

EA12-005

CHRYSLER

12-13-2012

Enclosure 6B

301 Developmental Crash

Tests Public

XJ Development Crash Test

vc-05241 Public

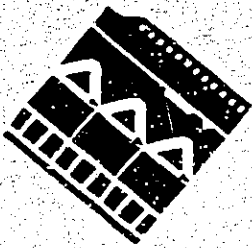


Image Source Inc.

801 Front Street
Toledo, Ohio 43605
419/697/1111
Fax: 419/697/1267

IMAGE & INFORMATION MGT.

DECLARATION OF INTENT AND PURPOSE

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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-
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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 10-2-96
Microfilming Operator Jennifer Hock
Location 801 Front St.

EA12-0039 Chrysler 000099

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 06

ITEM XJ6767R CHARGE NO. 5322001 ISSUE DATE 8/23/94

VC 52A 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L.
1997 MVSS 301 DEVELOPMENT.

TEST DATE 09/21/94 ENGINEER BUSS
SPEED 30.3 MPH SOURCE _____

TEST PURPOSE PRIMARY, 1997 MVSS 301 DEVELOPMENT.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.2 MPH
DAMAGE LOCATION; RIGHT REAR
IMPACT TYPE; BARRIER
BARRIER SURFACE; PLYWOOD
DIRECTION; 0 DEGREES

VEHICLE BODY CLASS; XJ
CAR LINE; J
BODY; 74
ENGINE; 2.5 LITRE
ENGINE NOTE; MPI
TRANSMISSION; 5 SPEED MANUAL 4X4
TRANS. NOTE;
VIN AS TESTED; 1J4FJ28P?RL [REDACTED] MOD.
VIN AS BUILT; 1J4FJ28P7RL [REDACTED] MOD.

POST TEST REMARKS _____

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 06

BUILD CONDITION



TARGET WEIGHT (LBS) 3374 TOTAL, 1805 FRONT, 1569 REAR REP MAX OPT WT
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

TEST WEIGHT (LBS) 4033 TOTAL, 2098 FRONT, 1935 REAR

FUEL BALLAST 22 GALLONS STODDARD TOTAL.

LUGGAGE BALLAST 300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.

OTHER BALLAST

OCCUPANTS

LEFT FRONT, HYB II, UNINSTRUMENTED. AD NO 52
~~LEFT FRONT, HYB II, UNINSTRUMENTED.~~ ~~AD NO~~
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED. AD NO 53
RESTRAINT-UNIBELT ONLY.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 06

MECHANICAL REQ TARGET VEHICLE PER 3RD SHEET NO. 102.
MEASURE VEHICLE ATTITUDE AS RECEIVED AND WHEN
LOADED FOR TEST, ADJUST ACCORDINGLY.
PAINT FUEL TANK, REAR AXLE, AND UNDERBODY FOR
CONTRAST.
PAINT FUEL FILL TUBE.
TARGET SEAT BACK.
PRESSURE CHECK POST TEST - FUEL TANK ONLY.

INSTRUMENTATION REQ SEE 3RD SHEET NO. 102 FOR ACCELEROMETER REQUIRE-
MENTS AND LOCATIONS.
1-ACCELEROMETER CENTERED ON THE FRONT OF THE FUEL
TANK.
TRI-AXIAL ACCELEROMETER ON AECM.
MONITOR AECM CLOSURE.
HYB II BALLAST DUMMIES.

PHOTOGRAPHIC REQ 1-RIGHT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
AT IMPACT.
1-LEFT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
AT IMPACT.
1-LEFT SIDE CAMERA TO VIEW LEFT RAIL OVER THE TOP
OF THE LEFT, REAR WHEEL.
1-PIT CAMERA FOR FULL UNDERBODY VIEW.
2-PIT CAMERAS TO VIEW FUEL TANK AND SURROUNDING
AREA - ONE VIEWING FILLER TUBE.
1-RIGHT SIDE VIEW OF REAR OF VEHICLE.
1-CATWALK CAMERA TO VIEW ENTIRE VEHICLE.
1-VELOCITY ANALYSIS CAMERA.
1-PANNING CAMERA.

FILM ANALYSIS VEHICLE VELOCITY, ONLY IF REQUESTED.
DYNAMIC CRUSH.

REMARKS TEST REQUEST ORIGINATOR: CHRIS CORNEAU (733-8576).
MAKE (1) COPY OF FILM, SEND COPY TO:
C.C. CORNEAU 514-15-58.
SHIP VEHICLE TO JTE ATTN: PAM MORTON

T. E. REPORT NOT REQUIRED.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 06

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	

DISTRIBUTION

W.A. BREITMOSER	422-05-01	(AB)
C.C. CORNEAU	514-15-58	(AB)
D.T. MCKENZIE	422-05-01	(AB)

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 06

*****CHANGED 08/25/94 AT 09.38.29. SUPPLEMENT NO. 01

BUILD CONDITION

MODIFY 20 GALLON PLASTIC FUEL TANK (C/O ZJ).
TO READ 23 GALLON PLASTIC FUEL TANK (C/O ZJ).

INSTRUMENTATION REQ

ADD 1-ACCELEROMETER CENTERED ON THE FRONT OF THE FUEL
ADD TANK.

*****CHANGED 08/26/94 AT 08.09.39. SUPPLEMENT NO. 02

MECHANICAL REQ

DELETE RADIATOR AND OVERFLOW BOTTLE AT FULL LEVEL.

*****CHANGED 09/09/94 AT 09.13.59. SUPPLEMENT NO. 03

PHOTOGRAPHIC REQ

DELETE 1-PIT CAMERA FOR OVERALL VIEW OF REAR STRUCTURE.

*****CHANGED 09/09/94 AT 09.15.28. SUPPLEMENT NO. 04

BUILD CONDITION

MODIFY P215/75R15 TIRES ON ALUMINUM WHEELS & MINI-SPARE.
TO READ P215/75R15 TIRES ON STEEL WHEELS & FULL SPARE.

*****CHANGED 09/09/94 AT 09.17.12. SUPPLEMENT NO. 05

BUILD CONDITION

MODIFY 23 GALLON PLASTIC FUEL TANK (C/O ZJ).
TO READ 23 GALLON PLASTIC FUEL TANK(CURRENT PRODUCTION ZJ)

*****CHANGED 09/09/94 AT 09.44.11. SUPPLEMENT NO. 06

FUEL BALLAST

MODIFY 19 GALLONS STODDARD TOTAL.
TO READ 22 GALLONS STODDARD TOTAL.

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
TEST DATE 09/21/94

TEST PURPOSE PRIMARY, 1997 MVSS 301 DEVELOPMENT.
 FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.2 MPH
 DAMAGE LOCATION; RIGHT REAR
 IMPACT TYPE; BARRIER
 BARRIER SURFACE; PLYWOOD
 DIRECTION; 0 DEGREES

VEHICLE BODY CLASS; XJ
 CAR LINE; J
 BODY; 74
 ENGINE; 2.5 LITRE
 ENGINE NOTE; MPI
 TRANSMISSION; 5 SPEED MANUAL 4X4
 TRANS. NOTE;
 VIN AS TESTED; 1J4FJ28P?RL [REDACTED] MOD.
 VIN AS BUILT; 1J4FJ28P7RL [REDACTED] MOD.

TEST SPEED 30.3 MPH - TRAP TIMER

TEST WEIGHT (LBS) 4033 TOTAL, 2098 FRONT, 1935 REAR

OCCUPANTS LEFT FRONT, HYB II, UNINSTRUMENTED. AD-52
 RESTRAINT-UNIBELT ONLY.
 RIGHT FRONT, HYB II, UNINSTRUMENTED. AD-53
 RESTRAINT-UNIBELT ONLY.

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
TEST DATE 09/21/94

BUILD CONDITION



TARGET WEIGHT (LBS) 3374 TOTAL, 1805 FRONT, 1569 REAR REP MAX OPT WT
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 22 GALLONS STODDARD TOTAL.
300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.
50 POUNDS REAR SEAT FOOTWEL

POST TEST REMARKS FUEL LEAKAGE FROM THE FUEL TANK EXCEEDED THE
LIMITS OF THE STANDARD.

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	

DISTRIBUTION

W.A. BREITMOSER	422-05-01	(AB)
C.C. CORNEAU	514-15-58	(AB)
D.T. MCKENZIE	422-05-01	(AB)

DATE 09/22/94

TIME 07.42.44.

X, LONGITUDINAL DIMENSIONS

TEST NUMBER VC5²41, TEST ENGINEER WEIGEL
 TEST TYPE: 30 MPH REAR WITH TYPE 4 MOV. BARR. V.I.N. 1J4FJ28P?RL

LOCATION	BEFORE	AFTER	CHANGE	LOCATION	BEFORE	AFTER	CHANGE
BC1	0			BC2	160.3		
RRA RIGHT REAR AXLE	123.8	XXXX	XXXX	B1	159.9	XXXX	XXXX
RFS	51.1	XXXX	XXXX	B2	160.3	XXXX	XXXX
RMS	81.1	XXXX	XXXX			XXXX	XXXX

TRAMMEL DIMENSIONS:

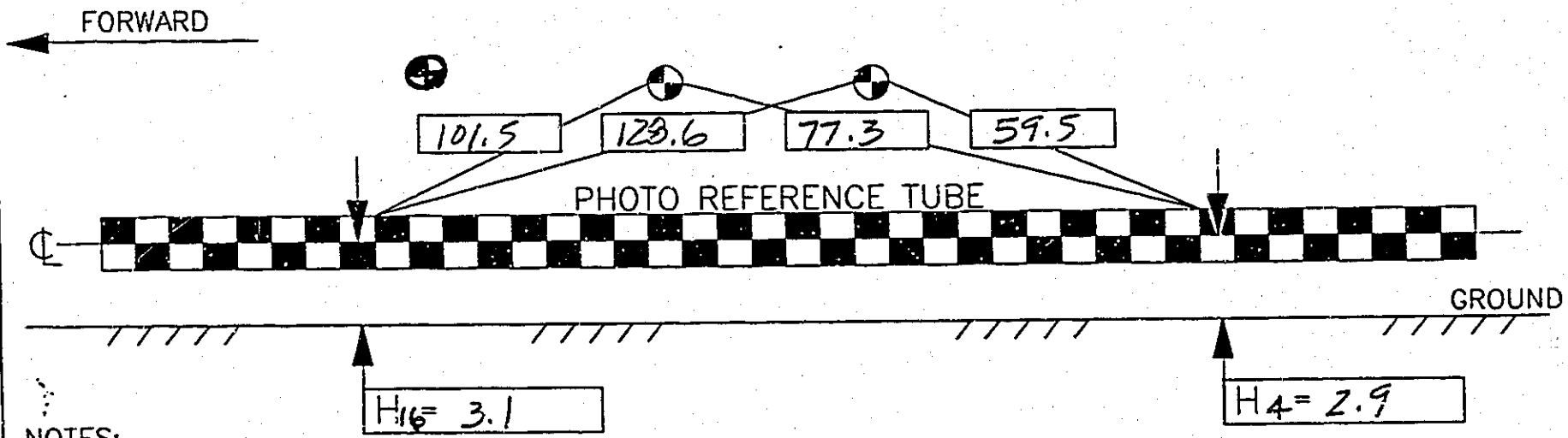
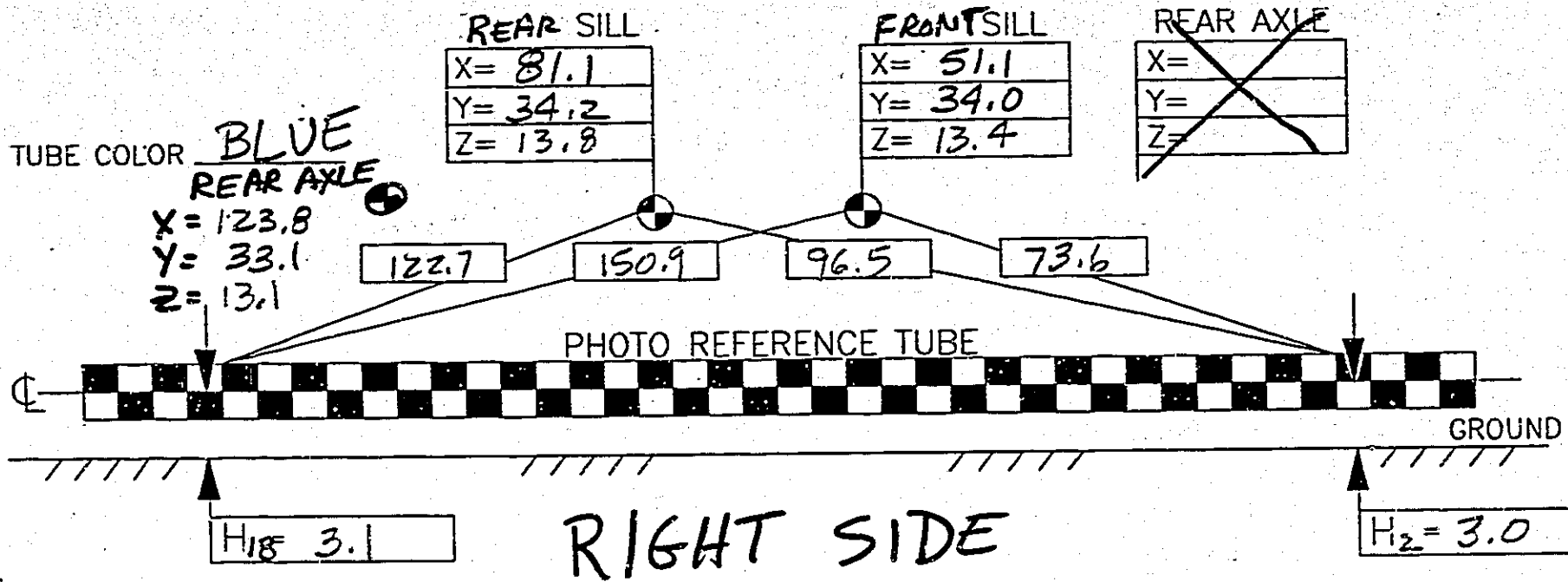
RFS-RMS 30.11

Y, LATERAL DIMENSIONS

LOCATION	BEFORE	AFTER	CHANGE	LOCATION	BEFORE	AFTER	CHANGE
BC1				BC2			
RRA RIGHT REAR AXLE	+33.1	XXXX	XXXX	B1	-18.7	XXXX	XXXX
RFS	+39.0	XXXX	XXXX	B2	18.6	XXXX	XXXX
RMS	+34.2	XXXX	XXXX			XXXX	XXXX

Z, VERTICAL DIMENSIONS

LOCATION	BEFORE	AFTER	CHANGE	LOCATION	BEFORE	AFTER	CHANGE
RRA RIGHT REAR AXLE	13.1	XXXX	XXXX			XXXX	XXXX
RFS	13.5	XXXX	XXXX			XXXX	XXXX
RMS	14.1	XXXX	XXXX			XXXX	XXXX



NOTES:

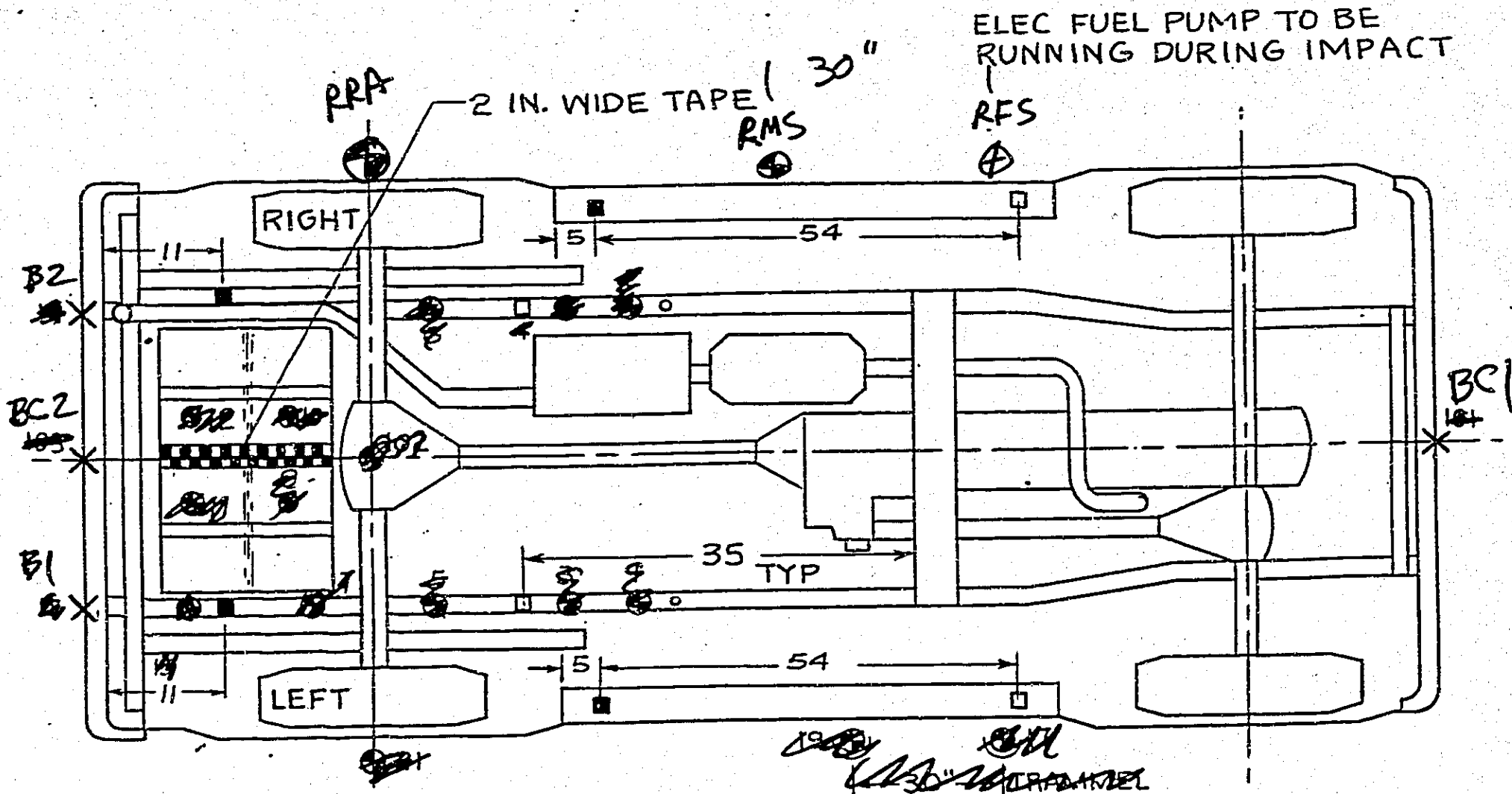
1. THE Z DIMENSION FOR THE SILL TARGETS AND REAR AXLE MUST BE RETAKEN AT THE TEST SITE
2. IF OTHER TUBE POINTS ARE USED, SO INDICATE

FOR REAR IMPACT TESTS - DIMENSIONING BETWEEN SILL TARGETS AND PHOTO REFERENCE TUBE
 TEST ENGR **BUSS**
 VC **5241**

TUBSIDE.DRW MASTFILE FA FORMS REVISED 06-11-93

THIRD SHEET 102, ITEM XJ6161K, VC 3471
 JEEP CHEROKEE 4x4
 TARGET AND ACCELEROMETER LOCATIONS
 FOR REAR IMPACTS

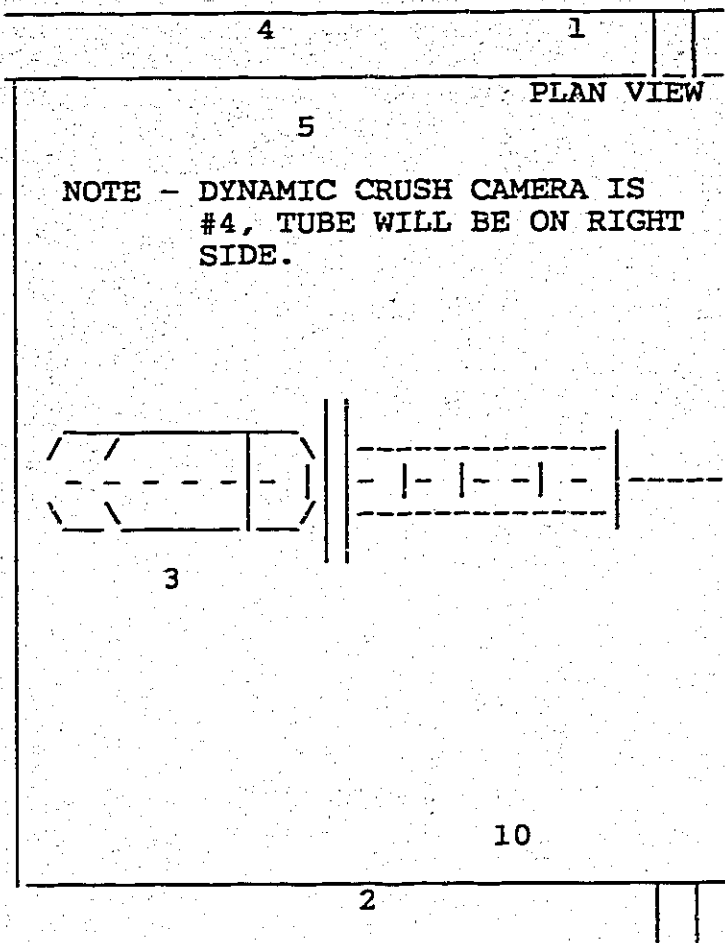
ZENONS REQD ON ROOF



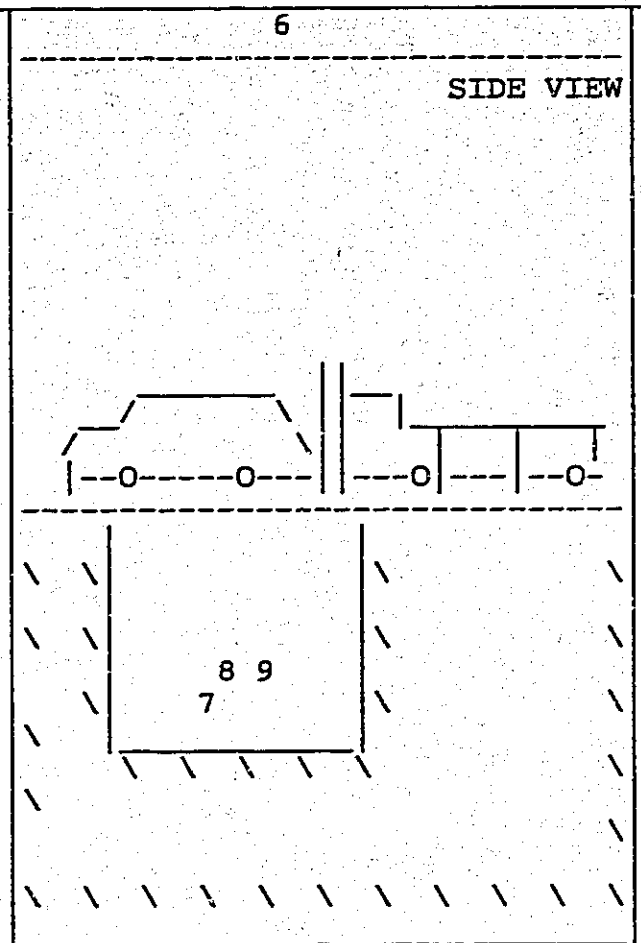
LEGEND
 X PUNCH POINT
 TARGETS
 ⊕ UNDERBODY
 ⊙ SIDE VIEW

ACCELEROMETERS
 □ SINGLE AXIS, X
 ■ BIAXIAL, X & Z

- NOTES -**
1. PRE AND POST DIMENSIONS ARE REQUIRED PER BREITMOSER LETTER OF 01-04-88
 2. NUMBERS ASSIGNED TO EACH TARGET ARE PERMANENT
 3. TARGETS MAY BE DELETED BY NUMBER PER TR.
 4. ADDITIONAL TARGETS MAY BE REQUESTED BY TR.
 5. LOCATIONS SHOWN ARE APPROX TO ± 0.5 IN. ACTUAL MEASUREMENT TO ± 0.1 INCH.



1874
1877
1875
1876
282
425
426
427
1891



TEST NUMBER VC5241 TEST TYPE: 30 MPH TYPE IV MOVING BARRIER REAR IMPACT
TEST ENGINEER BUSS REQUEST DATE : 7/11/94 VEHICLE BODY CLASS : XJ

#	VIEW DESCRIPTION A=ANALYSIS	CAM S/N	LENS F.L.	LENS S/N	LENS MFG.	F- STOP	PNL	SKT	CBL	CAM MFG
1	PANNING									
2	LT. OVERALL	1874	9mm	102313	KIN					
3	LT. CLOSE-UP LT. REAR RAIL	1875	25mm	106481						
4	A RIGHT OVERALL	1876	25mm	106467						
5	LEFT REAR CLOSE-UP	1877	18mm	107233						
6	CATWALK OVERALL	282	18mm	107230						
7	PIT OVERALL	425	13	22790	COS					
8	PIT F/TANK & SURROUNDINGS	426	25	52677	COS					
9	PIT FILLER TUBE AREA	427	25	31637	I					
10	A-VELOCITY	1891	100	7575487	WOL					
11										
12										
13										
14										

RECEIVED OCT 18 1994

FILED OCT 18 1994

INTER COMPANY CORRESPONDENCE

FILE DCR092194

DATE 10/07/94

TO
DISTRIBUTION

FROM
B. D. CARLISLE

DEPARTMENT
5320

PLANT/OFFICE
CHRYSLER CENTER

CIMS NUMBER
481-02-18

SUBJECT:
REAR DYNAMIC CRUSH ANALYSIS
VC05241 30 MPH REAR BARRIER IMPACT, XJL74.2-5L ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
TEST DATE 09/21/94

TEST PURPOSE PRIMARY, 1997 MVSS 301 DEVELOPMENT.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED: 30.2 MPH
DAMAGE LOCATION: RIGHT REAR
IMPACT TYPE: BARRIER
BARRIER SURFACE: PLYWOOD
DIRECTION: 0 DEGREES

VEHICLE BODY CLASS: XJ
CAR LINE: J
BODY: 74
ENGINE: 2.5 LITRE
ENGINE NOTE: MPI
TRANSMISSION: 5 SPEED MANUAL 4X4
TRANS. NOTE:
VIN AS TESTED: 1J4FJ28P7RL [REDACTED] MOD.
VIN AS BUILT: 1J4FJ28P7RL [REDACTED] MOD.

TEST SPEED 30.3 MPH - TRAP TIMER

TEST WEIGHT (LBS) 4033 TOTAL, 2098 FRONT, 1935 REAR

OCCUPANTS LEFT FRONT, HYB II, UNINSTRUMENTED. AD-52
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED. AD-53
RESTRAINT-UNIBELT ONLY.

BUILD CONDITION

TEST VC05241 10/07/94 14.30 PAGE 1 OF 2

TARGET WEIGHT (LBS) 3374 TOTAL, 1805 FRONT, 1569 REAR REP MAX OPT WT
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.


FUEL AND BALLAST 22 GALLONS STODDARD TOTAL.
300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.
50 POUNDS REAR SEAT FOOTWEL

POST TEST REMARKS FUEL LEAKAGE FROM THE FUEL TANK EXCEEDED THE
LIMITS OF THE STANDARD.

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.

*** NOTE ***
THIS DYNAMIC CRUSH HAS BEEN CALCULATED FROM THE RIGHT SIDE

DYNAMIC CRUSH 16.8 +OR- 1 INCH AT 66. +OR- 5 MSEC.


C. M. ANDERSON


B. D. CARLISLE

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	CENTERLINE
CAR COORD	CAR COORDINATE SYSTEM
CCH	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
ENG	ENGINE
ENGPY	ENGINE PITCH AND YAW
FESH	FRONT END SHEET METAL
FIDUCIAL	REFERENCE POINT OR TARGET
FS	FRONT SILL TARGET
FWD	FORWARD
IP	INSTRUMENT PANEL TARGET
LBS	POUNDS
LCP.LQP	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 BEL3W TRAILING
NOSE-UP	LEADING END ABOVE TRAILING
PERF	PERFORMANCE
REF	REFERENCE
REL	RELATIVE TO (ONE-DIMENSIONAL)
RCP.RQP	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	THROTTLE 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)
ZEROED	SHIFTED TO START AT ZERO
ZERO-IN	ZEROED INCHES
ZERO-MM	ZEROED MILLIMETERS

IMPACT ANALYSIS
DEPARTMENT 5320
10/07/94 14.30
TEST VC05241

EA12-005-Chrysler-000714

VC05241 30 MPH REAR BARRIER IMPACT, XJJL74.2-5L ITEM XJ6767R
 1S97 MVSS 301 DEVELOPMENT.

ZEROED X MOTION OF F2 REL TO F5 IN BASE COORD SYS
 VERSUS TIME IN MILLISECONDS

RIGHT SIDE DYNAMIC CRUSH AND REAR WHEEL MOTION ANALYSIS

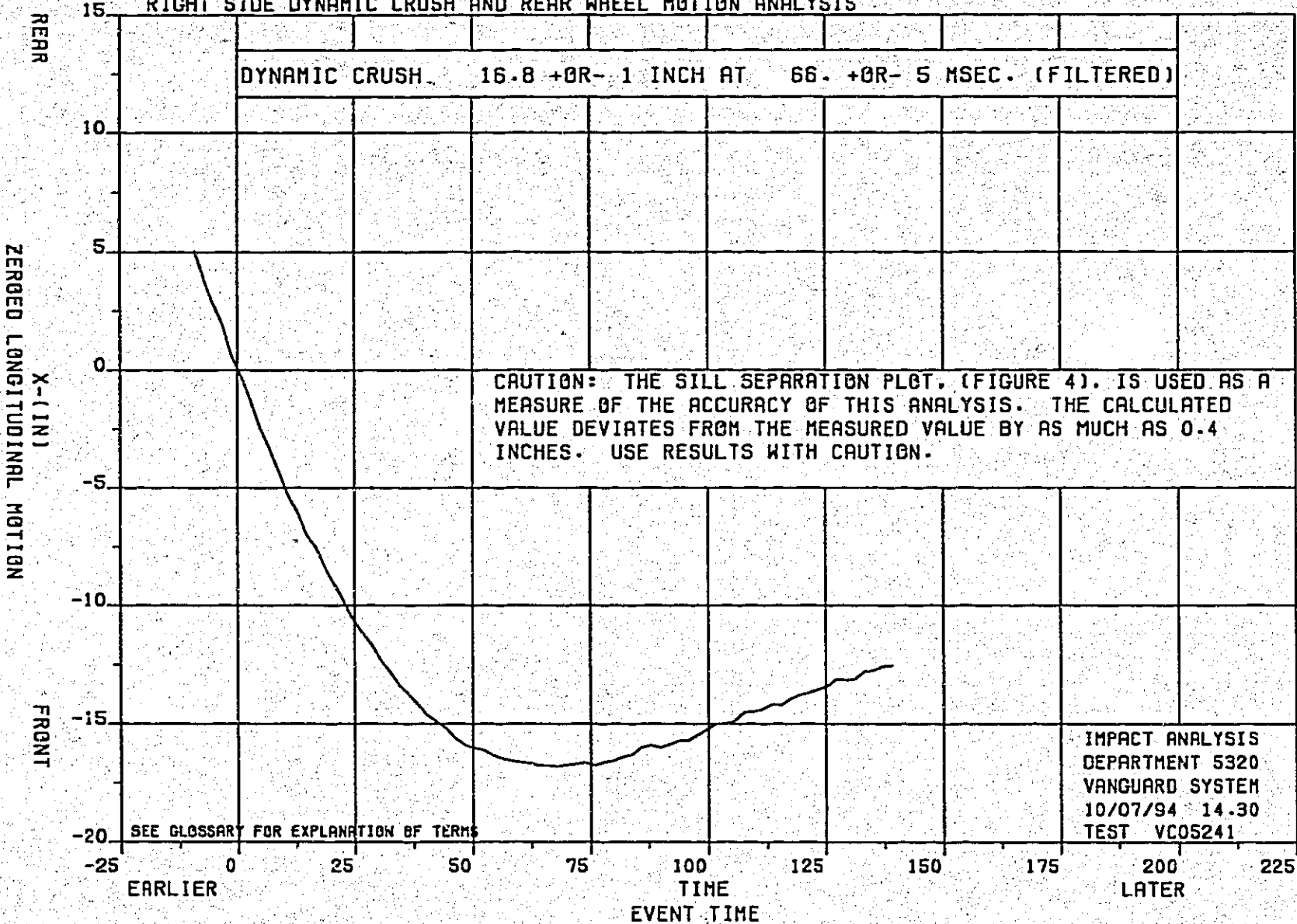


FIGURE 1

VC05241 30 MPH REAR BARRIER IMPACT, XJL74.2-5L ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

ZEROED Z OF WHEEL RELATIVE TO FS IN CAR COORD
VERSUS ZEROED X OF WHEEL RELATIVE TO FS IN CAR COORD

RIGHT SIDE DYNAMIC CRUSH AND REAR WHEEL MOTION ANALYSIS

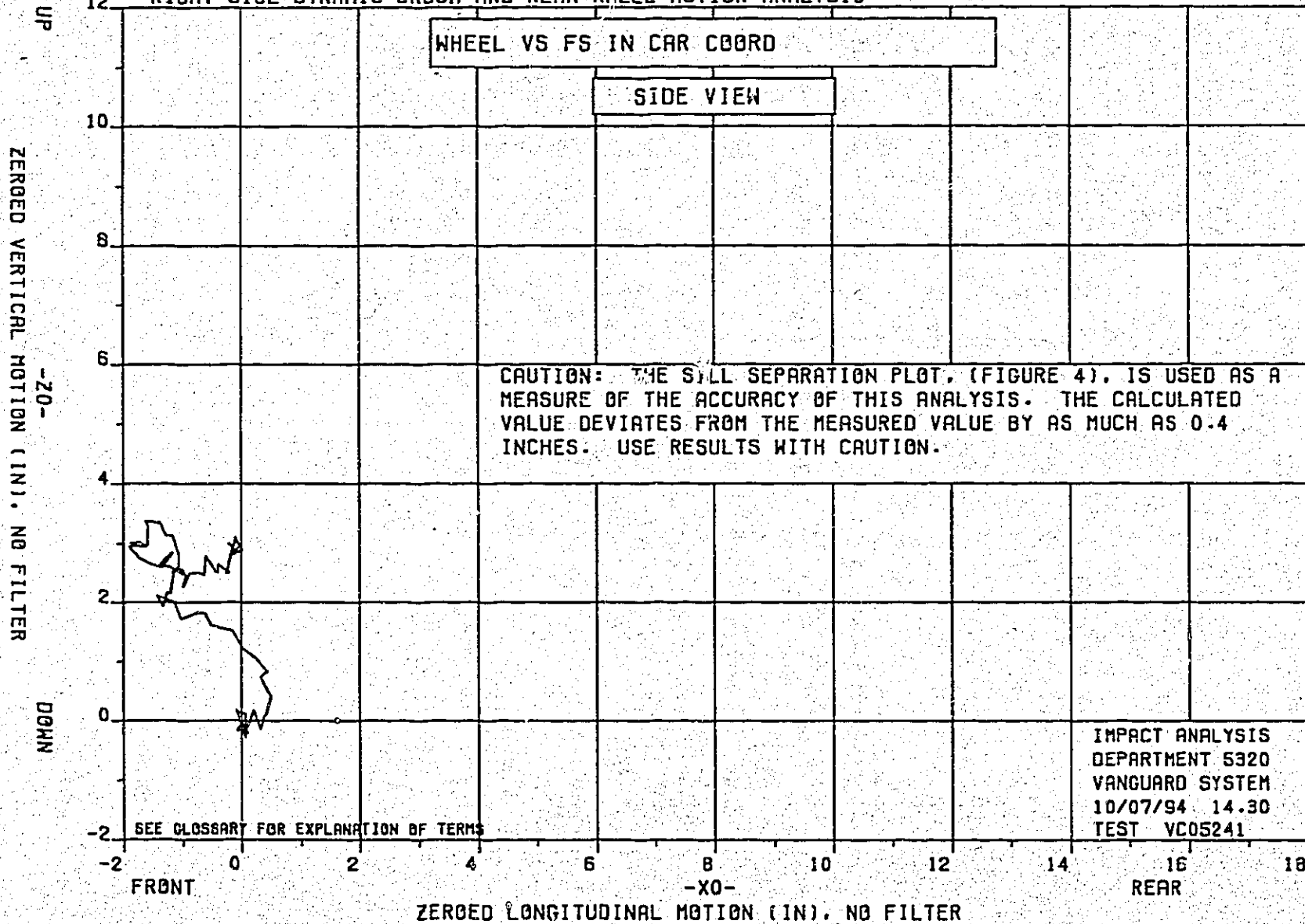


FIGURE 2

VC05241 30 MPH REAR BARRIER IMPACT, XJL74.2-5L ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.

ZEROED PITCH OF MS TO FS IN BASE COORD SYSTEM
 VERSUS TIME IN MILLISECONDS

RIGHT SIDE DYNAMIC CRUSH AND REAR WHEEL MOTION ANALYSIS

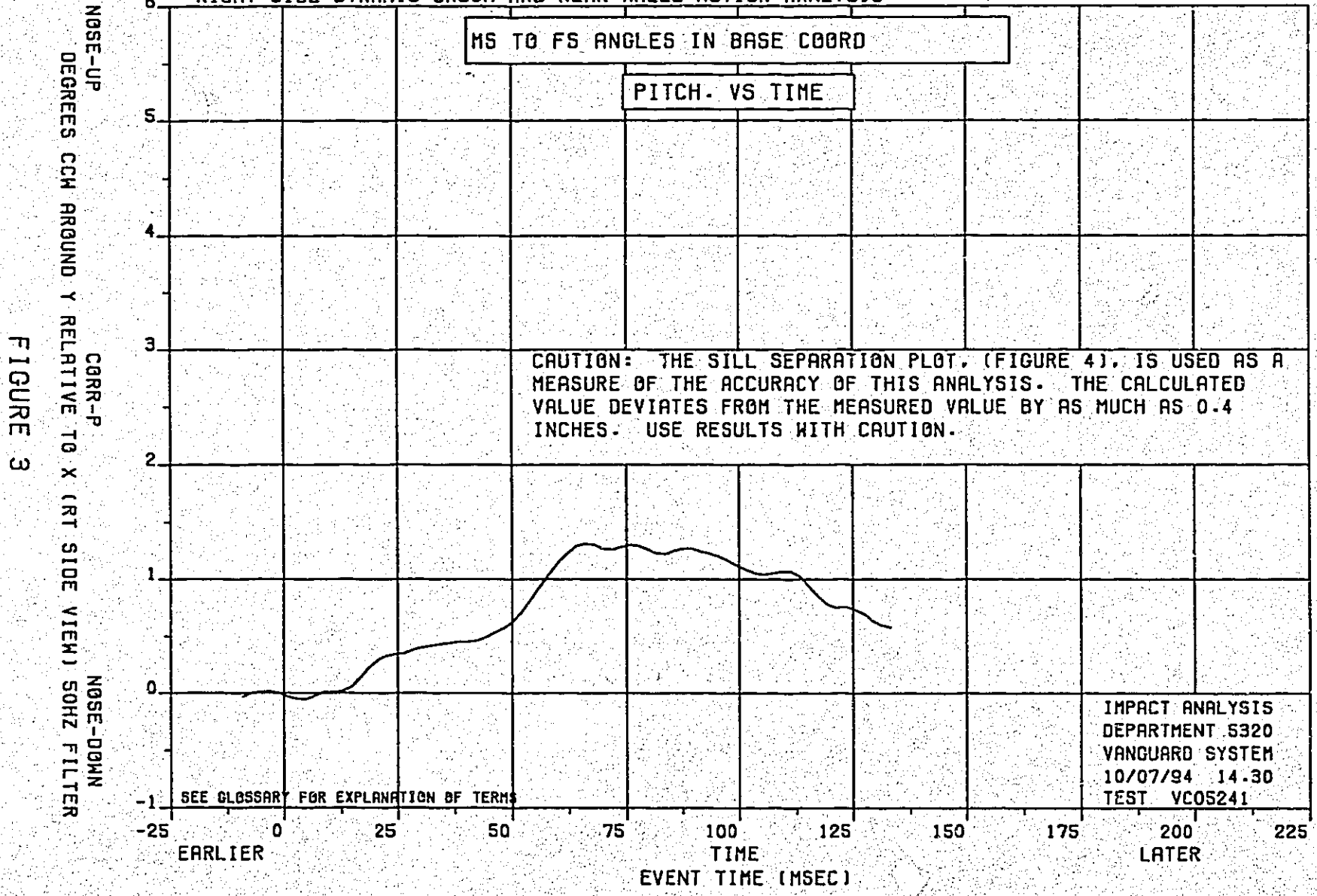


FIGURE 3

VC05241 30 MPH REAR BARRIER IMPACT, XJL74.2-SL ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

MS TO FS DISTANCE -30.11 INCHES (INITIAL DIST) (IN)
VERSUS TIME IN MILLISECONDS

RIGHT SIDE DYNAMIC CRUSH AND REAR WHEEL MOTION ANALYSIS

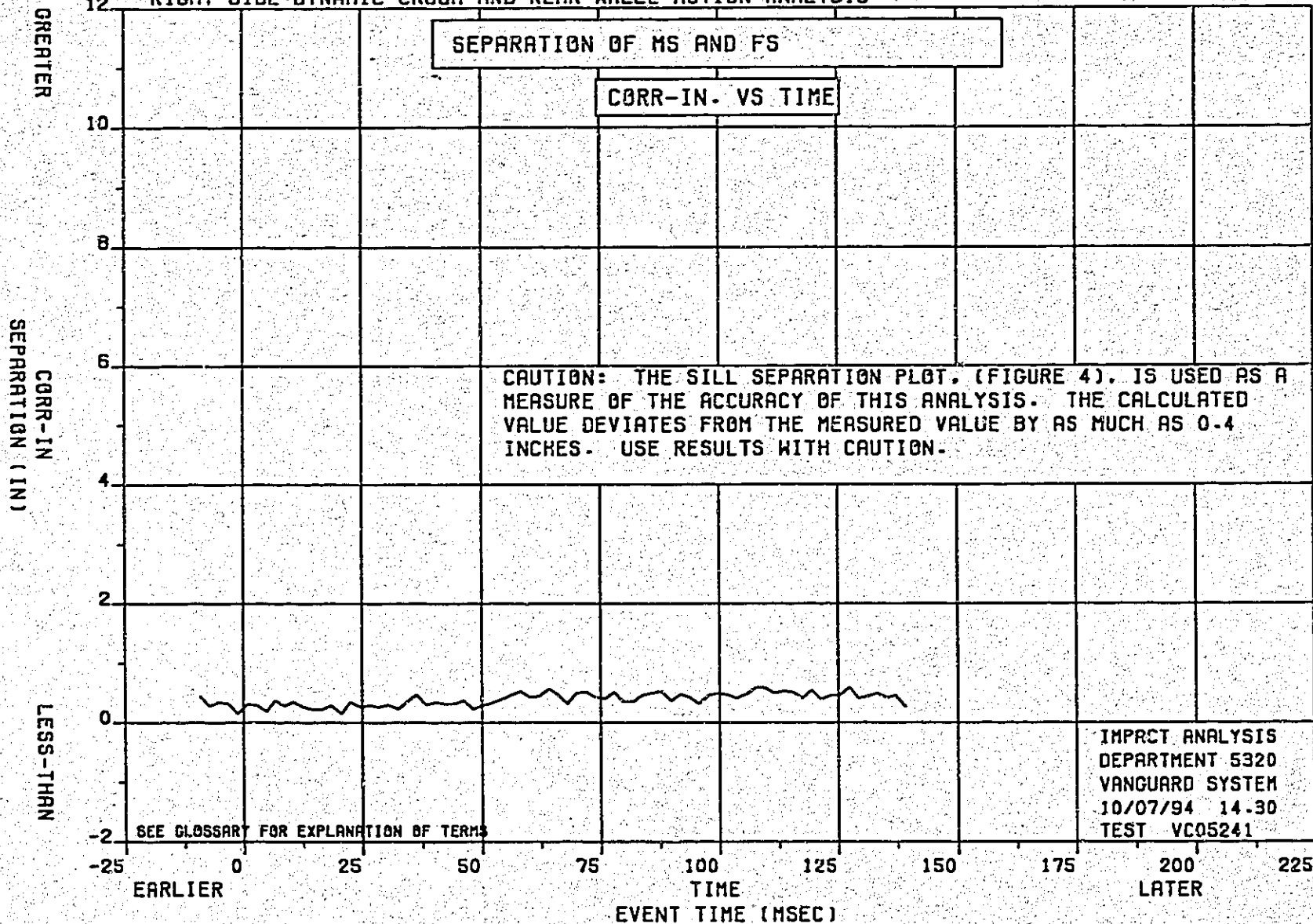
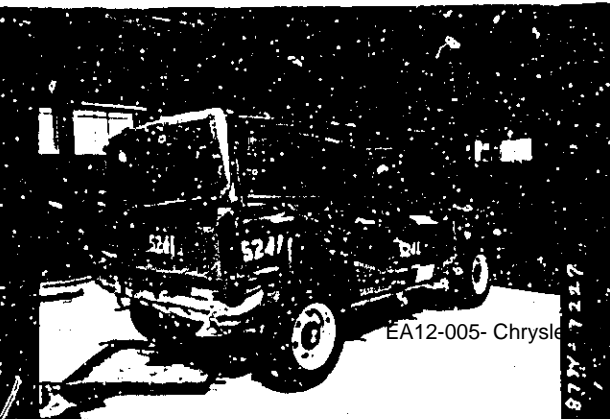
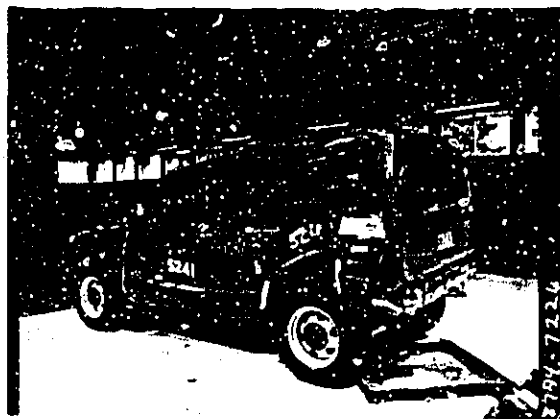
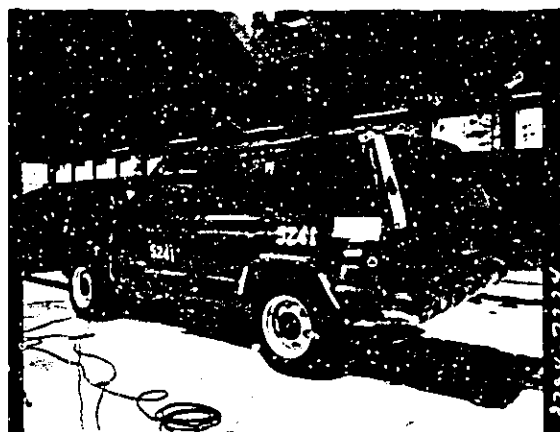
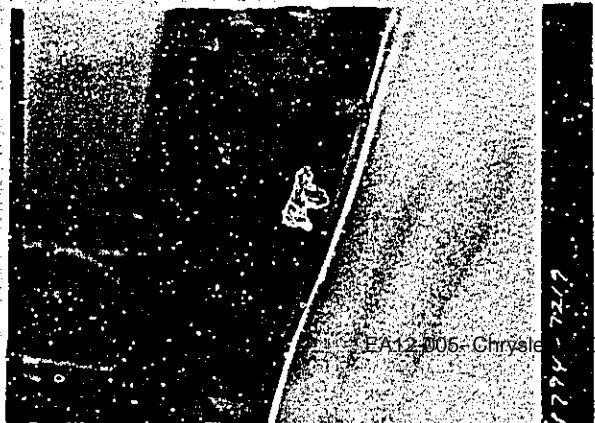
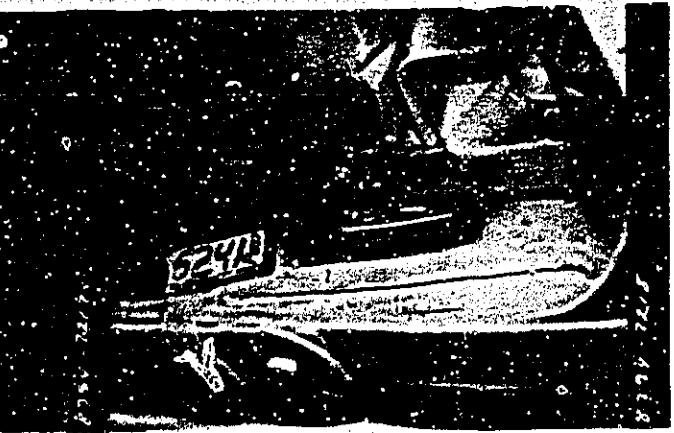
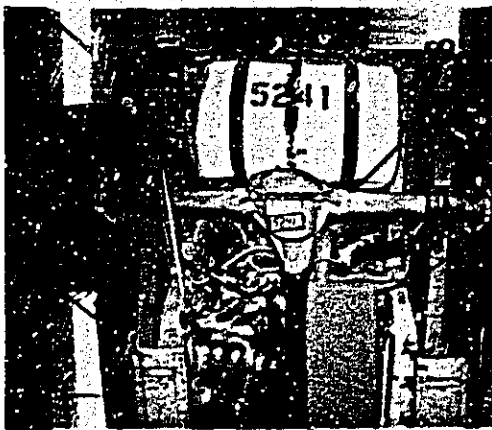
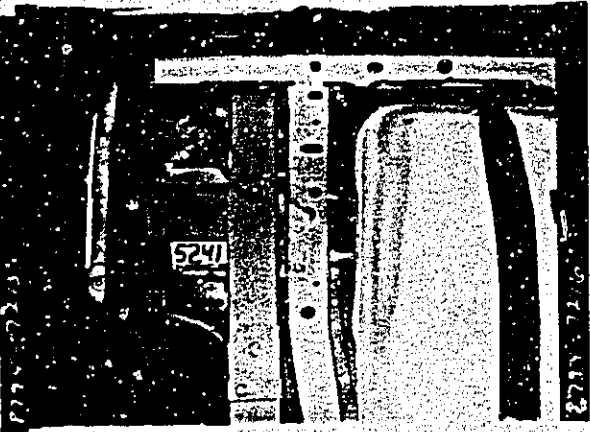
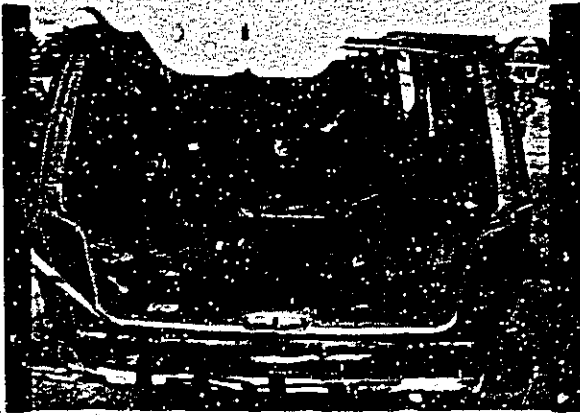


FIGURE 4





VC05241

ELECTRONIC TRANSDUCER DATA

TEST DATE:
09/21/94

TEST DATE:
09/21/94

ELECTRONIC TRANSDUCER DATA

VC05241

ITEM NO XJ6767R

DATA SET
09/21/94BD

IMPACT ANALYSIS
DEPARTMENT 5320
CODE EDP

S. MARCHENIA

MICROFICHE INCLUDED - 46 GRAPHS

VC05241 30 MPH REAR BARRIER IMPACT. XJL74.2.5L ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

TEST PURPOSE PRIMARY. 1997 MVSS 301 DEVELOPMENT.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED: 30.2 MPH
DAMAGE LOCATION: RIGHT REAR
IMPACT TYPE: BARRIER
BARRIER SURFACE: PLYWOOD
DIRECTION: 0 DEGREES

VEHICLE BODY CLASS: XJ
CAR LINE: J
BODY: 74
ENGINE: 2.5 LITRE
ENGINE NOTE: MPI
TRANSMISSION: 5 SPEED MANUAL 4X4
TRANS. NOTE:
VIN AS TESTED: 1J4FJ28P?RL [REDACTED] MOD.
VIN AS BUILT: 1J4FJ28P7RL [REDACTED] MOD.

TEST SPEED 30.3 MPH - TRAP TIMER

TEST WEIGHT (LBS) 4033 TOTAL. 2098 FRONT. 1935 REAR

OCCUPANTS LEFT FRONT. HYB II. UNINSTRUMENTED. AD-52
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT. HYB II. UNINSTRUMENTED. AD-53
RESTRAINT-UNIBELT ONLY.

BUILD CONDITION

TARGET WEIGHT (LBS) 3374 TOTAL. 1805 FRONT. 1569 REAR REP MAX OPT WT
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 22 GALLONS STODDARD TOTAL.
300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.
50 POUNDS REAR SEAT FOOTWEL

EA12-005- Chrysler -000721

IMPACT ANALYSIS. DEPARTMENT 5320

VC05241

ELECTRONIC TRANSDUCER DATA

TEST DATE:
09/21/94

TEST DATE:
09/21/94

ELECTRONIC TRANSDUCER DATA

VC05241

ITEM NO.XJ6767R

DATA SET
09/21/94BD

IMPACT ANALYSIS
DEPARTMENT 5320
CODE EDP

S. MARCHENIA

MICROFICHE INCLUDED - 46 GRAPHS

VC05241 30 MPH REAR BARRIER IMPACT. XJJL74.2.5L ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

POST TEST REMARKS FUEL LEAKAGE FROM THE FUEL TANK EXCEEDED THE
LIMITS OF THE STANDARD.

A MICROFICHE HAS BEEN PREPARED AND IS AVAILABLE UPON
REQUEST WITH THE GRAPHS AT COORDINATES AS FOLLOWS:

- A 4- 6 TRANSDUCER SUMMARY REPORT
- A 7- 8 AVERAGE OF SILLS
- B 1. 2 LEFT FRONT SILL X
- B 3. 4 RIGHT FRONT SILL X
- B 5. 6 LEFT REAR SILL X
- B 7. 8 LEFT REAR SILL Z
- B 9. 10 RIGHT REAR SILL X
- B 11. 12 RIGHT REAR SILL Z
- B 13. 14 LT RAIL FT SPRG HNGR X
- C 1. 2 RT RAIL FT SPRG HNGR X
- C 3. 4 LT RAIL MID TANK X
- C 5. 6 LT RAIL MID TANK Z
- C 7. 8 RT RAIL MID TANK X
- C 9. 10 RT RAIL MID TANK Z
- C 11. 12 FUEL TANK CENT FT X
- C 13. 14 AECM TOP X
- D 1. 2 AECM TOP Y
- D 3. 4 AECM TOP Z
- D 5. 6 TRW INTER ACCEL G
- D 7 TRW SQUIB
- D 8 TRW SAFING SENS
- D 9. 10 LT RAIL MBAR MID X
- D 11. 12 RT RAIL MBAR MID X
- CC W. A. BREITMOSER 422-05-01
- C. C. CORNEAU 514-15-58
- D. T. MCKENZIE 422-05-01

TRANSDUCER SUMMARY REPORT

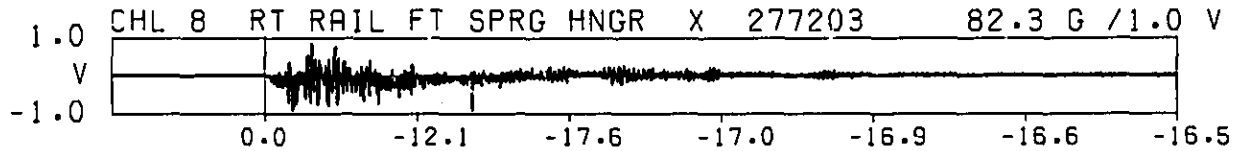
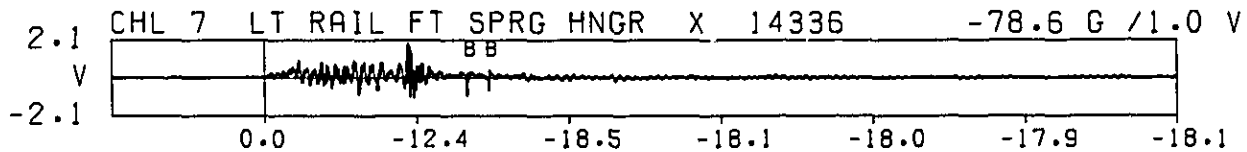
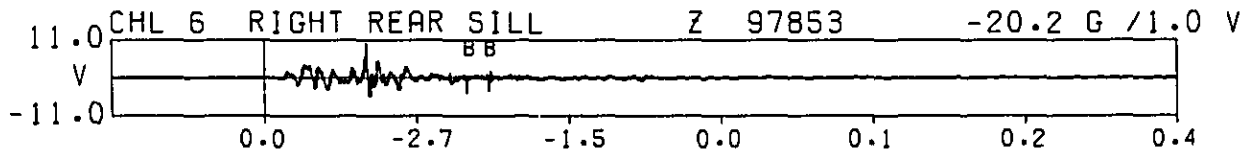
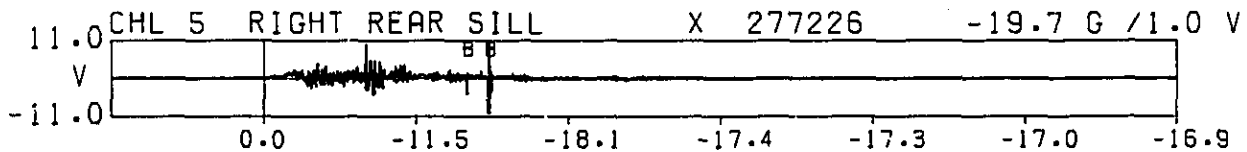
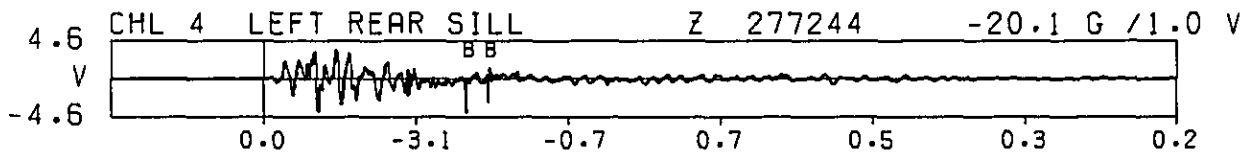
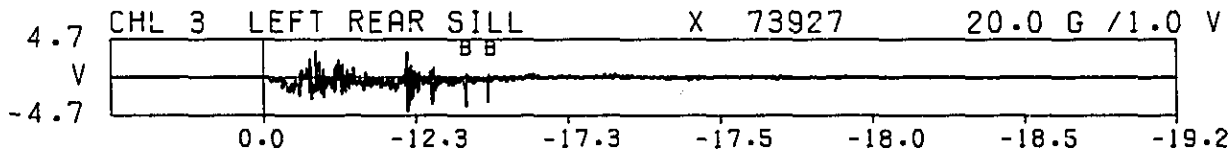
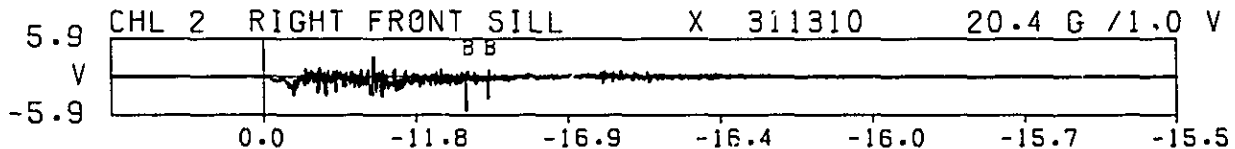
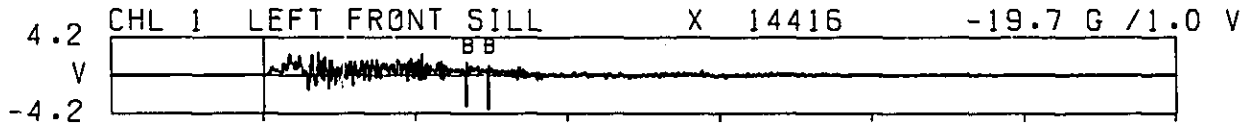
VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320

DATA SET 09/21/94BD

ERRATA 1

SEP 22.1994

-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

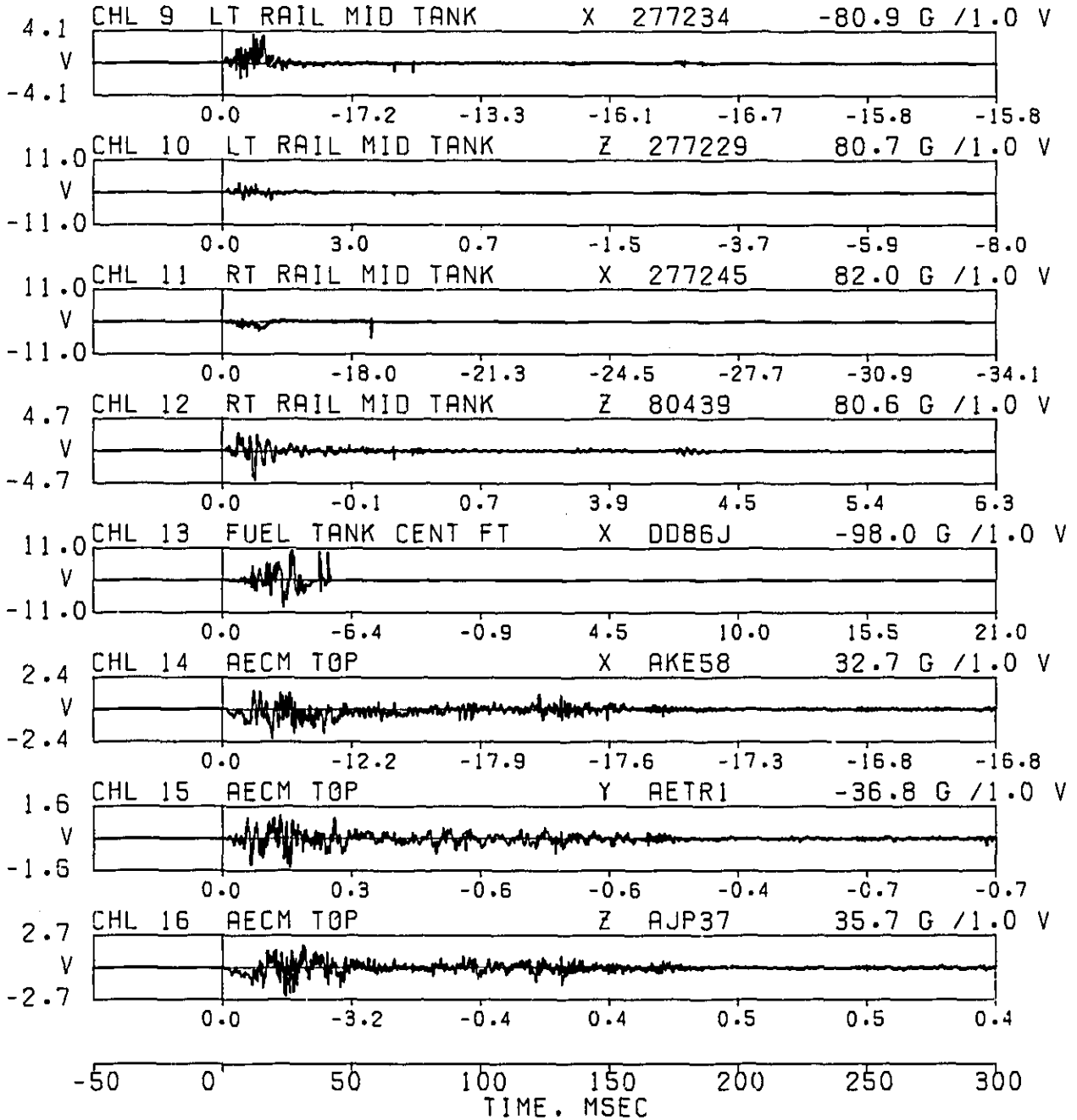
VC05241 30 MPH REAR BARRIER IMPACT. XJJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320

DATA SET 09/21/94BD

ERRATA 1

SEP 22.1994

-50 0 50 100 150 200 250 300



TRANSDUCER SUMMARY REPORT

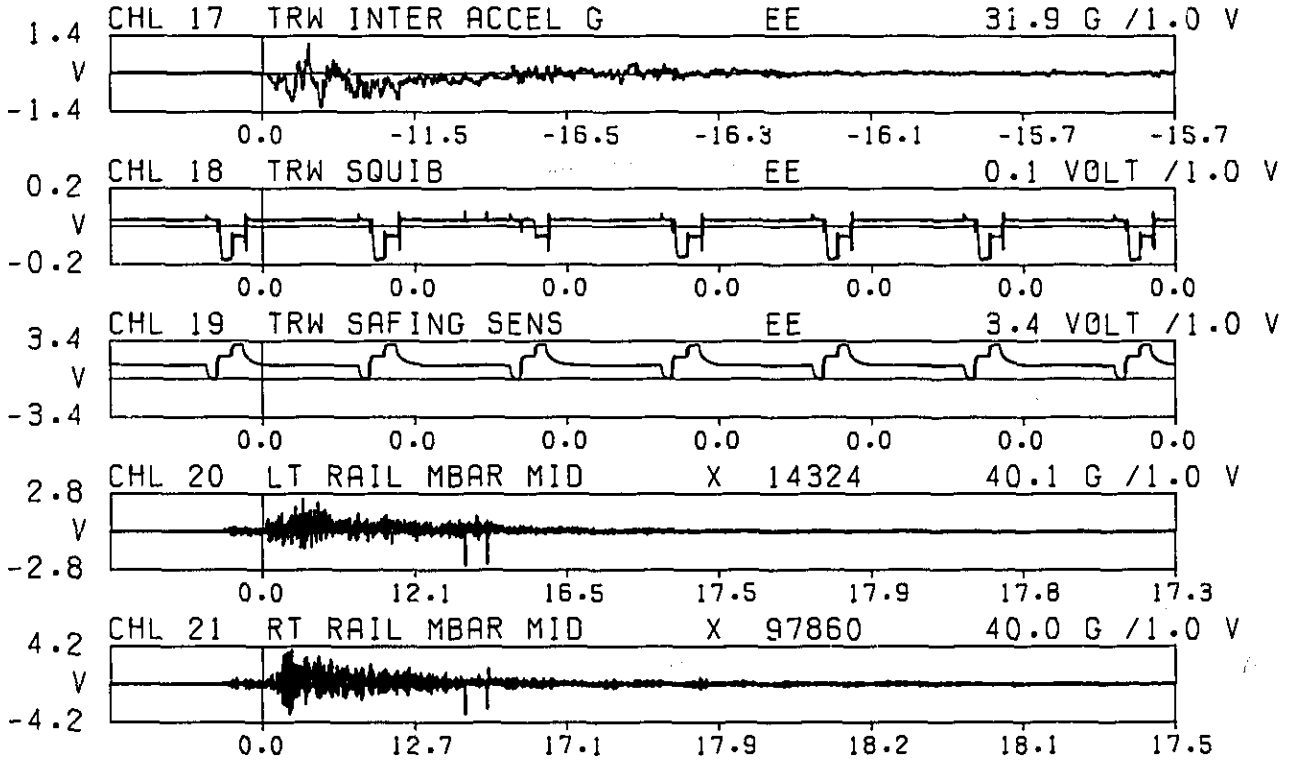
VC05241 30 MPH REAR BARRIER IMPACT. XJJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
IMPACT ANALYSIS DEPT. 5320

DATA SET 09/21/94BE

ERRATA 1

SEP 22.1994

-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-.

VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL	X	14416
CHANNEL 002 RIGHT FRONT SILL	X	311310
CHANNEL 003 LEFT REAR SILL	X	73927
CHANNEL 005 RIGHT REAR SILL	X	277226

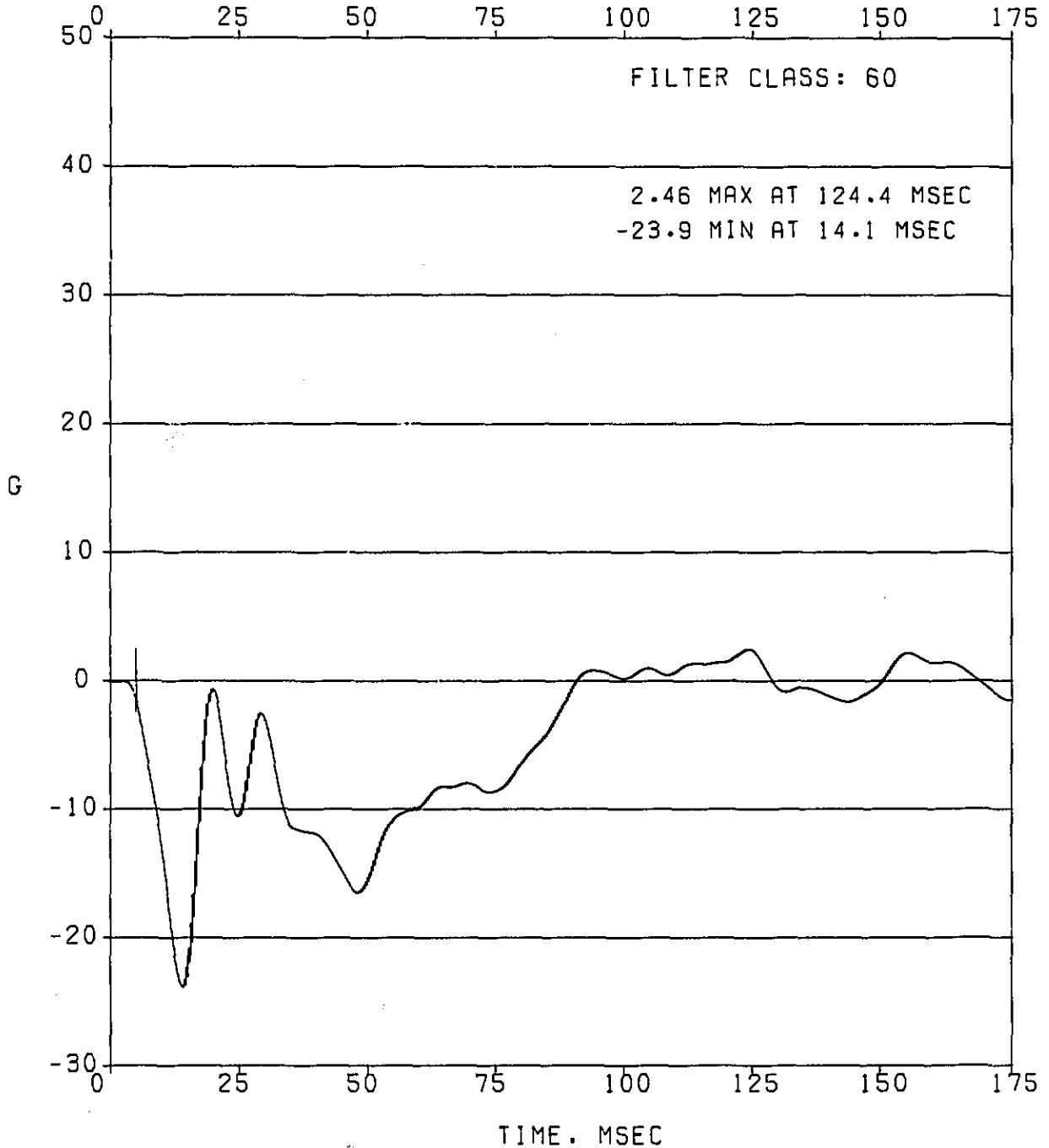
FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86

IMPACT ANALYSIS DEPT. 5320

DATA SET 09/21/94BD

SEP 22.1994

ERRATA 1



VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL	X	14416
CHANNEL 002 RIGHT FRONT SILL	X	311310

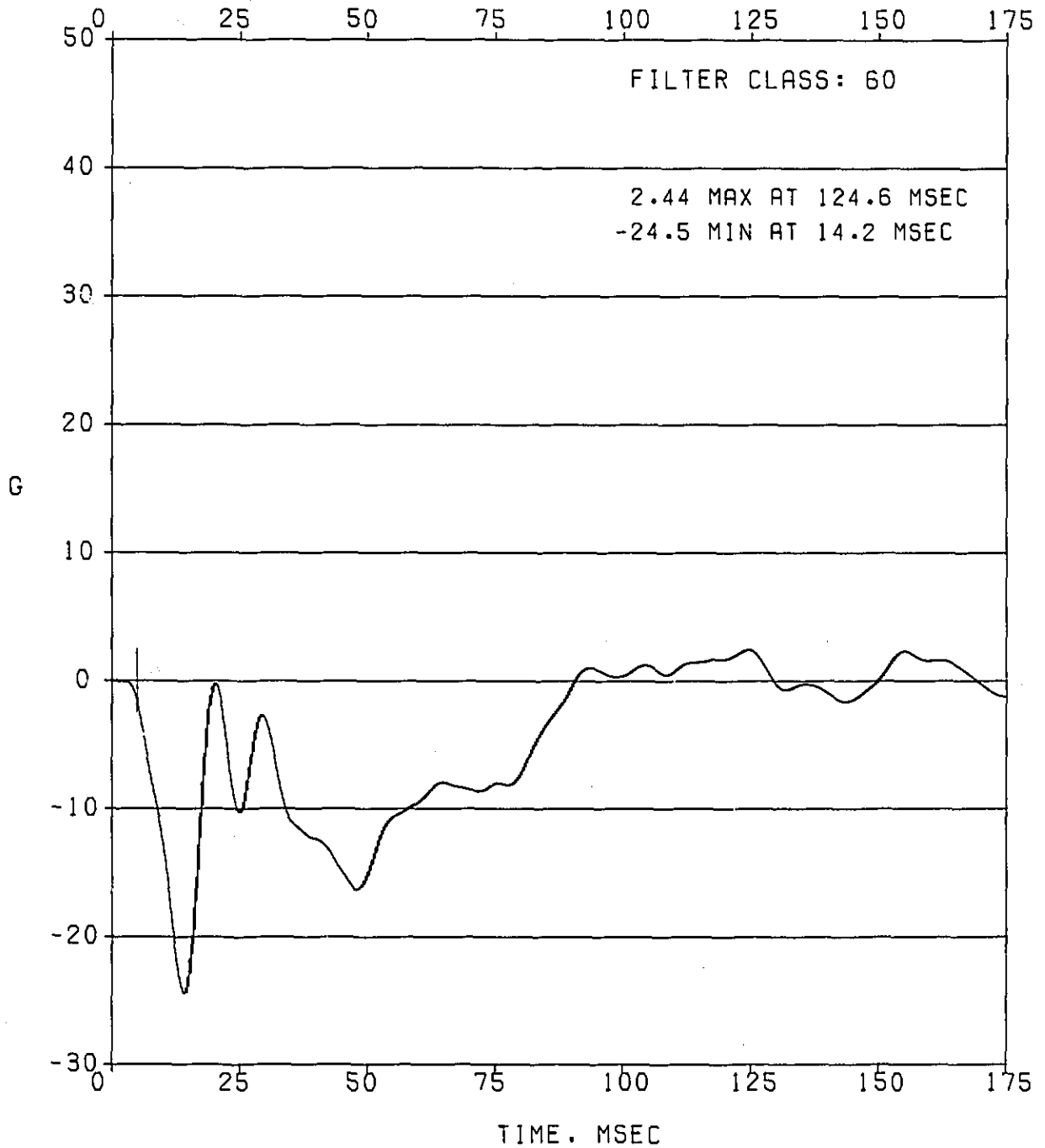
FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86

IMPACT ANALYSIS DEPT. 5320

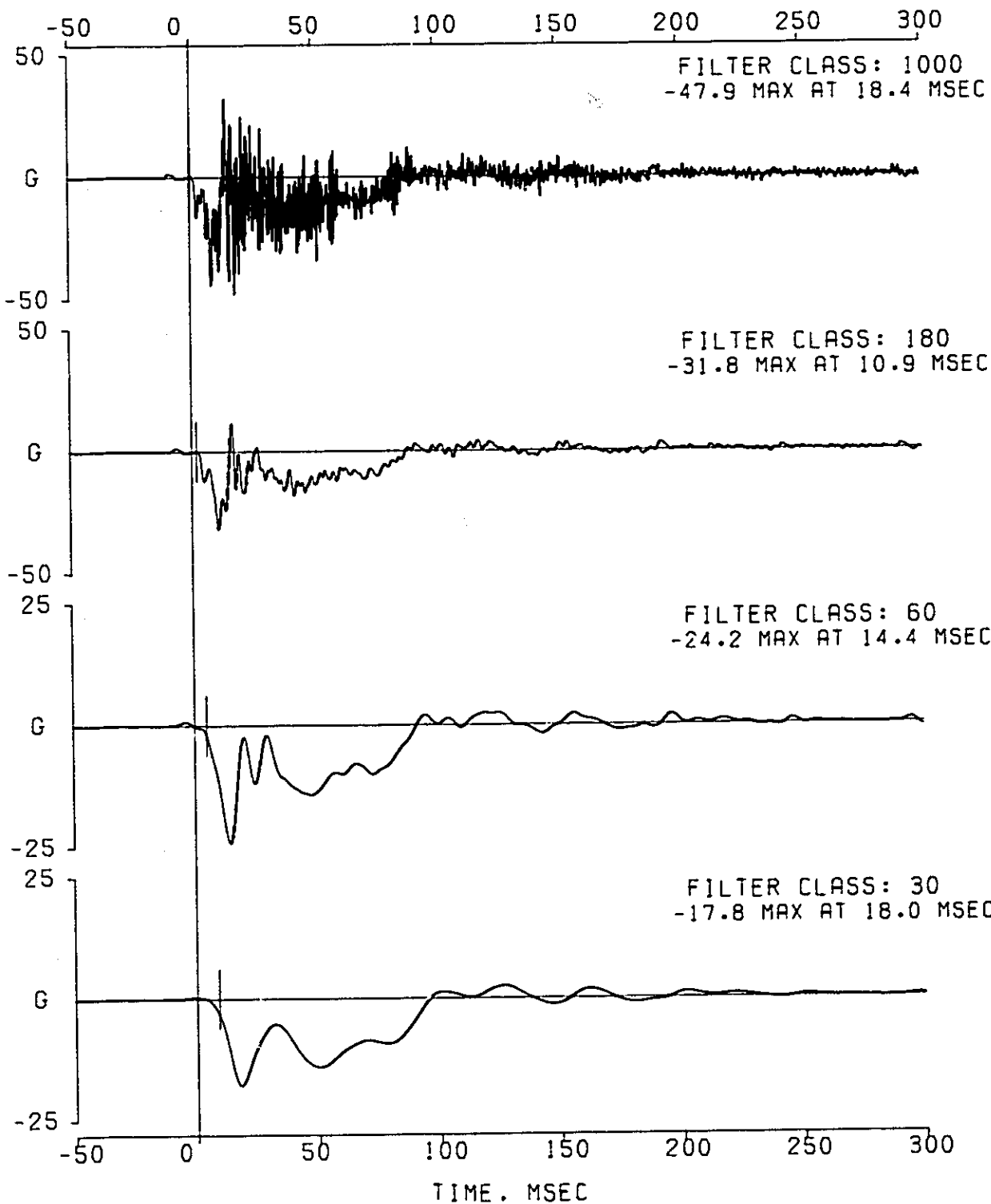
DATA SET 09/21/94BD

SEP 22.1994

ERRATA 1



VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 001 LEFT FRONT SILL X 14416
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

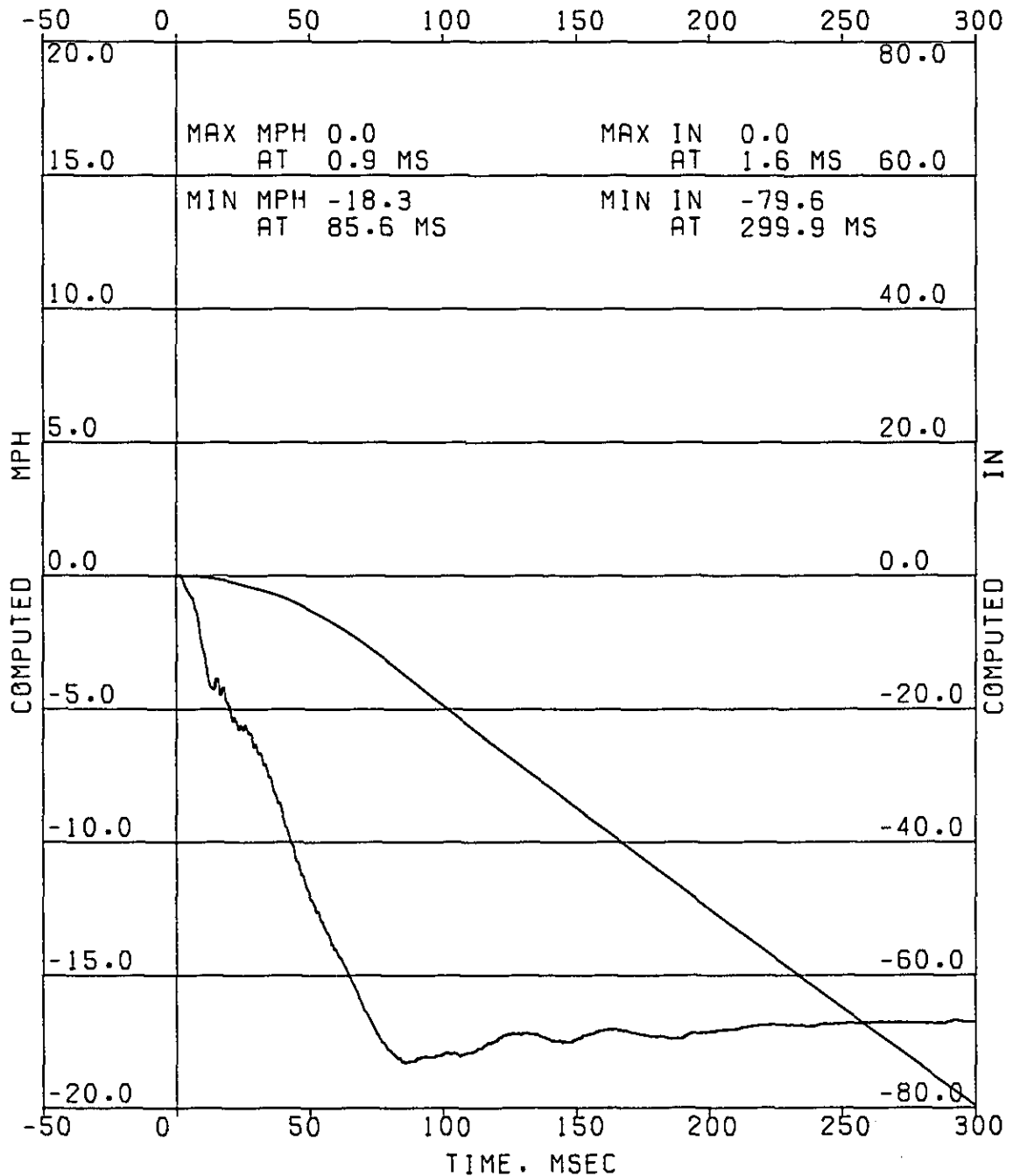


VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 001 LEFT FRONT SILL X 14416

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

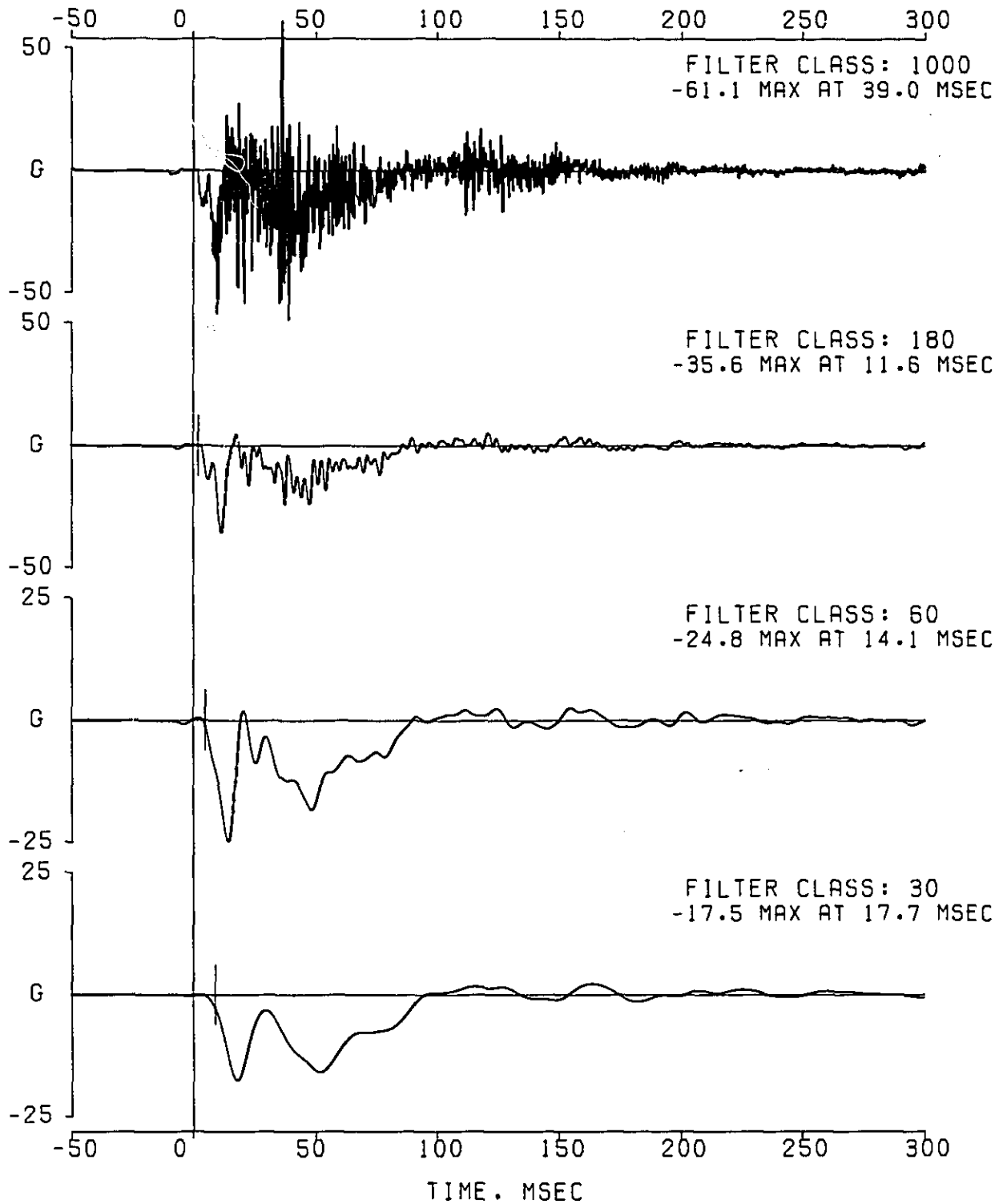
IMPACT ANALYSIS DEPT. 5320
 SEP 22, 1994

DATA SET 09/21/94BD
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 002 RIGHT FRONT SILL X 311310
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

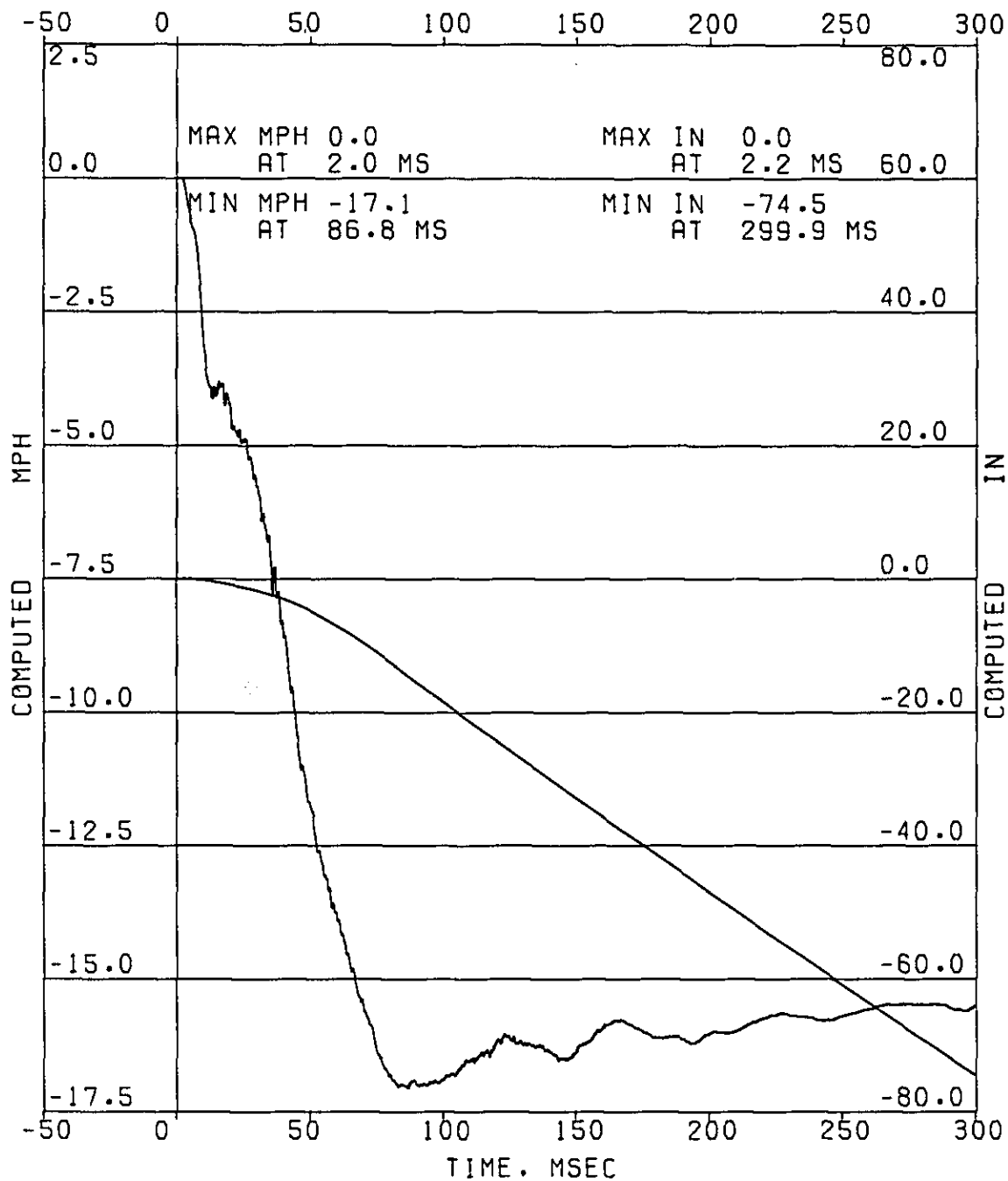


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 002 RIGHT FRONT SILL X 311310

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

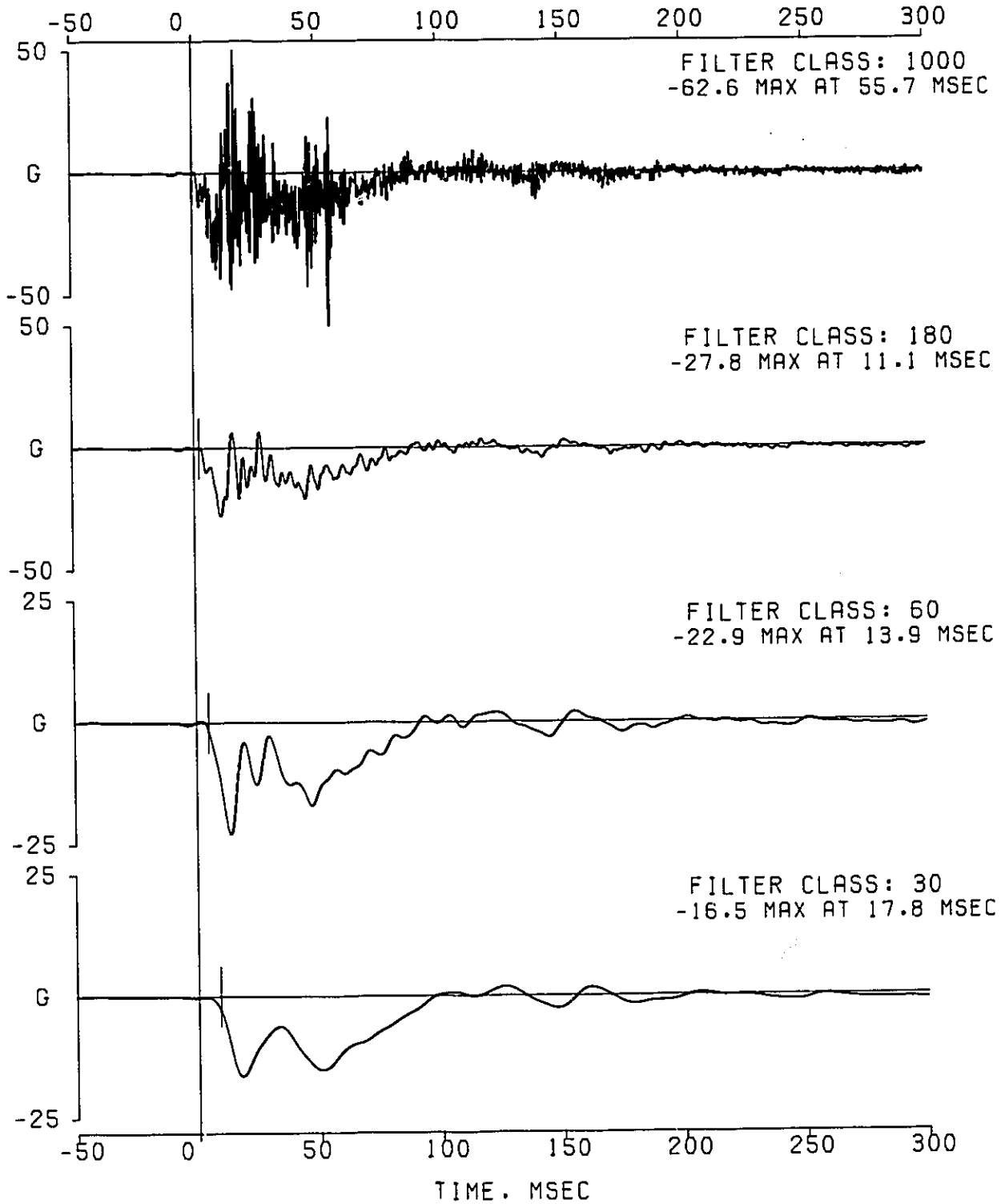
IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 003 LEFT REAR SILL X 73927
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

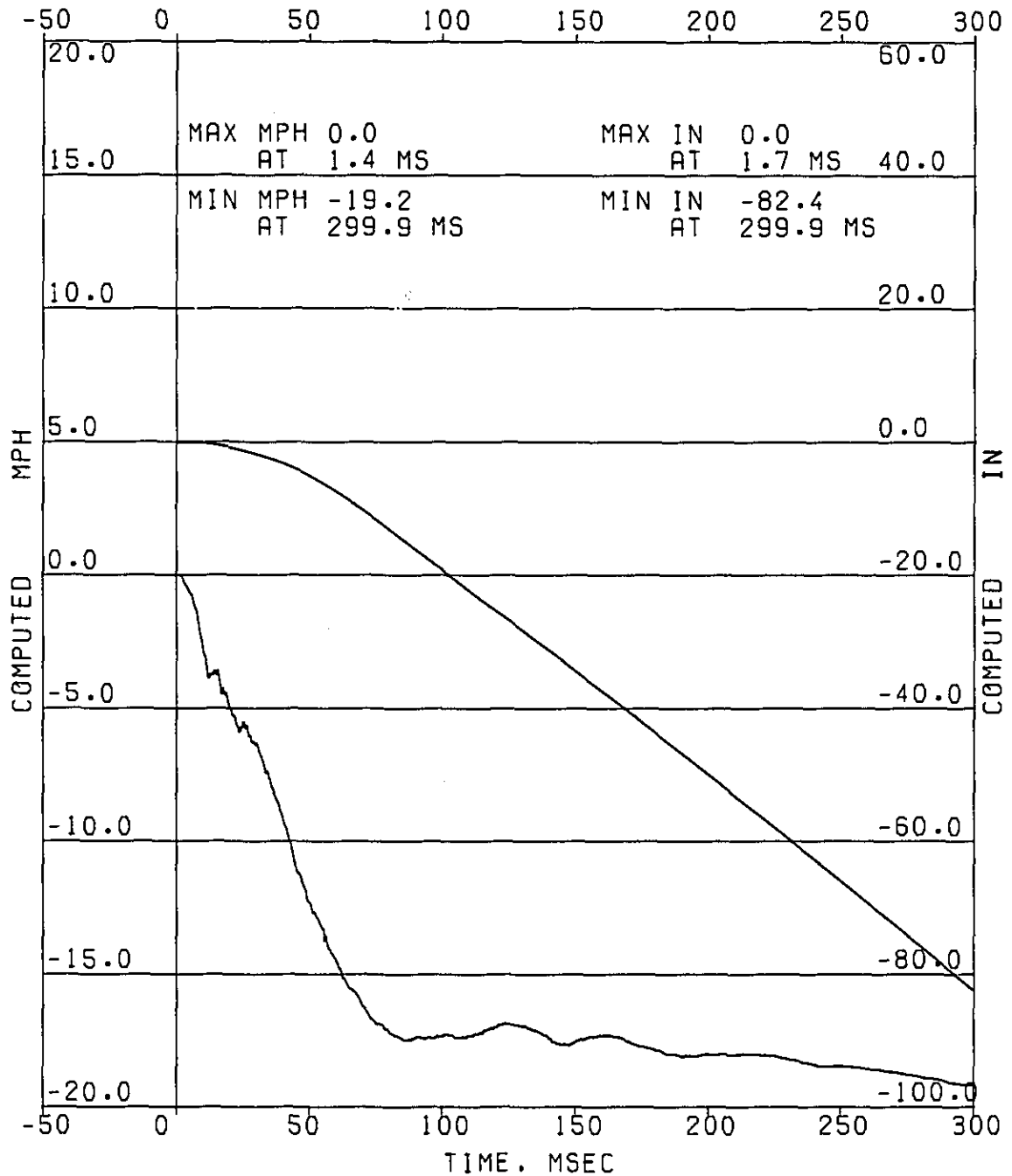


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 003 LEFT REAR SILL X 73927

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

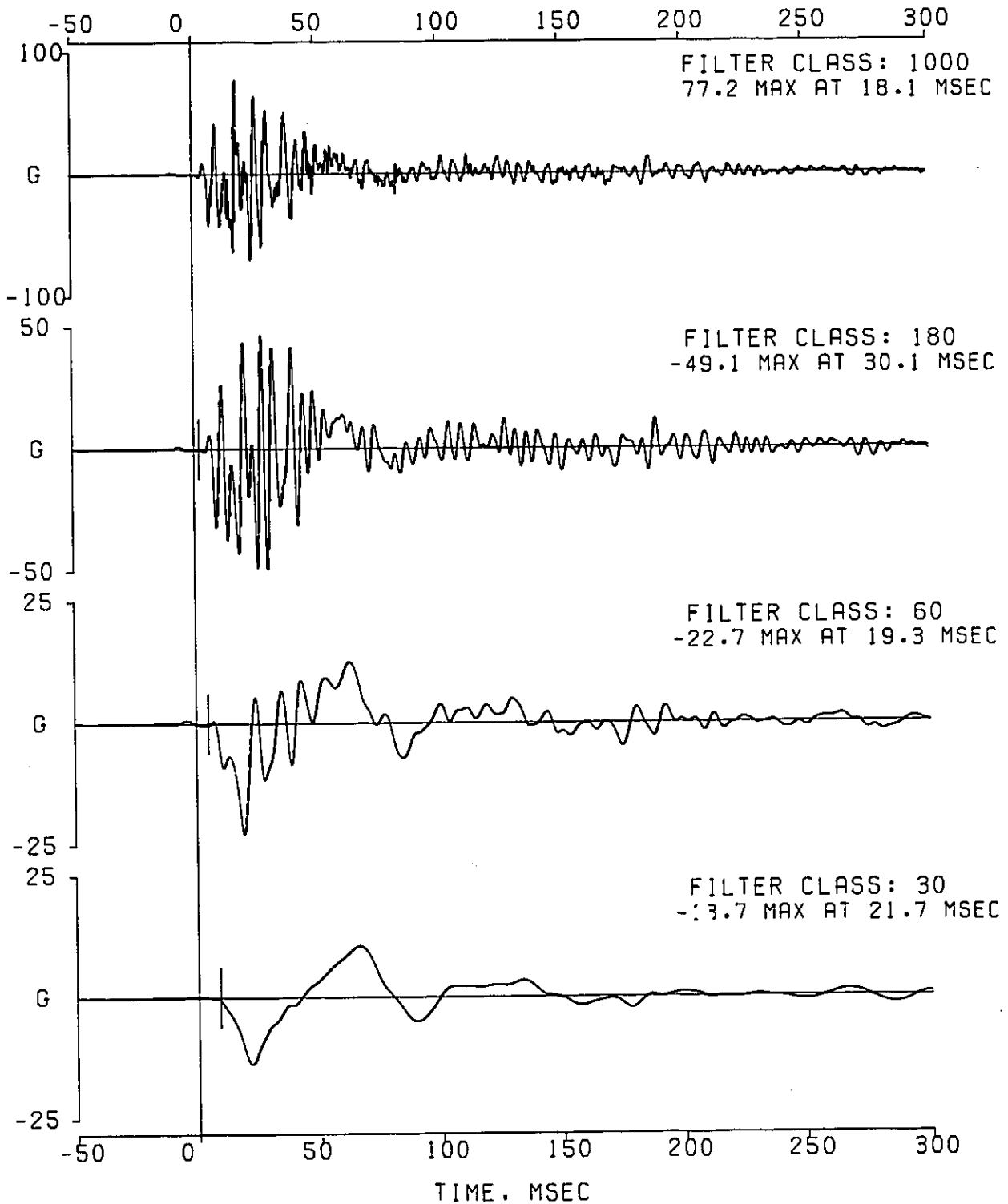
IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 004 LEFT REAR SILL Z 277244
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

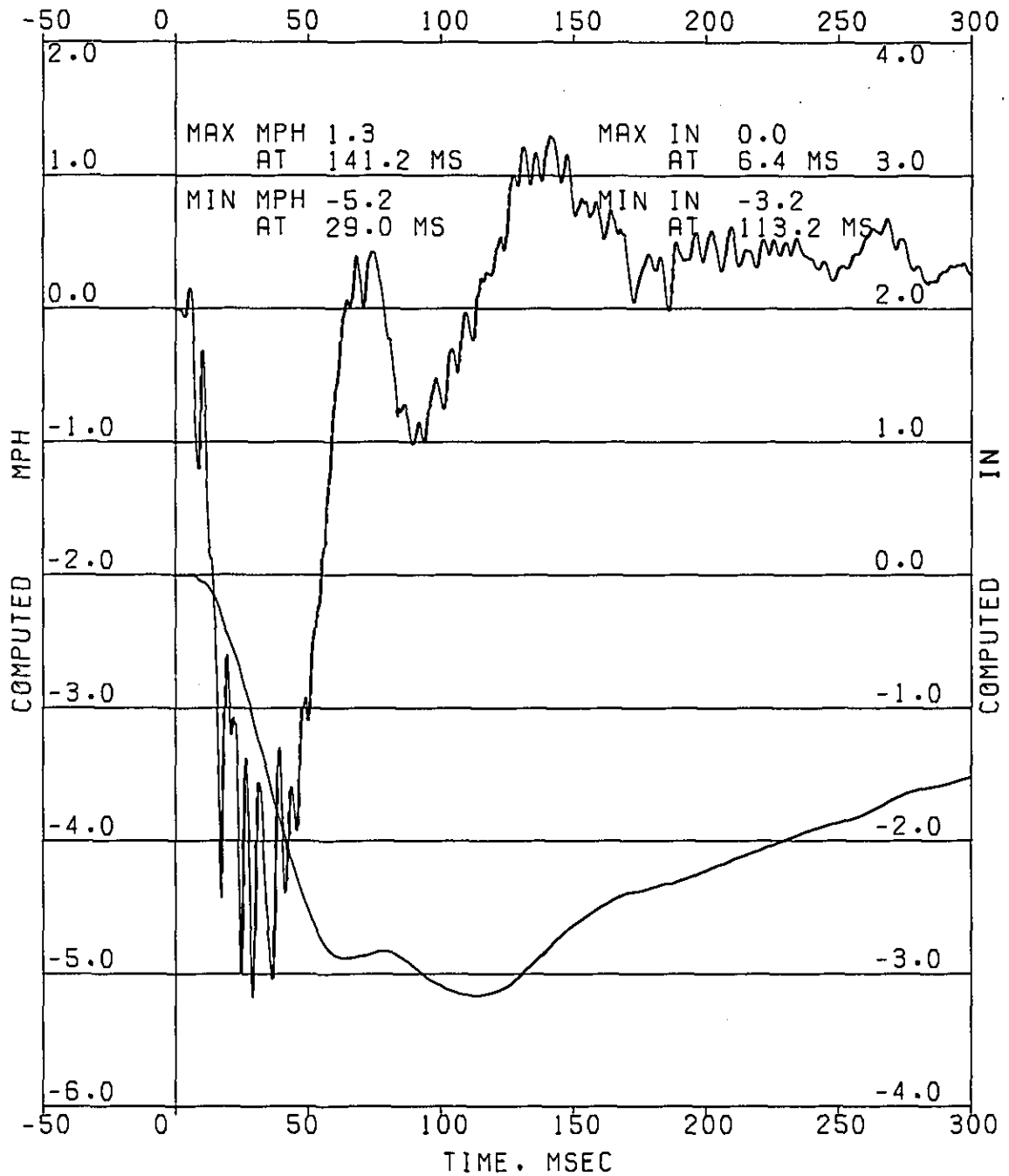


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 004 LEFT REAR SILL Z 277244

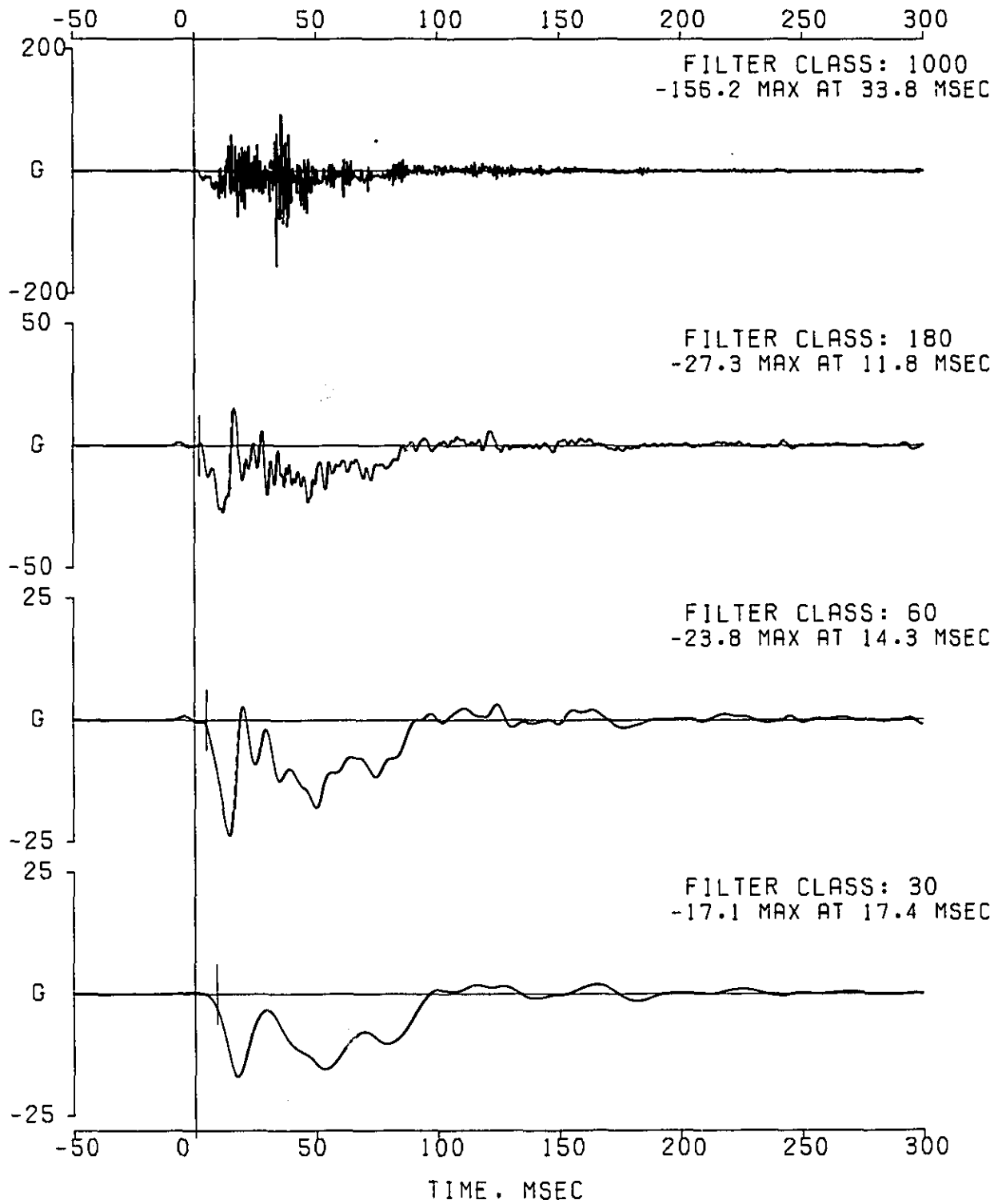
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
SEP 22.1994

DATA SET 09/21/94BD
ERRATA 1



VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 005 RIGHT REAR SILL X 277226
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

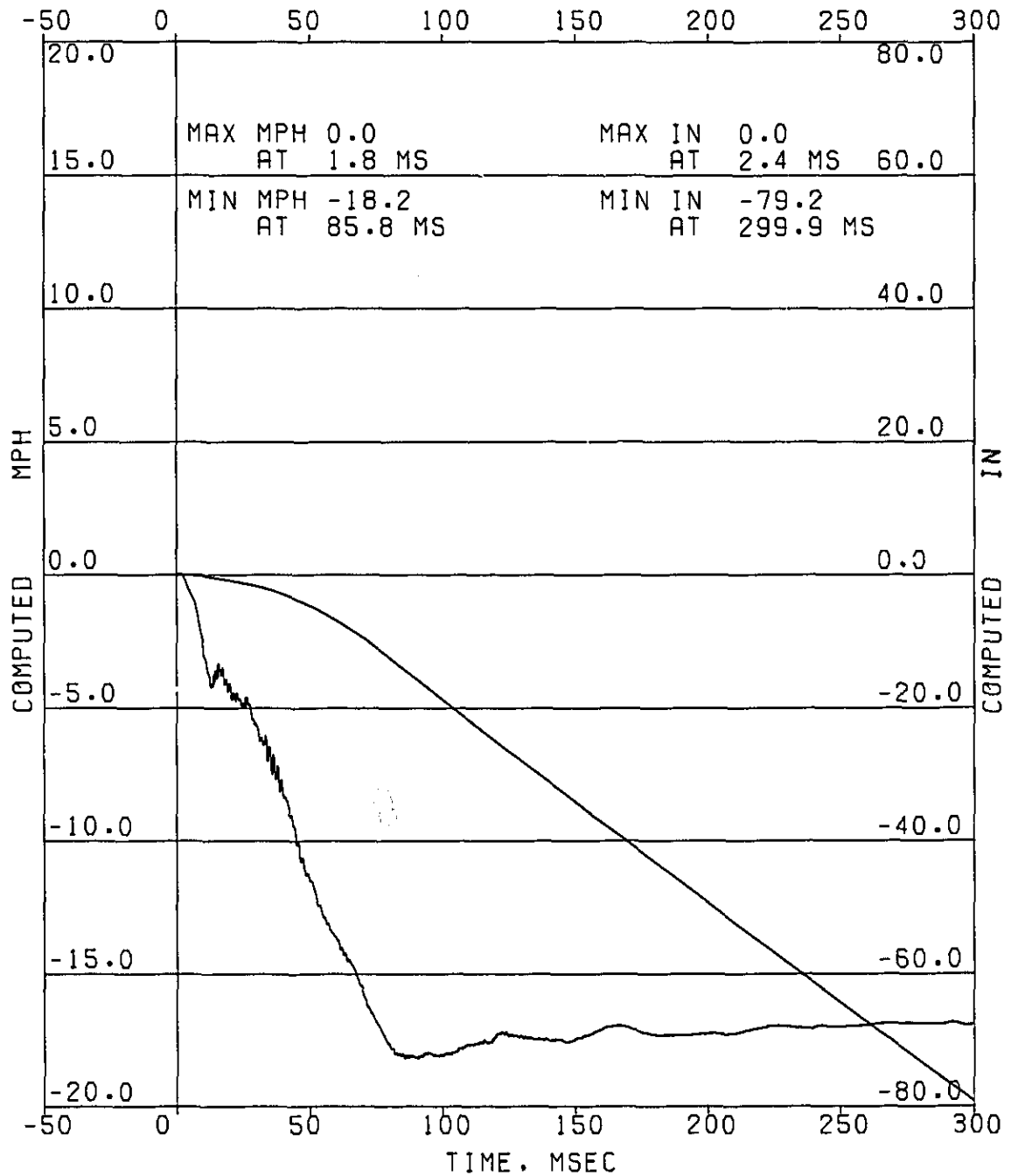


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 005 RIGHT REAR SILL X 277226

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

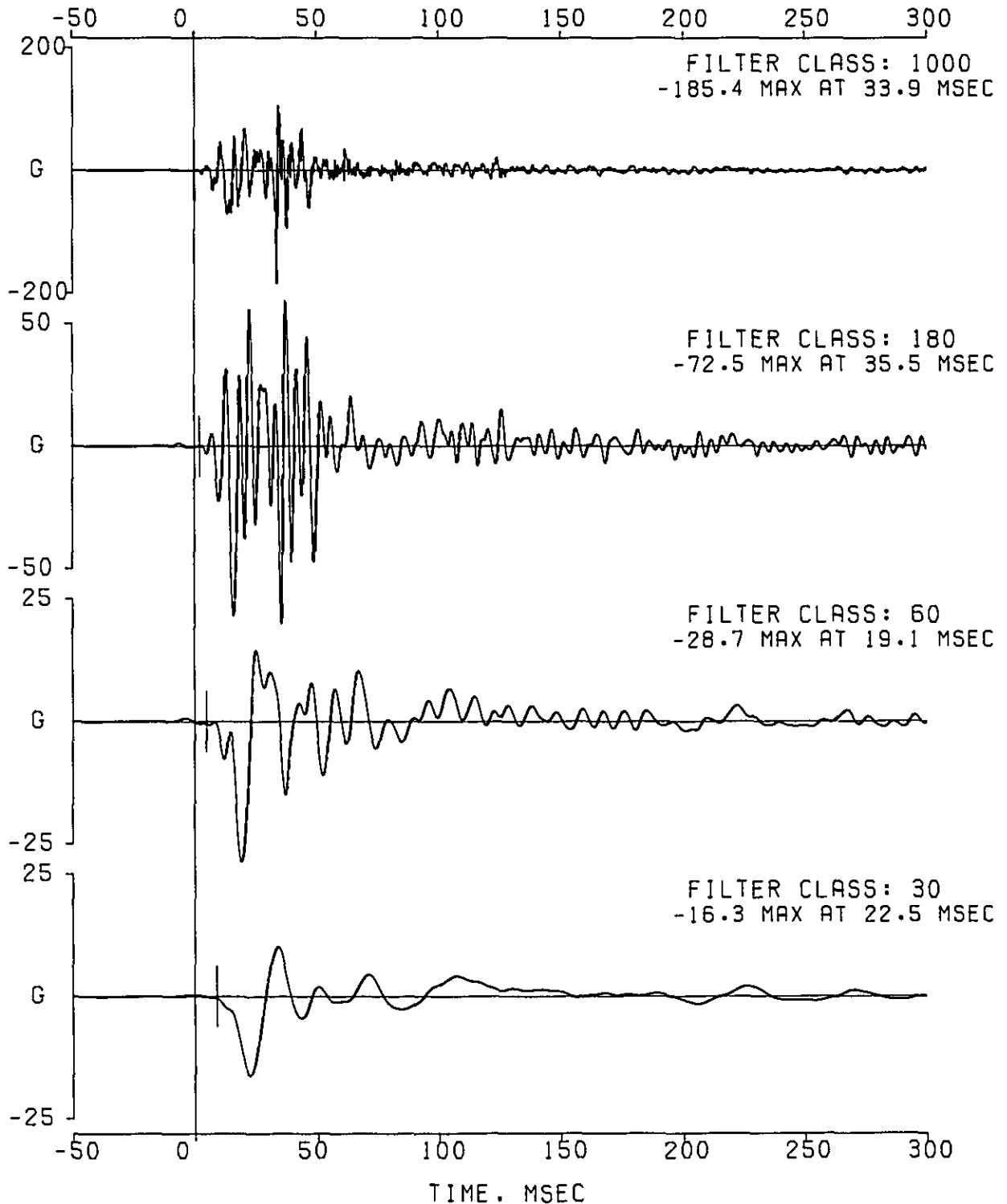
IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 006 RIGHT REAR SILL Z 97853
 FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
 IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
 SEP 22,1994 ERRATA 1



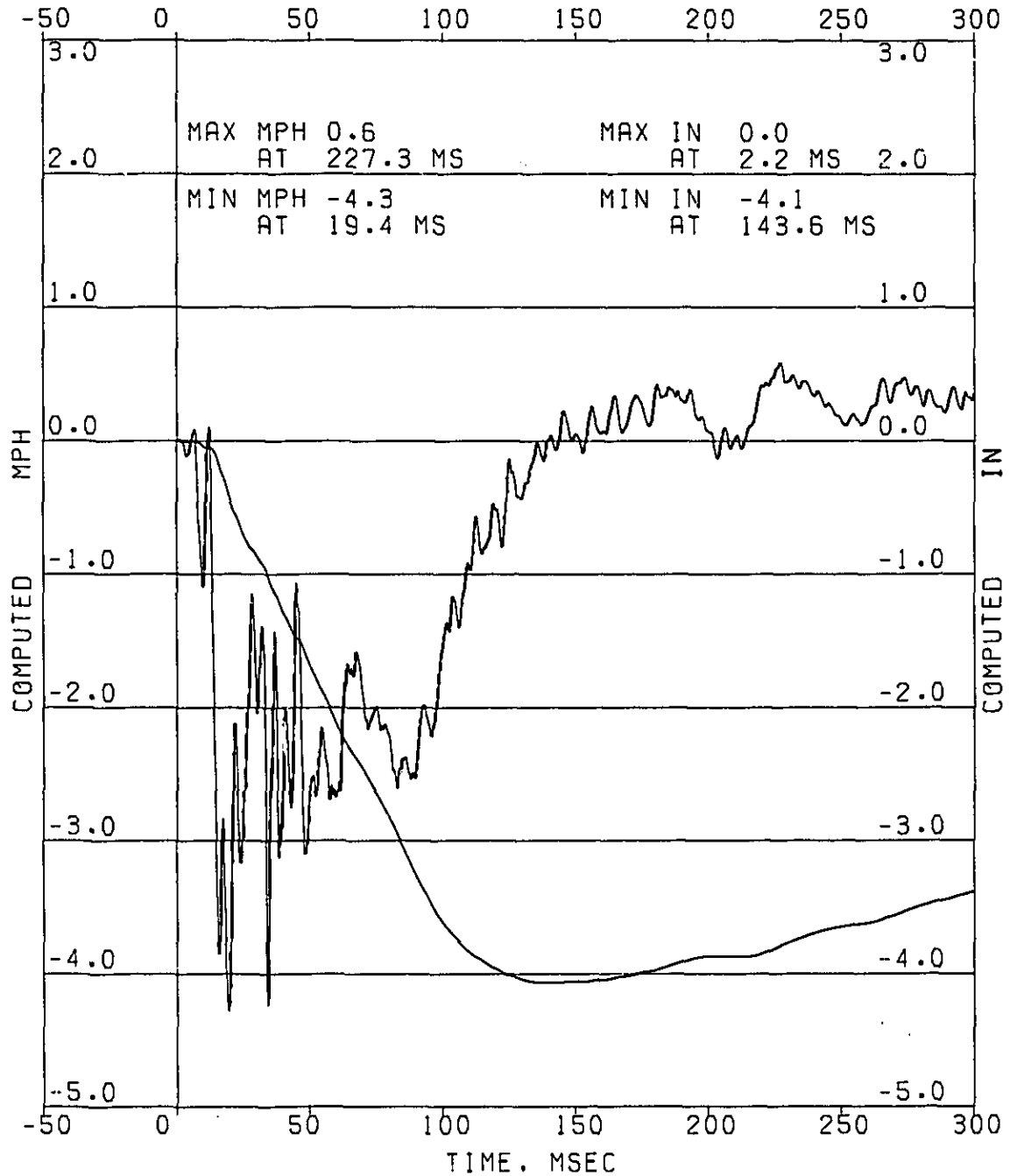
***** CAUTION *****
 ***** CHL 6 RIGHT REAR SILL Z 97853. IS SATURATED AT *****
 ***** 33.7 *****

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 006 RIGHT REAR SILL Z 97853

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

IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1

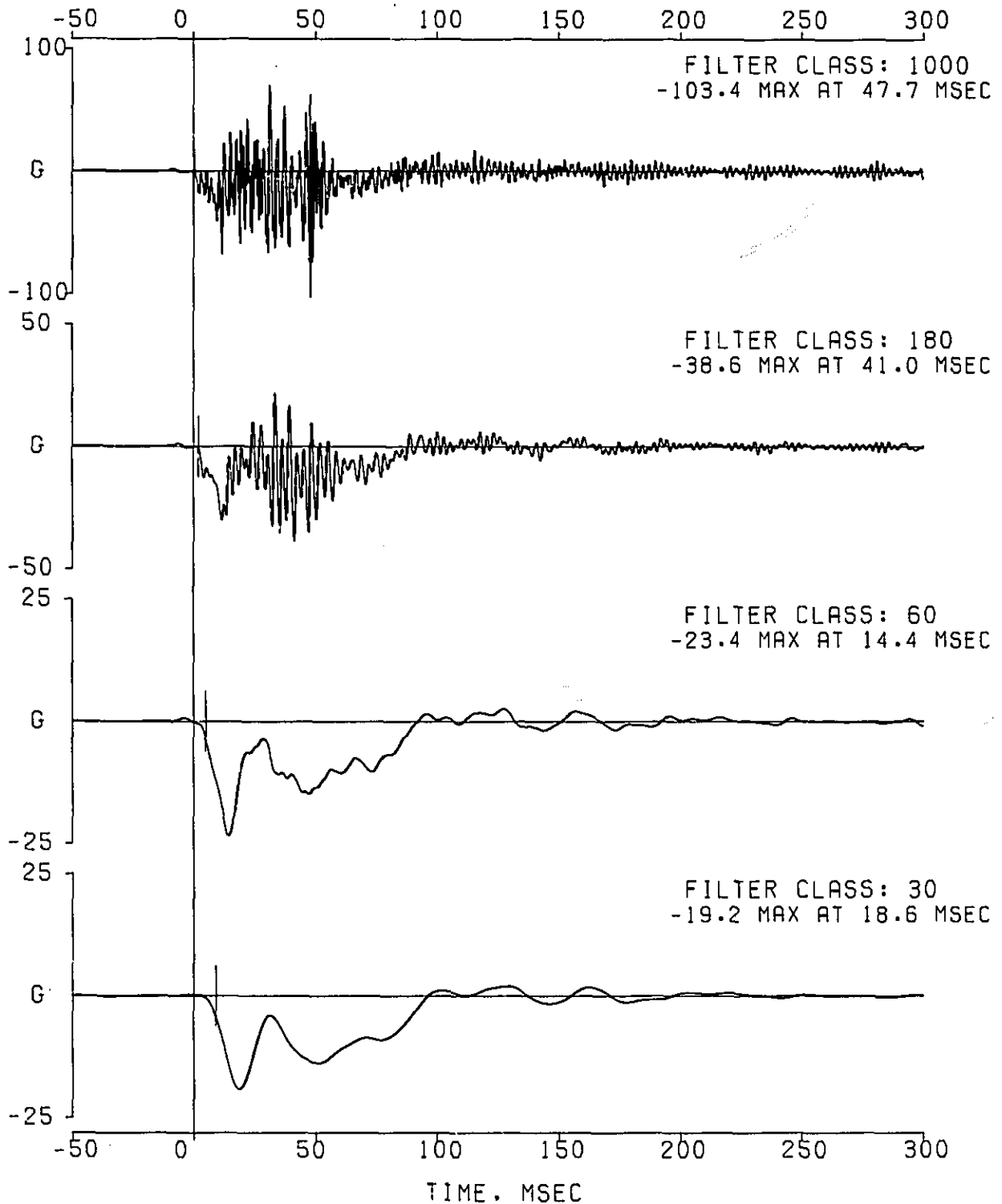


***** CAUTION *****
 ***** CHL 6 RIGHT REAR SILL Z 97853. IS SATURATED AT *****
 ***** 33.7 *****

EA12-005- Chrysler -000739

COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 007 LT RAIL FT SPRG HNGR X 14336
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

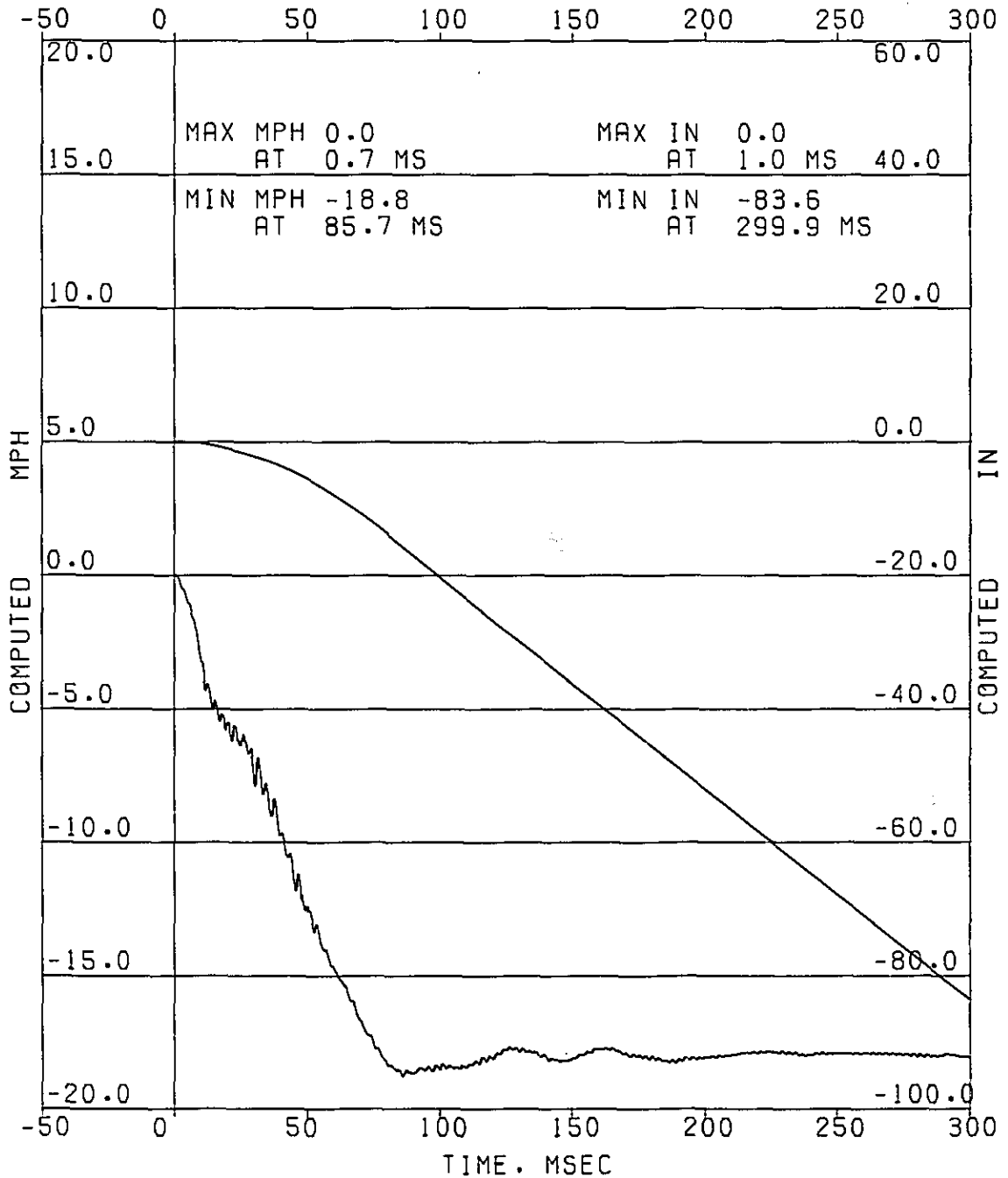


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 007 LT RAIL FT SPRG HNGR X 14336

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

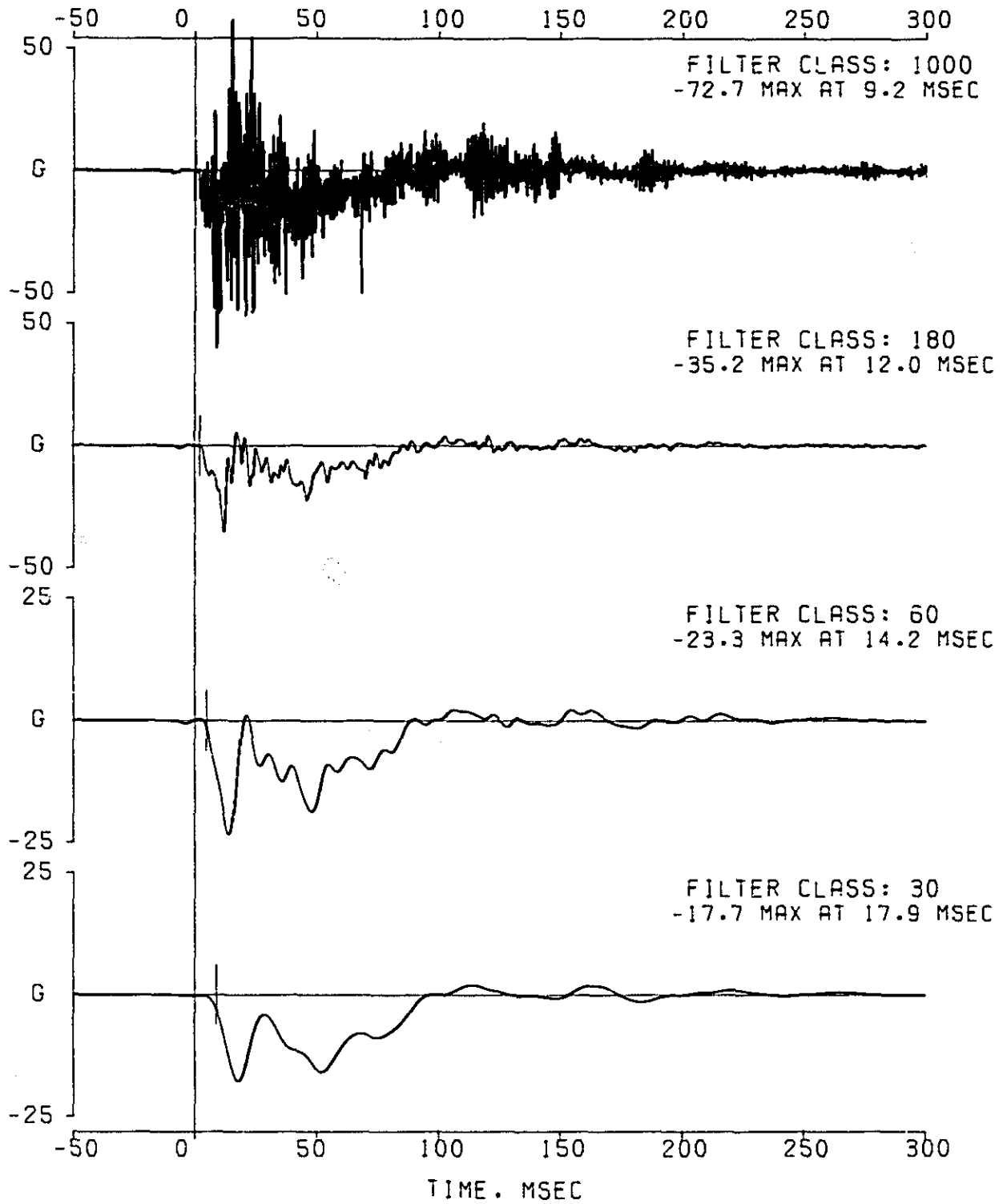
IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 008 RT RAIL FT SPRG HNGR X 277203
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1



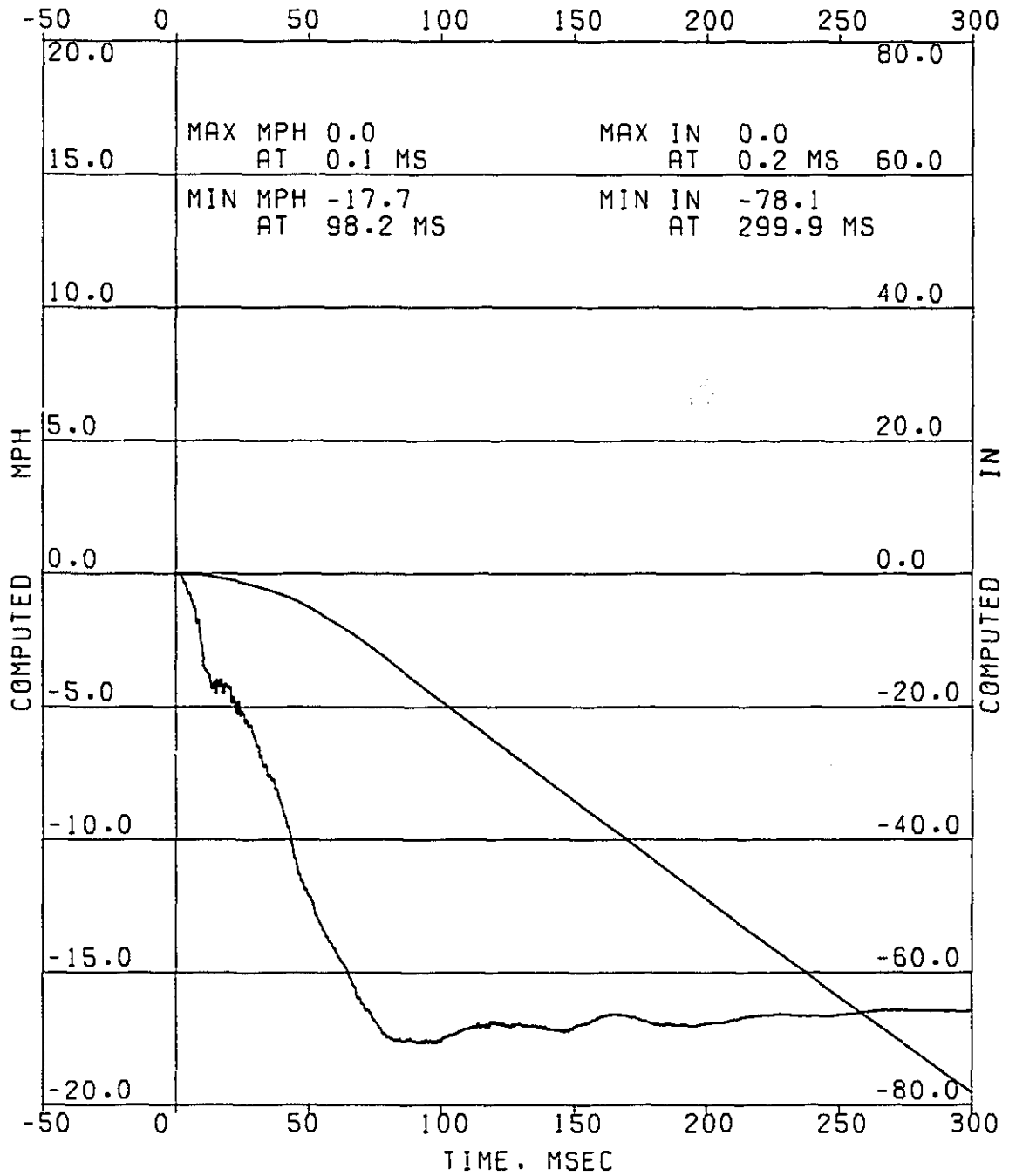
VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

CHANNEL 008 RT RAIL FT SPRG HNGR X 277203

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

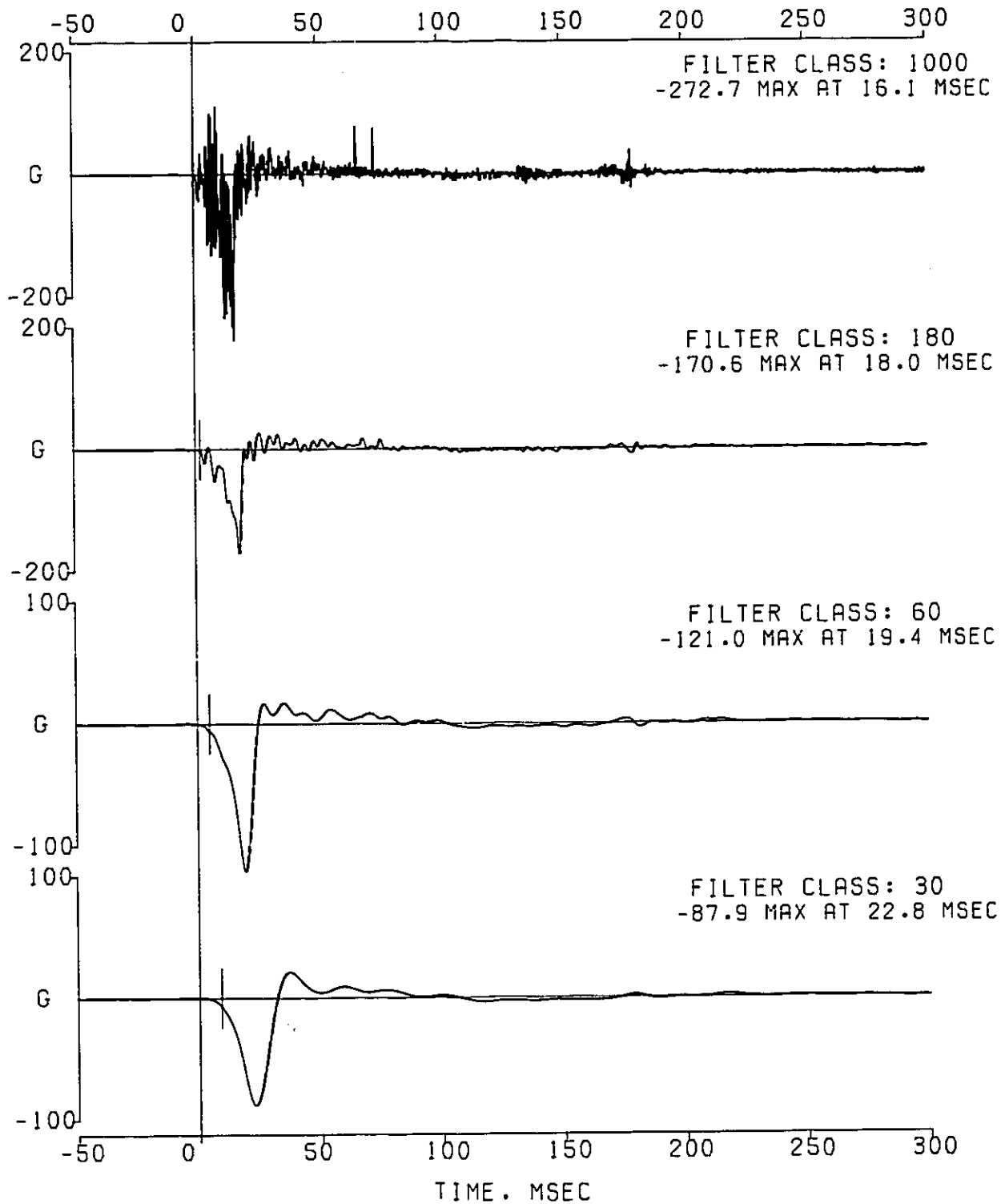
IMPACT ANALYSIS DEPT. 5320
SEP 22.1994

DATA SET 09/21/94BD
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 009 LT RAIL MID TANK X 277234
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

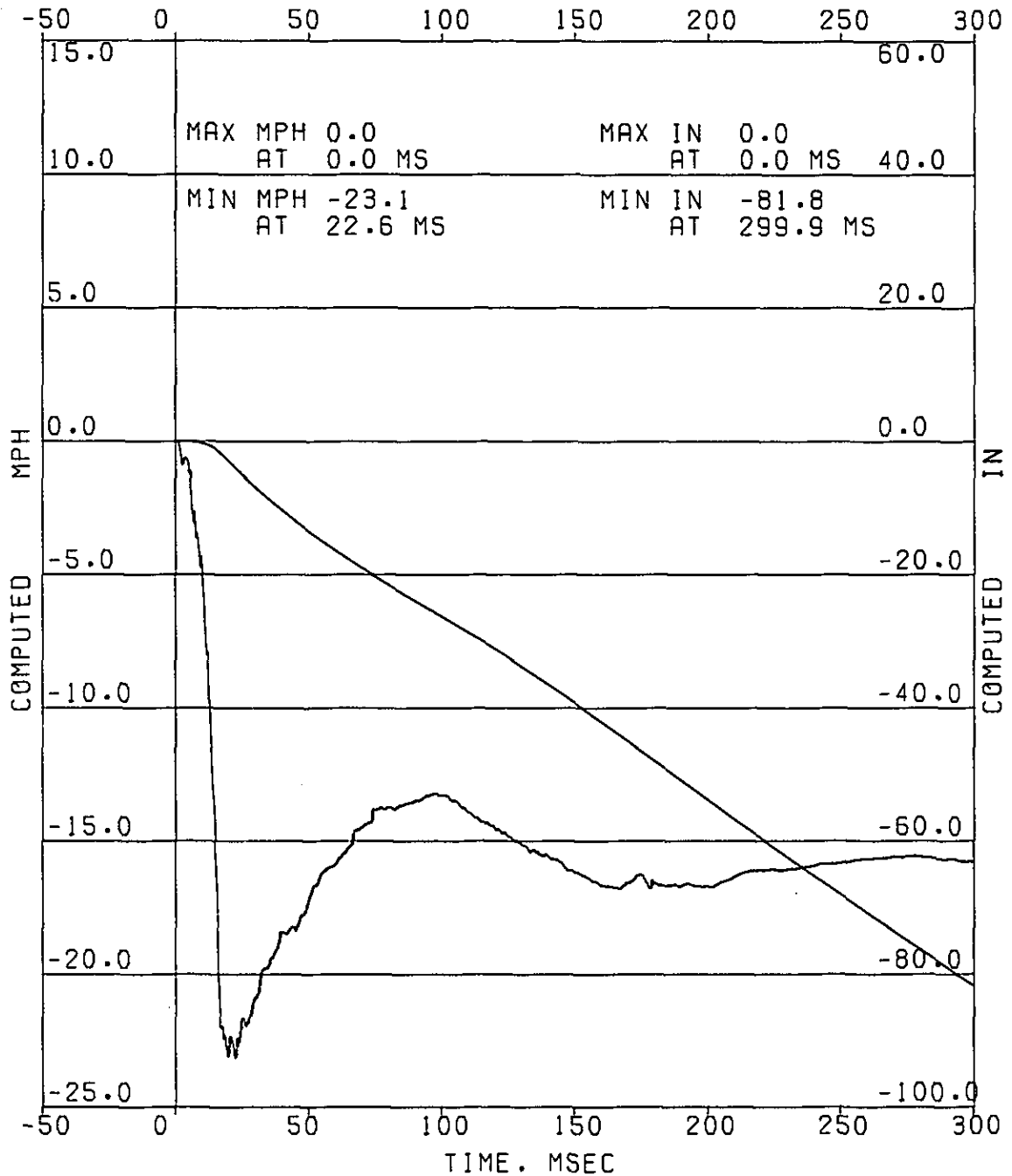


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 009 LT RAIL MID TANK X 277234

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

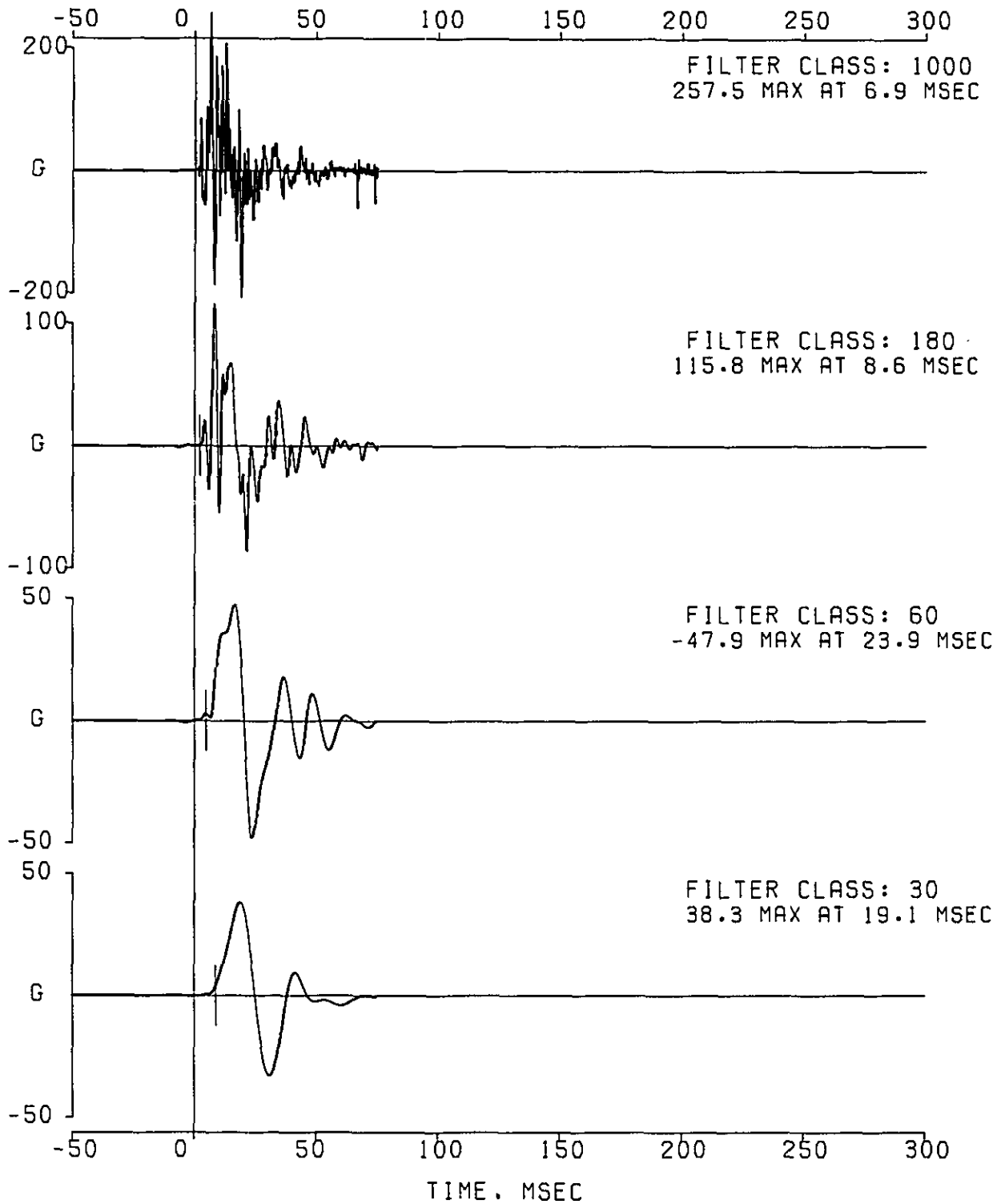
IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 010 LT RAIL MID TANK Z 277229
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1



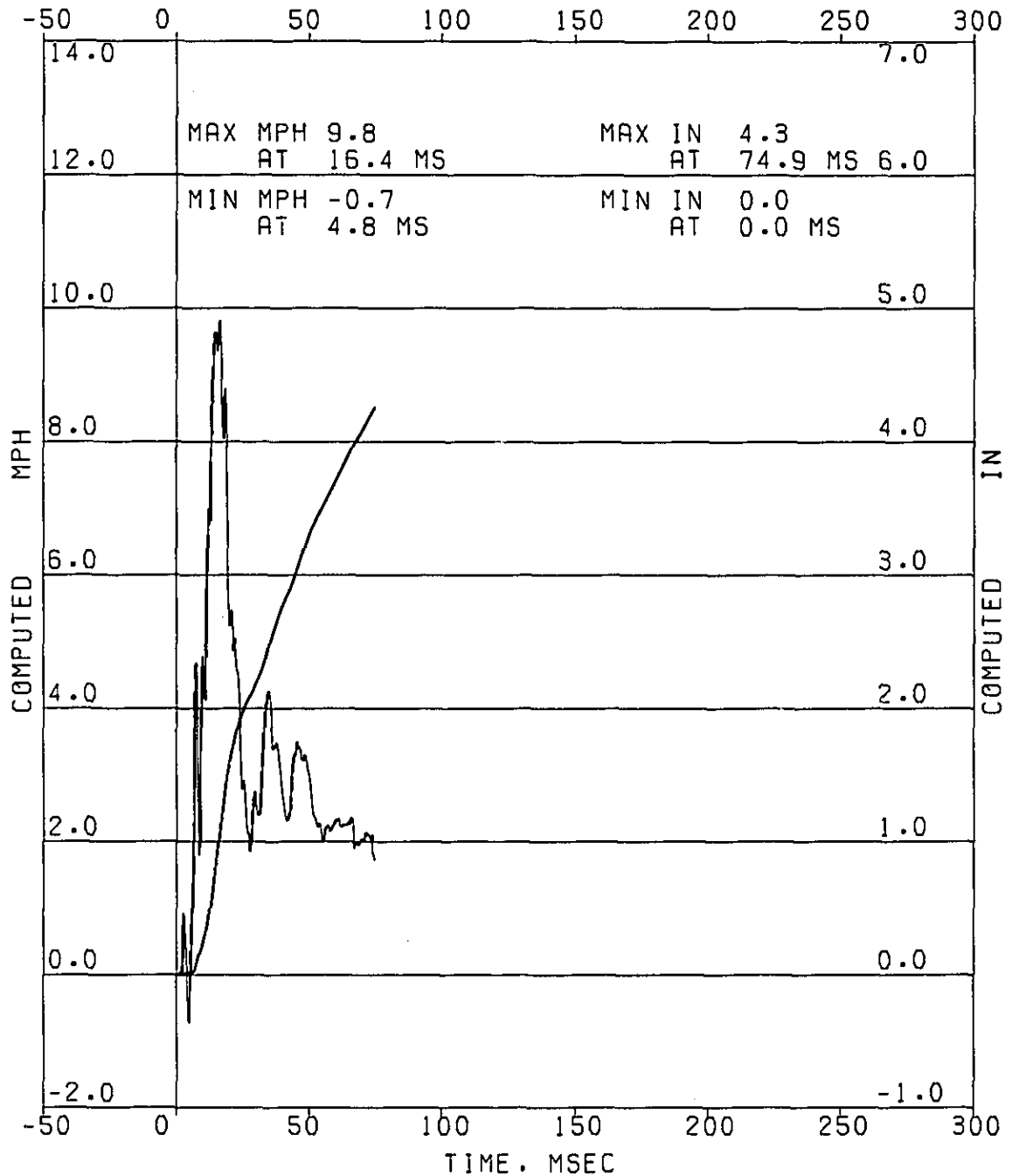
***** CAUTION *****
***** INST. MALFUNCTION AFTER 75.0 MS *****

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 010 LT RAIL MID TANK Z 277229

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

IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1

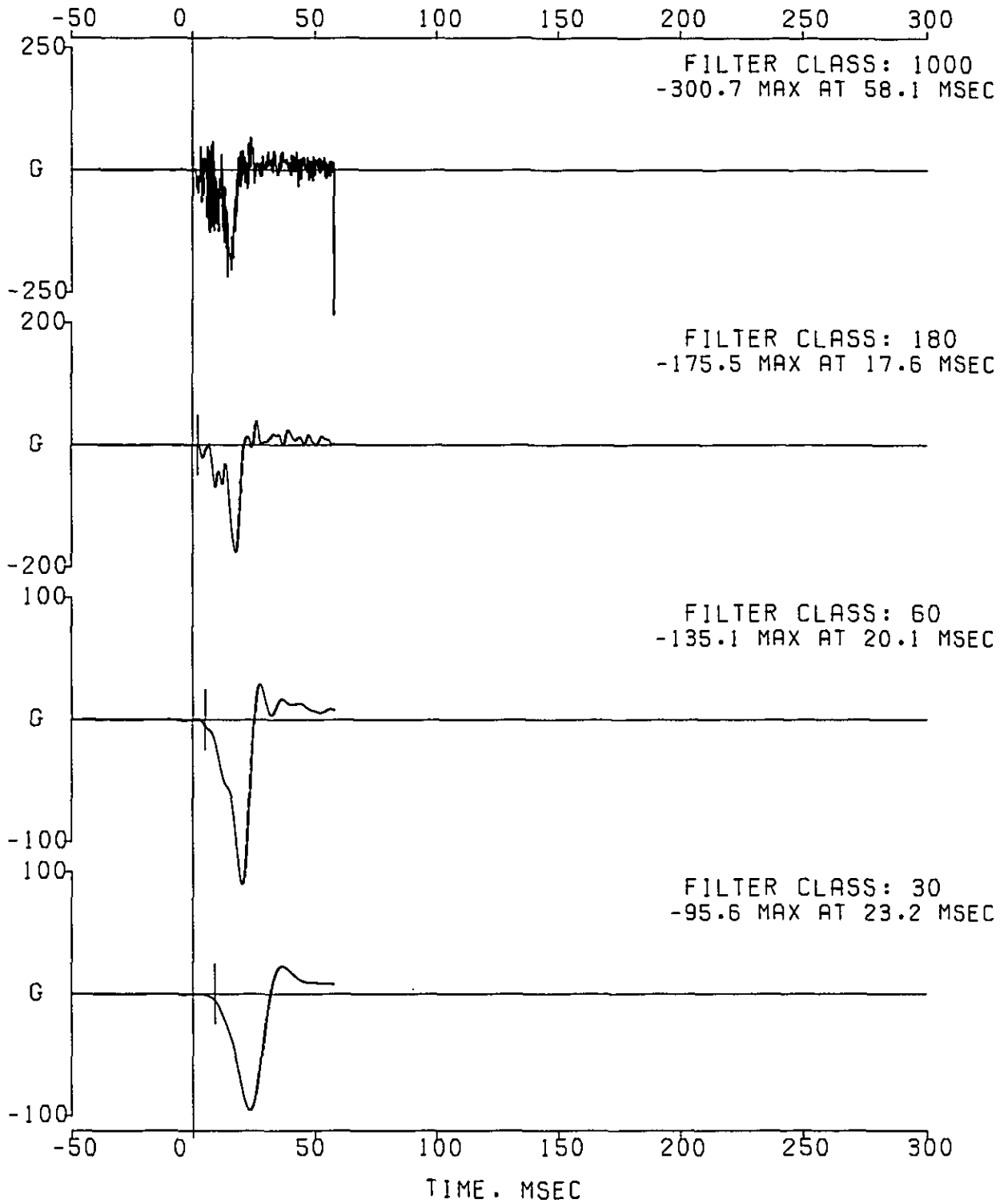


***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 75.0 MS *****

EA12-005- Chrysler -000747

COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 011 RT RAIL MID TANK X 277245
 FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
 SEP 22,1994 ERRATA 1



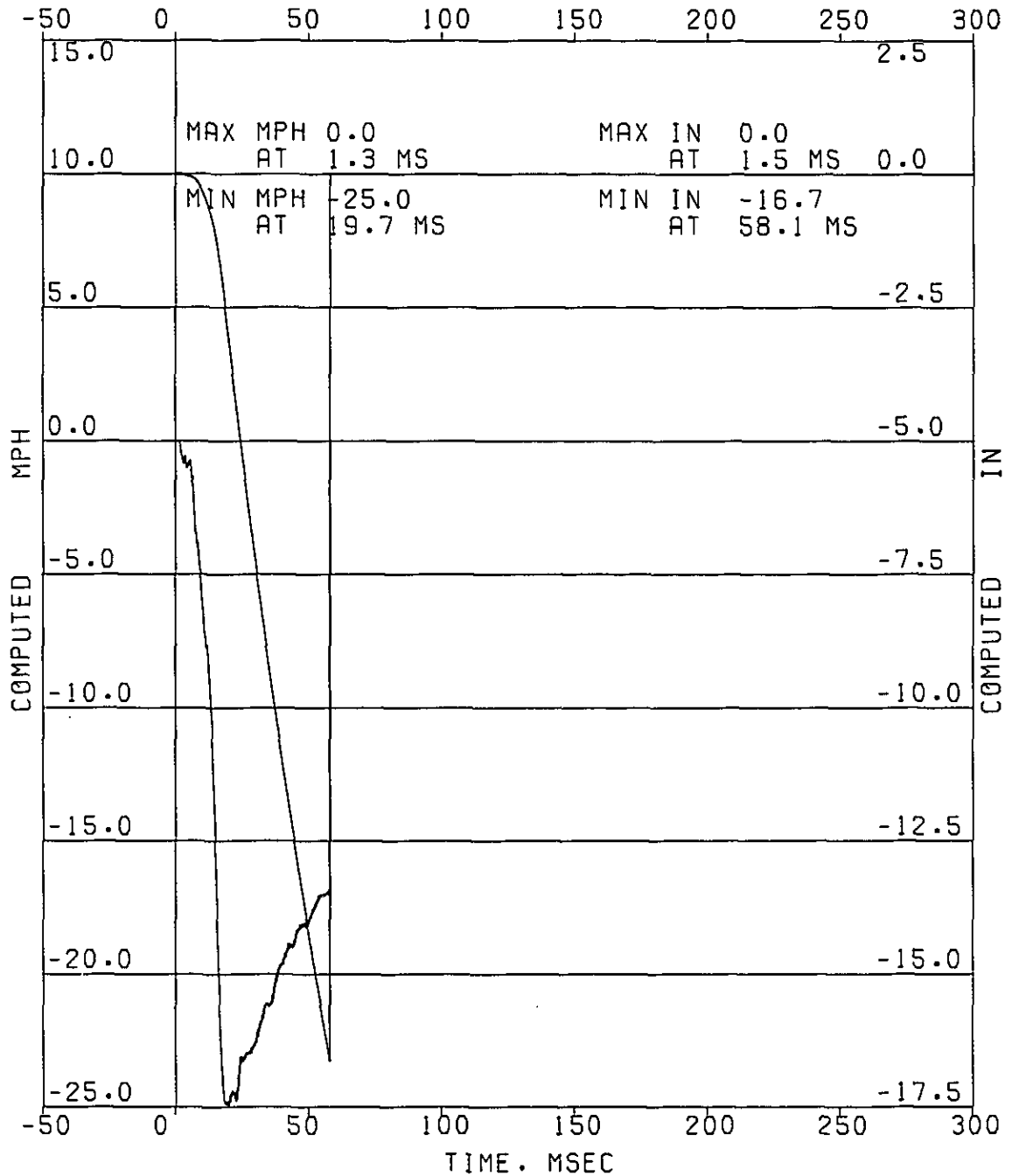
***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 58.2 MS *****

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 011 RT RAIL MID TANK X 277245

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

IMPACT ANALYSIS DEPT. 5320
 SEP 22,1994

DATA SET 09/21/94BD
 ERRATA 1

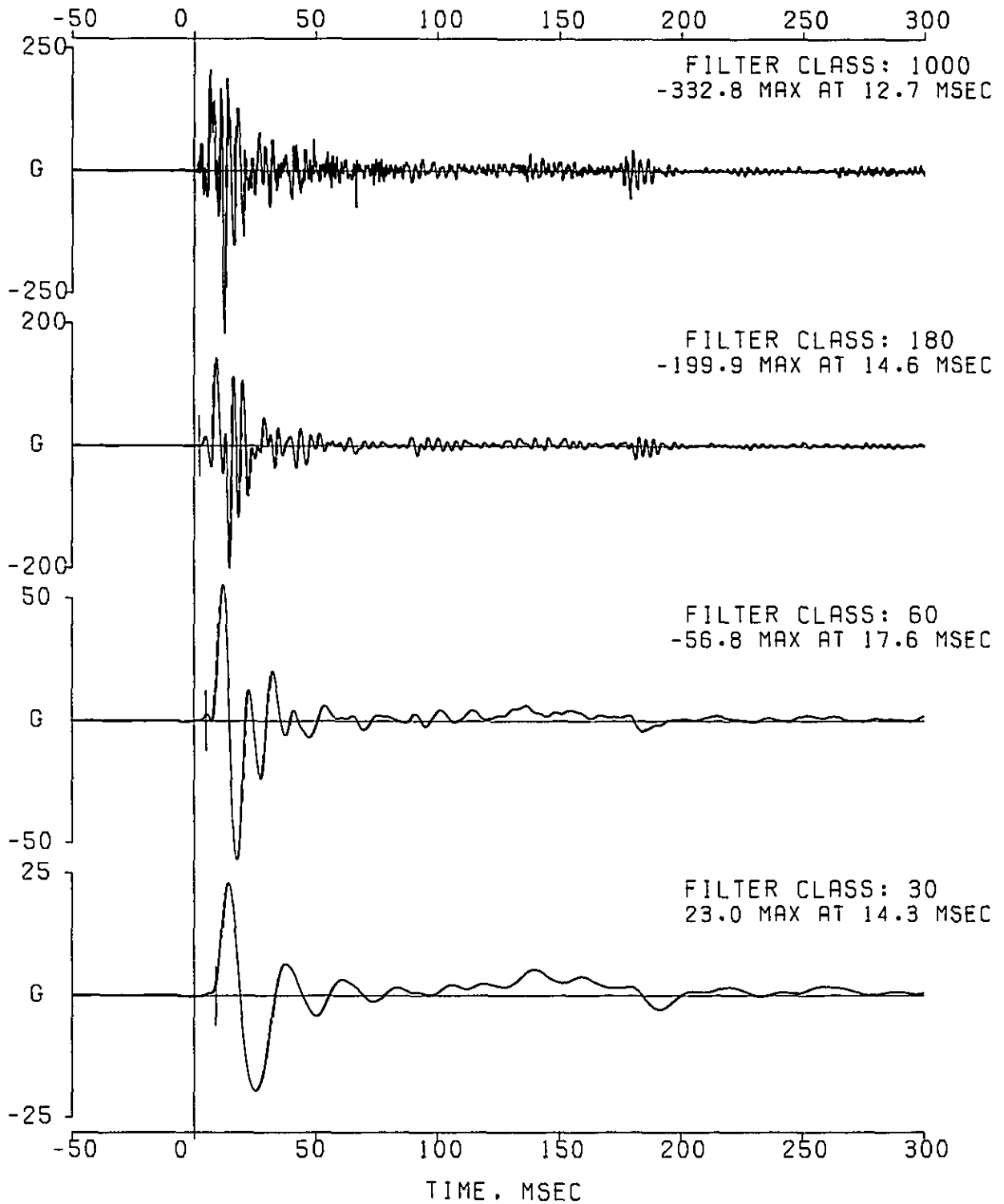


***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 58.2 MS *****

EA12-005- Chrysler -000749

COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 012 RT RAIL MID TANK Z 80439
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

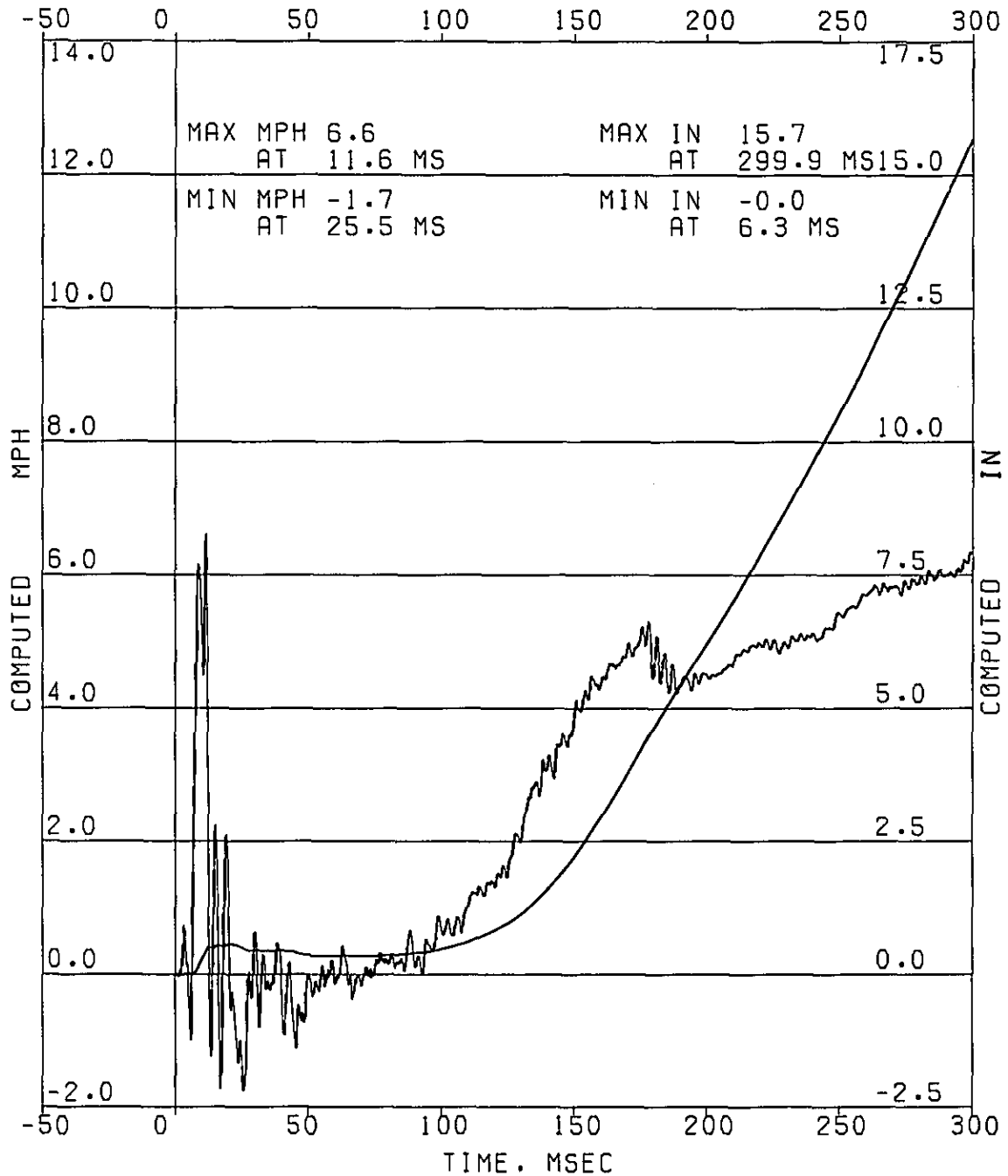


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 012 RT RAIL MID TANK Z 80439

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

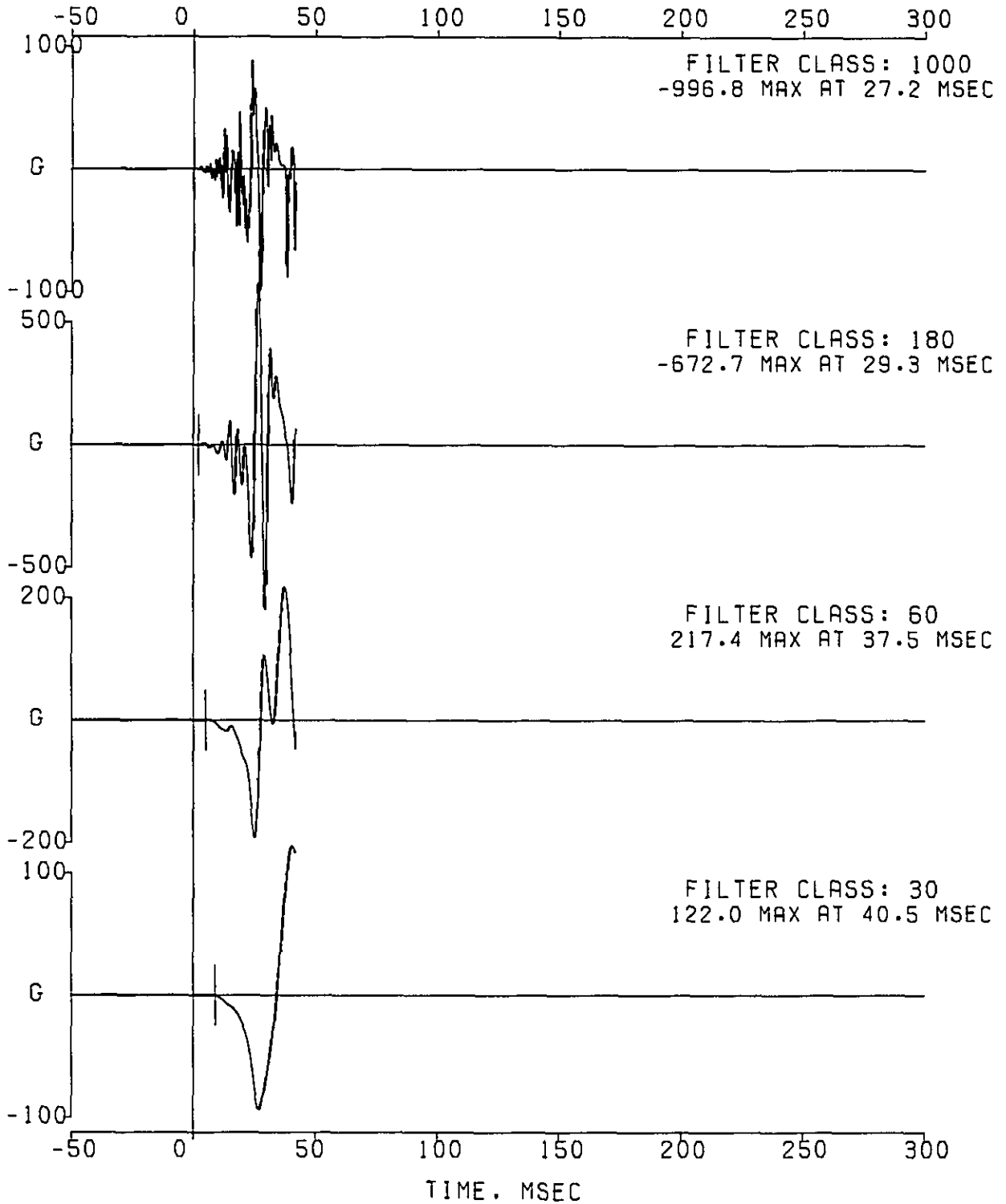
IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 013 FUEL TANK CENT FT X DD86J
 FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
 IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
 SEP 22.1994 ERRATA 1



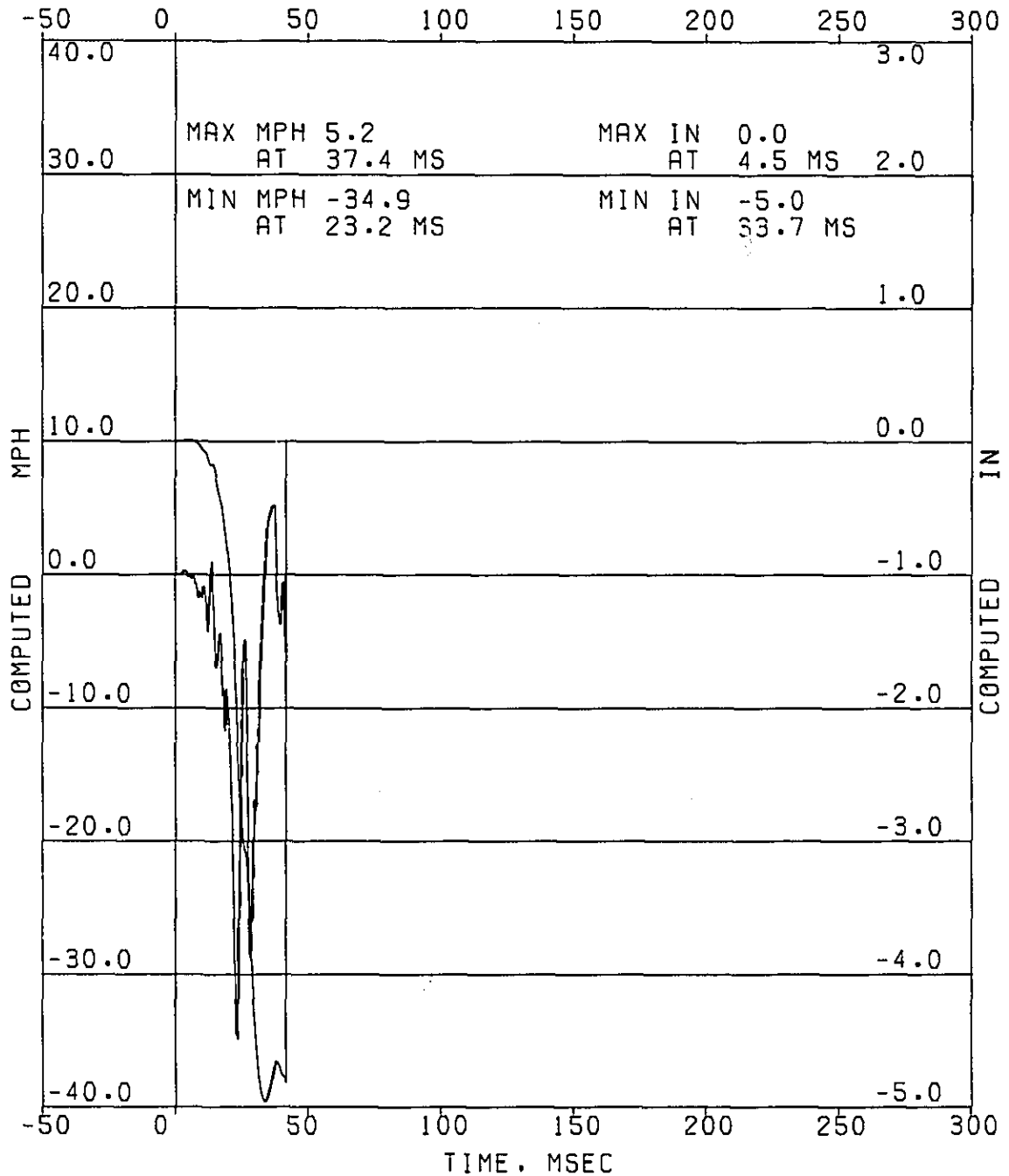
***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 41.8 MS *****

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 013 FUEL TANK CENT FT X DD86J

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

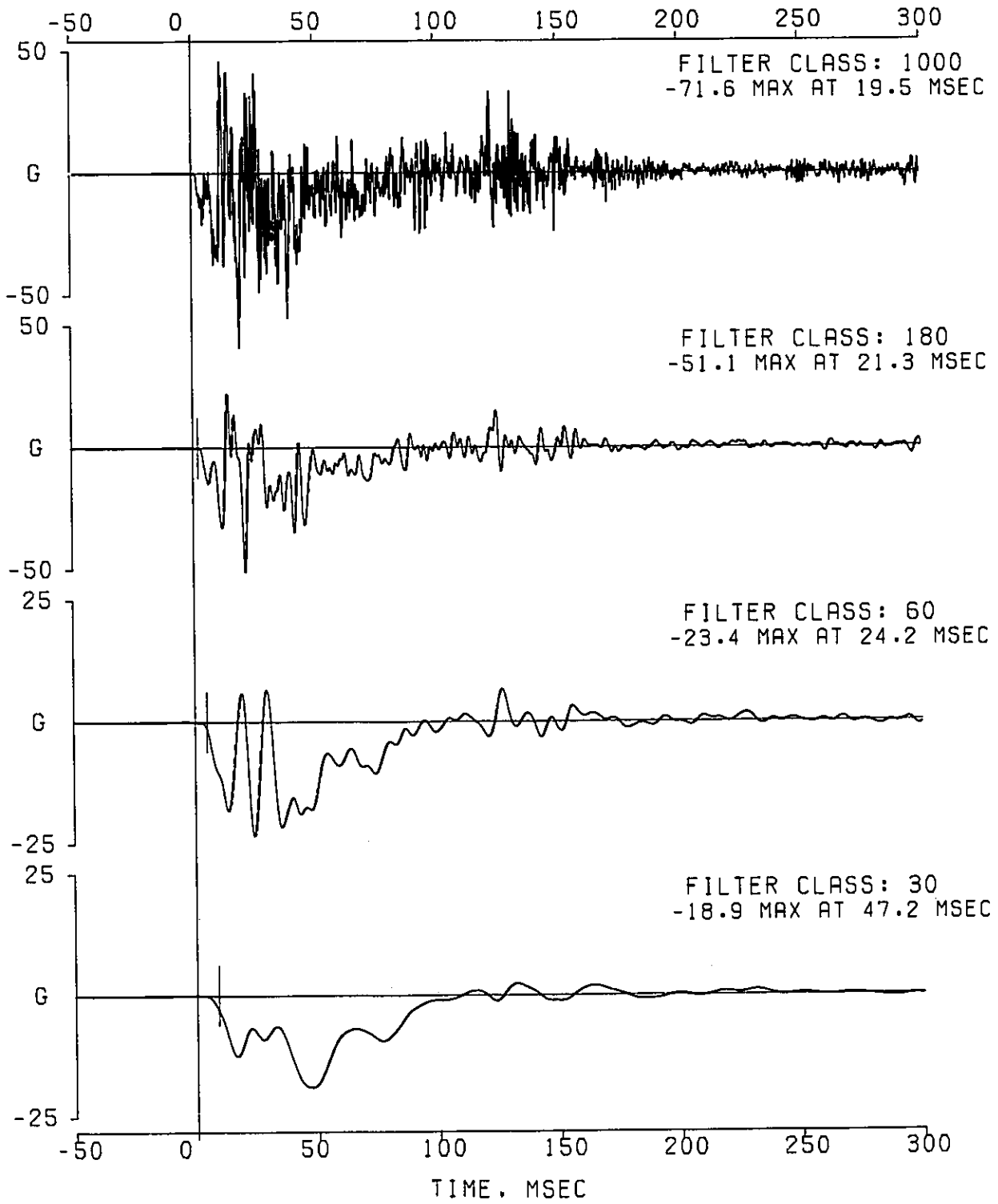
IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 014 AECM TOP X AKE58
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

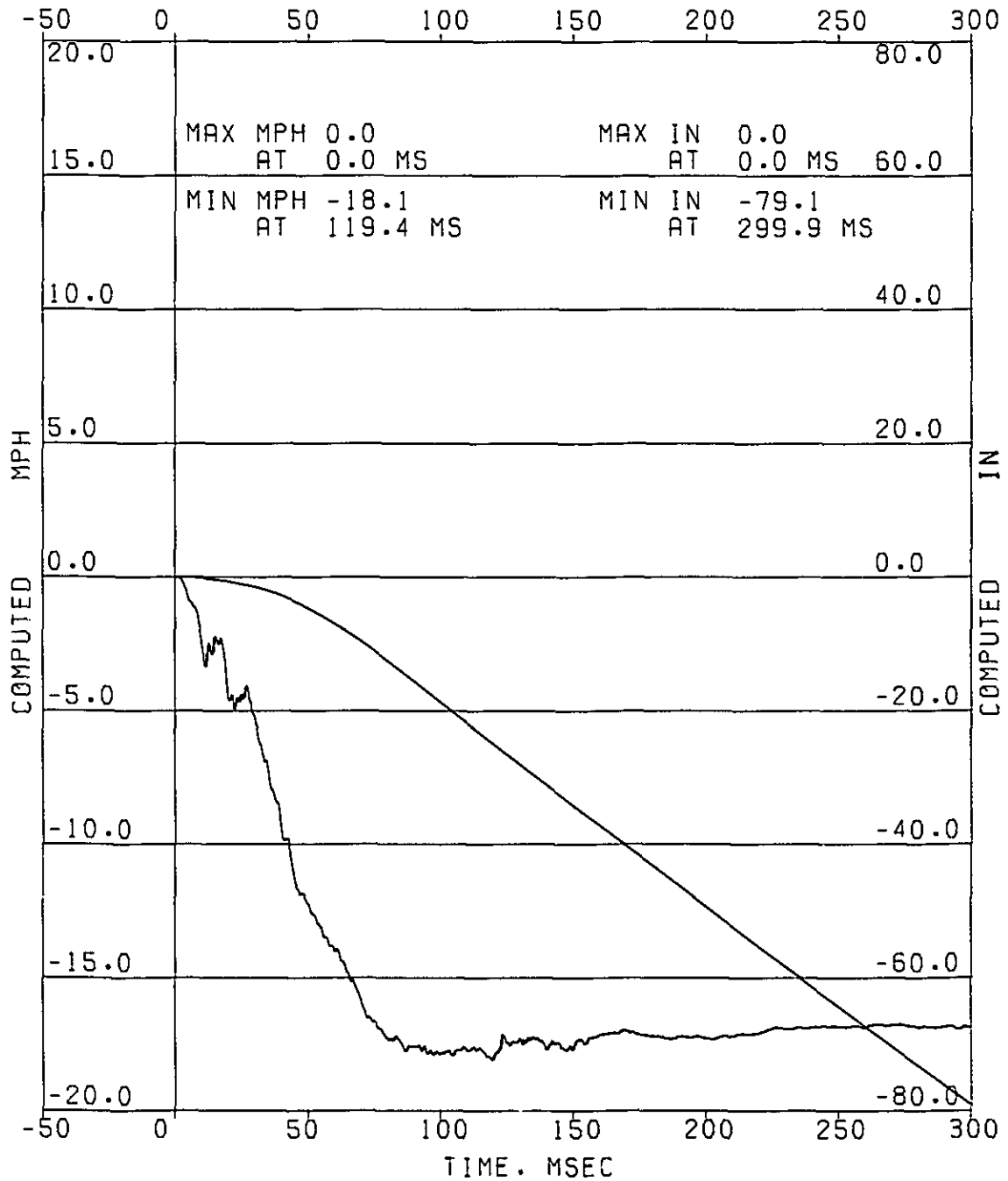


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 014 RECM TOP X AKE58

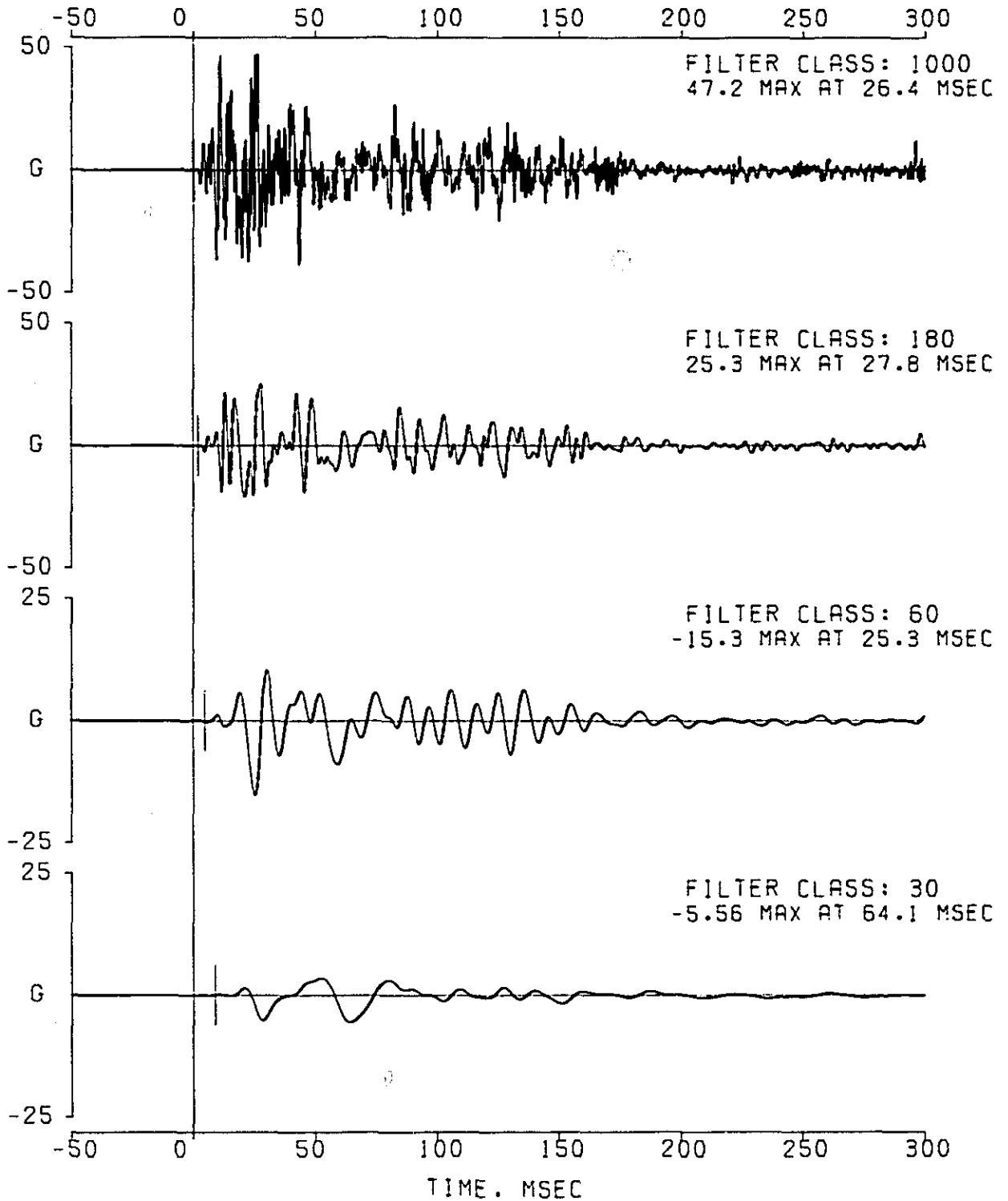
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1



VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 015 AECM TOP Y AETR1
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

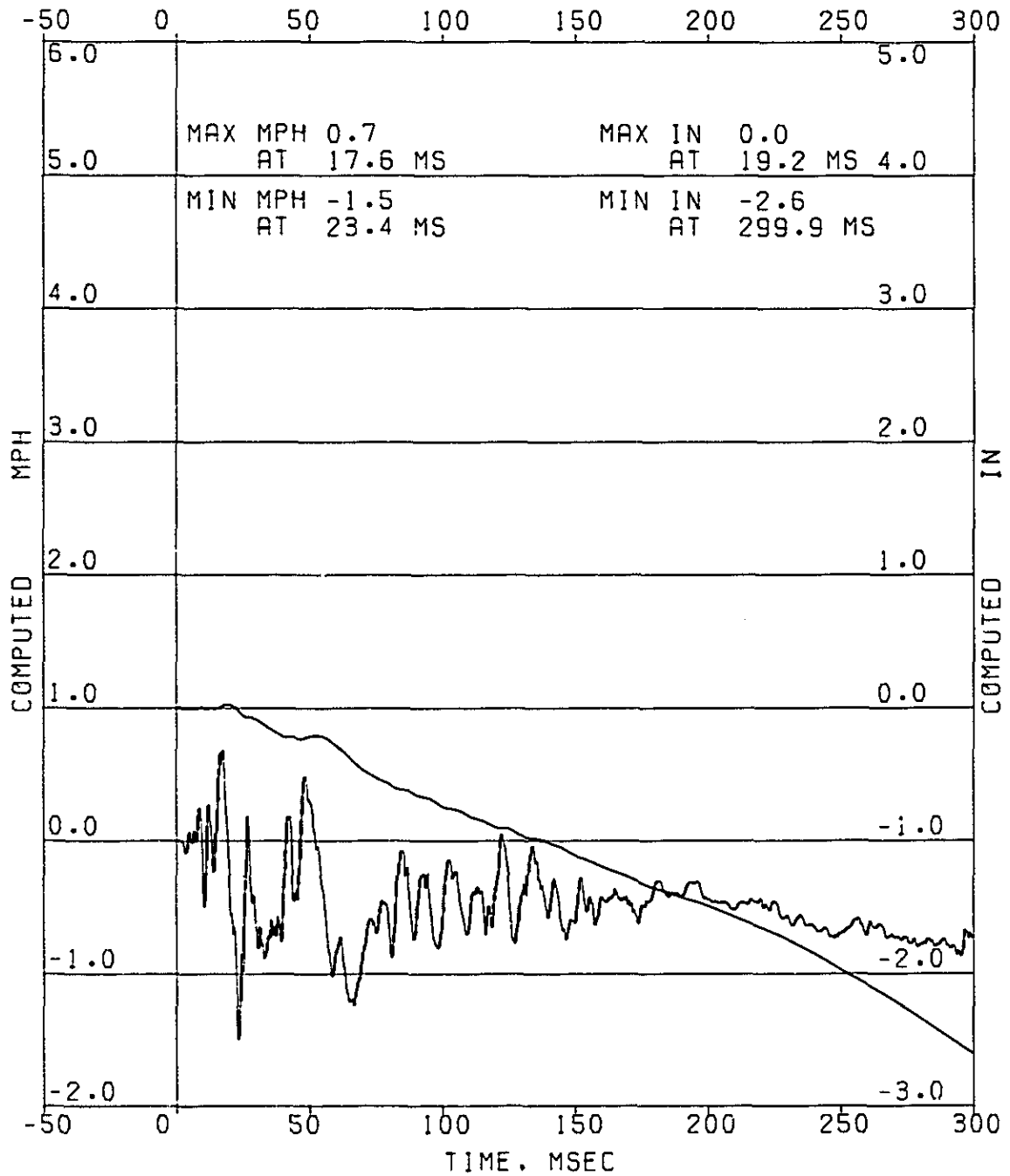


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 015 RECM TOP Y RETRI

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

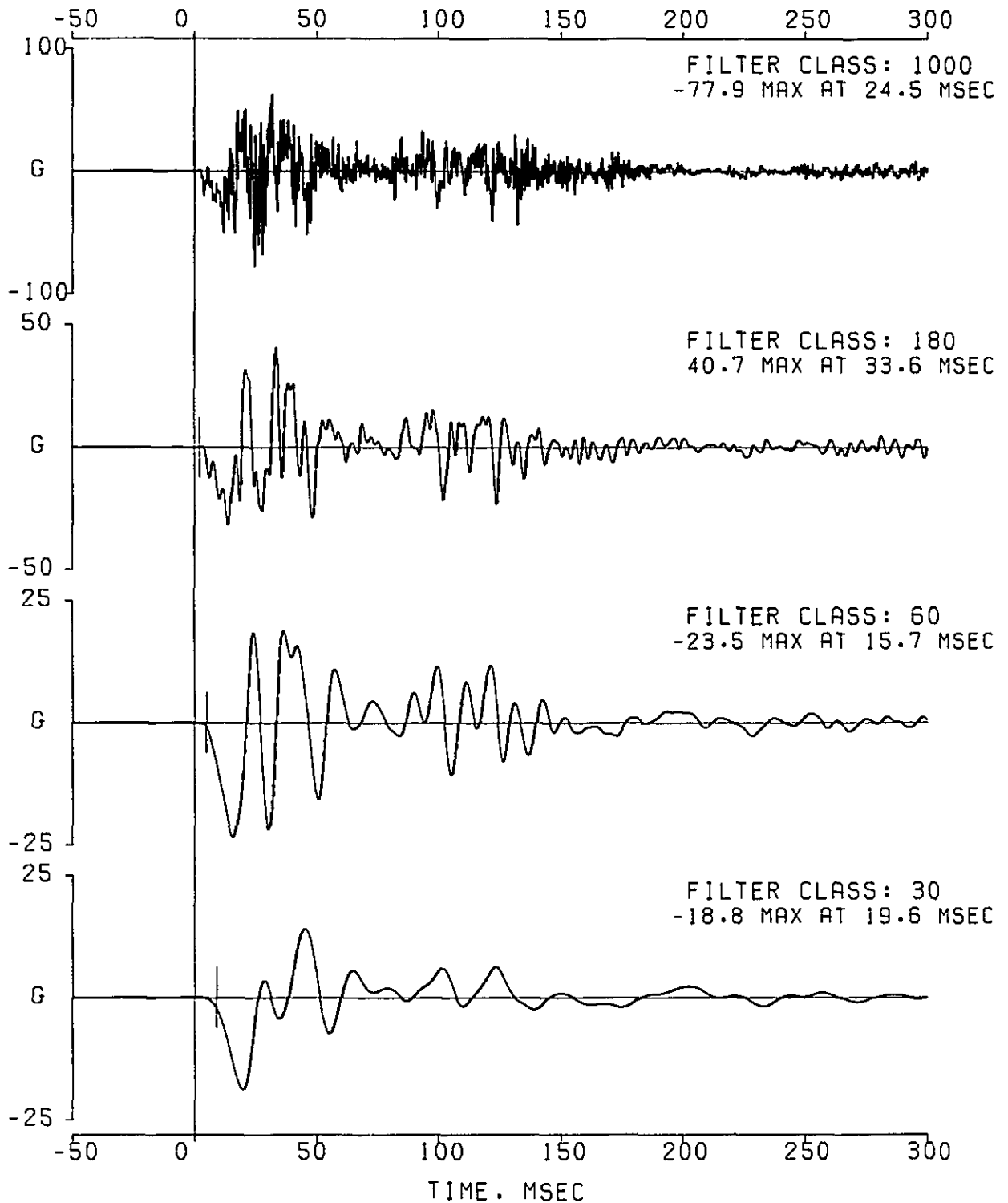
IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BD
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 016 AECM TOP Z AJP37
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BD
SEP 22.1994 ERRATA 1

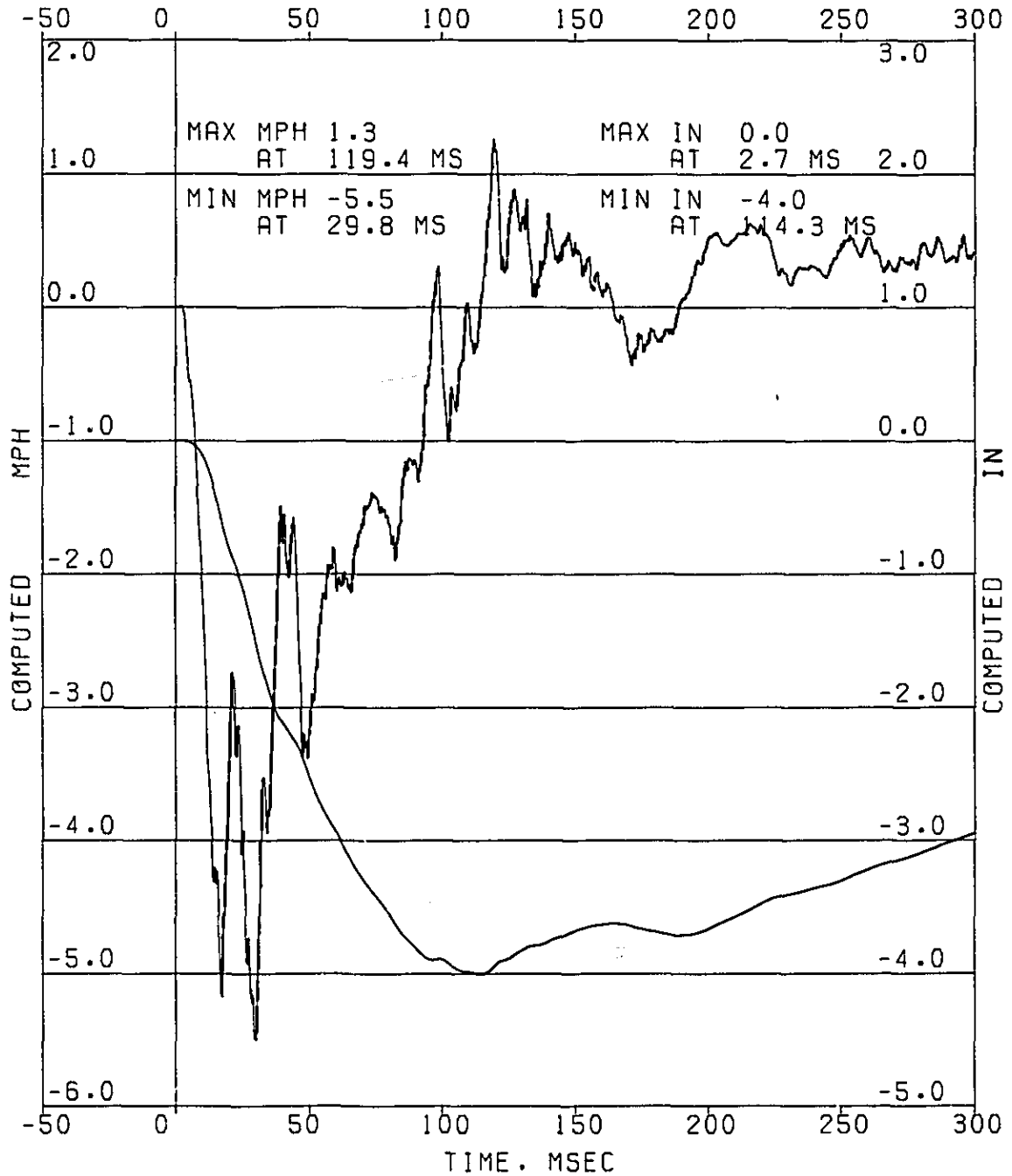


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 016 RECM TOP Z AJP37

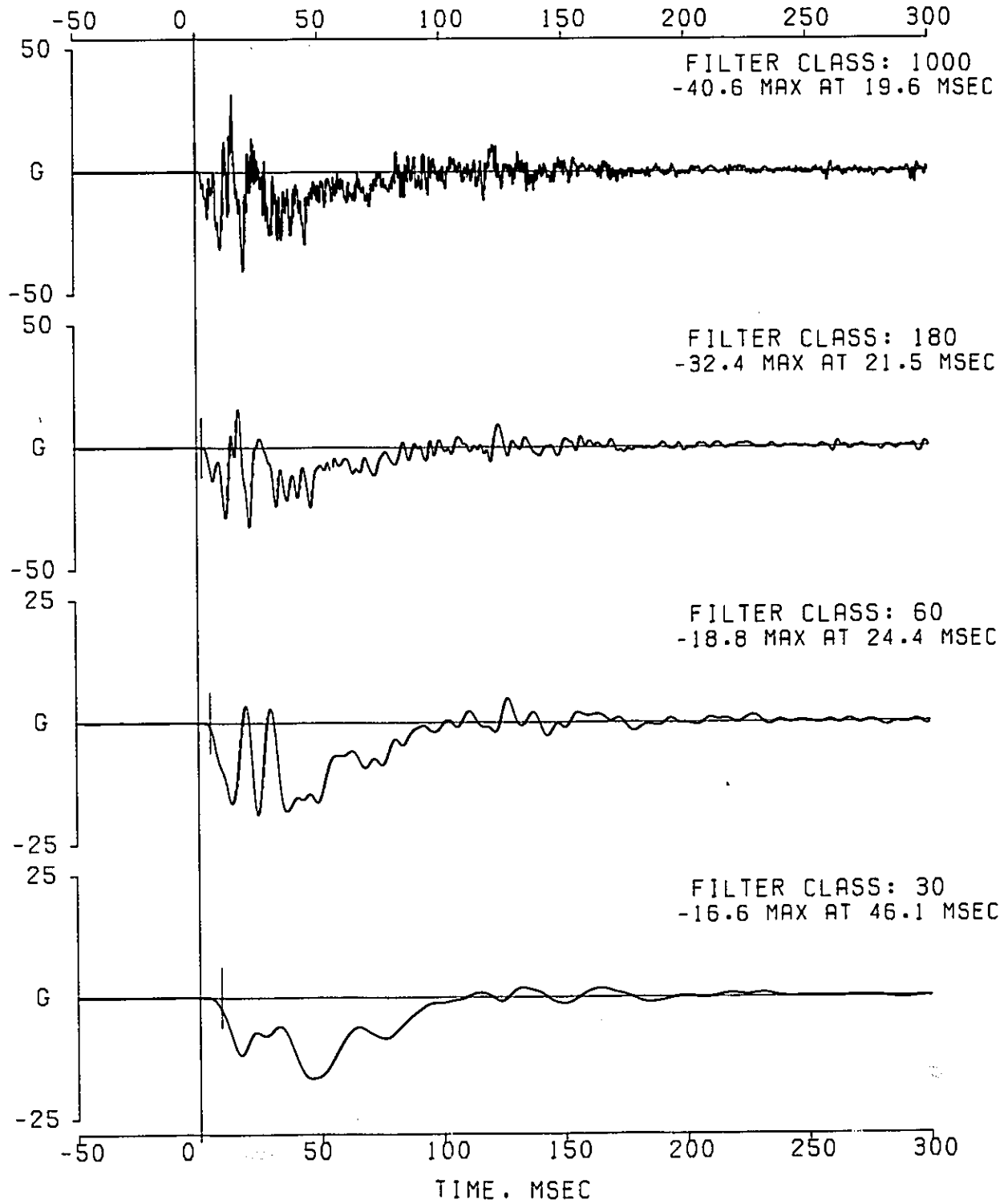
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
SEP 22.1994

DATA SET 09/21/94BD
ERRATA 1



VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 017 TRW INTER ACCEL G EE
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BE
SEP 22.1994 ERRATA 1

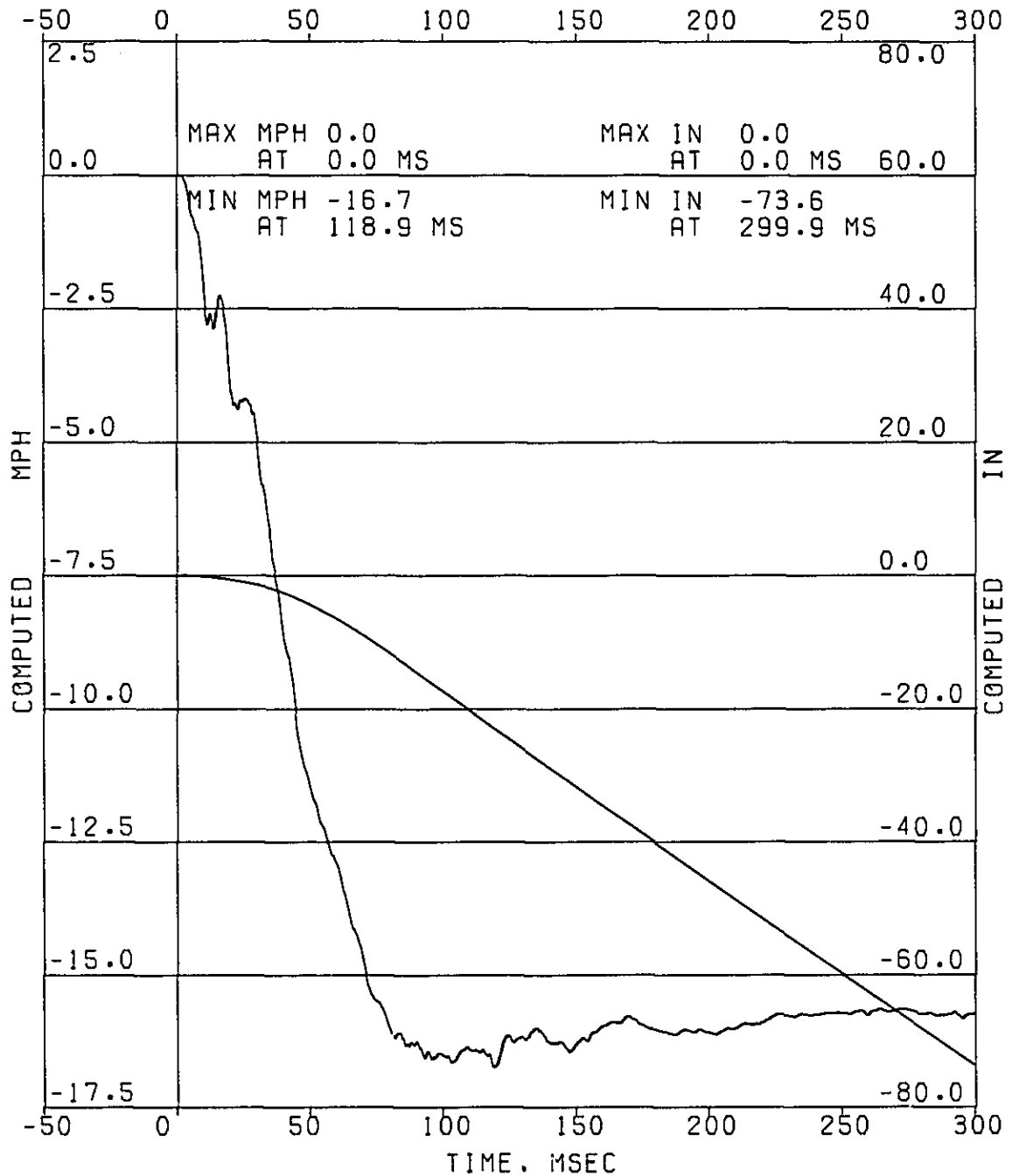


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 017 TRW INTER ACCEL G EE

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

IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BE
 ERRATA 1



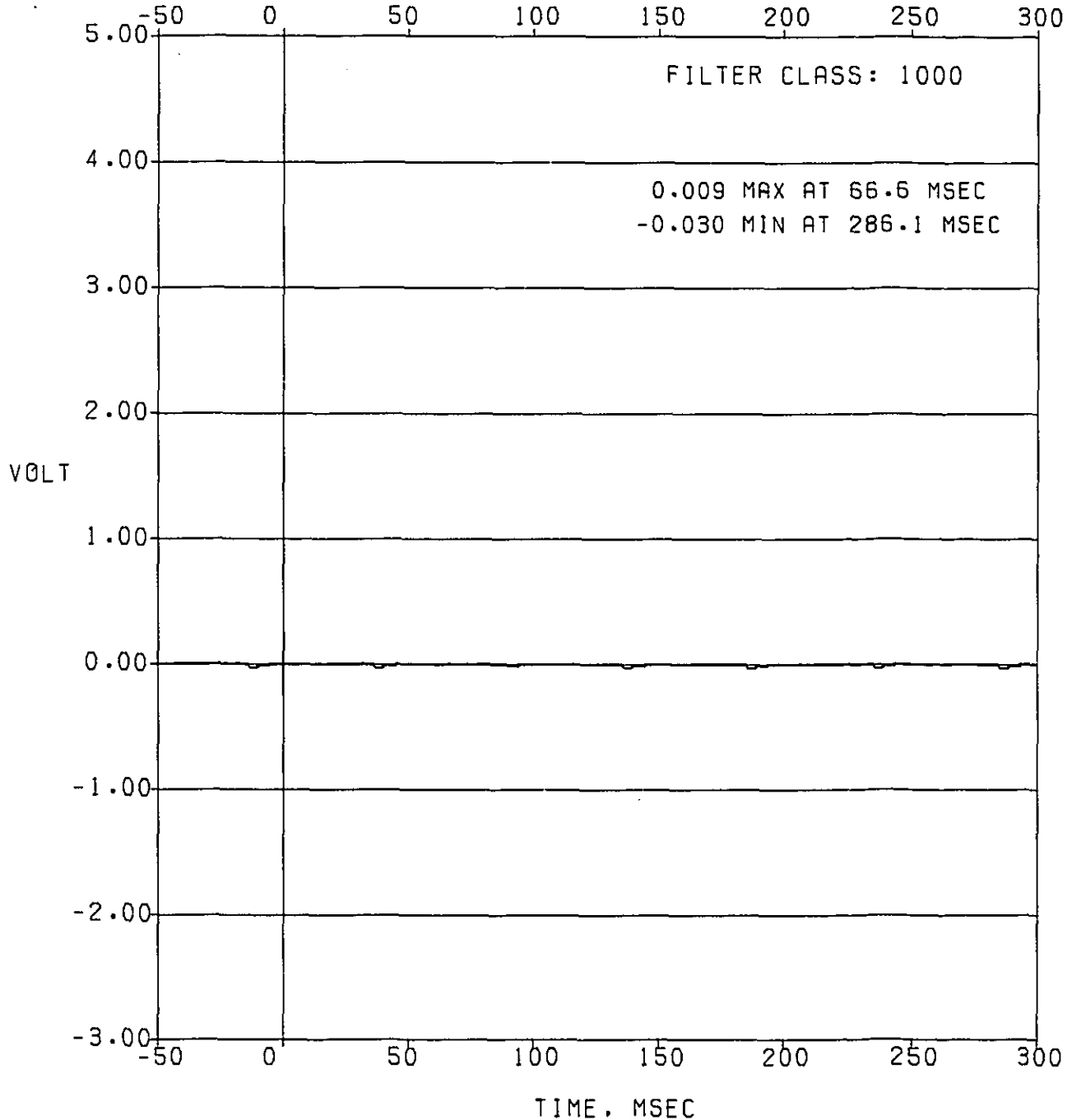
COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

CHANNEL 018 TRW SQUIB

EE

FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BE
SEP 22.1994 ERRATA 1

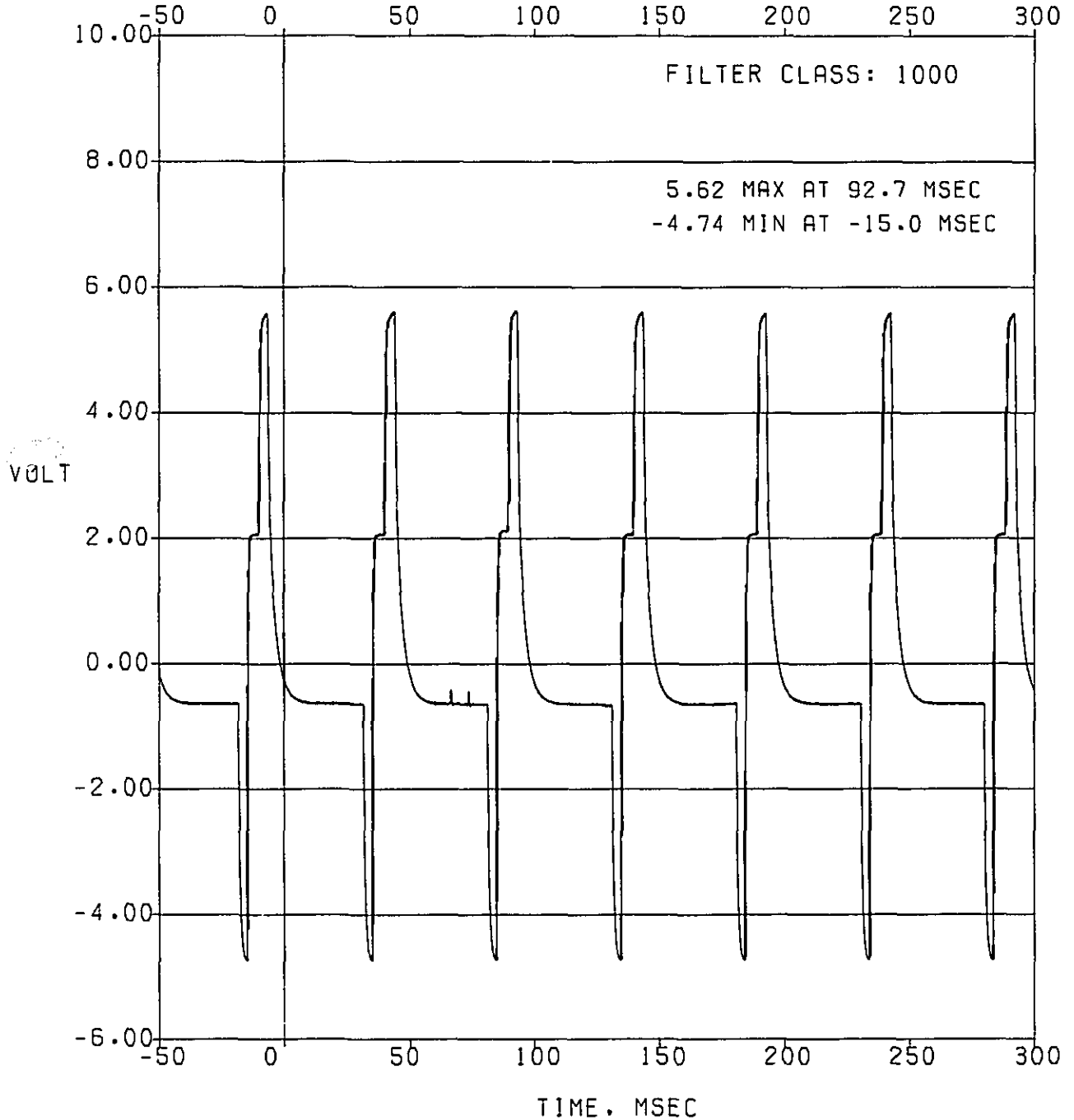


***** NOTE *****
***** NO CLOSURE *****

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

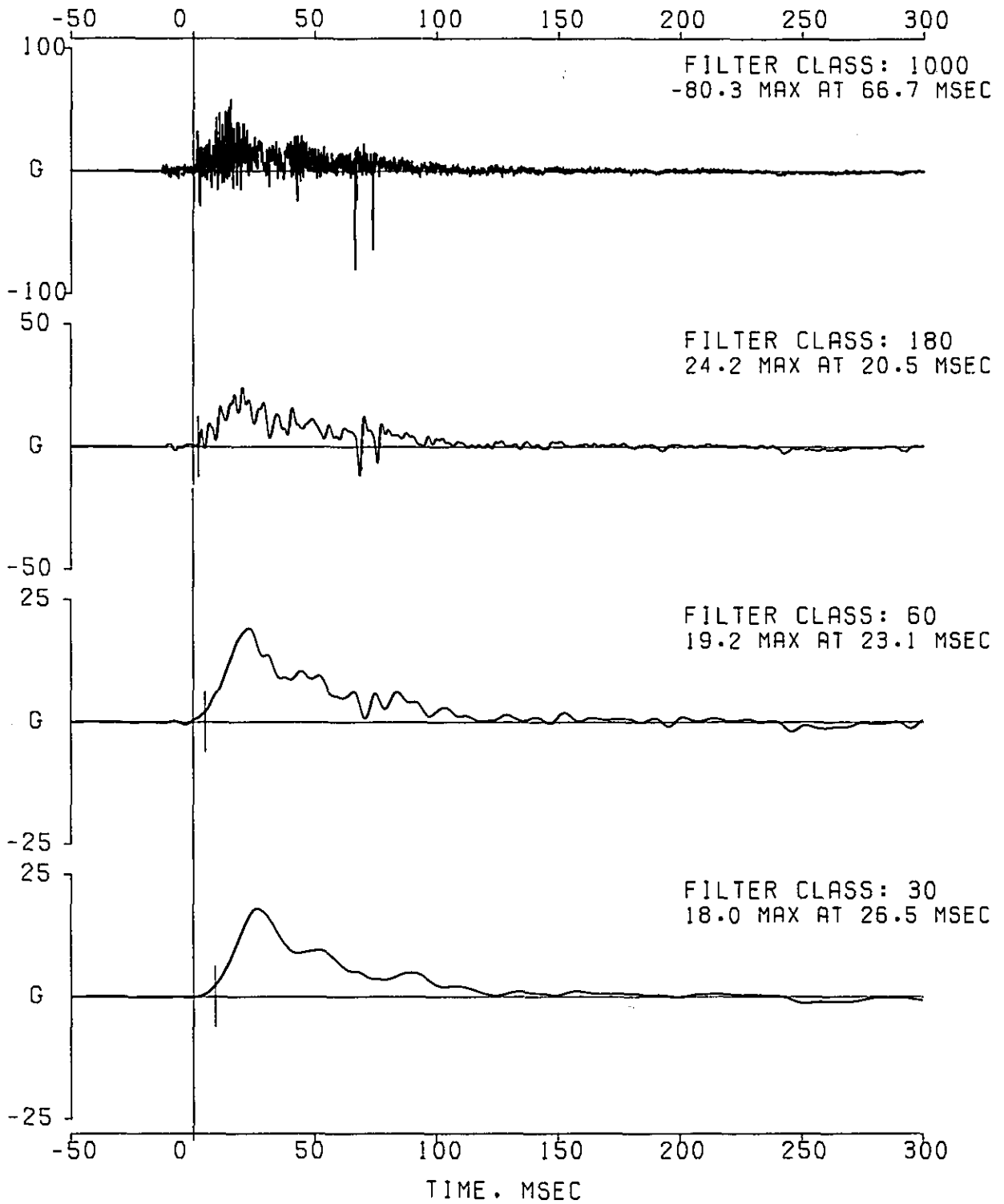
CHANNEL 019 TRW SAFING SENS EE

FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BE
SEP 22.1994 ERRATA 1



***** NOTE *****
***** NO CLOSURE *****

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.
CHANNEL 020 LT RAIL MBAR MID X 14324
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/21/94BE
SEP 22.1994 ERRATA 1

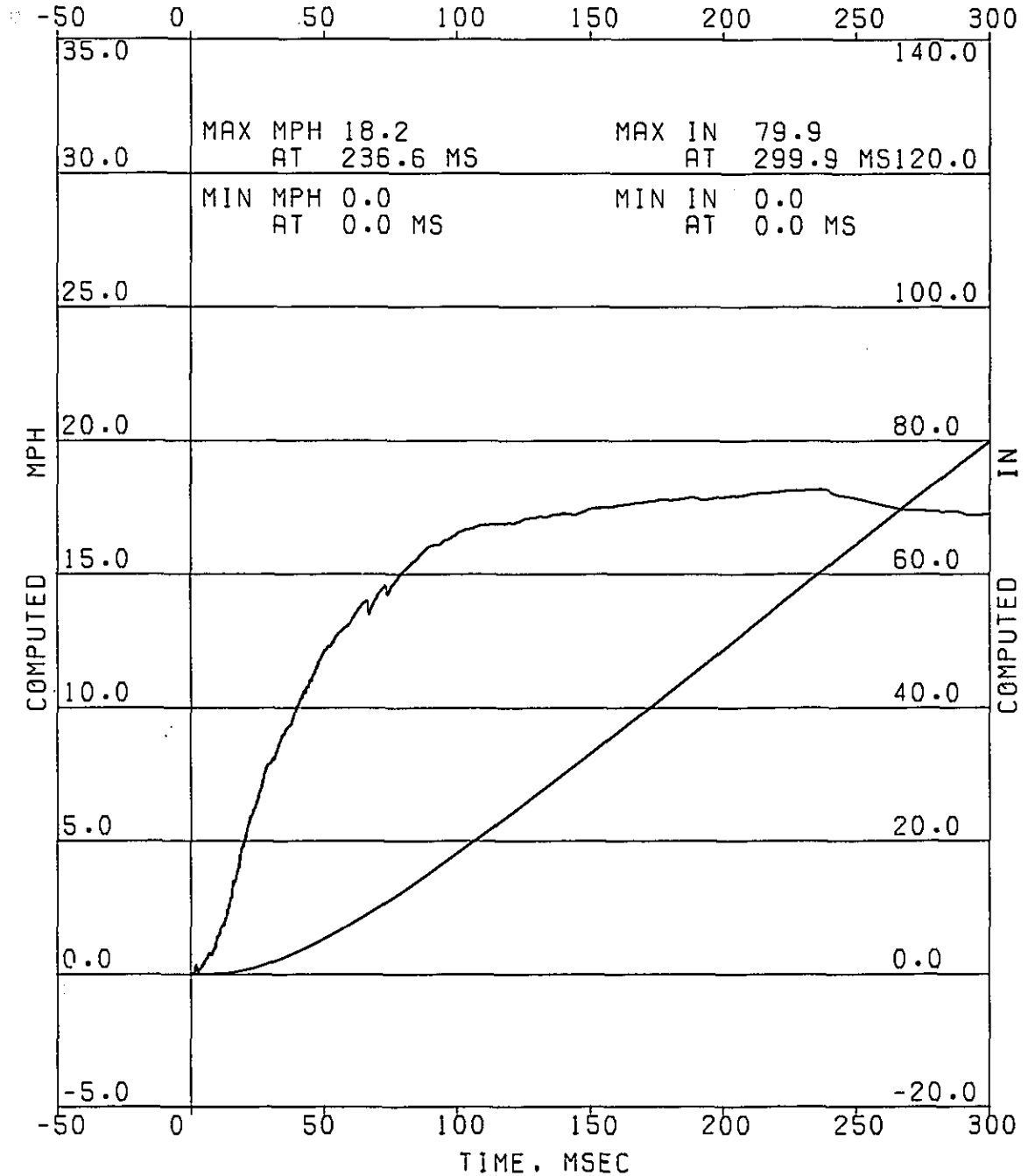


VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 020 LT RAIL MBAR MID X 14324

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

IMPACT ANALYSIS DEPT. 5320
 SEP 22.1994

DATA SET 09/21/94BE
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05241 30 MPH REAR BARRIER IMPACT. XJL74. 2.5L. ITEM XJ6767R
1997 MVSS 301 DEVELOPMENT.

CHANNEL 021 RT RAIL MBAR MID X 97860

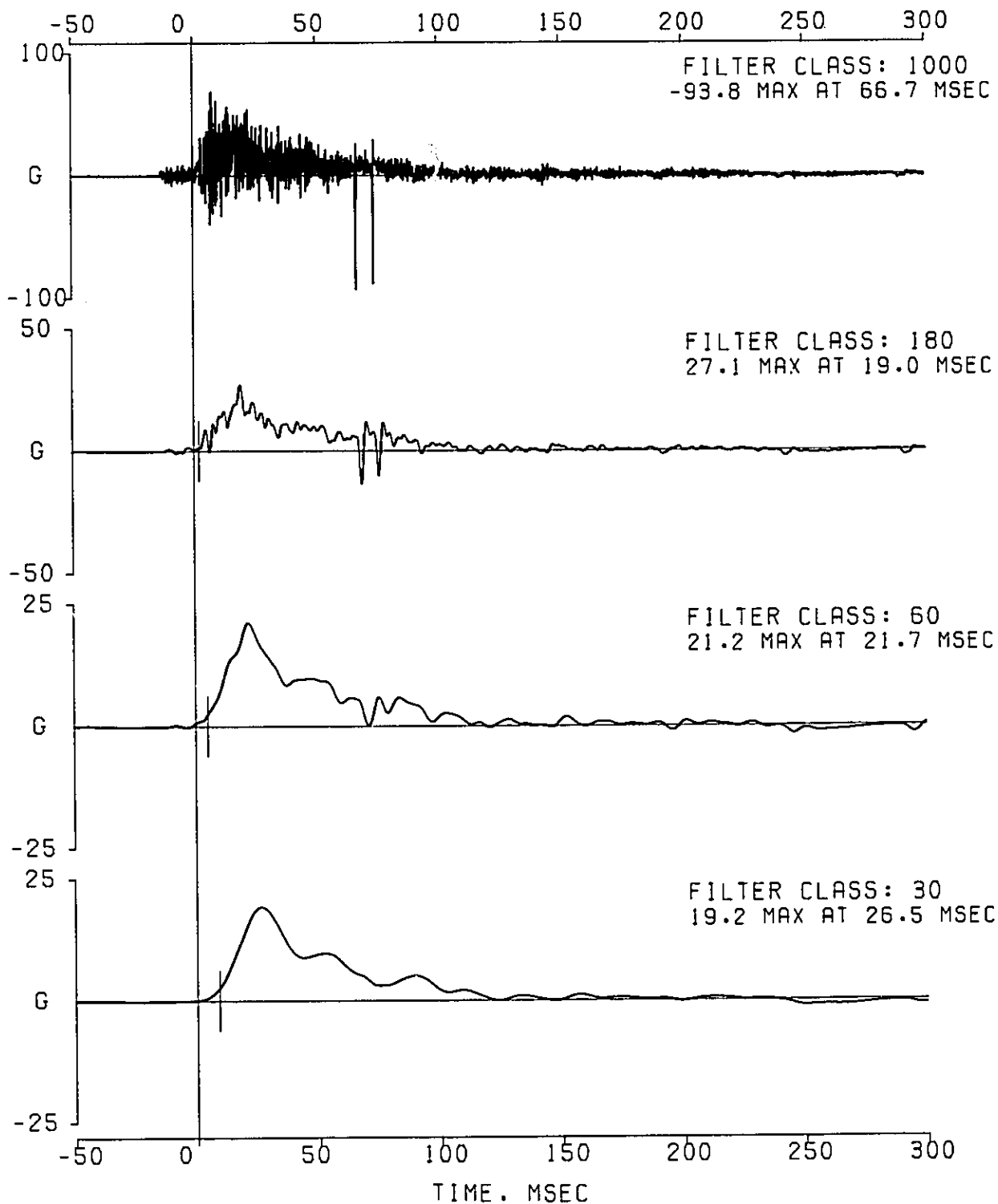
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 09/21/94BE

SEP 22.1994

ERRATA 1

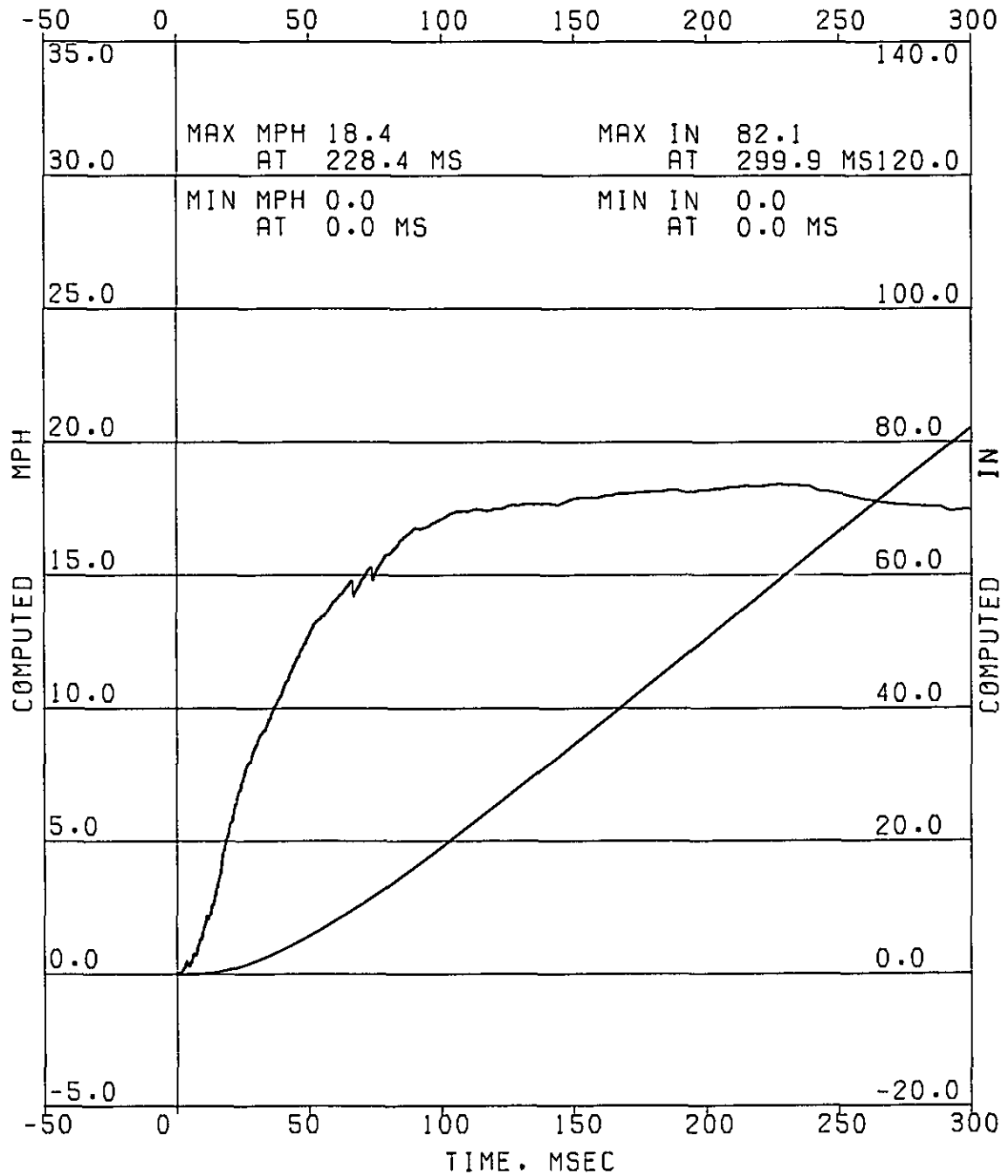


VC05241 30 MPH REAR BARRIER IMPACT, XJL74, 2.5L. ITEM XJ6767R
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 021 RT RAIL MBAR MID X 97860

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

IMPACT ANALYSIS DEPT. 5320
 SEP 22, 1994

DATA SET 09/21/94BE
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

EA12-005
CHRYSLER
12-13-2012
Enclosure 6B
301 Developmental Crash
Tests Public
XJ Development Crash Test
vc-5282 Public



Image Source Inc.

801 Front Street
Toledo, Ohio 43605
419/697/1111
Fax: 419/697/1267

IMAGE & INFORMATION MGT.

DECLARATION OF INTENT AND PURPOSE

Trina J. Carder

employed by Image Source Inc., do hereby declare that the records microfilmed herein are actual records of Chrysler Vehicle Crash tests 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 micrographed on this microfilm media is only to be accomplished 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 customer authorization or as part of the planned organizational operation procedure.

Date 10/30/96

Microfilming Operator

Trina J. Carder

Location 801 Front St.

EATZ-005-Chrysler-000768

Like VCS241

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

ITEM XJ6588 CHARGE NO. 5322001 ISSUE DATE 10/17/94

VC 5282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L.
1997 MVSS 301 DEVELOPMENT.TEST DATE 10, 21, 94 ENGINEER MANNEY
SPEED 30.3 MPH SOURCE WINCH COMPUTERTEST PURPOSE PRIMARY, 1997 MVSS 301 DEVELOPMENT.
FUEL SYSTEM INTEGRITY.IMPACT TYPE TARGET SPEED; 30.2 MPH
DAMAGE LOCATION; REAR
IMPACT TYPE; BARRIER
BARRIER SURFACE; PLYWOOD
DIRECTION; 0 DEGREESVEHICLE BODY CLASS; XJ
CAR LINE; J
BODY; 72
ENGINE; 4.0 LITRE
ENGINE NOTE; MPI
TRANSMISSION; 5 SPEED MANUAL 4X4
TRANS. NOTE;
VIN AS TESTED; 1J4FJ67S?RL [REDACTED] MOD.
VIN AS BUILT; 1J4FJ67S3RL [REDACTED] MOD.BUILD CONDITION 1994 XJ C-1 PILOT, 4 X 4 (P4XJ-6588),
MODIFIED TO REPRESENT 1997 FUEL SYSTEM DESIGN
DIRECTION.
23 GALLON PLASTIC FUEL TANK (CURRENT PRODUCTION
ZJ).TARGET WEIGHT (LBS) 3623 TOTAL, 2014 FRONT, 1609 REAR REP MAX OPT WT
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.TEST WEIGHT (LBS) 4267 TOTAL, 1924 FRONT, 2343 REAR

FUEL BALLAST 22 GALLONS STODDARD TOTAL.

LUGGAGE BALLAST 300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.

OTHER BALLAST 50 LBS FRONT FLOOR PAN
40 LBS REAR FOOTWELL

POST TEST REMARKS

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

OCCUPANTS

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

AD NO 53AD NO 52

MECHANICAL REQ

TARGET VEHICLE PER 3RD SHEET NO. 102.
MEASURE VEHICLE ATTITUDE AS RECEIVED AND WHEN
LOADED FOR TEST, ADJUST ACCORDINGLY.
PAINT FUEL TANK, REAR AXLE, AND UNDERBODY FOR
CONTRAST.
PAINT FUEL FILL TUBE.
TARGET SEAT BACK.
PRESSURE CHECK POST TEST - FUEL TANK ONLY.

INSTRUMENTATION REQ

SEE 3RD SHEET NO. 102 FOR ACCELEROMETER REQUIRE-
MENTS AND LOCATIONS.
INSTALL PRESSURE TRANSDUCER IN STEEL FUEL FILL
TUBE. MONITOR PRESSURE TRANSDUCER.
1-ACCELEROMETER CENTERED ON THE FRONT OF THE FUEL
TANK.
HYB II BALLAST DUMMIES.

PHOTOGRAPHIC REQ

1-RIGHT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
AT IMPACT.
1-LEFT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
AT IMPACT.
1-LEFT SIDE CAMERA TO VIEW LEFT RAIL OVER THE TOP
OF THE LEFT, REAR WHEEL.
1-PIT CAMERA FOR FULL UNDERBODY VIEW.
2-PIT CAMERAS TO VIEW FUEL TANK AND SURROUNDING
AREA - ONE VIEWING FILLER TUBE.
1-RIGHT SIDE VIEW OF REAR OF VEHICLE.
1-CATWALK CAMERA TO VIEW ENTIRE VEHICLE.
1-VELOCITY ANALYSIS CAMERA.
1-PANNING CAMERA.

FILM ANALYSIS

VEHICLE VELOCITY, ONLY IF REQUESTED.
DYNAMIC CRUSH.

REMARKS

TEST REQUEST ORIGINATOR: CHRIS CORNEAU (733-8576).
MAKE (1) COPY OF FILM & (1) VIDEO, SEND COPIES TO:
C.C. CORNEAU 514-15-58.
VEHICLE WILL REMAIN AT CHELSEA PROVING GROUNDS.

T. E. REPORT

NOT REQUIRED.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

REPORT CODES

A = TRANSDUCER DATA	E = 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	

DISTRIBUTION

W.A. BREITMOSER	422-05-01	(AB)
C.C. CORNEAU	514-15-58	(AB)
D.T. MCKENZIE	422-05-01	(AB)

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC05282 30 MPH REAR BARRIER IMPACT, XJJL72, 4.0L ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
TEST DATE 10/21/94

TEST PURPOSE PRIMARY, 1997 MVSS 301 DEVELOPMENT.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.2 MPH
DAMAGE LOCATION; REAR
IMPACT TYPE; BARRIER
BARRIER SURFACE; PLYWOOD
DIRECTION; 0 DEGREES

VEHICLE BODY CLASS; XJ
CAR LINE; J
BODY; 72
ENGINE; 4.0 LITRE
ENGINE NOTE; MPI
TRANSMISSION; 5 SPEED MANUAL 4X4
TRANS. NOTE;
VIN AS TESTED; 1J4FJ67S?RL [REDACTED] MOD.
VIN AS BUILT; 1J4FJ67S3RL [REDACTED] MOD.

TEST SPEED 30.3 MPH BY WINCH COMPUTER.

TEST WEIGHT (LBS) 4267 TOTAL, 1924 FRONT, 2343 REAR

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

BUILD CONDITION [REDACTED]

TARGET WEIGHT (LBS) 3623 TOTAL, 2014 FRONT, 1609 REAR REP MAX OPT WT
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC05282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
TEST DATE 10/21/94

FUEL AND BALLAST 22 GALLONS STODDARD TOTAL.
300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.
50 LBS SECURED TO FRONT FLOORPAN.
50 LBS SECURED TO REAR FOOTWELL.

POST TEST REMARKS THERE WAS EXCESSIVE FUEL LEAKAGE AT IMPACT, RESULTING FROM DAMAGE TO THE FRONT OF THE FUEL TANK.

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	

DISTRIBUTION

W.A. BREITMOSER	422-05-01	(AB)
C.C. CORNEAU	514-15-58	(AB)
D.T. MCKENZIE	422-05-01	(AB)

DATE 10/21/94

TIME 13.05.54.

INTER COMPANY CORRESPONDENCE

AKD
DATE 10/27/94

TO
DISTRIBUTION
FROM J. W. HANIKA DEPARTMENT 5320 DIVISION ENGINEERING PLANT/OFFICE CHRYSLER CENTER CIMS NUMBER 418-42-27

VC05282 30 MPH REAR BARRIER IMPACT, XJJL72, 4.0L ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
TEST DATE 10/21/94

PRE IMPACT VELOCITY HAS BEEN DETERMINED BY FILM ANALYSIS.

PRE IMPACT VELOCITY 30.27 + OR - .1 MPH
WINCH VELOCITY 30.3 MPH



D. G. LABICK

J. W. HANIKA

CC
T. P. MAULE
J. P. MANNEY

X, LONGITUDINAL DIMENSIONS

TEST NUMBER VC5282, TEST ENGINEER MANNEY

TEST TYPE: 30 MPH REAR WITH
TYPE 4 MOV. BARR.

V.I.N. 1J4FJ67S?RL

LOCATION	BEFORE	AFTER	CHANGE	LOCATION	BEFORE	AFTER	CHANGE
BC1	0			BC2	145.2		
RRA RIGHT!		XXXX	XXXX	B1			
REAR AXLE!	128.0				165.0	XXXX	XXXX
RFS	55.6	XXXX	XXXX	B2	165.0	XXXX	XXXX
RMS	25.8	XXXX	XXXX			XXXX	XXXX

TRAMMEL DIMENSIONS;

RFS-RMS 30.05

Y, LATERAL DIMENSIONS

LOCATION	BEFORE	AFTER	CHANGE	LOCATION	BEFORE	AFTER	CHANGE
BC1	18.3			BC2	00.0		
RRA RIGHT!		XXXX	XXXX	B1			
REAR AXLE!	32.5				18.3	XXXX	XXXX
RFS	31.3	XXXX	XXXX	B2	18.4	XXXX	XXXX
RMS	32.2	XXXX	XXXX			XXXX	XXXX

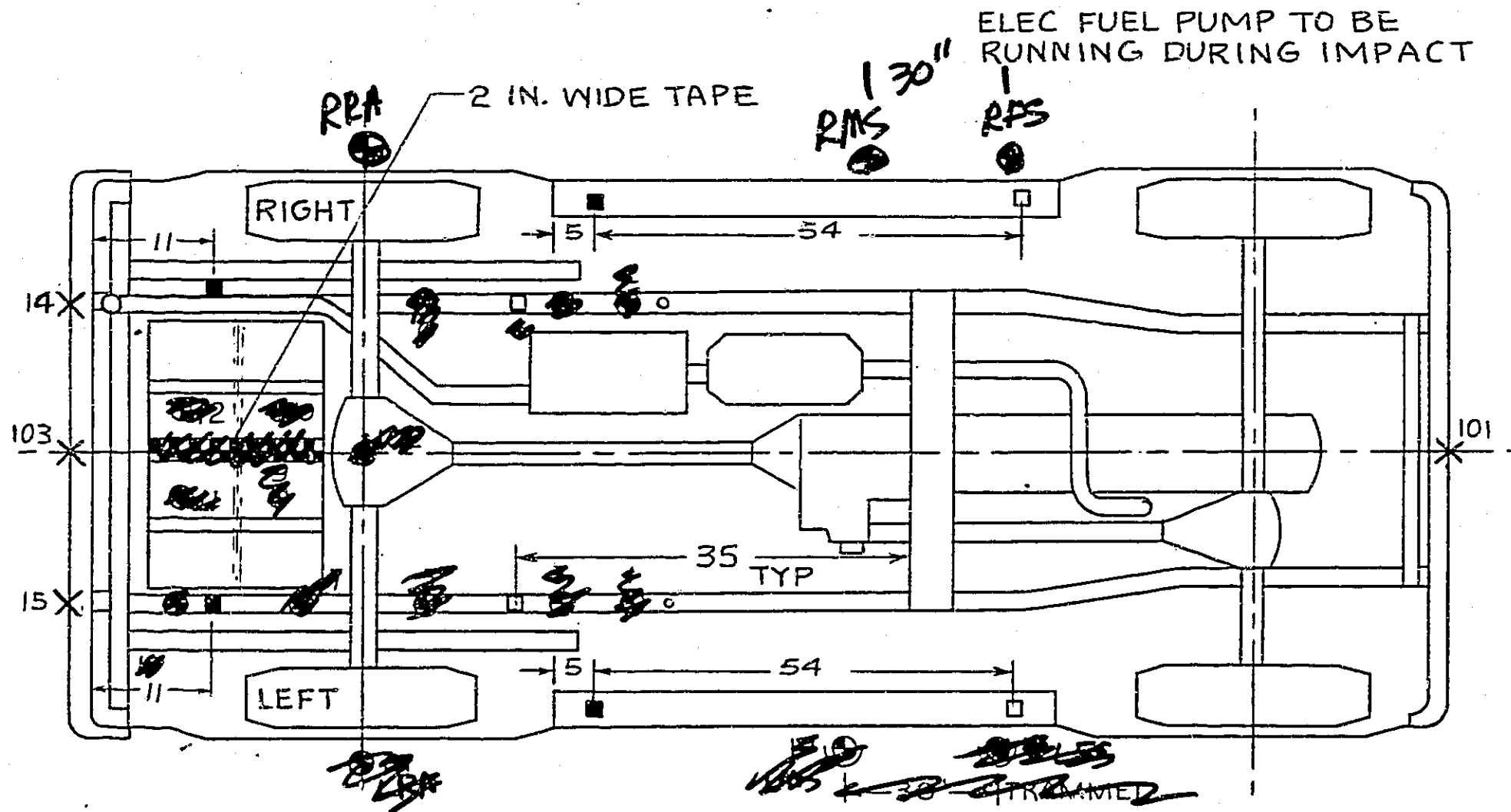
Z, VERTICAL DIMENSIONS

LOCATION	BEFORE	AFTER	CHANGE	LOCATION	BEFORE	AFTER	CHANGE
RRA RIGHT!	13.4	XXXX	XXXX			XXXX	XXXX
REAR AXLE!							
RFS	14.3	XXXX	XXXX			XXXX	XXXX
RMS	14.6	XXXX	XXXX			XXXX	XXXX

THIRD SHEET 102, ITEM NG6588 VC 5282
 JEEP CHEROKEE 4x4
 TARGET AND ACCELEROMETER LOCATIONS
 FOR REAR IMPACTS

ZENONS REQD ON ROOF

ELEC FUEL PUMP TO BE
 RUNNING DURING IMPACT



TARGETS

LEGEND

ACCELEROMETERS

X PUNCH POINT
 ● UNDERBODY
 ⊙ SIDE VIEW

□ SINGLE AXIS, X
 ■ BIAXIAL, X & Z

NOTES -

1. PRE AND POST DIMENSIONS ARE REQUIRED PER BREITMOSER LETTER OF 01-04-88
2. NUMBERS ASSIGNED TO EACH TARGET ARE PERMANENT.
3. TARGETS MAY BE DELETED BY NUMBER PER TR.
4. ADDITIONAL TARGETS MAY BE REQUESTED BY TR.
5. LOCATIONS SHOWN ARE APPROX TO ± 0.5 IN. ACTUAL MEASUREMENT TO ± 0.1 INCH.

TUBE COLOR BLUE

REAR SILL

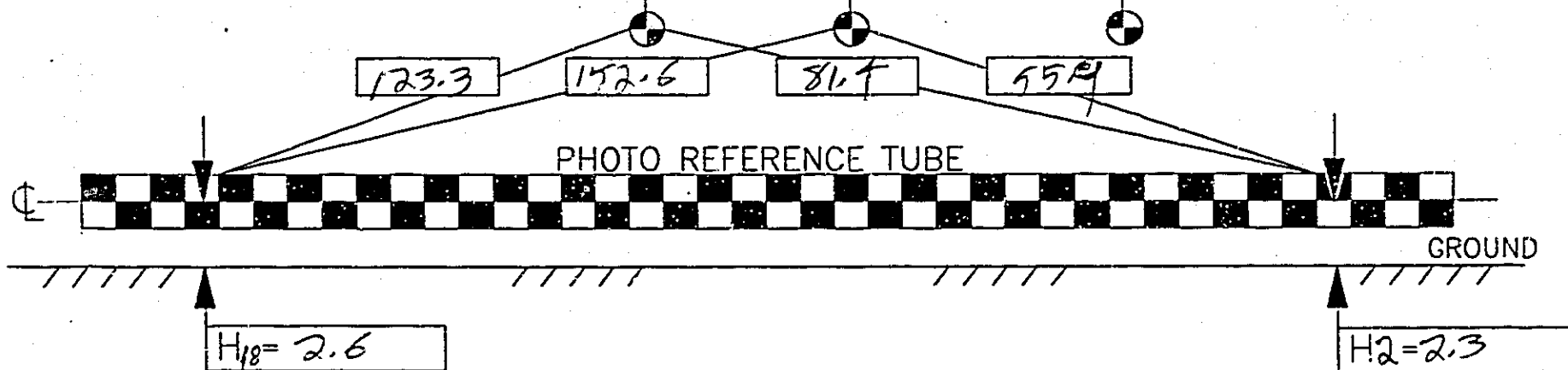
X=
Y=
Z=13.9

FRONT SILL

X=
Y=
Z=13.9

REAR AXLE

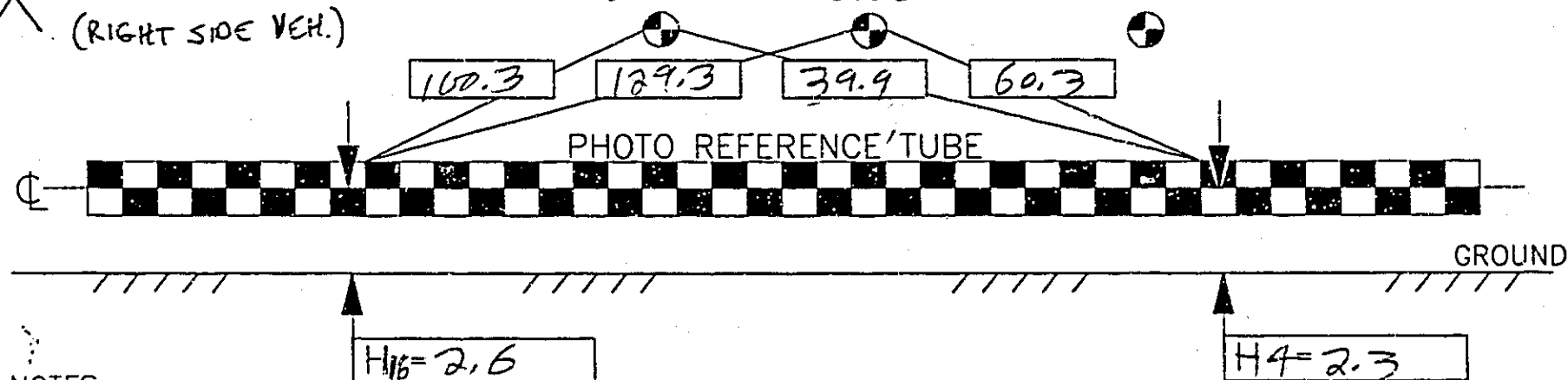
X=
Y=
Z=13.3



FORWARD
(RIGHT SIDE VEH.)

REAR SILL

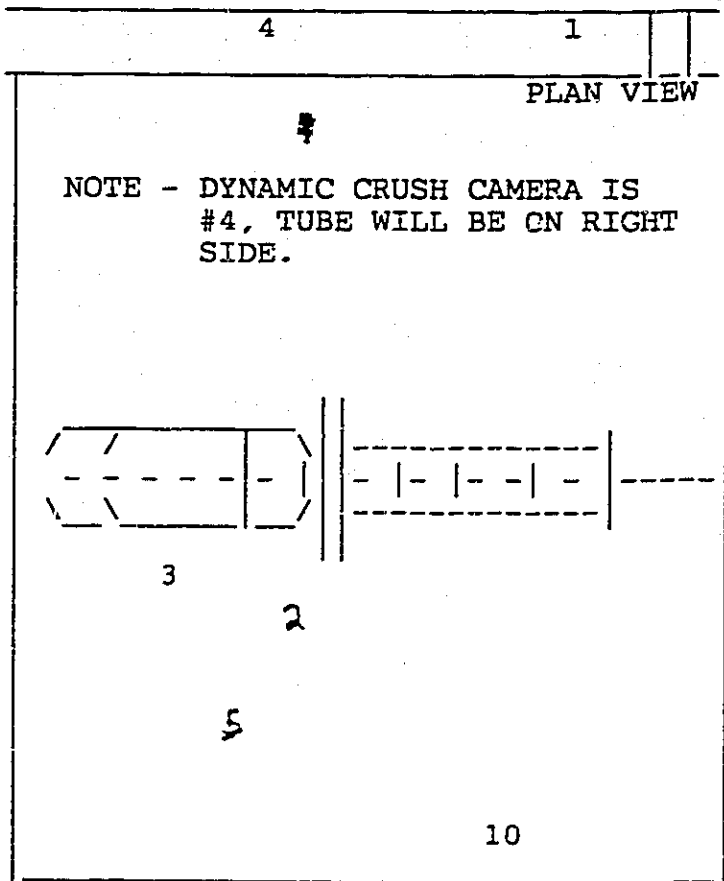
FRONT SILL



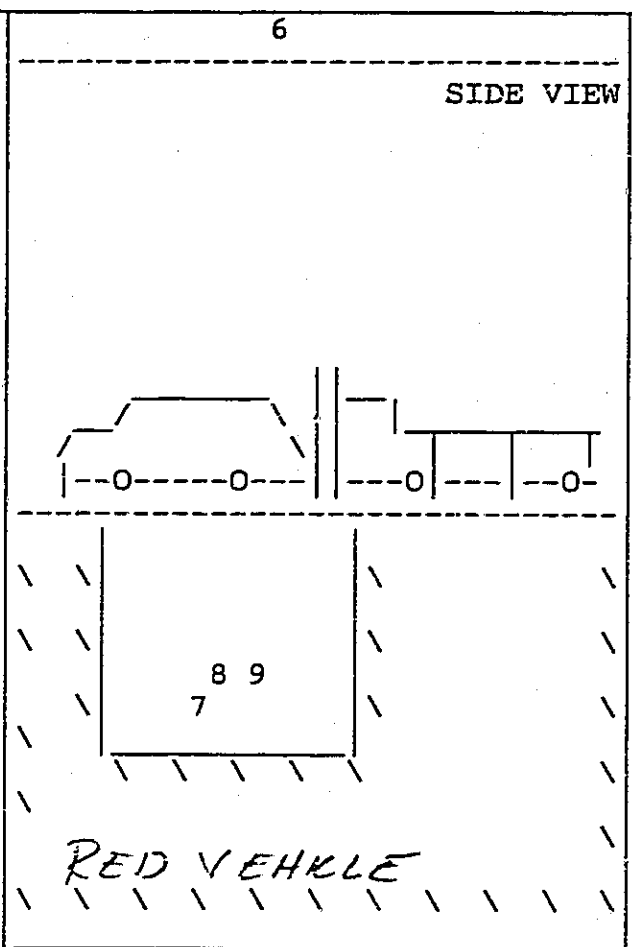
NOTES:

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 MANNEY
VC 5282



1872
1873
1874
1875
282
431
429
433
1879



TEST NUMBER VC5282 TEST TYPE: 30 MPH TYPE IV MOVING BARRIER REAR IMPACT
TEST ENGINEER MANNEY REQUEST DATE : 10/18/94 VEHICLE BODY CLASS : XJ

#	VIEW DESCRIPTION A=ANALYSIS	CAM S/N	LENS F.L.	LENS S/N	LENS MFG.	F- STOP	PNL	SKT	CBL	CAM MFG
1	PANNING									
2	LT. OVERALL	1872	9mm	102312	KIN	5.6 ^{2/3}				
3	LT. CLOSE-UP LT. REAR RAIL	1873	35mm	111106	KIN	4 ^{5/8}				
4	A RIGHT OVERALL/DYNAMIC CRUSH	1875	25mm	100472	KIN	5.6 ^{2/3}				
5	LEFT REAR CLOSE-UP	1874	25mm	111095	KIN	5.6 ^{2/3}				
6	CATWALK OVERALL	282	18mm	107230	KIN	8 ^{2/3}				
7	PIT OVERALL	431	13mm	21324	LOS	5.6 ^{2/3}				
8	PIT F/TANK & SURROUNDINGS	429	ZOOM	953	SCHNEIDER	5.6 ^{2/3}				
9	PIT FILLER TUBE AREA	433	25mm	89162	LOS	5.6 ^{2/3}				
10	A-VELOCITY	1879	100mm	B2088	ELGEFT	5.6 ^{2/3}				
11										
12										
13										
14										

#3 - REAR RAIL / USE 2 COLORTRANS PLUS 1 STANCO LAMP

CAMERA #9 DID NOT COMPLETE ENTIRE ROLL OF FILM.

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC5282, ITEM NUMBER XJ6588 , TEST ENGINEER MANNEY

V.I.N. 1J4FJ67S?RL [REDACTED] TEST DATE 10/21/94 ROLL DATE N/A / /

TEST TYPE; 30 MPH FRONT FLAT FIXED BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 22.0 GALLONS

TEST SPEED _____ MPH, TEST WEIGHT 4267 POUNDS.

POST TEST FUEL SYSTEM OBSERVATIONS LEAKAGE DUE TO DISPLACEMENT OF SENDING UNIT. REAR FLOOR WAS CUT AND TANK WAS DROPPED FOR POST-TEST INSPECTION AT PROVING GROUNDS.

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

POST TEST PRESSURE CHECK N/A

ELECTRIC FUEL PUMP RUN N/A

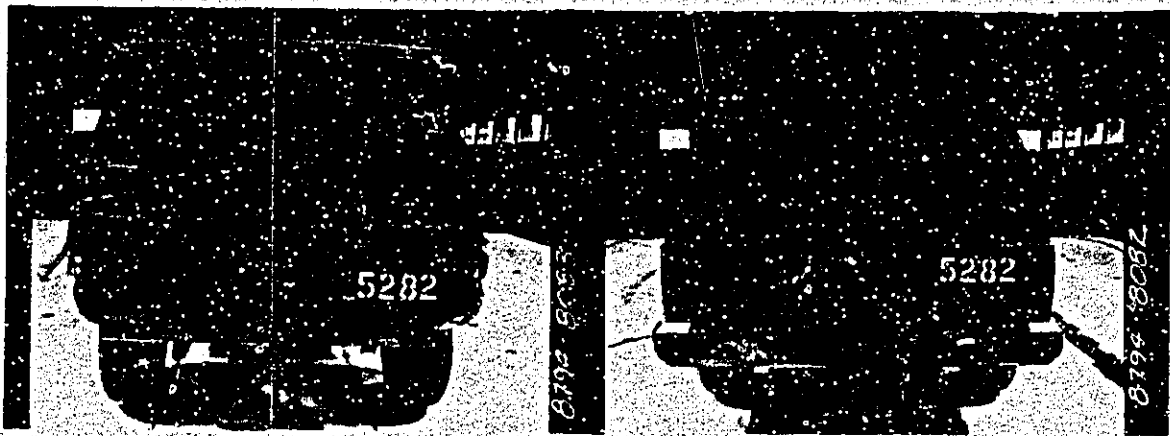
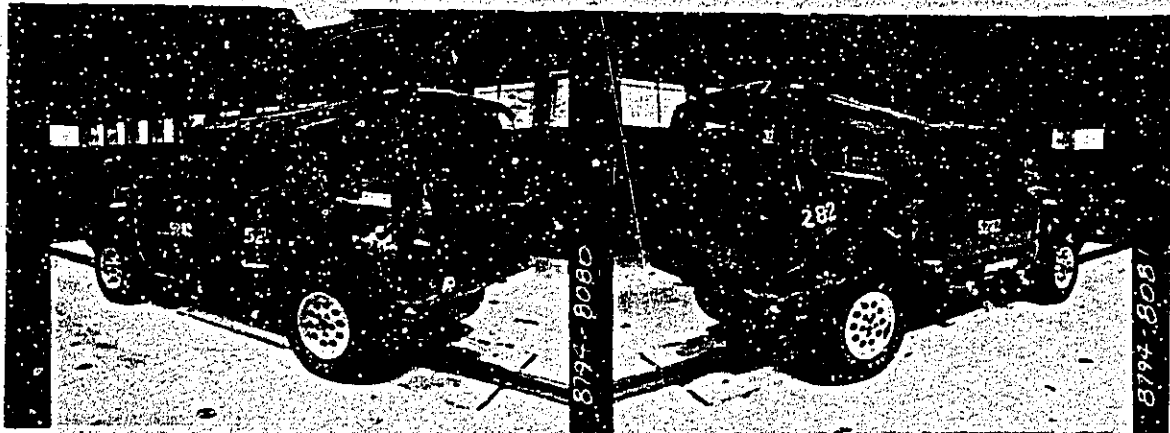
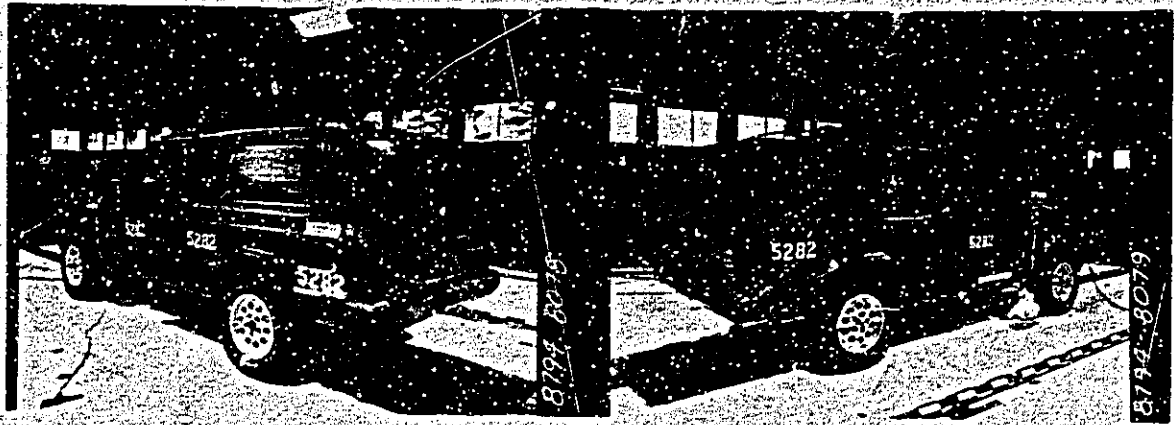
STATIC ROLL LEAKAGE WITH VEHICLE N/A SIDE DOWN FIRST

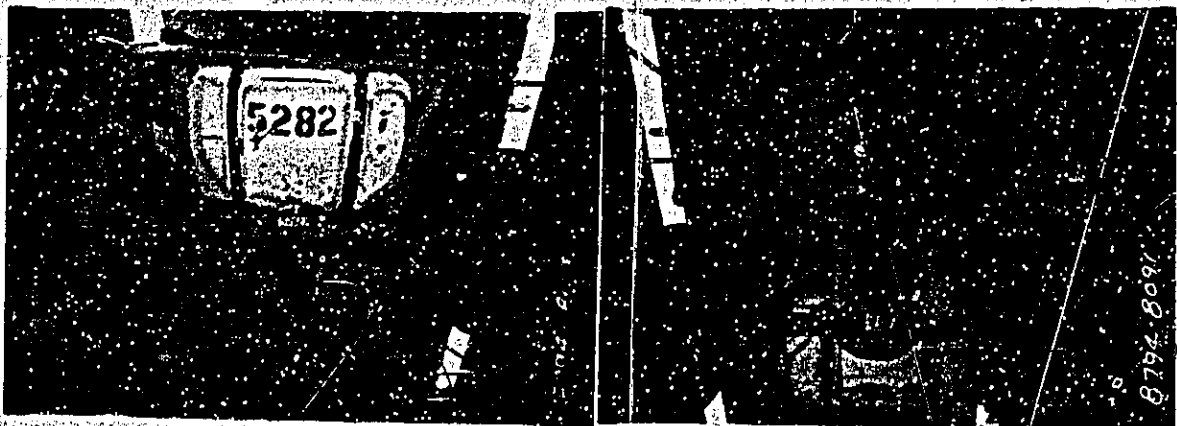
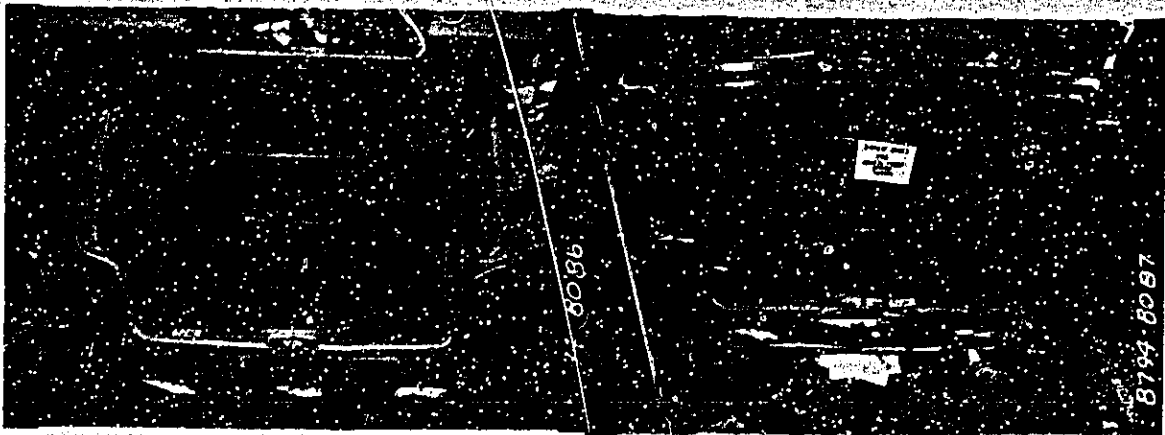
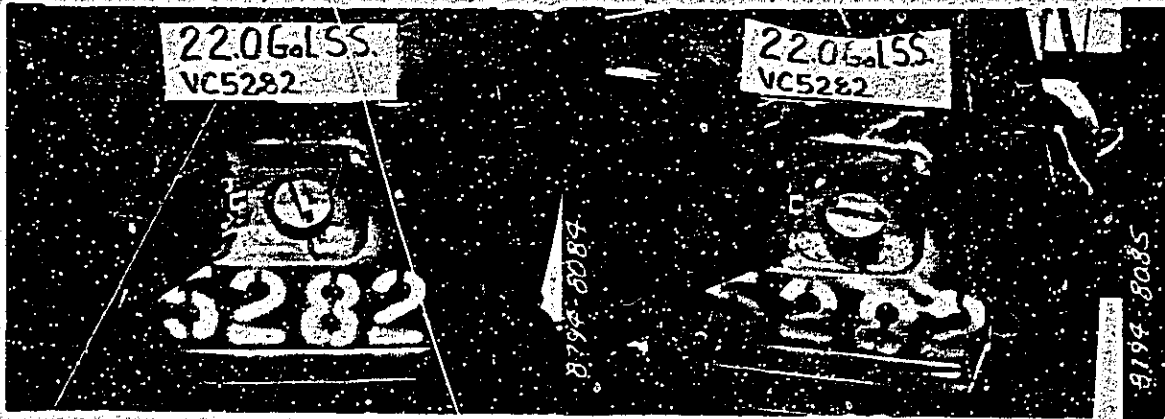
FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

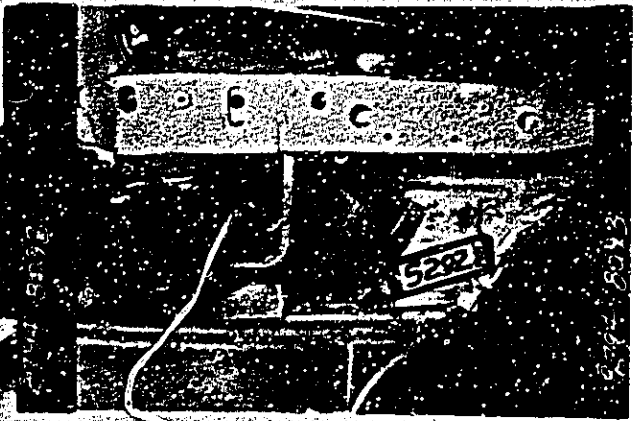
ROLL TIME						TOTAL
0-90	1ST 5 MIN					*
	POST 5 MIN					**
90-180	1ST 5 MIN					*
	POST 5 MIN					**
180-270	1ST 5 MIN					*
	POST 5 MIN					**
270-360	1ST 5 MIN					*
	POST 5 MIN					**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

LAST FORM MODIFICATION 5/27/93 - GAB







VC05282

ELECTRONIC TRANSDUCER DATA

TEST DATE:
10/21/94

VC05282 30 MPH REAR BARRIER IMPACT, XJVL72, 4.0L ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.

TEST PURPOSE PRIMARY, 1997 MVSS 301 DEVELOPMENT.
FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED: 30.2 MPH
DAMAGE LOCATION: REAR
IMPACT TYPE: BARRIER
BARRIER SURFACE: PLYWOOD
DIRECTION: 0 DEGREES

VEHICLE BODY CLASS: XJ
CAR LINE: J
BODY: 72
ENGINE: 4.0 LITRE
ENGINE NOTE: MPI
TRANSMISSION: 5 SPEED MANUAL 4X4
TRANS. NOTE:
VIN AS TESTED: 1J4FJ67S?RL MOD.
VIN AS BUILT: 1J4FJ67S3RL MOD.

TEST SPEED 30.3 MPH BY WINCH COMPUTER.

TEST WEIGHT (LBS) 4267 TOTAL, 1924 FRONT, 2343 REAR

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

BUILD CONDITION

TARGET WEIGHT (LBS) 3623 TOTAL, 2014 FRONT, 1609 REAR REP MAX OPT WT
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 22 GALLONS STODDARD TOTAL.
300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.
50 LBS SECURED TO FRONT FLOORPAN.
50 LBS SECURED TO REAR FOOTWELL.

POST TEST REMARKS THERE WAS EXCESSIVE FUEL LEAKAGE AT IMPACT, RES-
ULTING FROM DAMAGE TO THE FRONT OF THE FUEL TANK.

TEST DATE:
10/21/94

ELECTRONIC TRANSDUCER DATA

VC05282

ITEM NO XJ6588
DATA SET
10/21/94BF

IMPACT ANALYSIS
DEPARTMENT 5320
CODE EDP

S. MARCHENIA

MICROFICHE INCLUDED - 33 GRAPHS

VC05282

ELECTRONIC TRANSDUCER DATA

TEST DATE:
10/21/94

TEST DATE:
10/21/94

ELECTRONIC TRANSDUCER DATA

VC05282

ITEM NO XJ6588

DATA SET
10/21/94BF

IMPACT ANALYSIS
DEPARTMENT 5320
CODE EDP

S. MARCHENIA

MICROFICHE INCLUDED - 33 GRAPHS

VC05282 30 MPH REAR BARRIER IMPACT. XJL72, 4.0L ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.

A MICROFICHE HAS BEEN PREPARED AND IS AVAILABLE UPON
REQUEST WITH THE GRAPHS AT COORDINATES AS FOLLOWS:

A	4- 5	TRANSDUCER SUMMARY REPORT	
A	6- 7	AVERAGE OF SILLS	
B	1. 2	LEFT FRONT SILL	X
B	3. 4	RIGHT FRONT SILL	X
B	5. 5	LEFT REAR SILL	X
B	7. 8	LEFT REAR SILL	Z
B	9. 10	RIGHT REAR SILL	X
B	11. 12	RIGHT REAR SILL	Z
B	13. 14	LT RAIL TRAIL ARM PIV	X
C	1. 2	RT RAIL TRAIL ARM PIV	X
C	3. 4	LT REAR RAIL MID TANK	X
C	5. 6	LT REAR RAIL MID TANK	Z
C	7. 8	RT REAR RAIL MID TANK	X
C	9. 10	RT REAR RAIL MID TANK	Z
C	11	FUEL FILLER LINE PRESS	
C	12. 13	LT RAIL MBAR MID	X
C	14	RT RAIL MBAR MID	X
D	1	RT RAIL MBAR MID	X
CC		W. A. BREITMOSER	422-05-01
		C. C. CORNEAU	514-15-58
		D. T. MCKENZIE	422-05-01

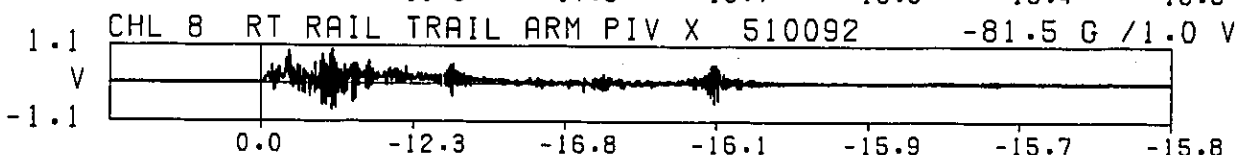
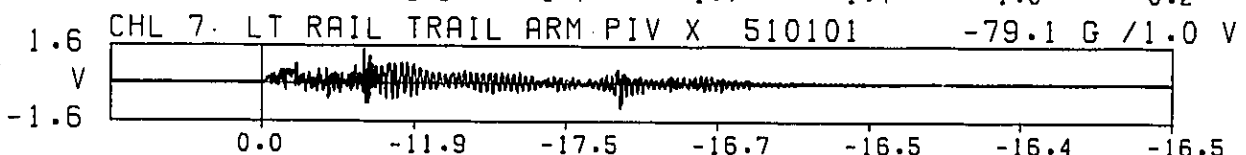
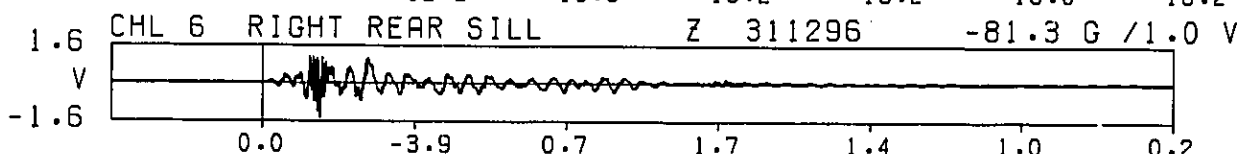
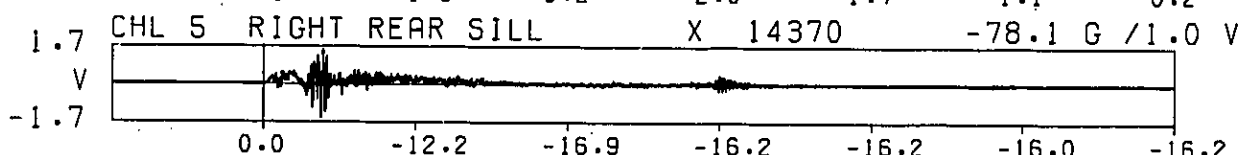
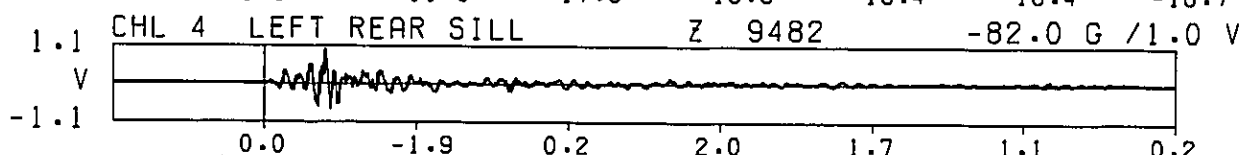
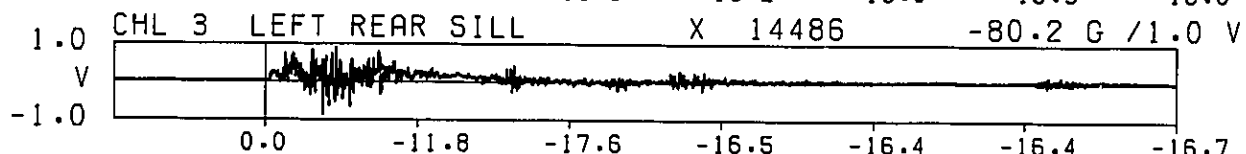
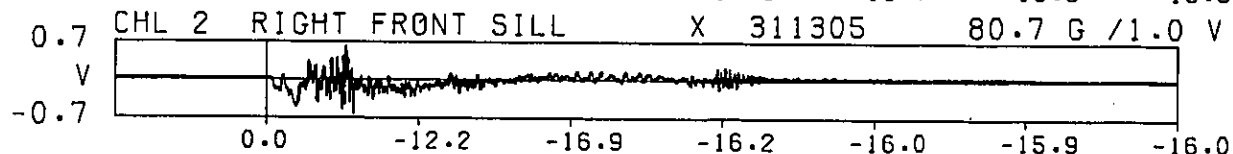
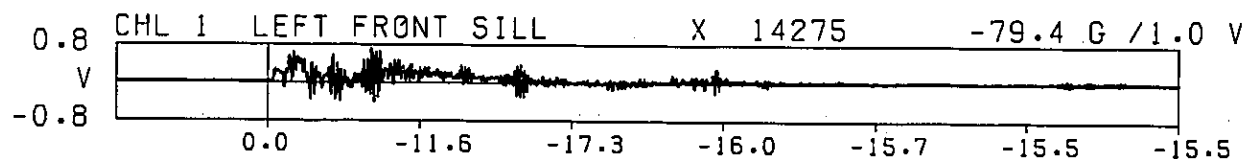
TRANSDUCER SUMMARY REPORT

VC05282 30 MPH REAR BARRIER IMPACT, XJJL72, 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320

DATA SET 10/21/94BF
 ERRATA 1

NOV 1, 1994

-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

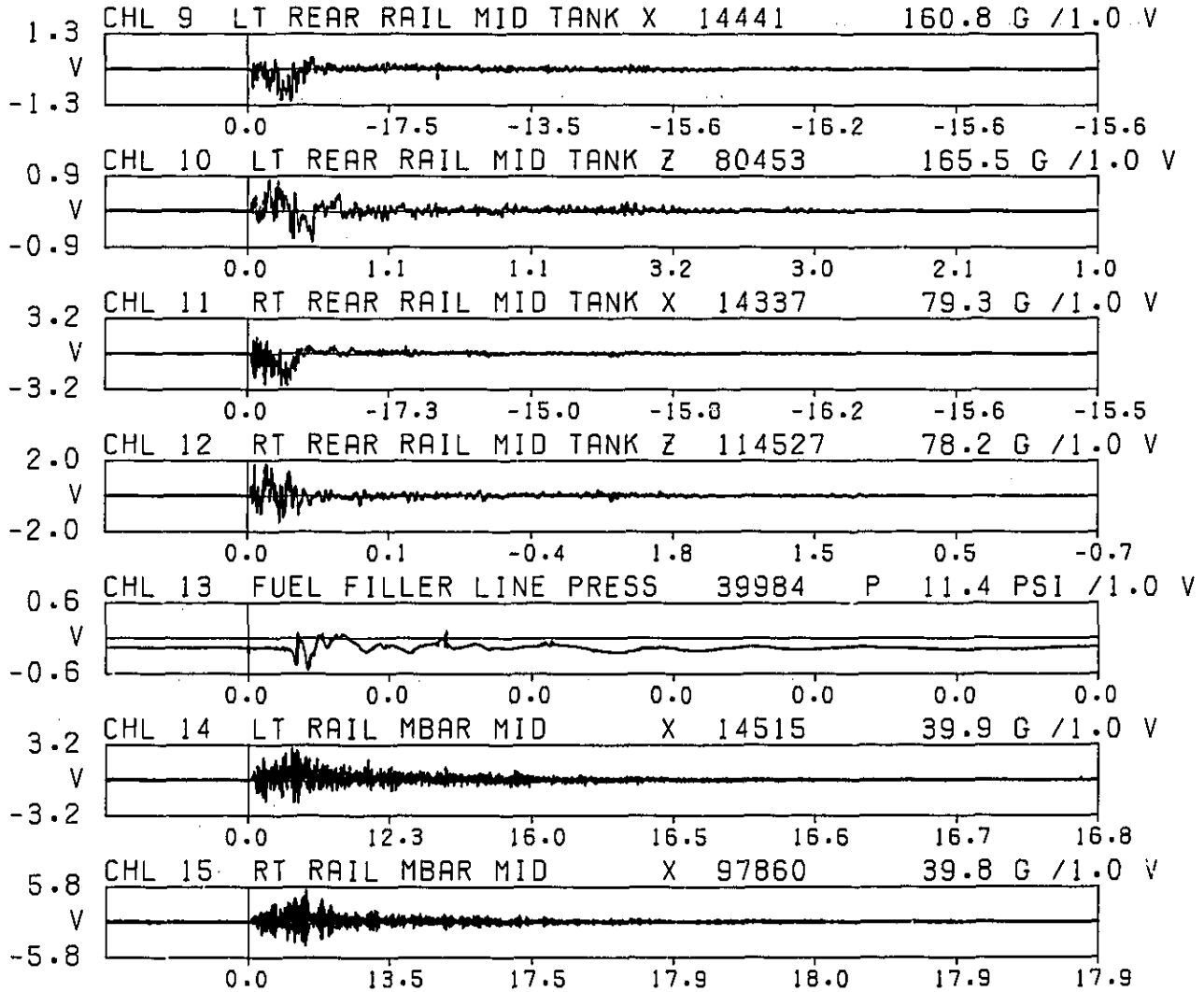
VC05282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320

DATA SET 10/21/94BF

NOV 1.1994

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-.

VC05282 30 MPH REAR BARRIER IMPACT. XJUL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL	X	14275
CHANNEL 002 RIGHT FRONT SILL	X	311305
CHANNEL 003 LEFT REAR SILL	X	14486
CHANNEL 005 RIGHT REAR SILL	X	14370

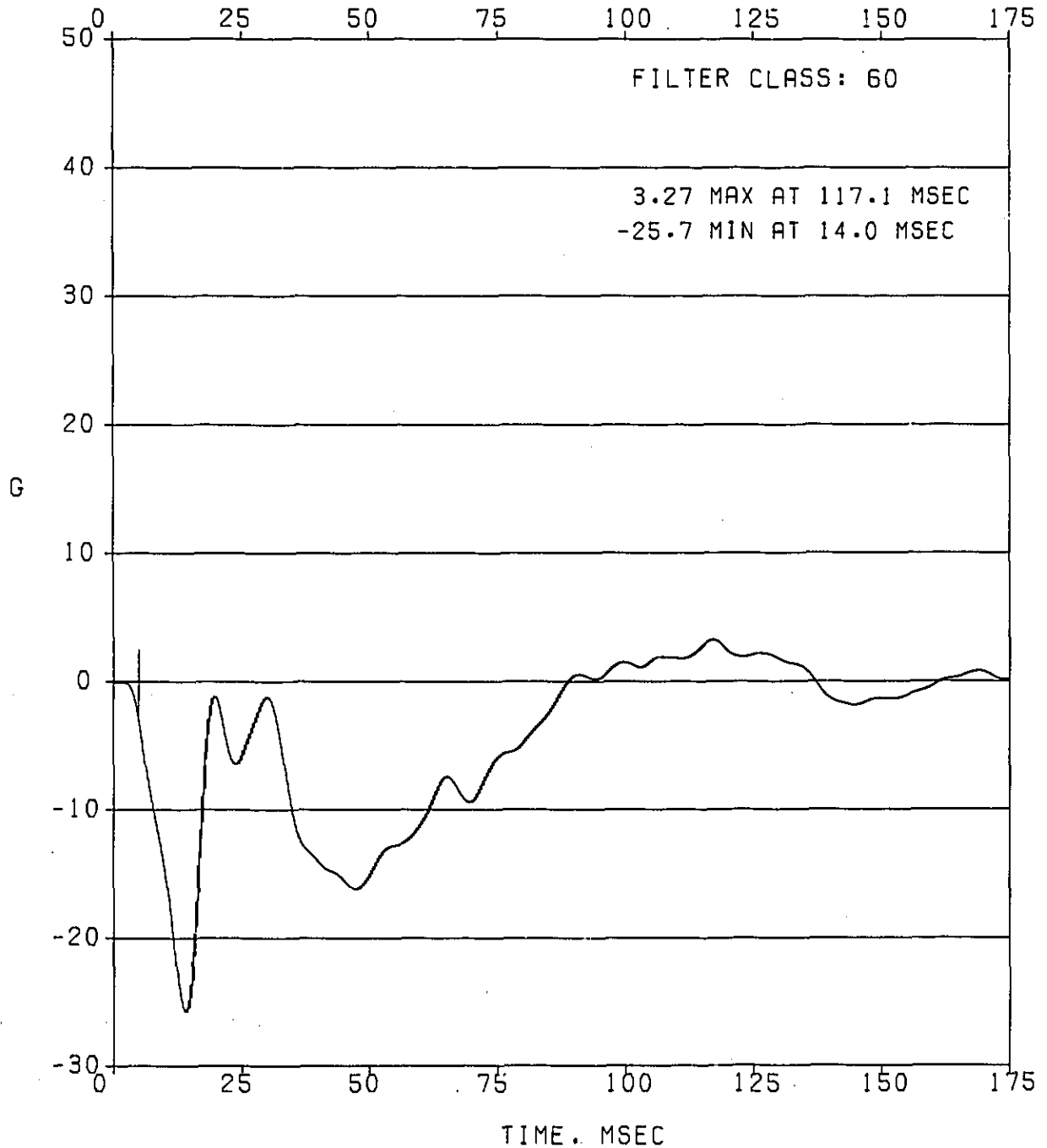
FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86

IMPACT ANALYSIS DEPT. 5320

DATA SET 10/21/94BF

NOV 1.1994

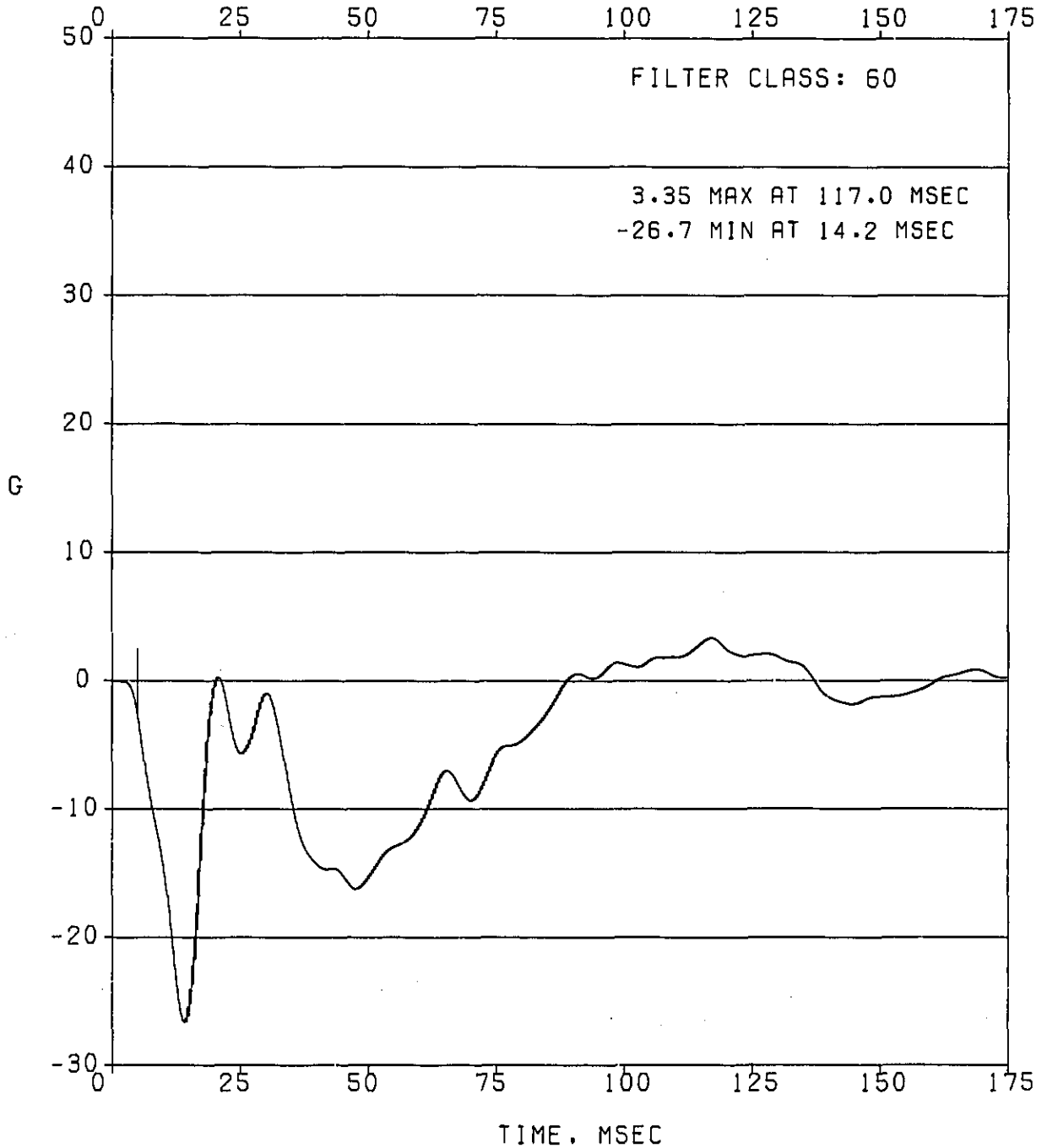
ERRATA 1



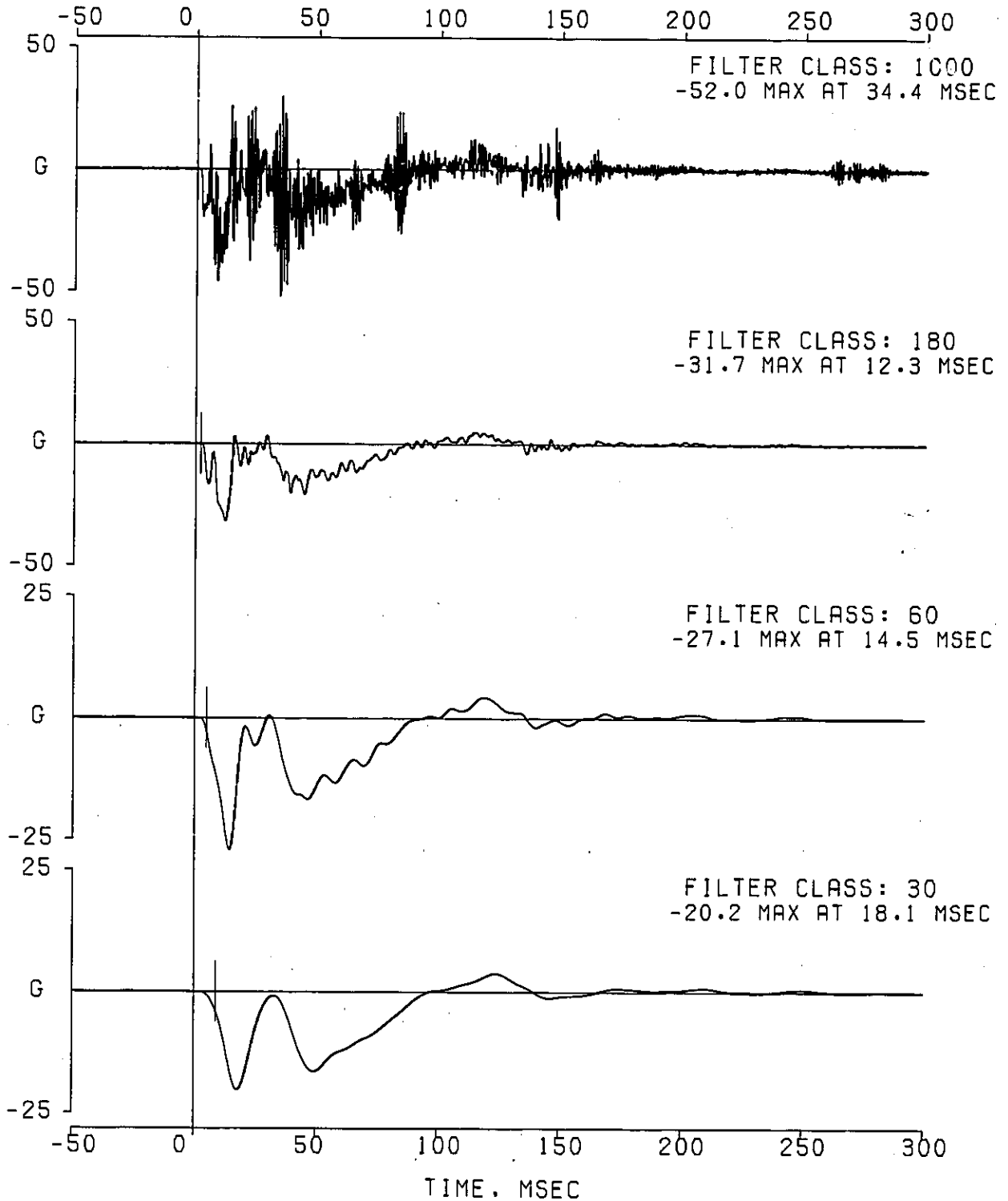
VC05282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X 14275
CHANNEL 002 RIGHT FRONT SILL X 311305

FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1



VC05282 30 MPH REAR BARRIER IMPACT, XJJL72, 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 001 LEFT FRONT SILL X 14275
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1

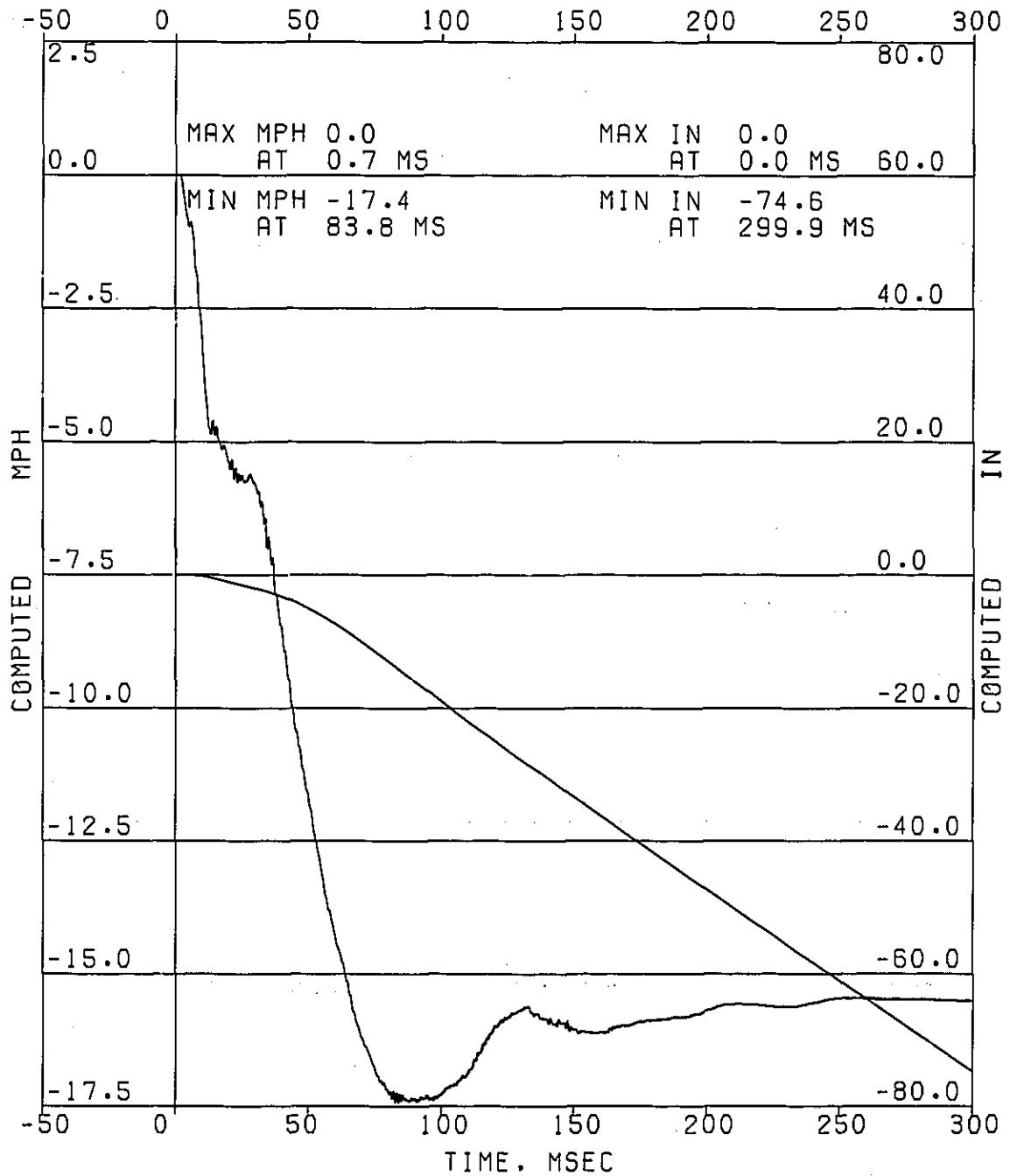


VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 001 LEFT FRONT SILL X 14275

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

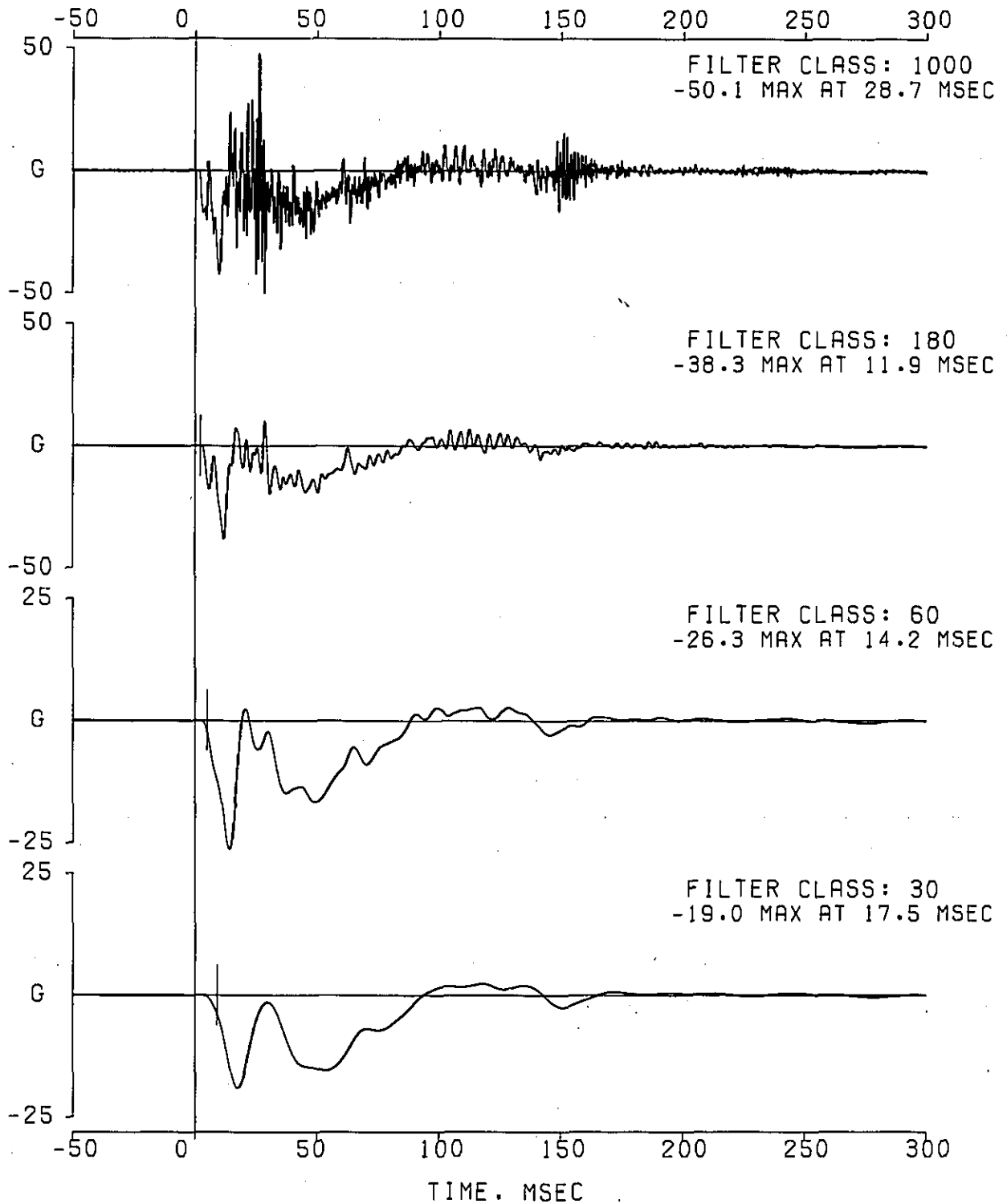
IMPACT ANALYSIS DEPT. 5320
 NOV 1.1994

DATA SET 10/21/94BF
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 002 RIGHT FRONT SILL X 311305
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1

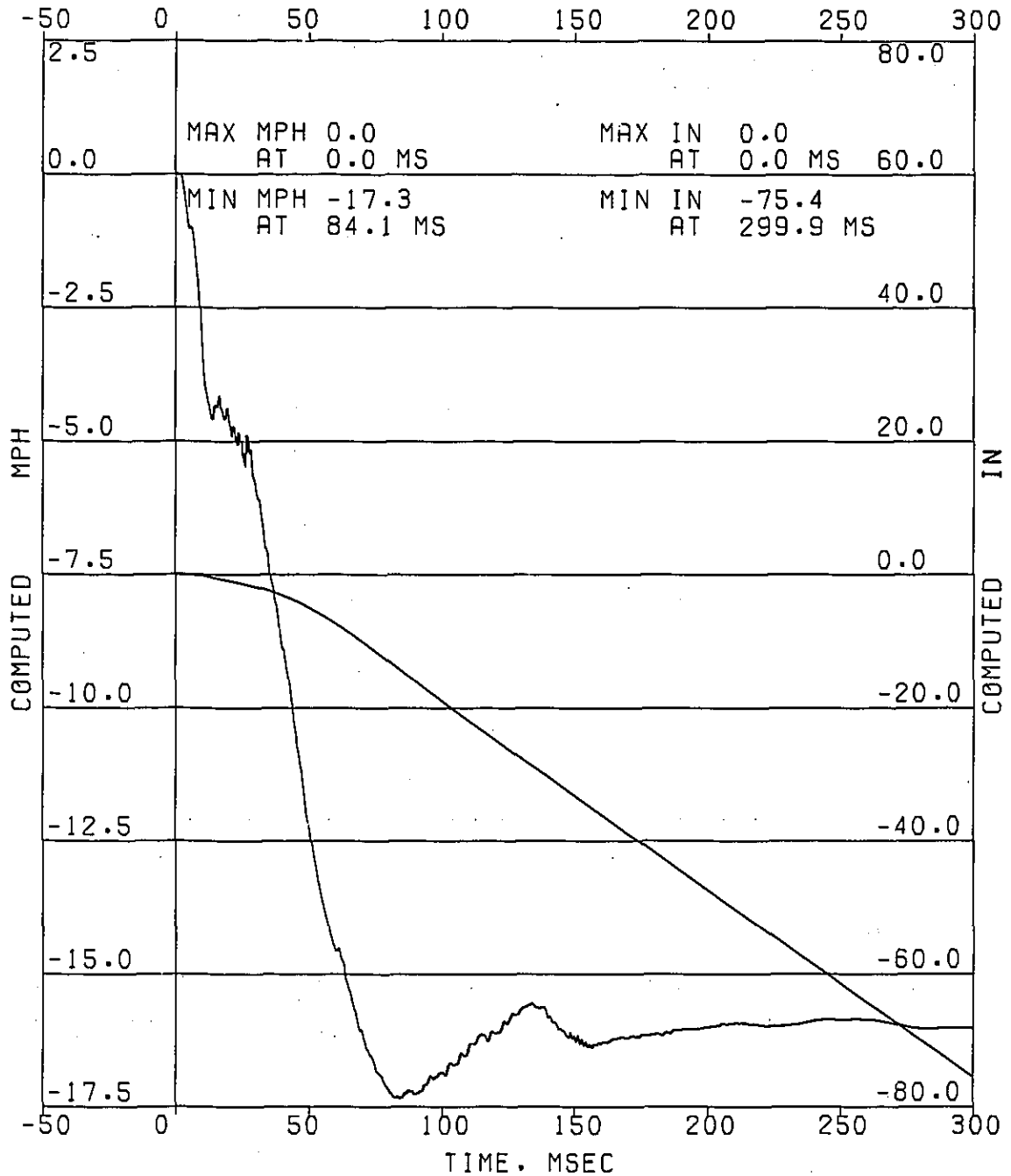


VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 002 RIGHT FRONT SILL X 311305

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

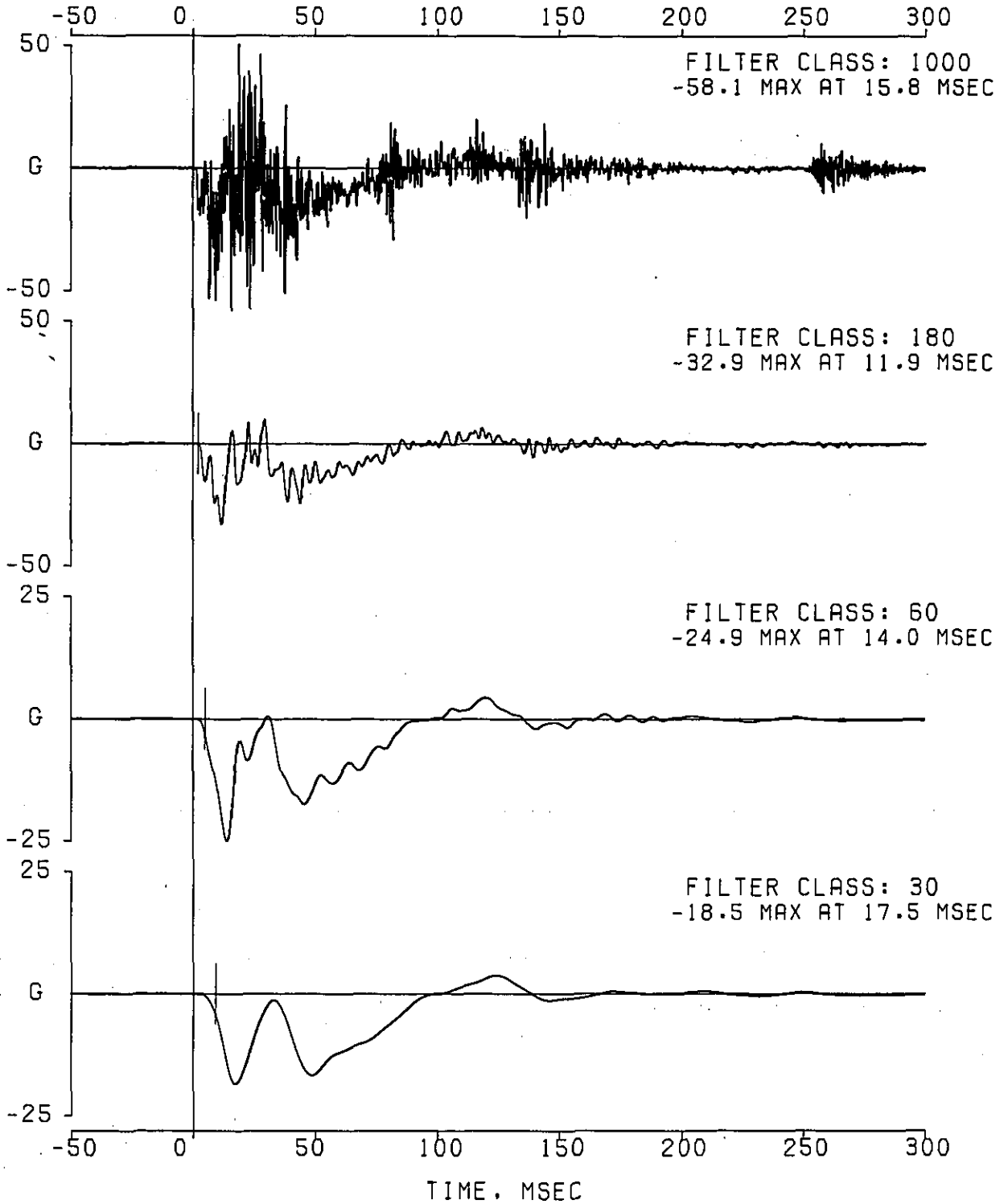
IMPACT ANALYSIS DEPT. 5320
 NOV 1.1994

DATA SET 10/21/94BF
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 003 LEFT REAR SILL X 14486
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1

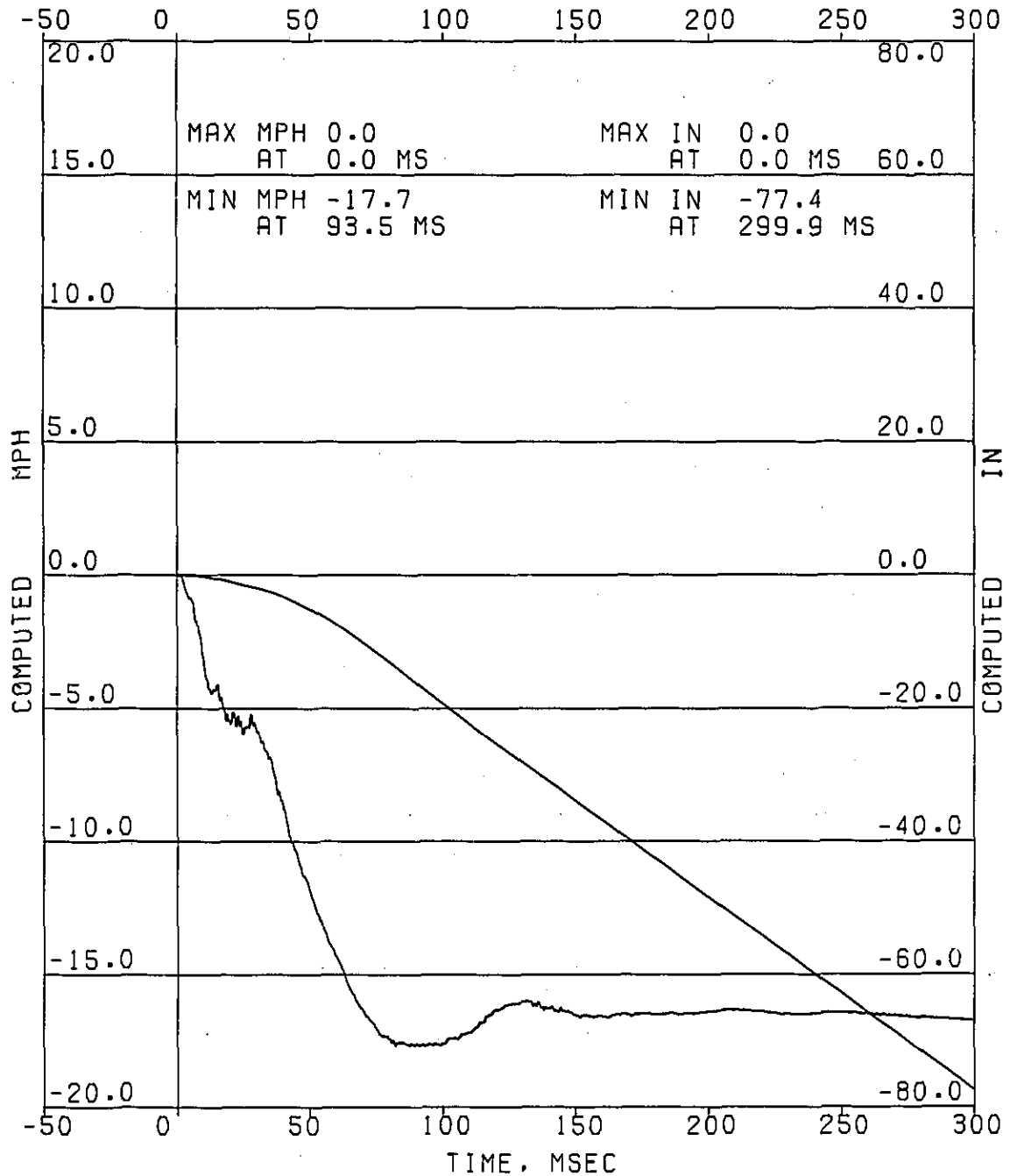


VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 003 LEFT REAR SILL X 14486

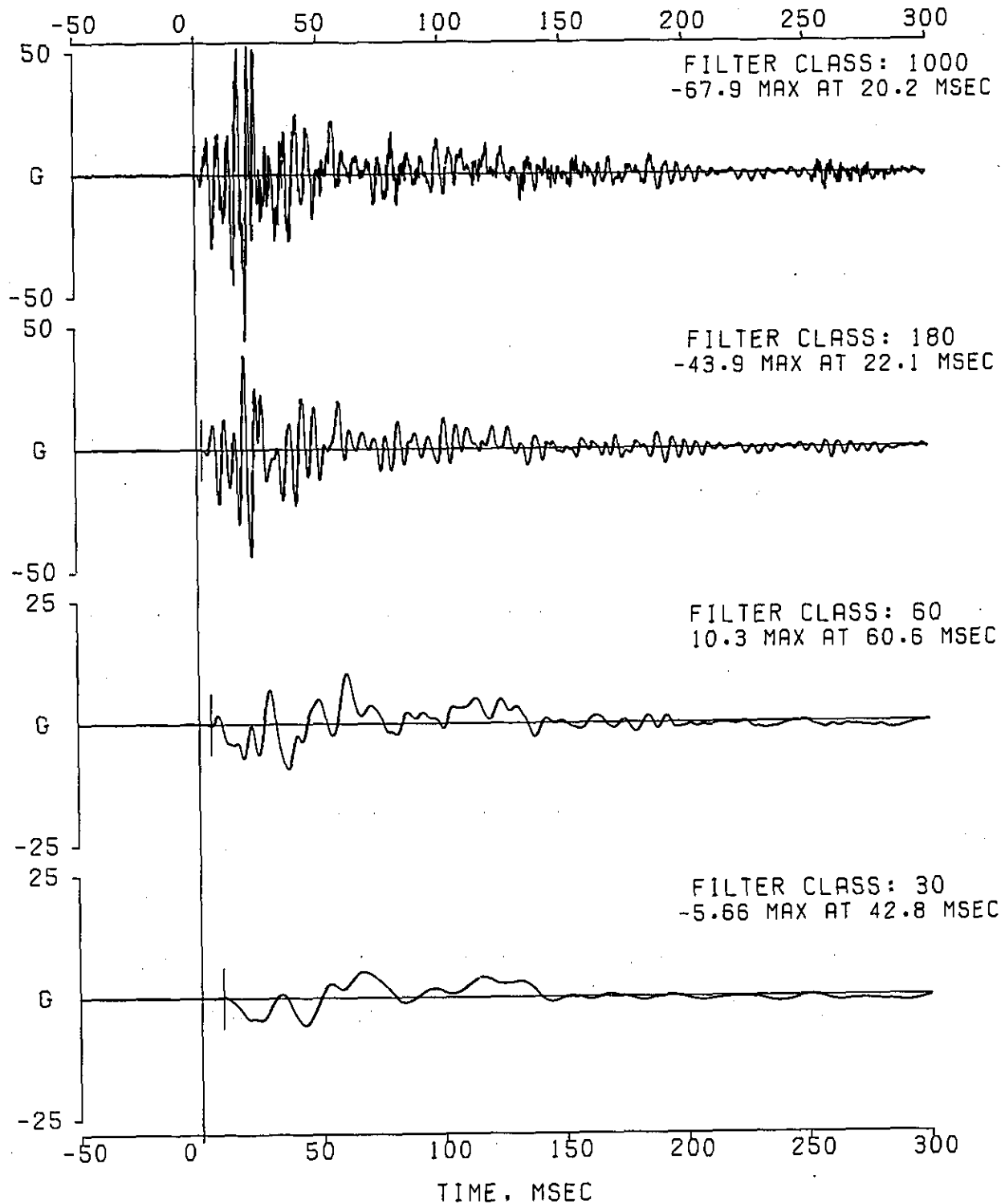
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 NOV 1.1994

DATA SET 10/21/94BF
 ERRATA 1



VC05282 30 MPH REAR BARRIER IMPACT. XJUL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 004 LEFT REAR SILL Z 9482
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1, 1994 ERRATA 1

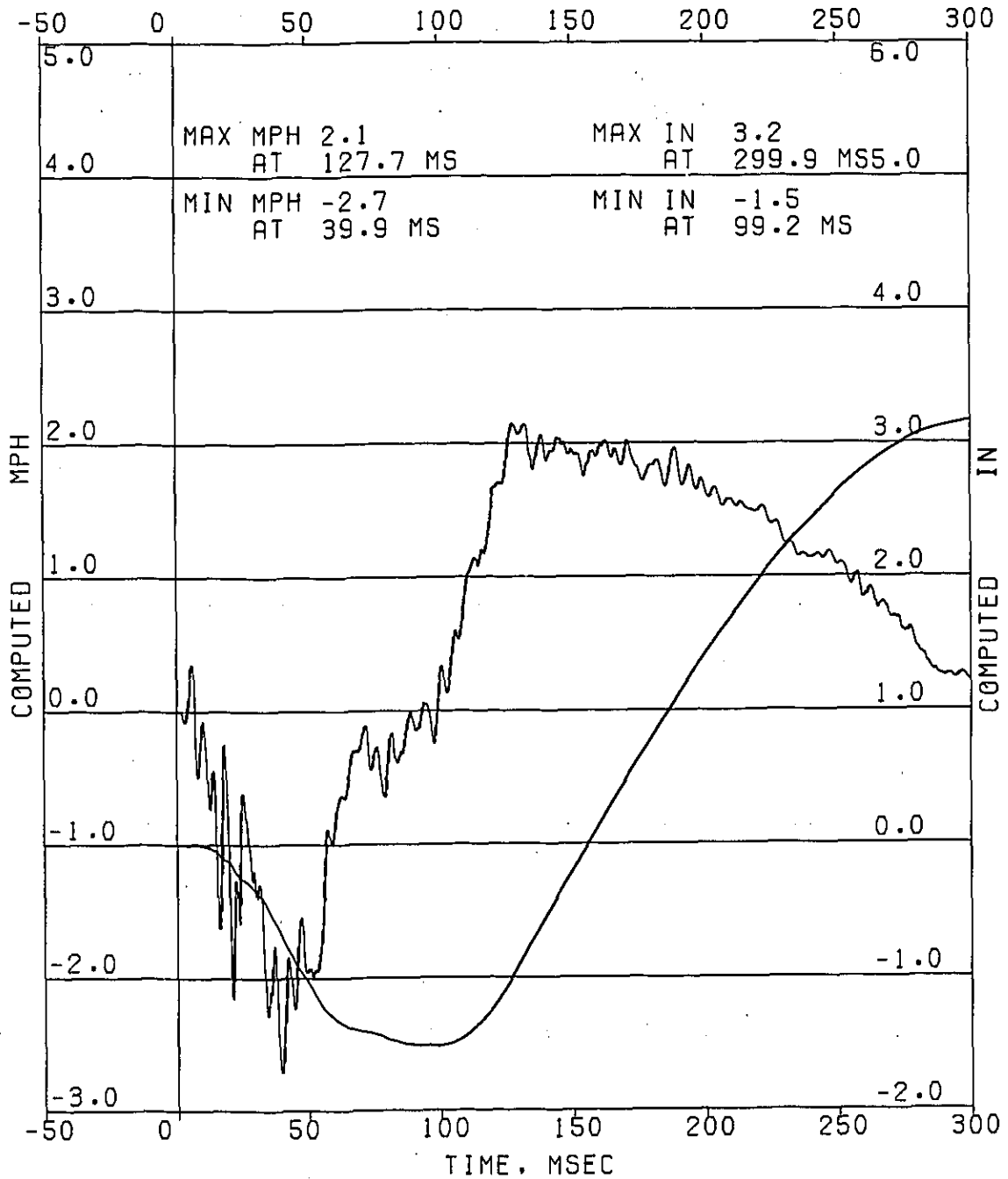


VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 004 LEFT REAR SILL Z 9482

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

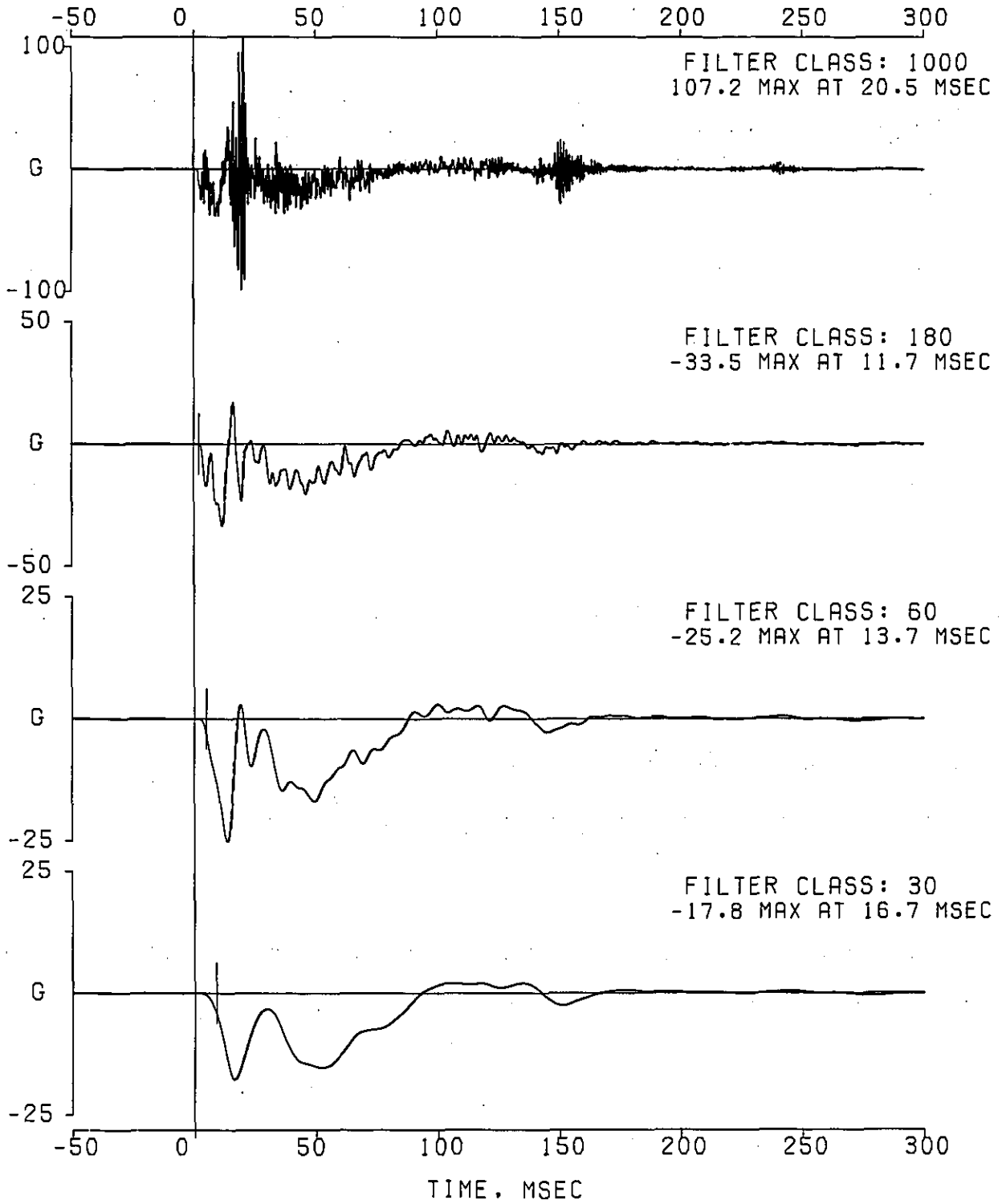
IMPACT ANALYSIS DEPT. 5320
NOV 1, 1994

DATA SET 10/21/94BF
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 005 RIGHT REAR SILL X 14370
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1

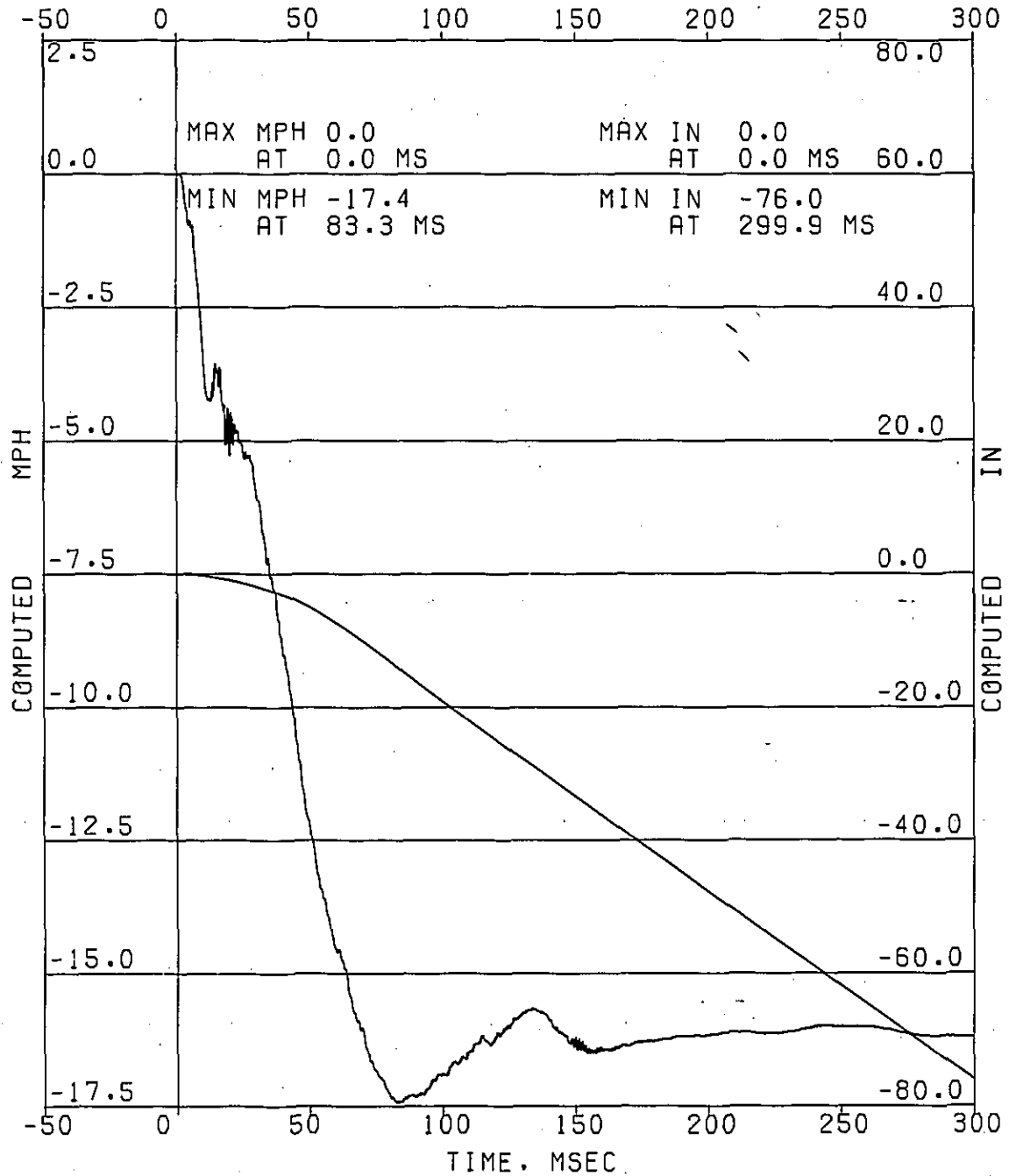


VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 005 RIGHT REAR SILL X 14370

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

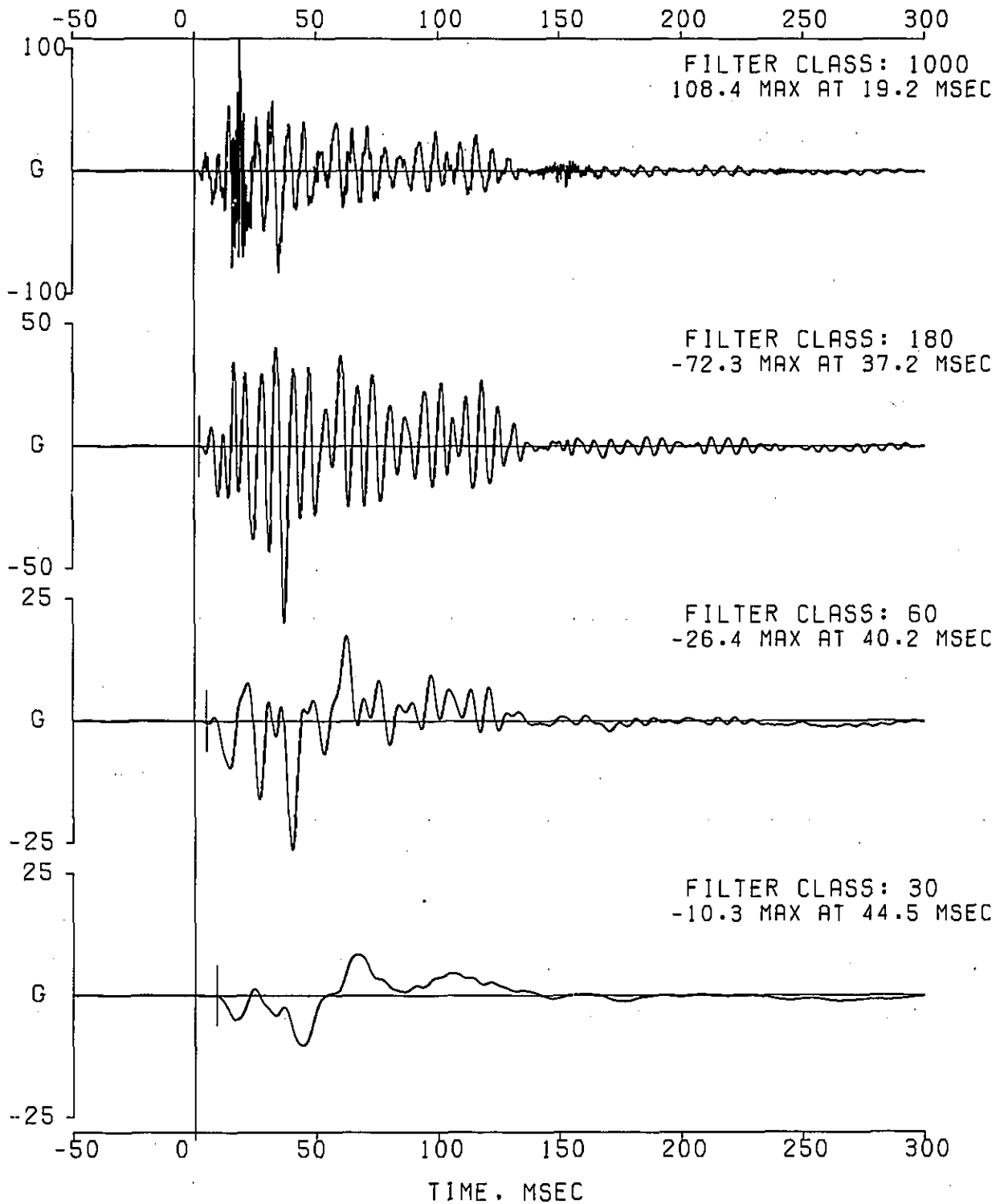
IMPACT ANALYSIS DEPT. 5320
 NOV 1, 1994

DATA SET 10/21/94BF
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT, XJJL72, 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 006 RIGHT REAR SILL Z 311296
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1,1994 ERRATA 1

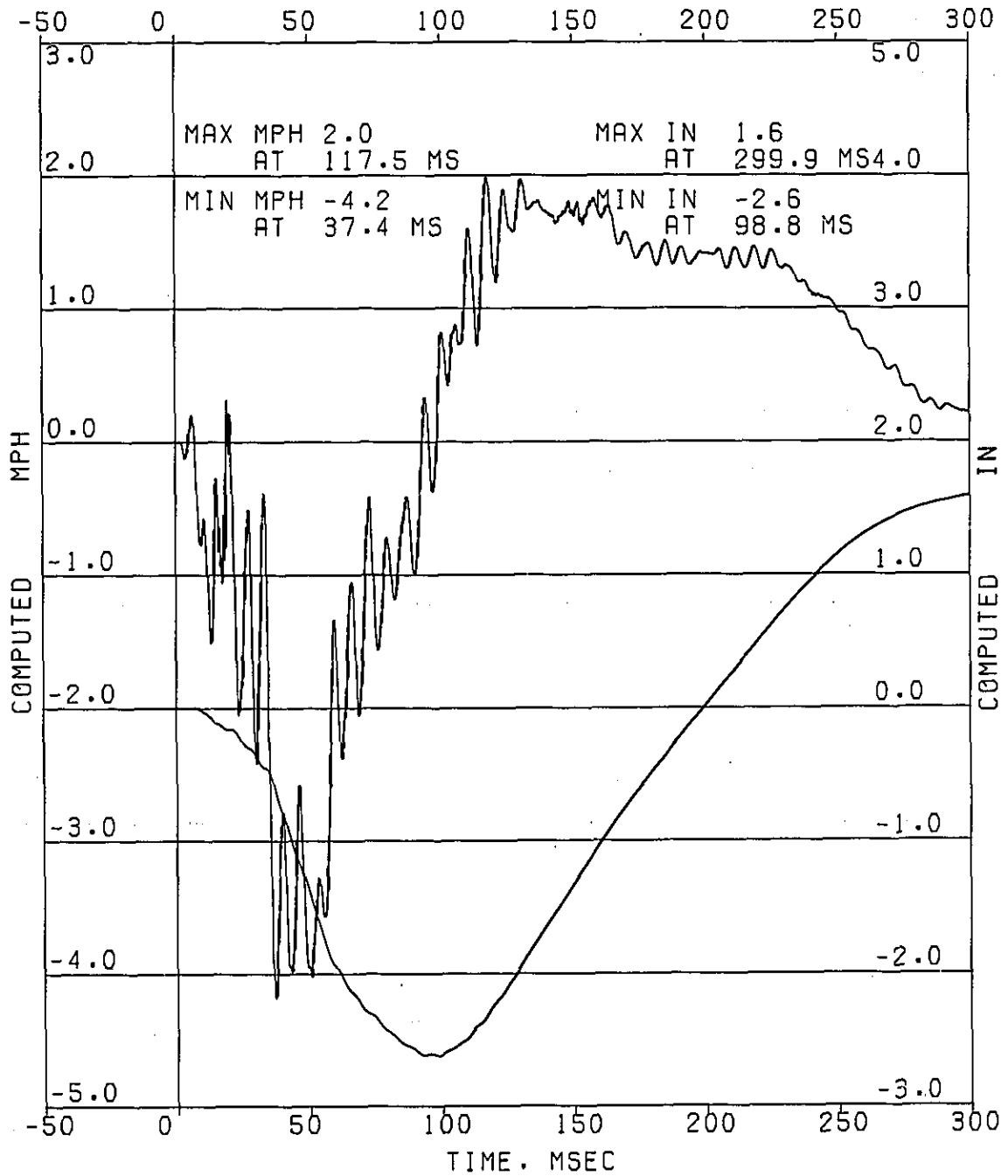


VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 006 RIGHT REAR SILL Z 311296

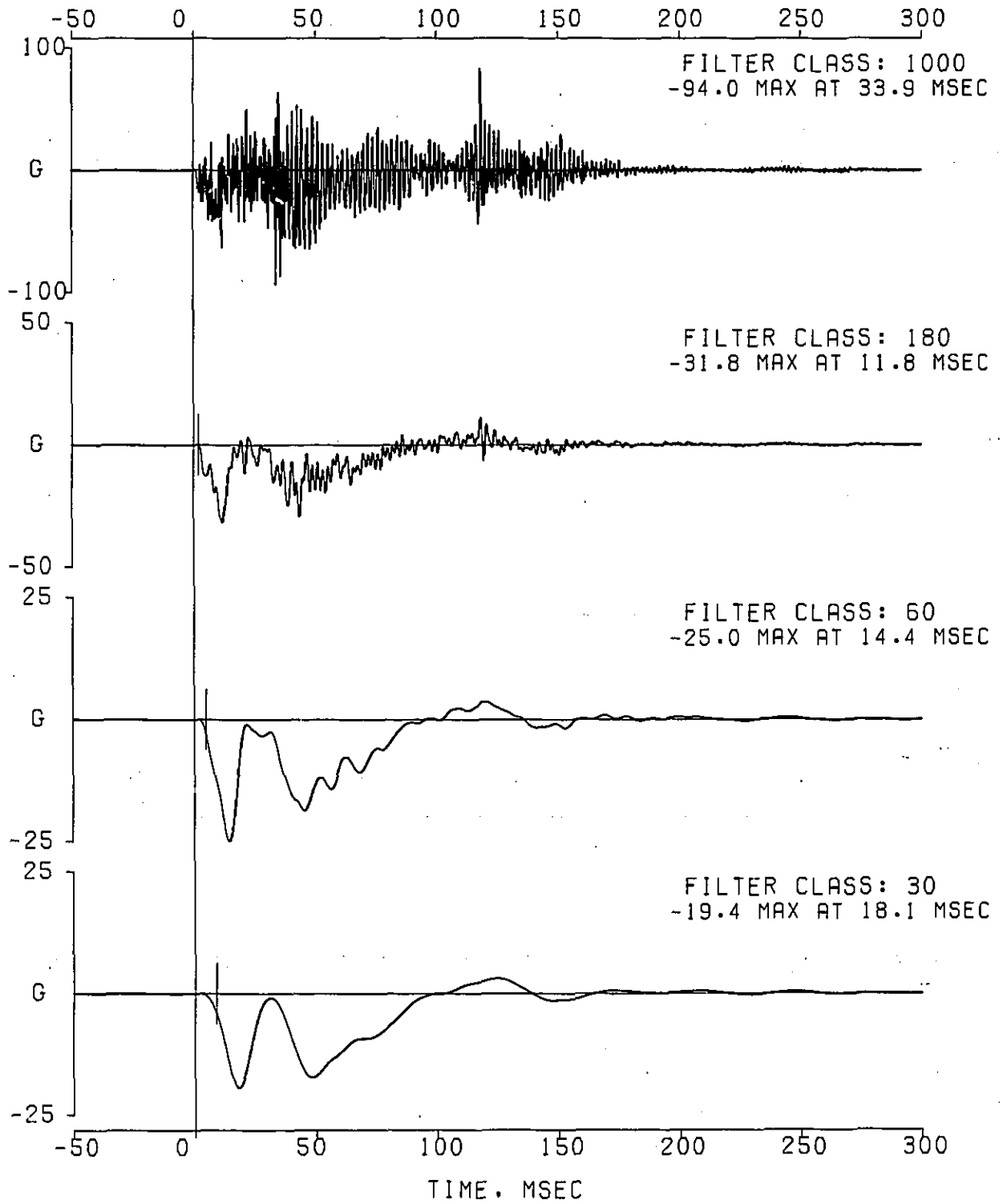
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
NOV 1.1994

DATA SET 10/21/94BF
ERRATA 1



VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 007 LT RAIL TRAIL ARM PIV X 510101
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1

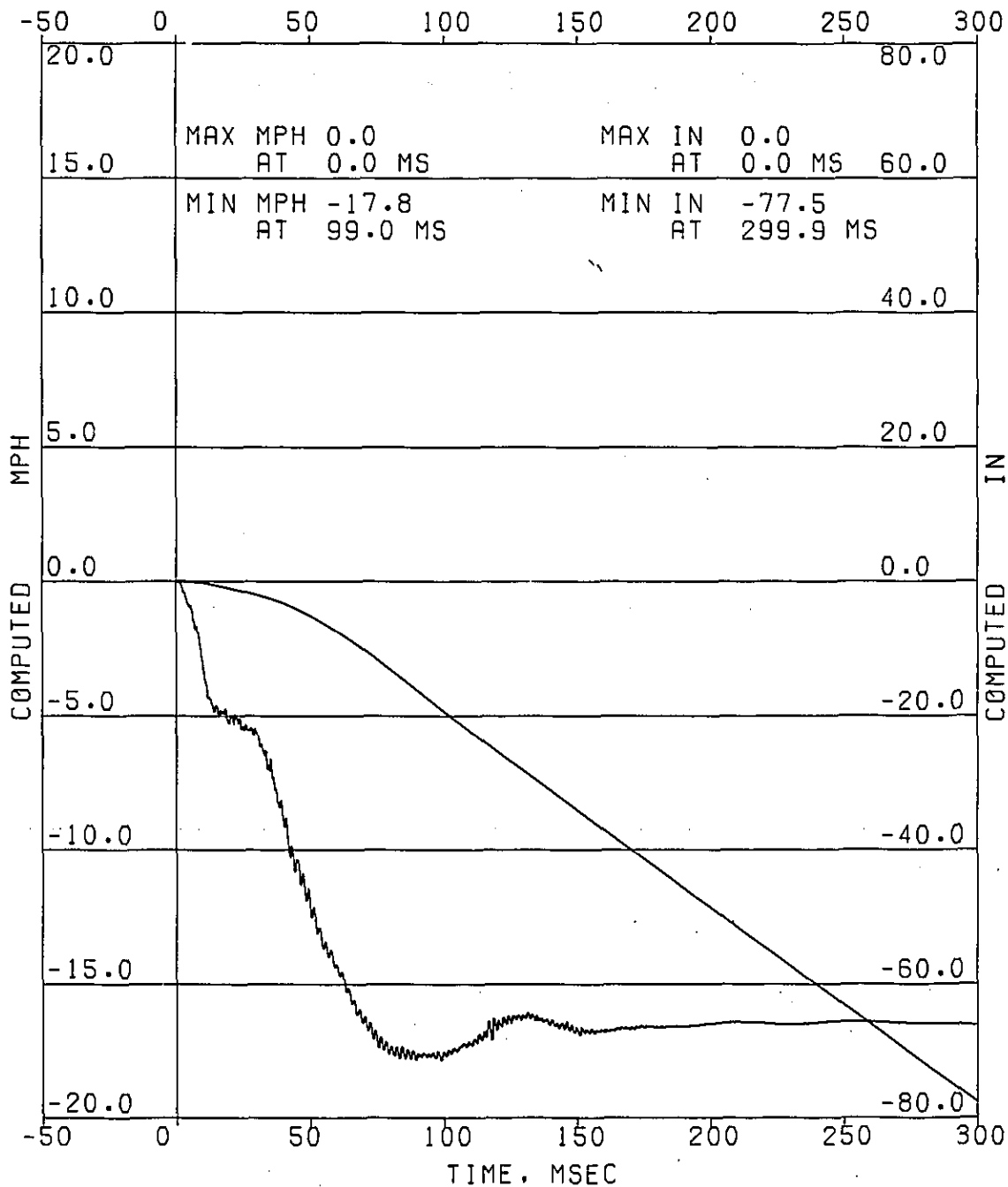


VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 007 LT RAIL TRAIL ARM PIV X 510101

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

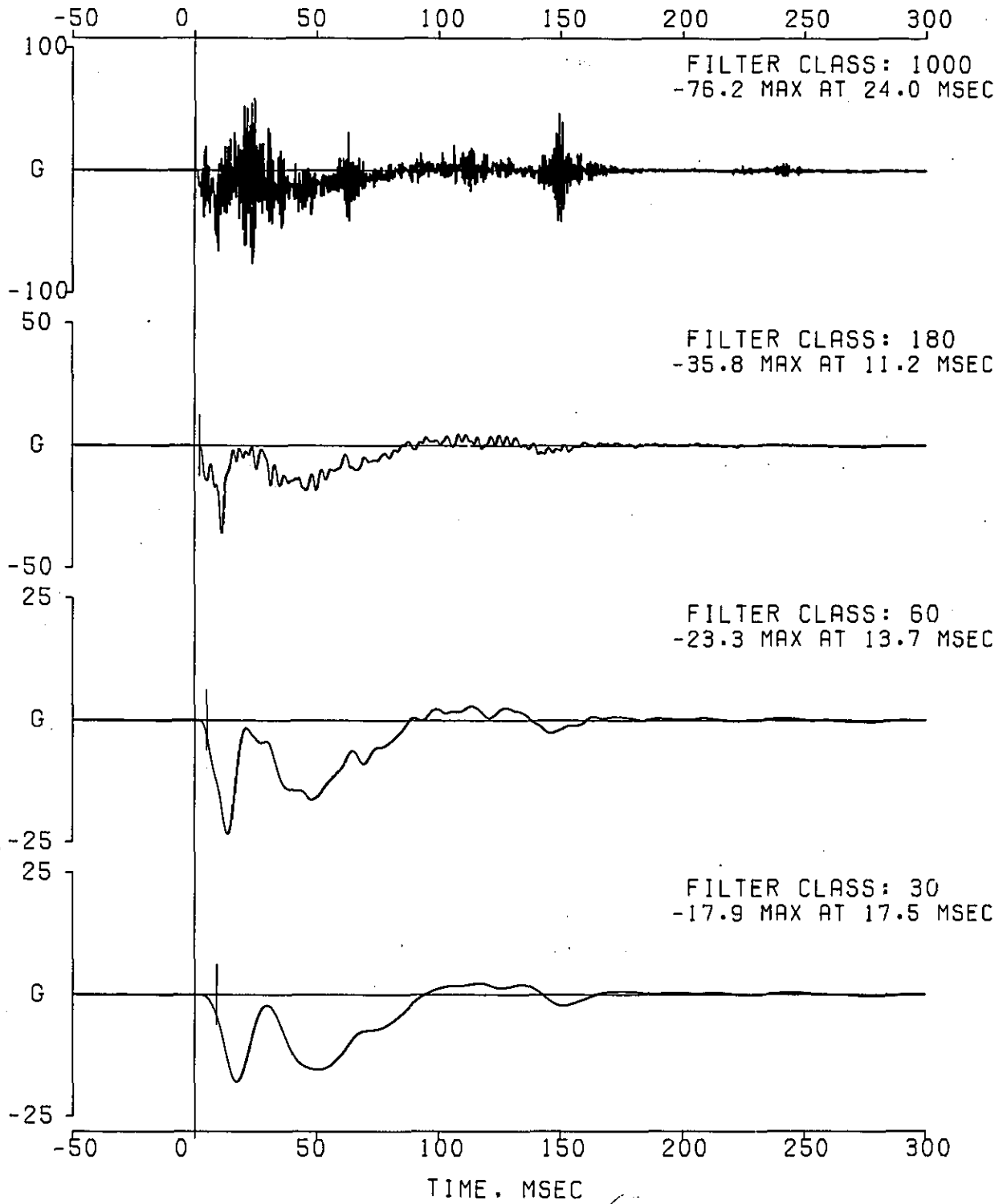
IMPACT ANALYSIS DEPT. 5320
 NOV 1.1994

DATA SET 10/21/94BF
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT. XJL72, 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 008 RT RAIL TRAIL ARM PIV X 510092
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1

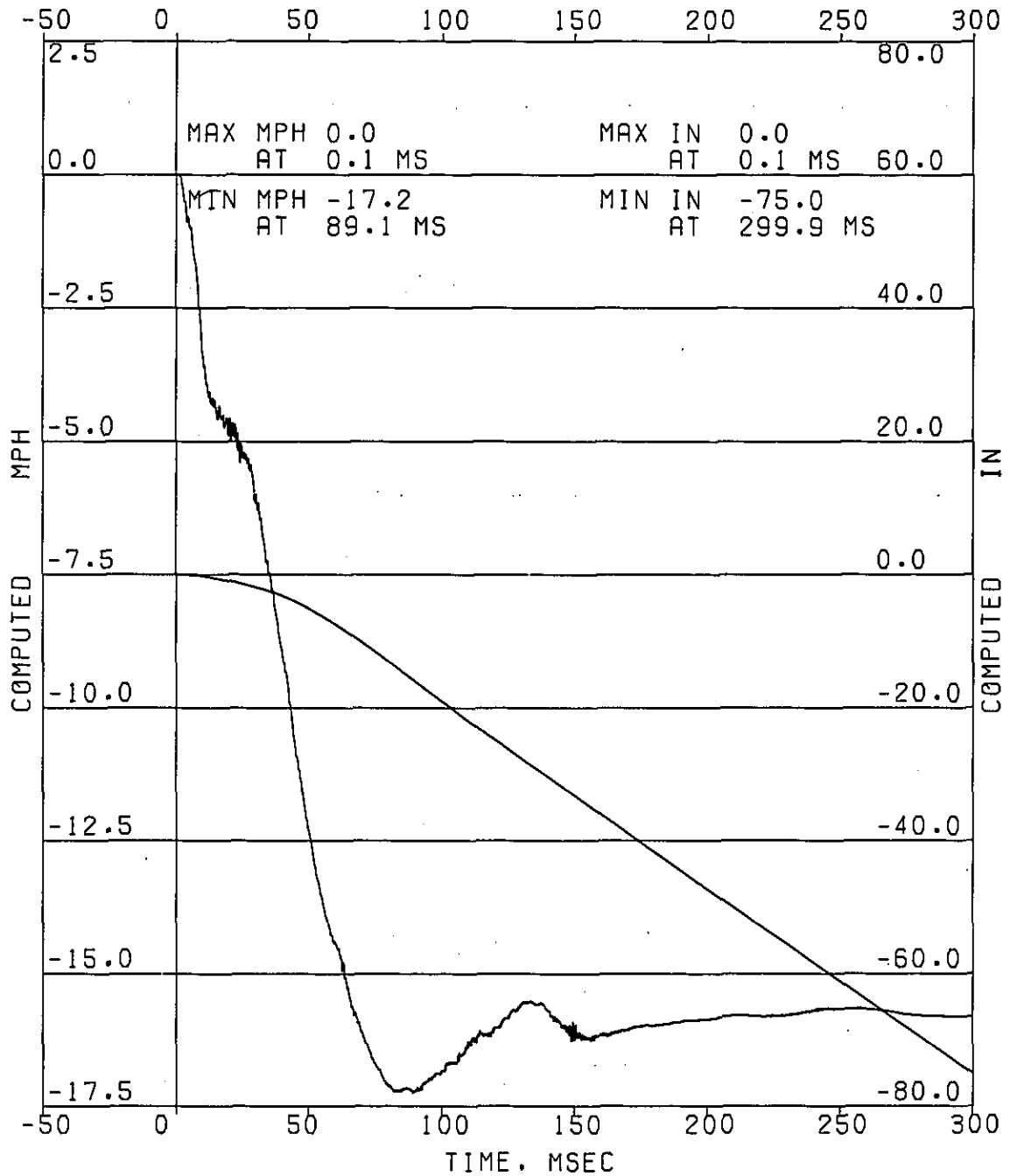


VC05282 30 MPH REAR BARRIER IMPACT. XJL72, 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 008 RT RAIL TRAIL ARM PIV X 510092

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

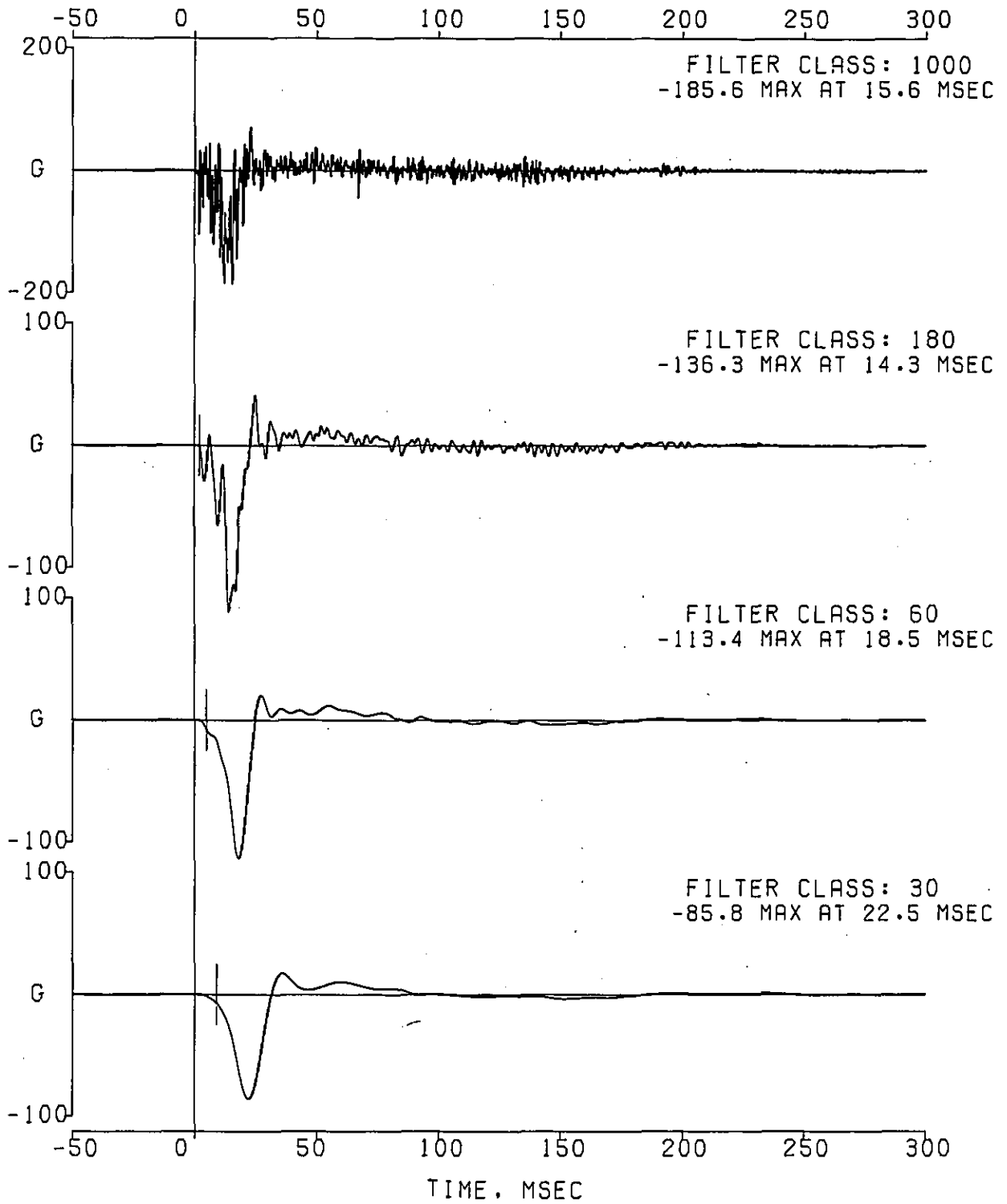
IMPACT ANALYSIS DEPT. 5320
 NOV 1.1994

DATA SET 10/21/94BF
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 009 LT REAR RAIL MID TANK X 14441
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1

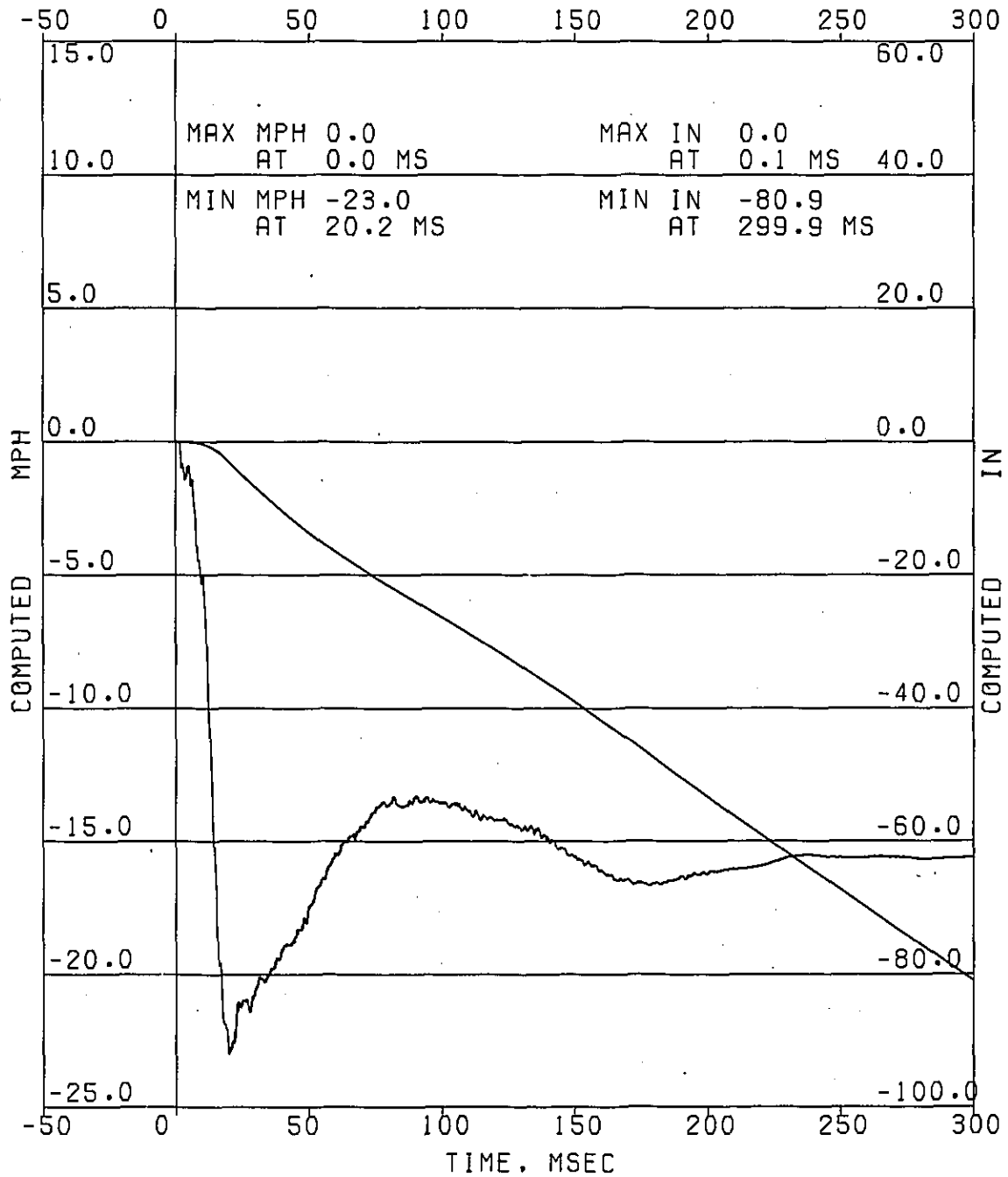


VC05282 30 MPH REAR BARRIER IMPACT, XJL72. 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 009 LT REAR RAIL MID TANK X 14441

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

IMPACT ANALYSIS DEPT. 5320
 NOV 1.1994

DATA SET 10/21/94BF
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.

CHANNEL 010 LT REAR RAIL MID TANK Z 80453

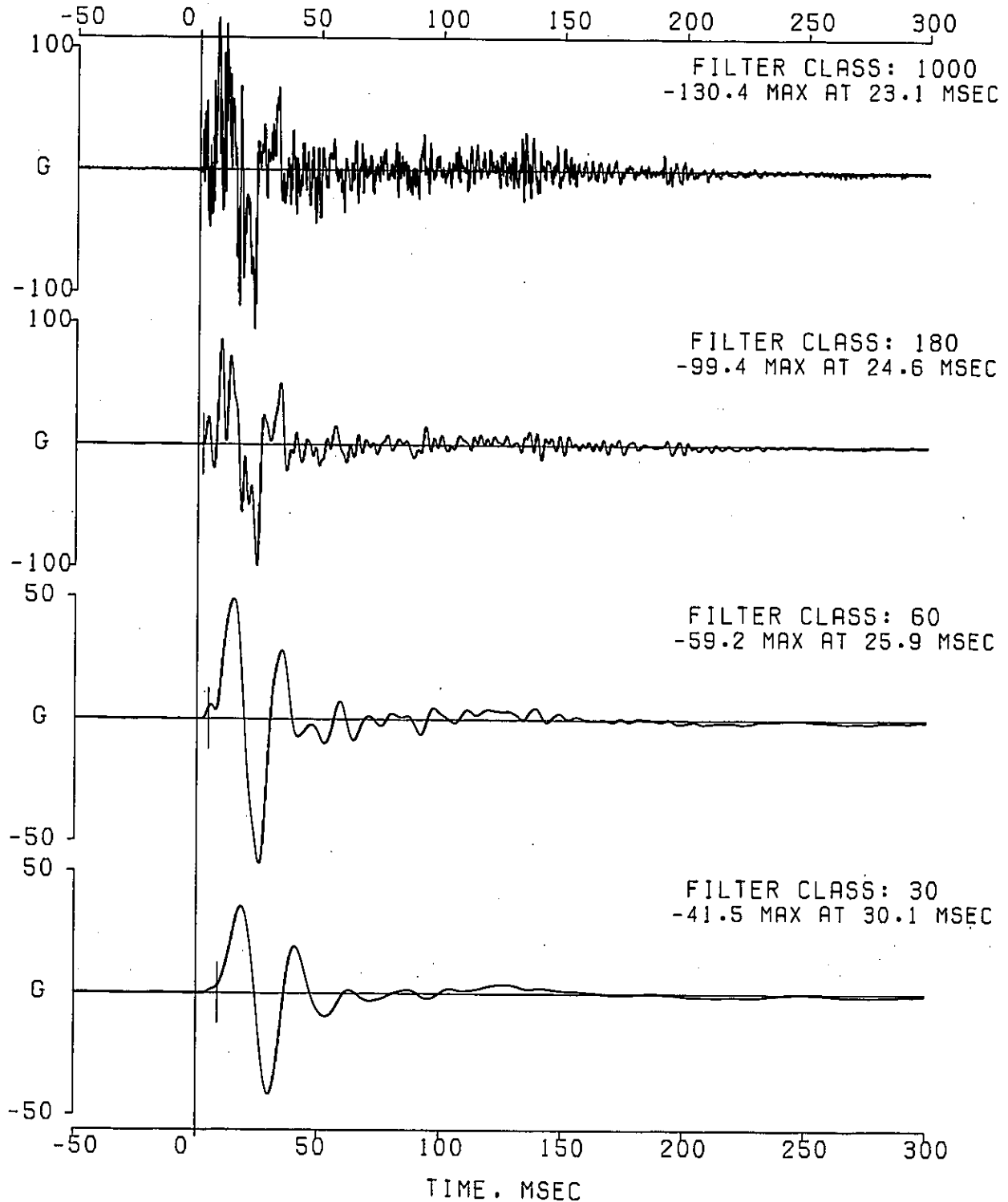
FILTER TYPE: QBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 10/21/94BF

NOV 1.1994

ERRATA 1

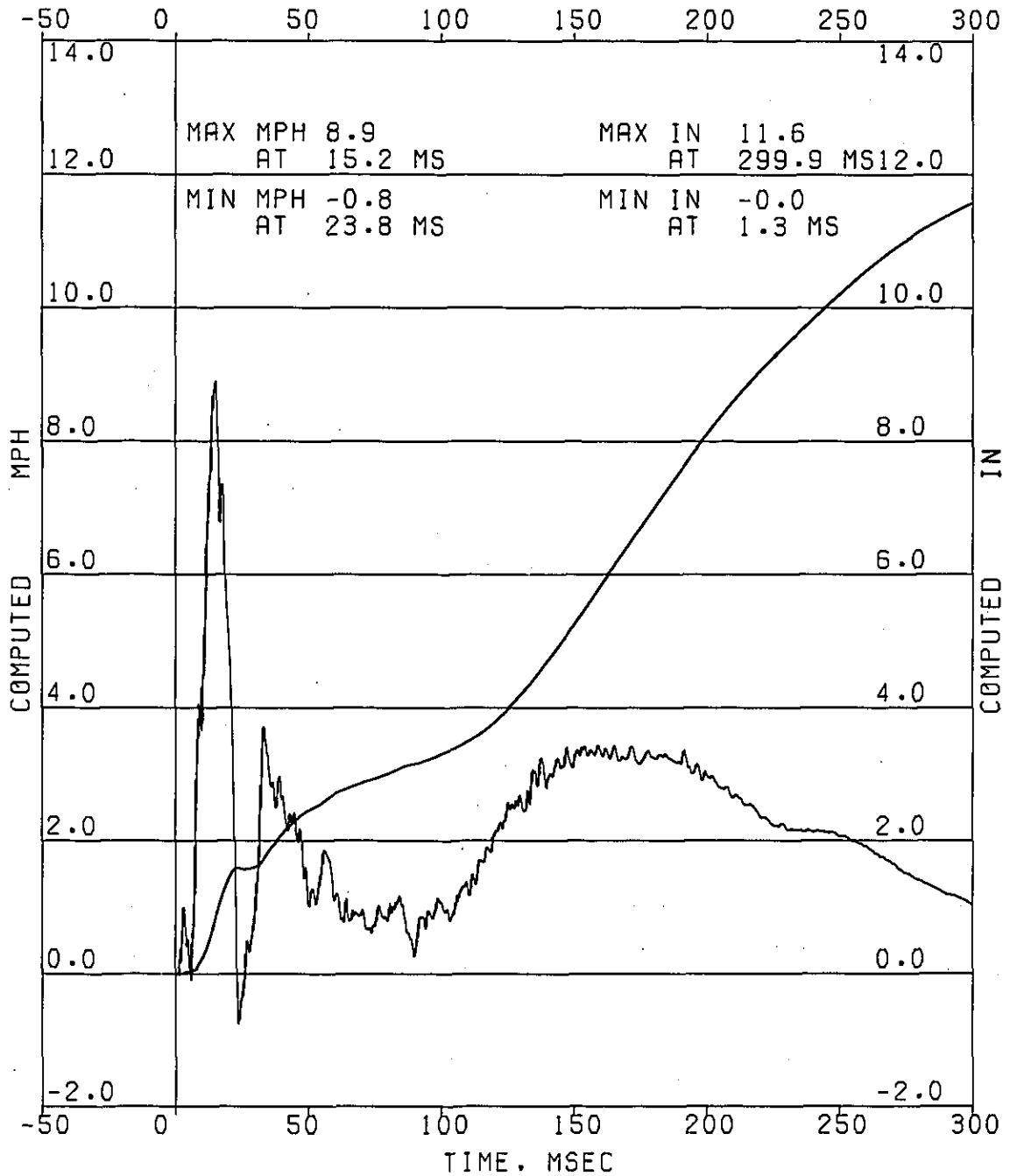


VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 010 LT REAR RAIL MID TANK Z 80453

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

IMPACT ANALYSIS DEPT. 5320
NOV 1.1994

DATA SET 10/21/94BF
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.

CHANNEL 011 RT REAR RAIL MID TANK X 14337

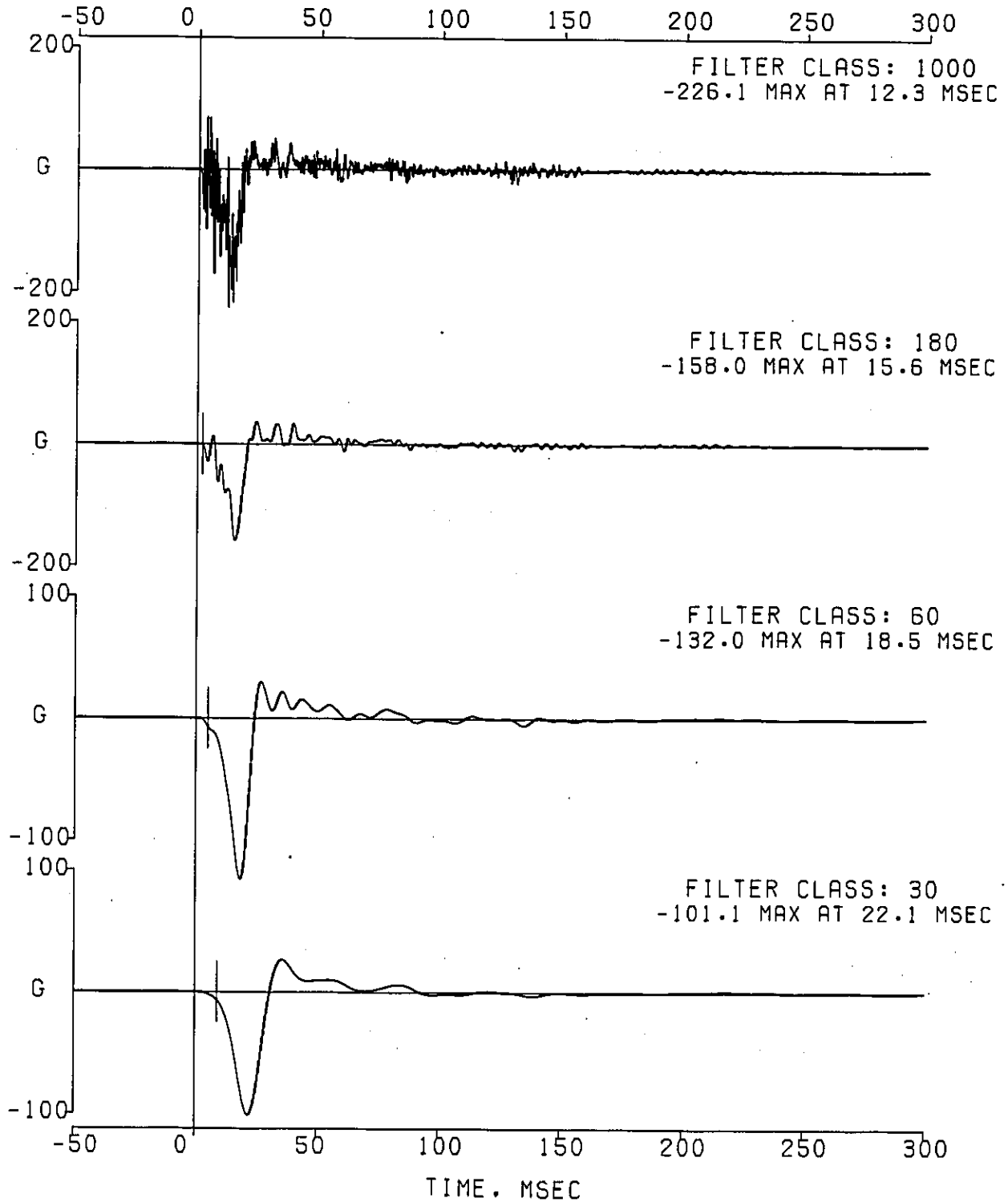
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 10/21/94BF

NOV 1.1994

ERRATA 1

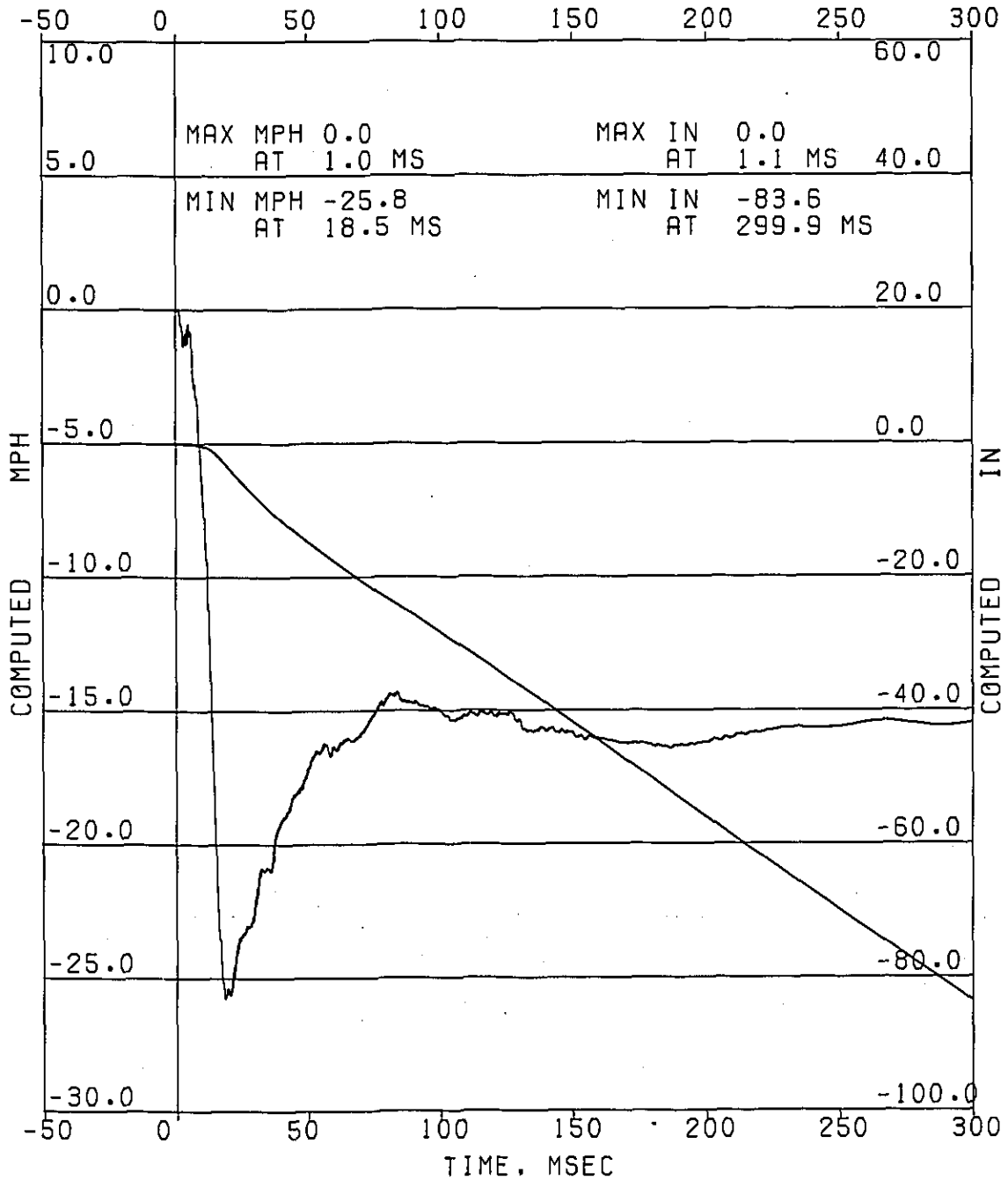


VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 011 RT REAR RAIL MID TANK X 14337

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

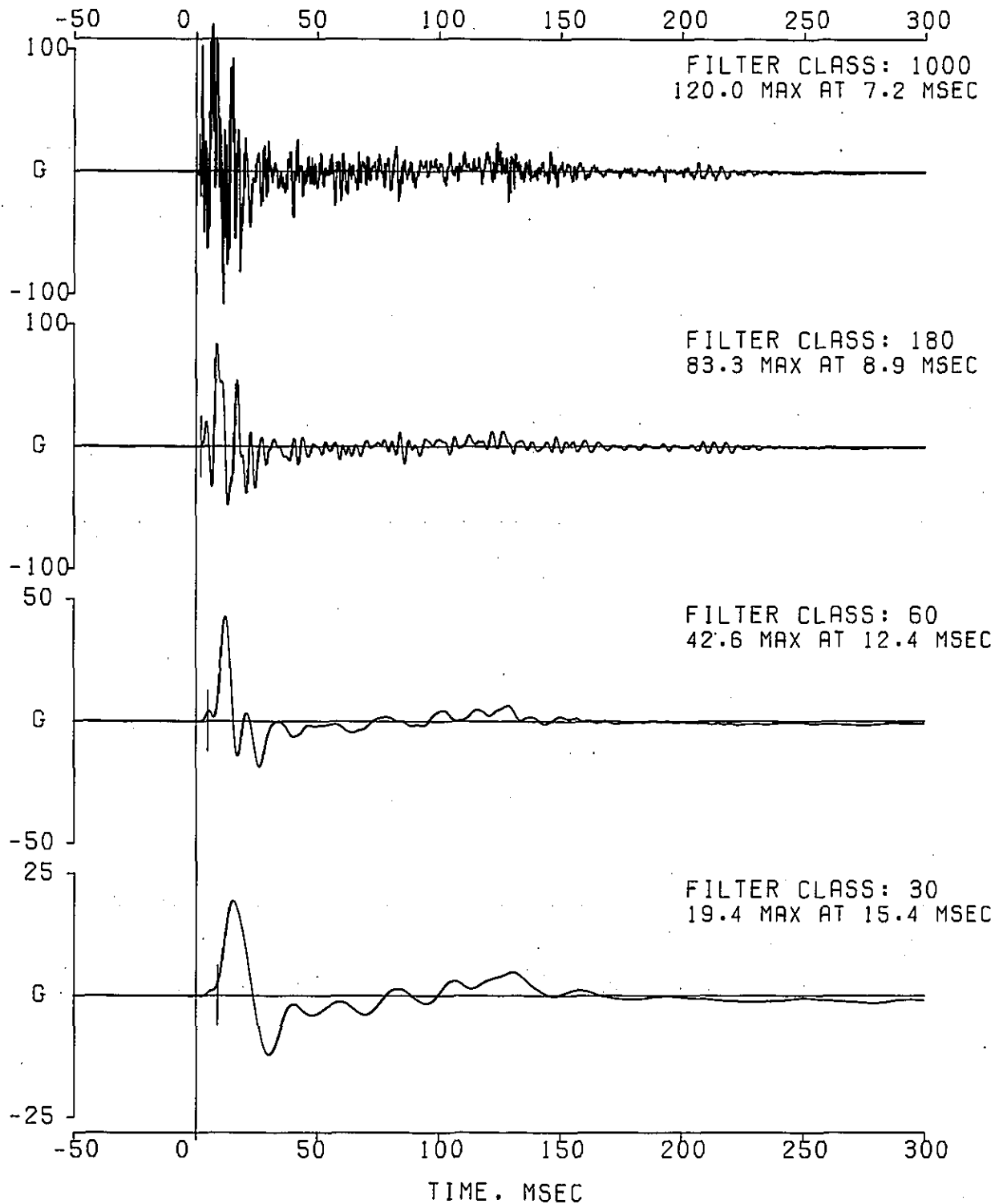
IMPACT ANALYSIS DEPT. 5320
NOV 1.1994

DATA SET 10/21/94BF
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 012 RT REAR RAIL MID TANK Z 114527
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1

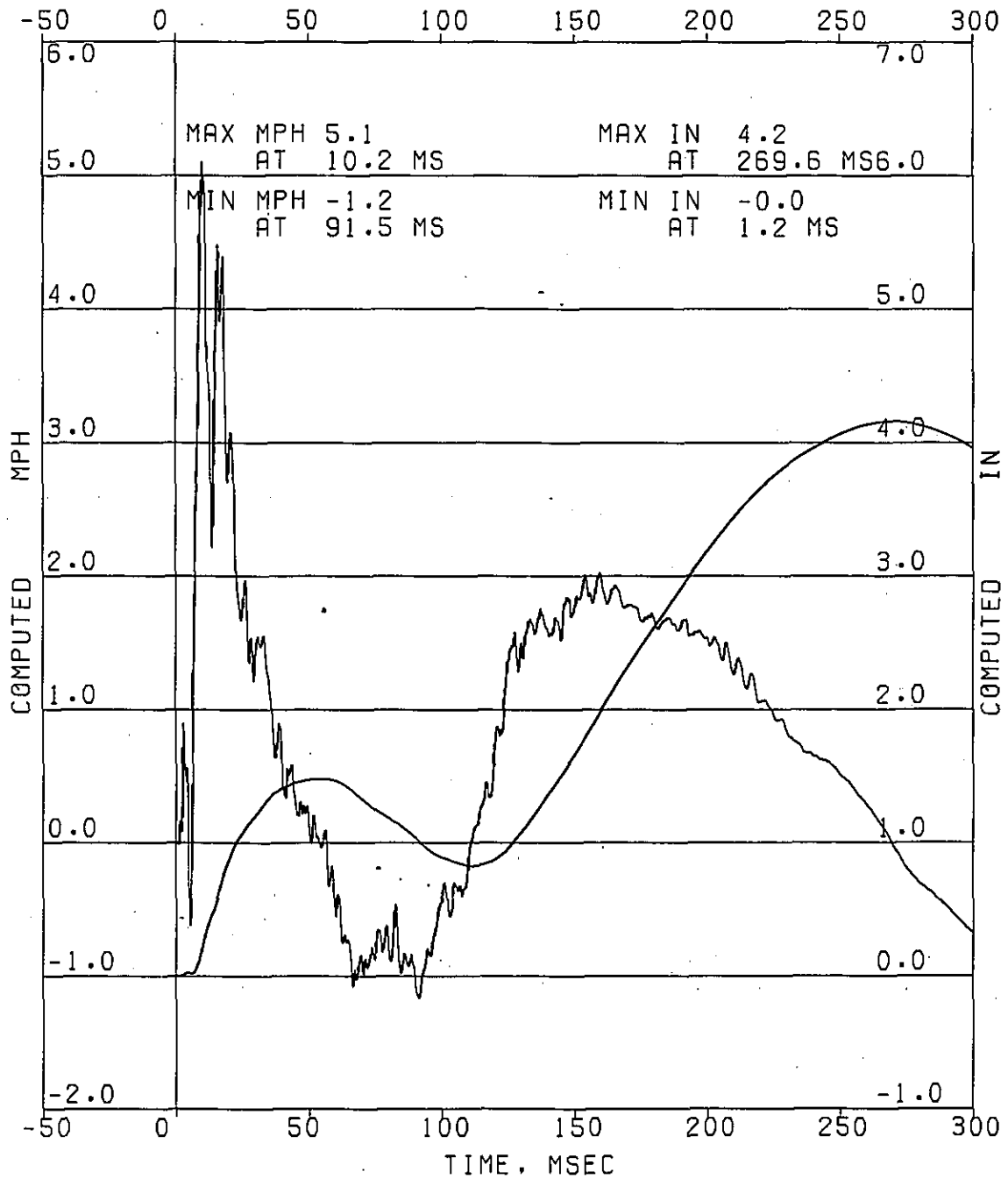


VC05282 30 MPH REAR BARRIER IMPACT. XJUL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 012 RT REAR RAIL MID TANK Z 114527

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

IMPACT ANALYSIS DEPT. 5320
NOV 1.1994

DATA SET 10/21/94BF
ERRATA 1

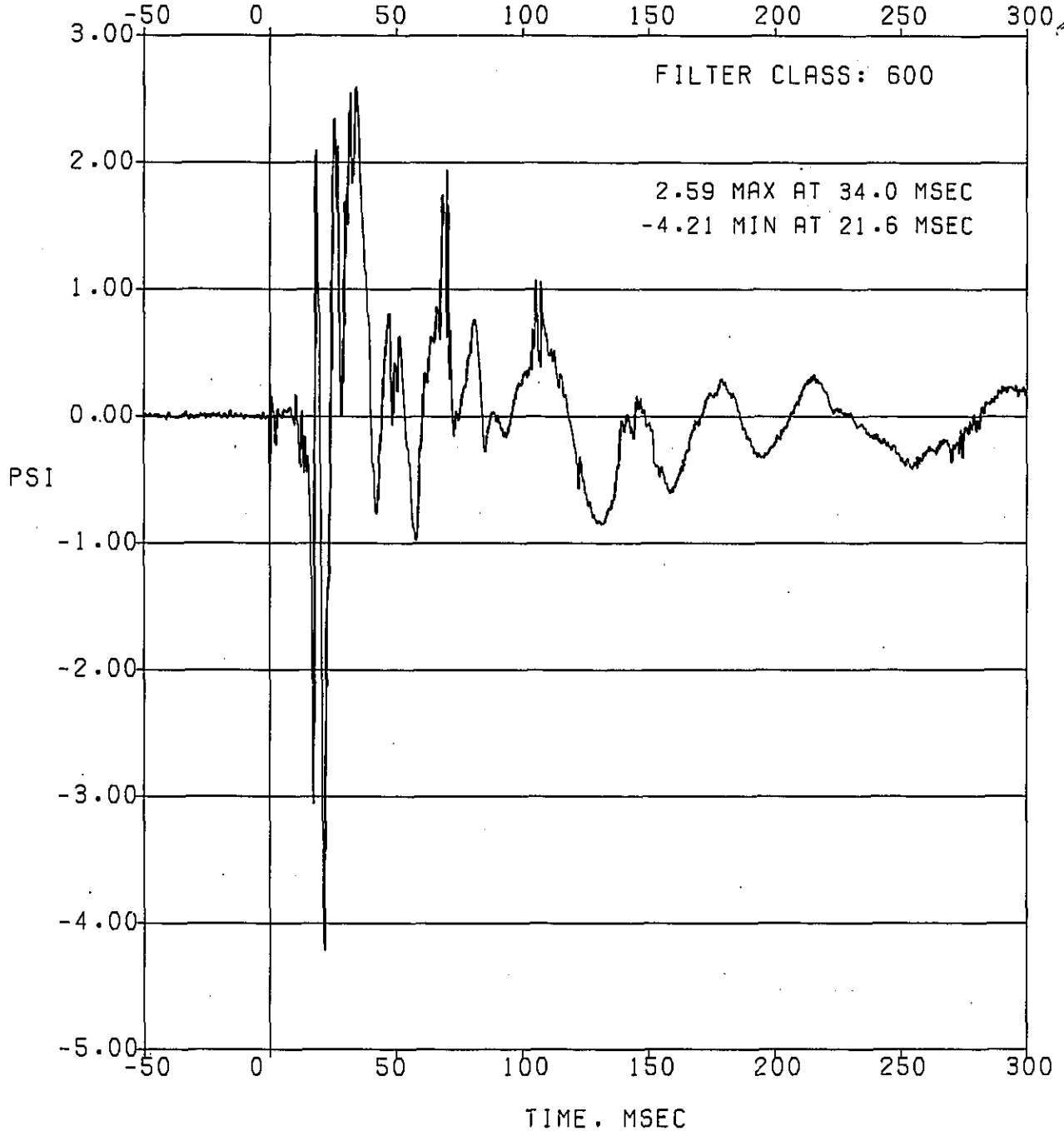


COMPUTED MPH
COMPUTED IN

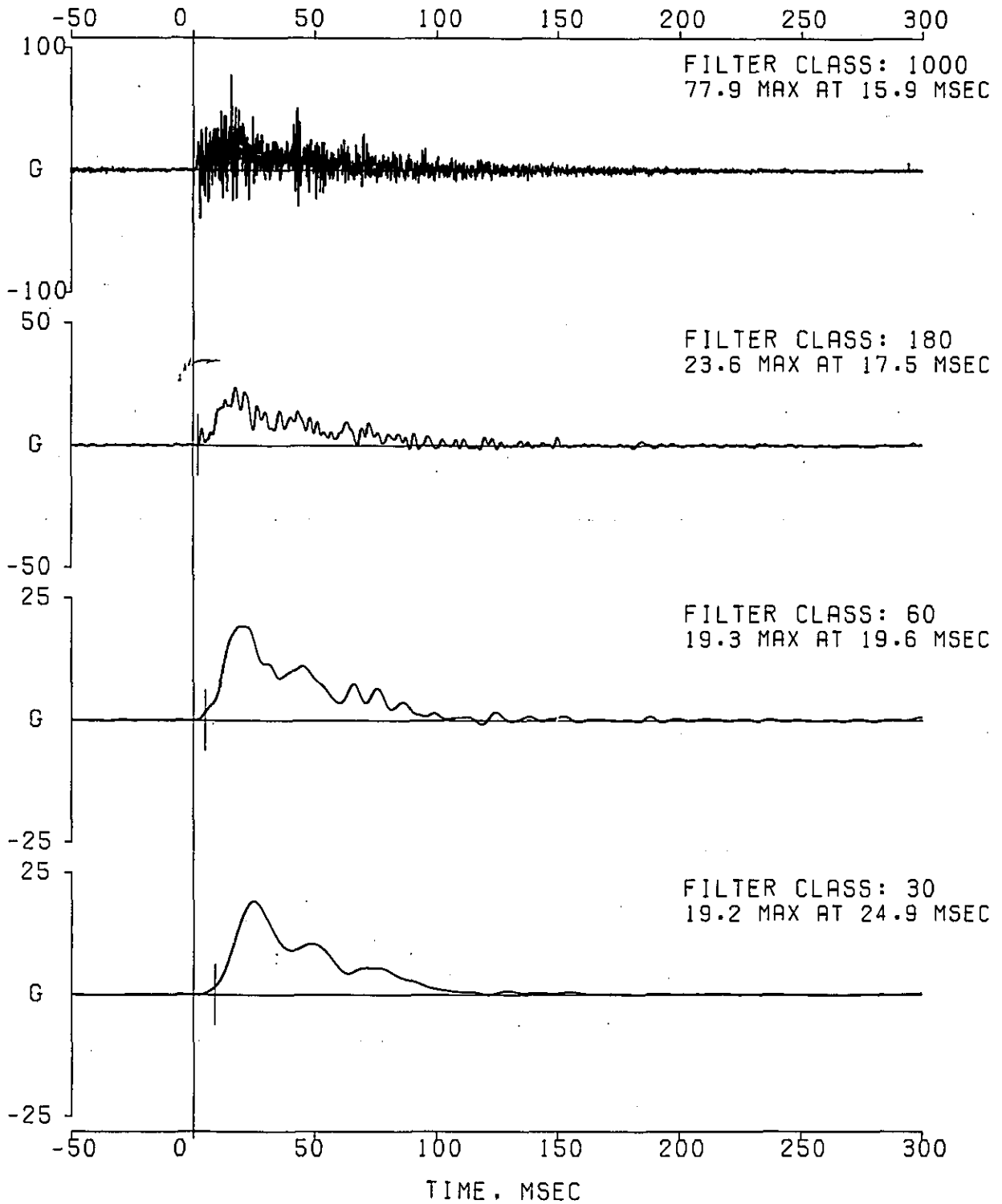
VC05282 30 MPH REAR BARRIER IMPACT. XJL72. 4.0L. ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.

CHANNEL 013 FUEL FILLER LINE PRESS 39984 P

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 600 FILTER(1000)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1



VC05282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L, ITEM XJ6588
1997 MVSS 301 DEVELOPMENT.
CHANNEL 014 LT RAIL MBAR MID X 14515
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 10/21/94BF
NOV 1.1994 ERRATA 1

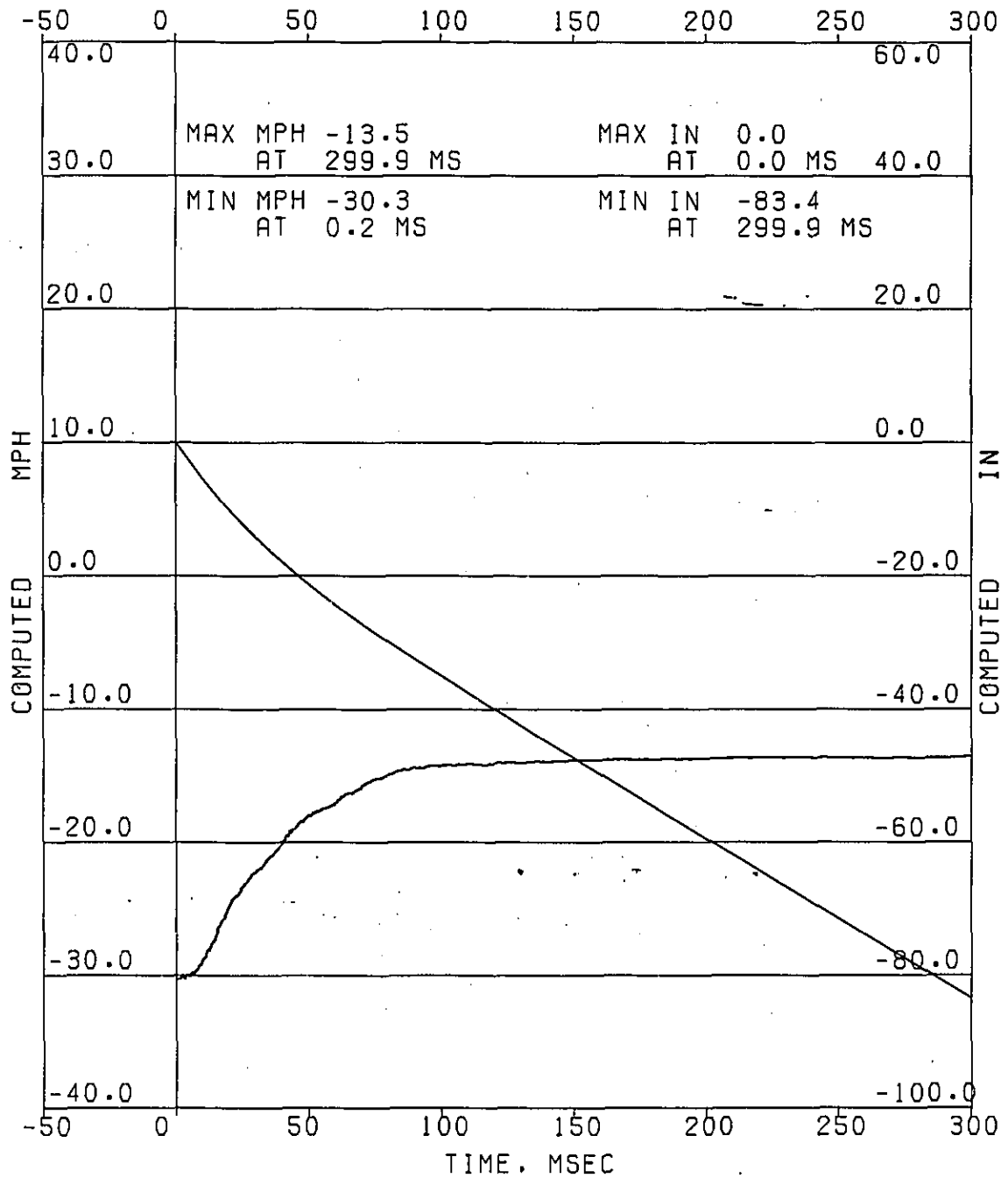


VC05282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L: ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 014 LT RAIL MBAR MID X 14515

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

IMPACT ANALYSIS DEPT. 5320
 NOV 1, 1994

DATA SET 10/21/94BF
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

VC05282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L. ITEM XJ6588
1997 MVSS_301 DEVELOPMENT.

CHANNEL 015 RT RAIL MBAR MID X 97860

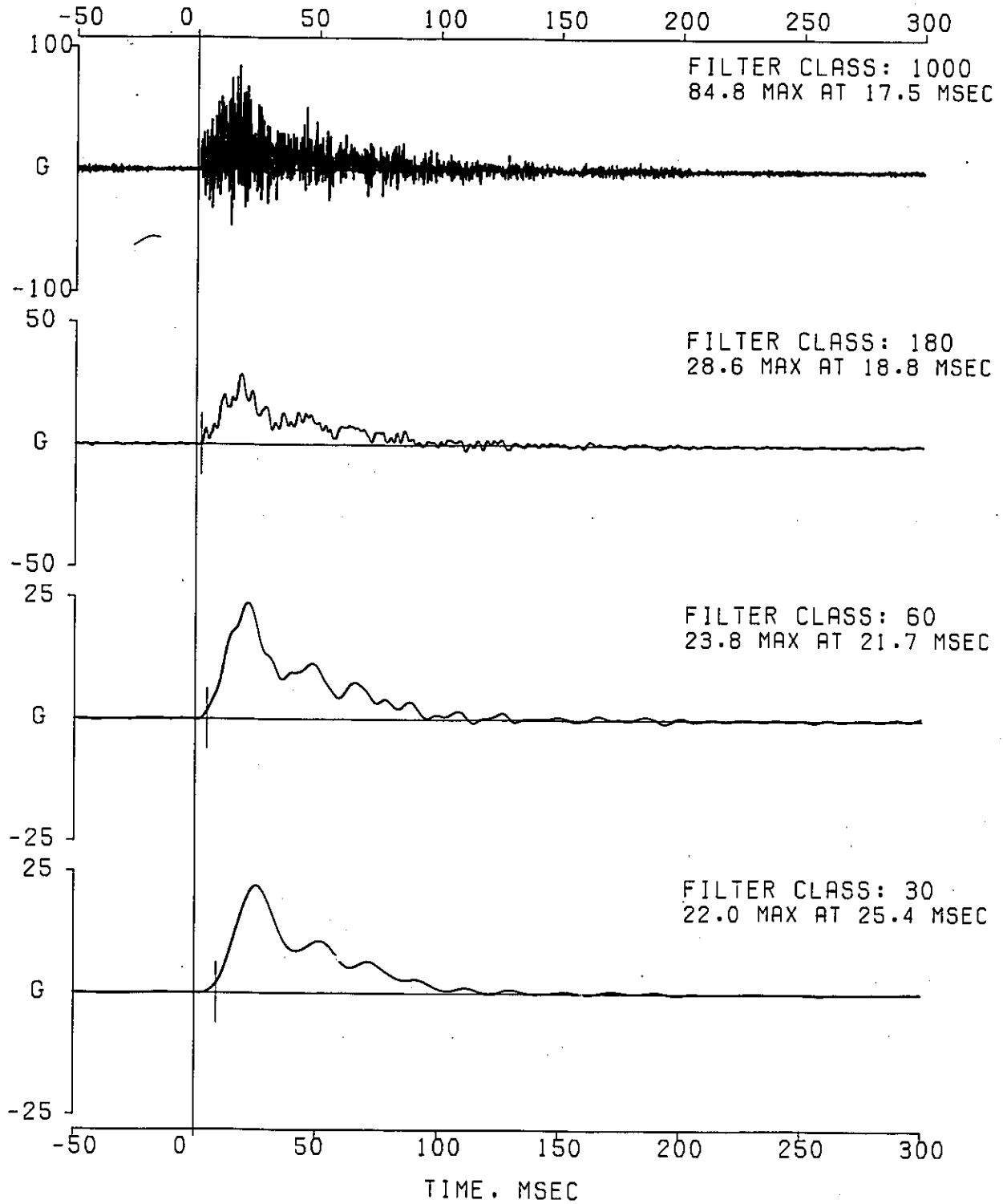
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 10/21/94BF

NOV 1.1994

ERRATA 1

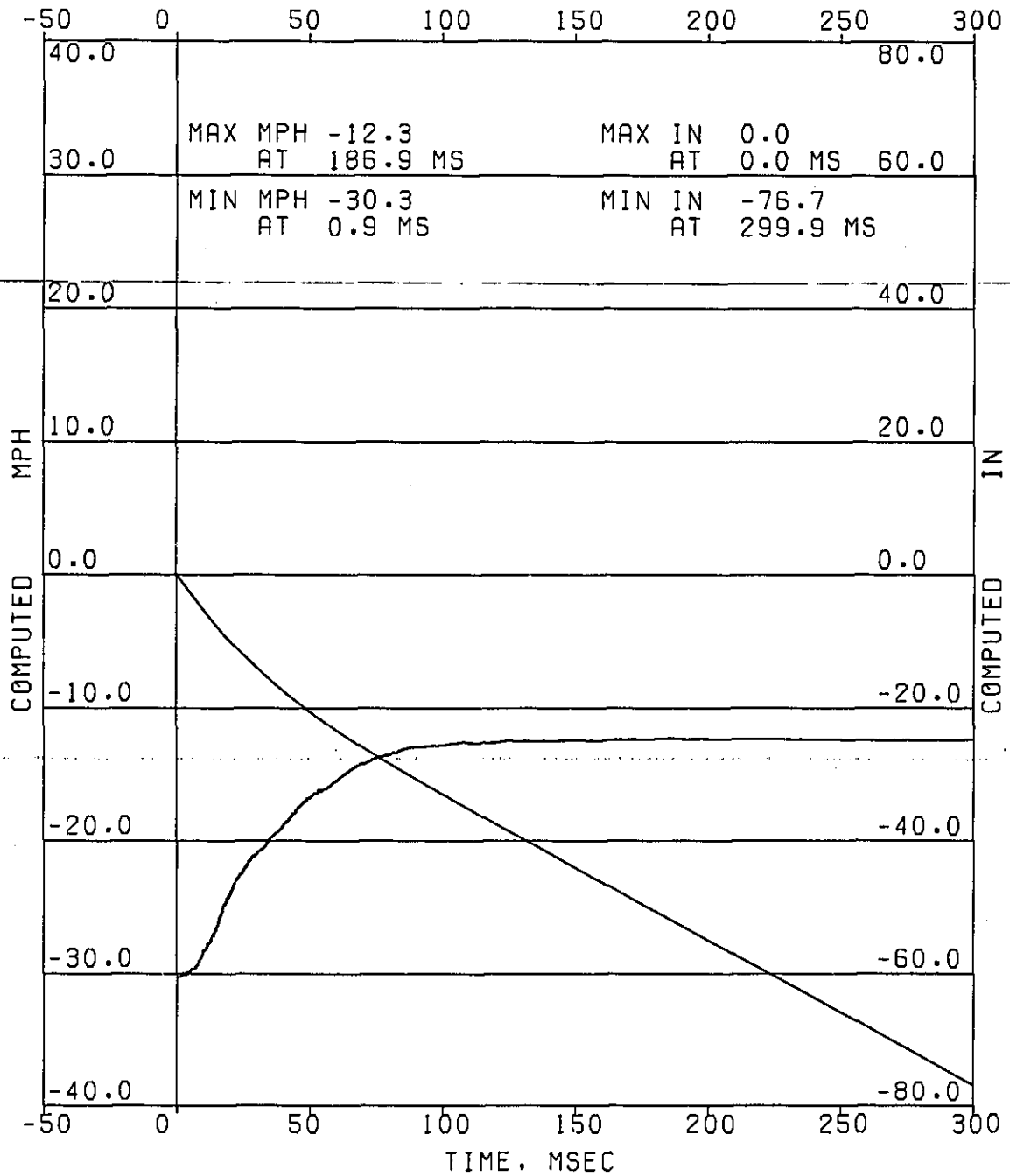


VC05282 30 MPH REAR BARRIER IMPACT, XJL72, 4.0L. ITEM XJ6588
 1997 MVSS 301 DEVELOPMENT.
 CHANNEL 015 RT RAIL MBAR MID X 97860

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

IMPACT ANALYSIS DEPT. 5320
 NOV 1.1994

DATA SET 10/21/94BF
 ERRATA 1



COMPUTED MPH
 COMPUTED IN

EA12-005
CHRYSLER
12-13-2012
Enclosure 6B
301 Developmental Crash
Tests Public
XJ Development Crash Test
vc-5309_01 Public

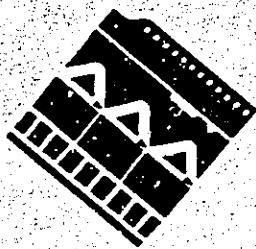


Image Source Inc.

801 Front Street
Toledo, Ohio 43605
419/697/1111
Fax: 419/697/1267

IMAGE & INFORMATION MGT.

DECLARATION OF INTENT AND PURPOSE

TRINA JEAN CARDEE

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 micrographed on this microfilm media is only to be accomplished 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 customer authorization or as part of the planned organizational operation procedure.

Date December 23 1996

Microfilming Operator Trina Jean Cardee

Location 801 Front St.

EA 12-005 Chrysler 000018

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
TEST DATE 12/12/94

TEST PURPOSE PRIMARY, 1997 USA 301 DEVELOPMENT.
OBSERVE AND DETERMINE FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.2 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD
DIRECTION; 0 DEGREES

VEHICLE BODY CLASS; XJ
CAR LINE; J
BODY; 74
ENGINE; 4.0 LITRE
ENGINE NOTE; MPI
TRANSMISSION; 4 SPEED AUTO 4X4
TRANS. NOTE;
VIN AS TESTED; 1J4FJ78S6SL [REDACTED] MOD.
VIN AS BUILT; 1J4FJ78S6SL [REDACTED] MOD.

TEST SPEED 30.4 MPH BY ELECTRONIC TRAP TIMER.

TEST WEIGHT (LBS) 4265 TOTAL, 2255 FRONT, 2010 REAR.

OCCUPANTS RIGHT FRONT, HYBRID II, BALLAST. AD-53
RESTRAINT-RESTRAINT-BELTS ONLY.

BUILD CONDITION [REDACTED]

TARGET WEIGHT (LBS) 3627 TOTAL, 2001 FRONT, 1626 REAR REP MAX OPT. WT.
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
TEST DATE 12/12/94

FUEL AND BALLAST 22 GALLONS STODDARD.
300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.
100 LBS SECURED TO LEFT FRONT FLOOR PAN.
150 LBS SECURED TO RIGHT FRONT FLOOR PAN.
100 LBS SECURED TO RIGHT REAR FLOOR PAN.
180 LBS OF INSTRUMENTATION & BALLAST SECURED
OVER ENGINE COMPARTMENT.

POST TEST REMARKS THERE WAS NO FUEL LEAKAGE DURING IMPACT NOR DURING
THE SUBSEQUENT THIRTY MINUTES.
A POST TEST PRESSURE CHECK WAS CONDUCTED WITHOUT
ANY FUEL LEAKAGE.

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

DISTRIBUTION W.A. BREITMOSER 422-05-01 (AB)
D.J. MCKENZIE 422-05-01 (AB)
C.C. CORNEAU 514-15-58 (AB)
A.D. DALE 514-15-58 (AB)

DATE 12/19/94

TIME 08.25.18.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

ITEM XJ6870R CHARGE NO. MASTERCARD ISSUE DATE 11/15/94

VC 5309 30 MPH REAR IMPACT, XJJ74, 4.0L RESTRIKE.
1997 DEVELOPMENT - MVSS 301.

TEST DATE 12/12/94 ENGINEER Weigel
SPEED 30.4 MPH SOURCE TRAP TIMER

TEST PURPOSE PRIMARY, 1997 USA 301 DEVELOPMENT.
OBSERVE AND DETERMINE FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.2 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD
DIRECTION; 0 DEGREES

VEHICLE BODY CLASS; XJ
CAR LINE; J
BODY; 74
ENGINE; 4.0 LITRE
ENGINE NOTE; MPI
TRANSMISSION; 4 SPEED AUTO 4X4
TRANS. NOTE;
VIN AS TESTED; 1J4FJ78S6SL [REDACTED] MOD.
VIN AS BUILT; 1J4FJ78S6SL [REDACTED] MOD.

BUILD CONDITION



TARGET WEIGHT (LBS) 3627 TOTAL, 2001 FRONT, 1626 REAR REP MAX OPT. WT.
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

TEST WEIGHT (LBS) 4265 TOTAL, 2255 FRONT, 2010 REAR

FUEL BALLAST 22 GALLONS STODDARD.

LUGGAGE BALLAST 300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.

POST TEST REMARKS

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

OTHER BALLAST

250 LBS SECURED TO FR FLOOR PAN.
100 LBS SECURED TO RT RR FLOOR PAN.
180 LBS OF INSTRUMENTATION & BALLAST (15 LBS) - ENG. COMP.

OCCUPANTS

RIGHT FRONT, HYBRID II, BALLAST.
RESTRAINT-RESTRAINT-BELTS ONLY.

AD NO 53

MECHANICAL REQ

PLACE SEATS IN MID TRACK POSITION.
PRESSURE CHECK PRE-TEST, ROLL OVER POST-TEST.
PAINT REAR STRUCTURE AND FUEL TANK FOR CONTRAST.

DROP TANK AND PAINT FUEL SENDING UNIT FOR CONTRAST
INSTALL MINI-SPARE AND SAFETY STRAP.
REMOVE FRONT SEAT AND STRUCTURE NECESSARY FOR
ONBOARD CAMERA MOUNTING AND POWER SUPPLY.
REMOVE FUEL LINE FROM SENDING UNIT AND PLUG BOTH
LINE AND SENDING UNIT FOR PRESSURE TEST.

INSTRUMENTATION REQ

SEE 3RD SHEET NO.107 FOR ACCELEROMETER REQUIRE-
MENTS AND LOCATIONS.
HYBRID II BALLAST ATD RIGHT SIDE ONLY.
PRESSURE TRANSDUCER TEE INTO GAS FILL & VENT TUBE.

PHOTOGRAPHIC REQ

1-LEFT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
AT IMPACT.
1-RIGHT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
AT IMPACT.
1-ONBOARD CAMERA TO VIEW FUEL TANK SENDING UNIT.
1-CATWALK CAMERA TO VIEW ENTIRE VEHICLE.
1-PIT CAMERA TO VIEW REAR STRUCTURE.
1-PIT CAMERA CLOSE UP VIEW OF FUEL TANK AND
DIFFERENTIAL.
1-PANNING CAMERA.

FILM ANALYSIS

VEHICLE VELOCITY ONLY IF REQUESTED.

REMARKS

TEST REQUESTOR: J. B. ESTES (T.L. 733-2519).
MAKE 1 FILM AND 1 VIDEO COPY & SEND TO:
C.C. CORNEAU CIMS: 514-15-58.
SHIP VEHICLE TO JTE POST TEST, ATTN: C. CORNEAU.

T. E. REPORT

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

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	

DISTRIBUTION

W.A. BREITMOSER	422-05-01	(AB)
D.J. MCKENZIE	422-05-01	(AB)
T.C. CORNEAU	514-15-58	(AB)
A.D. DALE	514-15-58	(AB)

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

*****CHANGED 11/21/94 AT 09.07.58. SUPPLEMENT NO. 01

PHOTOGRAPHIC REQ

ADD 1-ONBOARD CAMERA TO VIEW FUEL TANK SENDING UNIT.

*****CHANGED 12/05/94 AT 14.18.28. SUPPLEMENT NO. 02

MECHANICAL REQ

ADD DROP TANK AND PAINT FUEL SENDING UNIT FOR CONTRAST
ADD INSTALL MINI-SPARE AND SAFETY STRAP.
ADD REMOVE FRONT SEAT AND STRUCTURE NECESSARY FOR
ADD ONBOARD CAMERA MOUNTING AND POWER SUPPLY.
ADD REMOVE FUEL LINE FROM SENDING UNIT AND PLUG BOTH
ADD LINE AND SENDING UNIT FOR PRESSURE TEST.

INSTRUMENTATION REQ

MODIFY HYBRID II BALLAST ATD'S RIGHT & LEFT.
TO READ HYBRID II BALLAST ATD RIGHT SIDE ONLY.

*****CHANGED 12/05/94 AT 14.27.49. SUPPLEMENT NO. 03

TITLE

DELETE Y
DELETE Y

OCCUPANTS

DELETE LEFT FRONT, HYBRID II, BALLAST. AD NO _____
DELETE RESTRAINT-RESTRAINT-BELTS ONLY.

*****CHANGED 12/07/94 AT 12.53.33. SUPPLEMENT NO. 04

INSTRUMENTATION REQ

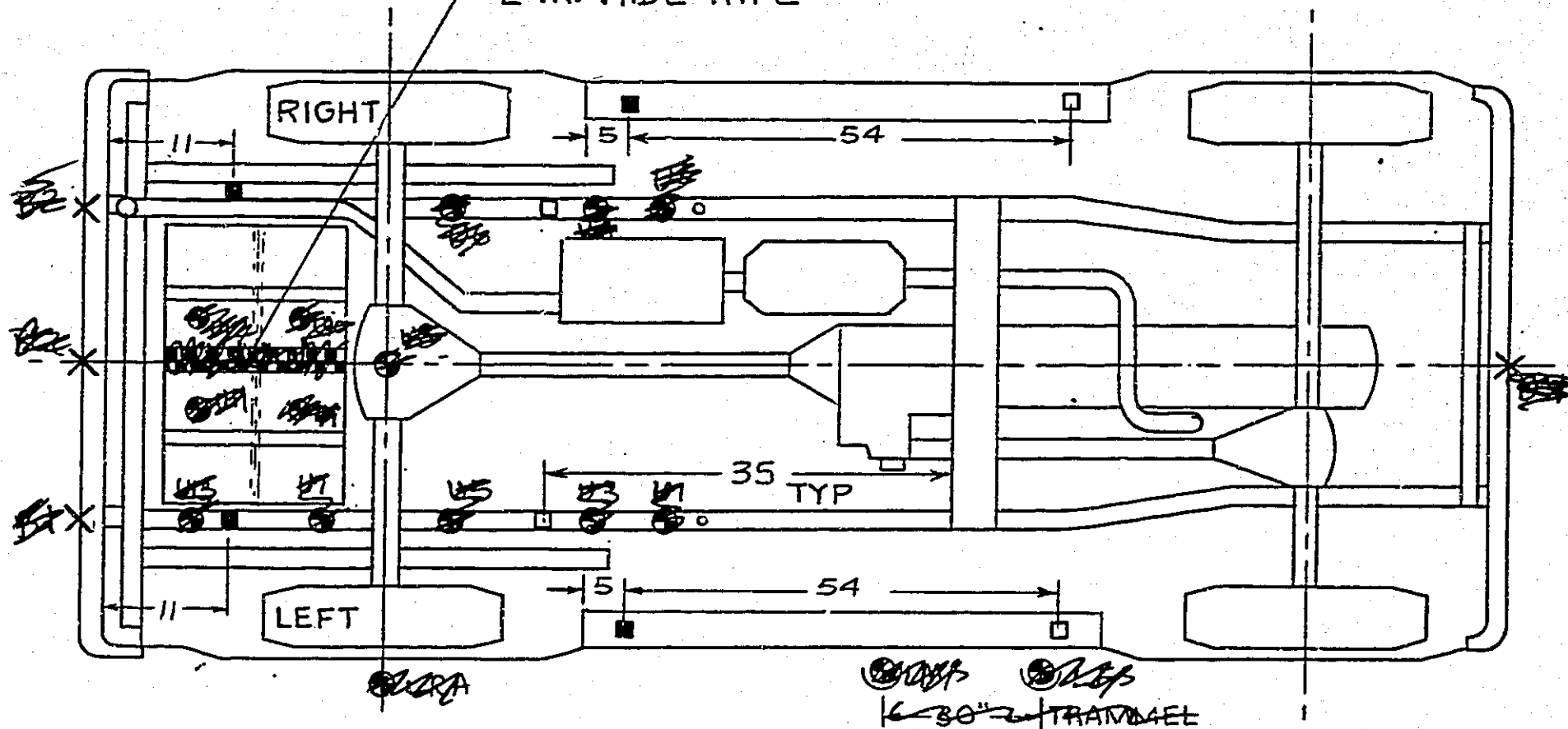
ADD PRESSURE TRANSDUCER TEE INTO GAS FILL & VENT TUBE.

THIRD SHEET 102, ITEM XJ6870R, VC 5309
 JEEP HEROOKEE 4x4
 TARGET AND ACCELEROMETER LOCATIONS
 FOR REAR IMPACTS

ZENONS REQD ON ROOF

ELEC FUEL PUMP TO BE
 RUNNING DURING IMPACT

2 IN. WIDE TAPE



TARGETS

X PUNCH POINT
 ⊕ UNDERBODY
 ⊙ SIDE VIEW

LEGEND

ACCELEROM-
 ETTERS

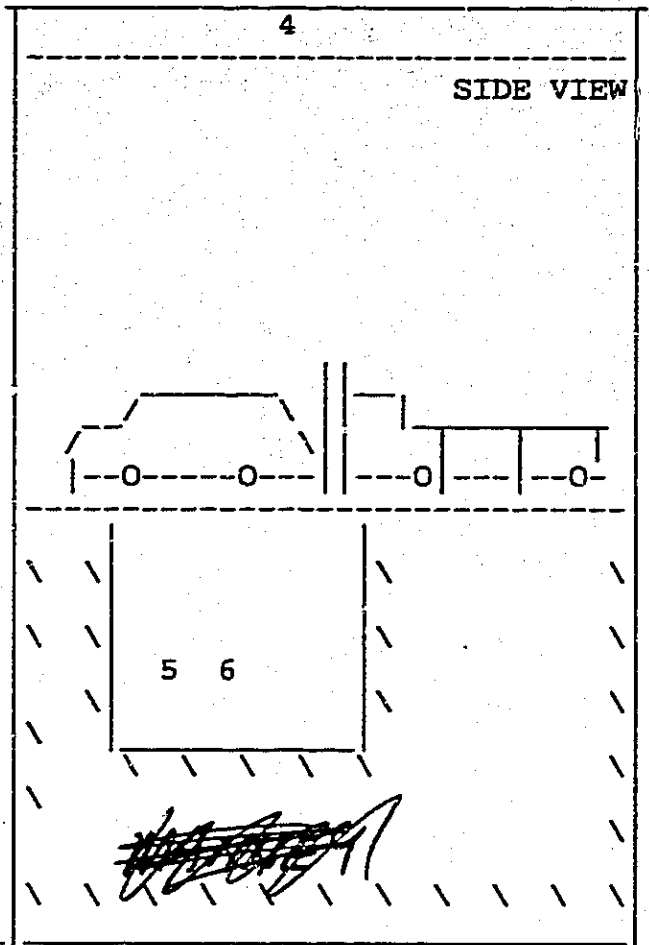
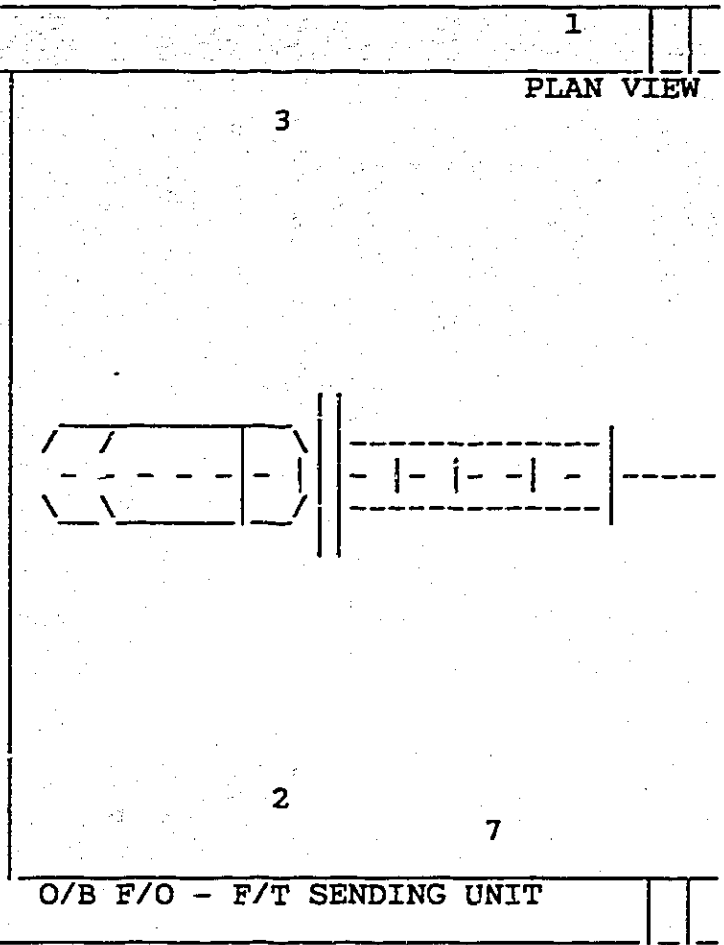
□ SINGLE AXIS, X
 ■ BIAXIAL, X & Z

N O T E S -

1. PRE AND POST DIMENSIONS ARE REQUIRED PER BREITMOSER LETTER OF 01-04-88
2. NUMBERS ASSIGNED TO EACH TARGET ARE PERMANENT.
3. TARGETS MAY BE DELETED BY NUMBER PER TR.
4. ADDITIONAL TARGETS MAY BE REQUESTED BY TR.
5. LOCATIONS SHOWN ARE APPROX TO ± 0.5 IN. ACTUAL MEASUREMENT TO ± 0.1 INCH.

RED

ZMD



TEST NUMBER VC5309 TEST TYPE: 30 MPH TYPE IV MOVING BARRIER REAR IMPACT
 TEST ENGINEER WEIGEL REQUEST DATE : 12/01/94 VEHICLE BODY CLASS : XJ

#	VIEW DESCRIPTION	CAM S/N	LENS F.L.	LENS S/N	LENS MFG.	F-STOP	PNL	SKT	CBL	CAM MFG
1	PANNING									
2	LT. OVERALL	1877	25mm	106468	KIN	5.6 ^{2/4}				
3	RT. OVERALL	1878	13mm	105444	KIN	5.6 ^{2/4}				
4	CATWALK OVERALL	282	18mm	107230	KIN	8x2				
5	PIT REAR STRUCTURE	426	200mm	953	SEMIKON	5.6 ^{2/4}				
6	PIT CLOSE-UP F/TANK & DIF.	427	25mm	52670	LOS	5.6 ^{2/4}				
7	A-VELOCITY	1891	100mm	D73487	WOL	5.6 ^{2/4}				
8	ONBOARD FIBER OPTICS TO VIEW F/T SENDING UNIT	X	35	7915	PAR	5.6				
9										
10										

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC5309 ITEM NUMBER XJ6864 TEST ENGINEER WEIGEL

V.I.N. 1J4FJ78S6SL [REDACTED] TEST DATE 12/21/94 ROLL DATE 1/1/95

TEST TYPE; 30 MPH FRONT FLAT FIXED BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 22.0 GALLONS

TEST SPEED 30.4 MPH, TEST WEIGHT 4265 POUNDS.

POST TEST FUEL SYSTEM OBSERVATIONS _____

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

POST TEST PRESSURE CHECK OK

ELECTRIC FUEL PUMP RUN N/A

STATIC ROLL LEAKAGE WITH VEHICLE N/A SIDE DOWN FIRST

		FUEL LEAKAGE LOCATIONS DURING STATIC ROLL				TOTAL
ROLL TIME						
0-90	1ST 5 MIN					*
	POST 5 MIN					**
90-180	1ST 5 MIN					*
	POST 5 MIN					**
180-270	1ST 5 MIN					*
	POST 5 MIN					**
270-360	1ST 5 MIN					*
	POST 5 MIN					**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

LAST FORM MODIFICATION 5/27/93 - GAB

VC05309

ELECTRONIC TRANSDUCER DATA

TEST DATE: 12/12/94

ITEM NO XJ6870R
DATA SET
12/12/94BJ
IMPACT ANALYSIS
DEPARTMENT 5320
CODE EDP

VC05309 30 MPH RR IMPACT. XJJ74. 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.

RECEIVED JUN 17 1995

TEST PURPOSE PRIMARY. 1997 USA 301 DEVELOPMENT.
OBSERVE AND DETERMINE FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED: 30-2 MPH
DAMAGE LOCATION: REAR
BARRIER TYPE: REAR TYPE IV
BARRIER SURFACE: PLYWOOD
DIRECTION: 0 DEGREES

VEHICLE BODY CLASS: XJ
CAR LINE: J
BODY: 74
ENGINE: 4.0 LITRE
ENGINE NOTE: MPI
TRANSMISSION: 4 SPEED AUTO 4X4
TRANS. NOTE:
VIN AS TESTED: 1J4FJ78S6SL MOD.
VIN AS BUILT: 1J4FJ78S6SL MOD.

TEST SPEED 30.4 MPH BY ELECTRONIC TRAP TIMER.

TEST WEIGHT (LBS) 4265 TOTAL. 2255 FRONT. 2010 REAR.

OCCUPANTS RIGHT FRONT. HYBRID II. BALLAST. AD-53
RESTRAINT-RESTRAINT-BELTS ONLY.

BUILD CONDITION

TARGET WEIGHT (LBS) 3627 TOTAL. 2001 FRONT. 1626 REAR REP MAX OPT. WT.
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 22 GALLONS STANDARD.
300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.
100 LBS SECURED TO LEFT FRONT FLOOR PAN.
150 LBS SECURED TO RIGHT FRONT FLOOR PAN.
100 LBS SECURED TO RIGHT REAR FLOOR PAN.
180 LBS OF INSTRUMENTATION & BALLAST SECURED
OVER ENGINE COMPARTMENT.

POST TEST REMARKS THERE WAS NO FUEL LEAKAGE DURING IMPACT NOR DURING
THE SUBSEQUENT THIRTY MINUTES.
A POST TEST PRESSURE CHECK WAS CONDUCTED WITHOUT
ANY FUEL LEAKAGE.

S. MARCHENIA

MICROFICHE INCLUDED - 33 GRAPHS

ITEM NO XJ6870R

DATA SET
12/12/94BJ

IMPACT ANALYSIS
DEPARTMENT 5320
CODE EDP

VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.

A MICROFICHE HAS BEEN PREPARED AND IS AVAILABLE UPON
REQUEST WITH THE GRAPHS AT COORDINATES AS FOLLOWS:

- A 4- 5 TRANSDUCER SUMMARY REPORT
- A 6- 7 AVERAGE OF SILLS
- B 1. 2 LEFT FRONT SILL X
- B 3. 4 RIGHT FRONT SILL X
- B 5. 6 LEFT REAR SILL X
- B 7. 8 LEFT REAR SILL Z
- B 9. 10 RIGHT REAR SILL X
- B 11. 12 RIGHT REAR SILL Z
- B 13. 14 LT RR SPRG HNG FT X
- C 1. 2 RT RR SPRG HNG FT X
- C 3. 4 LT REAR RAIL MID TANK X
- C 5. 6 LT REAR RAIL MID TANK Z
- C 7. 8 RT REAR RAIL MID TANK X
- C 9. 10 RT REAR RAIL MID TANK Z
- C 11. 12 LT RAIL MBAR MID X
- C 13. 14 RT RAIL MBAR MID X
- D 1 FUEL TANK PRESS

- CC W. A. BREITMOSER 422-05-01
- C. C. CORNEAU 514-15-58
- A. D. DALE 514-15-58
- D. J. MCKENZIE 422-05-01

S. MARCHENIA

MICROFICHE INCLUDED - 33 GRAPHS

TRANSDUCER SUMMARY REPORT

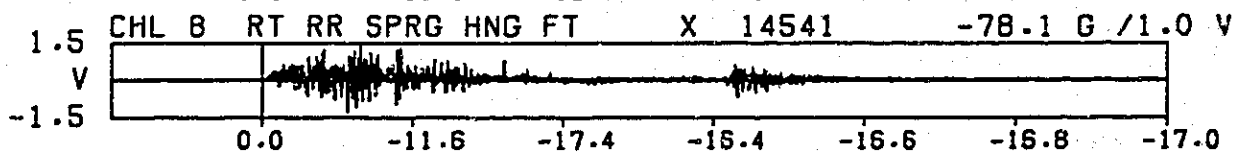
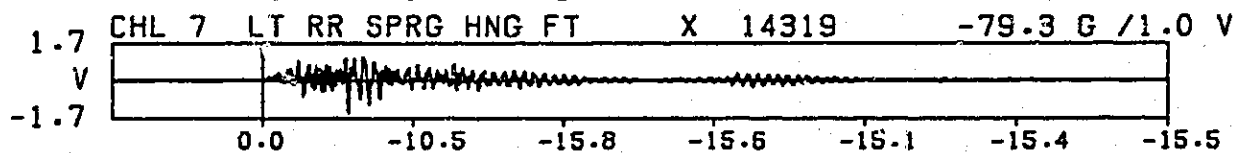
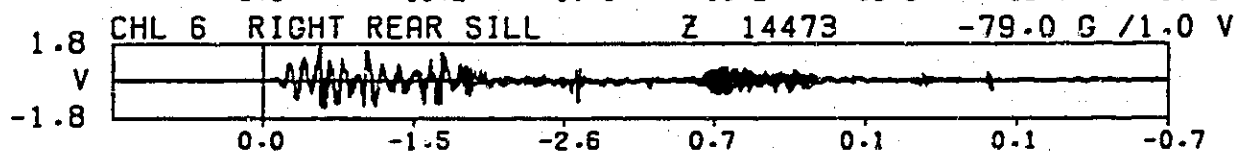
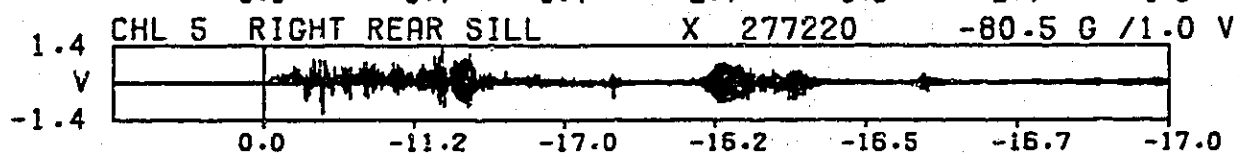
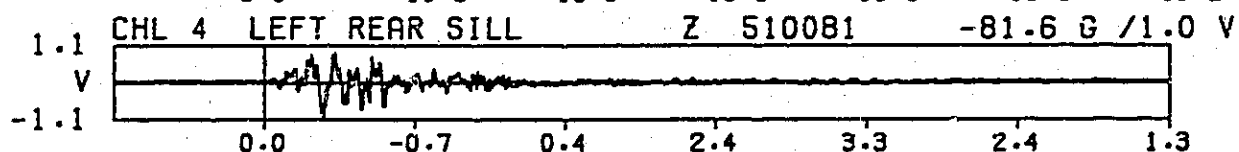
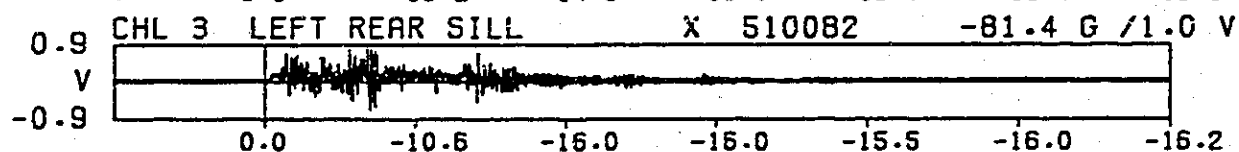
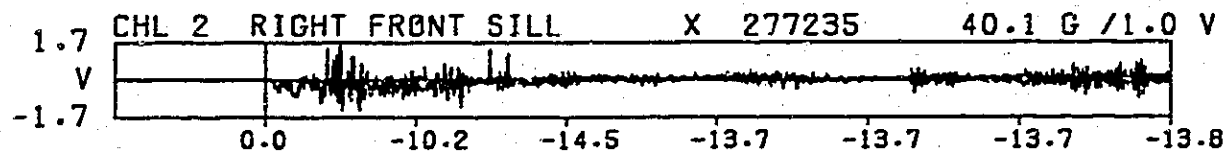
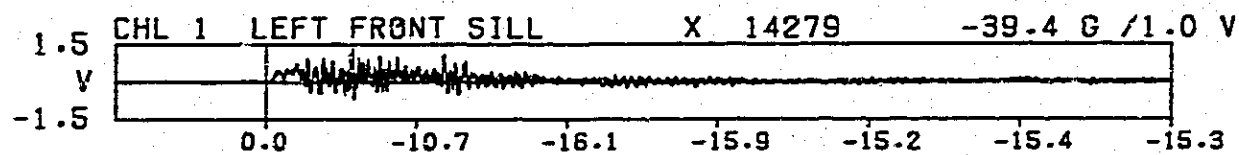
VC05309 30 MPH RR IMPACT, XJJ74, 4-OL RESTRIKE ITEM XJ6870R
 1997 DEVELOPMENT - MVSS 301.
 IMPACT ANALYSIS DEPT. 5320

DATA SET 12/12/94BJ

DEC 19, 1994

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

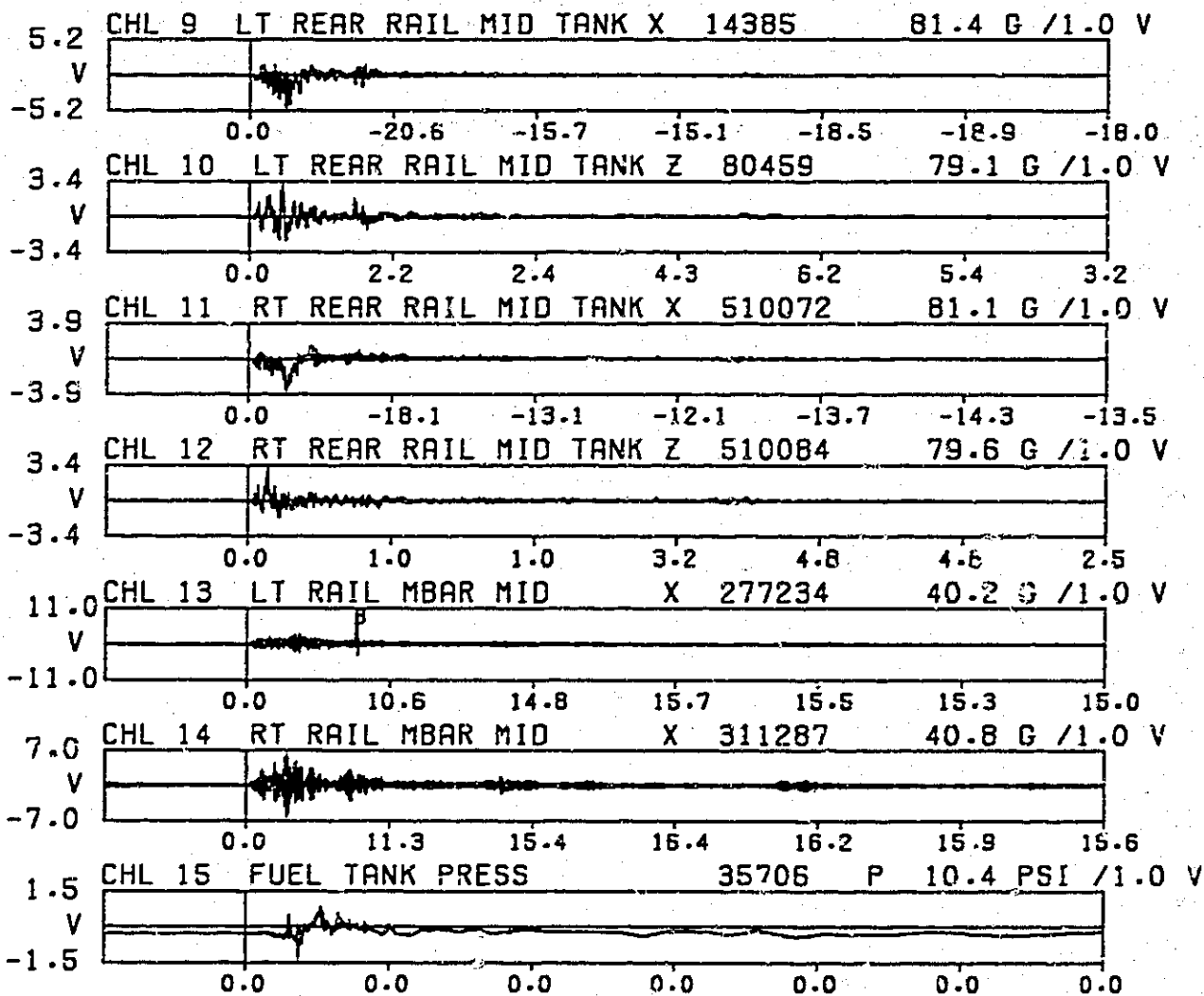
VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
 1997 DEVELOPMENT - MVSS 301.
 IMPACT ANALYSIS DEPT. 5320

DATA SET 12/12/94BJ

DEC 19.1994

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-.

VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL	X	14279
CHANNEL 002 RIGHT FRONT SILL	X	277235
CHANNEL 003 LEFT REAR SILL	X	510082
CHANNEL 005 RIGHT REAR SILL	X	277220

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

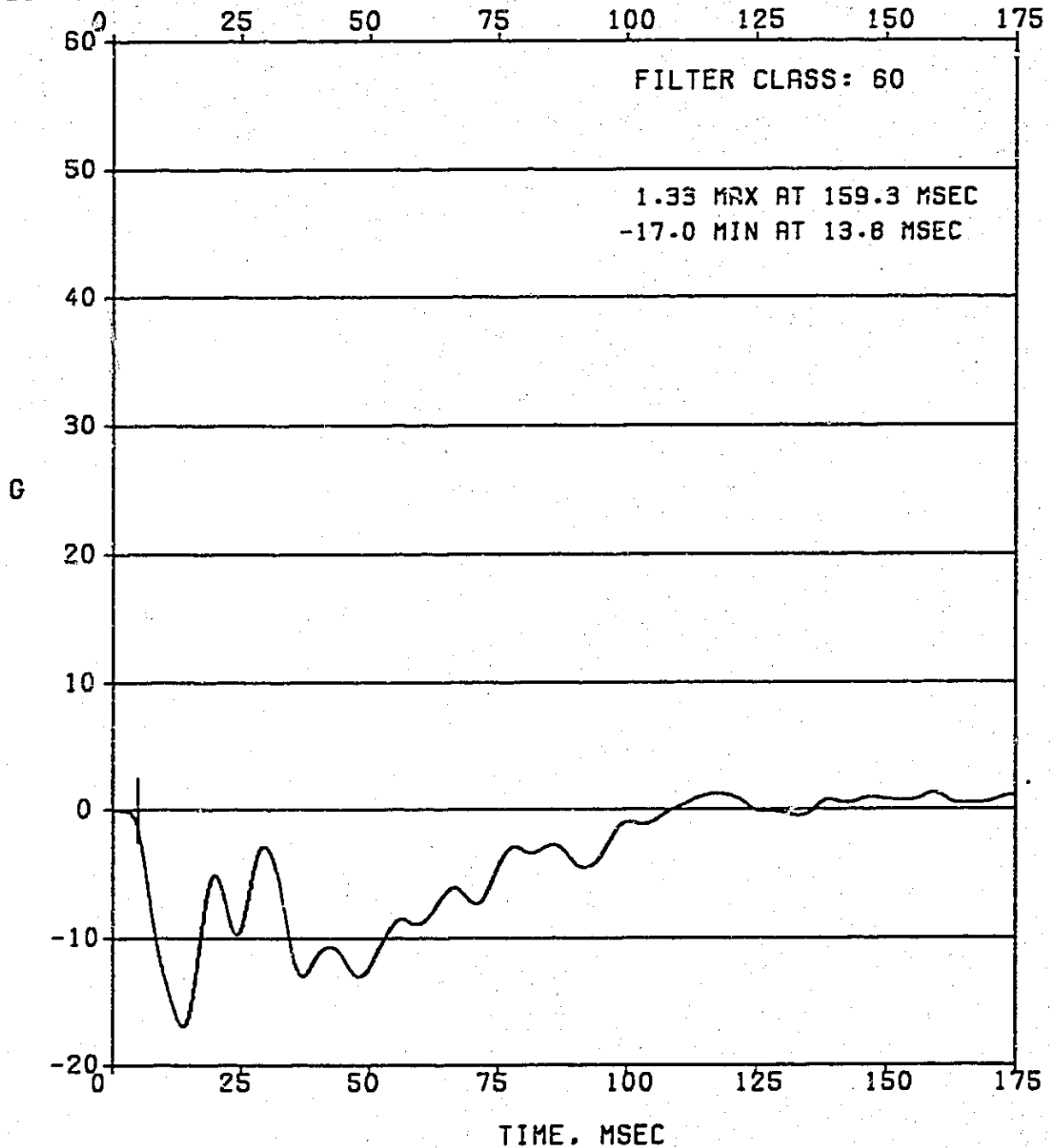
IMPACT ANALYSIS DEPT. 5320

DATA SET 12/12/94BJ

DEC 19, 1994

ERRATA

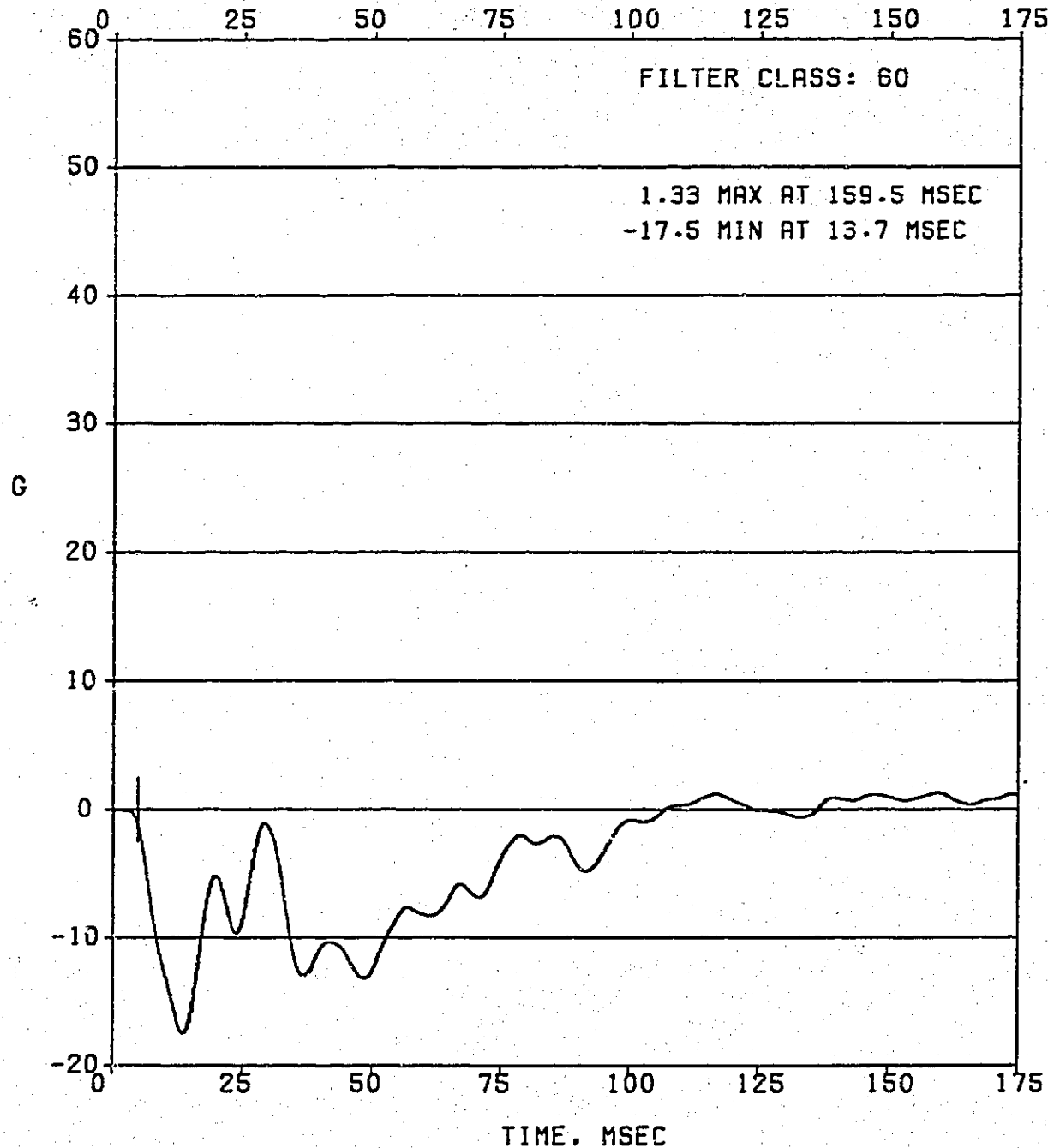
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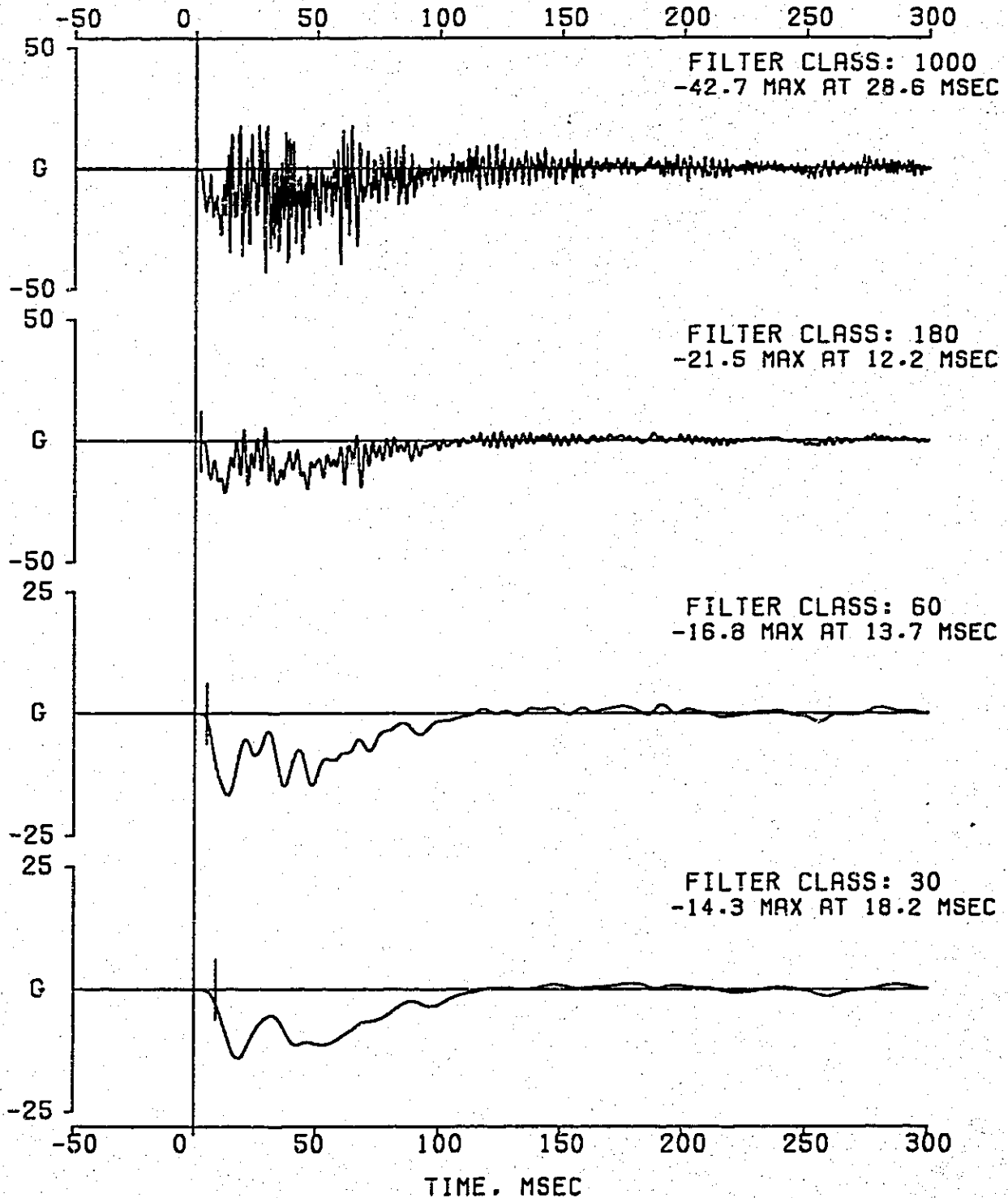
VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X 14279
CHANNEL 002 RIGHT FRONT SILL X 277235

FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19, 1994 ERRATA 1



VC05309 30 MPH RR IMPACT, XJJ74, 4-0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 001 LEFT FRONT SILL X 14279
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19,1994 ERRATA 1

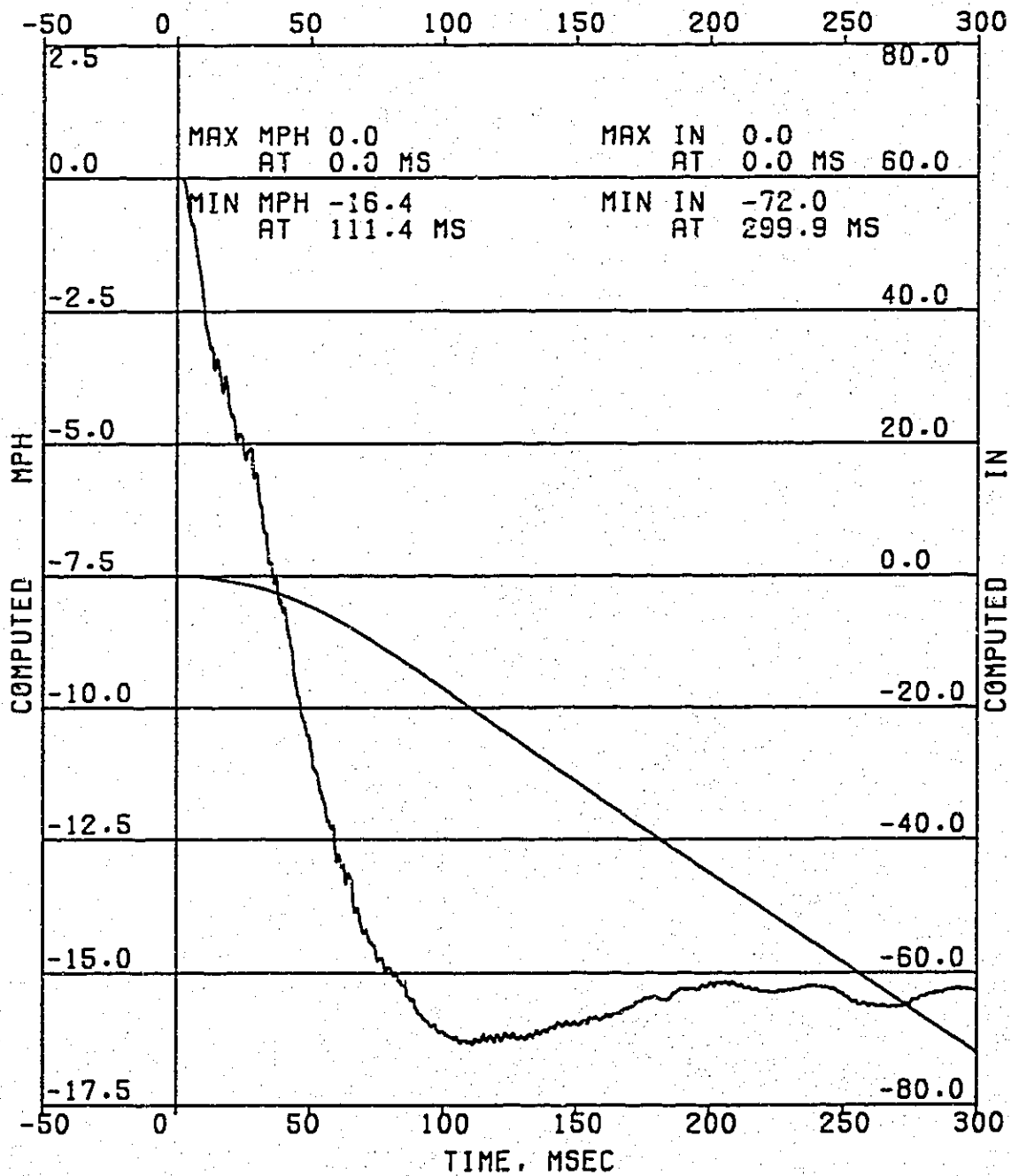


VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 001 LEFT FRONT SILL X 14279

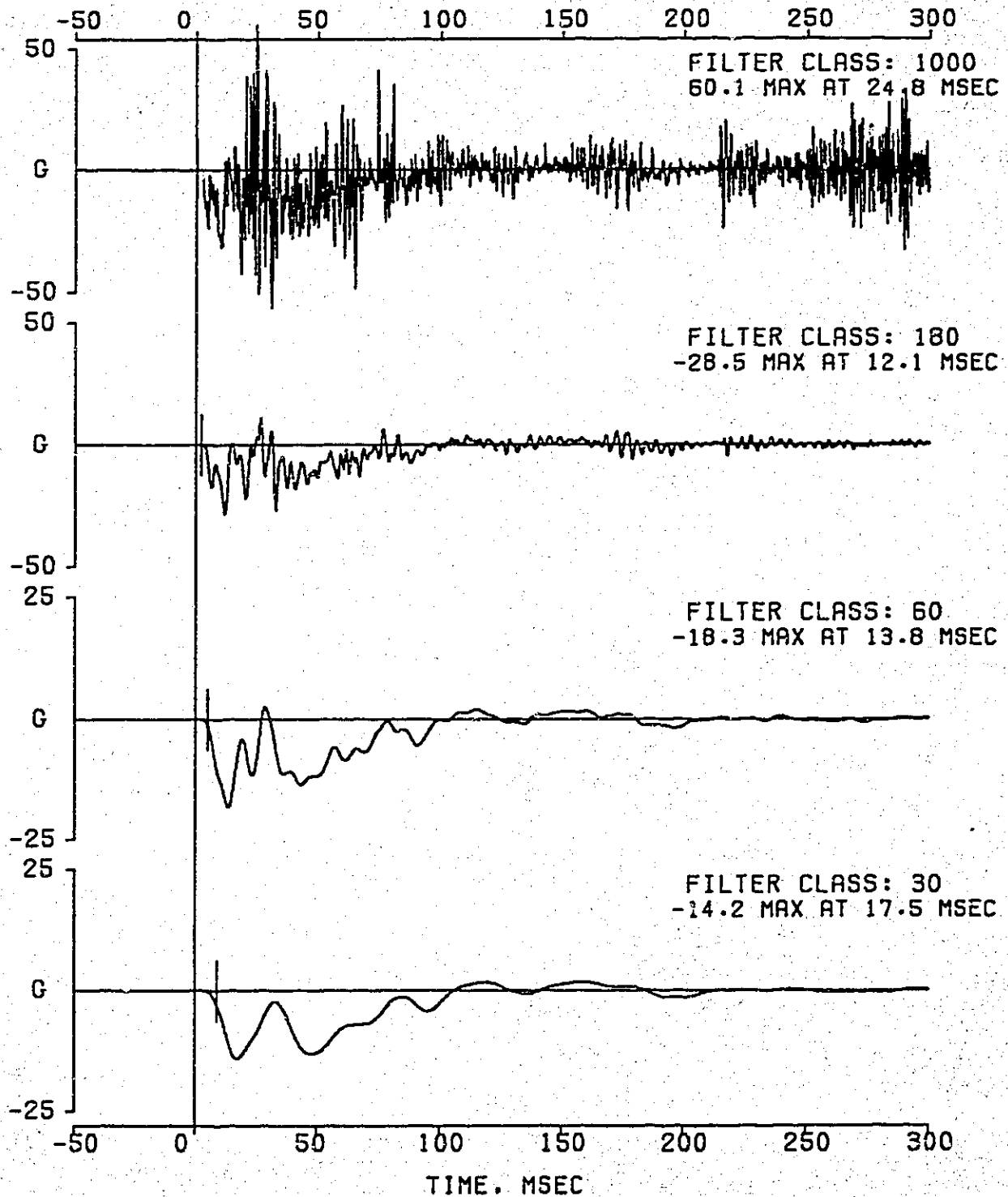
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 DEC 19, 1994

DATA SET 12/12/94BJ
 ERRATA 1



VC05309 30 MPH RR IMPACT, XJJ74, 4-OL RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 002 RIGHT FRONT SILL X 277235
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19, 1994 ERRATA 1

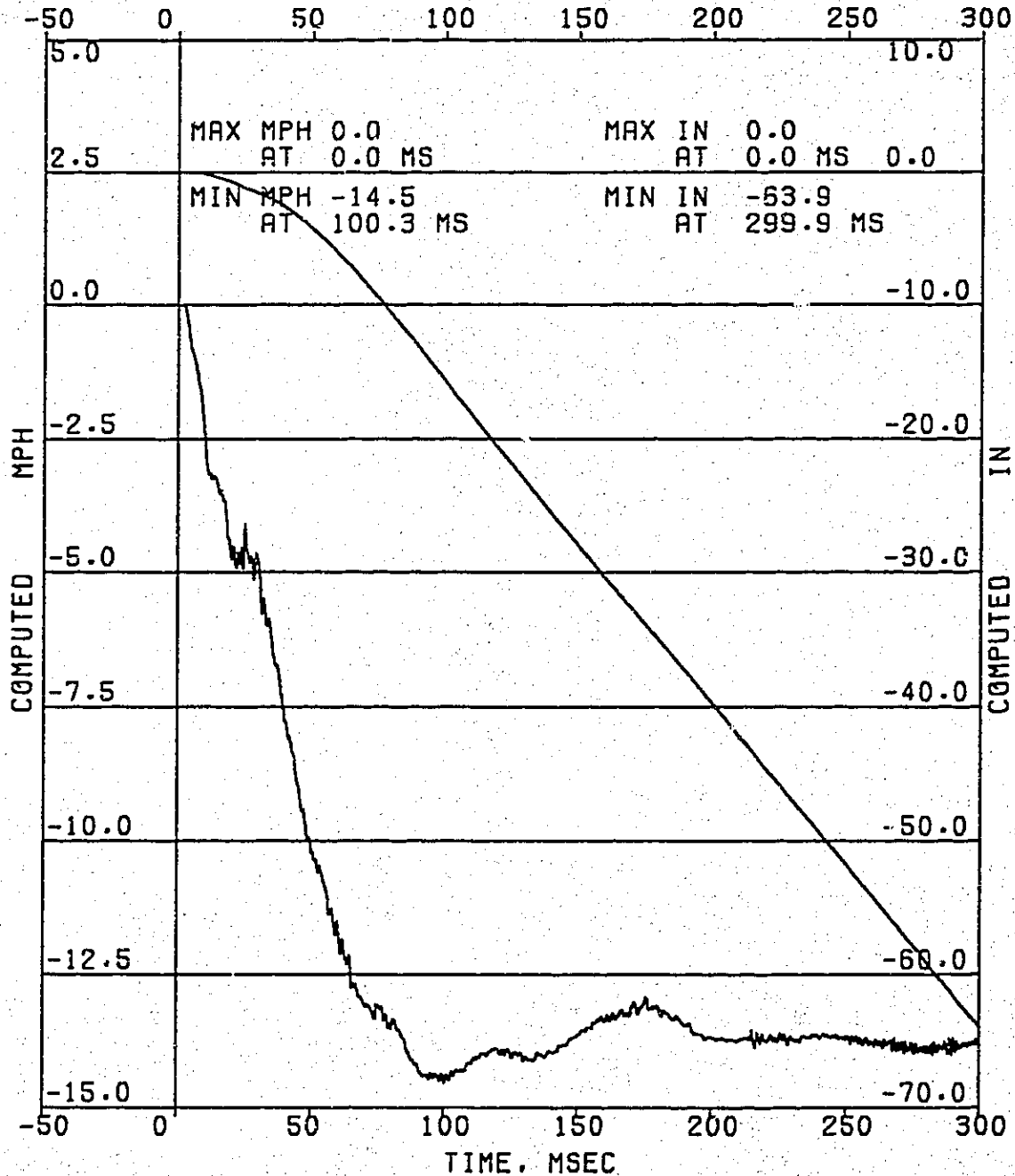


VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 002 RIGHT FRONT SILL X 277235

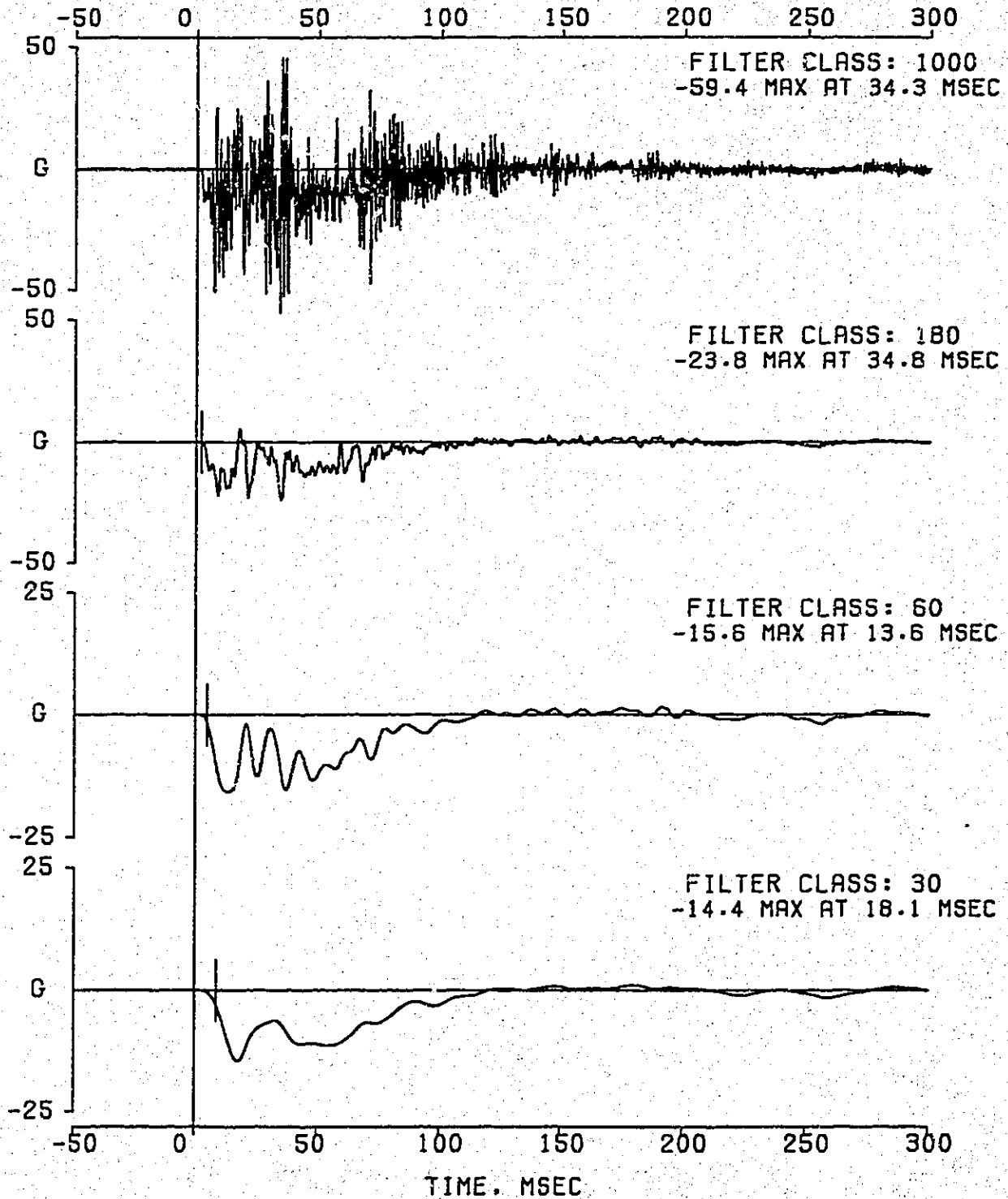
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
DEC 19, 1994

DATA SET 12/12/94BJ
ERRATA 1



VC05309 30 MPH RR IMPACT, XJJ74, 4-0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 003 LEFT REAR SILL X 510082
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19, 1994 ERRATA 1

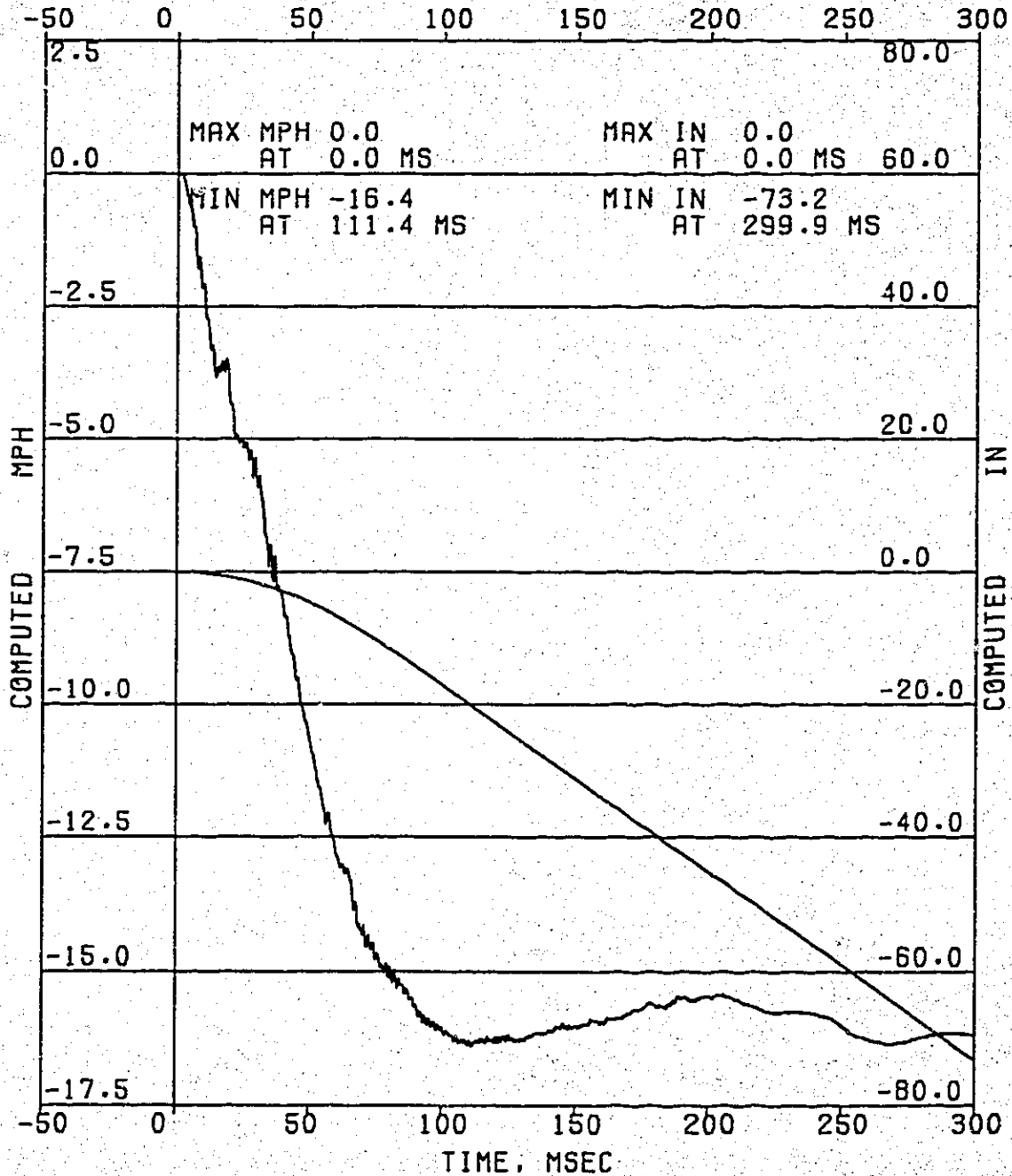


VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 003 LEFT REAR SILL X 510082

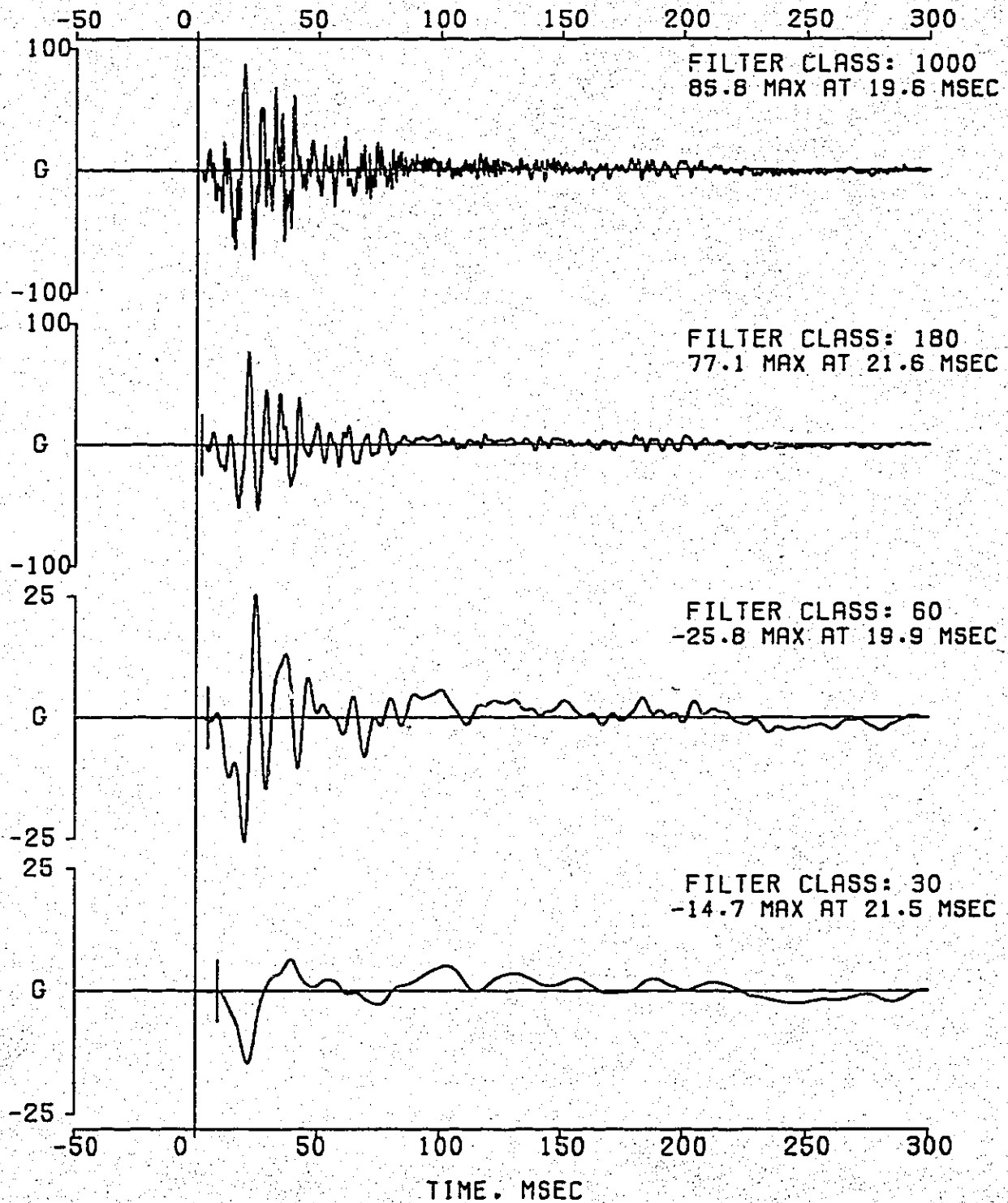
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
DEC 19, 1994

DATA SET 12/12/94BJ
ERRATA 1



VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 004 LEFT REAR SILL Z 510081
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19,1994 ERRATA 1

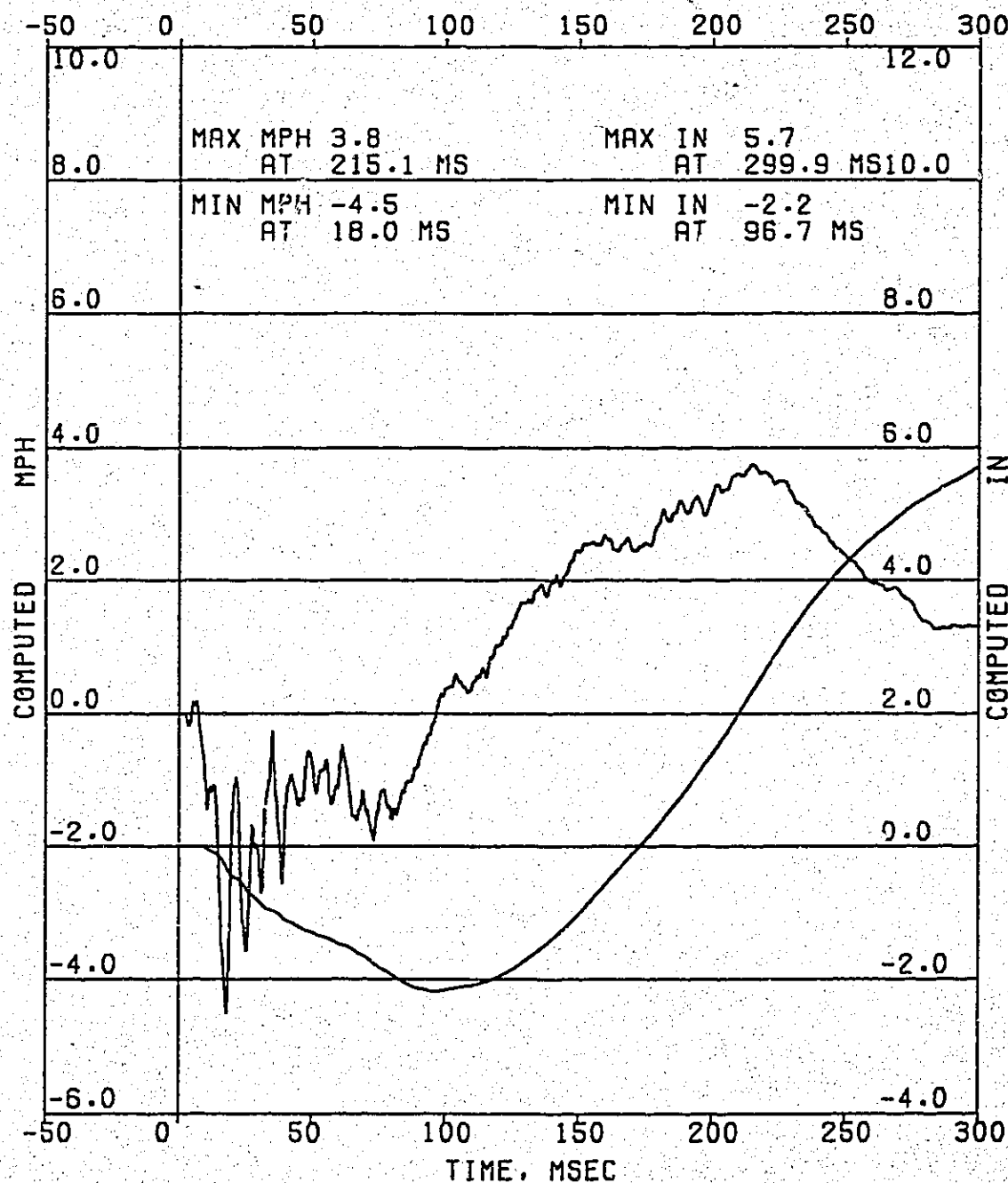


VC05309 30 MPH RR IMPACT, XJJ74. 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 004 LEFT REAR SILL Z 510081

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

IMPACT ANALYSIS DEPT. 5320
DEC 19.1994

DATA SET 12/12/94BJ
ERRATA 1



VC05309 30 MPH RR IMPACT. XJJ74. 4-OL RESTRIKE ITEM XJ6870R.
1997 DEVELOPMENT - MVSS 301.

CHANNEL 005 RIGHT REAR SILL X 277220

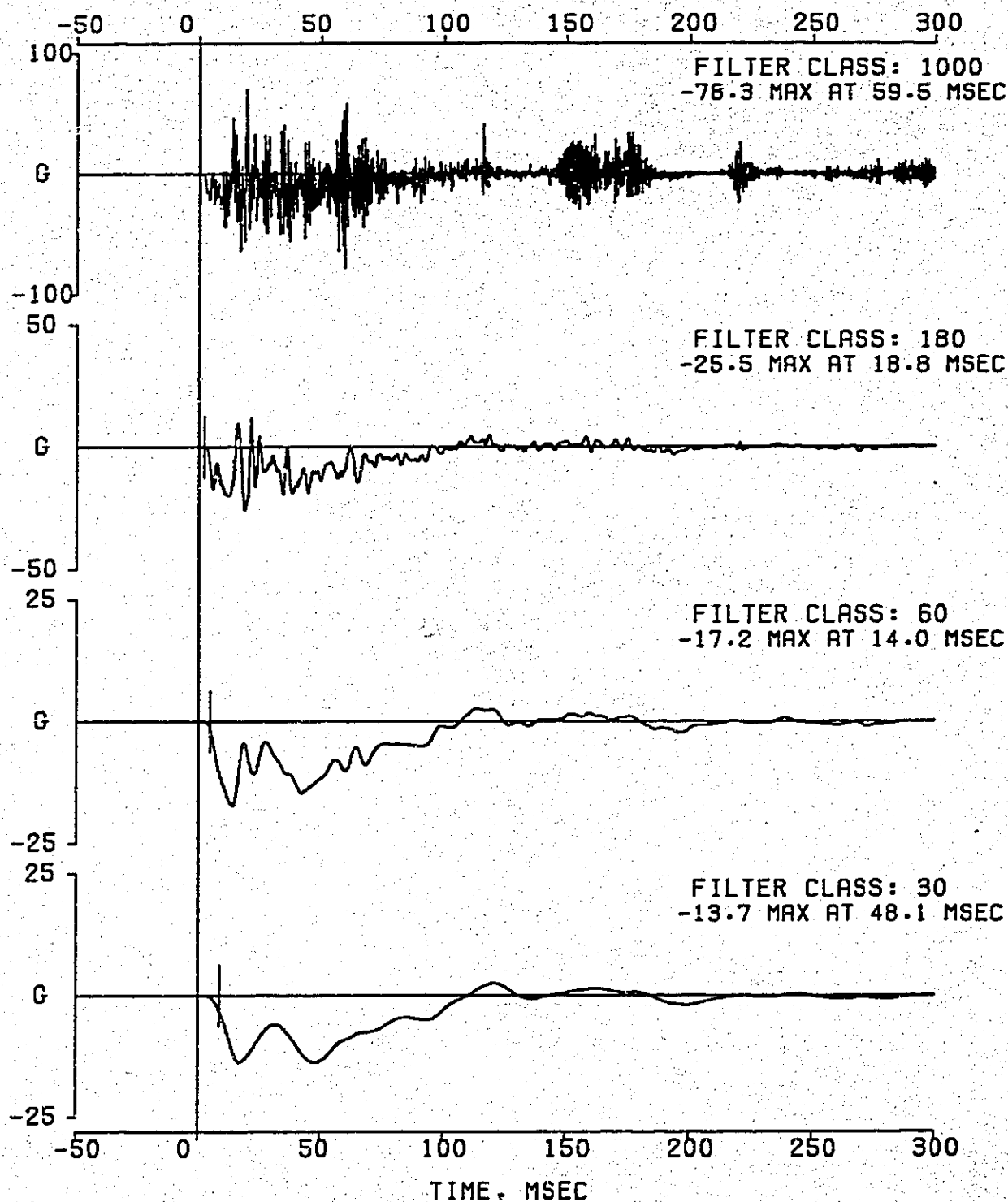
FILTER TYPE: 08DAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 12/12/94BJ

DEC 19,1994

ERRATA 1

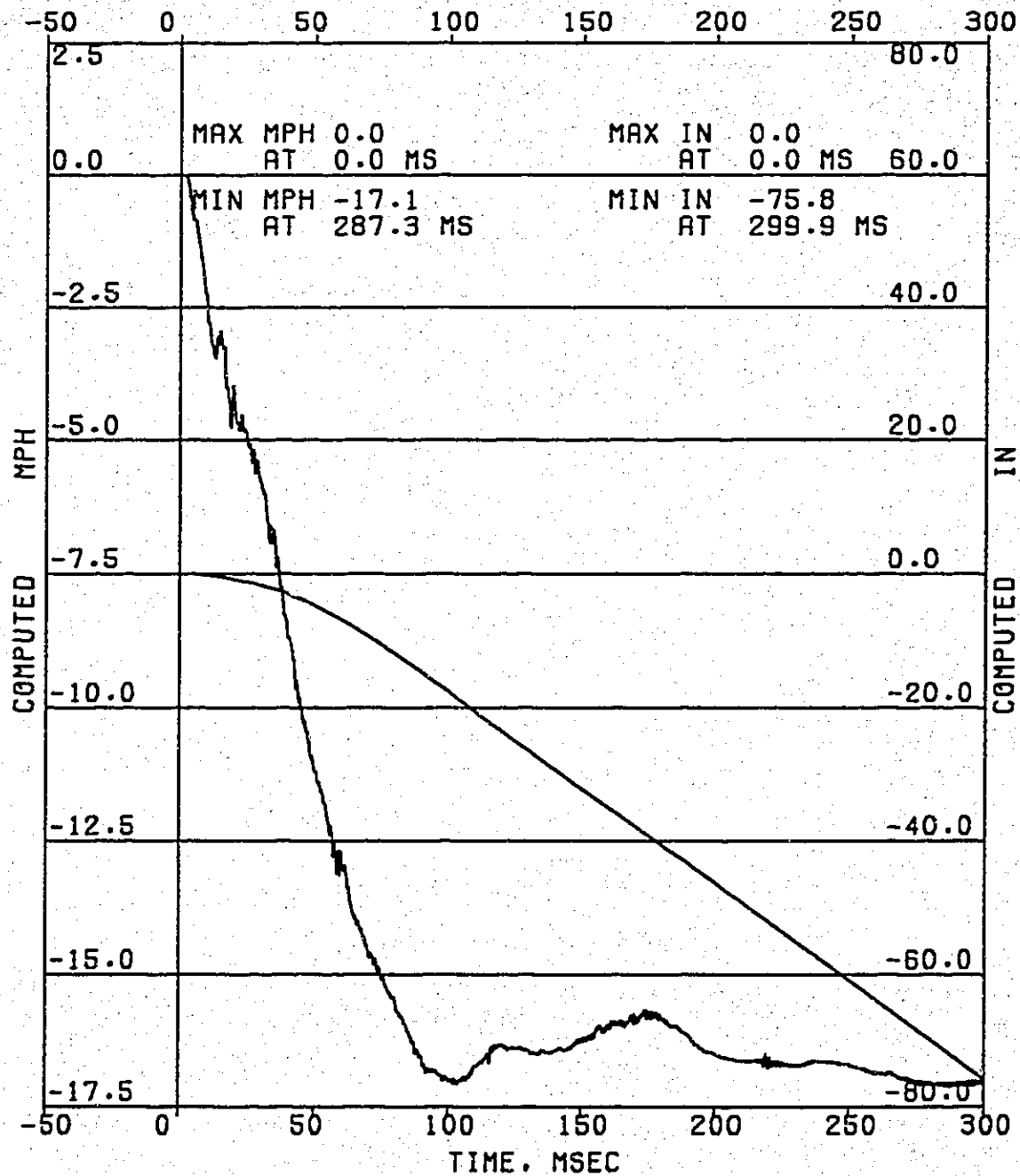


VC05309 30 MPH RR IMPACT. XJJ74. 4.0L RESTRIKE ITEM XJ6870R
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 005 RIGHT REAR SILL X 27722G

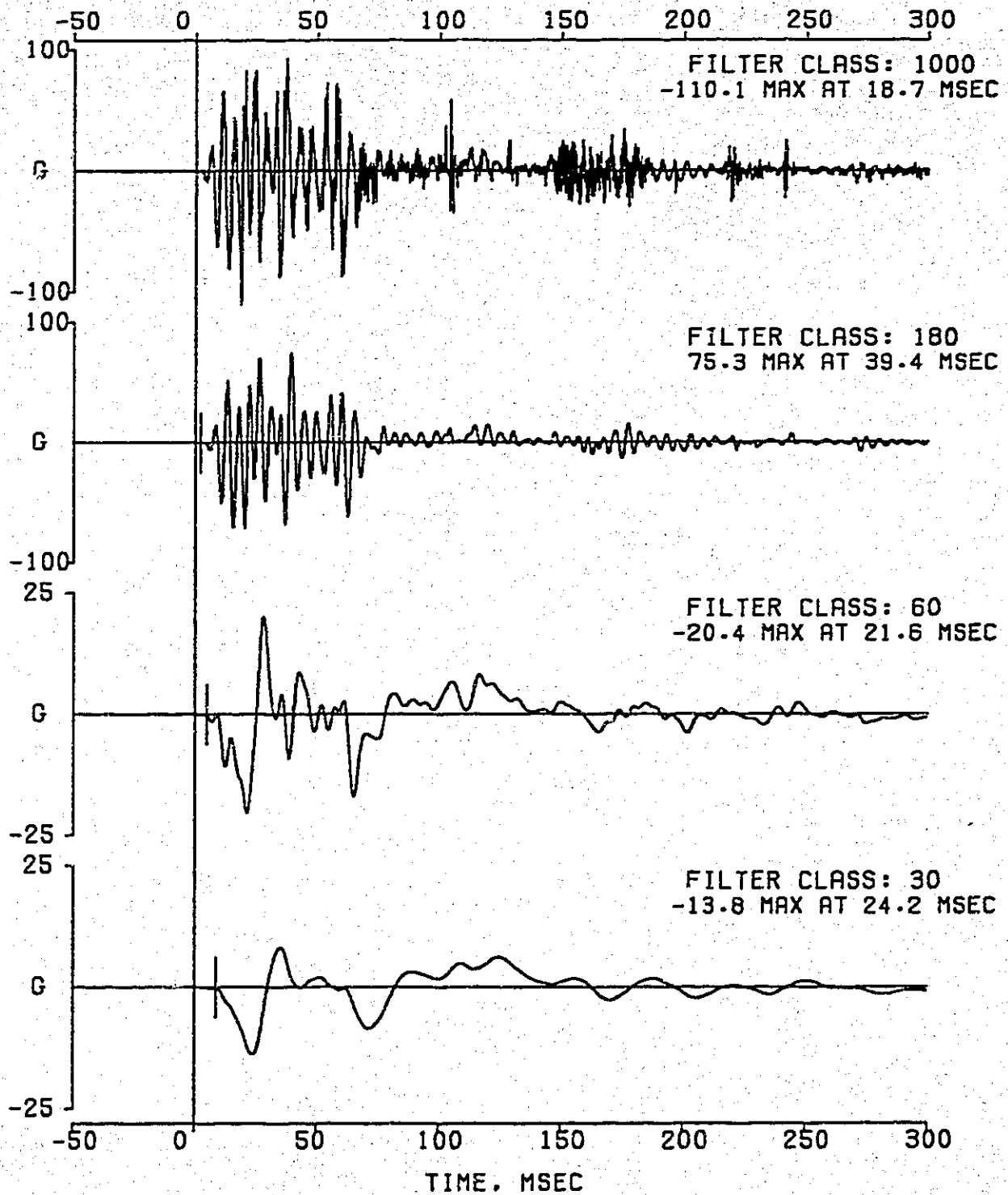
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 DEC 19.1994

DATA SET 12/12/94BJ
 ERRATA 1



VC05309 30 MPH RR IMPACT, XJJ74, 4-OL RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 006 RIGHT REAR SILL Z 14473
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19,1994 ERRATA 1

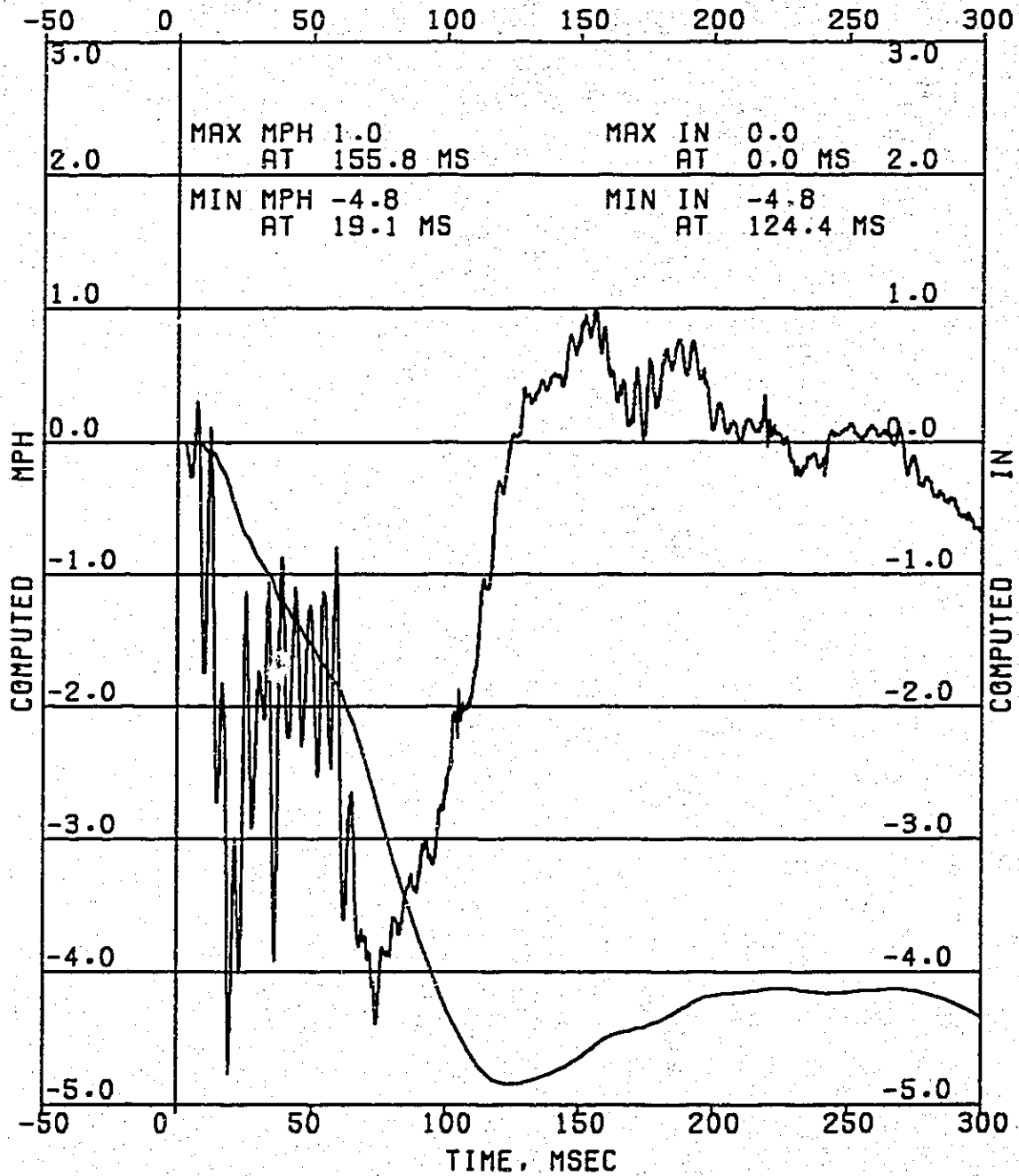


VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 006 RIGHT REAR SILL Z 14473

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

IMPACT ANALYSIS DEPT. 5320
DEC 19, 1994

DATA SET 12/12/94BJ
ERRATA 1



EA12-005-Chrysler-000845

COMPUTED MPH

VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.

CHANNEL 007 LT RR SPRG HNG FT X 14319

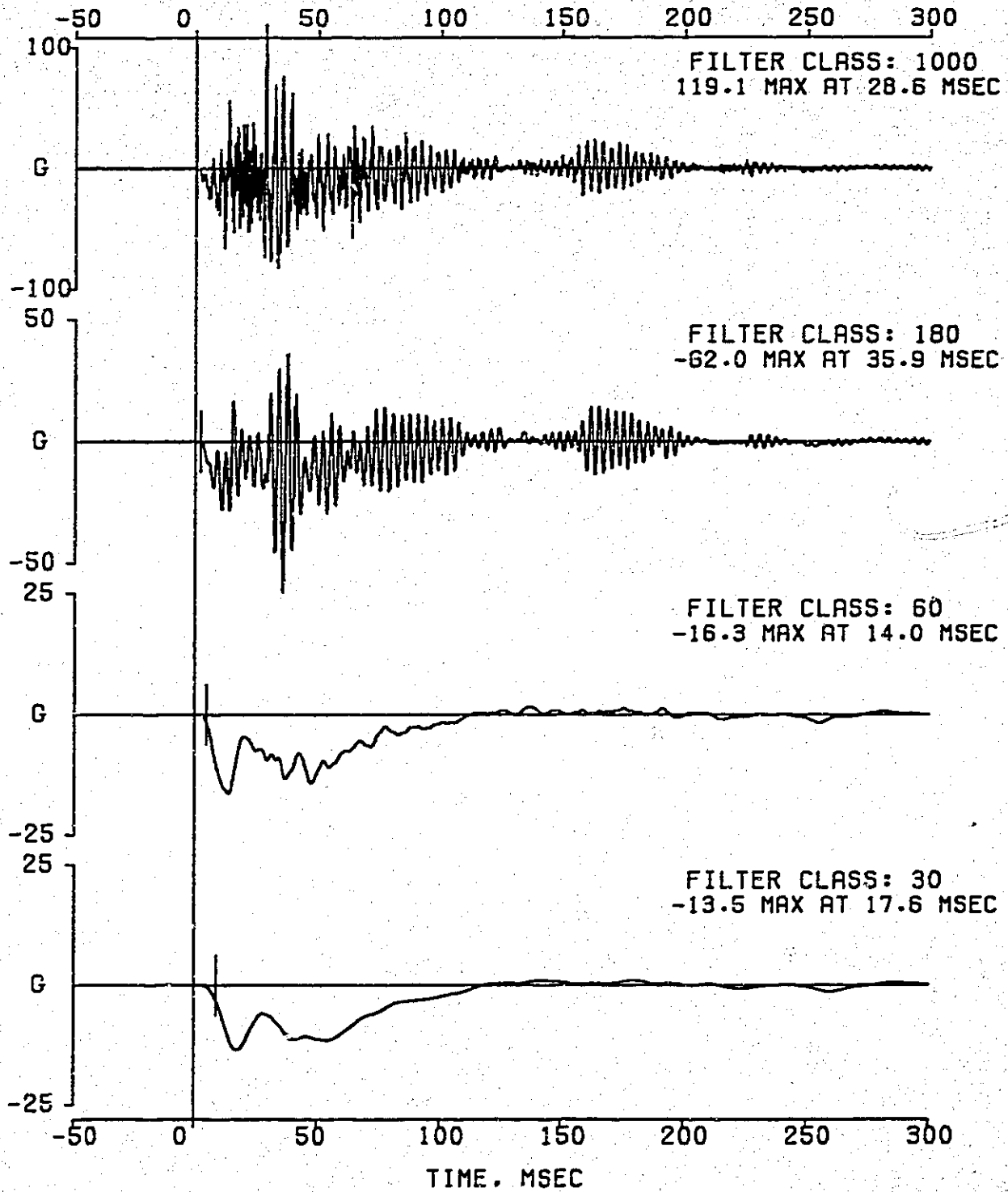
FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 12/12/94BJ

DEC 19, 1994

ERRATA 1

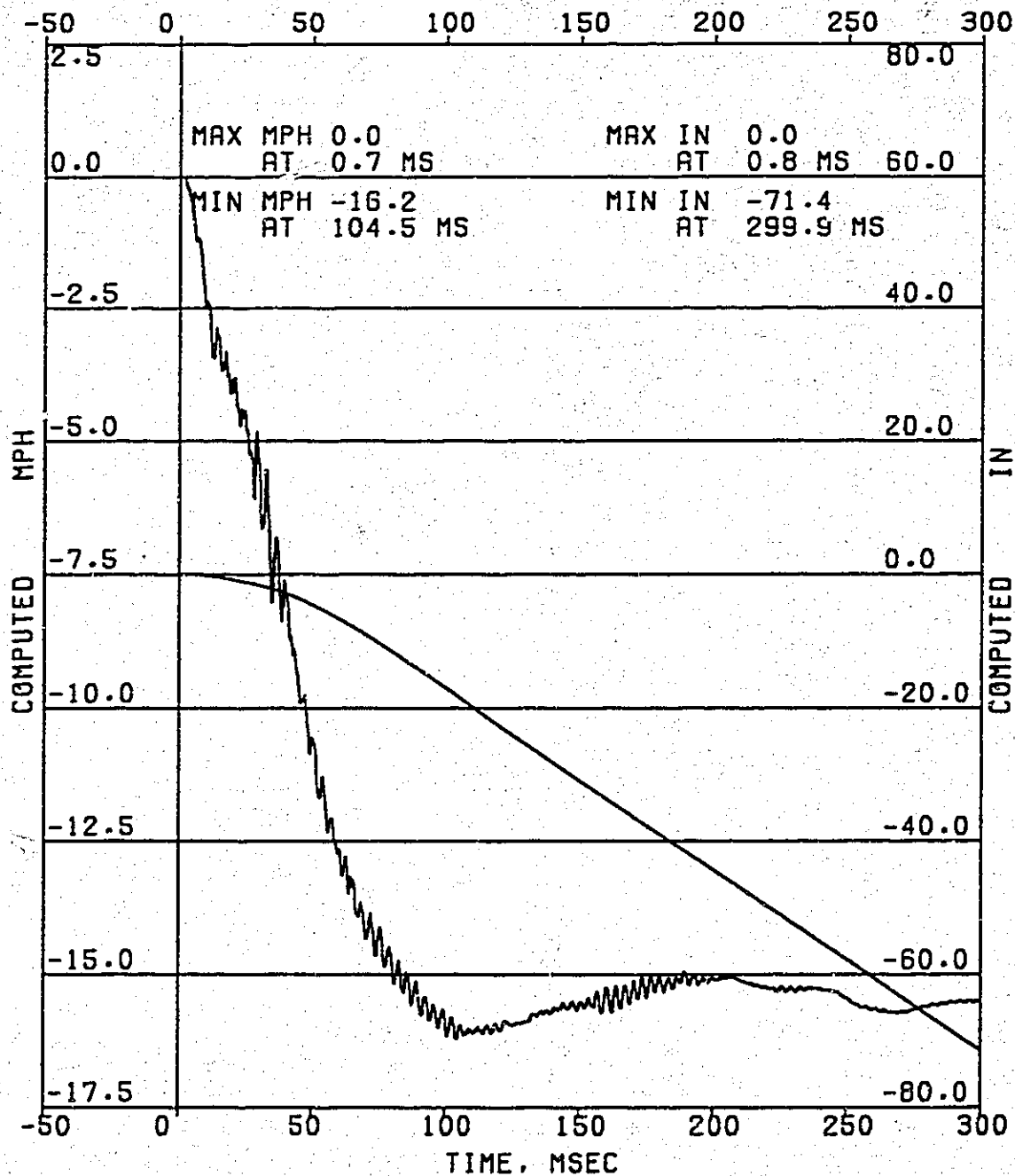


VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 007 LT RR SPRG HNG FT X 14319

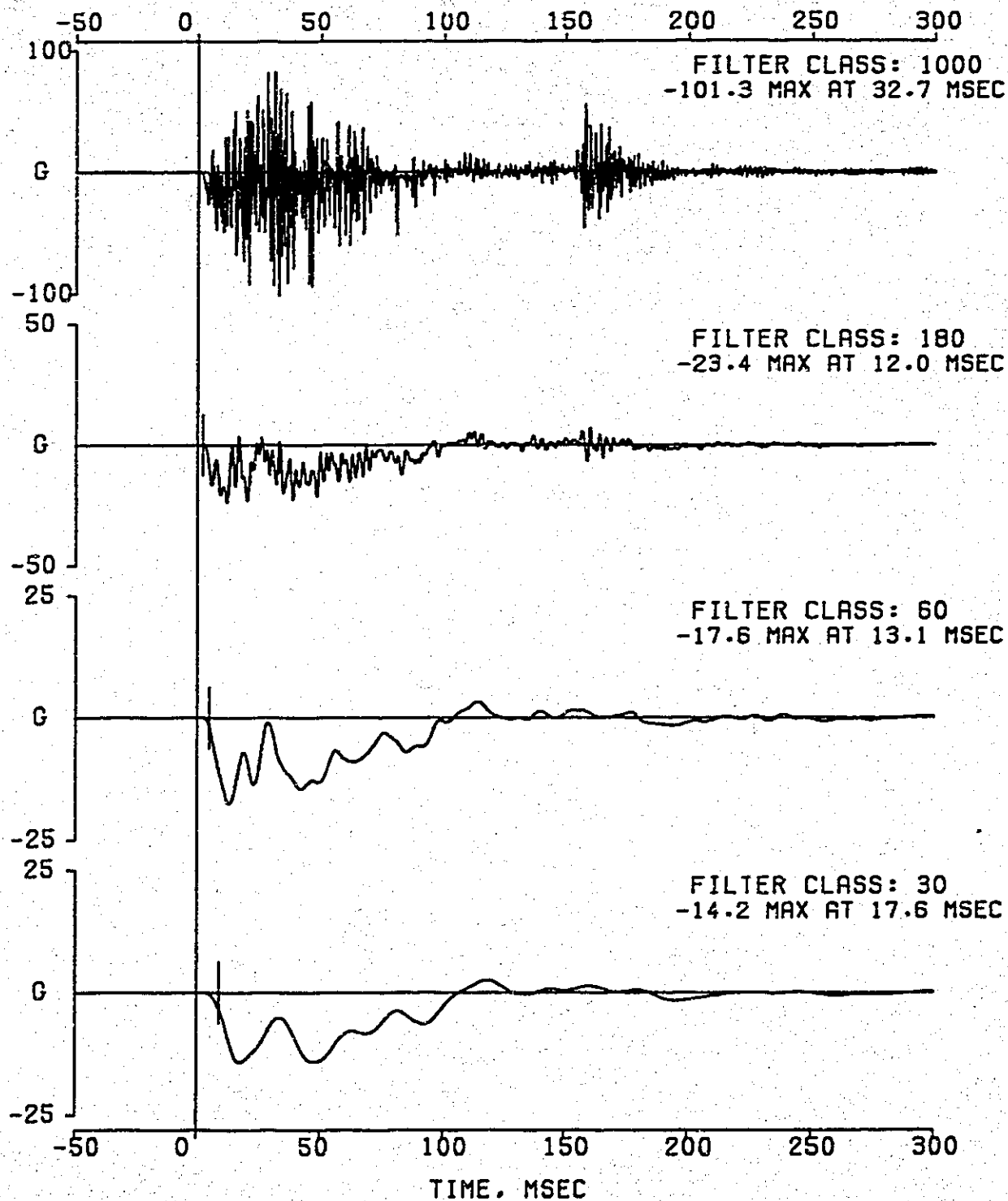
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 DEC 19, 1994

DATA SET 12/12/94BJ
 ERRATA 1



VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 008 RT RR SPRG HNG FT X 14541
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19,1994 ERRATA 1

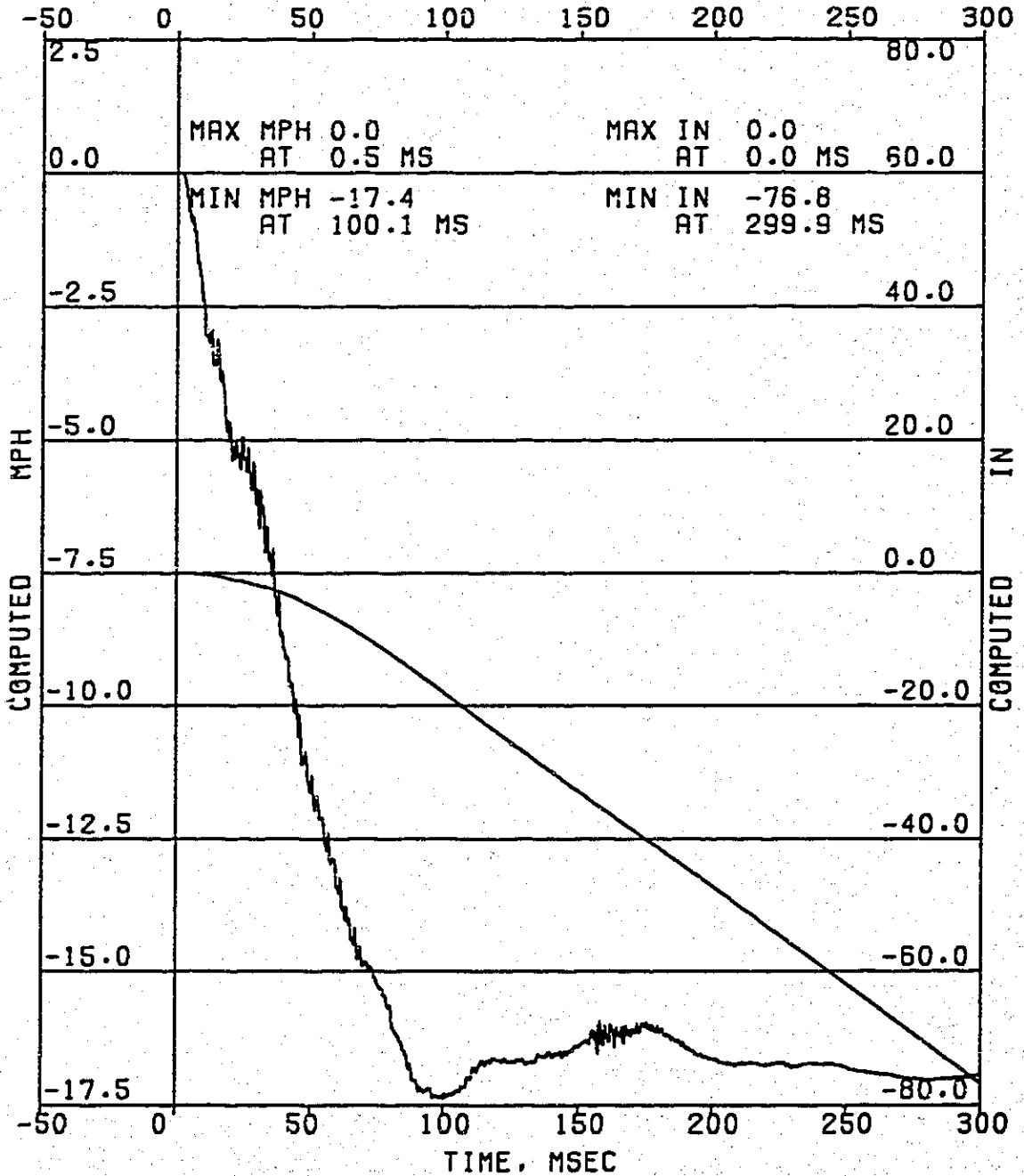


VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 008 RT RR SPRG HNG FT X 14541

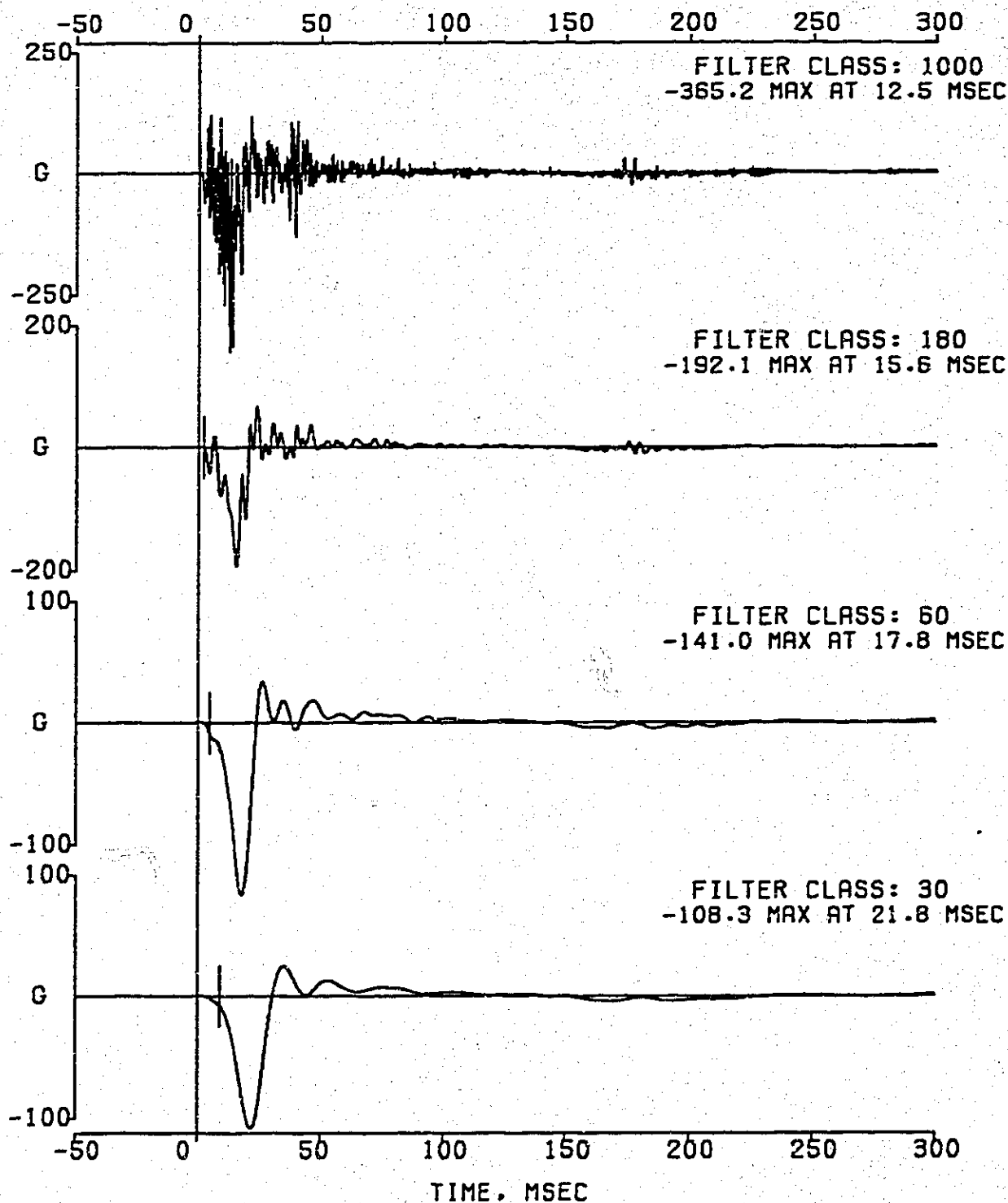
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 DEC 19, 1994

DATA SET 12/12/94BJ
 ERRATA 1



VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 009 LT REAR RAIL MID TANK X 14385
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19,1994 ERRATA 1

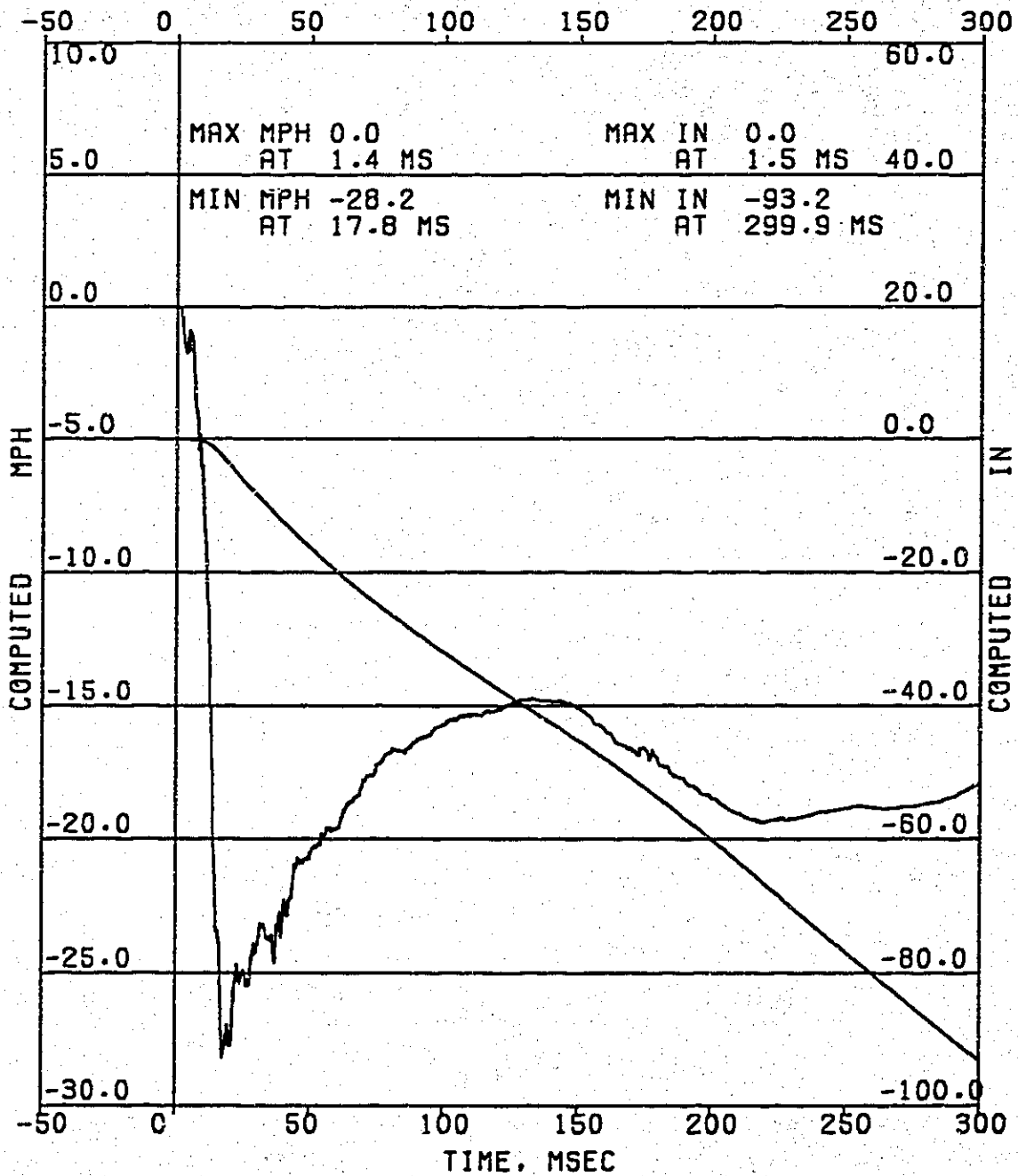


VC05309 30 MPH RR IMPACT, XJJ74. 4-0L RESTRIKE ITEM XJ6870R
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 009 LT REAR RAIL MID TANK X 14385

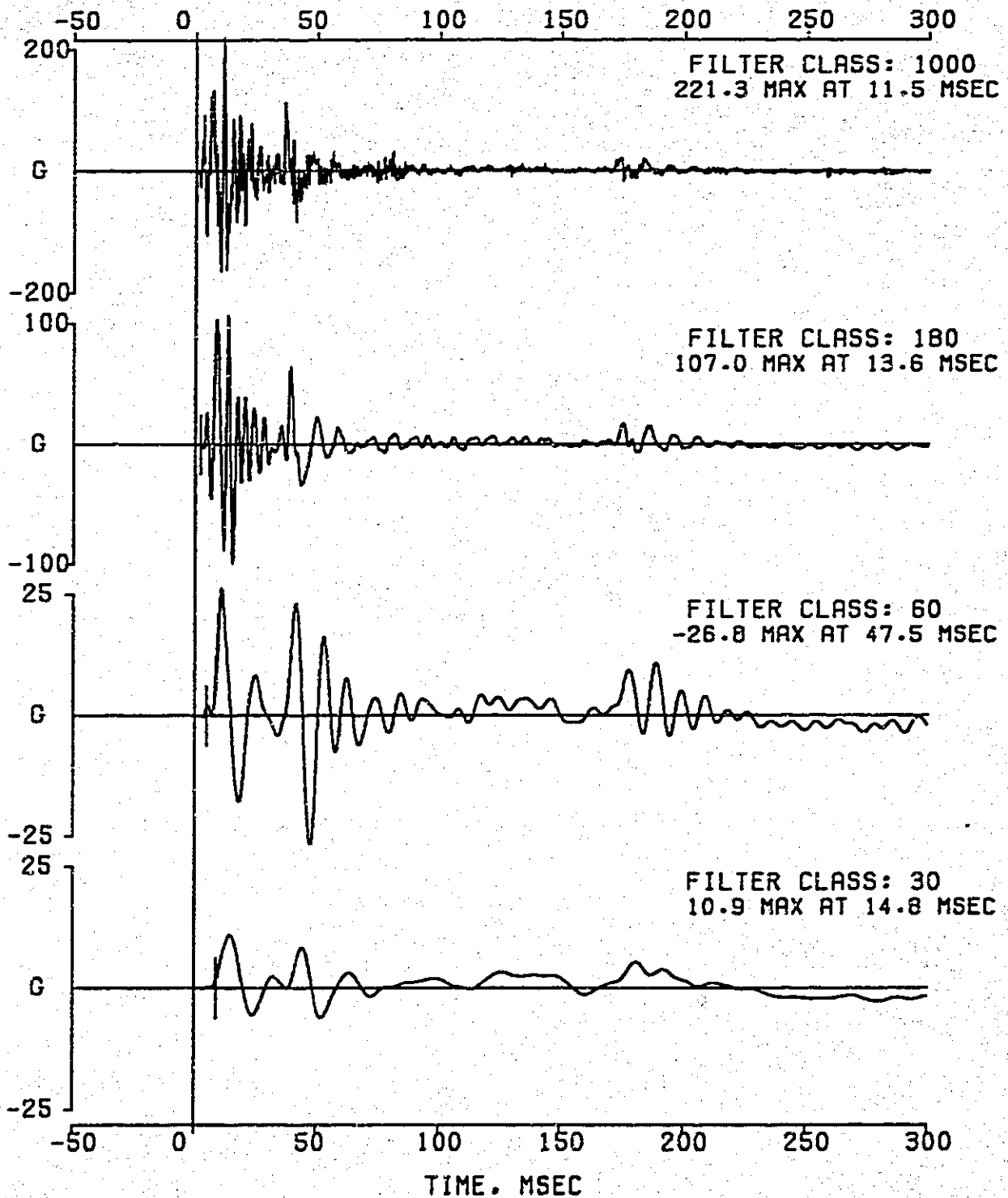
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 DEC 19, 1994

DATA SET 12/12/94BJ
 ERRATA 1



VC05309 30 MPH RR IMPACT. XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 010 LT REAR RAIL MID TANK Z 80459
FILTER TYPE: QBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19,1994 ERRATA 1

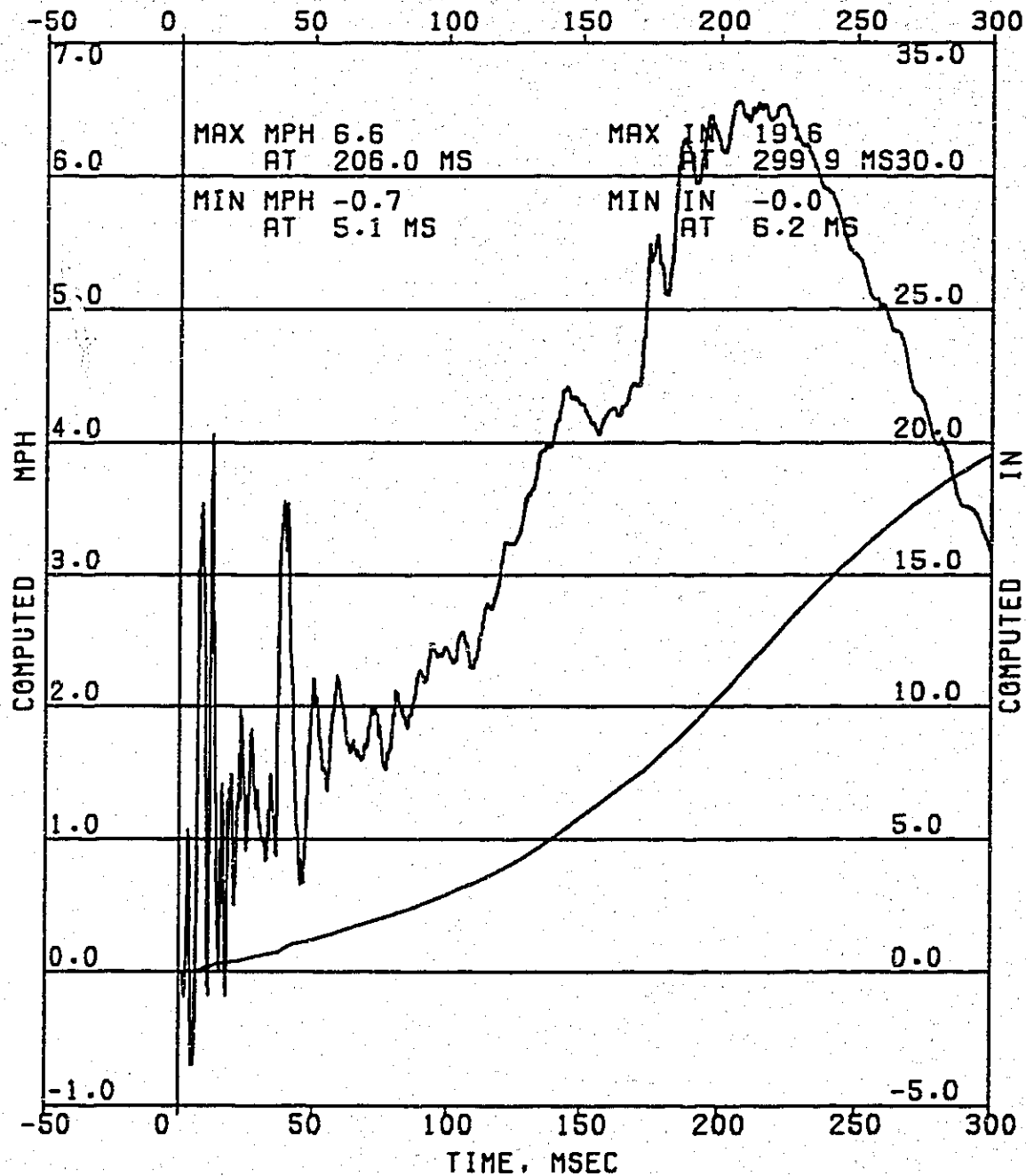


VC05309 30 MPH RR IMPACT, XJJ74. 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 010 LT REAR RAIL MID TANK Z 80459

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

IMPACT ANALYSIS DEPT. 5320
DEC 19.1994

DATA SET 12/12/94BJ
ERRATA 1



VC05309 30 MPH RR IMPACT. XJJ74. 4-OL RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.

CHANNEL 011 RT REAR RAIL MID TANK X 510072

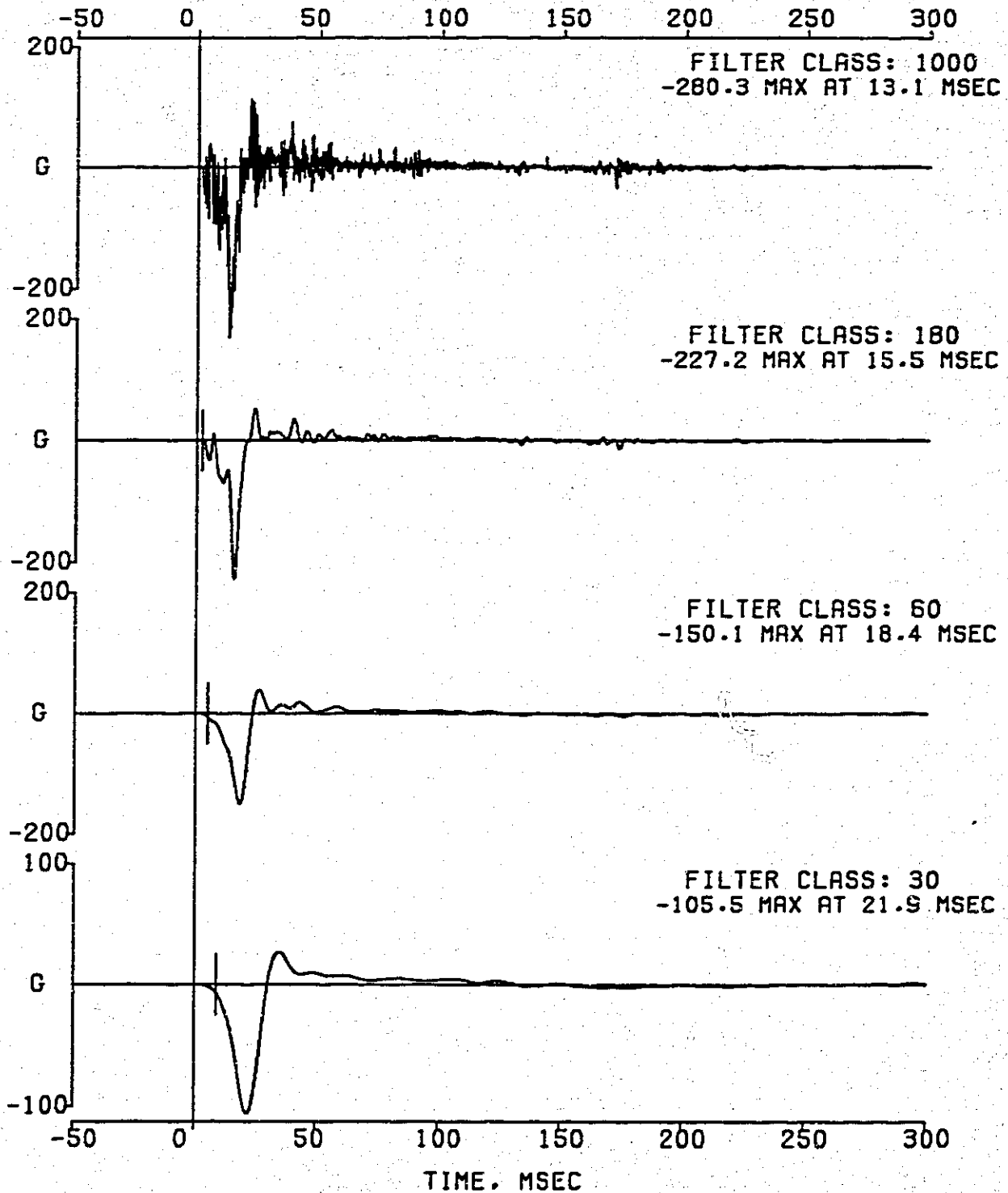
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 12/12/94BJ

DEC 19, 1994

ERRATA 1

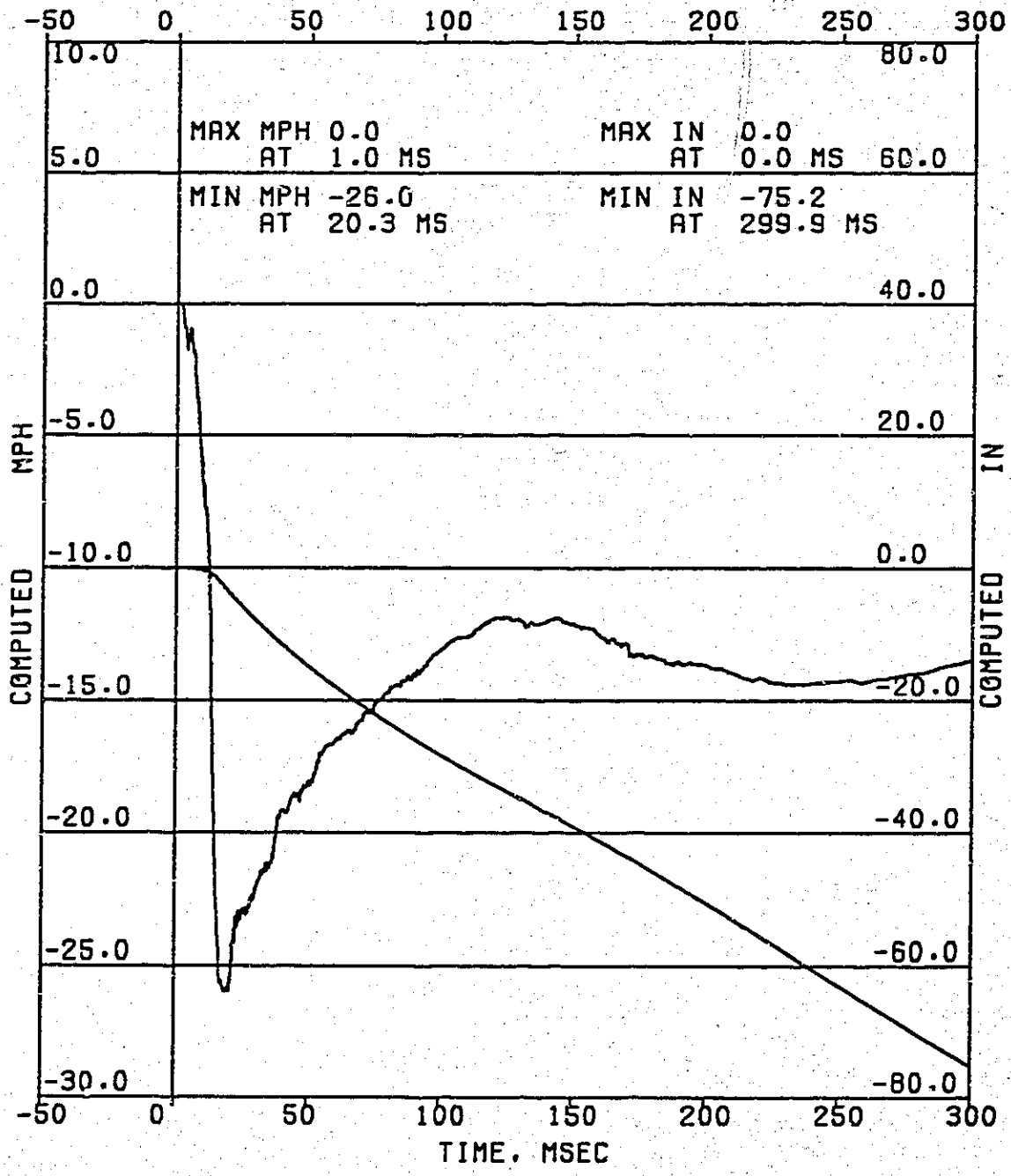


VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
 1997 DEVELOPMENT - MVSS 301-
 CHANNEL 011 RT REAR RAIL MID TANK X 510072

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

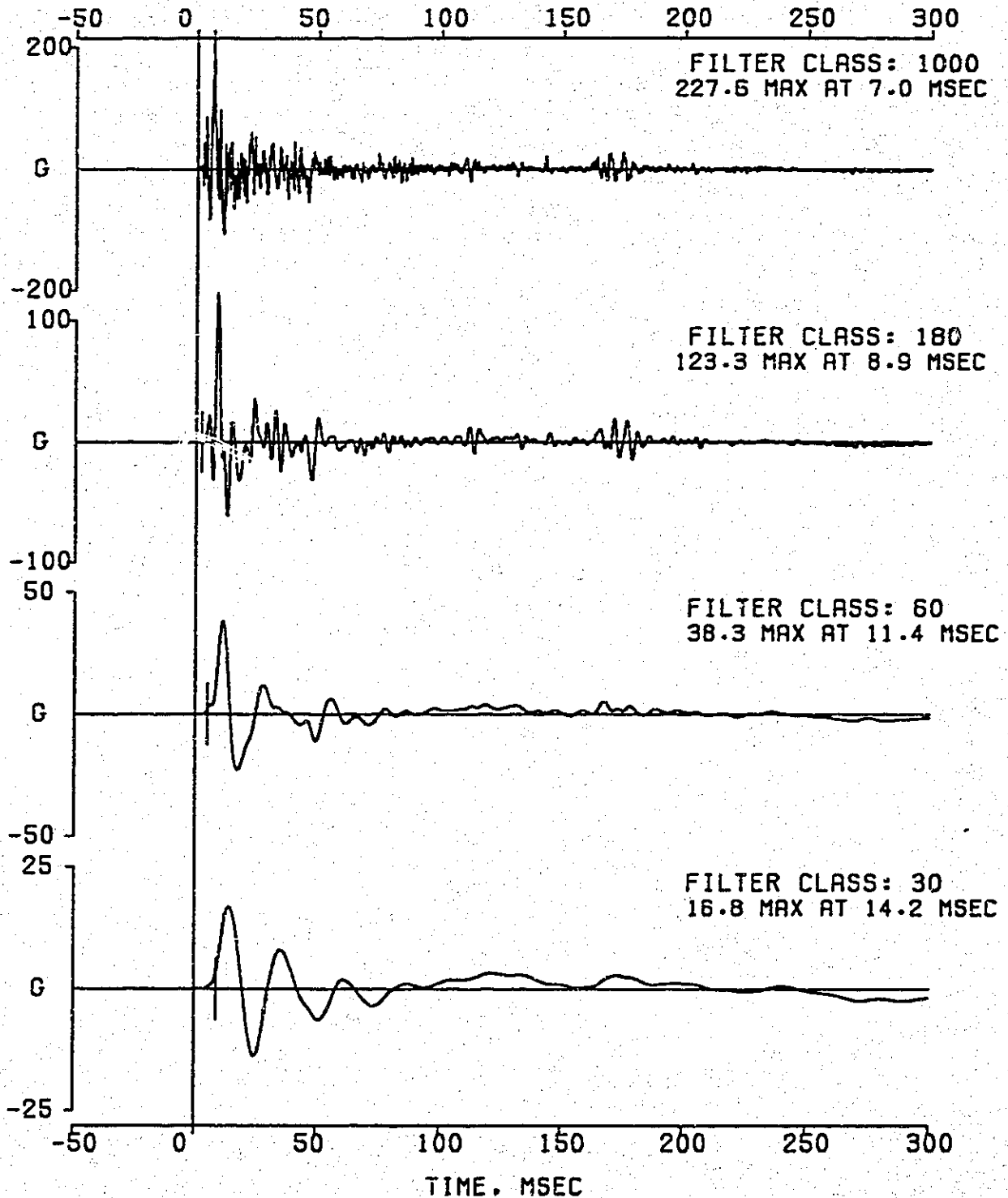
IMPACT ANALYSIS DEPT. 5320
 DEC 19, 1994

DATA SET 12/12/94BJ
 ERRATA 1



COMPUTED MPH

VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 012 RT REAR RAIL MID TANK Z 510084
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19,1994 ERRATA 1

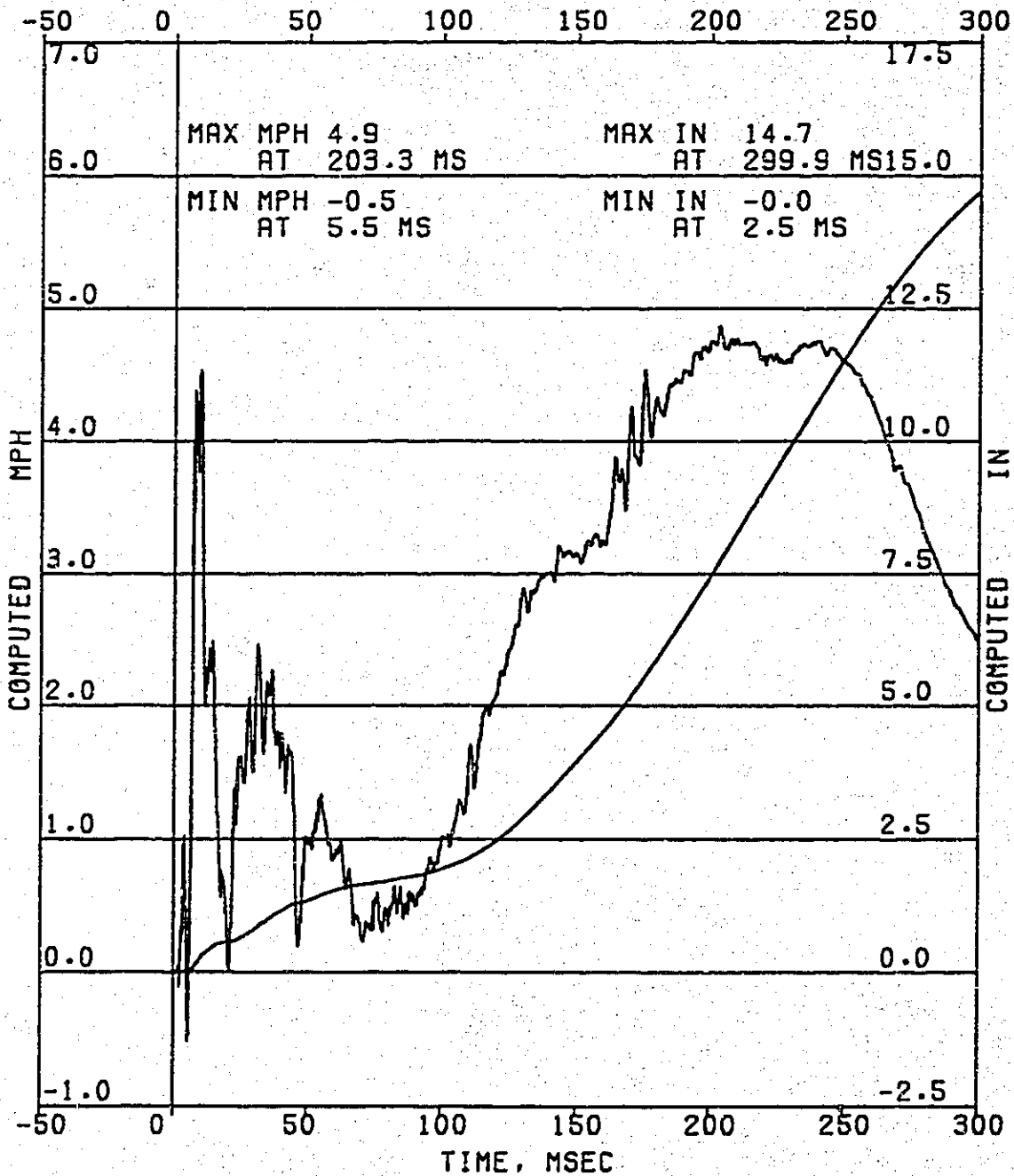


VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 012 RT REAR RAIL MID TANK Z 510084

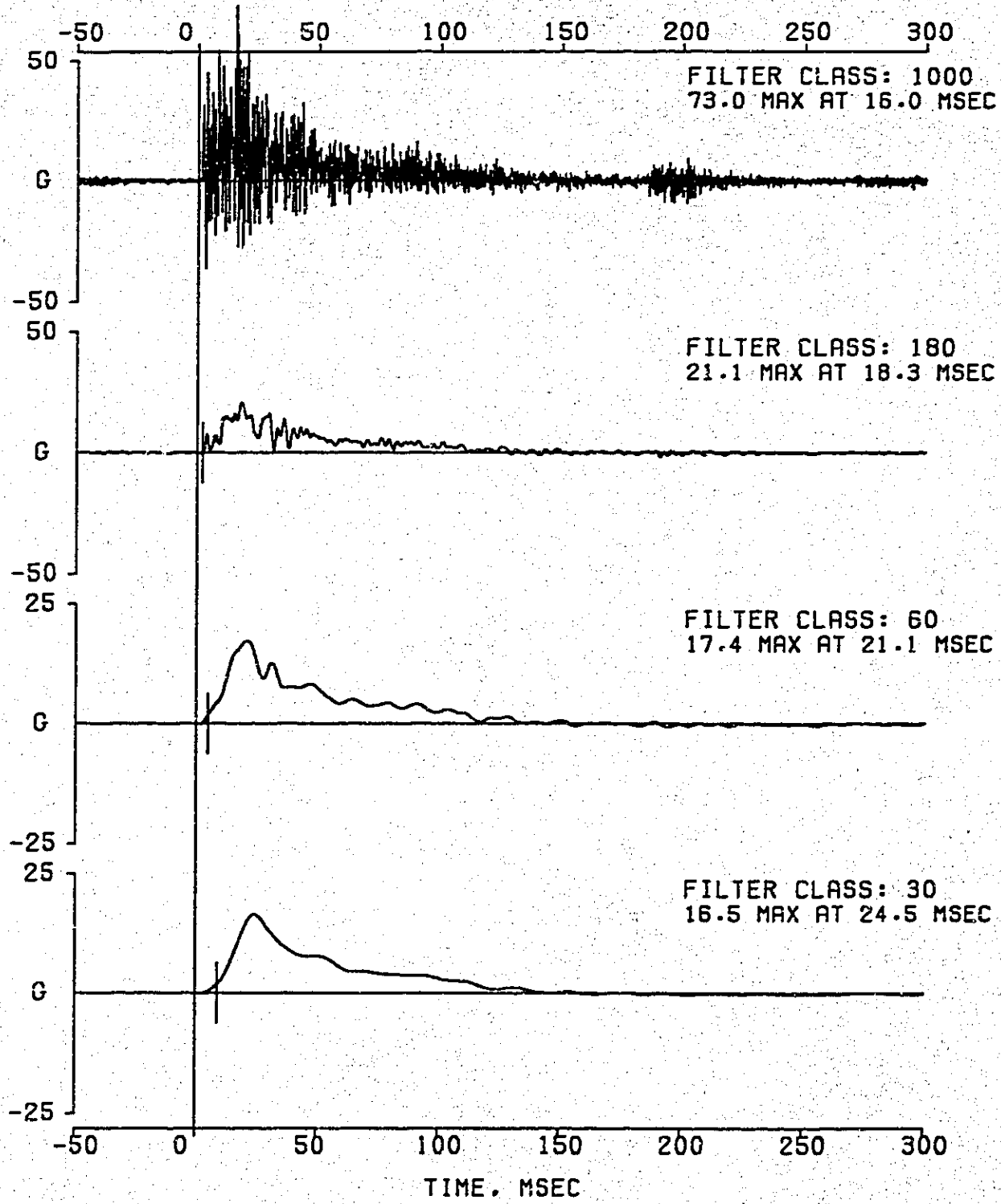
FILTER TYPE: ABDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
DEC 19, 1994

DATA SET 12/12/94BJ
ERRATA 1



VC05309 30 MPH RR IMPACT, XJJ74, 4-OL RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 013 LT RAIL MBR MID X 277234
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19,1994 ERRATA 1

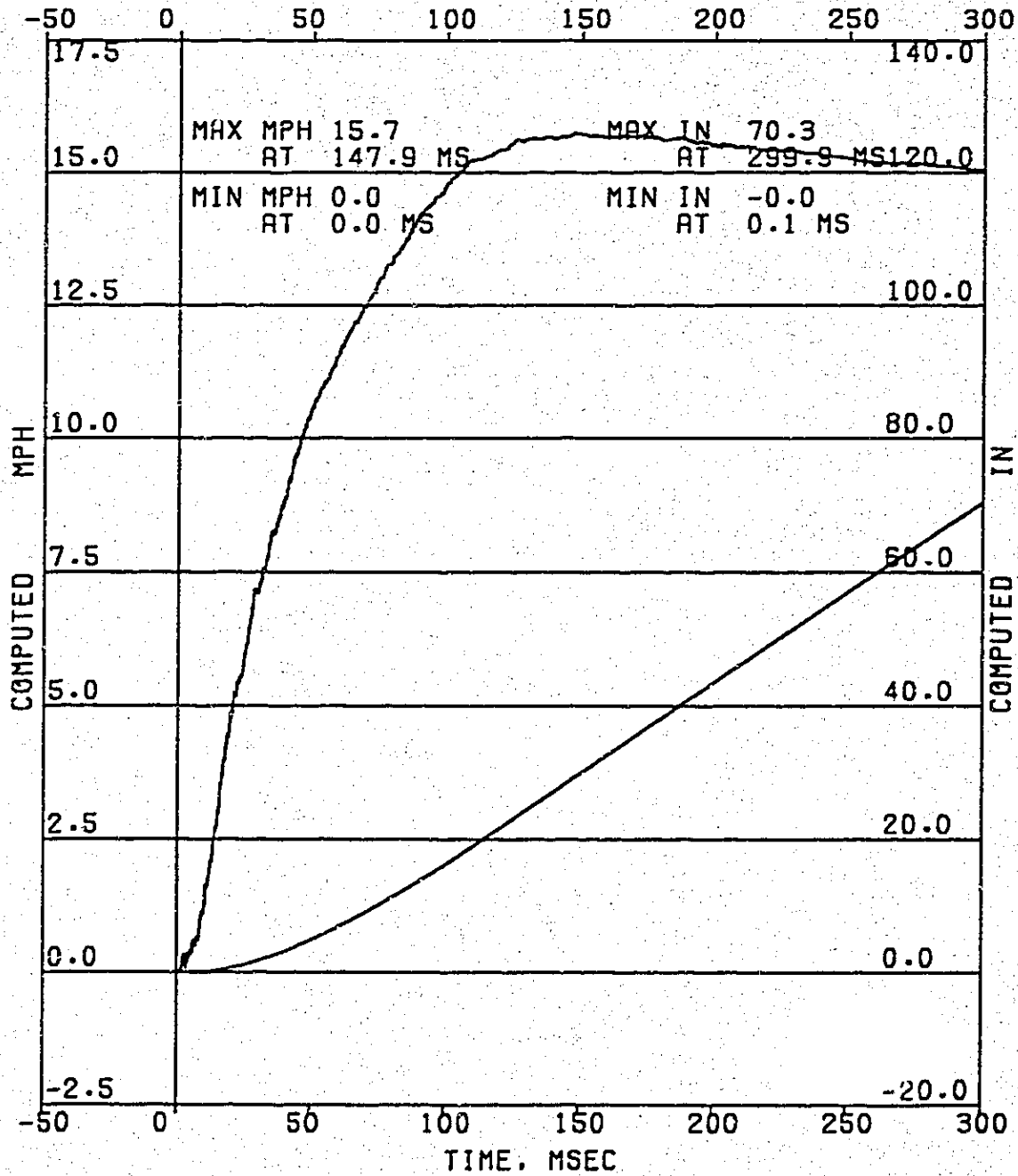


VC05309 30 MPH RR IMPACT, XJJ74. 4.0L RESTRIKE ITEM XJ6870R
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 013 LT RAIL MBR MID X 277234

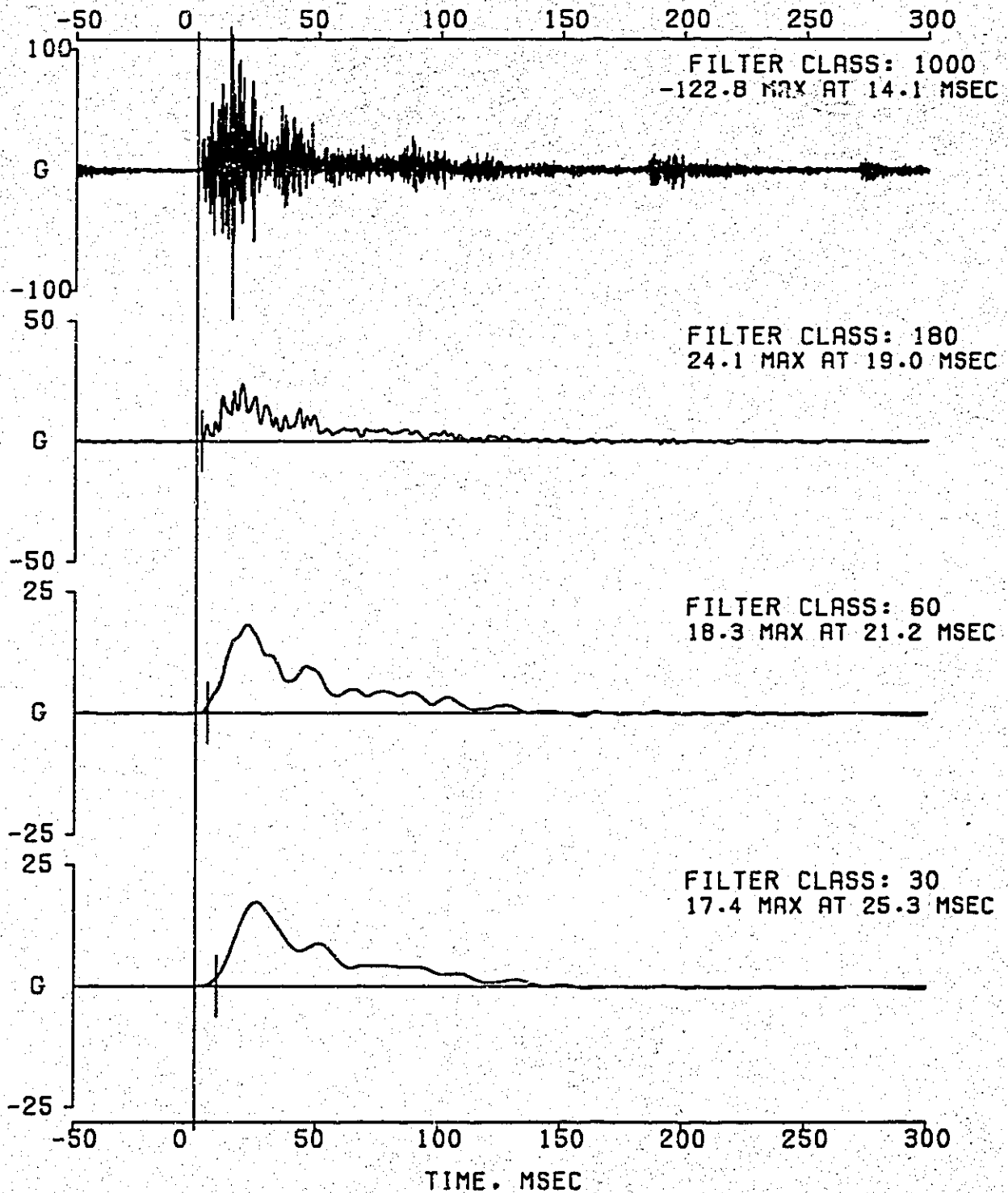
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 DEC 19, 1994

DATA SET 12/12/94BJ
 ERRATA 1



VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 014 RT RAIL MBR MID X 311287
FILTER TYPE: GBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19.1994 ERRATA 1

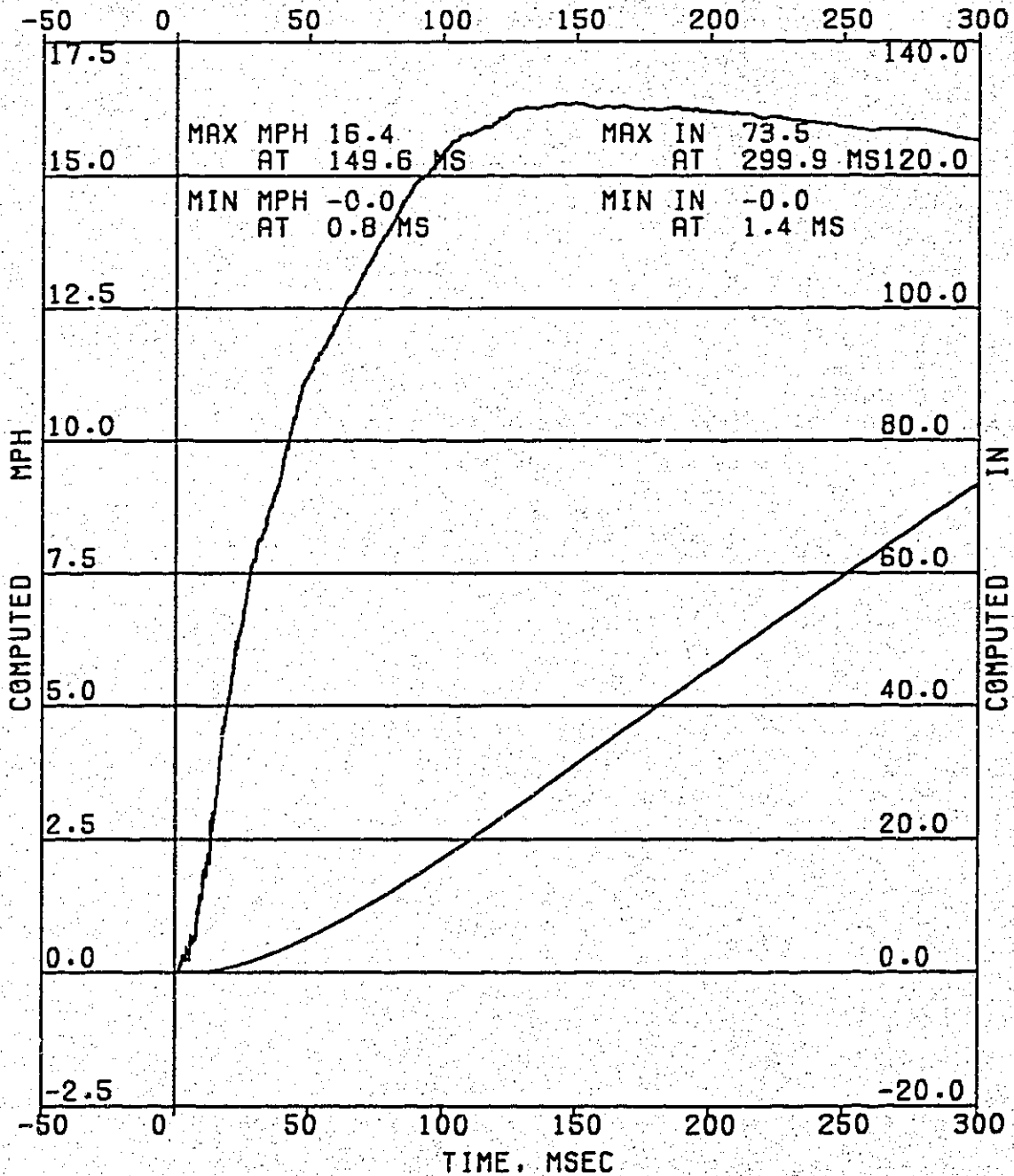


VC05309 30 MPH RR IMPACT, XJJ74, 4.0L RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.
CHANNEL 014 RT RAIL MBRK MID X 311287

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

IMPACT ANALYSIS DEPT. 5320
DEC 19.1994

DATA SET 12/12/94BJ
ERRATA 1



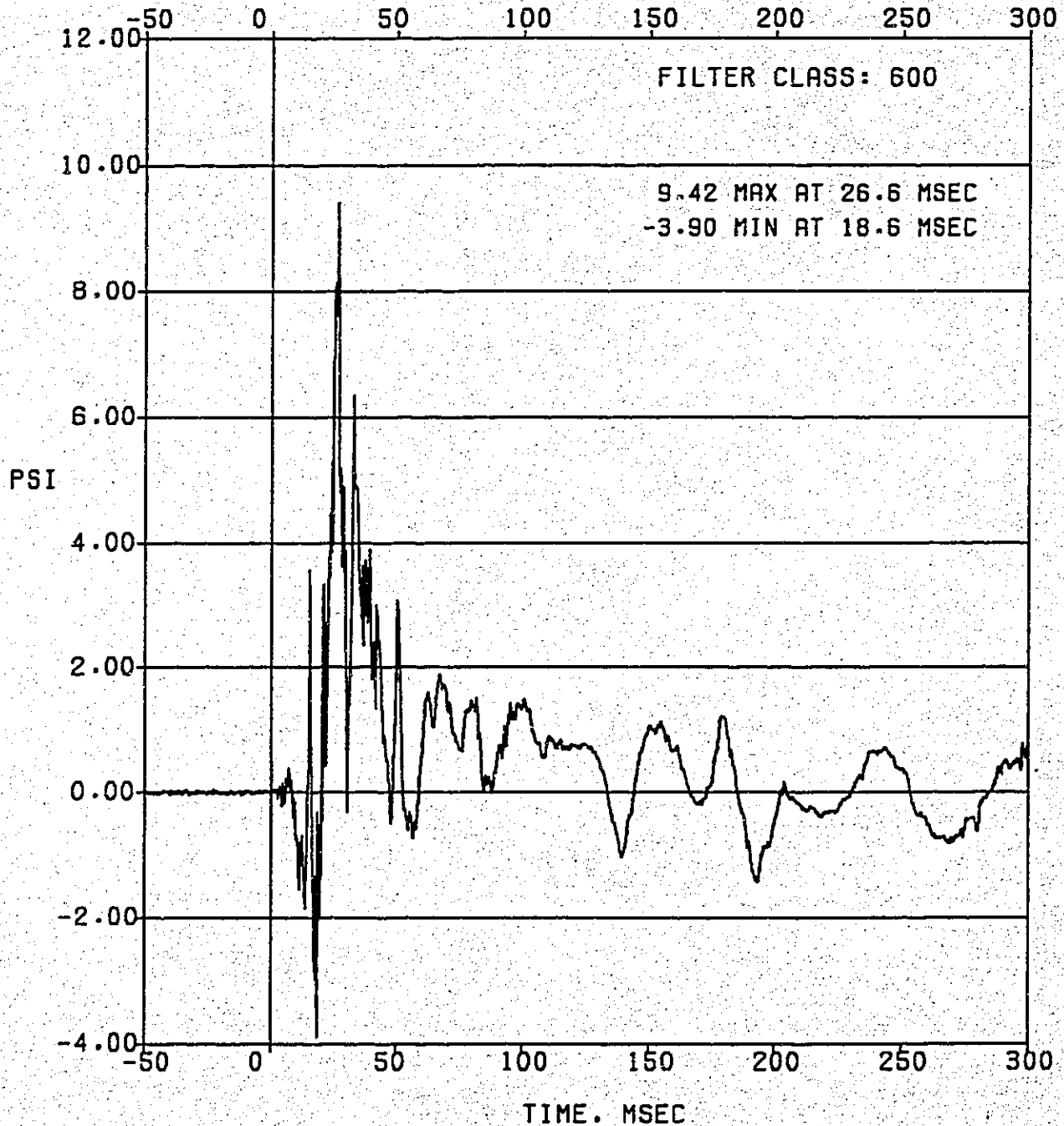
COMPUTED MPH

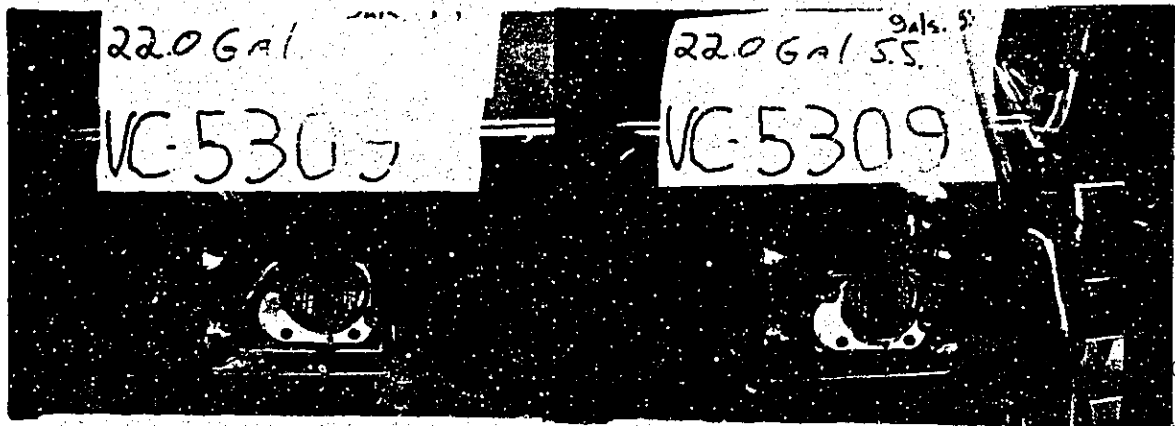
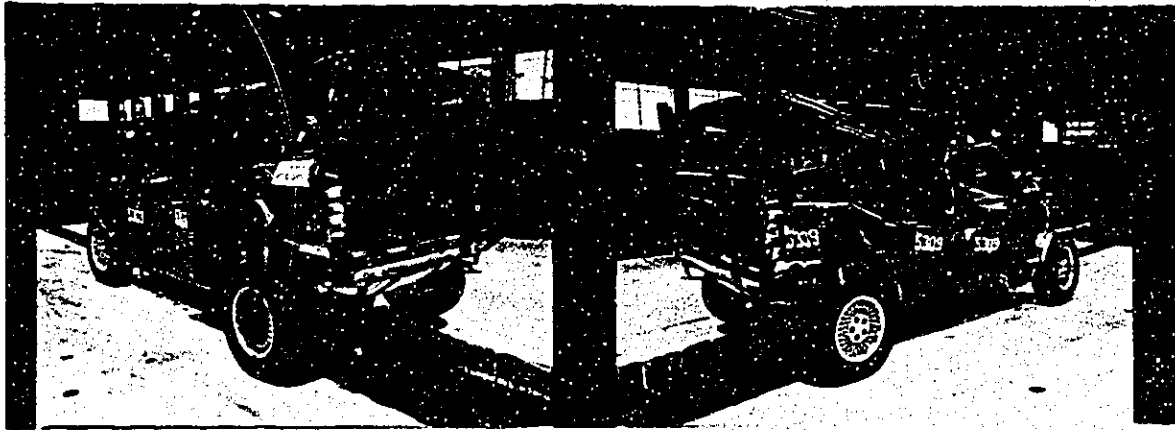
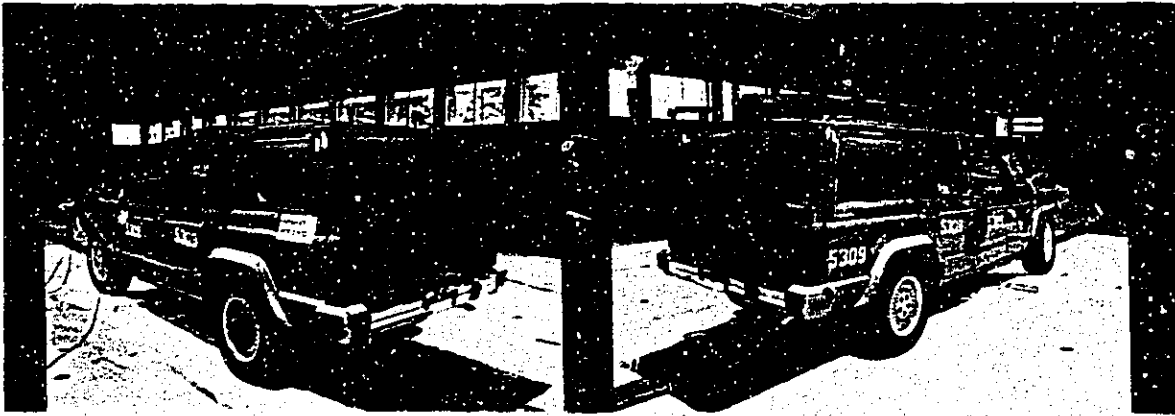
VC05309 30 MPH RR IMPACT, XJJ74, 4-OL RESTRIKE ITEM XJ6870R
1997 DEVELOPMENT - MVSS 301.

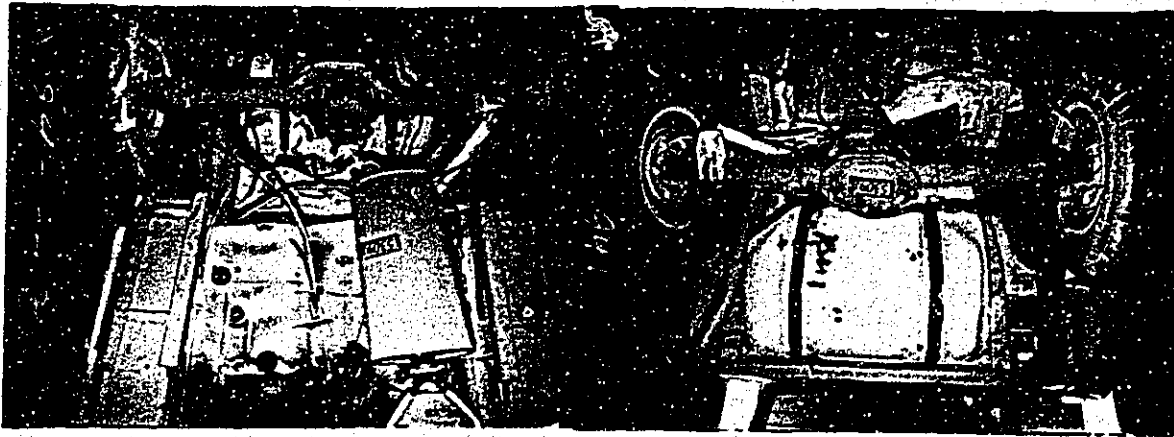
CHANNEL 015 FUEL TANK PRESS

35706 P

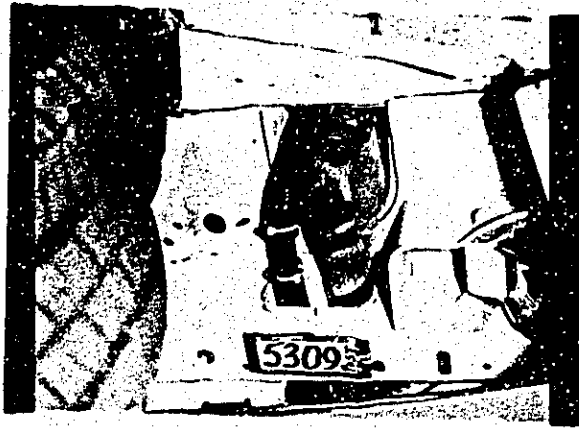
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 600 FILTER(1000)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/12/94BJ
DEC 19, 1994 ERRATA 1







8-28-88
9405



EA12-005
CHRYSLER
12-13-2012
Enclosure 6B
301 Developmental Crash
Tests Public
XJ Development Crash Test
vc-5383_01 Public



Image Source Inc.

801 Front Street
Toledo, Ohio 43605
419/697/1111
Fax: 419/697/1267

IMAGE & INFORMATION MGT.

DECLARATION OF INTENT AND PURPOSE

I Jennifer Hark,
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 4/8/97
Microfilming Operator Jennifer Hark
Location 801 Front St.

EA12-005-Chrysler-000866

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
TEST DATE 02/20/95

TEST PURPOSE PRIMARY, 1997 USA 301 DEVELOPMENT.
OBSERVE AND DETERMINE FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED; 30.2 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD
DIRECTION; 0 DEGREES

VEHICLE BODY CLASS; XJ
CAR LINE; T
BODY; 74
ENGINE; 4.0 LITRE
ENGINE NOTE; MPI
TRANSMISSION; 4 SPEED AUTO
TRANS. NOTE;
VIN AS TESTED; 1J4FJ68S?VL [REDACTED] MOD.
VIN AS BUILT; 1J4FJ68S9RL [REDACTED] MOD.

TEST SPEED 30.2 MPH - TRAP TIMER

TEST WEIGHT (LBS) 4273 TOTAL, 2323 FRONT, 1950 REAR

OCCUPANTS RIGHT FRONT, HYBRID II, BALLAST. AD-53
RESTRAINT-BELTS ONLY.
LEFT FRONT, HYBRID II, BALLAST. AD-63
RESTRAINT-BELTS ONLY.

BUILD CONDITION



SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
TEST DATE 02/20/95

TARGET WEIGHT (LBS) 3627 TOTAL, 2001 FRONT, 1626 REAR REP MAX OPT. WT.
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 22 GALLONS STODDARD.
300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.
100 LBS SECURED TO FRONT FOOTWELLS.
120 LBS SECURED TO REAR FOOTWELLS.

POST TEST REMARKS NO FUEL LEAKAGE DURING IMPACT, NOR DURING THE
SUBSEQUENT 30 MINUTES. NO LEAKAGE DURING
STATIC ROLLOVER.

SPARE TIRE DETACHED DURING IMPACT.

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

DISTRIBUTION W.A. BREITMOSER 422-05-01 (AB)
 D.J. MCKENZIE 422-05-01 (AB)
 J.B. ESTFS 514-15-58 (AB)

DATE 02/22/95 TIME 12.13.12.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

ITEM 7XJ225 CHARGE NO. DISCOVER ISSUE DATE 1/31/94

VC 5383 30 MPH REAR IMPACT, XJJ74, 4.0L
1997 DEVELOPMENT - MVSS 301.

TEST DATE

2, 30, 1995
SPEED 30.2 MPH

ENGINEER

MANNEY

SOURCE

TRAF

TEST PURPOSE

PRIMARY, 1997 USA 301 DEVELOPMENT.
OBSERVE AND DETERMINE FUEL SYSTEM INTEGRITY.

IMPACT TYPE

TARGET SPEED; 30.2 MPH
DAMAGE LOCATION; REAR
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD
DIRECTION; 0 DEGREES

VEHICLE

BODY CLASS; XJ
CAR LINE; J
BODY; 74
ENGINE; 4.0 LITRE
ENGINE NOTE; MPI
TRANSMISSION; 4 SPEED AUTO 4X4
TRANS. NOTE;
VIN AS TESTED; 1J4FJ68S?VL [REDACTED] MOD.
VIN AS BUILT; 1J4FJ68S9RL [REDACTED] MOD.

BUILD CONDITION



TARGET WEIGHT (LBS) 3627 TOTAL, 2001 FRONT, 1626 REAR REP MAX OPT. WT.
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

TEST WEIGHT (LBS)

4273 TOTAL, 2323 FRONT, 1950 REAR

POST TEST REMARKS

SPARE TIRE DETACHED DURING IMPACT

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

FUEL BALLAST 22 GALLONS STODDARD.

LUGGAGE BALLAST 300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.

OTHER BALLAST 100 LBS SECURED TO FRONT FOOTWELLS
120 LBS SECURED TO REAR FOOTWELLS

OCCUPANTS RIGHT FRONT, HYBRID II, BALLAST. AD NO 53
RESTRAINT-BELTS ONLY.
LEFT FRONT, HYBRID II, BALLAST. AD NO 63
RESTRAINT-BELTS ONLY.

MECHANICAL REQ PLACE SEATS IN MID TRACK POSITION.
PRESSURE CHECK PRE-TEST, ROLL OVER POST-TEST.
PAINT REAR STRUCTURE AND FUEL TANK FOR CONTRAST.
RUN FUEL PUMP PRE TEST TO VERIFY CONNECTIONS.
INSTALL MINI-SPARE AND SAFETY STRAP.

INSTRUMENTATION REQ SEE 3RD SHEET NO.107 FOR ACCELEROMETER REQUIRE-
MENTS AND LOCATIONS.
HYBRID II BALLAST ATD LEFT AND RIGHT SIDE.
BI-AXIAL ACCELEROMETER ON FUEL TANK LEADING EDGE.
PRESSURE TRANSDUCER ON FILL AND VENT TUBE.
PLACE TRANSDUCER AS CLOSE TO TANK AS POSSIBLE,
FOR ACCURATE READINGS.

PHOTOGRAPHIC REQ 1-LEFT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
AT IMPACT.
1-RIGHT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
AT IMPACT.
1-CATWALK CAMERA TO VIEW ENTIRE VEHICLE.
1-PIT CAMERA TO VIEW REAR STRUCTURE.
1-PIT CAMERA CLOSE UP VIEW OF FUEL TANK AND
DIFFERENTIAL.
1-PANNING CAMERA.

FILM ANALYSIS VEHICLE VELOCITY ONLY IF REQUESTED.

REMARKS TEST REQUESTOR: J. B. ESTES (T.L. 733-2519).
MAKE 1 FILM AND 1 VIDEO COPY & SEND TO:
J.B. ESTES CIMS 514-15-58.
SHIP VEHICLE TO JTE POST TEST.

TEST ENGINEER REPORT TEST ENGINEER REPORT FOR FUEL SYSTEM REQUIRED.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

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	

DISTRIBUTION

W.A. BREITMOSER	422-05-01	(AB)
D.J. MCKENZIE	422-05-01	(AB)
J.B. ESTES	514-15-58	(AB)

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

*****CHANGED 01/31/95 AT 11.03.31.

SUPPLEMENT NO. 01

OCCUPANTS

ADD LEFT FRONT, HYBRID II, BALLAST.
ADD RESTRAINT-BELTS ONLY.

AD NO _____

INSTRUMENTATION REQ

ADD BI-AXIAL ACCELEROMETER ON FUEL TANK LEADING EDGE.
ADD PRESSURE TRANSDUCER ON FILL AND VENT TUBE.
ADD PLACE TRANSDUCER AS CLOSE TO TANK AS POSSIBLE,
ADD FOR ACCURATE READINGS.

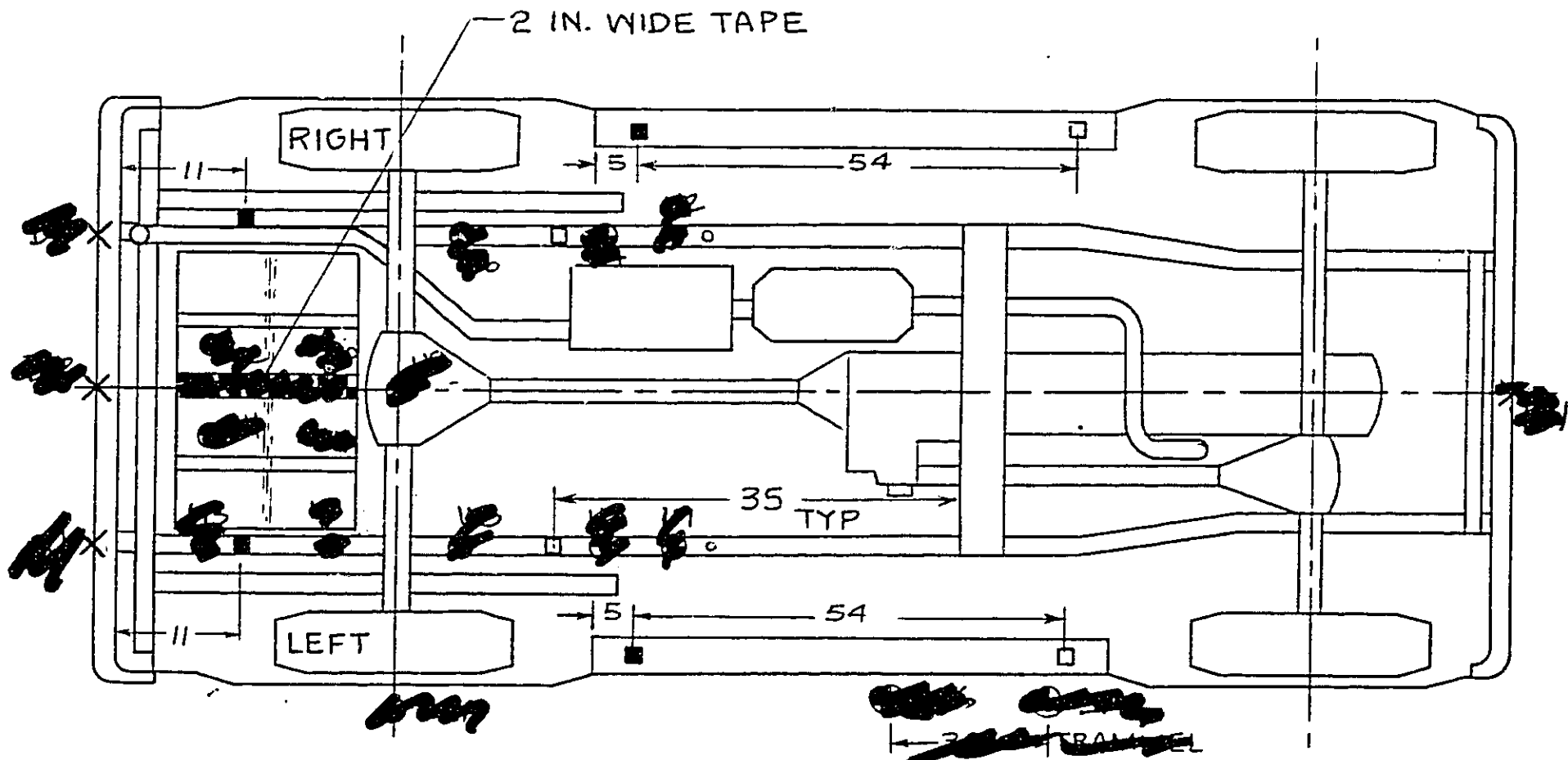
REMARKS

MODIFY SHIP VEHICLE TO JTE POST TEST, ATTEN: C. CORNEAU.
TO READ SHIP VEHICLE TO JTE POST TEST.

THIRD SHEET 102, ITEM 7XT225, VC 5383
 JEEP CHEROKEE 4x4
 TARGET AND ACCELEROMETER LOCATIONS
 FOR REAR IMPACTS

ZENONS REQD ON ROOF

ELEC FUEL PUMP TO BE
 RUNNING DURING IMPACT



TARGETS

LEGEND

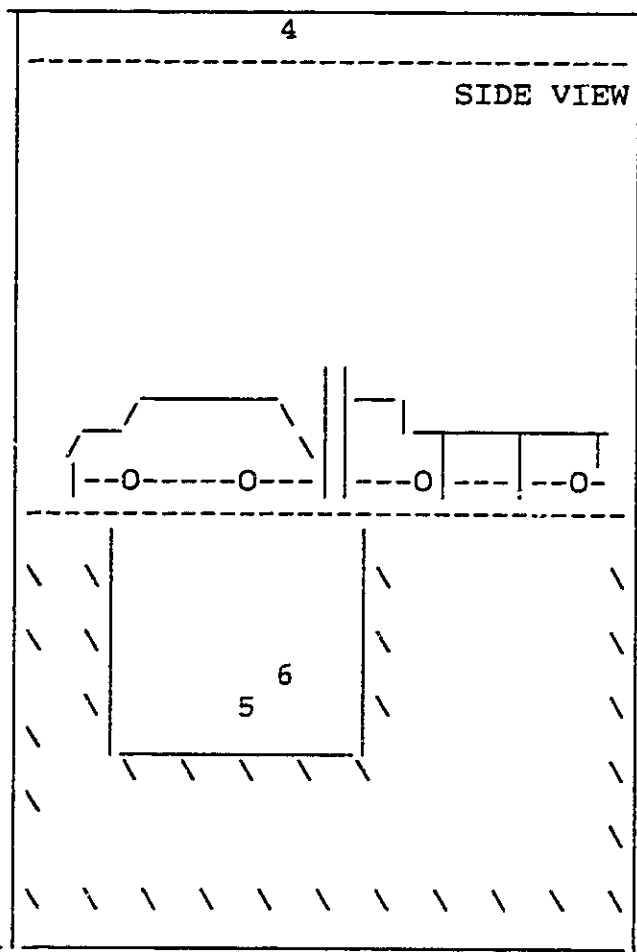
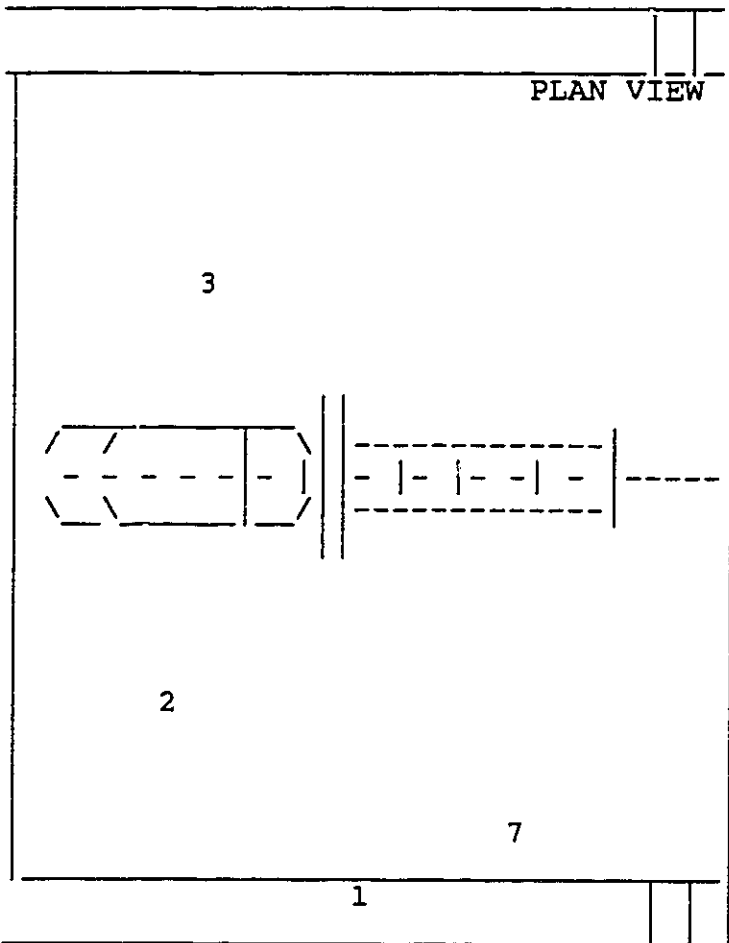
ACCELEROM-
 ETTERS

X PUNCH POINT
 O UNDERBODY
 O SIDE VIEW

□ SINGLE AXIS, X
 ■ BIAXIAL, X & Z

NOTES -

1. PRE AND POST DIMENSIONS ARE REQUIRED PER BREITMOSER LETTER OF 01-04-88
2. NUMBERS ASSIGNED TO EACH TARGET ARE PERMANENT.
3. TARGETS MAY BE DELETED BY NUMBER PER TR.
4. ADDITIONAL TARGETS MAY BE REQUESTED BY TR.
5. LOCATIONS SHOWN ARE APPROX TO ± 0.5 IN. ACTUAL MEASUREMENT TO ± 0.1 INCH.



TEST NUMBER VC5383 TEST TYPE: 30 MPH TYPE IV MOVING BARRIER REAR IMPACT
 TEST ENGINEER MANNEY REQUEST DATE :2/10/95 VEHICLE BODY CLASS : XJ

#	VIEW DESCRIPTION A=ANALYSIS	CAM S/N	LENS F.L.	LENS S/N	LENS MFG.	F- STOP	PNL	SKT	CBL	CAM MFG
1	PANNING									
2	LT. OVERALL	283	18mm	107230	KIN					
3	RIGHT OVERALL	287	18mm	107231						
4	CATWALK OVERALL	432	18mm	107233						
5	PIT OVERALL	429	13mm	22790	LOS					
6	PIT F/TANK & SURROUNDINGS	433	200M	953	SCHNEIDER					
7	A-VELOCITY	287	100mm	D73427	WJOL					

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC5383, ITEM NUMBER 7XJ225 , TEST ENGINEER MANNEY
 V.I.N. 1J4FJ68S?VL [REDACTED], TEST DATE 2/20/95, ROLL DATE 2/22/95
 TEST TYPE; 30 MPH FRONT FLAT FIXED BARRIER IMPACT
 FUEL; TYPE AND QJANTITY - .767 S.G. STODDARD SCLVENT, 22.0 GALLONS
 TEST SPEED 30.2 MPH, TEST WEIGHT 4273 POUNDS.
 POST TEST FUEL SYSTEM OBSERVATIONS OK

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

STATIC ROLL LEAKAGE WITH VEHICLE _____ SIDE DOWN FIRST

		FUEL LEAKAGE LOCATIONS DURING STATIC ROLL				TOTAL	
ROLL TIME							
0-90	1ST 5 MIN					0	*
<u>2:04</u>	POST 5 MIN					0	**
90-180	1ST 5 MIN					0	*
<u>2:04</u>	POST 5 MIN					0	**
180-270	1ST 5 MIN					0	*
<u>2:05</u>	POST 5 MIN					0	**
270-360	1ST 5 MIN					0	*
<u>2:00</u>	POST 5 MIN					0	**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

LAST FORM MODIFICATION 5/27/93 - GAB

VC05383

ELECTRONIC TRANSDUCER DATA

TEST DATE:
02/20/95

ITEM NO: 7XJ225

IMPACT ANALYSIS
DEPARTMENT 5320
CODE EDP

VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.

TEST PURPOSE PRIMARY, 1997 USA 301 DEVELOPMENT.
OBSERVE AND DETERMINE FUEL SYSTEM INTEGRITY.

IMPACT TYPE TARGET SPEED: 30.2 MPH
DAMAGE LOCATION: REAR
BARRIER TYPE: REAR TYPE IV
BARRIER SURFACE: PLYWOOD
DIRECTION: 0 DEGREES

VEHICLE BODY CLASS: XJ
CAR LINE: T
BODY: 74
ENGINE: 4.0 LITRE
ENGINE NOTE: MPI
TRANSMISSION: 4 SPEED AUTO
TRANS. NOTE:
VIN AS TESTED: 1J4FJ68S7VL [REDACTED] MBD.
VIN AS BUILT: 1J4FJ68S9RL [REDACTED] MBD.

TEST SPEED 30.2 MPH - TRAP TIMER

TEST WEIGHT (LBS) 4273 TOTAL, 2323 FRONT, 1950 REAR

OCCUPANTS RIGHT FRONT, HYBRID II, BALLAST. AD-53
RESTRAINT-BELTS ONLY.
LEFT FRONT, HYBRID II, BALLAST. AD-63
RESTRAINT-BELTS ONLY.

BUILD CONDITION



TARGET WEIGHT (LBS) 3627 TOTAL, 2001 FRONT, 1626 REAR REP MAX OPT. WT.
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 22 GALLONS STODDARD.
300 LBS OF LUGGAGE BALLAST SECURED IN CARGO AREA.
100 LBS SECURED TO FRONT FOOTWELLS.
120 LBS SECURED TO REAR FOOTWELLS.

POST TEST REMARKS NO FUEL LEAKAGE DURING IMPACT, NOR DURING THE
SUBSEQUENT 30 MINUTES. NO LEAKAGE DURING
STATIC ROLLOVER.

SPARE TIRE DETACHED DURING IMPACT.

ELECTRONIC TRANSDUCER DATA

VC05383

TEST DATE: 02/20/95

S. MARCHENIA

MICROFICHE INCLUDED - 39 GRAPHS

VC05383

ELECTRONIC TRANSDUCER DATA

TEST DATE:
02/20/95

ITEM NO 7XJ225

IMPACT ANALYSIS
DEPARTMENT 5320
CODE EDP

VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.

A MICROFICHE HAS BEEN PREPARED AND IS AVAILABLE UPON
REQUEST WITH THE GRAPHS AT COORDINATES AS FOLLOWS:

MICROFICHE INCLUDED - 39 GRAPHS

- A 4- 6 TRANSDUCER SUMMARY REPORT
- A 7- 8 AVERAGE OF SILLS
- B 1. 2 LEFT FRONT SILL X
- B 3. 4 RIGHT FRONT SILL X
- B 5. 6 LEFT REAR SILL X
- B 7. 8 LEFT REAR SILL Z
- B 9. 10 RIGHT REAR SILL X
- B 11. 12 RIGHT REAR SILL Z
- B 13. 14 LT RAIL REAR SPRG FT X
- C 1. 2 RT RAIL REAR SPRG FT X
- C 3. 4 RT REAR RAIL MID TANK X
- C 5. 6 RT REAR RAIL MID TANK Z
- C 7. 8 LT REAR RAIL MID TANK X
- C 9. 10 LT REAR RAIL MID TANK Z
- C 11 FUEL RET LINE PRESS
- C 12. 13 FUEL TANK LEADING EDGE X
- C 14 FUEL TANK LEADING EDGE Z
- D 1 FUEL TANK LEADING EDGE Z
- D 2. 3 LT RAIL MBAR MID X
- D 4. 5 RT RAIL MBAR MID X

- CC W. A. BREITMOSER 422-05-01
- J. B. ESTES 514-15-58
- D. J. MCKENZIE 422-05-01

S. MARCHENIA

ELECTRONIC TRANSDUCER DATA

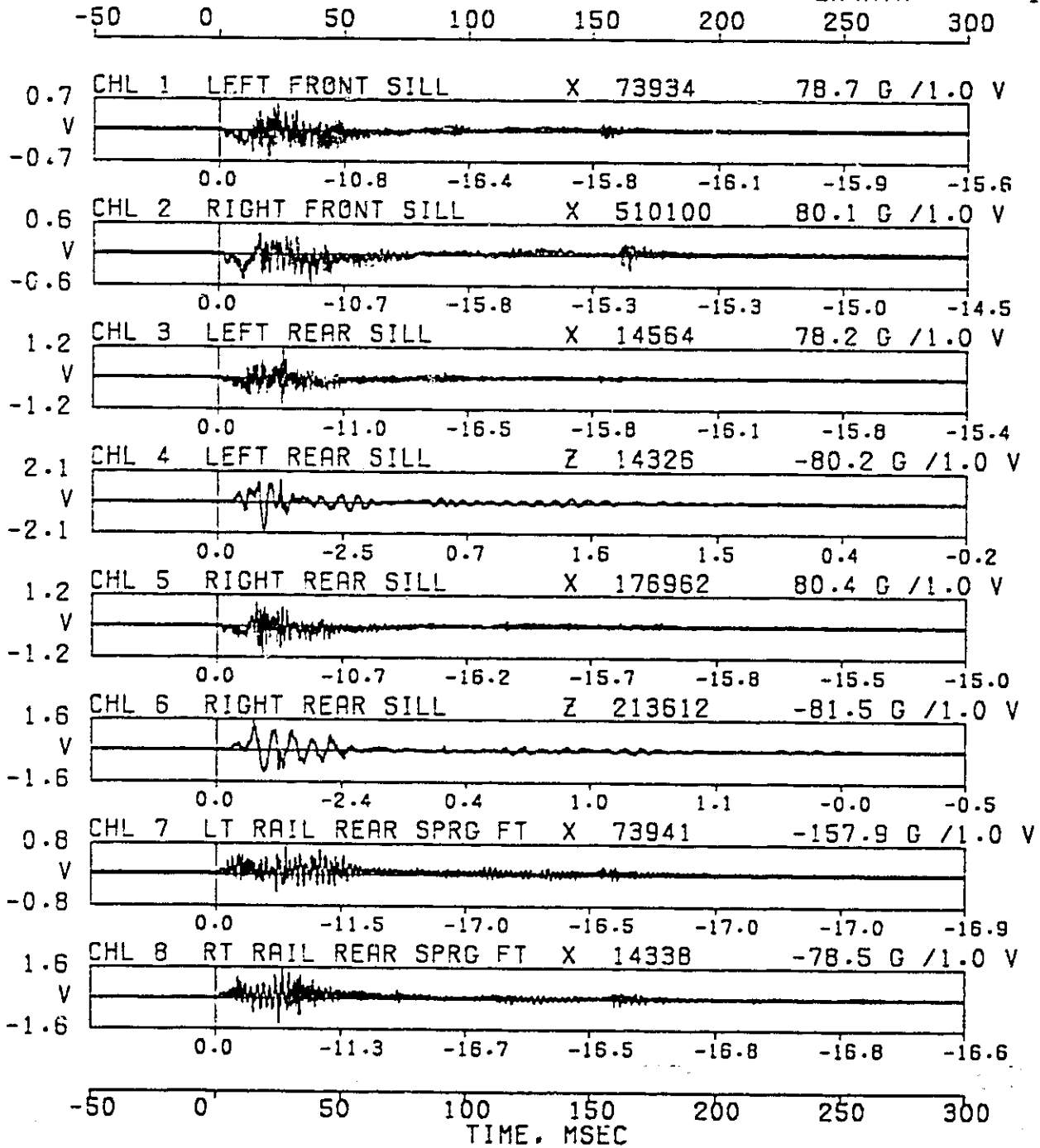
VC05383

TEST DATE: 02/20/95

TRANSDUCER SUMMARY REPORT

VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 IMPACT ANALYSIS DEPT. 5320
 FEB 23, 1995

DATA SET 02/20/95BK
 ERRATA 1



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

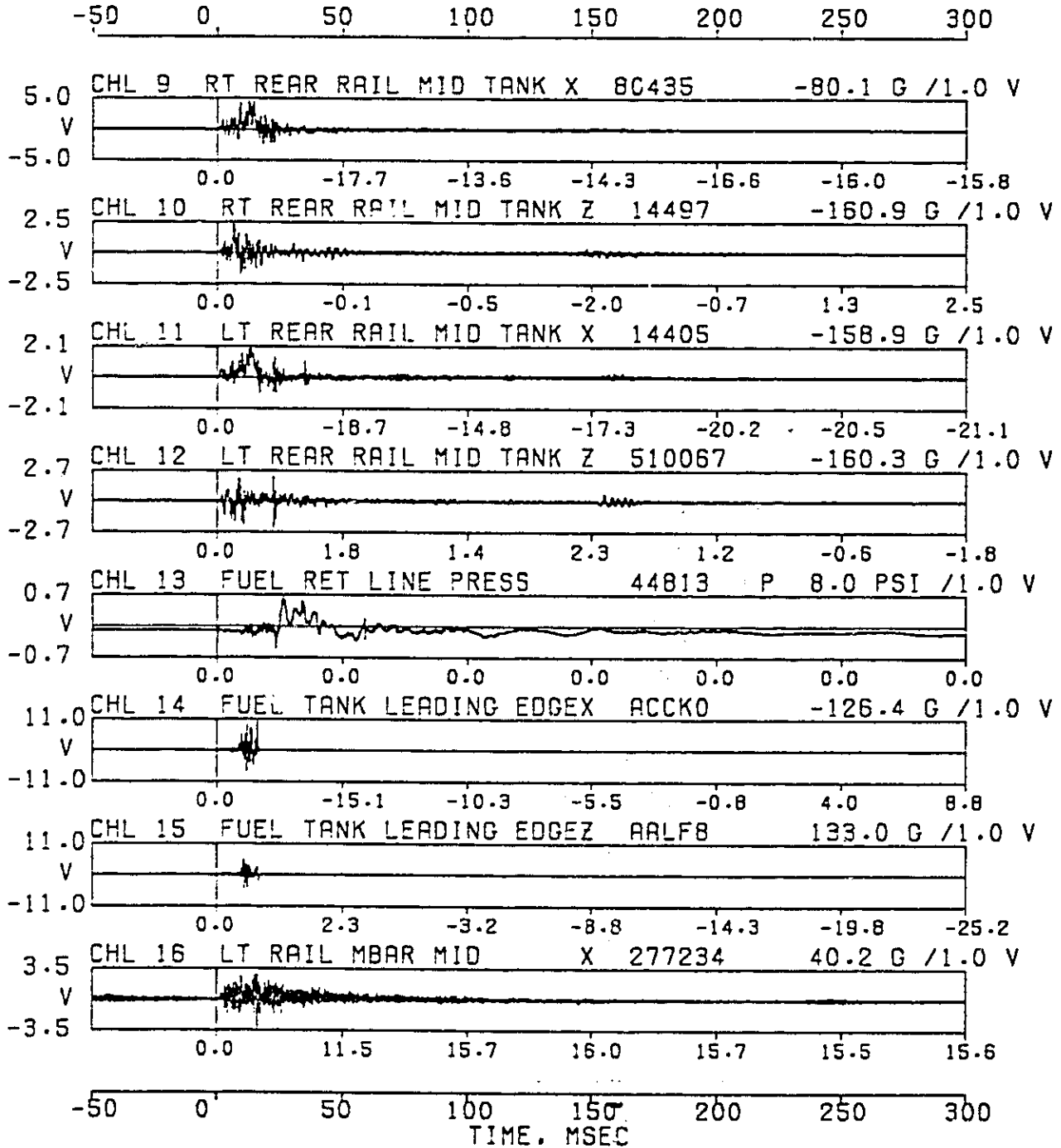
TRANSDUCER SUMMARY REPORT

VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23.1995

ERRATA 1

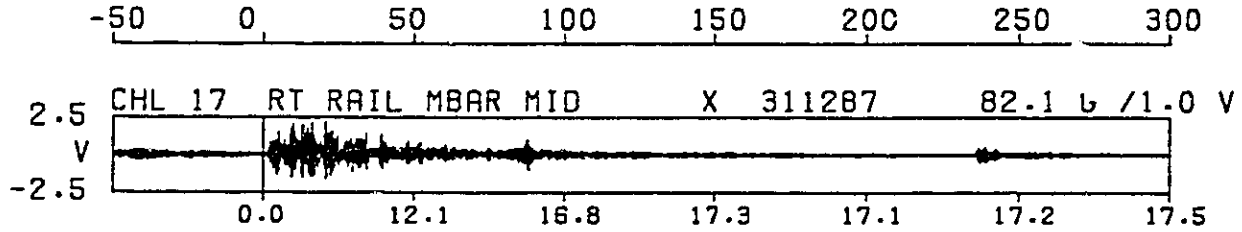


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
IMPACT ANALYSIS DEPT. 5320
FEB 23, 1995

DATA SET 02/20/95BL
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-.

VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL	X	73934
CHANNEL 002 RIGHT FRONT SILL	X	510100
CHANNEL 003 LEFT REAR SILL	X	14564
CHANNEL 005 RIGHT REAR SILL	X	176962

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

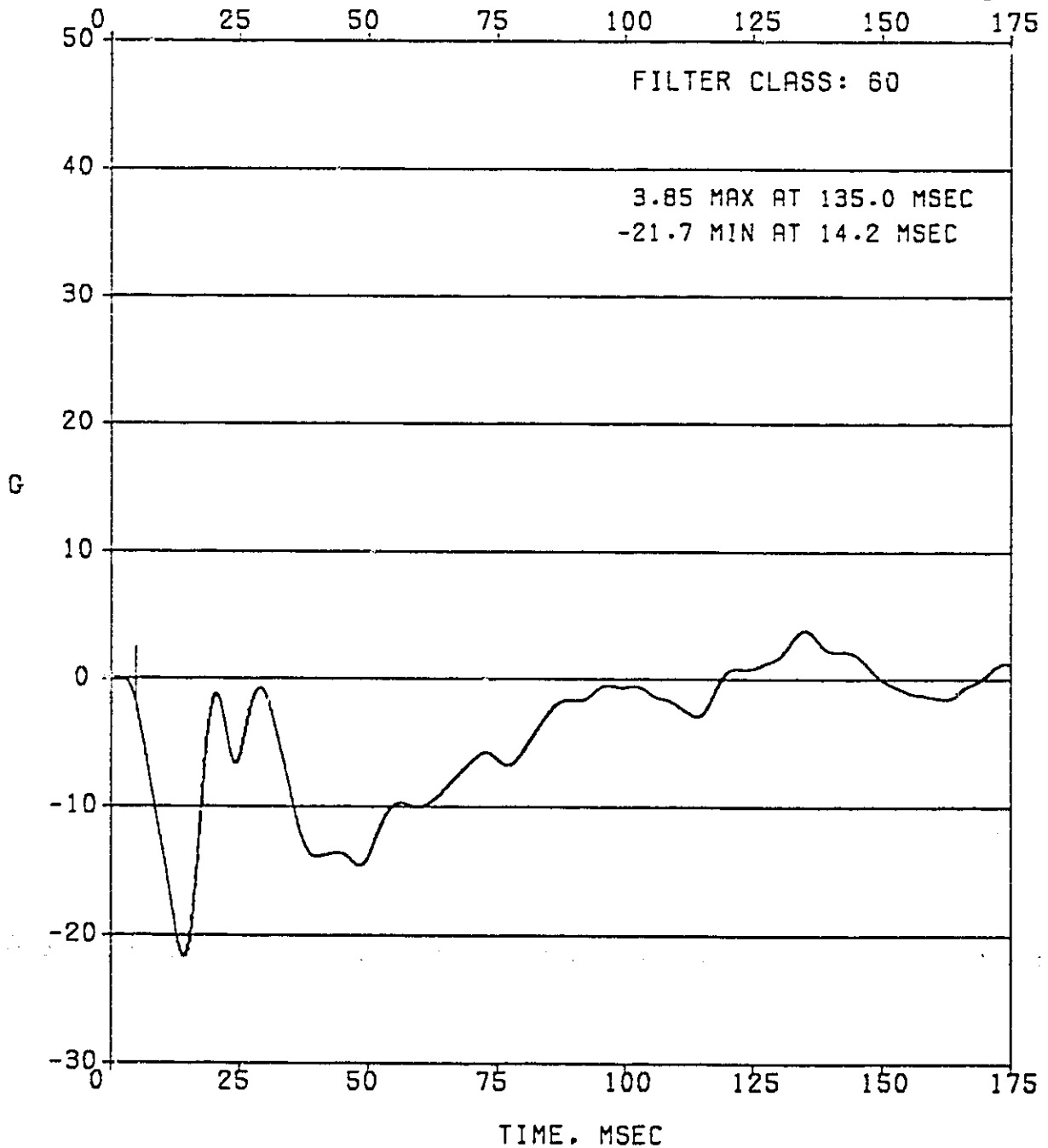
IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23, 1995

ERRATA

1



VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X 73934
CHANNEL 002 RIGHT FRONT SILL X 510100

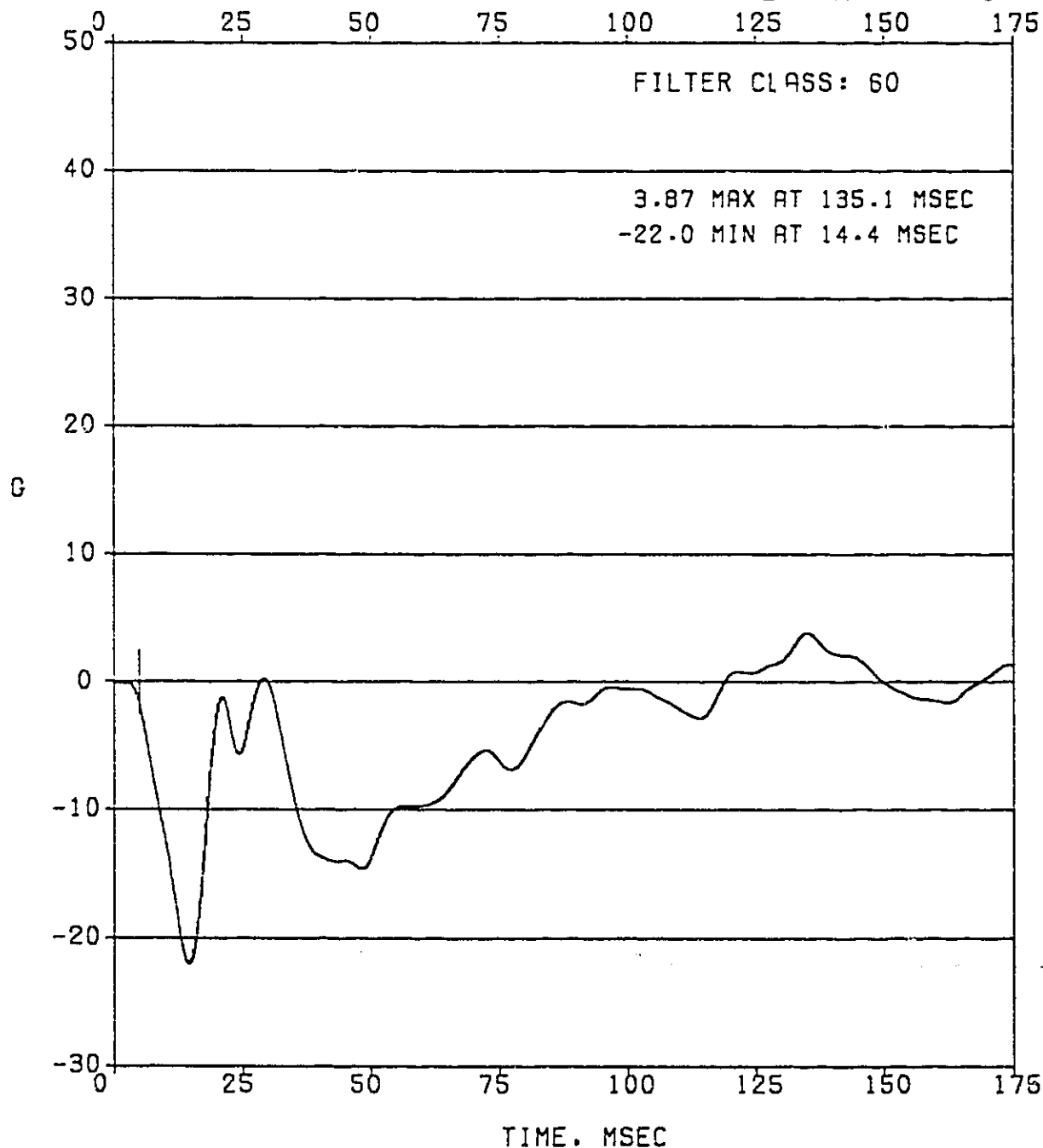
FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86

IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23, 1995

ERRATA 1



VC05383 30 MPH REAR IMPACT, XJT74, 4-OL ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 001 LEFT FRONT SILL X 73934

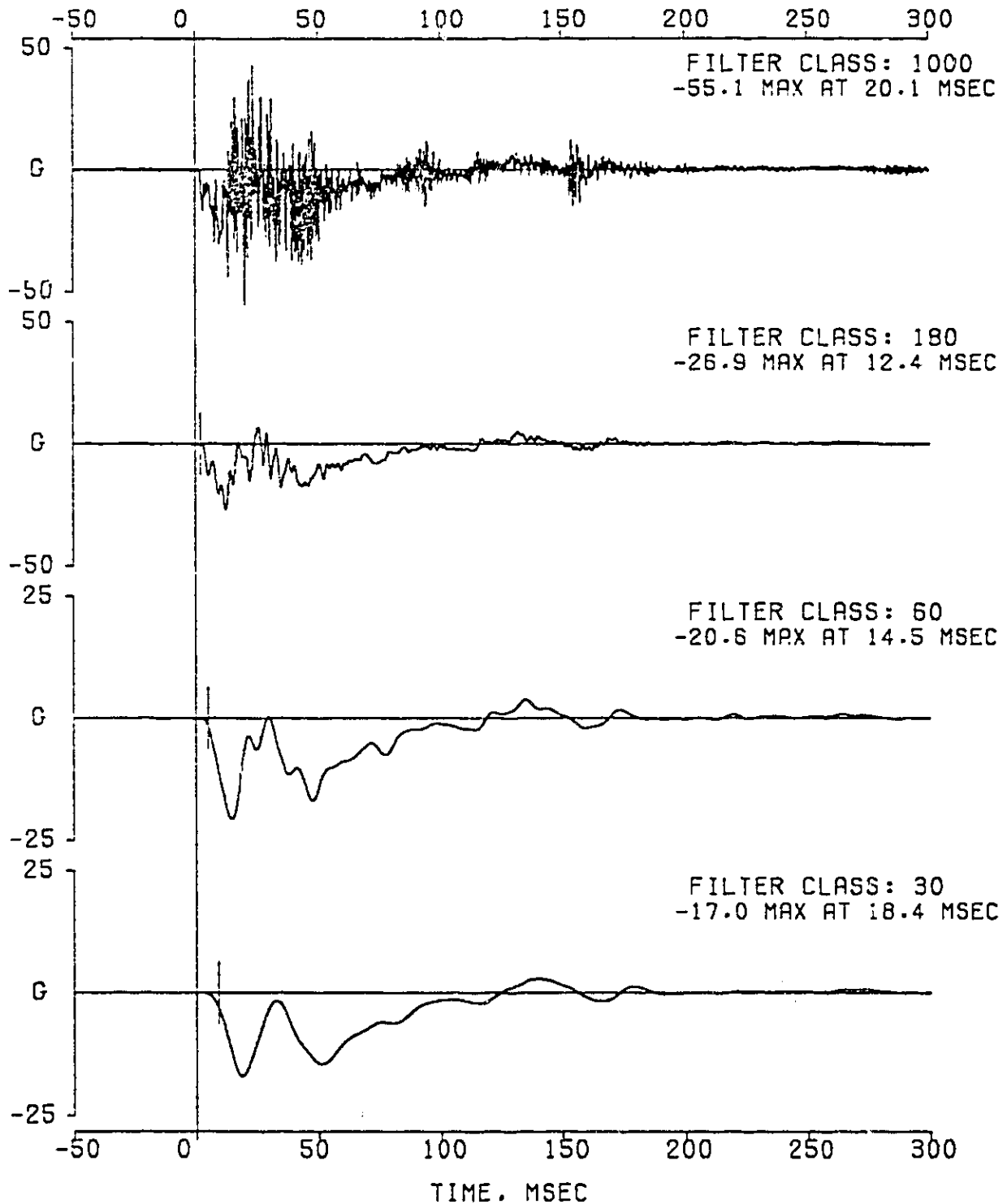
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23, 1995

ERRATA 1

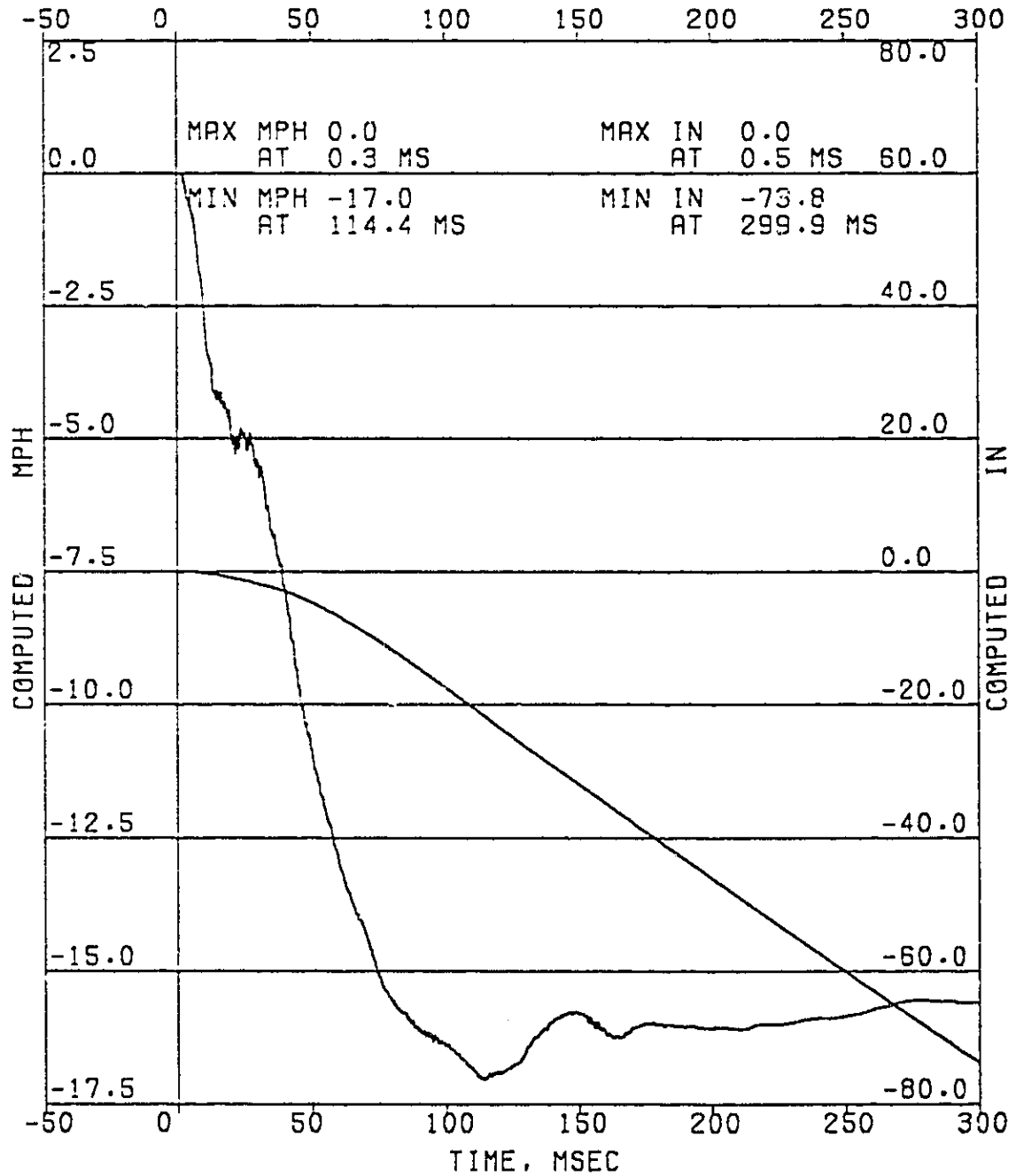


VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 001 LEFT FRONT SILL X 73934

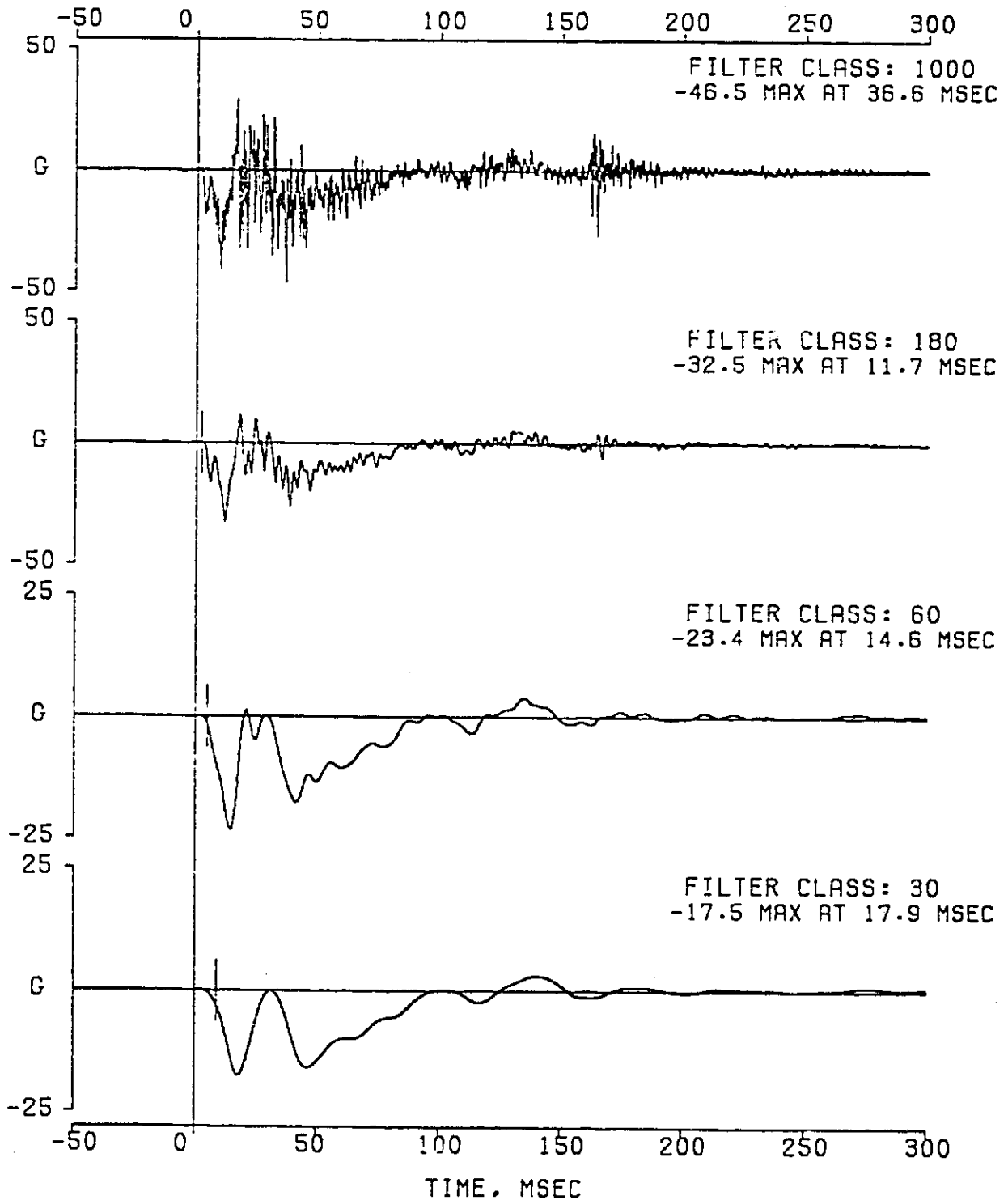
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 FEB 23, 1995

DATA SET 02/20/95BK
 ERRATA 1



VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 002 RIGHT FRONT SILL X 510100
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 02/20/95BK
FEB 23,1995 ERRATA 1

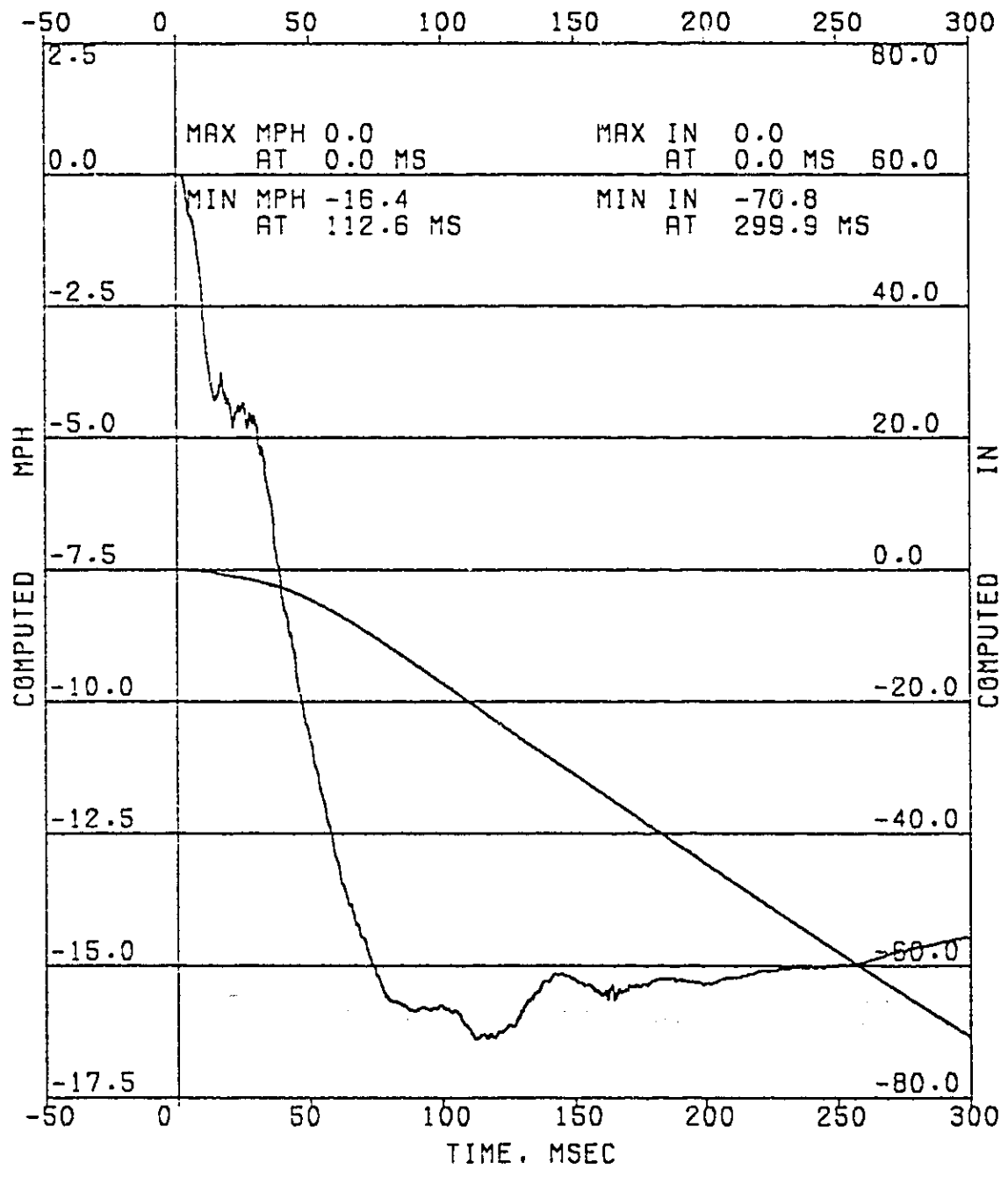


VC05383 30 MPH REAR IMPACT. XJT74, 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 002 RIGHT FRONT SILL X 510100

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

IMPACT ANALYSIS DEPT. 5320
 FEB 23, 1995

DATA SET 02/20/95BK
 ERRATA 1



VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 003 LEFT REAR SILL

X 14564

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

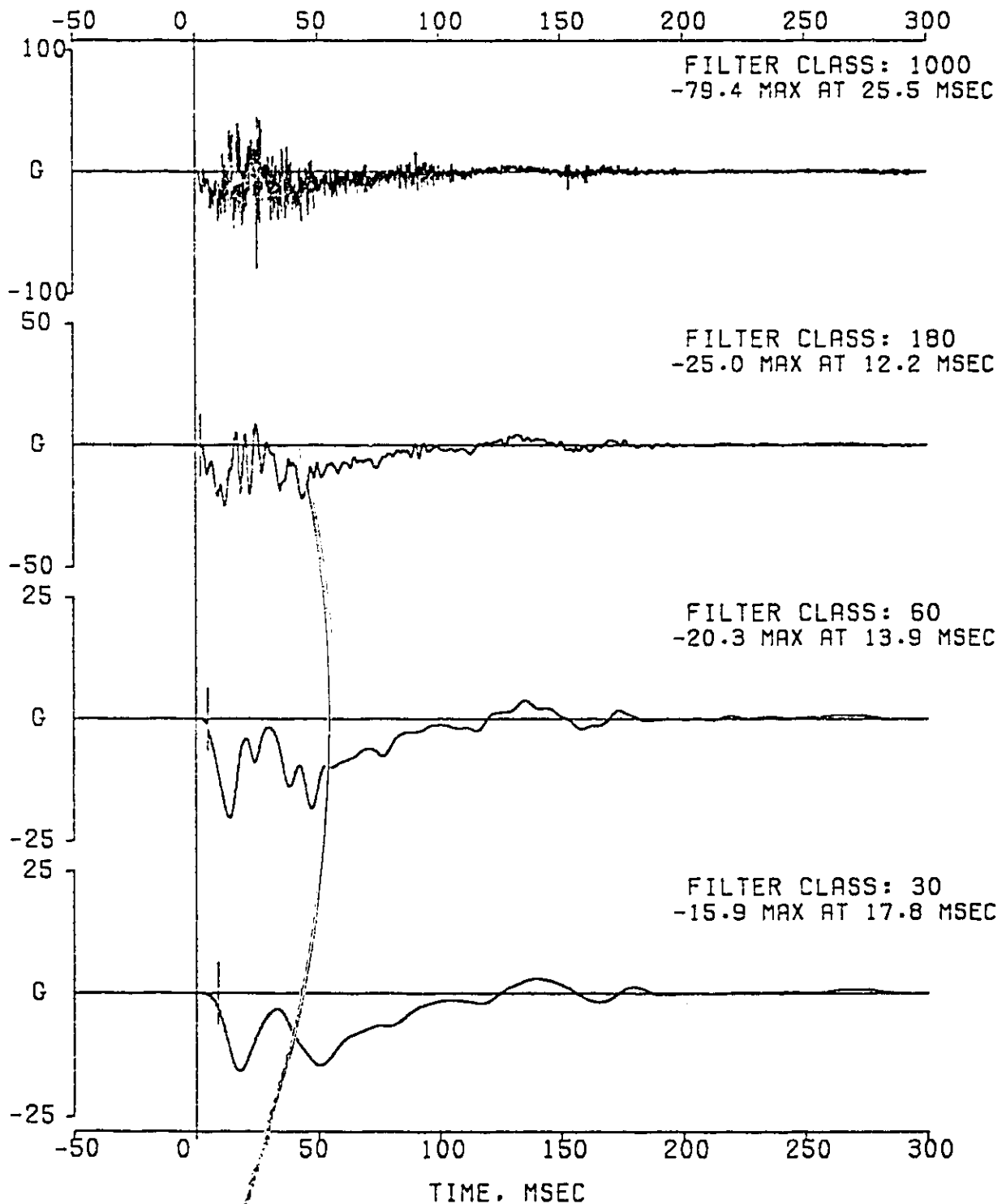
IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23, 1995

ERRATA

1

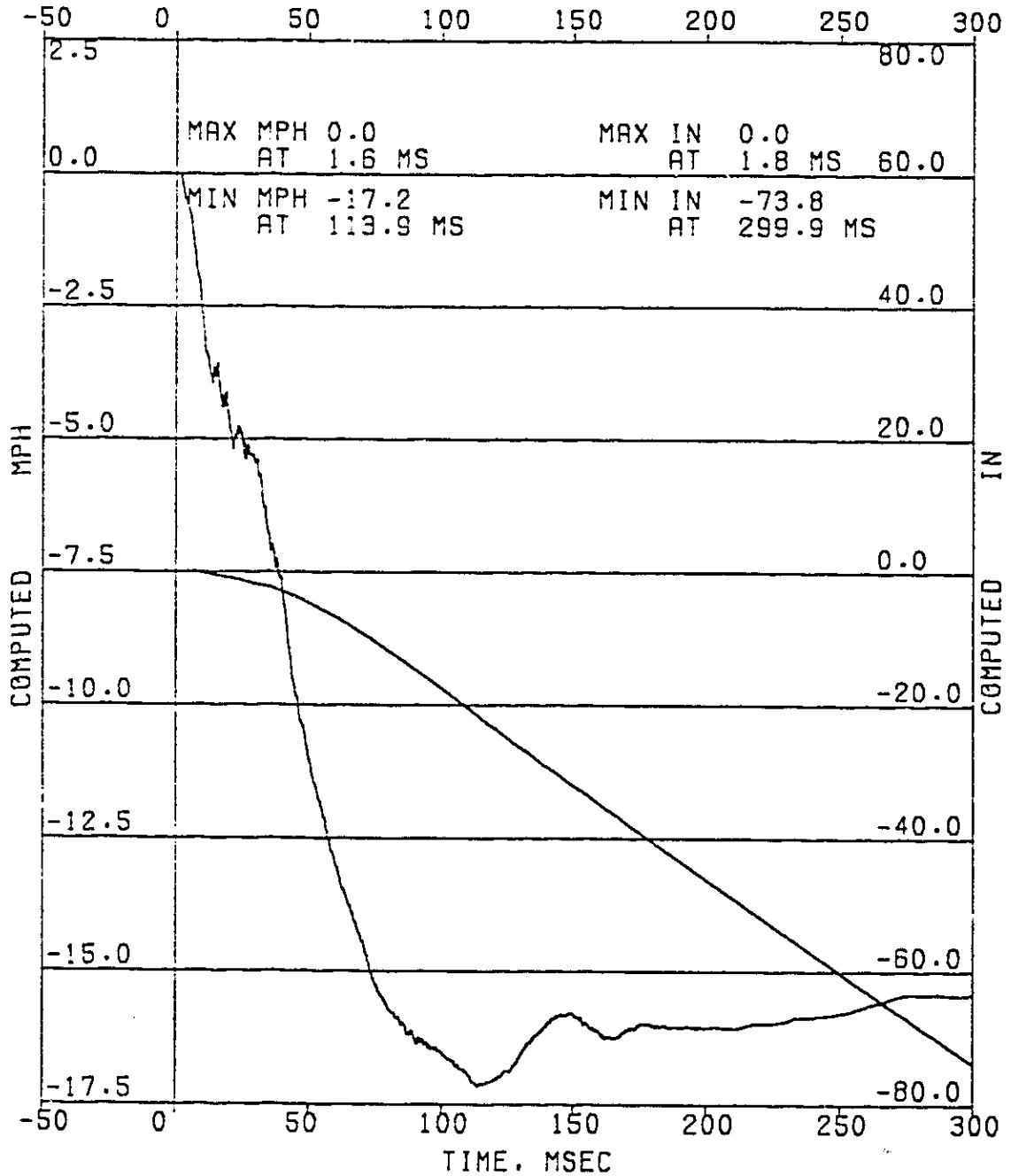


VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 003 LEFT REAR SILL X 14564

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

IMPACT ANALYSIS DEPT. 5320
 FEB 23, 1995

DATA SET 02/20/95BK
 ERRATA 1



VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 004 LEFT REAR SILL

Z 14326

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

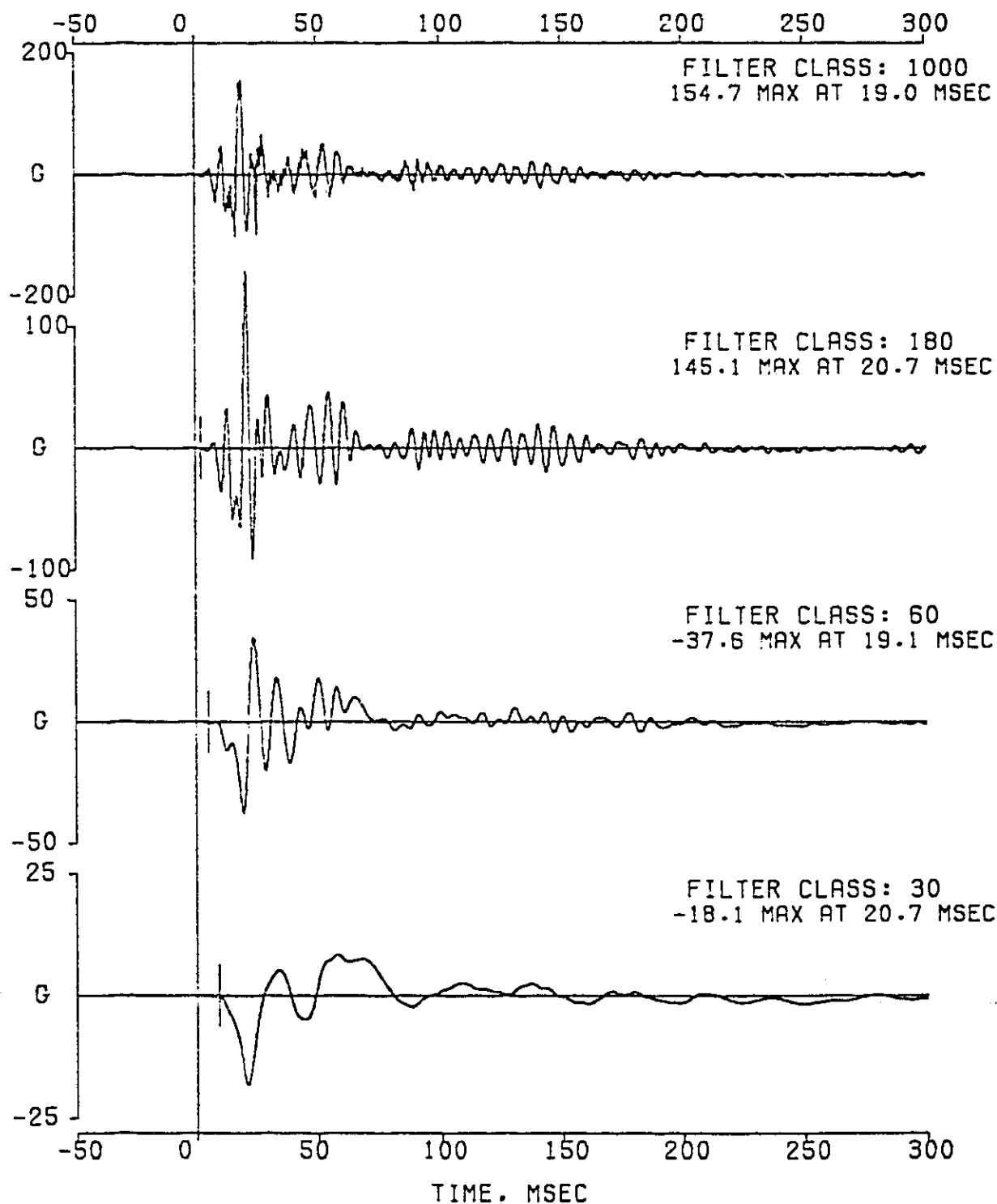
IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23, 1995

ERRATA

1

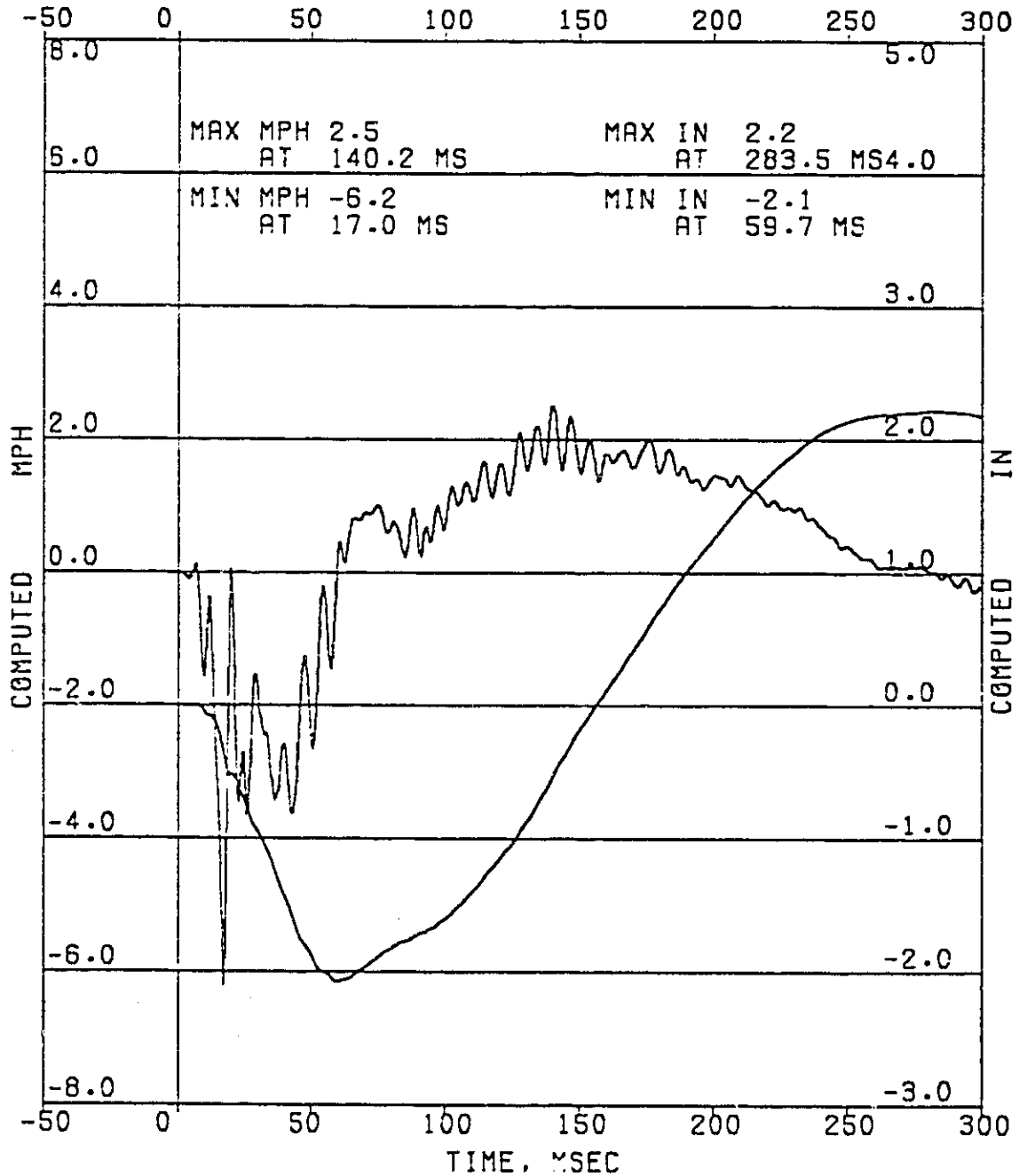


VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 004 LEFT REAR SILL Z 14326

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

IMPACT ANALYSIS DEPT. 5320
FEB 23, 1995

DATA SET 02/20/95BK
ERRATA 1



EA12-005- Chrysler -000890

COMPUTED MPH

VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 005 RIGHT REAR SILL X 176962

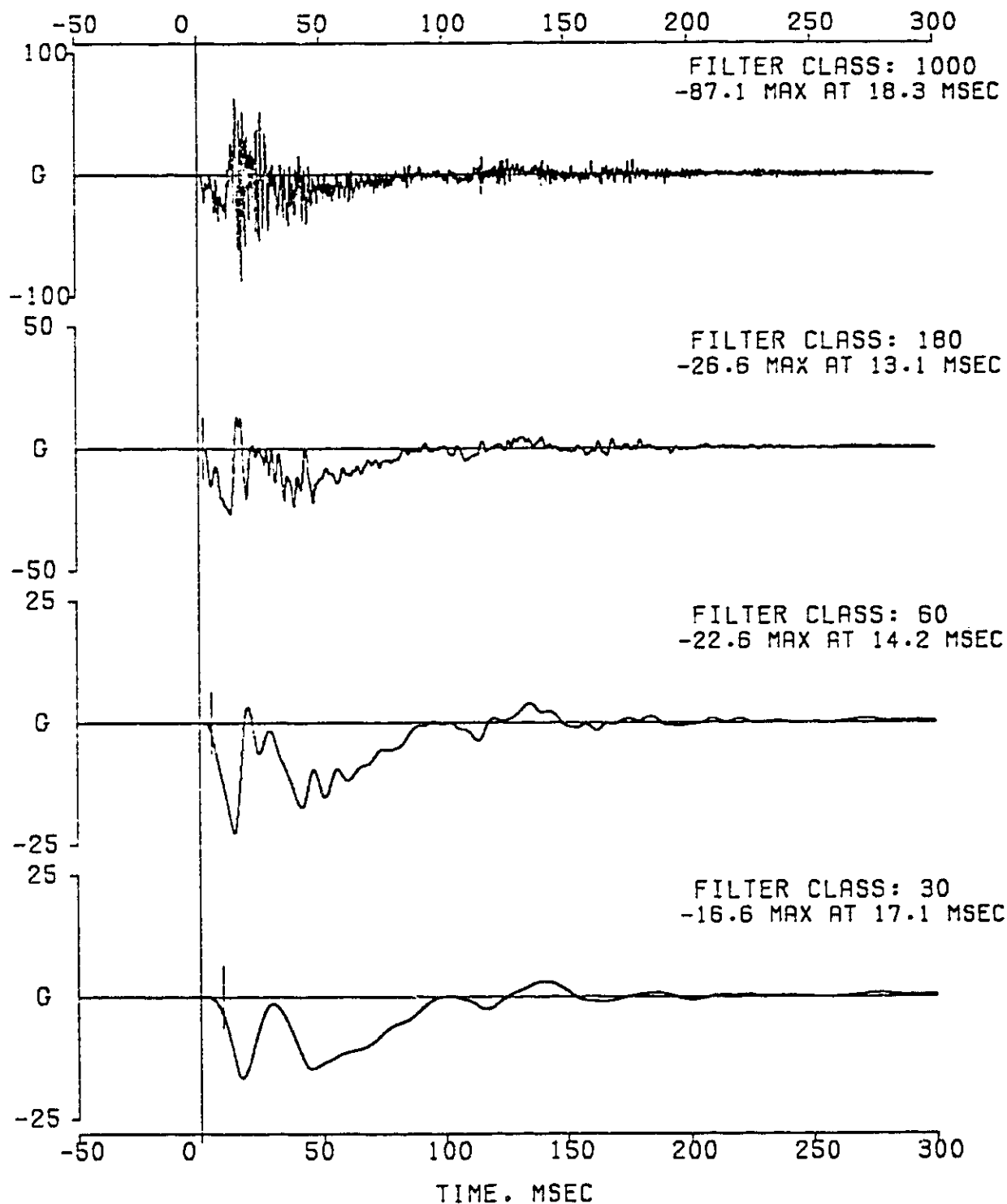
FILTER TYPE: CBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23.1995

ERRATA 1

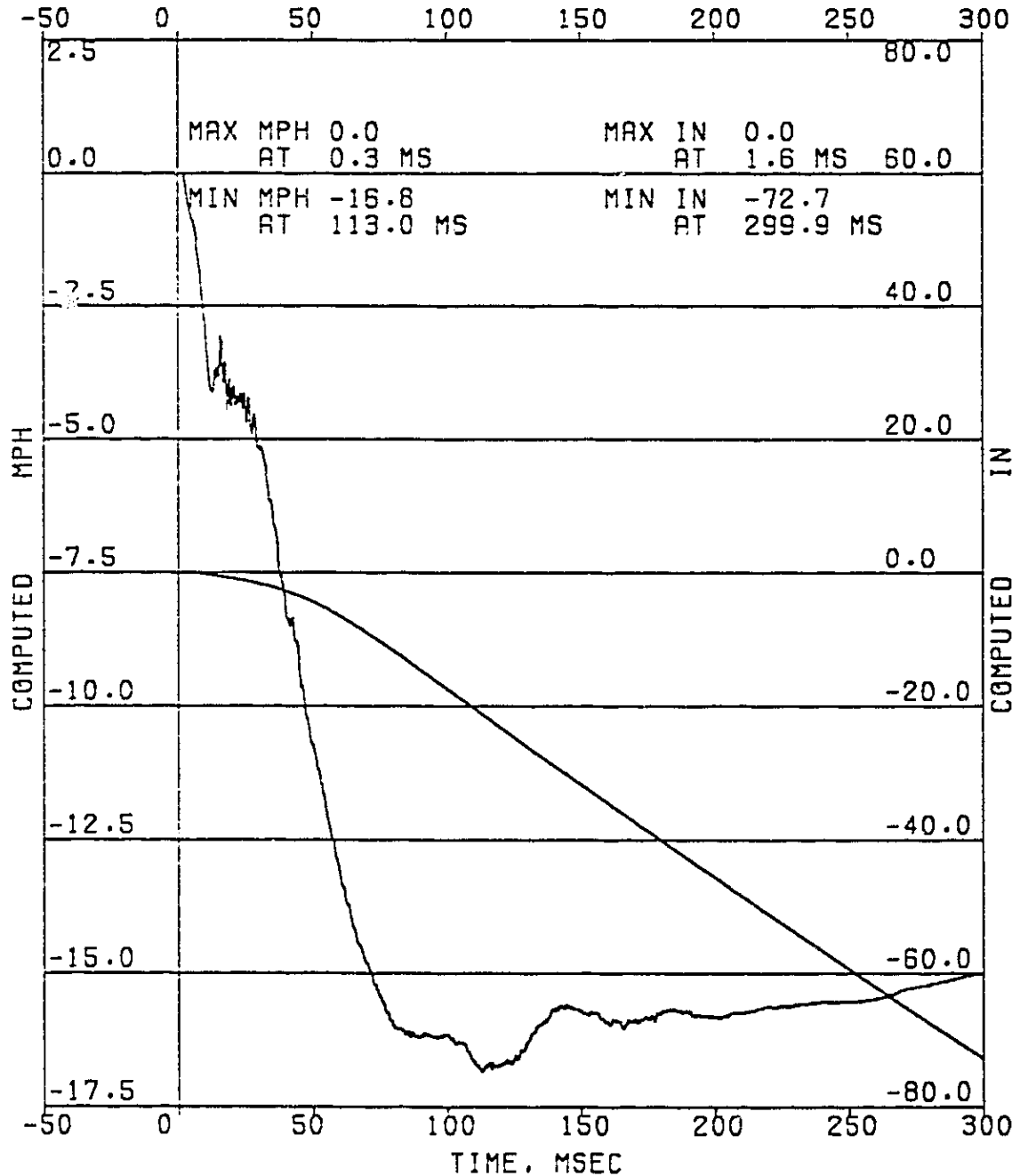


VC05383 30 MPH REAR IMPACT. XJT74. 4-0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 005 RIGHT REAR SILL X 176962

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

IMPACT ANALYSIS DEPT. 5320
 FEB 23, 1995

DATA SET 02/20/95BK
 ERRATA 1



VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 006 RIGHT REAR SILL

Z 213612

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

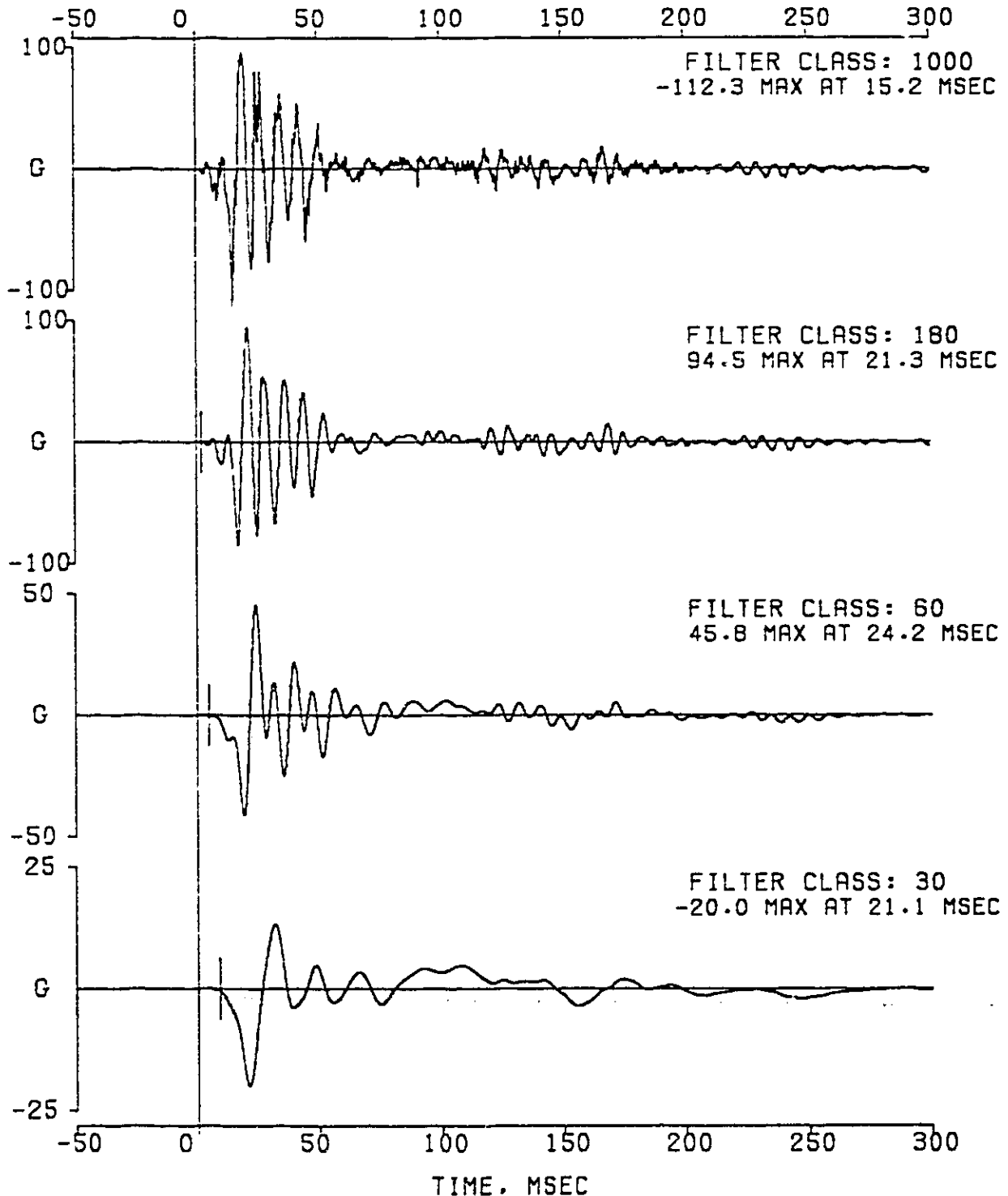
IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23.1995

ERRATA

1

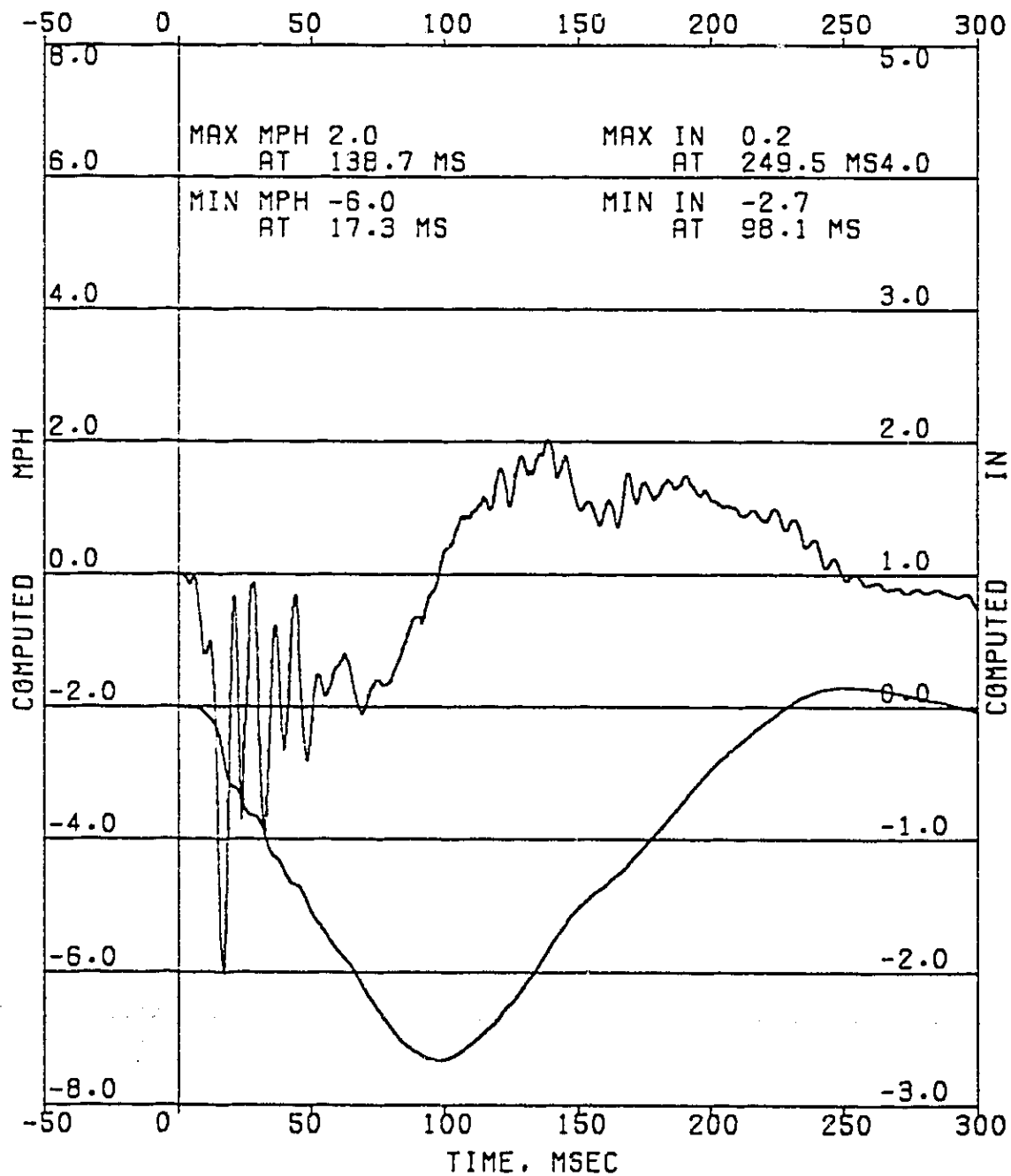


VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 006 RIGHT REAR SILL Z 213612

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

IMPACT ANALYSIS DEPT. 5320
FEB 23, 1995

DATA SET 02/20/95BK
ERRATA 1



EA12-005- Chrysler -000894

COMPUTED MPH

VC05393 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 007 LT RAIL REAR SPRG FT X 73941

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

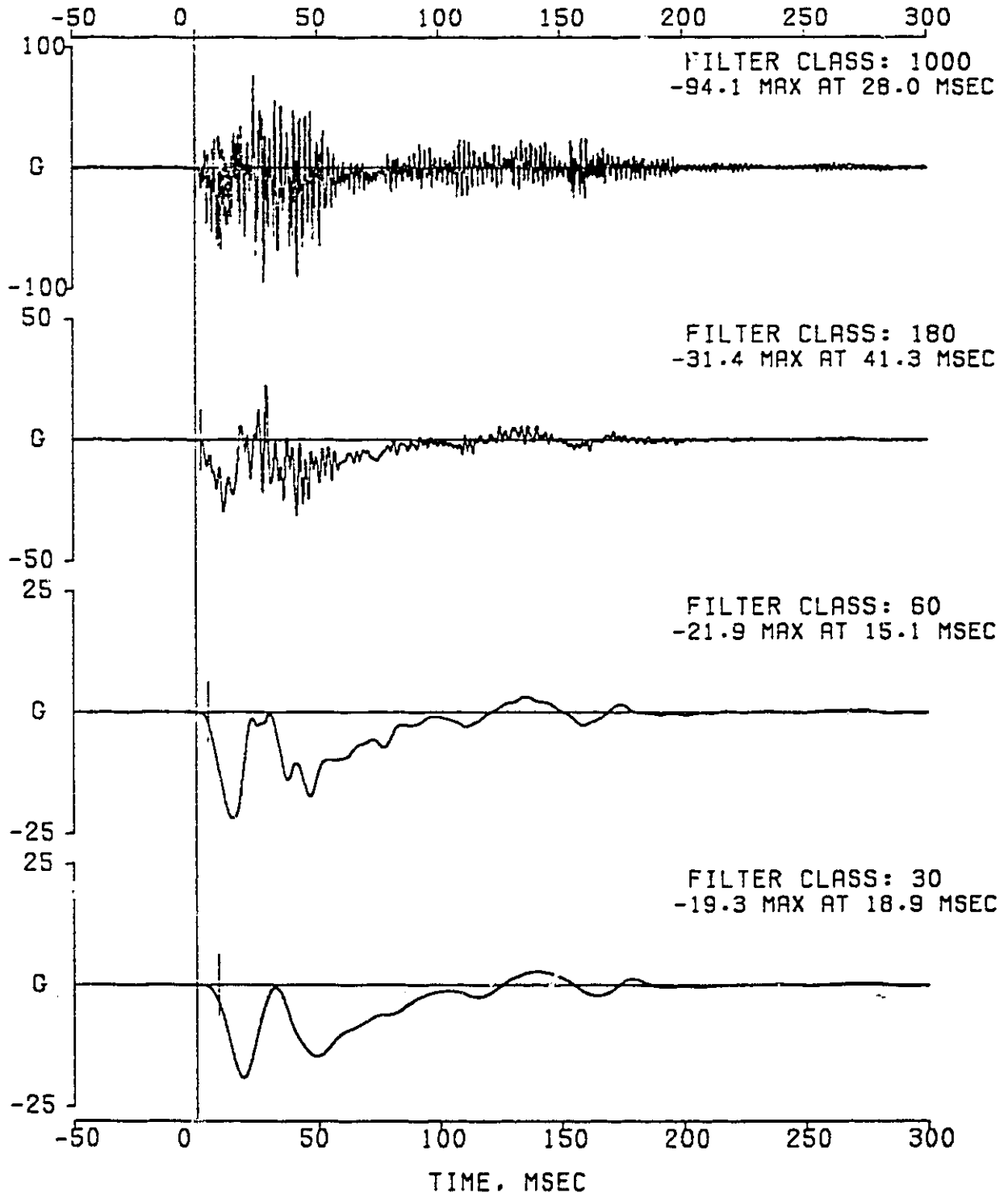
IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23,1995

ERRATA

1

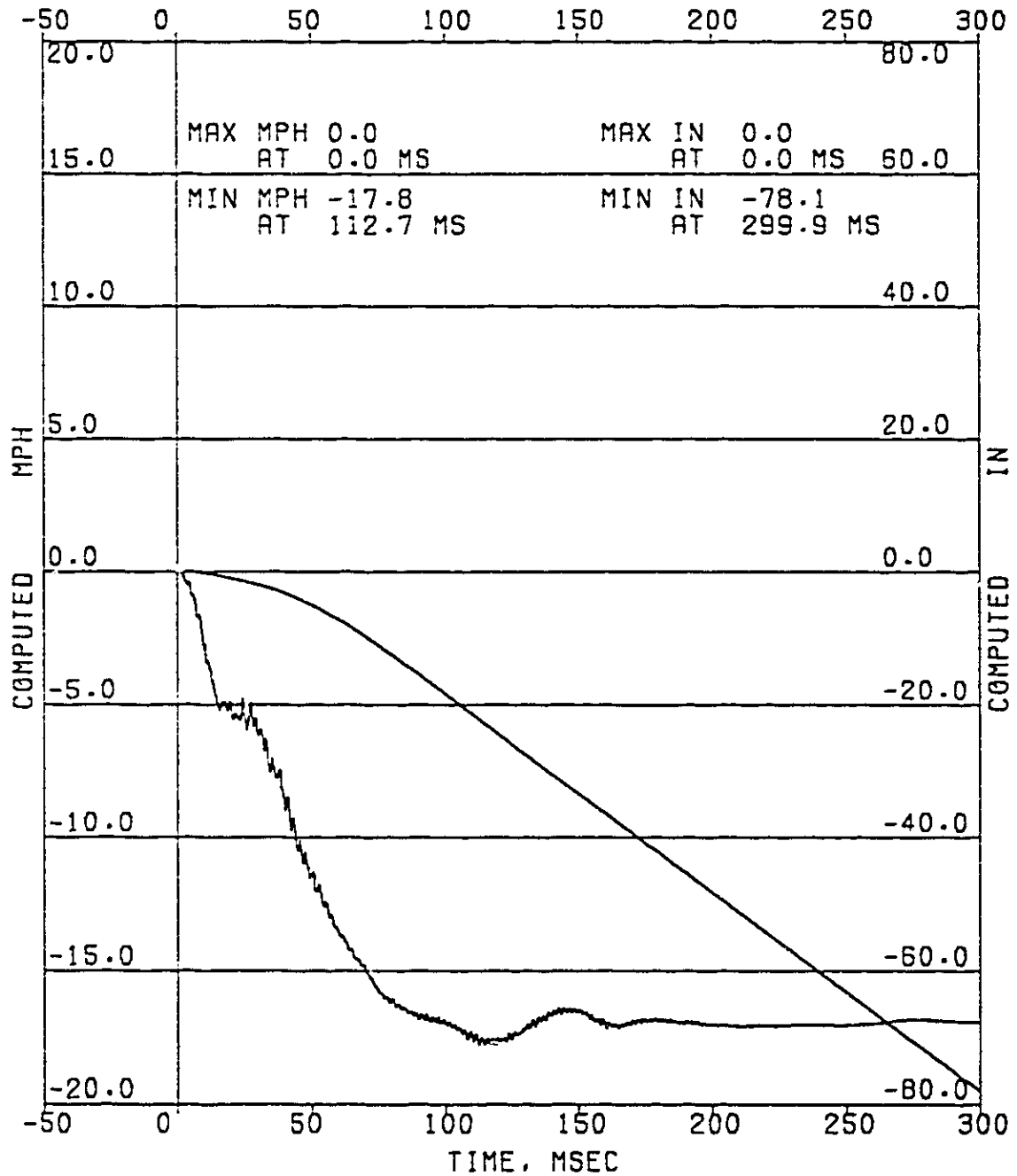


VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 007 LT RAIL REAR SPRG FT X 73941

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

IMPACT ANALYSIS DEPT. 5320
 FEB 23, 1995

DATA SET 02/20/95BK
 ERRATA 1



VC05383 30 MPH REAR IMPACT, XJT74, 4-0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 008 RT RAIL REAR SPRG FT X 14338

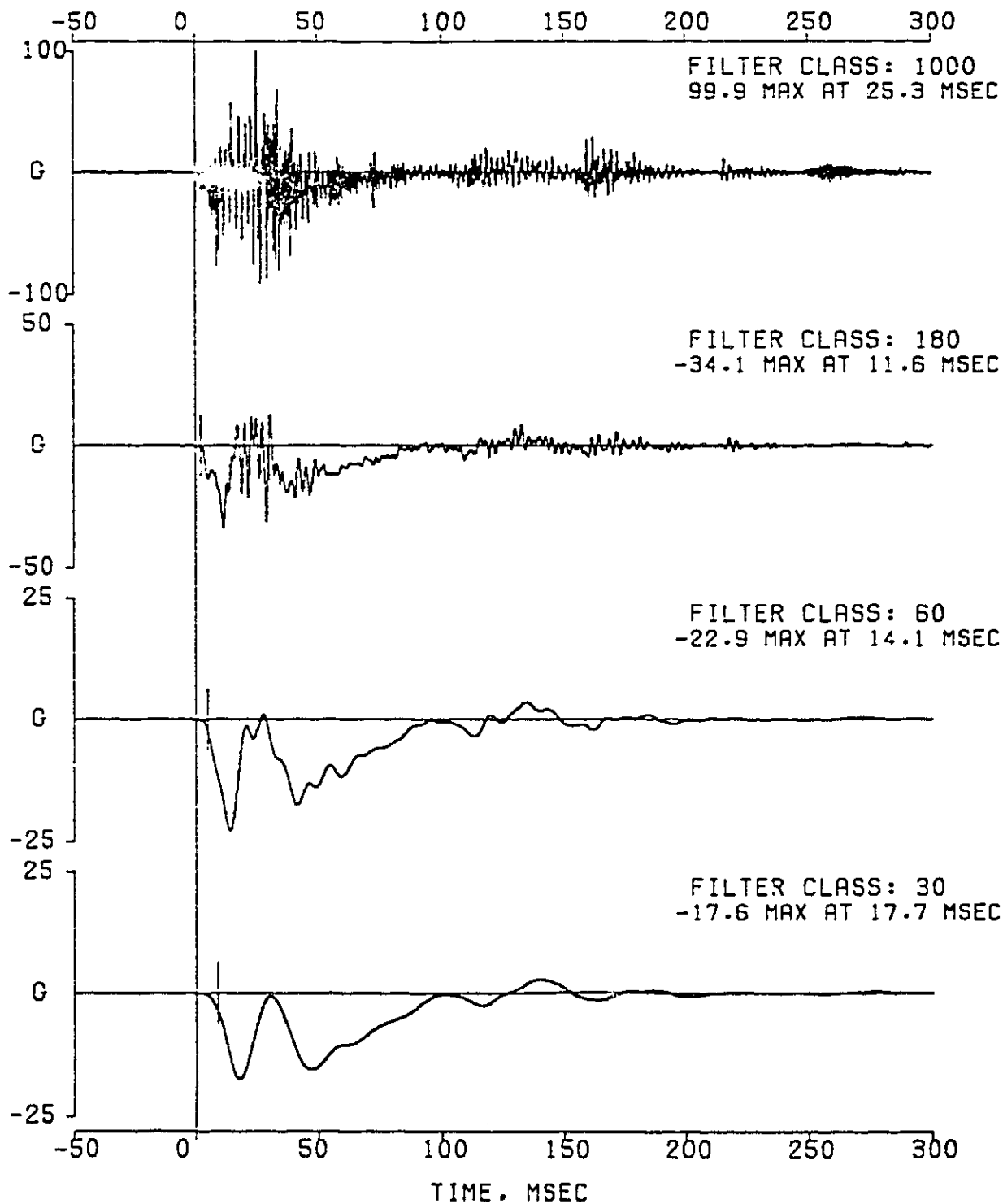
FILTER TYPE: 09DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23, 1995

ERRATA 1

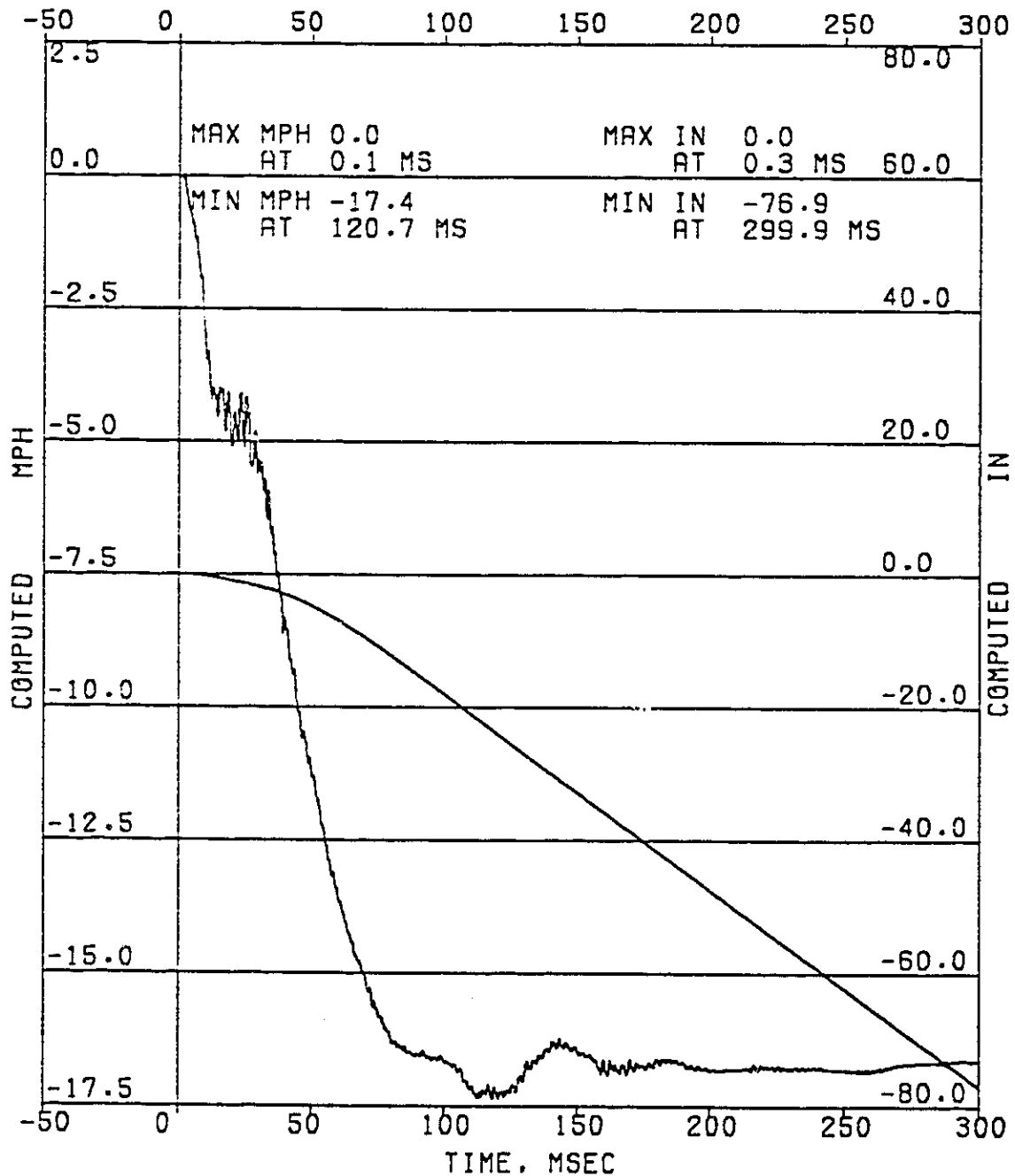


VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 008 RT RAIL REAR SPRG FT X 14338

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

IMPACT ANALYSIS DEPT. 5320
FEB 23.1995

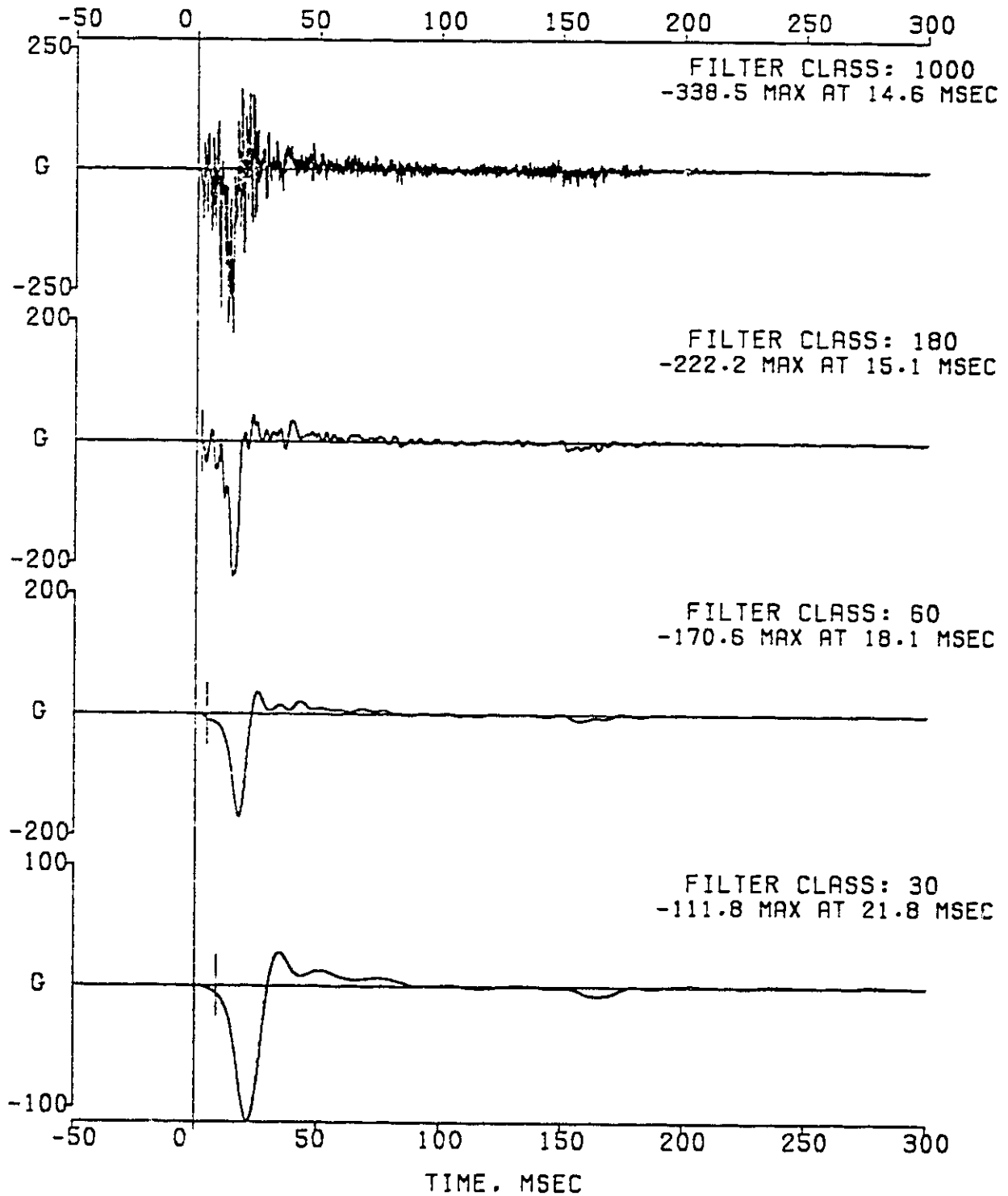
DATA SET 02/20/95BK
ERRATA 1



EA12-005- Chrysler -000898

COMPUTED MPH

VCD5383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 009 RT REAR RAIL MID TANK X 80435
FILTER TYPE: 09DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 02/20/95BK
FEB 23, 1995 ERRATA 1

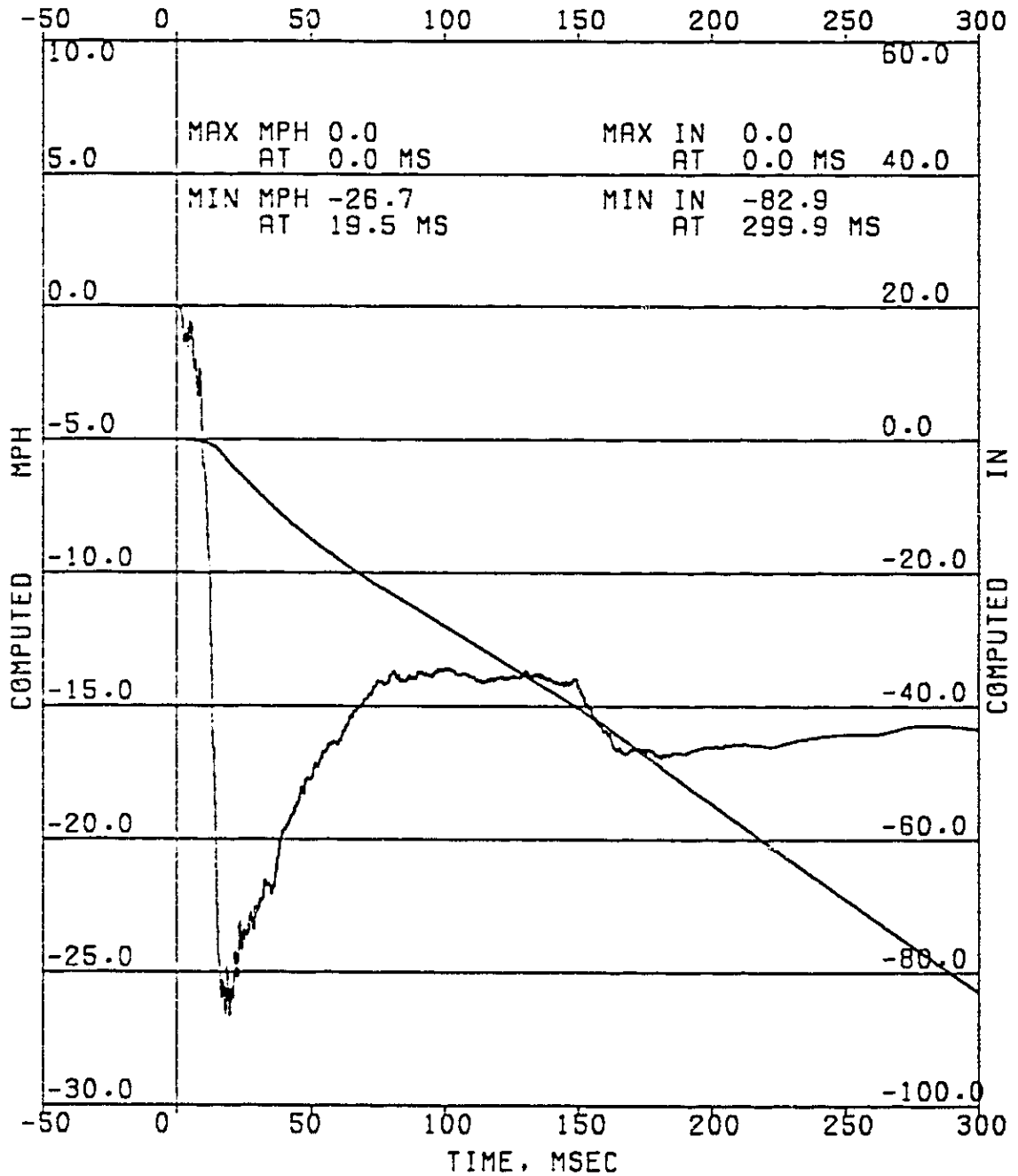


VC05393 30 MPH REAR IMPACT, XJT74. 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 009 RT REAR RAIL MID TANK X 80435

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

IMPACT ANALYSIS DEPT. 5320
FEB 23, 1995

DATA SET 02/20/95BK
ERRATA 1



VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 010 RT REAR RAIL MID TANK Z 14497

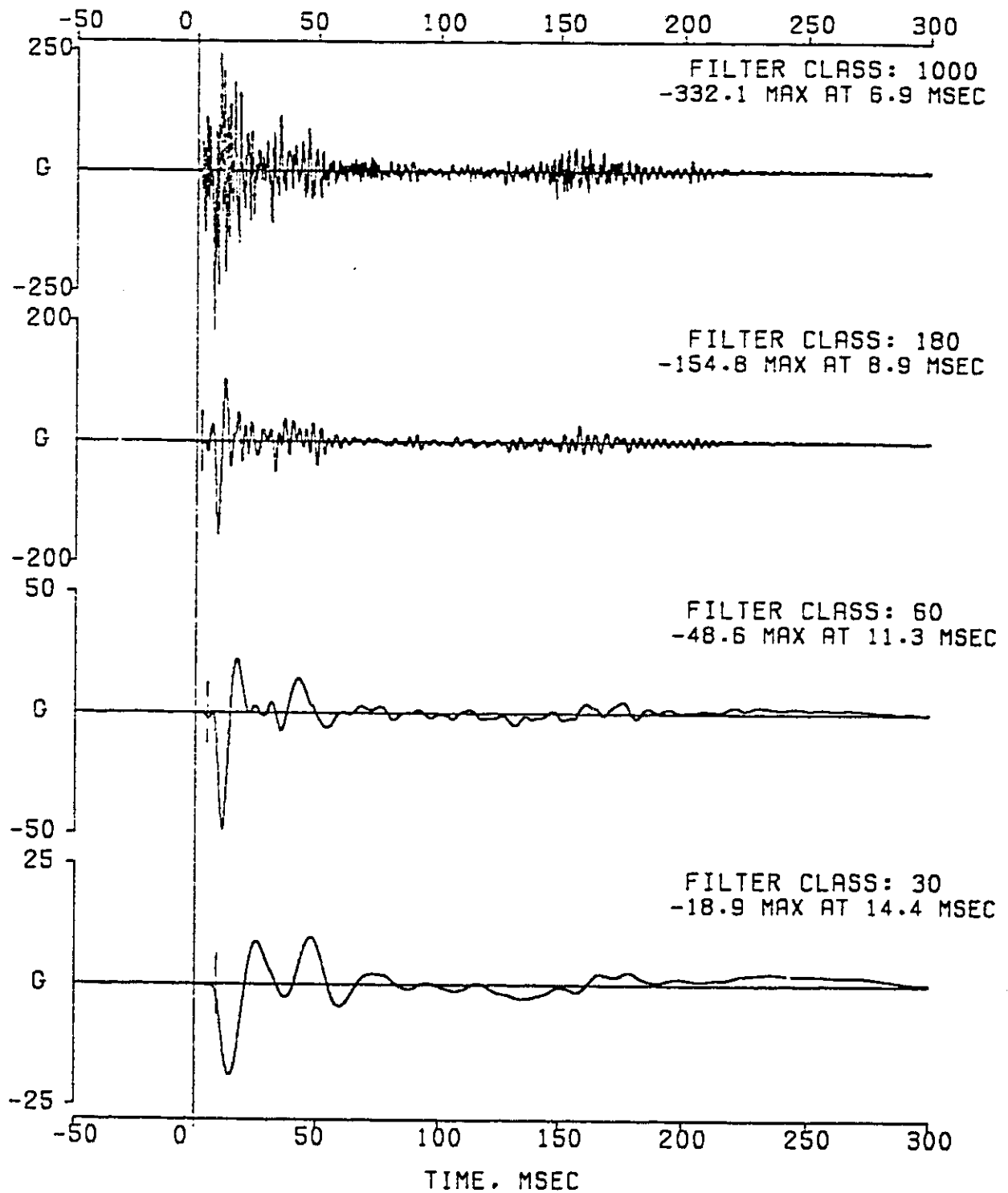
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23,1995

ERRATA 1

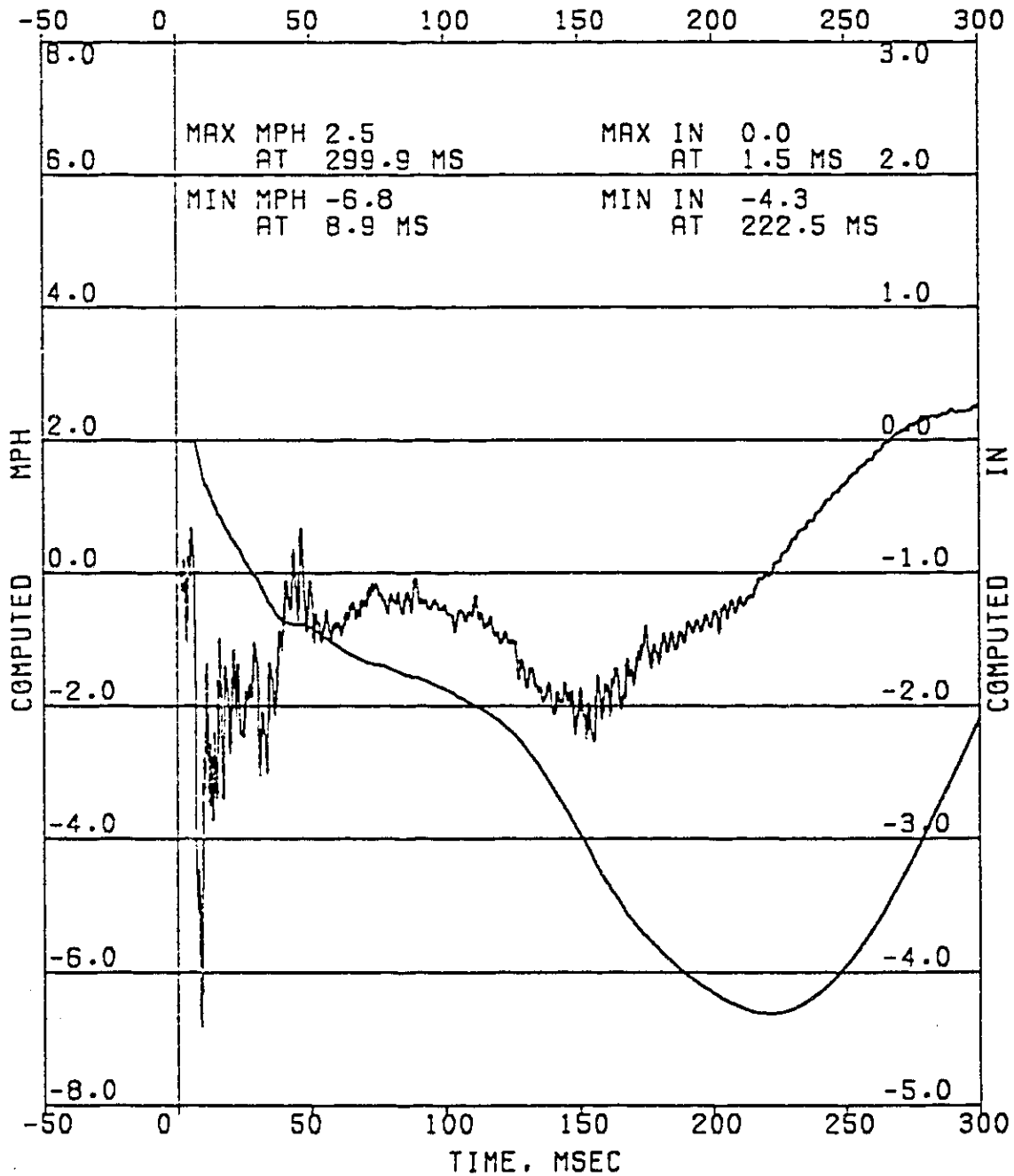


VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 010 RT REAR RAIL MID TANK Z 14497

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

IMPACT ANALYSIS DEPT. 5320
FEB 23, 1995

DATA SET 02/20/95BK
ERRATA 1



VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 011 LT REAR RAIL MID TANK X 14405

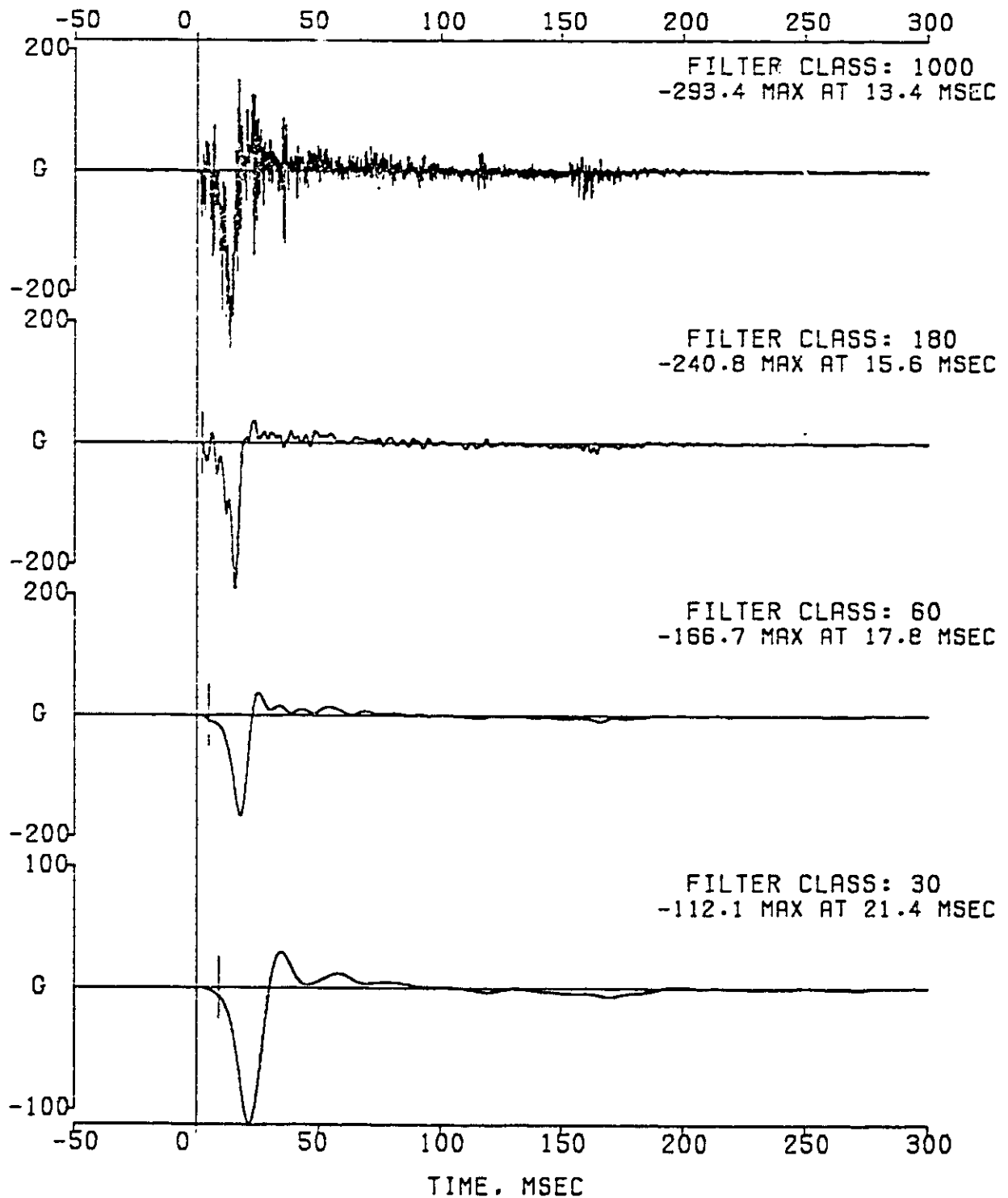
FILTER TYPE: CDCAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23,1995

ERRATA 1

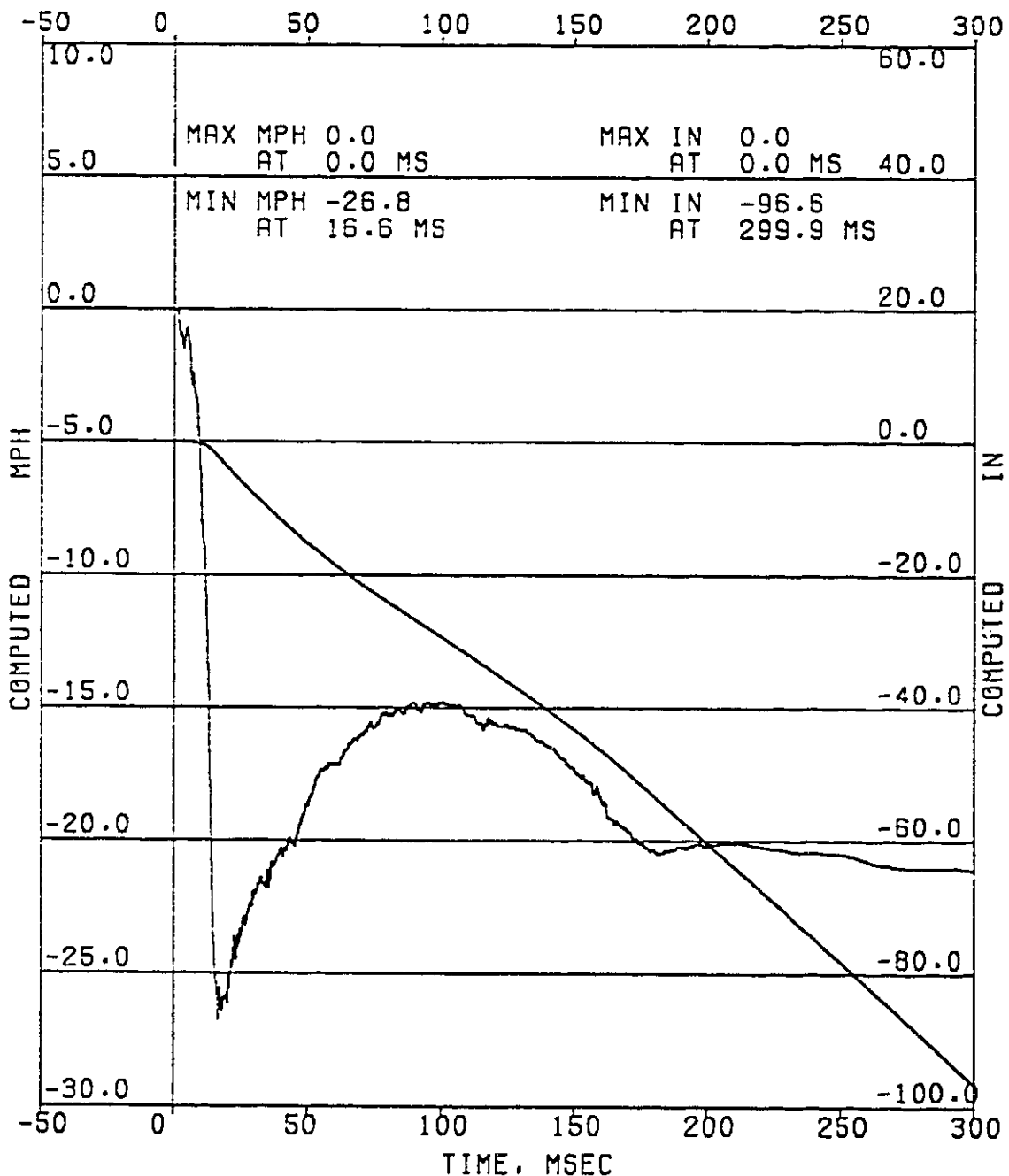


VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 011 LT REAR RAIL MID TANK X 14405

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

IMPACT ANALYSIS DEPT. 5320
FEB 23, 1995

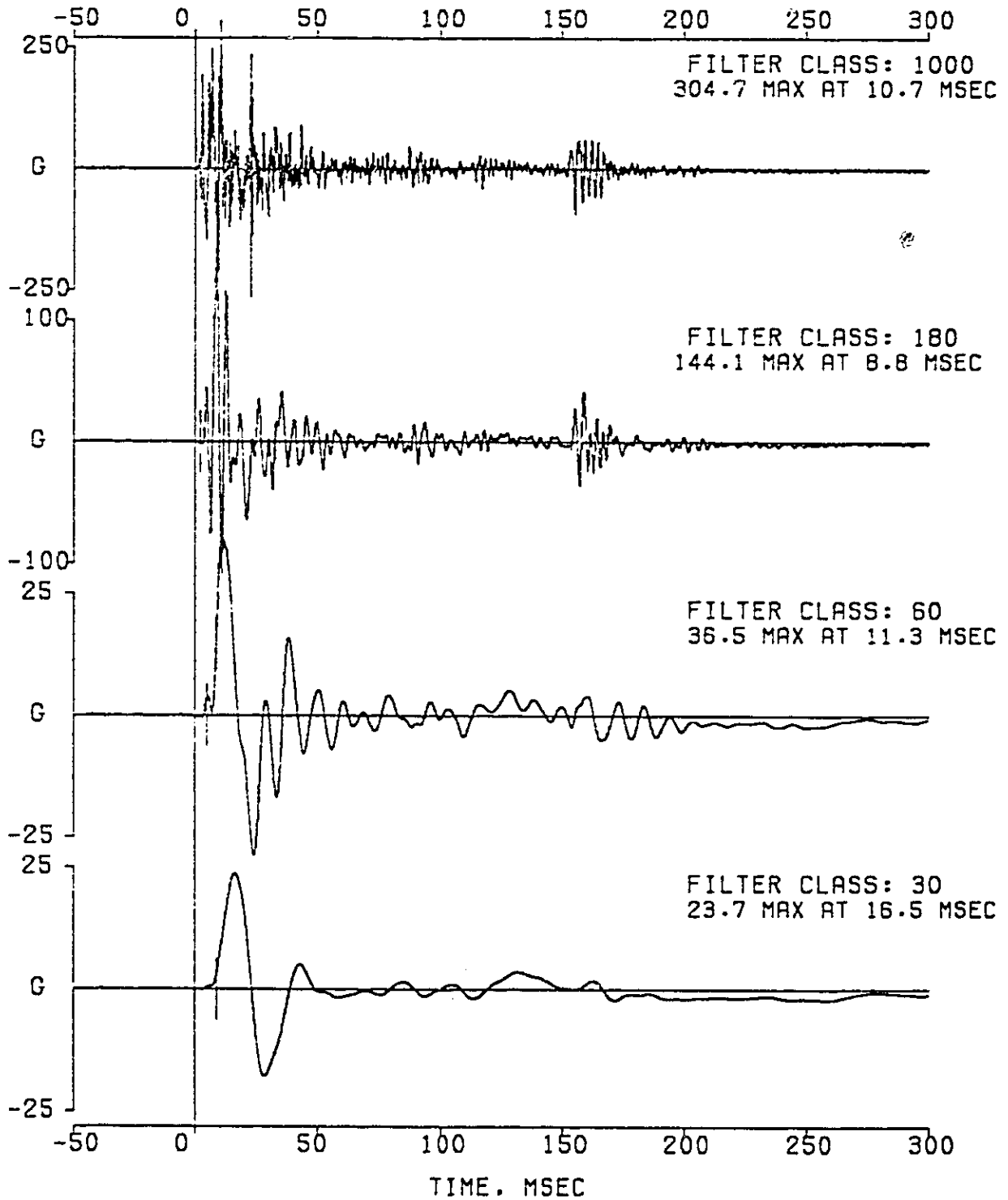
DATA SET 02/20/95BK
ERRATA 1



EA12-005- Chrysler -000904

COMPUTED MPH

VC05383 30 MPH REAR IMPACT. XJT74, 4-0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 012 LT REAR RAIL MID TANK Z 510067
FILTER TYPE: QSDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 02/20/95BK
FEB 23,1995 ERRATA 1

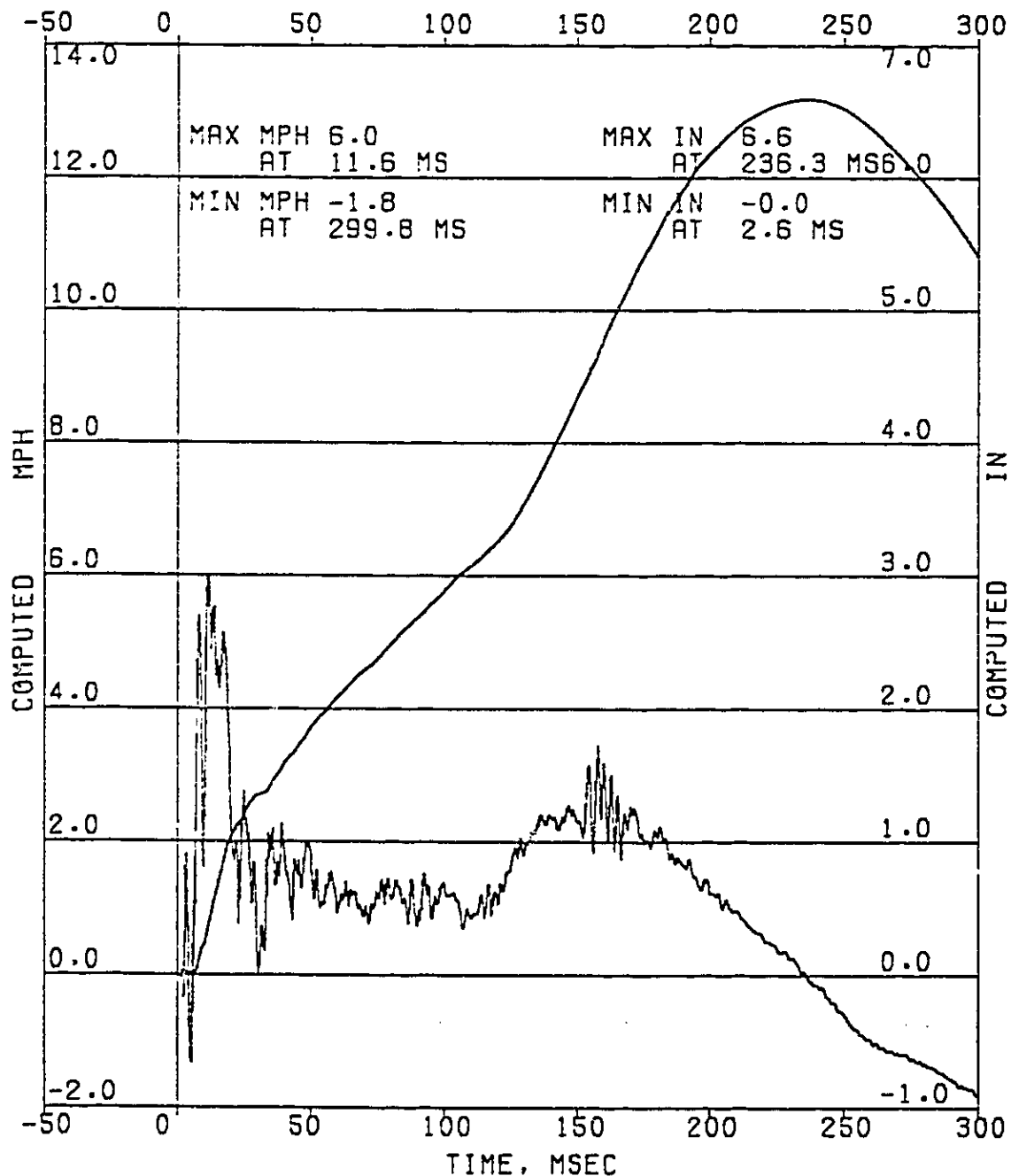


VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 012 LT REAR RAIL MID TANK Z 510067

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

IMPACT ANALYSIS DEPT. 5320
FEB 23, 1995

DATA SET 02/20/95BK
ERRATA 1



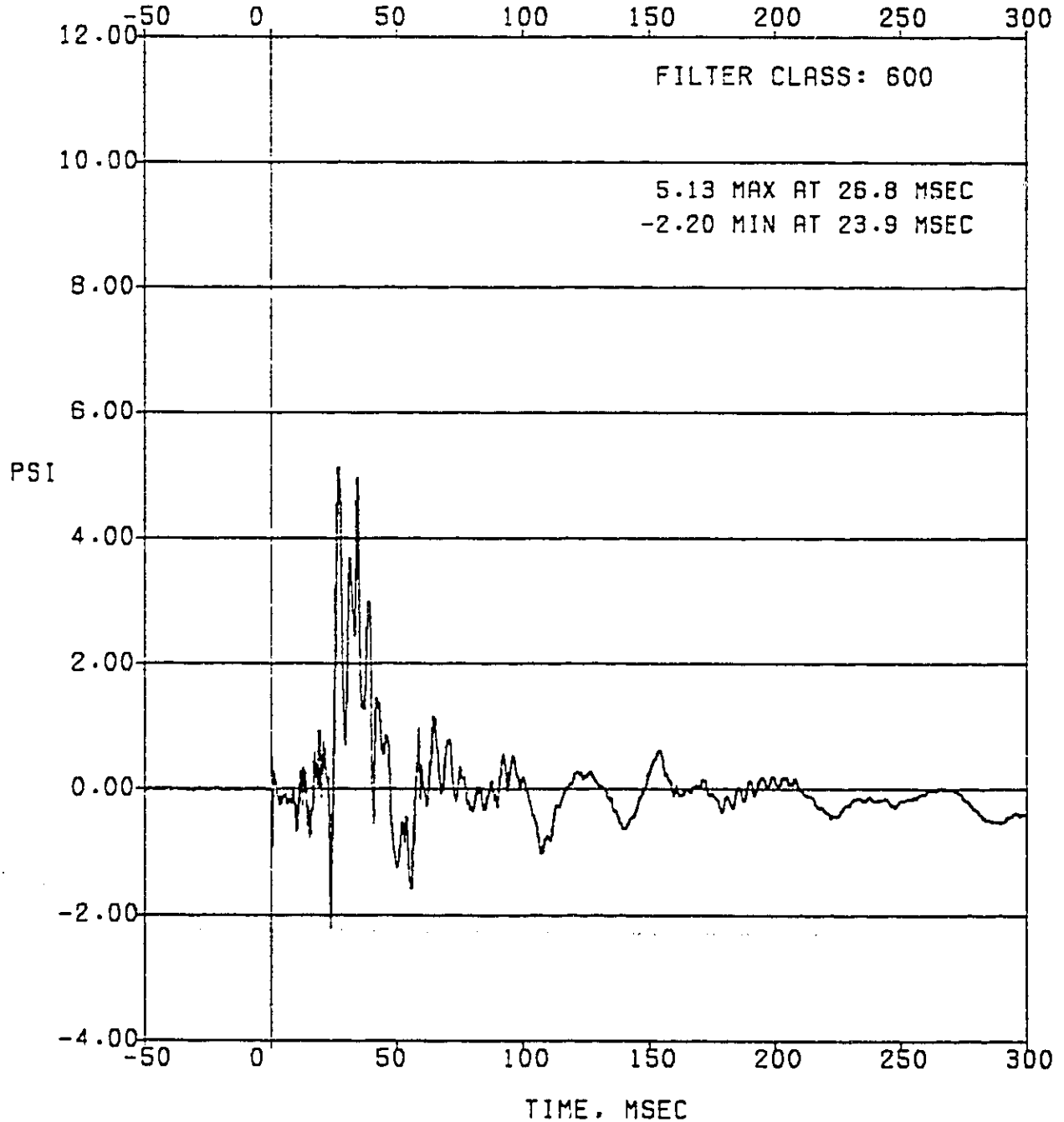
EA12-005- Chrysler -000906

COMPUTED MPH

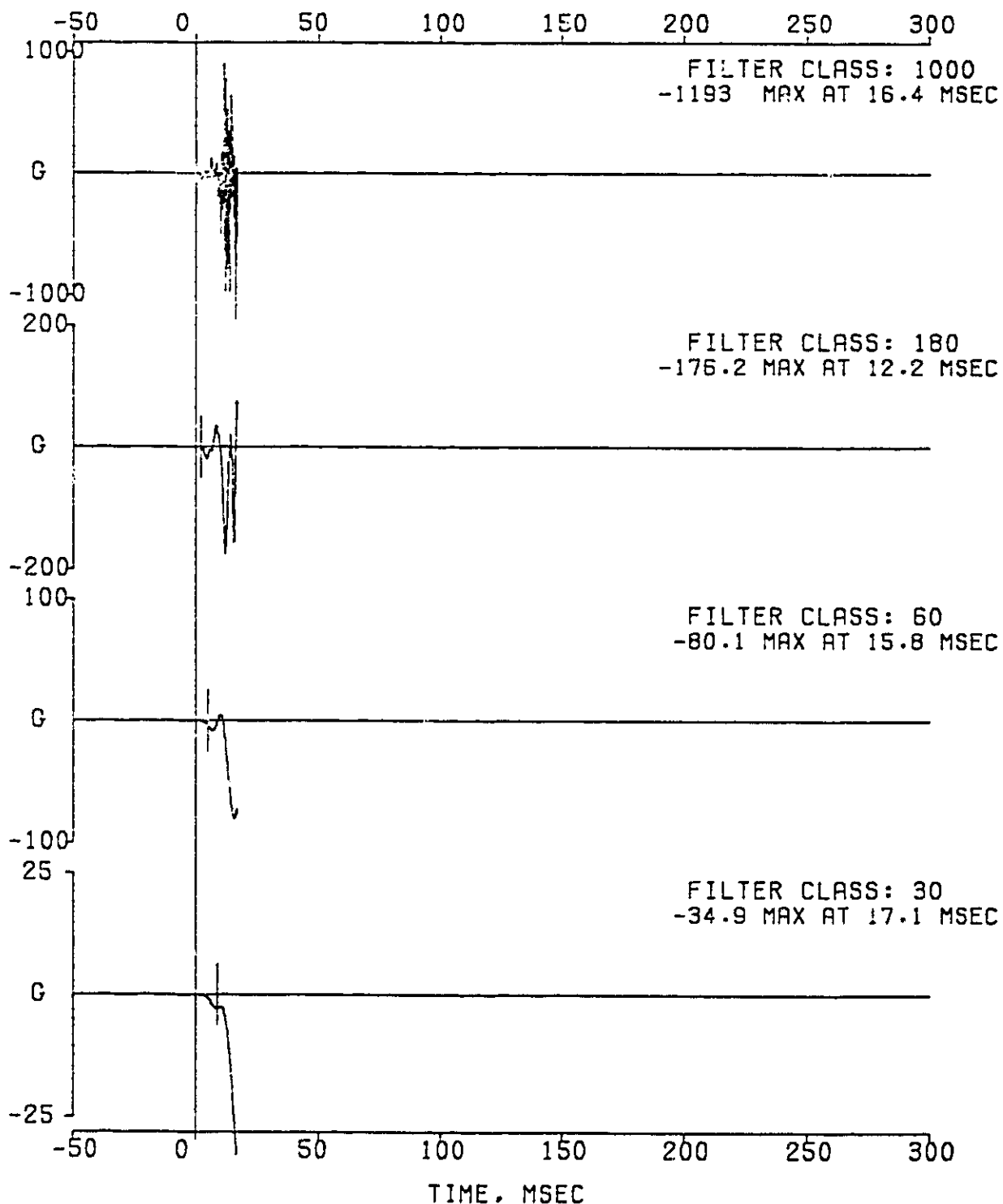
VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.

CHANNEL 013 FUEL RET LINE PRESS 44813 P

FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 600 FILTER(1000)
IMPACT ANALYSIS DEPT. 5320 DATA SET 02/20/95BK
FEB 23, 1995 ERRATA 1



VC05383 30 MPH REAR IMPACT. XJT74, 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 014 FUEL TANK LEADING EDGEX ACCKO
 FILTER TYPE: 03DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 IMPACT ANALYSIS DEPT. 5320 DATA SET 02/20/95BK
 FEB 23,1995 ERRATA 1



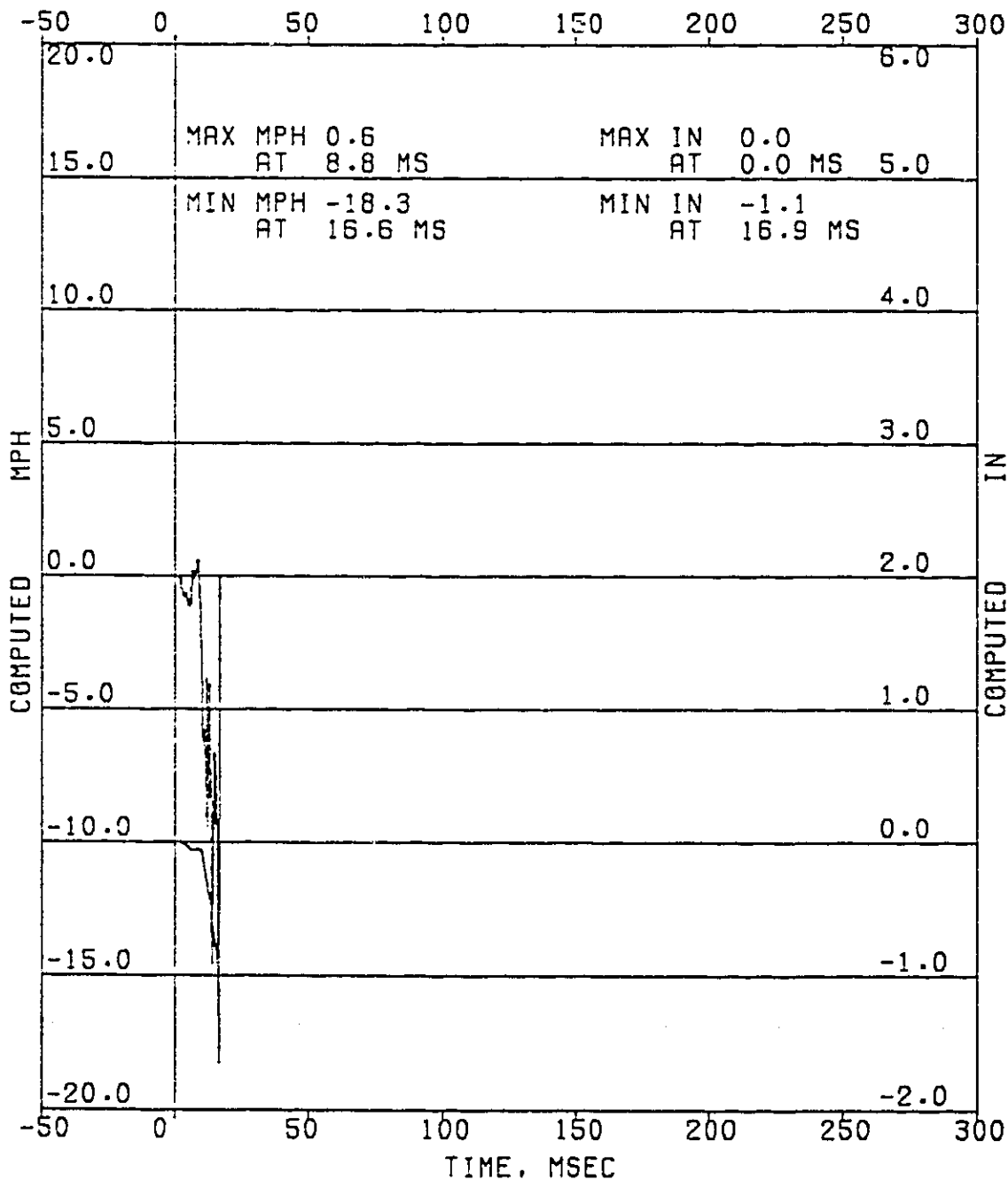
***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 17.0 MS *****
 EA12-005- Chrysler -000908

VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 014 FUEL TANK LEADING EDGE ACCKO

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

IMPACT ANALYSIS DEPT. 5320
 FEB 23, 1995

DATA SET 02/20/95BK
 ERRATA 1



***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 17.0 MS *****

EA12-005- Chrysler -000909

COMPUTED MPH

VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 015 FUEL TANK LEADING EDGEZ RALF8

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

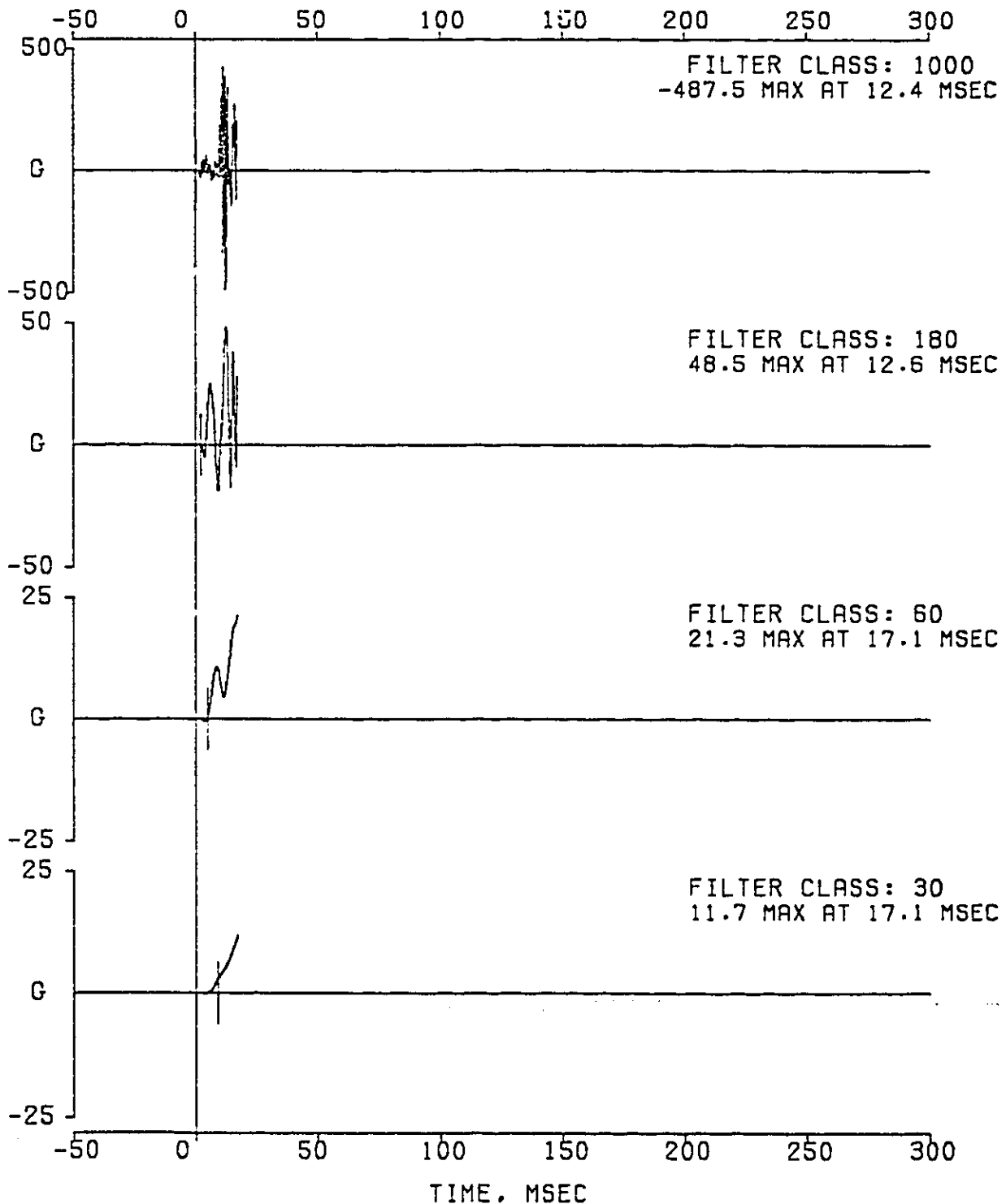
IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BK

FEB 23,1995

ERRATA

1



***** CAUTION *****
***** INST. MALFUNCTION AFTER 17.0 MS *****

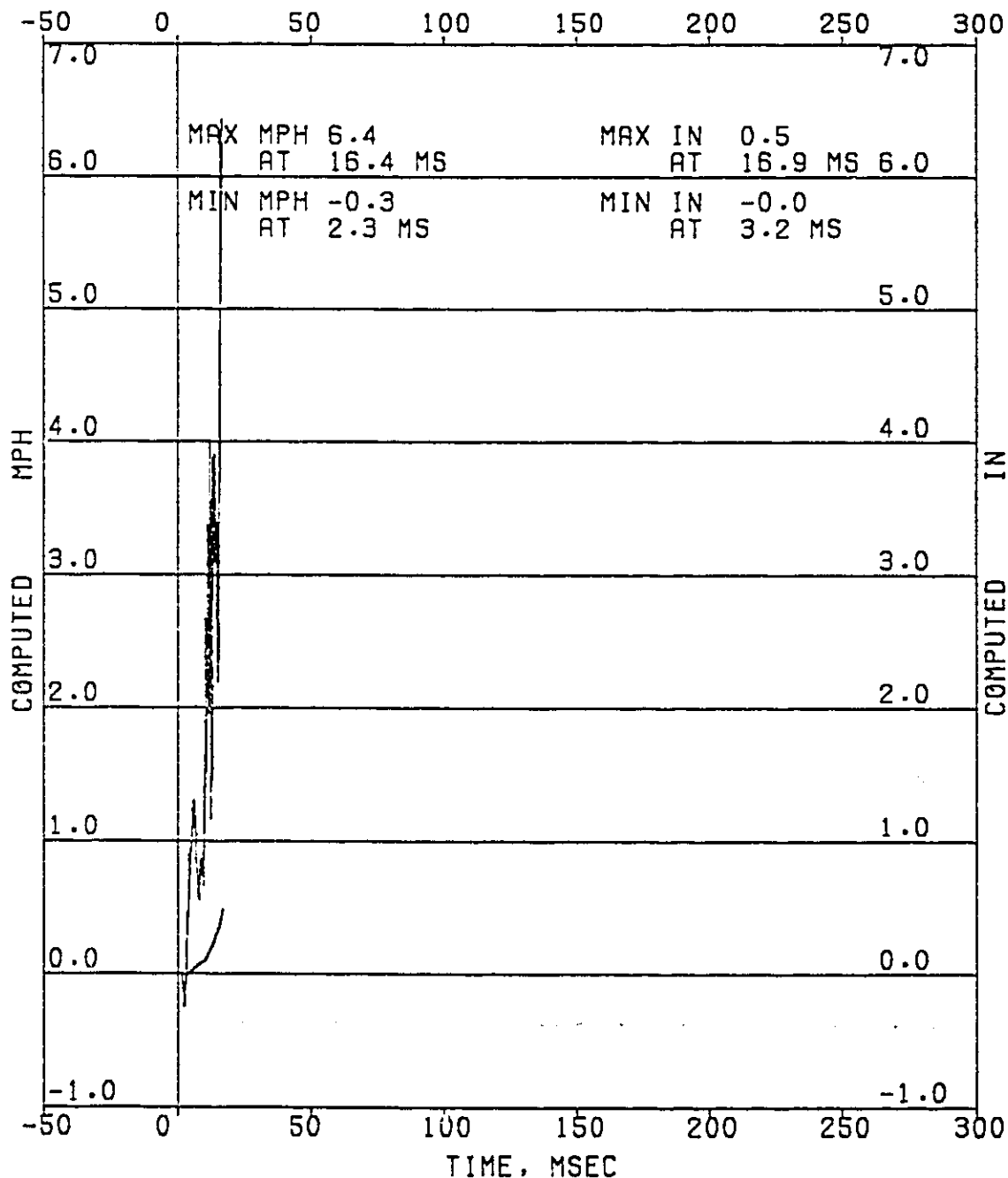
EA12-005- Chrysler -000910

VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 015 FUEL TANK LEADING EDGEZ RALF8

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

IMPACT ANALYSIS DEPT. 5320
 FEB 23.1995

DATA SET 02/20/95BK
 ERRATA 1

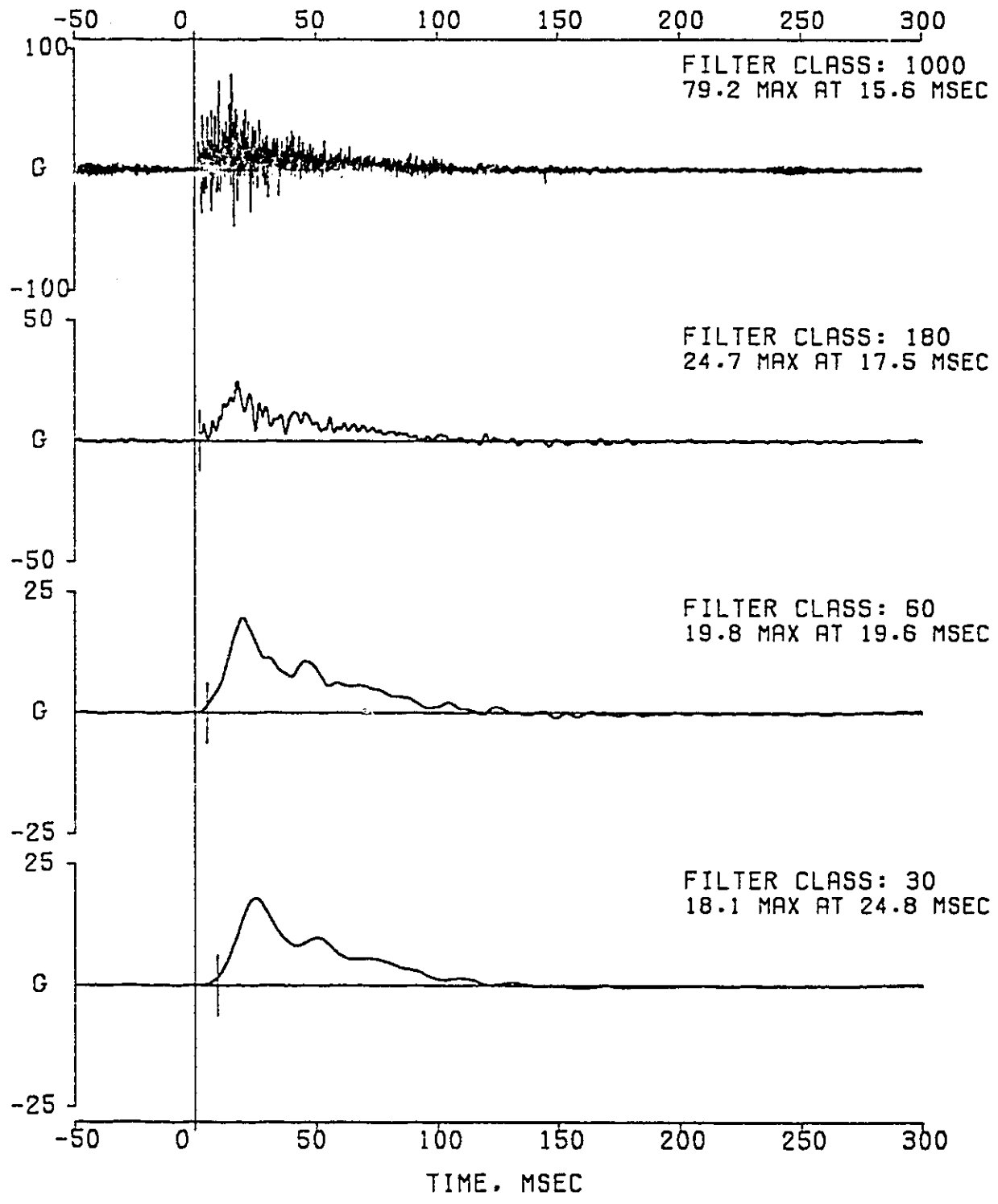


***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 17.0 MS *****

EA12-005- Chrysler -000911

COMPUTED MPH

VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 016 LT RAIL MBAR MID X 277234
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 02/20/95BK
FEB 23, 1995 ERRATA 1

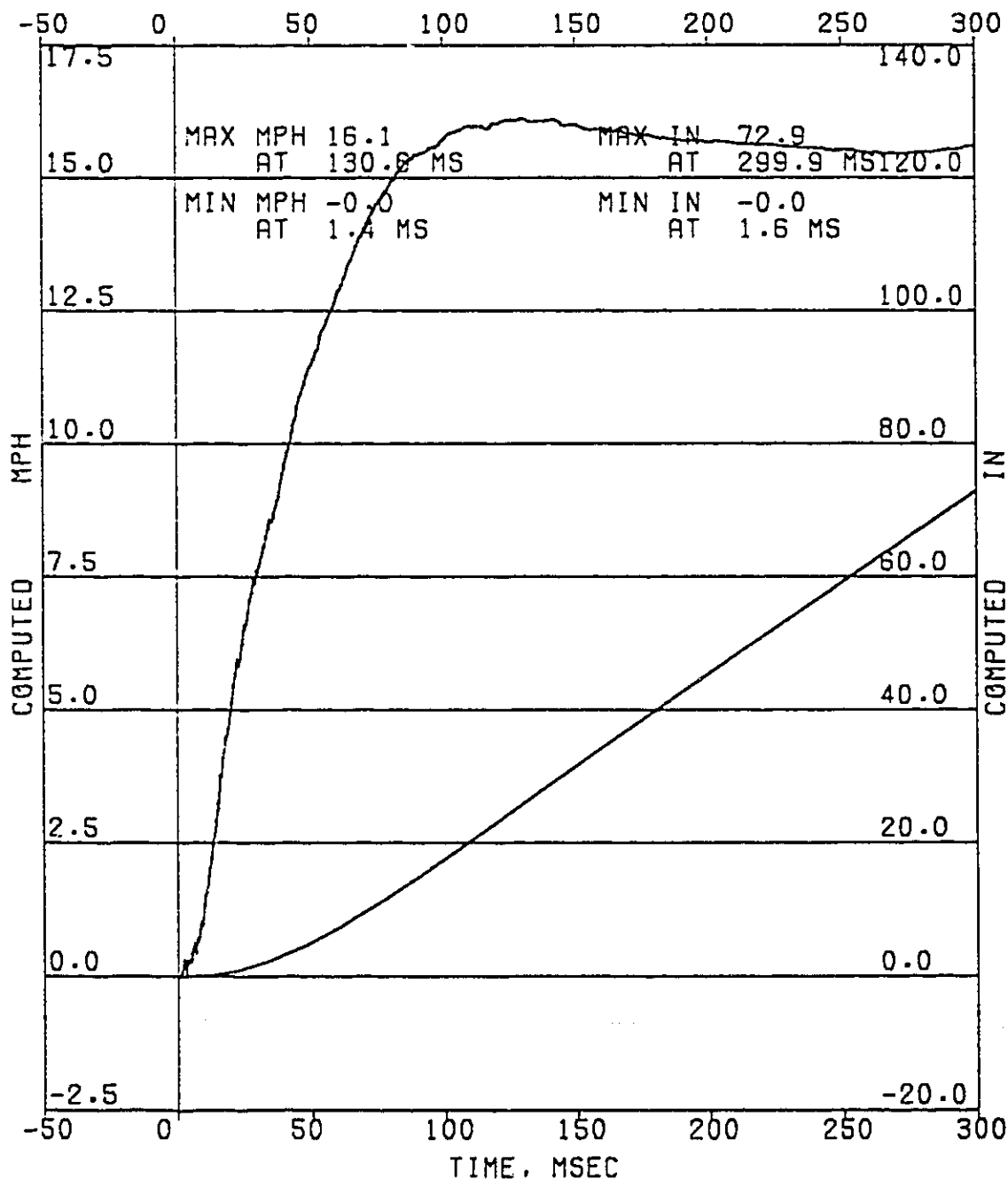


VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225
1997 DEVELOPMENT - MVSS 301.
CHANNEL 016 LT RAIL MBAR MID X 277234

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

IMPACT ANALYSIS DEPT. 5320
FEB 23, 1995

DATA SET 02/20/95BK
ERRATA 1



VC05383 30 MPH REAR IMPACT, XJT74, 4.0L ITEM 7XJ225

1997 DEVELOPMENT - MVSS 301.

CHANNEL 017 RT RAIL MBAR MID X 311287

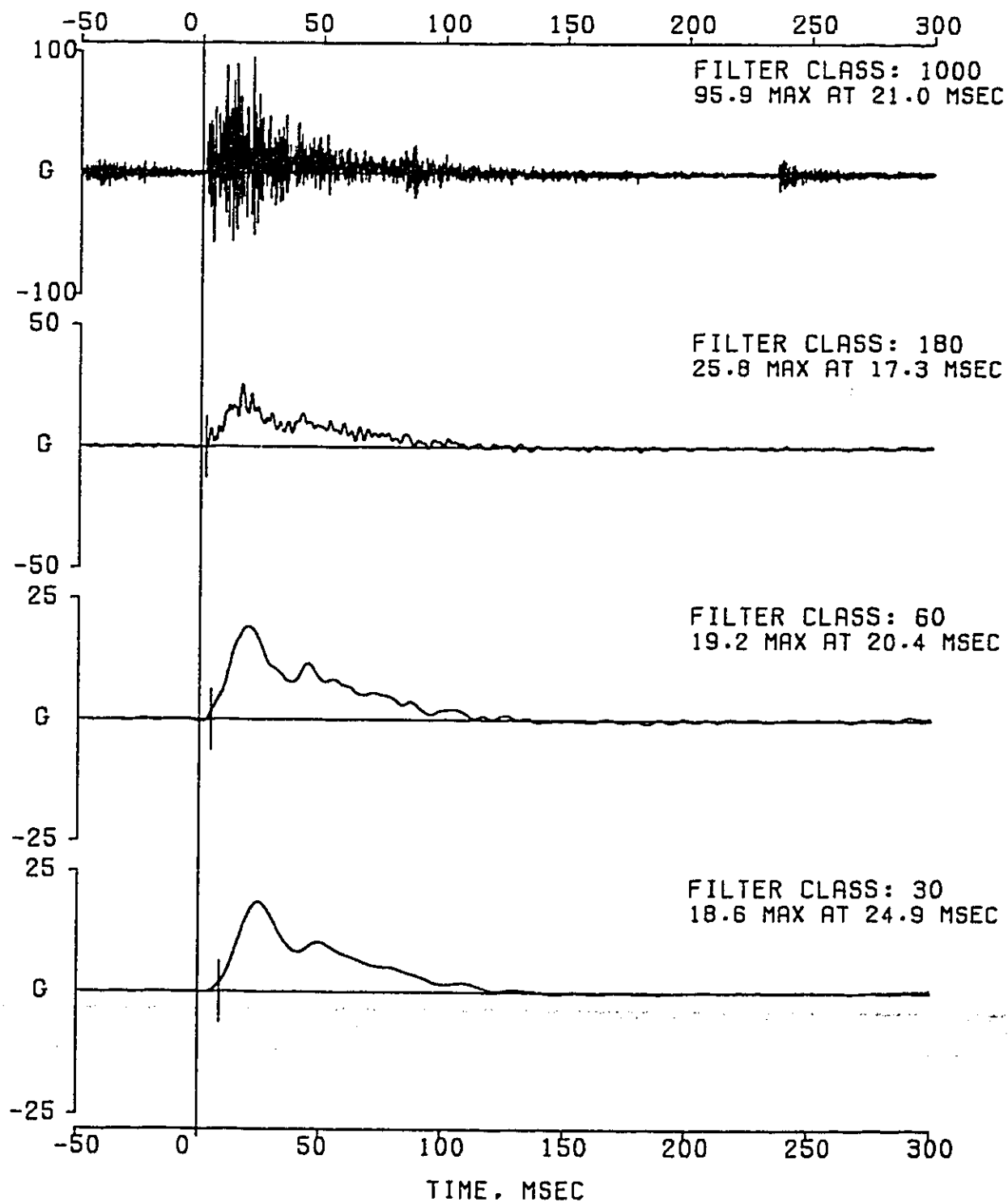
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 02/20/95BL

FEB 23, 1995

ERRATA 1

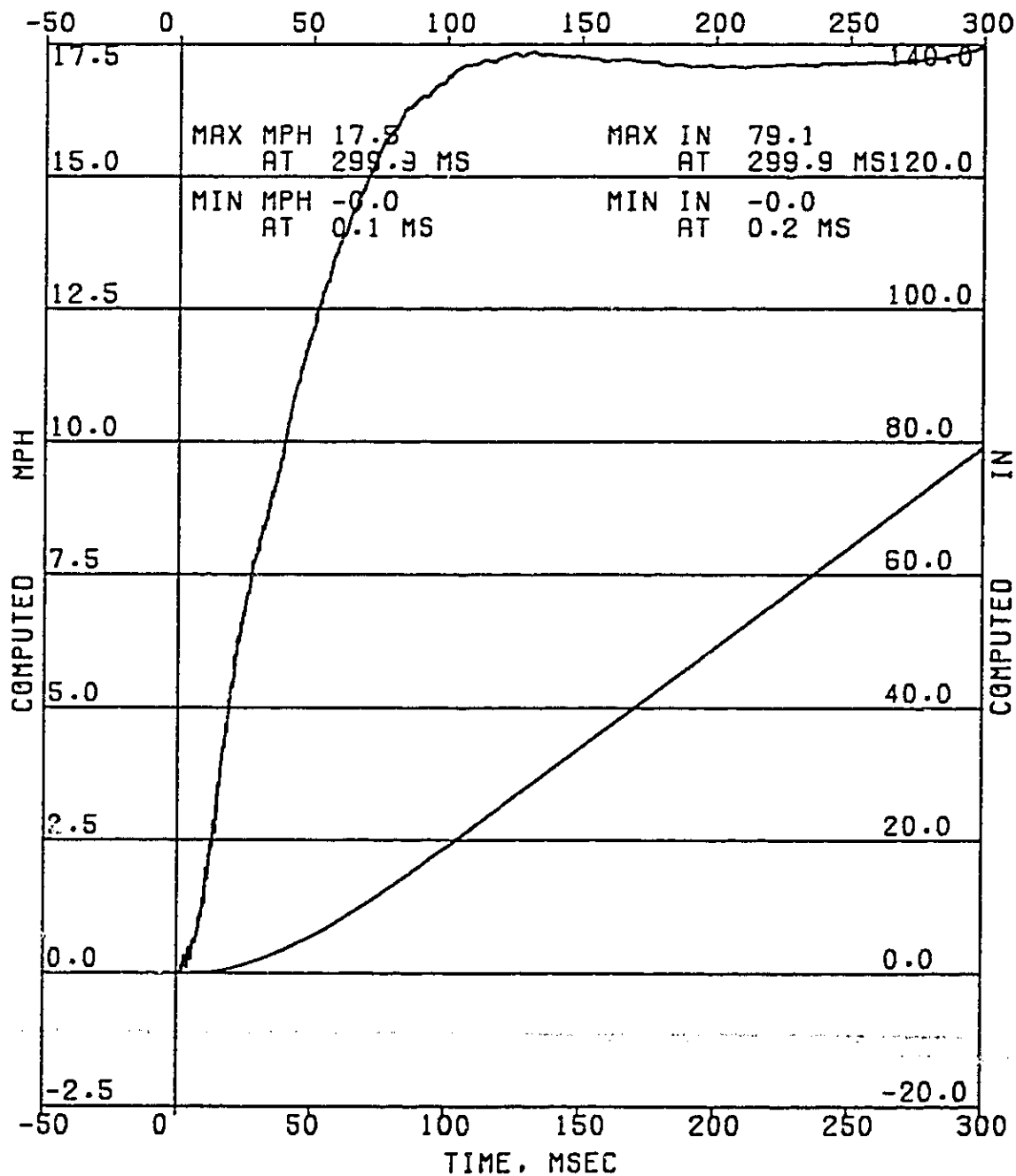


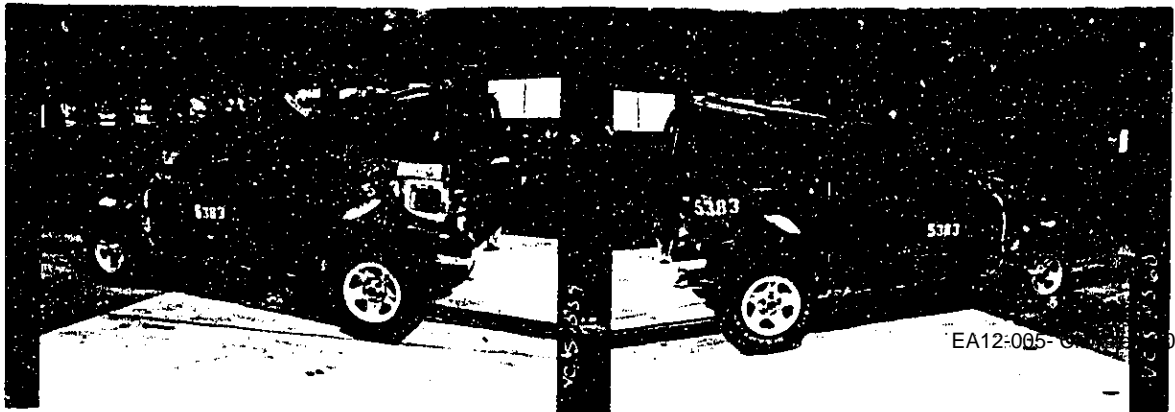
VC05383 30 MPH REAR IMPACT. XJT74. 4.0L ITEM 7XJ225
 1997 DEVELOPMENT - MVSS 301.
 CHANNEL 017 RT RAIL MBAR MID X 311287

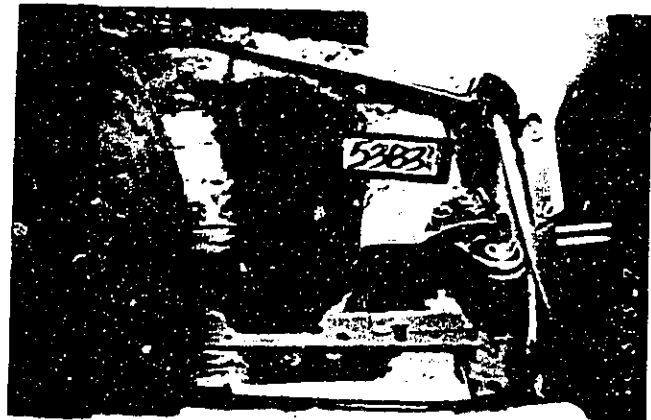
FILTER TYPE: ØBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 FEB 23, 1995

DATA SET 02/20/95BL
 ERRATA 1







EA12-005
CHRYSLER
12-13-2012
Enclosure 6B
301 Developmental Crash
Tests Public
XJ Development Crash Test
vc-5682_01 Public

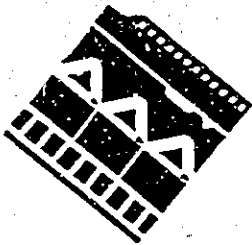


Image Source Inc.

801 Front Street
Toledo, Ohio 43605
419/697/1111
Fax: 419/697/1267

IMAGE & INFORMATION MGT.

DECLARATION OF INTENT AND PURPOSE

I Jennifer Hock,
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 12-23-97
Microfilming Operator Jennifer Hock EA12095-Chrysler-000918
Location 801 Front St.

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC05682 30 MPH TYPE IV REAR IMPACT, XJ JL74, 2.5L ITEM XJ6066R
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 11/04/95

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

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

VEHICLE BODY CLASS; XJ
 CAR LINE; J
 BODY; 74
 ENGINE; 2.5 LITRE
 ENGINE NOTE; ELECTRONIC FUEL INJECTION
 TRANSMISSION; 5 SPEED MANUAL 4x4
 TRANS. NOTE;
 VIN AS TESTED; 1J4FJ28P8VL [REDACTED] MOD.
 VIN AS BUILT; 1J4FJ28P8SL [REDACTED] MOD.

TEST SPEED 30.0 MPH BY ELECTRONIC TRAP.

TEST WEIGHT (LBS) 3972 TOTAL, 2122 FRONT, 1850 REAR

OCCUPANTS LEFT FRONT, HYB II, UNINSTRUMENTED. AD-63
 RESTRAINT-UNIBELT ONLY.
 RIGHT FRONT, HYB II, UNINSTRUMENTED. AD-67
 RESTRAINT-UNIBELT ONLY.

BUILD CONDITION [REDACTED]

TARGET WEIGHT (LBS) 3348 TOTAL, 1780 FRONT, 1568 REAR REP MAX OPT WT
 NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 19 GALLONS OF STODARD SOLVENT.
 315 LBS OF TOTAL BALLAST SECURED TO REAR SEATING
 AREA. (INCLUDES 300 LBS OF LUGGAGE BALLAST.)

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

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC05682 30 MPH TYPE IV REAR IMPACT, XJL74, 2.5L ITEM XJ6066R
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 11/04/95

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)
M.P. LEVINE	422-05-01 (AB)

DATE 11/08/95

TIME 13.23.59.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

ITEM XJ6066R CHARGE NO. FOMOCO ISSUE DATE 10/10/95

VC 5682 30 MPH TYPE IV REAR IMPACT, XJL74, 2.5L.
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.

TEST DATE 11, 4, 95 ENGINEER Collings
SPEED 30.0 MPH SOURCE TUAD

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

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

VEHICLE BODY CLASS; XJ
CAR LINE; J
BODY; 74
ENGINE; 2.5 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 5 SPEED MANUAL 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4FJ28P8VL [REDACTED] MOD.
VIN AS BUILT; 1J4FJ28P8SL [REDACTED] MOD.

BUILD CONDITION



TARGET WEIGHT (LBS) 3348 TOTAL, 1780 FRONT, 1568 REAR REP MAX OPT WT
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

TEST WEIGHT (LBS) 3972 TOTAL, 2122 FRONT, 1850 REAR

FUEL BALLAST 19 GALLONS OF STODARD SOLVENT.

LUGGAGE BALLAST 300 LBS LUGGAGE BALLAST SECURED IN CARGO AREA.

OTHER BALLAST 315 lbs of ballast (total) secured
in rear seating area.

POST TEST REMARKS

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

OCCUPANTS LEFT FRONT, HYB II, UNINSTRUMENTED. AD NO 63
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED. AD NO 62
RESTRAINT-UNIBELT ONLY.

MECHANICAL REQ MEASURE VEHICLE ATTITUDE PRE & POST BUILD-UP,
ADJUST ACCORDINGLY.
PRESSURE CHECK FUEL SYSTEM PRE AND POST TEST.
FUEL PUMP TO BE RUNNING PRE TEST AND DURING TEST.
PAINT REAR STRUCTURE FOR PIT VIEWING.
STATIC ROLL POST TEST.
PAINT FUEL FILLER NECK AND TUBE CONTRASTING COLORS
PAINT FUEL TANK FOR PIT AND SIDE VIEWING.

INSTRUMENTATION REQ SEE 3RD SHEET NC. 102 FOR ACCELEROMETER REQ'S.
HYB II BALLAST DUMMIES.
ADD CONTACT SWITCHES AT:
THE REAR BUMPER RIGHT AND LEFT.
THE REAR BODY SHEET METAL RIGHT AND LEFT.
MONITOR AECM SAFING, SQUIB AND INT. ACCELEROMETER.
BIAXIAL ACCELEROMETERS (X & Y) UNDER DRIVER AND
PASS. SEATS.
TRIAxIAL ACCELEROMETER ON THE AECM BRACKET.
SINGLE AXIS (X) ACCEL. MOUNTED TO AECM BRACKET AT
45 DEGREES LEFT.
SINGLE AXIS (X) ACCEL. MOUNTED TO AECM BRACKET AT
45 DEGREES RIGHT.

PHOTOGRAPHIC REQ 1-RIGHT SIDE OVERALL CAMERA.
1-LEFT SIDE OVERALL CAMERA.
1-PIT CAMERA TO VIEW UNDERBODY, AXLE TO BUMPER.
1-PIT CAMERA FOR VIEWING THE FILLER NECK & TUBE.
1-CATWALK CAMERA FOR OVERALL VIEW OF VEHICLE.
1-VELOCITY CAMERA
1-PANNING CAMERA
1-LEFT SIDE CAMERA TO VIEW REAR RAIL AND WHEEL
IN CLOSEUP.
PRE AND POST PHOTOS OF VEHICLE OVERALL & UNDERBODY
IN COLOR ON 8 X 10 PRINTS

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

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

REMARKS

TEST REQUEST ORIGINATOR M. P. LEVINE (653-5368)
MAKE (1) FILM COPY AND (1) VHS COPY AND SEND TO:
M.P. LEVINE 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)
M.P. LEVINE	422-05-01 (AB)

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

*****CHANGED 10/17/95 AT 10.56.09. SUPPLEMENT NO. 01

VEHICLE

MODIFY VIN AS BUILT; 1J4FJ28P85L [REDACTED] MOD.
TO READ VIN AS BUILT; 1J4FJ28P8SL [REDACTED] MOD.

BUILD CONDITION

DELETE STEEL BRAKE SLED BRACKET
DELETE F08 LEVEL CAST MAGNESIUM STEERING COLUMN SUPPORT.
DELETE INJECTION MOLDED INSTRUMENT PANEL.

TARGET WEIGHT (LBS)

MODIFY 3313 TOTAL, 1831 FRONT, 1482 REAR REP BASE VEH. WT
TO READ 3348 TOTAL, 1780 FRONT, 1568 REAR REP MAX OPT WT
DELETE FOR A 4.0 L VEHICLE.

MECHANICAL REQ

MODIFY TARGET VEHICLE PER 3RD SHEET NO. 116.
TO READ TARGET VEHICLE PER 3RD SHEET NO 102.

INSTRUMENTATION REQ

MODIFY SEE 3RD SHEET NO. 116 FOR ACCELEROMETER REQ'S.
TO READ SEE 3RD SHEET NO. 102 FOR ACCELEROMETER REQ'S.
MODIFY THE REAR BODY SHEET METAL RIGHT AND LEFT.
TO READ THE REAR BODY SHEET METAL RIGHT AND LEFT.
ADD MONITOR AECM SAFING, SQUIB AND INT. ACCELEROMETER.
ADD TRIAXIAL ACCELEROMETER ON THE AECM BRACKET.
ADD SINGLE AXIS (X) ACCEL. MOUNTED TO AECM BRACKET AT
ADD 45 DEGREES LEFT.
ADD SINGLE AXIS (X) ACCEL. MOUNTED TO AECM BRACKET AT
ADD 45 DEGREES RIGHT.

*****CHANGED 10/23/95 AT 06.55.18. SUPPLEMENT NO. 02

INSTRUMENTATION REQ

ADD BIAXIAL ACCELEROMETERS (X & Y) UNDER DRIVER AND
ADD PASS. SEATS.

*****CHANGED 10/27/95 AT 13.35.59. SUPPLEMENT NO. 03

MECHANICAL REQ

DELETE TARGET VEHICLE PER 3RD SHEET NO 102.

*****CHANGED 11/01/95 AT 08.19.31. SUPPLEMENT NO. 04

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

MECHANICAL REQ

DELETE WITH FUEL PUMP RUNNING.
MODIFY ROLL OVER POST TEST.
TO READ STATIC ROLL POST TEST.

PHOTOGRAPHIC REQ

MODIFY 1-PIT CAMERA FOR FULL UNDER BODY VIEW.
TO READ 1-PIT CAMERA TO VIEW UNDERBODY, AXLE TO BUMPER.
DELETE 1-VIDEO CAMERA FOR RIGHT SIDE OVERALL

X, Y, Z DIMENSIONS

TEST NUMBER VC5682

TEST ENGINEER COLLINGS

ITEM NUMBER XJ6066R V.I.N. 1J4FJ28P8VL

TEST DATE 11/4/95

TEST TYPE: 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

LOCATION	X	Y	Z	LOCATION	X	Y	Z
BC1	XXXX 2.2	0.0	XXXX	BC2		0.0	XXXX
B1	0.0	- 17.7	XXXX	B2	0.0	18.6	XXXX
LFS	57.1	44- - 31.6	14.0			44-	
LMS	87.1	44- - 31.9	14.0			44-	
LRA	123.9	44- - 32.9	13.1			44-	

TRAMMEL DIMENSIONS;

LMS-LRS PRE 30.10

TUBE COLOR Blue

FRONT SILL

X= 57.1
Y= -31.6
Z= 13.3

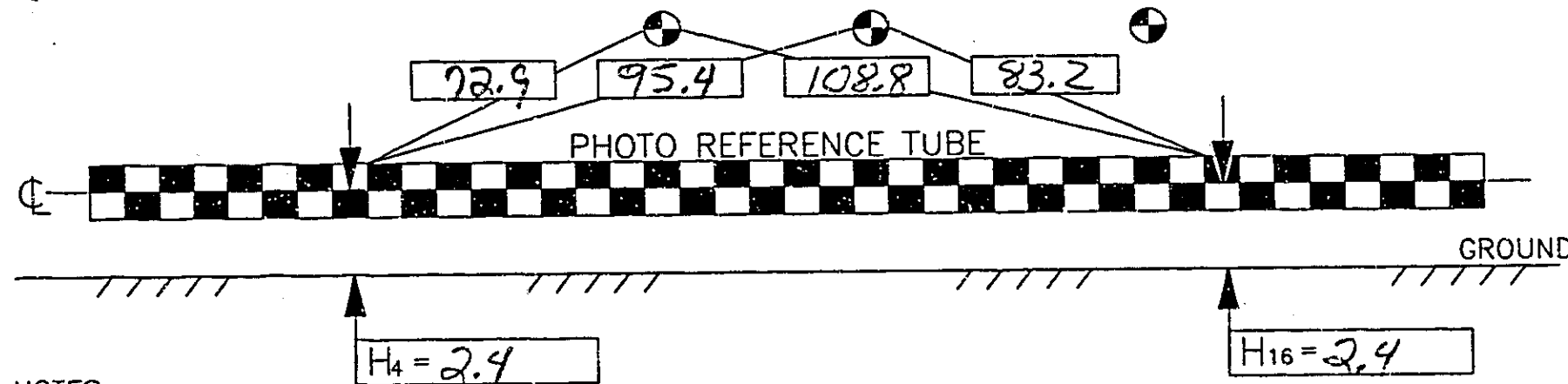
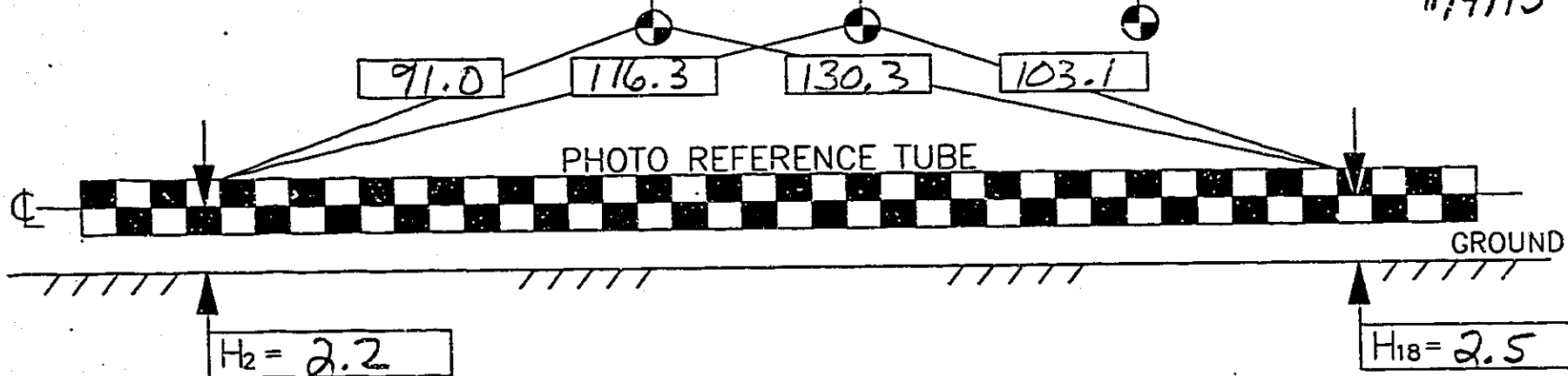
REAR SILL

X= 87.1
Y= -31.9
Z= 13.3

REAR AXLE

X= 123.9
Y= -32.9
Z= 13.0

11/4/95



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

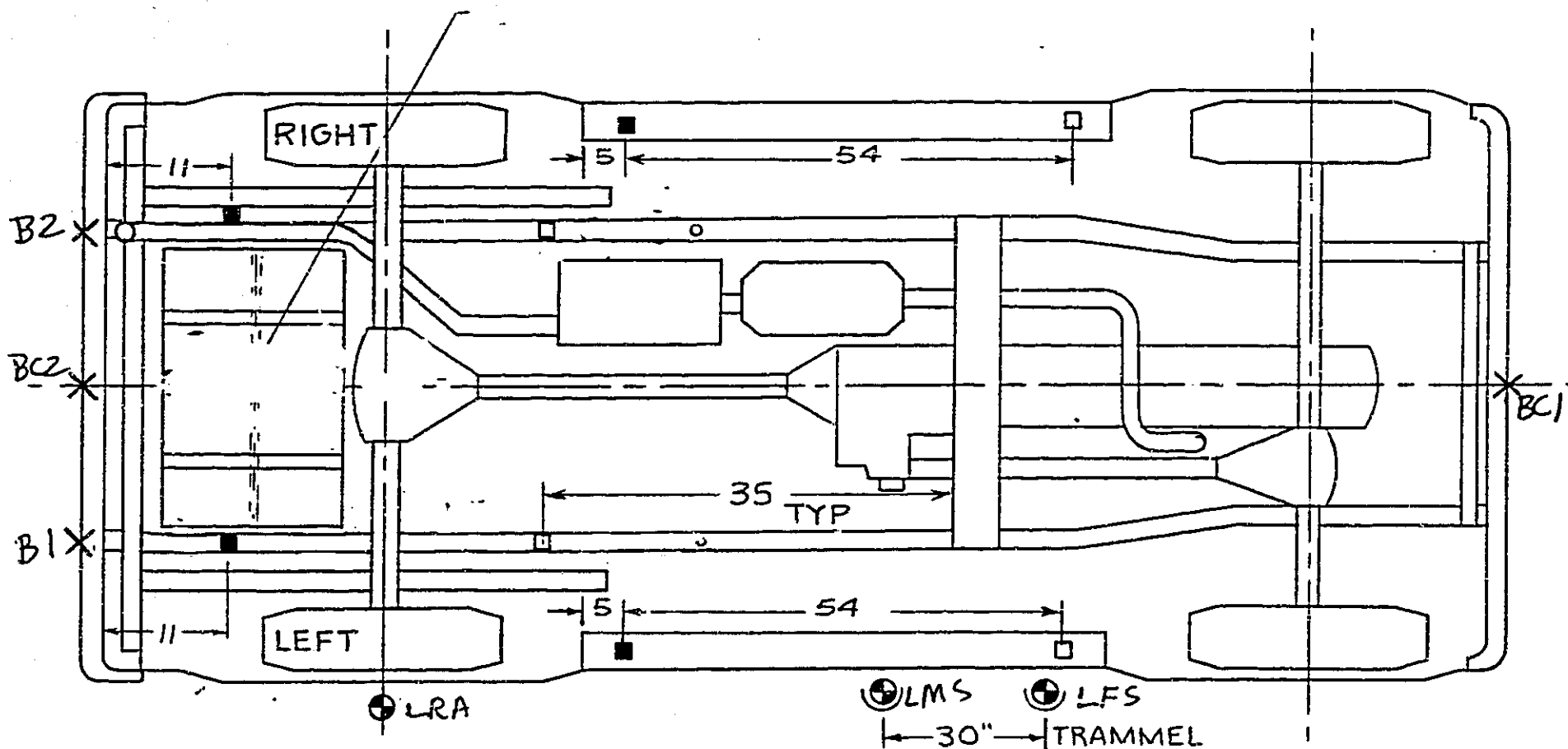
FOR REAR IMPACT TESTS - DIMENSIONING BETWEEN SILL TARGETS AND PHOTO REFERENCE TUBE
TEST ENGR Collings
VC 5682

TUBSIDE.DRW MASTFILE FA FORMS REVISED 06-11-93

THIRD SHEET 102, ITEM ~~X3606R~~ VC 5682
 JEEP HEROKEE 4x4
 TARGET AND ACCELEROMETER LOCATIONS
 FOR REAR IMPACTS

ZENONS REQD ON ROOF

ELEC FUEL PUMP TO BE
 RUNNING DURING IMPACT



TARGETS X PUNCH POINT
 ⊕ UNDERBODY
 ⊕ SIDE VIEW

- NOTES -
1. PRE AND POST DIMENSIONS ARE REQUIRED PER BREITMOSER LETTER OF 01-04-88
 2. NUMBERS ASSIGNED TO EACH TARGET ARE PERMANENT.
 3. TARGETS MAY BE DELETED BY NUMBER PER TR.
 4. ADDITIONAL TARGETS MAY BE REQUESTED BY TR.
 5. LOCATIONS SHOWN ARE APPROX TO ± 0.5 IN. ACTUAL MEASUREMENT TO ± 0.1 INCH.

LEGEND
 ACCELEROMETERS □ SINGLE AXIS, X
 ■ BIAxIAL, X & Z

VEHICLE ATTITUDE

TEST NUMBER VC5682

TEST ENGINEER COLLINGS

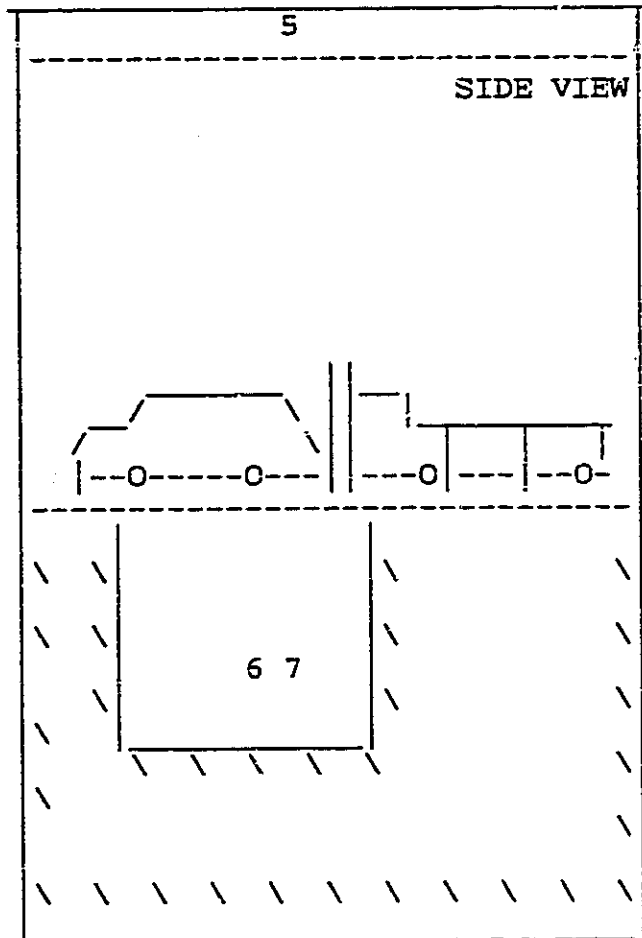
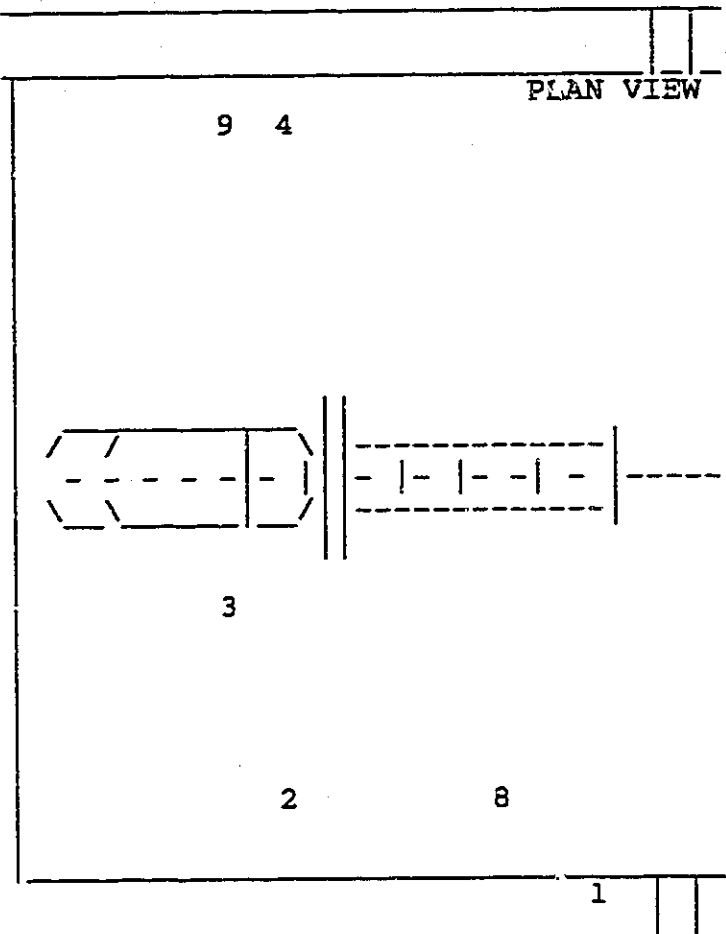
ITEM NUMBER XJ6066R

TEST DATE 11/4/95

FENDER/WHEELWELL HEIGHTS SILL HEIGHTS

	LF	LR	RF	RR
AS RECEIVED	31.0*	30.5	30.9*	30.5
AS BUILT-UP	31.5	30.1	31.4	29.5
AS TESTED				

* distorted from 1st Test



TEST NUMBER VC5682 TEST TYPE: 30 MPH TYPE IV MOVING BARRIER REAR IMPACT
 TEST ENGINEER COLLINGS REQUEST DATE : 10/25/95 VEHICLE BODY CLASS : XJ

#	VIEW DESCRIPTION	CAM S/N	LENS F.L.	LENS S/N	LENS MFG.	F-STOP	PNL	SKT	CBL	CAM MFG
1	PANNING									
2	LT. OVERALL-DYNAMIC/CLASH	1876	25mm	106472	KIN	5.6/4	12	3	33	
3										
4	RT. OVERALL	1078	18mm	107231		5.6/4	8	1	47	
5	CATWALK OVERALL	426	18mm	107233		8/2				
6	PIT-OVERALL	427	13mm	9397	LOS	5.6/2		4	24	
7	PIT-FILLER NECK & TUBE	428	200m	953	WINNED	4/2		1	21	
8	A-VELOCITY	287	100mm	D73487	KOL	5.6/4	11	4	48	
9	EKTAPRO-OVERALL Left		25mm	89162	KIN	8				

11-5-95

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC5682 ITEM NUMBER XJ6066R TEST ENGINEER COLLINGS

V.I.N. 1J4FJ28P8VL [REDACTED] TEST DATE 11/4/95, ROLL DATE 11/9/95

TEST TYPE; 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 19.0 GALLONS

TEST SPEED 30.0 MPH, TEST WEIGHT 3972 POUNDS.

POST TEST FUEL SYSTEM OBSERVATIONS No fuel leaks at impact.
No leaks during rollover.
Fuel System Integrity was maintained.

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

POST TEST PRESSURE CHECK 10 min - no leaks (35" H₂O)

ELECTRIC FUEL PUMP RUN N/C

STATIC ROLL LEAKAGE WITH VEHICLE Left SIDE DOWN FIRST

		FUEL LEAKAGE LOCATIONS DURING STATIC ROLL				TOTAL	
ROLL TIME							
0-90	1ST 5 MIN					Ø	*
<u>2:12</u>	POST 5 MIN					Ø	**
90-180	1ST 5 MIN					Ø	*
<u>2:15</u>	POST 5 MIN					Ø	**
180-270	1ST 5 MIN					Ø	*
<u>2:02</u>	POST 5 MIN					Ø	**
270-360	1ST 5 MIN					Ø	*
<u>2:01</u>	POST 5 MIN					Ø	**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

LAST FORM MODIFICATION 5/27/93 - GAB

RECEIVED NOV 20 1995

FILED NOV 20 1995

DATE 11/08/95
TIME 14.08.24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC05682 ITEM XJ6066R
VC05682 30 MPH TYPE IV REAR IMPACT, XJL74, 2.5L ITEM XJ6066R
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 11/04/95

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

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

VEHICLE BODY CLASS; XJ
CAR LINE; J
BODY; 74
ENGINE; 2.5 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 5 SPEED MANUAL 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4FJ28P8VL [REDACTED] MOD.
VIN AS BUILT; 1J4FJ28P8SL [REDACTED] MOD.

TEST SPEED 30.0 MPH BY ELECTRONIC TRAP.

TEST WEIGHT (LBS) 3972 TOTAL, 2122 FRONT, 1850 REAR

OCCUPANTS LEFT FRONT, HYB II, UNINSTRUMENTED. AD-63
RESTRAINT-UNIBELT ONLY.
RIGHT FRONT, HYB II, UNINSTRUMENTED. AD-67
RESTRAINT-UNIBELT ONLY.

BUILD CONDITION [REDACTED]

TARGET WEIGHT (LBS) 3348 TOTAL, 1780 FRONT, 1568 REAR REP MAX OPT WT
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

FUEL AND BALLAST 19 GALLONS OF STODARD SOLVENT.
315 LBS OF TOTAL BALLAST SECURED TO REAR SEATING
AREA. (INCLUDES 300 LBS OF LUGGAGE BALLAST.)

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

DATE 11/08/95
TIME 14.08.24.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC05682 ITEM XJ6066R
VC05682 30 MPH TYPE IV REAR IMPACT, XJL74, 2.5L ITEM XJ6066R
1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
TEST DATE 11/04/95

EDP TECHNICIAN S. MARCHENIA

No. of Pages 51
CC

M. P. LEVINE 422-05-01
D. J. MCKENZIE 422-05-01

TITLE: Page Index of EDP plots Pages 001 - 051
***** VC05682A ***** 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 - 030

***** VC05682B ***** Pages 005 - 047

TITLE: Vehicle Channels
PAGE: 005 Average of Sill Chls 1, 2, 3, & 5
PAGE: 006 Average of Frt Sill Chls 1 & 2
PAGE: 007 LEFT FRONT SILL X, Chl 1
PAGE: 008 LEFT FRONT SILL X, Chl 1, VD
PAGE: 009 RIGHT FRONT SILL X, Chl 2
PAGE: 010 RIGHT FRONT SILL X, Chl 2, VD
PAGE: 011 LEFT REAR SILL X, Chl 3
PAGE: 012 LEFT REAR SILL X, Chl 3, VD
PAGE: 013 LEFT REAR SILL Z, Chl 4
PAGE: 014 RIGHT REAR SILL X, Chl 5
PAGE: 015 RIGHT REAR SILL X, Chl 5, VD
PAGE: 016 RIGHT REAR SILL Z, Chl 6
PAGE: 017 LT RR RL SPRG HNG FT X, Chl 7
PAGE: 018 LT RR RL SPRG HNG FT X, Chl 7, VD
PAGE: 019 RT RR RL SPRG HNG FT X, Chl 8
PAGE: 020 RT RR RL SPRG HNG FT X, Chl 8, VD
PAGE: 021 RT REAR RAIL MID TANK X, Chl 9
PAGE: 022 RT REAR RAIL MID TANK X, Chl 9, VD
PAGE: 023 RT REAR RAIL MID TANK Z, Chl 10
PAGE: 024 LT REAR RAIL MID TANK X, Chl 11
PAGE: 025 LT REAR RAIL MID TANK X, Chl 11, VD
PAGE: 026 LT REAR RAIL MID TANK Z, Chl 12
PAGE: 027 AECM BRKT 45 LT X, Chl 13
PAGE: 028 AECM BRKT 45 LT X, Chl 13, VD
PAGE: 029 AECM BRKT 45 RT X, Chl 14
PAGE: 030 AECM BRKT 45 RT X, Chl 14, VD
PAGE: 031 AECM BRKT Y, Chl 15
PAGE: 032 AECM BRKT X, Chl 16
PAGE: 033 AECM BRKT X, Chl 16, VD
PAGE: 034 AECM BRKT Z, Chl 17
PAGE: 035 AECM INTERN ACCEL G, Chl 18
PAGE: 036 AECM SQUIB, Chl 19, Event *N*
PAGE: 037 AECM SAFING SEN, Chl 20, Event *N*
PAGE: 038 LT RR BUMPER EVENT, Chl 21, Event *N*
PAGE: 039 RT REAR BUMPER EVENT, Chl 22, Event *N*
PAGE: 040 LT REAR BODY EVENT, Chl 23, Event *N*
PAGE: 041 RT REAR BODY EVENT, Chl 24, Event *N*
PAGE: 042 LT SEAT MIDPAN X, Chl 27
PAGE: 043 LT SEAT MIDPAN X, Chl 27, VD
PAGE: 044 LT SEAT MIDPAN Y, Chl 28
PAGE: 045 RT SEAT MIDPAN X, Chl 29
PAGE: 046 RT SEAT MIDPAN X, Chl 29, VD
PAGE: 047 RT SEAT MIDPAN Y, Chl 30

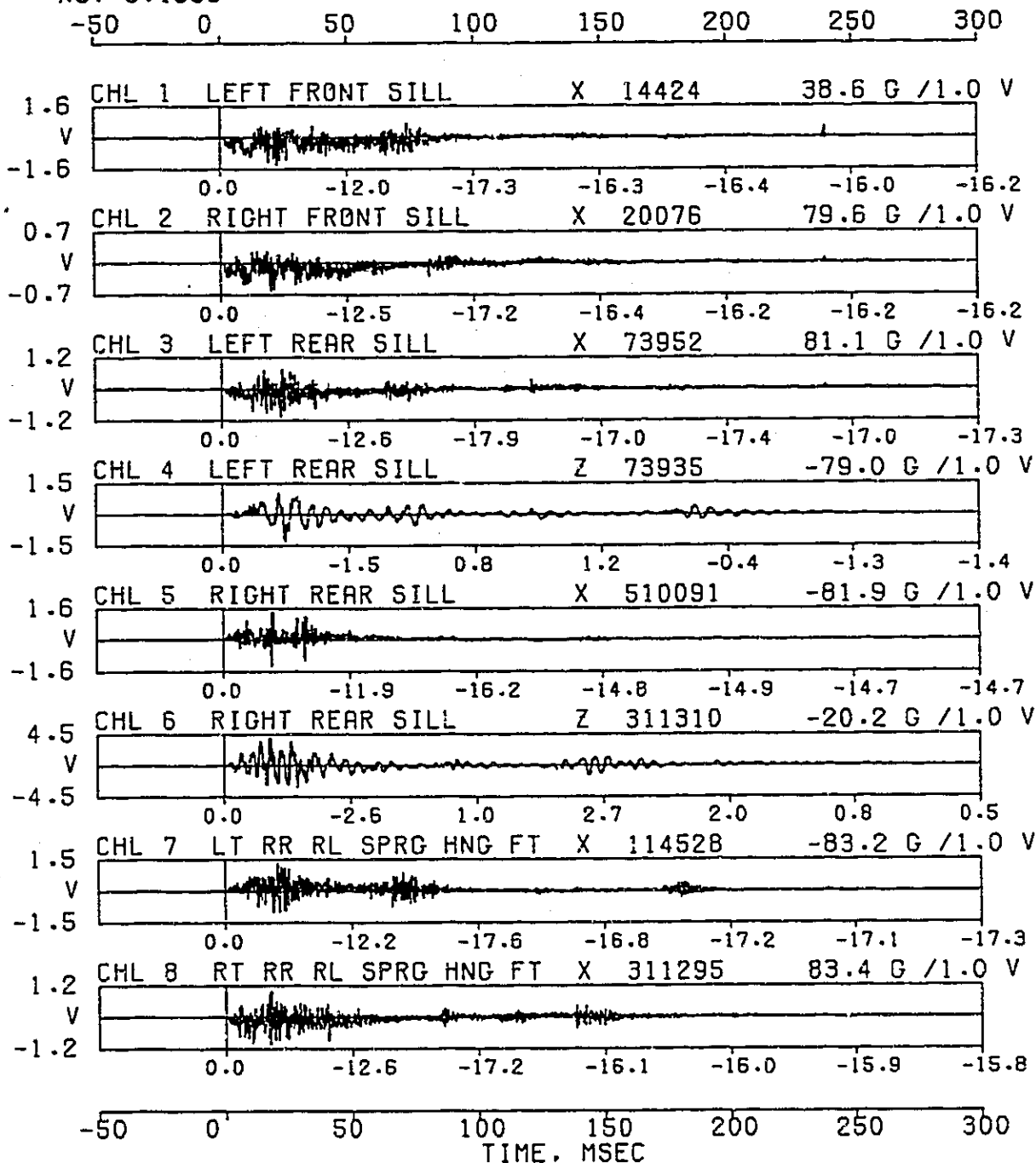
***** VC05682C ***** Pages 048 - 051

TITLE: Moving barrier Channels
PAGE: 048 LT RAIL MBAR MID X Chl 25
PAGE: 049 LT RAIL MBAR MID X, Chl 25, VD
PAGE: 050 RT RAIL MBAR MID X Chl 26
PAGE: 051 RT RAIL MBAR MID X, Chl 26, VD

TRANSDUCER SUMMARY REPORT

VCD5682 30 MPH TYPE IV REAR IMPACT.XJL74.2.5L ITEM XJ6066R
 1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
 IMPACT ANALYSIS DEPT. 5320
 NOV 8.1995

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 ERRATA 1



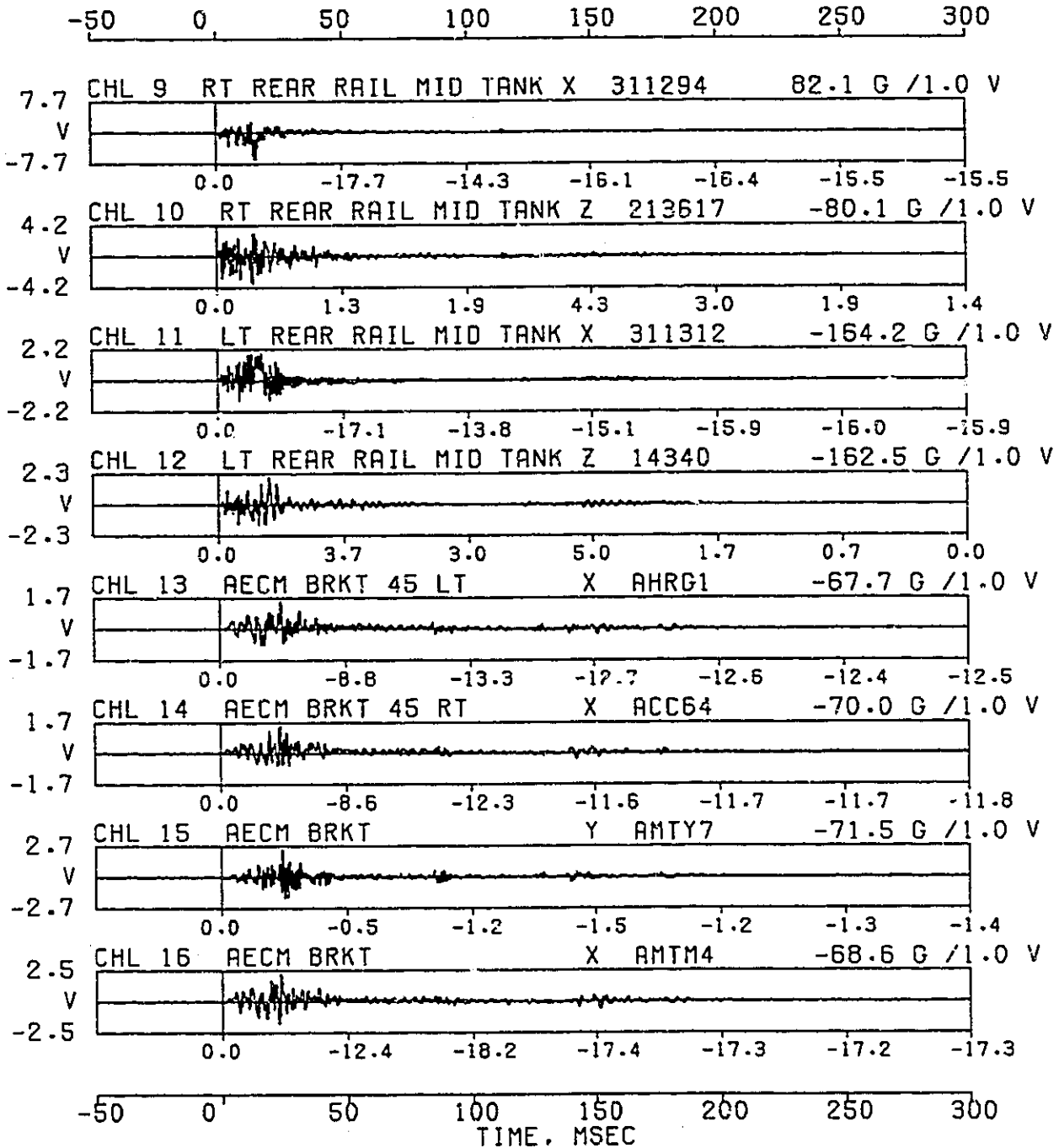
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC05682 30 MPH TYPE IV REAR IMPACT.XJL7.2.5L ITEM XJ6066R
 1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
 IMPACT ANALYSIS DEPT. 5320
 NOV 8.1995

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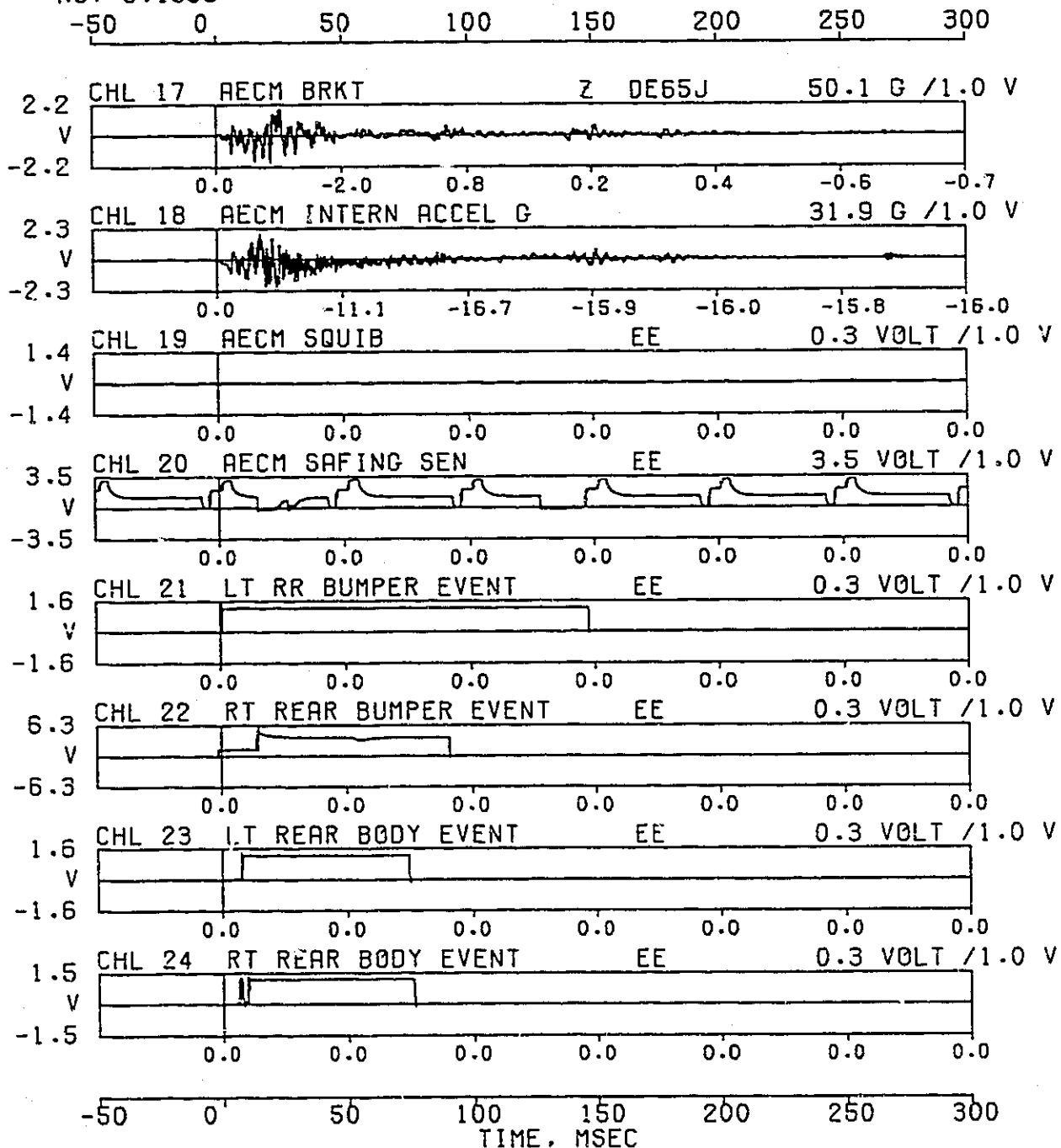


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
 1997 FMVSS 301, FUEL SYSTEM INTEGRITY.
 IMPACT ANALYSIS DEPT. 5320
 NOV 8.1995

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 OF 051
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 ERRATA 1

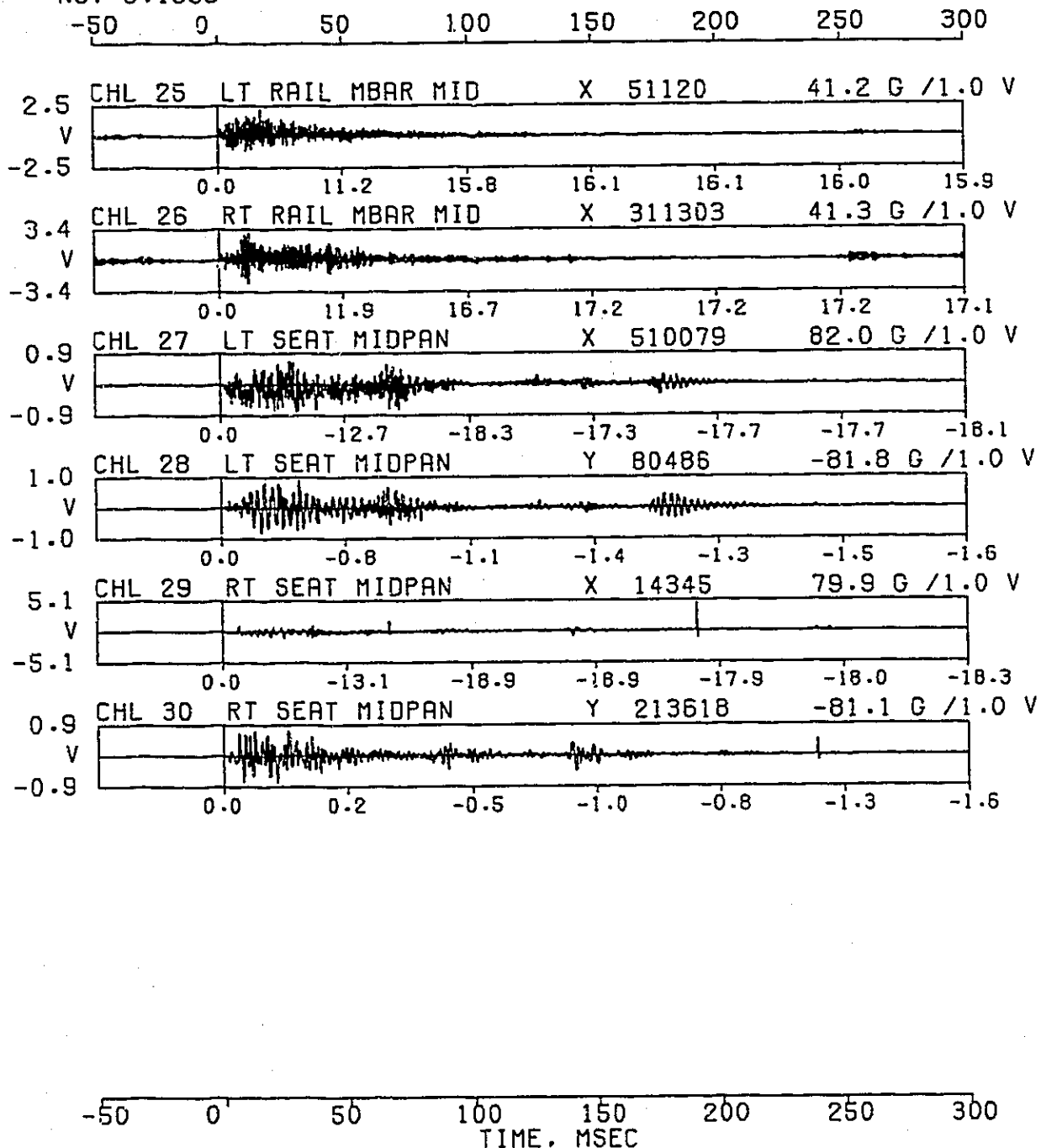


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC05682 30 MPH TYPE IV REAR IMPACT, XJL74.2.5L ITEM XJ6066R
 1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
 IMPACT ANALYSIS DEPT. 5320
 NOV 8.1995

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 DATA SET 11/04/95BG
 ERRATA 1



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

VC05682 30 MPH TYPE IV REAR IMPACT.X.IJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
AVERAGE OF

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OF 051

CHANNEL 001	LEFT FRONT SILL	X	14424
CHANNEL 002	RIGHT FRONT SILL	X	20076
CHANNEL 003	LEFT REAR SILL	X	73952
CHANNEL 003	RIGHT REAR SILL	X	510091

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

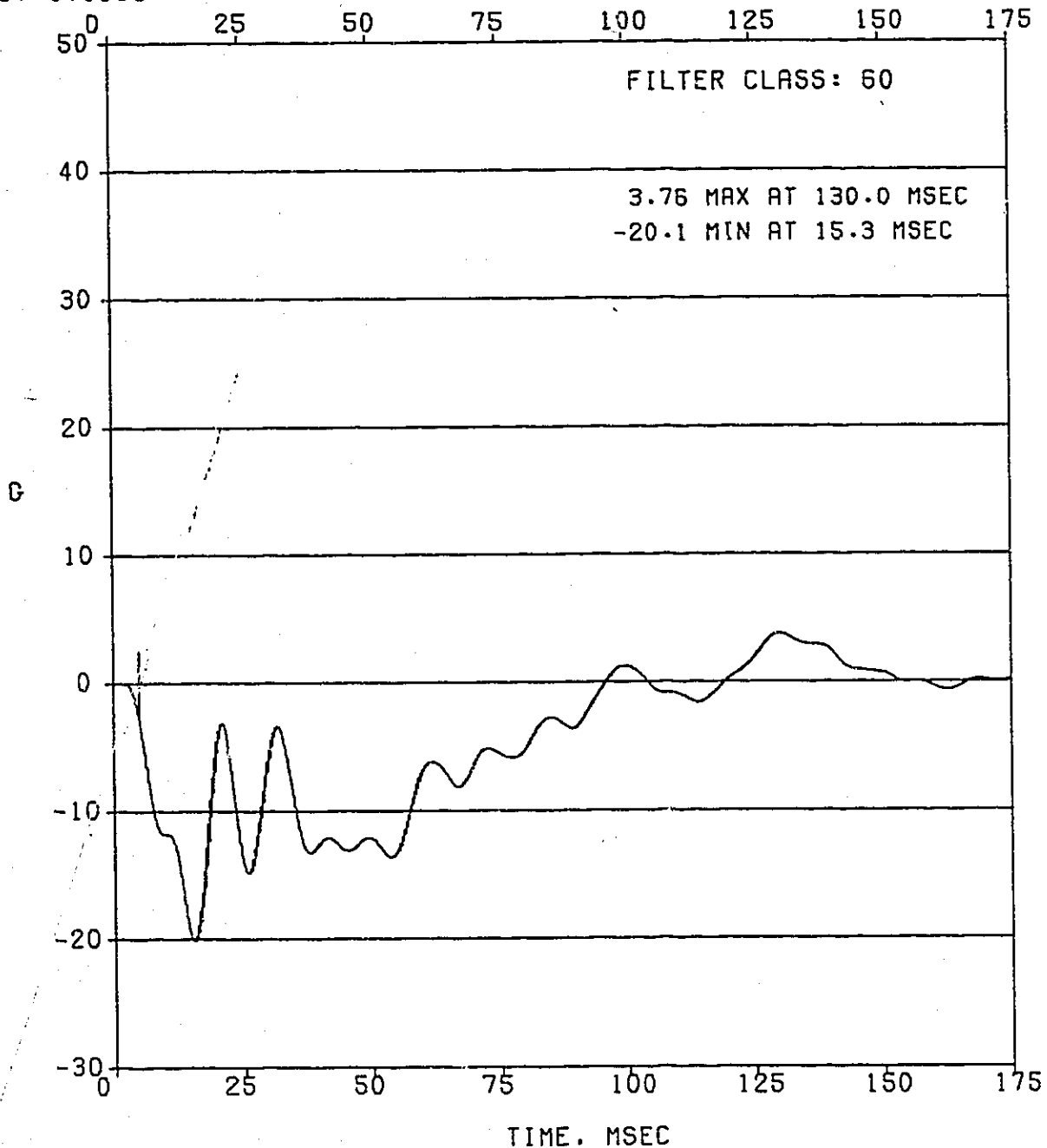
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DATA SET 11/04/95BF

NOV 8, 1995

ERRATA

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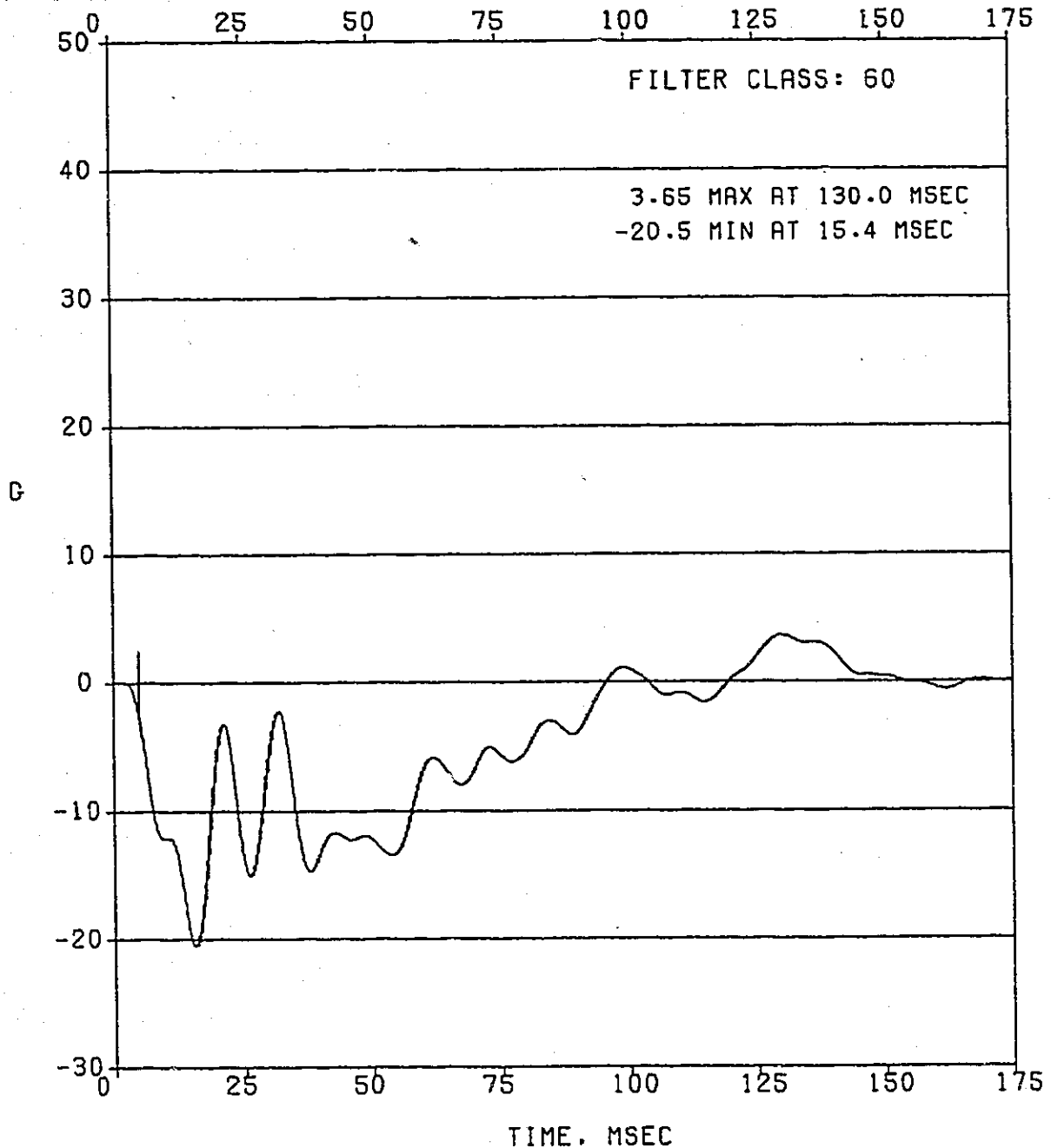
VC05682 30 MPH TYPE IV REAR IMPACT.XJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
AVERAGE OF

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CHANNEL 001 LEFT FRONT SILL X 14424
CHANNEL 002 RIGHT FRONT SILL X 20076

FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

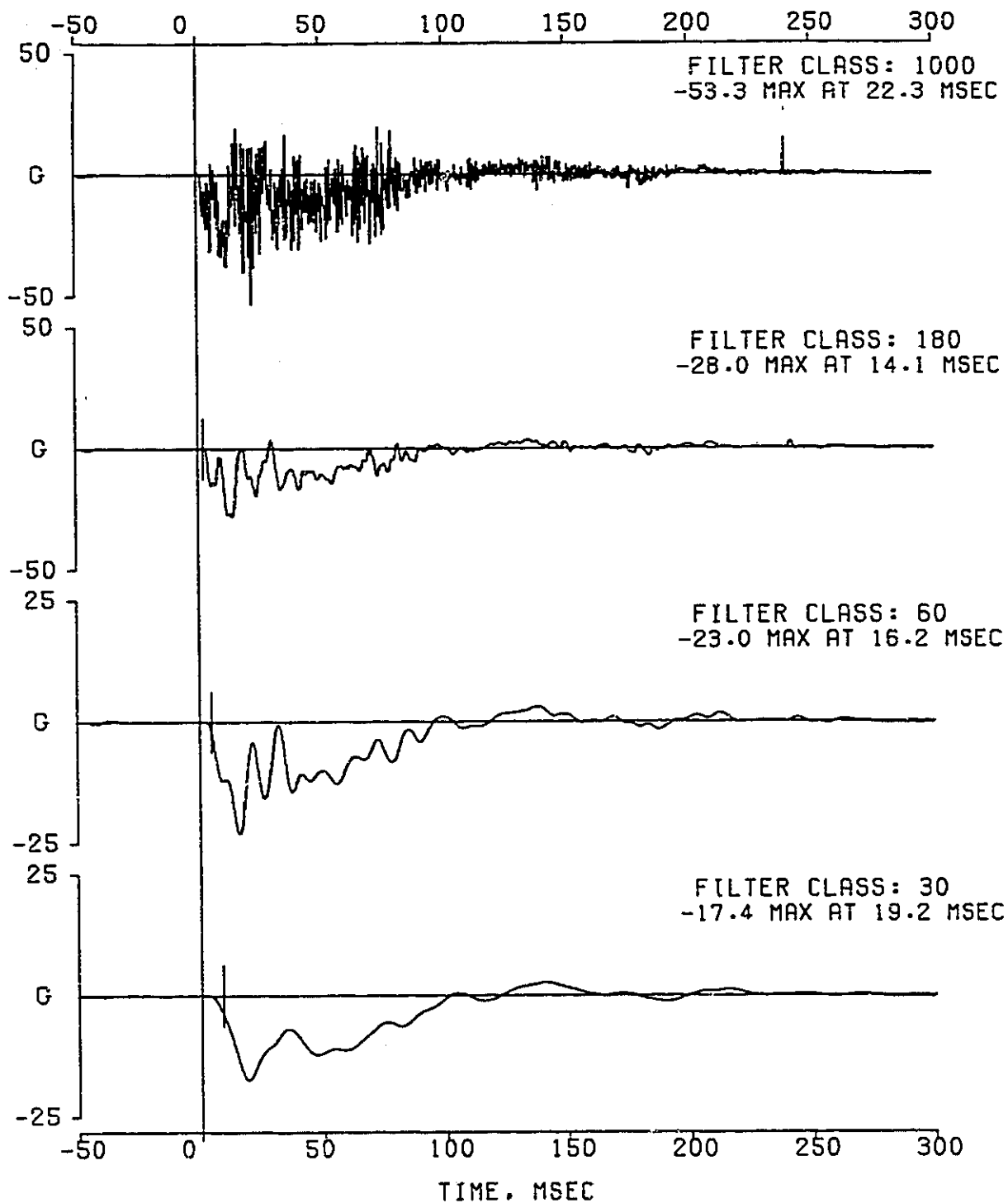
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VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 001 LEFT FRONT SILL X 14424
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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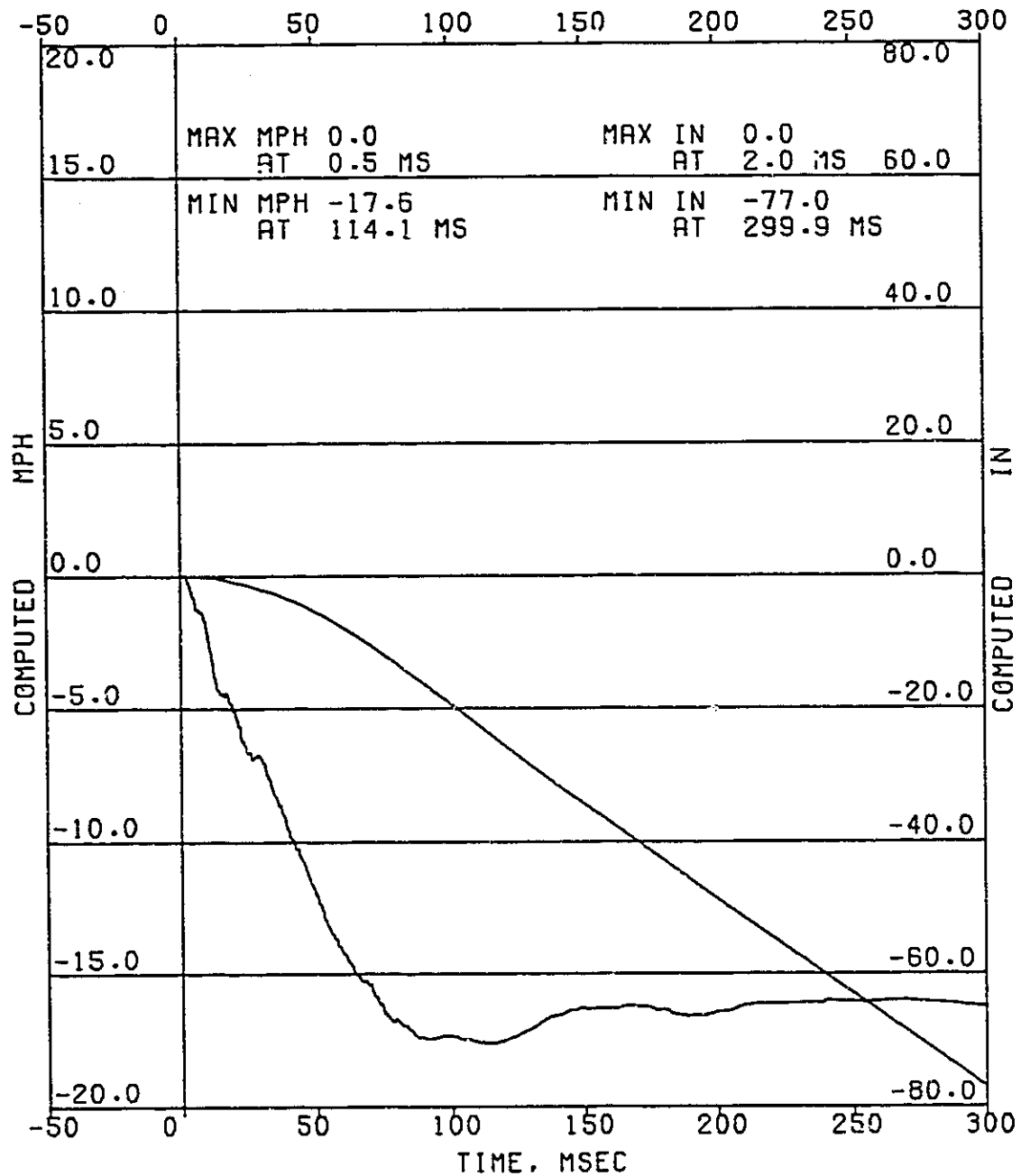
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IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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ERRATA 1

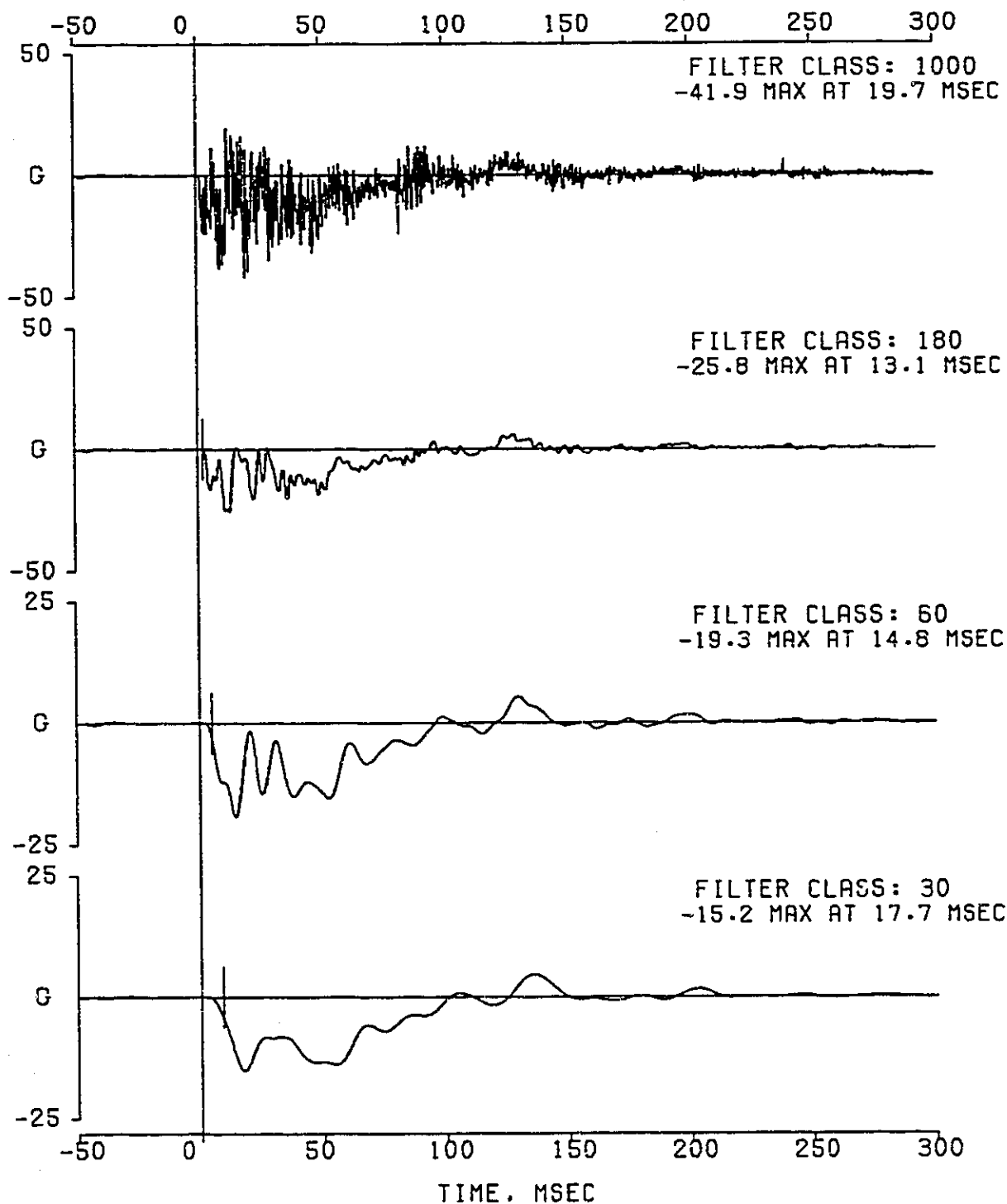


COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 002 RIGHT FRONT SILL X 20076
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

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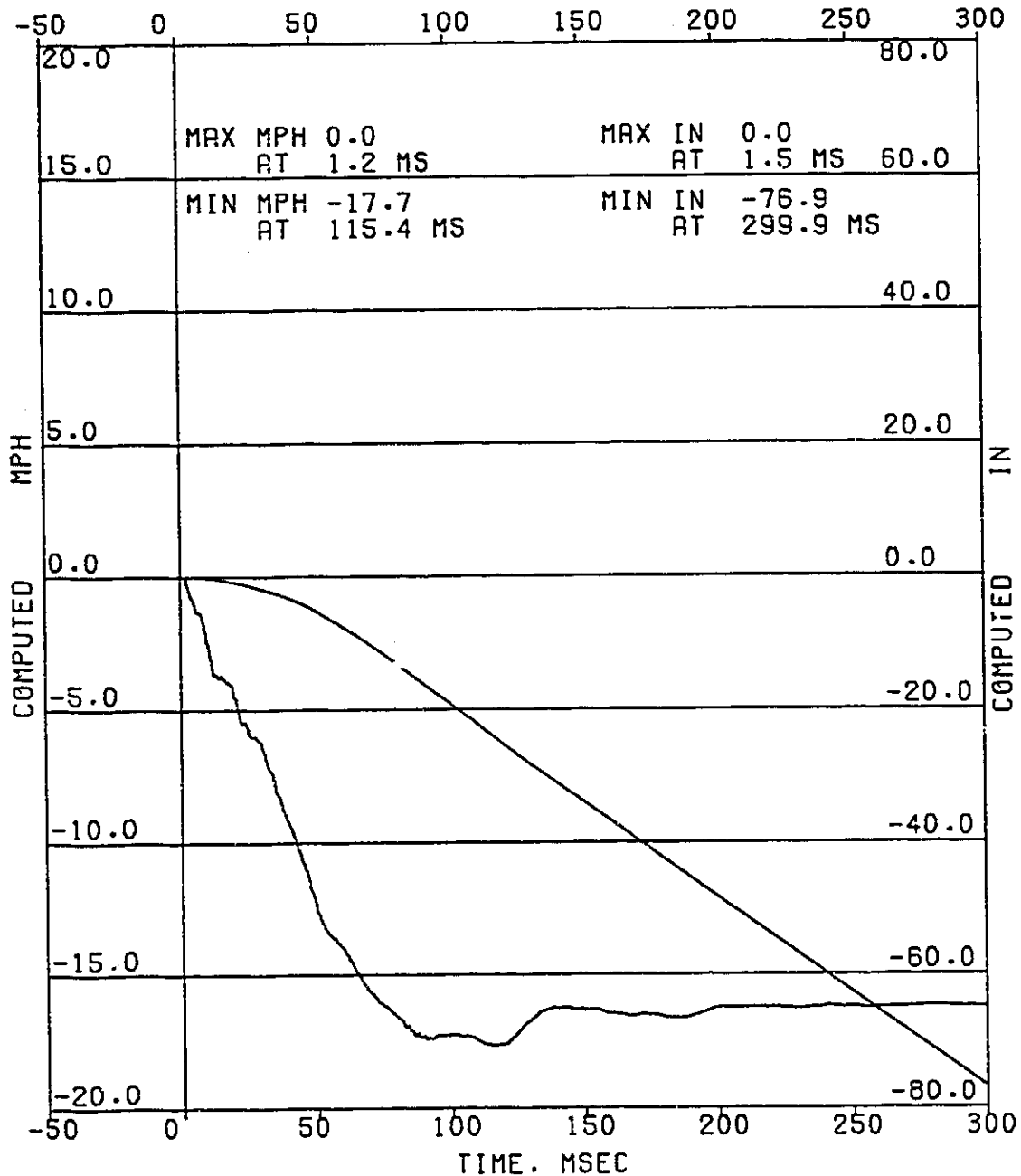
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FILTER TYPE: 08DAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

DATA SET 11/04/95BF
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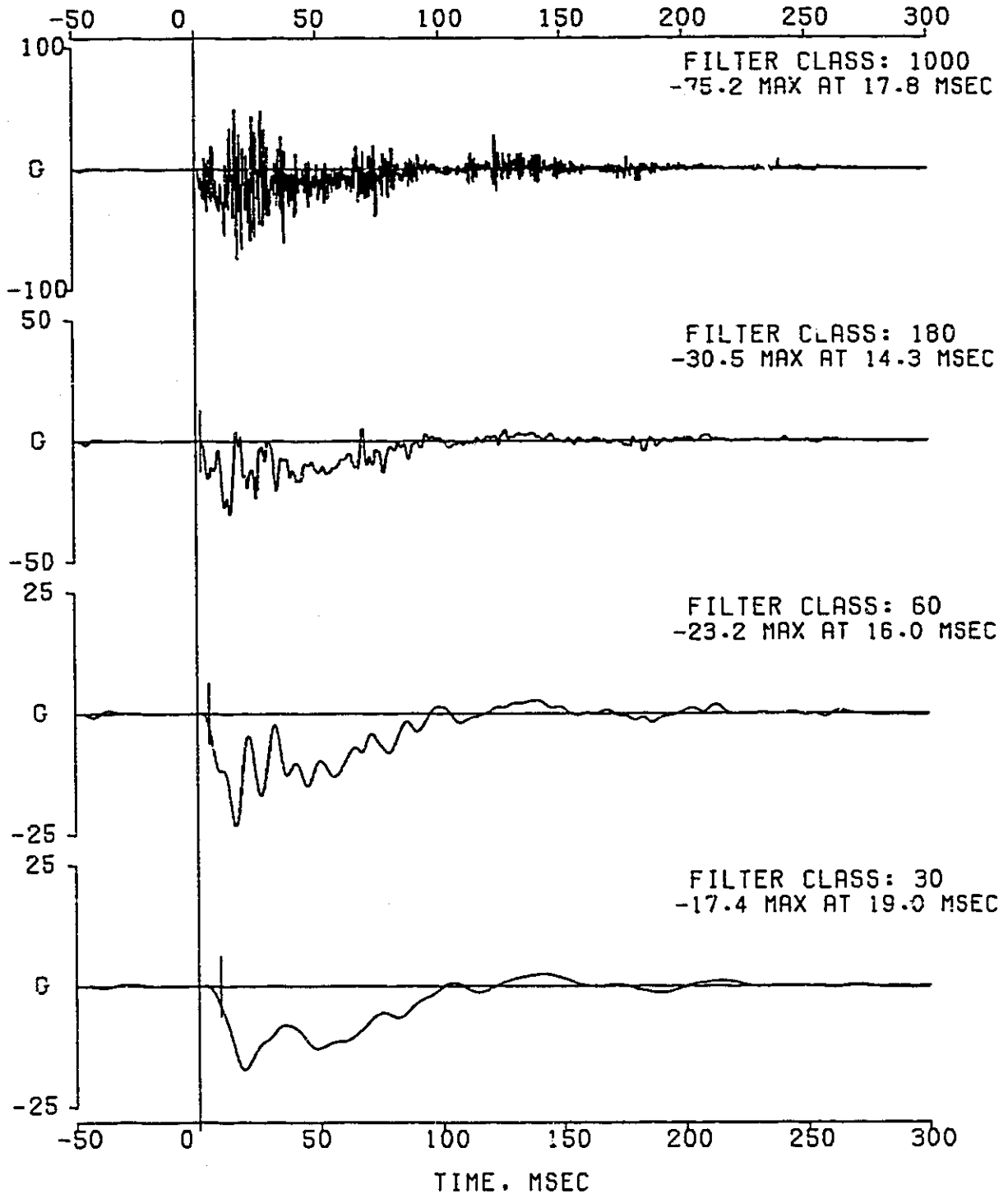


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COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 003 LEFT REAR SILL X 73952
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

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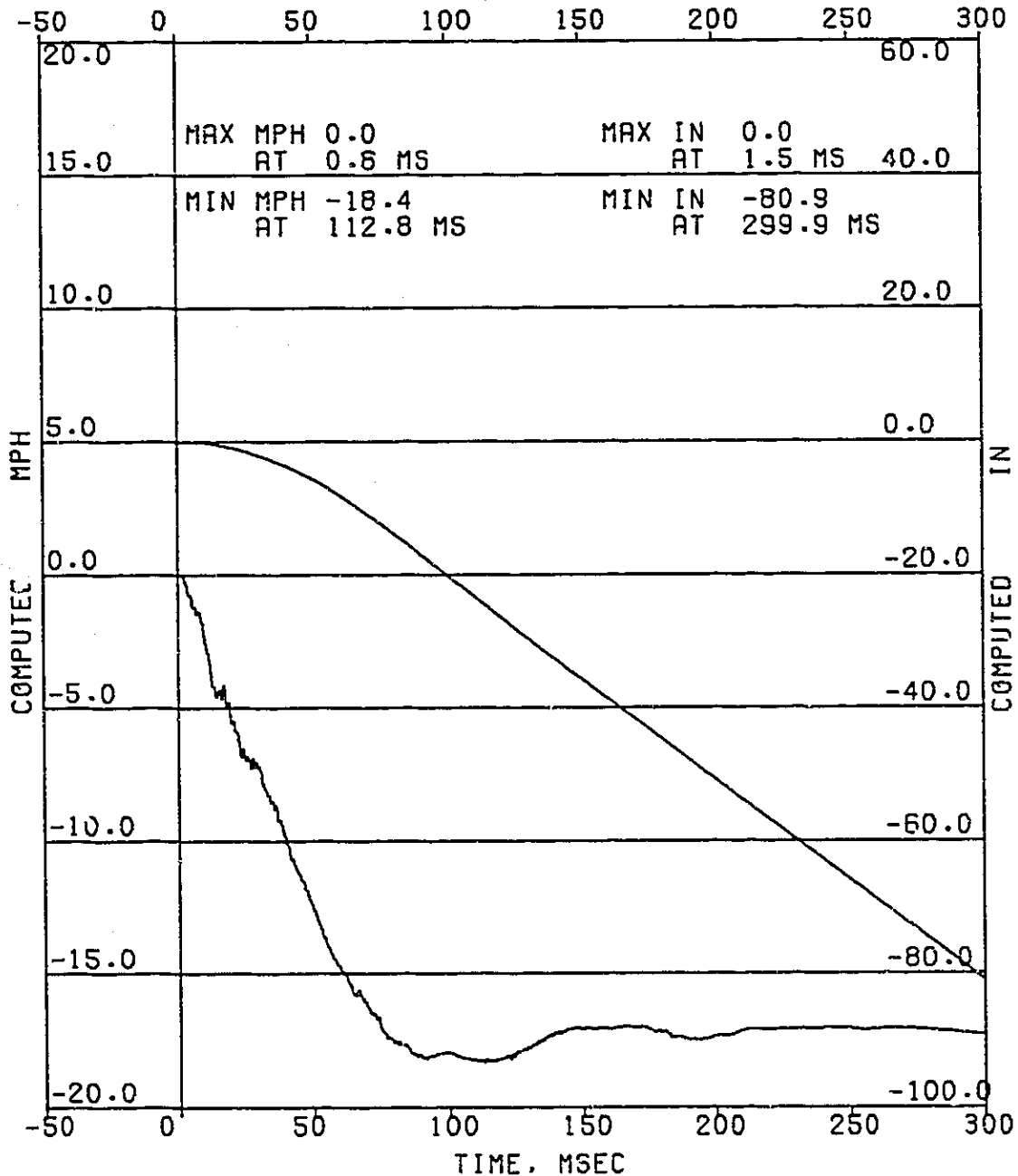
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FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
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IMPACT ANALYSIS DEPT. 5320
 NOV 8.1995

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 ERRATA 1

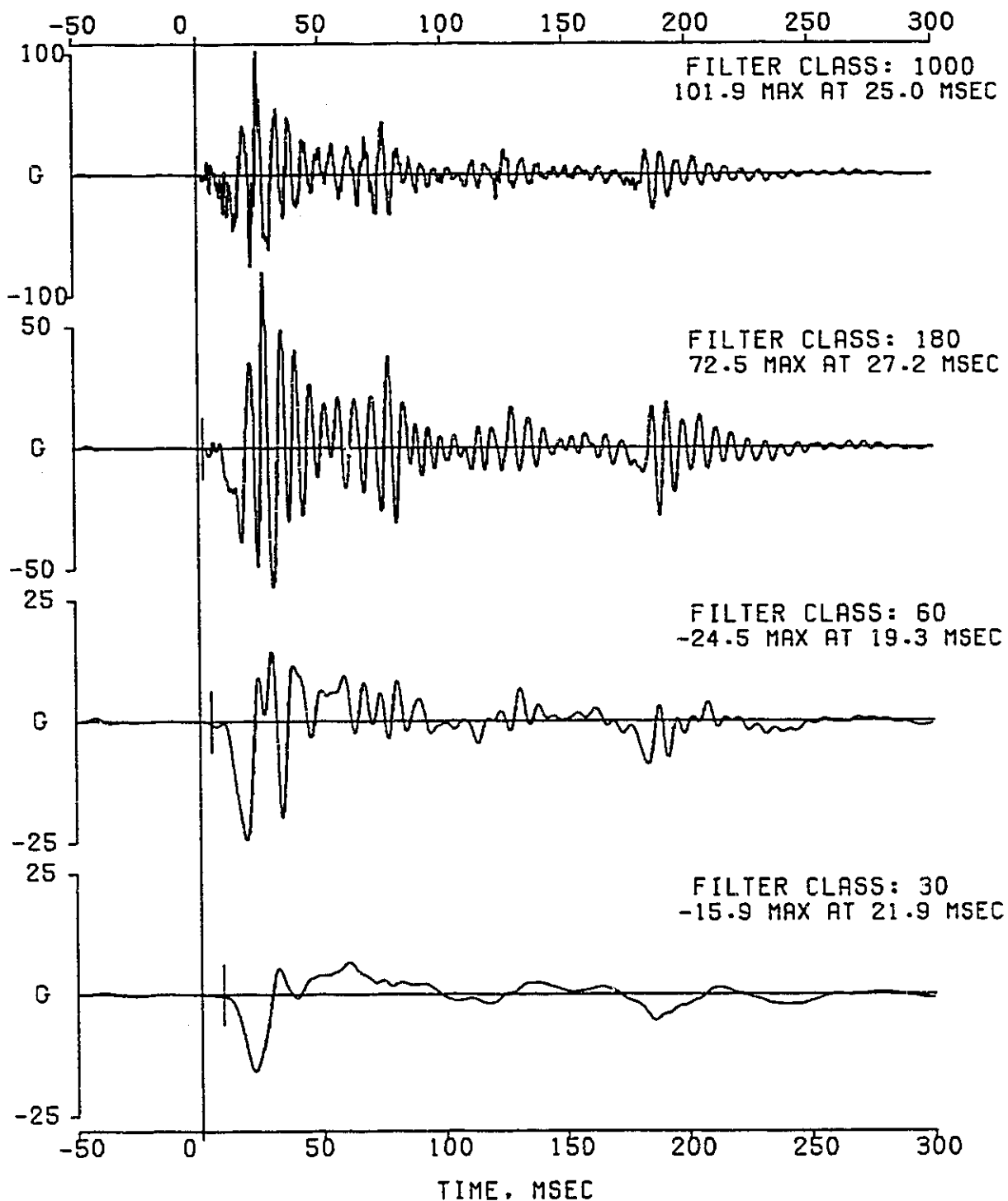


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1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 004 LEFT REAR SILL Z 73935
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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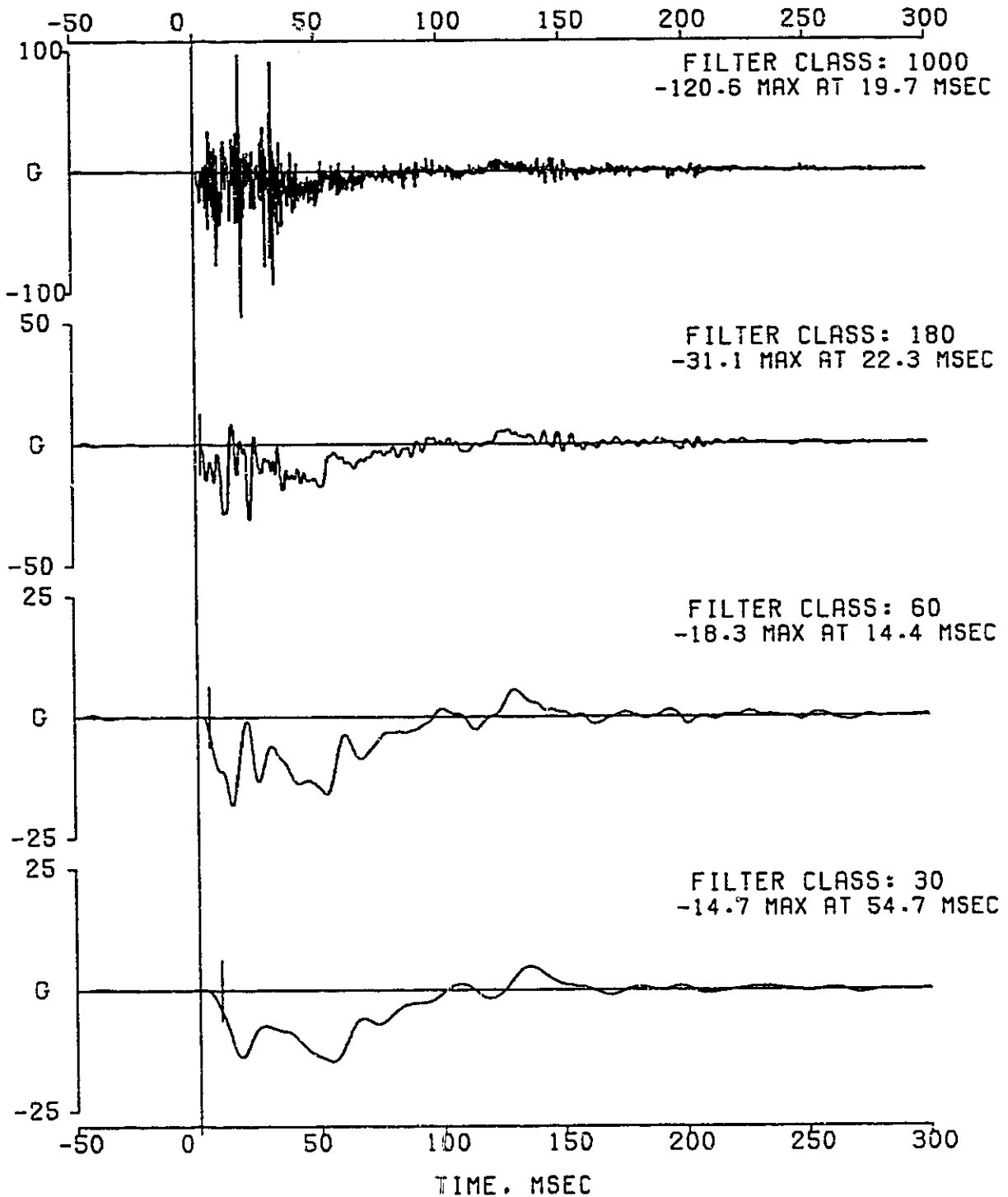
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VC05682 30 MPH TYPE IV REAR IMPACT.XJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 005 RIGHT REAR SILL X 510091
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

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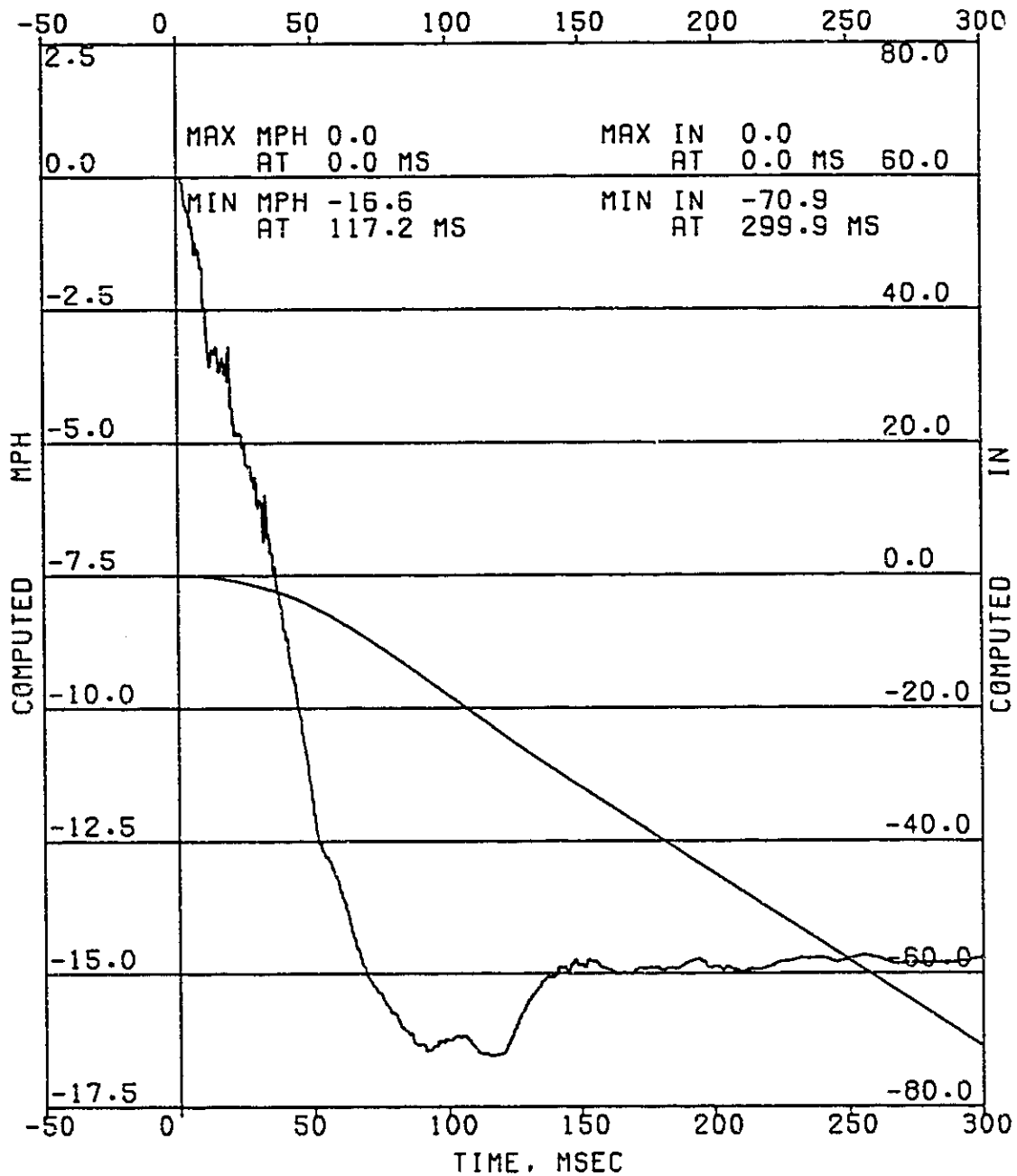
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FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

DATA SET 11/04/95BF
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2-5L ITEM XJ6066R

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1997 FMVSS 301. FUEL SYSTEM INTEGRITY.

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CHANNEL 006 RIGHT REAR SILL Z 311310

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

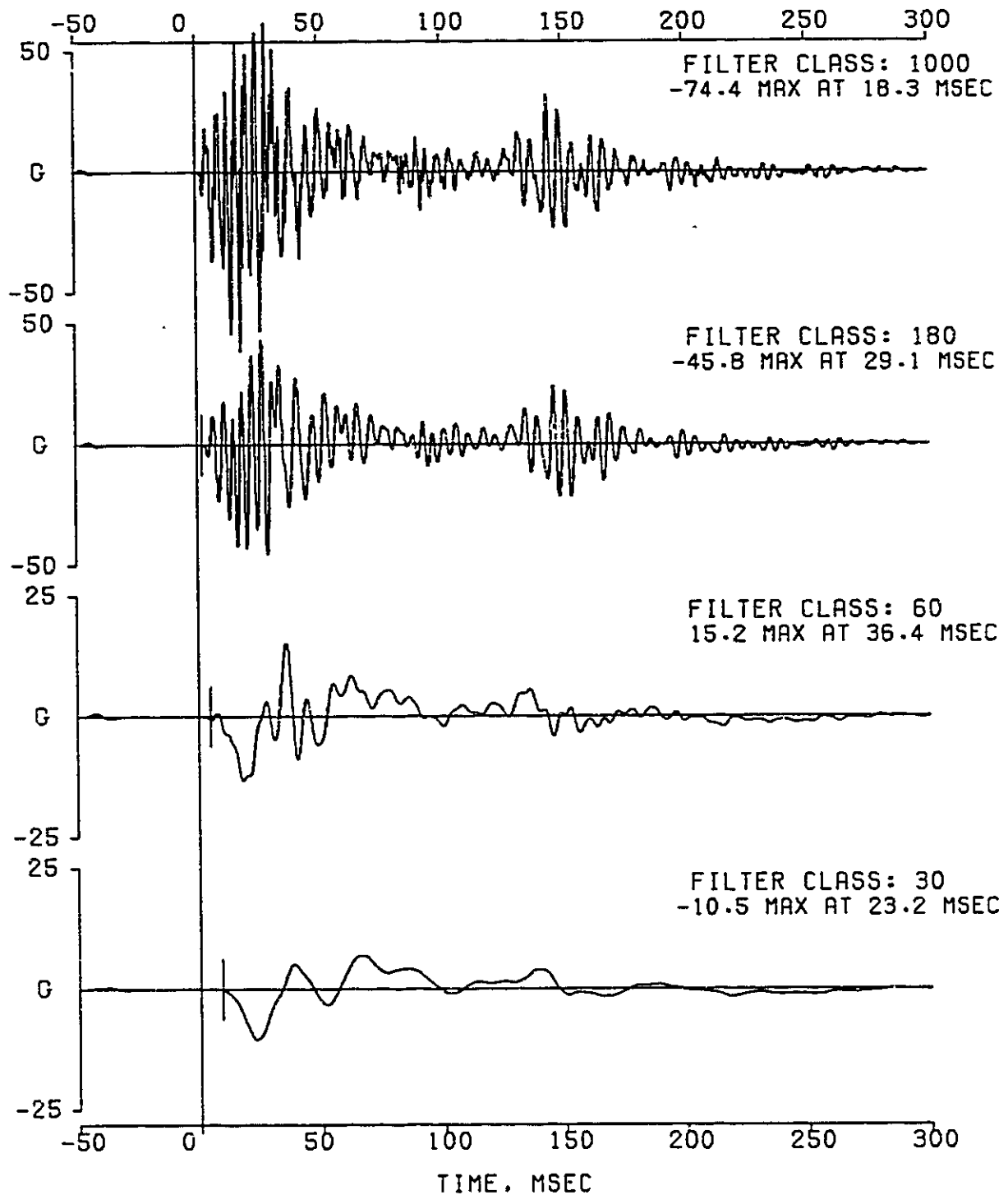
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NOV 8.1995

ERRATA

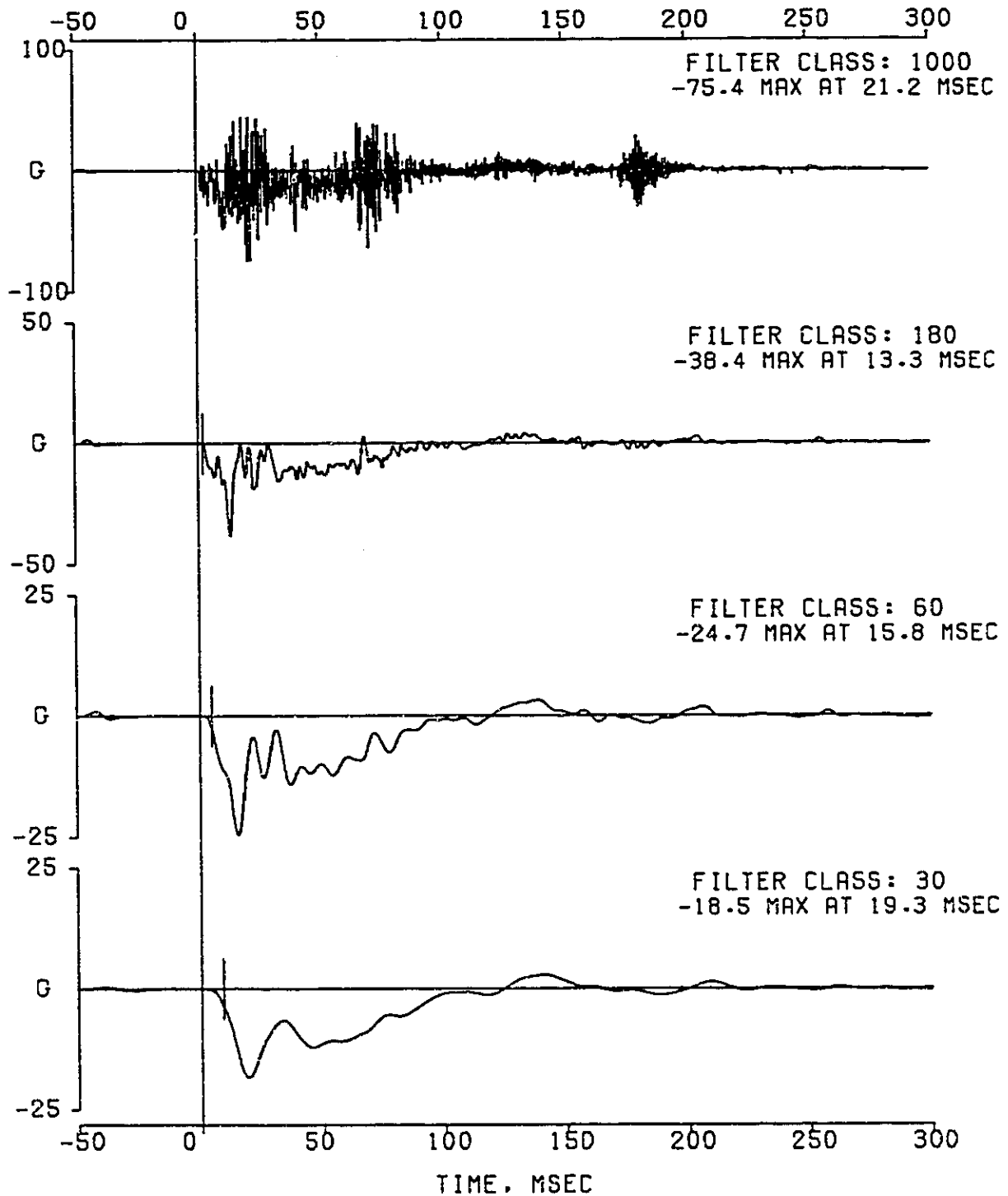
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VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 007 LT RR RL SPRG HNG FT X 114528
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

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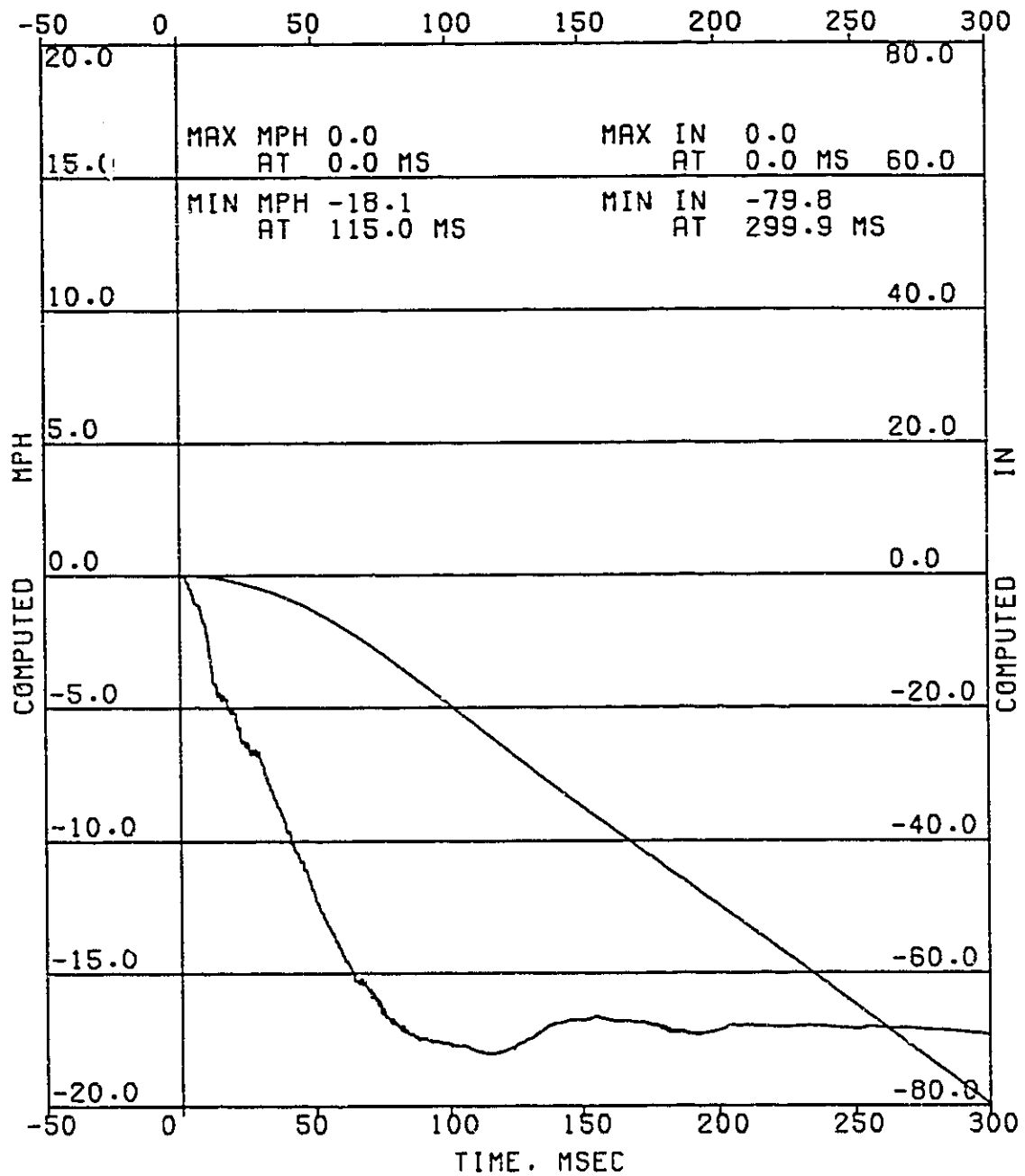
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FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
NOV 8, 1995

DATA SET 11/04/95BF
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R

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1997 FMVSS 301. FUEL SYSTEM INTEGRITY.

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CHANNEL 008 RT RR RL SPRG HNG FT X 311295

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

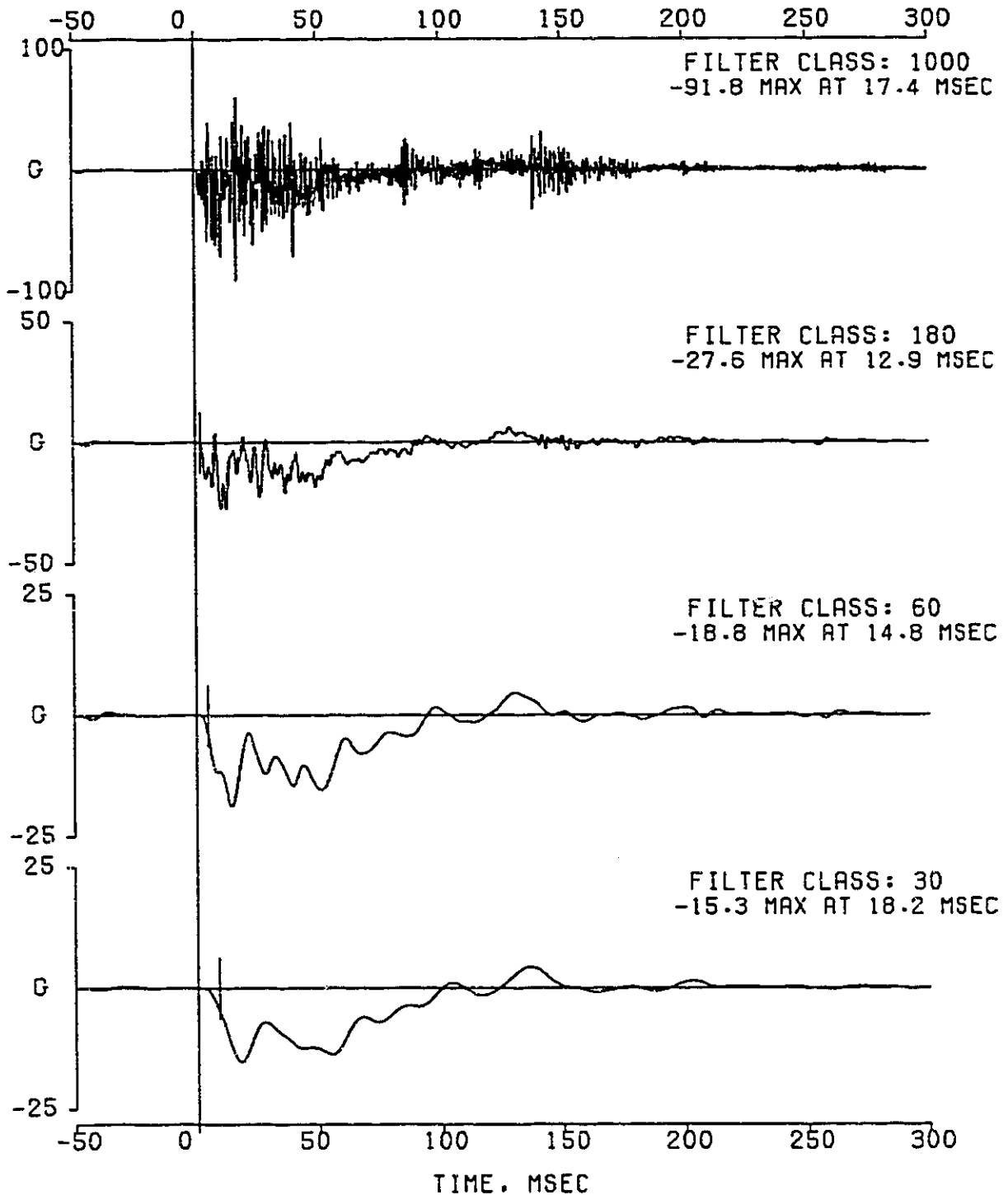
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DATA SET 11/04/95BF

NOV 8.1995

ERRATA

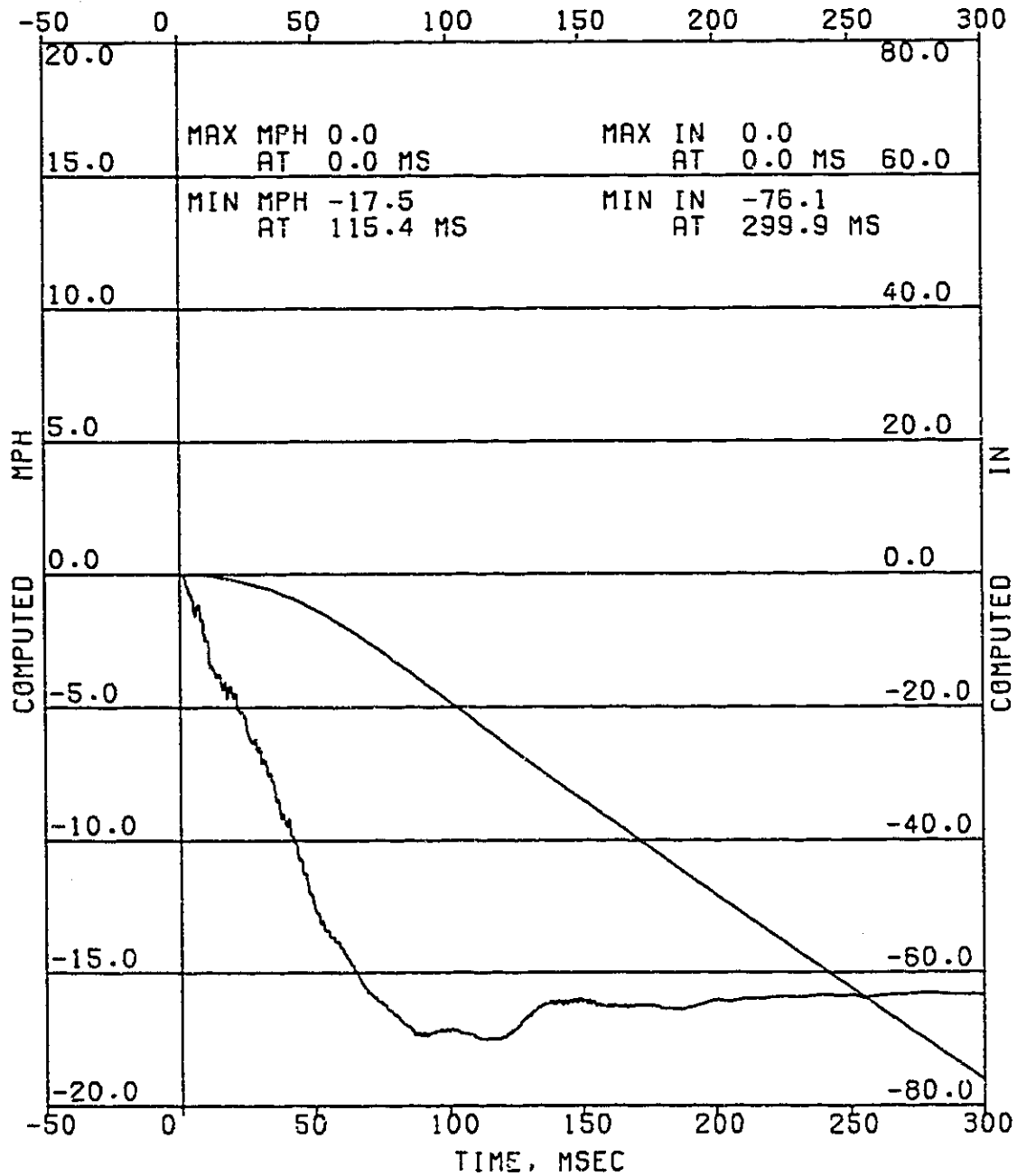
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FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 NOV 8,1995

DATA SET 11/04/95BF
 ERRATA 1

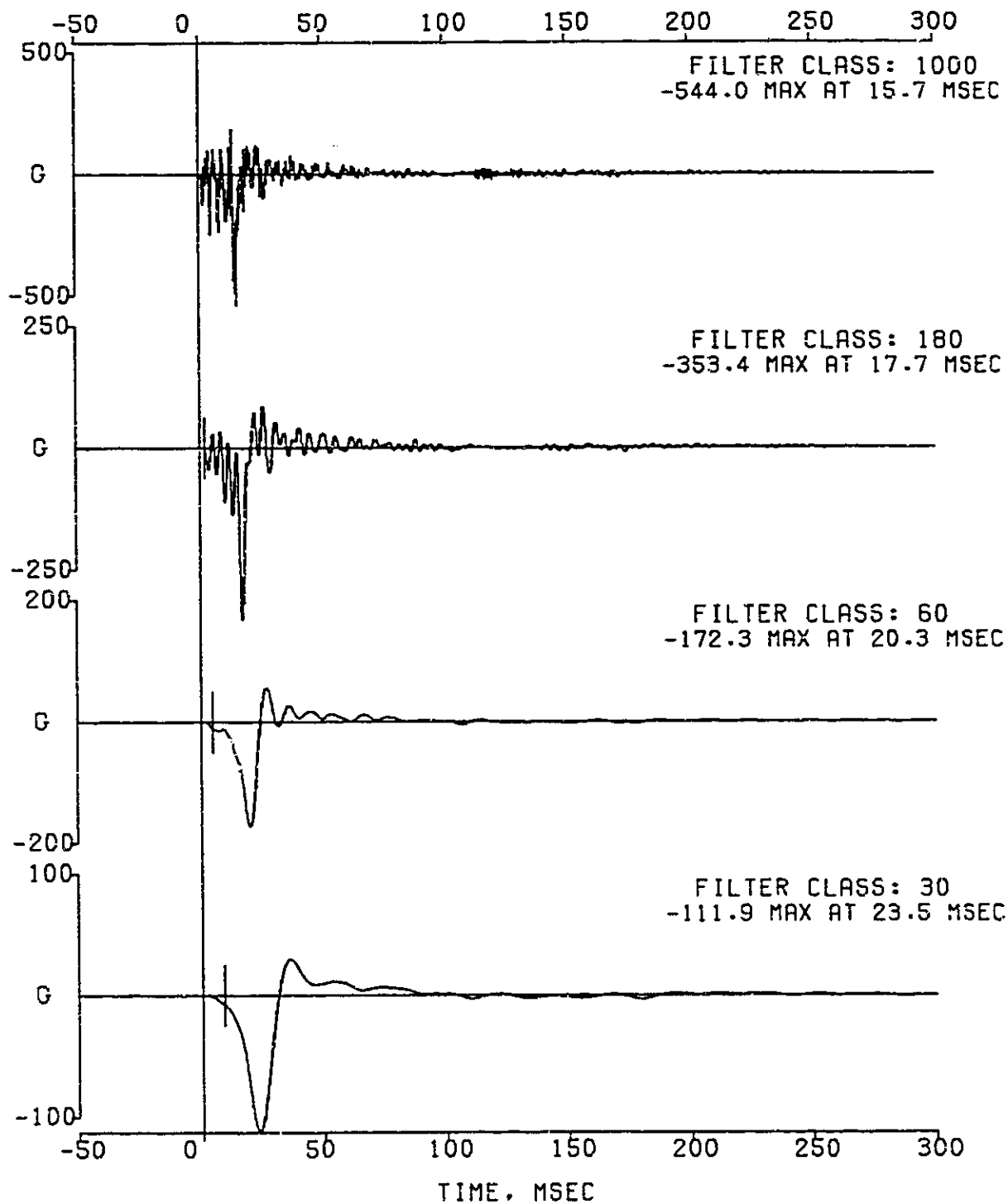


COMPUTED MPH
 COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2-5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 009 RT REAR RAIL MID TANK X 311294
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

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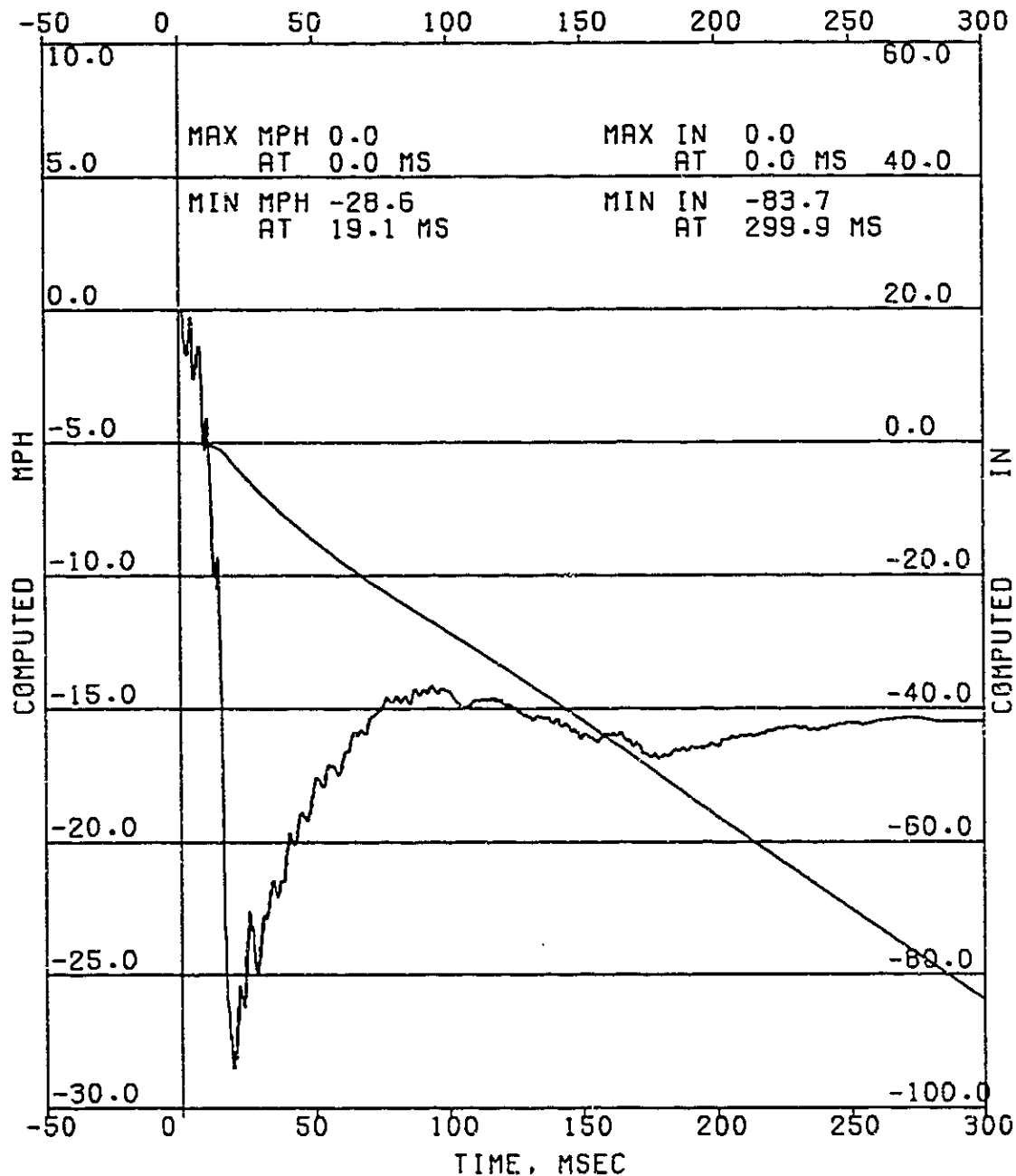
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FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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ERRATA 1

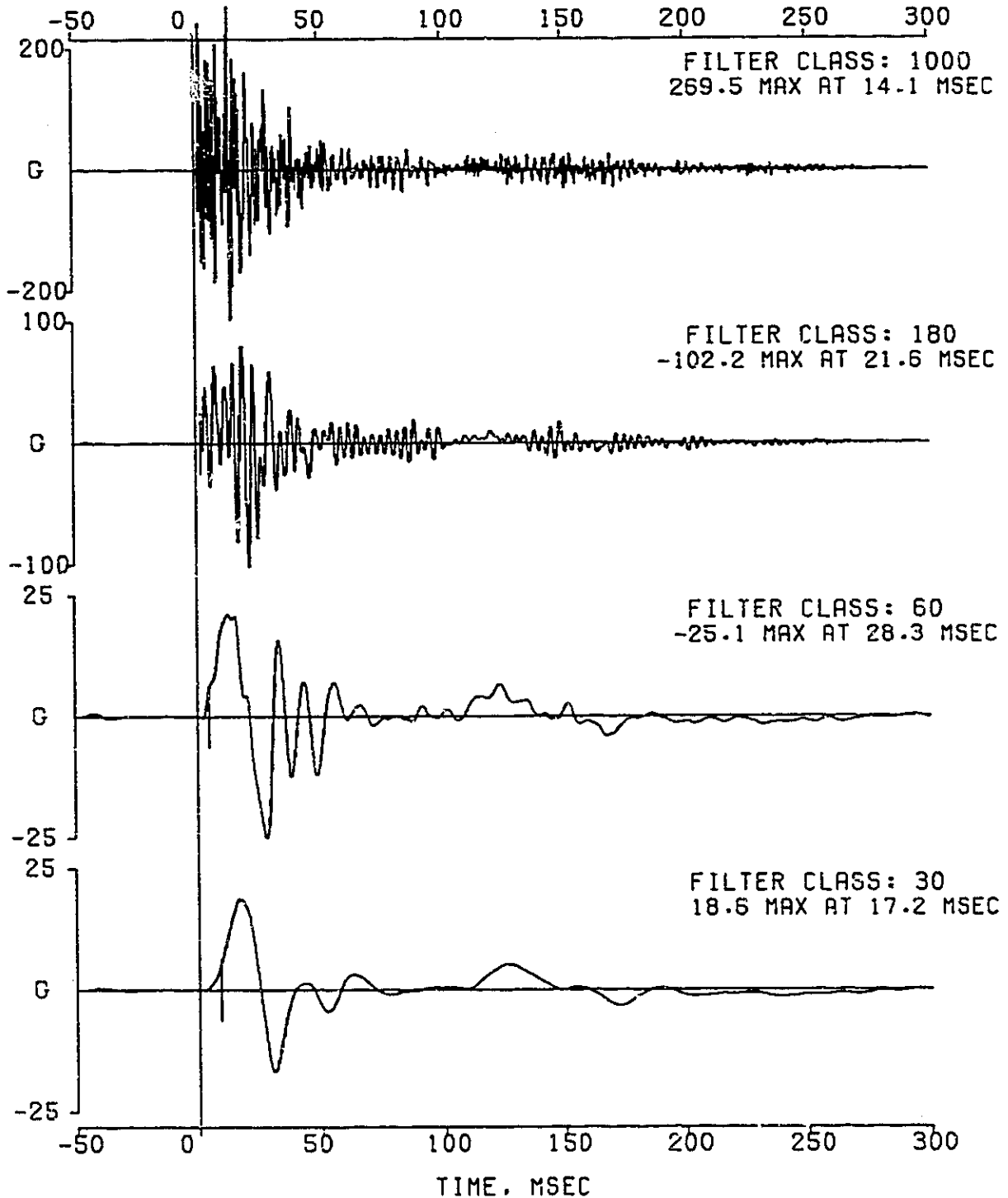


COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2-5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 010 RT REAR RAIL MID TANK Z 213617
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

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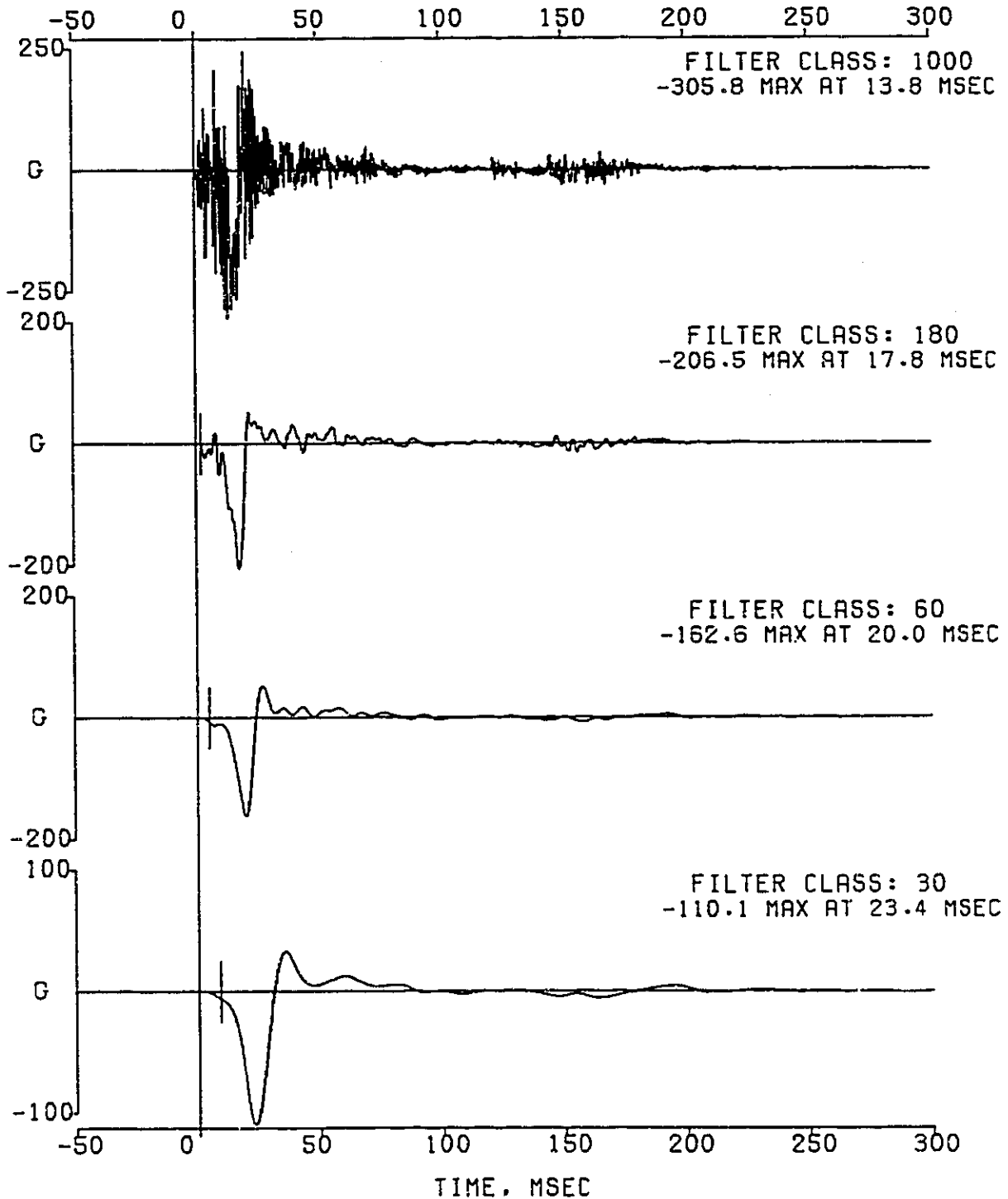
DATA SET 11/04/95BF
ERRATA 1



VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 011 LT REAR RAIL MID TANK X 311312
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

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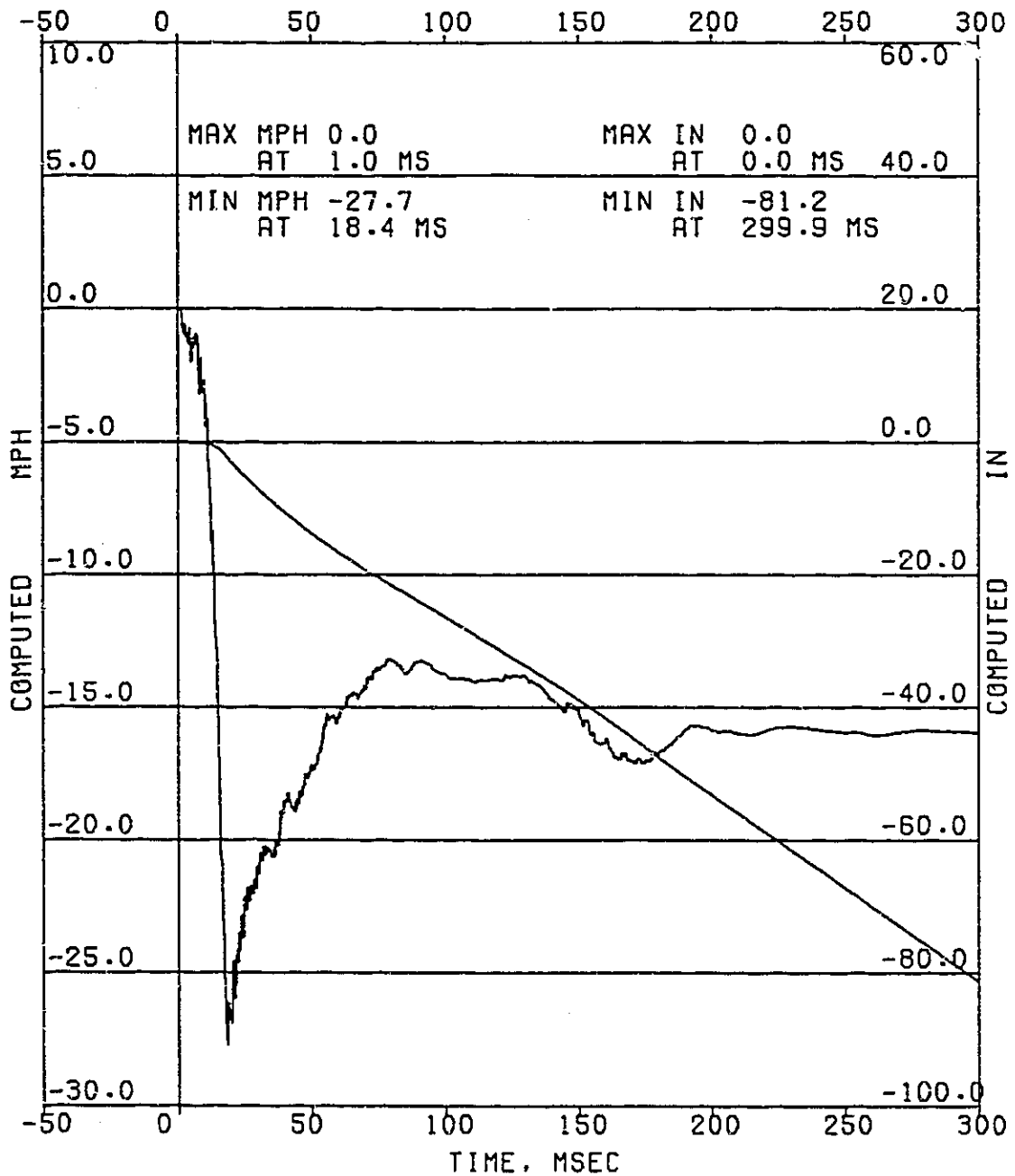
DATA SET 11/04/95BF
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

DATA SET 11/04/95BF
ERRATA 1

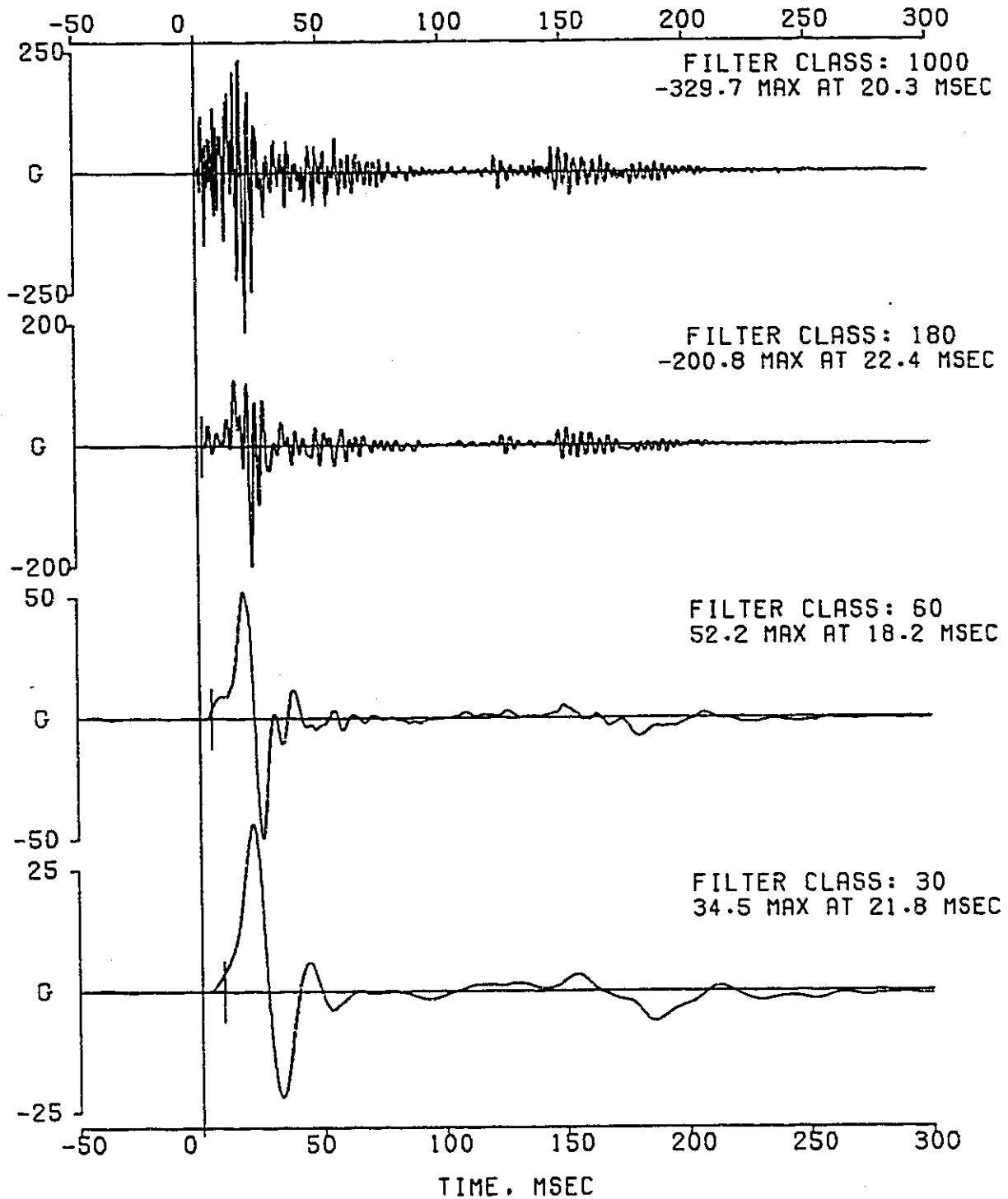


COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 012 LT REAR RAIL MID TANK Z 14340
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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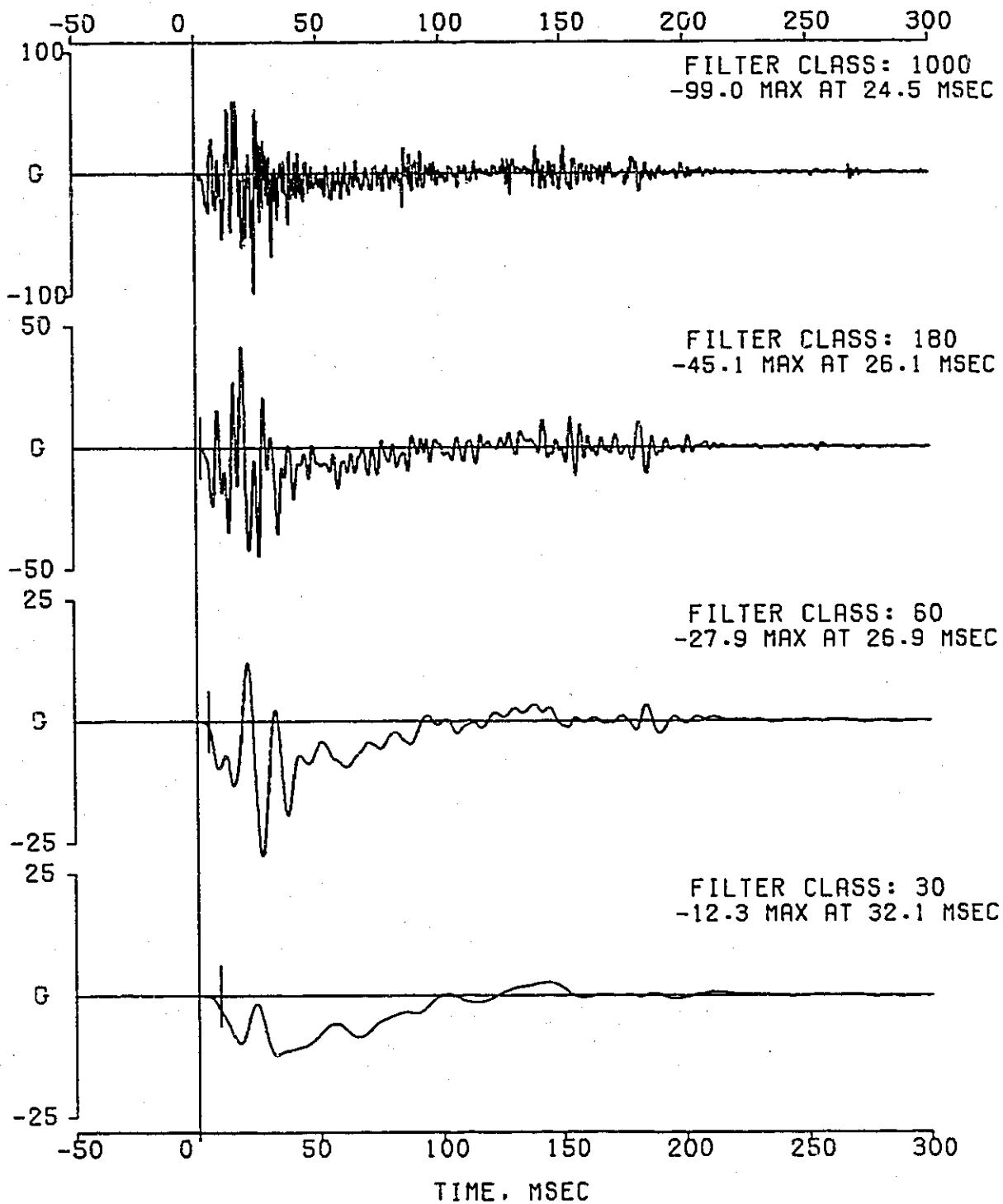
DATA SET 11/04/95BF
ERRATA 1



VC056B2 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FHVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 013 AECM BRKT 45 LT X AHRG1
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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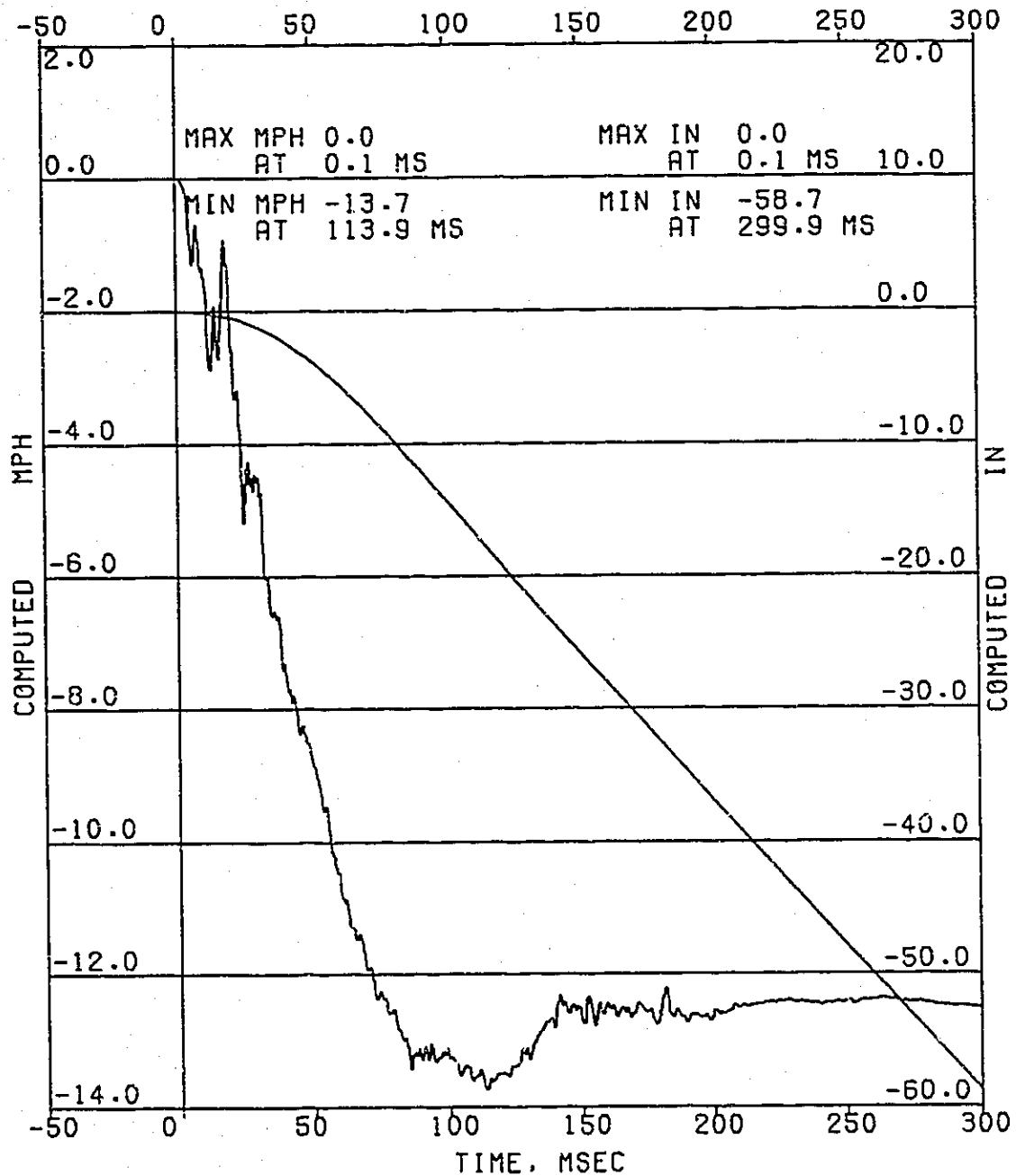
DATA SET 11/04/95BF
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

DATA SET 11/04/95BF
ERRATA 1

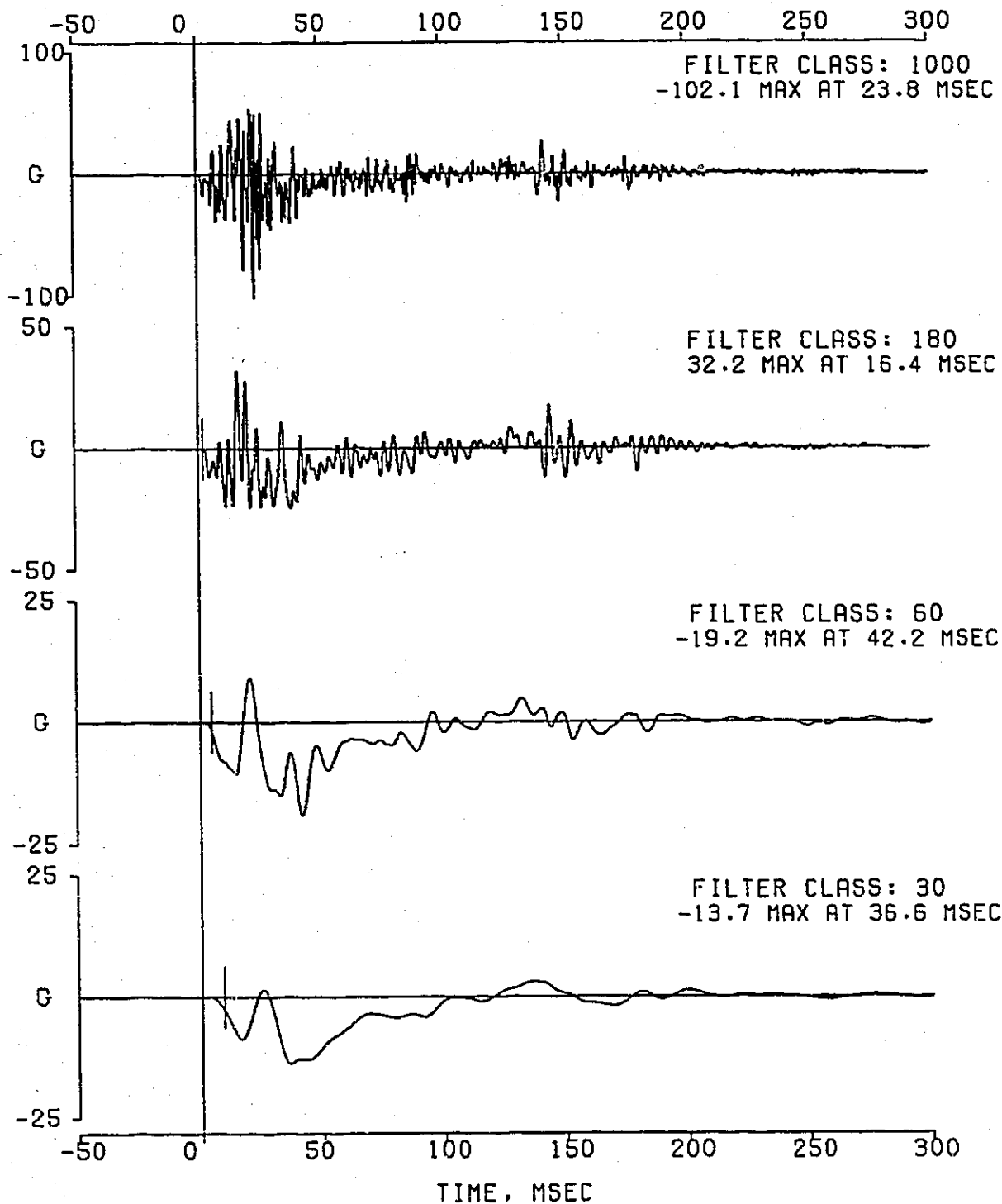


COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2-5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 014 RECM BRKT 45 RT X ACC64
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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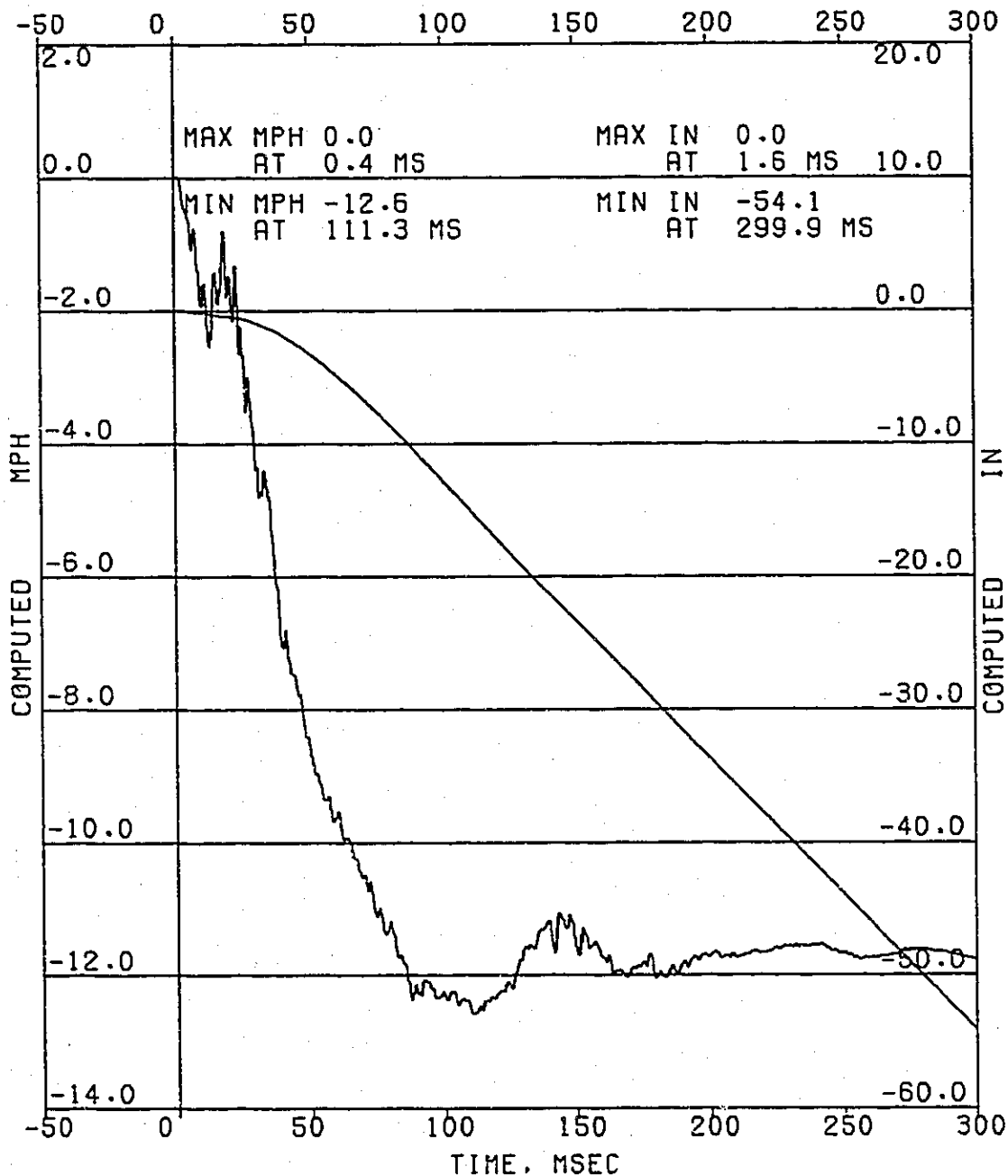
DATA SET 11/04/95BF
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
NOV 8, 1995

DATA SET 11/04/95BF
ERRATA 1

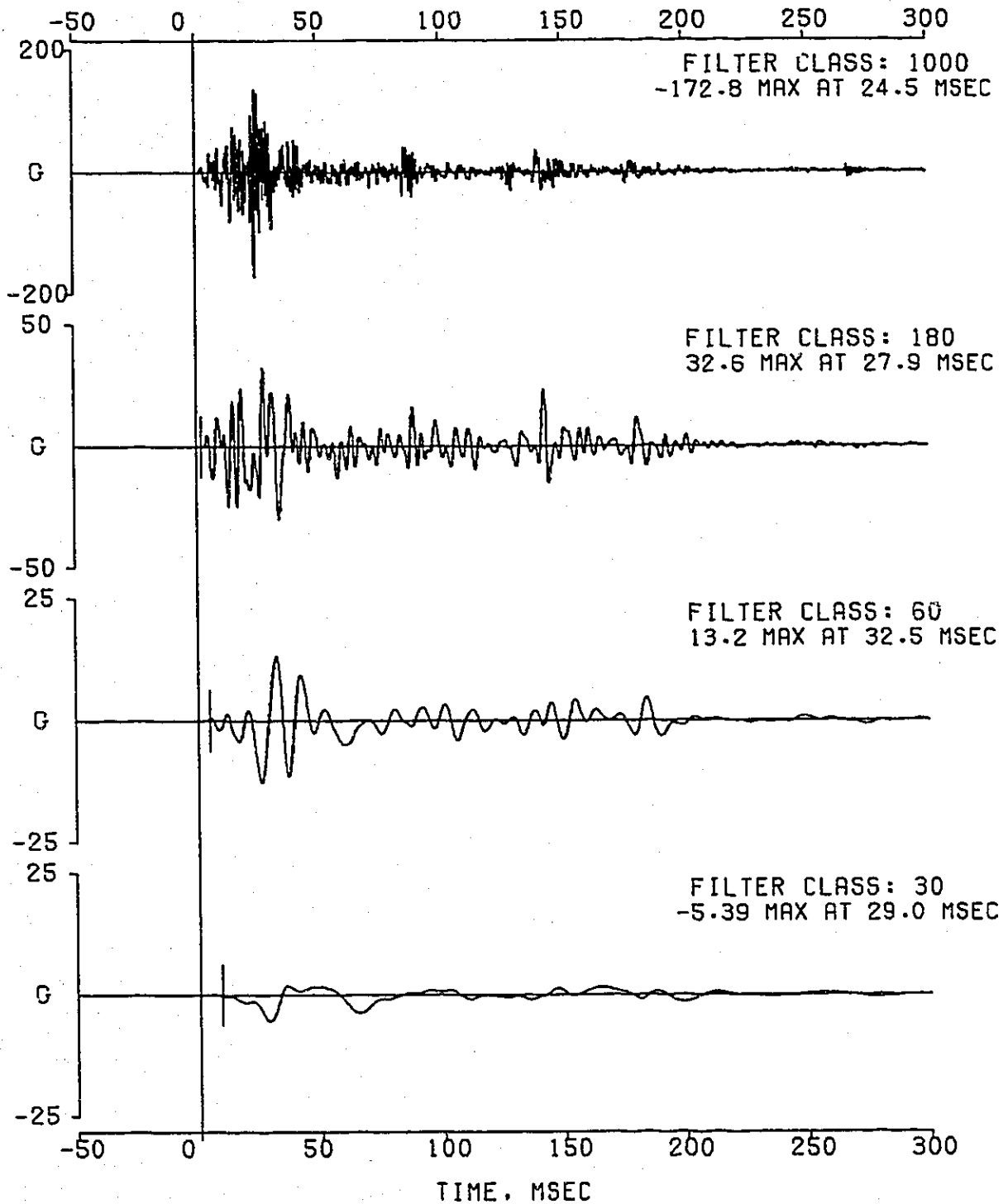


COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 015 RECM BRKT Y AMTY7
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

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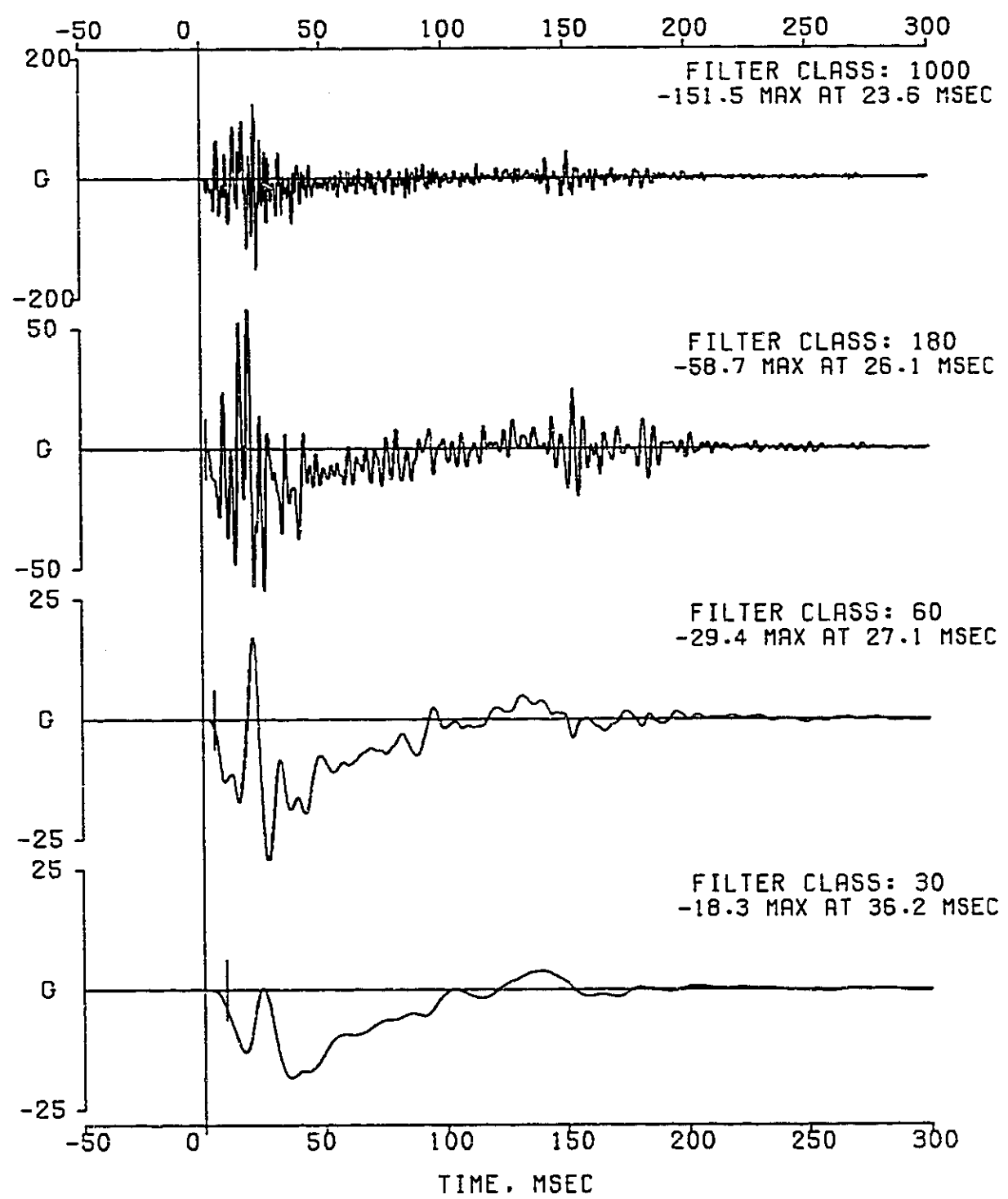
DATA SET 11/04/95BF
ERRATA 1



VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2-5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 016 RECM BRKT X AMTM4
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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DATA SET 11/04/95BF
ERRATA 1

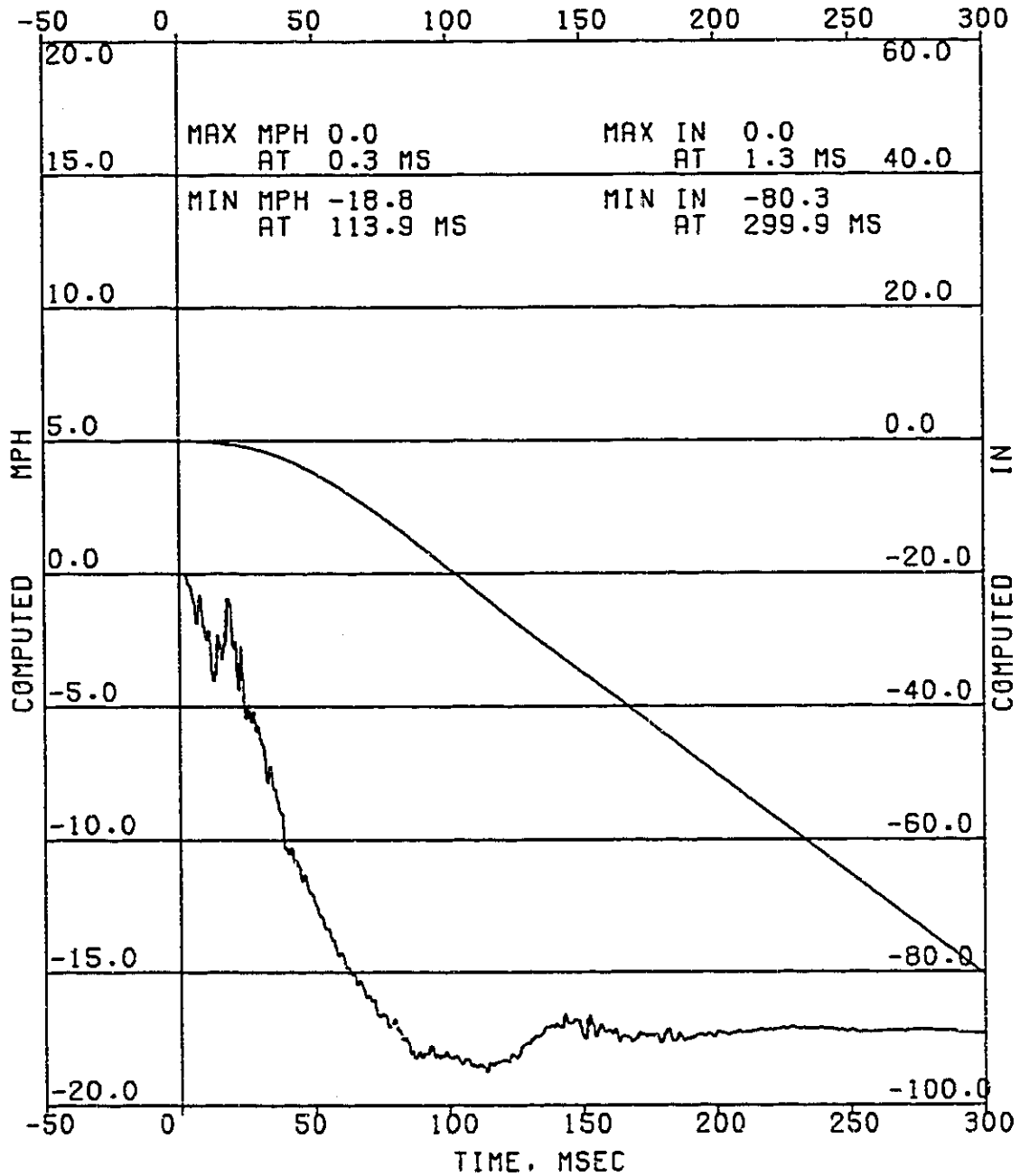


X AMT4

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

IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

DATA SET 11/04/95BF
ERRATA 1

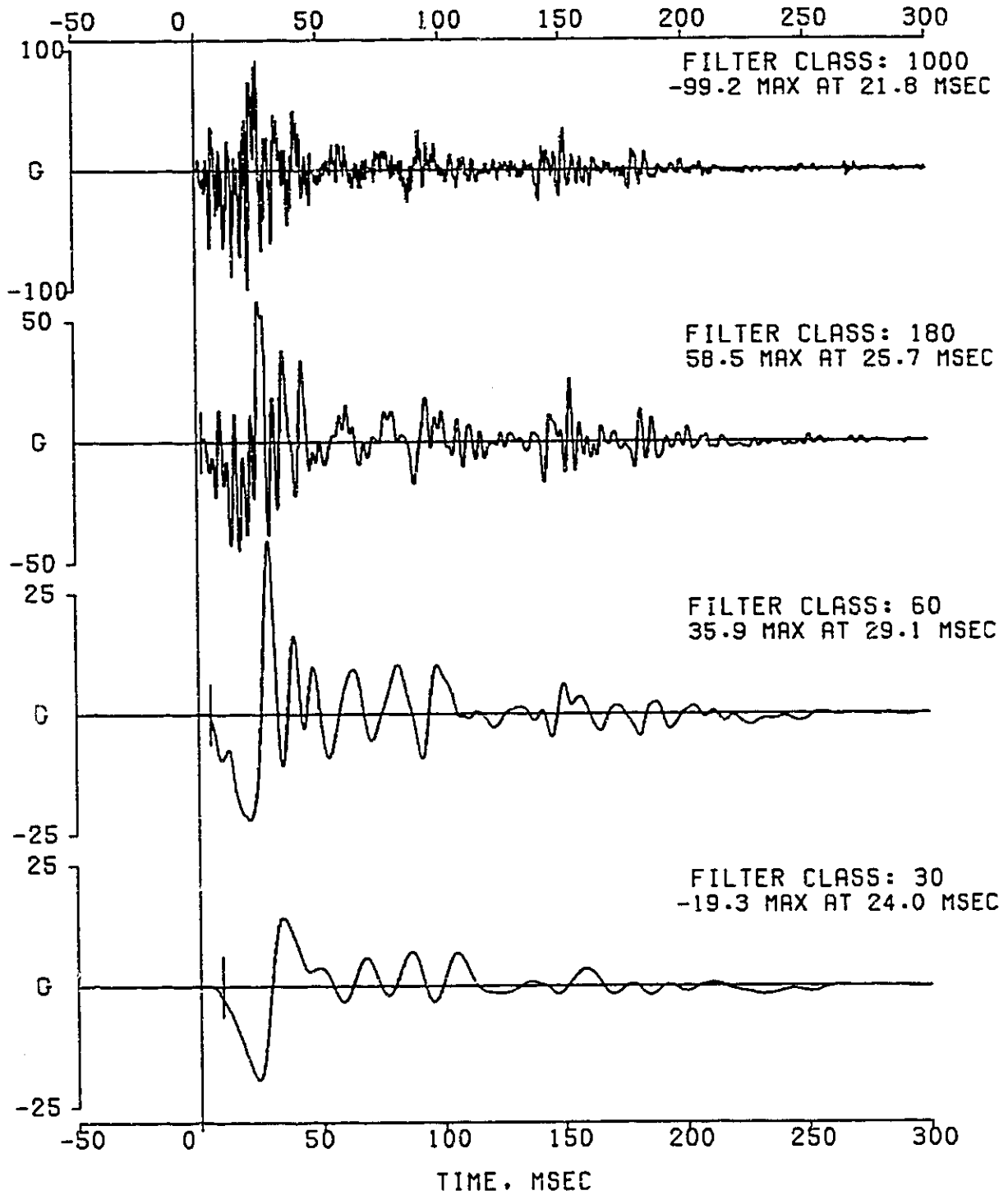


COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJ,IL74.2-5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 017 RECM BRKT Z DE65J
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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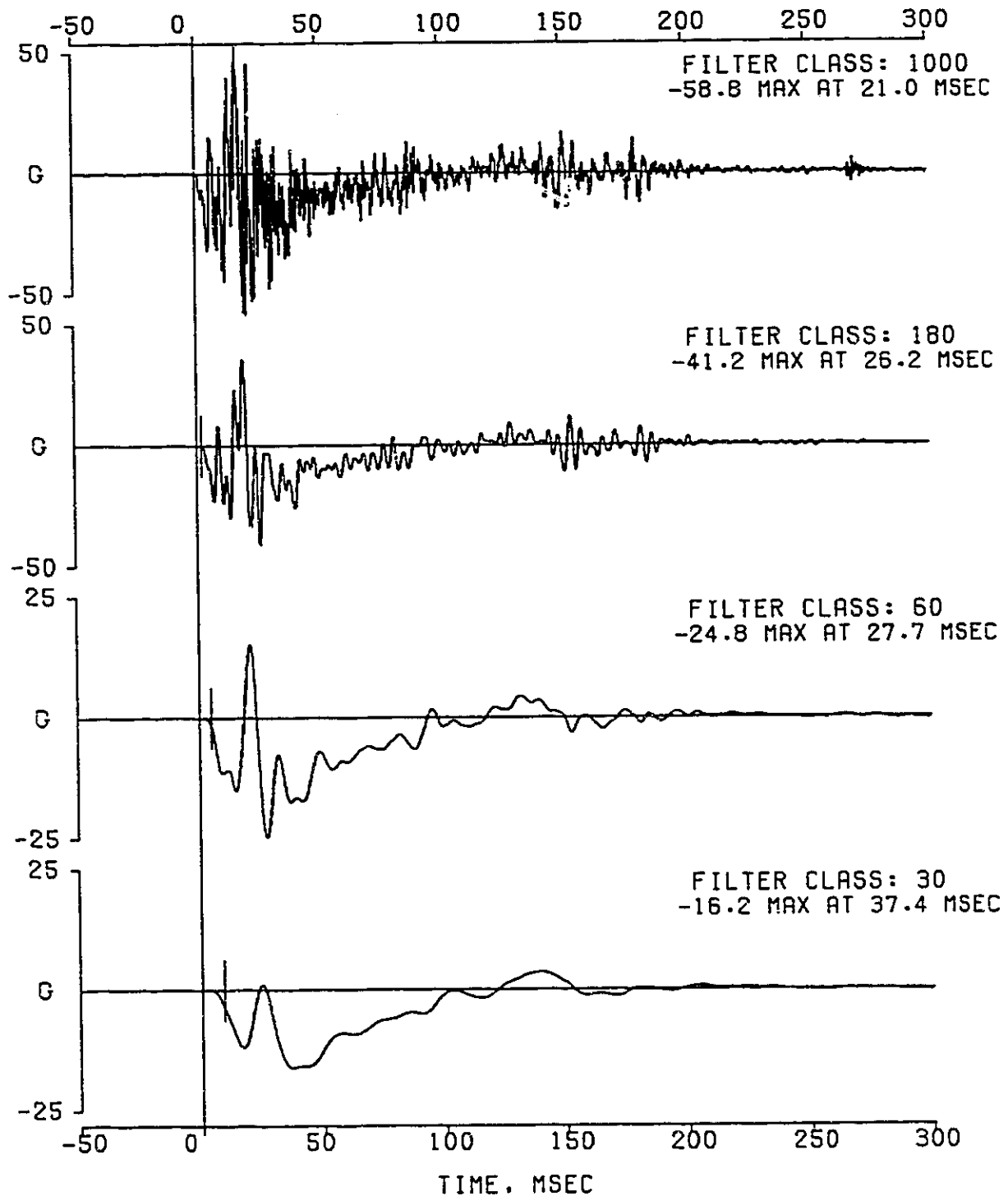
DATA SET 11/04/95BG
ERRATA 1



VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 018 AECM INTERN ACCEL G
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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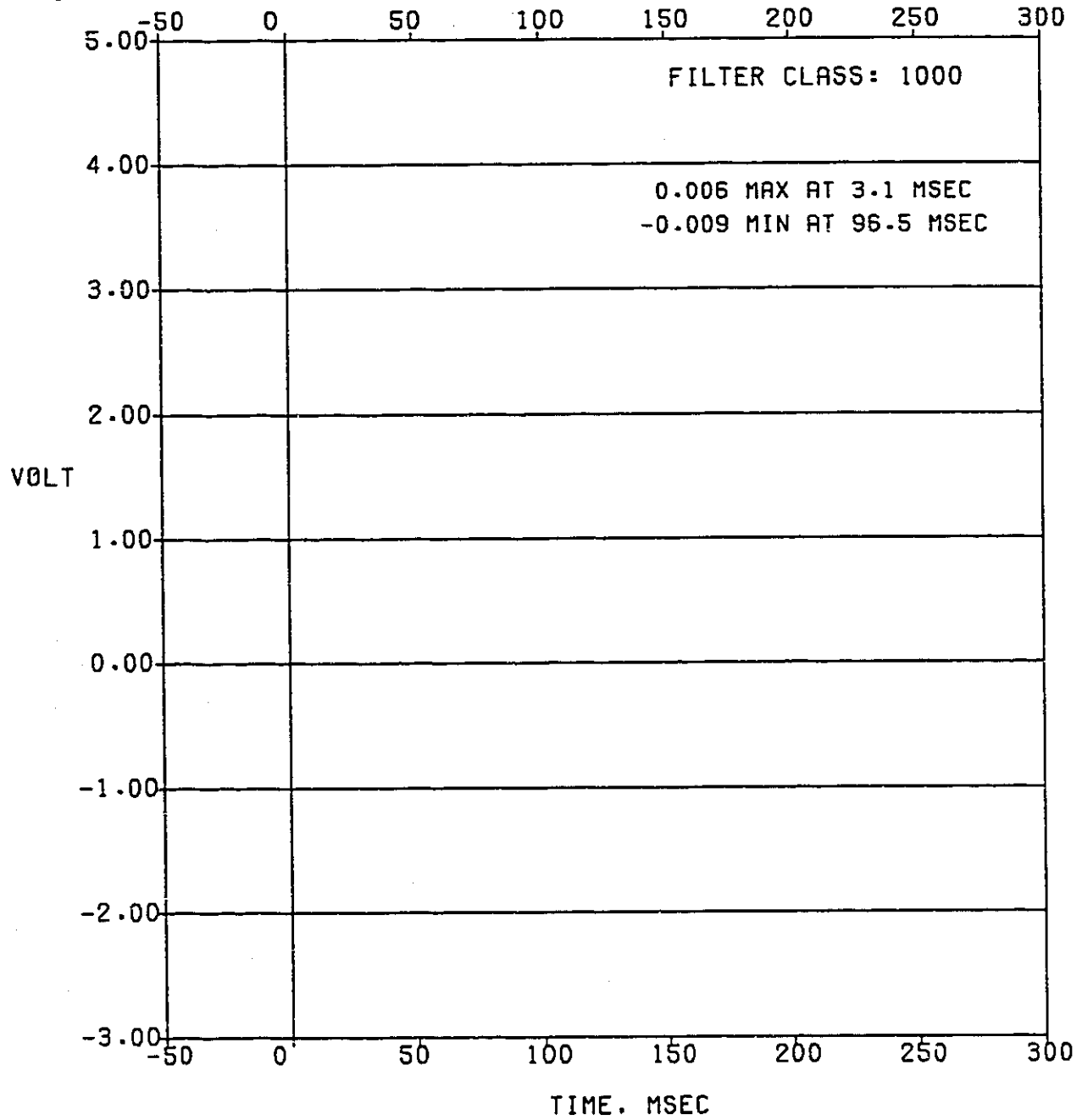
DATA SET 11/04/95BG
ERRATA 1



CHANNEL 019 RECM SQUIB

EE

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 11/04/95BG
NOV 8.1995 ERRATA 1

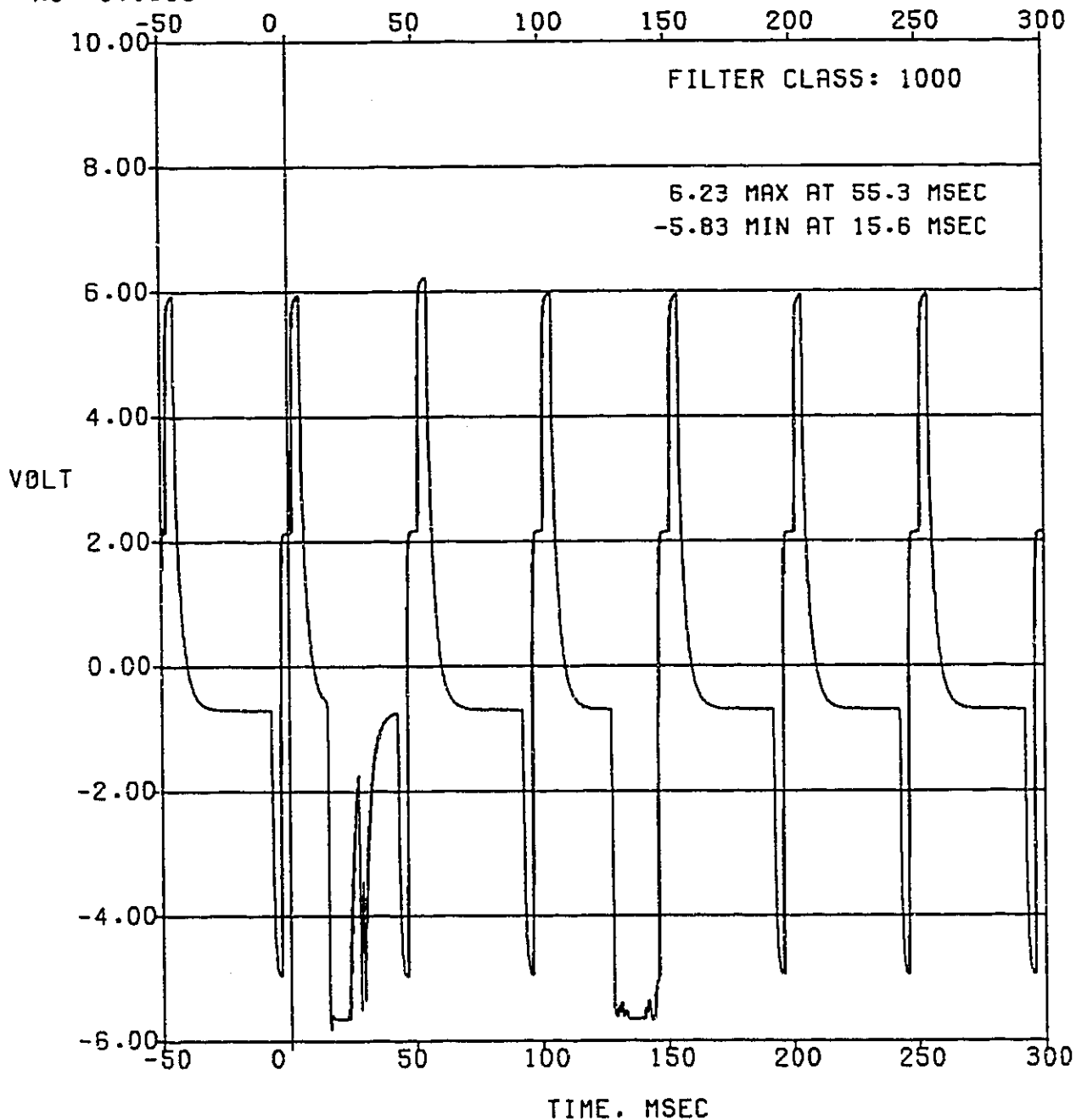


***** NOTE *****
***** NO EVENT *****

CHANNEL 020 RECM SAFING SEN

EE

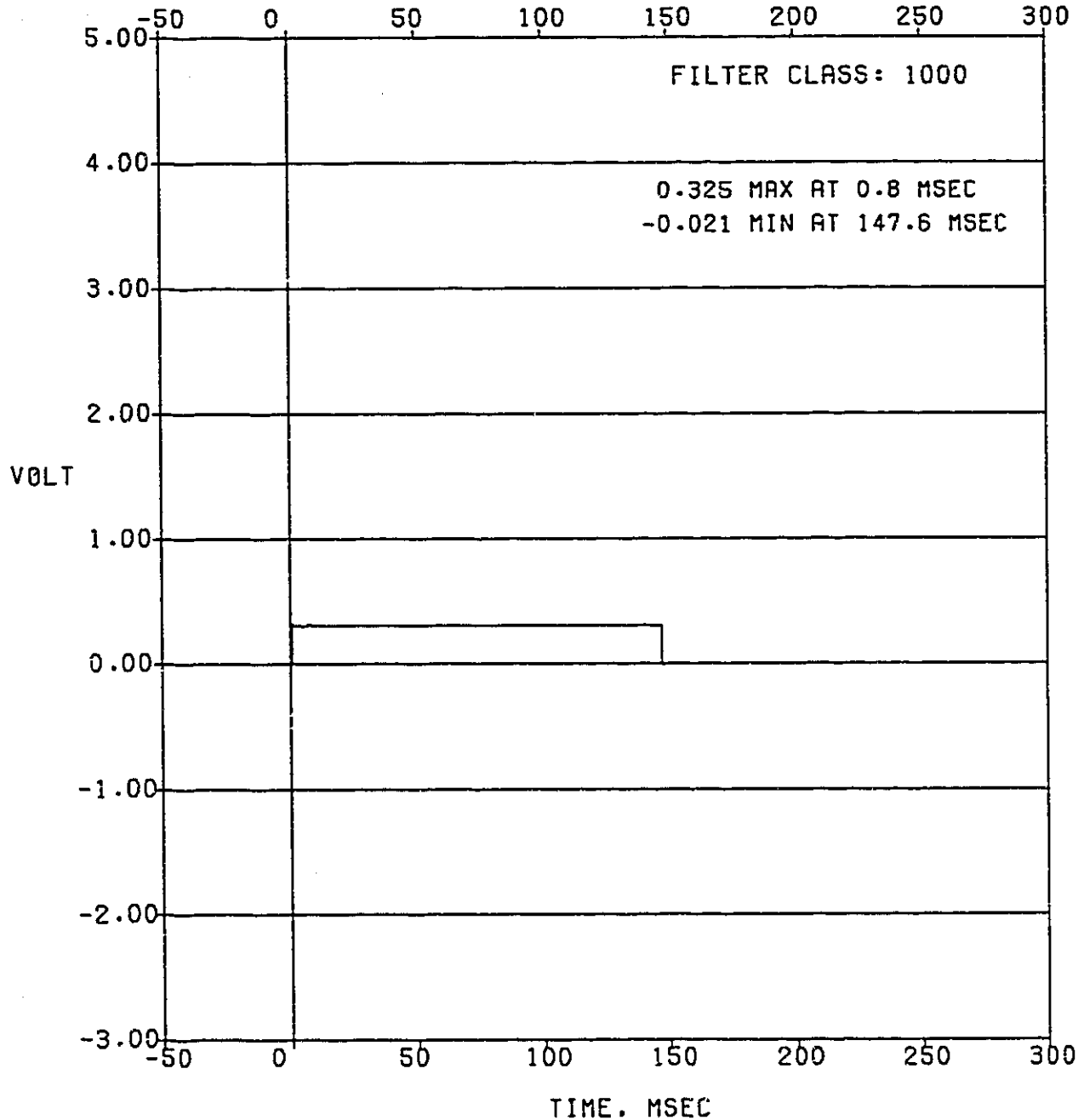
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 11/04/95BG
NOV 8.1995 ERRATA 1



***** NOTE *****
***** CLOSURE AT 15.4 MS *****

CHANNEL 021 LT RR BUMPER EVENT EE

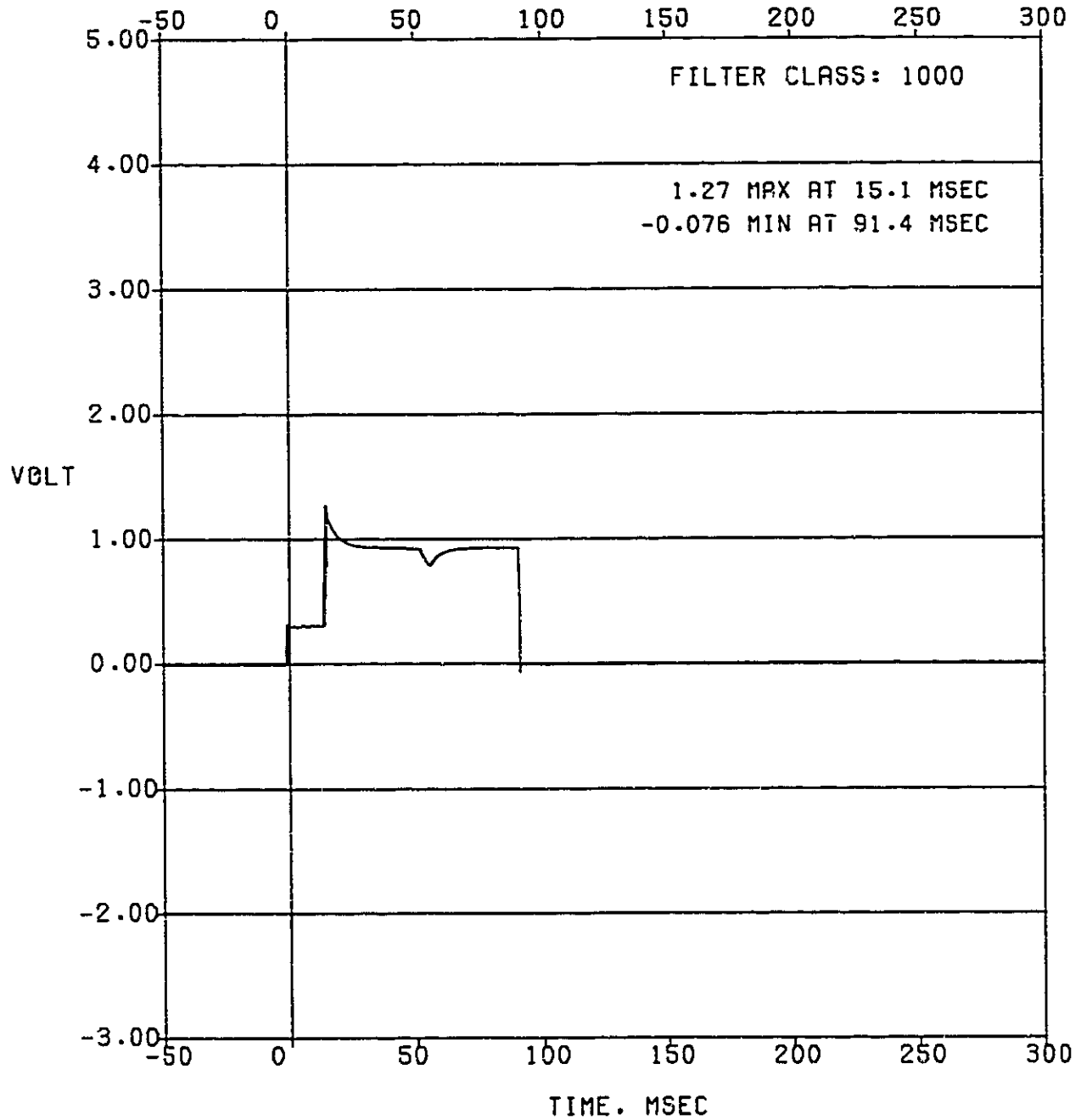
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 11/04/95BG
NOV 8,1995 ERRATA 1



***** NOTE *****
***** EVENT AT .6 MS *****

CHANNEL 022 RT REAR BUMPER EVENT EE

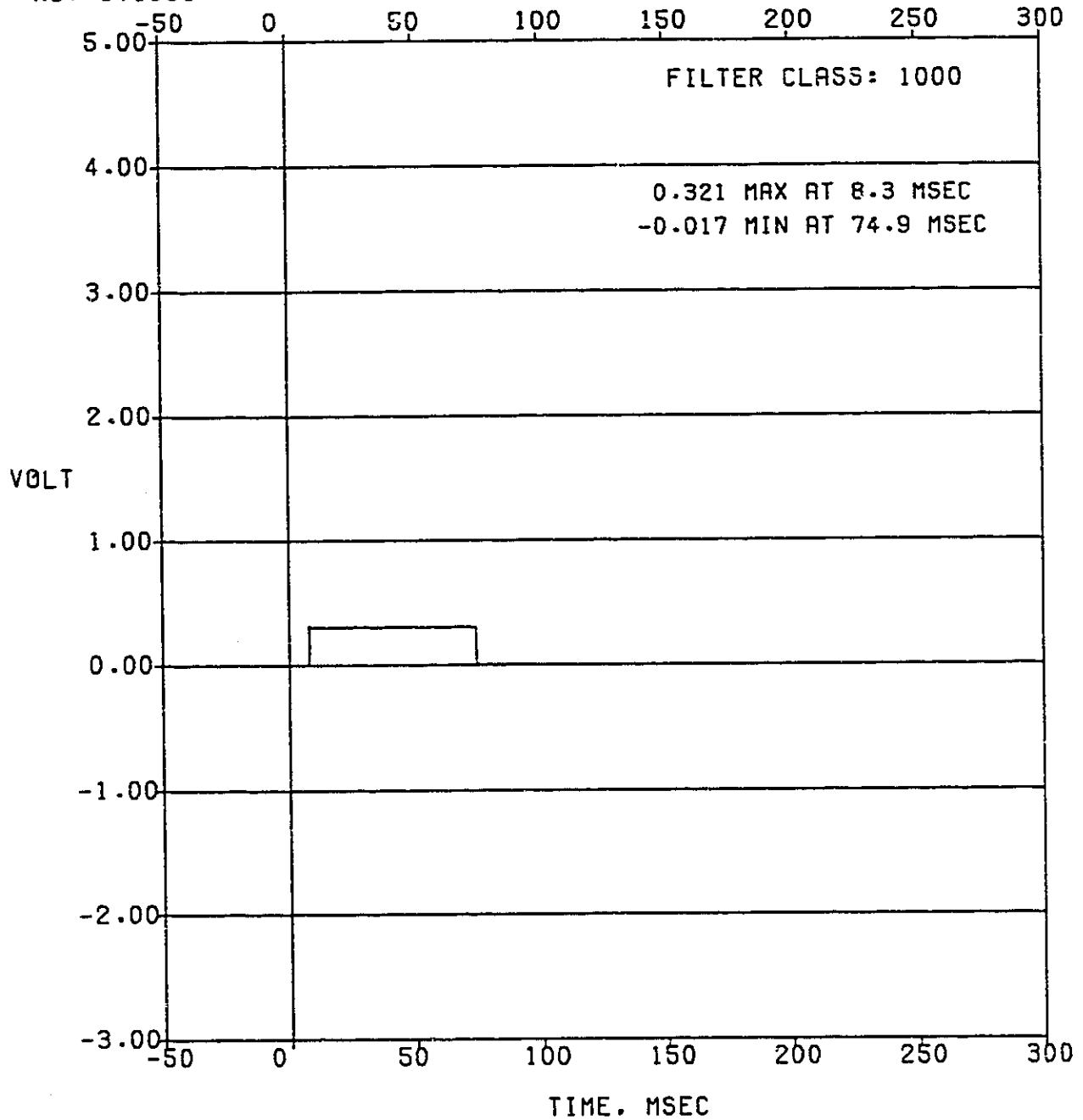
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 11/04/95BG
NOV 8,1995 ERRATA 1



***** NOTE *****
***** EVENT AT -.9 MS *****

CHANNEL 023 LT REAR BODY EVENT EE

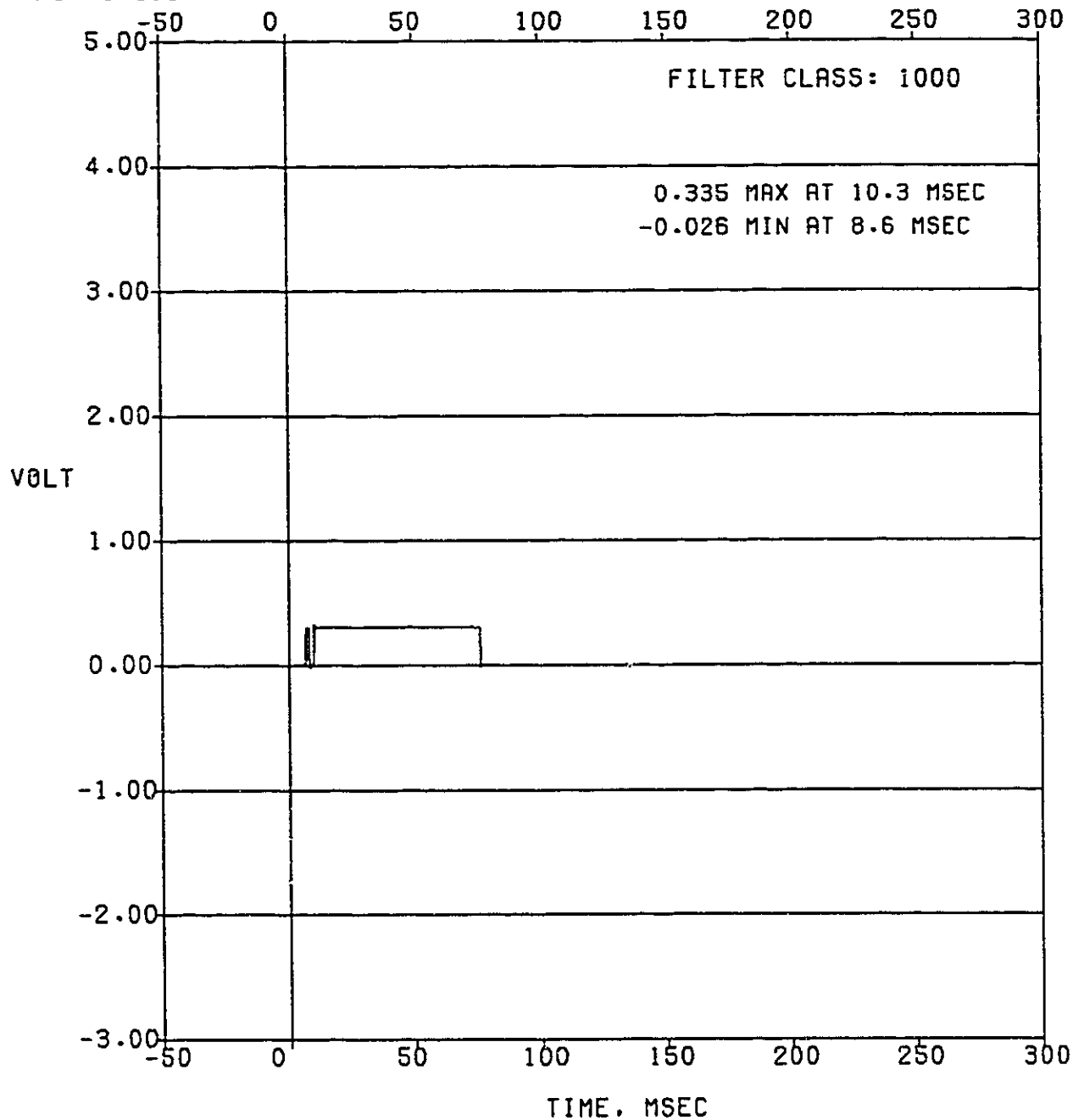
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 11/04/95BG
NOV 8.1995 ERRATA 1



***** NOTE *****
***** EVENT AT 8.0 MS *****

CHANNEL 024 RT REAR BODY EVENT EE

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 11/04/95BG
NOV 8.1995 ERRATA 1

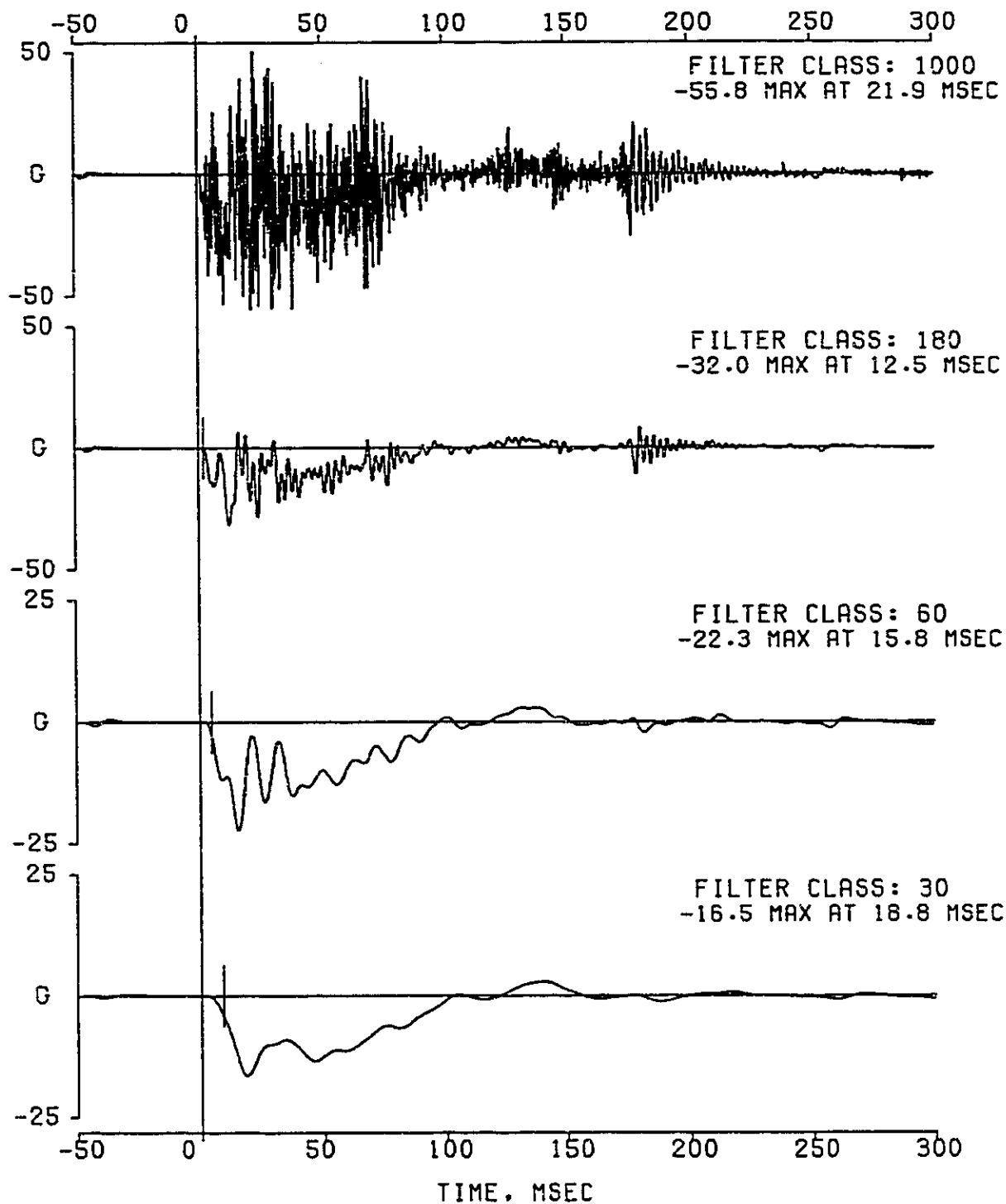


***** NOTE *****
***** EVENT AT 6.9 MS *****

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 027 LT SEAT MIDPAN X 510079
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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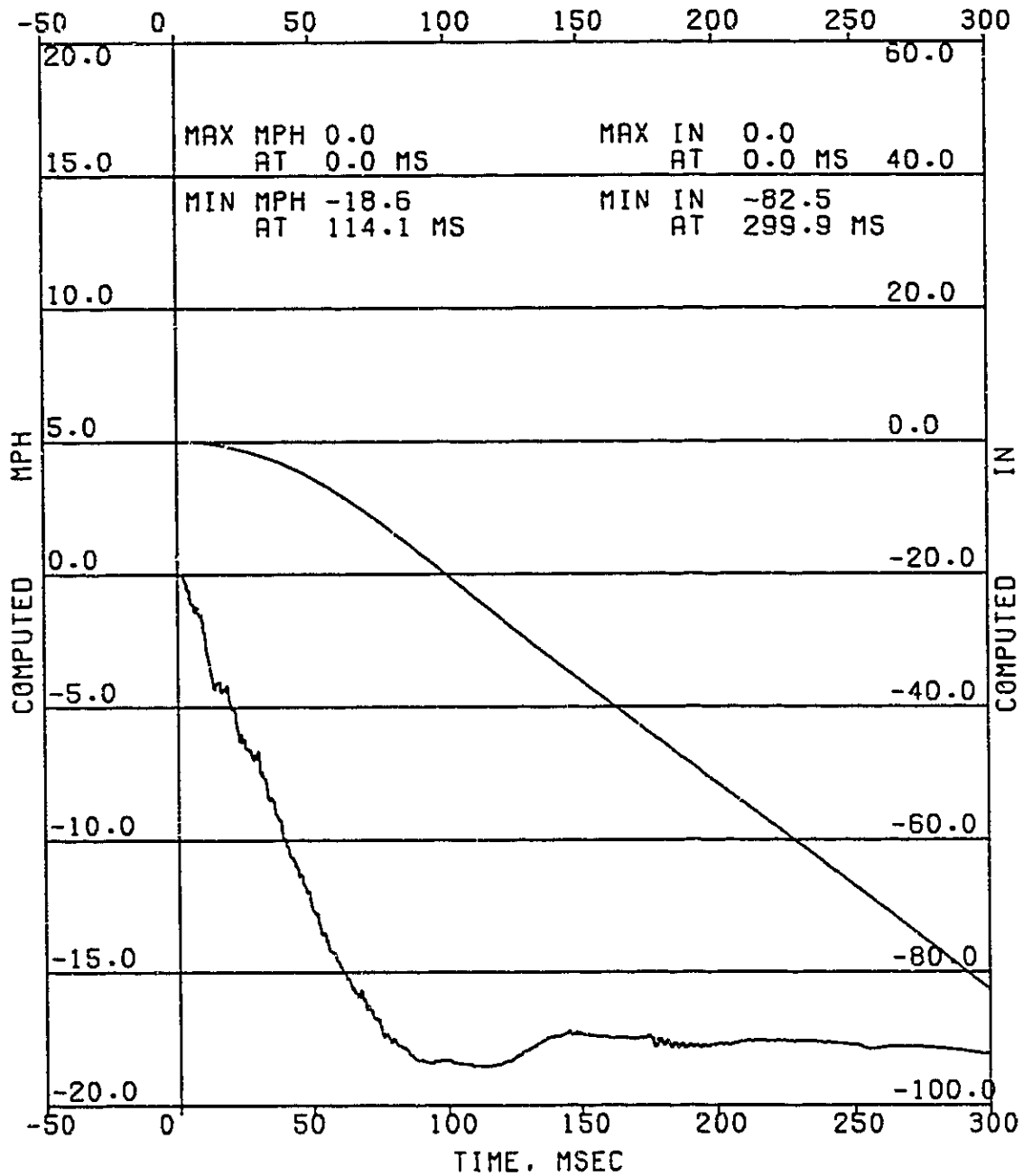
DATA SET 11/04/95BG
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
NOV 8, 1995

DATA SET 11/04/95BG
ERRATA 1

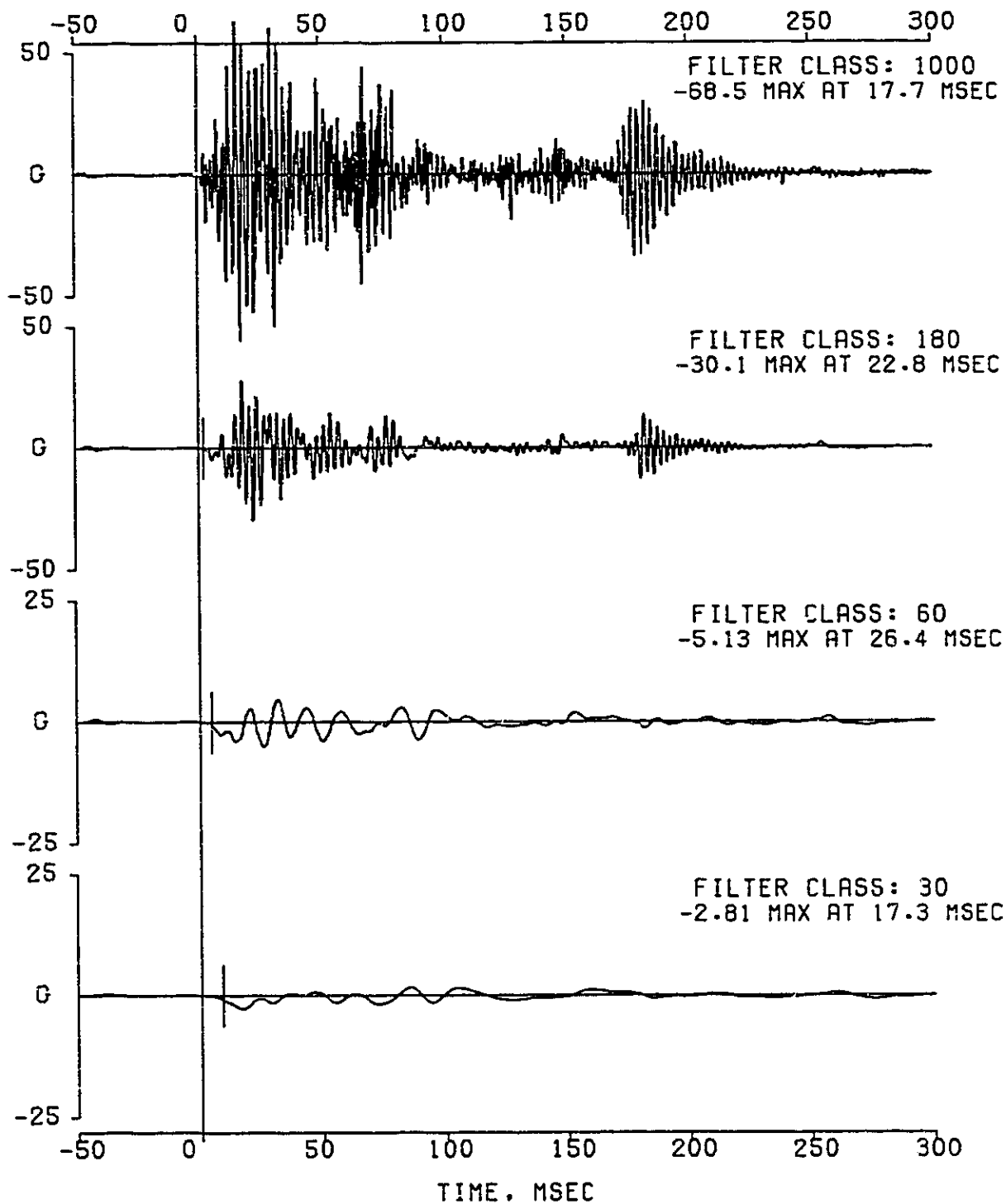


COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJL74.2-5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 028 LT SEAT MIDPAN Y 80486
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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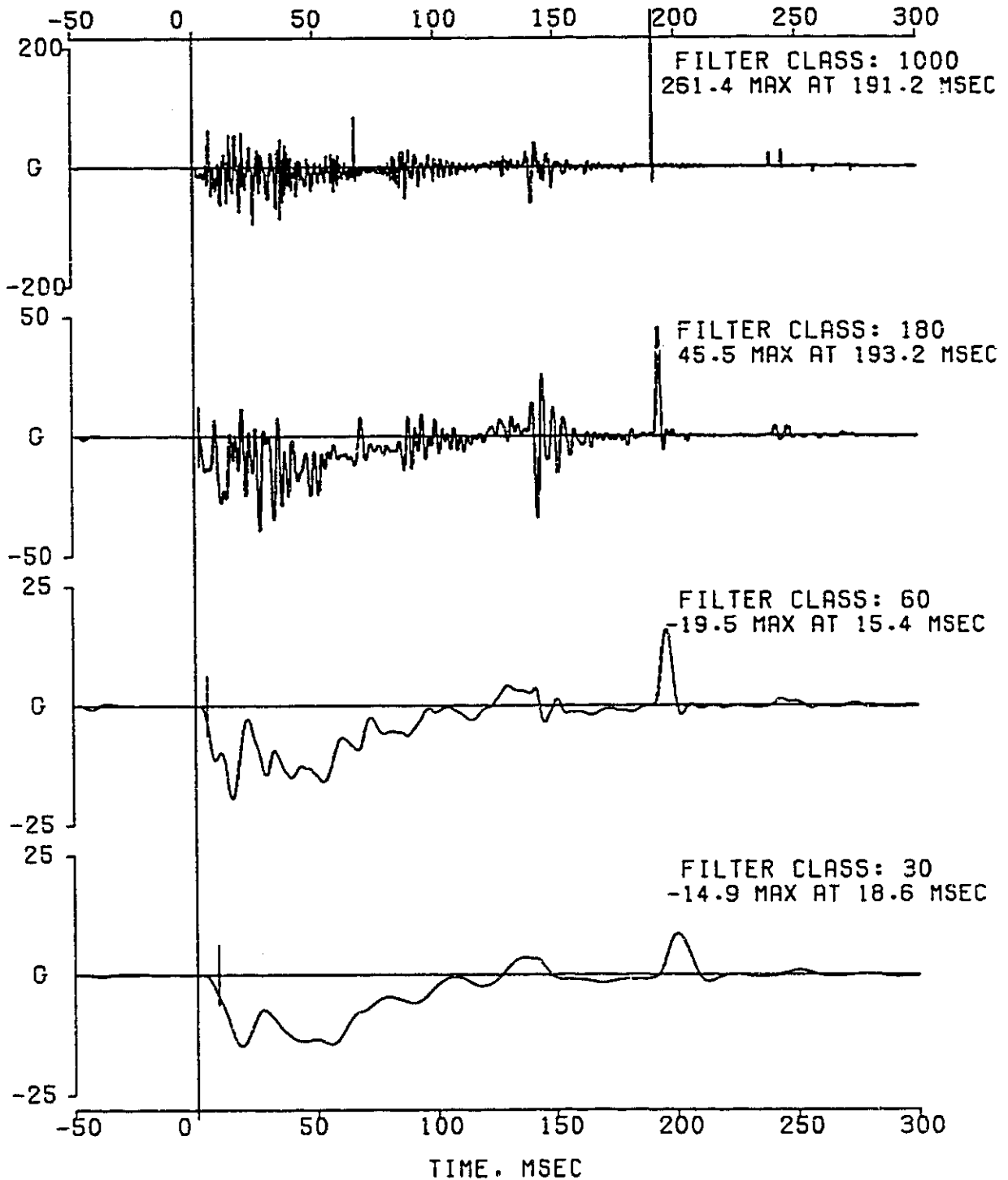
DATA SET 11/04/95BG
ERRATA 1



VC05682 30 MPH TYPE IV REAR IMPACT.XJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 029 RT SEAT MIDPAN X 14345
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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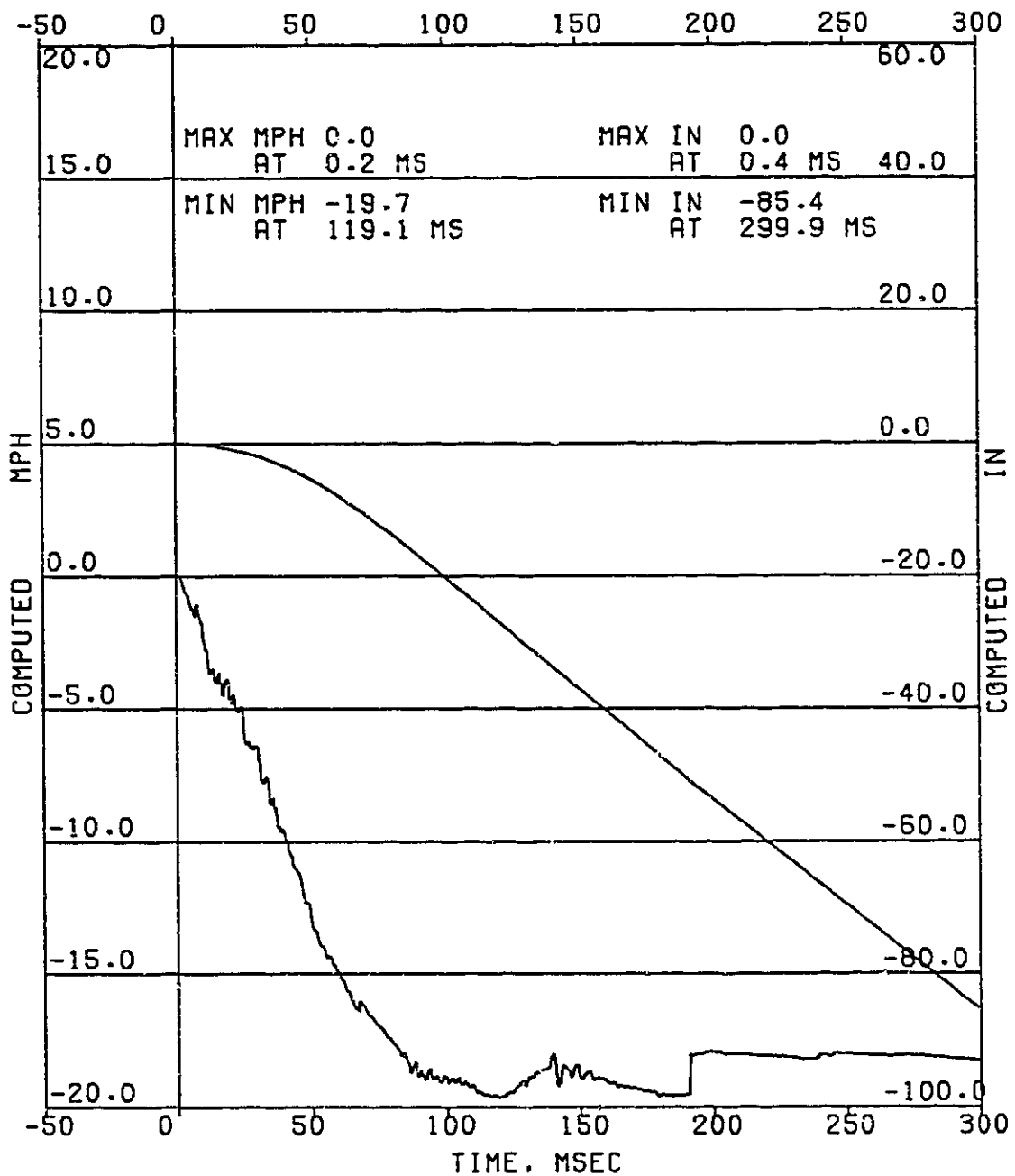
DATA SET 11/04/95BG
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

DATA SET 11/04/95BG
ERRATA 1

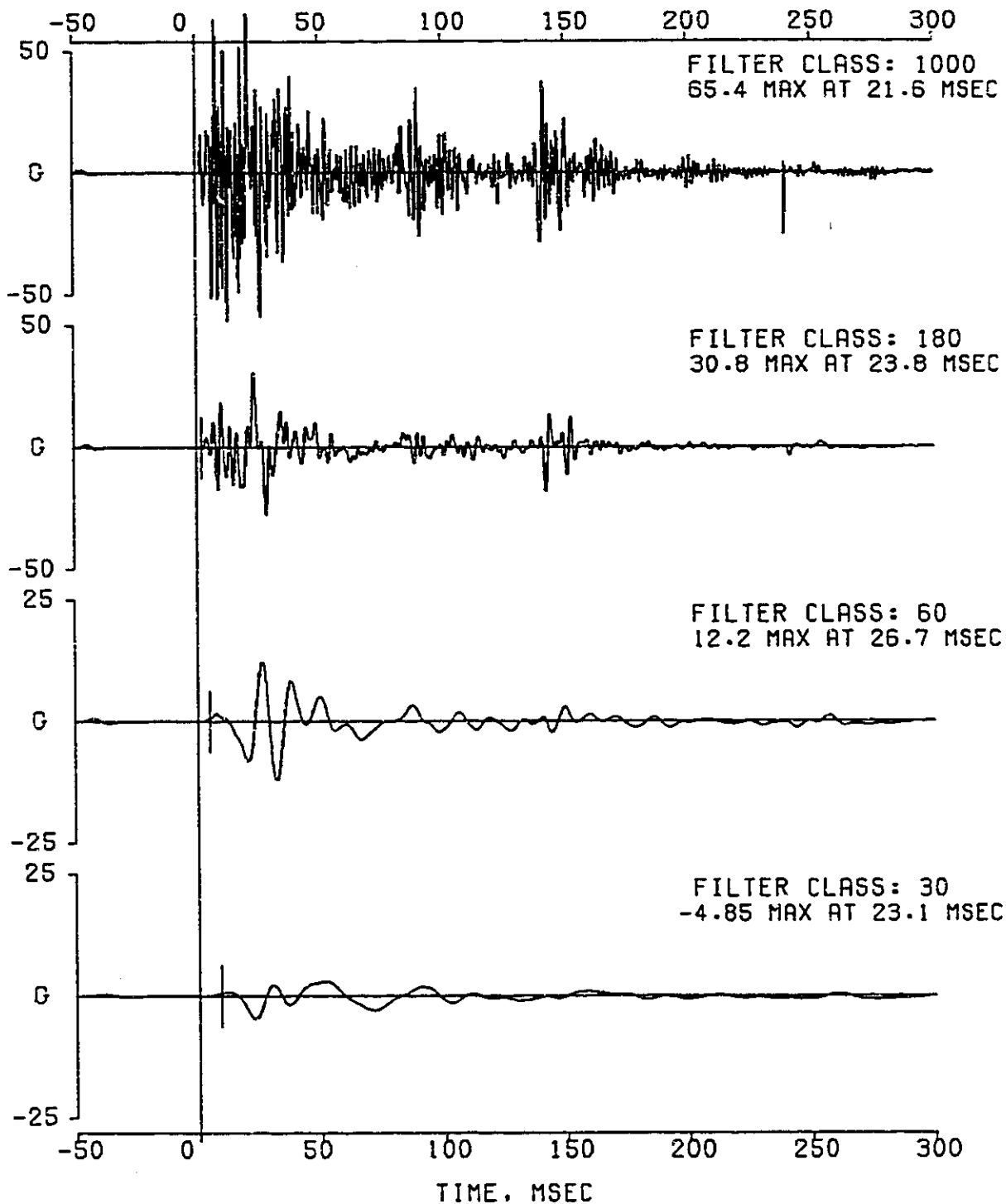


COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJL74.2-5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 030 RT SEAT MIDPAN Y 213618
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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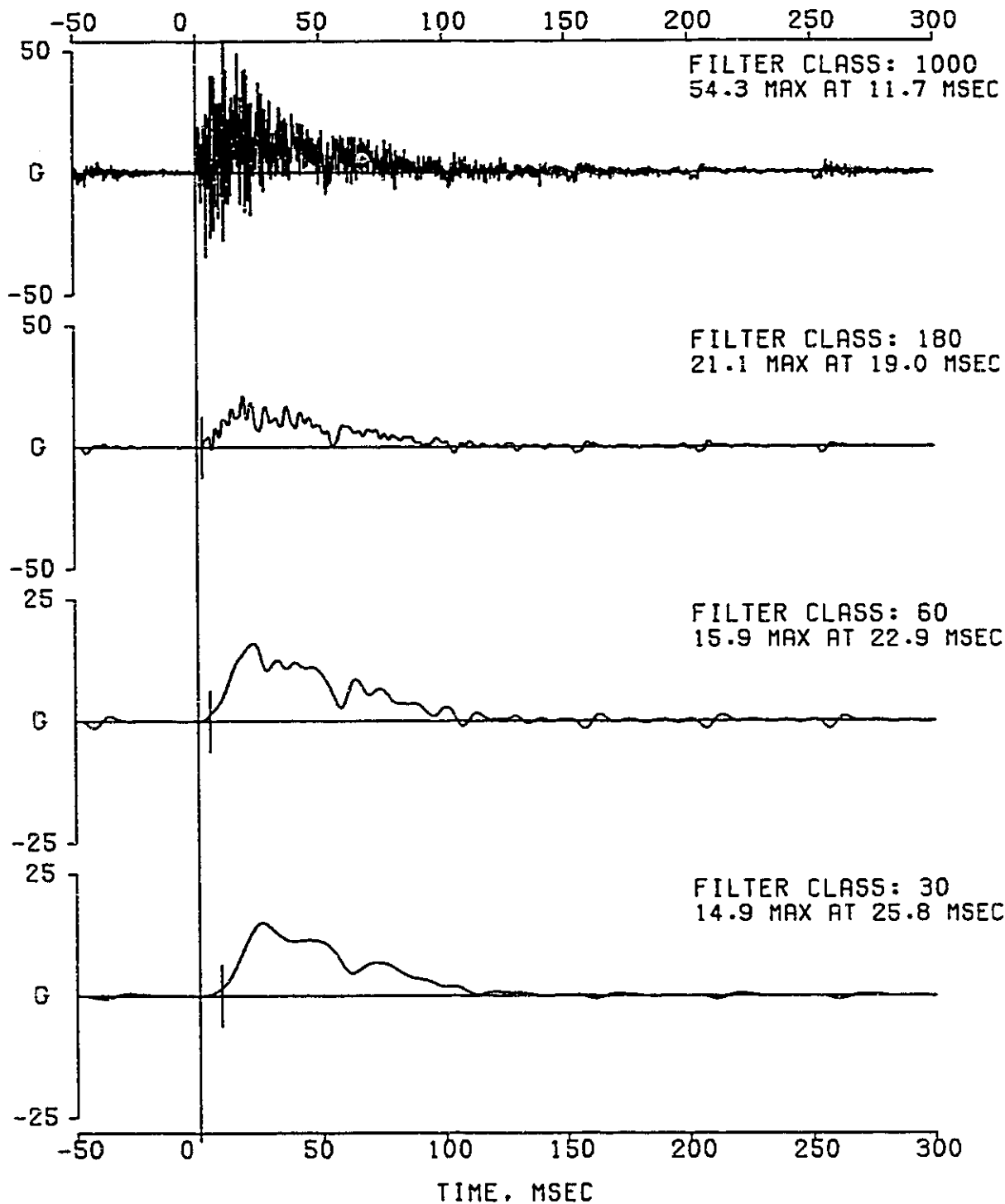
DATA SET 11/04/95BG
ERRATA 1



VC05682 30 MPH TYPE IV REAR IMPACT.XJL74.2-5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 025 LT RAIL MBAR MID X 51120
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

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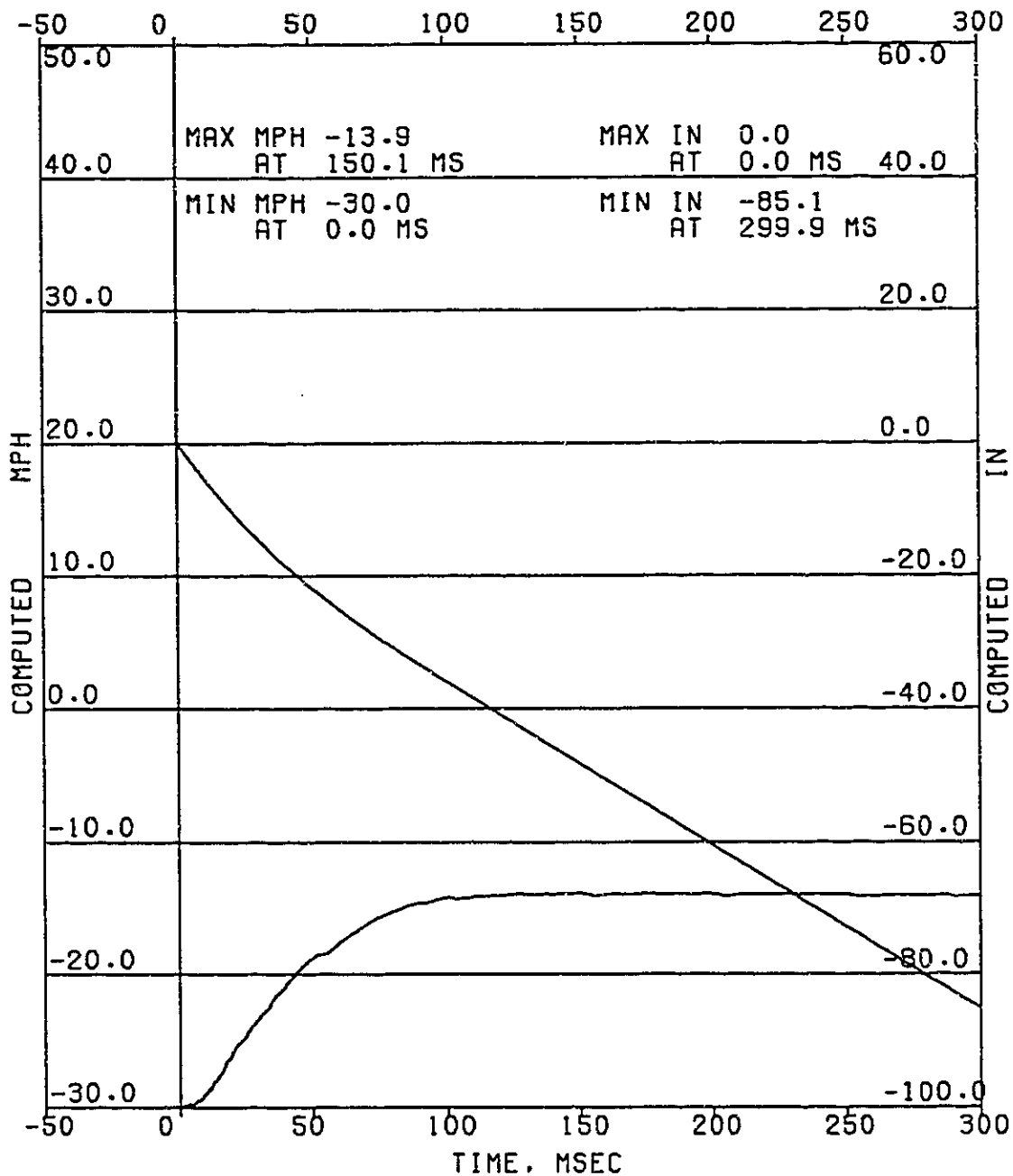
DATA SET 11/04/95BG
ERRATA 1



FILTER TYPE: 03DAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
NOV 8.1995

DATA SET 11/04/95BG
ERRATA 1

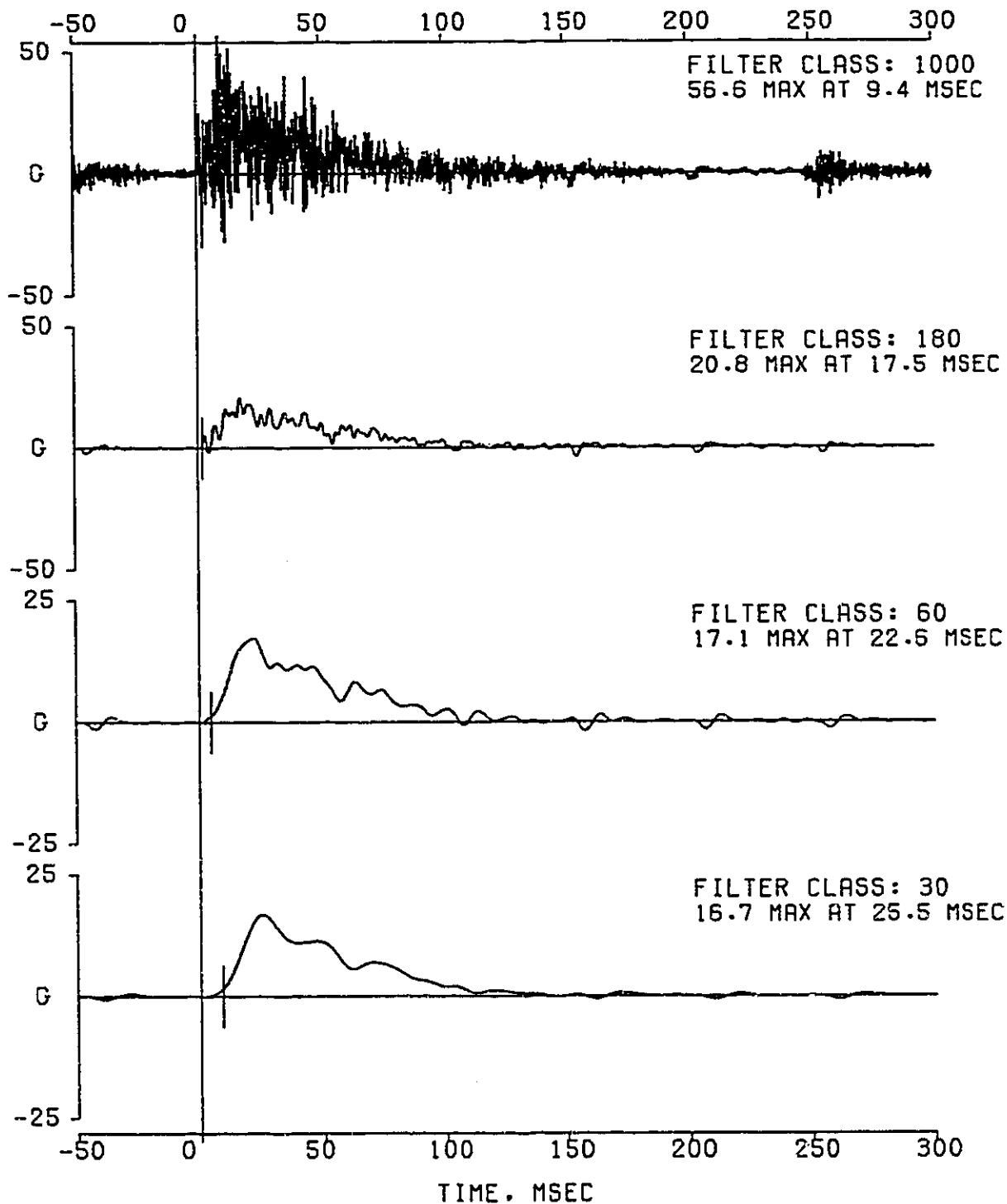


COMPUTED MPH
COMPUTED IN

VC05682 30 MPH TYPE IV REAR IMPACT.XJJL74.2.5L ITEM XJ6066R
1997 FMVSS 301. FUEL SYSTEM INTEGRITY.
CHANNEL 026 RT RAIL MBAR MID X 311303
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

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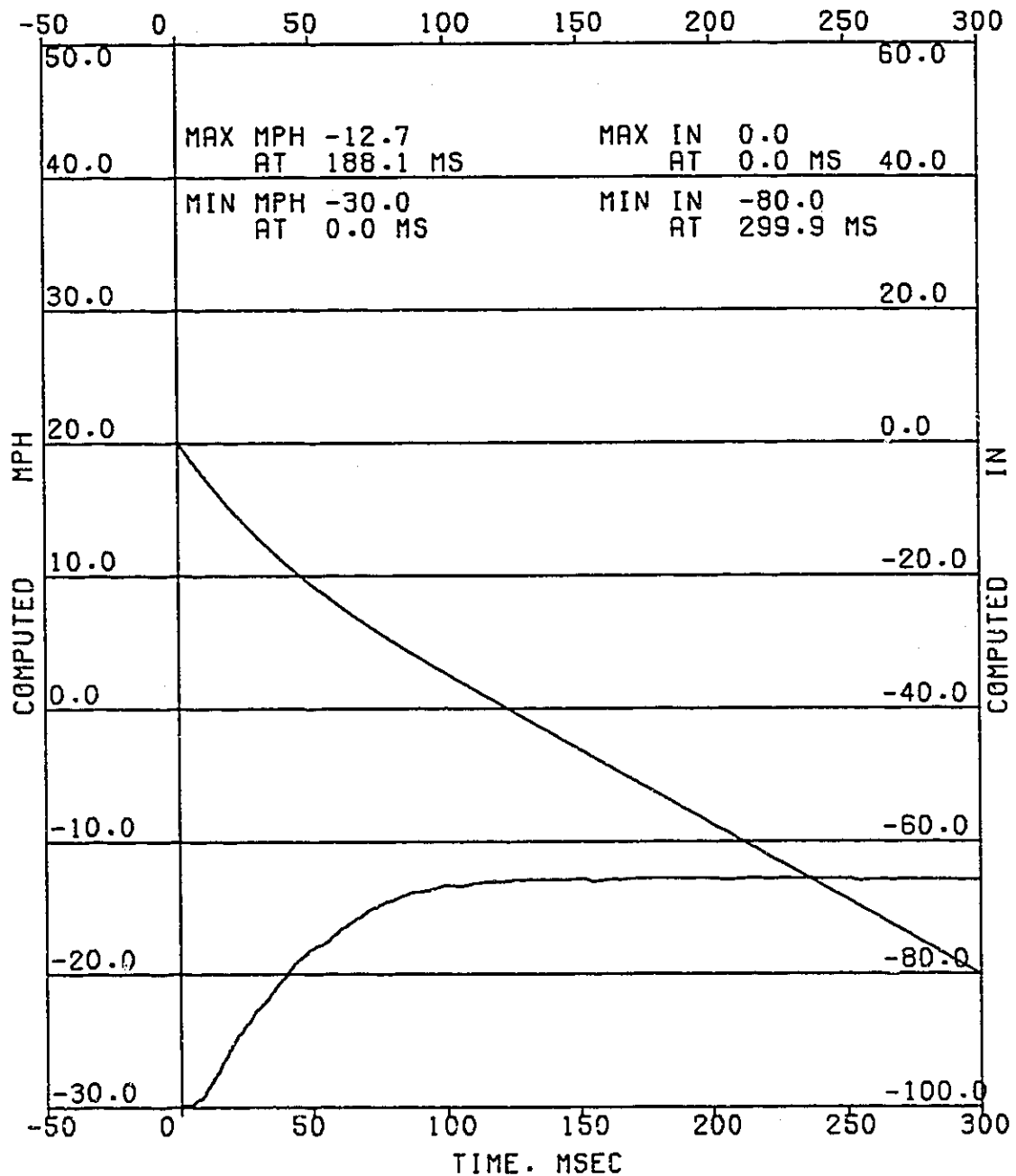
DATA SET 11/04/95BG
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
NOV 8,1995

DATA SET 11/04/95BG
ERRATA 1



COMPUTED MPH
COMPUTED IN



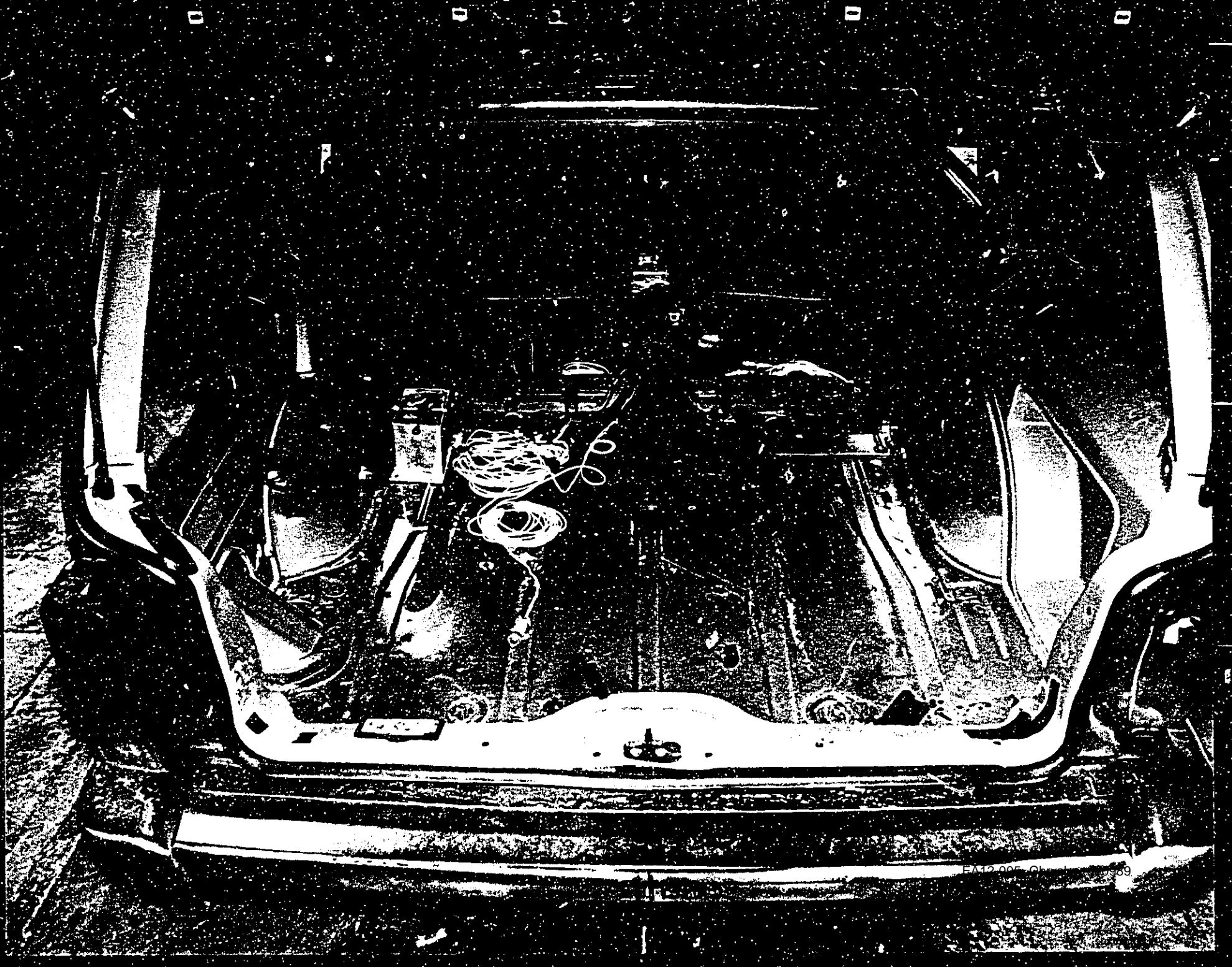
EA12-005- Chrysler_000986



EA12-005- Chrysler -000987

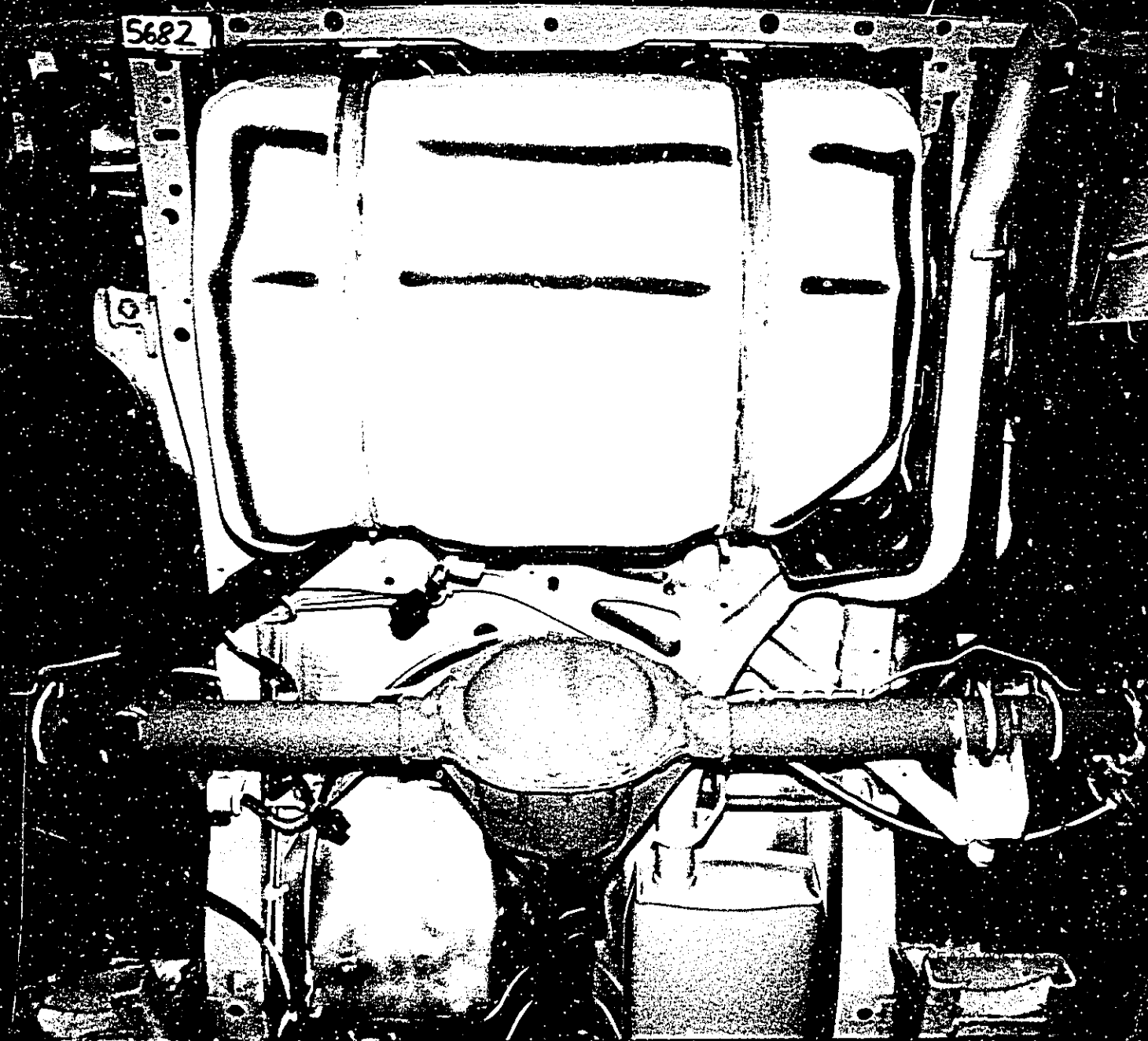


EA12-005- Chrysler -000988



EA42005-01-0009

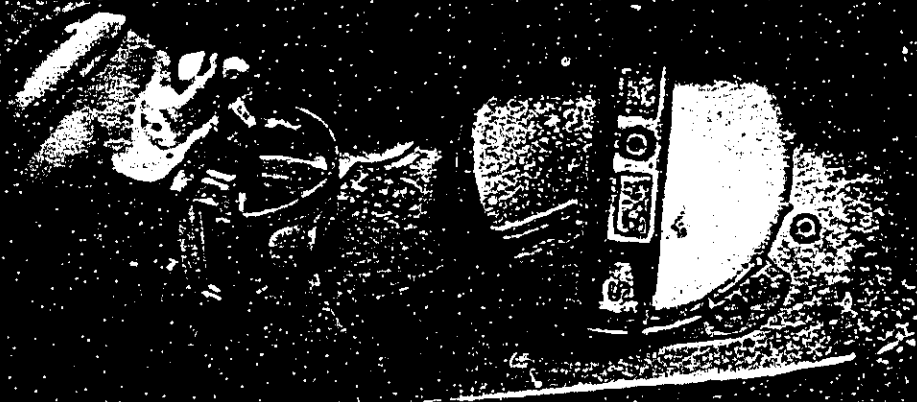
5682



5682

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1900 AI.





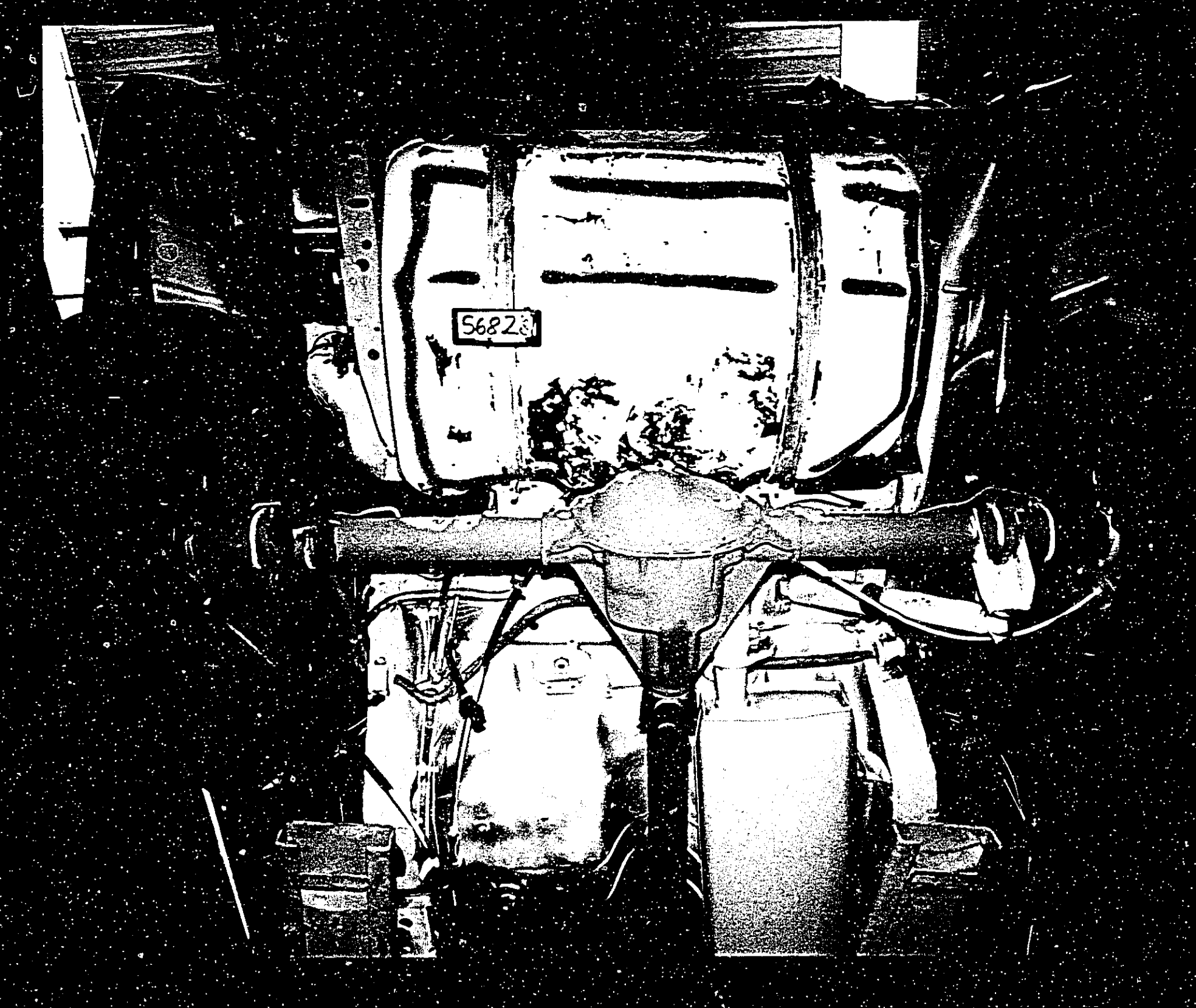
EA12-005- Chrysler -000993

56821

56821

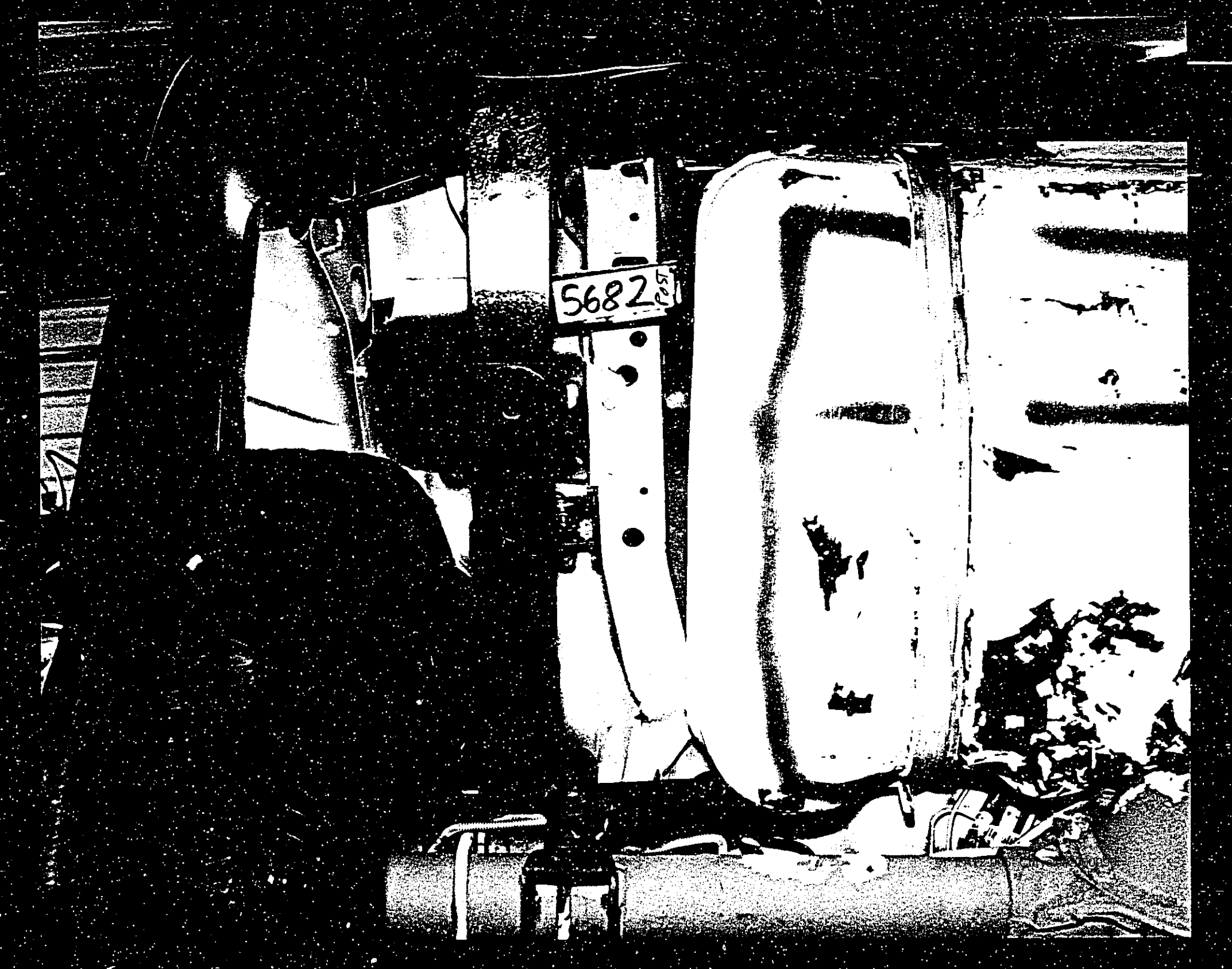
56821

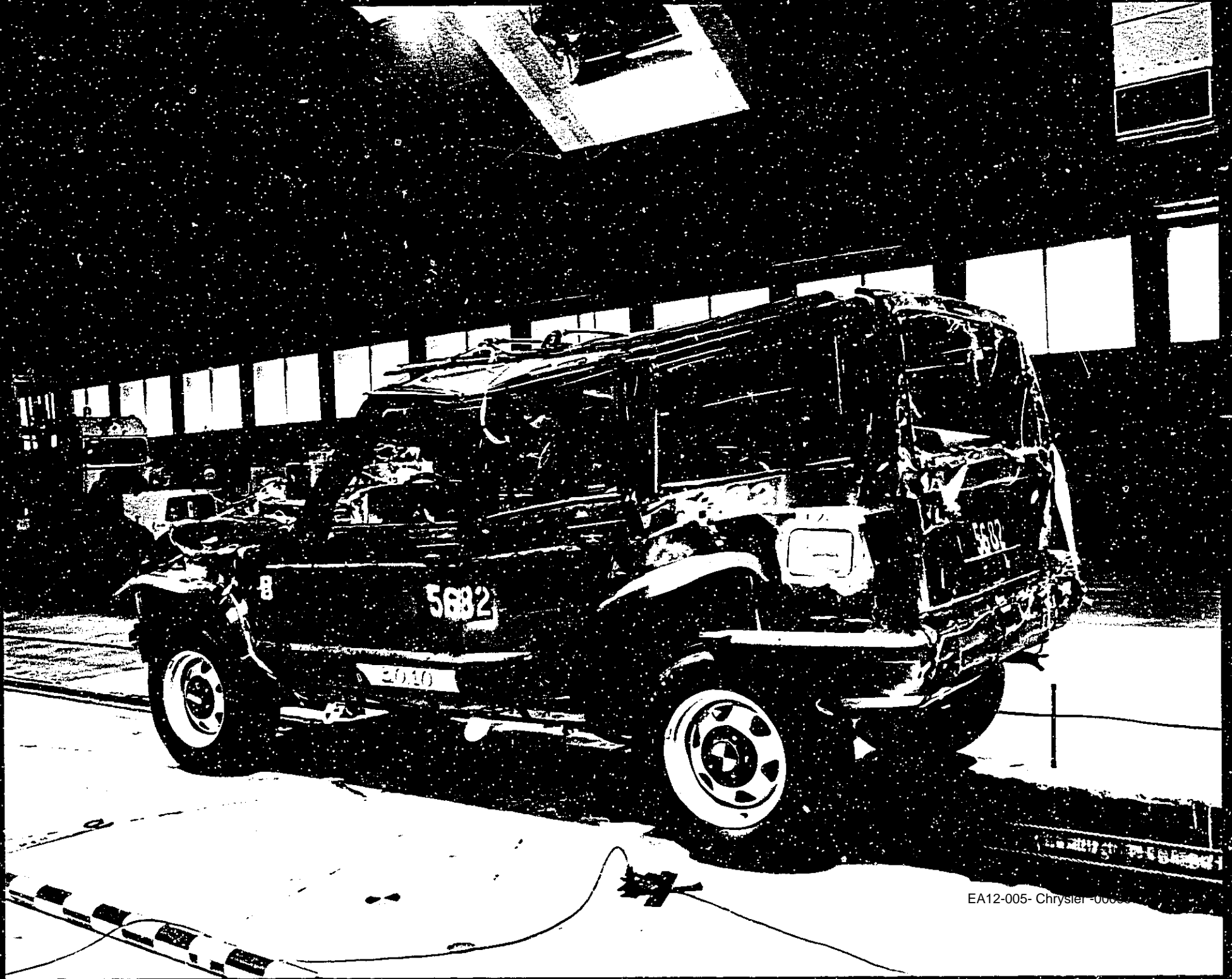
56828

A high-contrast, black and white photograph of a vehicle's rear end, showing the trunk, bumper, and rear suspension. The license plate area contains the number '56828'. The image is heavily stylized with a grainy, high-contrast appearance.

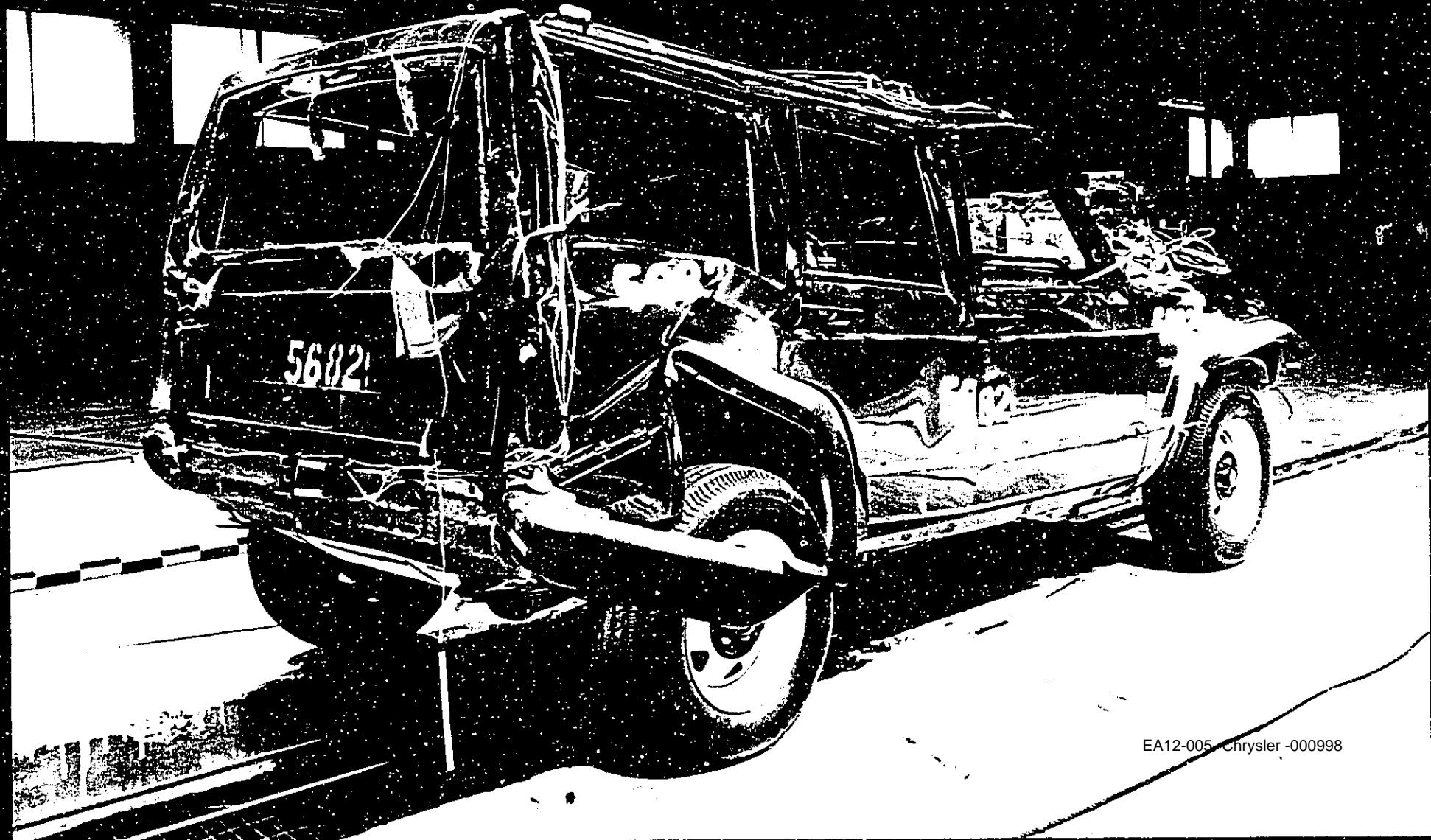
5682

500

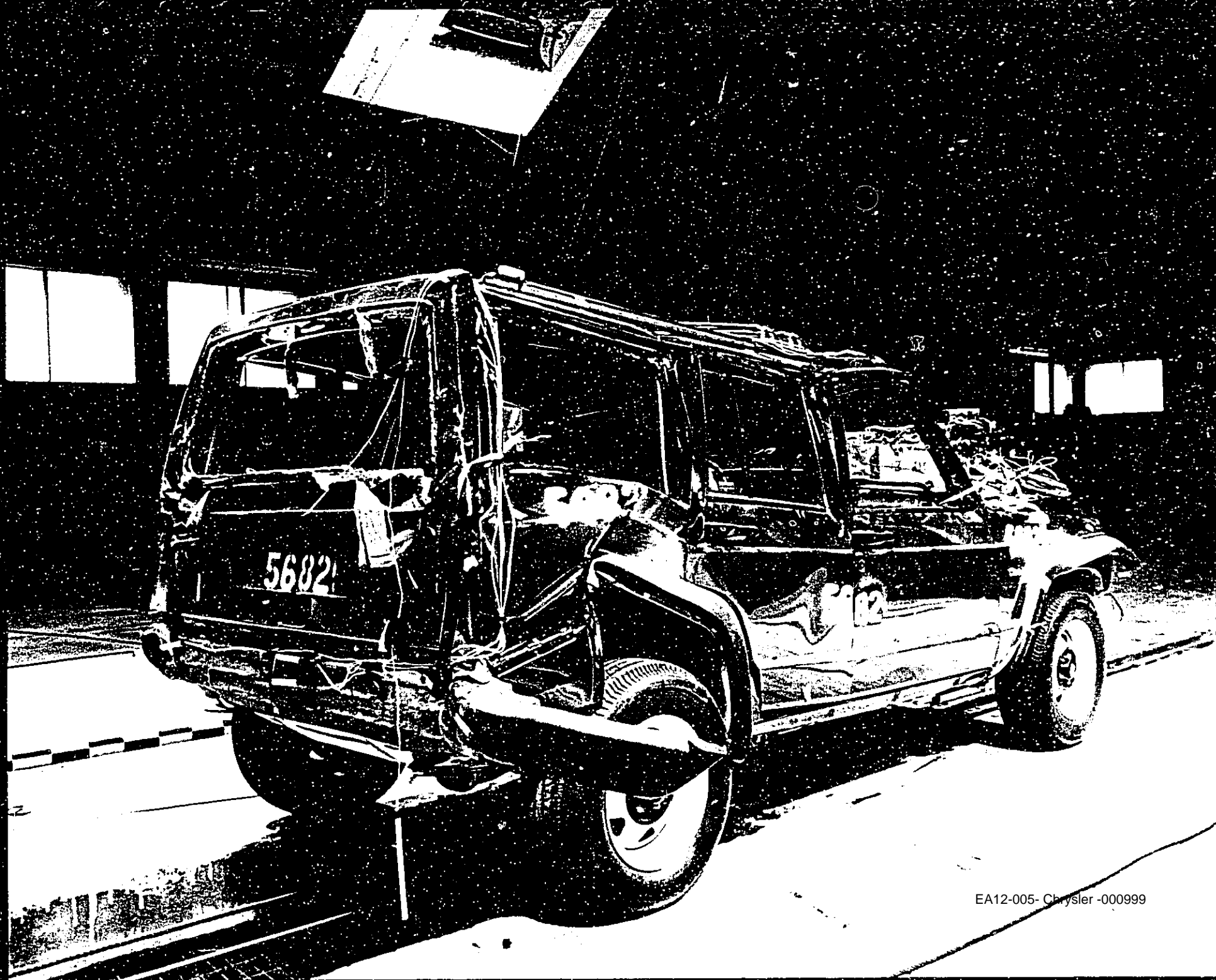




EA12-005- Chrysler-00000



EA12-005 Chrysler -000998



EA12-005- Chrysler -000999

19.09

POST

