

REPORT NUMBER: 201U-CAL-06-08

**SAFETY COMPLIANCE TESTING FOR FMVSS 201
OCCUPANT PROTECTION IN INTERIOR IMPACT
UPPER INTERIOR HEAD IMPACT PROTECTION**

**FORD MOTOR CO.
2006 FORD 500 SE**

NHTSA NUMBER: C60200

CALSPAN TEST NUMBER: 8754FMH-15

CALSPAN
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Test Date: May 25, 2006

FINAL REPORT

PREPARED FOR:

U. S. DEPARTMENT OF TRANSPORTATION
National Highway Traffic Safety Administration
Enforcement
Office of Vehicle Safety Compliance
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15. <i>Supplementary Notes</i>																							
16. <i>Abstract</i> Compliance tests were conducted on the subject vehicle, a 2006 Ford 500 SE, in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure TP-201U-01 for determination of FMVSS 201 compliance. Test failures identified were as follows in the table below:																							
<table border="1"> <thead> <tr> <th>Target Point</th> <th>Horizontal</th> <th>Vertical</th> <th>Velocity</th> <th>HIC</th> <th>HICd</th> </tr> </thead> <tbody> <tr> <td>None</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>None</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>						Target Point	Horizontal	Vertical	Velocity	HIC	HICd	None	-	-	-	-	-	None	-	-	-	-	-
Target Point	Horizontal	Vertical	Velocity	HIC	HICd																		
None	-	-	-	-	-																		
None	-	-	-	-	-																		
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SECTION 1

PURPOSE AND TEST PROCEDURE

This head impact compliance test is part of the FMVSS 201, Upper Interior Head Impact Protection, Test Program sponsored by the National Highway Traffic Safety Administration (NHTSA) under Contract No. DTNH22-04-C-01027. The purpose of this head impact compliance test was to determine whether the subject vehicle, a 2006 Ford 500 SE, NHTSA No.C60200, met the performance requirements of FMVSS 201, Occupant Protection in Interior Impact. The compliance test was conducted in accordance with the OVSC Laboratory Test Procedure No. TP-201U-01 dated April_03, 1998.

SECTION 2

SUMMARY OF UPPER INTERIOR HEAD IMPACTS

A 2006 Ford 500 SE , NHTSA No.C60200 , was tested at various upper interior locations by a 4.54 kg 50th percentile headform. A total of twelve (12) impacts were performed in the test series with the target areas tested selected by the NHTSA Contracting Officers Technical Representative. A summary of test results can be found on Data Sheet 2-1, Summary of Upper Interior Head Impact Tests. The twelve (12) areas chosen for testing were:

AP3	AP1	BP4	BP3	URBP
SR3	OP2	RP1	BP2	BP1
AP2	SR2A			

The selected impact areas on the test vehicle appeared to comply with the performance requirements of FMVSS 201.

Five Free Motion Headforms (FMH) were used in this test series. All five FMH's were calibrated prior to and after the test series. Calibration information are included in Appendix B. Each FMH weighed 4.54 ± 0.5 kg and had an orthogonal tri-axis accelerometer pack mounted at the headform's center of gravity (c.g.).

A total of three (3) channels of data for each test were recorded on a Keyser-Threde data acquisition system. Data plots, along with still images, can be found in Section 3, Summary of Test Results and Data Plots.

To document each target area impact test, a Weinberger high-speed video camera was placed at an appropriate location to record the headform contact with the selected target area.

DATA SHEET 2-1

SUMMARY OF UPPER INTERIOR HEAD IMPACT TESTS

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

TARGET CODE	Target Coordinates						Approach Angles (degrees)		Velocity (kph)	FMH HIC	HIC(d)
	Driver Side			Passenger Side			Horizontal	Vertical			
	X(mm)	Y(mm)	Z(mm)	X(mm)	Y(mm)	Z(mm)					
AP1	3126.406	-579.785	2049.952	3131.176	583.408	2053.078	118°	43°	23.50	395.1	464.5
AP2	2930.416	-628.686	1963.603	2928.544	630.764	1964.345	218°	45°	23.68	1075.2	977.6
AP3	2781.232	-654.809	1889.131	2780.770	659.310	1888.524	137°	40°	23.69	608.1	625.2
BP1	3624.026	-530.021	2158.573	3623.003	533.192	2162.436	270°	14°	23.44	594.4	614.9
BP2	3590.096	-623.673	1899.393	3592.243	626.156	1901.060	270°	11°	23.64	878.1	828.9
BP3	3545.095	-637.850	1942.543	3548.811	638.785	1943.099	80°	(-8)°	23.43	493.9	539.1
BP4	3651.166	-673.183	1831.014	3650.710	673.446	1833.355	143°	(-6)°	23.81	815.2	781.5
FH1	3060.192	-474.741	2081.583	3066.886	481.923	2081.731	Relocated 3 circles		-	-	-
FH1_R3	3059.157	-419.049	2098.452	3056.002	413.675	2100.290	-	-	-	-	-
FH2	3023.936	-325.441	2101.226	3051.204	331.995	2106.753	-	-	-	-	-
OP1	4317.822	-501.618	2150.914	4308.912	504.482	2154.407	-	-	-	--	-
OP2	4438.698	-646.698	1951.039	4435.181	648.759	1953.473	90°	0°	23.31	643.1	651.6
RH	4505.584	-381.033	2126.198	4491.802	381.424	2132.869	-	-	-	-	-
RP1	4519.690	-545.373	2063.723	4518.758	545.158	2065.675	64°	11°	23.65	276.9	375.3
RP2	4700.406	-616.657	1915.501	4688.956	622.961	1916.098	Relocated 5 circles		-	-	-
RP2_R5	4624.022	-579.943	1995.279	4639.632	581.888	1990.455	-	-	-	-	-
SR1	3276.707	-529.651	2131.314	3283.513	532.669	2153.526	Relocated 1 circle		-	-	-
SR1_R1	3302.194	-530.786	2135.481	3290.734	492.982	2141.606	-	-	-	-	-
SR2A	3425.718	-528.420	2151.475	3432.209	527.026	2173.442	Relocated 2 circles		-	-	-
SR2A_R2	-	-	-	3444.493	485.634	2156.234	270°	21°	23.47	426.7	488.3
SR2B	3323.647	-528.917	2141.300	3324.495	535.050	2153.556	Relocated 2 circles		-	-	-
SR2B_R2	-	-	-	3352.191	550.263	2125.897	-	-	-	-	-
SR3F	3876.509	-490.969	2163.130	3876.657	493.597	2165.286	90°	38°	23.56	626.1	638.8
SR3R	4029.241	-493.469	2153.763	4028.196	495.124	2156.781	-	-	-	-	-
URAP	3296.903	-399.199	2159.089	3303.777	393.760	2165.548	-	-	-	-	-

URBP	3628.449	-400.331	2202.044	3619.535	400.979	2203.423	90°	50°	23.77	903.4	848.0
UROPRP	4337.098	-405.140	2180.120	4334.264	402.655	2182.970	-	-	-	-	-
URRSR	4118.381	-404.263	2194.203	4085.635	403.184	2199.215	-	-	-	-	-

*HIC(d)=0.75446(Free Motion Headform HIC)+166.4

DATA SHEET 2-2

GENERAL TEST AND VEHICLE PARAMETER DATA

TEST VEHICLE INFORMATION:									
Year/Make/Model/Body Style:				2006 Ford 500 SE					
VIN:				1FAFP23106G104130					
Month & Year of Manufacture:				07/05 (SEE CERTIFICATION LABEL)					
Vehicle Body Color:				Red					
Engine Data:	6	Cylinders;	-	CID;	3.0	Liters;	-	cc	
Engine Placement:		x	Longitudinal;	or		-	Lateral		
Transmission:	4	Speed;	-	Manual;	x	Automatic;	-	Overdrive	
Final Drive:	-	Rear Wheel Drive;	x	Front Wheel Drive;	-	Four Wheel Drive			
Odometer Reading:		40	km						
Options:	x	A/C;	x	Power Steering;	x	Pwr.Brakes;	x	Pwr. Windows	
Interior Trim Information :									
1.Adjustable seat belt anchorages									
2.Normal roof									
3.Side grab handles on all outboard seating positions except driver side rail									

DATA FROM TIRE PLACARD:									
Tire Pressure (at capacity);				220		kPa FRONT			
				220		kPa REAR			
Recommended Tire Size:				P215/60R17					
Tires on Test Vehicle:		P215/60R17		Manufacturer:		-			
Vehicle Capacity Data:									
Number of Occupants:	2	Front;	3	Rear;	-	3rd Seat;	5	Total	
Type of Front Seats:	x	Bucket;	-	Bench;	-	Split Bench			
Type of Front Seat Back:	-	Fixed;	x	Adjustable with	x	Lever or	-	Knob	
Vehicle Capacity Weight (VCW)=				431		kg (A)			
No. of Occupants x 68 kg. =				340		kg (B)			
Rated Cargo/Luggage Weight (RCLW) =				91		kg (A-B) Max. RCLW = 136 kg.			

DATA SHEET 2-2

GENERAL TEST AND VEHICLE PARAMETER DATA (cont.)

TEST VEHICLE DELIVERED WEIGHT WITH MAXIMUM FLUIDS:							
Left Front	=	497	kg	Left Rear	=	341	kg
Right Front	=	514	kg	Right Rear	=	315	kg
TOTAL FRONT	=	1011	kg	TOTAL REAR	=	656	kg
% of Total Weight	=	60.6	%	% of Total Weight	=	39.4	%
TOTAL WEIGHT	=	1667				kg	

CALCULATION OF VEHICLE'S TARGET TEST WEIGHT:		
Total Test Vehicle Delivered Weight=	1667	kg (A)
+ Rated Cargo/Luggage Weight =	91	kg (B)
TEST VEHICLE TARGET WEIGHT =	1758	kg (A+B)

WEIGHT OF TEST VEHICLE (FULLY LOADED):							
Left Front	=	478	kg	Left Rear	=	388	kg
Right Front	=	518	kg	Right Rear	=	365	kg
TOTAL FRONT	=	996	kg	TOTAL REAR	=	753	kg
% of Total Weight	=	56.9	%	% of Total Weight	=	43.1	%
TOTAL TEST WEIGHT	=	1749					
Weight of vehicle secured in test vehicles cargo area	=	83				kg	

TEST VEHICLE ATTITUDE (all dimensions in millimeters):				
AS DELIVERED:	Left Front	762	Left Rear	783
	Right Front	769	Right Rear	786
FULLY LOADED:	Left Front	763	Left Rear	769
	Right Front	766	Right Rear	766
Test Vehicle Wheelbase:	-			millimeters

TEST VEHICLE PITCH AND ROLL ANGLES:				
AS DELIVERED:	PITCH ANGLES		ROLL ANGLES	
	Left Door Sill	↑1.0↓	Front Bumper	↑0.1↓
	Right Door Sill	↓1.0↑	Rear Bumper	↑0.1↓
FULLY LOADED:	PITCH ANGLES		ROLL ANGLES	
	Left Door Sill	↑0.6↓	Front Bumper	↓0.3↑
	Right Door Sill	↓0.6↑	Rear Bumper	↓0.1↑
AS TESTED:	PITCH ANGLES		ROLL ANGLES	
	Left Door Sill	↑0.7↓	Front Bumper	↓0.2↑
	Right Door Sill	↓0.8↑	Rear Bumper	↓0.1↑

DATA SHEET 2-3

APPROACH ANGLE LIMITS

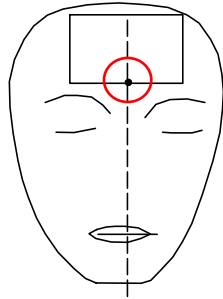
Target Code	Left Side				Target Code	Right Side			
	Horizontal Angles (deg.)		Vertical Angles (deg.)			Horizontal Angles (deg.)		Vertical Angles (deg.)	
	Minimum	Maximum	Minimum	Maximum		Minimum	Maximum	Minimum	Maximum
AP1	213	256	-5	43	AP1	104	147	-5	43
AP2	213	256	-5	45	AP2	104	147	-5	45
AP3	213	256	-5	40	AP3	104	147	-5	40
BP1	199	294	-10	14	BP1	66	161	-10	14
BP2	ANY		0	11	BP2	ANY		0	11
BP3	199	294	-10	-8	BP3	66	161	-10	-8
BP4	199	294	-10	-6	BP4	66	161	-10	-6
OP1	ANY		0	0	OP1	ANY		0	0
OP2	270		-10	0	OP2	90		-10	0
RP1	270	345	-10	11	RP1	15	90	-10	11
RP2	270	345	-10	8	RP2	15	90	-10	8
FH1	180		0	50	FH1	180		0	50
FH2	180		0	50	FH2	180		0	50
RH	360		0	50	RH	0		0	50
SR1	270		0	37	SR1	90		0	37
SR2A	270		0	21	SR2A	90		0	21
SR2B	270		0	21	SR2B	90		0	21
SR3	270		0	38	SR3	90		0	38
URAP	ANY		0	50	URAP	ANY		0	50
URBP	ANY		0	50	URBP	ANY		0	50
URRP	ANY		0	50	URRP	ANY		0	50

Note : BP2 and OP1 target locations – Seat belt anchorage

DATA SHEET 2-4

SUMMARY TARGET IMPACT LOCATION ON FMH

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red



ã RIGHT SIDE OF FACE

TARGET	Distance Above Point 0 (mm)	Distance Over From Pt. O (mm)
AP3	19	0
AP1	26	10R
BP4	18	11L
BP3	12	33R
URBP	36	5R
SR3	44	4R
OP2	30	5L
RP1	51	0
BP2	9	2L
BP1	49	5L
AP2	26	5R
SR2A	26	9L

SECTION 3

SUMMARY OF TEST RESULTS AND DATA PLOTS

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	01
Test Date:	05/24/06
Target Location:	A-PILLAR
Target Code:	AP3
Horizontal Impact Angle:	137°
Vertical Impact Angle:	40°
Ambient Temperature:	20.7°C
Relative Humidity:	40.7
Time of Impact:	10:20
Headform Number:	0642

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	0	mm right	mm left
On Centerline	19		mm up



POST-IMPACT AP3 HEADFORM

Free Motion HIC	608.1
HIC(d)	625.2
Impact Velocity (kph)	23.69
HIC T1 (msec)	2.0
HIC T2 (msec)	11.6

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - AP3

FMH Headform 0642

Location: AP3

Test Date: May 24, 2006

Work File: AP3

-----TEST RESULTS-----

Lab Temperature: 20.7 C

HICd: 625.2

Lab Humidity: 40.7 %

HIC (36ms): 608.1

Velocity at Impact: 23.69 KPH

t1: 2.0 msec

t2: 11.6 msec

Free Flight Distance: 219.91 mm

Duration: 9.6 msec

Maximum: 130.8 g

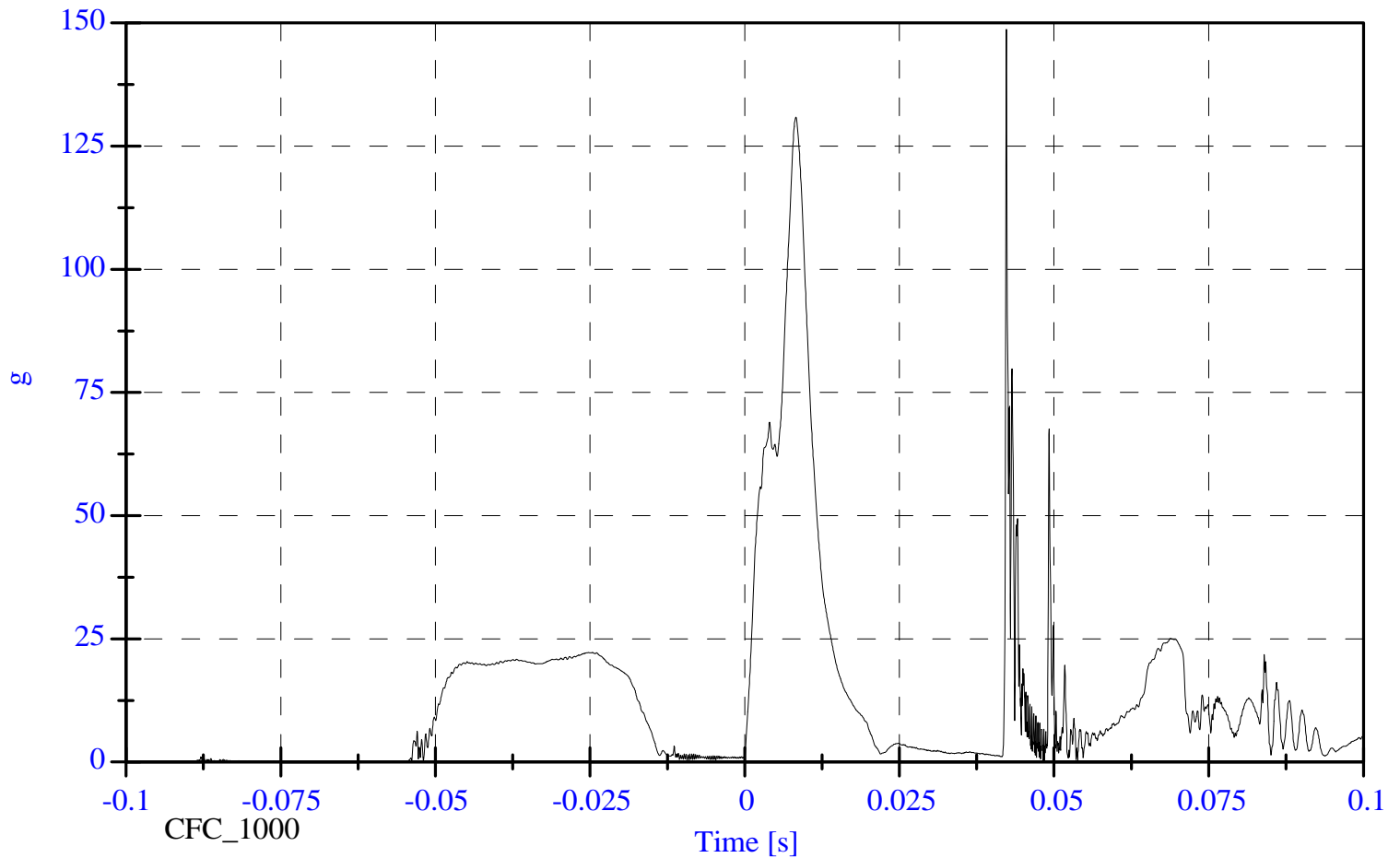
Average Acceleration: 12.2 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 130.8 [g] at 0.008 [s]

Headform Resultant

Min: 0.0 [g] at -0.059 [s]



FMVSS 201U IMPACT TEST - 2006 FORD 500

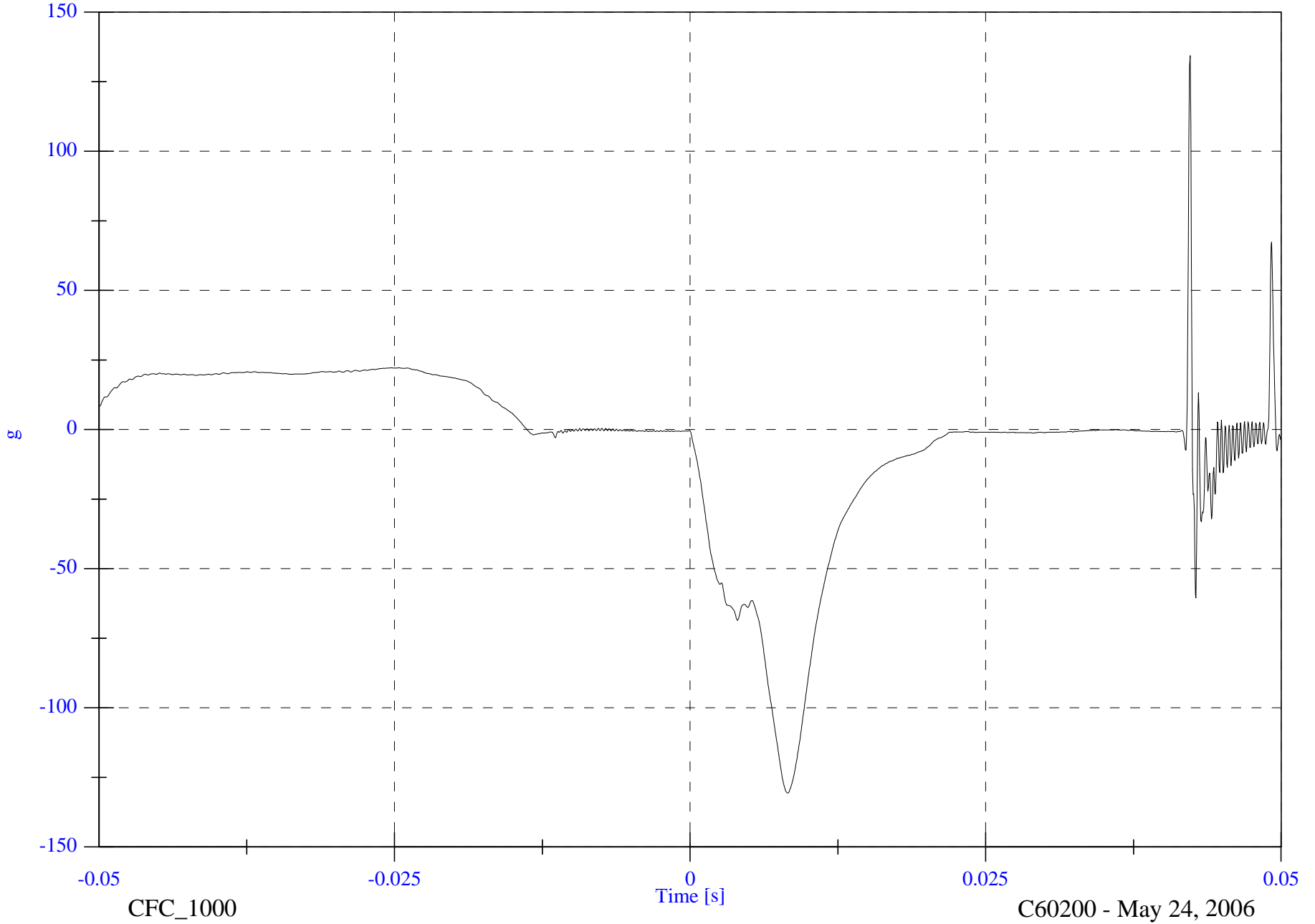
Headform X Acceleration

Max: 134.3 [g] at 0.042 [s]

Min: -130.6 [g] at 0.008 [s]

C60200 PASSENGER SIDE AP3 IMPACT PLOT #1

8754+FMH-15



FMVSS 201U IMPACT TEST - 2006 FORD 500

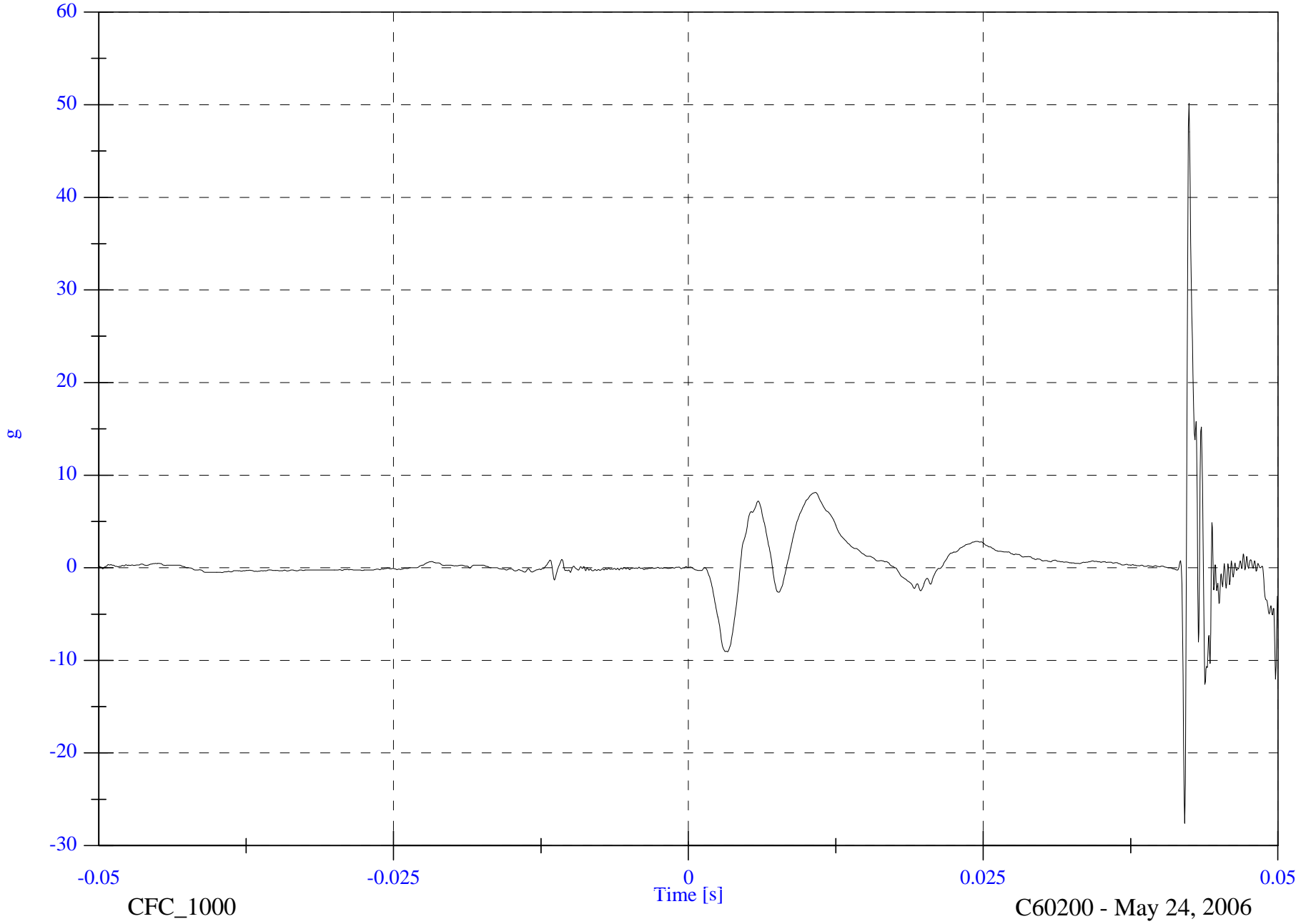
Headform Y Acceleration

Max: 50.1 [g] at 0.042 [s]

Min: -27.6 [g] at 0.042 [s]

C60200 PASSENGER SIDE AP3 IMPACT PLOT #2

8754+FMH-15



FMVSS 201U IMPACT TEST - 2006 FORD 500

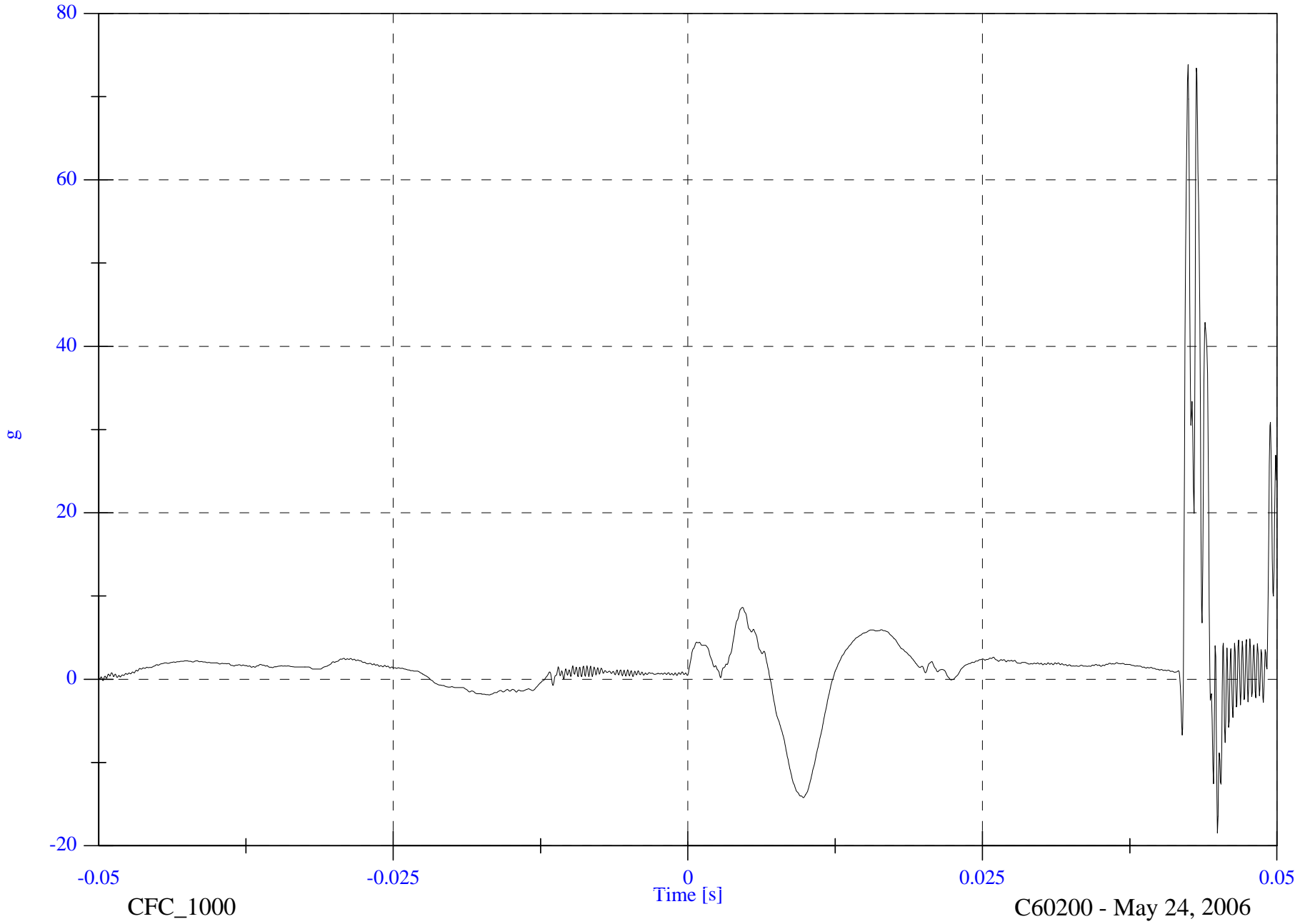
Headform Z Acceleration

Max: 73.8 [g] at 0.042 [s]

Min: -18.5 [g] at 0.045 [s]

C60200 PASSENGER SIDE AP3 IMPACT PLOT #3

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

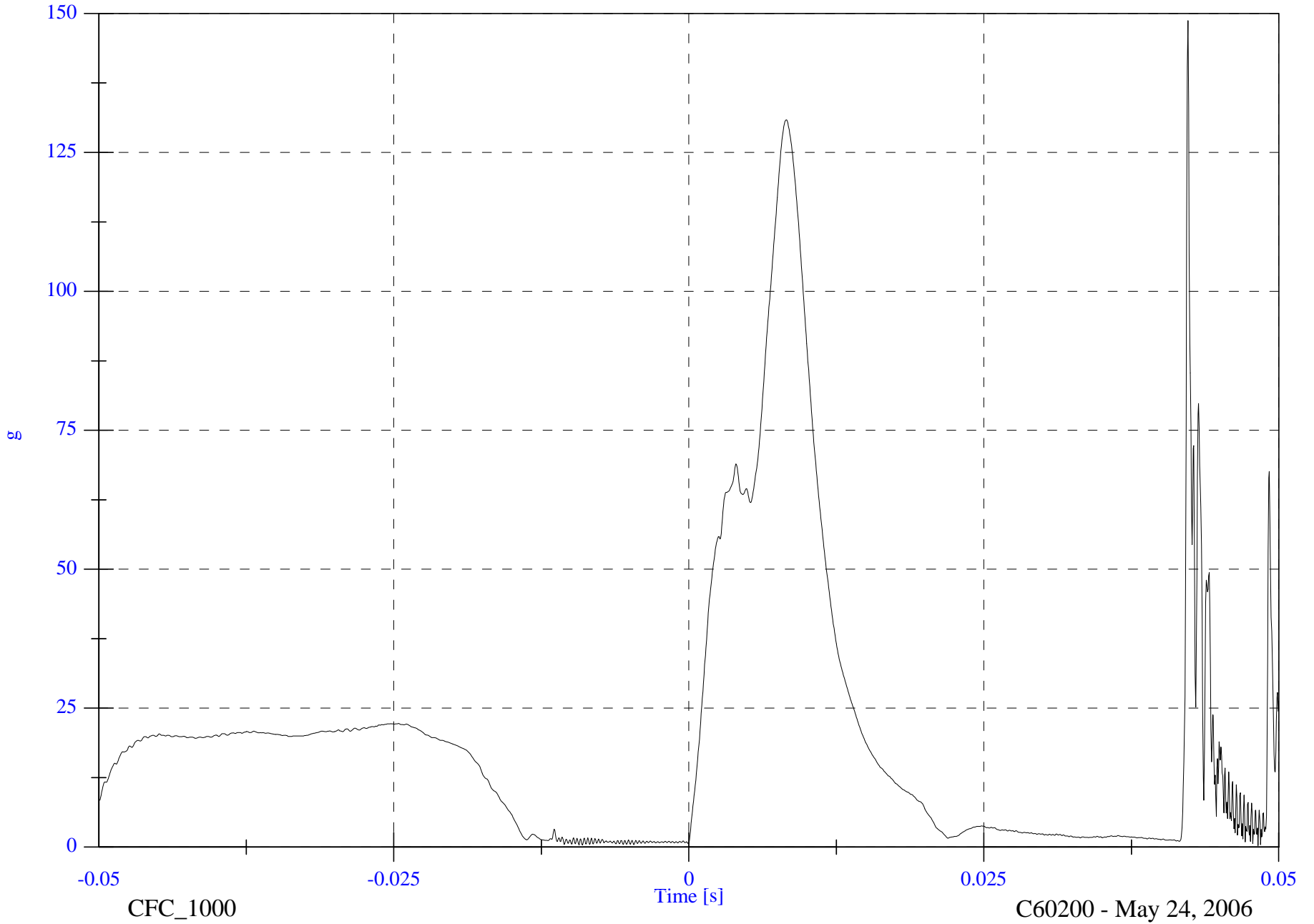
Headform Resultant

Max: 148.7 [g] at 0.042 [s]

Min: 0.3 [g] at 0.048 [s]

C60200 PASSENGER SIDE AP3 IMPACT PLOT #4

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

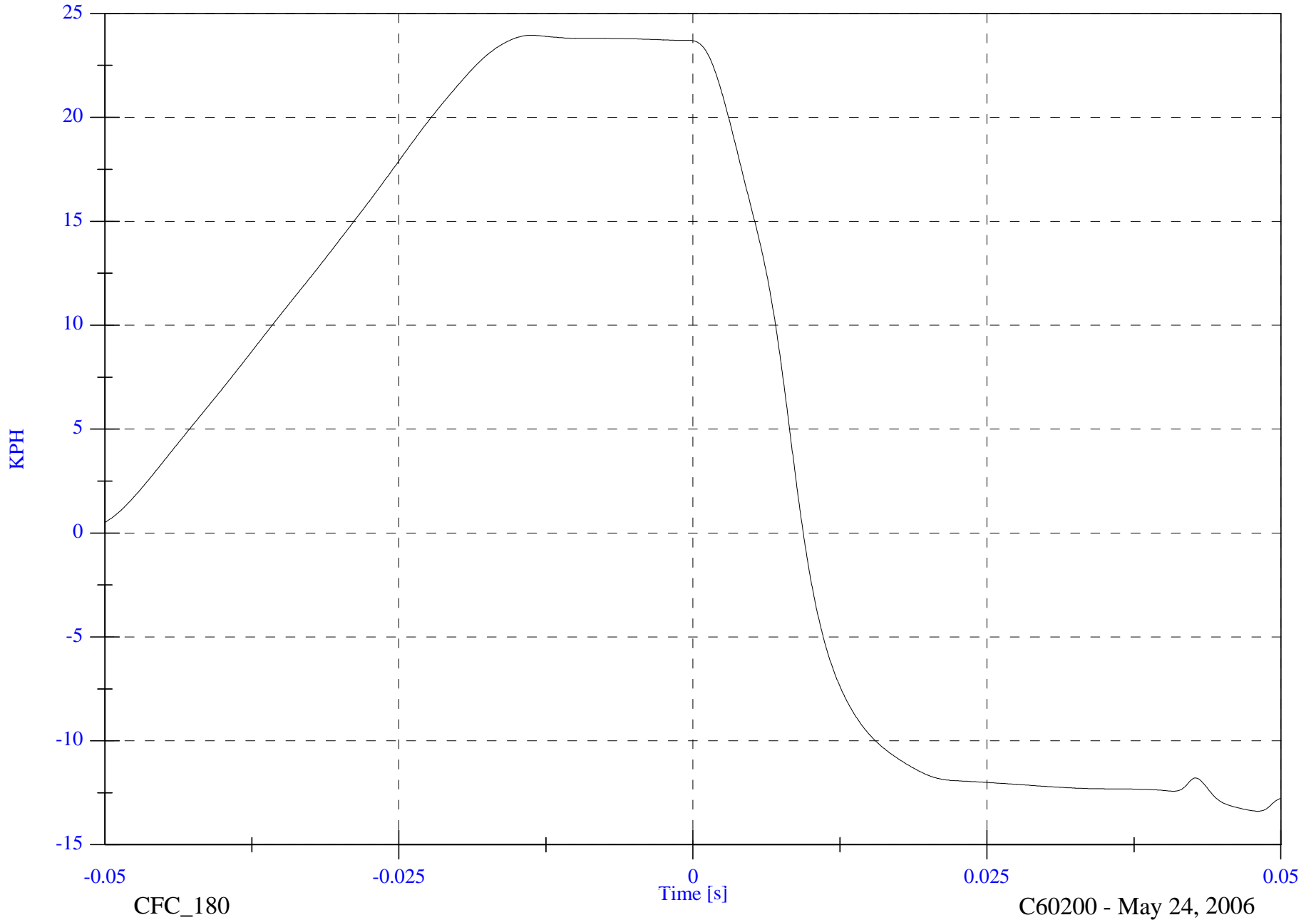
FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 23.9 [KPH] at -0.014 [s]
Min: -13.4 [KPH] at 0.048 [s]

Headform Velocity

C60200 PASSENGER SIDE AP3 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 24, 2006



PRE-IMPACT AP3



POST-IMPACT AP3

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	02
Test Date:	05/24/06
Target Location:	A-PILLAR
Target Code:	AP1
Horizontal Impact Angle:	118°
Vertical Impact Angle:	43°
Ambient Temperature:	21.0°C
Relative Humidity:	40.6
Time of Impact:	11:00
Headform Number:	0355

Impact Point Description (from lower midpoint on midsagittal line)				
On Centerline	10	x	mm right	mm left
On Centerline	26		mm up	



POST-IMPACT AP1 HEADFORM

Free Motion HIC	395.1
HIC(d)	464.5
Impact Velocity (kph)	23.5
HIC T1 (msec)	3.0
HIC T2 (msec)	41.7

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - AP1

FMH Headform 0355

Location: AP1

Test Date: May 24, 2006

Work File: AP1

-----TEST RESULTS-----

Lab Temperature: 21.0 C

HICd: 464.5

Lab Humidity: 40.6 %

HIC (36ms): 395.1

Velocity at Impact: 23.50 KPH

t1: 3.0 msec

t2: 14.7 msec

Free Flight Distance: 228.09 mm

Duration: 11.7 msec

Maximum: 74.5 g

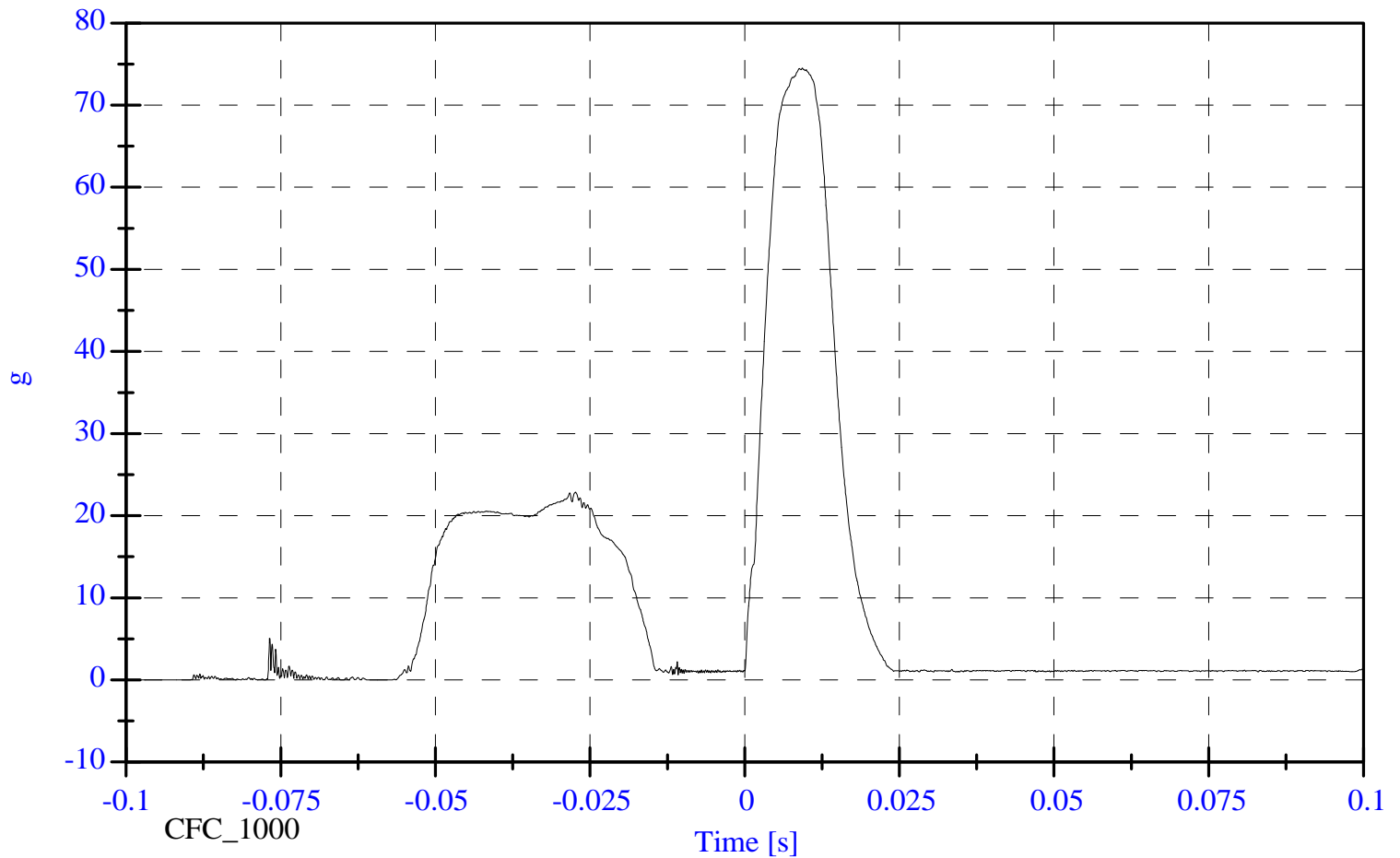
Average Acceleration: 8.6 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 74.5 [g] at 0.009 [s]

Headform Resultant

Min: -0.0 [g] at -0.099 [s]



FMVSS 201U IMPACT TEST - 2006 FORD 500

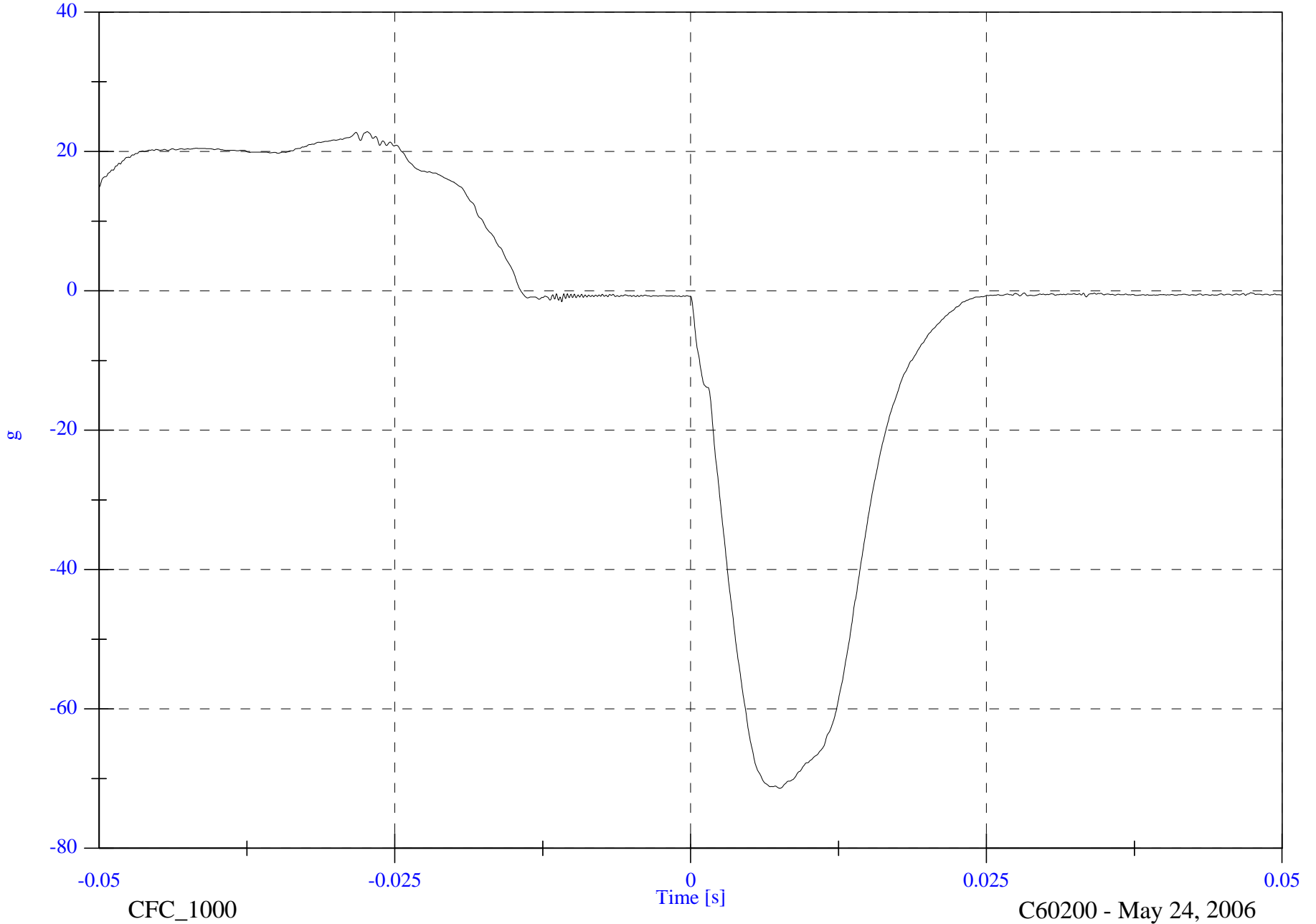
Headform X Acceleration

Max: 22.8 [g] at -0.027 [s]

Min: -71.4 [g] at 0.008 [s]

C60200 PASSENGER SIDE AP1 IMPACT PLOT #1

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

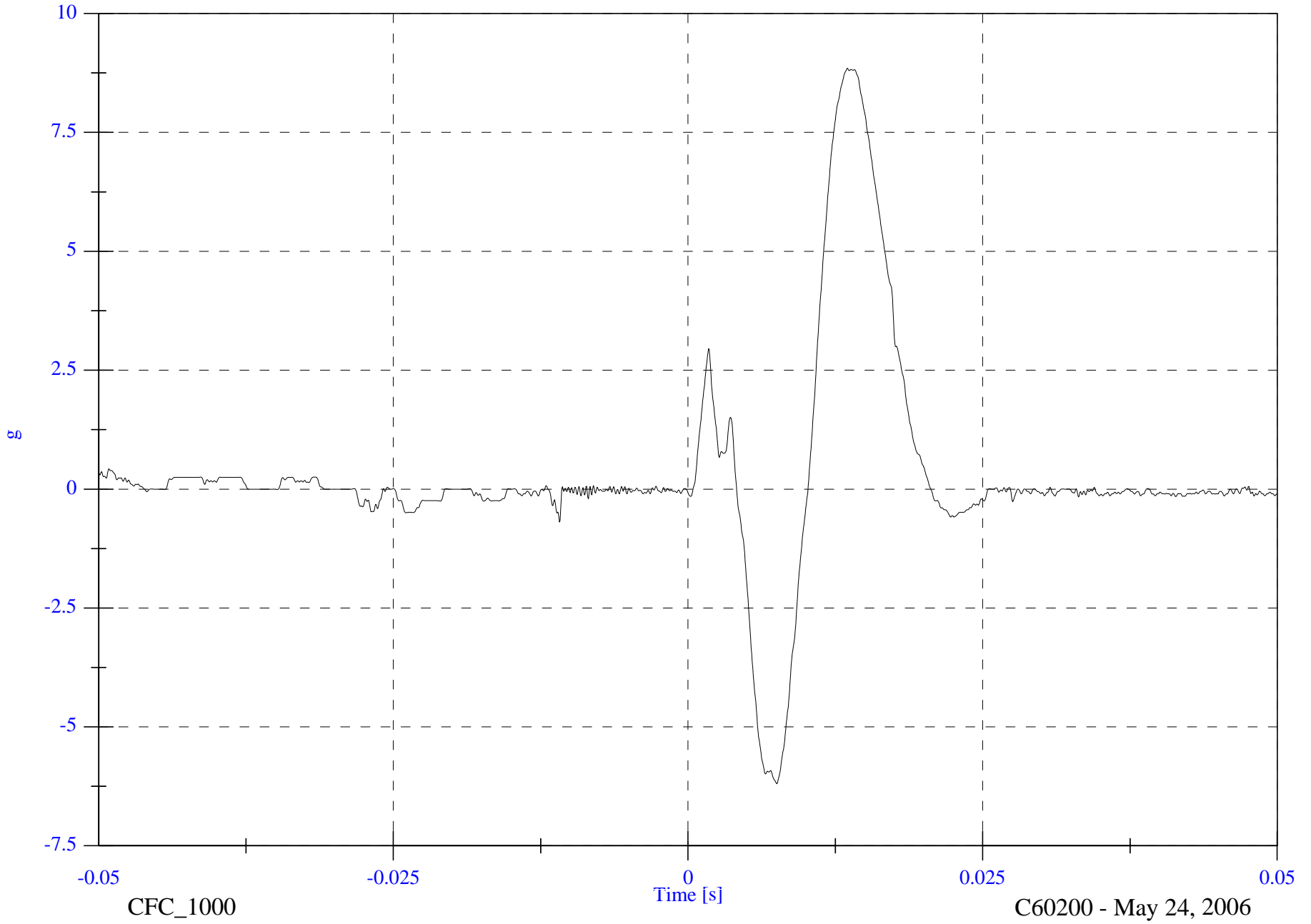
Headform Y Acceleration

Max: 8.8 [g] at 0.014 [s]

Min: -6.2 [g] at 0.008 [s]

C60200 PASSENGER SIDE AP1 IMPACT PLOT #2

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

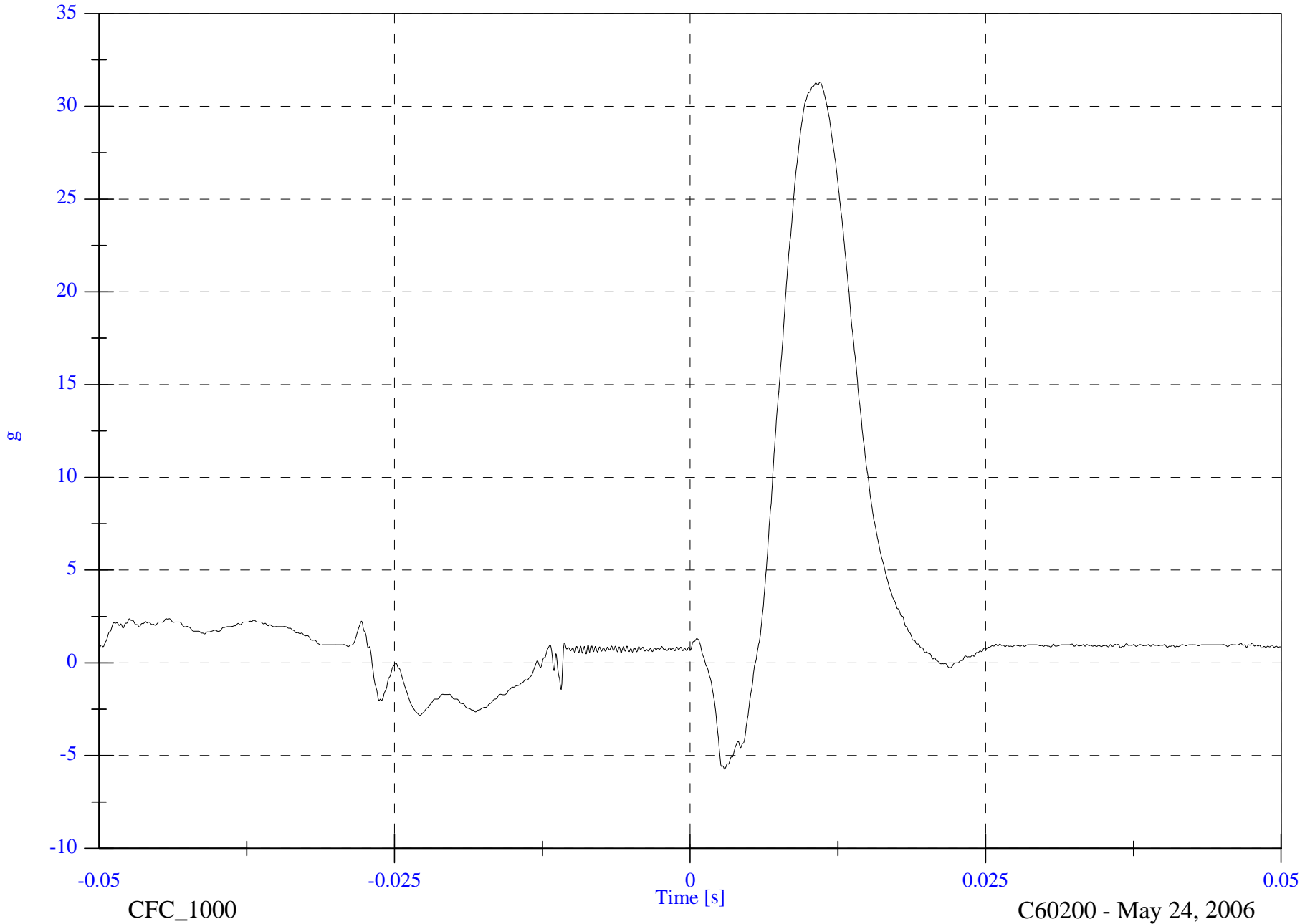
Headform Z Acceleration

Max: 31.3 [g] at 0.011 [s]

Min: -5.7 [g] at 0.003 [s]

C60200 PASSENGER SIDE AP1 IMPACT PLOT #3

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

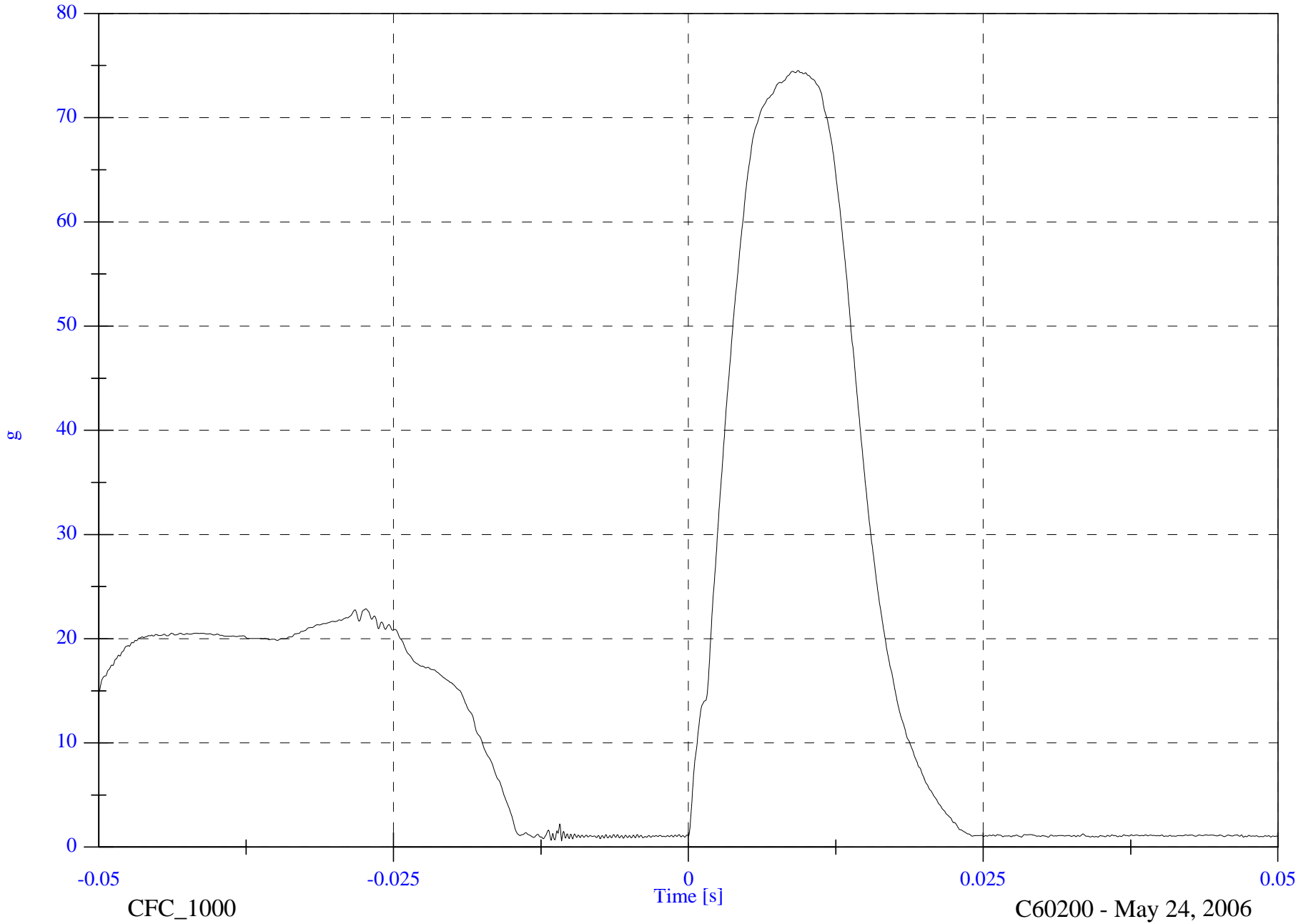
Headform Resultant

Max: 74.5 [g] at 0.009 [s]

Min: 0.6 [g] at -0.011 [s]

C60200 PASSENGER SIDE AP1 IMPACT PLOT #4

8754+FMH-15



FMVSS 201U IMPACT TEST - 2006 FORD 500

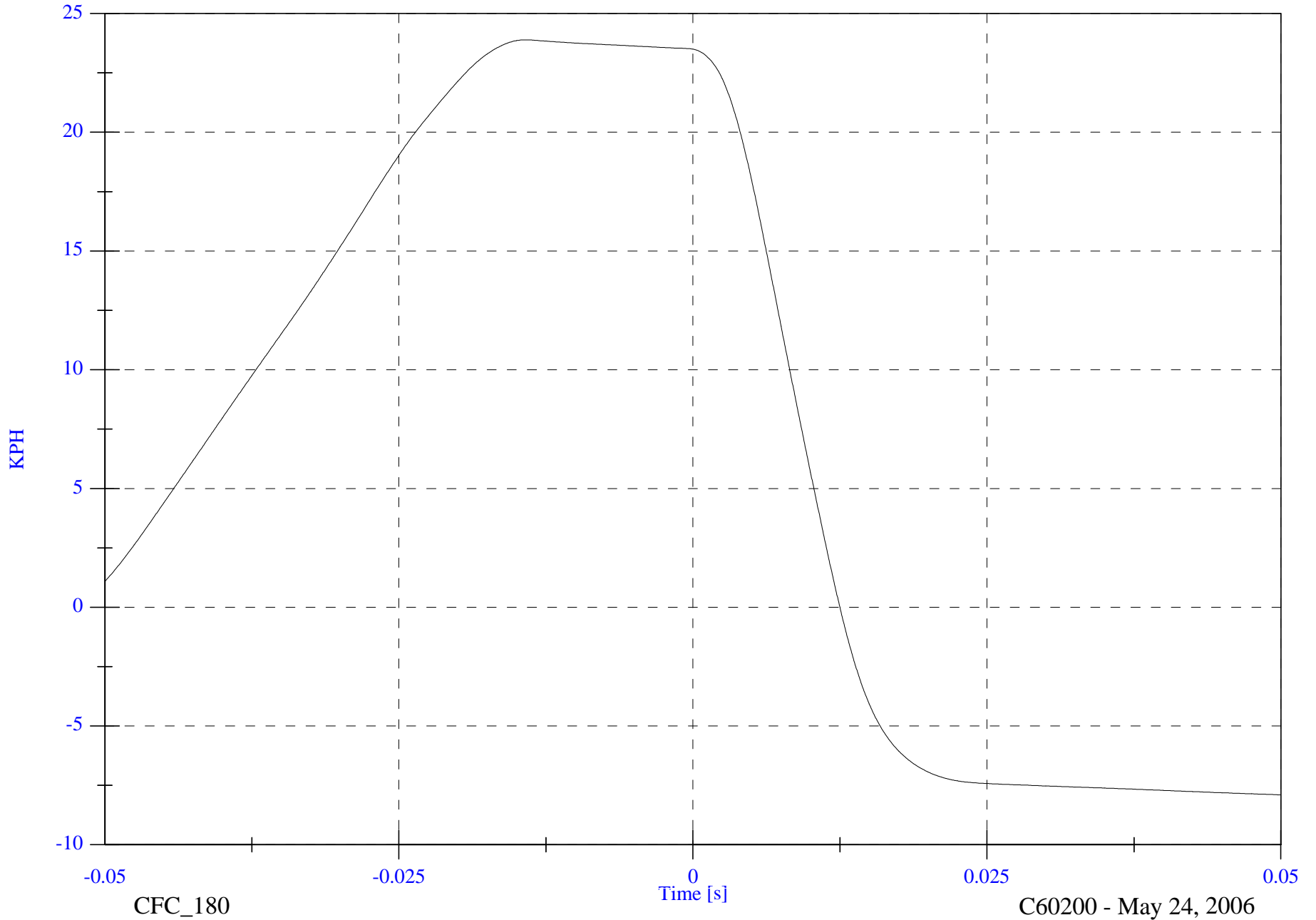
Max: 23.9 [KPH] at -0.014 [s]

Headform Velocity

Min: -7.9 [KPH] at 0.050 [s]

C60200 PASSENGER SIDE AP1 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 24, 2006



PRE-IMPACT AP1



POST-IMPACT AP1

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	03
Test Date:	05/24/06
Target Location:	B-PILLAR
Target Code:	BP4
Horizontal Impact Angle:	143°
Vertical Impact Angle:	(-6)°
Ambient Temperature:	20.6°C
Relative Humidity:	39.7
Time of Impact:	11:39
Headform Number:	62

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	11	mm right	x mm left
On Centerline	18	mm up	



POST-IMPACT BP4 HEADFORM

Free Motion HIC	815.2
HIC(d)	781.5
Impact Velocity (kph)	23.81
HIC T1 (msec)	6.3
HIC T2 (msec)	11.1

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - BP4

FMH Headform 0062

Location: BP4

Test Date: May 24, 2006

Work File: BP4

-----TEST RESULTS-----

Lab Temperature: 20.6 C

HICd: 781.5

Lab Humidity: 39.7 %

HIC (36ms): 815.2

Velocity at Impact: 23.81 KPH

t1: 6.3 msec

t2: 11.1 msec

Free Flight Distance: 220.16 mm

Duration: 4.7 msec

Maximum: 159.0 g

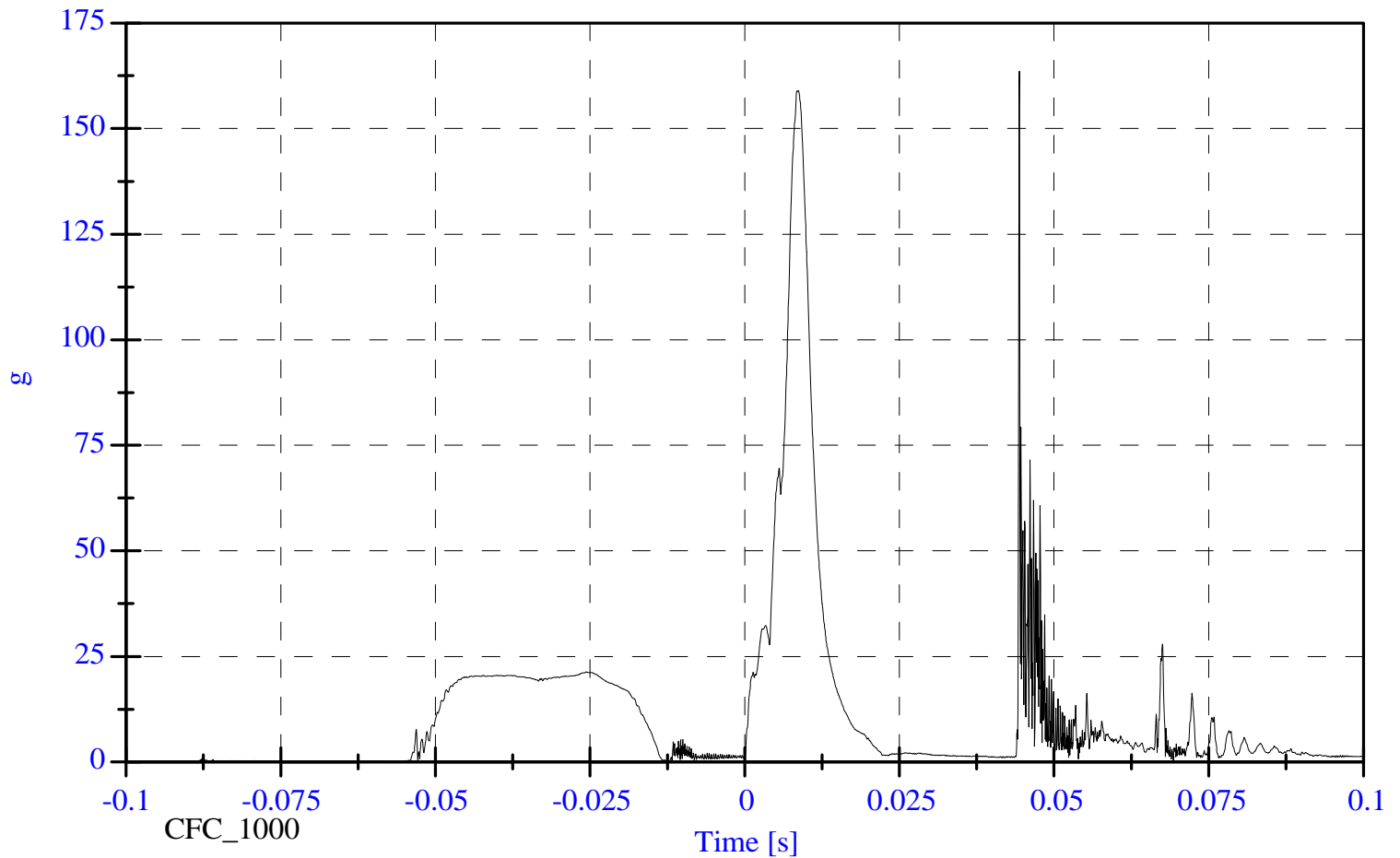
Average Acceleration: 10.7 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 159.0 [g] at 0.009 [s]

Headform Resultant

Min: 0.0 [g] at -0.057 [s]



FMVSS 201U IMPACT TEST - 2006 FORD 500

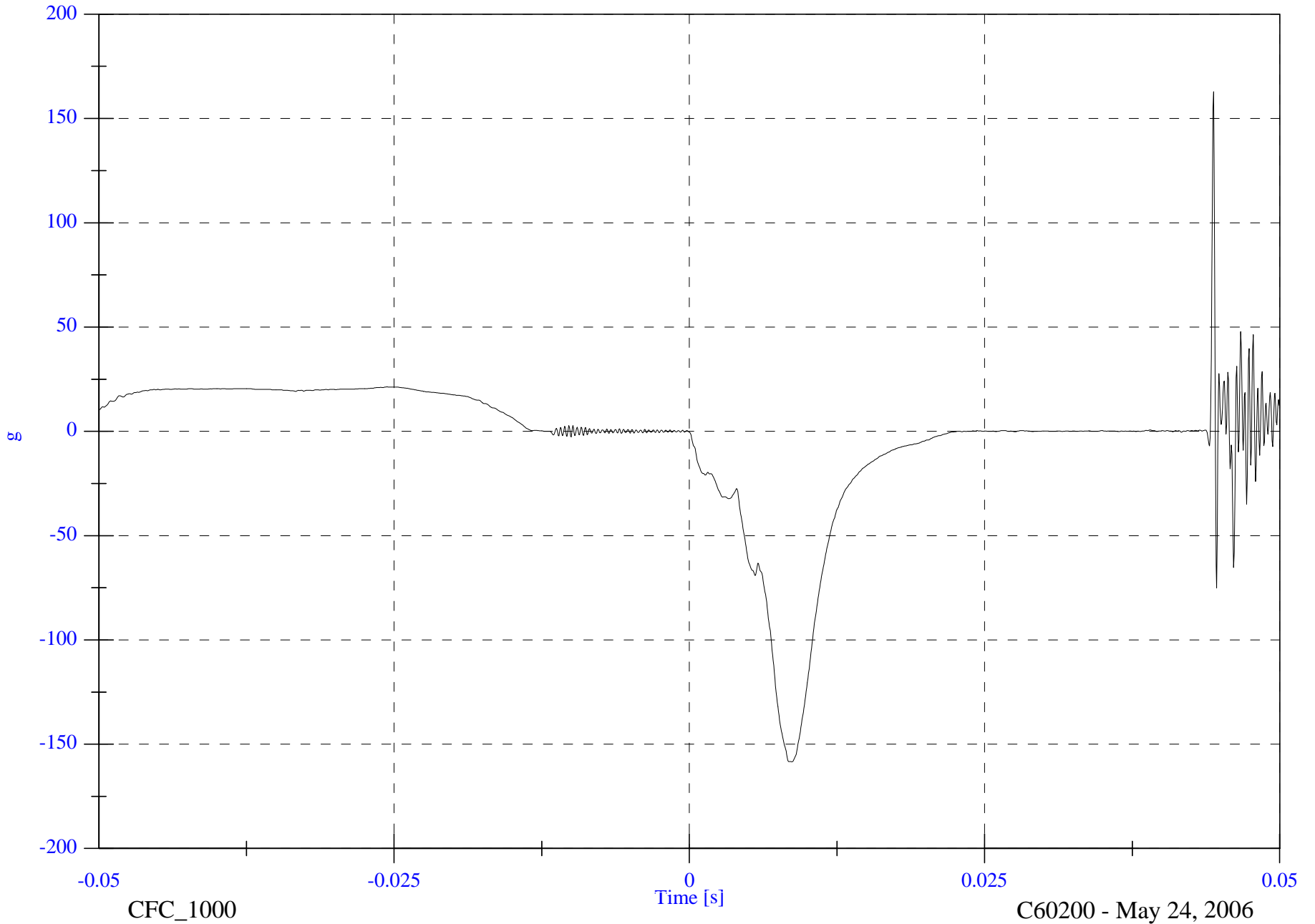
Headform X Acceleration

Max: 162.9 [g] at 0.044 [s]

Min: -158.5 [g] at 0.009 [s]

C60200 PASSENGER SIDE BP4 IMPACT PLOT #1

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

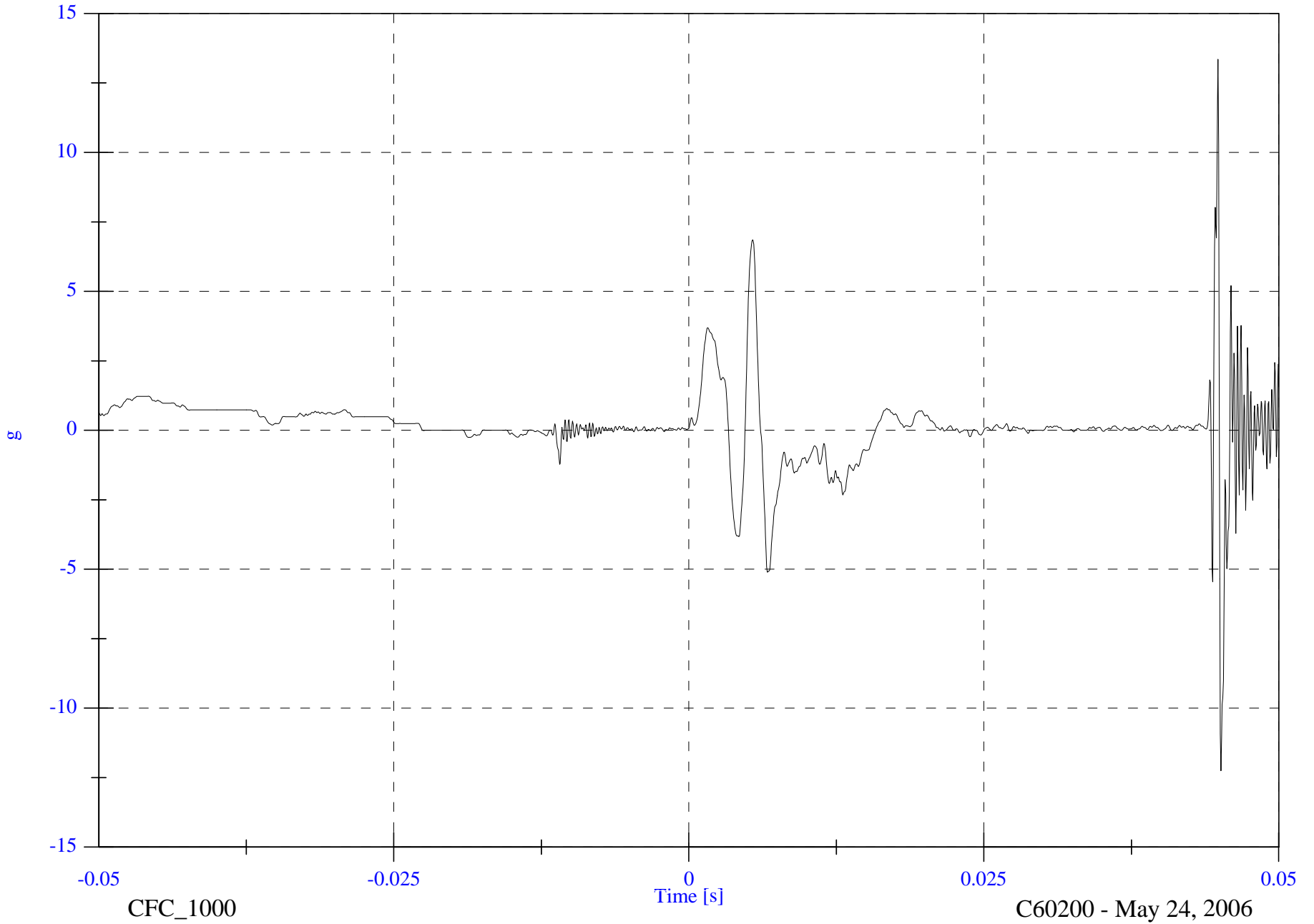
Headform Y Acceleration

Max: 13.4 [g] at 0.045 [s]

Min: -12.3 [g] at 0.045 [s]

C60200 PASSENGER SIDE BP4 IMPACT PLOT #2

8754+FMH-15



FMVSS 201U IMPACT TEST - 2006 FORD 500

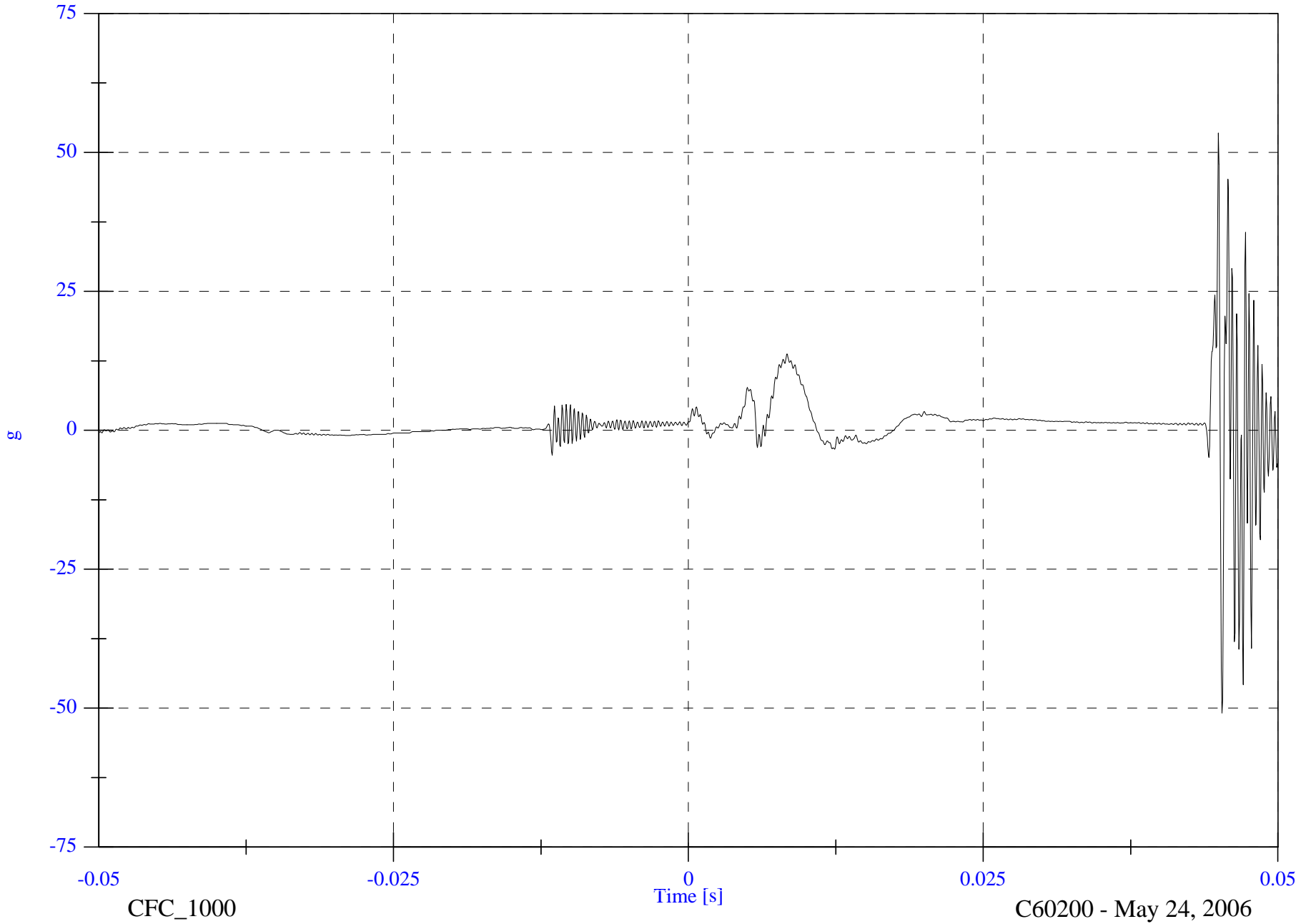
Headform Z Acceleration

Max: 53.5 [g] at 0.045 [s]

Min: -50.9 [g] at 0.045 [s]

C60200 PASSENGER SIDE BP4 IMPACT PLOT #3

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

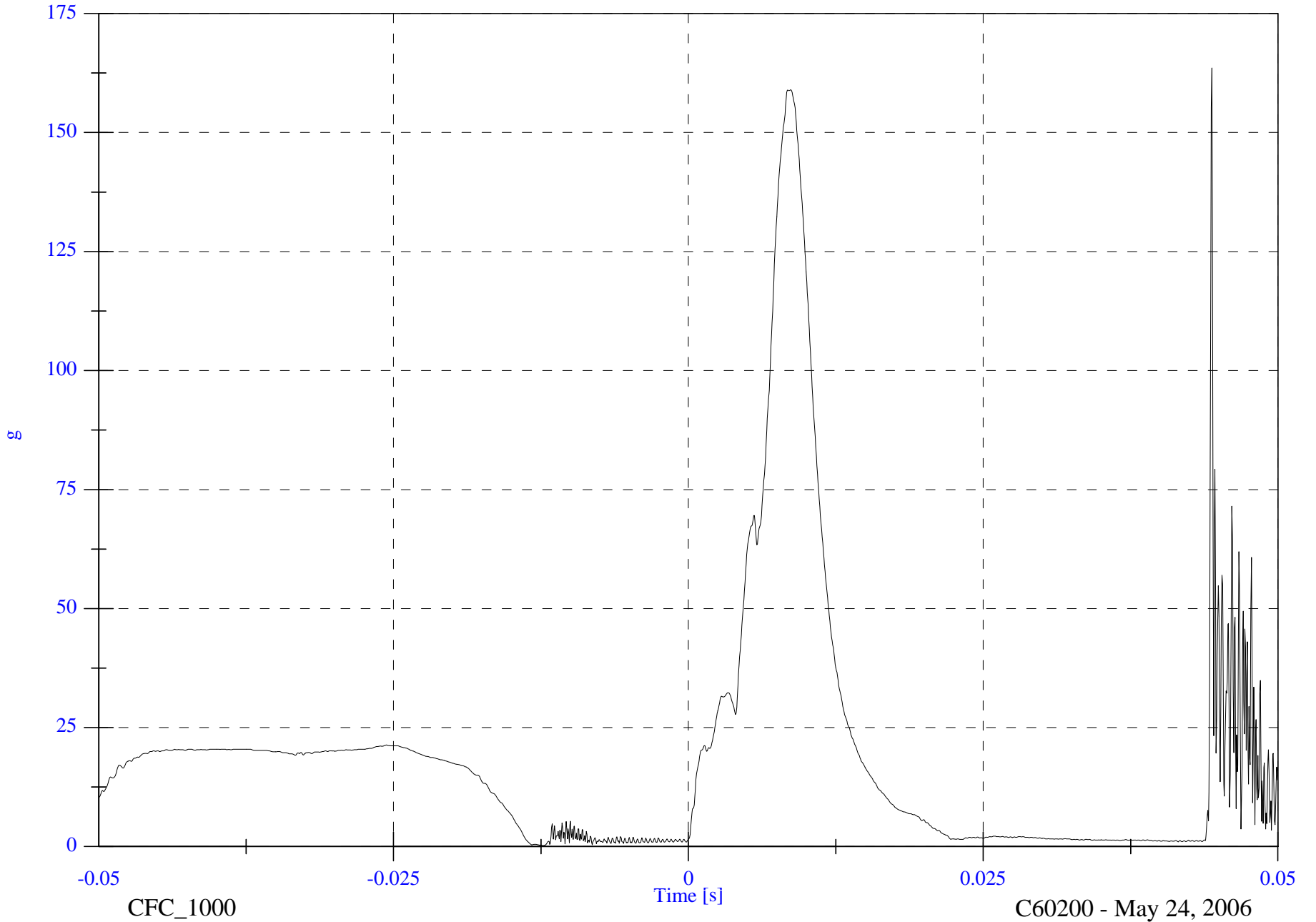
Headform Resultant

Max: 163.6 [g] at 0.044 [s]

Min: 0.2 [g] at -0.012 [s]

C60200 PASSENGER SIDE BP4 IMPACT PLOT #4

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

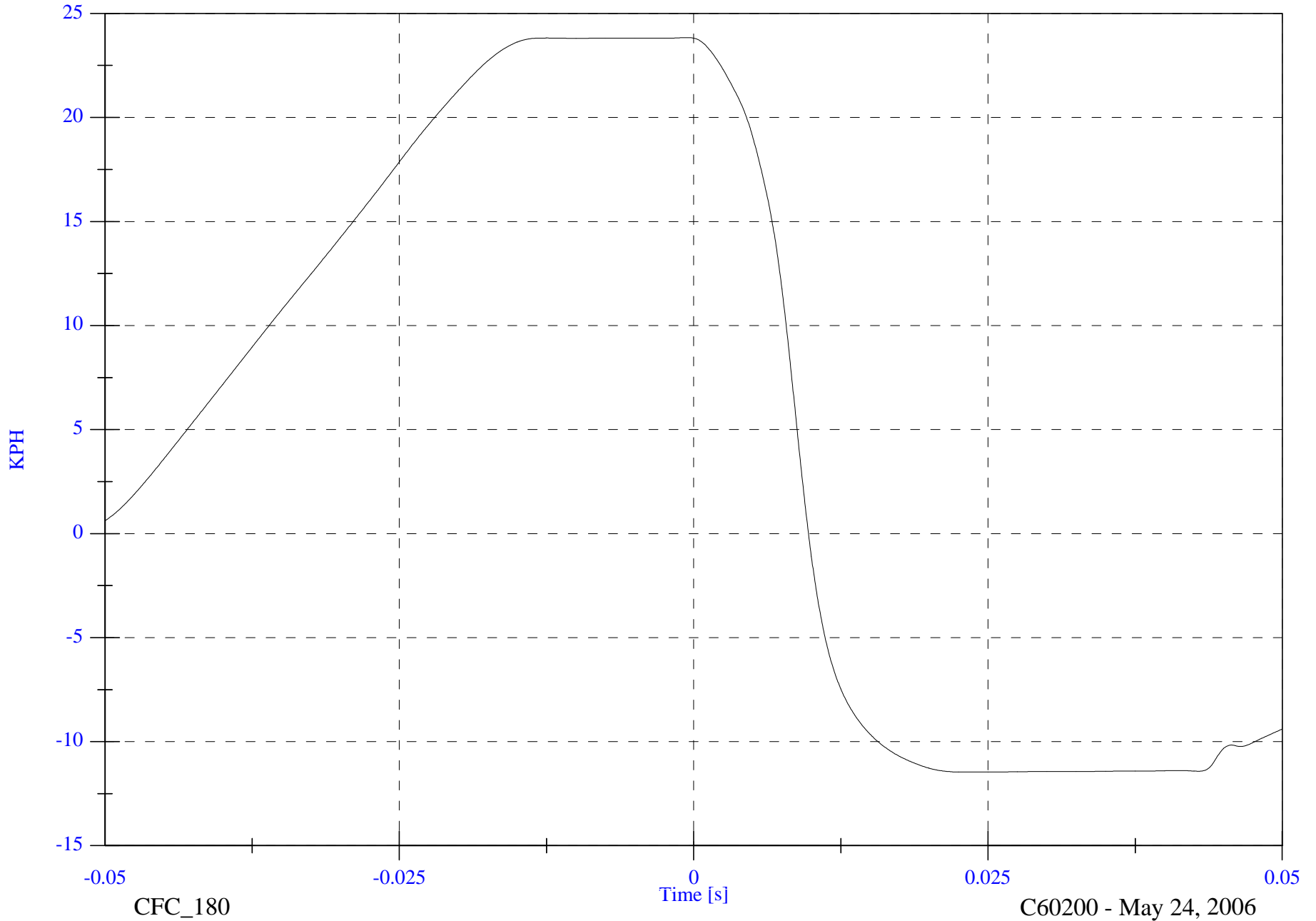
Max: 23.8 [KPH] at -0.001 [s]

Min: -11.5 [KPH] at 0.023 [s]

Headform Velocity

C60200 PASSENGER SIDE BP4 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 24, 2006



PRE-IMPACT BP4

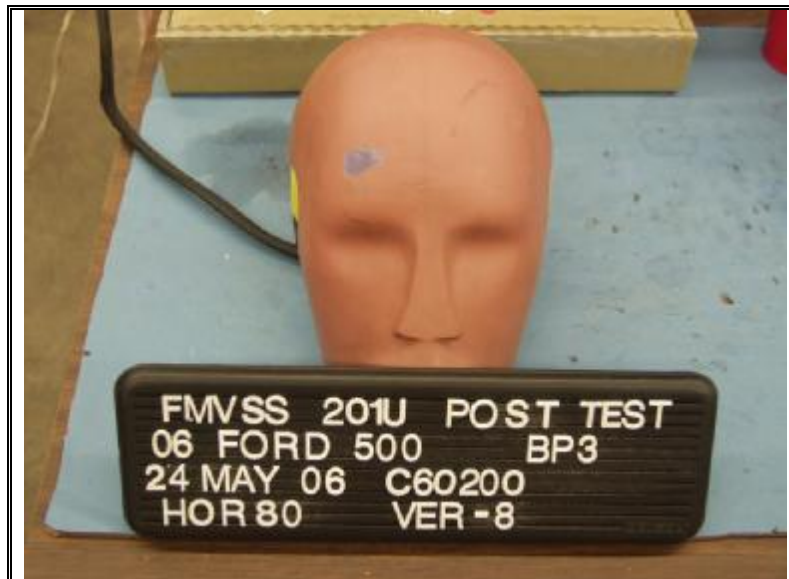


POST-IMPACT BP4

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	04
Test Date:	05/24/06
Target Location:	B-PILLAR
Target Code:	BP3
Horizontal Impact Angle:	80°
Vertical Impact Angle:	(-8)°
Ambient Temperature:	20.6°C
Relative Humidity:	37.7
Time of Impact:	12:20
Headform Number:	1255

Impact Point Description (from lower midpoint on midsagittal line)				
On Centerline	33	x	mm right	mm left
On Centerline	12		mm up	



POST-IMPACT BP3 HEADFORM

Free Motion HIC	493.9
HIC(d)	539.1
Impact Velocity (kph)	23.43
HIC T1 (msec)	6.8
HIC T2 (msec)	13.2

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - BP3

FMH Headform 1255

Location: BP3

Test Date: May 24, 2006

Work File: BP3

-----TEST RESULTS-----

Lab Temperature: 20.6 C

HICd: 539.1

Lab Humidity: 37.7 %

HIC (36ms): 493.9

Velocity at Impact: 23.43 KPH

t1: 6.8 msec

t2: 13.2 msec

Free Flight Distance: 218.66 mm

Duration: 6.3 msec

Maximum: 120.7 g

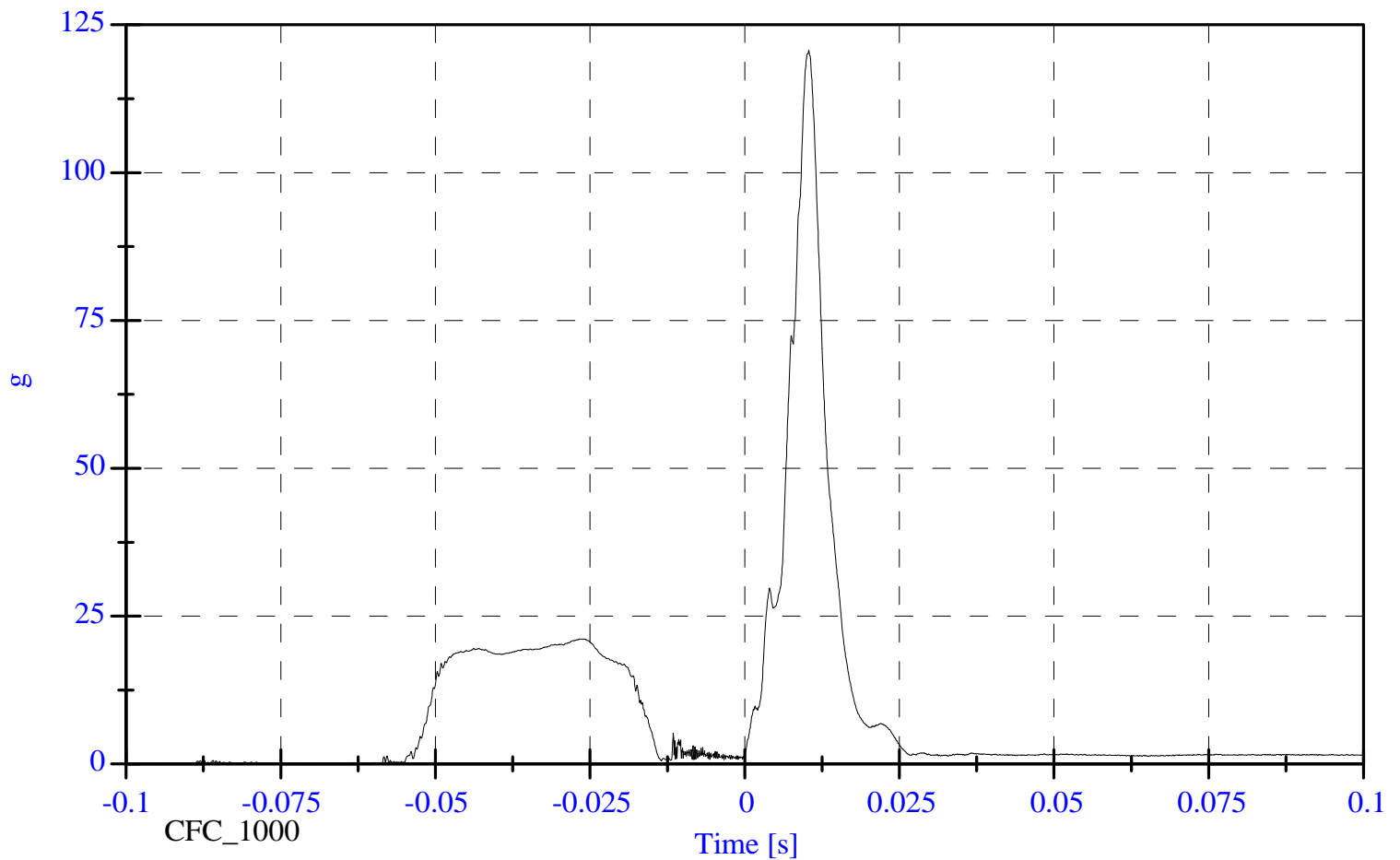
Average Acceleration: 8.5 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 120.7 [g] at 0.010 [s]

Headform Resultant

Min: 0.0 [g] at -0.061 [s]



FMVSS 201U IMPACT TEST - 2006 FORD 500

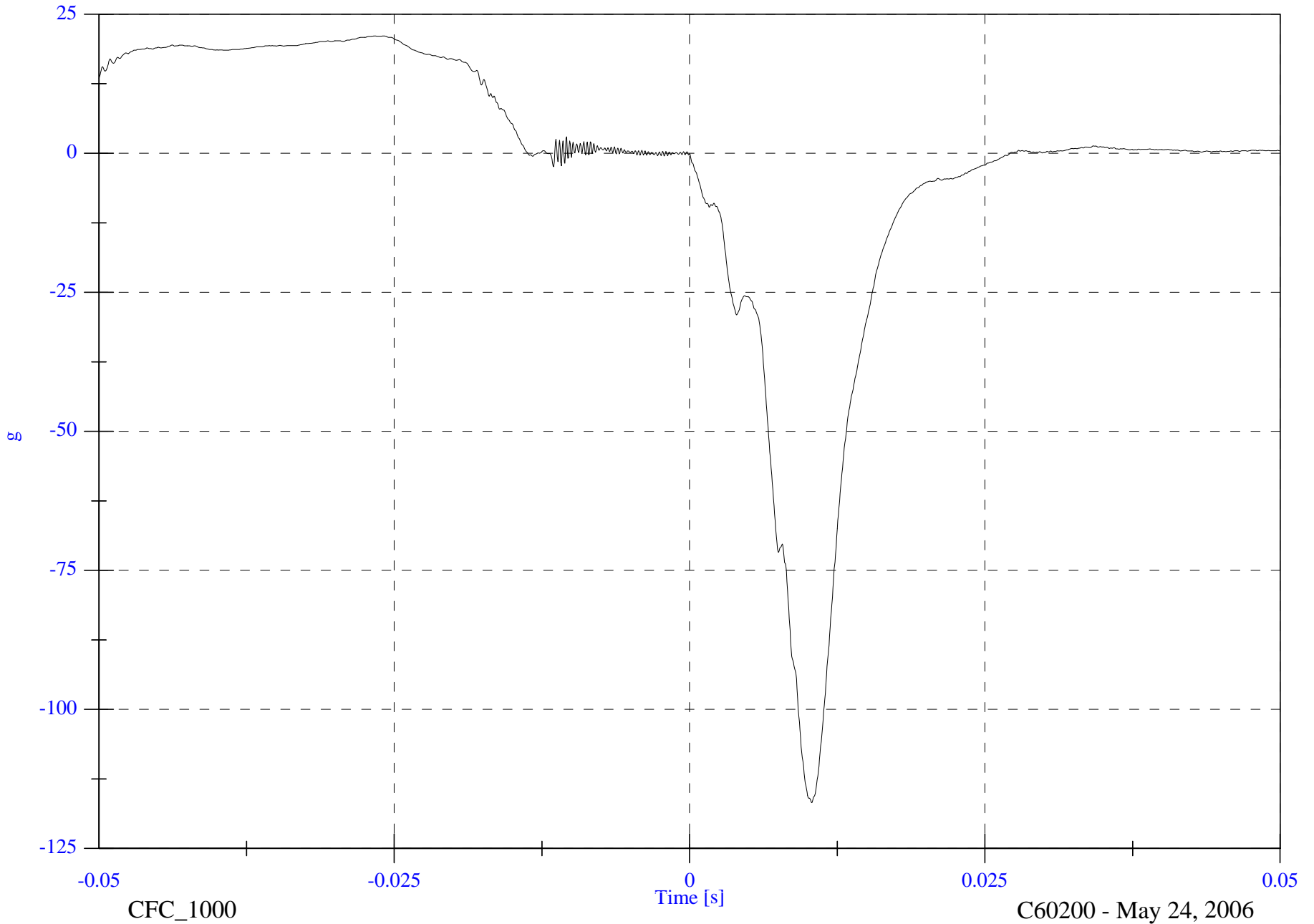
Headform X Acceleration

Max: 21.1 [g] at -0.026 [s]

Min: -116.8 [g] at 0.010 [s]

C60200 PASSENGER SIDE BP3 IMPACT PLOT #1

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

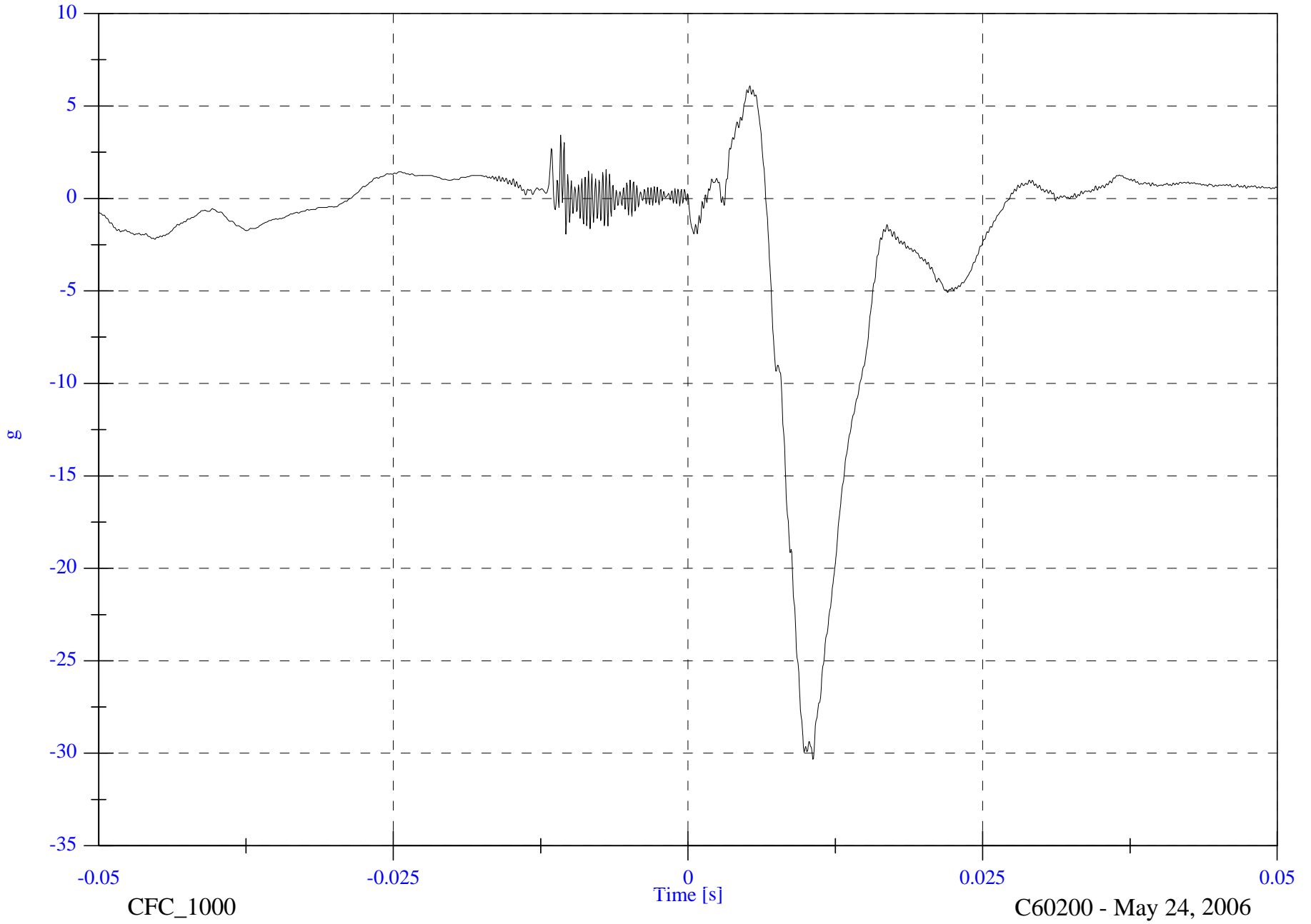
Headform Y Acceleration

Max: 6.1 [g] at 0.005 [s]

Min: -30.3 [g] at 0.011 [s]

C60200 PASSENGER SIDE BP3 IMPACT PLOT #2

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

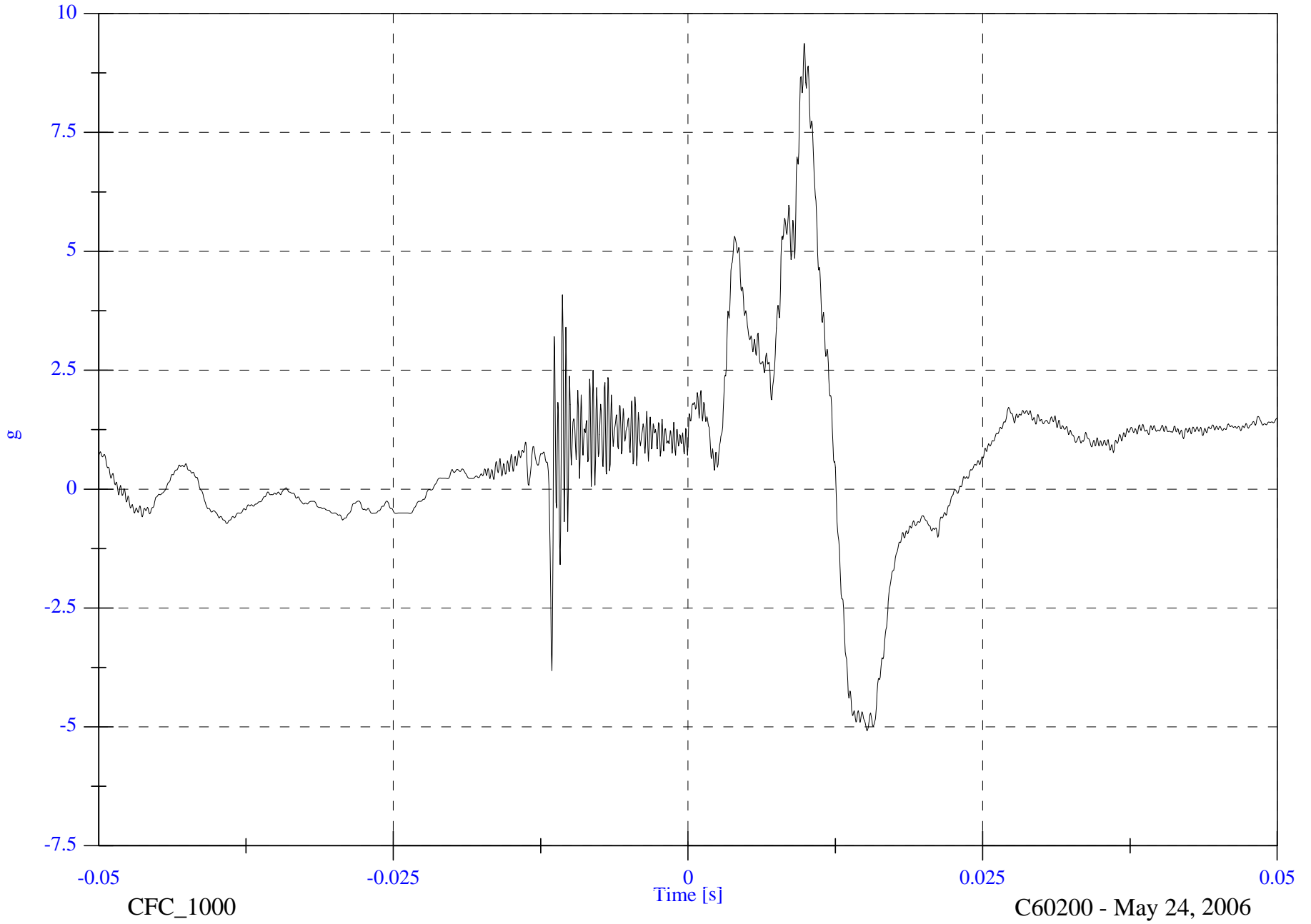
Headform Z Acceleration

Max: 9.4 [g] at 0.010 [s]

Min: -5.1 [g] at 0.015 [s]

C60200 PASSENGER SIDE BP3 IMPACT PLOT #3

8754-FMH-15



FMVSS 201U IMPACT TEST - 2006 FORD 500

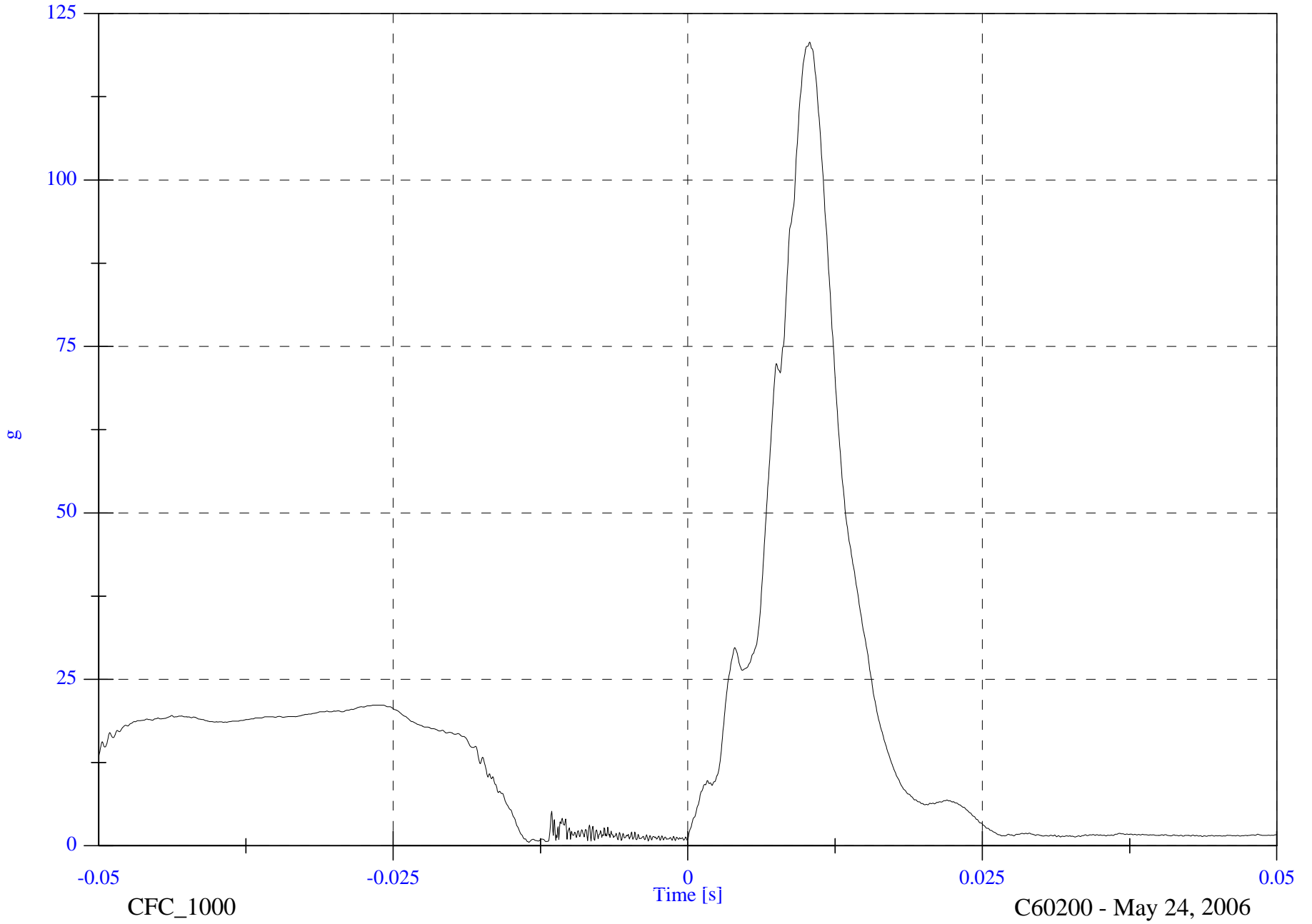
Headform Resultant

Max: 120.7 [g] at 0.010 [s]

Min: 0.5 [g] at -0.013 [s]

C60200 PASSENGER SIDE BP3 IMPACT PLOT #4

8754+FMH-15



FMVSS 201U IMPACT TEST - 2006 FORD 500

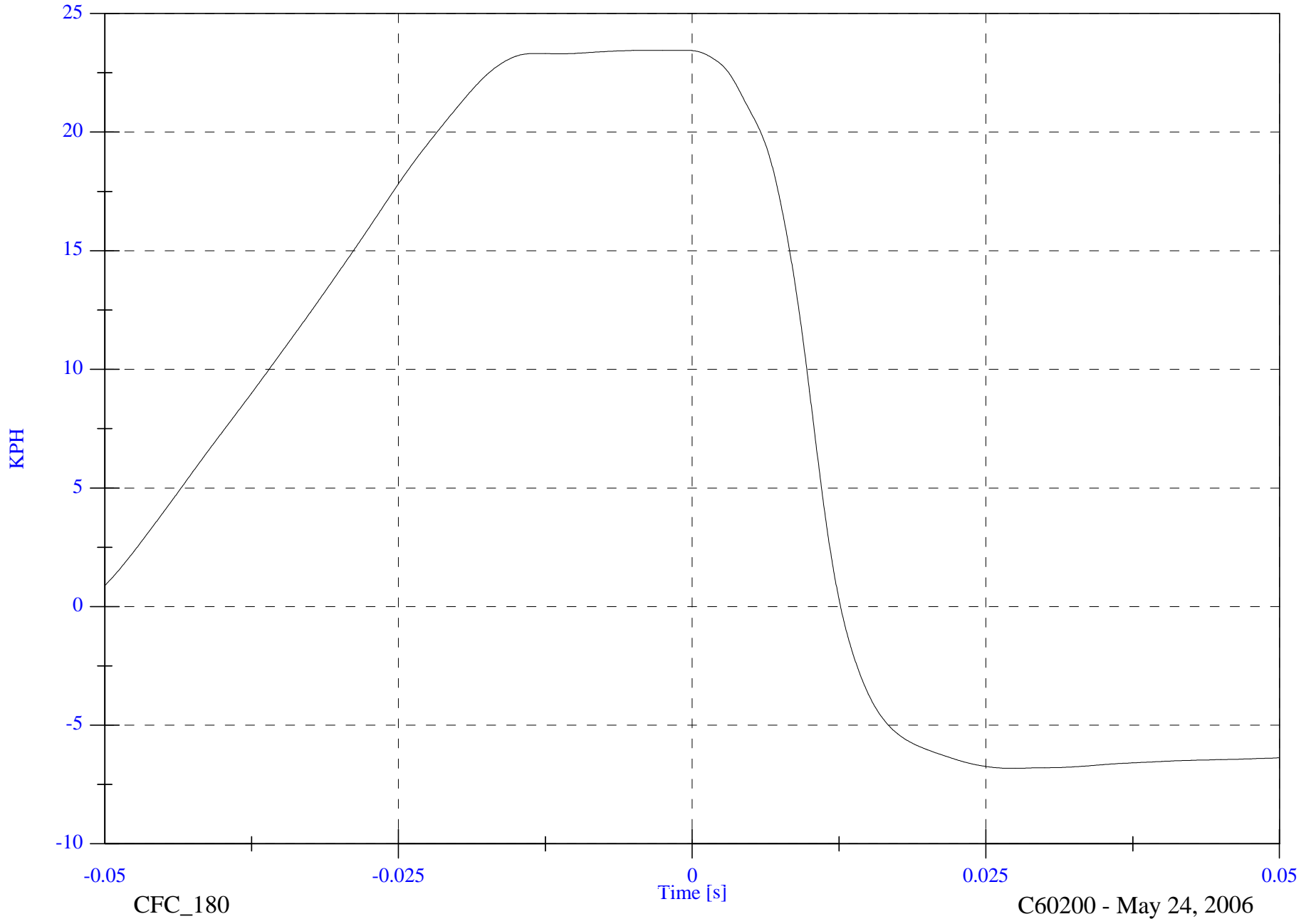
Max: 23.4 [KPH] at -0.001 [s]

Headform Velocity

Min: -6.8 [KPH] at 0.027 [s]

C60200 PASSENGER SIDE BP3 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 24, 2006



PRE-IMPACT BP3

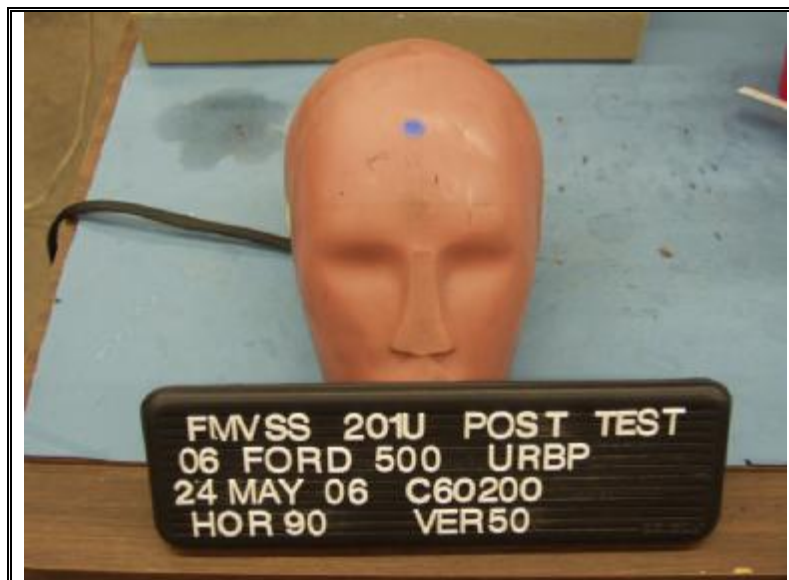


POST-IMPACT BP3

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	05
Test Date:	05/24/06
Target Location:	UPPER ROOF
Target Code:	URBP
Horizontal Impact Angle:	90°
Vertical Impact Angle:	50°
Ambient Temperature:	20.8°C
Relative Humidity:	37.3
Time of Impact:	13:00
Headform Number:	0805

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	5	<input checked="" type="checkbox"/> mm right	<input type="checkbox"/> mm left
On Centerline	36	mm up	



POST-IMPACT URBP HEADFORM

Free Motion HIC	903.4
HIC(d)	848.0
Impact Velocity (kph)	23.77
HIC T1 (msec)	2.4
HIC T2 (msec)	8.5

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - URBP

FMH Headform 0805

Location: URBP

Test Date: May 24, 2006

Work File: URBP

-----TEST RESULTS-----

Lab Temperature: 20.8 C

HICd: 848.0

Lab Humidity: 37.3 %

HIC (36ms): 903.4

Velocity at Impact: 23.77 KPH

t1: 2.4 msec

t2: 8.5 msec

Free Flight Distance: 224.69 mm

Duration: 6.1 msec

Maximum: 140.6 g

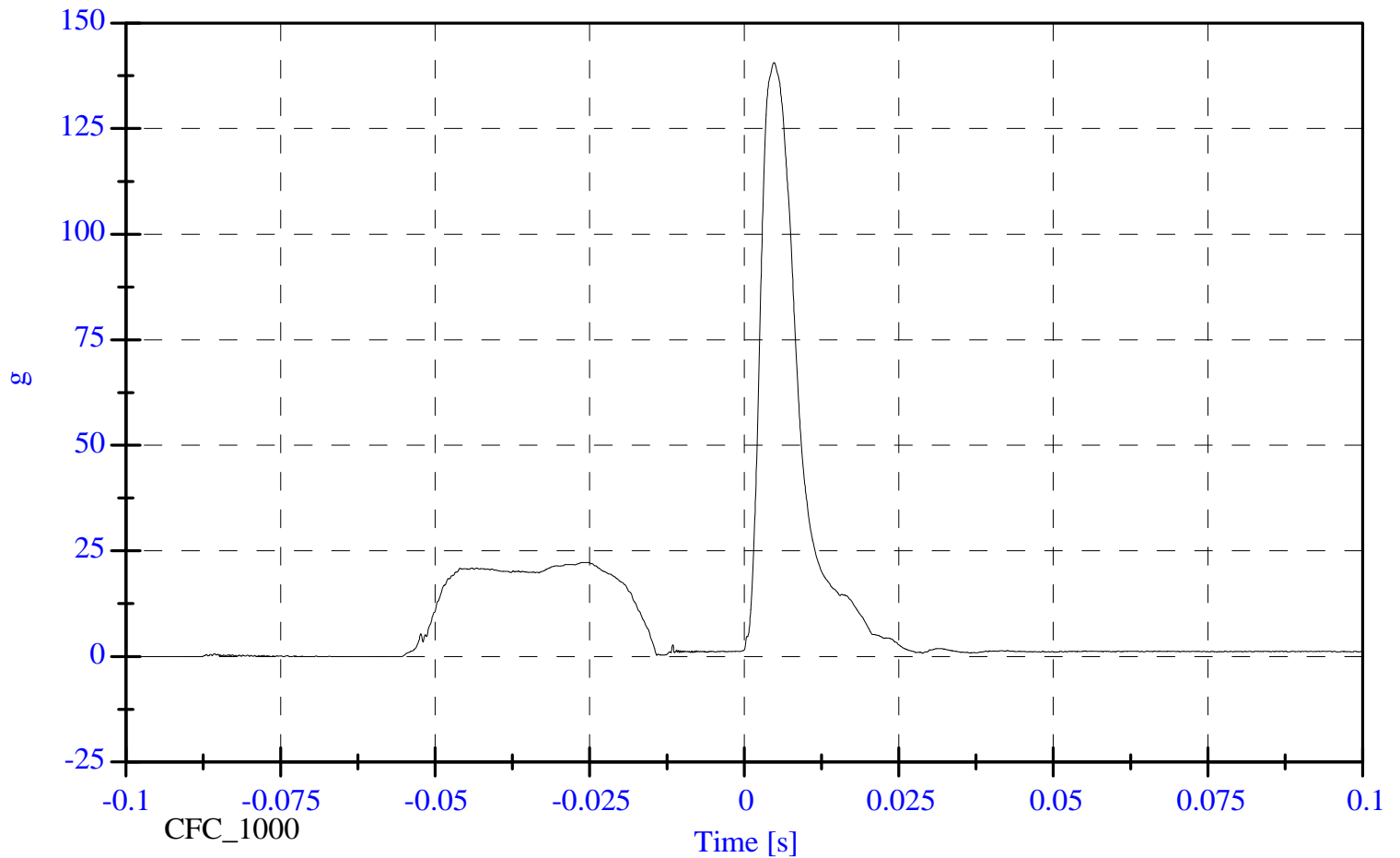
Average Acceleration: 9.2 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 140.6 [g] at 0.005 [s]

Headform Resultant

Min: -0.0 [g] at -0.099 [s]



FMVSS 201U IMPACT TEST - 2006 FORD 500

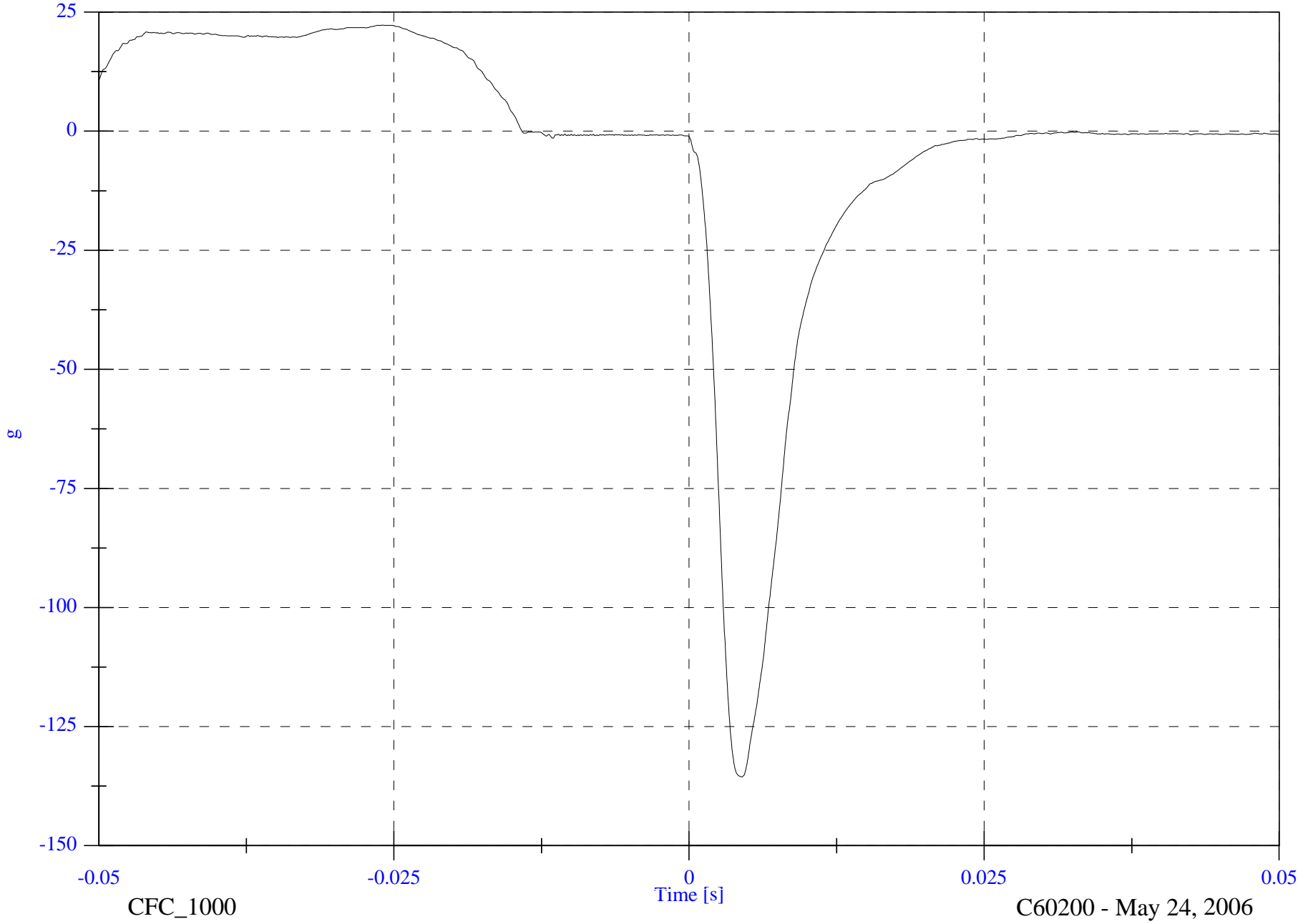
Headform X Acceleration

Max: 22.2 [g] at -0.026 [s]

Min: -135.6 [g] at 0.004 [s]

C60200 PASSENGER SIDE URBP IMPACT PLOT #1

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

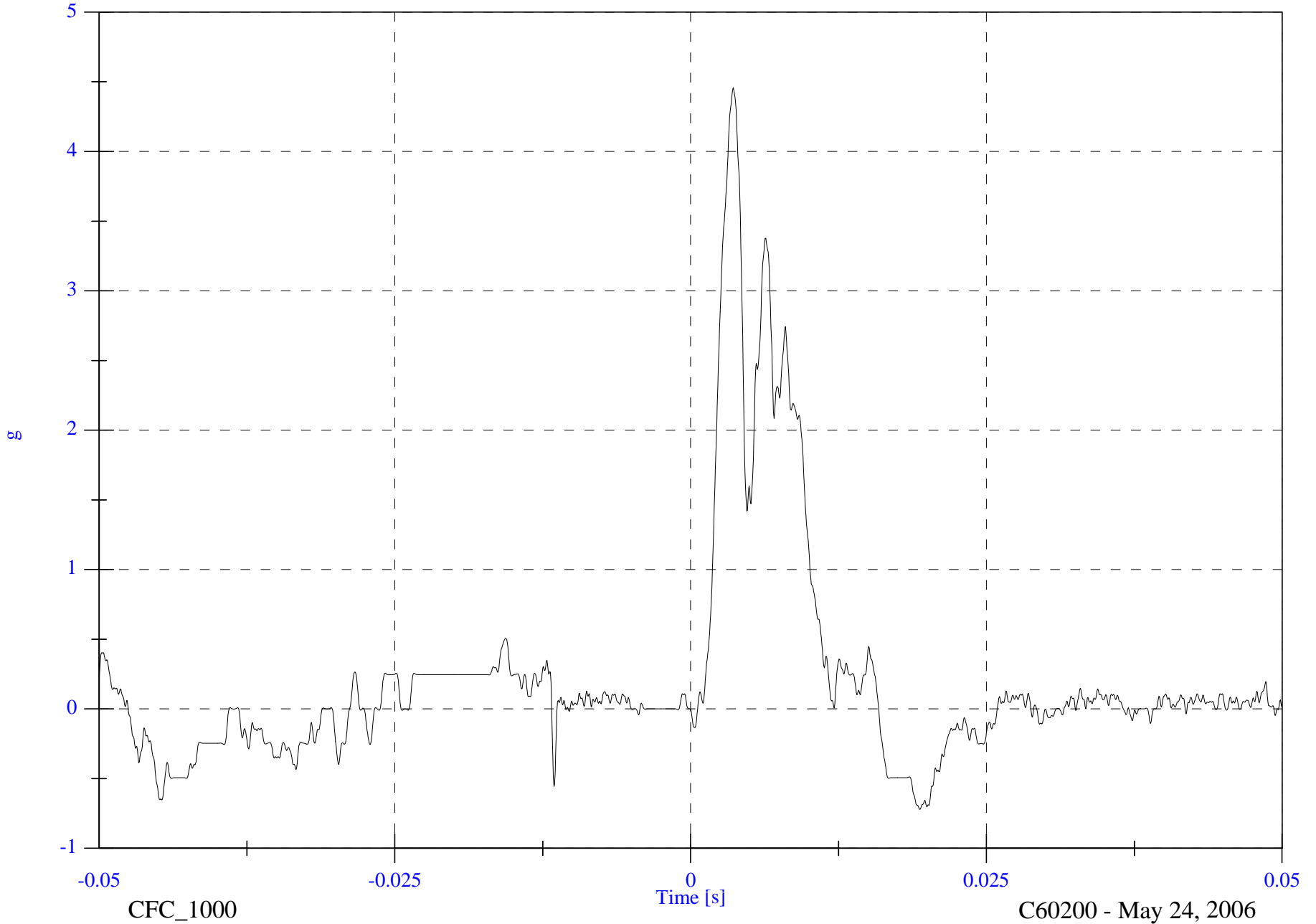
Headform Y Acceleration

Max: 4.5 [g] at 0.004 [s]

Min: -0.7 [g] at 0.019 [s]

C60200 PASSENGER SIDE URBP IMPACT PLOT #2

8754-FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

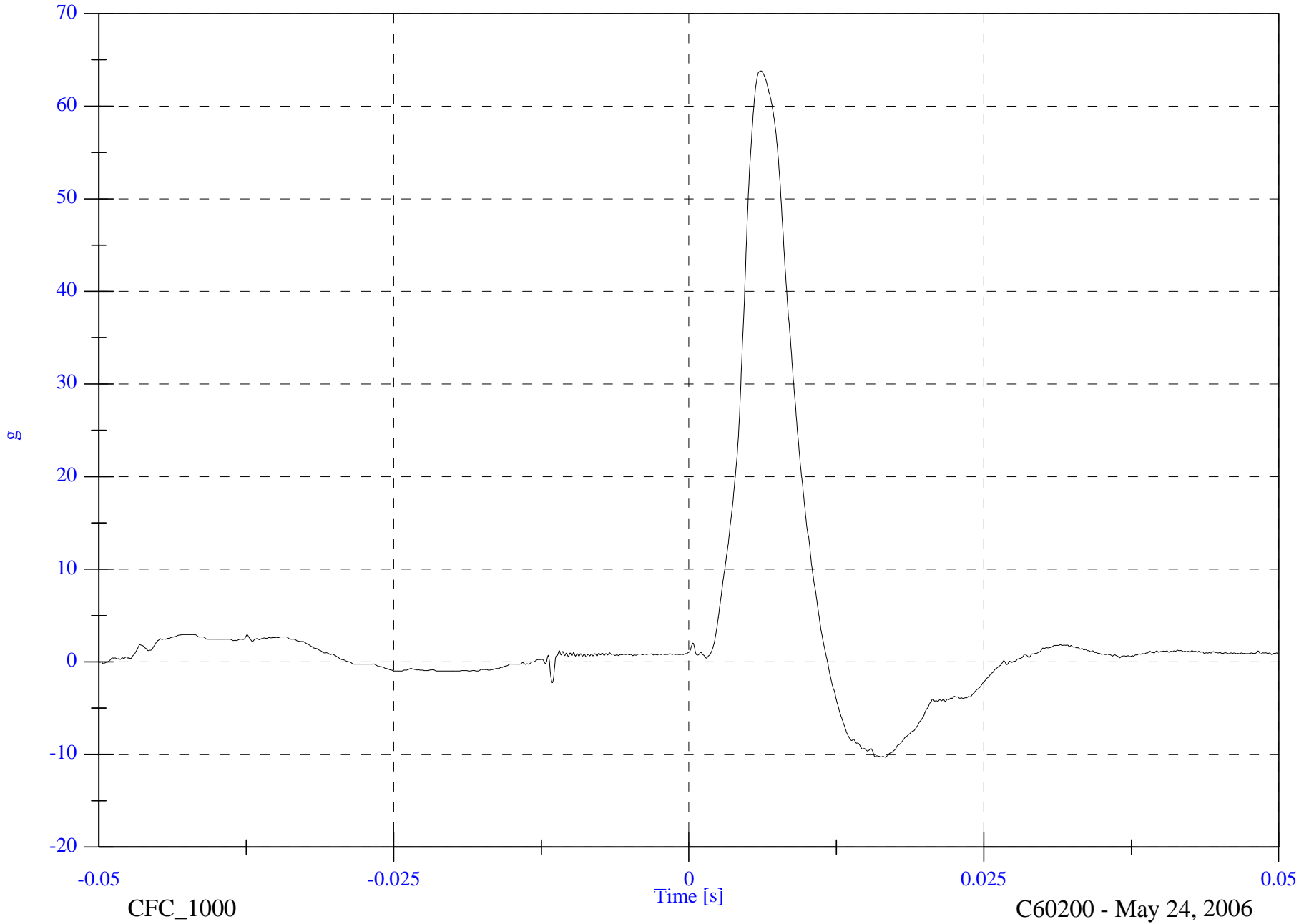
Headform Z Acceleration

Max: 63.8 [g] at 0.006 [s]

Min: -10.3 [g] at 0.017 [s]

C602000 PASSENGER SIDE URBP IMPACT PLOT #3

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

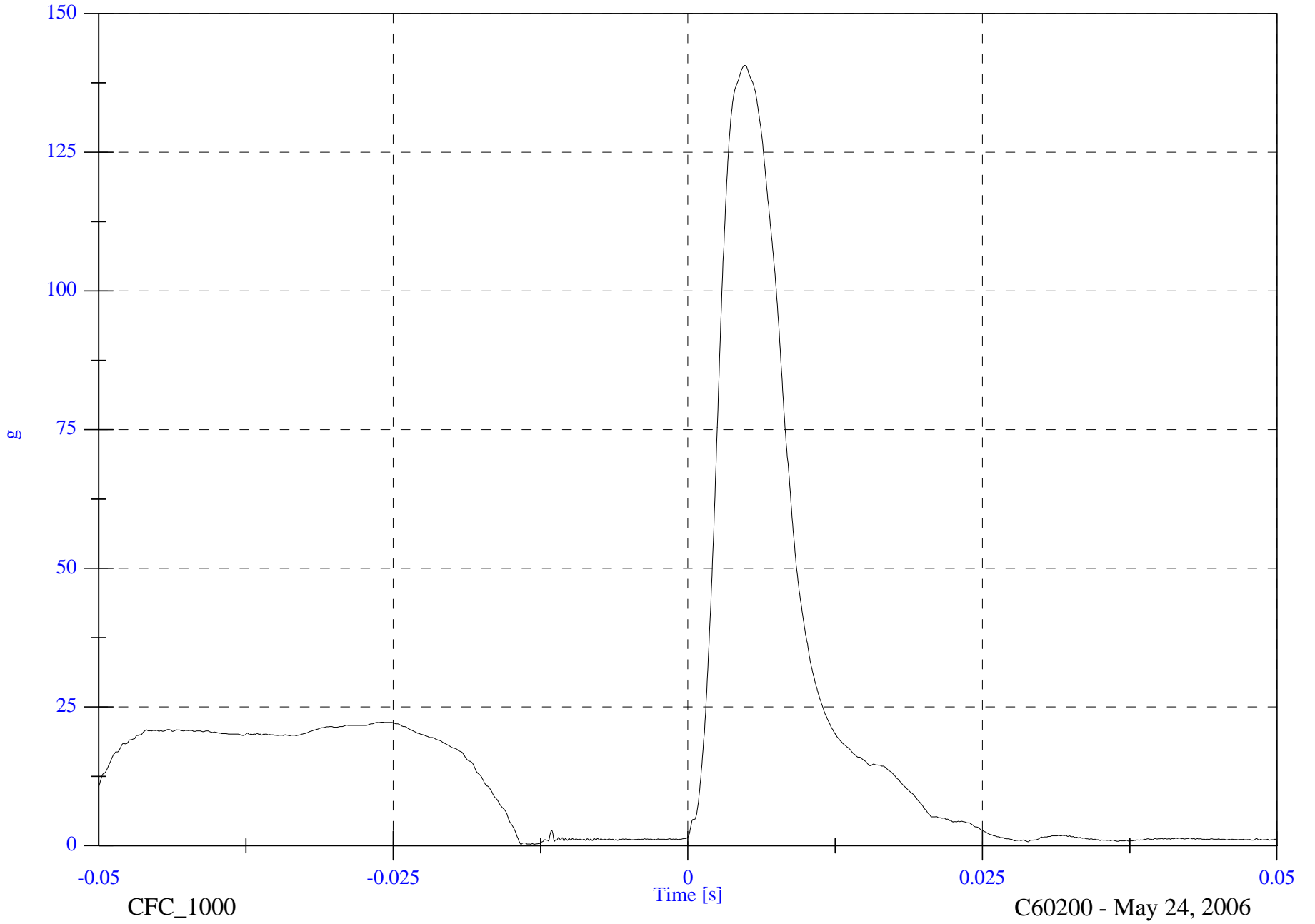
Max: 140.6 [g] at 0.005 [s]

Headform Resultant

Min: 0.2 [g] at -0.014 [s]

C60200 PASSENGER SIDE URBP IMPACT PLOT #4

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

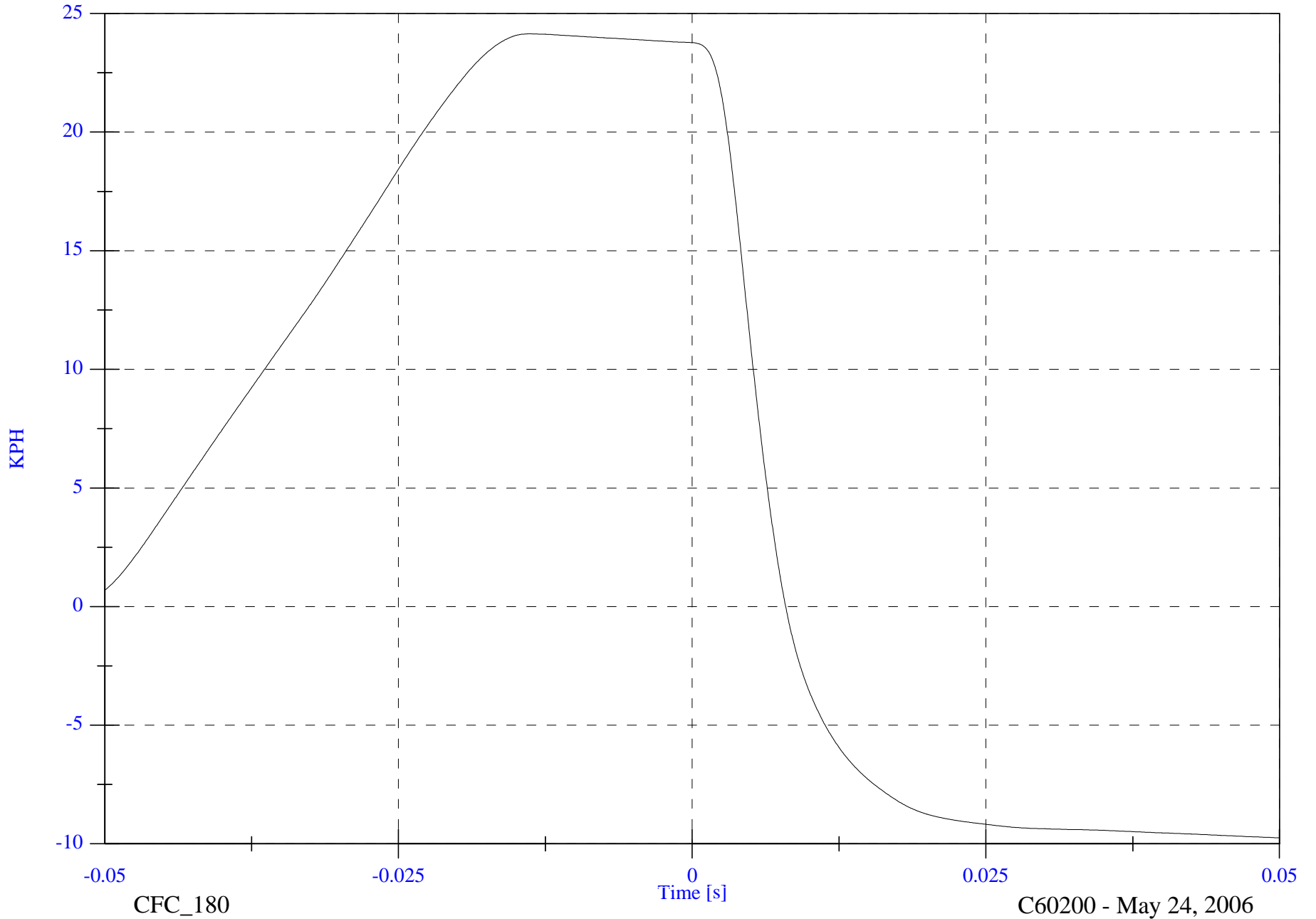
Max: 24.1 [KPH] at -0.014 [s]

Headform Velocity

Min: -9.7 [KPH] at 0.050 [s]

C60200 PASSENGER SIDE URBP IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 24, 2006



PRE-IMPACT URBP



POST-IMPACT URBP

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	06
Test Date:	05/24/06
Target Location:	SIDE RAIL
Target Code:	SR3
Horizontal Impact Angle:	90°
Vertical Impact Angle:	38°
Ambient Temperature:	20.6°C
Relative Humidity:	34.6
Time of Impact:	14:25
Headform Number:	0642

Impact Point Description (from lower midpoint on midsagittal line)					
On Centerline	4	<input checked="" type="checkbox"/>	mm right	<input type="checkbox"/>	mm left
On Centerline	44				mm up



POST-IMPACT SR3 HEADFORM

Free Motion HIC	626.1
HIC(d)	638.8
Impact Velocity (kph)	23.56
HIC T1 (msec)	2.2
HIC T2 (msec)	8.6

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - SR3

FMH Headform 0642

Location: SR3

Test Date: May 24, 2006

Work File: SR3

-----TEST RESULTS-----

Lab Temperature: 20.6 C

HICd: 638.8

Lab Humidity: 34.6 %

HIC (36ms): 626.1

Velocity at Impact: 23.56 KPH

t1: 2.2 msec

t2: 8.6 msec

Free Flight Distance: 218.07 mm

Duration: 6.5 msec

Maximum: 124.2 g

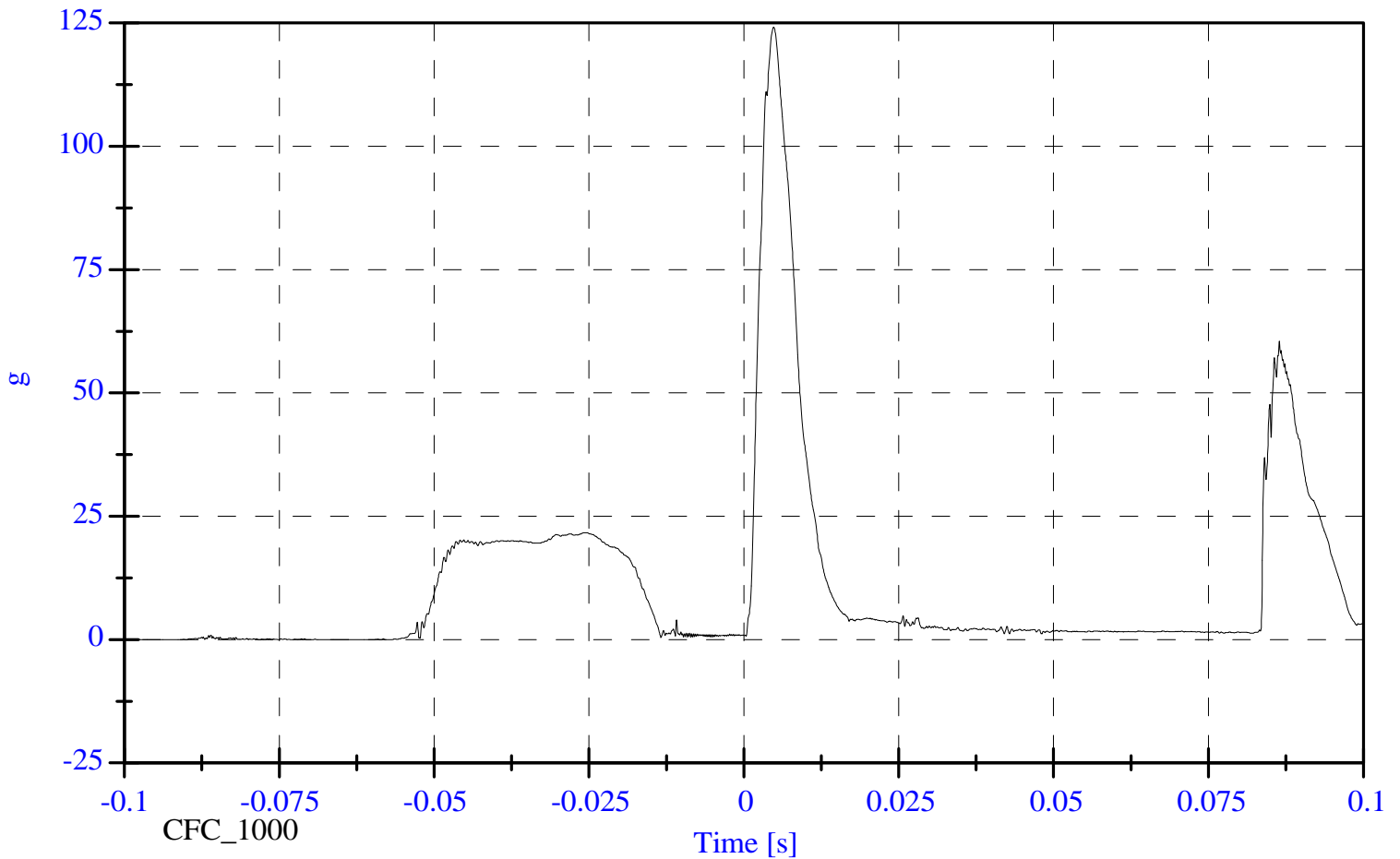
Average Acceleration: 10.8 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 124.2 [g] at 0.005 [s]

Headform Resultant

Min: -0.0 [g] at -0.099 [s]



FMVSS 201U IMPACT TEST - 2006 FORD 500

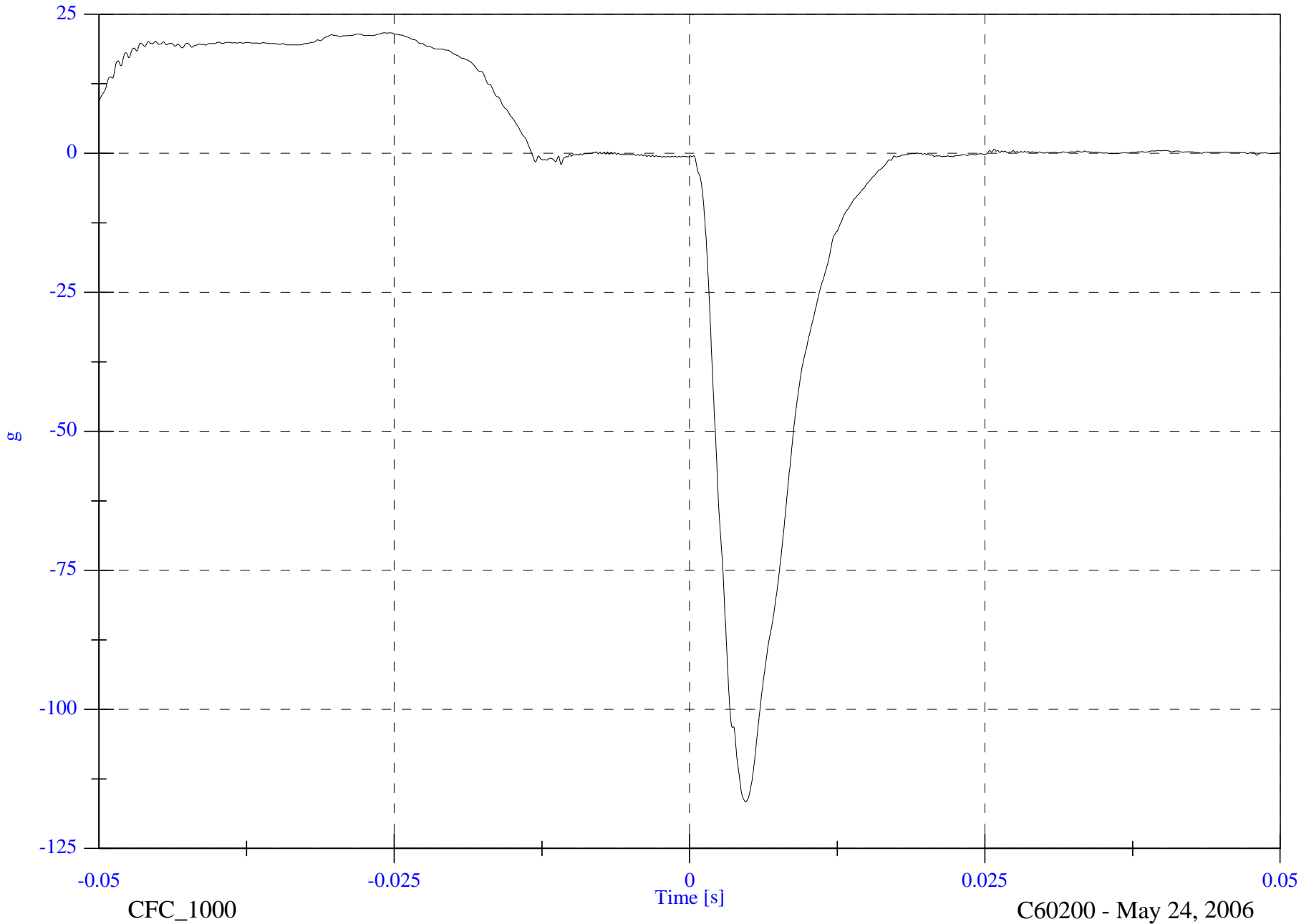
Headform X Acceleration

Max: 21.7 [g] at -0.025 [s]

Min: -116.6 [g] at 0.005 [s]

C60200 PASSENGER SIDE SR3 IMPACT PLOT #1

8754+FMH-15



CFC_1000

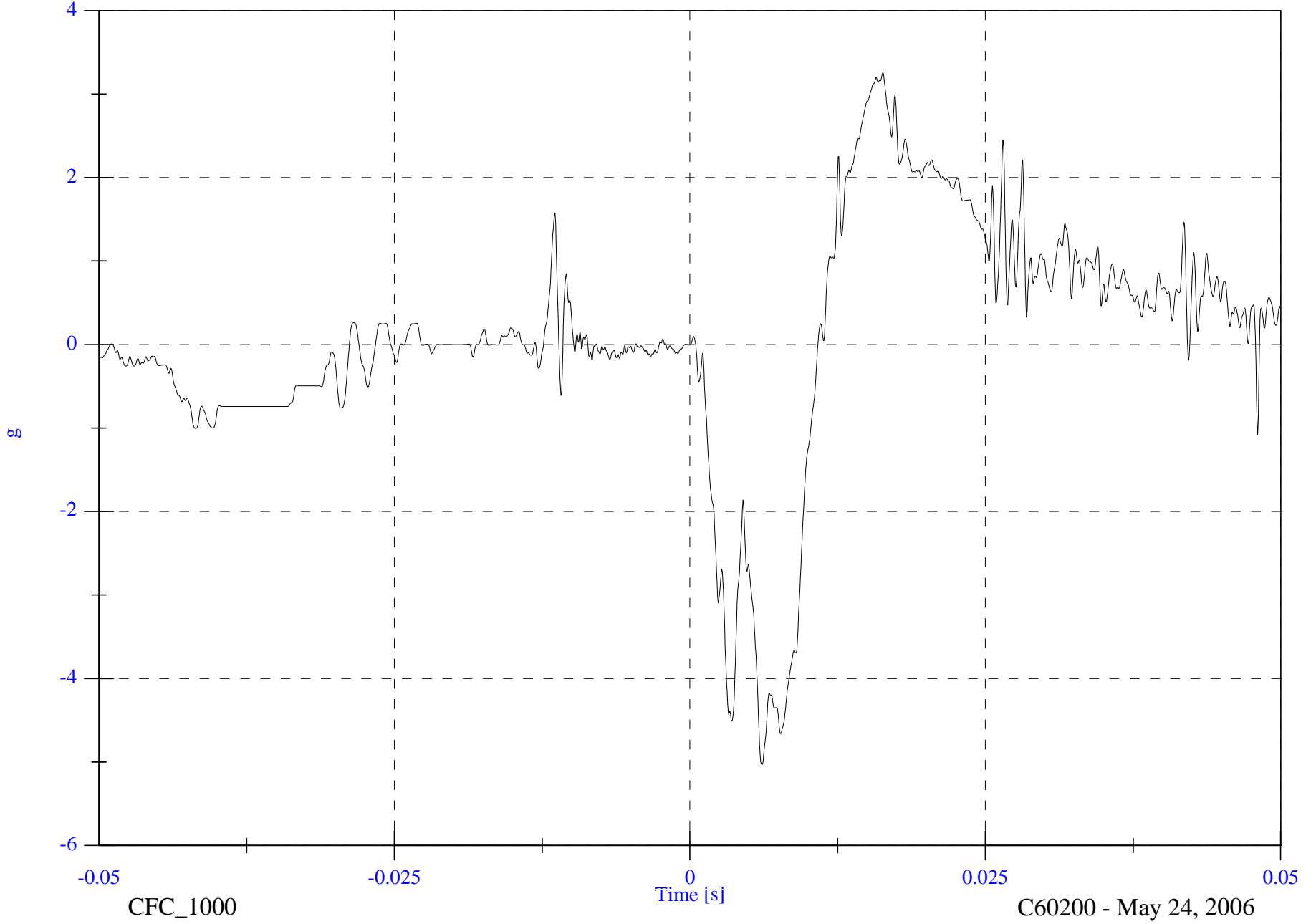
C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

Headform Y Acceleration

Max: 3.3 [g] at 0.016 [s]

Min: -5.0 [g] at 0.006 [s]



C60200 PASSENGER SIDE SR3 IMPACT PLOT #2

8754+FMH-15

CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

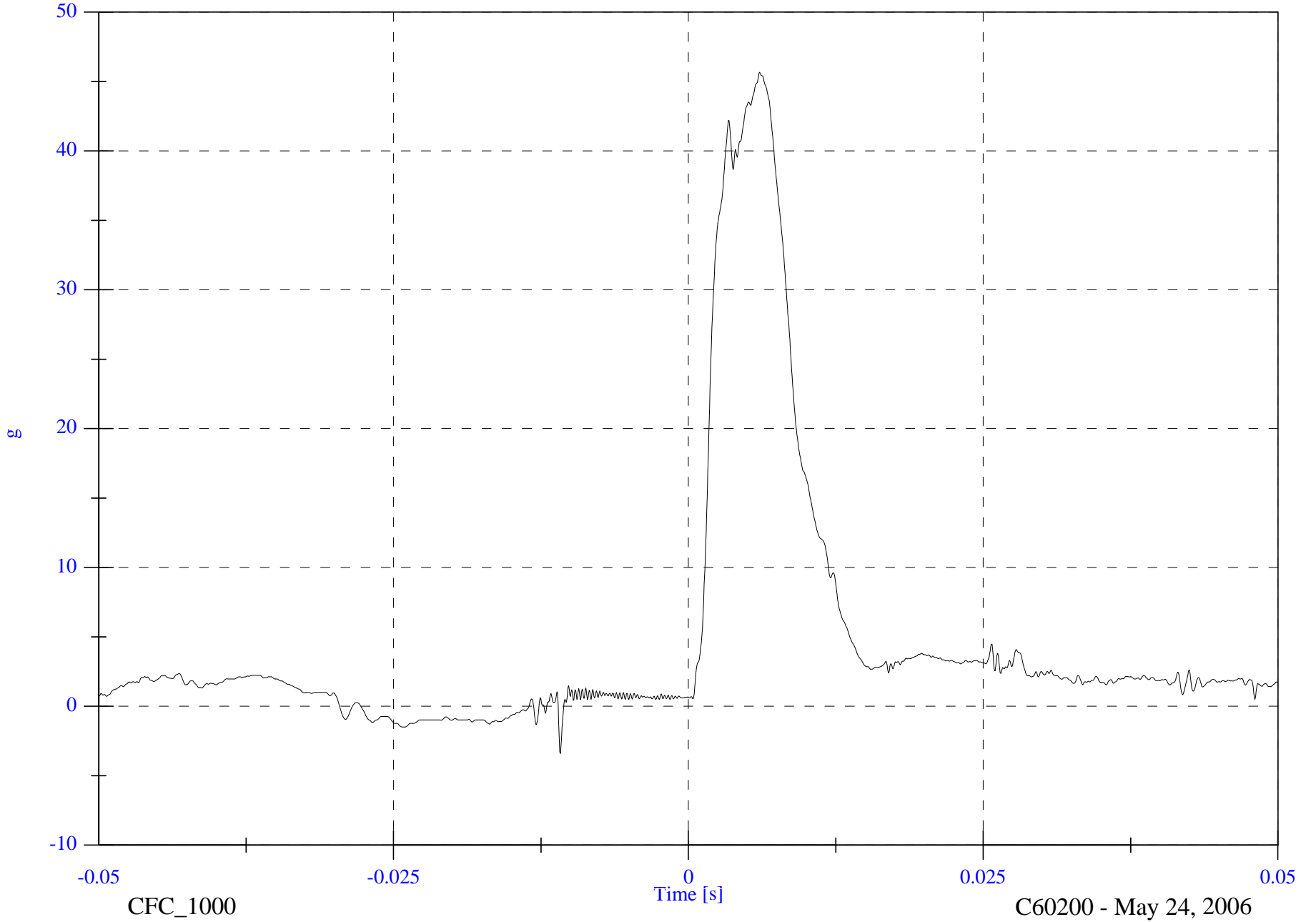
Headform Z Acceleration

Max: 45.7 [g] at 0.006 [s]

Min: -3.4 [g] at -0.011 [s]

C60200 PASSENGER SIDE SR3 IMPACT PLOT #3

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

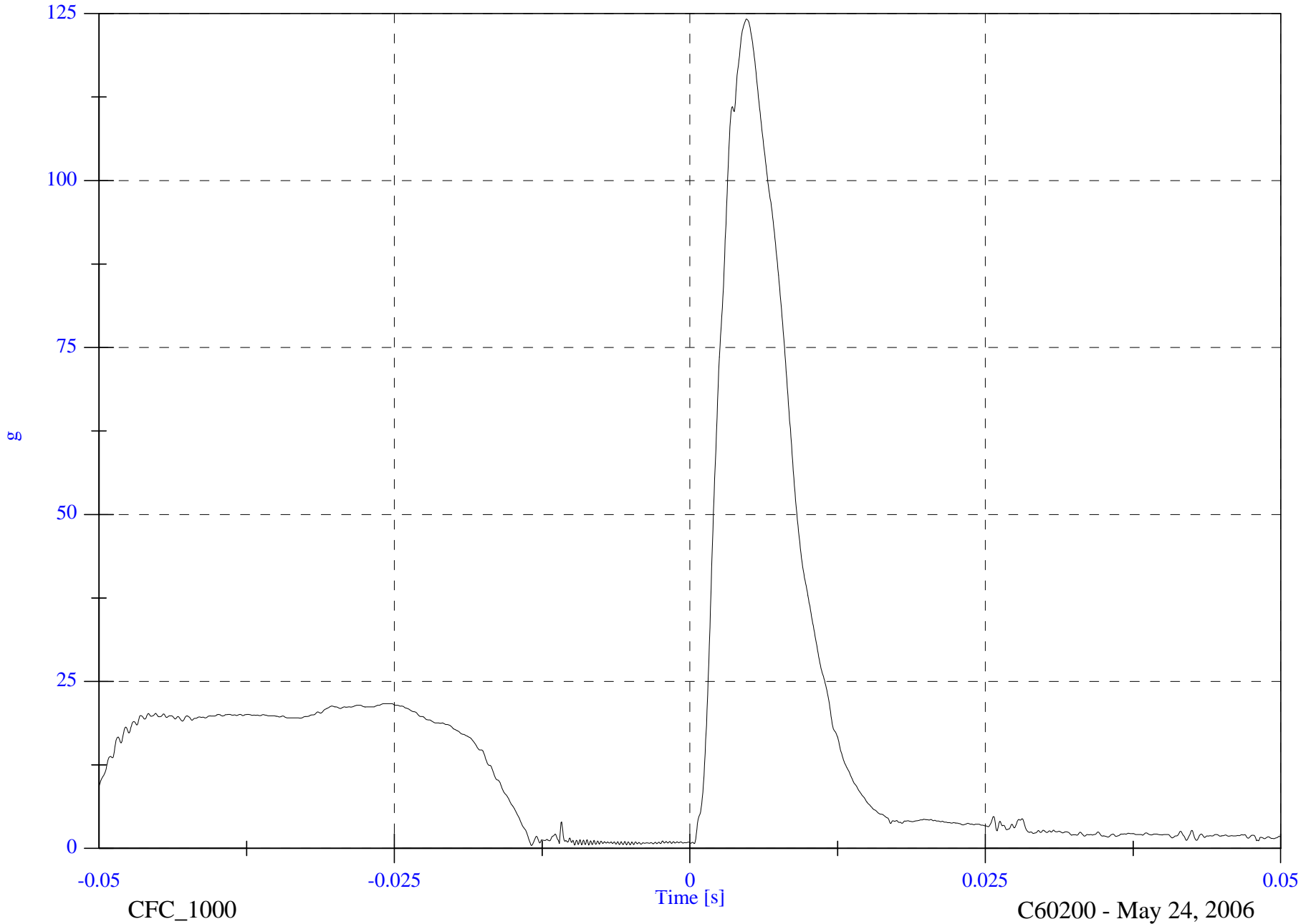
Headform Resultant

Max: 124.2 [g] at 0.005 [s]

Min: 0.4 [g] at -0.013 [s]

C60200 PASSENGER SIDE SR3 IMPACT PLOT #4

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

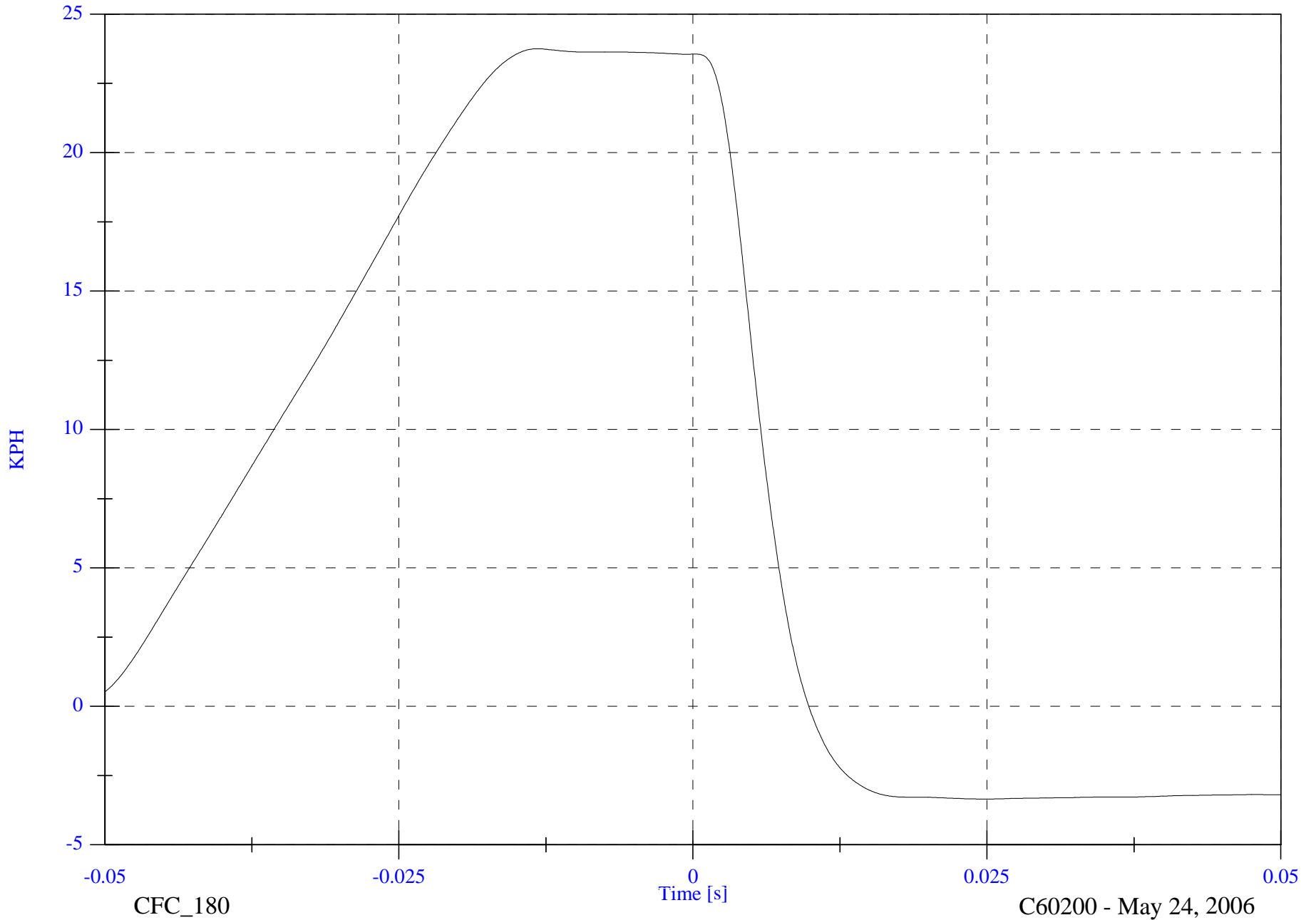
Max: 23.8 [KPH] at -0.013 [s]

Headform Velocity

Min: -3.4 [KPH] at 0.025 [s]

C60200 PASSENGER SIDE SR3 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 24, 2006



PRE-IMPACT SR3



POST-IMPACT SR3

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	07
Test Date:	05/24/06
Target Location:	OTHER PILLAR
Target Code:	OP2
Horizontal Impact Angle:	90°
Vertical Impact Angle:	0°
Ambient Temperature:	20.5°C
Relative Humidity:	34.8
Time of Impact:	14:45
Headform Number:	0355

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	5	mm right	x mm left
On Centerline	30	mm up	



POST-IMPACT OP2 HEADFORM

Free Motion HIC	643.1
HIC(d)	651.6
Impact Velocity (kph)	23.31
HIC T1 (msec)	7.0
HIC T2 (msec)	14.2

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - OP2

FMH Headform 0355

Location: OP2

Test Date: May 24, 2006

Work File: OP2

-----TEST RESULTS-----

Lab Temperature: 20.5 C

HICd: 651.6

Lab Humidity: 34.8 %

HIC (36ms): 643.1

Velocity at Impact: 23.31 KPH

t1: 7.0 msec

t2: 14.2 msec

Free Flight Distance: 220.59 mm

Duration: 7.2 msec

Maximum: 114.4 g

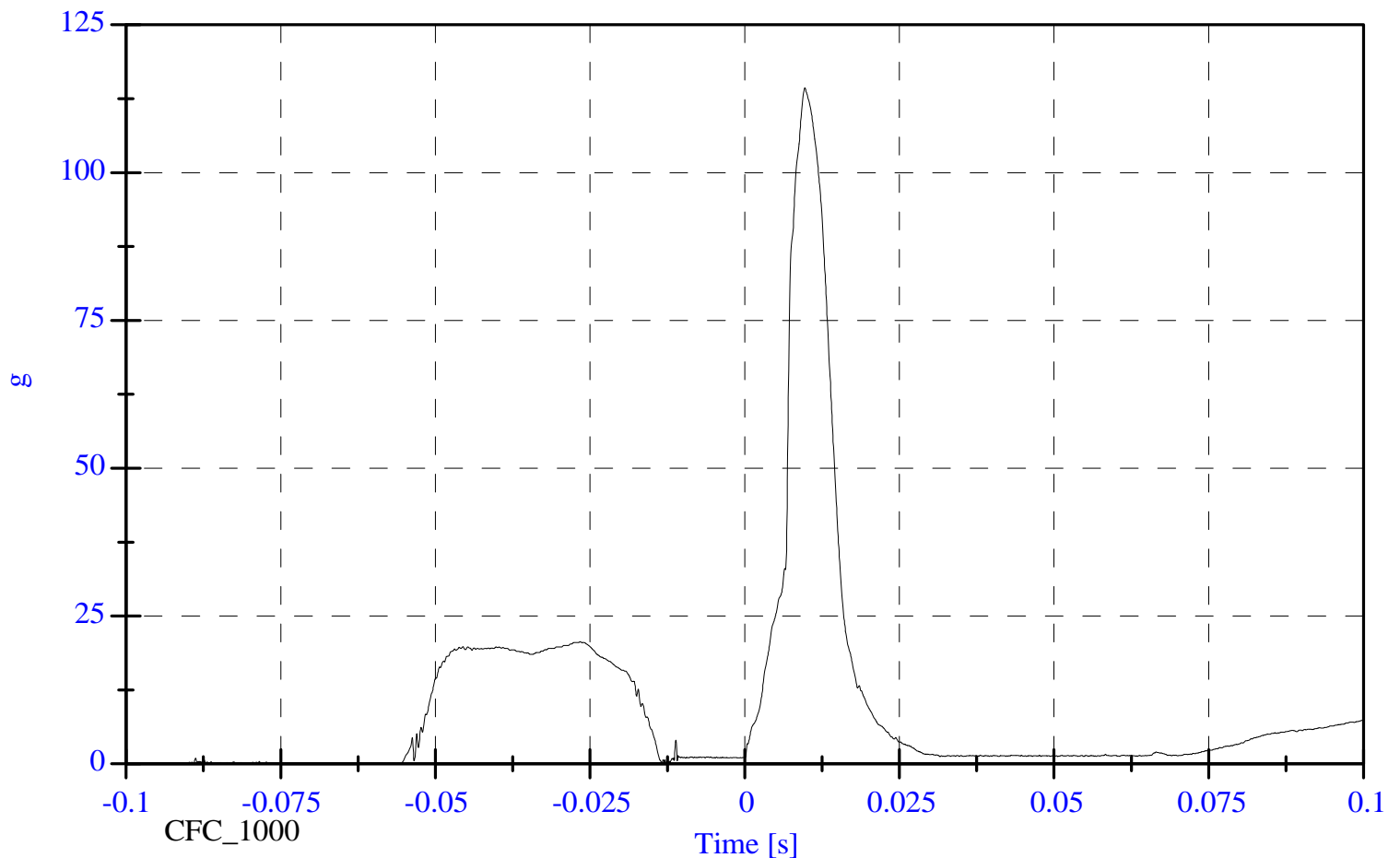
Average Acceleration: 9.4 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 114.4 [g] at 0.010 [s]

Headform Resultant

Min: 0.0 [g] at -0.063 [s]



FMVSS 201U IMPACT TEST - 2006 FORD 500

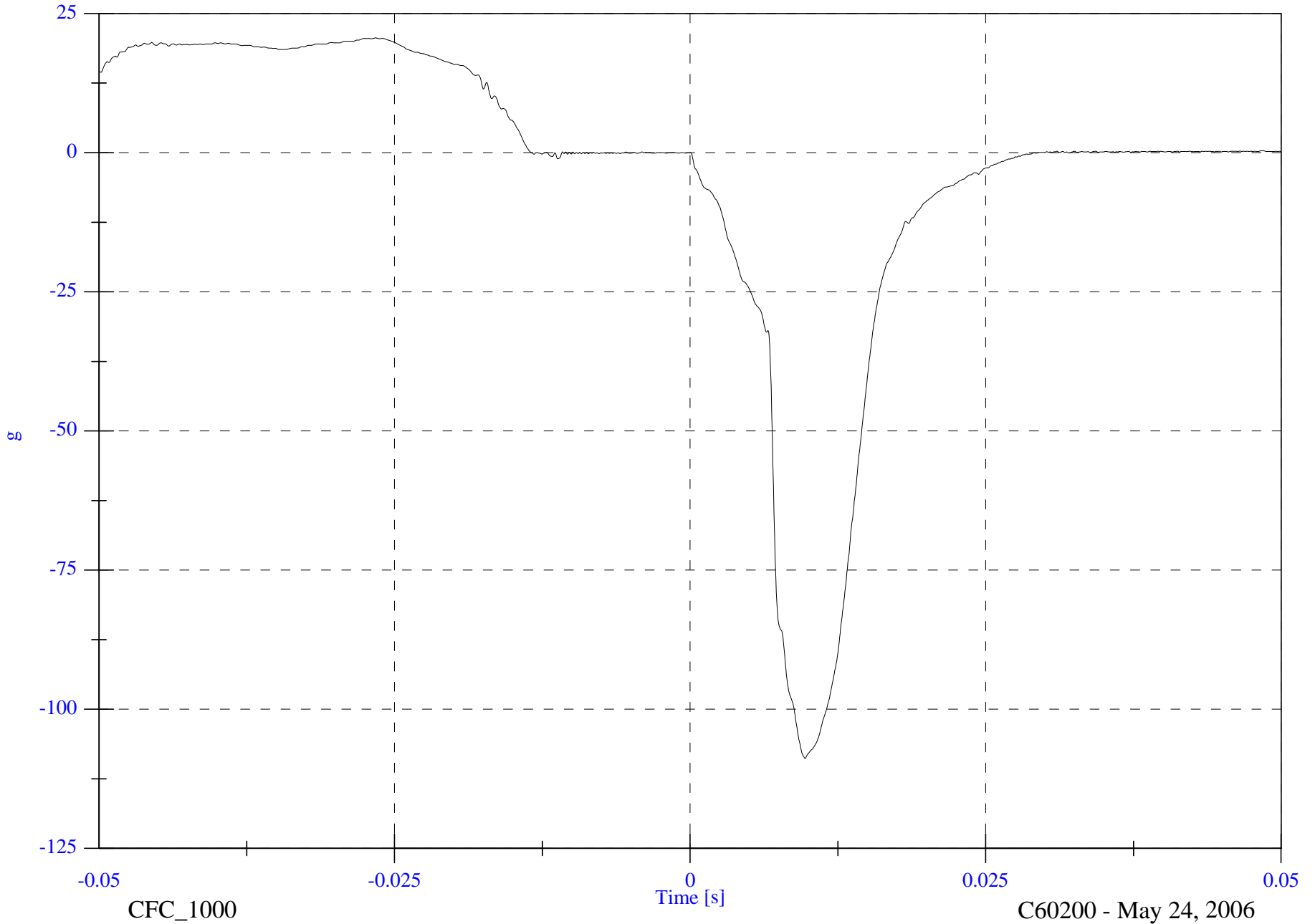
Headform X Acceleration

Max: 20.6 [g] at -0.027 [s]

Min: -108.8 [g] at 0.010 [s]

C60200 PASSENGER SIDE OP2 IMPACT PLOT #1

8754+FMH-15



CFC_1000

Time [s]

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

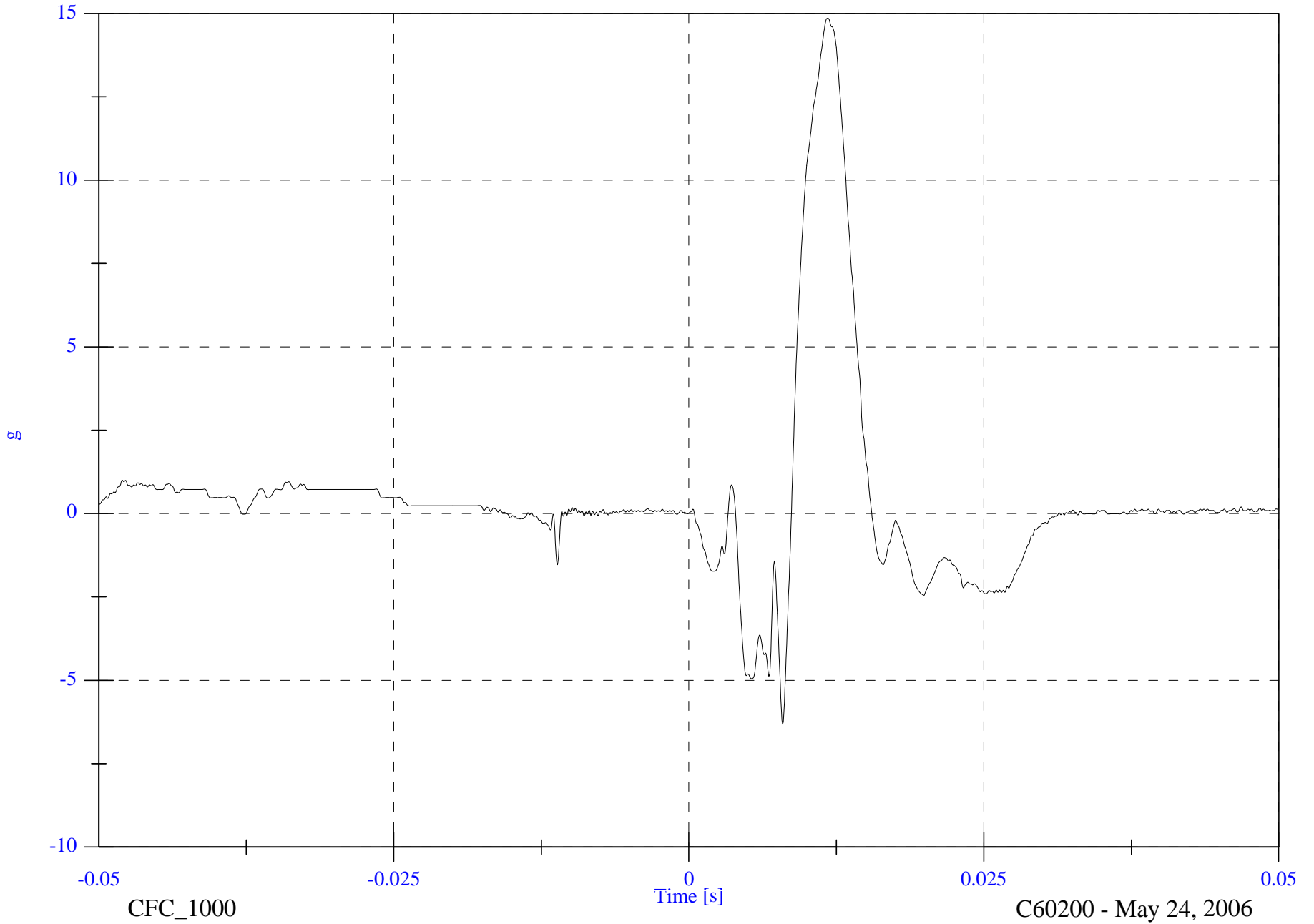
Headform Y Acceleration

Max: 14.9 [g] at 0.012 [s]

Min: -6.3 [g] at 0.008 [s]

C60200 PASSENGER SIDE OP2 IMPACT PLOT #2

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

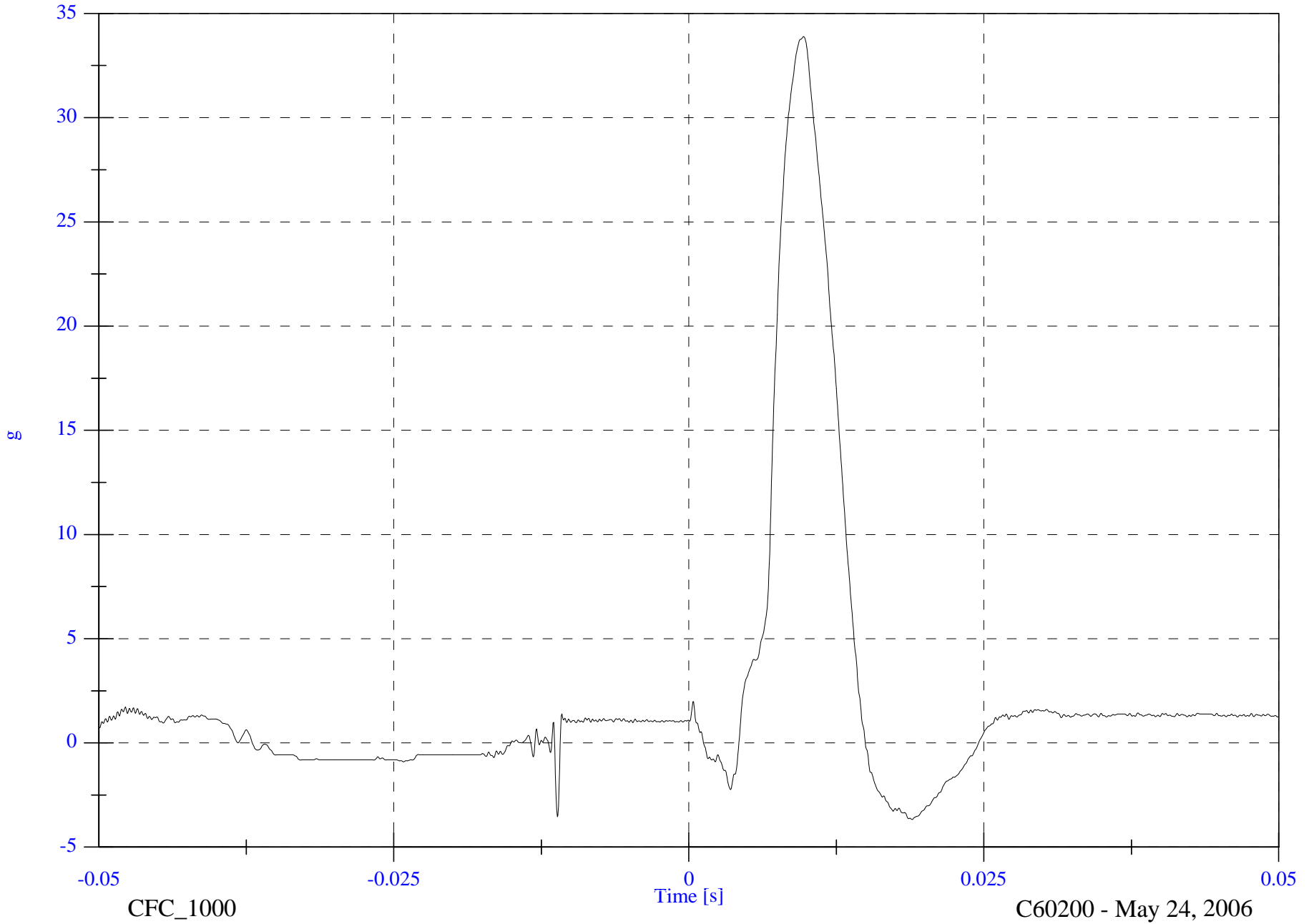
Headform Z Acceleration

Max: 33.9 [g] at 0.010 [s]

Min: -3.7 [g] at 0.019 [s]

C60200 PASSENGER SIDE OP2 IMPACT PLOT #3

8754+FMH-15



FMVSS 201U IMPACT TEST - 2006 FORD 500

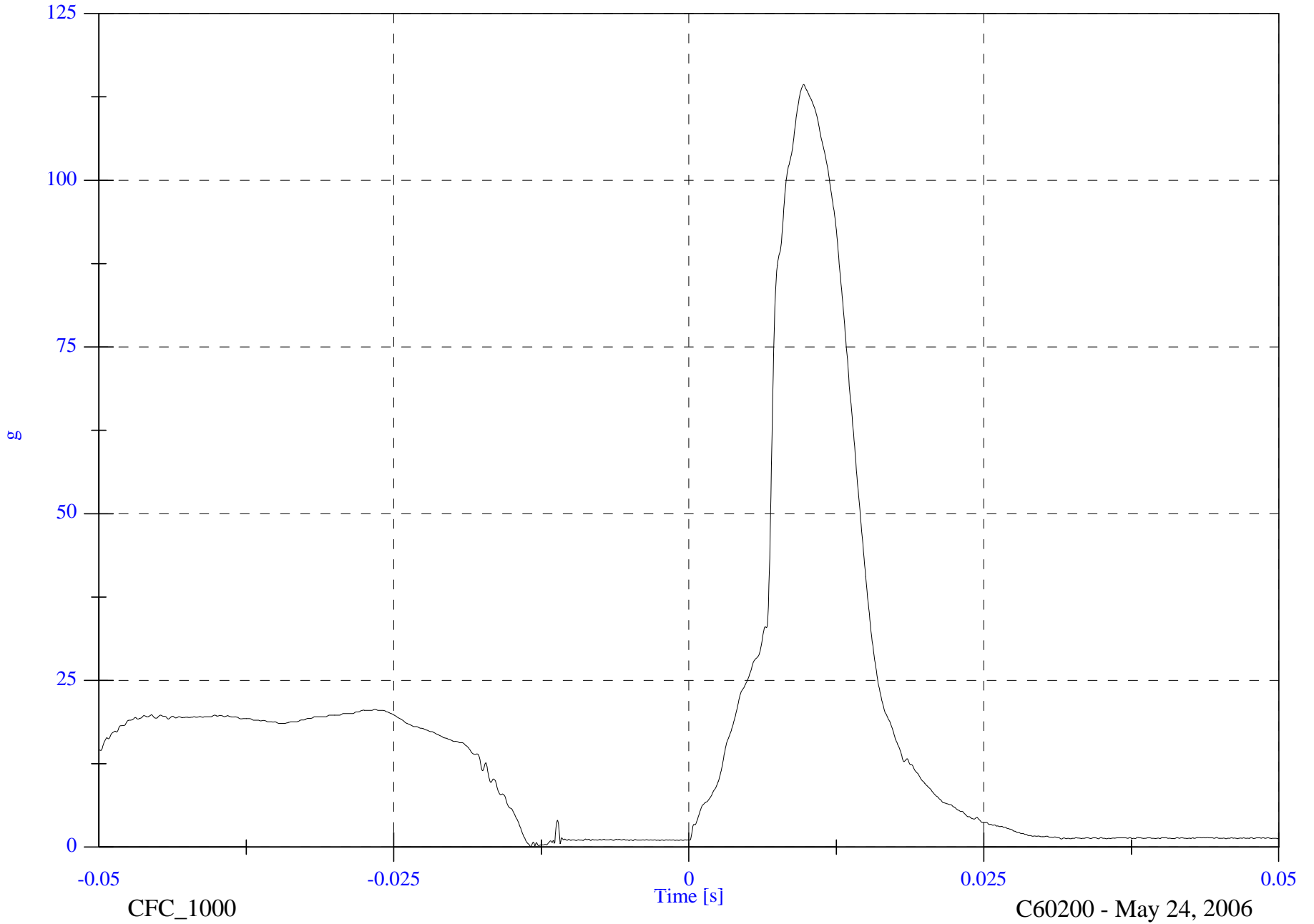
Headform Resultant

Max: 114.4 [g] at 0.010 [s]

Min: 0.0 [g] at -0.013 [s]

C60200 PASSENGER SIDE OP2 IMPACT PLOT #4

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

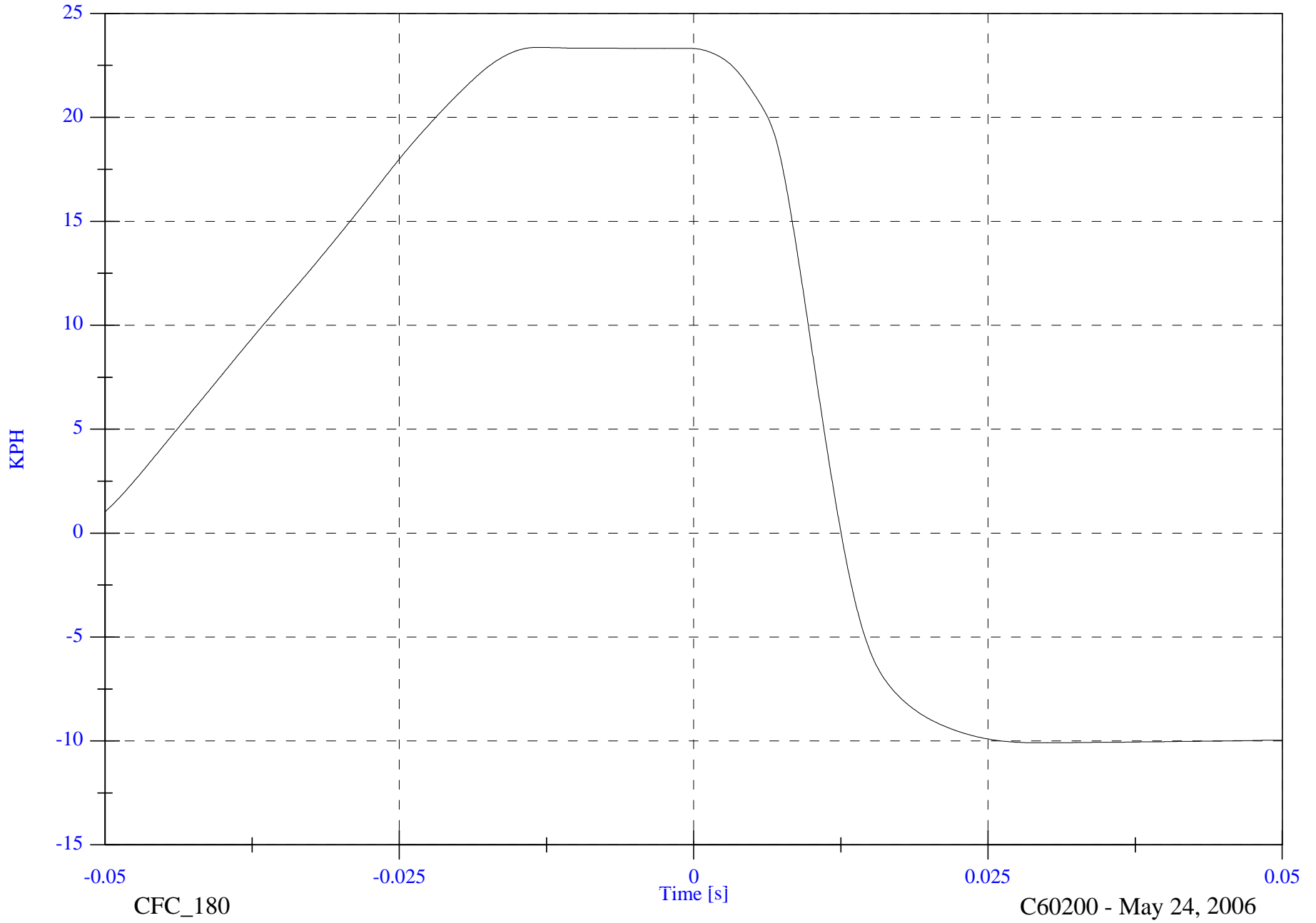
Headform Velocity

Max: 23.4 [KPH] at -0.013 [s]

Min: -10.1 [KPH] at 0.030 [s]

C60200 PASSENGER SIDE OP2 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 24, 2006



PRE-IMPACT OP2



POST-IMPACT OP2

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	08
Test Date:	05/24/06
Target Location:	REAR PILLAR
Target Code:	RP1
Horizontal Impact Angle:	64°
Vertical Impact Angle:	11°
Ambient Temperature:	20.7°C
Relative Humidity:	35
Time of Impact:	15:10
Headform Number:	0062

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	0	<input type="checkbox"/>	mm right <input type="checkbox"/> mm left
On Centerline	51		mm up



POST-IMPACT RP1 HEADFORM

Free Motion HIC	276.9
HIC(d)	375.3
Impact Velocity (kph)	23.65
HIC T1 (msec)	1.7
HIC T2 (msec)	17.2

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - RP1

FMH Headform 0062

Location: RP1

Test Date: May 24, 2006

Work File: RP1

-----TEST RESULTS-----

Lab Temperature: 20.7 C

HICd: 375.3

Lab Humidity: 35.0 %

HIC (36ms): 276.9

Velocity at Impact: 23.65 KPH

t1: 1.7 msec

t2: 17.2 msec

Free Flight Distance: 218.01 mm

Duration: 15.5 msec

Maximum: 66.9 g

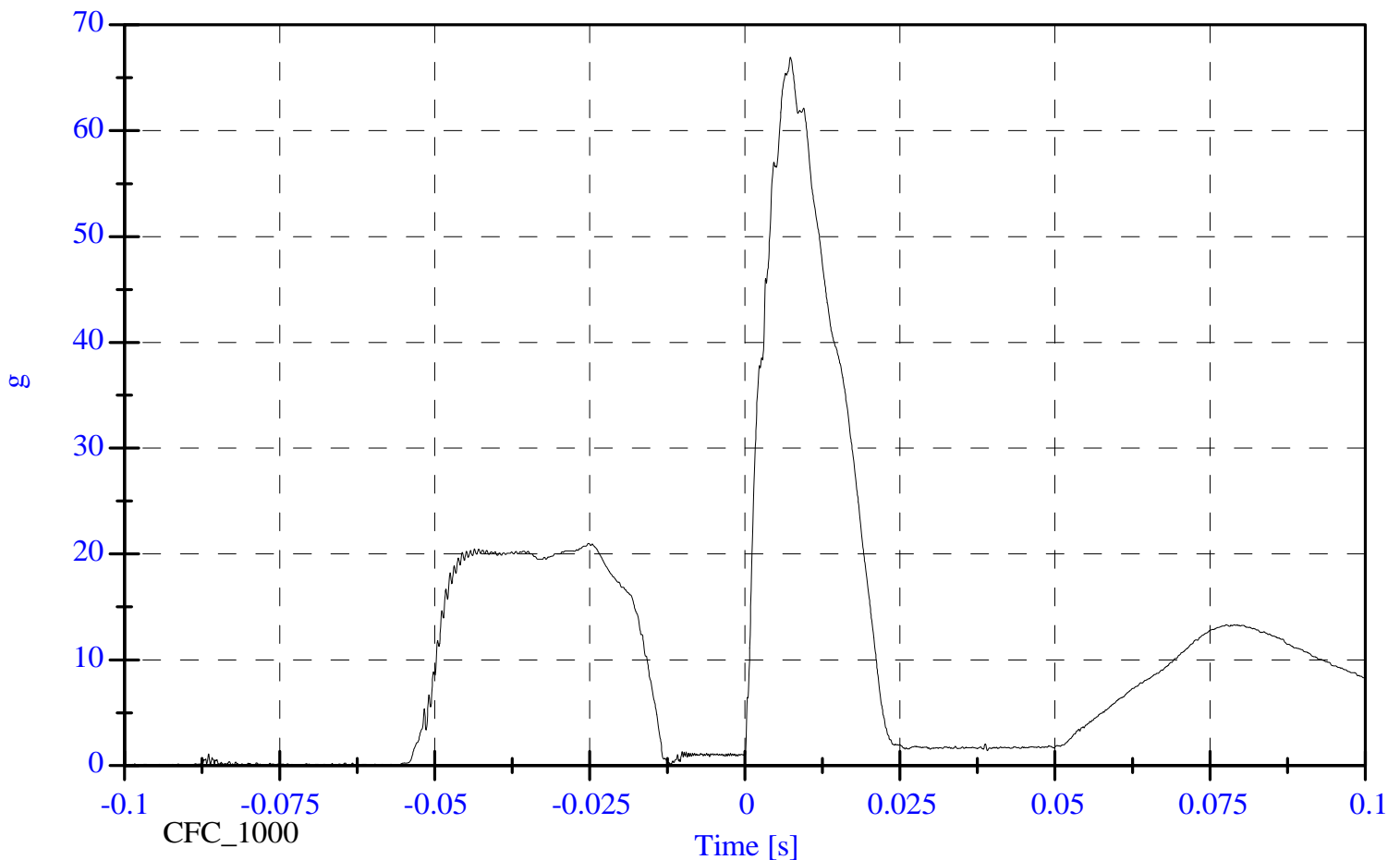
Average Acceleration: 10.5 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 66.9 [g] at 0.007 [s]

Headform Resultant

Min: 0.0 [g] at -0.078 [s]



FMVSS 201U IMPACT TEST - 2006 FORD 500

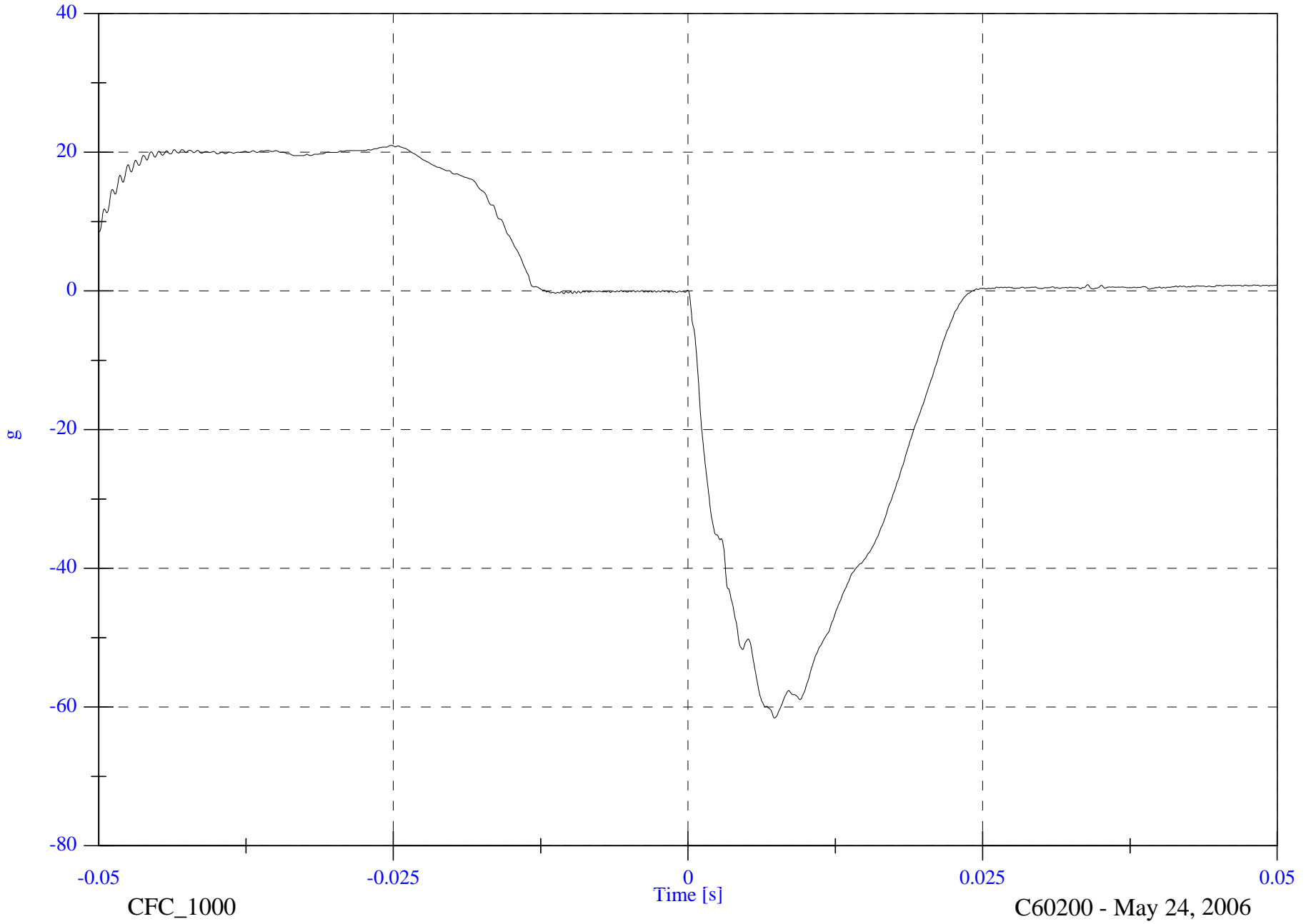
Headform X Acceleration

Max: 21.0 [g] at -0.025 [s]

Min: -61.6 [g] at 0.007 [s]

C60200 PASSENGER SIDE RP1 IMPACT PLOT #1

8754+FMH-15



FMVSS 201U IMPACT TEST - 2006 FORD 500

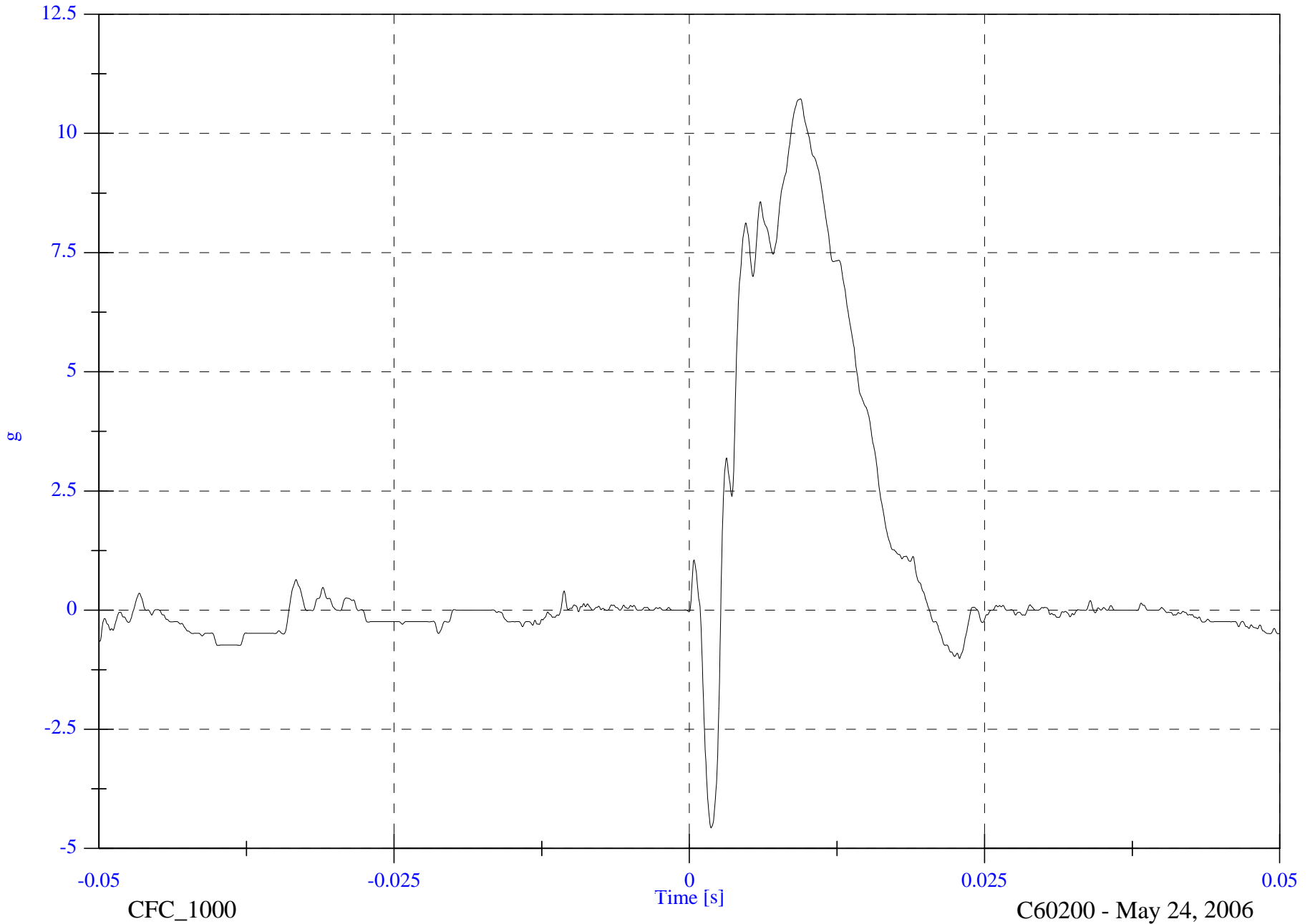
Headform Y Acceleration

Max: 10.7 [g] at 0.009 [s]

Min: -4.6 [g] at 0.002 [s]

C60200 PASSENGER SIDE RP1 IMPACT PLOT #2

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

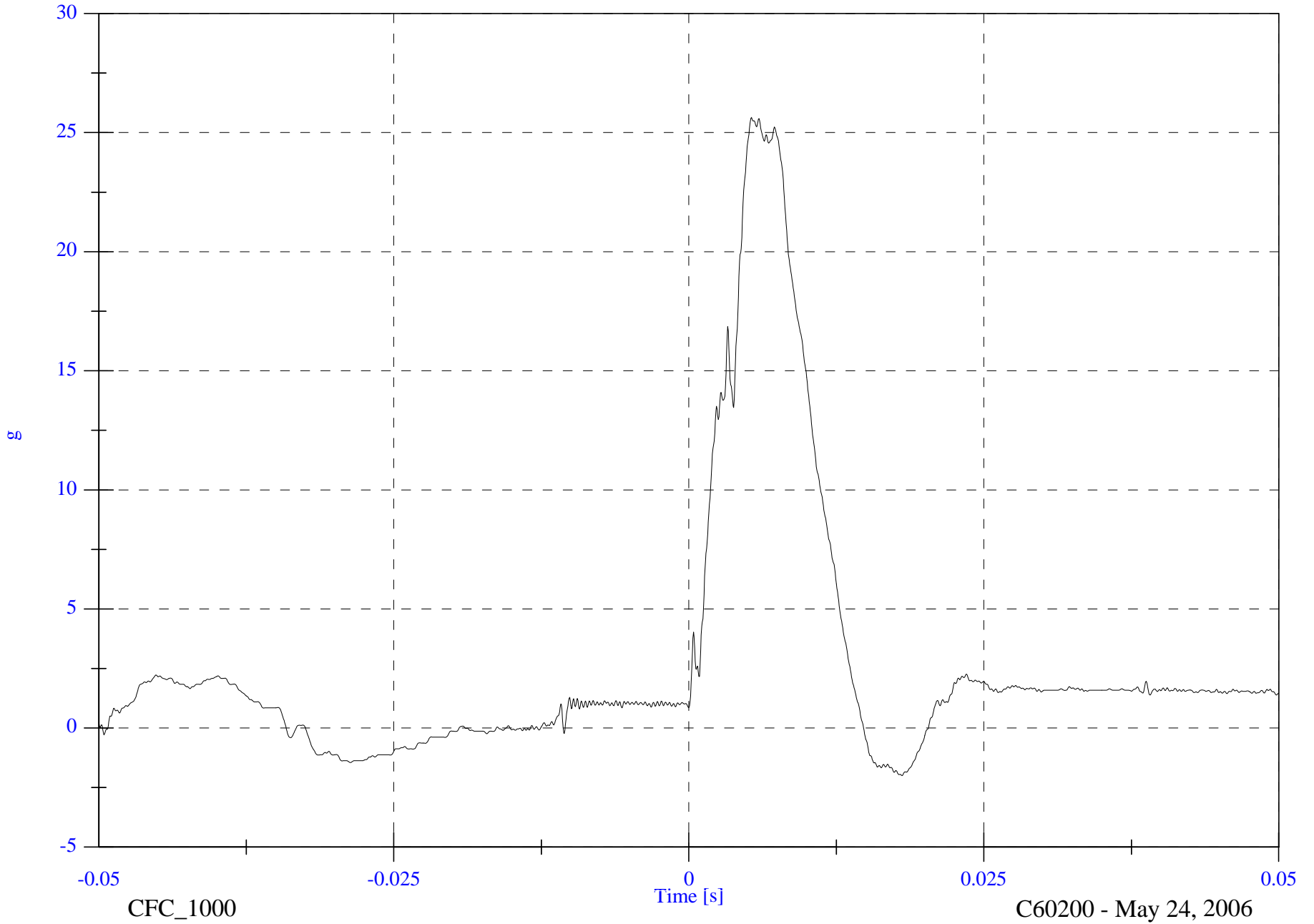
Headform Z Acceleration

Max: 25.6 [g] at 0.005 [s]

Min: -2.0 [g] at 0.018 [s]

C60200 PASSENGER SIDE RP1 IMPACT PLOT #3

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

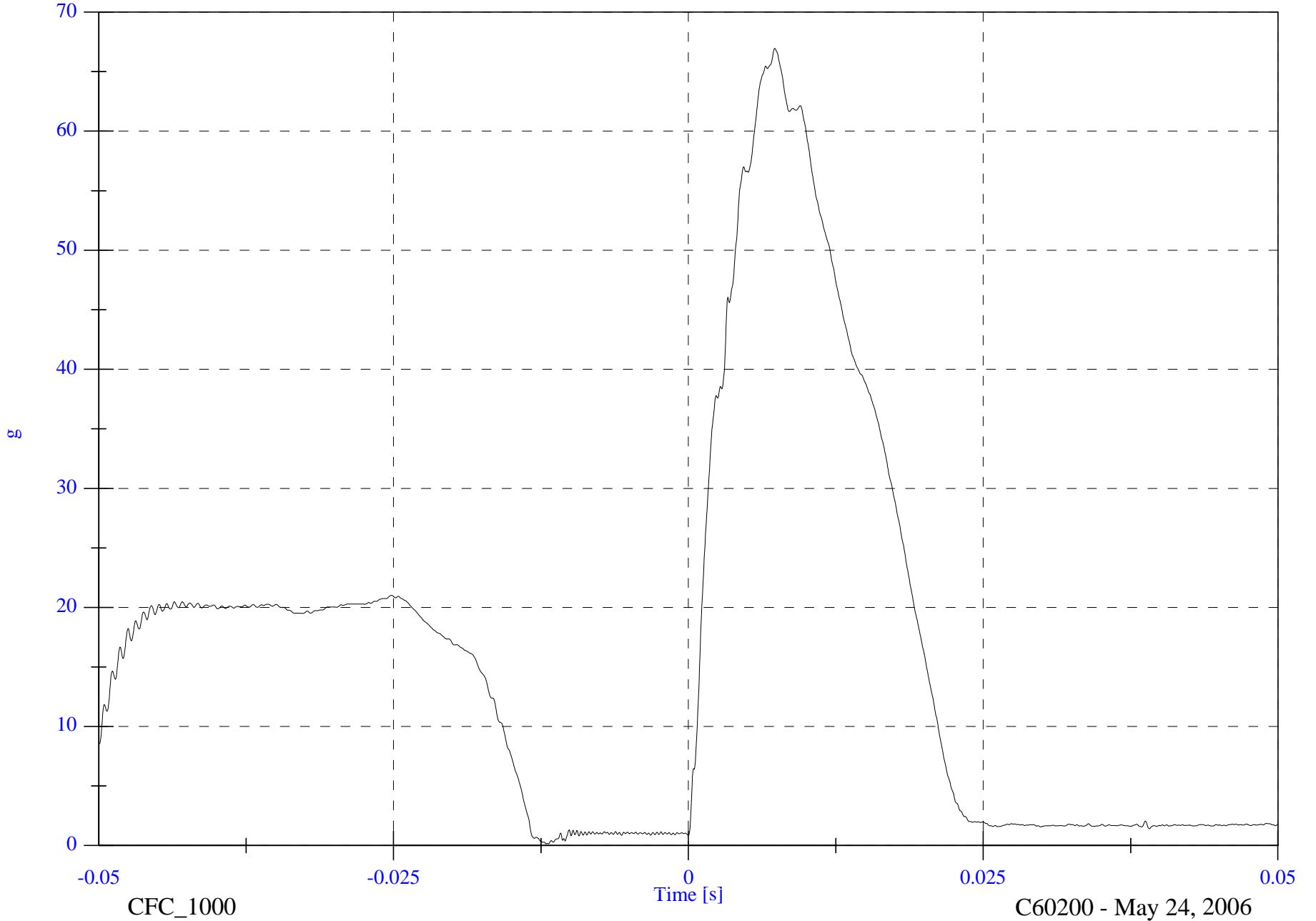
Headform Resultant

Max: 66.9 [g] at 0.007 [s]

Min: 0.1 [g] at -0.012 [s]

C60200 PASSENGER SIDE RP1 IMPACT PLOT #4

8754+FMH-15



CFC_1000

C60200 - May 24, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

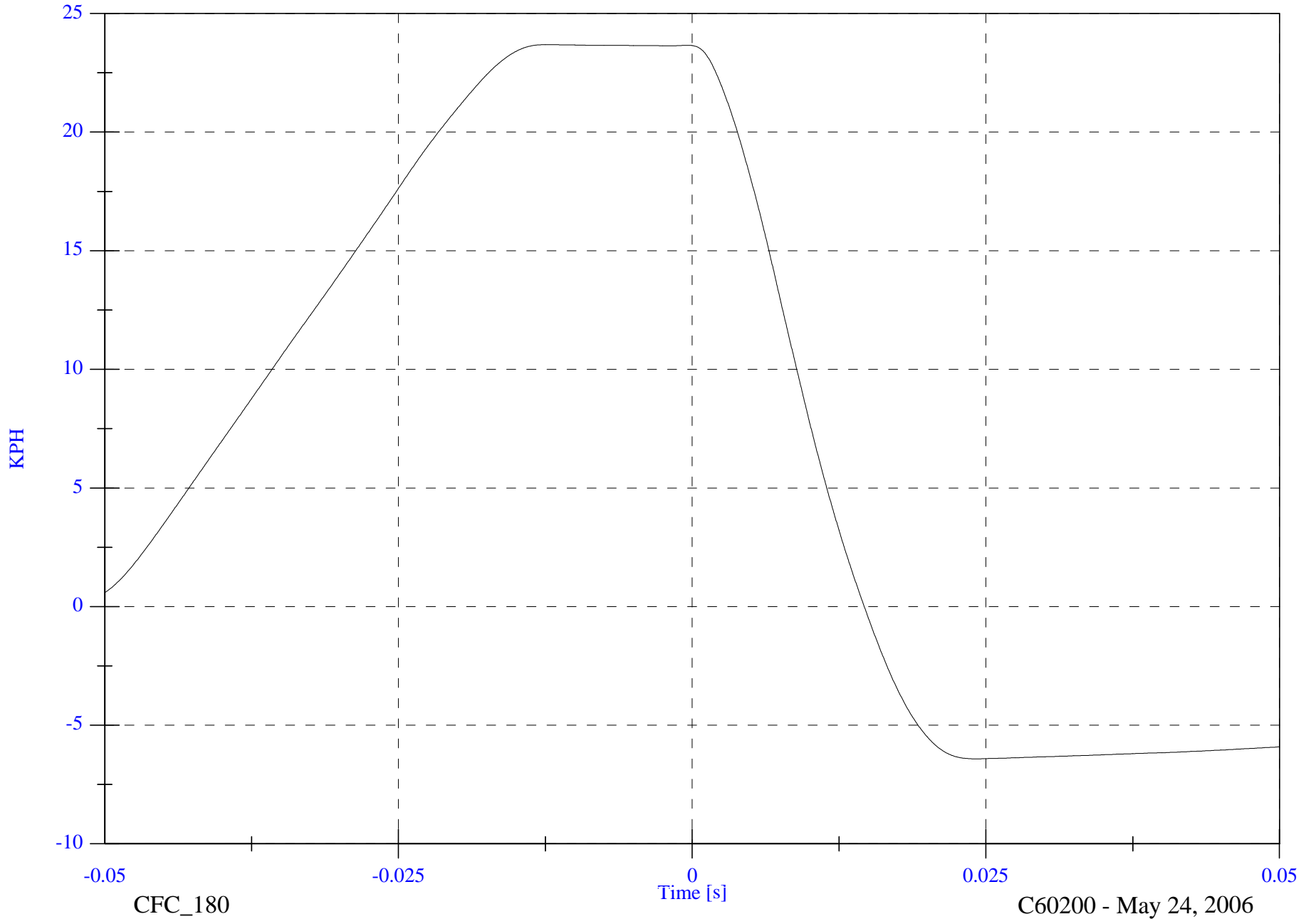
Max: 23.7 [KPH] at -0.012 [s]

Headform Velocity

Min: -6.4 [KPH] at 0.024 [s]

C60200 PASSENGER SIDE RP1 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 24, 2006



PRE-IMPACT RP1

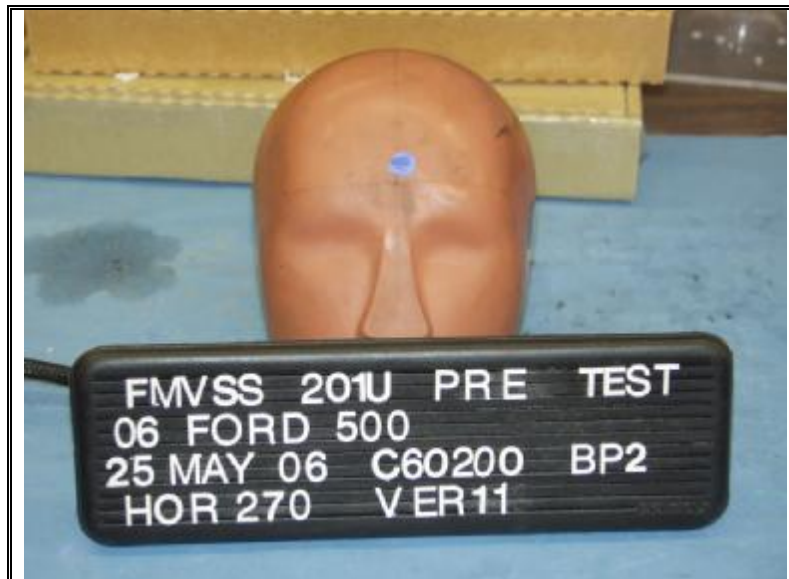


POST-IMPACT RP1

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	09
Test Date:	05/25/06
Target Location:	B-PILLAR
Target Code:	BP2
Horizontal Impact Angle:	270°
Vertical Impact Angle:	11°
Ambient Temperature:	21.3°C
Relative Humidity:	39.3
Time of Impact:	9:15
Headform Number:	0062

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	2	mm right	x mm left
On Centerline	9	mm up	



POST-IMPACT BP2 HEADFORM

Free Motion HIC	878.1
HIC(d)	828.9
Impact Velocity (kph)	23.64
HIC T1 (msec)	2.8
HIC T2 (msec)	9.2

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - BP2

FMH Headform 0062

Location: BP2

Test Date: May 25, 2006

Work File: BP2

-----TEST RESULTS-----

Lab Temperature: 21.3 C

HICd: 828.9

Lab Humidity: 39.3 %

HIC (36ms): 878.1

Velocity at Impact: 23.64 KPH

t1: 2.8 msec

t2: 9.2 msec

Free Flight Distance: 218.98 mm

Duration: 6.4 msec

Maximum: 140.8 g

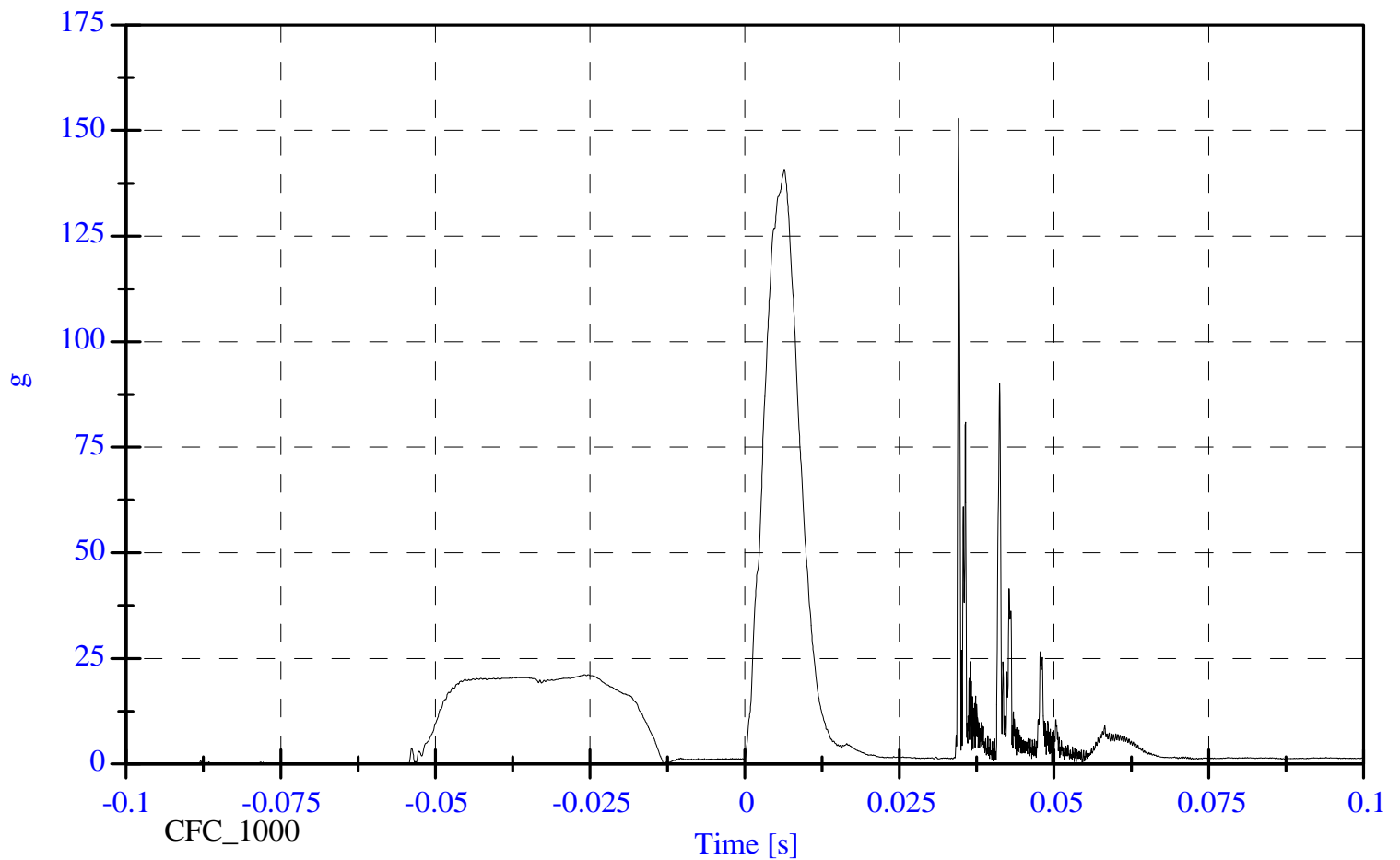
Average Acceleration: 10.2 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 140.8 [g] at 0.006 [s]

Headform Resultant

Min: 0.0 [g] at -0.091 [s]



FMVSS 201U IMPACT TEST - 2006 FORD 500

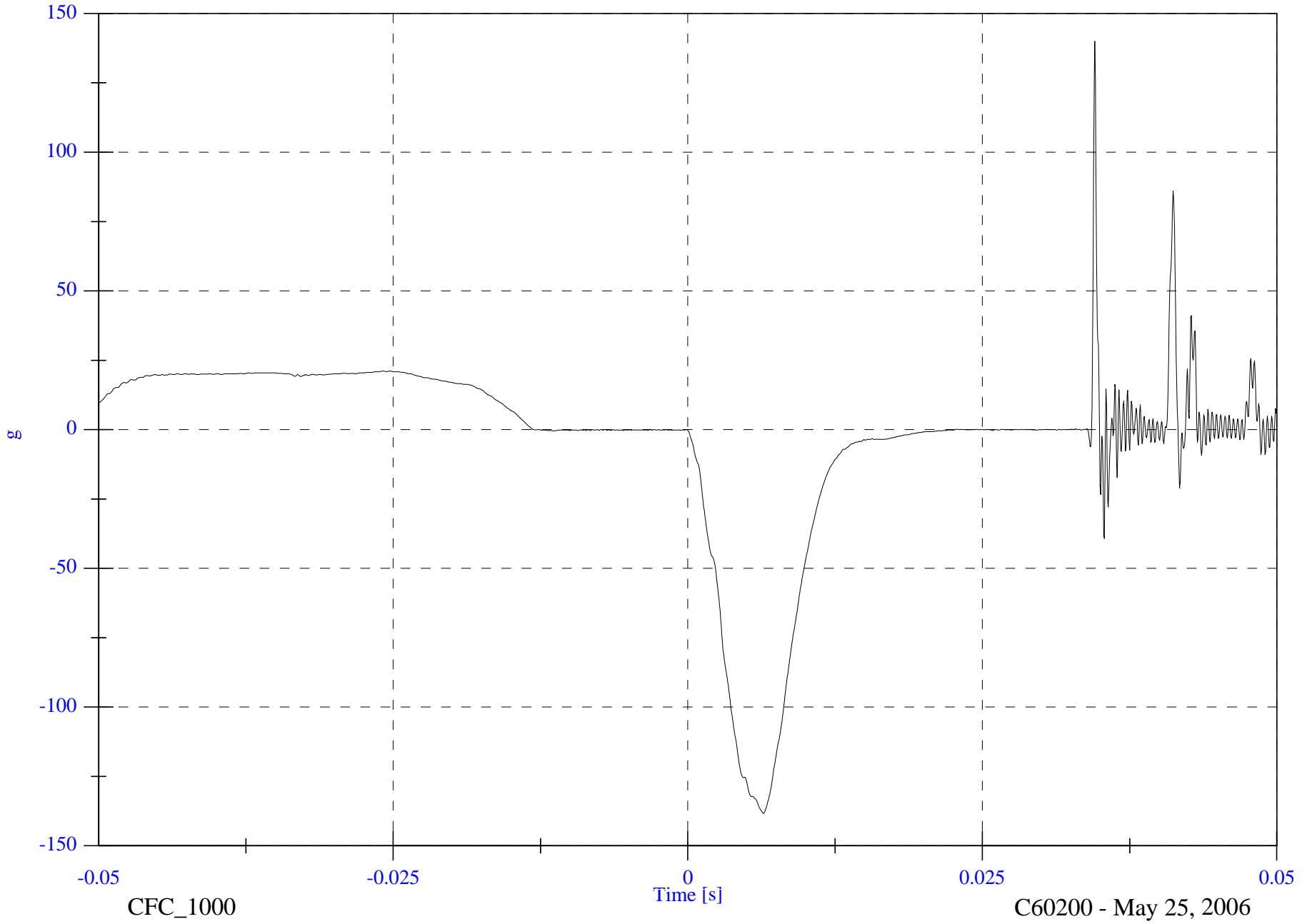
Headform X Acceleration

Max: 140.0 [g] at 0.035 [s]

Min: -138.4 [g] at 0.006 [s]

C60200 DRIVER SIDE BP2 IMPACT PLOT #1

8754+FMH-15



CFC_1000

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

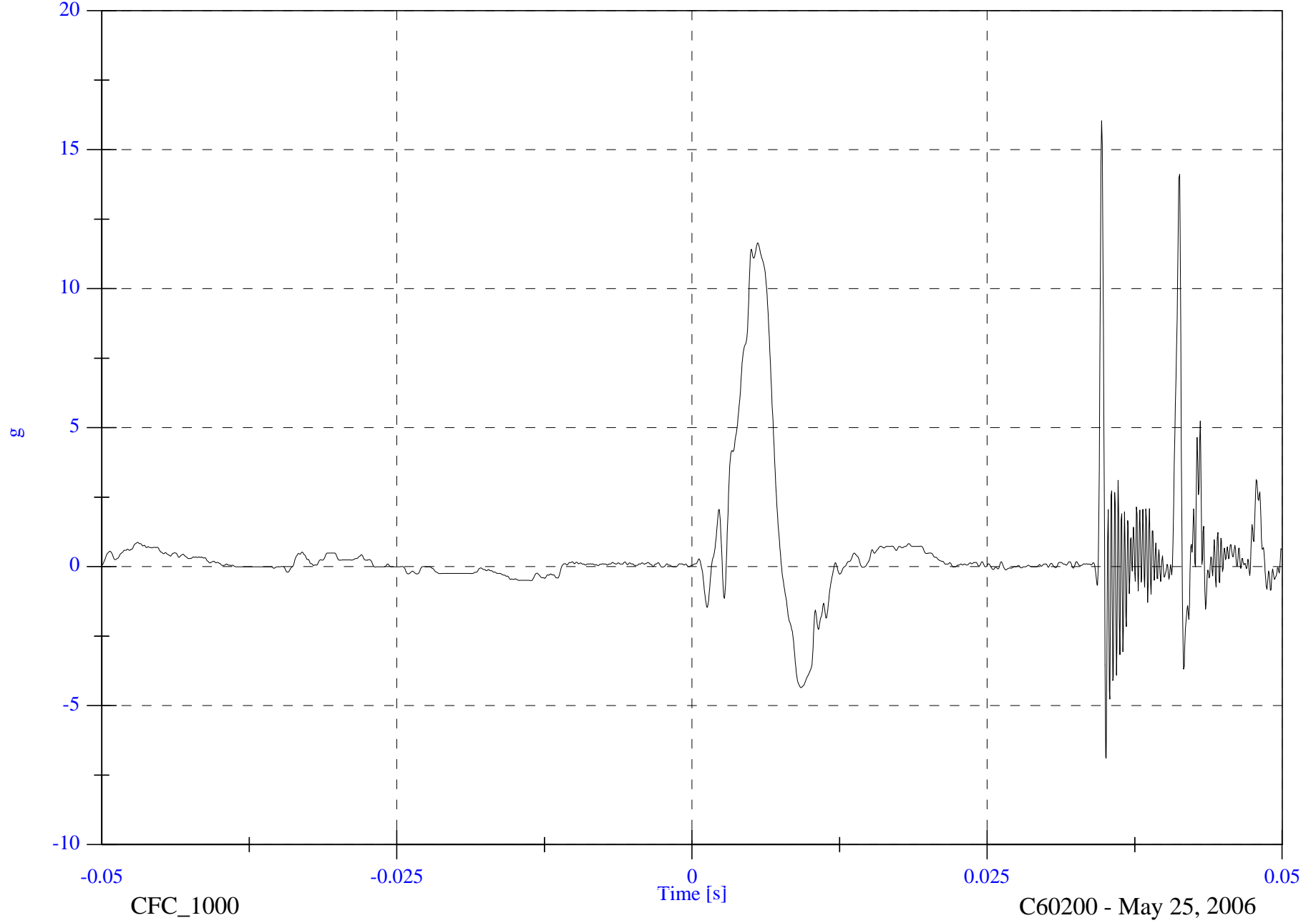
Headform Y Acceleration

Max: 16.0 [g] at 0.035 [s]

Min: -6.9 [g] at 0.035 [s]

C60200 DRIVER SIDE BP2 IMPACT PLOT #2

8754+FMH-15



FMVSS 201U IMPACT TEST - 2006 FORD 500

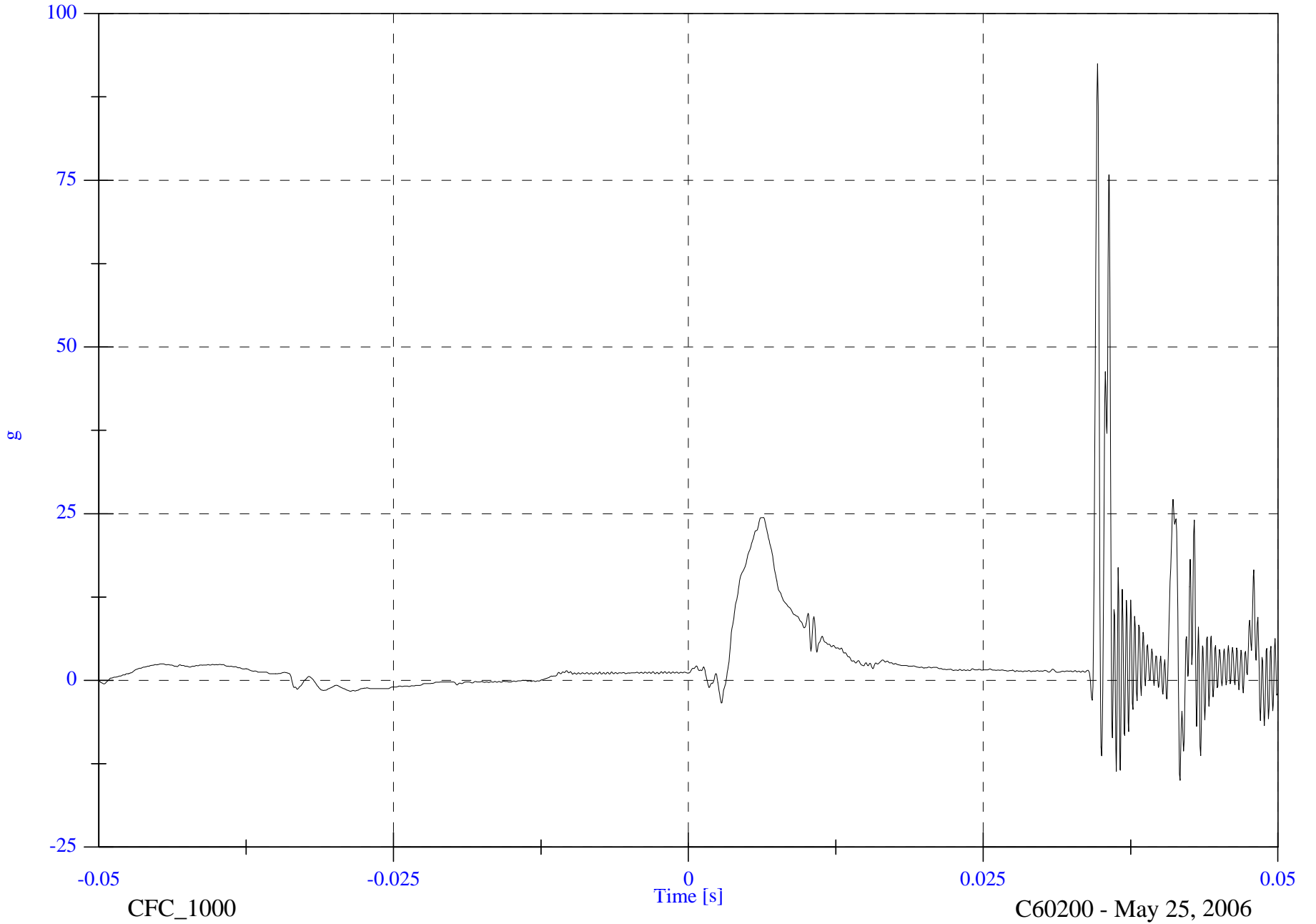
Headform Z Acceleration

Max: 92.5 [g] at 0.035 [s]

Min: -15.0 [g] at 0.042 [s]

C60200 DRIVER SIDE BP2 IMPACT PLOT #3

8754+FMH-15



CFC_1000

Time [s]

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

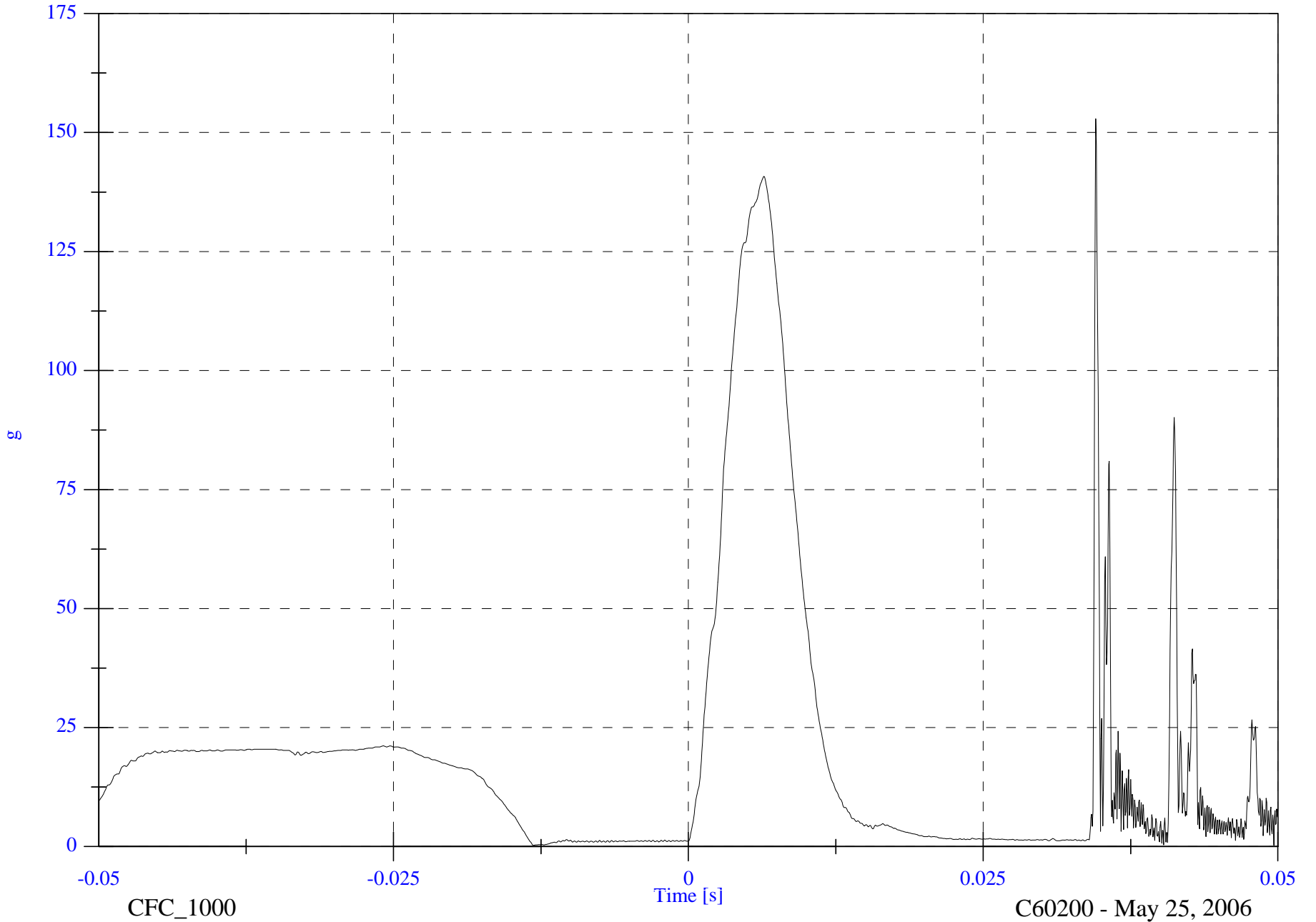
Headform Resultant

Max: 152.9 [g] at 0.035 [s]

Min: 0.2 [g] at -0.013 [s]

C60200 DRIVER SIDE BP2 IMPACT PLOT #4

8754+FMH-15



CFC_1000

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

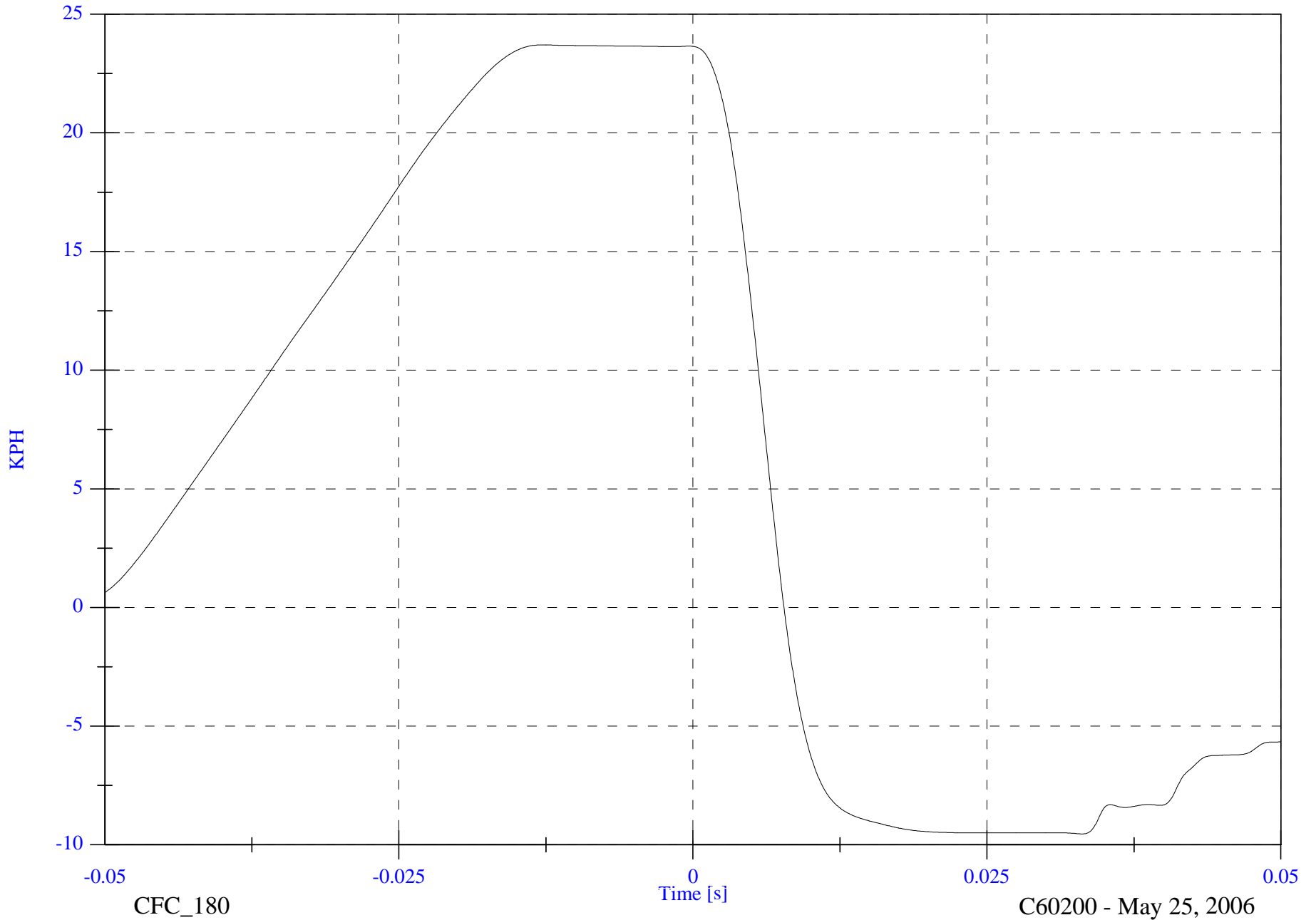
Max: 23.7 [KPH] at -0.013 [s]

Headform Velocity

Min: -9.5 [KPH] at 0.033 [s]

C60200 DRIVER SIDE BP2 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 25, 2006



PRE-IMPACT BP2



POST-IMPACT BP2

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	10
Test Date:	05/25/06
Target Location:	B-PILLAR
Target Code:	BP1
Horizontal Impact Angle:	270°
Vertical Impact Angle:	14°
Ambient Temperature:	21.1°C
Relative Humidity:	39.2
Time of Impact:	9:50
Headform Number:	0355

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	5	mm right	x mm left
On Centerline	49	mm up	



POST-IMPACT BP1 HEADFORM

Free Motion HIC	594.4
HIC(d)	614.9
Impact Velocity (kph)	23.44
HIC T1 (msec)	4.0
HIC T2 (msec)	12.0

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - BP1

FMH Headform 0355

Location: BP1

Test Date: May 25, 2006

Work File: BP1

-----TEST RESULTS-----

Lab Temperature: 21.1 C

HICd: 614.9

Lab Humidity: 39.2 %

HIC (36ms): 594.4

Velocity at Impact: 23.44 KPH

t1: 4.0 msec

t2: 12.0 msec

Free Flight Distance: 219.61 mm

Duration: 8.0 msec

Maximum: 114.1 g

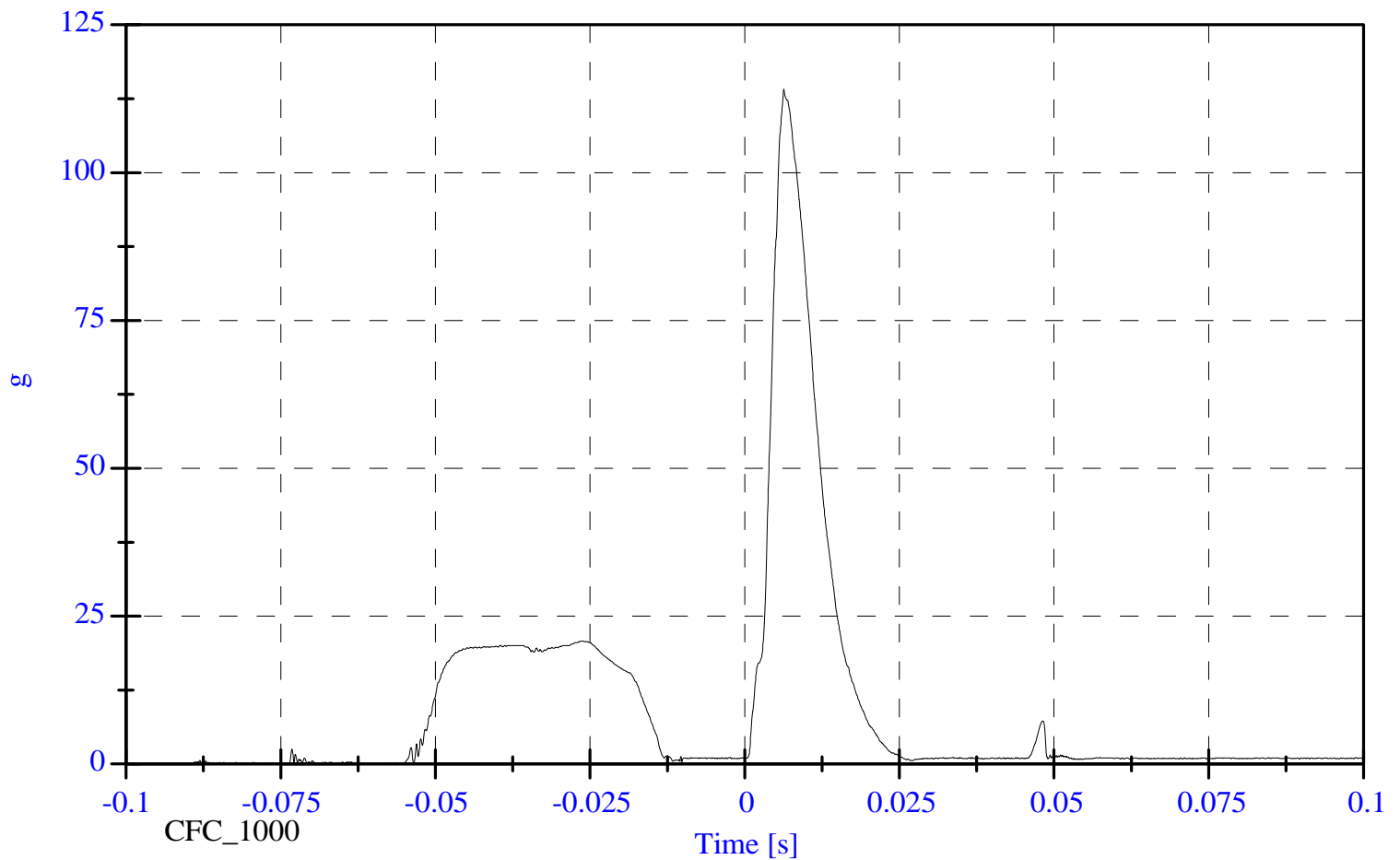
Average Acceleration: 8.8 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 114.1 [g] at 0.006 [s]

Headform Resultant

Min: 0.0 [g] at -0.096 [s]

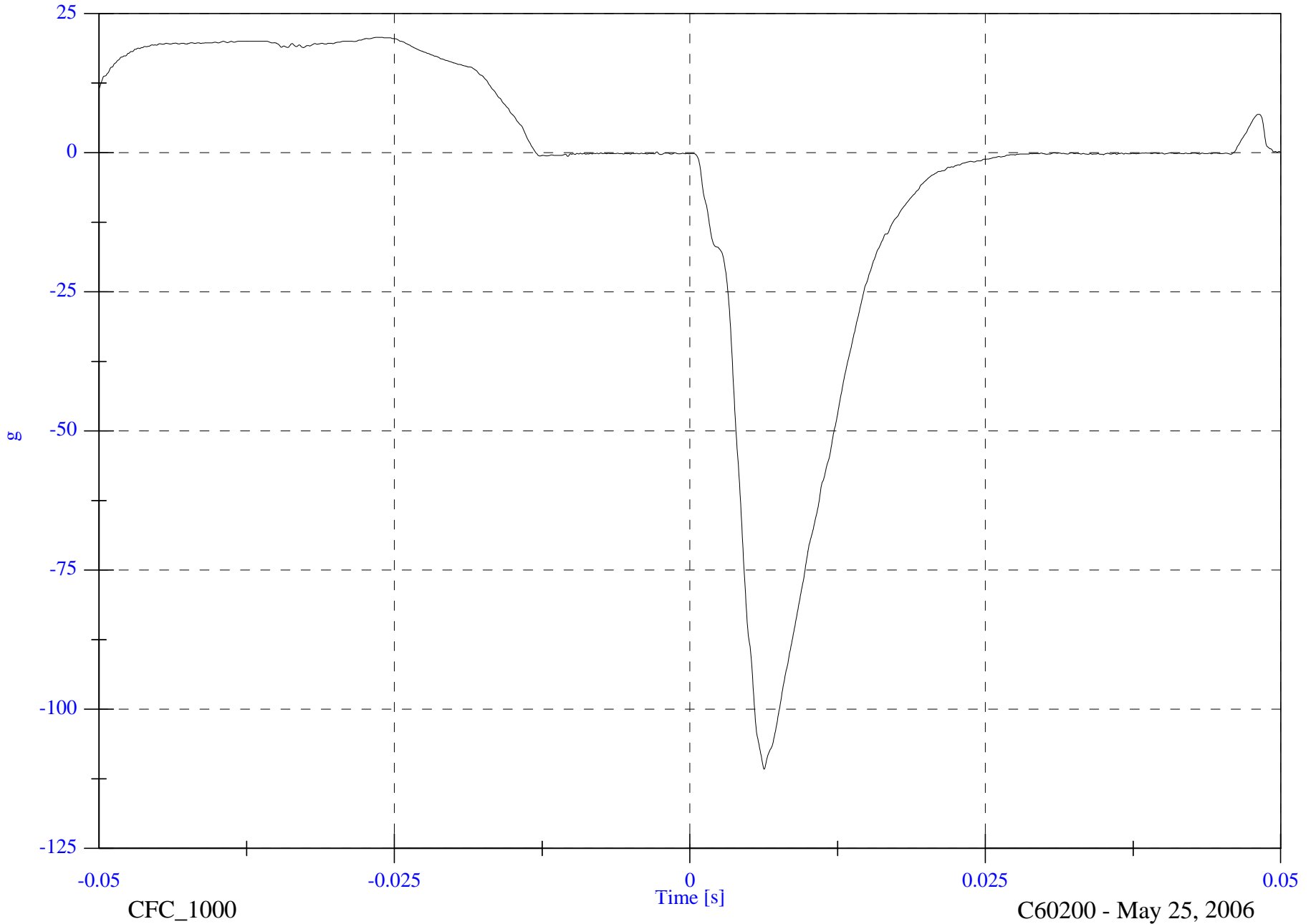


FMVSS 201U IMPACT TEST - 2006 FORD 500

Headform X Acceleration

Max: 20.7 [g] at -0.026 [s]

Min: -110.8 [g] at 0.006 [s]



C60200 DRIVER SIDE BP1 IMPACT PLOT #1

8754+FMH-15

CFC_1000

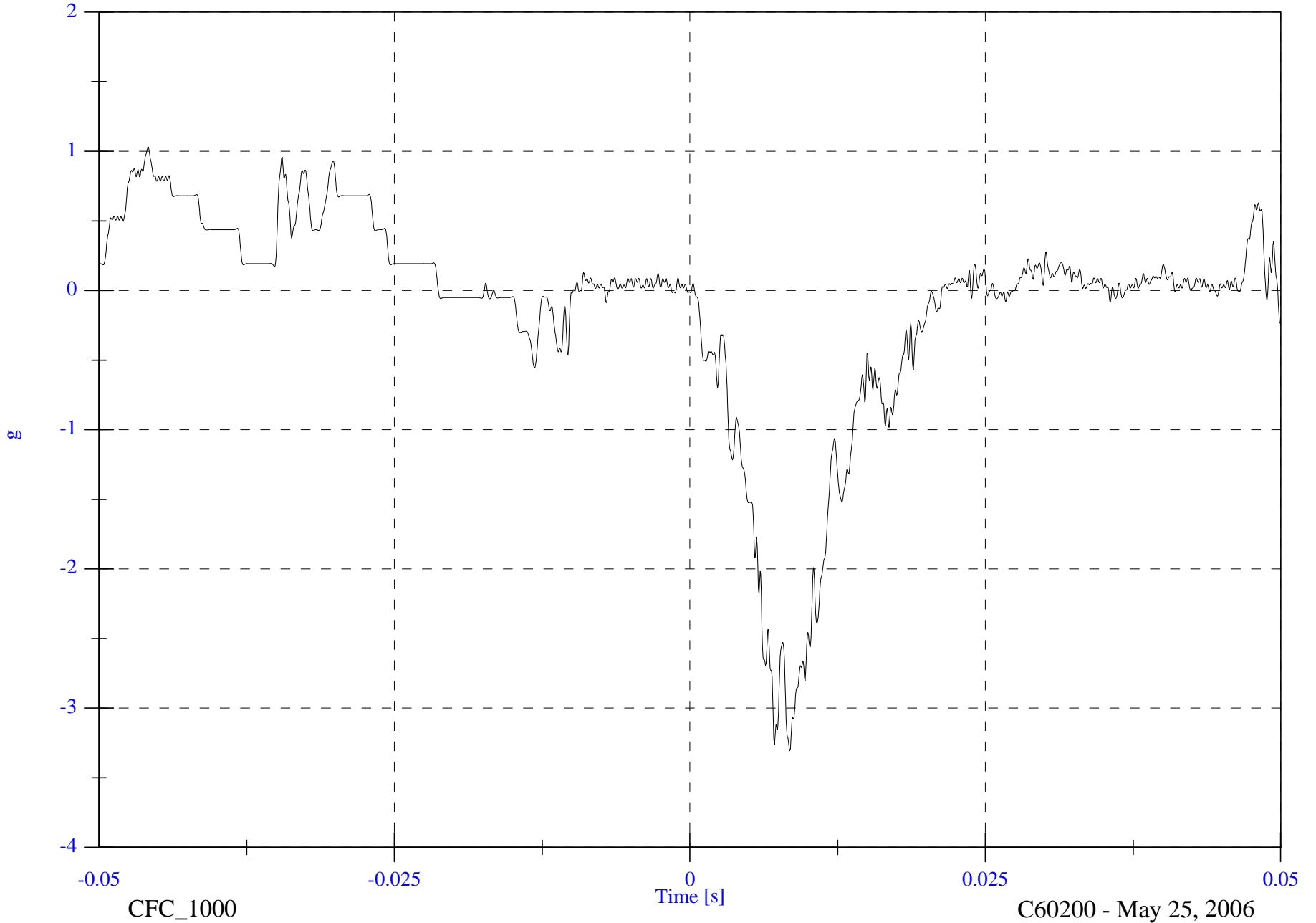
C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

Headform Y Acceleration

Max: 1.0 [g] at -0.046 [s]

Min: -3.3 [g] at 0.008 [s]



C60200 DRIVER SIDE BP1 IMPACT PLOT #2

8754+FMH-15

CFC_1000

Time [s]

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

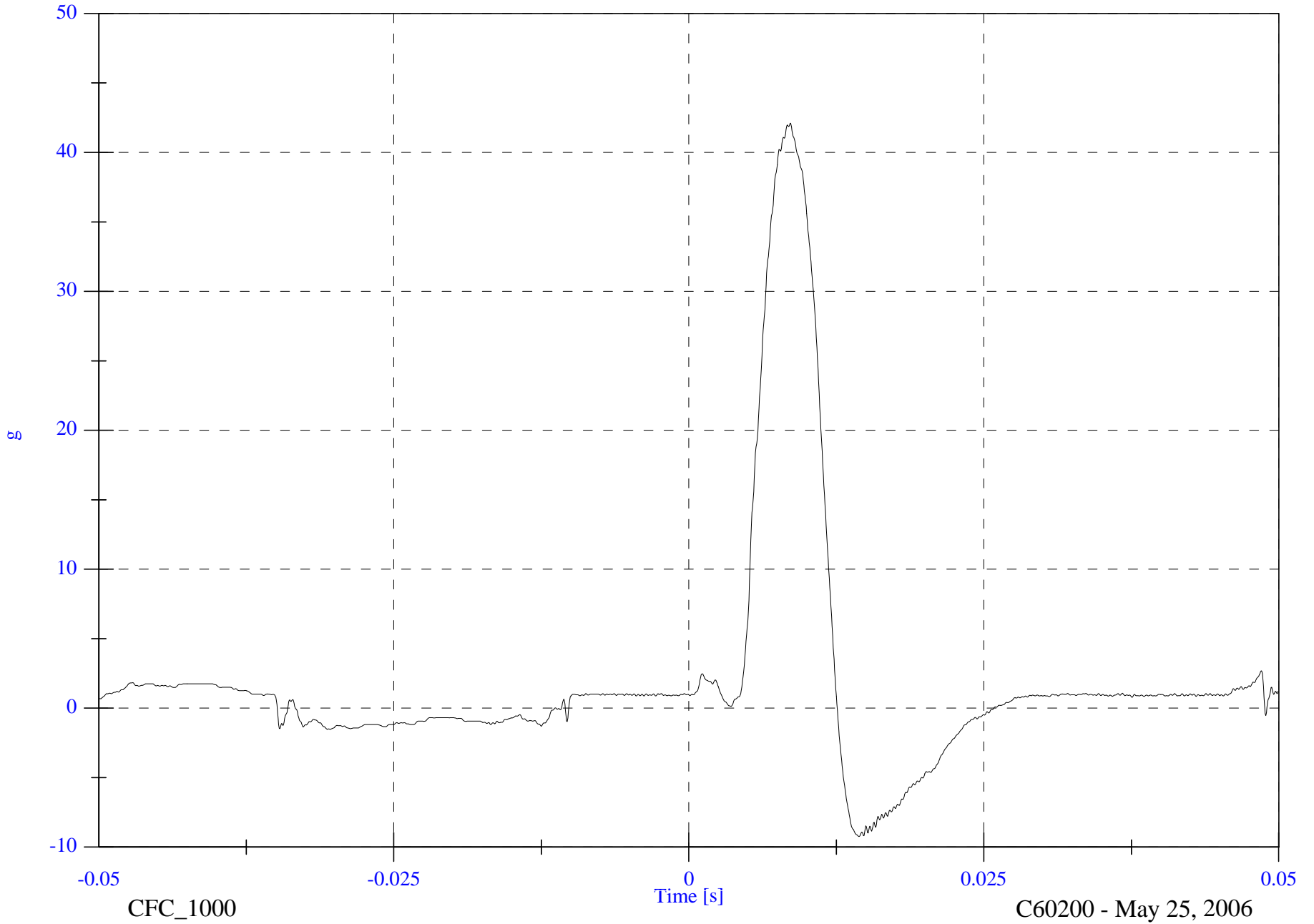
Headform Z Acceleration

Max: 42.1 [g] at 0.009 [s]

Min: -9.2 [g] at 0.014 [s]

C60200 DRIVER SIDE BP1 IMPACT PLOT #3

8754+FMH-15



CFC_1000

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

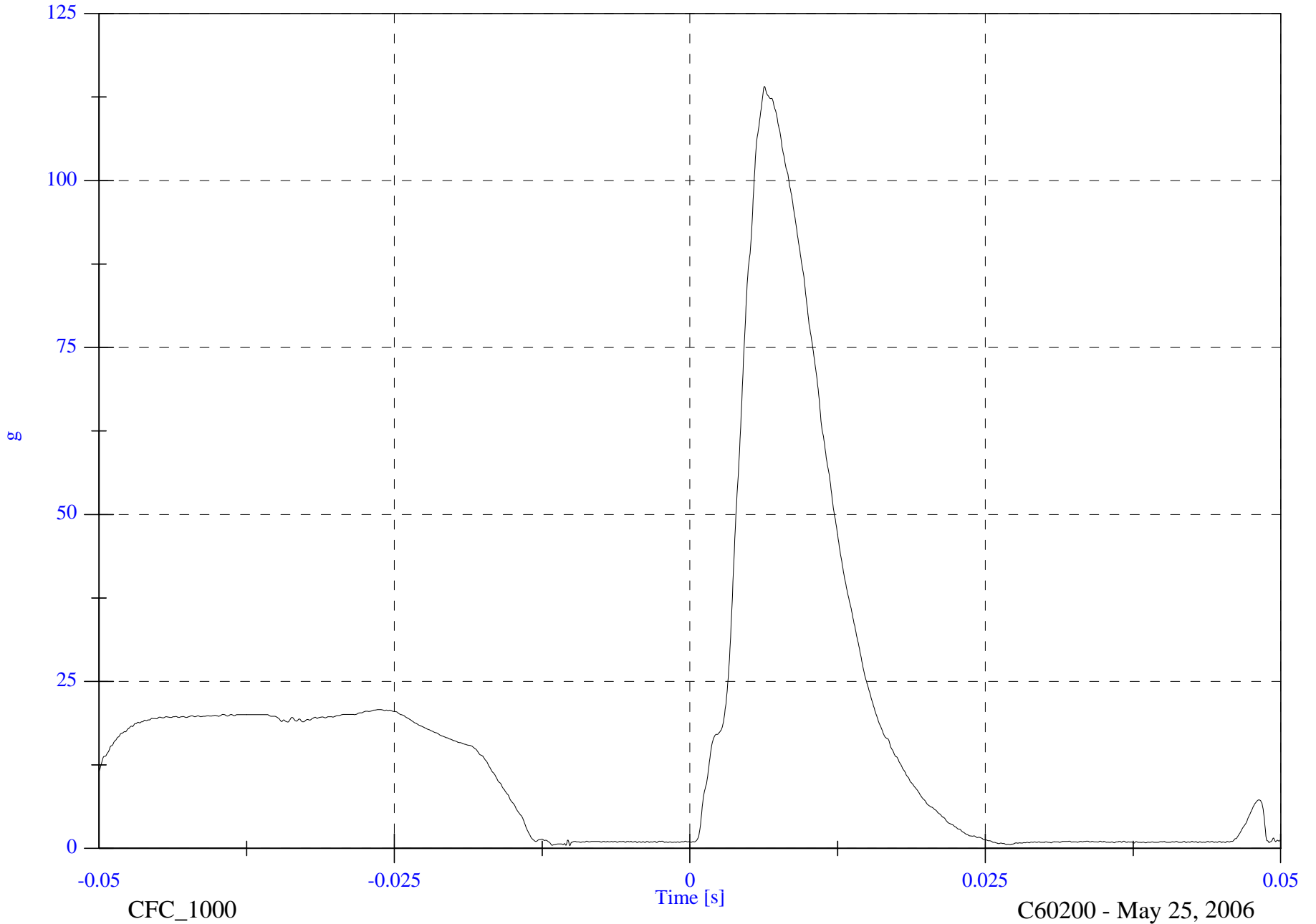
Headform Resultant

Max: 114.1 [g] at 0.006 [s]

Min: 0.4 [g] at -0.010 [s]

C60200 DRIVER SIDE BP1 IMPACT PLOT #4

8754-FMH-15



CFC_1000

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

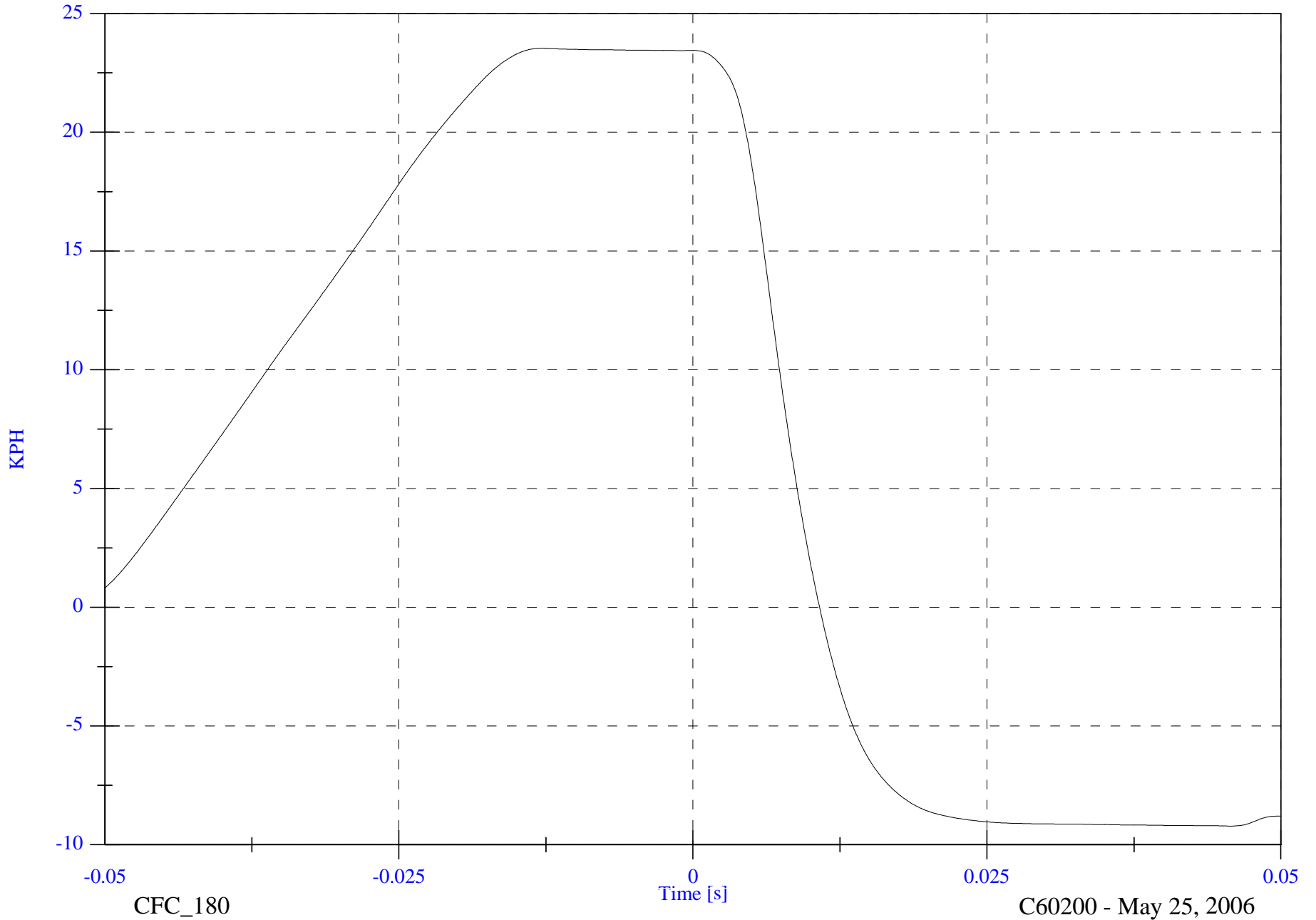
Max: 23.5 [KPH] at -0.013 [s]

Headform Velocity

Min: -9.2 [KPH] at 0.046 [s]

C60200 DRIVER SIDE BP1 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 25, 2006



PRE-IMPACT BP1



POST-IMPACT BP1

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	11
Test Date:	05/25/06
Target Location:	A-PILLAR
Target Code:	AP2
Horizontal Impact Angle:	218°
Vertical Impact Angle:	45°
Ambient Temperature:	21.2°C
Relative Humidity:	39.1
Time of Impact:	10:50
Headform Number:	0642

Impact Point Description (from lower midpoint on midsagittal line)					
On Centerline	5	<input checked="" type="checkbox"/>	mm right	<input type="checkbox"/>	mm left
On Centerline	26				mm up



POST-IMPACT AP2 HEADFORM

Free Motion HIC	1075.2
HIC(d)	977.6
Impact Velocity (kph)	23.68
HIC T1 (msec)	7.1
HIC T2 (msec)	11.1

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - AP2

FMH Headform 0642

Location: AP2

Test Date: May 25, 2006

Work File: AP2

-----TEST RESULTS-----

Lab Temperature: 21.2 C

HICd: 977.6

Lab Humidity: 39.1 %

HIC (36ms): 1075.2

Velocity at Impact: 23.68 KPH

t1: 7.1 msec

t2: 11.1 msec

Free Flight Distance: 219.99 mm

Duration: 4.0 msec

Maximum: 185.1 g

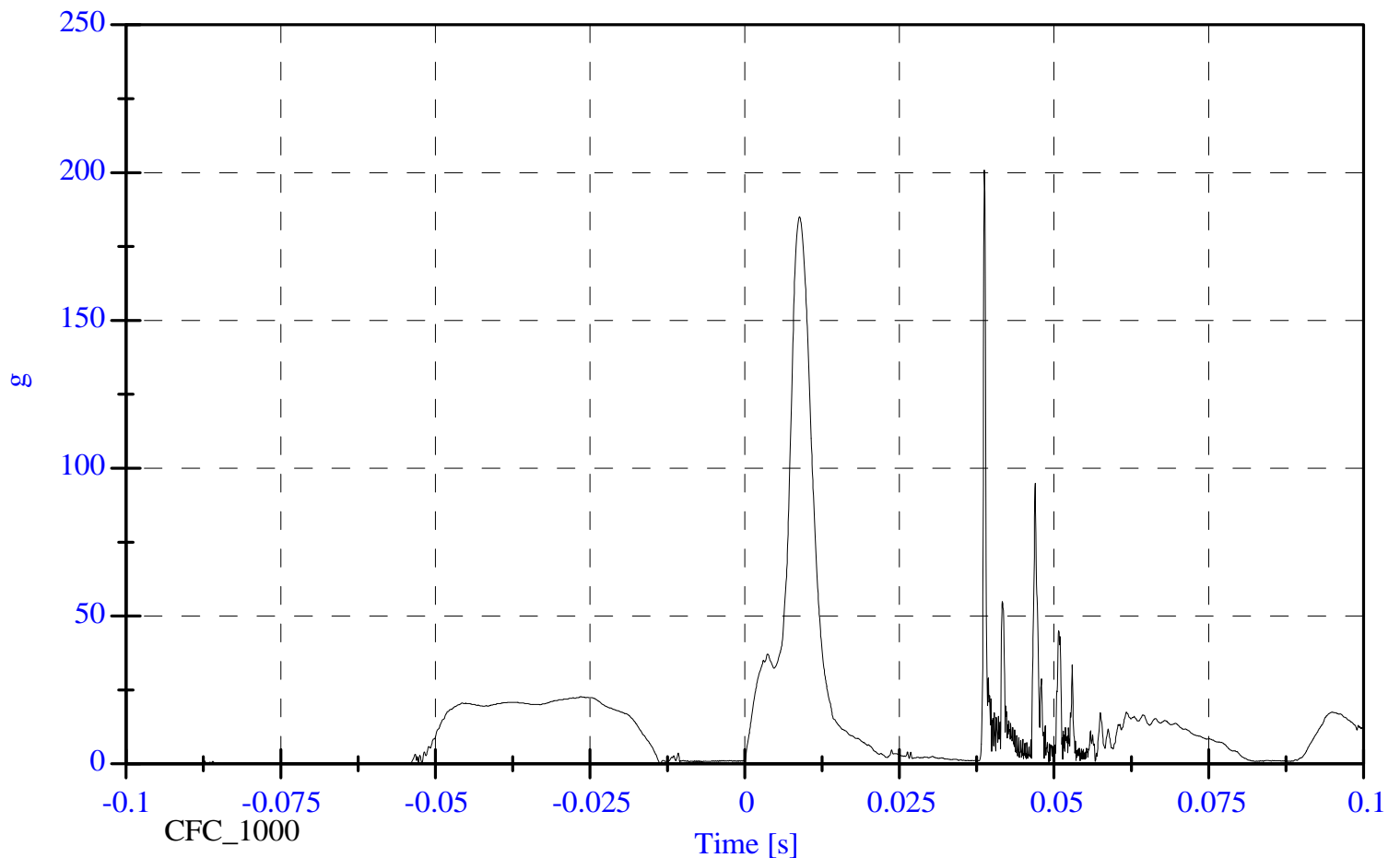
Average Acceleration: 12.5 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 185.1 [g] at 0.009 [s]

Headform Resultant

Min: 0.0 [g] at -0.097 [s]

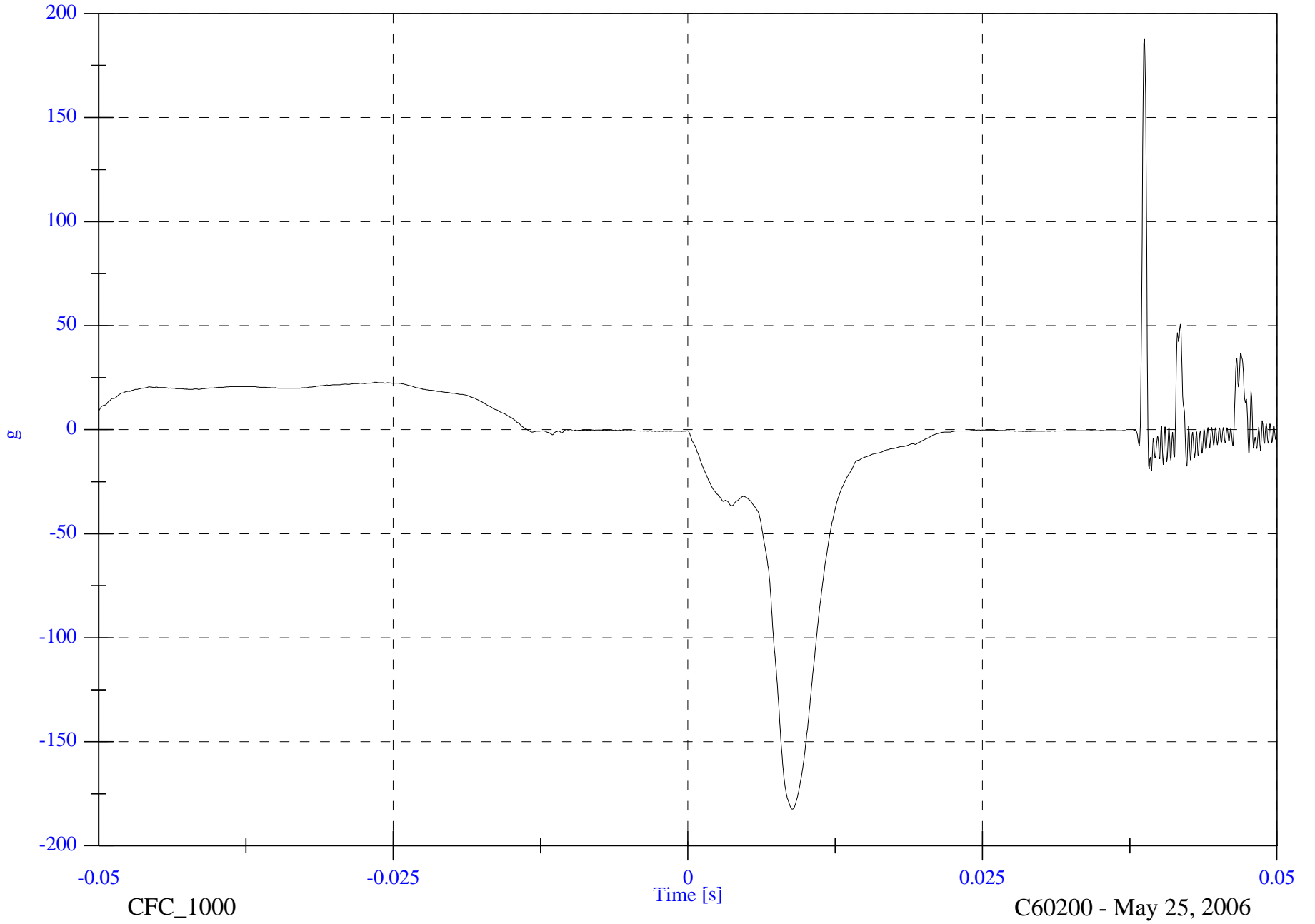


FMVSS 201U IMPACT TEST - 2006 FORD 500

Headform X Acceleration

Max: 187.9 [g] at 0.039 [s]

Min: -182.4 [g] at 0.009 [s]



C60200 DRIVER SIDE AP2 IMPACT PLOT #1

8754+FMH-15

CFC_1000

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

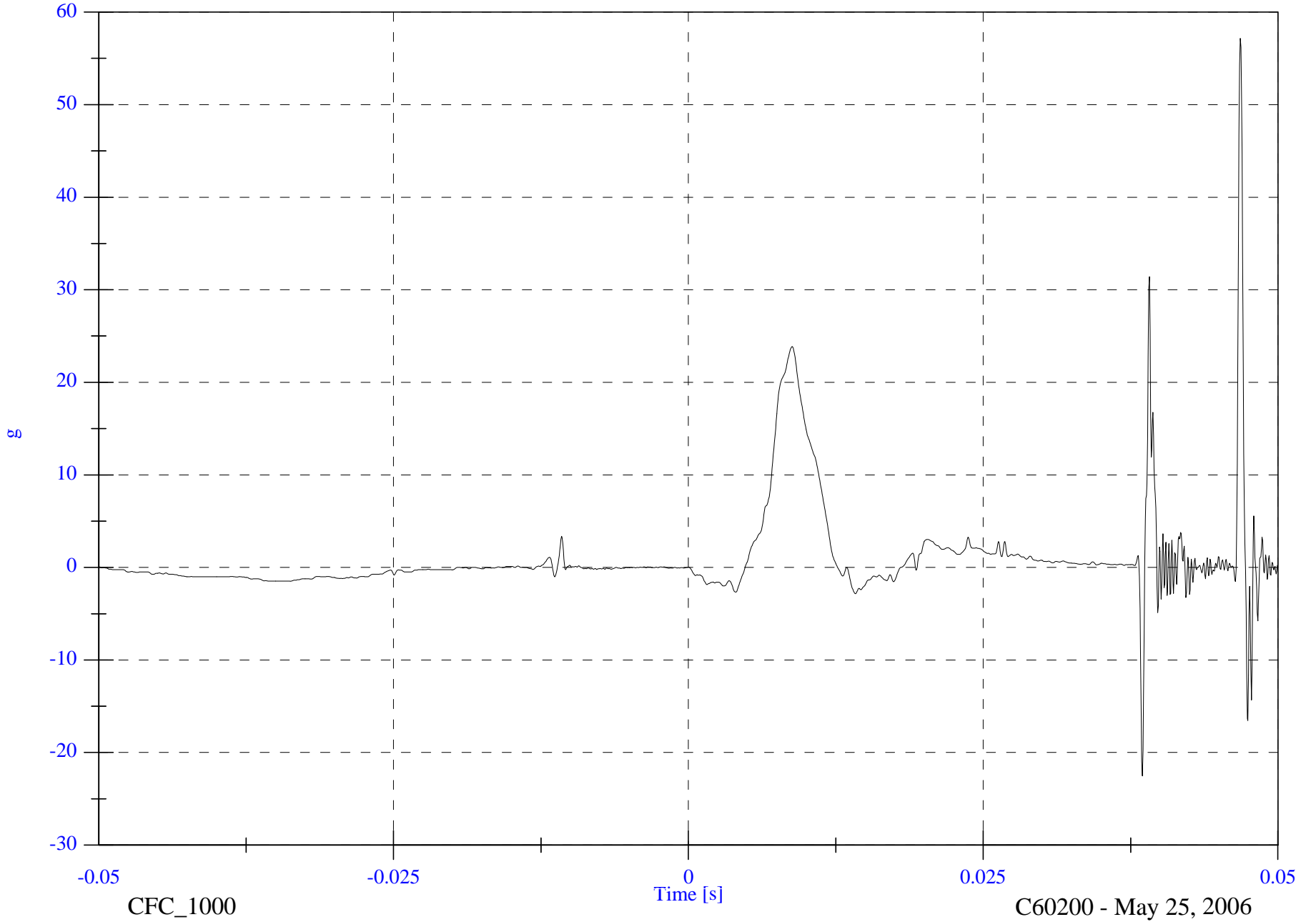
Headform Y Acceleration

Max: 57.2 [g] at 0.047 [s]

Min: -22.5 [g] at 0.038 [s]

C60200 DRIVER SIDE AP2 IMPACT PLOT #2

8754+FMH-15

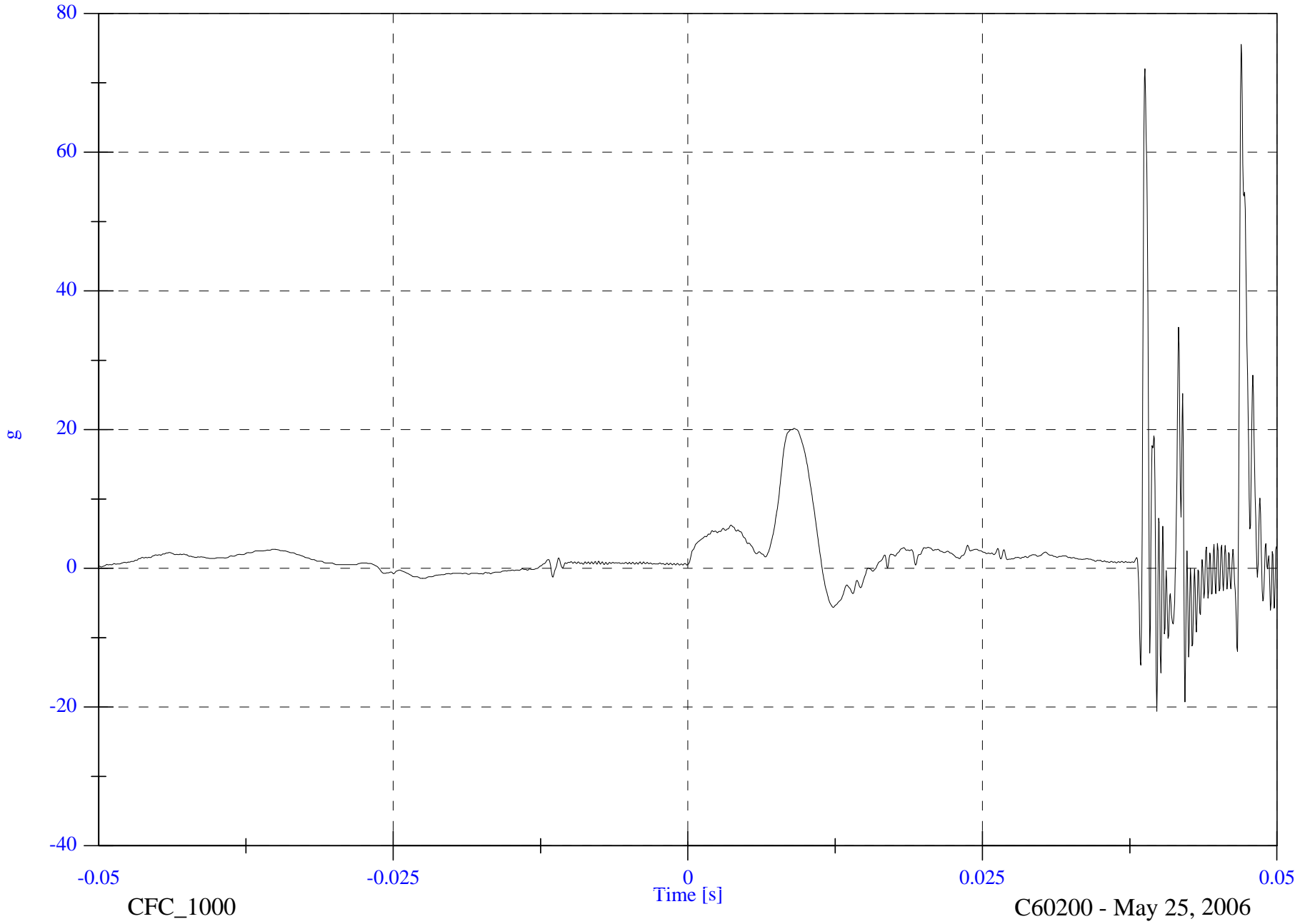


FMVSS 201U IMPACT TEST - 2006 FORD 500

Headform Z Acceleration

Max: 75.6 [g] at 0.047 [s]

Min: -20.6 [g] at 0.040 [s]



C60200 DRIVER SIDE AP2 IMPACT PLOT #3

8754+FMH-15

CFC_1000

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

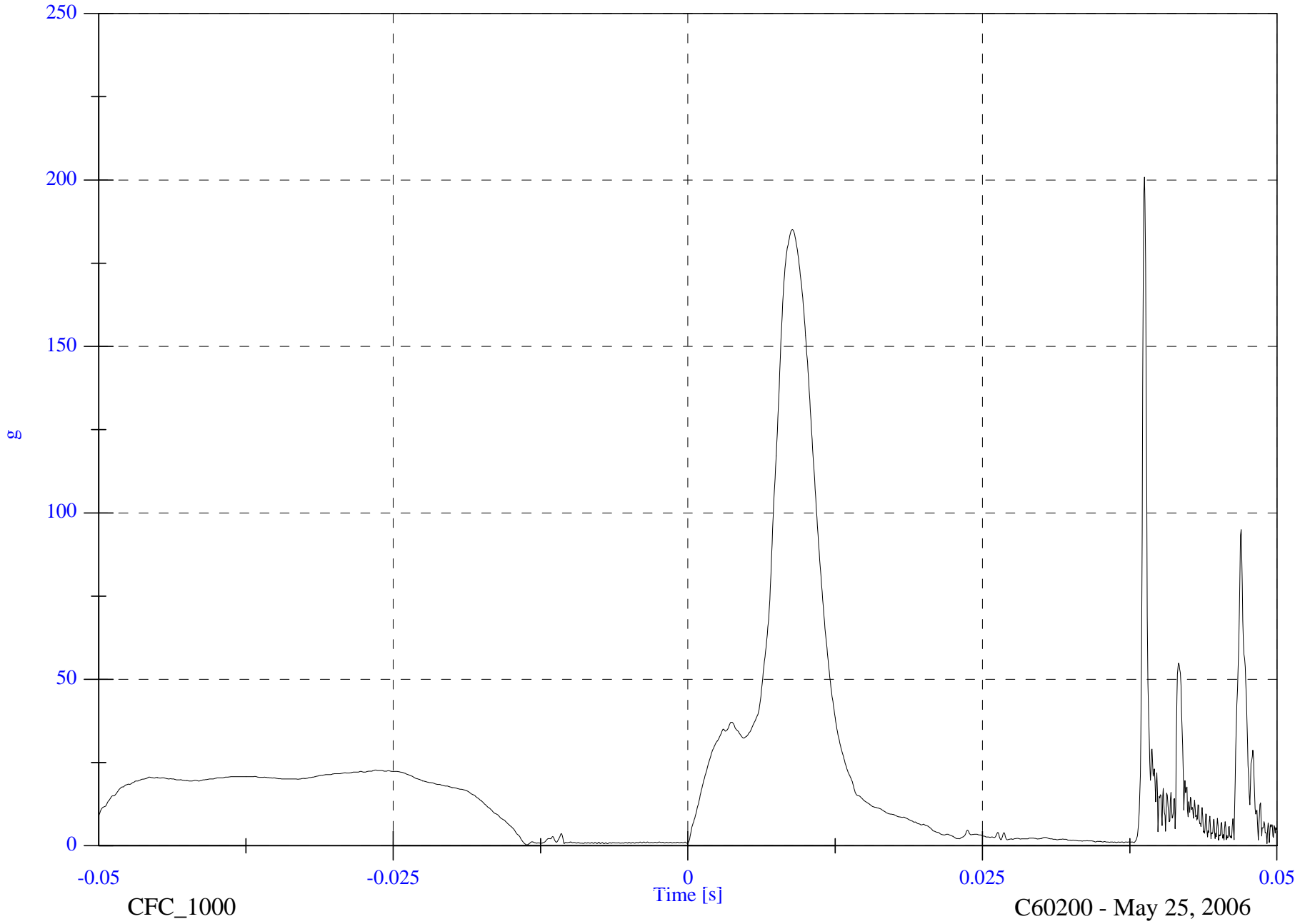
Headform Resultant

Max: 200.9 [g] at 0.039 [s]

Min: 0.3 [g] at -0.014 [s]

C60200 DRIVER SIDE AP2 IMPACT PLOT #4

8754+FMH-15



CFC_1000

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

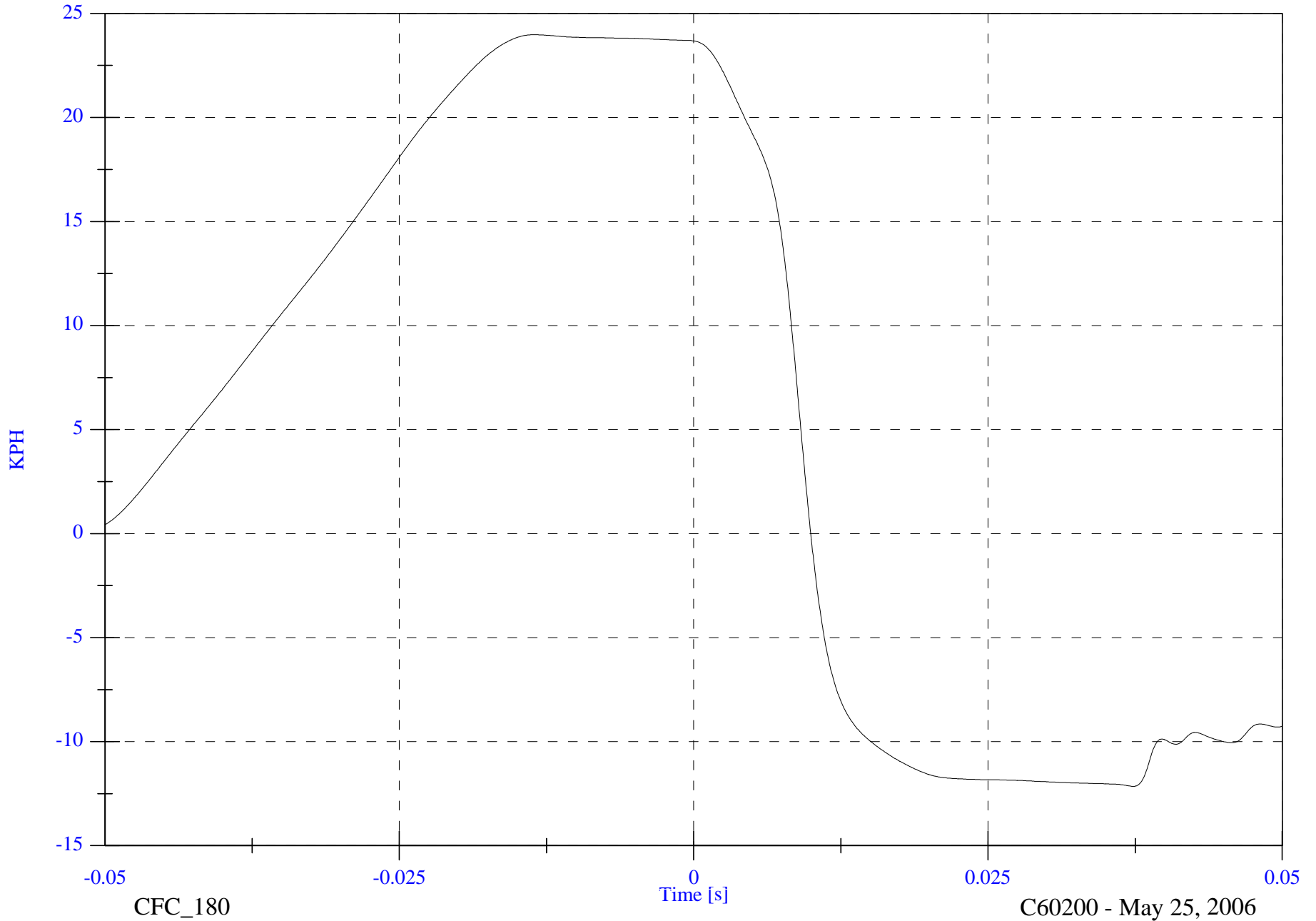
Headform Velocity

Max: 24.0 [KPH] at -0.014 [s]

Min: -12.1 [KPH] at 0.037 [s]

C60200 DRIVER SIDE AP2 IMPACT PLOT #5

8754+FMH-15



CFC_180

C60200 - May 25, 2006



PRE-IMPACT AP2



POST-IMPACT AP2

VEHICLE YEAR/MAKE/MODEL/STYLE:	2006 Ford 500 SE
VIN:	1FAFP23106G104130
DATE OF MANUFACTURE:	07/05 (SEE CERTIFICATION LABEL)
COLOR:	Red

Test Number:	12
Test Date:	05/25/06
Target Location:	SIDE RAIL
Target Code:	SR2A
Horizontal Impact Angle:	270°
Vertical Impact Angle:	21°
Ambient Temperature:	21.5°C
Relative Humidity:	39
Time of Impact:	11:20
Headform Number:	0805

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	9	mm right	x mm left
On Centerline	26	mm up	



POST-IMPACT SR2A HEADFORM

Free Motion HIC	426.7
HIC(d)	488.3
Impact Velocity (kph)	23.47
HIC T1 (msec)	1.5
HIC T2 (msec)	10.6

FMVSS 201U IMPACT TEST - 2006 FORD 500 C60200 - SR2A

FMH Headform 0805

Location: SR2A

Test Date: May 25, 2006

Work File: SR2A

-----TEST RESULTS-----

Lab Temperature: 21.5 C

HICd: 488.3

Lab Humidity: 39.0 %

HIC (36ms): 426.7

Velocity at Impact: 23.47 KPH

t1: 1.5 msec

t2: 10.6 msec

Free Flight Distance: 222.41 mm

Duration: 9.1 msec

Maximum: 95.8 g

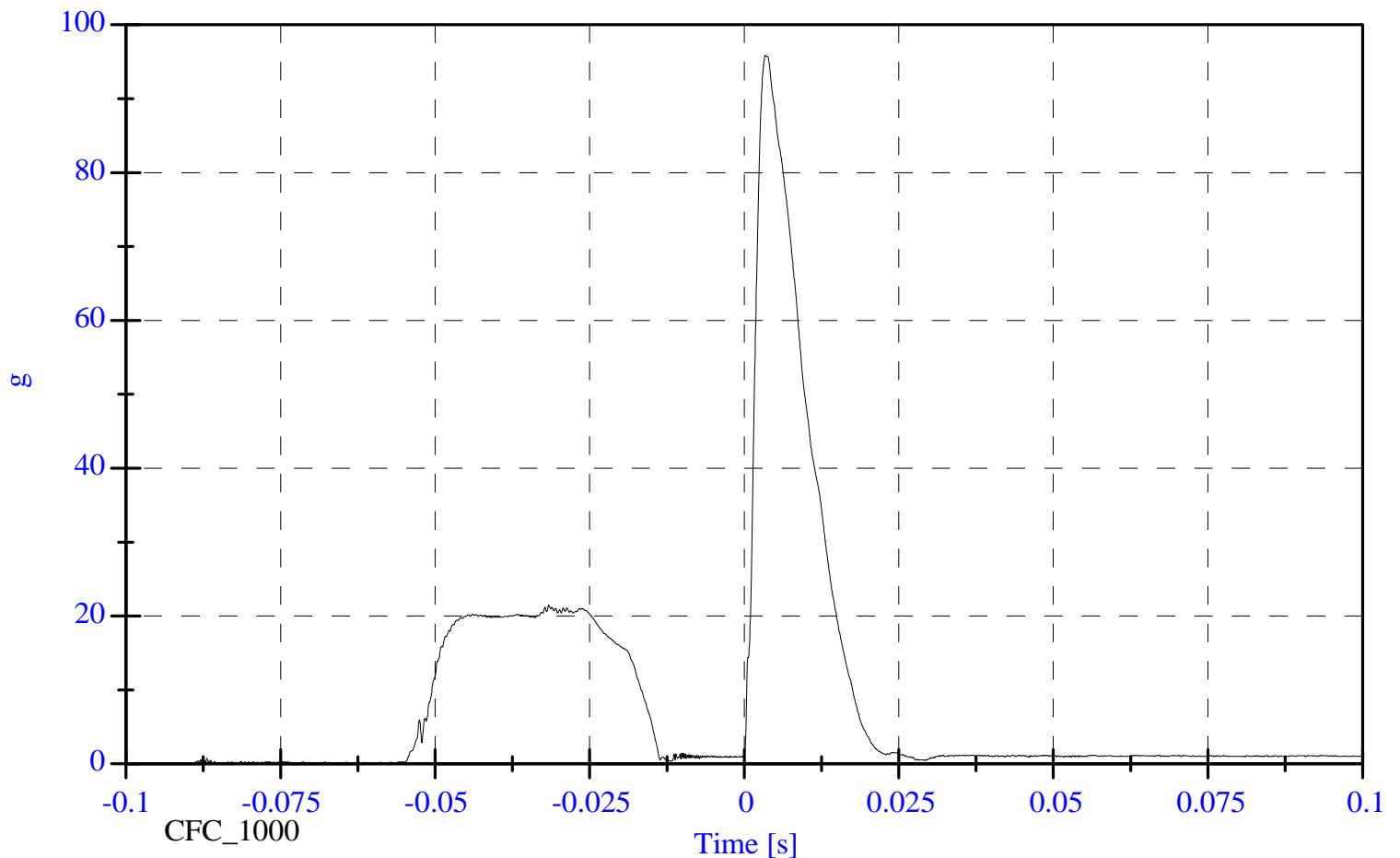
Average Acceleration: 8.4 g

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 95.8 [g] at 0.003 [s]

Headform Resultant

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



FMVSS 201U IMPACT TEST - 2006 FORD 500

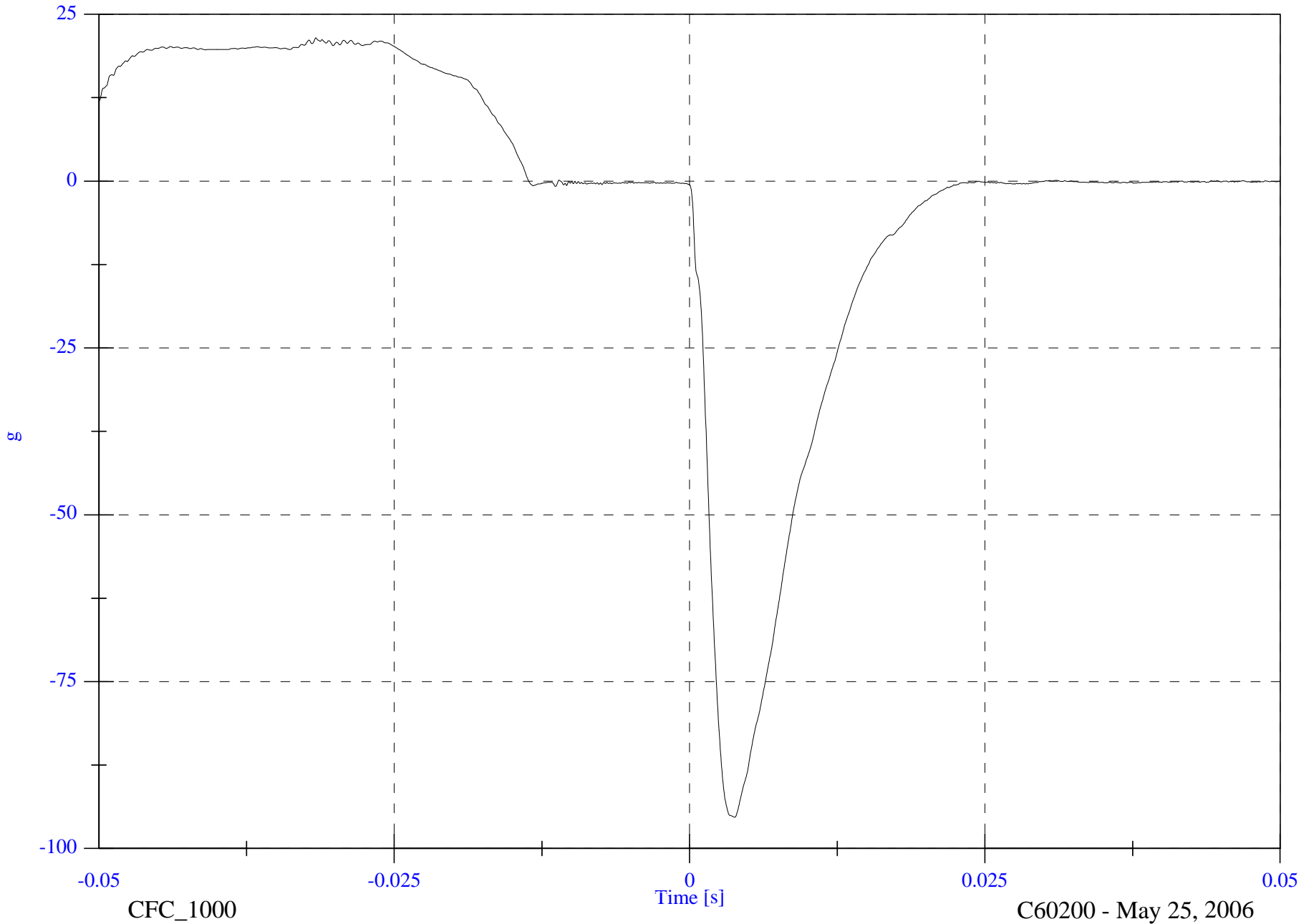
Headform X Acceleration

Max: 21.5 [g] at -0.032 [s]

Min: -95.3 [g] at 0.004 [s]

C60200 DRIVER SIDE SR2A IMPACT PLOT #1

8754+FMH-15



CFC_1000

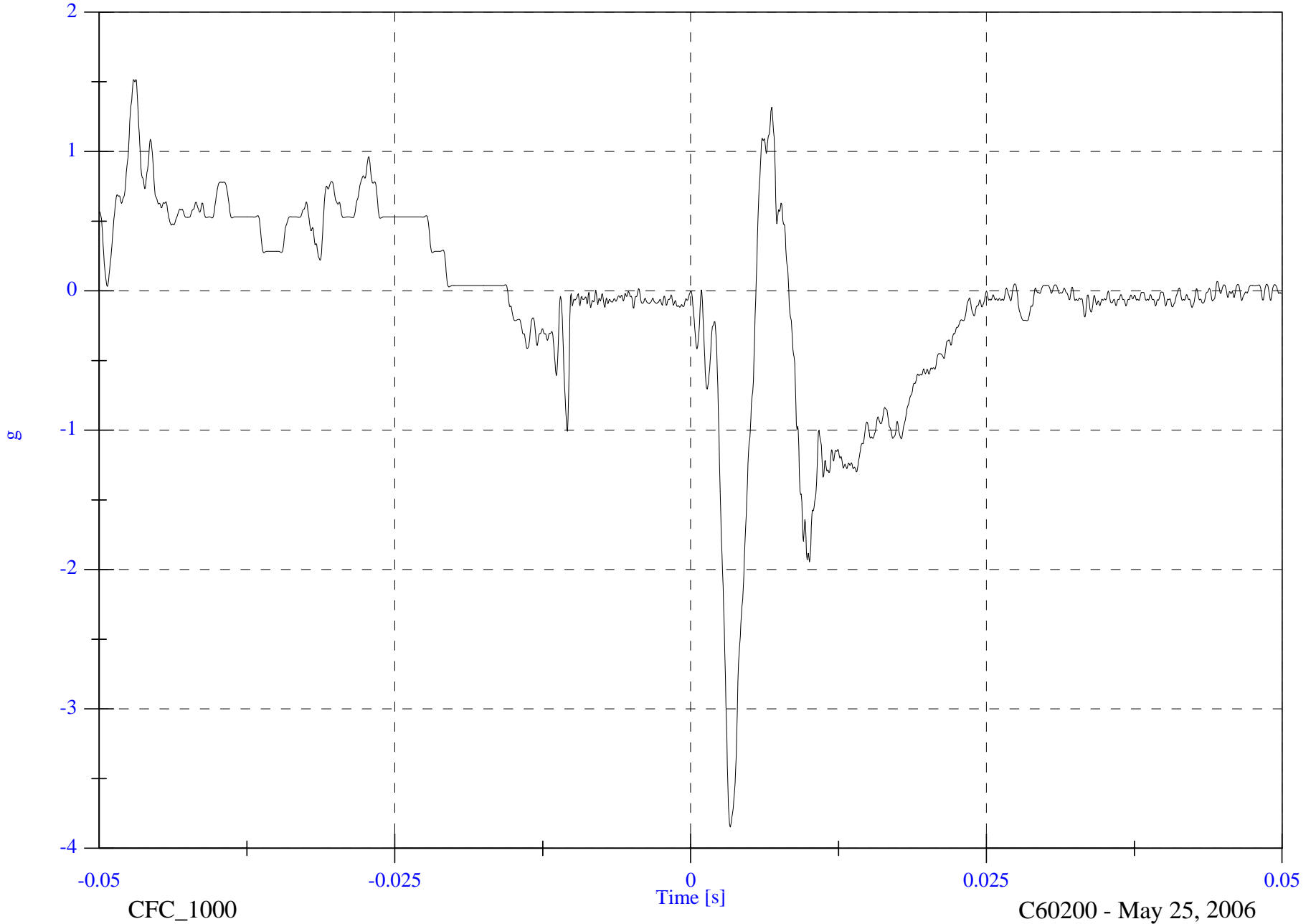
C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

Headform Y Acceleration

Max: 1.5 [g] at -0.047 [s]

Min: -3.8 [g] at 0.003 [s]



C60200 DRIVER SIDE SR2A IMPACT PLOT #2

8754+FMH-15

CFC_1000

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

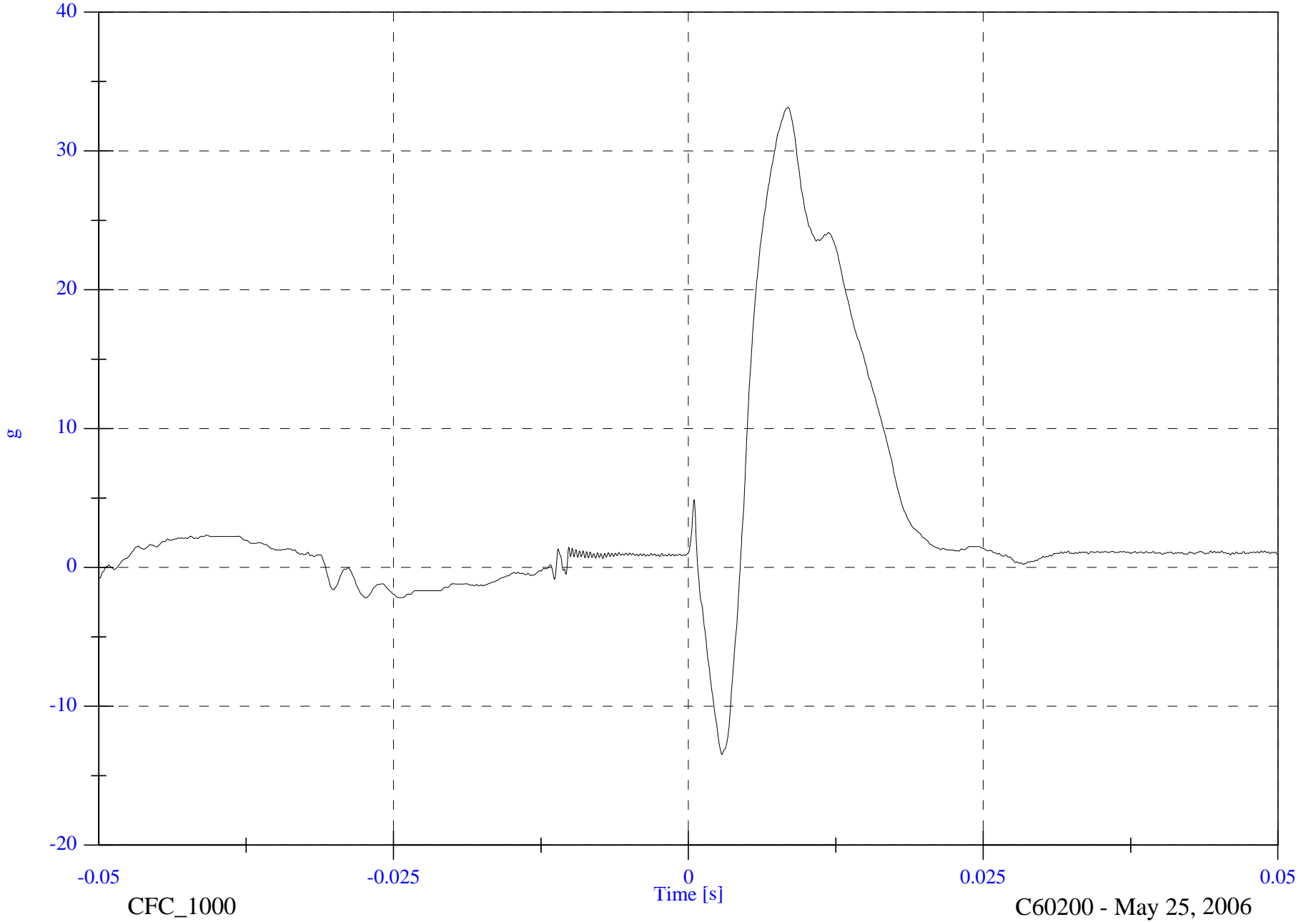
Headform Z Acceleration

Max: 33.1 [g] at 0.008 [s]

Min: -13.5 [g] at 0.003 [s]

C60200 DRIVER SIDE SR2A IMPACT PLOT #3

8754+FMH-15



CFC_1000

C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

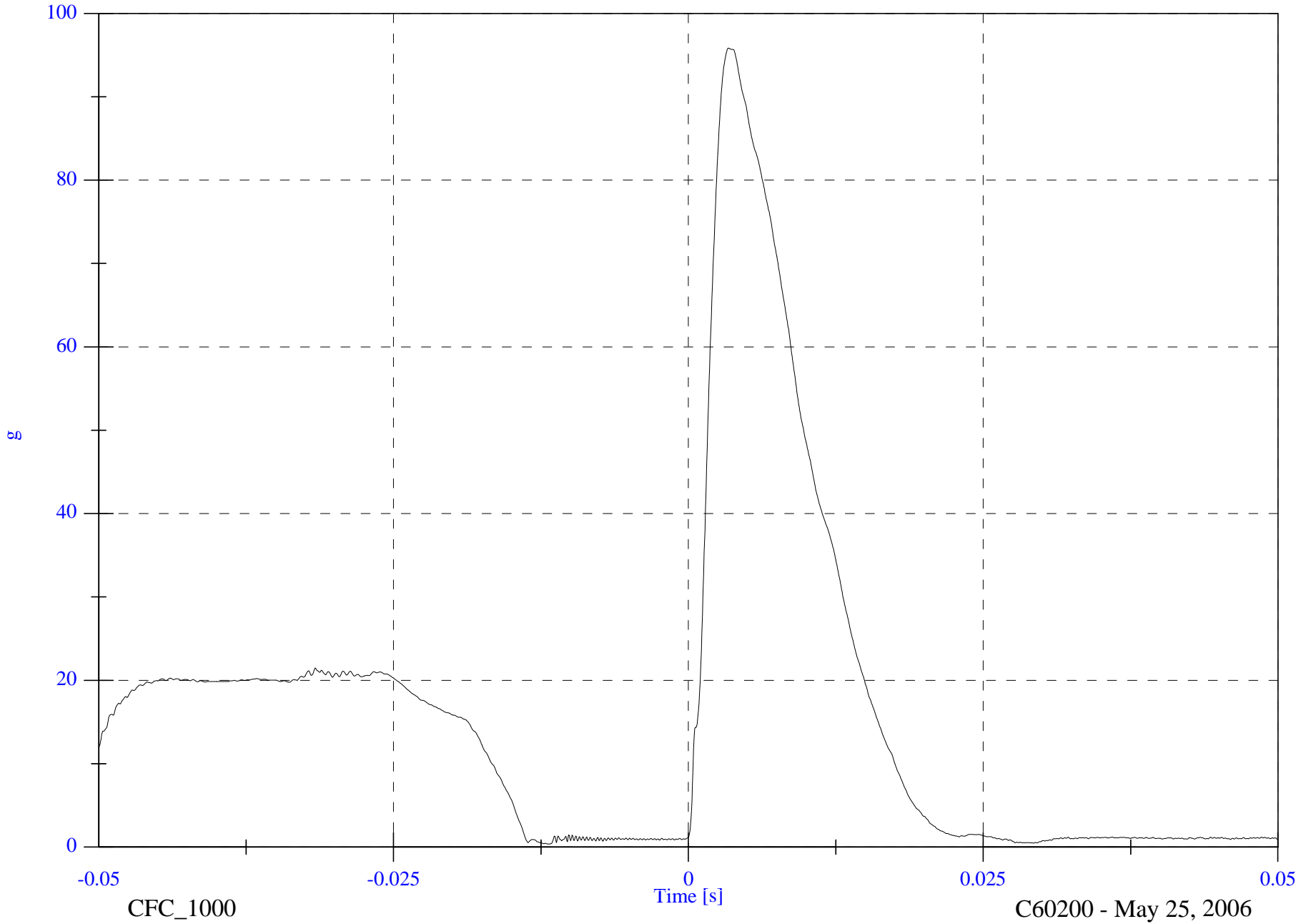
Headform Resultant

Max: 95.8 [g] at 0.003 [s]

Min: 0.4 [g] at -0.012 [s]

C60200 DRIVER SIDE SR2A IMPACT PLOT #4

8754+FMH-15



CFC_1000

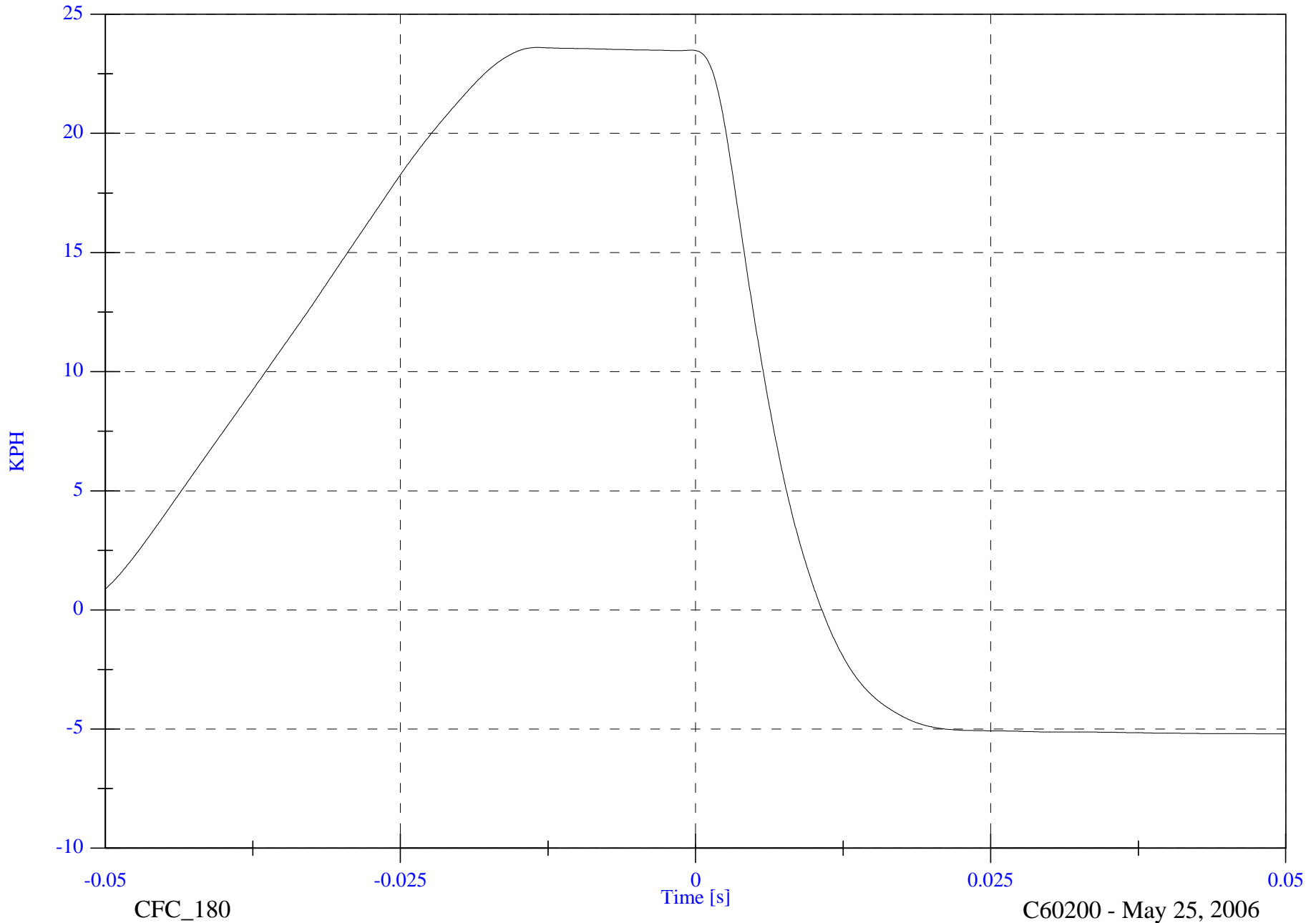
C60200 - May 25, 2006

FMVSS 201U IMPACT TEST - 2006 FORD 500

Max: 23.6 [KPH] at -0.013 [s]

Headform Velocity

Min: -5.2 [KPH] at 0.050 [s]

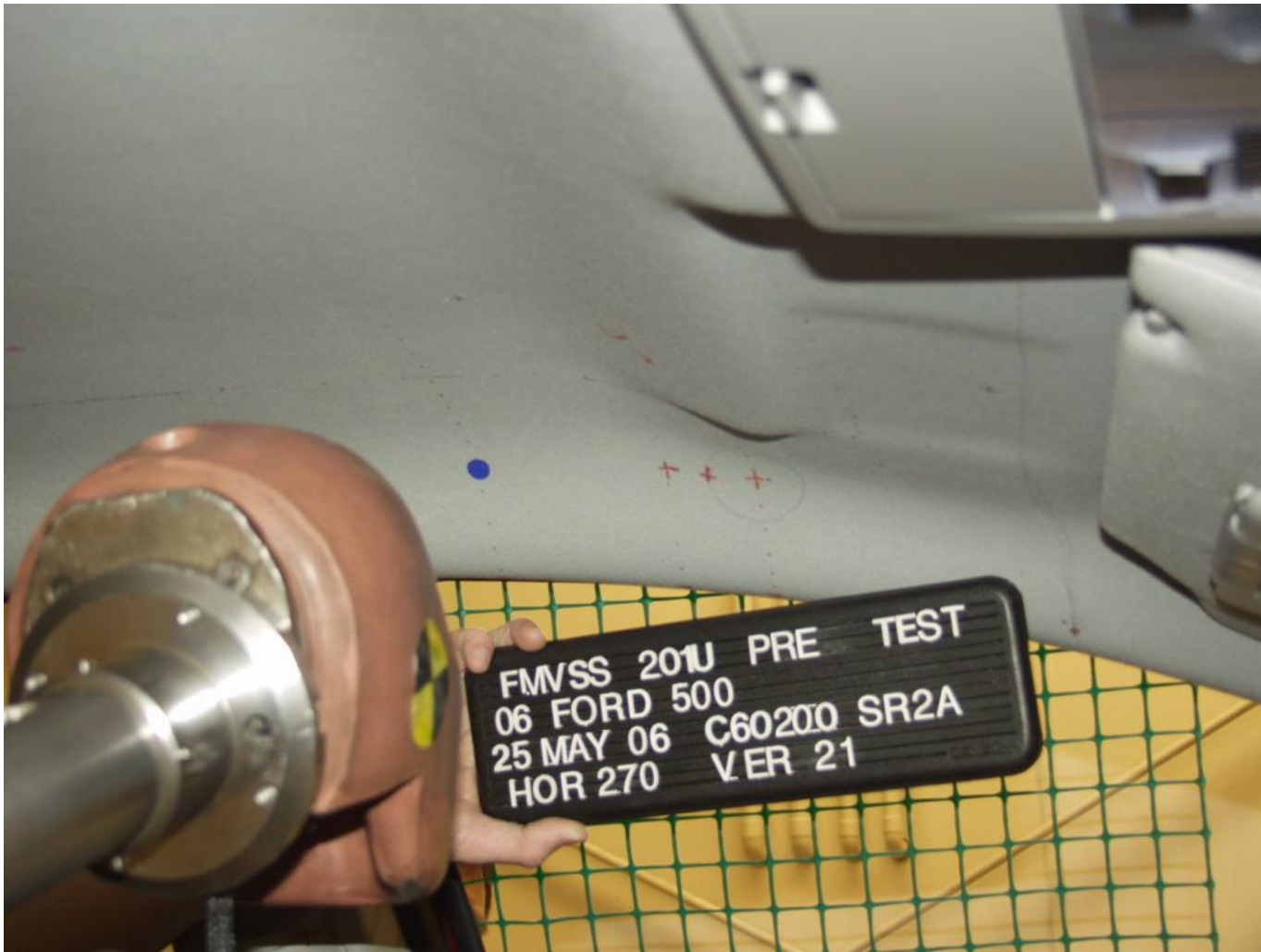


C60200 DRIVER SIDE SR2A IMPACT PLOT #5

8754+FMH-15

CFC_180

C60200 - May 25, 2006



PRE-IMPACT SR2A



POST-IMPACT SR2A

APPENDIX A

PHOTOGRAPHS

PHOTOGRAPHS

FIGURE	VIEW
A-1	LEFT SIDE VIEW OF VEHICLE
A-2	RIGHT SIDE VIEW OF VEHICLE
A-3	3/4 FRONTAL VIEW FROM RIGHT SIDE OF VEHICLE
A-4	3/4 REAR VIEW FROM LEFT SIDE OF VEHICLE
A-5	VEHICLE'S CERTIFICATION LABEL
A-6	VEHICLE'S TIRE INFORMATION LABEL
A-7	PRE-TEST DRIVER SIDE A-PILLAR
A-8	PRE-TEST DRIVER SIDE FRONT HEADER
A-9	PRE-TEST DRIVER SIDE SIDE RAIL
A-10	PRE-TEST DRIVER SIDE B-PILLAR
A-11	PRE-TEST DRIVER SIDE REAR SIDE RAIL
A-12	PRE-TEST DRIVER SIDE REAR PILLAR
A-13	PRE-TEST PASSENGER SIDE A-PILLAR
A-14	PRE-TEST PASSENGER SIDE FRONT HEADER
A-15	PRE-TEST PASSENGER SIDE SIDE RAIL
A-16	PRE-TEST PASSENGER SIDE B-PILLAR
A-17	PRE-TEST PASSENGER SIDE REAR SIDE RAIL
A-18	PRE-TEST PASSENGER SIDE REAR PILLAR
A-19	POST-TEST DRIVER SIDE A-PILLAR
A-20	POST-TEST DRIVER FRONT HEADER
A-21	POST-TEST DRIVER SIDE SIDE RAIL
A-22	POST-TEST DRIVER SIDE B-PILLAR
A-23	POST-TEST DRIVER SIDE REAR SIDE RAIL
A-24	POST-TEST DRIVER SIDE REAR PILLAR
A-25	POST-TEST PASSENGER SIDE A-PILLAR
A-26	POST-TEST PASSENGER FRONT HEADER
A-27	POST-TEST PASSENGER SIDE SIDE RAIL
A-28	POST-TEST PASSENGER SIDE B-PILLAR
A-29	POST-TEST PASSENGER SIDE REAR SIDE RAIL
A-30	POST-TEST PASSENGER SIDE REAR PILLAR



Figure A-1 : LEFT SIDE VIEW OF VEHICLE



Figure A-2 : RIGHT SIDE VIEW OF VEHICLE



Figure A-3 : 3/4 FRONTAL VIEW FROM RIGHT SIDE OF VEHICLE



Figure A-4 : 3/4 REAR VIEW FROM LEFT SIDE OF VEHICLE



Figure A-5 : VEHICLE'S CERTIFICATION LABEL



Figure A-6 : VEHICLE'S TIRE INFORMATION LABEL



Figure A-7 : PRE-TEST DRIVER SIDE A-PILLAR



Figure A-8 : PRE-TEST DRIVER SIDE FRONT HEADER



Figure A-9 : PRE-TEST DRIVER SIDE SIDE RAIL



Figure A-10 : PRE-TEST DRIVER SIDE B-PILLAR



Figure A-11 : PRE-TEST DRIVER SIDE REAR SIDE RAIL



Figure A-12 : PRE-TEST DRIVER SIDE REAR PILLAR



Figure A-13 : PRE-TEST PASSENGER SIDE A-PILLAR



Figure A-14 : PRE-TEST PASSENGER SIDE FRONT HEADER



Figure A-15 : PRE-TEST PASSENGER SIDE SIDE RAIL



Figure A-16 : PRE-TEST PASSENGER SIDE B-PILLAR



Figure A-17 : PRE-TEST PASSENGER SIDE REAR SIDE RAIL



Figure A-18 : PRE-TEST PASSENGER SIDE REAR PILLAR



Figure A-19 : POST-TEST DRIVER SIDE A-PILLAR



Figure A-20 : POST-TEST DRIVER SIDE FRONT HEADER



Figure A-21 : POST-TEST DRIVER SIDE SIDE RAIL



Figure A-22 : POST-TEST DRIVER SIDE B-PILLAR



Figure A-23 : POST-TEST DRIVER SIDE REAR SIDE RAIL



Figure A-24 : POST-TEST DRIVER SIDE REAR PILLAR



Figure A-25 : POST-TEST PASSENGER SIDE A-PILLAR



Figure A-26 : POST-TEST PASSENGER SIDE FRONT HEADER



Figure A-27 : POST-TEST PASSENGER SIDE SIDE RAIL



Figure A-28 : POST-TEST PASSENGER SIDE B-PILLAR



Figure A-29 : POST-TEST PASSENGER SIDE REAR SIDE RAIL



Figure A-30 : POST-TEST PASSENGER SIDE REAR PILLAR

APPENDIX B

PART 572L PERFORMANCE CALIBRATION IN SUPPORT OF VEHICLE SAFETY COMPLIANCE TESTING FOR OCCUPANT PROTECTION IN INTERIOR IMPACT

Appendix B contains the results from certification tests performed on the Free Motion Headforms utilized in this test program. The results indicate that the headforms meet all of the performance specifications given in 49 CFR Part 572 Subpart L.

The tests were conducted at the Dummy Certification Test Facility of Calspan Corporation. A summary of the test results are included in this Appendix.

**PART 572L
HEAD DROP PRE-TEST**

MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		0642	
CALIBRATION DATE:		MAY18,2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	48	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	268.0	
PEAK LATERAL ACCELERATION	15 Gs Maximum	3.9	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

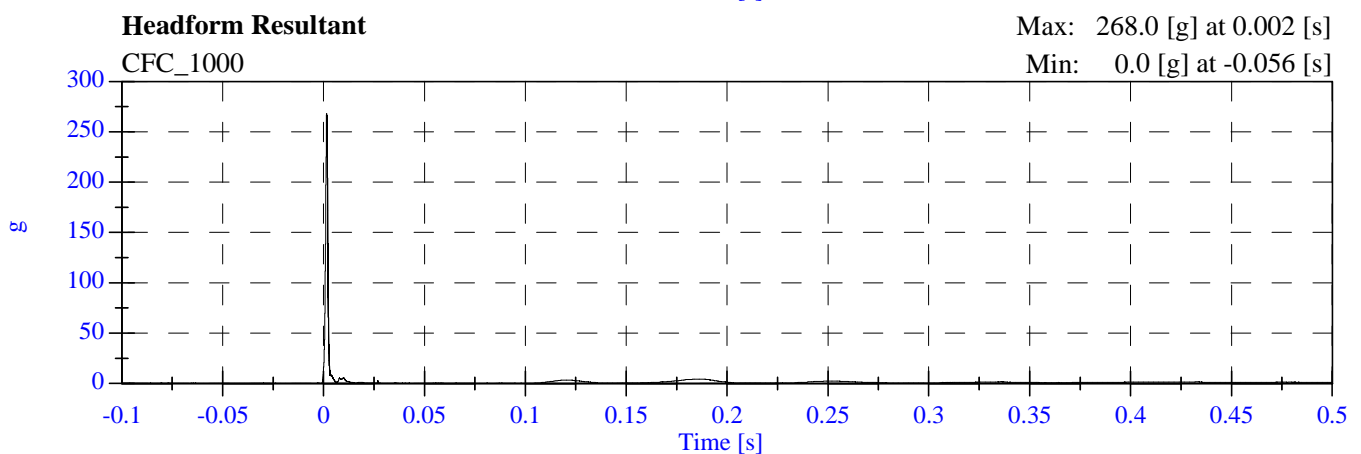
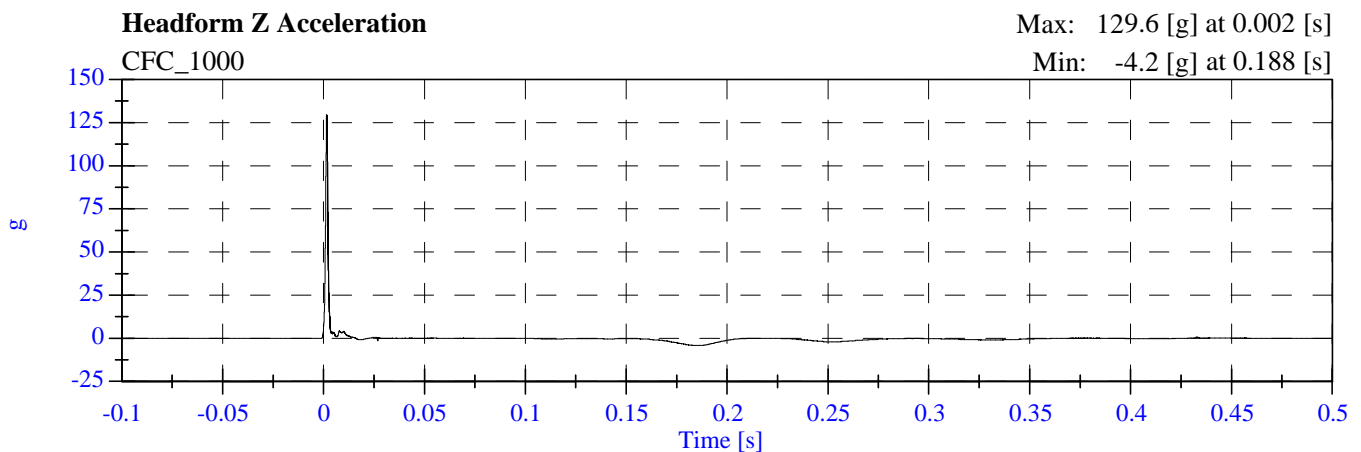
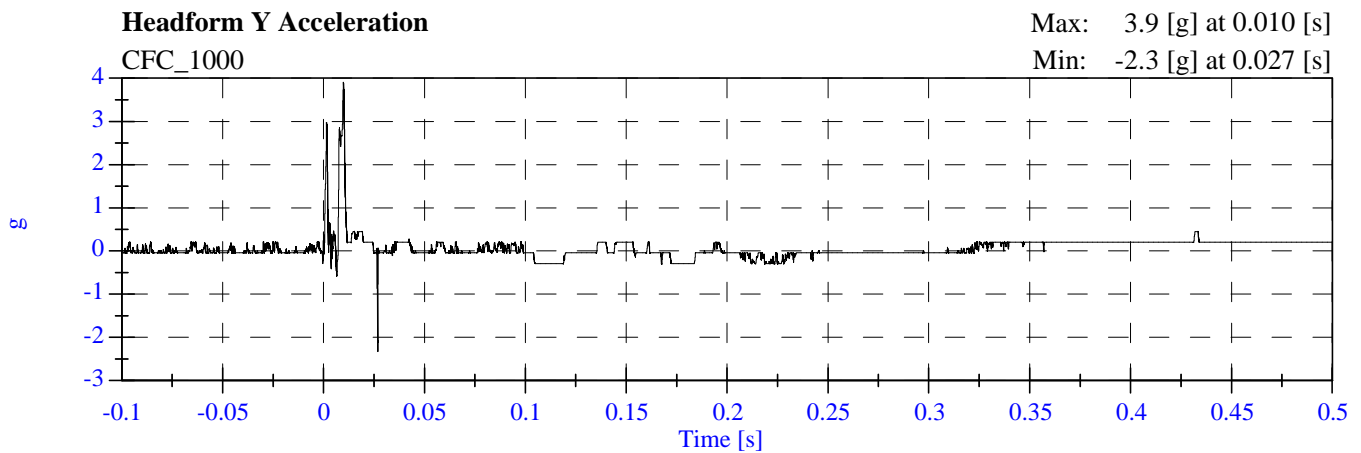
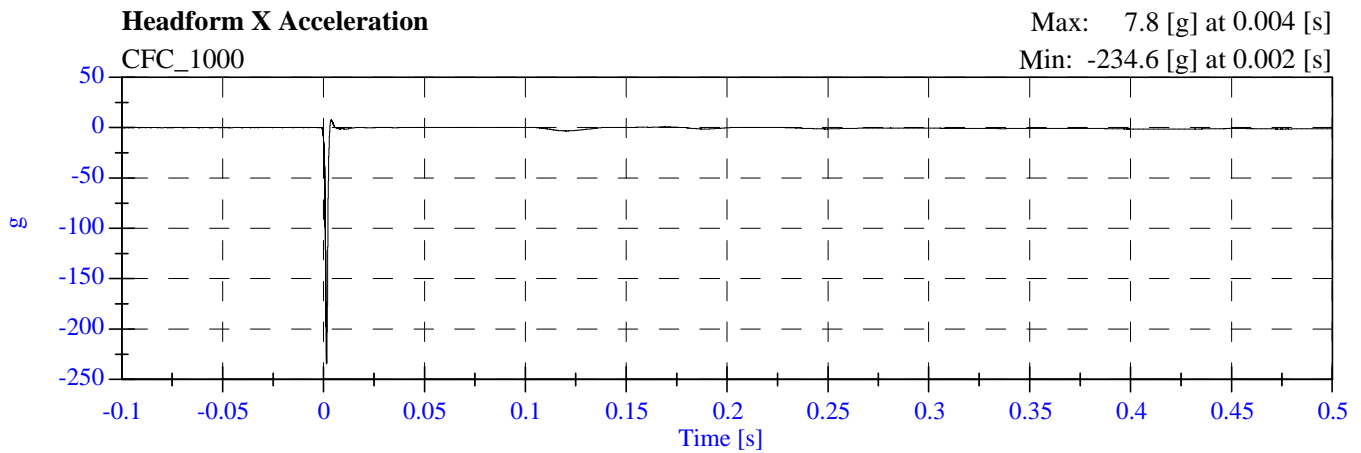
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J24876	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J33030	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J31009	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 0642 - May 18, 2006



**PART 572L
HEAD DROP PRE-TEST**

MANUFACTURER:		DENTON ATD INC.	
SERIAL NUMBER:		0062	
CALIBRATION DATE:		MAY18,2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	48	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	265.4	
PEAK LATERAL ACCELERATION	15 Gs Maximum	6.6	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

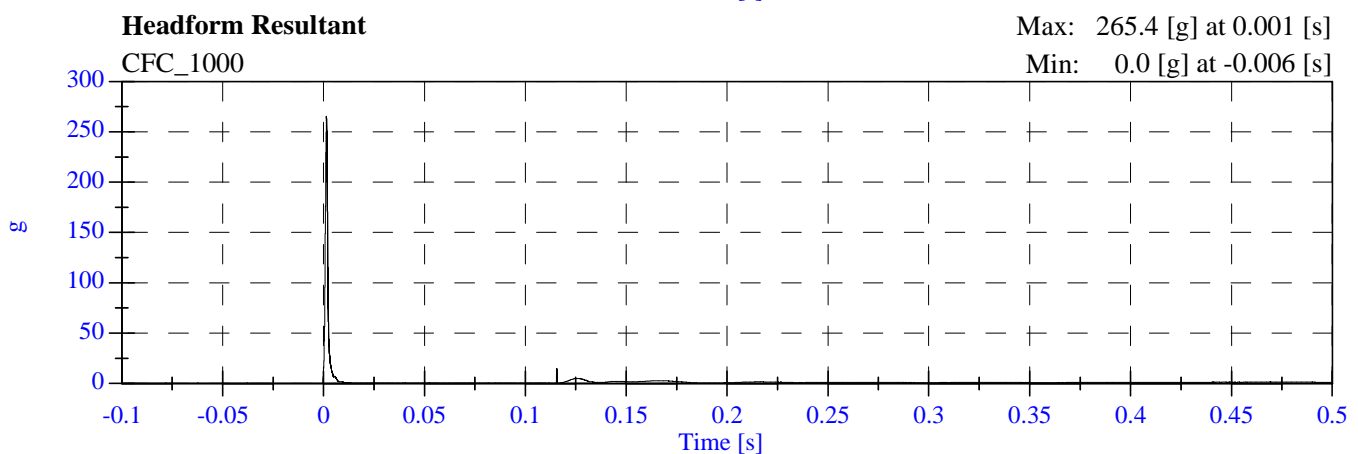
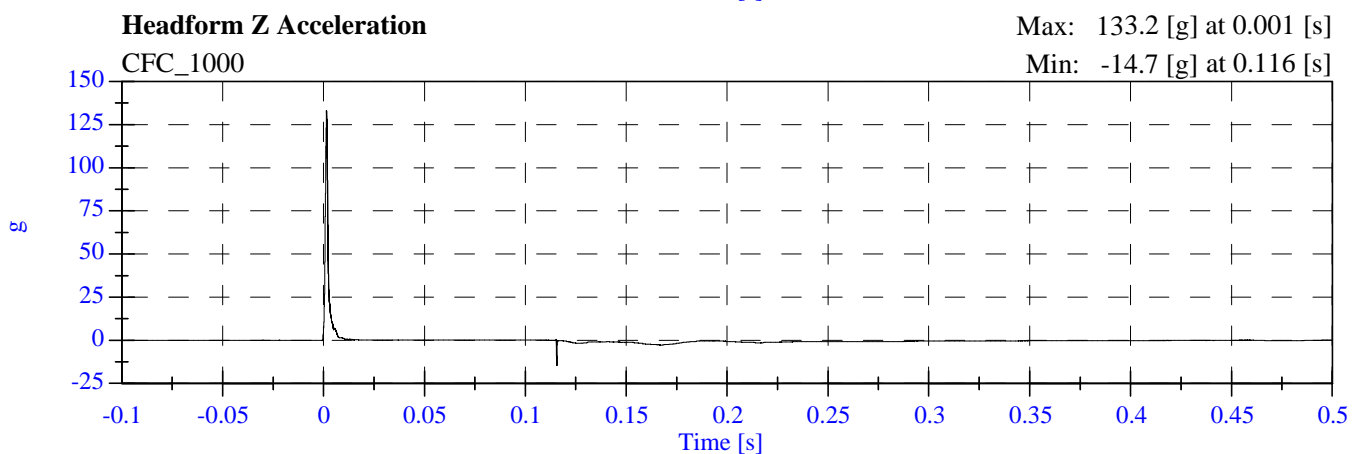
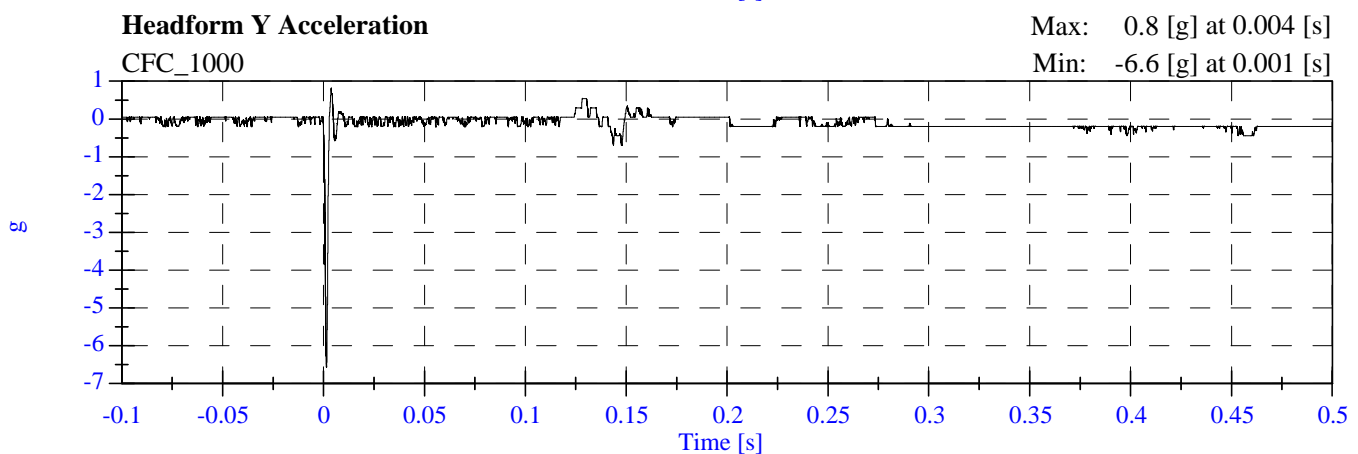
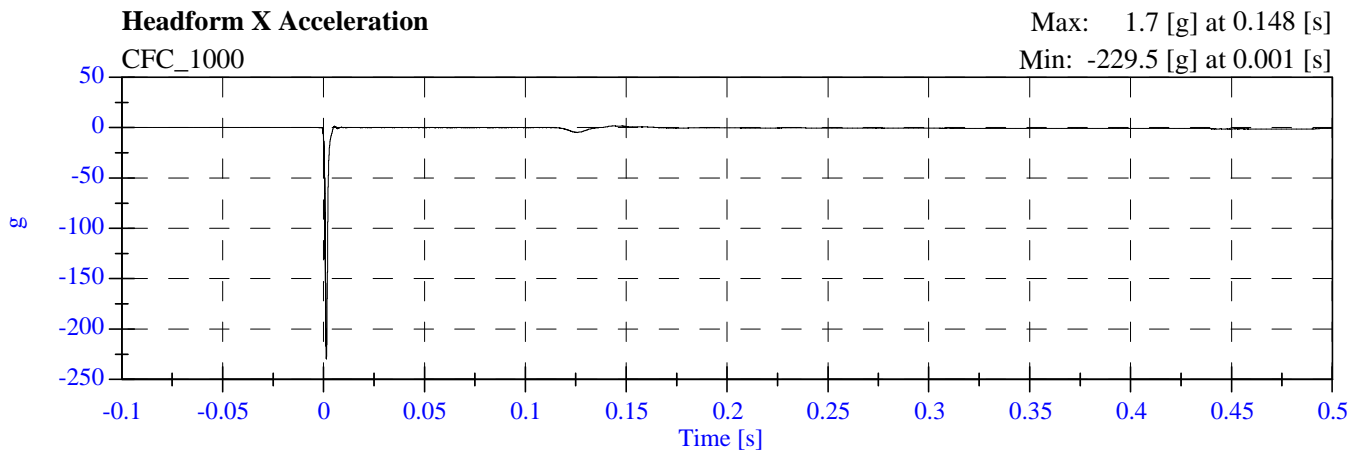
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J33127	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J33019	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J32782	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 0062 - May 18, 2006



**PART 572L
HEAD DROP PRE-TEST**

MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		805	
CALIBRATION DATE:		MAY18,2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	48	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	270.1	
PEAK LATERAL ACCELERATION	15 Gs Maximum	11.0	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

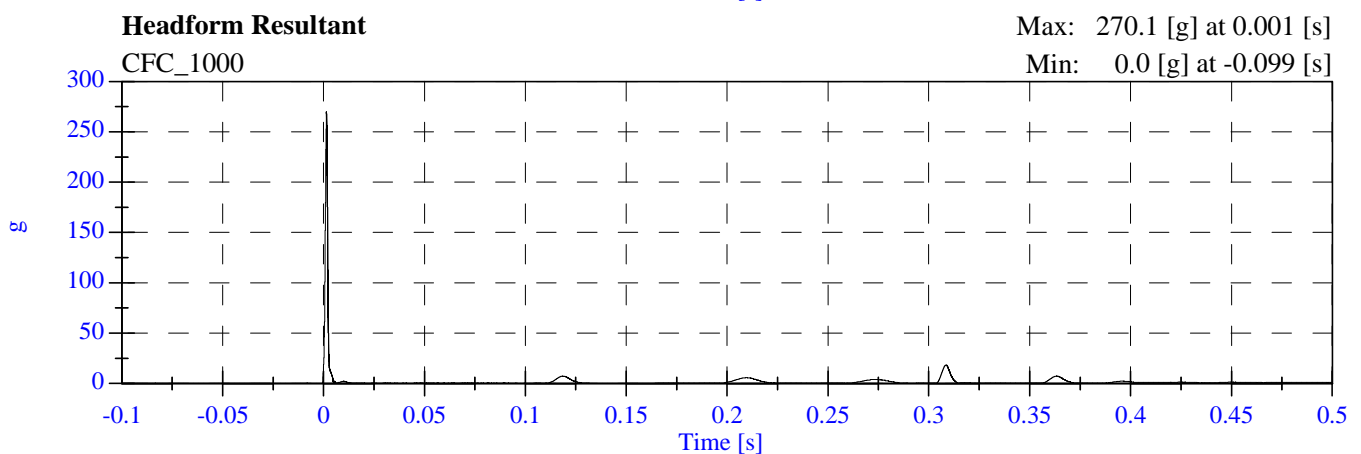
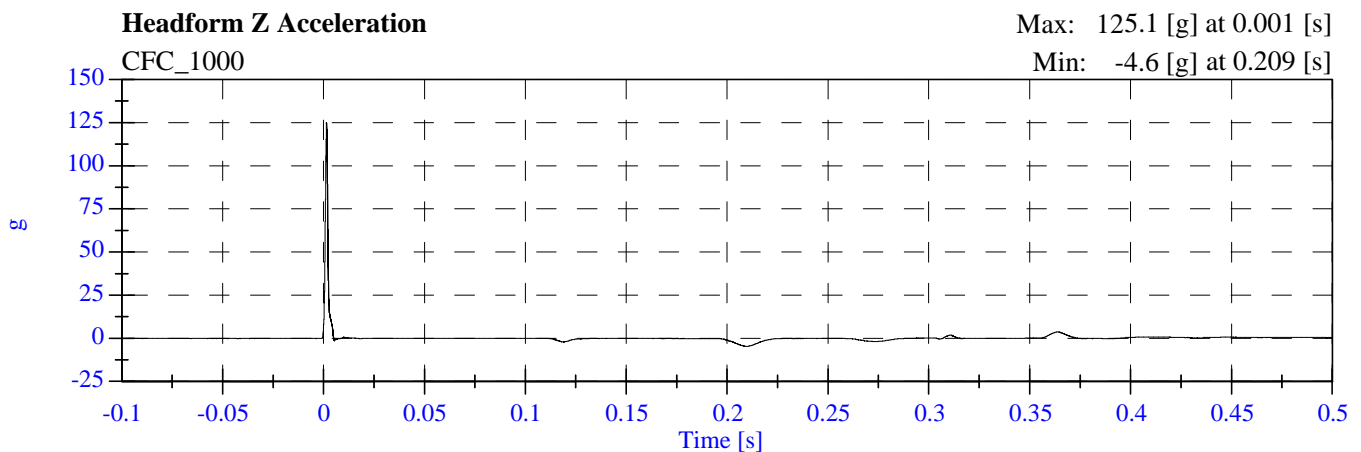
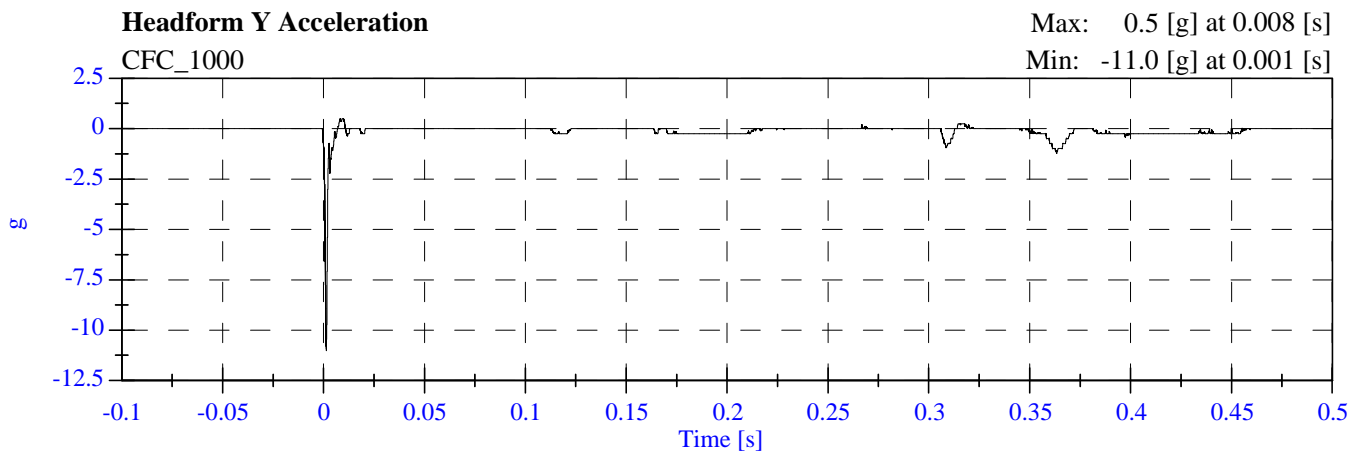
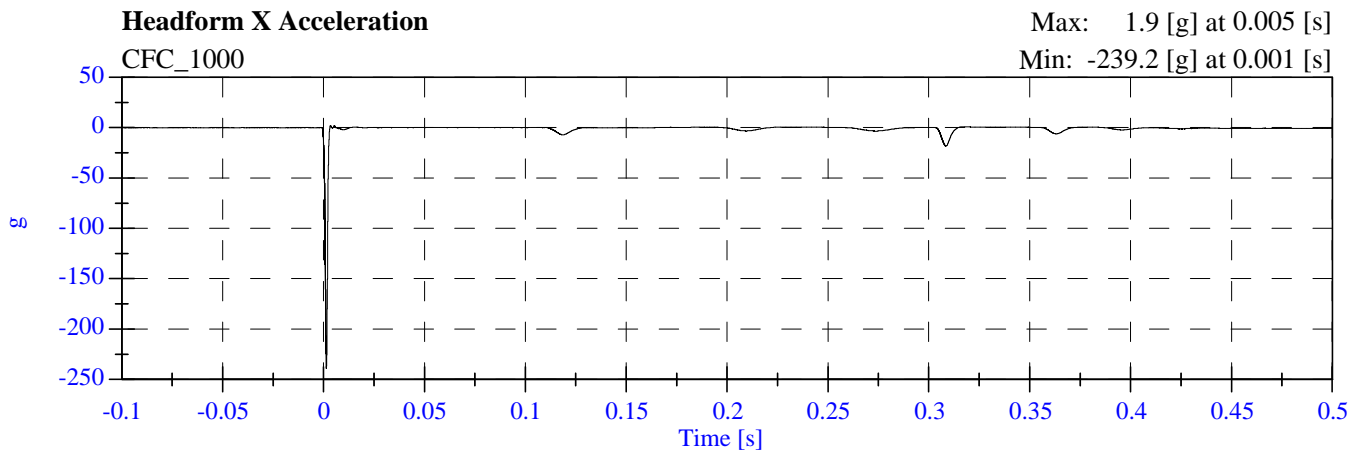
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J38127	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J37980	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J37854	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 0805 - May 18, 2006



**PART 572L
HEAD DROP PRE-TEST**

MANUFACTURER:		DENTON ATD INC.	
SERIAL NUMBER:		0355	
CALIBRATION DATE:		MAY18,2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	48	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	247.6	
PEAK LATERAL ACCELERATION	15 Gs Maximum	2.0	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

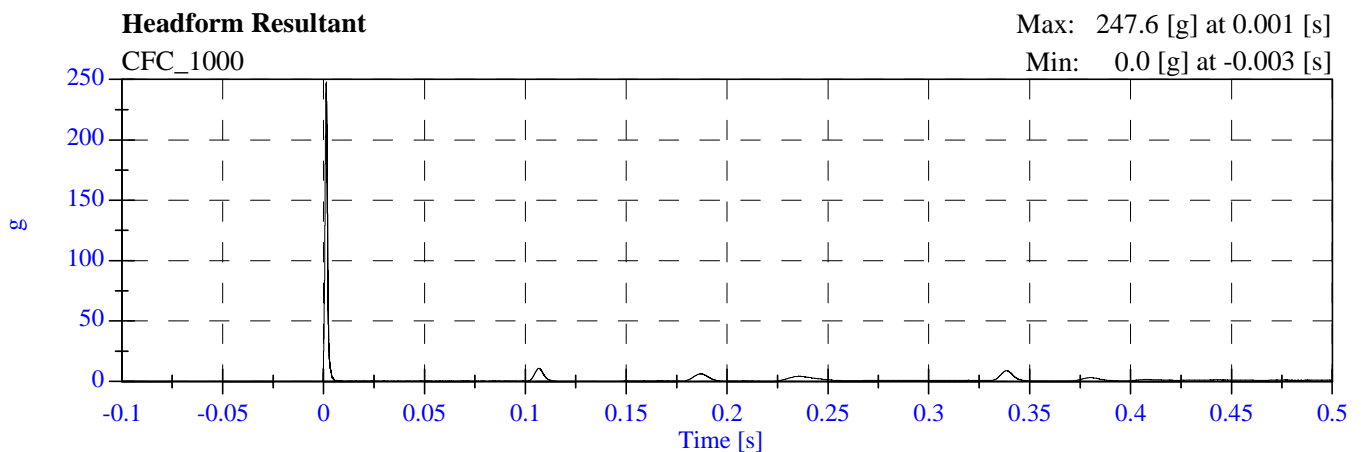
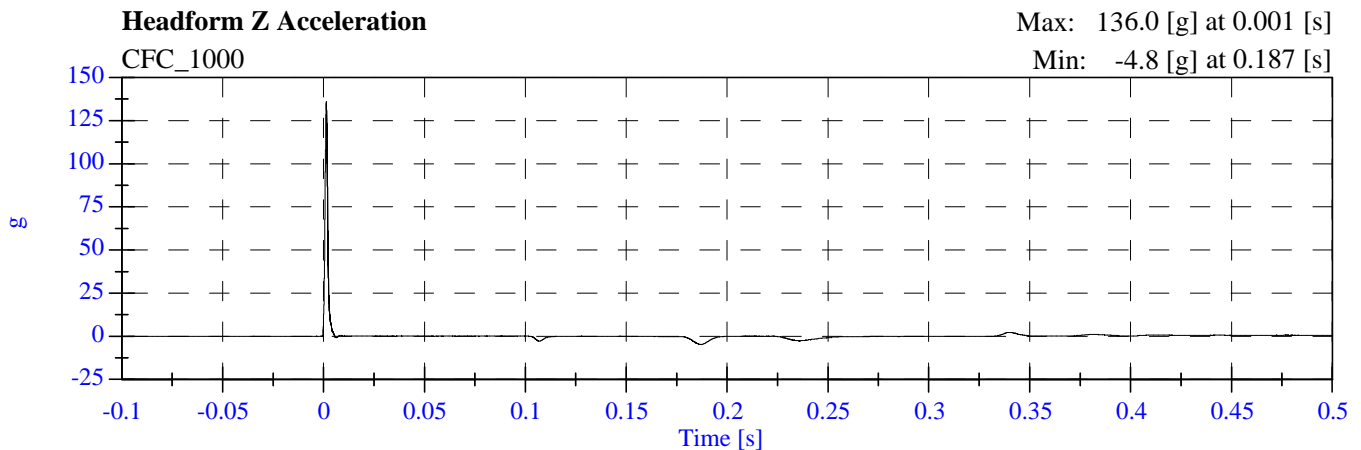
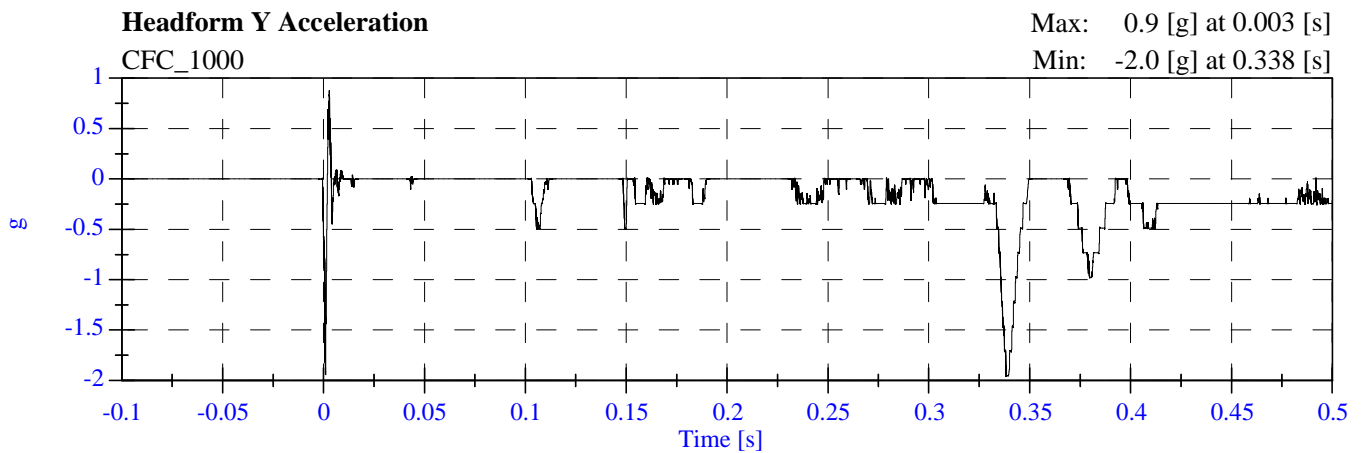
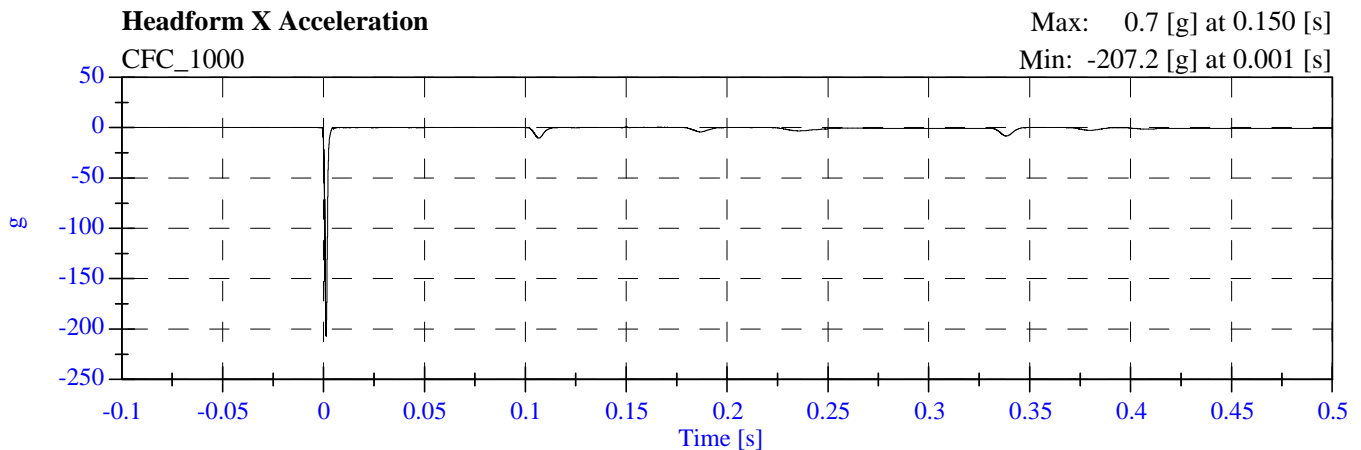
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J28671	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J32779	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J25854	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 0355 - May 18, 2006



**PART 572L
HEAD DROP PRE-TEST**

MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		1255	
CALIBRATION DATE:		MAY18,2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	48	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	270.8	
PEAK LATERAL ACCELERATION	15 Gs Maximum	11.0	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

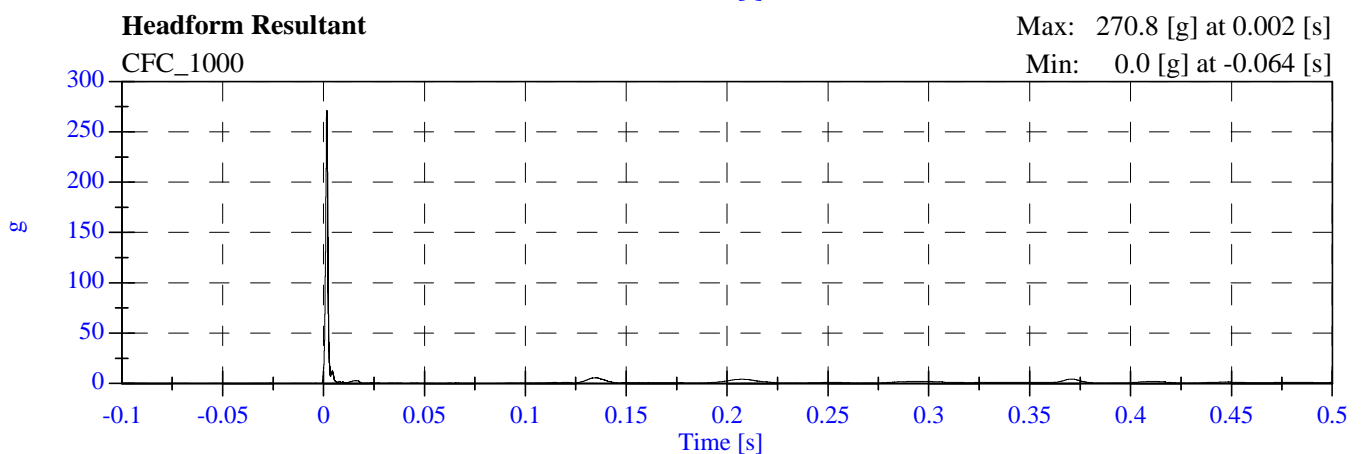
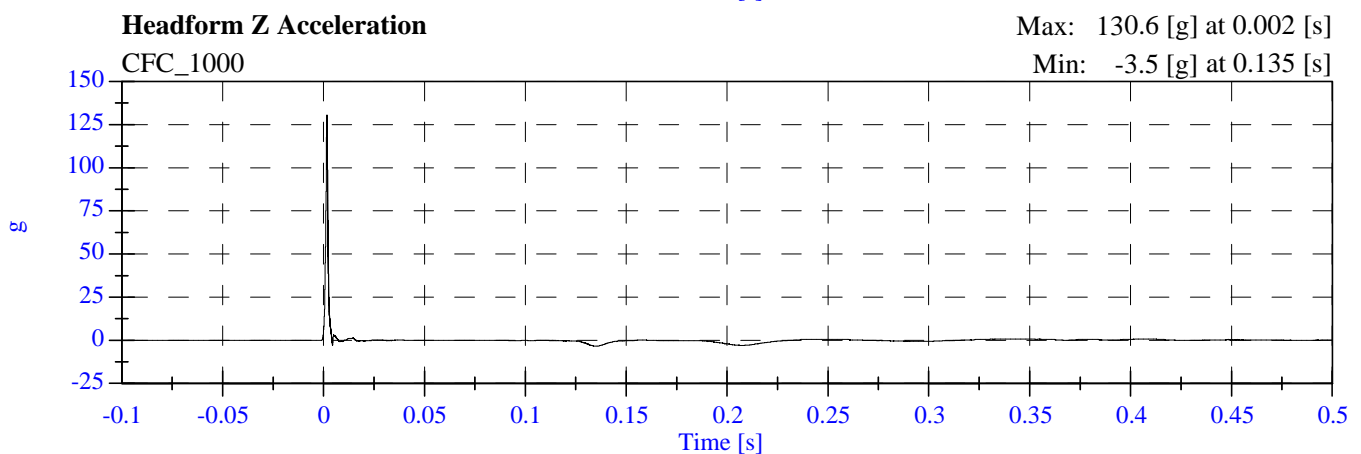
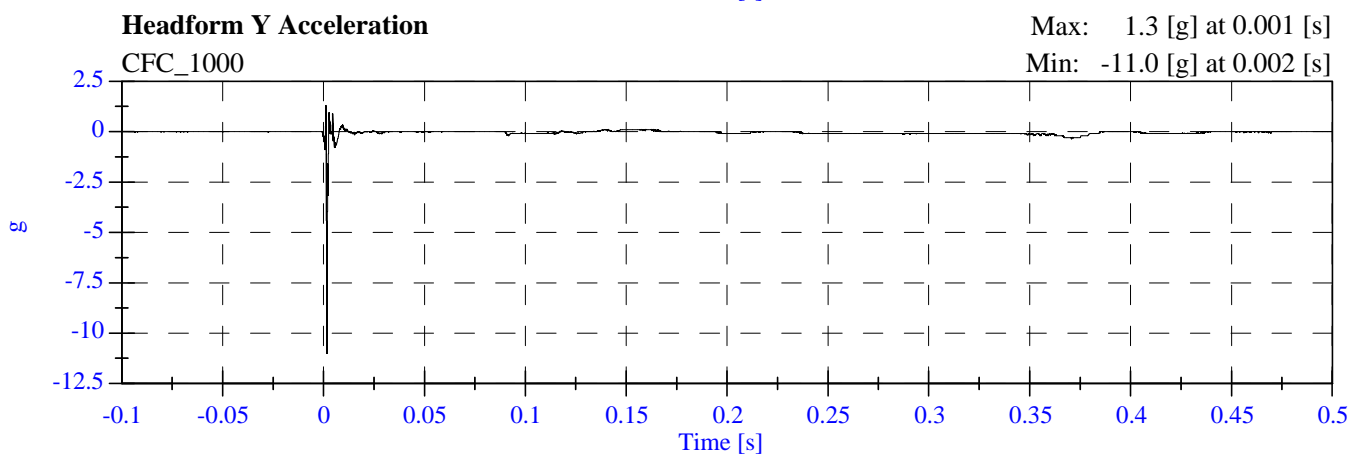
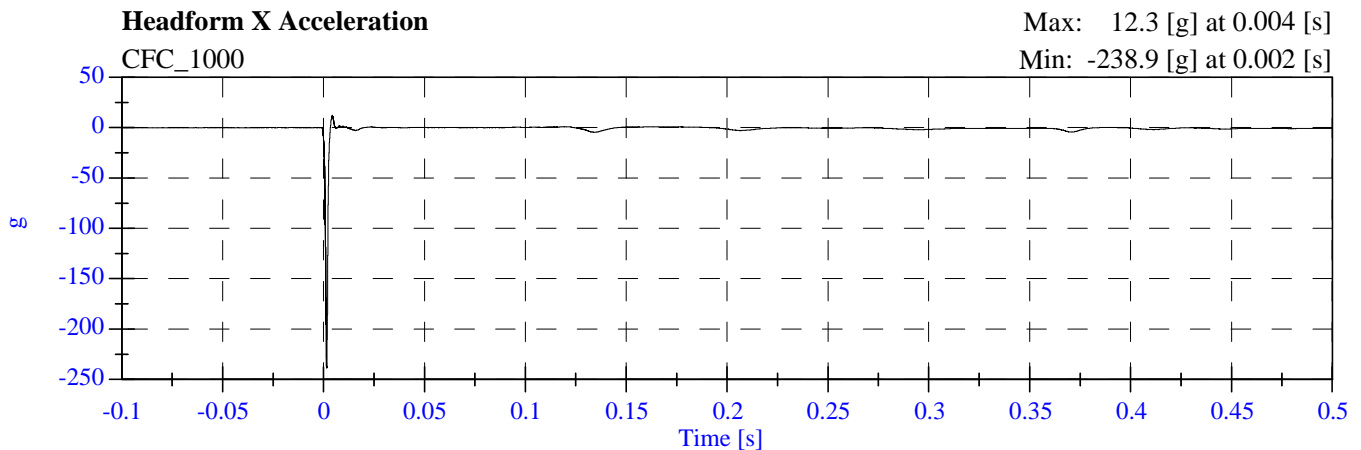
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J41006	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J40994	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J41007	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 1255 - May 18, 2006



**PART 572L
HEAD DROP POST-TEST**

MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		0642	
CALIBRATION DATE:		JUNE 1, 2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	42	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	258.7	
PEAK LATERAL ACCELERATION	15 Gs Maximum	8.1	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

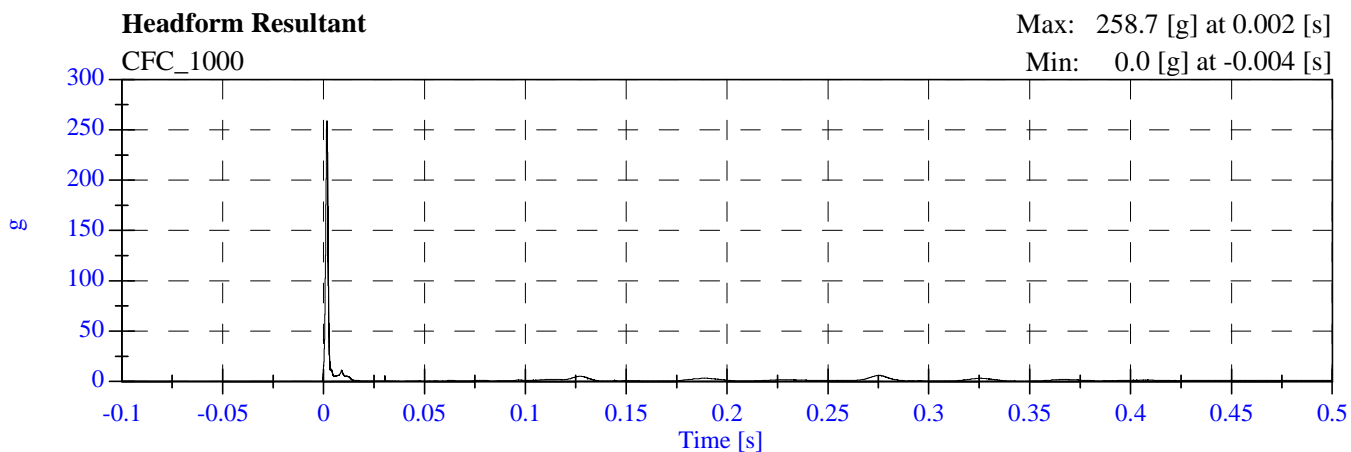
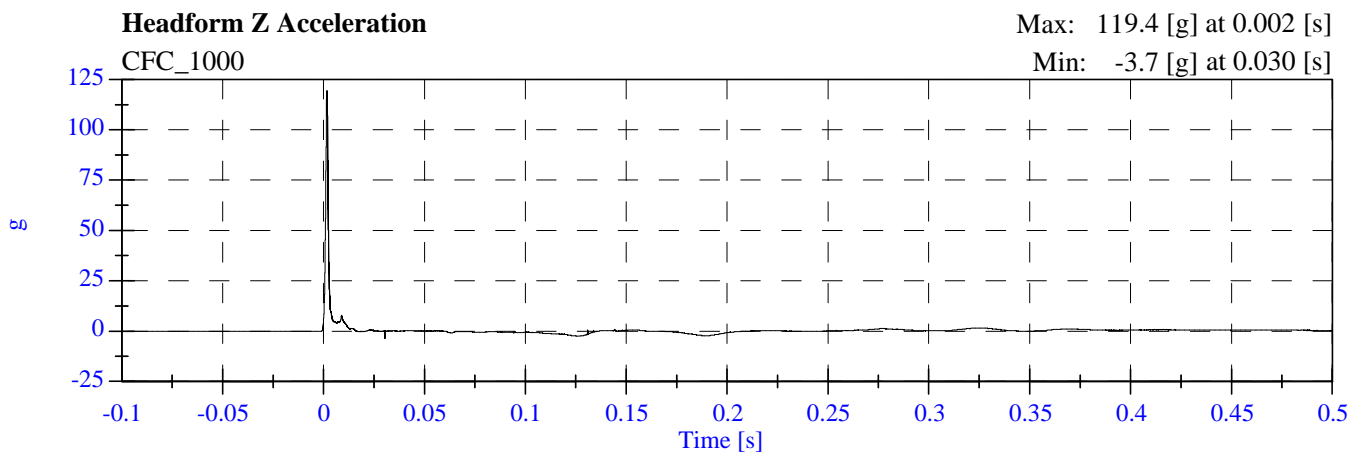
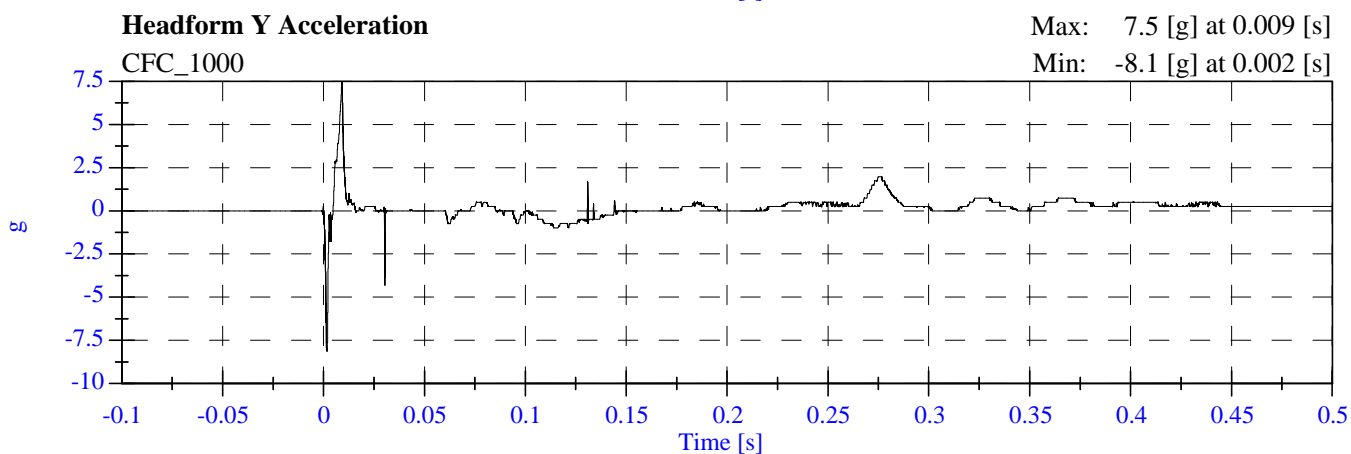
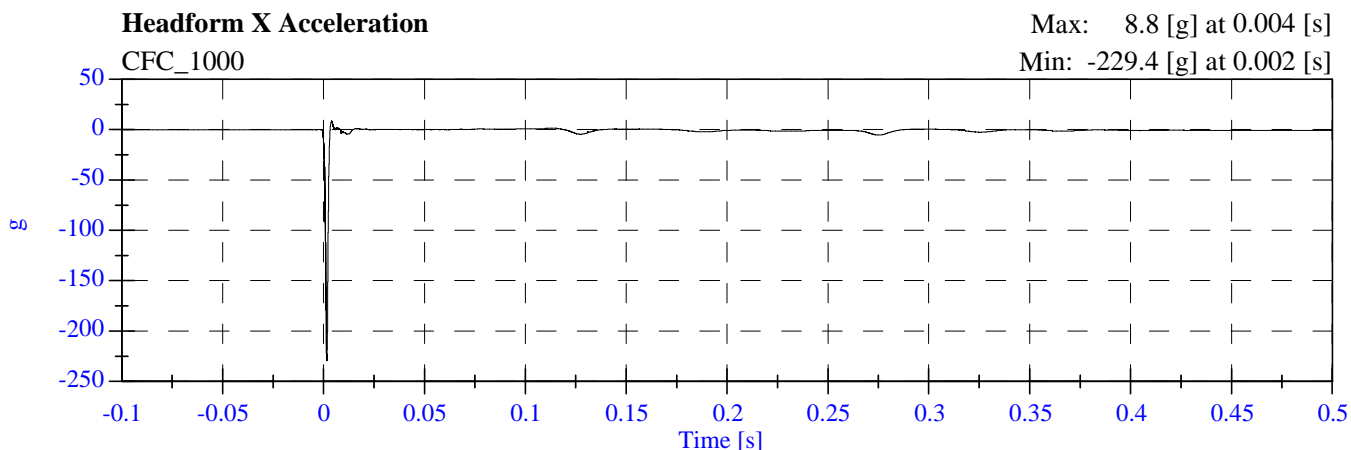
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J24876	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J33030	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J31009	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 0642 - June 01, 2006



**PART 572L
HEAD DROP POST-TEST**

MANUFACTURER:		DENTON ATD INC.	
SERIAL NUMBER:		0062	
CALIBRATION DATE:		JUNE 1, 2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	42	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	270.2	
PEAK LATERAL ACCELERATION	15 Gs Maximum	2.9	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

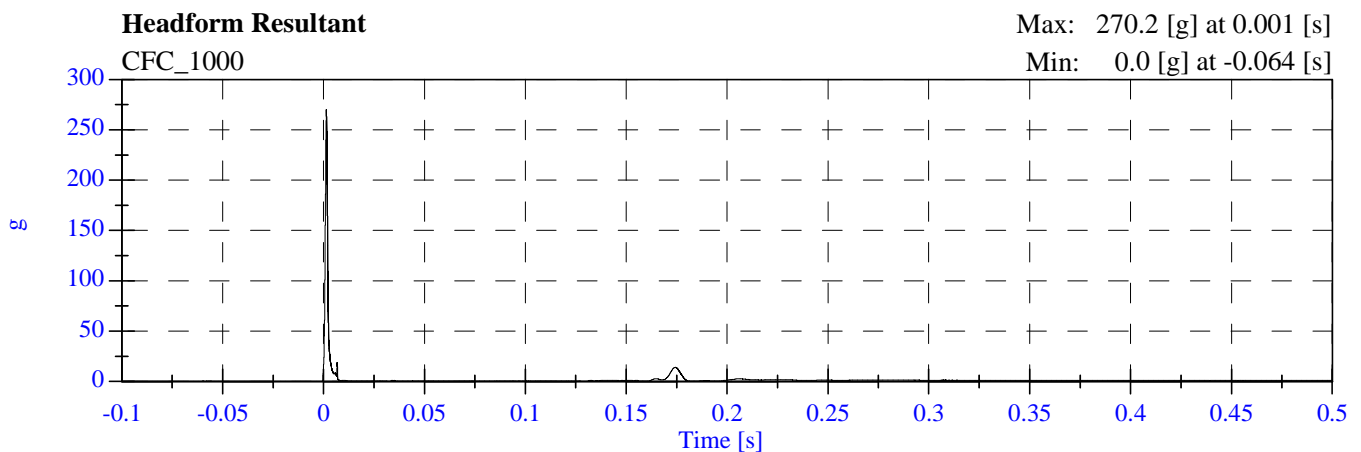
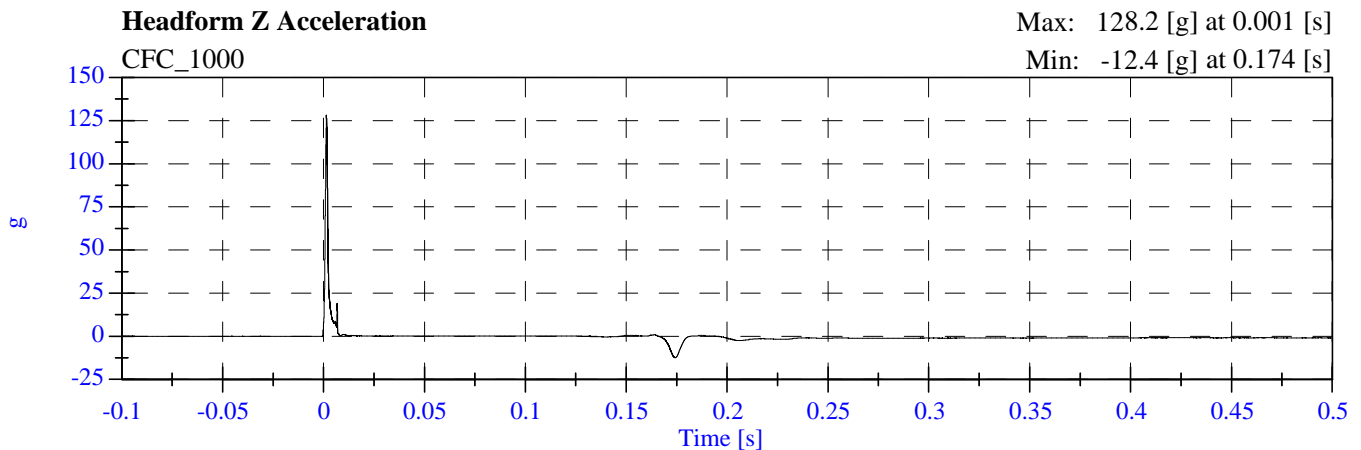
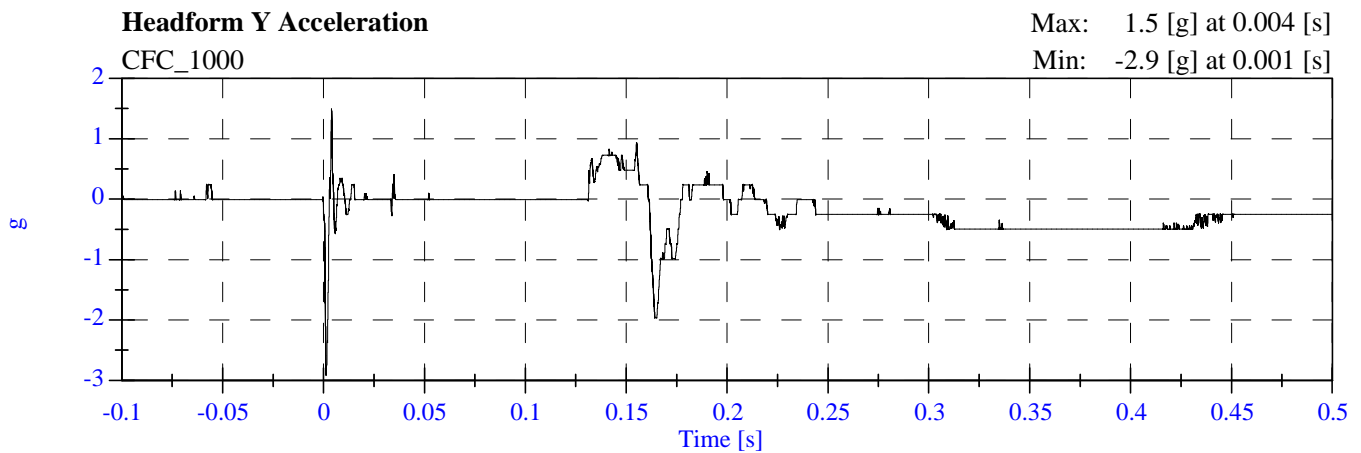
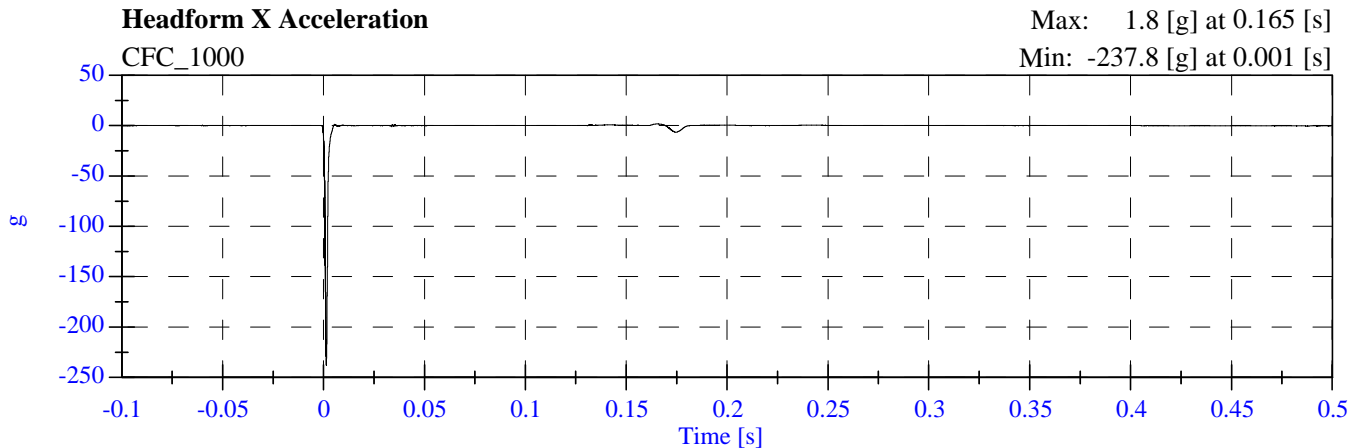
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J33127	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J33019	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J32782	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 0062 - June 01, 2006



**PART 572L
HEAD DROP POST-TEST**

MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		805	
CALIBRATION DATE:		JUNE 1, 2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	42	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	264.5	
PEAK LATERAL ACCELERATION	15 Gs Maximum	8.8	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

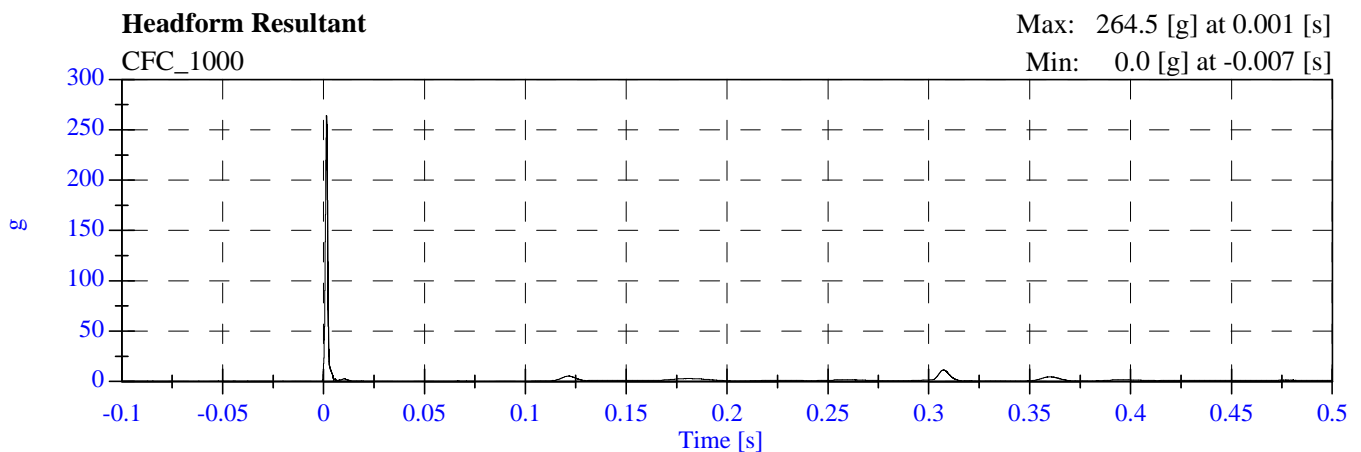
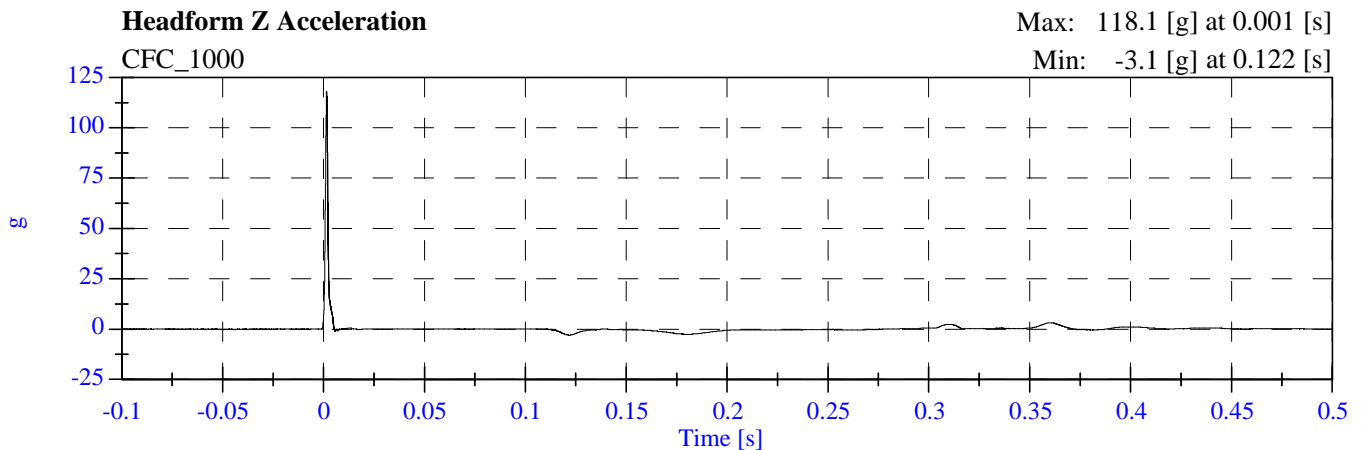
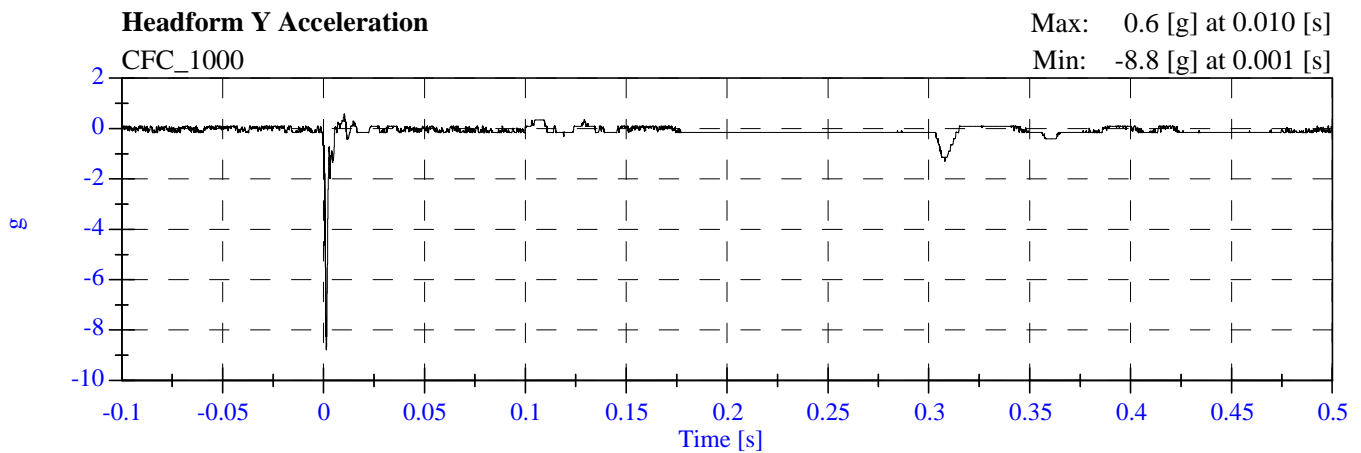
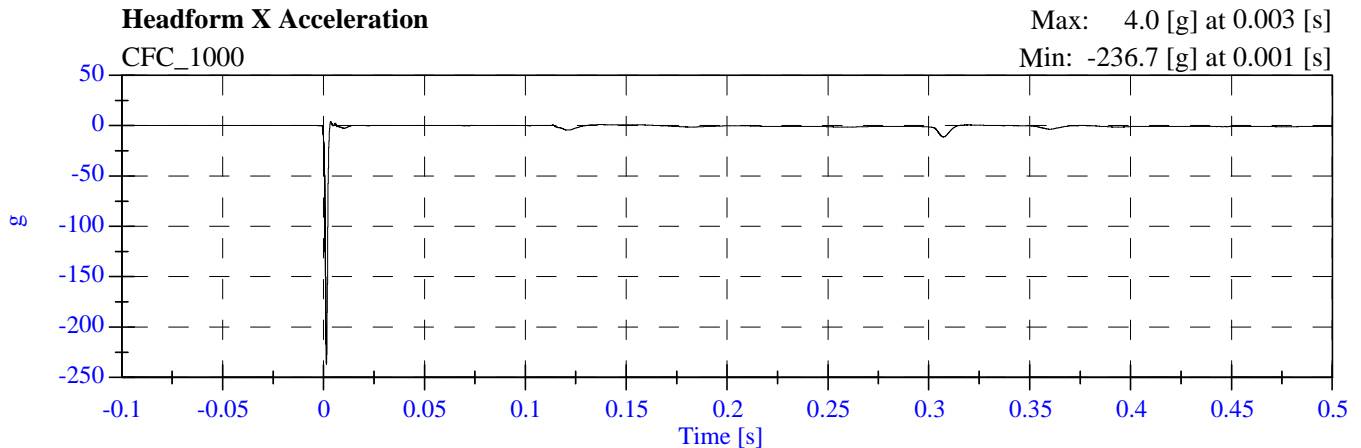
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J38127	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J37980	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J37854	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 0805 - June 01, 2006



**PART 572L
HEAD DROP POST-TEST**

MANUFACTURER:		DENTON ATD INC.	
SERIAL NUMBER:		0355	
CALIBRATION DATE:		JUNE 1, 2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	42	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	253.9	
PEAK LATERAL ACCELERATION	15 Gs Maximum	10.9	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

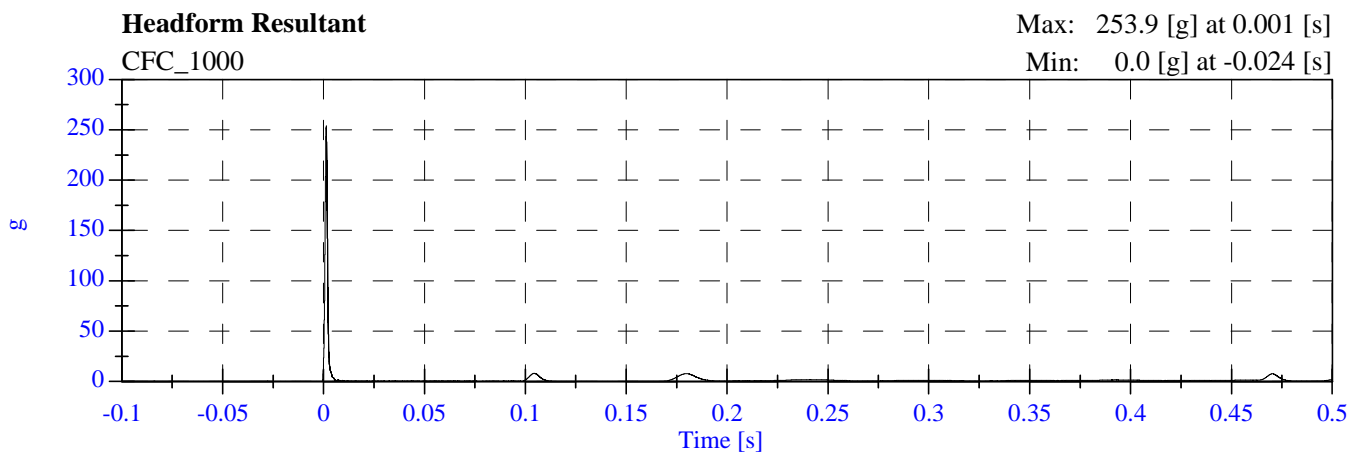
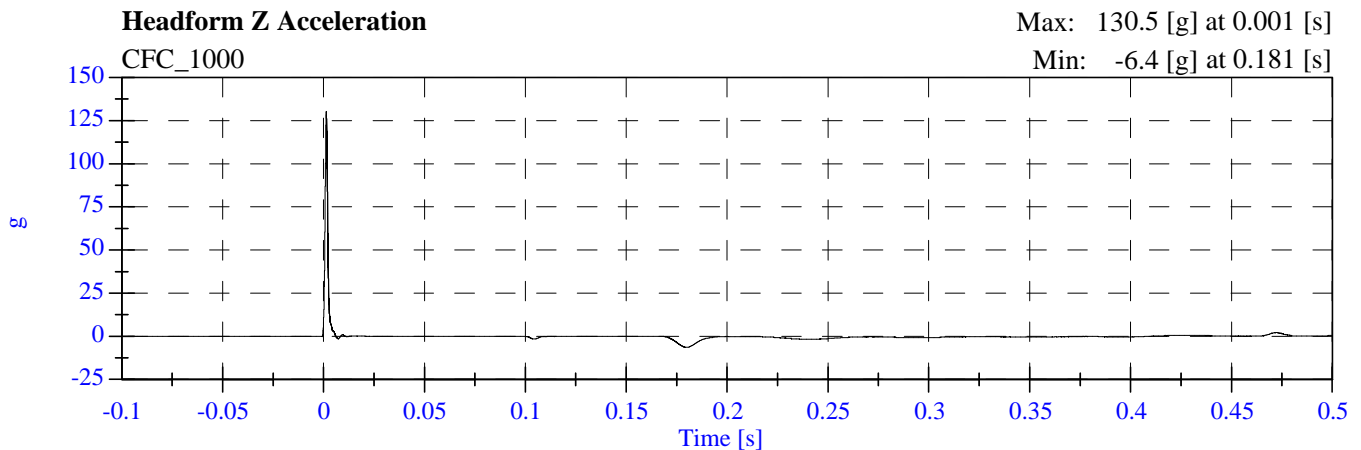
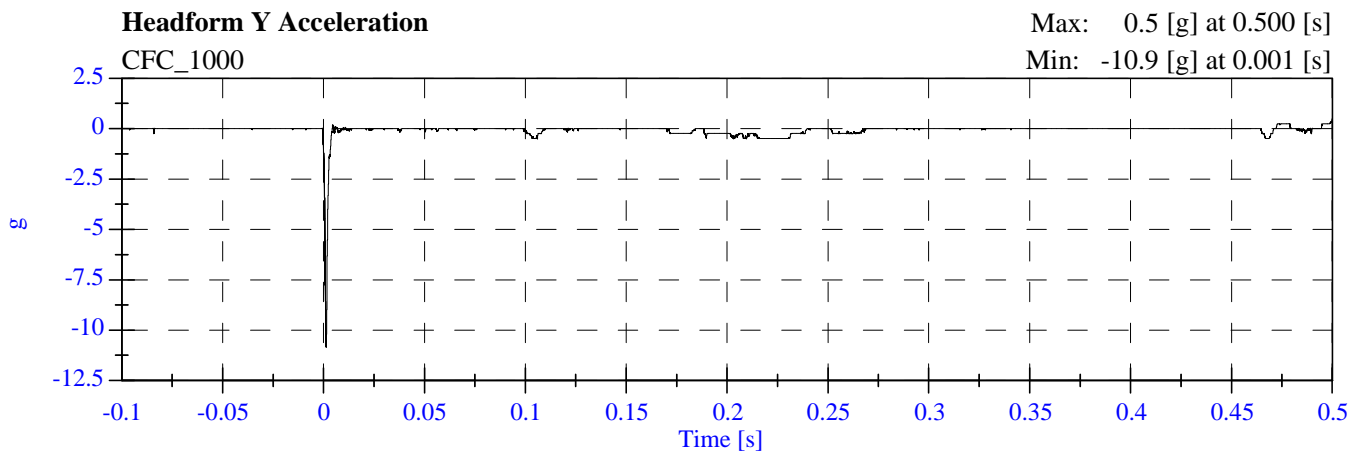
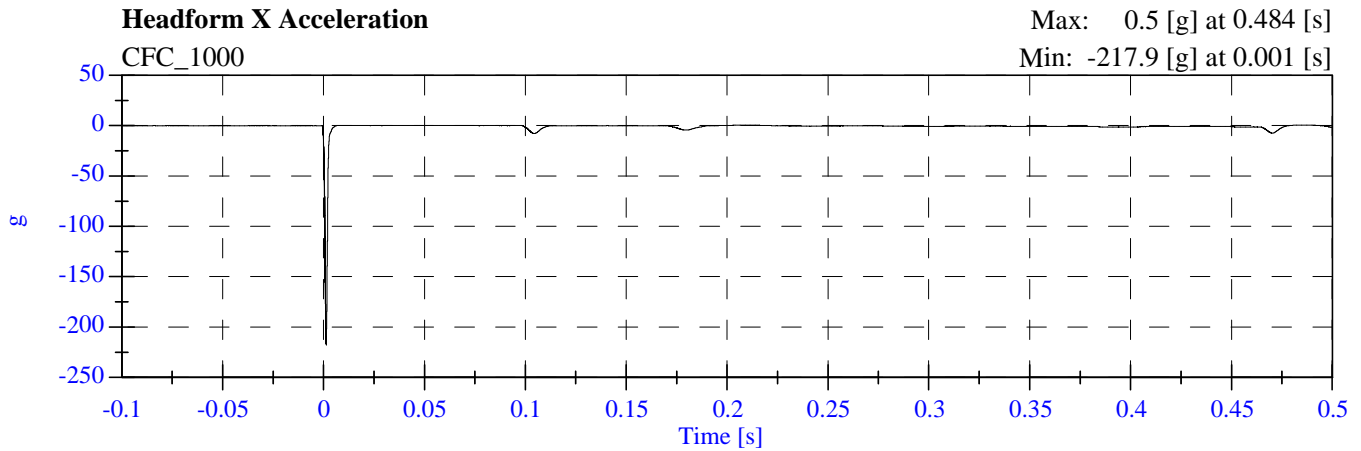
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J28671	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J32779	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J25854	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 0355 - June 01, 2006



**PART 572L
HEAD DROP POST-TEST**

MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		1255	
CALIBRATION DATE:		JUNE 1, 2006	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	23	
RELATIVE HUMIDITY	10% to 70%	42	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	259.3	
PEAK LATERAL ACCELERATION	15 Gs Maximum	8.0	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 - LONGITUDINAL	ENDEVCO	7264-2000T	J41006	3/9/2006	9/9/2006
2 - LATERAL	ENDEVCO	7264-2000T	J40994	3/9/2006	9/9/2006
3 - VERTICAL	ENDEVCO	7264-2000T	J41007	3/9/2006	9/9/2006

REMARKS:

FMVSS 201U - Headform Calibration Drops

FMH 1255 - June 01, 2006

