

EA12-005

CHRYSLER

12-13-2012

Enclosure 6B

301 Developmental Crash
Tests Public

KJ Development Crash Test

VC09089.Photos-PostTest



9089

EA12-005 Chrysler 604901



9089

EA12-005- Chrysler -004902

52-201
B-1 0241
3-1 0241

9089





9089

M7280L025
LA 24300
00000000000000000000

EA12-005- Chrysler -004904

9089



EA12-005- Chrysler -004905

9089



EA12-005- Chrysler 004906

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EA12-005- Chrysler -004907



EA12-005- Chrysler -00490

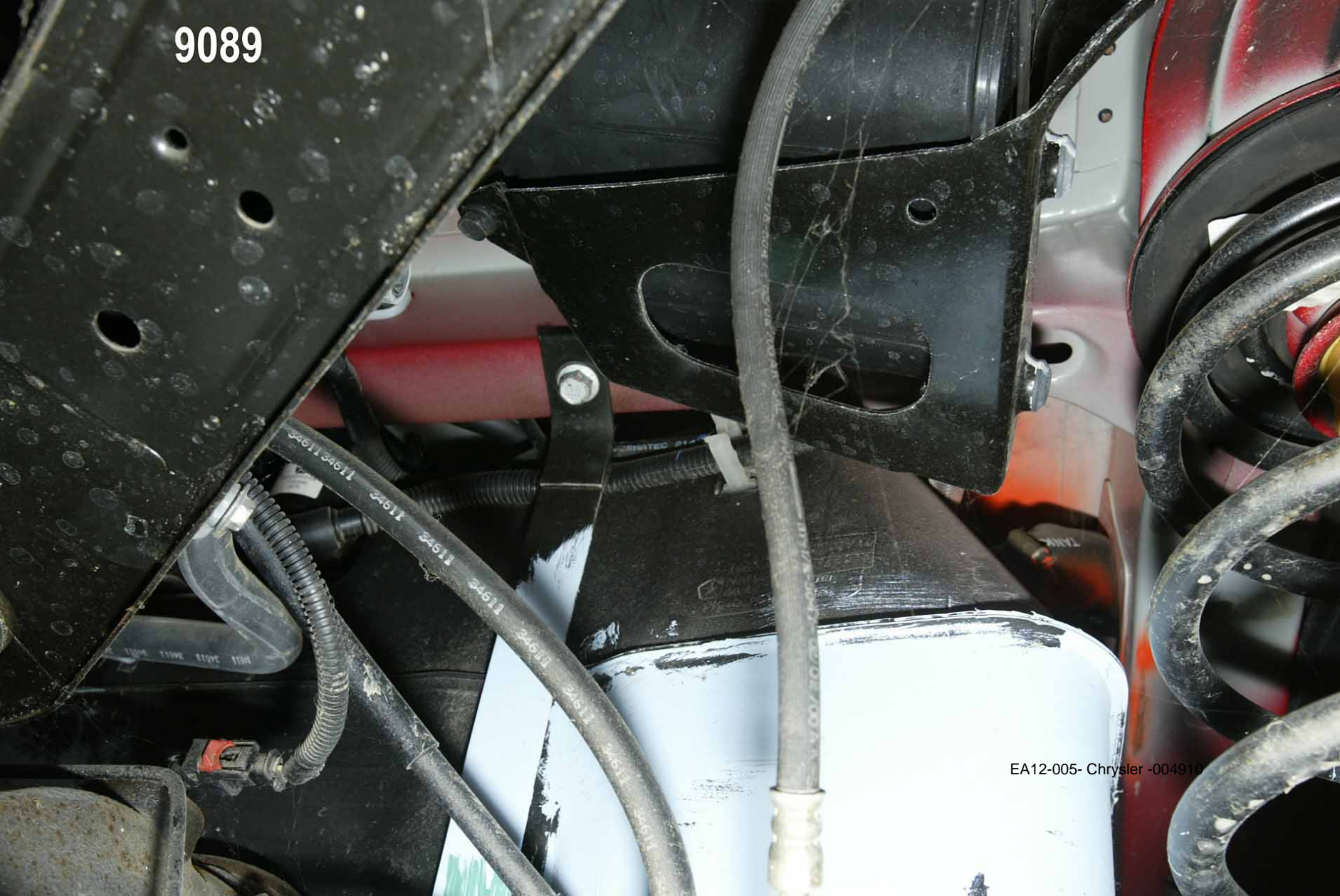
9089



EA12-005- Chrysler -004909

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9089



EA12-005- Chrysler -004910

9089



1175C286051547
877
03

EA12-005- Chrysler -004911



9089

EA12-005- Chrysler -00 912



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EA12-005- Chrysler -004913



EA12-005- Chrysler -004914

9089



P-005 Chrysler

9089

9089

EA12-005- Chrysler -004916



9089



9089

EA12-005- Chrysler -004918

9089

15

EA12-005- Chrysler -004919

9089

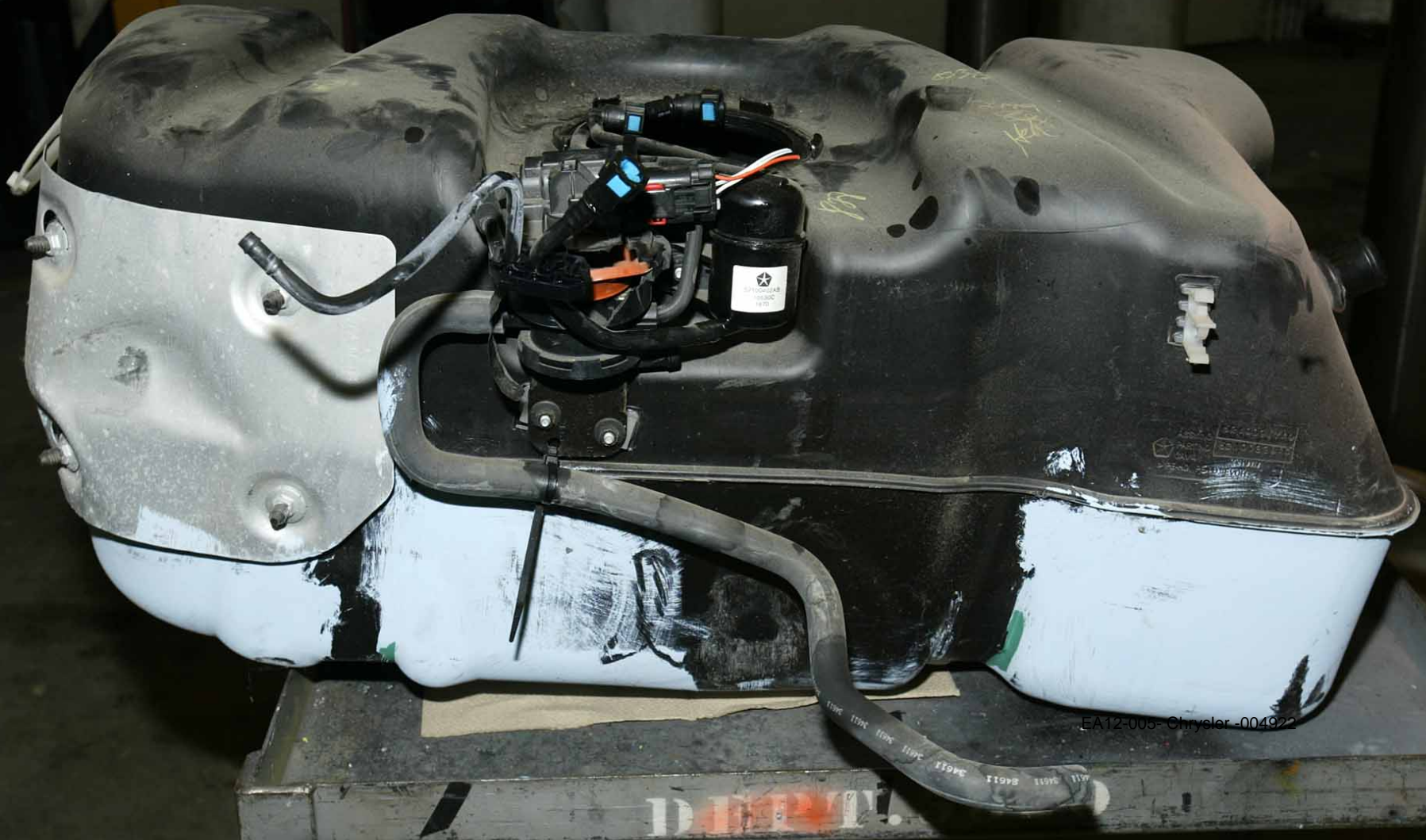


EA12-005- Chrysler -004920



EA12-005- Chrysler -004921
9089

9089



EA12-005-Chrysler-004922

1000

9089



EA12-005- Chrysler -004923



DEPT. 5320

EA12

9089

9089



P52100317AD

9089



EA12-005- Chrysler -004926



9089

EA12-005-Chrysler-004927

9089

9089

4x

560

EA12-005- Chrysler -004928



17.0 Gallons

9089

9079

WRANGLER SR
JOBS NOT READY



9089

9089

9089



EA12-005- Chrysler -004931

9089 post

9089 post



EA12-005 Chrysler-004932

9089 post



EA12-005- Chrysler -004933



EA12-005- Chrysler -004934

9089 post

EA12-005

CHRYSLER

12-13-2012

Enclosure 6B

301 Developmental Crash
Tests Public

KJ Development Crash Test

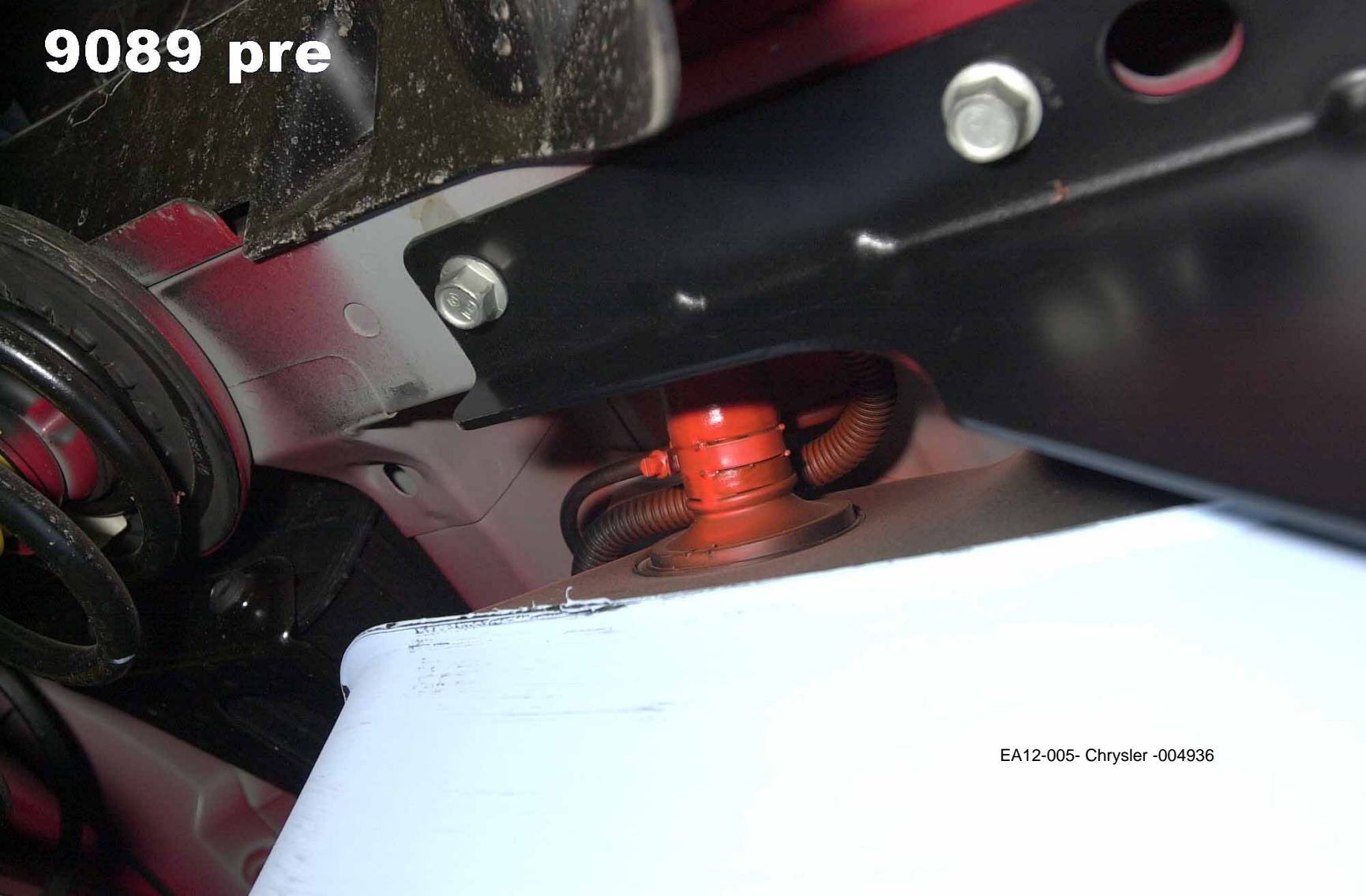
VC09089.Photos-PreTest

9089 pre



EA 1000 Chrysler -004935

9089 pre



EA12-005- Chrysler -004936



518 0049

9089 pre



EA12-005- Chrysler -004938

9089 pre



9089

9089

110 Gallons



9089

9089

9089

J. SWING DATE
LI 79 233-2321

RANGLER SR-A

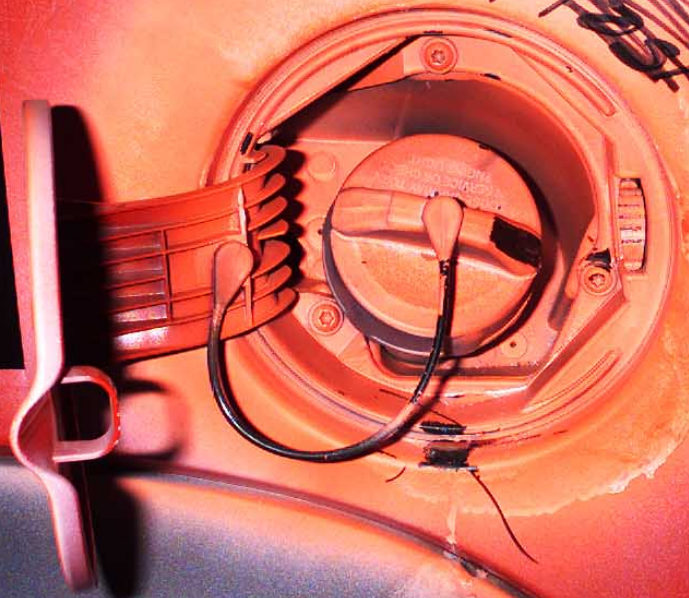
Pre VC9089

089

9089

4x4

0. 0ns



EA12-005

CHRYSLER

12-13-2012

Enclosure 6B

301 Developmental Crash

Tests Public

KJ Development Crash Test

VC9089 Public

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R
2002 MVSS 301 DEVELOPMENT
TEST DATE 03/06/01

TEST PURPOSE PRIMARY, 2002 USA 301 DEVELOPMENT.

IMPACT TYPE TARGET SPEED; 30 MPH
 DAMAGE LOCATION; REAR CENTER
 BARRIER TYPE; REAR TYPE IV
 BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
 CAR LINE; J
 BODY; 74
 ENGINE; 3.7 LITRE
 ENGINE NOTE; ELECTRONIC FUEL INJECTION
 TRANSMISSION; 5 SPEED MANUAL 4x4
 TRANS. NOTE;
 VIN AS TESTED; 1J8GL48K42W [REDACTED] MOD.
 VIN AS BUILT; 1J8GL48K42W [REDACTED] MOD.

TEST SPEED 30.5 MPH BY ELECTRONIC TRAP TIMER.

TEST WEIGHT (LBS) 4892 TOTAL, 2783 FRONT, 2109 REAR

OCCUPANTS LEFT FRONT - BALLAST HII AD-61
 RESTRAINT-BELT ONLY
 RIGHT FRONT - BALLAST HII AD-46
 RESTRAINT-BELT ONLY

BUILD CONDITION

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R
2002 MVSS 301 DEVELOPMENT
TEST DATE 03/06/01

TARGET WEIGHT (LBS) 4250 LBS TOTAL, 2275 LBS FRONT, 1975 LBS REAR
REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
WITHOUT OCCUPANTS OR LUGGAGE
(TARGET TEST WEIGHT 4880 = 4250 + 330 + 300)
FUEL AND BALLAST 17.5 GALLONS STODDARD SOLVENT
300 LBS
650 LBS ON LF & RF FLOORPAN.

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

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

DATE 03/06/01 TIME 15:12:17.

DAIMLERCHRYSLER
 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

ITEM KJ5713R CHARGE NO. 02 ISSUE DATE 03/02/01

9089
 VC 30 MPH REAR MOVING BARRIER, KJJ-74
 2002 MVSS 301 DEVELOPMENT

TEST DATE 3/6/01 ENGINEER SMITH-DIGUE
 SPEED 30.5 MPH SOURCE TRAP

TEST PURPOSE PRIMARY, 2002 USA 301 DEVELOPMENT.

IMPACT TYPE TARGET SPEED; 30 MPH
 DAMAGE LOCATION; REAR CENTER
 BARRIER TYPE; REAR TYPE IV
 BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
 CAR LINE; J
 BODY; 74
 ENGINE; 3.7 LITRE
 ENGINE NOTE; ELECTRONIC FUEL INJECTION
 TRANSMISSION; 5 SPEED MANUAL 4x4
 TRANS. NOTE;
 VIN AS TESTED; 1J8GL48K42W [REDACTED] MOD.
 VIN AS BUILT; 1J8GL48K42W [REDACTED] MOD.

BUILD CONDITION

TARGET WEIGHT (LBS) 4250 LBS TOTAL, 2275 LBS FRONT, 1975 LBS REAR
 REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
 WITHOUT OCCUPANTS OR LUGGAGE
 (TARGET TEST WEIGHT 4880 = 4250 + 330 + 300)

POST TEST REMARKS

EA12-005- Chrysler -003013

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

TEST WEIGHT (LBS)

4892 TOTAL, 2787 FRONT, 2109 REAR

FUEL BALLAST

17.5 GAL. S.S.

LUGGAGE BALLAST

300 LBS

OTHER BALLAST

650 lbs - LF or RF floor pan

OCCUPANTS

LEFT FRONT - BALLAST HII AD NO 67
RESTRAINT-BELT ONLY
RIGHT FRONT - BALLAST HII AD NO 46
RESTRAINT-BELT ONLY

MECHANICAL REQ

MEASURE VEHICLE ATTITUDE AS RECIEVED & POST BUILD-UP AND ADJUST ACCORDINGLY
POSITION SEATS IN MID POSITION FORE/AFT AND LOWEST POSITION VERTICALLY
PLACE TARGETS ON TOP, LT AND RT SIDE OF SPARE TIRE THAT WILL BE VISIBLE IN CAMERA VIEWS
PAINT REAR GATE HANDLE TO ENSURE ANY MOVEMENT IS VISIBLE IN FILM
ENSURE SPARE TIRE, SWING GATE & FLIPPER GLASS REMAIN IN PLACE FOR TEST
ENSURE PARKING BRAKE IS DISENGAGED AND TRANS IS IN NEUTRAL
PLEASE USE SPARE TIRE FROM VC09029 (235 TIRE WITH ALUMINUM RIM)

INSTRUMENTATION REQ

LEFT & RIGHT REAR SILLS X,Z
SWINGGATE ABOVE DOOR HANDLE X,Z - PLEASE EPOXY
ENSURE VEHICLE ELECTRICAL SYSTEM IS POWERED

PHOTOGRAPHIC REQ

1-VELOCITY CAMERA
1-LT & RT CLOSE UP OF REAR QUARTERS OF VEHICLE
1-OVERHEAD VIEW OF SWING GATE HANDLE AT EVENT
1-OVERHEAD VIEW CONTINUING SWUING GATE HANDLE VIEW THROUGH EVENT

PRE AND POST TEST PHOTOS

FILM ANALYSIS

VEHICLE VELOCITY - IF REQUESTED

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

REMARKS

TEST REQUESTER: A. STEFANGO (733-5368)
MAKE 1 COPY OF FILM AND 1 VIDEO AND SEND TO
A. STEFANGO 514-17-39
PLEASE PLACE VEHICLE IN CPG BONEYARD POST IMPACT

T. E. REPORT

REPORT CODES

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

DISTRIBUTION

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

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

*****CHANGED 03/05/01 08:13 STEFANGO SUPPLEMENT 01

TEST PURPOSE

MODIFY PRIMARY, 2002 USA 301 COMPLIANCE.
TO READ PRIMARY, 2002 USA 301 DEVELOPMENT.

MECHANICAL REQ

DELETE TARGET VEHICLE PER THIRD SHEET
DELETE FUEL PUMP TO BE RUNNING DURING TEST
DELETE PRESSURE TEST PRE-TEST WITH PUMP RUNNING
DELETE STATIC ROLL VEHICLE POST TEST

PHOTOGRAPHIC REQ

DELETE 1-LEFT OVERALL (DYNAMIC CRUSH)
DELETE 1-RIGHT OVERALL
DELETE 2-PIT CAMERAS FOR REAR UNDERBODY ANALYSIS
DELETE 1-LEFT SIDE CLOSE UP OF FUEL FILLER AREA FROM PIT

T. E. REPORT

DELETE FUEL SYSTEM REPORT REQUIRED

*****CHANGED 03/05/01 10:50 STEFANGO SUPPLEMENT 02

FUEL BALLAST

DELETE 17.5 GALLONS OF STODDARD SOLVENT

*****CHANGED 03/06/01 07:49 STEFANGO SUPPLEMENT 03

FILM ANALYSIS

DELETE REAR DYNAMIC CRUSH - IF REQUESTED
DELETE REAR UNDERBODY ANALYSIS - IF REQUESTED

*****CHANGED 03/06/01 07:49 STEFANGO SUPPLEMENT 04

TITLE

MODIFY 2002 MVSS 301 COMPLIANCE
TO READ 2002 MVSS 301 DEVELOPMENT

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

ITEM KJ5713R CHARGE NO. 02 ISSUE DATE 03/02/01

VC 9089 30 MPH REAR MOVING BARRIER, KJJ-74
2002 MVSS 301 COMPLIANCE

TEST DATE 1/1/01 ENGINEER Smith-Digue
SPEED _____ MPH SOURCE _____

TEST PURPOSE PRIMARY, 2002 USA 301 DEVELOPMENT.

IMPACT TYPE TARGET SPEED; 30 MPH
DAMAGE LOCATION; REAR CENTER
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; J
BODY; 74
ENGINE; 3.7 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 5 SPEED MANUAL 4x4
TRANS. NOTE;
VIN AS TESTED; 1J8GL48K42W [REDACTED] MOD.
VIN AS BUILT; 1J8GL48K42W [REDACTED] MOD.

BUILD CONDITION

TARGET WEIGHT (LBS) 4250 LBS TOTAL, 2275 LBS FRONT, 1975 LBS REAR
REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
WITHOUT OCCUPANTS OR LUGGAGE
(TARGET TEST WEIGHT 4880 = 4250 + 330 + 300)

POST TEST REMARKS _____

DAIMLERCHRYSLER
 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

TEST WEIGHT (LBS) 4892 TOTAL, 2783 FRONT, 2109 REAR

FUEL BALLAST

LUGGAGE BALLAST 300 LBS

OTHER BALLAST 650 lbs LF and RT floor pan

OCCUPANTS

LEFT FRONT - BALLAST HII
 RESTRAINT-BELT ONLY
 RIGHT FRONT - BALLAST HII
 RESTRAINT-BELT ONLY

AD NO 61
 AD NO 46

MECHANICAL REQ

MEASURE VEHICLE ATTITUDE AS RECIEVED & POST BUILD-
 UP AND ADJUST ACCORDINGLY
 POSITION SEATS IN MID POSITION FORE/AFT AND
 LOWEST POSITION VERTICALLY
 PLACE TARGETS ON TOP, LT AND RT SIDE OF SPARE TIRE
 THAT WILL BE VISIBLE IN CAMERA VIEWS
 PAINT REAR GATE HANDLE TO ENSURE ANY MOVEMENT IS
 VISIBLE IN FILM
 ENSURE SPARE TIRE, SWING GATE & FLIPPER GLASS
 REMAIN IN PLACE FOR TEST
 ENSURE PARKING BRAKE IS DISENGAGED AND TRANS IS
 IN NEUTRAL
 PLEASE USE SPARE TIRE FROM VC09029 (235 TIRE WITH
 ALUMINUM RIM)

INSTRUMENTATION REQ

LEFT & RIGHT REAR SILLS X,Z
 SWINGGATE ABOVE DOOR HANDLE X,Z - PLEASE EPOXY
 ENSURE VEHICLE ELECTRICAL SYSTEM IS POWERED

PHOTOGRAPHIC REQ

1-VELOCITY CAMERA
 1-LT & RT CLOSE UP OF REAR QUARTERS OF VEHICLE
 1-OVERHEAD VIEW OF SWING GATE HANDLE AT EVENT
 1-OVERHEAD VIEW CONTINUING SWUING GATE HANDLE VIEW
 THROUGH EVENT

PRE AND POST TEST PHOTOS

FILM ANALYSIS

REAR DYNAMIC CRUSH - IF REQUESTED
 REAR UNDERBODY ANALYSIS - IF REQUESTED
 VEHICLE VELOCITY - IF REQUESTED

DAIMLERCHRYSLER
 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

REMARKS

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 PLEASE PLACE VEHICLE IN CPG BONEYARD POST IMPACT

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REPORT CODES

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

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

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

*****CHANGED 03/05/01 08:13 STEFANGO SUPPLEMENT 01

TEST PURPOSE

MODIFY PRIMARY, 2002 USA 301 COMPLIANCE.
TO READ PRIMARY, 2002 USA 301 DEVELOPMENT.

MECHANICAL REQ

DELETE TARGET VEHICLE PER THIRD SHEET
DELETE FUEL PUMP TO BE RUNNING DURING TEST
DELETE PRESSURE TEST PRE-TEST WITH PUMP RUNNING
DELETE STATIC ROLL VEHICLE POST TEST

PHOTOGRAPHIC REQ

DELETE 1-LEFT OVERALL (DYNAMIC CRUSH)
DELETE 1-RIGHT OVERALL
DELETE 2-PIT CAMERAS FOR REAR UNDERBODY ANALYSIS
DELETE 1-LEFT SIDE CLOSE UP OF FUEL FILLER AREA FROM PIT

T. E. REPORT

DELETE FUEL SYSTEM REPORT REQUIRED

*****CHANGED 03/05/01 10:50 STEFANGO SUPPLEMENT 02

FUEL BALLAST

DELETE 17.5 GALLONS OF STODDARD SOLVENT

VEHICLE ATTITUDE

TEST NUMBER VC9089

TEST ENGINEER SMITH

ITEM NUMBER KJ5713R



FENDER/WHEELWELL HEIGHTS

_____ SILL HEIGHTS

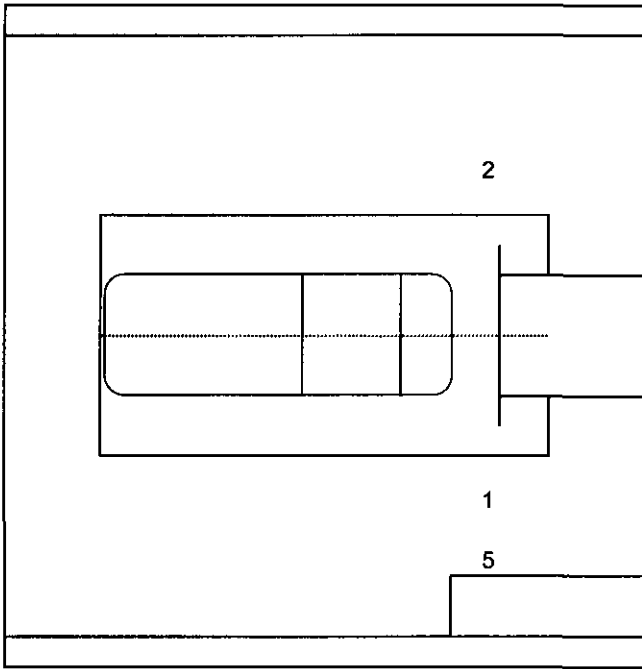
AS RECEIVED

AS BUILT-UP

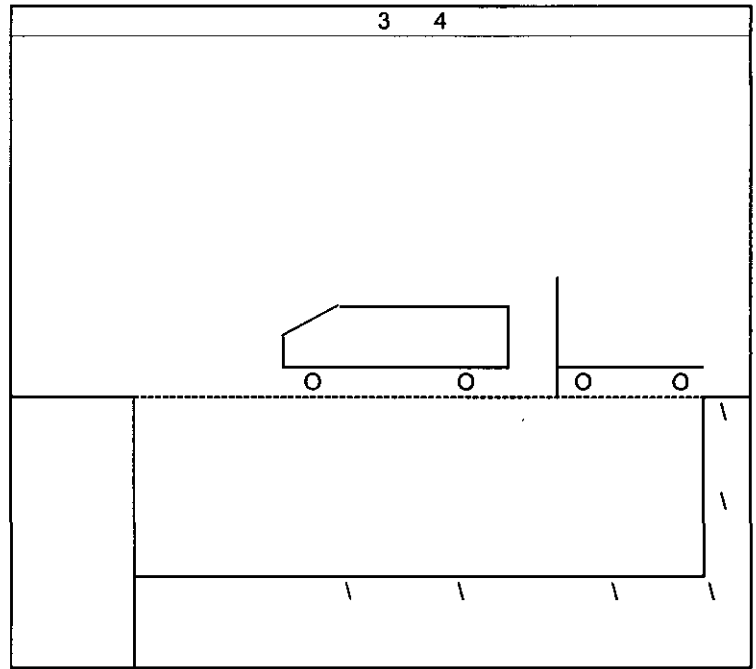
AS TESTED

	LF	LR	RF	RR
AS RECEIVED	32.8	33.4	32.9	33.8
AS BUILT-UP	31.0	32.7	30.1	32.2
AS TESTED				

PLAN VIEW



SIDE VIEW



TEST NUMBER:	VC9089	VEHICLE TYPE:	KJ
TEST TYPE:	30 MPH REAR TYPE IV IMPACT	TEST ENGINEER:	SMITH
REQUEST DATE:	3/5/01		

#	VIEW DESCRIPTION A=ANALYSIS	CAM S/N	LENS FL	LENS S/N	LENS MFG.	F - STP	PN	SK	CB	MISC
1	LT - CLOSE-UP OF REAR QUARTER	1876	35MM	111302	KIN					
2	RT - CLOSEUP OF REAR QUARTER	1878*	35MM	111290	KIN					
3	CATWALK - SWING GATE	283	ZOOM	#3	CAN					
4	CATWALK - SWING GATE CONTINUED VIEW	284	ZOOM	#4	CAN					
5	A VELOCITY	287	100MM	D73487	WOL					

3/6/01

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC9089, ITEM NUMBER KTS7BR TEST ENGINEER Smith

V.I.N. 1J86L48K42w [REDACTED] TEST DATE 3/6/04, ROLL DATE 1/1

TEST TYPE; Rear

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 17.5 GALLONS

TEST SPEED 30.5 MPH, TEST WEIGHT 4892 POUNDS.

POST IMPACT LEAKAGE(OZ); AT IMPACT 0

1ST 5 MIN. 0

NEXT 25 MIN. 0

POST TEST PRESSURE CHECK N/A

ELECTRIC FUEL PUMP RUN N/A

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE _____ 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

POST TEST FUEL SYSTEM OBSERVATIONS _____

DATE 03/07/01
TIME 12:47:00.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC09089 ITEM KJ5713R
VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R
2002 MVSS 301 DEVELOPMENT
TEST DATE 03/06/01

TEST PURPOSE PRIMARY, 2002 USA 301 DEVELOPMENT.

IMPACT TYPE TARGET SPEED; 30 MPH
DAMAGE LOCATION; REAR CENTER
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; J
BODY; 74
ENGINE; 3.7 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 5 SPEED MANUAL 4x4
TRANS. NOTE;
VIN AS TESTED; 1J8GL48K42W [REDACTED] MOD.
VIN AS BUILT; 1J8GL48K42W [REDACTED] MOD.

TEST SPEED 30.5 MPH BY ELECTRONIC TRAP TIMER.

TEST WEIGHT (LBS) 4892 TOTAL, 2783 FRONT, 2109 REAR

OCCUPANTS LEFT FRONT - BALLAST HII AD-61
RESTRAINT-BELT ONLY
RIGHT FRONT - BALLAST HII AD-46
RESTRAINT-BELT ONLY

BUILD CONDITION

DATE 03/07/01
TIME 12:47:00.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC09089 ITEM KJ5713R
VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R
2002 MVSS 301 DEVELOPMENT
TEST DATE 03/06/01

TARGET WEIGHT (LBS) 4250 LBS TOTAL, 2275 LBS FRONT, 1975 LBS REAR
REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
WITHOUT OCCUPANTS OR LUGGAGE
(TARGET TEST WEIGHT 4880 = 4250 + 330 + 300)
FUEL AND BALLAST 17.5 GALLONS STODDARD SOLVENT
300 LBS
650 LBS ON LF & RF FLOORPAN.

EDP TECHNICIAN S. MARCHENIA

No. of Pages 21
CC

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

TITLE: Page Index of EDP plots Pages 001 - 021
 ***** VC09089A ***** Page I-01
 TITLE: Transducer Summary Reports Pages 001 - 002
 PAGE: 001 TSR Channels 001 - 006
 PAGE: 002 TSR Channels 033 - 034

 ***** VC09089B *****
 TITLE: Vehicle Channels Pages 003 - 017
 PAGE: 003 Average of Rear Sill Chls 1 & 3
 PAGE: 004 Average of @H Chls 5 6
 PAGE: 005 Average of @A Chls 5 6
 PAGE: 006 Average of @N Chls 5 6
 PAGE: 007 Average of @D Chls 5 6
 PAGE: 008 Average of @L Chls 5 6
 PAGE: 009 LEFT REAR SILL X, Chl 1
 PAGE: 010 LEFT REAR SILL X, Chl 1, VD
 PAGE: 011 LEFT REAR SILL Z, Chl 2
 PAGE: 012 RIGHT REAR SILL X, Chl 3
 PAGE: 013 RIGHT REAR SILL X, Chl 3, VD
 PAGE: 014 RIGHT REAR SILL Z, Chl 4
 PAGE: 015 REAR SWING GATE @HANDLX, Chl 5
 PAGE: 016 REAR SWING GATE @HANDLX, Chl 5, VD
 PAGE: 017 REAR SWING GATE @HANDLZ, Chl 6

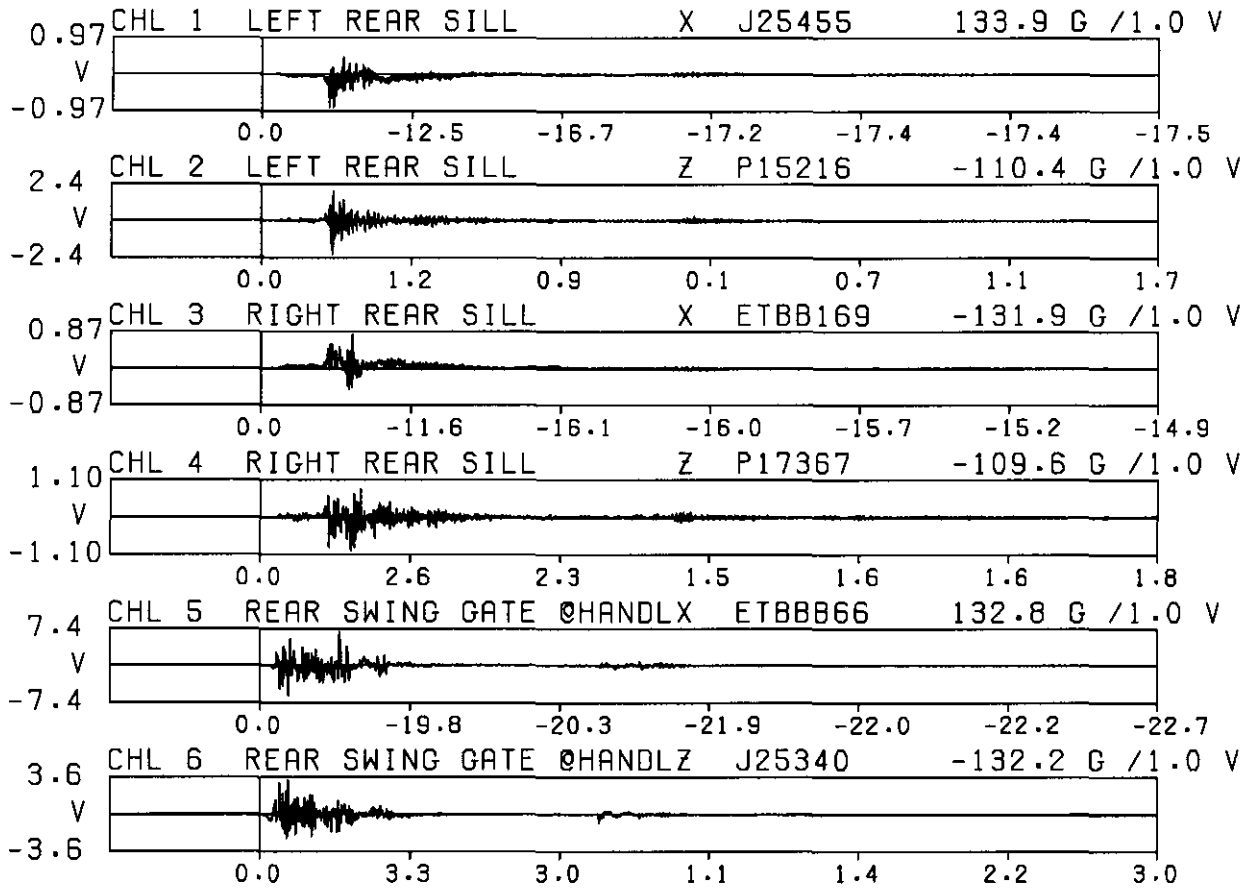
 ***** VC09089C *****
 TITLE: Moving barrier Channels Pages 018 - 021
 PAGE: 018 LT RAIL MBAR MID X Chl 33
 PAGE: 019 LT RAIL MBAR MID X , Chl 33, VD
 PAGE: 020 RT RAIL MBAR MID X Chl 34
 PAGE: 021 RT RAIL MBAR MID X , Chl 34, VD

TRANSDUCER SUMMARY REPORT

VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R
2002 MVSS 301 COMPLIANCE
IMPACT ANALYSIS DEPT. 5320
MAR 7, 2001

PAGE 001
OF 021
DATA SET 03/06/01BE
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

VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R

PAGE 002

2002 MVSS 301 COMPLIANCE

OF 021

IMPACT ANALYSIS DEPT. 5320

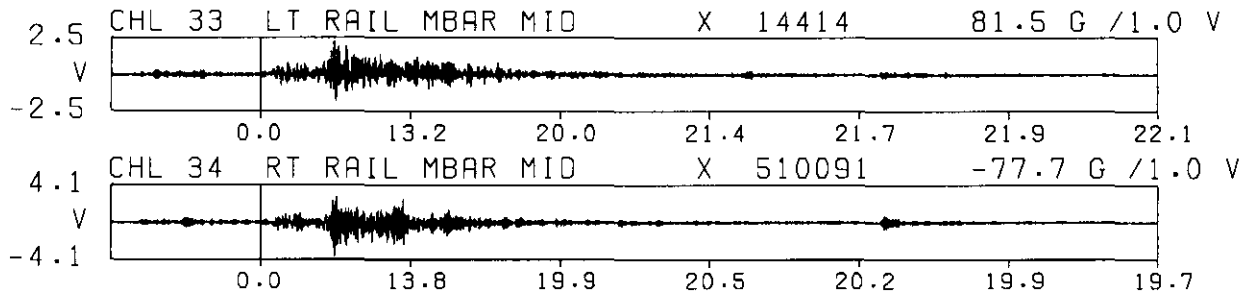
DATA SET 03/06/01BF

MAR 7,2001

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-.

AVERAGE OF

CHANNEL 001 LEFT REAR SILL X J25455
CHANNEL 003 RIGHT REAR SILL X ETBB169

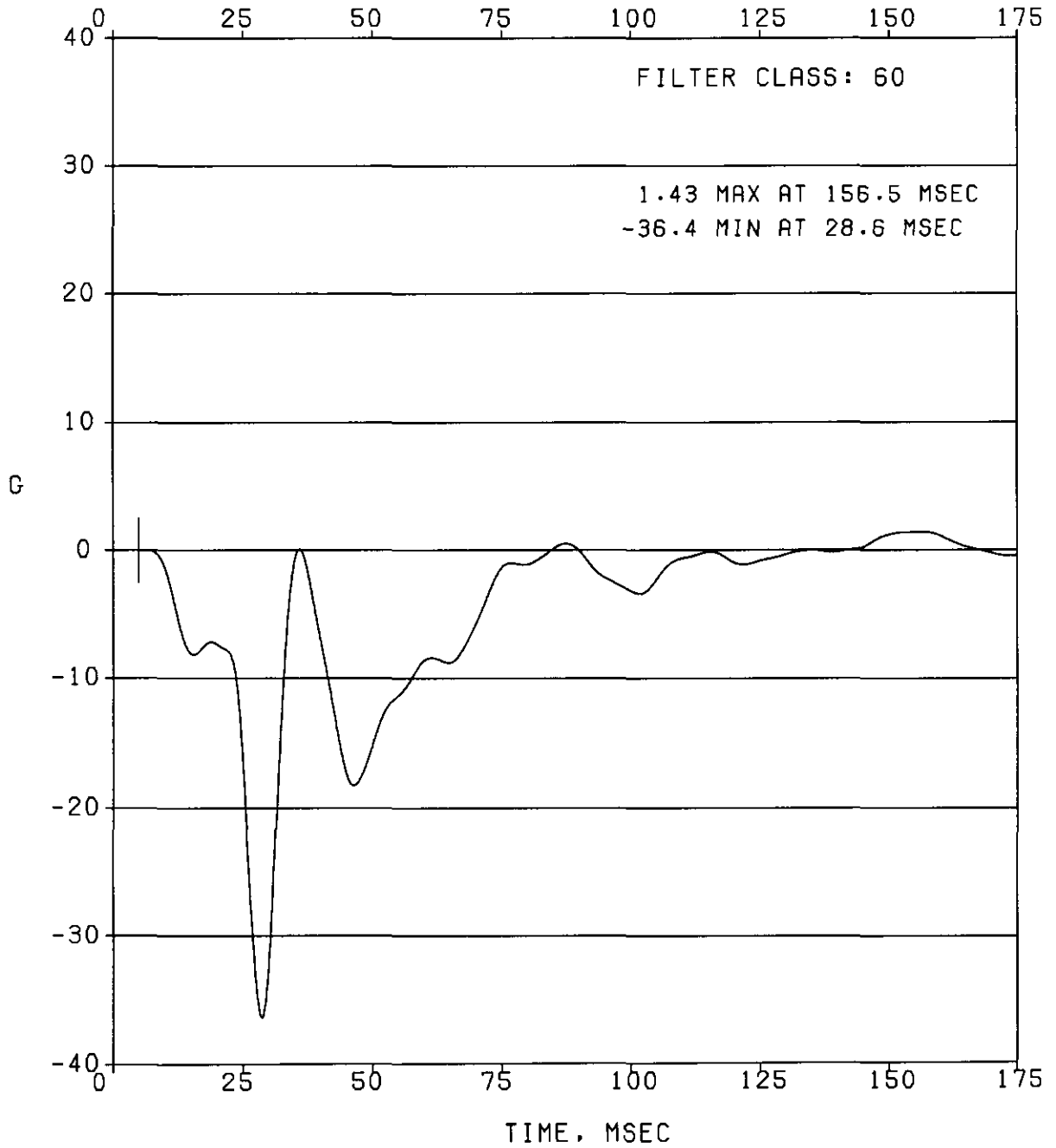
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IMPACT ANALYSIS DEPT. 5320

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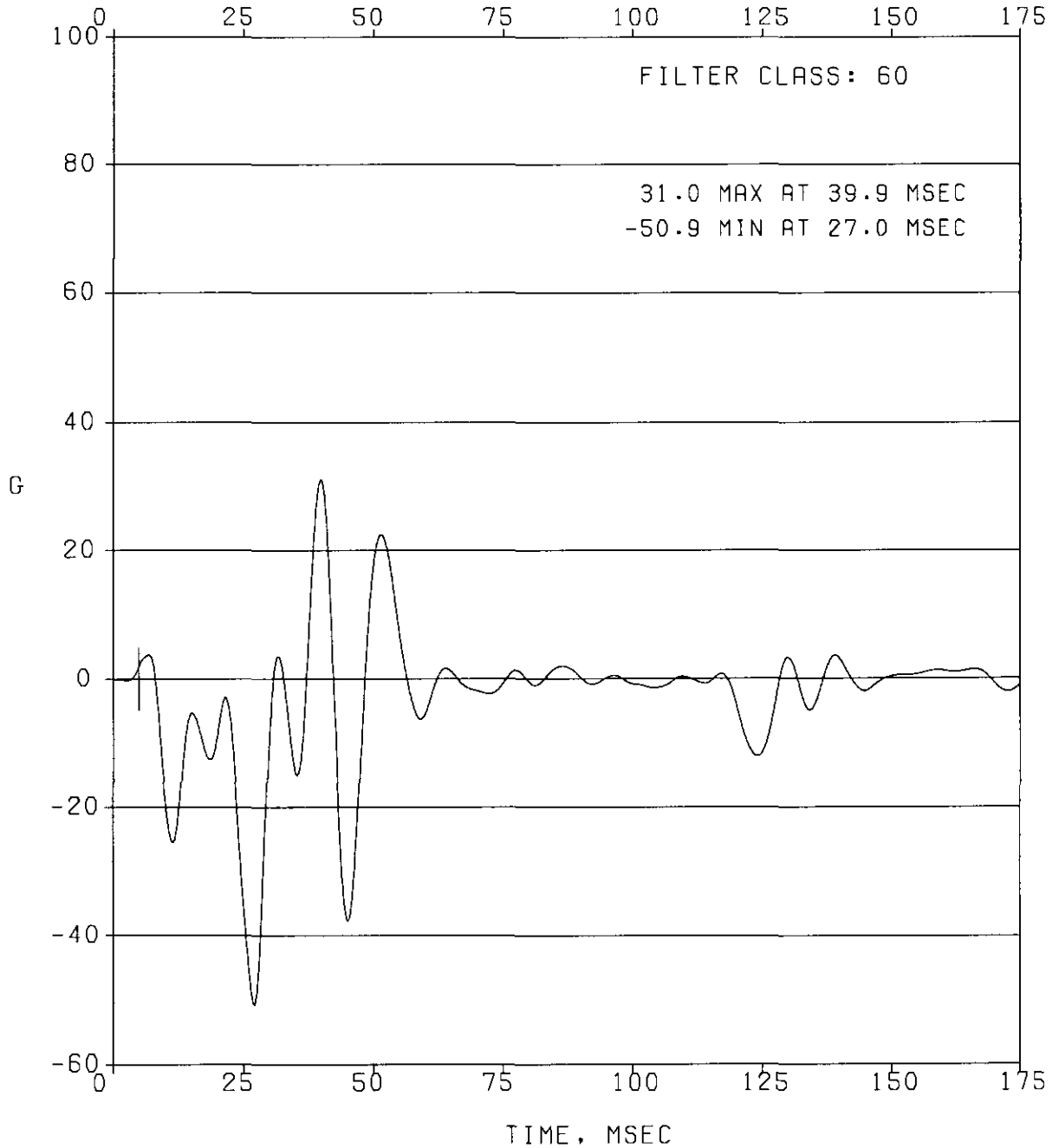
MAR 7, 2001

ERRATA 1



CHANNEL 005 REAR SWING GATE @HANDLX ETBBB66
CHANNEL 006 REAR SWING GATE @HANDLZ J25340

FILTER TYPE: SAE J2118/80 DC C60(TPF-R) EFF 3/24/86
IMPACT ANALYSIS DEPT. 5320 DATA SET 03/06/01BE
MAR 7, 2001 ERRATA 1



AVERAGE OF

CHANNEL 005 REAR SWING GATE @HANDLX ETBBB66
CHANNEL 006 REAR SWING GATE @HANDLZ J25340

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

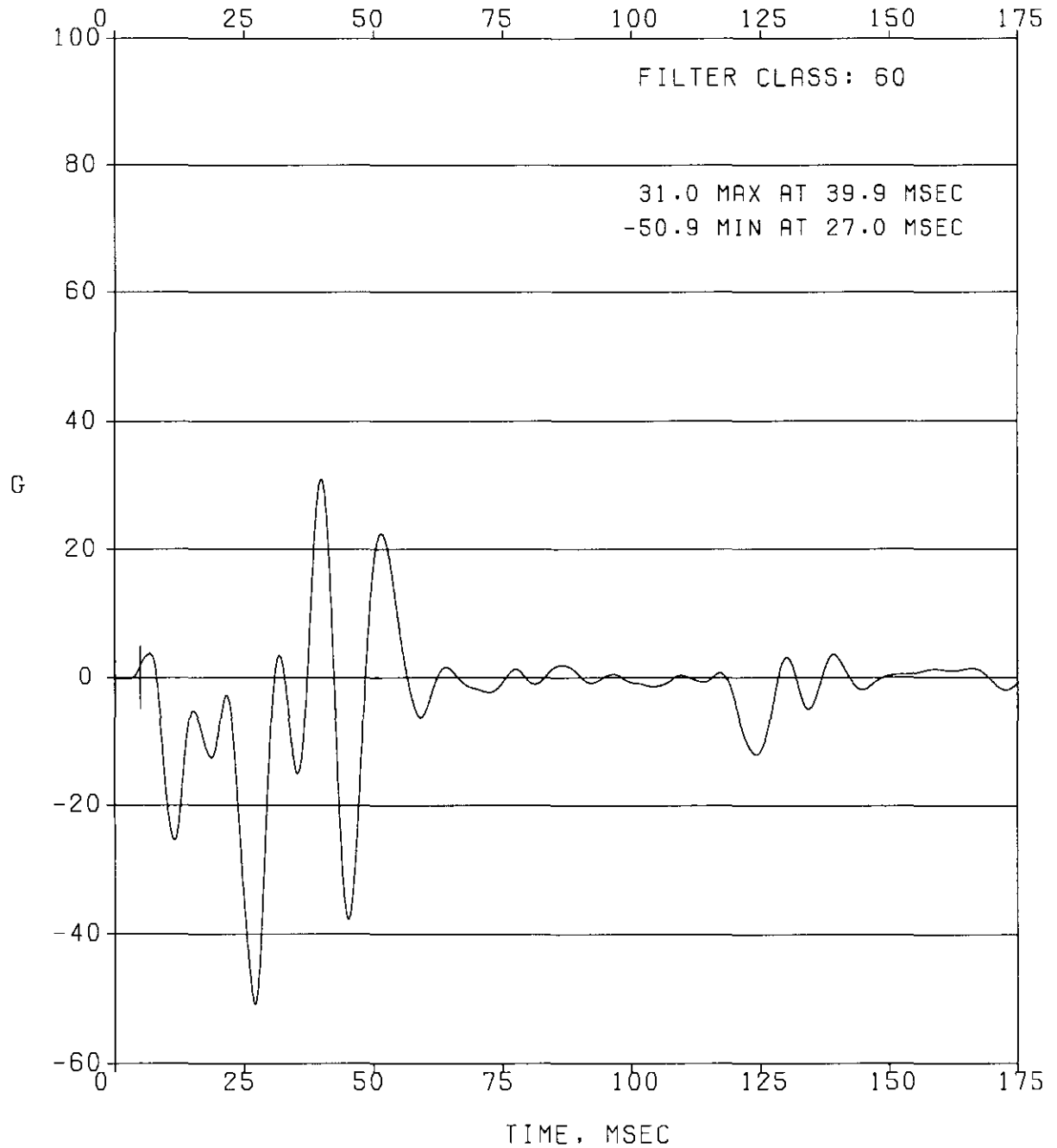
IMPACT ANALYSIS DEPT. 5320

DATA SET 03/06/01BE

MAR 7, 2001

ERRATA

1



AVERAGE OF

CHANNEL 005 REAR SWING GATE @HANDLX ETBBB66
CHANNEL 006 REAR SWING GATE @HANDLZ J25340

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

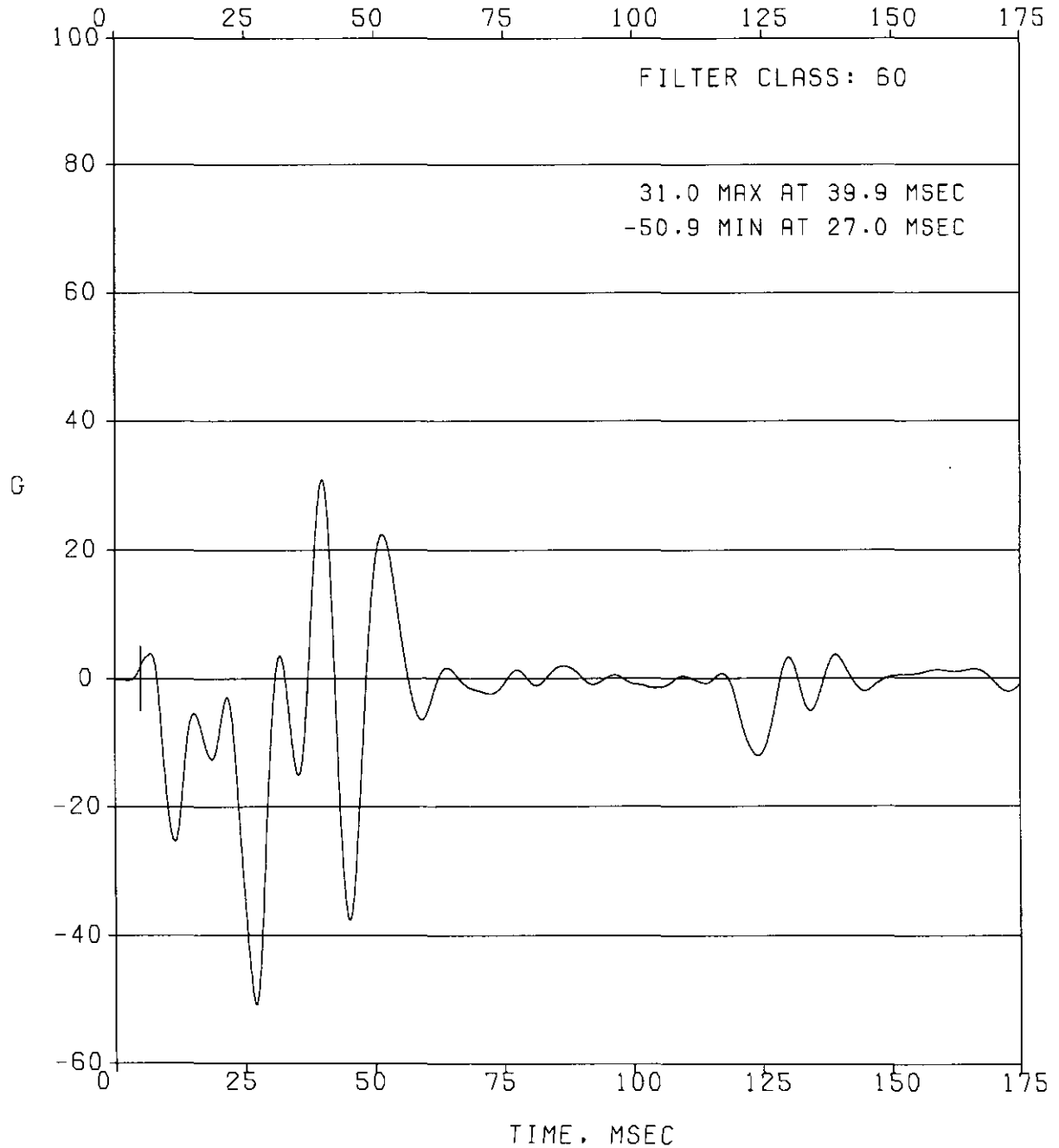
IMPACT ANALYSIS DEPT. 5320

DATA SET 03/06/01BE

MAR 7, 2001

ERRATA

1



AVERAGE OF

CHANNEL 005 REAR SWING GATE @HANDLX ET8BB66
CHANNEL 006 REAR SWING GATE @HANDLZ J25340

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

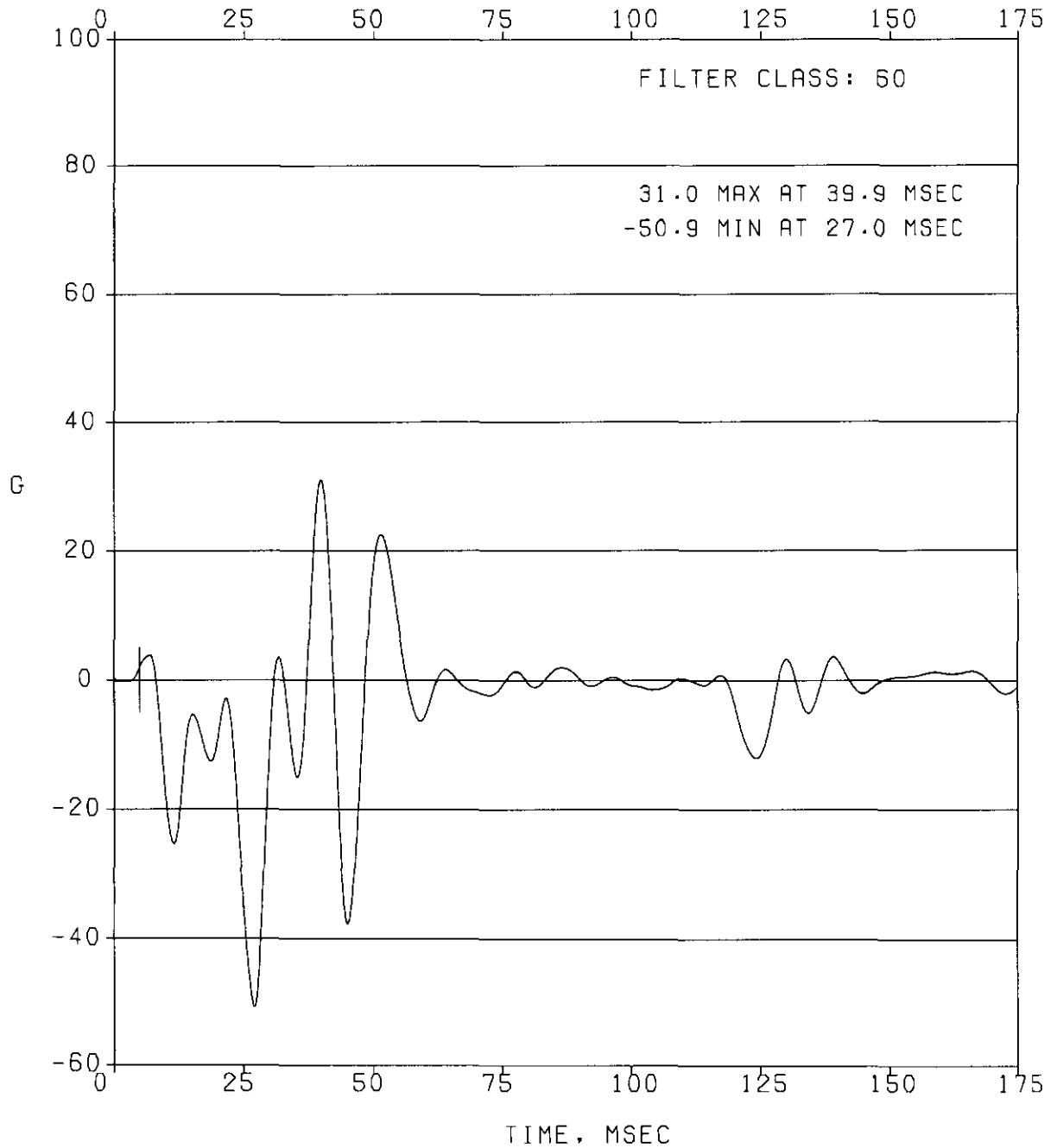
IMPACT ANALYSIS DEPT. 5320

DATA SET 03/06/01BE

MAR 7, 2001

ERRATA

1



AVERAGE OF

CHANNEL 005 REAR SWING GATE @HANDLX ETBBB66
CHANNEL 006 REAR SWING GATE @HANDLZ J25340

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

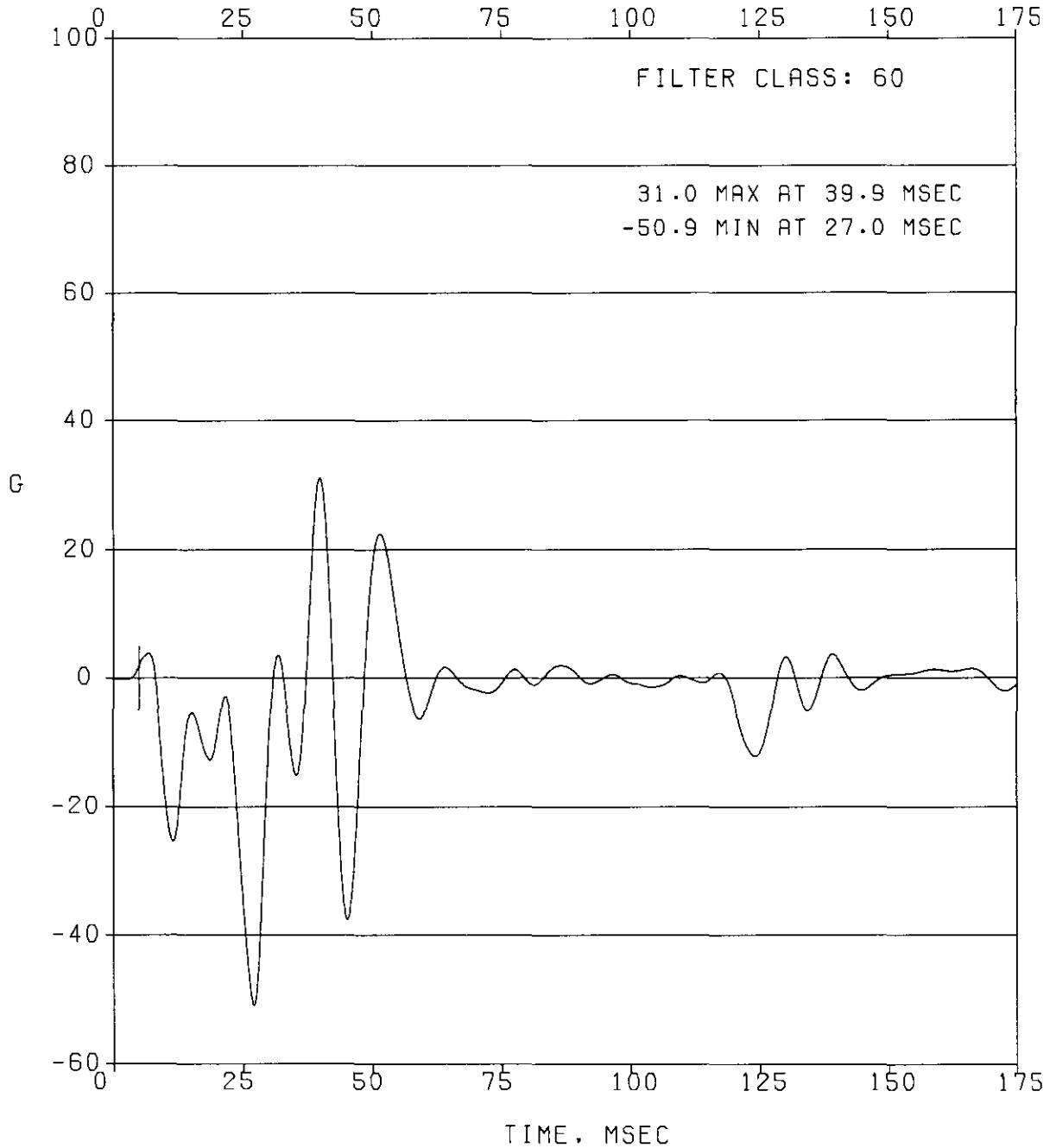
IMPACT ANALYSIS DEPT. 5320

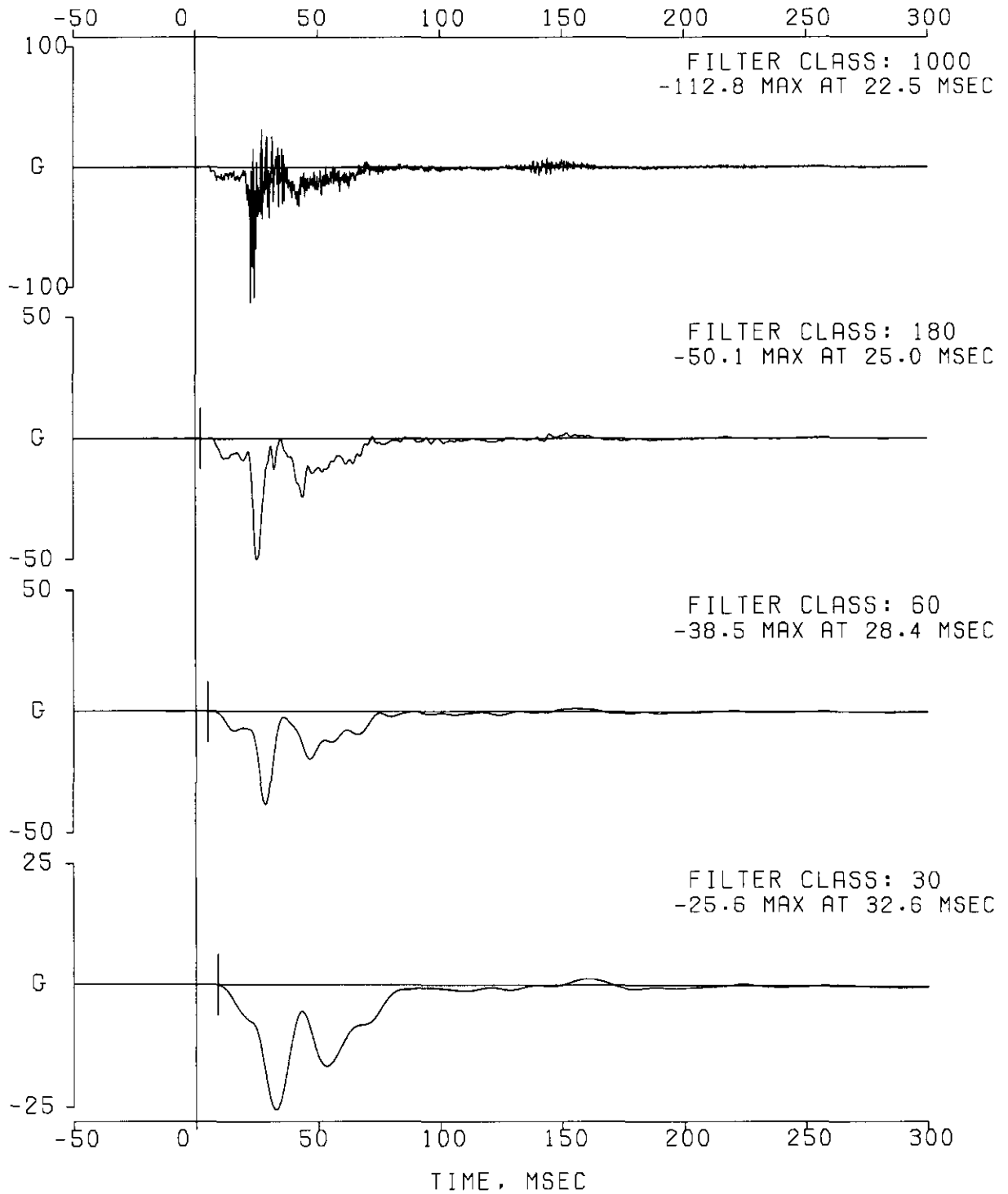
DATA SET 03/06/01BE

MAR 7, 2001

ERRATA

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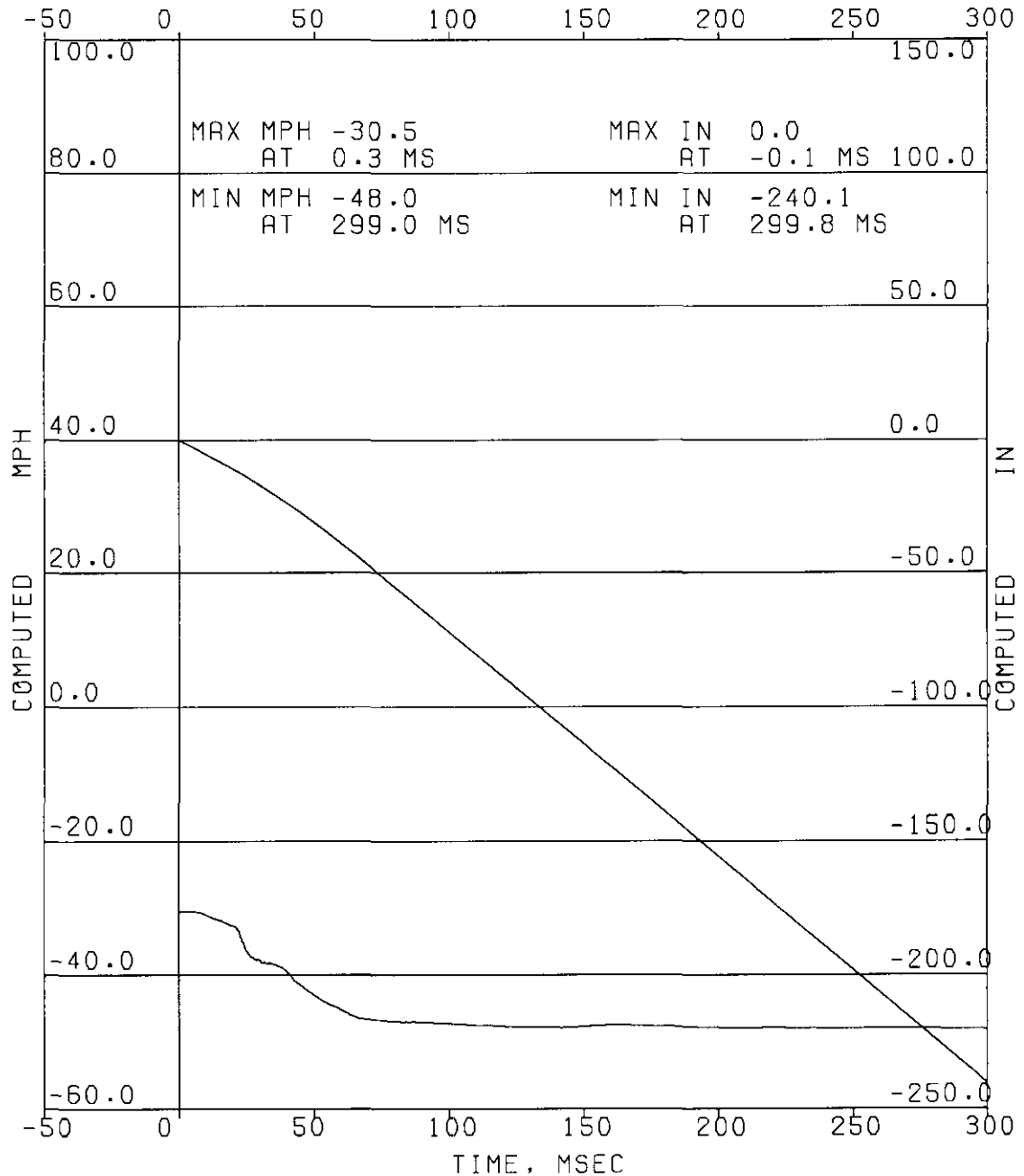




FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAR 7,2001

DATA SET 03/06/01BE
ERRATA 1

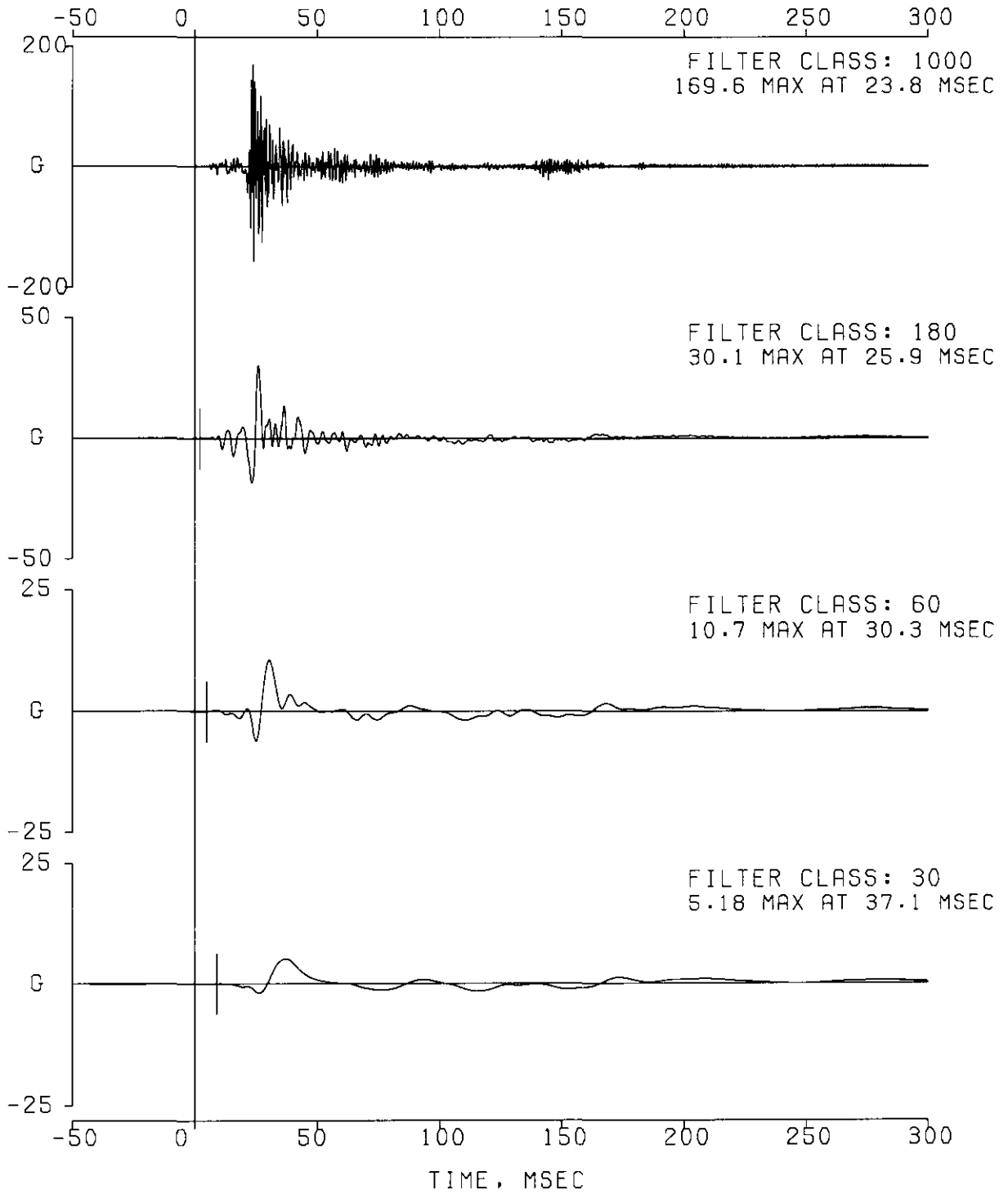


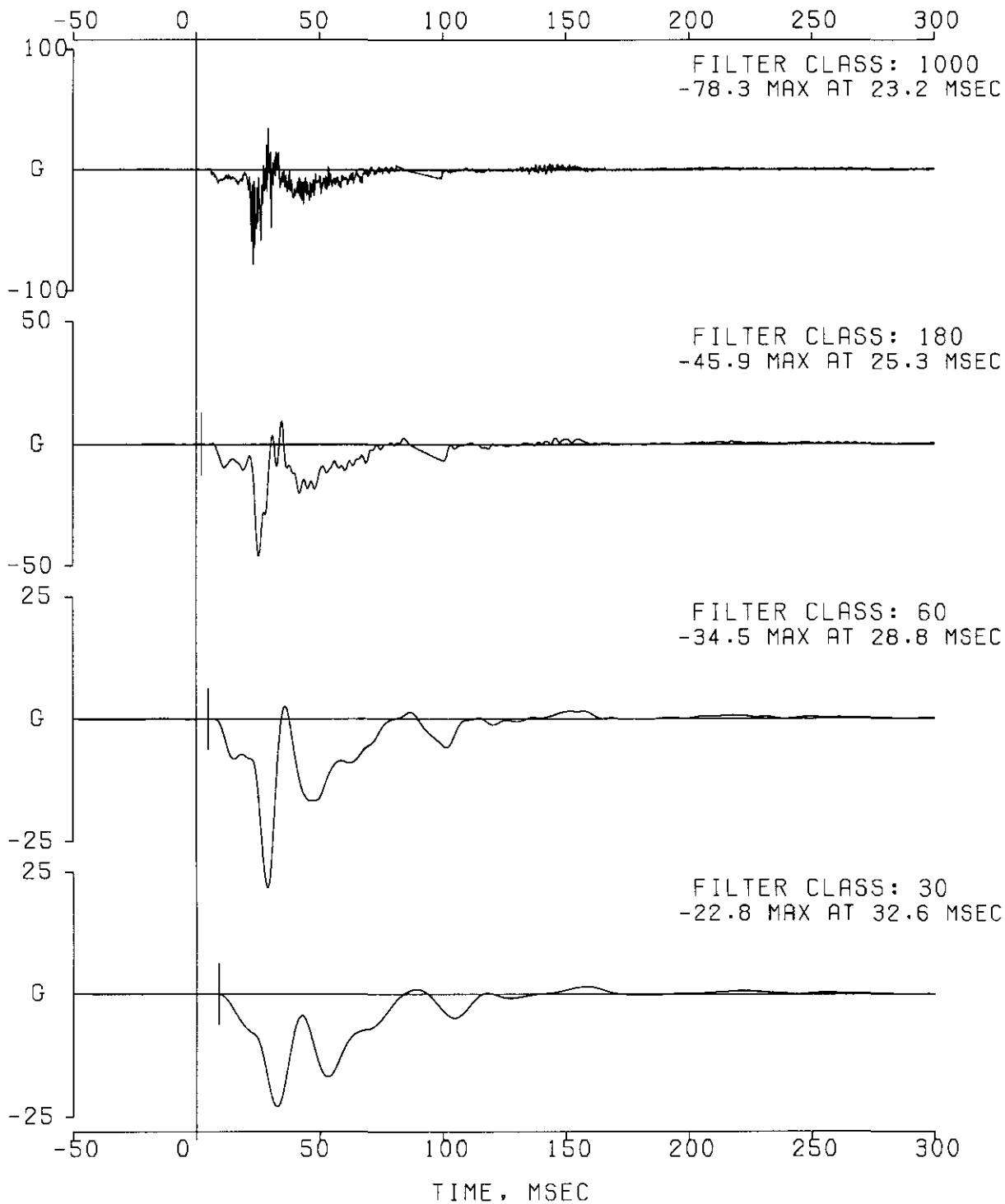
COMPUTED MPH
COMPUTED IN

VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R
2002 MVSS 301 COMPLIANCE
CHANNEL 002 LEFT REAR SILL Z P15216
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAR 7,2001

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DATA SET 03/06/018E
ERRATA 1

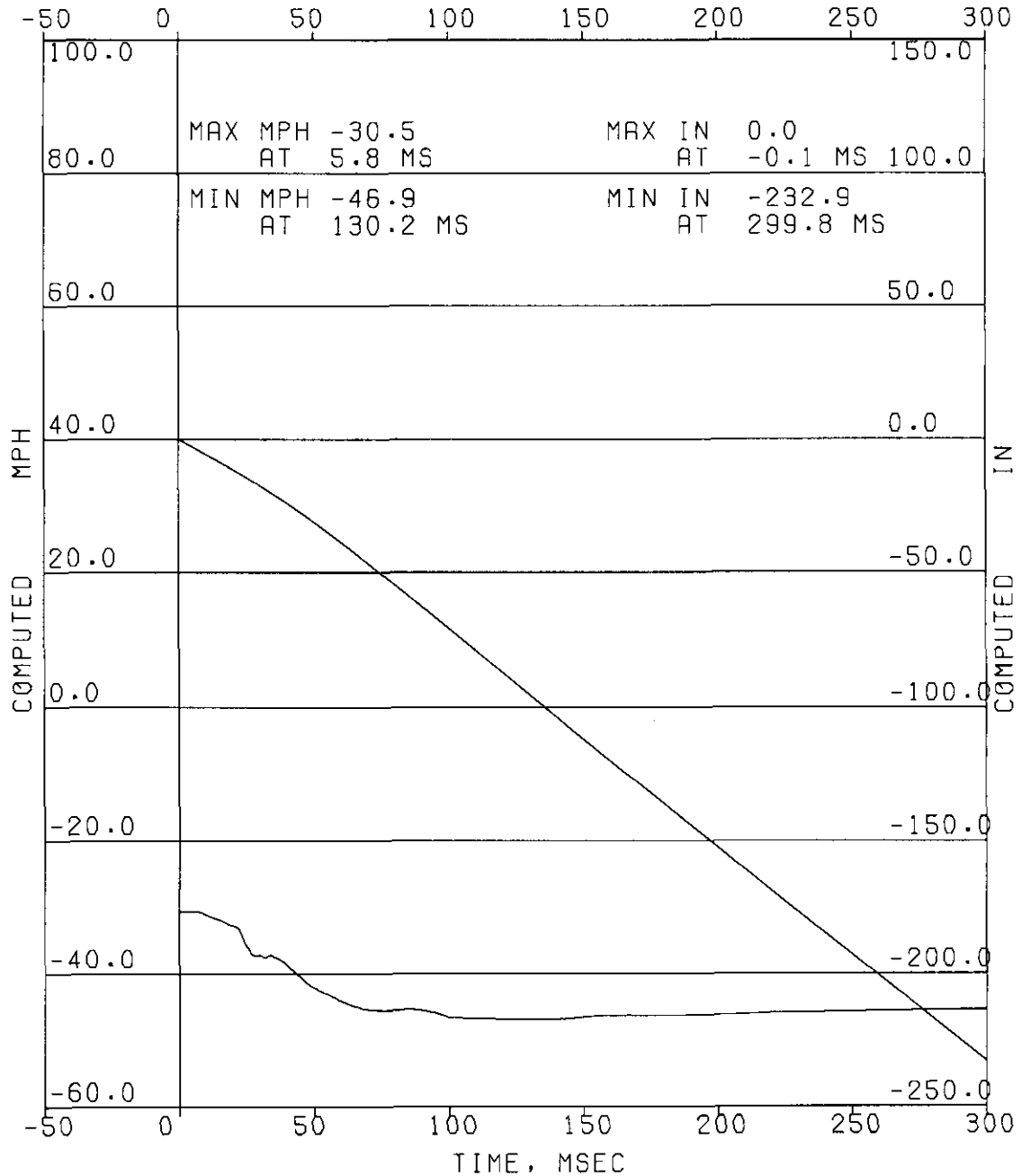




FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAR 7.2001

DATA SET 03/06/01BE
ERRATA 1

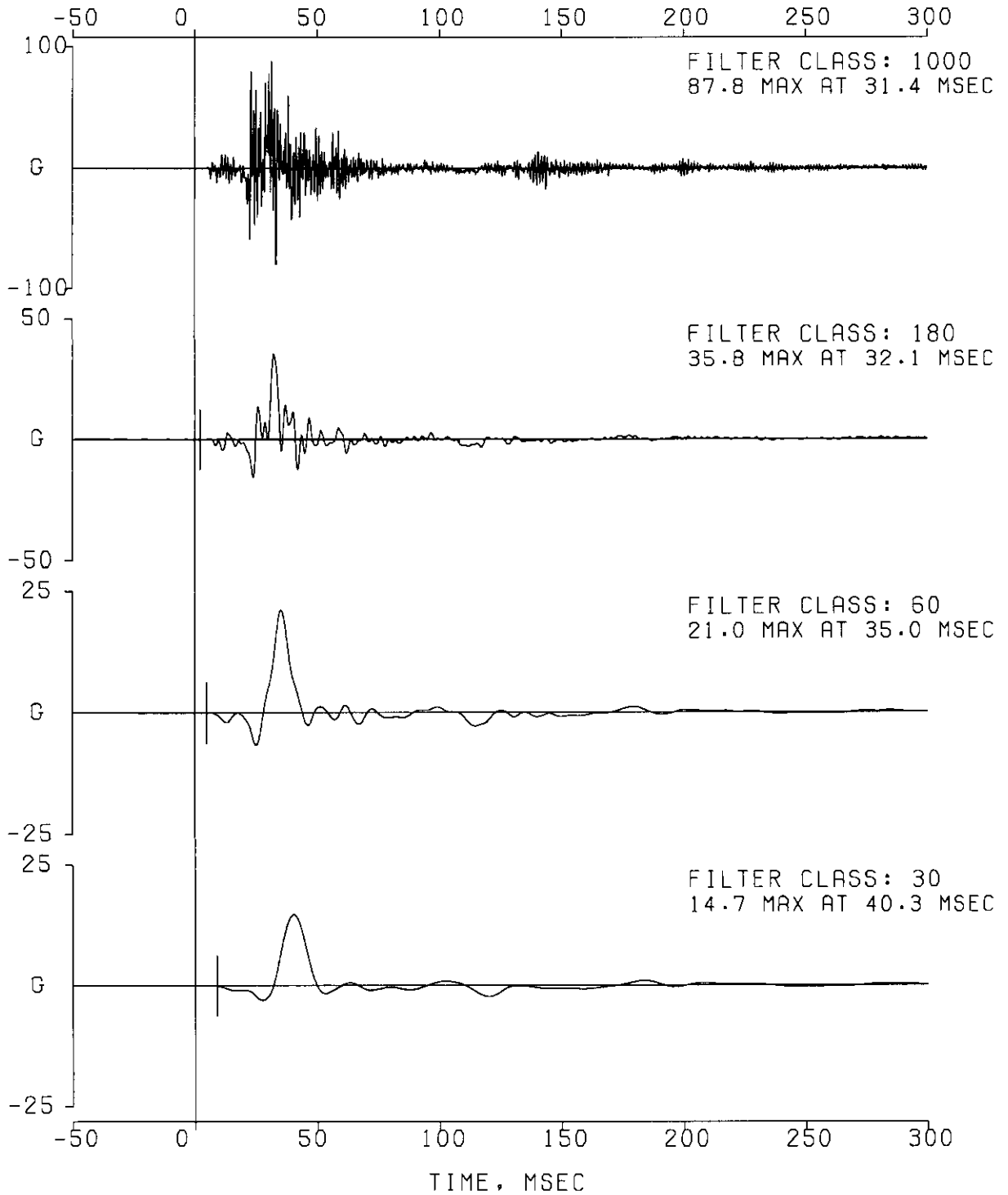


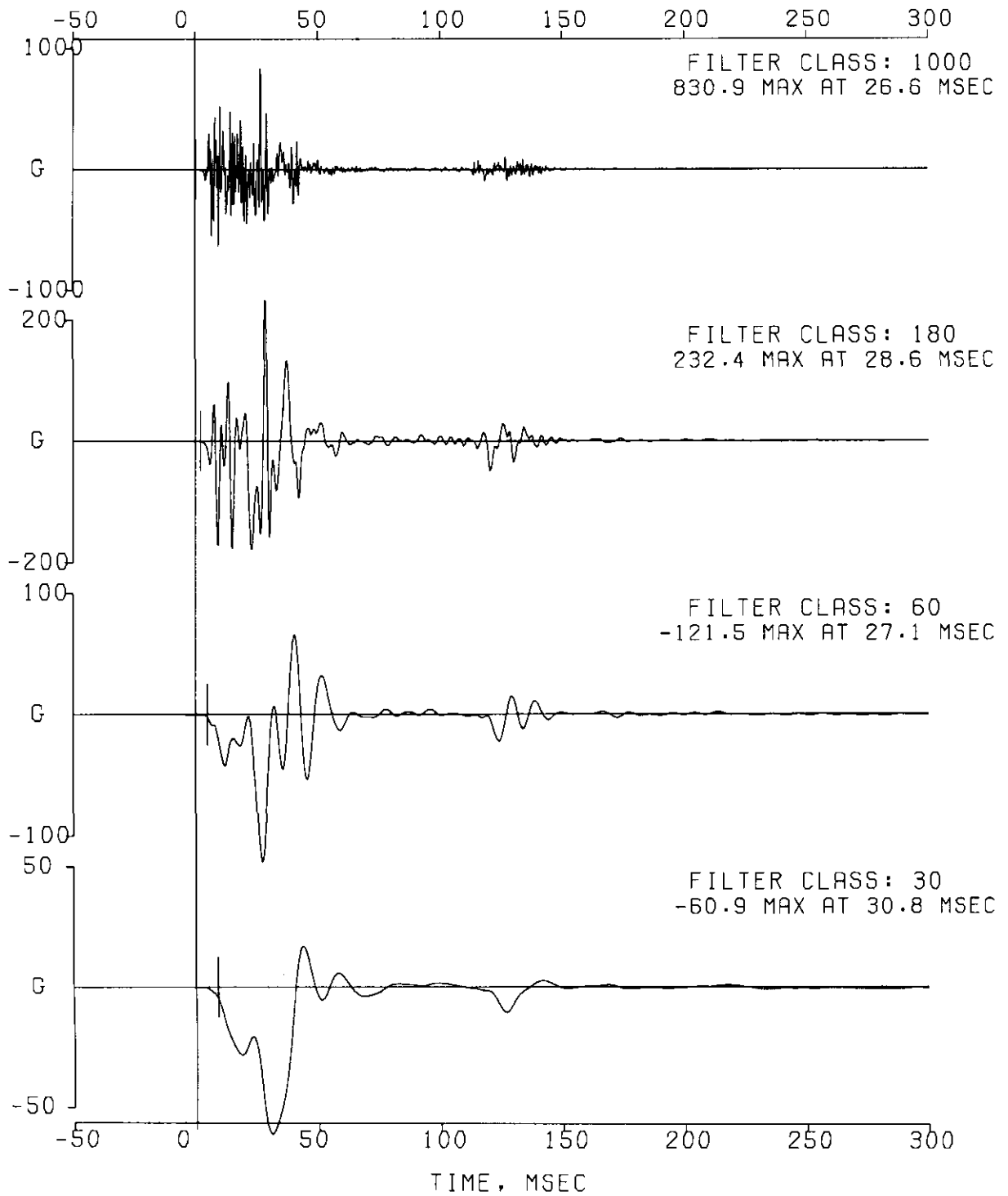
COMPUTED MPH
COMPUTED IN

VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R
2002 MVSS 301 COMPLIANCE
CHANNEL 004 RIGHT REAR SILL Z P17367
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAR 7,2001

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DATA SET 03/06/01BE
ERRATA 1

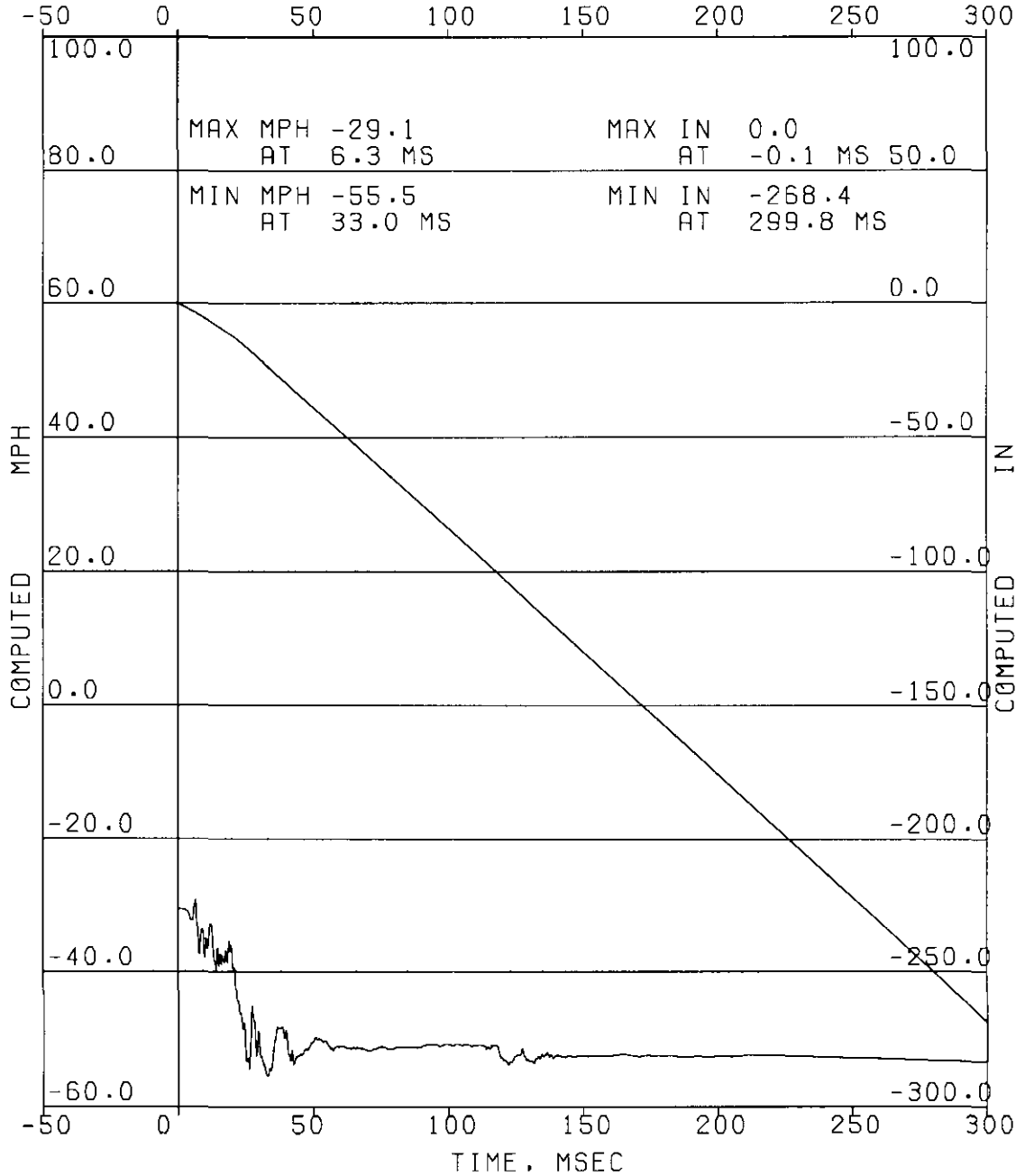




FILTER TYPE: 080AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAR 7,2001

DATA SET 03/06/01BE
ERRATA 1

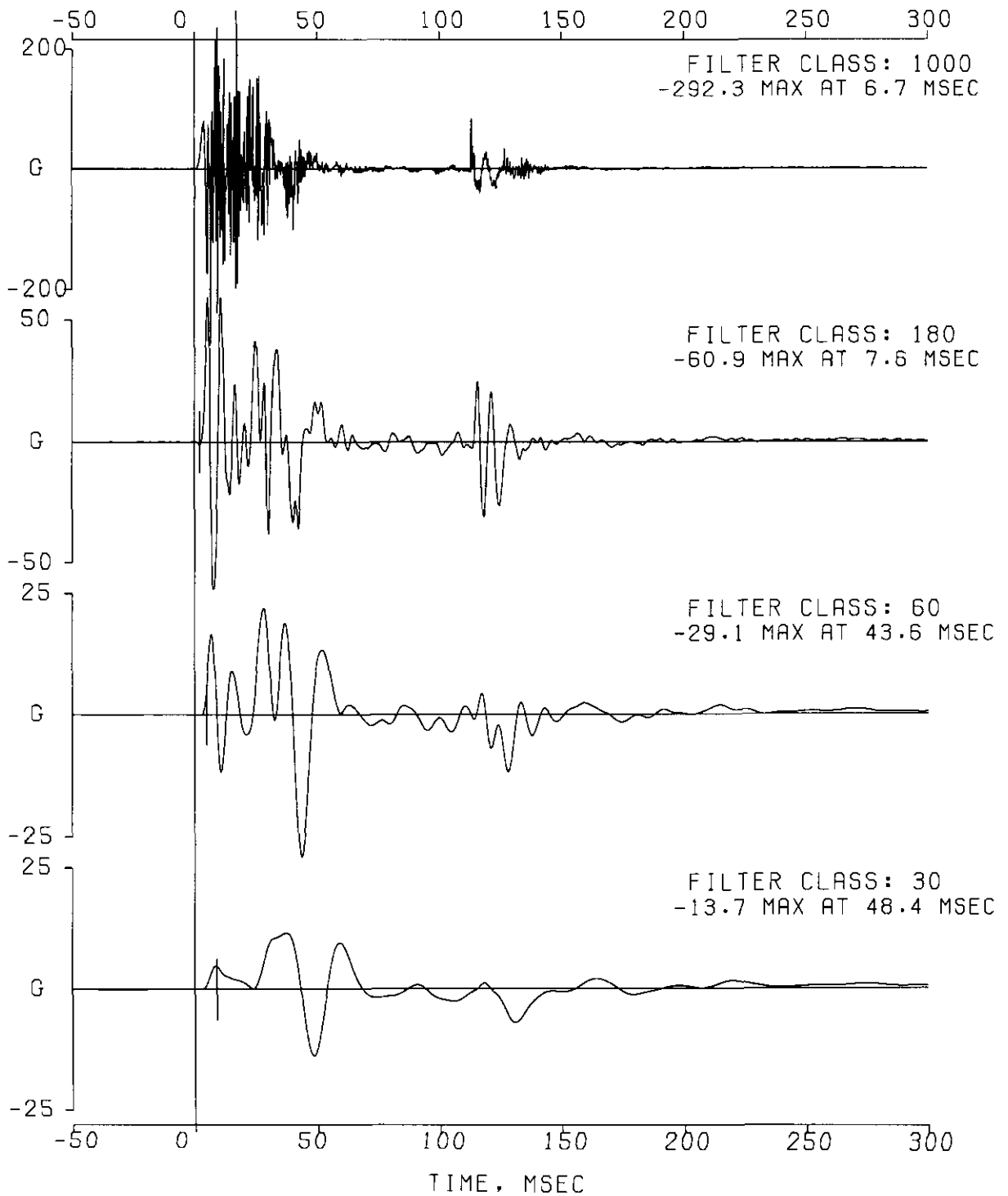


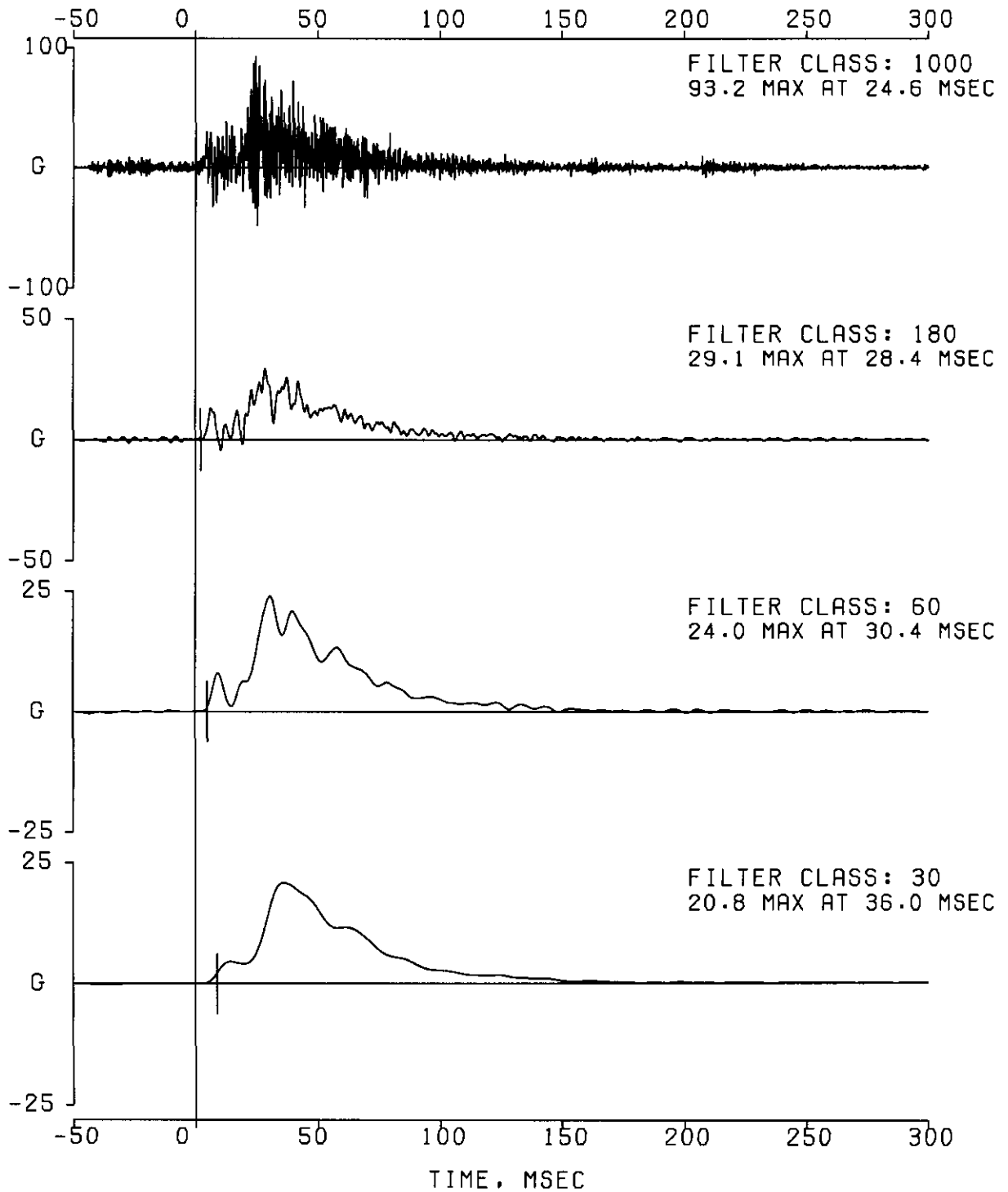
COMPUTED MPH
COMPUTED IN

VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R
2002 MVSS 301 COMPLIANCE
CHANNEL 006 REAR SWING GATE @HANDLZ J25340
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAR 7,2001

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DATA SET 03/06/01BE
ERRATA 1

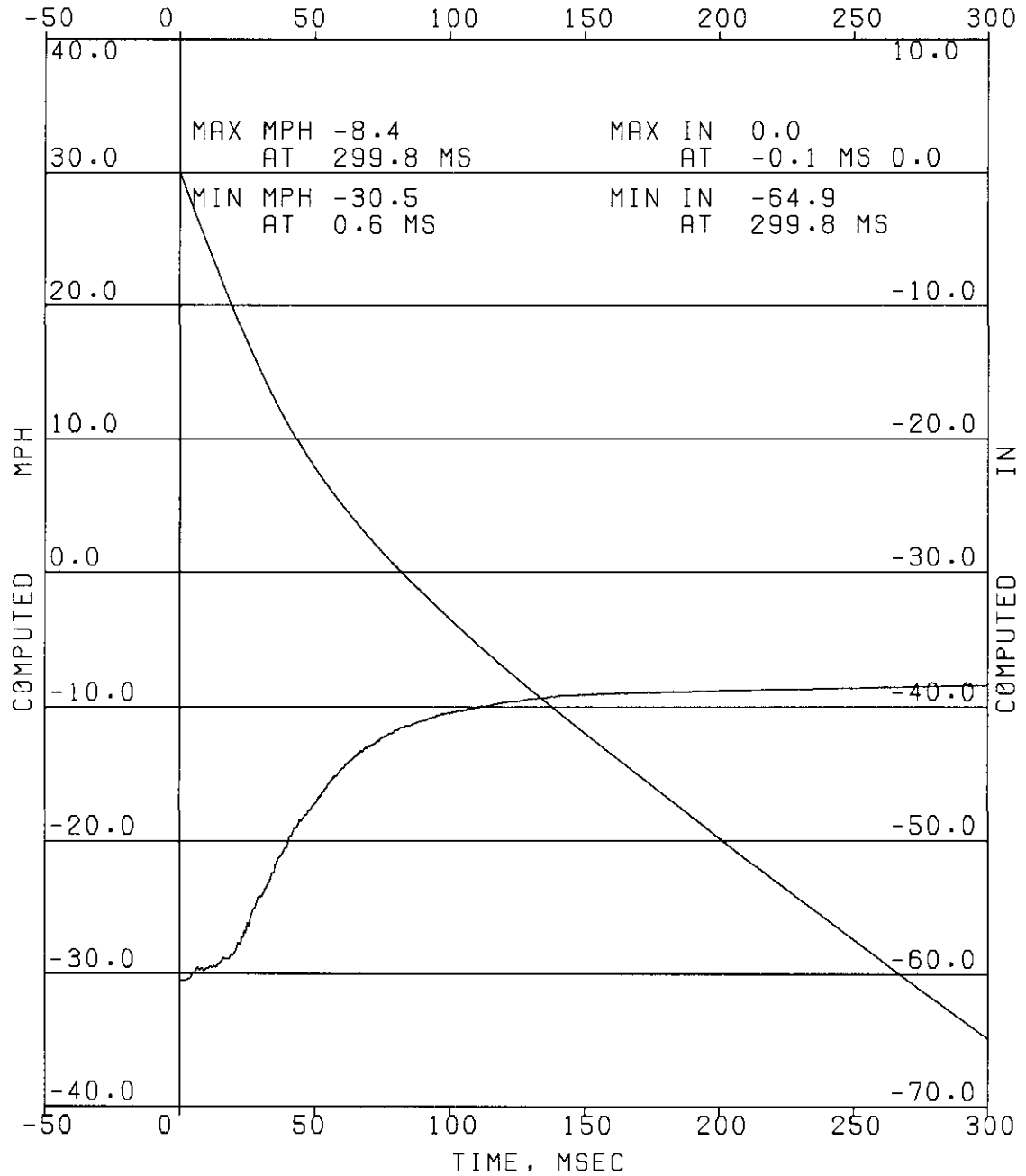




FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAR 7, 2001

DATA SET 03/06/01BF
ERRATA 1

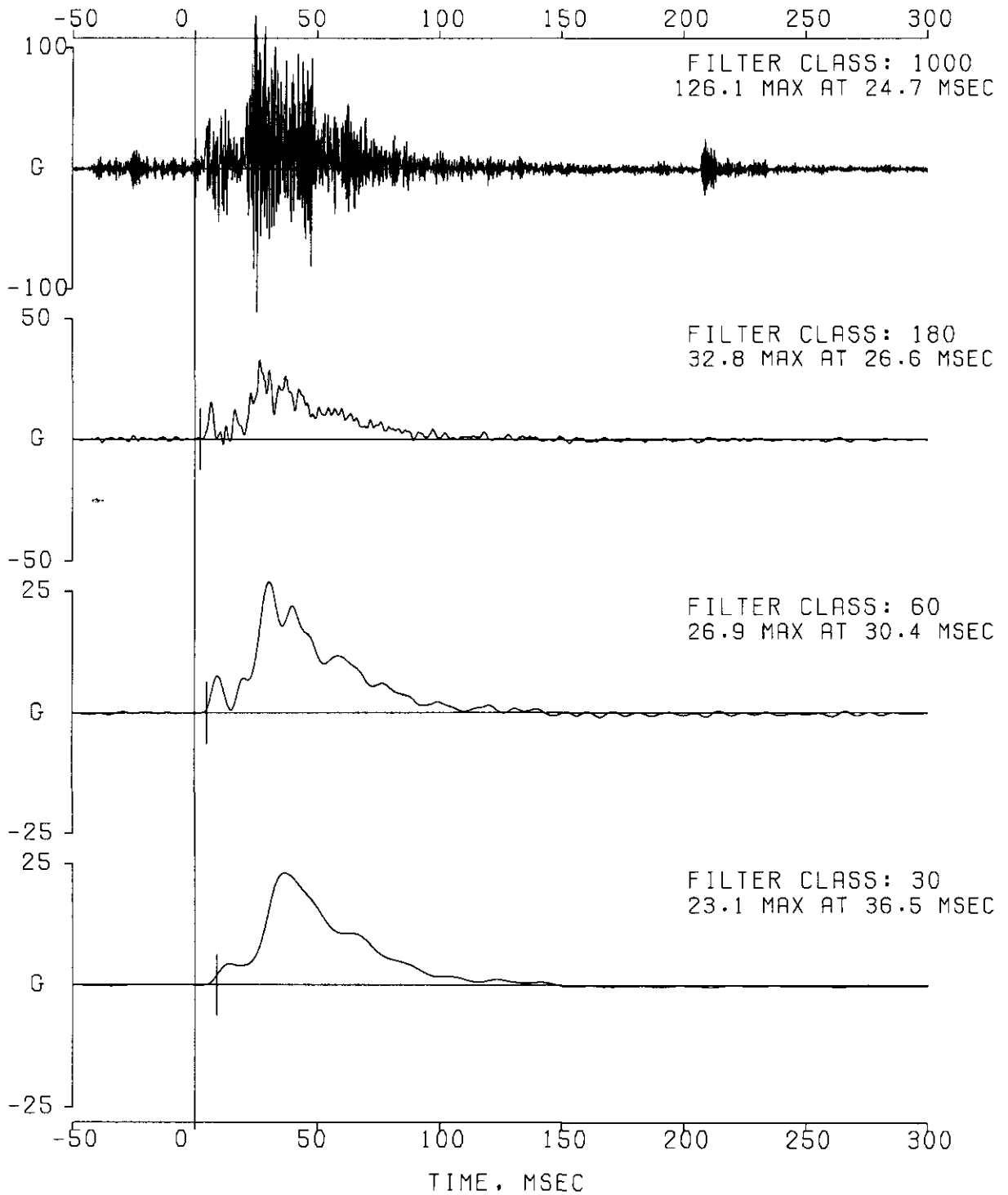


COMPUTED MPH
COMPUTED IN

VC09089 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ5713R
2002 MVSS 301 COMPLIANCE
CHANNEL 034 RT RAIL MBAR MID X 510091
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAR 7,2001

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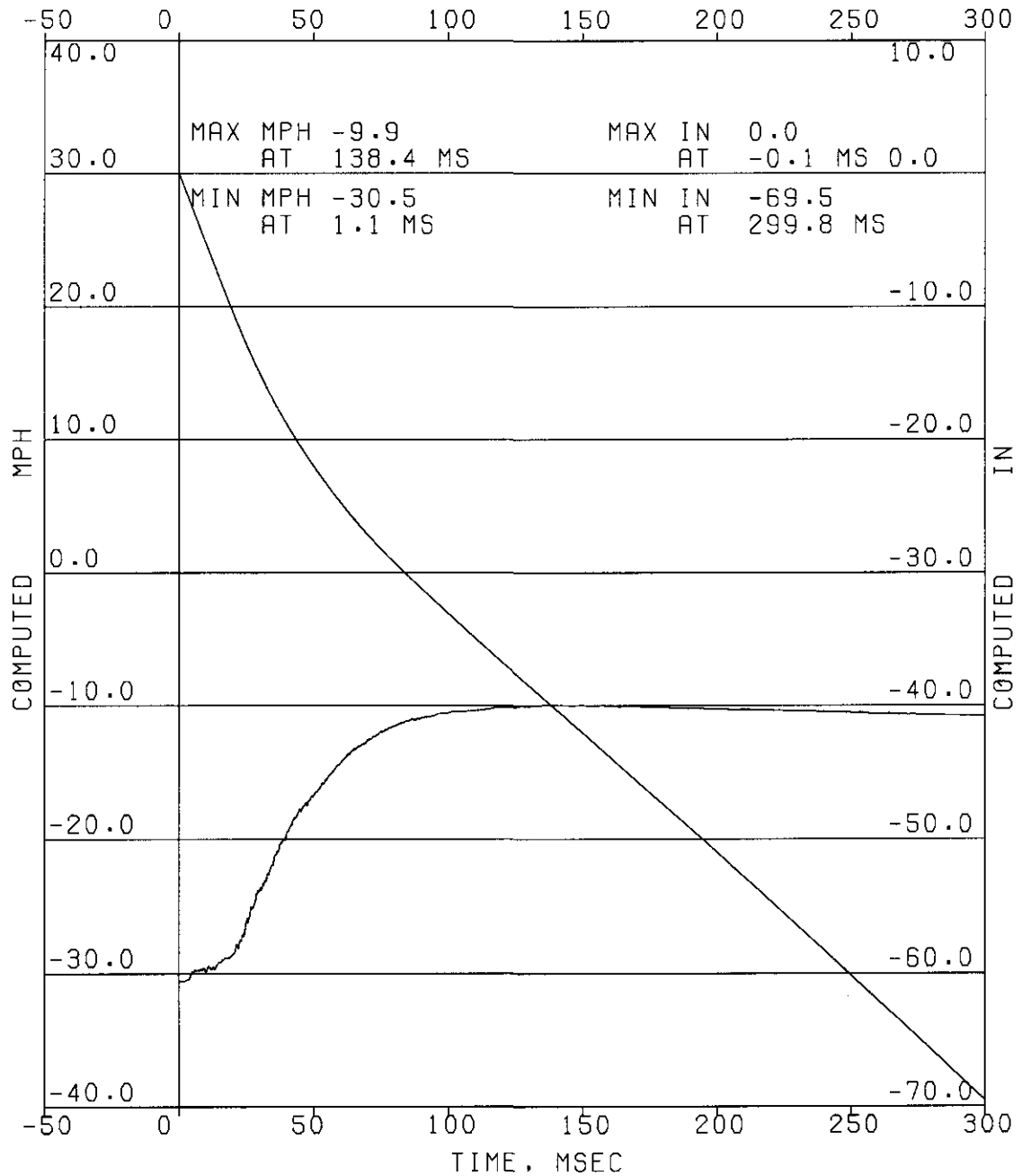
DATA SET 03/06/01BF
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
MAR 7,2001

DATA SET 03/06/01BF
ERRATA 1



COMPUTED MPH
COMPUTED IN