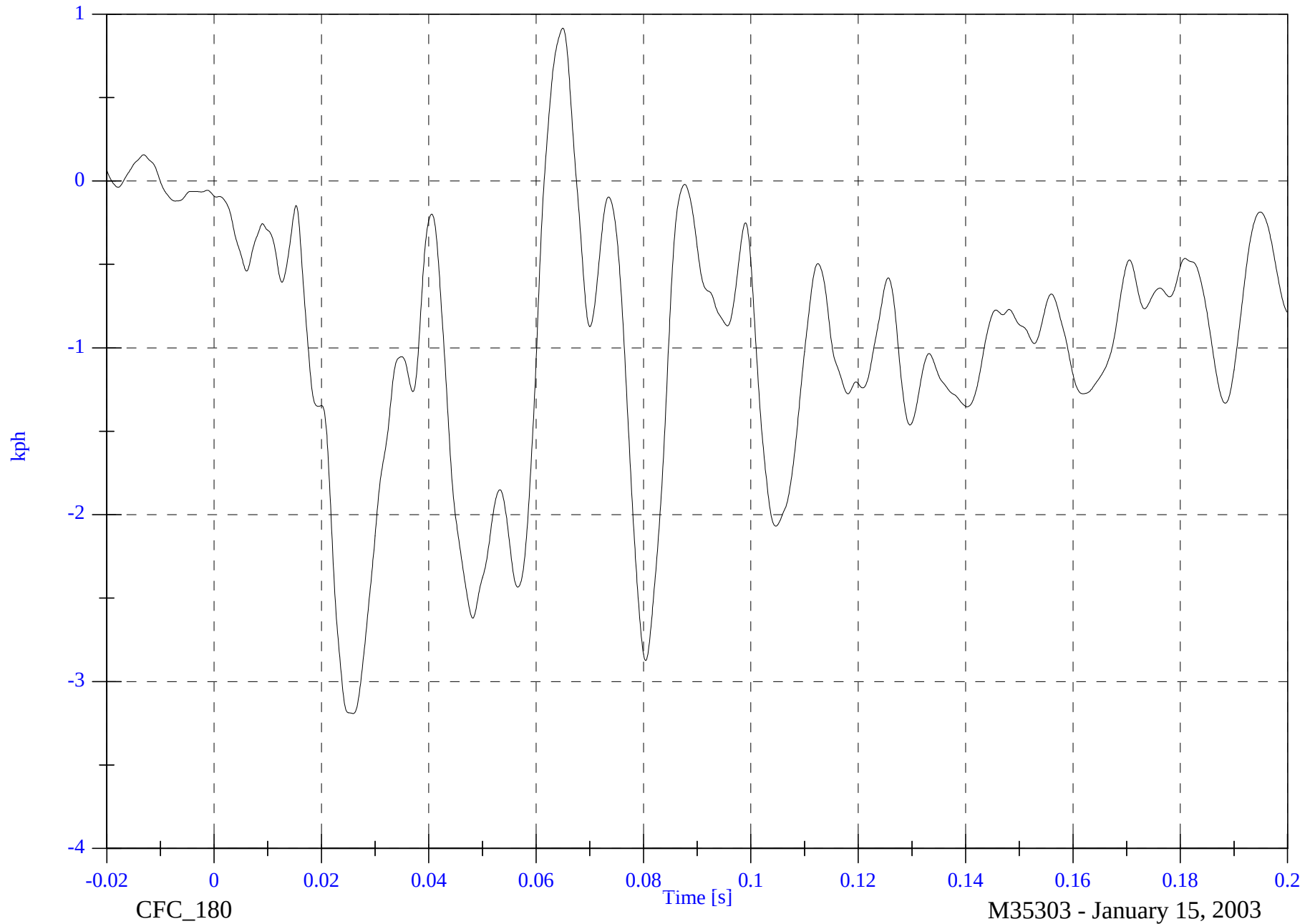
V1 Moving Barrier CG Z Velocity

Max: 0.9 [kph] at 0.065 [s]

Min: -3.2 [kph] at 0.026 [s]

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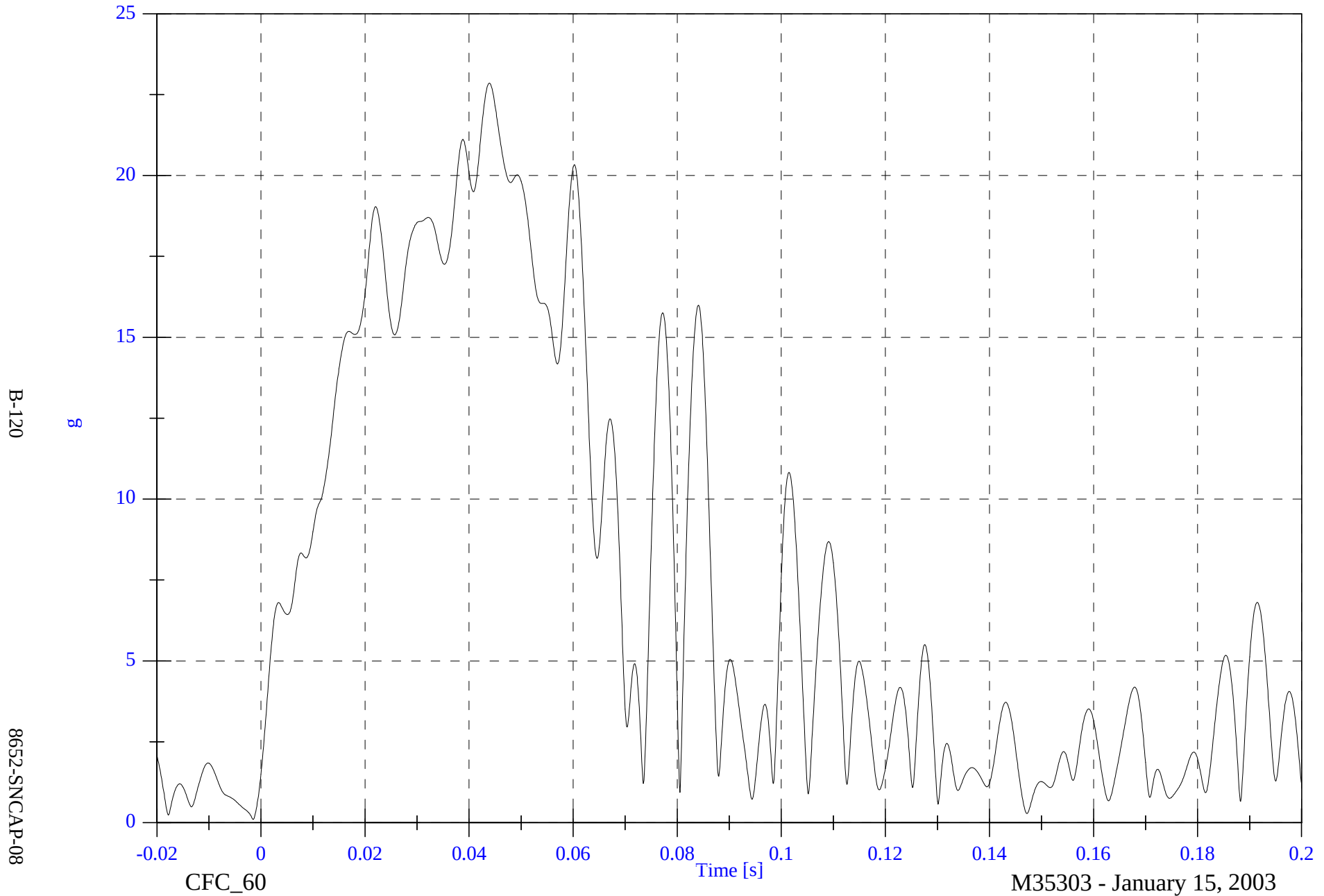


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V1 Moving Barrier CG Resultant

Max: 22.9 [g] at 0.044 [s]

Min: 0.1 [g] at -0.002 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

V1 Moving Barrier Left Rail X

Max: 2.1 [g] at 0.090 [s]

Min: -21.8 [g] at 0.048 [s]

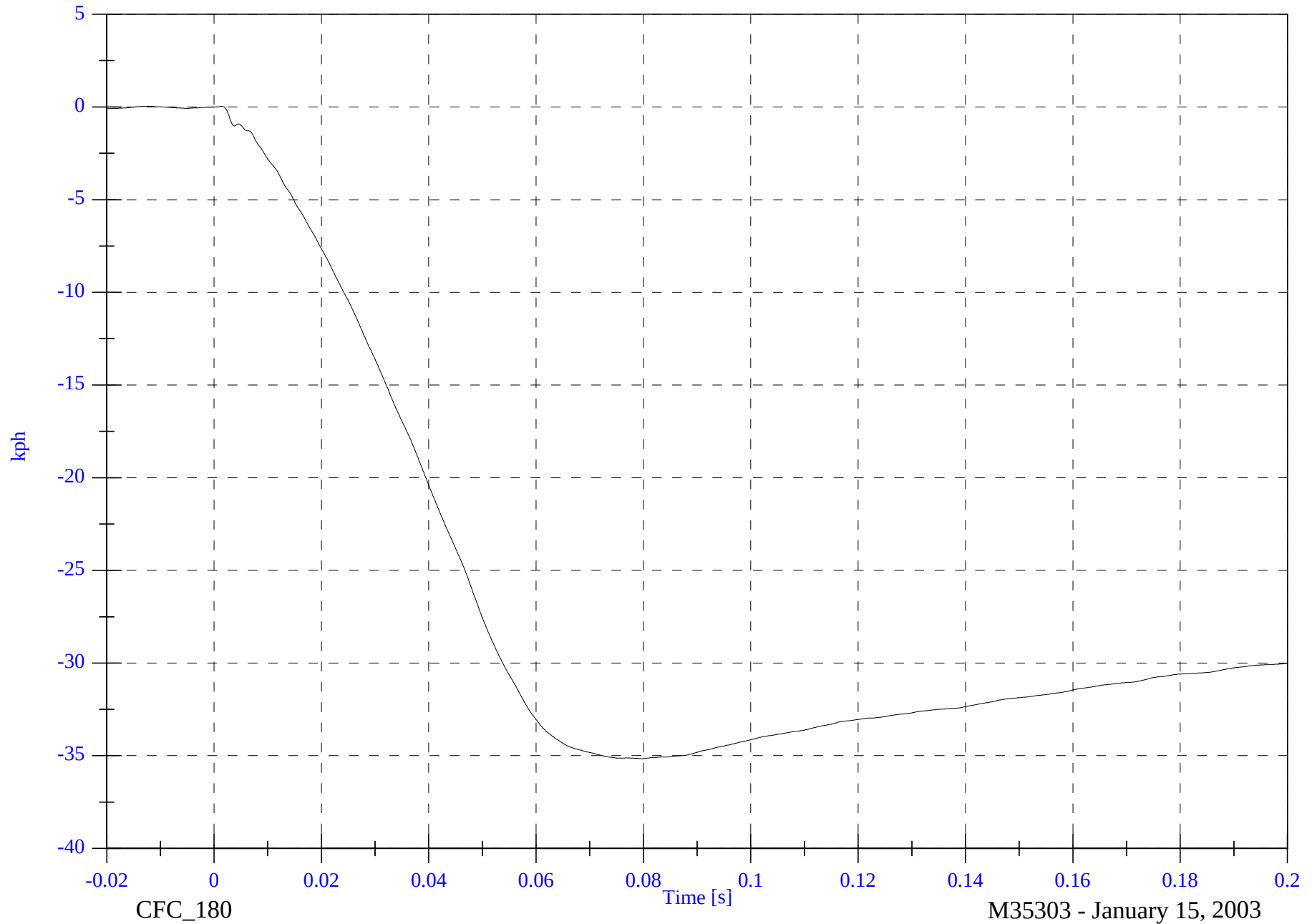


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V1 Moving Barrier Left Rail X Velocity

Max: 0.0 [kph] at -0.013 [s]

Min: -35.2 [kph] at 0.080 [s]



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CFC_180

Time [s]

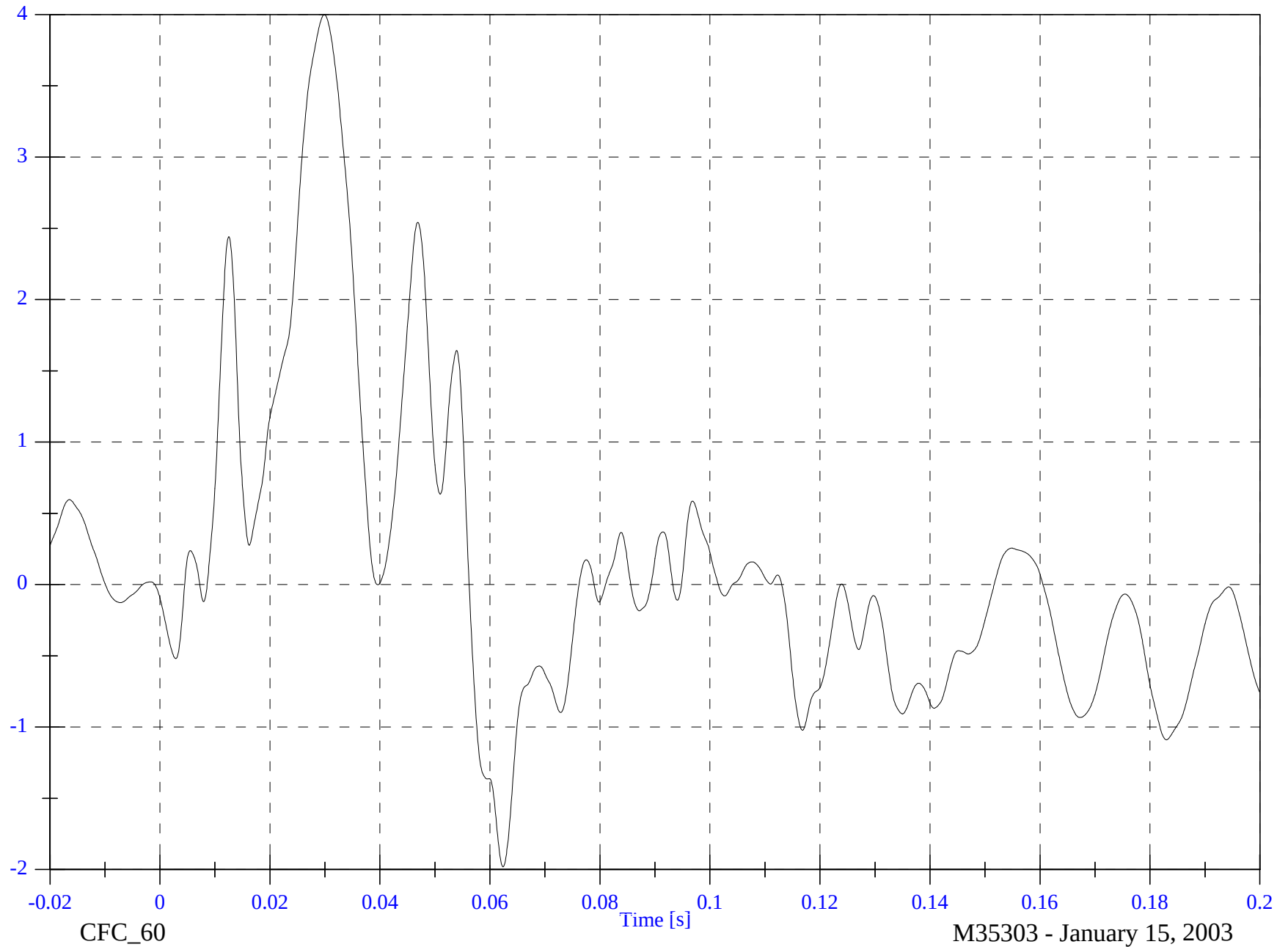
M35303 - January 15, 2003

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V1 Moving Barrier Left Rail Y

Max: 4.0 [g] at 0.030 [s]

Min: -2.0 [g] at 0.062 [s]



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2003 SNCAP Test 3 2003 Honda Accord 2 Door

V1 Moving Barrier Left Rail Y Velocity

Max: 2.7 [kph] at 0.055 [s]

Min: -0.1 [kph] at 0.004 [s]

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2003 SNCAP Test 3 2003 Honda Accord 2 Door

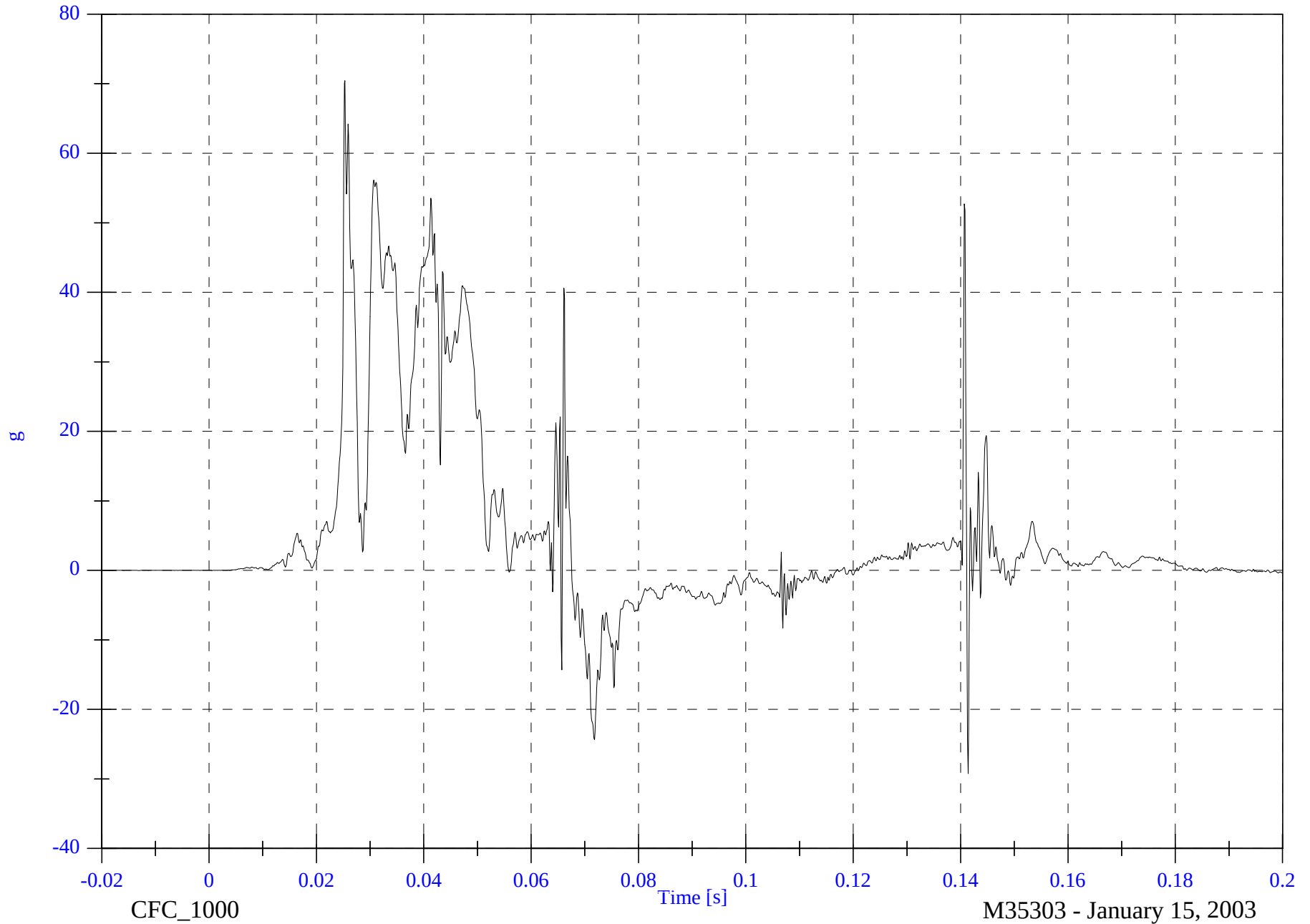
V2P1 Upper Rib Ry

Max: 70.5 [g] at 0.025 [s]

Min: -29.2 [g] at 0.141 [s]

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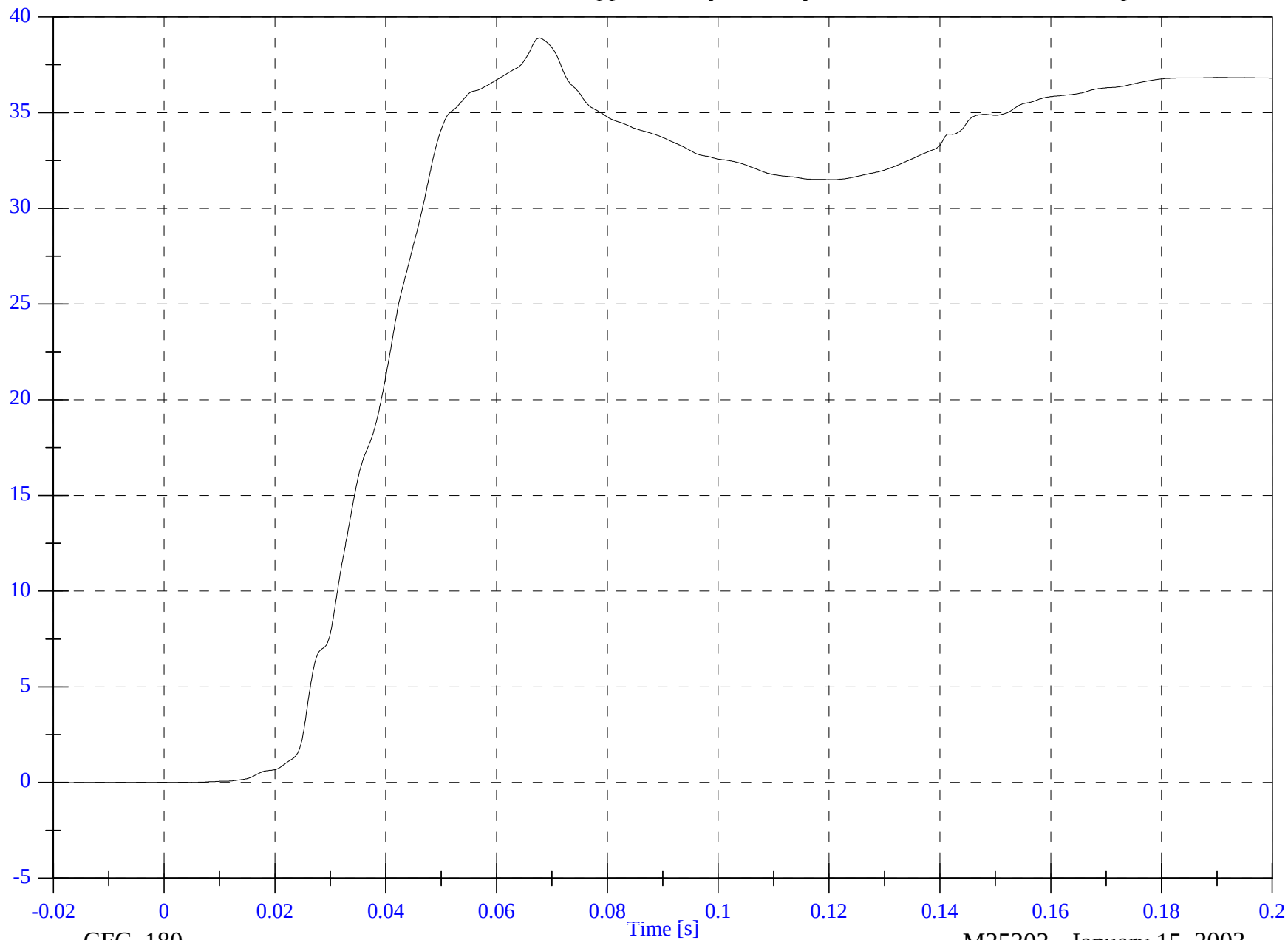


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Upper Rib Ry Velocity

Max: 38.9 [kph] at 0.068 [s]

Min: -0.0 [kph] at -0.020 [s]



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CFC_180

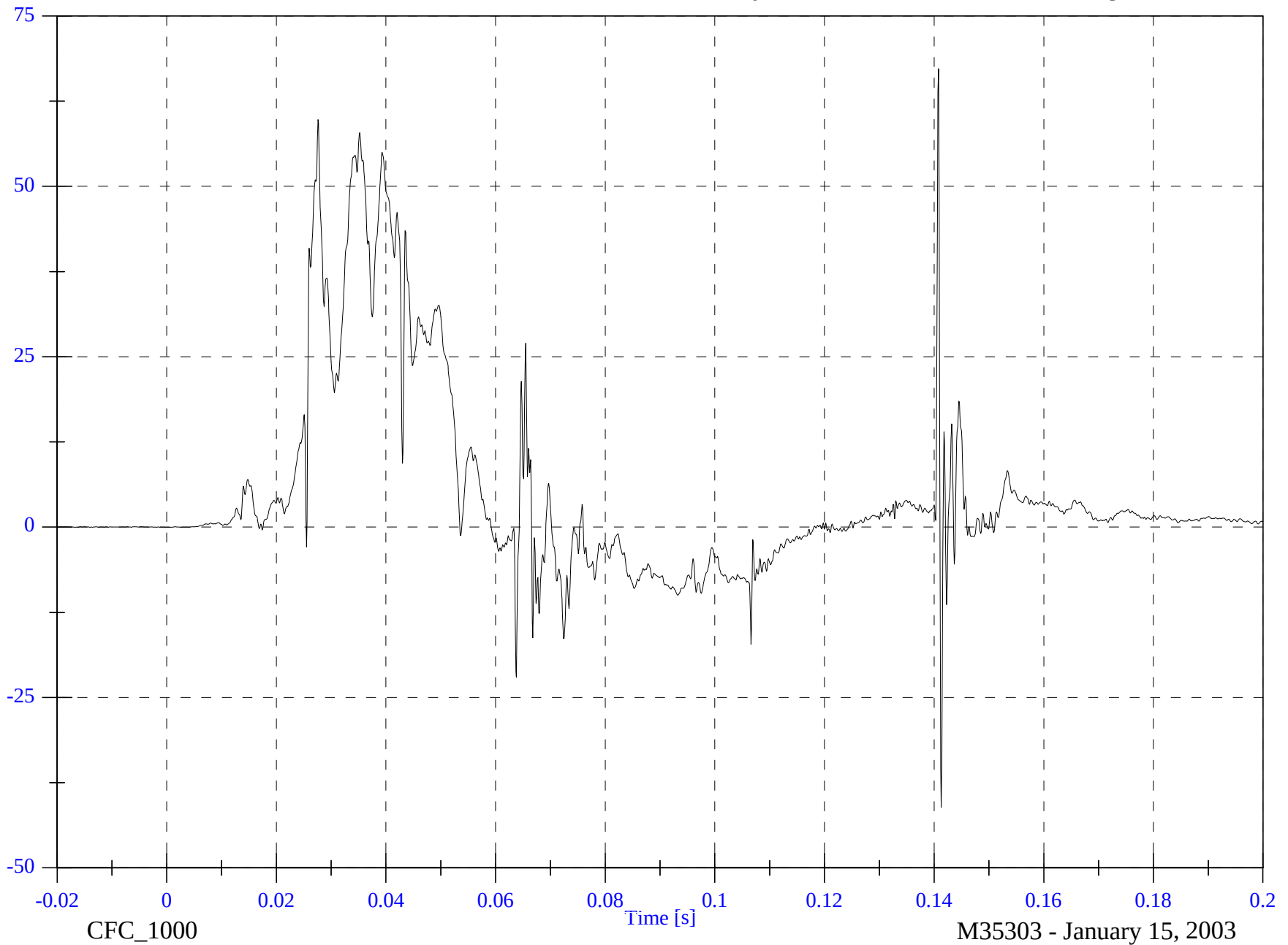
M35303 - January 15, 2003

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Lower Rib Ry

Max: 67.3 [g] at 0.141 [s]

Min: -41.1 [g] at 0.141 [s]



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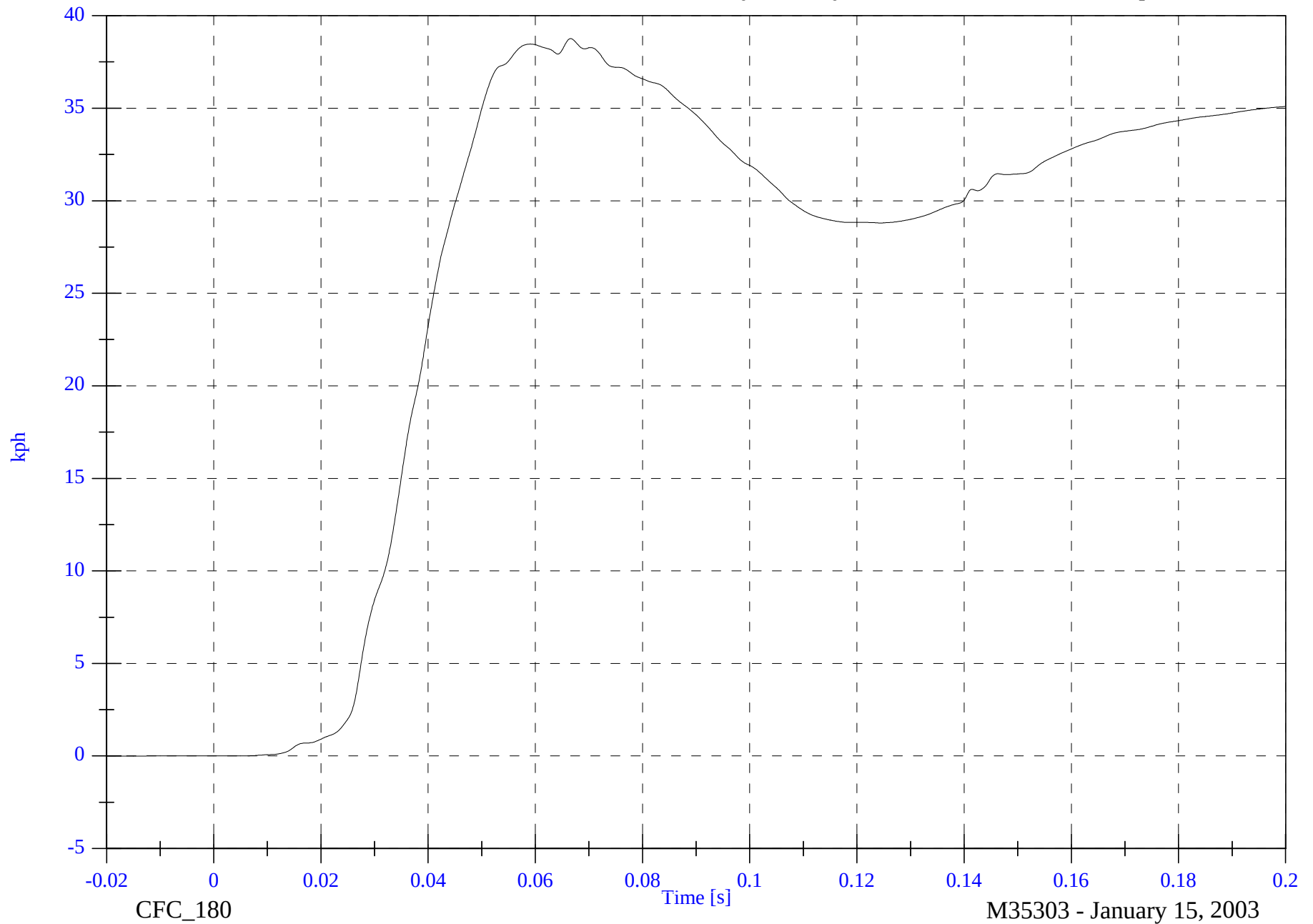
8652-SNCAP-08

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Lower Rib Ry Velocity

Max: 38.8 [kph] at 0.067 [s]

Min: -0.0 [kph] at -0.019 [s]



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2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Lower Spine Ry

Max: 61.4 [g] at 0.035 [s]

Min: -14.5 [g] at 0.064 [s]

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2003 SNCAP Test 3 2003 Honda Accord 2 Door

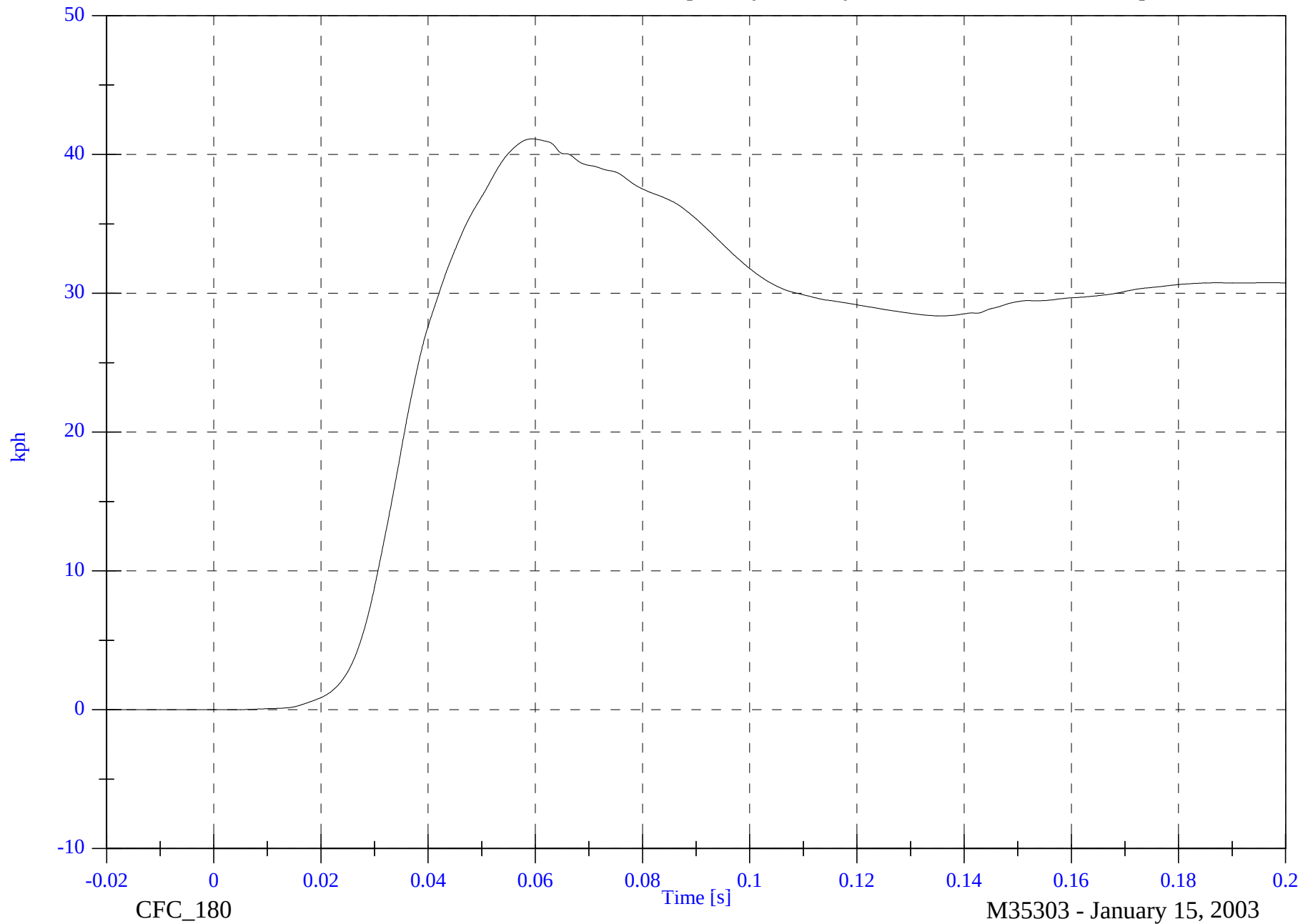
V2P1 Lower Spine Ry Velocity

Max: 41.1 [kph] at 0.059 [s]

Min: -0.0 [kph] at -0.020 [s]

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2003 SNCAP Test 3 2003 Honda Accord 2 Door

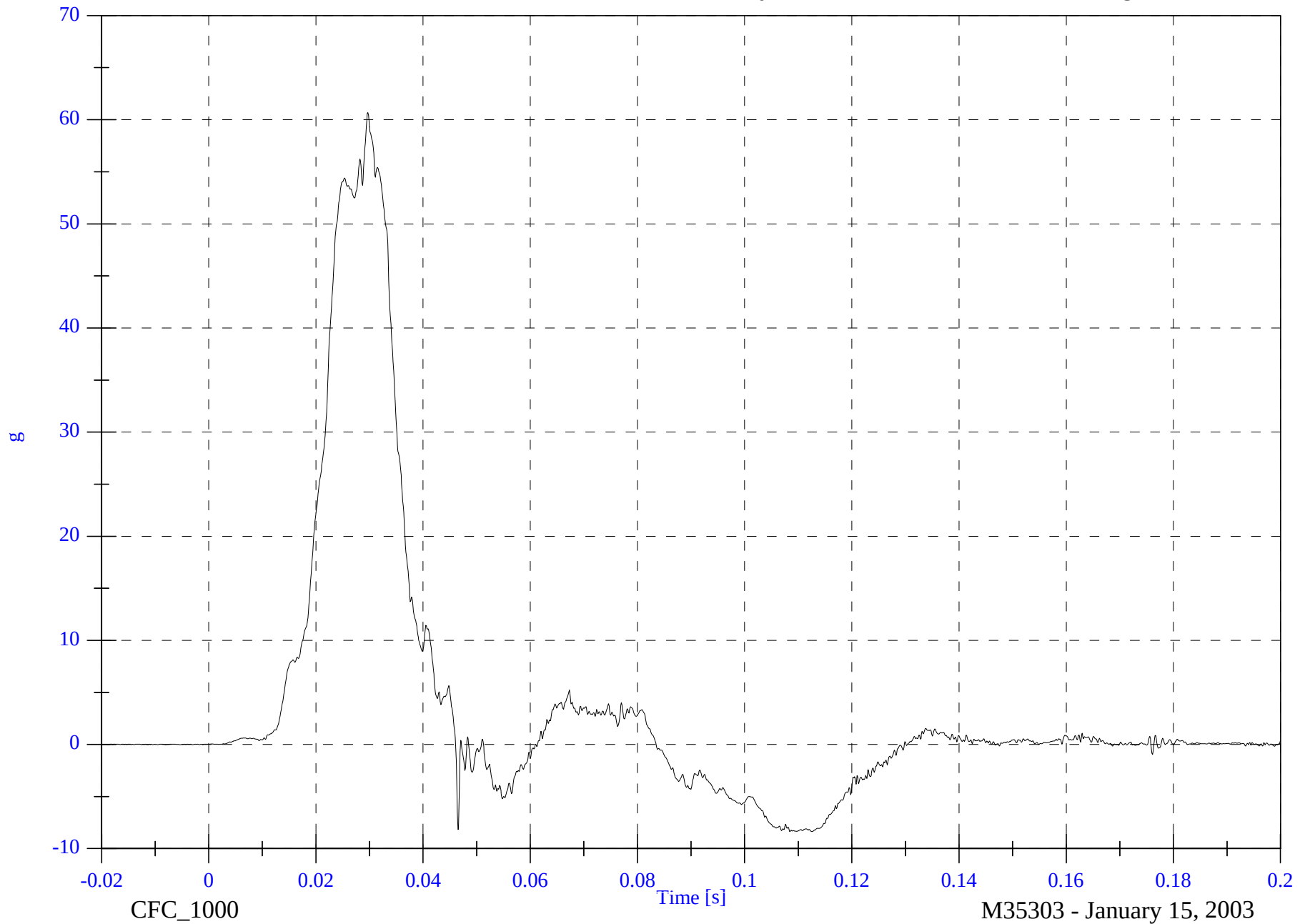
V2P1 Pelvic Ry

Max: 60.7 [g] at 0.030 [s]

Min: -8.4 [g] at 0.113 [s]

B-131

8652-SNCAP-08

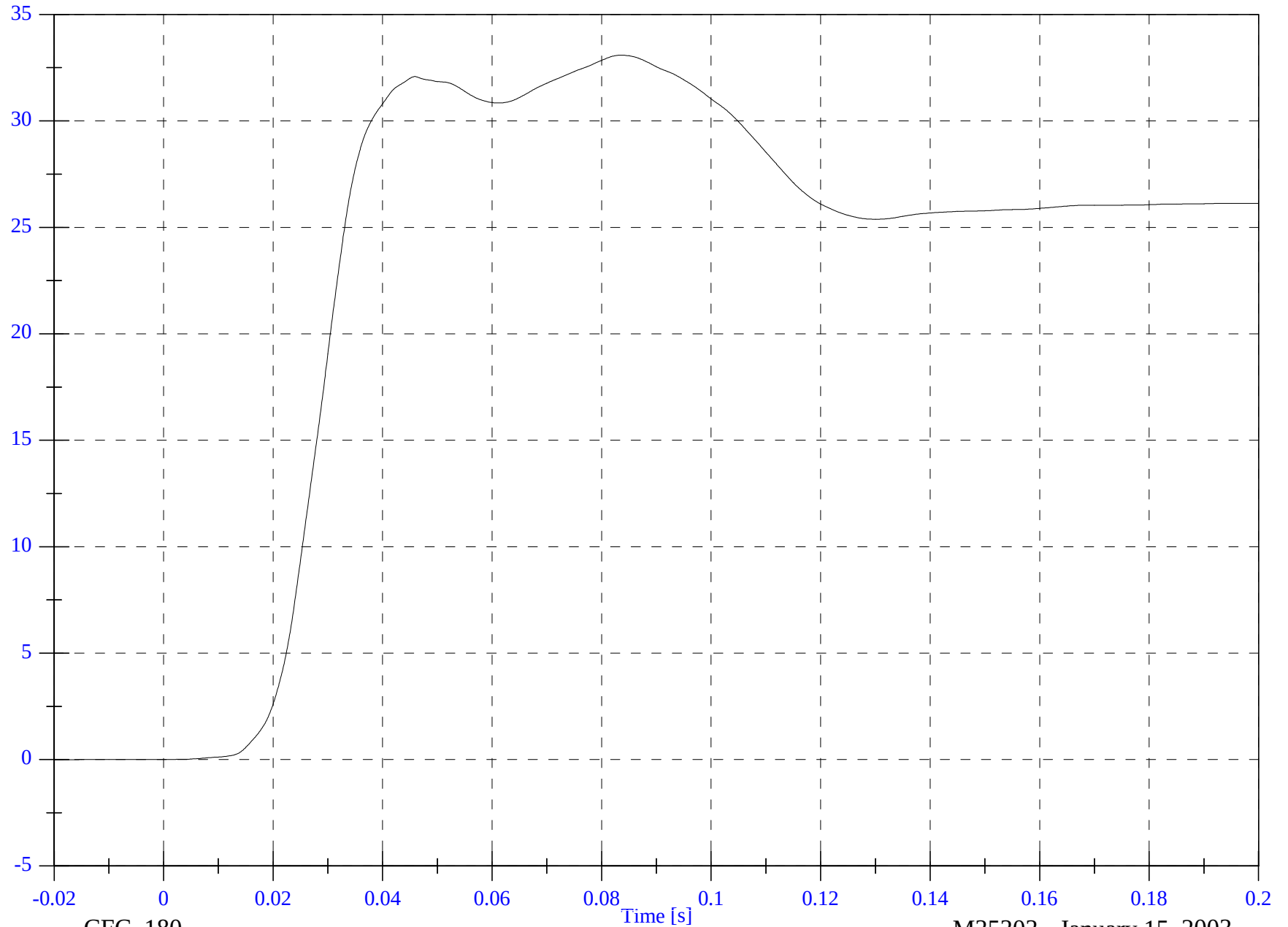


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P1 Pelvic Ry Velocity

Max: 33.1 [kph] at 0.083 [s]

Min: -0.0 [kph] at -0.020 [s]



B-132

8652-SNCAP-08

CFC_180

M35303 - January 15, 2003

2003 SNCAP Test 3 2003 Honda Accord 2 Door

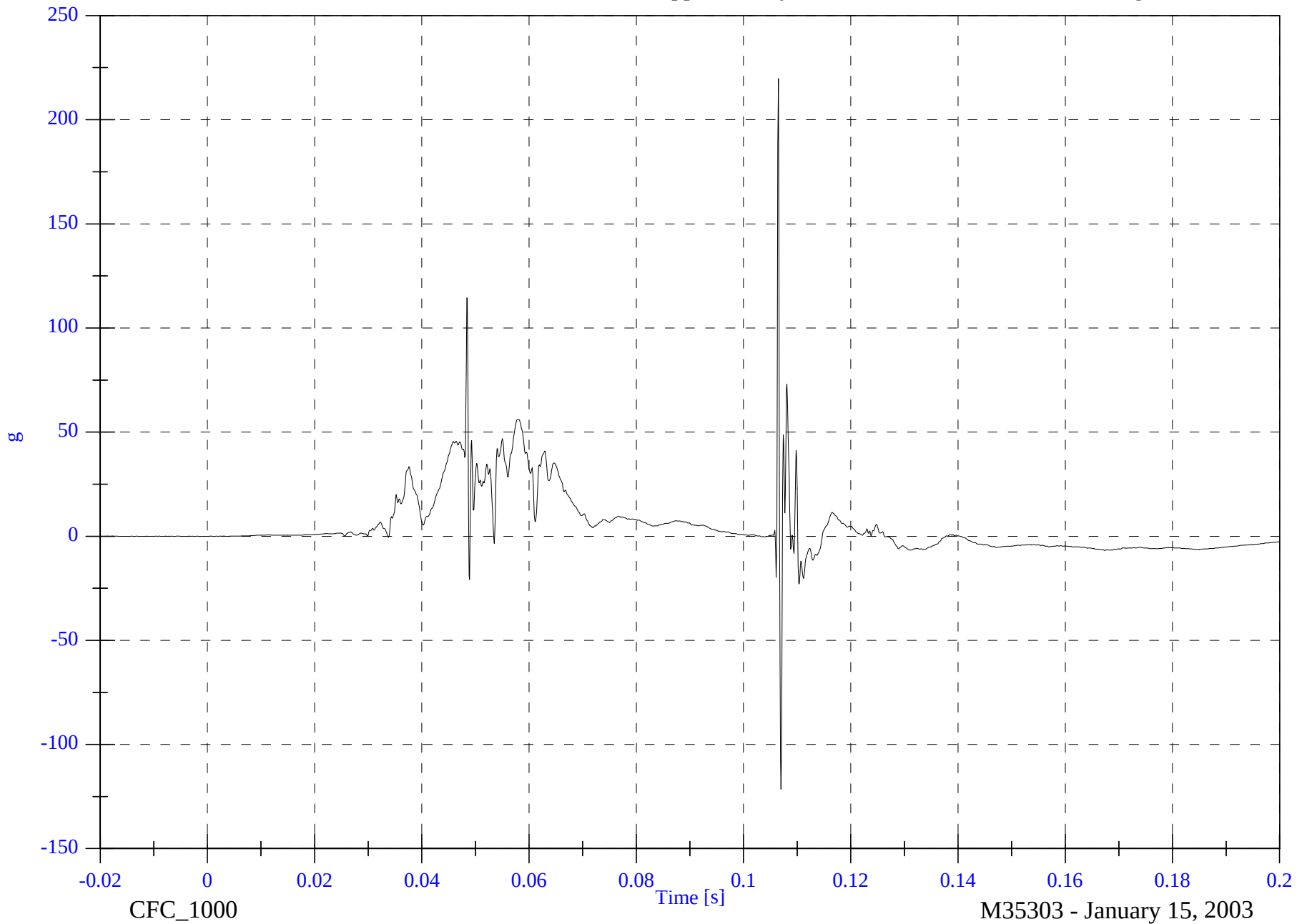
V2P4 Upper Rib Ry

Max: 219.7 [g] at 0.106 [s]

Min: -121.5 [g] at 0.107 [s]

B-133

8652-SNCAP-08

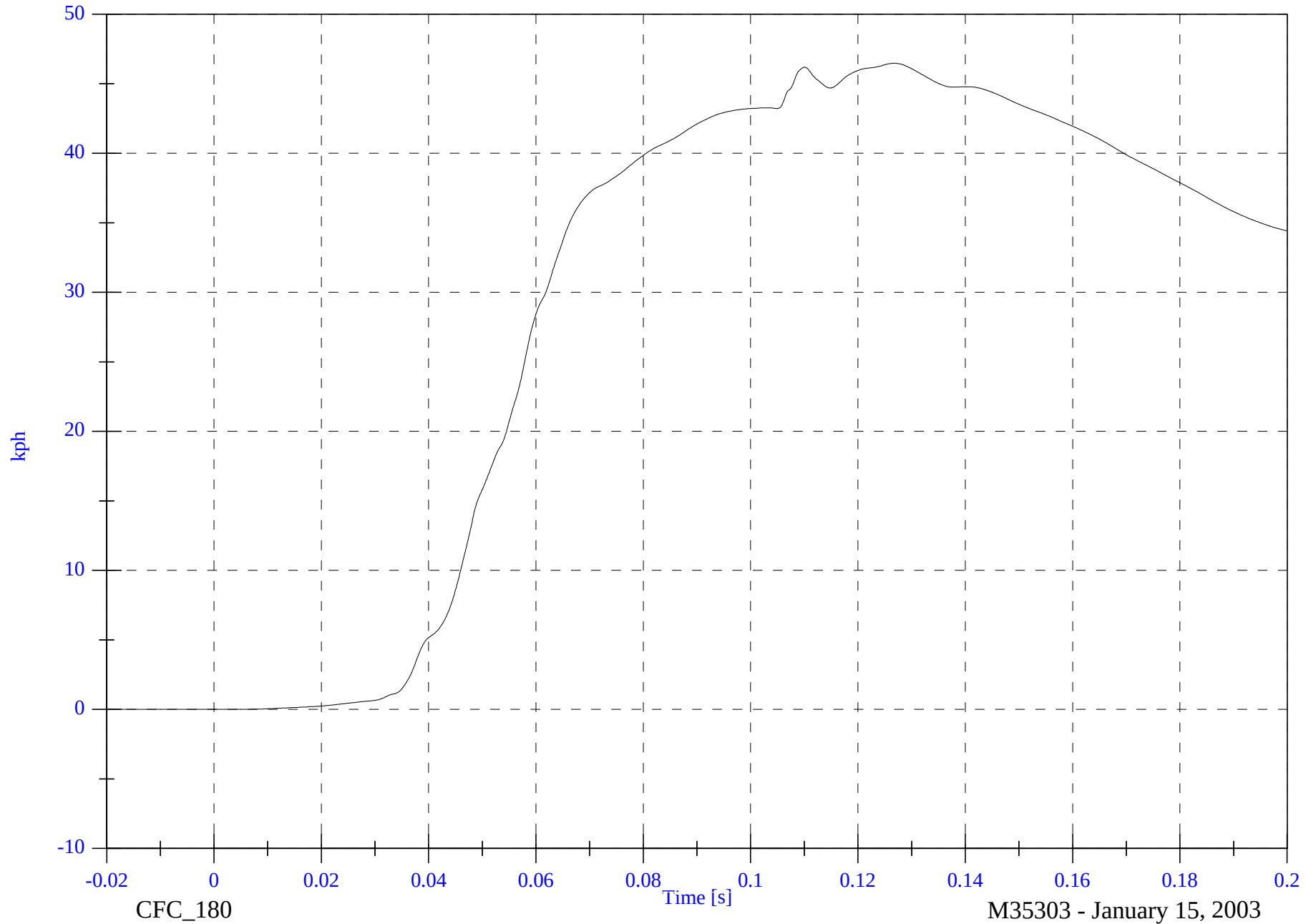


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Rib Ry Velocity

Max: 46.5 [kph] at 0.127 [s]

Min: -0.0 [kph] at -0.020 [s]



B-134

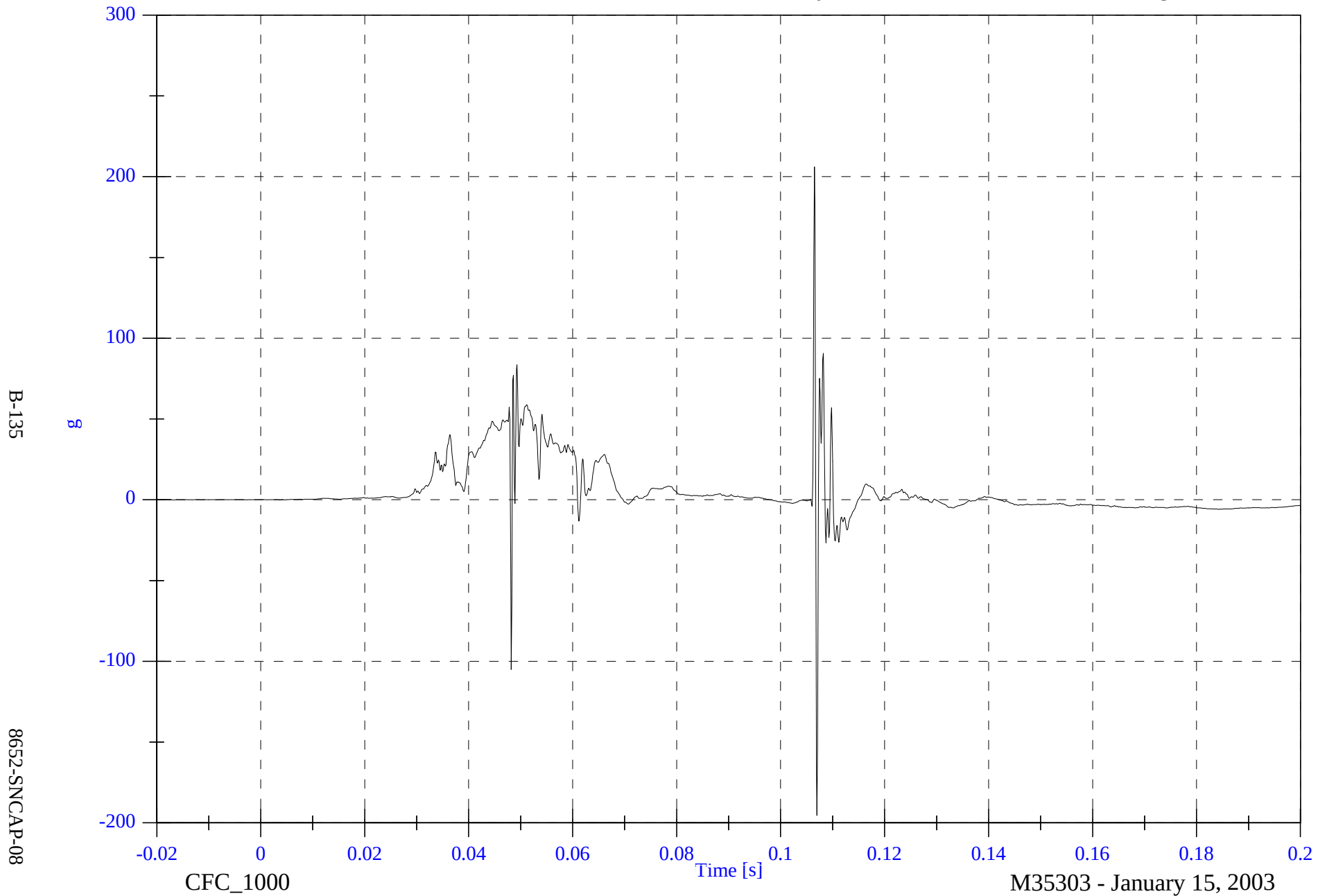
8652-SNCAP-08

2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Rib Ry

Max: 206.1 [g] at 0.106 [s]

Min: -195.3 [g] at 0.107 [s]

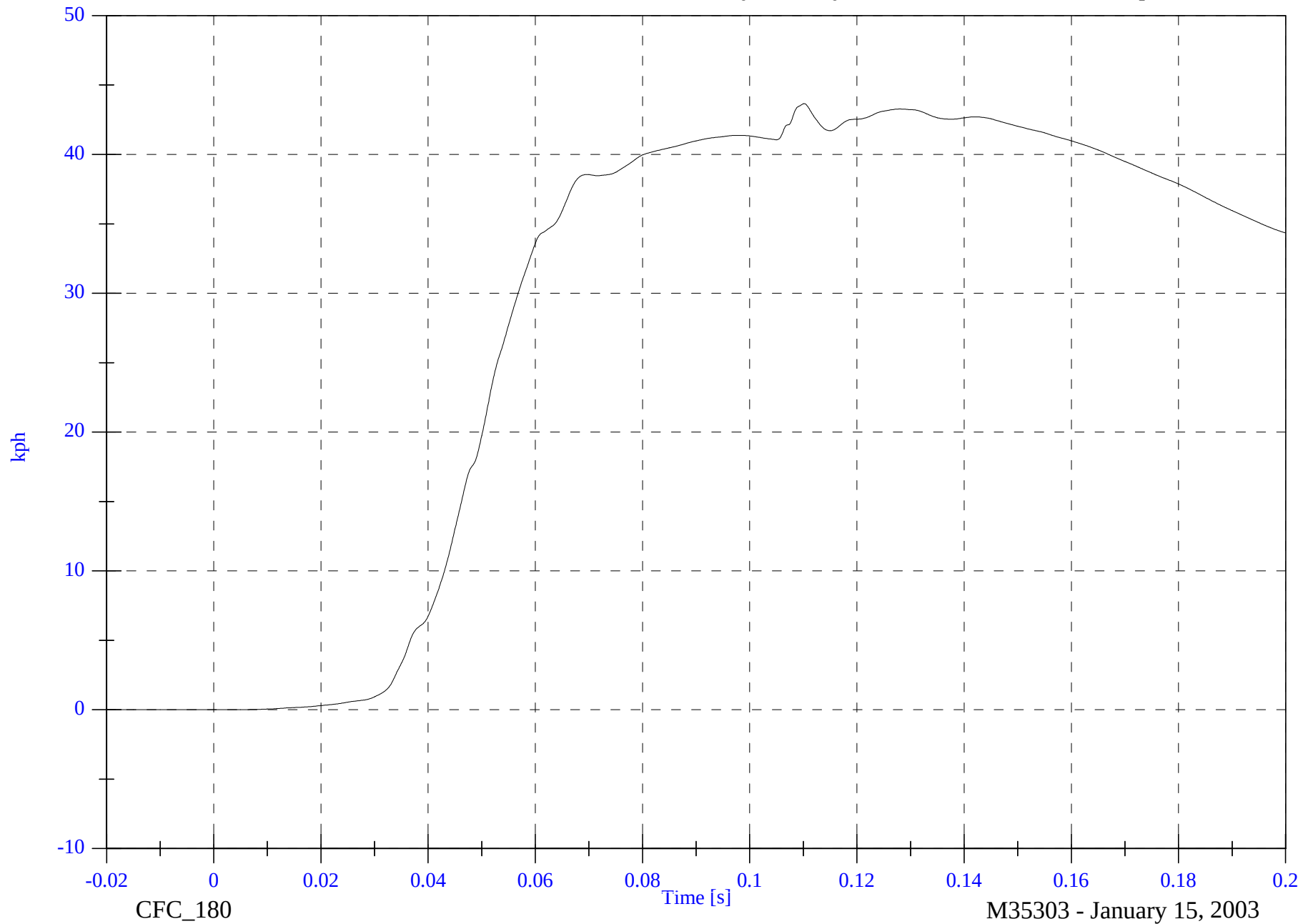


2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Rib Ry Velocity

Max: 43.7 [kph] at 0.110 [s]

Min: -0.0 [kph] at -0.020 [s]



B-136

8652-SNCAP-08

CFC_180

M35303 - January 15, 2003

2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Spine Ry

Max: 56.1 [g] at 0.050 [s]

Min: -10.2 [g] at 0.078 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

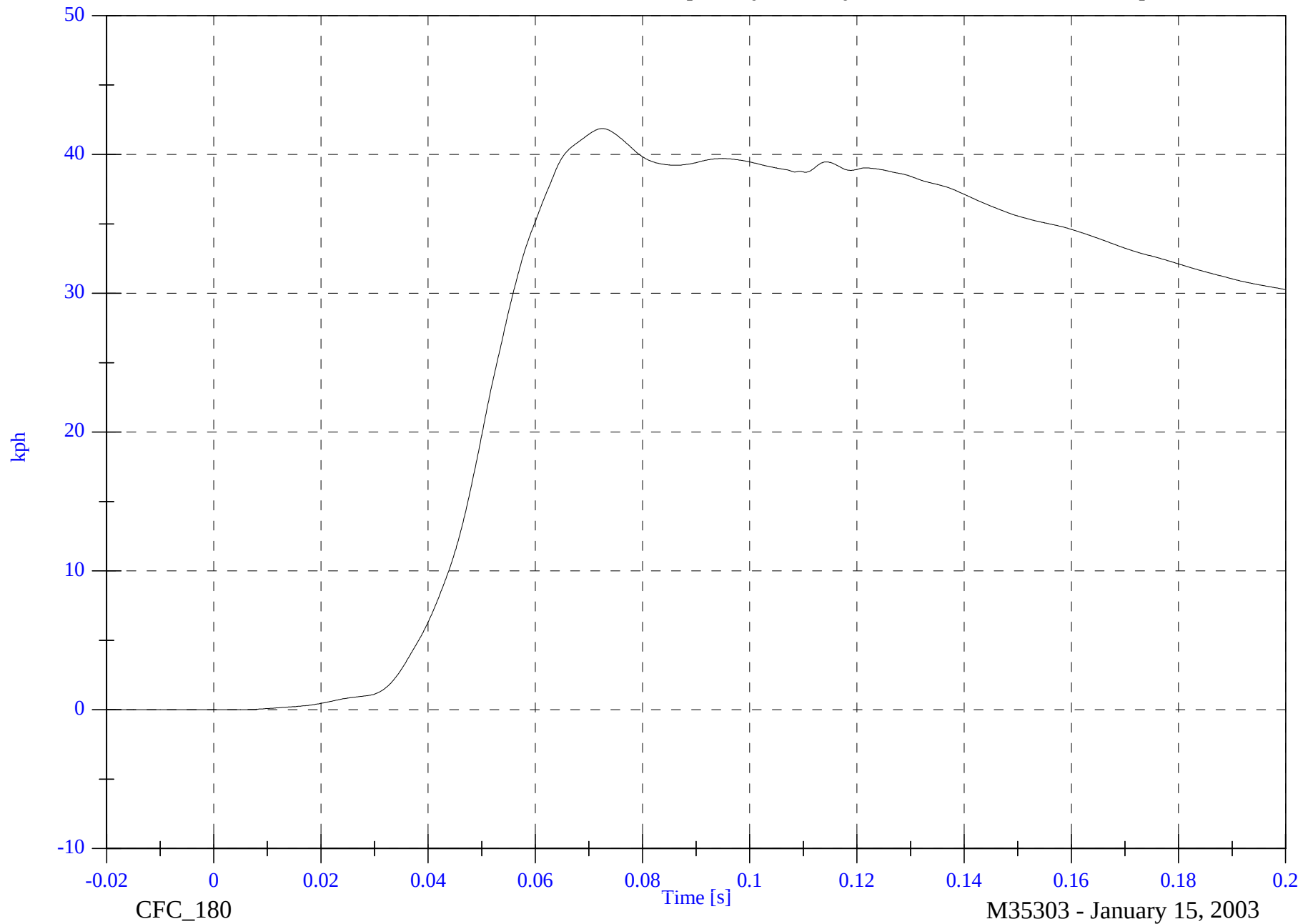
V2P4 Lower Spine Ry Velocity

Max: 41.9 [kph] at 0.072 [s]

Min: -0.0 [kph] at -0.019 [s]

B-138

8652-SENCAP-08



2003 SNCAP Test 3 2003 Honda Accord 2 Door

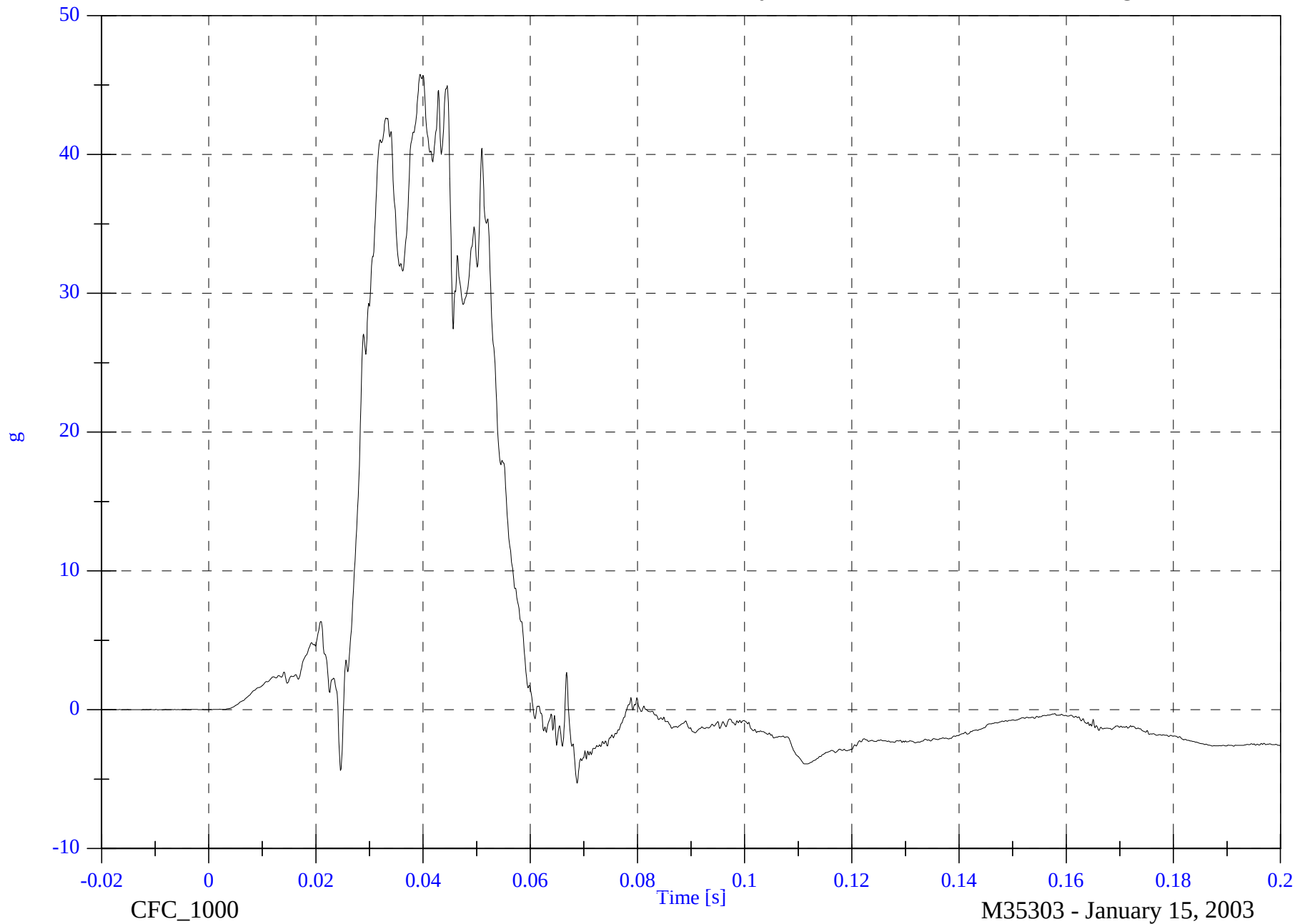
V2P4 Pelvic Ry

Max: 45.8 [g] at 0.039 [s]

Min: -5.3 [g] at 0.069 [s]

B-139

8652-SNCAP-08



2003 SNCAP Test 3 2003 Honda Accord 2 Door

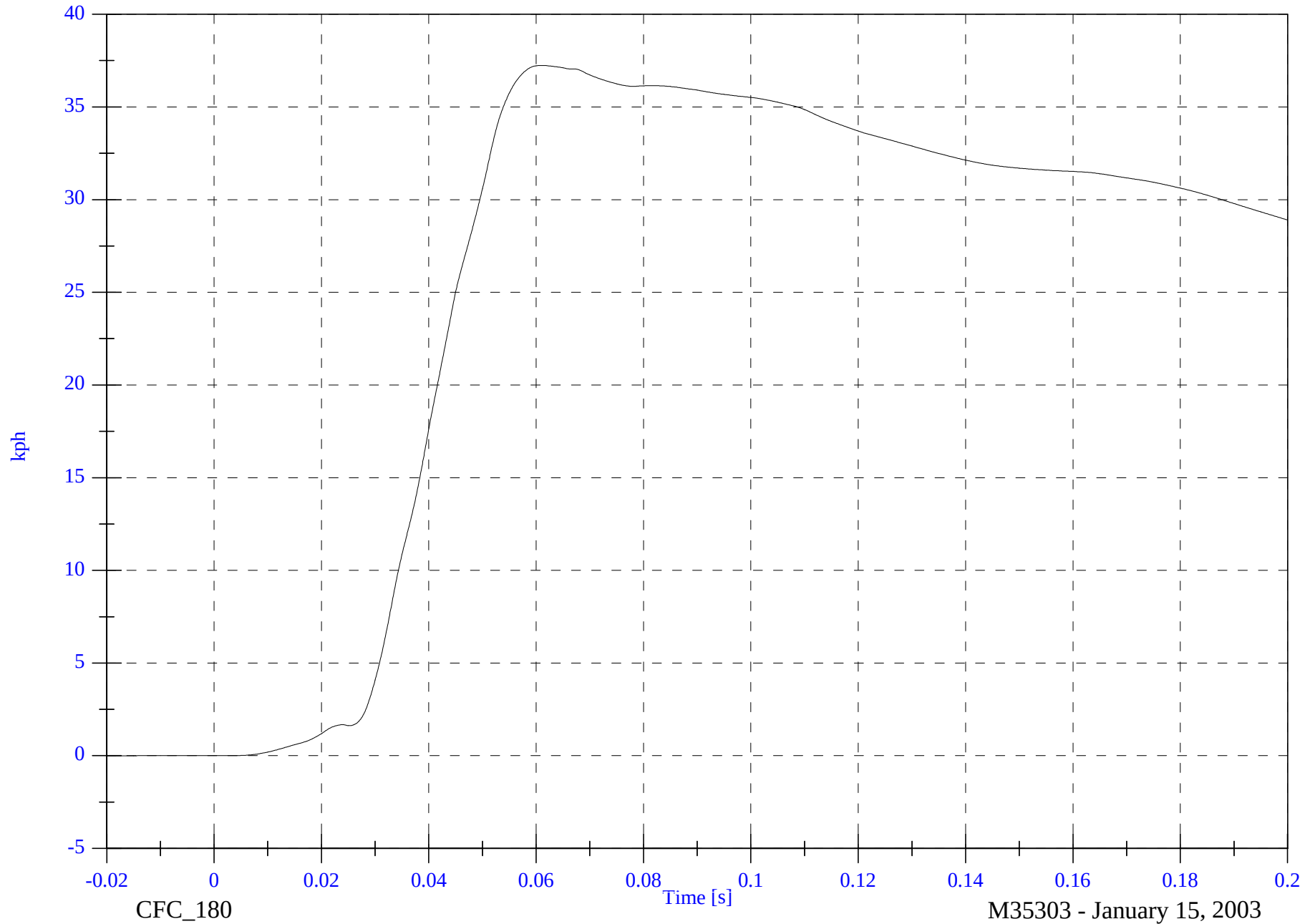
V2P4 Pelvic Ry Velocity

Max: 37.2 [kph] at 0.061 [s]

Min: -0.0 [kph] at -0.020 [s]

B-140

8652-SNCAP-08



2003 SNCAP Test 3 2003 Honda Accord 2 Door

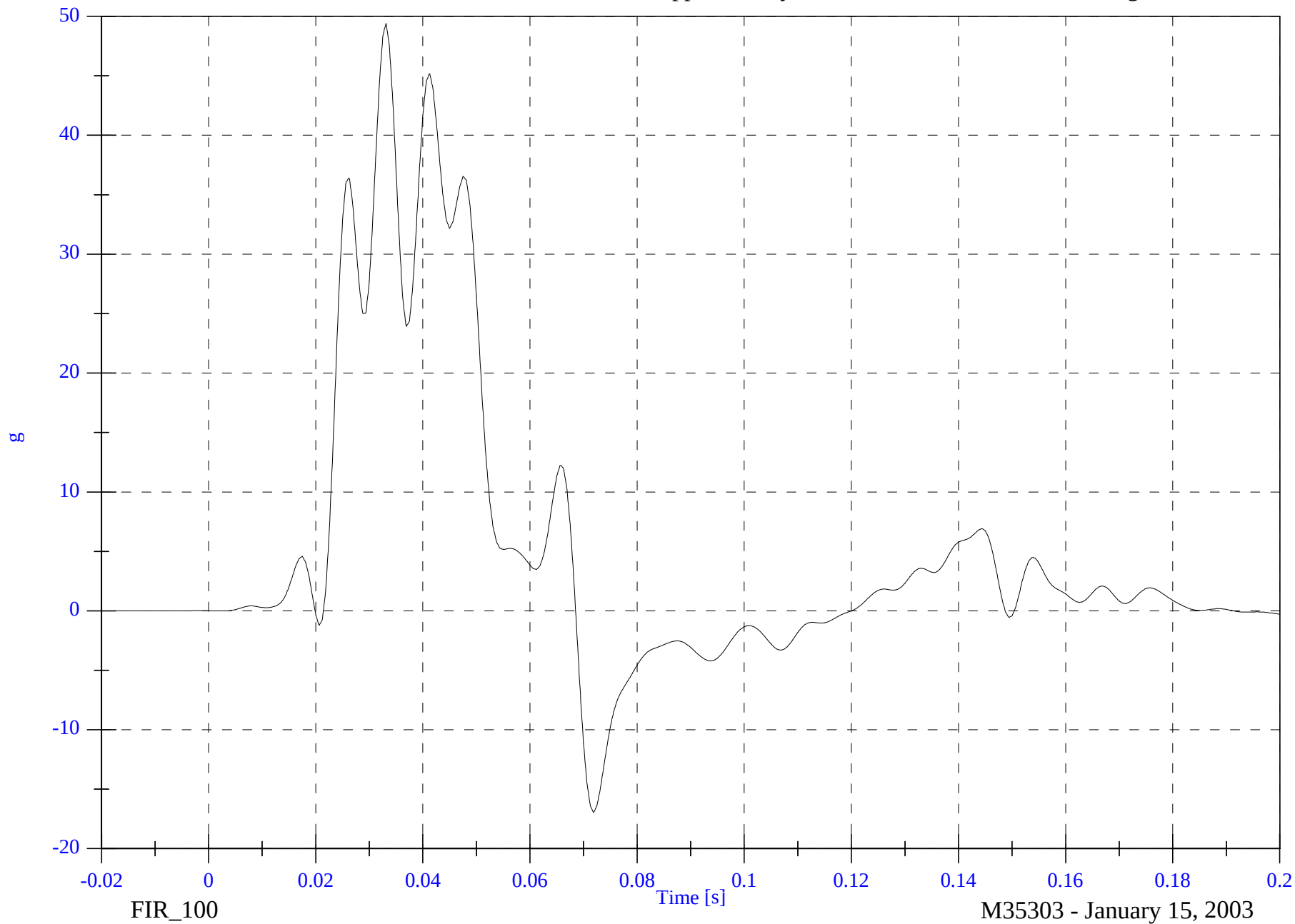
V2P1 Upper Rib Ry

Max: 49.4 [g] at 0.033 [s]

Min: -17.0 [g] at 0.072 [s]

B-141

8652-SNCAP-08



2003 SENCAP Test 3 2003 Honda Accord 2 Door

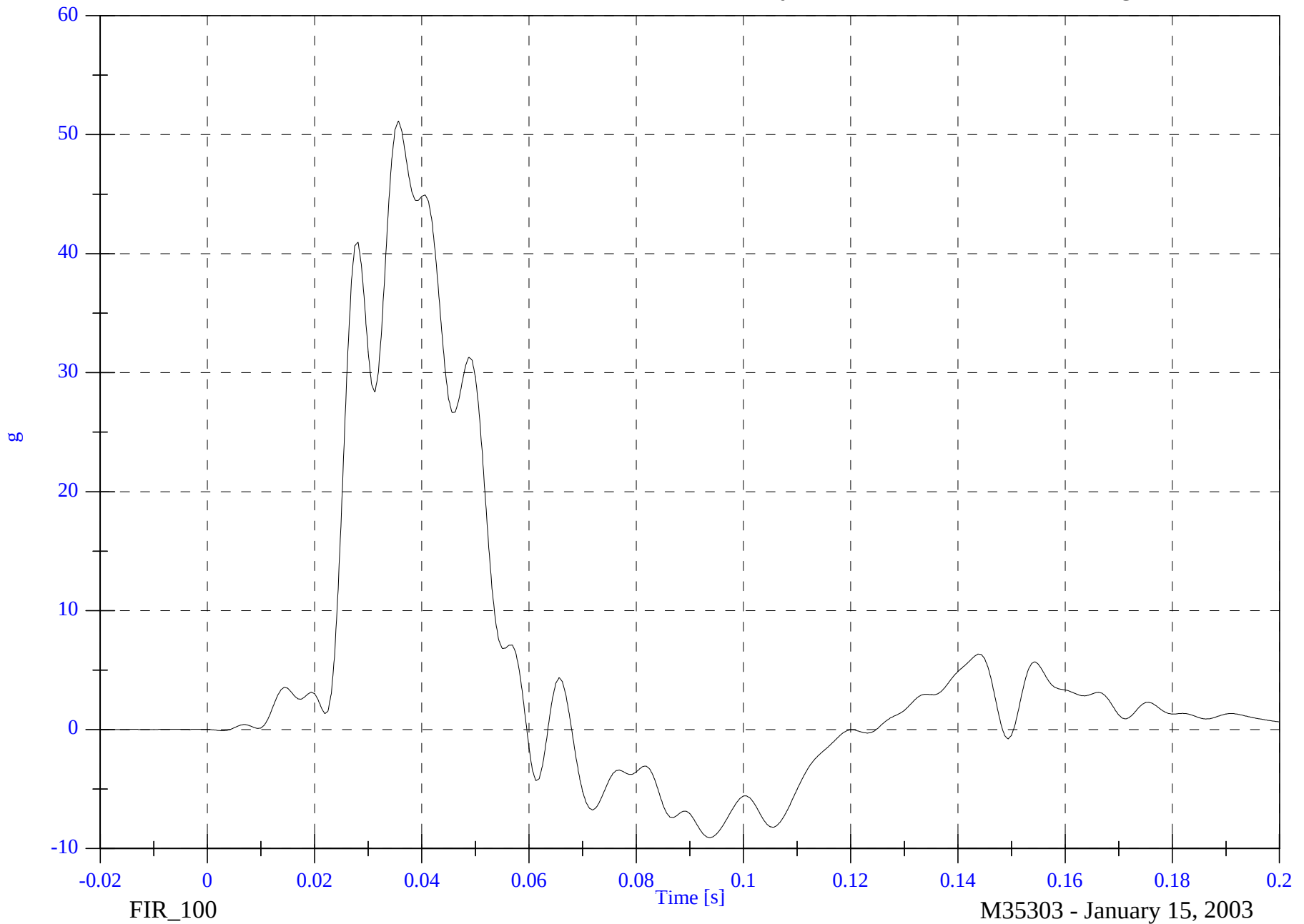
V2P1 Lower Rib Ry

Max: 51.1 [g] at 0.036 [s]

Min: -9.1 [g] at 0.094 [s]

B-142

8652-SENCAP-08



2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P1 Lower Spine Ry

Max: 59.6 [g] at 0.035 [s]

Min: -10.7 [g] at 0.094 [s]

B-143

8652-SENCAP-08



2003 SNCAP Test 3 2003 Honda Accord 2 Door

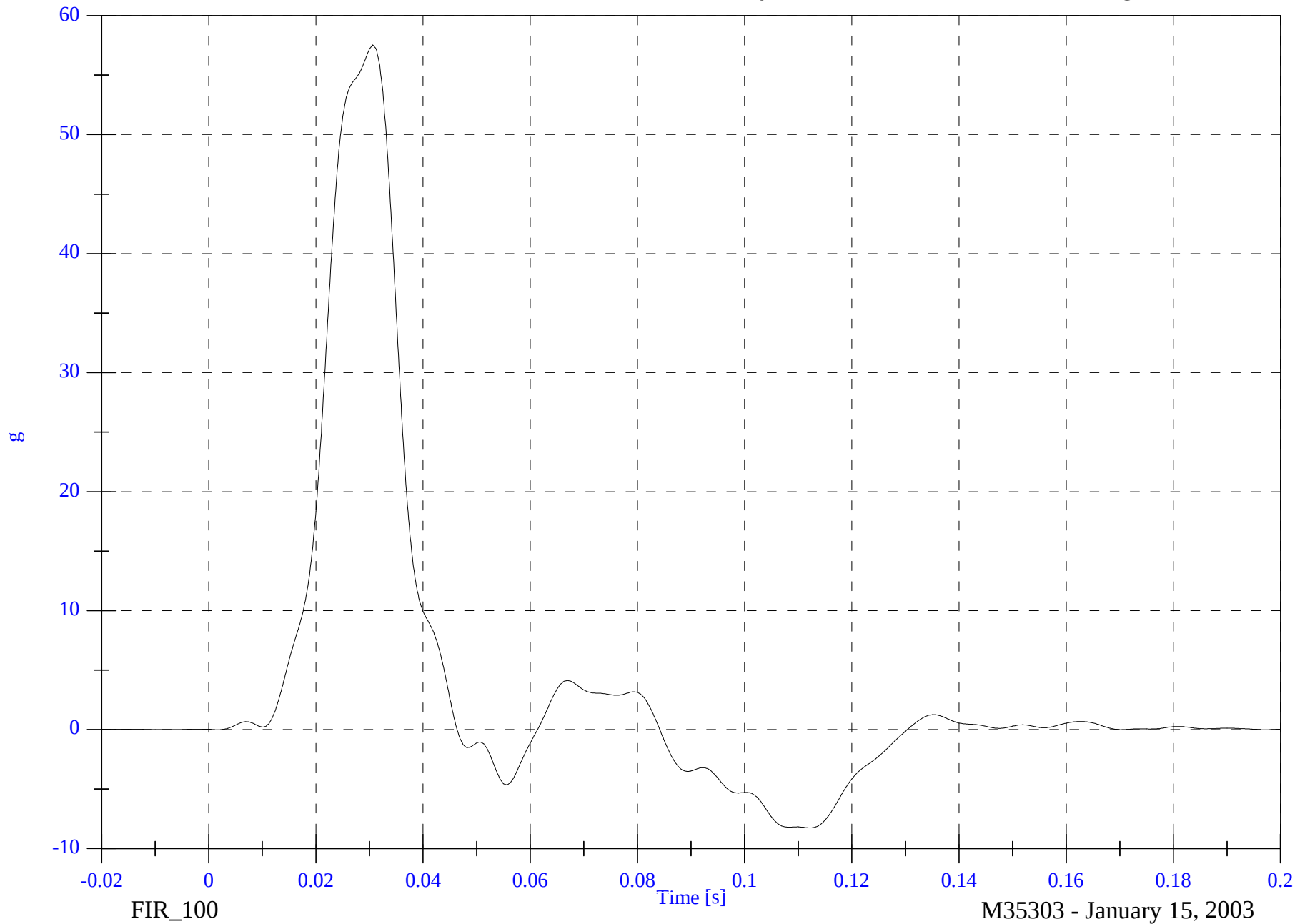
V2P1 Pelvic Ry

Max: 57.5 [g] at 0.031 [s]

Min: -8.3 [g] at 0.112 [s]

B-144

8652-SNCAP-08

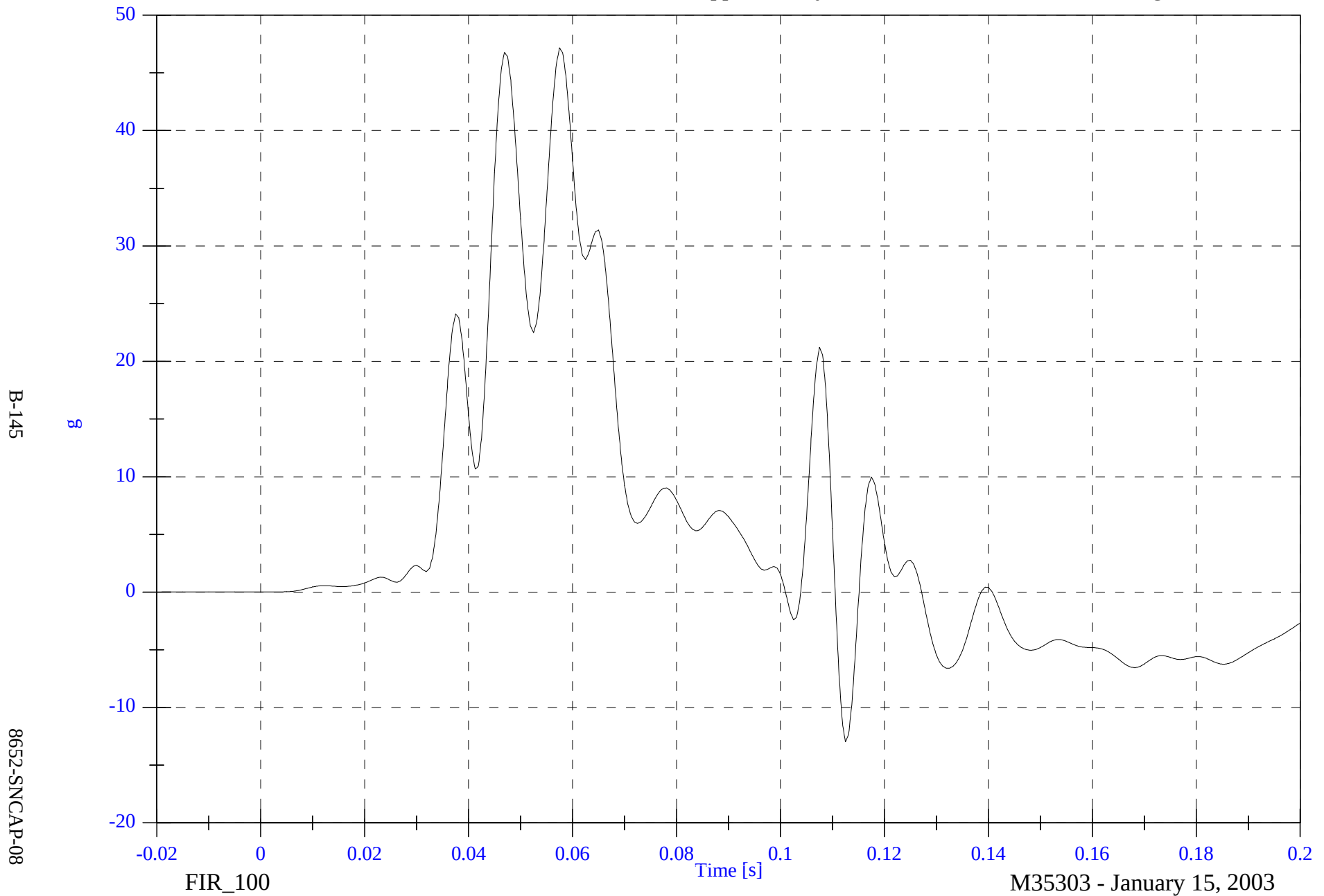


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P4 Upper Rib Ry

Max: 47.2 [g] at 0.057 [s]

Min: -13.0 [g] at 0.112 [s]

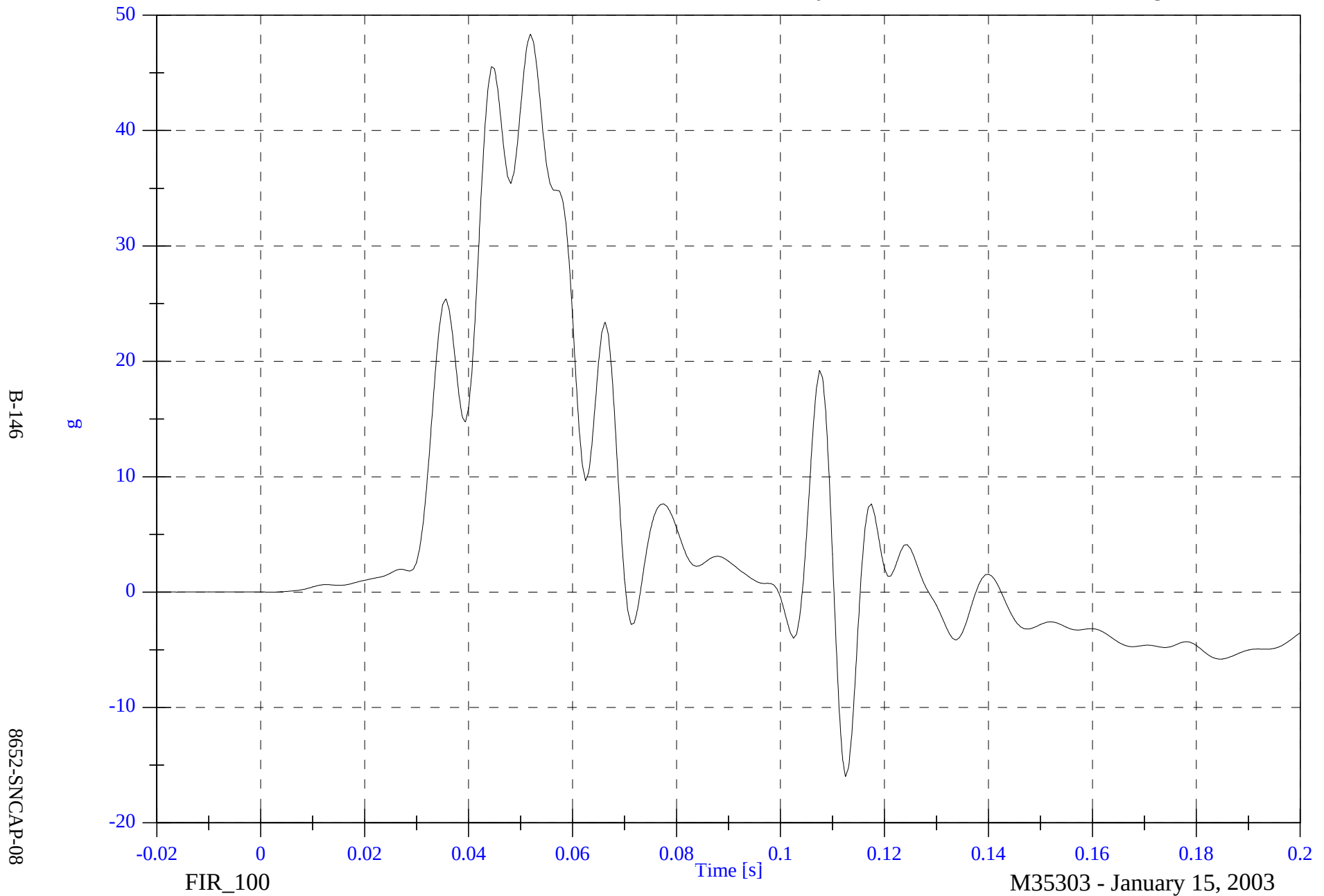


2003 SENCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Rib Ry

Max: 48.3 [g] at 0.052 [s]

Min: -16.0 [g] at 0.112 [s]



2003 SNCAP Test 3 2003 Honda Accord 2 Door

V2P4 Lower Spine Ry

Max: 54.0 [g] at 0.050 [s]

Min: -10.3 [g] at 0.077 [s]



2003 SENCAP Test 3 2003 Honda Accord 2 Door

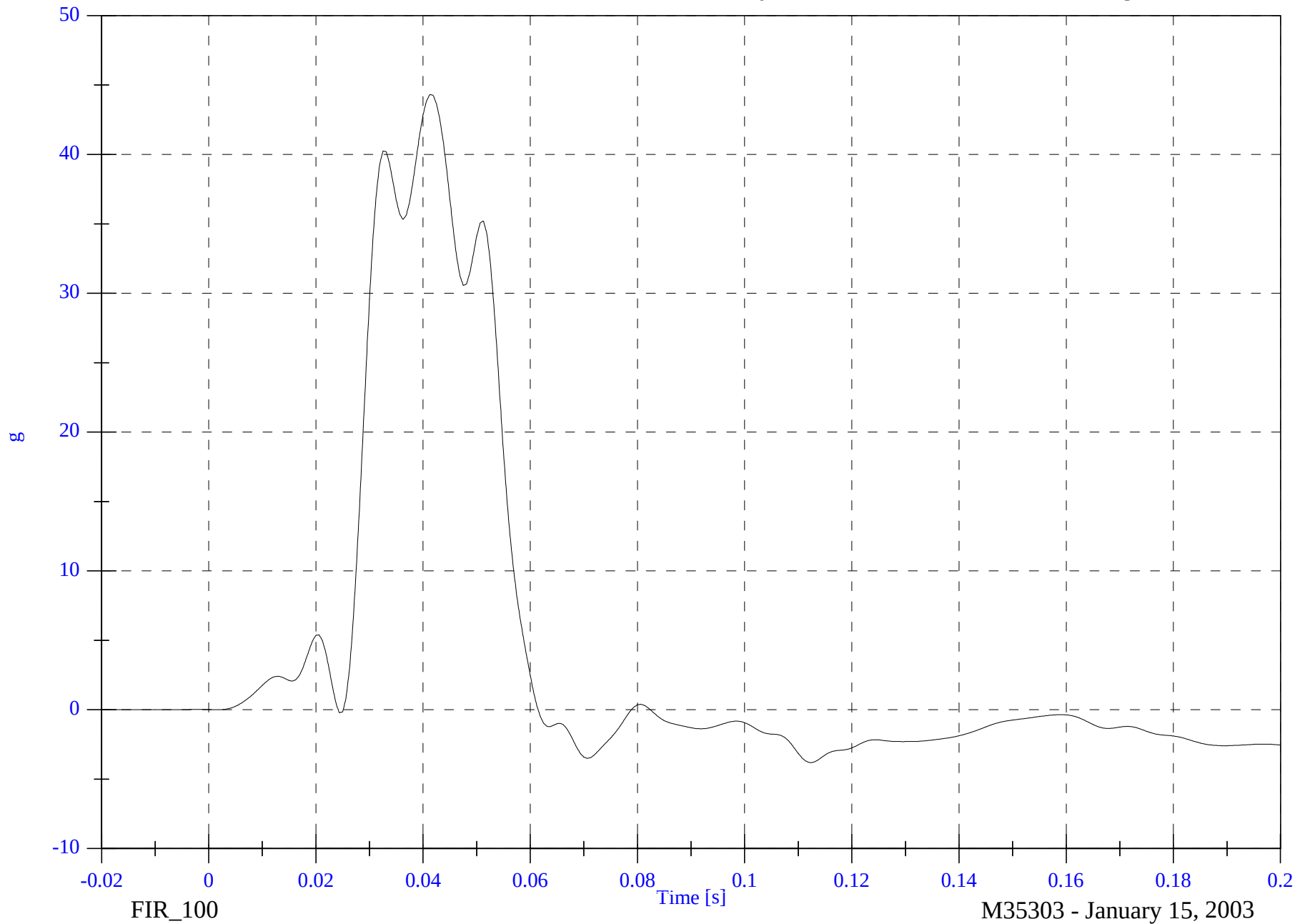
V2P4 Pelvic Ry

Max: 44.3 [g] at 0.041 [s]

Min: -3.8 [g] at 0.112 [s]

B-148

8652-SENCAP-08



APPENDIX C

SID HYBRID III CONFIGURATION AND PERFORMANCE VERIFICATION DATA

SUMMARY
SID H3 PRE & POST TEST CALIBRATION
CONFIGURED FOR LEFT SIDE IMPACT

Date: January 2, 2003, January 13, 2003;
February 4, 2003

Sequential Test Number:

4, 3; 1, 1

Laboratory Technician:

B. Swiecicki

TEST PARAMETER	SPECIFICATION	SID H3 015 NO.:		SID H3 016 NO.:	
		PRE TEST	POST TEST	PRE TEST	POST TEST
SH- Seated Height (mm)	889 - 909	902	902	902	902
RH- Rib Height (mm)	501 - 521	511	508	511	513
HP- Hip Pivot Height (mm)	99 ref.	99	99	99	99
RD- Rib from Back Line (mm)	229 - 241	236	236	239	236
KV- Knee Pivot from Back Line (mm)	511 - 526	521	521	526	521
SW- Knee Pivot to Floor (mm)	490 - 505	493	493	495	495
HW- Hip Width (mm)	356 - 391	376	376	368	368
THORAX IMPACTS					
TEMPERATURE (°C)	18.9 - 25.5	20.6	20.6	21.1	21.1
RELATIVE HUMIDITY (%)	10 - 70	39	40	31	40
PROBE SPEED (m/s)	4.27 - 4.33	4.28	4.28	4.31	4.32
UPPER RIB (g's)	37 - 46	46	37.97	44.82	45.54
LOWER RIB (g's)	37 - 46	46	40.3	39.51	41.25
LOWER SPINE (g's)	15 - 22	22	19.33	20.93	21.75
PELVIS IMPACT					
TEMPERATURE (°C)	18.9 - 25.5	20.6	20.6	21.1	21.1
RELATIVE HUMIDITY (%)	10 - 70	36	40	31	40
PROBE SPEED (m/s)	4.27 - 4.33	4.31	4.32	4.29	4.28
PELVIS (g's)	40 - 60	46.53	40.43	48.58	40.73

REMARKS: None

CALIBRATION TEST RESULTS

PRE-TEST

SID H3 NO.: 015

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 4
Date: January 13, 2003 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.
HEAD DROP TEST*	Passed all requirements.
LATERAL NECK BEND 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 H3 Serial No.: 015 Sequential Test Number: 4
Date: January 13, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 – 909	902
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	376

REMARKS: None

**THORACIC SHOCK ABSORBER TESTS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

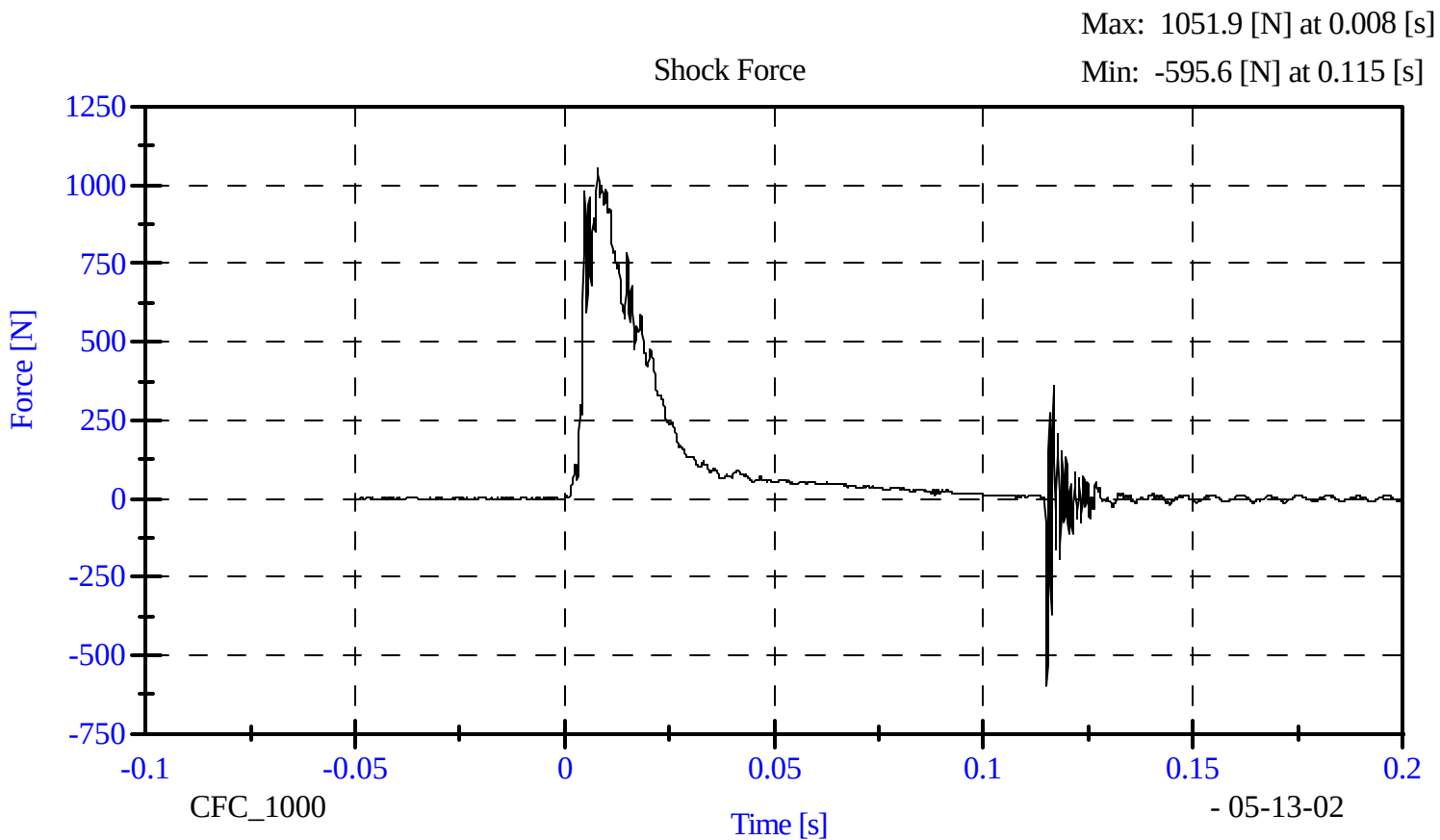
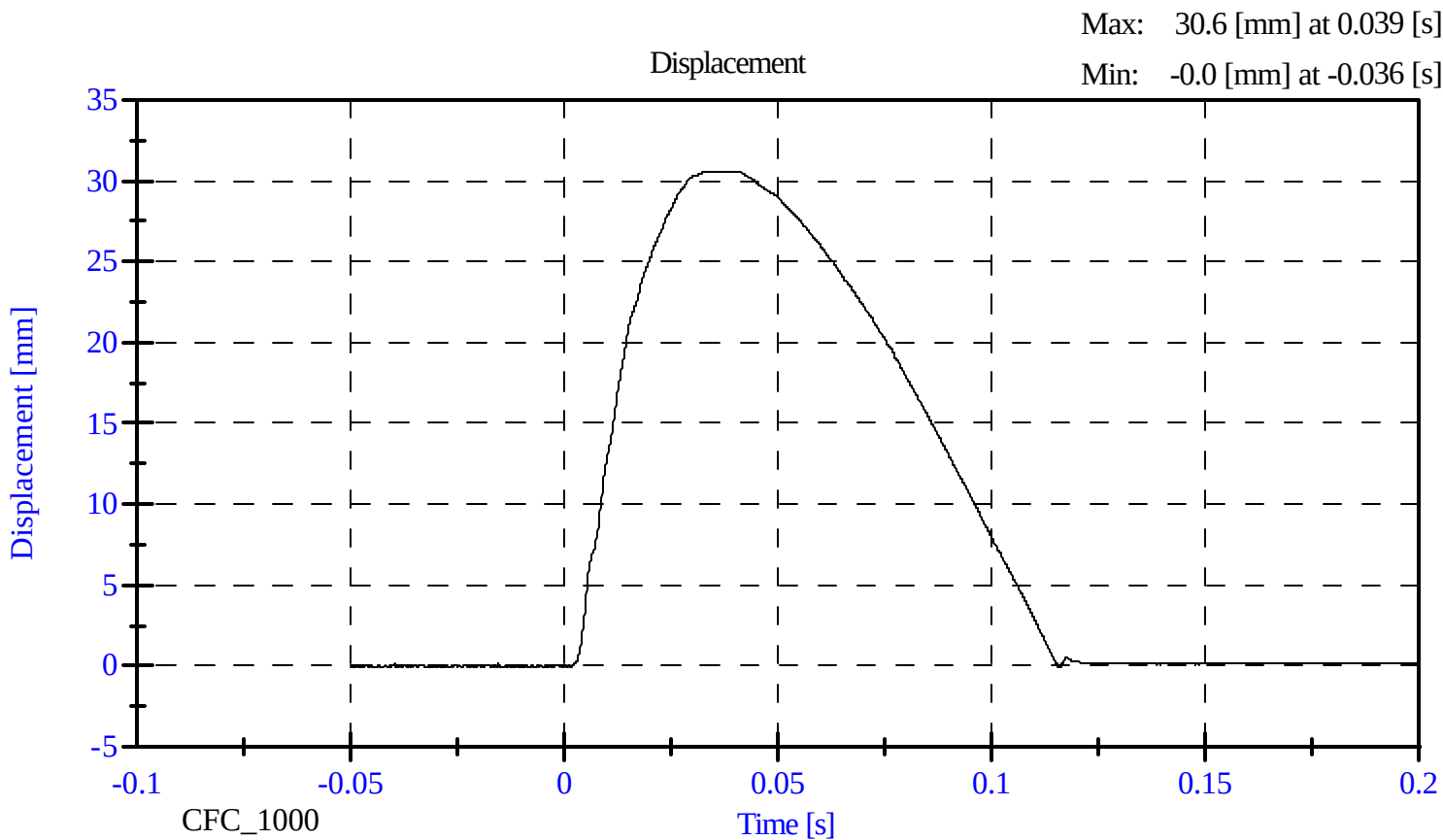
SID H3 Serial No.: 015 Sequential Test Number: 4
Date: May 13, 2002 Laboratory Technician: B. Swiecicki

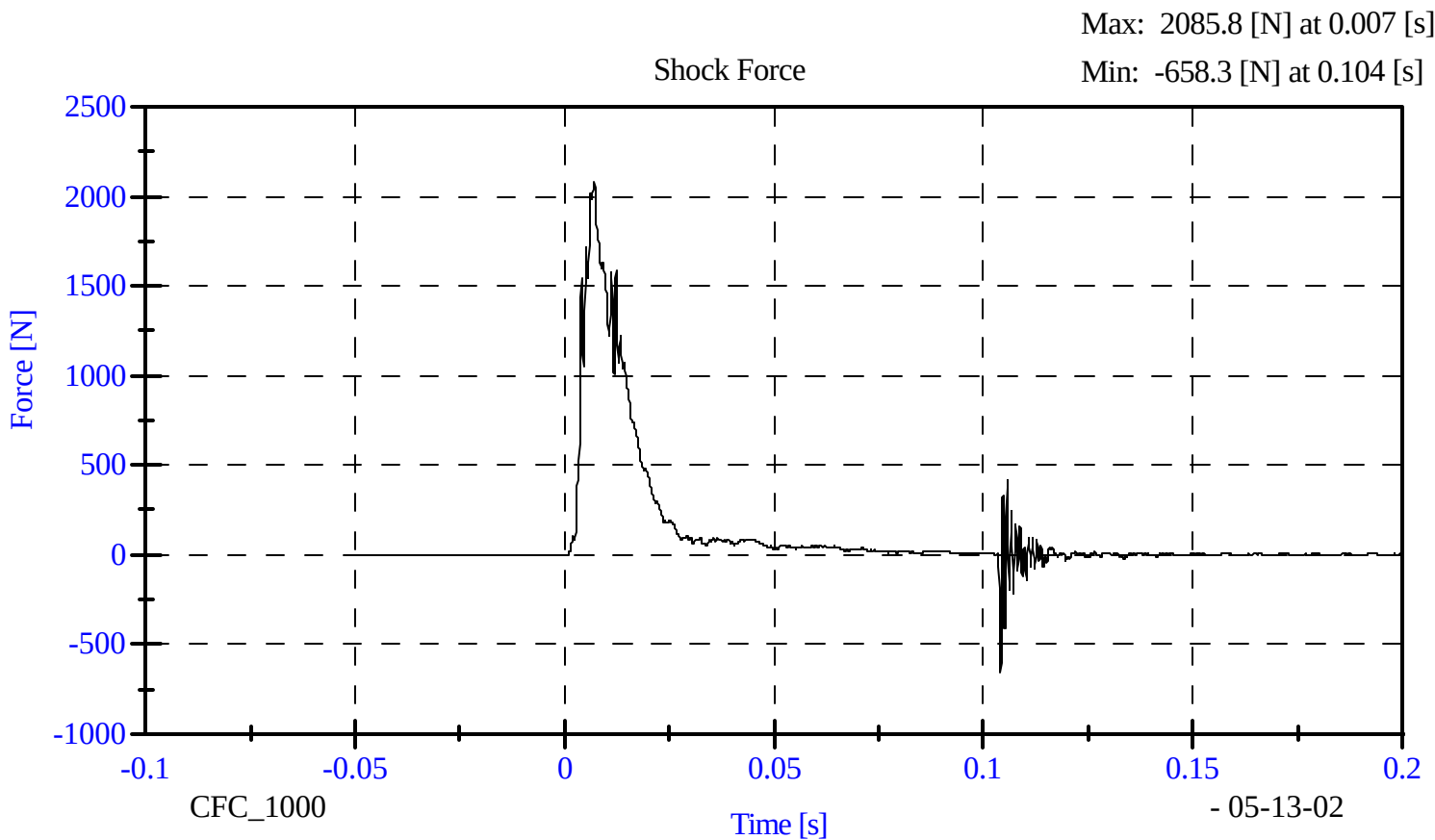
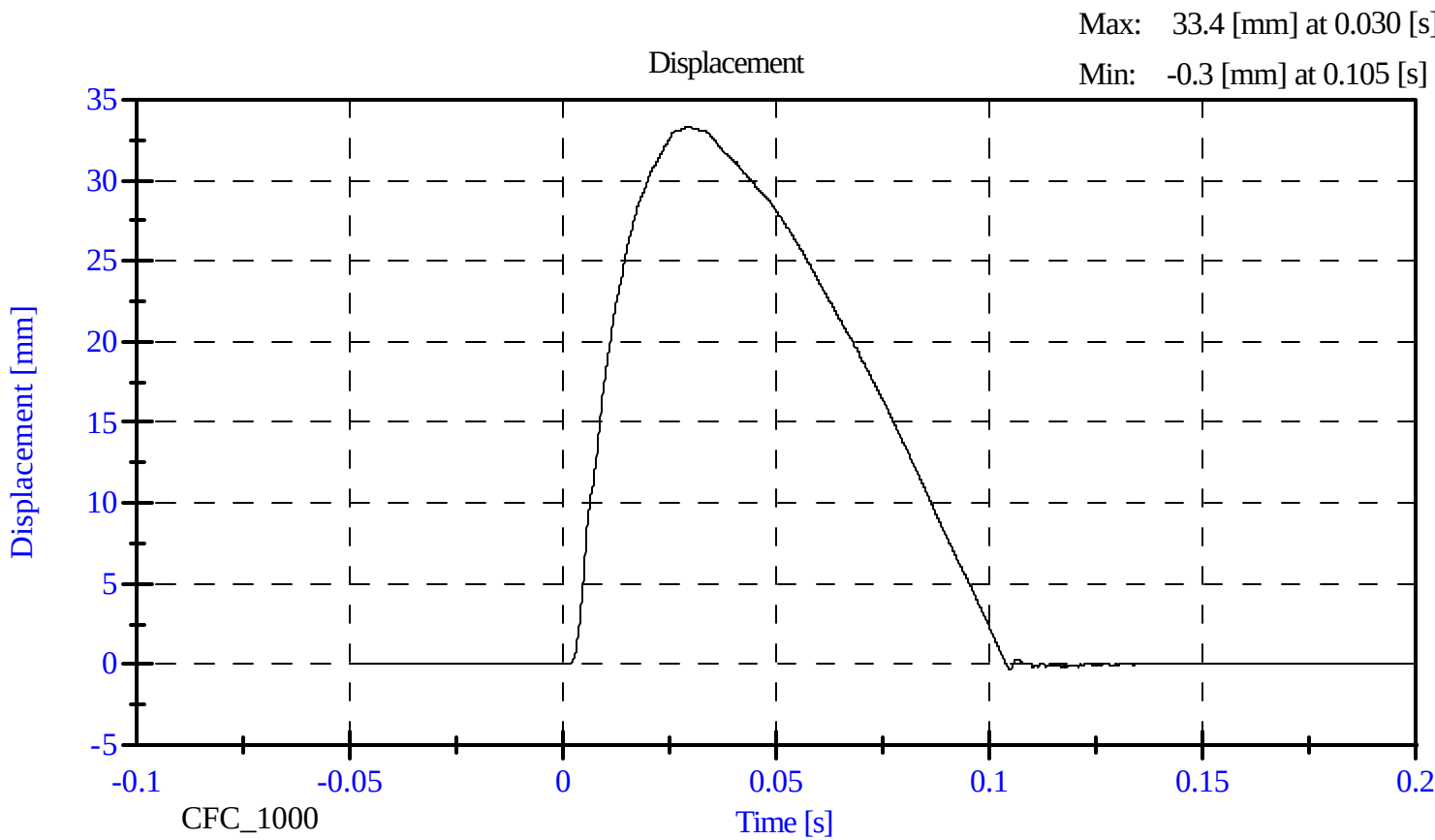
DAMPER IDENTIFICATION: _____

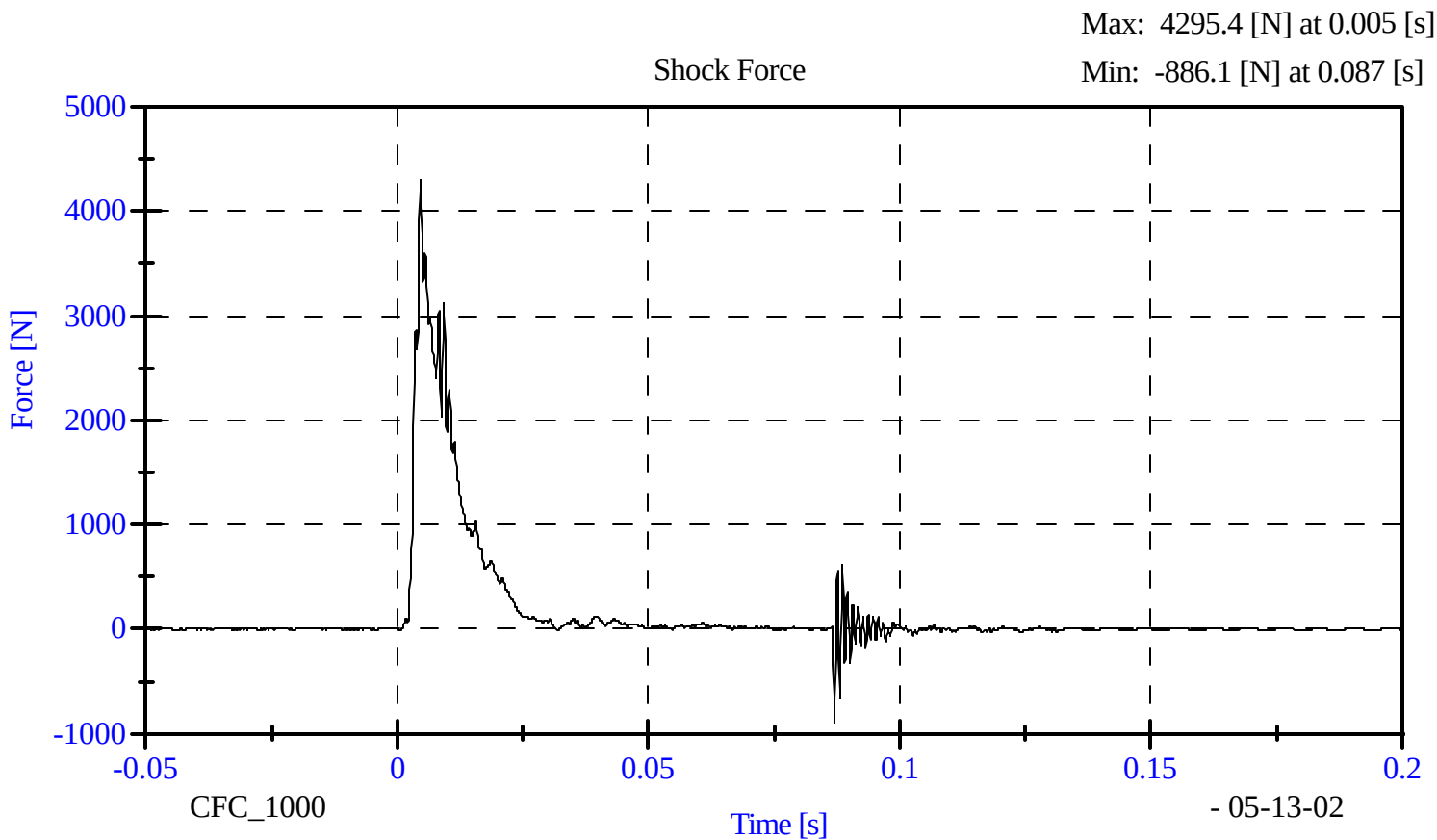
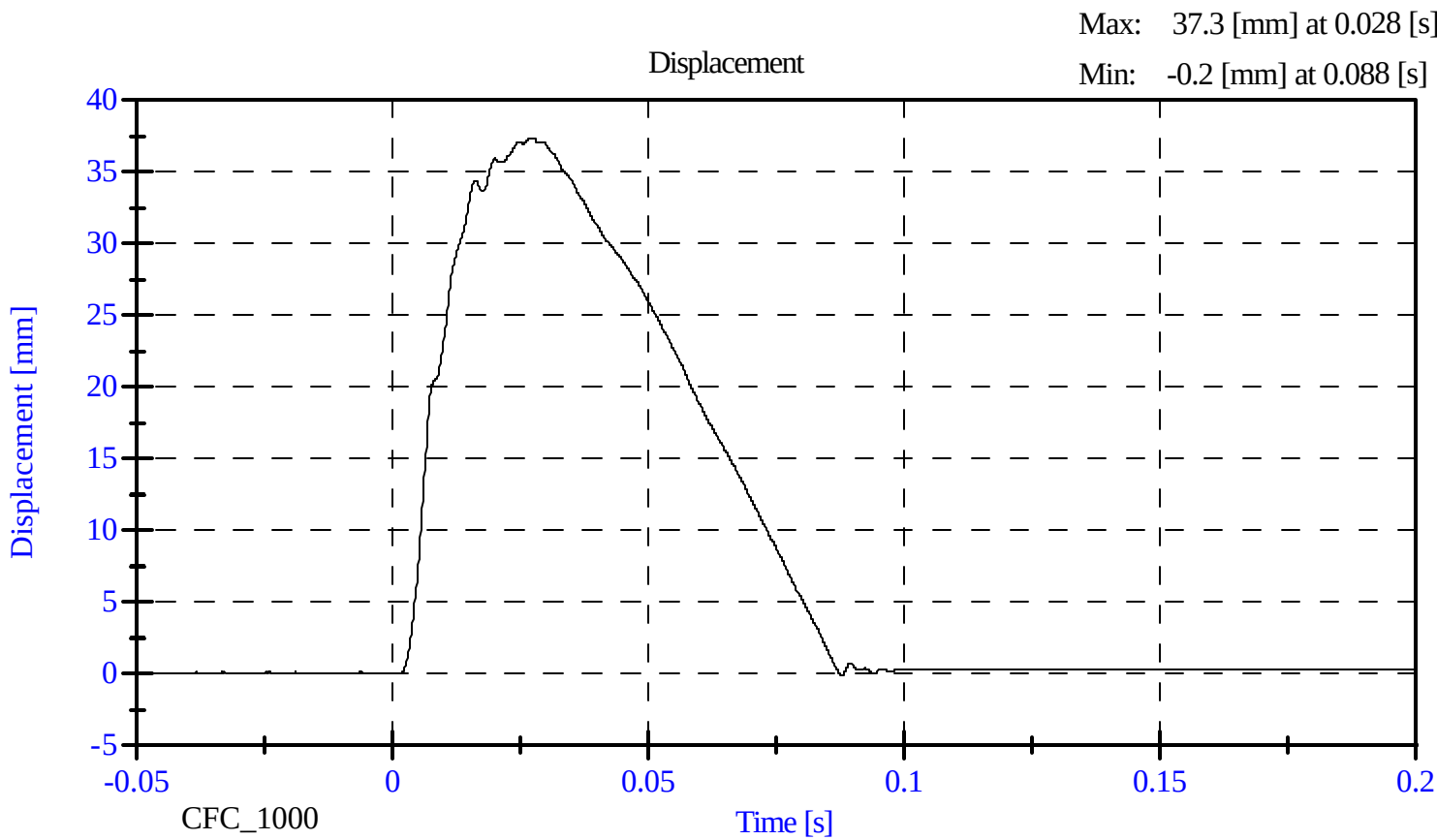
TEST PARAMETER		SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)		18.9 - 25.5	21.7
RELATIVE HUMIDITY (%)		10 - 70	45.0
VELOCITY 3.05 m/s	FORCE (N)	836 - 1125	1051.94
	DISPLACEMENT (mm)	30 - 35	30.61
VELOCITY 4.27 m/s	FORCE (N)	1730 - 2099	2085.78
	DISPLACEMENT (mm)	32 - 37	33.36
VELOCITY 6.10 m/s	FORCE (N)	3741 - 4448	4295.41
	DISPLACEMENT (mm)	33 - 40	37.29

DAMPER SETTING: 5

REMARKS: None







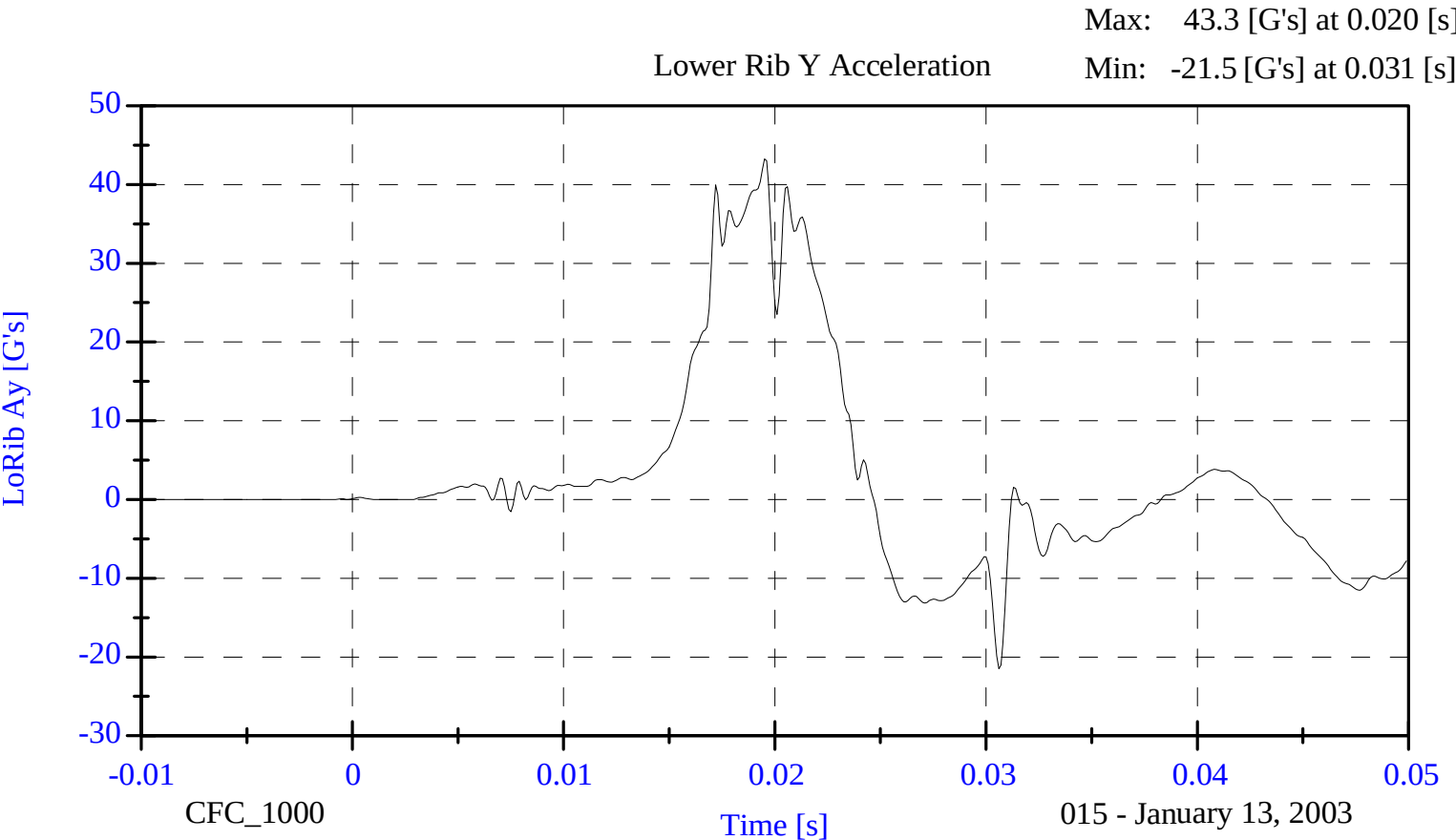
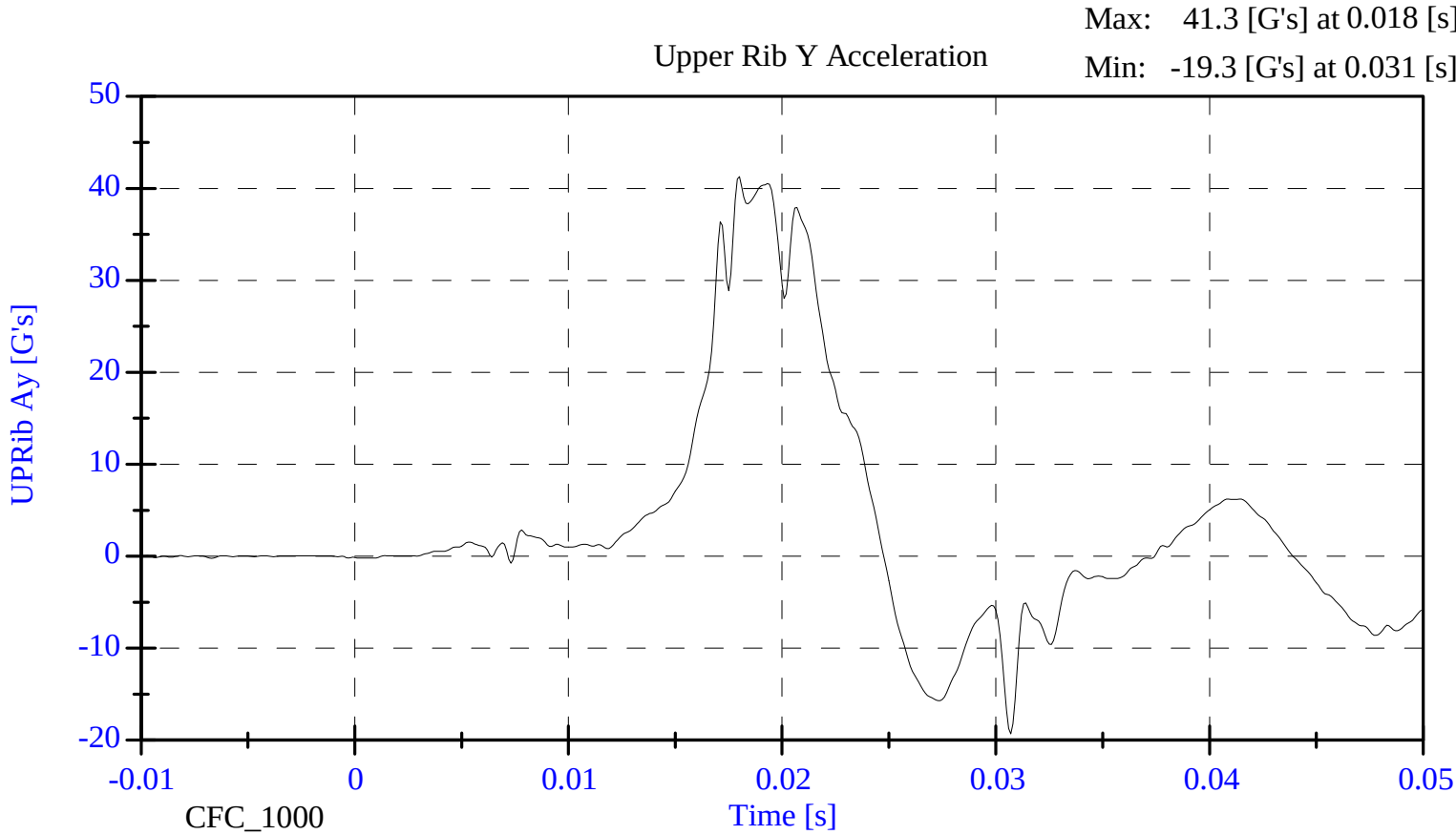
**LATERAL THORAX IMPACT TEST
PRE-TEST**

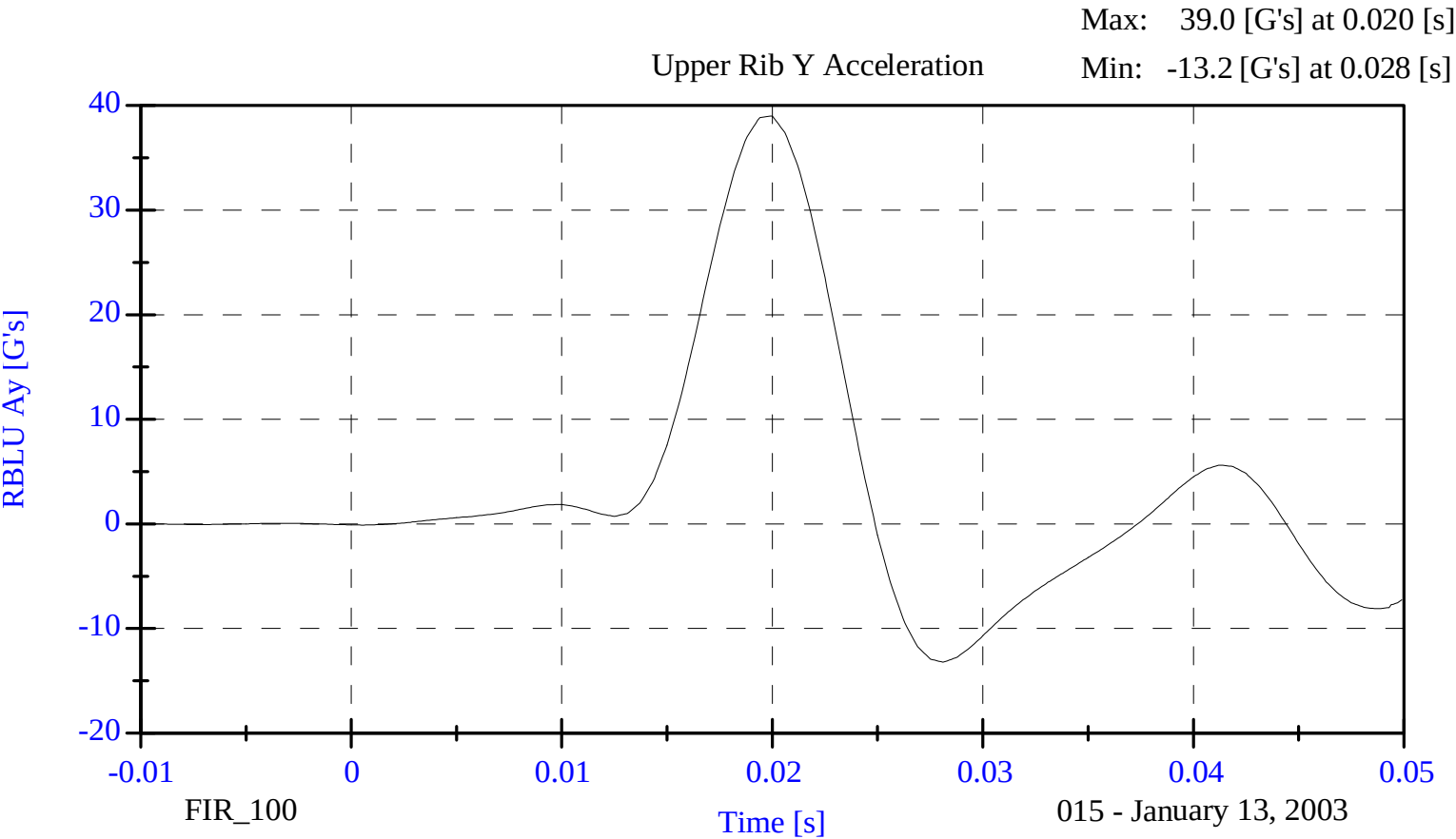
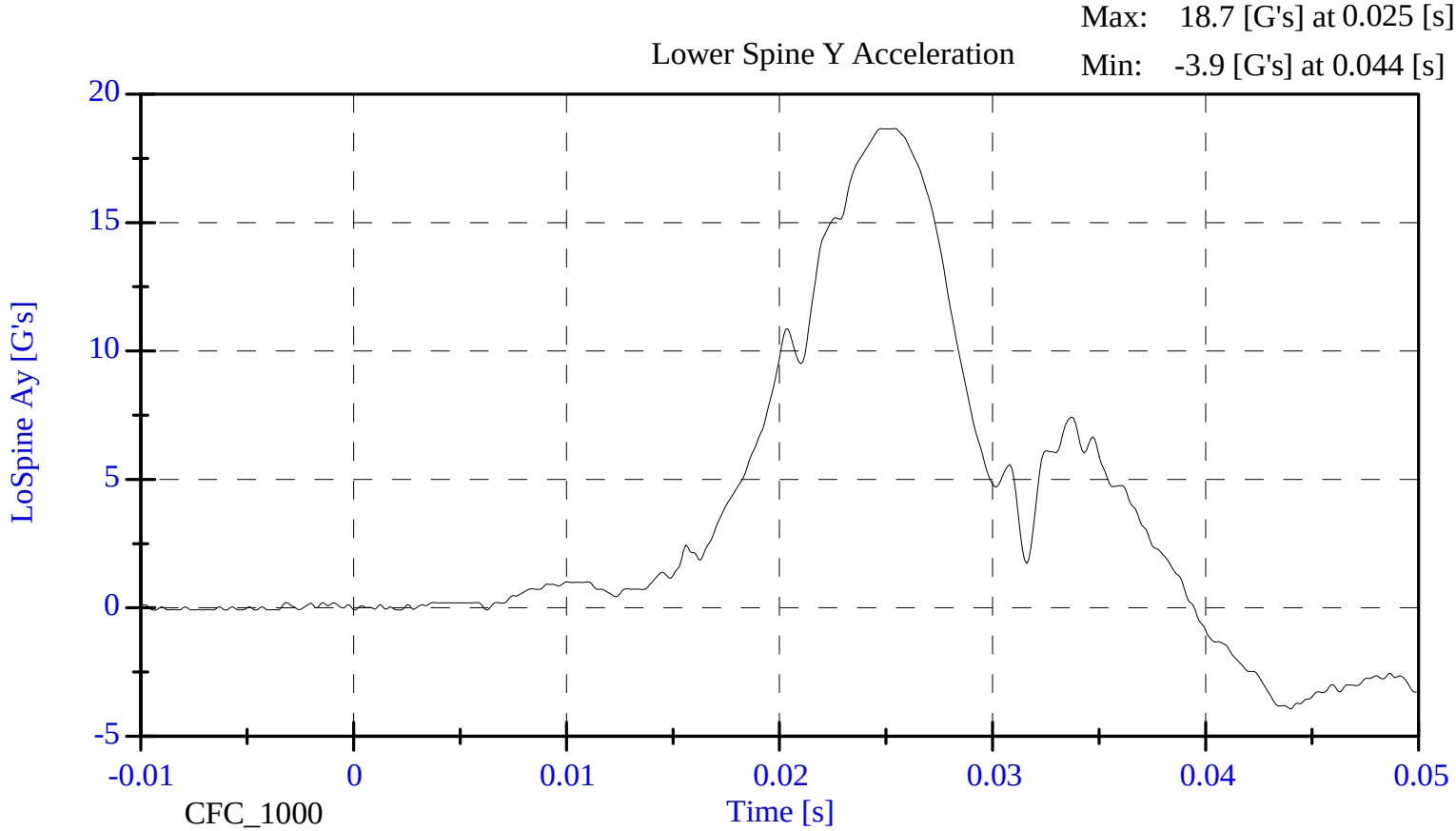
CONFIGURED FOR LEFT SIDE IMPACT

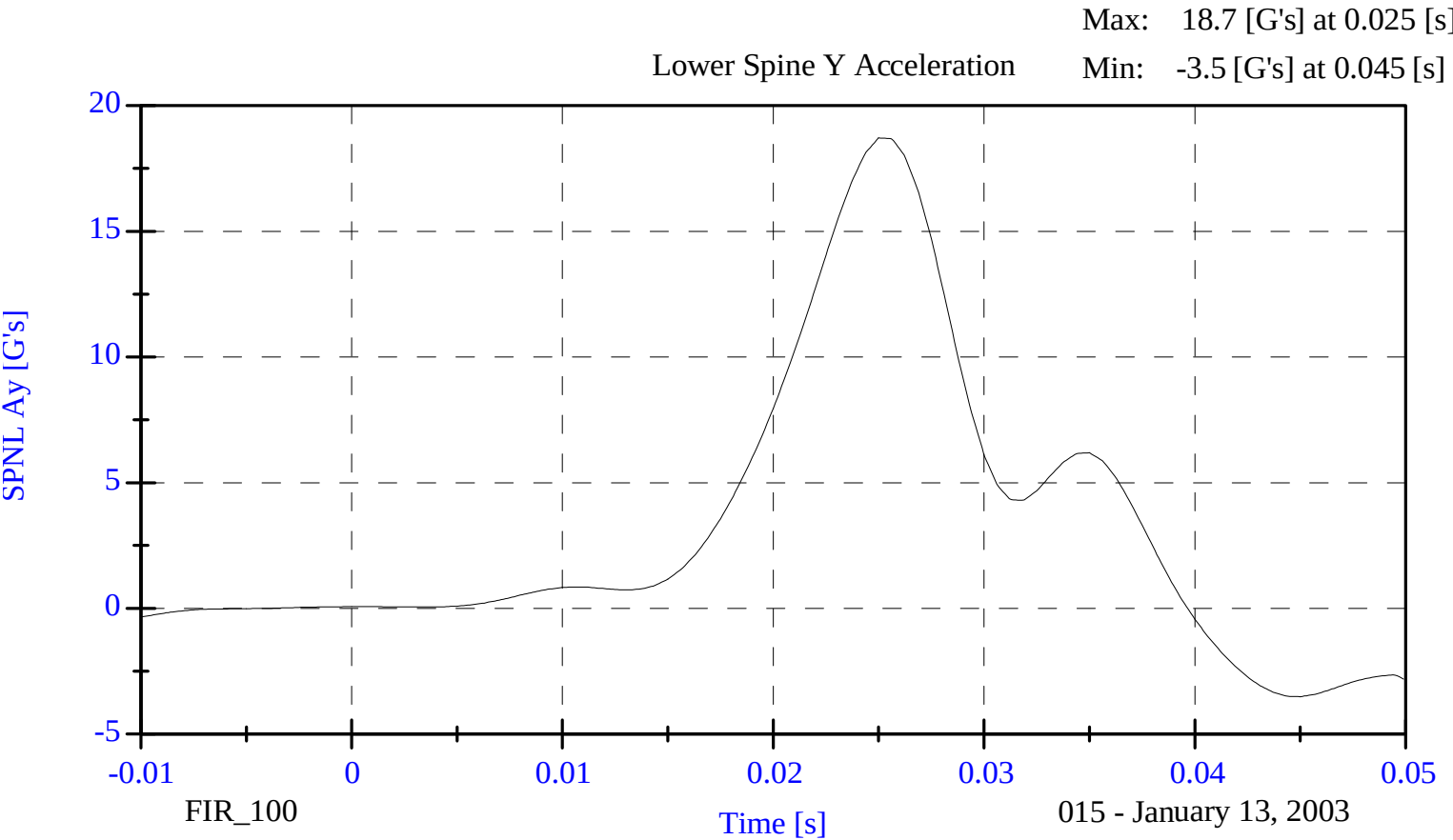
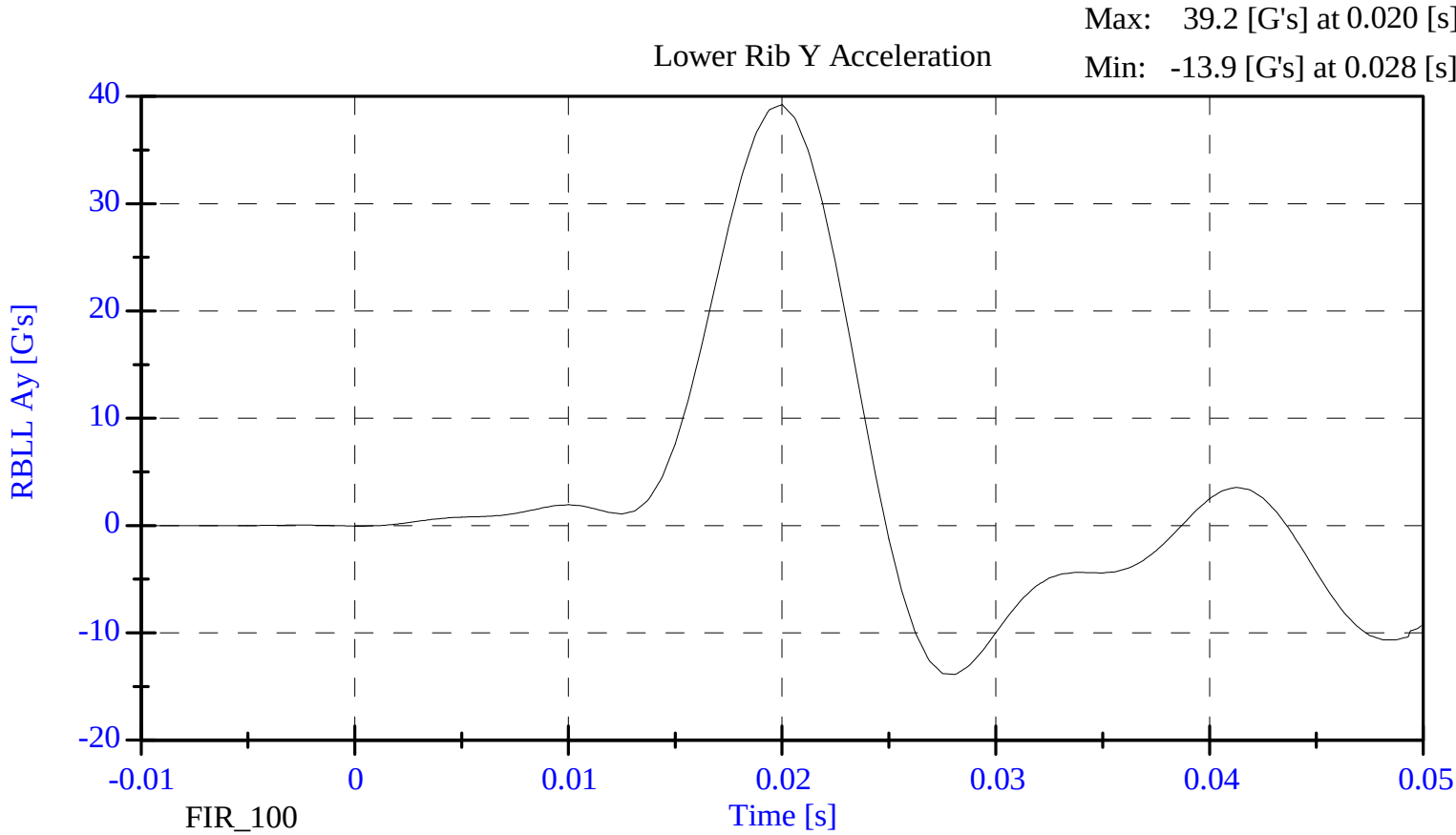
SID H3 Serial No.: 015 Sequential Test Number: 4
Date: January 13, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	20.6
RELATIVE HUMIDITY (%)	10 - 70	39.00
PROBE SPEED (m/s)	4.27 - 4.33	4.28
UPPER RIB (g's)	37 - 46	46.00
LOWER RIB (g's)	37 - 46	46.00
LOWER SPINE (g's)	15 - 22	22.00

REMARKS: None







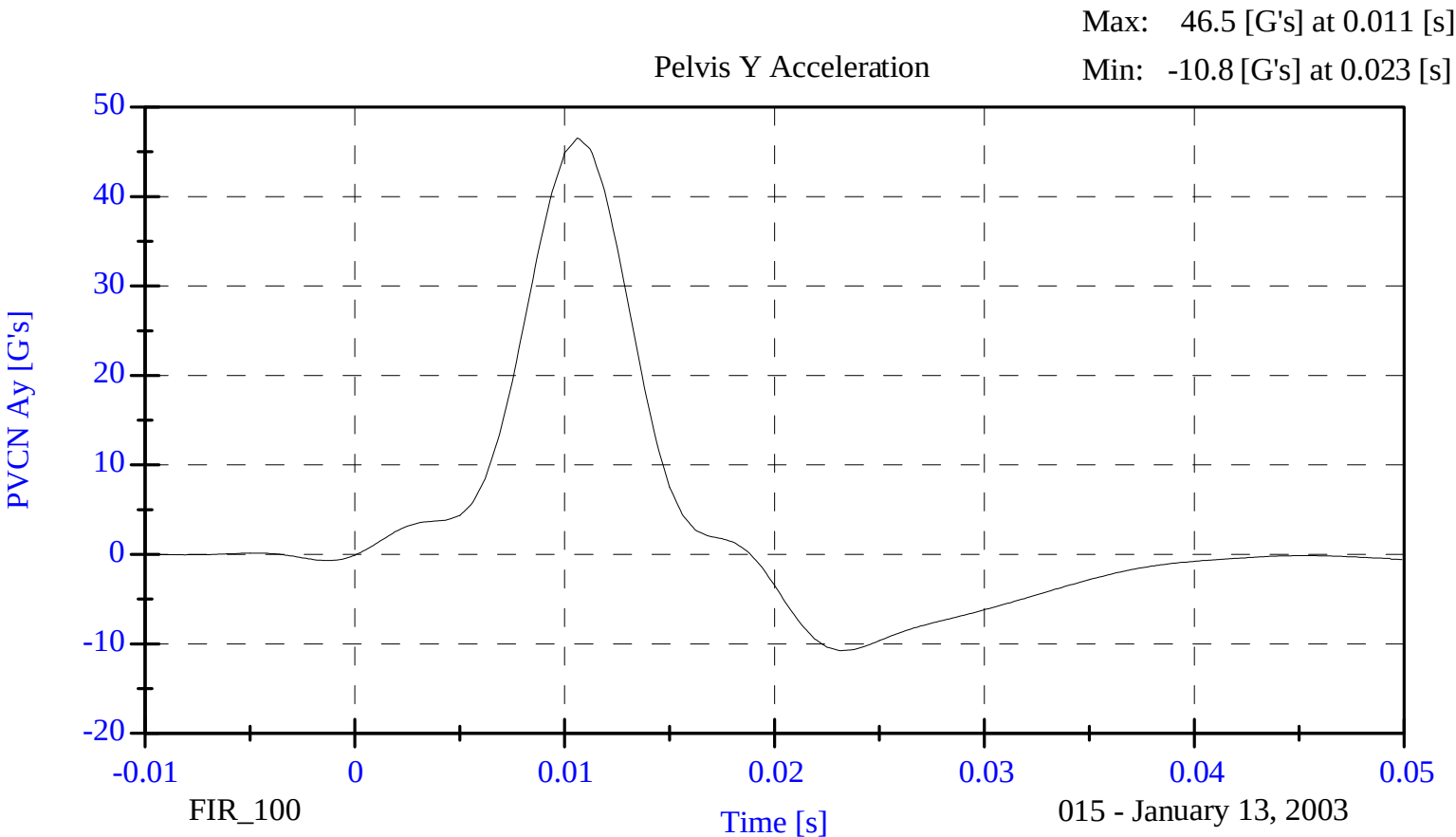
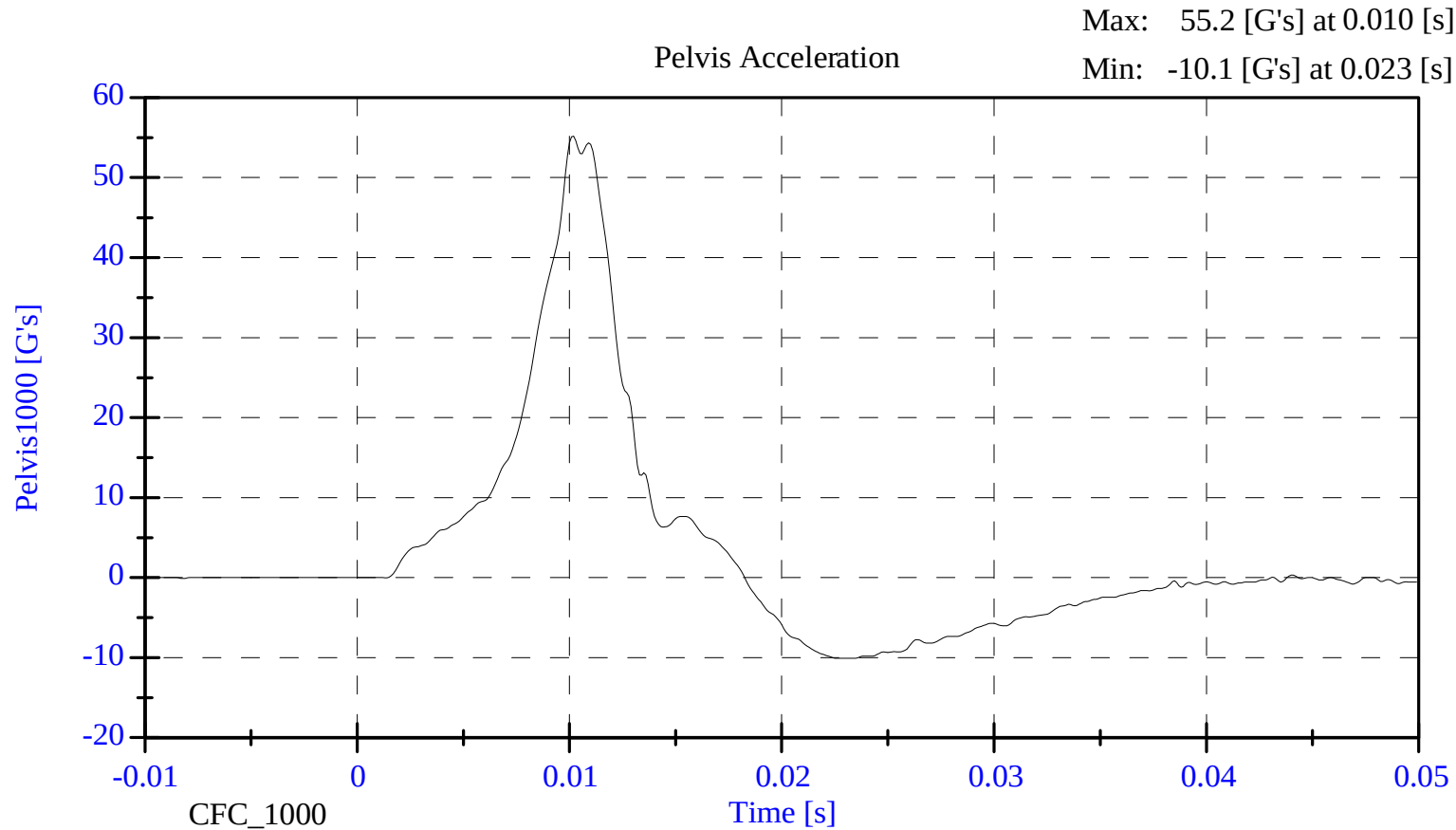
**LATERAL PELVIS IMPACT TEST
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 4
Date: January 13, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	20.6
RELATIVE HUMIDITY (%)	10 - 70	36.00
PROBE SPEED (m/s)	4.27 - 4.33	4.31
PELVIS ACCELERATION (g's)	40 - 60	46.53

REMARKS: None



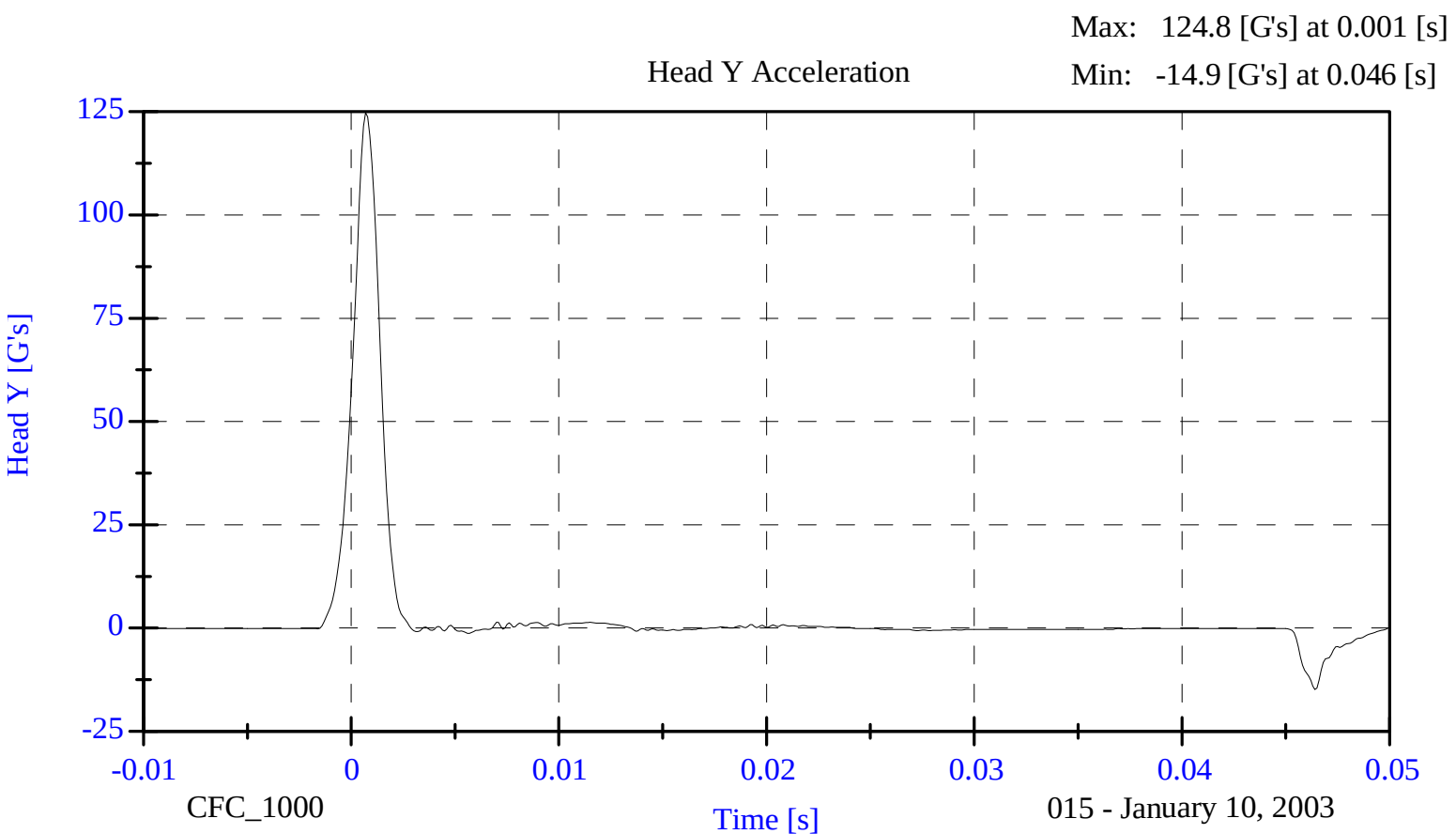
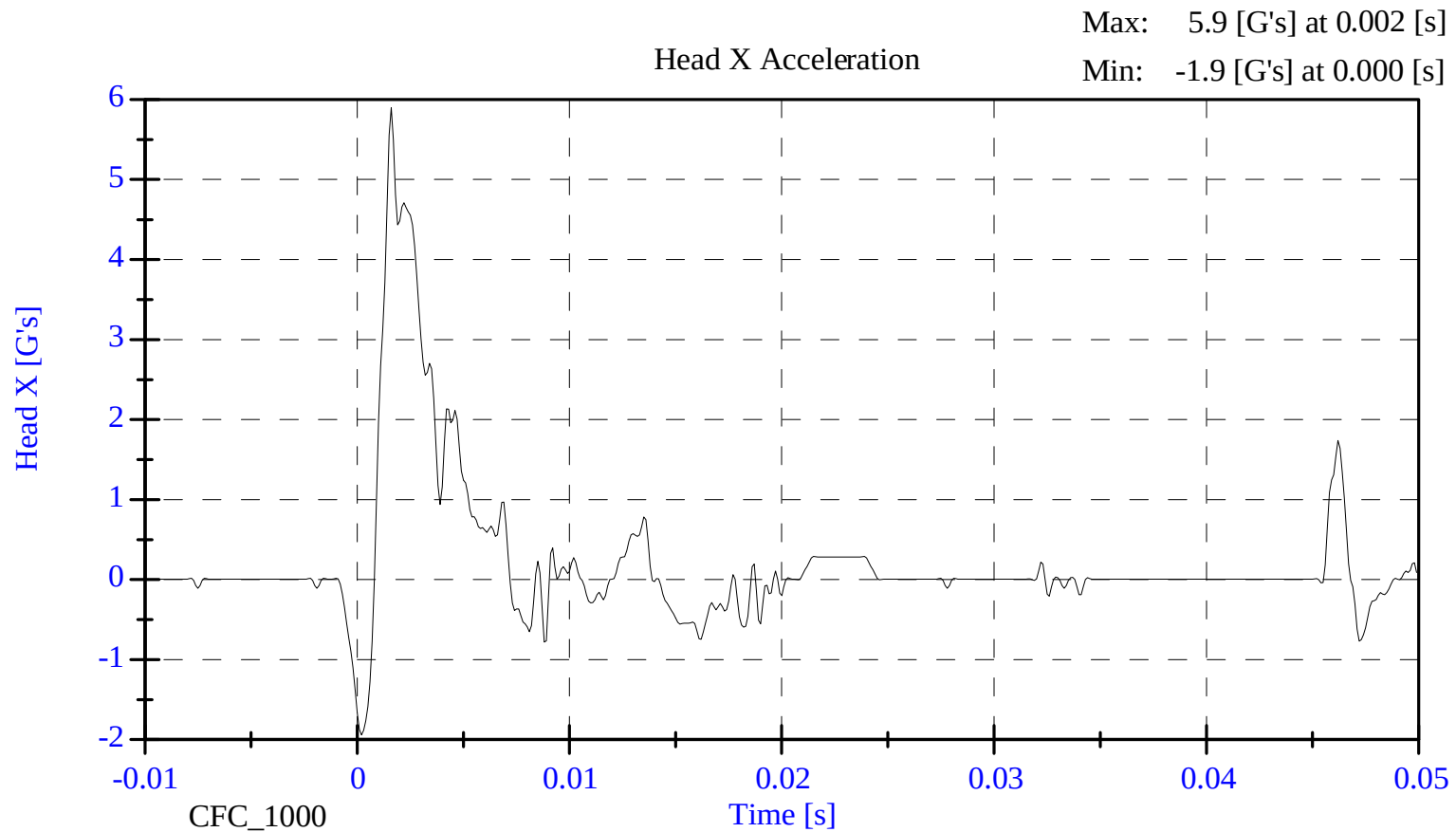
HEAD DROP TEST
PRE-TEST
(Test not required for SID certification)

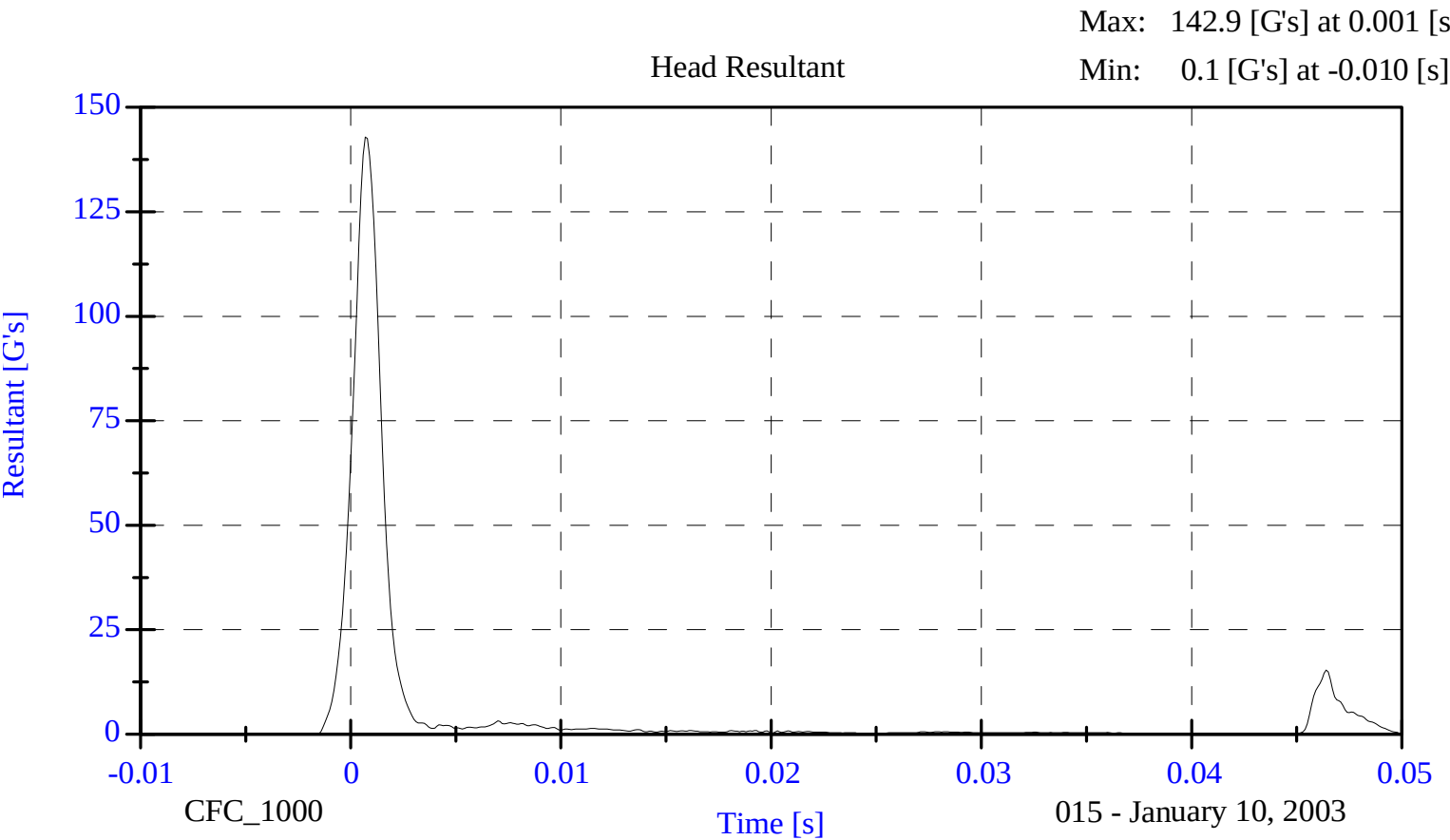
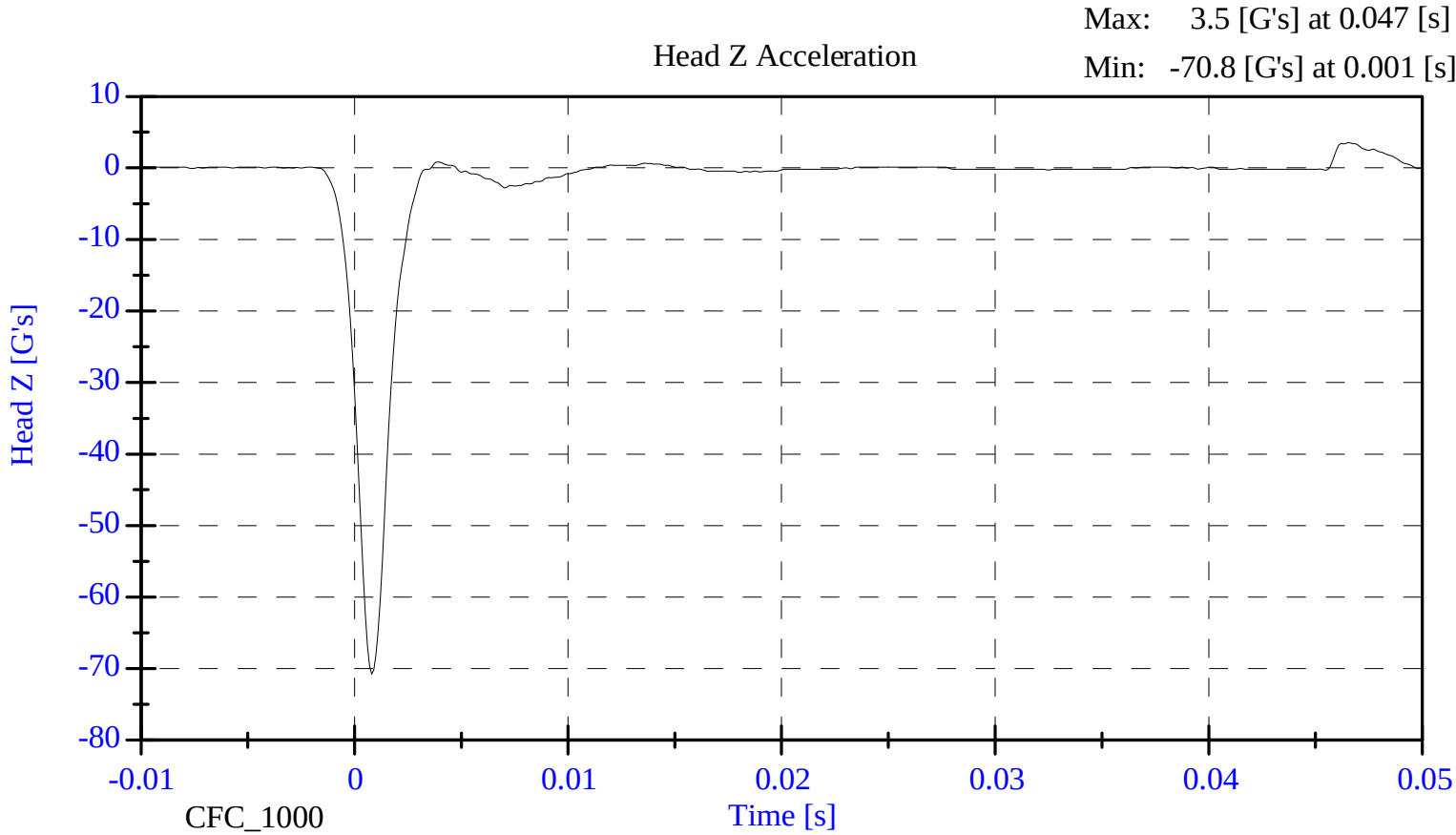
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 4
Date: January 10, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	20.6 – 22.2	70.3
RELATIVE HUMIDITY (%)	10 – 70	38.00
PEAK RESULTANT ACCELERATION (Gs)	120 – 150	142.90
PEAK LATERAL ACCELERATION (Gs)	Not to Exceed 15	5.9
CURVE PERCENT NONMODAL (%)	< 15	10.75

REMARKS: None





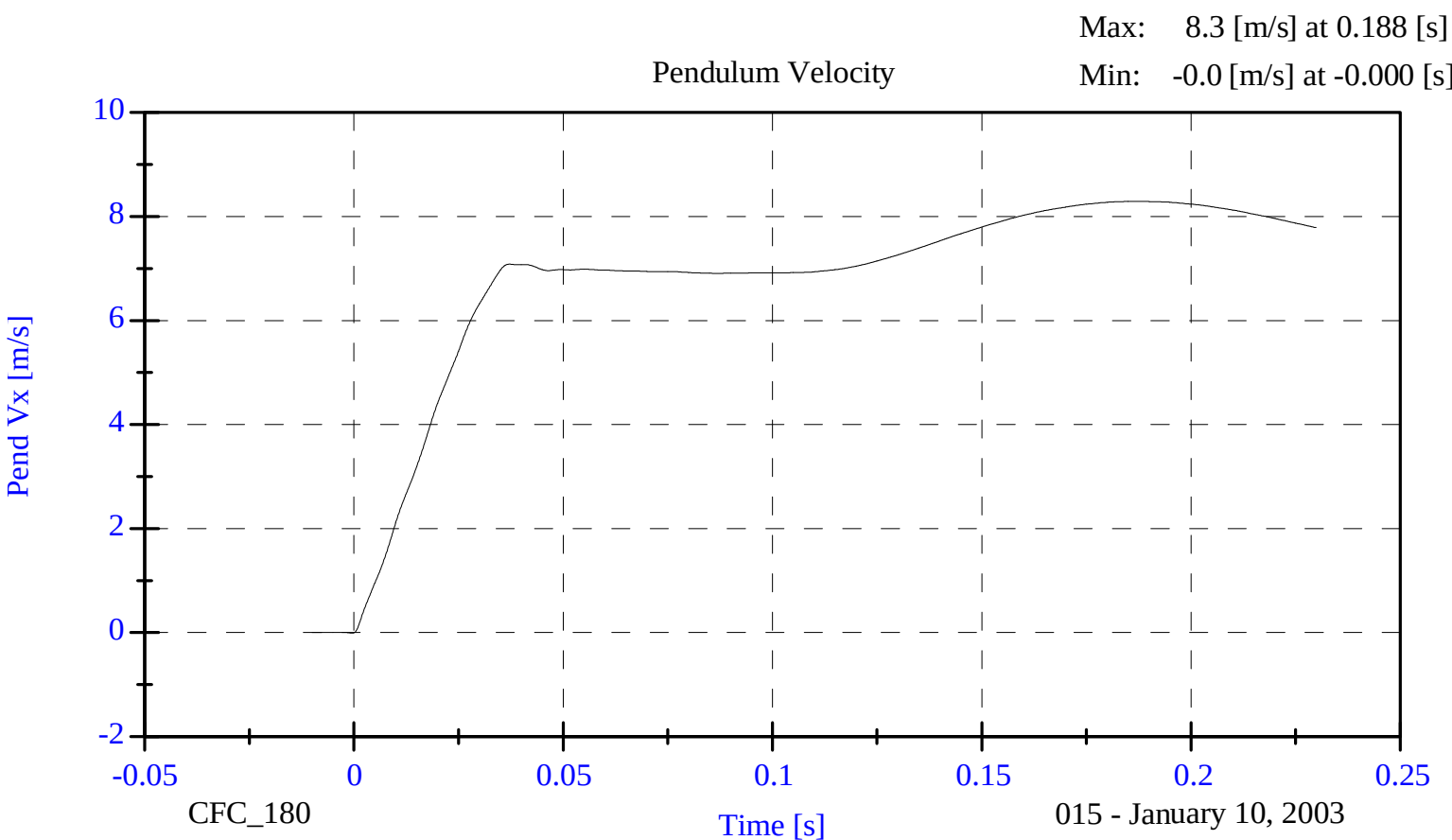
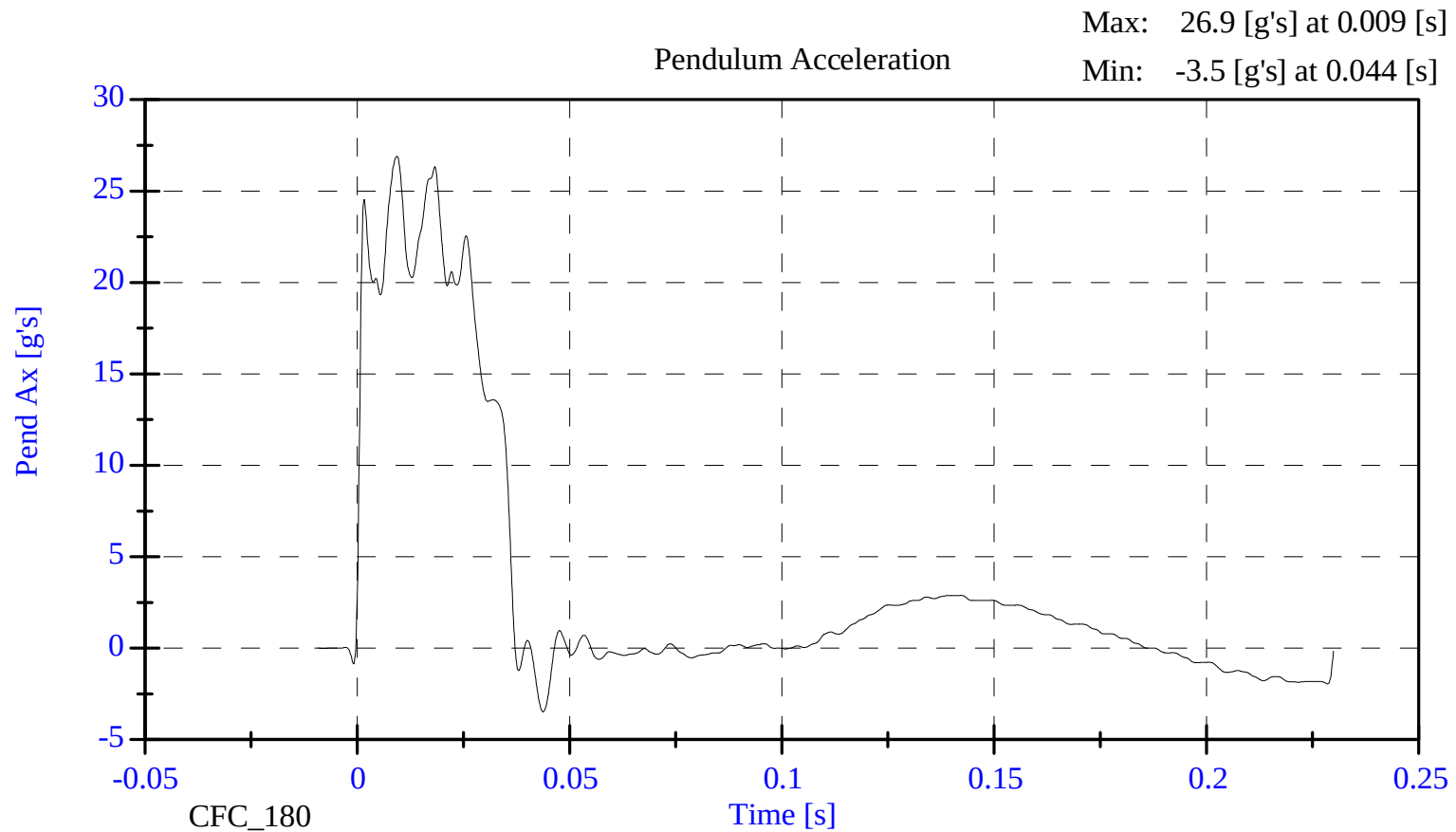
LATERAL NECK BENDING TEST
PRE-TEST
(Test not required for SID certification)

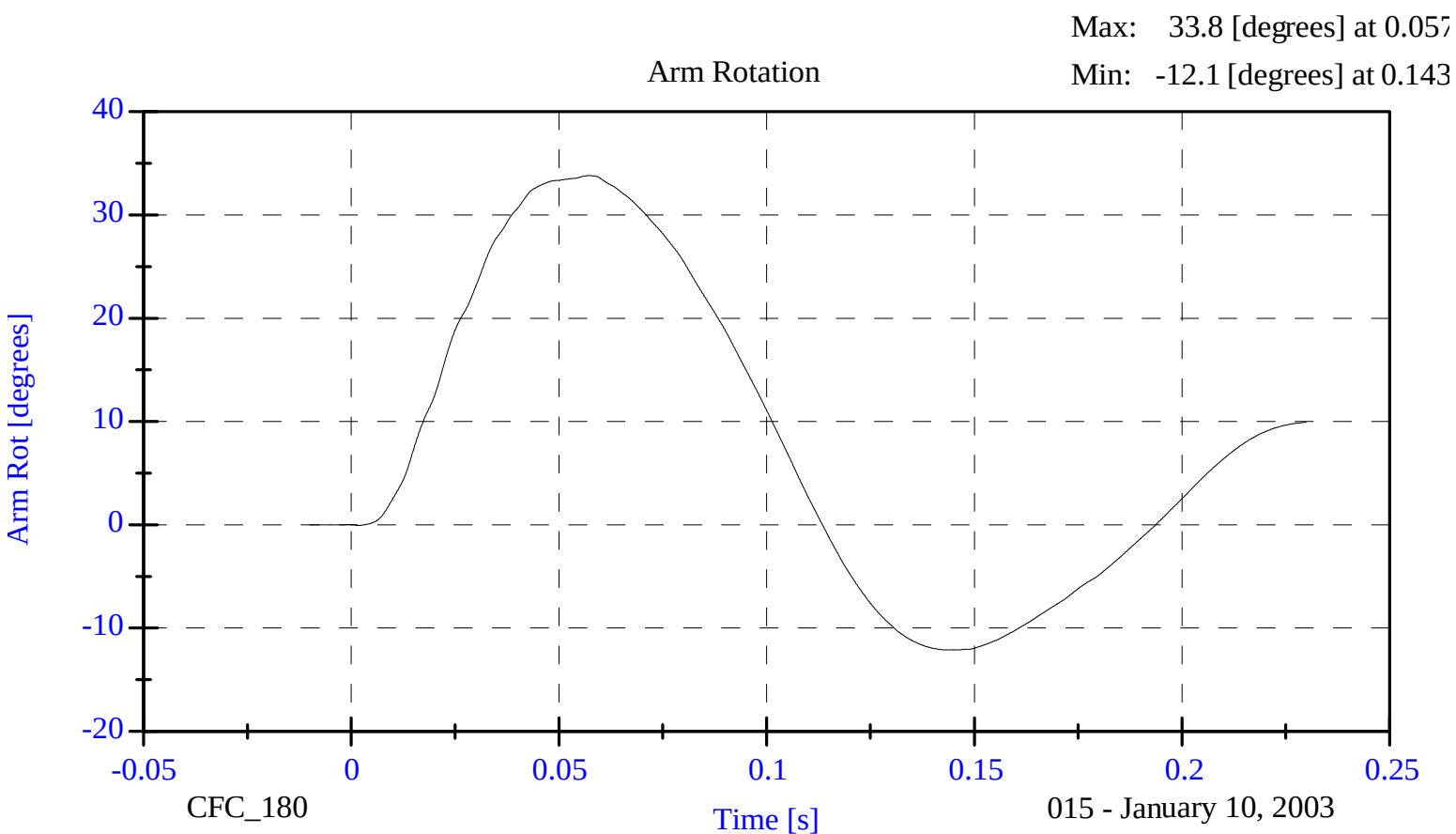
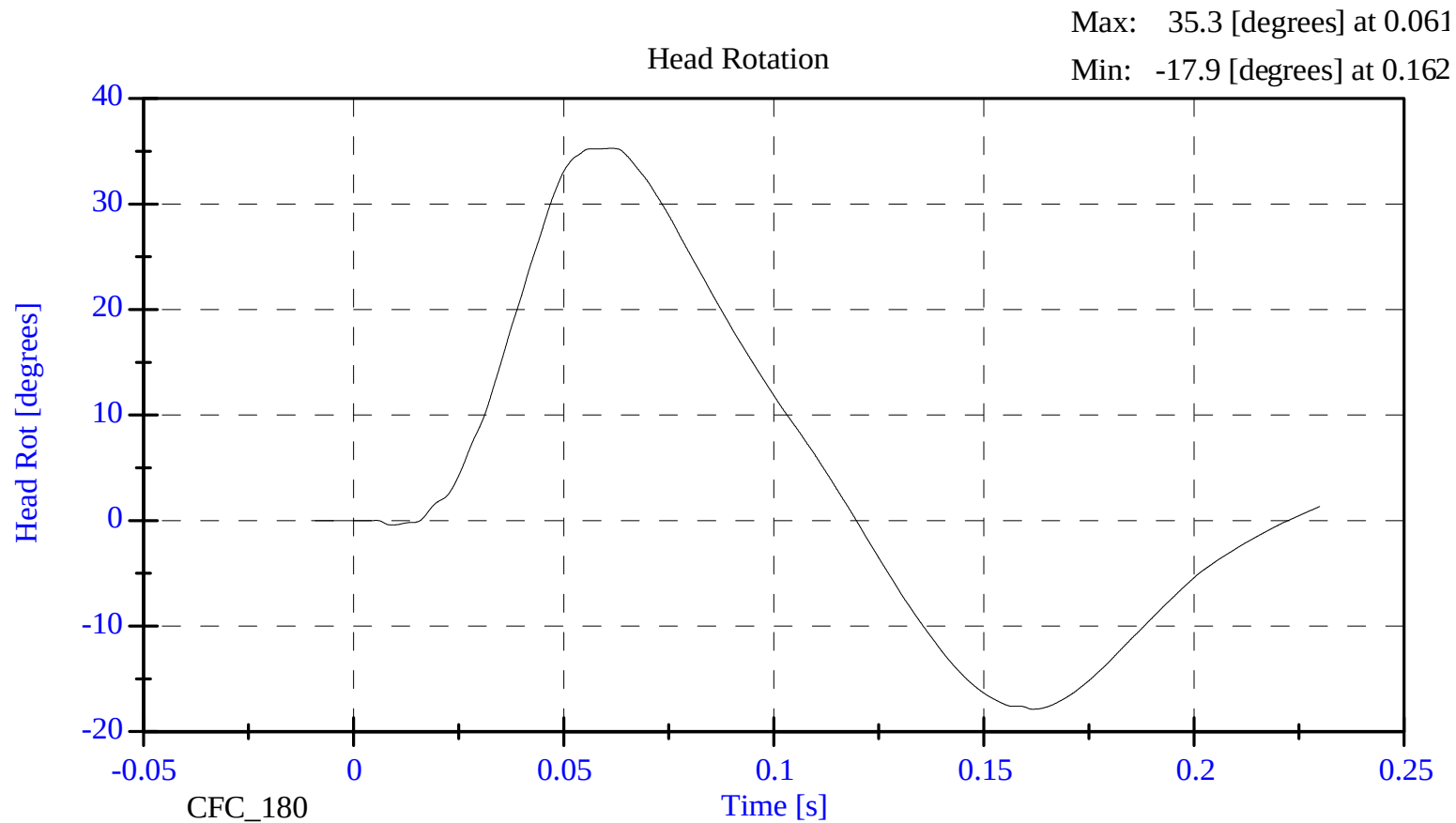
CONFIGURED FOR LEFT SIDE IMPACT

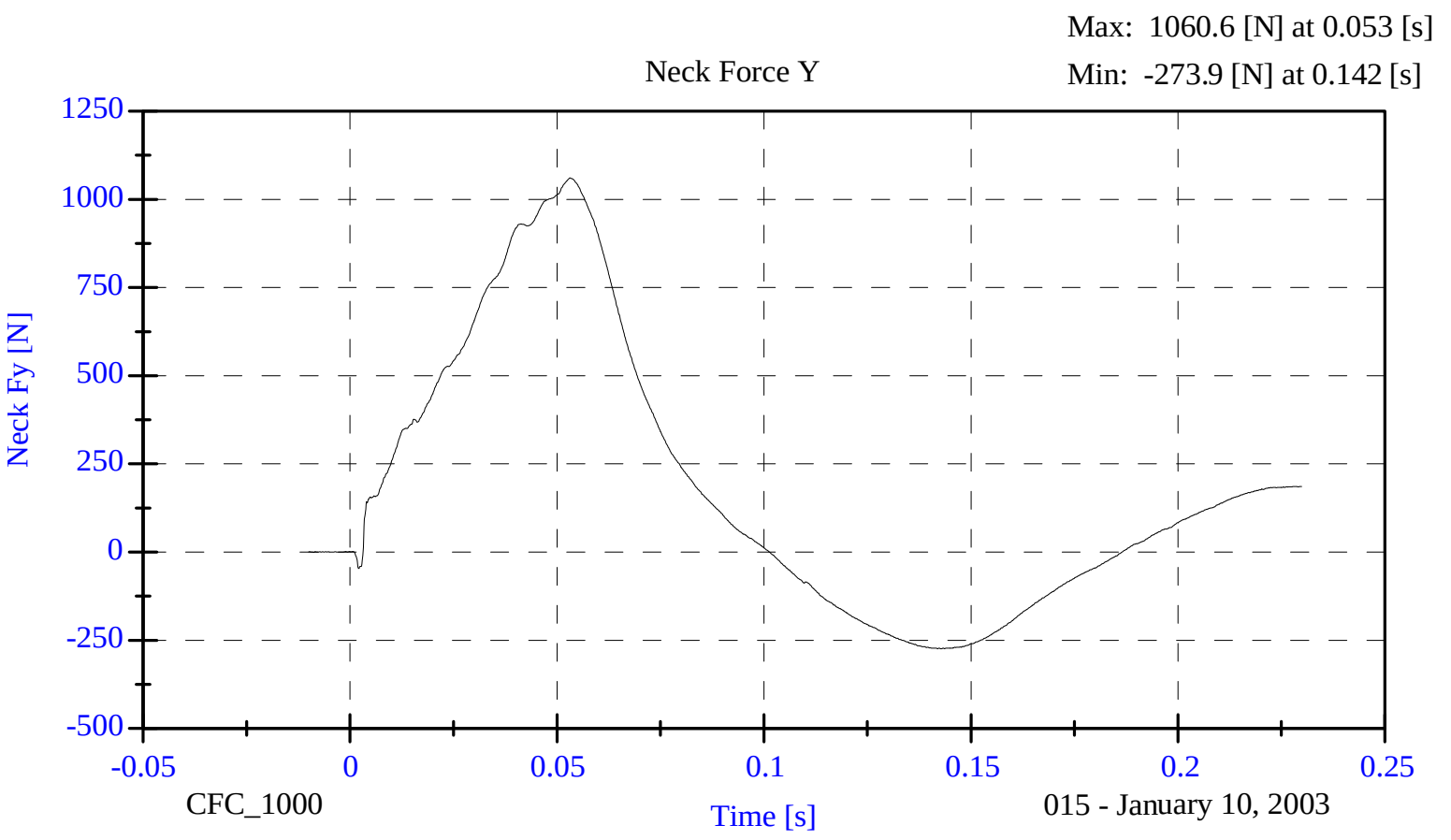
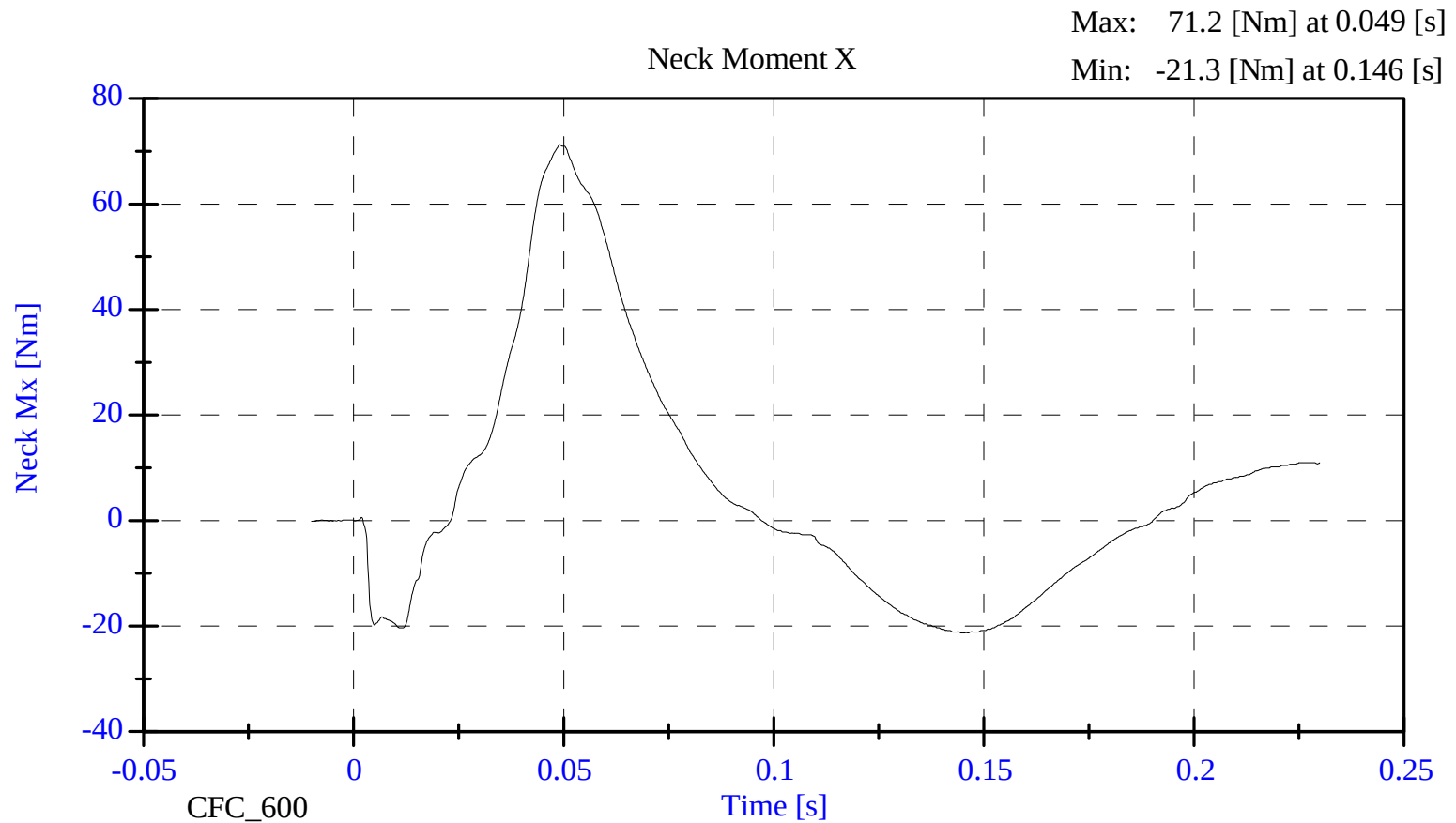
SID Serial No.: 015 Sequential Test Number: 4
Date: January 10, 2003 Laboratory Technician: B. Swiecicki

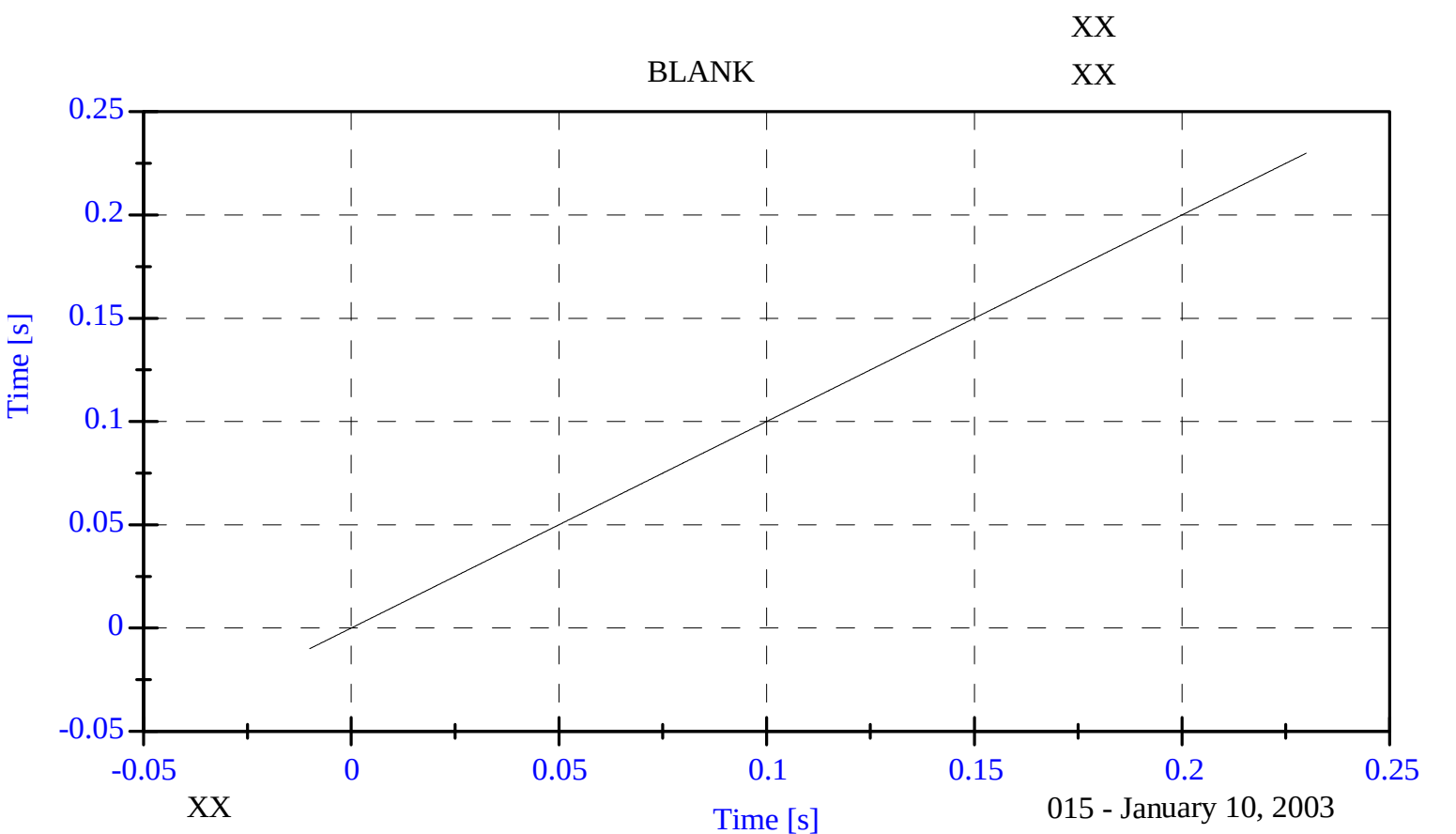
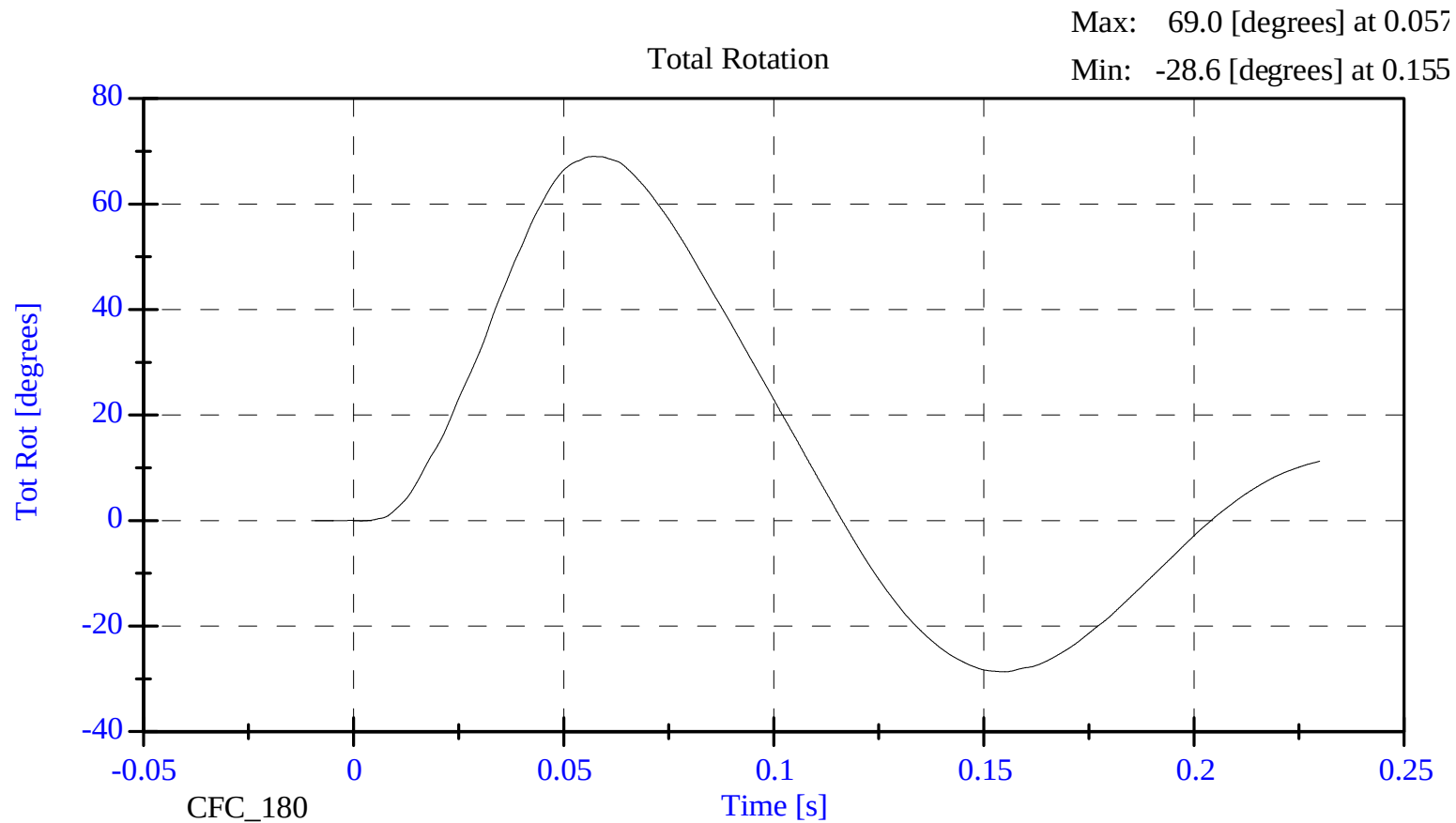
TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	20.6 - 22.2	21.1
RELATIVE HUMIDITY (%)	10 - 70	38.00
IMPACT VELOCITY (m/s)	6.89 – 7.13	7.09
PENDULUM DELTA V		
DELTA V @ 10 ms (m/s)	1.96 – 2.55	2.11
DELTA V @ 20 ms (m/s)	4.12 – 5.10	4.41
DELTA V @ 30 ms (m/s)	5.73 – 7.01	6.32
DELTA V @ 40-70 ms (m/s)	6.27 – 7.64	7.07
D PLANE ROTATION		
MAXIMUM ROTATION (deg)	64 – 78	69.02
ROT. ANGLE TIME to ZERO (ms)	50 – 70	59.20
MOMENT ABOUT THE OCCIPITAL CONDYLE		
MAX OCCIPITAL MOMENT (Nm)	88 – 108	89.11
OCCIPITAL MOMENT DECAY (ms)	40.0 – 60.0	49.00
HEAD ROTATION TIME WITH RESPECT TO THE OCCIPITAL CONDYLE MOMENT		
ROTATION wrt MOMENT (ms)	0 – 20	8.00

REMARKS: None









**ABDOMINAL COMPRESSION TEST
PRE-TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 4
Date: January 13, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	71.4
RELATIVE HUMIDITY (%)	10 - 70	39.00
FORCE @ 13 mm (N)	104 - 162	121.0
FORCE @ 19 mm (N)	163 - 221	186.8
FORCE @ 25 mm (N)	222 - 280	266.0
FORCE @ 33 mm (N)	325 - 391	378.1

REMARKS: None

Dummy S/N 015

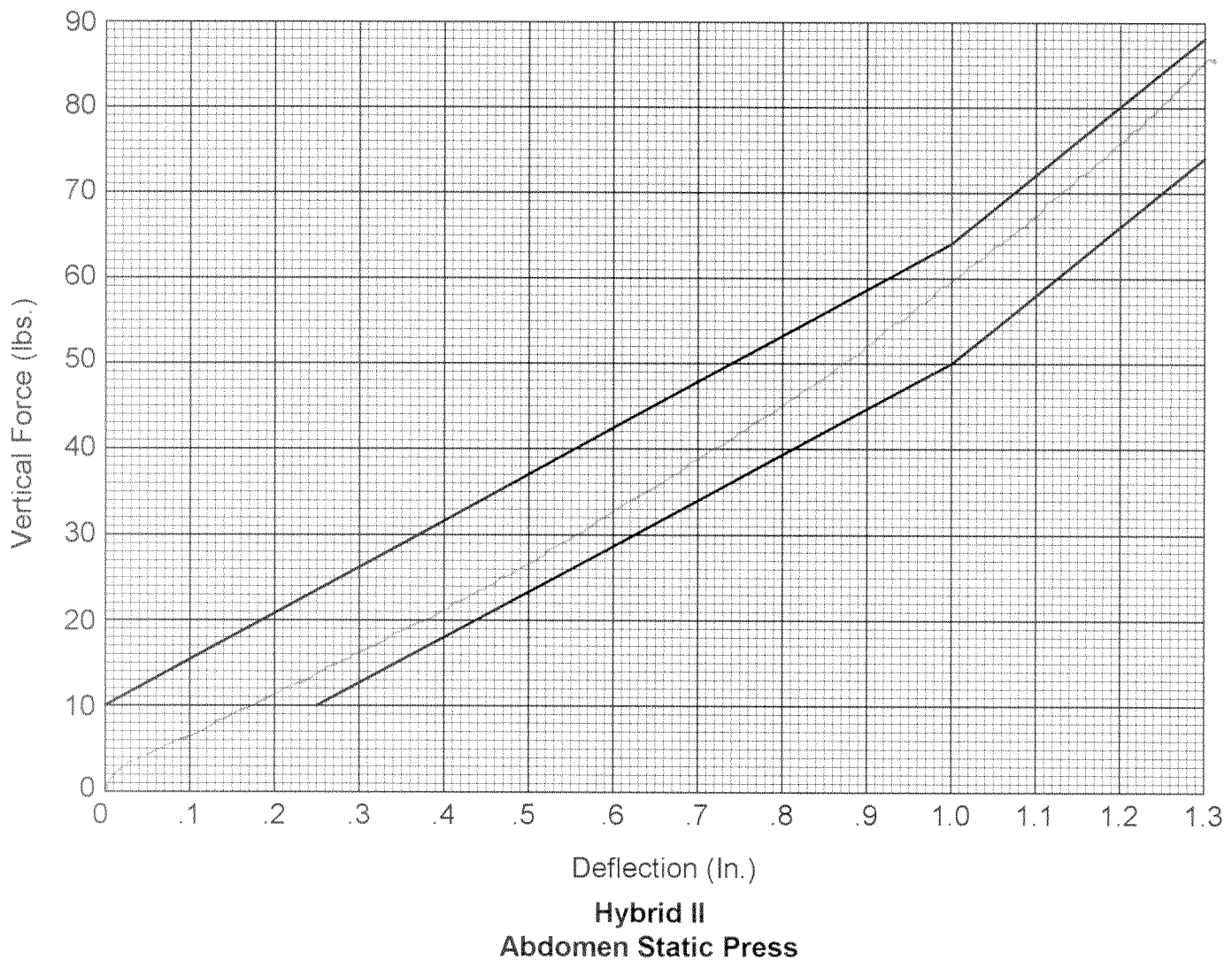
W/A _____

Date 1-13-03

Performed By BS

Temp. 71°

Humidity 39%



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

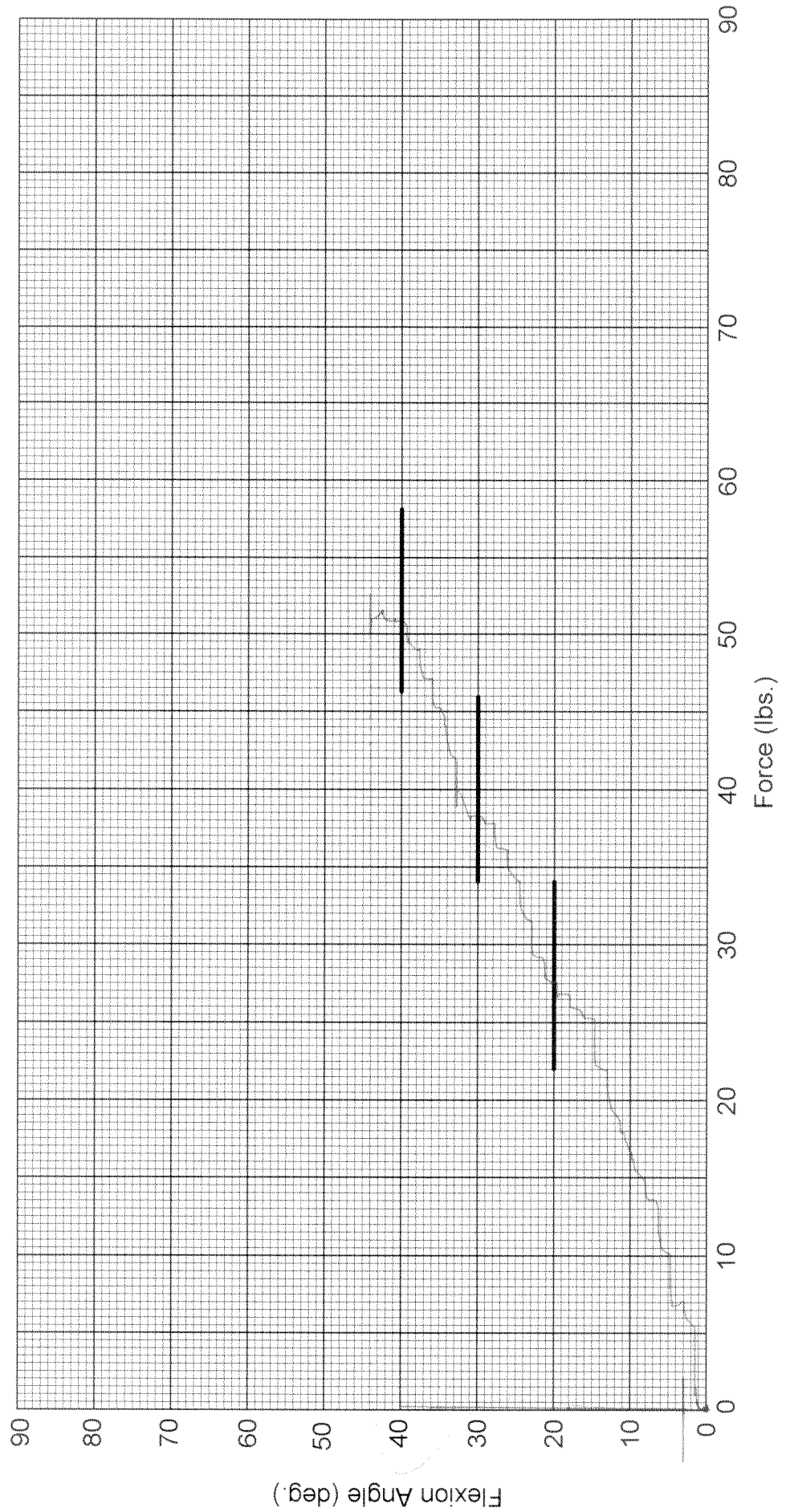
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 4
Date: January 13, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	71.4
RELATIVE HUMIDITY (%)	10 - 70	39.00
FORCE @ 0° (N)	0 - 26.7	0.0
FORCE @ 20° (N)	97.8 - 151.2	119.0
FORCE @ 30° (N)	151.2 - 204.6	169.5
FORCE @ 40° (N)	204.6 - 258	226.0
RETURN ANGLE	12° max.	1

REMARKS: None

Dummy S/N 015
WIA _____
Date 1-13-03
Performed By [Signature]
Temp. 51
Humidity 39%



Hybrid II Lumbar Spine Flexion Test

PRE-TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 4
Date: January 13, 2003 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 H3 NO.: 016

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 016 Sequential Test Number: 3
Date: January 2, 2003 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.
HEAD DROP TEST*	Passed all requirements.
LATERAL NECK BEND 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 H3 Serial No.: 016 Sequential Test Number: 3
Date: January 2, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	902
RH- Rib Height (mm)	502 - 520	511
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	526
KV- Knee Pivot to Floor (mm)	490 - 505	495
HW- Hip Width (mm)	356 - 391	368

REMARKS: None

**THORACIC SHOCK ABSORBER TESTS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

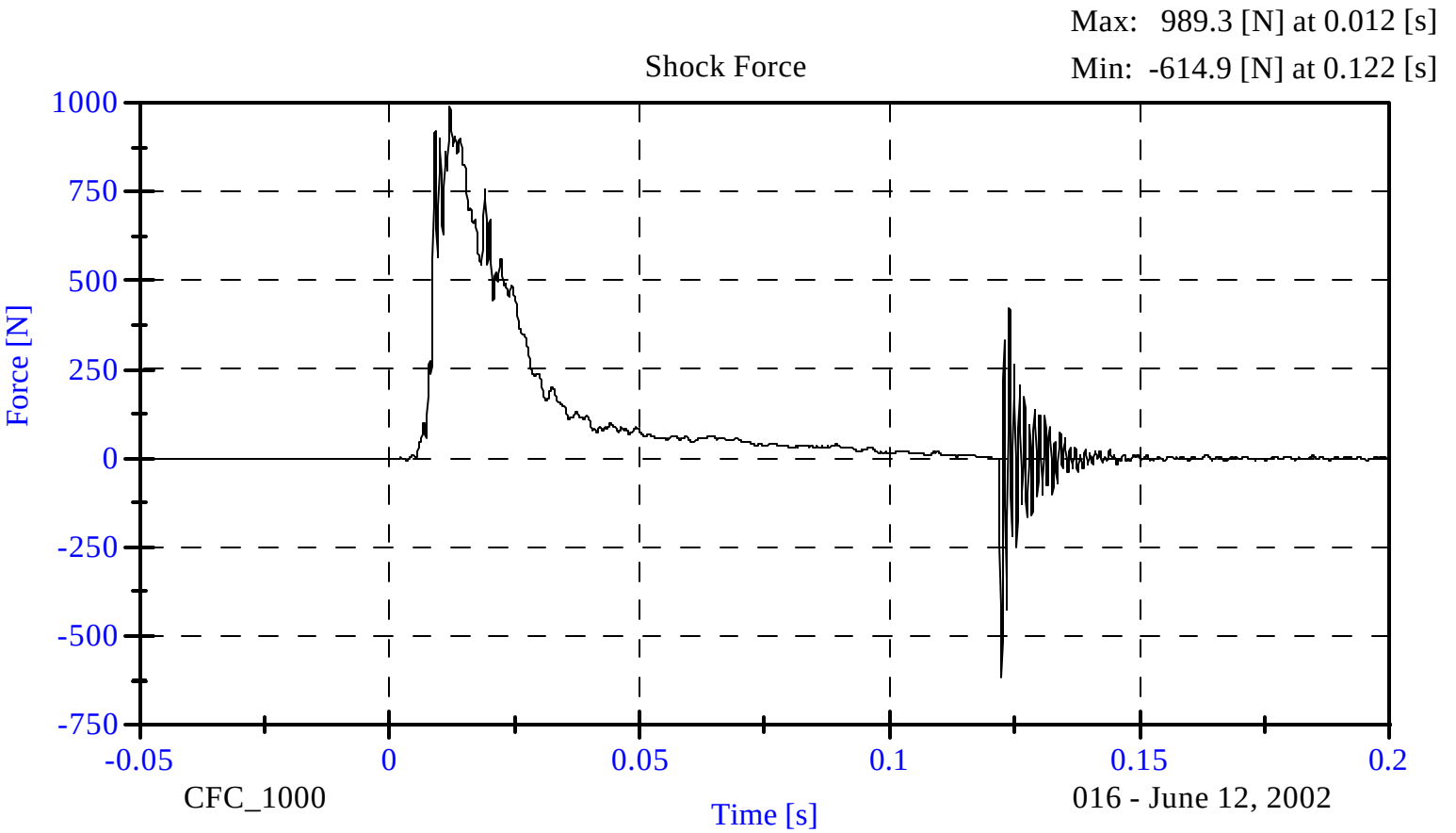
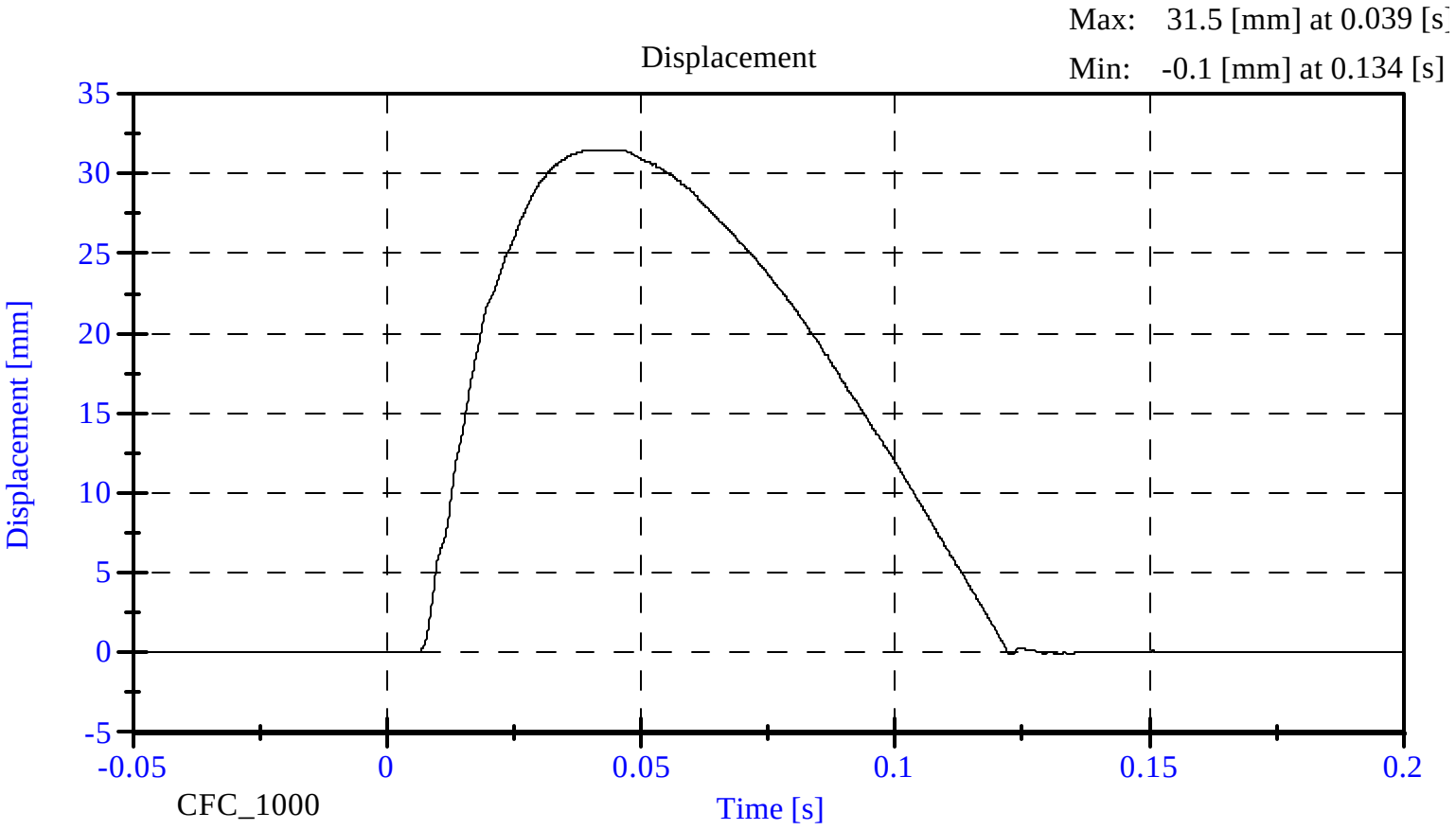
SID H3 Serial No.: 016 Sequential Test Number: 3
Date: June 13, 2002 Laboratory Technician: B. Swiecicki

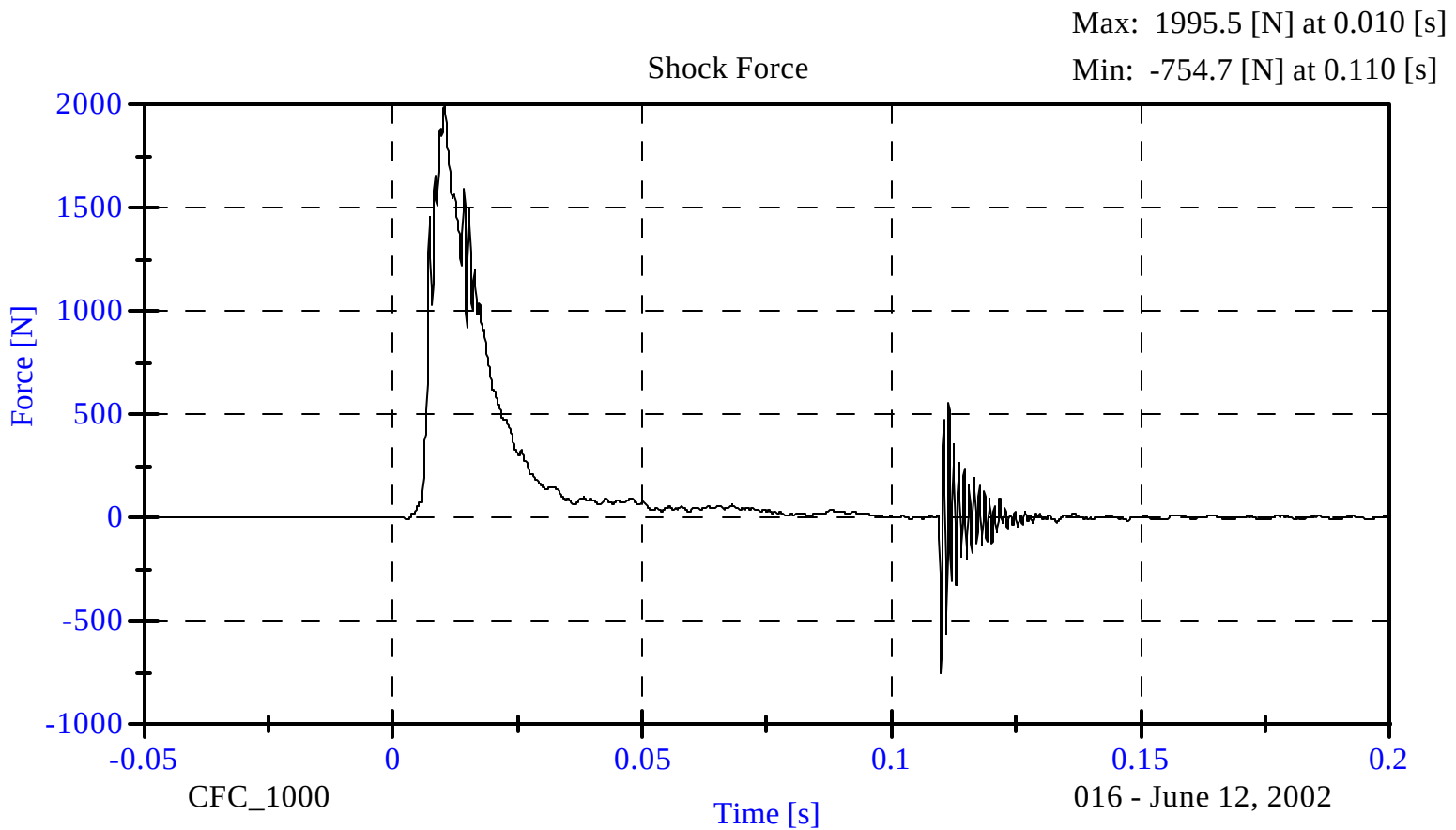
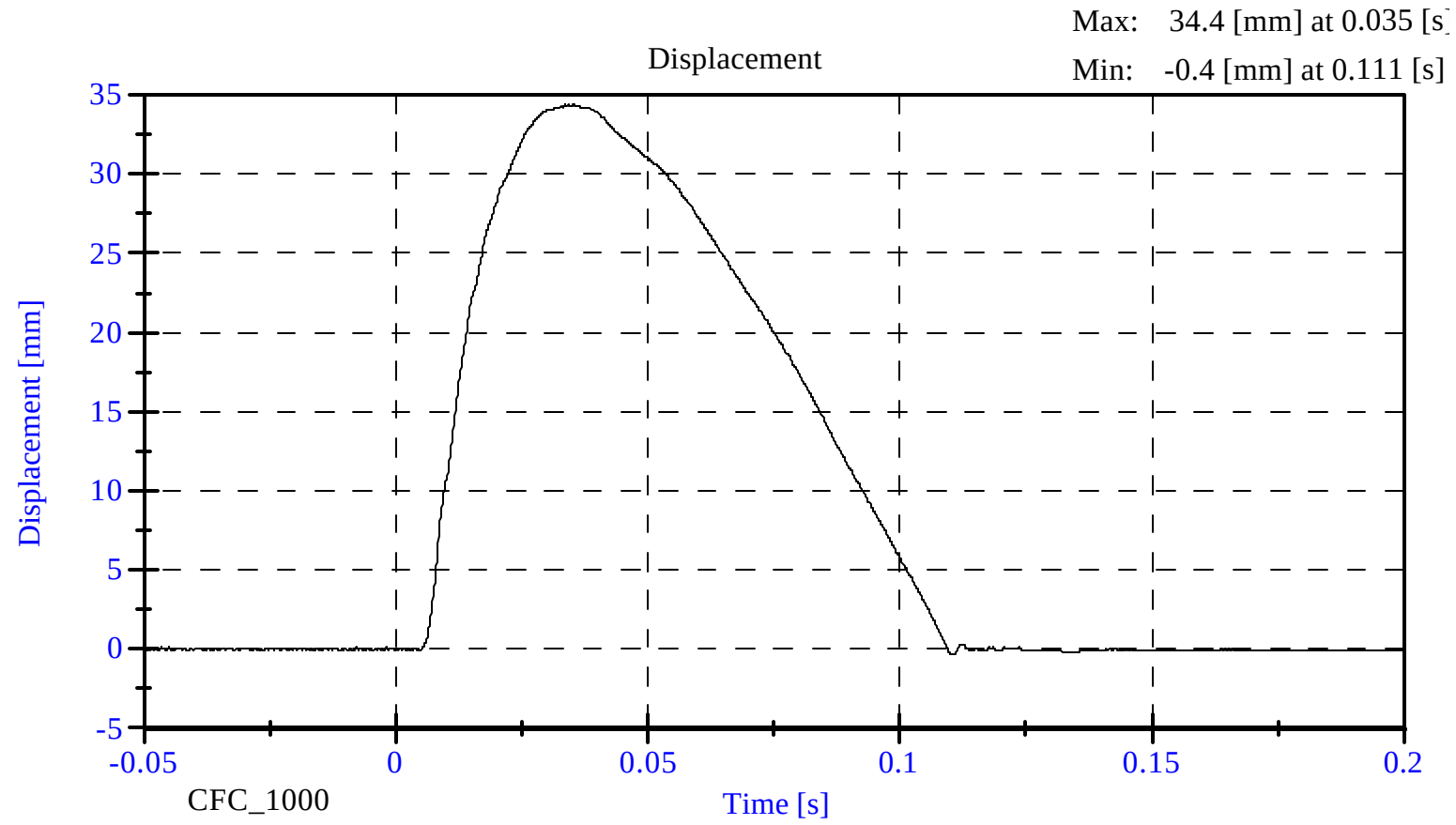
DAMPER IDENTIFICATION: _____

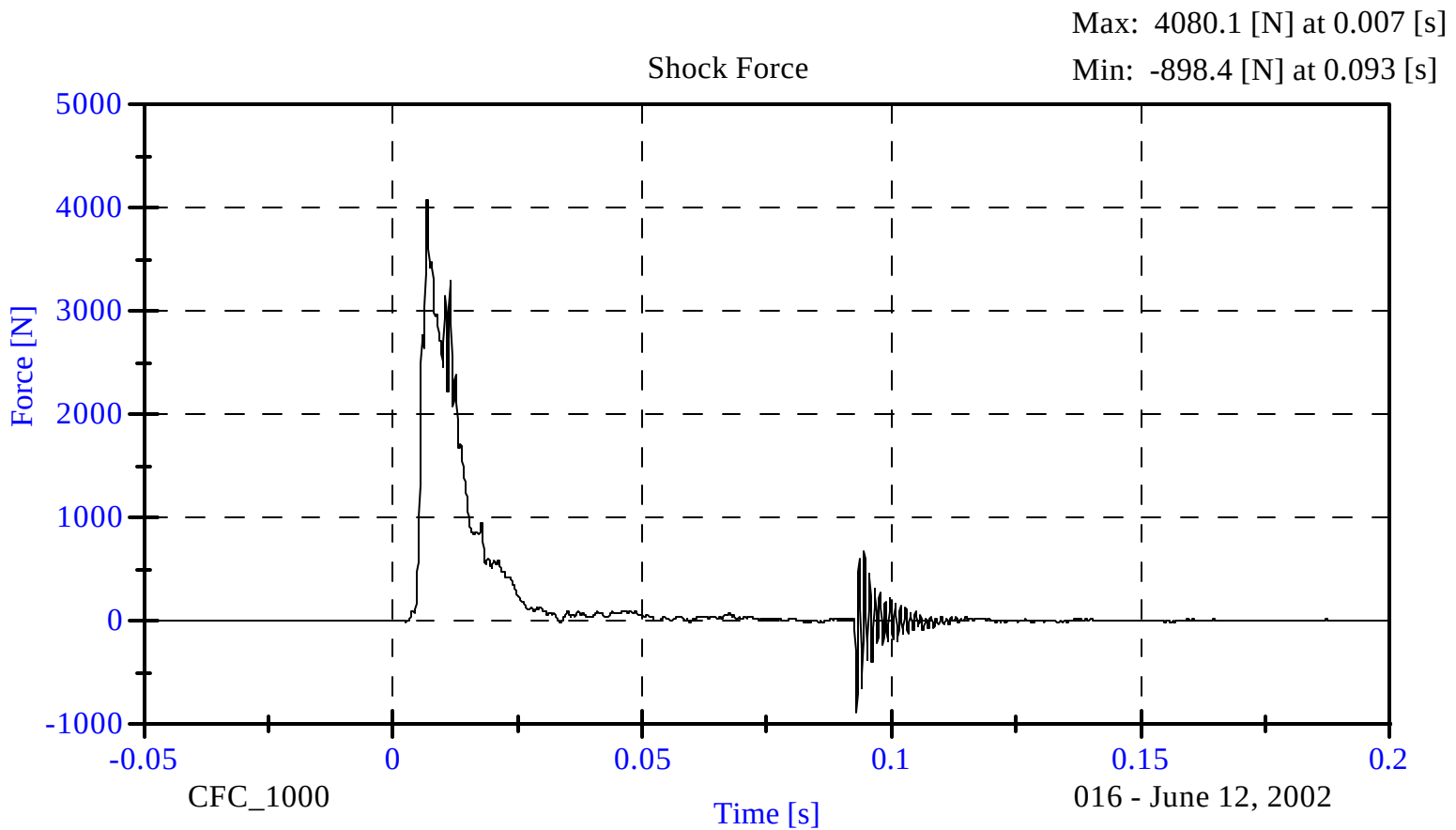
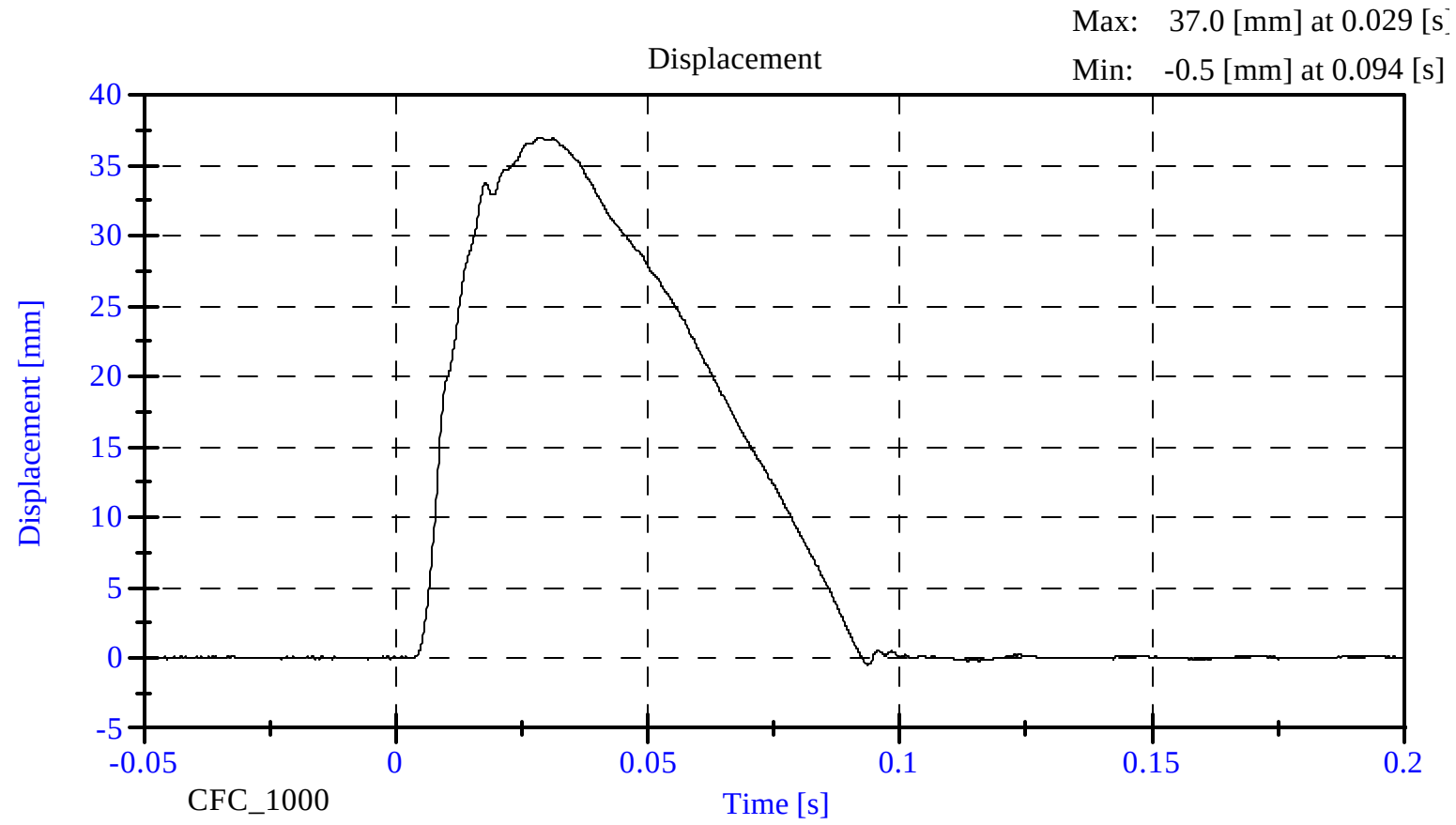
TEST PARAMETER		SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)		18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)		10 - 70	43.0
VELOCITY 3.05 m/s	FORCE (N)	836 - 1125	989.26
	DISPLACEMENT (mm)	30 - 35	31.51
VELOCITY 4.27 m/s	FORCE (N)	1730 - 2099	1995.45
	DISPLACEMENT (mm)	32 - 37	34.37
VELOCITY 6.10 m/s	FORCE (N)	3741 - 4448	4080.09
	DISPLACEMENT (mm)	33 - 40	37.0

DAMPER SETTING: 5

REMARKS: None







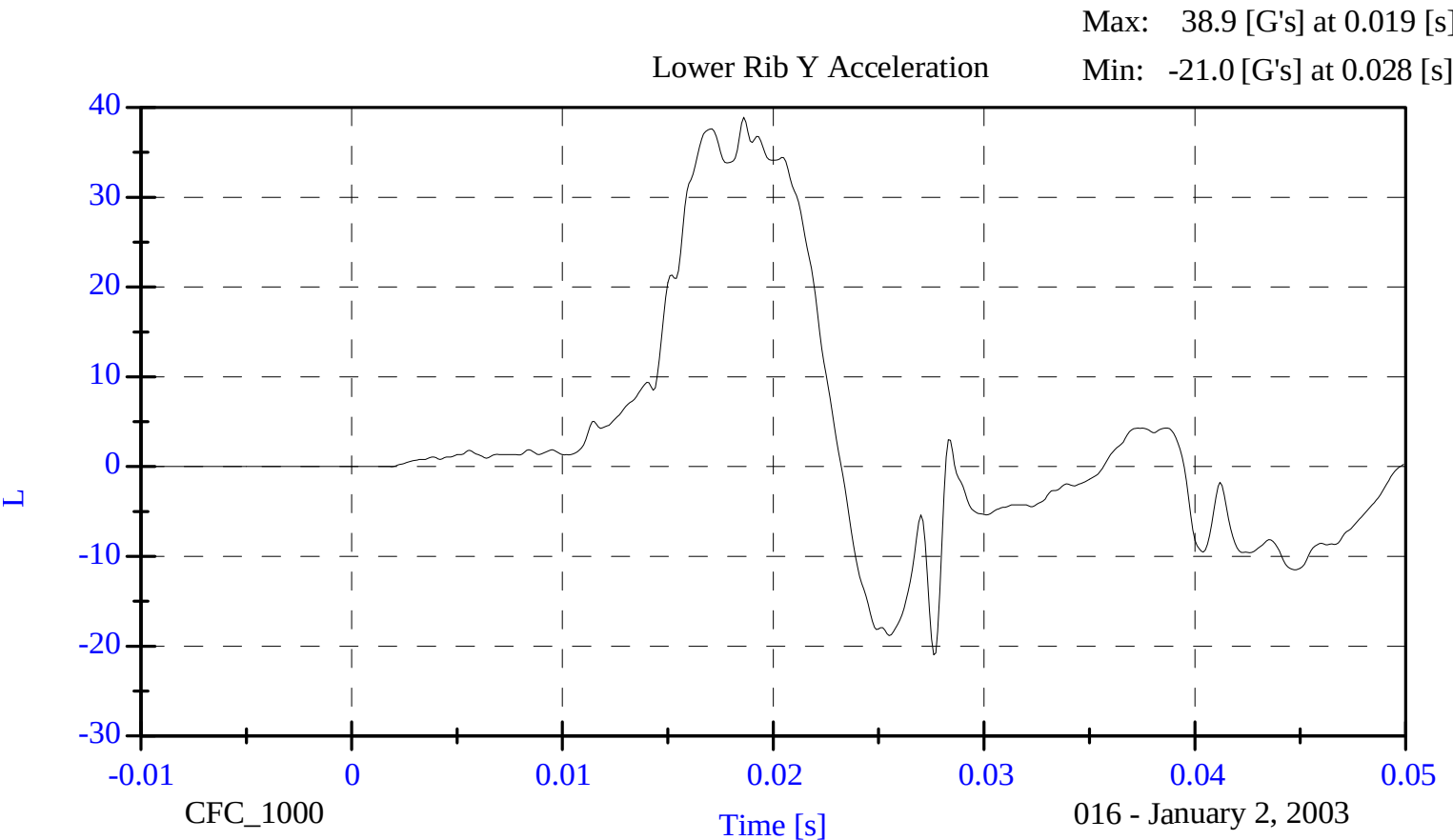
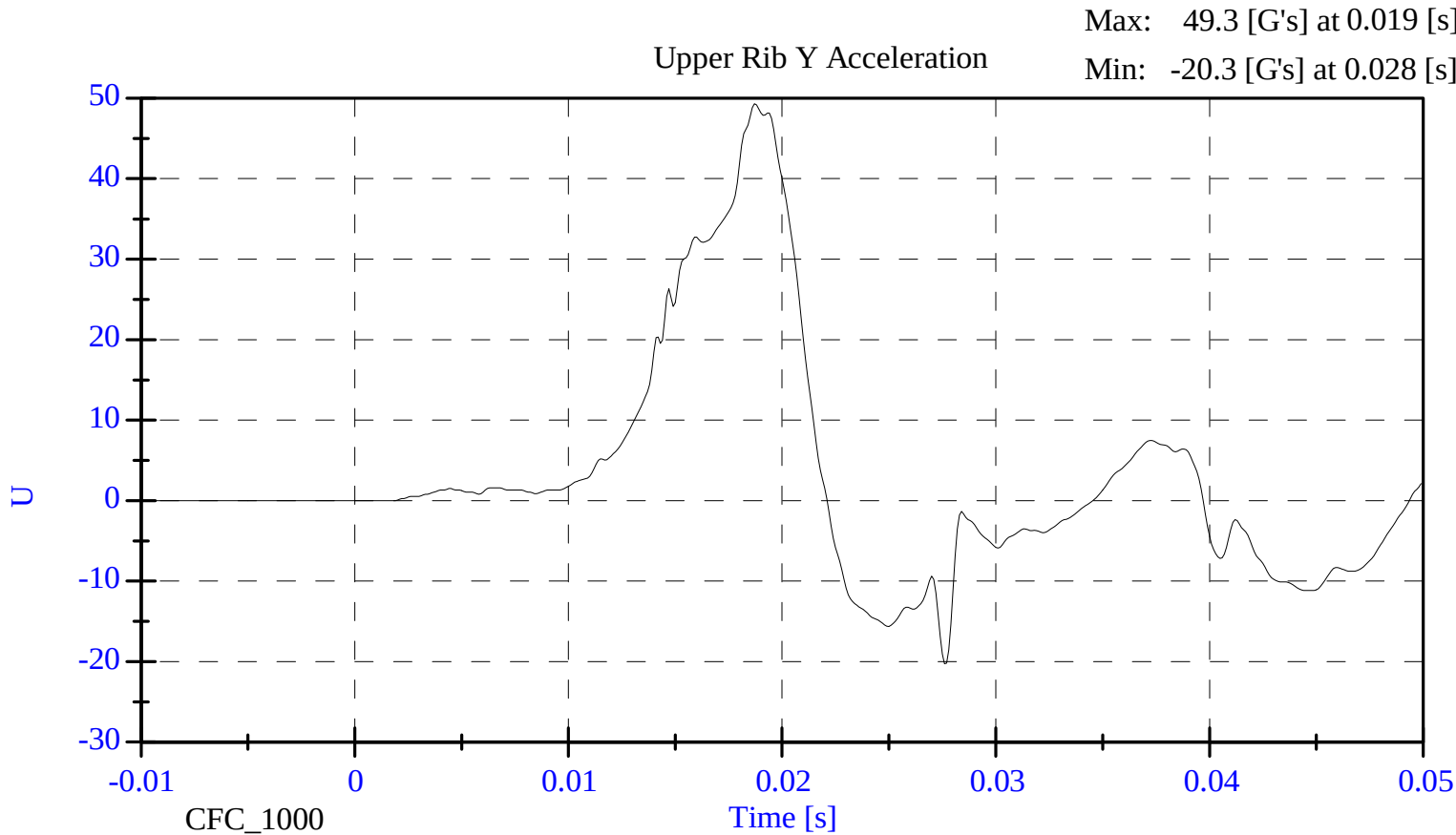
**LATERAL THORAX IMPACT TEST
PRE-TEST**

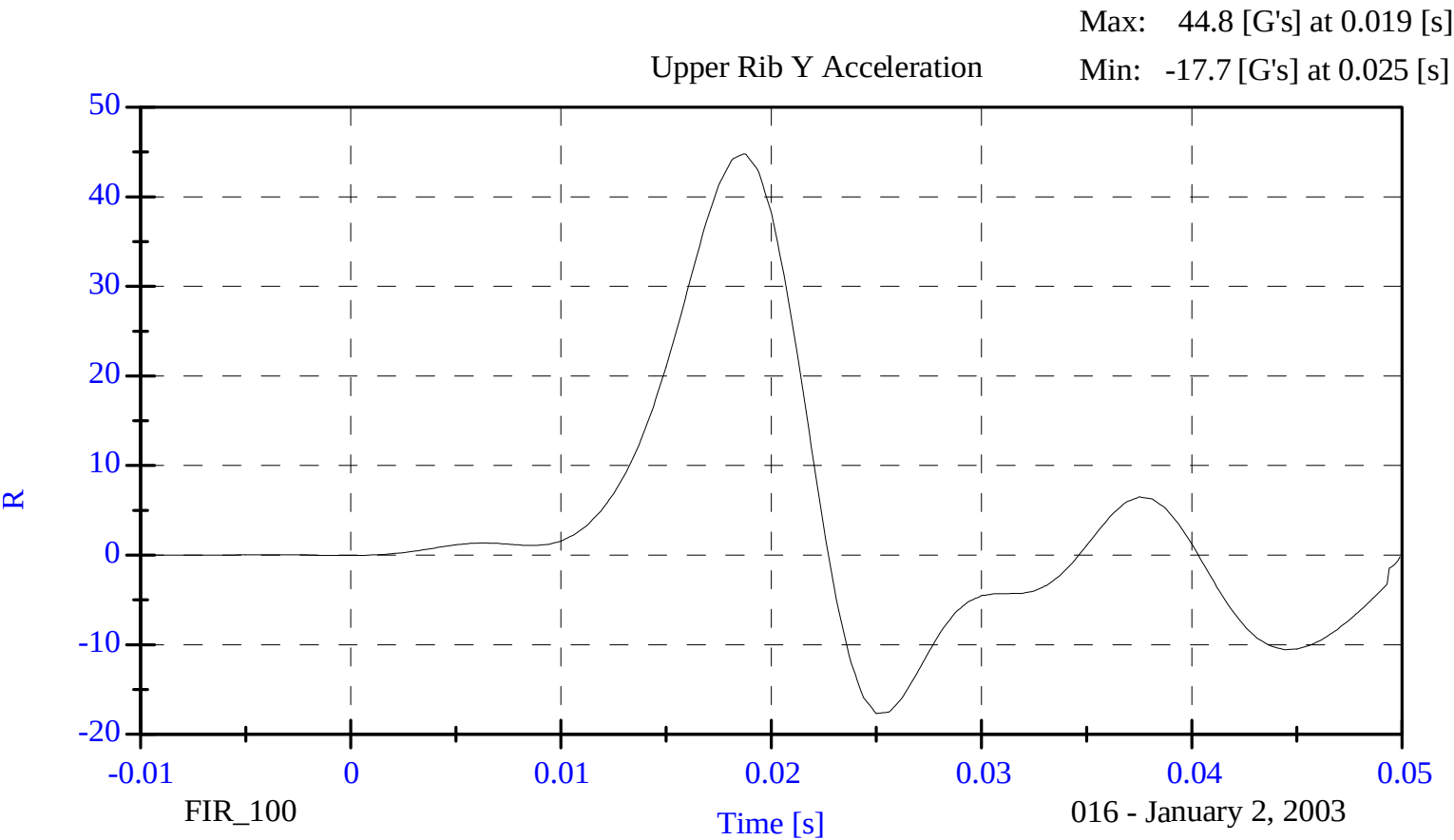
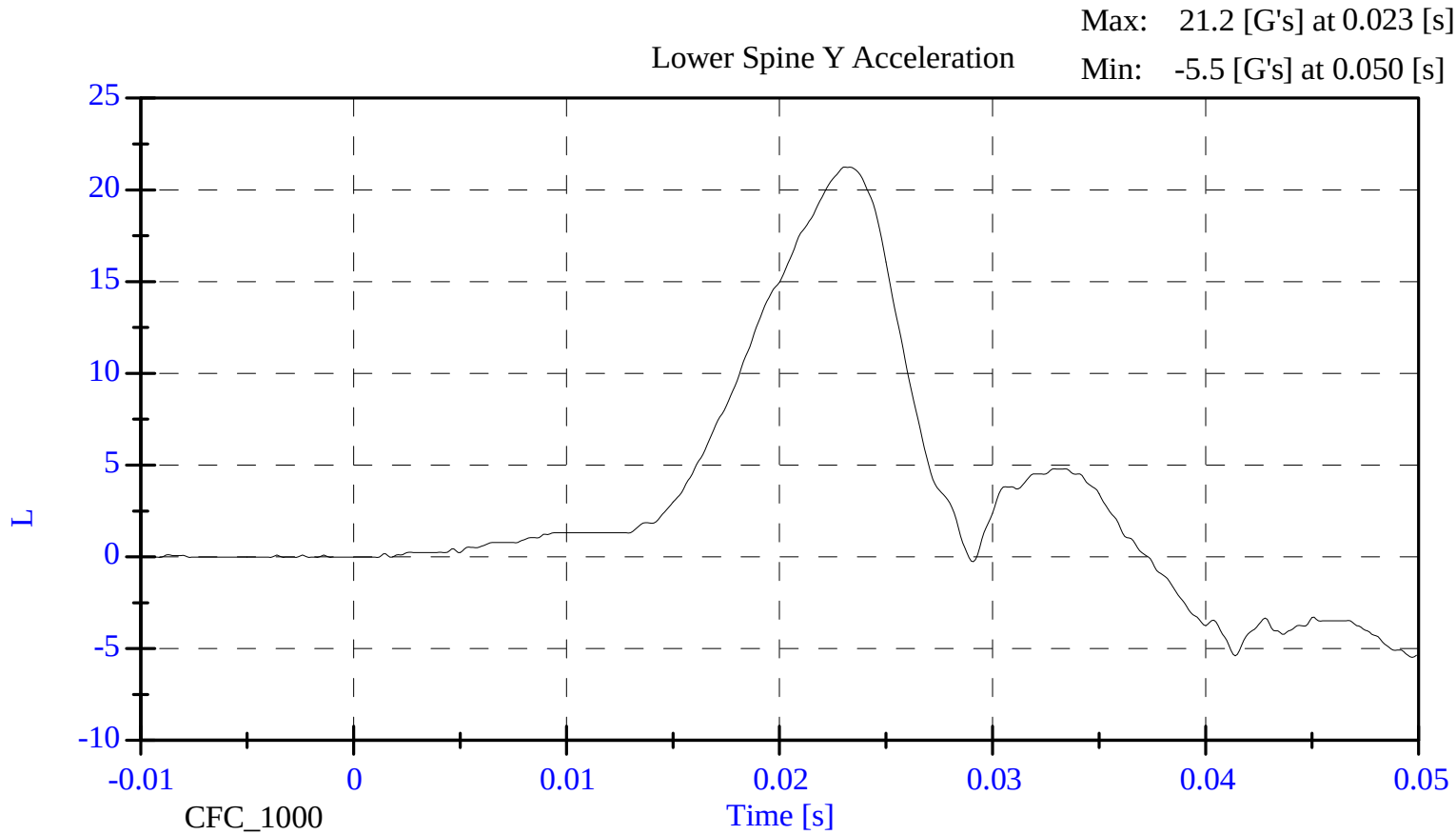
CONFIGURED FOR LEFT SIDE IMPACT

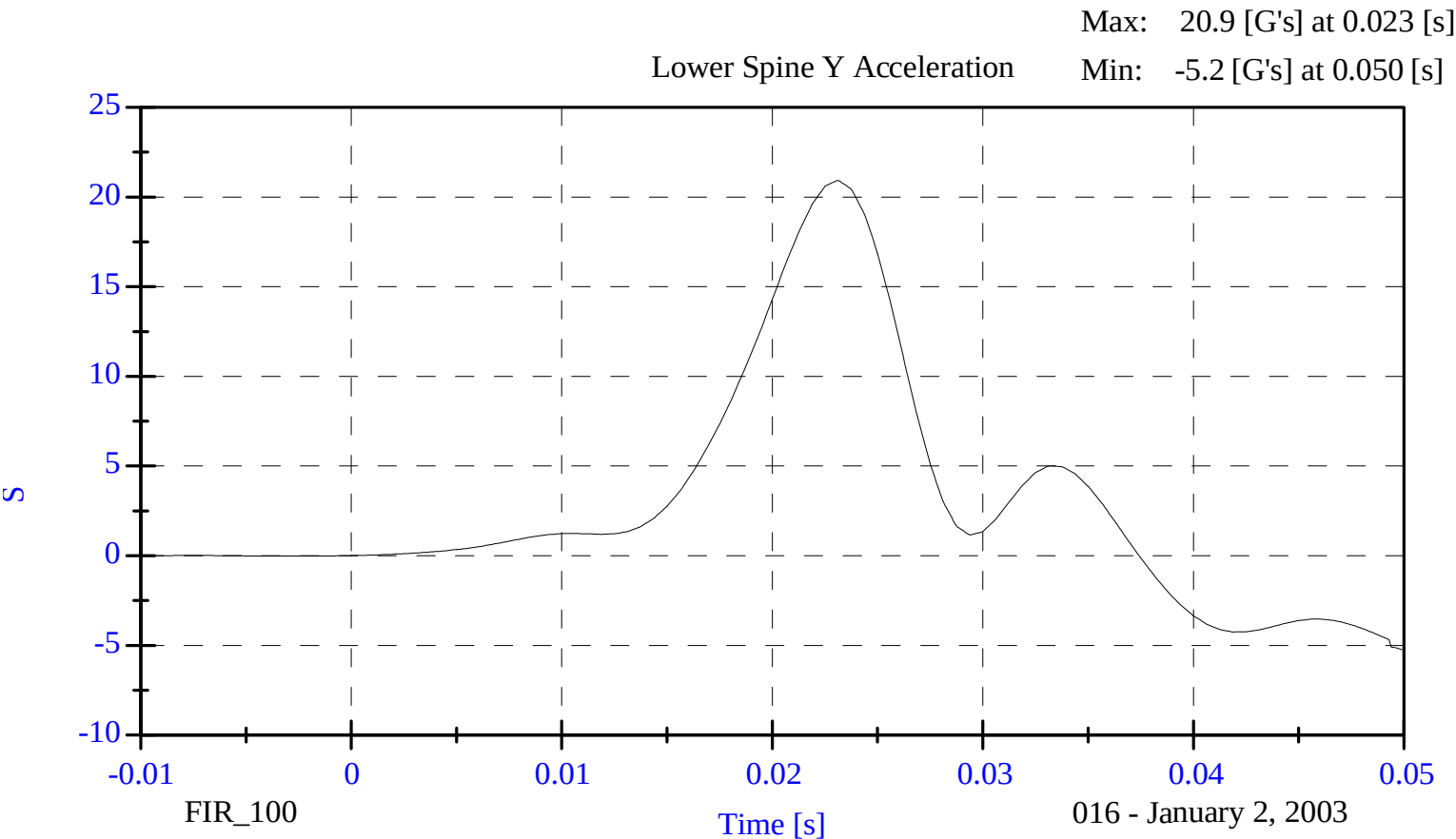
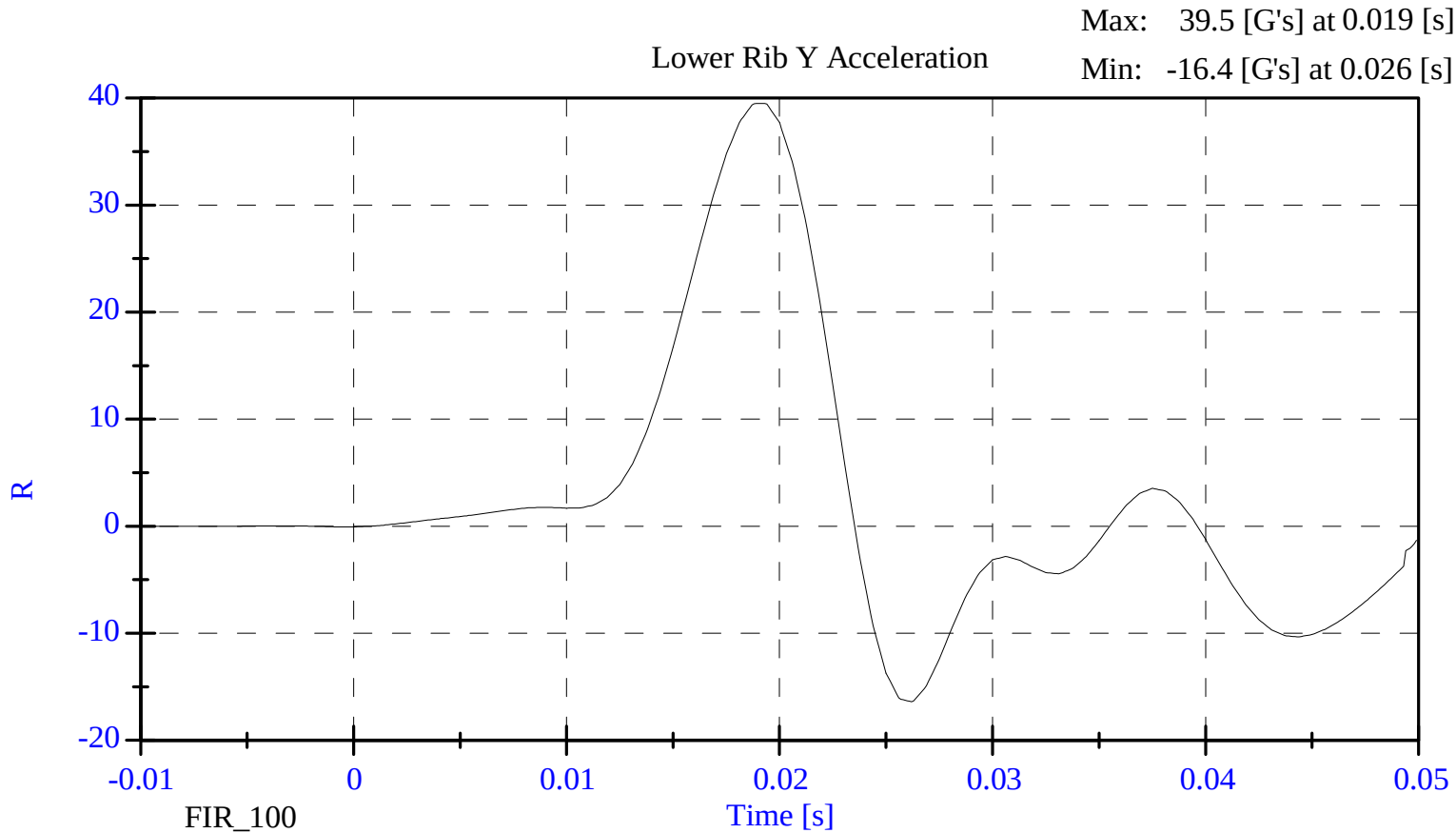
SID H3 Serial No.: 016 Sequential Test Number: 3
Date: January 2, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31.0
PROBE SPEED (m/s)	4.27 - 4.33	4.31
UPPER RIB (g's)	37 - 46	44.82
LOWER RIB (g's)	37 - 46	39.51
LOWER SPINE (g's)	15 - 22	20.93

REMARKS: None







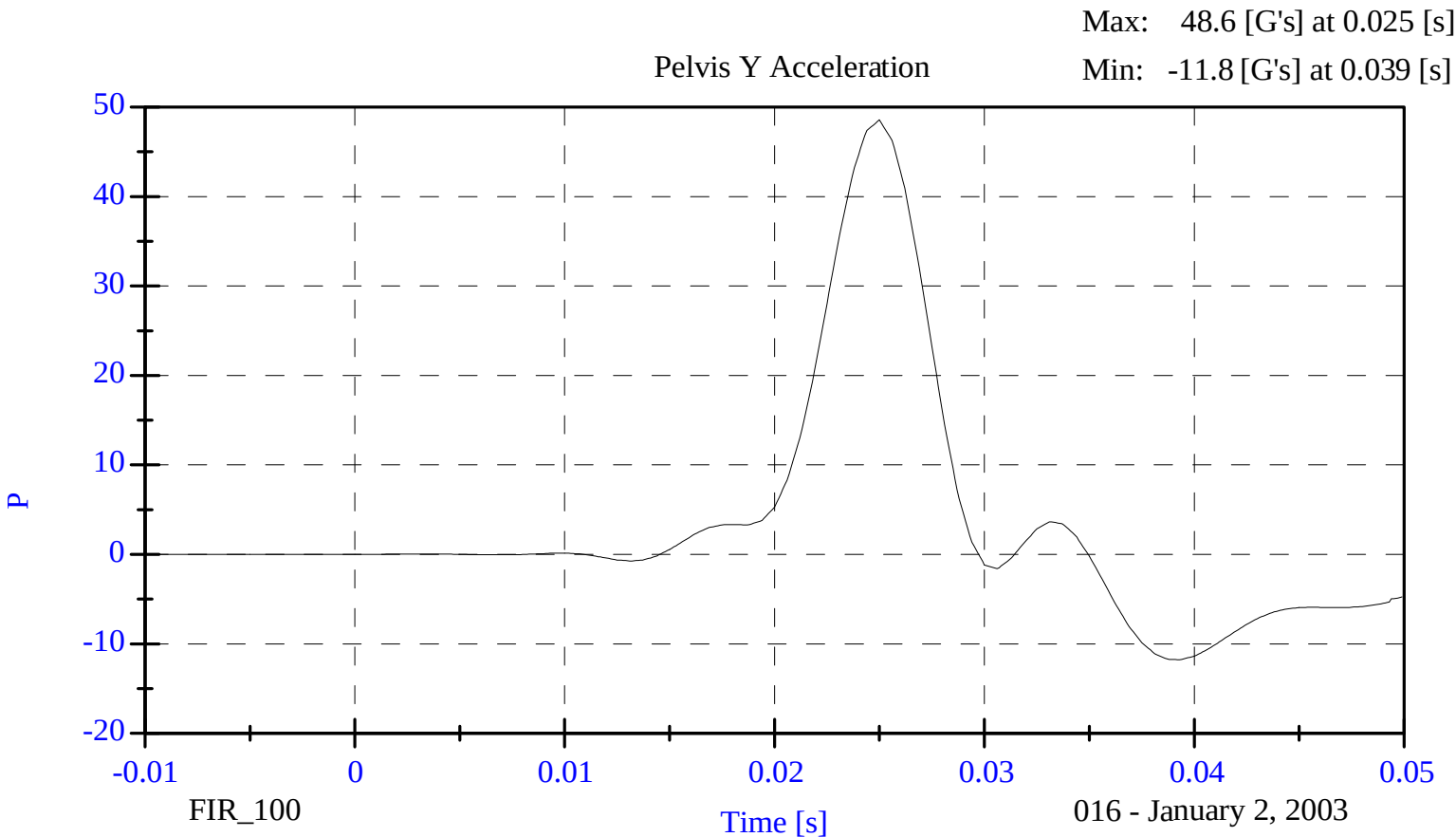
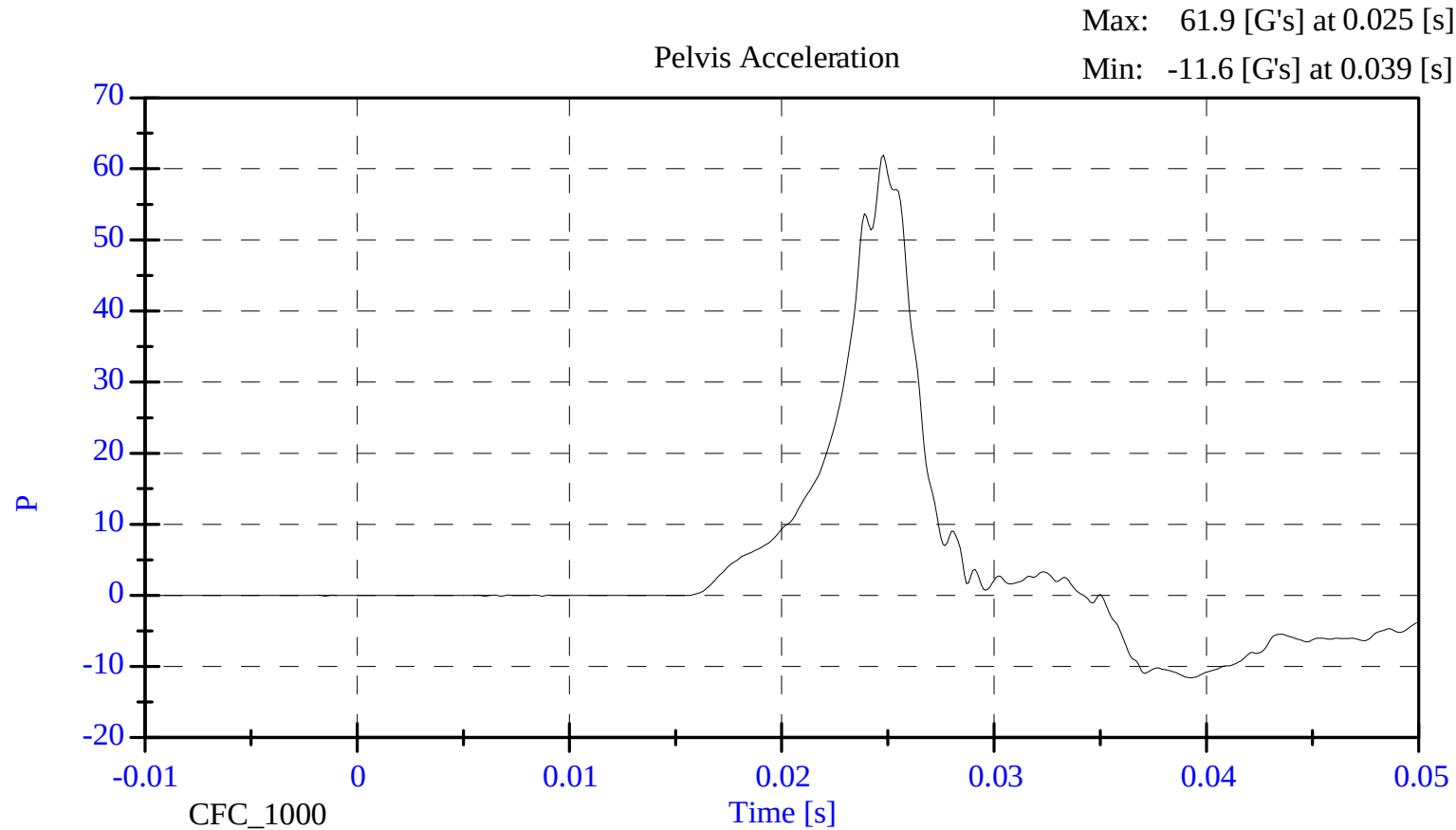
**LATERAL PELVIS IMPACT TEST
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 016 Sequential Test Number: 3
Date: January 2, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	31.0
PROBE SPEED (m/s)	4.27 - 4.33	4.29
PELVIS ACCELERATION (g's)	40 - 60	48.58

REMARKS: None



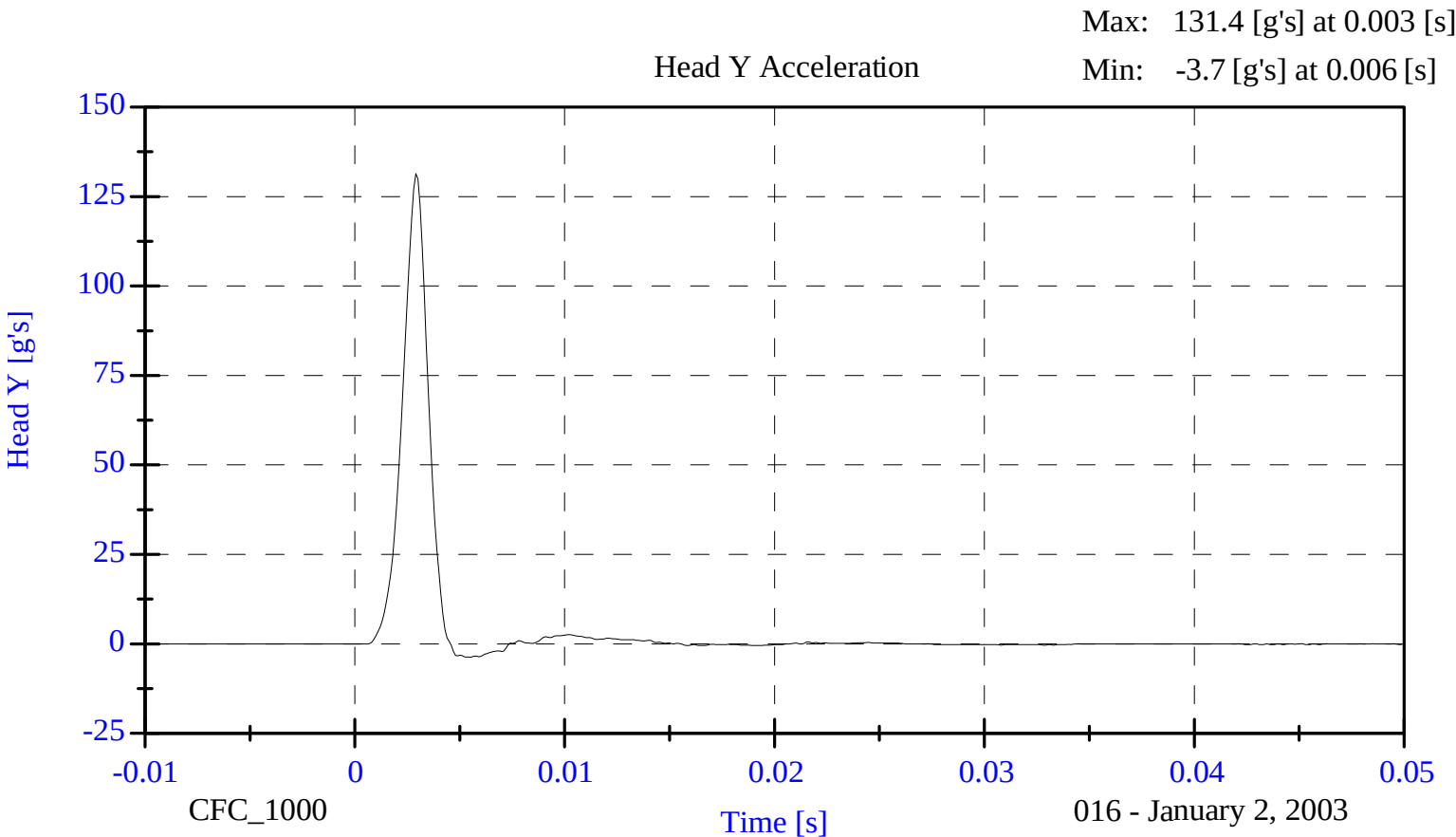
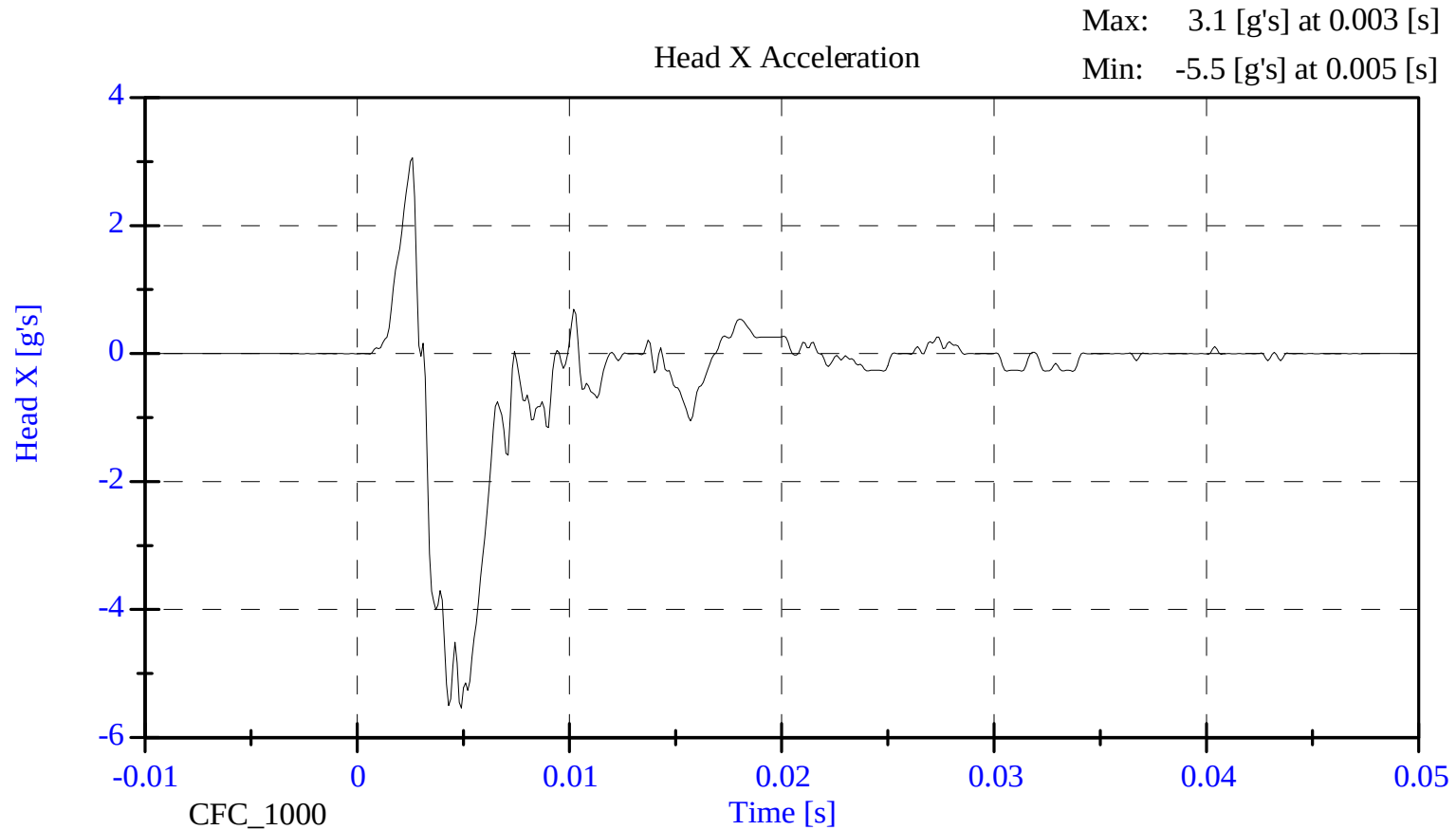
HEAD DROP TEST
PRE-TEST
(Test not required for SID certification)

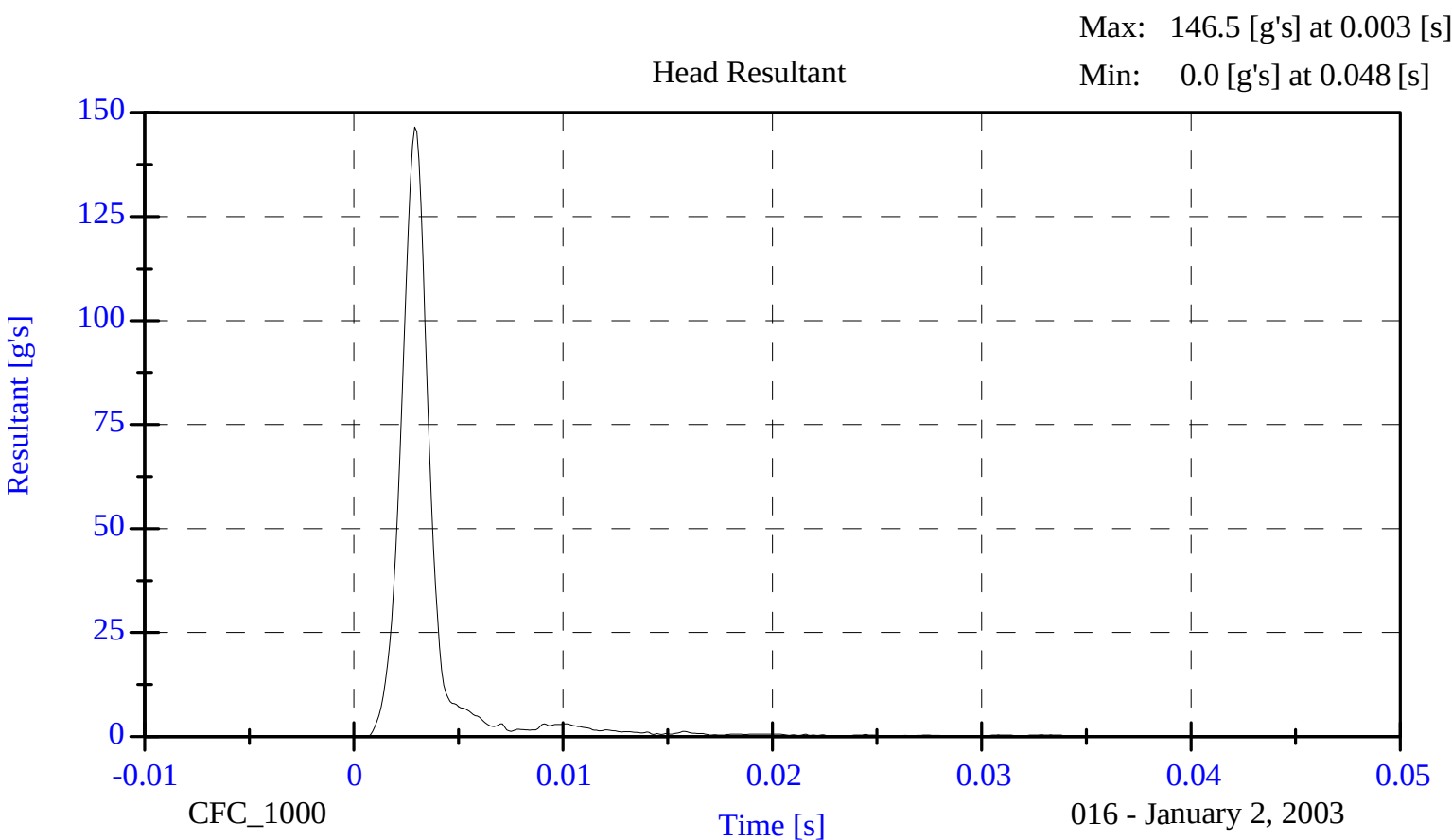
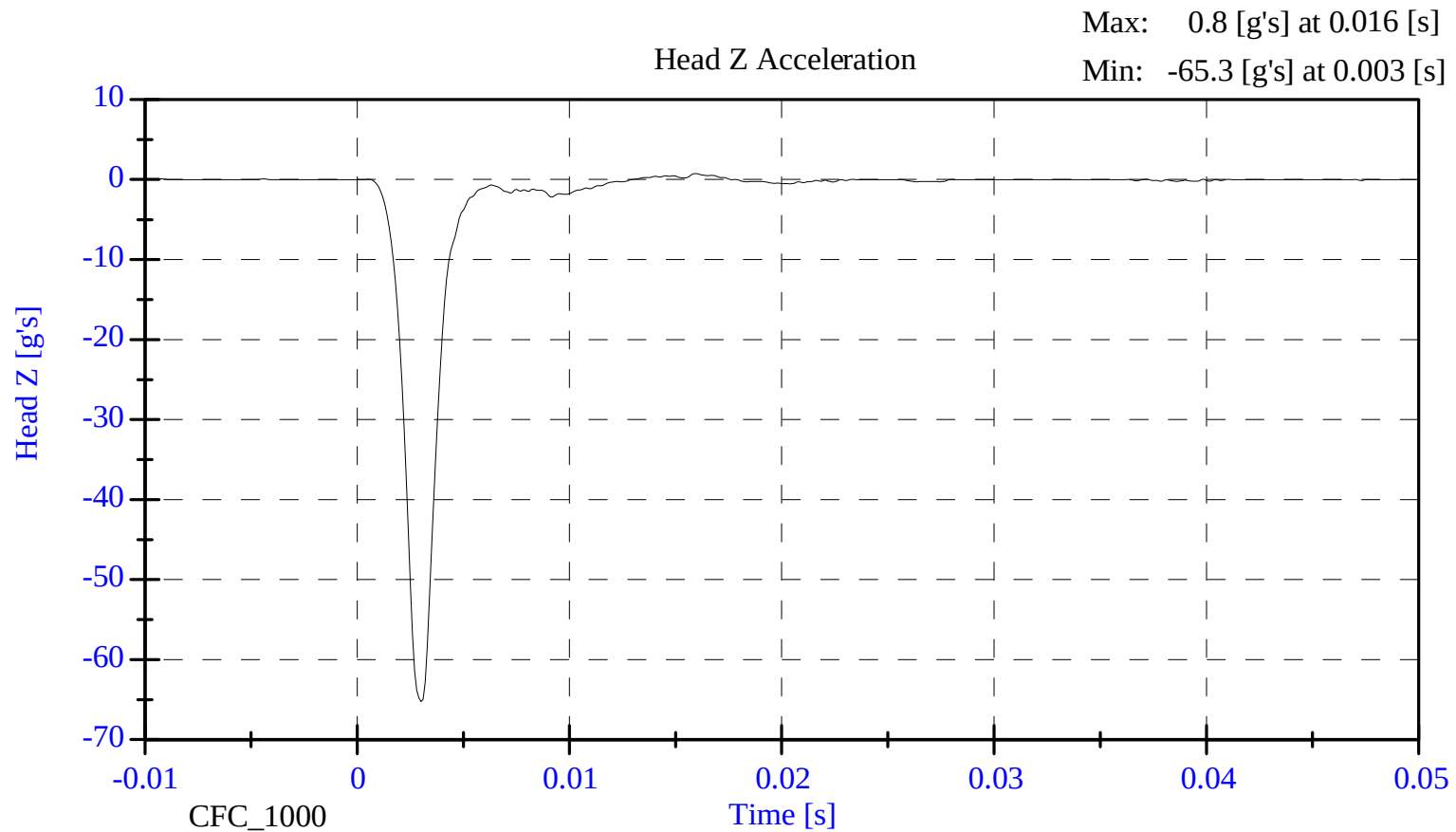
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 016 Sequential Test Number: 3
Date: January 2, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	20.6 – 22.2	21.1
RELATIVE HUMIDITY (%)	10 – 70	31.00
PEAK RESULTANT ACCELERATION (Gs)	120 – 150	146.53
PEAK LATERAL ACCELERATION (Gs)	Not to Exceed 15	3.06
CURVE PERCENT NONMODAL (%)	< 15	2.10

REMARKS: None





016 - January 2, 2003

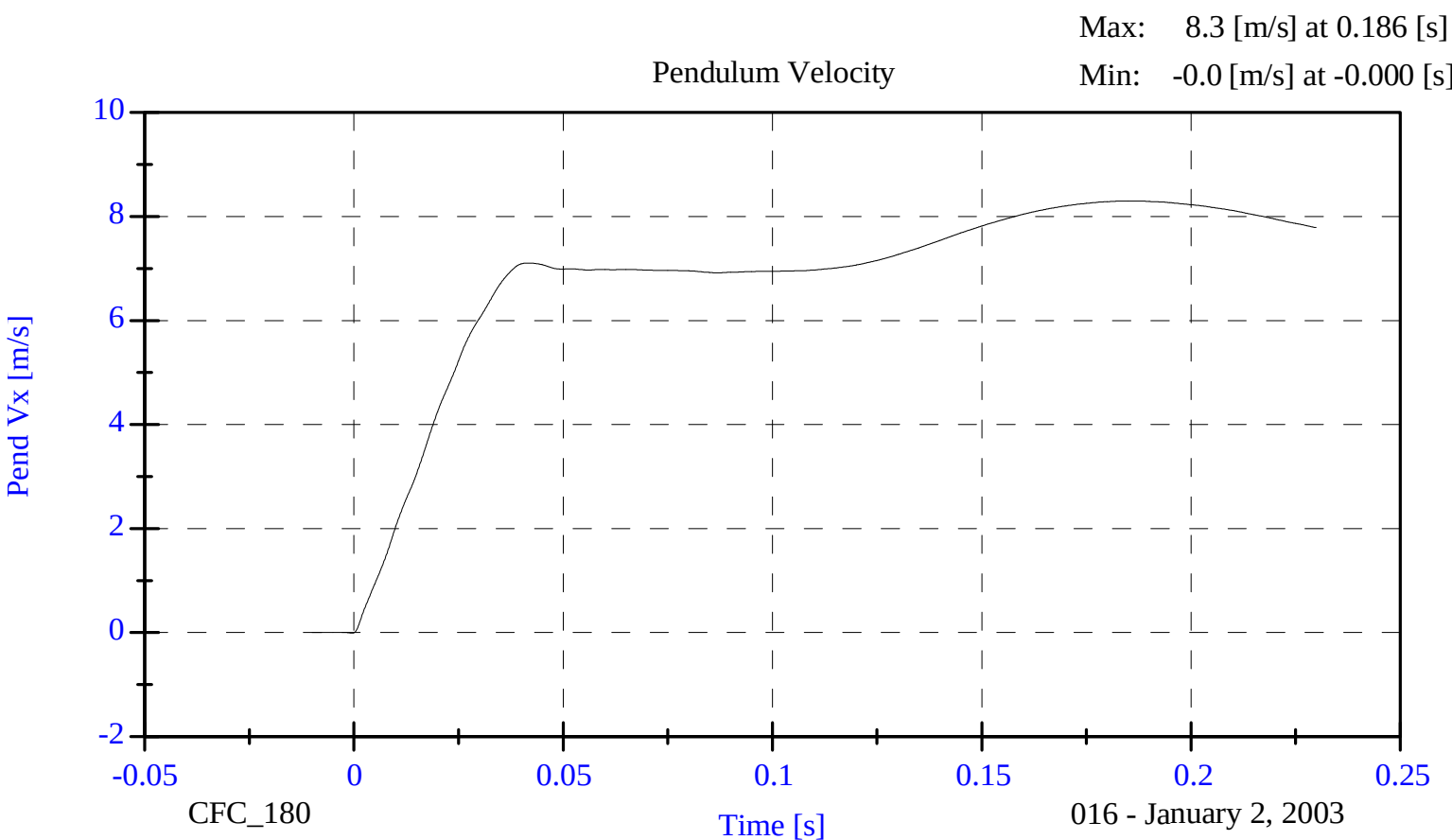
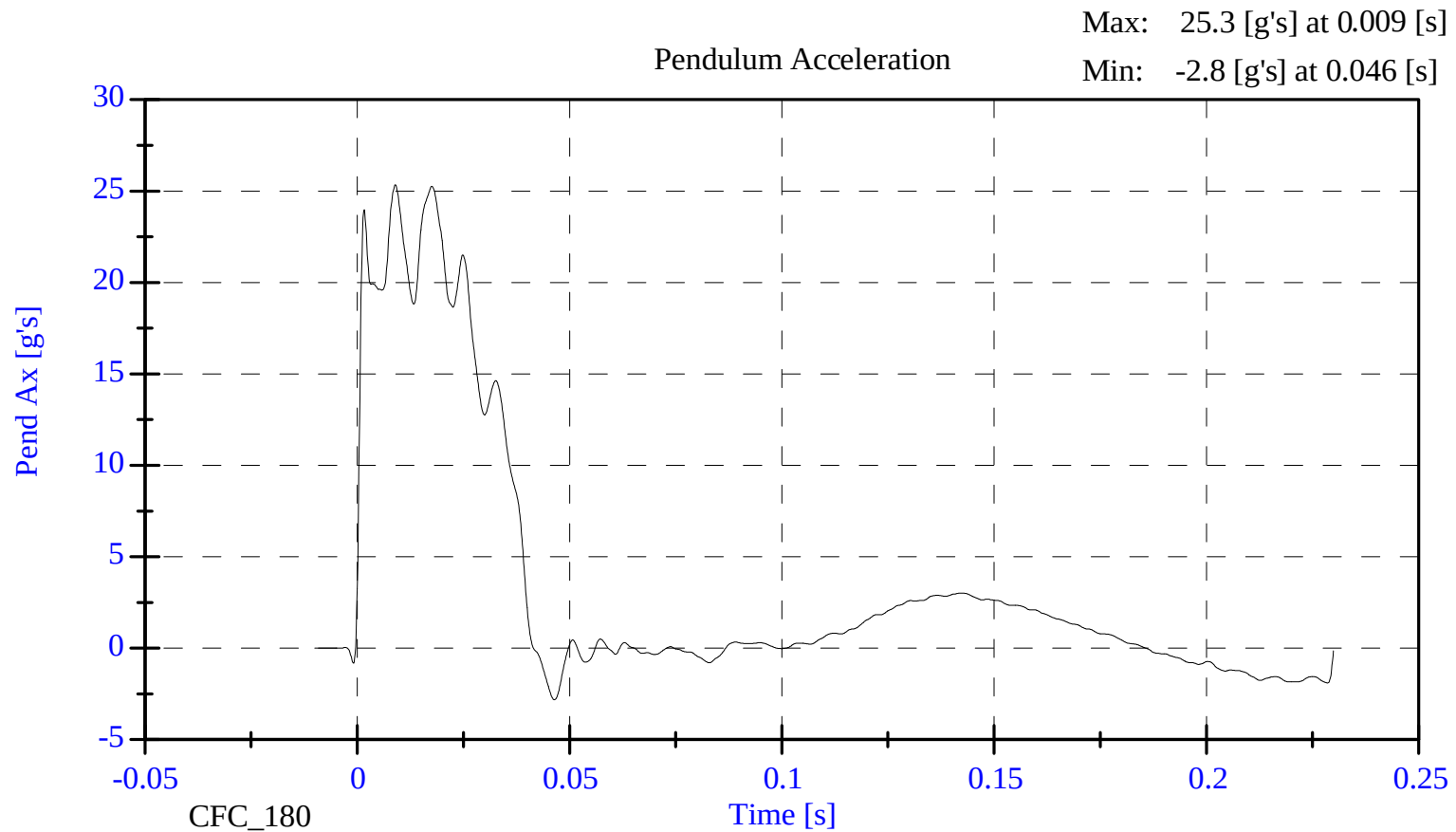
LATERAL NECK BENDING TEST
PRE-TEST
(Test not required for SID certification)

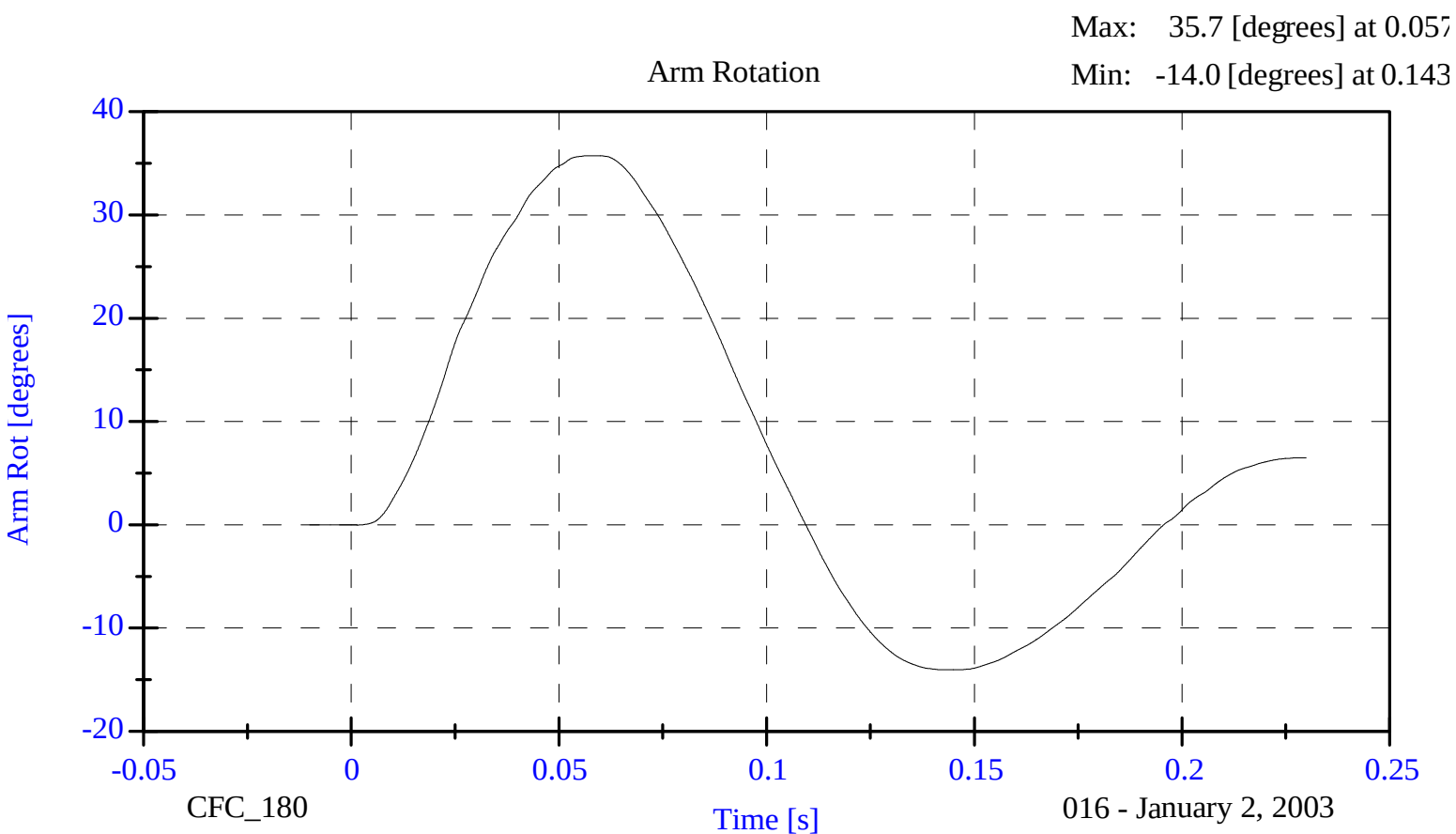
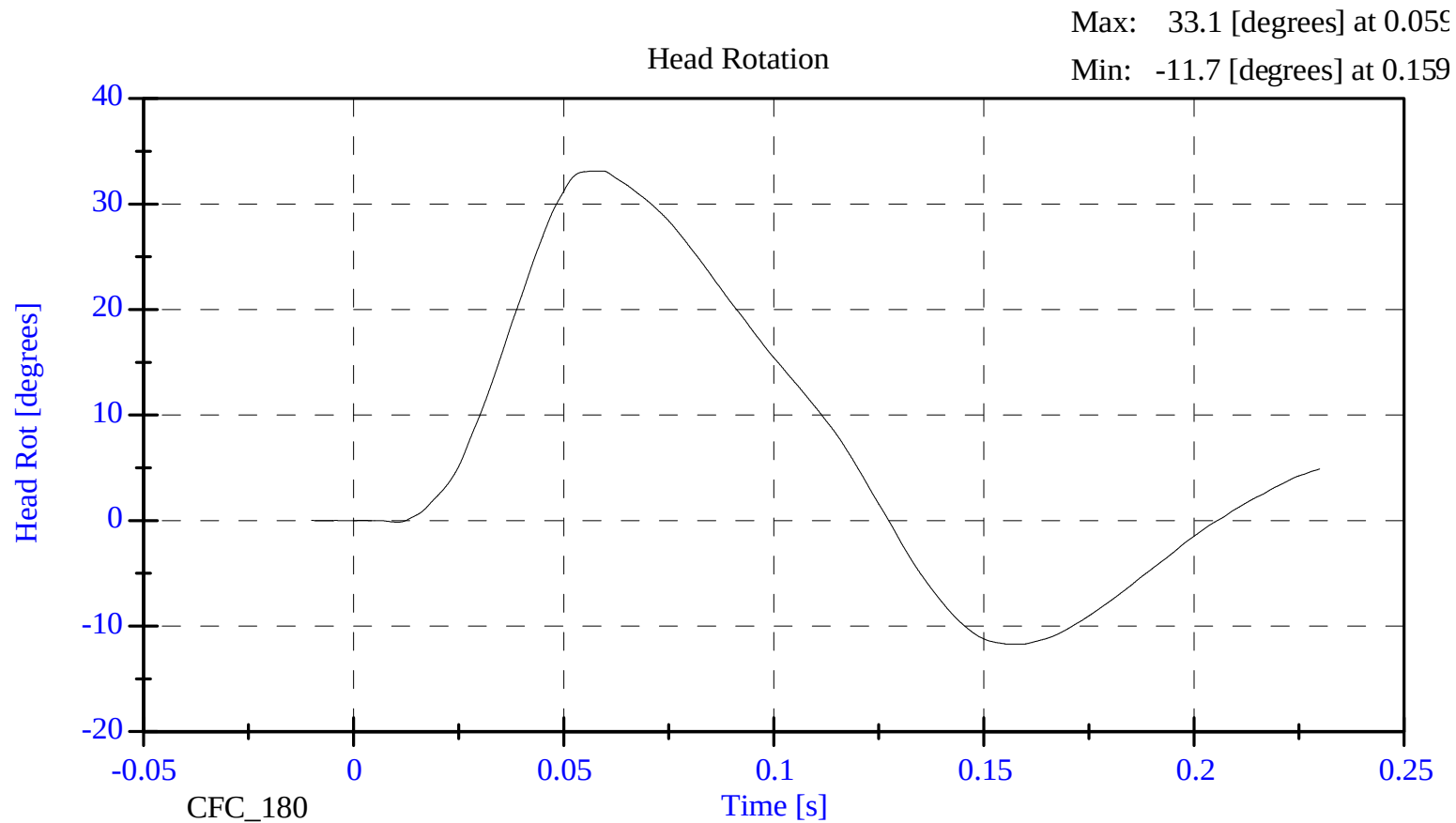
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 016 Sequential Test Number: 3
Date: January 2, 2003 Laboratory Technician: B. Swiecicki

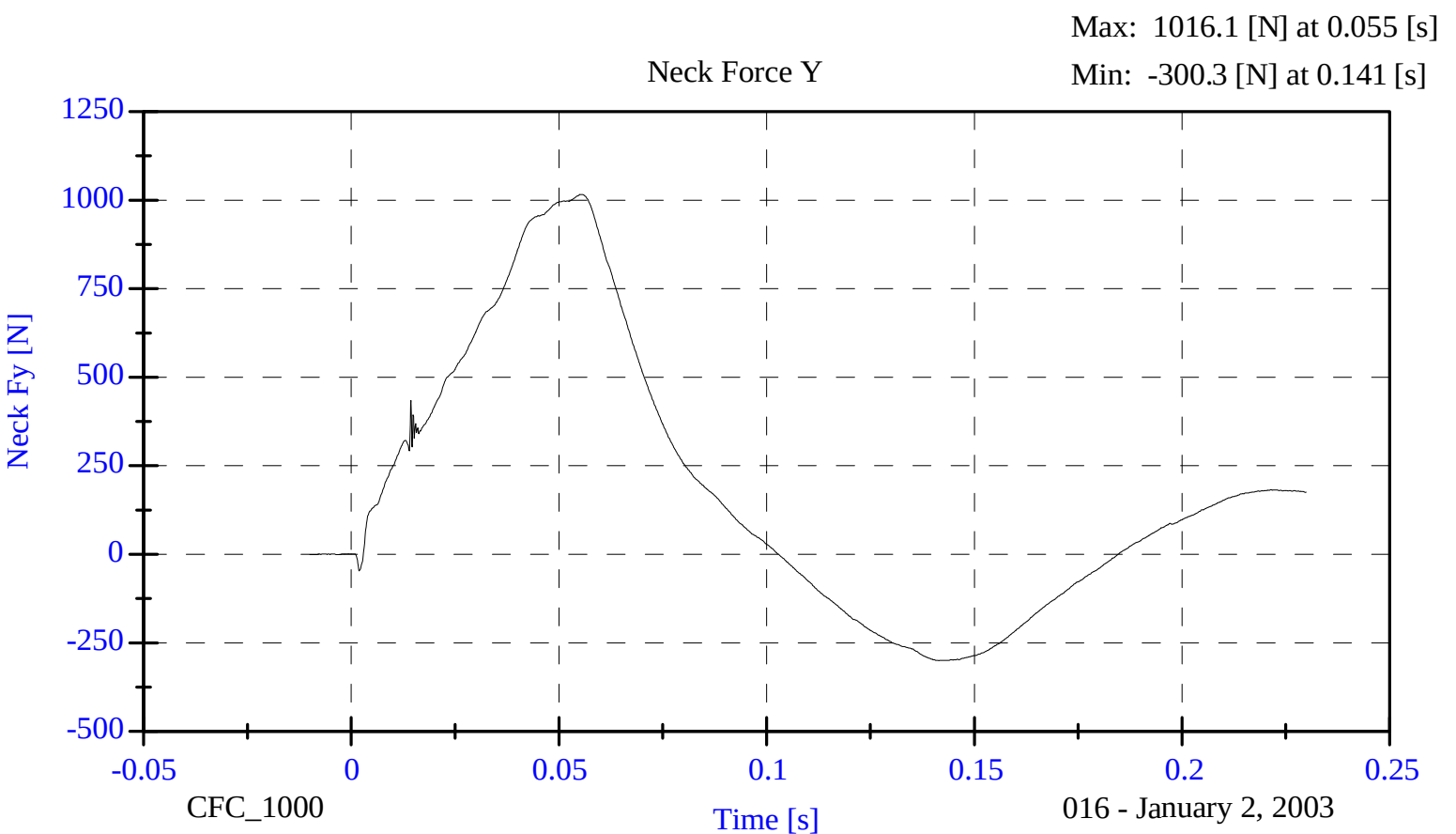
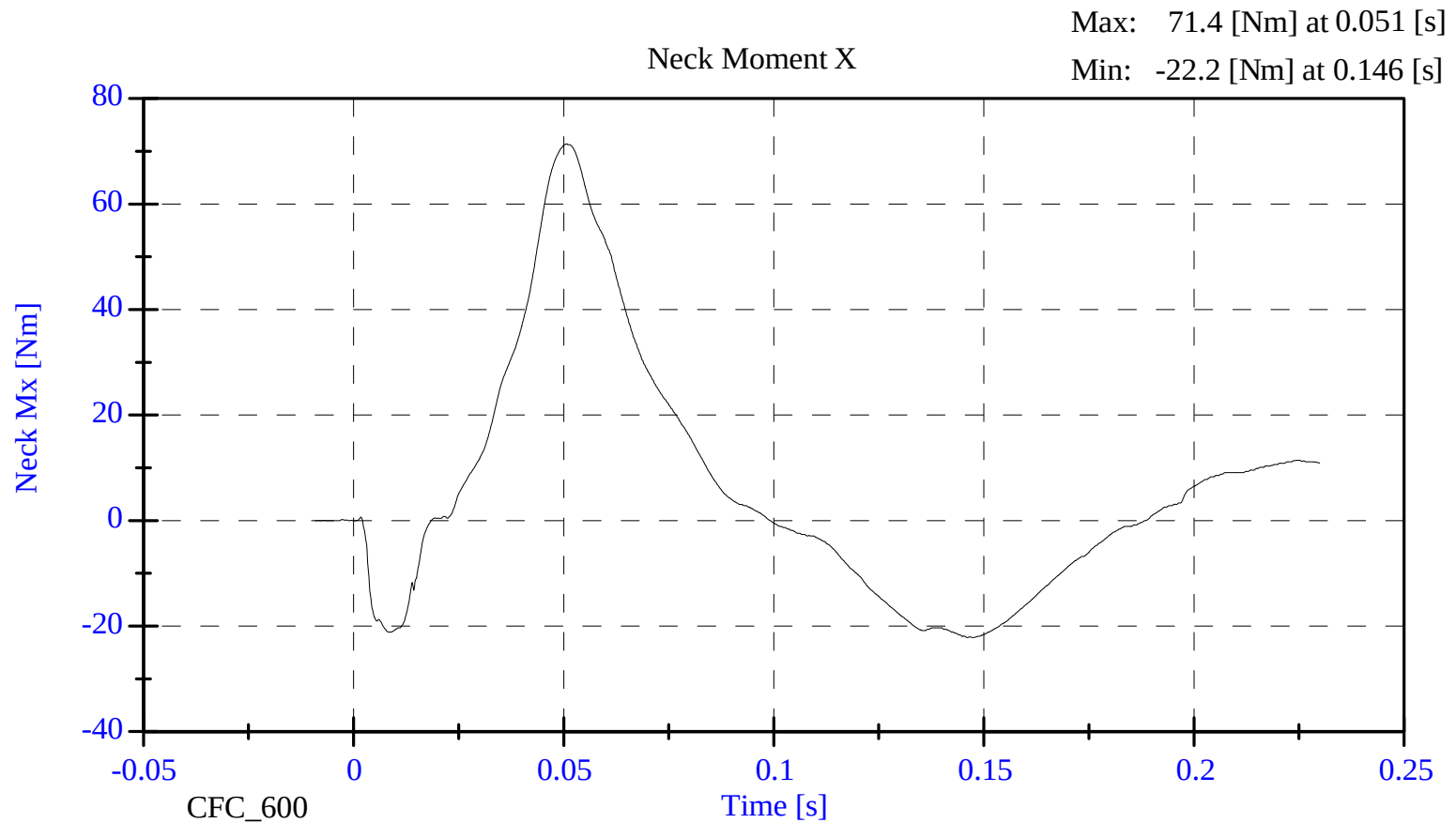
TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	20.6 - 22.2	21.1
RELATIVE HUMIDITY (%)	10 - 70	31.00
IMPACT VELOCITY (m/s)	6.89 – 7.13	7.05
PENDULUM DELTA V		
DELTA V @ 10 ms (m/s)	1.96 – 2.55	2.04
DELTA V @ 20 ms (m/s)	4.12 – 5.10	4.25
DELTA V @ 30 ms (m/s)	5.73 – 7.01	6.04
DELTA V @ 40-70 ms (m/s)	6.27 – 7.64	7.10
D PLANE ROTATION		
MAXIMUM ROTATION (deg)	64 – 78	68.86
ROT. ANGLE TIME to ZERO (ms)	50 – 70	58.80
MOMENT ABOUT THE OCCIPITAL CONDYLE		
MAX OCCIPITAL MOMENT (Nm)	88 – 108	89.11
OCCIPITAL MOMENT DECAY (ms)	40.0 – 60.0	49.40
HEAD ROTATION TIME WITH RESPECT TO THE OCCIPITAL CONDYLE MOMENT		
ROTATION wrt MOMENT (ms)	0 – 20	8.40

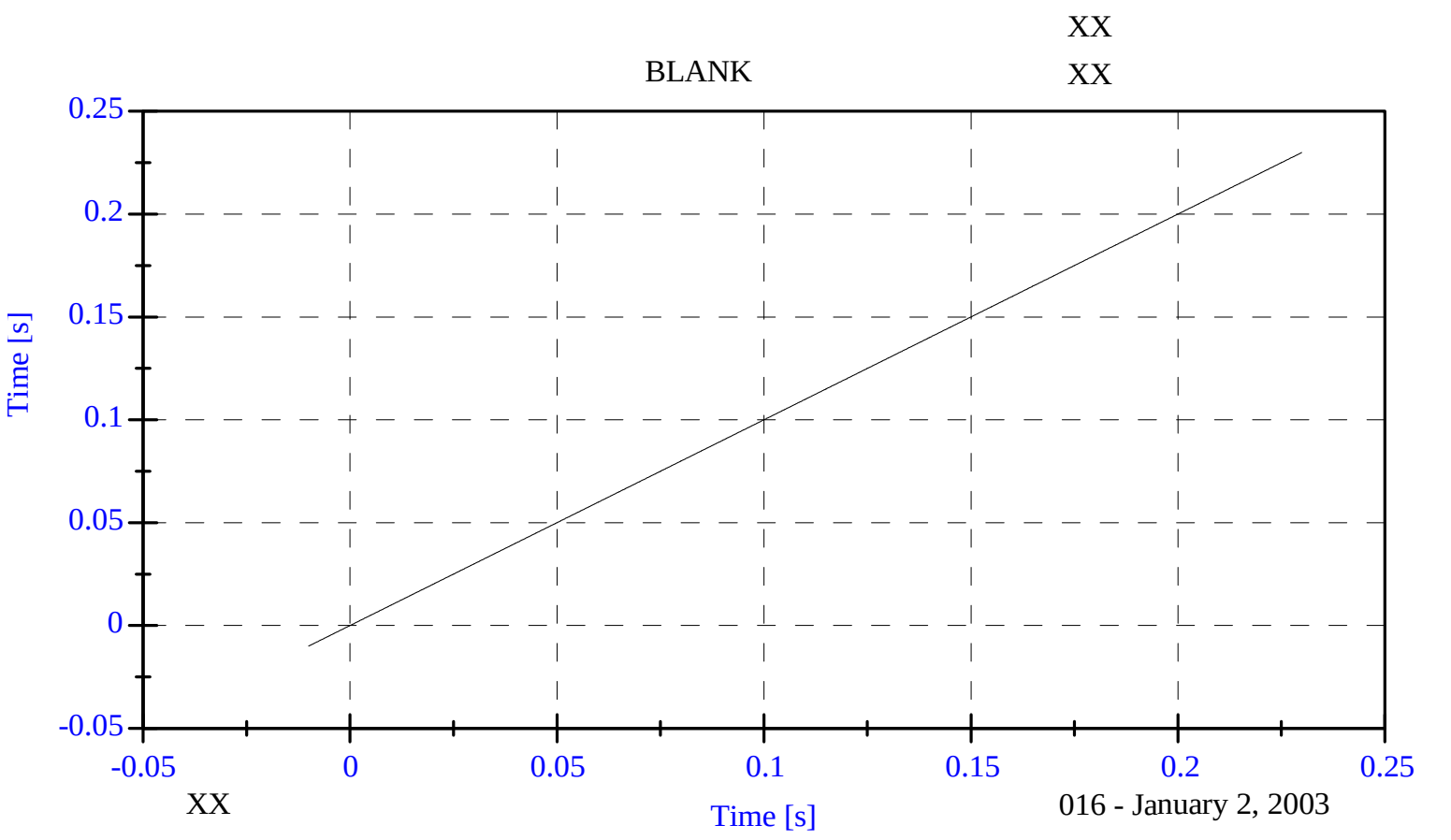
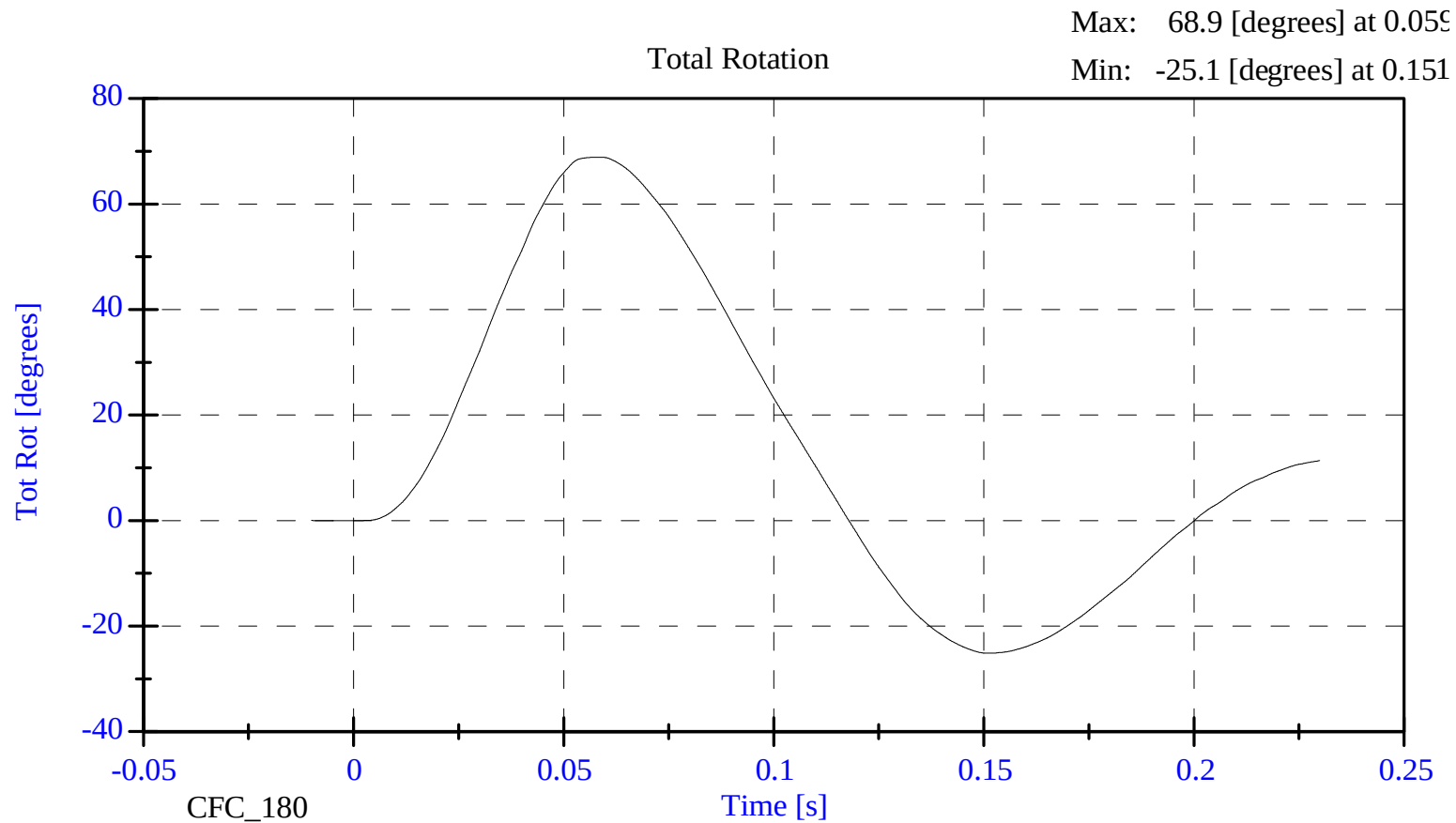
REMARKS: None





016 - January 2, 2003





**ABDOMINAL COMPRESSION TEST
PRE-TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 016 Sequential Test Number: 2
Date: January 2, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	32.0
FORCE @ 13 mm (N)	104 - 162	124.6
FORCE @ 19 mm (N)	163 - 221	173.5
FORCE @ 25 mm (N)	222 - 280	249.1
FORCE @ 33 mm (N)	325 - 391	347.0

REMARKS: None

ORIGINAL

Dummy S/N 016

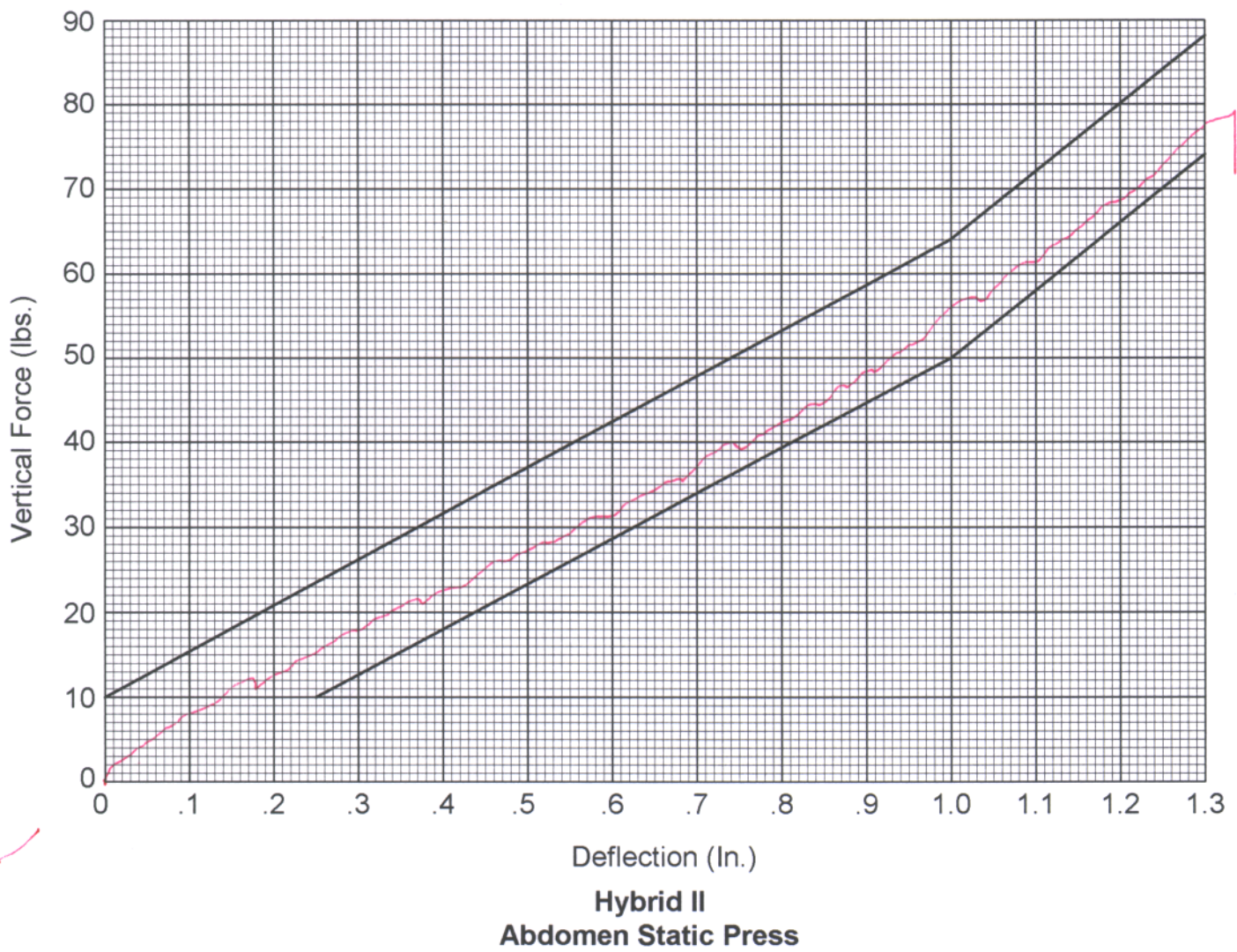
W/A _____

Date 1-02-03

Performed By [Signature]

Temp. 70°

Humidity 32%



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

CONFIGURED FOR LEFT SIDE IMPACT

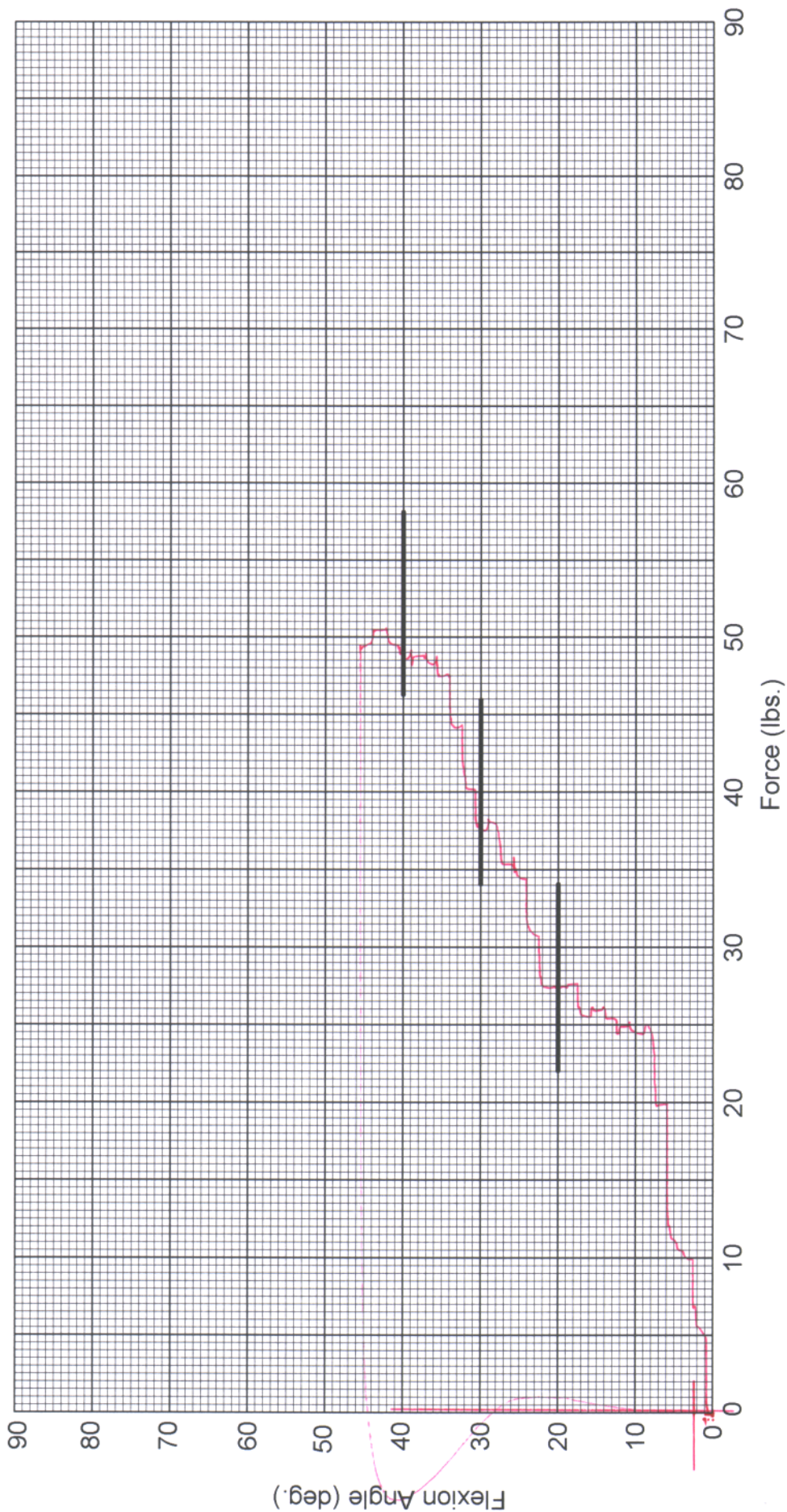
SID H3 Serial No.: 016 Sequential Test Number: 3
Date: January 2, 2003 Laboratory Technician: B. Swiecicki

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	122.3
FORCE @ 30° (N)	151.2 - 204.6	166.8
FORCE @ 40° (N)	204.6 - 258	215.7
RETURN ANGLE	12° max.	2.5

REMARKS: None

ORIGINAL

Dummy S/N 016
W/A _____
Date 1-02-03
Performed By BSB
Temp. 70°
Humidity 31%



Hybrid II Lumbar Spine Flexion Test

PRE-TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 016 Sequential Test Number: 3
Date: January 2, 2003 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 H3 NO.: 015

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 1
Date: February 4, 2003 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.
HEAD DROP TEST*	Passed all requirements.
LATERAL NECK BEND 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 H3 Serial No.: 015 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	902
RH- Rib Height (mm)	502 - 520	508
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	376

REMARKS: None

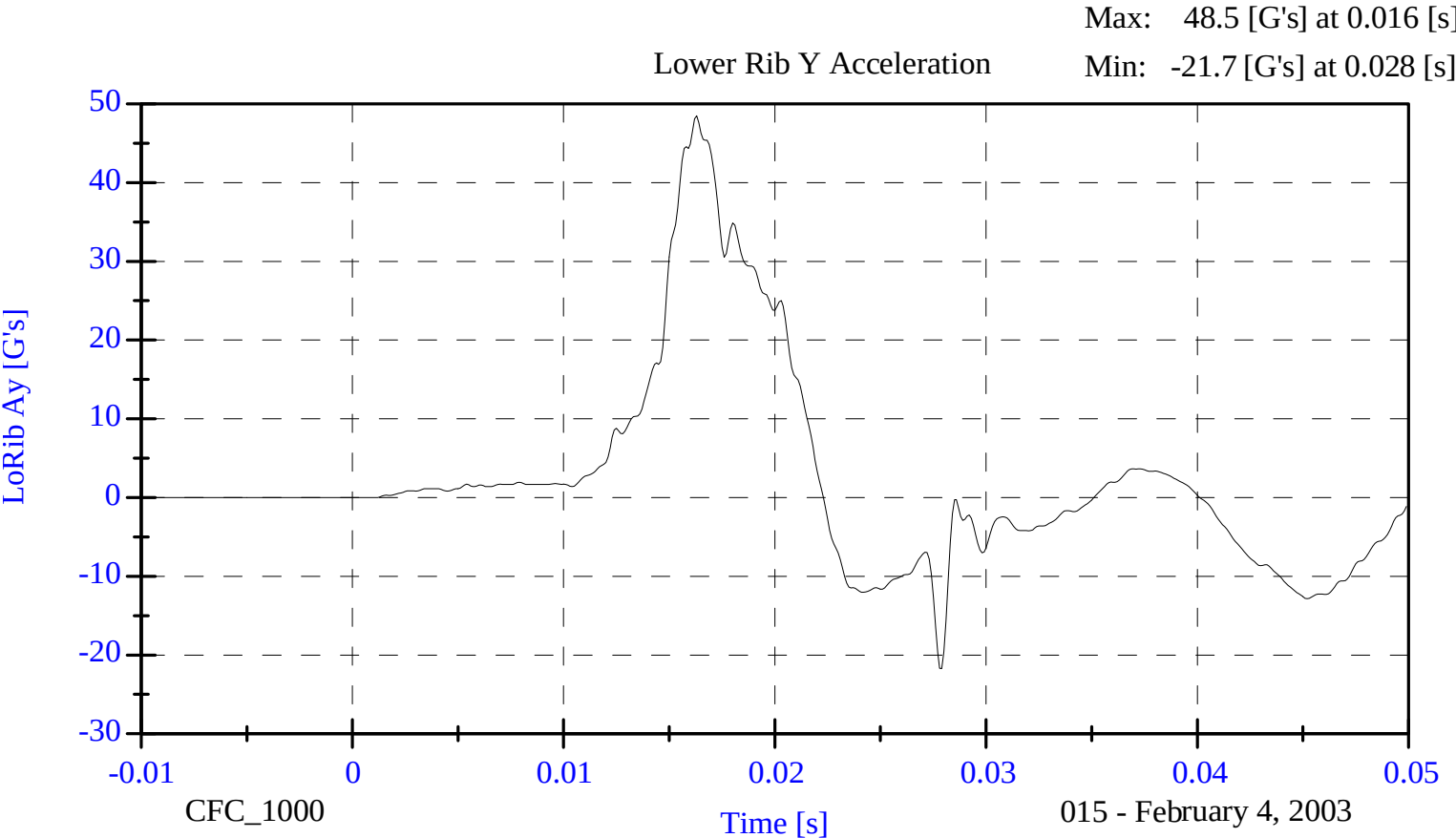
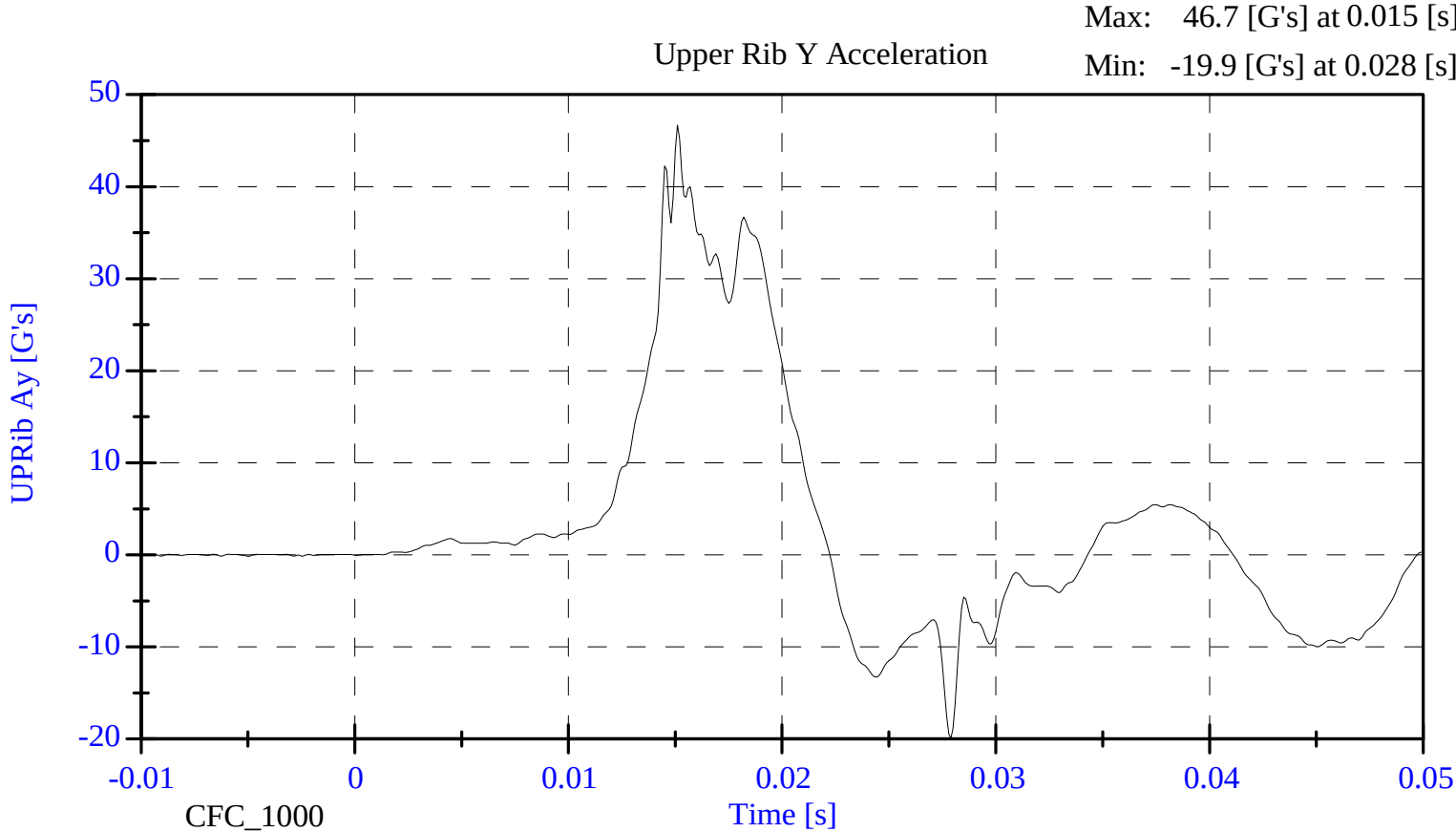
**LATERAL THORAX IMPACT TEST
POST TEST**

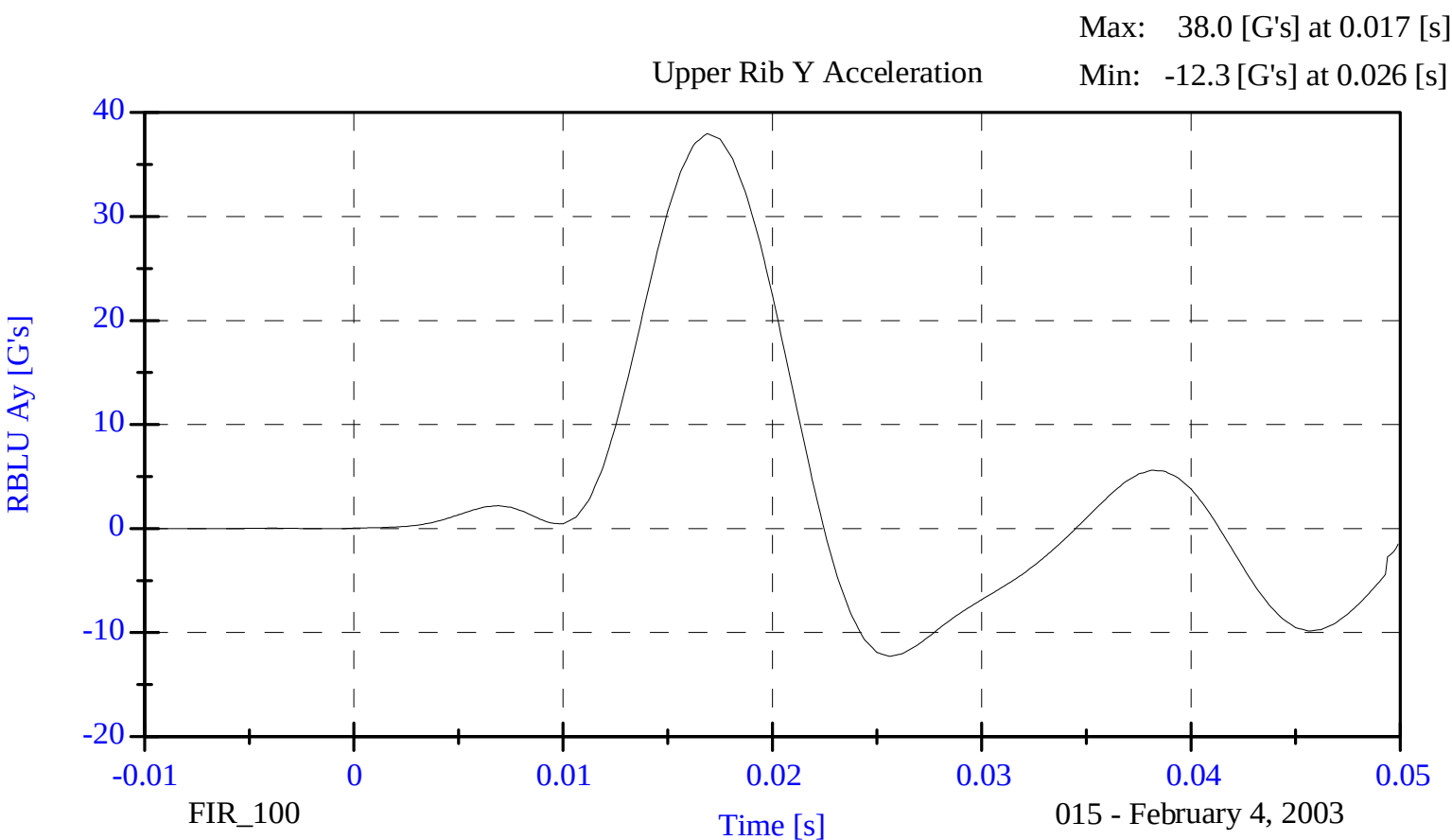
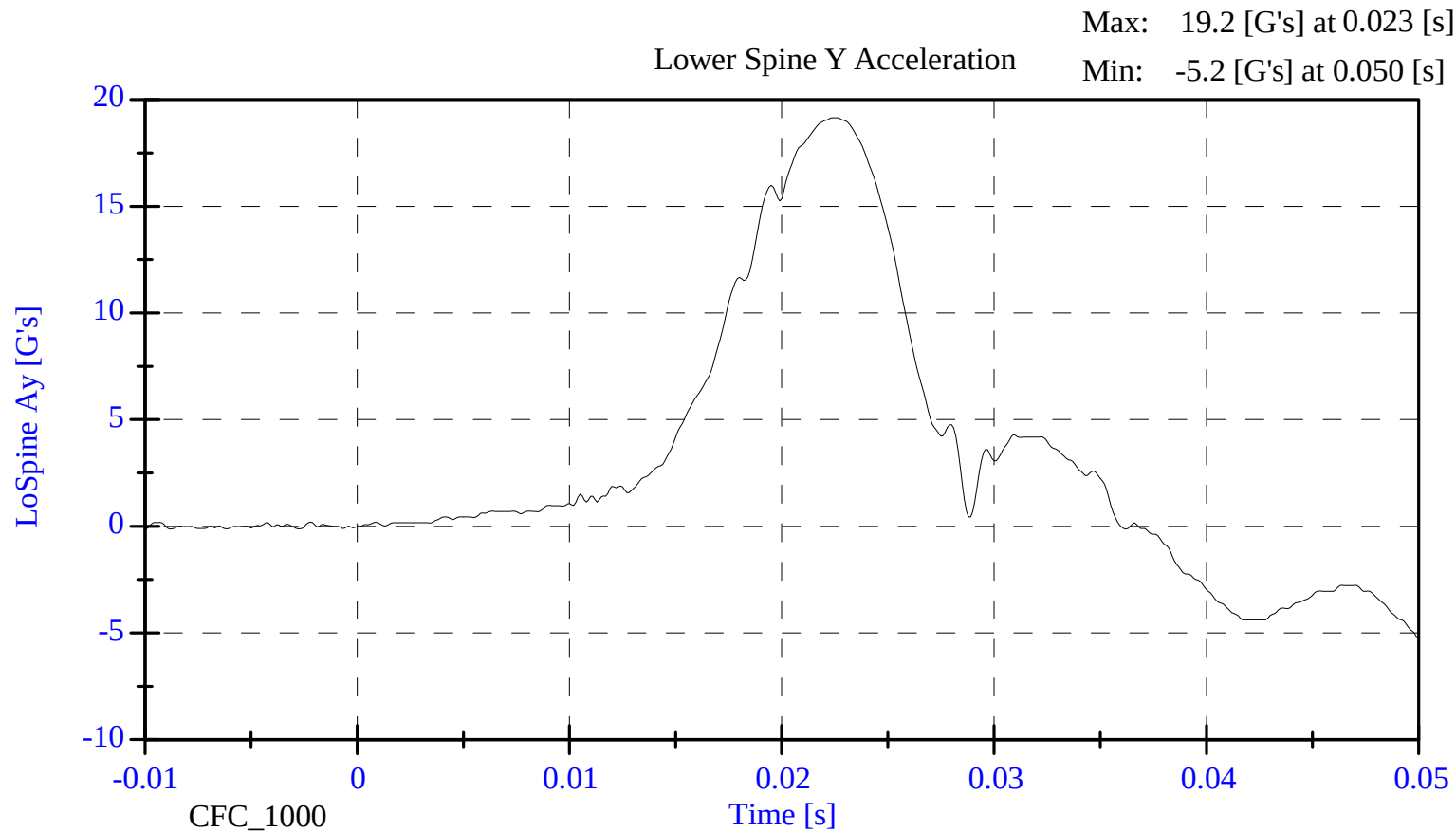
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

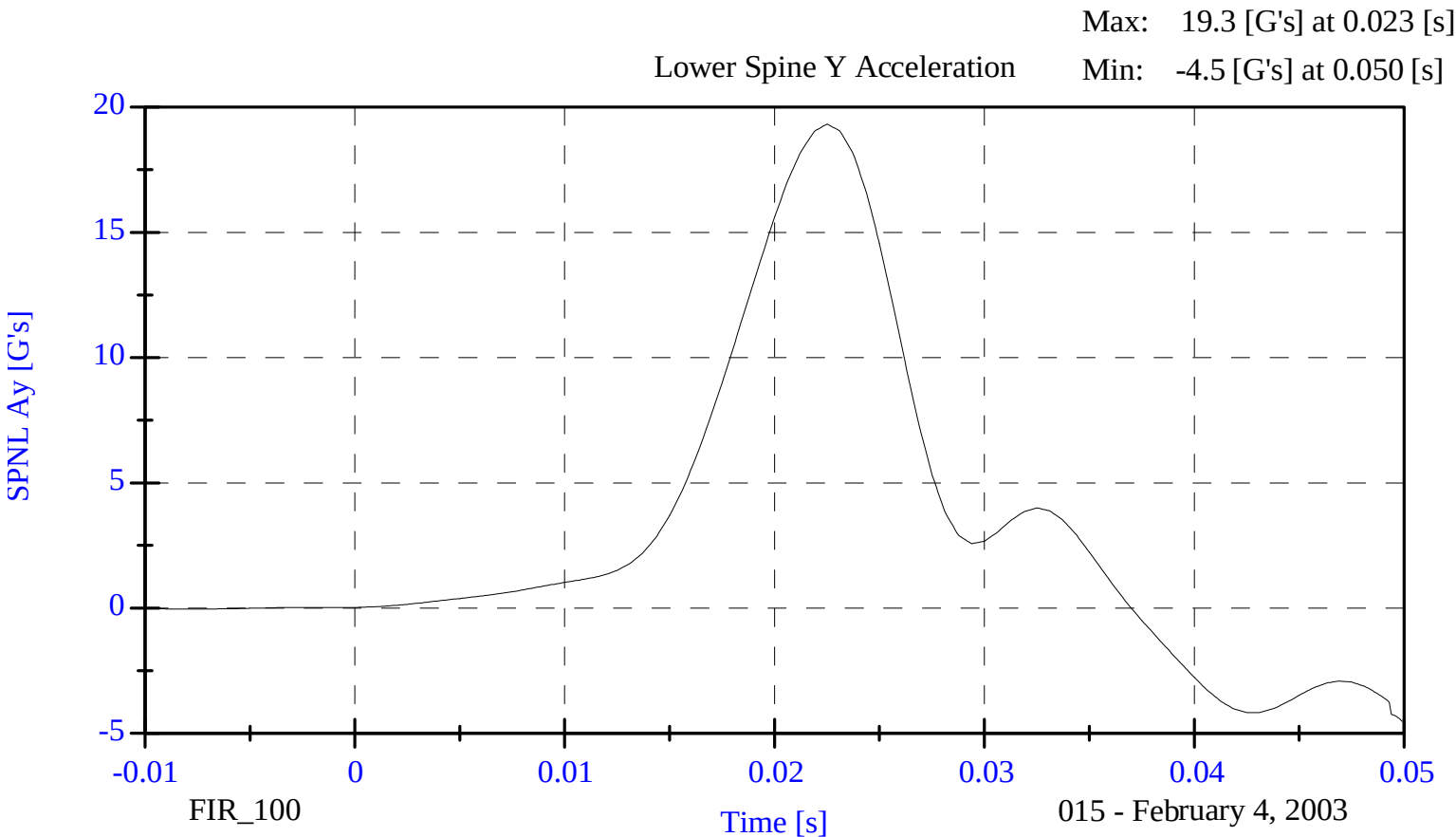
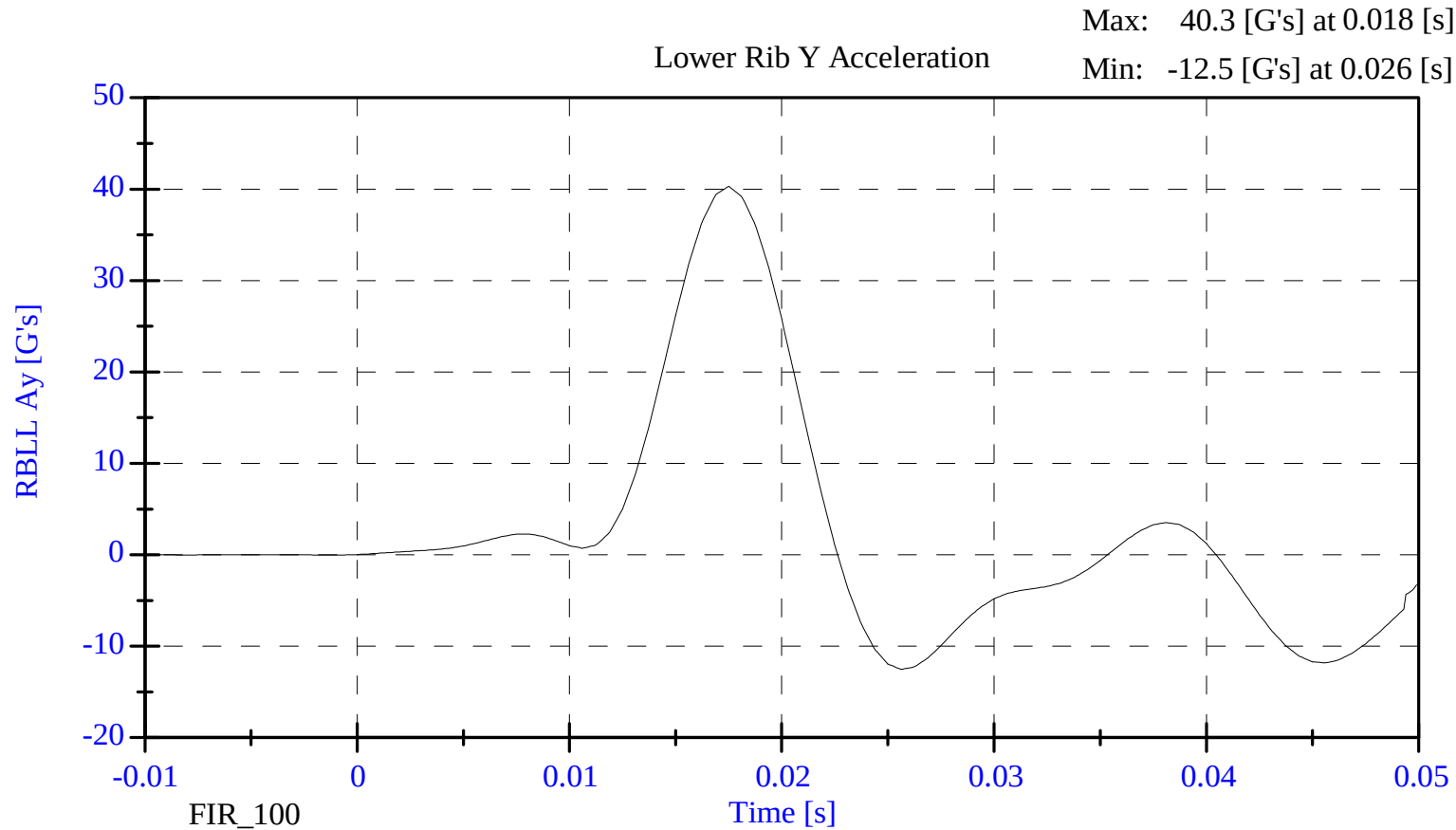
TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	20.6
RELATIVE HUMIDITY (%)	10 - 70	40.00
PROBE SPEED (m/s)	4.27 - 4.33	4.28
UPPER RIB (g's)	37 - 46	37.97
LOWER RIB (g's)	37 - 46	40.30
LOWER SPINE (g's)	15 - 22	19.33

REMARKS: None





015 - February 4, 2003



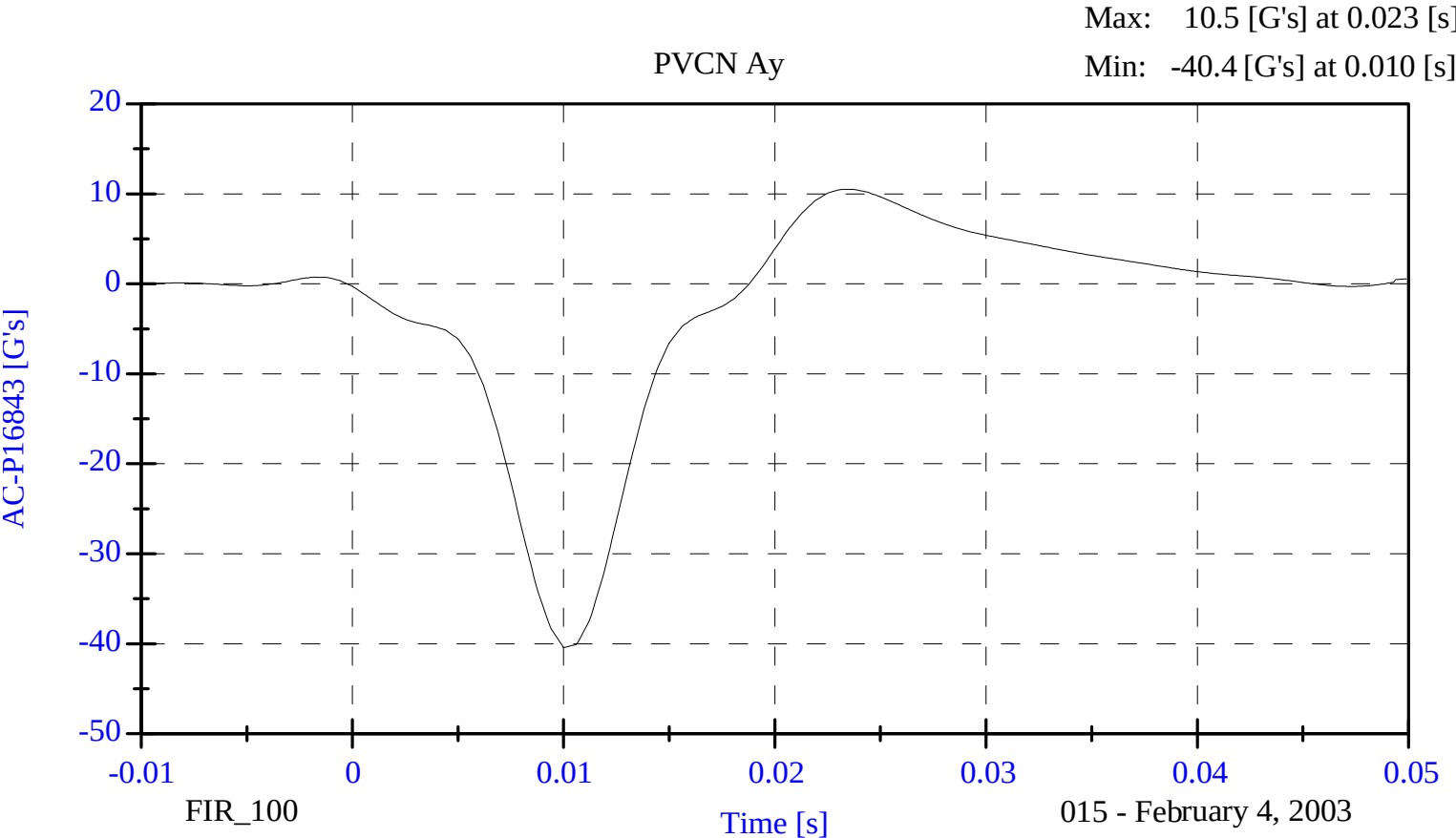
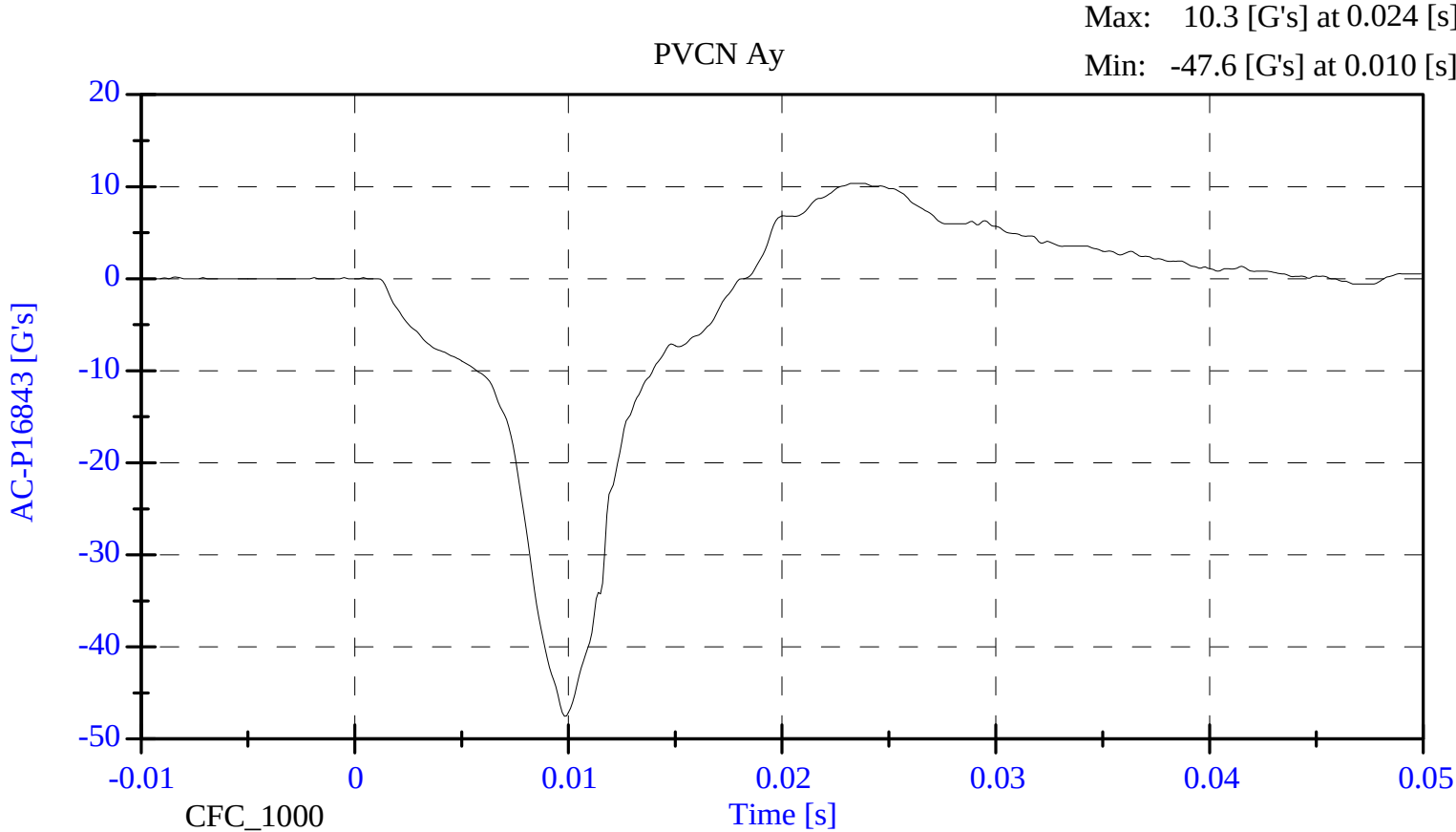
**LATERAL PELVIS IMPACT TEST
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	20.6
RELATIVE HUMIDITY (%)	10 - 70	40.0
PROBE SPEED (m/s)	4.27 - 4.33	4.32
PELVIS ACCELERATION (g's)	40 - 60	40.43

REMARKS: None



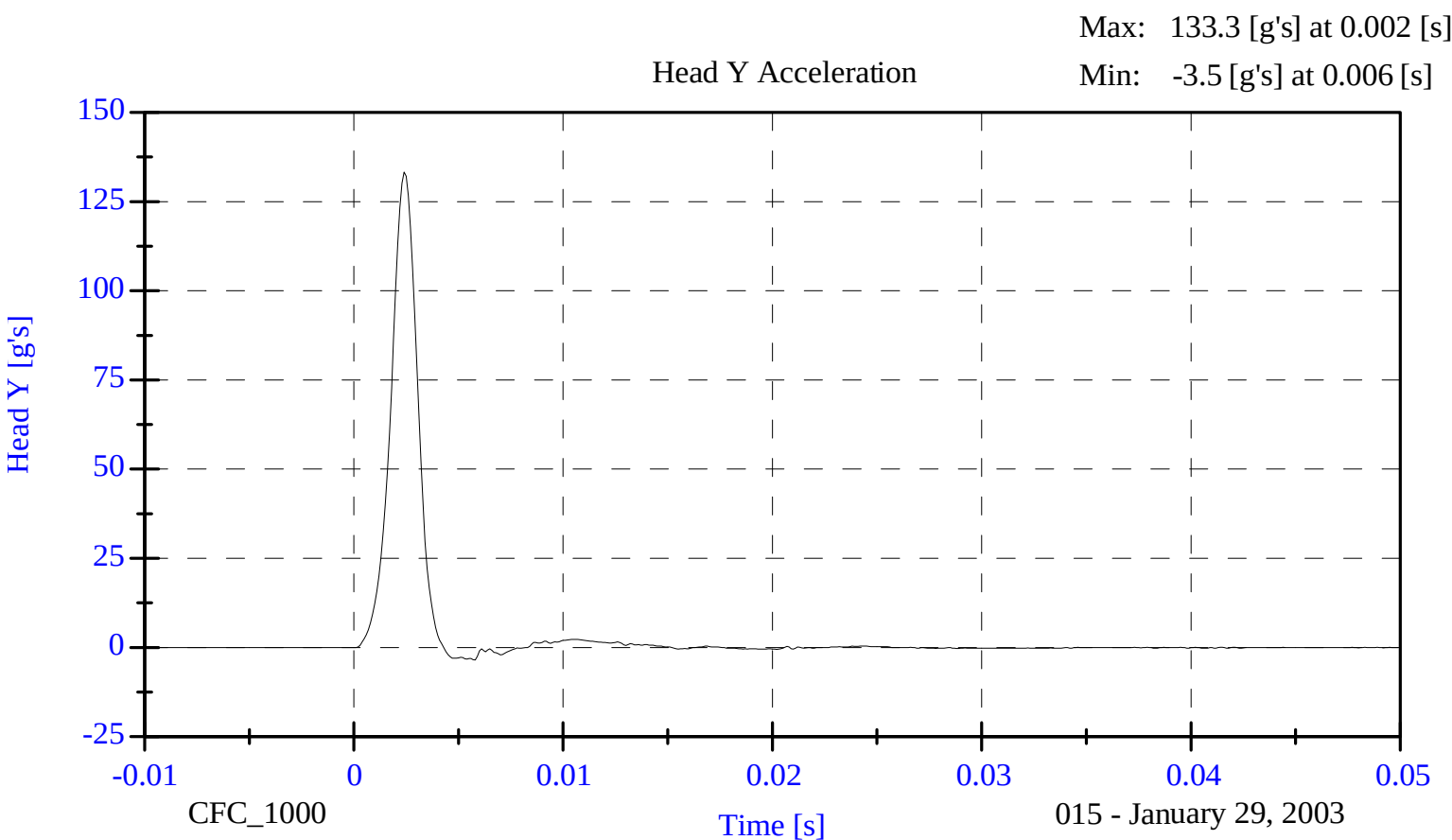
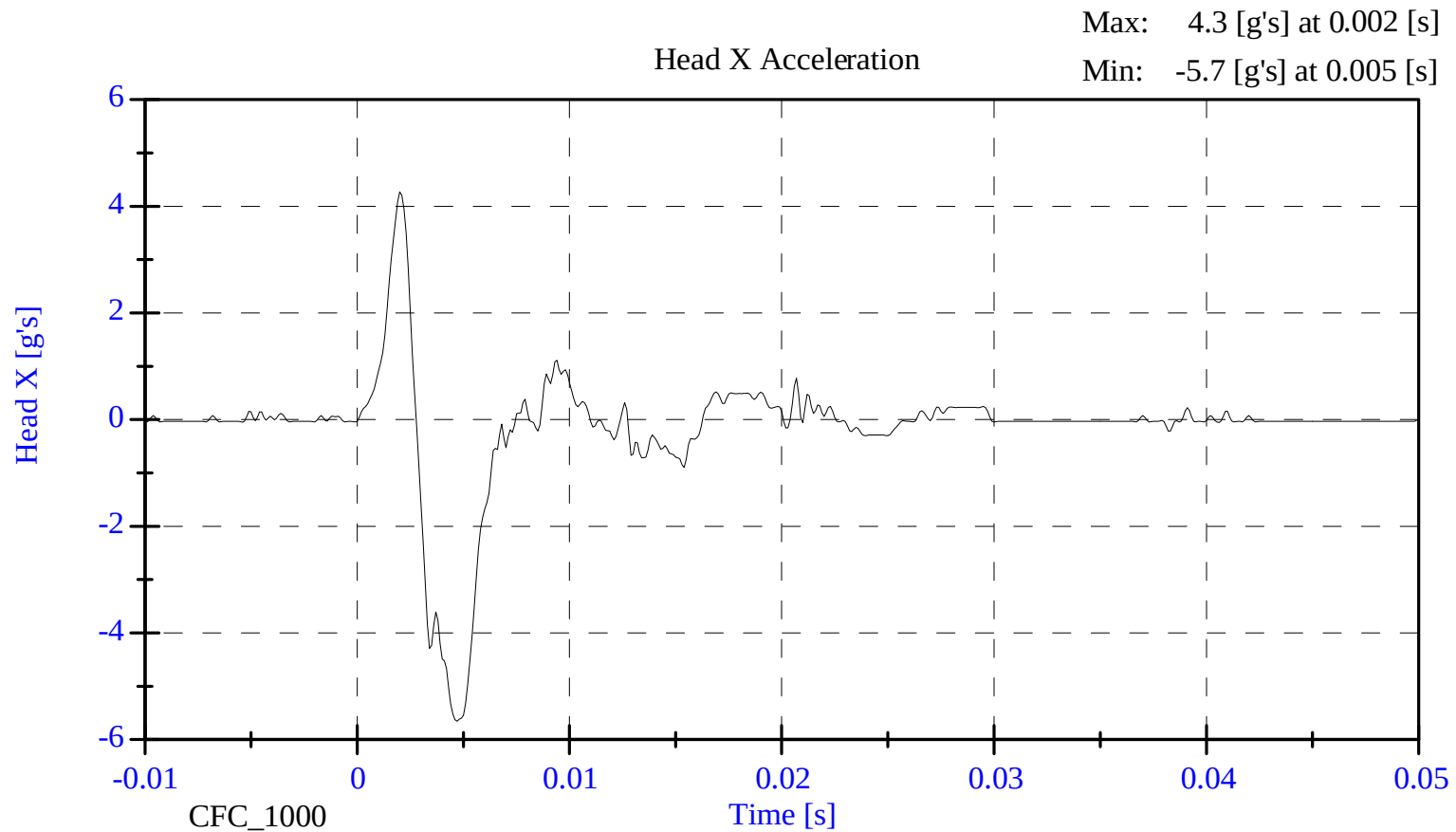
**HEAD DROP TEST
POST-TEST**
(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

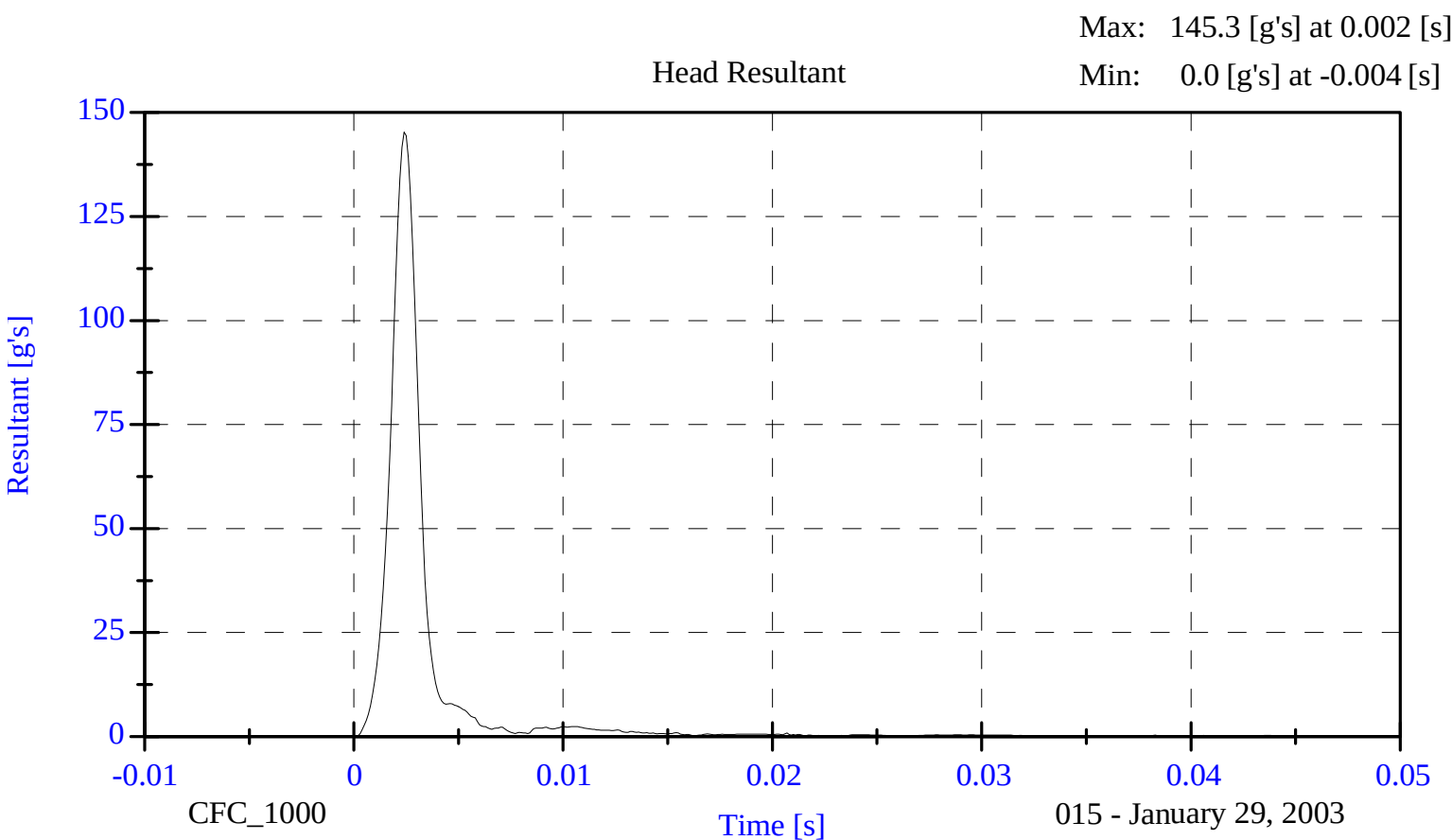
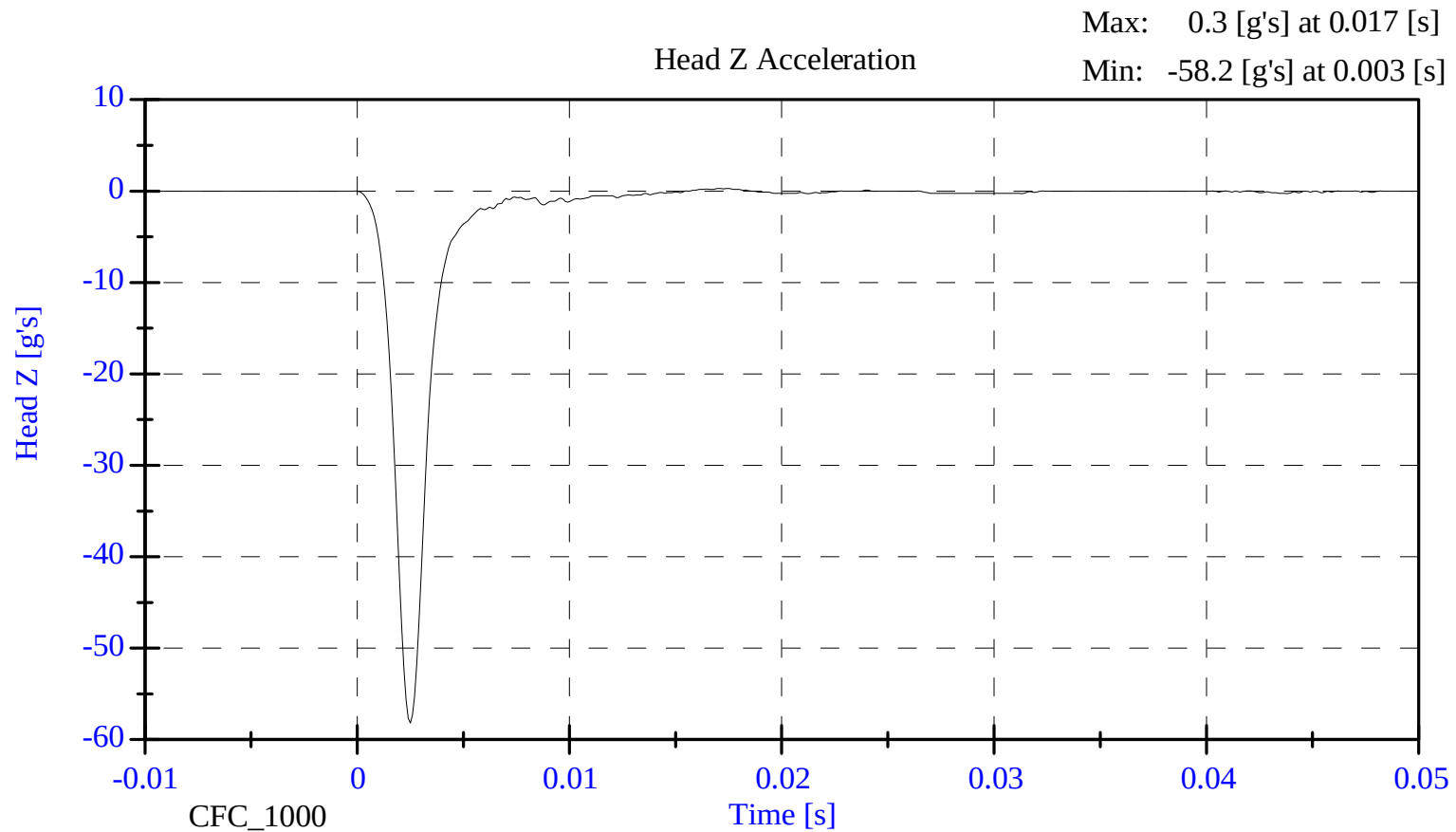
SID Serial No.: 015 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	20.6 – 22.2	21.1
RELATIVE HUMIDITY (%)	10 – 70	34.00
PEAK RESULTANT ACCELERATION (Gs)	120 – 150	145.26
PEAK LATERAL ACCELERATION (Gs)	Not to Exceed 15	4.27
CURVE PERCENT NONMODAL (%)	< 15	5.45

REMARKS: None



015 - January 29, 2003



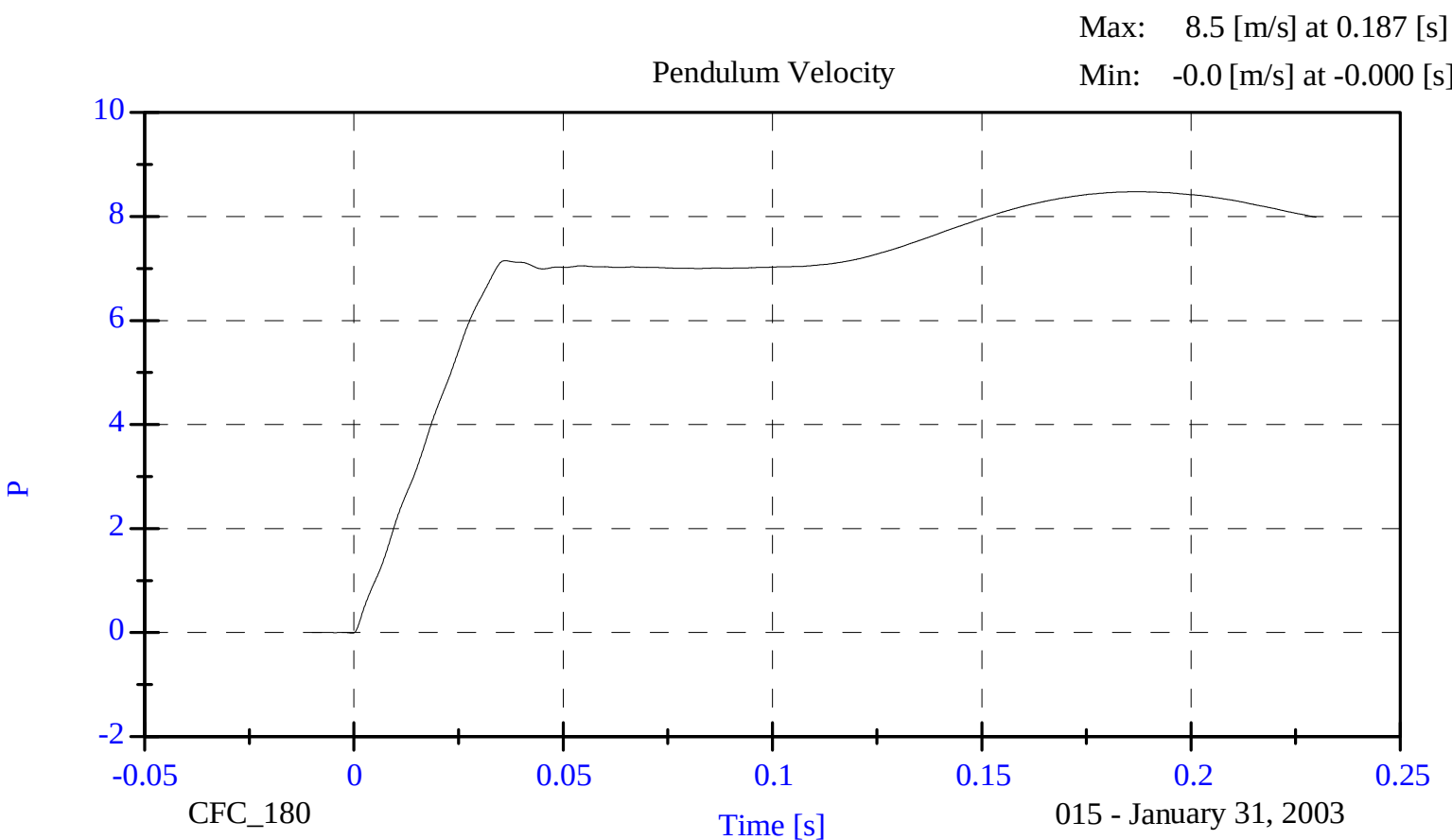
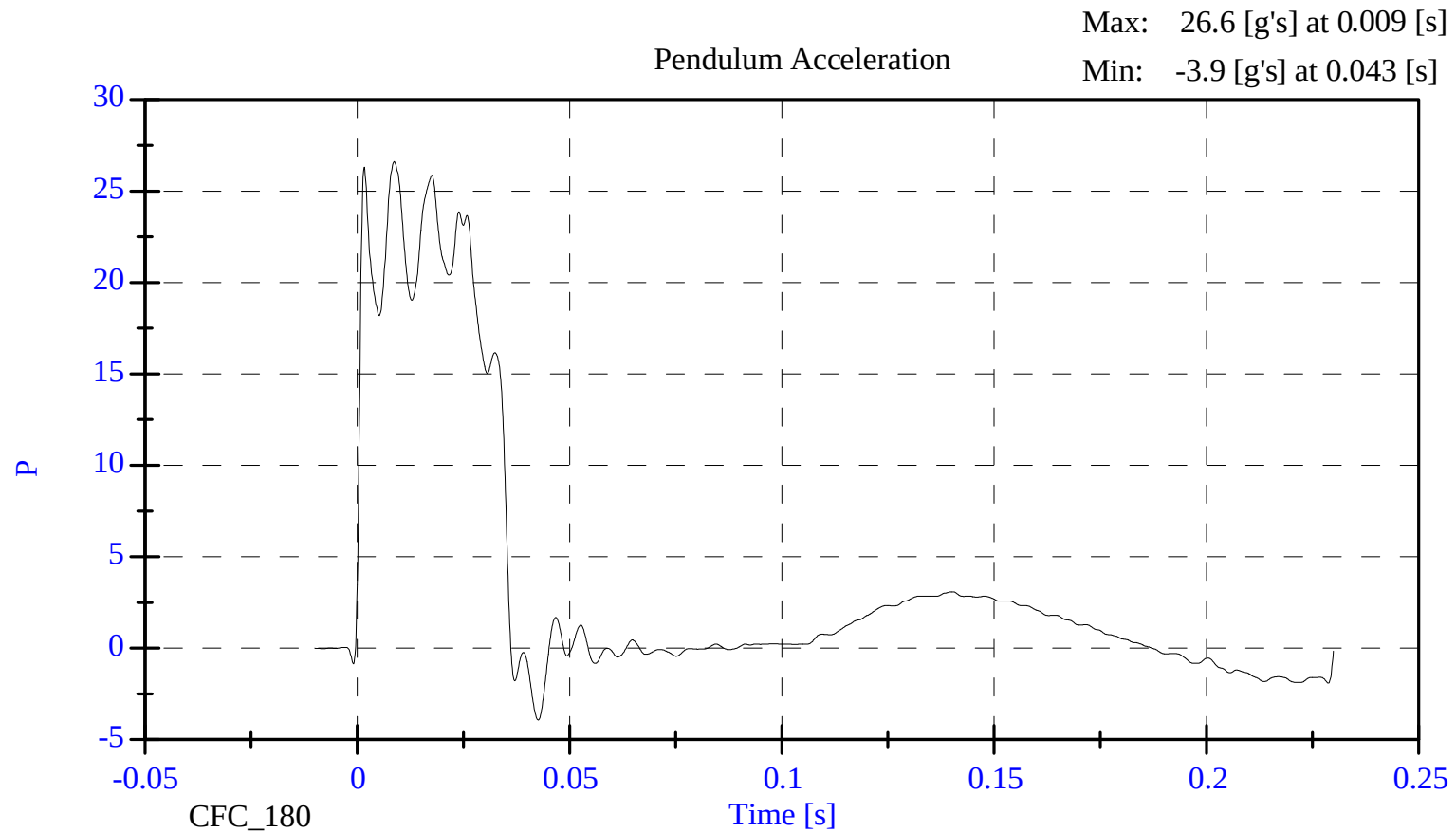
LATERAL NECK BENDING TEST
POST-TEST
(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

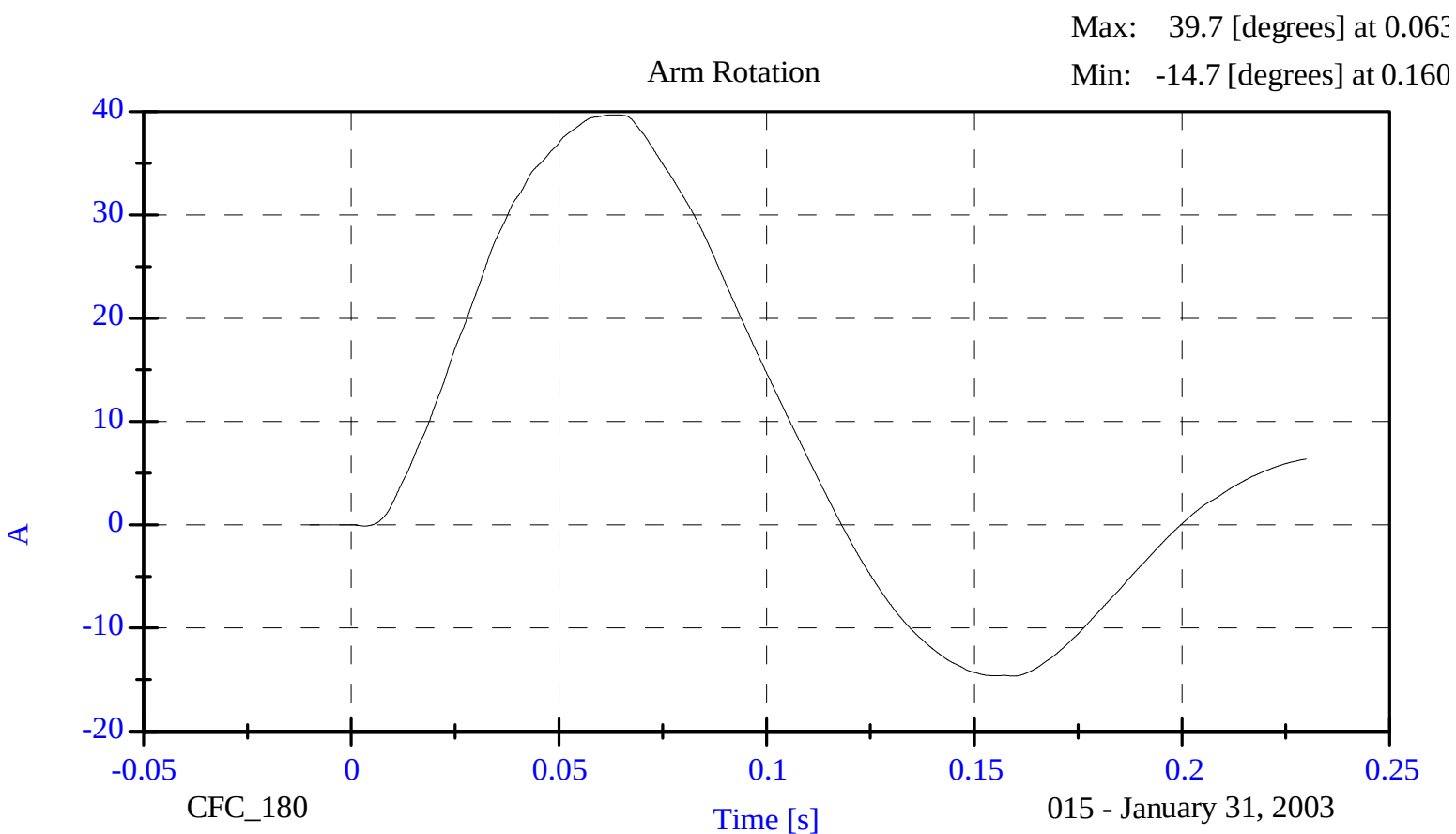
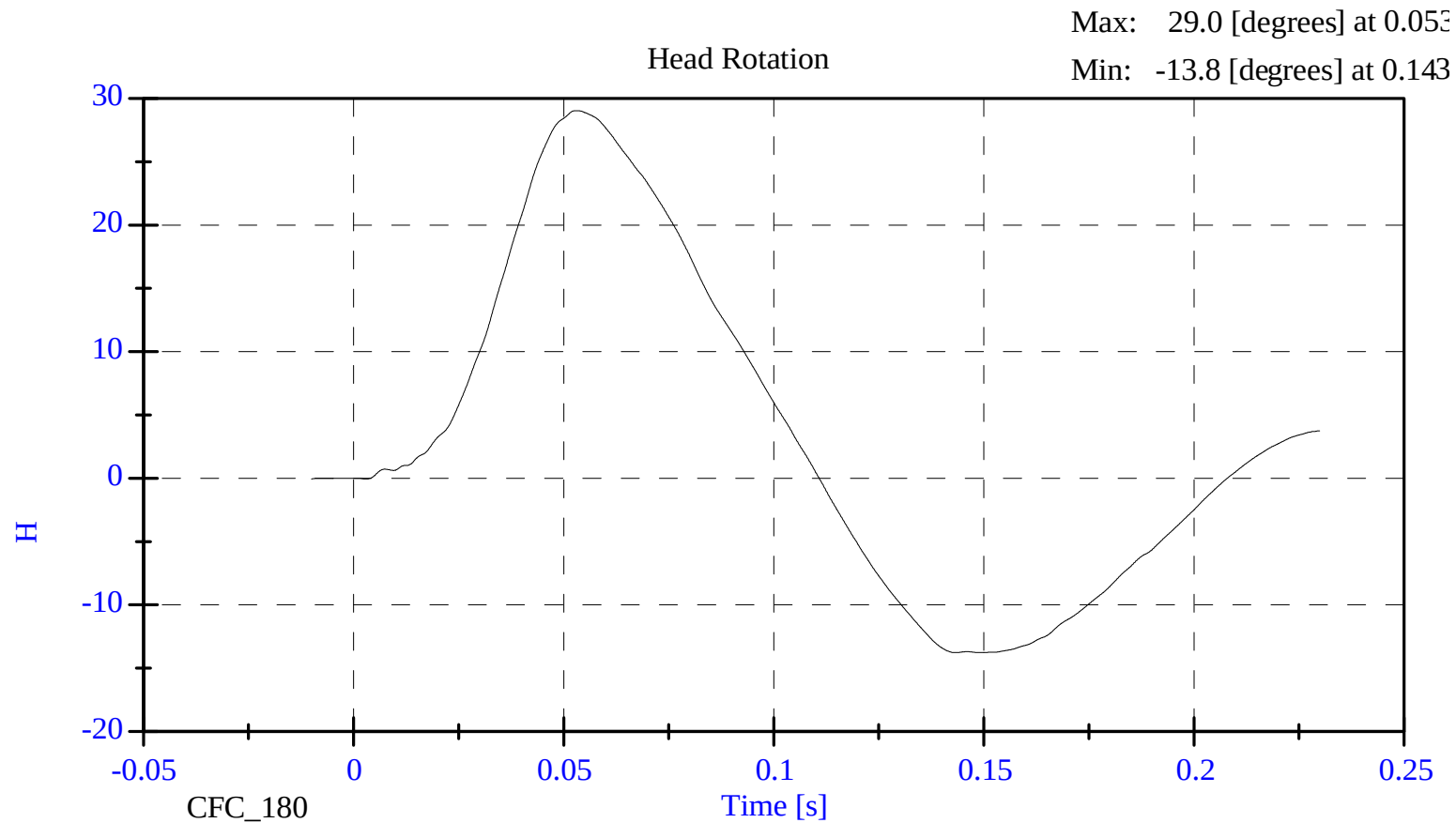
SID Serial No.: 015 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

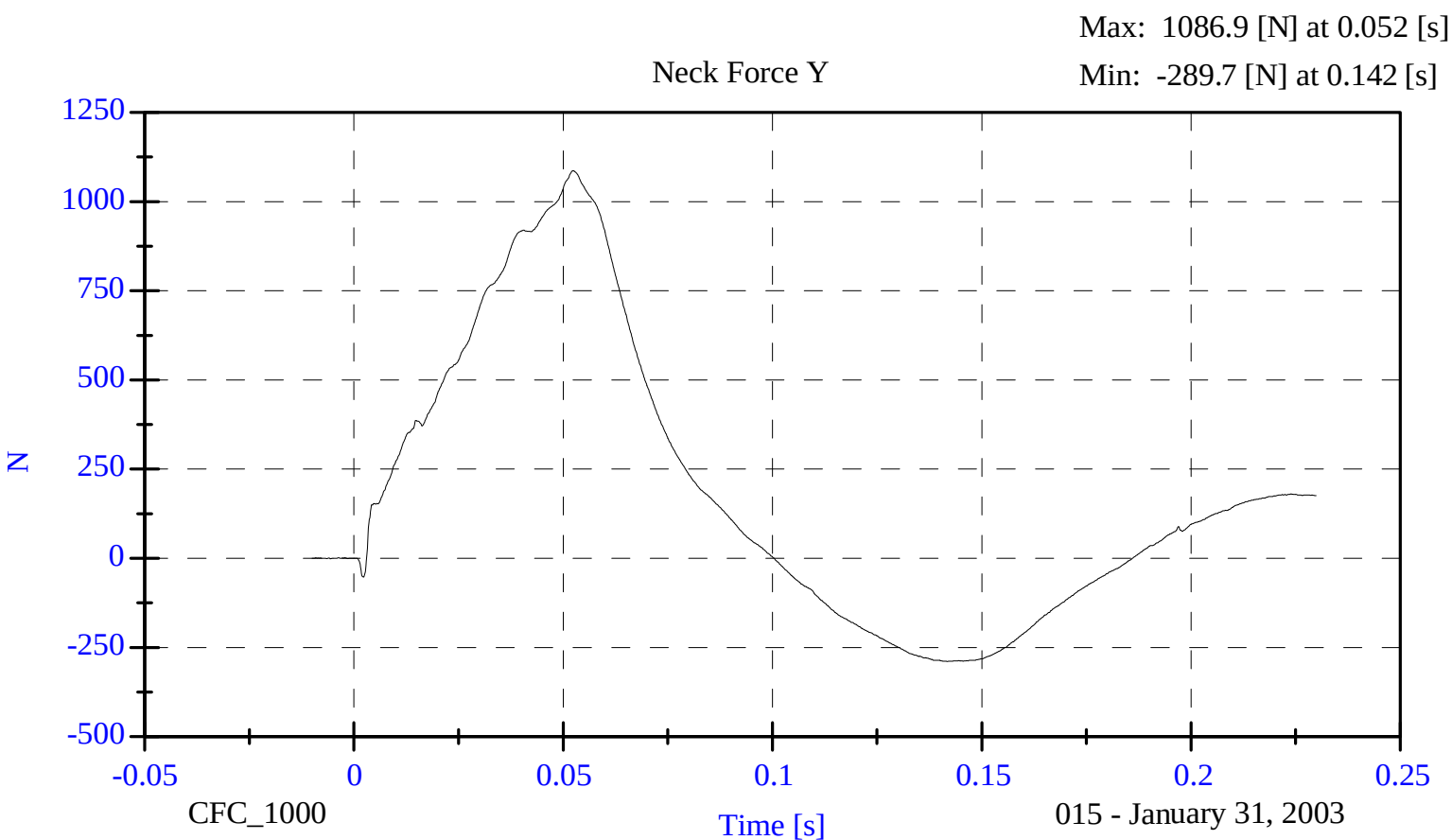
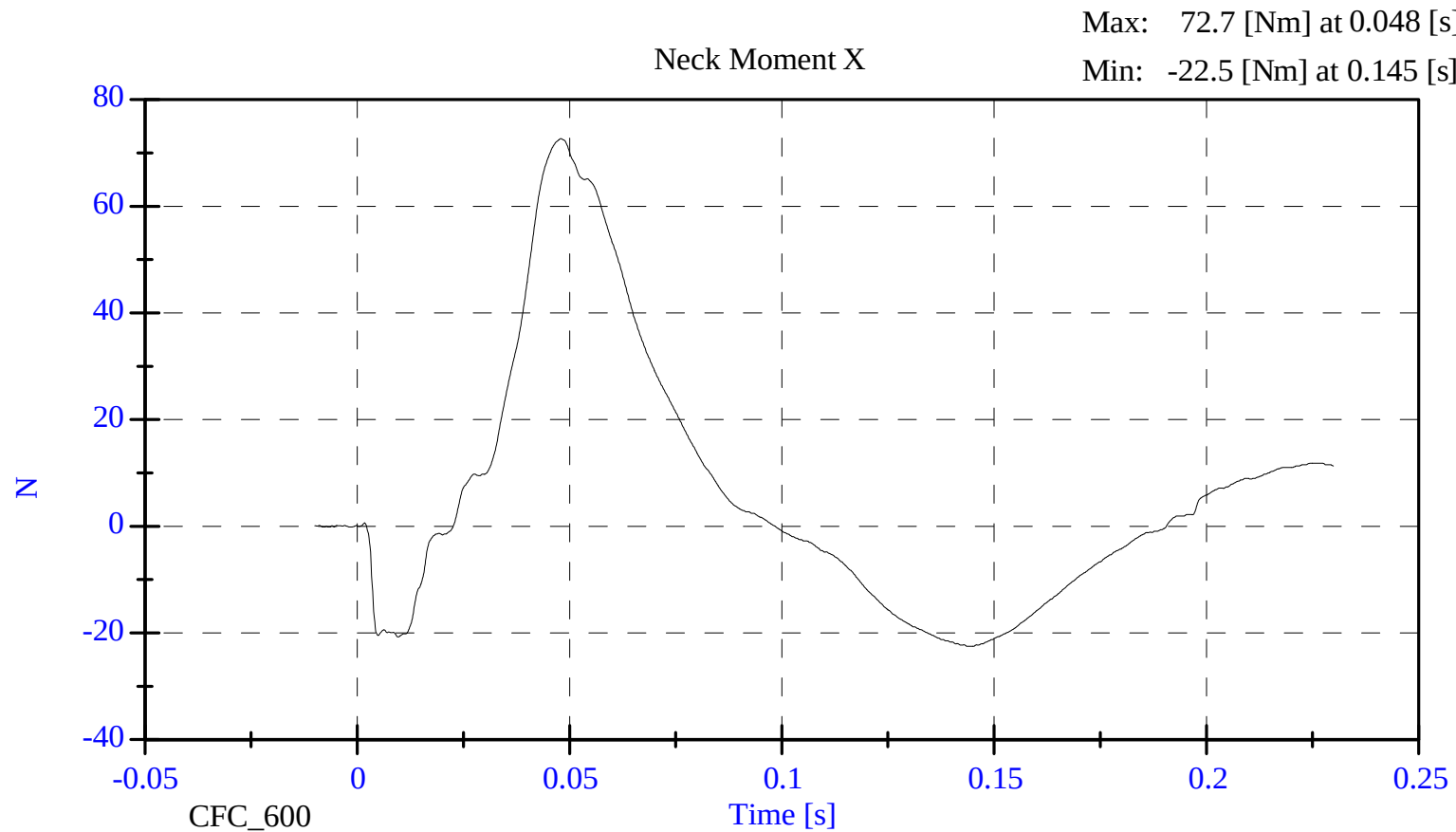
TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	20.6 - 22.2	21.1
RELATIVE HUMIDITY (%)	10 - 70	33.00
IMPACT VELOCITY (m/s)	6.89 – 7.13	6.98
PENDULUM DELTA V		
DELTA V @ 10 ms (m/s)	1.96 – 2.55	2.13
DELTA V @ 20 ms (m/s)	4.12 – 5.10	4.34
DELTA V @ 30 ms (m/s)	5.73 – 7.01	6.39
DELTA V @ 40-70 ms (m/s)	6.27 – 7.64	7.18
D PLANE ROTATION		
MAXIMUM ROTATION (deg)	64 – 78	67.88
ROT. ANGLE TIME to ZERO (ms)	50 – 70	57.70
MOMENT ABOUT THE OCCIPITAL CONDYLE		
MAX OCCIPITAL MOMENT (Nm)	88 – 108	90.34
OCCIPITAL MOMENT DECAY (ms)	40.0 – 60.0	50.80
HEAD ROTATION TIME WITH RESPECT TO THE OCCIPITAL CONDYLE MOMENT		
ROTATION wrt MOMENT (ms)	0 – 20	9.30

REMARKS: None

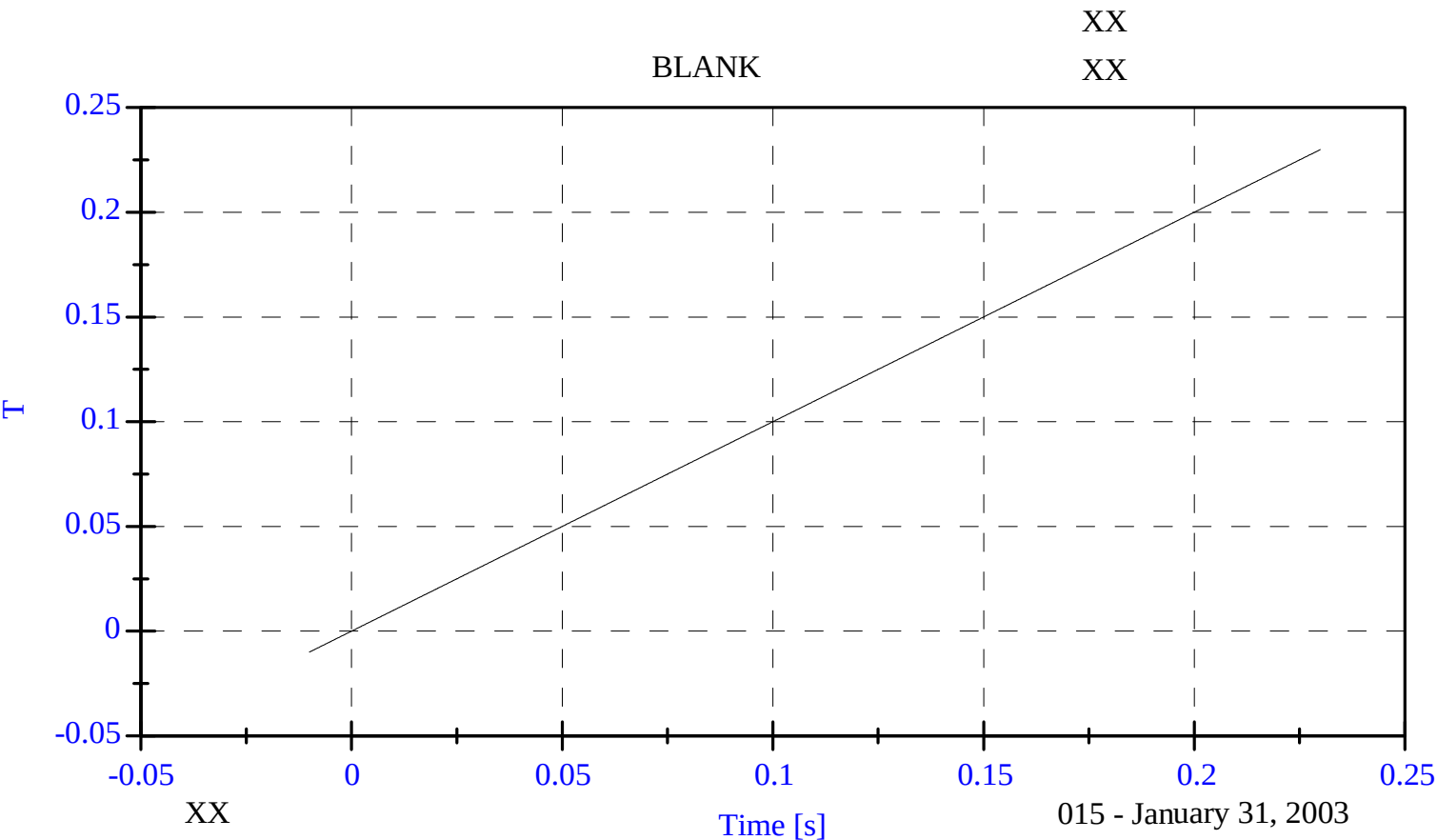
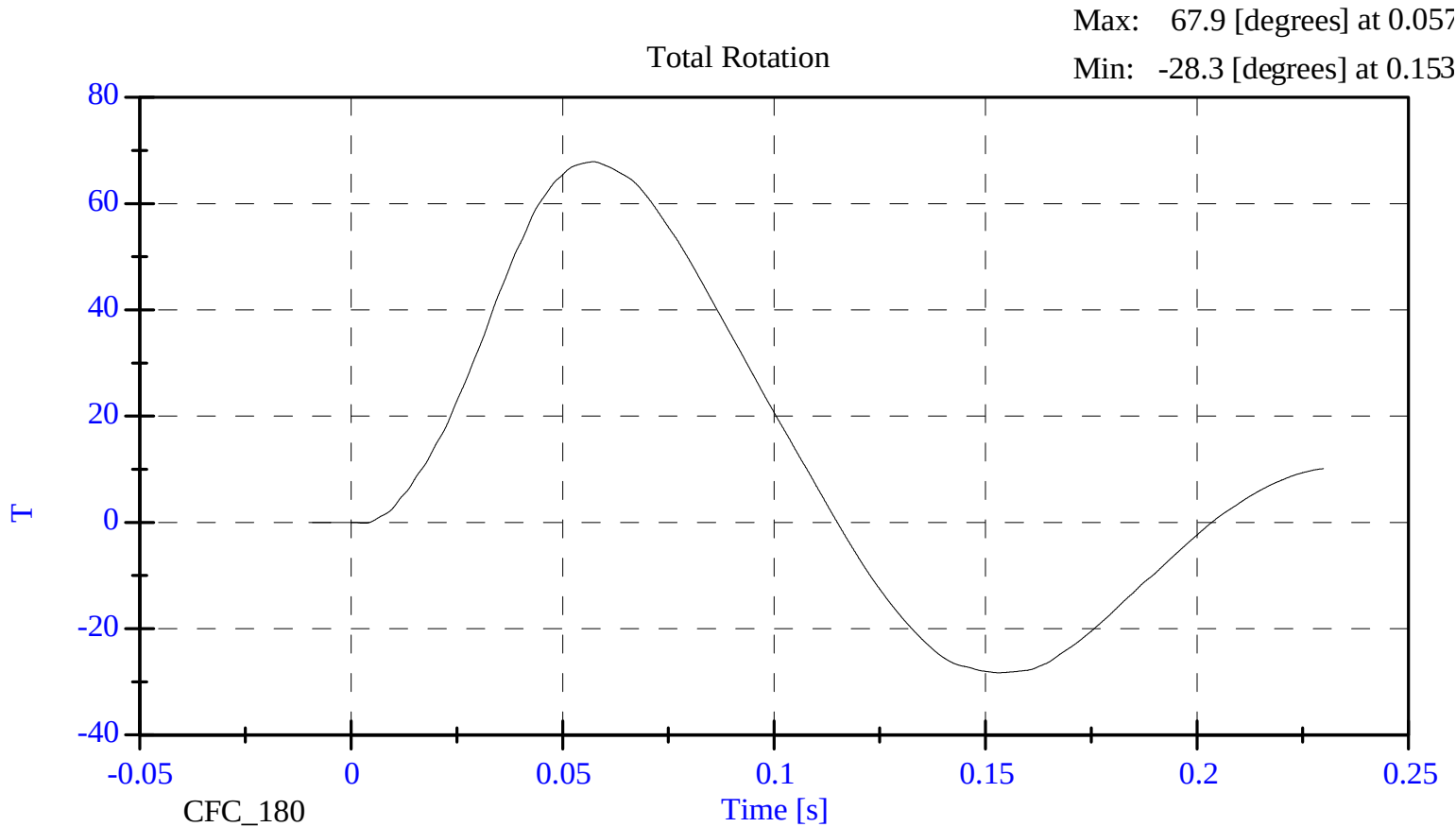


015 - January 31, 2003





015 - January 31, 2003



**ABDOMINAL COMPRESSION TEST
POST TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	40.0
FORCE @ 13 mm (N)	104 - 162	116.1
FORCE @ 19 mm (N)	163 - 221	182.4
FORCE @ 25 mm (N)	222 - 280	258.9
FORCE @ 33 mm (N)	325 - 391	378.1

REMARKS: None

Dummy S/N 015

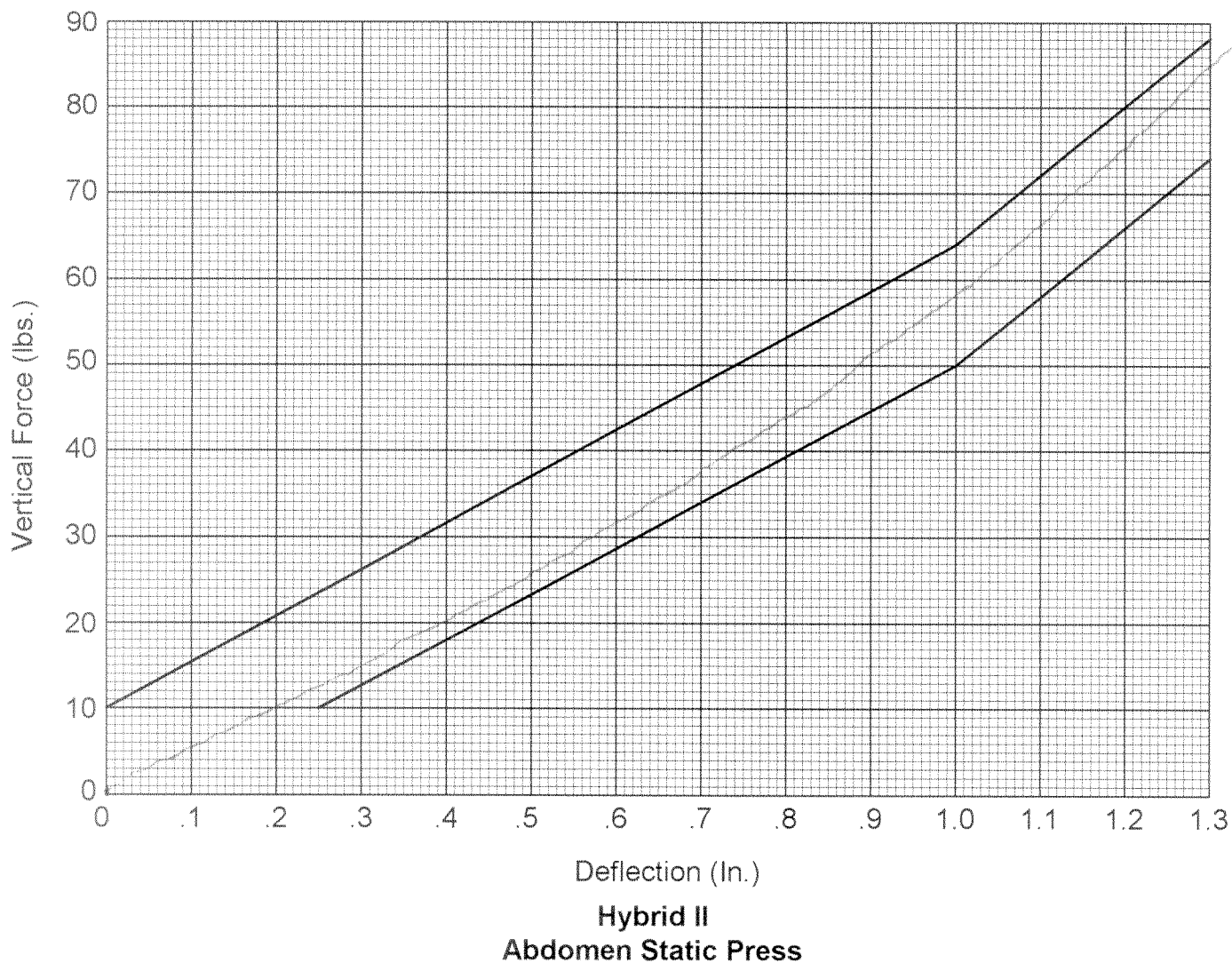
W/A _____

Date 2-4-03

Performed By BS

Temp. 70°

Humidity 40%



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

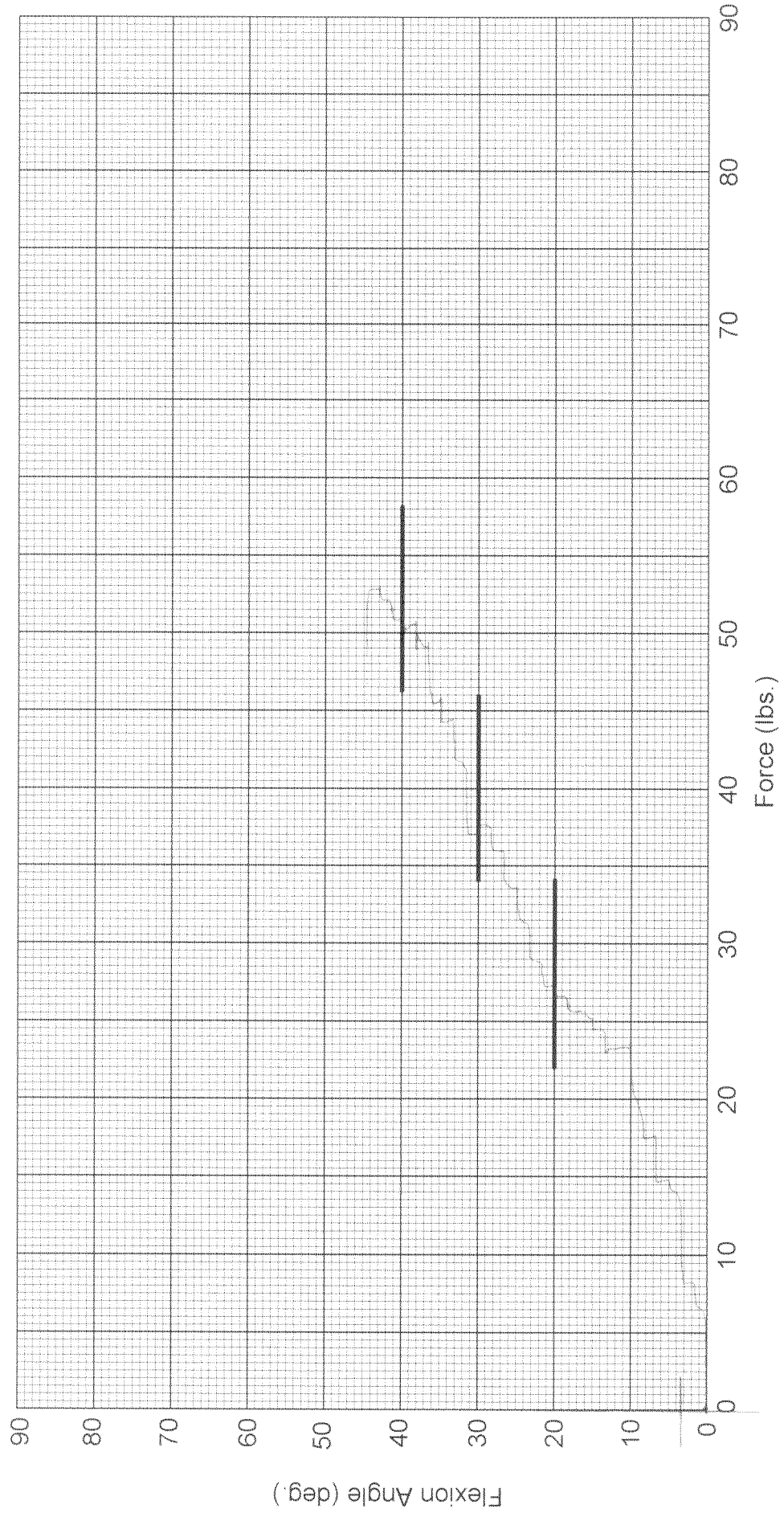
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	40.0
FORCE @ 0° (N)	0 - 26.7	0.0
FORCE @ 20° (N)	97.8 - 151.2	117.9
FORCE @ 30° (N)	151.2 - 204.6	168.9
FORCE @ 40° (N)	204.6 - 258	224.6
RETURN ANGLE	12° max.	3.5

REMARKS: None

Dummy S/N 015
 W/A _____
 Date 2-4-03
 Performed By [Signature]
 Temp. 70°
 Humidity 40%



Hybrid II Lumbar Spine Flexion Test

POST TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 015 Sequential Test Number: 1
Date: February 4, 2003 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 H3 NO.: 016

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 016 Sequential Test Number: 1
Date: February 4, 2003 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.
HEAD DROP TEST*	Passed all requirements.
LATERAL NECK BEND 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 H3 Serial No.: 016 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	902
RH- Rib Height (mm)	502 - 520	513
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	236
KH- Knee Pivot from Back Line (mm)	511 - 526	521
KV- Knee Pivot to Floor (mm)	490 - 505	495
HW- Hip Width (mm)	356 - 391	368

REMARKS: None

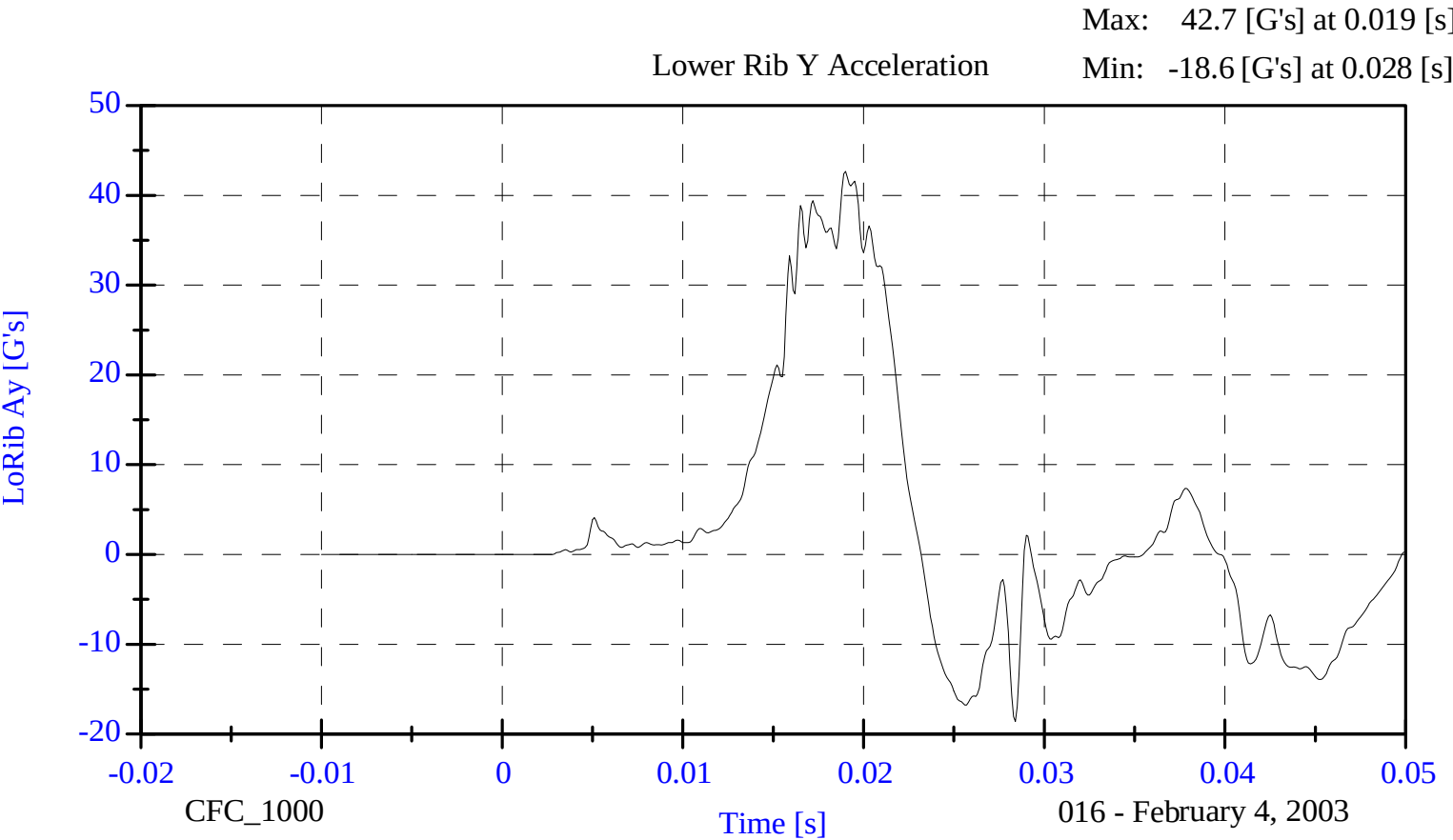
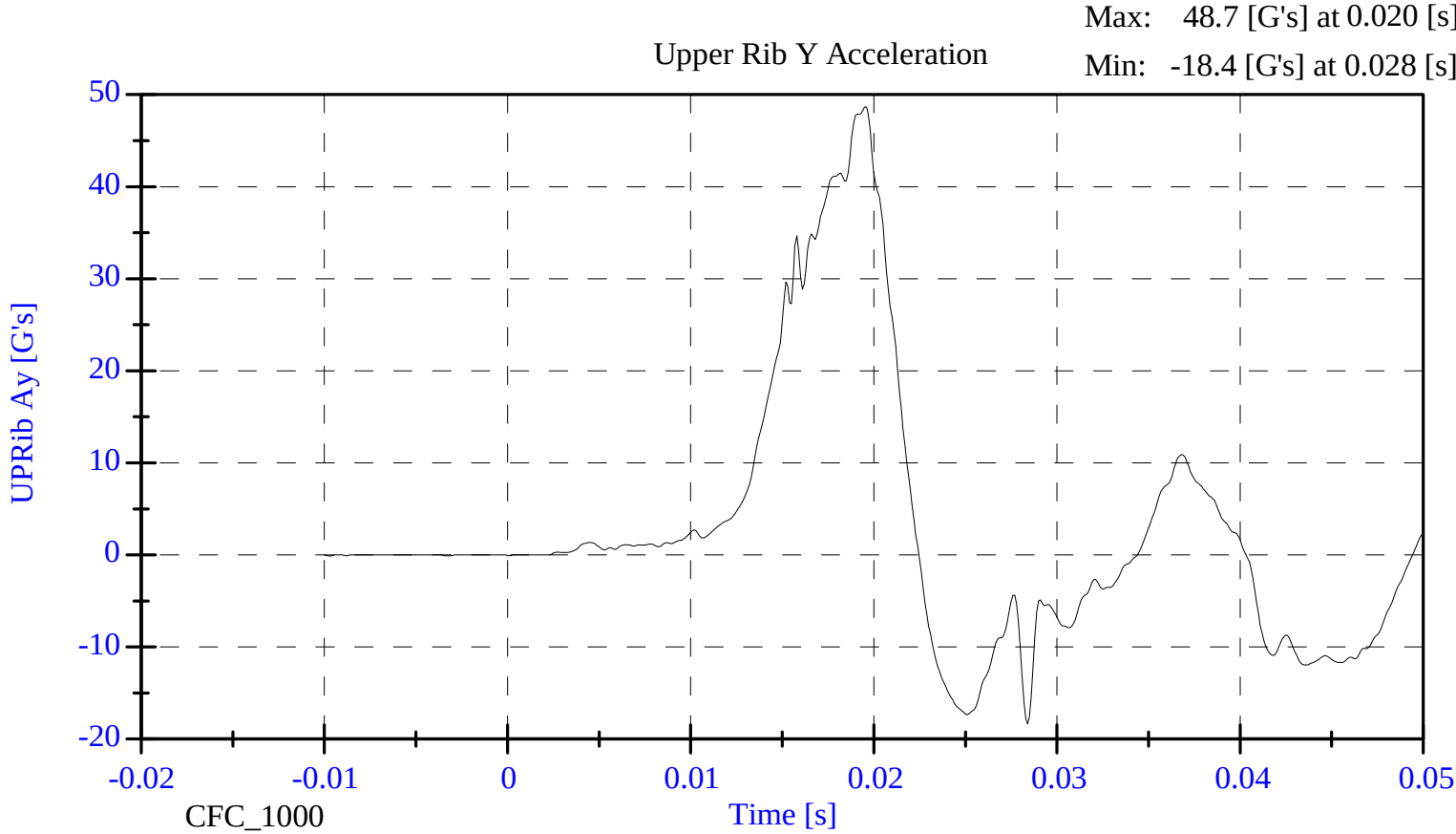
**LATERAL THORAX IMPACT TEST
POST TEST**

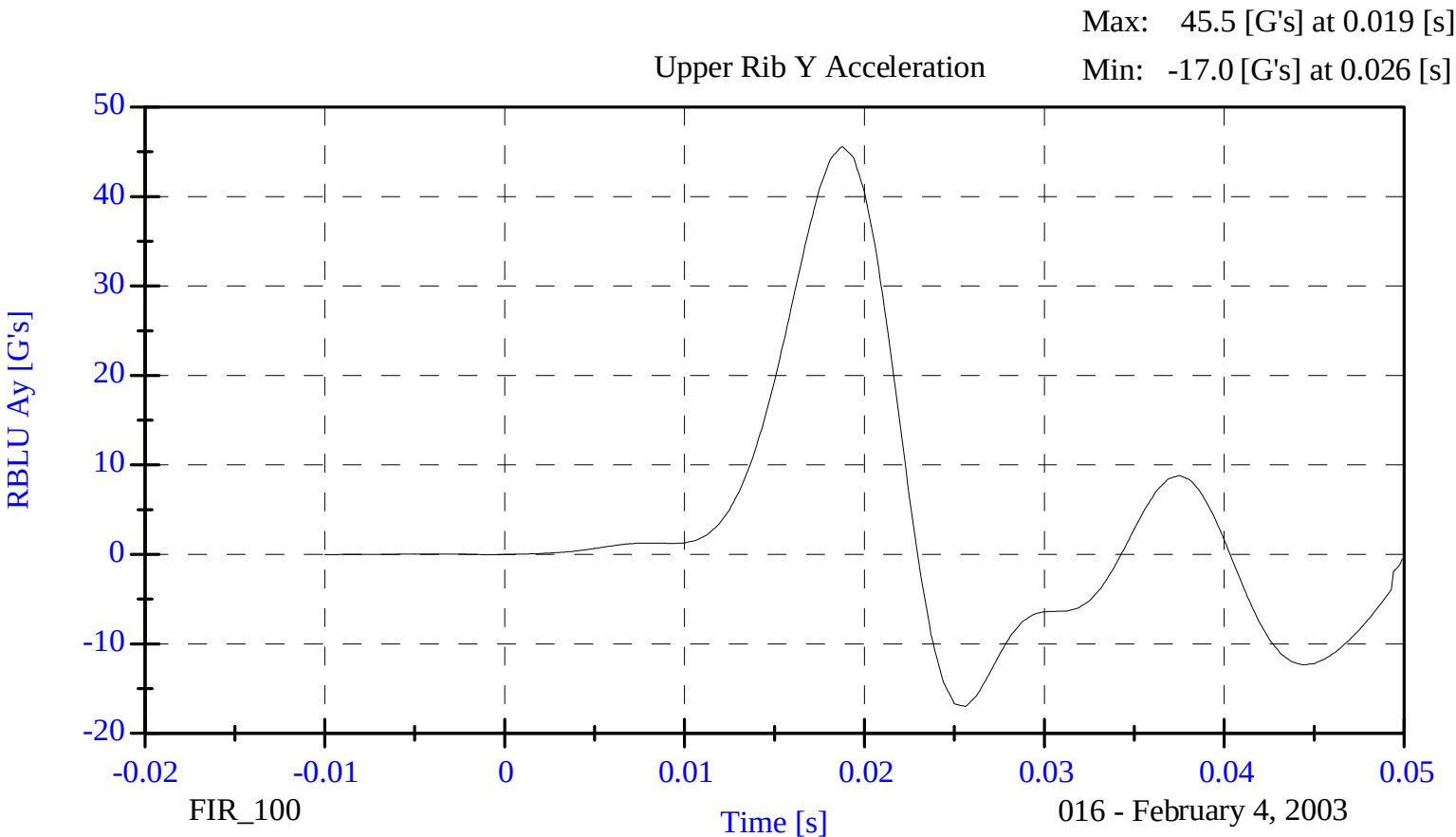
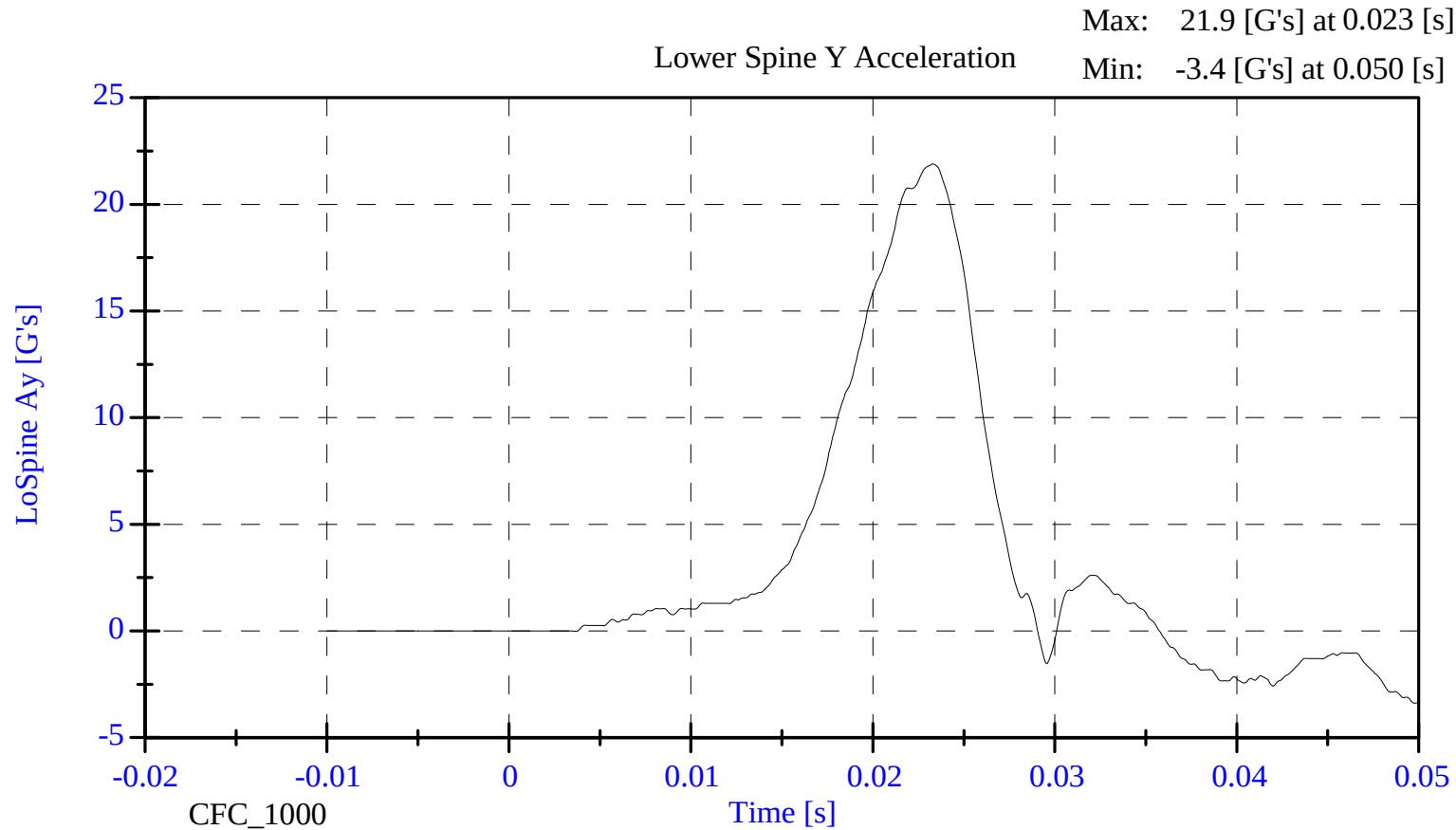
CONFIGURED FOR LEFT SIDE IMPACT

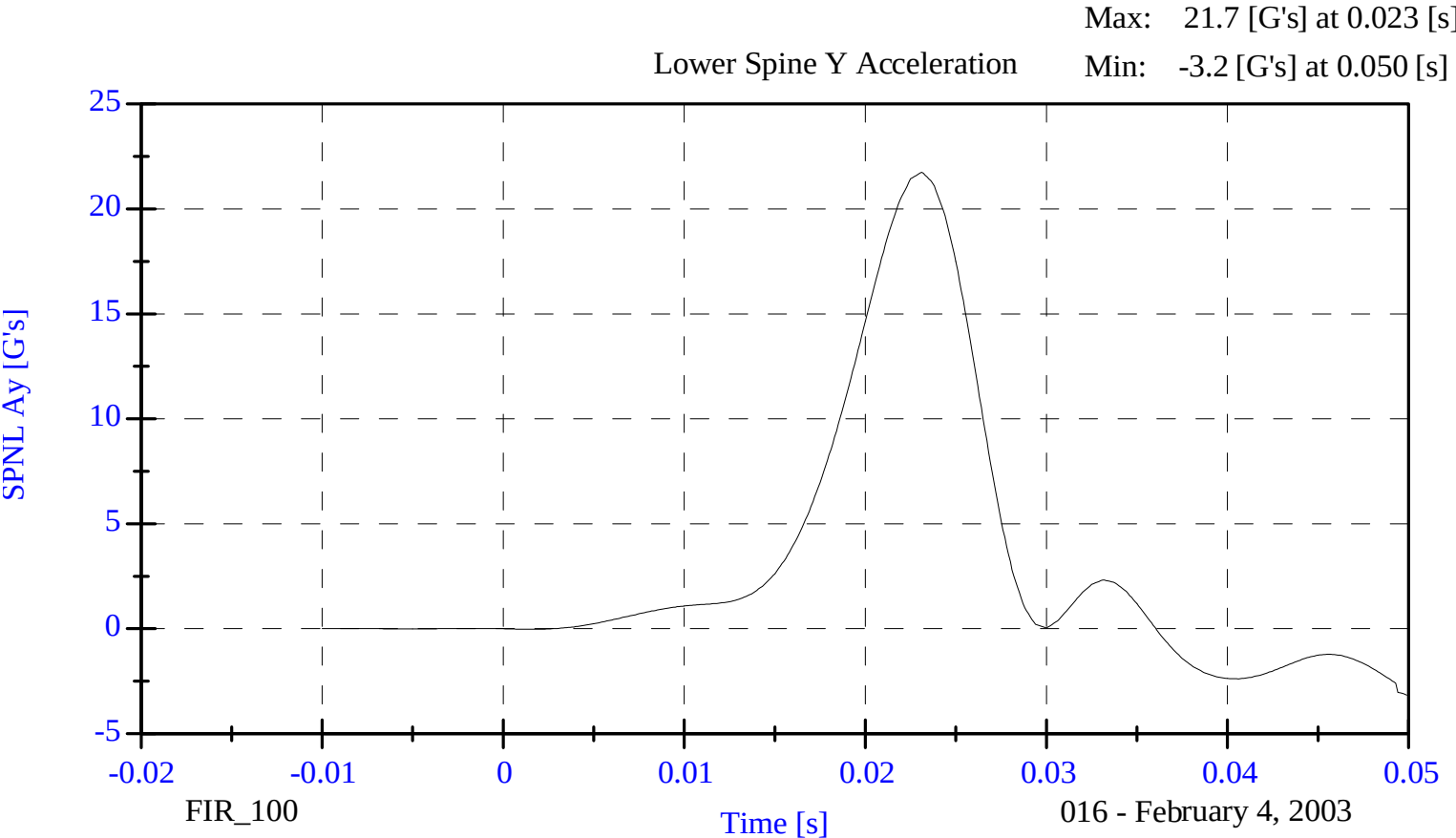
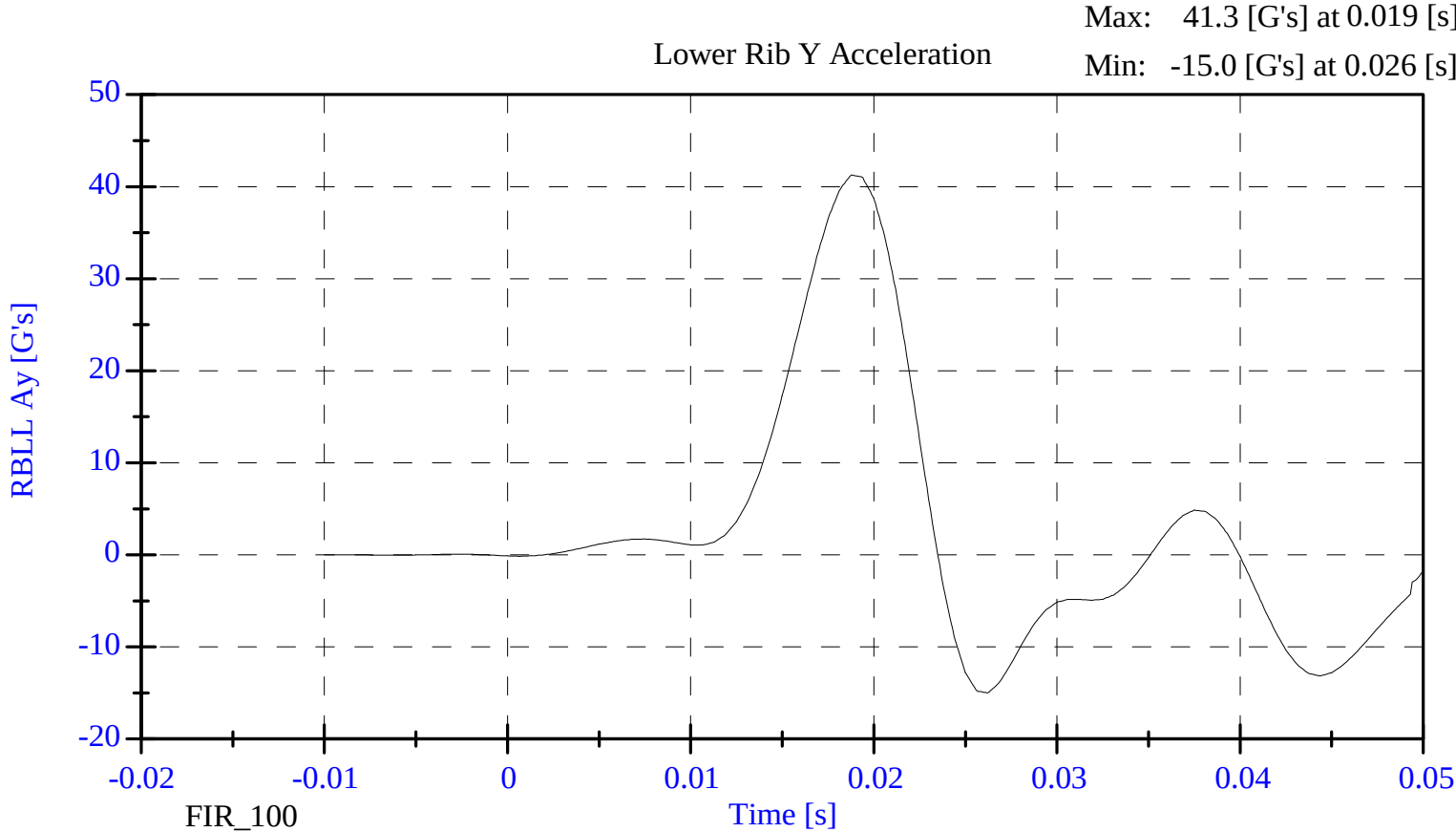
SID H3 Serial No.: 016 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	40.00
PROBE SPEED (m/s)	4.27 - 4.33	4.32
UPPER RIB (g's)	37 - 46	45.54
LOWER RIB (g's)	37 - 46	41.25
LOWER SPINE (g's)	15 - 22	21.75

REMARKS: None







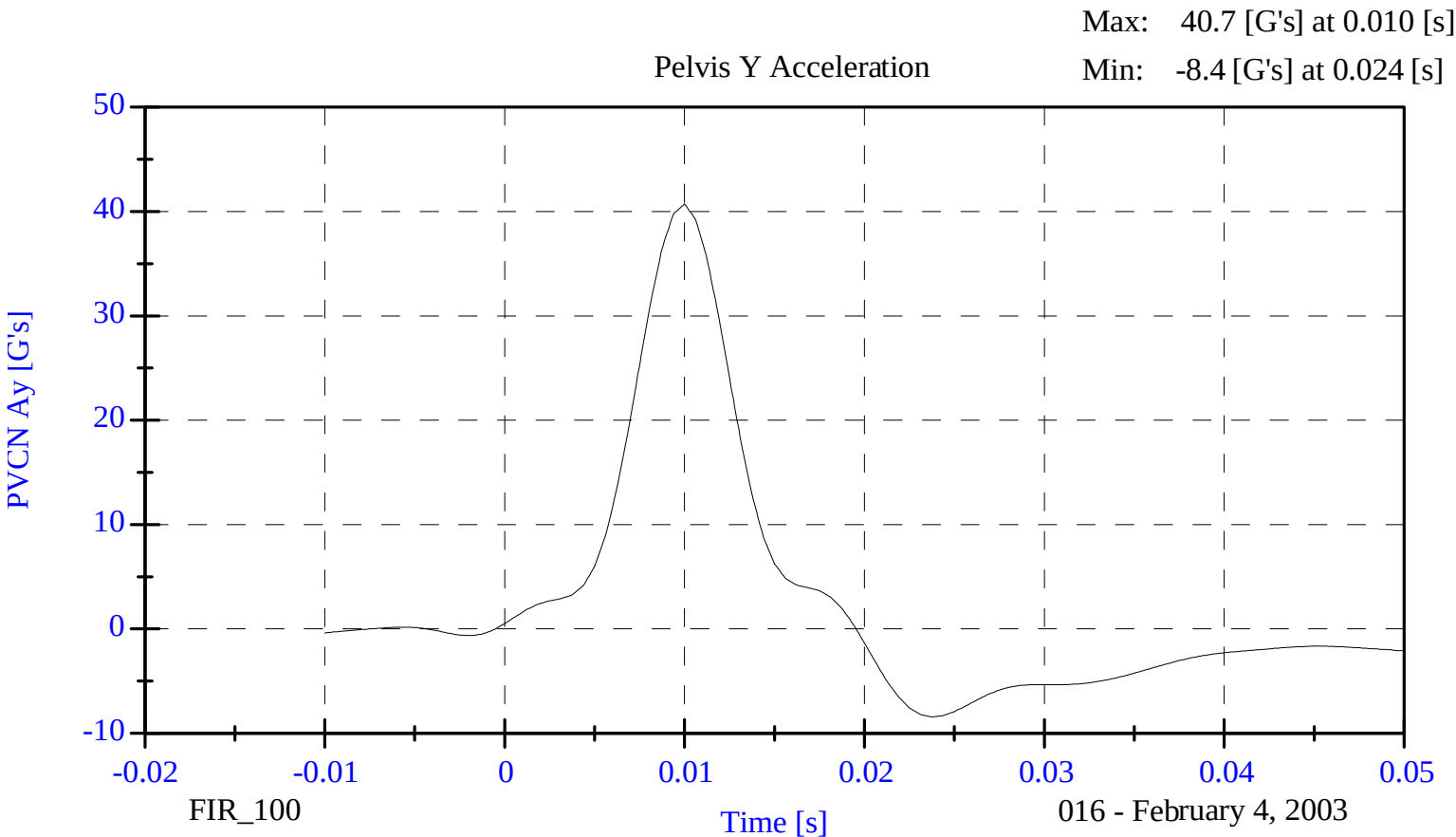
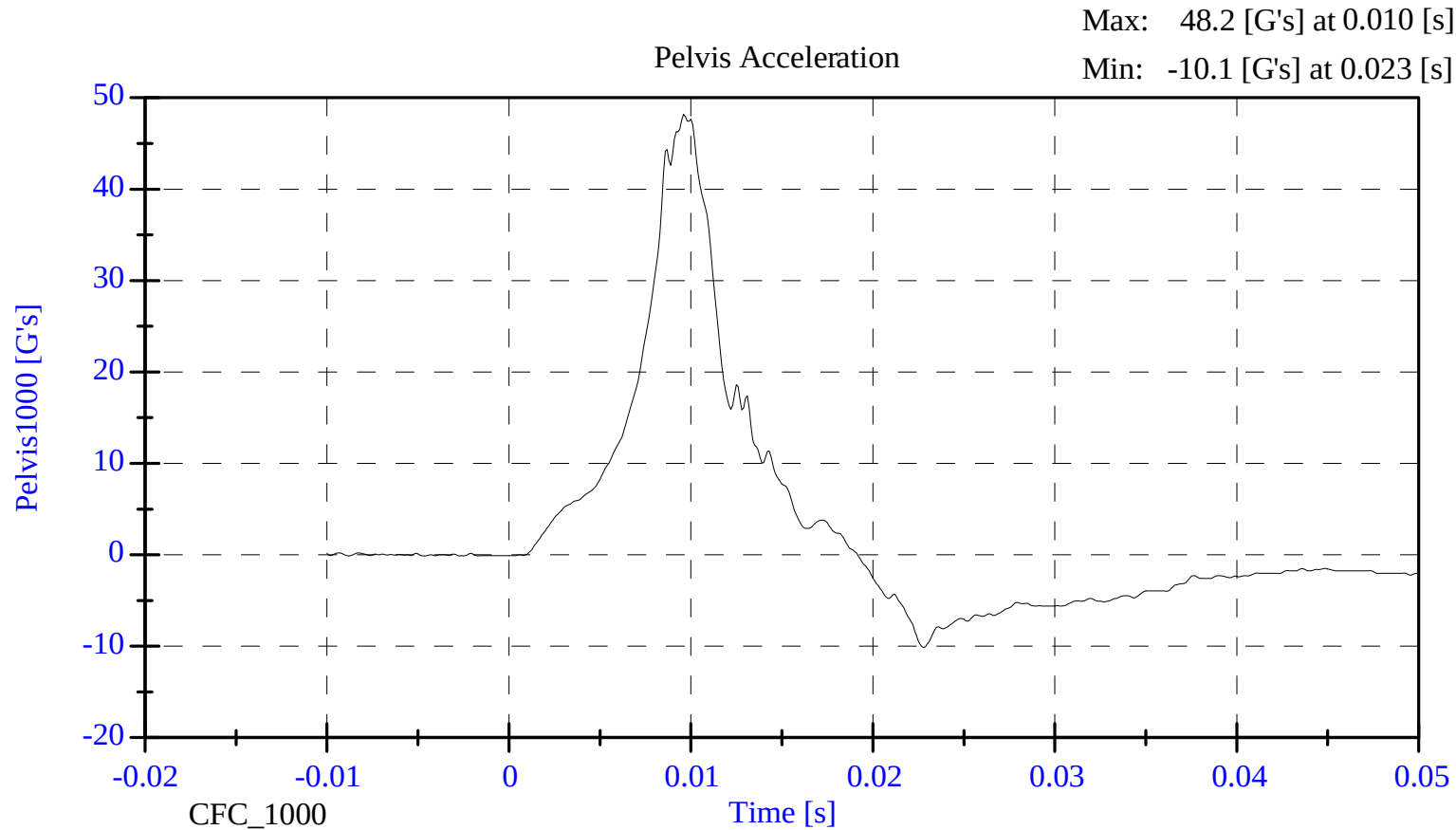
**LATERAL PELVIS IMPACT TEST
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 016 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	40.00
PROBE SPEED (m/s)	4.27 - 4.33	4.28
PELVIS ACCELERATION (g's)	40 - 60	40.73

REMARKS: None



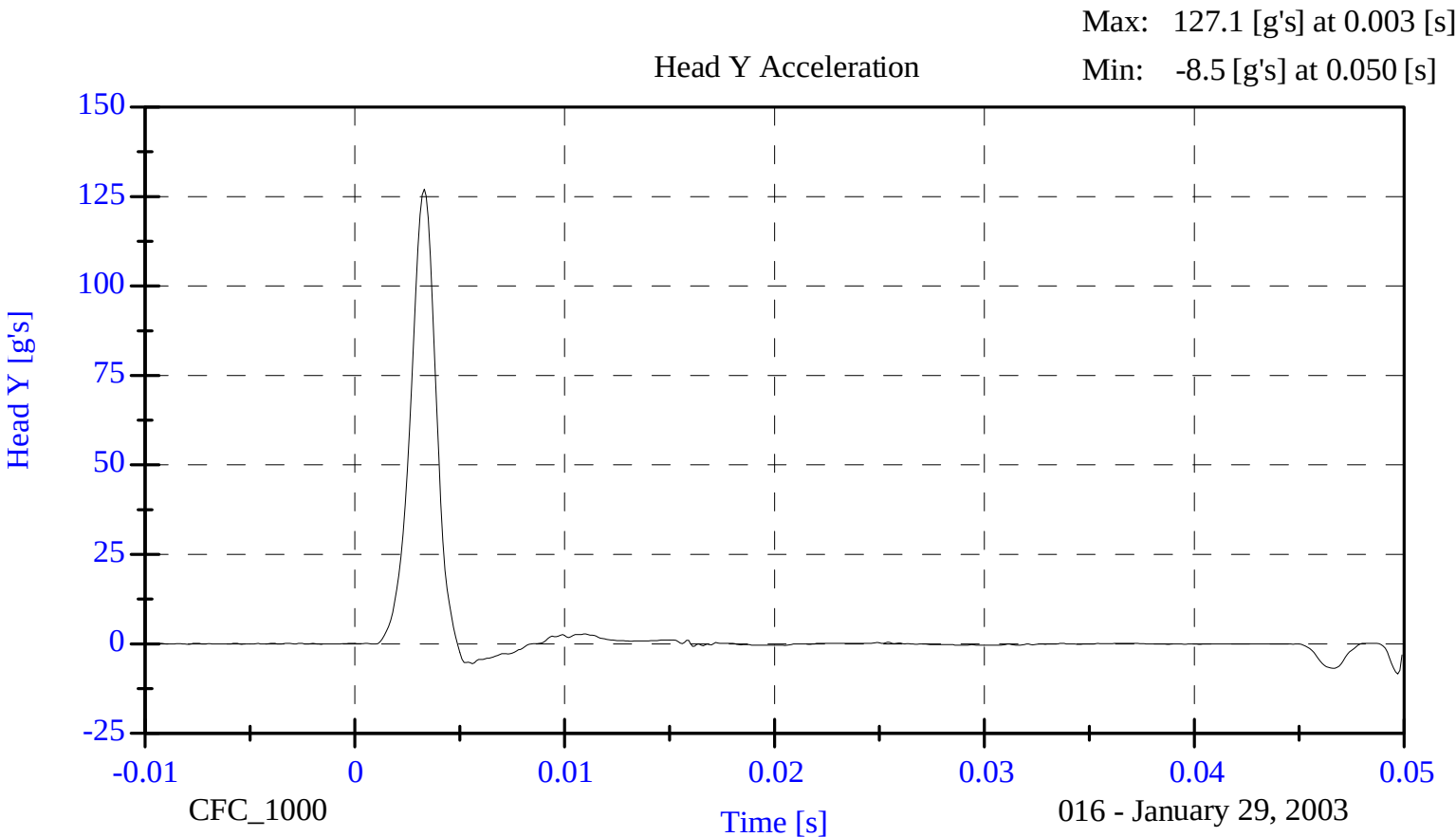
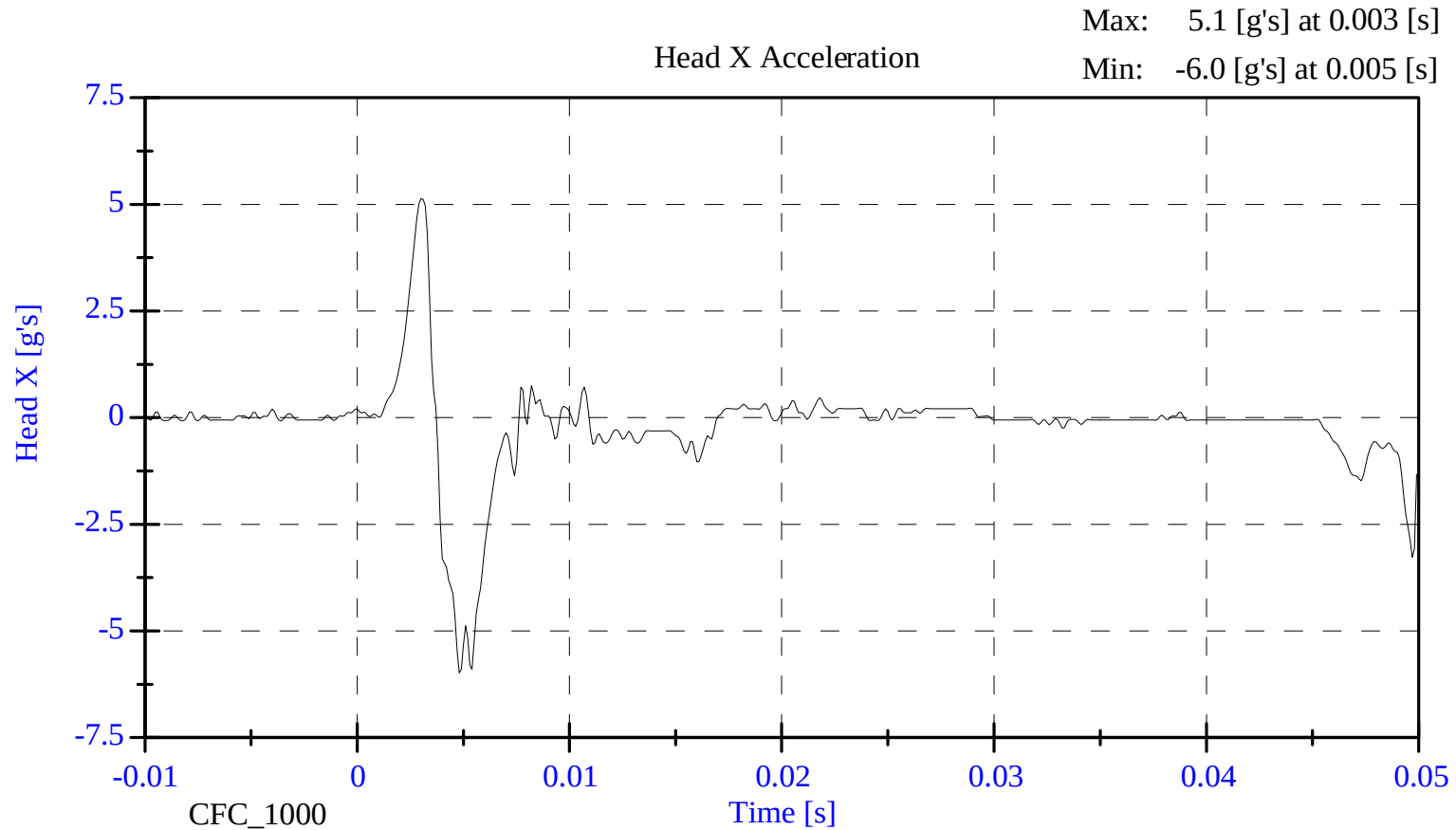
**HEAD DROP TEST
POST-TEST**
(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

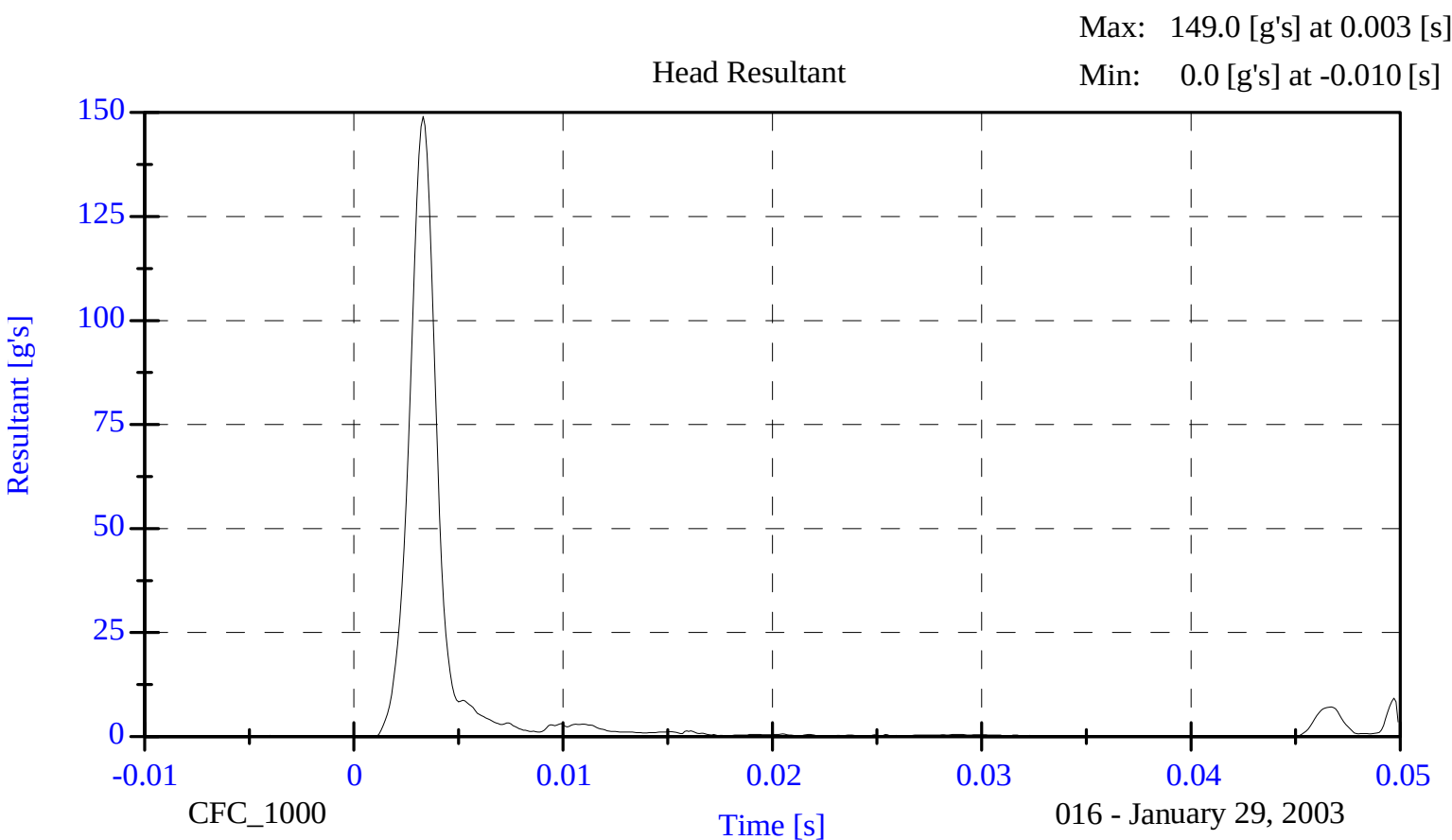
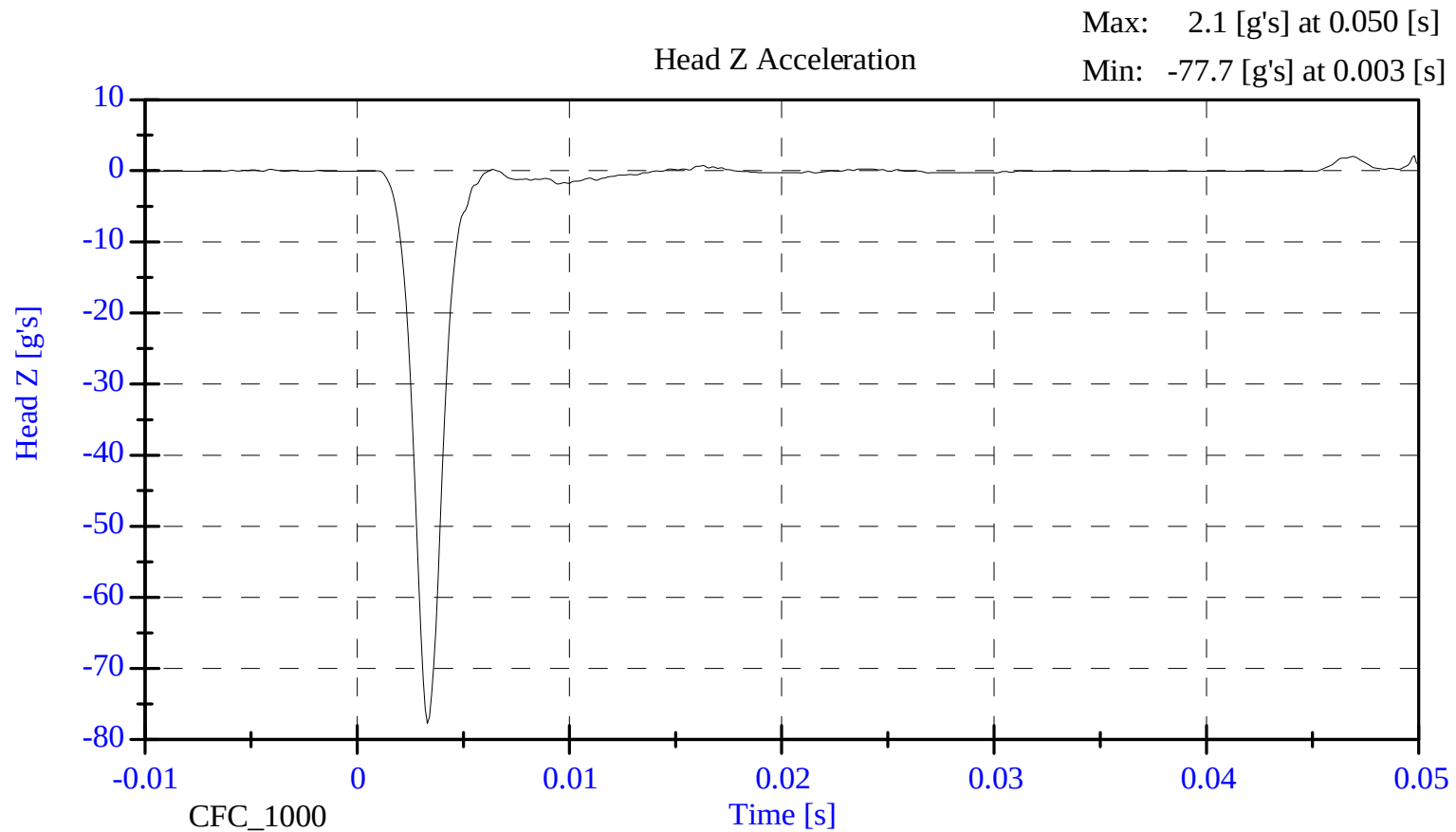
SID Serial No.: 016 Sequential Test Number: 1
Date: January 29, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	20.6 – 22.2	21.1
RELATIVE HUMIDITY (%)	10 – 70	34.00
PEAK RESULTANT ACCELERATION (Gs)	120 – 150	149.05
PEAK LATERAL ACCELERATION (Gs)	Not to Exceed 15	5.13
CURVE PERCENT NONMODAL (%)	< 15	6.23

REMARKS: None



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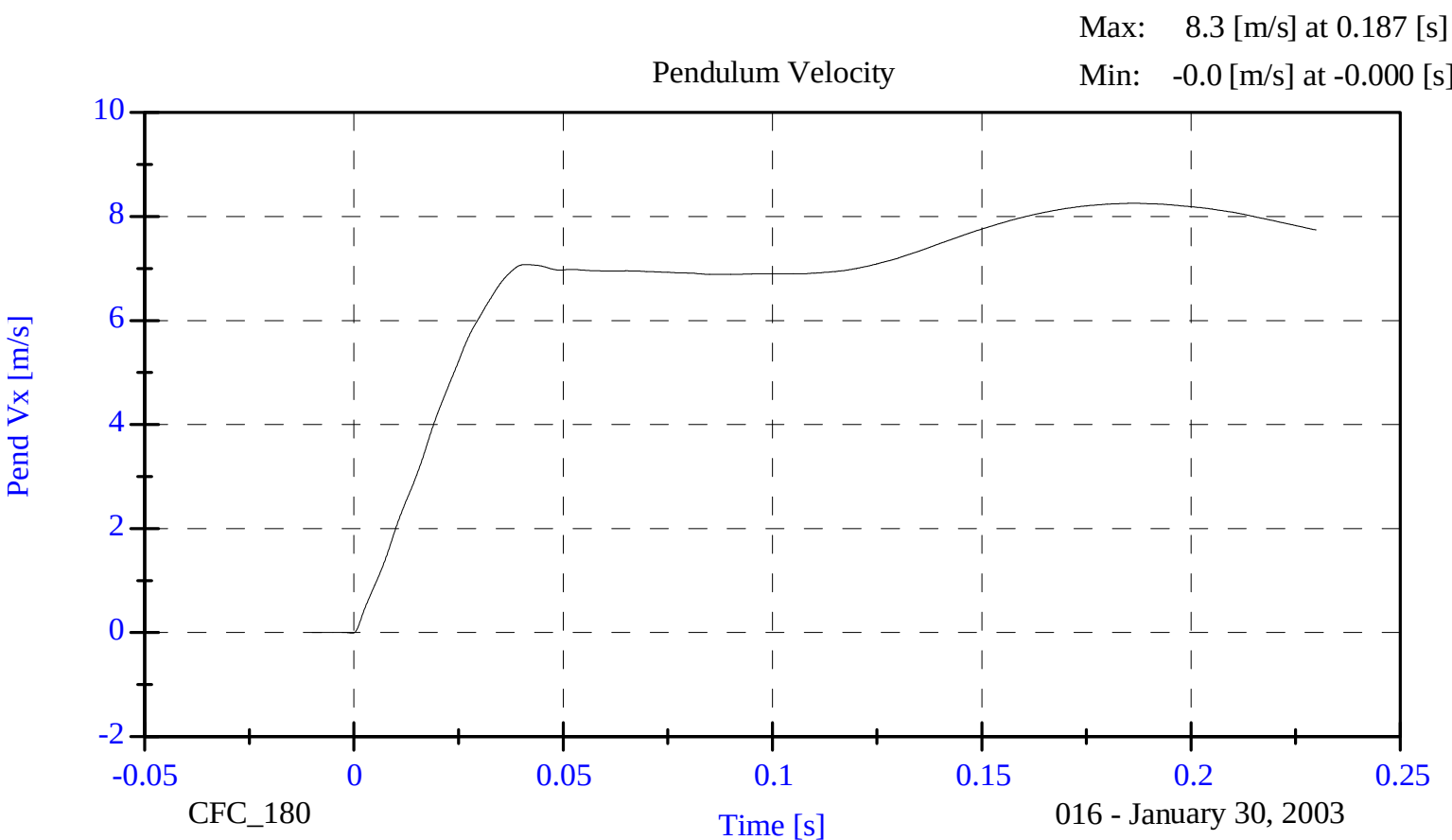
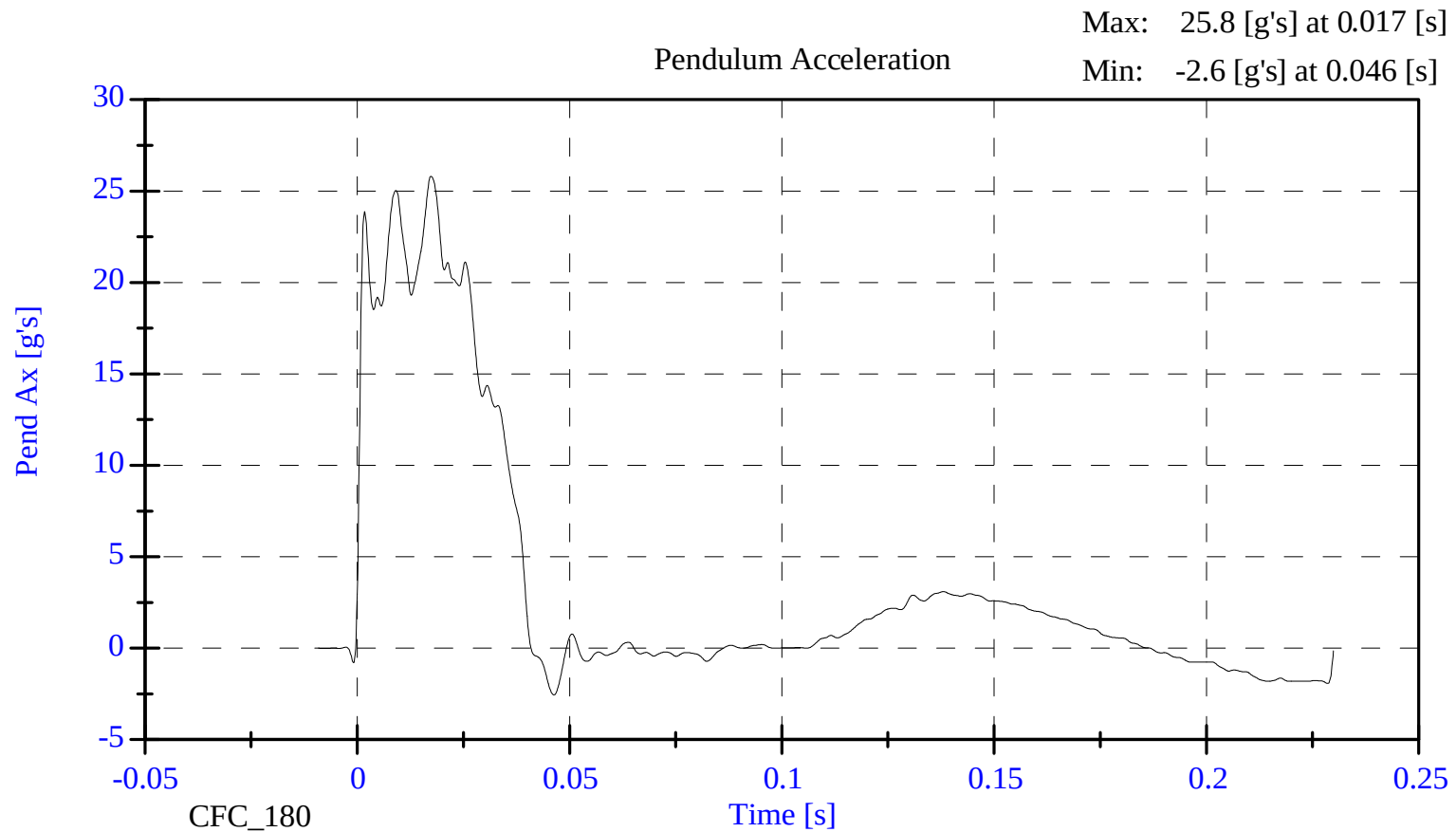
LATERAL NECK BENDING TEST
POST-TEST
(Test not required for SID certification)

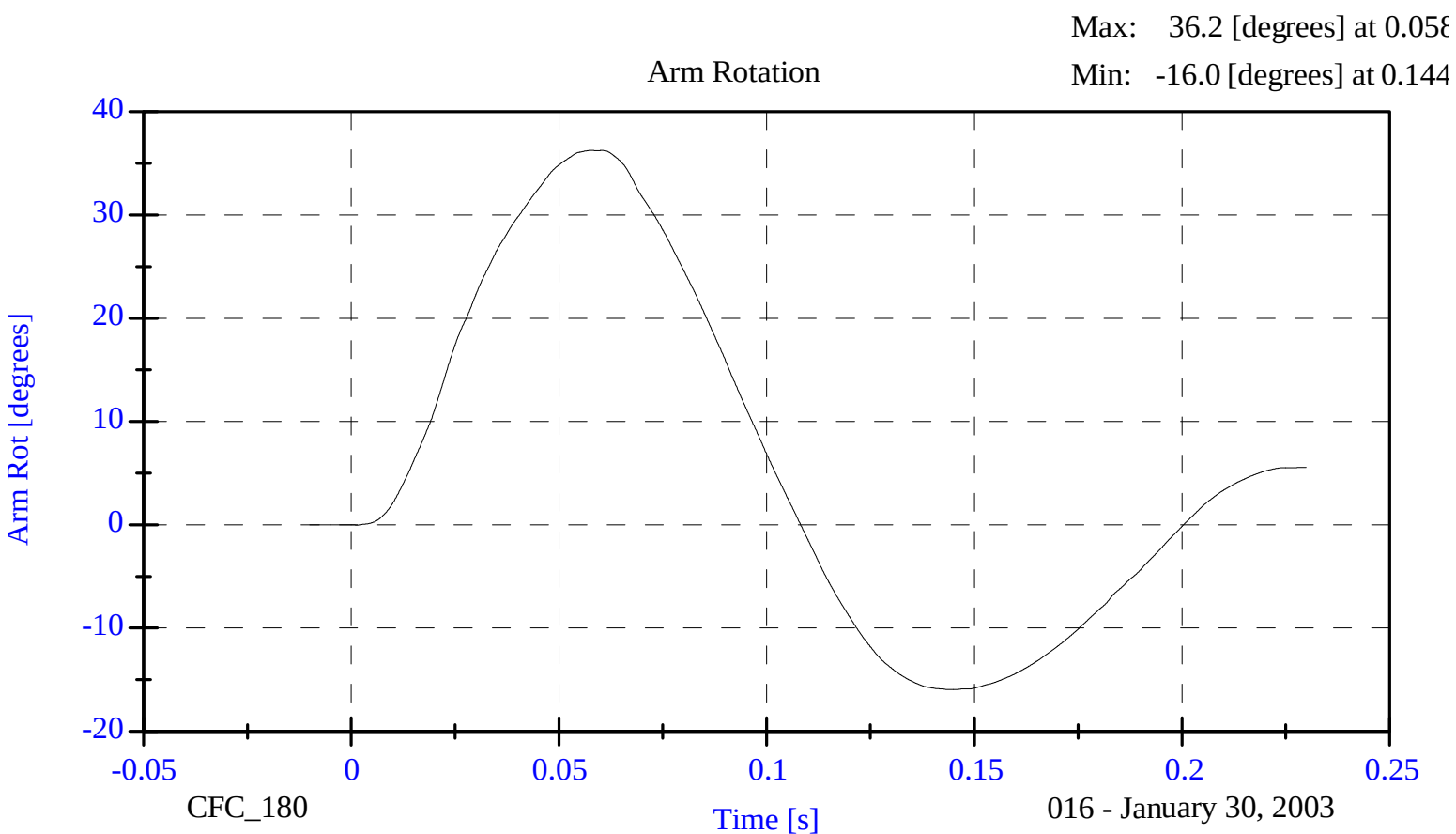
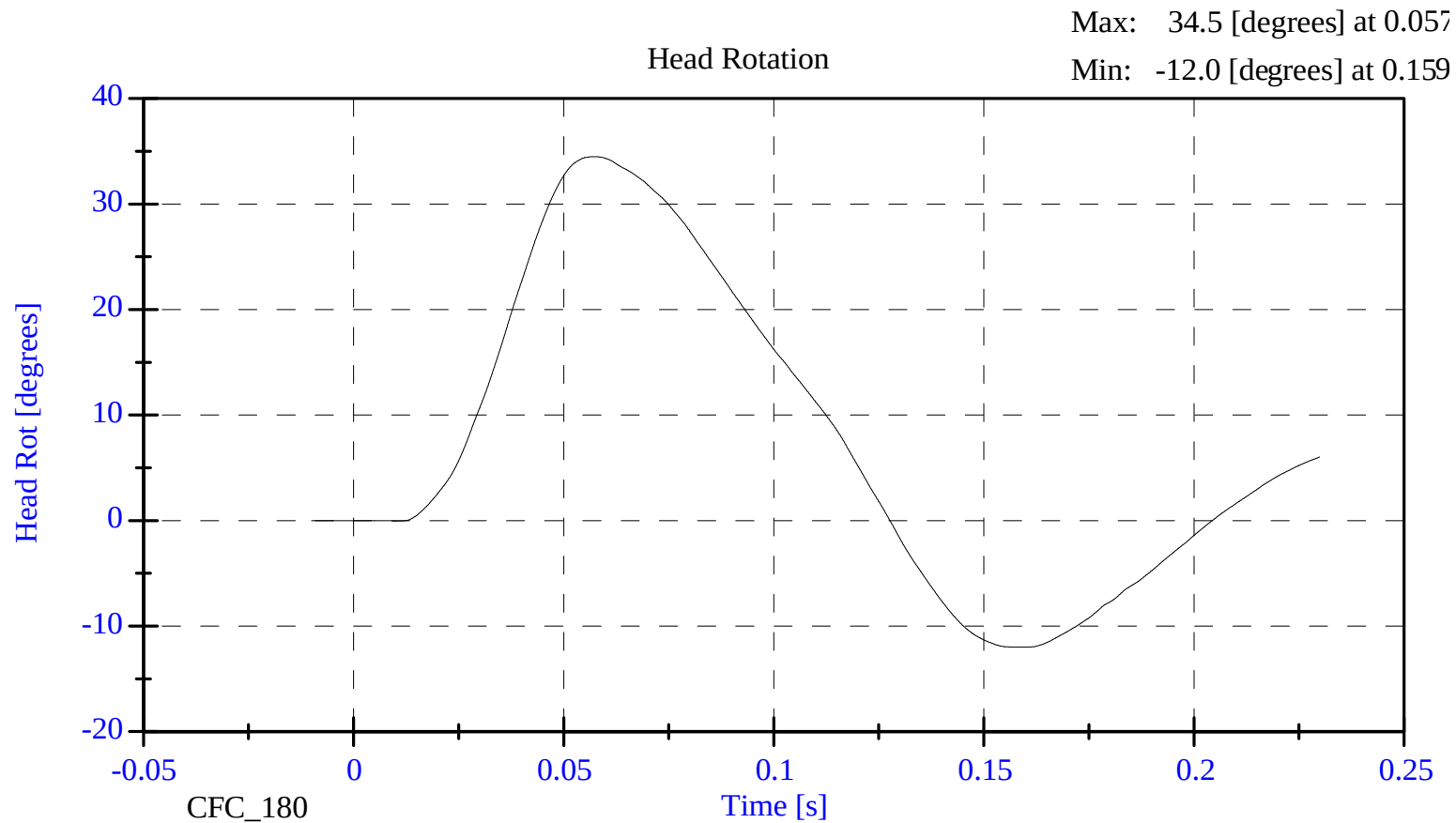
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 016 Sequential Test Number: 1
Date: January 30, 2003 Laboratory Technician: B. Swiecicki

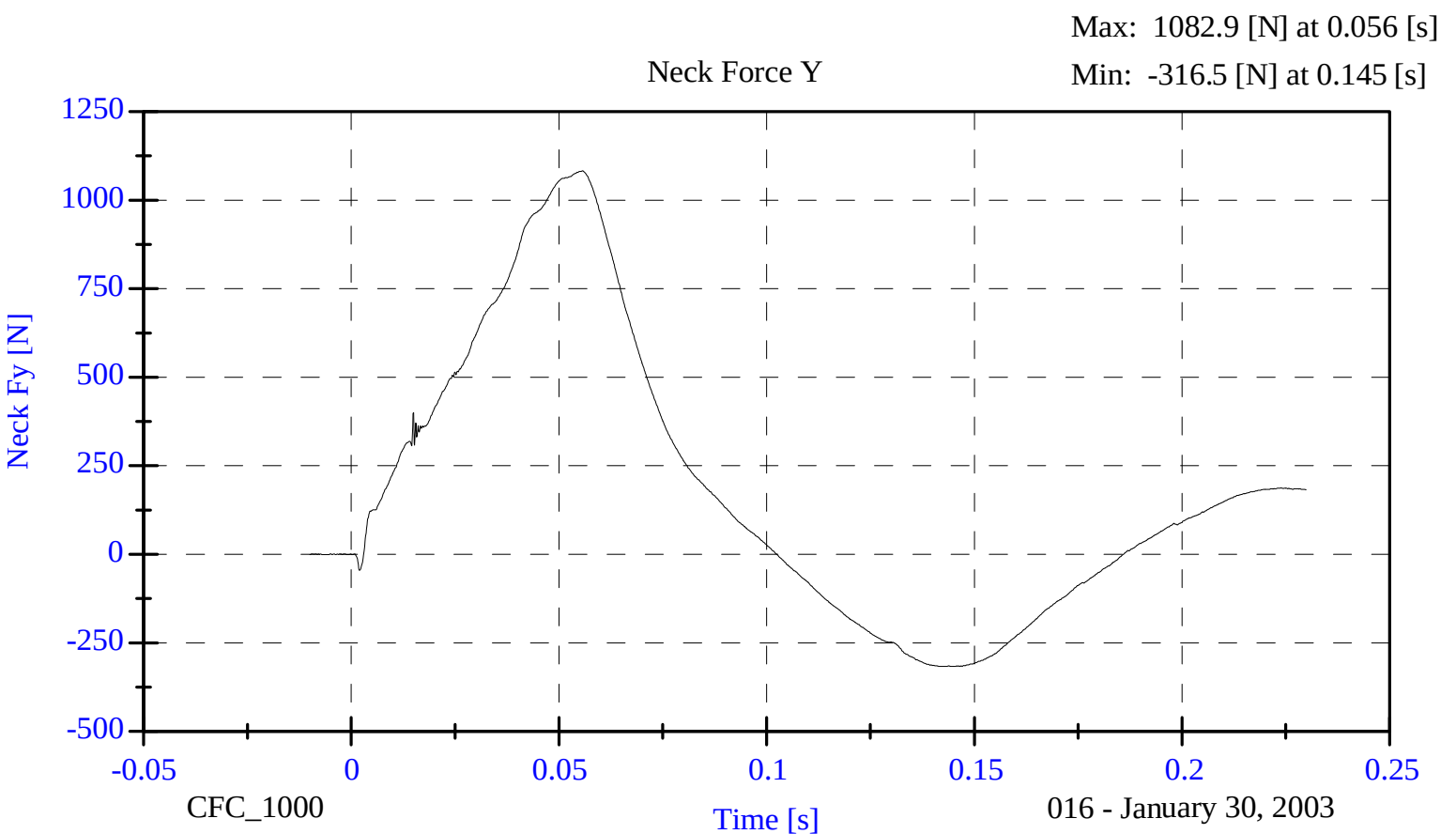
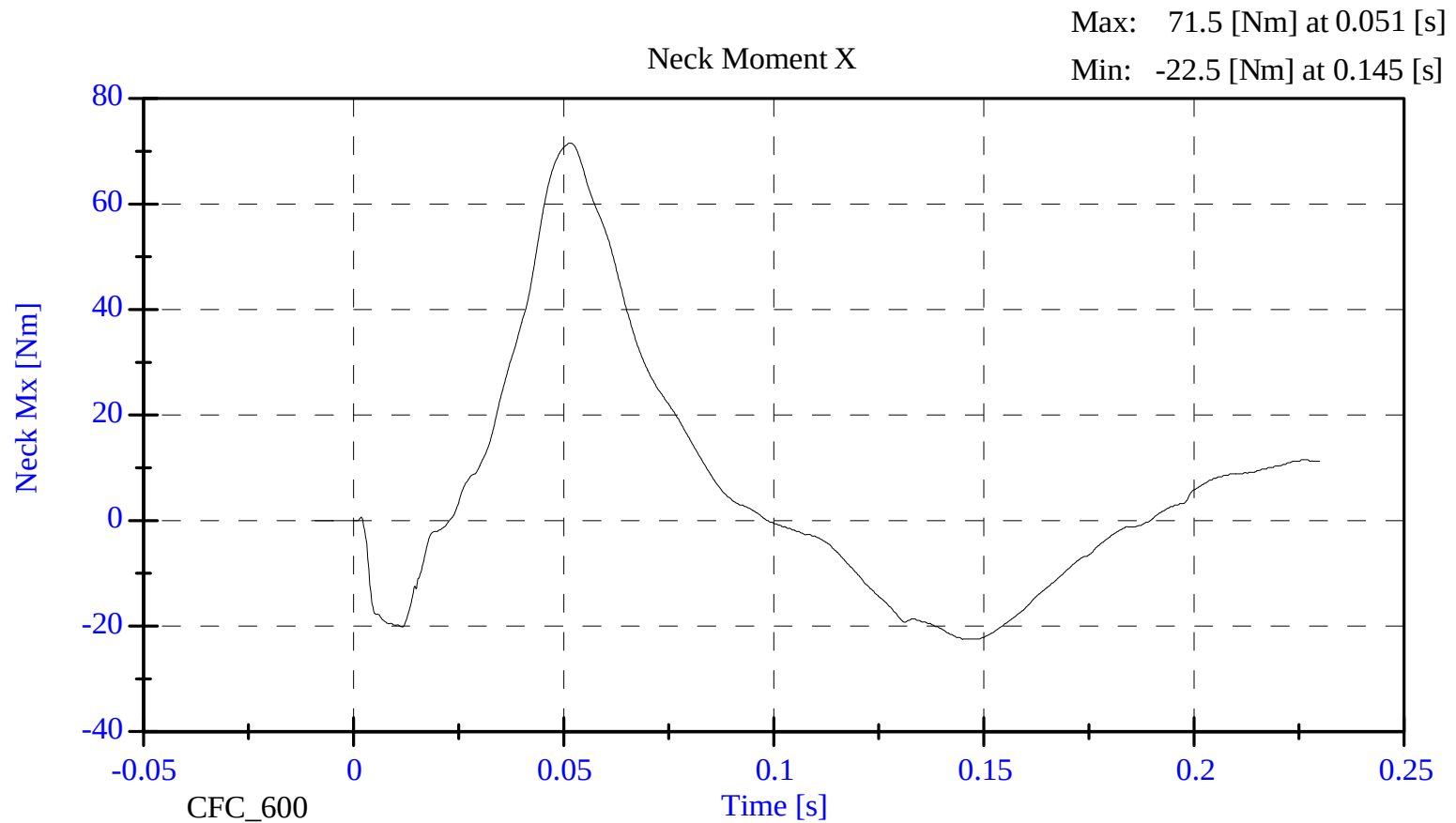
TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	20.6 - 22.2	21.1
RELATIVE HUMIDITY (%)	10 - 70	38.0
IMPACT VELOCITY (m/s)	6.89 – 7.13	7.09
PENDULUM DELTA V		
DELTA V @ 10 ms (m/s)	1.96 – 2.55	2.00
DELTA V @ 20 ms (m/s)	4.12 – 5.10	4.21
DELTA V @ 30 ms (m/s)	5.73 – 7.01	6.06
DELTA V @ 40-70 ms (m/s)	6.27 – 7.64	7.07
D PLANE ROTATION		
MAXIMUM ROTATION (deg)	64 – 78	70.73
ROT. ANGLE TIME to ZERO (ms)	50 – 70	59.60
MOMENT ABOUT THE OCCIPITAL CONDYLE		
MAX OCCIPITAL MOMENT (Nm)	88 – 108	90.46
OCCIPITAL MOMENT DECAY (ms)	40.0 – 60.0	46.80
HEAD ROTATION TIME WITH RESPECT TO THE OCCIPITAL CONDYLE MOMENT		
ROTATION wrt MOMENT (ms)	0 – 20	5.90

REMARKS: None

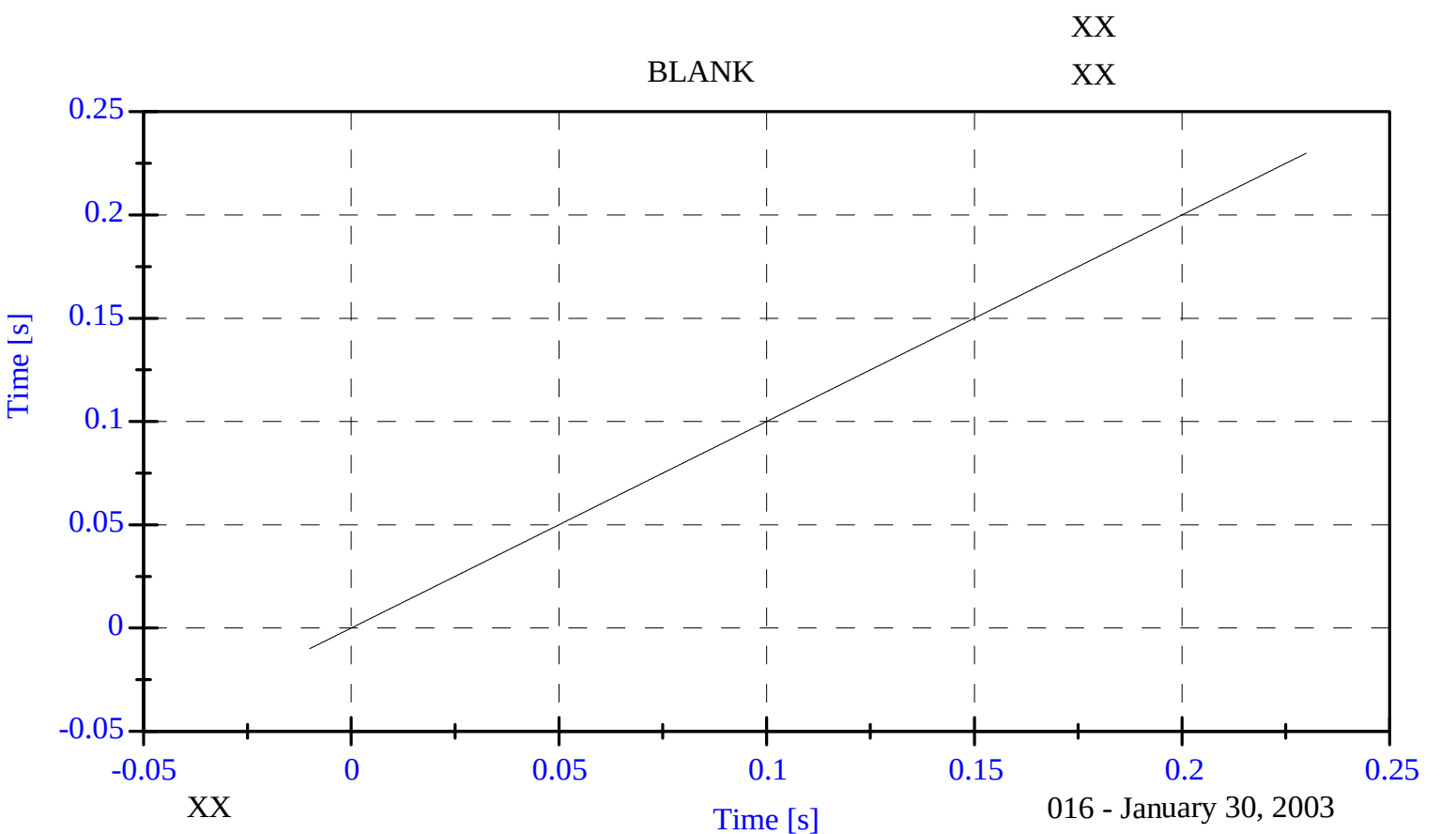
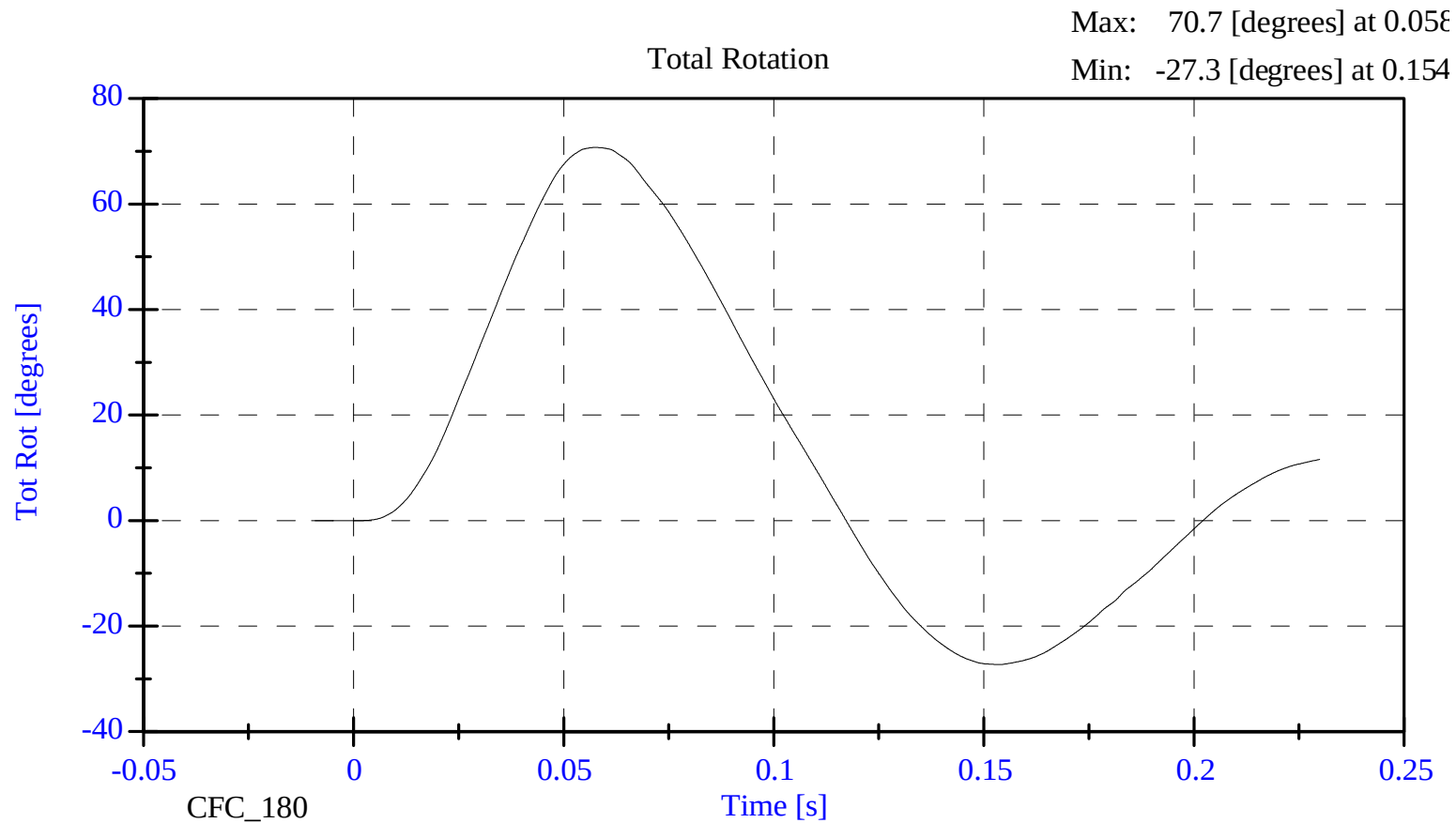




016 - January 30, 2003



016 - January 30, 2003



**ABDOMINAL COMPRESSION TEST
POST TEST**

(Test not required for SID certification)

CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 016 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	40.0
FORCE @ 13 mm (N)	104 - 162	109.0
FORCE @ 19 mm (N)	163 - 221	177.9
FORCE @ 25 mm (N)	222 - 280	253.5
FORCE @ 33 mm (N)	325 - 391	369.2

REMARKS: None

Dummy S/N 016

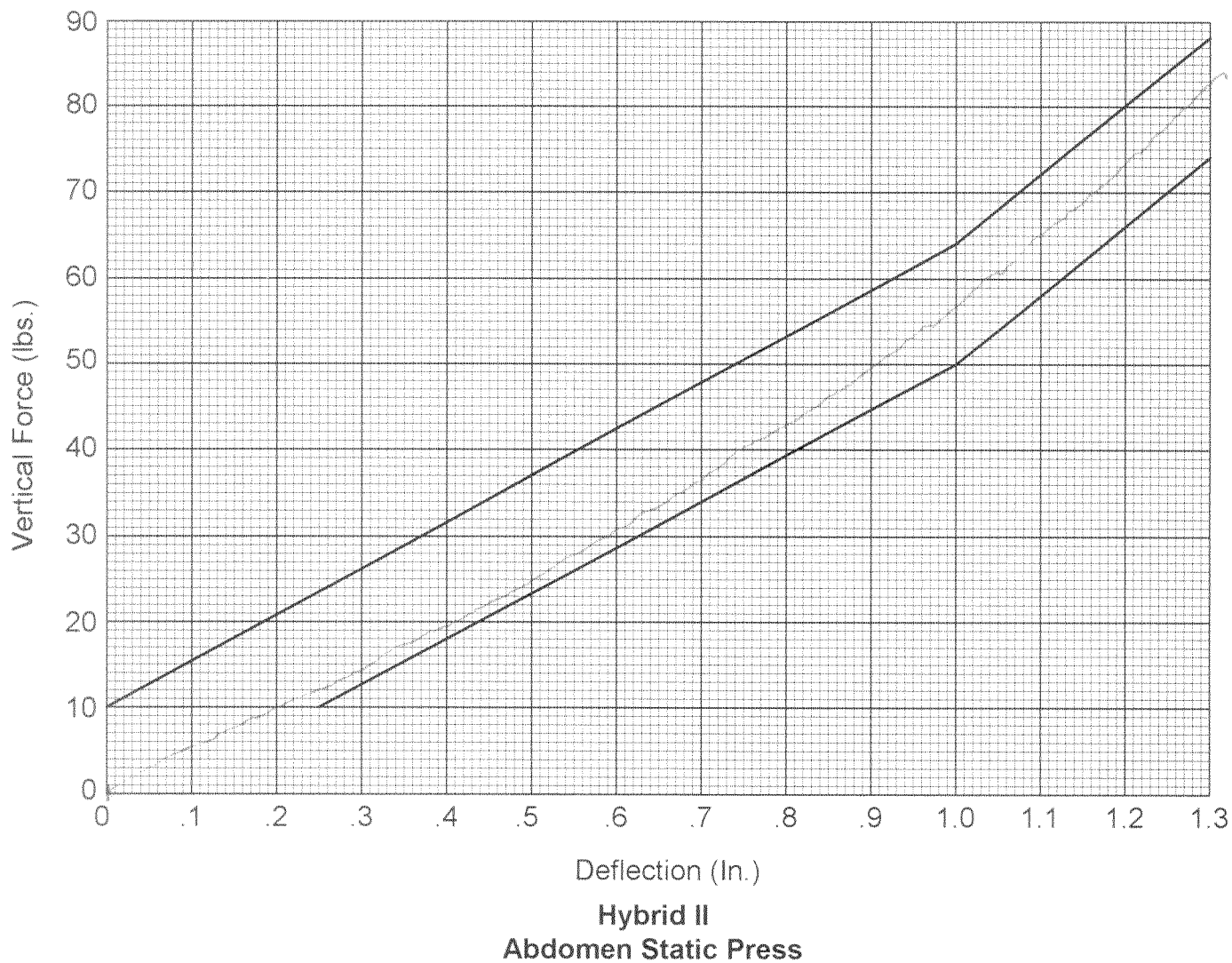
W/A _____

Date 2-4-03

Performed By [Signature]

Temp. 70°

Humidity 40%



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

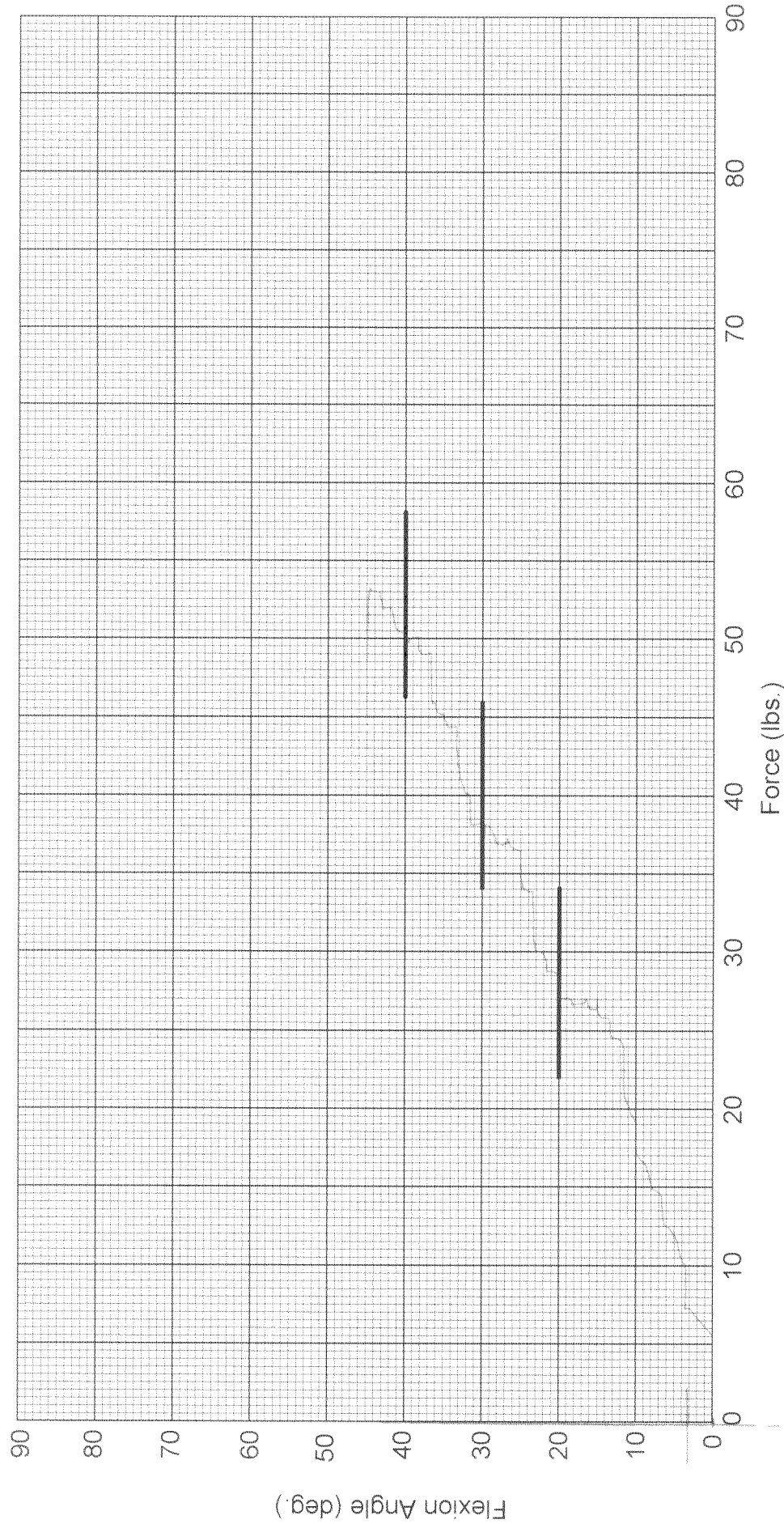
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 016 Sequential Test Number: 1
Date: February 4, 2003 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
TEMPERATURE (°C)	18.9 - 25.5	21.1
RELATIVE HUMIDITY (%)	10 - 70	40.0
FORCE @ 0° (N)	0 - 26.7	0
FORCE @ 20° (N)	97.8 - 151.2	120.1
FORCE @ 30° (N)	151.2 - 204.6	169.0
FORCE @ 40° (N)	204.6 - 258	222.4
RETURN ANGLE	12° max.	4

REMARKS: None

Dummy S/N 016
 W/A _____
 Date 2-4-03
 Performed By [Signature]
 Temp. 70°
 Humidity 40%



Hybrid II Lumbar Spine Flexion Test

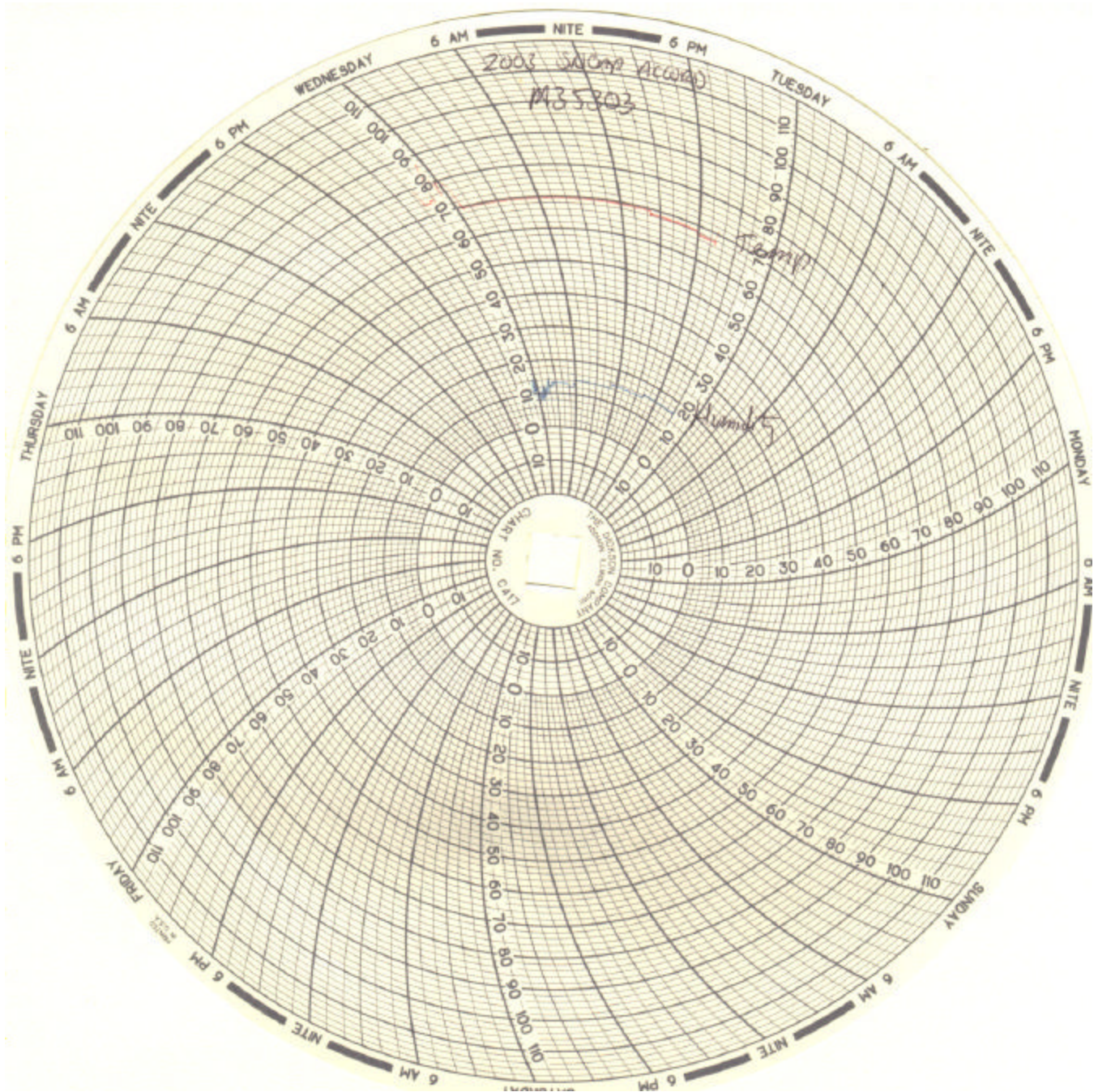
POST TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID H3 Serial No.: 016 Sequential Test Number: 1
Date: February 4, 2003 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 AX	AC-P23993	ENDEVCO	04-Oct-02
HEAD AY	AC-P23939	ENDEVCO	04-Oct-02
HEAD AZ	AC-P23999	ENDEVCO	04-Oct-02
UPPER NECK FX	LC-260Fx	DENTON	12-Nov-02
UPPER NECK FY	LC-260Fy	DENTON	12-Nov-02
UPPER NECK FZ	LC-260Fz	DENTON	12-Nov-02
UPPER NECK MX	LC-260Mx	DENTON	12-Nov-02
UPPER NECK MY	LC-260My	DENTON	12-Nov-02
UPPER NECK MZ	LC-260Mz	DENTON	12-Nov-02
UPPER RIB	AC-P16862	ENDEVCO	16-Aug-02
LOWER RIB	AC-P16656	ENDEVCO	16-Aug-02
LOWER SPINE	AC-P16866	ENDEVCO	16-Aug-02
PELVIS	AC-P16676	ENDEVCO	16-Aug-02
UPPER RIB REDUNDANT	AC-P23156	ENDEVCO	16-Aug-02
LOWER RIB REDUNDANT	AC-P16645	ENDEVCO	15-Aug-02
LOWER SPINE REDUNDANT	AC-P16823	ENDEVCO	16-Aug-02
PELVIS REDUNDANT	AC-P16843	ENDEVCO	16-Aug-02

	REAR SID NO.: 016		
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
HEAD AX	AC-P23960	ENDEVCO	10-Oct-02
HEAD AY	AC-P23940	ENDEVCO	09-Oct-02
HEAD AZ	AC-P23899	ENDEVCO	10-Oct-02
UPPER NECK FX	LC-261Fx	DENTON	12-Nov-02
UPPER NECK FY	LC-261Fy	DENTON	12-Nov-02
UPPER NECK FZ	LC-261Fz	DENTON	12-Nov-02
UPPER NECK MX	LC-261Mx	DENTON	12-Nov-02
UPPER NECK MY	LC-261My	DENTON	12-Nov-02
UPPER NECK MZ	LC-261Mz	DENTON	12-Nov-02
UPPER RIB	AC-P18524	ENDEVCO	14-Aug-02
LOWER RIB	AC-P18533	ENDEVCO	14-Aug-02
LOWER SPINE	AC-P18514	ENDEVCO	14-Aug-02
PELVIS	AC-P18519	ENDEVCO	14-Aug-02
UPPER RIB REDUNDANT	AC-P18528	ENDEVCO	14-Aug-02
LOWER RIB REDUNDANT	AC-P18518	ENDEVCO	14-Aug-02
LOWER SPINE REDUNDANT	AC-P18688	ENDEVCO	14-Aug-02
PELVIS REDUNDANT	AC-P18531	ENDEVCO	14-Aug-02

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-P18639	ENDEVCO	06-Aug-02
RIGHT FRONT SILL (Y)	AC-P19222	ENDEVCO	06-Aug-02
RIGHT FRONT SILL (Z)	AC-P18663	ENDEVCO	06-Aug-02
RIGHT REAR SILL (X)	AC-P18785	ENDEVCO	14-Aug-02
RIGHT REAR SILL (Y)	AC-P18537	ENDEVCO	14-Aug-02
RIGHT REAR SILL (Z)	AC-P18516	ENDEVCO	14-Aug-02
REAR FLOORPAN ABOVE AXLE (X)	AC-J29805	ENDEVCO	18-Sep-02
REAR FLOORPAN ABOVE AXLE (Y)	AC-J32383	ENDEVCO	29-Aug-02
REAR FLOORPAN ABOVE AXLE (Z)	AC-J25745	ENDEVCO	27-Aug-02
LEFT REAR SILL (Y)	AC-BB51	ENDEVCO	05-Aug-02
LEFT FRONT SILL (Y)	AC-J32098	ENDEVCO	30-Jul-02
LEFT FRONT DOOR CENTERLINE (Y)	AC-J32791	ENDEVCO	18-Sep-02
RIGHT REAR SEAT OCCUPANT COMP. (Y)	AC-D77	ICS	10-Jan-03
MID REAR OF LEFT FRONT DOOR (Y)	AC-P18948	ENDEVCO	29-Jul-02
LEFT FRONT DOOR UPPER C/L (Y)	AC-P18728	ENDEVCO	01-Oct-02
MID REAR OF LEFT REAR DOOR (Y)	AC-P23884	ENDEVCO	10-Oct-02
LEFT REAR DOOR UPPER C/L (Y)	AC-P23804	ENDEVCO	10-Oct-02
LOWER LEFT B- PILLAR (Y)	AC-P23802	ENDEVCO	11-Oct-02
MIDDLE LEFT B-PILLAR (Y)	AC-J33198	ENDEVCO	01-Oct-02
LOWER LEFT A-PILLAR (Y)	AC-P17535	ENDEVCO	06-Aug-02
UPPER LEFT A-PILLAR (Y)	AC-P22943	ENDEVCO	29-Jul-02
FRONT SEAT TRACK (Y)	AC-B03	ENTRAN	01-Aug-02
VEHICLE CG (X)	AC-P19253	ENDEVCO	17-Sep-02
VEHICLE CG (Y)	AC-P21392	ENDEVCO	17-Sep-02
VEHICLE CG (Z)	AC-P23138	ENDEVCO	17-Sep-02
MDB CG (X)	AC-C16682	ENDEVCO	05-Sep-02
MDB CG (Y)	AC-CJ54	ENDEVCO	05-Sep-02
MDB CG (Z)	AC-GK12	ENDEVCO	05-Sep-02
MDB REAR FRAME MEMBER (X)	AC-CX05	ENDEVCO	05-Sep-02
MDB REAR FRAME MEMBER (Y)	AC-C16685	ENDEVCO	05-Sep-02

REMARKS: None