

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

1997 - 2006 Wrangler (TJ)

Compliance

VC05769

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC05769 30 MPH TYPE IV REAR IMPACT, TJJ-77, 2.5L ITEM TJ5472
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 12/23/95

BUILD CONDITION 1997 TJ PVP PILOT WITH 2.5 L. ENGINE & MANUAL TRAN
4X4 TRANSFER CASE.
POWER STEERING, POWER BRAKES.
TJ TILT STEERING COLUMN, D06.
TJ STEERING WHEEL, B06
INTERMEDIATE SHAFT - 2 PIECE WITH CENTER BEARING.
19.0 GALLON FUEL TANK W. MOD FILL AND VENT NIPPLES
TWO PLASTIC RAMPS MOUNTED TO THE FUEL TANK STRAPS.
MODIFICATIONS MADE TO REAR CHASSIS CROSSMEMBER TO
REMOVE 10 MM MATERIAL FROM TOP EDGE.
PRODUCTION INTENT TOOLING PARTS.
REINFORCED STRIKER BRACKET ON REAR LEFT WHEELHOUSE
PRODUCED WITH PRODUCTION TOOLS.
TRACK BAR BRACKET COVER OF PLASTIC.
TRACK BAR BRACKET PRODUCTION INTENT DESIGN.
PLASTIC WELTING WITH STEEL REINFORCEMENT.
NO THIRD BODY CROSSMEMBER CUTOUT.
NO FUEL REGULATOR SHIELD.
REAR SPARE TIRE 215/75R15 W/STEEL RIMS.
ADDITIONAL PUDDLE WELD IN REAR DECK LEFT CORNER.

TARGET WEIGHT (LBS) 3533 TOTAL, 1758 FRONT, 1775 REAR, REP MAX OPT WT.
DOES NOT INCLUDE OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 18.3 GALLONS STODDARD SOLVENT.
200 LBS BALLAST IN REAR FOOTWELLS.
200 LBS OF BALLAST SECURED TO FRONT BUMPER. 50 LBS
OF BALLAST SECURED TO LF FLOORPAN. 50 LBS OF
BALLAST SECURED TO RF FLOORPAN. 140 LBS OF BALLAST
SECURED TO ENGINE (TO SIMULATE 4.0 L ENGINE).

POST TEST REMARKS NO FUEL LEAKS AT IMPACT. NO FUEL LEAKS DURING
STATIC ROLL. FUEL SYSTEM INTEGRITY WAS MAINTAINED.

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA
C = HIGH SPEED FILM D = ENGINEER'S REPORT
E = DUMMY KINEMATICS F = STEERING COLUMN
G = UNDERBODY H = A-POST
I = DYNAMIC CRUSH J = ENGINE COMPARTMENT
K = DOOR CRUSH L = FORCE/CRUSH/ENERGY
M = SPECIAL N = CATALOG EDP DATA
* = REPORT REQUESTOR

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 03

VC05769 30 MPH TYPE IV REAR IMPACT, TJJ-77, 2.5L ITEM TJ5472
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 12/23/95

DISTRIBUTION

D.J. MCKENZIE
J.B. ESTES

422-05-01 (AB)
422-05-01 (AB)

DATE 12/23/95

TIME 11.12.33.

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC5769, ITEM NUMBER TJ5472, TEST ENGINEER MARTIN

V.I.N. 1J4FY29P6VP [REDACTED] TEST DATE 12/23/95 ROLL DATE 12/23/95

TEST TYPE; 30 MPH REAR TYPE IV

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.3 GALLONS

TEST SPEED 30.1 MPH, TEST WEIGHT 4068 POUNDS.

POST TEST FUEL SYSTEM OBSERVATIONS No fuel leaks At impact.
No fuel leaks during static roll.
Fuel System Integrity was maintained.

POST IMPACT LEAKAGE(OZ); AT IMPACT 0
 1ST 5 MIN. 0
 NEXT 25 MIN. 0

POST TEST PRESSURE CHECK _____

ELECTRIC FUEL PUMP RUN _____

STATIC ROLL LEAKAGE WITH VEHICLE Left (west) SIDE DOWN FIRST

		FUEL LEAKAGE LOCATIONS DURING STATIC ROLL				TOTAL	
ROLL TIME							
0-90	1ST 5 MIN					0	*
<u>2:06</u>	POST 5 MIN					0	**
90-180	1ST 5 MIN					0	*
<u>2:08</u>	POST 5 MIN					0	**
180-270	1ST 5 MIN					0	*
<u>2:02</u>	POST 5 MIN					0	**
270-360	1ST 5 MIN					0	*
<u>2:05</u>	POST 5 MIN					0	**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

LAST FORM MODIFICATION 5/27/93 - GAB



Image Source Inc.

801 Front Street
Tulsa, Oklahoma
44127-1111
Fax 419 677-1277

IMAGE & INFORMATION MGT.

DECLARATION OF INTENT AND PURPOSE

I Jennifer Heck
employed by Image Source Inc., do hereby declare
that the records microfilmed herein are actual records
of Chrysler Corp
created during its normal course of business and that:

It is the express intent and purpose of this
organization to destroy or otherwise dispose of the
original records microphotographed herein, and that:

The destruction or disposition of the records micro-
graphed on this microfilm media is only to be accom-
plished after inspection of the microfilm content, to
assure completeness of coverage, and that:

It is the policy of this organization to microfilm and
dispose of original records in accordance with cus-
tomer authorization or as part of the planned organi-
zational operation procedure.

Date 3-11-98
Microfilming Operator Jennifer Heck
Location 801 Front St.

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC05769 30 MPH TYPE IV REAR IMPACT, TJJ-77, 2.5L ITEM TJ5472
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 12/23/95

TEST PURPOSE	PRIMARY, 1997 USA 301 VALIDATION. FUEL SYSTEM INTEGRITY.	
IMPACT TYPE	TARGET SPEED; 30.1 MPH DAMAGE LOCATION; REAR BARRIER TYPE; REAR TYPE IV BARRIER SURFACE; PLYWOOD	
VEHICLE	BODY CLASS; T3 CAR LINE; J BODY; 77 ENGINE; 2.5 LITRE ENGINE NOTE; ELECTRONIC FUEL INJECTION TRANSMISSION; 5 SPEED MANUAL 4x4 TRANS. NOTE; VIN AS TESTED; 1J4FY29P6VP [REDACTED] MOD. VIN AS BUILT; 1J4FY29P6VP [REDACTED] MOD.	
TEST SPEED	30.1 MPH BY ELECTRONIC TRAP.	
TEST WEIGHT (LBS)	4068 TOTAL, 1976 FRONT, 2092 REAR	
OCCUPANTS	LEFT FRONT, HYB II, UNINSTRUMENTED. RESTRAINT-UNIBELT ONLY.	AD-52
	RIGHT FRONT, HYB II, UNINSTRUMENTED. RESTRAINT-UNIBELT ONLY.	AD-67

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC05769 30 MPH TYPE IV REAR IMPACT, TJJ-77, 2.5L ITEM TJ5472
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 12/23/95

BUILD CONDITION 1997 TJ PVP PILOT WITH 2.5 L. ENGINE & MANUAL TRAN
4X4 TRANSFER CASE.
POWER STEERING, POWER BRAKES.
TJ TILT STEERING COLUMN, D06,
TJ STEERING WHEEL, B06
INTERMEDIATE SHAFT - 2 PIECE WITH CENTER BEARING.
19.0 GALLON FUEL TANK W. MOD FILL AND VENT NIPPLES
TWO PLASTIC KAMPS MOUNTED TO THE FUEL TANK STRAPS.
MODIFICATIONS MADE TO REAR CHASSIS CROSSMEMBER TO
REMOVE 10 MM MATERIAL FROM TOP EDGE.
PRODUCTION INTENT TOOLING PARTS.
REINFORCED STRIKER BRACKET ON REAR LEFT WHEELHOUSE
PRODUCED WITH PRODUCTION TOOLS.
TRACK BAR BRACKET COVER OF PLASTIC.
TRACK BAR BRACKET PRODUCTION INTENT DESIGN.
PLASTIC WELTING WITH STEEL REINFORCEMENT.
NO THIRD BODY CROSSMEMBER CUTOUT.
NO FUEL REGULATOR SHIELD.
REAR SPARE TIRE 215/75R15 W/STEEL RIMS.
ADDITIONAL PUDDIE WELD IN REAR DECK LEFT CORNER.

TARGET WEIGHT (LBS) 3533 TOTAL, 1756 FRONT, 1775 REAR, REP MAX OPT WT.
DOES NOT INCLUDE OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 18.3 GALLONS STODDARD SOLVENT.
200 LBS BALLAST IN REAR FOOTWELLS.
200 LBS OF BALLAST SECURED TO FRONT BUMPER. 50 LBS
OF BALLAST SECURED TO LF FLOORPAN. 50 LBS OF
BALLAST SECURED TO RF FLOORPAN. 140 LBS OF BALLAST
SECURED TO ENGINE (TO SIMULATE 4.0 L ENGINE).

POST TEST REMARKS NO FUEL LEAKS AT IMPACT. NO FUEL LEAKS DURING
STATIC ROLL. FUEL SYSTEM INTEGRITY WAS MAINTAINED.

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 03

VC05769 30 MPH TYPE IV REAR IMPACT, TJJ-77, 2.5L ITEM TJ5472
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 12/23/95

DISTRIBUTION:	D.J. MCKENZIE	422-05-01 (AB)
	J.B. ESTES	422-05-01 (AB)

DATE 12/23/95

TIME 11.12.33.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

ITEM TJ5472 CHARGE NO. DISCOVERY ISSUE DATE 12/20/95

VC-5769 30 MPH TYPE IV REAR IMPACT, TJJ-77, 2.5L.
1997 FMYSS 301, FUEL SYSTEM INTEGRITY.

TEST DATE 12/23/95 ENGINEER Collings
SPEED 30.1 MPH SOURCE TJA

TEST PURPOSE PRIMARY, 1997 USA 301 VALIDATION.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.1 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; J
BODY; 77
ENGINE; 2.5 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 5 SPEED MANUAL 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4FY29P6VP [REDACTED] MOD.
VIN AS BUILT; 1J4FY29P6VP [REDACTED] MOD.

BUILD CONDITION 1997 TJ PVP PILOT WITH 2.5 L. ENGINE & MANUAL TRAN
4X4 TRANSFER CASE.
POWER STEERING, POWER BRAKES.
TJ TILT STEERING COLUMN, D06.
TJ STEERING WHEEL, B06
INTERMEDIATE SHAFT - 2 PIECE WITH CENTER BEARING.
19.0 GALLON FUEL TANK W. MOD FILL AND VENT NIPPLES
TWO PLASTIC RAMPS MOUNTED TO THE FUEL TANK STRAPS.
MODIFICATIONS MADE TO REAR CHASSIS CROSSMEMBER TO
REMOVE 10 MM MATERIAL FROM TOP EDGE.
PRODUCTION INTENT TOOLING PARTS.
REINFORCED STRIKER BRACKET ON REAR LEFT WHEELHOUSE
PRODUCED WITH PRODUCTION TOOLS.
TRACK BAR BRACKET COVER OF PLASTIC.
TRACK BAR BRACKET PRODUCTION INTENT DESIGN.
PLASTIC WELTING WITH STEEL REINFORCEMENT.
NO THIRD BODY CROSSMEMBER CUTOUT.
NO FUEL REGULATOR SHIELD.
REAR SPARE TIRE 215/75R15 W/STEEL RIMS.
ADDITIONAL PUDDLE WELD IN REAR DECK LEFT CORNER.

POST TEST REMARKS _____

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

TARGET WEIGHT (LBS) 3533 TOTAL, 1758 FRONT, 1775 REAR, REP MAX OPT WT.
DOES NOT INCLUDE OCCUPANTS OR LUGGAGE BALLAST.

TEST WEIGHT (LBS) 4068 TOTAL, 1996* FRONT, 2012* REAR *#651*

FUEL BALLAST 18.3 GALLONS STODDARD SOLVENT.
NO STODDARD ADDED AT JTE; TANK EMPTY WHEN SHIPPED.

LUGGAGE BALLAST 200 LBS BALLAST IN REAR FOOTWELLS.
PLACE NO BALLAST ON REAR WHEELHOUSE SHEET METAL.

OTHER BALLAST 200 lbs of ballast secured to front engine
50 lbs of ballast secured to front engine
50 lbs of ballast secured to front engine
50 lbs of ballast secured to front engine

OCCUPANTS 140 LBS of ballast secured to each side of the 4.0L
LEFT FRONT, HYB II, UNINSTRUMENTED. AD NO 52
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED. AD NO 60
RESTRAINT-UNIBELT ONLY.

MECHANICAL REQ TARGET VEHICLE PER JRD SHEET NO. 116.
MEASURE VEHICLE ATTITUDE PRE & POST BUILD-UP,
ADJUST ACCORDINGLY.
REMOVE HARD TOP AND STORE IN BONEYARD.
REMOVE REAR SEAT AND DISCARD. LEAVE BRACKETS IN.
PRESSURE CHECK FUEL SYSTEM PRE AND POST TEST
WITH FUEL PUMP RUNNING.
ATTACH 140 LBS OF BALLAST TO THE ENGINE TO
COMPENSATE FOR WT. DIFF. BETWEEN 2.5L & 4.0L.
FUEL PUMP TO BE RUNNING PRE TEST AND DURING TEST.
PAINT REAR STRUCTURE FOR PIT VIEWING.
ROLL OVER POST TEST.
PAINT FUEL TANK FOR PIT AND SIDE VIEWING.

INSTRUMENTATION REQ HYB II BALLAST DUMMIES.

PHOTOGRAPHIC REQ 1-RIGHT SIDE OVERALL CAMERA.
1-LEFT SIDE OVERALL CAMERA.
1-PIT CAMERA FOR FULL UNDER BODY VIEW.
1-PIT CAMERA FOR FUEL TANK/SKID PLATE TO AXLE C/U.
1-PIT CAMERA FOR CLOSE UP OF TRACK BAR BRACKET.
1-CATWALK CAMERA FOR OVERALL VIEW OF VEHICLE.
1-VIDEO CAMERA FOR LEFT SIDE OVERALL.
1-VELOCITY CAMERA
1-PANNING CAMERA
PRE AND POST PHOTOS OF VEHICLE OVERALL & UNDERBODY
IN COLOR ON 8 X 10 PRINTS

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

FILM ANALYSIS

VEHICLE VELOCITY - ONLY IF REQUESTED.
DYNAMIC CRUSH.

REMARKS

TEST REQUEST ORIGINATOR J.B. ESTES (733-2519)
MAKE (1) FILM COPY AND (1) VHS COPY AND SEND TO:
J.B. ESTES AT CIMS 514-15-58

RETURN VEHICLE TO JTE POST TEST, ATTN PAM MORTON.

T. E. REPORT

FUEL SYSTEM REPORT REQUIRED.

REPORT CODES

A - TRANSDUCER DATA	B - ALL FILM DATA
C - HIGH SPEED FILM	D - ENGINEER'S REPORT
E - DUMMY KINEMATICS	F - STEERING COLUMN
G - UNDERBODY	H - A-POST
I - DYNAMIC CRUSH	J - ENGINE COMPARTMENT
K - DOOR CRUSH	L - FORCE/CRUSH/ENERGY
M - SPECIAL	N - CATALOG EDP DATA
* - REPORT REQUESTOR	

DISTRIBUTION

D.J. MCKENZIE	422-05-01 (AB)
J.B. ESTES	422-05-01 (AB)

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

*****CHANGED 12/22/95 AT 09.38.40. SUPPLEMENT NO. 01

BUILD CONDITION

ADD PLASTIC WELTING WITH STEEL REINFORCEMENT.

MECHANICAL REQ

ADD ATTACH 140 LBS OF BALLAST TO THE ENGINE TO
ADD COMPENSATE FOR WT. DIFF. BETWEEN 2.5L & 4.0L.

X, Y, Z DIMENSIONS

TEST NUMBER VC5769

TEST ENGINEER MARTIN/COLLINGS

ITFM NUMBER TJC432

V.I.N. ~~XXXX~~

TEST DATE 12/22/95

TEST TYPE: 30 MPH REAR TYPE IV MOVING BARRIER

LOC.	X	Y	Z	LOC.	X	Y	Z
LFS	65.9	⁴⁴ 13.1	-32.9	18.2			
LMS	89.7	⁴⁴ 13.1	-30.6	18.9			
LRA	117.6	⁴⁴ 2.7	-31.3	27.4			
LAP	61.4	⁴⁴ 13.0	-31.0	46.9*			
LOP	116.5	⁴⁴ 14.5	-29.5	35.7*			

TRAMMEL MEASUREMENTS:

LMS-LRS:

PRE 23.95

* The LAP & LOP Z dim are post test

16.3 GAL
S.S. ADDED
PLUS 500LBS
GRAIN

1000 SF
1000 SF
100 P.M. H. mfg.

TUBE COLOR *Blue*

FRONT SILL

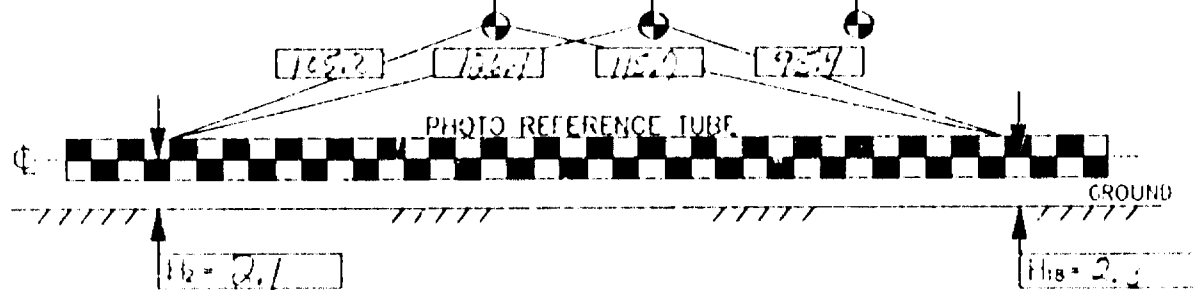
X= 65.9
Y= -30.7
Z= 18.2

REAR SILL

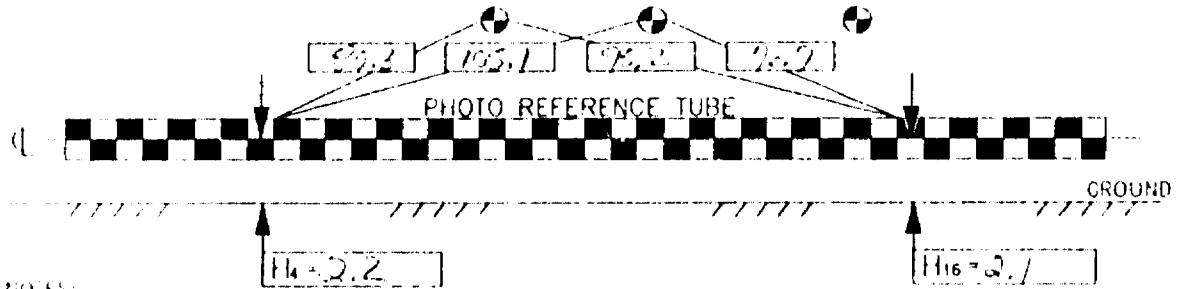
X= 84.7
Y= -30.6
Z= 18.2

REAR AXLE

X= 114.6
Y= -31.3
Z= 18.2



FORWARD ←



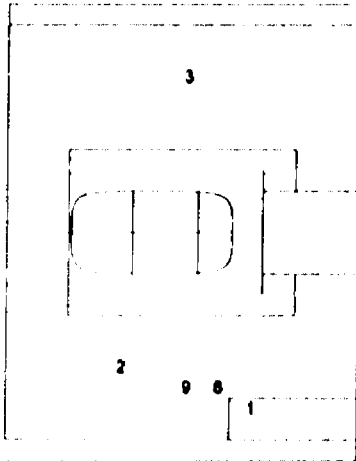
NOTES:

1. THE Z DIMENSION FOR THE SILL TARGETS AND REAR AXLE MUST BE RETAKEN AT THE TEST SITE
2. IF OTHER TUBE POINTS ARE USED, SO INDICATE

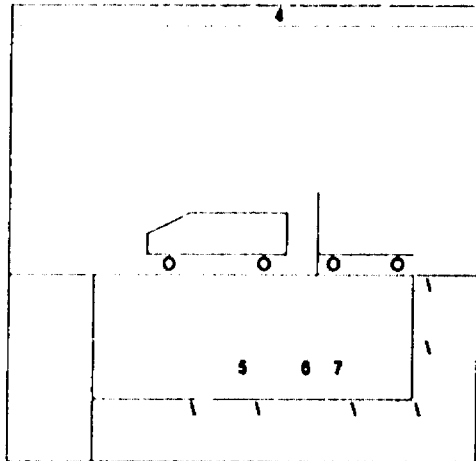
FOR REAR IMPACT TESTS - DIMENSIONING
 BETWEEN SILL TARGETS AND PHOTO REFERENCE TUBE
 TEST ENGR *Collins*
 VC 5769

TURBIDE ORN. MASTER, E. S. F. 0005, REVISED 06-11-93

PLAN VIEW



SIDE VIEW



TEST NUMBER:	VC5768	VEHICLE TYPE:	TJ
TEST TYPE:	30 MPH REAR TYPE IV IMPACT	TEST ENGINEER:	MARTIN
REQUEST DATE:	12/22/95		

#	VIEW DESCRIPTION	CAM SN	LENS FL	LENS SN	LENS MFG.	F-STOP	PRG.	EXT.	COL.	CAM MFG.
1	A ANALYSIS									
2	PANNING									
2	A LEFT SIDE OVERALL DYNAMIC CRUSH	1974	25	106072						
3	RIGHT SIDE OVERALL	1975	25	106488						
4	CATWALK VIEW VEHICLE AT IMPACT	423	18	07133						
5	PIT - OVERALL	430	13	3						
6	PIT - FUEL TANK TO AXLE	431	25	63042						
7	PIT - CLOSE UP TRACK BAR BRKT	432	50	18540						
8	A VELOCITY	287	100	323107	WIA					
9	EKTAPRO LEFT SIDE OVERALL									

VC5768

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC5769, ITEM NUMBER TJ5472, TEST ENGINEER MARTIN

V.I.N. 1J4FY29P6VP [REDACTED] TEST DATE 12/23/75 ROLL DATE 12/23/75

TEST TYPE: 30 MPH REAR TYPE IV

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.3 GALLONS

TEST SPEED 30.1 MPH. TEST WEIGHT 4068 POUNDS.

POST TEST FUEL SYSTEM OBSERVATIONS No fuel leaks at impact.No fuel leaks during static roll.Fuel System Leaks by mis ma flangePOST IMPACT LEAKAGE(OZ); AT IMPACT 0
1ST 5 MIN. 0
NEXT 25 MIN. 0

POST TEST PRESSURE CHECK _____

ELECTRIC FUEL PUMP RUN _____

STATIC ROLL LEAKAGE WITH VEHICLE Left (side) SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME						TOTAL
0-90	1ST 5 MIN					0 **
2:06	POST 5 MIN					0 **
90-180	1ST 5 MIN					0 **
2:08	POST 5 MIN					0 **
180-270	1ST 5 MIN					0 **
2:02	POST 5 MIN					0 **
270-360	1ST 5 MIN					0 **
2:05	POST 5 MIN					0 **

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

LAST FORM MODIFICATION 5/27/93 - GAB

INTER COMPANY CORRESPONDENCE

DATE 01/09/96

TO
DISTRIBUTION

FROM
K. M. HRUT

DEPARTMENT
5320

PLANT/OFFICE
CTC

CIMS NUMBER
481-02-18

SUBJECT:
REAR DYNAMIC CRUSH ANALYSIS
VC05769 30 MPH TYPE IV REAR IMPACT, TJJ-77, 2.5L ITEM TJS472
1997 FMYSS 30L FUEL SYSTEM INTEGRITY.
TEST DATE 12/23/95

TEST PURPOSE PRIMARY, 1997 USA 30L VALIDATION.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED: 30.1 MPH
DAMAGE LOCATION: REAR
BARRIER TYPE: REAR TYPE IV
BARRIER SURFACE: PLYWOOD

VEHICLE BODY CLASS: TJ
CAR LINE: J
BODY: 77
ENGINE: 2.5 LITRE
ENGINE NOTE: ELECTRONIC FUEL INJECTION
TRANSMISSION: 5 SPEED MANUAL 4x4
TRANS. NOTE:
VIN AS TESTED: 1J4FY29P6VP [REDACTED] MOD.
VIN AS BUILT: 1J4FY29P6VP [REDACTED] MOD.

TEST SPEED 30.1 MPH BY ELECTRONIC TRAP.

TEST WEIGHT (LBS) 4068 TOTAL, 1976 FRONT, 2092 REAR

OCCUPANTS LEFT FRONT, HYB II, UNINSTRUMENTED, PD-52
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED, PD-67
RESTRAINT-UNIBELT ONLY.

BUILD CONDITION 1997 TJ PVP PILOT WITH 2.5 L. ENGINE & MANUAL TRAN
4X4 TRANSFER CASE.
POWER STEERING, POWER BRAKES,
TJ TILT STEERING COLUMN, DOG,
TJ STEERING WHEEL, BOB
INTERMEDIATE SHAFT - 2 PIECE WITH CENTER BEARING,
19.0 GALLON FUEL TANK W. MOD FILL AND VENT NIPPLES
TWO PLASTIC RAMPS MOUNTED TO THE FUEL TANK STRAPS.
MODIFICATIONS MADE TO REAR CHASSIS CROSSMEMBER TO
REMOVE 10 MM MATERIAL FROM TOP EDGE.
PRODUCTION INTENT TOOLING PARTS.
REINFORCED STRIKER BRACKET ON REAR LEFT WHEELHOUSE
PRODUCED WITH PRODUCTION TOOL'S.
TRACK BAR BRACKET COVER OF PLSTIC.

TRACK BAR BRACKET PRODUCTION INTENT DESIGN.
PLASTIC WELDING WITH STEEL REINFORCEMENT.
NO THIRD BODY CROSSMEMBER CUTOUT.
NO FUEL REGULATOR SHIELD.
REAR SPARE TIRE 215/75R15 W/STEEL RIMS.
ADDITIONAL PUDDLE WELD IN REAR DECK LEFT CORNER.

TARGET WEIGHT (LBS) 3533 TOTAL, 1758 FRONT, 1775 REAR, REP MAX OPT WT.
DOES NOT INCLUDE OCCUPANTS OR LUGGAGE BALLAST.

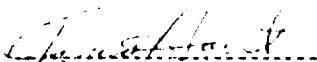
FUEL AND BALLAST 18.3 GALLONS STODDARD SOLVENT.
200 LBS BALLAST IN REAR FOOTWELLS.
200 LBS OF BALLAST SECURED TO FRONT BUMPER, 50 LBS
OF BALLAST SECURED TO LF FLOORPAN, 50 LBS OF
BALLAST SECURED TO RF FLOORPAN, 140 LBS OF BALLAST
SECURED TO ENGINE (TO SIMULATE 4.0 L ENGINE).

POST TEST REMARKS NO FUEL LEAKS AT IMPACT, NO FUEL LEAKS DURING
STATIC ROLL, FUEL SYSTEM INTEGRITY WAS MAINTAINED.

DYNAMIC CRUSH, PITCH, AND REAR WHEEL MOTION RELATIVE TO THE MID
SILL HAVE BEEN DETERMINED BY FILM ANALYSIS. TIME WAS BASED ON
CAMERA TIMING DATA.

DYNAMIC CRUSH 14.3 +OR- 1 INCH AT 53. +OR- 5 MSEC.


C. M. ANDERSON


K. M. MAUT

GRAPHS - 4

G L O S S A R Y O F T E R M S
U S E D I N S T A N D A R D R E P O R T S

AD	ANTHROPOMORPHIC DEVICE
ADT	ANTHROPOMORPHIC TEST DEVICE
BASE COORD	BASE COORDINATE SYSTEM
C/L	CENTRAL LINE
CAR COORD	CAR COORDINATE SYSTEM
CCW	COUNTER CLOCKWISE
CORR-IN	SEPARATION IN INCHES (MINUS INITIAL LENGTH)
CORR-MM	SEPARATION IN MM (MINUS INITIAL LENGTH)
CORR-P	CORRECTED (ZEROED) PITCH
CORR-R	CORRECTED (ZEROED) ROLL
CORR-Y	CORRECTED (ZEROED) YAW
CW	CLOCKWISE
EFI	ELECTRONIC FUEL INJECTOR
END	ENGINE
ENGPY	ENGINE PITCH AND YAW
FESA	FRONT END SHEET METAL
FIDUCIAL	REFERENCE POINT ON TARGET
FS	FRONT BILL TARGET
FWD	FORWARD
IP	INSTRUMENT PANEL TARGET
LBS	POUNDS
LCP,LOP	LEFT C-POST & QUARTER PANEL TARGETS
LFS,LMS,LRS	LEFT FRONT SILL, MID SILL, & REAR SILL TARGETS
LT	LEFT
MS	MID SILL TARGET
NORMALIZE	PUT ON A COMMON BASIS
NOSE-DOWN	LEADING END BELOW TRAILING
NOSE-UP	LEADING END ABOVE TRAILING
PERF	PERFORMANCE
REF	REFERENCE
REL	RELATIVE TO (ONE-DIMENSIONAL)
ACP,ROP	RIGHT C-POST & QUARTER PANEL TARGETS
RFS,RMS,RRS	RIGHT FRONT, MID, & REAR SILL TARGETS
ROLL-LEFT	LEFT SIDE LOWER THAN RIGHT
ROLL-RIGHT	RIGHT SIDE LOWER THAN LEFT
RS	REAR SILL TARGET
RT	RIGHT
SEP	SEPARATION OF (THREE-DIMENSIONAL)
SYS	SYSTEM
TBI	THRITTLE BODY INJECTION
TIME-MS	TIME IN MILLISECONDS
U/B	UNDERBODY
VS	VERSUS
X	LONGITUDINAL AXIS (INCREASING TOWARD TRAILING EDGE)
XF	X-FILTERED
Y	LATERAL AXIS (INCREASING TO THE RIGHT)
YAW-LEFT	LEADING EDGE TO LEFT
YAW-RIGHT	LEADING EDGE TO RIGHT
Z	VERTICAL AXIS (INCREASING UPWARD)
ZERDED	SHIFTED TO START AT ZERO
ZERD-IN	ZERDED INCHES
ZERD-MM	ZERDED MILLIMETERS

IMPACT ANALYSIS
DEPARTMENT 5320
01/09/96 15.28
TEST VC05769

VCOS769 30 MPH TYPE IV REAR IMPACT, TJJ-77, 2.5L I1EM TJS472
1997 FVSS 301, FUEL SYSTEM INTEGRITY.

ZEREO X MOTION OF F3 REL TO LMS IN BASE COORD SYS
VERSUS TIME IN MILLISECONDS

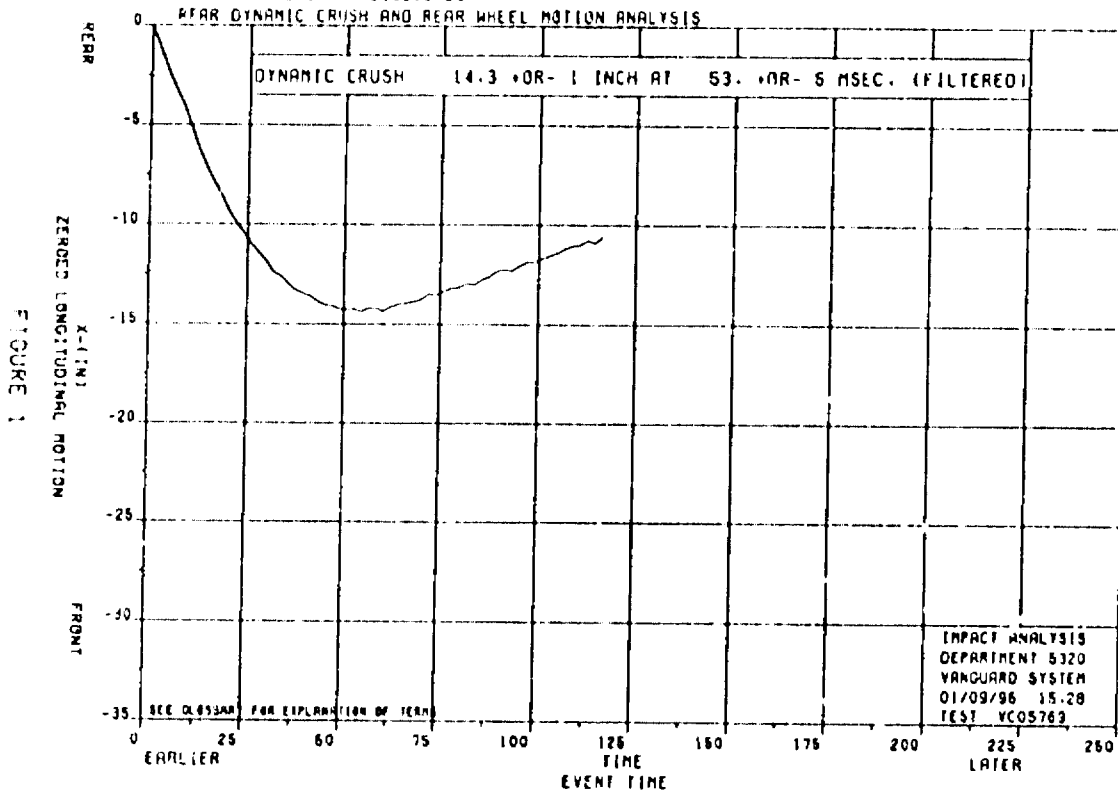


FIGURE 1

VC05769 30 MPH TYPE IV REAR IMPACT, TJJ-77, 2.6L ITEM TJS472
1997 FV55 301, FUEL SYSTEM INTEGRITY.

ZEREO Z OF WHEEL RELATIVE TO LMS IN CAR COORD
VERSUS ZEROED X OF WHEEL RELATIVE TO LMS IN CAR COORD

REAR DYNAMIC CRUSH AND REAR WHEEL MOTION ANALYSIS

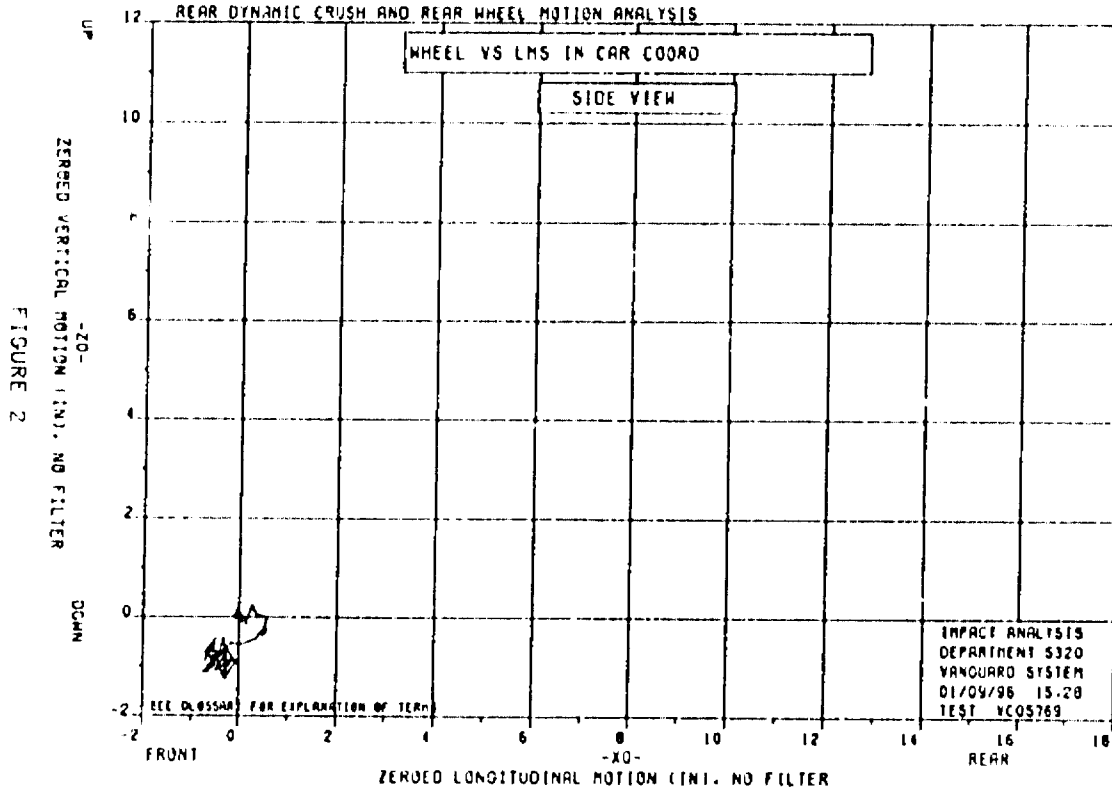


FIGURE 2

VC05769 30 MPH TYPE IV REAR IMPACT. TJJ-77. 2.5L ITEM TJS472
 1997 FMY55 301. FUEL SYSTEM INTEGRITY.

LEADED PITCH OF LRS TO LMS IN BASE COORD SYSTEM
 VERSUS TIME IN MILLISECOND

REAR DYNAMIC CRUSH AND REAR WHEEL MOTION ANALYSIS

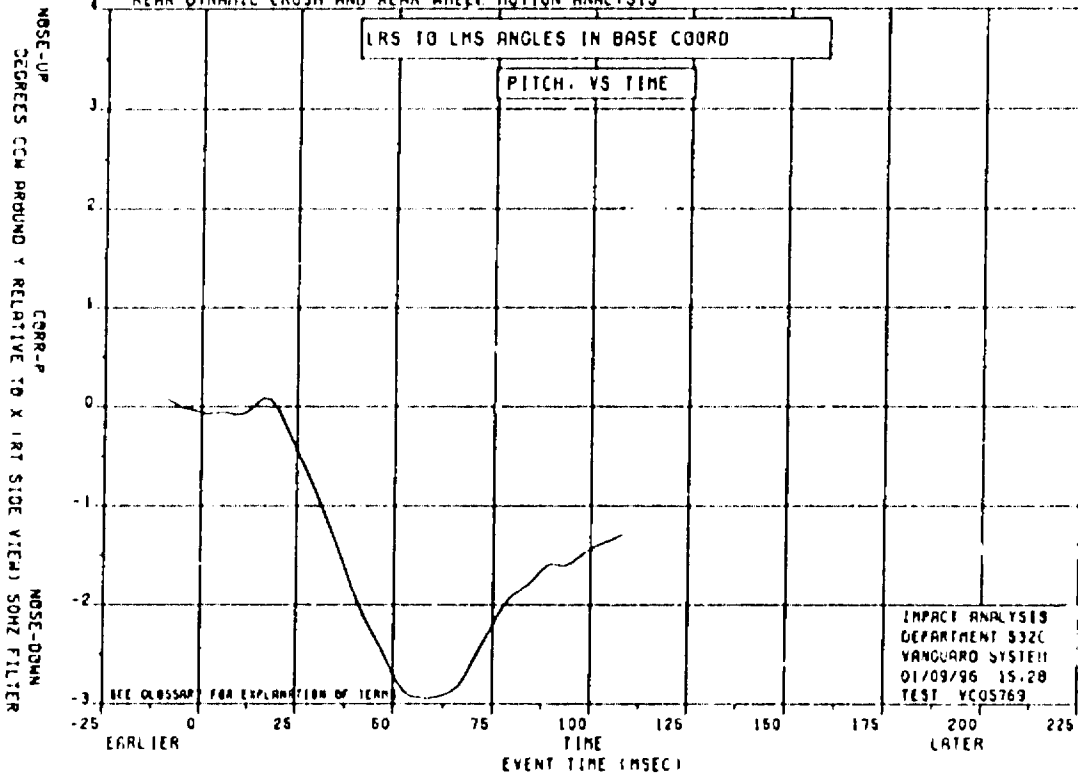


FIGURE 3

VC05769 30 MPH TYPE IV REAR IMPACT. IJJ-77. 2.5L ITEM IJ5472
1997 FNVSS 301. FUEL SYSTEM INTEGRITY.

LRS TO LMS DISTANCE -23.95 INCHES (INITIAL DIST) (IN)
VERSUS TIME IN MILLISECONDS

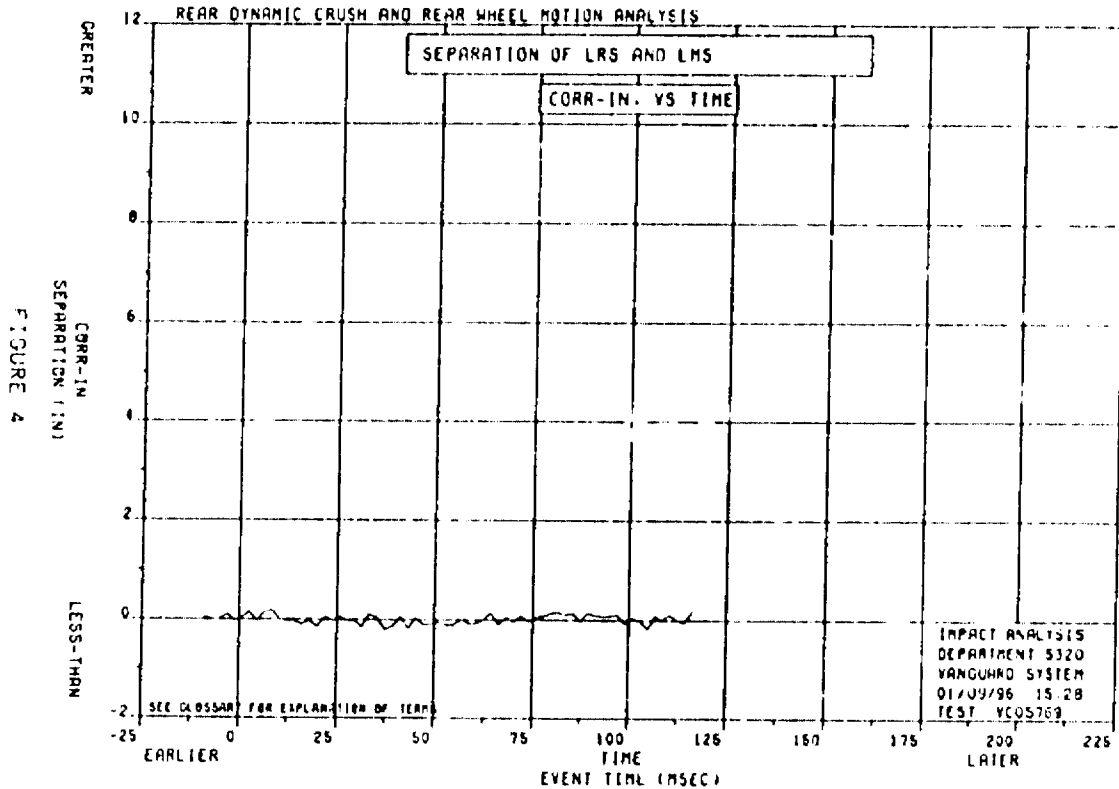
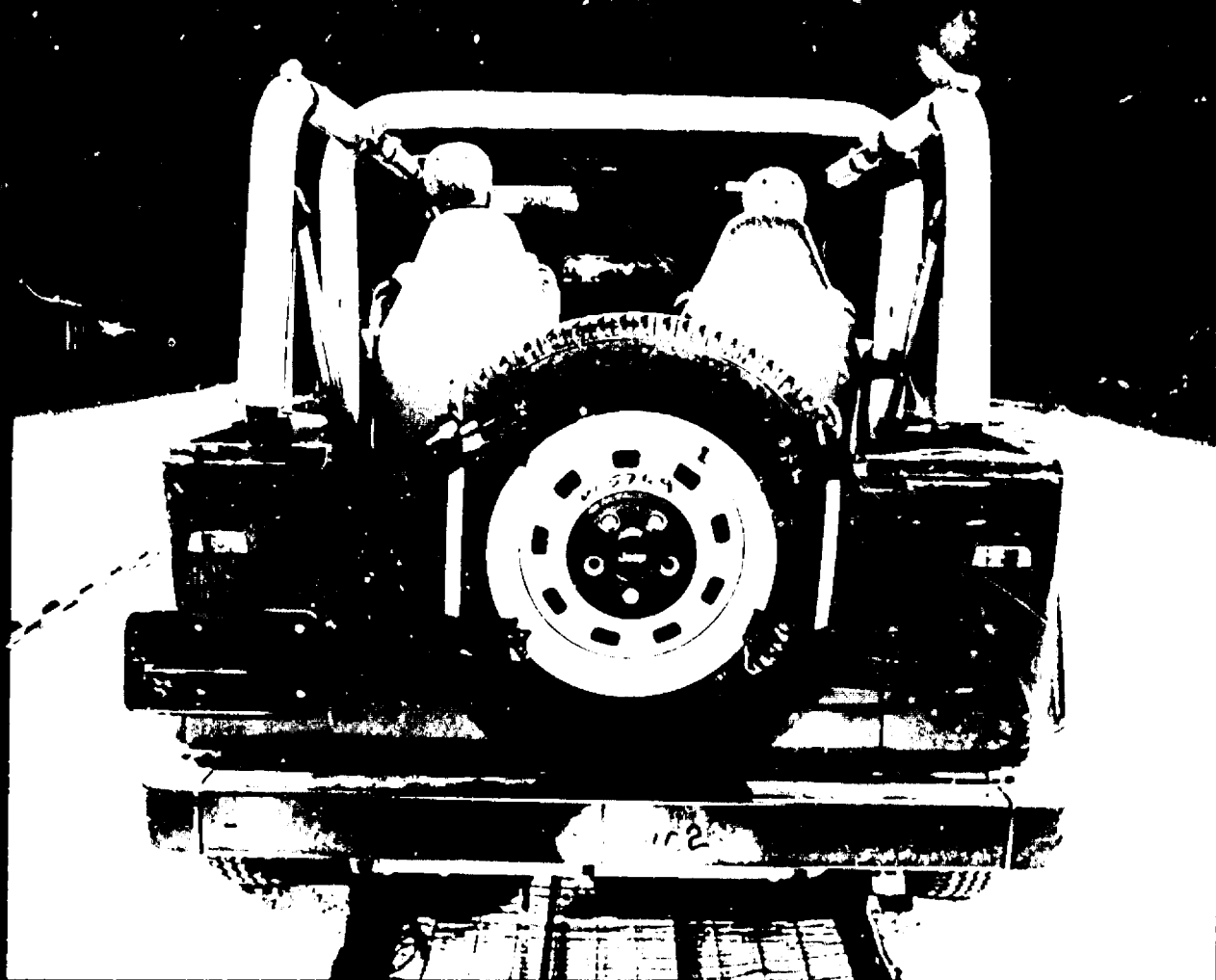
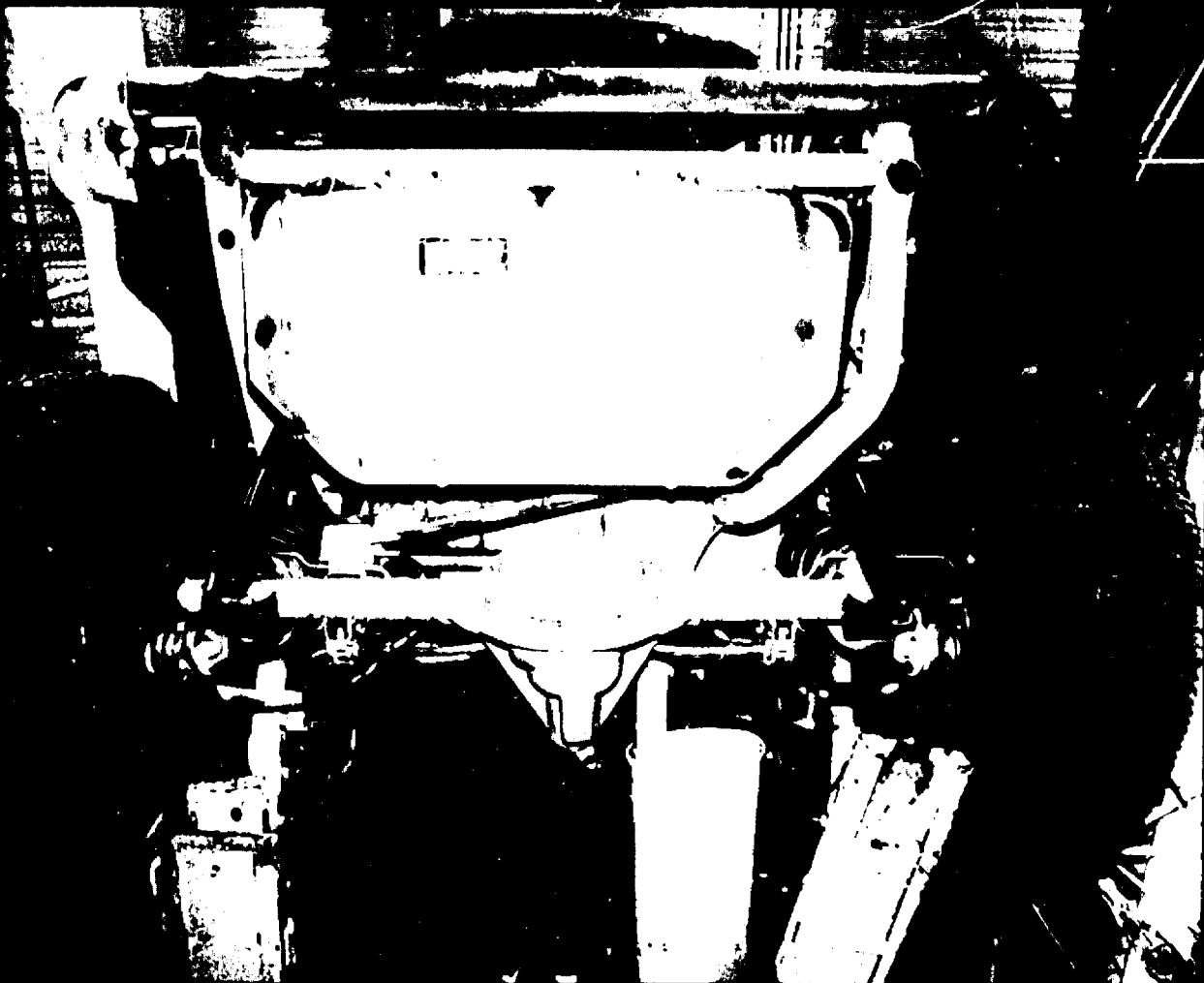


FIGURE 4





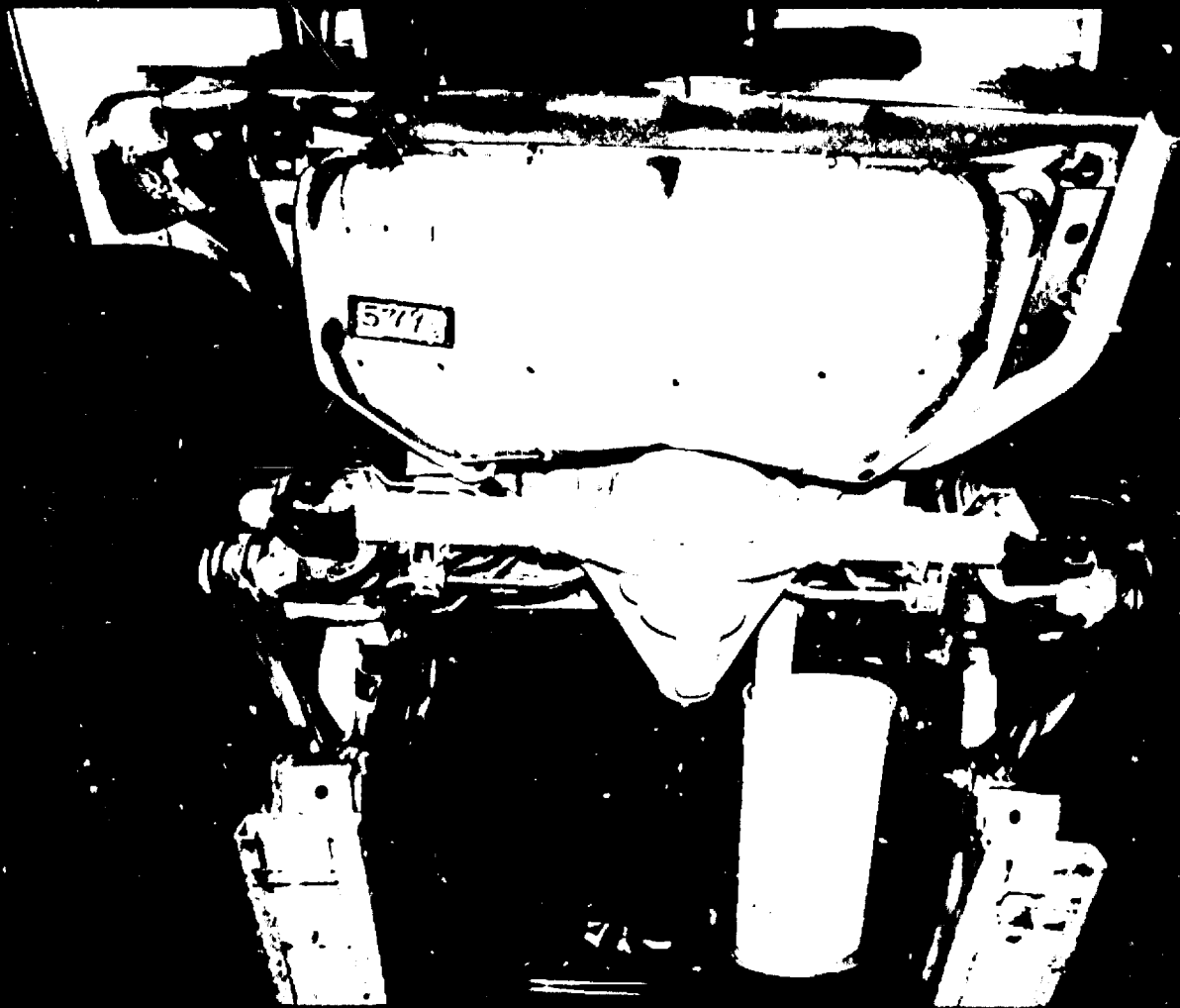


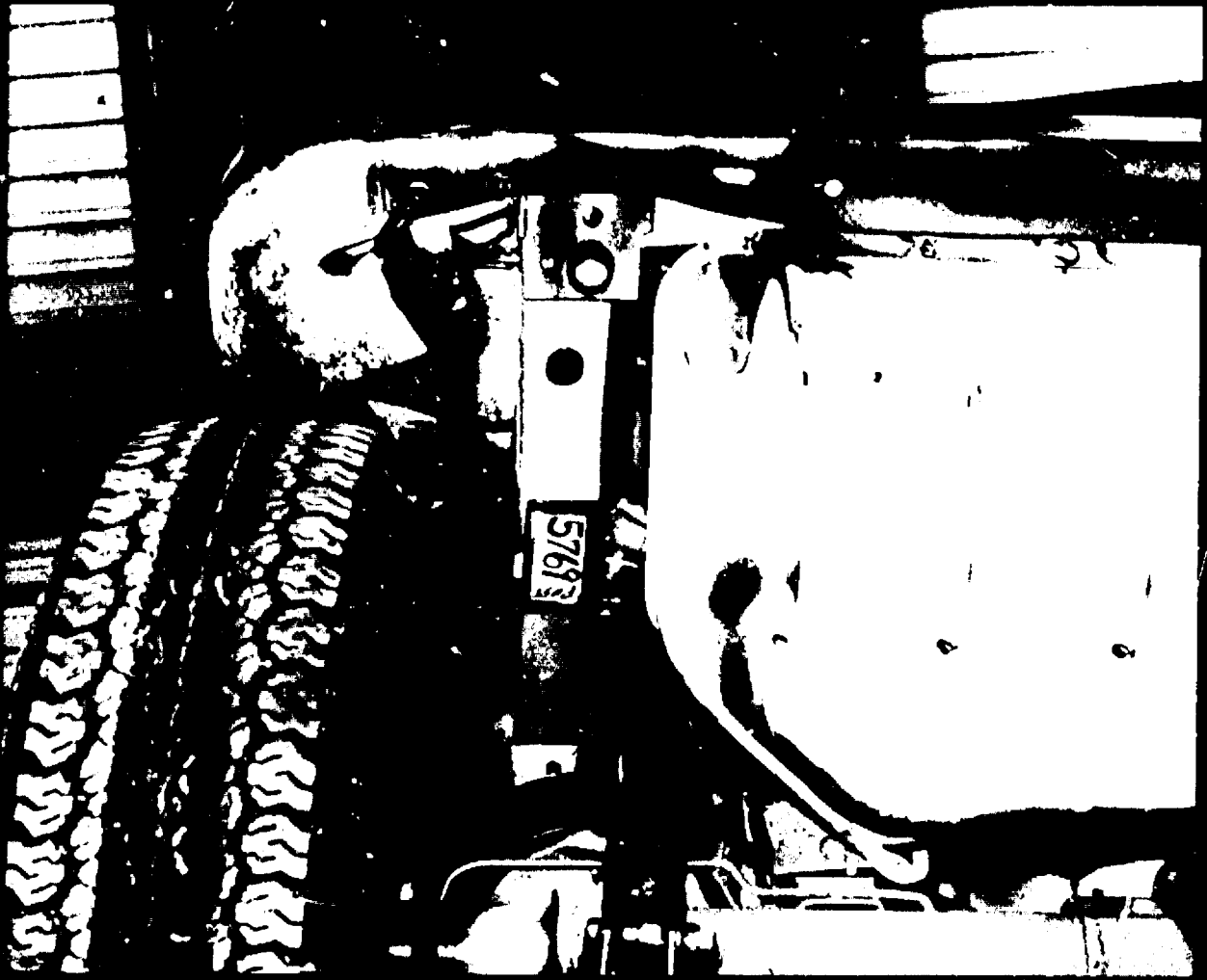


















EA12-005

CHRYSLER

2-18-2013

Enclosure 6

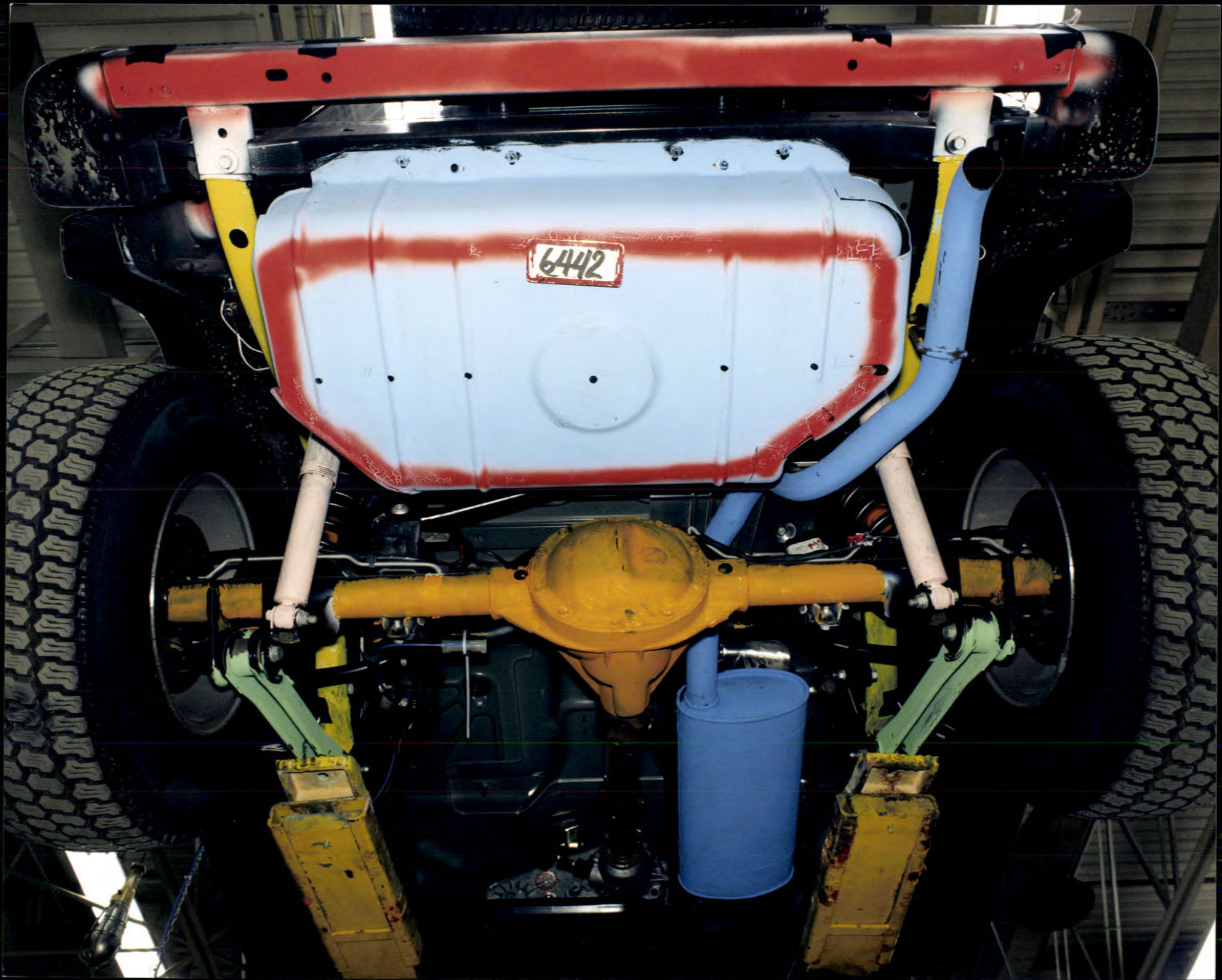
301 Compliance Crash Test

1997 - 2006 Wrangler (TJ)

Compliance

VC06442





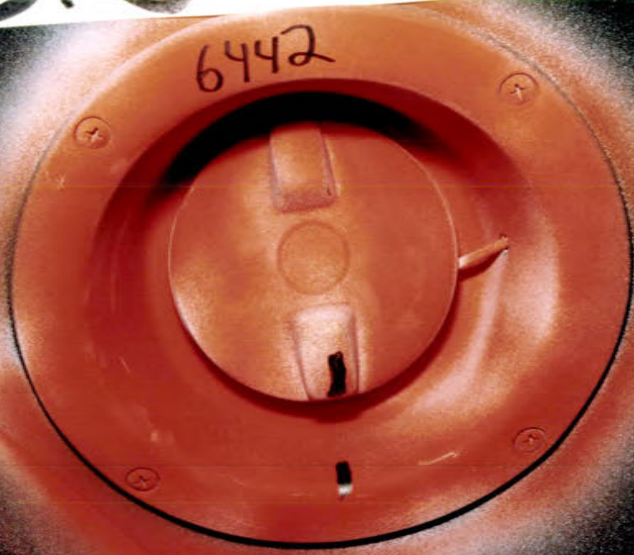
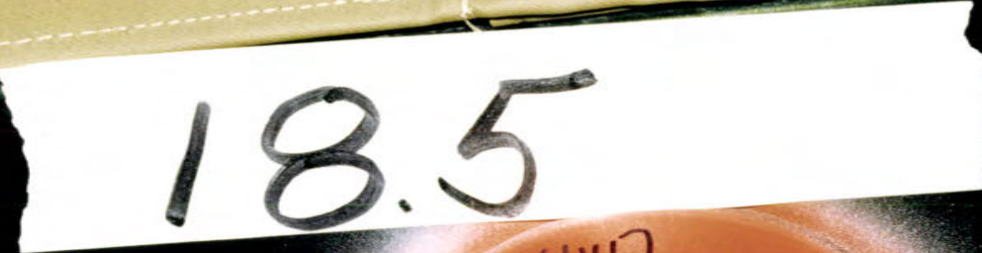
Jeep





18.5

6442

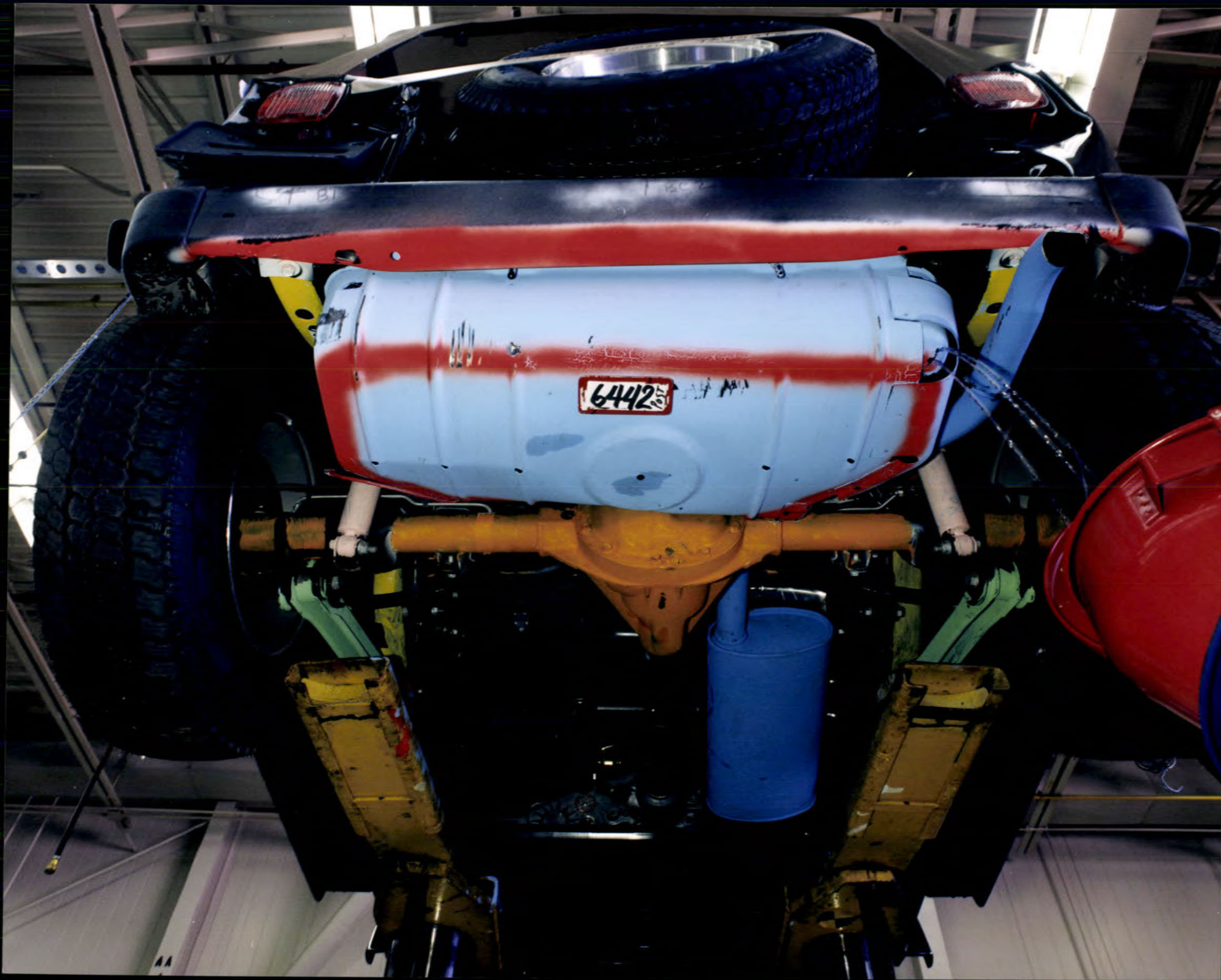




52100220025
ASSY IN
EVERETT WA
1971

6442









18.5

6442 POST

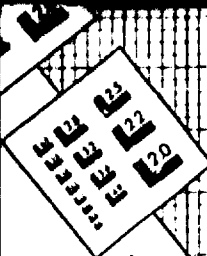
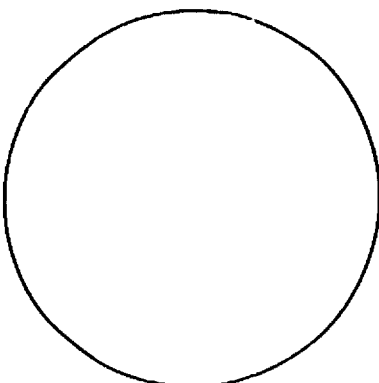
RA











POINT SIZE

4
6
8
10
12
14

2xby Gmn0c
Y3o3o E1f9g
7n34a K2b8t
D6fmh 9s9d
Wcuzl L1cdg
6Y3sl Okjdg

FUTURA

NEWS GOTHIC

14
12
10
8
6
4

K2b8t Okjdg
4ef8k Gmn0c
Zlo6x Ge92
7n34a 6Y3sl
Y0r8j A7o7q
Oelvf 2xby
9s9d L1cdg
33q7n F1f9g

POINT SIZE

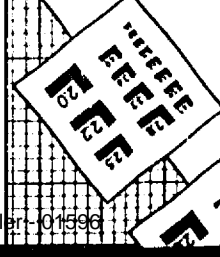
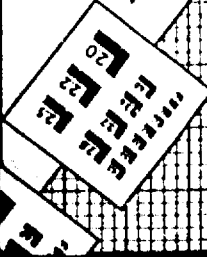
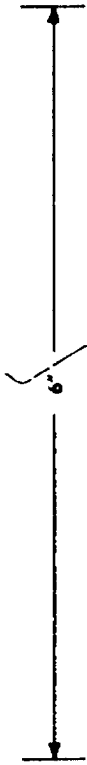
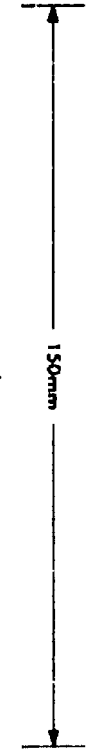
1.0	EEEEEE	2.5
1.1	EEEEEE	2.2
1.25	EEEEEE	2.0
1.4	EEEEEE	1.8
1.6	EEEEEE	1.6

4
6
8
10

126FRM EB7AU FUDWM BOOMF
Oz7h9 B5e1P Wobnk 8tizx 14C9E83 B18AJ Z7QYI OKJDQ

SERIF (BASKERVILLE) SIZE SANS SERIF (MICROFONT)

POINT SIZE SANS SERIF (MICROFONT)



Retrieval Methods Inc.
1142 E. Big Beaver Rd.
Troy, MI 48083

Declaration of Intent and Purpose

I Christine Charboneau

Employed by Retrieval Methods Inc., do hereby declare that the records microfiched herein are actual records of DaimlerChrysler Corp. created during its normal course of business and that it is the express intent and purpose of this organization to return all original records microphotographed herein.

Date: 7/6/00

Microfiche Operator Christine Charboneau

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VCC6442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1998 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 05/21/97

TEST PURPOSE PRIMARY, 1998 USA 301 COMPLIANCE.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.1 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; J
BODY; 77
ENGINE; 4.0 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 3 SPEED AUTO 4x4
TRNS. NOTE;
VIN AS TESTED; 1J4FY49S1WE [REDACTED] MOD.
VIN AS BUILT; 1J4FY49S1WE [REDACTED] MOD.

TEST SPEED 30.2 MPH BY ELECTRONIC TRAP.

TEST WEIGHT (LBS) 4211 TOTAL, 2176 FRONT, 2035 REAR

OCCUPANTS LEFT FRONT, HYB II, UNINSTRUMENTED. AD-63
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED. AD-65
RESTRAINT-UNIBELT ONLY.

BUILD CONDITION 1998 TJ WRANGLER C1 PILOT VEHICLE.
TESTED AS BUILT WITHOUT MODIFICATIONS.
AUTOMATIC TRANS, 4.0L ENGINE, 'SAHARA' PACKAGE.
19.0 GALLON FUEL TANK.
FULL REAR BUMPER.
FULL SIZE SPAPE, 15X10, ON AL. RIMS.

TARGET WEIGHT (LBS) 3665 TOTAL, 1779 FRONT, 1886 REAR, REP MAX OPT WT.
DOES NOT INCLUDE OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 18.5 GALLONS OF STANDARD SOLVENT.
200 LBS OF LUGGAGE BALLAST IN REAR FOOTWELLS.
100 LBS OF BALLAST SECURED TO LF FLOORPAN.

POST TEST REMARKS LEFT SILL IS DISTORTED.

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-17, 4.0L ITEM TJ5642
1998 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 05/21/97

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

DISTRIBUTION

M.T. STEBLETON	422-07 01 (AB)
J.B. ESTES	514-17 01 (AB)

DATE 05/22/97

TIME 11.16.29.

**THE FOLLOWING DOCUMENT(S)
IS MICROFILMED IN AS IS
CONDITION.**

Camera Operator:

Christine Chabrean

Date:

7/6/00

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

ITEM TJ5642 CHARGE NO. BUDDYBELL ISSUE DATE 05/12/97

VC 611 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L.
1998 FMVSS 301, FUEL SYSTEM INTEGRITY

TEST DATE

05/21/97

ENGINEER

Collings

SPEED 30.2 MPH

SOURCE

TRAP

TEST PURPOSE

PRIMARY, 1998 USA 301 COMPLIANCE.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE

TARGET SPEED: 30.1 MPH
DAMAGE LOCATION: REAR
BARRIER TYPE: REAR TYPE IV
BARRIER SURFACE: PLYWOOD

VEHICLE

BODY CLASS: TJ
CAR LINE: J
BODY: 77
ENGINE: 4.0 LITRE
ENGINE NOTE: ELECTRONIC FUEL INJECTION
TRANSMISSION: 3 SPEED AUTO 4x4
TRANS. N.O.N.
VIN AS TESTED: 1J4FY49S1W [REDACTED] MOD.
VIN AS BUILT: 1J4FY49S1W [REDACTED] MOD.

BUILD CONDITION

1998 TJ WRANGLER C1 PILOT VEHICLE.
TESTED AS BUILT WITHOUT MODIFICATIONS.
AUTOMATIC TRANS, 4.0L ENGINE, "SABARA" PACKAGE.
19.0 GALLON FUEL TANK.
FULL REAR BUMPER.
FULL SIZE SPARE, 15X10, ON AL. RIMS.

TARGET WEIGHT (LBS)

3665 TOTAL, 1779 FRONT, 1886 REAR, REP MAX OPT WT.
DOES NOT INCLUDE OCCUPANTS OR LUGGAGE BALLAST.

TEST WEIGHT (LBS)

4211 TOTAL, 2196 FRONT, 2035 REAR

FUEL BALLAST

18.5 GALLONS OF STODDARD SOLVENT.

LUGGAGE BALLAST

200 LBS BALLAST IN REAR FOOTWELLS.
PLACE NO BALLAST ON REAR WHEELHOUSE SHEET METAL.

OTHER BALLAST

100# LR Plumpus, 100# RF Plumpus
100# LR Plumpus

POST TEST REMARKS

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

OCCUPANTS

LEFT FRONT, HYB II, UNINSTRUMENTED.
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED.
RESTRAINT-UNIBELT ONLY.

AD NO 63
AD NO 65

MECHANICAL REQ

TARGET VEHICLE AS PER 3RD SHEET ON VC6311.
MEASURE VEHICLE ATTITUDE PRE & POST BUILD-UP,
ADJUST ACCORDINGLY.
PRESSURE CHECK FUEL SYSTEM PRE TEST WITH PUMP RUN.
FUEL PUMP TO BE RUNNING PRE TEST AND DURING TEST.
PAINT REAR STRUCTURE FOR PIT VIEWING.
ROLL OVER POST TEST.
PRESSURE CHECK FUEL SYSTEM POST TEST.
PAINT FUEL FILLER NECK AND TURE CONTRASTING COLORS
PAINT FUEL TANK FOR PIT AND SIDE VIEWING.

INSTRUMENTATION REQ

SEE 3RD SHEET ON VC6311 FOR ACCELEROMETERS REQ'S.
HYB II BALLAST DUMMIES.
ADD CONTACT SWITCHES AT:
THE REAR BUMPER RIGHT AND LEFT.
THE REAR BODY SHEET METAL RIGHT AND LEFT.

PHOTOGRAPHIC REQ

1-RIGHT SIDE OVERALL CAMERA.
1-LEFT SIDE OVERALL CAMERA.
1-PIT CAMERA FOR FULL UNDER BODY VIEW.
1-PIT CAMERA FOR FUEL TANK/SKID PLATE TO AXLE C/U.
1-PIT CAMERA FOR VIEWING THE FILLER NECK & TUBE.
1-PIT CAMERA FOR CLOSE UP OF TRACK BAR BRACKET.
1-VIDEO CAMERA FOR LEFT SIDE OVERALL.
1-VELOCITY CAMERA
PRE AND POST PHOTOS OF VEHICLE OVERALL & UNDERBODY
IN COLOR ON 8 X 10 PRINTS

ALL CAMERAS TO HAVE DIGITAL TIMING IF POSSIBLE.

FILM ANALYSIS

VEHICLE VELOCITY - ONLY IF REQUESTED.
DYNAMIC CRUSH.

REMARKS

TEST REQUEST ORIGINATOR J.B. ESTES (733-2519)
MAKE (1) FILM COPY AND (1) VHS COPY AND SEND TO:
J.B. ESTES AT CIMG 514-17-41.

RETURN VEHICLE TO JTE POST TEST, ATTN PAM MORTON.

T.E. REPORT

FUEL SYSTEM REPORT REQUIRED.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

REPORT CODES

A	▪	TRANSDUCER DATA	B	▪	ALL FILM DATA
C	▪	HIGH SPEED FILM	D	▪	ENGINEER'S REPORT
E	▪	DUMMY KINEMATICS	F	▪	STEERING COLUMN
U	▪	UNDERBODY	H	▪	A-POST
I	▪	DYNAMIC CRUSH	J	▪	ENGINE COMPARTMENT
K	▪	DOOR CRUSH	L	▪	FORCE/CRUSH/ENERGY
M	▪	SPECIAL	N	▪	CATALOG EDP DATA
*	▪	REPORT REQUESTOR			

DISTRIBUTION

M.T. STEBLETON	422-05-01	(AB)
J.B. ESTES	514-17-41	(AB)

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

.....CHANGED 05/22/97 10.36 ESTES2 SUPPLEMENT 01

BUILD CONDITION

MODIFY FULL SIZE SPARE TIRE 16X30, ON AL. RIMS.
TO READ FULL SIZE SPARE, 15X30, ON AL. RIMS.

.....CHANGED 05/22/97 10.38 ESTES2 SUPPLEMENT 02

TITLE

MODIFY 1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TO READ 1998 FMVSS 301, FUEL SYSTEM INTEGRITY.

**THE FOLLOWING DOCUMENT(S)
IS MICROFILMED IN AS IS
CONDITION.**

Camera Operator: *Christine Chabrean*

Date: *7/6/00*

X, Y, Z DIMENSIONS

TEST NUMBER VC6442

TEST ENGINEER COLLINGS

ITEM NUMBER TJ5642 V.I.N. 1J4FY49S1W

TEST DATE 5/16/11

TEST TYPE: 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

LOCATION	X	Y	Z	LOCATION	X	Y	Z
BC1	0	0.0	XXXX	BC2	1480	0.0	XXXX
B1	1450	119	XXXX	B2	1490	115	XXXX
		44-				44-	
LFS	525	44- 315	19.0			44-	
LMS	1005	44- 311	19.4			44-	
LRA	1175	44- 226	14.0			44-	
REAR	1543	44- 1.2	XXXX			44-	
		44-				44-	

TRAMMEL DIMENSIONS:

LFS-LMS PRE 221 POST 23.90

Left sill is distorted.

M1 is rear-most edge of spare tire



FRONT SILL

X = 53.5
Y = -33.5
Z = 12.2

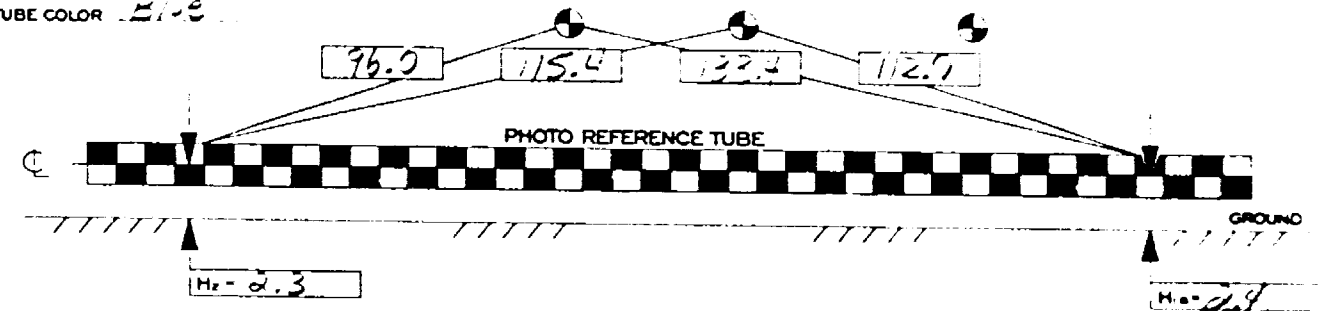
REAR SILL

X = 11.5
Y = -33.5
Z = 12.5

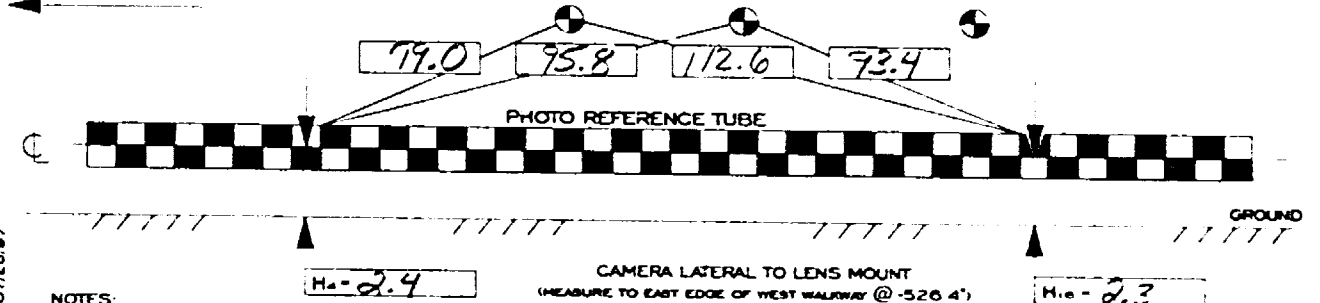
REAR AXLE

X = 11.8
Y = -33.5
Z = 12.2

TUBE COLOR *Blue*



FORWARD ←



CAMERA LATERAL TO LENS MOUNT
(MEASURE TO EAST EDGE OF WEST WALKWAY @ -526.4')

$+63.7$ INCHES

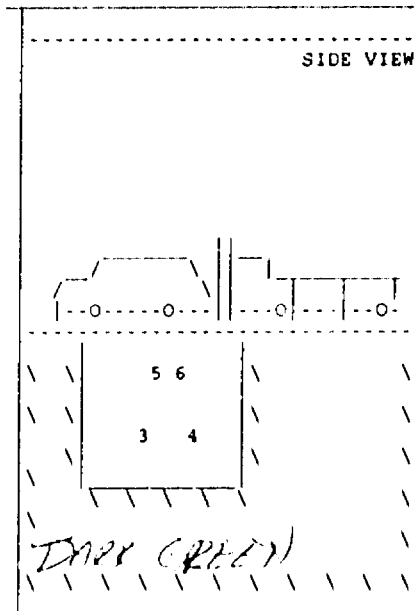
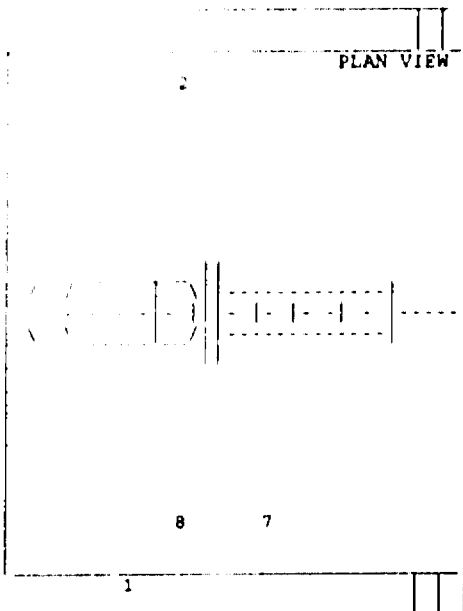
NOTES:

- 1 THE Z DIMENSION FOR THE SILL TARGETS AND REAR AXLE MUST BE RETAKEN AT THE TEST SITE
- 2 IF OTHER TUBE POINTS ARE USED, SO INDICATE

FOR REAR IMPACT TESTS - DIMENSIONING BETWEEN SILL TARGETS AND PHOTO REFERENCE TUBE

TEST ENGR *Collings*
VC *6442*

EA112-005 Peer - Chrysler - 01607
680210 SHAWING VA 363 BTU



TEST NUMBER VC6442 TEST TYPE: 30 MPH TYPE IV MOVING BARRIER REAR IMPACT
 TEST ENGINEER COLLINGS REQUEST DATE : 05/13/97 VEHICLE BODY CLASS : TJ

#	VIEW DESCRIPTION	CAM S/N	LENS F.L.	LENS S/N	LENS MFG.	F- STOP	PNL	SKT	CBL	CAM MFG.
1	A ANALYSIS	1878	25mm	106428	KIN	24				
2	T RIGHT OVERALL	1878	18mm	107230	VII	24				
3	T PIT OVERALL	282	13mm	7397	105	5.64				
4	T PIT-FUEL TANK TO AXLE	281	25mm		105	5.4				
5	T PIT-FILLER NECK & TUBE	422	25mm	753	WVW	4				
6	T PIT - CLOSE UP TRACK BAR BRACKET	428	50mm	17688	105	5.64				
7	A VELOCITY	286	10mm	123-27	WVW	24				
8	EKTAPRO-LEFT OVERALL		12mm	125-27	Z/A	24				

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VJ6442, ITEM NUMBER TJ5642, TEST ENGINEER COLLINGS
 V.I.N. 1J4FY49S1WP [REDACTED], TEST DATE 05/21/97, ROLL DATE 05/23/97

TEST TYPE: 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

FUEL: TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.5 GALLONS

TEST SPEED 30.2 MPH, TEST WEIGHT 4211 POUNDS.

POST IMPACT LEAKAGE(OZ); AT IMPACT 0

1ST 5 MIN. 0

NEXT 25 MIN. 0

POST TEST PRESSURE CHECK N/A

ELECTRIC FUEL PUMP RUN N/A

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE Left SIDE DOWN FIRST

		FUEL LEAKAGE LOCATIONS DURING STATIC ROLL				TOTAL
ROLL TIME						
0-90	1ST 5 MIN					0
<u>0:00</u>	POST 5 MIN					0
90-180	1ST 5 MIN					0
<u>0:08</u>	POST 5 MIN					0
180-270	1ST 5 MIN					0
<u>0:04</u>	POST 5 MIN					0
270-360	1ST 5 MIN					0
<u>0:09</u>	POST 5 MIN					0

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS No fuel leaks at impact or after impact.
No fuel leaks during static roll.

Fuel system integrity was maintained.

LAST FORM MODIFICATION 08/22/96 - GAB (TESTOBS896.DOCVCFORMS)

DATE 05/28/97
TIME 15.50.59.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC06442 ITEM TJ5642
006442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1998 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 05/21/97

TEST PURPOSE PRIMARY, 1998 USA 301 COMPLIANCE.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.1 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; J
BODY; 77
ENGINE; 4.0 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 3 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4FY49S1W[REDACTED] MOD.
VIN AS BUILT; 1J4FY49S1W[REDACTED] MOD.

TEST SPEED 30.2 MPH BY ELECTRONIC TRAP.

TEST WEIGHT (LBS) 4211 TOTAL, 2176 FRONT, 2035 REAR

OCCUPANTS LEFT FRONT, HYB II, UNINSTRUMENTED. AD-63
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED. AD-65
RESTRAINT-UNIBELT ONLY.

BUILD CONDITION 1998 TJ WRANGLER C1 PILOT VEHICLE.
TESTED AS BUILT WITHOUT MODIFICATIONS.
AUTOMATIC TRANS, 4.0L ENGINE, 'SAHARA' PACKAGE.
19.0 GALLON FUEL TANK.
FULL REAR BUMPER.
FULL SIZE SPARE, 15X30, ON AL. RIMS.

TARGET WEIGHT (LBS) 3665 TOTAL, 1779 FRONT, 1886 REAR, REP MAX OPT WT.
DOES NOT INCLUDE OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 18.5 GALLONS OF STODDARD SOLVENT.
200 LBS OF LUGGAGE BALLAST IN REAR FOOTWELLS.
100 LBS OF BALLAST SECURED TO LF FLOORPAN.

POST TEST REMARKS LEFT SILL IS DISTORTED.

DATE 05/28/97
TIME 15.50.59.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC06442 ITEM TJ5642
VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1998 FMVSS 301, FUEL SYSTEM INTEGRITY
TEST DATE 05/21/97

EDP TECHNICIAN S. MARCHENIA

No. of Pages 46
CC

J. B. ESTES 514-17-41
M. T. STEBLETON 422-05-01

TITLE: Page Index of EDP plots Pages 001 - 046
***** VC06442A ***** Page I-01
TITLE: Transducer Summary Reports Pages 001 - 004
PAGE: 001 TSR Channels 001 - 008
PAGE: 002 TSR Channels 009 - 016
PAGE: 003 TSR Channels 017 - 024
PAGE: 004 TSR Channels 025 - 028

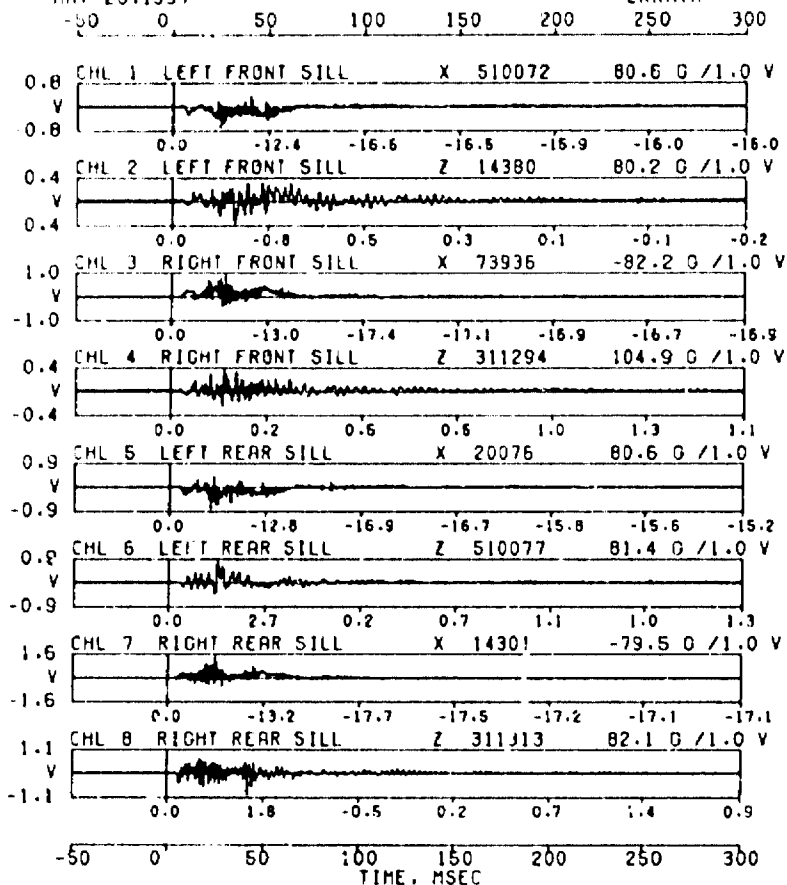
***** VC06442B *****
TITLE: Vehicle Channels Pages 005 - 042
PAGE: 005 Average of Sill Chls 1, 3, 5, & 7
PAGE: 006 Average of Frt Sill Chls 1 & 3
PAGE: 007 LEFT FRONT SILL X, Chl 1
PAGE: 008 LEFT FRONT SILL X, Chl 1, VD
PAGE: 009 LEFT FRONT SILL Z, Chl 2
PAGE: 010 RIGHT FRONT SILL X, Chl 3
PAGE: 011 RIGHT FRONT SILL X, Chl 3, VD
PAGE: 012 RIGHT FRONT SILL Z, Chl 4
PAGE: 013 LEFT REAR SILL X, Chl 5
PAGE: 014 LEFT REAR SILL X, Chl 5, VD
PAGE: 015 LEFT REAR SILL Z, Chl 6
PAGE: 016 RIGHT REAR SILL X, Chl 7
PAGE: 017 RIGHT REAR SILL X, Chl 7, VD
PAGE: 018 RIGHT REAR SILL Z, Chl 8
PAGE: 019 LT RAIL MID TANK X, Chl 9
PAGE: 020 LT RAIL MID TANK X, Chl 9, VD
PAGE: 021 LT RAIL MID TANK Z, Chl 10
PAGE: 022 RT RAIL MID TANK X, Chl 11
PAGE: 023 RT RAIL MID TANK X, Chl 11, VD
PAGE: 024 RT RAIL MID TANK Z, Chl 12
PAGE: 025 LR RL RR SPRG HNGR FT X, Chl 13 *C*
PAGE: 026 LR RL RR SPRG HNGR FT X, Chl 13, VD *C*
PAGE: 027 LT RL RR SPRG HNGR FT Z, Chl 14
PAGE: 028 RT RL RR SPRG HNGR FT X, Chl 15
PAGE: 029 RT RL RR SPRG HNGR FT X, Chl 15, VD
PAGE: 030 RT RL RR SPRG HNGR FT Z, Chl 16
PAGE: 031 RR BUMPER LT EVNT, Chl 17, Event
PAGE: 032 RR BUMPER RT EVNT, Chl 18, Event
PAGE: 033 RR SHEET METAL LT EVNT, Chl 19, Event
PAGE: 034 RR SHEET METAL RT EVNT, Chl 20, Event
PAGE: 035 TAILGATE STRIKER BRKT X, Chl 21
PAGE: 036 TAILGATE STRIKER BRKT X, Chl 21, VD
PAGE: 037 TAILGATE STRIKER BRKT Y, Chl 22 *C*
PAGE: 038 TAILGATE STRIKER BRKT Z, Chl 23
PAGE: 039 TAILGATE INNER X, Chl 24
PAGE: 040 TAILGATE INNER X, Chl 24, VD
PAGE: 041 TAILGATE INNER Y, Chl 25
PAGE: 042 TAILGATE INNER Z, Chl 26

***** VC06442C *****
TITLE: Moving barrier Channels Pages 043 - 046
PAGE: 043 LT RAIL MBAR MID X Chl 27
PAGE: 044 LT RAIL MBAR MID X, Chl 27, VD
PAGE: 045 RT RAIL MBAR MID X Chl 28
PAGE: 046 RT RAIL MBAR MID X, Chl 28, VD

TRANSDUCER SUMMARY REPORT

VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
 1998 PHV55 301, FUEL SYSTEM INTEGRITY.
 IMPACT ANALYSIS DEPT. 5320
 MAY 28, 1997

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 OF 046
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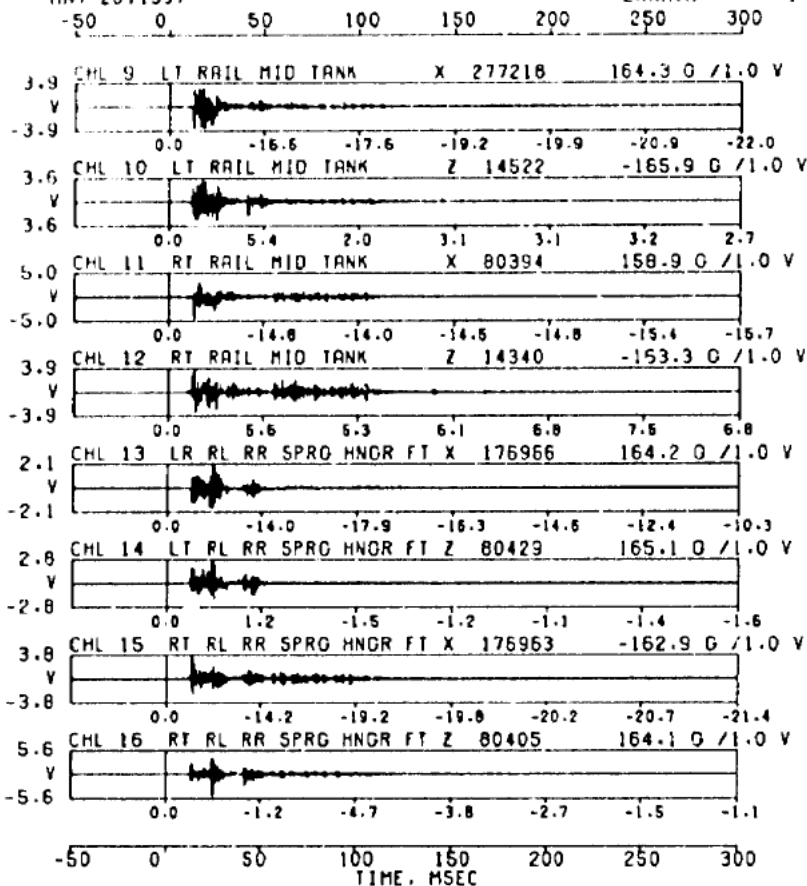


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS642
 1998 FMVSS 301, FUEL SYSTEM INTEGRITY.
 IMPACT ANALYSIS DEPT. 5320
 MAY 28, 1997

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 OF 046
 DATA SET 05/21/97BH
 ERRATA 1



NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

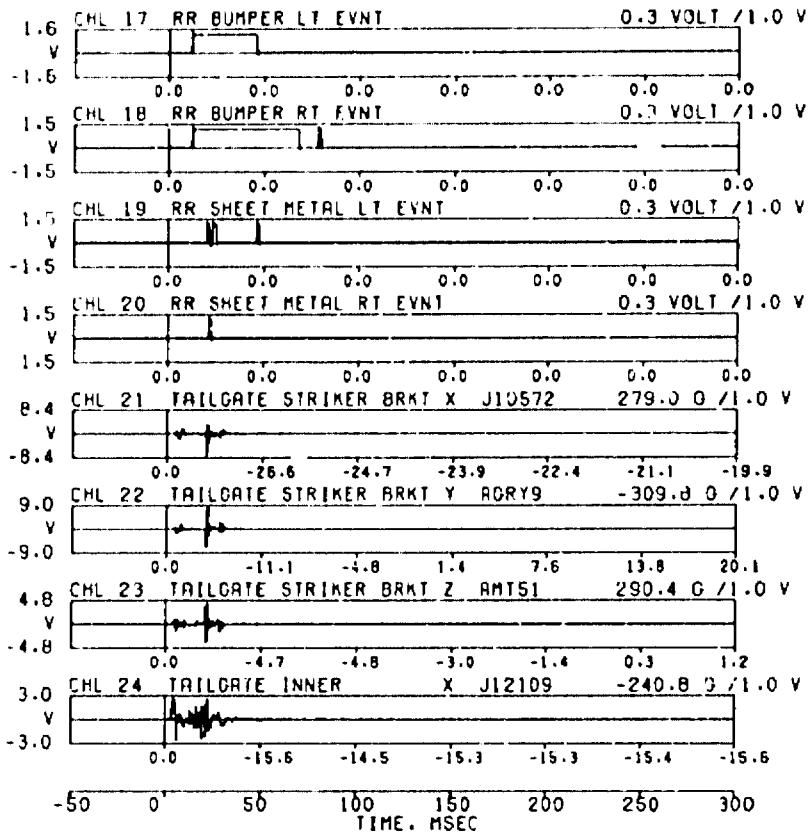
TRANSDUCER SUMMARY REPORT

VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
 1998 FAV55 301, FUEL SYSTEM INTEGRITY.
 IMPACT ANALYSIS DEPT. 6320

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 OF 046
 DATA SET 05/21/97B1
 ERRATA 1

MAY 28, 1997

-50 0 50 100 150 200 250 300

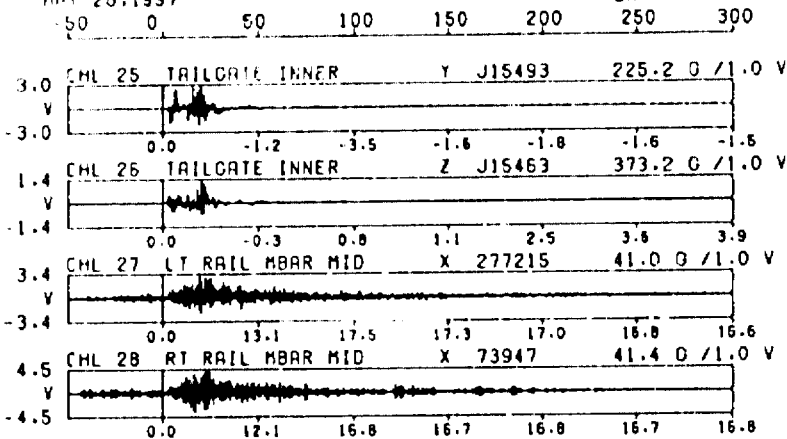


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS642
 1998 FMYSS 301, FUEL SYSTEM INTEGRITY.
 IMPACT ANALYSIS DEPT. 6320
 MAY 28, 1997

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 OF 046
 DATA SET 05/21/97BI
 ERRATA 1



-50 0 50 100 150 200 250 300
 TIME. MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

YC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS642
1998 FV55 301, FUEL SYSTEM INTEGRITY.

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OF 046

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL	X	510072
CHANNEL 003 RIGHT FRONT SILL	X	73936
CHANNEL 005 LEFT REAR SILL	X	20076
CHANNEL 007 RIGHT REAR SILL	X	14301

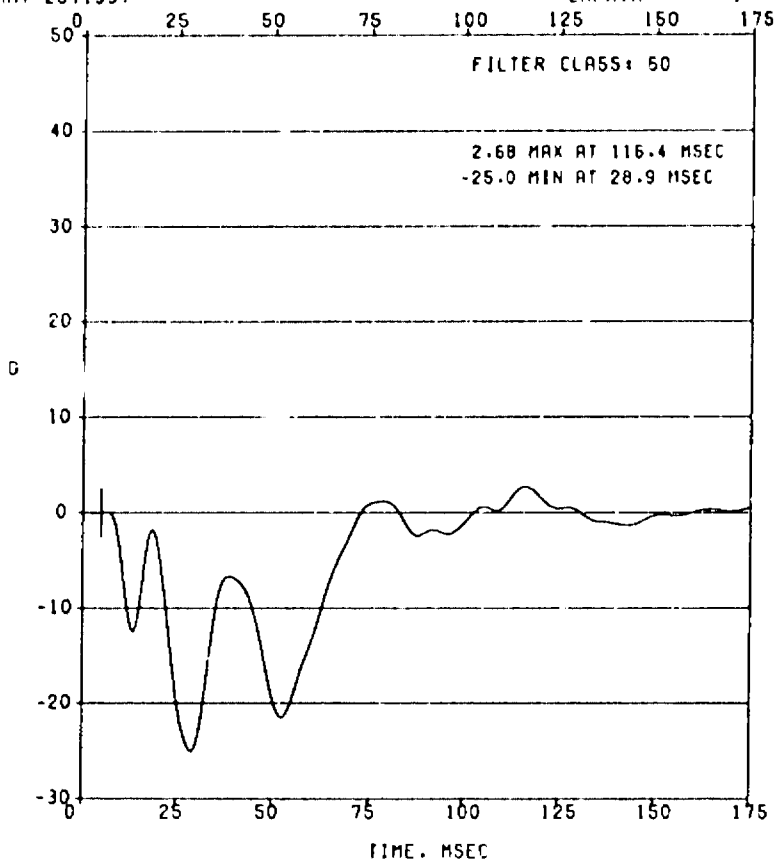
FILTER TYPE: SAE J2110/80 DC (60ITPF-R) EFF 3/24/86

IMPACT ANALYSIS DEPT. 5320

DATA SET 05/21/97BH

MAY 28, 1997

ERRATA 1



VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1998 PHYS 301, FUEL SYSTEM INTEGRITY.

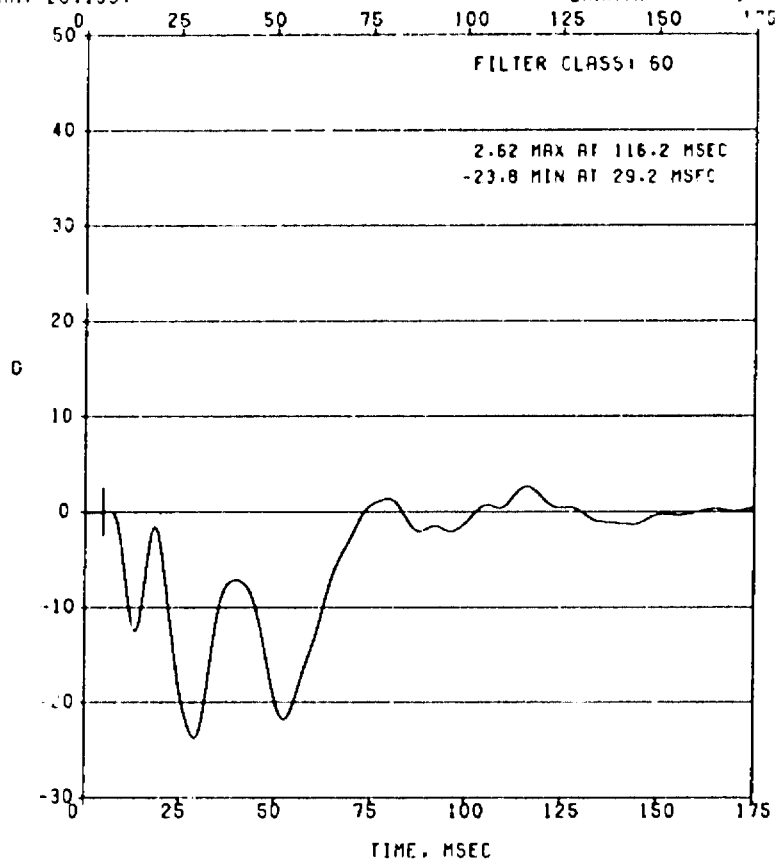
PAGE 006
OF 046

AVERAGE OF

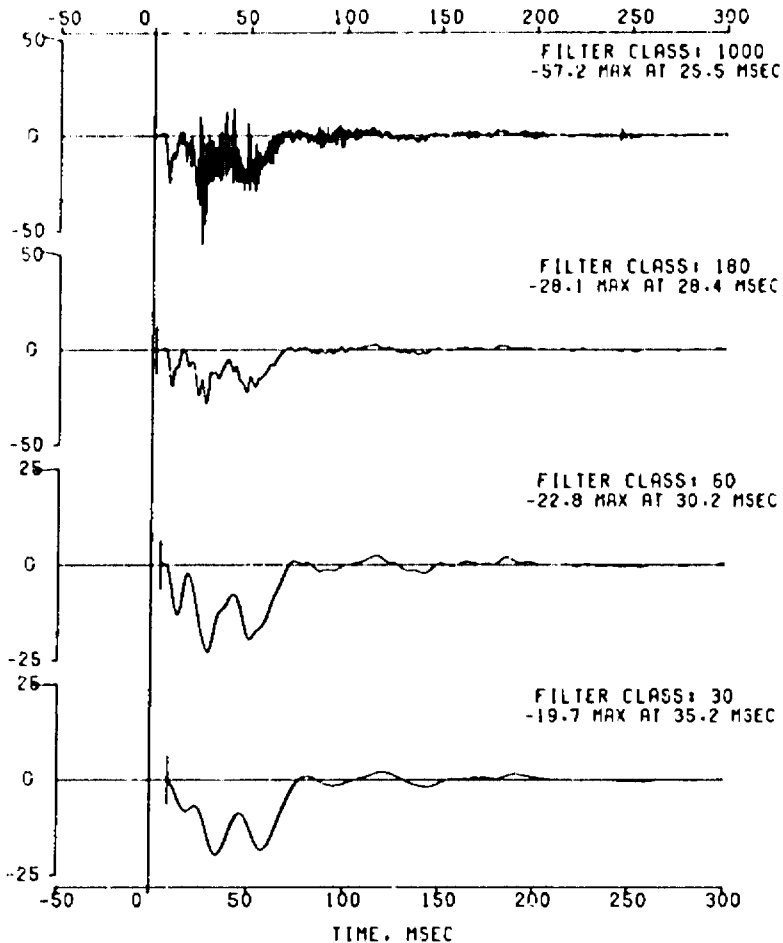
CHANNEL 001 LEFT FRONT SILL X E10072
CHANNEL 003 RIGHT FRONT SILL X 73936

FILTER TYPE: SAE J211B/80 DC (6011FH-R) EFF 3/24/86
IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

DATA SET 05/21/97BH
ERRATA 1



VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642 PROF 007
1998 FV35 301, FUEL SYSTEM INTEGRITY. OF 046
CHANNEL 001 LEFT FRONT SILL X 510072
FILTER TYPE: DUDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 05/21/97BH
MAY 28, 1997 ERRATA 1



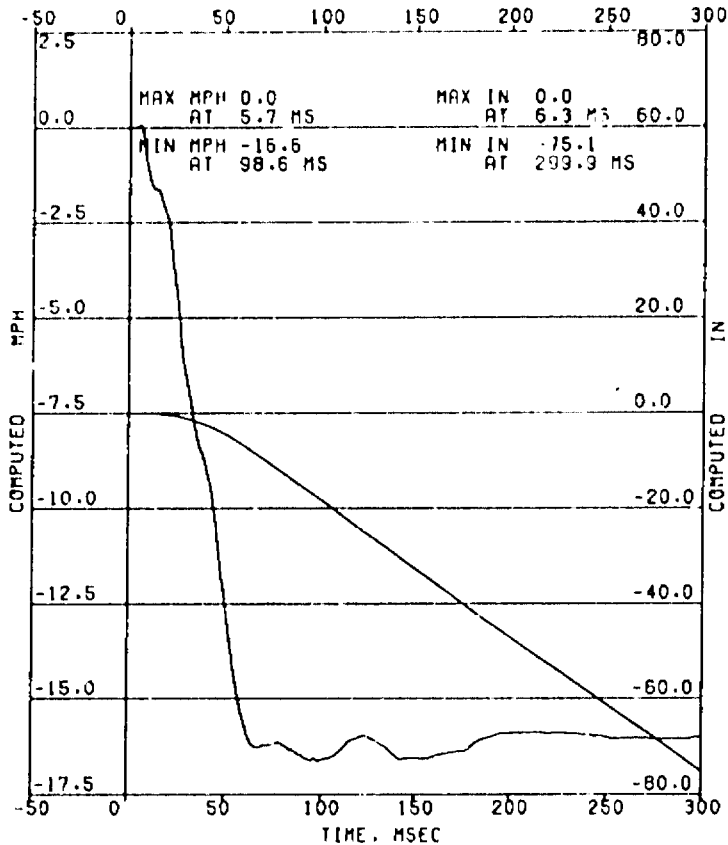
VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1698 FMVSS 301, FUEL SYSTEM INTEGRITY.
CHANNEL 001 LEFT FRONT SILL X 510072

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FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

DATA SET 05/21/97BH
ERRATA 1

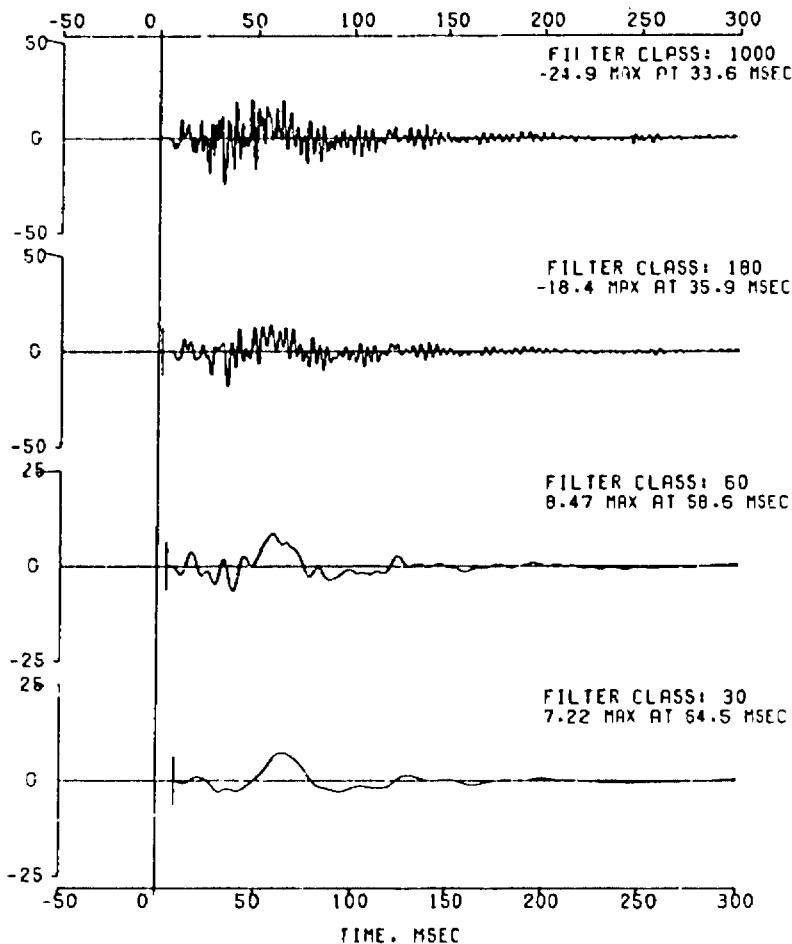


COMPUTED MPH
COMPUTED IN

VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1998 FMYSS 301, FUEL SYSTEM INTEGRITY.
CHANNEL 002 LEFT FRONT SILL Z 14380
FILTER TYPE: 08DAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 20, 1997

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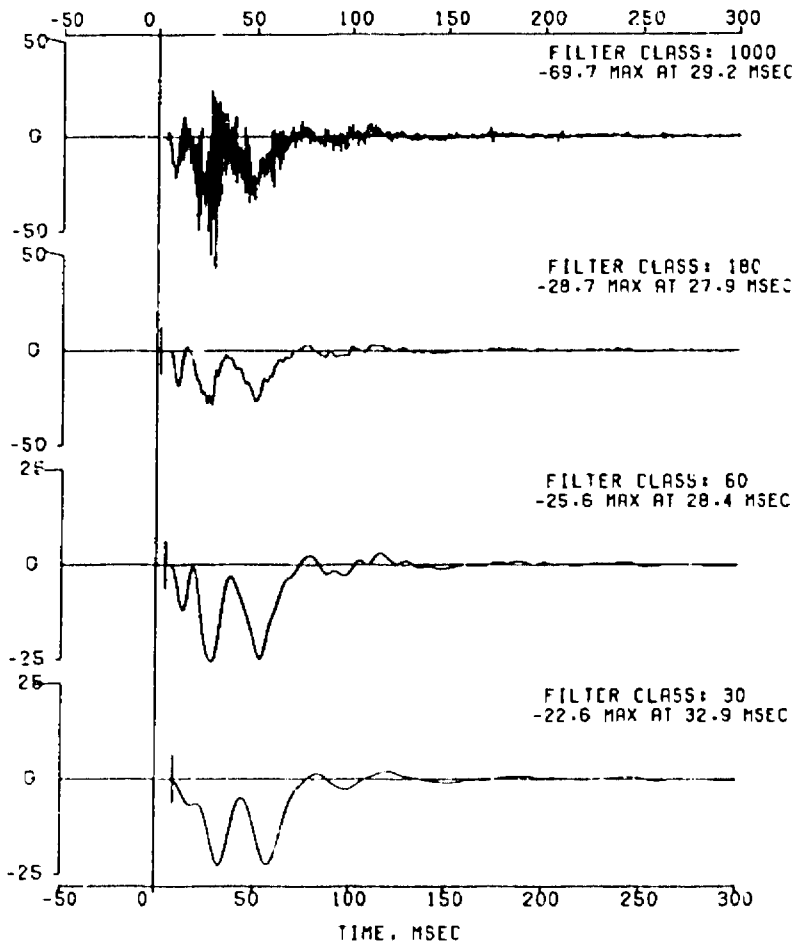
DATA SET 05/21/97BH
ERRATA 1



VC06442 30 MPH TYPE IV REAR IMPACT. 1JJ-77. 4.0L ITEM TJS642
1998 FVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 003 RIGHT FRONT SILL X 73936
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28.1997

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DATA SET 05/21/97BH
ERRATA 1



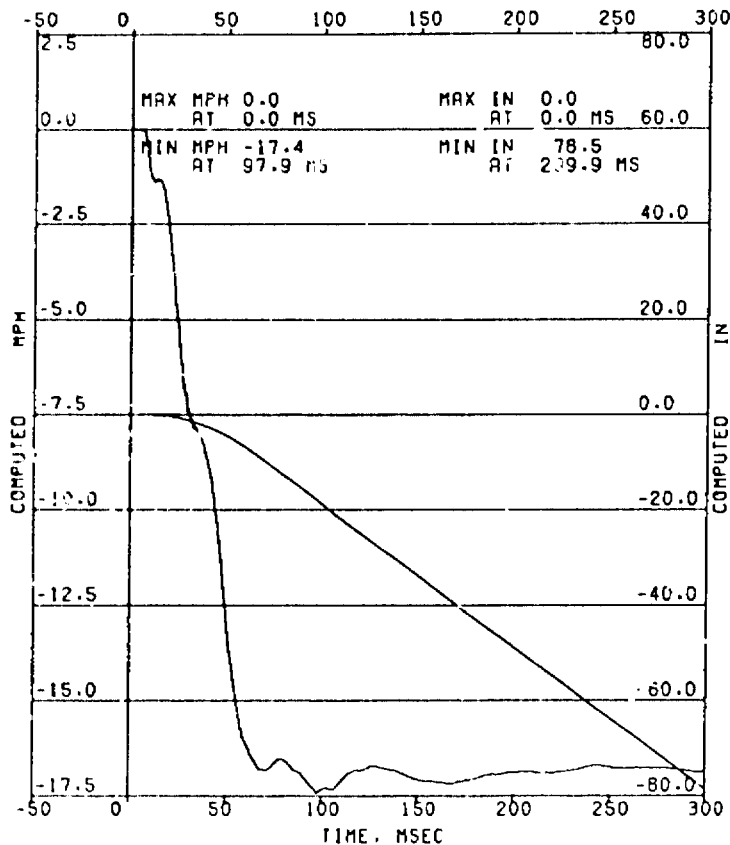
VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS642
1998 FVSS 301, FUEL SYSTEM INTEGRITY.
CHANNEL 003 RIGHT FRONT SILL X 73936

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OF 046

FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

DATA SET 05/21/97BM
ERRATA 1

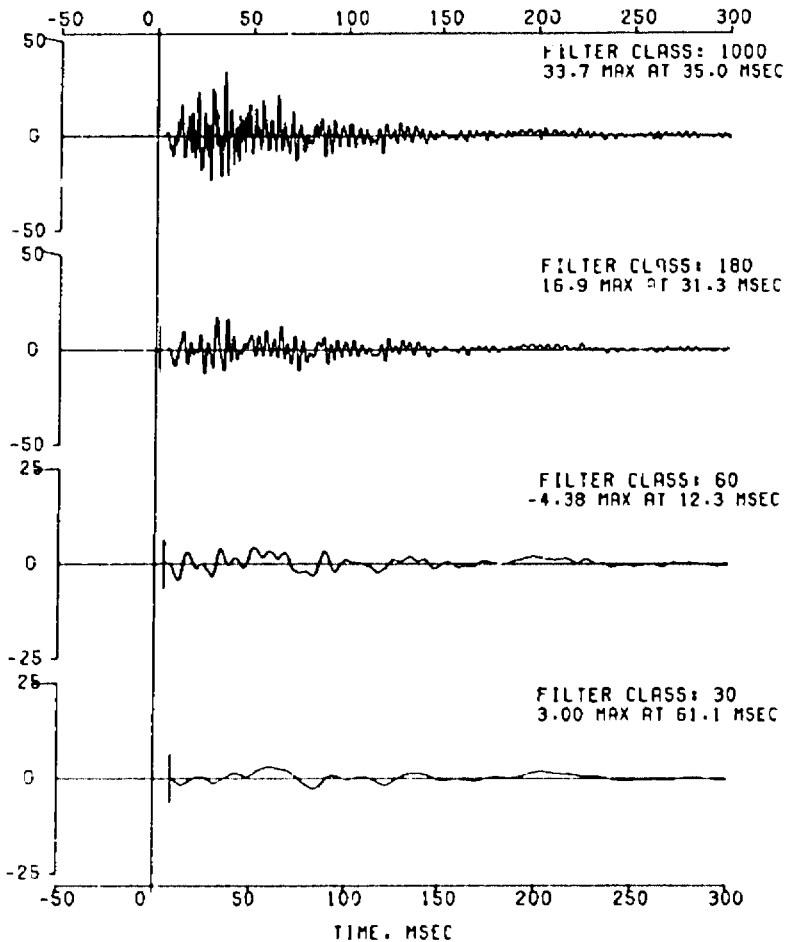


COMPUTED MPH
COMPUTED IN

VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1998 FHVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 004 RIGHT FRONT SILL Z 311294
FILTER TYPE: 08DAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

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DATA SET 05/21/97BH
ERRATA 1



VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJS542

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1998 FVSS 301. FUEL SYSTEM INTEGRITY.

CHANNEL 005 LEFT REAR SILL X 20076

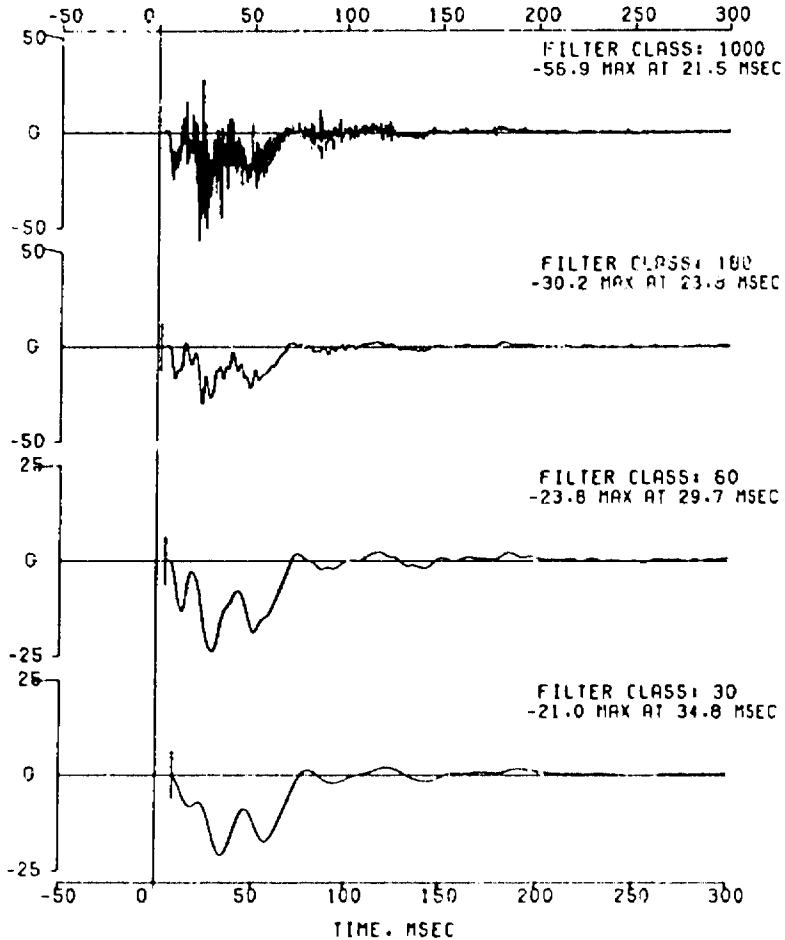
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

DATA SET 05/21/97BH

MAY 28, 1997

ERRATA

1



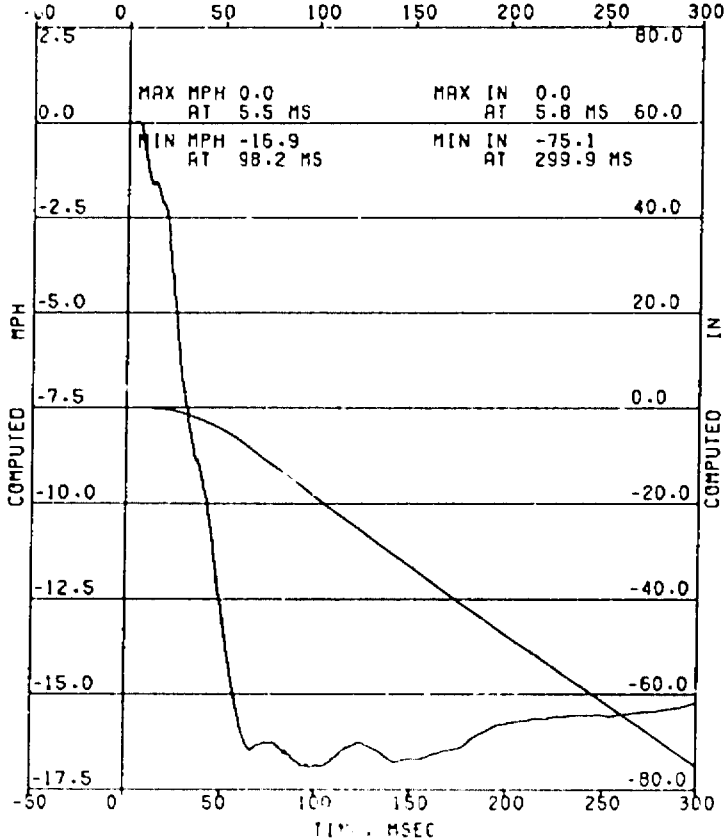
VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4-OL ITEM TJ5642
1998 FHV55 301, FUEL SYSTEM INTEGRITY.
CHANNEL 005 LEFT REAR SILL X 20076

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FILTER TYPE: OBDAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28.1997

DATA SET 05/21/97Bii
ERRATA 1

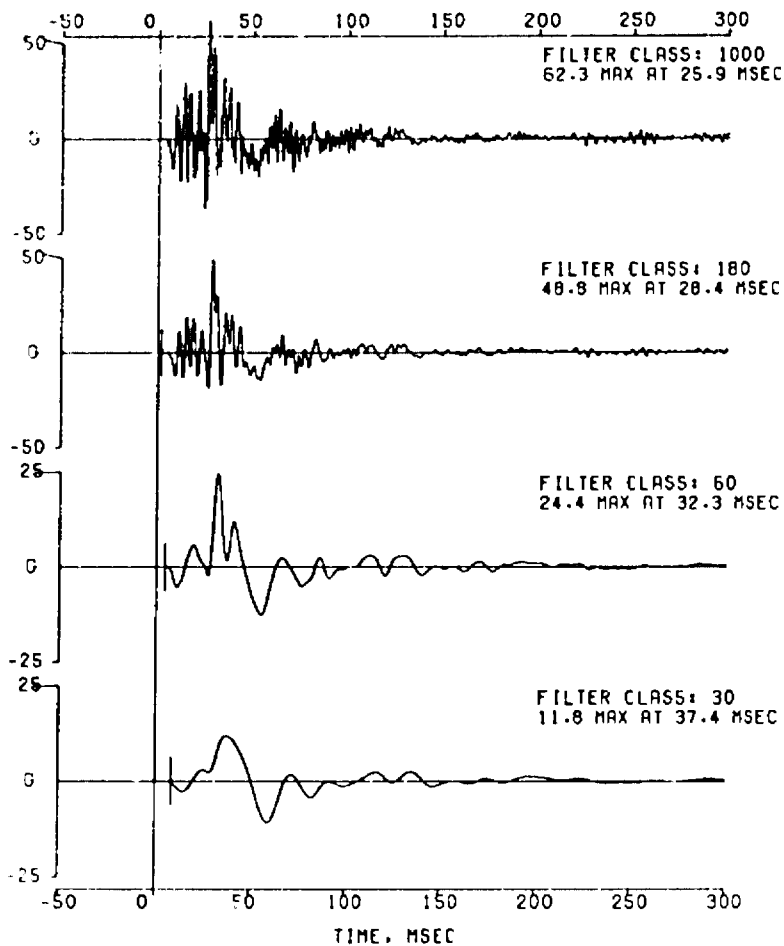


COMPUTED MPH
COMPUTED IN

V06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS642
1990 FMYSS 301, FUEL SYSTEM INTEGRITY,
CHANNEL 006 LEFT REAR SILL Z 510077
FILTER TYPE: 080AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1050)
IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

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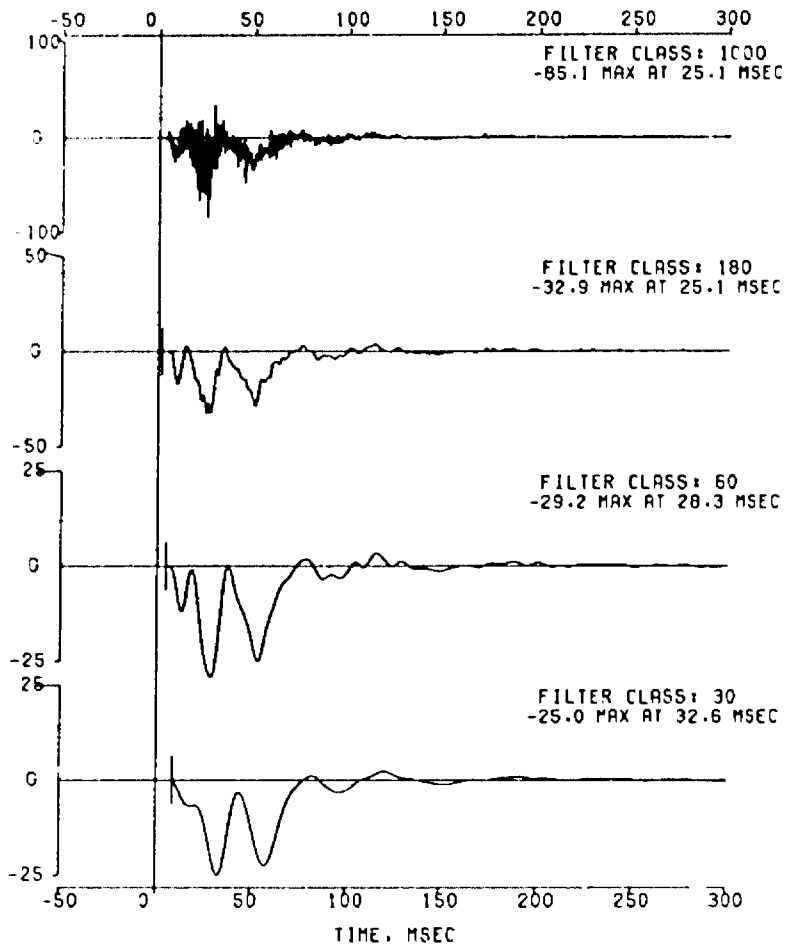
DATA SET 05/21/97BH
ERRATA 1



VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJ5542
1998 FMY55 301. FUEL SYSTEM INTEGRITY.
CHANNEL 007 RIGHT REAR SILL X 14301
FILTER TYPE: 08DAS-III RESPONSE CORRECTION. CLA = 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. S320
MAY 28, 1997

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DATA SET 05/21/97BH
ERRATA 1



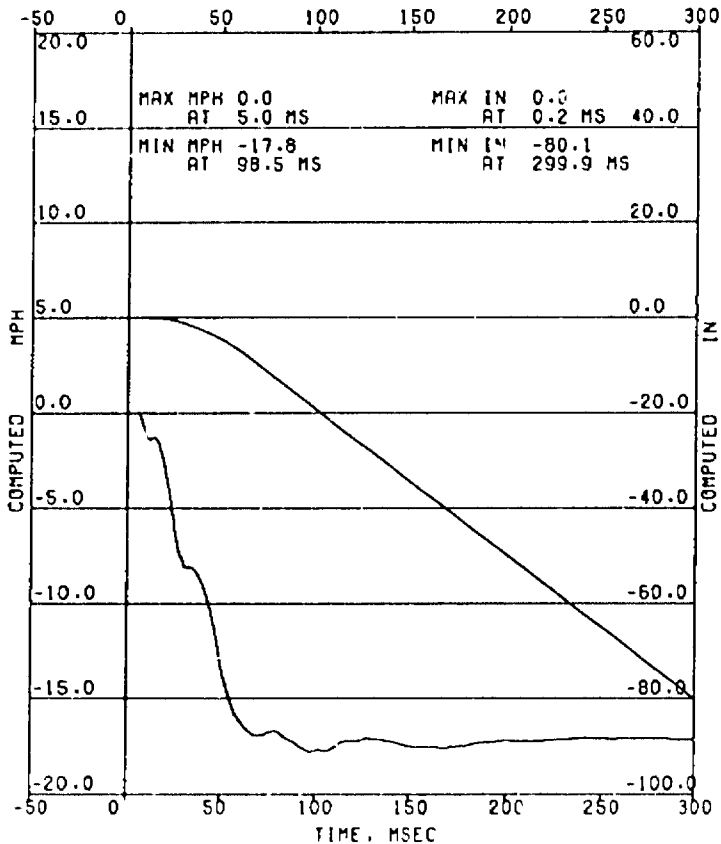
YC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1998 FAYSS 30L FUEL SYSTEM INTEGRITY.
CHANNEL 007 RIGHT REAR SILL X 14301

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FILTER TYPE: OBDAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

DATA SET 05/21/97BH
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJ5642
1998 FVSS 301. FUEL SYSTEM INTEGRITY.

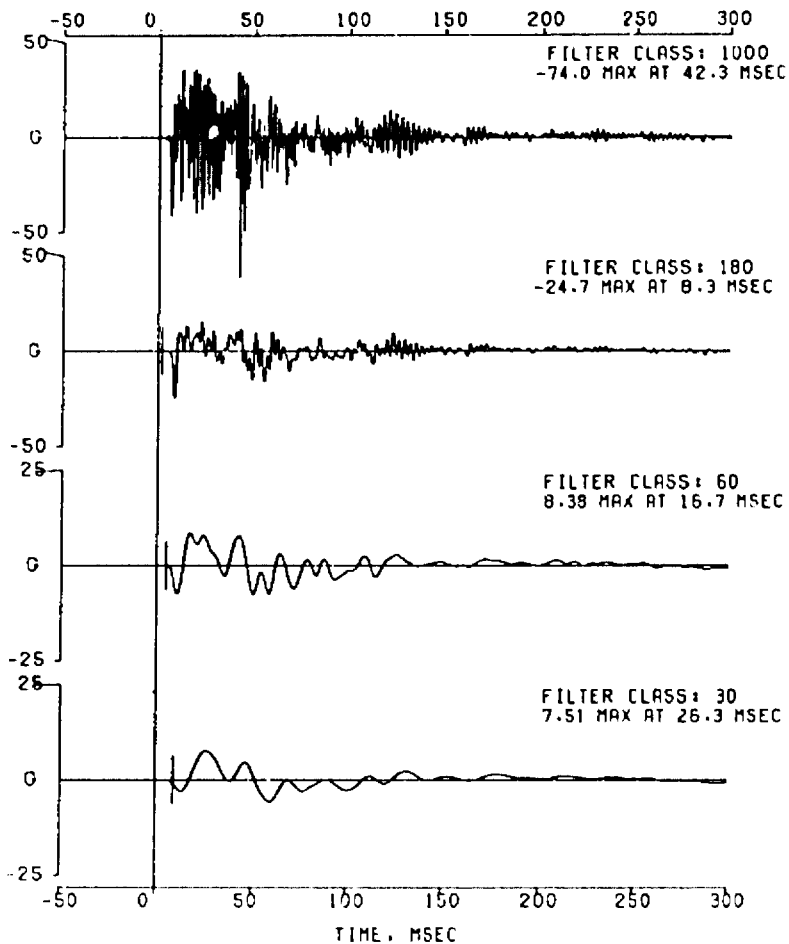
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CHANNEL 008 RIGHT REAR SILL Z 311313

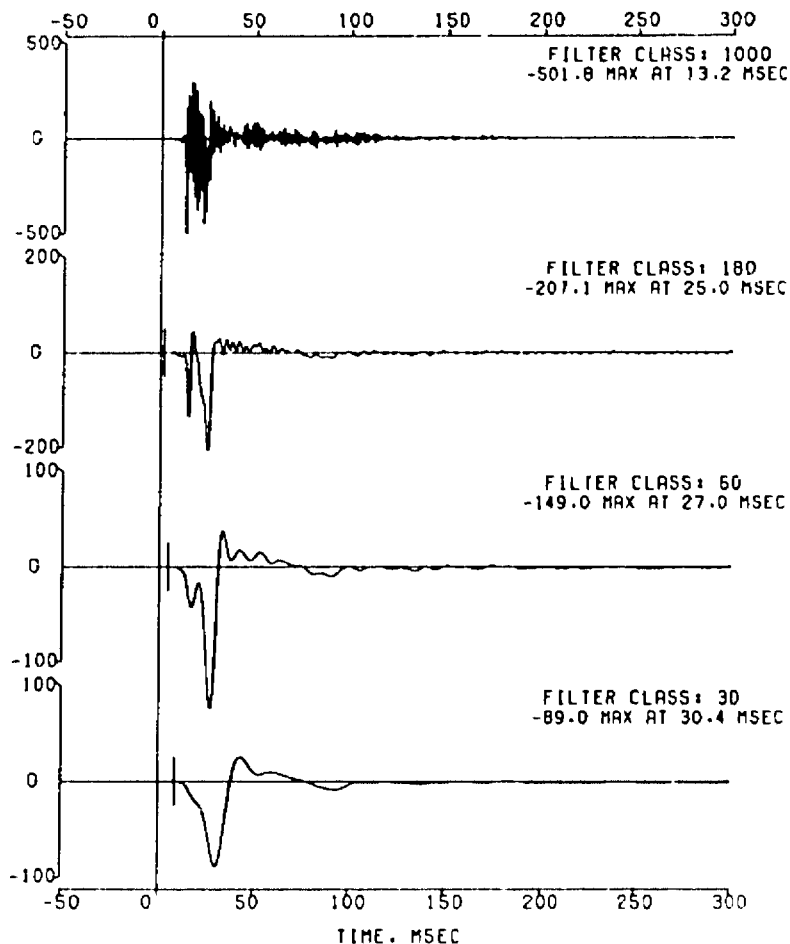
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320
MAY 28.1997

DATA SET 05/21/97BH
ERRATA !



VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77, 4.0L ITEM TJ5642 PAGE 019
1998 FMVSS 301. FUEL SYSTEM INTEGRITY. OF 045
CHANNEL 009 LT RAIL MID TANK X 277218
FILTER TYPE: 08DAS-111 RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 05/21/97BH
MAY 28, 1997 ERRATA 1



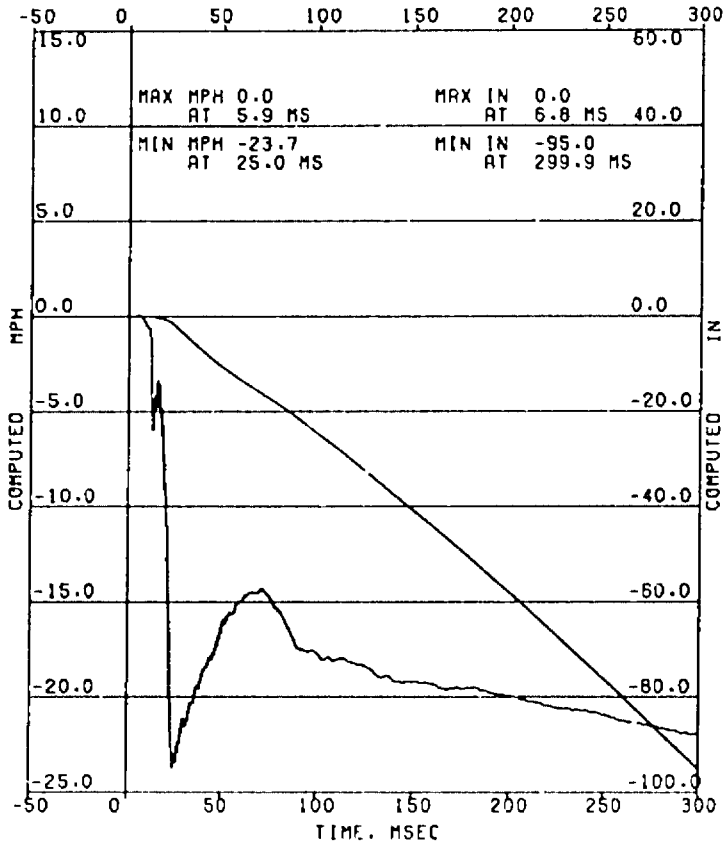
VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS642
1998 FAVSS 301, FUEL SYSTEM INTEGRITY.
CHANNEL 009 LT RAIL MID TANK X 277218

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FILTER TYPE: 080AS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

DATA SET 05/21/97BH
ERRATA 1

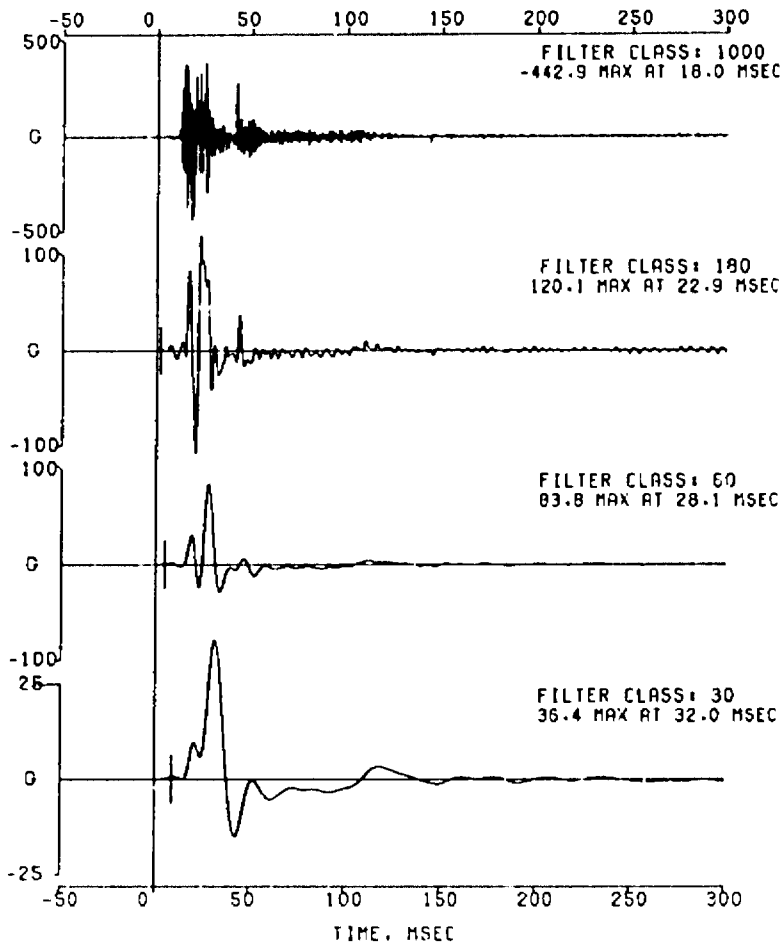


COMPUTED MPH
COMPUTED IN

VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJS642
1998 FMYSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 010 LT RAIL MID TANK Z 14522
FILTER TYPE: 080A5-111 RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28.1997

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DATA SET 05/21/97BH
ERRATA 1



VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJ5642

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1998 FMVSS 301. FUEL SYSTEM INTEGRITY.

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CHANNEL 011 RT RAIL MID TANK X 80394

FILTER TYPE: 880AS-111 RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

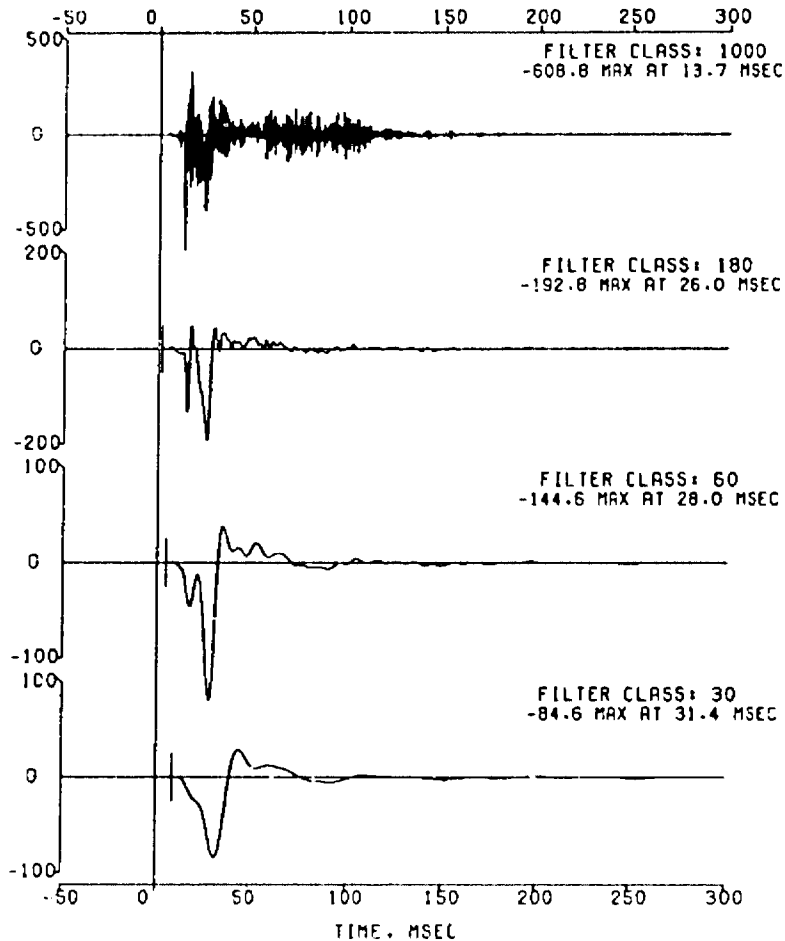
DATA SET 05/21/97BH

IMPACT ANALYSIS DEPT. 5320

ERRATA

1

MAY 28.1997



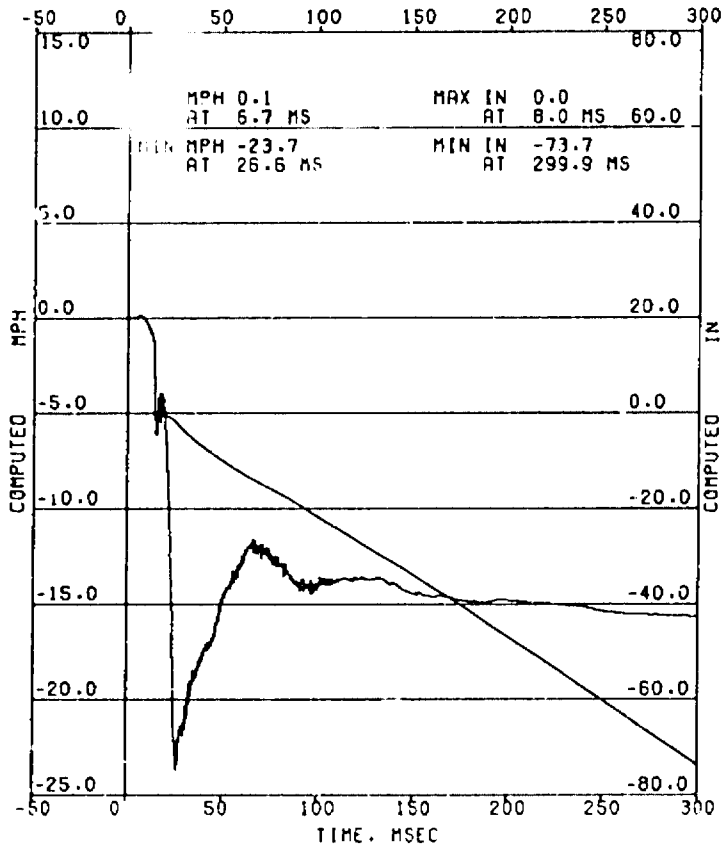
YC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS642
1998 FHVSS 301, FUEL SYSTEM INTEGRITY.
CHANNEL 011 RT RAIL MID TANK X 00394

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FILTER TYPE: 080AS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

DATA SET 05/21/97BH
ERRATA 1



COMPUTED MPH
COMPUTED IN

EA12-005 Peer - Chrysler - 01635

VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJS642
1998 FAYSS 301. FUEL SYSTEM INTEGRITY.

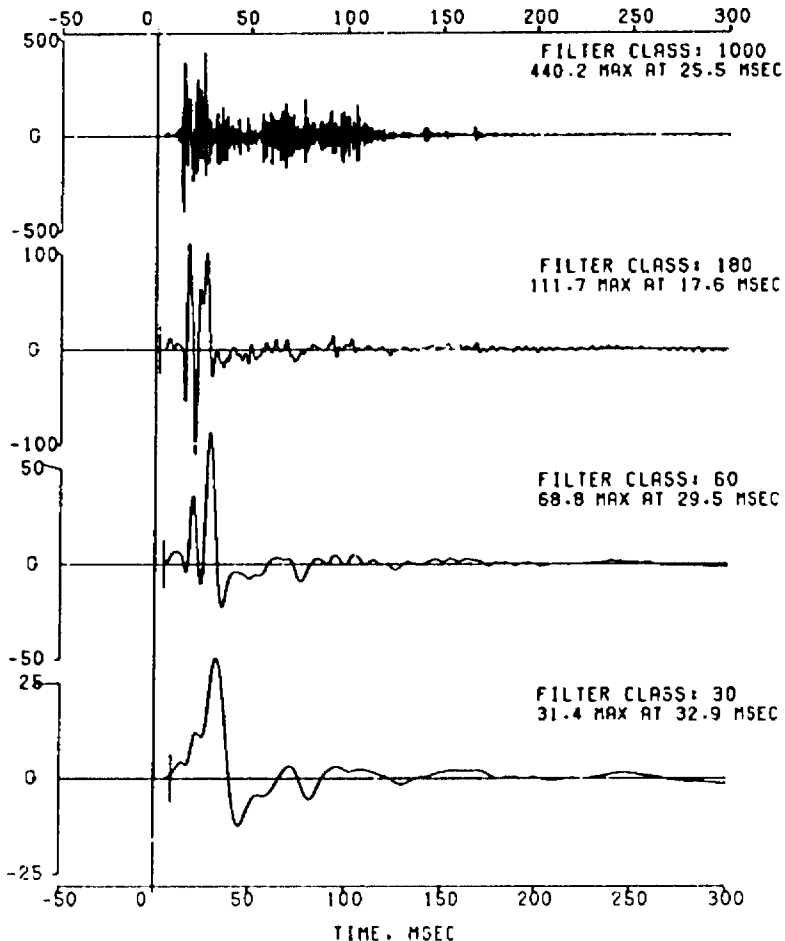
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CHANNEL 012 RT RAIL MID TANK Z 14340

FILTER TYPE: 08DAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320
MAY 28.1997

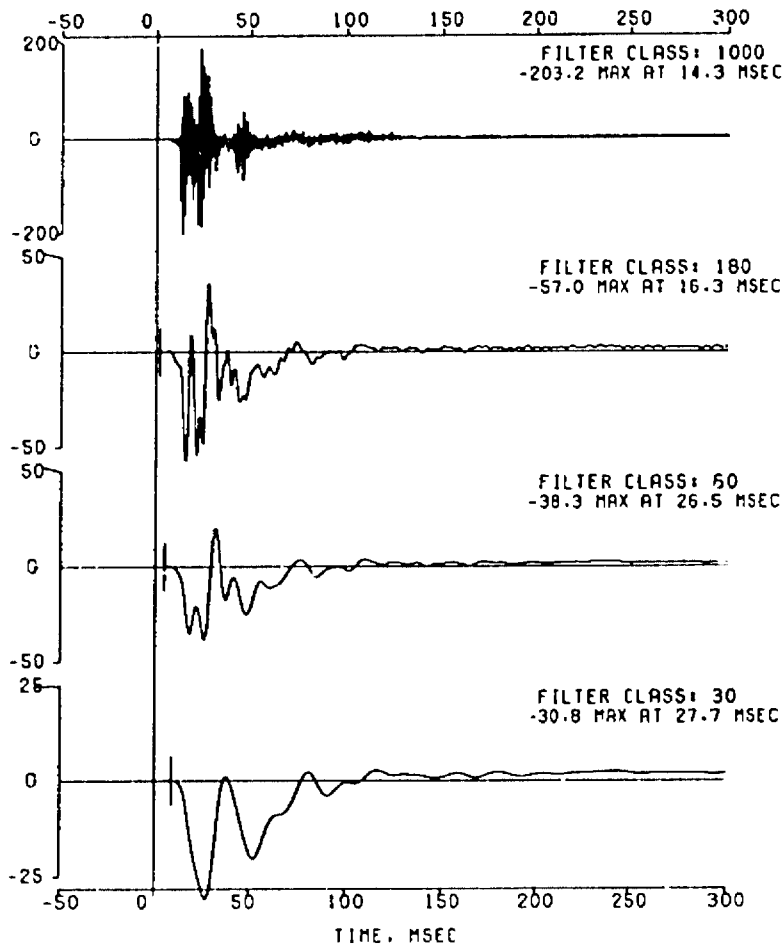
DATA SET 05/21/97BH
ERRATA 1



VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS642
1998 FVSS 301, FUEL SYSTEM INTEGRITY.
CHANNEL 013 LR RL RR SPRO MNOR FT X 176906
FILTER TYPE: 0B0AS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

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DATA SET 05/21/97BH
ERRATA 1

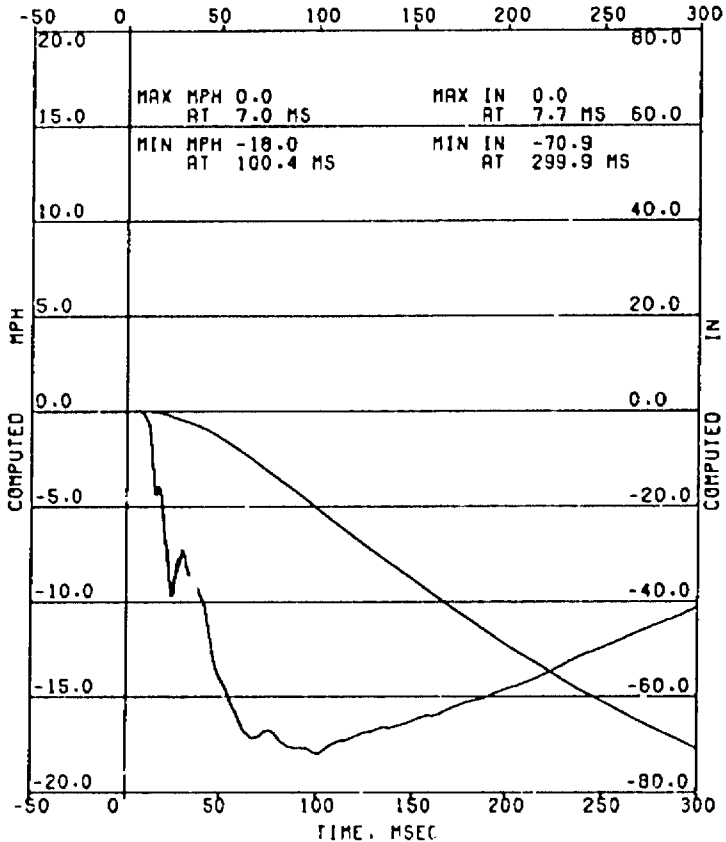


***** CAUTION *****
***** DATA IS OFFSET BY 2 G AFTER 160.0 MS *****

FILTER TYPE: 08DAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 26.1997

DATA SET 05/21/978H
ERRATA 1



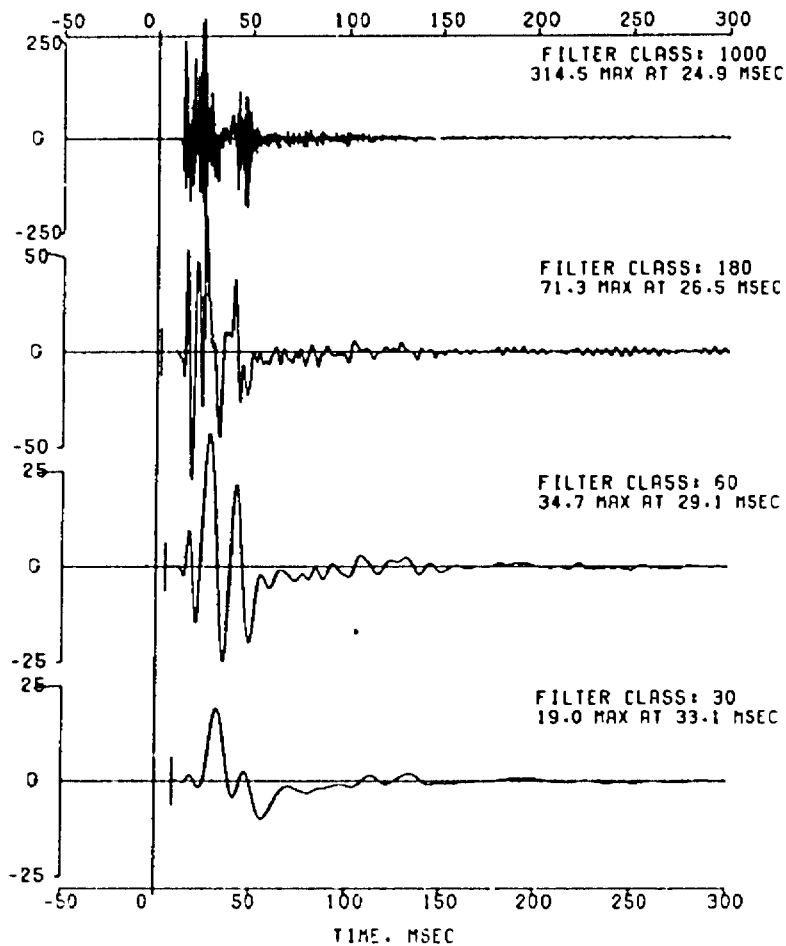
***** CAUTION *****
***** DATA IS OFFSET BY 2.0 AFTER 160.0 MS *****

COMPUTED MPH
COMPUTED IN

VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJS642
1998 FMYSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 014 LT RL RR SPRO HNR FT Z 80429
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28,1997

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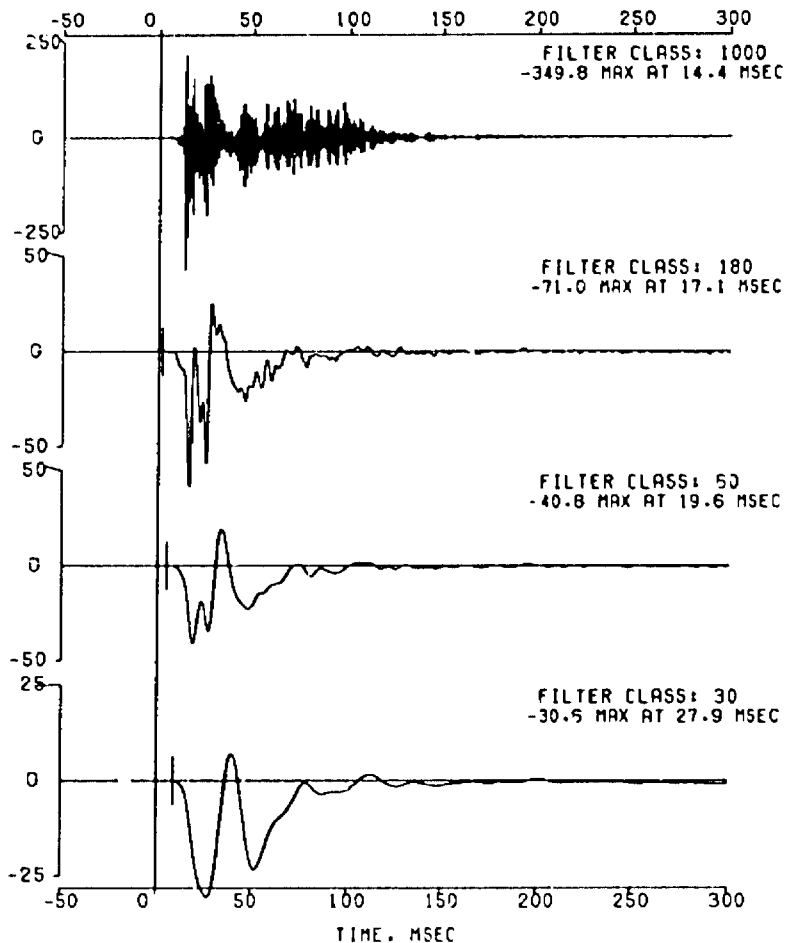
DATA SET 05/21/97BH
ERRATA 1



VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJS642
1998 FVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL DIS RT RL RR SPRO HNR FT X 176963
FILTER TYPE: 080AS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28.1997

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DATA SET 05/21/97BH
ERRATA 1



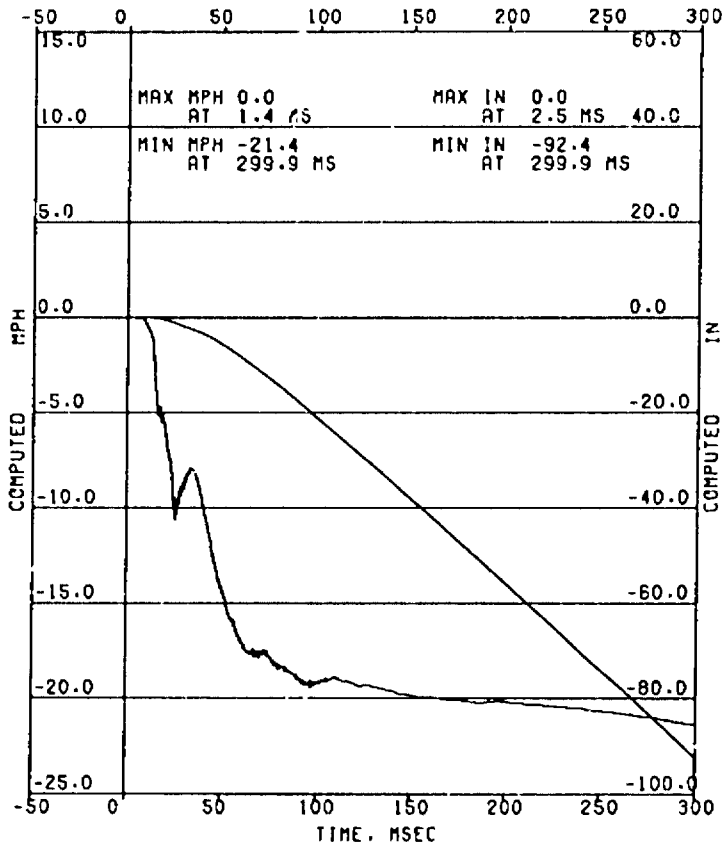
VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS542
1998 FVSS 301, FUEL SYSTEM INTEGRITY.
CHANNEL 015 RT RL RR SPRO HNCR FT X 176963

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OF 046

FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28.1997

DATA SET 05/21/97BH
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC06442 30 MPH TYPE IV REAR IMPACT, 1JJ-77, 4.0L ITEM TJ5642

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1998 FV55 301, FUEL SYSTEM INTEGRITY.

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CHANNEL 016 RT RL RR SPRO HNDR FT Z 80405

FILTER TYPE: 38DAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

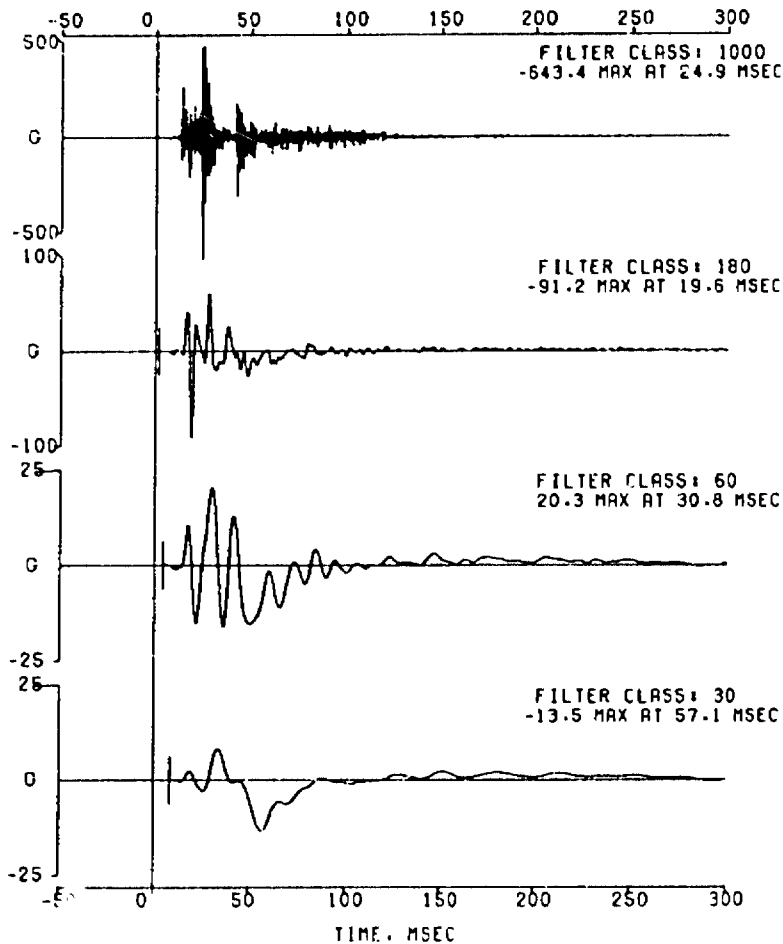
IMPACT ANALYSIS DEPT. 5320

DATA SET 05/21/97BH

MAY 28, 1997

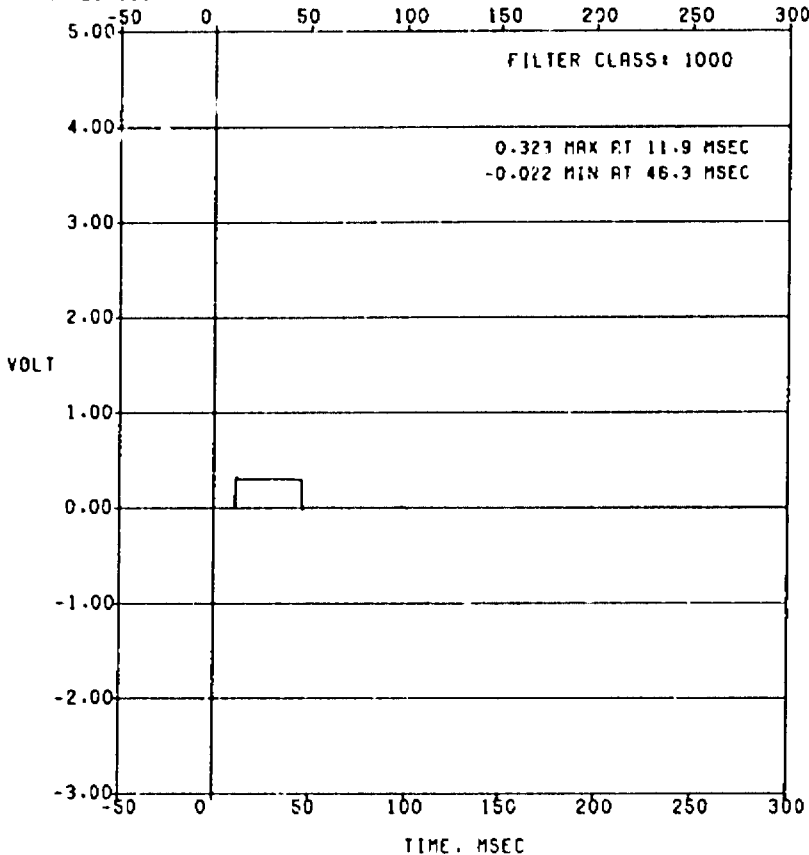
ERRATA

1



CHANNEL 017 RR BUMPER LT EVNT

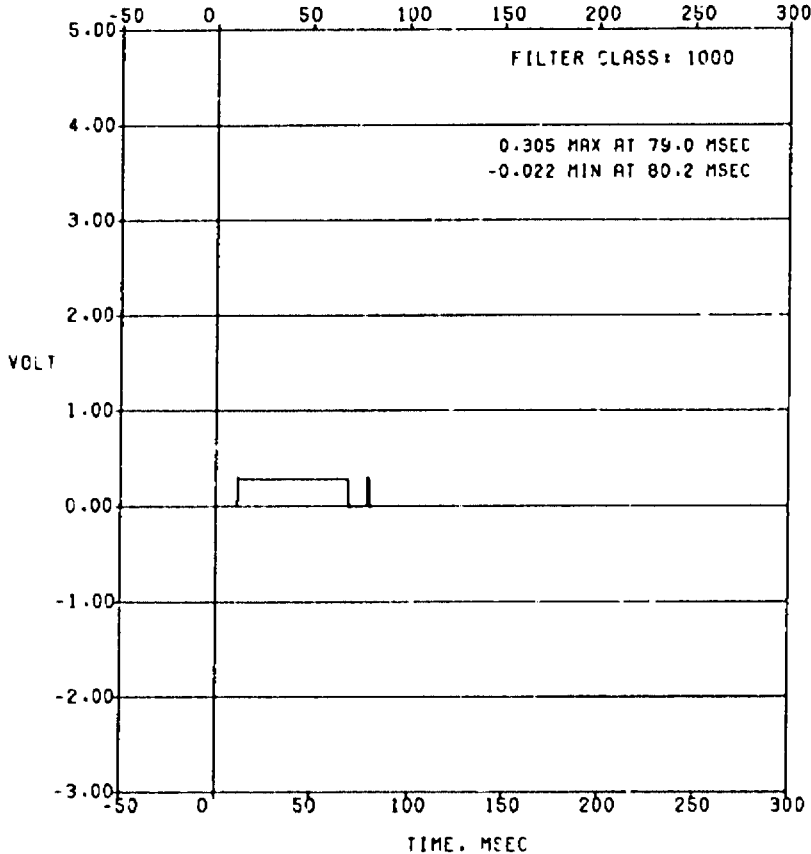
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 05/21/97B1
MAY 28, 1997 ERRATA 1



***** NOTE *****
***** EVENT AT 11.5 MS *****

CHANNEL 018 RR BUMPER RT EVNT

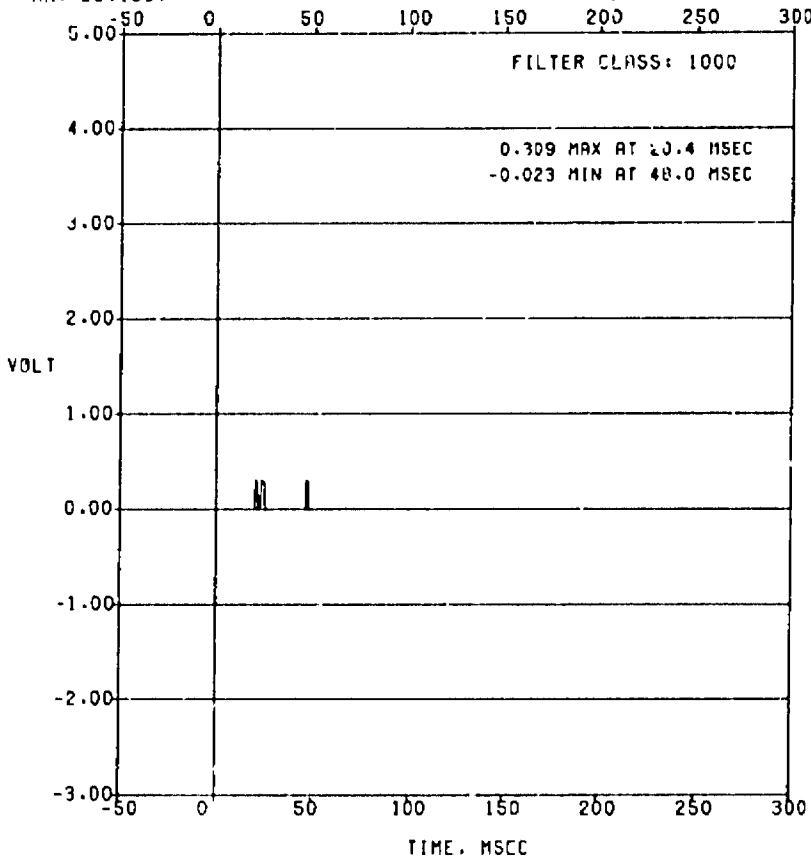
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 05/21/97BI
MAY 28, 1997 ERRATA 1



***** NOTE *****
***** EVENT AT 11.9 MS *****

CHANNEL 019 RR SHEET METAL LT EVNT

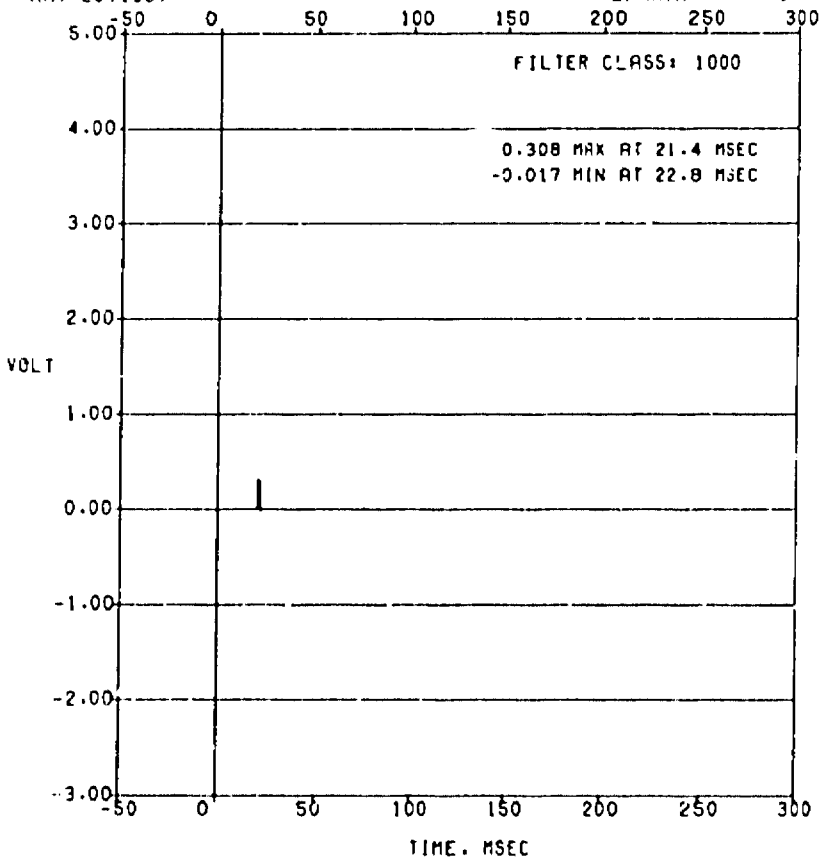
FILTER TYPE: 080AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 05/21/97BI
MAY 28, 1997 ERRATA 1



***** NOTE *****
***** EVENT AT 20.1 MS *****

CHANNEL 020 RR SHEET METAL RT EVNT

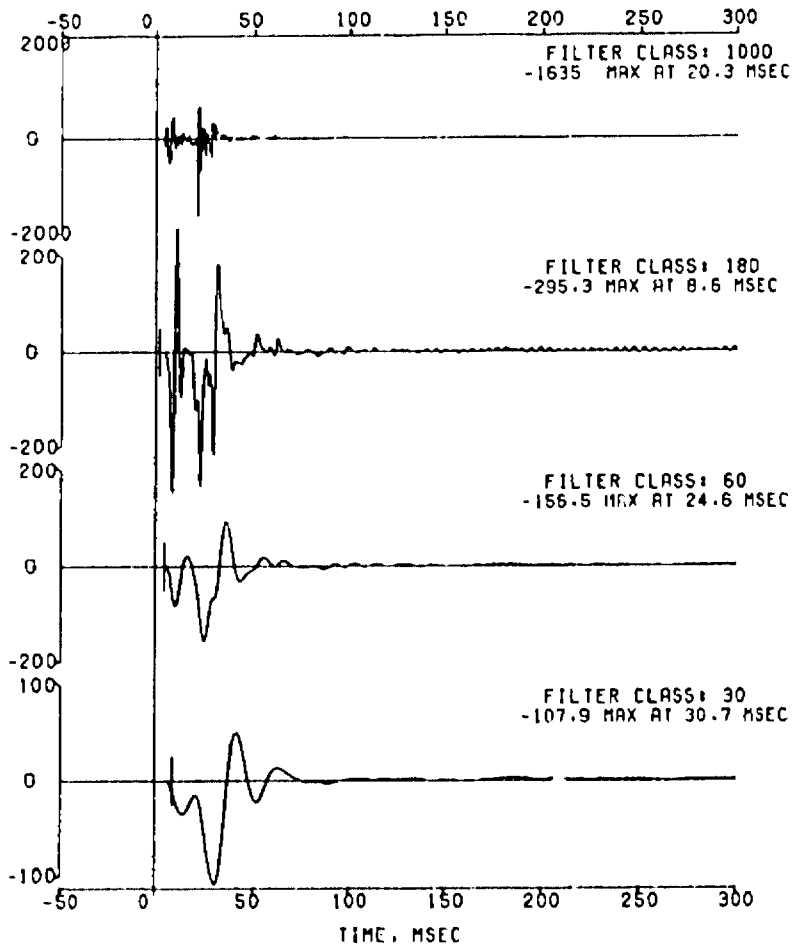
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 05/21/97BI
MAY 28, 1997 ERRATA I



***** NOTE *****
***** EVENT AT 21.7 MS *****

VC05442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJ5642
1998 JVC S 301. FUEL SYSTEM INTEGRITY.
CHANNEL 021 TAILGATE STRIKER BRKT X J10572
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

PAGE 035
OF 046
DATA SET 05/21/97B1
ERRATA 1



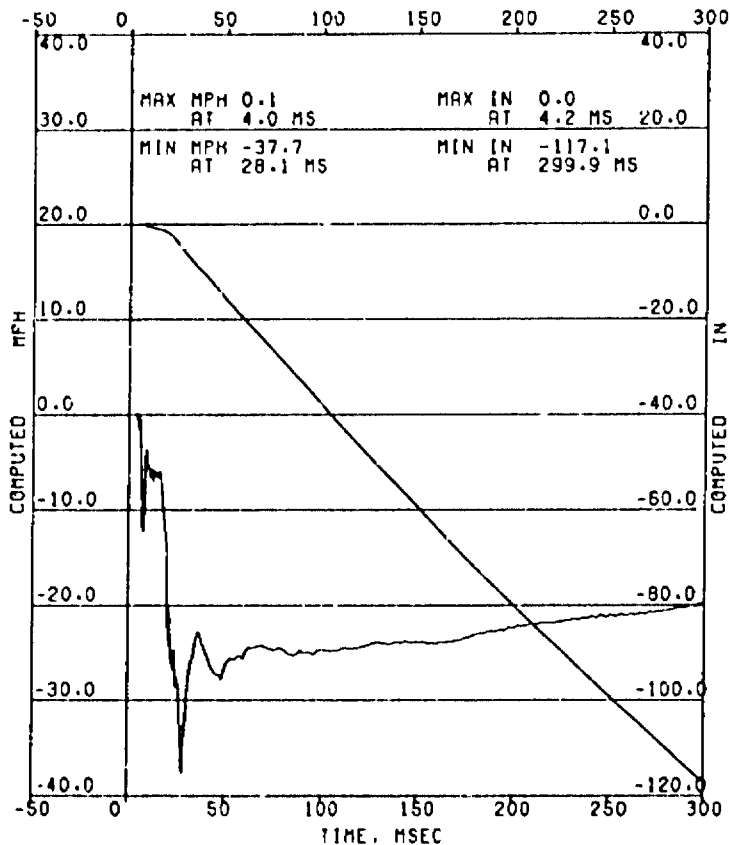
VC0642 30 MPH FIFE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJS642
1998 FAV55 301, FUEL SYSTEM INTEGRITY.
CHANNEL 021 TAILGATE STRIKER BRKT X J10572

PAGE 036
OF 046

FILTER CLASS: 1000 OBDAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

DATA SET 05/21/97B1
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC06442 30 MPH TYPE IV RCAR IMPACT, TJJ-77, 4.0L ITEM TJS642

PAGE 037

1998 FMYSS 301, FUEL SYSTEM INTEGRITY.

OF 046

CHANNEL 022 TAILGATE STRIKER BRKT Y ACRY9

FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

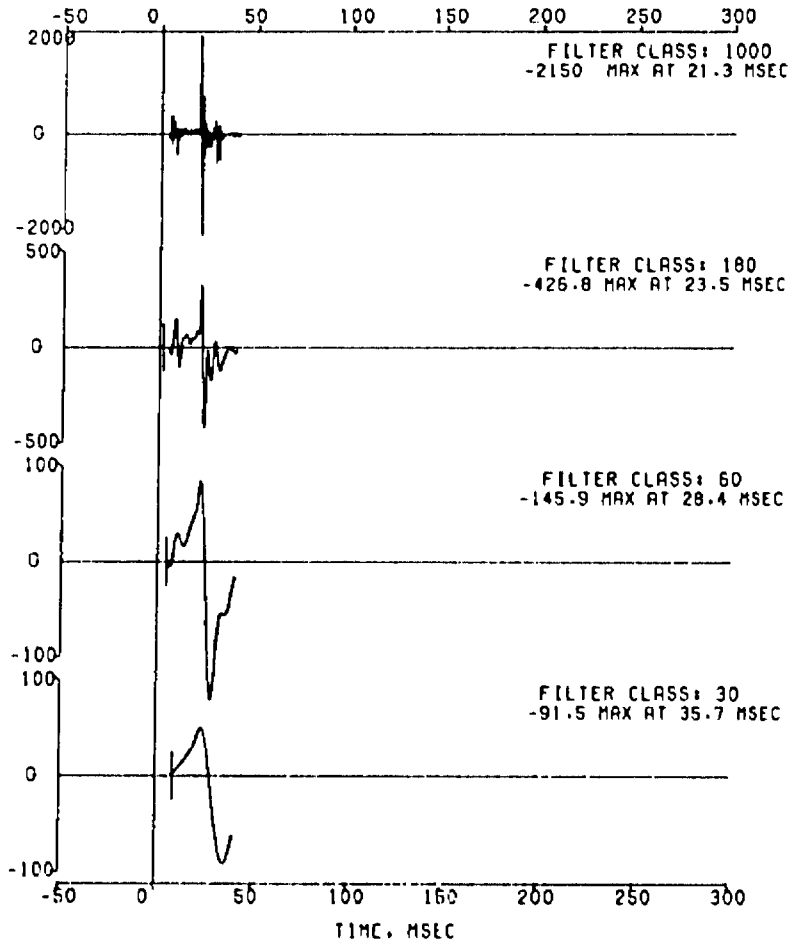
IMPACT ANALYSIS DEPT. 5320

DATA SET 05/21/97BI

MAY 28,1997

ERRATA

1



VC06442 30 MPH TYPE IV REAR IMPACT. 1JJ-77. 4.0L ITEM 1J5642

PAGE 038
OF 046

1998 FMYSS 301. FUEL SYSTEM INTEGRITY.

CHANNEL 023 TAILGATE STRIKER BRKT Z AMT51

FILTER TYPE: 080AS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

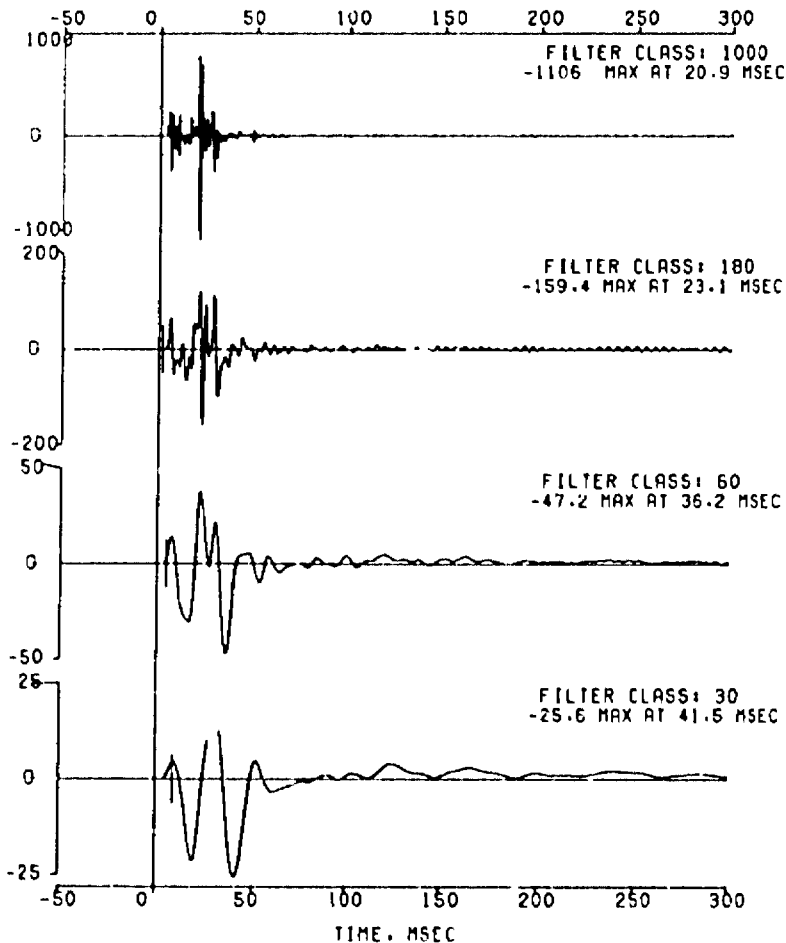
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DATA SET 05/21/97BI

MAY 28.1997

ERRATA

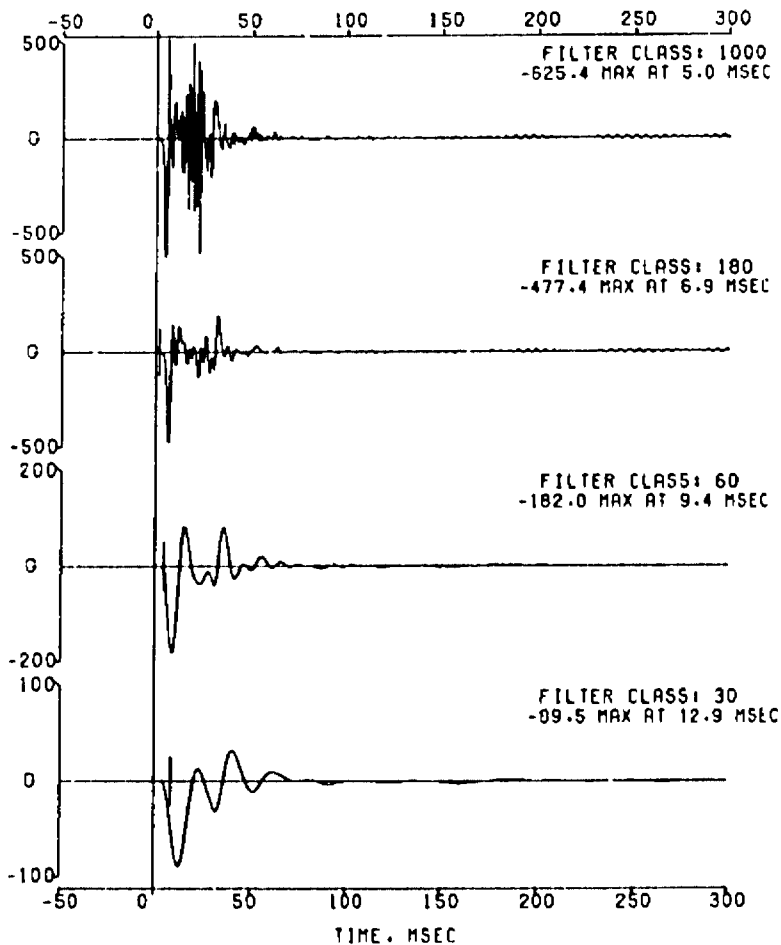
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VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJ5842
1998 FV55 301. FUEL SYSTEM INTEGRITY.
CHANNEL 024 TAILGATE INNER X J12109
FILTER TYPE: 08DAS-111 RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

PAGE 039
OF 046

DATA SET 05/21/97BI
ERRATA 1



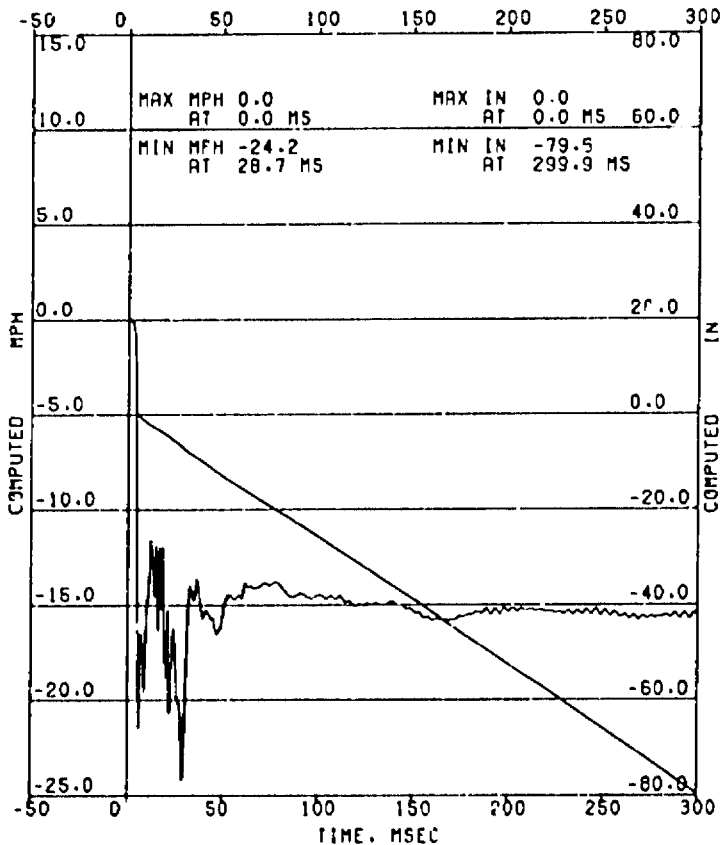
VC08442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJ5642
1998 FAY59 301. FUEL SYSTEM INTEGRITY.
CHANNEL 024 TAILORATE INNER X J12109

PAGE 040
OF 046

FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28.1997

DATA SET 05/21/97BI
ERRATA 1

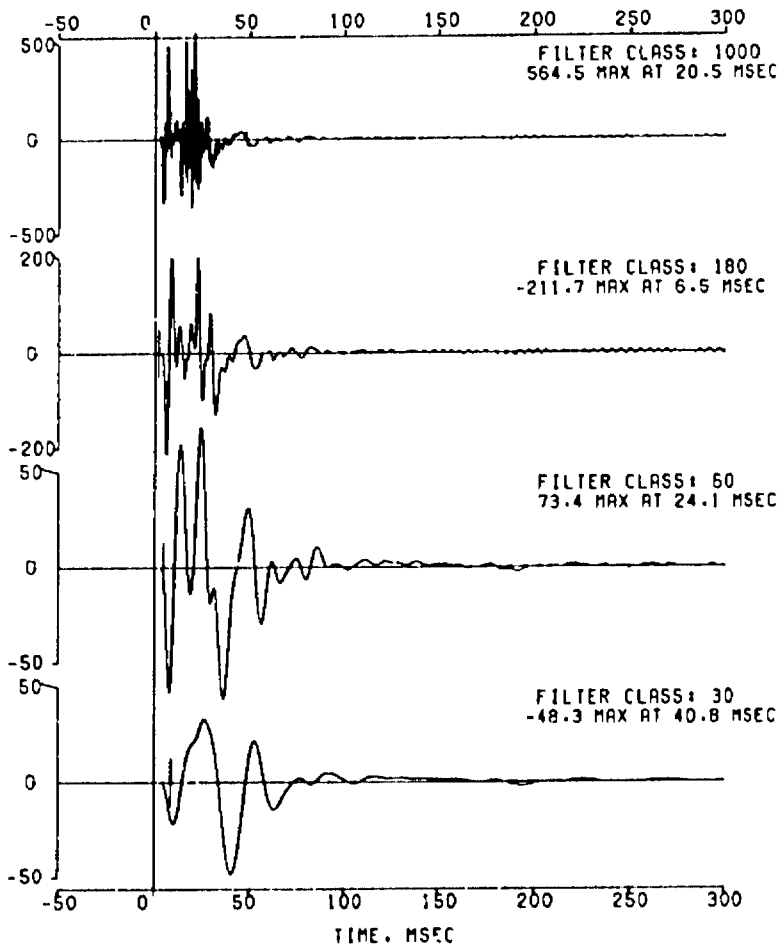


COMPUTED MPH
COMPUTED IN

VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1998 FVSS 301, FUEL SYSTEM INTEGRITY.
CHANNEL 025 TAILGATE INNER Y J15493
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

PAGE 041
OF 046

DATA SET 05/21/97B1
ERRATA 1



VC06442 30 MPH TYPE IV REAR IMPACT. *JJ-77. 4.0L ITEM 1J6642
1998 FVSS 301. FUEL SYSTEM INTEGRITY.

PAGE 042
OF 046

CHANNEL 026 TAILGATE INNER Z J15463

FILTER TYPE: 08DAS-111 RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

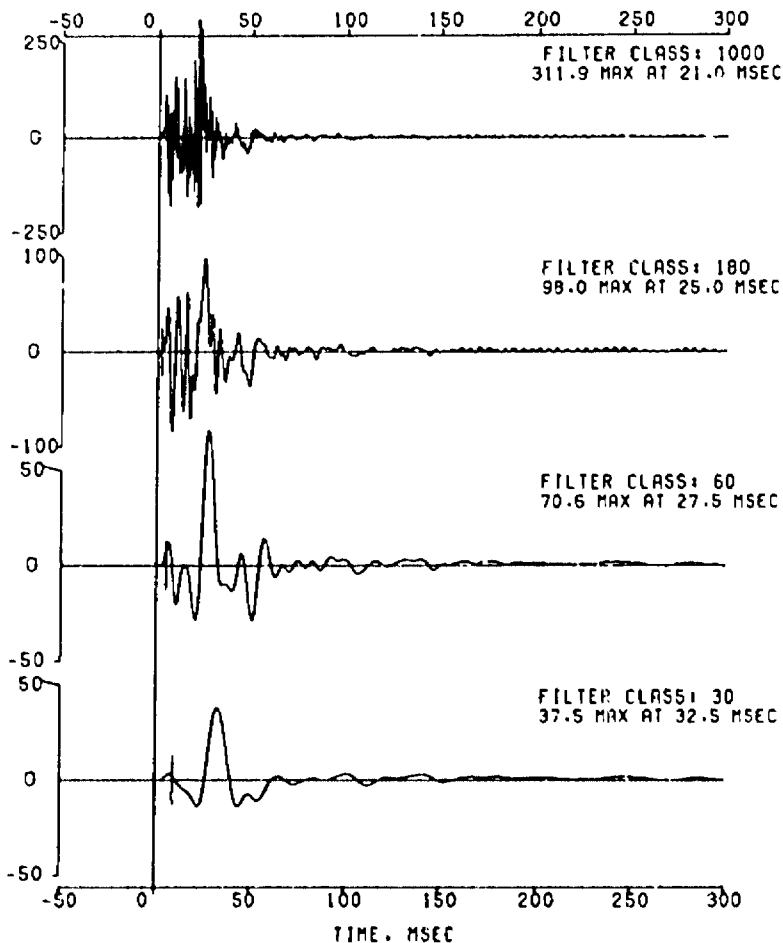
IMPACT ANALYSIS DEPT. 532U

DATA SET 05/21/97B1

MAY 28.1997

ERRATA

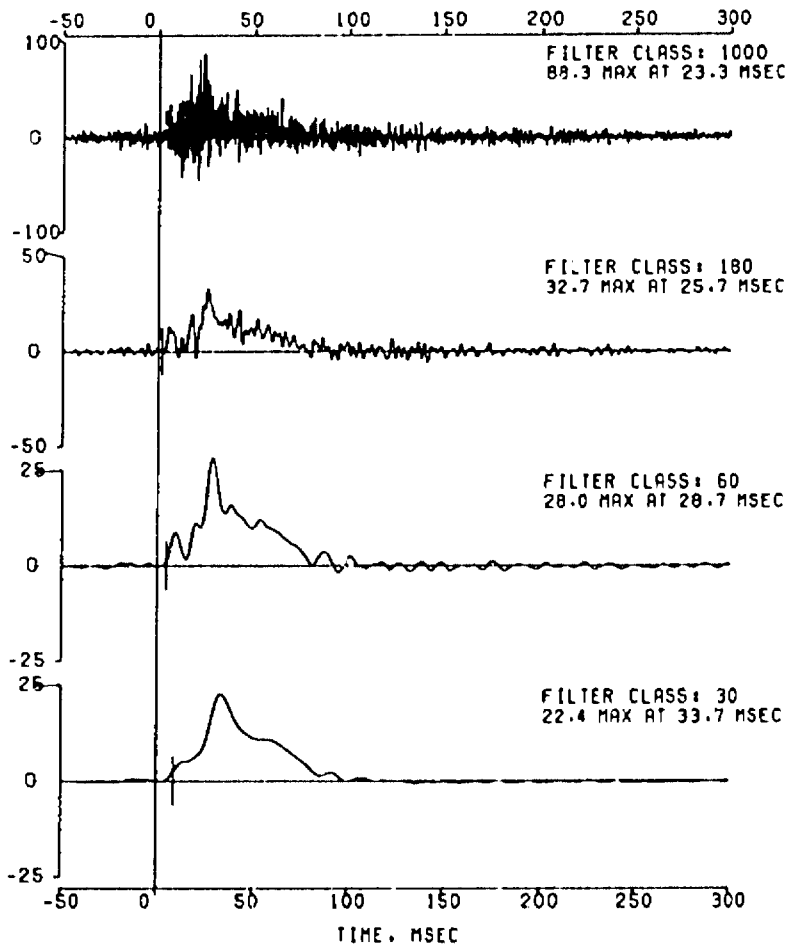
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VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJ5642
1998 FHV55 301. FUEL SYSTEM INTEGRITY.
CHANNEL 027 LT RAIL MBAR MID X 277215
FILTER TYPE: OBDAS-111 RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DCPT. 5320
MAY 28.1997

PAGE 043
OF 046

DATA SET 05/21/97B1
ERRATA 1



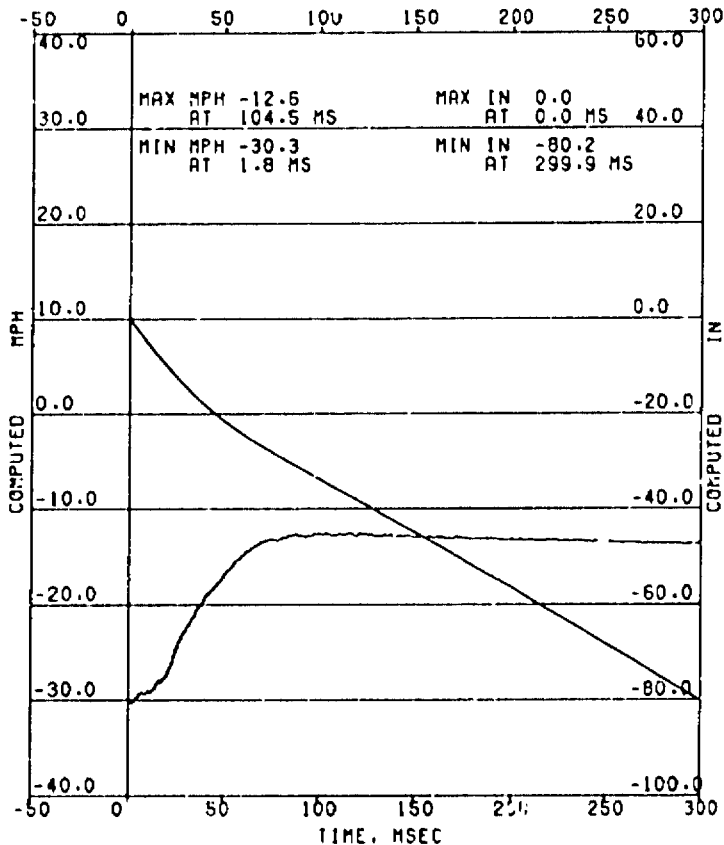
YCD6442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJS642
1998 FMY55 301. FUEL SYSTEM INTEGRITY.
CHANNEL 027 LT RAIL HBAR MID X 277215

PAGE 044
OF 046

FILTER TYPE: 08DAS-111 RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

DATA SET 05/21/97B1
ERRATA 1

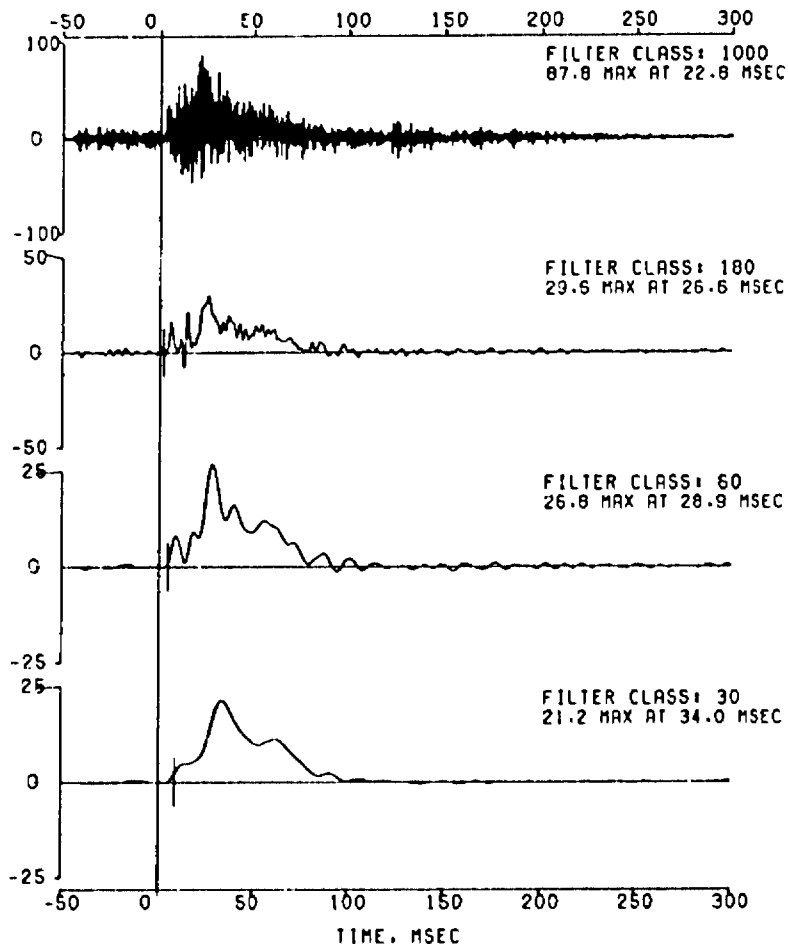


COMPUTED MPH
COMPUTED IN

VC06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJ5642
1998 FMYSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 02B RT RAIL MBAR MID X 73947
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

PAGE 045
OF 046

DATA SET 05/21/97B1
ERRATA 1



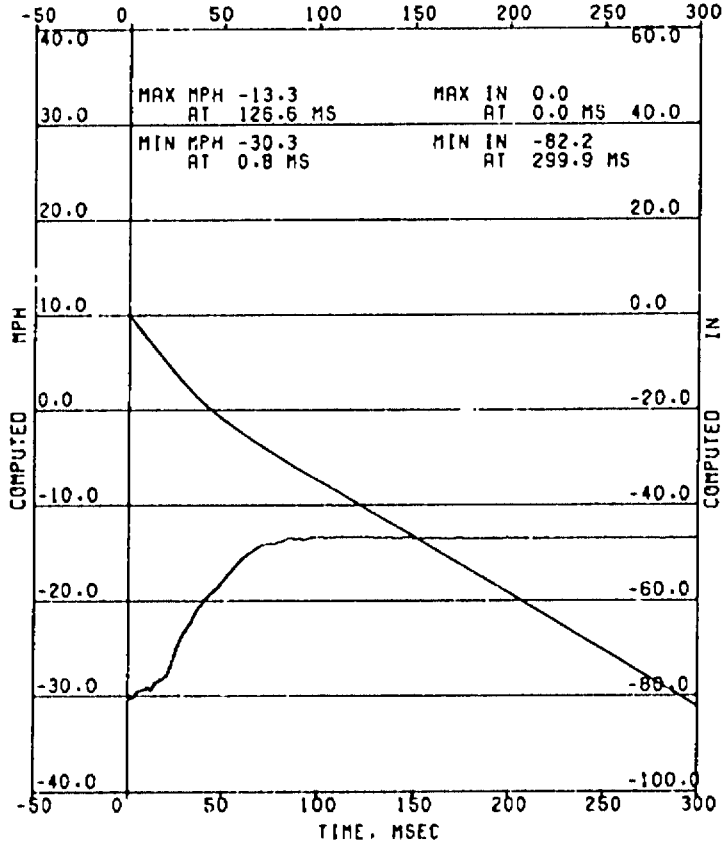
VC06442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5642
1898 FAYSS 301, FUEL SYSTEM INTEGRITY.
CHANNEL 028 RT RAIL MBAR MID X 73947

PAGE 046
OF 046

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28, 1997

DATA SET 05/21/97BI
ERRATA 1



COMPUTED MPH
COMPUTED IN

INTEK COMPANY CORRESPONDENCE

DATE 07/29/97

TO
DISTRIBUTIONFROM
A. D. CARLISLEDEPARTMENT
5320 PLANT/OFFICE
CTCCIMS NUMBER
481-00-27

SUBJECT:

REAR DYNAMIC CRUSH ANALYSIS
 VC05442 30 MPH TYPE IV REAR IMPACT, TJJ-77, 4.0L ITEM TJ5542
 1998 FV55 301, FUEL SYSTEM INTEGRITY.
 TEST DATE 05/21/97

TEST PURPOSE PRIMARY, 1998 USA 301 COMPLIANCE.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED: 30.1 MPH
DAMAGE LOCATION: REAR
BARRIER TYPE: REAR TYPE IV
BARRIER SURFACE: PLYWOOD

VEHICLE BODY CLASS: TJ
CAR LINE: J
BODY: 77
ENGINE: 4.0 LITRE
ENGINE NOTE: ELECTRONIC FUEL INJECTION
TRANSMISSION: 3 SPEED AUTO 4x4
TRANS. NOTE:
VIN AS TESTED: 1J4FY49S1WP MOD.
VIN AS BUILT: 1J4FY49S1WP MOD.

TEST SPEED 30.2 MPH BY ELECTRONIC TRAP.

TEST WEIGHT (LBS) 4211 TOTAL, 2176 FRONT, 2035 REAR

OCCUPANTS LEFT FRONT, HYB II, UNINSTRUMENTED. AD-63
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED. AD-65
RESTRAINT-UNIBELT ONLY.

BUILD CONDITION 1998 TJ WRANGLER CI PILOT VEHICLE.
TESTED AS BUILT WITHOUT MODIFICATIONS.
AUTOMATIC TRANS, 4.0L ENGINE, "SAHARA" PACKAGE,
19.0 GALLON FUEL TANK.
FULL REAR BUMPER.
FULL SIZE SPARE, 15X30, ON AL. RIMS.

TARGET WEIGHT (LBS) 3665 TOTAL, 1779 FRONT, 1886 REAR, REP MAX OPT WT.
DOES NOT INCLUDE OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 18.5 GALLONS OF STANDARD SOLVENT.
200 LBS OF LUGGAGE BALLAST IN REAR FOOTWELLS.
100 LBS OF BALLAST SECURED TO LF FLOORPAN.

TEST VC05442 07/29/97 13.07 PAGE 1 OF 2

POST TEST REMARKS LEFT SILL IS DISTORTED.

DYNAMIC CRUSH, PITCH, AND REAR WHEEL MOTION RELATIVE TO THE FRONT SILL HAVE BEEN DETERMINED BY FILM ANALYSIS. TIME WAS BASED ON CAMERA TIMING DATA.

DYNAMIC CRUSH 16.8 ±OR- 1 INCH AT 57. ±OR- 5 MSEC.

C. M. Durst

C. M. DURST

Bryan D. Carlisle

B. D. CARLISLE

GRAPHS - 4

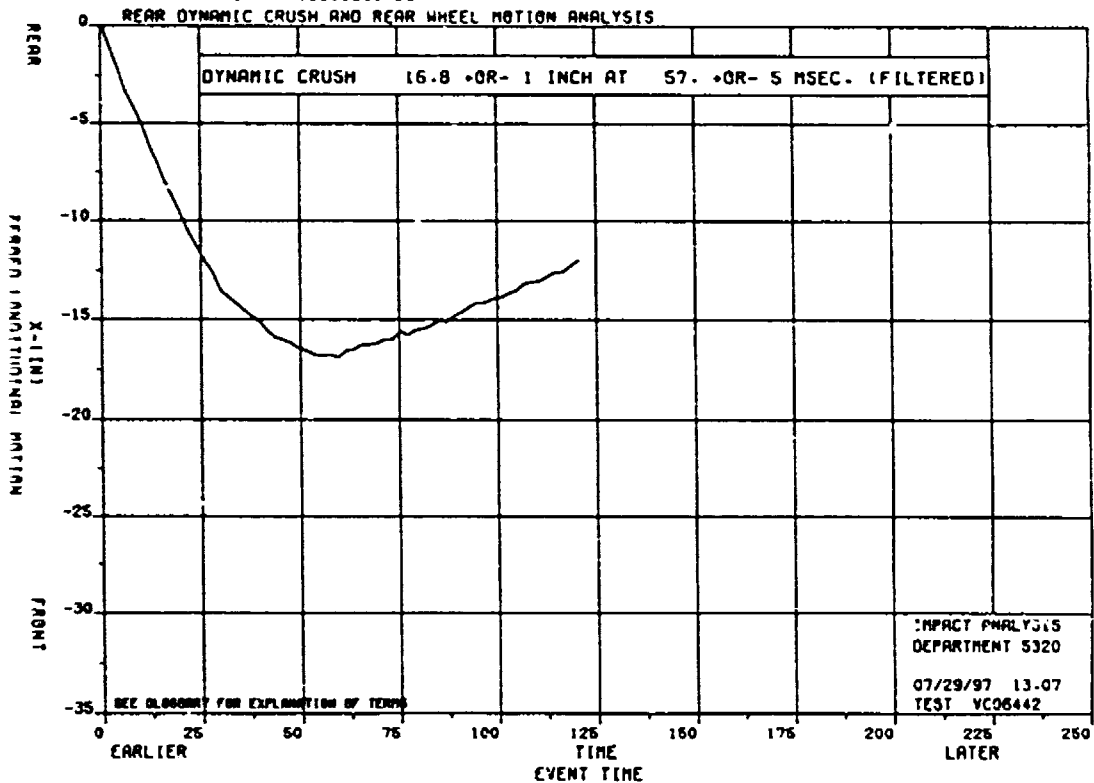
GLOSSARY OF TERMS
USED IN STANDARD REPORTS

AD	ANTHROPOMORPHIC DEVICE
ATD	ANTHROPOMORPHIC TEST DEVICE
BASE COORD	BASE COORDINATE SYSTEM
C/L	CENTERLINE
CAR COORD	CAR COORDINATE SYSTEM
CCW	COUNTER CLOCKWISE
CORR-IN	SEPARATION IN INCHES (MINUS INITIAL LENGTH)
CORR-MM	SEPARATION IN MM (MINUS INITIAL LENGTH)
CORR-P	CORRECTED (ZEREO) PITCH
CORR-R	CORRECTED (ZEREO) ROLL
CORR-Y	CORRECTED (ZEREO) YAW
CM	CLOCKWISE
EFI	ELECTRONIC FUEL INJECTOR
ENG	ENGINE
ENOPY	ENGINE PITCH AND YAW
FESH	FRONT END SHEET METAL
FIDUCIAL	REFERENCE POINT OR TARGET
FB	FRONT SILL TARGET
FWD	FORWARD
IP	INSTRUMENT PANEL TARGET
LOS	LOSING
LCP,LOP	LEFT C-POST & QUARTER PANEL TARGETS
LFS,LAS,LRS	LEFT FRONT SILL, MID SILL, & REAR SILL TARGETS
LT	LEFT
MS	MID SILL TARGET
NORMALIZE	PUT ON A COMMON BASIS
NOSE-DOWN	LEADING END BELOW TRAILING
NOSE-UP	LEADING END ABOVE TRAILING
PERF	PERFORMANCE
REF	REFERENCE
REL	RELATIVE TO (ONE-DIMENSIONAL)
RF,ROP	RIGHT C-POST & QUARTER PANEL TARGETS
RFS,RMS,RRS	RIGHT FRONT, MID, & REAR SILL TARGETS
ROLL-LEFT	LEFT SIDE LOWER THAN RIGHT
ROLL-RIGHT	RIGHT SIDE LOWER THAN LEFT
RS	REAR SILL TARGET
RT	RIGHT
SEP	SEPARATION OF (THREE-DIMENSIONAL)
SYS	SYSTEM
TBI	THRITTLE BODY INJECTOR
TIME,MS	TIME IN MILLISECONDS
U/B	UNDERBODY
VS	VERSUS
X	LONGITUDINAL AXIS (INCREASING TOWARD TRAILING EDGE)
XF	X-FILTERED
Y	LATERAL AXIS (INCREASING TO THE RIGHT)
YAW-LEFT	LEADING EDGE TO LEFT
YAW-RIGHT	LEADING EDGE TO RIGHT
Z	VERTICAL AXIS (INCREASING UPWARD)
ZEREO	SHIFTED TO START AT ZERO
ZERO-IN	ZEREO INCHES
ZERO-MM	ZEREO MILLIMETERS

IMPACT ANALYSIS
DEPARTMENT 5300

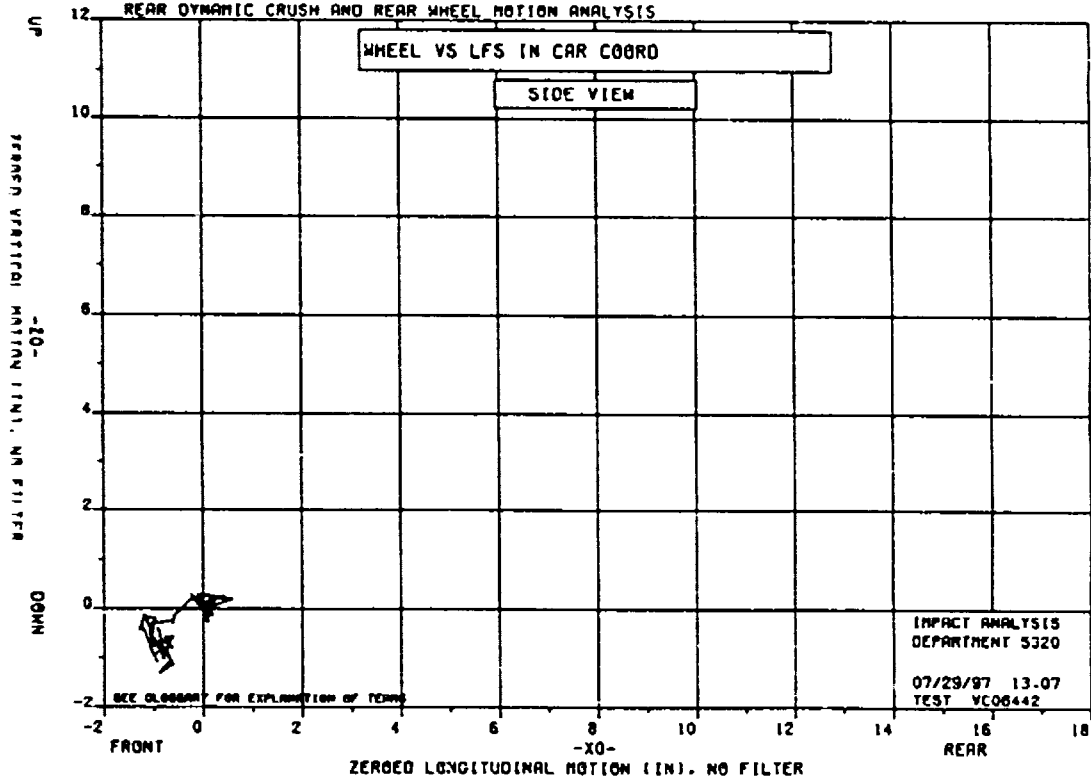
C06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJS642
998 FMVSS 301. FUEL SYSTEM INTEGRITY.

ZEROED X MOTION OF F3 REL TO LFS IN BASE COORD SYS
VERSUS TIME IN MILLISECONDS



C06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJS642
998 FVSS 301. FUEL SYSTEM INTEGRITY.

ZERGED Z OF WHEEL RELATIVE TO LFS IN CAR COORD
VERSUS ZEROED X OF WHEEL RELATIVE TO LFS IN CAR COORD
REAR DYNAMIC CRUSH AND REAR WHEEL MOTION ANALYSIS

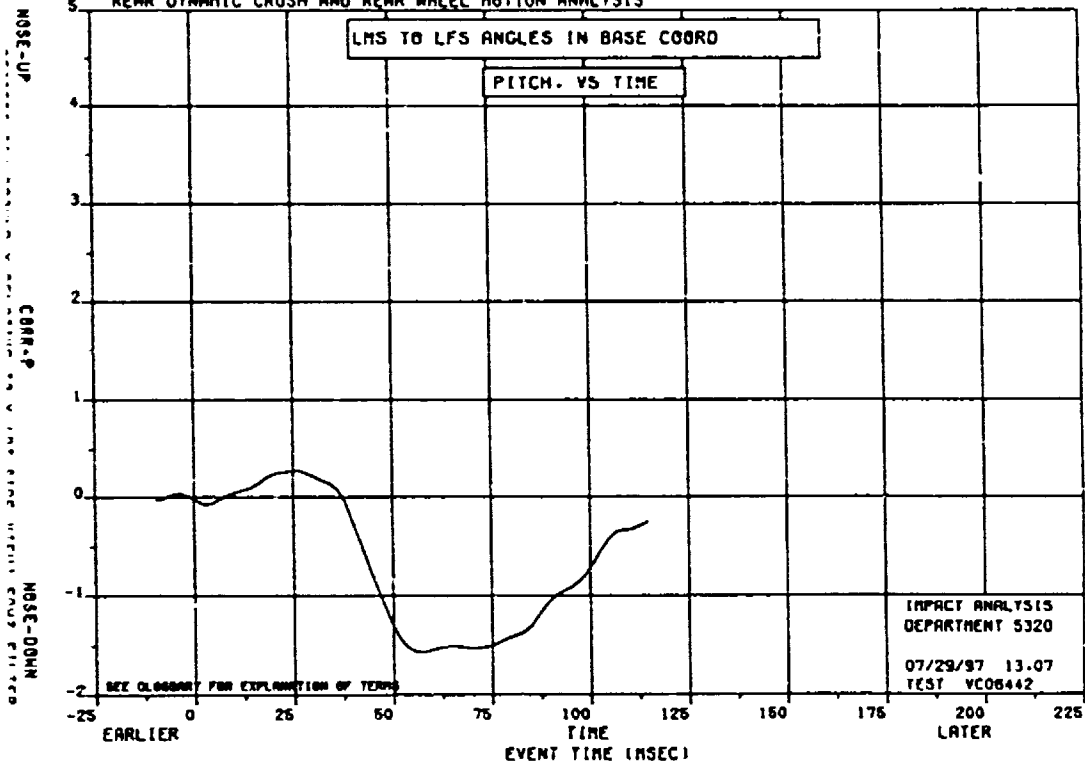


ZERGED LONGITUDINAL MOTION (IN). NO FILTER

06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4-OL ITEM TJS642
198 FHVSS 301. FUEL SYSTEM INTEGRITY.

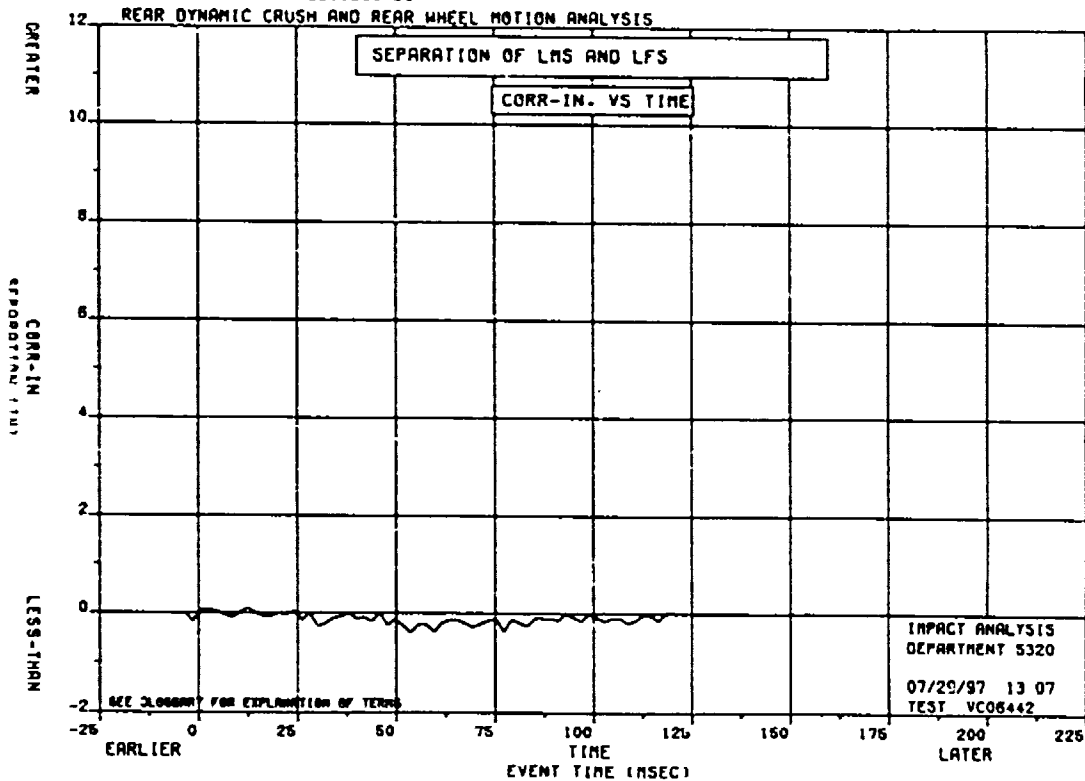
ZEROED PITCH OF LMS TO LFS IN BASE COORD SYSTEM
VERSUS TIME IN MILLISECONDS

REAR DYNAMIC CRUSH AND REAR WHEEL MOTION ANALYSIS

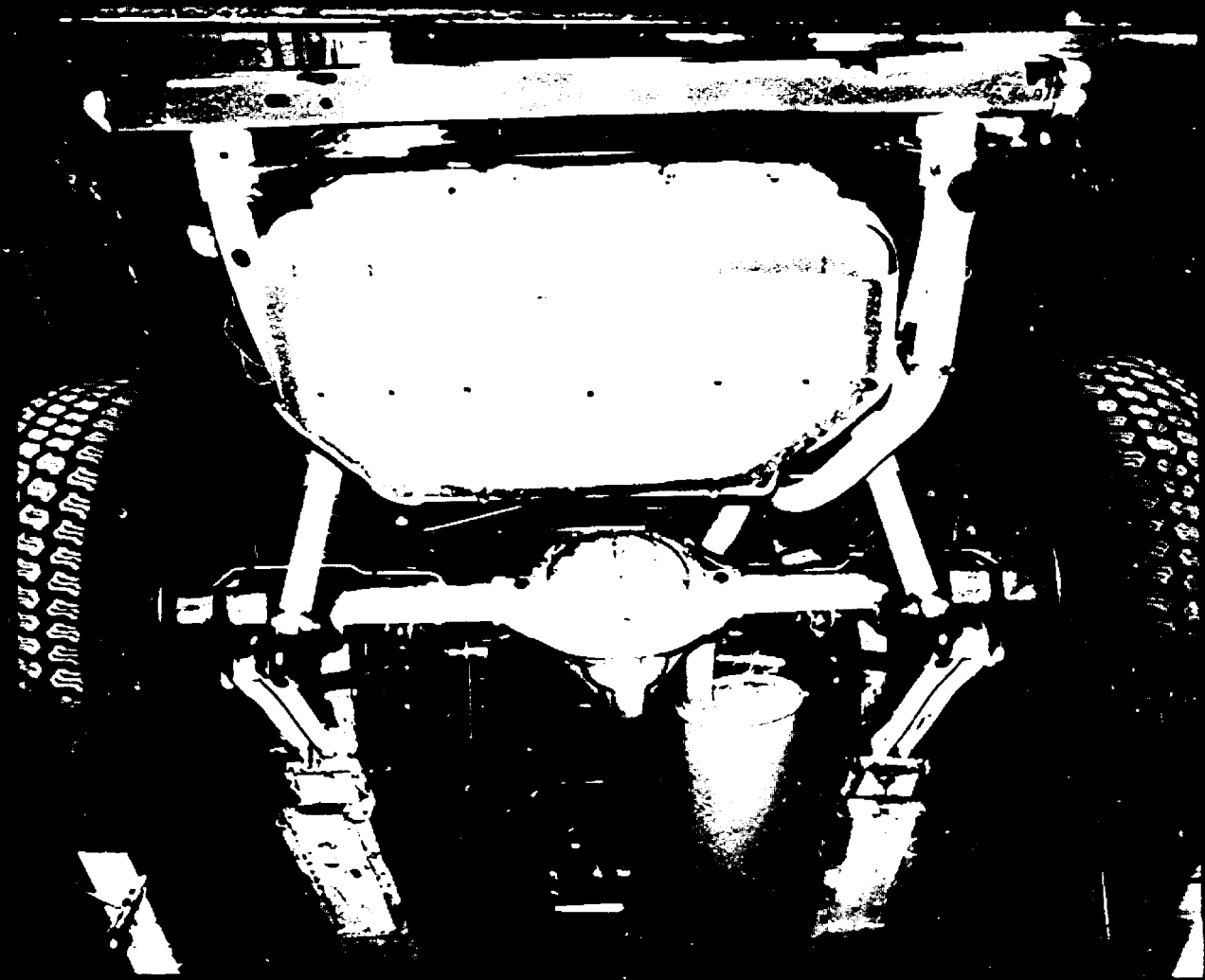


C06442 30 MPH TYPE IV REAR IMPACT. TJJ-77. 4.0L ITEM TJS642
998 FMVSS 301. FUEL SYSTEM INTEGRITY.

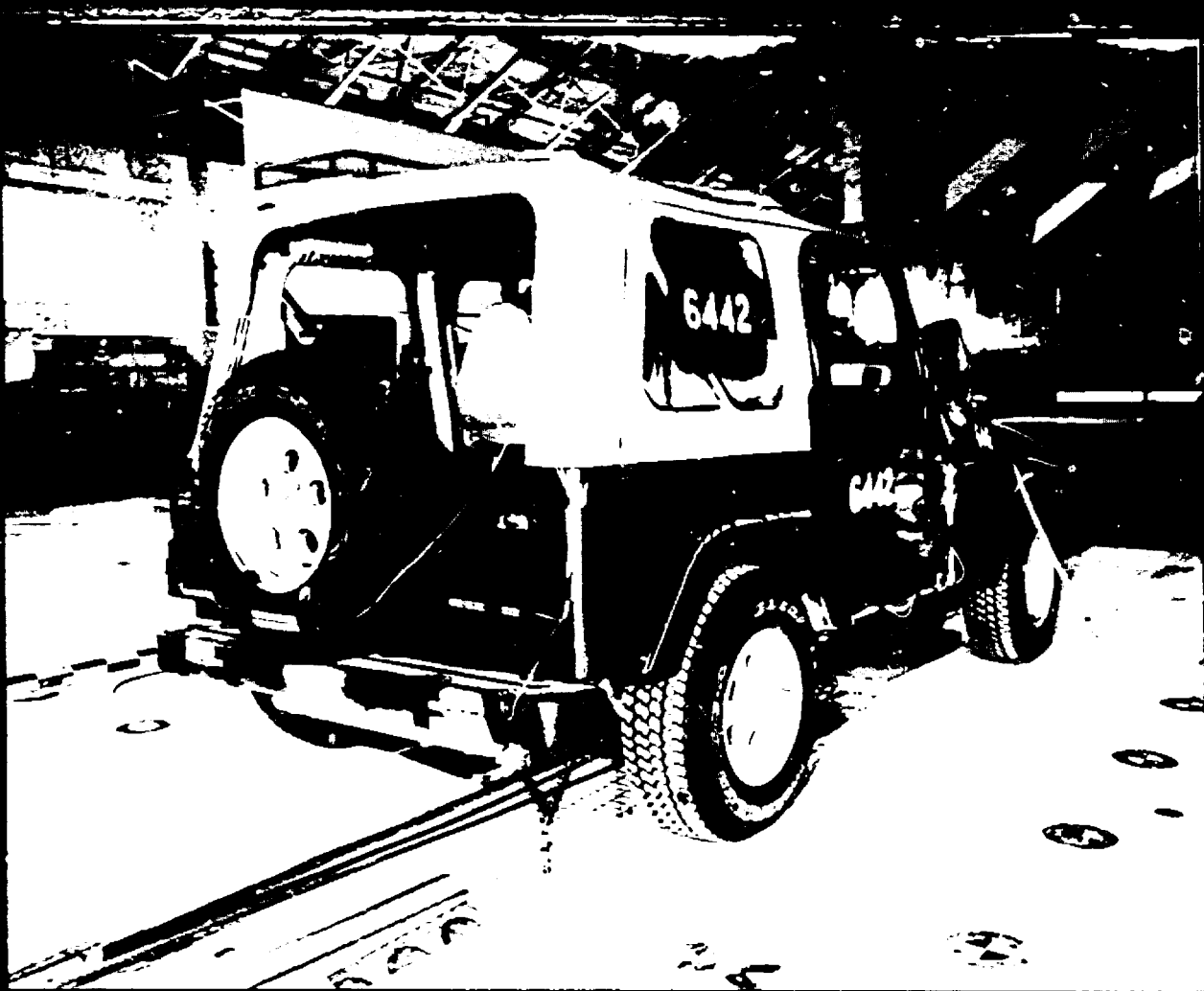
LMS TO LFS DISTANCE -23.95 INCHES (INITIAL DIST) (IN)
VERSUS TIME IN MILLISECOND









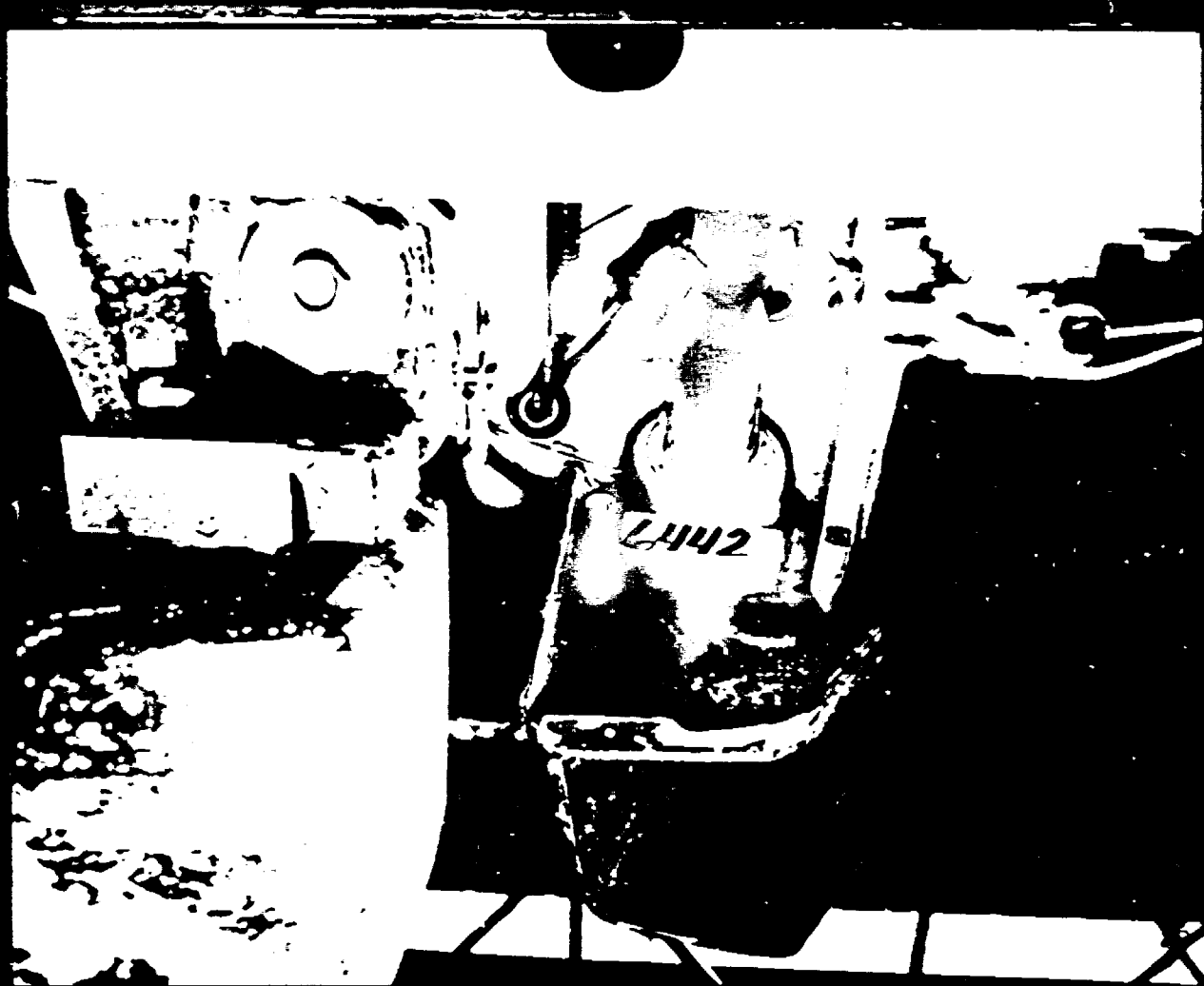




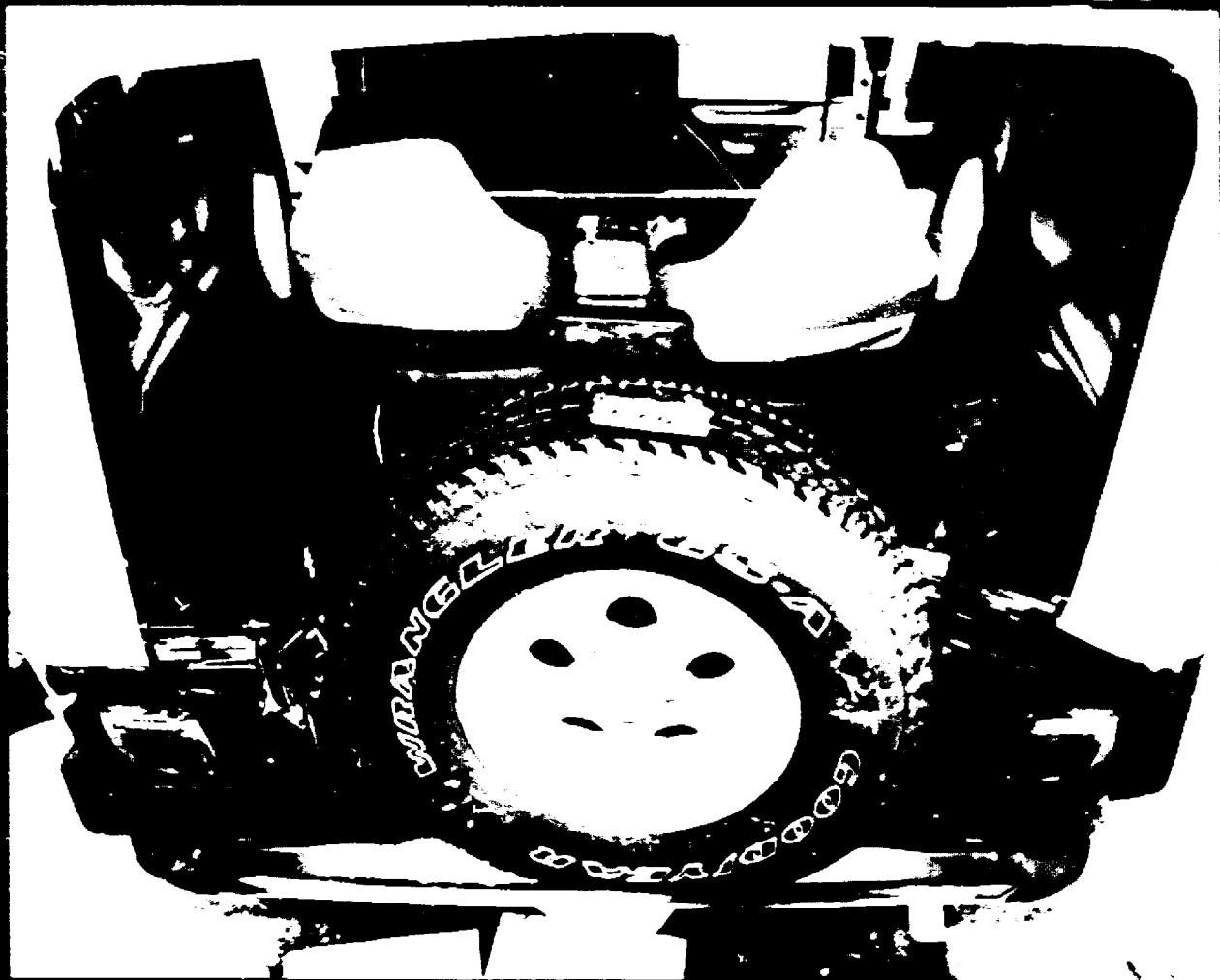
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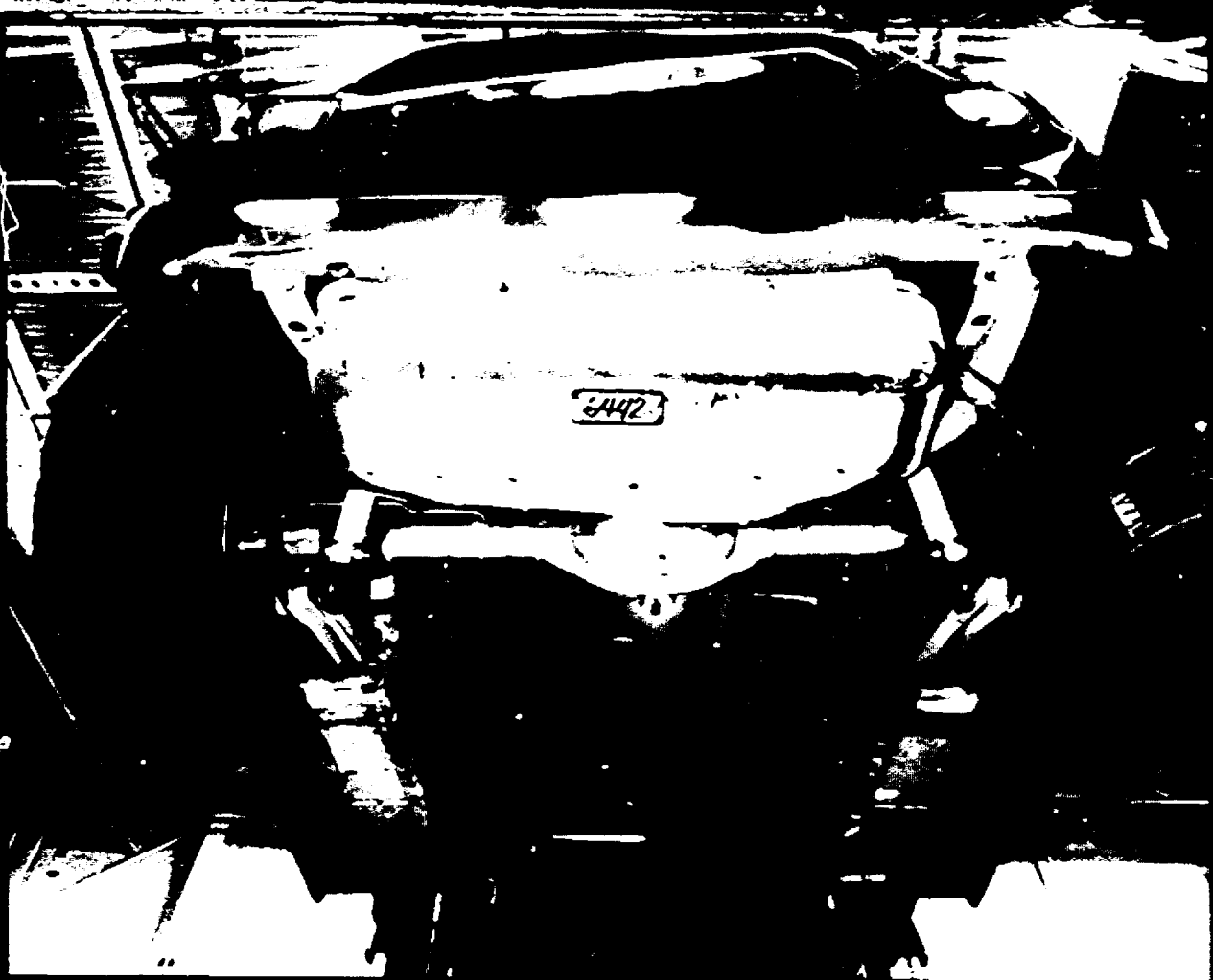
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8



442







6442

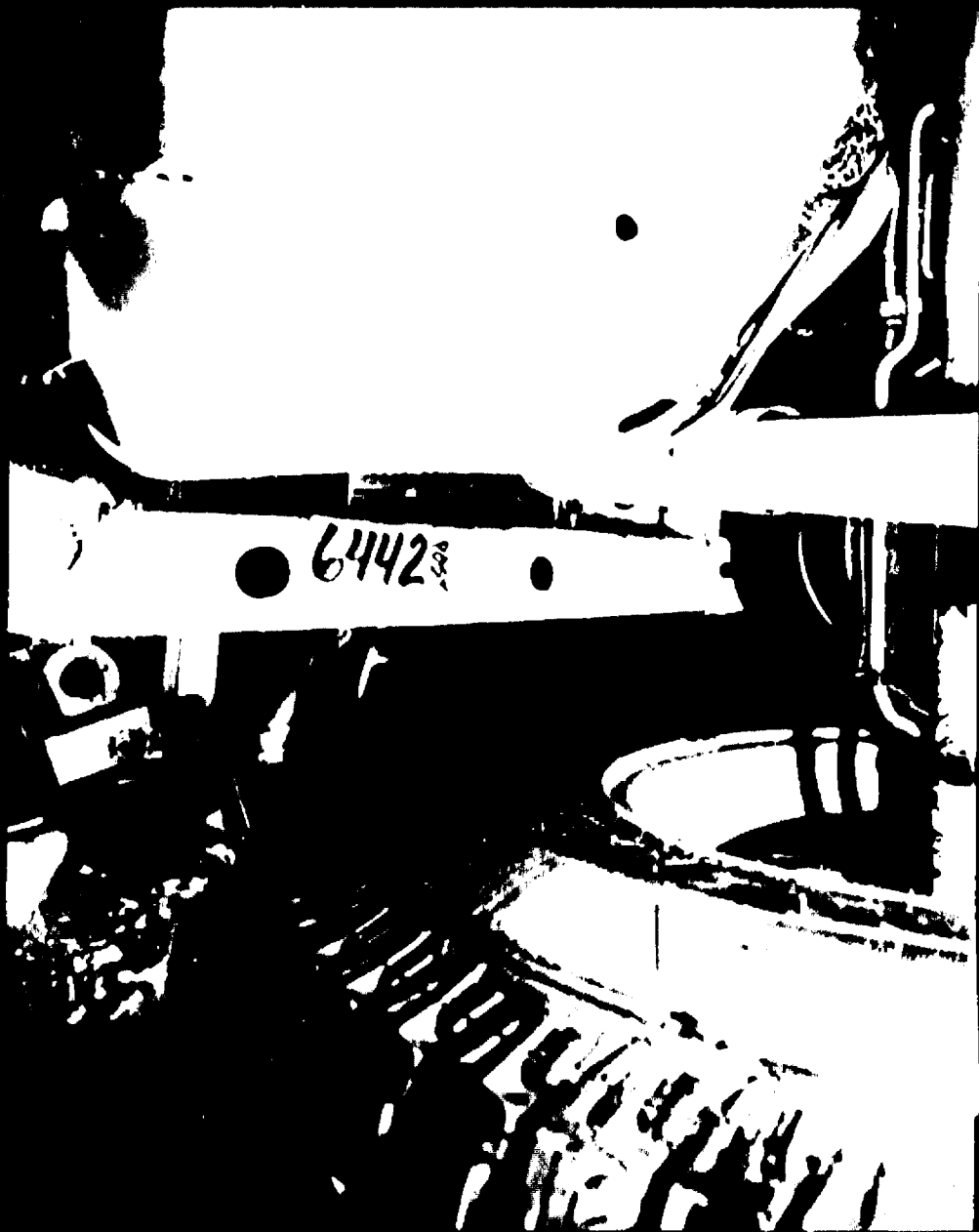
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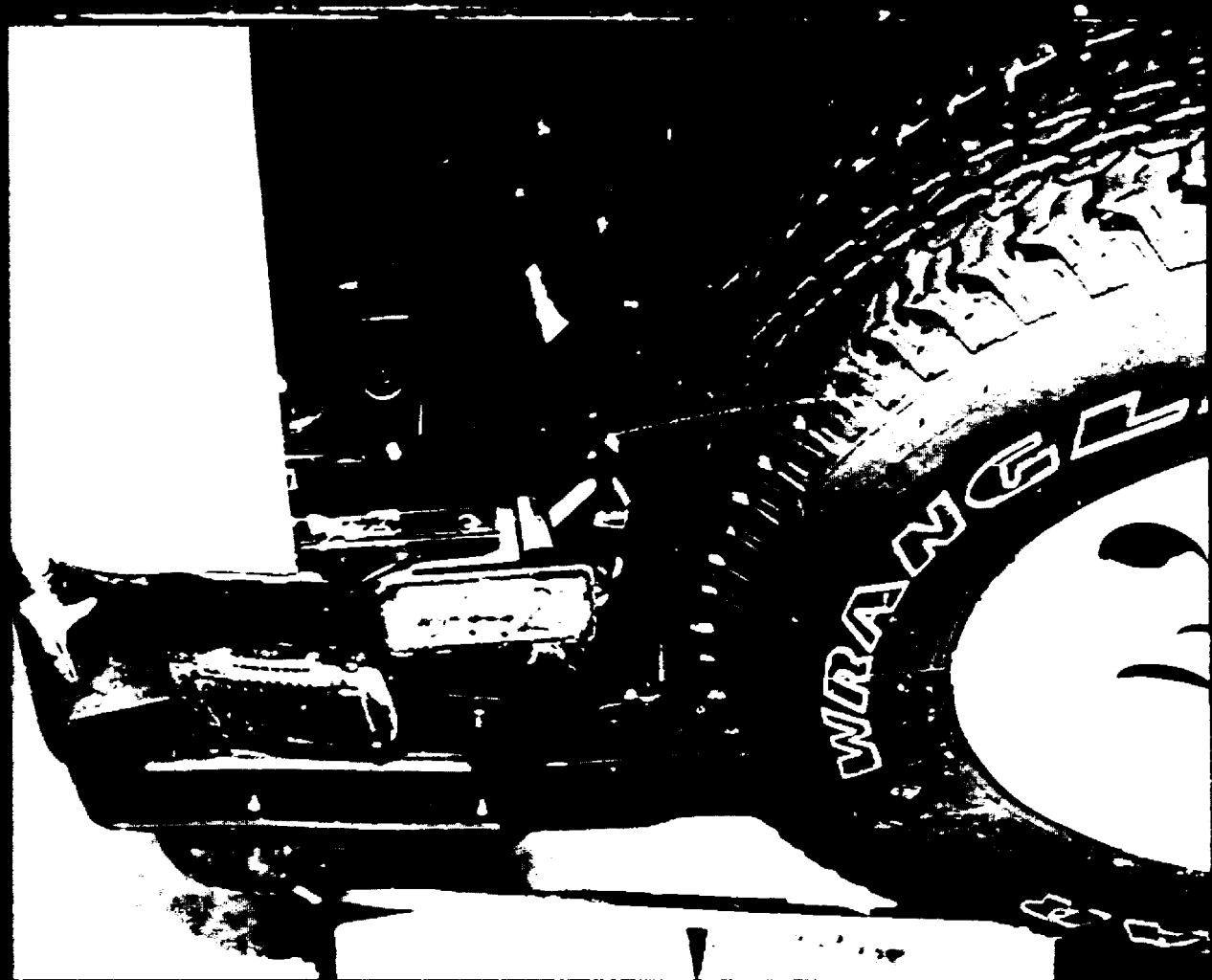
6442













NLR

Retrieval Methods Inc.
1142 E. Big Beaver Rd.
Troy, MI 48083

Declaration of Intent and Purpose

I Christine Charboneau

Employed by Retrieval Methods Inc., do hereby declare that the records microfiched herein are actual records of DaimlerChrysler Corp. created during its normal course of business and that it is the express intent and purpose of this organization to return all original records microphotographed herein.

Date: 7/6/00

Microfiche Operator: Christine Charboneau

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

1997 - 2006 Wrangler (TJ)

Compliance

VC06888



6888



6888

6888



6888

GOODYEAR

WR

6888

DYEA R



6888



6888



6888



6888



68888

CHRYSLER
11 100

72



6888





6888

18.5 VC-
GALLONS
S.S. 6888



8889

6888



6872

6888

6888

6888

18.5
GALLONS
M.M

VC.

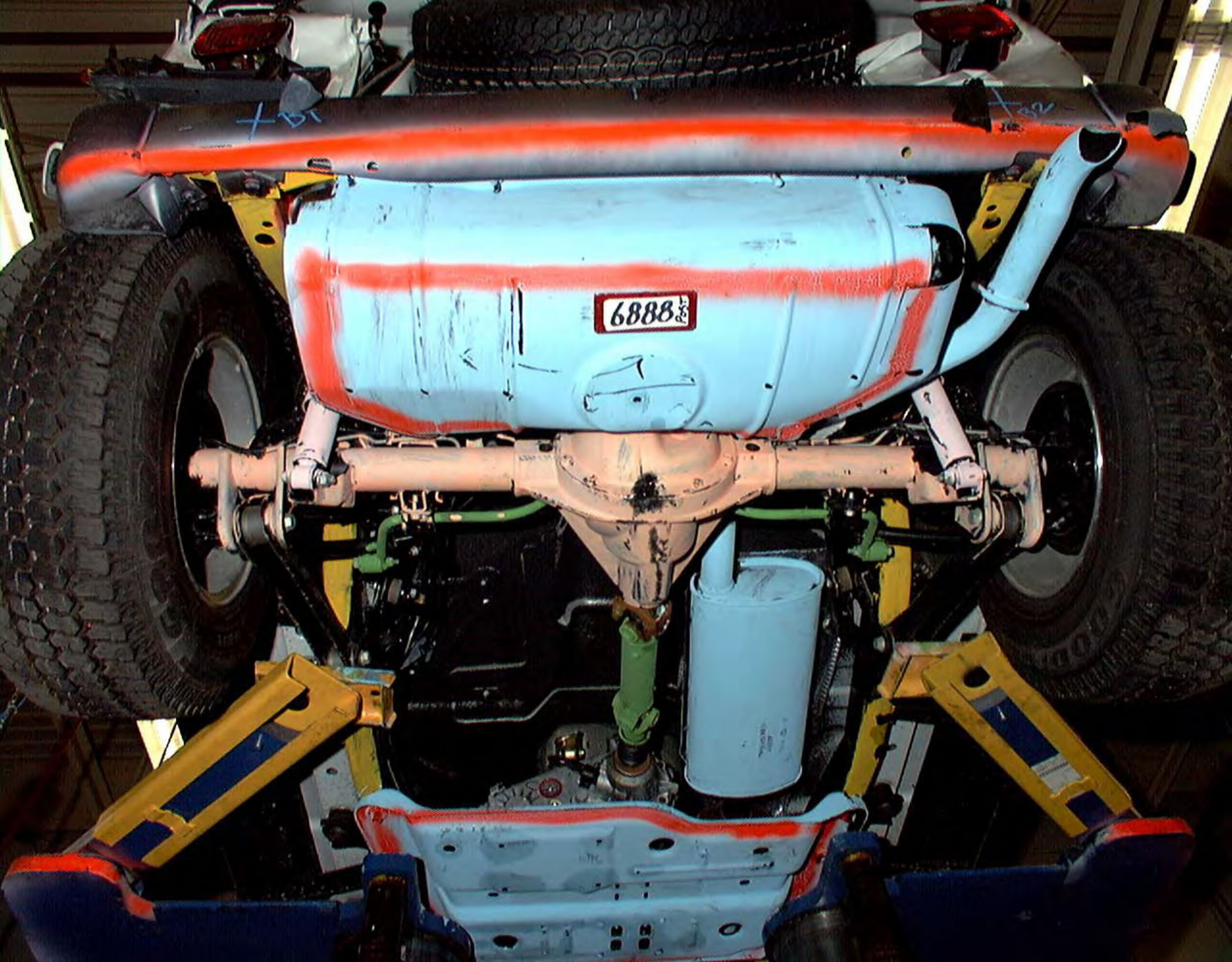
68888



THIS SYSTEM HAS BEEN...
TO SOLVENT AND...
DATE: 3/24/...
BY: ...







6888



6888 Post



6888

WRANGLER

GS-A

Goodyear

302

6888 Post



6888 Post



6888



6888



6888

18.5

GALLONS
M.M

VC

68888

THIS SYSTEM HAS BEEN...
BY...
3/24/...
BY...





6888

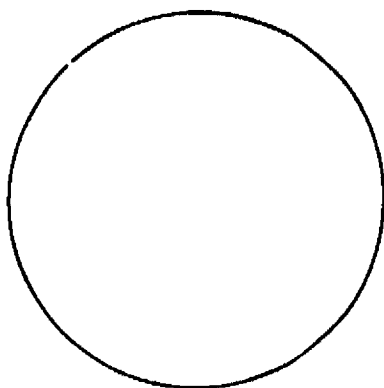
6888

6888

24.08

18.5 GALLONS SS 6888





150mm

150mm

POINT SIZE

4
6
8
10
12
14

2ibj Gmn0c
1355o E1f9g

7n34a K2b8t
D6tmh 9ss9d
Wcuzl l1edg
6Y3sl Okjdg

FUTURA

NEWS GOTHIC

14
12
10
8
6
4

K2Lot Okjdg
4ef8k Gmn0c

Z1o6x Ge92
7n34a 6Y3sl

Y0r8j A7o7q
Celfv 2xbyj

Wcuzl l1edg
6Y3sl Okjdg

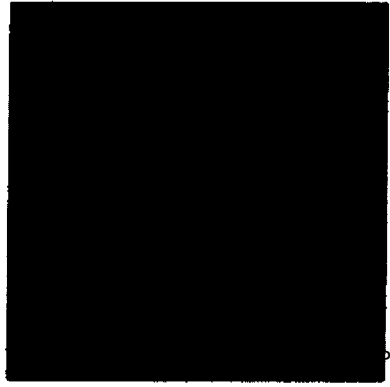
POINT SIZE

1.0 1.1 1.25 1.4 1.6 1.8 2.0 2.2 2.5 2.8 3.2 3.6 4.0

4
6
8
10
12
14

EMBO MERN AYANG SDOO
VILNU MZHSF 1% BO MNERH
126FRM EBTAU FJDM BOOMF
M-C9E83 B1BAJ Z 7QYI OKJDG

SERIF (BASKERVILLE) SIZE SANS SERIF (MICROFONT)



Retrieval Methods Inc.
1142 E. Big Beaver Rd.
Troy, MI 48083

Declaration of Intent and Purpose

I Christine Irwin

Employed by Retrieval Methods Inc., do hereby declare that the records microfiched herein are actual records of DaimlerChrysler Corp. created during its normal course of business and that it is the express intent and purpose of this organization to return all original records microphotographed herein.

Date: 06-13-02

Microfiche Operator Christine Irwin

**SAFETY TEST
VEHICLE CRASH TEST LETTER**

PAGE 01

VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
TEST DATE 03/31/98

TEST PURPOSE	PRIMARY, 1999 USA 301 COMPLIANCE. DETERMINE FUEL SYSTEM INTEGRITY.	
	PRIMARY, 1999 TRIAS 33 COMPLIANCE. DETERMINE FUEL SYSTEM INTEGRITY.	
IMPACT TYPE	TARGET SPEED; 30.0 MPH DAMAGE LOCATION; REAR BARRIER TYPE; REAR TYPE IV BARRIER SURFACE; PLYWOOD	
VEHICLE	BODY CLASS; TJ CAR LINE; J BODY; 77 ENGINE; 4.0 LITRE ENGINE NOTE; ELECTRONIC FUEL INJECTION TRANSMISSION; 3 SPEED AUTO 4x4 TRANS. NOTE; VIN AS TESTED; 1J4FY49S0XK [REDACTED] VIN AS BUILT; 1J4FY49S0XK [REDACTED]	MOD. MOD.
TEST SPEED	30.3 MPH BY ELECTRONIC TRAP.	
TEST WEIGHT (LBS)	4161 TOTAL, 2108 FRONT, 2053 REAR	
OCCUPANTS	LEFT FRONT, HYBRID II, BALLAST RESTRAINT-BELTED RIGHT FRONT, HYBRID II, BALLAST RESTRAINT-BELTED	AD-52 AD-61
BUILD CONDITION	1999 WRANGLER (TJ) C1 PILOT VEHICLE; NEW PRODUCTION INTENT TAILGATE STRIKER PIN AND BRACKET (PREVIOUSLY UNTESTED) 1999 PRODUCTION INTENT FRAME 'SAHARA' PACKAGE 19.0 GALLON FUEL TANK FULL-SIZED SPARE - 15" X 30" ALUMINUM WHEEL	
TARGET WEIGHT (LBS)	3633 TOTAL, 1760 FRONT, 1873 REAR REPRESENTS 4.0L, MAXIMUM OPTION WEIGHT DOES NOT INCLUDE LUGGAGE AND/OR OCCUPANTS	

**SAFETY TEST
VEHICLE CRASH TEST LETTER**

PAGE 02

VC06888 10 MPH REAR IMPACT, TJJ-77 ITEM TJ5794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
TEST DATE 03/31/98

FUEL AND BALLAST 18.5 GALLONS STODDARD SOLVENT
200 LBS OF LUGGAGE BALLAST.
75 LBS OF BALLAST SECURED TO RF FLOORPAN.
25 LBS OF BALLAST SECURED TO LF FLOORPAN.

POST TEST REMARKS LEFT SILL WAS DISTORTED.

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

DISTRIBUTION

S.J. TAYLOR	514-17-41 (AB)
D. HALE	514-15-67 (AB)
M.T. STEBELTON	422-05-01 (AB)

DATE 03/31/98

TIME 14.12.40.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 06

ITEM TJ5794 CHARGE NO. COMPLIANCE ISSUE DATE 19-MAR-97

VC 30 MPH REAR IMPACT, TJJ-77
1999 FMVSS 301 & TRIAS 33 COMPLIANCE

TEST DATE

03/31/98

ENGINEER

C. J. J. J.

SPEED 30.0 MPH

SOURCE

TEST PURPOSE

PRIMARY, 1999 USA 301 COMPLIANCE.
DETERMINE FUEL SYSTEM INTEGRITY.

PRIMARY, 1999 TRIAS 33 COMPLIANCE.
DETERMINE FUEL SYSTEM INTEGRITY.

IMPACT TYPE

TARGET SPEED; 30.0 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE

BODY CLASS; TJ
CAR LINE; J
BODY; 77
ENGINE; 4.0 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 3 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4FY49S0XP MOD.
VIN AS BUILT; 1J4FY49S0XP MOD.

BUILD CONDITION

1999 WRANGLER (TJ) C1 PILOT VEHICLE;
NEW PRODUCTION INTENT TAILGATE STRIKER PIN AND
BRACKET (PREVIOUSLY UNTESTED)
1999 PRODUCTION INTENT FRAME
'SAHARA' PACKAGE
19.0 GALLON FUEL TANK
FULL-SIZED SPARE - 15" X 30" ALUMINUM WHEEL

TARGET WEIGHT (LBS)

3633 TOTAL, 1760 FRONT, 1873 REAR
REPRESENTS 4.0L, MAXIMUM OPTION WEIGHT
DOES NOT INCLUDE LUGGAGE AND/OR OCCUPANTS

TEST WEIGHT (LBS)

4161 TOTAL, 2108 FRONT, 2053 REAR

FUEL BALLAST

18.5 GALLONS STODDARD SOLVENT

LUGGAGE BALLAST

200 LBS BALLAST IN REAR FOOTWELLS
PLACE NO BALLAST ON REAR WHEELHOUSE SHEET METAL

POST TEST REMARKS

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 06

OTHER BALLAST

175" RE Occupants
25" CI Occupants

OCCUPANTS

LEFT FRONT, HYBRID II, BALLAST
RESTRAINT BELTED
RIGHT FRONT, HYBRID II, BALLAST
RESTRAINT BELTED

AD NO. _____

AD NO. _____

MECHANICAL REQ

TARGET VEHICLE PER PREVIOUS TEST PHOTOGRAPHS
(SEE VC 6728)
MEASURE VEHICLE ATTITUDE PRE & POST BUILD-UP,
AND ADJUST ACCORDINGLY
REMOVE RIGHT REAR WHEEL WELL SPLASH GAURD TO
VIEW FILL AND VENT TUBES
PAINT REAR SUSPENSION, FRAME, FUEL TANK, FILL AND
VENT TUBES
PRESSURE CHECK FUEL SYSTEM PRE TEST WITH PUMP ON
FUEL PUMP TO BE RUNNING BEFORE AND DURING TEST
ROLL-OVER POST TEST

INSTRUMENTATION REQ ACCELEROMETER LOCATIONS AND REQUIREMENTS PER

PREVIOUS TEST PHOTOGRAPHS (SEE VC 6728)
HYBRID II BALLAST DUMMIES
ADD CONTACT SWITCHES AT:
REAR BUMPER, RIGHT AND LEFT SIDES
TAILGATE SHEET METAL, RIGHT AND LEFT SIDES
INSURE AIRBAGS DO NOT FIRE

PHOTOGRAPHIC REQ

1 LEFT-SIDE OVERALL CAMERA
1 PIT CAMERA FOR FULL UNDER-BODY VIEW
1 PIT CAMERA FOR CLOSE-UP OF FUEL TANK TO AXLE
1 PIT CAMERA FOR CLOSE-UP OF FILLER/VENT TUBE
1 PIT CAMERA FOR CLOSE-UP OF TRACK BAR BRACKET
1 LEFT-SIDE OVERALL HIGH-SPEED VIDEO
1 VELOCITY CAMERA
8 X 10 COLOR PHOTOS OF PRE & POST TEST
OVERALLS AND UNDERBODIES

FILM ANALYSIS

VEHICLE VELOCITY - ONLY IF REQUESTED
DYNAMIC CRUSH

REMARKS

TEST REQUEST WRITTEN BY STEVE TAYLOR
T/L 733-2489
SEND 1 COPY OF FILM & 1 COPY OF VIDEO TO:
S.J. TAYLOR CIMS 514-17-41

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 06

T. E. REPORT

FUEL SYSTEMS REPORT

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

DISTRIBUTION

S.J. TAYLOR	514-17-41	(AB)
D. HALE	514-15-67	(AB)
M.T. STEBELTON	122-05-01	(AB)

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 06

*****CHANGED 03/26/98 13.57 TAYLORSJ SUPPLEMENT 01

TEST PURPOSE

ADD PRIMARY, 1999 ADR 69 COMPLIANCE.
ADD DETERMINE FUEL SYSTEM INTEGRITY.

*****CHANGED 03/26/98 13.58 TAYLORSJ SUPPLEMENT 02

TEST PURPOSE

ADD

*****CHANGED 03/26/98 13.59 TAYLORSJ SUPPLEMENT 03

MECHANICAL REQ

MODIFY TARGET VEHICLE PER PREVIOUS TEST PHOTOS
TO READ TARGET VEHICLE PER PREVIOUS TEST PHOTOGRAPHS
ADD (SEE VC 6728)

INSTRUMENTATION REQ

MODIFY PREVIOUS TEST PHOTOGRAPHS
TO READ PREVIOUS TEST PHOTOGRAPHS (SEE VC 6728)

*****CHANGED 03/26/98 14.02 TAYLORSJ SUPPLEMENT 04

MECHANICAL REQ

DELETE PRESSURE CHECK FUEL SYSTEM POST TEST

*****CHANGED 03/27/98 08.09 TAYLORSJ SUPPLEMENT 05

TEST PURPOSE

DELETE
DELETE PRIMARY, 1999 ADR 69 COMPLIANCE.
DELETE DETERMINE FUEL SYSTEM INTEGRITY.

*****CHANGED 03/27/98 13.36 TAYLORSJ SUPPLEMENT 06

INSTRUMENTATION REQ

ADD INSURE AIRBAGS DO NOT FIRE

X, Y, Z DIMENSIONS

TEST NUMBER VC6888

TEST ENGINEER COLLINGS

ITEM NUMBER TJ5794 V.I.N. 1J4FY49S0XP [REDACTED] TEST DATE 2/21/88

TEST TYPE: 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

LOCATION	X	Y	Z	LOCATION	X	Y	Z
BC1	2.1	0.0	XXXX	BC2	XXXX	0.0	XXXX
B1			XXXX	B2			XXXX
		50-				50-	
LFS		50-				50-	
LMS		50-				50-	
LRA	1.1	50-				50-	
		50-				50-	

TRAMMEL DIMENSIONS:

LMS-LRS PRE 24.03 POST 24.03

Left S.II is distorted



FRONT SILL

X = 53.8
Y = -30.7
Z = 19.5

REAR SILL

X = 10.8
Y = -20.7
Z = 17.6

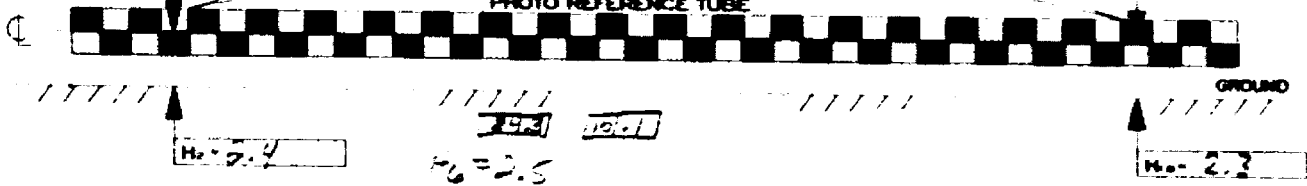
REAR AXLE

X = 1.9
Y = -22.2
Z = 14.7

TUBE COLOR Blue

120.4 141.2 113.0 94.6

PHOTO REFERENCE TUBE

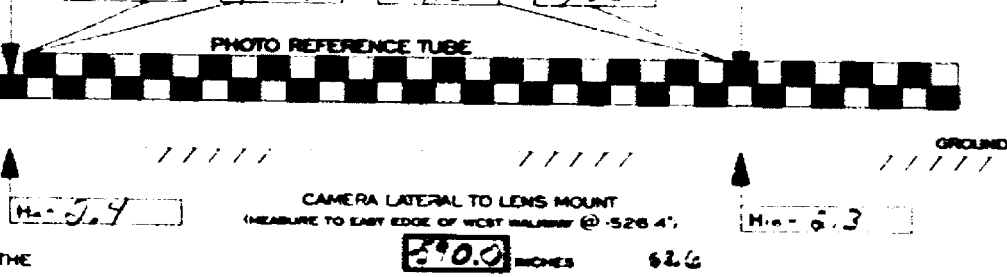


FORM JD

101.1 120.5 94.5 99.2

PHOTO REFERENCE TUBE

EA12-005 Pear - Chrysler - 01988

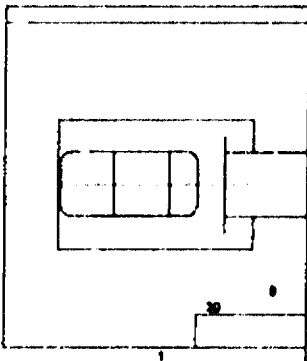


NOTES:

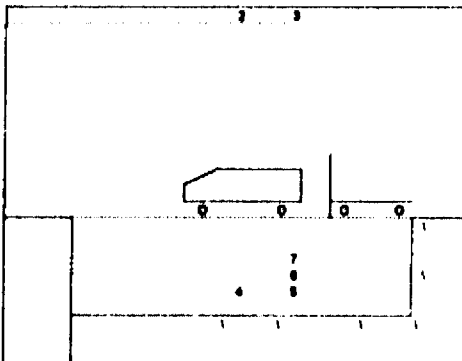
1. THE Z DIMENSION FOR THE SILL TARGETS AND REAR AXLE MUST BE RETAKEN AT THE TEST SITE
2. IF OTHER TUBE POINTS ARE USED, SO INDICATE

FOR REAR IMPACT TESTS - DIMENSIONING BETWEEN SILL TARGETS AND PHOTO REFERENCE TUBE
 TEST ENGR 21105
 VC 6385

PLAN VIEW



SIDE VIEW



TEST NUMBER:	V0688	VEHICLE TYPE:	TJ
TEST TYPE:	30 MPH REAR TYPE N IMPACT	TEST ENGINEER:	COLLINS
REQ EST DATE:	08/26/98		

Q	VIEW DESCRIPTION ANALYSIS	CAS S/N	LENS FL	LENS S/N	LENS MFG	F-STEP	PKL	INT	CR	CAS MFG
1	A LEFT - DYNAMIC CRUSH	1078	10mm	106201	KM					
2	A CATWALK - LARGE OVERALL	627	13mm	106436	KM					
3	A CATWALK - MD OVERALL	628	10mm	107221	KM					
4	PT - UNDERBODY OVERALL	641	13mm	6	KM					
5	PT - BUMPER TO AXLE	500	10mm	107220	KM					
6	PT - FILL TUBES/TUBE	201	20mm	203	GM					
7	PT - TRACK BAR AND BRACKET	202	20mm	1	GM					
8	A VELOCITY	200	100mm	0000	ELG					
30	V EXT APPRO VEHICLE AND BARRIER									

TUESDAY 3/31/98 2ND TEST

FUEL SYSTEM AND STATIC ROLLOVER SUMMARYTEST NUMBER VC6888, ITEM NUMBER TJ5794, TEST ENGINEER COLLINSV.I.N. 1J4PY4980XP [REDACTED], TEST DATE 03/31/98, ROLL DATE 04/01/98TEST TYPE: 30 MPH REAR TYPE IV MOVING BARRIER IMPACTFUEL: TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.5 GALLONSTEST SPEED 30.3 MPH, TEST WEIGHT 4161 POUNDS.POST IMPACT LEAKAGE(OZ); AT IMPACT 01ST 5 MIN. 0NEXT 25 MIN. 0POST TEST PRESSURE CHECK N/AELECTRIC FUEL PUMP RUN N/A NO STATIC ROLL PERFORMEDSTATIC ROLL LEAKAGE WITH VEHICLE LEFT SIDE DOWN FIRST

		FUEL LEAKAGE LOCATIONS DURING STATIC ROLL				TOTAL
ROLL TIME						
0-90	1ST 5 MIN					1
1:10	POST 5 MIN					1
90-180	1ST 5 MIN					1
1:42	POST 5 MIN					1
180-270	1ST 5 MIN					1
1:32	POST 5 MIN					1
270-360	1ST 5 MIN					1
1:31	POST 5 MIN					1

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS

No fuel leaks at impact
No fuel leaks during static rolls

Roll over safety was maintained

LAST FORM MODIFICATION 08/22/96 - GAB (TESTOBS896,DOCVCFORMS)

DATE 04/02/98
TIME 17.27.04.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC06888 ITEM TJ5794
VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJ5794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
TEST DATE 03/31/98

TEST PURPOSE PRIMARY, 1999 USA 301 COMPLIANCE.
DETERMINE FUEL SYSTEM INTEGRITY.

PRIMARY, 1999 TRIAS 33 COMPLIANCE.
DETERMINE FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.0 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; J
BODY; 77
ENGINE; 4.0 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 3 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4FY49S0XP MOD.
VIN AS BUILT; 1J4FY49S0XP MOD.

TEST SPEED 30.3 MPH BY ELECTRONIC TRAP.

TEST WEIGHT (LBS) 4161 TOTAL, 2108 FRONT, 2053 REAR

OCCUPANTS LEFT FRONT, HYBRID II BALLAST AD-52
RESTRAINT-BELTED
RIGHT FRONT, HYBRID II, BALLAST AD-61
RESTRAINT-BELTED

BUILD CONDITION 1999 WRANGLER (TJ) C1 PILOT VEHICLE;
NEW PRODUCTION INTENT TAILGATE STRIKER PIN AND
BRACKET (PREVIOUSLY UNTESTED)
1999 PRODUCTION INTENT FRAME
'SAHARA' PACKAGE
19.0 GALLON FUEL TANK
FULL-SIZED SPARE - 15" X 30" ALUMINUM WHEEL

TARGET WEIGHT (LBS) 3633 TOTAL, 1760 FRONT, 1873 REAR
REPRESENTS 4.0L, MAXIMUM OPTION WEIGHT
DOES NOT INCLUDE LUGGAGE AND/OR OCCUPANTS

FUEL AND BALLAST 18.5 GALLONS STODDARD SOLVENT
200 LBS OF LUGGAGE BALLAST.
75 LBS OF BALLAST SECURED TO RF FLOORPAN.
25 LBS OF BALLAST SECURED TO LF FLOORPAN.

DATE 04/02/98
TIME 17.27.04.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC06888 ITEM TJ5794
VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJ5794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
TEST DATE 03/31/98

POST TEST REMARKS LEFT SILL WAS DISTORTED.

EDP TECHNICIAN S. A. HELQUIST

No. of Pages 48
CC

D. HALE	514-15-67
M. T. STEBELTON	422-05-61
S. J. TAYLOR	514-17-41

TITLE: Page Index of RDP plots Pages 001 - 048
 ***** VC06888A ***** Page 1-01
 TITLE: Transducer Summary Reports Pages 001 - 005
 PAGE: 001 TSR Channels 001 - 008
 PAGE: 002 TSR Channels 009 - 016
 PAGE: 003 TSR Channels 017 - 024
 PAGE: 004 TSR Channels 025 - 032
 PAGE: 005 TSR Channels 033 - 034

***** VC06888B *****
 TITLE: Vehicle Channels Pages 006 - 044
 PAGE: 006 Average of Sill Chls 1, 3, 5, & 7
 PAGE: 007 Average of Frt Sill Chls 1 & 3
 PAGE: 008 LEFT FRONT SILL X, Chl 1
 PAGE: 009 LEFT FRONT SILL X, Chl 1, VD
 PAGE: 010 LEFT FRONT SILL Z, Chl 2
 PAGE: 011 RIGHT FRONT SILL X, Chl 3
 PAGE: 012 RIGHT FRONT SILL X, Chl 3, VD
 PAGE: 013 RIGHT FRONT SILL Z, Chl 4
 PAGE: 014 LEFT REAR SILL X, Chl 5
 PAGE: 015 LEFT REAR SILL X, Chl 5, VD
 PAGE: 016 LEFT REAR SILL Z, Chl 6
 PAGE: 017 RIGHT REAR SILL X, Chl 7
 PAGE: 018 RIGHT REAR SILL X, Chl 7, VD
 PAGE: 019 RIGHT REAR SILL Z, Chl 8
 PAGE: 020 ENGINE BOTTOM X, Chl 9
 PAGE: 021 ENGINE BOTTOM X, Chl 9, VD
 PAGE: 022 ENGINE BOTTOM Z, Chl 10
 PAGE: 023 LT RL FT AXLE PIVOT * X, Chl 11
 PAGE: 024 LT RL FT AXLE PIVOT * X, Chl 11, VD
 PAGE: 025 LT RL FT AXLE PIVOT Z, Chl 12
 PAGE: 026 RT RL FT AXLE PIVOT * X, Chl 13
 PAGE: 027 RT RL FT AXLE PIVOT * X, Chl 13, VD
 PAGE: 028 RT RL FT AXLE PIVOT Z, Chl 14
 PAGE: 029 LT RL RR AXLE PIVOT * X, Chl 15
 PAGE: 030 LT RL RR AXLE PIVOT * X, Chl 15, VD
 PAGE: 031 LT RL RR AXLE PIVOT Z, Chl 16
 PAGE: 032 RT RL RR AXLE PIVOT * X, Chl 17
 PAGE: 033 RT RL RR AXLE PIVOT * X, Chl 17, VD
 PAGE: 034 RT RL RR AXLE PIVOT Z, Chl 18
 PAGE: 035 LT FRAME RL FT X, Chl 19
 PAGE: 036 LT FRAME RL FT X, Chl 19, VD
 PAGE: 037 LT FRAME RL FT Z, Chl 20
 PAGE: 038 RT FRAME RL FT X, Chl 21
 PAGE: 039 RT FRAME RL FT X, Chl 21, VD
 PAGE: 040 RT FRAME RL FT Z, Chl 22
 PAGE: 041 RR BUMPER LT EVENT, Chl 23, Event *N*
 PAGE: 042 RR BUMPER RT EVENT, Chl 24, Event *N*
 PAGE: 043 TAILGATE LT EVENT, Chl 25, Event *N*
 PAGE: 044 TAILGATE RT EVENT, Chl 26, Event *N*

***** VC06888C *****
 TITLE: Moving barrier Channels Pages 045 - 048
 PAGE: 045 LT RAIL MBAR MID X Chl 33
 PAGE: 046 LT RAIL MBAR MID X , Chl 33, VD
 PAGE: 047 RT RAIL MBAR MID X Chl 34
 PAGE: 048 RT RAIL MBAR MID X , Chl 34, VD

TRANSDUCER SUMMARY REPORT

VC06808 30 MPH KHR IMPACT, TJJ-77 ITEM 135794

PAGE 001

1999 FV55 301 & TR135 33 COMPLIANCE

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IMPACT ANALYSIS DEPT. 5320

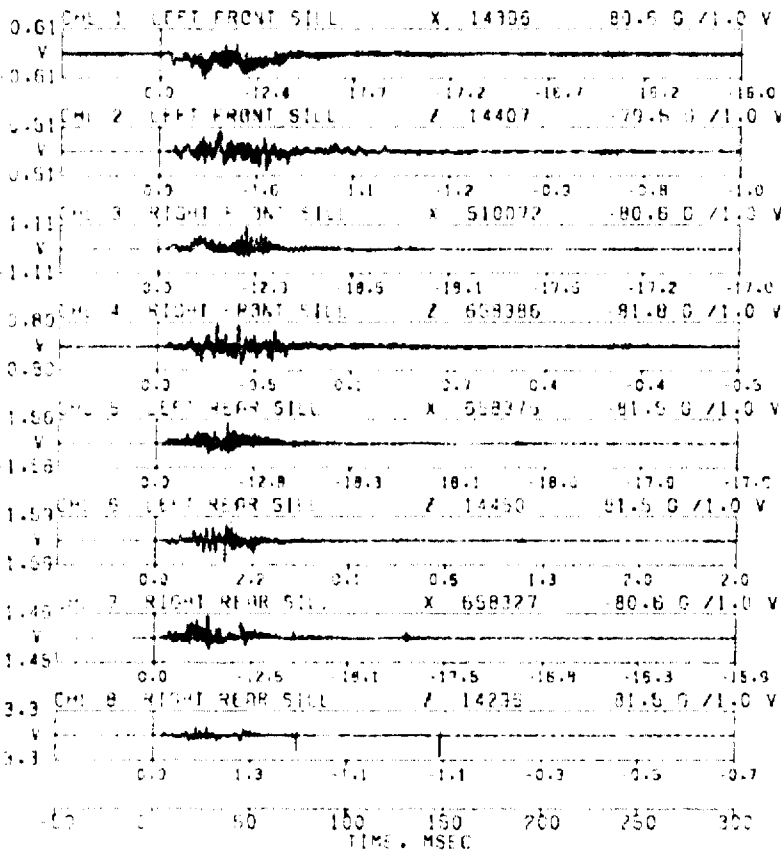
DATE SET 03/31/99HQ

APP. 011998

TRR710

1

-50 0 50 100 150 200 250 300



NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08808 30 MPH R-OR IMPACT, 1J0-77 ITEM EJS794

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1993 FV55 301 & TRIAS 33 COMPLIANCE

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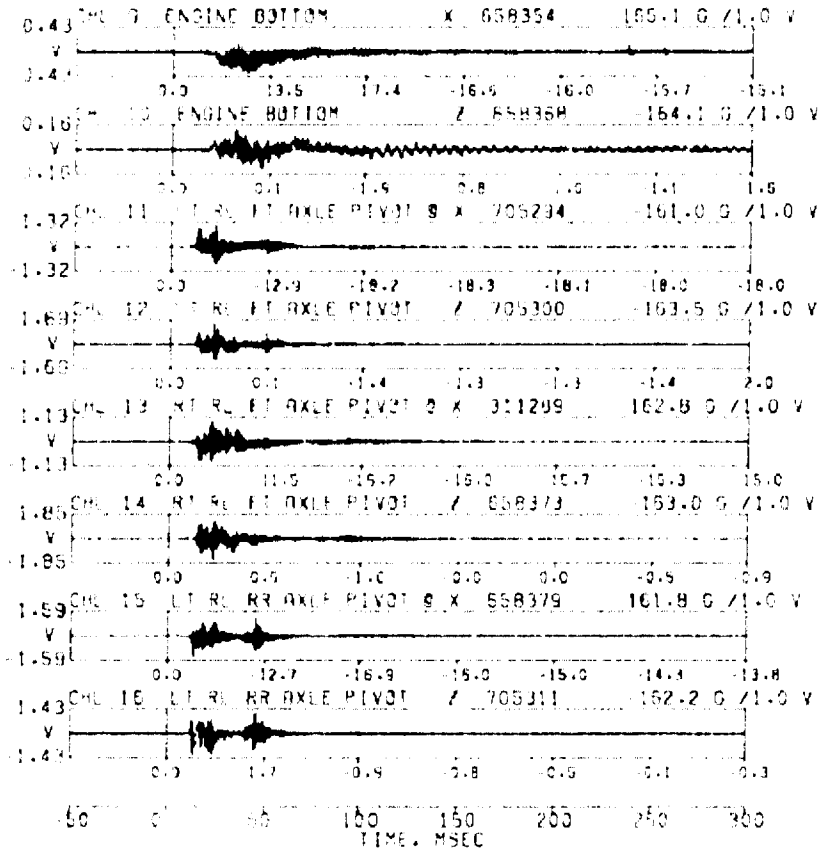
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DATA SET 03/31/9800

APR 0.1990

ERRATA 1

50 0 50 100 150 200 250 300



NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A - J -.

TRANSDUCER SUMMARY REPORT

VC05808 30 MPH NEAR IMPACT, TJJ-77 ITEM TJS734
 1999 FV933 301 & TRAYS 33 COMPLIANCE
 IMPACT ANALYSIS DEPT. 5320

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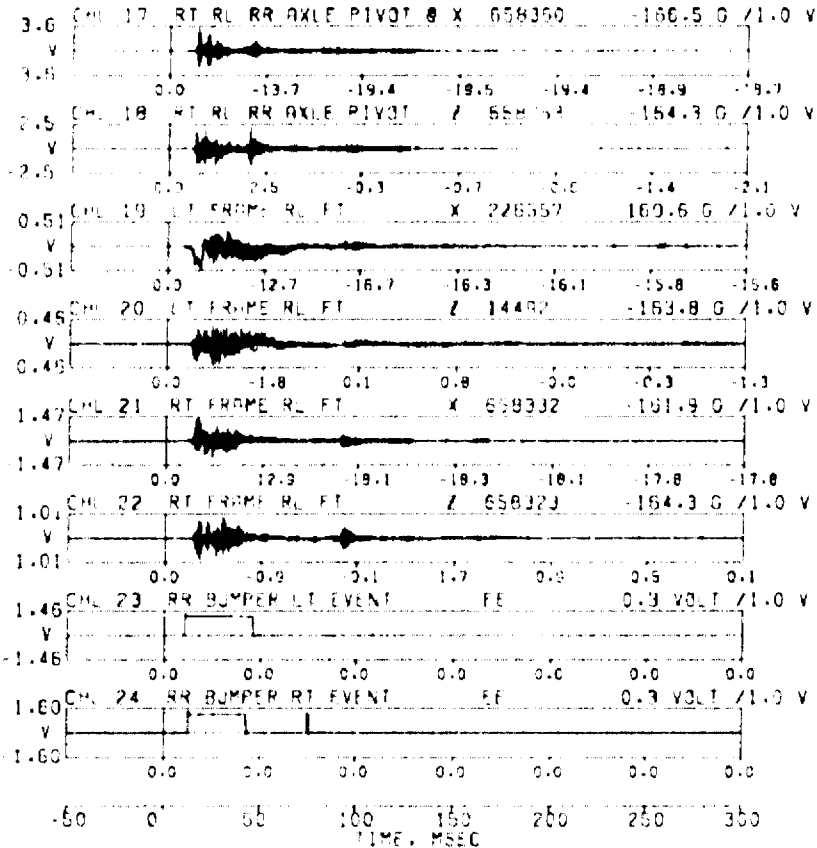
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RR 0.1998

ERRATA

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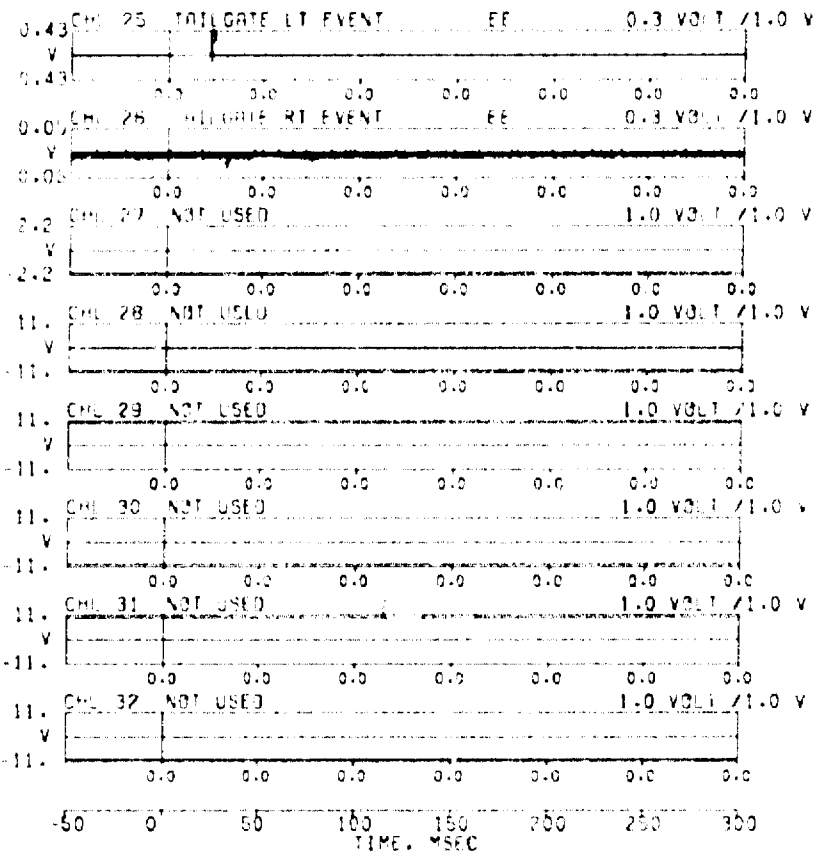


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-

TRANSDUCER SUMMARY REPORT
 VC06808 30 MPH REAR IMPACT, TJD-77 ITEM 15794
 1989 FMVSS 301 & TRIAS 33 COMPLIANCE
 IMPACT ANALYSIS DEPT. 5320
 APR 6, 1998

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 OF 048
 DATA SET 03/31/98BR
 ERRATA 1

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NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

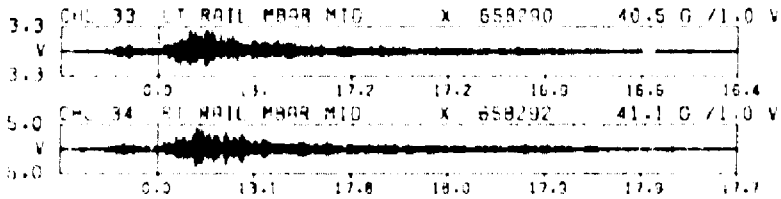
TRANSDUCER SUMMARY REPORT

VCC8889 30 MPH REAR IMPACT, TJJ 77 ITEM 105704
 1989 FVSS 301 & TRIAS 33 COMPLIANCE
 IMPACT ANALYSIS DEPT. 6320
 APR 6, 1998

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DATA SET 03/31/5889
 ERRATA 1

50 0 50 100 150 200 250 300



60 80 100 120 140 160 180 200 220 240 260 280 300

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 FROM CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

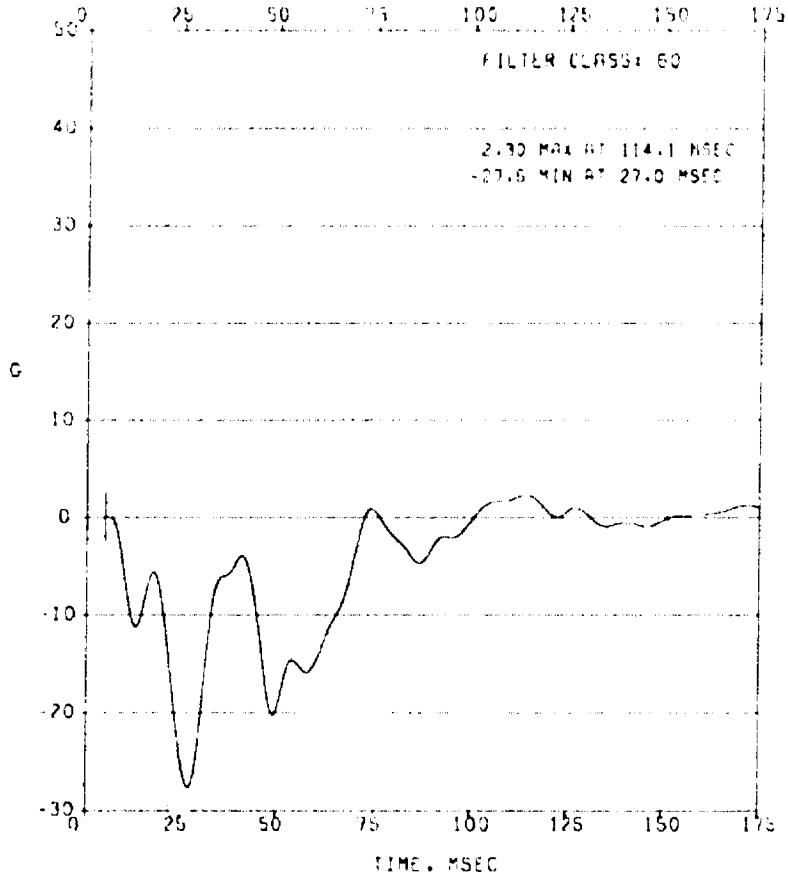
YC05888 30 MPH REAR IMPACT, TJD 77 ITEM T05794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
AVERAGE OF

PAGE 006
OF 048

CHANNEL 001 LEFT FRONT SILL	X	14355
CHANNEL 003 RIGHT FRONT SILL	X	510072
CHANNEL 005 LEFT REAR SILL	X	609375
CHANNEL 007 RIGHT REAR SILL	X	058327

FILTER TYPE: SAE J211B/80 DC C601P/RT EFF 3/24/86
IMPACT ANALYSIS (DEPT. 5320)
RFR 0.125G

DATA SET 03/31/9880
ERRATA 1



VC05888 30 MPH HEAR IMPACT, 1JJ-77 ITEM 105794
1993 FMVSS 301 & 302 COMPLIANCE

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OF 049

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X 14306
CHANNEL 003 RIGHT FRONT SILL X 510072

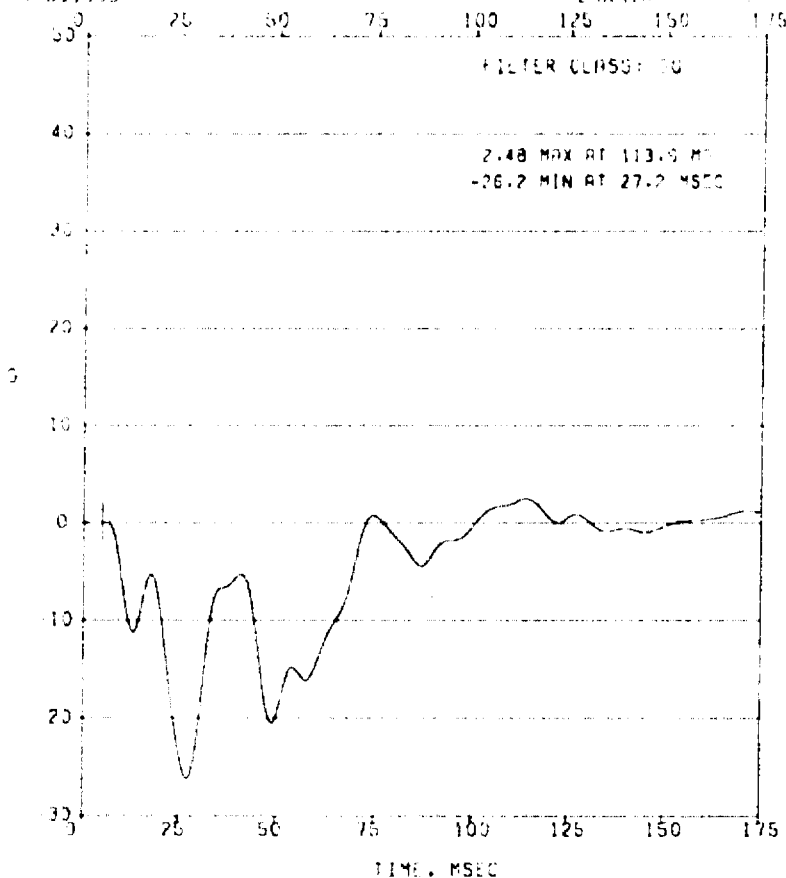
FILTER TYPE: SAE J211A/80 DC (BUTTERWORTH) EFF 3/24/86

IMPACT ANALYSIS DEPT. 6120

DATA SET 03/31/8892

REV 6.1958

ERRATA 1



VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM T05734

PAGE 008

1399 MVSS 301 & TRIAS 33 COMPLIANCE

OF 048

CHANNEL 001 LEFT FRONT SILL X 14396

FILTER TYPE: 000RS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

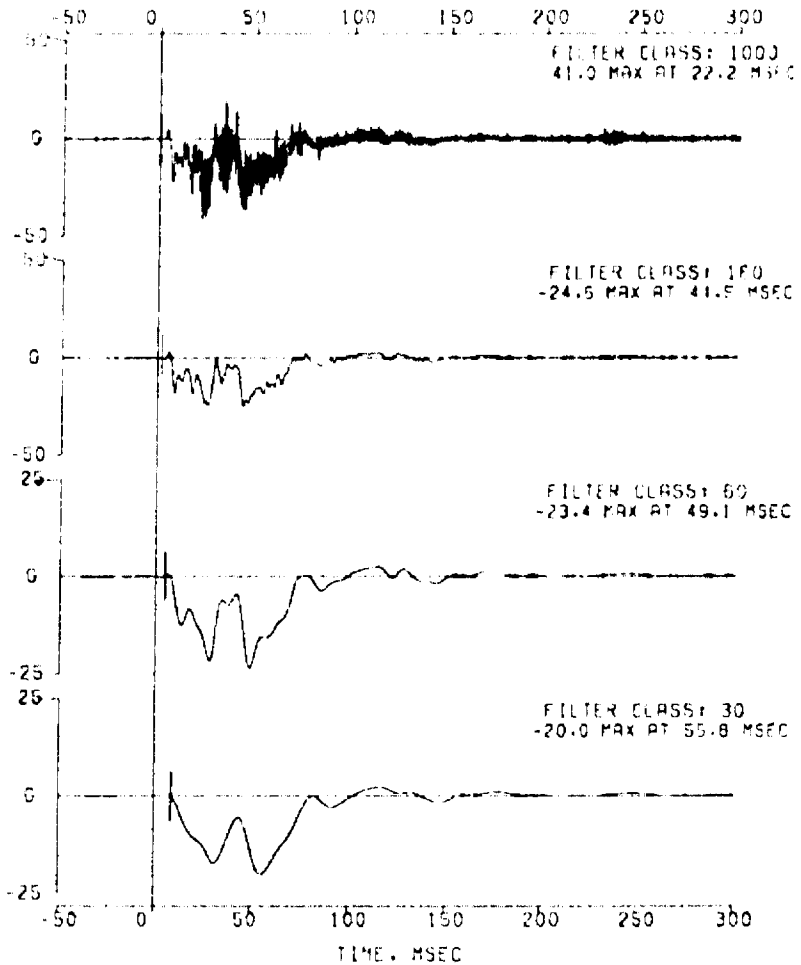
IMPACT ANALYSIS DEPT. 5320

DATA SET 01/31/88A0

APR 6, 1988

ERRATA

1



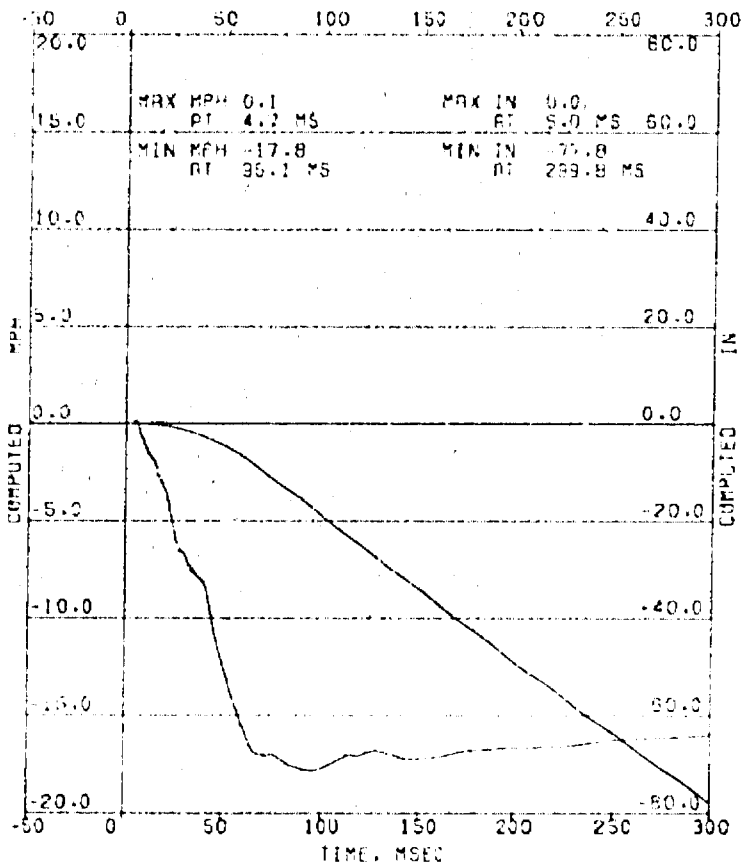
Y006988 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1969 FHV35 301 & TRIPS 33 COMPLIANCE
CHANNEL 001 LEFT FRONT SILL X 14396

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FILTER TYPE: 00043-111 RESPONSE: CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6.1939

DATA SET 03/31/9880
ERRATA 1

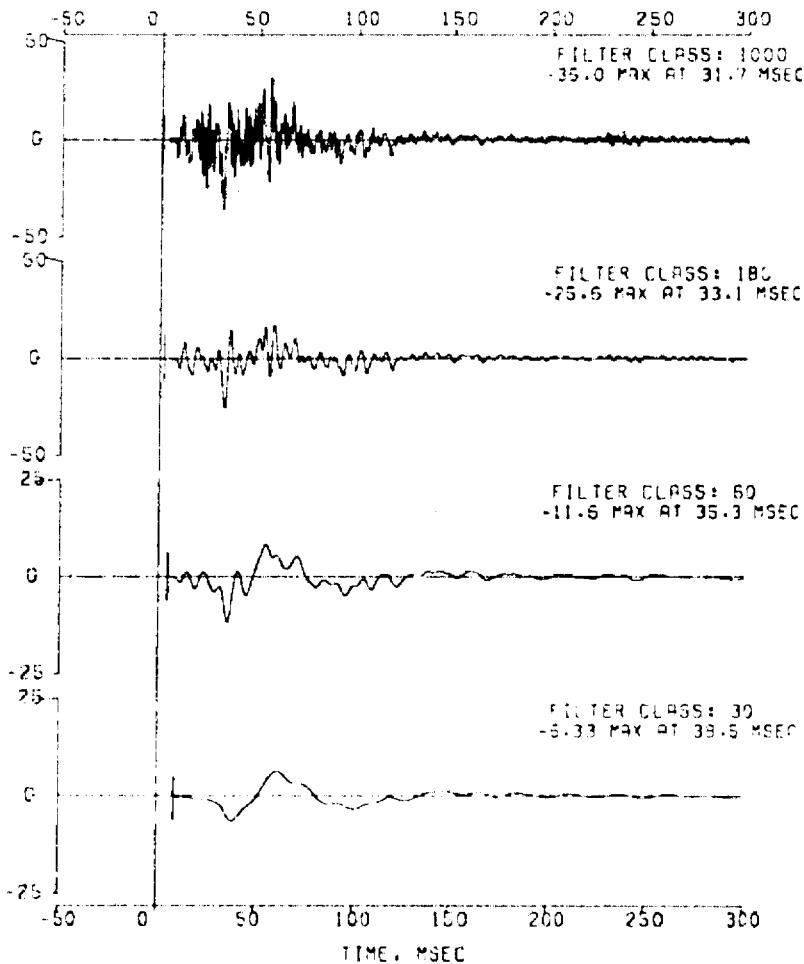


COMPUTED MPH
COMPUTED IN

VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 002 LEFT FRONT SILL Z 14407

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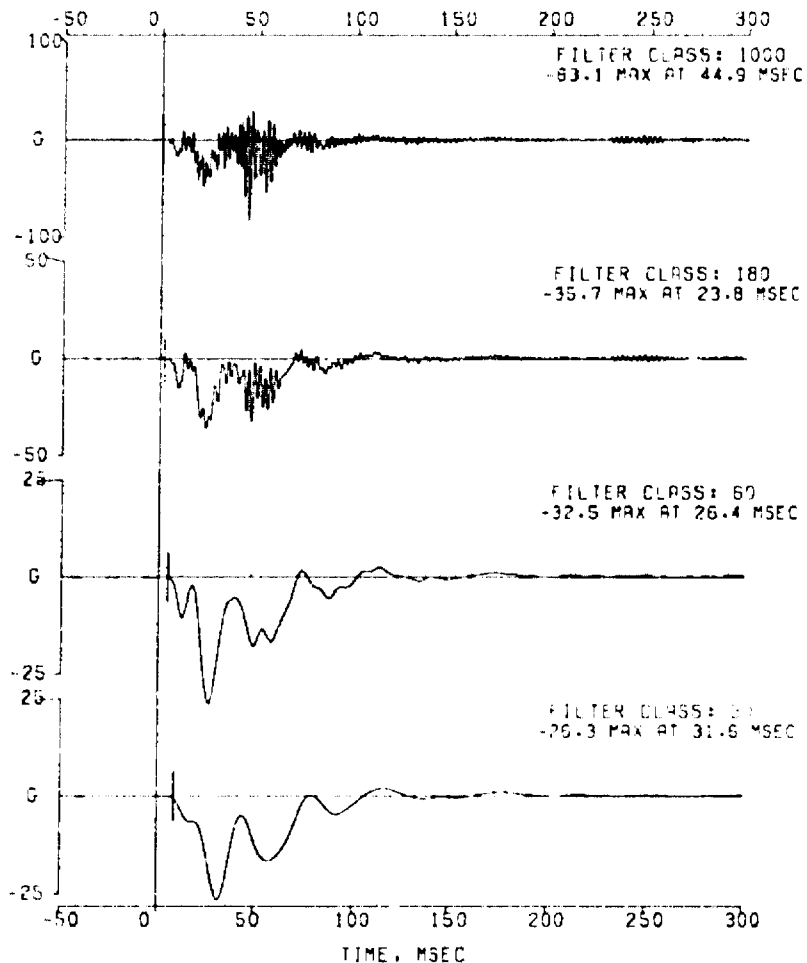
FILTER TYPE: 080AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(16501
IMPACT ANALYSIS DEPT. 5320 DATA SET 03/31/998Q
APR 6, 1999 LRRATA 1



VC0688A 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 003 RIGHT FRONT STILL X 510072
FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

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DATA SET 03/31/98BQ
ERRATA 1



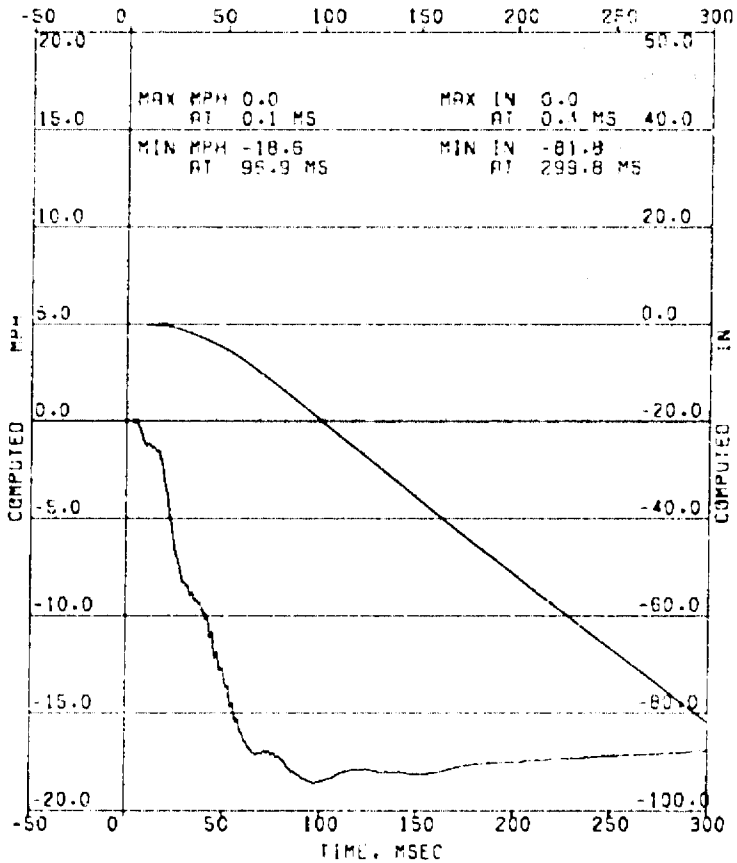
VC06988 30 MPH REAR IMPACT, IJJ-77 ITEM IJ5794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 003 RIGHT FRONT SILL X 510072

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FILTER TYPE: 09DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(16501
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

DATA SET 03/31/98B0
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJ5794

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1989 FMVSS 301 & TRIAS 33 COMPLIANCE

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CHANNEL 004 RIGHT FRONT SILL Z 659385

FILTER TYPE: UB045-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

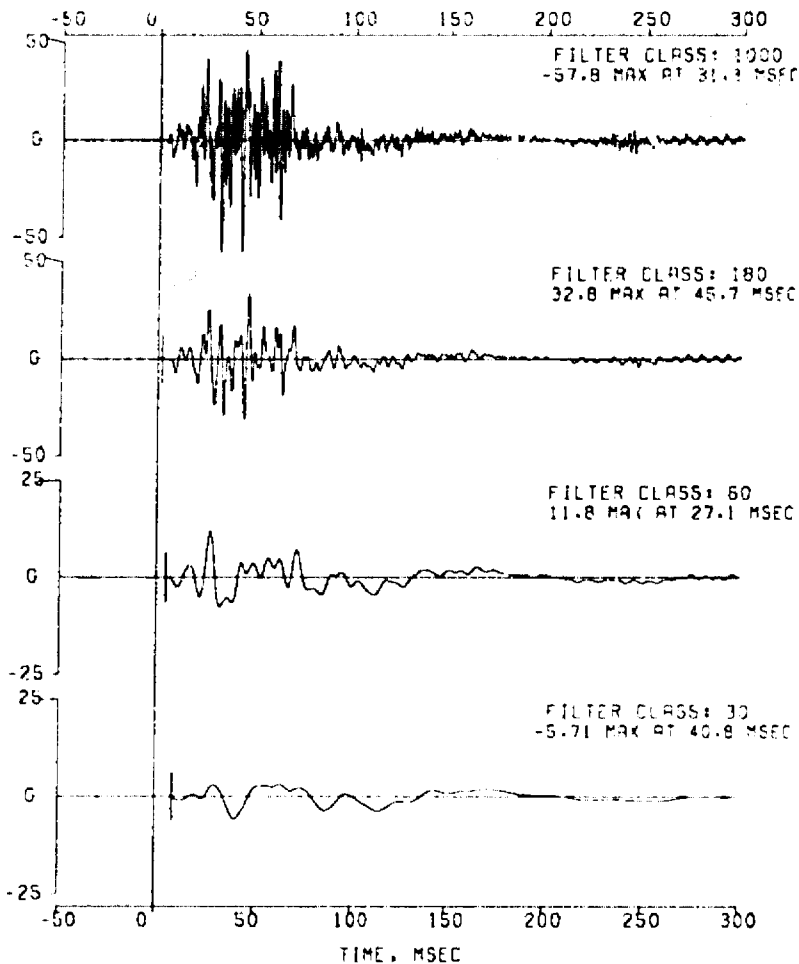
IMPACT ANALYSIS DEPT. 5320

DATA SET 03/31/9880

APR 6, 1988

ERRATA

1



VC06888 30 MPH REAR IMPACT, 10J-27 ITEM T05794

PAGE 014

1999 FMVSS 301 & 141.45 33 COMPLIANCE

OF 048

CHANNEL 005 LEFT REAR SILL

X 656375

FILTER TYPE: 230AS-111 RESPONSE CORRECTION: CLASS 1000 FILTER: 16501

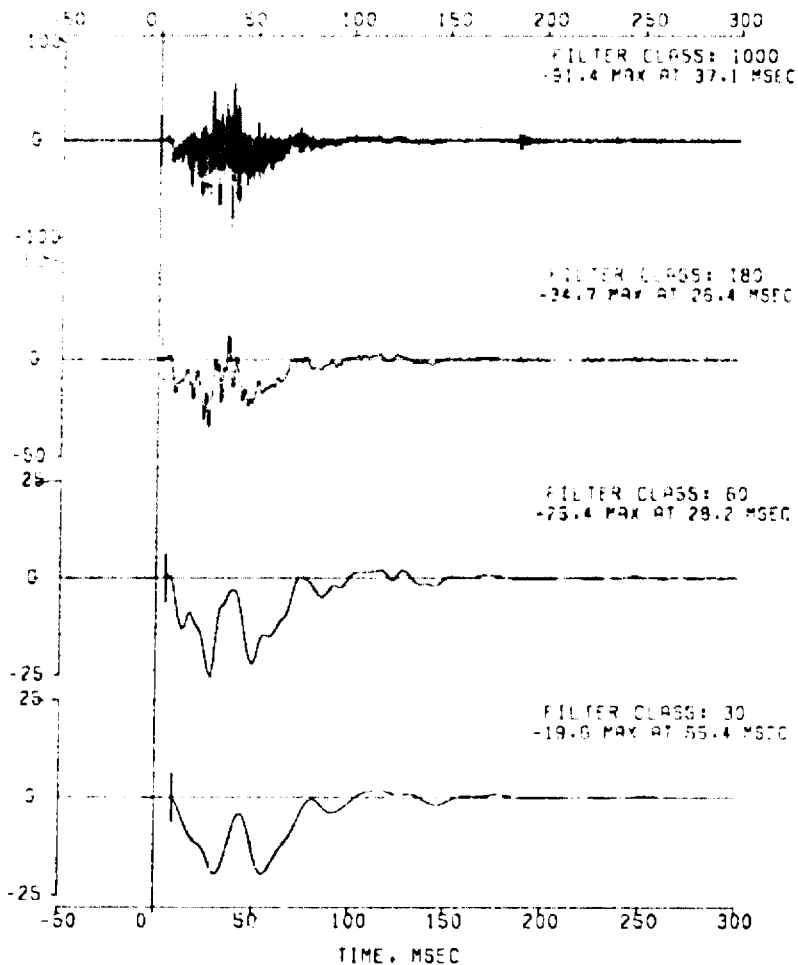
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DATA SET 03/31/9980

APR 8, 1998

ERRATA

1



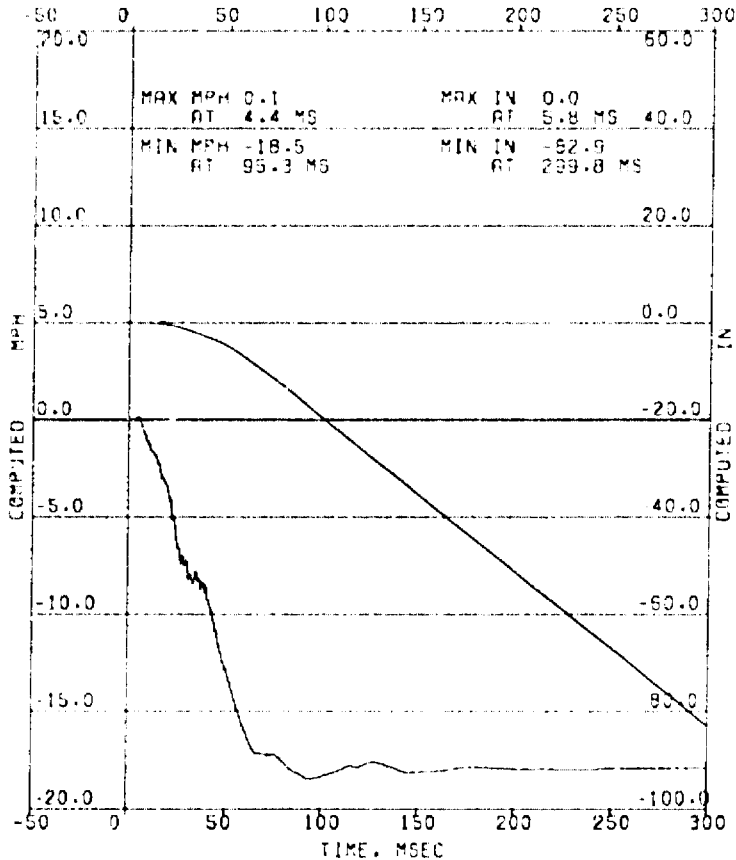
VC06980 30 MPH REAR IMPACT, IJ-77 ITEM 1J5794
1999 FV55 301 & TRIAS 33 COMPLIANCE
CHANNEL 005 LEFT REAR SILL X 698375

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FILTER TYPE: 030AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

DATA SET 03/31/9830
ERRATA 1

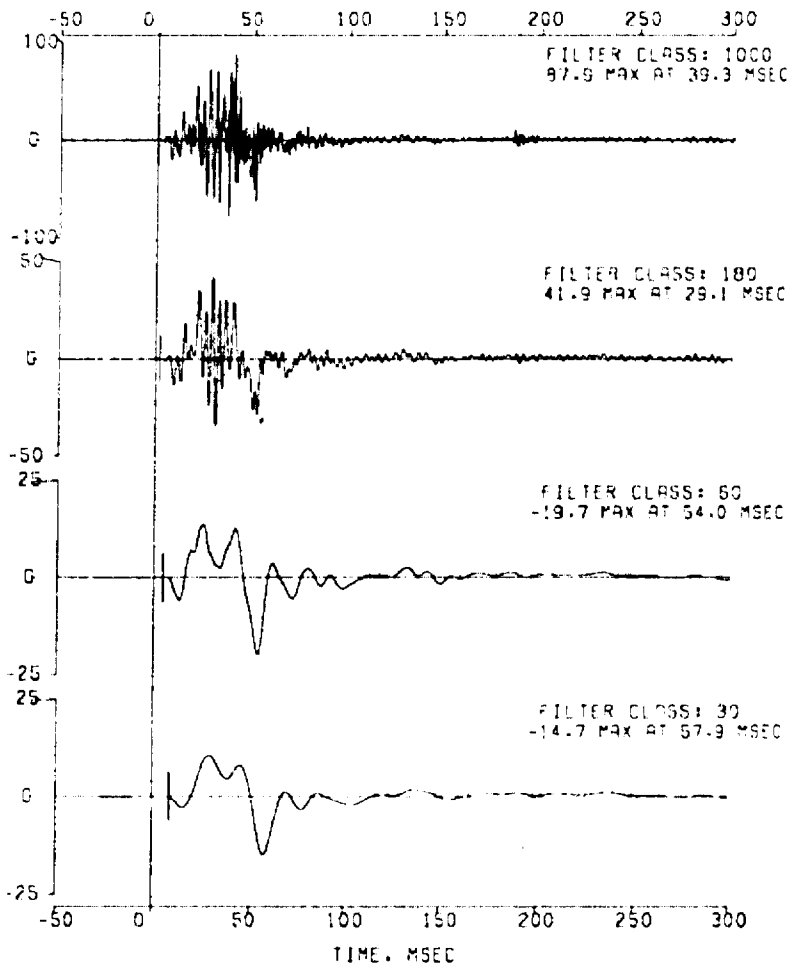


COMPUTED MPH
COMPUTED IN

VC06888 30 MPH REAR IMPACT. TJJ-77 ITEM TJS794
1989 PLYS 301 & TRIAS 33 COMPLIANCE
CHANNEL 006 LEFT REAR SILL Z 14450
FILTER TYPE: 08DAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 6.1988

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DATA SET 03/31/88AQ
ERRATA 1



VC08889 30 MPH REAR IMPACT, TJJ-77 ITEM TJ5794

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1999 FMYSS 301 & TRIAS 33 COMPLIANCE

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CHANNEL 007 RIGHT REAR SILL X 558327

FILTER TYPE: 080AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(16501

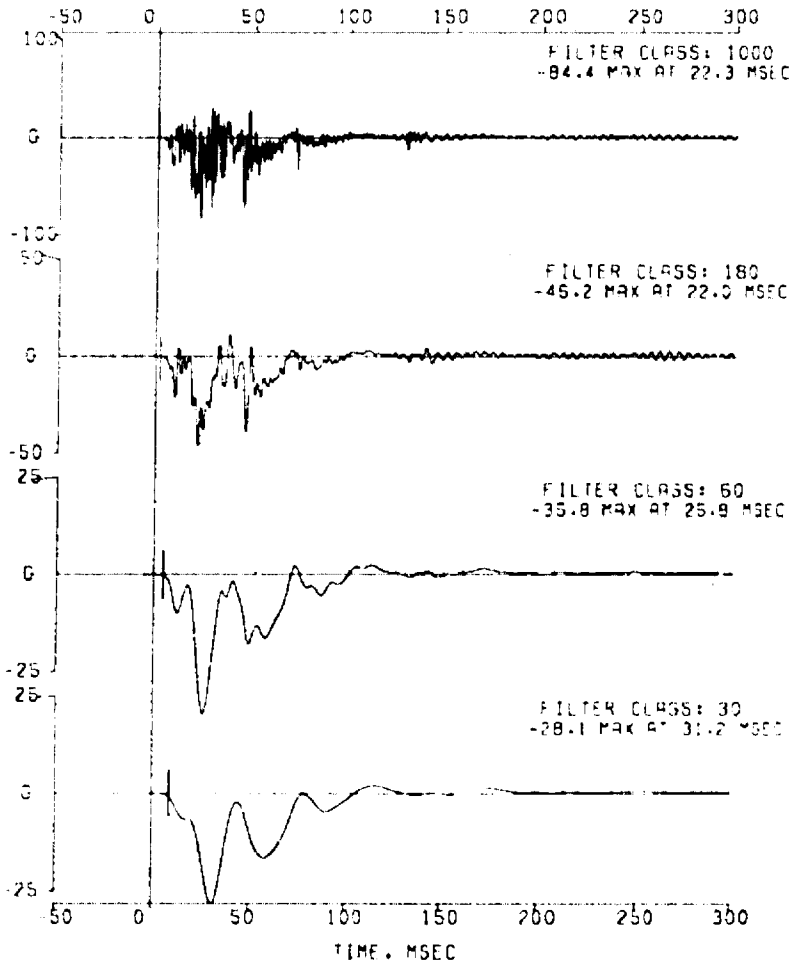
IMPACT ANALYSIS DEPT. 5320

DATA SET 03/31/99BQ

APR 0.1998

ERRATA

1



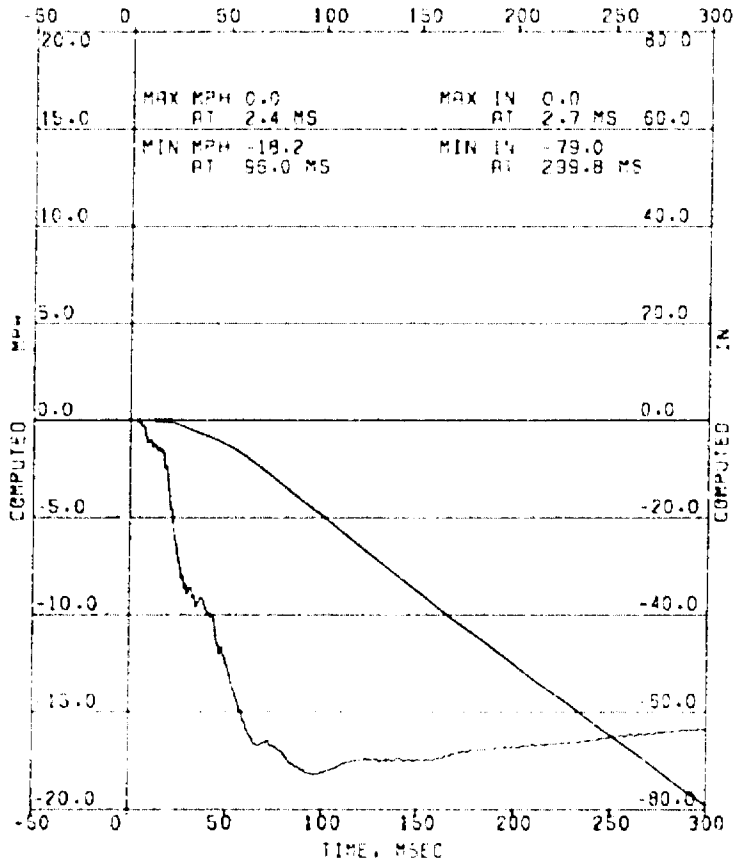
VC06808 30 MPH REAR IMPACT, IJ-77 ITEM IJ5794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 007 RIGHT REAR SILL X 658327

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OF 048

FILTER TYPE: 080AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

DATA SET 03/31/98BG
ERRATA 1

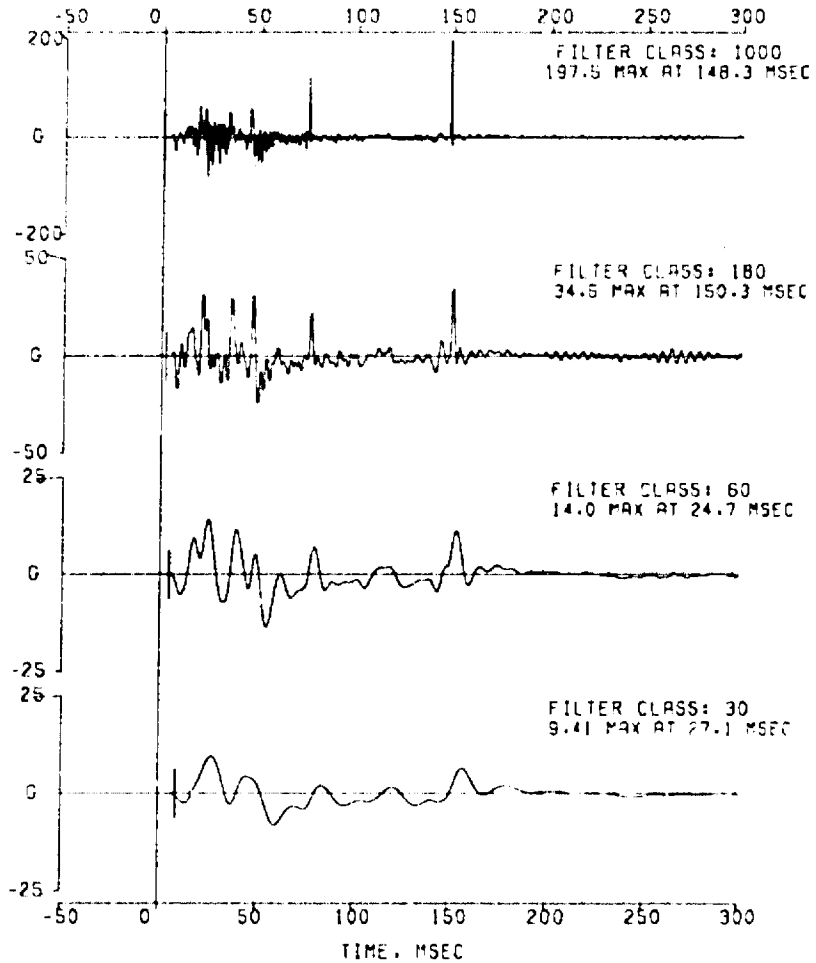


COMPUTED MPH
COMPUTED IN

VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJ5794
1999 FVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 008 RIGHT REAR SILL Z 14296
FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. SJ20
APR 6, 1999

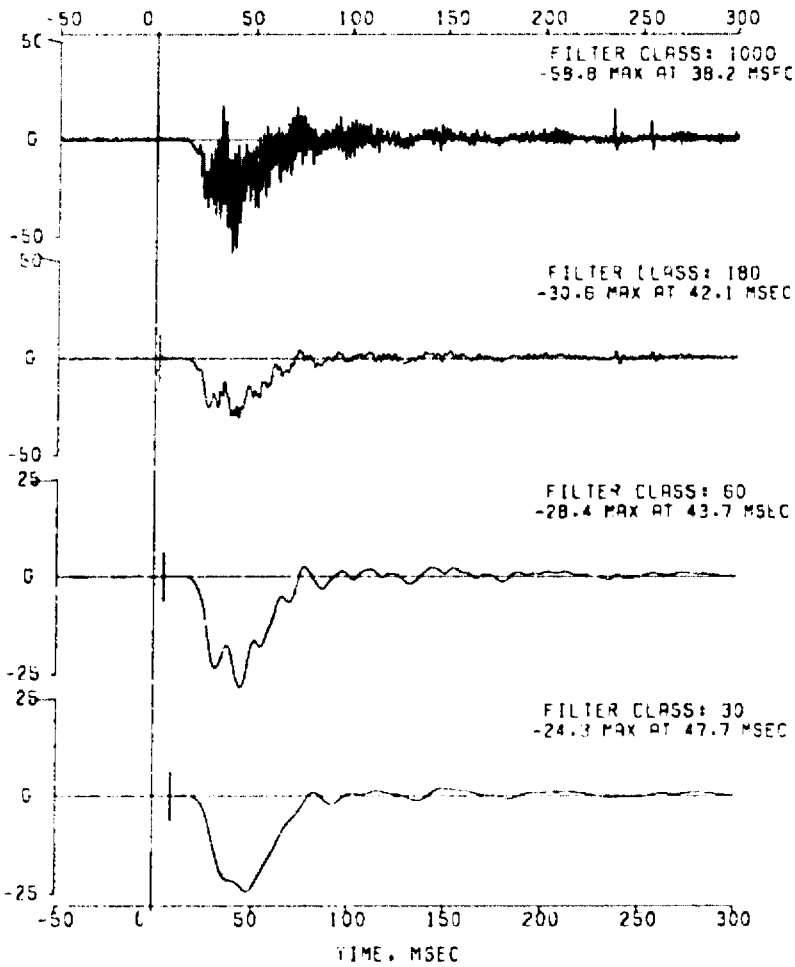
PAGE 019
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DATA SET 03/31/98B0
ERRATA 1



V006888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
 1999 FV55 301 & TR195 33 COMPLIANCE
 CHANNEL 009 ENGINE BOTTOM X 658354
 FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER116501
 IMPACT ANALYSIS DEPT. 5320
 APR 6, 1998

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 DATA SET 03/31/9880
 ERRATA 1



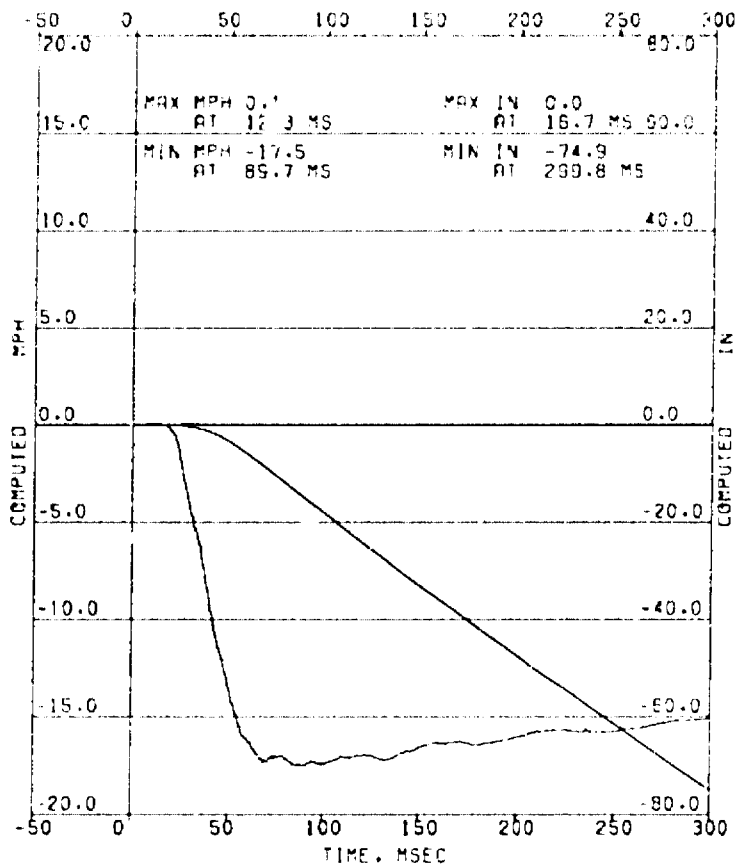
V006988 30 MPH REAR IMPACT, TJJ-77 ITEM 705794
1999 PLYMOUTH STRATUS 3.0 COMPLIANCE
CHANNEL 009 ENGINE BOTTOM X 658354

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FILTER TYPE: 080MS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1550)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6, 1999

DATA SET 03/31/9880
ERRATA 1

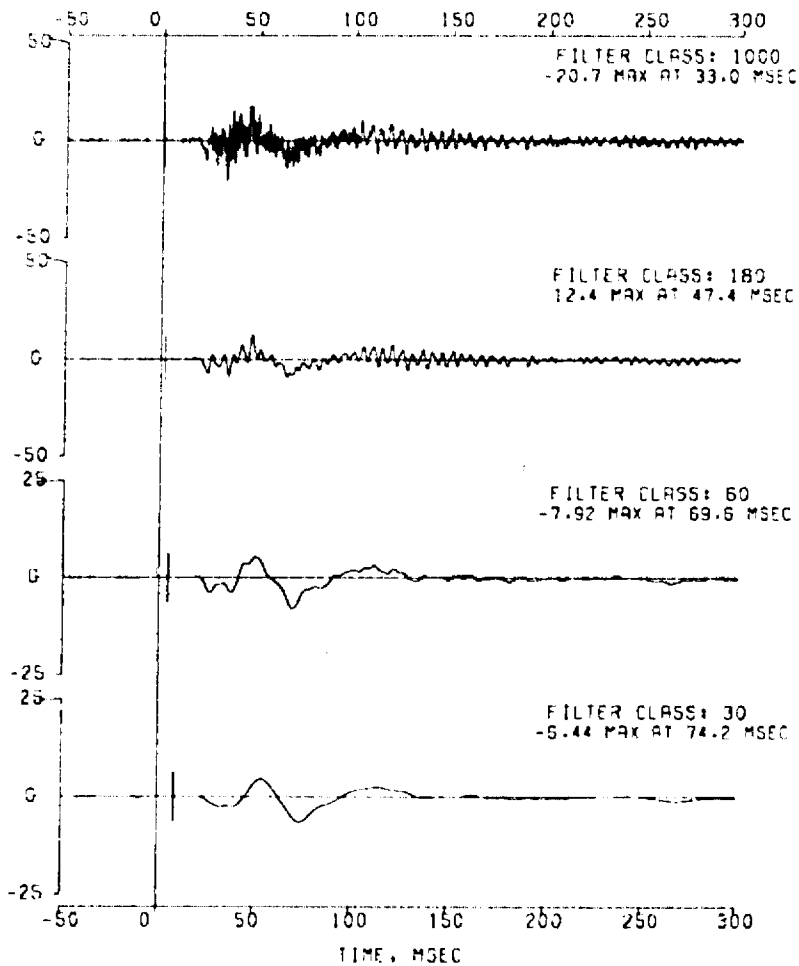


COMPUTED MPH
COMPUTED IN

VC06889 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 010 ENGINE BOTTOM Z 658368

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OF 048

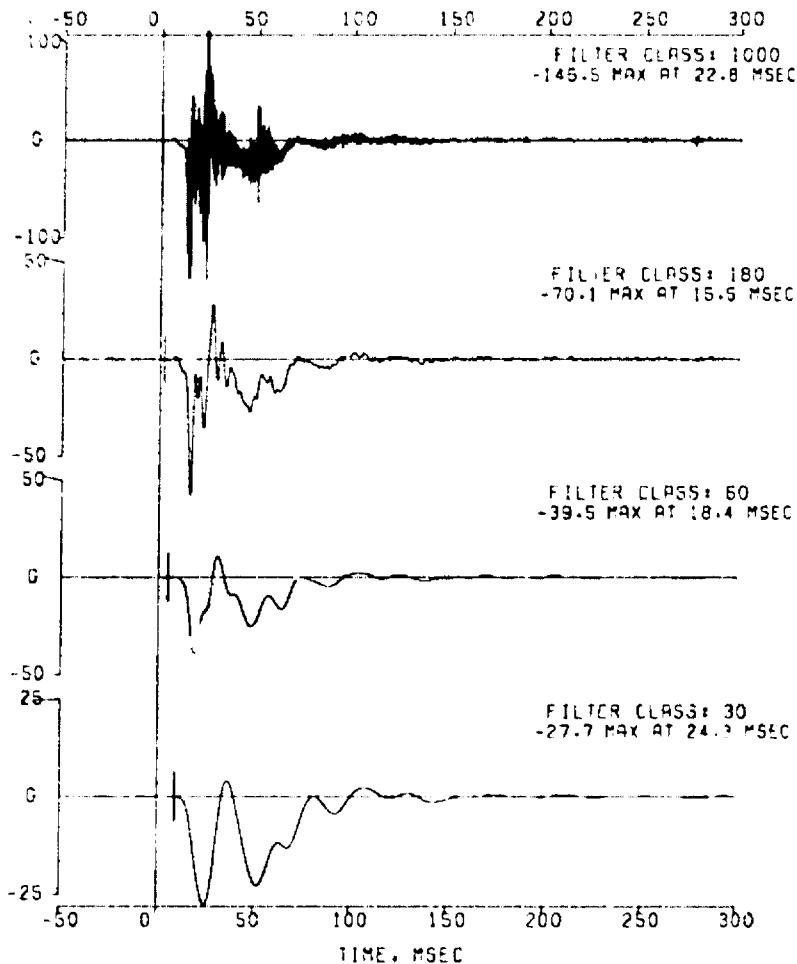
FILTER TYPE: OBCAS-III RESPONSE CORRECTION, CLASS 1000 FILTER: 16501
IMPACT ANALYSIS DEPT. 5320 DATA SET 03/31/9800
APR 6, 1999 ERRATA 1



VC06989 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TR195 33 COMPLIANCE
CHANNEL 011 LT RL FT AXLE PIVOT @ X 705294

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FILTER TYPE: OBCAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 03/31/9830
RTR 6.1996 ERRATA 1



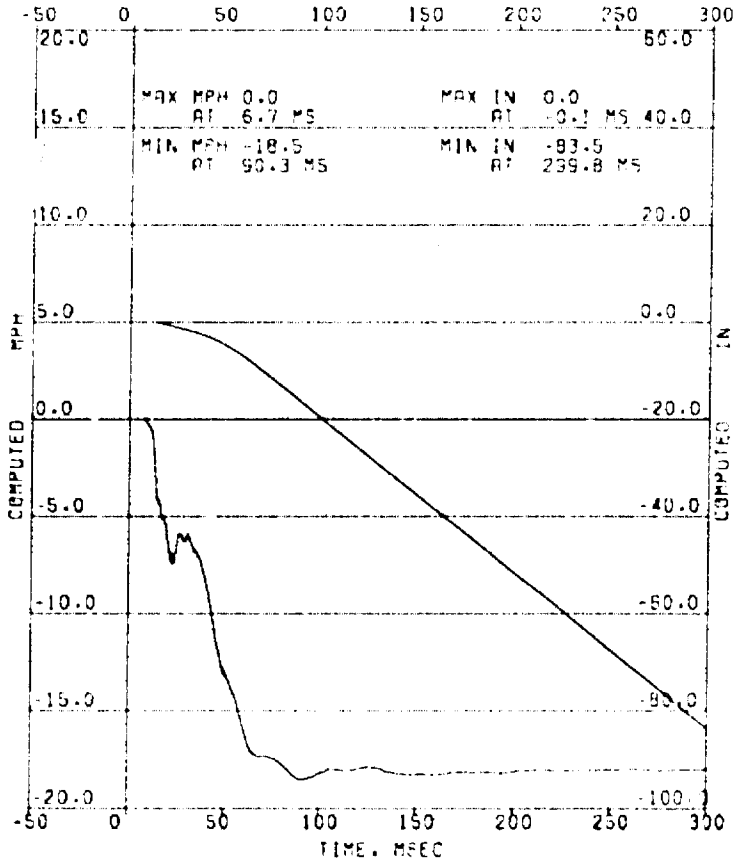
VC05888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMYSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 011 LT RE FT AXLE PIVOT 0 X 7J5284

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FILTER TYPE: 300AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

DATA SET 03/31/9880
ERRATA 1



COMPUTED MPH
COMPUTED IN

V006988 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE

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CHANNEL 012 LT RL FT AXLE PIVOT 7 705300

FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(16501

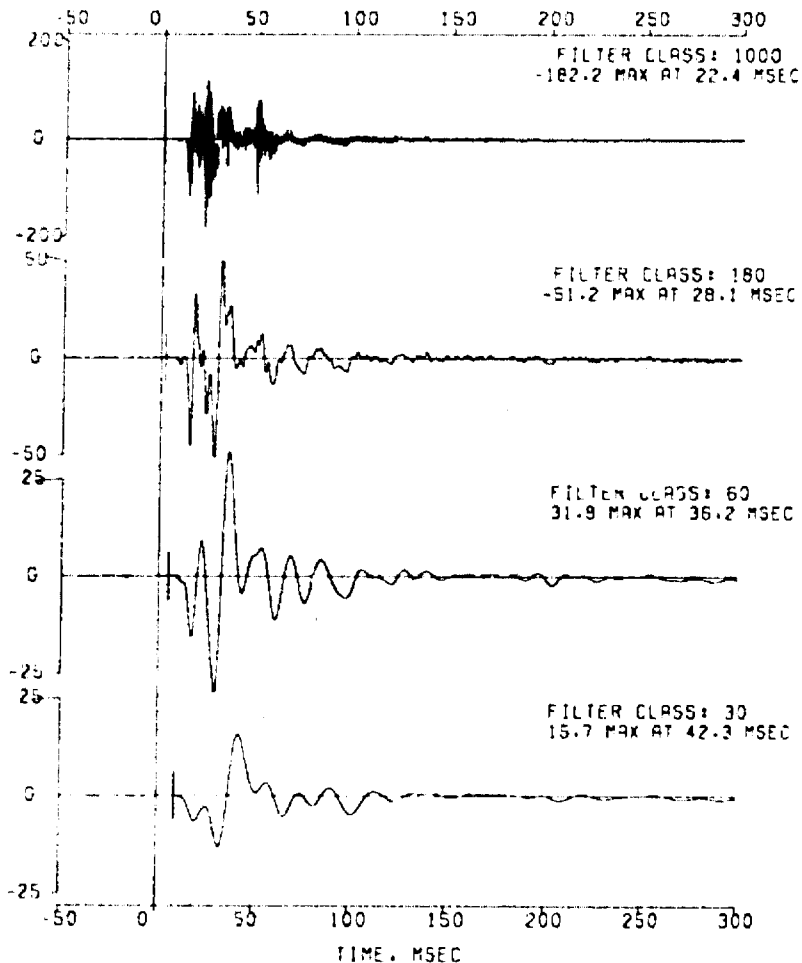
IMPACT ANALYSIS DEPT. 5320

DATA SET 03/31/98BQ

APR 6, 1998

ERRATA

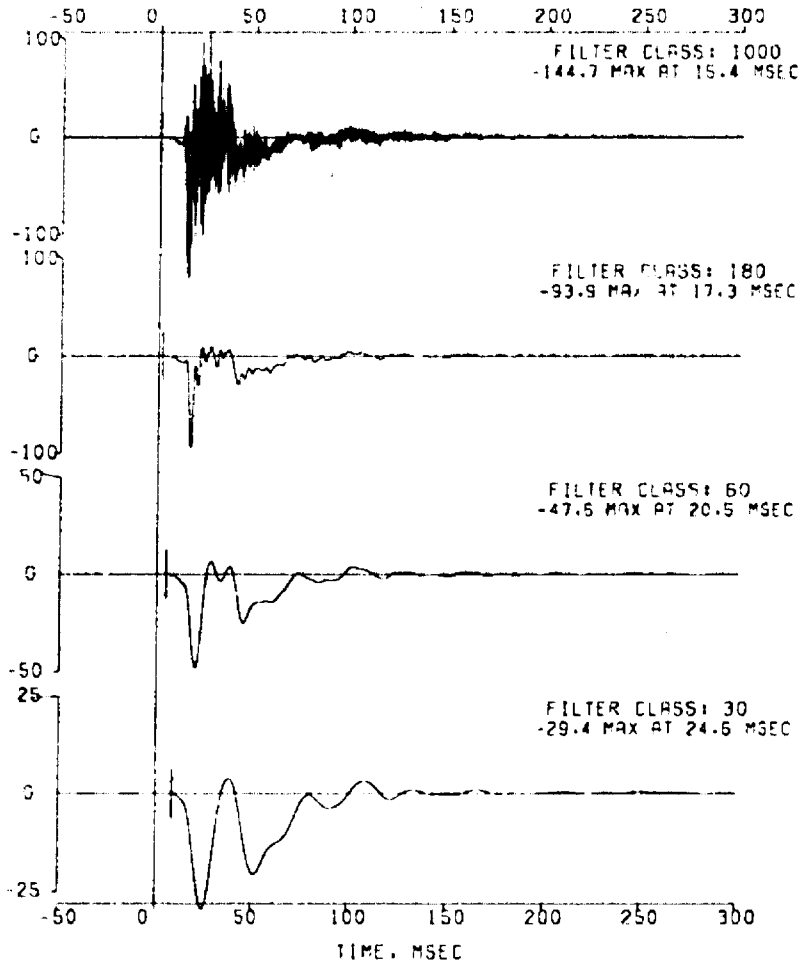
1



VC06058 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMYSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 013 RT RL FT AXLE PIVOT 8 X 311289
FILTER TYPE: 090AS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 6.1998

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DATA SET 03/31/98BG
ERRATA 1



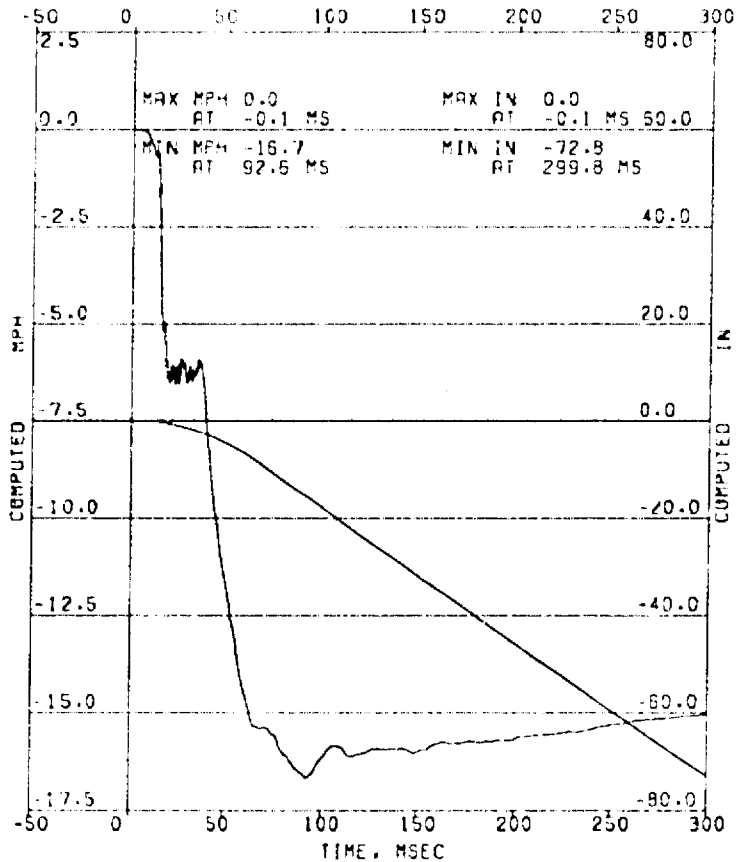
VC0888 30 MPH REAR IMPACT, IJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 013 RT RL FT AXLE PIVOT @ X 311289

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FILTER TYPE: 830AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6.1998

DATA SET 03/31/98BQ
ERRATA 1

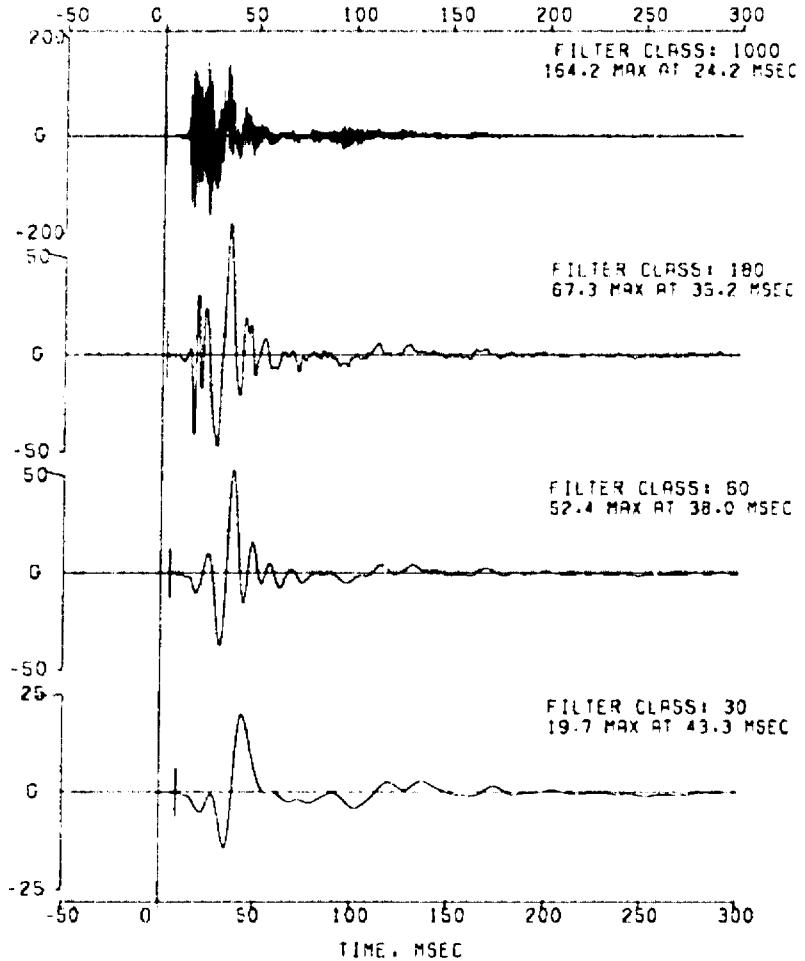


COMPUTED MPH
COMPUTED IN

VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 014 RT RL FT AXLE PIVOT Z 659373
FILTER TYPE: 09DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER:1650:
IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

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DATA SET 03/31/9880
ERRATA 1



VC06888 30 MPH REAR IMPACT. TJJ-77 ITEM TJ5734

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1999 FMVSS 301 & TRIAS 33 COMPLIANCE

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CHANNEL 015 LT RL RR AXLE PIVOT @ X 658379

FILTER TYPE: OBCAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(16501

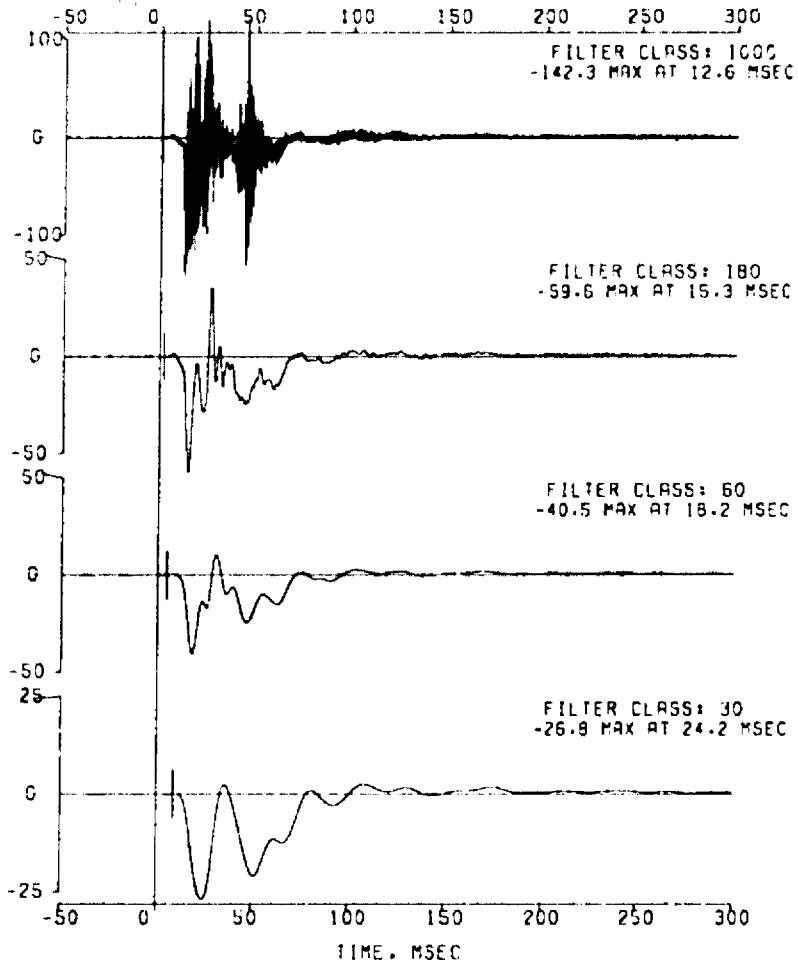
IMPACT ANALYSIS DEPT. 5320

DATA SET 03/31/9880

APR 6, 1998

ERRATA

1



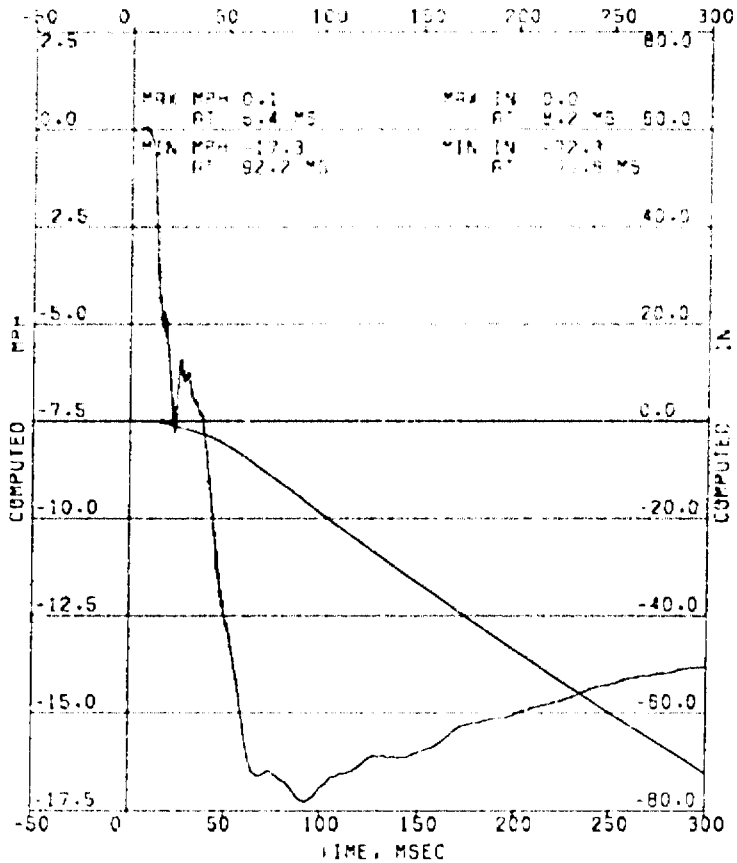
VC06008 30 MPH REAR IMPACT, TDU-97 ITEM 1/3/94
1989 FV55 301 E TRIAS 33 COMPLIANCE
CHANNEL DIS LT RL RR AXLE PIVOT @ X 659379

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OF 048

FILTER TYPE: 080AS-111 RESPONSE CORRECTION, CLASS 1000 FILTER: 1650
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6, 1999

DATA SET 03/31/9880
[ARATA 1

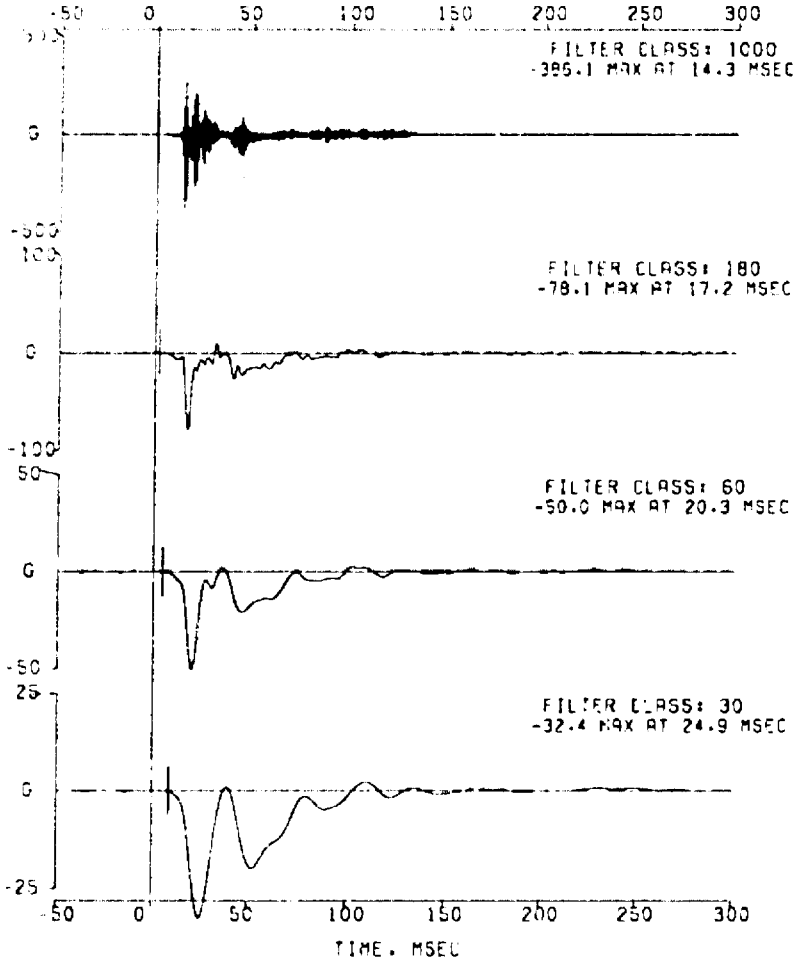


COMPUTED MPH
COMPUTED IN

V06889 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 017 RT RL RR AXLE PIVOT & X 658360
FILTER TYPE: 3BDRS-III RESPONSE CORRECTION, CLASS 1000 FILTER 15501
IMPACT ANALYSIS DEPT. 5320
REV 6.1308

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OF 048

DATA SET 03/31/98BR
ERRATA 1



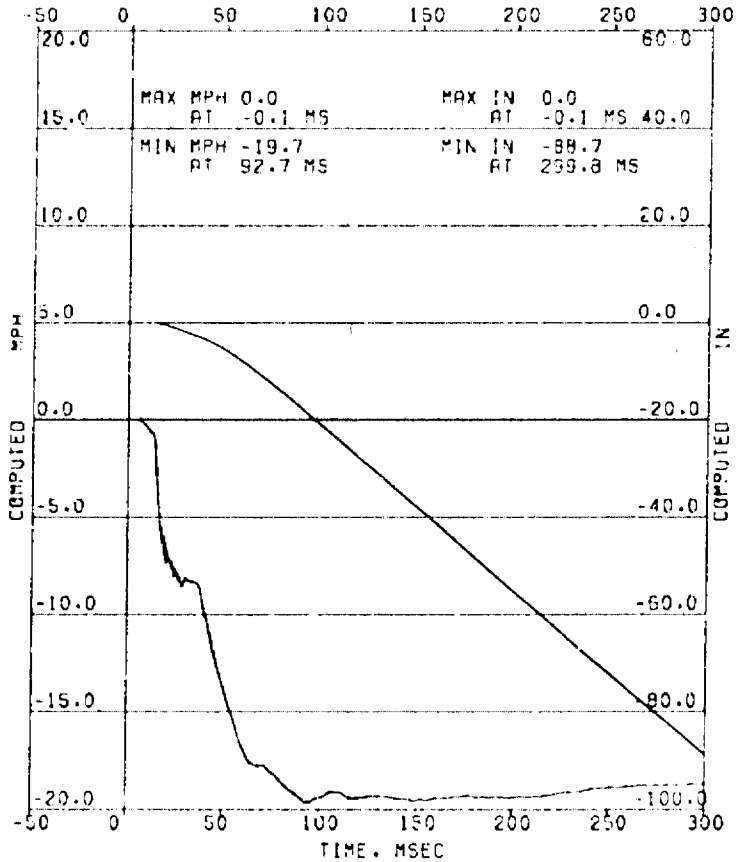
VC05388 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMY55 30L & TRIPS 33 COMPLIANCE
CHANNEL 017 RT RL RR AXLE PIVOT @ X 658360

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OF 048

FILTER TYPE: 08DAS-III; RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6.1998

DATA SET 03/31/98R
ERRATA 1

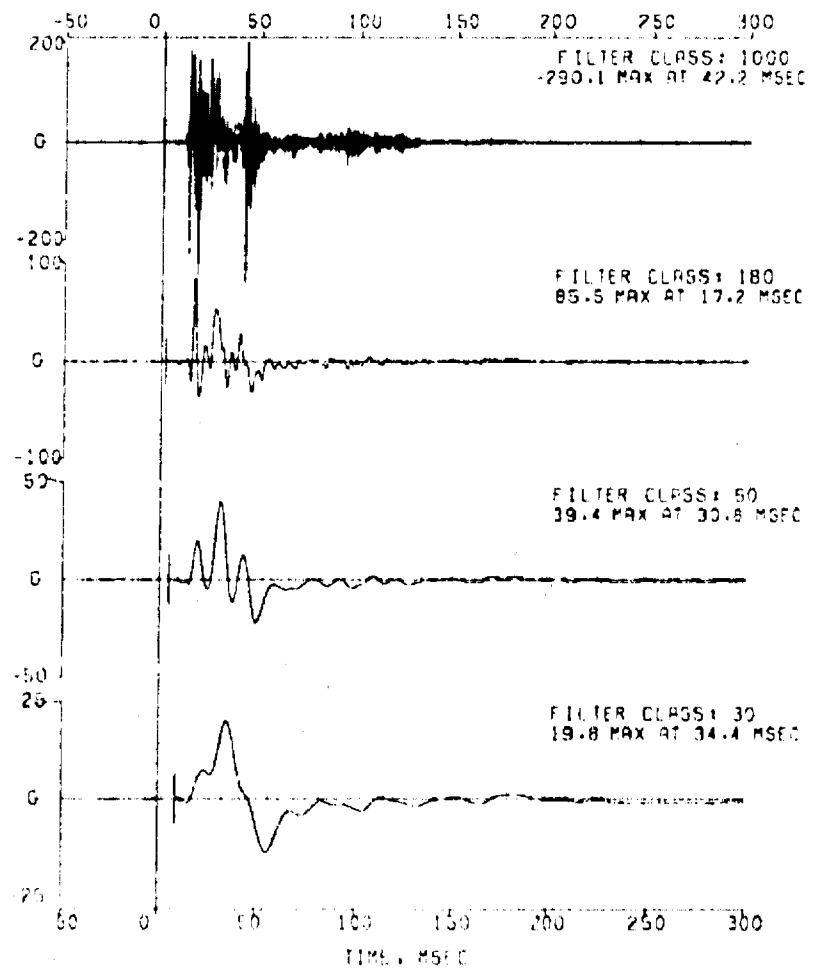


COMPUTED MPH
COMPUTED IN

VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FHVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 018 RT RL RR AXLE PIVOT Z BS9353
FILTER TYPE: HBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

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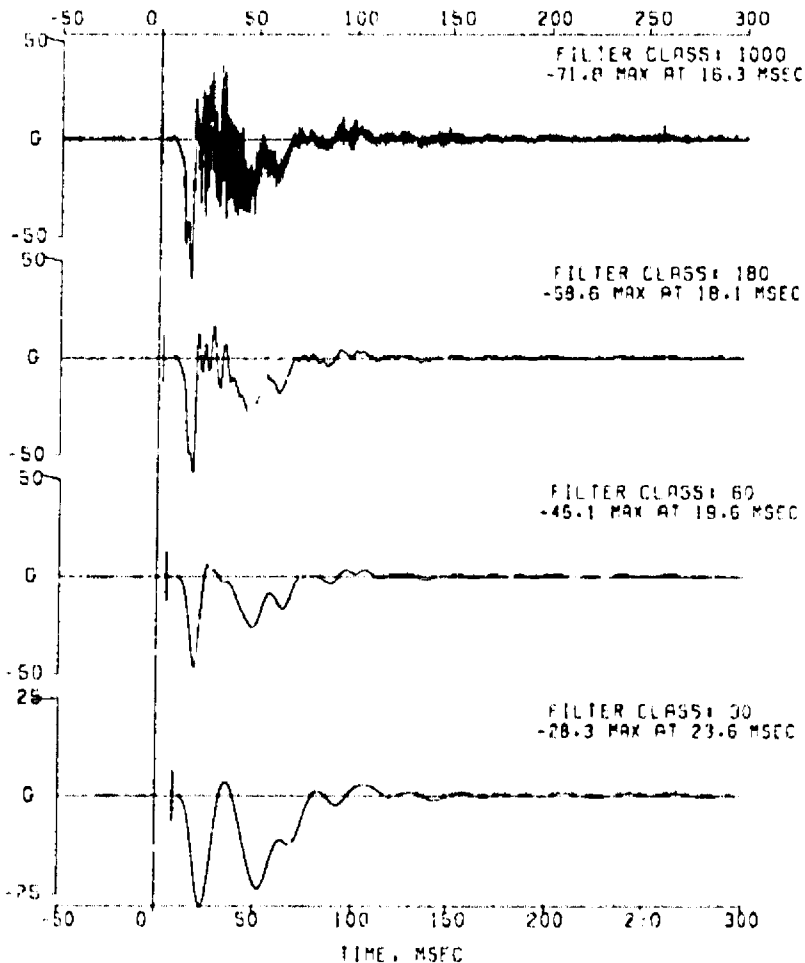
DATA SET 03/31/99R
ERRATA 1



VC06988 30 MPH REAR IMPACT, TJJ-77 ITEM TJS734
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 019 LT FRAME R/F E X 226557

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FILTER TYPE: 030MS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SFT 03/31/989R
APR 6-1998 ERRATA 1



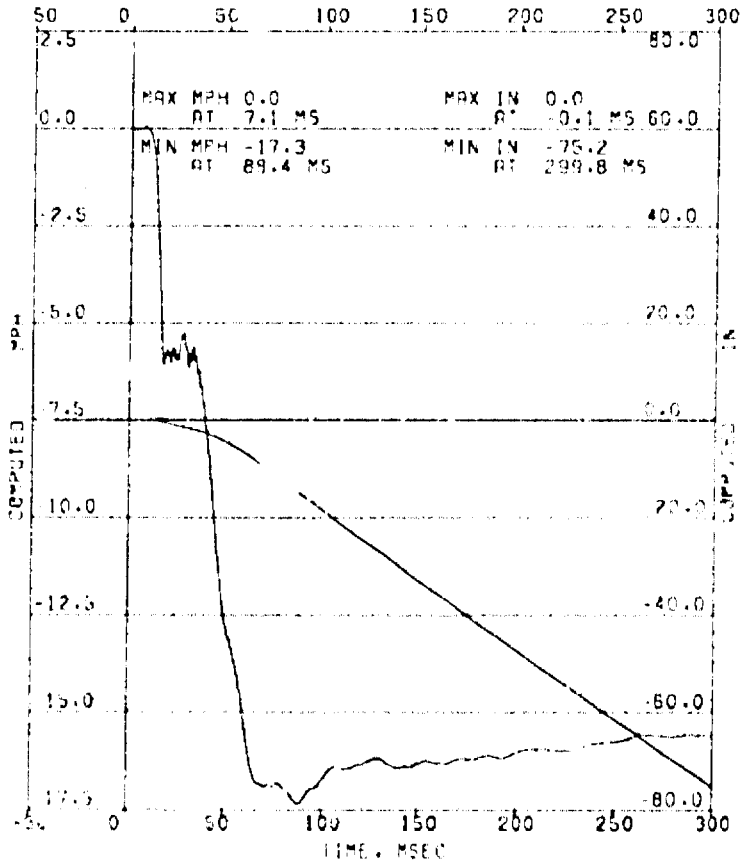
Y006988 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
 1999 FMYSS 301 & TRIAS 33 COMPLIANCE
 CHANNEL 019 LT FRAME RL FT X 226557

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 OF 048

FILTER TYPE: 09DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 APR 6, 1998

DATA SET 09/31/98BR
 ERRATA 1

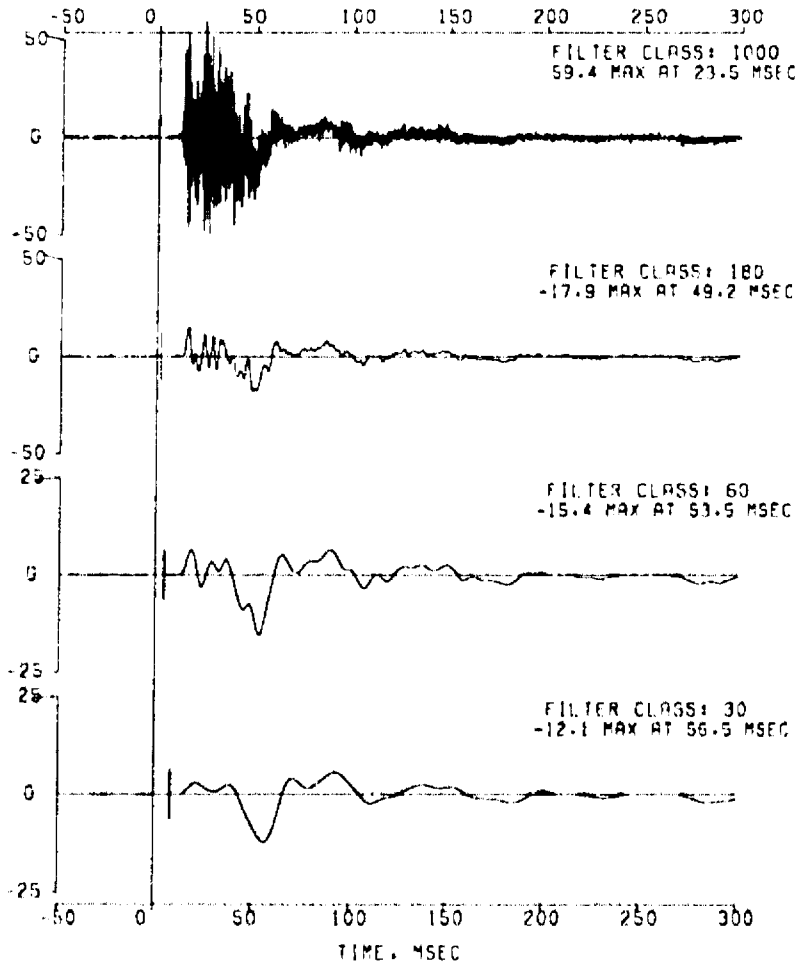


COMPUTED MPH
 COMPUTED IN

VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 020 LT FRAME RL FT Z 14492
FILTER TYPE: 08045-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

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DATA SET 03/31/98BR
ERRATA 1

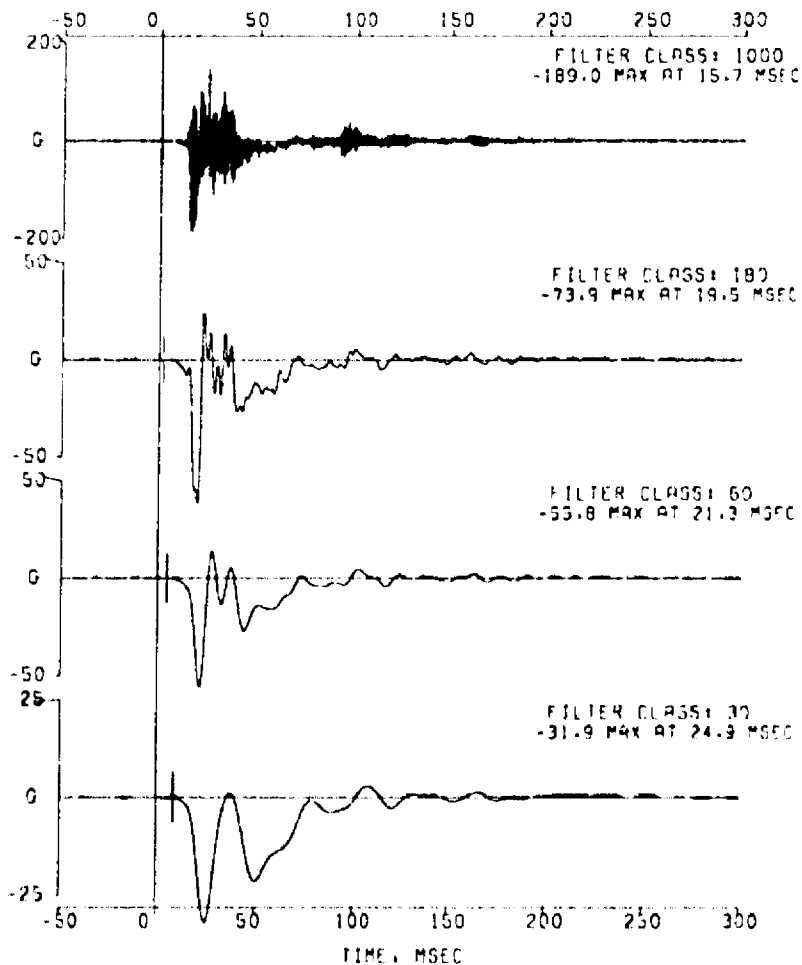


VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 021 RT FRAME RL FT X 659332

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OF 048

FILTER TYPE: 080AS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(16501)
IMPACT ANALYSIS DEPT. 5320
APR 6.1999

DATA SET 03/31/98BR
ERRATA 1



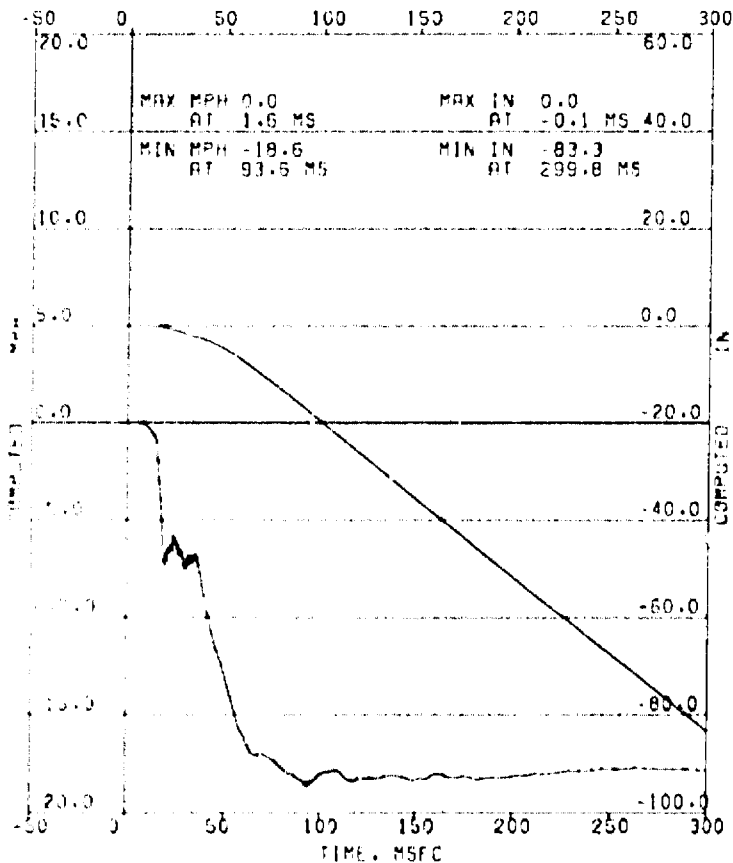
VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 021 RT FRAME RL FT X 650332

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FILTER TYPE: OBCAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

DATA SET 03/31/98BR
ER1ATA 1



COMPUTED MPH
COMPUTED IN

VC06908 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794

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1999 FMVSS 301 & 191AS 33 COMPLIANCE

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CHANNEL 022 RT FRAME RL FT

Z 658723

FILTER TYPE: OBDAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER: 16501

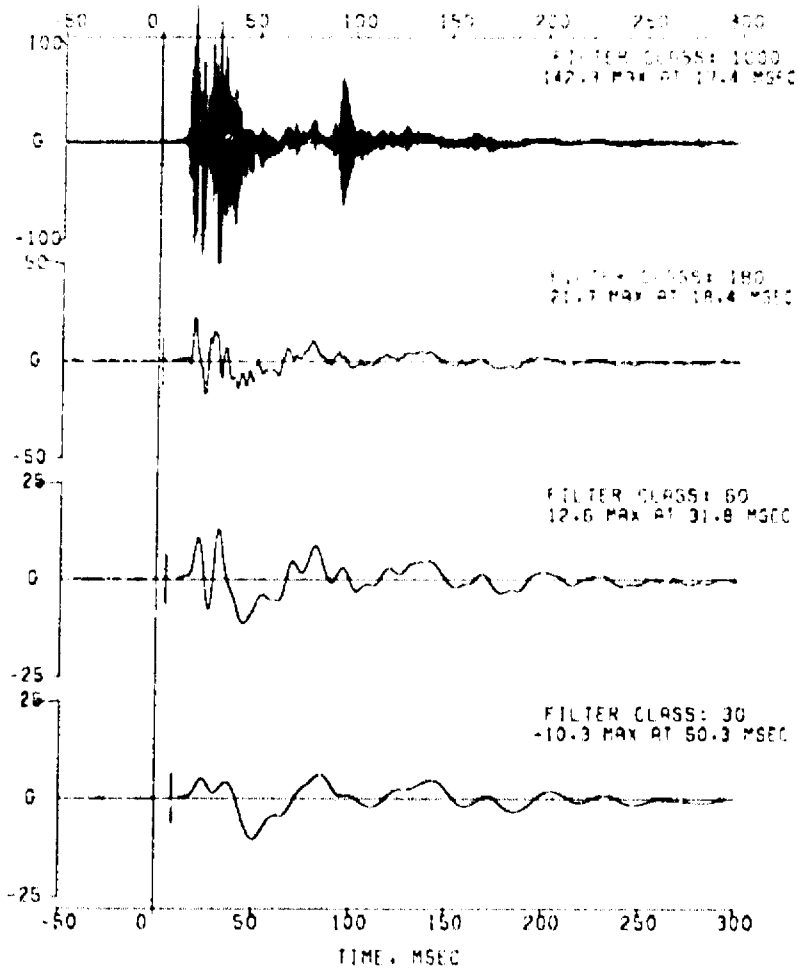
IMPACT ANALYSIS DEPT. 5320

DATA SET 03431788AR

APR 6, 1999

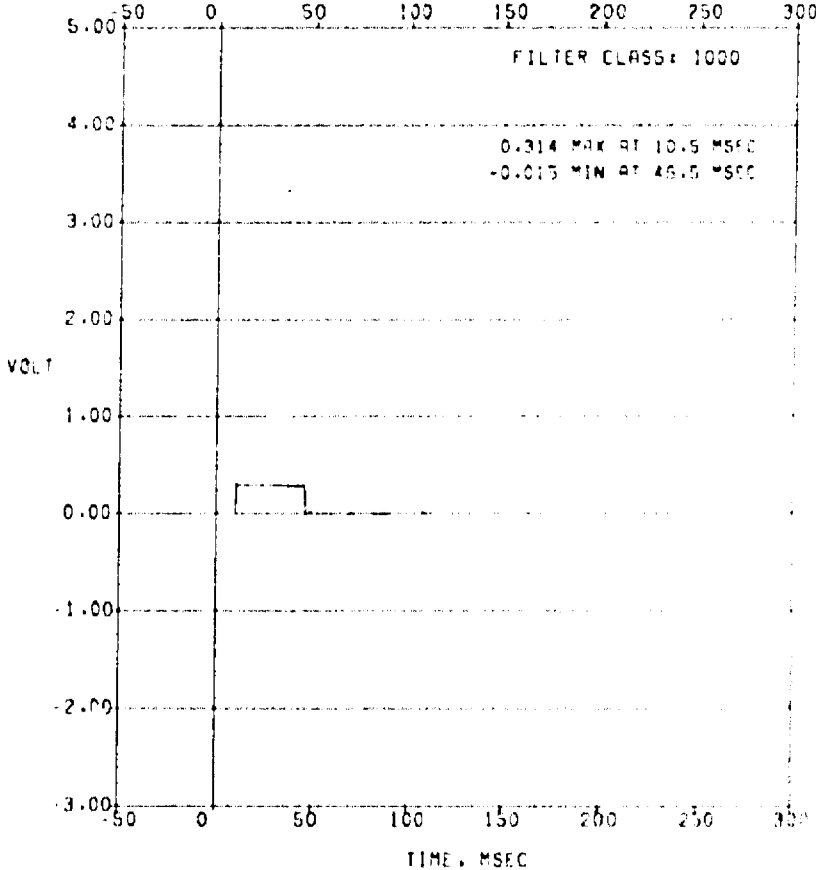
ERRATA

1



CHANNEL 023 RR BUMPER LT EVENT EE

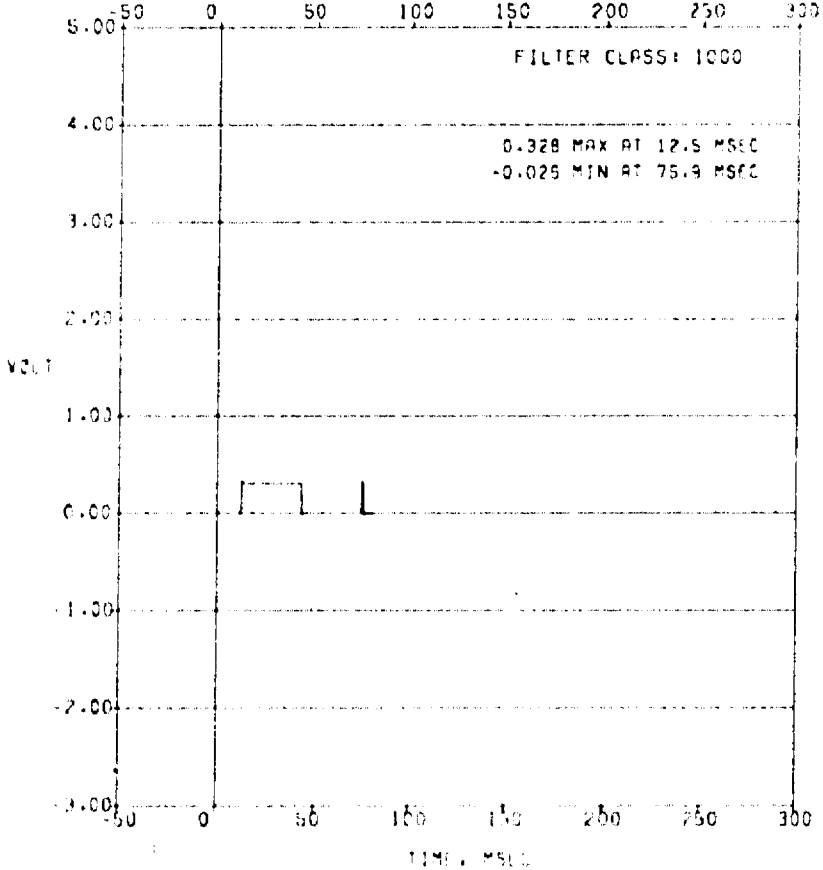
FILTER TYPE: 380AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 03/31/98BR
APR 6, 1998 ERRATA 1



***** NOISE *****
***** CHANNEL 23 RR BUMPER LT EVENT *****
***** EVENT AT 10.2 MSEC *****

CHANNEL 024 RR BUMPER RT EVENT EE

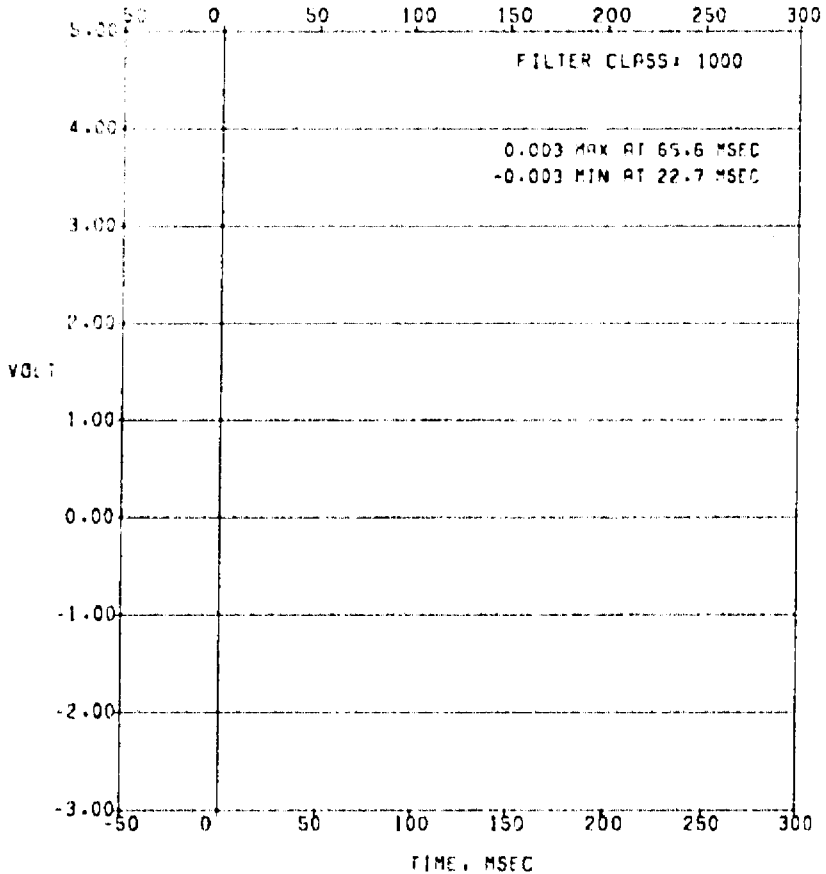
FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1600)
IMPACT ANALYSIS DEPT. 5320 DATA SET 03/31/99RR
APR 6, 1999 ERRATA I



..... 531
..... 03 24 99 00:00:00
..... 1999 03 31 1999 00:00:00

CHANNEL 025 TRILDATE LT EVENT EE

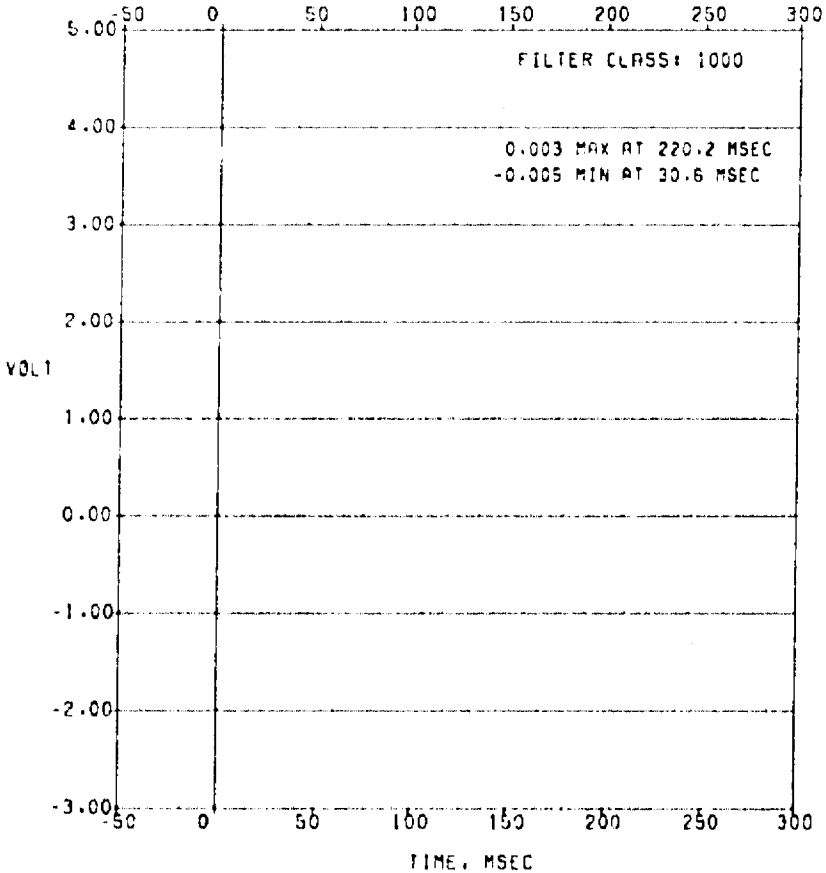
FILTER TYPE: 280AS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5370 DATA SET 03/31/98BR
RNR 6.1958 ERRATA 1



..... NOTE

CHANNEL 026 TAILGATE RT EVENT EE

FILTER TYPE: 080AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(16S01
 IMPACT ANALYSIS DEPT. 5320 DATA SET 03/31/98BR
 APR 6, 1998 ERRATA 1

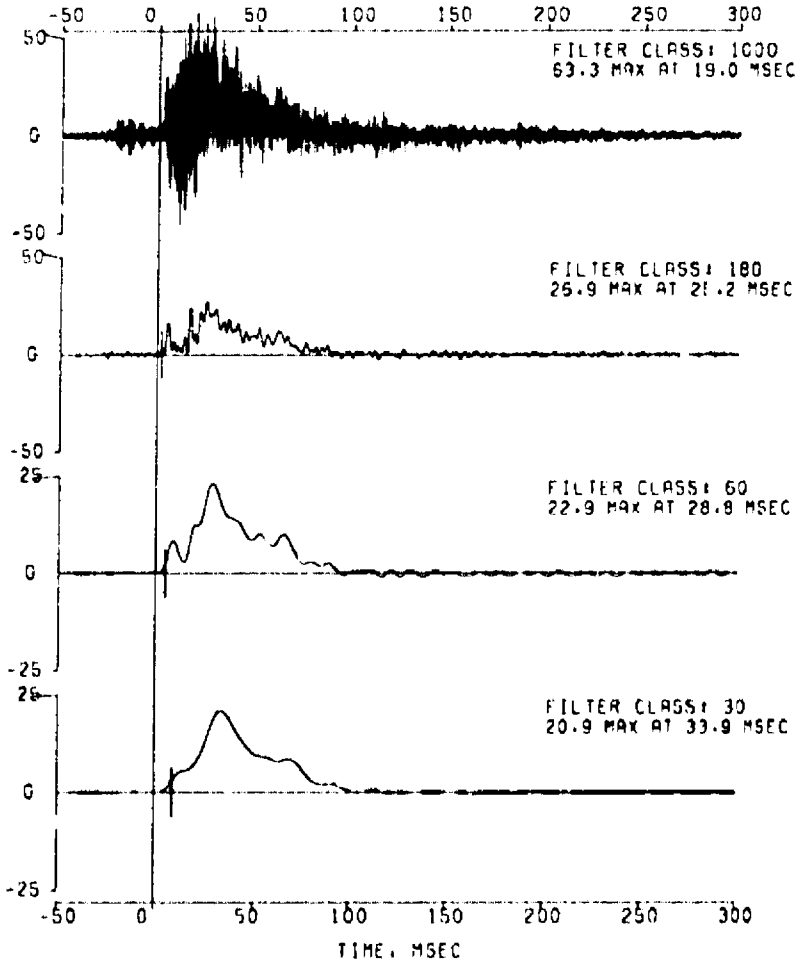


..... NOTE
 CHL 26 TAILGATE RT EVENT
 NO EVENT

VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 033 LT RAIL MBAR MID X 658290
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER116501
IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

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DATA SET 03/31/9885
ERRATA 1



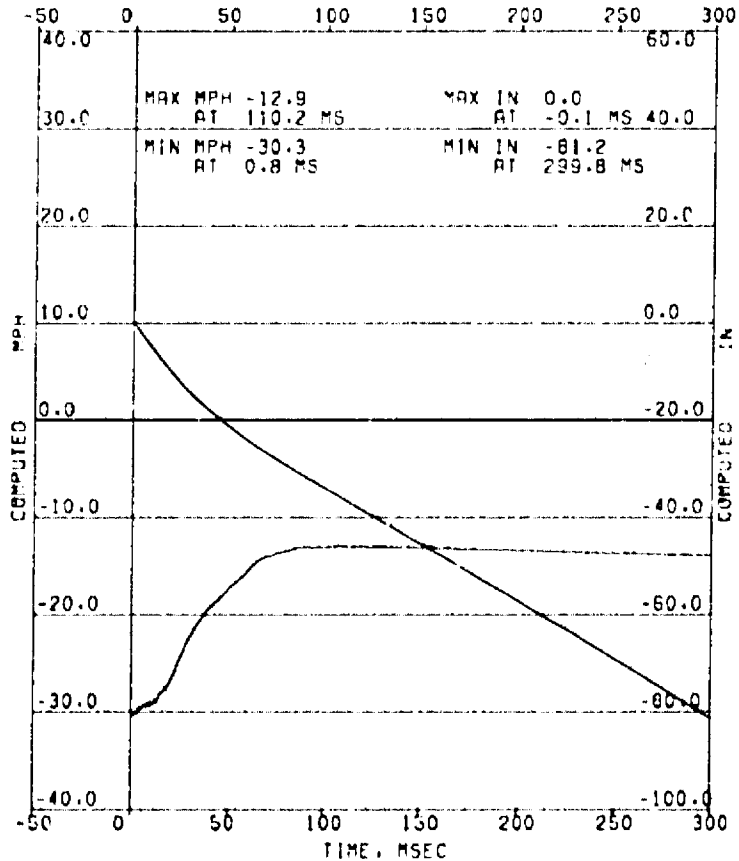
VC06888 30 MPH REAR IMPACT, 1JJ-77 ITEM TJ5794
1999 FMYSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 033 LT RAIL MBAR MID X 658290

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OF 048

FILTER TYPE: 080AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

DATA SET 03/31/98BS
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC06888 30 MPH REAR IMPACT. TJJ-77 ITEM TJS794

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1999 FMVSS 301 & TRIAS 33 COMPLIANCE

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CHANNEL 034 RT RAIL MBR MID X 658292

FILTER TYPE: QBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

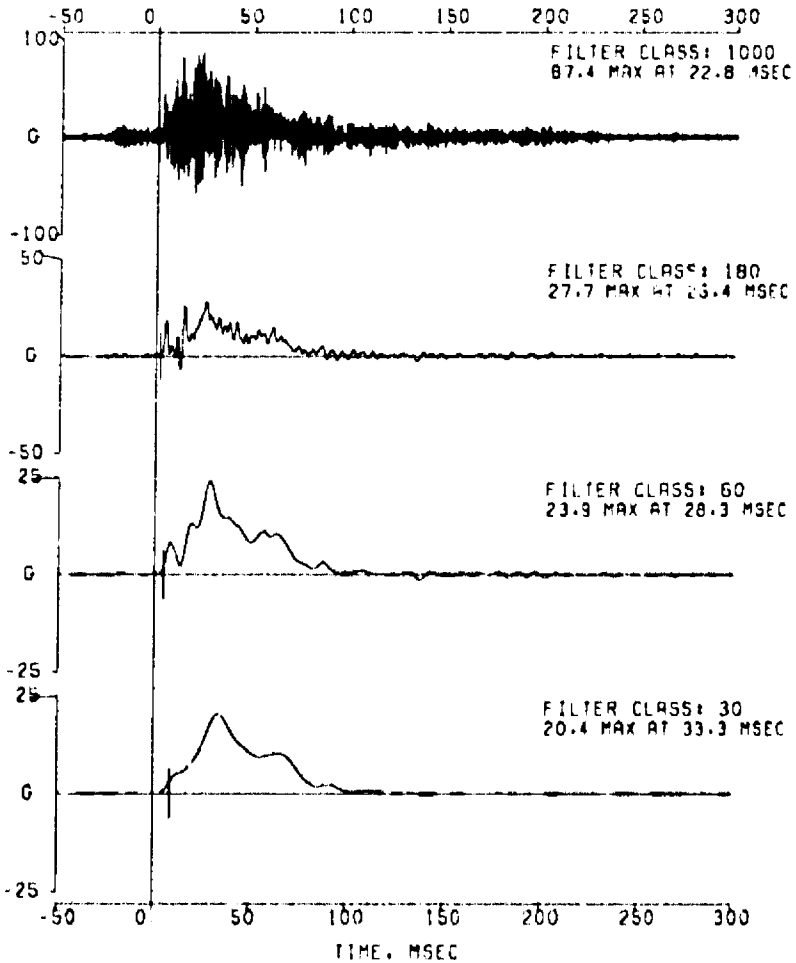
IMPACT ANALYSIS DEPT. 5320

DATA SET 03/31/9805

APR 6.1999

ERRATA

1



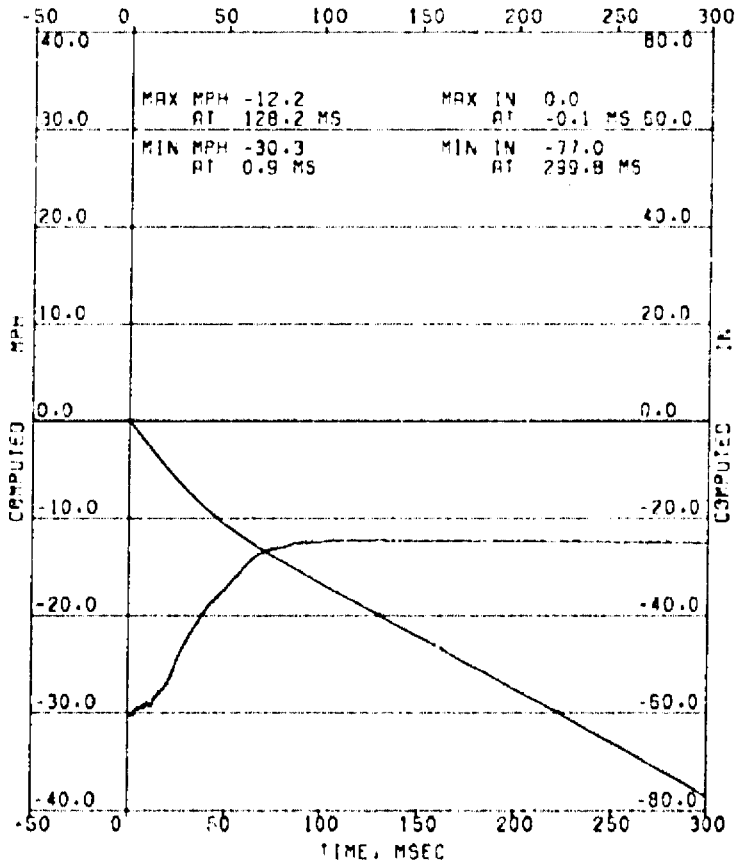
VC06800 30 MPH REAR IMPACT, TJJ-77 ITEM TJS794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE
CHANNEL 034 RT RAIL MBAR MID X 658292

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OF 048

FILTER TYPE: 000AS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 6, 1998

DATA SET 03/31/98BS
ERRATA 1



COMPUTED MPH
COMPUTED IN

INTER COMPANY CORRESPONDENCE

DATE 05/13/98

TO
DISTRIBUTIONFROM
R. A. NAGELDEPARTMENT PLANT/OFFICE
5320 CFCCIMS NUMBER
4810027

SUBJECT:

REAR DYNAMIC CRUSH ANALYSIS
 VC06888 30 MPH REAR IMPACT, TJJ-77 ITEM TUST84
 1999 TRUCKS 301 & TRIAS 33 COMPLIANCE
 TEST DATE 03/31/98

TEST PURPOSE PRIMARY, 1999 USA 301 COMPLIANCE.
 DETERMINE FUEL SYSTEM INTEGRITY.
 PRIMARY, 1999 TRIAS 33 COMPLIANCE.
 DETERMINE FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED: 30.0 MPH
 DAMAGE LOCATION: REAR
 BARRIER TYPE: REAR TYPE IV
 BARRIER SURFACE: PLYWOOD

VEHICLE BODY CLASS: J
 CAR LINE: J
 BODY: 77
 ENGINE: 4.0 LITRE
 ENGINE NOTE: ELECTRONIC FUEL INJECTION
 TRANSMISSION: 3 SPEED AUTO 4W4
 TRANS. NOTE:
 VIN AS TESTED: 1J4FY4950XP [REDACTED] 700.
 VIN AS BUILT: 1J4FY4950XP [REDACTED] 730.

TEST SPEED 30.3 MPH BY ELECTRONIC TRAP.

TEST WEIGHT (LBS): 415; TOTAL, 2108 FRONT, 2053 REAR

OCCUPANTS LEFT FRONT, HYBRID II, BALLAST 40-52
 RESTRAINT-BELTED
 RIGHT FRONT, HYBRID II, BALLAST 40-61
 RESTRAINT-BELTED

BUILD CONDITION 1999 WRANGLER (TJ) CI PILOT VEHICLE,
 NEW PRODUCTION INTENT TAILGATE STRIKER PIN AND
 BRACKET (PREVIOUSLY UNTESTED);
 1999 PRODUCTION INTENT FRAME
 SAHARA PACKAGE
 19.0 GALLON FUEL TANK
 FULL-SIZED SPARE - 16" X 30" ALUMINUM WHEEL

TARGET WEIGHT (LBS): 3533 TOTAL, 1760 FRONT, 1873 REAR
 REPRESENTS 4.0L MAXIMUM GATION WEIGHT
 DOES NOT INCLUDE LUGGAGE AND/OR OCCUPANTS

TEST VC06888 05/13/98 10.38 PAGE 1 OF 2

FUEL AND BALLAST 18.5 GALLONS STOCARD SOLVENT
200 LBS OF LUGGAGE BALLAST
75 LBS OF BALLAST SECURED TO RF FLOORPAN.
25 LBS OF BALLAST SECURED TO LF FLOORPAN.

POST TEST REMARKS LEFT SILL WAS DISTORTED.

DYNAMIC CRUSH, PITCH, AND REAR WHEEL MOTION RELATIVE TO THE FRONT
SILL HAVE BEEN DETERMINED BY FILM ANALYSIS. TIME WAS BASED ON
CAMERA TIMING DATA.

DYNAMIC CRUSH 17% +CR- 1 INCH AT 59. +CR- 5 MSEC.

C. M. Durst
C. M. DURST

R. R. Nagel
R. R. NAGEL

GRAPHS - 4

G L O S S A R Y O F T E R M S

U S E D I N S T A N D A R D R E P O R T S

AD	ANTHRAGRAPHIC DEVICE
ADT	ANTHRAGRAPHIC TEST DEVICE
BASE COORD	BASE COORDINATE SYSTEM
CL	CENTERLINE
CAR COORD	CAR COORDINATE SYSTEM
CCW	COUNTER CLOCKWISE
CORR-IN	SEPARATION IN INCHES (MINUS INITIAL LENGTH)
CORR-PP	SEPARATION IN MILLIMETERS (MINUS INITIAL LENGTH)
CORR-P	CORRECTED (ZEROED) PITCH
CORR-R	CORRECTED (ZEROED) ROLL
CORR-Y	CORRECTED (ZEROED) YAW
CM	CLOCKWISE
EPI	ELECTRONIC FUEL INJECTOR
ENG	ENGINE
ENG P	ENGINE PITCH AND YAW
ESM	FRONT END SHEET METAL
FIDUCIAL	REFERENCE POINT OR TARGET
FS	FRONT SILL TARGET
FWD	FORWARD
IP	INSTRUMENT PANEL TARGET
LBS	POUNDS
LCP-LCP	LEFT C-POST & QUARTER PANEL TARGETS
LFS-LFS-LMS	LEFT FRONT SILL, MID SILL, & REAR SILL TARGETS
L	LEFT
MS	MID SILL TARGET
NORMALIZE	PUT ON A COMMON BASIS
NOSE-DOWN	LEADING END BELOW TRAILING
NOSE-UP	LEADING END ABOVE TRAILING
PERF	PERFORMANCE
REF	REFERENCE
REL	RELATIVE TO (ONE-DIMENSIONAL)
RCP-RCP	RIGHT C-POST & QUARTER PANEL TARGETS
RS,RTS,RRS	RIGHT FRONT, MID, & REAR SILL TARGETS
ROLL-LEFT	LEFT SIDE LOWER THAN RIGHT
ROLL-RIGHT	RIGHT SIDE LOWER THAN LEFT
R	RIGHT
R	RIGHT
SEP	SEPARATION OF (THREE-DIMENSIONAL)
SIS	SYSTEM
TOI	THRUST BODY INJECTOR
TIME,MS	TIME IN MILLISECONDS
UB	UNDERBODY
V	VERSUS
X	LONGITUDINAL AXIS (INCREASING TOWARD TRAILING EDGE)
Y	X-FILTERED
Y	LATERAL AXIS (INCREASING TO THE RIGHT)
YAW-LEFT	LEADING EDGE TO LEFT
YAW-RIGHT	LEADING EDGE TO RIGHT
Z	VERTICAL AXIS (INCREASING UPWARD)
ZERDED	UNITED TO START AT ZERO
ZERD-IN	ZERDED INCHES
ZERD-MM	ZERDED MILLIMETERS

IMPACT ANALYSIS
DEPARTMENT 3300
3513 BR 10, 78
TEST VC06888

VLC6888 30 MPH REAR IMPACT, TJJ-77 ITEM TJJ794
 1999 FMVSS 301 & TRIAS 33 COMPLIANCE

ZERGED X MOTION OF F3 REL TO LFS IN BASE COORD SYS
 VERSUS TIME IN MILLISECONDS

REAR DYNAMIC CRUSH AND REAR WHEEL MOTION ANALYSIS

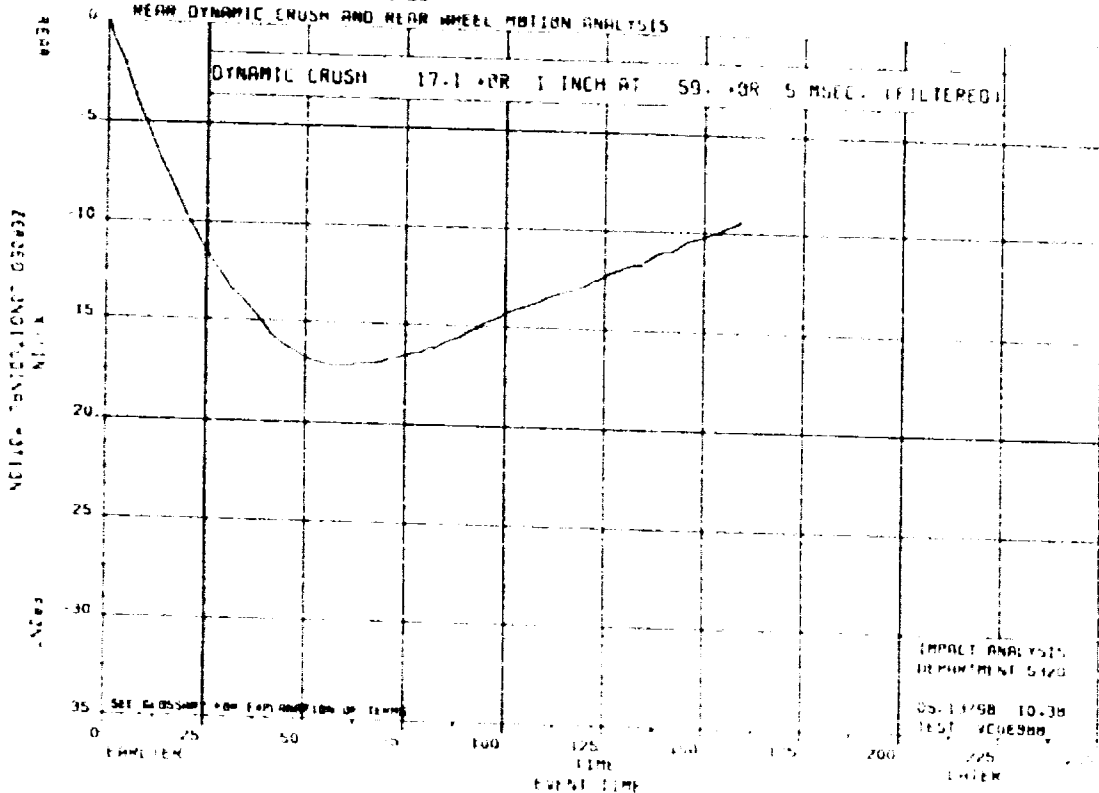
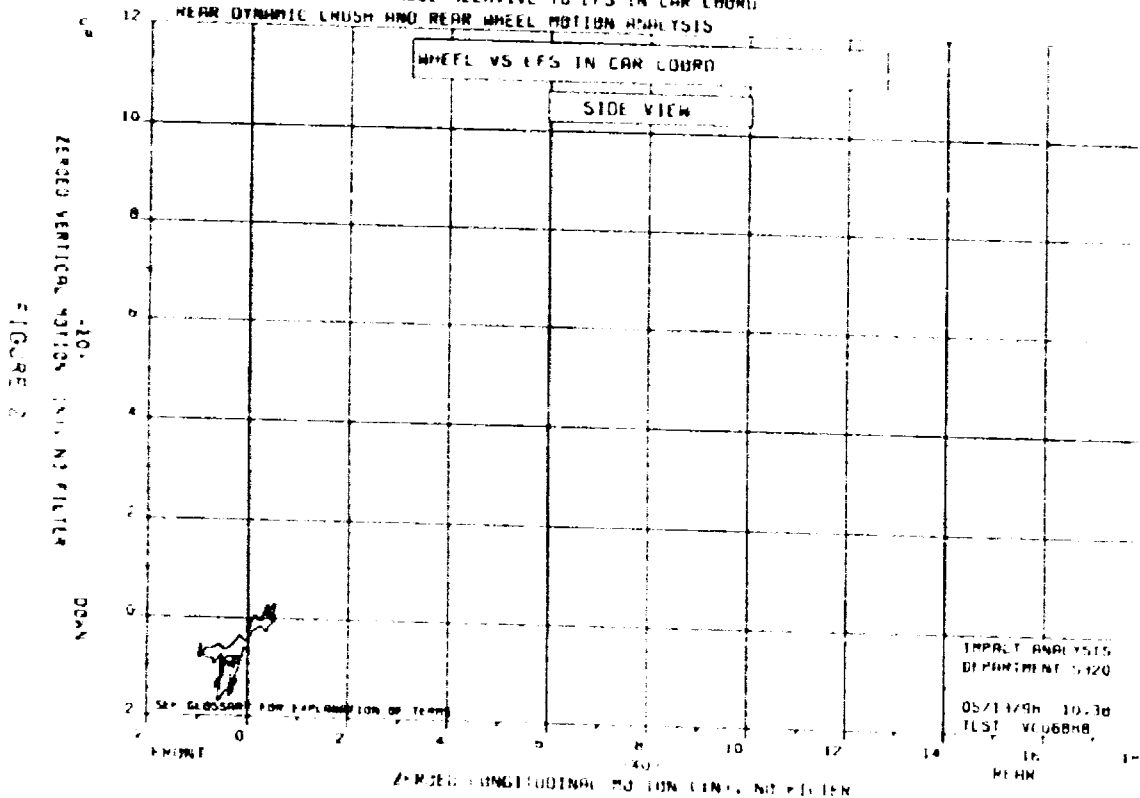


FIGURE 1

VLO6888 30 MPH REAR IMPACT, TJJ-77 ITEM TJJ794
1995 FMVSS 301 & TRIAS 33 COMPLIANCE

Z-AXIS Z OF WHEEL RELATIVE TO LFS IN CAR COORD
VERSUS Z-AXIS X OF WHEEL RELATIVE TO LFS IN CAR COORD
REAR DYNAMIC CRASH AND REAR WHEEL MOTION ANALYSIS



VC06888 30 MPH REAR IMPACT, 1JJ-77 ITEM TJS794
 1999 FMVSS 301 & TRIAS 33 COMPLIANCE

ZERGED PITCH OF LMS TO LFS IN BASE COORD SYSTEM
 VERSUS TIME IN MILLISECONDS

REAR DYNAMIC CRASH AND REAR WHEEL MOTION ANALYSIS

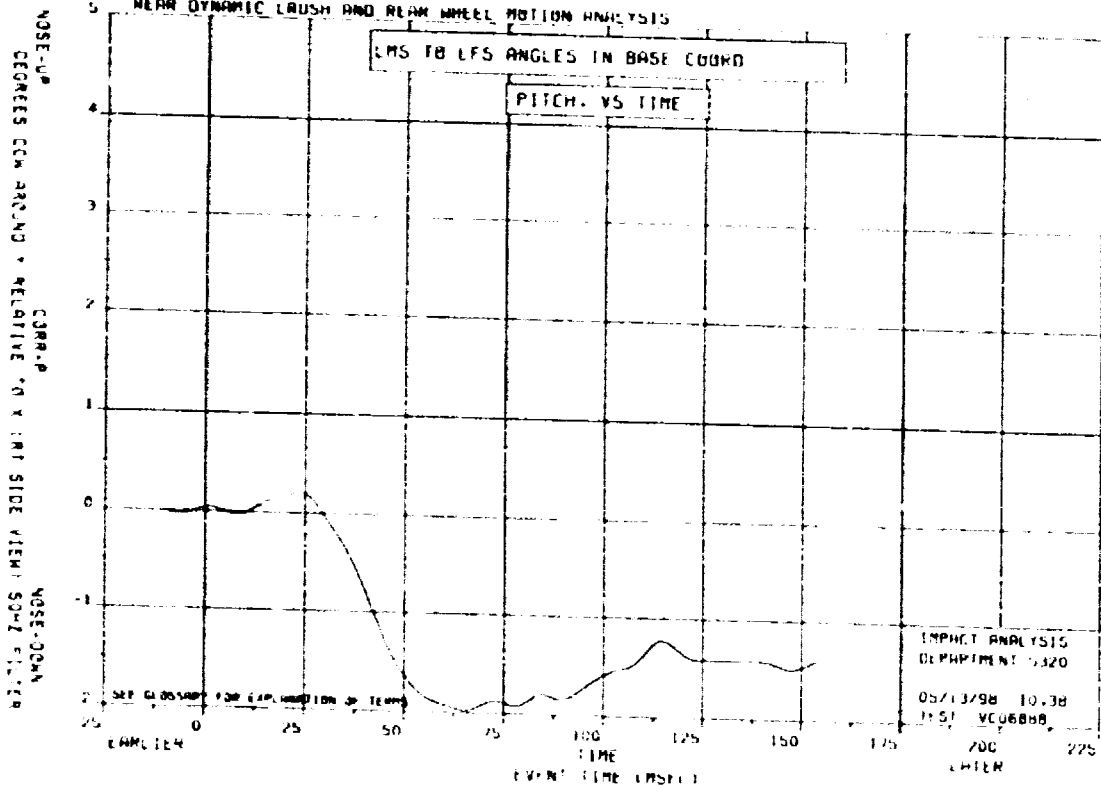


FIGURE 3

VC06888 30 MPH REAR IMPACT, IJJ-77 ITEM IJ5794
1999 FMVSS 301 & TRIAS 33 COMPLIANCE

LMS TO LFS DISTANCE -24.08 INCHES (INITIAL DIST IN)
VERSUS TIME IN MILLISECOND

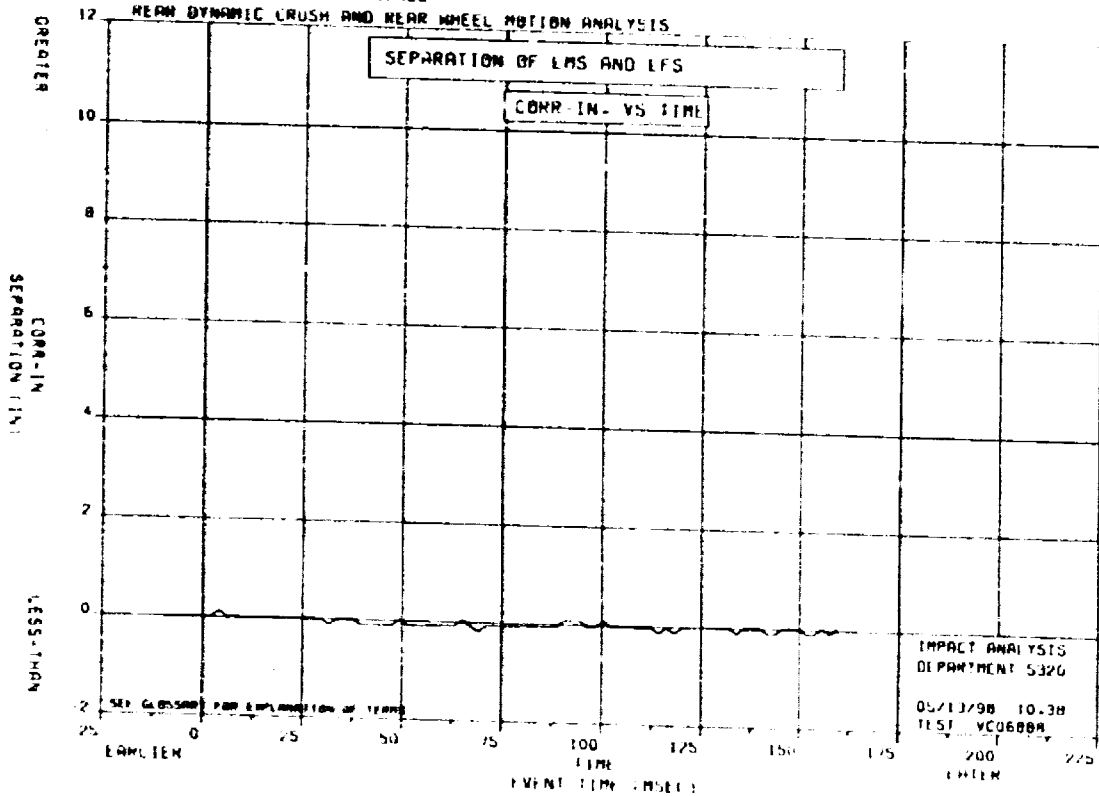
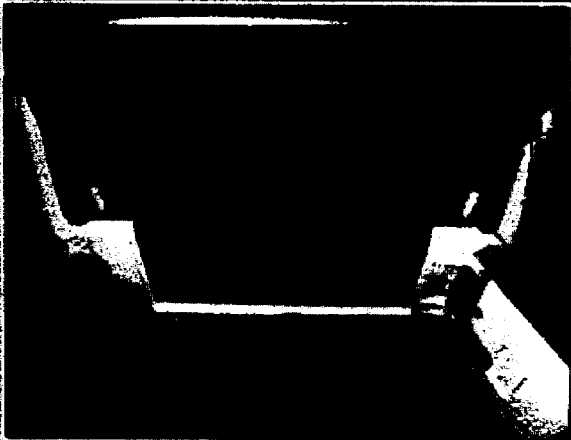
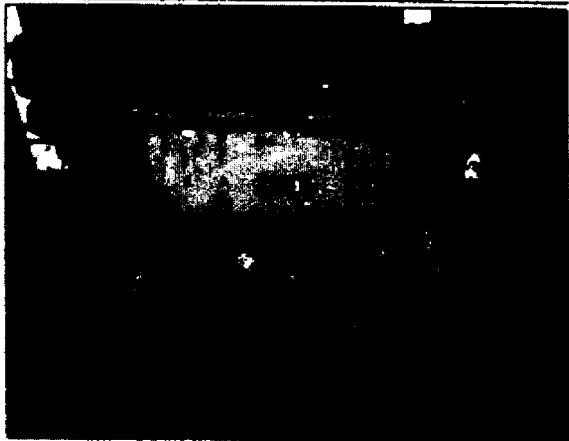


FIGURE 4

127



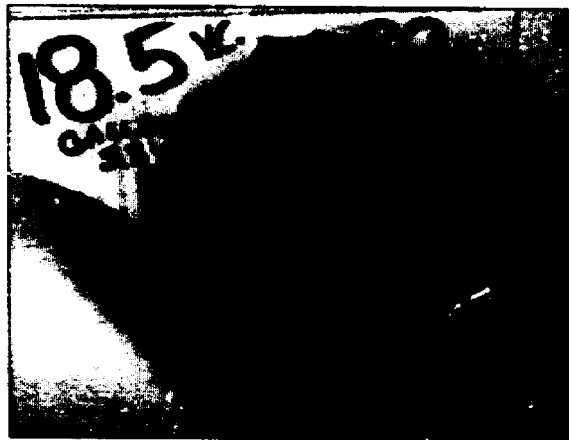
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000003.jpg

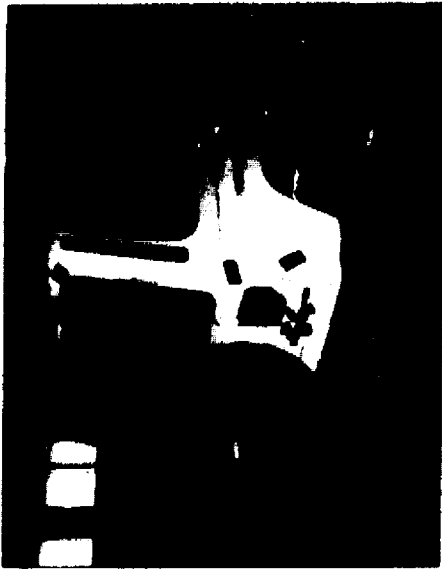


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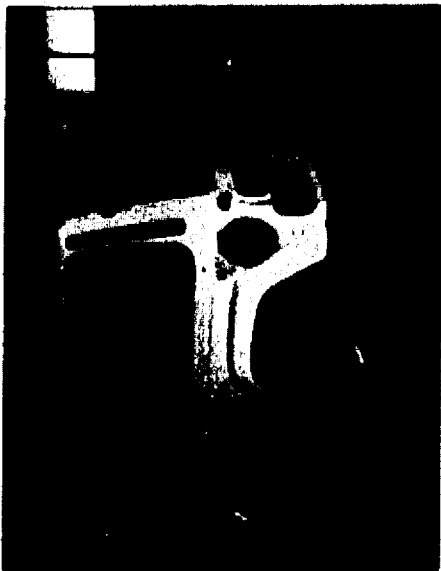


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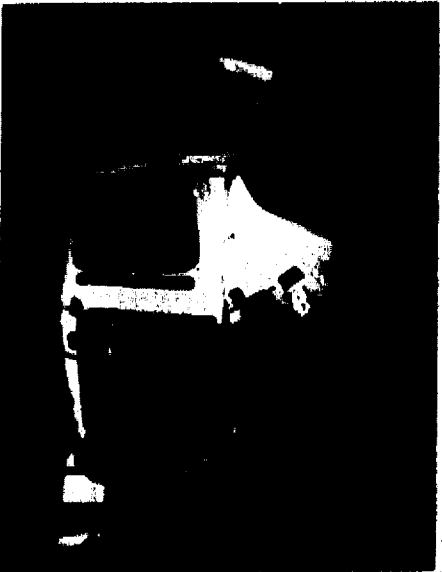
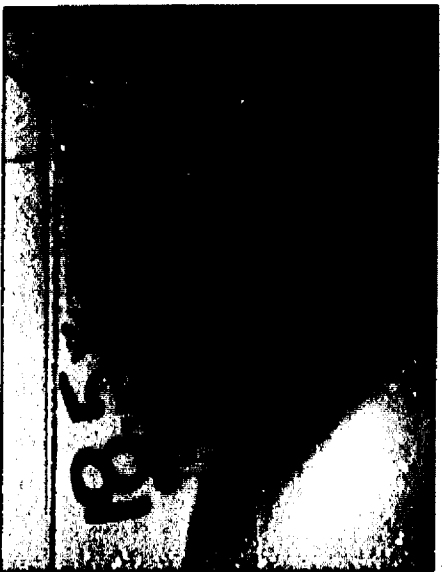
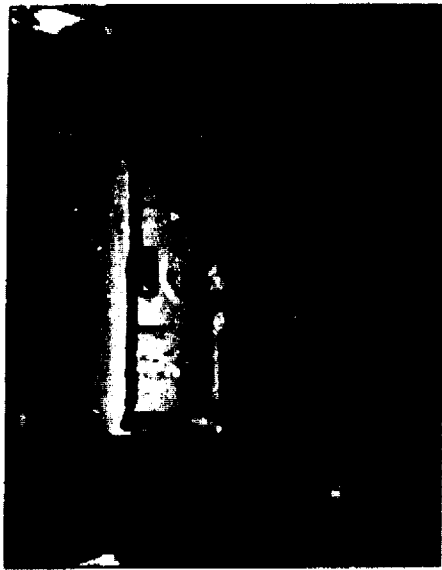
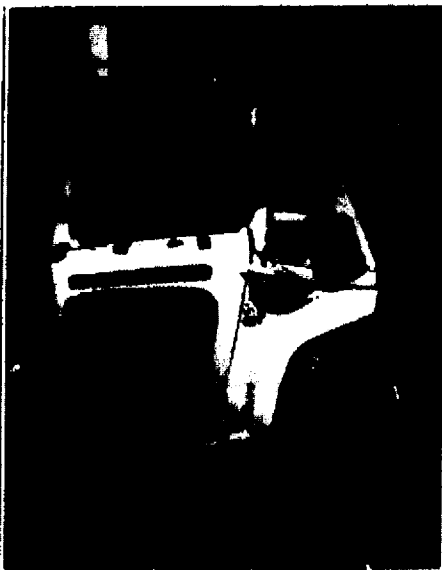
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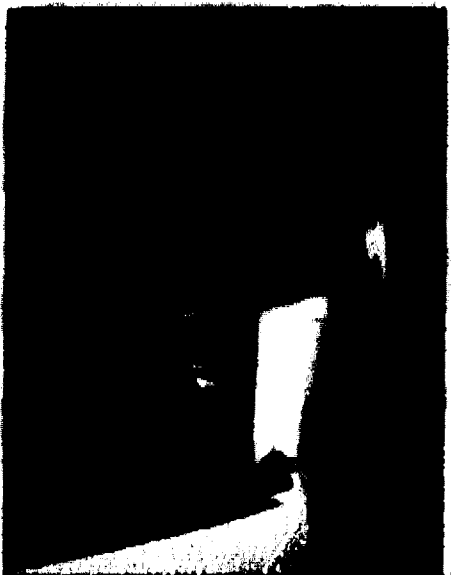


111111





0118



0119

Retrieval Methods Inc.
1142 E. Big Beaver Rd.
Troy, MI 48063

Declaration of Intent and Purpose

I Christine Irwin

Employed by Retrieval Methods Inc., do hereby declare that the records microfiched herein are actual records of DaimlerChrysler Corp. created during its normal course of business and that it is the express intent and purpose of this organization to return all original records microphotographed herein.

Date: 06-13-02

Microfiche Operator Christine Irwin

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

1997 - 2006 Wrangler (TJ)

Compliance

VC07576

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

ITEM TJ5207 CHARGE NO. 2KFUELSYS ISSUE DATE 04-MAY-99

VC 7576 30-MPH REAR IMPACT, TJ-U-77.
2000 FMVSS 301 & TRIAS 33 COMPLIANCE.

TEST DATE _____/_____/_____ ENGINEER _____
SPEED _____ MPH SOURCE _____

TEST PURPOSE PRIMARY, 2000 USA 301 COMPLIANCE.
TEST FUEL SYSTEM INTEGRITY.

PRIMARY, 2000 HOMOLAGATION.
TRIAS 33 - REAR IMPACT.

IMPACT TYPE TARGET SPEED; 30.0 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; U
BODY; 77
ENGINE; 4.0 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 3 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4L449SXYP [REDACTED] MOD.
VIN AS BUILT; 1J4L449SXYP [REDACTED] MOD.

BUILD CONDITION 2000 RHD C-1 JEEP WRANGLER:
* FUEL TANK CONTAINS ALFMEIER ROLL-OVER VALVES
* FUEL FILL BEZEL MATERIAL CHANGE TO CONDUCTIVE
PLASTIC [STAT-KON M-1]
* ANTI-CHUCKING REAR TAILGATE STRIKER PIN

TARGET WEIGHT (LBS) 3583 TOTAL, 1749 FRONT, 1834 REAR.
REPRESENTS 4.0L, MAXIMUM OPTION WEIGHT.
NOT INCLUDING LUGGAGE OR OCCUPANTS.

TEST WEIGHT (LBS) _____ TOTAL, _____ FRONT, _____ REAR

FUEL BALLAST 18.5 GALLONS STODDARD SOLVENT.

LUGGAGE BALLAST 200 LBS LUGGAGE BALLAST

OTHER BALLAST _____

POST TEST REMARKS _____

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

OCCUPANTS LEFT FRONT, HYBRID II, BALLAST AD NO _____
RESTRAINT-BELTED
RIGHT FRONT, HYBRID II, BALLAST AD NO _____
RESTRAINT-BELTED

MECHANICAL REQ PRESSURE CHECK FUEL SYSTEM PRETEST WITH PUMP ON.
FUEL PUMP TO BE RUNNING DURING TEST.
MEASURE VEHICLE ATTITUDE PRE & POST BUILD-UP,
AND ADJUST ACCORDINGLY.
PAINT REAR SUSPENSION, FRAME, FUEL TANK, FILL AND
VENT TUBES FOR PIT VIEWS.
REMOVE REAR WHEEL WELL SPLASH GUARDS AND FENDER
FLARES.
ROLL OVER POST TEST.

INSTRUMENTATION REQ ACCELEROMETER LOCATIONS PER PREVIOUS TEST PHOTOS.
BI-AXIAL ACCELEROMETERS (X & Z) AS FOLLOWS:
1 FRONT SILL, LEFT
1 FRONT SILL, RIGHT
INSURE AIRBAGS DO NOT DEPLOY.

PHOTOGRAPHIC REQ 1 OVERALL PIT SHOT
1 PIT CLOSE-UP OF AXLE TO TANK
1 LEFT-SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
AT IMPACT
1 LEFT SIDE EKTAPRO HIGH SPEED VIDEO OF REAR OF
VEHICLE AT IMPACT
1 VELOCITY CAMERA
1 CATWALK CAMERA CLOSE-UP OF REAR OF VEHICLE

POST TEST DIGITAL OVERALLS AND UNDERBODIES.

FILM ANALYSIS VEHICLE VELOCITY - ONLY IF REQUESTED
DYNAMIC CRUSH - ONLY IF REQUESTED

REMARKS TEST REQUEST WRITTEN BY STEVE TAYLOR
TIE LINE: 733-2489

RETURN VEHICLE TO PROC POST-TEST, ATTN: PAM MORTON

SEND 1 COPY OF FILM & 1 COPY OF VIDEO TO:
E.A. ZYLIK, CIMS: 514-17-41

T. E. REPORT FUEL SYSTEMS REPORT

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

DISTRIBUTION

E.A. ZYLIK	514-17-41	(AB)
D. HALE	514-15-67	(AB)
M.T. STEBELTON	422-05-01	(AB)

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC7576, ITEM NUMBER TJ5207 TEST ENGINEER MARTIN

V.I.N. 1J4L449SXYH TEST DATE 5/28/99 ROLL DATE 6/1/99

TEST TYPE; 30 MPH REAR MOVING BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.5 GALLONS

TEST SPEED 303 MPH, TEST WEIGHT 4113 POUNDS.

POST IMPACT LEAKAGE(OZ); AT IMPACT 0

1ST 5 MIN. 0

NEXT 25 MIN. 0

POST TEST PRESSURE CHECK N/A

ELECTRIC FUEL PUMP RUN N/A

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE DRIVER SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME					TOTAL	
0-90	1ST 5 MIN				0	*
<u>1:35</u>	POST 5 MIN				0	**
90-180	1ST 5 MIN				0	*
<u>1:34</u>	POST 5 MIN				0	**
180-270	1ST 5 MIN				0	*
<u>1:24</u>	POST 5 MIN				0	**
270-360	1ST 5 MIN				0	*
<u>1:28</u>	POST 5 MIN				0	**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS _____

LAST FORM MODIFICATION 08/22/96 - GAB (TESTOBS896, DOCVCFORMS)





WRANGLER
4DL
7576
Jeep

7576

18.5

S.

7576

This fuel system has been purged and pressure checked. 3 gallons of modified solvent has been added.
By (M) C.H. [Signature]
1/28/2001



7576

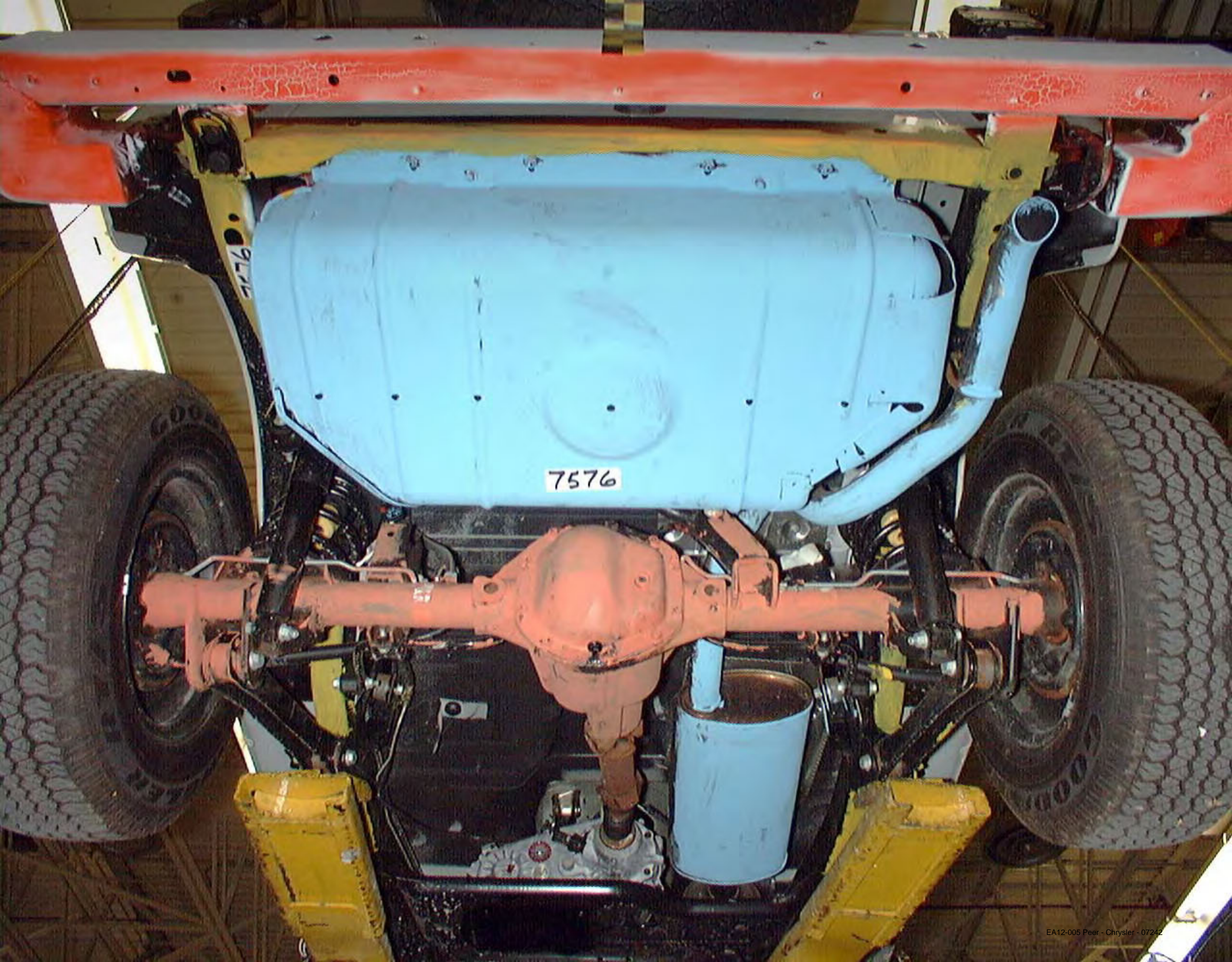
CHRYSLER
CORPORATION
MOPAR
PARTS
DIVISION

7576



7576





7576

9276





U.

7576

This fuel system has been purged and pressure checked. 1 gallon of modified solvent has been added to the system. *Billie Rich*



POINT
SIZE

4
6
8

10
12
14

2abiy Gmn0c
15o3o E19g

7n34a k2b8t
D6fmh 9st9d

Wcuzl l1cdg
6Y3sl Okjdg

FUTURA

NEWS GOTHIC

14 K2b8t Okjdg
4ef8k Gmn0c

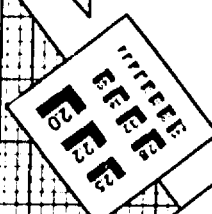
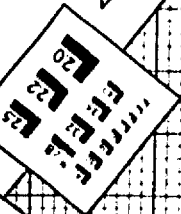
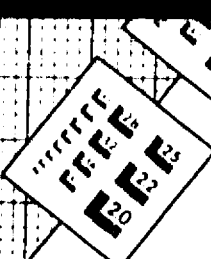
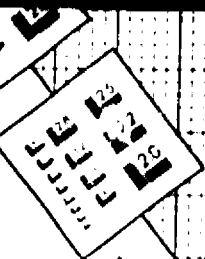
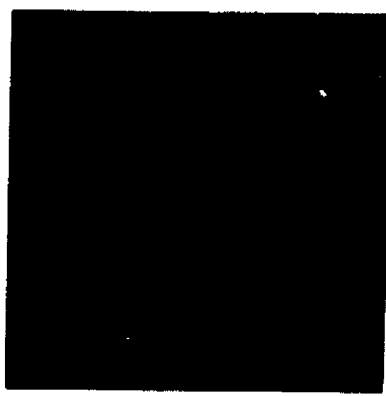
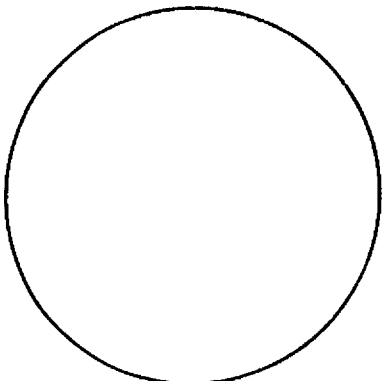
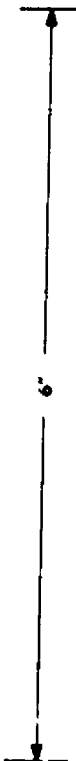
12 7lo6x Ge92
7n34a 6Y3sl

10 Y0r8j A7o7q
Oe1v1 2abiy

8 9ss9d l1cdg
13q7n E19g

6
4

POINT
SIZE



SERIF (BASKERVILLE) SIZE SANS SERIF (MICROFONT)

4
6
8
10
12
14

Thick JBWw huch lms75
NPTV Bhr7q UmAMH Eza1d
C6Jfm 7m79a 3-431 nkrY
Oz7h9 B5c lP Wobnk 8t1zxx4 C9E83 B18AJ Z7QYI OKJ'DG

Retrieval Methods Inc.
1142 E. Big Beaver Rd.
Troy, MI 48083

Declaration of Intent and Purpose

I David G. Venica

Employed by Retrieval Methods Inc., do hereby declare that the records microfiched herein are actual records of DaimlerChrysler Corp. created during its normal course of business and that it is the express intent and purpose of this organization to return all original records microphotographed herein.

Date: 5 Mar. 03

Microfiche Operator David Venica

CONFIDENTIAL
NOV 1957
SECURITY INFORMATION

VC07878 - F
[Barcode]

1

2

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC07576 30-MPH REAR IMPACT, T3-U-77 ITEM T35207
2000 FMY88 301 & TRIAS 33 COMPLIANCE.
TEST DATE 03/28/99

TEST PURPOSE PRIMARY, 2000 USA 301 COMPLIANCE.
 TRS: FUEL SYSTEM INTEGRITY.

 PRIMARY, 2000 HOMOLOGATION.
 TRIAS 33 - REAR IMPACT.

IMPACT TYPE TARGET SPEED: 30.0 MPH
 DAMAGE LOCATION; REAR
 BARRIER TYPE; REAR TYPE IV
 BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; T3
 CAR LINE; U
 BODY; 77
 ENGINE; 4.0 LITRE
 ENGINE NOTE; ELECTRONIC FUEL INJECTION
 TRANSMISSION; 3 SPEED AUTO 4x4
 TRANS. NOTE;
 VIN AS TESTED; 1J4L449SXYP [REDACTED] MOD.
 VIN AS BUILT; 1J4L449SXYP MOD.

TEST SPEED 30.3 MPH - TRAP TIMER

TEST WEIGHT (LBS) 4113 TOTAL, 2088 FRONT, 2025 REAR

OCCUPANTS LEFT FRONT, HYBRID II, BALLAST AD-47
 RESTRAINT-BELTED
 RIGHT FRONT, HYBRID II, BALLAST AD-46
 RESTRAINT-BELTED

BUILD CONDITION 2000 RHD C-1 JEEP WRANGLER:
 * FUEL TANK CONTAINS ALFMEIER ROLL-OVER VALVES
 * FUEL FILL BEZEL MATERIAL CHANGE TO CONDUCTIVE
 PLASTIC (STAT-KON M-1)
 * ANTI-CHUCKING REAR TAILGATE STRIKER PIN

TARGET WEIGHT (LBS) 3583 TOTAL, 1749 FRONT, 1834 REAR.
 REPRESENTS 4.0L, MAXIMUM OPTION WEIGHT.
 NOT INCLUDING LUGGAGE OR OCCUPANTS.

FUEL AND BALLAST 18.5 GALLONS STODDARD SOLVENT.
 300 LBS BALLAST WEIGHT ADDED

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC07976 30-MPH REAR IMPACT, TJ-U-77 ITEM TJ5207
2000 FMVSS 301 & TRIAS 3) COMPLIANCE.
TEST DATE 05/28/99

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

DISTRIBUTION

E.A. SYLIX	514-17-41 (AB)
D. HALE	514-15-67 (AB)
M.T. STEBELTON	422-05-01 (AB)

DATE 05/28/99

TIME 10:00:38.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

ITEM TJ5207 CHARGE NO. 2KFUELSYS ISSUE DATE 04-MAY-99

VC ^{75%} 30-MPH REAR IMPACT, TJ-U-77.
2000 FMVSS 301 & TRIAS 33 COMPLIANCE.

TEST DATE

5/28/99
SPEED 30 MPH

ENGINEER
SOURCE

MARTIN
TJAJ

TEST PURPOSE

PRIMARY, 2000 USA 301 COMPLIANCE.
TEST FUEL SYSTEM INTEGRITY.

PRIMARY, 2000 HOMOLOGATION.
TRIAS 33 - REAR IMPACT.

IMPACT TYPE

TARGET SPEED; 30.0 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE

BODY CLASS; TJ
CAR LINE; U
BODY; 77
ENGINE; 4.0 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 3 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4L449SXYP [REDACTED] MOD.
VIN AS BUILT; 1J4L449SXYP [REDACTED] MOD.

BUILD CONDITION

2000 RHD C-1 JEEP WRANGLER:

- * FUEL TANK CONTAINS ALPHEIER ROLL-OVER VALVES
- * FUEL FILL BEZEL MATERIAL CHANGE TO CONDUCTIVE PLASTIC [STAT-KON M-1]
- * ANTI-CHUCKING REAR TAILGATE STRIKER PIN

TARGET WEIGHT (LBS)

2583 TOTAL, 1749 FRONT, 1834 REAR.
REPRESENTS 4.0L, MAXIMUM OPTION WEIGHT.
NOT INCLUDING LUGGAGE OR OCCUPANTS.

TEST WEIGHT (LBS)

_____ TOTAL, _____ FRONT, _____ REAR

FUEL BALLAST

18.5 GALLONS STODDARD SOLVENT.

LUGGAGE BALLAST

200 LBS LUGGAGE BALLAST

OTHER BALLAST

POST TEST REMARKS

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

OCCUPANTS LEFT FRONT, HYBRID II, BALLAST RESTRAINT-BELTED AD NO 672
RIGHT FRONT, HYBRID II, BALLAST RESTRAINT-BELTED AD NO 676

MECHANICAL REQ

PRESSURE CHECK FUEL SYSTEM PRETEST WITH PUMP ON.
FUEL PUMP TO BE RUNNING DURING TEST.
MEASURE VEHICLE ATTITUDE PRE & POST BUILD-UP,
AND ADJUST ACCORDINGLY.
PAINT REAR SUSPENSION, FRAME, FUEL TANK, FILL AND
VENT TUBES FOR PIT VIEWS.
REMOVE REAR WHEEL WELL SPLASH GUARDS AND FENDER
FLARES.
ROLL OVER POST TEST.

*Need
LFS, LMS
& LRA TANKETS
FOR DYNAMIC
CRUSH.*

INSTRUMENTATION REQ

ACCELEROMETER LOCATIONS PER PREVIOUS TEST PHOTOS.
BI-AXIAL ACCELEROMETERS (X & Z) AS FOLLOWS:
1 FRONT SILL, LEFT
1 FRONT SILL, RIGHT
INSURE AIRBAGS DO NOT DEPLOY.

PHOTOGRAPHIC REQ

- ✓ 1 OVERALL PIT SHOT
- ✓ 1 PIT CLOSE-UP OF AXLE TO TANK
- ✓ 1 LEFT-SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE AT IMPACT
- ✓ 1 LEFT SIDE EKTAPRO HIGH SPEED VIDEO OF REAR OF VEHICLE AT IMPACT
- ✓ 1 VELOCITY CAMERA
- ✓ 1 CATWALK CAMERA CLOSE-UP OF REAR OF VEHICLE

POST TEST DIGITAL OVERALLS AND UNDERBODIES.

FILM ANALYSIS

VEHICLE VELOCITY - ONLY IF REQUESTED
DYNAMIC CRUSH - ONLY IF REQUESTED

REMARKS

TEST REQUEST WRITTEN BY STEVE TAYLOR
TIELINE: 733-2489

RETURN VEHICLE TO PROC POST-TEST, ATTN: PAM MORTON

SEND 1 COPY OF FILM & 1 COPY OF VIDEO TO:
E.A. ZYLIK, CIMS: 514-17-41

T. E. REPORT

FUEL SYSTEMS REPORT

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

DISTRIBUTION

E.A. ZYLIK	514-17-41 (AB)
D. HALP	514-15-67 (AB)
M.T. STEBELTON	422-05-01 (AB)

X, Y, Z DIMENSIONS

TEST NUMBER VC7576

TEST ENGINEER MARTIN

ITEM NUMBER TJS207

V.I.N. 1J4L449SXYP [REDACTED]

TEST DATE 5/28/77

TEST TYPE: 30 MPH REAR TYPE IV MOVING BARRIER

LOC.	X	Y	Z
LPS	54.0	-18.5	19.0
LMS	78.4	-18.6	19.1
LRA	116.9	-17.1	13.9
LAP	61.4	-21.0	48.1
LQP	110.7	-20.9	35.7

LOC.	X	Y	Z
BC2	142.0		

TRAPHEL MEASUREMENTS:

LPS-LMS:

PRE 54.10

LEFT

TUBE COLOR BLUE

FRONT SILL

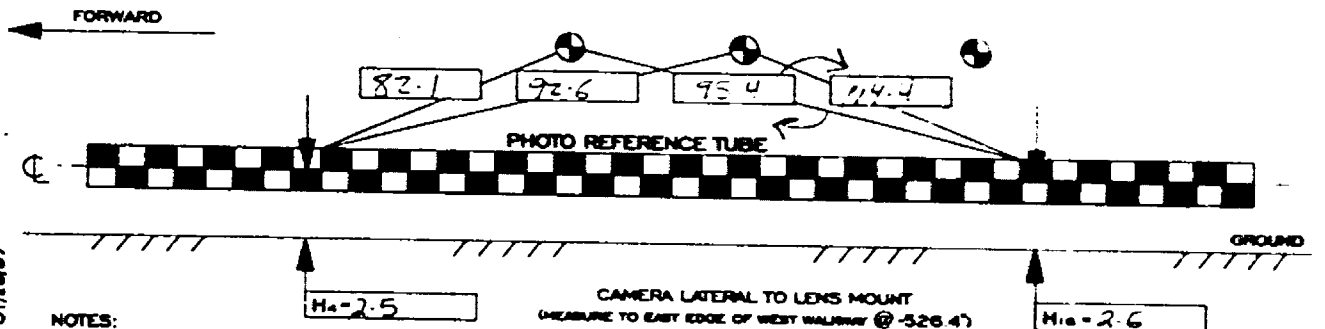
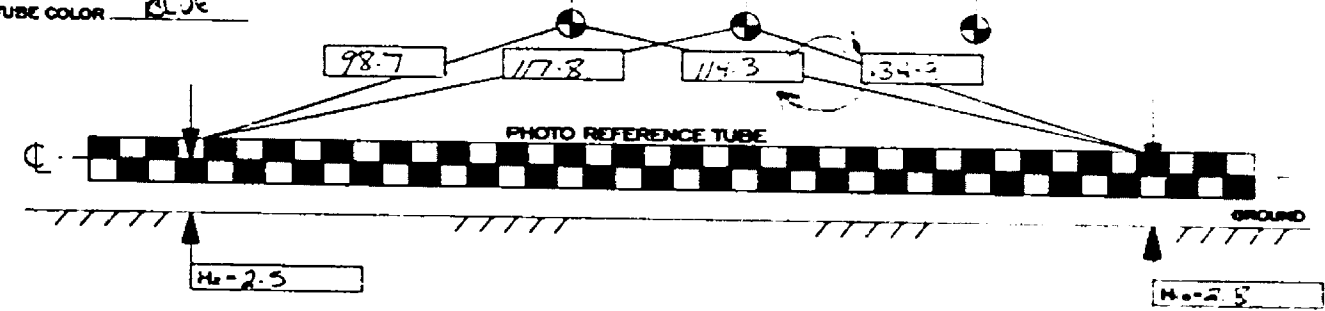
X = 54.0
Y = 50.13.5
Z = 13.7

REAR SILL

X = 78.4
Y = 50.13.6
Z = 12.9

REAR AXLE

X = 112.9
Y = 50.13.3
Z = 13.3



NOTES:

1. THE Z DIMENSION FOR THE SILL TARGETS AND REAR AXLE MUST BE TAKEN AT THE TEST SITE
2. IF OTHER TUBE POINTS ARE USED, SO INDICATE

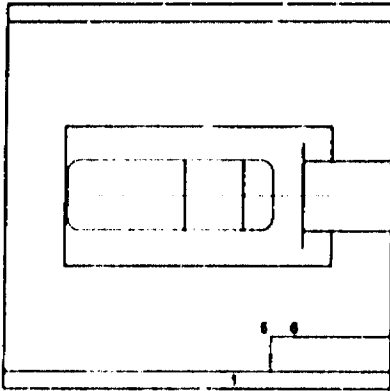
CAMERA LATERAL TO LENS MOUNT
(MEASURE TO EAST EDGE OF WEST WALKWAY @ -526.4')

92.4 INCHES

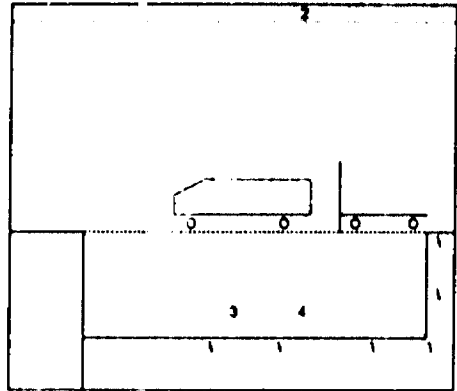
FOR REAR IMPACT TESTS - DIMENSIONING
 BETWEEN SILL TARGETS AND PHOTO REFERENCE TUBE
 TEST ENGR S. MATHY
 VC 7/16

EA12-005 Peer - CIVIL/ENR 02/28/78 BY SAUL ZAVIT

PLAN VIEW



SIDE VIEW



TEST NUMBER:	VC7976	VEHICLE TYPE:	TJ
TEST TYPE:	30 MPH REAR TYPE N IMPACT	TEST ENGINEER:	MARTIN
REQUEST DATE:	5/26/1999		

#	VIEW DESCRIPTION	CAM S/N	LENS FL	LENS S/N	LENS MFG	F-STOP	PH	SK	CB	MISC
1	A LEFT SIDE OVERALL DYNAMIC CRUSH	1070	10MM	107231	KIN					
2	CATWALK - REAR HALF OF VEHICLE	277	80MM	100312	KIN					
3	PIT - OVERALL	278	13MM	9307	COB					
4	PIT - CAJ REAR AXLE TO TANK	276	10MM	107233	KIN					
5	A VELOCITY	287	100MM	D73487	WOL	8				
6	EKTAPRO - LEFT REAR HALF OF VEHICLE	EKTA	ZOOM	814248	SNY	8				

5/28/99

FRIDAY #1

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC7976, ITEM NUMBER TJ8207 TEST ENGINEER MARTIN
 V.I.N. 1J4L4498XYP TEST DATE 5/29/96 ROLL DATE 6/1/99
 TEST TYPE; 30 MPH REAR MOVING BARRIER IMPACT
 FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.9 GALLONS
 TEST SPEED 30 MPH, TEST WEIGHT 4113 POUNDS.
 POST IMPACT LEAKAGE(OZ); AT IMPACT 0
 1ST 5 MIN. 0
 NEXT 25 MIN. 0
 POST TEST PRESSURE CHECK 135A
 ELECTRIC FUEL PUMP RUN 100

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE DRIVER SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME					TOTAL
0-90	1ST 5 MIN				0*
<u>1:35</u>	POST 5 MIN				0**
90-180	1ST 5 MIN				0*
<u>1:37</u>	POST 5 MIN				0**
180-270	1ST 5 MIN				0*
<u>1:29</u>	POST 5 MIN				0**
270-360	1ST 5 MIN				0*
<u>1:28</u>	POST 5 MIN				0**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS _____

DATE 05/28/99
TIME 13:07:06.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC07576 ITEM TJ5207
VC07576 30-MPH REAR IMPACT, TJ-U-77 ITEM TJ5207
2000 FMVSS 301 & TRIAS 33 COMPLIANCE.
TEST DATE 05/28/99

TEST PURPOSE PRIMARY, 2000 USA 301 COMPLIANCE.
TEST FUEL SYSTEM INTEGRITY.

PRIMARY, 2000 HOMOLOGATION.
TRIAS 33 - REAR IMPACT.

IMPACT TYPE TARGET SPEED; 30.0 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; U
BODY; 77
ENGINE; 4.0 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 3 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4L449SXP [REDACTED] MOD.
VIN AS BUILT; 1J4L449SXP [REDACTED] MOD.

TEST SPEED 30.3 MPH - TRAP TIMER

TEST WEIGHT (LBS) 4113 TOTAL, 2088 FRONT, 2025 REAR

OCCUPANTS LEFT FRONT, HYBRID II, BALLAST AD-47
RESTRAINT-BELTED
RIGHT FRONT, HYBRID II, BALLAST AD-46
RESTRAINT-BELTED

BUILD CONDITION 2000 RHD C-1 JEEP WRANGLER:

- * FUEL TANK CONTAINS ALFMEIER ROLL-OVER VALVES
- * FUEL FILL BEZEL MATERIAL CHANGE TO CONDUCTIVE PLASTIC [STAT-KON M-1]
- * ANTI-CHUCKING REAR TAILGATE STRIKER PIN

TARGET WEIGHT (LBS) 3583 TOTAL, 1749 FRONT, 1834 REAR.
REPRESENTS 4.0L, MAXIMUM OPTION WEIGHT.
NOT INCLUDING LUGGAGE OR OCCUPANTS.

FUEL AND BALLAST 18.5 GALLONS STODDARD SOLVENT.
300 LBS BALLAST WEIGHT ADDED

DATE 05/28/99
TIME 13:07:06.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC07576 ITEM TJ5207
VC07576 30-MPH REAR IMPACT, TJ-U-77 ITEM TJ5207
2000 FMVSS 301 & TRIAS 33 COMPLIANCE.
INST DATE 05/28/99

EDP TECHNICIAN S. MARCHENIA

No. of Pages 13
CC

D. HALE	514-15-67
M. T. STEBELTON	422-05-01
H. A. ZYLK	514-17-41

TITLE: Page Index of EDP plots	Pages	001 - 013	
***** VC07576A *****			Page I-01
TITLE: Transducer Summary Report	Pages	001 - 002	
PAGE: 001 TSR Channels 001 - 008			
PAGE: 002 TSR Channels 033 - 034			
***** VC07576B *****			
TITLE: Vehicle Channels	Pages	003 - 013	
PAGE: 003 Average of Frt Sill Chls 1 & 3			
PAGE: 004 LEFT FRONT SILL X, Chl 1			
PAGE: 005 LEFT FRONT SILL X, Chl 1, VD			
PAGE: 006 LEFT FRONT SILL Z, Chl 2			
PAGE: 007 RIGHT FRONT SILL X, Chl 3			
PAGE: 008 RIGHT FRONT SILL X, Chl 3, VD			
PAGE: 009 RIGHT FRONT SILL Z, Chl 4			
PAGE: 010 M-FLAT LT RAIL MID X, Chl 33			*C*
PAGE: 011 M-FLAT LT RAIL MID X, Chl 33, VD			*C*
PAGE: 012 M-FLAT RT RAIL MID X, Chl 34			*C*
PAGE: 013 M-FLAT RT RAIL MID X, Chl 34, VD			*C*

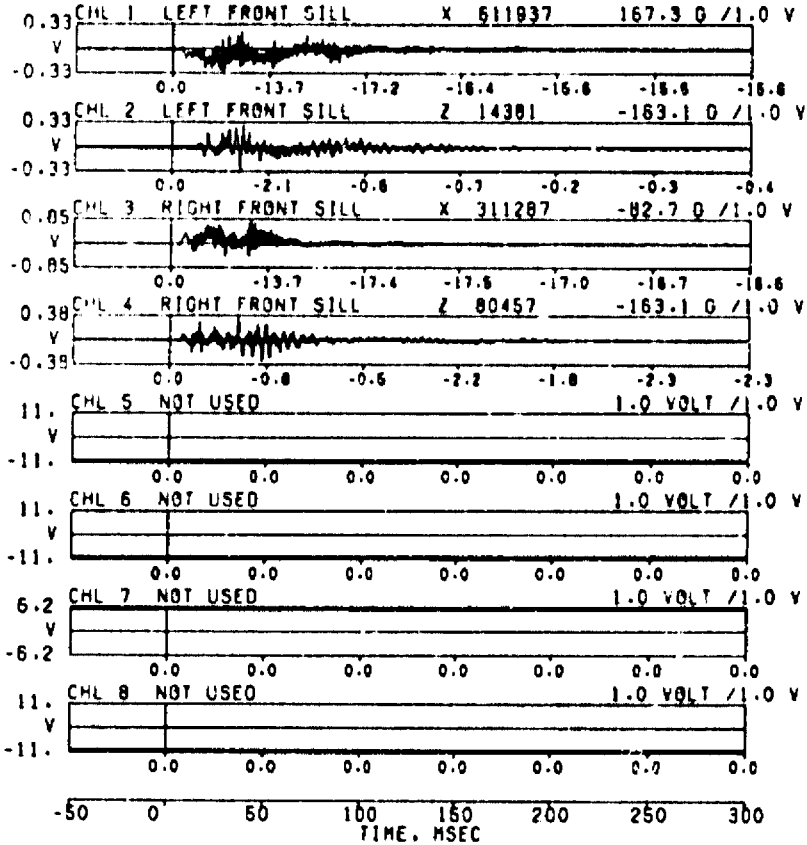
TRANSDUCER SUMMARY REPORT

AC07576 30-MPH REAR IMPACT, TJ-U-77, ITEM TJ8207
 2000 FV55 301 & TRIAS 93 COMPLIANCE,
 IMPACT ANALYSIS DLPT. 5320
 MAY 26, 1999

PAGE 001
 OF 013

DATA SET 05/26/990A
 ERRATA 1

-50 0 50 100 150 200 250 300

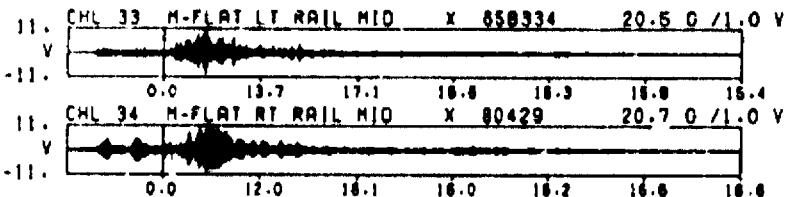


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT
 VC07876 30-MPH REAR IMPACT, TJ-U-77, ITEM TJ8207
 2000 FMVSS 301 & TRIAS 33 COMPLIANCE.
 IMPACT ANALYSIS DEPT. 5320
 MAY 28, 1999

PAGE 002
 OF 013
 DATA SET 05/28/990C
 ERRATA 1

-50 0 50 100 150 200 250 300



-50 0 50 100 150 200 250 300
 TIME, MSEC

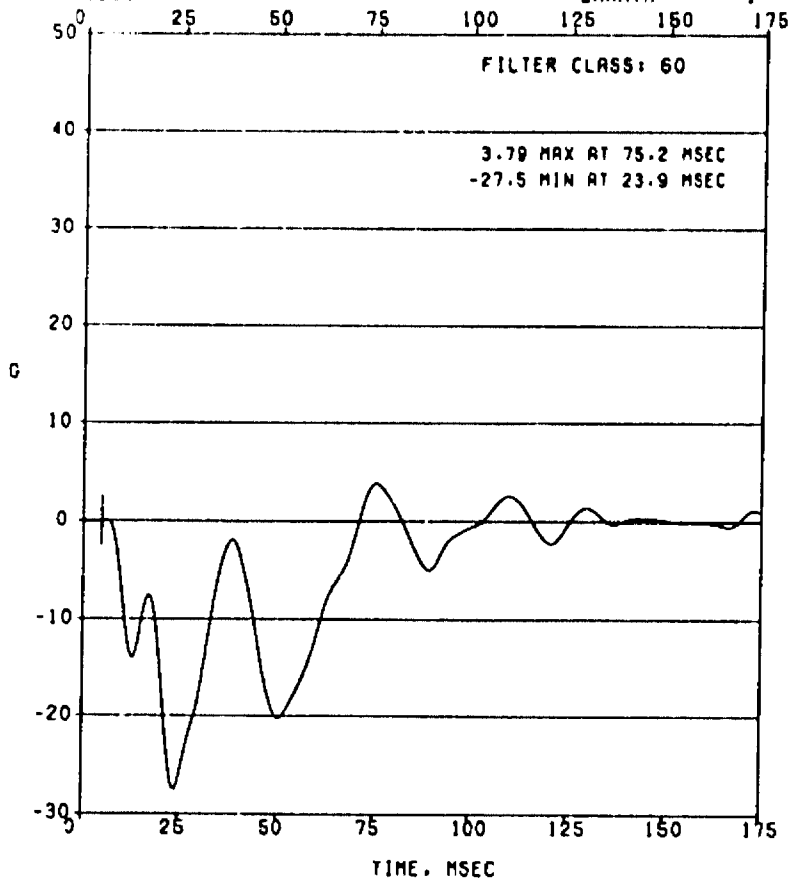
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

VC07878 30-MPH REAR IMPACT, TJ-U-77, ITEM TJ8207
2000 FMVSS 301 & TRIAS 33 COMPLIANCE.
AVERAGE OF

PAGE 003
OF 013

CHANNEL 001 LEFT FRONT SILL X 611937
CHANNEL 003 RIGHT FRONT SILL X 311287

FILTER TYPE: SAE J2110/80 DC C601PF-RI EFF 3/24/86
IMPACT TYPE: IS DEPT. 5320 DATA SET 05/28/990A
MAY 20, 1999 ERRATA 1

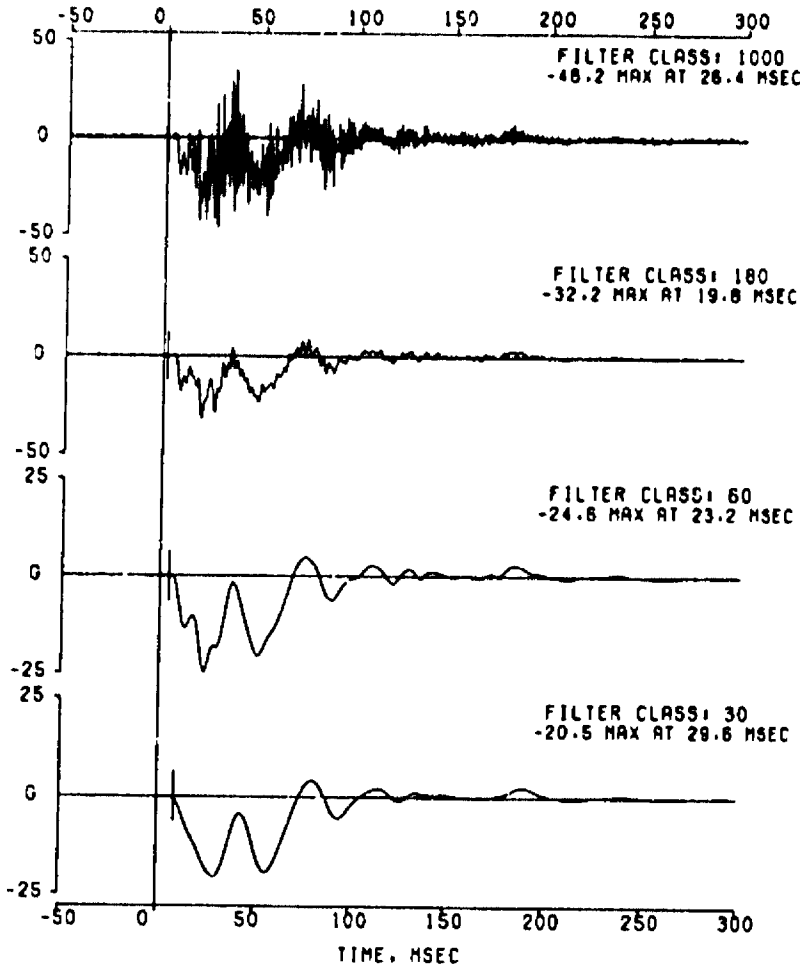


VC07576 30-MPH REAR IMPACT, TJ-U-77, ITEM TJS207

PAGE 004
OF 013

2000 FMVSS 301 & TRIAS 33 COMPLIANCE.
CHANNEL 001 LEFT FRONT SILL X 811937

FILTER TYPE: 000AS-111 RESPONSE CORRECTION, CLASS 1000 FILTER:18801
IMPACT ANALYSIS DEPT. 5320 DATA SET 05/28/99BA
MAY 28, 1999 ERRATA 1



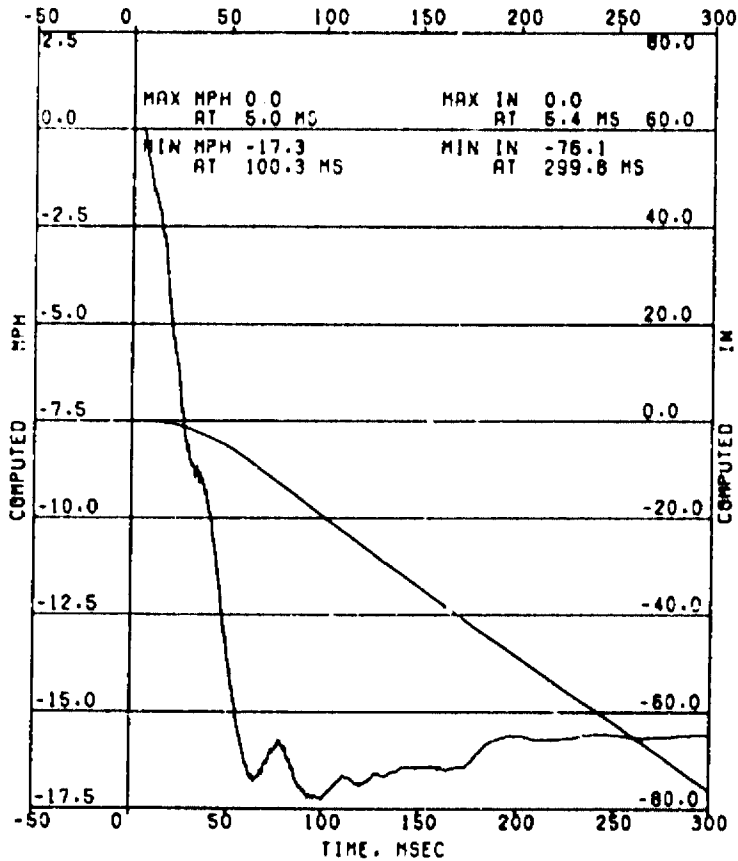
VCC7576 30-MPH REAR IMPACT, TJ-U-17, ITEM 115207
20' FMVSS 301 & TRIAS 33 COMPLIANCE.
CHANNEL 001 LEFT FRONT SILL X 611937

PAGE 005
OF 013

FILTER TYPE: 08DAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1660)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28.1999

DATA SET 05/28/998A
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC07576 30-MPH REAR IMPACT, TJ-U-77, ITEM TJS207

PAGE 006

2000 FMY55 301 & TRIAS 33 COMPLIANCE.

OF 013

CHANNEL 002 LEFT FRONT SILL Z 14381

FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

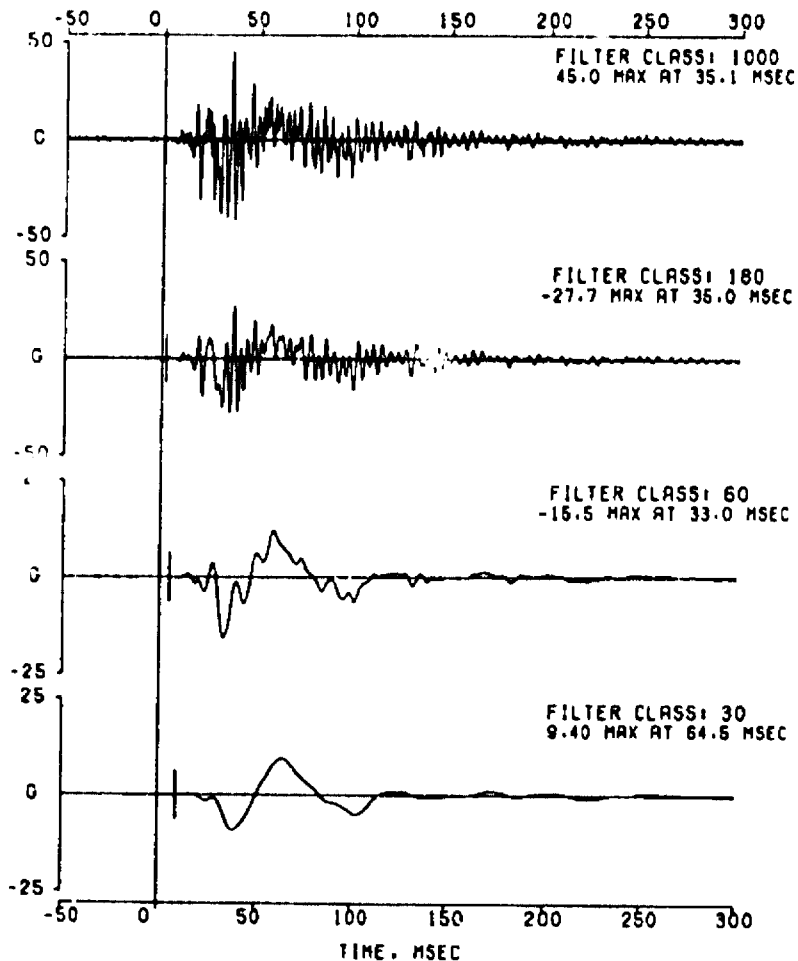
IMPACT ANALYSIS DEPT. 5320

DATA SFT 05/28/99BA

MAY 28, 1999

ERRATA

1



VC07578 30-MPH REAR IMPACT, TJ-U-77, ITEM TJ6207

PAGE 007

2000 FMVSS 301 & TRIAS 33 COMPLIANCE.

OF 013

CHANNEL 003 RIGHT FRONT SILL X 311287

FILTER TYPE: J80AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(16601

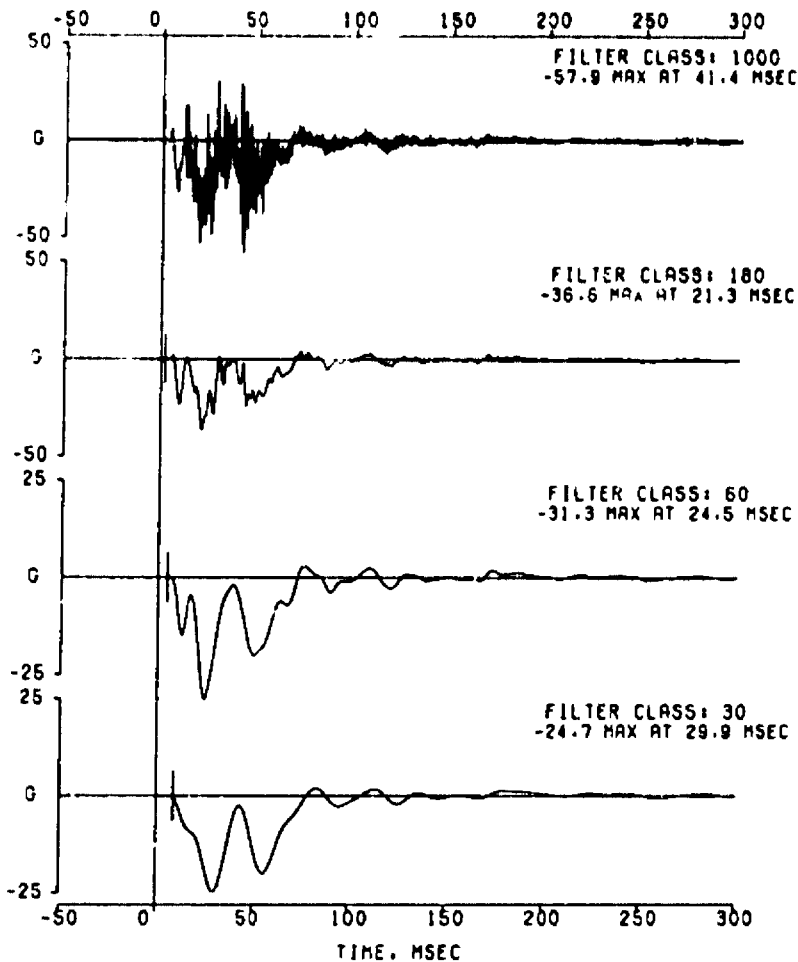
IMPACT ANALYSIS DEPT. 5320

DATA SET 05/28/99BA

MAY 28.1999

ERRATA

1



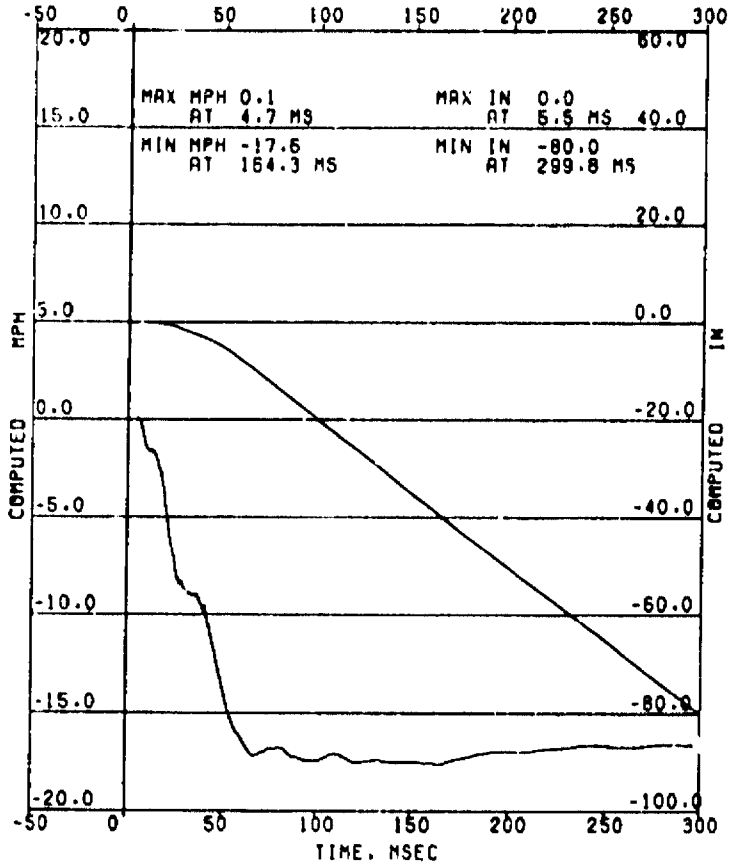
VC07878 30-MPH REAR IMPACT, TJ-U-77, ITEM TJS207
2000 FHY93 301 & TRIAS 33 COMPLIANCE.
CHANNEL 003 RIGHT FRONT SILL X 311287

PAGE 008
OF 013

FILTER TYPE: 00DAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1860)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 28, 1999

DATA SET: 05/28/9908A
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC07576 30-MPH REAR IMPACT, TJ-U-77, ITEM TJS207

PAGE 009

2000 FAYSS 301 & TRIAS 33 COMPLIANCE.

OF 013

CHANNEL 004 RIGHT FRONT SILL Z 80457

FILTER TYPE: 38DAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1850)

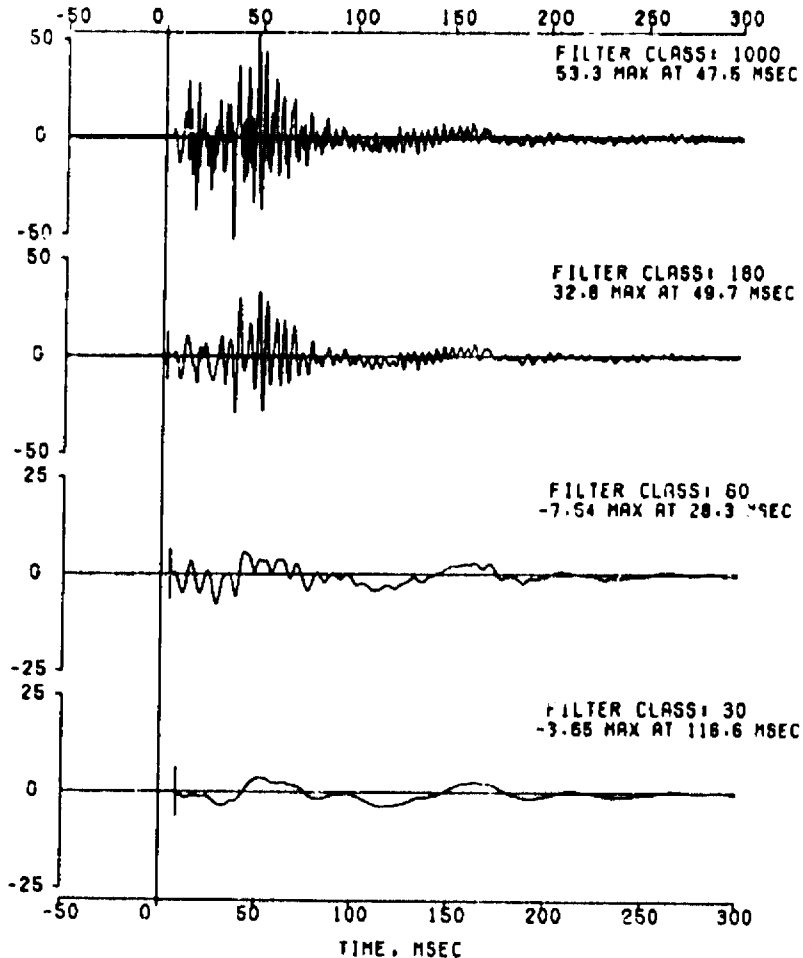
IMPACT ANALYSIS DEPT. 5320

DATA SET 03/28/99BA

MAY 28, 1999

ERRATA

1



VC07576 30-MPH REAR IMPACT, 1J-U-77, ITEM 1J5207

PAGE 010

2000 FMVSS 301 & TRIAS 33 COMPLIANCE.

OF 013

CHANNEL 033 M-FLAT LT RAIL MID X 658334

FILTER TYPE: 00DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

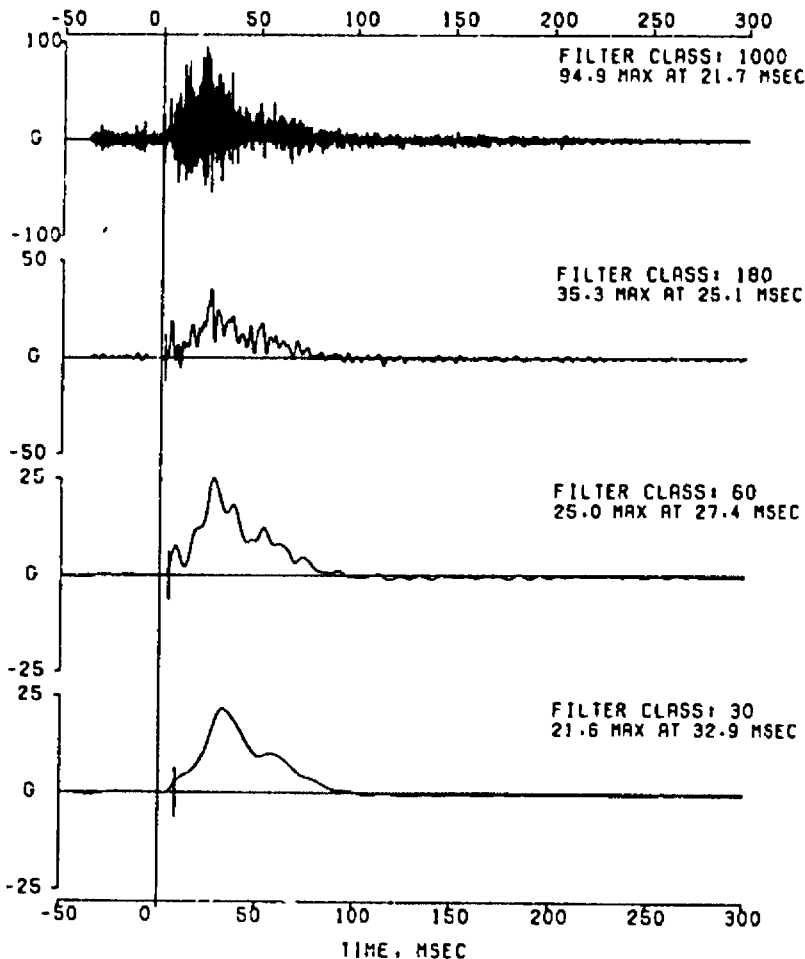
IMPACT ANALYSIS DEPT. 5320

DATA SET 05/28/99BC

MAY 28, 1999

ERRATA

1



***** CAUTION *****
***** CHL 33 M-FLAT LT RAIL MID X 658334 IS SATURATED AT *****
***** 21.6 22.0 *****

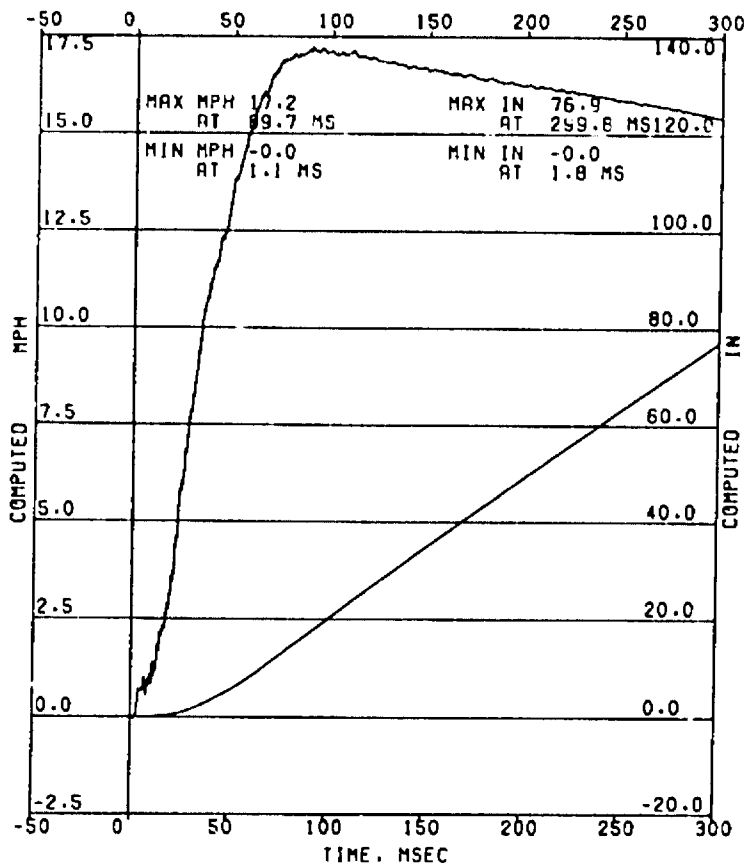
VC07576 30-MPH REAR IMPACT, TJ-U-77, ITEM TJ5207
 2000 FMVSS 301 & TRIAS 33 COMPLIANCE.
 CHANNEL 033 M-FLAT LT RAIL MID X 658334

PAGE 011
 OF 013

FILTER TYPE: OBDAS-111 RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 MAY 28, 1999

DATA SET 05/28/99BC
 ERRATA 1



***** CAUTION *****
 ***** CH. 033 M-FLAT LT RAIL MID X 658334, IS SATURATED AT *****
 ***** 21.8 22.0 *****

COMPUTED MPH
 COMPUTED IN

VC07576 30-MPH REAR IMPACT, TJ-U-77, ITEM TJS207

PAGE 012

2000 FMVSS 301 & TRIAS 33 COMPLIANCE.

OF 013

CHANNEL 034 M-FLAT RT RAIL MID X 80429

FILTER TYPE: 380AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

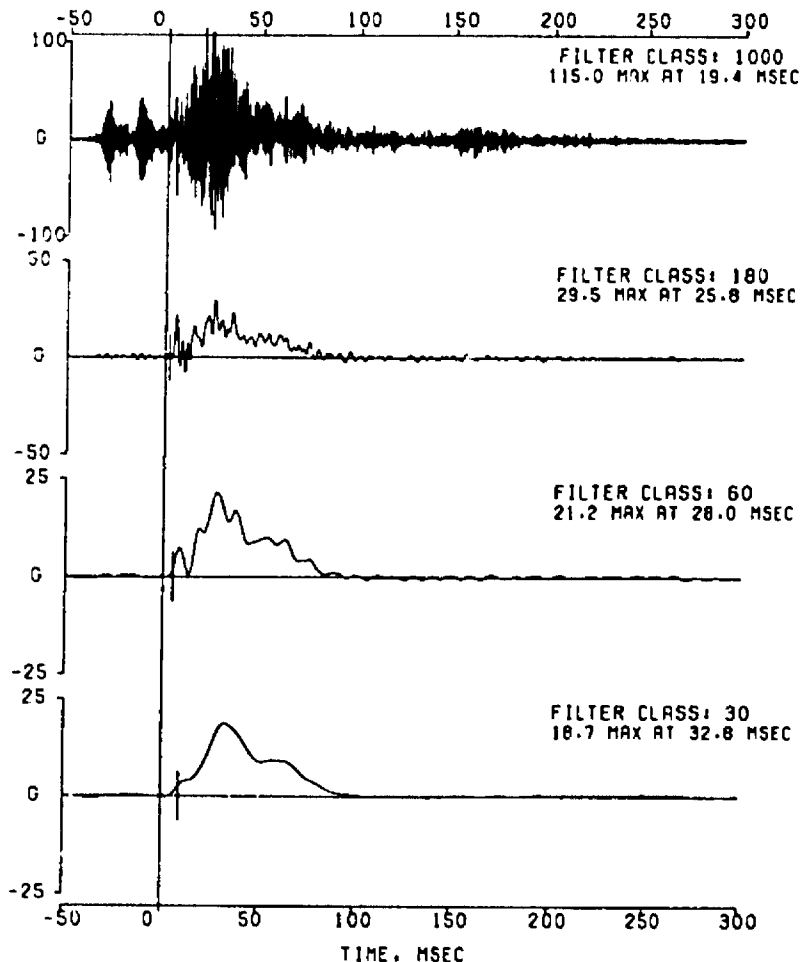
IMPACT ANALYSIS DEPT. 5320

DATA SET 05/28/39BC

MAY 28, 1999

ERRATA

1



***** CAUTION *****
*** CHL 34 M-FLAT RT RAIL MID X 80429 IS SATURATED AT ***
***** 19.3 23.0 25.2 27.1 28.0 28.8 28.1 *****

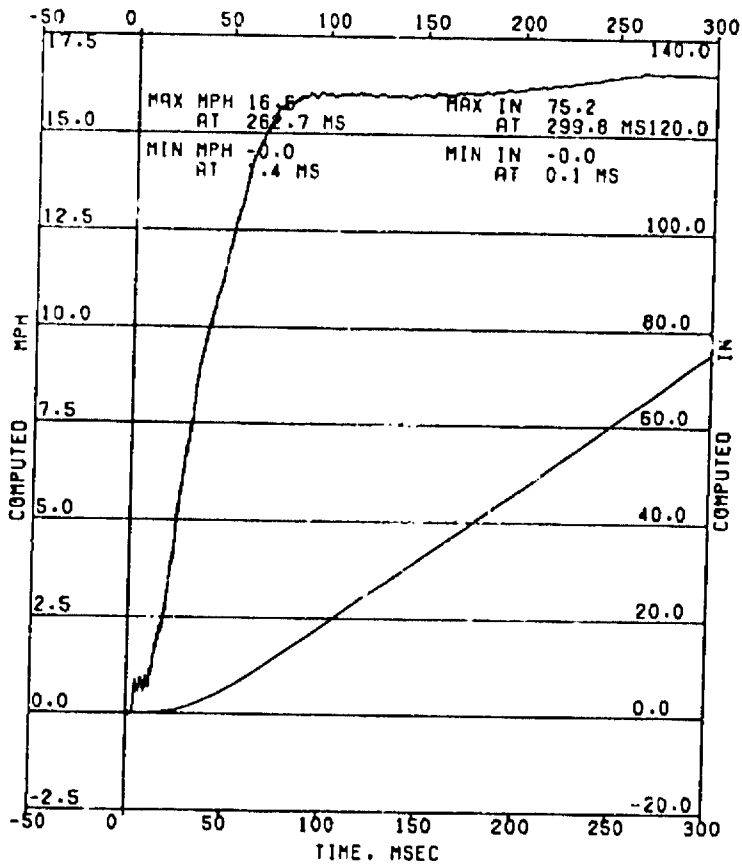
Y007575 30-MPH REAR IMPACT, TJ-U-77, ITEM TJS207
 2000 FMVSS 301 & TRIAS 33 COMPLIANCE,
 CHANNEL 034 M-FLAT AT RAIL MID X 8C429

PAGE 013
 OF 013

FILTER TYPE: 00DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

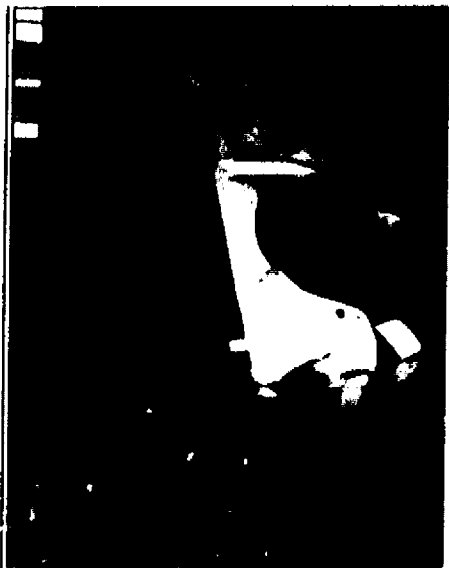
IMPACT ANALYSIS DEPT. 5320
 MAY 28, 1999

DATA SET 05/28/99BC
 ERRATA 1

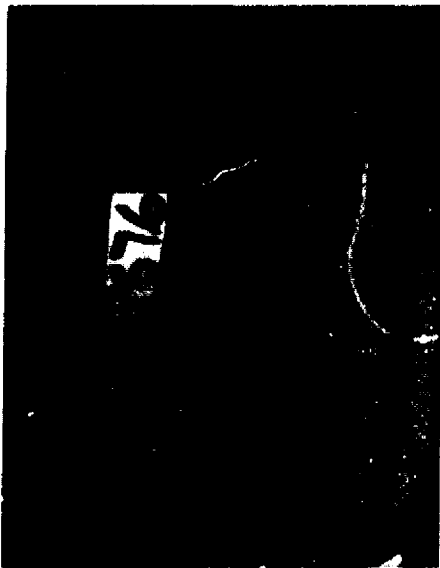


***** CAUTION *****
 ***** CH. 34 M-FLAT AT RAIL #10 X 8C429. IS SATURATED AT *****
 ***** 19.3 23.0 23.2 24.1 26.0 26.8 28.1 *****

COMPUTED MPH
 COMPUTED IN



APR 20 1968



APR 20 1968



APR 20 1968



APR 20 1968

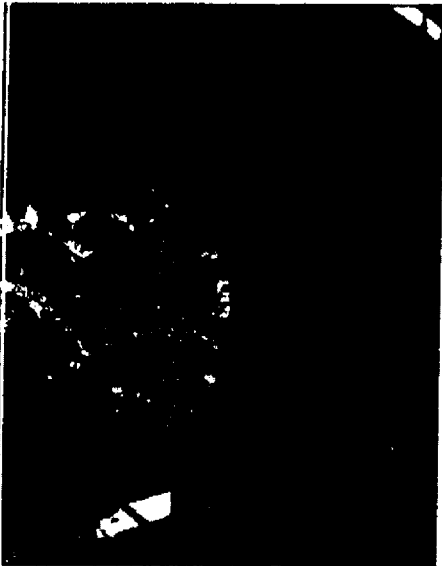
61-10000-10000



4077410



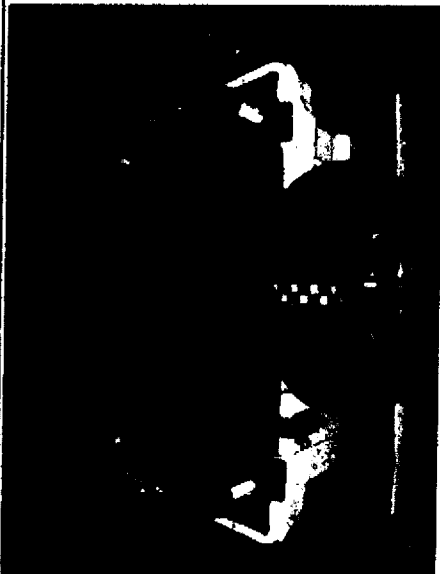
4077410



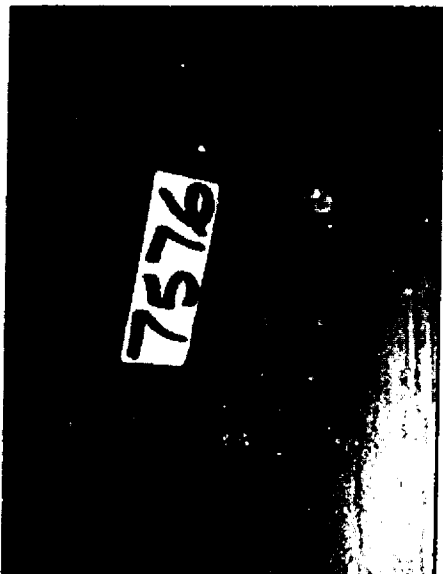
APR 1968



APR 1968



APR 1968



APR 1968

APR 1968



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Retrieval Methods Inc.
1142 E. Big Beaver Rd.
Troy, MI 48083

Declaration of Intent and Purpose

I David G. Yenice

Employed by Retrieval Methods Inc., do hereby declare that the records microfiched herein are actual records of DaimlerChrysler Corp. created during its normal course of business and that it is the express intent and purpose of this organization to return all original records microphotographed herein.

Date: 5 Mar. 03

Microfiche Operator David Yenice

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

1997 - 2006 Wrangler (TJ)

Compliance

VC09782

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG

TEST PURPOSE PRIMARY, 2003 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; TJJ
BODY; L77
ENGINE; 2.4 LITER
ENGINE NOTE; I4
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J4FA29103F [REDACTED] MOD.
VIN AS BUILT; 1J4FA29103F [REDACTED] MOD.

TEST SPEED 49.11 KPH BY TRAP AVERAGE

TEST WEIGHT (KG) 1752 TOTAL, 874 FRONT, 878 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-59
RESTRAINT- 3-PT UNIBELT ONLY
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-75
RESTRAINT- 3-PT UNIBELT ONLY

BUILD CONDITION ORIGINAL BUILD: 2003 SE, SILVER, HALF DOORS, SOFT
TOP, MAN TRANS, NON-TILT STEERING, P205/75R15, B-
PILLAR REINFORCMENT, BATTERY TRAY
REINFORCEMENT, DOOR WITH REVERSE DIRECTION LOCKS,
REINFORCED SWING GATE
MODIFICATIONS: NONE

TARGET WEIGHT (KG) 1747 TOTAL
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
90.7 KG BALLAST WEIGHT SECURED IN CARGO AREA

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

DISTRIBUTION M. STEBELTON 422-05-01 (AB)
A. STEFANGO 514-17-39 (AB)

DATE 04/25/02 TIME 18:31:37.

Test Request for VC09782/ JPE Item No.: C3TJJ9932


Doc. Rev. #: 6

Key People:	
*Test Requester: Anne Stefango/CPG/DCC/DCX Platform: JPE Phone: +1 313 653 5368 Others to be copied on correspondence related to this test:	TEST STATUS: TEST COMPLETE TEST COMPLETED ON 04/25/2002 Revision #: 6 Last Revision Made to this Request: 04/25/2002 07:13:17 PM by: Tim W Lackey Test Requester Note Pad: revised weight for man trans, 1/2 doors, no a/c, no add-a-trunk

CPG Personnel Assigned to This Test: Test Engineer Assigned: John M Kobylarz Data Acquisition Test Engineer: Data Acquisition Check Completed By: Norman D Post - 836-5369 Data Acquisition Write-Up Engineer: Norman D Post Film Analysis Liaison: not found - not found	Test Number: VC09782 Scheduled Test Date: 04/25/2002 Slot: 3rd Test of the Day Test Site: CPG
---	---

Test Requested:

MVSS 301 30MPH Flat Rear Impact

*Procedure (Select One): SLT13500 *Target Speed: 48.3 KPH (30.0 MPH)  mph->kph *Best Estimate of Ship Date: 04/12/2002 Specific Test Date Required?: *When this test is complete, please send test property to: CPG	Regulatory Purpose(s): (used to determine numeric processing) PRIMARY, 2003 USA 301-REAR COMPLIANCE
*Stage of Development: <input checked="" type="radio"/> Compliance <input type="radio"/> Development	Priority (optional): <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C



***** All Required fields (*) must be entered up to this point for test specification to be accurate *****

Occupants For This Test:

Occupants in this Test:




1L - (Standard) H2-50TH MALE BALLAST DUMMY, 0 - CH, RESTRAINT- 3-PT UNIBELT ONLY
1R - (Standard) H2-50TH MALE BALLAST DUMMY, 0 - CH, RESTRAINT- 3-PT UNIBELT ONLY

Film Analysis and Photographic Views:

<p>Film Analysis Ordered: No Film Analysis on This Test</p> <p>Film Analysis "If Requested":</p> <p>Test Site Constraints based on Film Analysis: No Film Analysis Req'd - any site is recommended</p> <p>Film Analysis Requested - Custom: No Custom</p>	<p> Photographic Views Required:</p> <p>>>LEFT FUEL FILL AREA >>LEFT REAR BUMPER TO BARRIER >>LEFT VELOCITY >>PIT FUEL TANK >>PIT OVERALL</p> <hr/> <p>IMAGING PRODUCT ORDER: VCE PROVIDES ONE ORIGINAL AND ONE PRINT 16MM FILM REEL WITH EACH TEST.</p>
<p> Still Photos Required:</p> <p>Pre-Test Still Photo: Post-Test Still Photo:</p>	




Vehicle Information:

<p>Program: 03 TJ </p> <p>Core Item No.: C3TJJ9932 NOTE: the Core Item No. cannot exceed 10 characters in length.</p> <p>Restrike No.: R</p> <p><input type="checkbox"/> Right-Hand Drive <input type="checkbox"/> Competitive Car</p> <p>CAR LINE: TJJ BODY: L77 Number of Doors in this Vehicle: 2 Vehicle Build Level: S1</p> <p>Other Vehicle Configuration Flag (optional word or short phrase to use in further sorting of platform reports):</p> <p>VIN(as built): 1J4FA29103F </p> <p>VIN(as tested): 1J4FA29103F </p>	<p>Vehicle Readiness to Ship:</p> <p><i>THIS IS A MINIMALLY MODIFIED VEHICLE, NO CHECKLIST IS REQUIRED</i></p>
<p>ENGINE: 2.4 Liters ENGINE NOTE: 14</p> <p>TRANSMISSION: 5 SPEED MANUAL</p> <p>TRANS. NOTE: DRIVE: 4 X 4</p> <p>GVW (opt): kg</p>	<p>Vehicle Logistics: Note: Vehicle must be fully inspected prior to shipment to test site. <input type="checkbox"/> Yes</p> <p>Shipped to Test Site: Rec'd at Test Site: 04/10/2002 Returned from Test Site: When I expect vehicle to be off hold:</p>



Instrumentation Build Info:

General Instrumentation Requirements:	
Modules Used: Other Notes: FUEL PUMP RUNNING DURING TEST	Pyrotechnics Used: Deployment Method:

Vehicle Channel Entry:	List of Dummy Channel Titles Used on this Test:
<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Create New Instrumentation Sheet </div> Attach Instrumentation Sheet Here: <i>DO NOT ATTACH MORE THAN ONE FILE TO THIS FIELD.</i>  <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 100px;"> Attach New or Replacement Sheet </div> C3TJJ-9932 INST REV! A <ul style="list-style-type: none"> Protected section of instrumentation sheet indicates minimum instrumentation requirements for the test selected and may only be modified by your Data Acquisition Engineer. Please indicate all changes made to the spreadsheet after Test Request submission at the base of the spreadsheet. 	BALLAST DUMMY- NO CHANNELS-1L BALLAST DUMMY- NO CHANNELS-1R

Total Occupant Channels: 0 Total Vehicle Channels: 14 TOTAL ON-BOARD CHANNELS FOR THIS TEST: 14	Total Data Acq. Boxes Required: 1 Channels in Last Data Acq. Box : 14 out of 32
--	---

Build Condition as Reported in Test Letter:

Paragraph summarizing the original build condition of this vehicle

(This will appear in the Test Letter as shown, please describe any unique features this vehicle was originally built with. If this is a mule vehicle, please describe the original vehicle model and model year):

ORIGINAL BUILD:

2003 SE, SILVER, HALF DOORS, SOFT TOP, MAN
TRANS, NON-TILT STEERING, P205/75R15, B-PILLAR
REINFORCEMENT, BATTERY TRAY REINFORCEMENT,
DOOR WITH REVERSE DIRECTION LOCKS, REINFORCED
SWING GATE

Paragraph summarizing the modifications made to the original build prior to test

(This will appear in the Test Letter as shown, please describe any modifications affecting test performance):

MODIFICATIONS :

NONE



Test Weight:

Target Test Weight Requested

Please note: This is an approximate value and includes vehicle, ballast, fuel, ATDs, and instrumentation.

1 POUND WEIGHT = 0.4536 KILOGRAMS (KG)

Total Target Test Weight: 1747 kg (3,851 lbs)



Weight Adjustment Method:

(standard procedure to be used unless otherwise specified. Define which parts should be removed first if the vehicle is over the target weight after occupants and instrumentation are added)

Weight Balance and Luggage:

Please note: This section is OPTIONAL. Values entered here are approximate.

Total Front kg



Total Rear 0 kg (0 lbs)



Luggage: 90.7 kg





Mechanical Requirements:

Specific Work to Be Done at Test Site:	
TEST VEHICLE WITH 18.1 GALLONS STODDARD IN FUEL SYSTEM FUEL FILL TO SPEC IS MANDATORY PRE-TEST PRESSURE CHECK REQUIRED FUEL PUMP RUNNING DURING TEST POST-TEST FUEL PUMP RUN CHECK STATIC ROLL ASSESSMENT REQUIRED (SLWI3532) Film Targeting: No Film Analysis Targeting or Cameras Required	
	Work Orders for This Test:

Extra Attachments, Rich Text or Additional Info here if required:

Document Information

Date Created: 01/26/2002 09:39 AM	Last Edited: 04/25/2002 07:13:17 PM
Created By: Anne Stefango/CPG/DCC/DCX	Edited By: Tim W Lackey/SCI/DCC/DCX

Edit History:

Edit History:			
4/10/02 3:47:05 PM	Glenn A Buss	EditApprovalStatus [] --> [**** TEST REQUEST INITIALLY APPROVED ****] MODIFIED /Rev#:1	
4/10/02 3:47:05 PM	Glenn A Buss	SchedTest [] --> [04/25/2002 12:00:00 AM] MODIFIED /Rev#:1	
4/10/02 3:47:05 PM	Glenn A Buss	Slot [] --> [lbd] MODIFIED /Rev#:1	
4/11/02 9:52:31 AM	Norman D Post	VehicleChan [0] --> [14] MODIFIED /Rev#:2	
4/22/02 10:56:11 AM	Glenn A Buss	Slot[lbd] --> [3rd] MODIFIED / Rev# 3	
4/23/02 4:37:10 PM	Anne Stefanga	WeightTarget [1831] --> [1747] MODIFIED /Rev#:5	
Last Edit:			
04/25/2002 06:26:31 PM	Bekele Gedion	FINAL TEST LETTER SUBMITTED	
4/25/02 3:55:43 PM	Robert D Burton	FAPVListDupViews [LEFT OVERALL] REMOVED /Rev#:6	
4/25/02 3:55:43 PM	Robert D Burton	FAPVListDupViews [LEFT REAR BUMPER TO BARRIER] ADDED /Rev#:6	
4/25/02 3:55:43 PM	Robert D Burton	FAPVListDupViews [PIT OVERALL] ADDED /Rev#:6	

[Click here to view previous edits](#)

Old Change Method Info

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC9782, ITEM NUMBER C3TJJ9932, TEST ENGINEER KOBYLARZ

V.I.N. 1J4FA29103E [REDACTED] TEST DATE 4/25/02 ROLL DATE 4/27/02

TEST TYPE; 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.1 GALLONS

TEST SPEED 30.5 MPH, TEST WEIGHT 3862 POUNDS.

POST IMPACT LEAKAGE (OZ); AT IMPACT 0

1ST 5 MIN. 0

NEXT 25 MIN. 0

POST TEST PRESSURE CHECK NA

ELECTRIC FUEL PUMP RUN NA

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE left SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME					TOTAL	
0-90	1ST 5 MIN					*
<u>1:49</u>	POST 5 MIN					**
90-180	1ST 5 MIN					*
<u>1:46</u>	POST 5 MIN					**
180-270	1ST 5 MIN					*
<u>1:45</u>	POST 5 MIN					**
270-360	1ST 5 MIN					*
<u>1:43</u>	POST 5 MIN					**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS No fuel leaks

LAST FORM MODIFICATION 08/22/96 - GAB (TESTOBS896, DOCVCFORMS)

DATE 04/26/02
TIME 14:00:27.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC09782 ITEM C3TJJ9932
VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG

TEST PURPOSE PRIMARY, 2003 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; TJJ
BODY; L77
ENGINE; 2.4 LITER
ENGINE NOTE; I4
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J4FA29103F [REDACTED] MOD.
VIN AS BUILT; 1J4FA29103F [REDACTED] MOD.

TEST SPEED 49.11 KPH BY TRAP AVERAGE

TEST WEIGHT (KG) 1752 TOTAL, 874 FRONT, 878 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-59
RESTRAINT- 3-PT UNIBELT ONLY
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-75
RESTRAINT- 3-PT UNIBELT ONLY

BUILD CONDITION ORIGINAL BUILD: 2003 SE, SILVER, HALF DOORS, SOFT
TOP, MAN TRANS, NON-TILT STEERING, P205/75R15, B-
PILLAR REINFORCEMENT, BATTERY TRAY
REINFORCEMENT, DOOR WITH REVERSE DIRECTION LOCKS,
REINFORCED SWING GATE
MODIFICATIONS: NONE

TARGET WEIGHT (KG) 1747 TOTAL
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
90.7 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 04/26/02
TIME 14:00:27.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

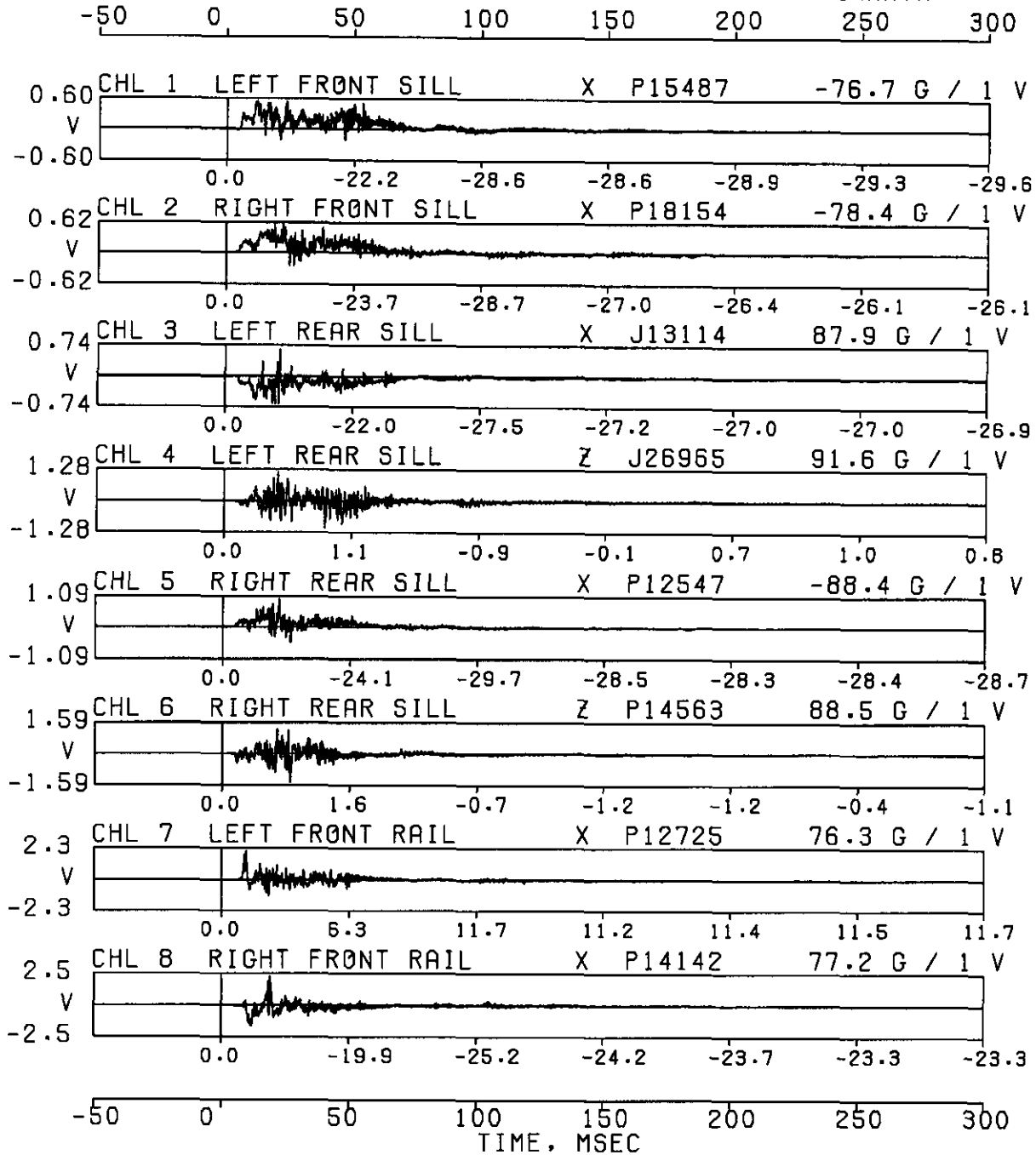
VEHICLE CRASH ENGINEERING
DEPT 5320

VC09782 ITEM C3TJJ9932
VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG
EDP TECHNICIAN S. MARCHENIA

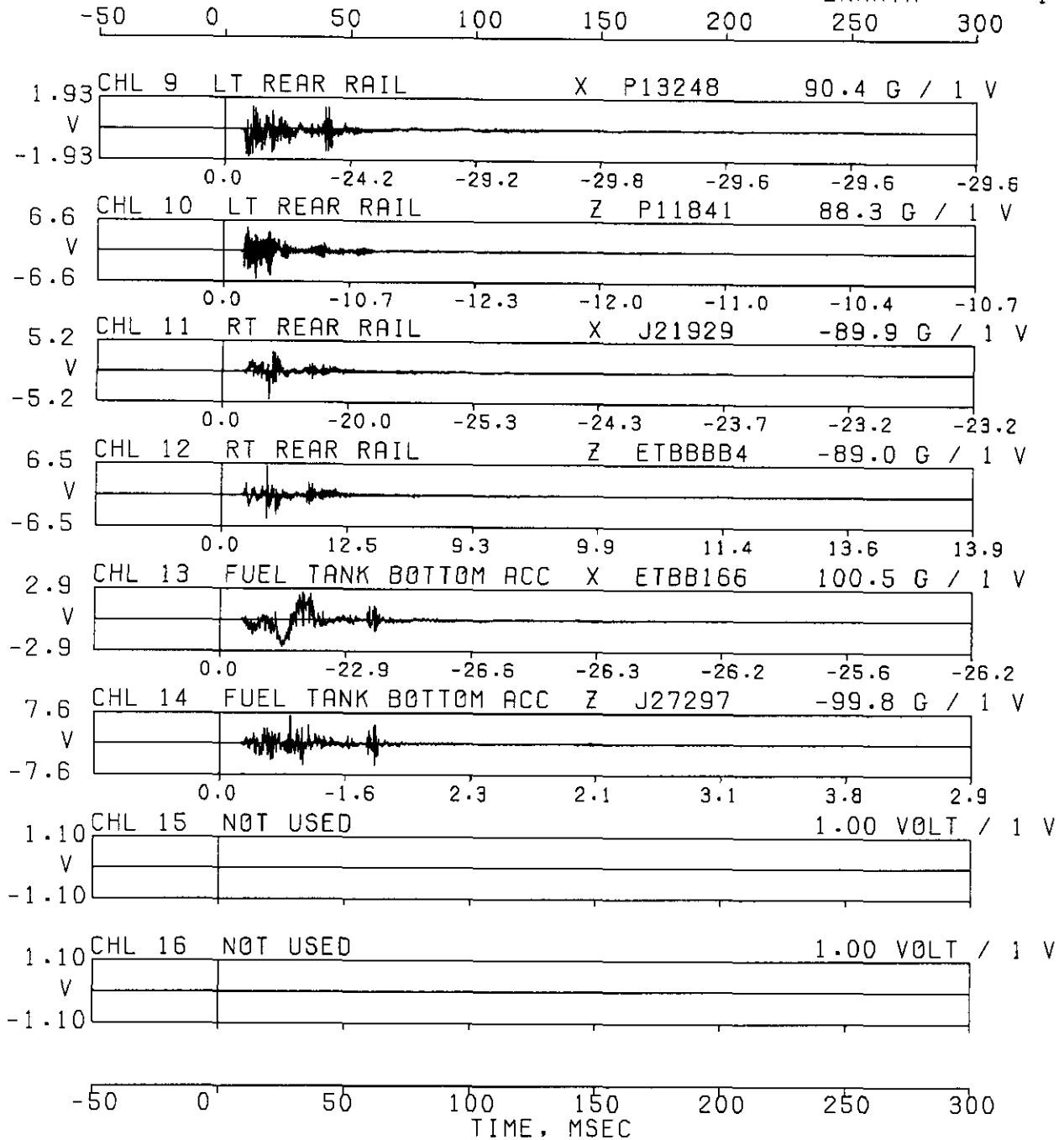
No. of Pages 30
CC

M. STEBELTON 422-05-01
A. STEFANGO 514-17-39

TITLE: Page Index of EDP plots	Pages	001 - 030	
***** VC09782A *****			
TITLE: Transducer Summary Reports	Pages	001 - 003	Page I-01
SYSTEM: METRIC			
PAGE: 001	TSR Channels	001 - 008	
PAGE: 002	TSR Channels	009 - 016	
PAGE: 003	TSR Channels	033 - 034	
***** VC09782B *****			
TITLE: Vehicle Channels	Pages	004 - 030	
SYSTEM: METRIC			
PAGE: 004	Average of Sill Chls 1, 2, 3, & 5		
PAGE: 005	Average of Frt Sill Chls 1 & 2		
PAGE: 006	LEFT FRONT SILL X, Chl 1		
PAGE: 007	LEFT FRONT SILL X, Chl 1, VD		
PAGE: 008	RIGHT FRONT SILL X, Chl 2		
PAGE: 009	RIGHT FRONT SILL X, Chl 2, VD		
PAGE: 010	LEFT REAR SILL X, Chl 3		
PAGE: 011	LEFT REAR SILL X, Chl 3, VD		
PAGE: 012	LEFT REAR SILL Z, Chl 4		
PAGE: 013	RIGHT REAR SILL X, Chl 5		
PAGE: 014	RIGHT REAR SILL X, Chl 5, VD		
PAGE: 015	RIGHT REAR SILL Z, Chl 6		
PAGE: 016	RIGHT FRONT RAIL X, Chl 8		
PAGE: 017	RIGHT FRONT RAIL X, Chl 8, VD		
PAGE: 018	LT REAR RAIL X, Chl 9		
PAGE: 019	LT REAR RAIL X, Chl 9, VD		
PAGE: 020	LT REAR RAIL Z, Chl 10		
PAGE: 021	RT REAR RAIL X, Chl 11		
PAGE: 022	RT REAR RAIL X, Chl 11, VD		
PAGE: 023	RT REAR RAIL Z, Chl 12		
PAGE: 024	FUEL TANK BOTTOM ACC X, Chl 13		
PAGE: 025	FUEL TANK BOTTOM ACC X, Chl 13, VD		
PAGE: 026	FUEL TANK BOTTOM ACC Z, Chl 14		
PAGE: 027	M-FLAT LT RAIL MID X, Chl 33		
PAGE: 028	M-FLAT LT RAIL MID X, Chl 33, VD		
PAGE: 029	M-FLAT RT RAIL MID X, Chl 34		
PAGE: 030	M-FLAT RT RAIL MID X, Chl 34, VD		



NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

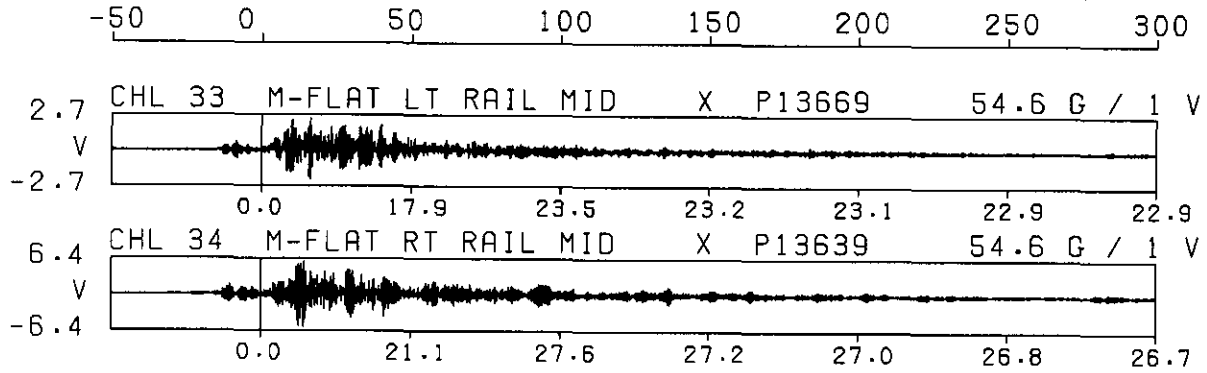


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

PAGE 003
OF 030
DATA SET 04/25/02BE
ERRATA 1



-50 0 50 100 150 200 250 300
TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

AVERAGE OF

CHANNEL 001	LEFT FRONT SILL	X	P15487
CHANNEL 002	RIGHT FRONT SILL	X	P18154
CHANNEL 003	LEFT REAR SILL	X	J13114
CHANNEL 005	RIGHT REAR SILL	X	P12547

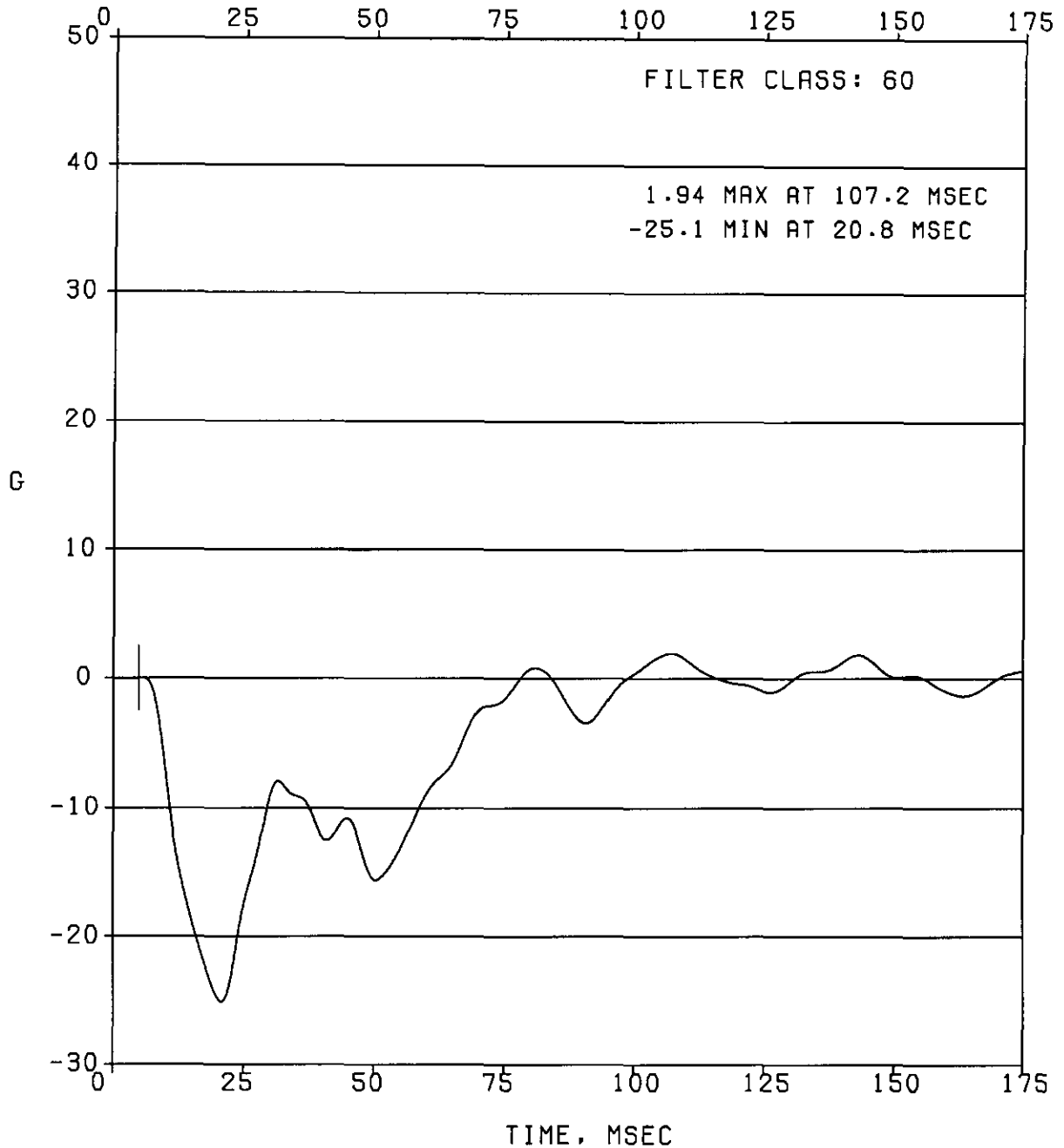
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IMPACT ANALYSIS DEPT. 5320

DATA SET 04/25/02BC

APR 26, 2002

ERRATA 1



AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X P15487
CHANNEL 002 RIGHT FRONT SILL X P18154

FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86

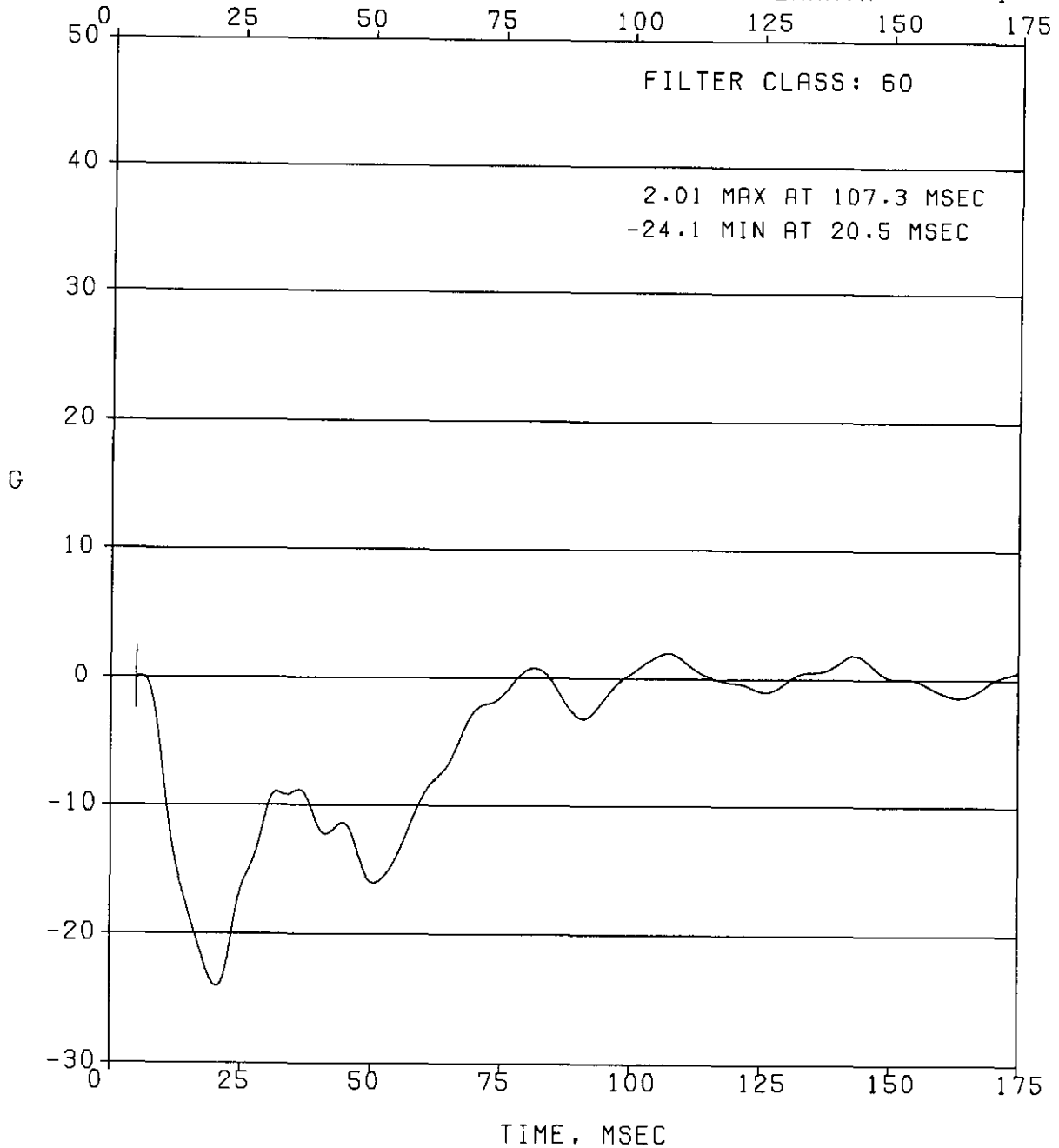
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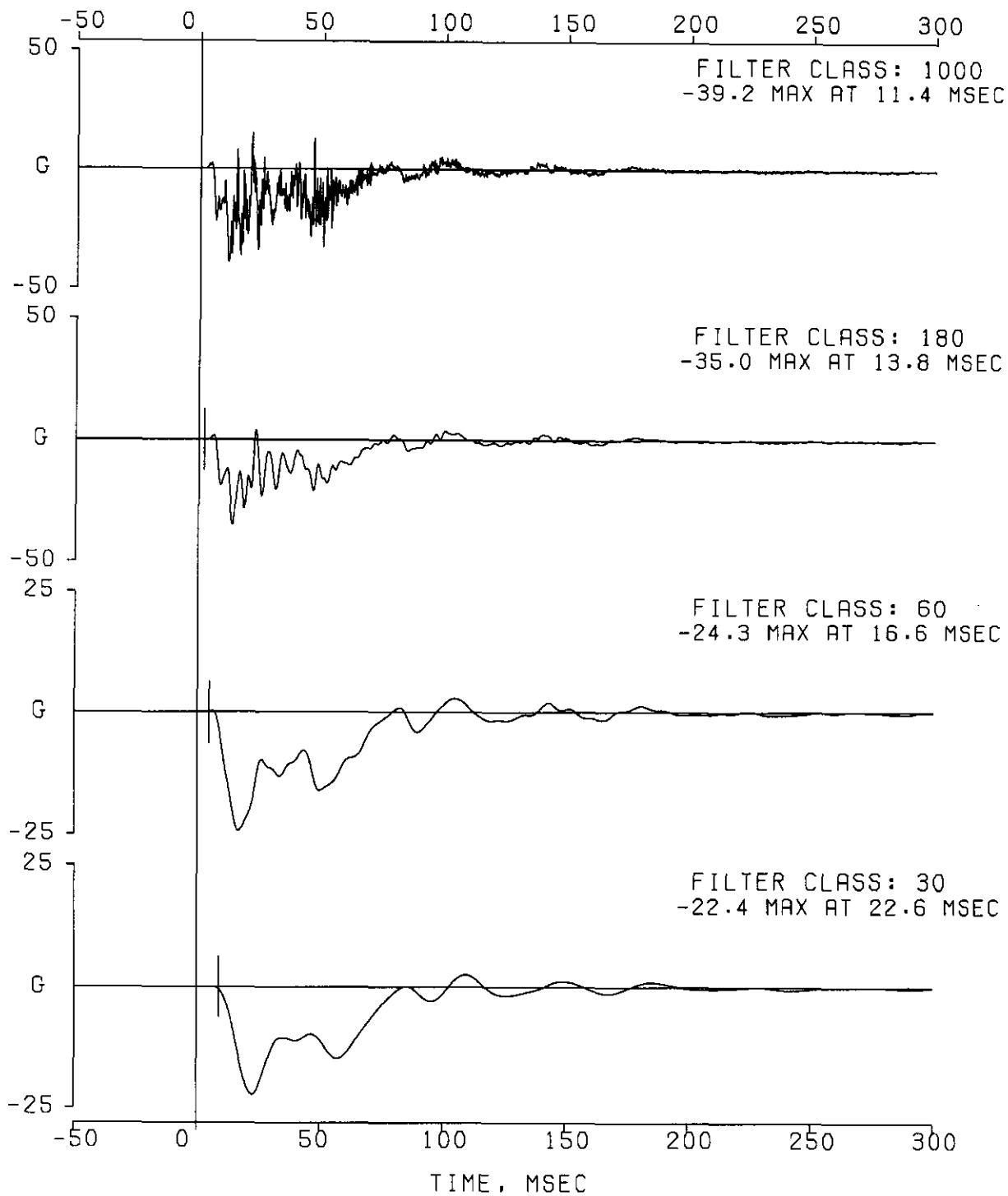
DATA SET 04/25/02BC

APR 26.2002

ERRATA

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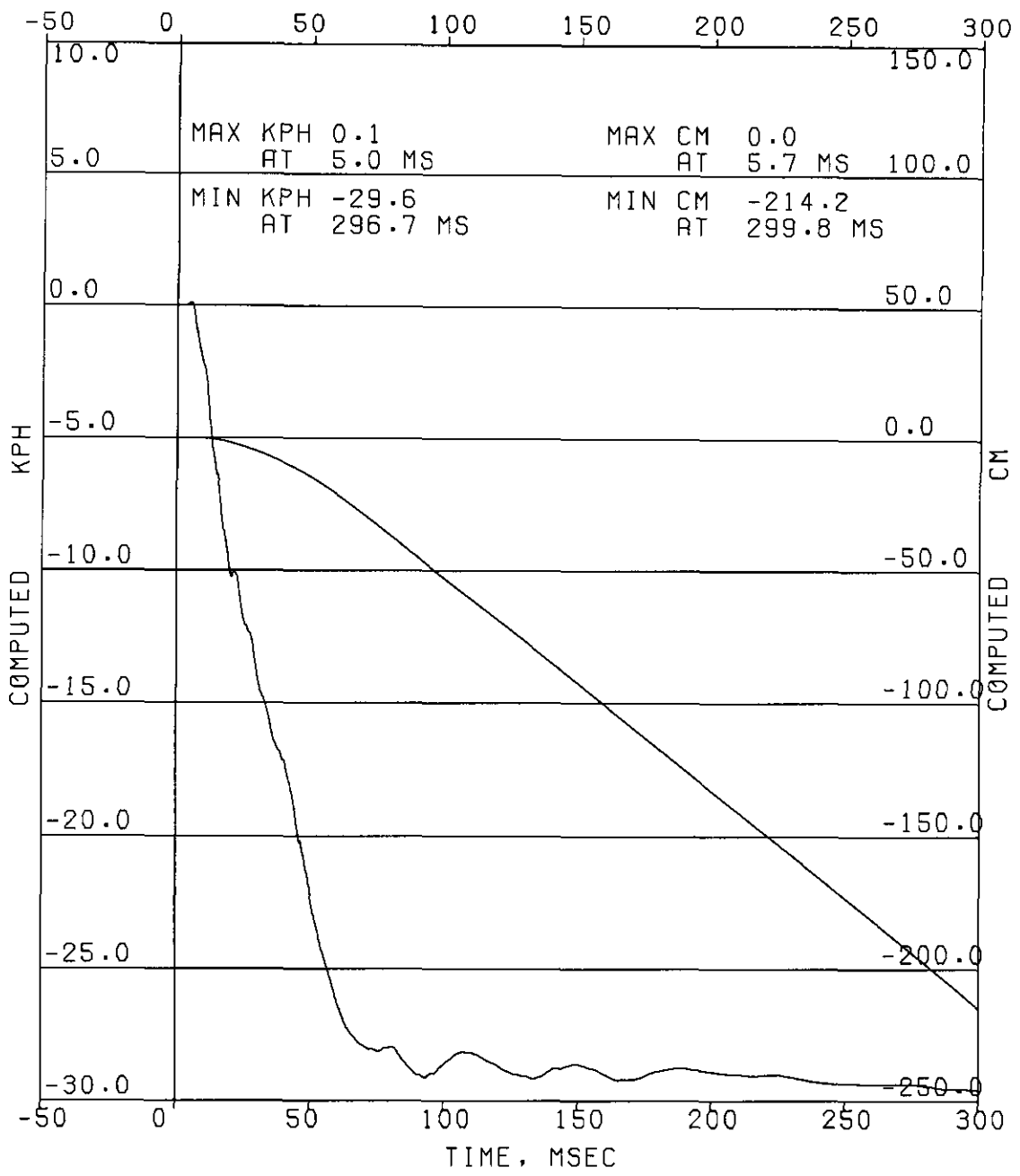




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IMPACT ANALYSIS DEPT. 5320
APR 26,2002

DATA SET 04/25/02BC
ERRATA 1

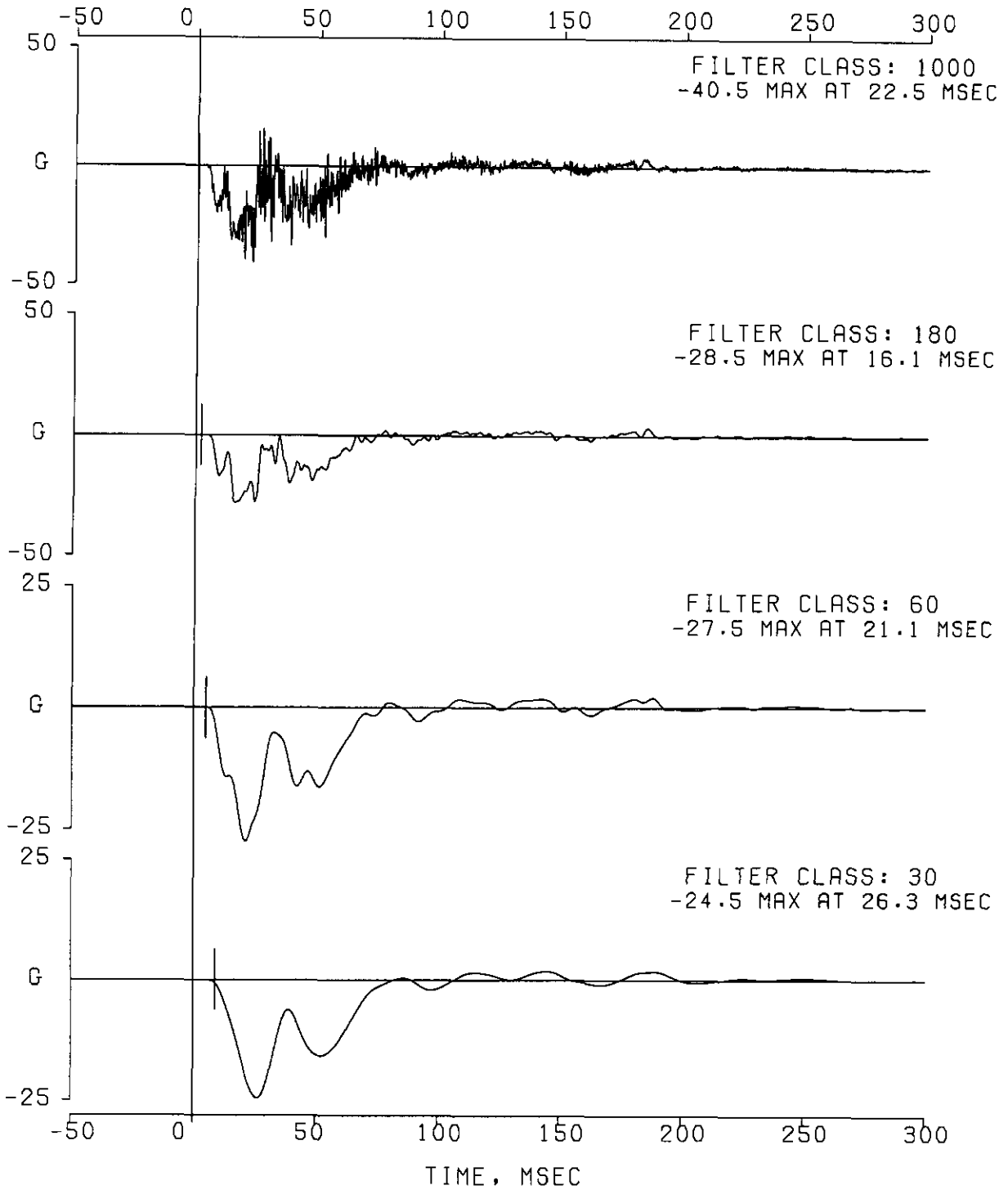


COMPUTED KPH
COMPUTED CM

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ. USA 301-REAR COMPLIANCE TEST
CHANNEL 002 RIGHT FRONT SILL X P18154
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IMPACT ANALYSIS DEPT. 5320
APR 26,2002

PAGE 008
OF 030

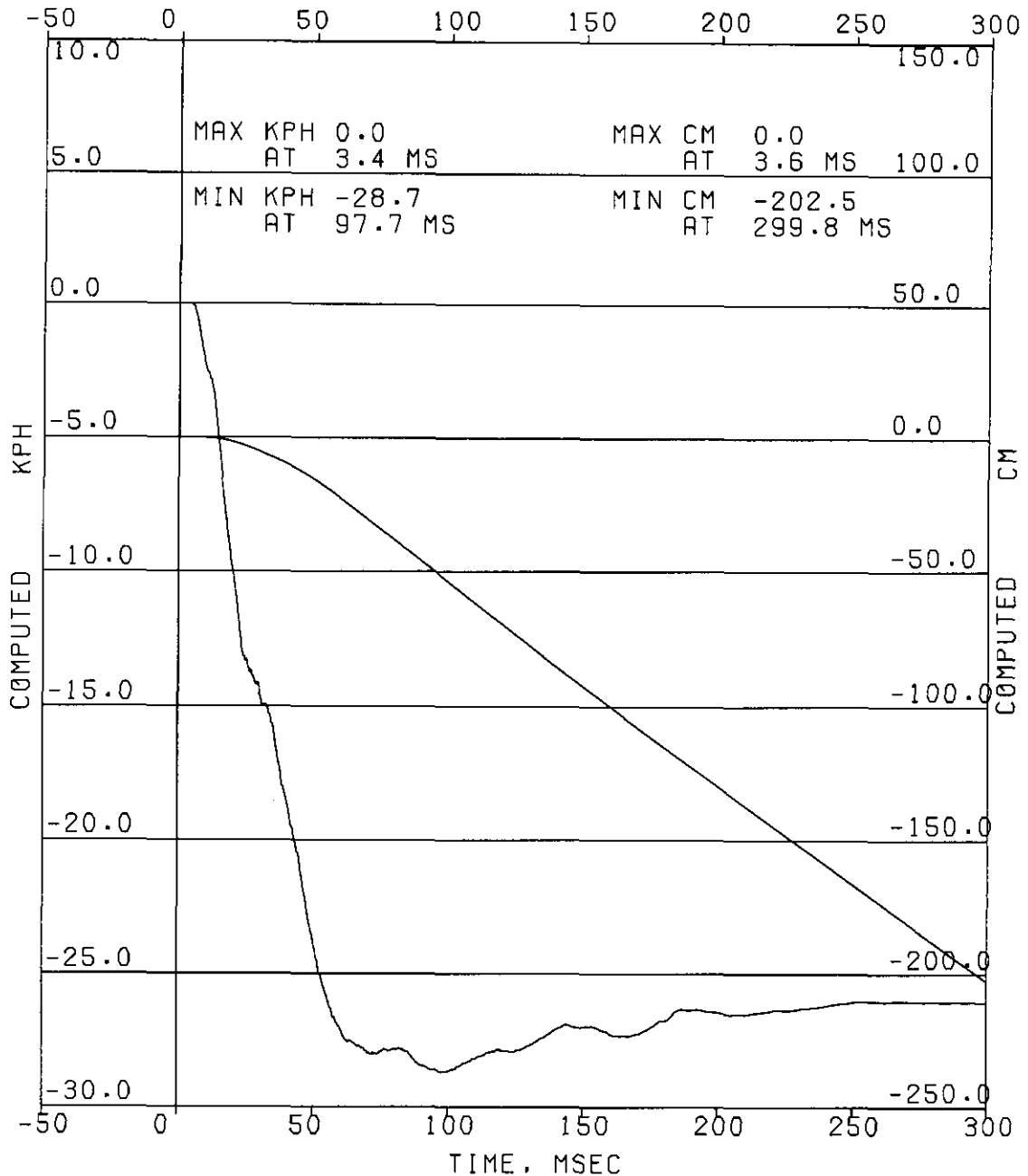
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ERRATA 1



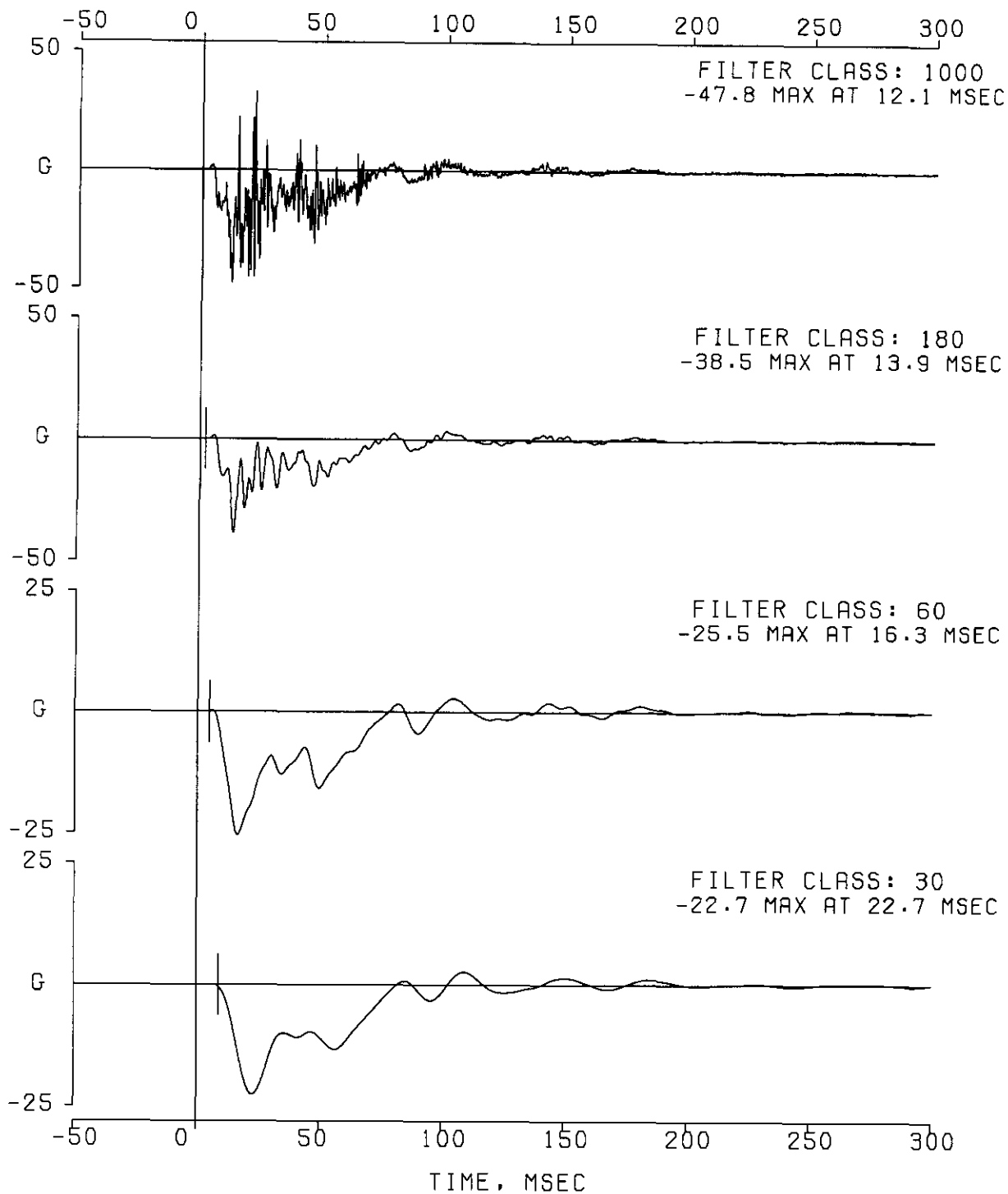
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IMPACT ANALYSIS DEPT. 5320
APR 26,2002

DATA SET 04/25/02BC
ERRATA 1



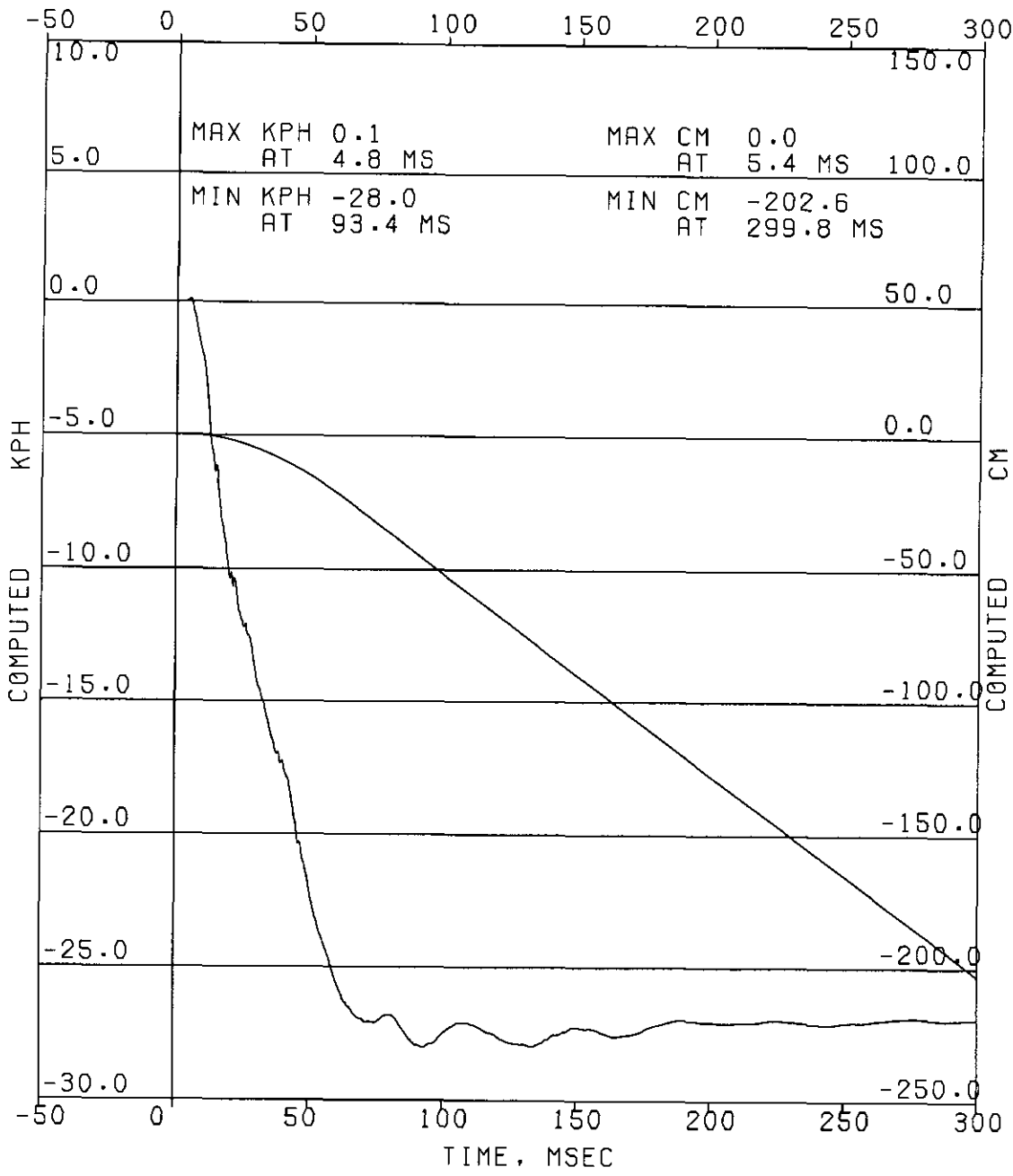
COMPUTED KPH
COMPUTED CM



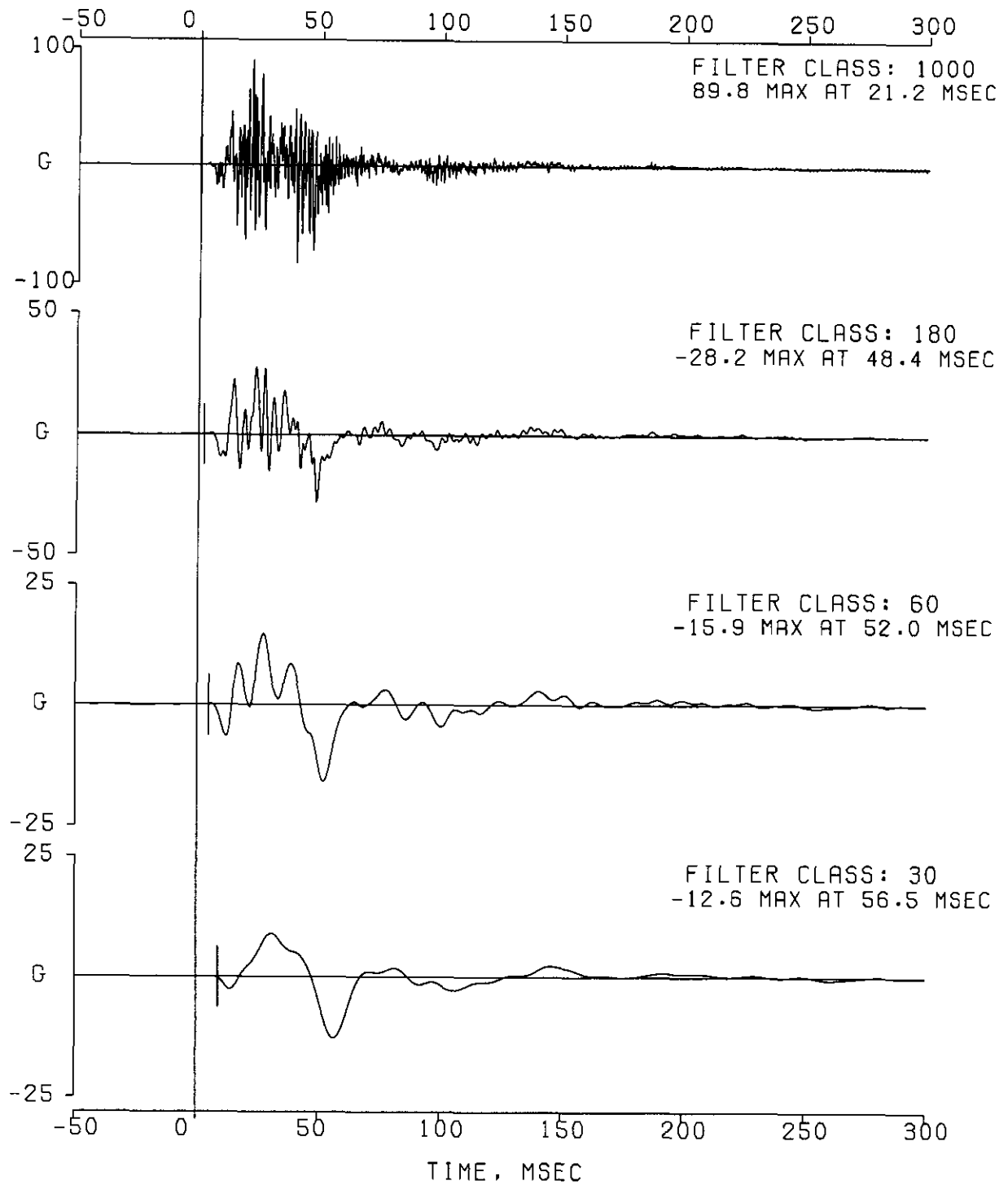
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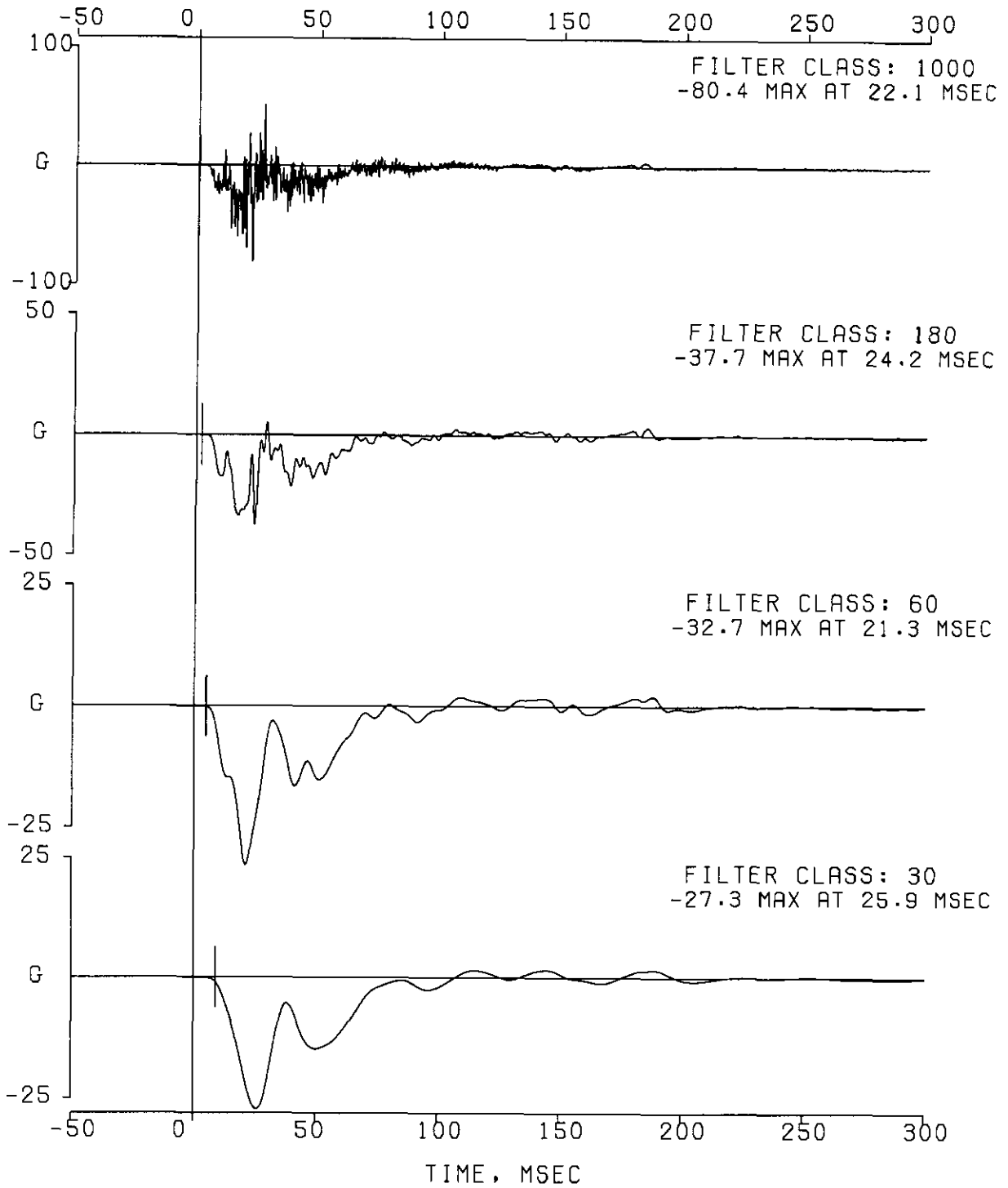
IMPACT ANALYSIS DEPT. 5320
APR 26,2002

DATA SET 04/25/02BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

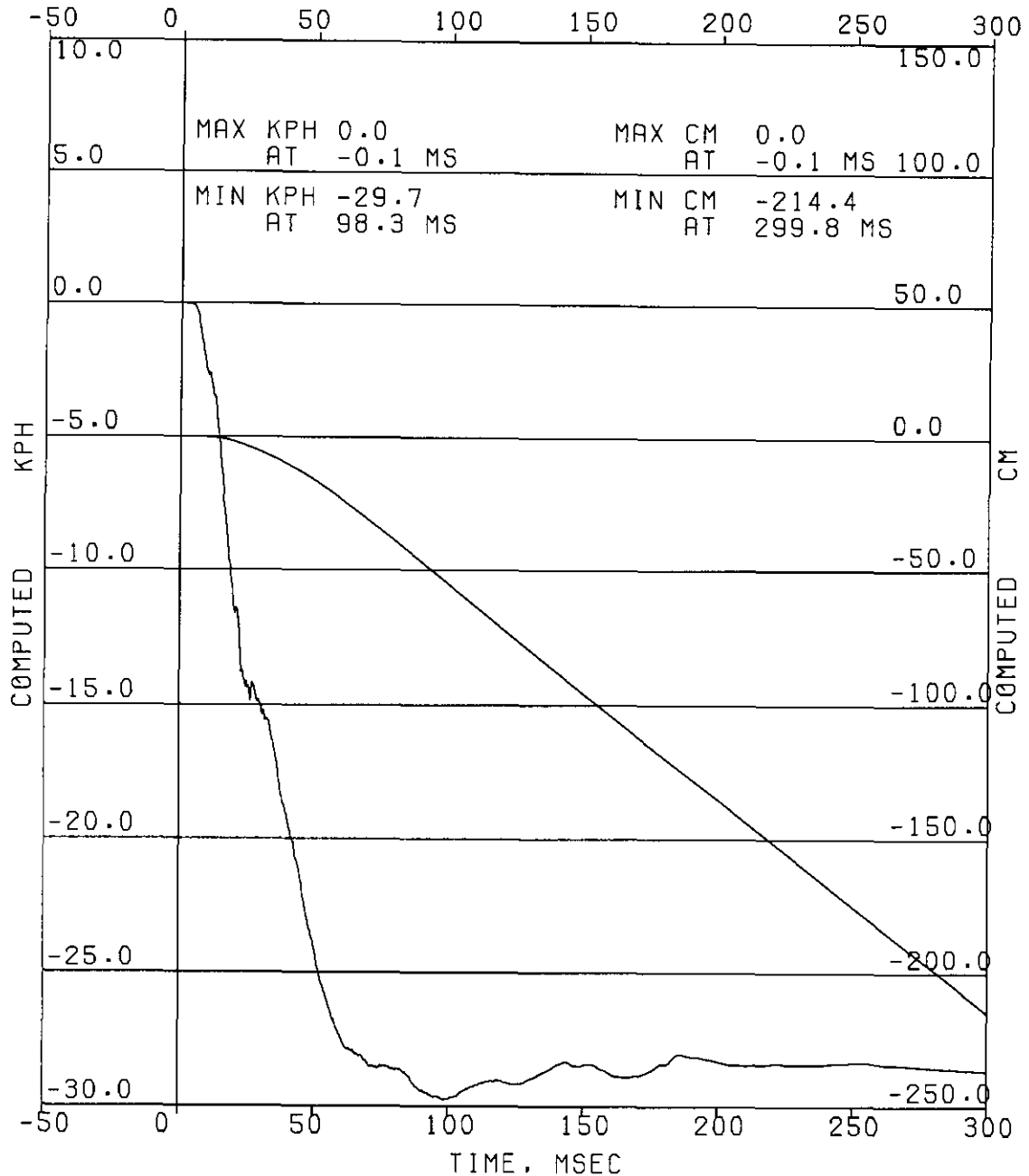




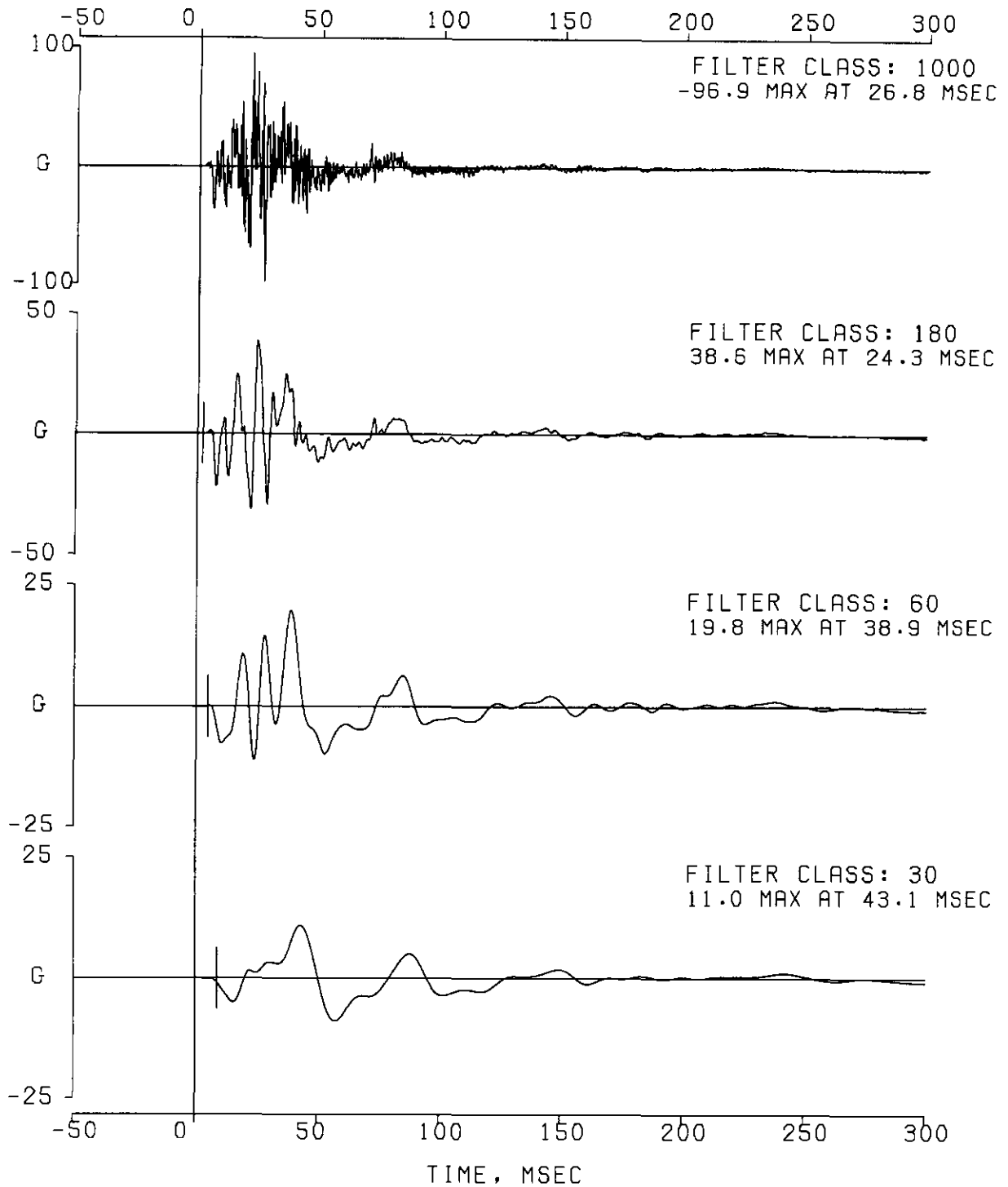
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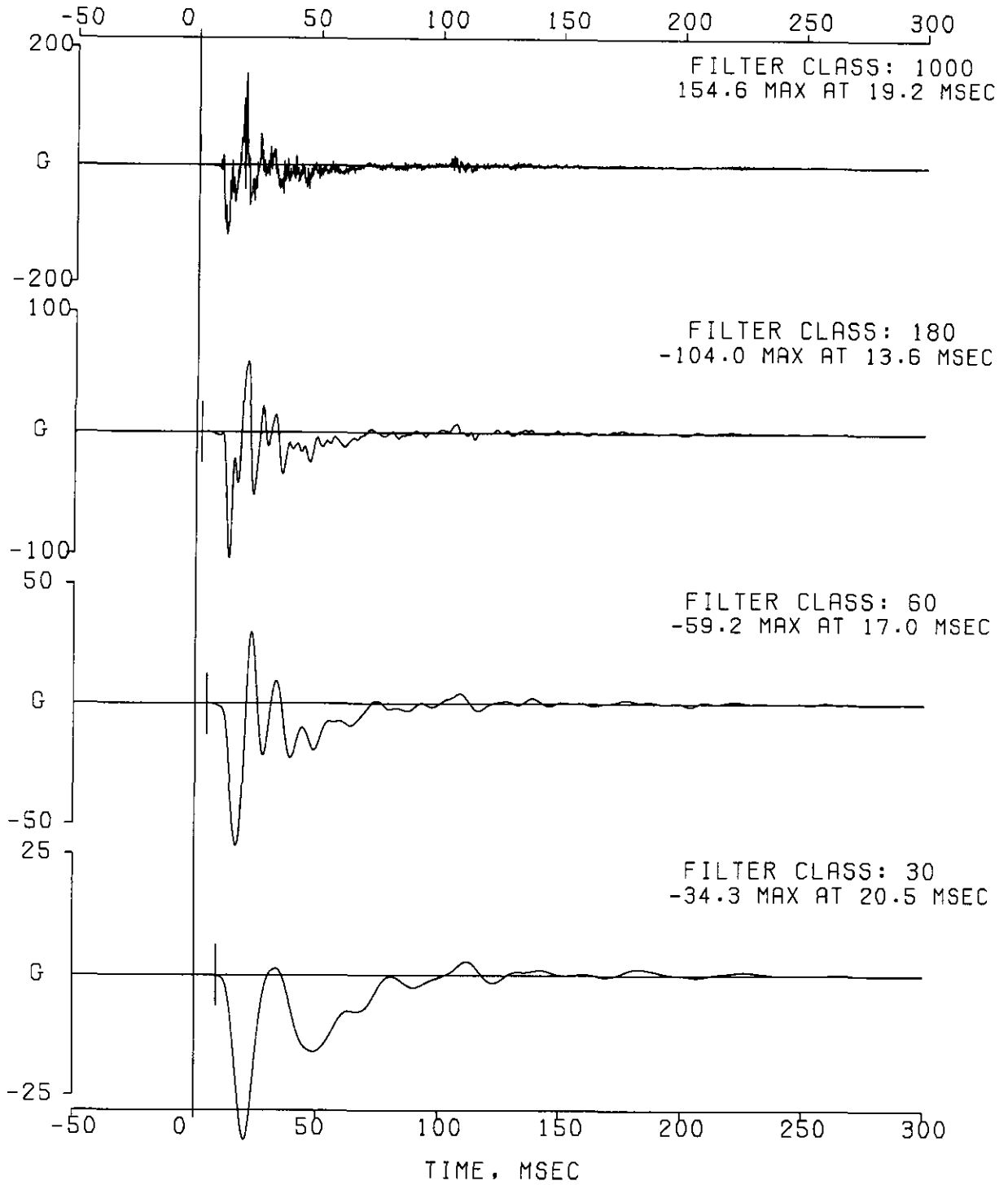
IMPACT ANALYSIS DEPT. 5320
APR 26,2002

DATA SET 04/25/02BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

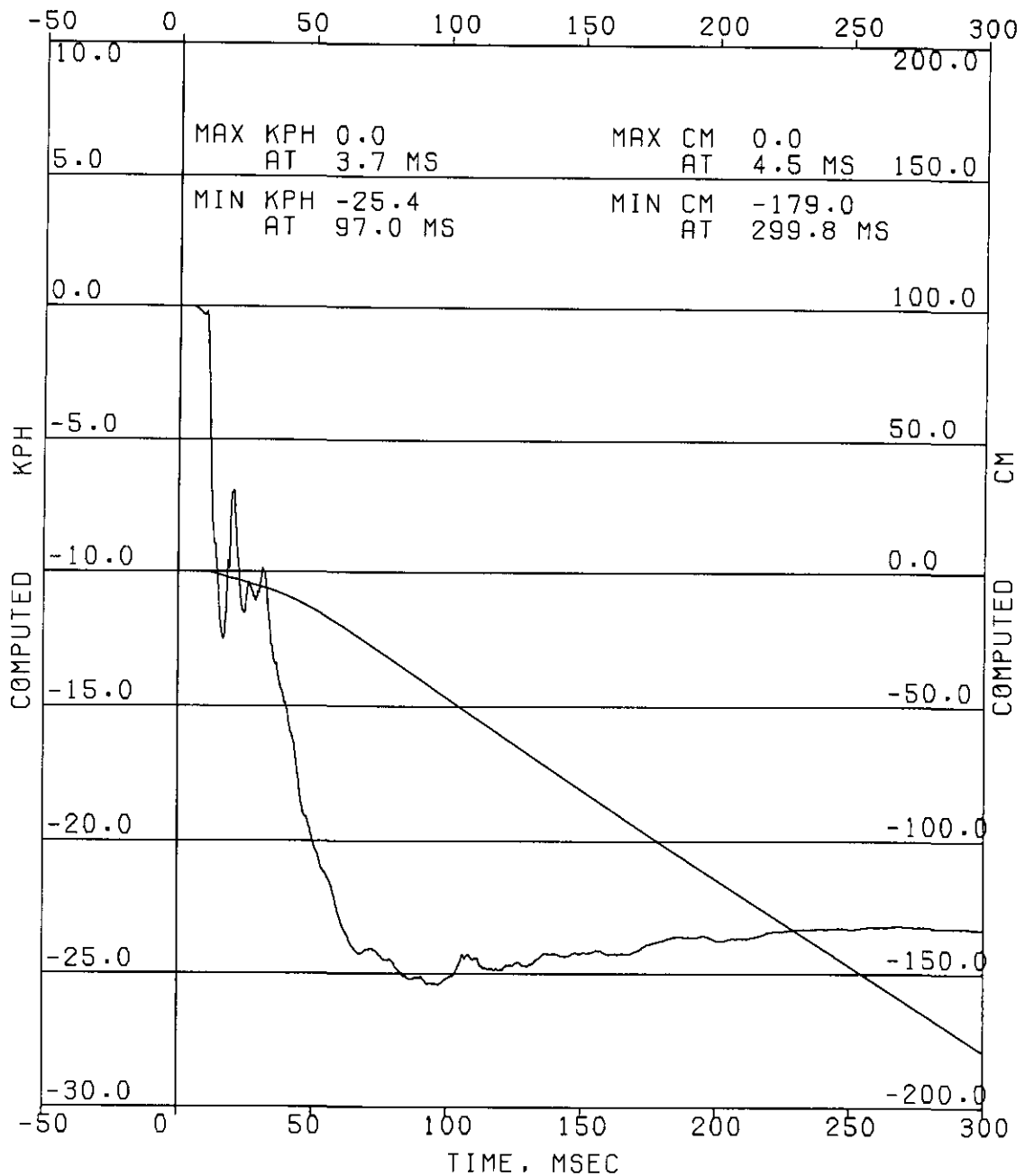




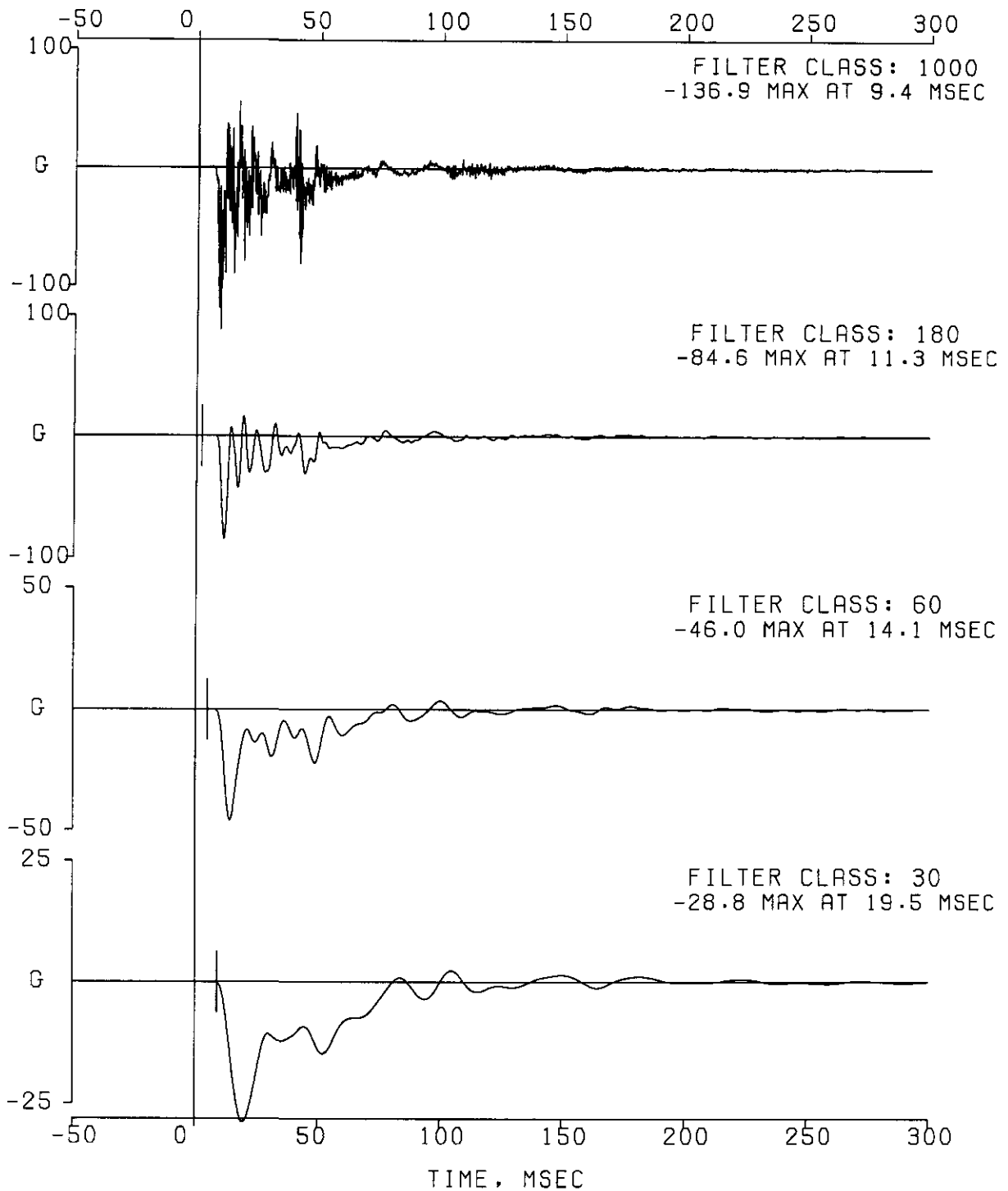
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IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1



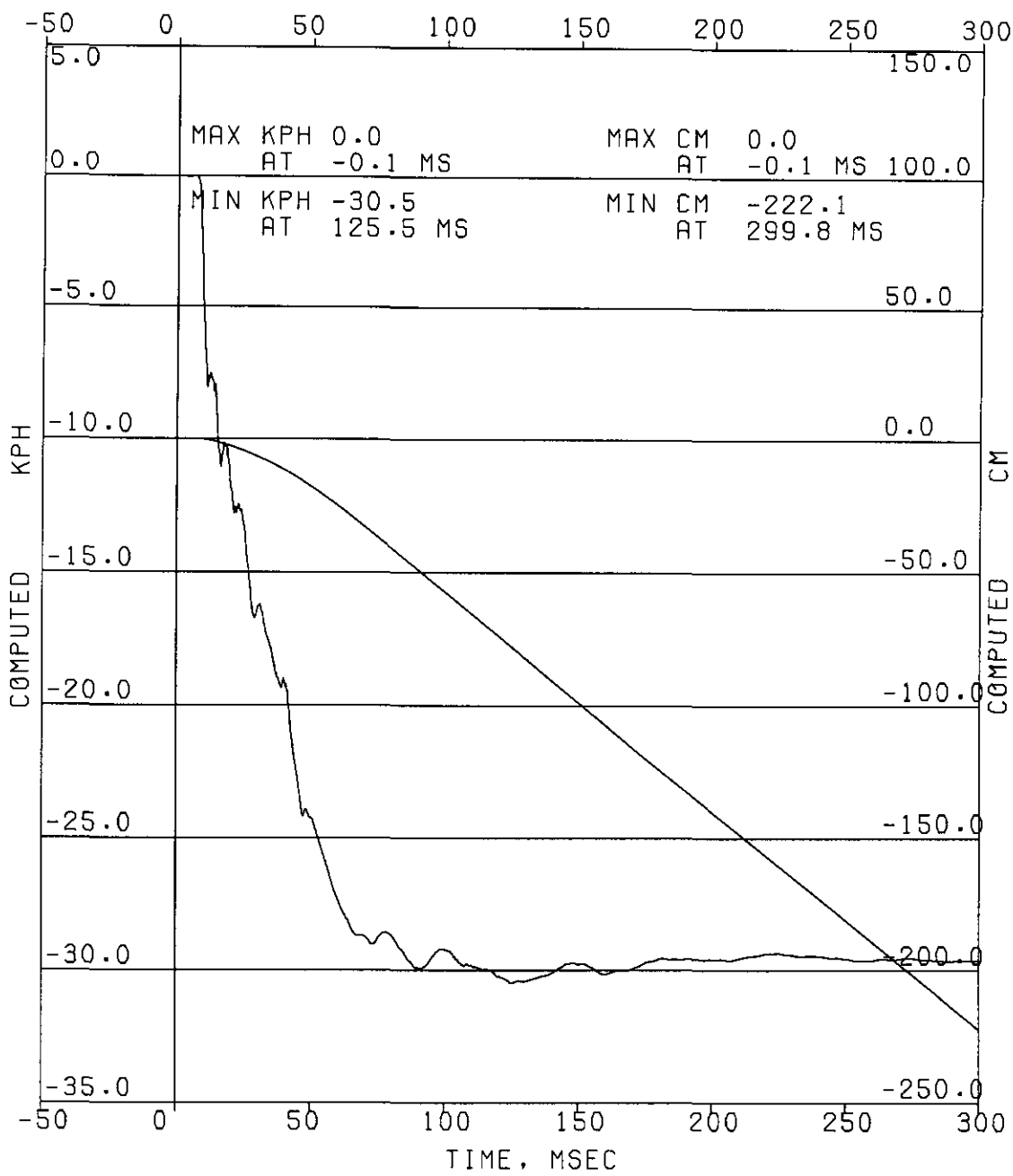
COMPUTED KPH
COMPUTED CM



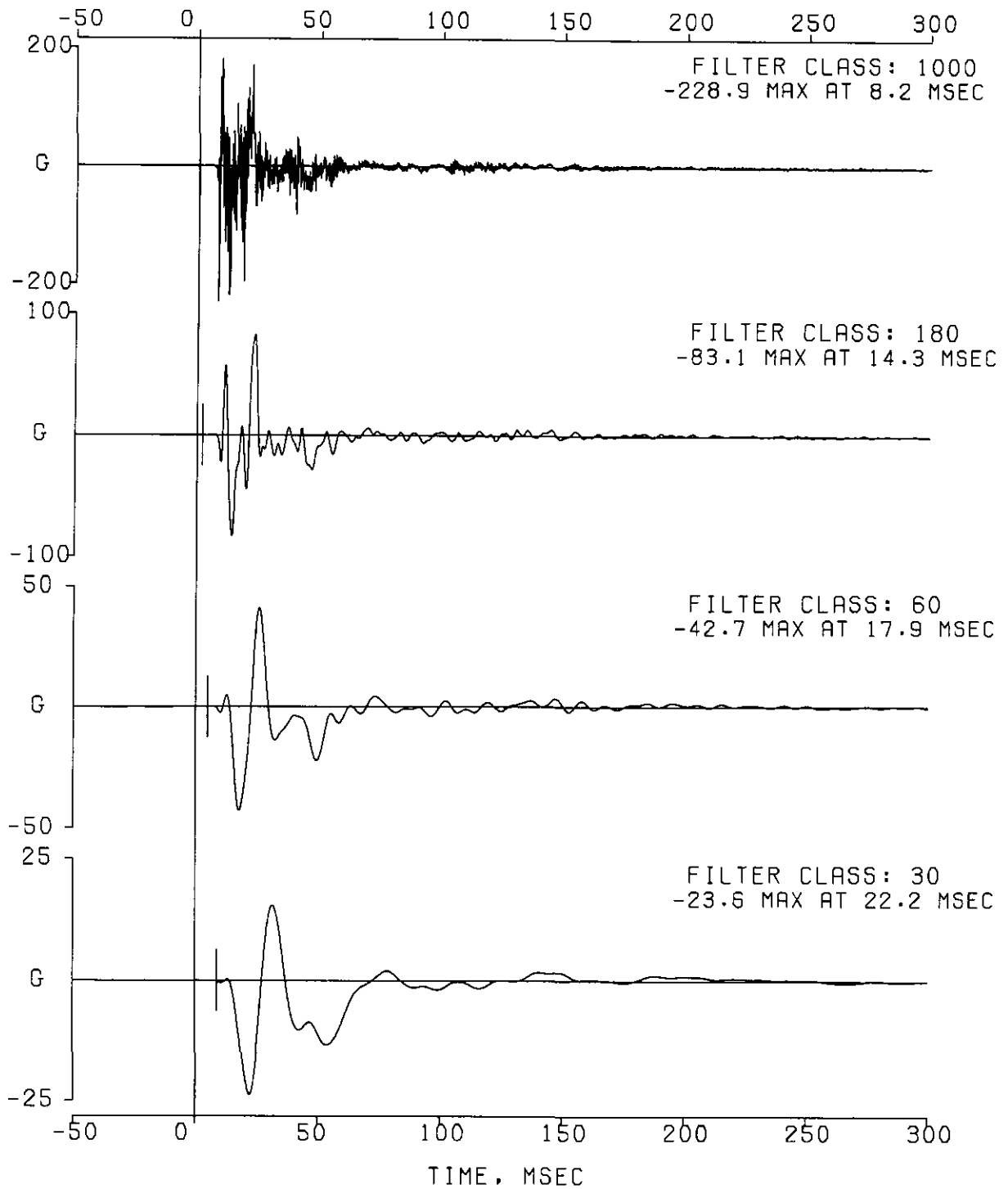
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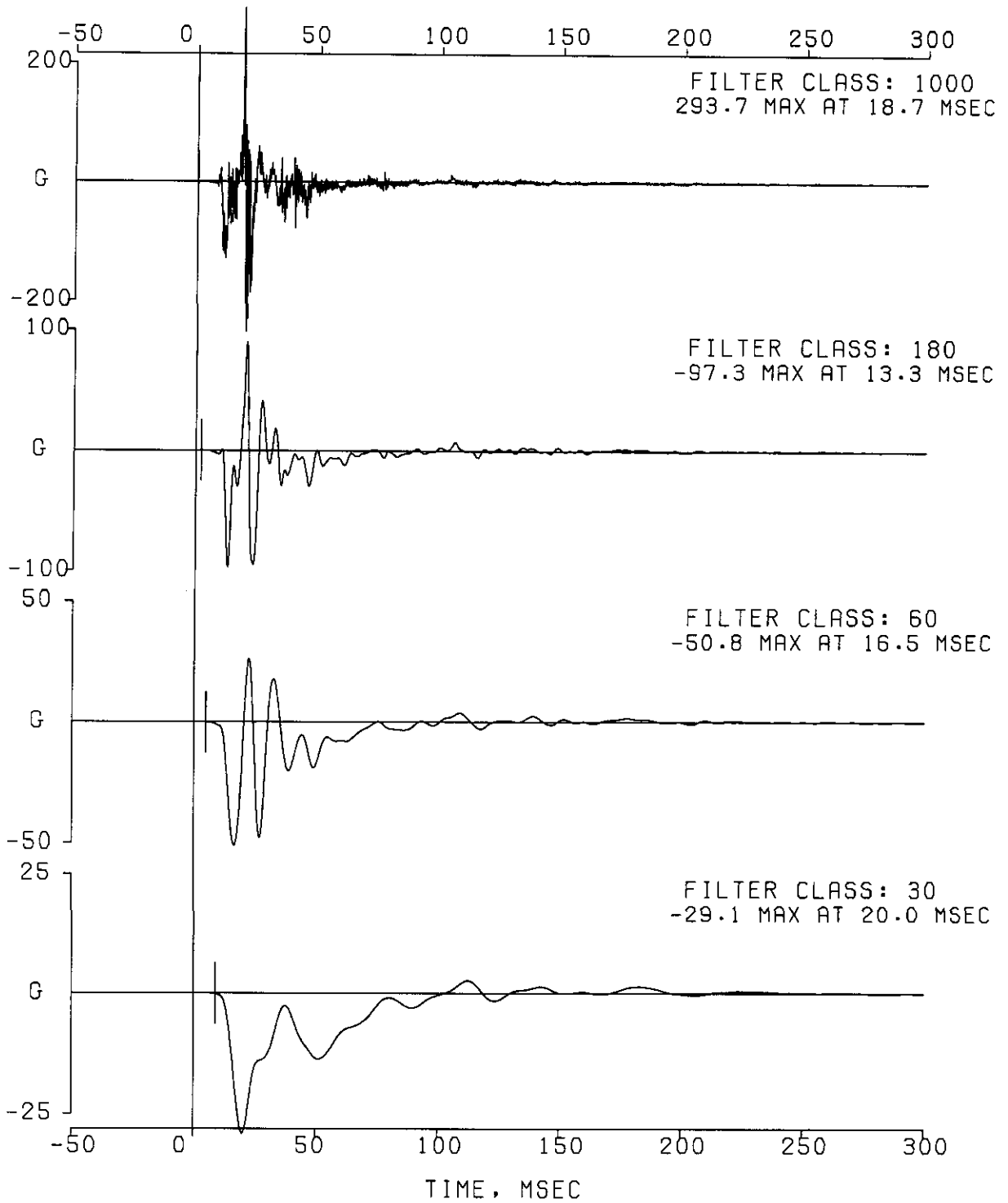
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

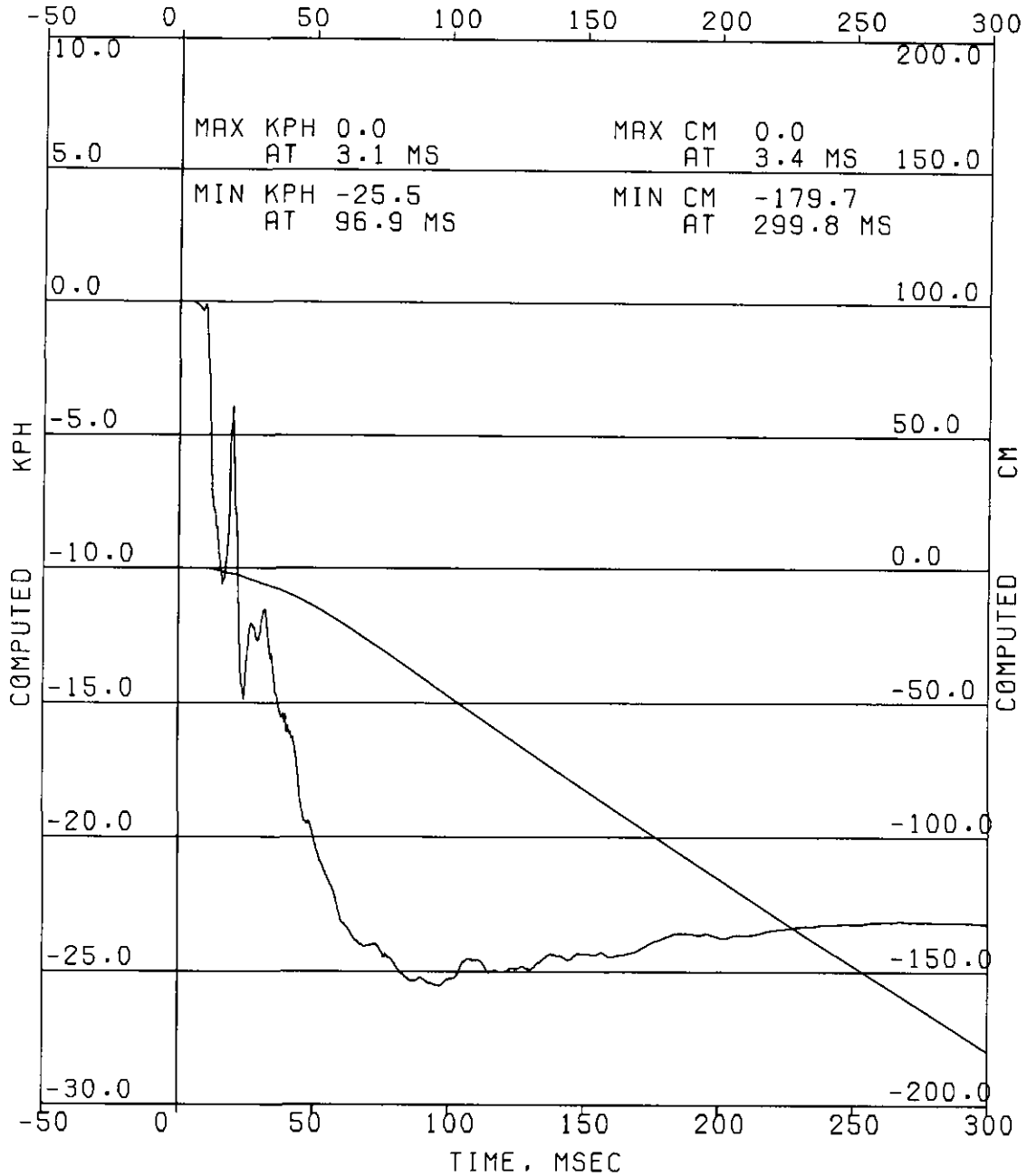




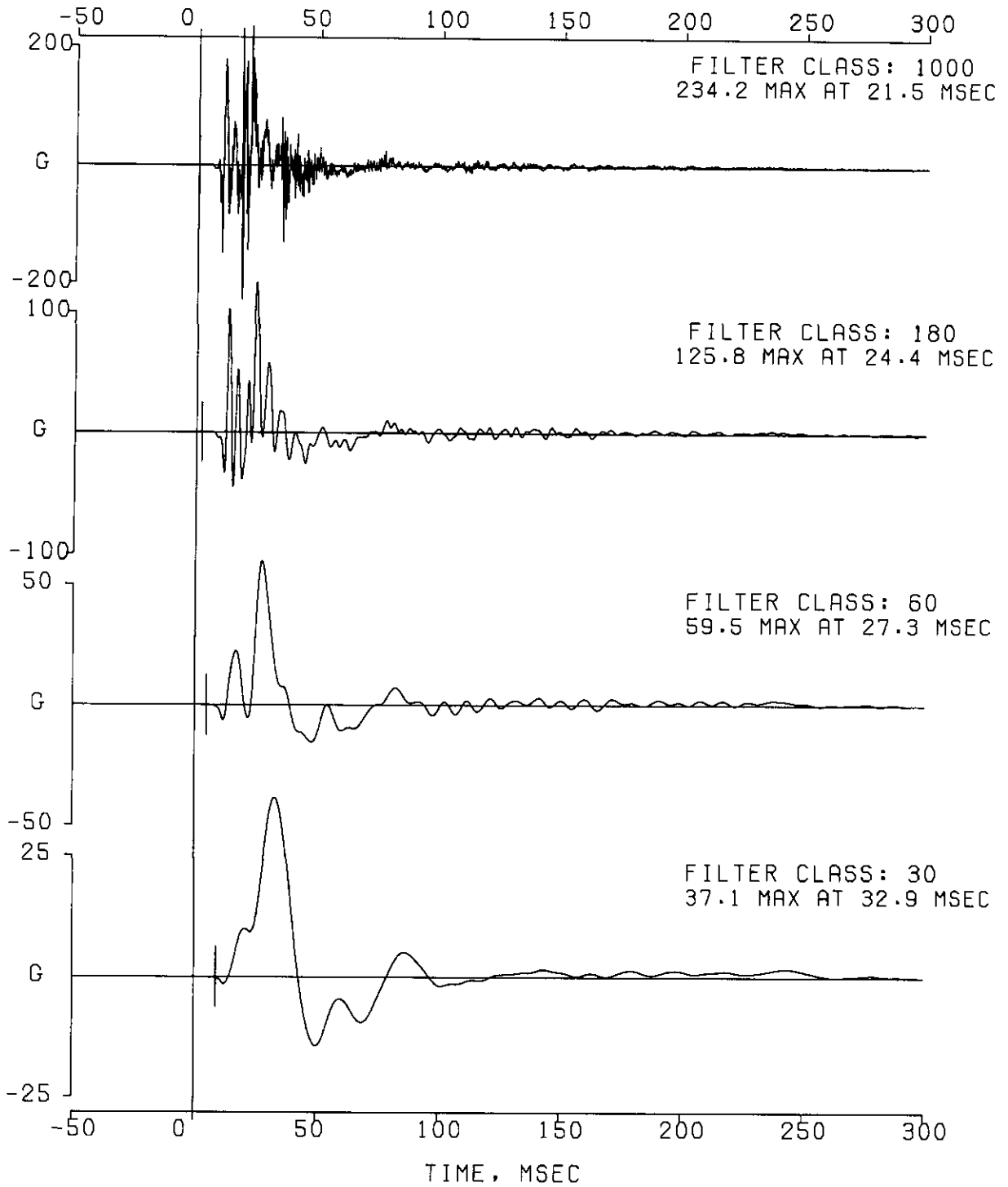
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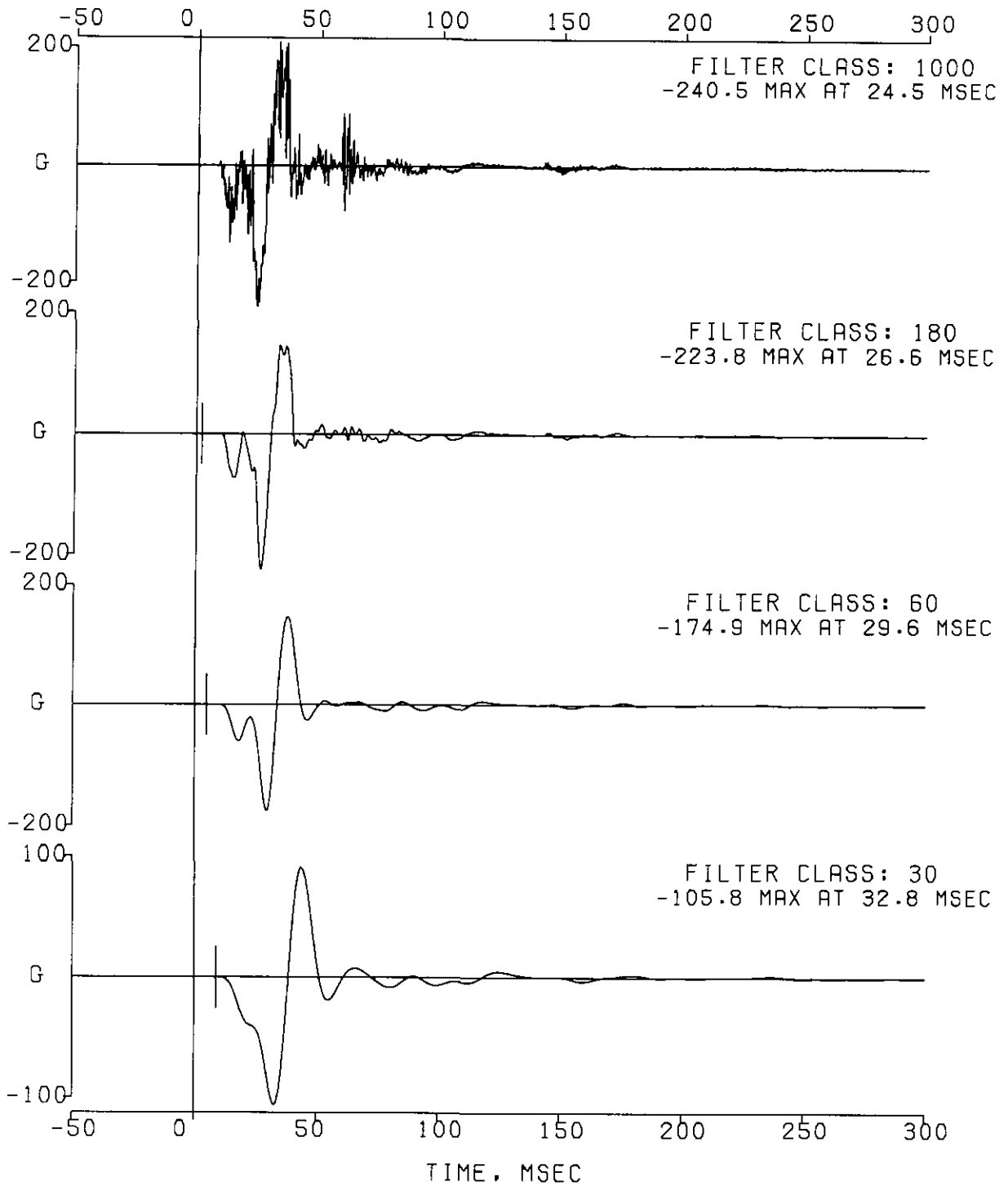
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

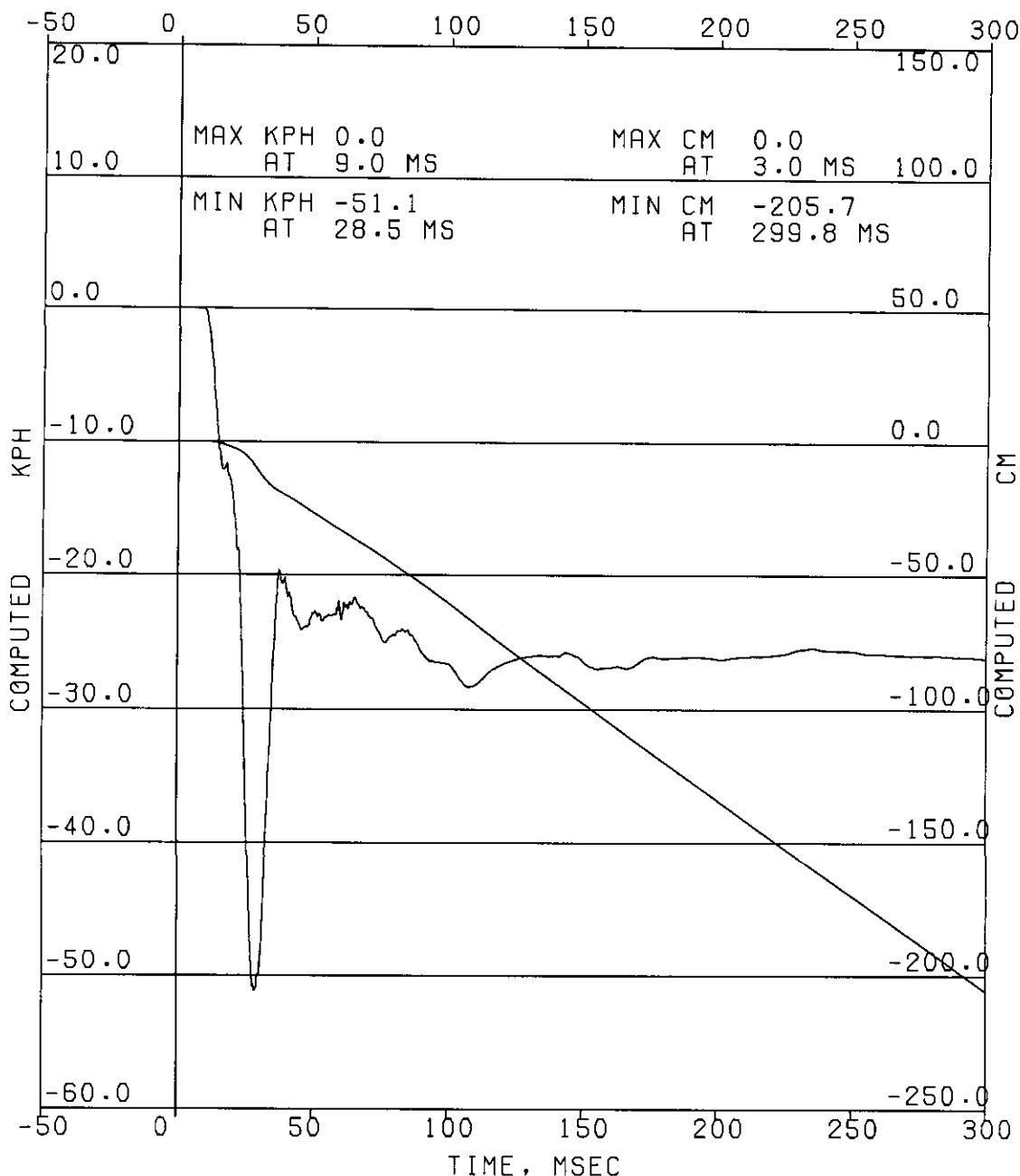




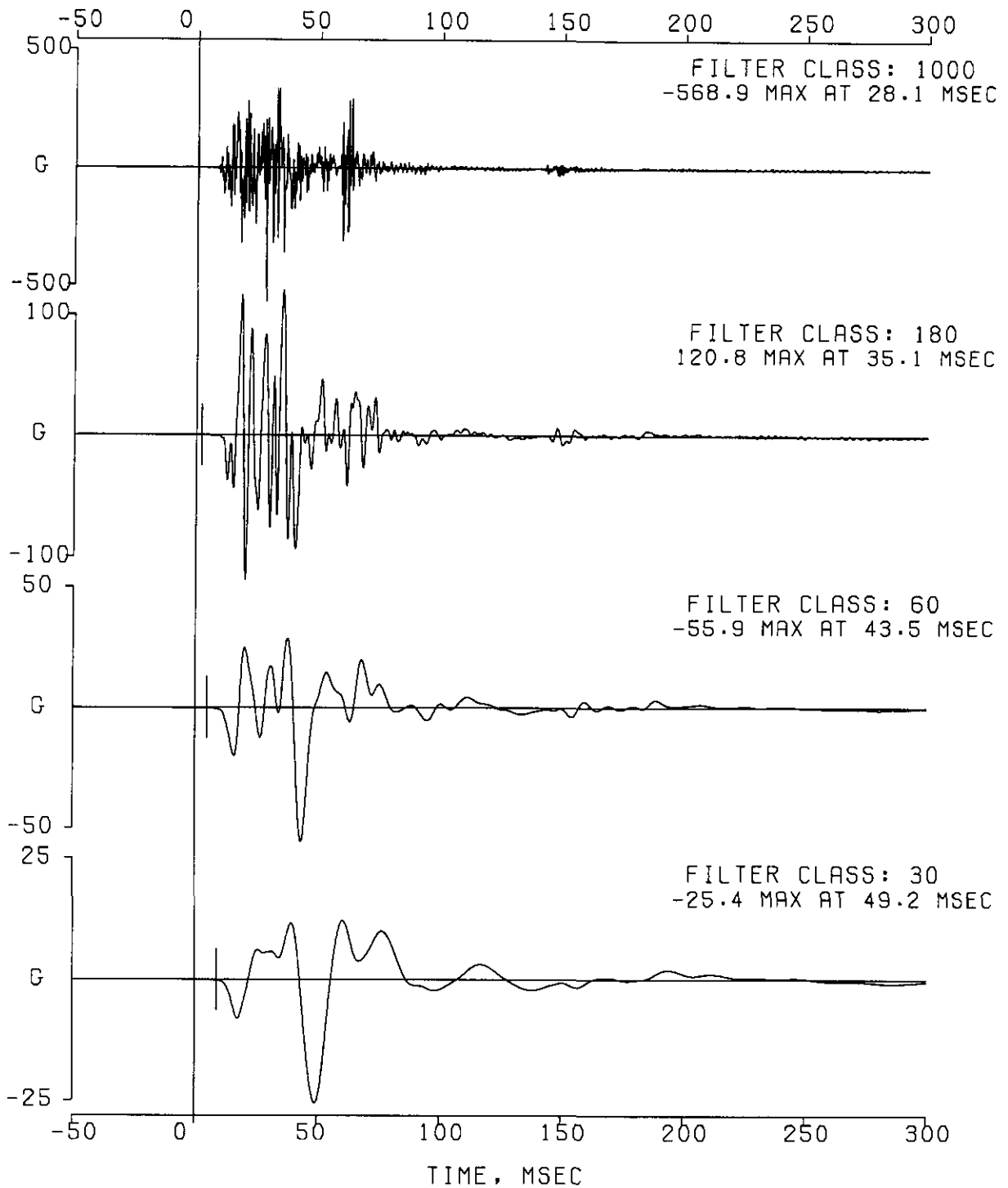
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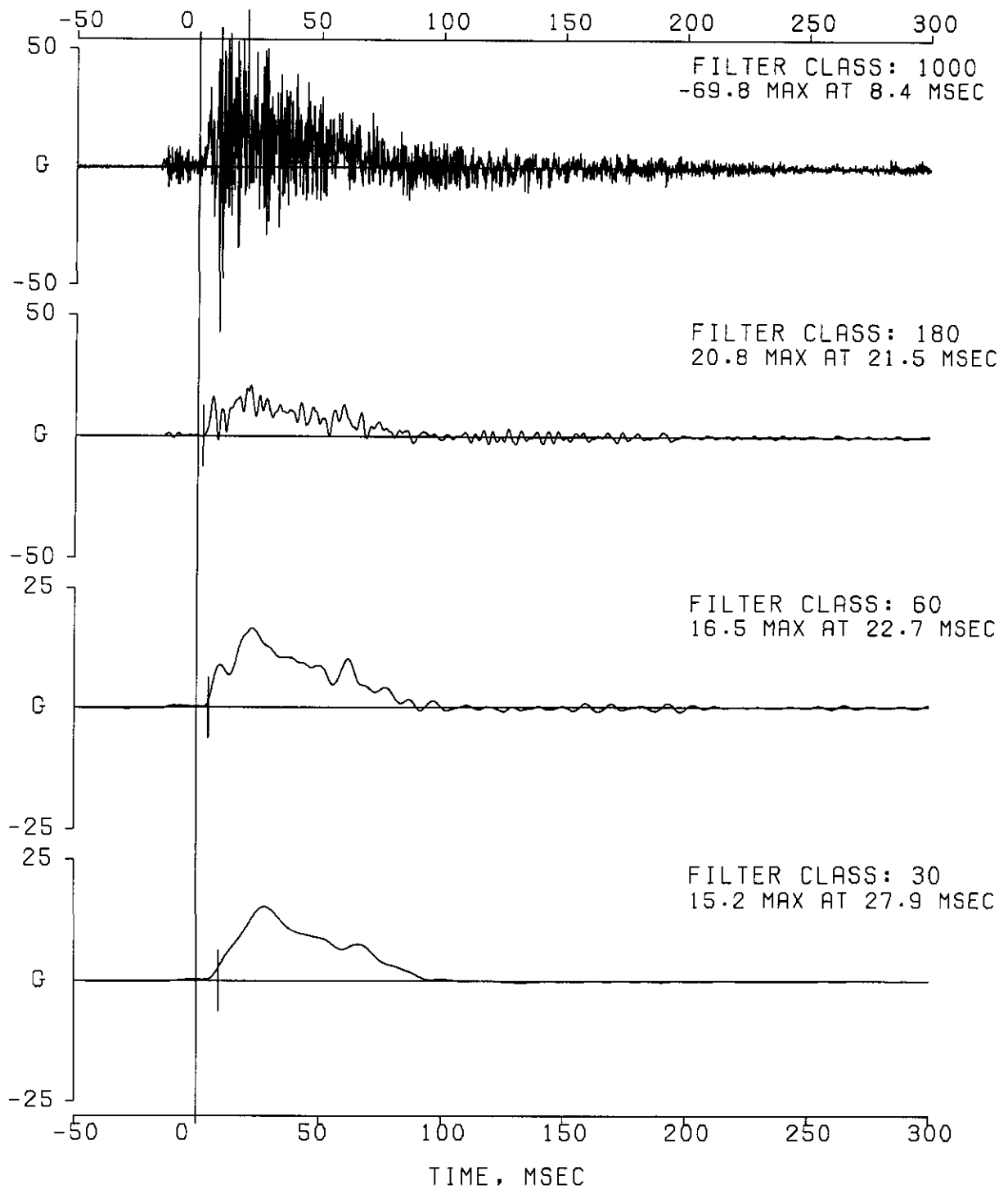
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

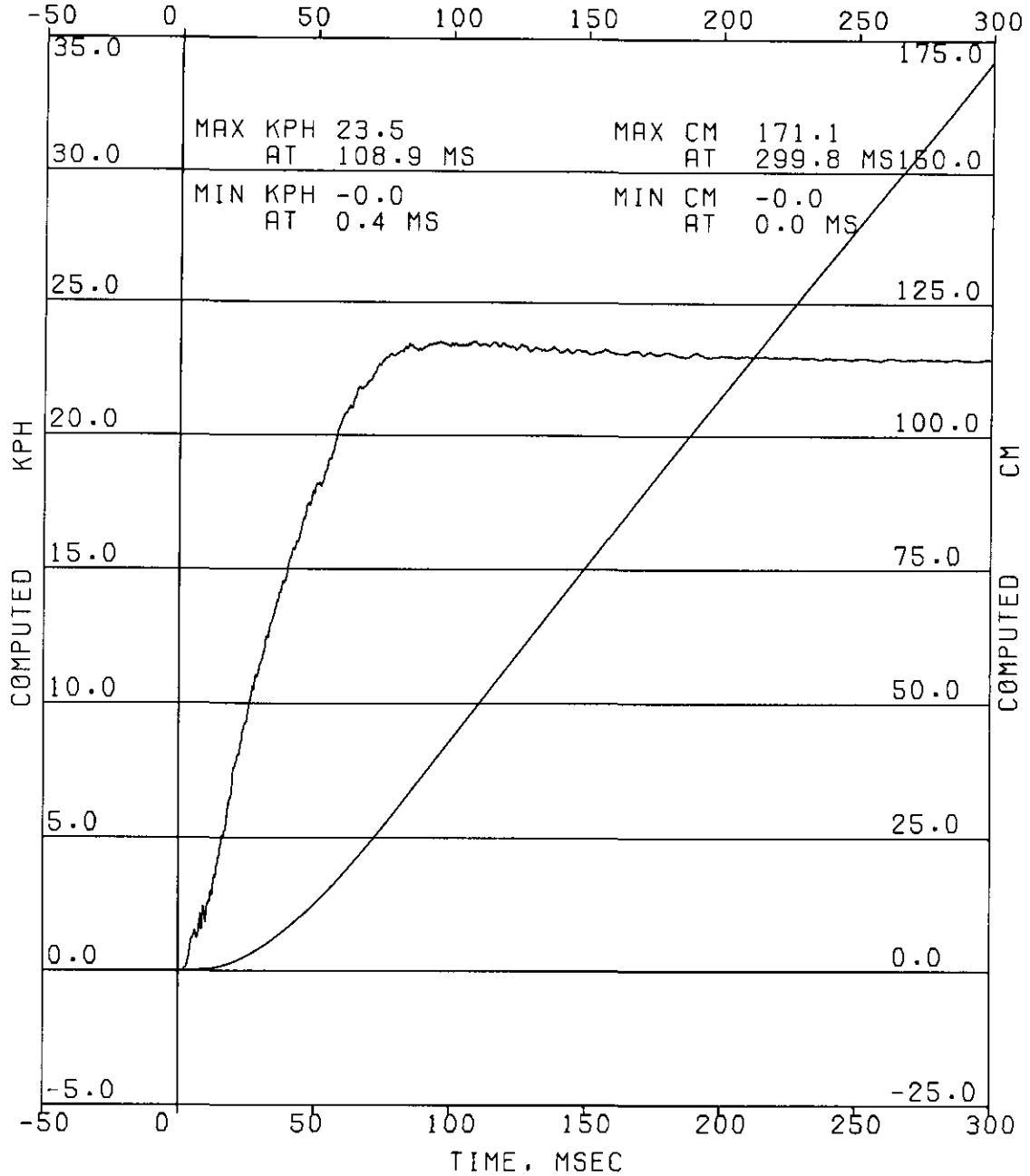




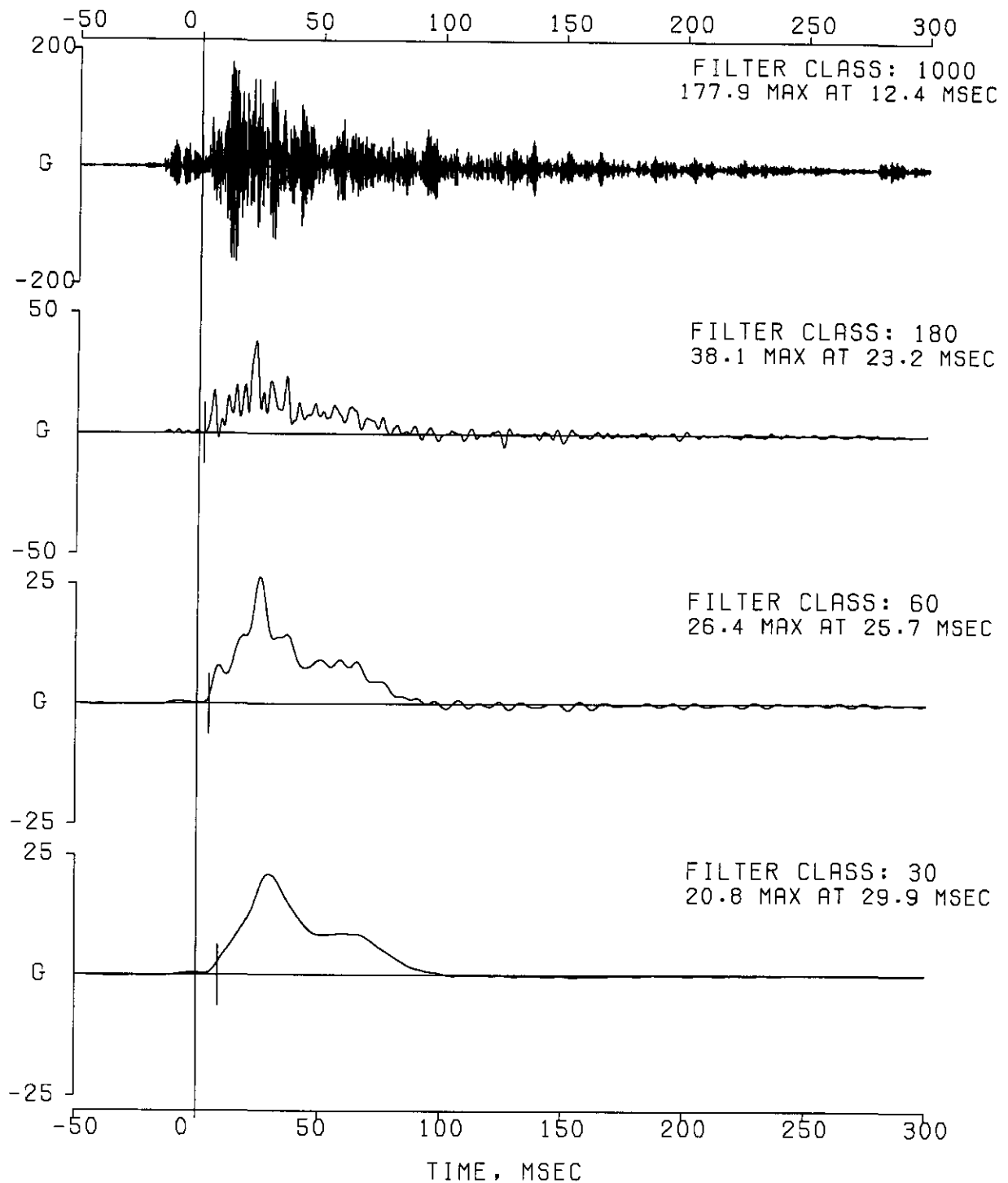
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FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 26,2002

DATA SET 04/25/02BE
ERRATA 1



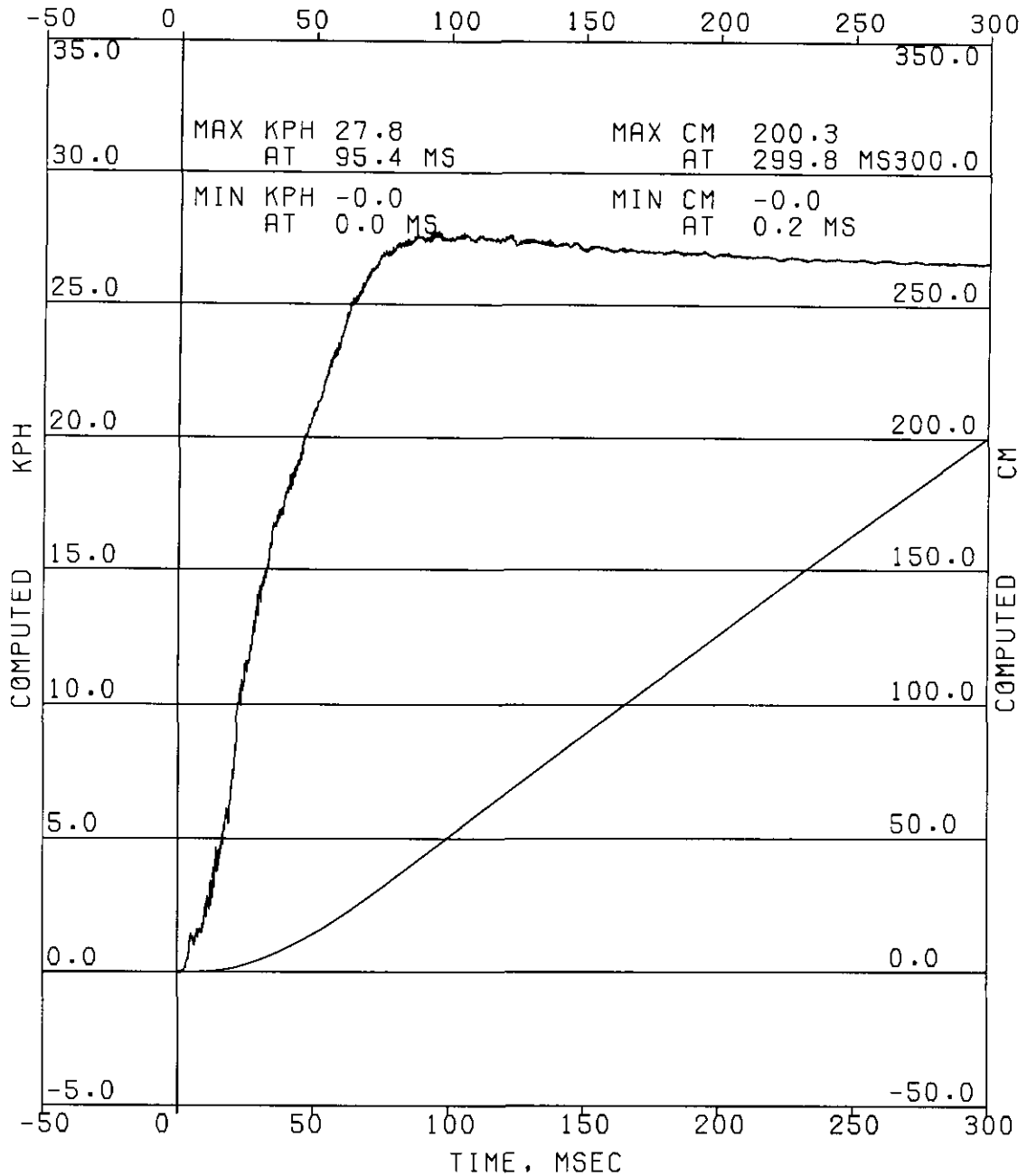
COMPUTED KPH
COMPUTED CM



FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

DATE 04/26/02
TIME 14:00:27.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC09782 ITEM C3TJJ9932
VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG

TEST PURPOSE PRIMARY, 2003 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; TJJ
BODY; L77
ENGINE; 2.4 LITER
ENGINE NOTE; I4
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J4FA29103P [REDACTED] MOD.
VIN AS BUILT; 1J4FA29103P [REDACTED] MOD.

TEST SPEED 49.11 KPH BY TRAP AVERAGE

TEST WEIGHT (KG) 1752 TOTAL, 874 FRONT, 878 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-59
RESTRAINT- 3-PT UNIBELT ONLY
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-75
RESTRAINT- 3-PT UNIBELT ONLY

BUILD CONDITION ORIGINAL BUILD: 2003 SE, SILVER, HALF DOORS, SOFT
TOP, MAN TRANS, NON-TILT STEERING, P205/75R15, B-
PILLAR REINFORFCEMENT, BATTERY TRAY
REINFORCEMENT, DOOR WITH REVERSE DIRECTION LOCKS,
REINFORCED SWING GATE
MODIFICATIONS: NONE

TARGET WEIGHT (KG) 1747 TOTAL
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
90.7 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 04/26/02
TIME 14:00:27.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC09782 ITEM C3TJJ9932
VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG
EDP TECHNICIAN S. MARCHENIA

No. of Pages 30

CC

M. STEBELTON

422-05-01

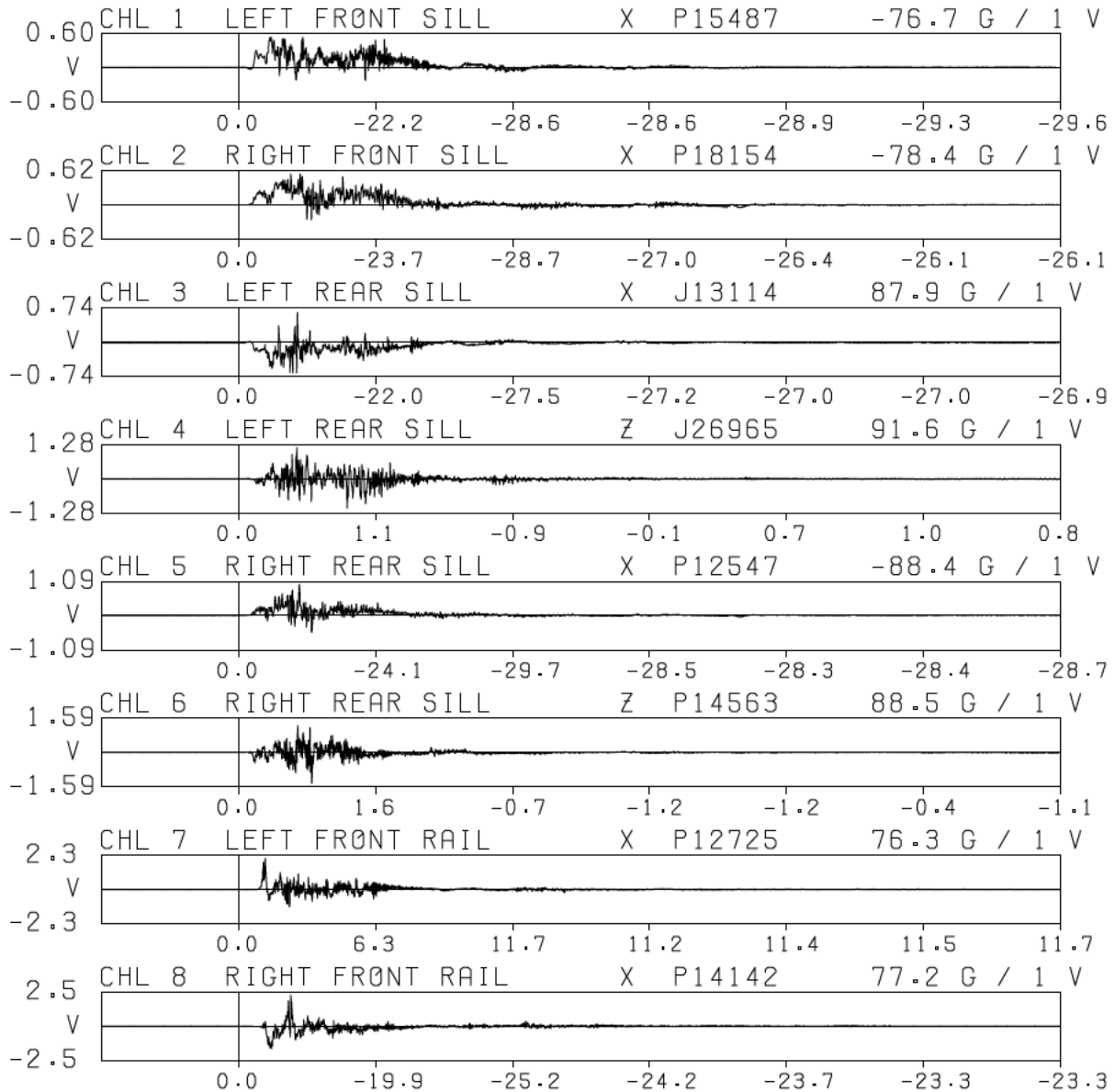
A. STEFANGO

514-17-39

TRANSDUCER SUMMARY REPORT
 VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
 03 TJ, USA 301-REAR COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 APR 26, 2002

DATA SET 04/25/02BC
 ERRATA 1

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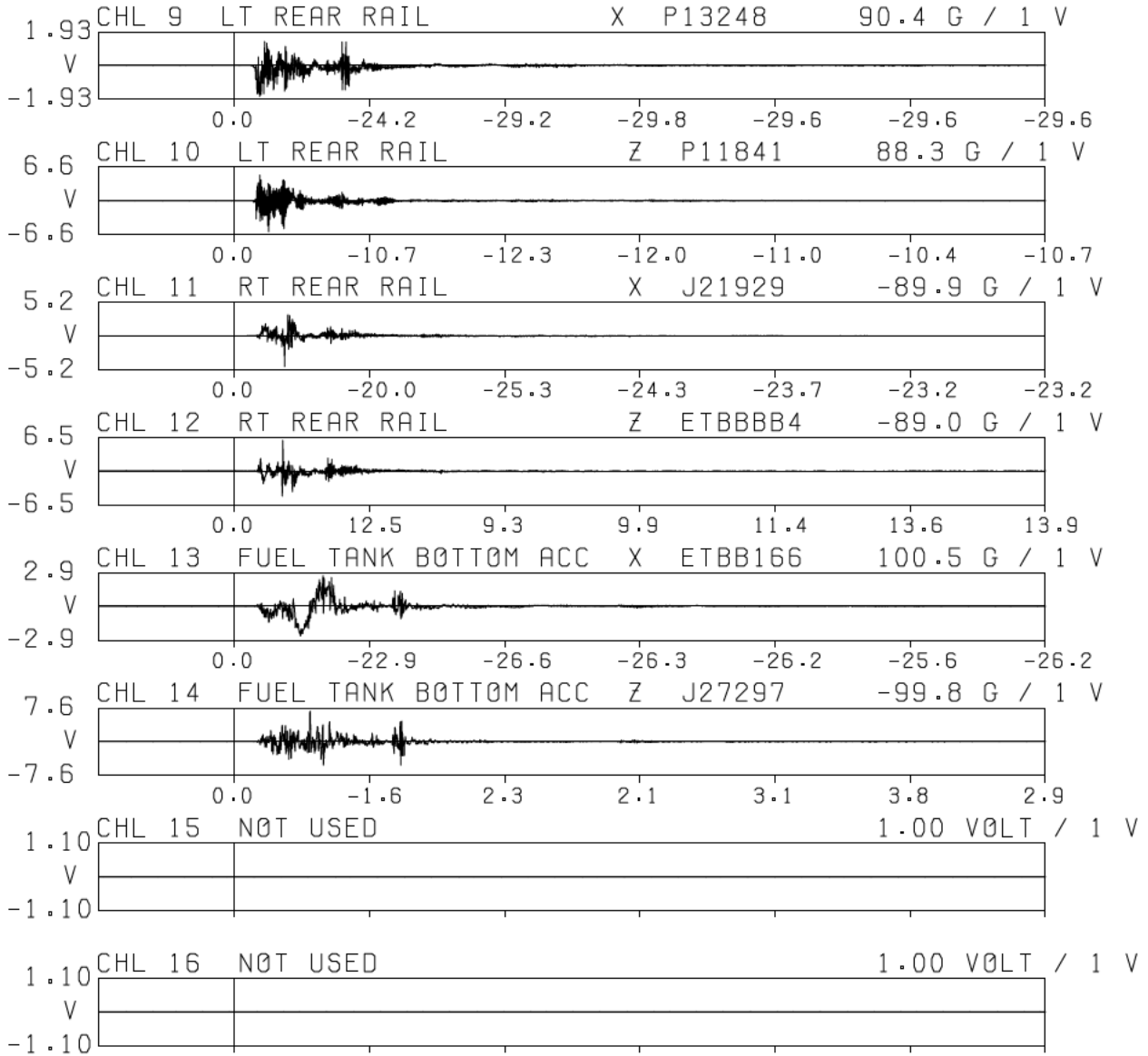
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 TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT
 VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
 03 TJ, USA 301-REAR COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 APR 26, 2002

DATA SET 04/25/02BC
 ERRATA 1

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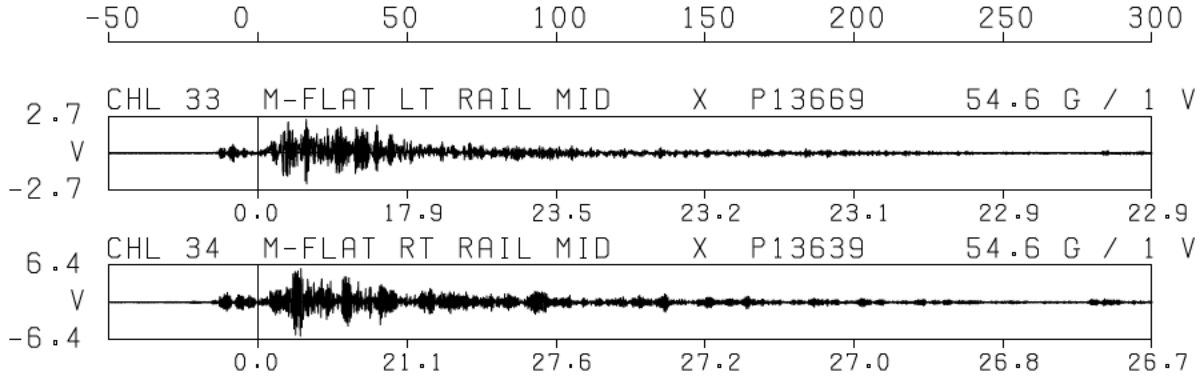


-50 0 50 100 150 200 250 300
 TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT
 VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
 03 TJ, USA 301-REAR COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 APR 26, 2002

DATA SET 04/25/02BE
 ERRATA 1



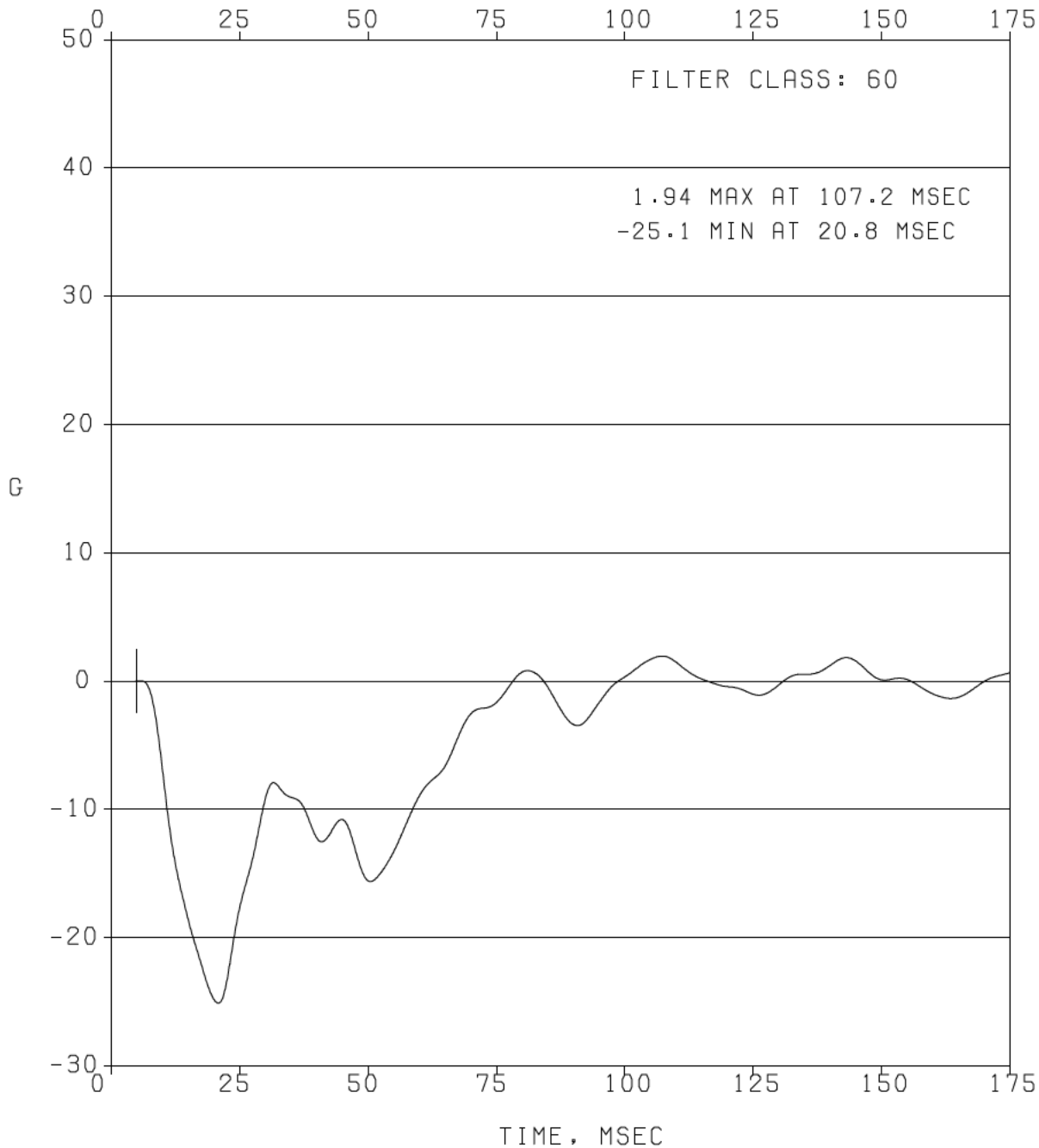
-50 0 50 100 150 200 250 300
 TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
AVERAGE OF

CHANNEL 001	LEFT FRONT SILL	X	P15487
CHANNEL 002	RIGHT FRONT SILL	X	P18154
CHANNEL 003	LEFT REAR SILL	X	J13114
CHANNEL 005	RIGHT REAR SILL	X	P12547

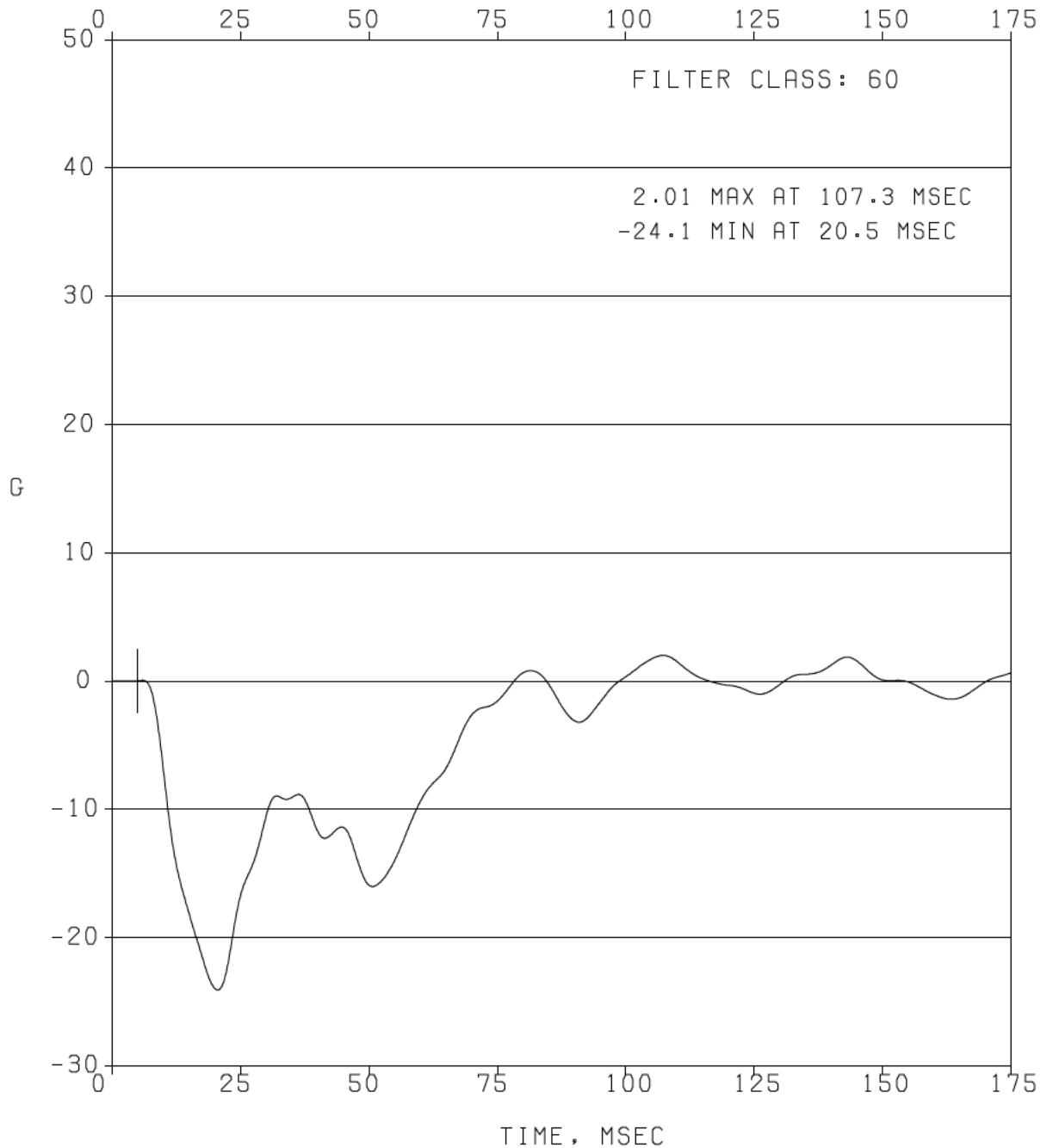
FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26, 2002 ERRATA 1



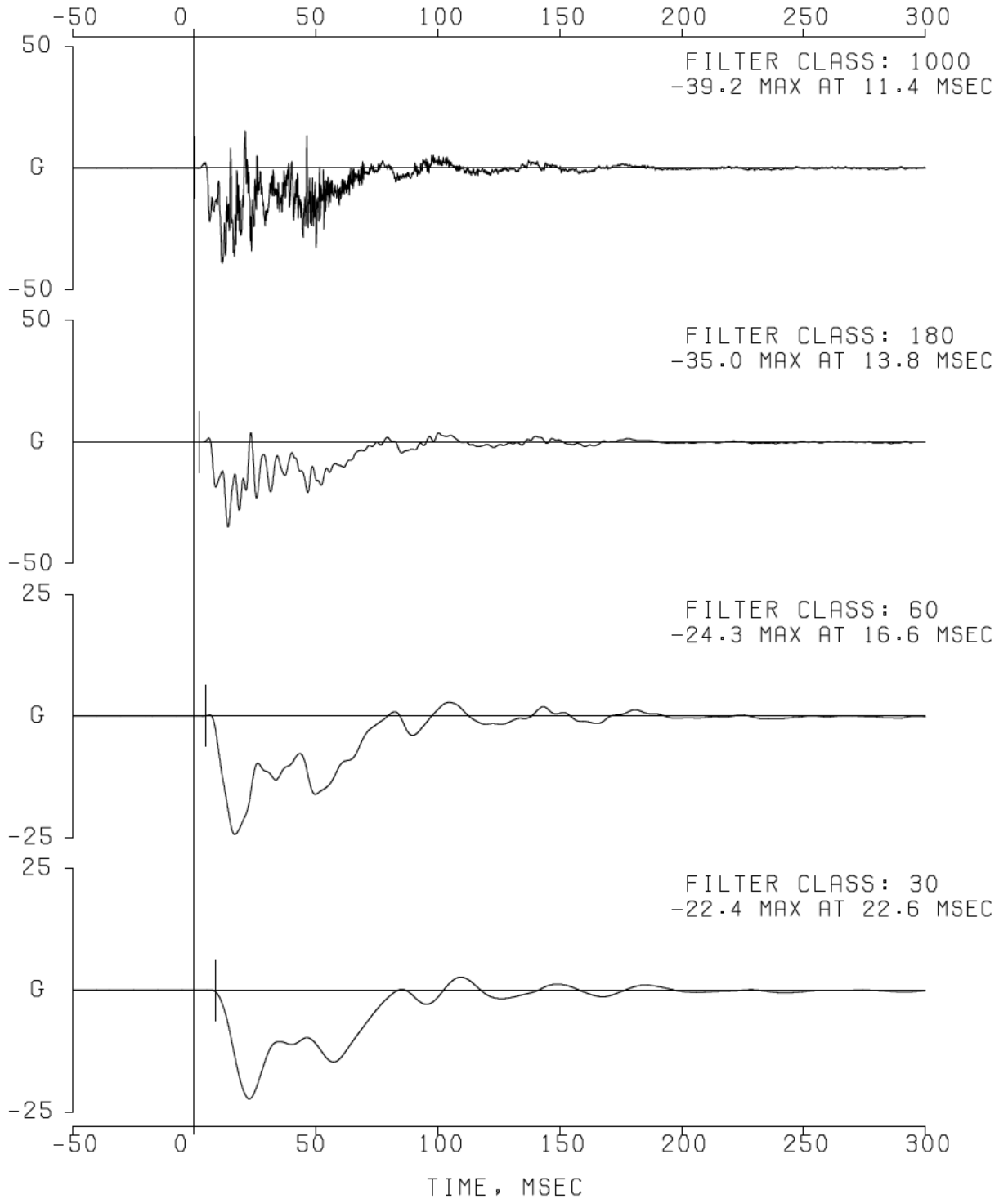
VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X P15487
CHANNEL 002 RIGHT FRONT SILL X P18154

FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26, 2002 ERRATA 1



VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P15487
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1

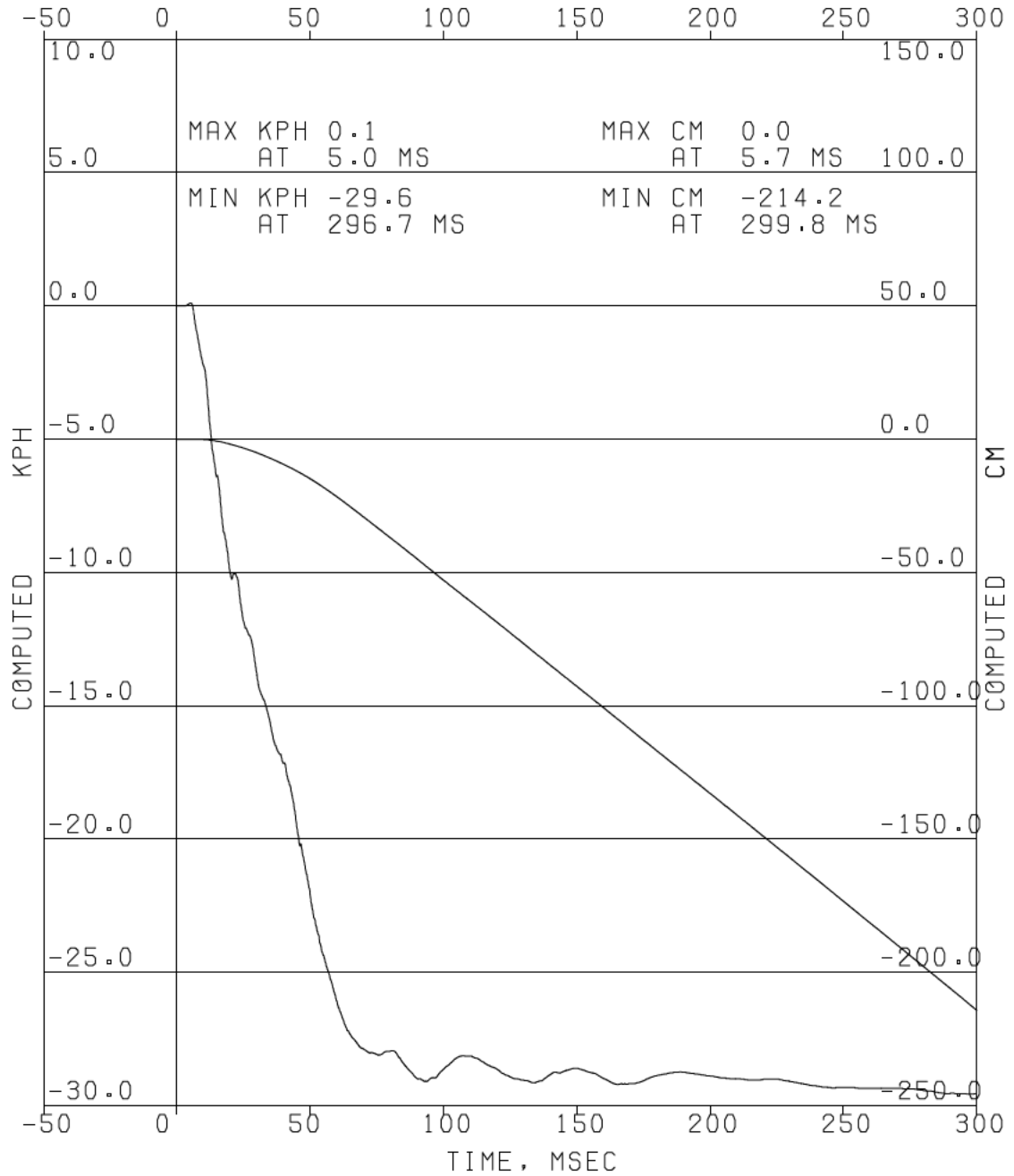


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P15487

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

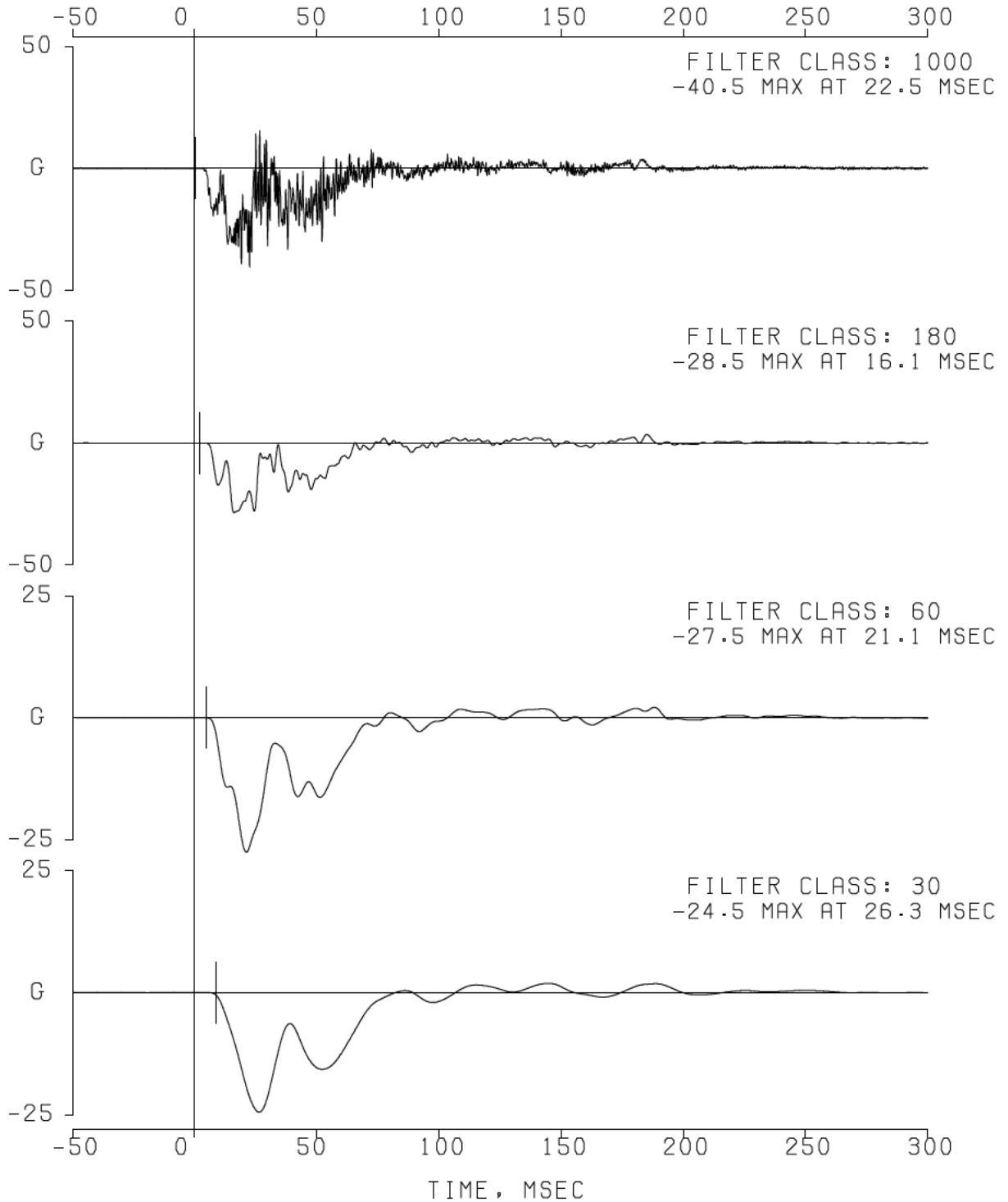
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 002 RIGHT FRONT SILL X P18154
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1

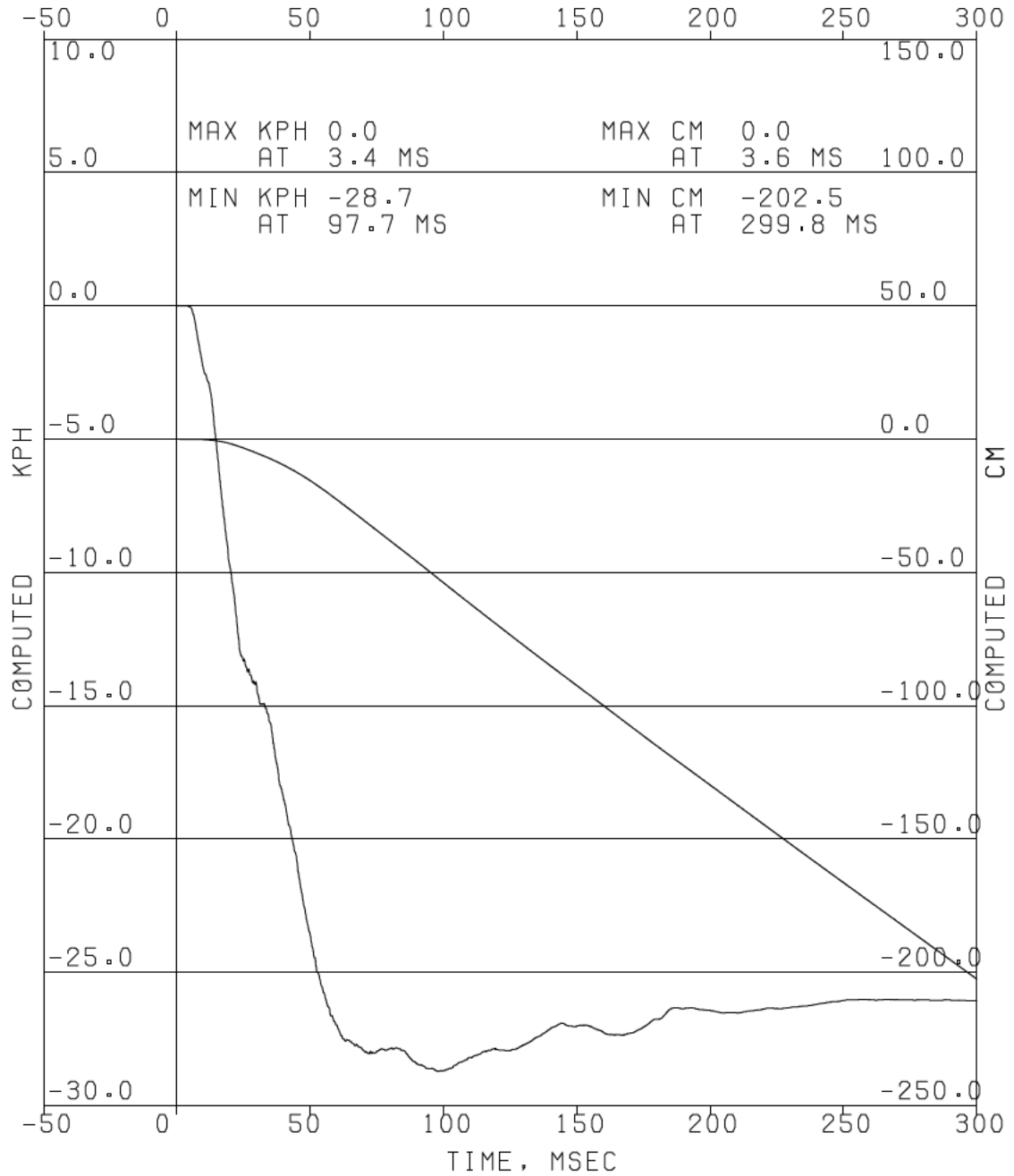


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 002 RIGHT FRONT SILL X P18154

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

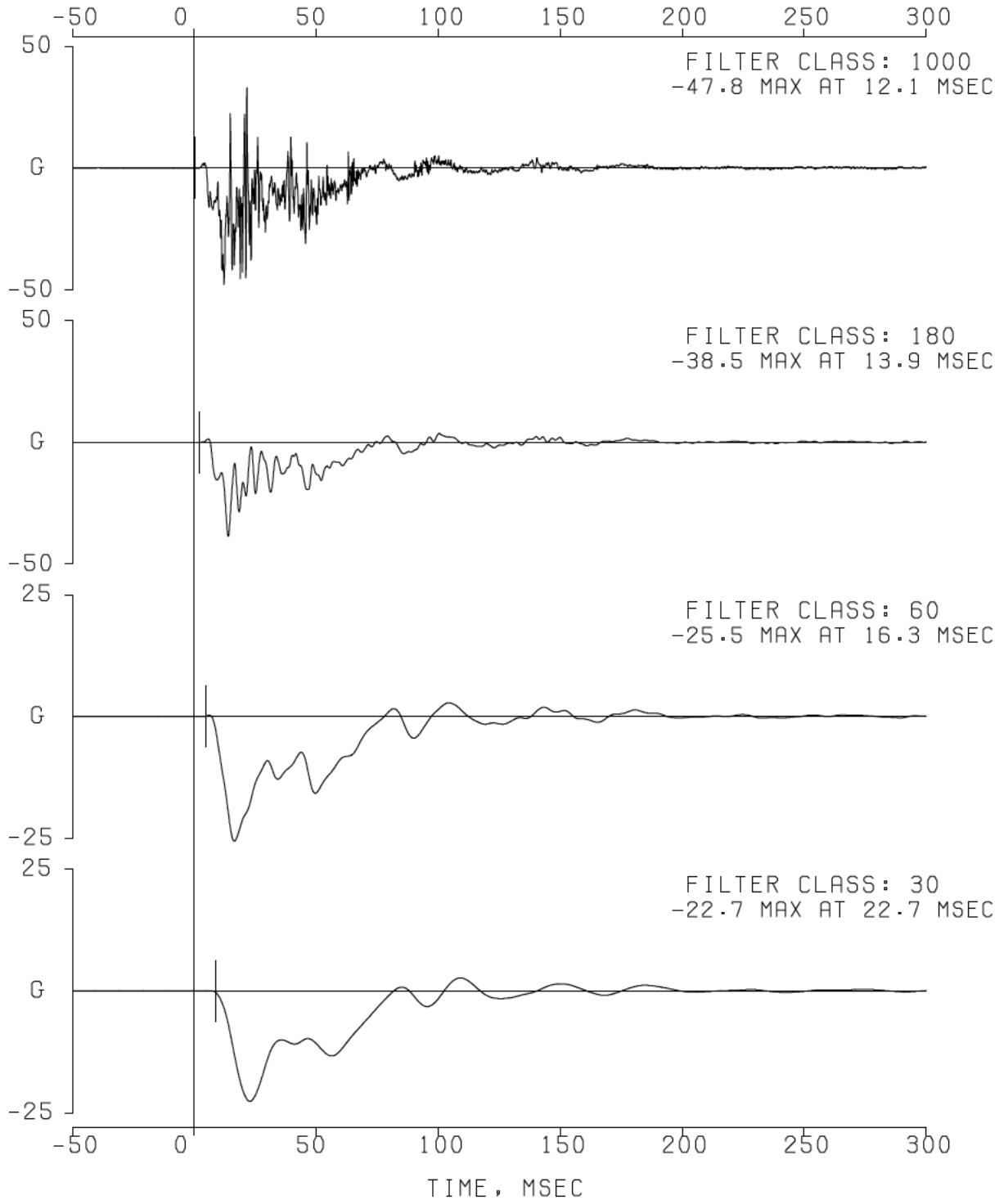
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 003 LEFT REAR SILL X J13114
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1

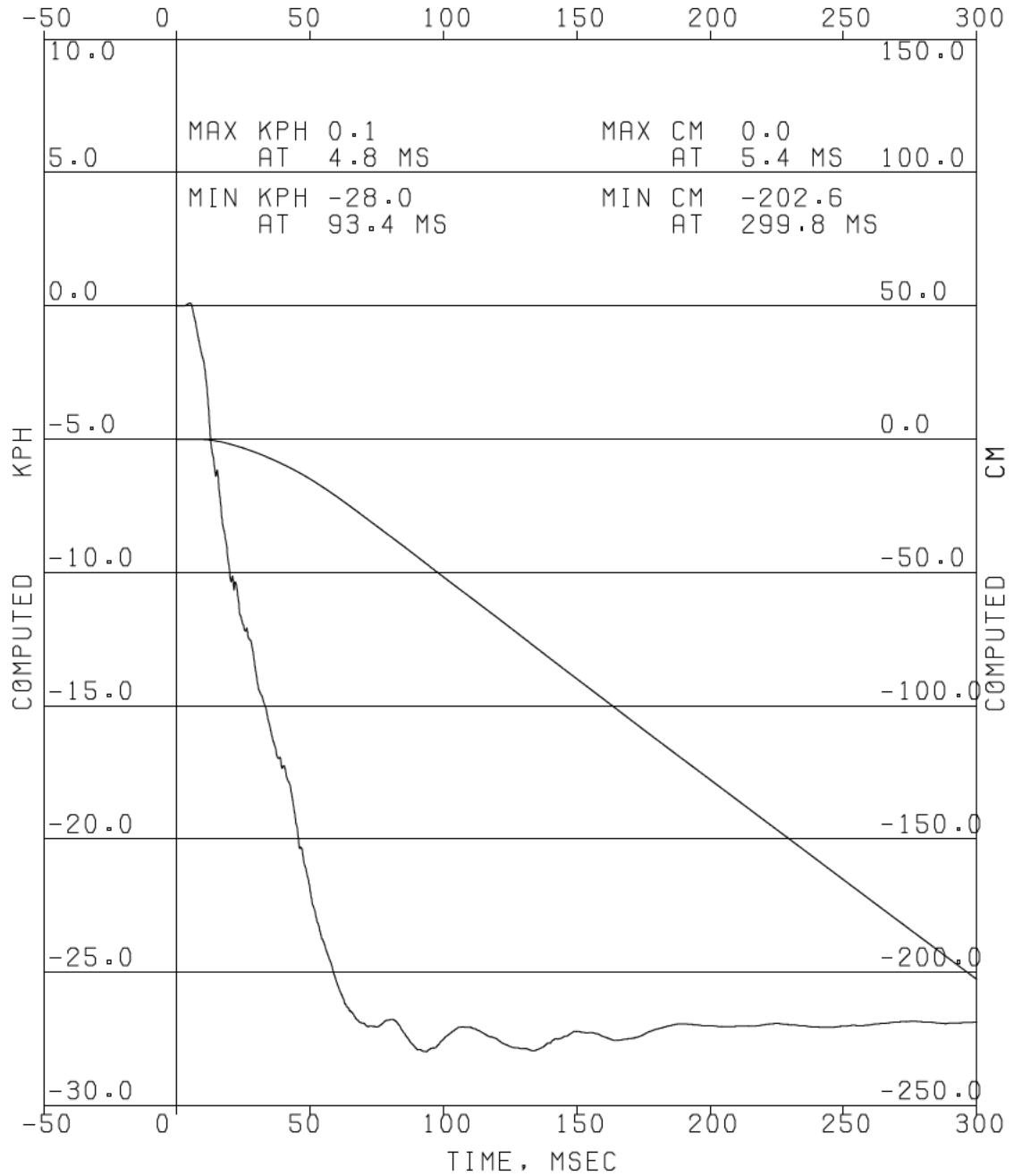


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 003 LEFT REAR SILL X J13114

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

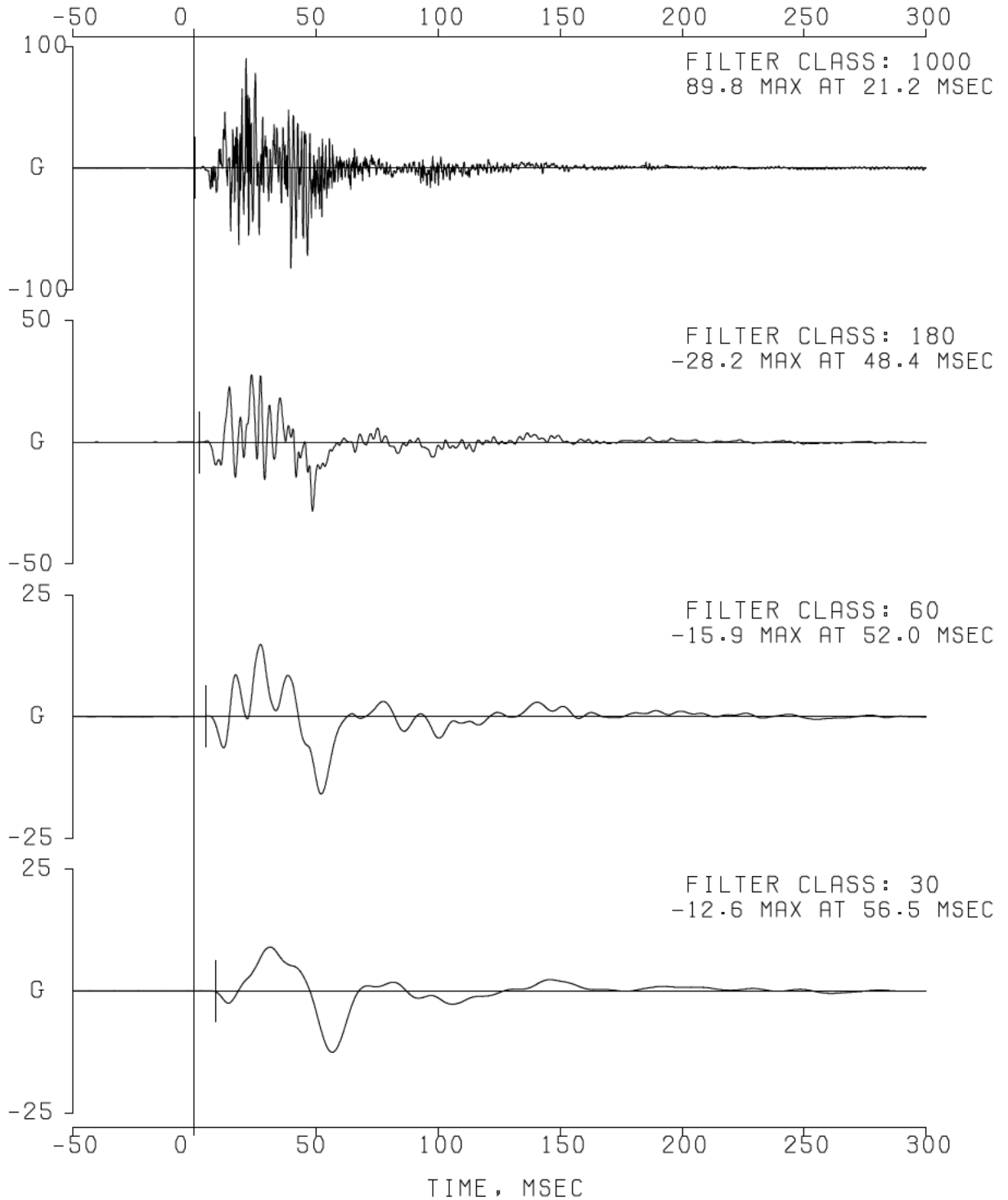
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APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1

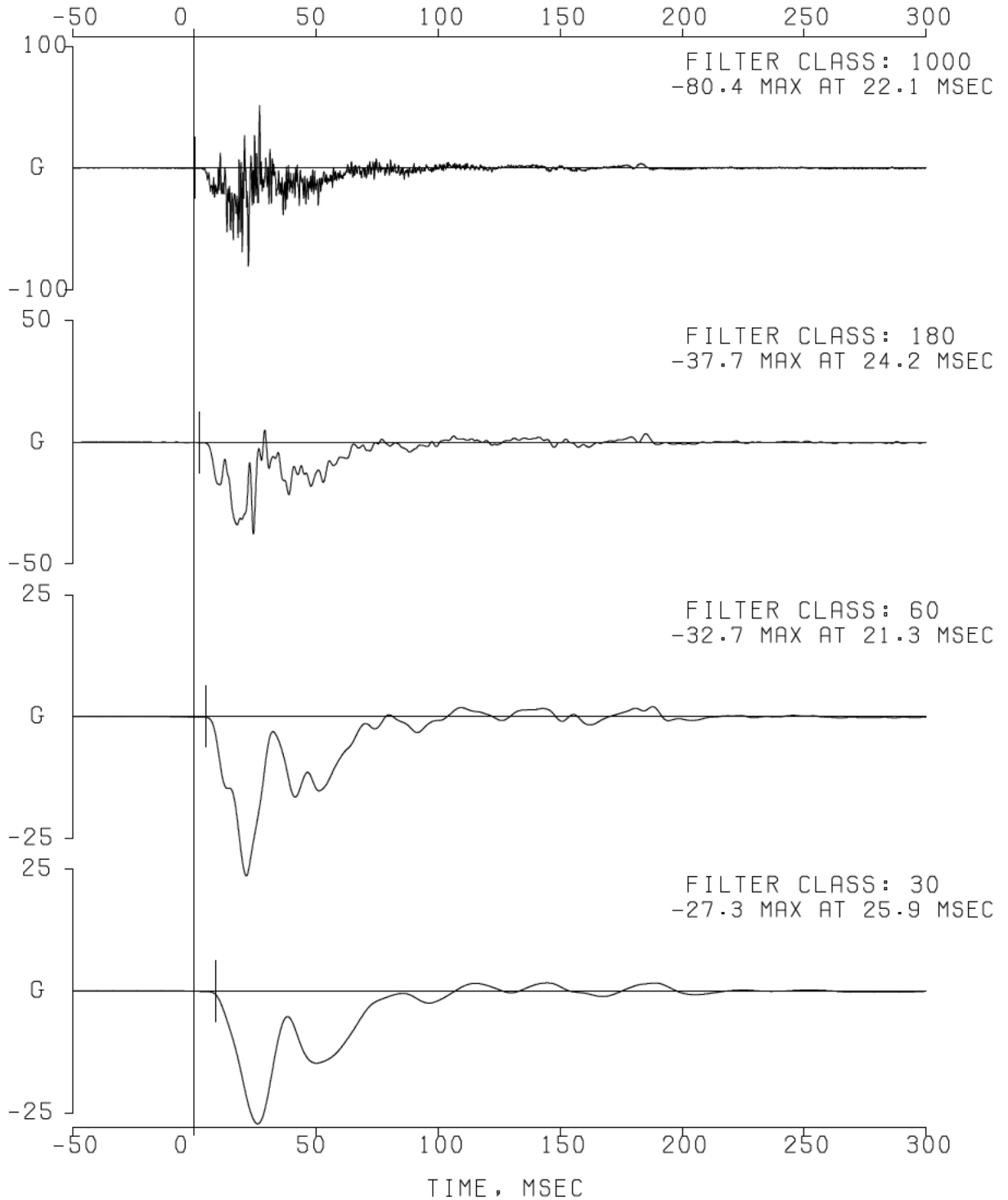


COMPUTED KPH
COMPUTED CM

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 004 LEFT REAR SILL Z J26965
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1



VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 005 RIGHT REAR SILL X P12547
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
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APR 26,2002 ERRATA 1

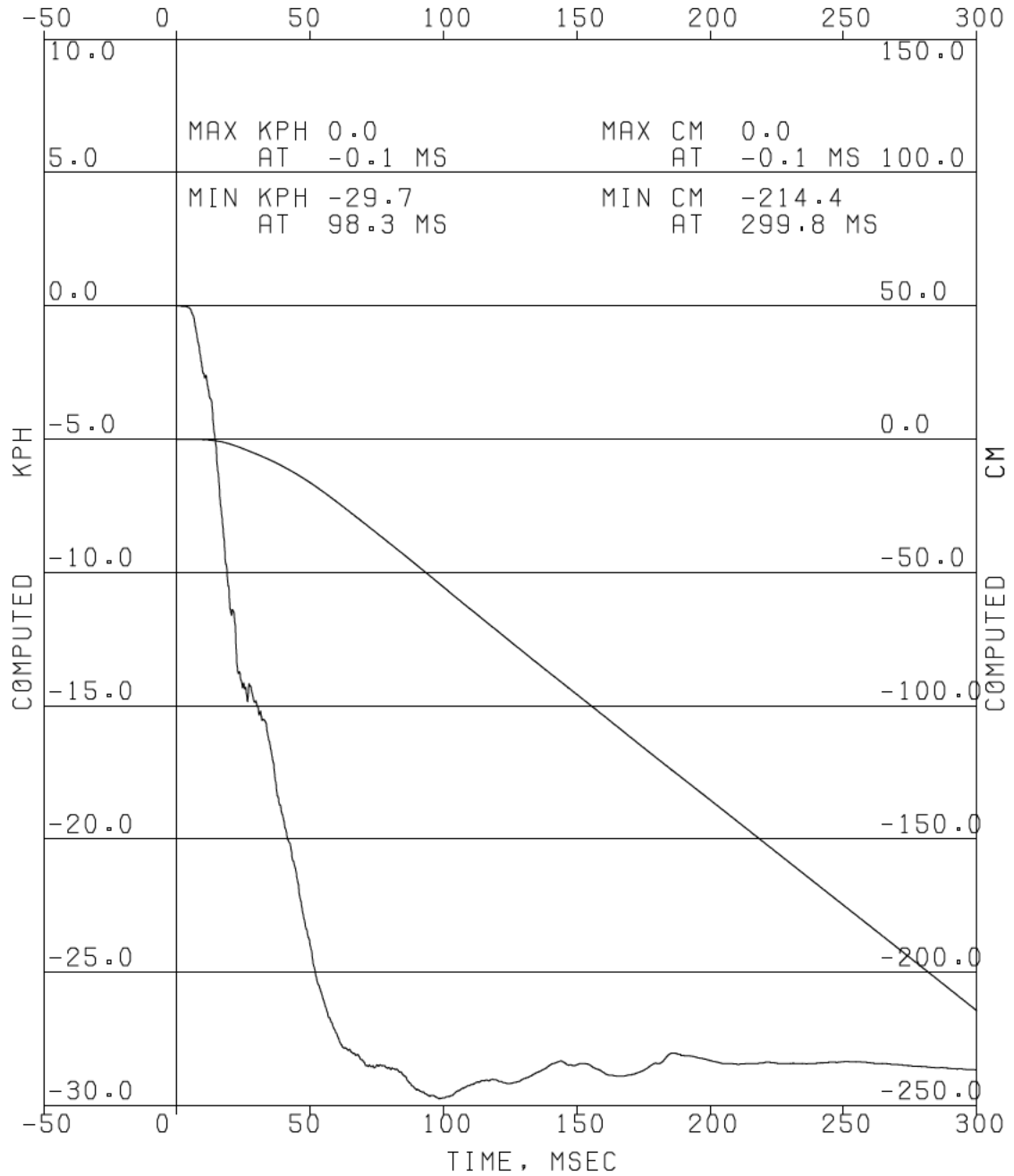


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 005 RIGHT REAR SILL X P12547

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

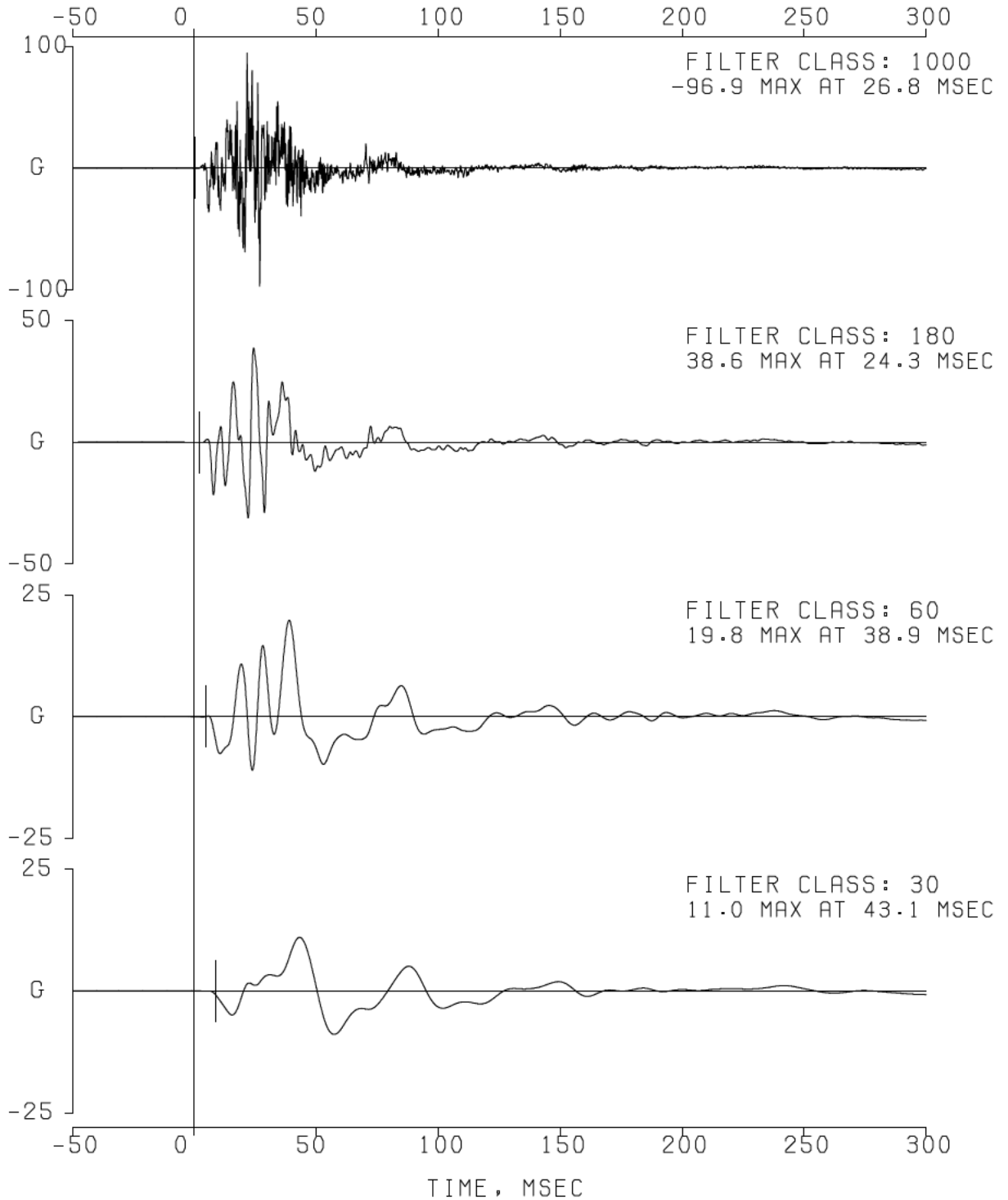
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APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1

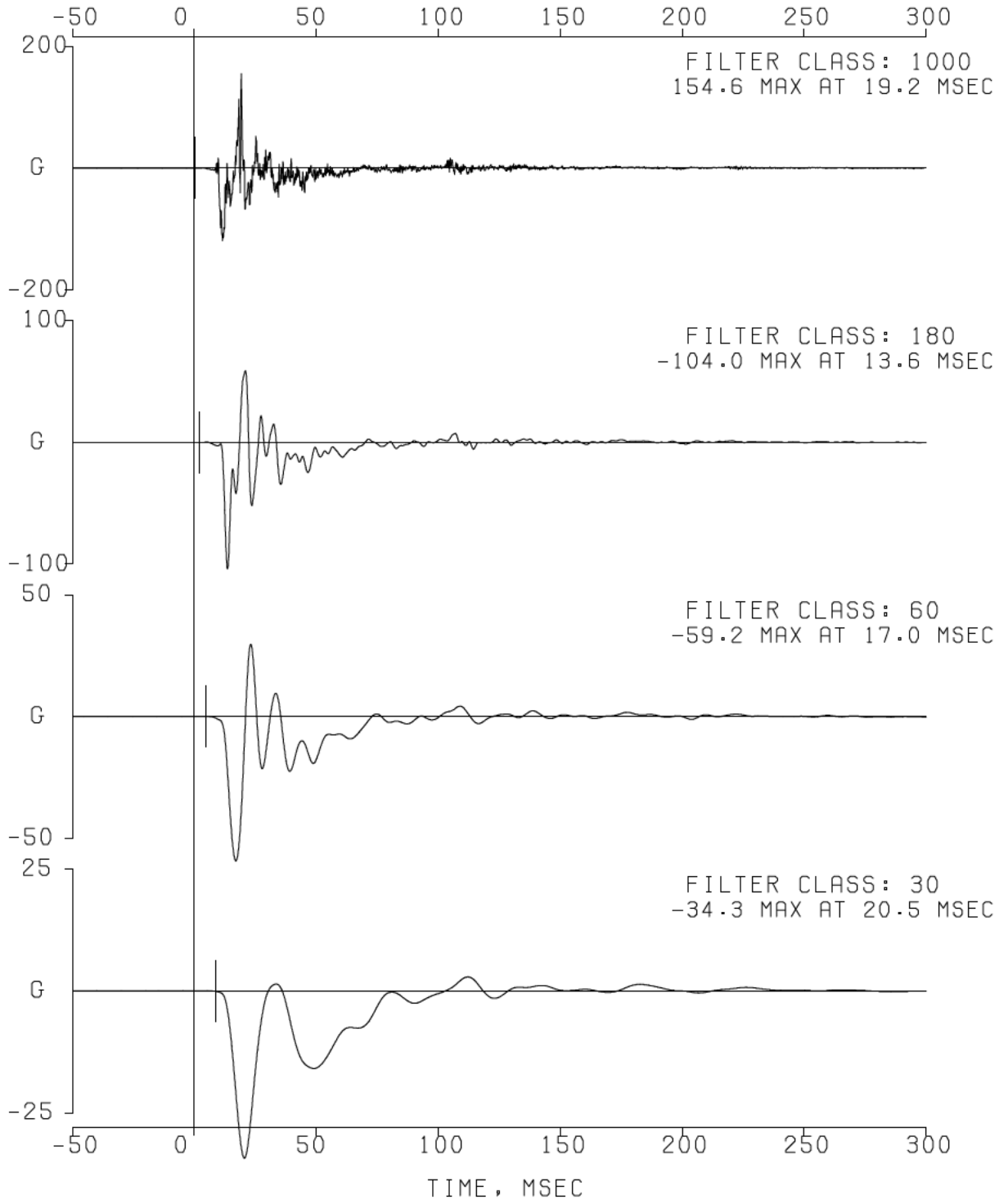


COMPUTED KPH
COMPUTED CM

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 006 RIGHT REAR SILL Z P14563
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1



VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 008 RIGHT FRONT RAIL X P14142
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1

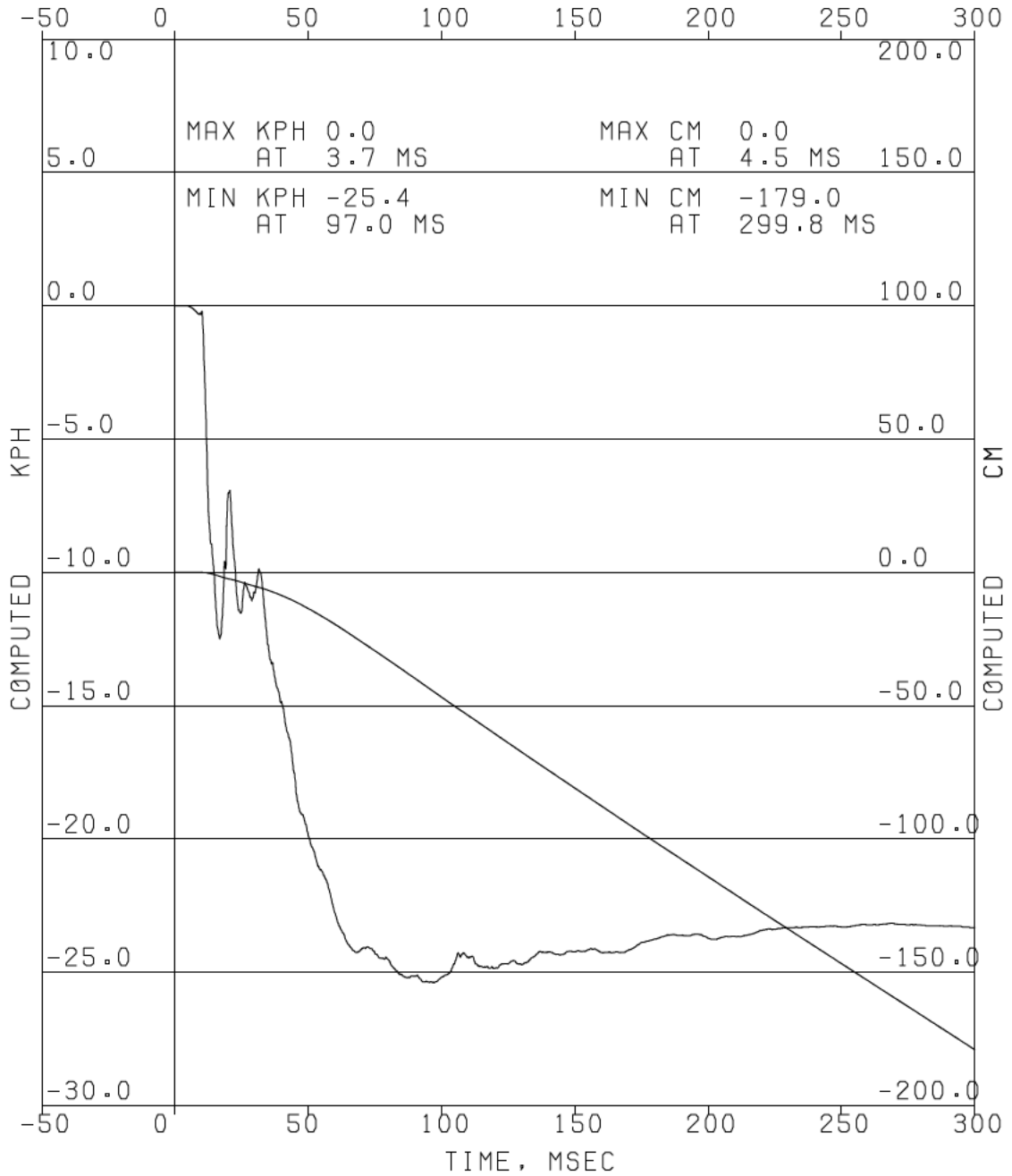


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 008 RIGHT FRONT RAIL X P14142

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

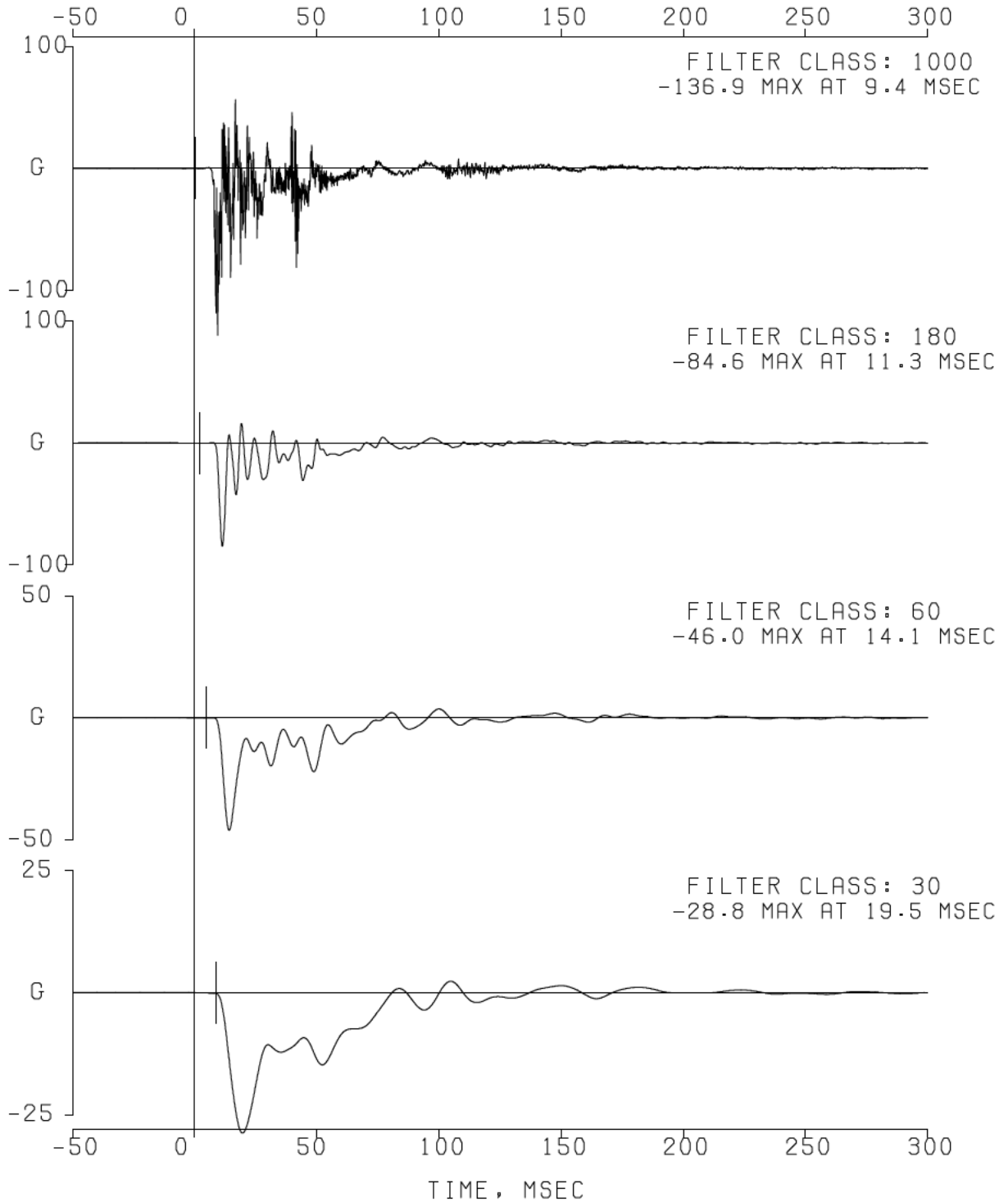
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 009 LT REAR RAIL X P13248
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1

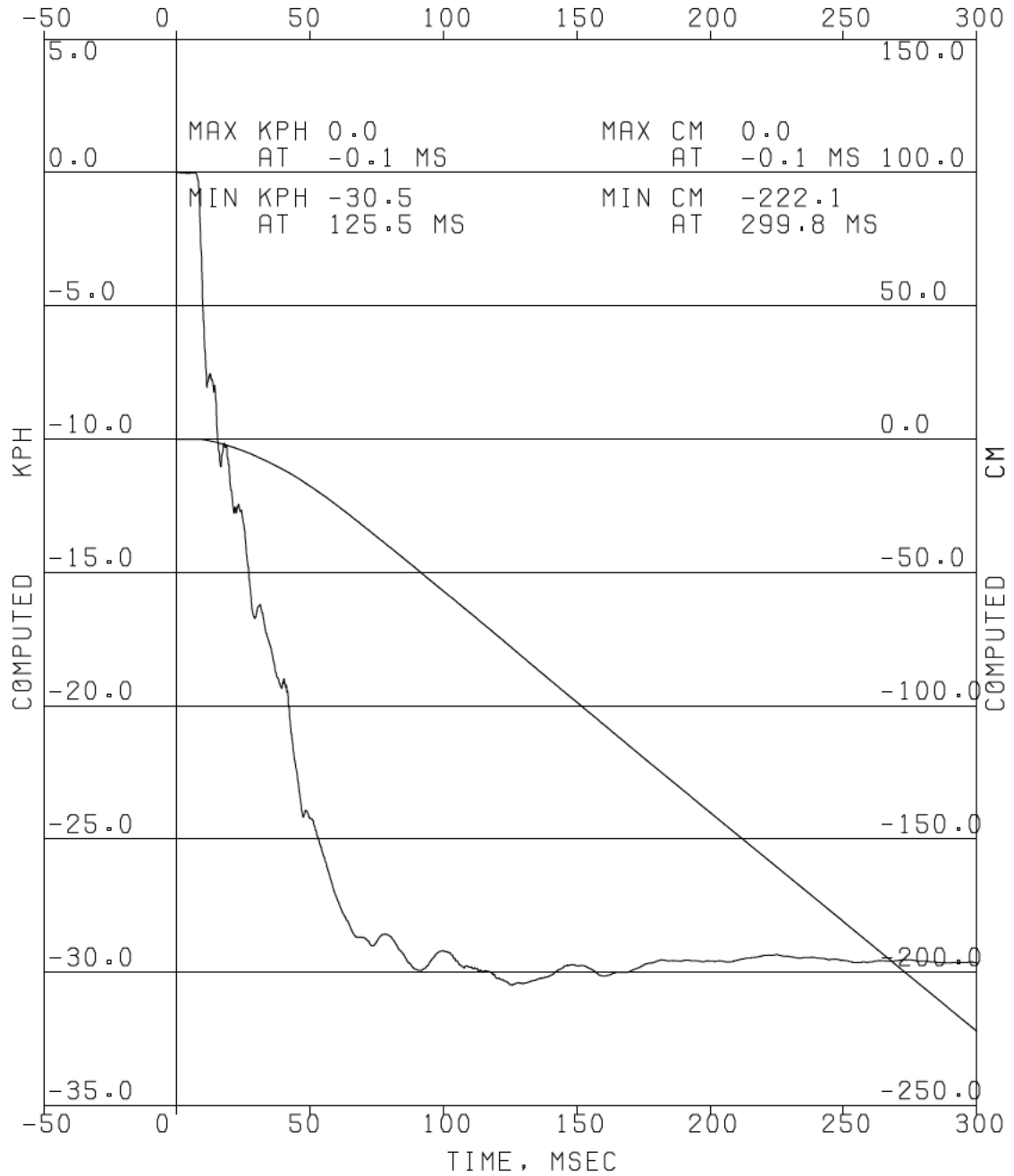


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 009 LT REAR RAIL X P13248

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

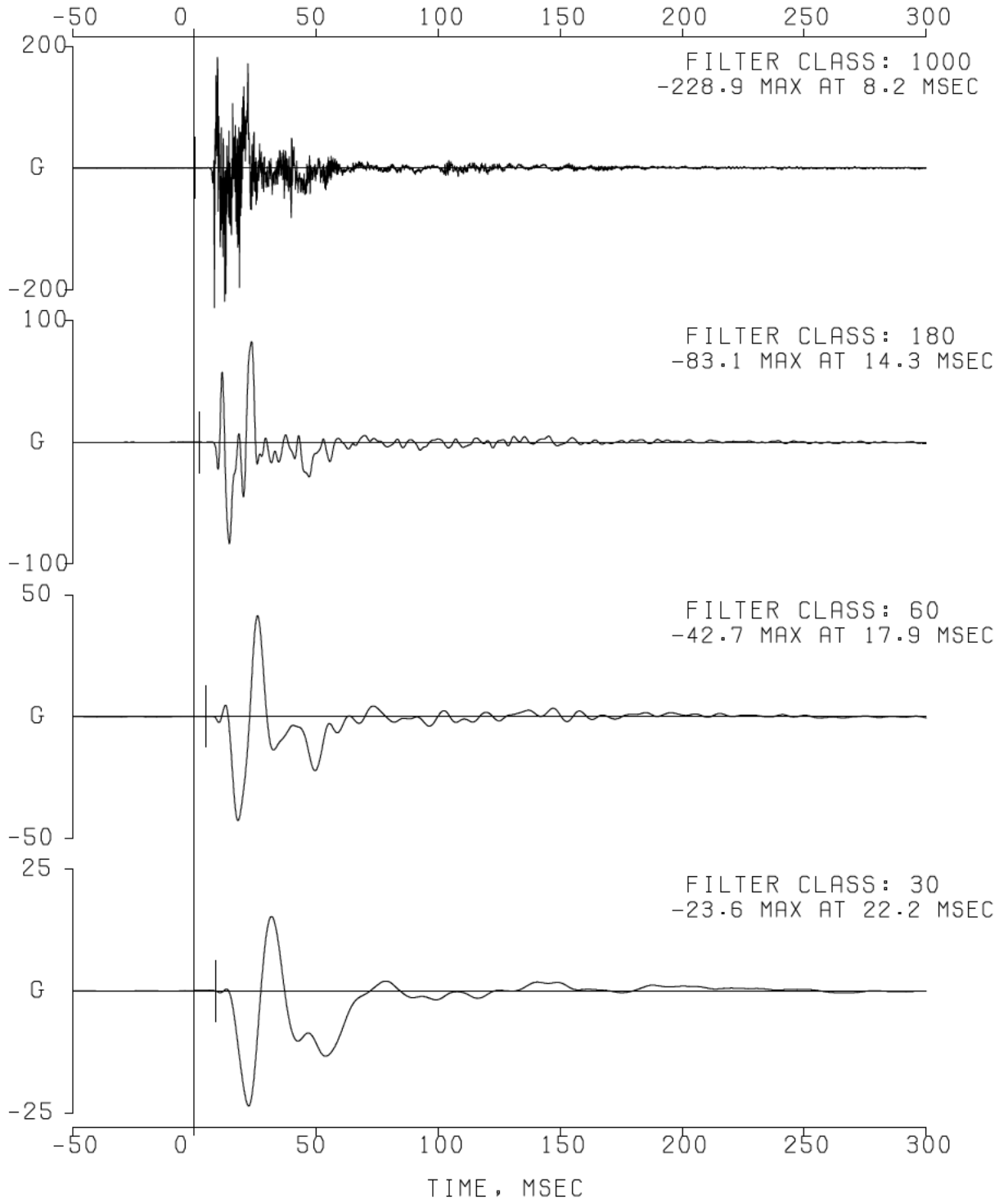
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1

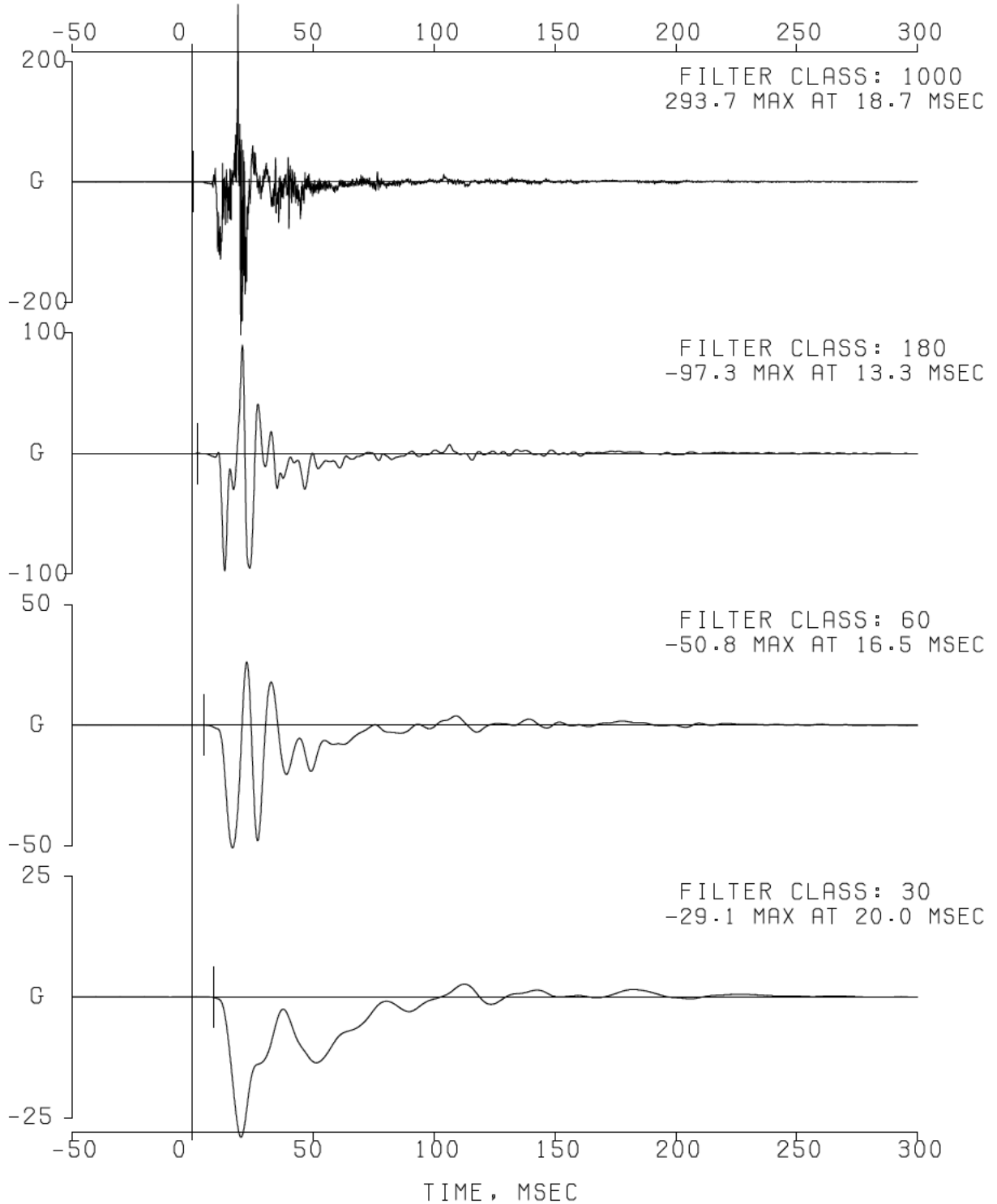


COMPUTED KPH
COMPUTED CM

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03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 010 LT REAR RAIL Z P11841
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1



VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 011 RT REAR RAIL X J21929
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1

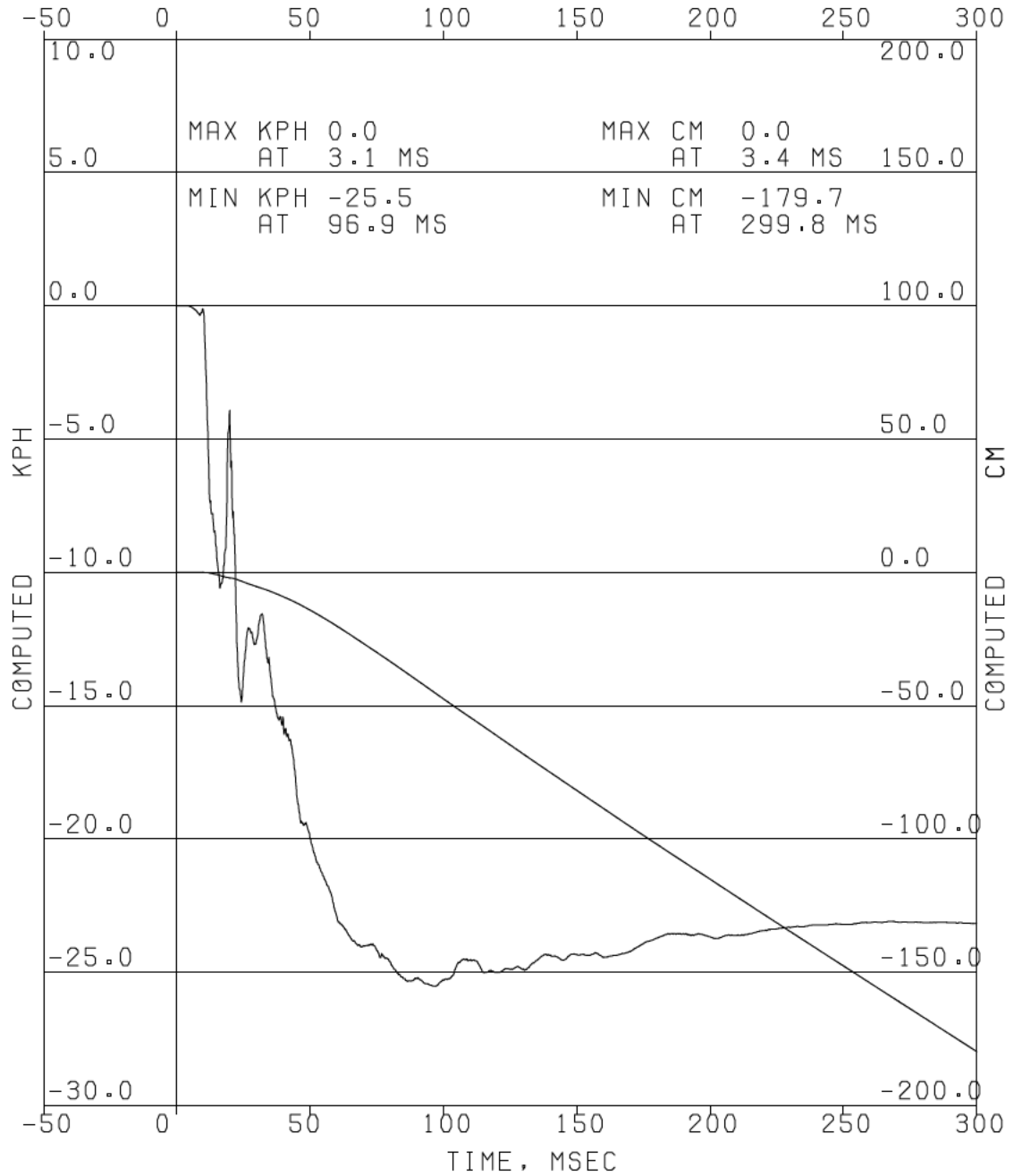


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 011 RT REAR RAIL X J21929

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

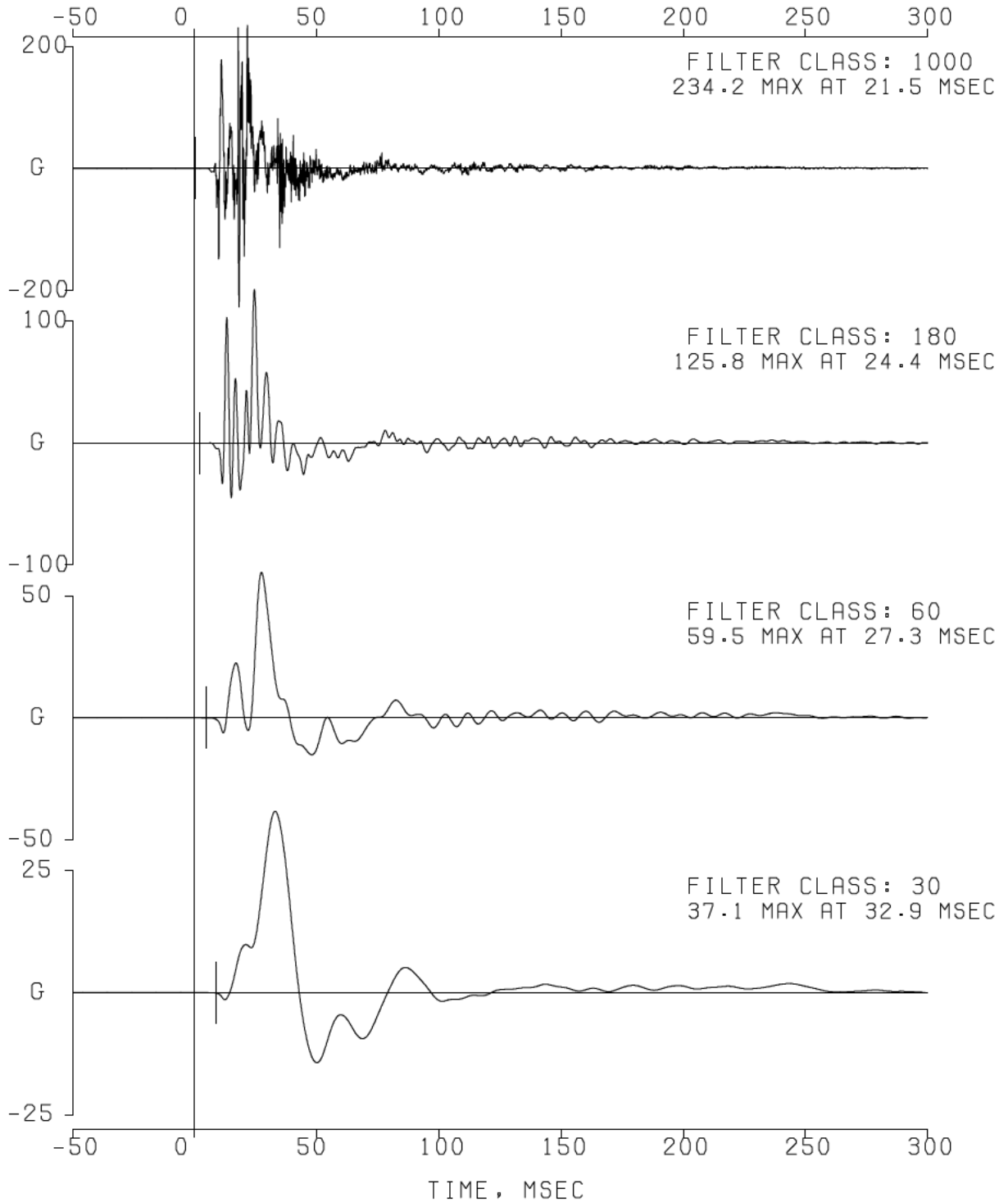
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APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1

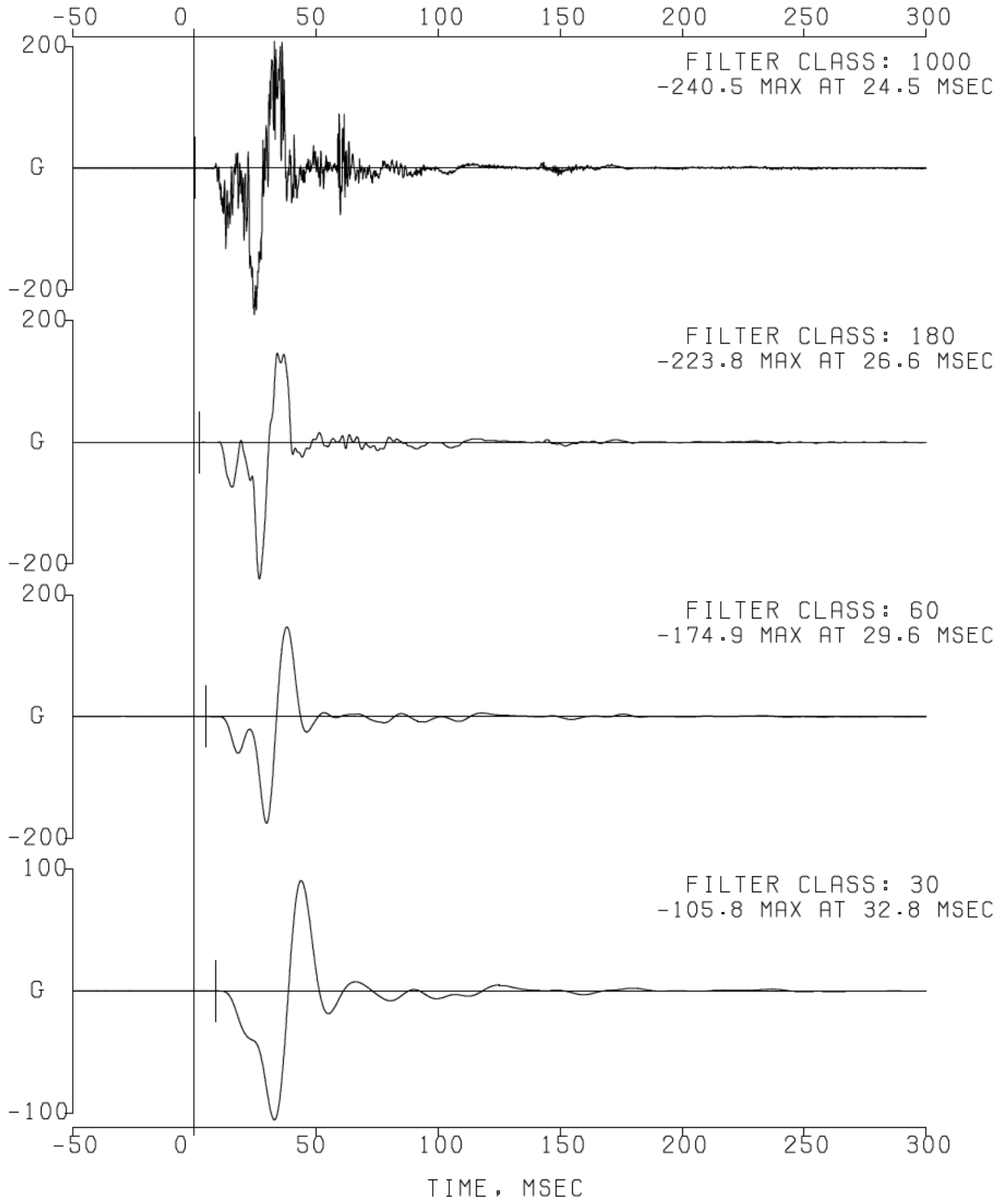


COMPUTED KPH
COMPUTED CM

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 012 RT REAR RAIL Z ETBBBB4
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1



VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 013 FUEL TANK BOTTOM ACC X ETBB166
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IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1

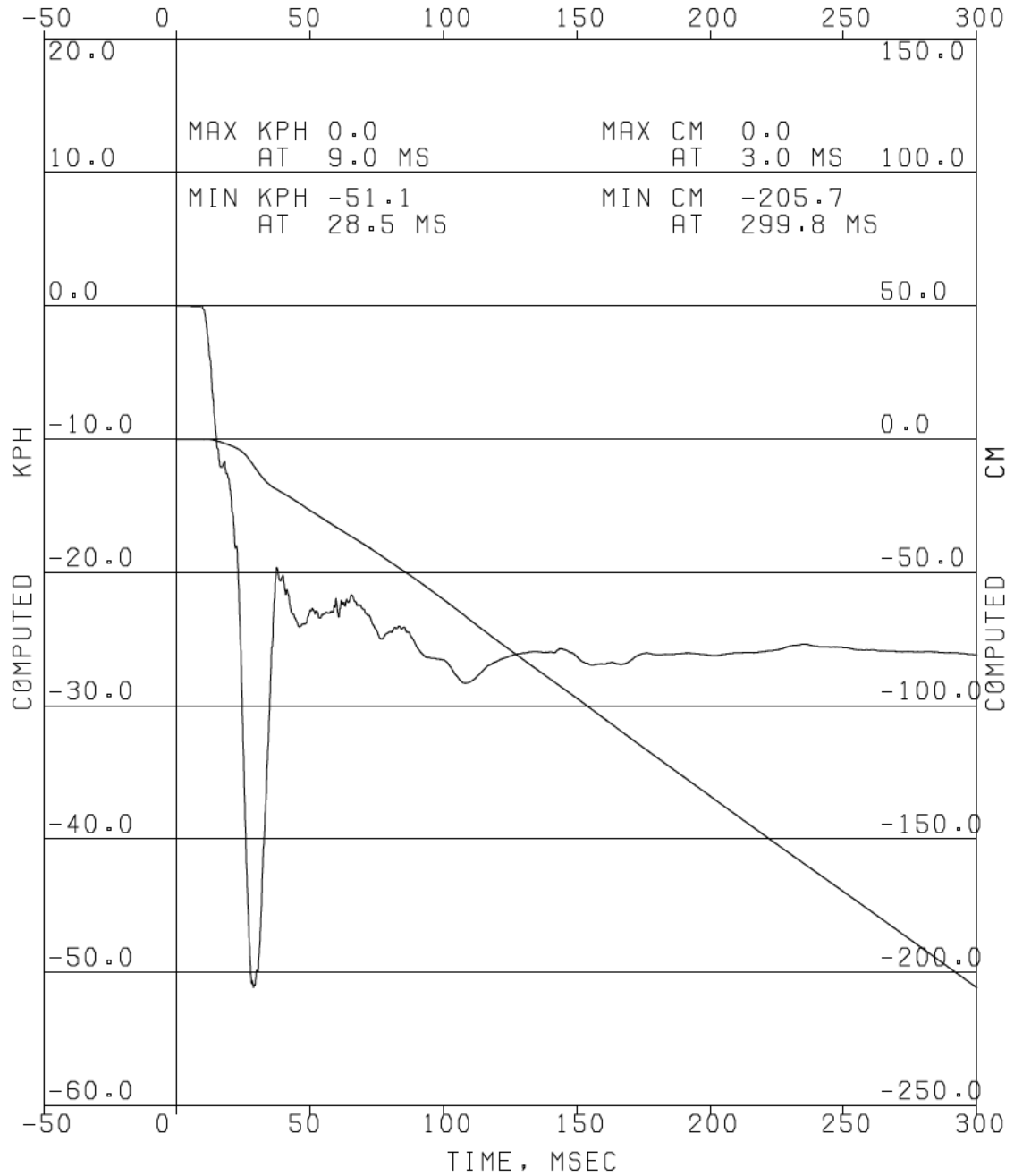


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 013 FUEL TANK BOTTOM ACC X ETBB166

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

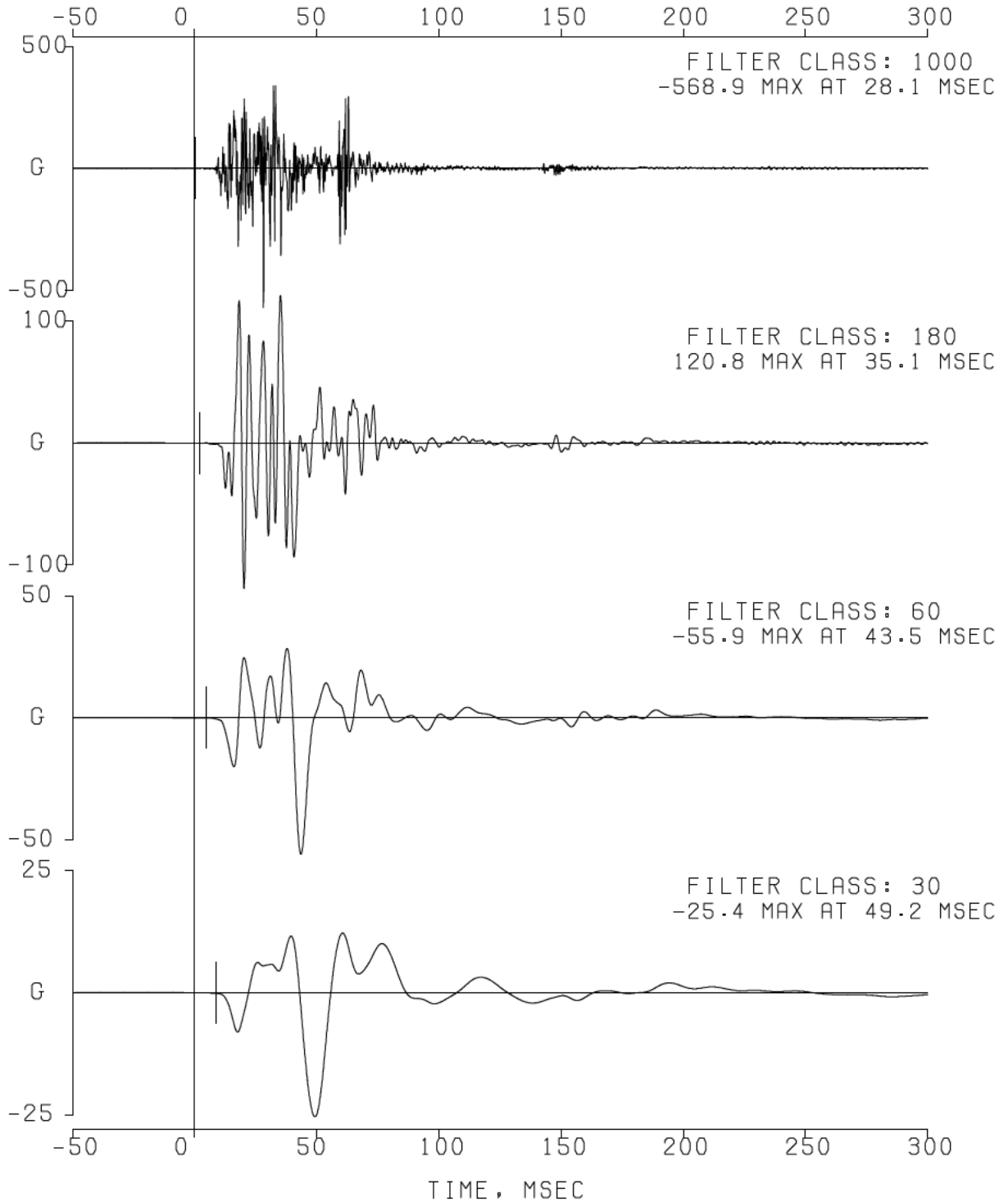
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BC
ERRATA 1

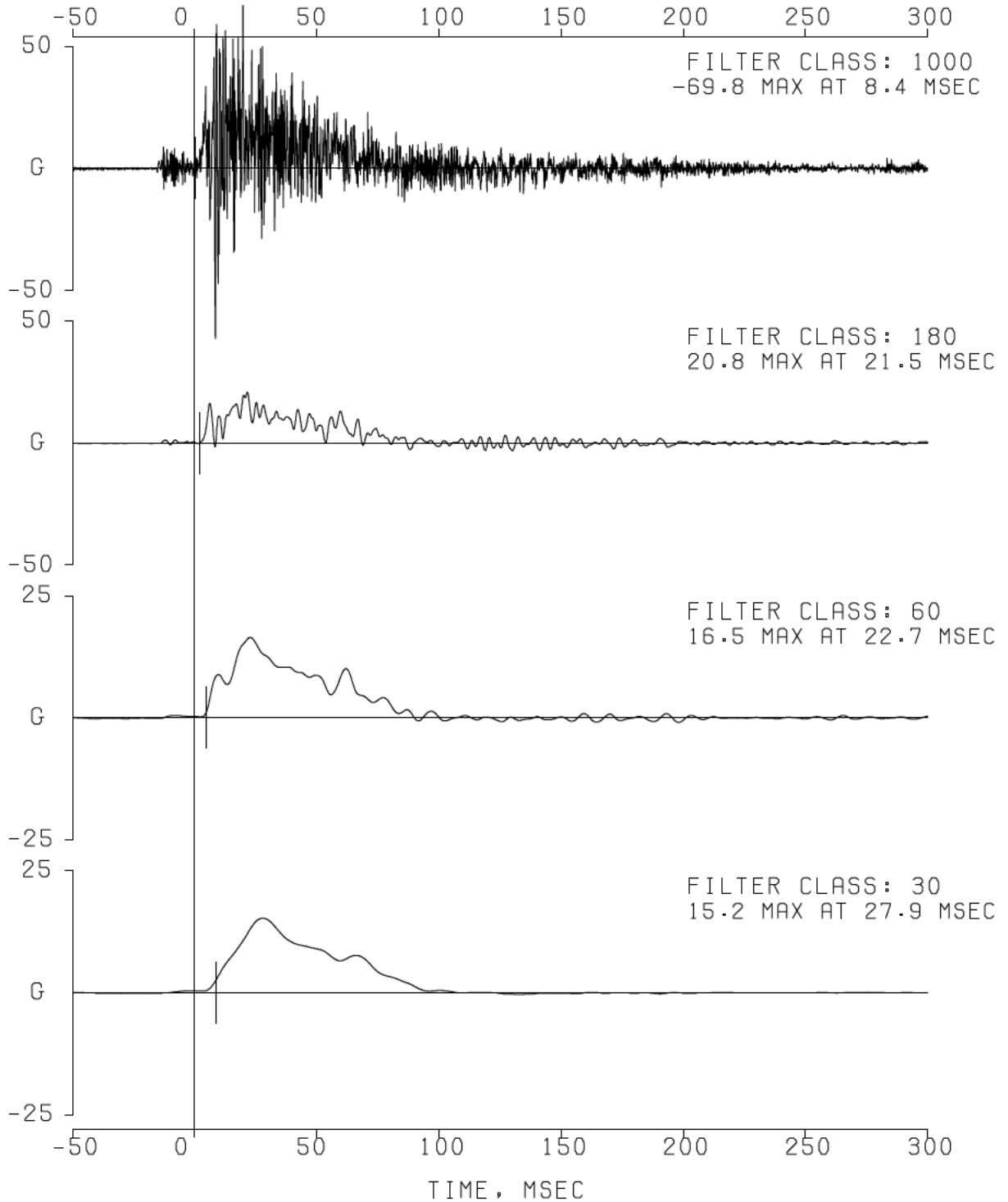


COMPUTED KPH
COMPUTED CM

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 014 FUEL TANK BOTTOM ACC Z J27297
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BC
APR 26,2002 ERRATA 1



VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 033 M-FLAT LT RAIL MID X P13669
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/25/02BE
APR 26,2002 ERRATA 1

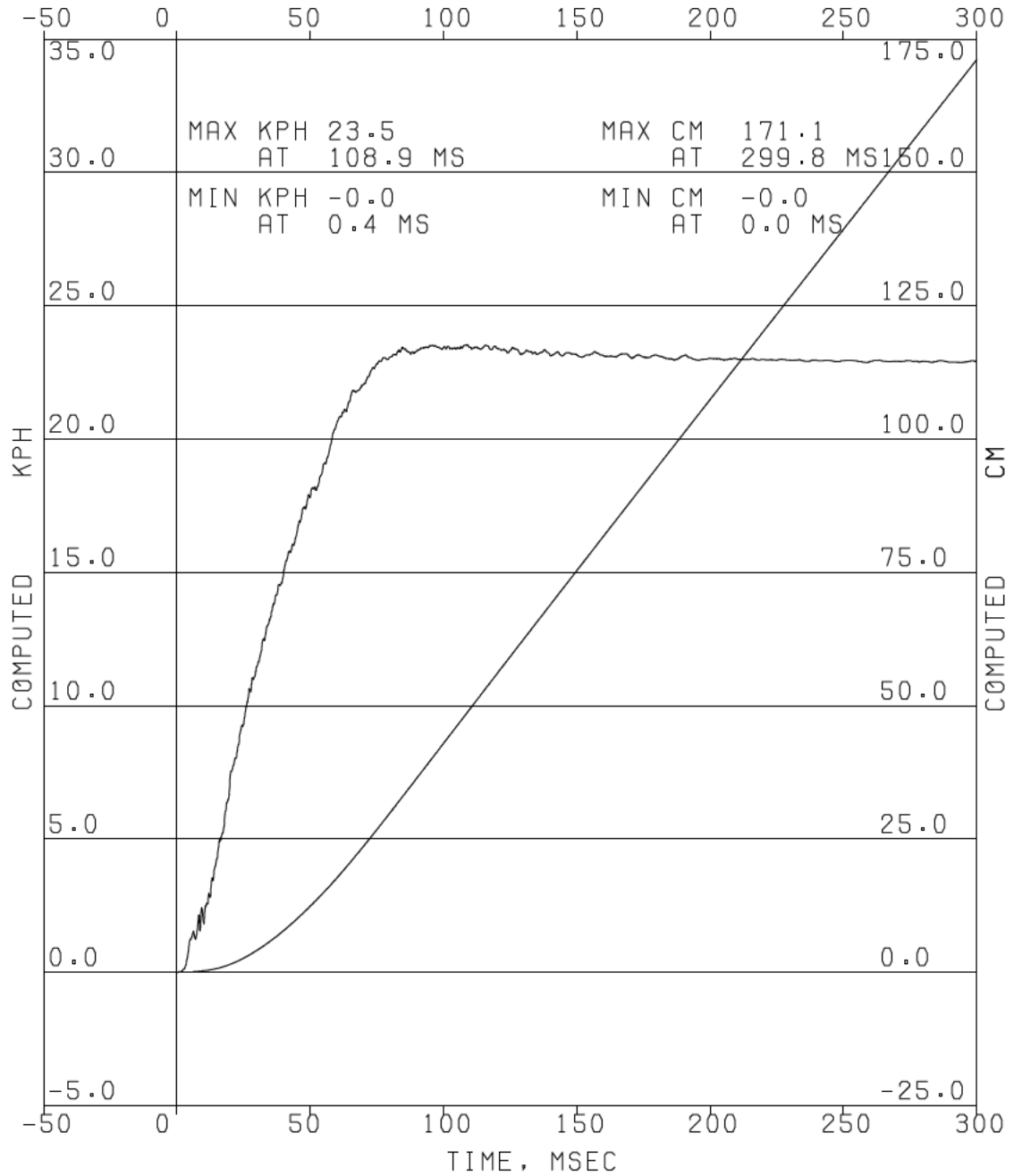


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 033 M-FLAT LT RAIL MID X P13669

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

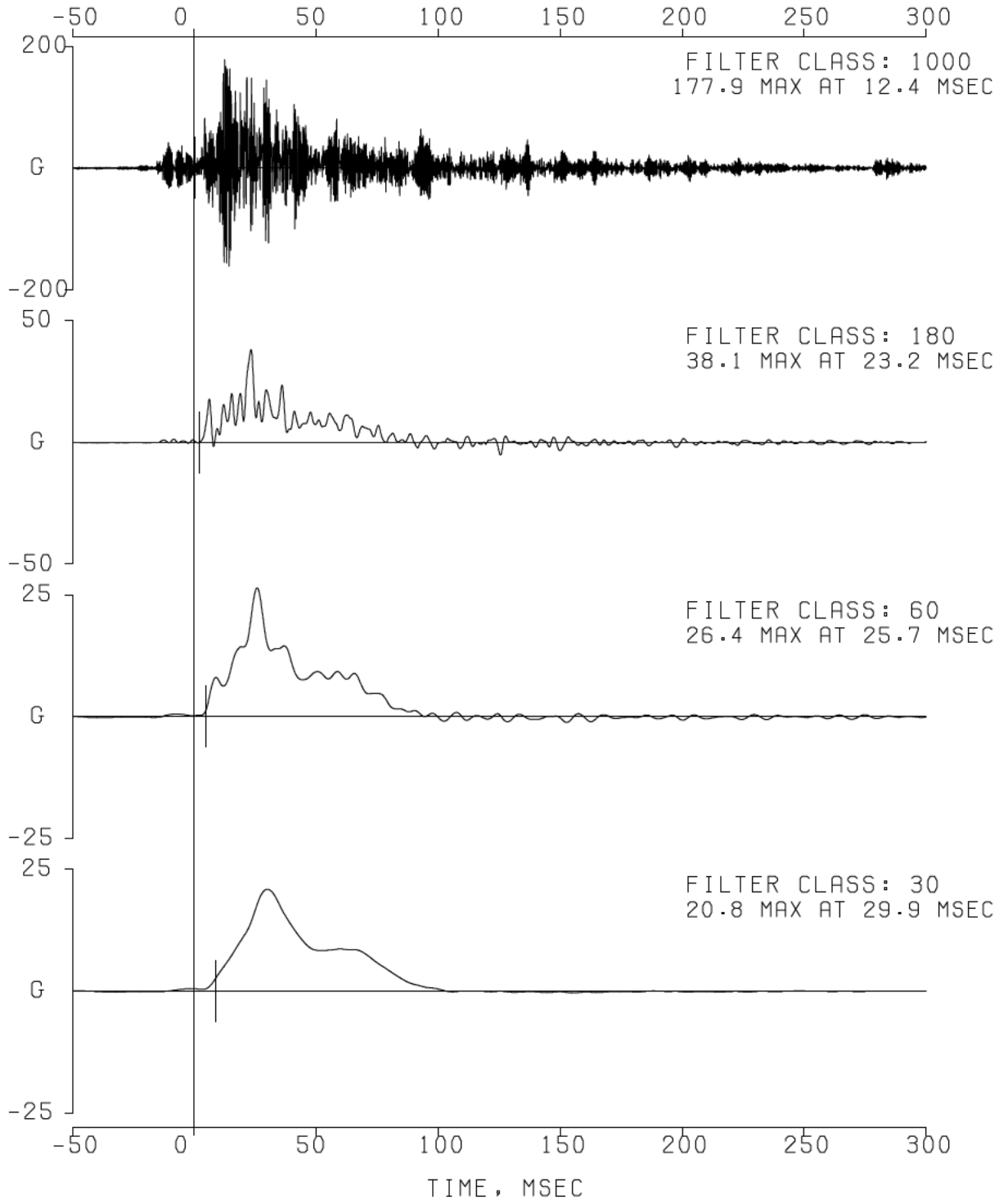
IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 034 M-FLAT RT RAIL MID X P13639
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APR 26,2002 ERRATA 1

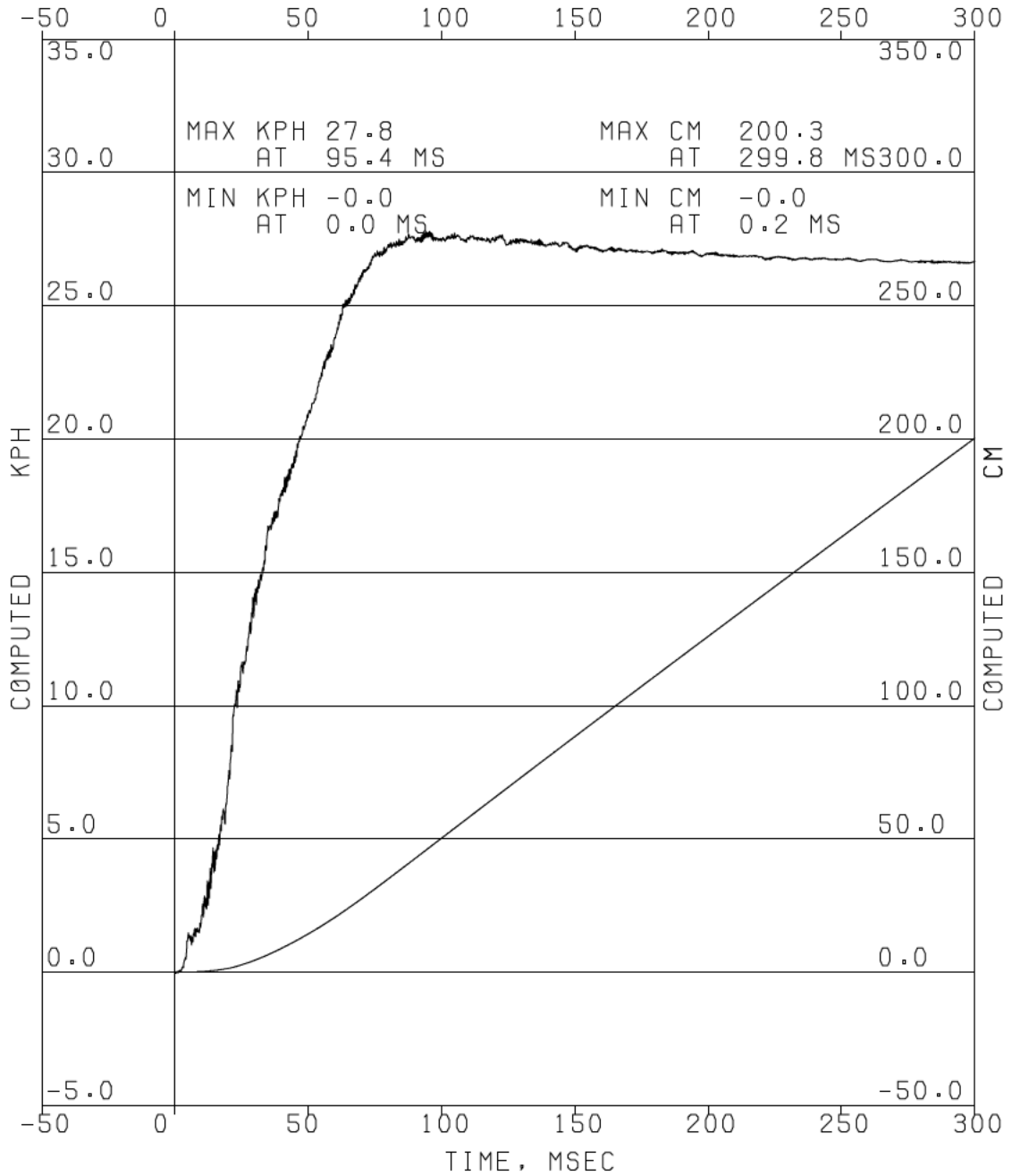


VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 034 M-FLAT RT RAIL MID X P13639

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 26, 2002

DATA SET 04/25/02BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

TITLE: Page Index of EDP plots	Pages	001 - 030	
***** VC09782A *****			Page I-01
TITLE: Transducer Summary Reports	Pages	001 - 003	
SYSTEM: METRIC			
PAGE: 001	TSR Channels	001 - 008	
PAGE: 002	TSR Channels	009 - 016	
PAGE: 003	TSR Channels	033 - 034	
***** VC09782B *****			
TITLE: Vehicle Channels	Pages	004 - 030	
SYSTEM: METRIC			
PAGE: 004	Average of Sill Chls 1, 2, 3, & 5		
PAGE: 005	Average of Frt Sill Chls 1 & 2		
PAGE: 006	LEFT FRONT SILL X, Chl 1		
PAGE: 007	LEFT FRONT SILL X, Chl 1, VD		
PAGE: 008	RIGHT FRONT SILL X, Chl 2		
PAGE: 009	RIGHT FRONT SILL X, Chl 2, VD		
PAGE: 010	LEFT REAR SILL X, Chl 3		
PAGE: 011	LEFT REAR SILL X, Chl 3, VD		
PAGE: 012	LEFT REAR SILL Z, Chl 4		
PAGE: 013	RIGHT REAR SILL X, Chl 5		
PAGE: 014	RIGHT REAR SILL X, Chl 5, VD		
PAGE: 015	RIGHT REAR SILL Z, Chl 6		
PAGE: 016	RIGHT FRONT RAIL X, Chl 8		
PAGE: 017	RIGHT FRONT RAIL X, Chl 8, VD		
PAGE: 018	LT REAR RAIL X, Chl 9		
PAGE: 019	LT REAR RAIL X, Chl 9, VD		
PAGE: 020	LT REAR RAIL Z, Chl 10		
PAGE: 021	RT REAR RAIL X, Chl 11		
PAGE: 022	RT REAR RAIL X, Chl 11, VD		
PAGE: 023	RT REAR RAIL Z, Chl 12		
PAGE: 024	FUEL TANK BOTTOM ACC X, Chl 13		
PAGE: 025	FUEL TANK BOTTOM ACC X, Chl 13, VD		
PAGE: 026	FUEL TANK BOTTOM ACC Z, Chl 14		
PAGE: 027	M-FLAT LT RAIL MID X, Chl 33		
PAGE: 028	M-FLAT LT RAIL MID X, Chl 33, VD		
PAGE: 029	M-FLAT RT RAIL MID X, Chl 34		
PAGE: 030	M-FLAT RT RAIL MID X, Chl 34, VD		

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG

TEST PURPOSE PRIMARY, 2003 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; TJJ
BODY; L77
ENGINE; 2.4 LITER
ENGINE NOTE; I4
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J4FA29103P [REDACTED] MOD.
VIN AS BUILT; 1J4FA29103P [REDACTED] MOD.

TEST SPEED 49.11 KPH BY TRAP AVERAGE

TEST WEIGHT (KG) 1752 TOTAL, 874 FRONT, 878 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-59
RESTRAINT- 3-PT UNIBELT ONLY
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-75
RESTRAINT- 3-PT UNIBELT ONLY

BUILD CONDITION ORIGINAL BUILD: 2003 SE, SILVER, HALF DOORS, SOFT
TOP, MAN TRANS, NON-TILT STEERING, P205/75R15, B-
PILLAR REINFORFCEMENT, BATTERY TRAY
REINFORCEMENT, DOOR WITH REVERSE DIRECTION LOCKS,
REINFORCED SWING GATE
MODIFICATIONS: NONE

TARGET WEIGHT (KG) 1747 TOTAL
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
90.7 KG BALLAST WEIGHT SECURED IN CARGO AREA

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

DISTRIBUTION M. STEBELTON 422-05-01 (AB)
A. STEFANGO 514-17-39 (AB)
DATE 04/25/02 TIME 18:36:31.

B-1 94.5.5.

9782 POST





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C37JJ9932

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18.1 m.s.s.

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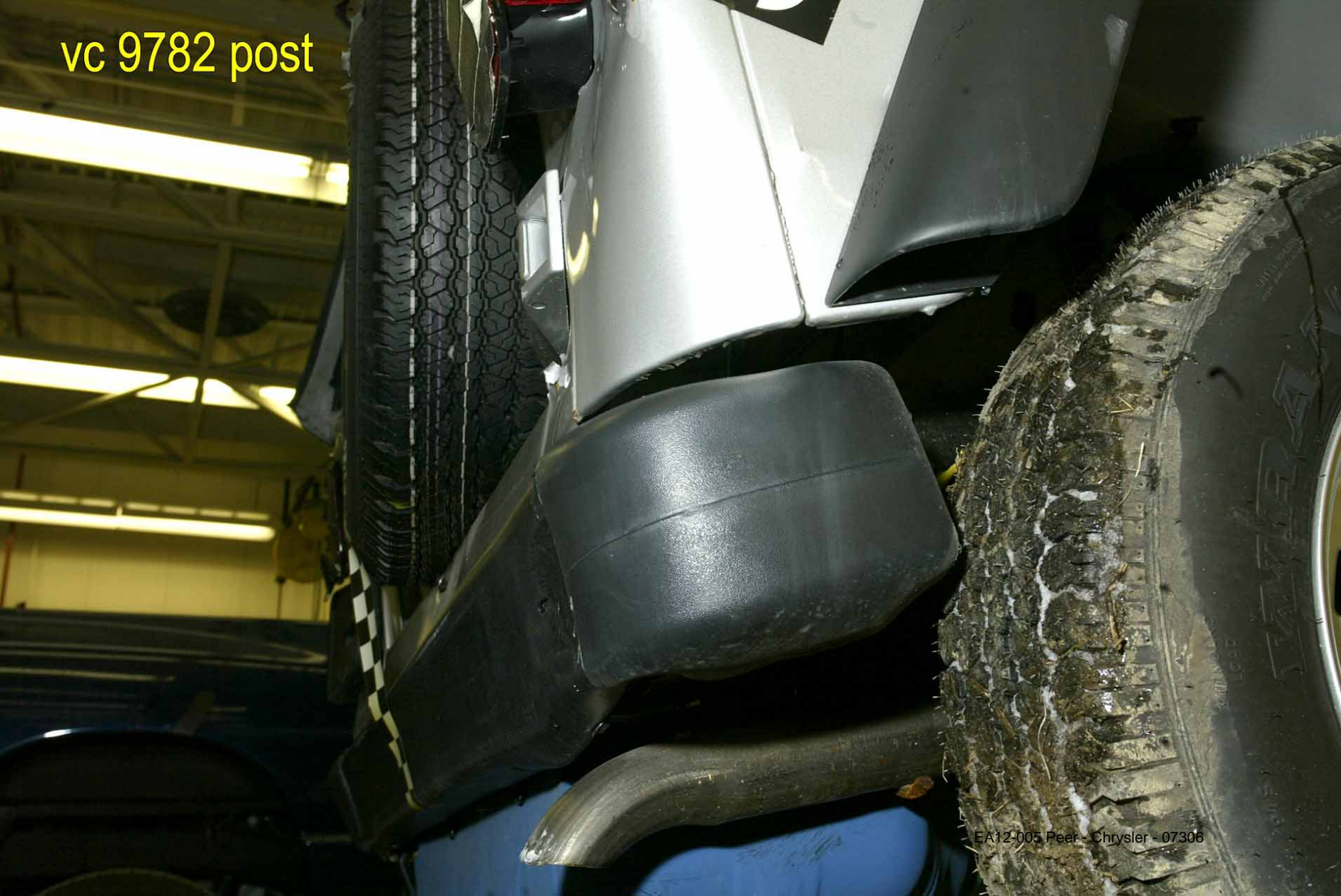


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EA12-005 Peer - Chrysler - 07307



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Jeep
WRANGLER

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EA12-005 Peel - Chrysler



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12-005 Peer - Chrysler - 07313



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EA12-005 Peer - Chrysler - 07314



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EA12-005 Peer - Chrysler - 07315



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© 12-005 Peer - Chrysler - 07316

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EA12-005 Peer - Chrysler - 07321



vc 9782 post

2-005 (see also master 07/022)

vc 9782 post

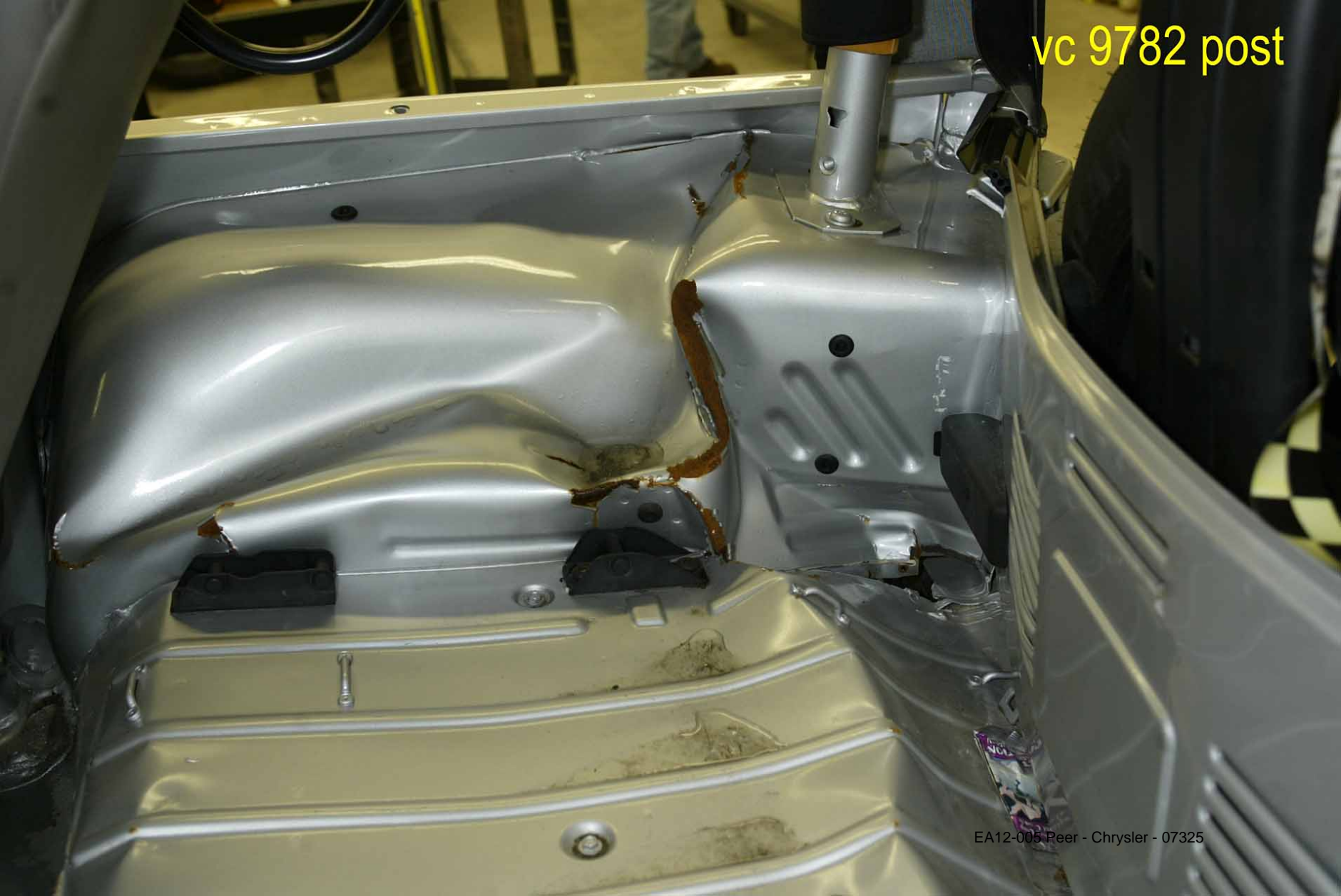




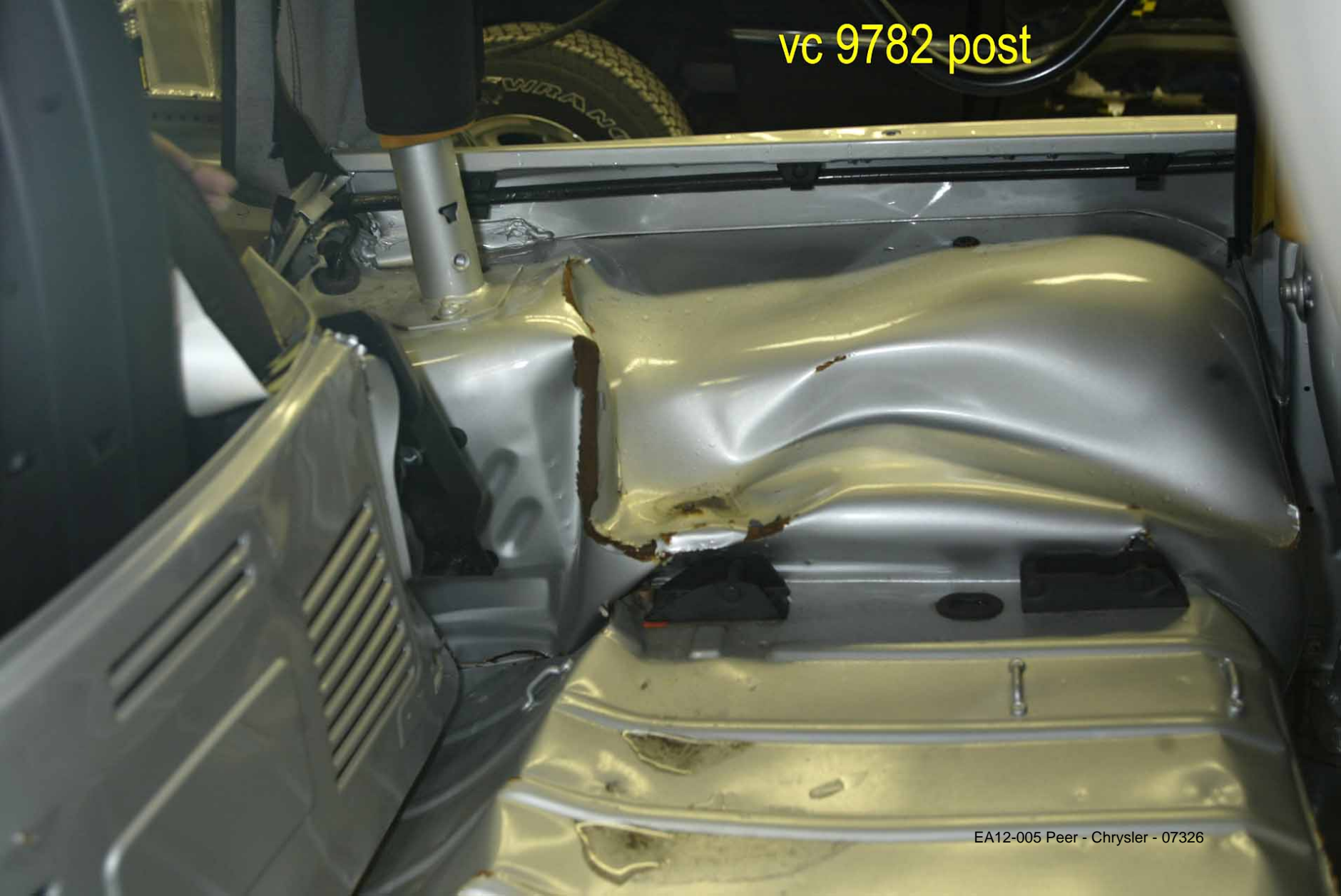
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EA12-005 Ford Chrysler 6132

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EA12-005 Peer - Chrysler - 07329



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VC9782 PRE



VC9782 PRE



VC9782 PRE



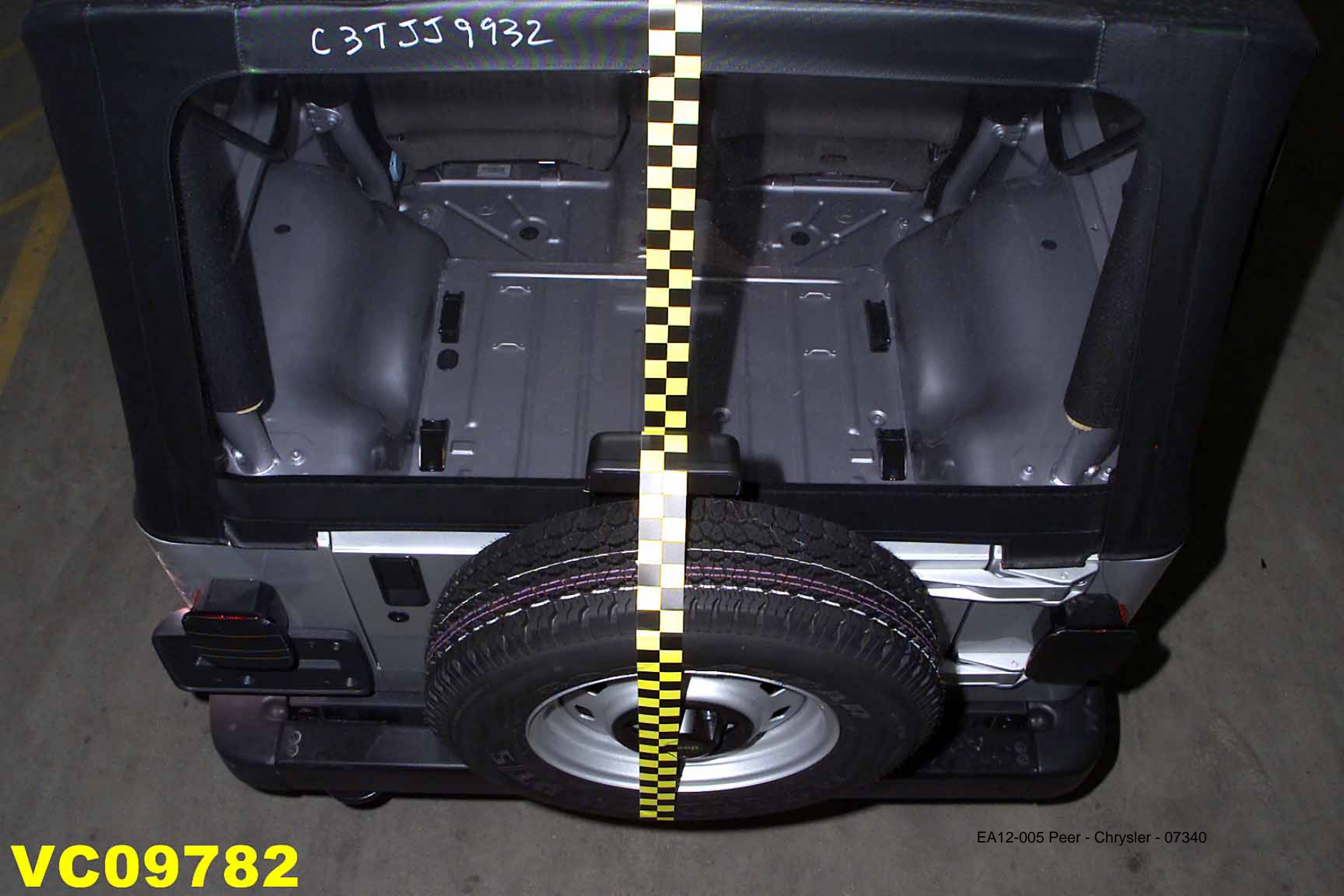
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C3TJJ9932

VC09782

EA12-005 Peer - Chrysler - 07340



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DATE 04/26/02
TIME 14:00:27.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC09782 ITEM C3TJJ9932
VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG

TEST PURPOSE PRIMARY, 2003 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; TJJ
BODY; L77
ENGINE; 2.4 LITER
ENGINE NOTE; I4
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J4FA29103P [REDACTED] MOD.
VIN AS BUILT; 1J4FA29103P [REDACTED] MOD.

TEST SPEED 49.11 KPH BY TRAP AVERAGE

TEST WEIGHT (KG) 1752 TOTAL, 874 FRONT, 878 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-59
RESTRAINT- 3-PT UNIBELT ONLY
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BUILD CONDITION ORIGINAL BUILD: 2003 SE, SILVER, HALF DOORS, SOFT
TOP, MAN TRANS, NON-TILT STEERING, P205/75R15, B-
PILLAR REINFORFCEMENT, BATTERY TRAY
REINFORCEMENT, DOOR WITH REVERSE DIRECTION LOCKS,
REINFORCED SWING GATE
MODIFICATIONS: NONE

TARGET WEIGHT (KG) 1747 TOTAL
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
90.7 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 04/26/02
TIME 14:00:27.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC09782 ITEM C3TJJ9932
VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG
EDP TECHNICIAN S. MARCHENIA

No. of Pages 30
CC

M. STEBELTON 422-05-01
A. STEFANGO 514-17-39

DATE 04/26/02
TIME 14:00:40.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST

TEST DATE 04/25/02 SPEED 49.1 TEST WT 1752

LIBRARY VC09782

Errata # 1 Data Set 04/25/02BC CHL001-016 30.5 REAR VC09782E

Errata # 1 Data Set 04/25/02BD CHL017-032 30.5 REAR VC09782E

The data is displayed in the Metric system of Units (G, CM, N, N-M, KPH, etc.)

CHL	TRANSDUCER LOCATION		1000 CLASS FILTER PEAK	600 CLASS FILTER PEAK	180 CLASS FILTER PEAK	60 CLASS FILTER PEAK	SPEED AT 300MS	
1	LEFT FRONT SILL	X P15487	-39.2	-39.1	-35.0	-24.3	-29.6	KPH
2	RIGHT FRONT SILL	X P18154	-40.5	-33.6	-28.5	-27.5	-26.1	KPH
3	LEFT REAR SILL	X J13114	-47.8	-44.0	-38.5	-25.5	-26.9	KPH
4	LEFT REAR SILL	Z J26965	89.8	73.8	-28.2	-15.9	0.8	KPH
5	RIGHT REAR SILL	X P12547	-80.4	-70.2	-37.7	-32.7	-28.7	KPH
6	RIGHT REAR SILL	Z P14563	-96.9	-75.3	38.6	19.8	-1.1	KPH
7	LEFT FRONT RAIL	X P12725						N
8	RIGHT FRONT RAIL	X P14142	154.6	129.0	-104.0	-59.2	-23.3	KPH
9	LT REAR RAIL	X P13248	-136.9	-113.1	-84.6	-46.0	-29.6	KPH
10	LT REAR RAIL	Z P11841	-228.9	131.4	-83.1	-42.7	-10.7	KPH
11	RT REAR RAIL	X J21929	293.7	207.4	-97.3	-50.8	-23.2	KPH
12	RT REAR RAIL	Z ETBBBB4	234.2	156.6	125.8	59.5	13.9	KPH
13	FUEL TANK BOTTOM ACC	X ETBB166	-240.5	-236.4	-223.8	-174.9	-26.2	KPH
14	FUEL TANK BOTTOM ACC	Z J27297	-568.9	-330.5	120.8	-55.9	2.9	KPH
33	M-FLAT LT RAIL MID	X P13669		51.1		16.5	22.9	KPH
34	M-FLAT RT RAIL MID	X P13639		75.9		26.4	26.7	KPH

Multi-Channel Plot data

CHLS 1 2 3 & 5 CL 60 AVERAGE OF FRT SILL -25.1 G AT 20.8MS

CHLS 1 & 2 CL 60 AVERAGE OF FRT SILL -24.1 G AT 20.5MS

DATE 04/26/02
TIME 14:00:40.

TEST VALUES
NOTES & COMMENTS

SAFETY TEST
DEPT 5320

VC09782 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9932
03 TJ, USA 301-REAR COMPLIANCE TEST

LIBRARY VC09782

Errata # 1 Data Set 04/25/02BC CHL001-016 30.5 REAR VC09782E
Errata # 1 Data Set 04/25/02BD CHL017-032 30.5 REAR VC09782E

CHL 7 *M* ***** INST. MALFUNCTION *****

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

1997 - 2006 Wrangler (TJ)

Compliance

VC09797

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC09797 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9631
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG

TEST PURPOSE PRIMARY, 2003 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; TJJ
BODY; H77
ENGINE; 4.0 LITER
ENGINE NOTE; I6
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J4FA49S63P [REDACTED] MOD.
VIN AS BUILT; 1J4FA49S63P [REDACTED] MOD.

TEST SPEED 48.6 KPH BY TRAP AVERAGE

TEST WEIGHT (KG) 1903 TOTAL, 895 FRONT, 1008 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-64
RESTRAINT- 3-PT UNIBELT ONLY
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- 3-PT UNIBELT ONLY

BUILD CONDITION ORIGINAL BUILD: 2003 SPORT
MODIFICATIONS:

TARGET WEIGHT (KG) 1900 TOTAL
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
48.9 KG BALLAST WEIGHT SECURED IN CARGO AREA
170.1 KG ADDITIONAL BALLAST WEIGHT ADDED
100# OF BALLAST ON FRONT BUMPER. 275 LBS OF
BALLAST ON REAR SEAT.

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

DISTRIBUTION M. STEBELTON 422-05-01 (AB)
A. STEFANGO 514-17-39 (AB)

DATE 04/25/02 TIME 15:57:34.

Test Request for VC09797/ JPE Item No.: C3TJJ9631


Doc. Rev. #: 3

Key People: *Test Requester: Anne Stefango/CPG/DCC/DCX Platform: JPE Phone: +1 313 653 5368 Others to be copied on correspondence related to this test:	TEST STATUS: <p style="text-align: center;">TEST REQUEST APPROVED</p> Revision # : 3 Last Revision Made to this Request: 04/22/2002 01:31:13 PM by: Joseph C Blaska Test Requester Note Pad:
---	---

CPG Personnel Assigned to This Test: Test Engineer Assigned: Michael E Collings - 836-5516 Data Acquisition Test Engineer: Data Acquisition Check Completed By: Joseph C Blaska - 836-5176 Data Acquisition Write-Up Engineer: Rene M Digue - 836-5346 Film Analysis Liaison: not found - not found	Test Number: VC09797 Scheduled Test Date: 04/25/2002 12:00:00 AM <p style="text-align: right;">Slot: 2nd Test of the Day</p> Test Site: CPG
---	---

Test Requested:

MVSS 301 30MPH Flat Rear Impact

*Procedure (Select One): SLT13500 *Target Speed: 48.3 KPH (30.0 MPH)  mph->kph *Best Estimate of Ship Date: 04/17/2002 Specific Test Date Required?: *When this test is complete, please send test property to: CPG	Regulatory Purpose(s): <small>(used to determine numeric processing)</small> PRIMARY, 2003 USA 301-REAR COMPLIANCE
*Stage of Development: <input checked="" type="radio"/> Compliance <input type="radio"/> Development	Priority (optional): <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C



***** All Required fields (*) must be entered up to this point for test specification to be accurate *****

Occupants For This Test:

Occupants in this Test:	
1L - (Standard) H2-50TH MALE BALLAST DUMMY, 0 - CH,	RESTRAINT- 3-PT UNIBELT ONLY 64
1R - (Standard) H2-50TH MALE BALLAST DUMMY, 0 - CH,	RESTRAINT- 3-PT UNIBELT ONLY 56




30.2 MPH

Film Analysis and Photographic Views:

<p>Film Analysis Ordered: No Film Analysis on This Test</p> <p>Film Analysis "If Requested":</p> <p>Test Site Constraints based on Film Analysis: No Film Analysis Req'd - any site is recommended</p> <p>Film Analysis Requested - Custom: No Custom</p>	<p> Photographic Views Required:</p> <p>>>LEFT FUEL FILL AREA >>LEFT VELOCITY >>LEFT REAR BUMPER TO BARRIER >>PIT FUEL TANK >>PIT OVERALL</p> <hr/> <p>IMAGING PRODUCT ORDER: VCE PROVIDES ONE ORIGINAL AND ONE PRINT 16MM FILM REEL WITH EACH TEST.</p>
<p> Still Photos Required:</p> <p>Pre-Test Still Photo: Post-Test Still Photo:</p>	



Vehicle Information:

<p>Program: 03 TJ </p> <p>Core Item No.: C3TJJ9631 NOTE: the Core Item No. cannot exceed 10 characters in length.</p> <p>Restrike No.: R</p> <p><input type="checkbox"/> Right-Hand Drive <input type="checkbox"/> Competitive Car</p> <p>CAR LINE: TJJ BODY: H77 Number of Doors in this Vehicle: 2 Vehicle Build Level: S1</p> <p>Other Vehicle Configuration Flag (optional word or short phrase to use in further sorting of platform reports):</p> <p>VIN(as built): 1J4FA49S63P  VIN(as tested): 1J4FA49S63P </p>	<p>Vehicle Readiness to Ship: <i>THIS IS A MINIMALLY MODIFIED VEHICLE. NO CHECKLIST IS REQUIRED</i></p>
<p>ENGINE: 4.0 Liters ENGINE NOTE: I6</p> <p>TRANSMISSION: 5 SPEED MANUAL</p> <p>TRANS. NOTE: DRIVE: 4 X 4</p> <p>GVW (opt): kg</p>	<p>Vehicle Logistics: Note: Vehicle must be fully inspected prior to shipment to test site. <input type="checkbox"/> Yes</p> <p>Shipped to Test Site: Rec'd at Test Site: 04/18/2002 Returned from Test Site: When I expect vehicle to be off hold:</p>



Instrumentation Build Info:

General Instrumentation Requirements:	
Modules Used: Other Notes: FUEL PUMP RUNNING DURING TEST	Pyrotechnics Used: Deployment Method: <p style="text-align: center;">No Deployment</p>

Vehicle Channel Entry:	List of Dummy Channel Titles Used on this Test:
<p>Create New Instrumentation Sheet</p> <p>Attach Instrumentation Sheet Here: DO NOT ATTACH MORE THAN ONE FILE TO THIS FIELD.</p> <p>Attach New or Replacement Sheet</p> <p>No instrumentation required!</p> <ul style="list-style-type: none"> Protected section of instrumentation sheet indicates minimum instrumentation requirements for the test selected and may only be modified by your Data Acquisition Engineer. Please indicate all changes made to the spreadsheet after Test Request submission at the base of the spreadsheet. 	BALLAST DUMMY- NO CHANNELS-1L BALLAST DUMMY- NO CHANNELS-1R

Total Occupant Channels: 0 Total Vehicle Channels: 0 TOTAL ON-BOARD CHANNELS FOR THIS TEST: 0	<p style="text-align: center;">Total Data Acq. Boxes Required: 0 Channels in Last Data Acq. Box : 0 out of 32</p>
--	---

Build Condition as Reported in Test Letter:

Paragraph summarizing the original build condition of this vehicle

(This will appear in the Test Letter as shown, please describe any unique features this vehicle was originally built with. If this is a mule vehicle, please describe the original vehicle model and model year):

ORIGINAL BUILD:
2003 SPORT

Paragraph summarizing the modifications made to the original build prior to test

(This will appear in the Test Letter as shown, please describe any modifications affecting test performance):

MODIFICATIONS:



Test Weight:

Target Test Weight Requested

Please note: This is an approximate value and includes vehicle, ballast, fuel, ATDs, and instrumentation.

1 POUND WEIGHT = 0.4536 KILOGRAMS (KG)

Total Target Test Weight: 1900 kg (4,189 lbs)



Weight Adjustment Method:

(standard procedure to be used unless otherwise specified. Define which parts should be removed first if the vehicle is over the target weight after occupants and instrumentation are added)

Weight Balance and Luggage:

Please note: This section is OPTIONAL. Values entered here are approximate.

Total Front kg



Total Rear 0 kg (0 lbs)



Luggage: 48.9 kg



100 lbs Front Bumper

275 lbs rear seat

Total - 4196 lbs
Front - 1974 lbs



Mechanical Requirements:

Specific Work to Be Done at Test Site: DO NOT DISTURB: swing gate TEST VEHICLE WITH 18.1 GALLONS STODDARD IN FUEL SYSTEM FUEL FILL TO SPEC IS MANDATORY PRE-TEST PRESSURE CHECK REQUIRED FUEL PUMP RUNNING DURING TEST STATIC ROLL ASSESSMENT REQUIRED (SLWI3532) Film Targeting: No Film Analysis Targeting or Cameras Required	
	Work Orders for This Test:

Extra Attachments, Rich Text or Additional Info here if required:

Document Information

Date Created: 01/26/2002 09:43 AM	Last Edited: 04/22/2002 01:31:13 PM
Created By: Anne Stefango/CPG/DCC/DCX	Edited By: Joseph C Blaska/CPG/DCC/DCX

Edit History:

Edit History:			
Last Edit:			
4/18/02 7:26:21 AM	Glenn A Buss	EditApprovalStatus [] --> [**** TEST REQUEST INITIALLY APPROVED ****] MODIFIED /Rev#:1	
4/18/02 7:26:21 AM	Glenn A Buss	SchedTest [] --> [04/26/2002 12:00:00 AM] MODIFIED /Rev#:1	
4/18/02 7:26:21 AM	Glenn A Buss	Slot [] --> [tbd] MODIFIED /Rev#:1	
4/18/02 11:29:08 AM	Glenn A Buss	SchedTest[4/26/02] --> [4/25/02] MODIFIED / Rev# 2	
4/22/02 10:55:00 AM	Glenn A Buss	Slot[tbd] --> [2nd] MODIFIED / Rev# 3	

Old Change Method Info

History of Changes to This Record After Test Request Approval:

Date/Time	Edited By	Description
	Anne Stefango/CPG/DCC/DCX	TEST REQUEST INITIALLY APPROVED

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC9797, ITEM NUMBER C3TJJ9631, TEST ENGINEER COLLINGS

V.I.N. 1J4FA49S63P [REDACTED], TEST DATE 4/25/02 ROLL DATE 4/27/02

TEST TYPE; 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.1 GALLONS

TEST SPEED 30.2 MPH, TEST WEIGHT 4196 POUNDS.

POST IMPACT LEAKAGE (OZ); AT IMPACT φ

1ST 5 MIN. φ

NEXT 25 MIN. φ

POST TEST PRESSURE CHECK _____

ELECTRIC FUEL PUMP RUN _____

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE _____ SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME					TOTAL	
0-90	1ST 5 MIN				0	*
<u>1:50</u>	POST 5 MIN				0	**
90-180	1ST 5 MIN				0	*
<u>1:50</u>	POST 5 MIN				0	**
180-270	1ST 5 MIN				0	*
<u>1:48</u>	POST 5 MIN				0	**
270-360	1ST 5 MIN				0	*
<u>1:45</u>	POST 5 MIN				0	**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS _____

LAST FORM MODIFICATION 08/22/96 - GAB (TESTOBS896, DOCVCFORMS)

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC09797 48.3 KPH REAR (FULL) TYPE IV ITEM C3TJJ9631
03 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/25/02
TEST SITE CPG

TEST PURPOSE PRIMARY, 2003 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; TJJ
BODY; H77
ENGINE; 4.0 LITER
ENGINE NOTE; I6
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J4FA49S63P [REDACTED] MOD.
VIN AS BUILT; 1J4FA49S63P [REDACTED] MOD.

TEST SPEED 48.6 KPH BY TRAP AVERAGE

TEST WEIGHT (KG) 1903 TOTAL, 895 FRONT, 1008 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-64
RESTRAINT- 3-PT UNIBELT ONLY
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- 3-PT UNIBELT ONLY

BUILD CONDITION ORIGINAL BUILD: 2003 SPORT
MODIFICATIONS:

TARGET WEIGHT (KG) 1900 TOTAL
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
48.9 KG BALLAST WEIGHT SECURED IN CARGO AREA
170.1 KG ADDITIONAL BALLAST WEIGHT ADDED
100# OF BALLAST ON FRONT BUMPER. 275 LBS OF
BALLAST ON REAR SEAT.

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

DISTRIBUTION M. STEBELTON 422-05-01 (AB)
A. STEFANGO 514-17-39 (AB)
DATE 04/25/02 TIME 16:02:24.

9797

9797

YEAR R

VC 9797





VC 9797

VC 9797



VC 9797

VC 9797

VC 9797

TRAIL BLAZER

Jeep

VC 9797

VC 9797



VC 9797

VC 9797



VC 9797

VC 9797

VC 9797



VC 9797



vc09797
post



vc09797
EA12-005 Peer - Chrysler - 07361
post

VC 9797 TOTAL

vc09797
post

C3TJJ9631

9797



VC09797
POST

VC 9797 TOTAL



**VC09797
POST**

EA12-005 Peer - C

The image shows the underside of a vehicle. At the top, a spare tire is mounted on a black metal frame. Below the spare tire, a large cylindrical fuel tank is visible, wrapped in blue insulation with a red horizontal stripe. The fuel tank is mounted to a green-painted metal cross-member. The vehicle's chassis is black, and various suspension and steering components are visible. The text "VC09797 POST" is overlaid in yellow on the spare tire.

**VC09797
POST**

vc 9797 post

vc 9797 post



EA12-005 Peer - Chrysler - 07367



vc 9797 post

vc 9797 post





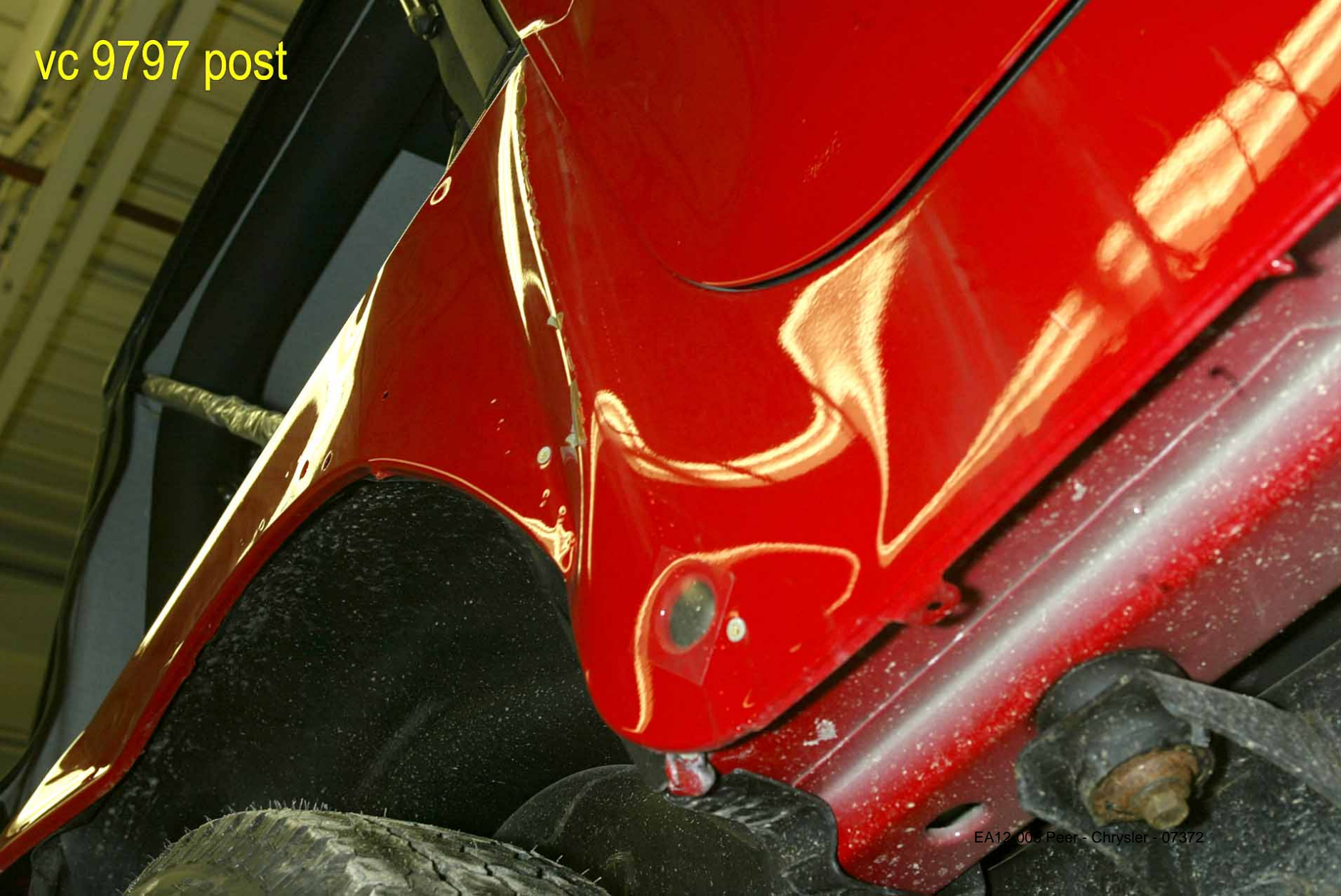
vc 9797 post



vc 9797 post

12-13 Peer - Chrysler - 07-17

vc 9797 post



vc 9797 post





vc 9797 post

vc 9797 post



EA12

Chrysler - 07375



vc 9797 post

EA12-005 Peer - Chrysler - 07316

vc 9797 post





vc 9797 post

vc 9797 post



vc 9797 post



vc 9797 post



vc 9797 post



vc 9797 post

Jeep
RANGLER





vc 9797 post

vc 9797 post





MUST REMOVE PROTECTIVE COVER
DEALER MUST REMOVE PROTECTIVE COVER

DEALER MUST REMOVE PROTECTIVE COVER

DEALER MUST REMOVE PROTECTIVE COVER

vc 9797 post

EA12-005 Peer - Chrysler - 07386

vc 9797 post



vc 9797 post



EA12-005 Peer - Chrysler - 07388



vc 9797 post

EA12-005 Peer - Customer - 07389



vc 9797 post



vc09797
pre



C3TJJ9631

9797

9797

SPORT

Jeep
WRANGLER

vc09797
pre

EA12-005 Peer - Chrysler - 07392

18.1 S.S
VC 9797. TOTAL

vc09797
pre

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

1997 - 2006 Wrangler (TJ)

Compliance

VC11792

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC11792, ITEM NUMBER TJJ7155, TEST ENGINEER HAVENS

V.I.N. 1J4FA49S75P [REDACTED], TEST DATE 6/16/04, ROLL DATE 06/17/04

TEST TYPE; 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.1 GALLONS

TEST SPEED 30.2 MPH, TEST WEIGHT 4,326 POUNDS.

POST IMPACT LEAKAGE (OZ); AT IMPACT 0

1ST 5 MIN. 0

NEXT 25 MIN. 0

POST TEST PRESSURE CHECK N/A

ELECTRIC FUEL PUMP RUN N/A

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE Left SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME					TOTAL	
0-90	1ST 5 MIN				0	*
<u>1:31</u>	POST 5 MIN				0	**
90-180	1ST 5 MIN				0	*
<u>1:36</u>	POST 5 MIN				0	**
180-270	1ST 5 MIN				0	*
<u>1:28</u>	POST 5 MIN				0	**
270-360	1ST 5 MIN				0	*
<u>1:28</u>	POST 5 MIN				0	**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS _____

VEHICLE ATTITUDE

TEST NUMBER VC11792

TEST ENGINEER HAVENS

ITEM NUMBER TJJ7155

X FENDER/WHEELWELL HEIGHTS _____ SILL HEIGHTS

	LF	LR	RF	RR
AS RECEIVED	33.2	34.5	32.5	34.0
AS BUILT-UP				
AS TESTED	31.6	33.3	31.7	32.4

Test VC11792

Last Requester Update
Last Check

05/26/2004 11:50:00 AM EDT
6/15/2004 2:36:53 PM

VC11792 30.0 MPH REAR FULL ITEM TJJ7155 05 TJ, USA 301-REAR COMPLIANCE TEST TEST DATE 06/16/2004

Analysis	Camera	Lens	Sync	F Stop	HGacq	Pnl	Clb	Skt
1 <input type="checkbox"/>	CATWALK OVERALL							
	1	HG2000	ZOOM	mm	#4	CAN	<input type="checkbox"/>	250
2 <input type="checkbox"/>	LEFT OVERALL							
	16	HG2000	ZOOM	mm	#10	CAN	<input type="checkbox"/>	250
3 <input type="checkbox"/>	LEFT FUEL FILL AREA							
	10	HG2000		mm			<input type="checkbox"/>	250
4 <input type="checkbox"/>	PIT FUEL TANK							
	7	HG2000		mm			<input type="checkbox"/>	250
5 <input type="checkbox"/>	PIT VEHICLE REAR							
	6	HG2000	13	mm	13-2	COS	<input type="checkbox"/>	250
6 <input type="checkbox"/>	RIGHT OVERALL							
	2	HG2000	ZOOM	mm	#7	CAN	<input type="checkbox"/>	250
7 <input checked="" type="checkbox"/>	VELOCITY							VEL
	18	HG2000	ZOOM	mm	#8	CAN	<input type="checkbox"/>	250

In Addition to Default Print:

ORIGINAL ORDER

DATE 06/17/04
TIME 13:12:24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11792 ITEM TJJ7155
VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/16/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; NONE
BODY; 78
ENGINE; ERH
ENGINE NOTE;
TRANSMISSION; DG6
TRANS. NOTE;
VIN AS TESTED; 1J4FA49S75P [REDACTED]
VIN AS BUILT; 1J4FA49S75P [REDACTED]

TEST SPEED 48.63 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 1962.27 TOTAL, 980.68 FRONT, 981.59 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-50
RESTRAINT- A/B + UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-644
RESTRAINT- A/B + UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005MY TJ-D S1 LEVEL BUILT AT TAP.
MODIFIED BUILD:

MODIFIED EMD BUILD:
2005MY FUEL TANK, Z-PSO LEVEL - 52059616AE2005MY F
UEL LINE CHASSIS BUNDLE, S2 LEVEL - 52059587AC

TARGET WEIGHT(KG) 1963.7 TOTAL, 922.9 FRONT, 1040.8 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.5 LITRES STODDARD SOLVENT
50LBS ON 1L FLOOR; 75LBS ON 1R FLOOR
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 06/17/04
TIME 13:12:24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11792 ITEM TJJ7155
VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/16/04
TEST SITE CPG
EDP TECHNICIAN S. MARCHENIA

No. of Pages 27
CC

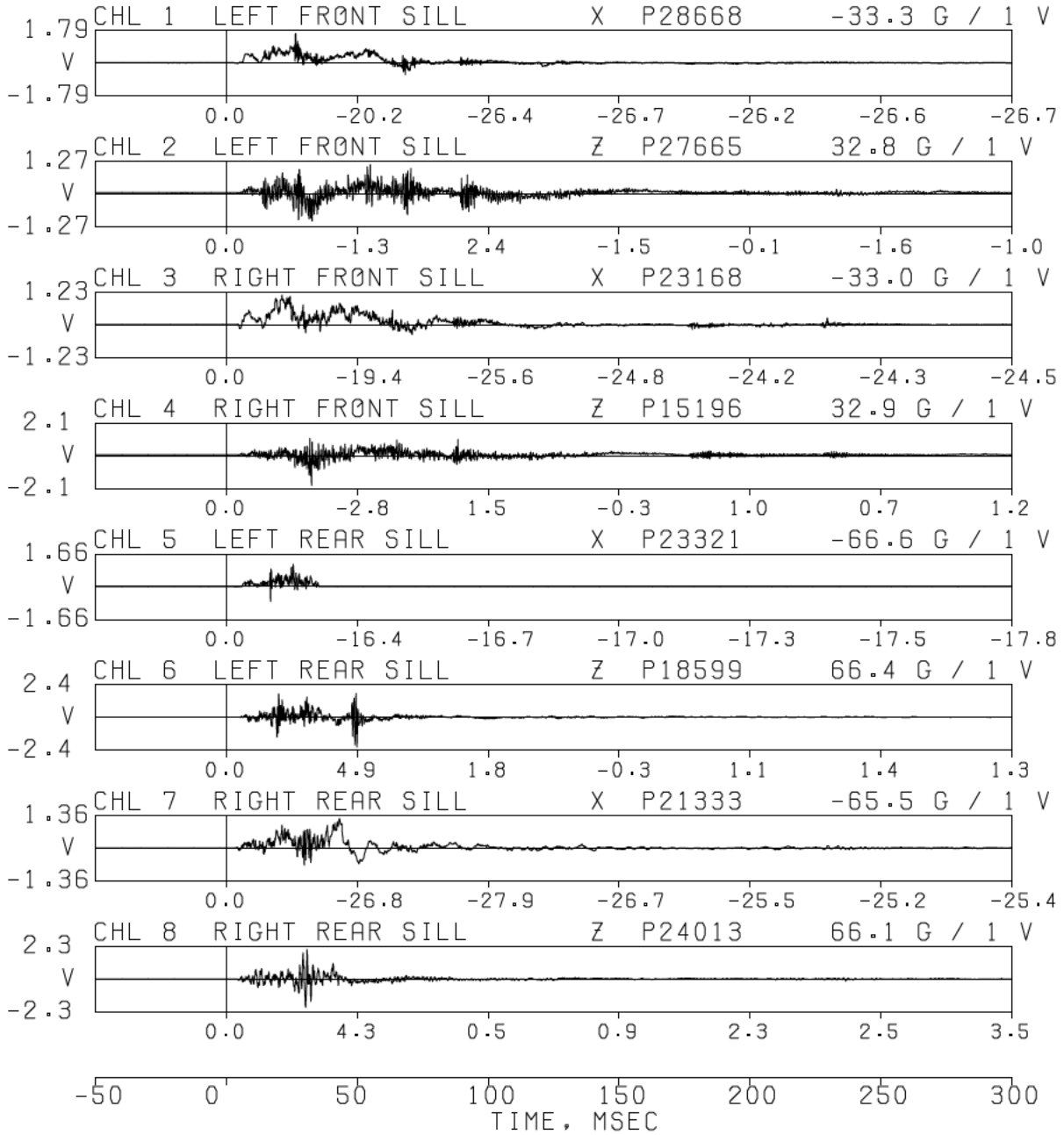
M. COPPOLA 514-17-39
M. STEBELTON 422-05-01

TRANSDUCER SUMMARY REPORT

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
 05 TJ, USA 301-REAR COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 JUN 17, 2004

DATA SET 06/16/04BG
 ERRATA 1

-50 0 50 100 150 200 250 300



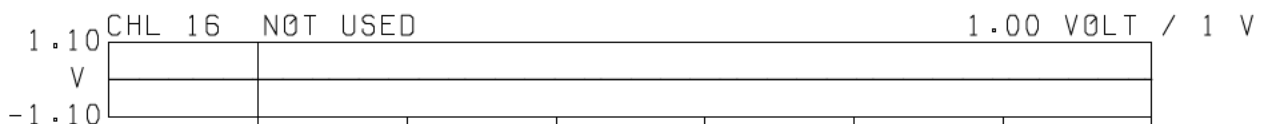
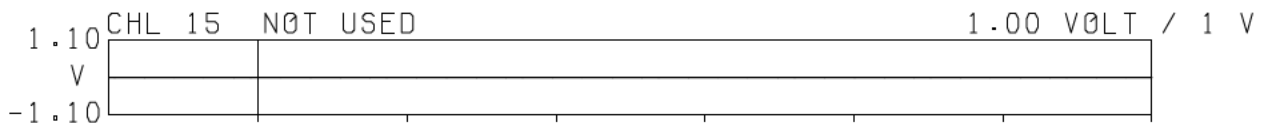
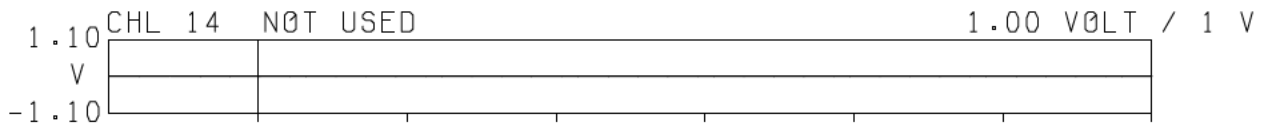
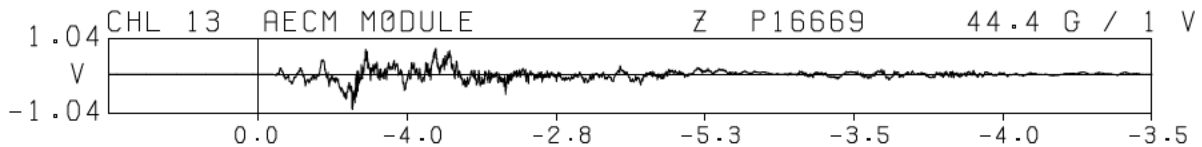
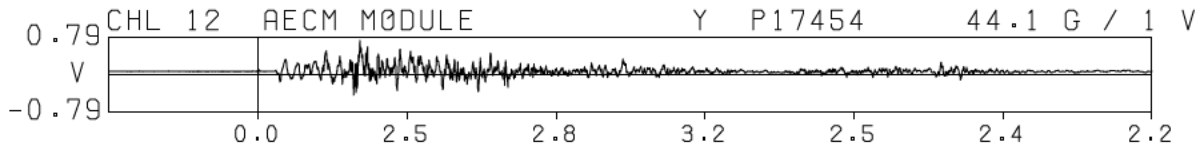
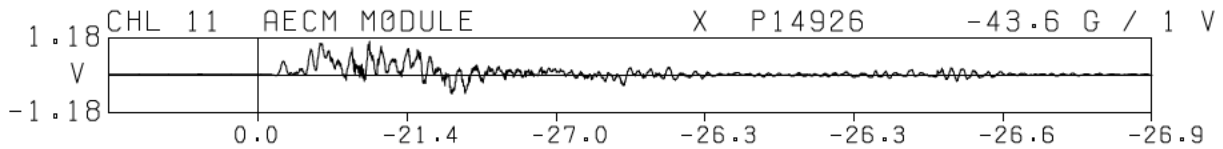
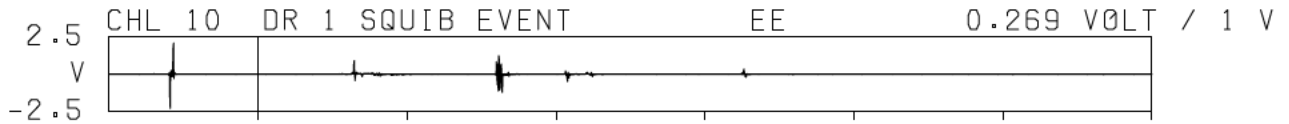
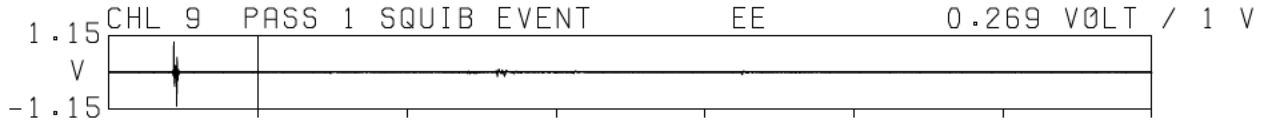
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/16/04BG
ERRATA 1

-50 0 50 100 150 200 250 300



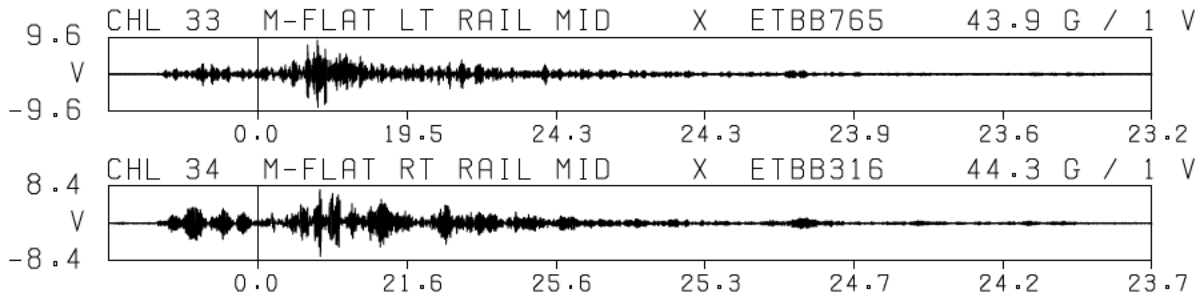
-50 0 50 100 150 200 250 300
TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT
 VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
 05 TJ, USA 301-REAR COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 JUN 17, 2004

DATA SET 06/16/04BI
 ERRATA 1

-50 0 50 100 150 200 250 300



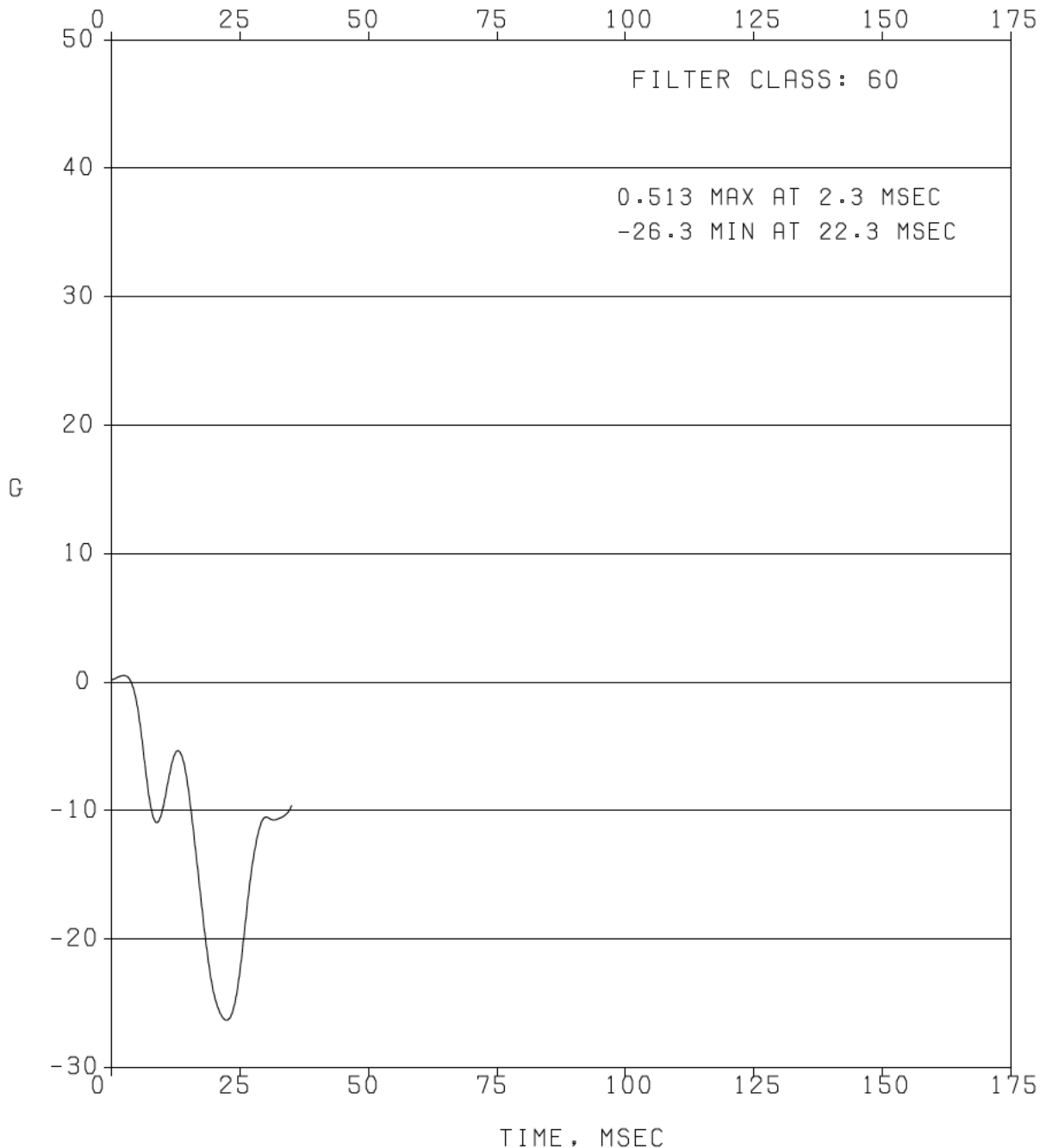
-50 0 50 100 150 200 250 300
 TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
AVERAGE OF

CHANNEL 001	LEFT FRONT SILL	X	P28668
CHANNEL 003	RIGHT FRONT SILL	X	P23168
CHANNEL 005	LEFT REAR SILL	X	P23321
CHANNEL 007	RIGHT REAR SILL	X	P21333

FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17.2004 ERRATA 1

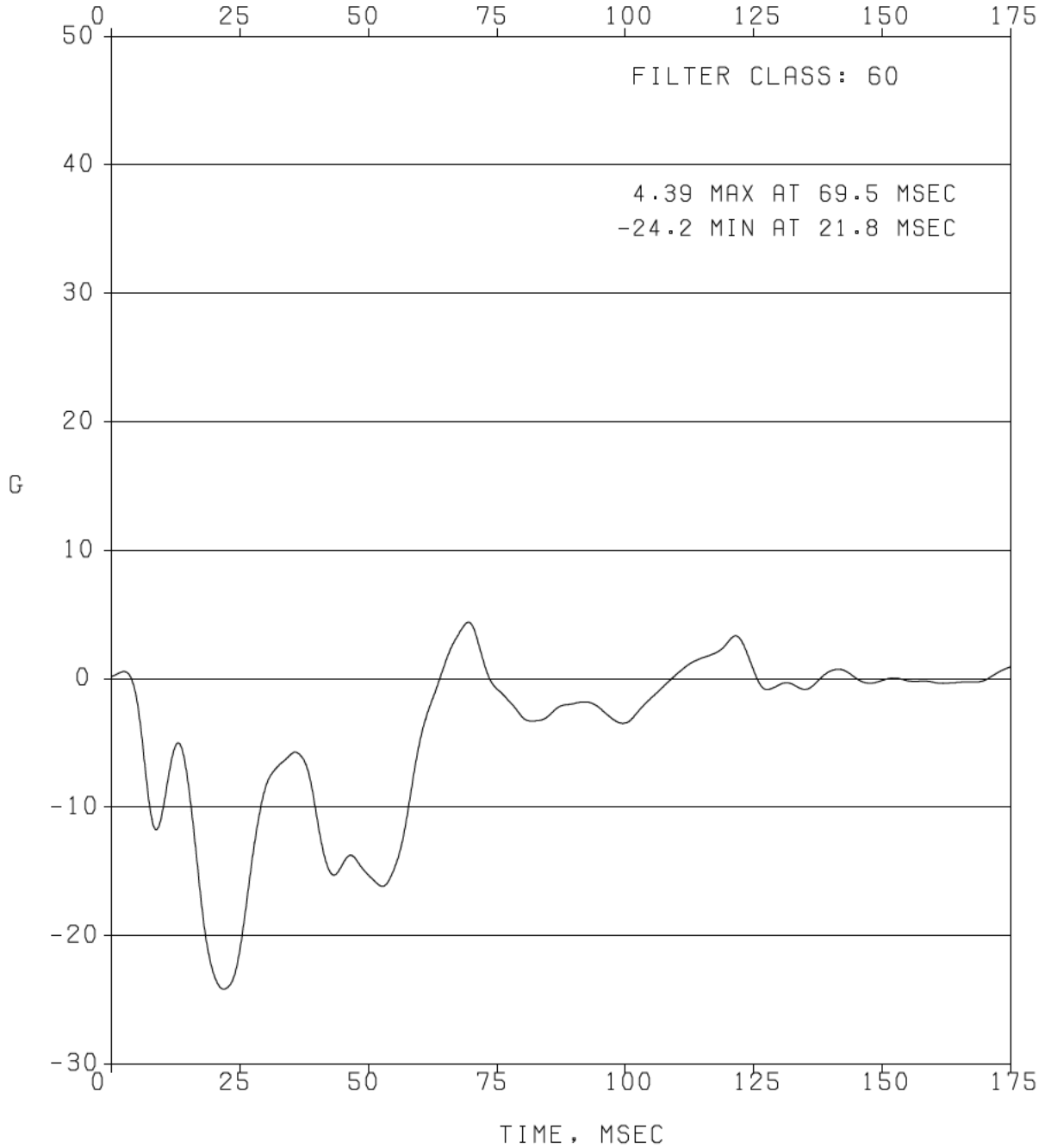


***** CAUTION *****
***** LT REAR SILL X, INST. MALFUNCTION AFTER 35.0 MS *****

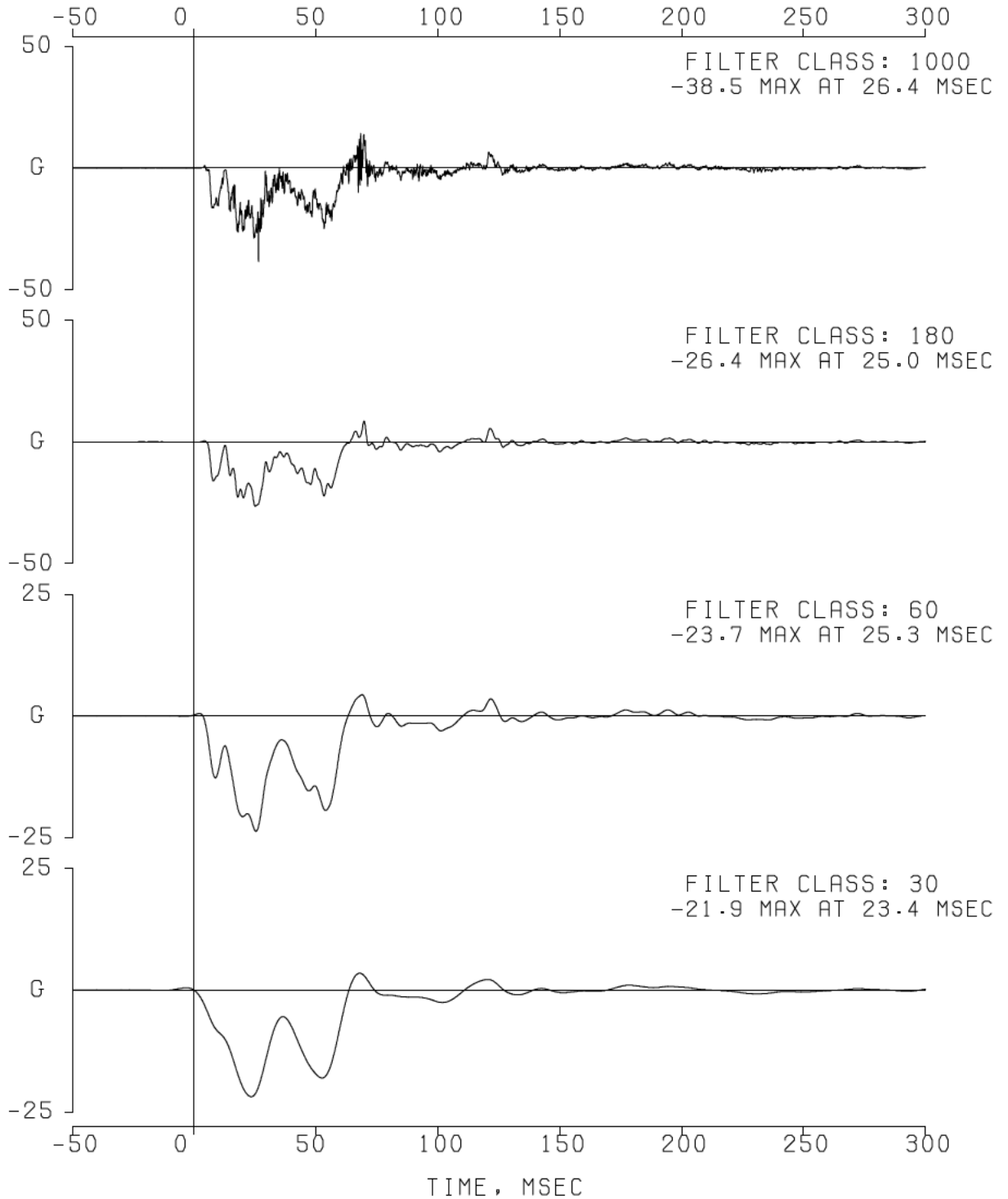
VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X P28668
CHANNEL 003 RIGHT FRONT SILL X P23168

FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17, 2004 ERRATA 1



VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P28668
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1

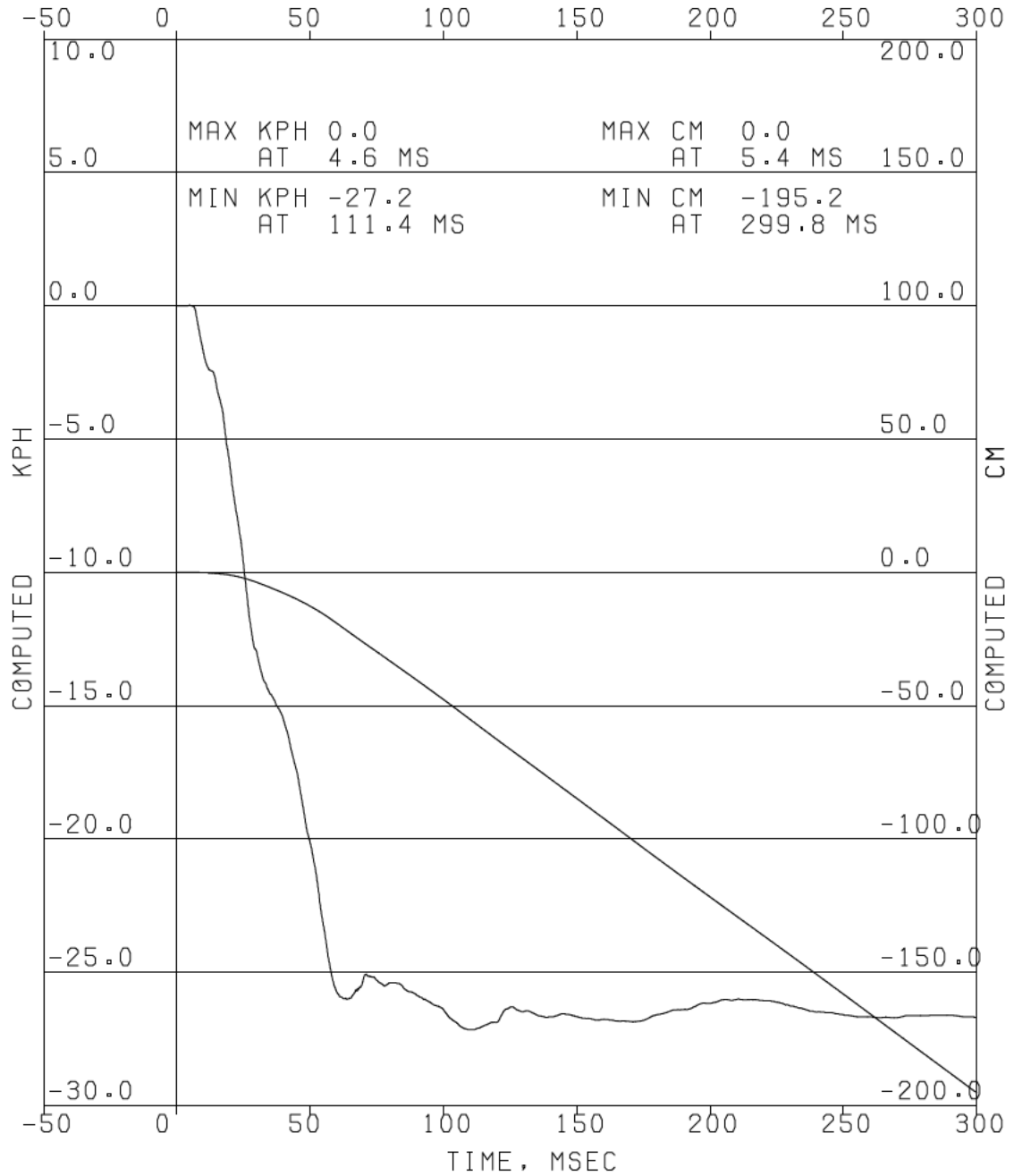


VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P28668

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

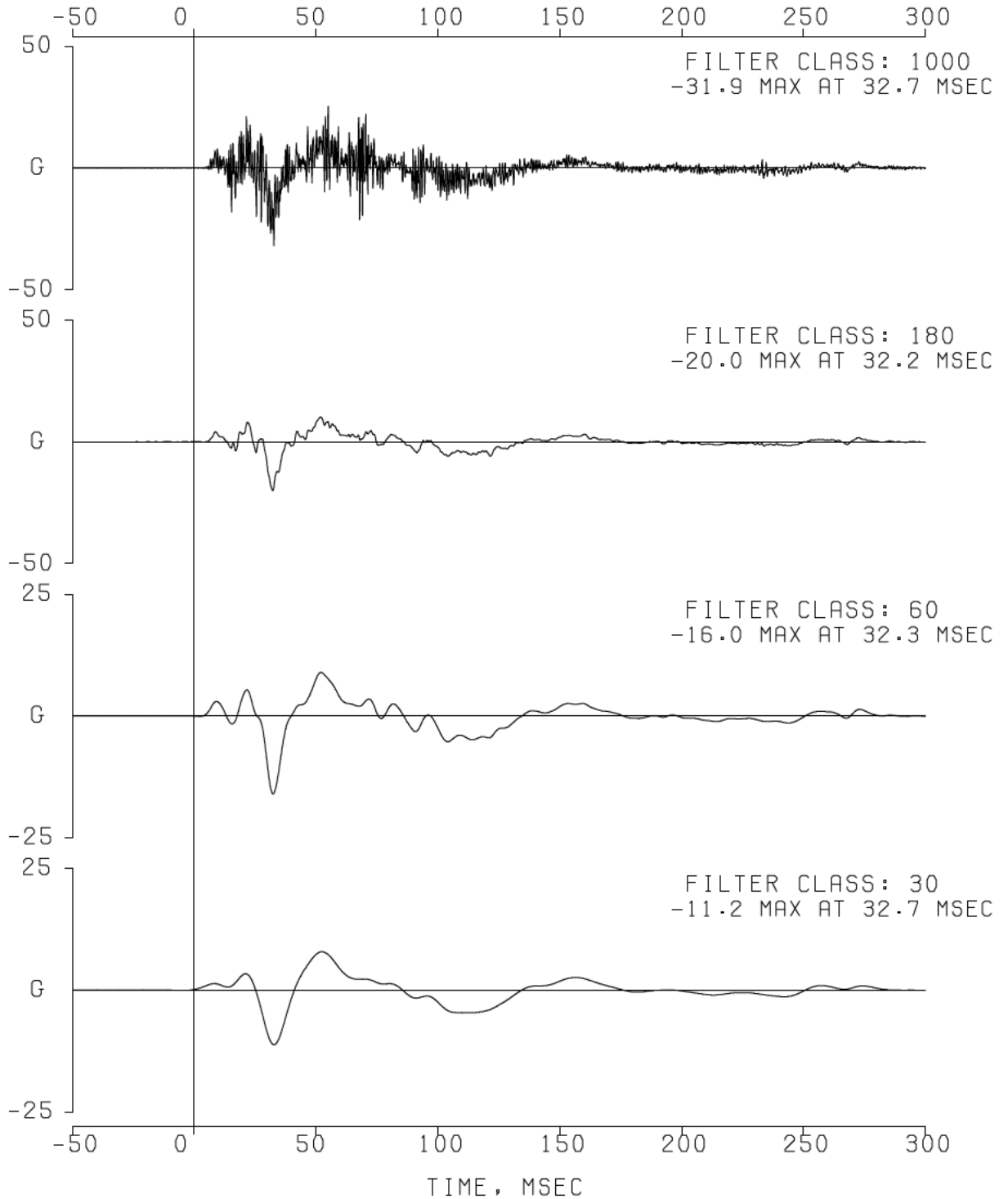
IMPACT ANALYSIS DEPT. 5320
JUN 17,2004

DATA SET 06/16/04BG
ERRATA 1

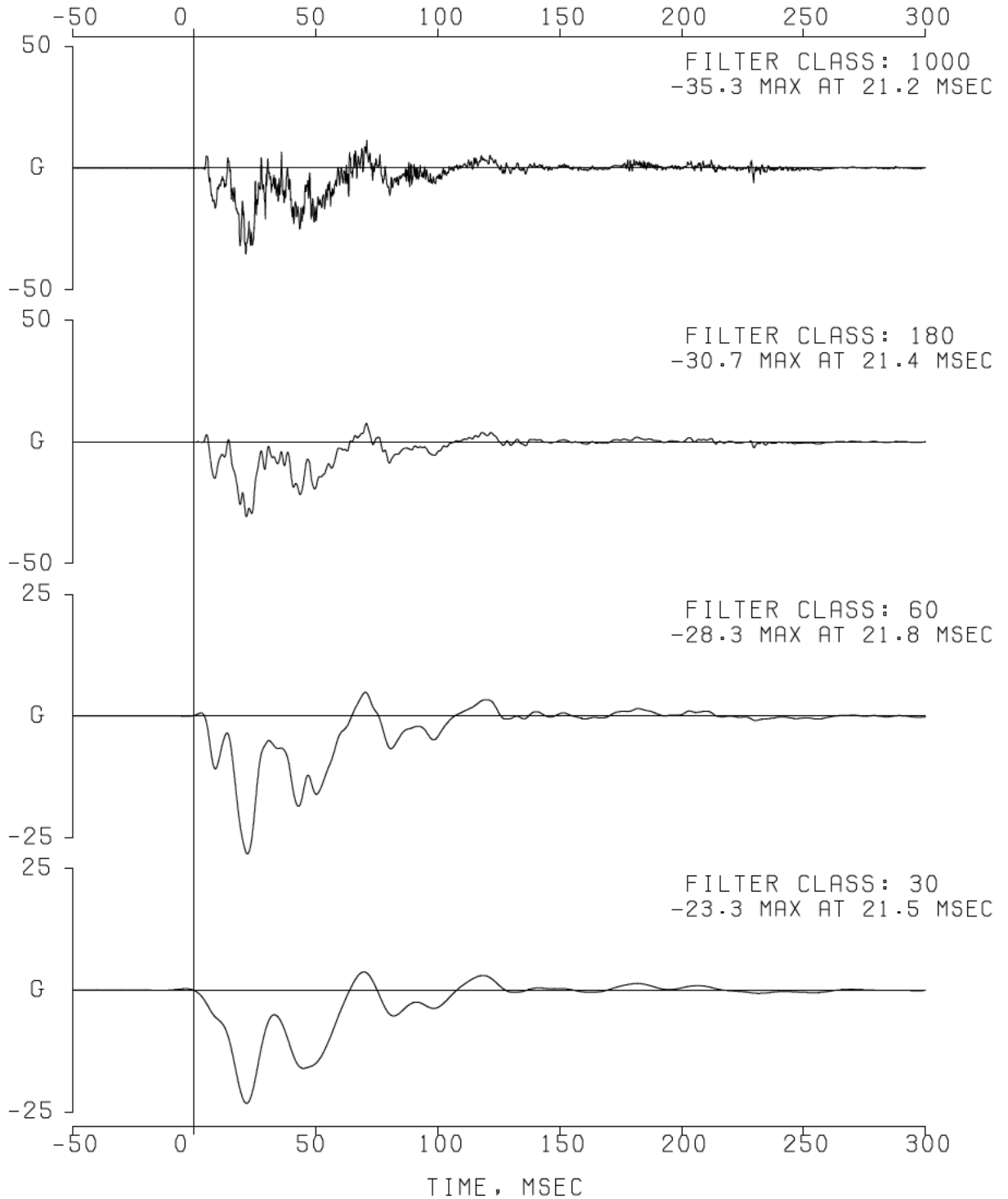


COMPUTED KPH
COMPUTED CM

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 002 LEFT FRONT SILL Z P27665
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1



VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 003 RIGHT FRONT SILL X P23168
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1

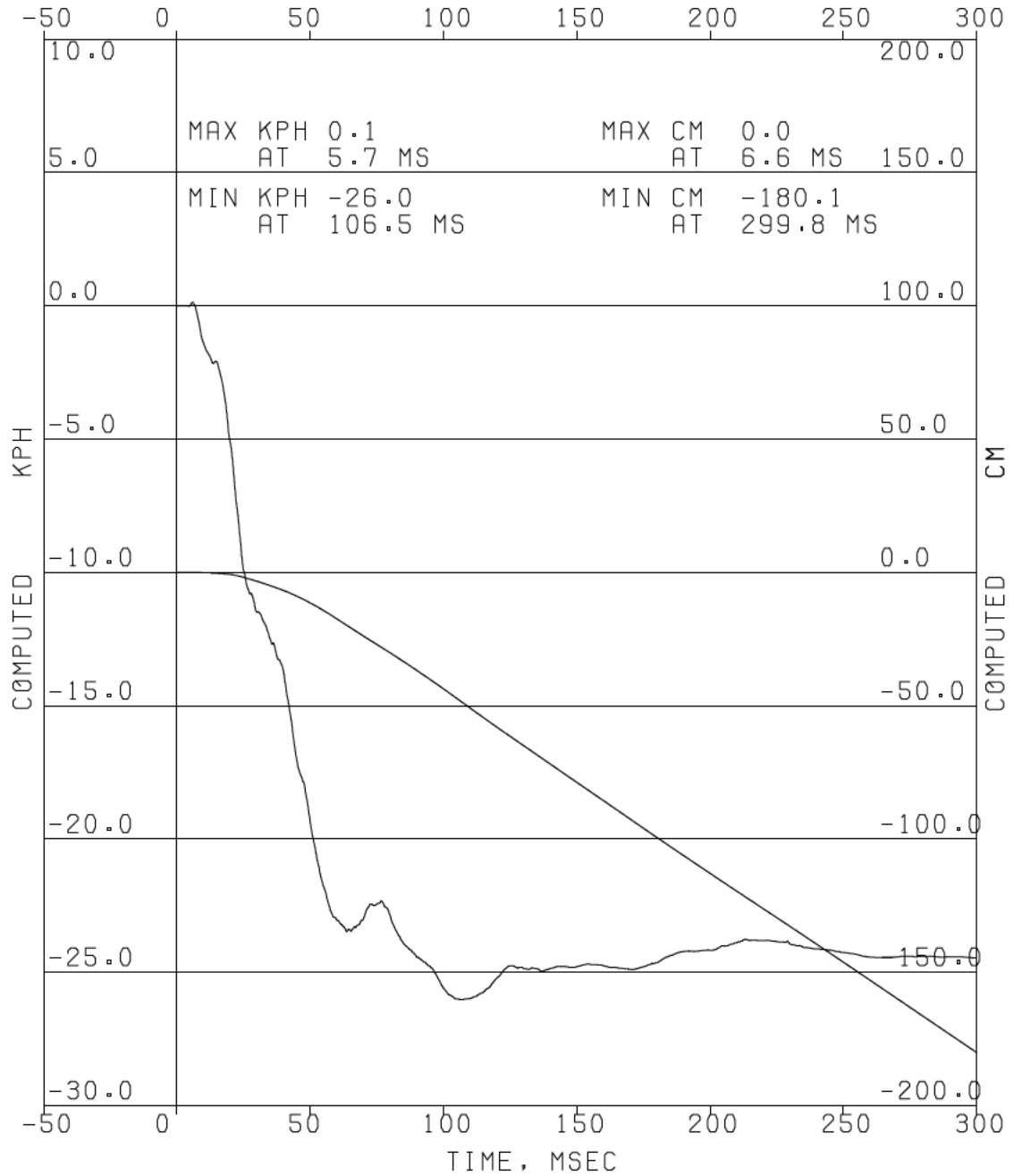


VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 003 RIGHT FRONT SILL X P23168

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

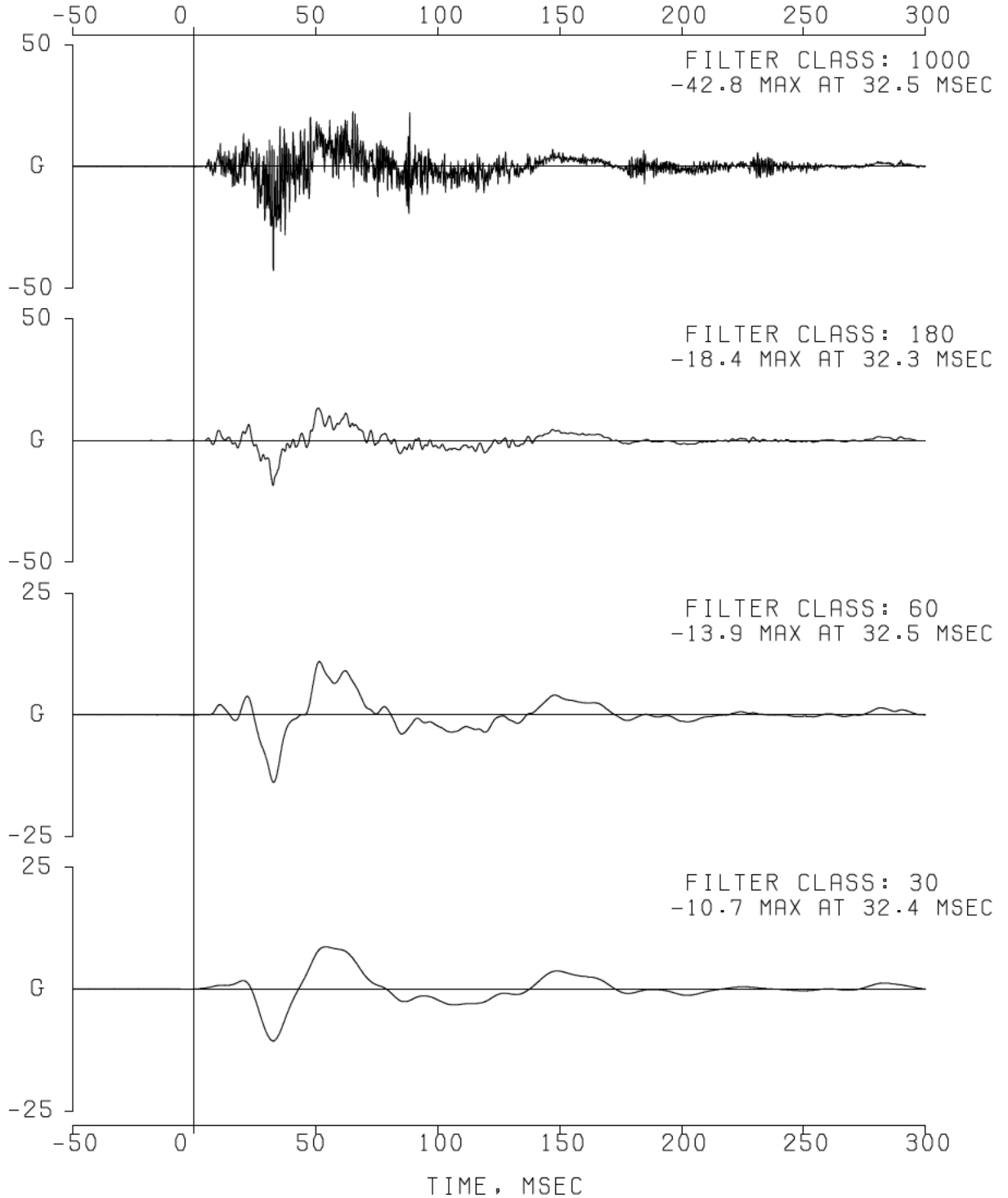
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/16/04BG
ERRATA 1

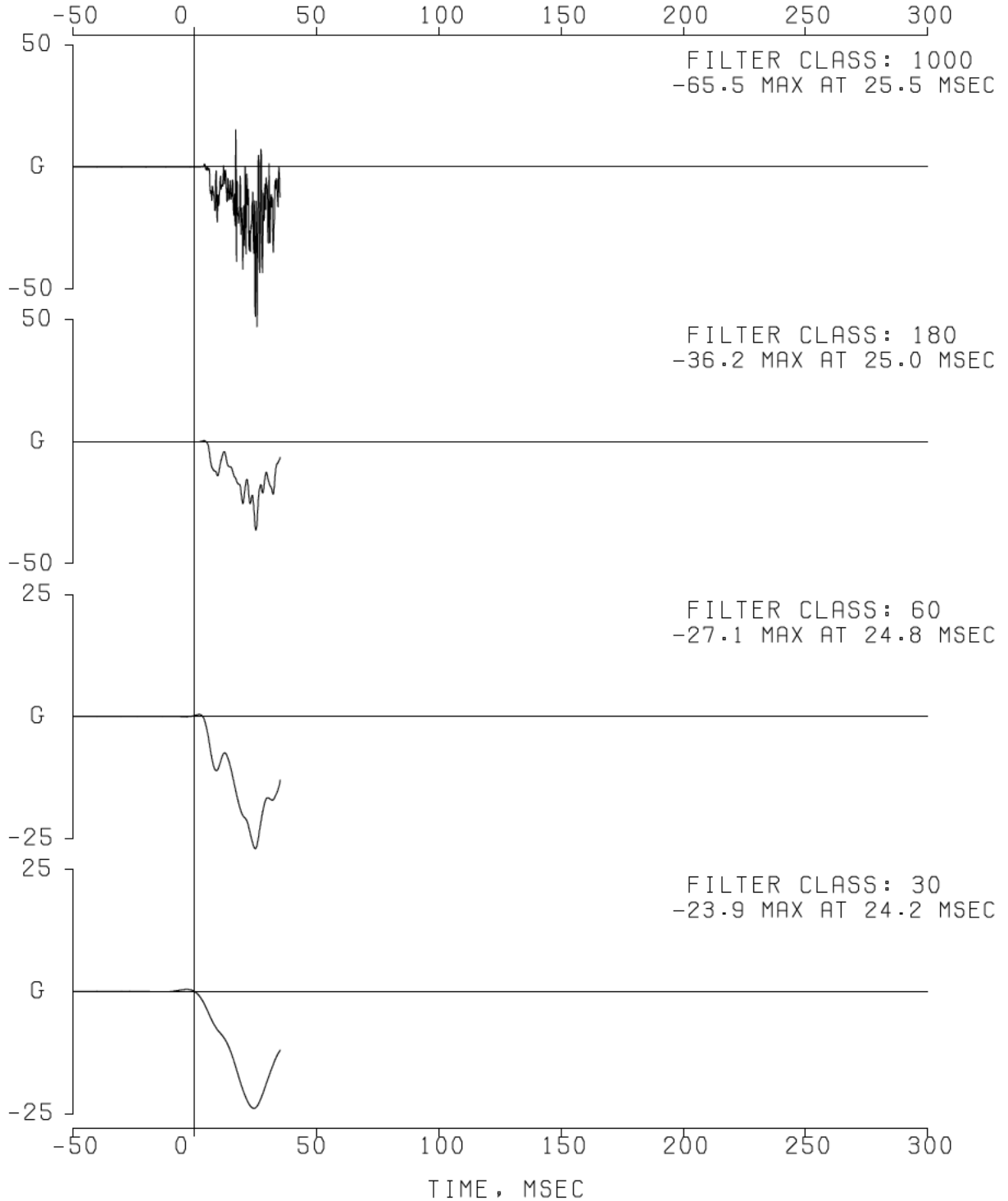


COMPUTED KPH
COMPUTED CM

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 004 RIGHT FRONT SILL Z P15196
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1



VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
 05 TJ, USA 301-REAR COMPLIANCE TEST
 CHANNEL 005 LEFT REAR SILL X P23321
 FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
 IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
 JUN 17,2004 ERRATA 1



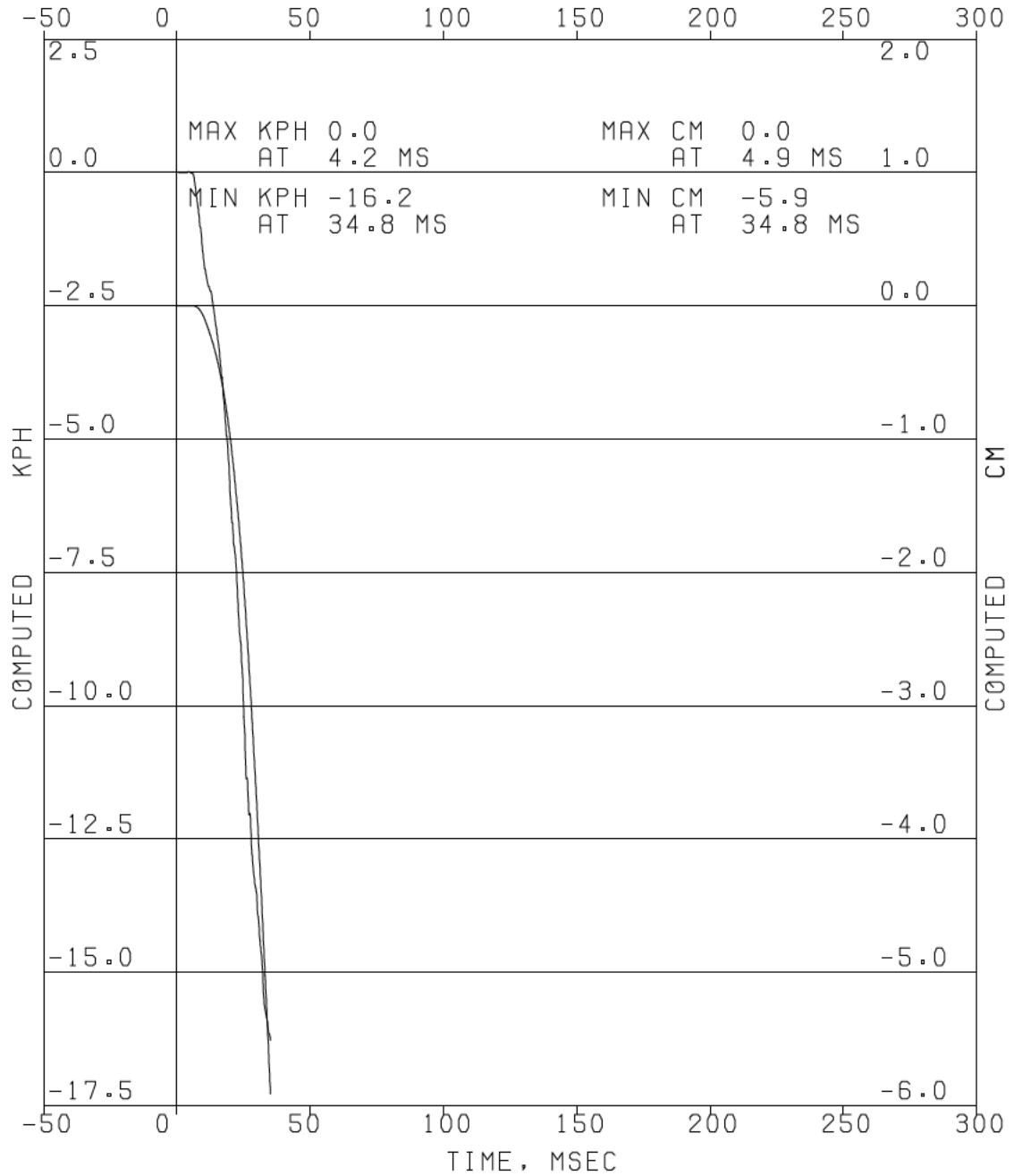
***** CAUTION *****
 ***** LT REAR SILL X, INST. MALFUNCTION AFTER 35.0 MS *****

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
 05 TJ, USA 301-REAR COMPLIANCE TEST
 CHANNEL 005 LEFT REAR SILL X P23321

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 JUN 17,2004

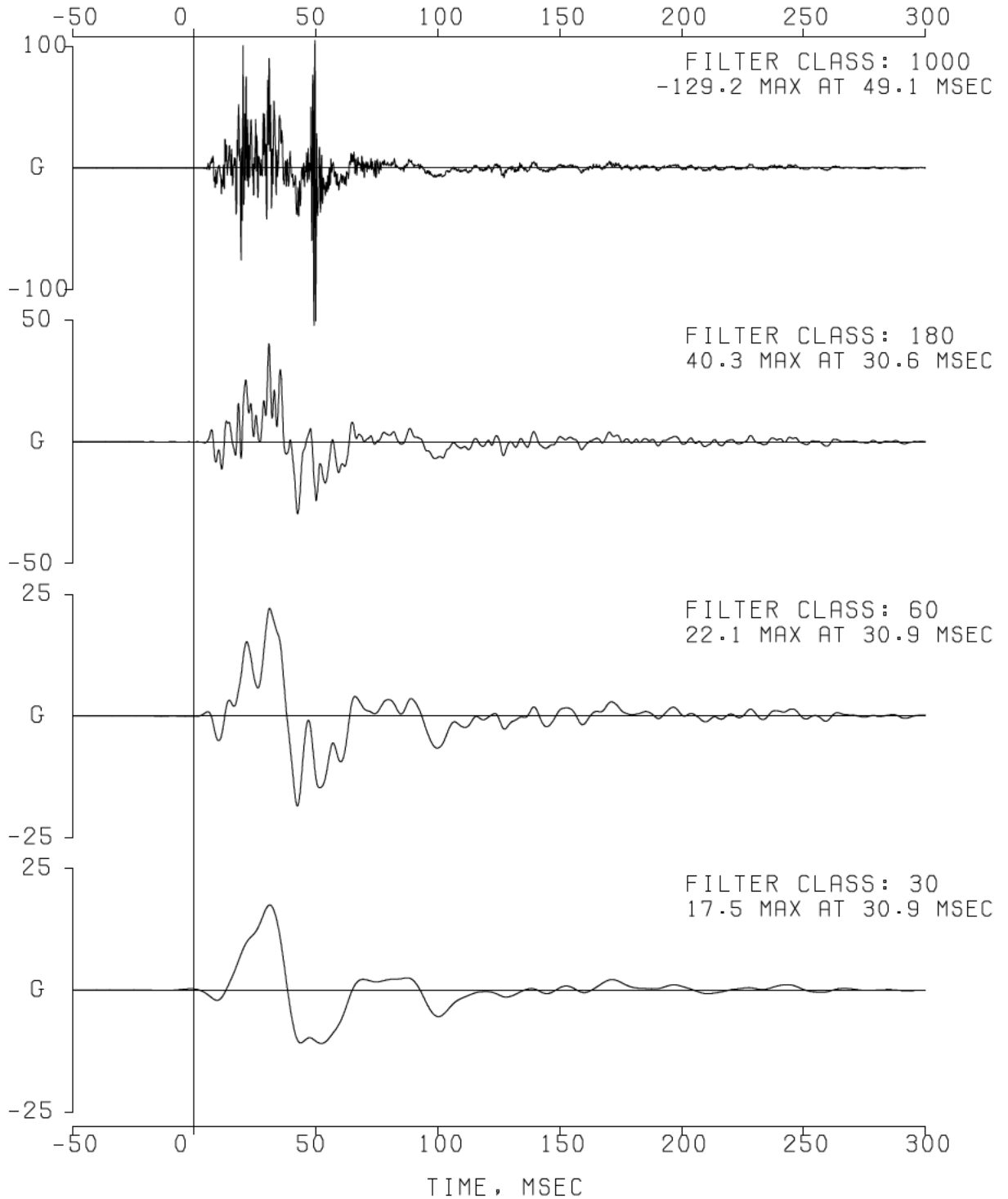
DATA SET 06/16/04BG
 ERRATA 1



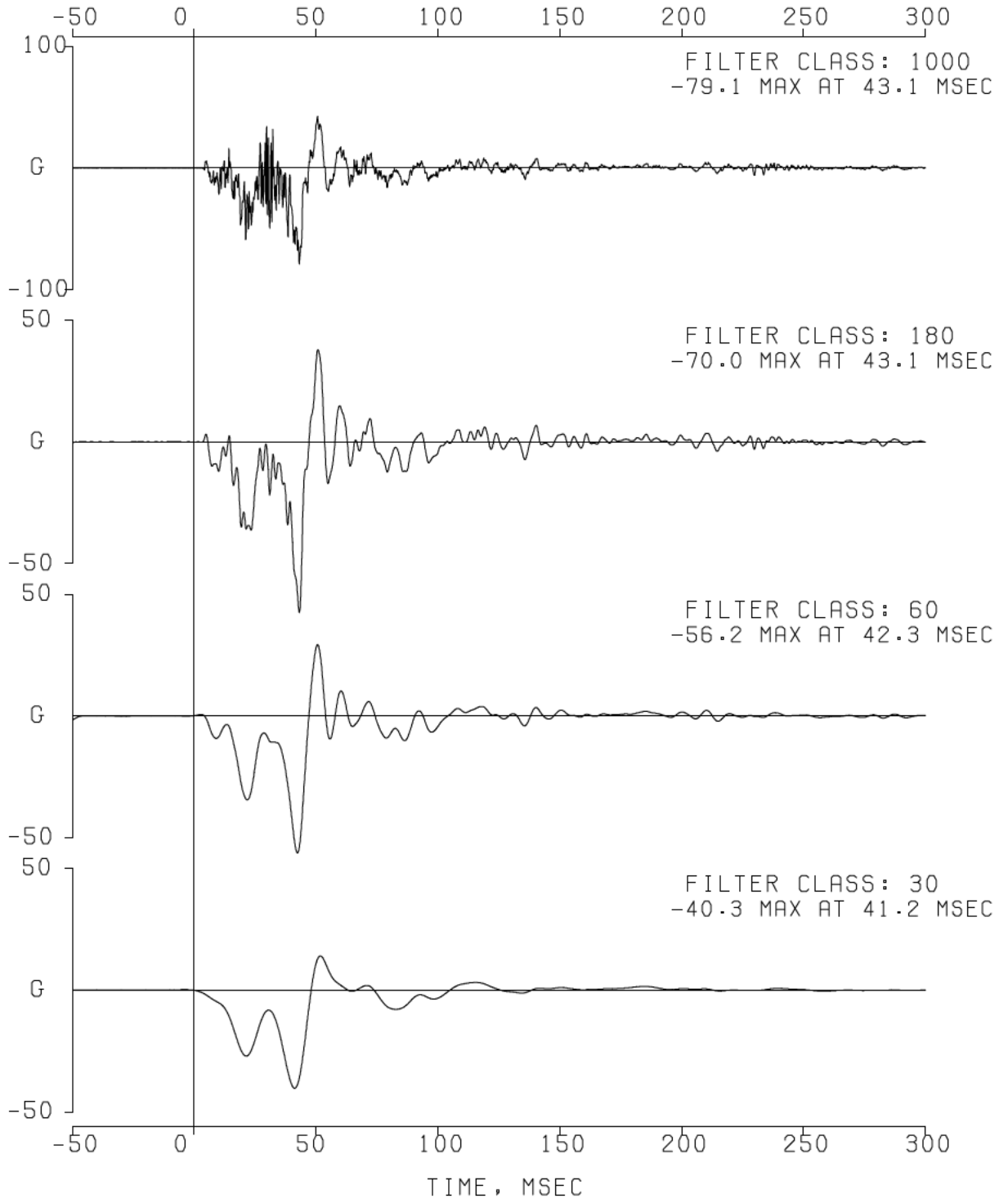
***** CAUTION *****
 ***** LT REAR SILL X, INST. MALFUNCTION AFTER 35.0 MS *****

COMPUTED KPH
 COMPUTED CM

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 006 LEFT REAR SILL Z P18599
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1



VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 007 RIGHT REAR SILL X P21333
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1

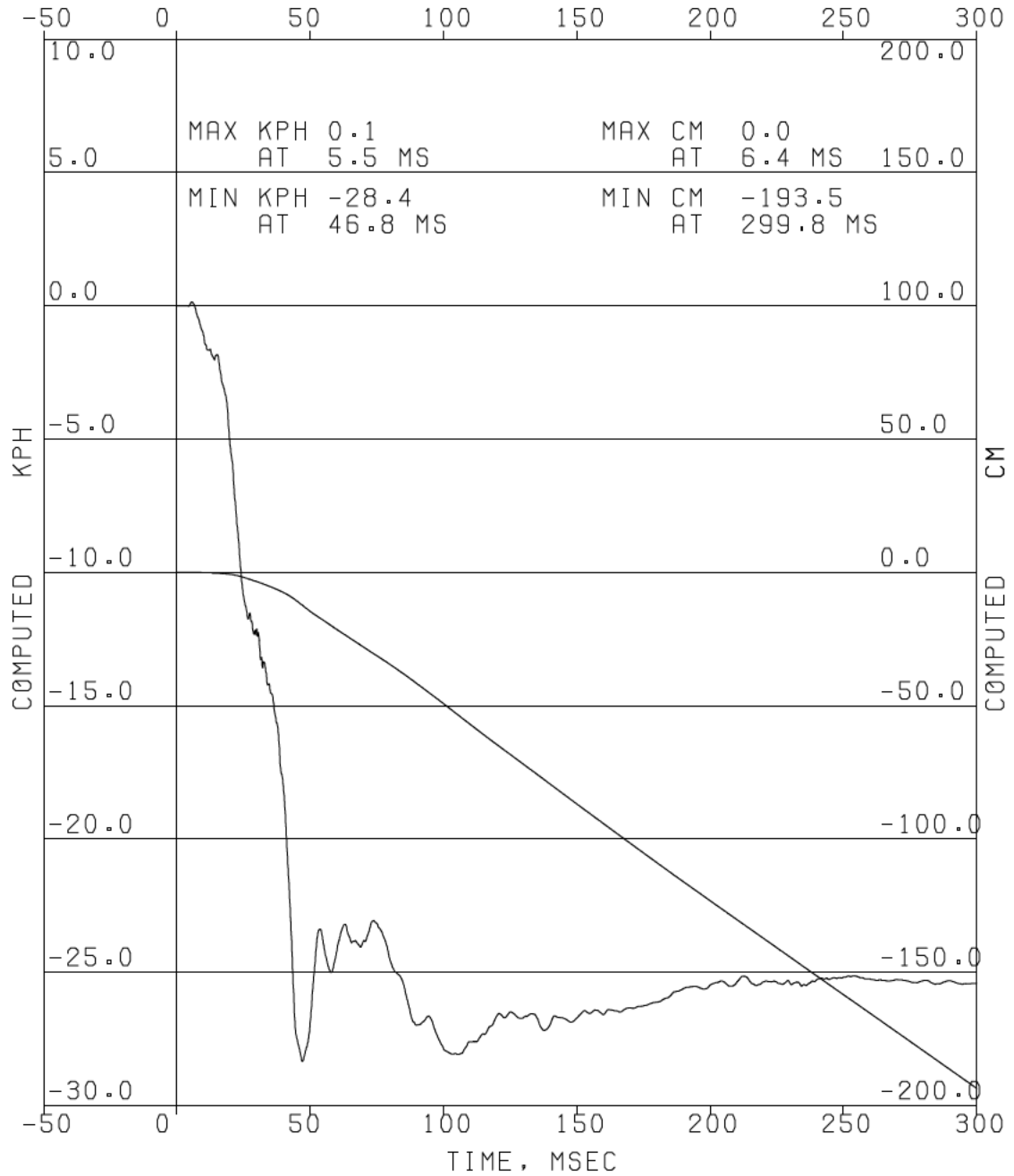


VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 007 RIGHT REAR SILL X P21333

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

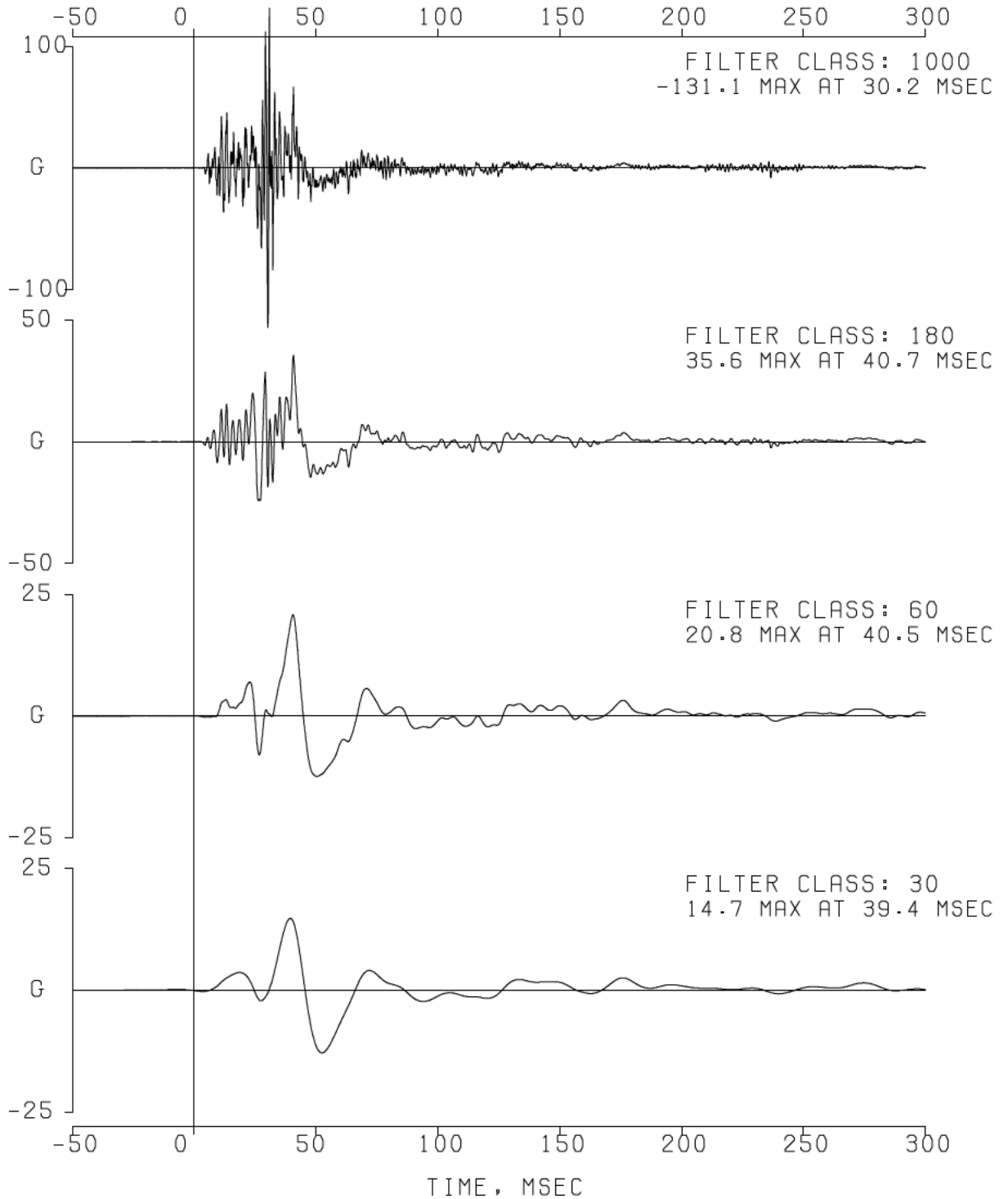
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/16/04BG
ERRATA 1



COMPUTED KPH
COMPUTED CM

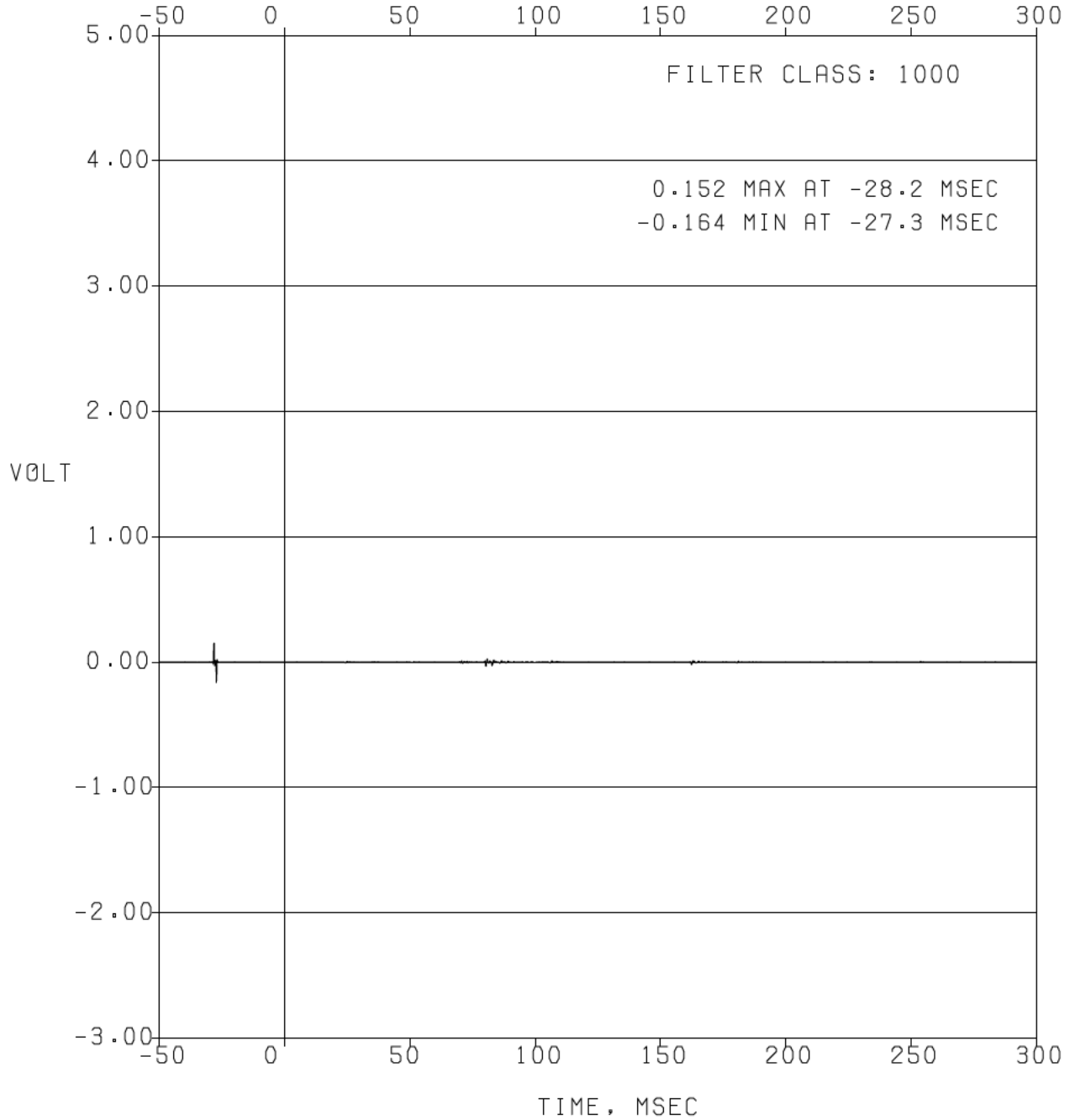
VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 008 RIGHT REAR SILL Z P24013
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1



VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST

CHANNEL 009 PASS 1 SQUIB EVENT EE

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1

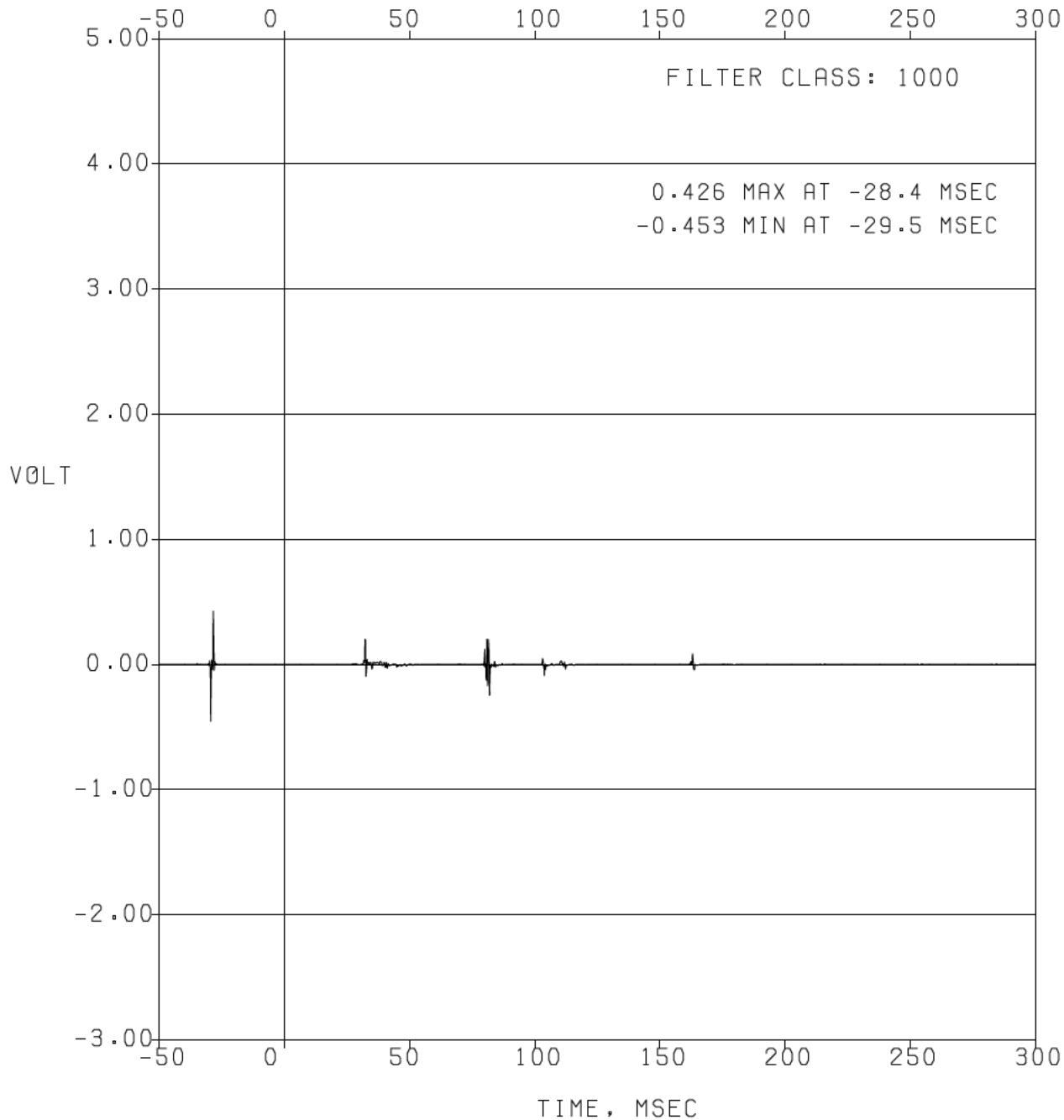


***** NOTE *****
***** NO EVENT *****

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST

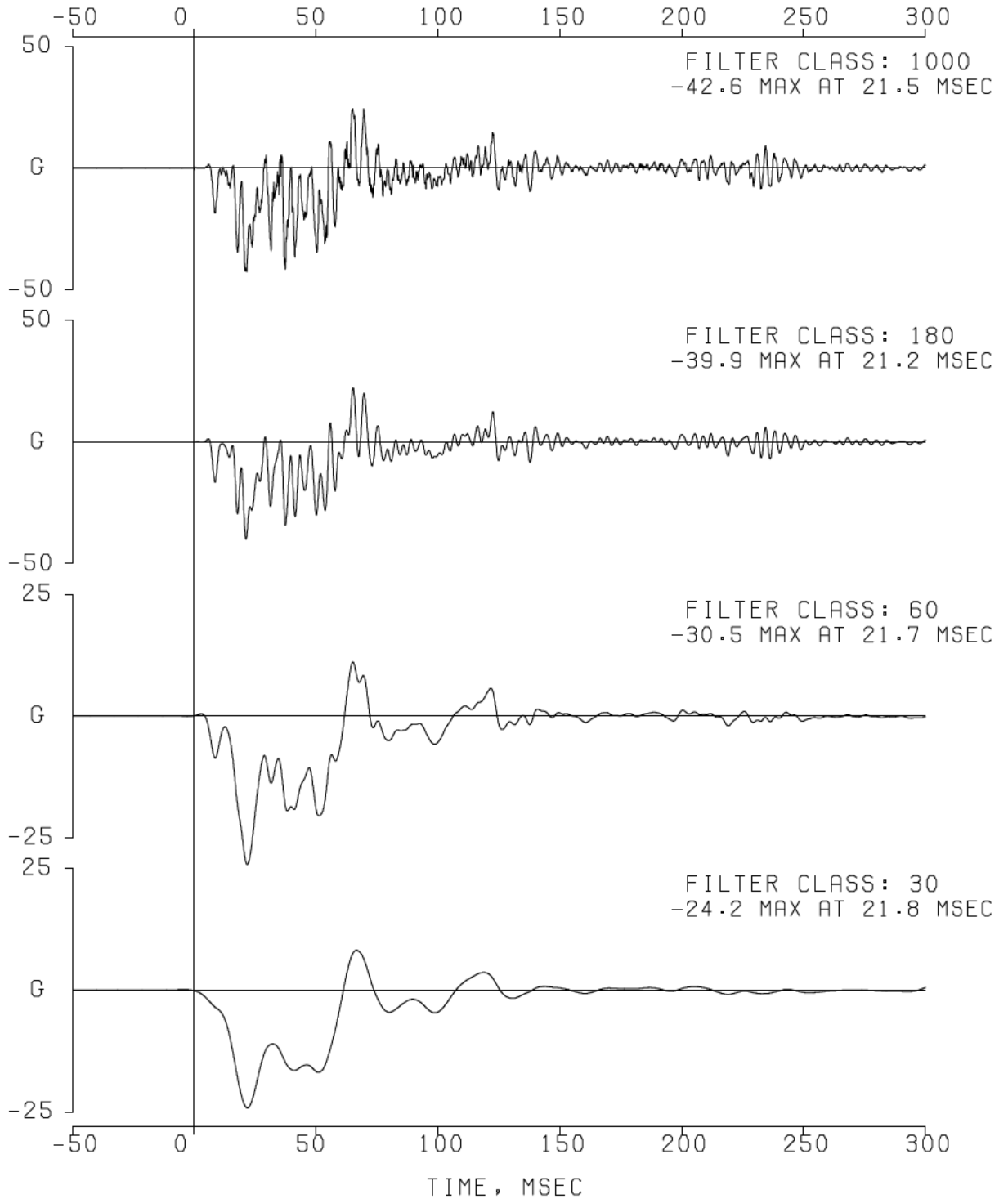
CHANNEL 010 DR 1 SQUIB EVENT EE

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1



***** NOTE *****
***** NO EVENT *****

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 011 AECM MODULE X P14926
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1

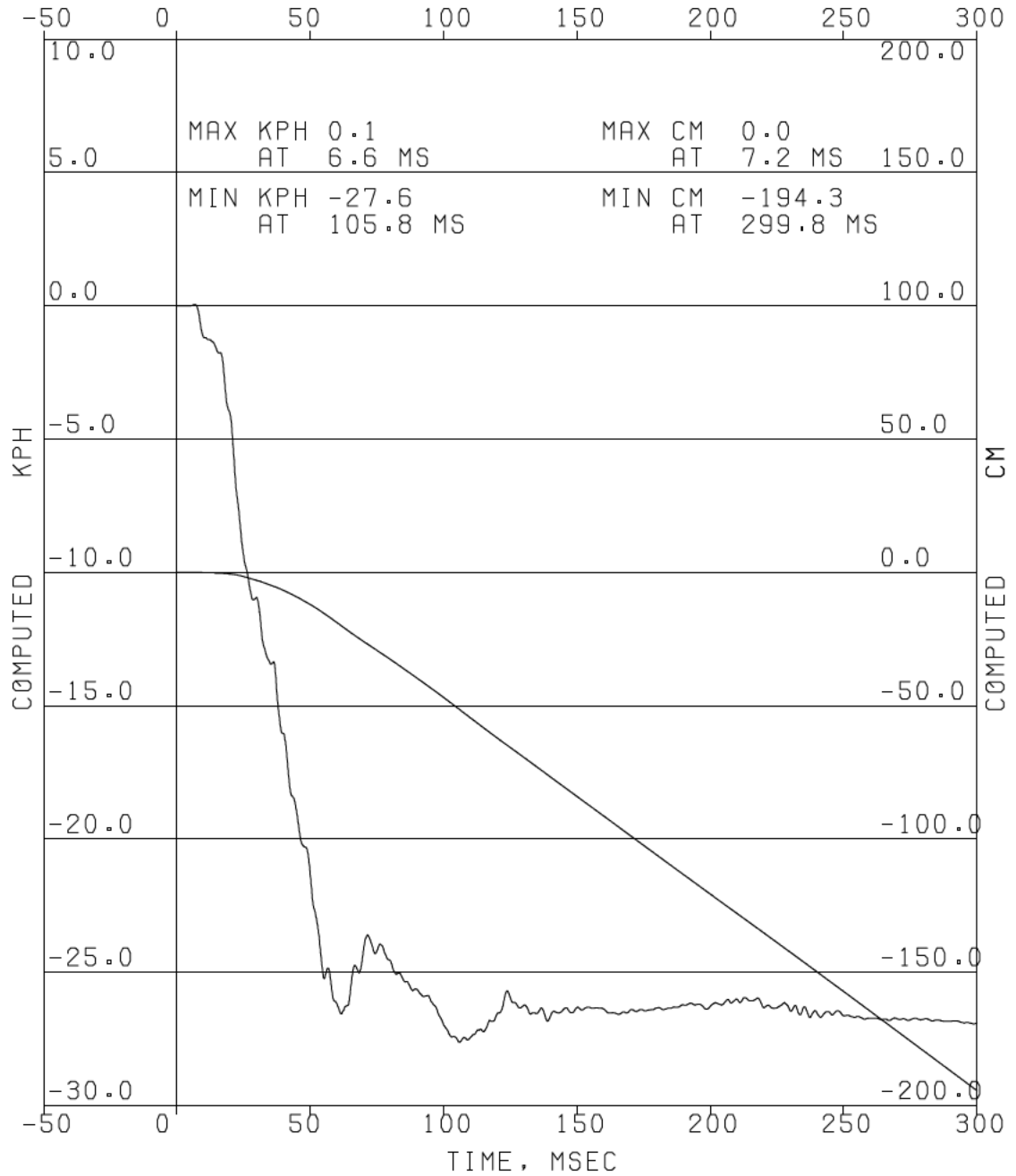


VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 011 AECM MODULE X P14926

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

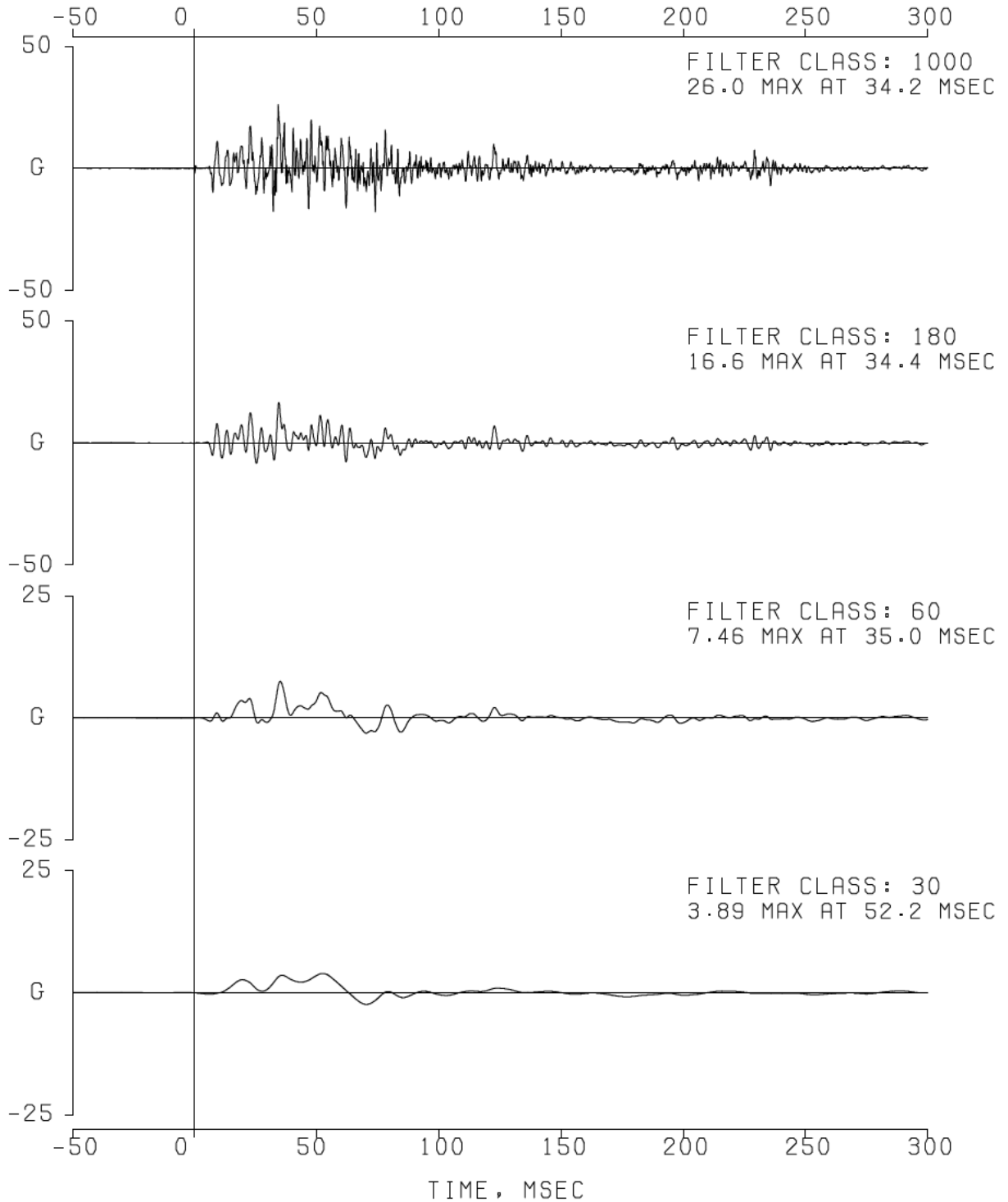
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/16/04BG
ERRATA 1

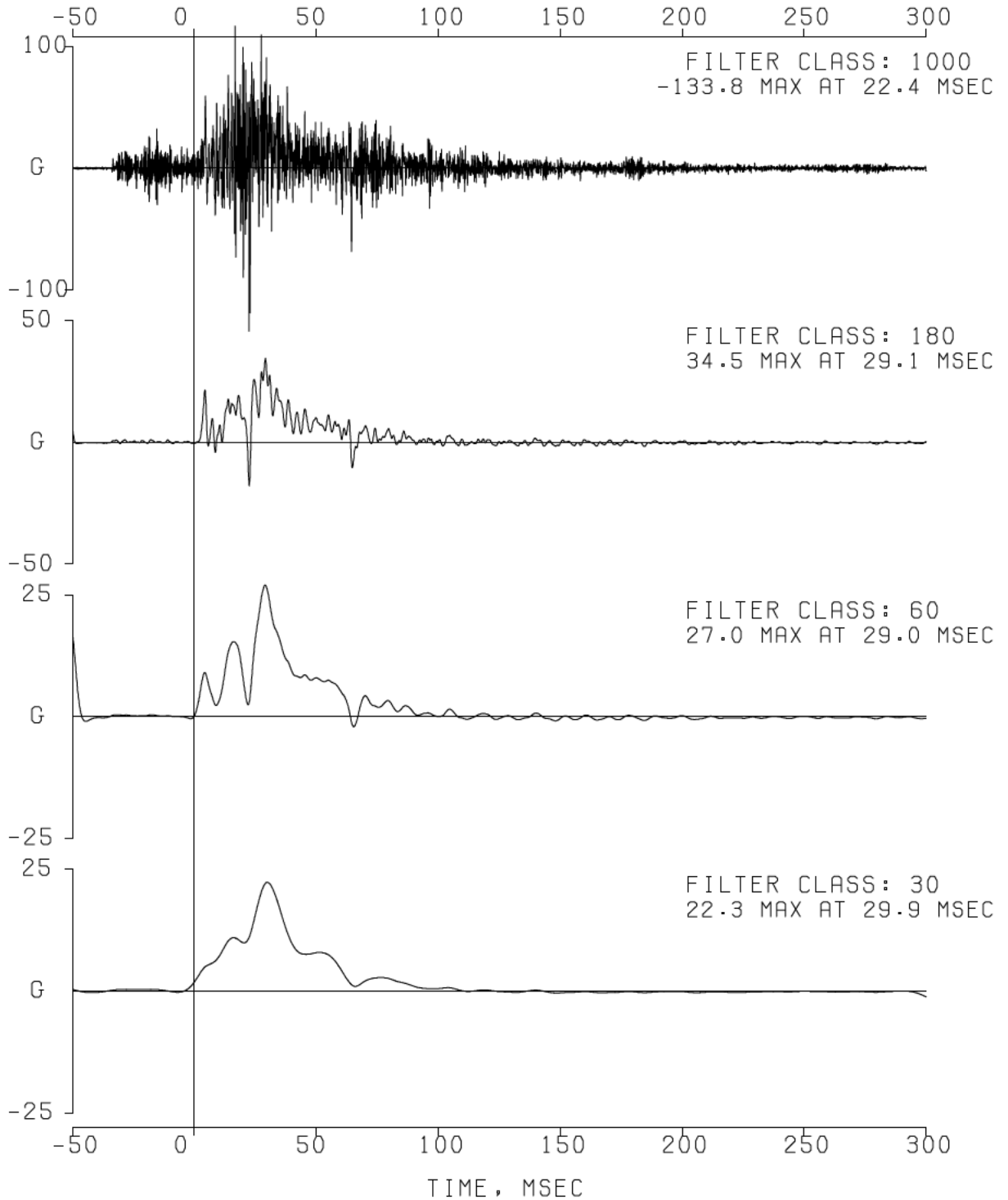


COMPUTED KPH
COMPUTED CM

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 012 AECM MODULE Y P17454
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BG
JUN 17,2004 ERRATA 1



VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 033 M-FLAT LT RAIL MID X ETBB765
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BI
JUN 17,2004 ERRATA 1

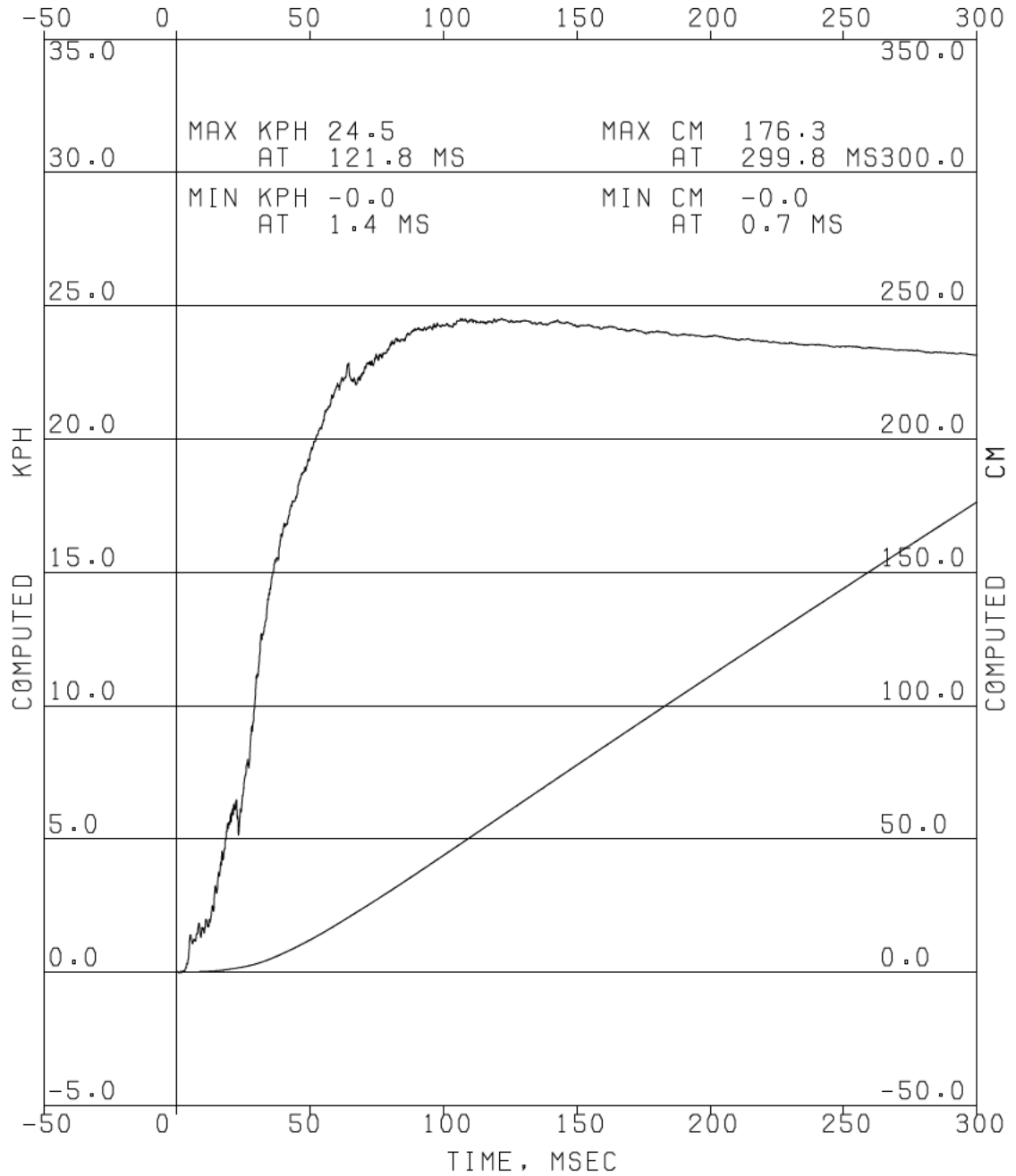


VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 033 M-FLAT LT RAIL MID X ETBB765

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

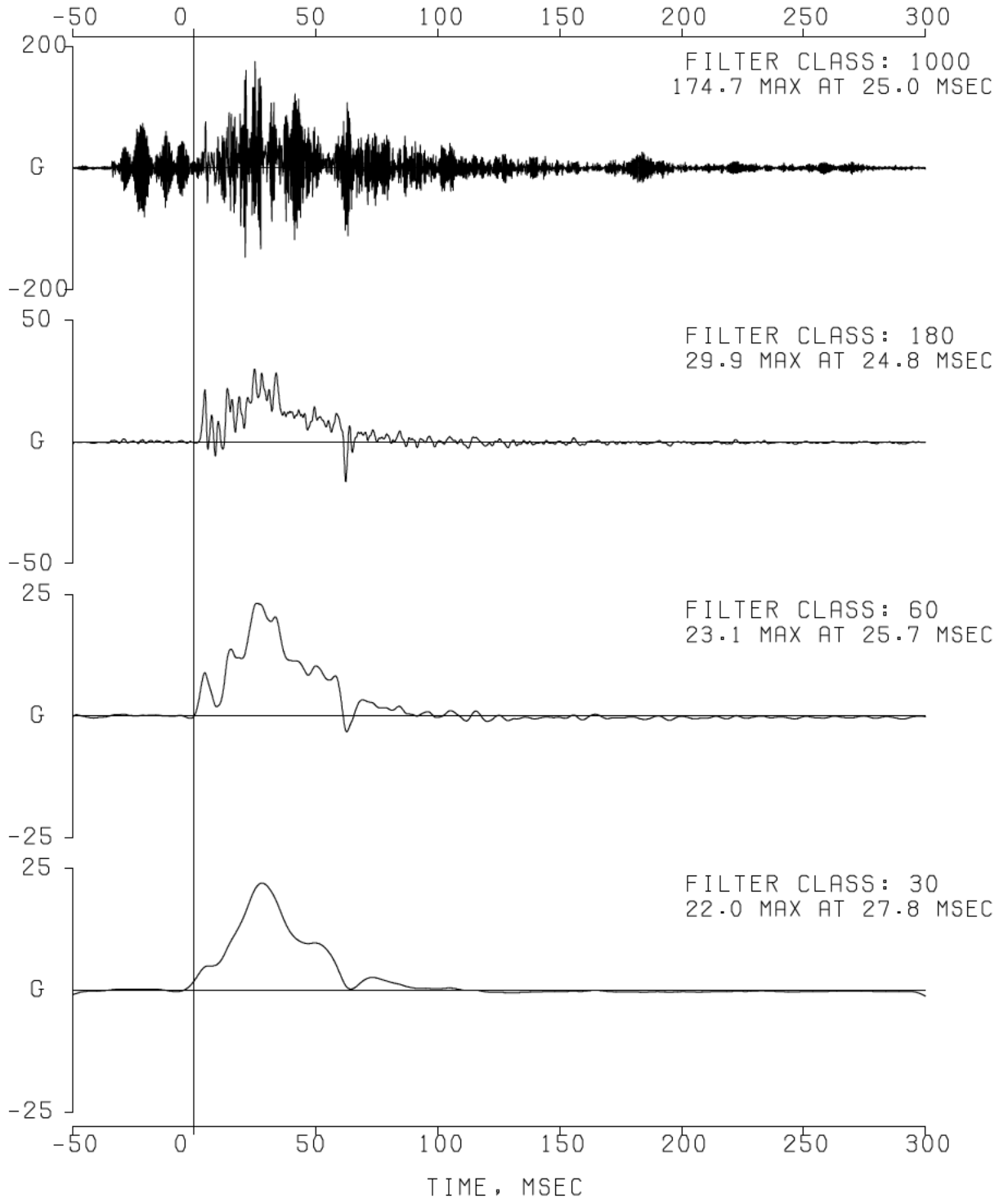
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/16/04BI
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 034 M-FLAT RT RAIL MID X ETBB316
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/16/04BI
JUN 17,2004 ERRATA 1

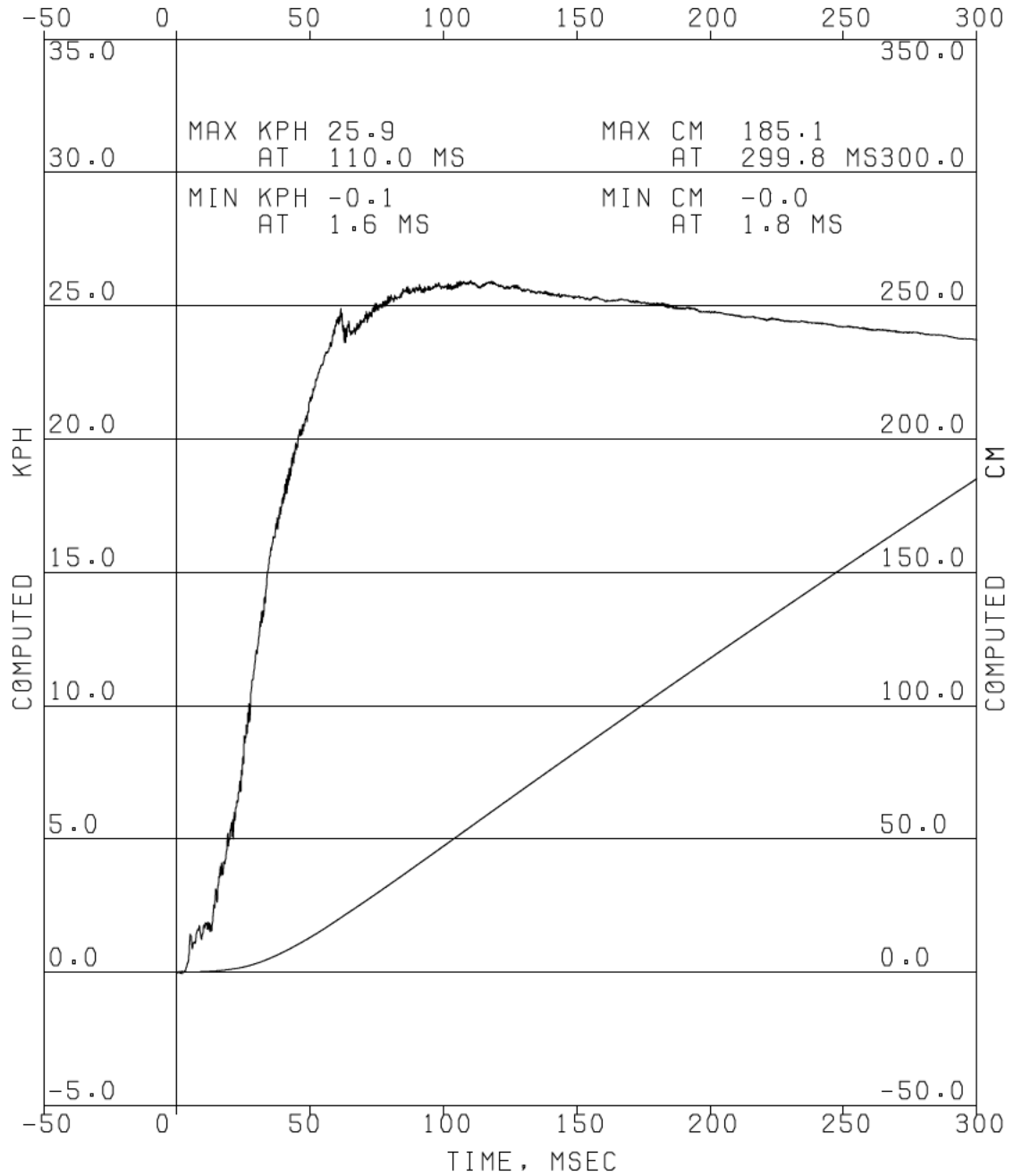


VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 034 M-FLAT RT RAIL MID X ETBB316

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JUN 17,2004

DATA SET 06/16/04BI
ERRATA 1



COMPUTED KPH
COMPUTED CM

TITLE: Page Index of EDP plots	Pages	001 - 027	
***** VC11792A *****			Page I-01
TITLE: Transducer Summary Reports	Pages	001 - 003	
SYSTEM: METRIC			
PAGE: 001	TSR Channels	001 - 008	
PAGE: 002	TSR Channels	009 - 016	
PAGE: 003	TSR Channels	033 - 034	
***** VC11792B *****			
TITLE: Vehicle Channels	Pages	004 - 027	
SYSTEM: METRIC			
PAGE: 004	Average of Sill Chls 1, 3, 5, & 7		
PAGE: 005	Average of Frt Sill Chls 1 & 3		
PAGE: 006	LEFT FRONT SILL X, Chl 1		
PAGE: 007	LEFT FRONT SILL X, Chl 1, VD		
PAGE: 008	LEFT FRONT SILL Z, Chl 2		
PAGE: 009	RIGHT FRONT SILL X, Chl 3		
PAGE: 010	RIGHT FRONT SILL X, Chl 3, VD		
PAGE: 011	RIGHT FRONT SILL Z, Chl 4		
PAGE: 012	LEFT REAR SILL X, Chl 5		*C*
PAGE: 013	LEFT REAR SILL X, Chl 5, VD		*C*
PAGE: 014	LEFT REAR SILL Z, Chl 6		
PAGE: 015	RIGHT REAR SILL X, Chl 7		
PAGE: 016	RIGHT REAR SILL X, Chl 7, VD		
PAGE: 017	RIGHT REAR SILL Z, Chl 8		
PAGE: 018	PASS 1 SQUIB EVENT, Chl 9, Event		*N*
PAGE: 019	DR 1 SQUIB EVENT, Chl 10, Event		*N*
PAGE: 020	AECM MODULE X, Chl 11		
PAGE: 021	AECM MODULE X, Chl 11, VD		
PAGE: 022	AECM MODULE Y, Chl 12		
PAGE: 023	AECM MODULE Z, Chl 13		
PAGE: 024	M-FLAT LT RAIL MID X, Chl 33		
PAGE: 025	M-FLAT LT RAIL MID X, Chl 33, VD		
PAGE: 026	M-FLAT RT RAIL MID X, Chl 34		
PAGE: 027	M-FLAT RT RAIL MID X, Chl 34, VD		

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/16/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; NONE
BODY; 78
ENGINE; ERH
ENGINE NOTE;
TRANSMISSION; DG6
TRANS. NOTE;
VIN AS TESTED; 1J4FA49S75P [REDACTED]
VIN AS BUILT; 1J4FA49S75P [REDACTED]

TEST SPEED 48.63 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 1962.27 TOTAL, 980.68 FRONT, 981.59 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-50
RESTRAINT- A/B + UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-644
RESTRAINT- A/B + UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005MY TJ-D S1 LEVEL BUILT AT TAP.
MODIFIED BUILD:
MODIFIED EMD BUILD:
2005MY FUEL TANK, Z-PSO LEVEL - 52059616AE2005MY F
UEL LINE CHASSIS BUNDLE, S2 LEVEL - 52059587AC

TARGET WEIGHT(KG) 1963.7 TOTAL, 922.9 FRONT, 1040.8 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.5 LITRES STODDARD SOLVENT
50LBS ON 1L FLOOR; 75LBS ON 1R FLOOR
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 02

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/16/04
TEST SITE CPG

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

DISTRIBUTION M. STEBELTON 422-05-01 (AB)
 M. COPPOLA 514-17-39 (AB)

DATE 06/16/04 TIME 11:37:01.



vc 11792 post

EA12-005 Peer - Chrysler - 07531

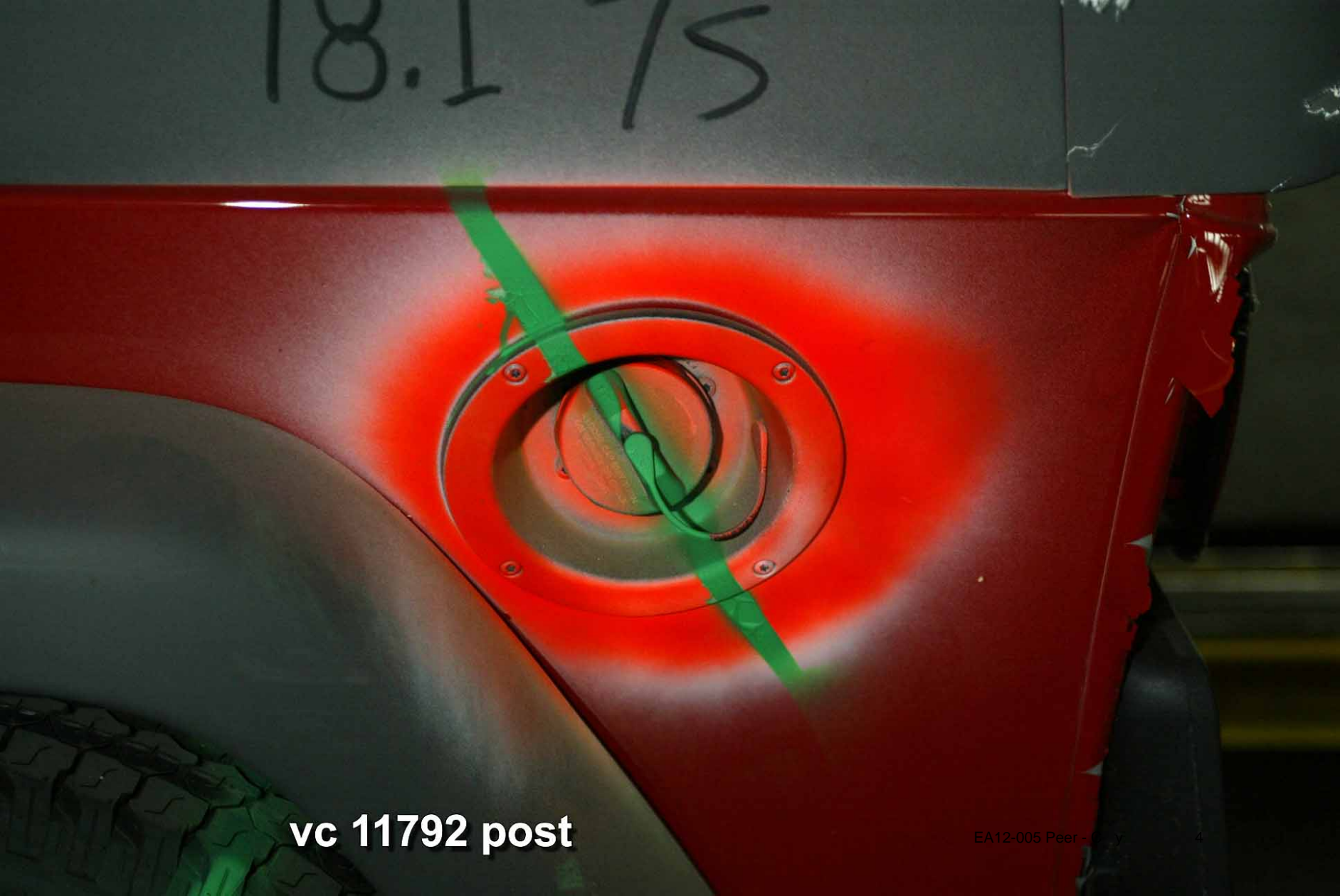


FA12-005 Peer Review Ser# 07532
vc 11792 post



vc 11792 post

18.1 75



vc 11792 post



VC11792 Pre

EA12-005 Peer - Chrysler - 07535



VC11792 Pre

EA 1005 Peer - Chrysler - 07536



VC11792 Pre

EA12-005 Peer - Chrysler - 07537



VC11792 Pre

EA12-005 Peer - Chrysler - 07538

18.1 S/S



vc 11792 pre

© A12-005 Peer - Chrysler - 07539



TJJ7155

11792

EA12-005 Rear - Chrysler 707440

VE 11792 pre



TJJ7155

DAMAGE CHECK COMPLETE

11792

18.1 5/5

Do NOT Remove

Do NOT Remove

vc 11792 pre

DATE 06/17/04
TIME 13:12:24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11792 ITEM TJJ7155
VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/16/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; NONE
BODY; 78
ENGINE; ERH
ENGINE NOTE;
TRANSMISSION; DG6
TRANS. NOTE;
VIN AS TESTED; 1J4FA49S75P [REDACTED]
VIN AS BUILT; 1J4FA49S75P [REDACTED]

TEST SPEED 48.63 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 1962.27 TOTAL, 980.68 FRONT, 981.59 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-50
RESTRAINT- A/B + UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-644
RESTRAINT- A/B + UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005MY TJ-D S1 LEVEL BUILT AT TAP.
MODIFIED BUILD:

MODIFIED EMD BUILD:
2005MY FUEL TANK, Z-PSO LEVEL - 52059616AE2005MY F
UEL LINE CHASSIS BUNDLE, S2 LEVEL - 52059587AC

TARGET WEIGHT(KG) 1963.7 TOTAL, 922.9 FRONT, 1040.8 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.5 LITRES STODDARD SOLVENT
50LBS ON 1L FLOOR; 75LBS ON 1R FLOOR
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 06/17/04
TIME 13:12:24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11792 ITEM TJJ7155
VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/16/04
TEST SITE CPG
EDP TECHNICIAN S. MARCHENIA

No. of Pages 27
CC

M. COPPOLA 514-17-39
M. STEBELTON 422-05-01

DATE 06/17/04
TIME 13:12:51.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST

TEST DATE 06/16/04 SPEED 48.6 TEST WT 1962.2

LIBRARY VC11792

Errata # 1 Data Set 06/16/04BG CHL001-016 30.2 REAR VC11792E

Errata # 1 Data Set 06/16/04BH CHL017-032 30.2 REAR VC11792E

The data is displayed in the Metric system of Units (G, CM, N, N-M, KPH, etc.)

CHL	TRANSDUCER LOCATION			1000	DCX	180	PH	AT	
				CFC	600	CFC	60		
			PEAK	PEAK	PEAK	PEAK	300MS		
1	LEFT FRONT SILL	X	P28668	-38.5	-30.1	-26.4	-23.7	-26.7	KPH
2	LEFT FRONT SILL	Z	P27665	-31.9	-26.6	-20.0	-16.0	-1.0	KPH
3	RIGHT FRONT SILL	X	P23168	-35.3	-34.2	-30.7	-28.3	-24.5	KPH
4	RIGHT FRONT SILL	Z	P15196	-42.8	-32.3	-18.4	-13.9	1.2	KPH
5	LEFT REAR SILL	X	P23321	-65.5	-52.7	-36.2	-27.1	G	KPH*
6	LEFT REAR SILL	Z	P18599	-129.2	-81.0	40.3	22.1	1.3	KPH
7	RIGHT REAR SILL	X	P21333	-79.1	-77.0	-70.0	-56.2	-25.4	KPH
8	RIGHT REAR SILL	Z	P24013	-131.1	-126.7	35.6	20.8	3.5	KPH
9	PASS 1 SQUIB EVENT	EE		-0.2	VOLT				*
10	DR 1 SQUIB EVENT	EE		-0.5	VOLT				*
11	AECM MODULE	X	P14926	-42.6	-42.1	-39.9	-30.5	-26.9	KPH
12	AECM MODULE	Y	P17454	26.0	23.2	16.6	7.5	2.2	KPH
13	AECM MODULE	Z	P16669	-40.5	-35.5	-27.4	-23.1	-3.5	KPH
33	M-FLAT LT RAIL MID	X	ETBB765		68.5		27.0	23.2	KPH
34	M-FLAT RT RAIL MID	X	ETBB316		69.6		23.1	23.7	KPH

Multi-Channel Plot data

CHLS N 1 3 & 5 7 CL PH60 AVERAGE OF FRT SILL -222.3G AT .3 MS
CHLS & 1 3 CL PH60 AVERAGE OF FRT SILL -221.8G AT .2 MS

* - See Notes & Comments page

DATE 06/17/04
TIME 13:12:51.

TEST VALUES
NOTES & COMMENTS

SAFETY TEST
DEPT 5320

VC11792 48.0 KPH REAR REAR TYPE IV ITEM TJJ7155
05 TJ, USA 301-REAR COMPLIANCE TEST

LIBRARY VC11792

Errata # 1 Data Set 06/16/04BG CHL001-016 30.2 REAR VC11792E
Errata # 1 Data Set 06/16/04BH CHL017-032 30.2 REAR VC11792E

CHL 5 *C* ***** LT REAR SILL X, INST. MALFUNCTION AFTER 35.0 MS *****

CHL 9 *N* ***** NO EVENT *****

CHL 10 *N* ***** NO EVENT *****

MULTI-CHANNEL PLOT NOTE FOR CHLS 1 3 5 7

C ***** LT REAR SILL X, INST. MALFUNCTION AFTER 35.0 MS *****

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

1997 - 2006 Wrangler (TJ)

Compliance

VC11829

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC11829, ITEM NUMBER TJJ7152, TEST ENGINEER BOLANIS

V.I.N. 1J4FA49S15P [REDACTED] TEST DATE 06/25/04 ROLL DATE 06/28/04

TEST TYPE; 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 18.1 GALLONS

TEST SPEED 30.2 MPH, TEST WEIGHT 4171 POUNDS.

POST IMPACT LEAKAGE (OZ); AT IMPACT Ø

1ST 5 MIN. Ø

NEXT 25 MIN. Ø

POST TEST PRESSURE CHECK NA

ELECTRIC FUEL PUMP RUN NA

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE Left SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME					TOTAL
0-90	1ST 5 MIN				Ø *
1:41	POST 5 MIN				Ø **
90-180	1ST 5 MIN				Ø *
1:45	POST 5 MIN				Ø **
180-270	1ST 5 MIN				Ø *
1:31	POST 5 MIN				Ø **
270-360	1ST 5 MIN				Ø *
1:28	POST 5 MIN				Ø **

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS _____

VEHICLE ATTITUDE

TEST NUMBER VC11829

TEST ENGINEER BOLANIS

ITEM NUMBER TJJ7152

 X FENDER/WHEELWELL HEIGHTS SILL HEIGHTS

	LF	LR	RF	RR
AS RECEIVED	32.4	33.7	31.4	33.1
AS BUILT-UP				
AS TESTED	31.1	32.4	30.7	32.2

Test VC11829

Last Requester Update
Last Check

06/25/2004 10:10:46 AM EDT
6/25/2004 10:25:06 AM

VC11829 30.0 MPH REAR FULL ITEM TJJ7152 05 TJ, USA 301-REAR COMPLIANCE TEST TEST DATE 06/25/2004

Analysis	Camera	Lens	Sync	F Stop	HGacq	Pnl	Clb	Skt
1 <input type="checkbox"/>	CATWALK OVERALL							
	1	HG2000 ZOOM mm #7 CAN	<input type="checkbox"/>		250			
2 <input type="checkbox"/>	LEFT OVERALL							
	6	HG2000 ZOOM mm #11 CAN	<input type="checkbox"/>		250			
3 <input type="checkbox"/>	LEFT FUEL FILL AREA							
	16	HG2000 ZOOM mm #4 CAN	<input type="checkbox"/>		250			
4 <input type="checkbox"/>	PIT FUEL TANK							
	7	HG2000 ZOOM mm #7 CAN	<input type="checkbox"/>		250			
5 <input type="checkbox"/>	PIT VEHICLE REAR							
	9	HG2000 13 mm 105441 KIN	<input type="checkbox"/>		250			
6 <input type="checkbox"/>	RIGHT OVERALL							
	10	HG2000 ZOOM mm #6 CAN	<input type="checkbox"/>		250			
7 <input checked="" type="checkbox"/>	VELOCITY							
	18	HG2000 ZOOM mm #8 CAN	<input type="checkbox"/>		250			VEL

In Addition to Default Print:

ORIGINAL ORDER

DATE 06/25/04
TIME 14:26:24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11829 ITEM TJJ7152
VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/25/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; NONE
BODY; 77
ENGINE; ERH
ENGINE NOTE;
TRANSMISSION; DG6
TRANS. NOTE;
VIN AS TESTED; 1J4FA49S15P [REDACTED]
VIN AS BUILT; 1J4FA49S15P [REDACTED]

TEST SPEED 48.63 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 1891.96 TOTAL, 936.68 FRONT, 955.28 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-60
RESTRAINT- A/B + UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-77
RESTRAINT- A/B + UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005MY TJ S1 LEVEL BUILT AT TAP.
MODIFIED BUILD:

MODIFIED EMD BUILD:
2005MY FUEL TANK, Z-PSO LEVEL - 52059616AE2005MY F
UEL LINE CHASSIS BUNDLE, S2 LEVEL - 52059587AC

TARGET WEIGHT(KG) 1895.6 TOTAL, 884.3 FRONT, 1011.3 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.5 LITRES STODDARD SOLVENT
150 LB ON FRONT FLOOR.
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 06/25/04
TIME 14:26:24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11829 ITEM TJJ7152
VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/25/04
TEST SITE CPG
EDP TECHNICIAN S. MARCHENIA

No. of Pages 27
CC

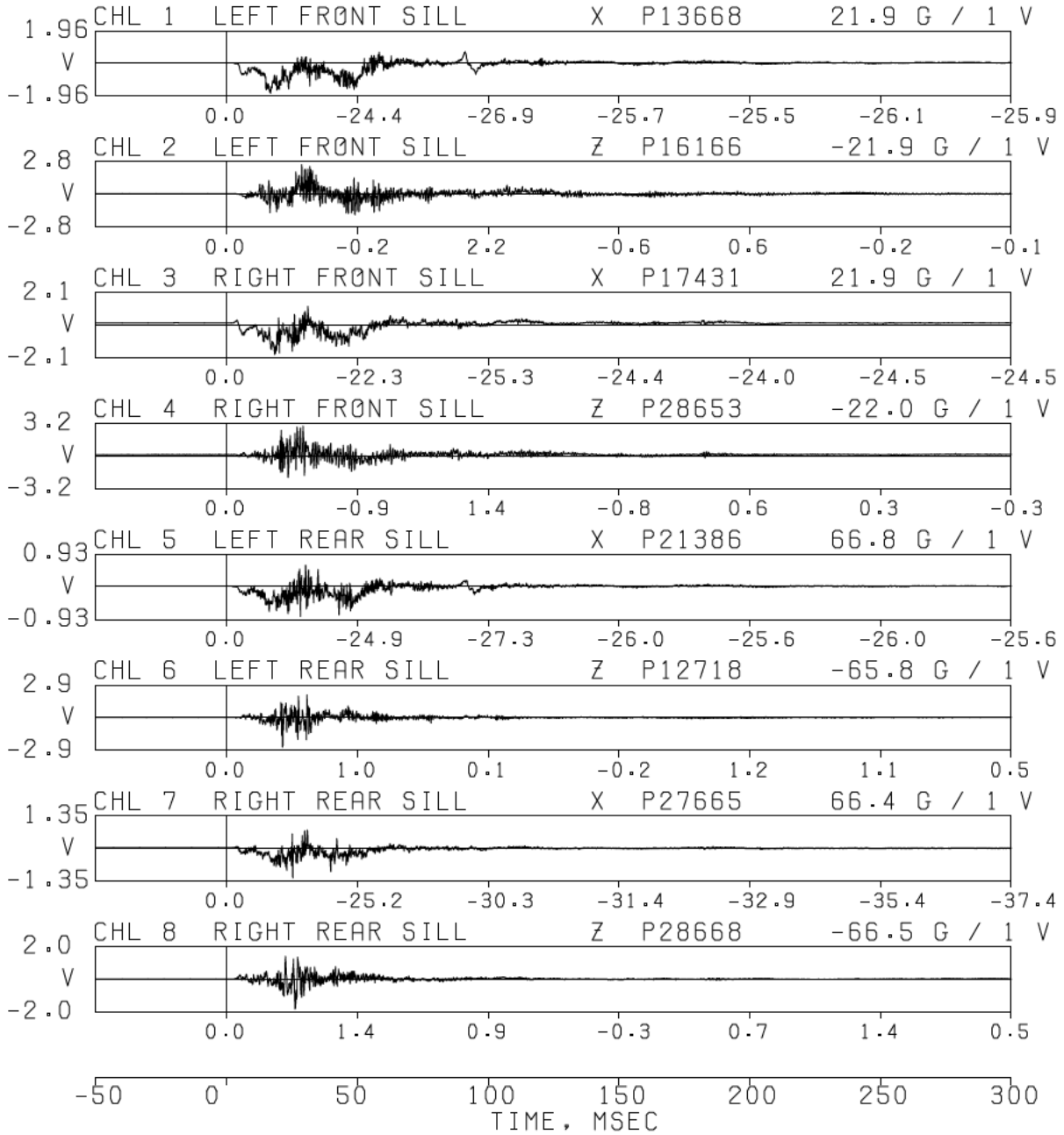
M. COPPOLA 514-17-39
M. STEBELTON 422-05-01

TRANSDUCER SUMMARY REPORT

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
 05 TJ, USA 301-REAR COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 JUN 25, 2004

DATA SET 06/25/04BF
 ERRATA 1

-50 0 50 100 150 200 250 300



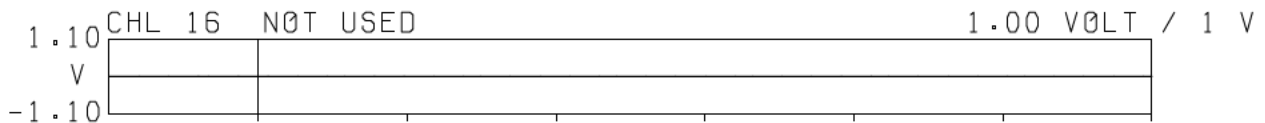
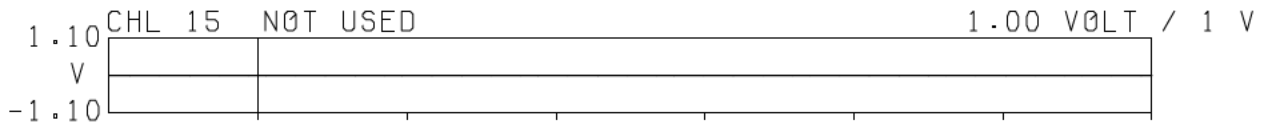
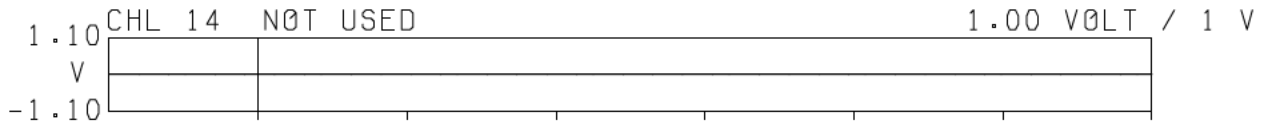
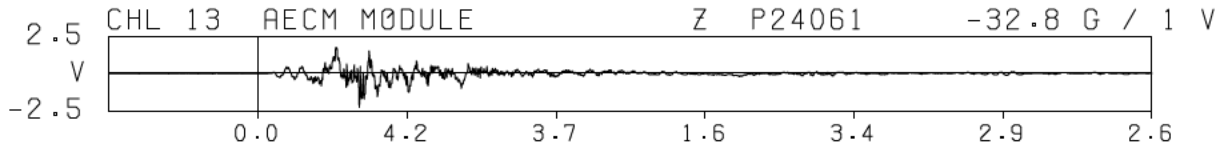
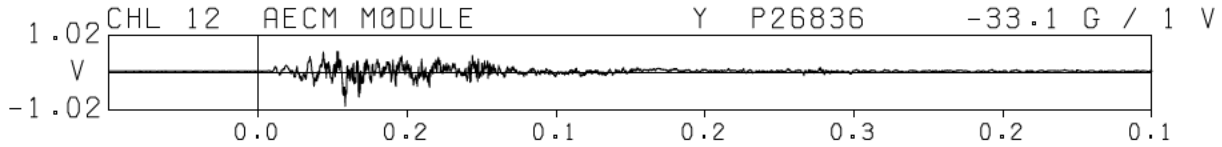
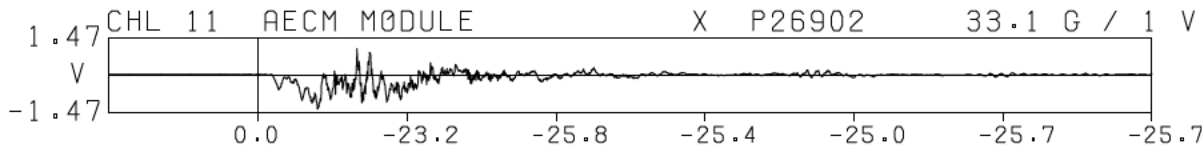
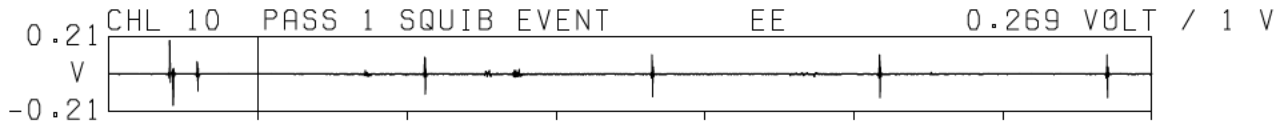
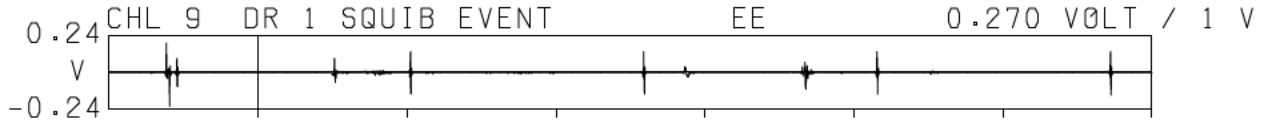
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
IMPACT ANALYSIS DEPT. 5320
JUN 25, 2004

DATA SET 06/25/04BF
ERRATA 1

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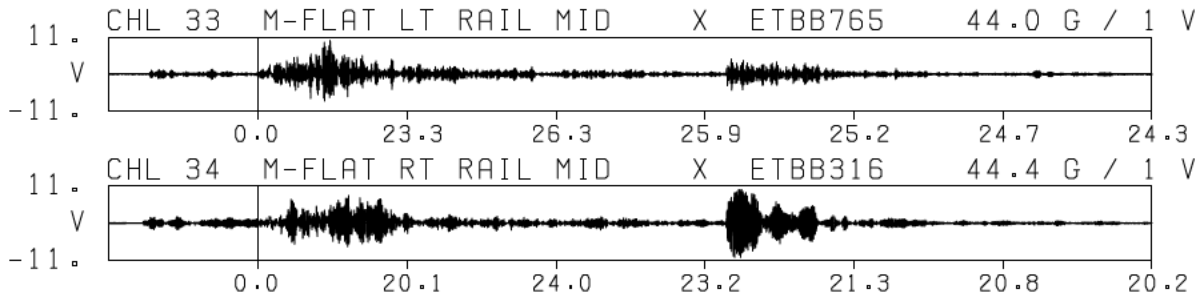
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TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT
 VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
 05 TJ, USA 301-REAR COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 JUN 25, 2004

DATA SET 06/25/04BH
 ERRATA 1

-50 0 50 100 150 200 250 300



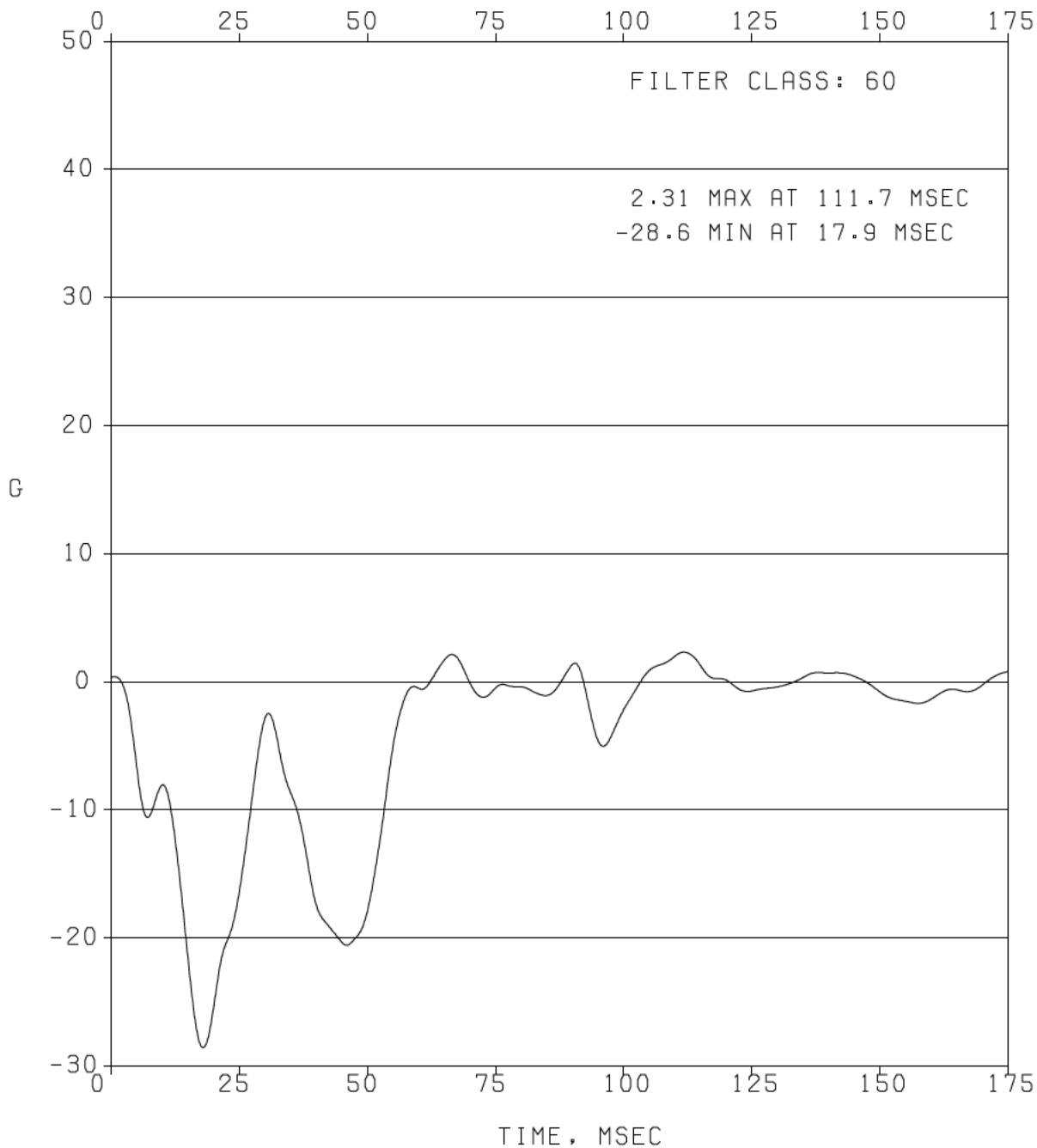
-50 0 50 100 150 200 250 300
 TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
AVERAGE OF

CHANNEL 001	LEFT FRONT SILL	X	P13668
CHANNEL 003	RIGHT FRONT SILL	X	P17431
CHANNEL 005	LEFT REAR SILL	X	P21386
CHANNEL 007	RIGHT REAR SILL	X	P27665

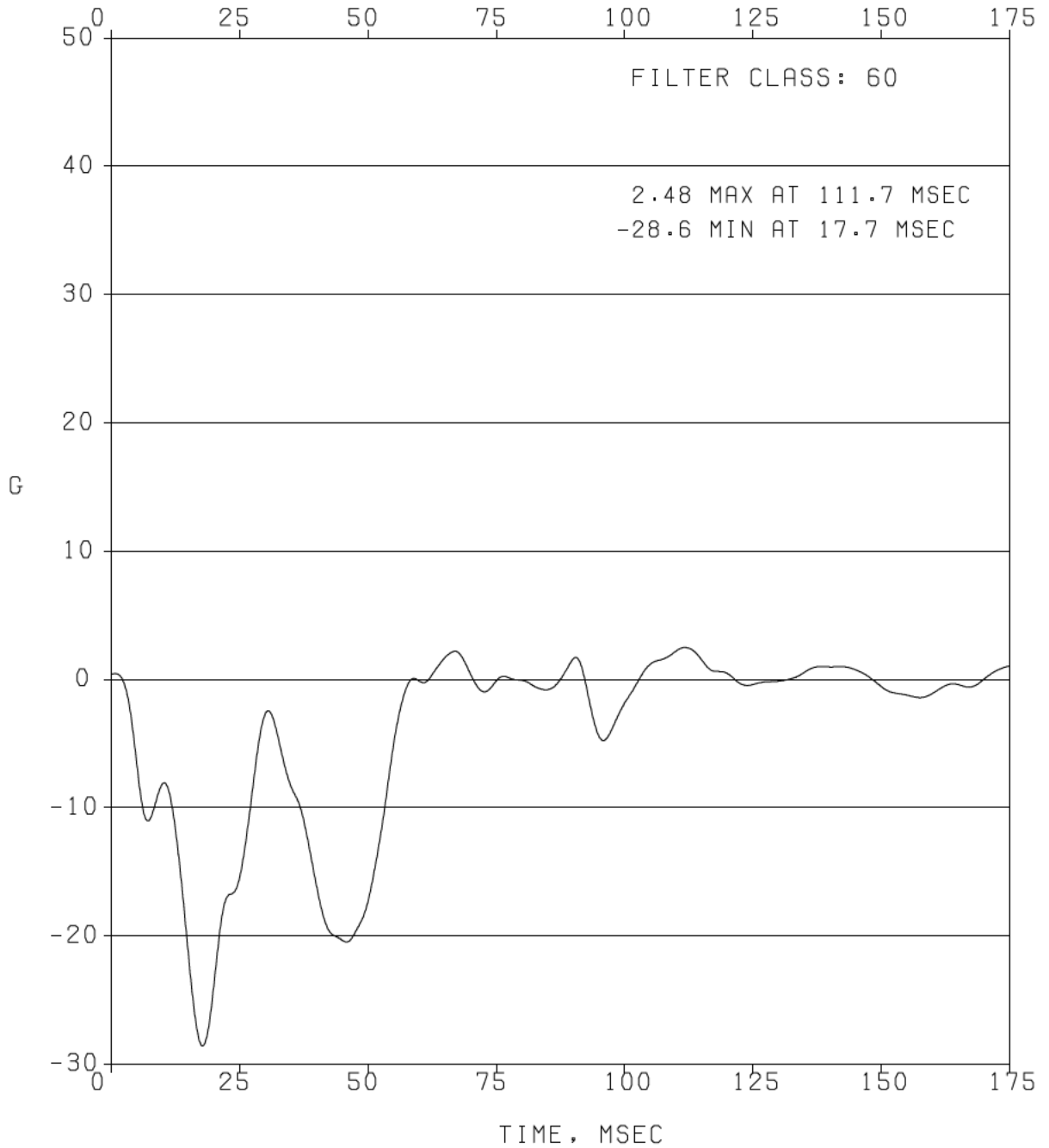
FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25, 2004 ERRATA 1



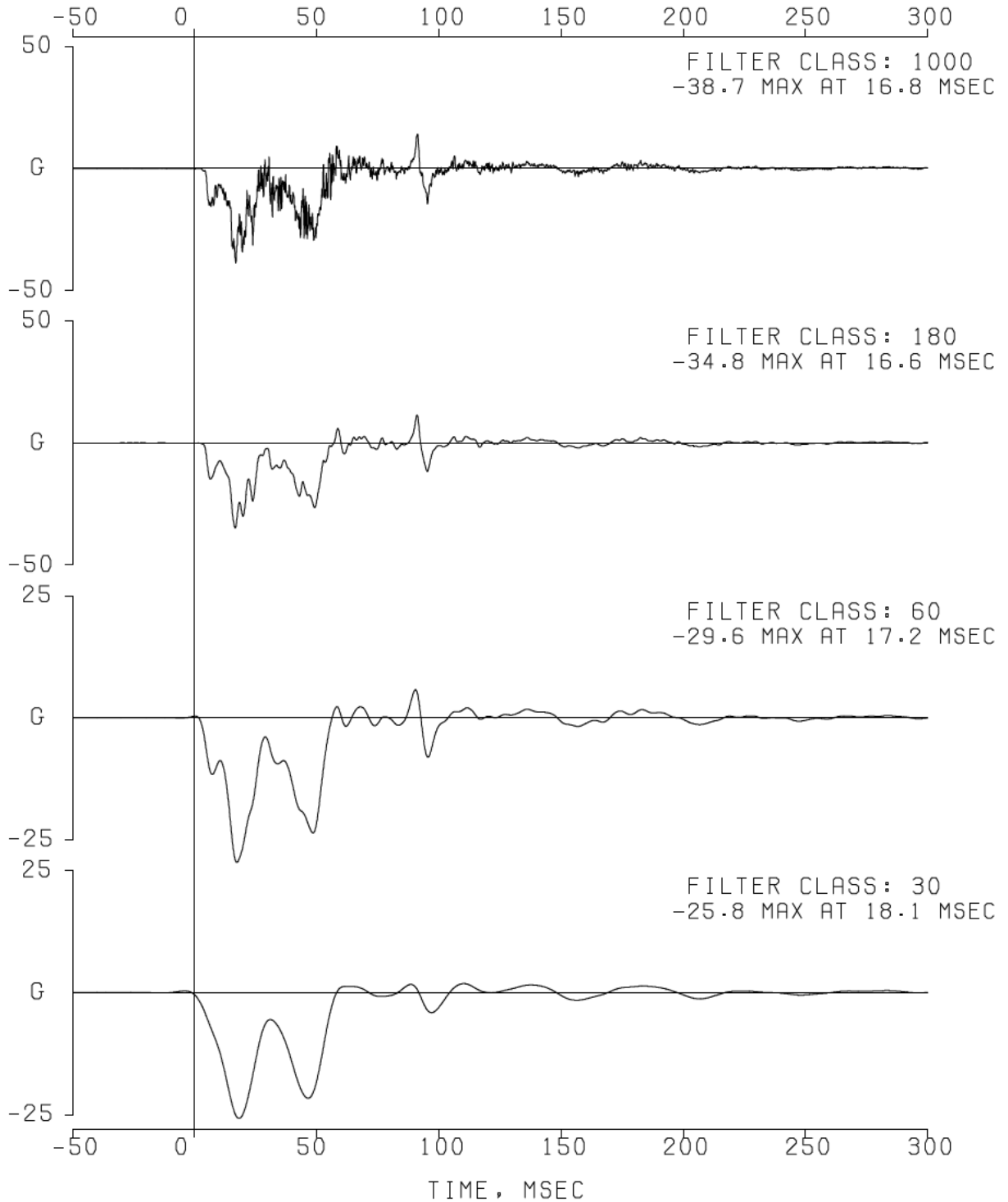
VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X P13668
CHANNEL 003 RIGHT FRONT SILL X P17431

FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25, 2004 ERRATA 1



VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P13668
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1

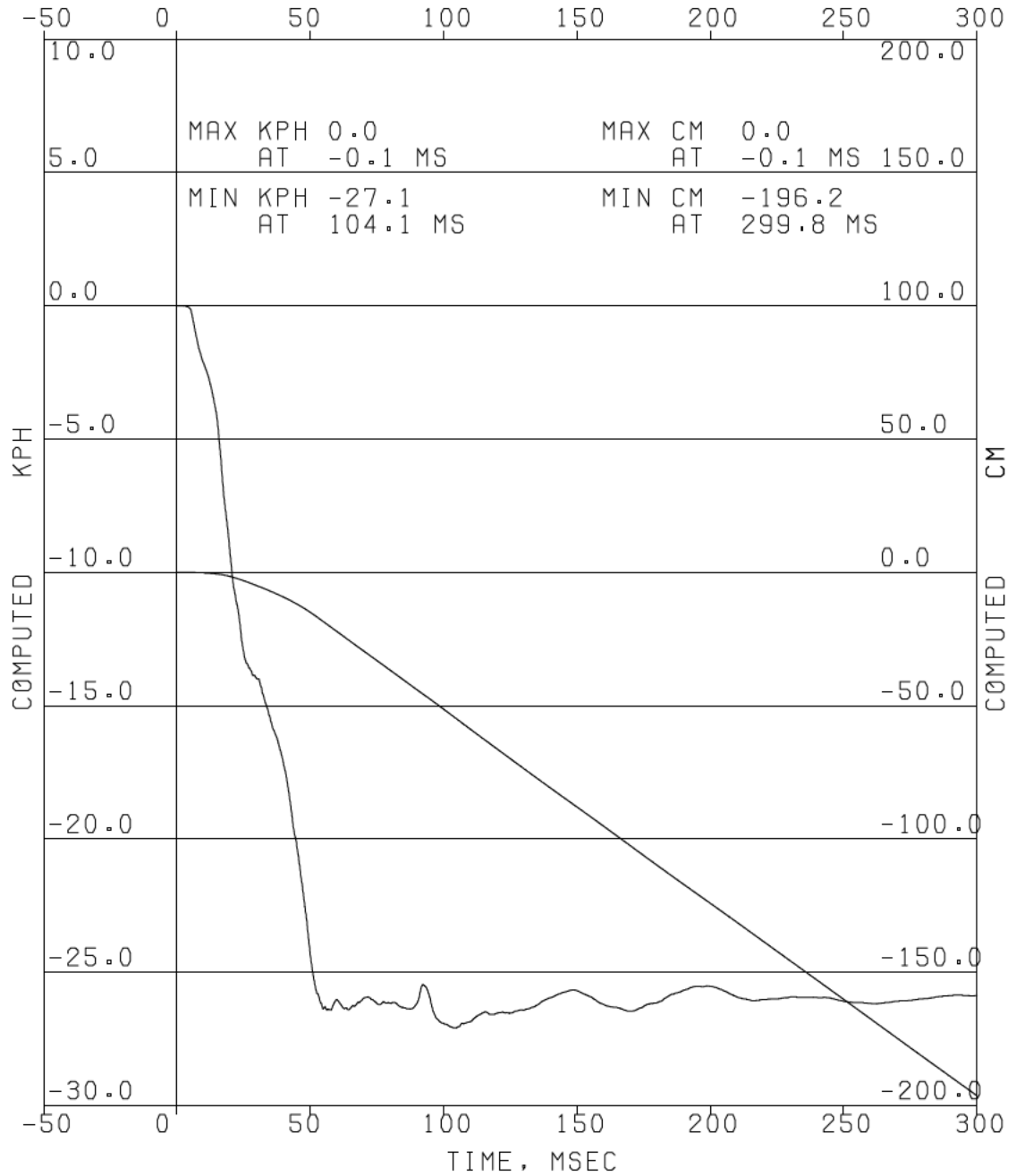


VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P13668

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

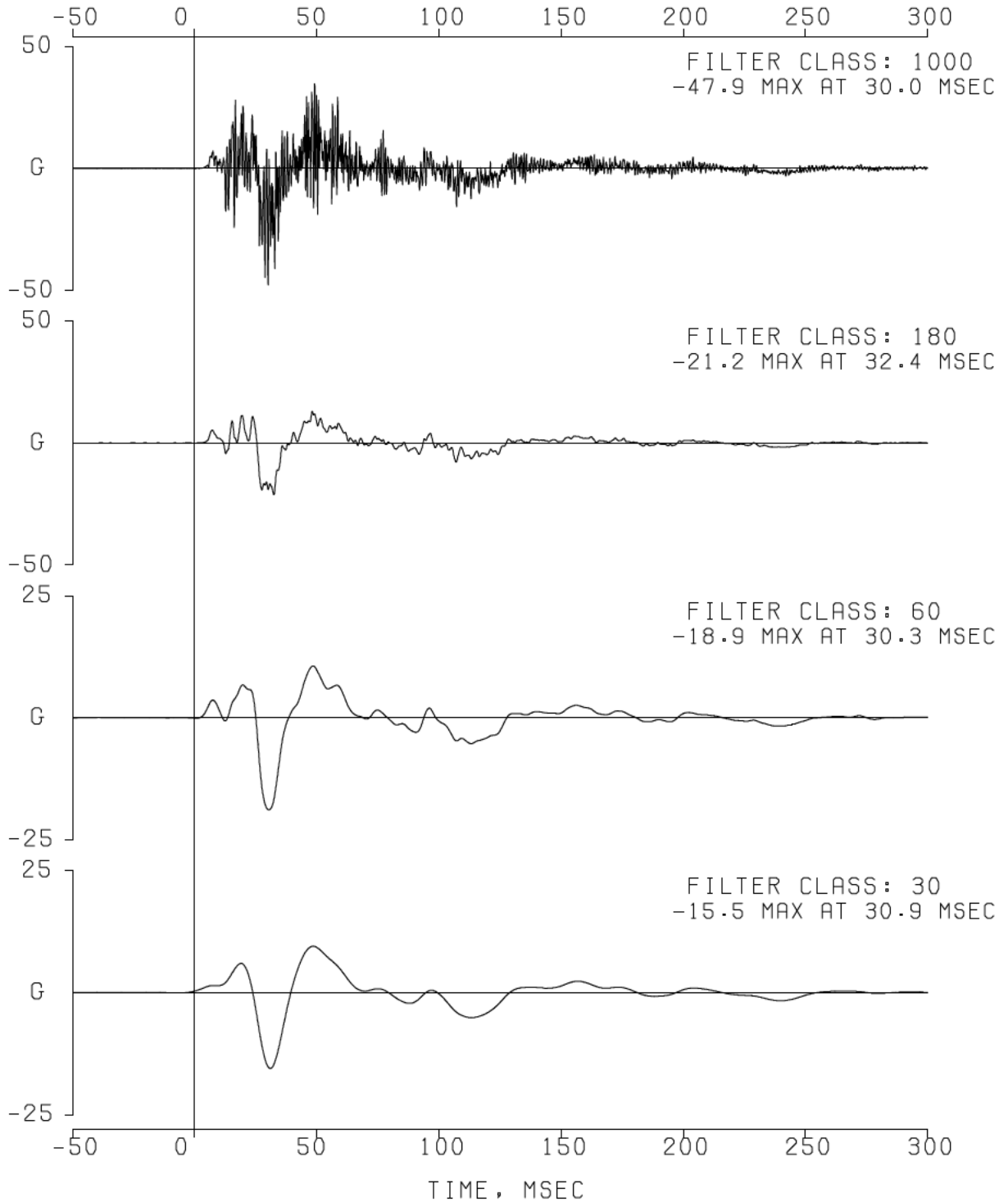
IMPACT ANALYSIS DEPT. 5320
JUN 25,2004

DATA SET 06/25/04BF
ERRATA 1

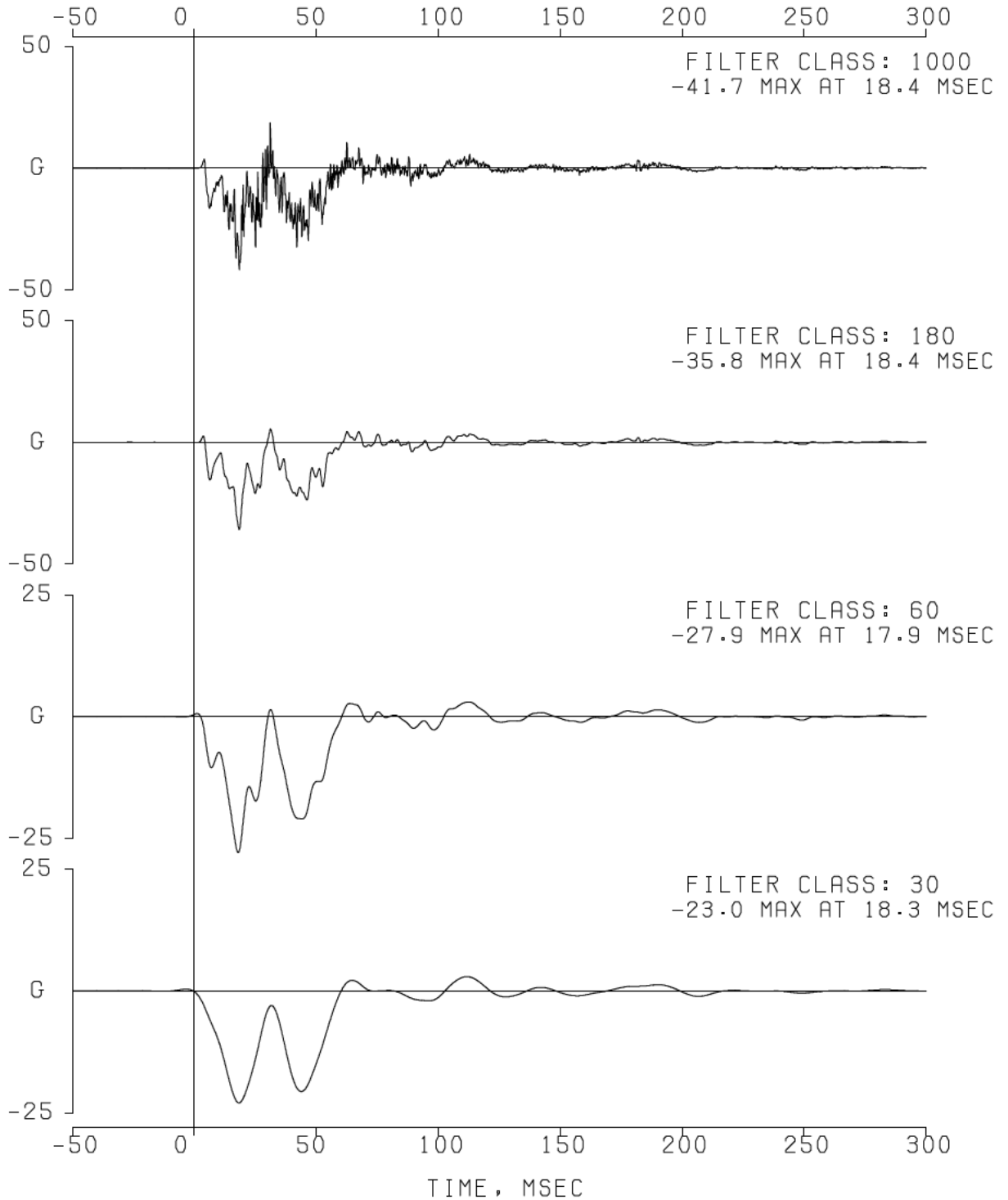


COMPUTED KPH
COMPUTED CM

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 002 LEFT FRONT SILL Z P16166
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1



VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 003 RIGHT FRONT SILL X P17431
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1

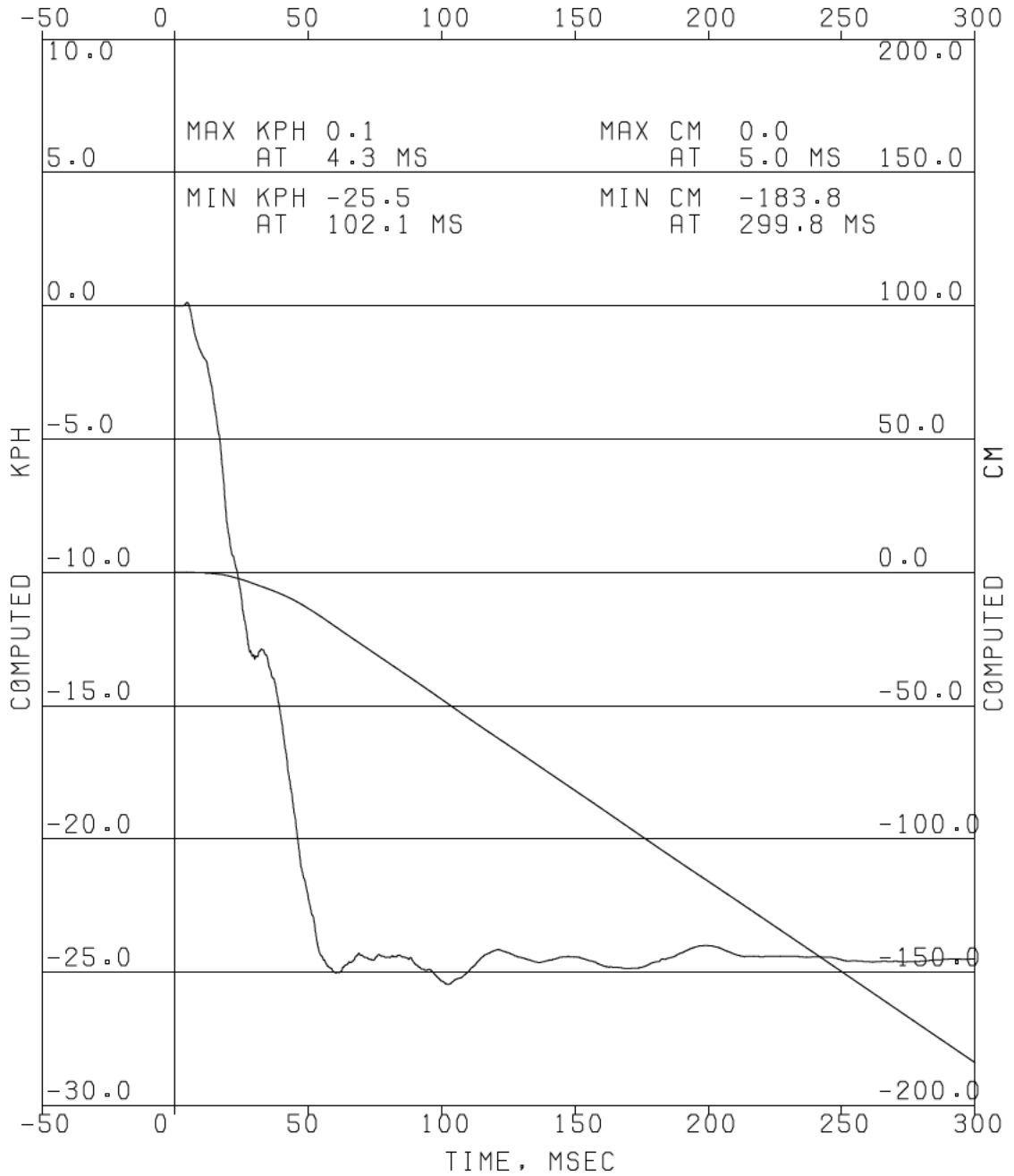


VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 003 RIGHT FRONT SILL X P17431

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

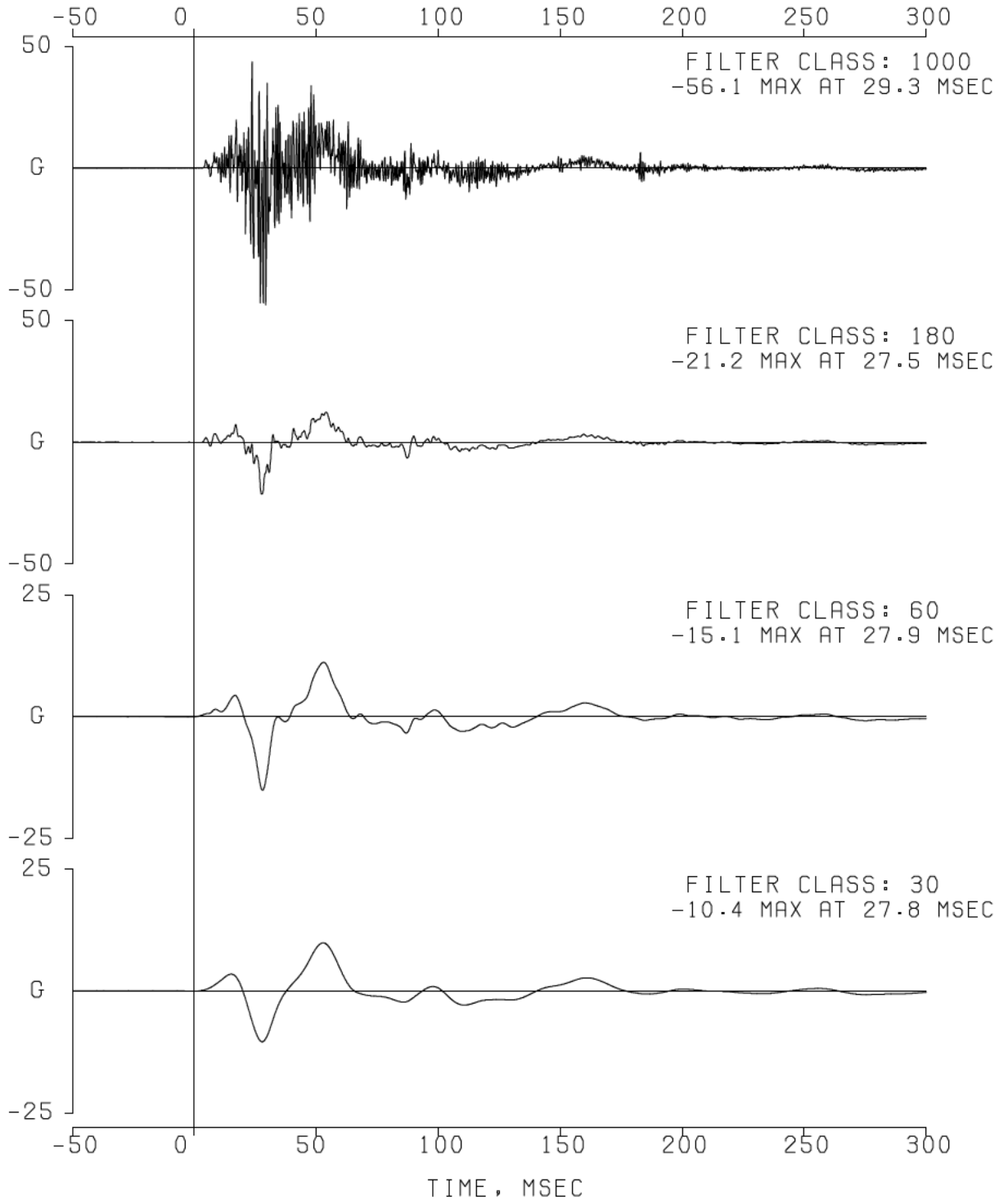
IMPACT ANALYSIS DEPT. 5320
JUN 25,2004

DATA SET 06/25/04BF
ERRATA 1

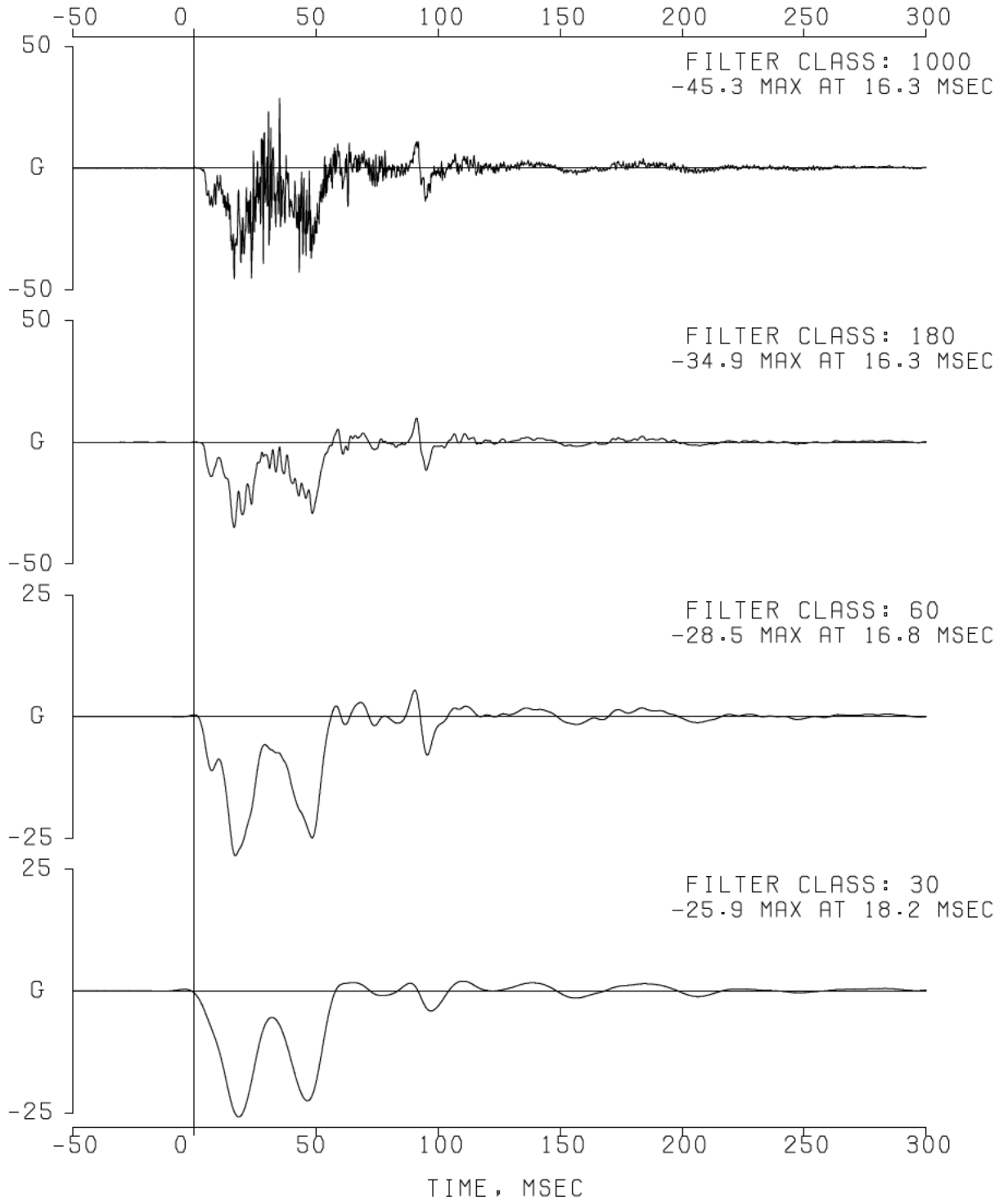


COMPUTED KPH
COMPUTED CM

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 004 RIGHT FRONT SILL Z P28653
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1



VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 005 LEFT REAR SILL X P21386
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1

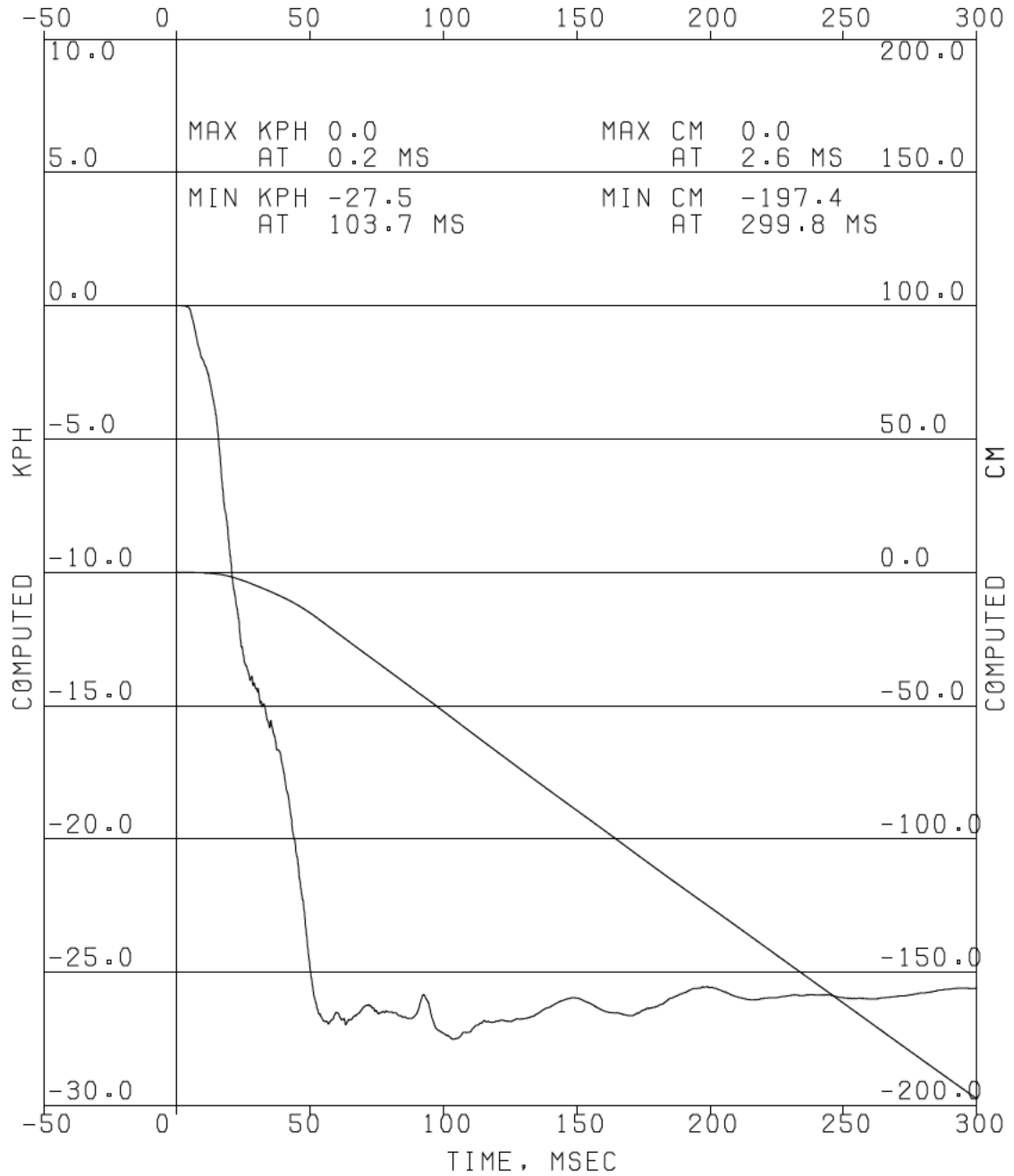


VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 005 LEFT REAR SILL X P21386

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

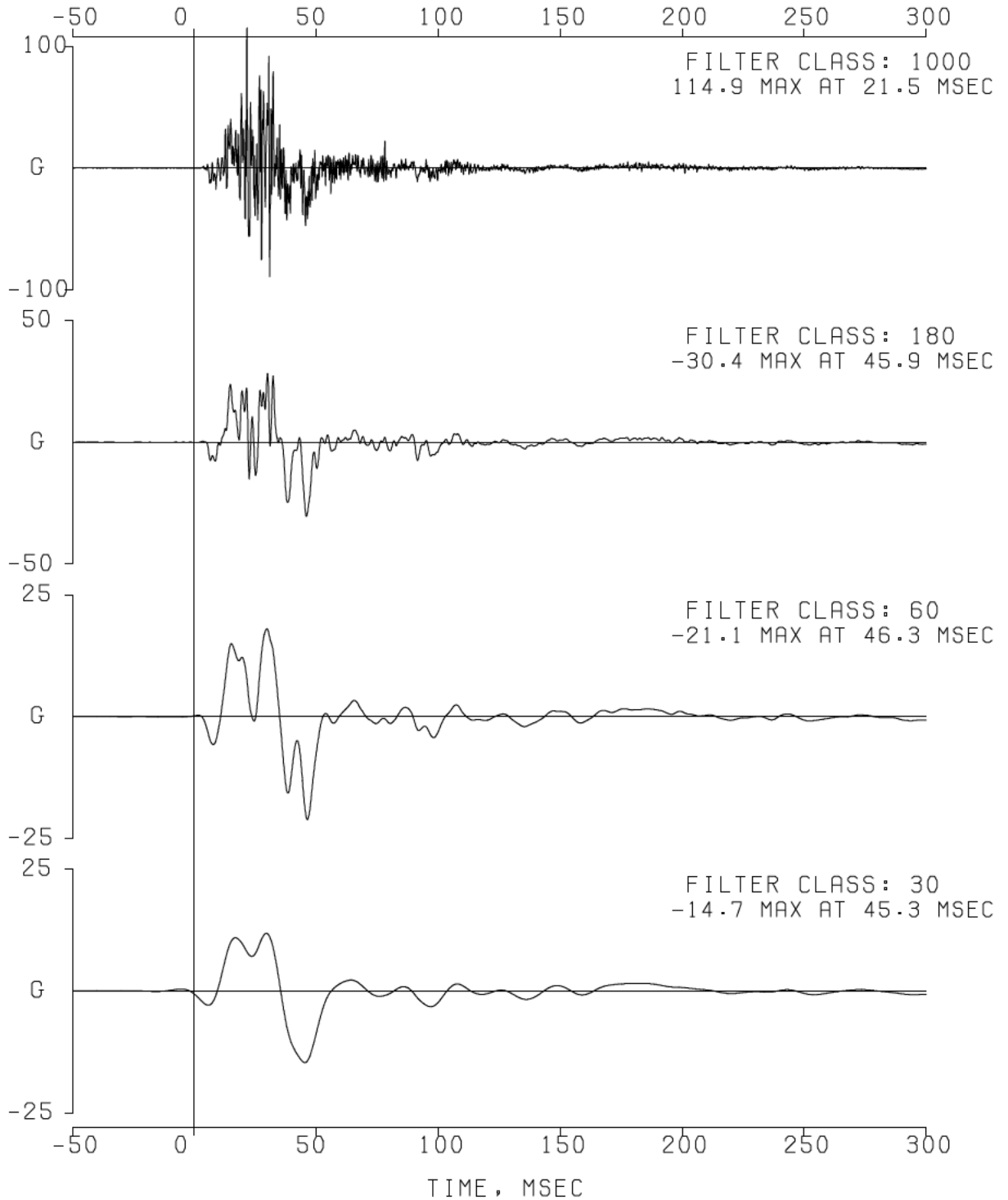
IMPACT ANALYSIS DEPT. 5320
JUN 25,2004

DATA SET 06/25/04BF
ERRATA 1

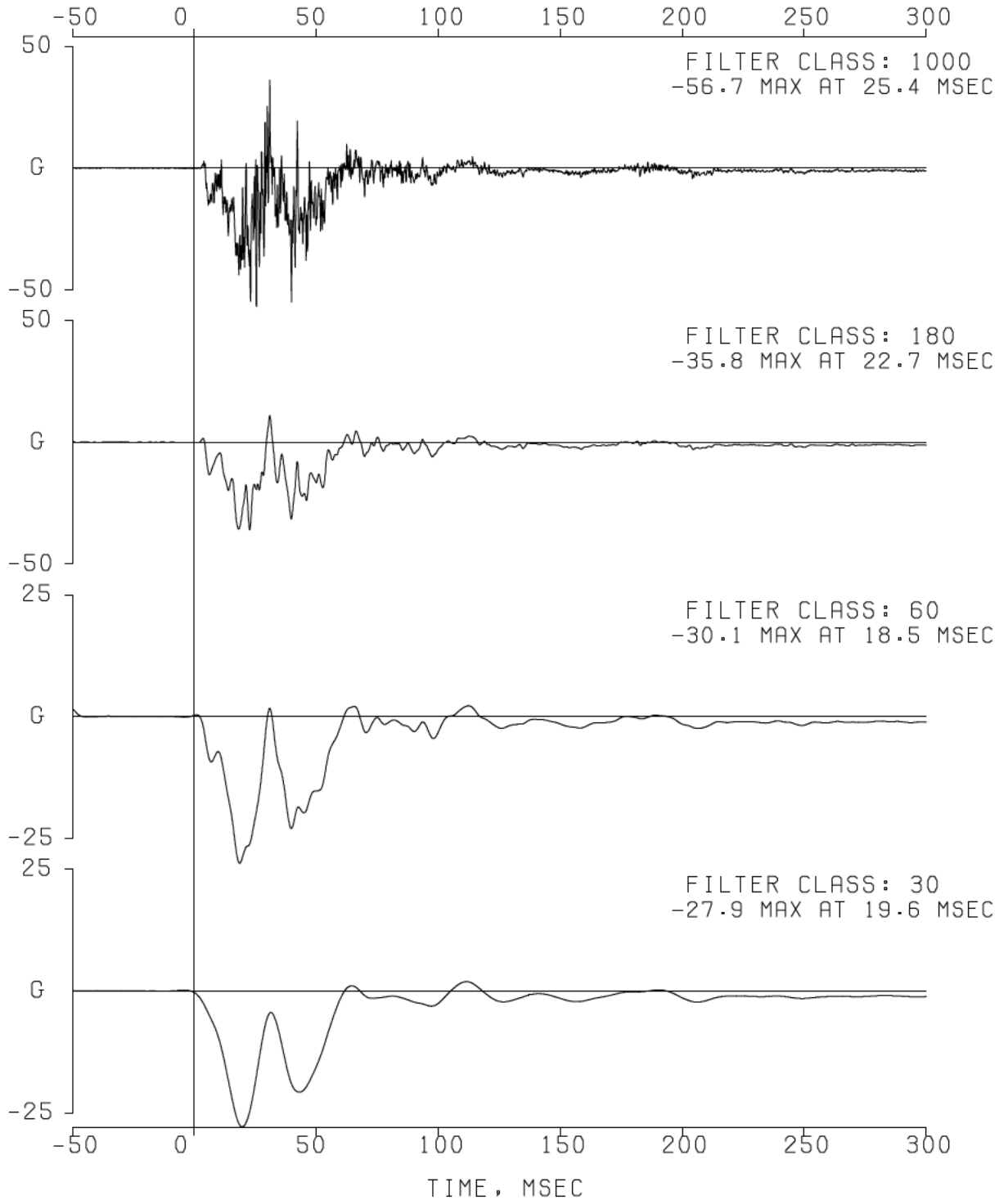


COMPUTED KPH
COMPUTED CM

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 006 LEFT REAR SILL Z P12718
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1



VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 007 RIGHT REAR SILL X P27665
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
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JUN 25,2004 ERRATA 1

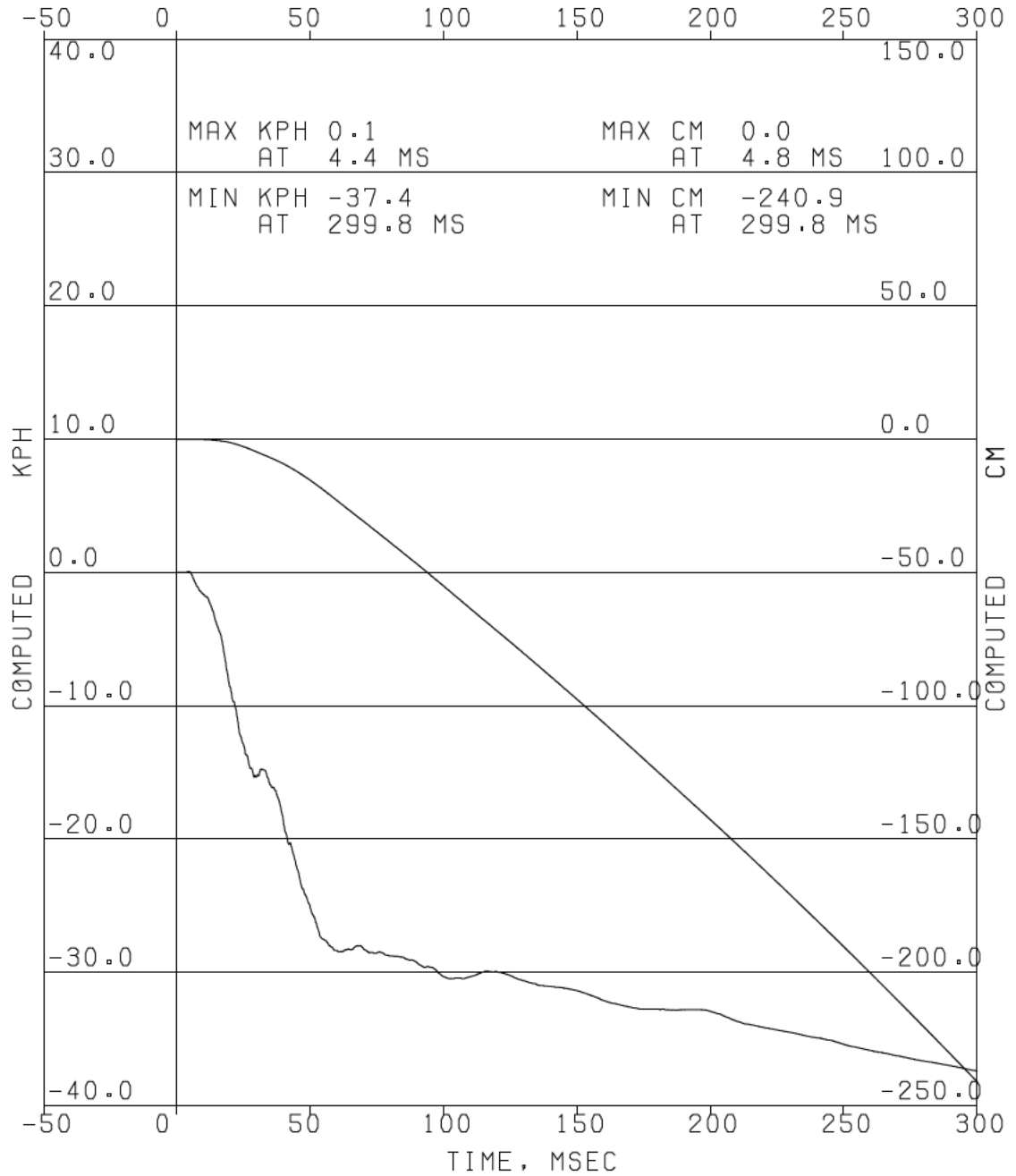


VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
 05 TJ, USA 301-REAR COMPLIANCE TEST
 CHANNEL 007 RIGHT REAR SILL X P27665

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
 FILTER CLASS: 1000

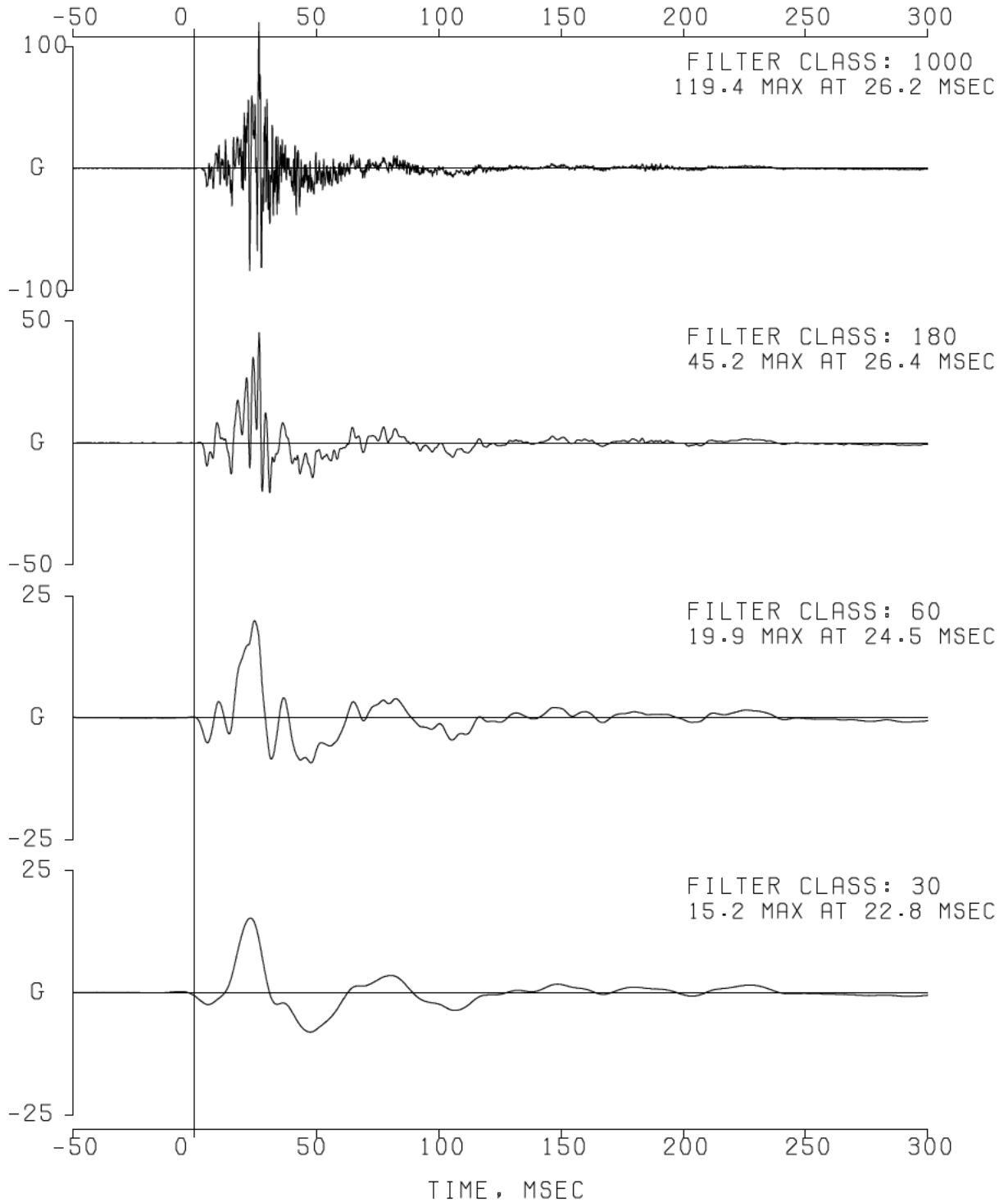
IMPACT ANALYSIS DEPT. 5320
 JUN 25,2004

DATA SET 06/25/04BF
 ERRATA 1



COMPUTED KPH
 COMPUTED CM

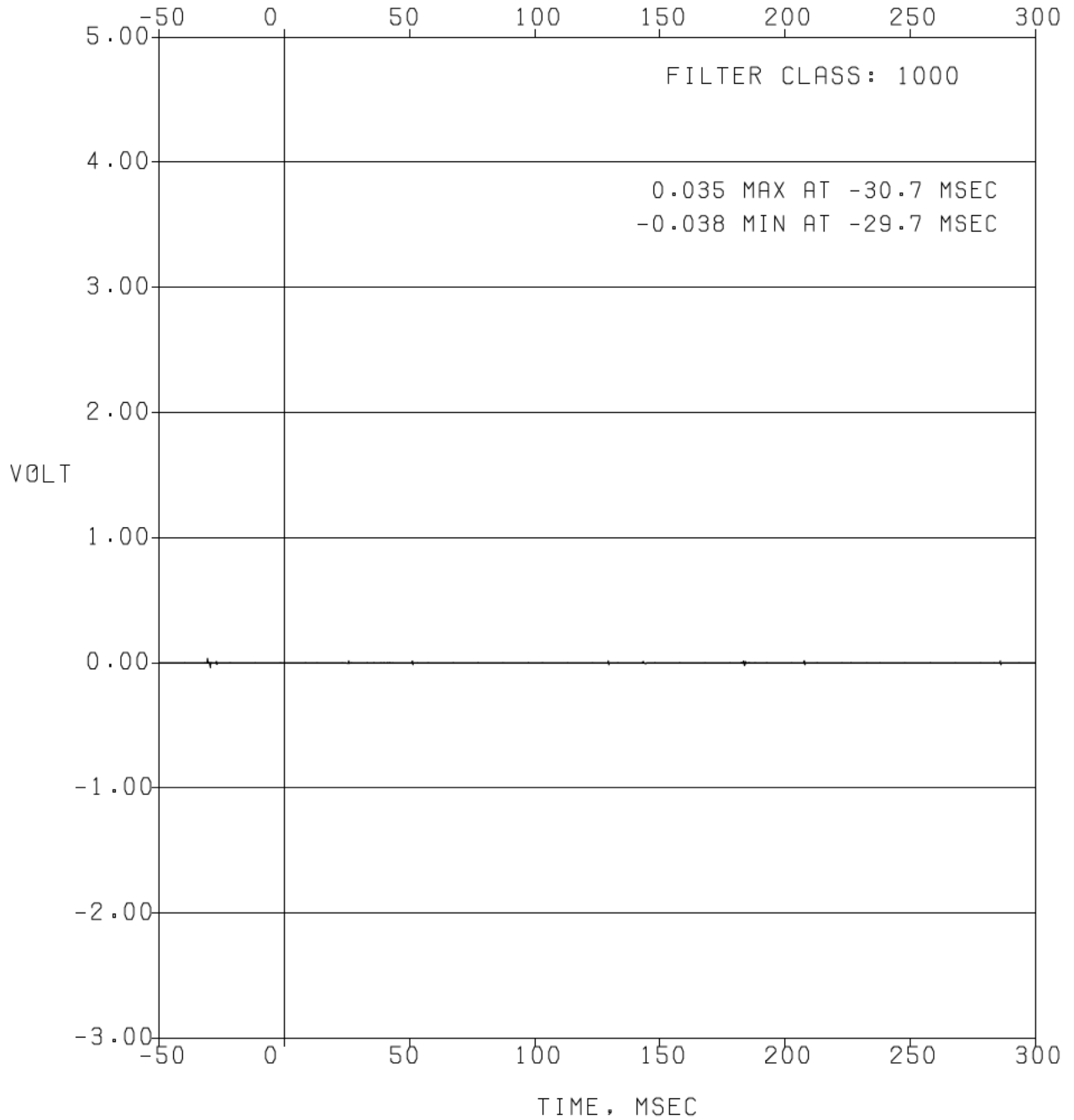
VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 008 RIGHT REAR SILL Z P28668
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1



VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST

CHANNEL 009 DR 1 SQUIB EVENT EE

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25, 2004 ERRATA 1

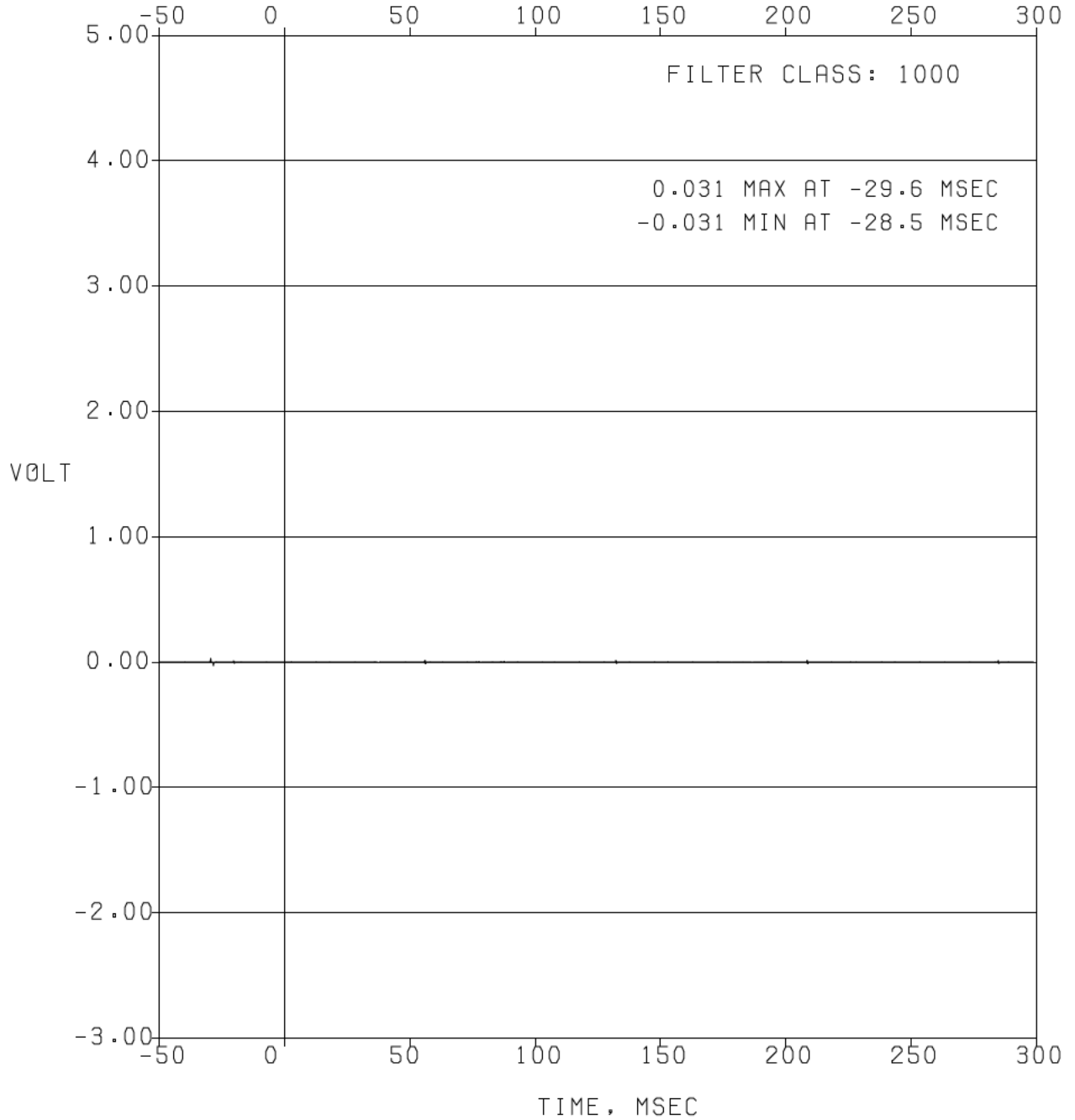


***** NOTE *****
***** NO EVENT *****

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST

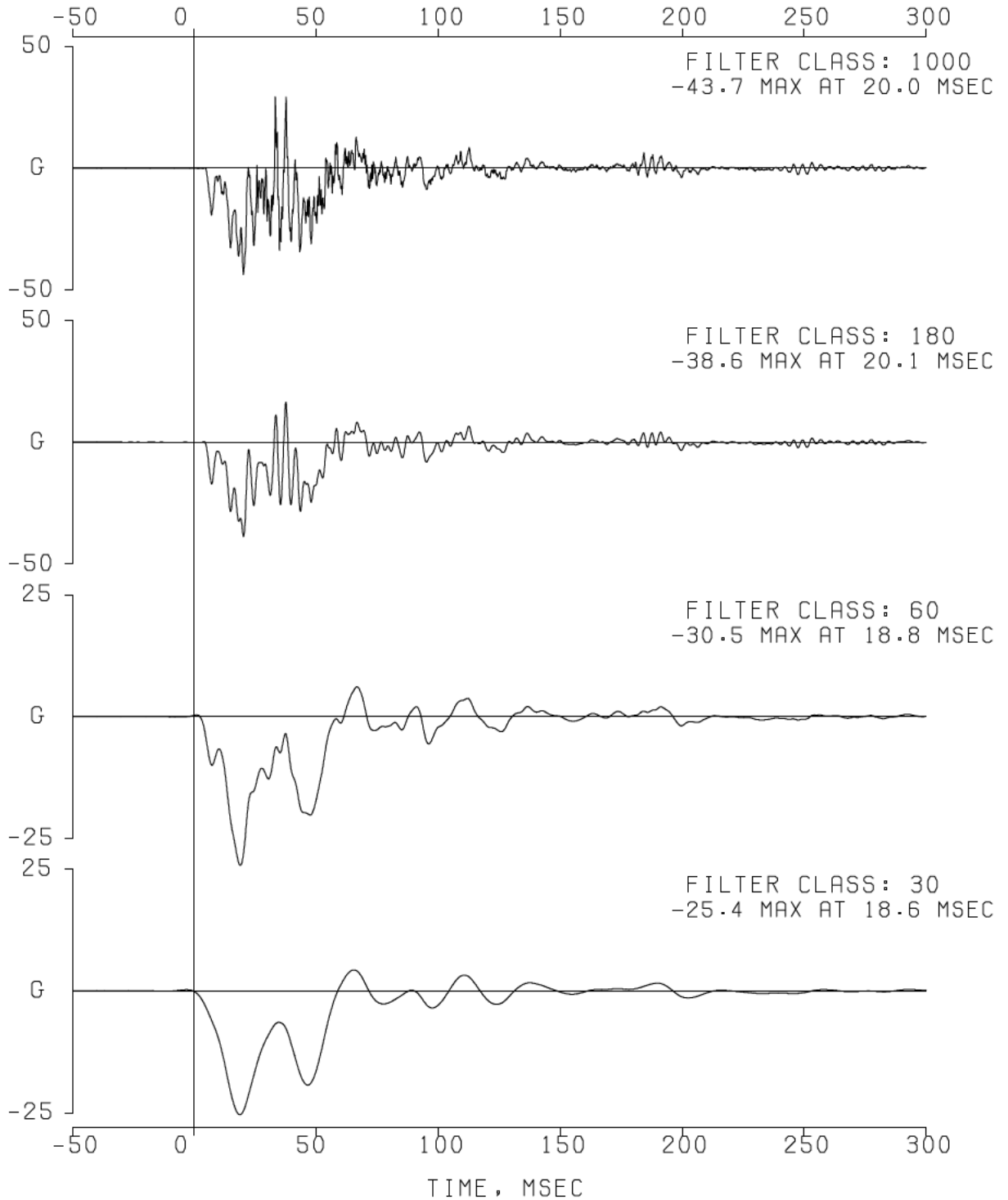
CHANNEL 010 PASS 1 SQUIB EVENT EE

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25, 2004 ERRATA 1



***** NOTE *****
***** NO EVENT *****

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 011 AECM MODULE X P26902
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1

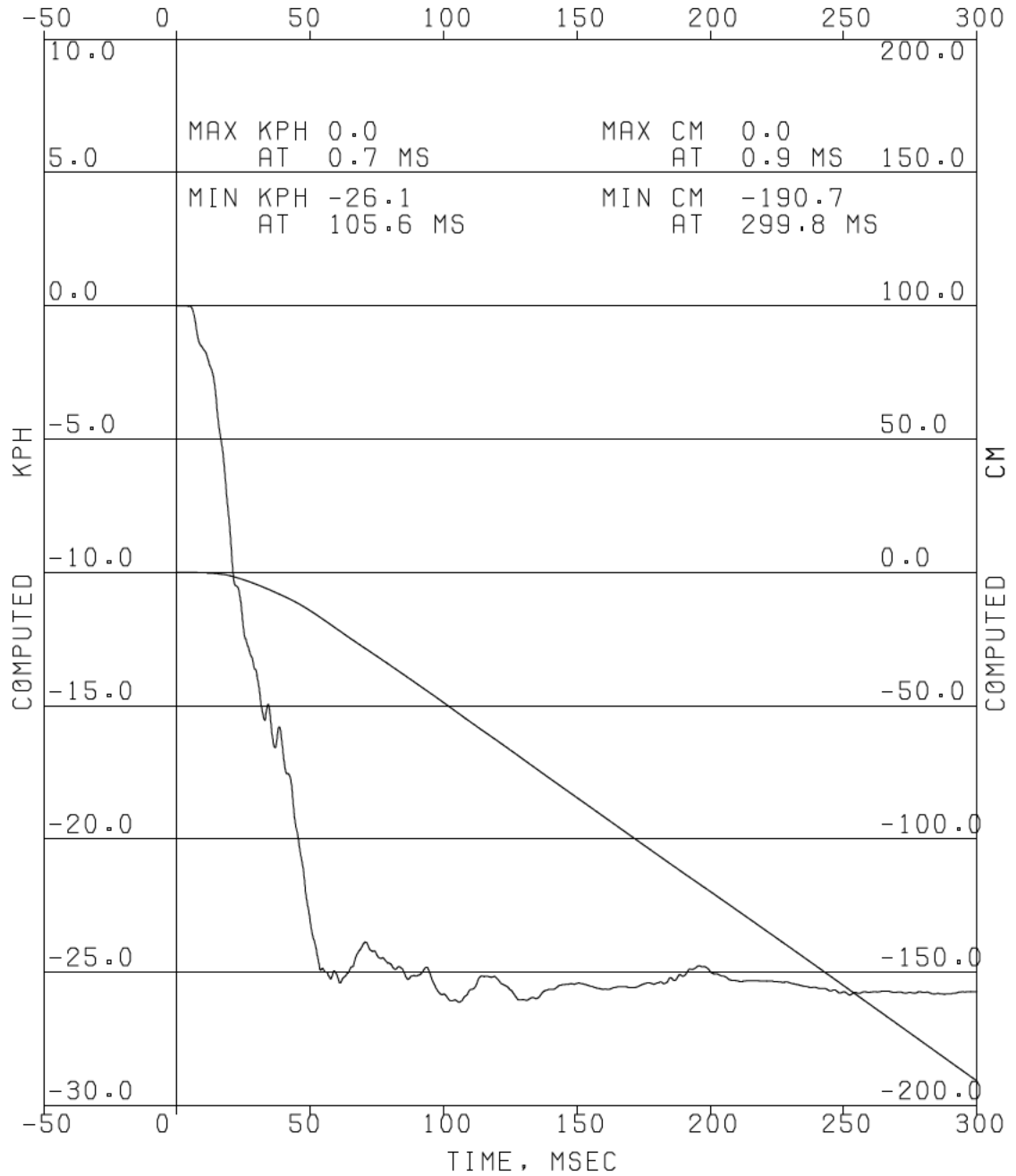


VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 011 AECM MODULE X P26902

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

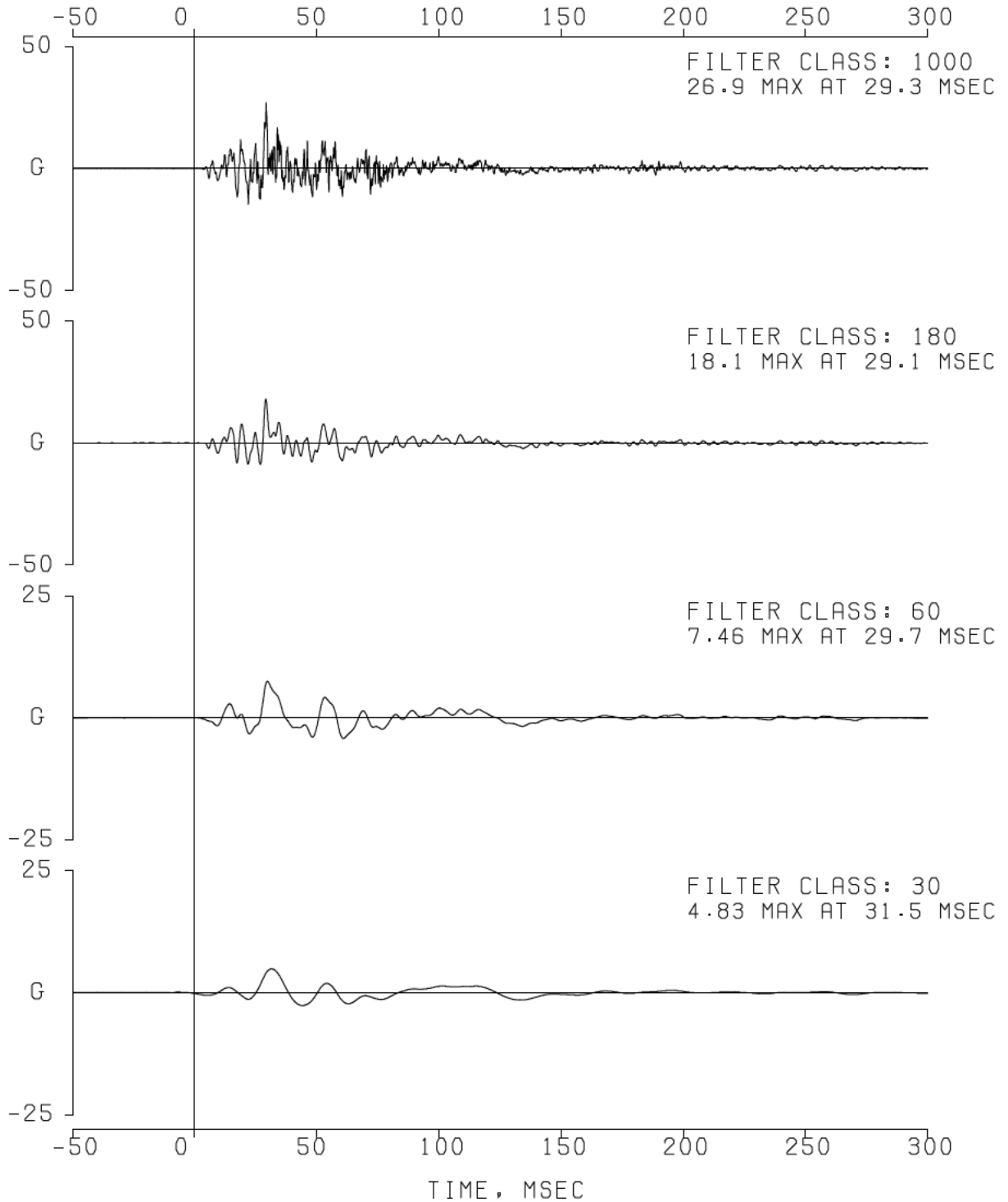
IMPACT ANALYSIS DEPT. 5320
JUN 25,2004

DATA SET 06/25/04BF
ERRATA 1

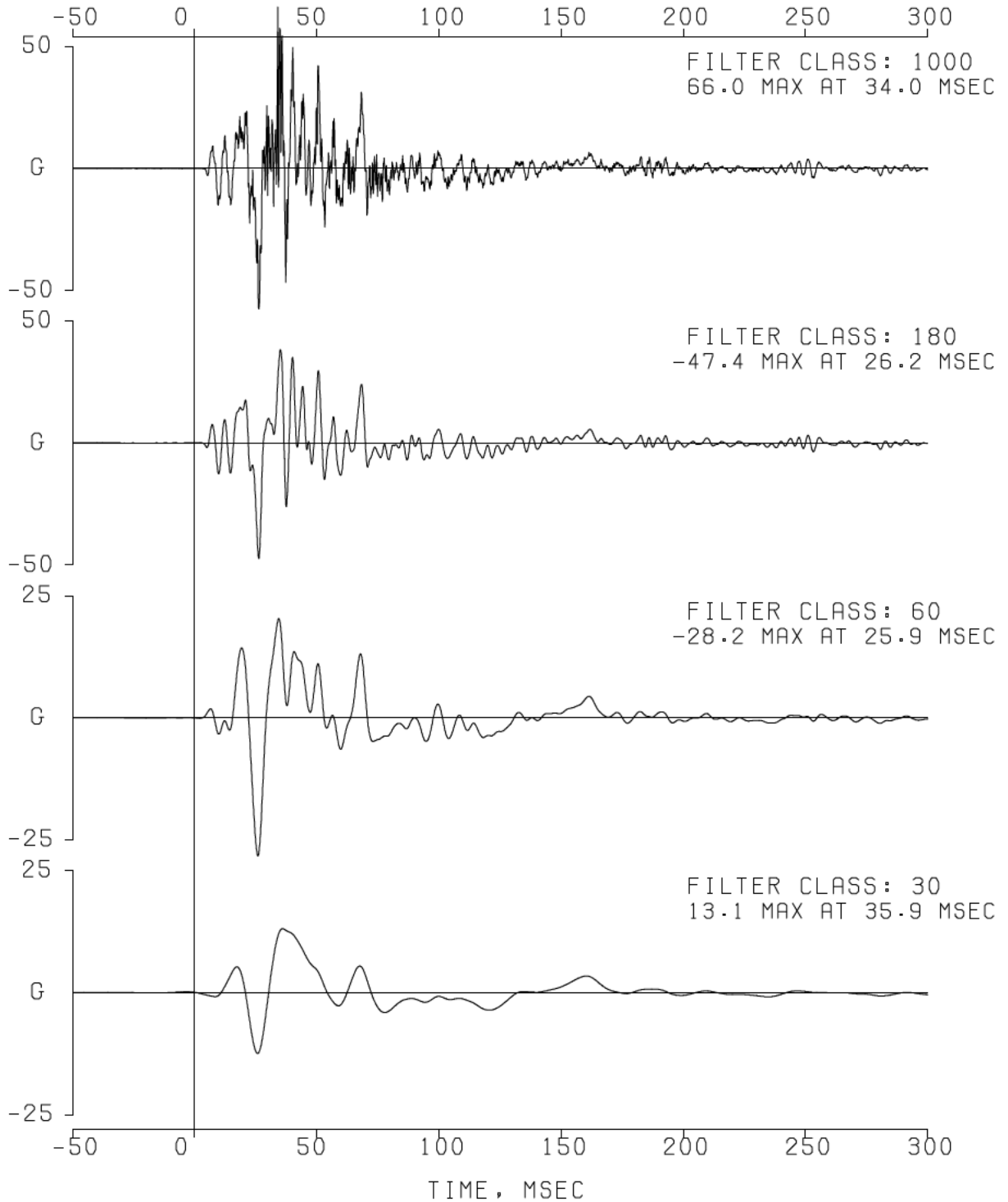


COMPUTED KPH
COMPUTED CM

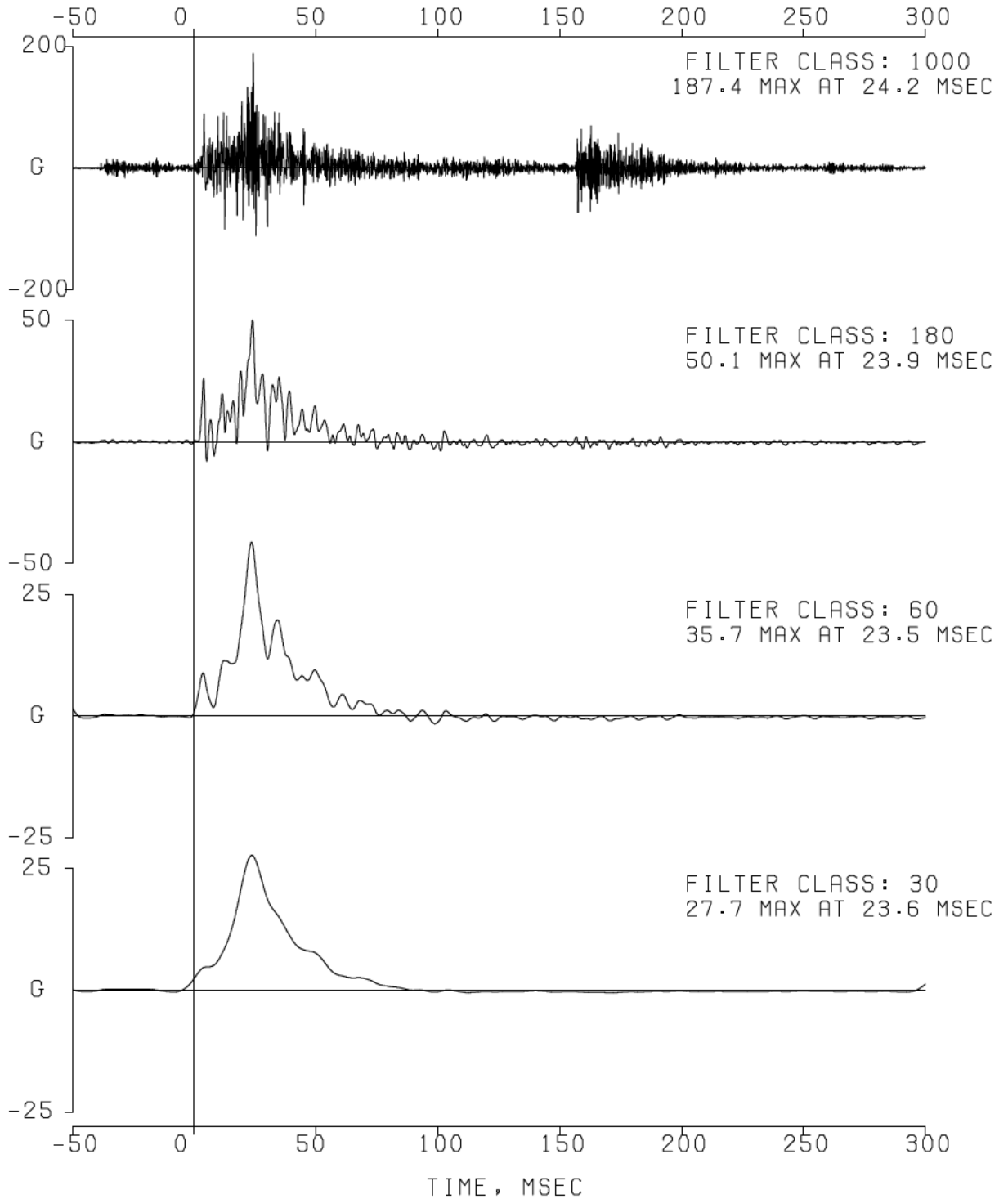
VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 012 AECM MODULE Y P26836
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1



VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 013 AECM MODULE Z P24061
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BF
JUN 25,2004 ERRATA 1



VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 033 M-FLAT LT RAIL MID X ETBB765
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BH
JUN 25,2004 ERRATA 1

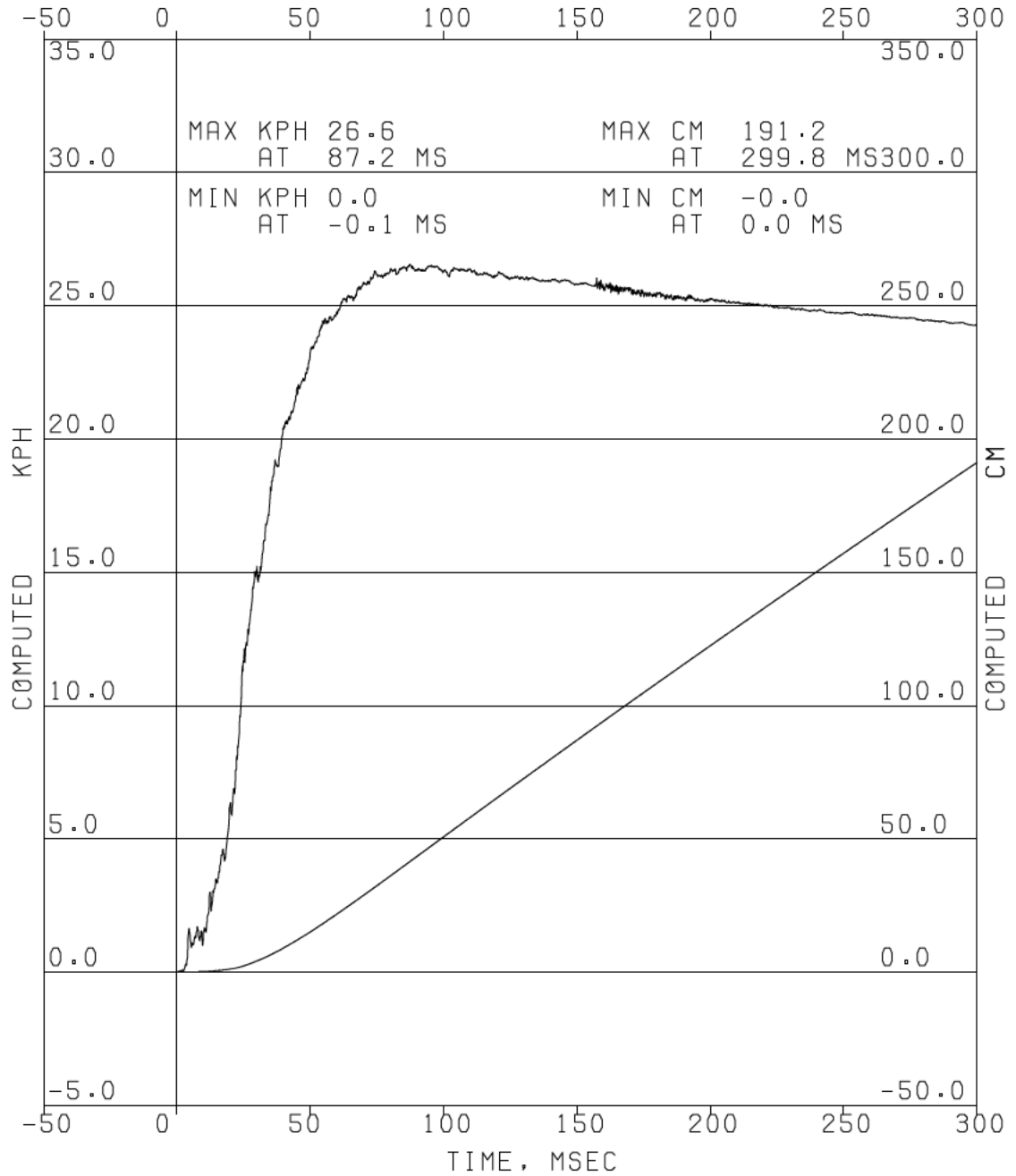


VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
CHANNEL 033 M-FLAT LT RAIL MID X ETBB765

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

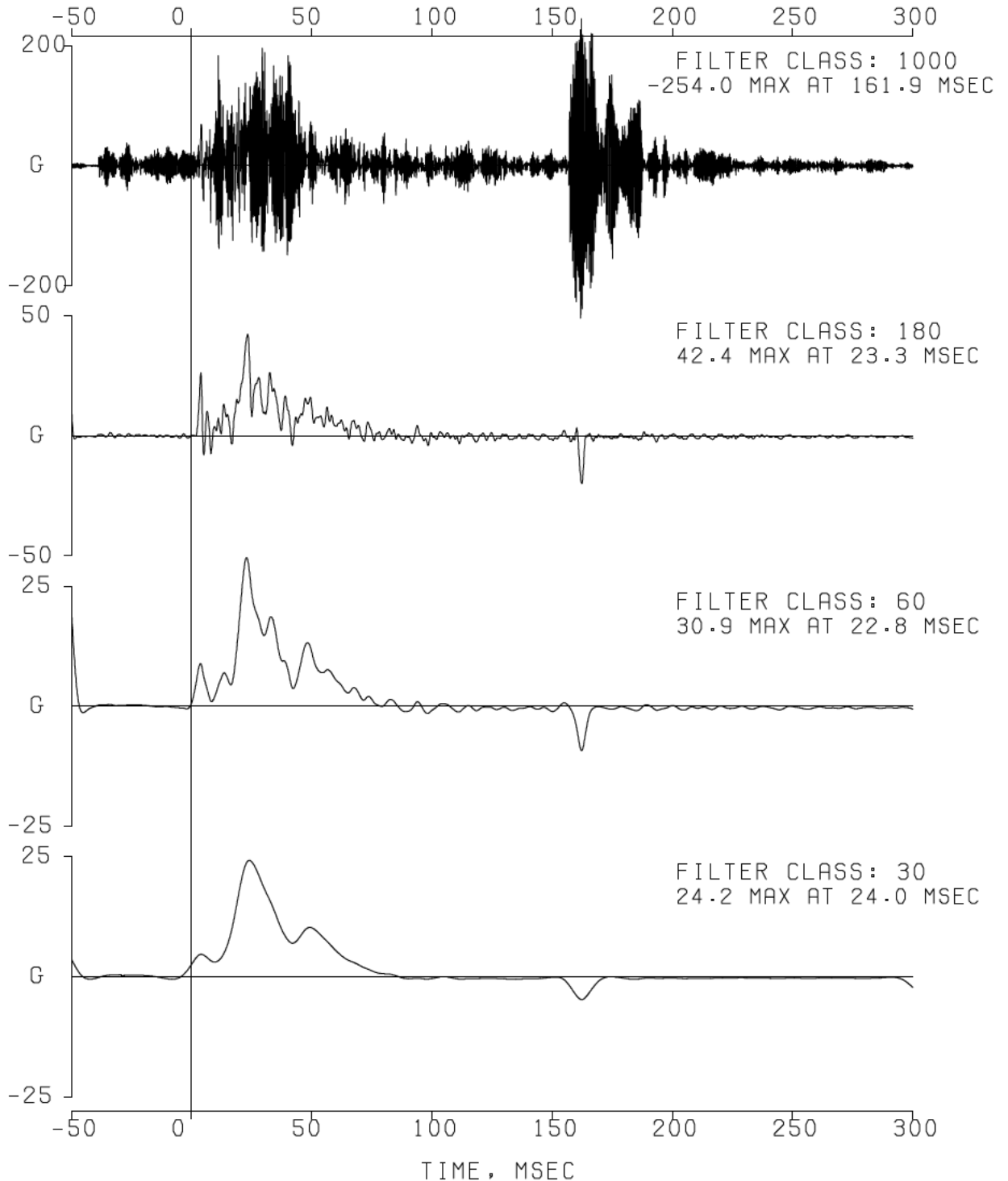
IMPACT ANALYSIS DEPT. 5320
JUN 25,2004

DATA SET 06/25/04BH
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
 05 TJ, USA 301-REAR COMPLIANCE TEST
 CHANNEL 034 M-FLAT RT RAIL MID X ETBB316
 FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
 IMPACT ANALYSIS DEPT. 5320 DATA SET 06/25/04BH
 JUN 25,2004 ERRATA 1



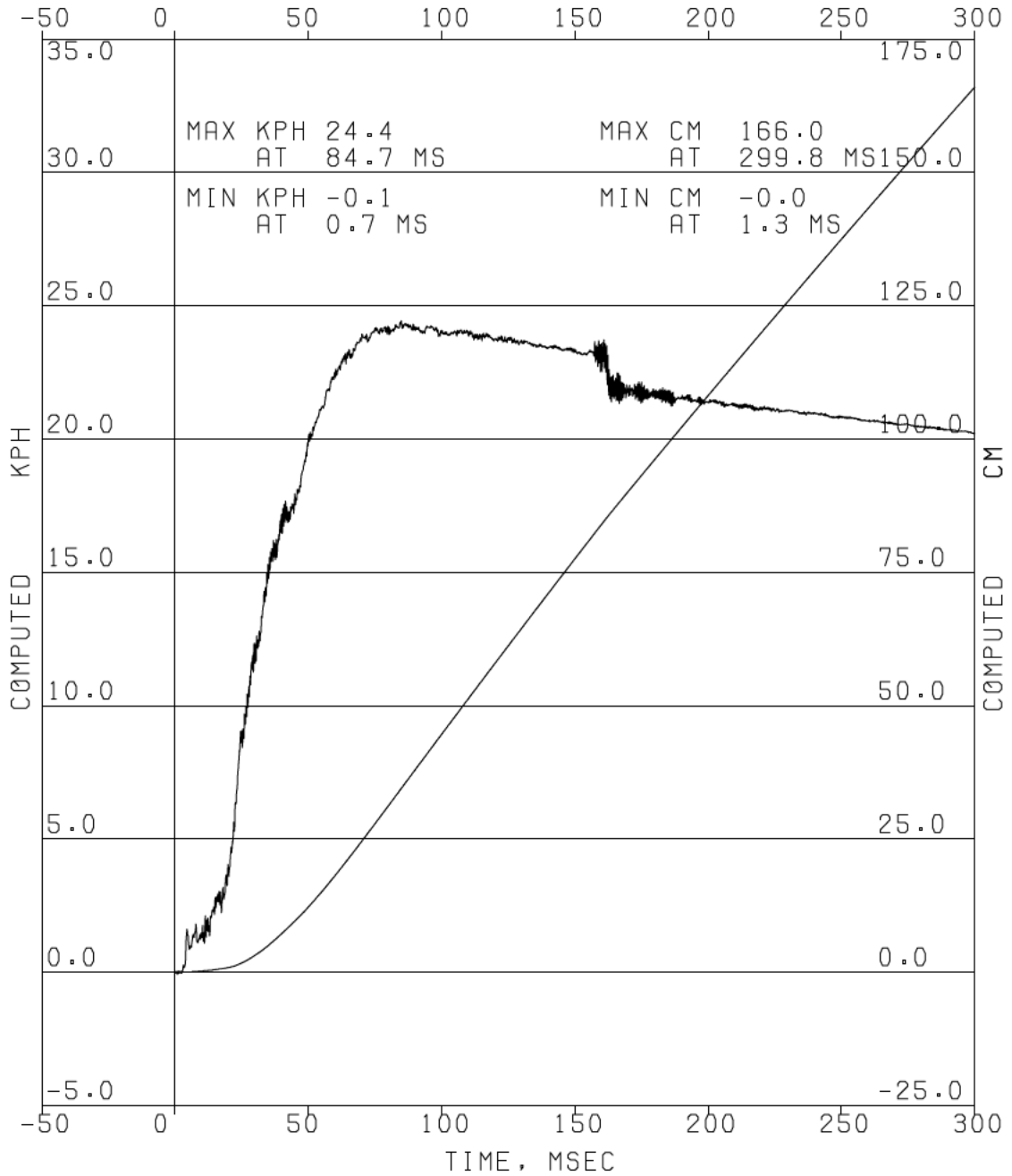
***** CAUTION *****
 *** CHL 34 M-FLAT RT RAIL MID X ETBB316, IS SATURATED AT ***
 ***** 160.0 161.2 161.7 161.9 162.2 *****

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
 05 TJ, USA 301-REAR COMPLIANCE TEST
 CHANNEL 034 M-FLAT RT RAIL MID X ETBB316

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 JUN 25,2004

DATA SET 06/25/04BH
 ERRATA 1



***** CAUTION *****
 *** CHL 34 M-FLAT RT RAIL MID X ETBB316. IS SATURATED AT ***
 ***** 160.0 161.2 161.7 161.9 162.2 *****

COMPUTED KPH
 COMPUTED CM

TITLE: Page Index of EDP plots	Pages	001 - 027	
***** VC11829A *****			Page I-01
TITLE: Transducer Summary Reports	Pages	001 - 003	
SYSTEM: METRIC			
PAGE: 001	TSR Channels	001 - 008	
PAGE: 002	TSR Channels	009 - 016	
PAGE: 003	TSR Channels	033 - 034	
***** VC11829B *****			
TITLE: Vehicle Channels	Pages	004 - 027	
SYSTEM: METRIC			
PAGE: 004	Average of Sill Chls 1, 3, 5, & 7		
PAGE: 005	Average of Frt Sill Chls 1 & 3		
PAGE: 006	LEFT FRONT SILL X, Chl 1		
PAGE: 007	LEFT FRONT SILL X, Chl 1, VD		
PAGE: 008	LEFT FRONT SILL Z, Chl 2		
PAGE: 009	RIGHT FRONT SILL X, Chl 3		
PAGE: 010	RIGHT FRONT SILL X, Chl 3, VD		
PAGE: 011	RIGHT FRONT SILL Z, Chl 4		
PAGE: 012	LEFT REAR SILL X, Chl 5		
PAGE: 013	LEFT REAR SILL X, Chl 5, VD		
PAGE: 014	LEFT REAR SILL Z, Chl 6		
PAGE: 015	RIGHT REAR SILL X, Chl 7		
PAGE: 016	RIGHT REAR SILL X, Chl 7, VD		
PAGE: 017	RIGHT REAR SILL Z, Chl 8		
PAGE: 018	DR 1 SQUIB EVENT, Chl 9, Event		*N*
PAGE: 019	PASS 1 SQUIB EVENT, Chl 10, Event		*N*
PAGE: 020	AECM MODULE X, Chl 11		
PAGE: 021	AECM MODULE X, Chl 11, VD		
PAGE: 022	AECM MODULE Y, Chl 12		
PAGE: 023	AECM MODULE Z, Chl 13		
PAGE: 024	M-FLAT LT RAIL MID X, Chl 33		
PAGE: 025	M-FLAT LT RAIL MID X, Chl 33, VD		
PAGE: 026	M-FLAT RT RAIL MID X, Chl 34		*C*
PAGE: 027	M-FLAT RT RAIL MID X, Chl 34, VD		*C*

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/25/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; NONE
BODY; 77
ENGINE; ERH
ENGINE NOTE;
TRANSMISSION; DG6
TRANS. NOTE;
VIN AS TESTED; 1J4FA49S15P [REDACTED]
VIN AS BUILT; 1J4FA49S15P [REDACTED]

TEST SPEED 48.63 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 1891.96 TOTAL, 936.68 FRONT, 955.28 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-60
RESTRAINT- A/B + UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-77
RESTRAINT- A/B + UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005MY TJ S1 LEVEL BUILT AT TAP.
MODIFIED BUILD:
MODIFIED EMD BUILD:
2005MY FUEL TANK, Z-PSO LEVEL - 52059616AE2005MY F
UEL LINE CHASSIS BUNDLE, S2 LEVEL - 52059587AC

TARGET WEIGHT(KG) 1895.6 TOTAL, 884.3 FRONT, 1011.3 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.5 LITRES STODDARD SOLVENT
150 LB ON FRONT FLOOR.
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 02

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/25/04
TEST SITE CPG

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

DISTRIBUTION M. STEBELTON 422-05-01 (AB)
 M. COPPOLA 514-17-39 (AB)

DATE 06/25/04 TIME 13:27:39.



vc 11829 post



EA12-005 Pearl Chrysler 07543

vc 11829 post

vc 11829 post

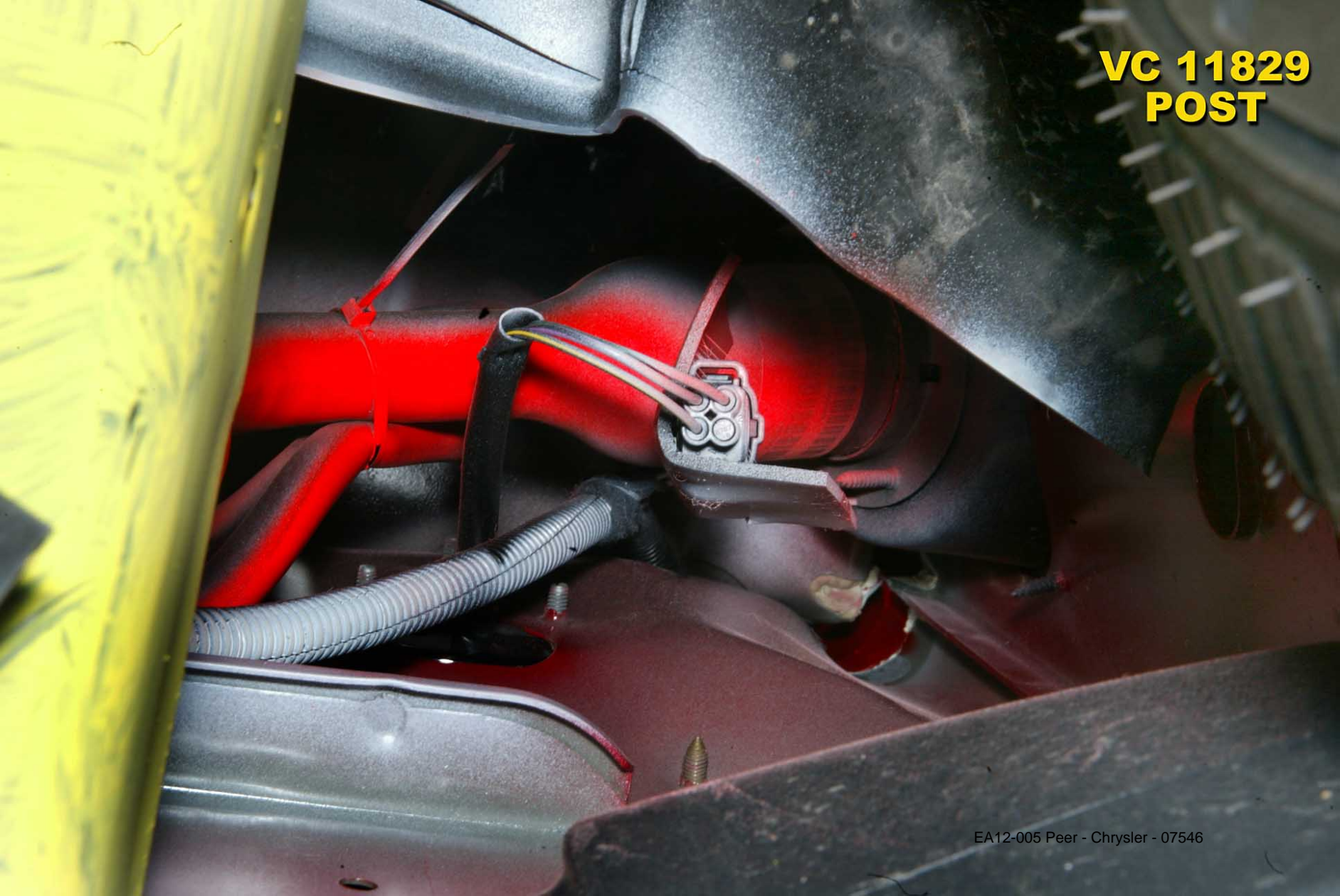


EA12-005 P

**VC 11829
POST**



**VC 11829
POST**



**VC 11829
POST**



VC 11829
POST

EA12-005 Peer - Chrysler 07/148



VC11829 Pre

12-005 Peer - Chrysler - 07549



VC11829 Pre

EA12-005 Peer - Chrysler - 07550



VC11829 Pre

EA12-005 Peer - Chrysler - 07551



VC11829 Pre

EA12-005 Peer - Chrysler - 07552



11829

11829

33.1

Jeep
WRANGLER



11829

11829

181GA155

93.7

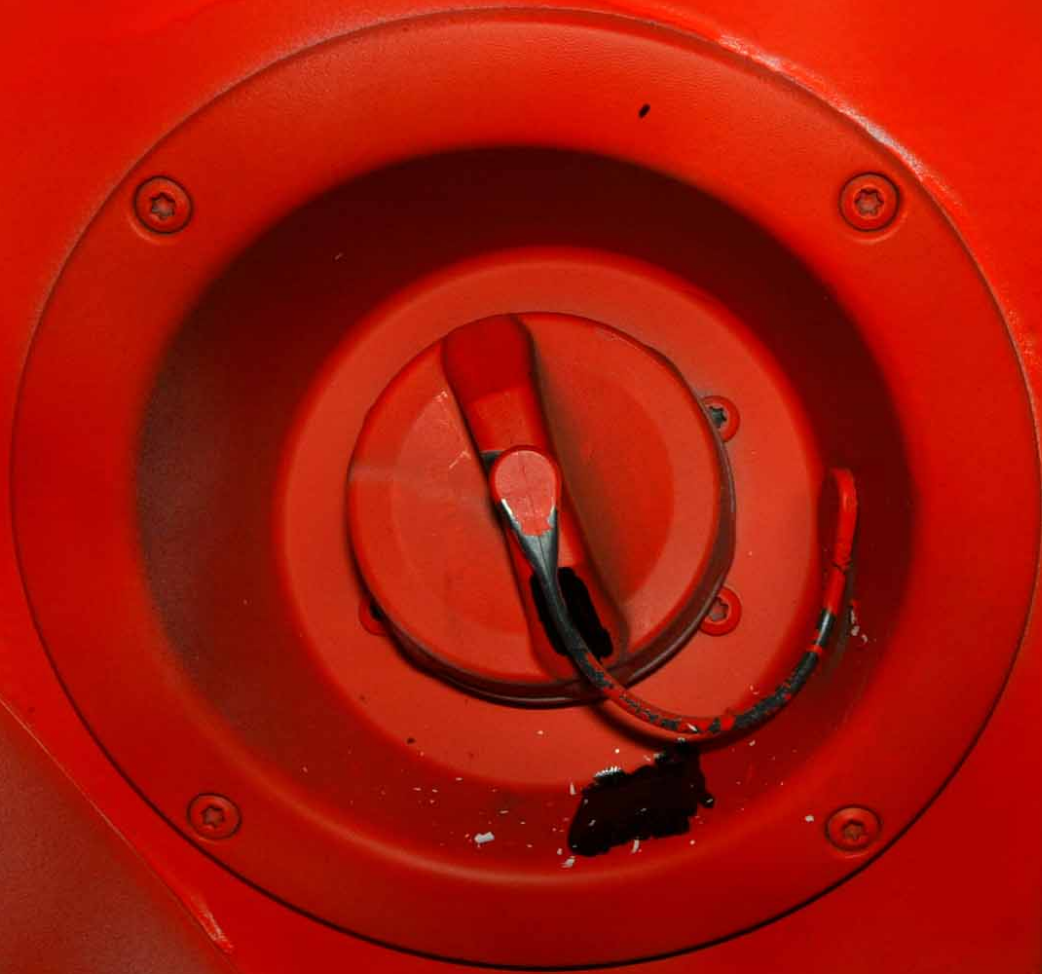
SPORT

Jeep
WRANGLER

vc 11829 pre

EA1Z-005 Peer - Chrysler - 07554

vc 11829 pre



DATE 06/25/04
TIME 14:26:24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11829 ITEM TJJ7152
VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/25/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; TJ
CAR LINE; NONE
BODY; 77
ENGINE; ERH
ENGINE NOTE;
TRANSMISSION; DG6
TRANS. NOTE;
VIN AS TESTED; 1J4FA49S15P [REDACTED]
VIN AS BUILT; 1J4FA49S15P [REDACTED]

TEST SPEED 48.63 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 1891.96 TOTAL, 936.68 FRONT, 955.28 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-60
RESTRAINT- A/B + UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-77
RESTRAINT- A/B + UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005MY TJ S1 LEVEL BUILT AT TAP.
MODIFIED BUILD:

MODIFIED EMD BUILD:
2005MY FUEL TANK, Z-PSO LEVEL - 52059616AE2005MY F
UEL LINE CHASSIS BUNDLE, S2 LEVEL - 52059587AC

TARGET WEIGHT(KG) 1895.6 TOTAL, 884.3 FRONT, 1011.3 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.5 LITRES STODDARD SOLVENT
150 LB ON FRONT FLOOR.
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 06/25/04
TIME 14:26:24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11829 ITEM TJJ7152
VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/25/04
TEST SITE CPG
EDP TECHNICIAN S. MARCHENIA

No. of Pages 27
CC

M. COPPOLA 514-17-39
M. STEBELTON 422-05-01

DATE 06/25/04
TIME 14:26:42.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST

TEST DATE 06/25/04 SPEED 48.6 TEST WT 1891.9

LIBRARY VC11829

Errata # 1 Data Set 06/25/04BF CHL001-016 30.2 REAR VC11829E
Errata # 1 Data Set 06/25/04BG CHL017-032 30.2 REAR VC11829E

The data is displayed in the Metric system of Units (G, CM, N, N-M, KPH, etc.)

CHL	TRANSDUCER LOCATION			1000	DCX	180	PH	AT	
				CFC	600	CFC	60		
			PEAK	PEAK	PEAK	PEAK			
1	LEFT FRONT SILL	X	P13668	-38.7	-38.0	-34.8	-29.6	-25.9	KPH
2	LEFT FRONT SILL	Z	P16166	-47.9	-42.2	-21.2	-18.9	-0.1	KPH
3	RIGHT FRONT SILL	X	P17431	-41.7	-39.8	-35.8	-27.9	-24.5	KPH
4	RIGHT FRONT SILL	Z	P28653	-56.1	-46.7	-21.2	-15.1	-0.3	KPH
5	LEFT REAR SILL	X	P21386	-45.3	-40.7	-34.9	-28.5	-25.6	KPH
6	LEFT REAR SILL	Z	P12718	114.9	81.9	-30.4	-21.1	0.5	KPH
7	RIGHT REAR SILL	X	P27665	-56.7	-46.1	-35.8	-30.1	-37.4	KPH
8	RIGHT REAR SILL	Z	P28668	119.4	105.1	45.2	19.9	0.5	KPH
9	DR 1 SQUIB EVENT		EE	0.0	VOLT				*
10	PASS 1 SQUIB EVENT		EE	0.0	VOLT				*
11	AECM MODULE	X	P26902	-43.7	-43.4	-38.6	-30.5	-25.7	KPH
12	AECM MODULE	Y	P26836	26.9	24.9	18.1	7.5	0.1	KPH
13	AECM MODULE	Z	P24061	66.0	-58.5	-47.4	-28.2	2.6	KPH
33	M-FLAT LT RAIL MID	X	ETBB765		89.4		35.7	24.3	KPH
34	M-FLAT RT RAIL MID	X	ETBB316		68.3		30.9	20.2	KPH*

Multi-Channel Plot data

CHLS 1 3 & 5 7 CL PH60 AVERAGE OF FRT SILL -217.9G AT .6 MS
CHLS & 1 3 CL PH60 AVERAGE OF FRT SILL -217.7G AT .6 MS

* - See Notes & Comments page

DATE 06/25/04
TIME 14:26:42.

TEST VALUES
NOTES & COMMENTS

SAFETY TEST
DEPT 5320

VC11829 48.0 KPH REAR REAR TYPE IV ITEM TJJ7152
05 TJ, USA 301-REAR COMPLIANCE TEST

LIBRARY VC11829

Errata # 1 Data Set 06/25/04BF CHL001-016 30.2 REAR VC11829E
Errata # 1 Data Set 06/25/04BG CHL017-032 30.2 REAR VC11829E

CHL 9 *N* ***** NO EVENT *****

CHL 10 *N* ***** NO EVENT *****

CHL 34 *C* *** CHL 34 M-FLAT RT RAIL MID X ETBB316, IS SATURATED AT ***
***** 160.0 161.2 161.7 161.9 162.2 *****

|