

REPORT NUMBER: 201UI-CAL-10-02

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

**FORD MOTOR COMPANY
2010 FORD TRANSIT CONNECT**

NHTSA NUMBER: CA0214

CALSPAN TEST NUMBER: CC2010-02

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



Test Date: January 15, 2010

FINAL REPORT

PREPARED FOR:

U. S. DEPARTMENT OF TRANSPORTATION
National Highway Traffic Safety Administration
Enforcement
Office of Vehicle Safety Compliance
Mail Code: NVS-220, West Building 4th Floor
1200 New Jersey Avenue, SE
Washington, DC 20590

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TECHNICAL REPORT STANDARD TITLE PAGE

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16. <i>Abstract</i> Compliance tests were conducted on the subject vehicle, a 2010 Ford Transit Connect, 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. DTNH22-09-D-00130. The purpose of this head impact compliance test was to determine whether the subject vehicle, a 2010 Ford Transit Connect, NHTSA No. CA0214, meets 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 2010 Ford Transit Connect, NHTSA No. CA0214, was tested at various upper interior locations by a 4.54 kg 50th percentile headform. A total of twelve (12) impacts were performed in this test series. The target area impacts were chosen by the NHTSA Contracting Officer's Technical Representative (COTR). A summary of test results can be found on Data Sheet 2-1, Summary of Upper Interior Head Impact Tests. The twelve (12) area chosen for testing were:

OP2	UROP	SD	BP2	BP1
SR2B	AP3	AP1	URBP	SR3
SR2B	AP2			

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:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09 (SEE CERTIFICATION LABEL)
COLOR:	White

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	2770.058	-629.931	1682.378	2771.021	628.304	1684.468	142	41	23.79	848.3	806.4
AP2	2625.023	-668.368	1594.311	2626.307	666.189	1594.444	Relocated 1 circle		-	-	-
AP2 R1	2618.323	-669.930	1568.996	2618.286	664.601	1570.876	136	4	23.67	634.4	645.8
AP3	2424.560	-677.272	1449.381	2426.446	674.644	1450.654	134	18	23.55	416.1	480.3
BP1	3340.074	-551.879	1827.493	3334.725	551.814	1823.868	90	11	23.49	596.5	616.4
BP2	3323.163	-647.227	1442.607	3320.336	647.269	1440.368	90	5	23.36	630.4	615.0
BP3	3283.422	-673.093	1498.297	3284.523	673.435	1497.650	-	-	-	-	-
BP4	3366.364	-698.411	1332.615	3365.726	696.098	1331.809	-	-	-	-	-
FH1	2675.794	-510.579	1700.913	2678.338	507.482	1702.057	Relocated 2 circles		-	-	-
FH1 R2	2714.672	-503.420	1687.786	2716.353	485.137	1690.357	-	-	-	-	-
FH2	2650.699	-364.858	1700.122	2652.754	359.747	1702.655	Relocated 2 circles		-	-	-
FH2 R2	2688.561	-359.061	1685.850	2692.674	354.319	1689.204	-	-	-	-	-
OP2 R12	4312.071	-624.120	1805.170	4326.431	624.566	1795.993	90	9	23.76	754.3	735.5
OP1	4311.996	-703.478	1515.552	4310.904	697.210	1520.122	Relocated 12 circles		-	-	-
OP2	4311.910	-716.012	1552.198	4303.731	709.727	1557.943	Relocated 12 circles		-	-	-
SD	3810.512	-575.285	1927.541	3811.140	574.354	1926.186	90	5	23.88	625.3	638.1
SR1	2919.660	-588.973	1679.740	2920.864	587.809	1682.276	-	-	-	-	-
SR2A	3069.282	-570.234	1818.479	3070.918	568.474	1817.070	-	-	-	-	-
SR2B	3039.451	-571.274	1808.876	3035.069	571.583	1806.983	90	11	23.35	1093.7	991.6
							270	14	23.40	1008.6	927.3
SR3	3490.074	-552.764	1886.175	3485.293	548.813	1878.082	270	6	23.52	609.0	625.9
URAP	2986.241	-432.385	1920.315	2993.669	435.406	1925.824	-	-	-	-	-
URBP	3334.278	-364.995	1963.358	3337.033	363.132	1965.519	270	50	23.70	873.2	825.2
URCGR	4039.979	-384.097	2016.172	4043.549	411.317	2014.490	-	-	-	-	-
UROP	4317.339	-364.943	1996.272	4323.328	356.302	1996.268	90	50	23.54	332.7	417.4
URSD	3927.660	-380.371	2012.463	3806.253	385.073	2008.562	-	-	-	-	-

*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:				2010 Ford Transit Connect					
VIN:				NM0KS9BNXAT017711					
Month & Year of Manufacture:				09/09 (SEE CERTIFICATION LABEL)					
Vehicle Body Color:				White					
Engine Data:	4	Cylinders;	-	CID;	2.0	Liters;	-	cc	
Engine Placement:		x	Longitudinal;	or		-	Lateral		
Transmission:	4	Speed;	-	Manual;	x	Automatic;	x	Overdrive	
Final Drive:		Rear Wheel Drive;	x	Front Wheel Drive;	-	Four Wheel Drive			
Odometer Reading:				km					
Options:	x	A/C;	x	Power Steering;	x	Pwr.Brakes;	-	Pwr. Windows	
Interior Trim Information :									
1. Adjustable seat belt anchorages on both B-pillars									
2. No-adjustable seat belt anchorages on both Other Pillars									
3. Roof shelf located near front header / A-pillar area									

DATA FROM TIRE PLACARD:									
Tire Pressure (at capacity);				250		kPa FRONT			
				340		kPa REAR			
Recommended Tire Size:				P205/65R15					
Tires on Test Vehicle:		P205/65R15		Manufacturer:			Continental		
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)=				647		kg (A)			
No. of Occupants x 68 kg. =				340		kg (B)			
Rated Cargo/Luggage Weight (RCLW) =				307		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	=	447.0	kg	Left Rear	=	345.0	kg
Right Front	=	429.5	kg	Right Rear	=	351.0	kg
TOTAL FRONT	=	876.5	kg	TOTAL REAR	=	696.0	kg
% of Total Weight	=	55.7%	%	% of Total Weight	=	44.3%	%
TOTAL WEIGHT	=	1572.5				kg	

CALCULATION OF VEHICLE'S TARGET TEST WEIGHT:		
Total Test Vehicle Delivered Weight=	1572.5	kg (A)
+ Rated Cargo/Luggage Weight =	136.0	kg (B)
TEST VEHICLE TARGET WEIGHT =	1708.5	kg (A+B)

WEIGHT OF TEST VEHICLE (FULLY LOADED):							
Left Front	=	448.5	kg	Left Rear	=	410.5	kg
Right Front	=	430.0	kg	Right Rear	=	414.0	kg
TOTAL FRONT	=	878.5	kg	TOTAL REAR	=	824.5	kg
% of Total Weight	=	51.6%	%	% of Total Weight	=	48.4%	%
TOTAL TEST WEIGHT	=	1703.0					
Weight of vehicle secured in test vehicles cargo area	=	130.5				kg	

TEST VEHICLE ATTITUDE (all dimensions in millimeters):				
AS DELIVERED:	Left Front	742	Left Rear	807
	Right Front	742	Right Rear	805
FULLY LOADED:	Left Front	739	Left Rear	789
	Right Front	739	Right Rear	787
Test Vehicle Wheelbase:	2919		millimeters	

TEST VEHICLE PITCH AND ROLL ANGLES:				
AS DELIVERED:	PITCH ANGLES		ROLL ANGLES	
	Left Door Sill	↑1.4↓	Front Bumper	↑0.1↓
	Right Door Sill	↓1.3↑	Rear Bumper	0.0
FULLY LOADED:	PITCH ANGLES		ROLL ANGLES	
	Left Door Sill	↑1.1↓	Front Bumper	↑0.1↓
	Right Door Sill	↓1.0↑	Rear Bumper	0.0
AS TESTED:	PITCH ANGLES		ROLL ANGLES	
	Left Door Sill	↑1.4↓	Front Bumper	↑0.1↓
	Right Door Sill	↓1.2↑	Rear Bumper	0.0

DATA SHEET 2-3

APPROACH ANGLE LIMITS

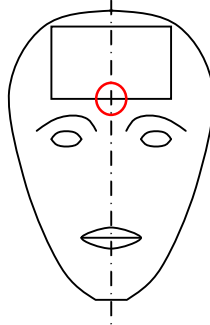
Target Code	Left Side				Target Code	Right Side			
	Horizontal Angles (deg.)		Vertical Angles (deg.)			Horizontal Angles (deg.)		Vertical Angles (deg.)	
	Minimum	Maximum	Minimum	Maximum		Minimum	Maximum	Minimum	Maximum
AP1	205	248	-5	41	AP1	112	155	-5	41
AP2	205	248	-5	4	AP2	112	155	-5	4
AP3	205	248	-5	18	AP3	112	155	-5	18
BP1	201	282	-10	11	BP1	78	159	-10	11
BP2		270	0	5	BP2		90	0	5
BP3	201	282	-10	-10	BP3	78	159	-10	-10
BP4	201	282	-10	5	BP4	78	159	-10	5
OP1		270	-10	9	OP1		90	-10	9
OP2		270	-10	9	OP2		90	-10	9
FH1		180	0	50	FH1		180	0	50
FH2		180	0	50	FH2		180	0	50
SD		270	0	5	SD		180	0	4
SR1		270	0	45	SR1		90	0	45
SR2A		270	0	6	SR2A		90	0	6
SR2B		270	0	14	SR2B		90	0	11
SR3		270	0	6	SR3		90	0	6
URAP		ANY	0	50	URAP		ANY	0	50
URBP		ANY	0	50	URBP		ANY	0	50
URSD		ANY	0	50	URSD		ANY	0	50
UROP		ANY	0	50	UROP		ANY	0	50

Note : BP2 target location – Seat belt anchorage

DATA SHEET 2-4

SUMMARY TARGET IMPACT LOCATION ON FMH

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White



ã RIGHT SIDE OF FACE

TARGET	Distance Above Point 0 (mm)	Distance Over From Pt. O (mm)
OP2	14	5R
UROP	41	6L
SD	3	3R
BP2	8	5R
BP1	18	2R
SR2B	10	4R
AP3	23	5L
AP1	26	5L
URBP	48	10L
SR3	16	31R
SR2B	25	10L
AP2	12	0

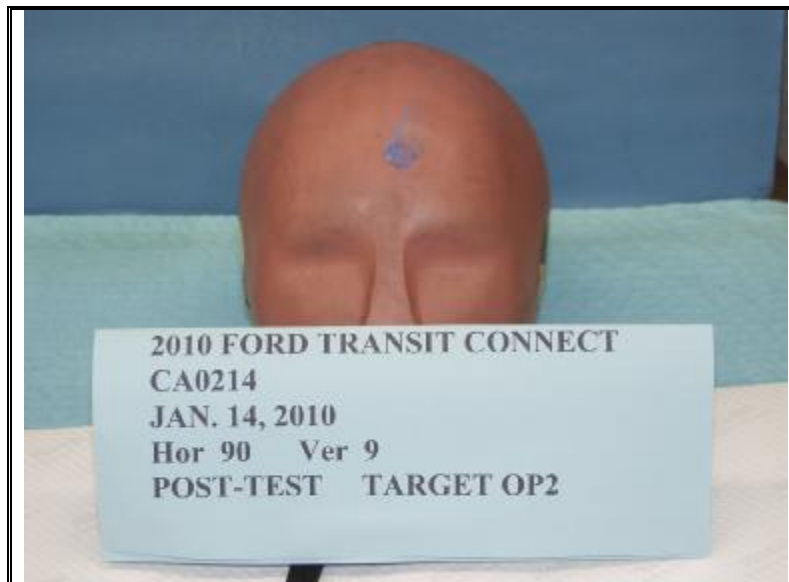
SECTION 3

SUMMARY OF TEST RESULTS AND DATA PLOTS

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	01
Test Date:	01/14/10
Target Location:	OTHER PILLAR
Target Code:	OP2
Horizontal Impact Angle:	90
Vertical Impact Angle:	9
Ambient Temperature:	21°C
Relative Humidity:	21
Time of Impact:	10:50
Headform Number:	1142

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	14				mm up



POST-IMPACT OP2 HEADFORM

Free Motion HIC	754.3
HIC(d)	735.5
Impact Velocity (kph)	23.76
HIC T1 (msec)	5.6
HIC T2 (msec)	12.2

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - OP2

FMH Headform 1142

Location: OP2

Test Date: January 14, 2010

Work File: OP2

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

Lab Temperature: 21 C

HICd: 735.5

Lab Humidity: 21 %

HIC (36ms): 754.3

Velocity at Impact: 23.76 KPH

t1: 5.6 msec

t2: 12.2 msec

Free Flight Distance: 223.14 mm

Duration: 6.5 msec

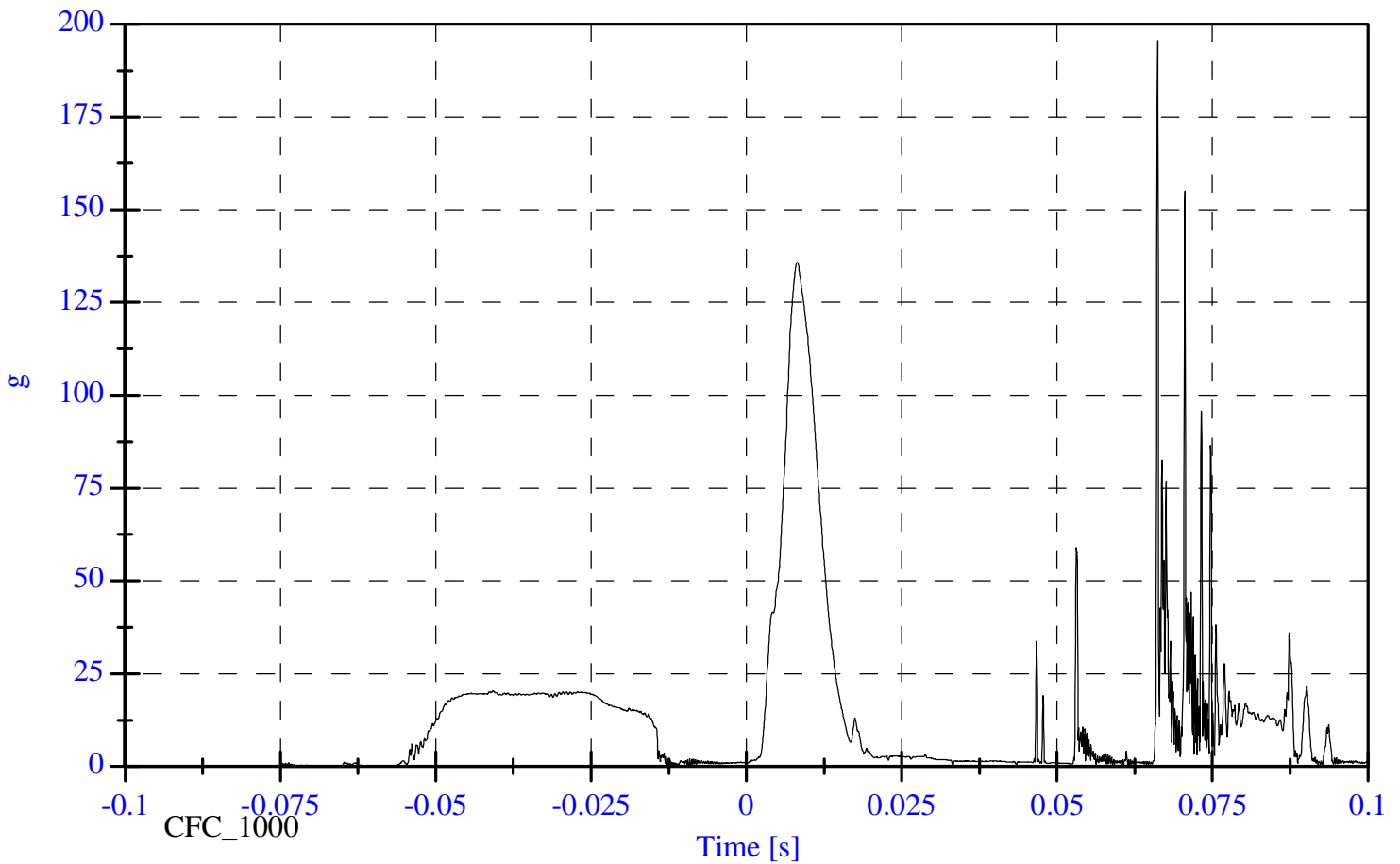
Maximum: 135.8 g

Average Acceleration: 11.8 g

FMVSS 201U 2010 FORD TRANSIT CONNECT
Headform Resultant

Max: 135.8 [g] at 0.008 [s]

Min: 0.0 [g] at -0.083 [s]

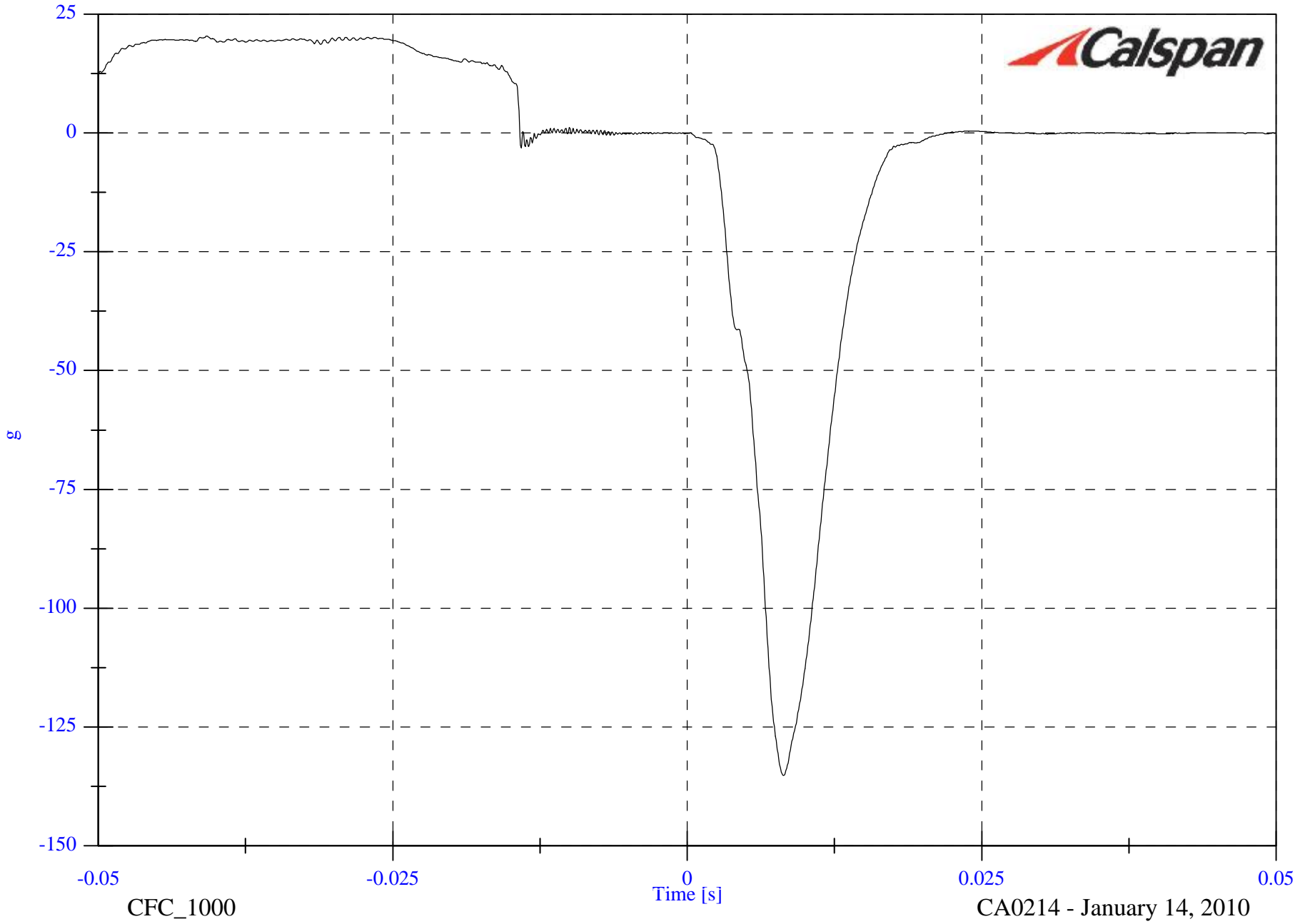


FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

Max: 20.3 [g] at -0.041 [s]

Min: -135.1 [g] at 0.008 [s]



CA0214 PASSENGER SIDE OP2 IMPACT PLOT #1

CC2010-02

CFC_1000

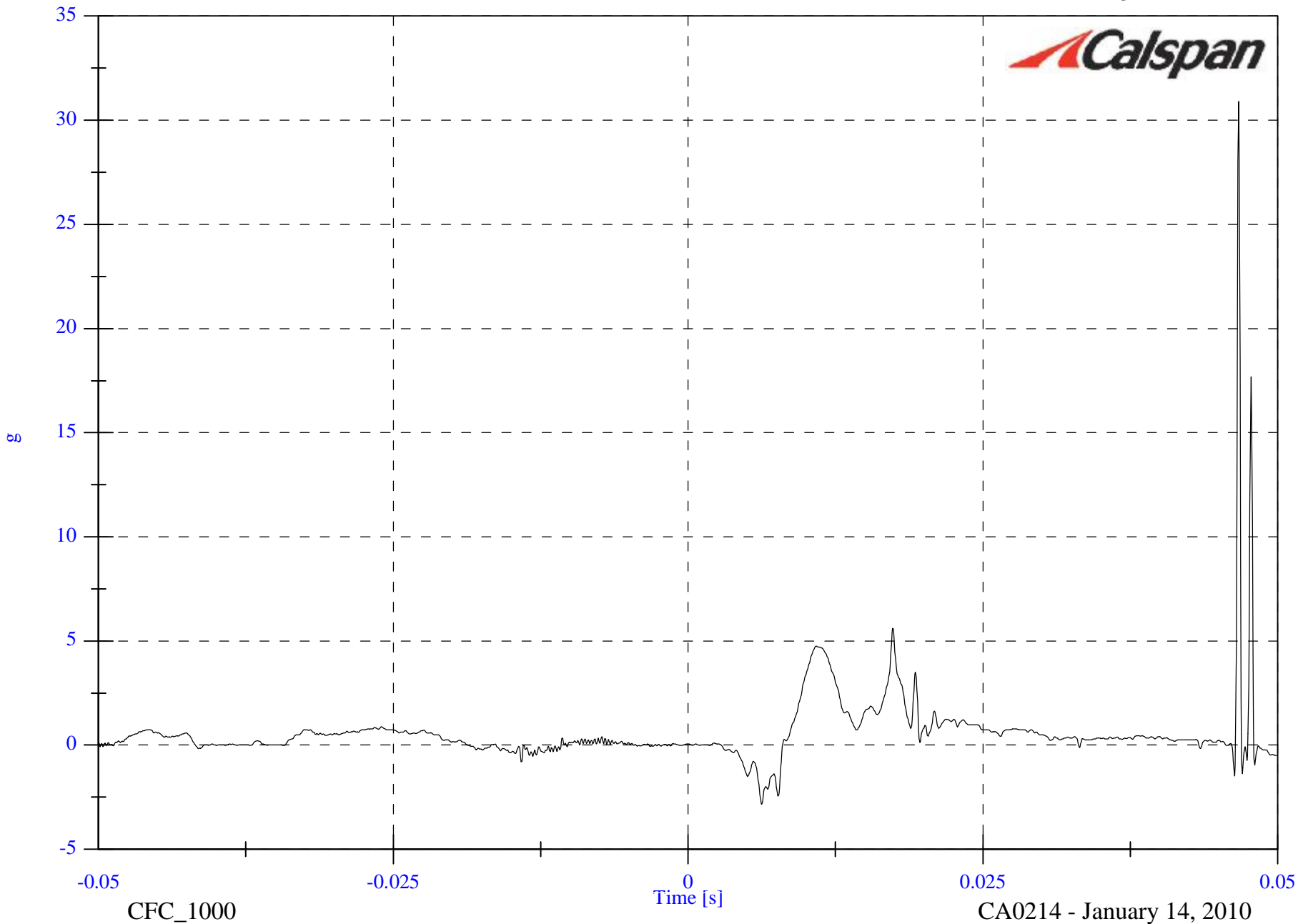
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FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

Max: 30.9 [g] at 0.047 [s]

Min: -2.8 [g] at 0.006 [s]



CA0214 PASSENGER SIDE OP2 IMPACT PLOT #2

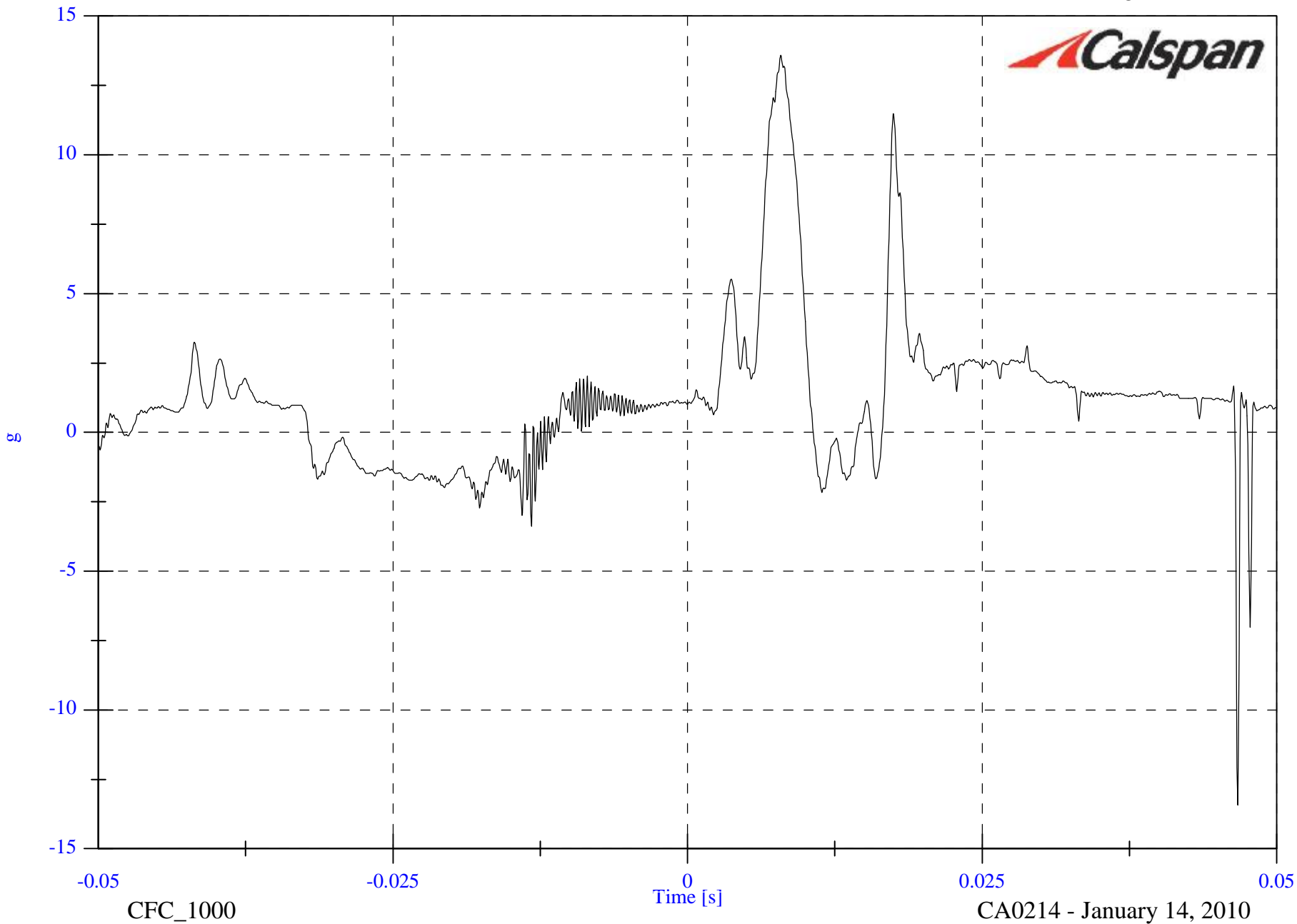
CC2010-02

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

Max: 13.6 [g] at 0.008 [s]

Min: -13.4 [g] at 0.047 [s]



CA0214 PASSENGER SIDE OP2 IMPACT PLOT #3

CC2010-02

CFC_1000

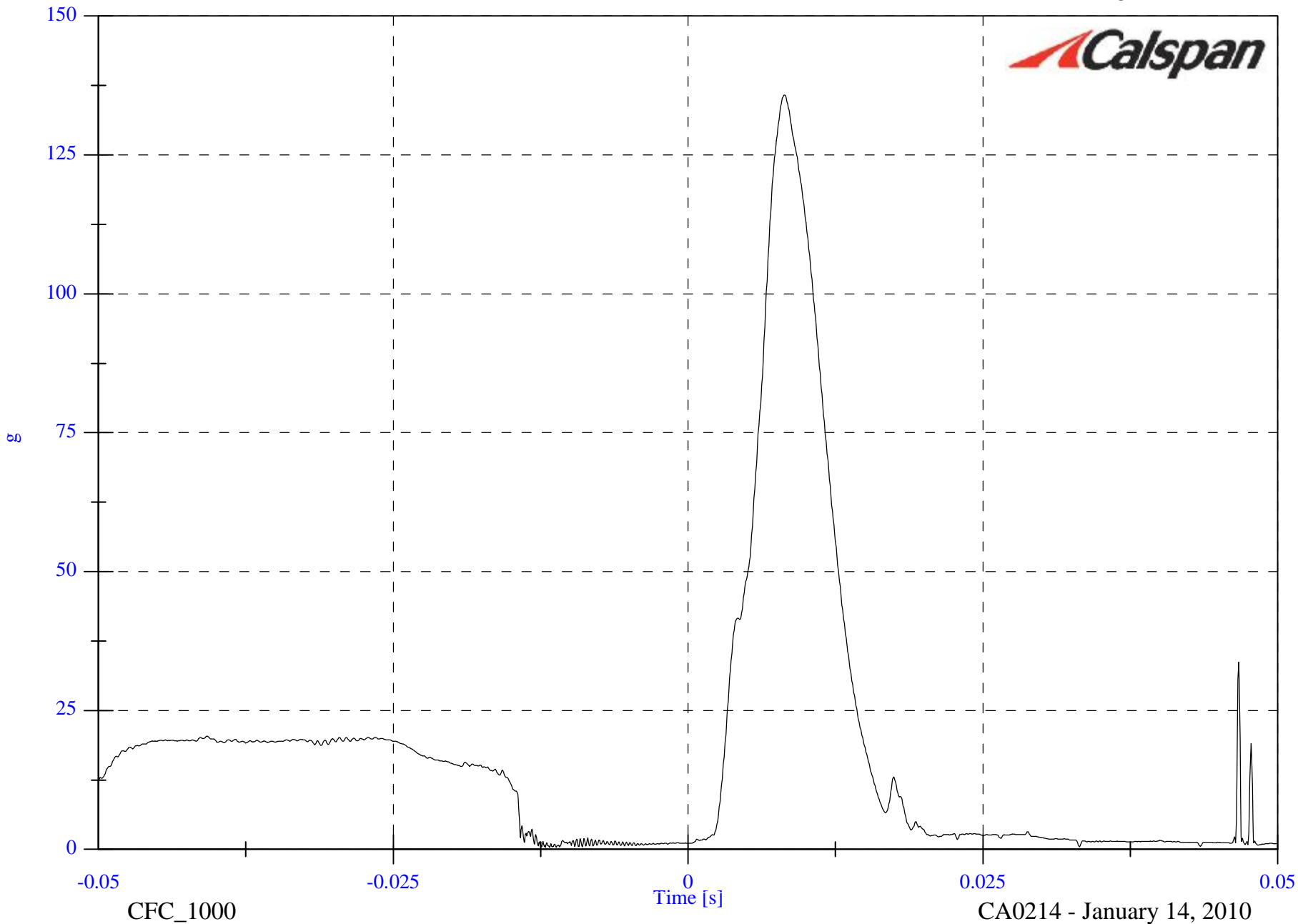
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 135.8 [g] at 0.008 [s]

Min: 0.3 [g] at -0.012 [s]



CA0214 PASSENGER SIDE OP2 IMPACT PLOT #4

CC2010-02

CFC_1000

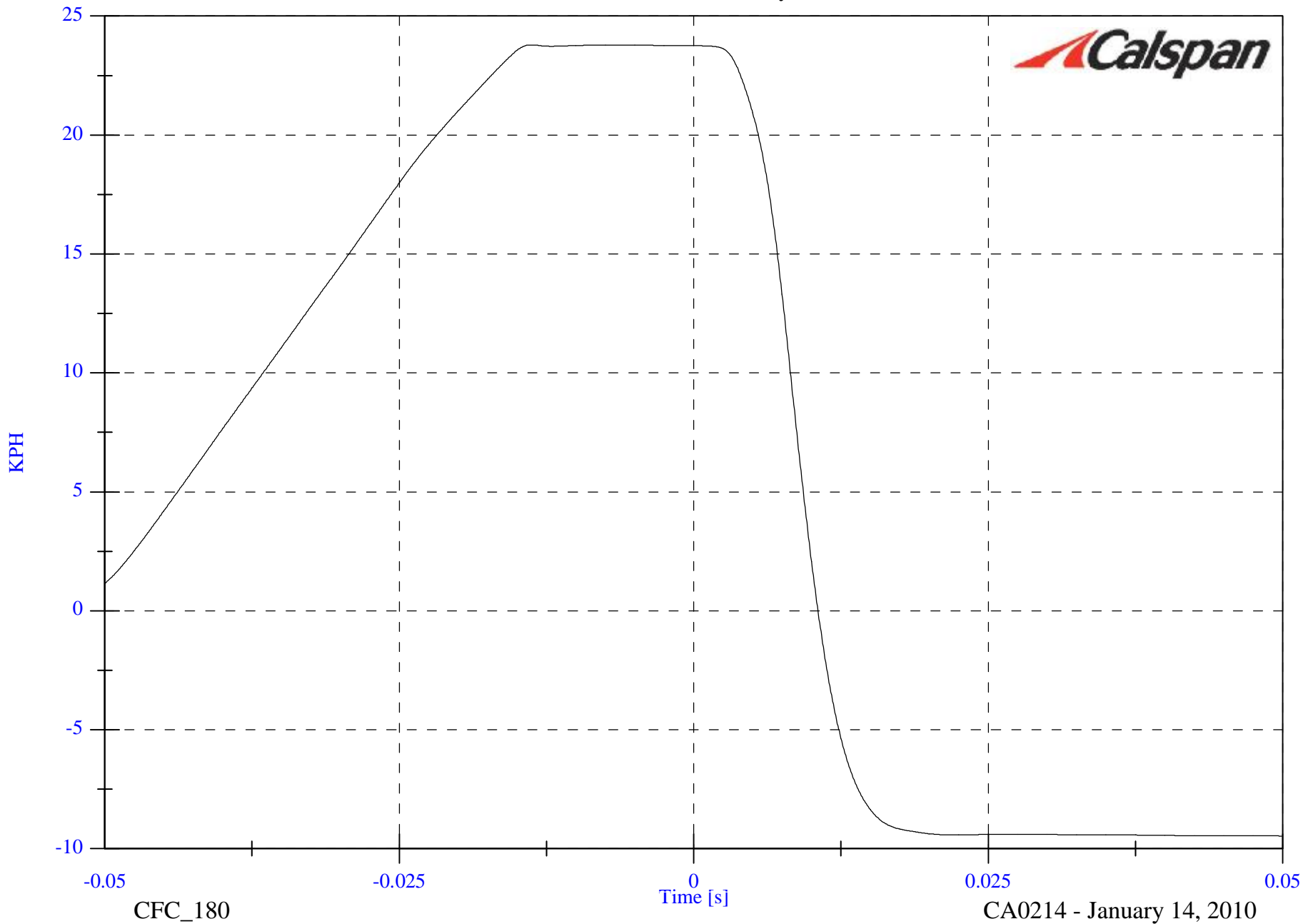
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Max: 23.8 [KPH] at -0.014 [s]

Headform Velocity

Min: -9.5 [KPH] at 0.050 [s]

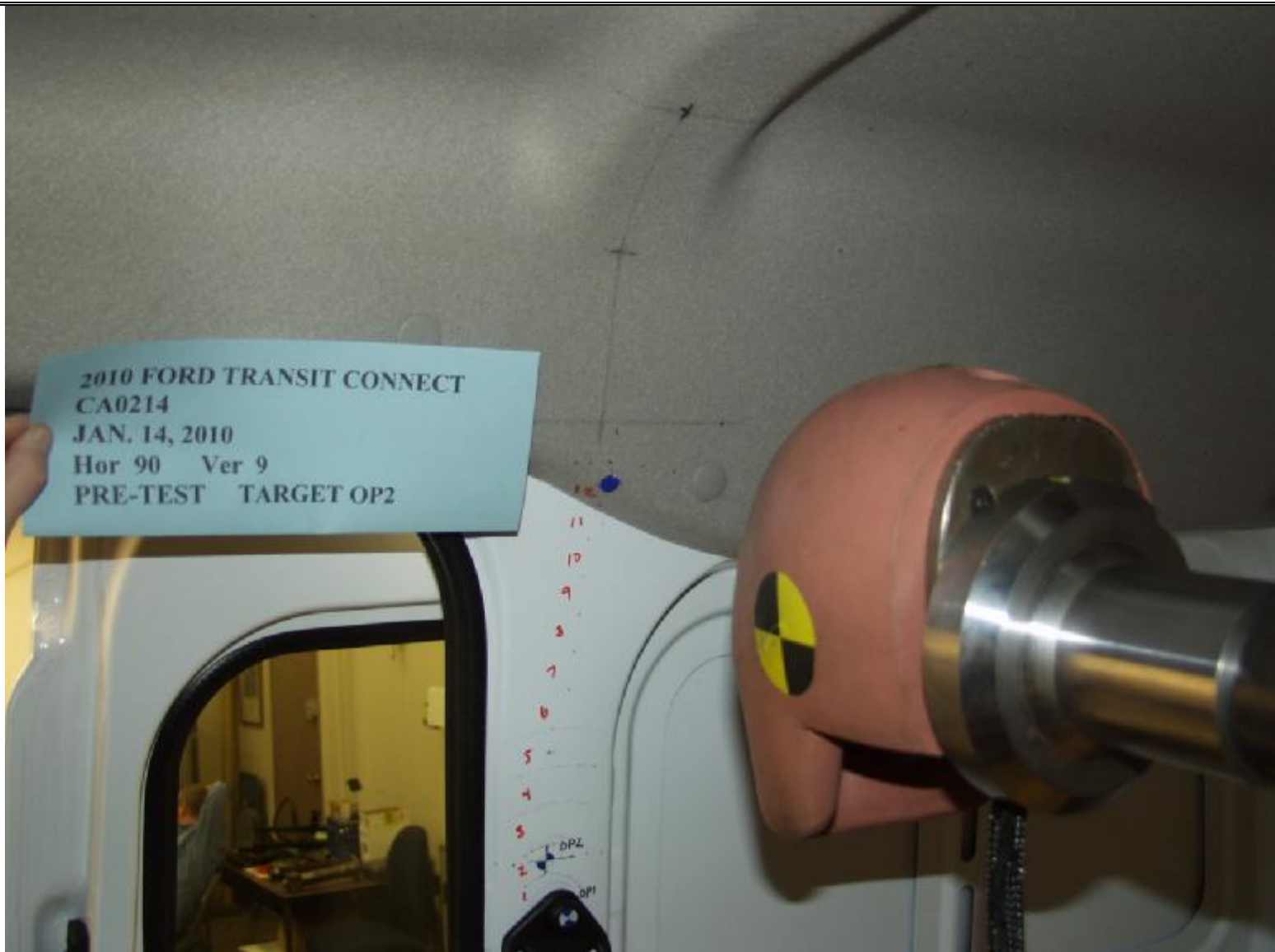


CA0214 PASSENGER SIDE OP2 IMPACT PLOT #5

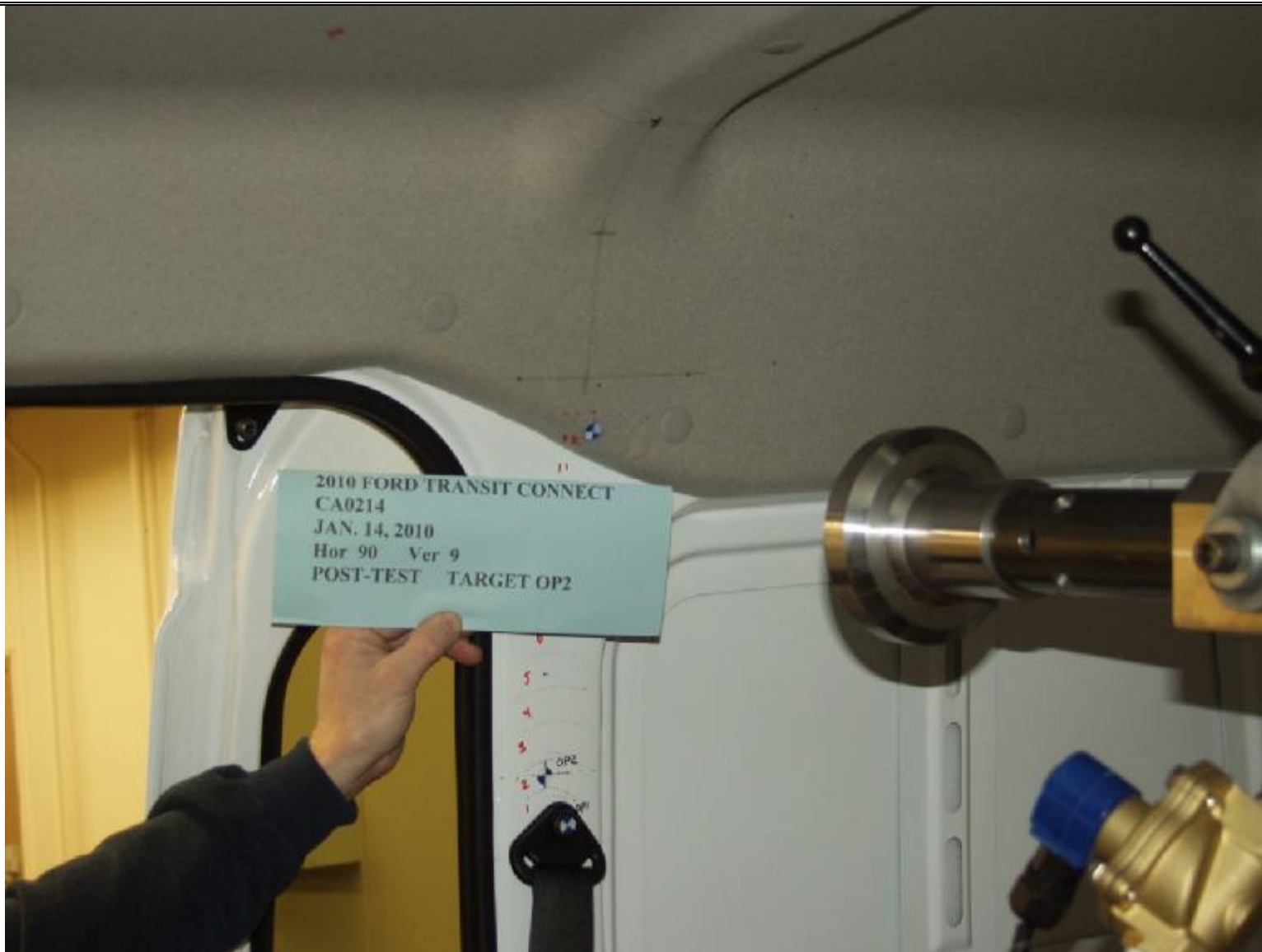
CC2010-02

CFC_180

CA0214 - January 14, 2010



PRE-IMPACT OP2



POST-IMPACT OP2

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	02
Test Date:	01/14/10
Target Location:	UPPER ROOF
Target Code:	UROP
Horizontal Impact Angle:	90
Vertical Impact Angle:	50
Ambient Temperature:	21°C
Relative Humidity:	21
Time of Impact:	11:20
Headform Number:	62

Impact Point Description (from lower midpoint on midsagittal line)					
On Centerline	6	<input type="checkbox"/>	mm right	<input checked="" type="checkbox"/>	mm left
On Centerline	41				mm up



POST-IMPACT UROP HEADFORM

Free Motion HIC	332.7
HIC(d)	417.4
Impact Velocity (kph)	23.54
HIC T1 (msec)	2.2
HIC T2 (msec)	7.4

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - UROP

FMH Headform 0062

Location: UROP

Test Date: January 14, 2010

Work File: UROP

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

Lab Temperature: 21 C

HICd: 417.4

Lab Humidity: 21 %

HIC (36ms): 332.7

Velocity at Impact: 23.54 KPH

t1: 2.2 msec

t2: 7.4 msec

Free Flight Distance: 219.86 mm

Duration: 5.3 msec

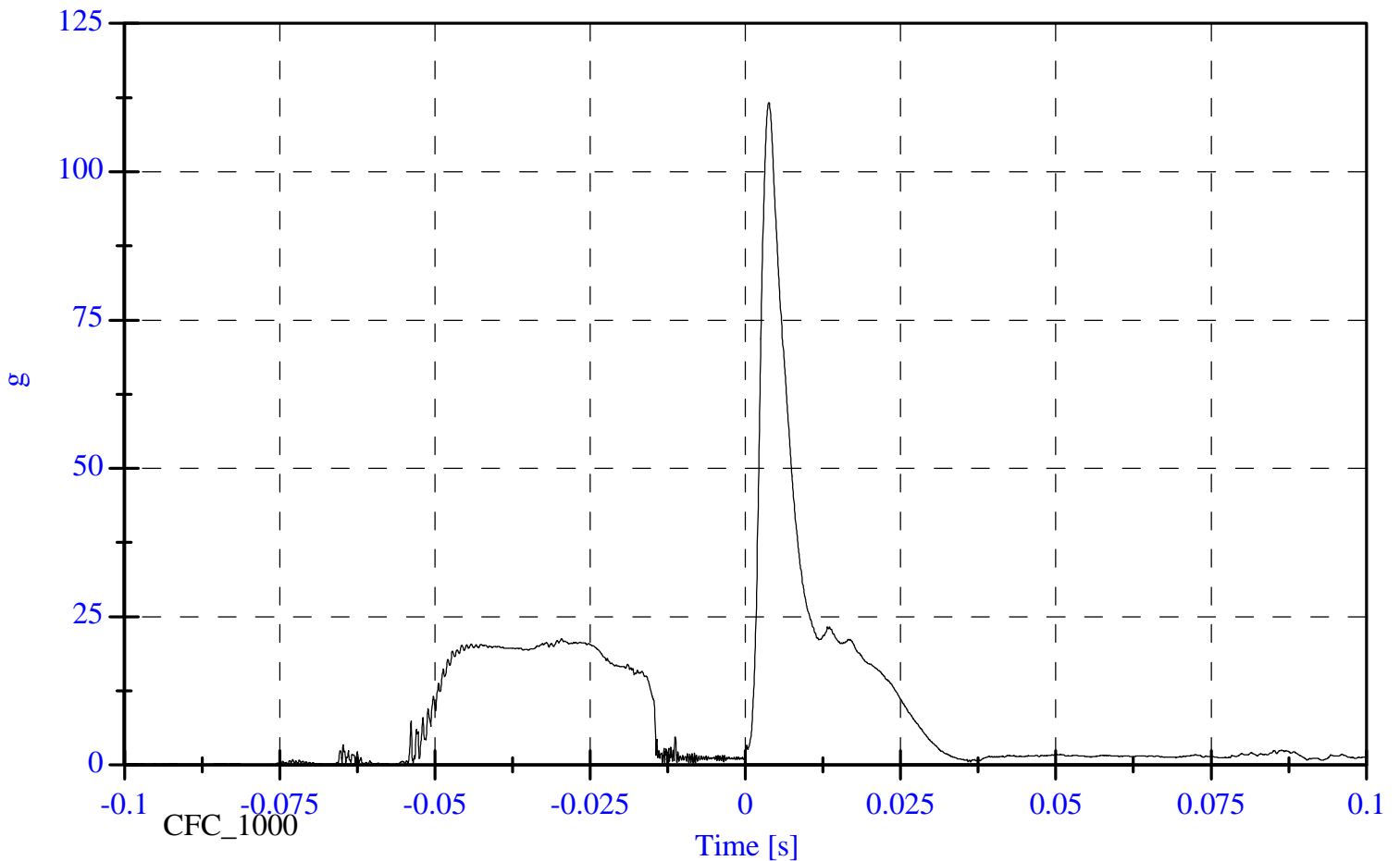
Average Acceleration: 8.5 g

Maximum: 111.7 g

FMVSS 201U 2010 FORD TRANSIT CONNECT
Headform Resultant

Max: 111.7 [g] at 0.004 [s]

Min: 0.0 [g] at -0.090 [s]



FMVSS 201U 2010 FORD TRANSIT CONNECT

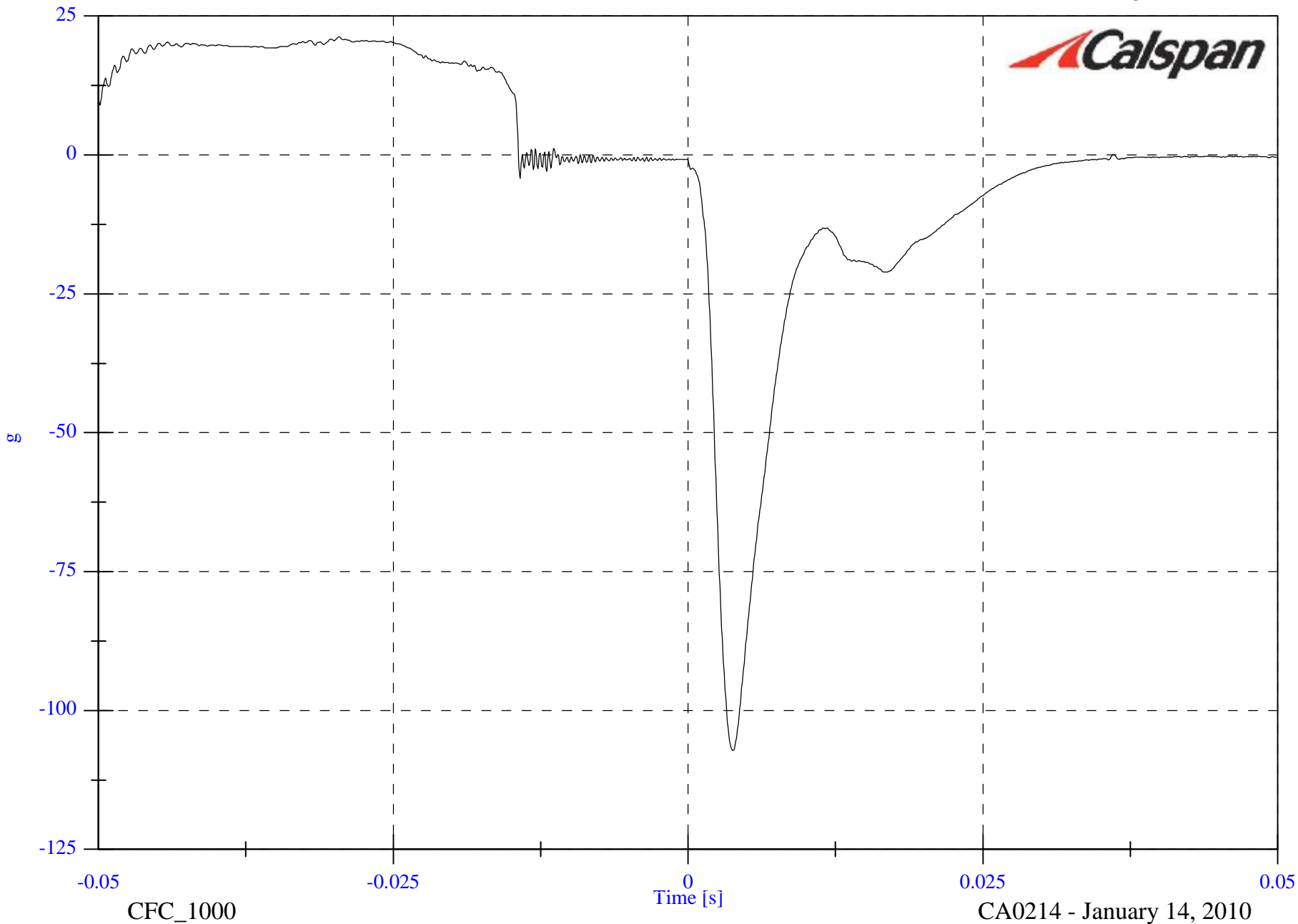
Headform X Acceleration

Max: 21.2 [g] at -0.030 [s]

Min: -107.2 [g] at 0.004 [s]



CA0214 PASSENGER SIDE UROP IMPACT PLOT #1



CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

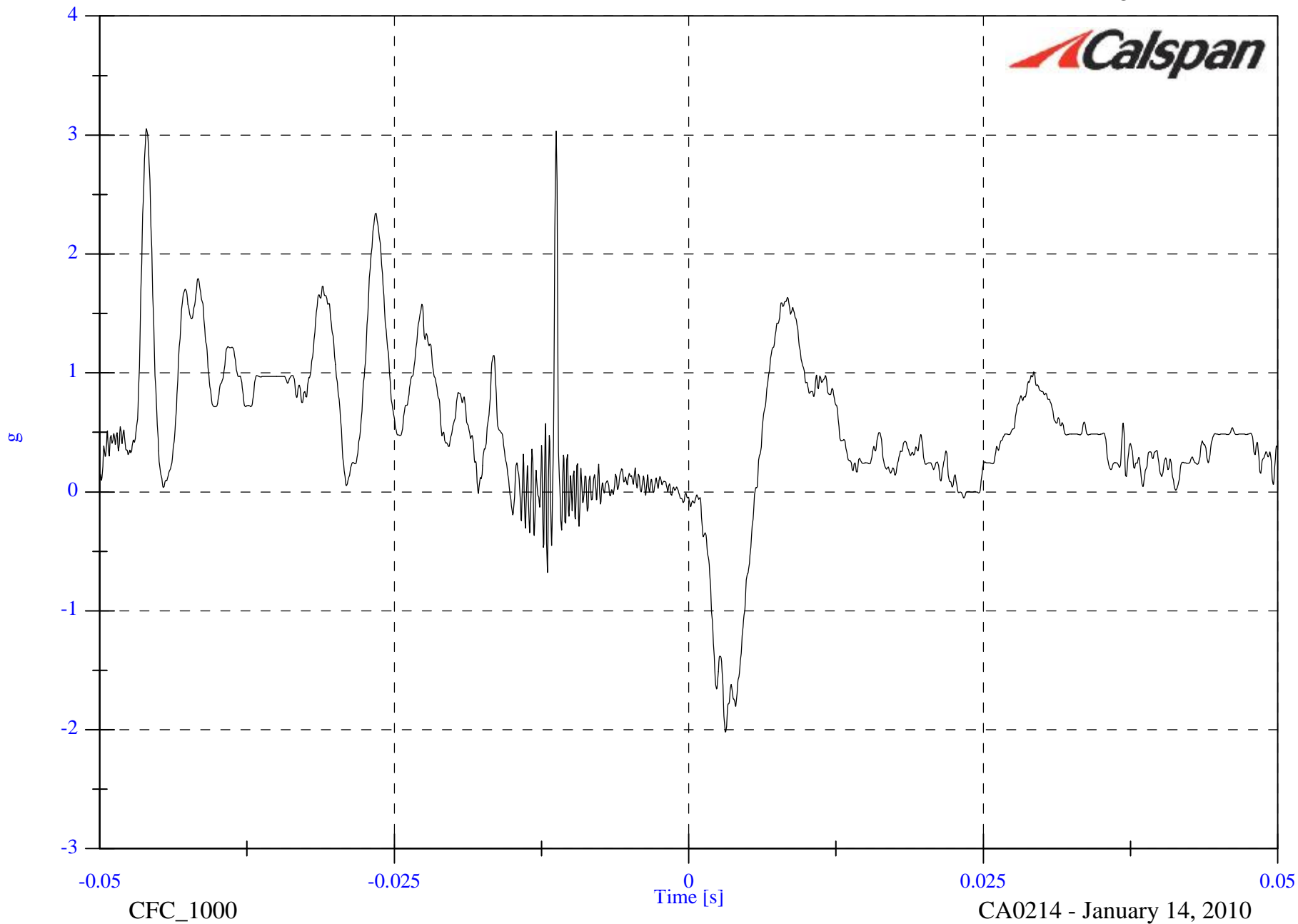
Headform Y Acceleration

Max: 3.1 [g] at -0.046 [s]

Min: -2.0 [g] at 0.003 [s]



CA0214 PASSENGER SIDE UROP IMPACT PLOT #2



CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

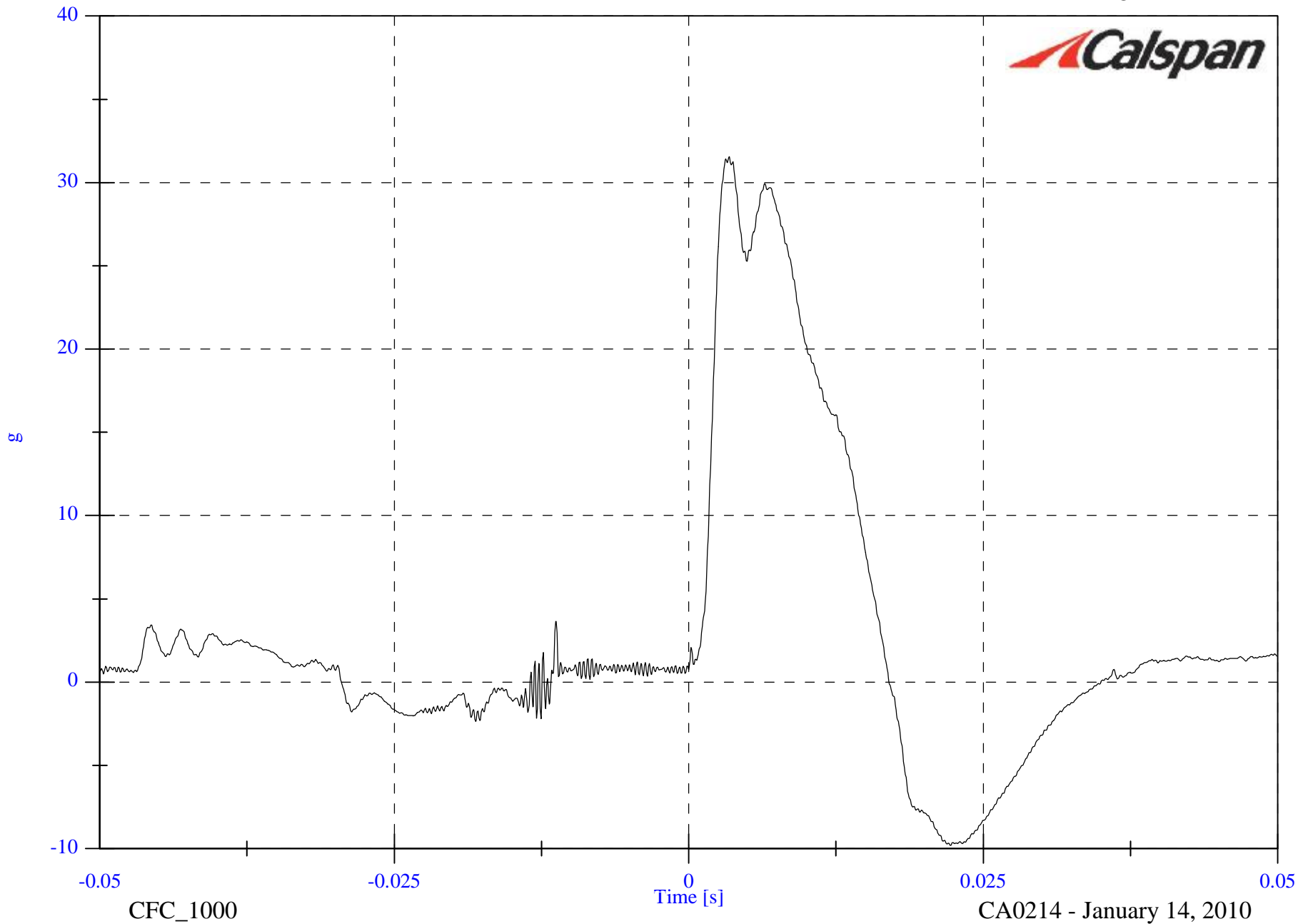
Headform Z Acceleration

Max: 31.6 [g] at 0.003 [s]

Min: -9.8 [g] at 0.022 [s]



CA0214 PASSENGER SIDE UROP IMPACT PLOT #3



CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

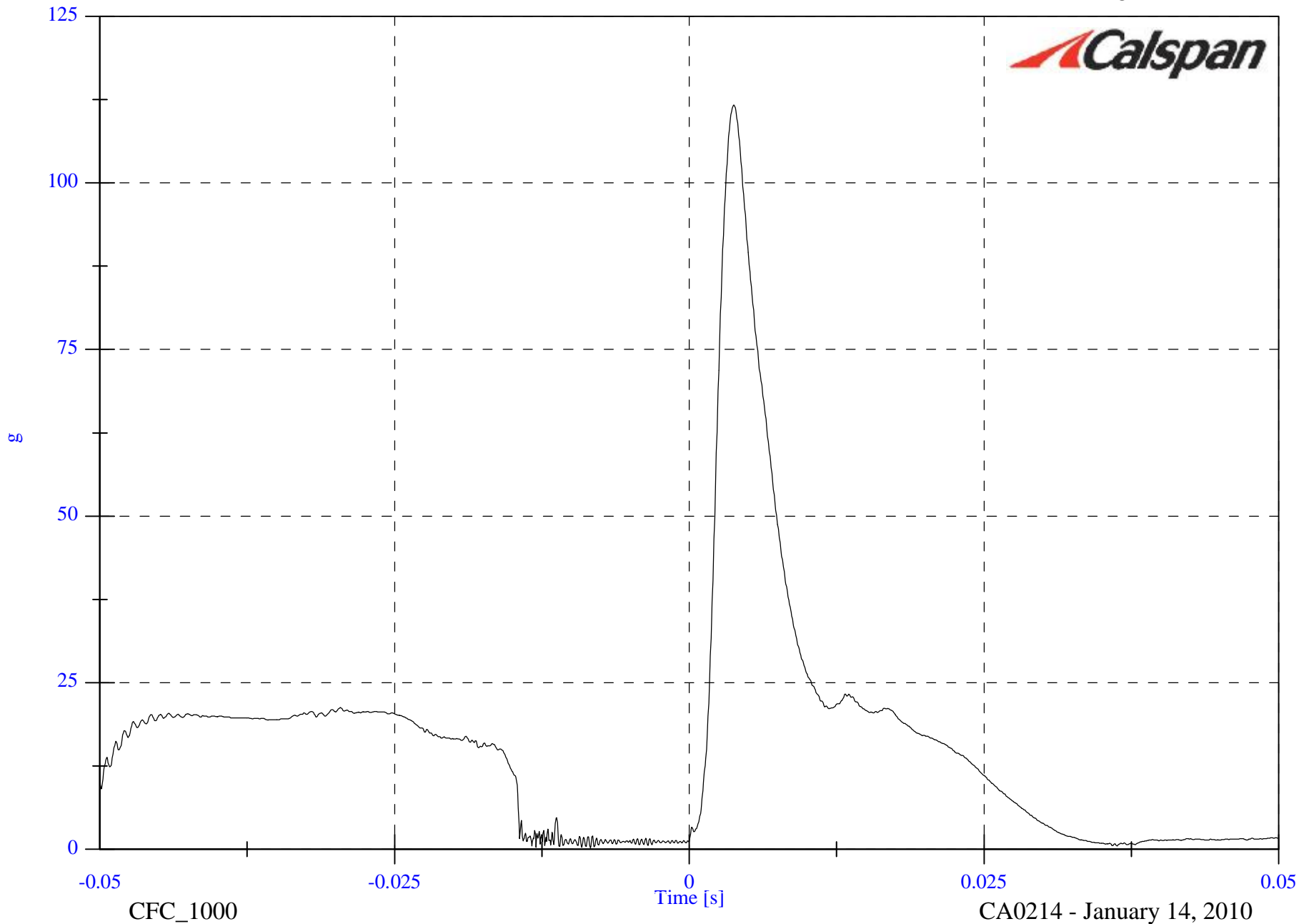
Headform Resultant

Max: 111.7 [g] at 0.004 [s]

Min: 0.2 [g] at -0.008 [s]



CA0214 PASSENGER SIDE UROP IMPACT PLOT #4



CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

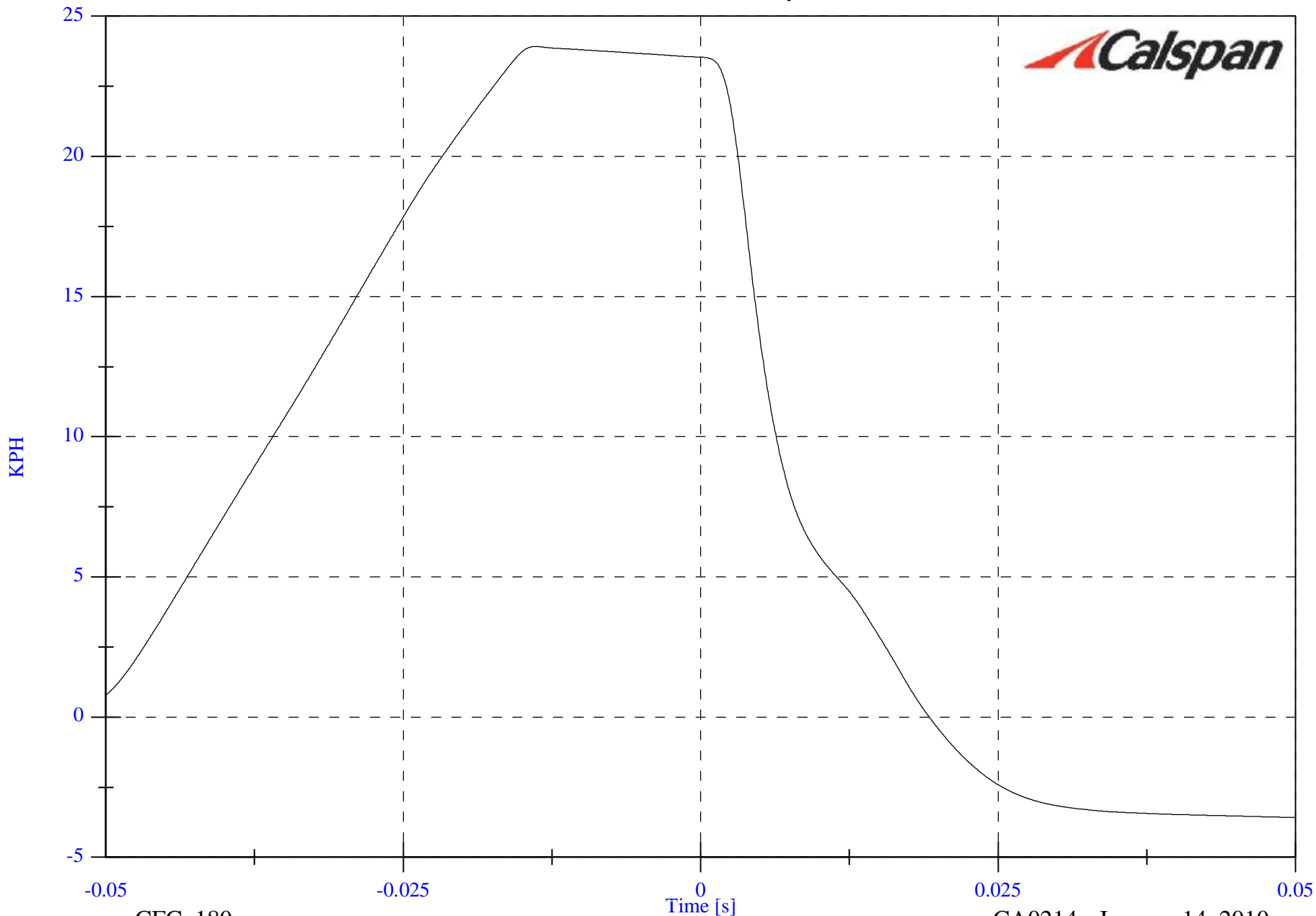
Headform Velocity

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

Min: -3.6 [KPH] at 0.050 [s]

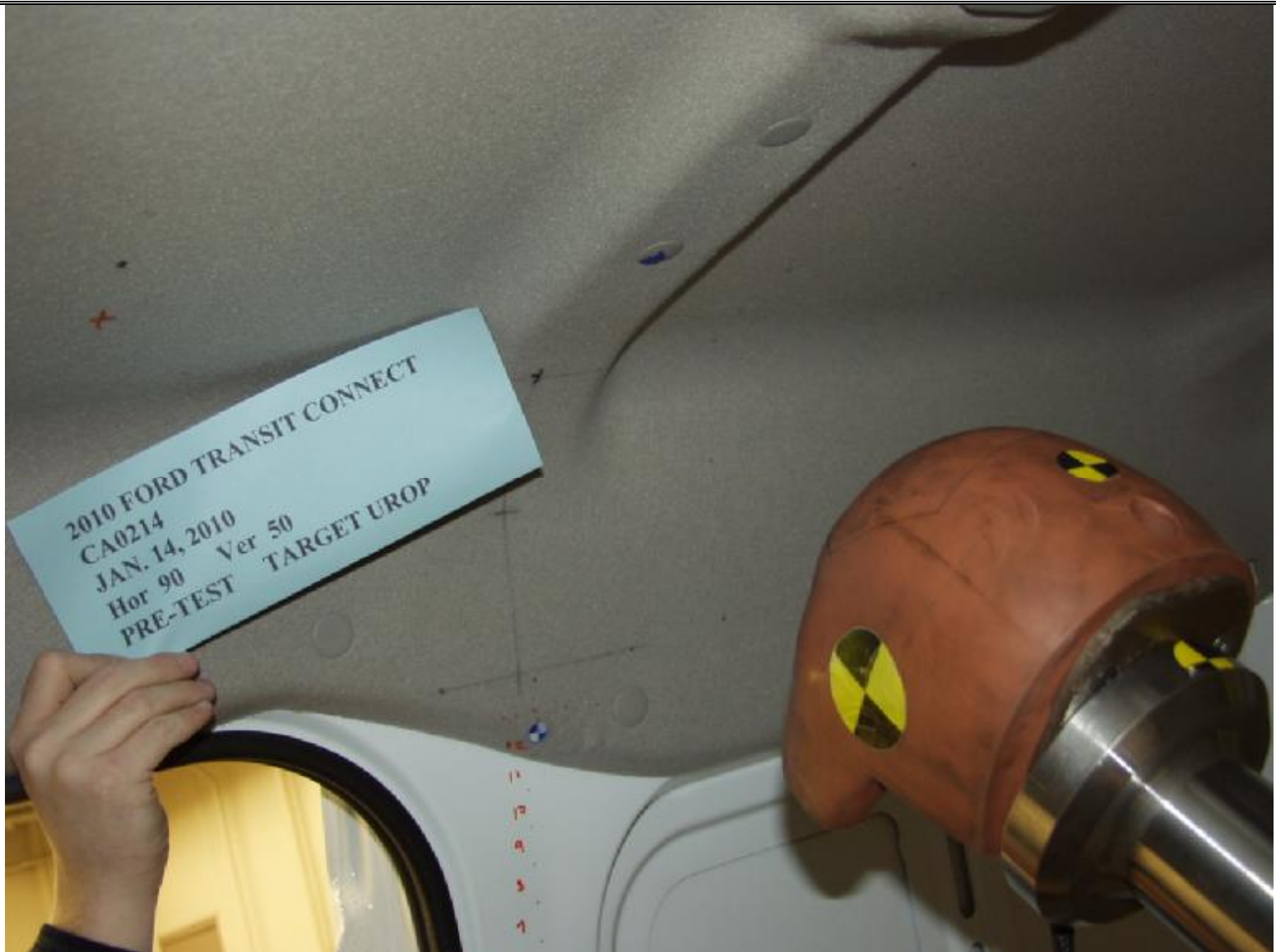


CA0214 PASSENGER SIDE UROP IMPACT PLOT #5



CFC_180

CA0214 - January 14, 2010



PRE-IMPACT UROP



POST-IMPACT UROP

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	03
Test Date:	01/14/10
Target Location:	SLIDING DOOR
Target Code:	SD
Horizontal Impact Angle:	90
Vertical Impact Angle:	5
Ambient Temperature:	21°C
Relative Humidity:	21
Time of Impact:	11:45
Headform Number:	805

Impact Point Description (from lower midpoint on midsagittal line)					
On Centerline	3	<input checked="" type="checkbox"/>	mm right	<input type="checkbox"/>	mm left
On Centerline	3				mm up



POST-IMPACT SD HEADFORM

Free Motion HIC	625.3
HIC(d)	638.1
Impact Velocity (kph)	23.88
HIC T1 (msec)	3.8
HIC T2 (msec)	13.1

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - SD

FMH Headform 0805

Location: SD

Test Date: January 14, 2010

Work File: SD

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

Lab Temperature: 21 C

HICd: 638.1

Lab Humidity: 21 %

HIC (36ms): 625.3

Velocity at Impact: 23.88 KPH

t1: 3.8 msec

t2: 13.1 msec

Free Flight Distance: 220.63 mm

Duration: 9.2 msec

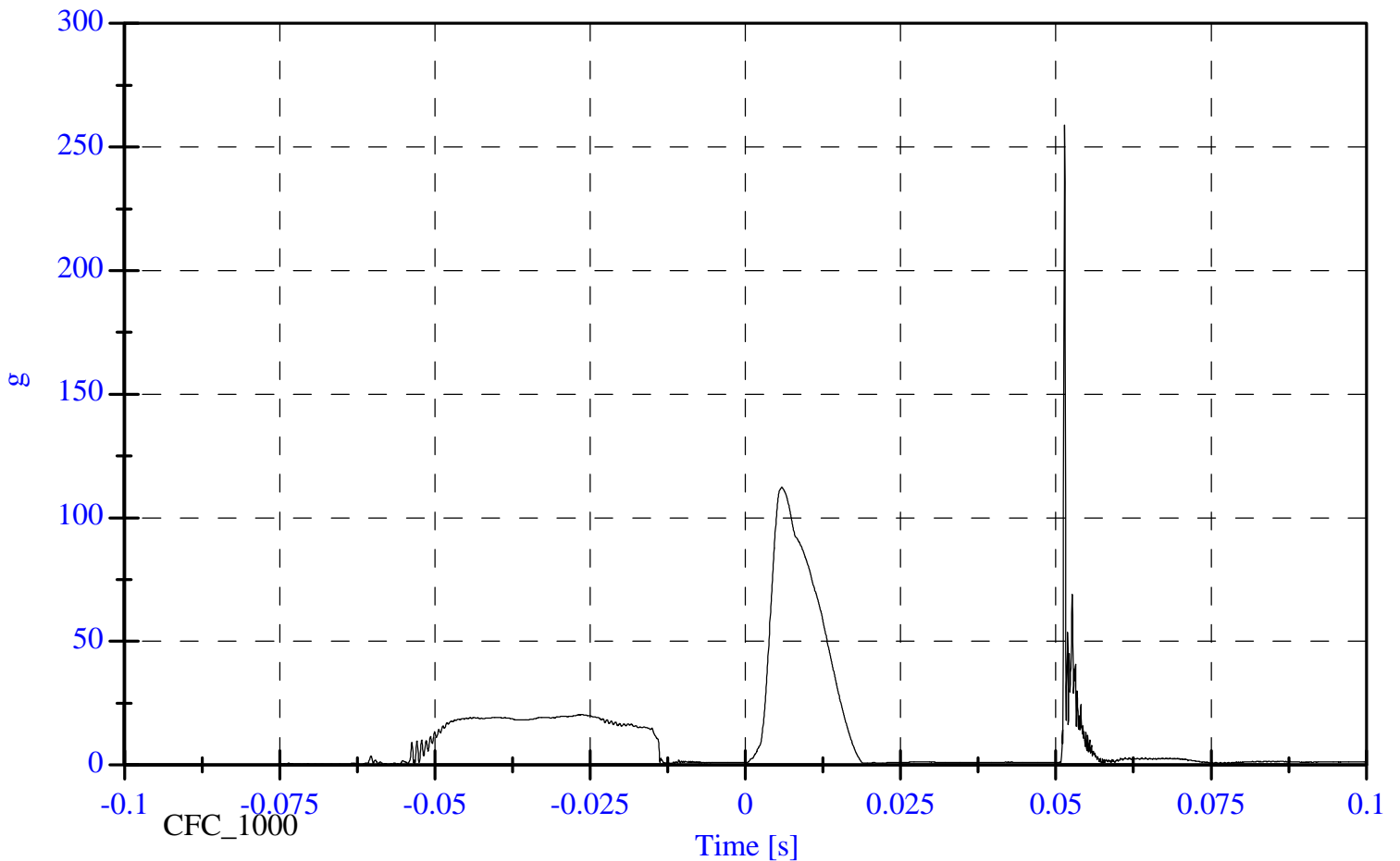
Average Acceleration: 9.8 g

Maximum: 112.3 g

FMVSS 201U 2010 FORD TRANSIT CONNECT
Headform Resultant

Max: 112.3 [g] at 0.006 [s]

Min: 0.0 [g] at -0.098 [s]

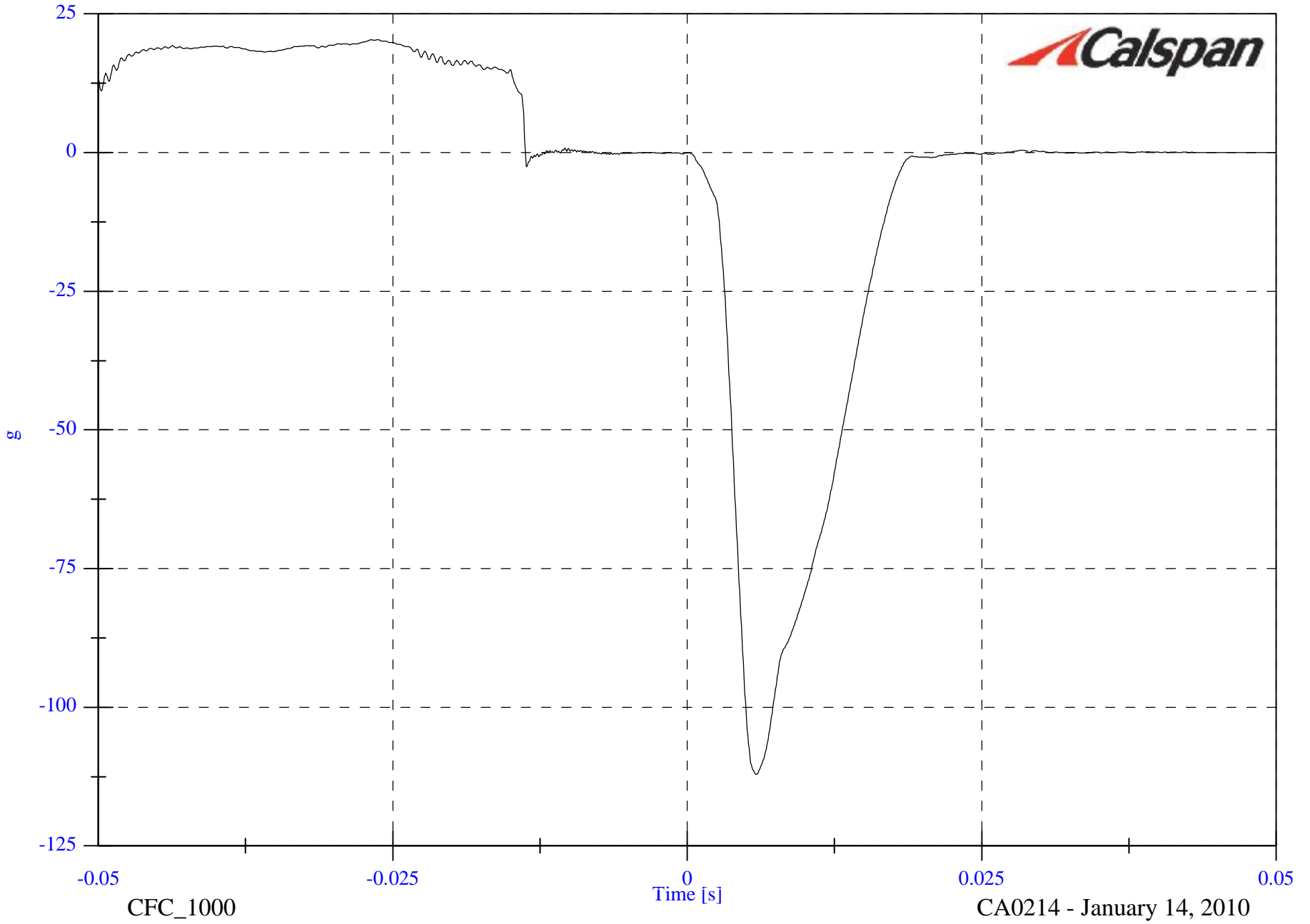


FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

Max: 20.4 [g] at -0.026 [s]

Min: -112.2 [g] at 0.006 [s]



CA0214 PASSENGER SIDE SD IMPACT PLOT #1

CC2010-02

CFC_1000

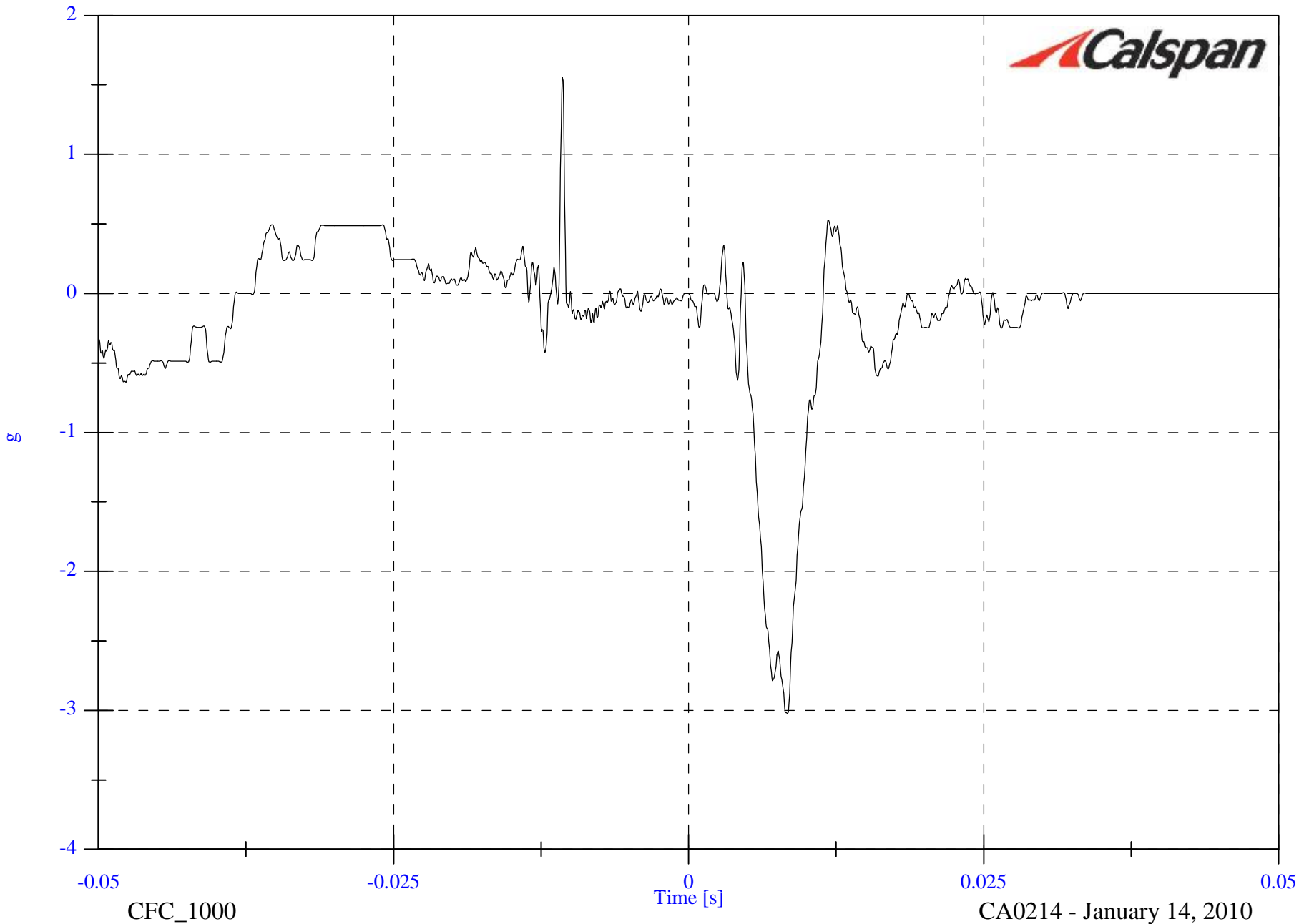
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

Max: 1.6 [g] at -0.011 [s]

Min: -3.0 [g] at 0.008 [s]



CA0214 PASSENGER SIDE SD IMPACT PLOT #2

CC2010-02

CFC_1000

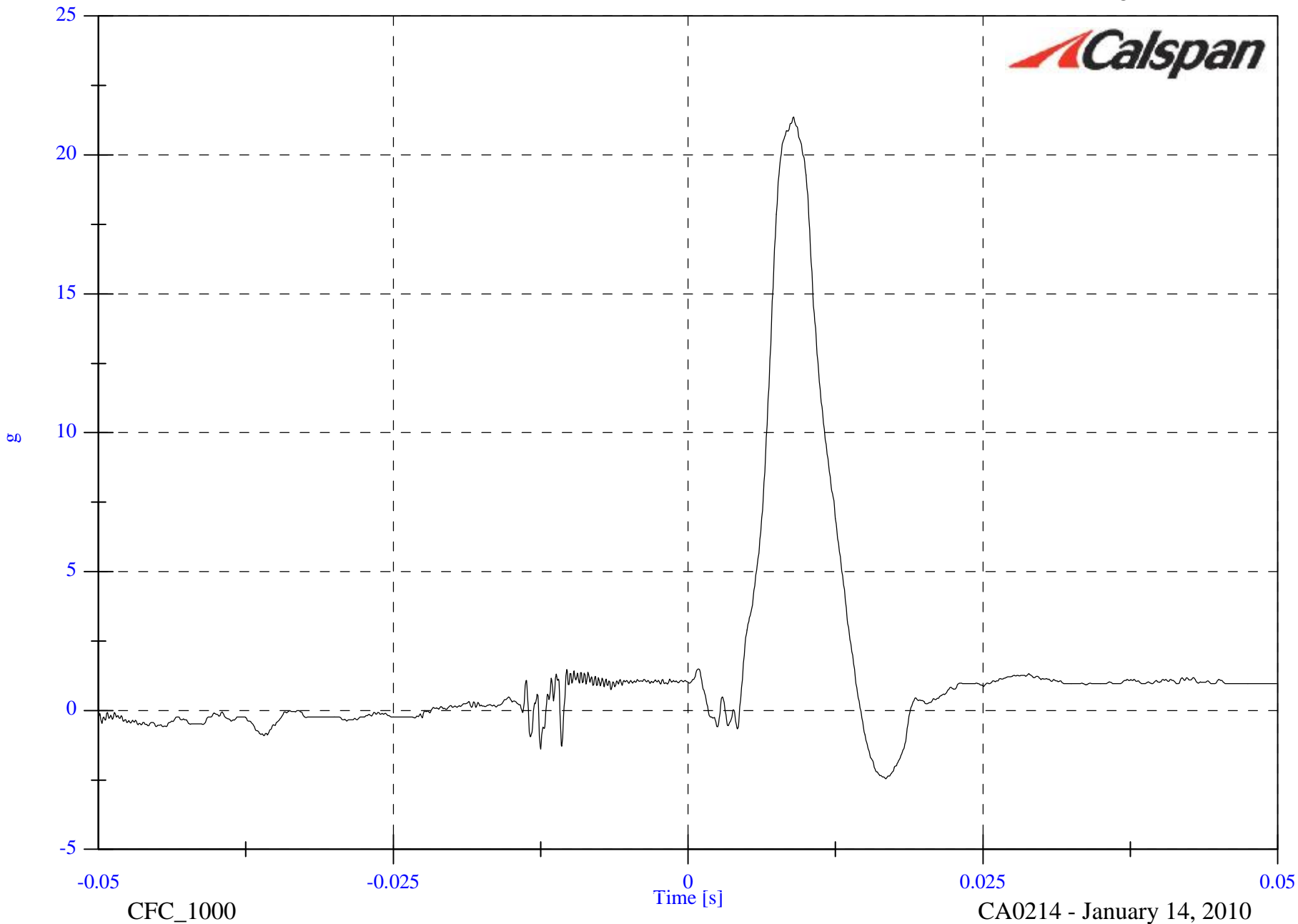
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

Max: 21.4 [g] at 0.009 [s]

Min: -2.5 [g] at 0.017 [s]



CA0214 PASSENGER SIDE SD IMPACT PLOT #3

CC2010-02

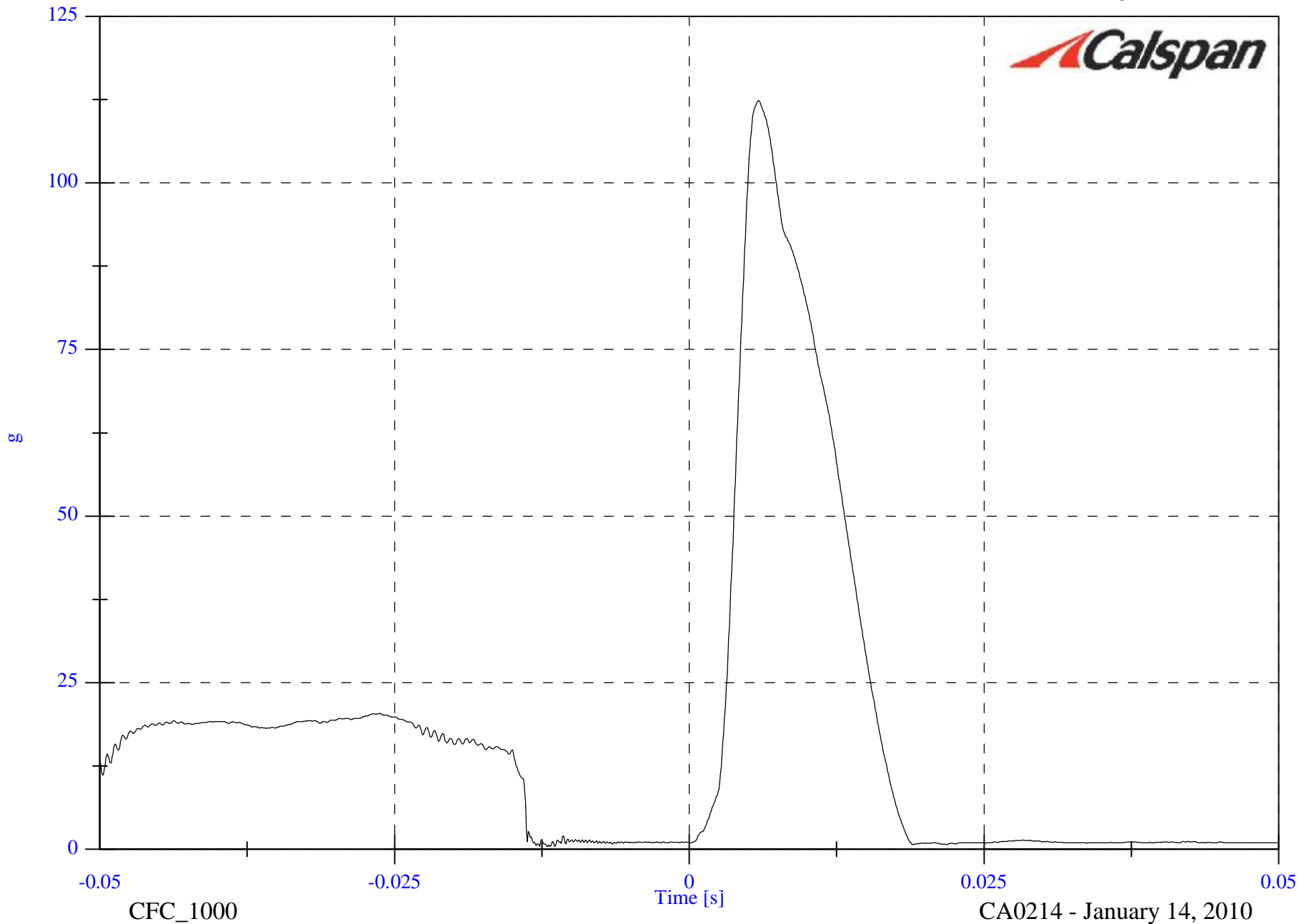
CFC_1000

CA0214 - January 14, 2010



CA0214 PASSENGER SIDE SD IMPACT PLOT #4

CC2010-02



CFC_1000

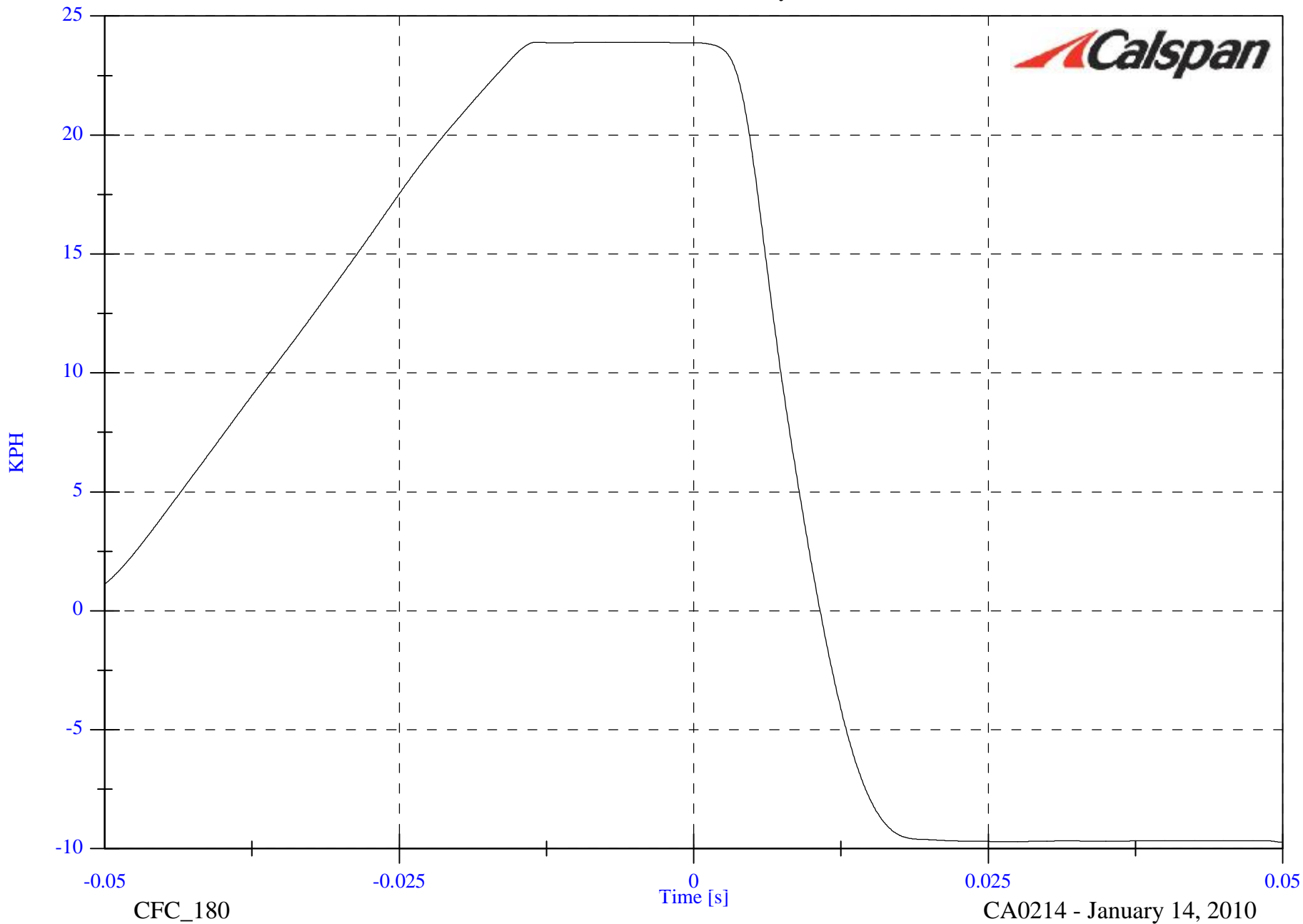
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Max: 23.9 [KPH] at -0.008 [s]

Headform Velocity

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

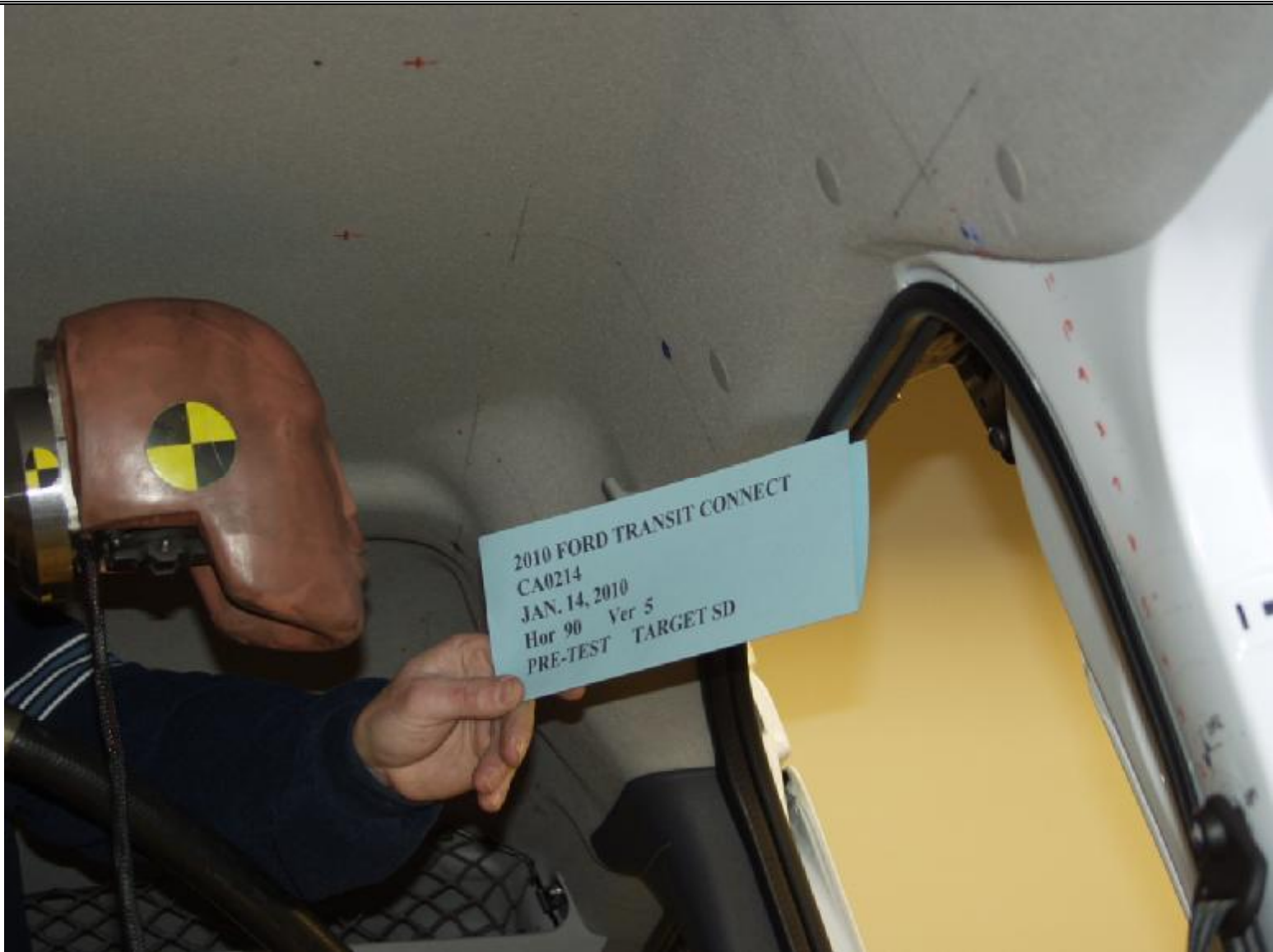


CA0214 PASSENGER SIDE SD IMPACT PLOT #5

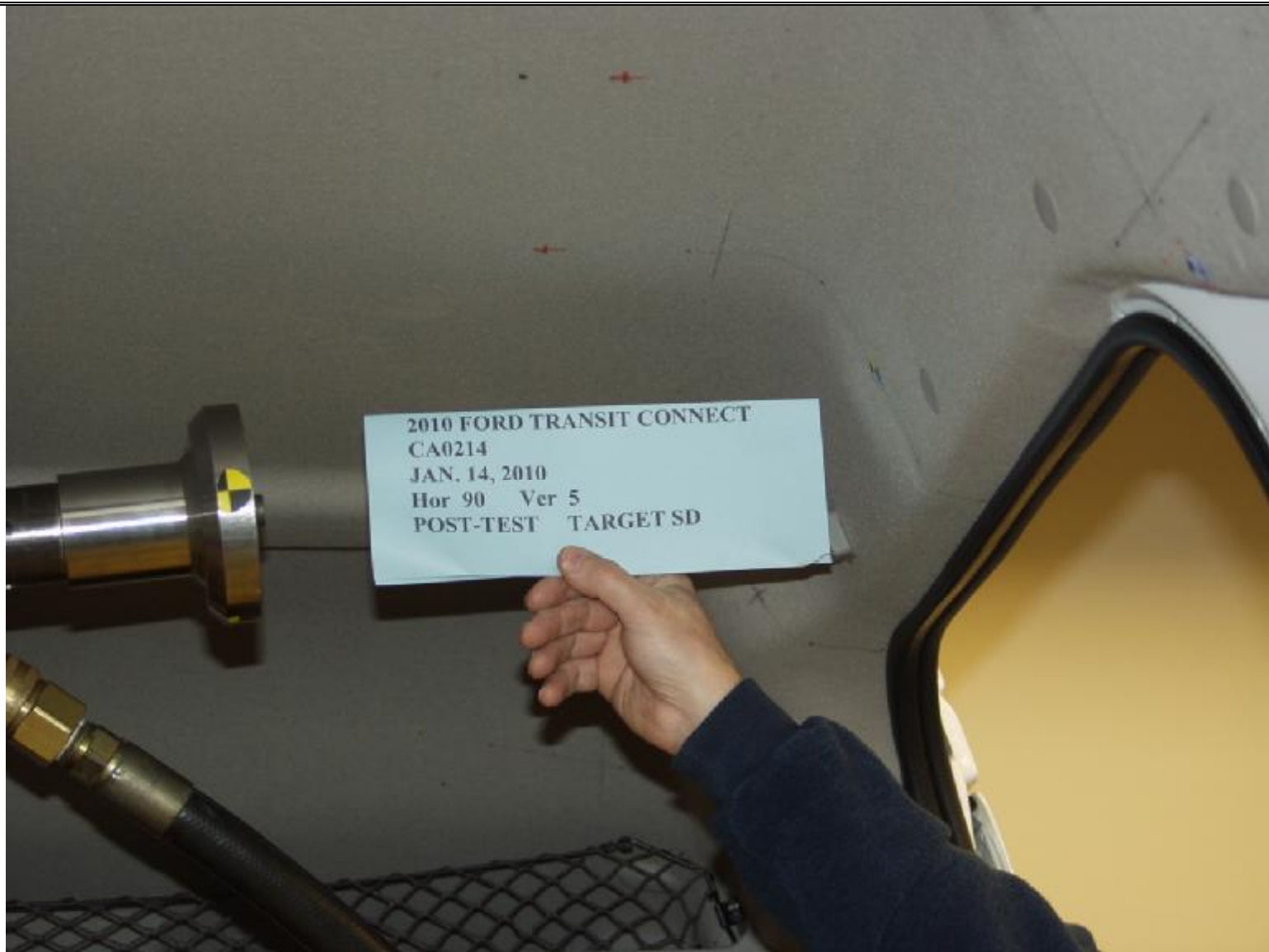
CC2010-02

CFC_180

CA0214 - January 14, 2010



PRE-IMPACT SD



POST-IMPACT SD

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	04
Test Date:	01/14/10
Target Location:	B-PILLAR
Target Code:	BP2
Horizontal Impact Angle:	90
Vertical Impact Angle:	5
Ambient Temperature:	21°C
Relative Humidity:	21
Time of Impact:	13:45
Headform Number:	355

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	8				mm up



POST-IMPACT BP2 HEADFORM

Free Motion HIC	630.4
HIC(d)	615.0
Impact Velocity (kph)	23.36
HIC T1 (msec)	2.1
HIC T2 (msec)	10.9

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - BP2

FMH Headform 0355

Location: BP2

Test Date: January 14, 2010

Work File: BP2

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

Lab Temperature: 21 C

HICd: 630.4

Lab Humidity: 21 %

HIC (36ms): 615.0

Velocity at Impact: 23.36 KPH

t1: 2.1 msec

t2: 10.9 msec

Free Flight Distance: 221.87 mm

Duration: 8.8 msec

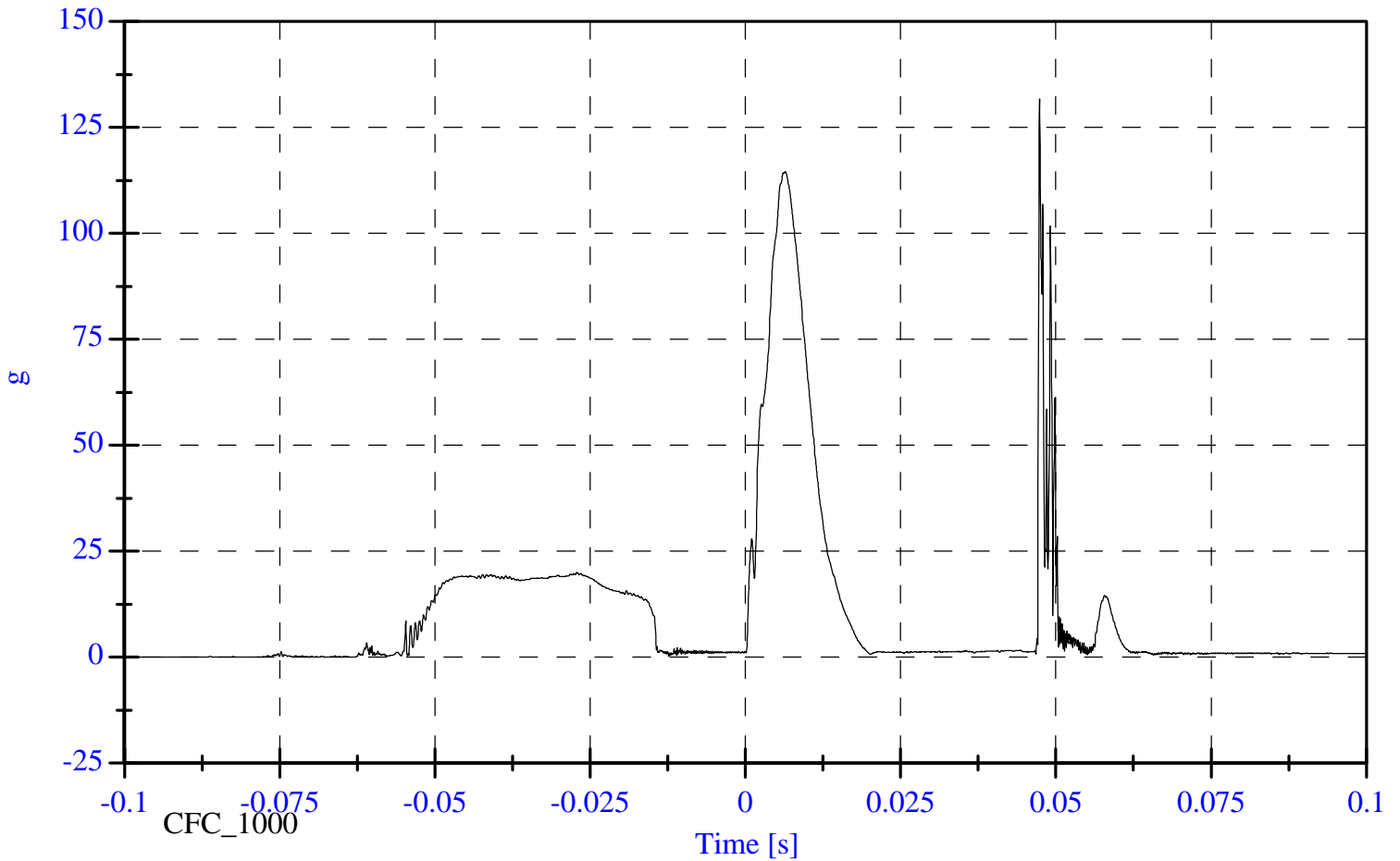
Average Acceleration: 9.9 g

Maximum: 114.5 g

FMVSS 201U 2010 FORD TRANSIT CONNECT
Headform Resultant

Max: 114.5 [g] at 0.006 [s]

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



FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

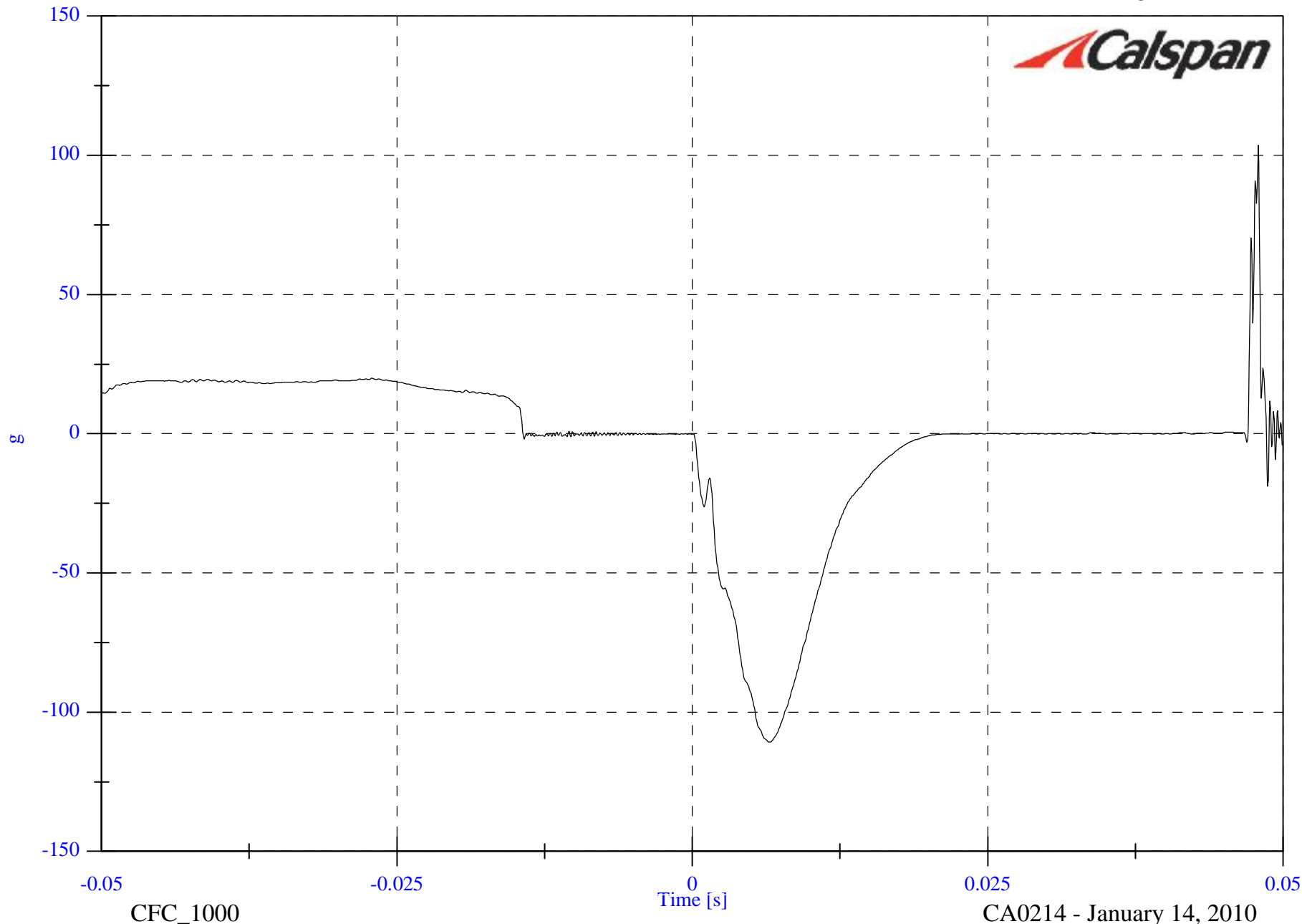
Max: 103.7 [g] at 0.048 [s]

Min: -110.8 [g] at 0.007 [s]



CA0214 PASSENGER SIDE BP2 IMPACT PLOT #1

CC2010-02



CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

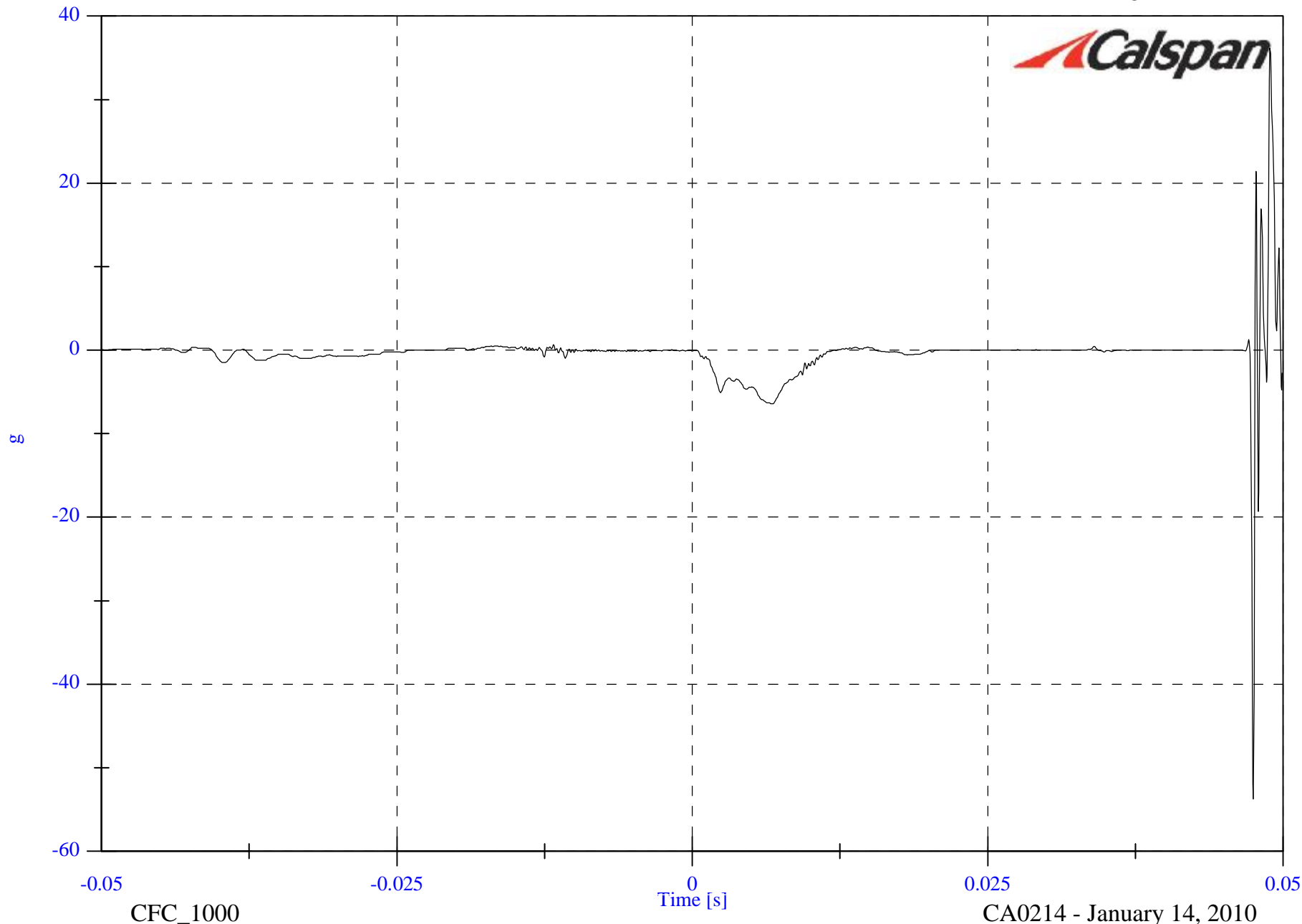
Max: 36.2 [g] at 0.049 [s]

Min: -53.7 [g] at 0.048 [s]



CA0214 PASSENGER SIDE BP2 IMPACT PLOT #2

CC2010-02



CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

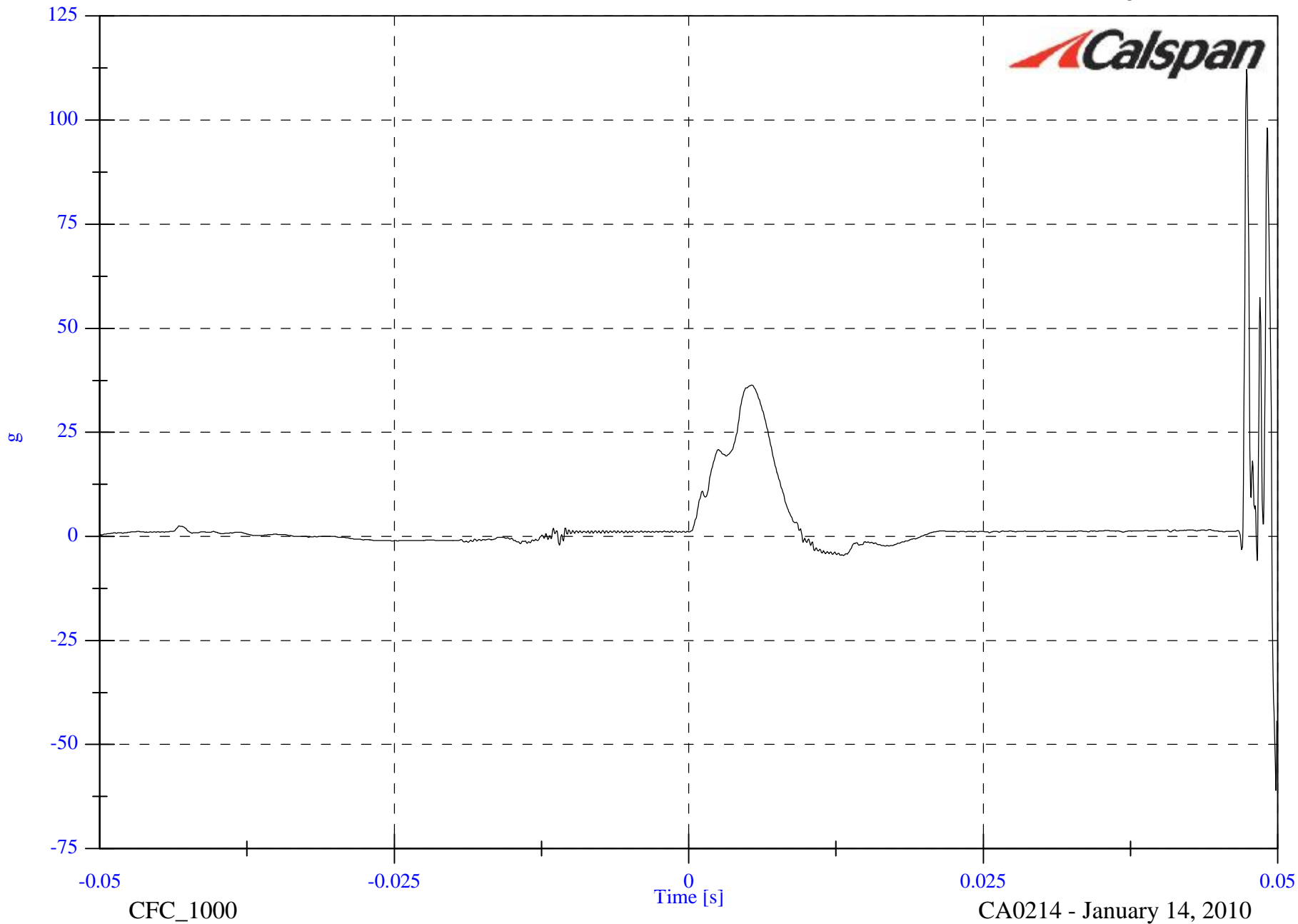
Max: 112.3 [g] at 0.047 [s]

Min: -61.0 [g] at 0.050 [s]



CA0214 PASSENGER SIDE BP2 IMPACT PLOT #3

CC2010-02



CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

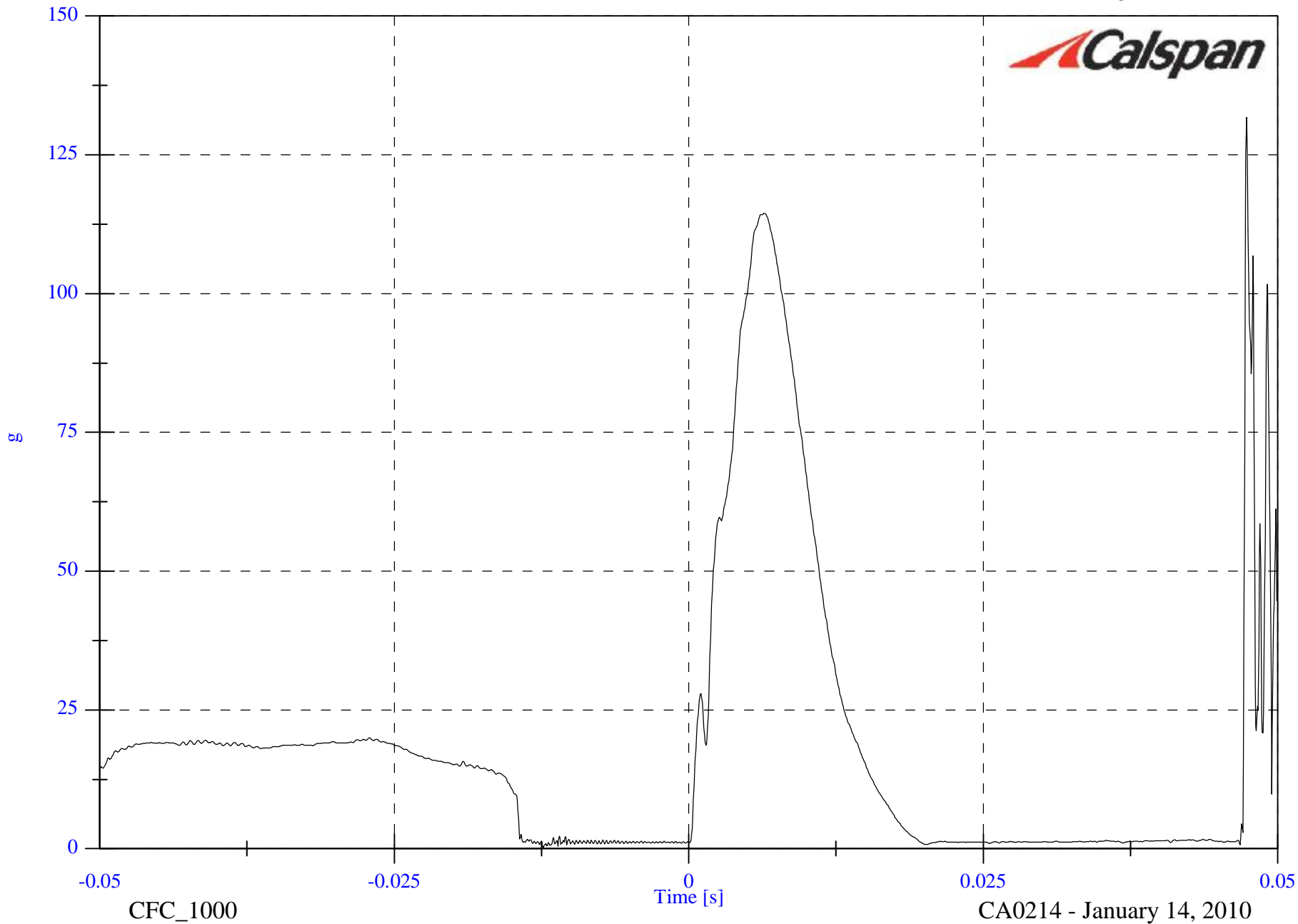
Max: 131.8 [g] at 0.047 [s]

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



CA0214 PASSENGER SIDE BP2 IMPACT PLOT #4

CC2010-02



CFC_1000

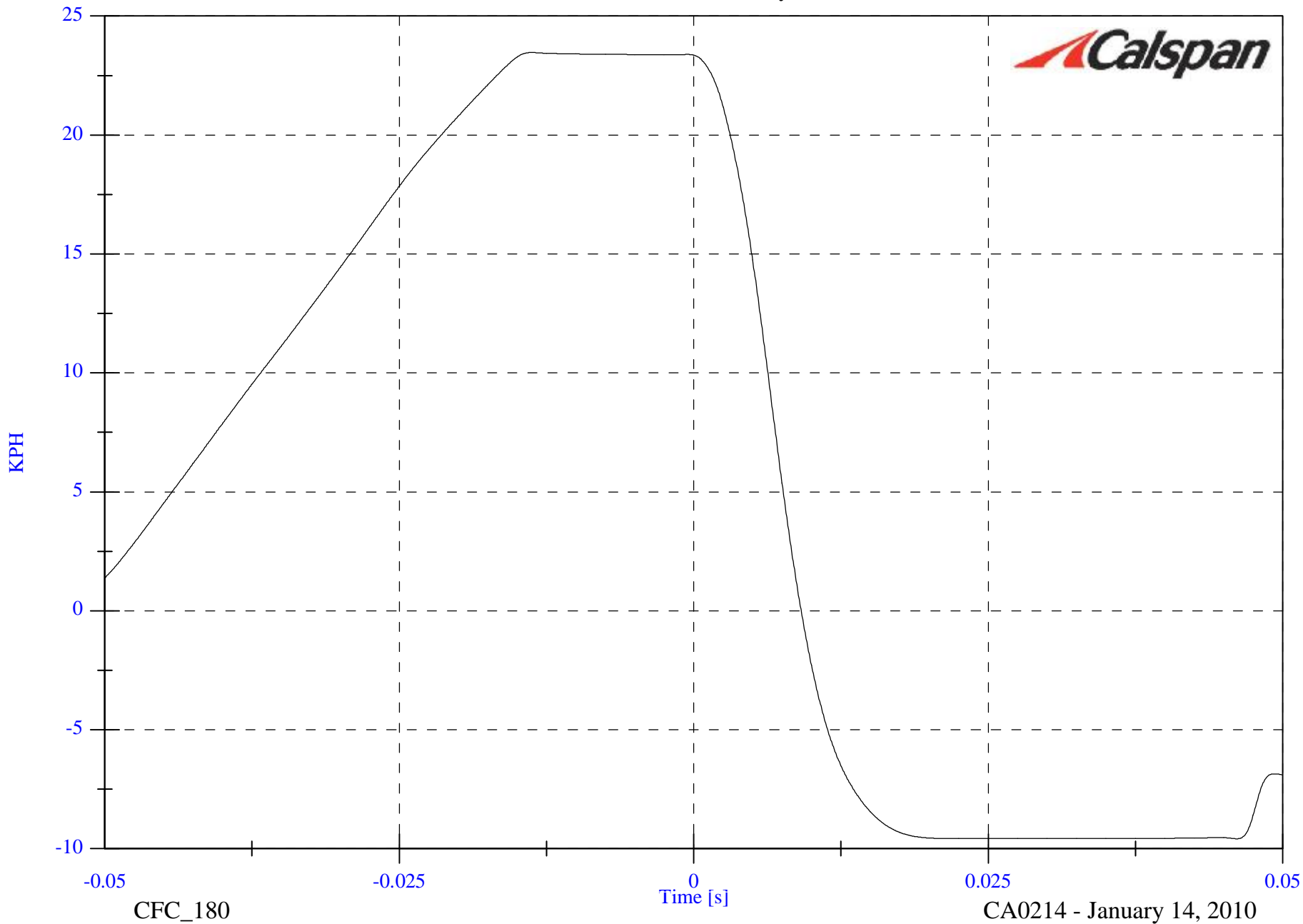
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Max: 23.5 [KPH] at -0.014 [s]

Headform Velocity

Min: -9.6 [KPH] at 0.046 [s]

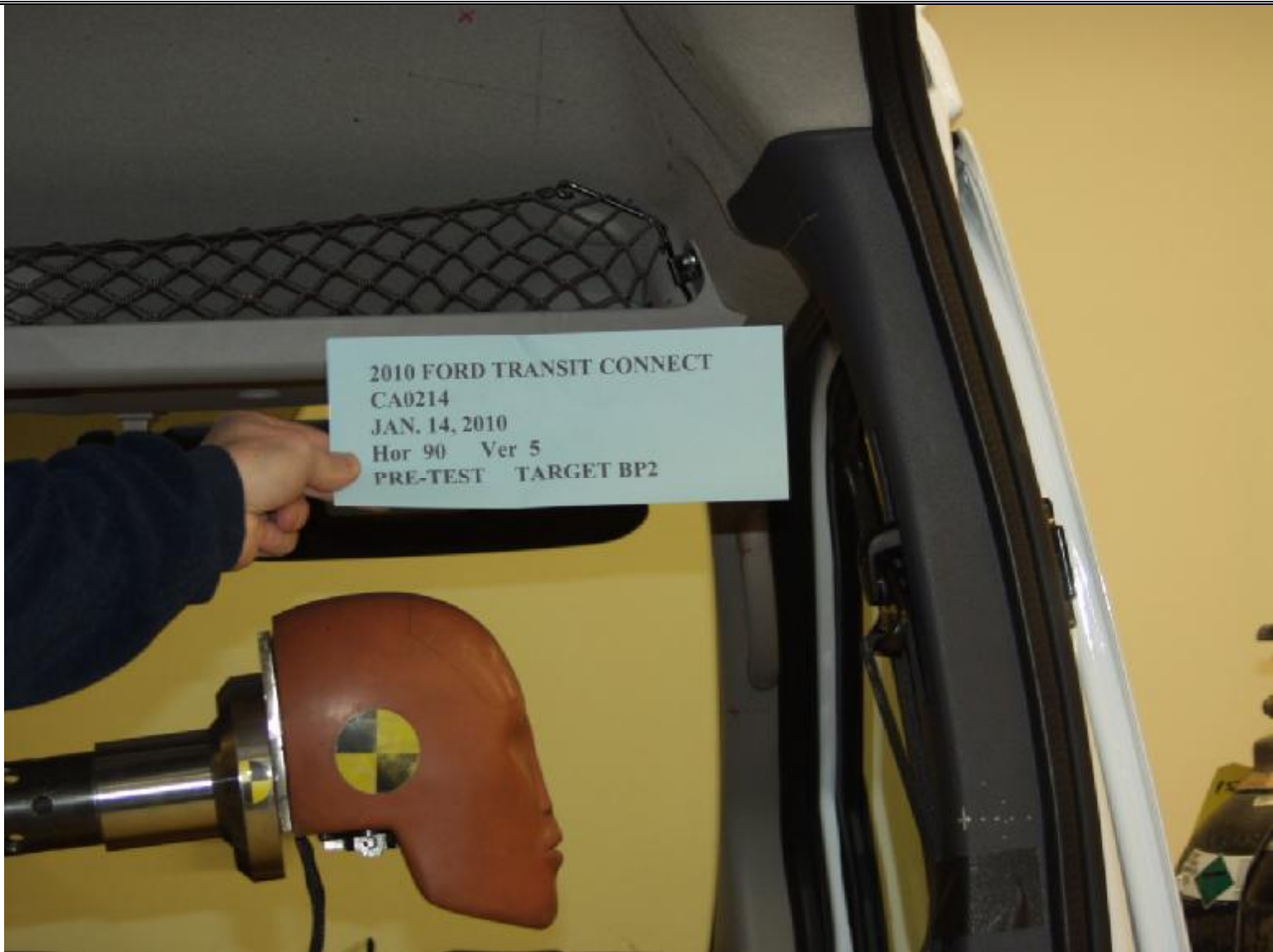


CA0214 PASSENGER SIDE BP2 IMPACT PLOT #5

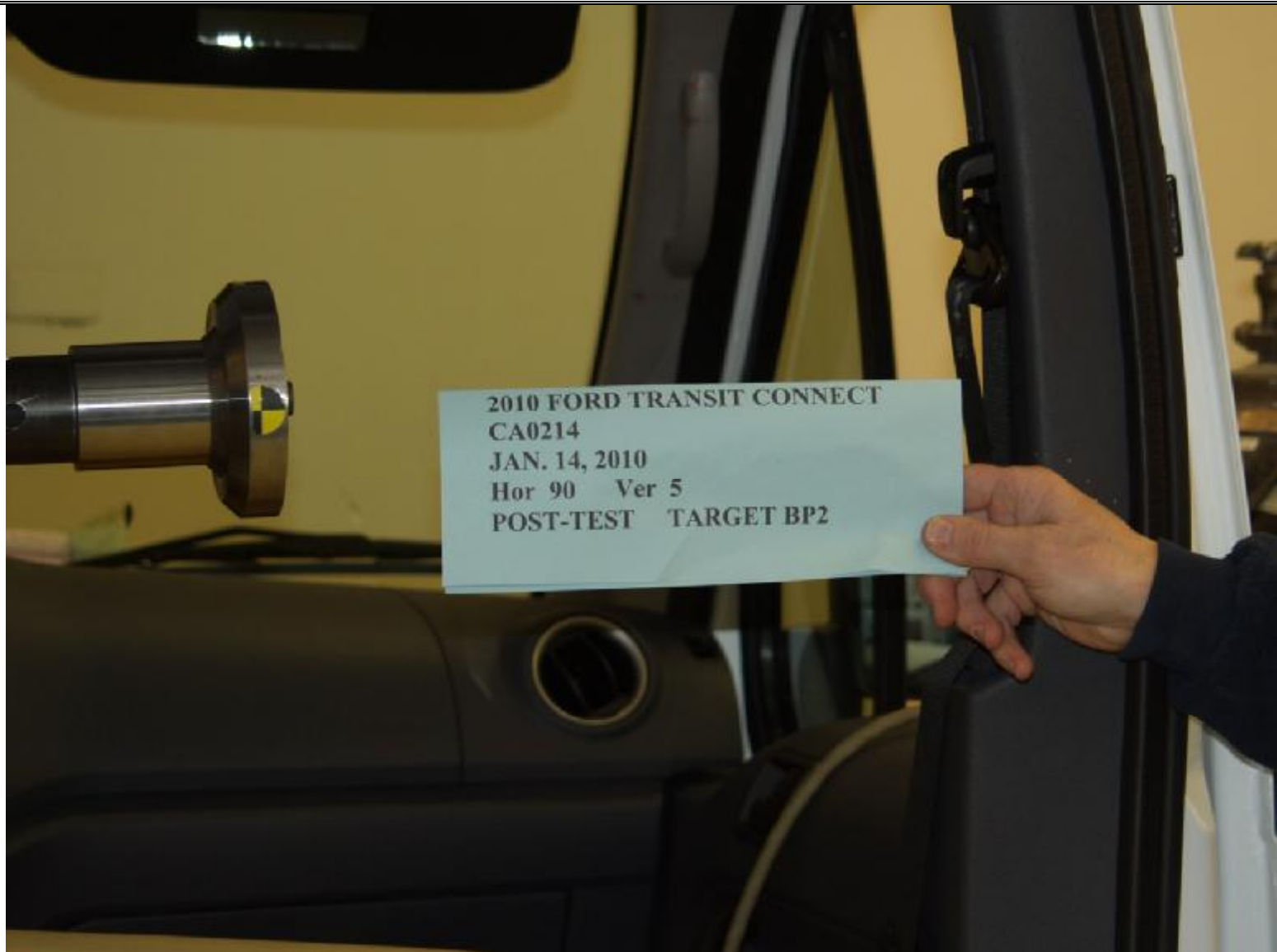
CC2010-02

CFC_180

CA0214 - January 14, 2010



PRE-IMPACT BP2



POST-IMPACT BP2

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	05
Test Date:	01/14/10
Target Location:	B-PILLAR
Target Code:	BP1
Horizontal Impact Angle:	90
Vertical Impact Angle:	11
Ambient Temperature:	21°C
Relative Humidity:	21
Time of Impact:	14:10
Headform Number:	1140

Impact Point Description (from lower midpoint on midsagittal line)					
On Centerline	2	<input checked="" type="checkbox"/>	mm right	<input type="checkbox"/>	mm left
On Centerline	18				mm up



POST-IMPACT BP1 HEADFORM

Free Motion HIC	596.5
HIC(d)	616.4
Impact Velocity (kph)	23.49
HIC T1 (msec)	1.7
HIC T2 (msec)	10.7

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - BP1

FMH Headform 1140

Location: BP1

Test Date: January 14, 2010

Work File: BP1

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

Lab Temperature: 21 C

HICd: 616.4

Lab Humidity: 21 %

HIC (36ms): 596.5

Velocity at Impact: 23.49 KPH

t1: 1.7 msec

t2: 10.7 msec

Free Flight Distance: 229.98 mm

Duration: 9.0 msec

Average Acceleration: 8.9 g

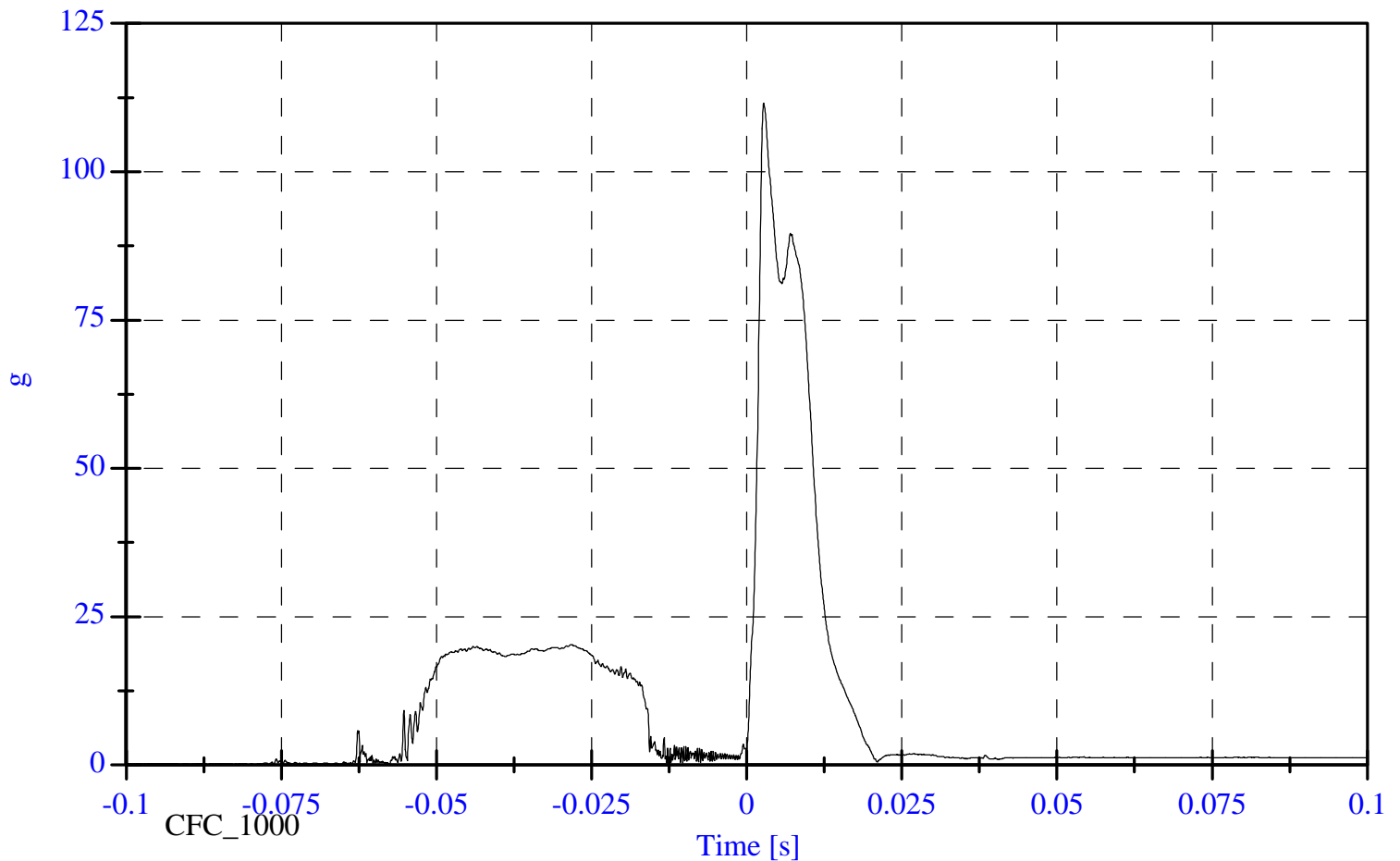
Maximum: 111.6 g

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 111.6 [g] at 0.003 [s]

Min: 0.0 [g] at -0.100 [s]

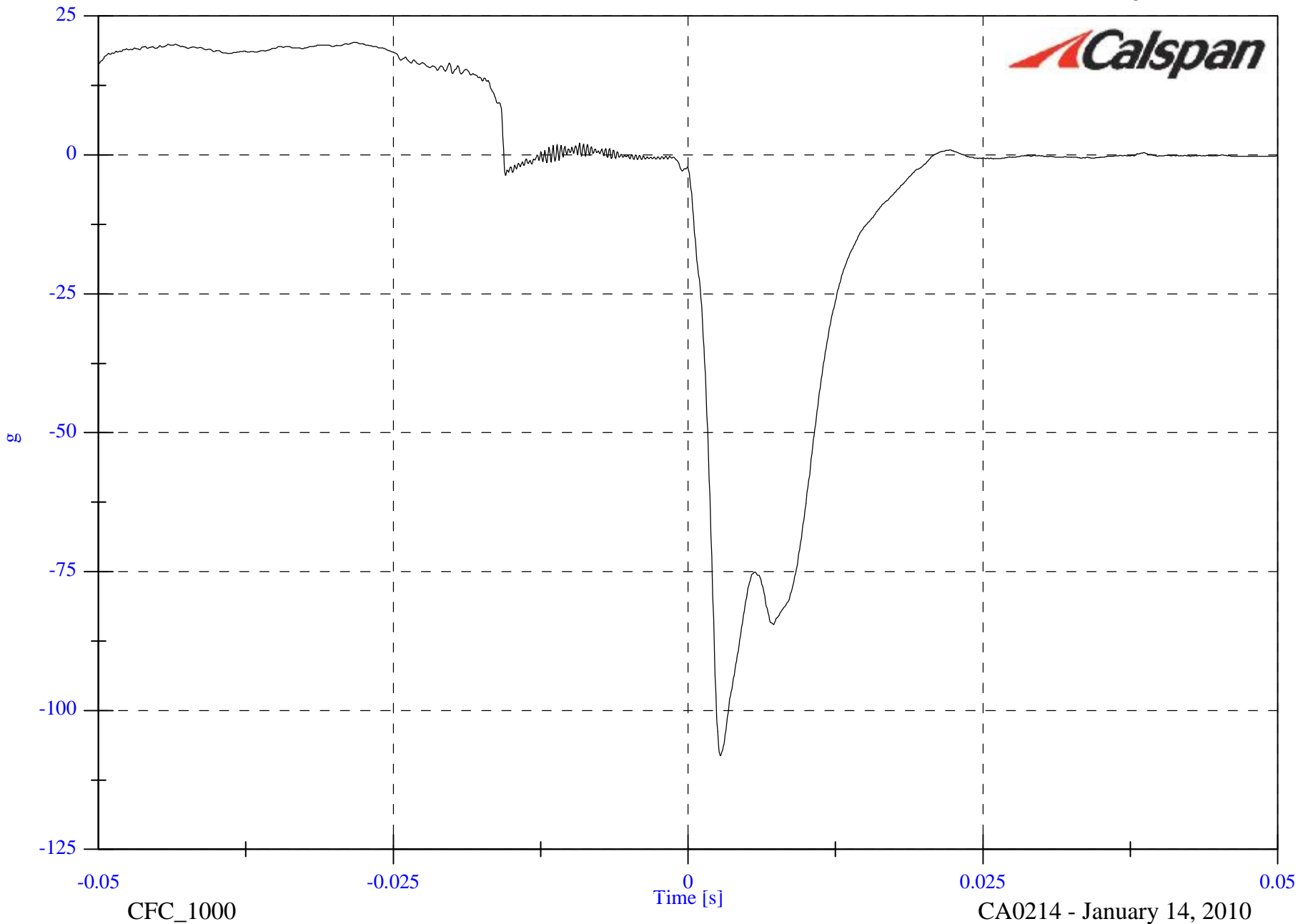


FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

Max: 20.3 [g] at -0.028 [s]

Min: -108.2 [g] at 0.003 [s]



CA0214 PASSENGER SIDE BP1 IMPACT PLOT #1

CC2010-02

CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

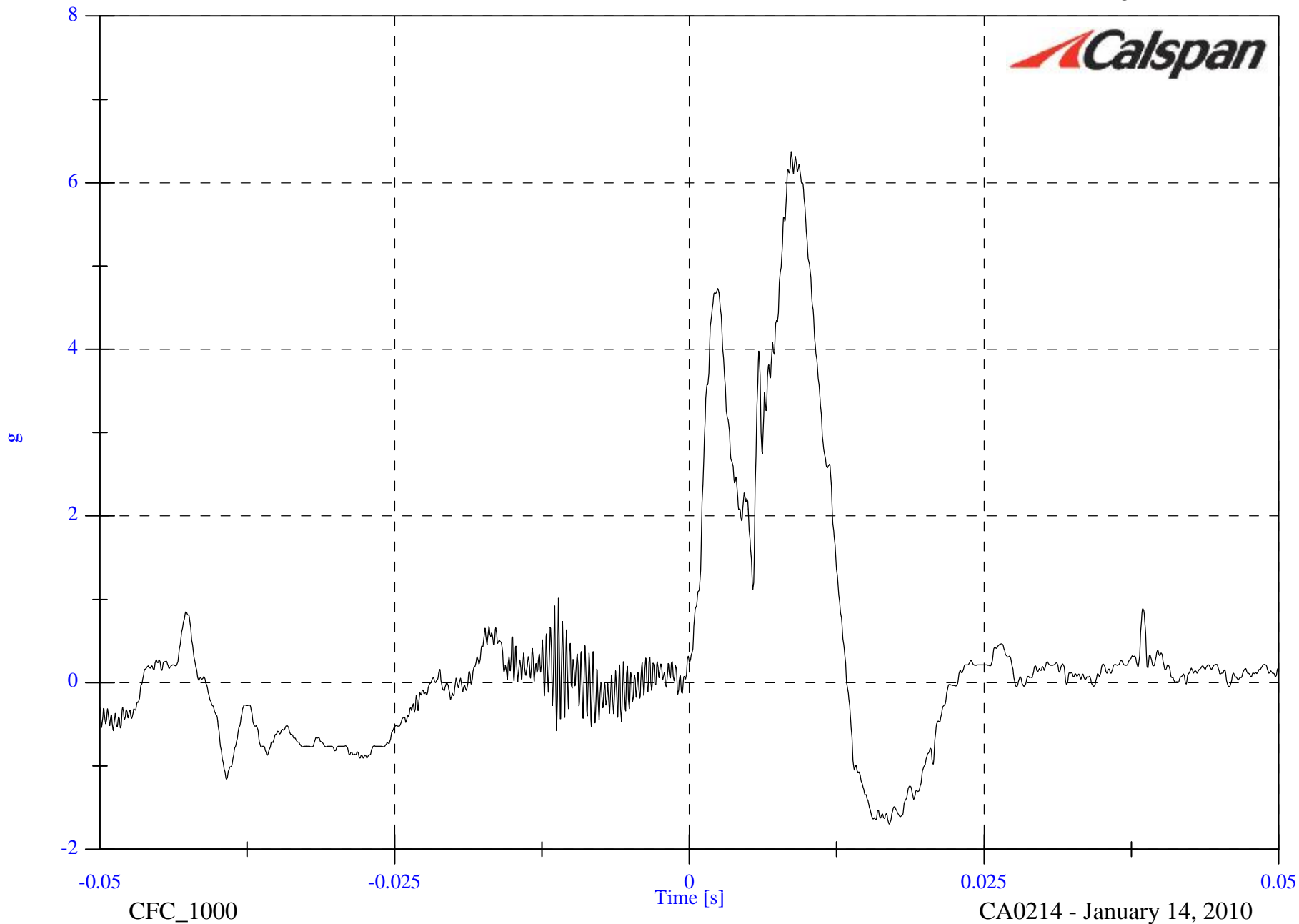
Max: 6.4 [g] at 0.009 [s]

Min: -1.7 [g] at 0.017 [s]



CA0214 PASSENGER SIDE BP1 IMPACT PLOT #2

CC2010-02



CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

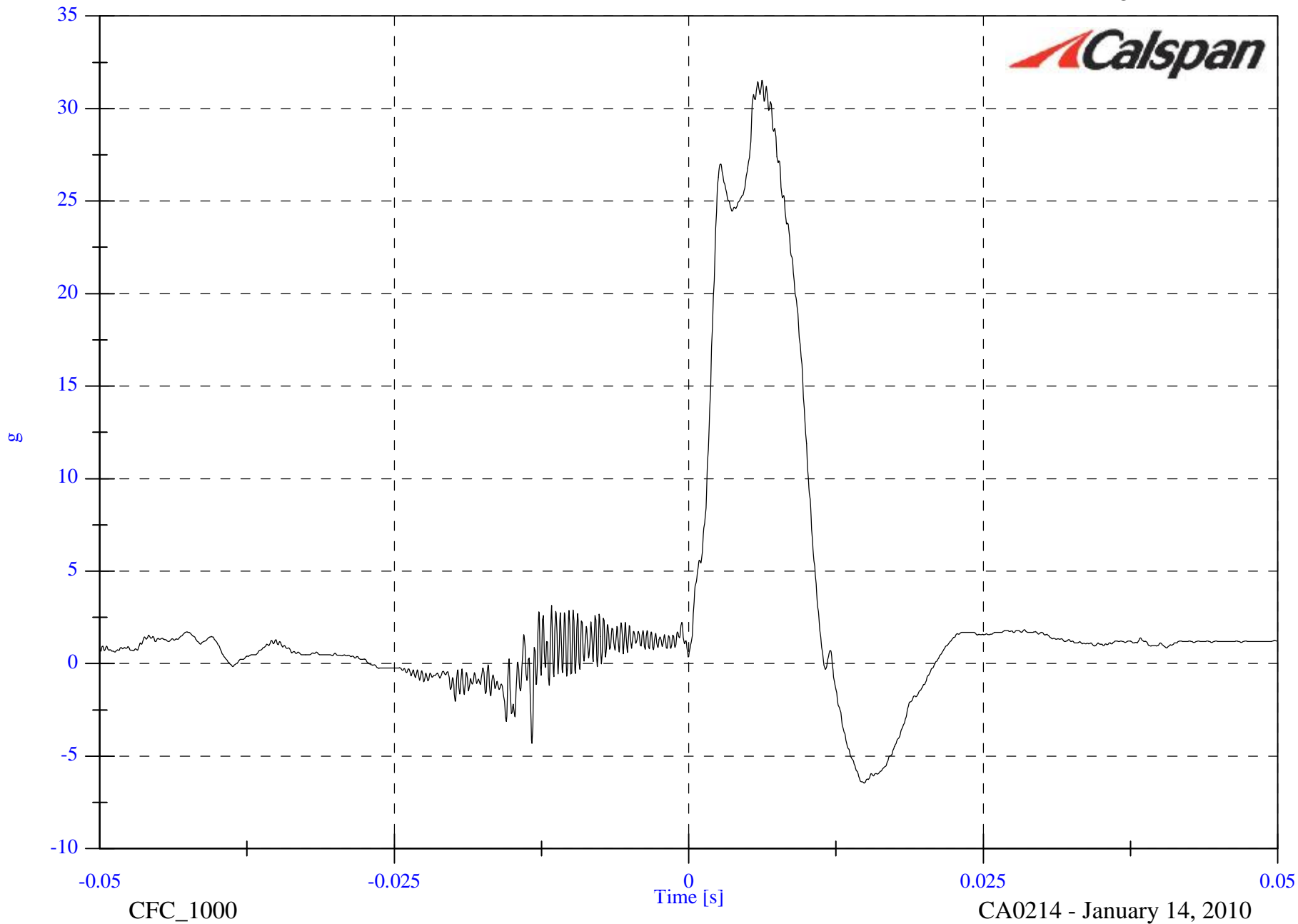
Max: 31.5 [g] at 0.006 [s]

Min: -6.5 [g] at 0.015 [s]



CA0214 PASSENGER SIDE BP1 IMPACT PLOT #3

CC2010-02



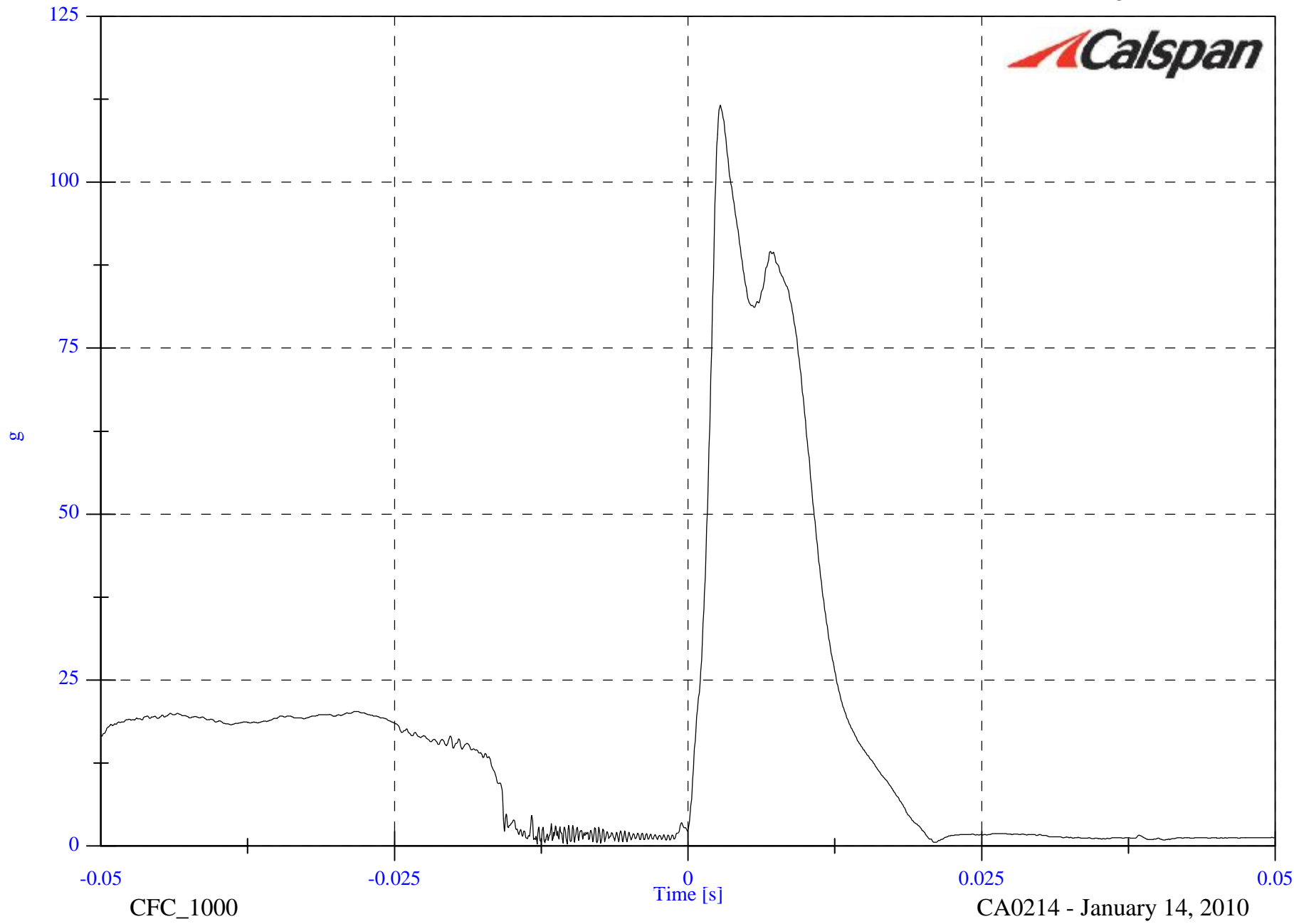
CFC_1000

CA0214 - January 14, 2010



CA0214 PASSENGER SIDE BP1 IMPACT PLOT #4

CC2010-02



CFC_1000

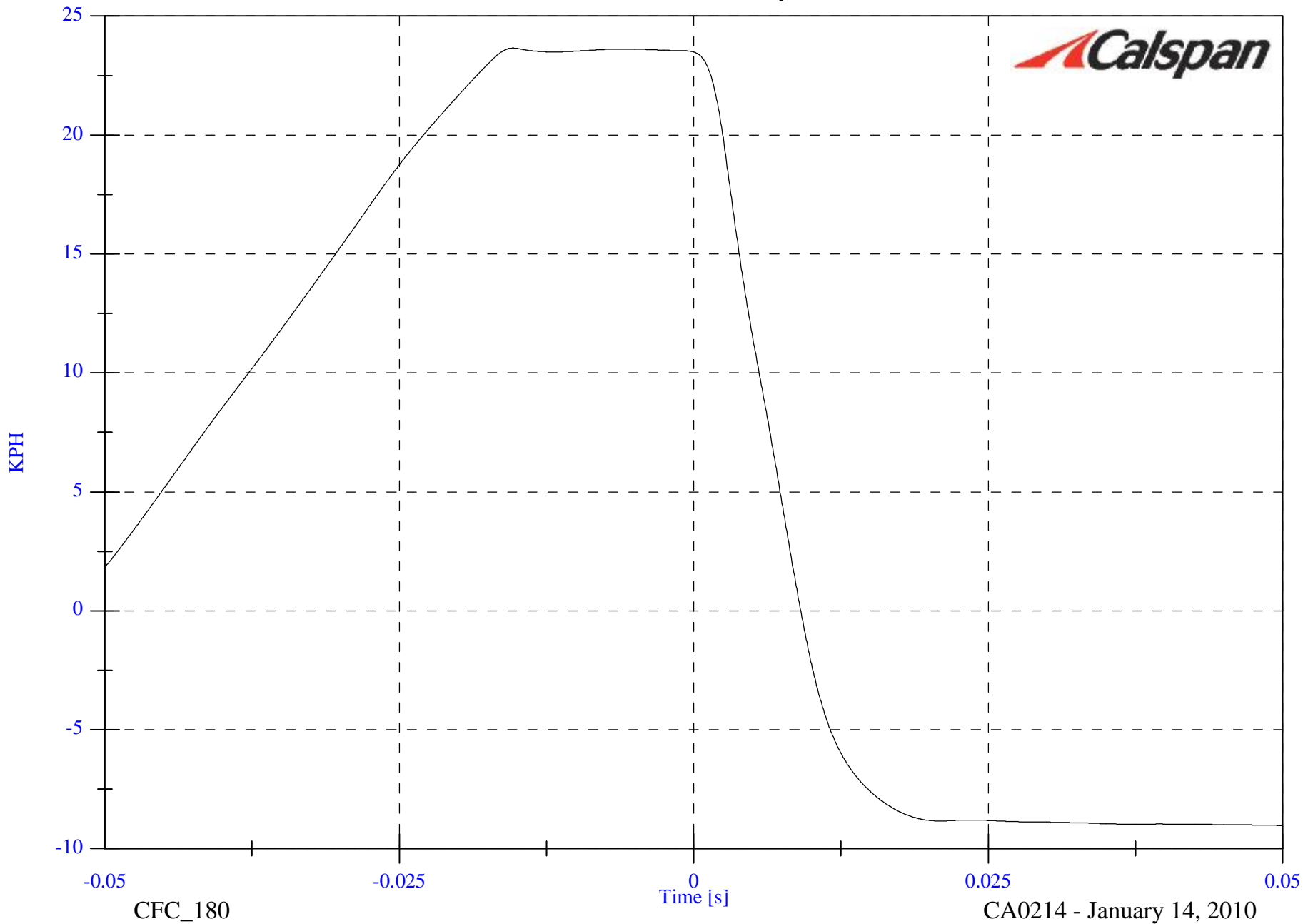
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Max: 23.7 [KPH] at -0.015 [s]

Headform Velocity

Min: -9.0 [KPH] at 0.050 [s]

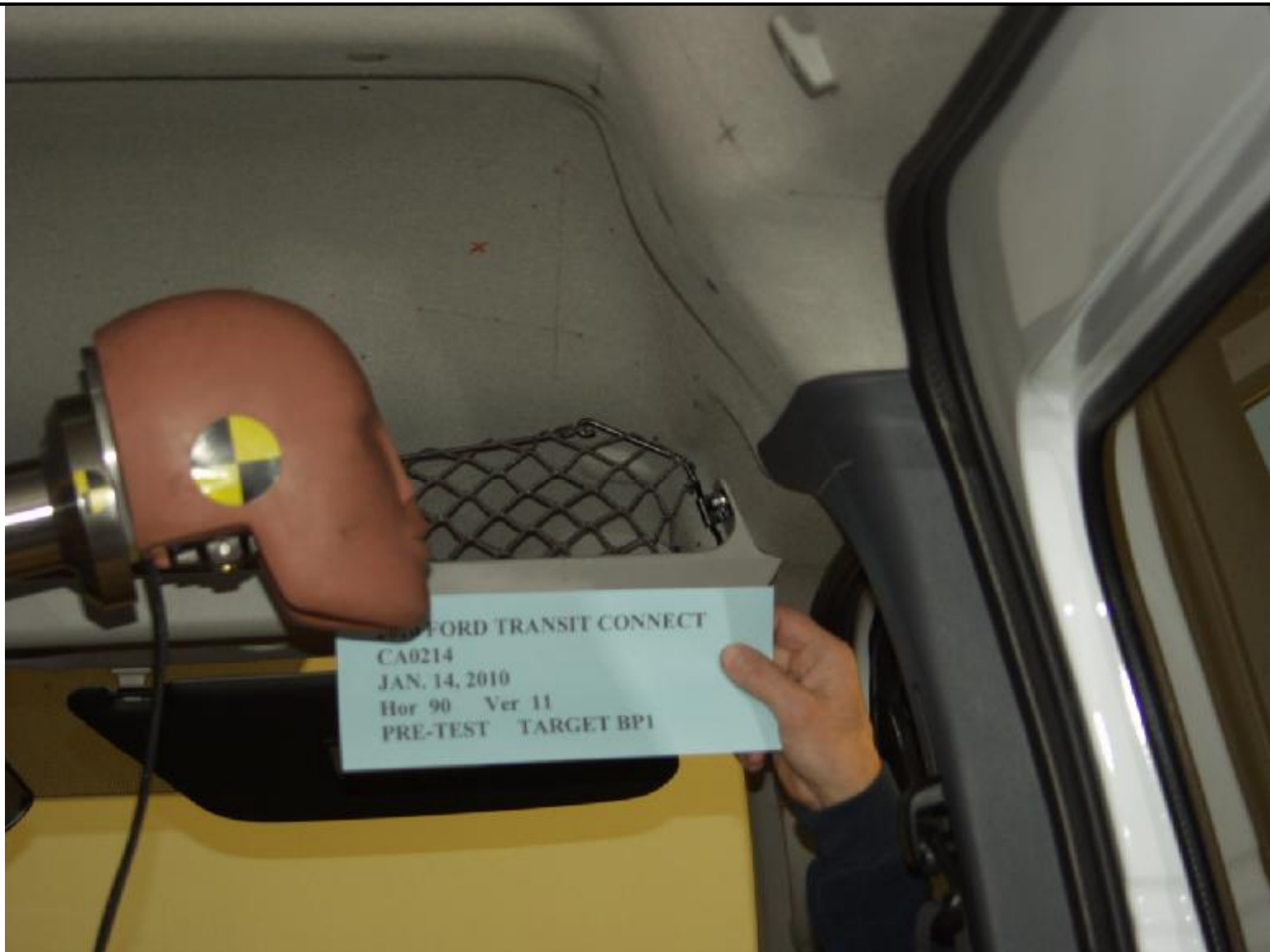


CA0214 PASSENGER SIDE BP1 IMPACT PLOT #5

CC2010-02

CFC_180

CA0214 - January 14, 2010



PRE-IMPACT BP1



POST-IMPACT BPI

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	06
Test Date:	01/14/10
Target Location:	SIDE RAIL
Target Code:	SR2B
Horizontal Impact Angle:	90
Vertical Impact Angle:	11
Ambient Temperature:	21°C
Relative Humidity:	21
Time of Impact:	14:50
Headform Number:	1142

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	10				mm up



POST-IMPACT SR2B HEADFORM

Free Motion HIC	1093.7
HIC(d)	991.6
Impact Velocity (kph)	23.35
HIC T1 (msec)	4.6
HIC T2 (msec)	9.7

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - SR2B

FMH Headform 1142

Location: SR2B

Test Date: January 14, 2010

Work File: SR2B

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

Lab Temperature: 21 C

HICd: 991.6

Lab Humidity: 21 %

HIC (36ms): 1093.7

Velocity at Impact: 23.35 KPH

t1: 4.6 msec

t2: 9.7 msec

Free Flight Distance: 219.08 mm

Duration: 5.1 msec

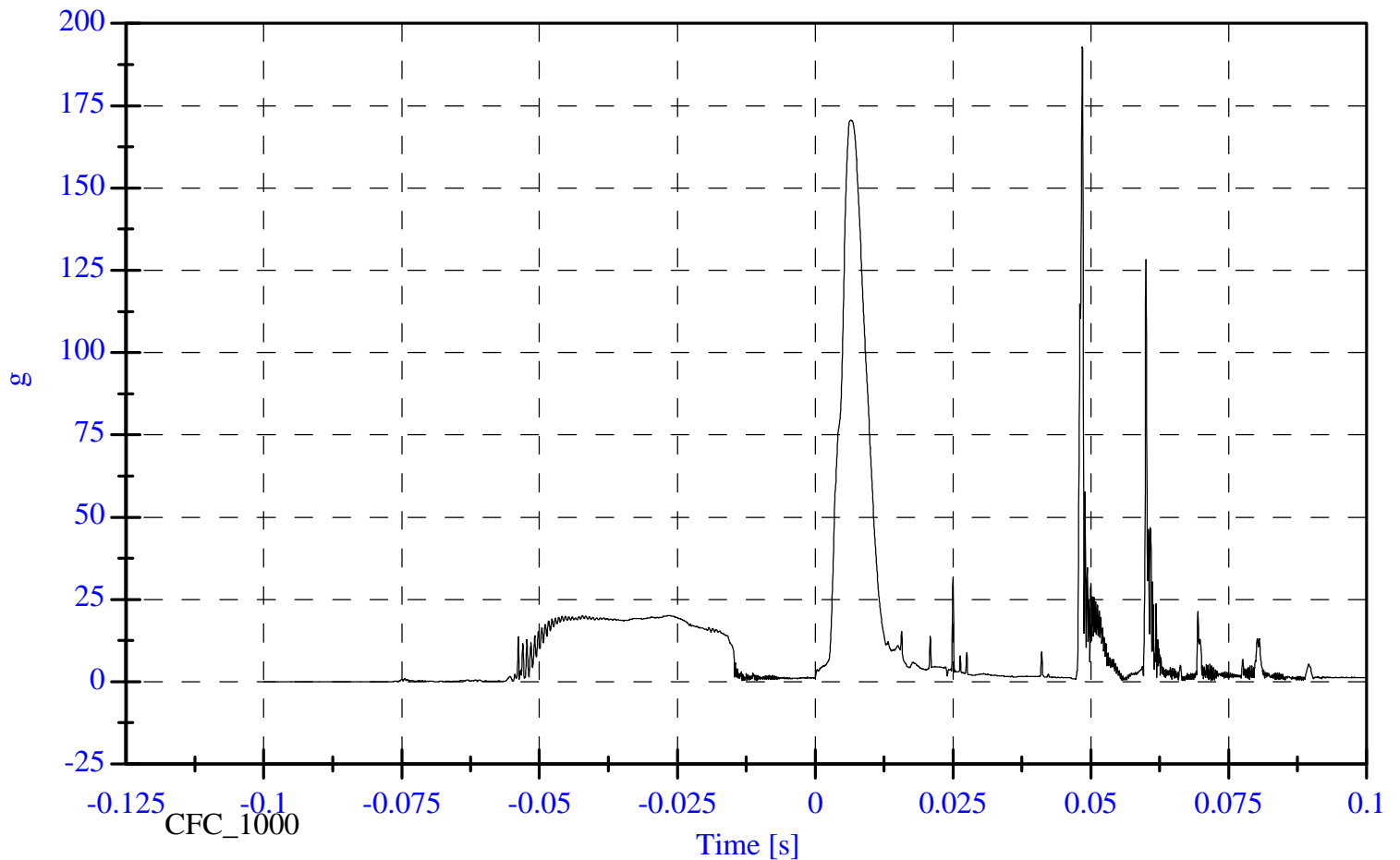
Average Acceleration: 10.7 g

Maximum: 170.7 g

FMVSS 201U 2010 FORD TRANSIT CONNECT
Headform Resultant

Max: 170.7 [g] at 0.007 [s]

Min: -0.0 [g] at -0.100 [s]



FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

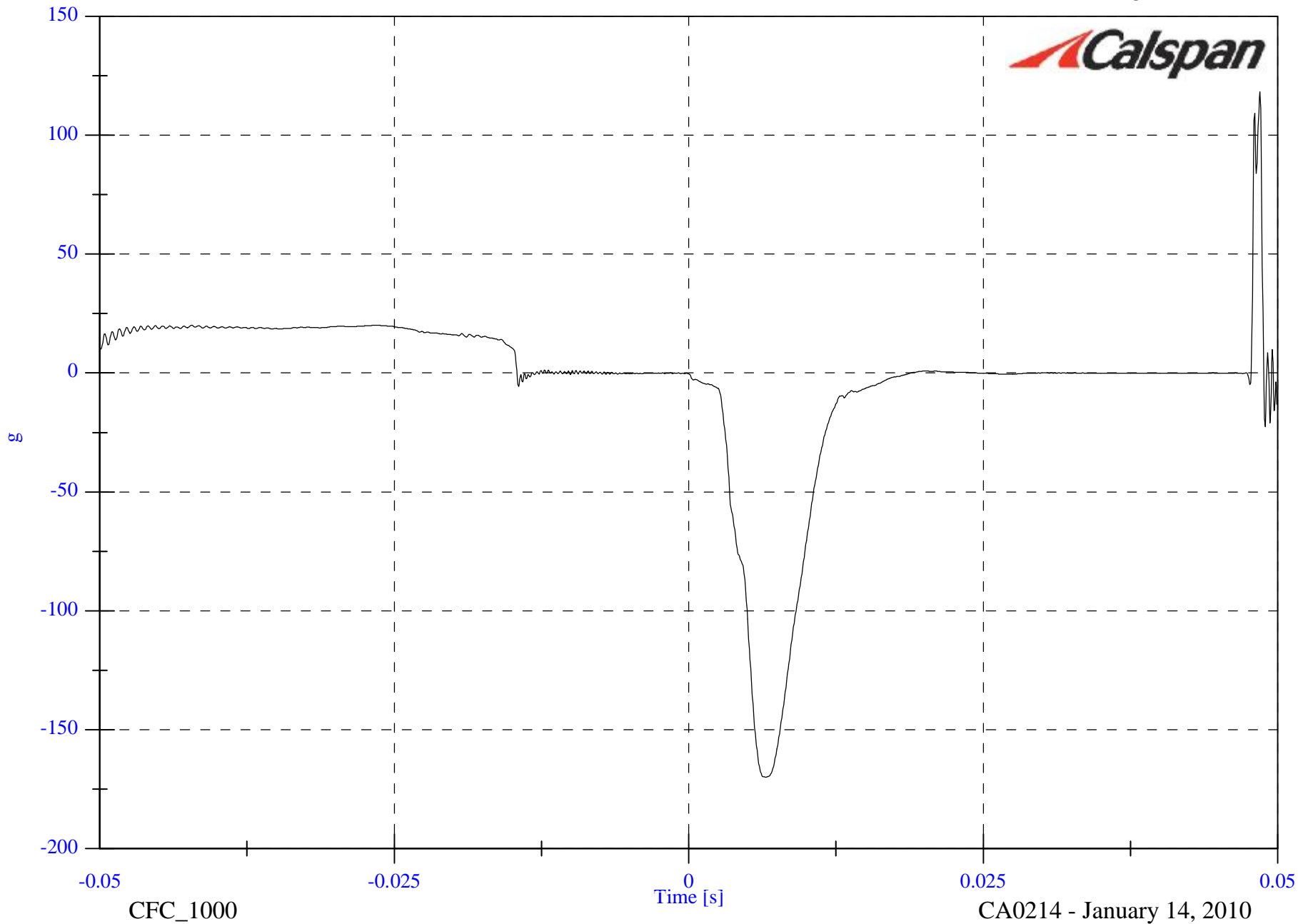
Max: 118.3 [g] at 0.048 [s]

Min: -170.0 [g] at 0.007 [s]



CA0214 PASSENGER SIDE SR2B IMPACT PLOT #1

CC2010-02



CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

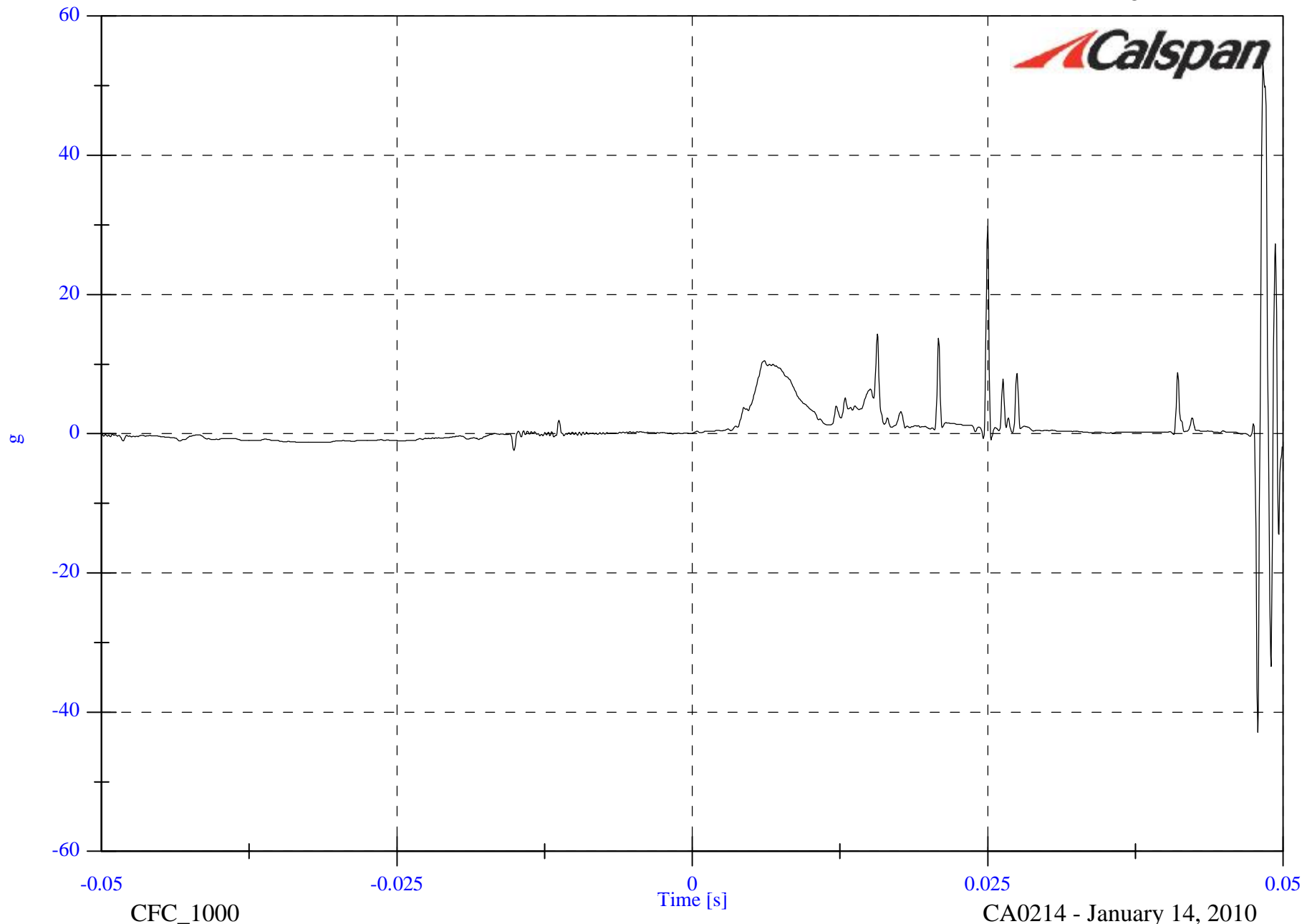
Max: 53.4 [g] at 0.048 [s]

Min: -42.9 [g] at 0.048 [s]



CA0214 PASSENGER SIDE SR2B IMPACT PLOT #2

CC2010-02



CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

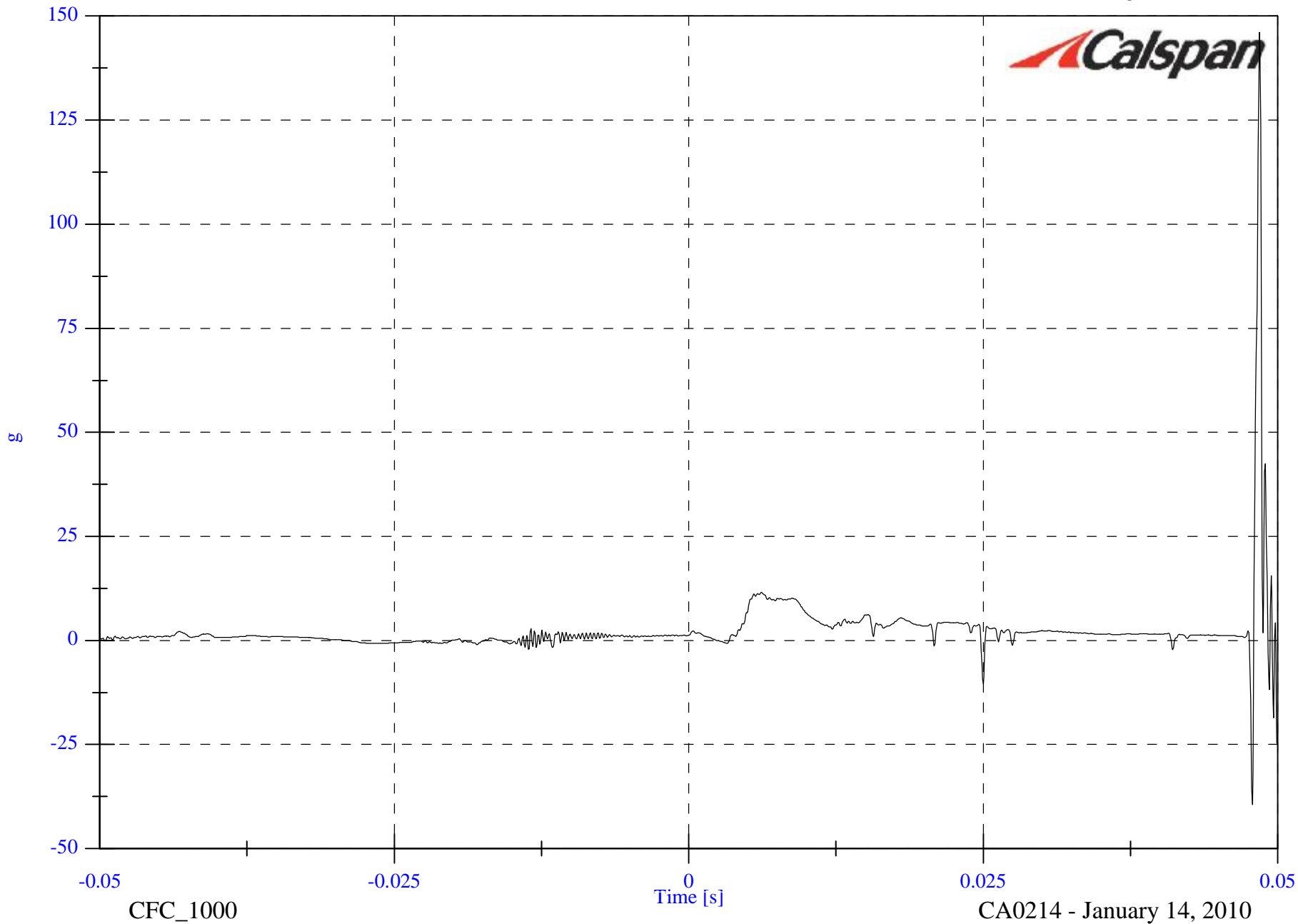
Max: 146.1 [g] at 0.048 [s]

Min: -39.5 [g] at 0.048 [s]



CA0214 PASSENGER SIDE SR2B IMPACT PLOT #3

CC2010-02



CFC_1000

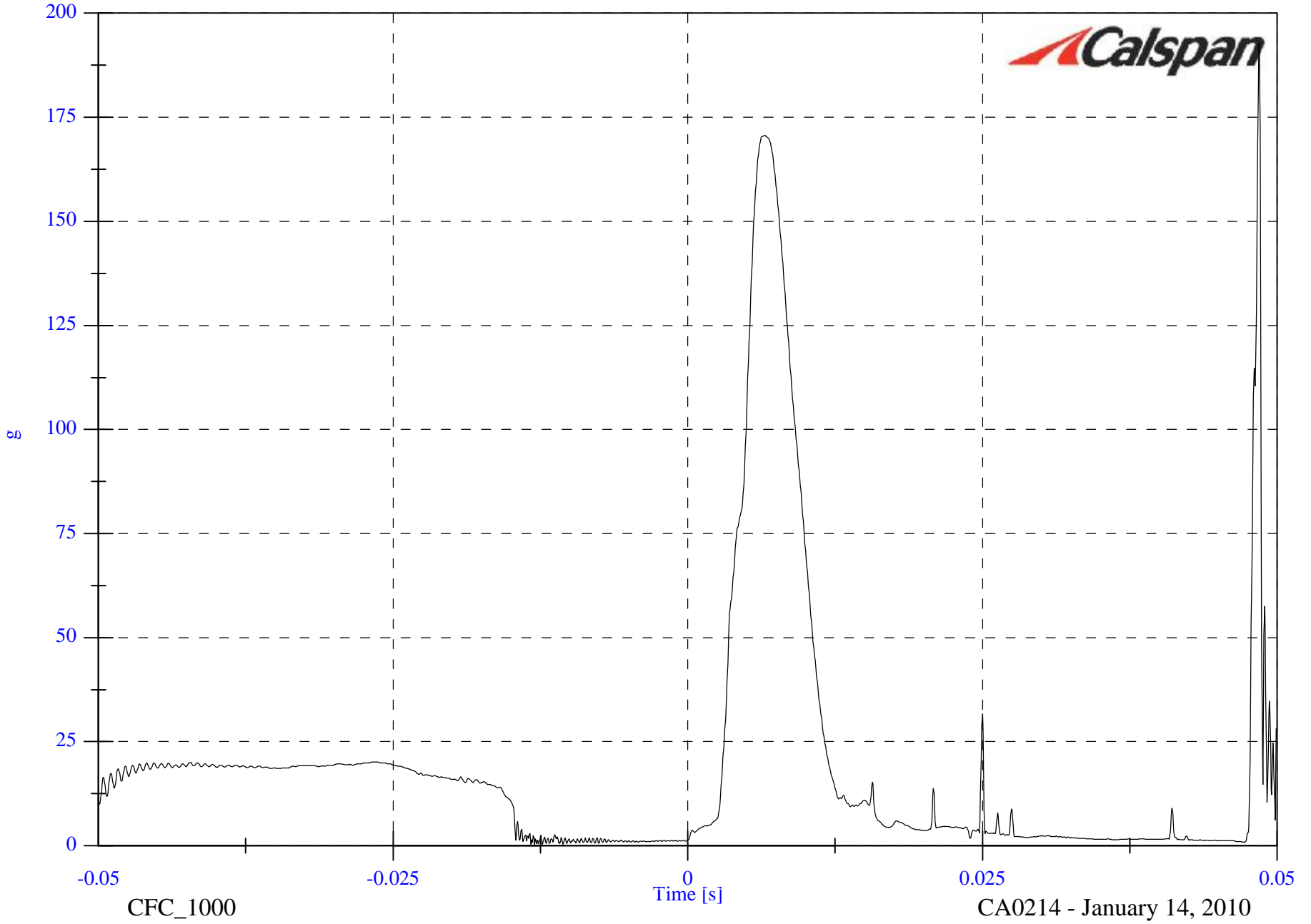
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 192.9 [g] at 0.048 [s]

Min: 0.3 [g] at -0.011 [s]



CA0214 PASSENGER SIDE SR2B IMPACT PLOT #4

CC2010-02

CFC_1000

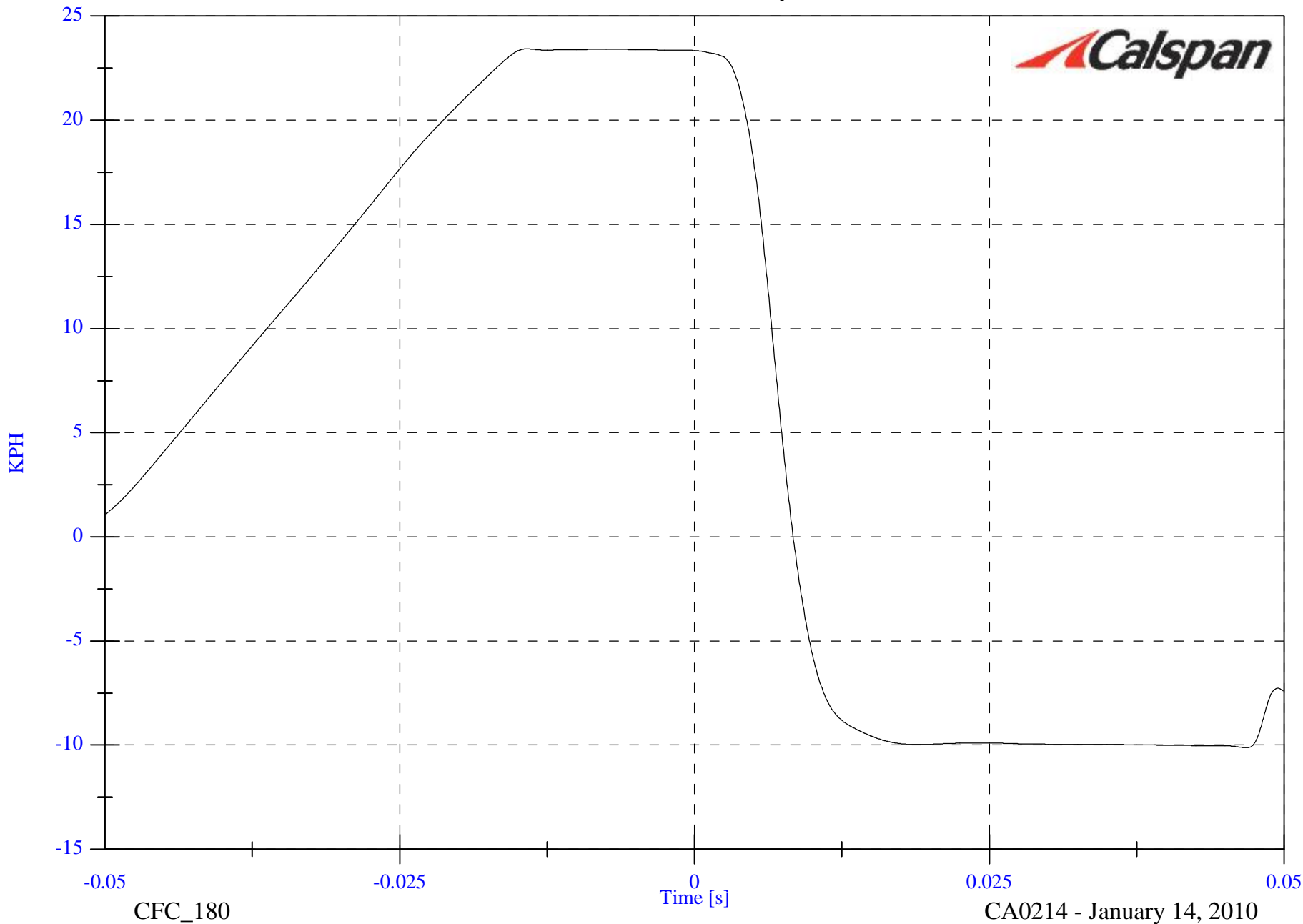
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Max: 23.4 [KPH] at -0.014 [s]

Headform Velocity

Min: -10.1 [KPH] at 0.047 [s]

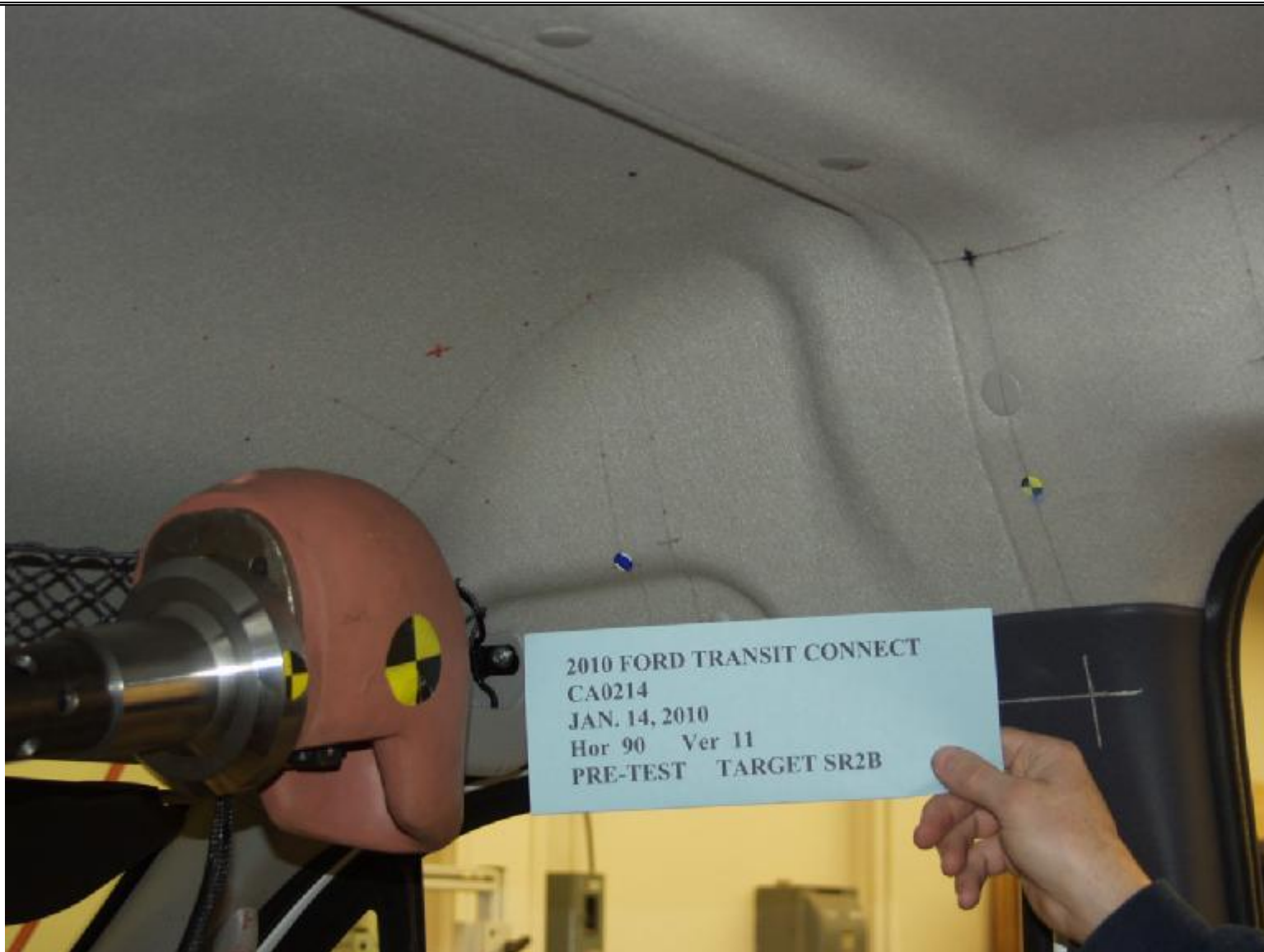


CA0214 PASSENGER SIDE SR2B IMPACT PLOT #5

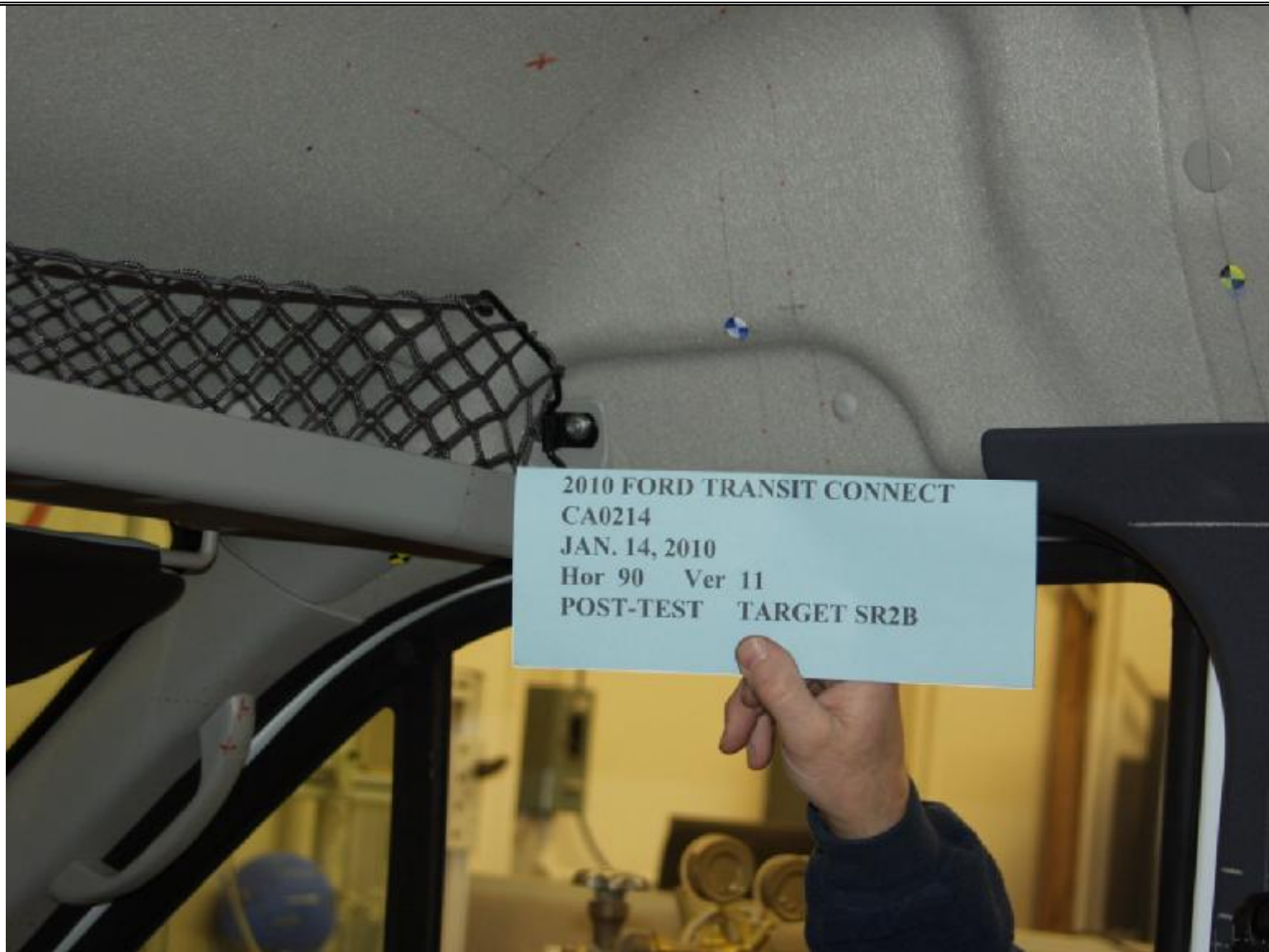
CC2010-02

CFC_180

CA0214 - January 14, 2010



PRE-IMPACT SR2B

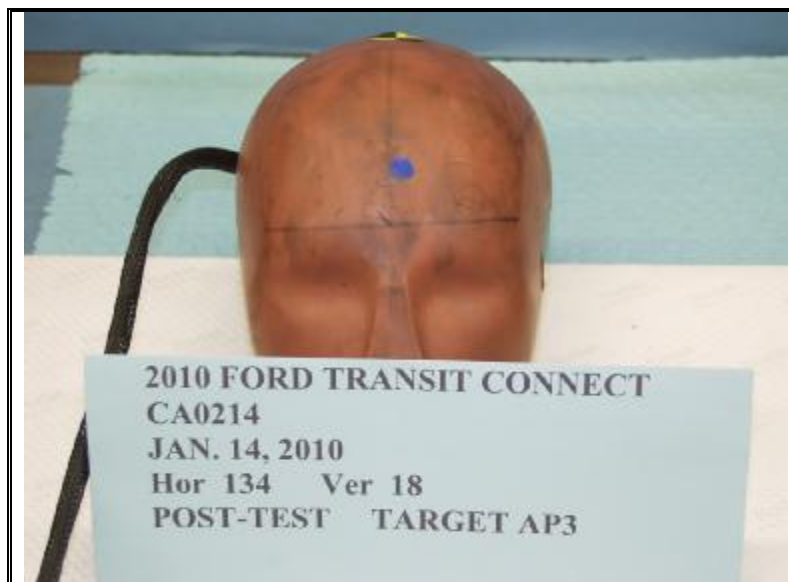


POST-IMPACT SR2B

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	07
Test Date:	01/14/10
Target Location:	A-PILLAR
Target Code:	AP3
Horizontal Impact Angle:	134
Vertical Impact Angle:	18
Ambient Temperature:	21°C
Relative Humidity:	21
Time of Impact:	15:41
Headform Number:	62

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	5	<input type="checkbox"/>	mm right <input checked="" type="checkbox"/> mm left
On Centerline	23		mm up



POST-IMPACT AP3 HEADFORM

Free Motion HIC	416.1
HIC(d)	480.3
Impact Velocity (kph)	23.55
HIC T1 (msec)	1.3
HIC T2 (msec)	7.9

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - AP3

FMH Headform 0062

Location: AP3

Test Date: January 14, 2010

Work File: AP3

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

Lab Temperature: 21 C

HICd: 480.3

Lab Humidity: 21 %

HIC (36ms): 416.1

Velocity at Impact: 23.55 KPH

t1: 1.3 msec

t2: 7.9 msec

Free Flight Distance: 218.29 mm

Duration: 6.5 msec

Average Acceleration: 11.7 g

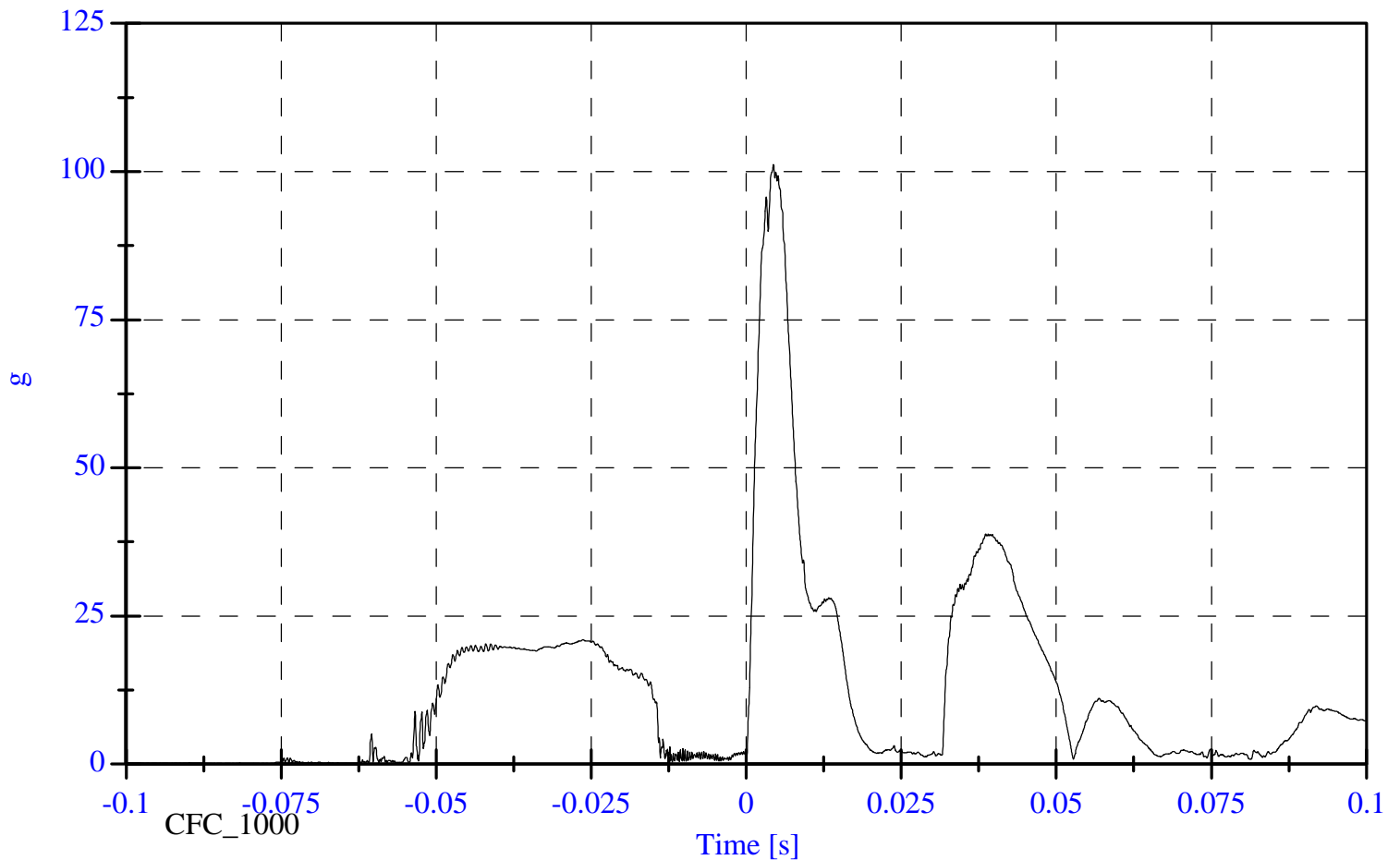
Maximum: 101.2 g

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 101.2 [g] at 0.004 [s]

Min: 0.0 [g] at -0.098 [s]



FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

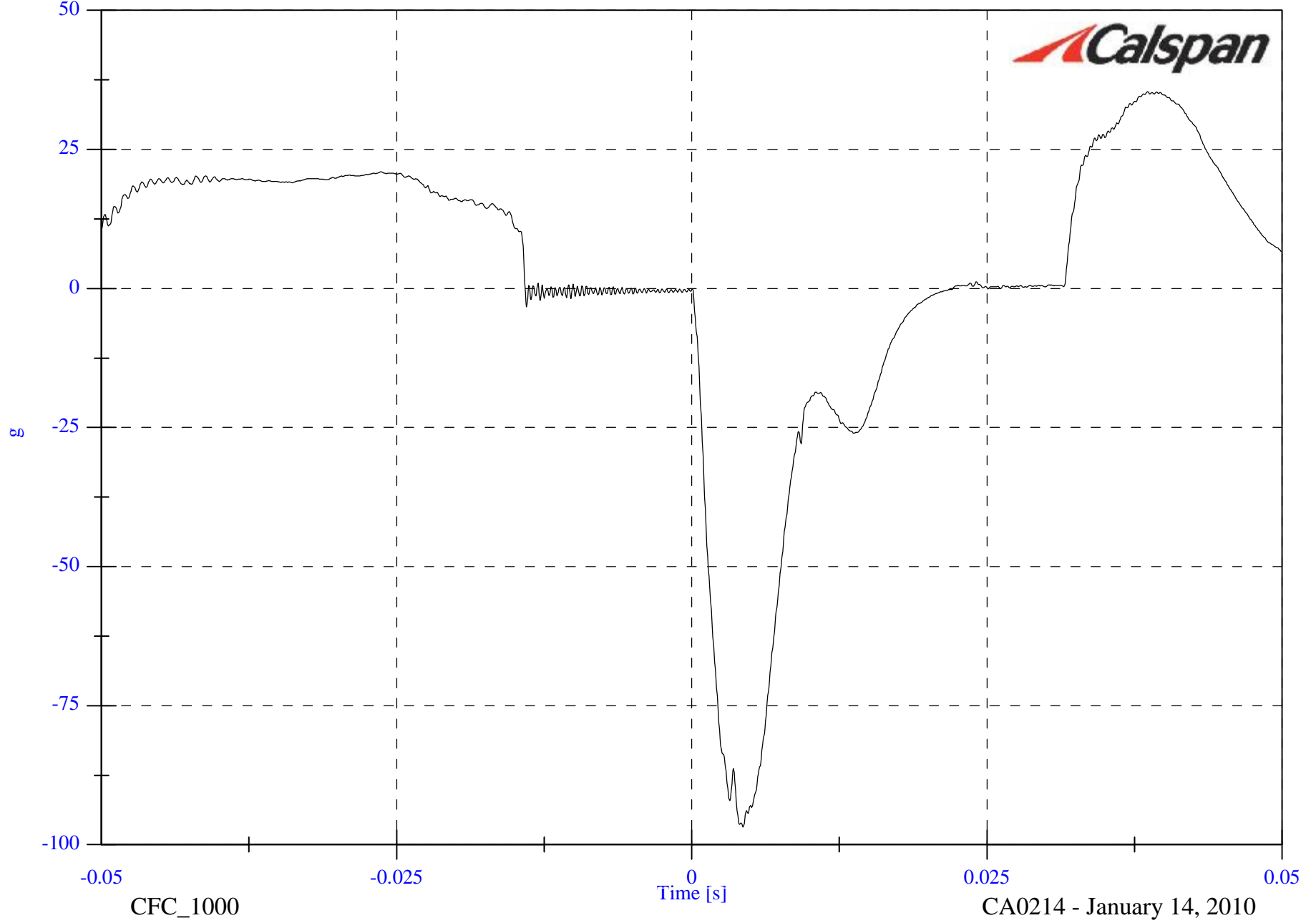
Max: 35.4 [g] at 0.039 [s]

Min: -96.9 [g] at 0.004 [s]



CA0214 PASSENGER SIDE AP3 IMPACT PLOT #1

CC2010-02



CFC_1000

CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

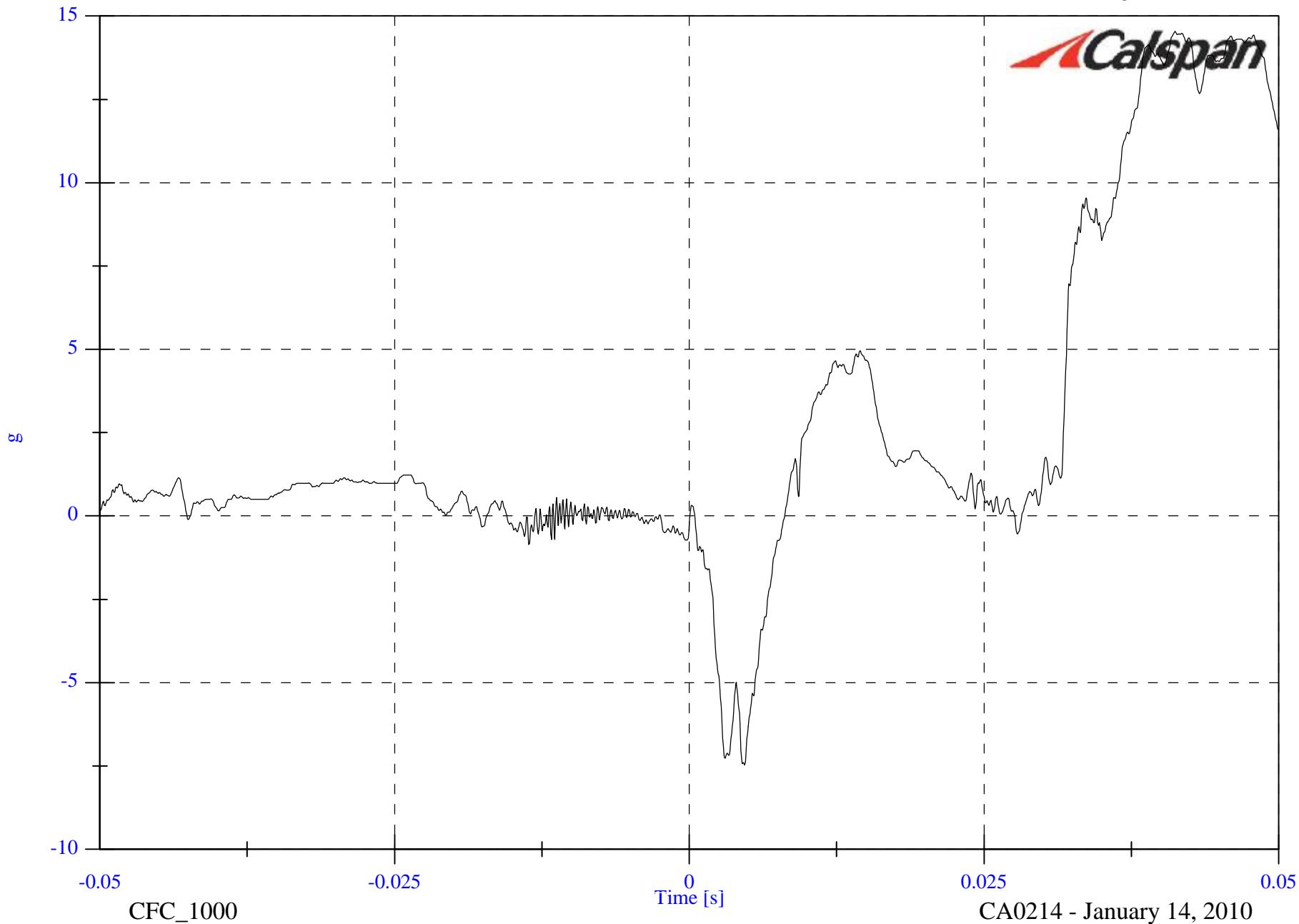
Max: 14.5 [g] at 0.041 [s]

Min: -7.5 [g] at 0.005 [s]



CA0214 PASSENGER SIDE AP3 IMPACT PLOT #2

CC2010-02



CFC_1000

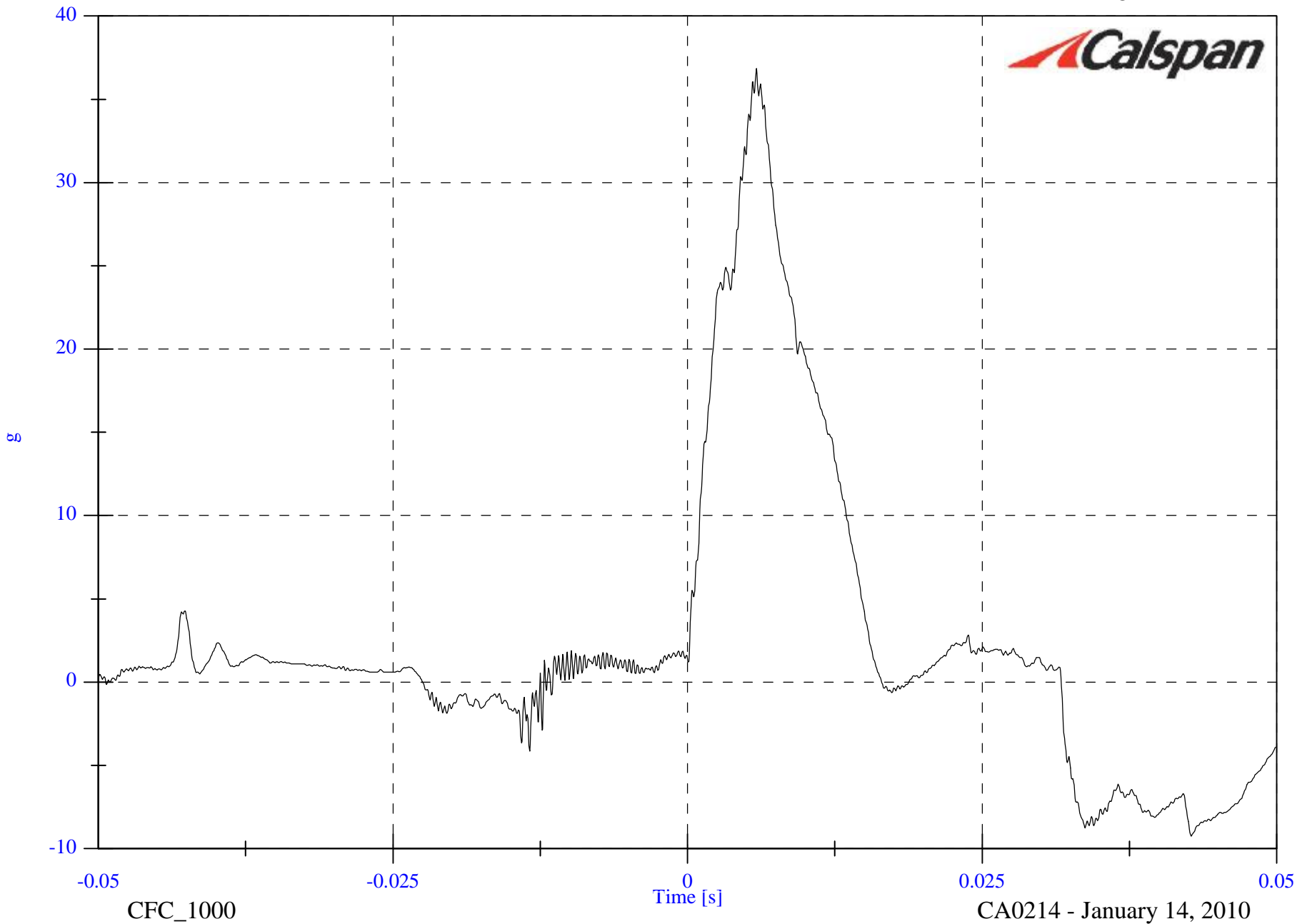
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

Max: 36.8 [g] at 0.006 [s]

Min: -9.2 [g] at 0.043 [s]



CA0214 PASSENGER SIDE AP3 IMPACT PLOT #3

CC2010-02

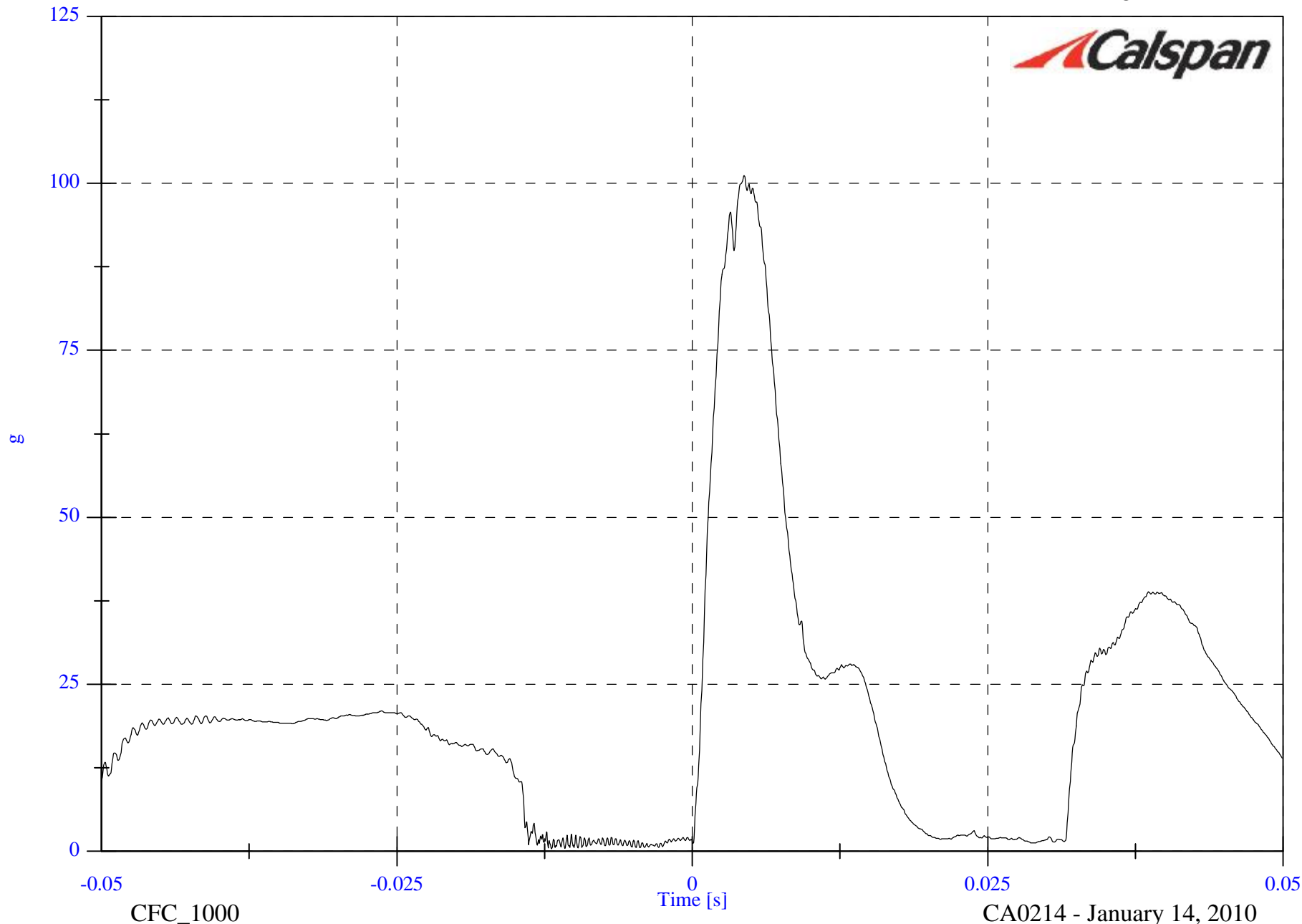
CFC_1000

CA0214 - January 14, 2010



CA0214 PASSENGER SIDE AP3 IMPACT PLOT #4

CC2010-02



CFC_1000

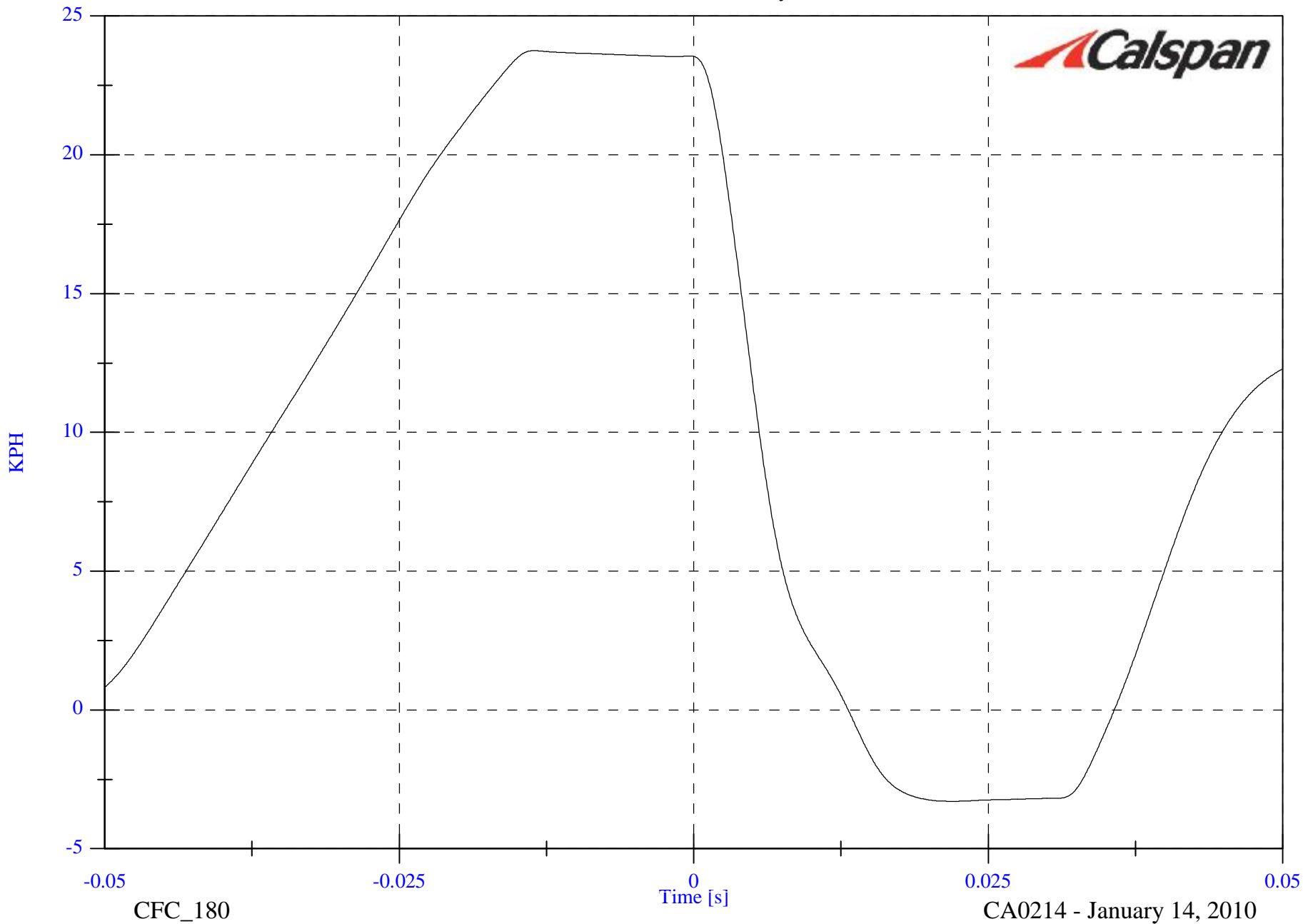
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Velocity

Max: 23.8 [KPH] at -0.014 [s]

Min: -3.3 [KPH] at 0.022 [s]

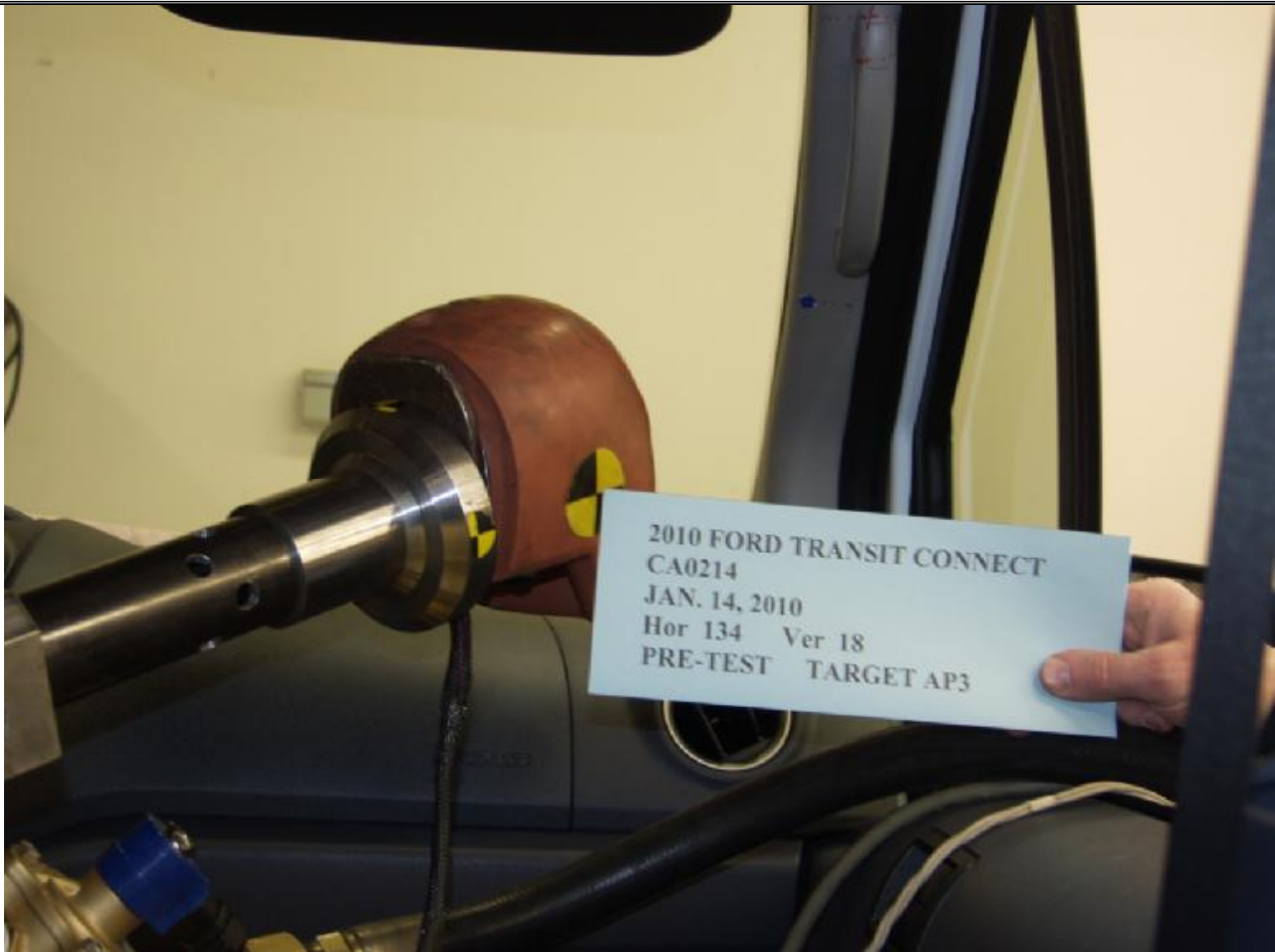


CA0214 PASSENGER SIDE AP3 IMPACT PLOT #5

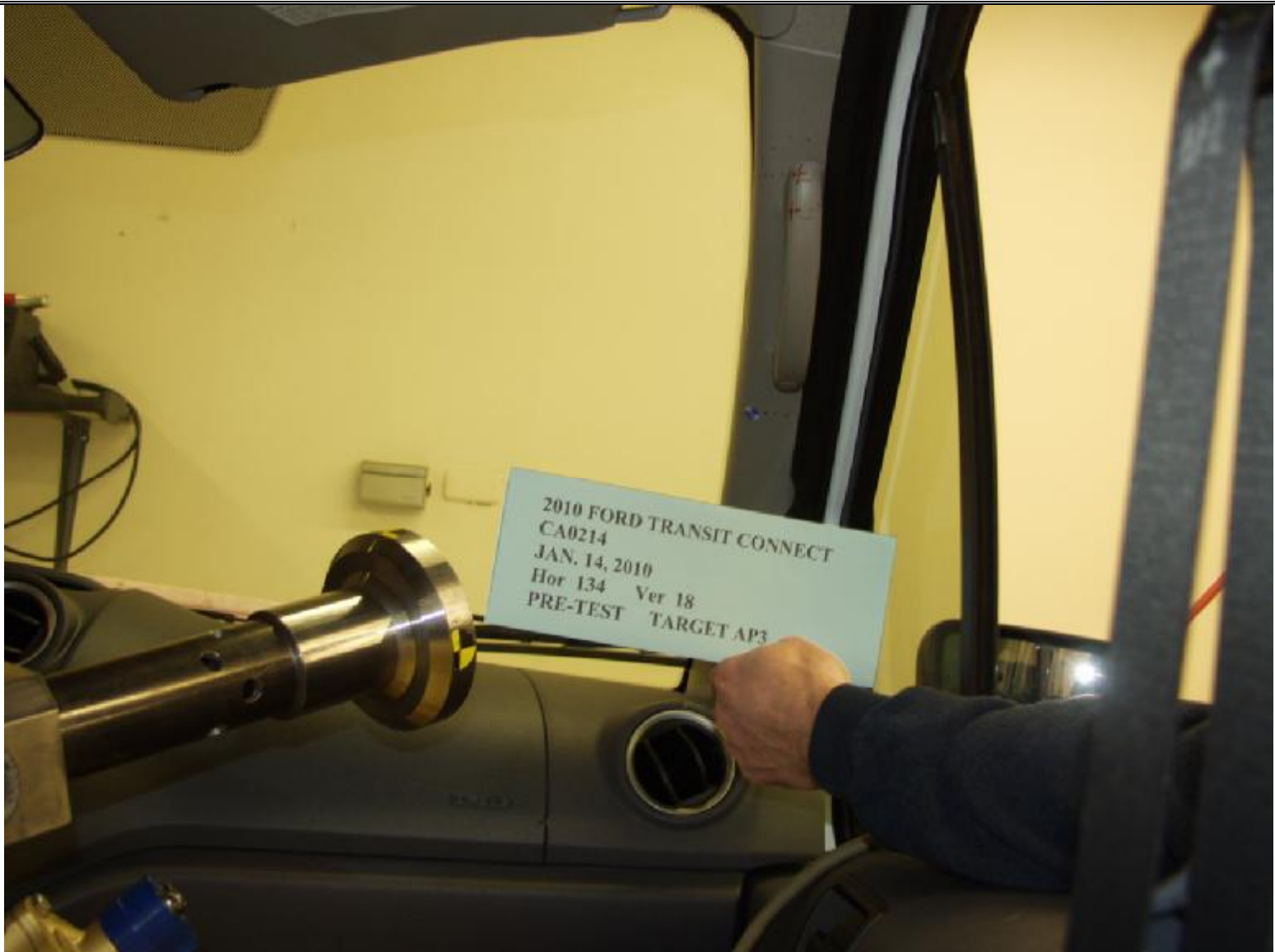
CC2010-02

CFC_180

CA0214 - January 14, 2010



PRE-IMPACT AP3

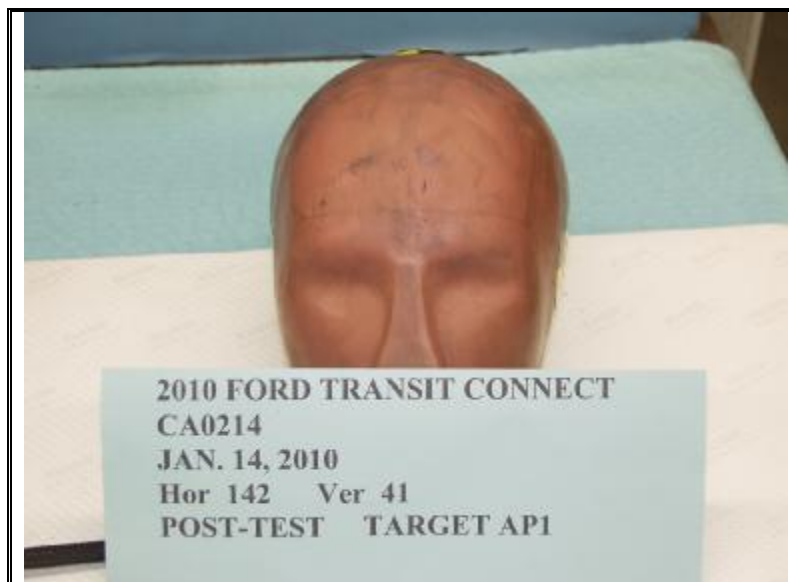


POST-IMPACT AP3

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	08
Test Date:	01/14/10
Target Location:	A-PILLAR
Target Code:	AP1
Horizontal Impact Angle:	142
Vertical Impact Angle:	41
Ambient Temperature:	21°C
Relative Humidity:	21
Time of Impact:	16:05
Headform Number:	805

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



POST-IMPACT AP1 HEADFORM

Free Motion HIC	848.3
HIC(d)	806.4
Impact Velocity (kph)	23.79
HIC T1 (msec)	1.8
HIC T2 (msec)	8.1

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - AP1

FMH Headform 0805

Location: AP1

Test Date: January 14, 2010

Work File: AP1

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

Lab Temperature: 21 C

HICd: 806.4

Lab Humidity: 21 %

HIC (36ms): 848.3

Velocity at Impact: 23.79 KPH

t1: 1.8 msec

t2: 8.1 msec

Free Flight Distance: 224.57 mm

Duration: 6.3 msec

Average Acceleration: 8.6 g

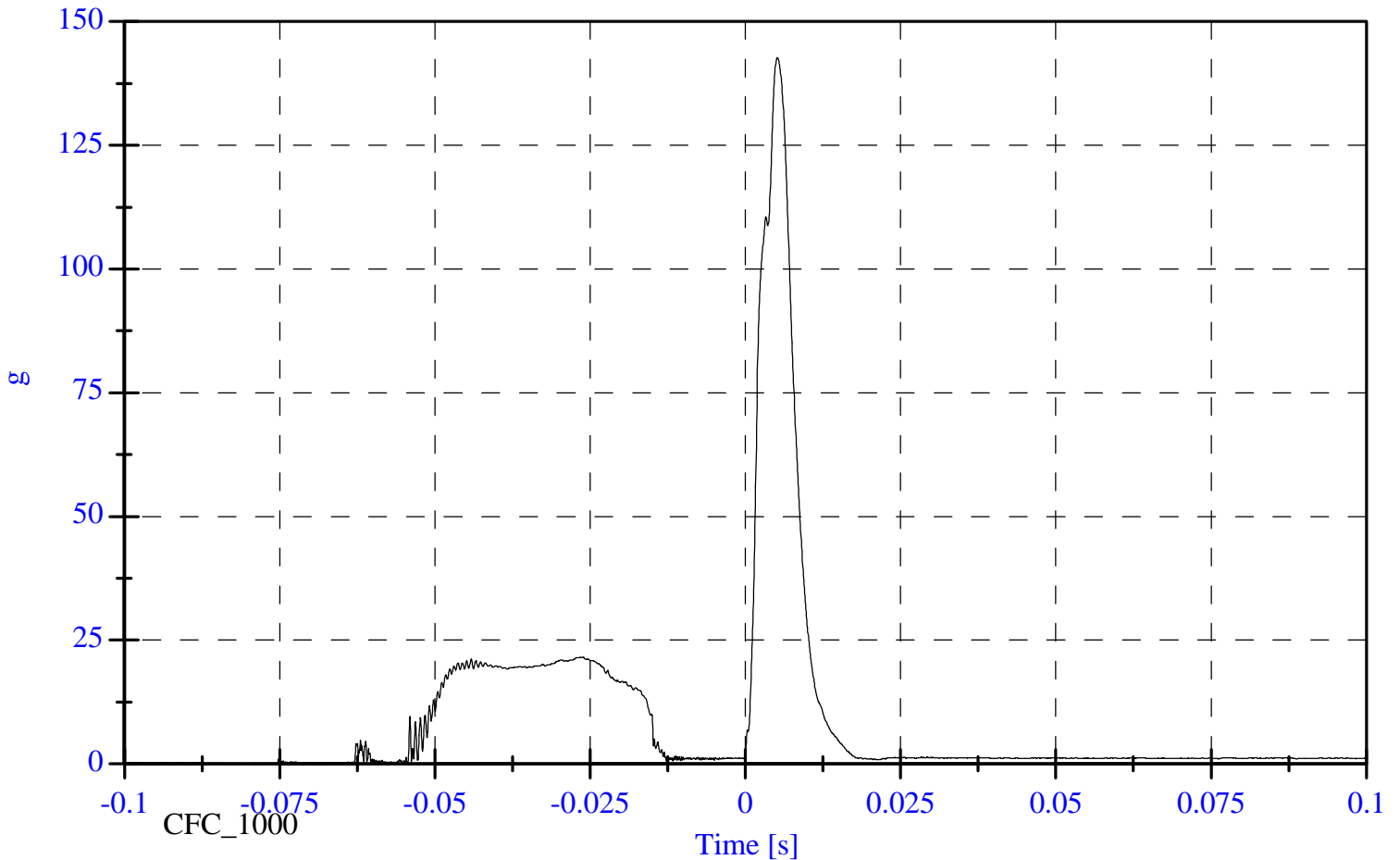
Maximum: 142.7 g

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 142.7 [g] at 0.005 [s]

Min: 0.0 [g] at -0.080 [s]

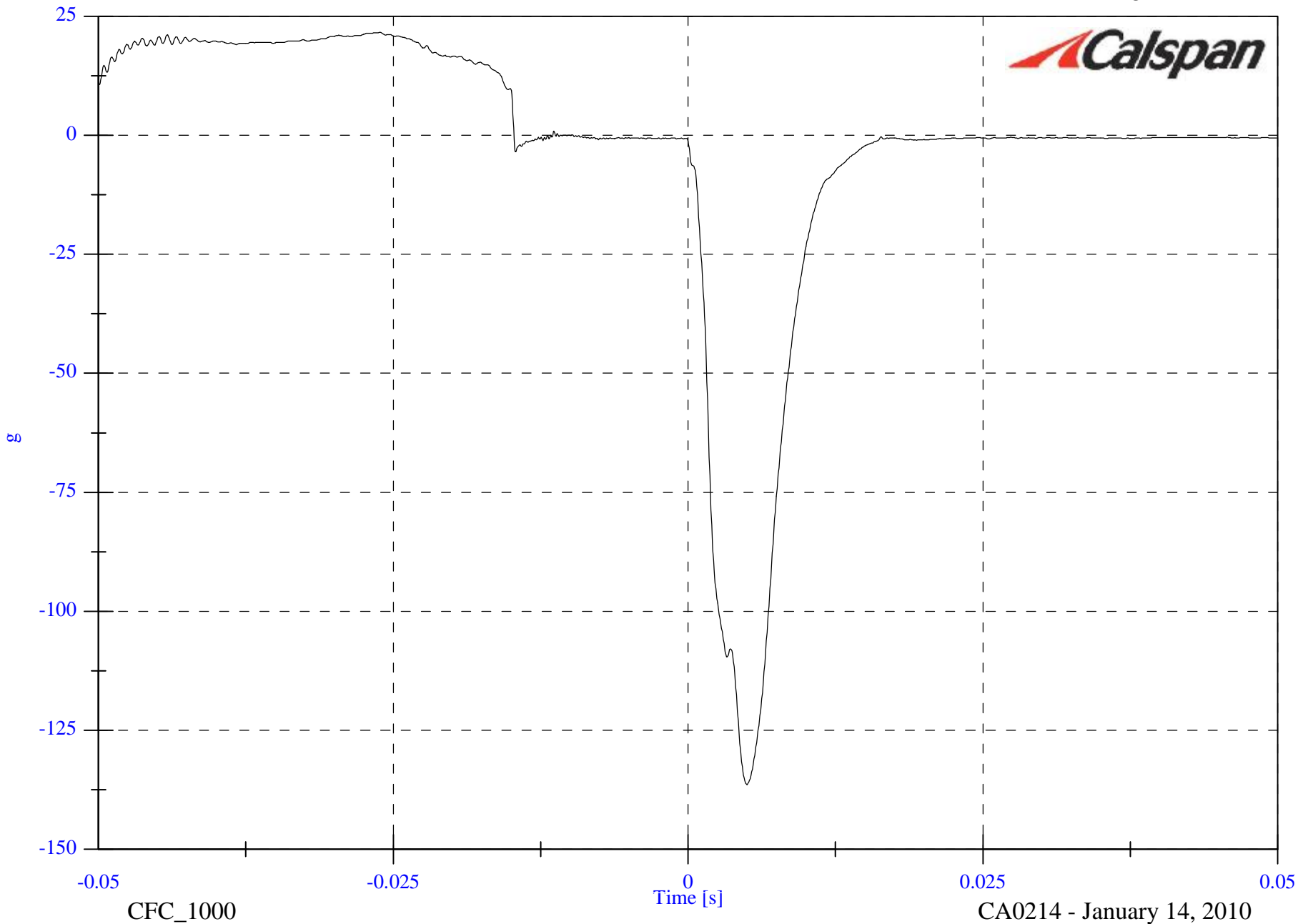


FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

Max: 21.6 [g] at -0.026 [s]

Min: -136.4 [g] at 0.005 [s]



CA0214 PASSENGER SIDE AP1 IMPACT PLOT #1

CC2010-02

CFC_1000

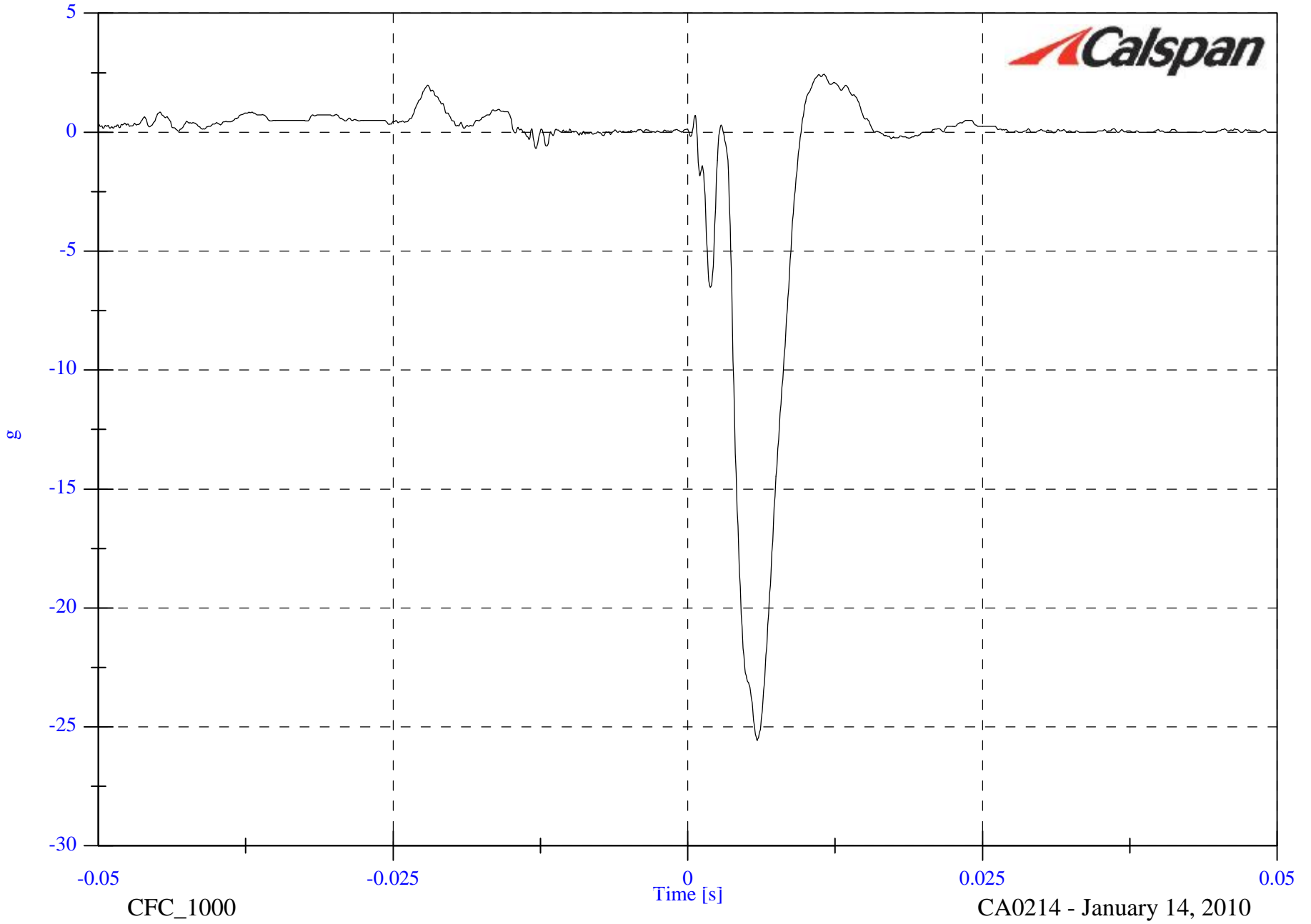
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

Max: 2.4 [g] at 0.012 [s]

Min: -25.6 [g] at 0.006 [s]



CA0214 PASSENGER SIDE AP1 IMPACT PLOT #2

CC2010-02

CFC_1000

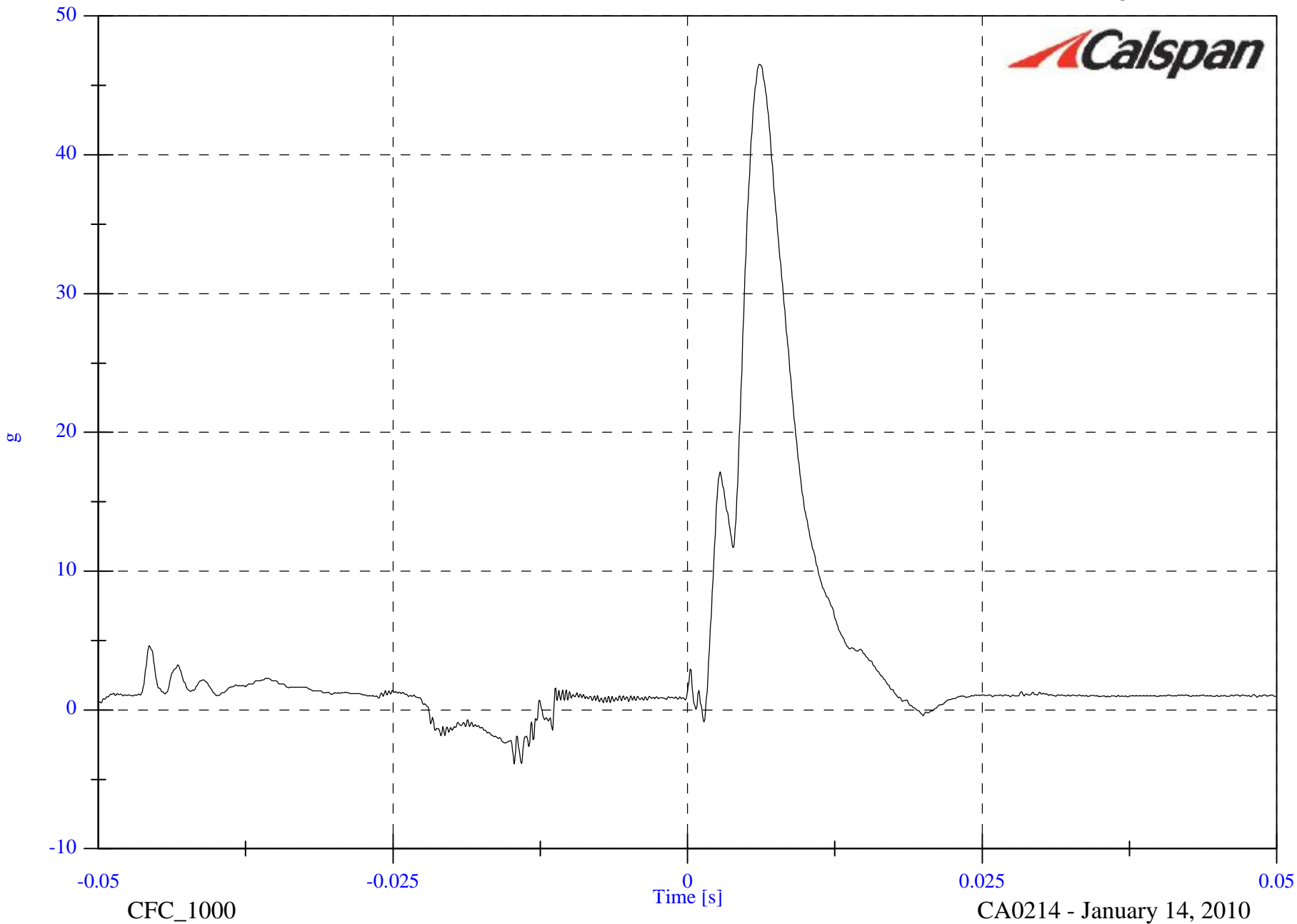
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

Max: 46.5 [g] at 0.006 [s]

Min: -3.9 [g] at -0.015 [s]



CA0214 PASSENGER SIDE AP1 IMPACT PLOT #3

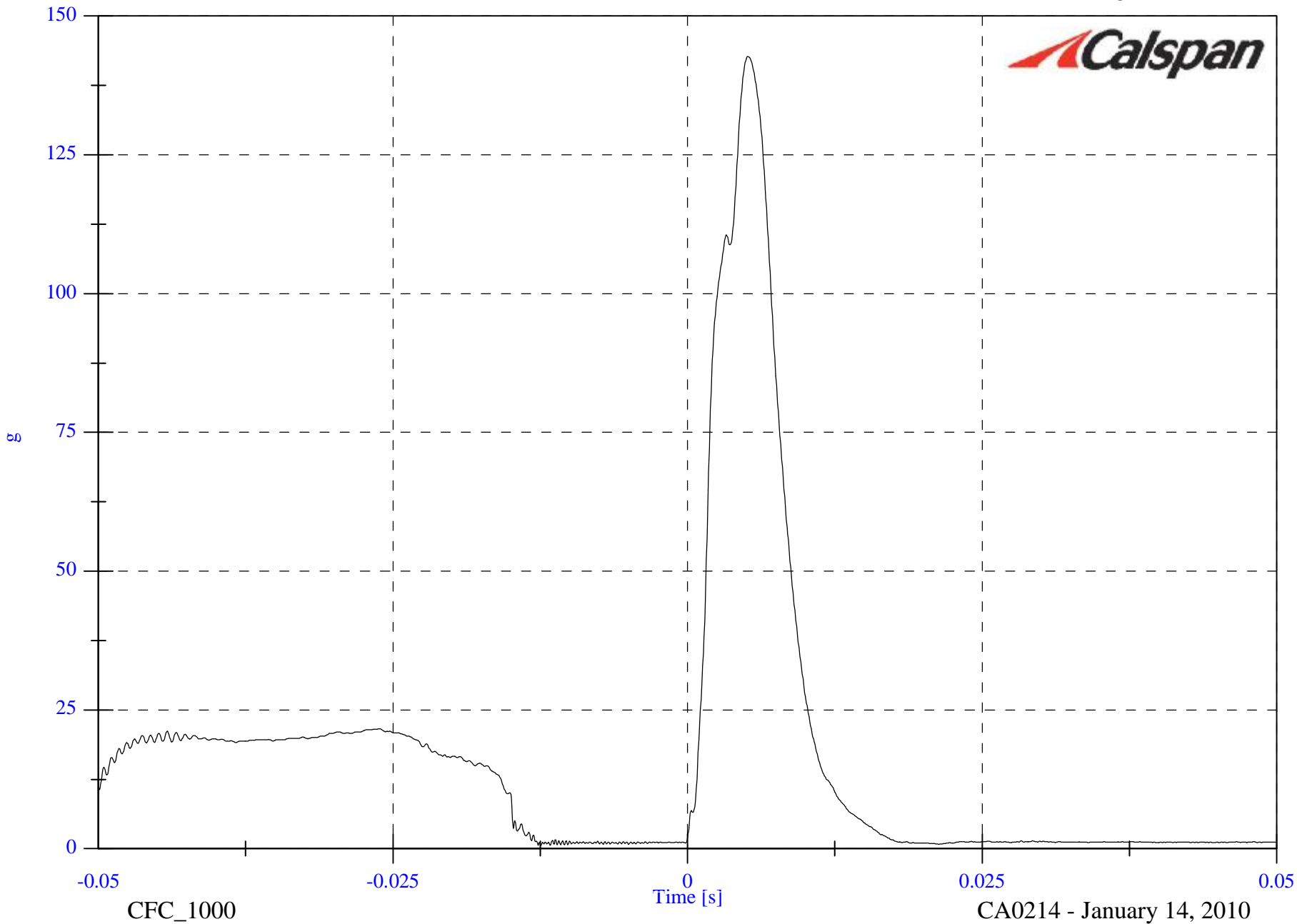
CC2010-02

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 142.7 [g] at 0.005 [s]

Min: 0.5 [g] at -0.012 [s]



CA0214 PASSENGER SIDE AP1 IMPACT PLOT #4

CC2010-02

CFC_1000

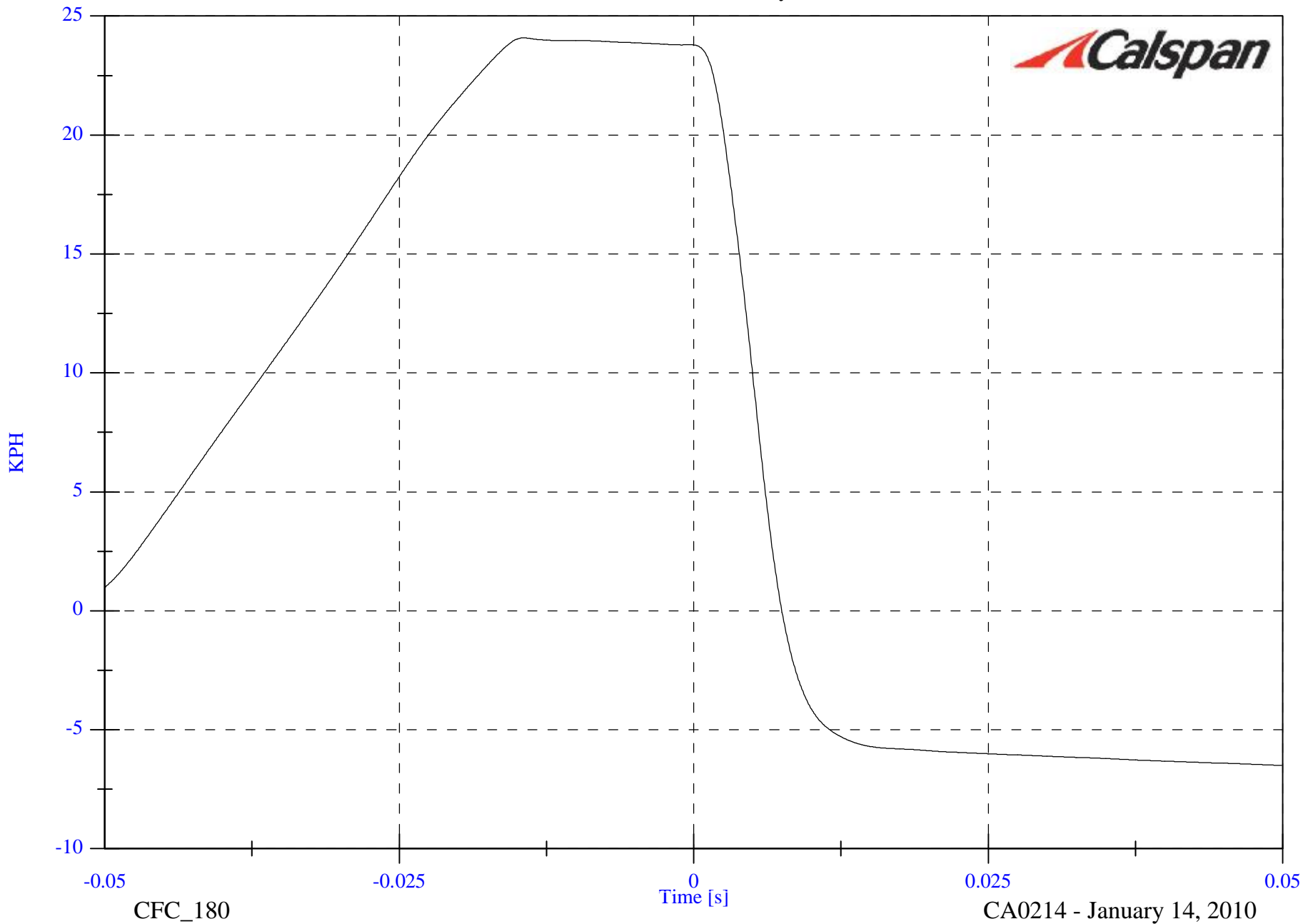
CA0214 - January 14, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

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

Headform Velocity

Min: -6.5 [KPH] at 0.050 [s]



CA0214 PASSENGER SIDE AP1 IMPACT PLOT #5

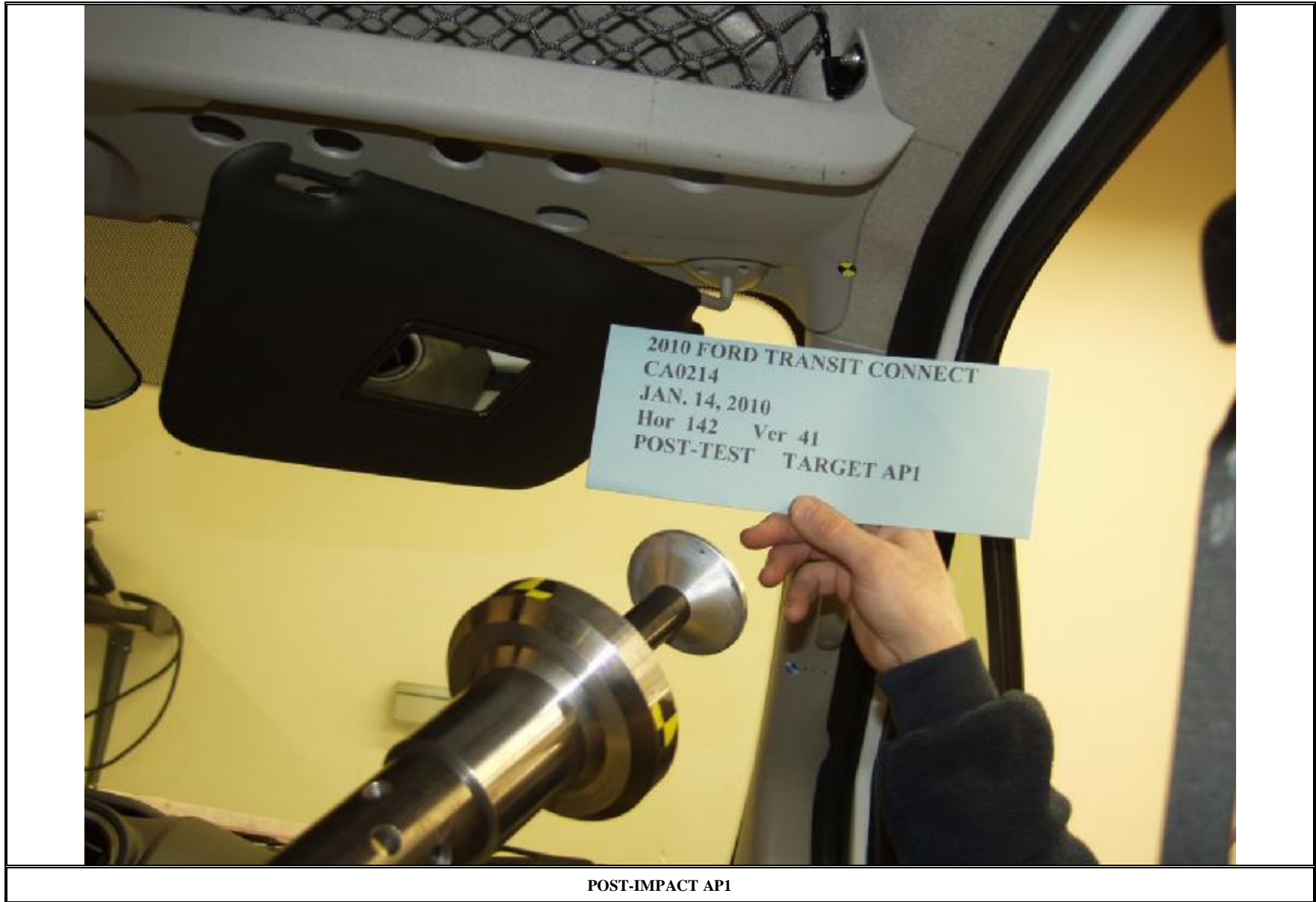
CC2010-02

CFC_180

CA0214 - January 14, 2010



PRE-IMPACT API

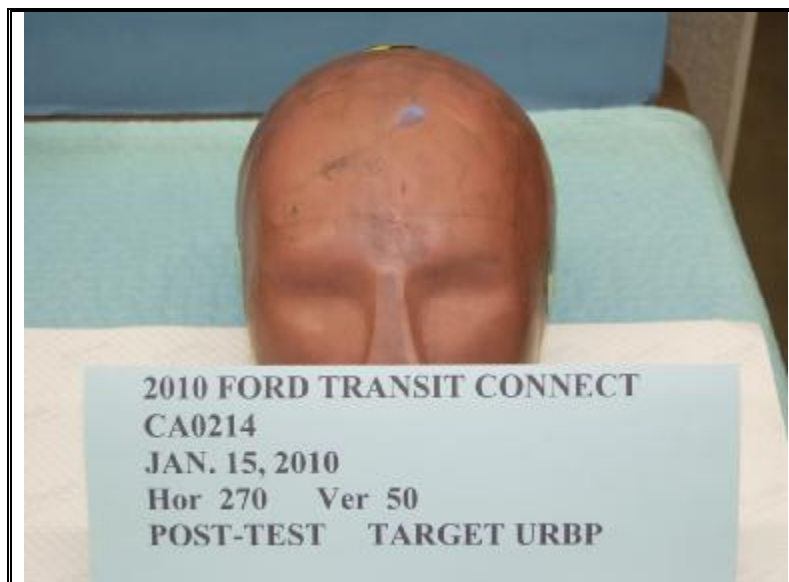


POST-IMPACT API

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	09
Test Date:	01/15/10
Target Location:	UPPER ROOF
Target Code:	URBP
Horizontal Impact Angle:	270
Vertical Impact Angle:	50
Ambient Temperature:	20°C
Relative Humidity:	24
Time of Impact:	9:30
Headform Number:	805

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	10	<input type="checkbox"/>	mm right <input checked="" type="checkbox"/> mm left
On Centerline	48		mm up



POST-IMPACT URBP HEADFORM

Free Motion HIC	873.2
HIC(d)	825.2
Impact Velocity (kph)	23.7
HIC T1 (msec)	1.7
HIC T2 (msec)	7.0

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - URBP

FMH Headform 0805

Location: URBP

Test Date: January 15, 2010

Work File: URBP

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

Lab Temperature: 20 C

HICd: 825.2

Lab Humidity: 24 %

HIC (36ms): 873.2

Velocity at Impact: 23.70 KPH

t1: 1.7 msec

t2: 7.0 msec

Free Flight Distance: 220.74 mm

Duration: 5.3 msec

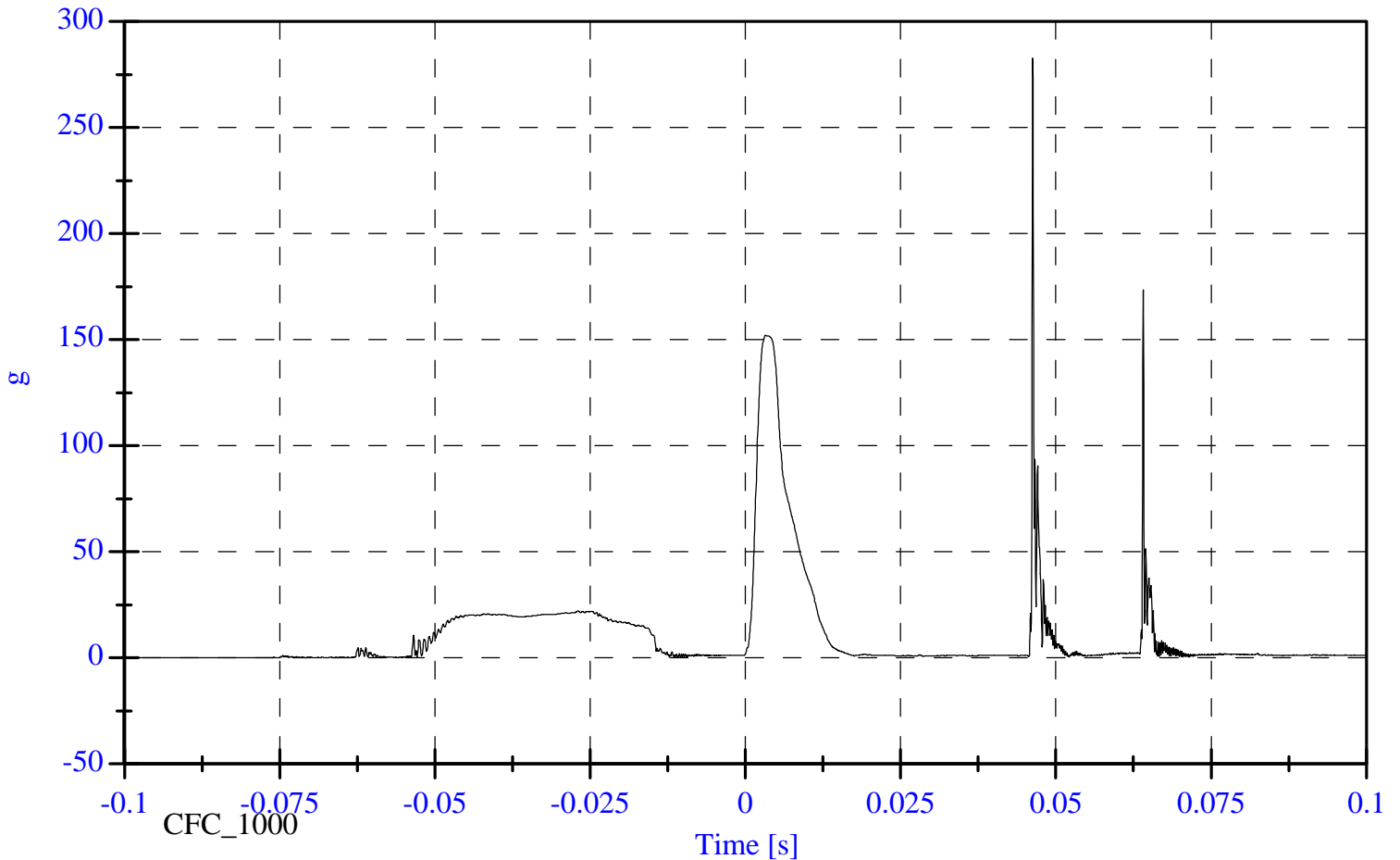
Average Acceleration: 10.2 g

Maximum: 152.0 g

FMVSS 201U 2010 FORD TRANSIT CONNECT
Headform Resultant

Max: 152.0 [g] at 0.003 [s]

Min: -0.0 [g] at -0.100 [s]



FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

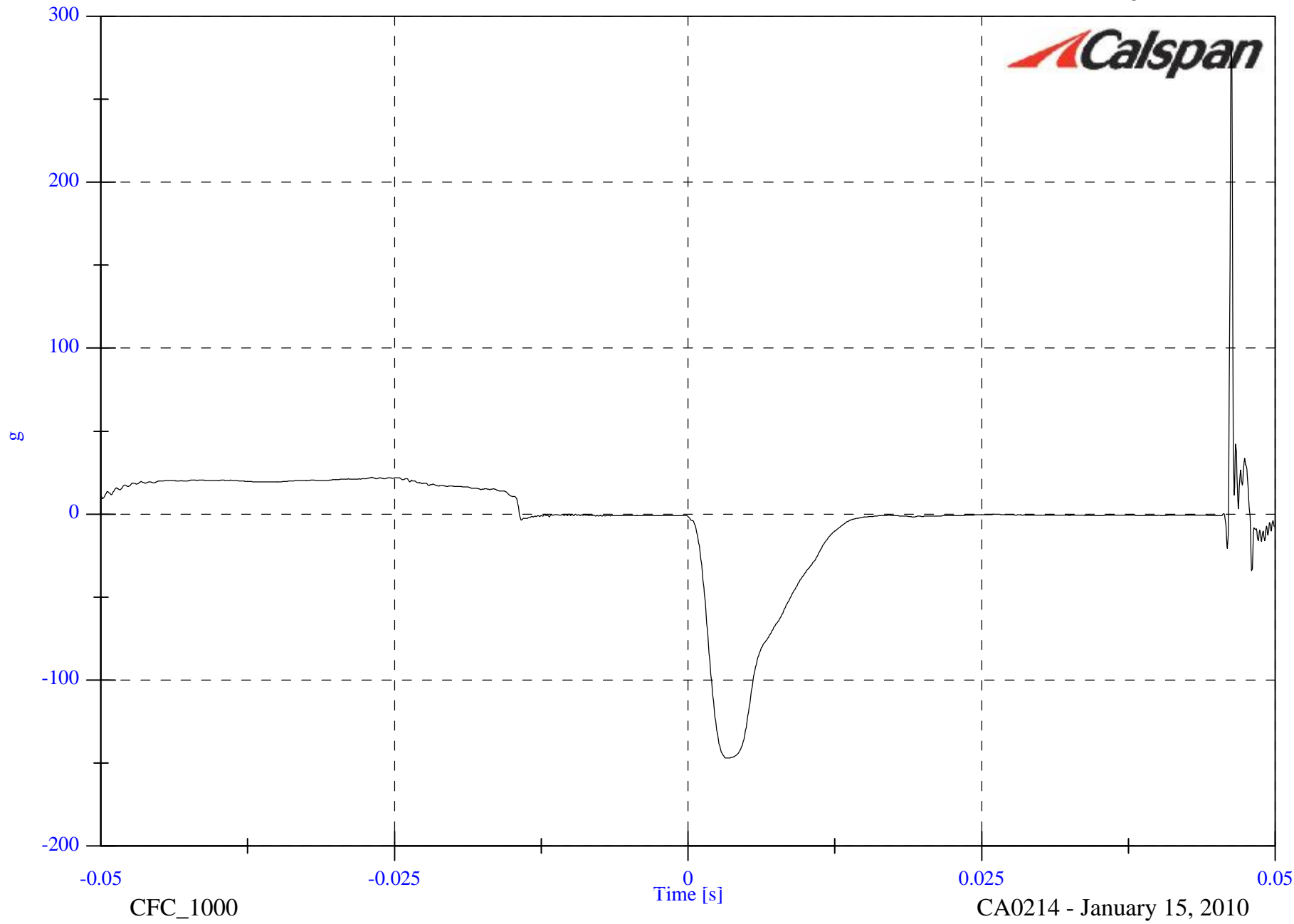
Max: 282.4 [g] at 0.046 [s]

Min: -147.0 [g] at 0.003 [s]



CA0214 DRIVER SIDE URBP IMPACT PLOT #1

CC2010-02



CFC_1000

CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

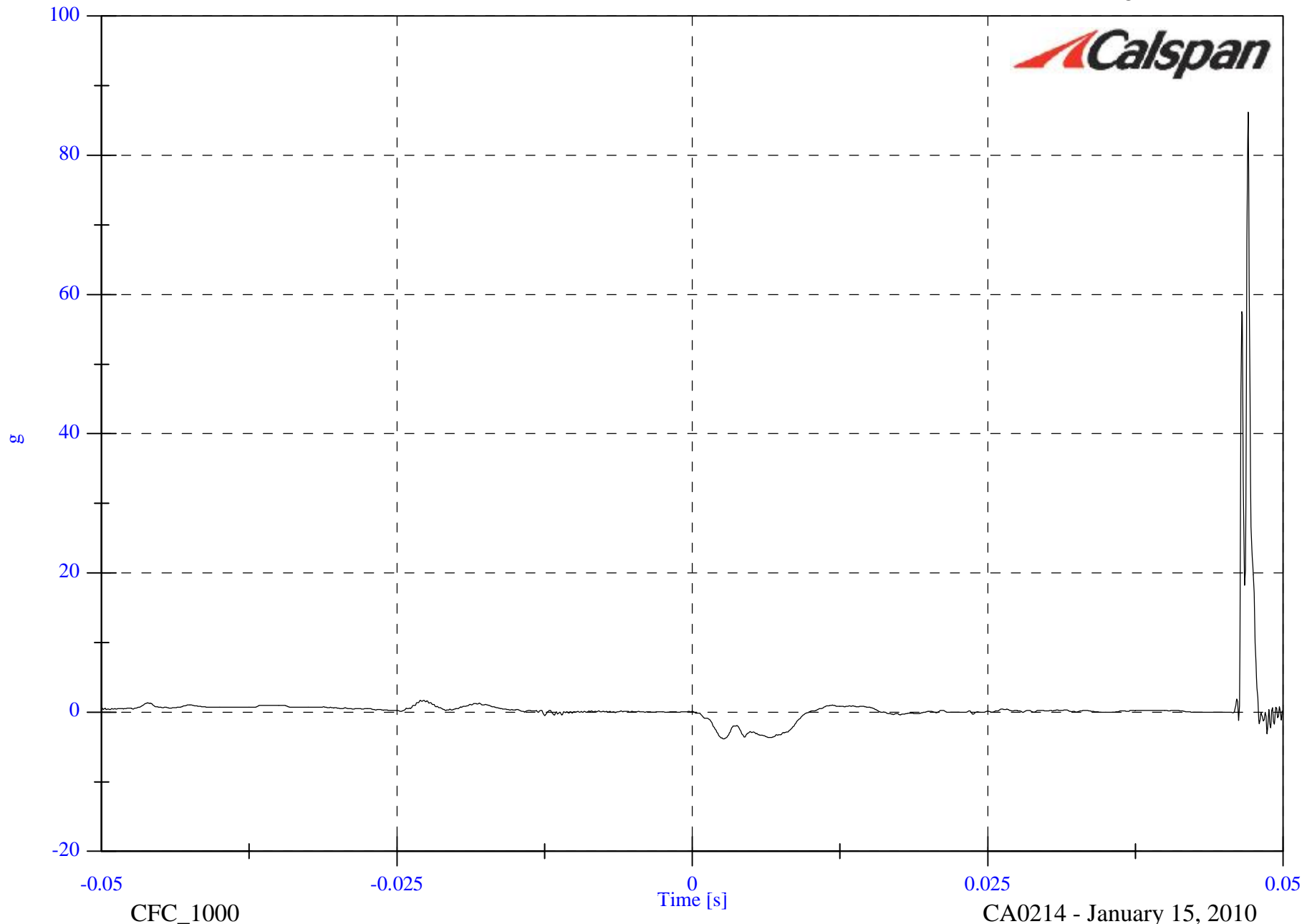
Max: 86.2 [g] at 0.047 [s]

Min: -3.9 [g] at 0.003 [s]



CA0214 DRIVER SIDE URBP IMPACT PLOT #2

CC2010-02



CFC_1000

CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

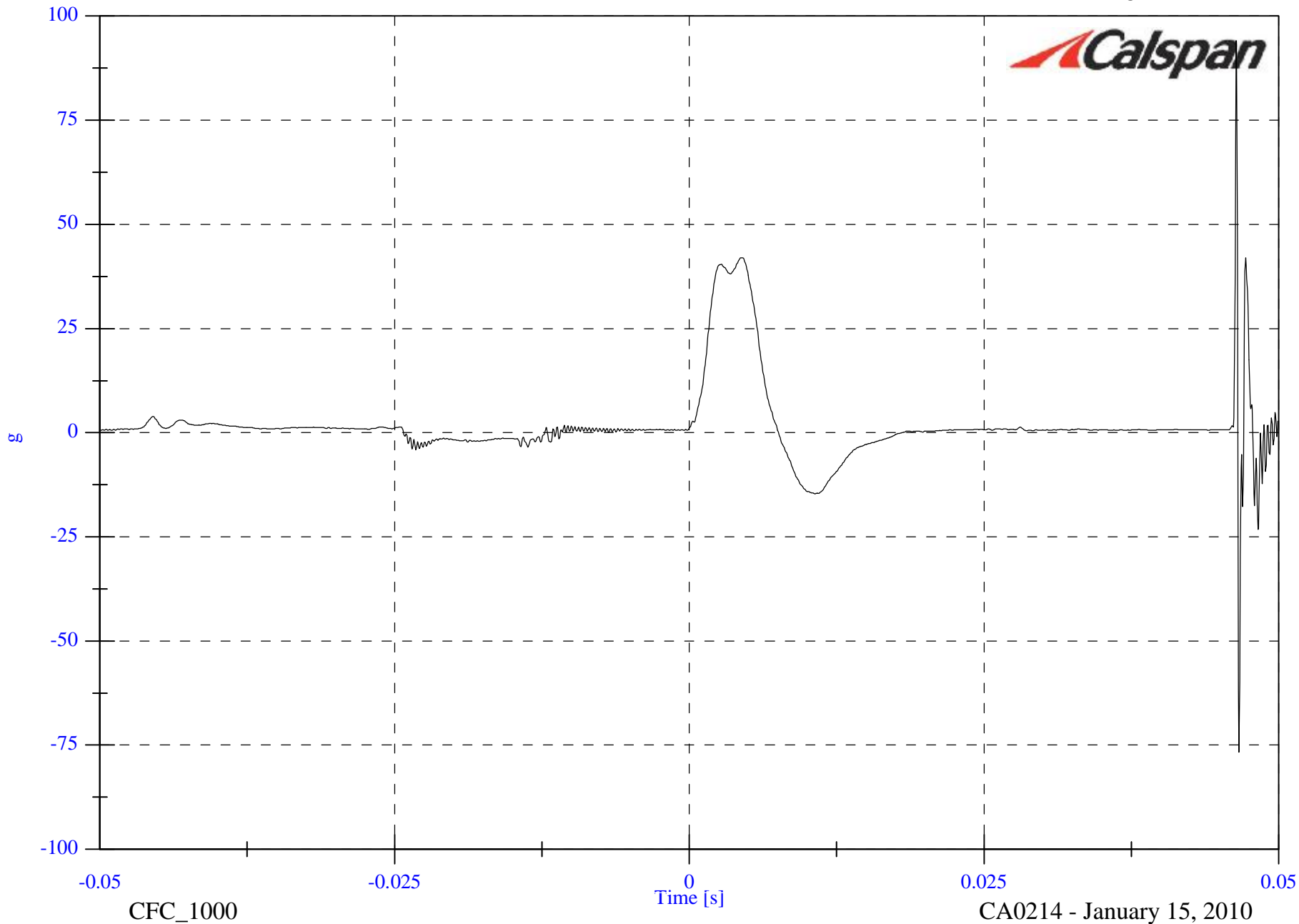
Max: 94.2 [g] at 0.046 [s]

Min: -76.7 [g] at 0.047 [s]



CA0214 DRIVER SIDE URBP IMPACT PLOT #3

CC2010-02



CFC_1000

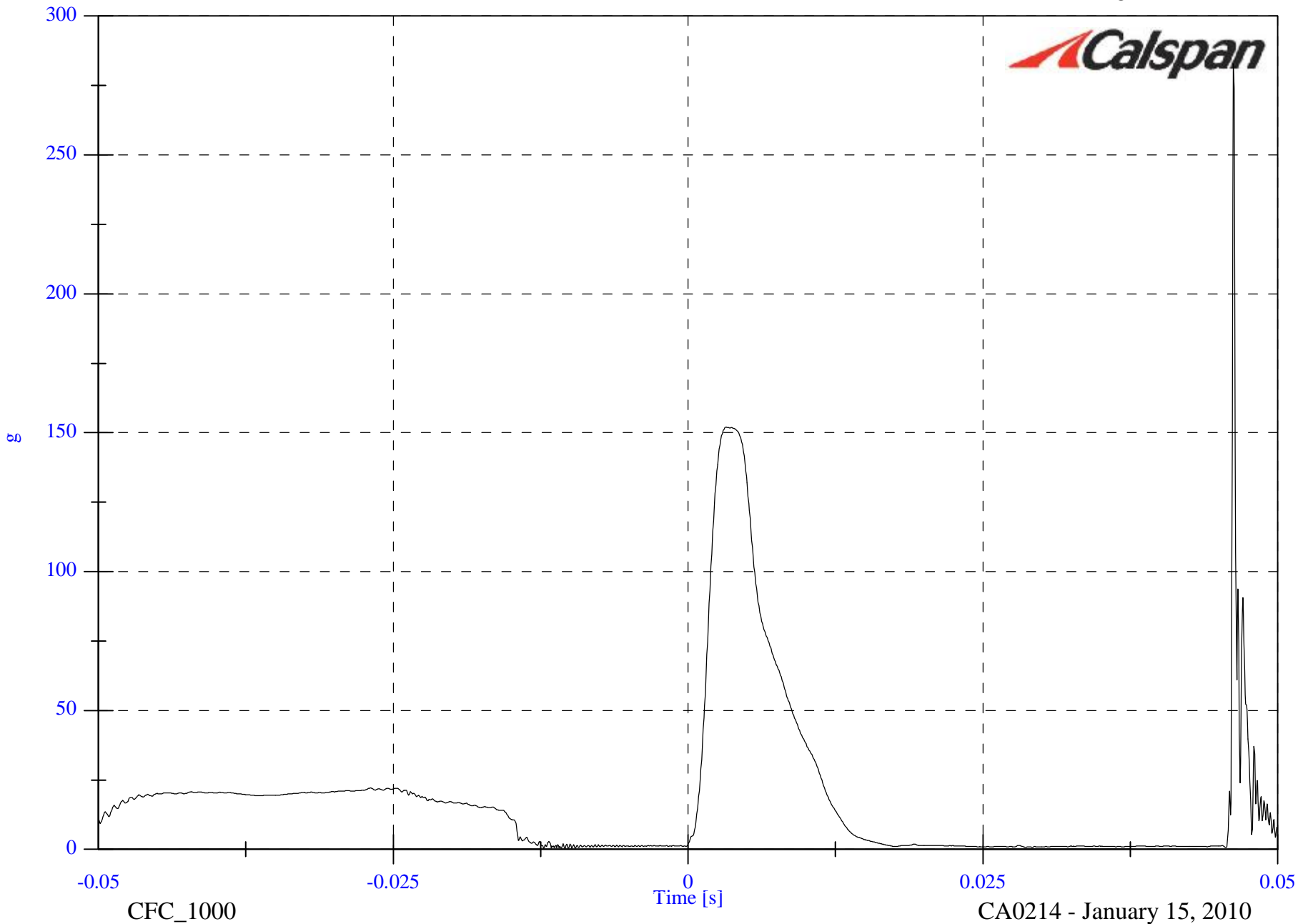
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 282.8 [g] at 0.046 [s]

Min: 0.3 [g] at -0.012 [s]



CA0214 DRIVER SIDE URBP IMPACT PLOT #4

CC2010-02

CFC_1000

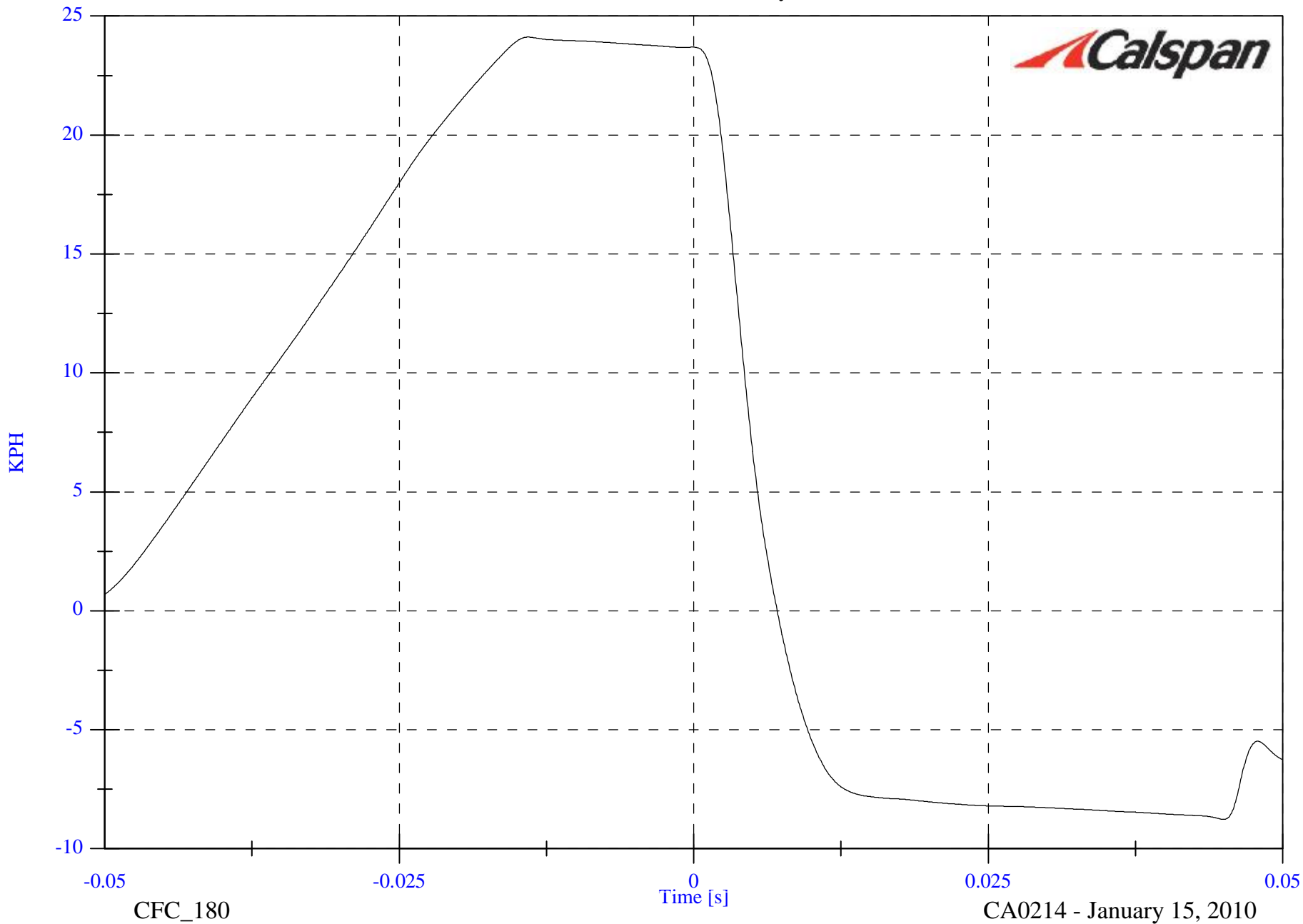
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

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

Headform Velocity

Min: -8.8 [KPH] at 0.045 [s]



CA0214 DRIVER SIDE URBP IMPACT PLOT #5

CC2010-02

CFC_180

CA0214 - January 15, 2010



PRE-IMPACT URBP



POST-IMPACT URBP

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	10
Test Date:	01/15/10
Target Location:	SIDE RAIL
Target Code:	SR3
Horizontal Impact Angle:	270
Vertical Impact Angle:	6
Ambient Temperature:	20°C
Relative Humidity:	24
Time of Impact:	10:15
Headform Number:	355

Impact Point Description (from lower midpoint on midsagittal line)					
On Centerline	31	<input checked="" type="checkbox"/>	mm right	<input type="checkbox"/>	mm left
On Centerline	16				mm up



POST-IMPACT SR3 HEADFORM

Free Motion HIC	609.0
HIC(d)	625.9
Impact Velocity (kph)	23.52
HIC T1 (msec)	7.6
HIC T2 (msec)	14.0

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - SR3

FMH Headform 0355

Location: SR3

Test Date: January 15, 2010

Work File: SR3

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

Lab Temperature: 20 C

HICd: 625.9

Lab Humidity: 24 %

HIC (36ms): 609.0

Velocity at Impact: 23.52 KPH

t1: 7.6 msec

t2: 14.0 msec

Free Flight Distance: 220.17 mm

Duration: 6.4 msec

Average Acceleration: 8.5 g

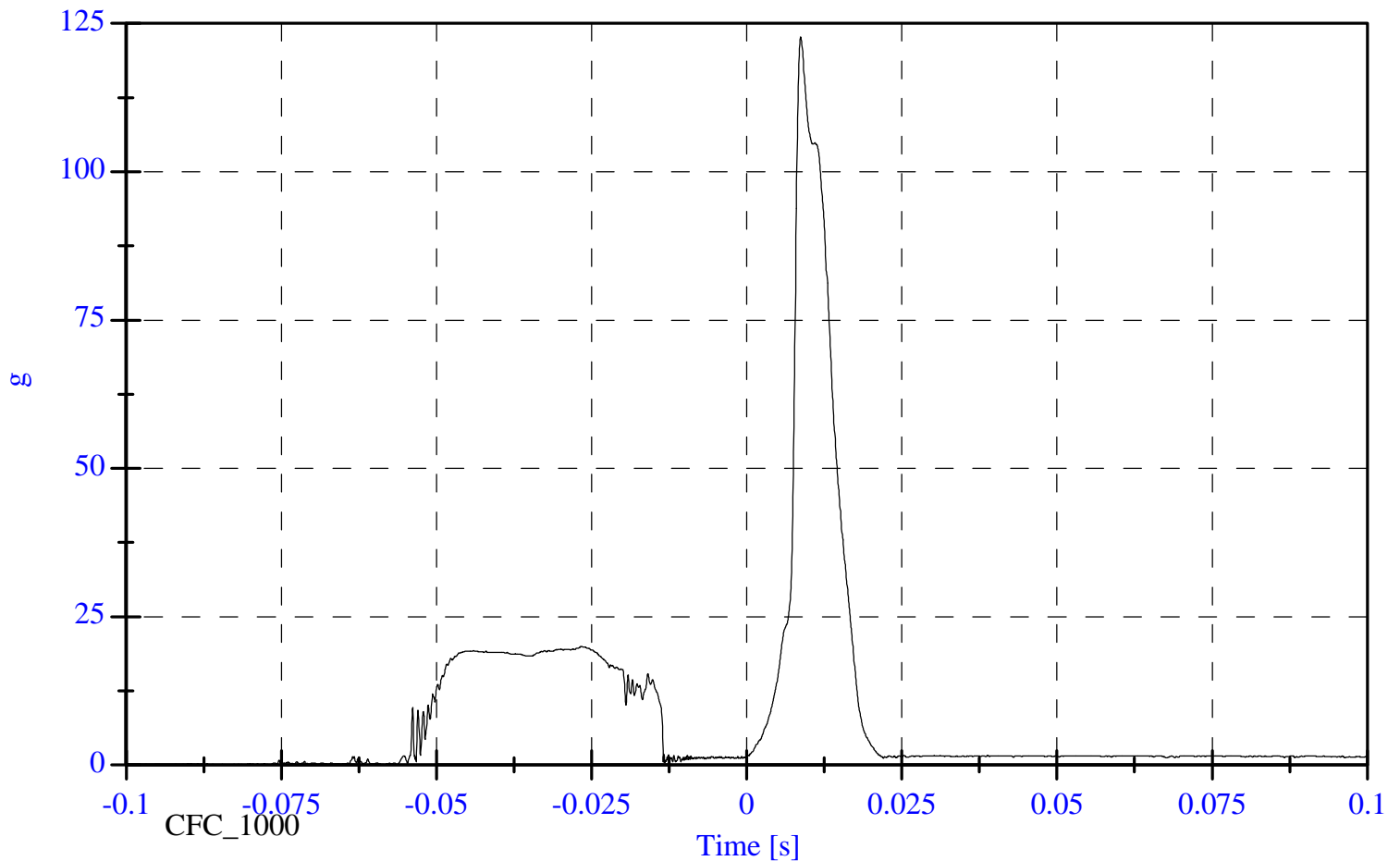
Maximum: 122.7 g

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 122.7 [g] at 0.009 [s]

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

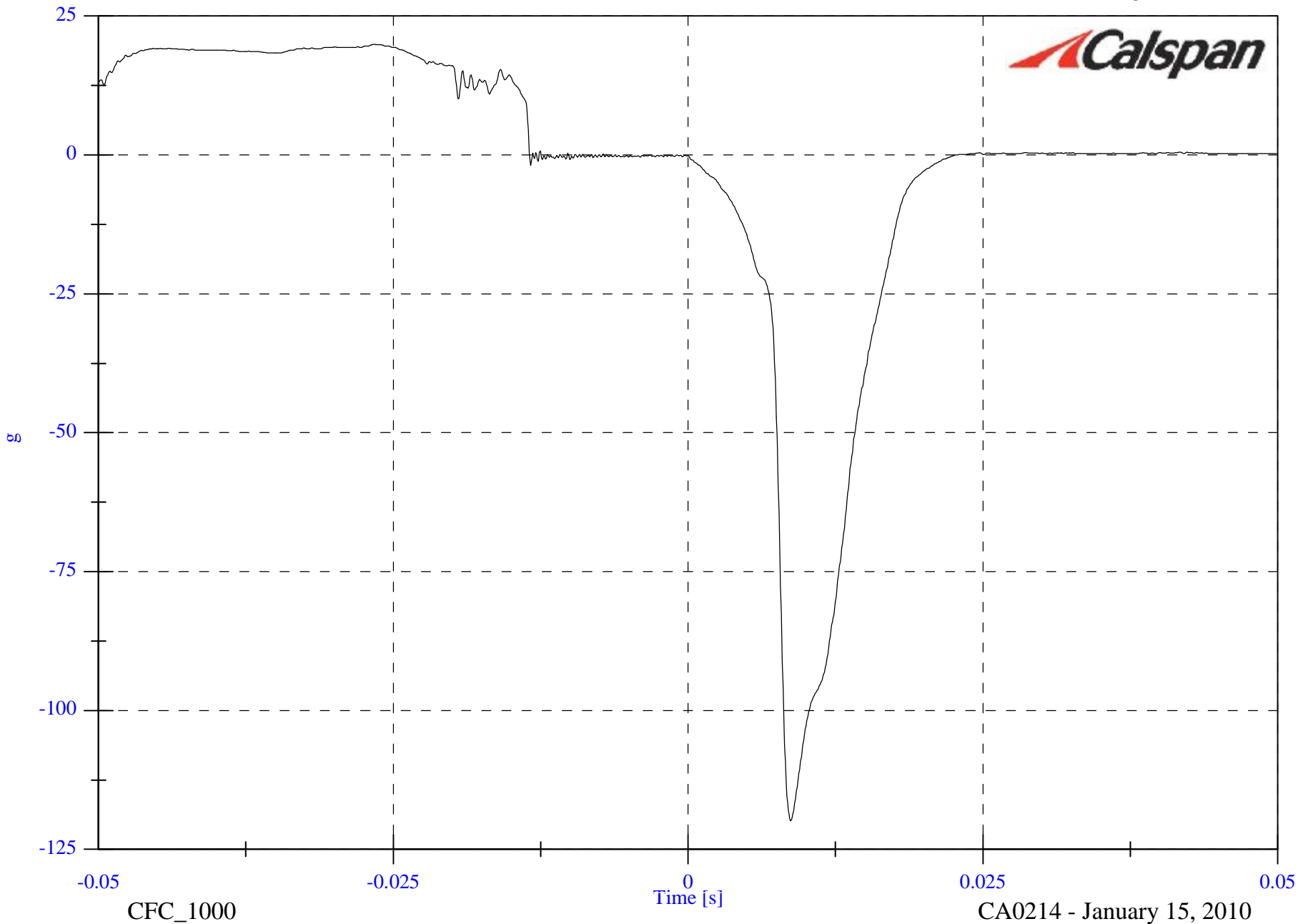


FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

Max: 19.9 [g] at -0.027 [s]

Min: -119.8 [g] at 0.009 [s]



CA0214 DRIVER SIDE SR3 IMPACT PLOT #1

CC2010-02

CFC_1000

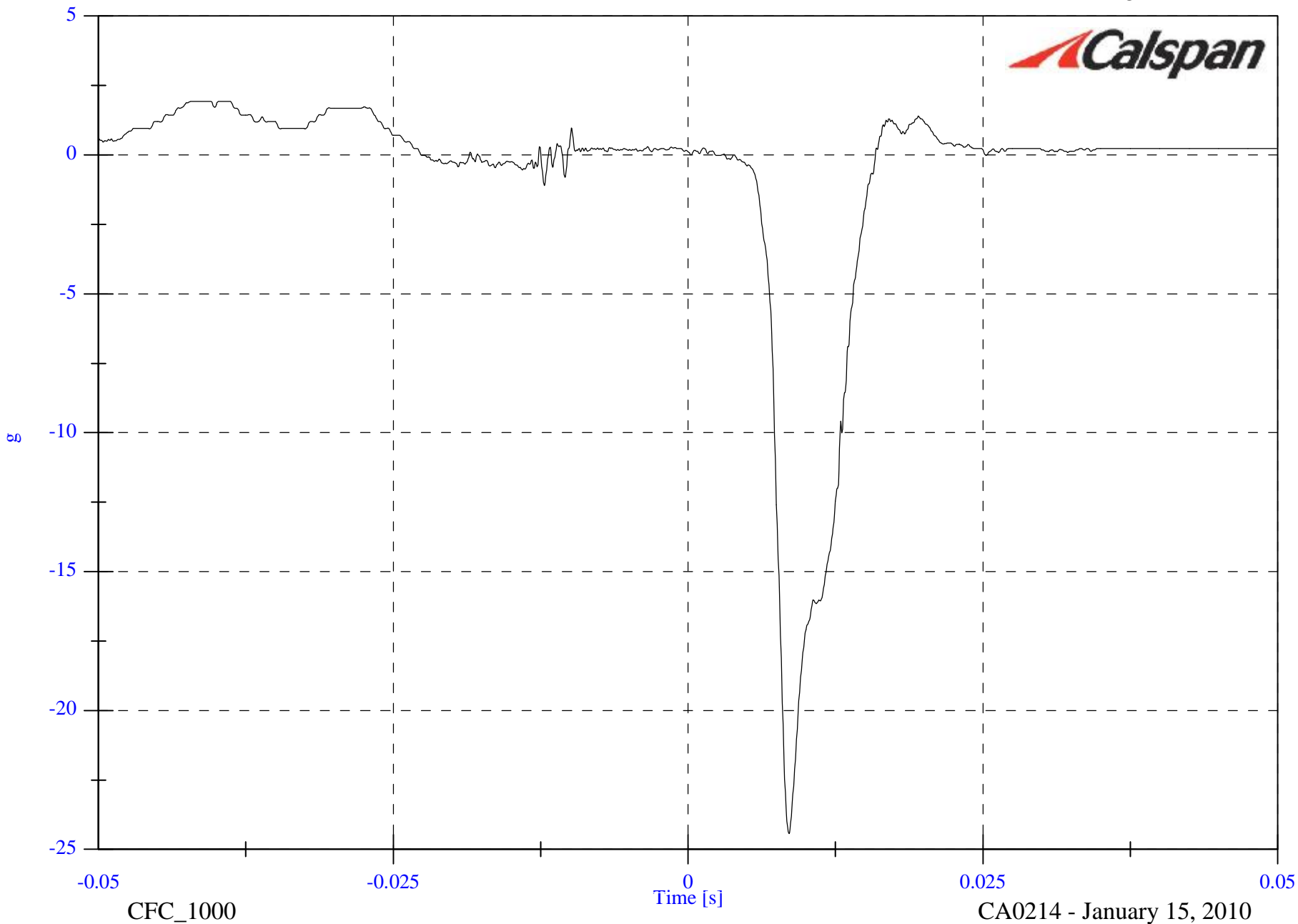
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

Max: 1.9 [g] at -0.041 [s]

Min: -24.4 [g] at 0.009 [s]



CA0214 DRIVER SIDE SR3 IMPACT PLOT #2

CC2010-02

CFC_1000

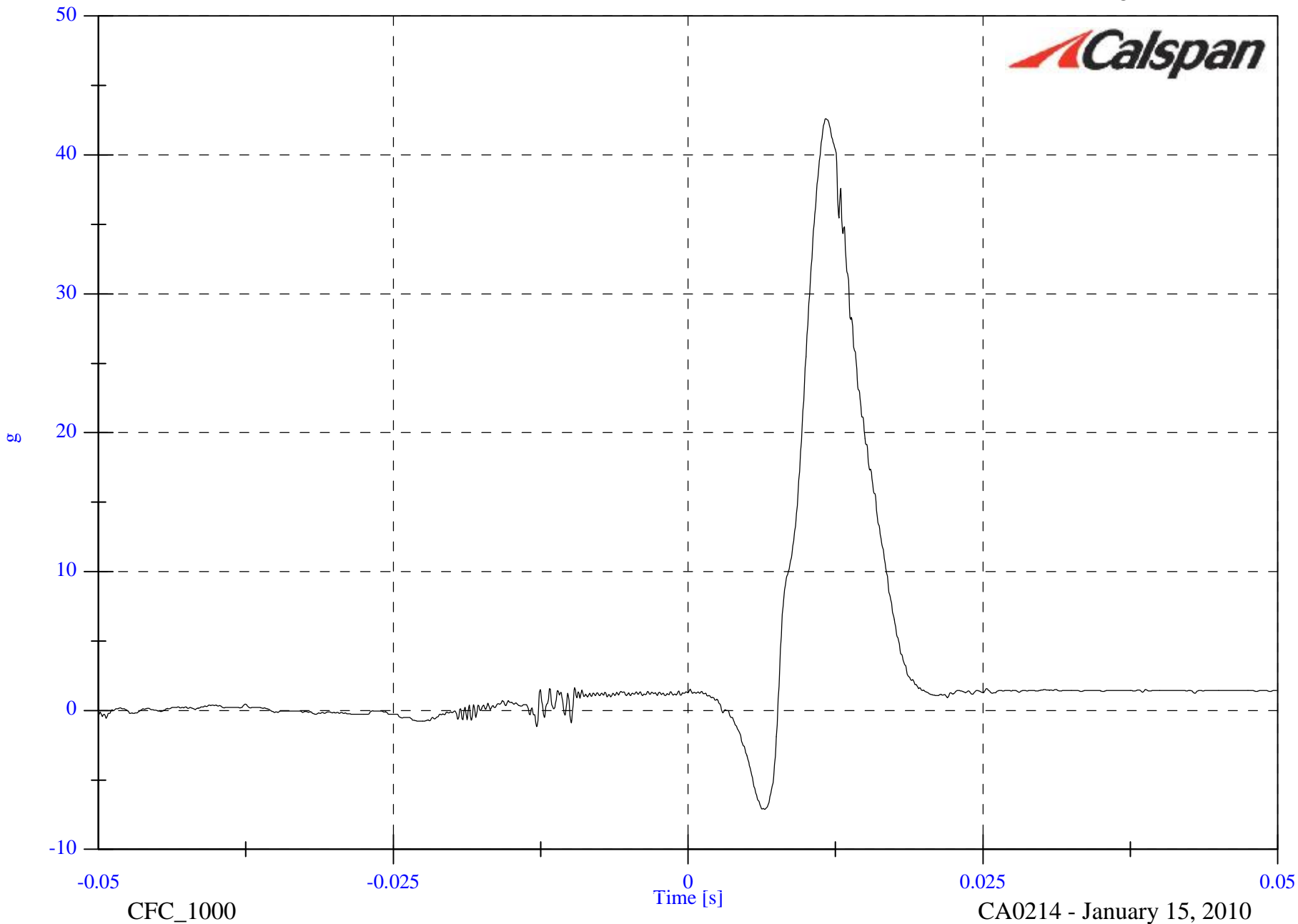
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

Max: 42.6 [g] at 0.012 [s]

Min: -7.1 [g] at 0.006 [s]



CA0214 DRIVER SIDE SR3 IMPACT PLOT #3

CC2010-02

CFC_1000

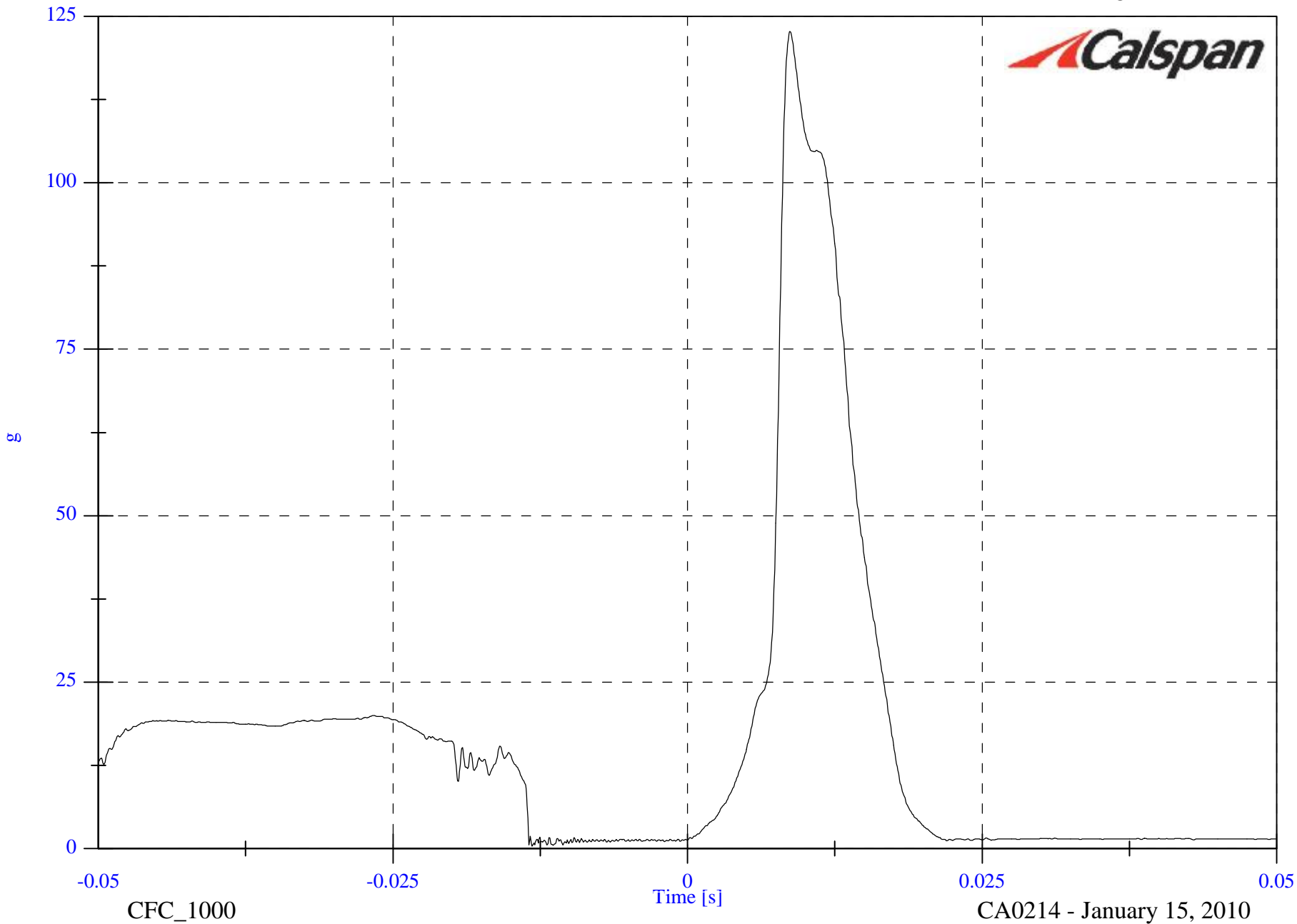
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 122.7 [g] at 0.009 [s]

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



CA0214 DRIVER SIDE SR3 IMPACT PLOT #4

CC2010-02

CFC_1000

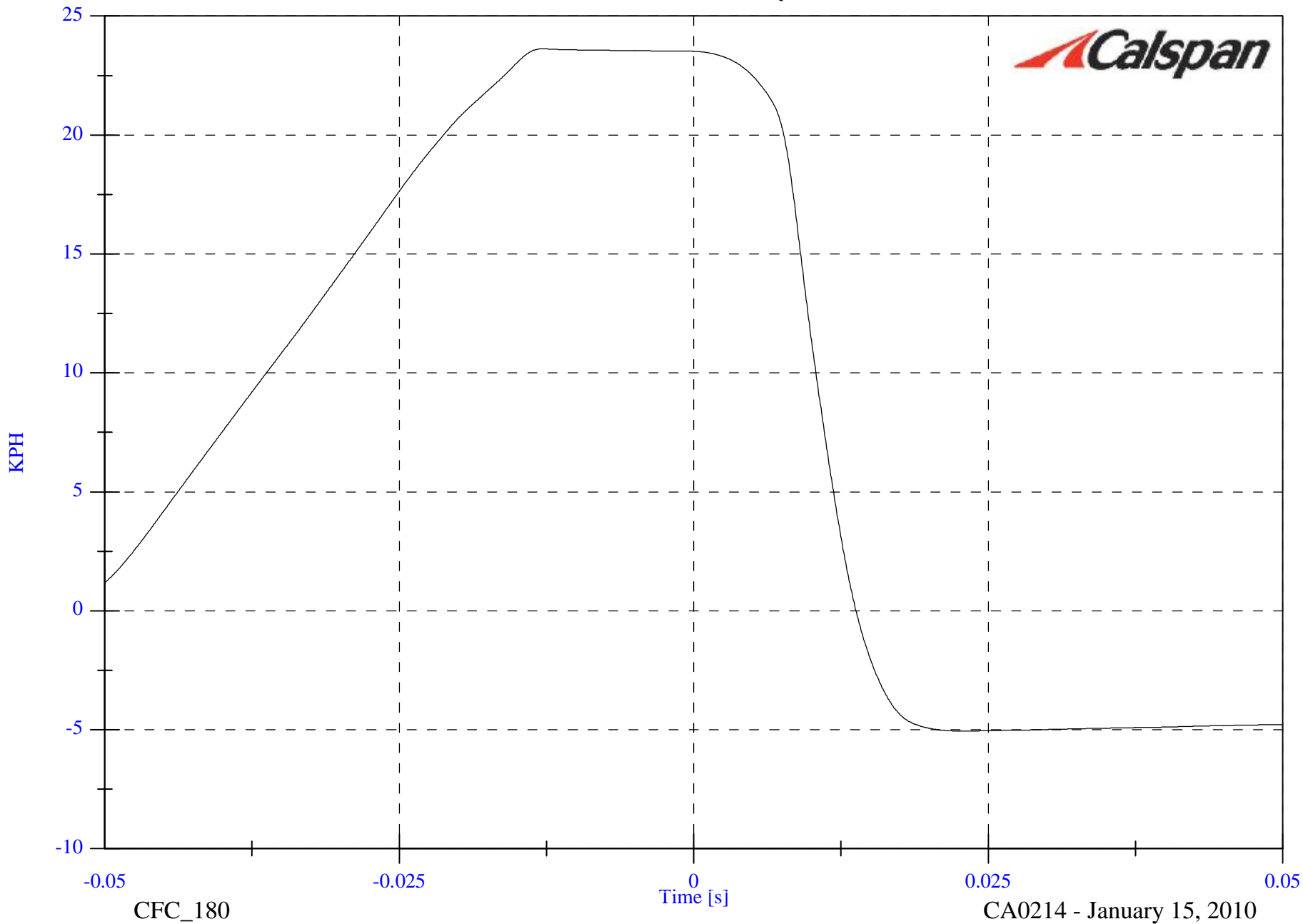
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

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

Headform Velocity

Min: -5.1 [KPH] at 0.023 [s]

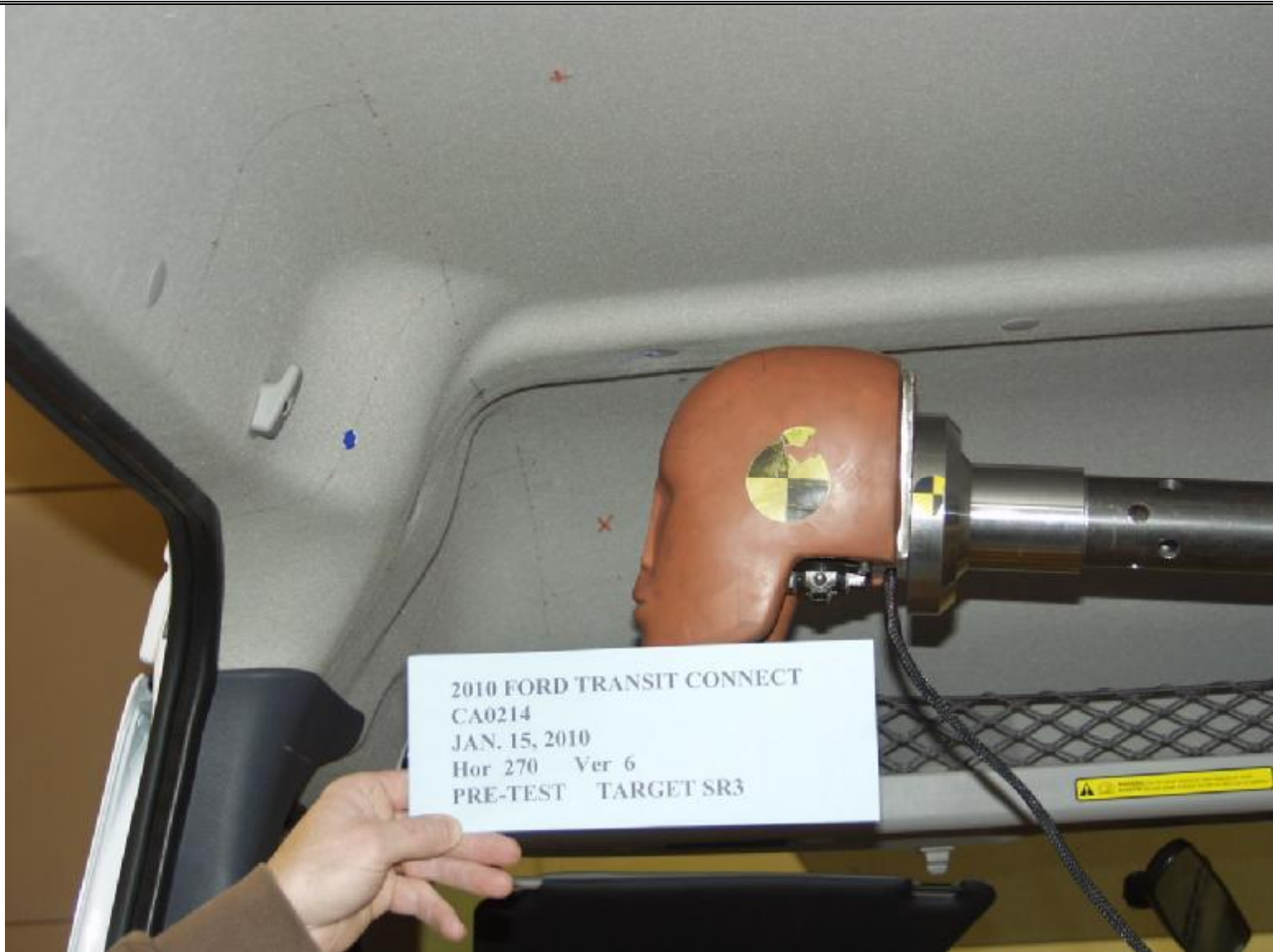


CA0214 DRIVER SIDE SR3 IMPACT PLOT #5

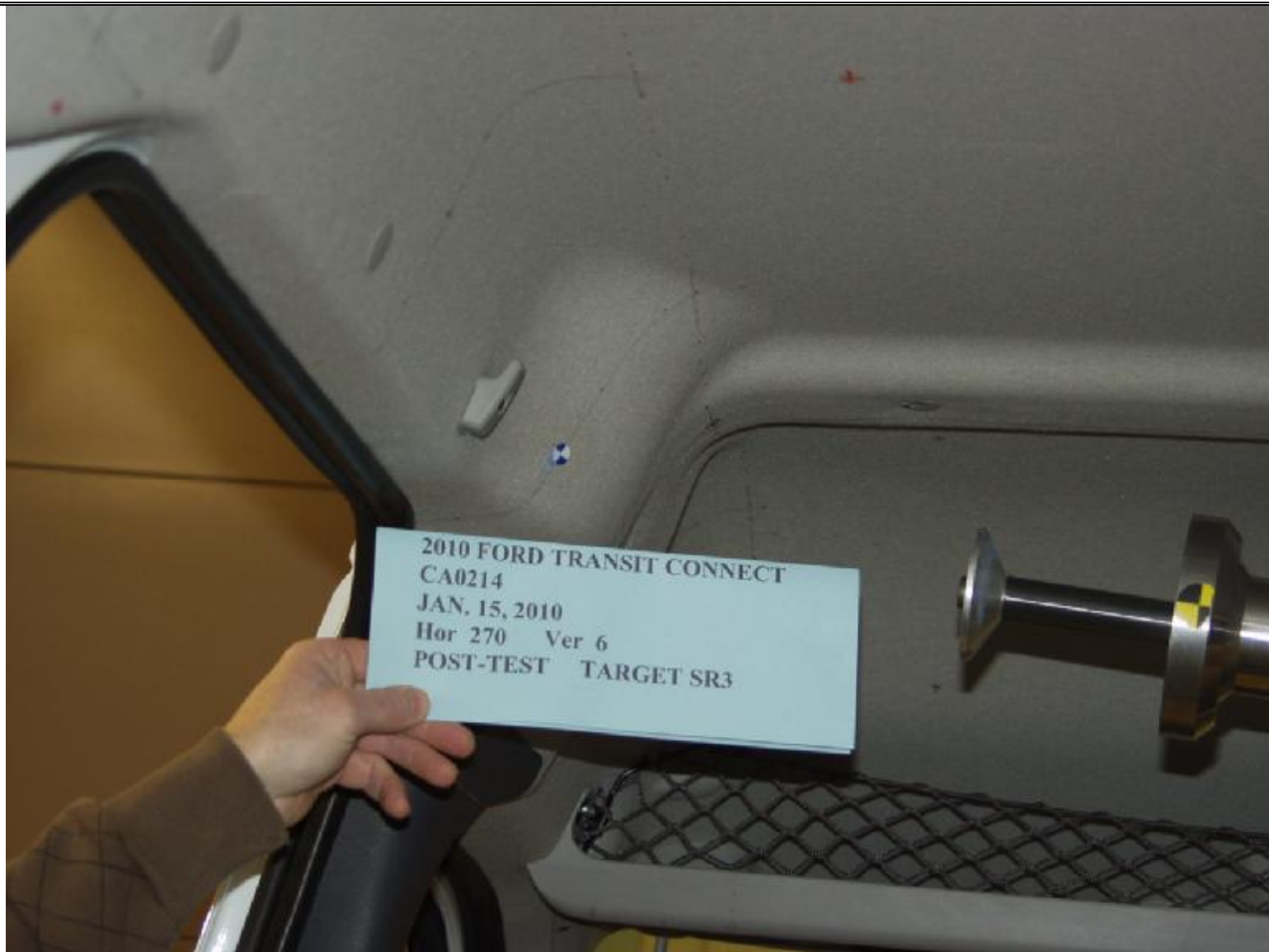
CC2010-02

CFC_180

CA0214 - January 15, 2010



PRE-IMPACT SR3



POST-IMPACT SR3

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	11
Test Date:	01/15/10
Target Location:	SIDE RAIL
Target Code:	SR2B
Horizontal Impact Angle:	270
Vertical Impact Angle:	14
Ambient Temperature:	20°C
Relative Humidity:	24
Time of Impact:	11:00
Headform Number:	1140

Impact Point Description (from lower midpoint on midsagittal line)					
On Centerline	10	<input type="checkbox"/>	mm right	<input checked="" type="checkbox"/>	mm left
On Centerline	25				mm up



POST-IMPACT SR2BHEADFORM

Free Motion HIC	1008.6
HIC(d)	927.3
Impact Velocity (kph)	23.4
HIC T1 (msec)	3.8
HIC T2 (msec)	10.0

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0214 - SR2B

FMH Headform 1140

Location: SR2B

Test Date: January 15, 2010

Work File: SR2B

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

Lab Temperature: 20 C

HICd: 927.3

Lab Humidity: 24 %

HIC (36ms): 1008.6

Velocity at Impact: 23.40 KPH

t1: 3.8 msec

t2: 10.0 msec

Free Flight Distance: 225.11 mm

Duration: 6.2 msec

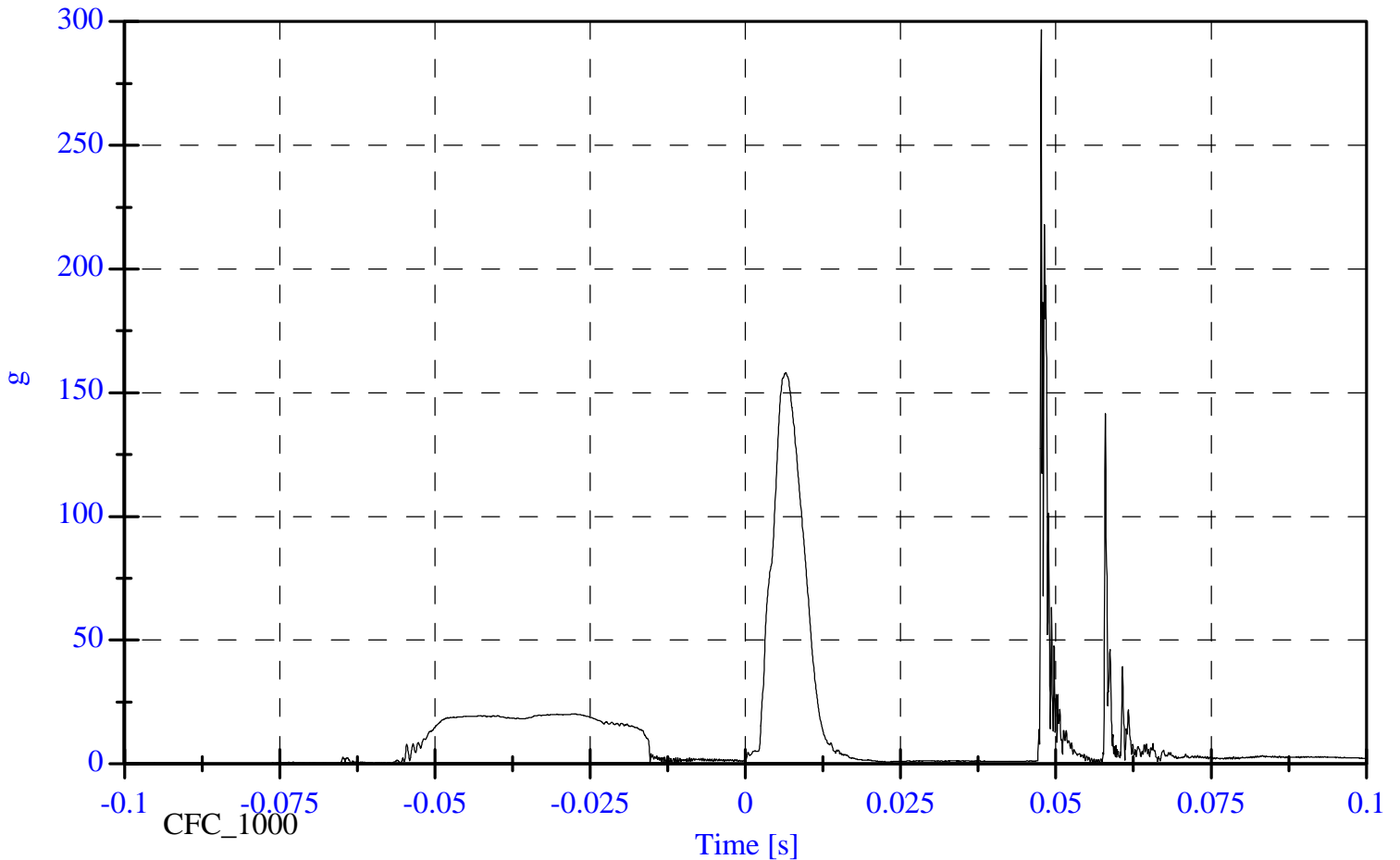
Average Acceleration: 11.1 g

Maximum: 158.1 g

FMVSS 201U 2010 FORD TRANSIT CONNECT
Headform Resultant

Max: 158.1 [g] at 0.007 [s]

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

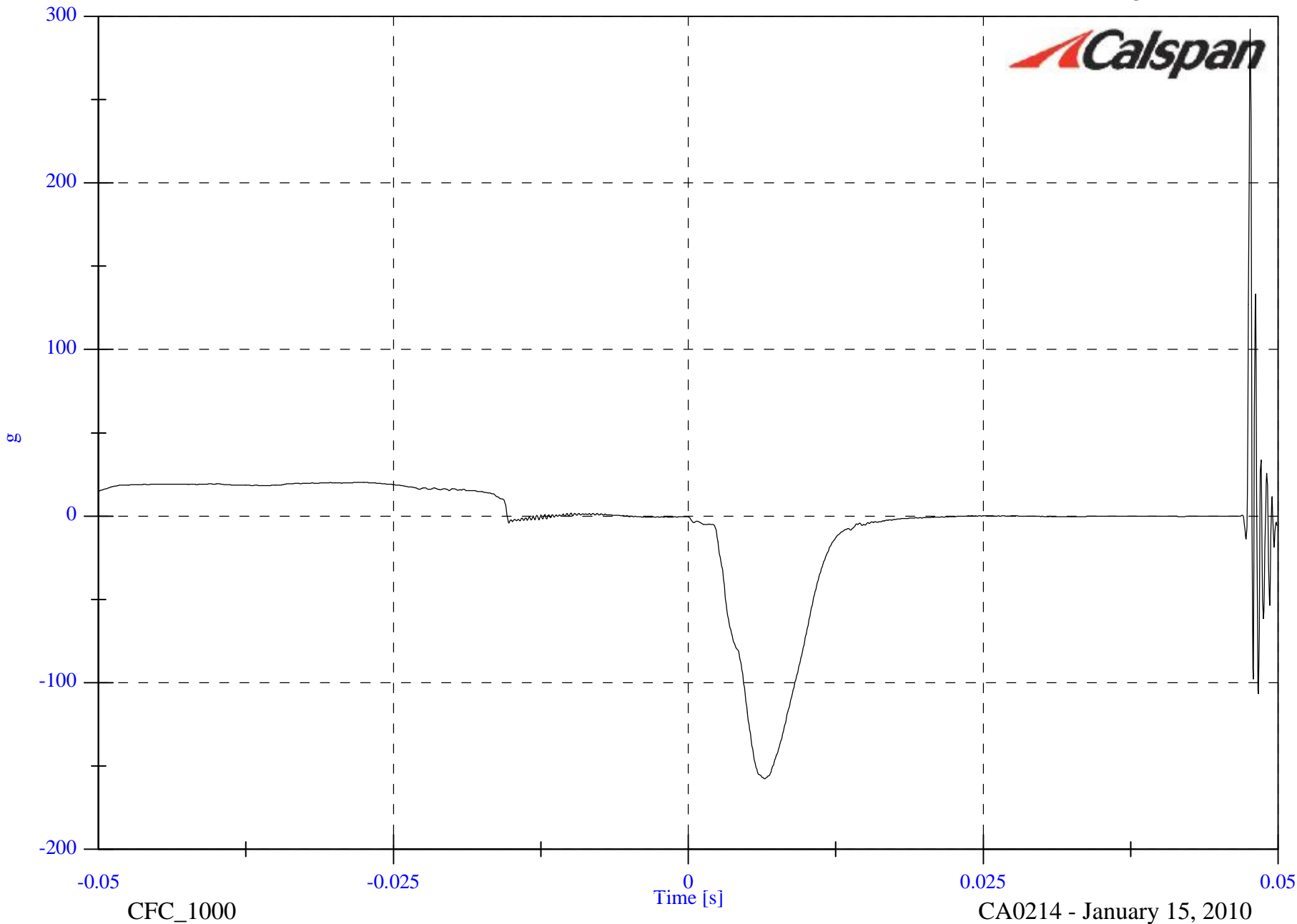


FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

Max: 292.2 [g] at 0.048 [s]

Min: -157.6 [g] at 0.007 [s]



CA0214 DRIVER SIDE SR2B IMPACT PLOT #1

CC2010-02

CFC_1000

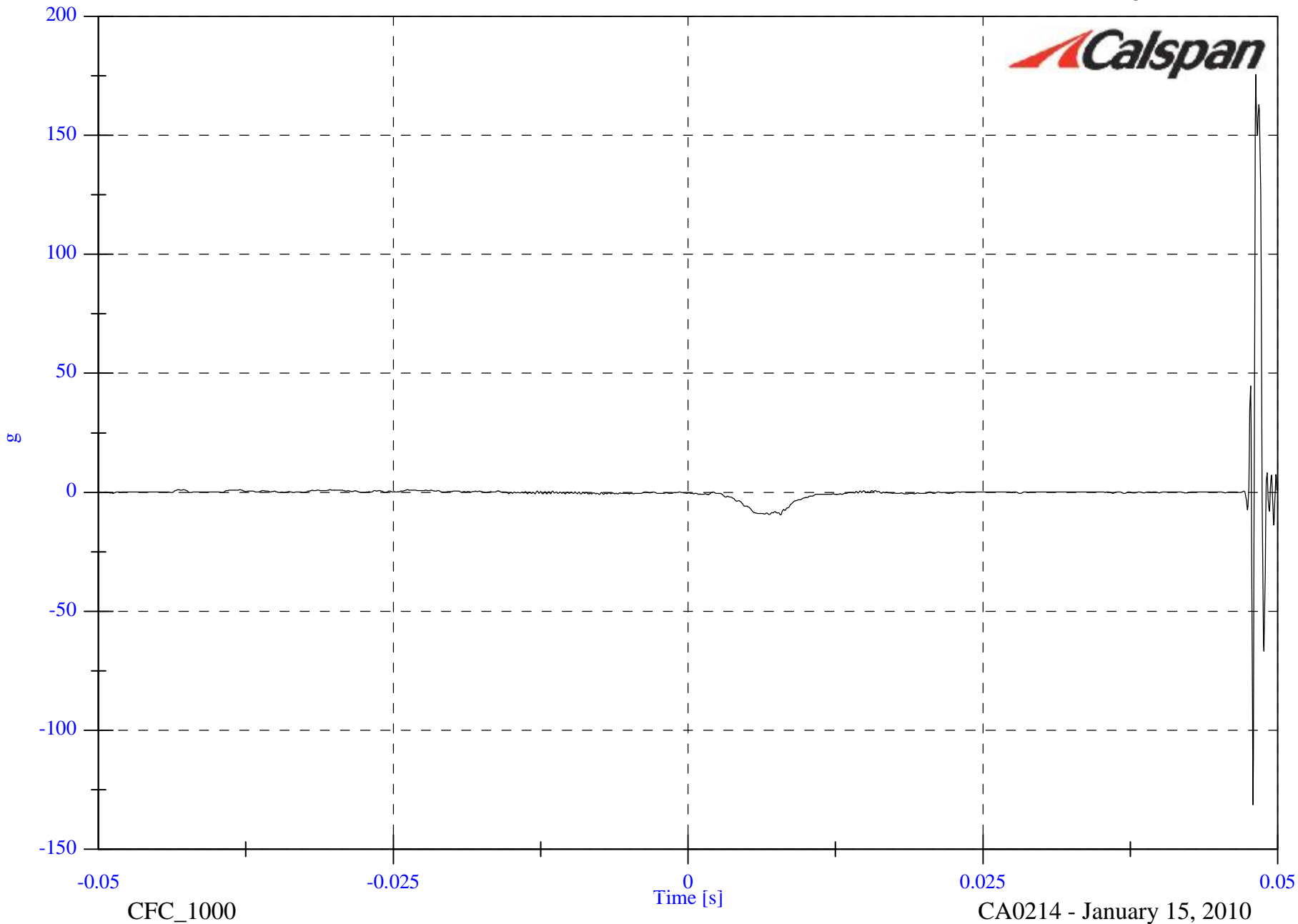
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

Max: 175.4 [g] at 0.048 [s]

Min: -131.3 [g] at 0.048 [s]



CA0214 DRIVER SIDE SR2B IMPACT PLOT #2

CC2010-02

CFC_1000

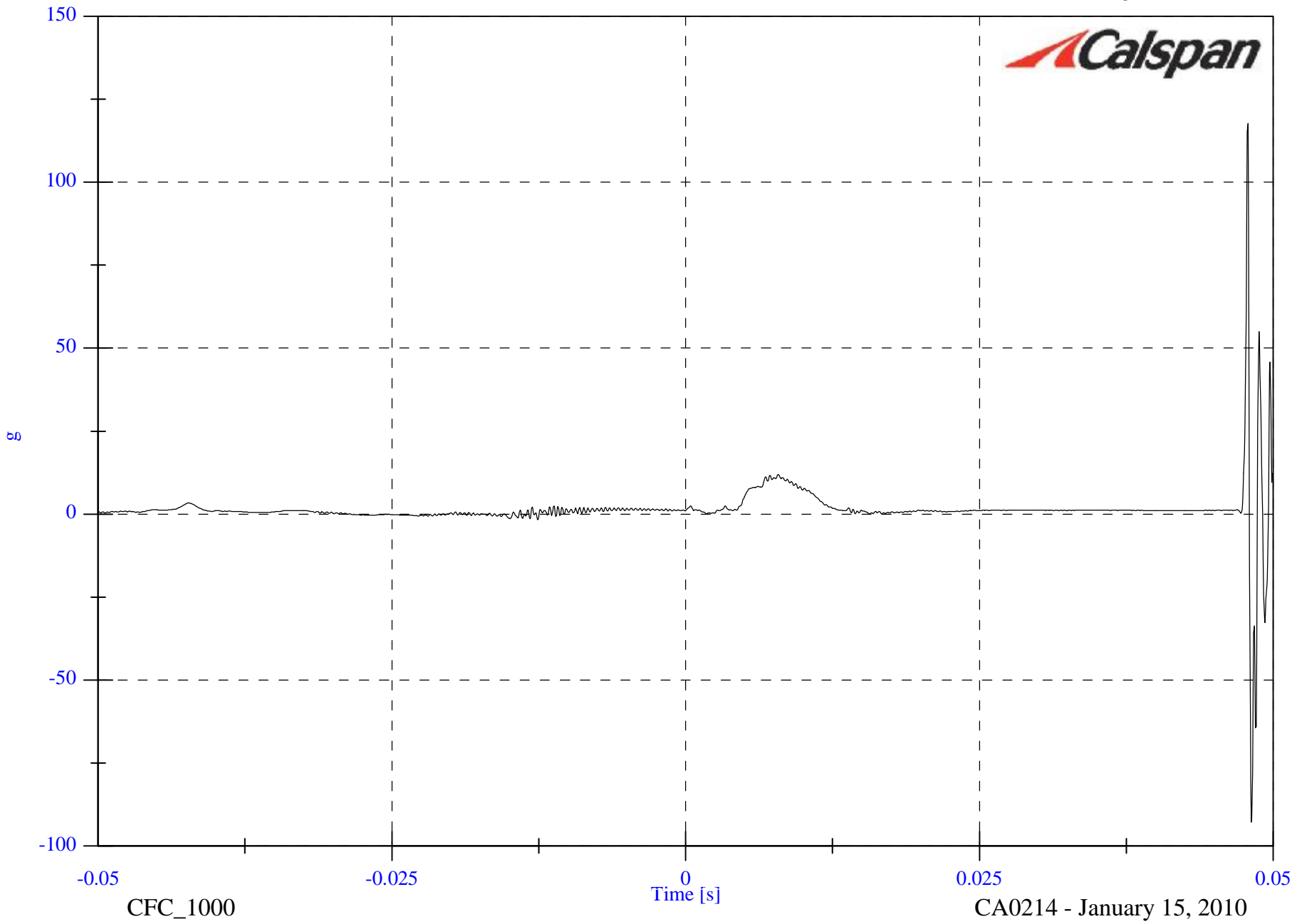
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

Max: 117.7 [g] at 0.048 [s]

Min: -92.9 [g] at 0.048 [s]



CA0214 DRIVER SIDE SR2B IMPACT PLOT #3

CC2010-02

CFC_1000

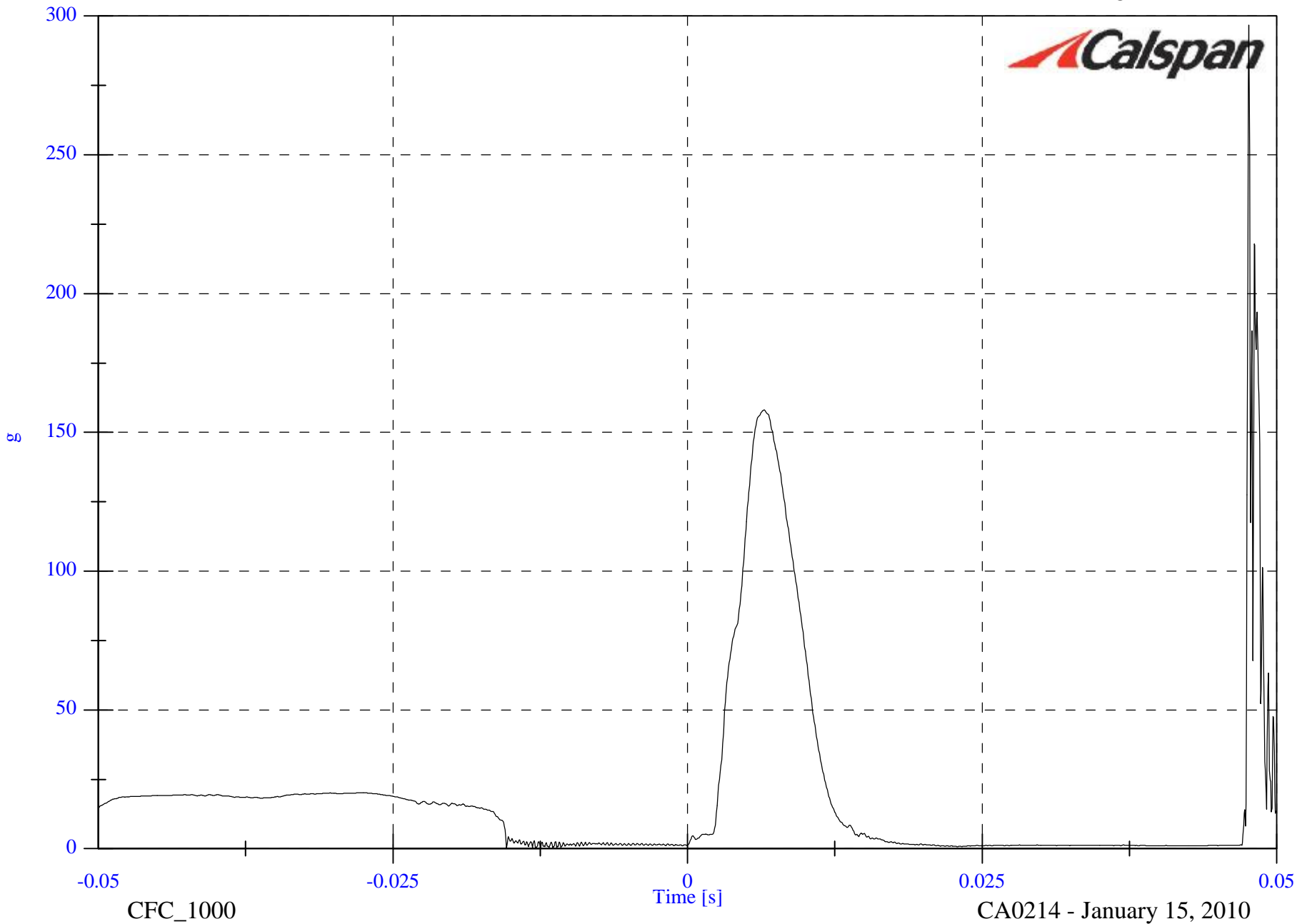
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 296.8 [g] at 0.048 [s]

Min: 0.2 [g] at -0.015 [s]



CA0214 DRIVER SIDE SR2B IMPACT PLOT #4

CC2010-02

CFC_1000

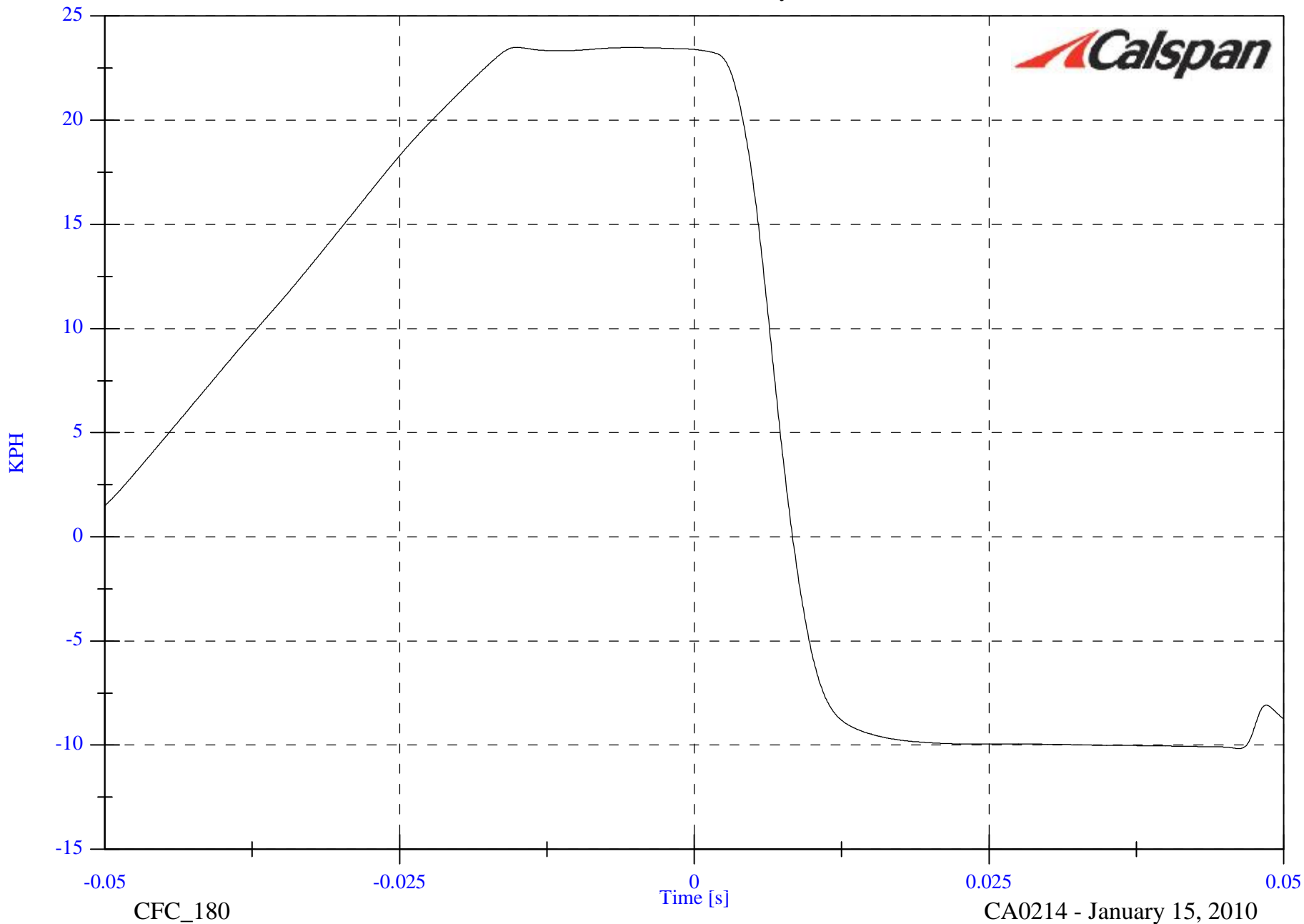
CA0214 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Max: 23.5 [KPH] at -0.015 [s]

Headform Velocity

Min: -10.2 [KPH] at 0.046 [s]



CA0214 DRIVER SIDE SR2B IMPACT PLOT #5

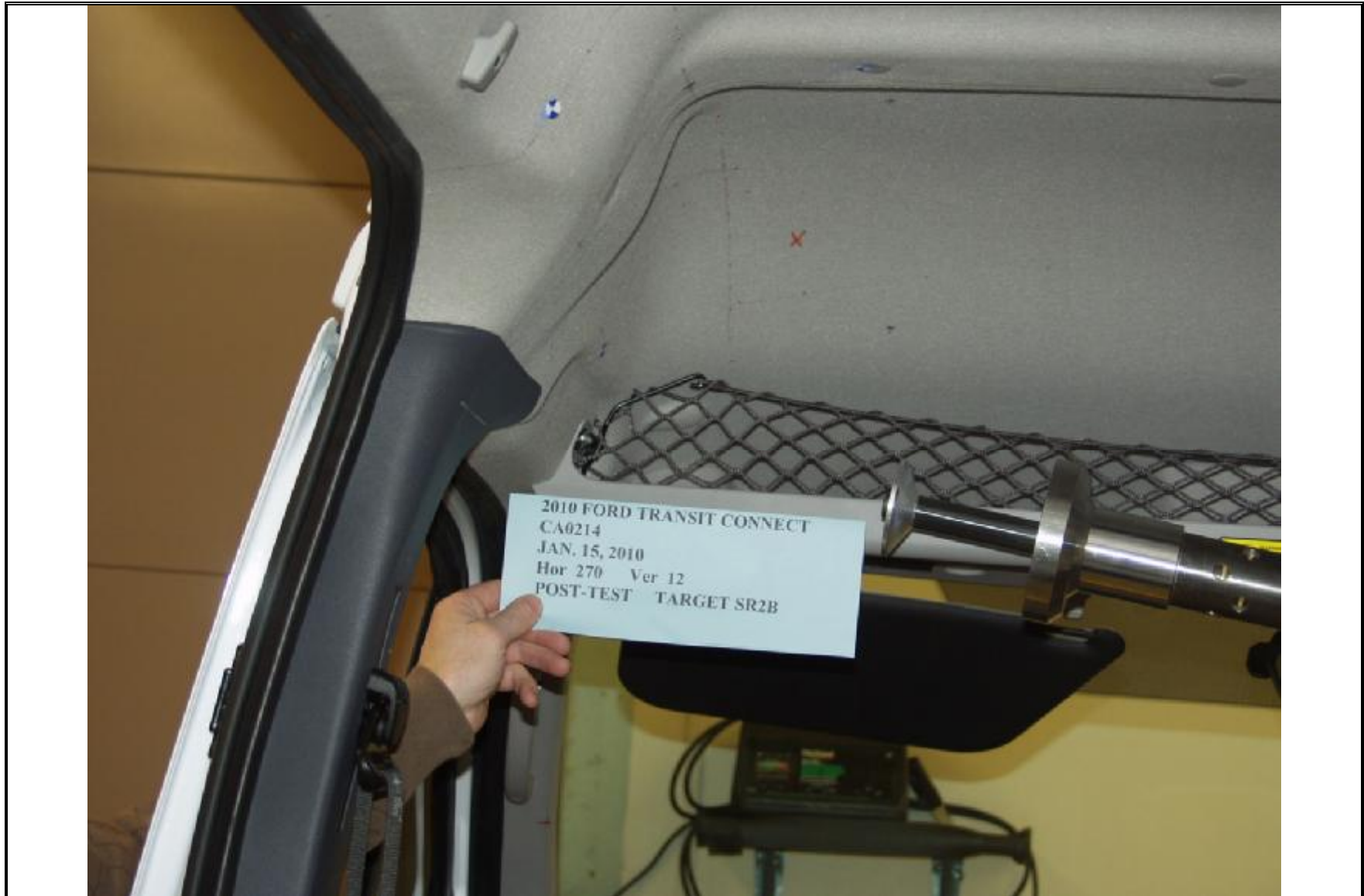
CC2010-02

CFC_180

CA0214 - January 15, 2010



PRE-IMPACT SR2B



POST-IMPACT SR2B

VEHICLE YEAR/MAKE/MODEL/STYLE:	2010 Ford Transit Connect
VIN:	NM0KS9BNXAT017711
DATE OF MANUFACTURE:	09/09(SEE CERTIFICATION LABEL)
COLOR:	White

Test Number:	12
Test Date:	01/15/10
Target Location:	A-PILLAR
Target Code:	AP2
Horizontal Impact Angle:	136
Vertical Impact Angle:	4
Ambient Temperature:	20°C
Relative Humidity:	24
Time of Impact:	11:30
Headform Number:	1142

Impact Point Description (from lower midpoint on midsagittal line)			
On Centerline	0	mm right	mm left
On Centerline	12		mm up



POST-IMPACT AP2 HEADFORM

Free Motion HIC	635.4
HIC(d)	645.8
Impact Velocity (kph)	23.67
HIC T1 (msec)	2.3
HIC T2 (msec)	6.8

FMVSS 201U 2010 FORD TRANSIT CONNECT CA0215 - AP2

FMH Headform 1142

Location: AP2

Test Date: January 15, 2010

Work File: AP2

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

Lab Temperature: 20 C

HICd: 645.8

Lab Humidity: 24 %

HIC (36ms): 635.4

Velocity at Impact: 23.67 KPH

t1: 2.3 msec

t2: 6.8 msec

Free Flight Distance: 220.52 mm

Duration: 4.5 msec

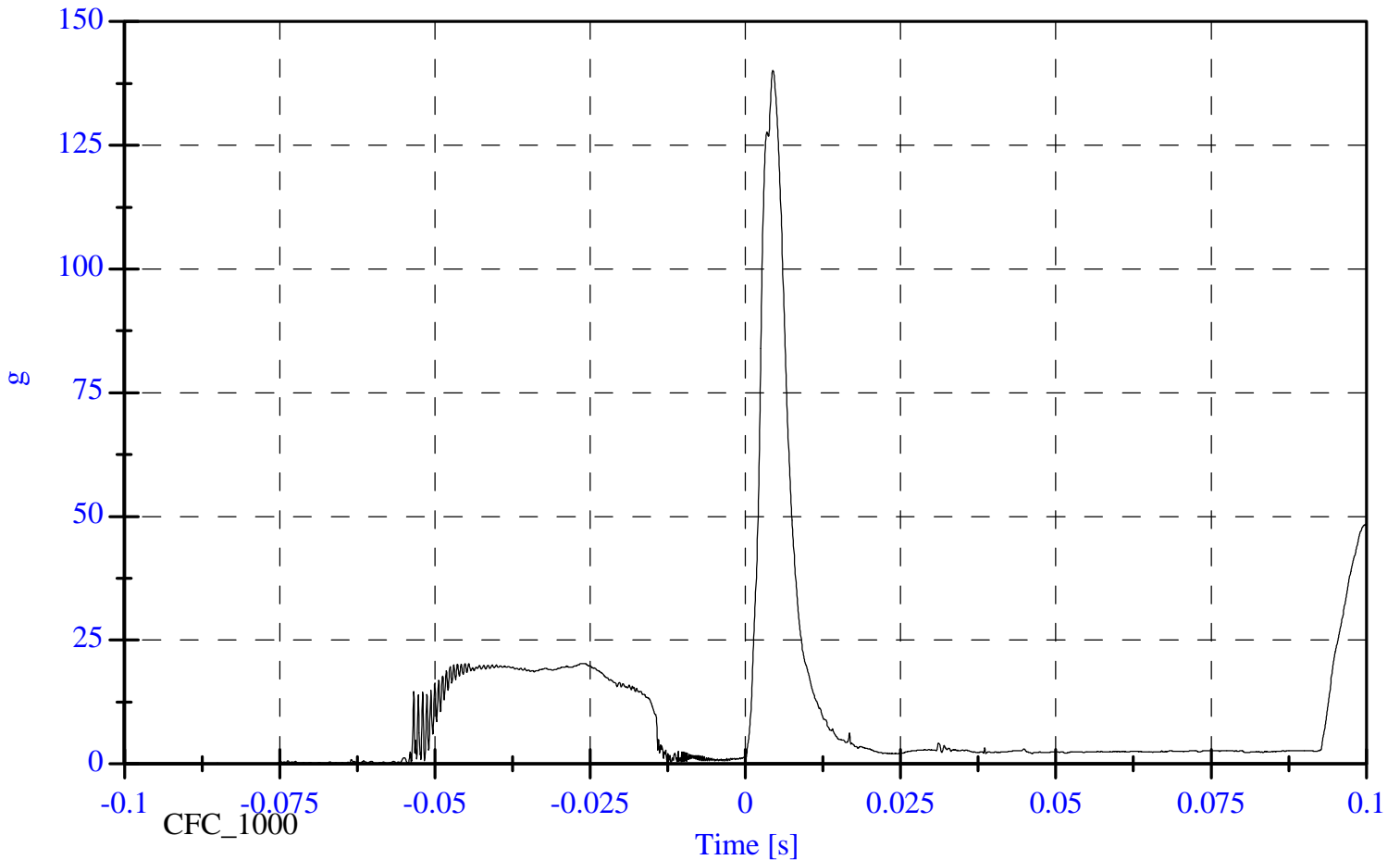
Average Acceleration: 9.3 g

Maximum: 140.1 g

FMVSS 201U 2010 FORD TRANSIT CONNECT
Headform Resultant

Max: 140.1 [g] at 0.004 [s]

Min: 0.0 [g] at -0.085 [s]

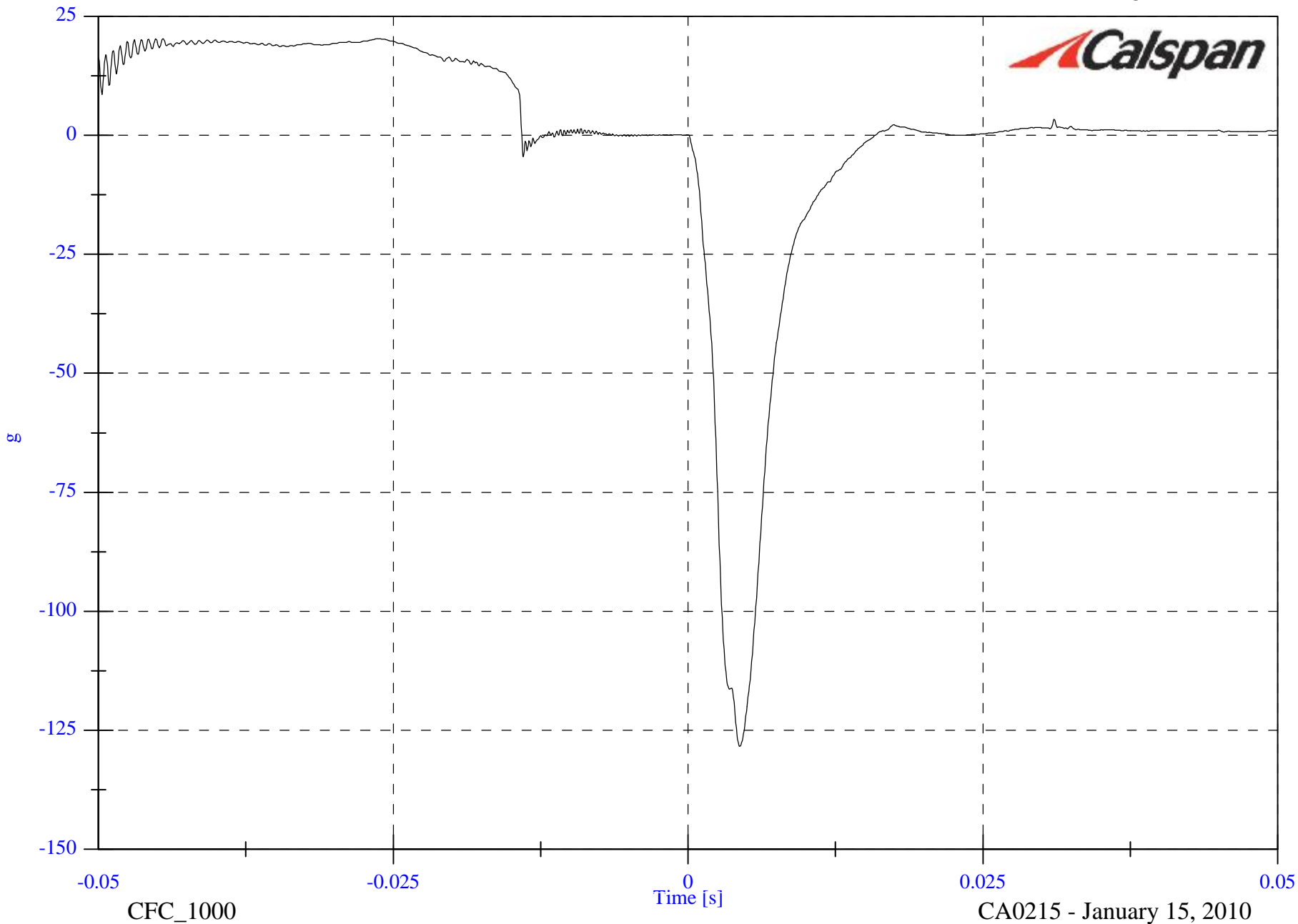


FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform X Acceleration

Max: 20.3 [g] at -0.045 [s]

Min: -128.4 [g] at 0.004 [s]



CA0214 DRIVER SIDE AP2 IMPACT PLOT #1

CC2010-02

CFC_1000

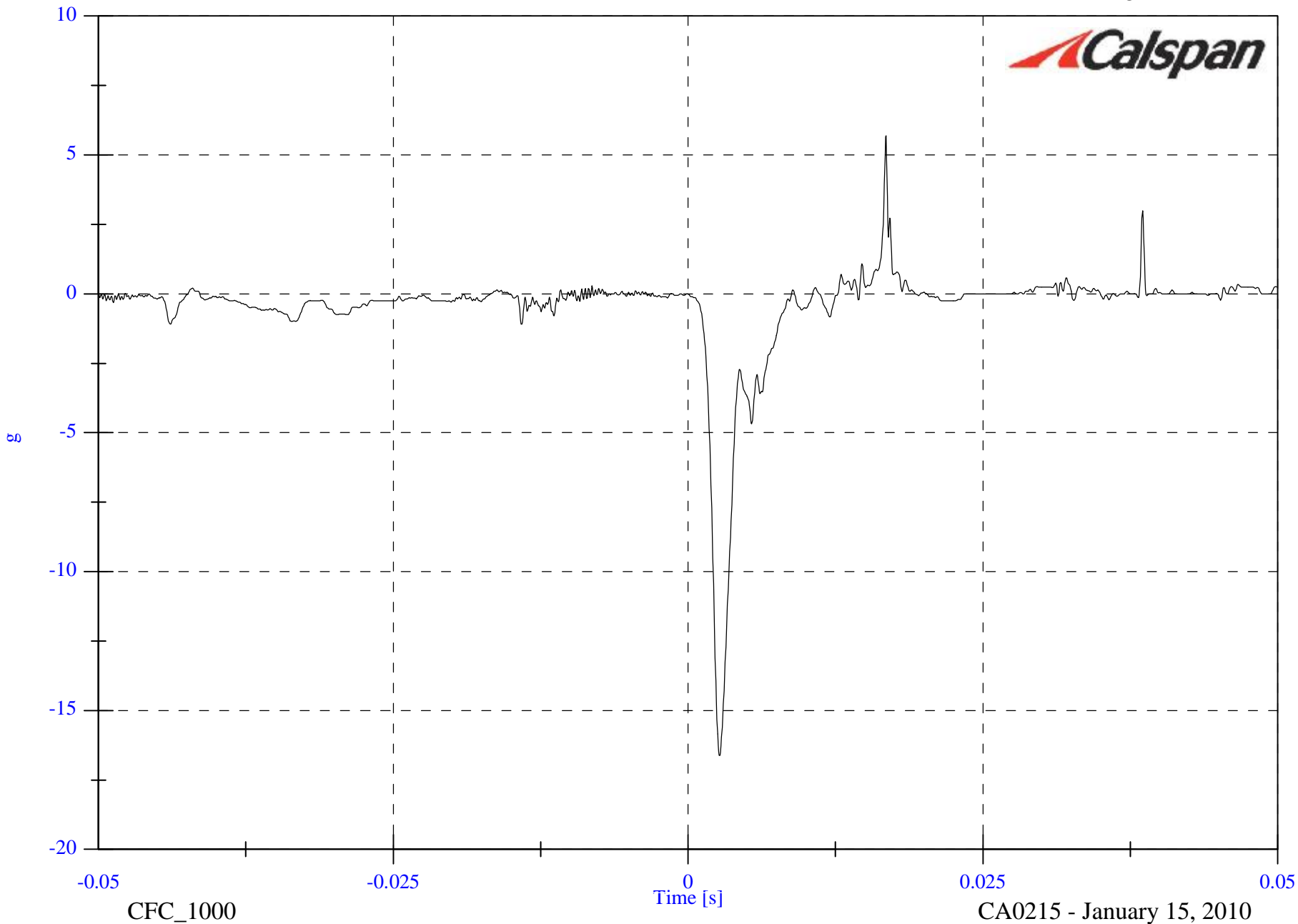
CA0215 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Y Acceleration

Max: 5.7 [g] at 0.017 [s]

Min: -16.6 [g] at 0.003 [s]



CA0214 DRIVER SIDE AP2 IMPACT PLOT #2

CC2010-02

CFC_1000

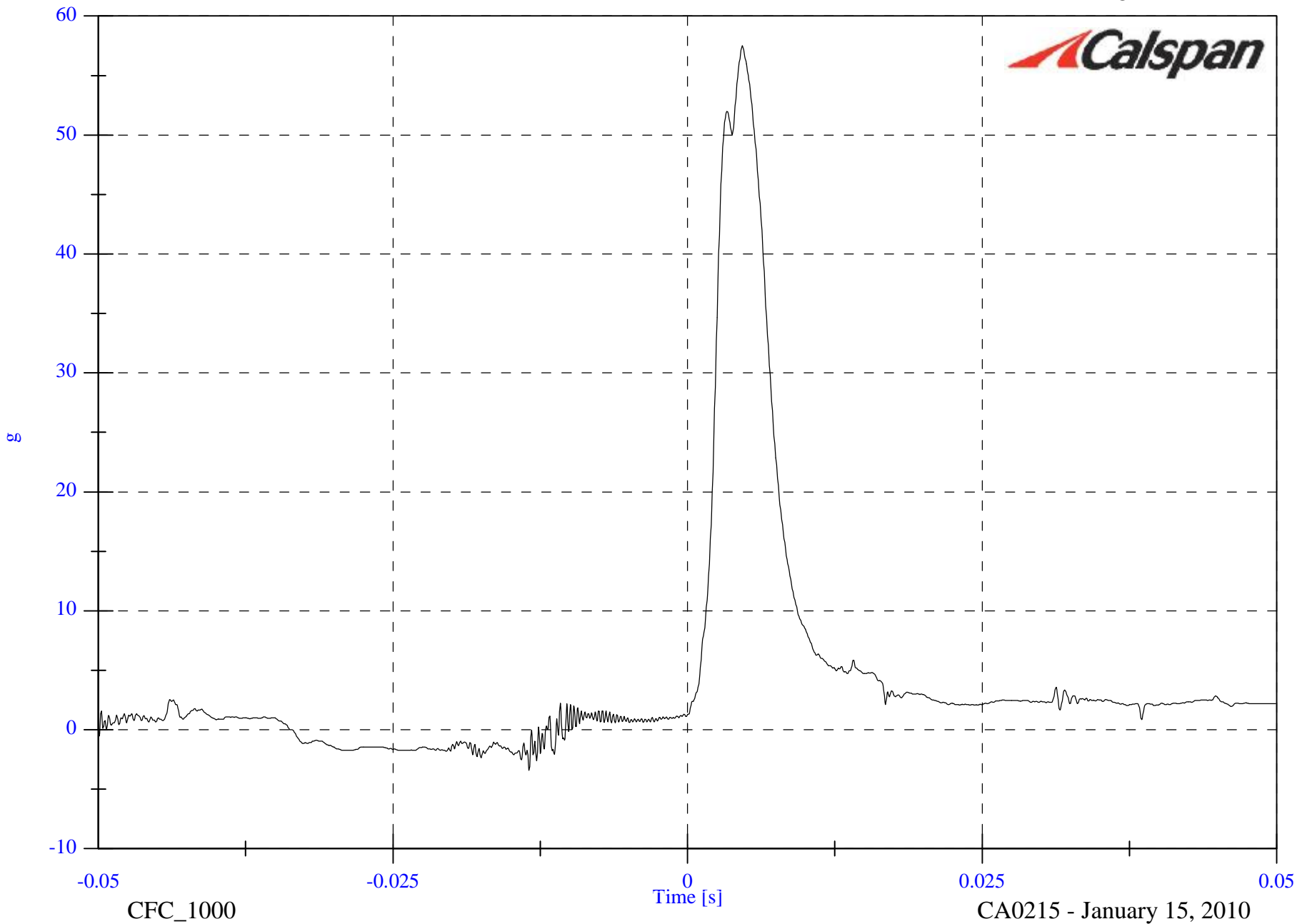
CA0215 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Z Acceleration

Max: 57.5 [g] at 0.005 [s]

Min: -3.4 [g] at -0.013 [s]



CA0214 DRIVER SIDE AP2 IMPACT PLOT #3

CC2010-02

CFC_1000

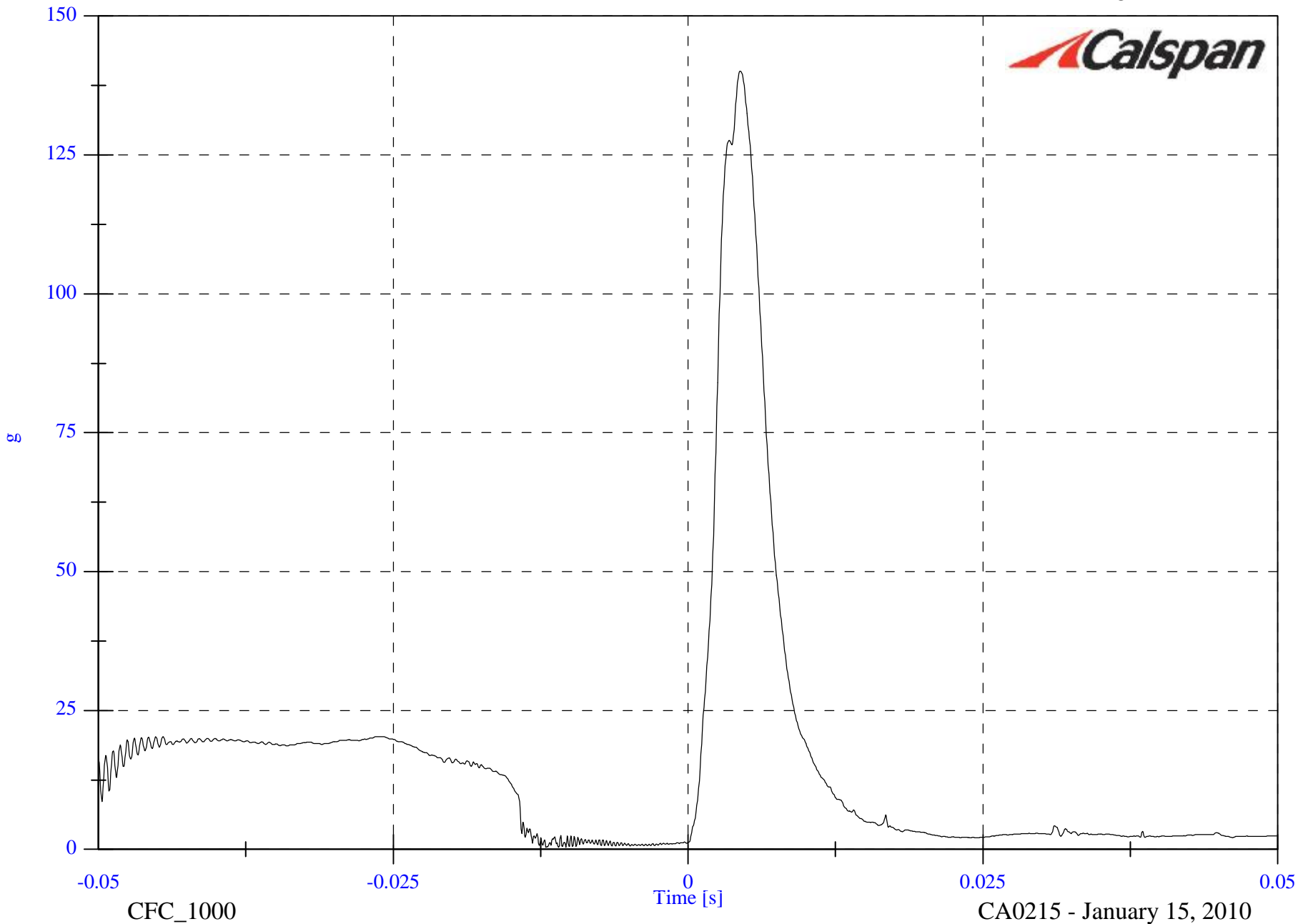
CA0215 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Headform Resultant

Max: 140.1 [g] at 0.004 [s]

Min: 0.3 [g] at -0.010 [s]



CA0214 DRIVER SIDE AP2 IMPACT PLOT #4

CC2010-02

CFC_1000

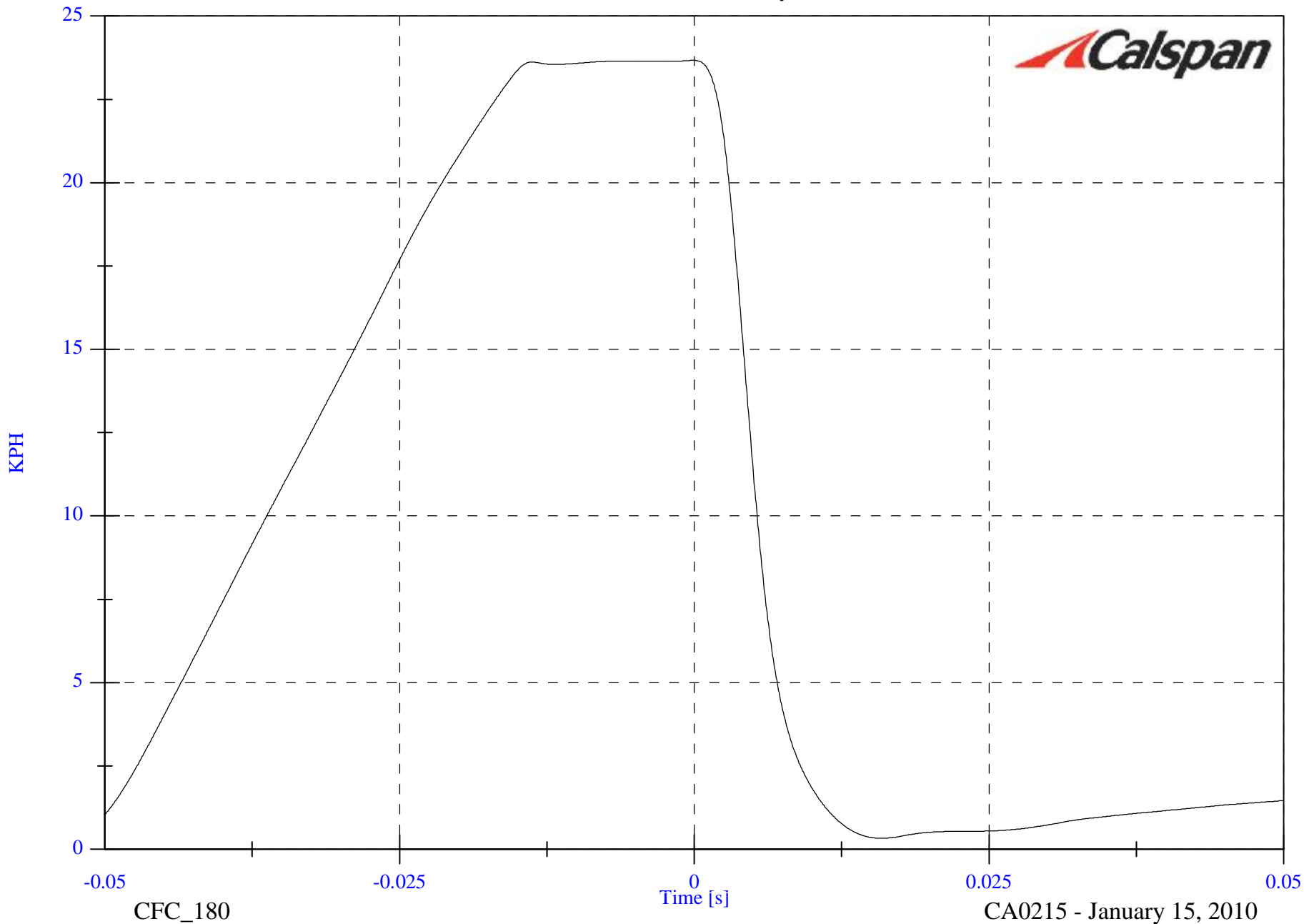
CA0215 - January 15, 2010

FMVSS 201U 2010 FORD TRANSIT CONNECT

Max: 23.7 [KPH] at -0.000 [s]

Headform Velocity

Min: 0.3 [KPH] at 0.016 [s]



CA0214 DRIVER SIDE AP2 IMPACT PLOT #5

CC2010-02

CFC_180

CA0215 - January 15, 2010



PRE-IMPACT AP2



POST-IMPACT AP2

APPENDIX A

PHOTOGRAPHS

PHOTOGRAPHS

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A-21	POST-TEST DRIVER SIDE SIDE RAIL	A-23
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A-23	POST-TEST DRIVER SIDE SLIDING DOOR	A-25
A-24	POST-TEST DRIVER SIDE OTHER PILLAR	A-26
A-25	POST-TEST PASSENGER SIDE A-PILLAR	A-27
A-26	POST-TEST PASSENGER SIDE FRONT HEADER	A-28
A-27	POST-TEST PASSENGER SIDE SIDE RAIL	A-29
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A-29	POST-TEST PASSENGER SIDE SLIDING DOOR	A-31
A-30	POST-TEST PASSENGER SIDE OTHER PILLAR	A-32



A-3

CC2010-02

Figure A-1 : LEFT SIDE VIEW OF VEHICLE



Figure A-2 : RIGHT SIDE VIEW OF VEHICLE



A-5

CC2010-02

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



Figure A-4 : 3/4 REAR VIEW FROM RIGHT 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

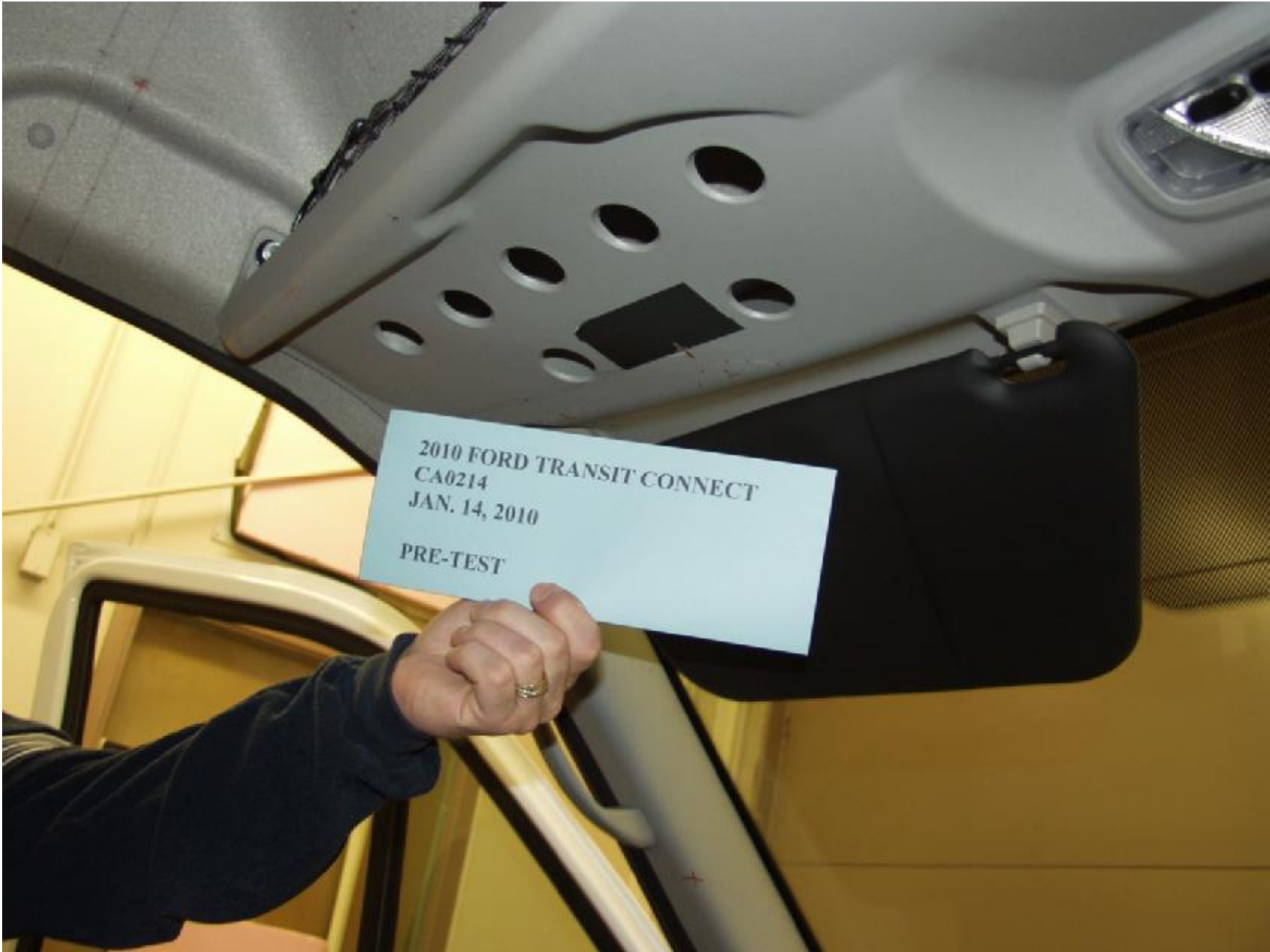


Figure A-8 : PRE-TEST DRIVER SIDE FRONT HEADER



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 SLIDING DOOR



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



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



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

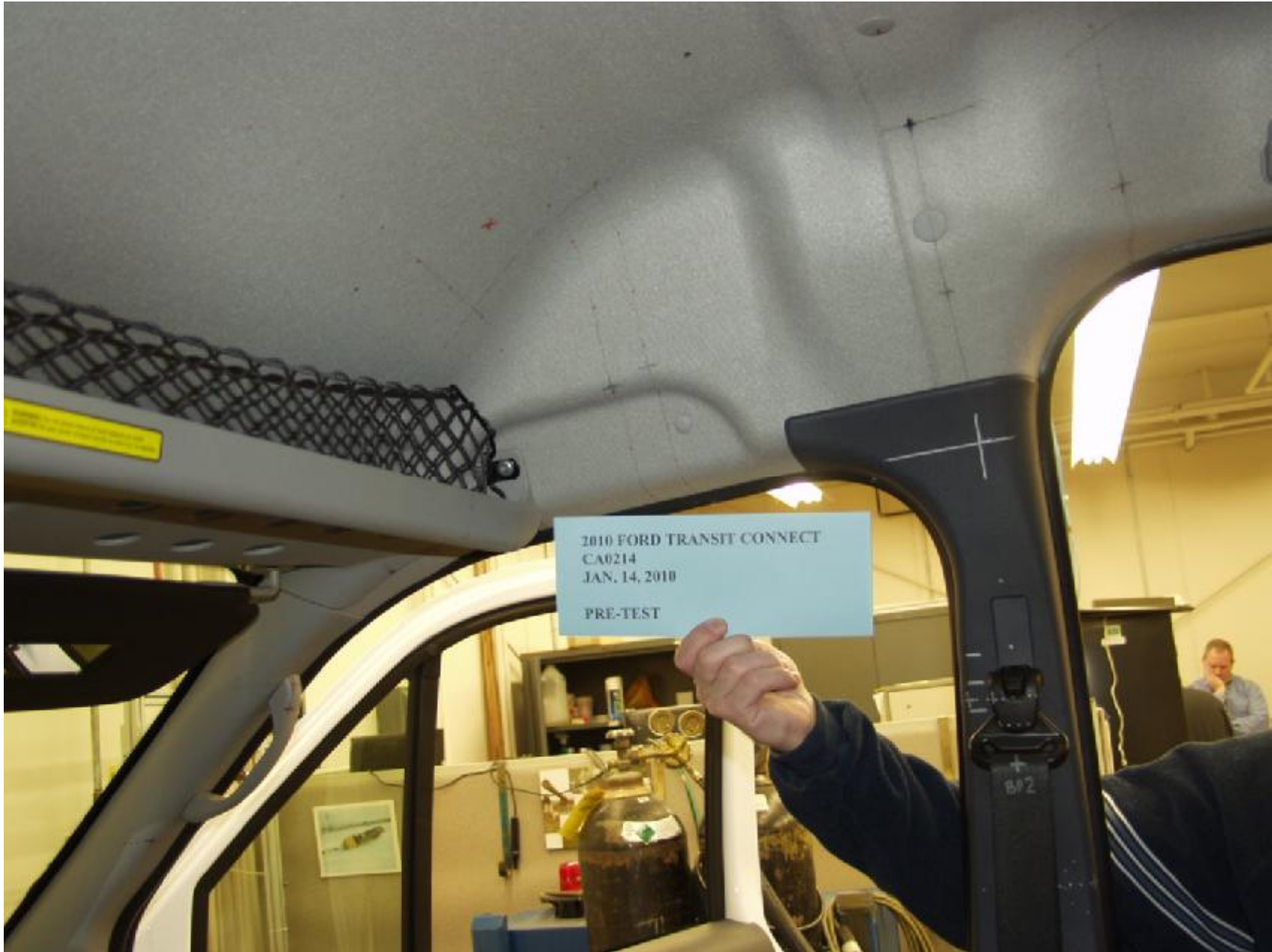


Figure A-15 : PRE-TEST PASSENGER SIDE SIDE RAIL

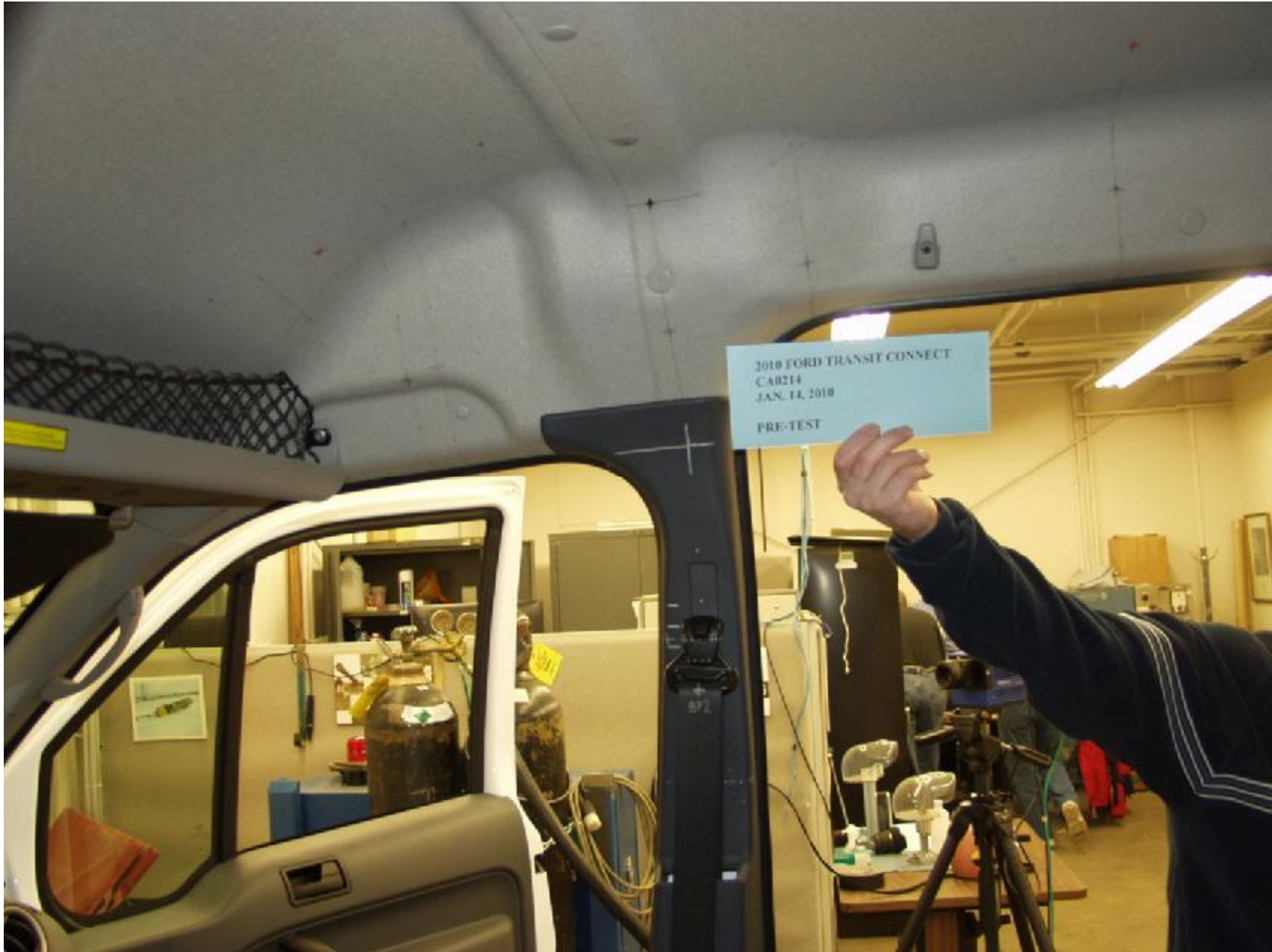


Figure A-16 : PRE-TEST PASSENGER SIDE B-PILLAR



Figure A-17 : PRE-TEST PASSENGER SIDE SLIDING DOOR



Figure A-18 : PRE-TEST PASSENGER SIDE OTHER 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

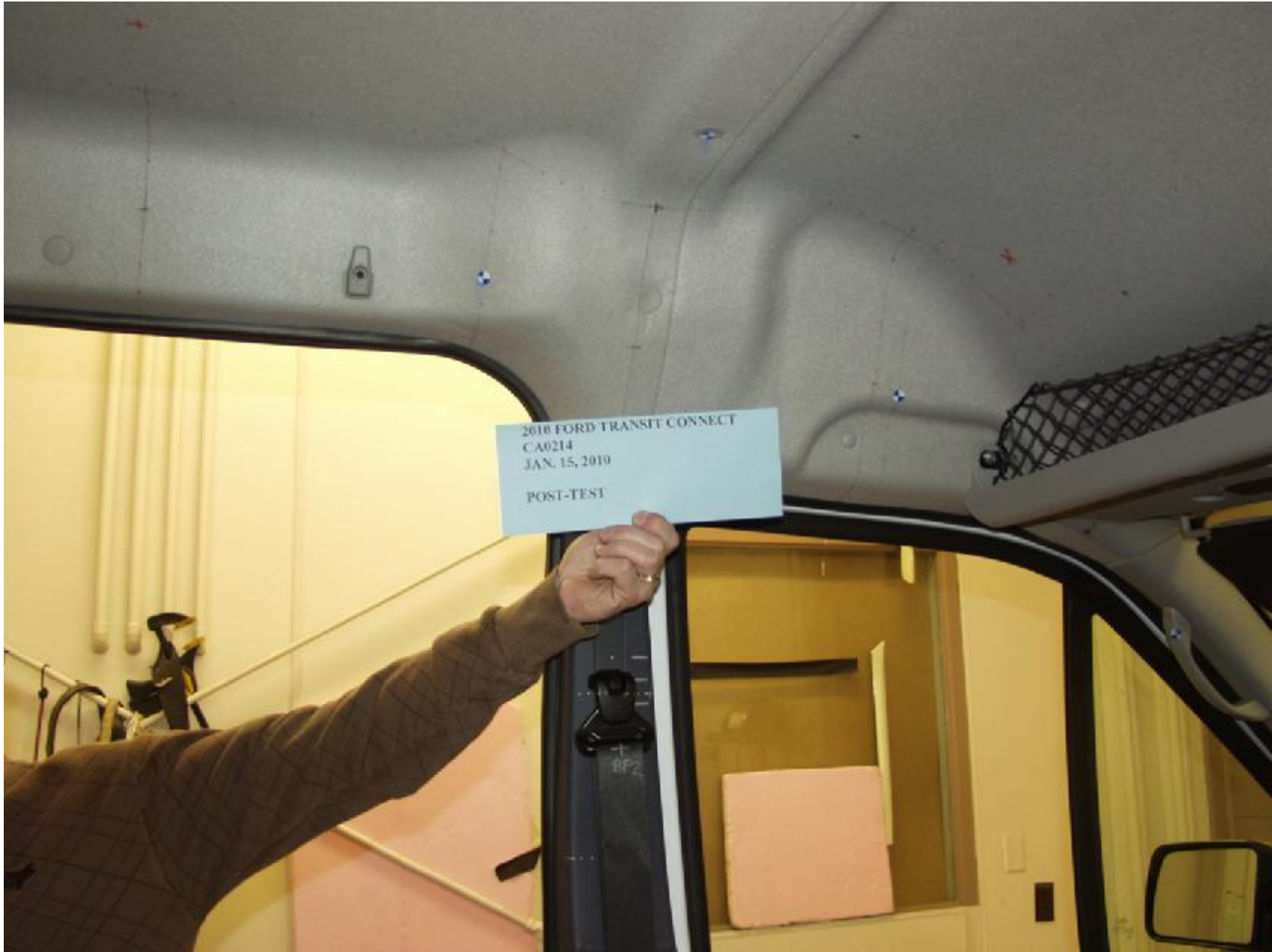


Figure A-22 : POST-TEST DRIVER SIDE B-PILLAR



Figure A-23 : POST-TEST DRIVER SIDE SLIDING DOOR



Figure A-24 : POST-TEST DRIVER SIDE OTHER 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 SLIDING DOOR



Figure A-30 : POST-TEST PASSENGER SIDE OTHER 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:		1142	
CALIBRATION DATE:		October 19 ,2009	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	22	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	254.4	
PEAK LATERAL ACCELERATION	15 Gs Maximum	9.3	
IS ACCELERATION CURVE UNIMODAL?	YES	YES	

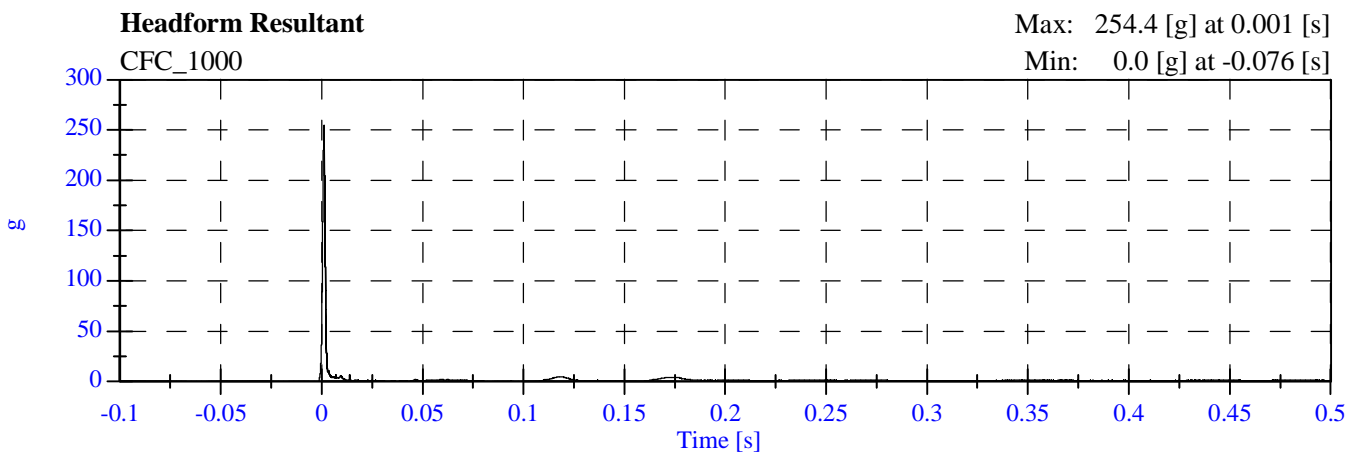
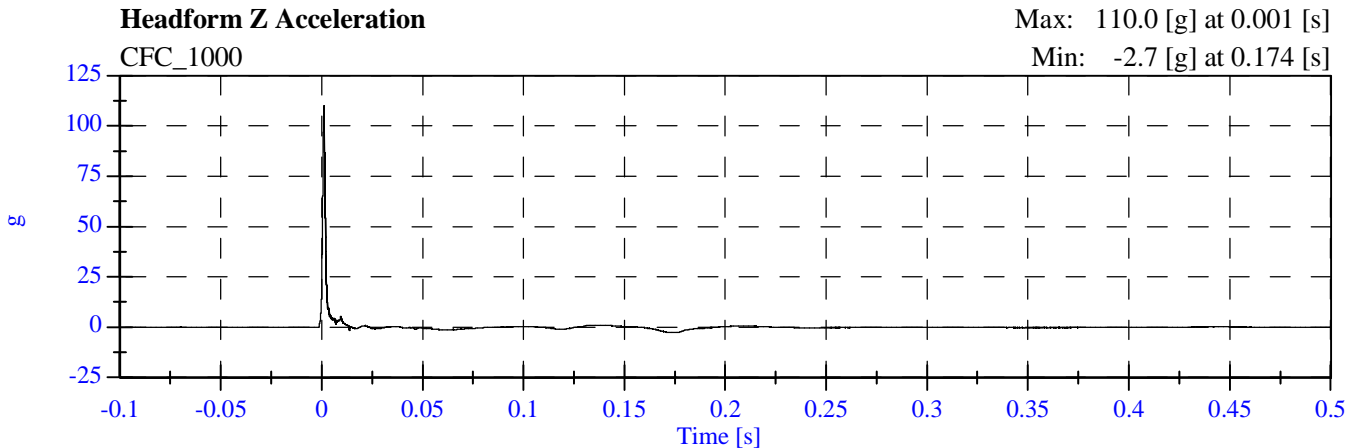
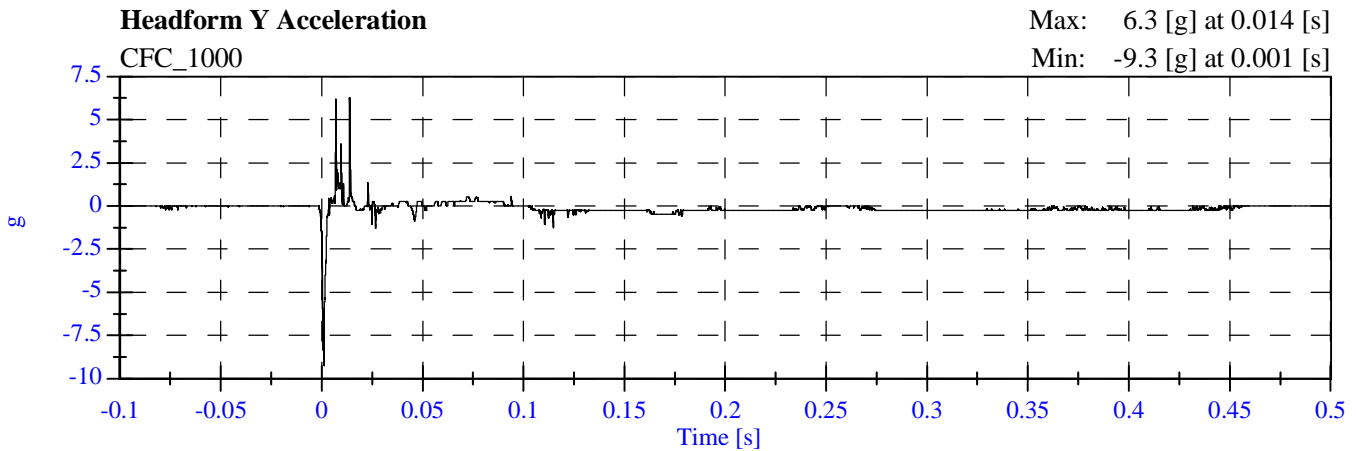
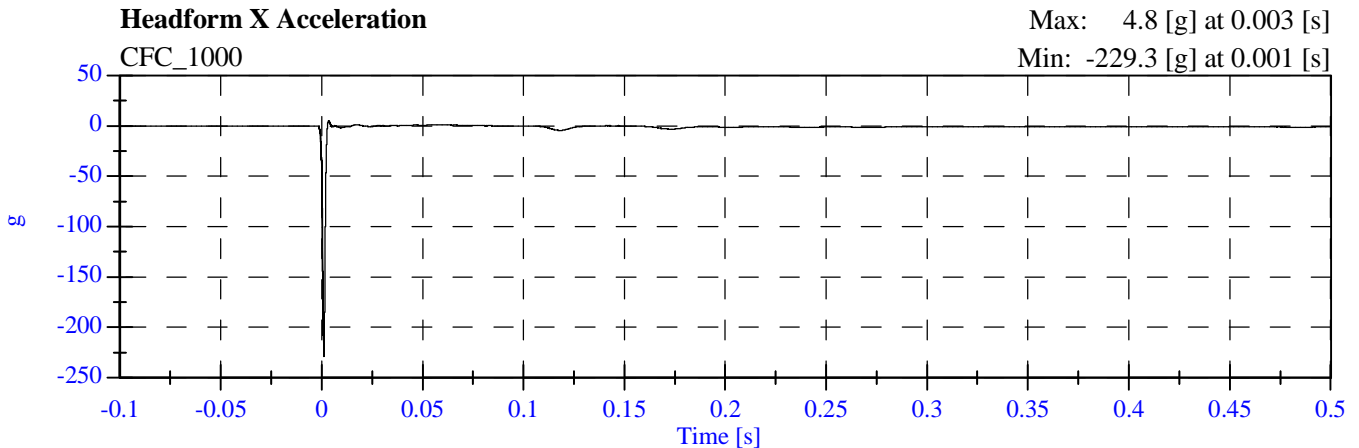
HEAD ACCELEROMETER CALIBRATION INFORMATION

I.D. NUMBER	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	DATE OF LAST CALIBRATION	DATE OF NEXT CALIBRATION
1 -LONGITUDINAL	ENDEVCO	7264-2000T	J24876	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J33030	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J31009	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops

CA0214 - October 19, 2009



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

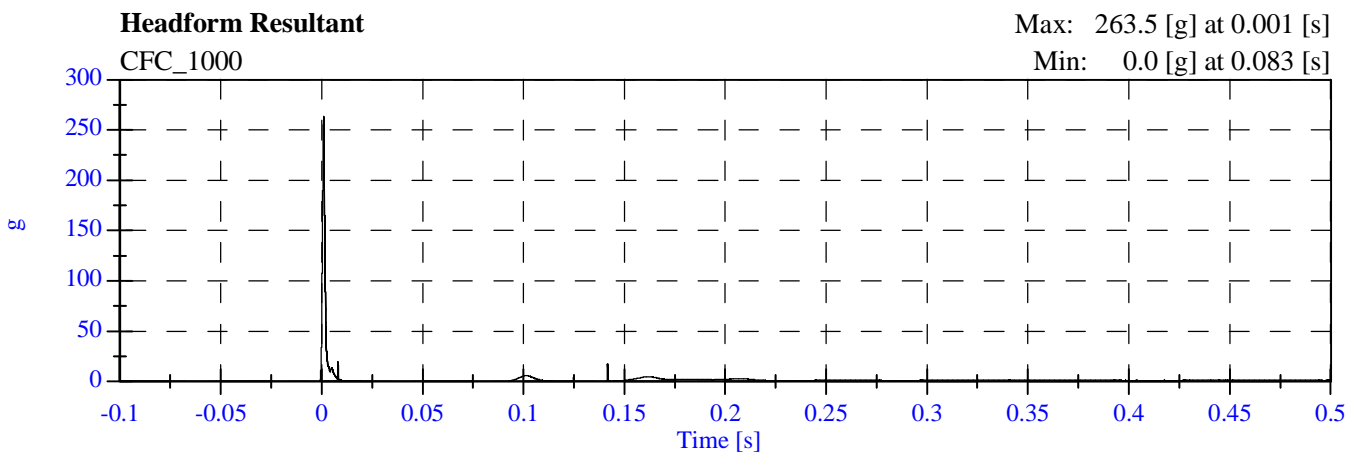
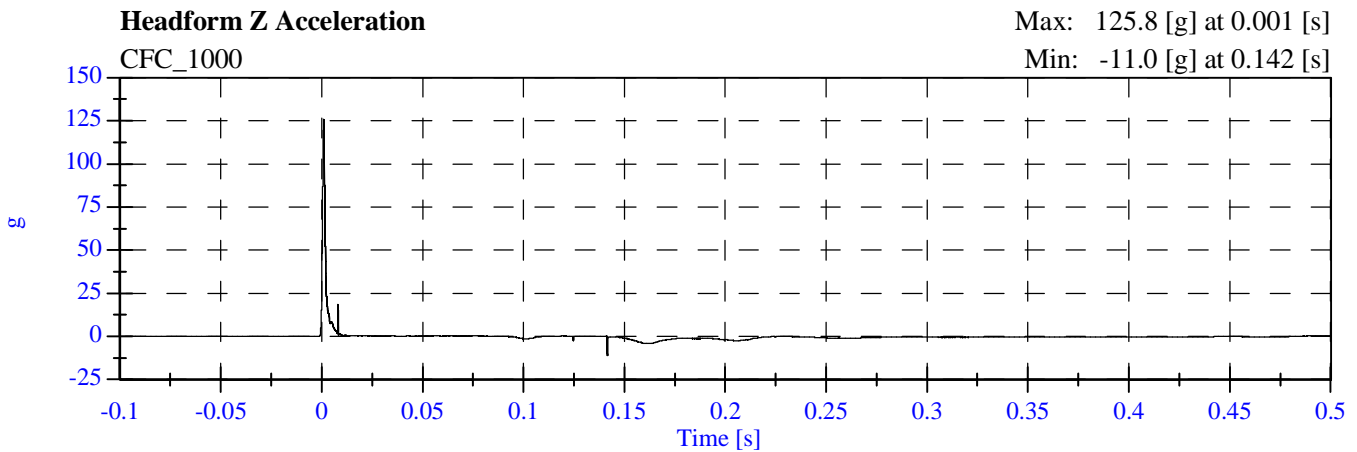
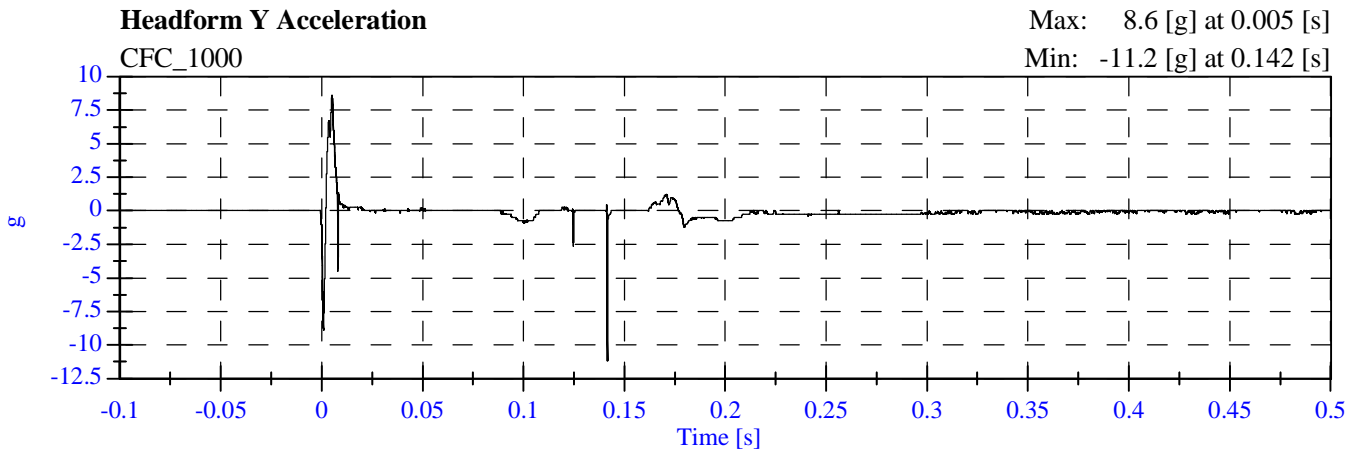
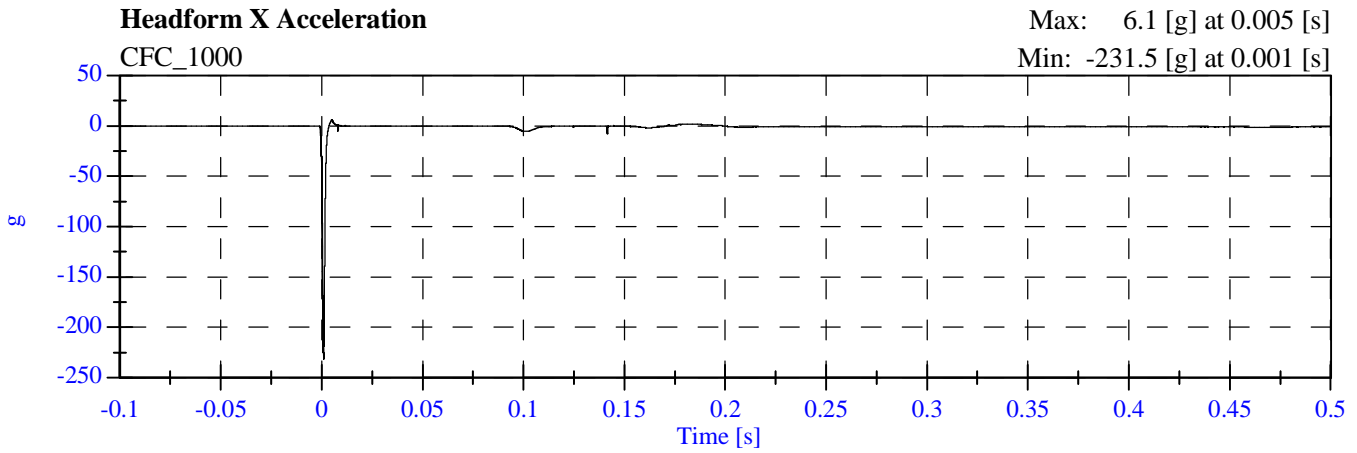
MANUFACTURER:		DENTON ATD INC.	
SERIAL NUMBER:		0062	
CALIBRATION DATE:		October 19 ,2009	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	22	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	263.5	
PEAK LATERAL ACCELERATION	15 Gs Maximum	11.2	
IS ACCELERATION 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	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J33019	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J32782	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops CA0214 - October 19, 2009



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

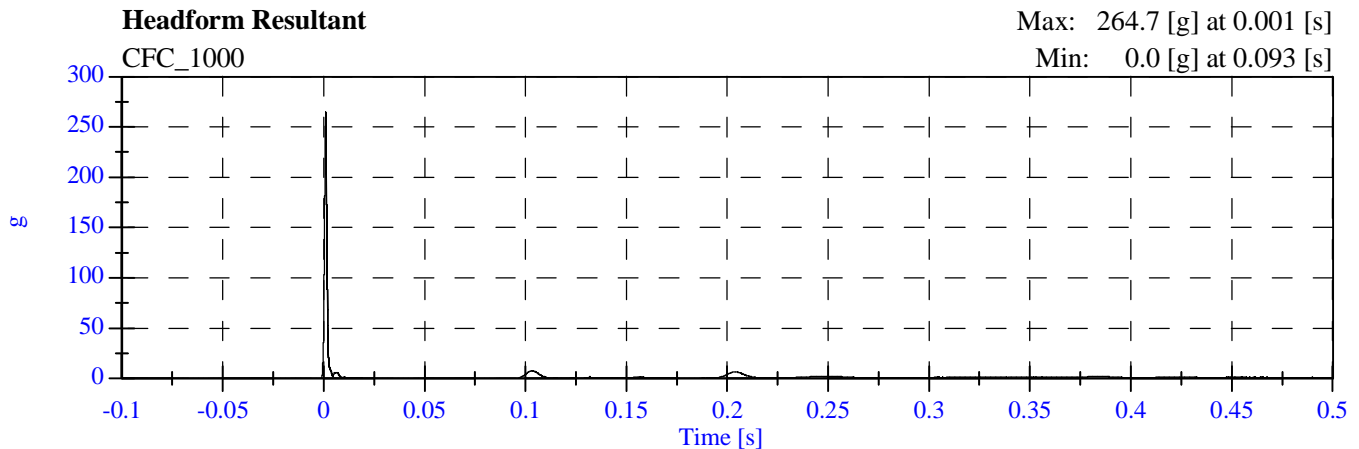
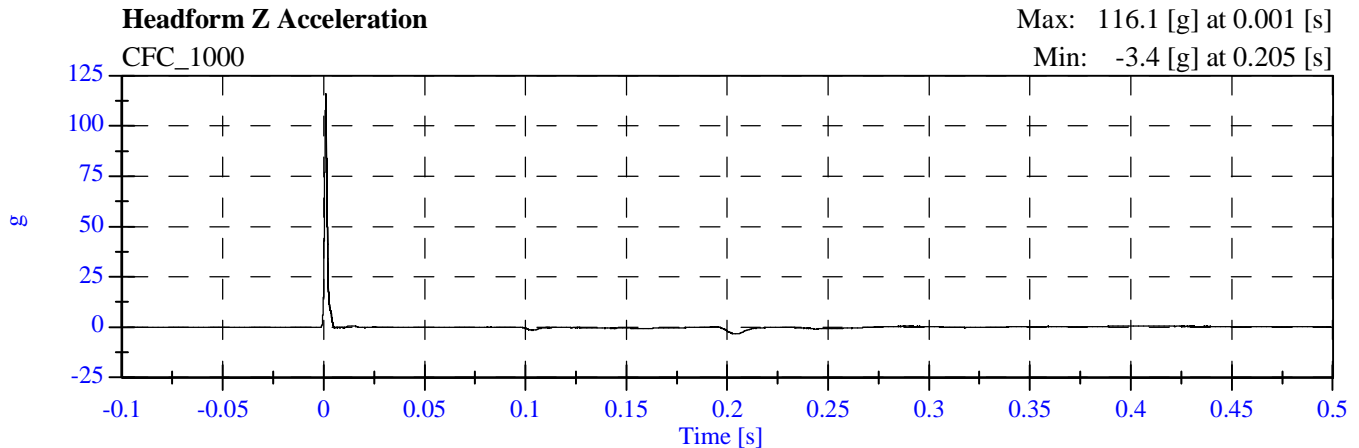
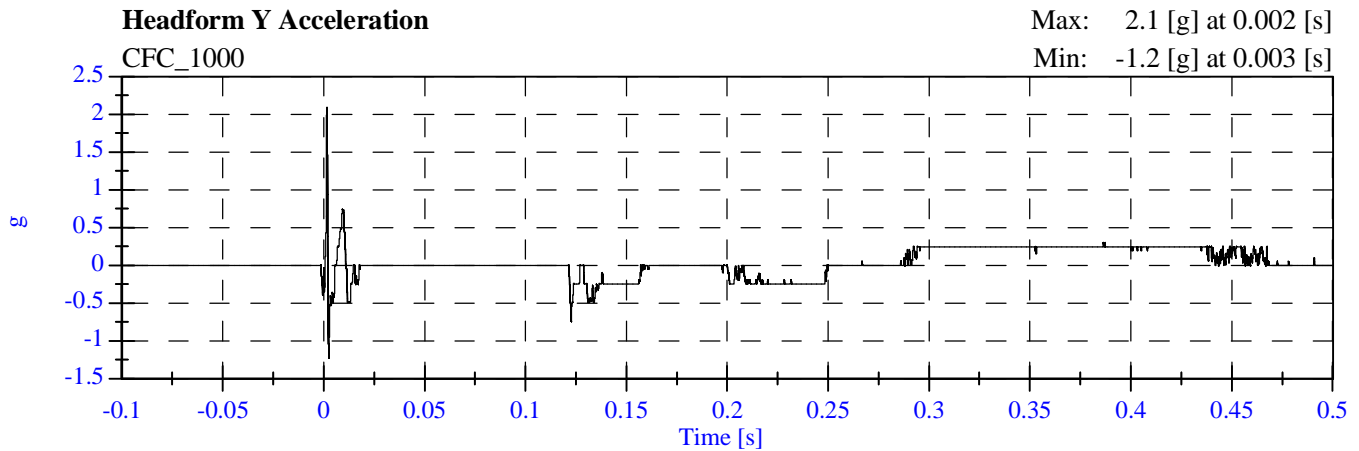
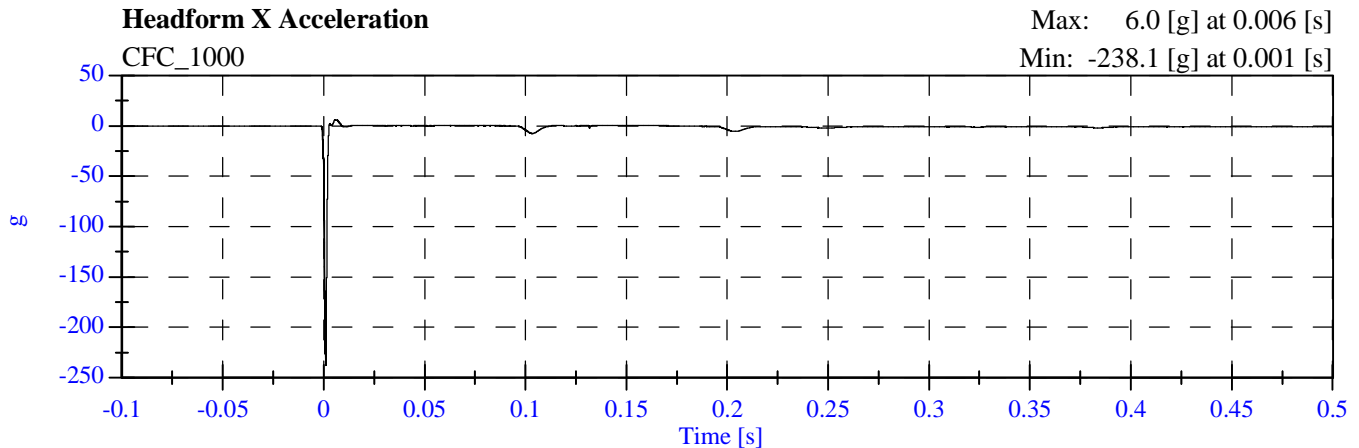
MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		805	
CALIBRATION DATE:		October 19 ,2009	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	22	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	264.7	
PEAK LATERAL ACCELERATION	15 Gs Maximum	2.1	
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	J41004	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J37496	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J41016	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops CA0214 - October 19, 2009



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

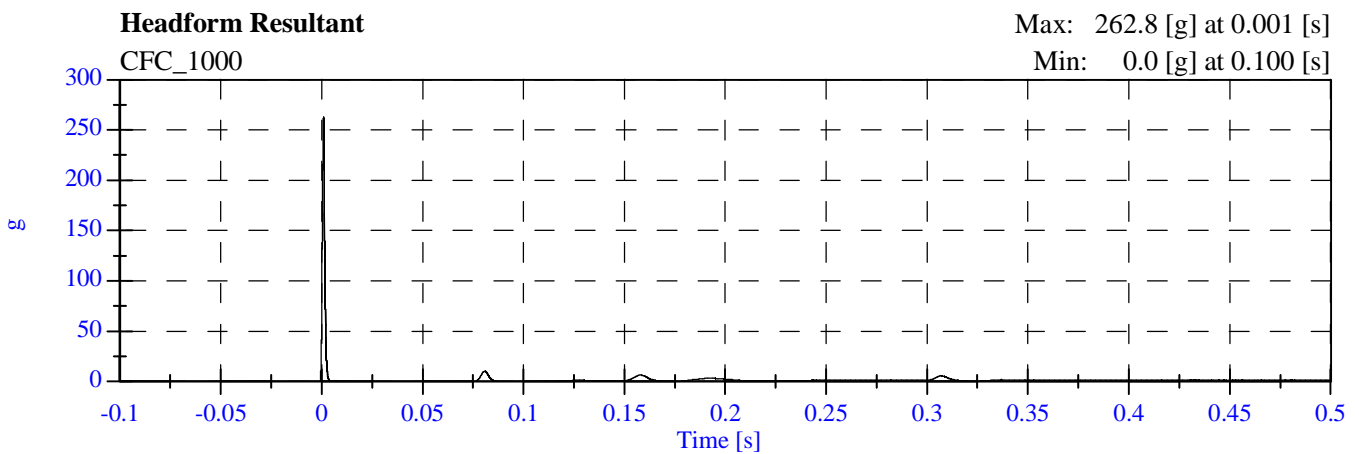
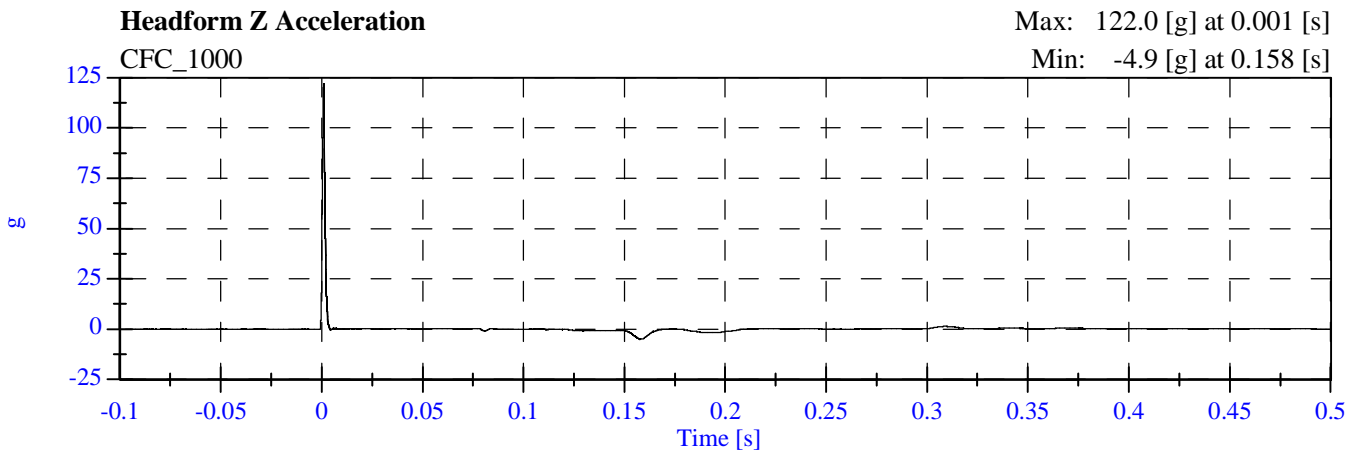
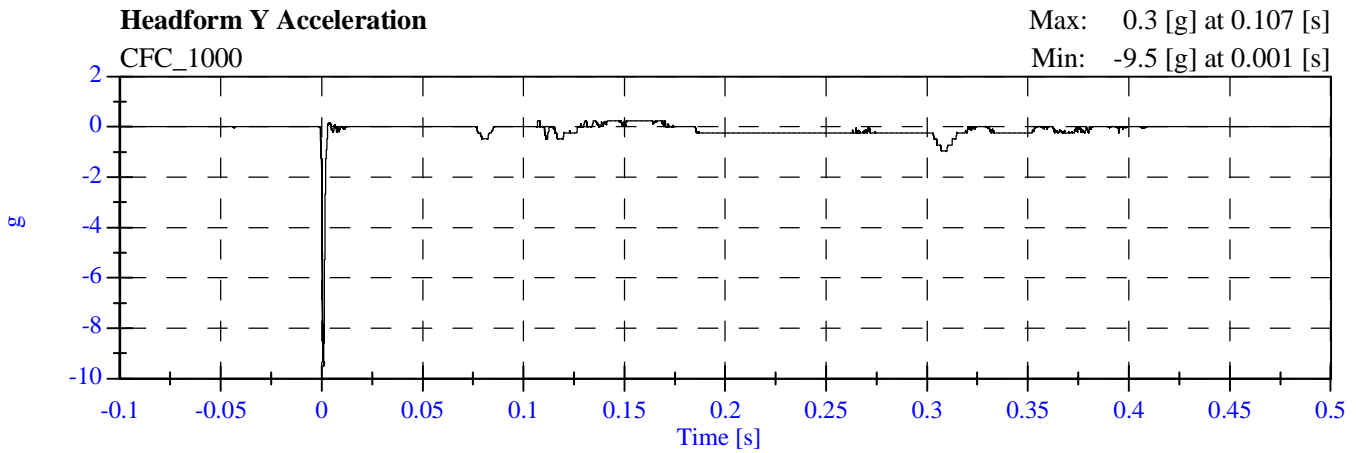
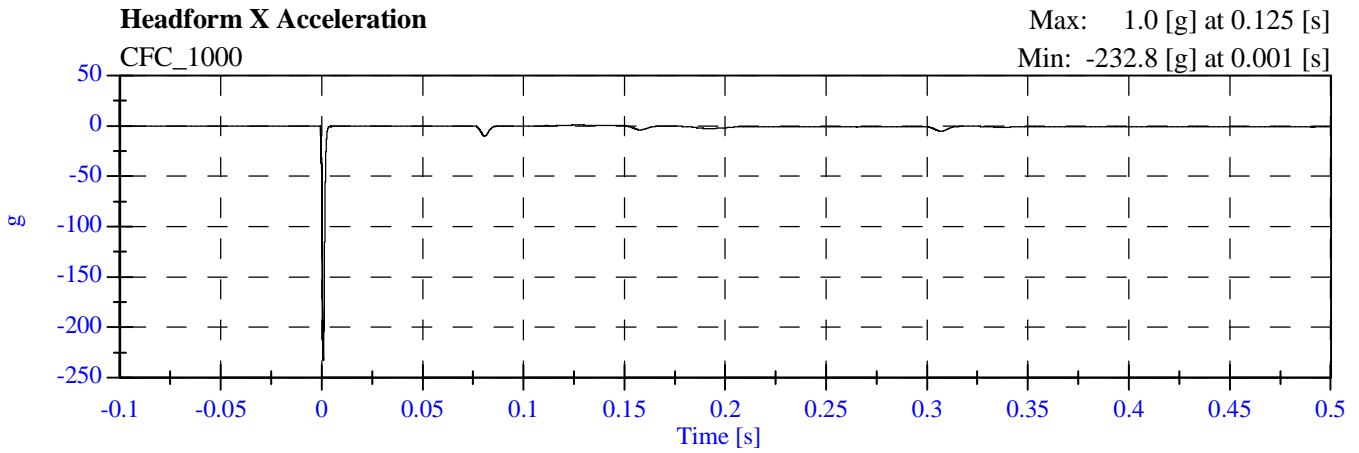
MANUFACTURER:		DENTON ATD INC.	
SERIAL NUMBER:		0355	
CALIBRATION DATE:		October 19 ,2009	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	22	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	262.8	
PEAK LATERAL ACCELERATION	15 Gs Maximum	9.5	
IS ACCELERATION 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	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J32779	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J25854	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops CA0214 - October 19, 2009



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

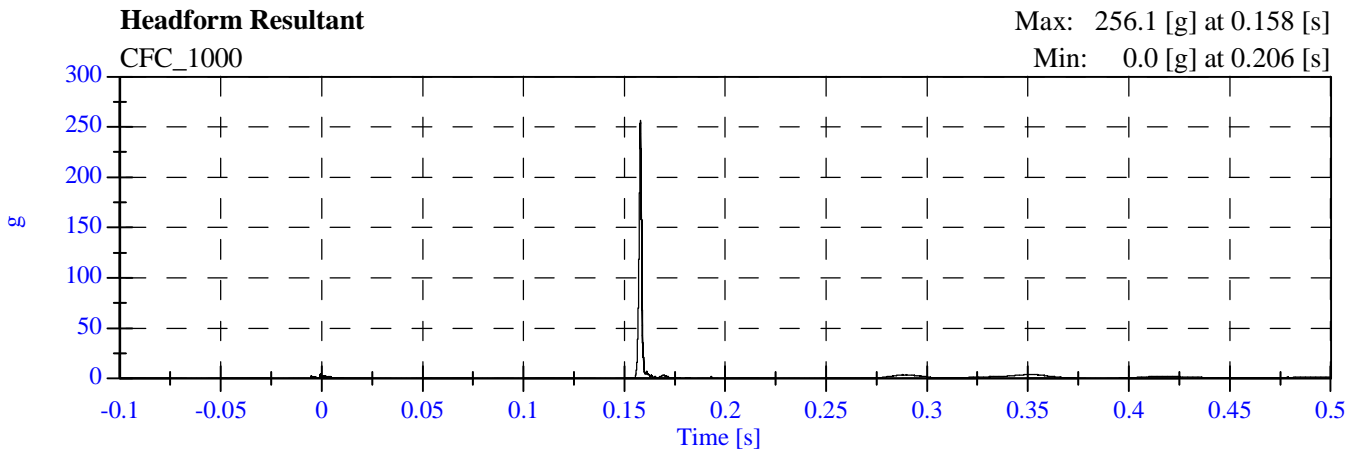
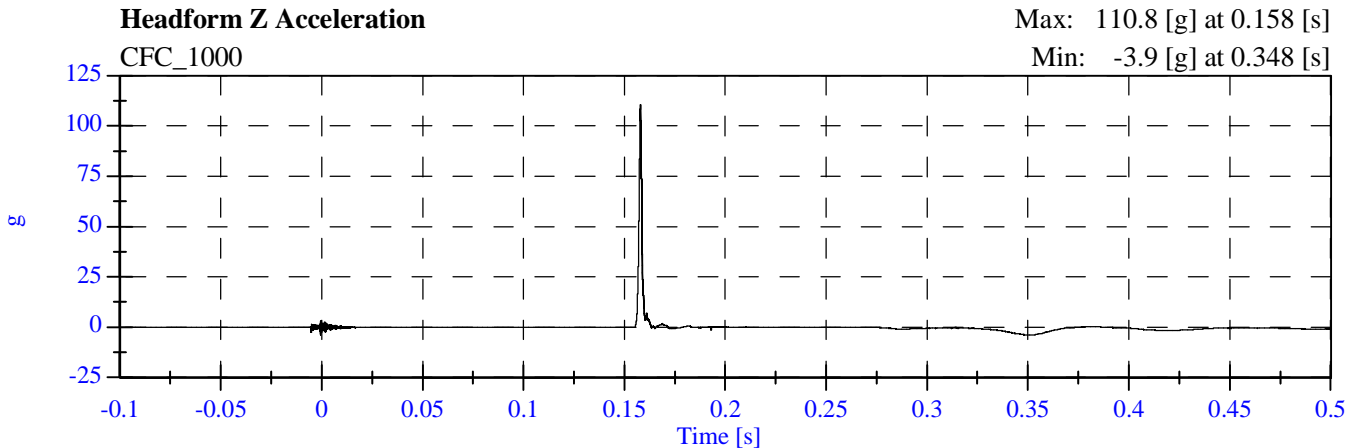
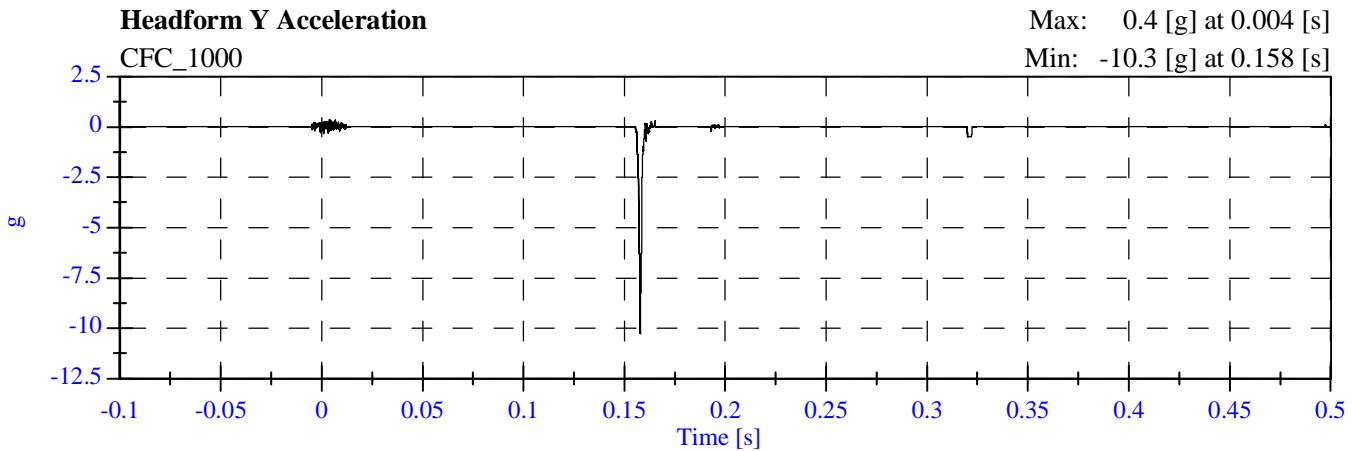
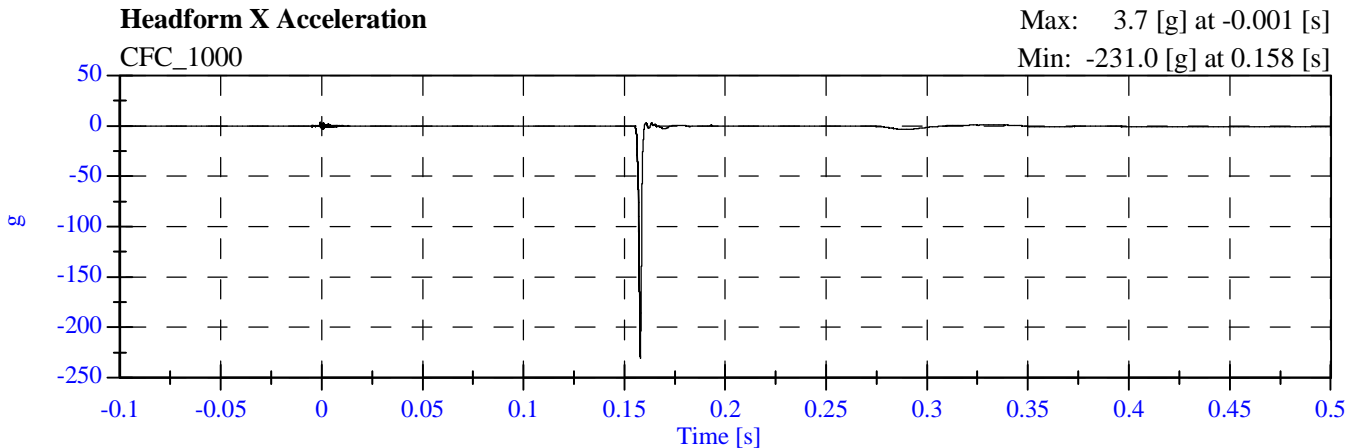
MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		1140	
CALIBRATION DATE:		October 19 ,2009	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	22	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	256.1	
PEAK LATERAL ACCELERATION	15 Gs Maximum	10.3	
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	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J40994	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J41007	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops CA0214 - October 19, 2009



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

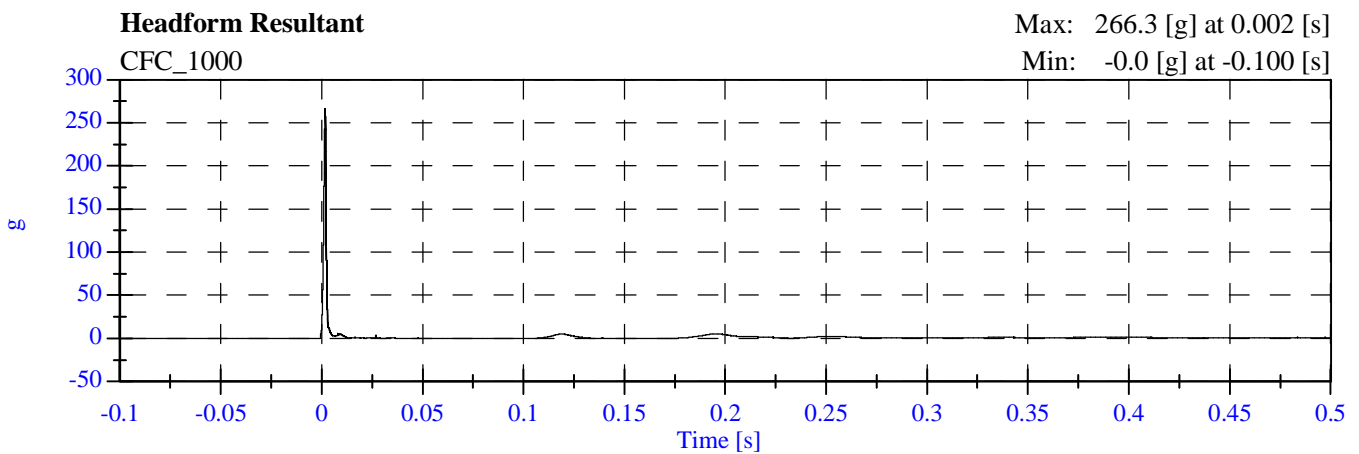
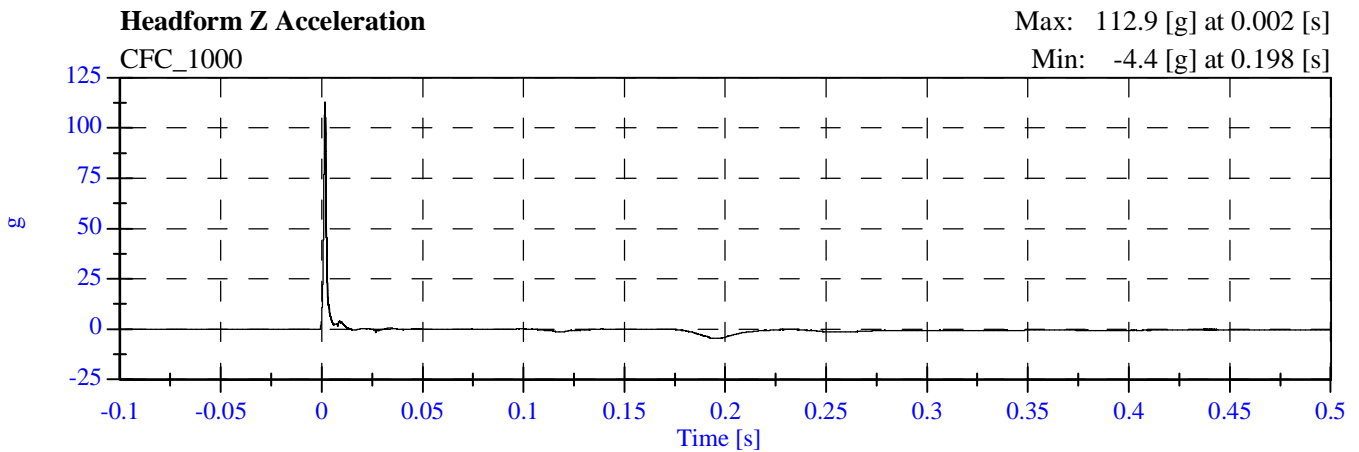
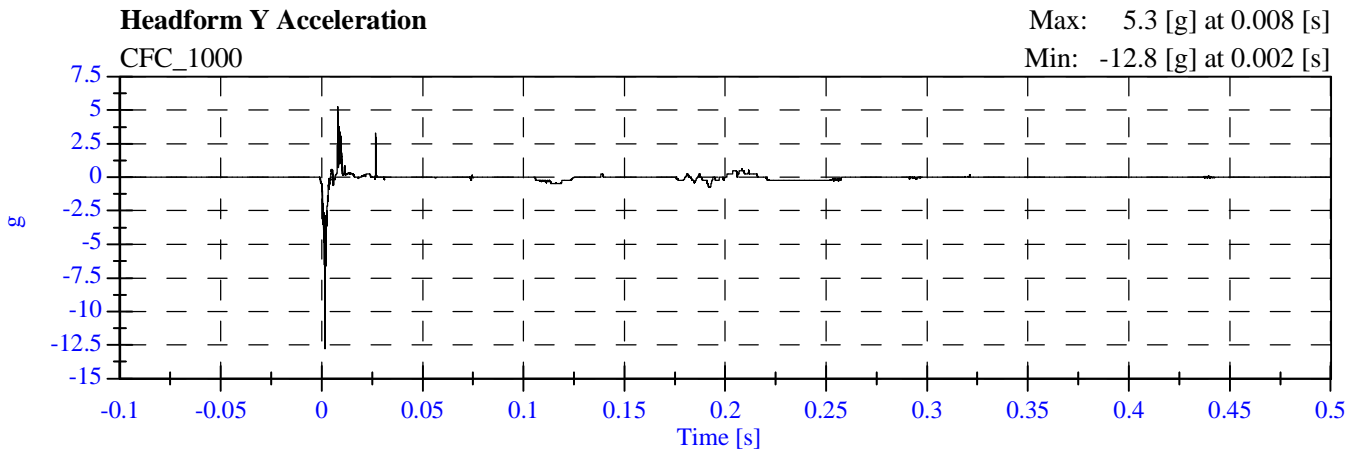
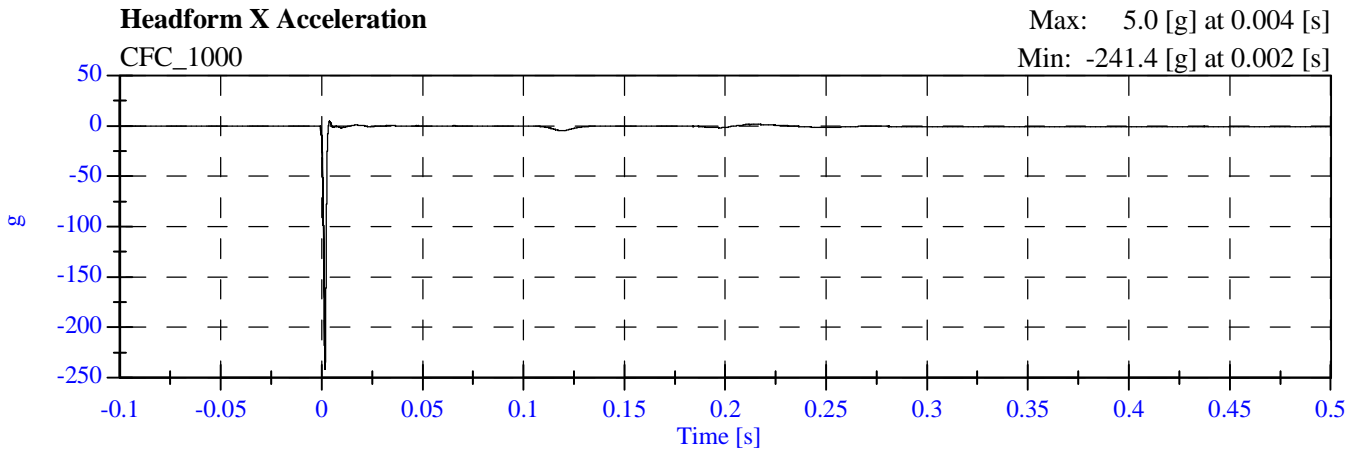
MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		1142	
CALIBRATION DATE:		January 19, 2010	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	24	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	266.3	
PEAK LATERAL ACCELERATION	15 Gs Maximum	12.8	
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	J24876	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J33030	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J31009	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops CA0214 - January 19, 2010



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

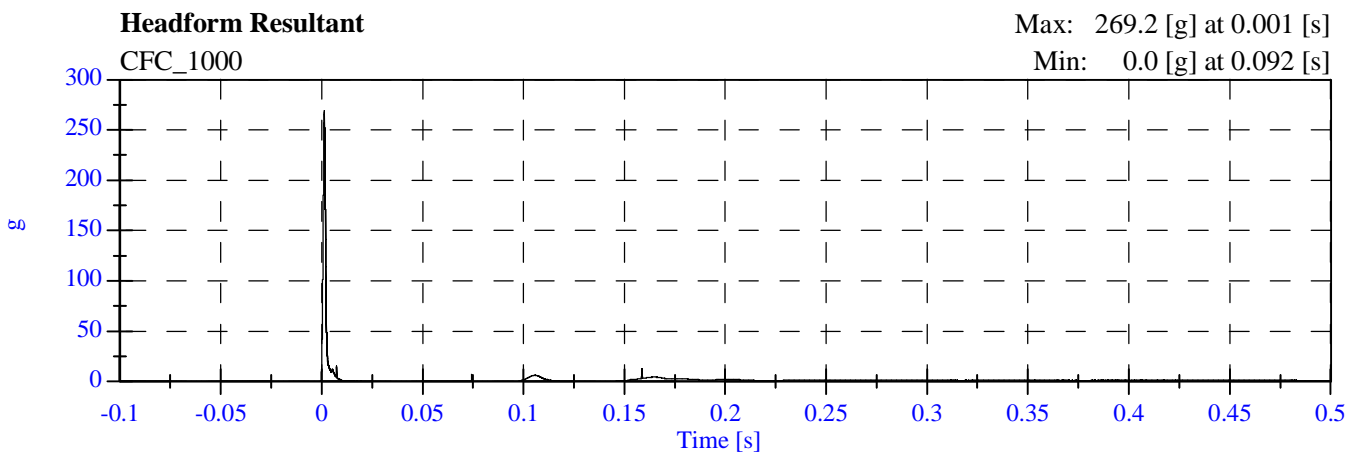
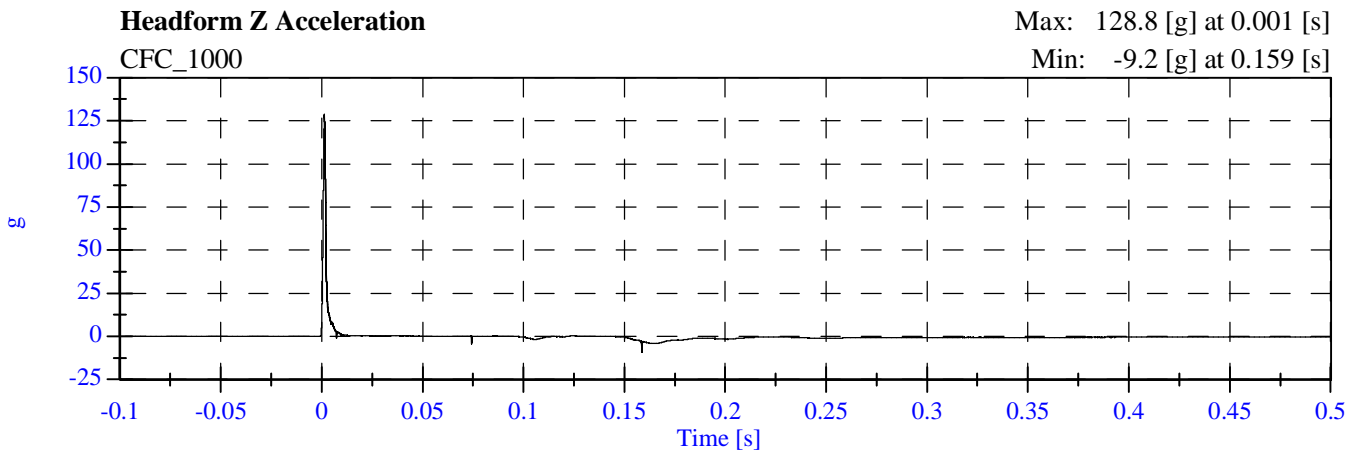
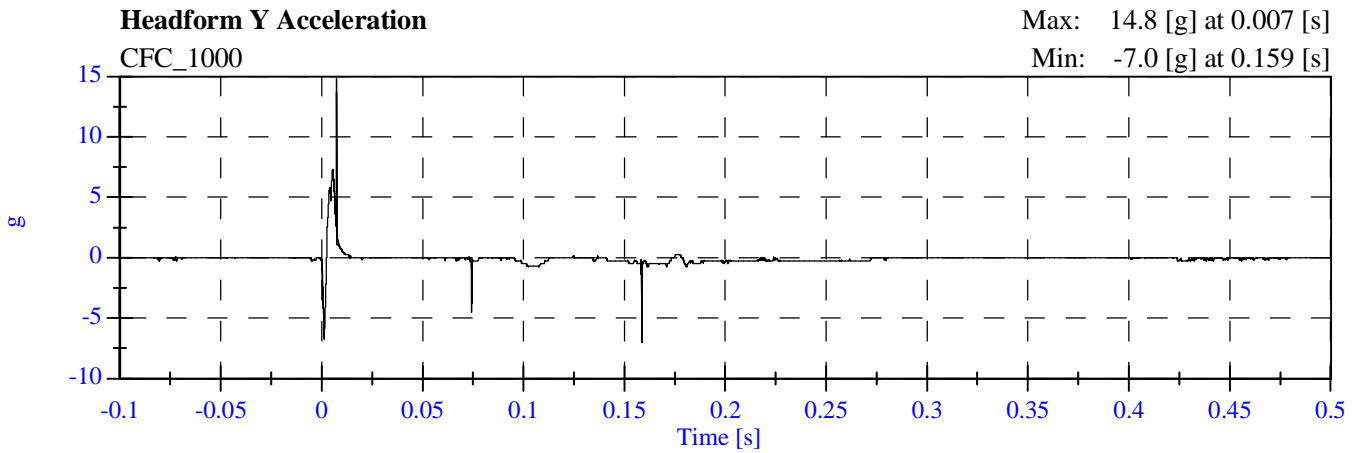
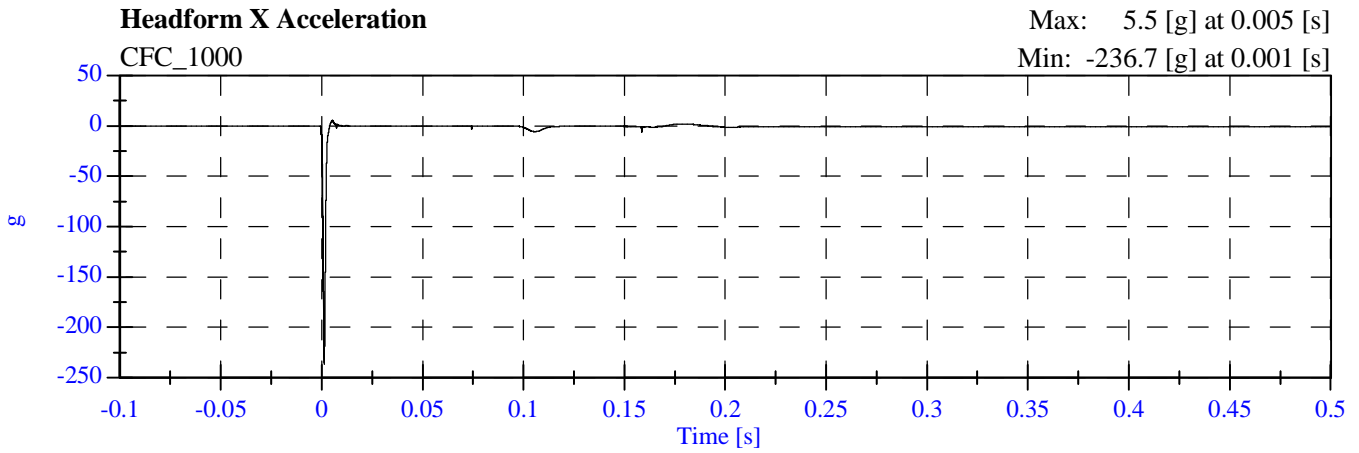
MANUFACTURER:		DENTON ATD INC.	
SERIAL NUMBER:		0062	
CALIBRATION DATE:		January 19, 2010	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	24	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	269.2	
PEAK LATERAL ACCELERATION	15 Gs Maximum	14.8	
IS ACCELERATION 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	J33127	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J33019	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J32782	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops CA0214 - January 19, 2010



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

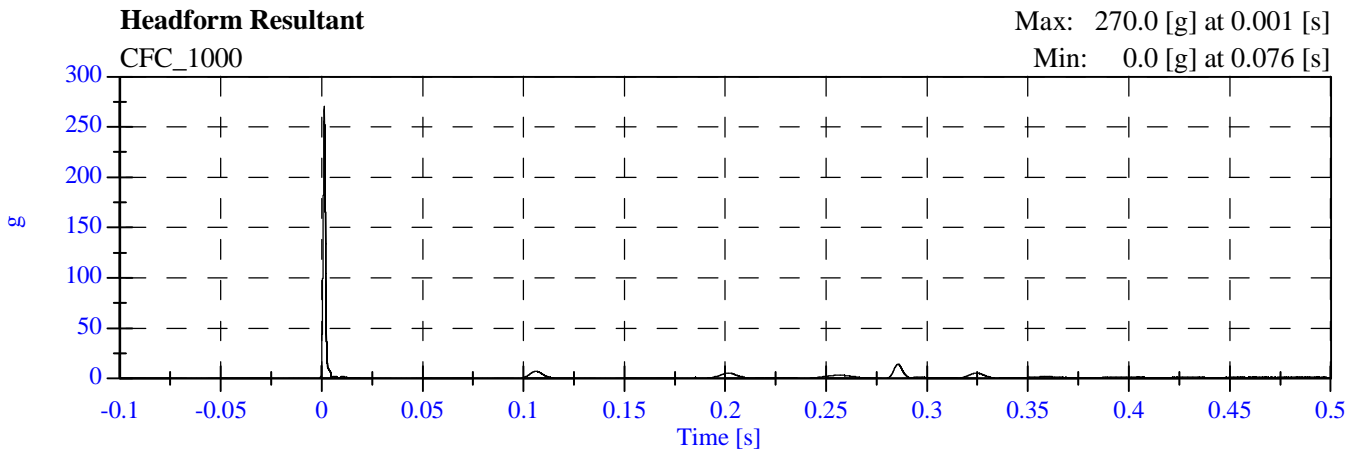
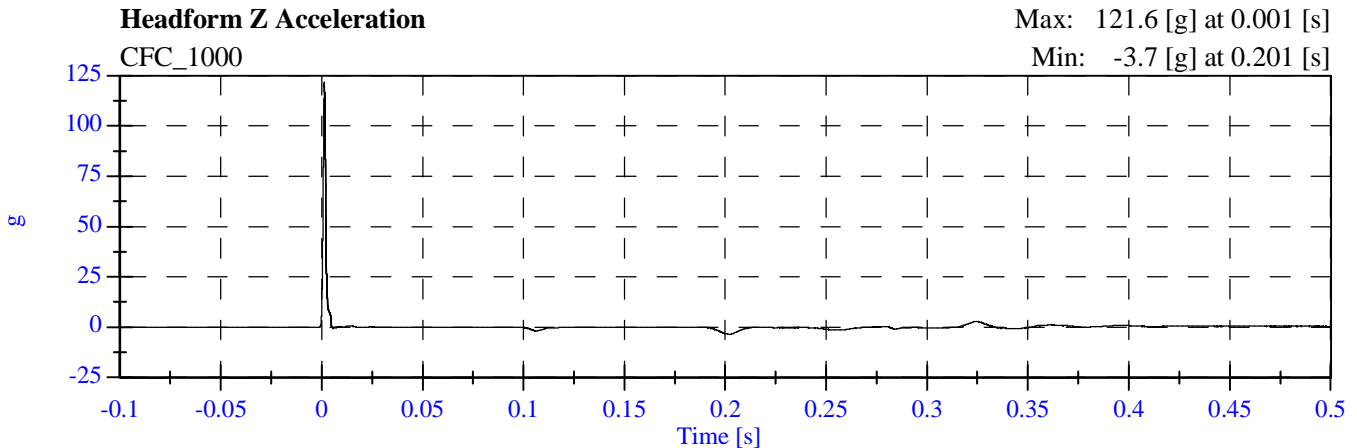
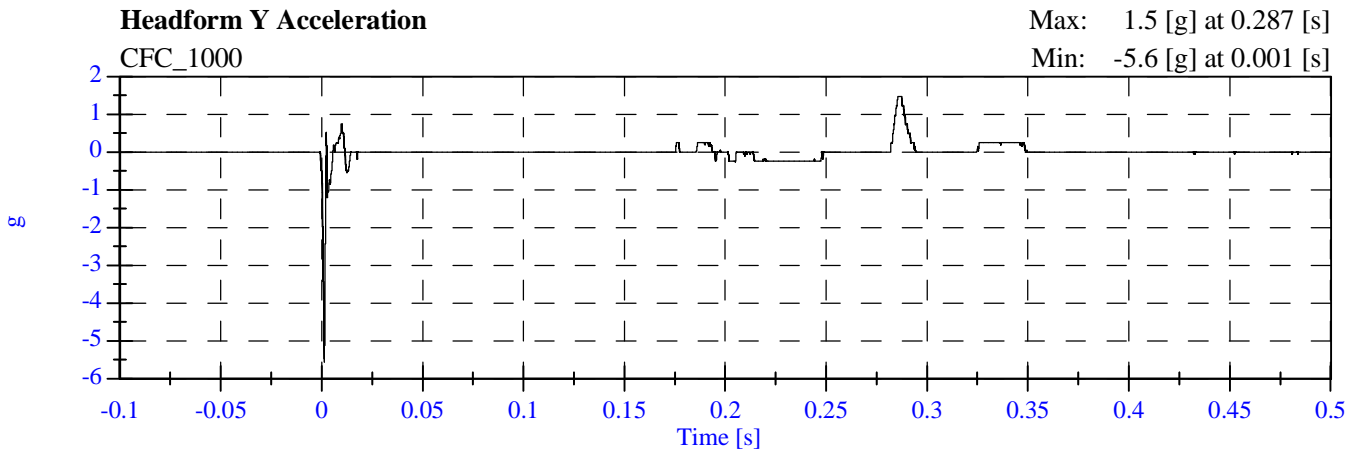
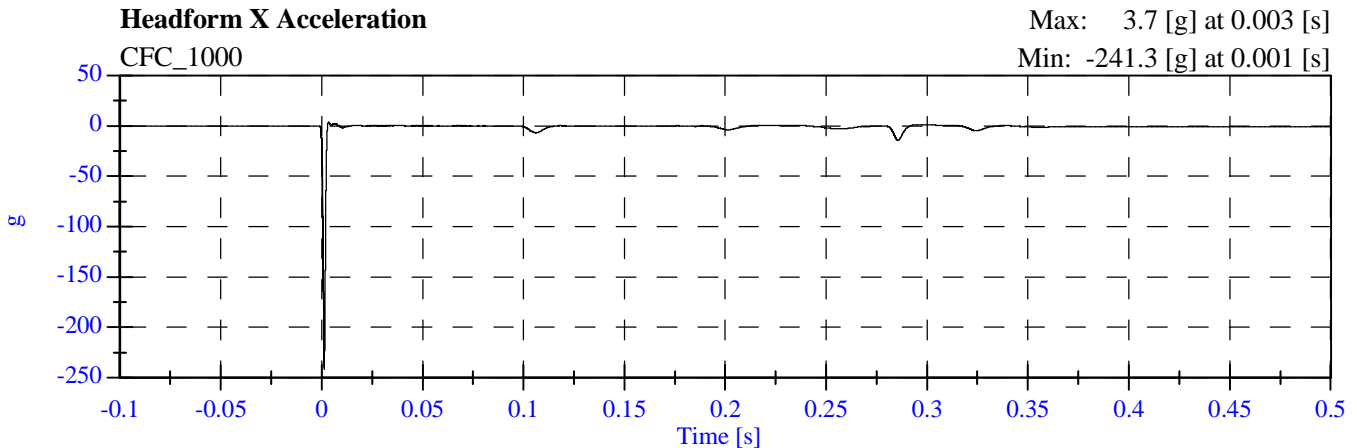
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SERIAL NUMBER:		805	
CALIBRATION DATE:		January 19, 2010	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	24	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	270.0	
PEAK LATERAL ACCELERATION	15 Gs Maximum	5.6	
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	J41004	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J37496	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J41016	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops CA0214 - January 19, 2010



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

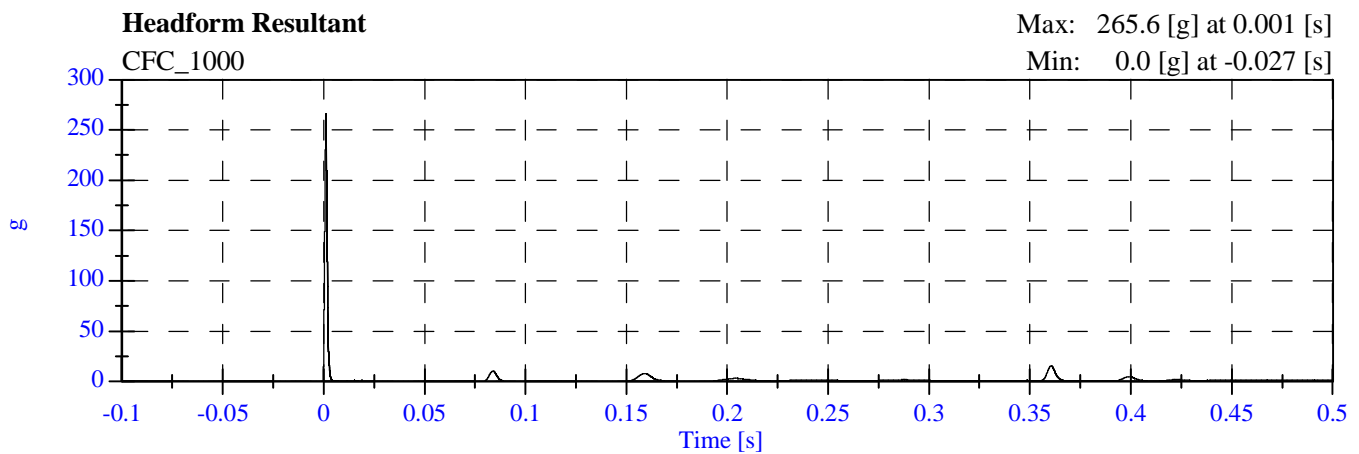
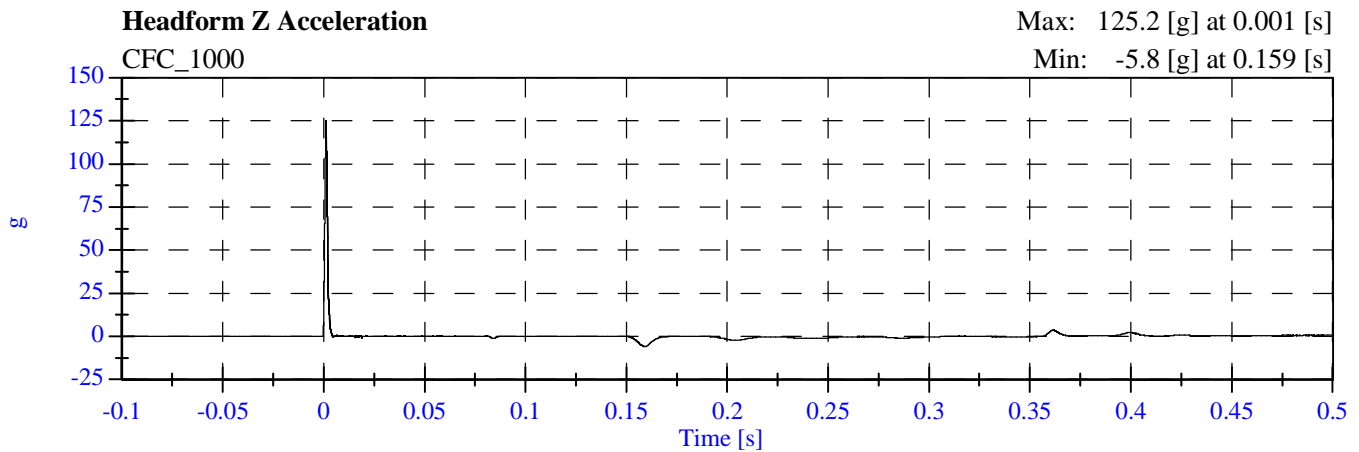
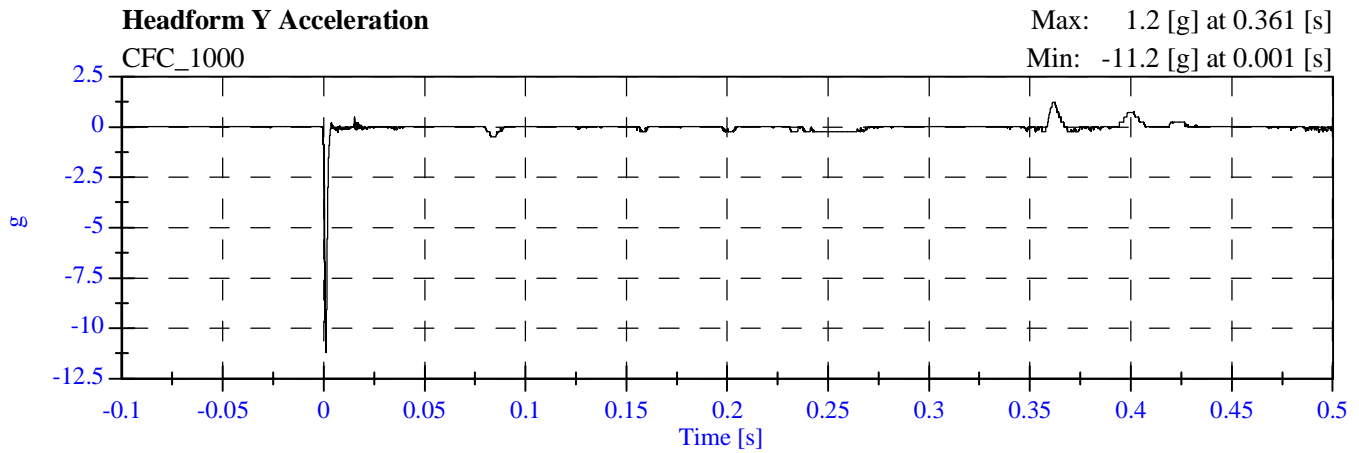
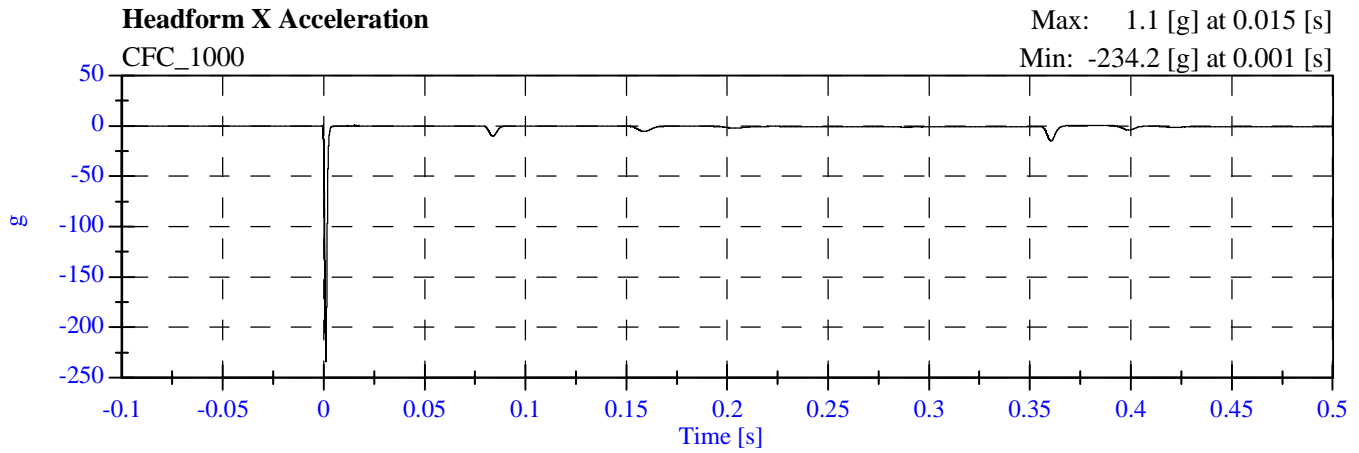
MANUFACTURER:		DENTON ATD INC.	
SERIAL NUMBER:		0355	
CALIBRATION DATE:		January 19, 2010	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	24	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	265.6	
PEAK LATERAL ACCELERATION	15 Gs Maximum	11.2	
IS ACCELERATION 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	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J32779	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J25854	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops CA0214 - January 19, 2010



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

MANUFACTURER:		FIRST TECHNOLOGY SAFETY SYSTEMS	
SERIAL NUMBER:		1255	
CALIBRATION DATE:		January 19, 2010	
TEST PARAMETER	SPECIFICATION	TEST RESULTS	
TEMPERATURE	19°C to 26°C	20	
RELATIVE HUMIDITY	10% to 70%	24	
PEAK RESULTANT ACCELERATION	225 Gs to 275 Gs	265.3	
PEAK LATERAL ACCELERATION	15 Gs Maximum	7.6	
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	J41006	9/17/2009	3/17/2010
2 - LATERAL	ENDEVCO	7264-2000T	J40994	9/17/2009	3/17/2010
3 - VERTICAL	ENDEVCO	7264-2000T	J41007	9/17/2009	3/17/2010

REMARKS:

FMVSS 201U - Headform Calibration Drops CA0214 - January 19, 2010

