

EA12-005

CHRYSLER

12-13-2012

Enclosure 6B

301 Developmental Crash
Tests Public

KJ Development Crash Test
VC08459 Public

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
TEST DATE 05/17/00

TEST PURPOSE PRIMARY, 2001 USA 301 DEVELOPMENT.

IMPACT TYPE TARGET SPEED; 30.1 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; 4 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4FF58K22A [REDACTED] MOD.
VIN AS BUILT; 1J4FF58K22A [REDACTED] MOD.

TEST SPEED 30.3 MPH BY ELECTRONIC TEAP

TEST WEIGHT (LBS) 4895 TOTAL, 2237 FRONT, 2658 REAR

OCCUPANTS LEFT FRONT, HII BALLAST AD-47
RESTRAINT-BELTS ONLY
RIGHT FRONT, HII BALLAST AD-70
RESTRAINT-BELTS ONLY

BUILD CONDITION

TARGET WEIGHT (LBS) 4262 TOTAL, 2254 FRONT, 2008 REAR REP MAX OPT
WEIGHT FOR A 3.7L 4X4 VEHICLE W/OUT CARGO OR
OCCUPANTS.

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
TEST DATE 05/17/00

FUEL AND BALLAST 17.5 GALLONS OF STODDARD SOLVENT
 300 LBS
 150 LBS BEHIND PASSENGER SEAT
 100 LBS BEHIND DRIVER SEAT

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.P. LEVINE 514-17-41 (AB)
 M.A. GIELOW 481-02-13 (AB)
 M. STEBELTON 422-05-01 (AB)

DATE 05/17/00 TIME 22:12:43.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

ITEM KJ4677 CHARGE NO. BACK ISSUE DATE 04/25/00

VC 8459 30 MPH REAR MOVING BARRIER, KJJ-74
2002 MVSS 301 REAR IMPACT DEVELOPMENT.

TEST DATE 5/17/00 ENGINEER Colie
SPEED 30.3 MPH SOURCE TRAP

TEST PURPOSE PRIMARY, 2001 USA 301 DEVELOPMENT.

IMPACT TYPE TARGET SPEED; 30.1 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; 4 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4FF58K22A [REDACTED] MOD.
VIN AS BUILT; 1J4FF58K22A [REDACTED] MOD.

BUILD CONDITION

TARGET WEIGHT (LBS) 4262 TOTAL, 2254 FRONT, 2008 REAR REP MAX OPT
WEIGHT FOR A 3.7L 4X4 VEHICLE W/OUT CARGO OR
OCCUPANTS.

TEST WEIGHT (LBS) 4895 TOTAL, 2237 FRONT, 2658 REAR

FUEL BALLAST 17.5 GALLONS OF STODDARD SOLVENT

LUGGAGE BALLAST 300 LBS

POST TEST REMARKS

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

OTHER BALLAST

NONE

OCCUPANTS

LEFT FRONT, HII BALLAST
RESTRAINT-BELTS ONLY
RIGHT FRONT, HII BALLAST
RESTRAINT-BELTS ONLY

AD NO 47AD NO 70

MECHANICAL REQ

TARGET VEHICLE PER THRID SHEET FOR KJ VEHICLE
(SIMILARLY TO KJ4282R (VC8025))
PLACE TARGETS ON TOP, LEFT AND RIGHT SIDE OF SPARE
TIRE THAT WILL BE VISIBLE IN CAMERA VIEWS.
PAINT REAR GATE HANDLE TO ENSURE ANY MOVEMENT
VISIBLE IN FILMS & PAINT MARK AT POINT WHERE
GATE "OPENS" ON HANDLE VISIBLE IN FILMS.
POSITION DRIVER & PASS SEAT 12 MM BACK FROM
MID POSITION & FULL DOWN.
PAINT REAR SWING GATE HANDLE SO ANY MOTION CAN
BE OBSERVED.
ENSURE SPARE TIRE IS PROPERLY MOUNTED
ENSURE SWINGGATE IS PROPERLY LATCHED.
ENSURE DRIVER & PASS AIRBAGS, SIDE CURTAINS, IKB
AND PRETENSIONER DO NOT FIRE.
MEASURE VEHICLE ATTITUDE AS RECEIVED AND WHEN
TESTED.
PRESSURE TEST PRE TEST WITH PUMP RUNNING.
FUEL PUMP TO BE RUNNING DURING TEST.
STATIC ROLL VEHICLE POST TEST.
PAINT RAILS AND REAR YNDERBODY COMPONENTS
INCLUDING FUEL FILLER LINE, PASSTHRU HOLE IN RAIL
FUEL TANK CANISTER, REAR SUSENSION, REAR BUMPER,
ORVR CANISTER, LINES AND EQUIPMENT, ETC. IN
CONTRACTING COLORS FOR UNDERBODY VIEW.
REMOVE FUEL ACCESS HATCH IN CARGO AREA AND PAINT
FUELTANK "HEAD" COVER FOR VIEWING BY ONBOARD
CAMERA.

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

INSTRUMENTATION REQ SEE THIRD SHEET FOR KJ REAR IMPACT TESTING FOR
ACCEL. LOCATIONS (AS WAS DONE FOR KJ4282R
(VC8025))
ENSURE DRIVER & PASS AIRBAGS, IKB, SIDE CURTAINS,
AND PRETENSIONER DO NOT DEPLOY.
TRIAxIAL ACCEL ON RAIL NEAR FUEL PASSTHRU
TRIAxIAL ACCEL ATTACHED TO ORC FT LT.
TRIAxIAL ACCEL ON SWINGGATE INSIDE SURFACE NEAR
GATE LATCH.
MONITOR AECM INTERNAL ACCEL AND SAFING SENSOR.
X-AXIS ACCEL. ON REAR SURFACE OF RADIATOR SPT.
(HALF WAY UP THE VERTICAL PART OF THE RAD. SPT)
LEFT & RIGHT SIDES.
TRIAxIAL ON CENTER BOTTOM OF FUEL TANK (ADHESED
TO TANK-NOT MECHANICALLY FASTENED)
MONITOR SAICM INTERNAL ACCEL. (2L & 2R)

PHOTOGRAPHIC REQ 1-ONBOARD CAMERA TO VIEW THE FUEL TANK "HEAD"
THROUGH THE REMOVED ACCESS HATCH IN THE CARGO
AREA.
8-12-1-VELOCITY CAMERA
11-1-1-PIT CAMERA TO VIEW ORVR EQUIPMENT
1-1-LEFT OVERALL
4-1-RIGHT OVERALL
7-6-1-HIGH SPEED TO VIEW SWING GATE HANDLE FROM ABOVE
1-HIGH SPEED FROM RIGHT REAR CORNER TO VIEW SWING
GATE.
9,10-2-PIT CAMERAS FOR REAR UNDERBODY ANALYSIS.
2,5-3-1-L SIDE CLOSE UP OF FUEL FILLER AREA FROM PIT
1-L&R CLOSE UP OF REAR QUARTER OF VEHICLE.
PRE & POST TEST PHOTOS OF OVERALL & UNDERBODY
(REAR), FRAME RAILS, FUEL TANK/REAR AXLE AREA,
ETC.
30-1-HIGH SPEED VIDEO OF PASS SIDE REAR QUARTER VIEW
TO VIEW SWING GATE & HANDLE.
ALL CAMERAS TO HAVE DIGITAL TIMING IF POSSIBLE

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

REMARKS TEST REQUESTOR: M.P. LEVINE (X35368)
MAKE 2 COPIES OF FILM & 1 VIDEO, SEND TO:
M.P. LEVINE 514-17-41 1 FILM & 1 VIDEO
M. GIELOW 481-02-13 1 FILM
PLEASE RETURN VEHICLE TO JTE ATTN. PAM MORTON

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

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

M.P. LEVINE	514-17-41	(AB)
M.A. GIELOW	481-02-13	(AB)
M. STEBELTON	422-05-01	(AB)

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 02

*****CHANGED 04/27/00 06:55 LEVINE SUPPLEMENT 01

MECHANICAL REQ

ADD PLACE TARGETS ON TOP, LEFT AND RIGHT SIDE OF SPARE
ADD TIRE THAT WILL BE VISIBLE IN CAMERA VIEWS.

INSTRUMENTATION REQ

ADD TRIAXIAL ACCEL ON SWINGGATE INSIDE SURFACE NEAR
ADD GATE LATCH.

*****CHANGED 05/04/00 10:53 LEVINE SUPPLEMENT 02

MECHANICAL REQ

ADD PAINT REAR GATE HANDLE TO ENSURE ANY MOVEMENT
ADD VISIBLE IN FILMS & PAINT MARK AT POINT WHERE
ADD GATE "OPENS" ON HANDLE VISIBLE IN FILMS.

CHRYSLER PG
3700 SOUTH M52
CHELSEA MI 48118

15:45:32 01/03/86

ID VC 8459 TEST WTR

LEFT FRONT:	1111 1b	RIGHT FRONT:	1126 1b
LEFT REAR:	1345 1b	RIGHT REAR:	1313 1b
FRONT AXLE:	2237 1b		
BACK AXLE:	2658 1b		
TOTAL:	4895 1b		

X, Y, Z DIMENSIONS

TEST NUMBER VC8459, TEST ENGINEER COLIE

TEST TYPE: 30 MPH REAR WITH

V.I.N. 1J4FF58K22A

TYPE 4 MOV. BARR.

LOCATION	X	Y	Z	LOCATION	X	Y	Z
BC1	XXXX	0.0	XXXX	BC2		0.0	XXXX
B1	0.5	18.2	XXXX	B2	0.5	18.3	XXXX
U1	102.5	18.1	11.6	U2	103.2	18.2	11.3
U3	123.1	8.1	18.8	U4	143.4	8.7	19.1
U5	136.1	+0.9	9.2	U6	144.4	20.8	22.9
U7	138.5	19.0	23.5	U8	144.4	12.4	12.7
U9	143.0	11.6	12.8	U10	151.1	12.7	13.0
U11	150.7	11.6	13.2	U12	151.7	20.5	22.2
U13	150.5	19.5	23.6				
				UC1	1688		14.8
UC1			14.8				
LFS	69.4	33.2	11.9				
LMS	93.9	33.8	12.2				
LRA 4" TARGET W/O BLACK RING	132.4	34.0	13.9				
		44- -				44- -	

TRAMMEL DIMENSIONS;

LFS-LMS PRE 23.90
 POST 23.87

U1-U2 31.97

LF 31.2
 LR 32.8
 RF 31.1
 RR 32.2
 } TESTED

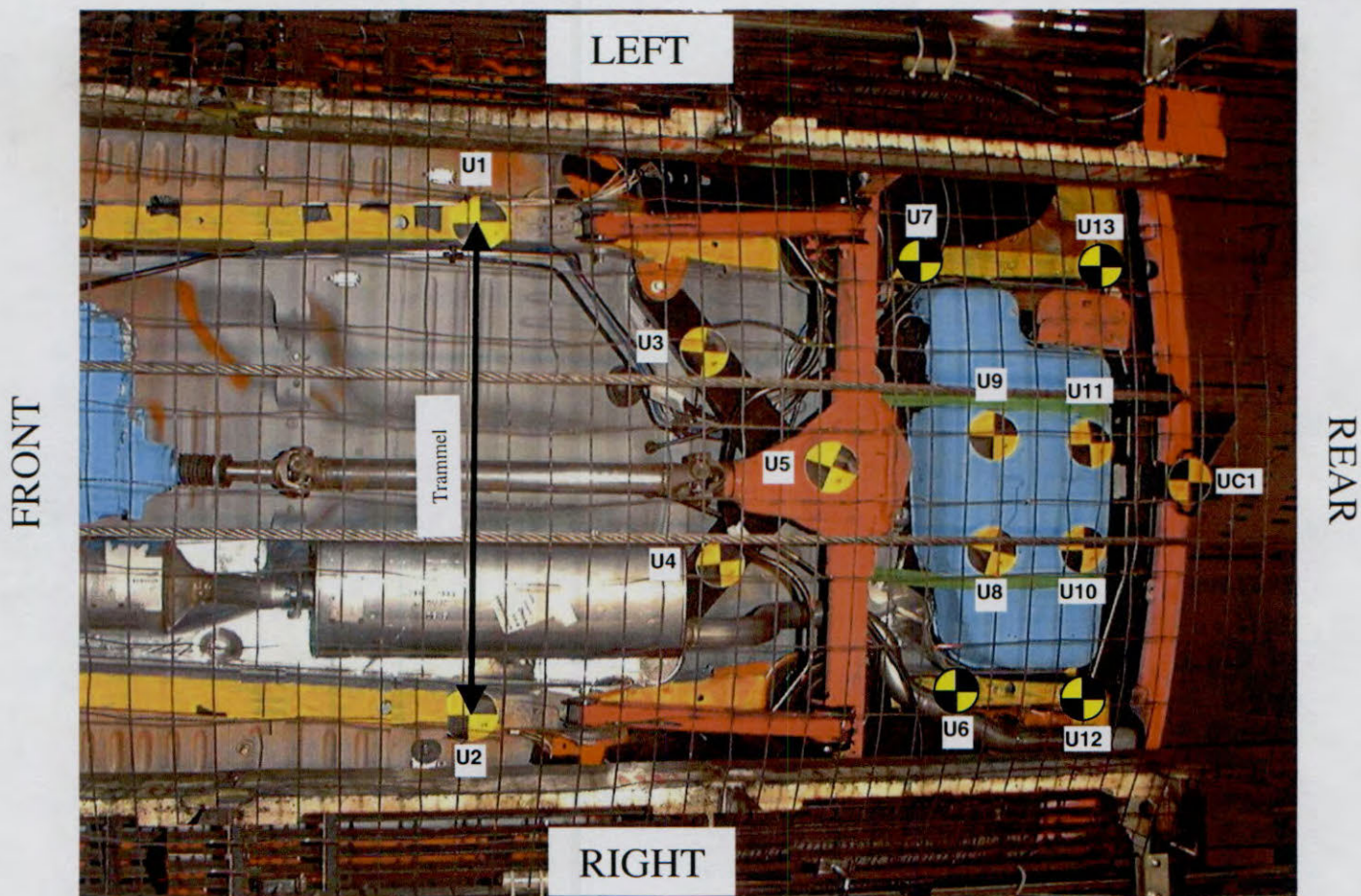
Program: 02KJ

VC ; Item No.

REAR UNDERBODY FOR ALL REAR IMPACTS

Impact Analysis Engineer: DCC / 01/21/2000
 Visibility Approved: DGL / 05/03/1999
 Approved for CPG Use: GAB / 05/03/1999

CONFIDENTIAL



Guidelines to Placement of Critical Targets:

ITEM	COMMENTS
U1 & U2	5.5" IN FRONT OF FORWARD EDGE OF CONTROL ARM MOUNTING BRACKET.
U3 & U4	CENTER OF UPPER SWING ARMS.
U5	ON CENTER OF REAR DIFFERENTIAL
U12 & U13	CROSSMEMBER
U6	ON RIGHT RAIL AFT OF REAR AXLE, AS FAR FORWARD AS POSSIBLE WITHOUT BEING UNDERNEATH TAILPIPE.
U7	ON LEFT RAIL 16" FORWARD OF U13
U8,U9,U10 ,U11	ON FUEL TANK AS SHOWN

CONFIDENTIAL

EA12-005- Chrysler -002714

Version: 03

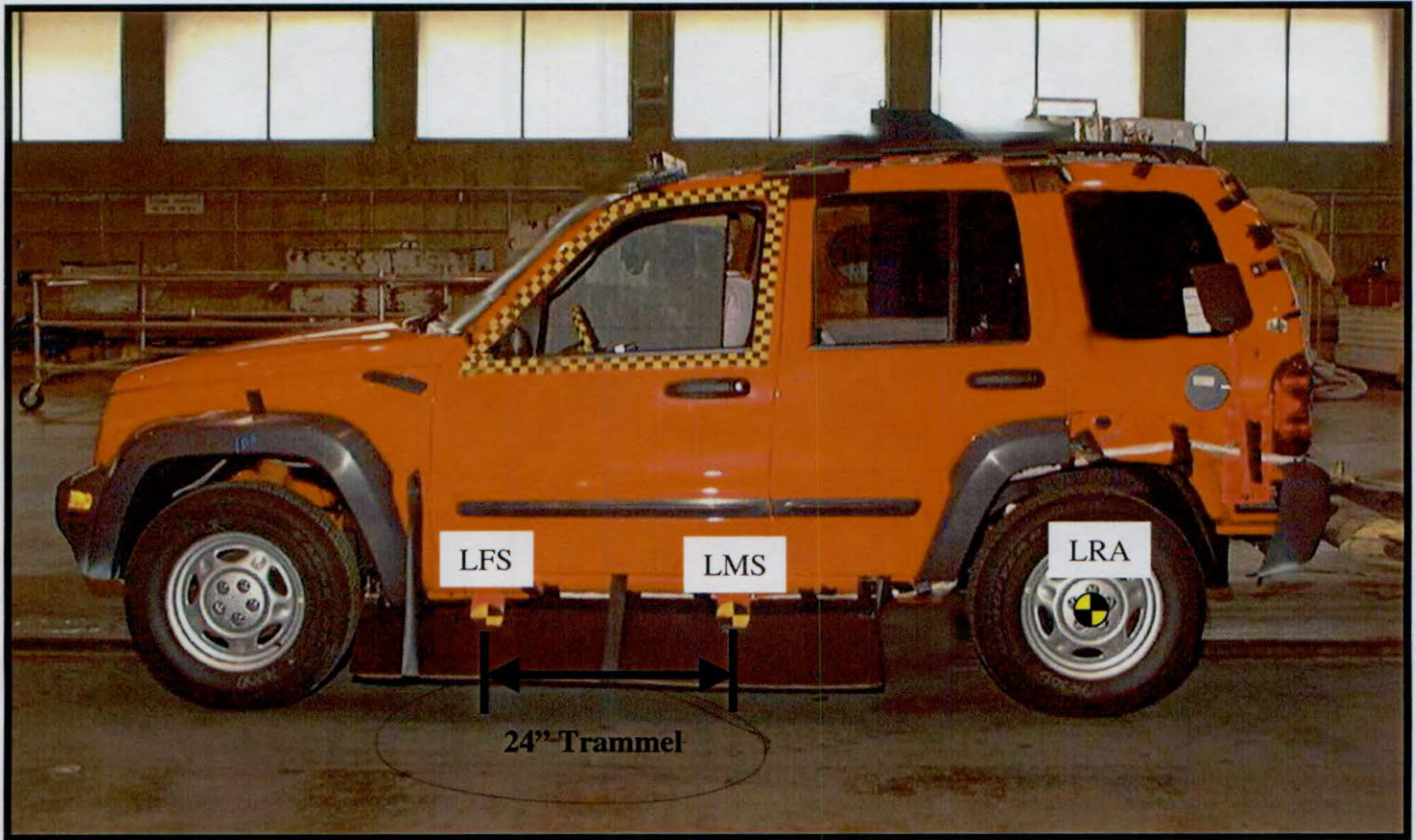
Program: 02KJ

VC ; Item No.

LEFT SIDE
FOR ALL REAR IMPACTS

Impact Analysis Engineer: DCC / 01/21/2000
Visibility Approved: DGL / 05/03/1999
Approved for CPG Use: GAB / 05/03/1999

CONFIDENTIAL



Guidelines to Placement of Critical Targets:

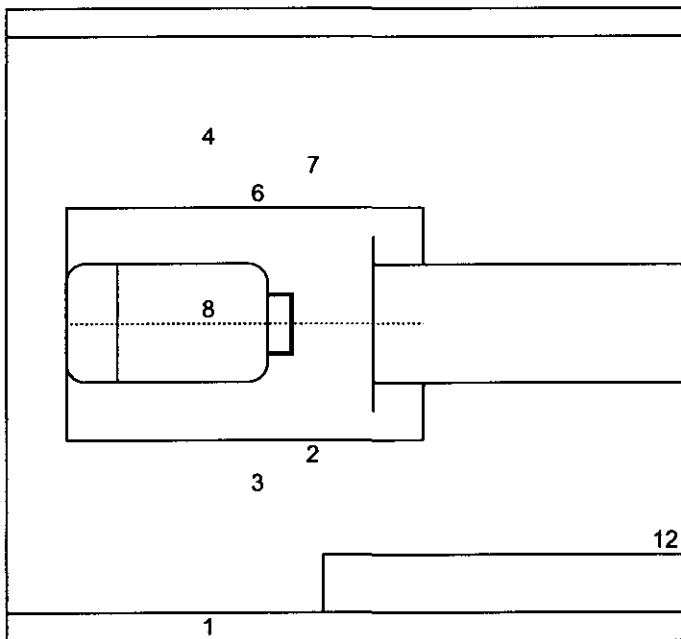
ITEM	COMMENTS
LMS	BOTTOM OF B-POST
LRS	24" FORE OF LMS
LRA	CENTER OF REAR WHEEL

CONFIDENTIAL

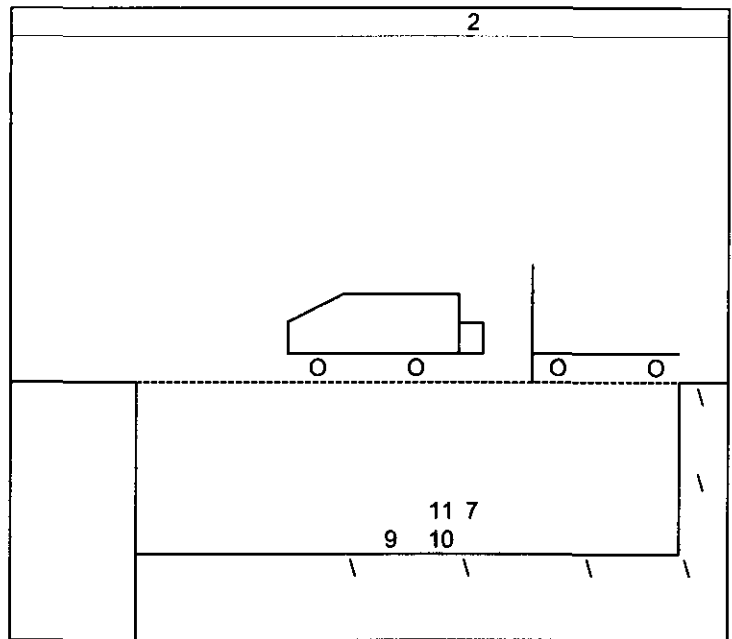
EA12-005- Chrysler -002715

Version: 03

PLAN VIEW



SIDE VIEW



TEST NUMBER:	vc 8459	VEHICLE TYPE:	KJ74
TEST TYPE:	30 MPH Rear Type IV Impact	TEST ENGINEER:	Matt Colie
REQUEST DATE:	05/04/00		

#	VIEW DESCRIPTION A=ANALYSIS	CAM S/N	LENS FL	LENS S/N	LENS MFG.	F - STP	PNL	SKT	CBL	MISC
1	A Lt - Dynamic Crush	428	18MM	116690	KIN					
2	Lt - Close Up of Rear Quarter Panel	1876	35MM	111293	KIN					
3	Lt - Close Up of Fuel Fill Area	1878	50MM	111059	KIN					
4	Rt - Overall	1879	13MM	105432	KIN					
5	Rt - Close Up of Rear Quarter Panel	1891	35MM	111095	KIN					
6	Rt - High Mount Close-up of Swing Gate Handle (3k fps)	HYCAMO	35MM	111106	KIN					
7	Catwalk Close up Rear Swing gate handle	427	50MM	102952	KIN					Added To Test
8	Onboard - Fuel Tank Head thru Hatch	X	13MM							
9	A Pit - Overall Underbody - SOUTH	432	13MM	13-7	COS	4 1/4				
10	A Pit - Overall Underbody - NORTH	Did Not Run	433	13MM	13-5	COS	4 1/4			
11	Pit - View of ORVR Equipment (attached a	Did Not Run	284	25MM	25-4	COS				
12	Velocity	286	100MM	D73487	WOL					
30	Lt - Ektapro - Close Up of Rear Quarter to view Swing Gate and Handle	EKTA	ZOOM	300473	CAN					
	vc photo w/o									
	2- film copies 1 - Mark Levine									
	1 - M. Gielow									
	1- vhs Mark Levine									

5/17/00

EA12-005- Chrysler -002716

WEDNESDAY #2

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC8459, ITEM NUMBER KJ4677, TEST ENGINEER COLIE

V.I.N. 1J4FF58K22A [REDACTED], TEST DATE 05/17/00, ROLL DATE 05/18/00

TEST TYPE; 30 MPH TYPE IV MOVING BARRIER REAR IMPACT

FUEL; TYPE AND QUANTITY - 767 S.G. STODDARD SOLVENT, 14.3 GALLONS

TEST SPEED 30.3 MPH, TEST WEIGHT 4825 POUNDS.

POST IMPACT LEAKAGE(OZ); AT IMPACT 0-

1ST 5 MIN. 0-

NEXT 25 MIN. 0-

POST TEST PRESSURE CHECK _____

ELECTRIC FUEL PUMP RUN _____

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE LEFT SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME					TOTAL
0-90	1ST 5 MIN				0- *
<u>1:57</u>	POST 5 MIN				0- **
90-180	1ST 5 MIN				0- *
<u>1:49</u>	POST 5 MIN				0- **
180-270	1ST 5 MIN				0- *
<u>1:44</u>	POST 5 MIN				0- **
270-360	1ST 5 MIN				0- *
<u>1:50</u>	POST 5 MIN				0- **

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS NO EVIDENCE OF LEAKAGE

DATE 05/18/00
TIME 10:37:56.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC08459 ITEM KJ4677
VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
TEST DATE 05/17/00

TEST PURPOSE PRIMARY, 2001 USA 301 DEVELOPMENT.

IMPACT TYPE TARGET SPEED; 30.1 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; 4 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4FF58K22A [REDACTED] MOD.
VIN AS BUILT; 1J4FF58K22A [REDACTED] MOD.

TEST SPEED 30.3 MPH BY ELECTRONIC TEAP

TEST WEIGHT (LBS) 4895 TOTAL, 2237 FRONT, 2658 REAR

OCCUPANTS LEFT FRONT, HII BALLAST AD-47
RESTRAINT-BELTS ONLY
RIGHT FRONT, HII BALLAST AD-70
RESTRAINT-BELTS ONLY

BUILD CONDITION

TARGET WEIGHT (LBS) 4262 TOTAL, 2254 FRONT, 2008 REAR REP MAX OPT
WEIGHT FOR A 3.7L 4X4 VEHICLE W/OUT CARGO OR
OCCUPANTS.

FUEL AND BALLAST 17.5 GALLONS OF STODDARD SOLVENT
300 LBS
150 LBS BEHIND PASSENGER SEAT
100 LBS BEHIND DRIVER SEAT

DATE 05/18/00
TIME 10:37:56.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC08459 ITEM KJ4677
VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
TEST DATE 05/17/00

EDP TECHNICIAN S. MARCHENIA

No. of Pages 71
CC

M. A. GIELOW	481-02-13
M. P. LEVINE	514-17-41
M. STEBELTON	422-05-01

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***** VC08459A ***** Page I-01

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PAGE: 012 ENGINE BOTTOM X, Chl 1, VD
PAGE: 013 ENGINE BOTTOM Z, Chl 2
PAGE: 014 FUEL TANK RL PASS-THRUX, Chl 3
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PAGE: 016 FUEL TANK RL PASS-THRU Y, Chl 4
PAGE: 017 FUEL TANK RL PASS-THRU Z, Chl 5
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PAGE: 019 LT RAD SPT REAR X, Chl 6, VD
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PAGE: 021 RT RAD SPT REAR X, Chl 7, VD
PAGE: 022 SWINGGATE INTR LATCH X, Chl 8 *C*
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PAGE: 030 RT SIACM INT ACCEL1 G, Chl 22
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PAGE: 034 FUEL TANK CTR BTM Y, Chl 25
PAGE: 035 FUEL TANK CTR BTM Z, Chl 26 *C*
PAGE: 036 ORC TOP FT LT Y, Chl 32
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PAGE: 053 LEFT REAR SILL X, Chl 43, VD
PAGE: 054 RIGHT REAR SILL X, Chl 44

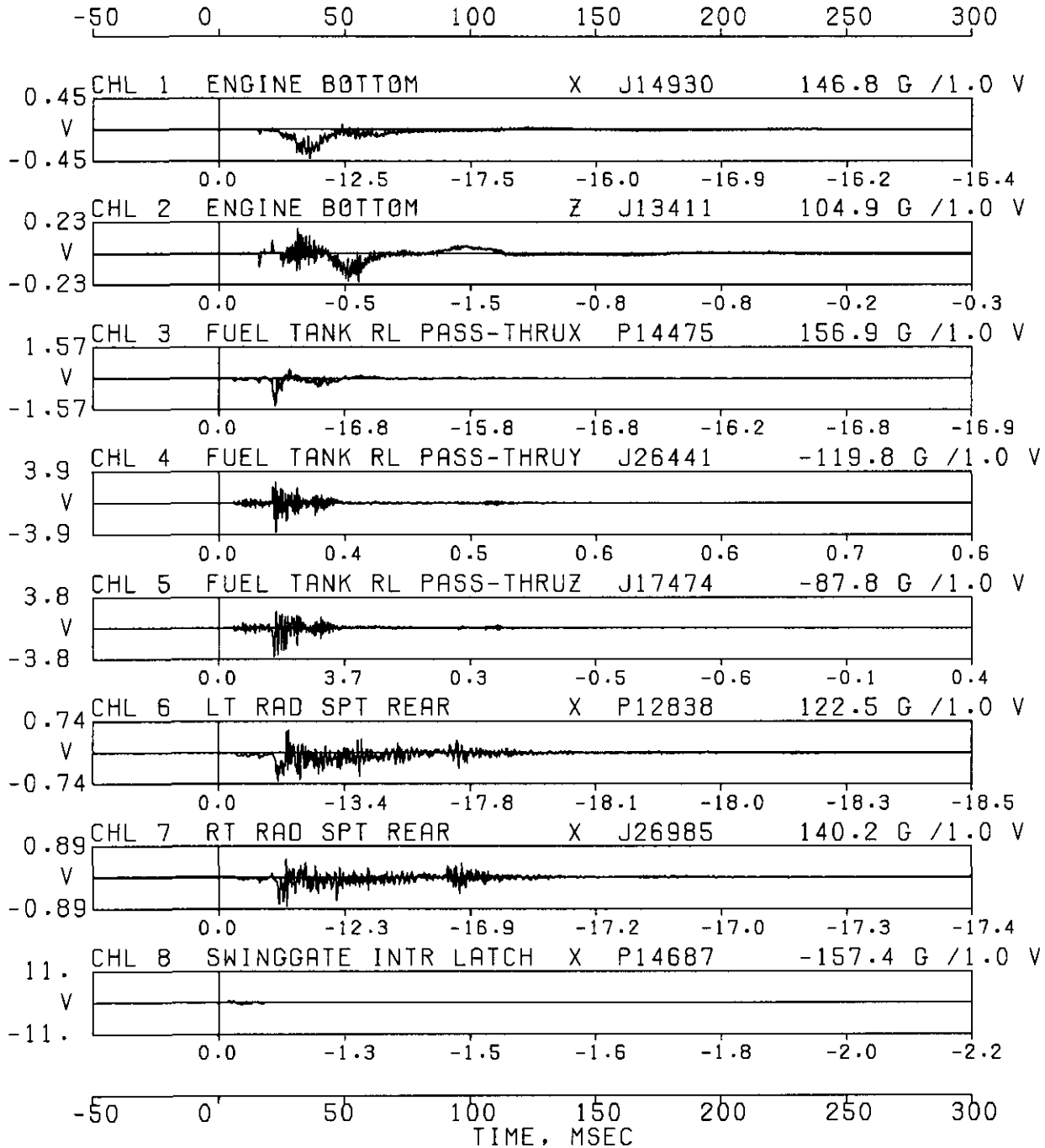
PAGE: 055 RIGHT REAR SILL X, Chl 44, VD
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TRANSDUCER SUMMARY REPORT

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
 2002 MVSS 301 REAR IMPACT DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320
 MAY 18,2000

PAGE 001
 OF 071
 DATA SET 05/17/00BI
 ERRATA 1

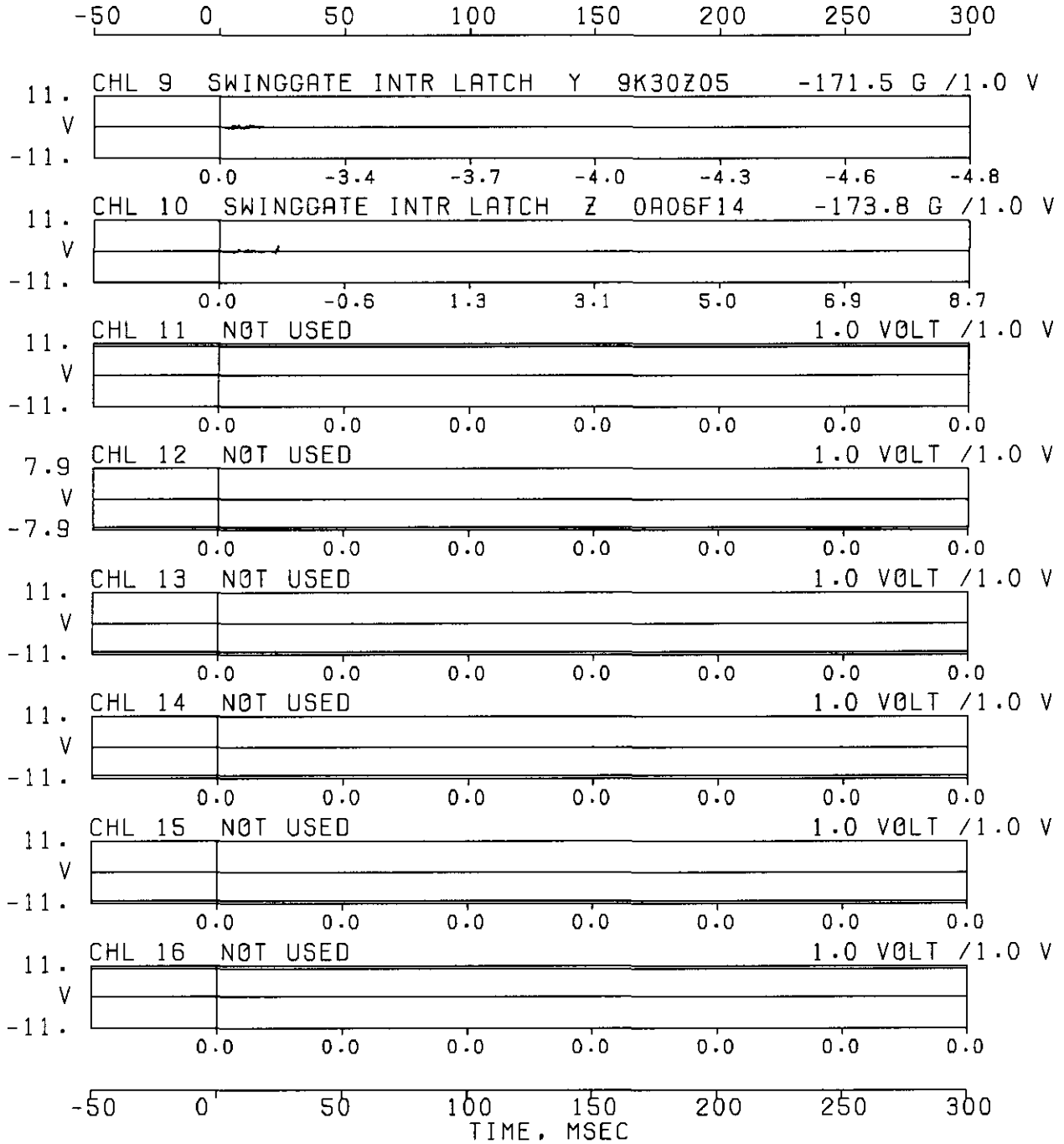


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
IMPACT ANALYSIS DEPT. 5320
MAY 18.2000

PAGE 002
OF 071
DATA SET 05/17/00BI
ERRATA 1



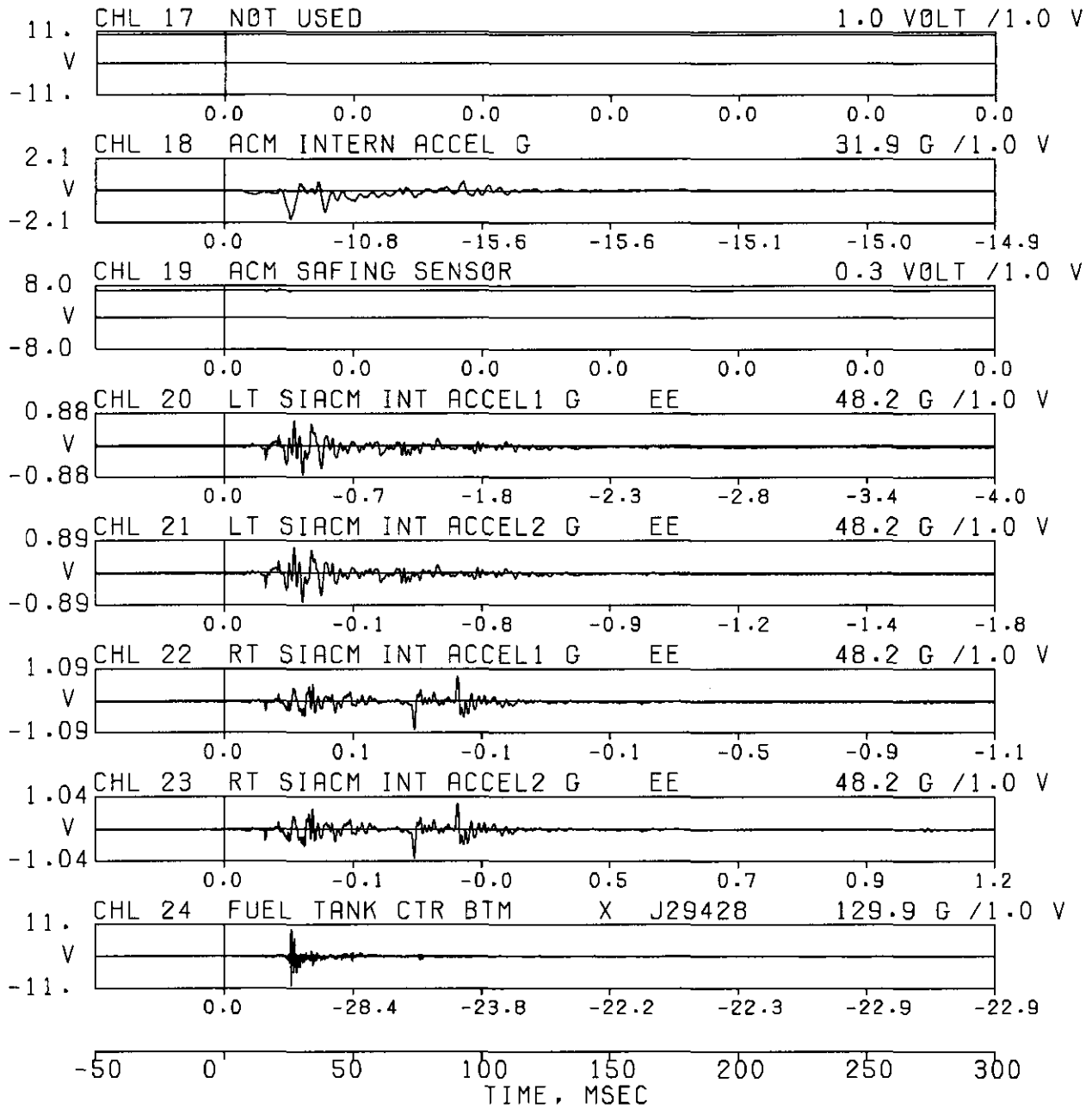
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

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VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
 2002 MVSS 301 REAR IMPACT DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320
 MAY 18, 2000

PAGE 003
 OF 071
 DATA SET 05/17/00BJ
 ERRATA 1

-50 0 50 100 150 200 250 300

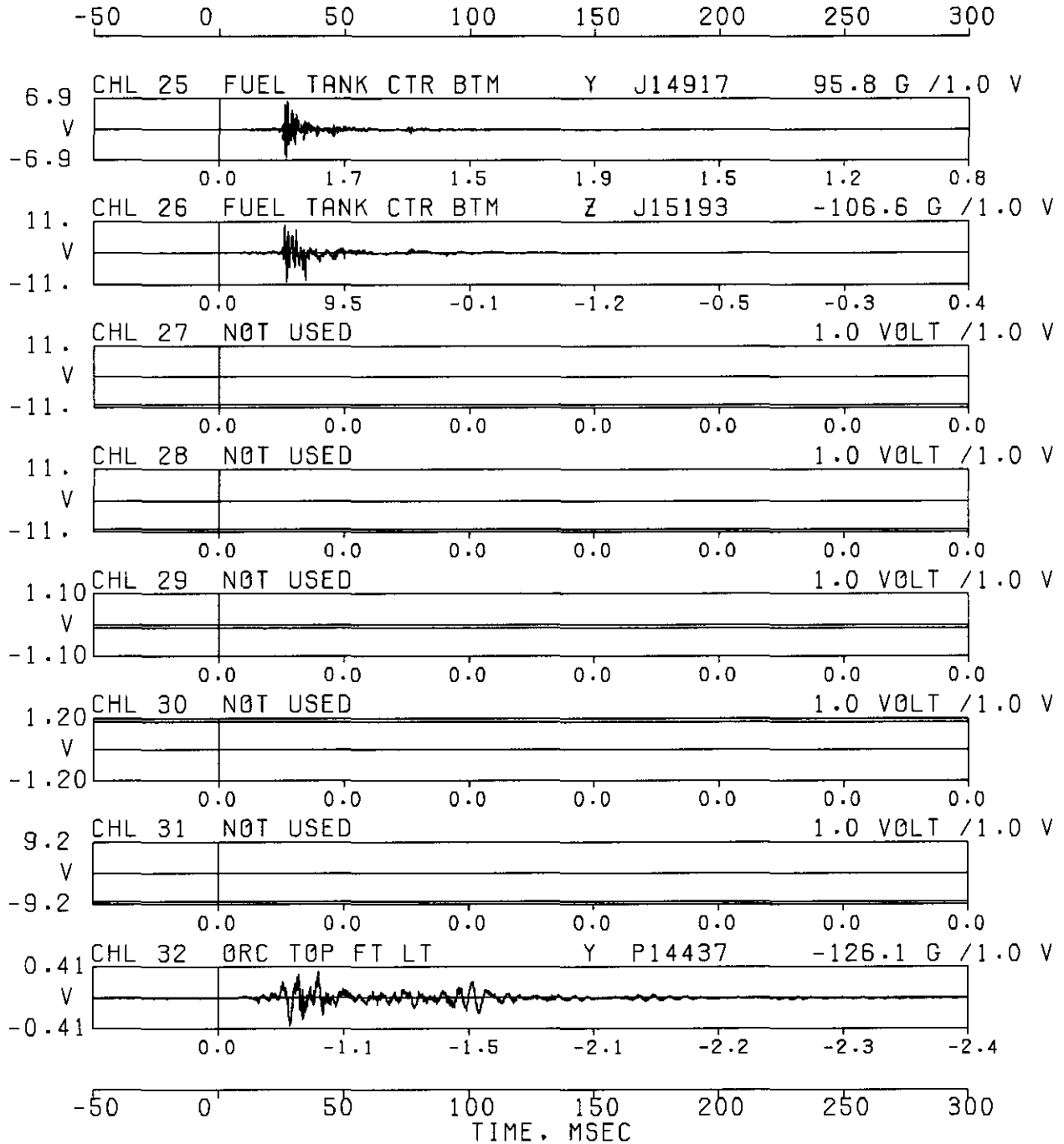


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08459 30 MPH REAR MOVING BARRIER. KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
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MAY 18, 2000

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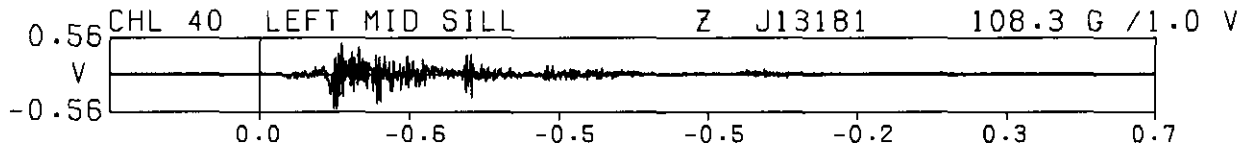
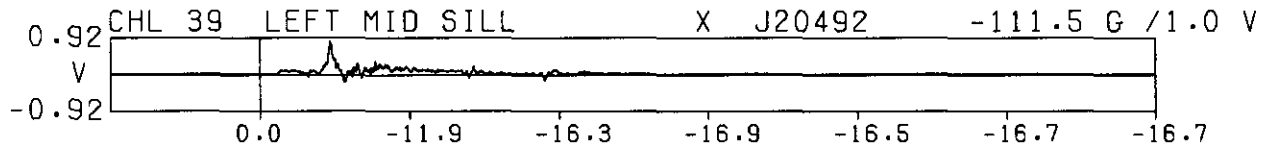
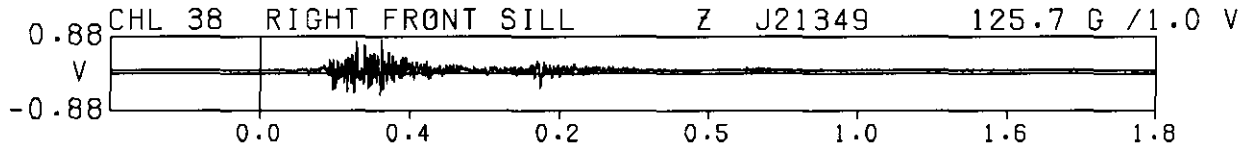
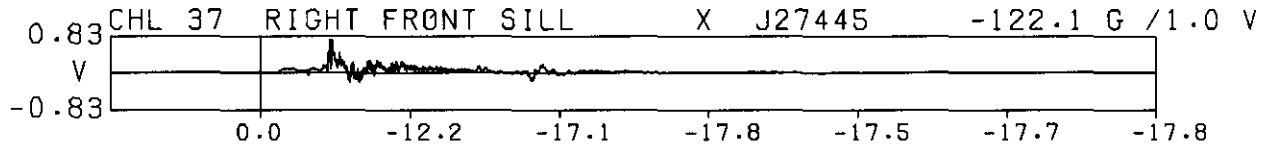
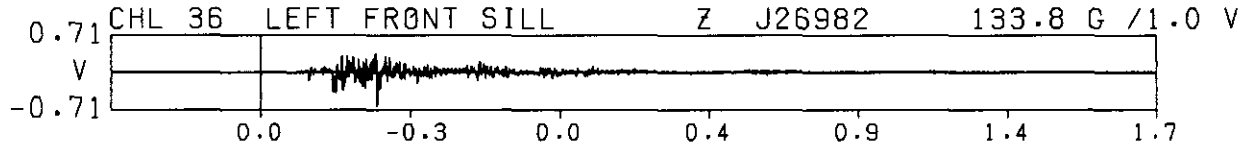
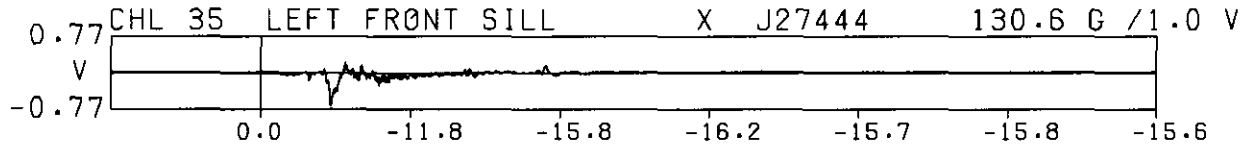
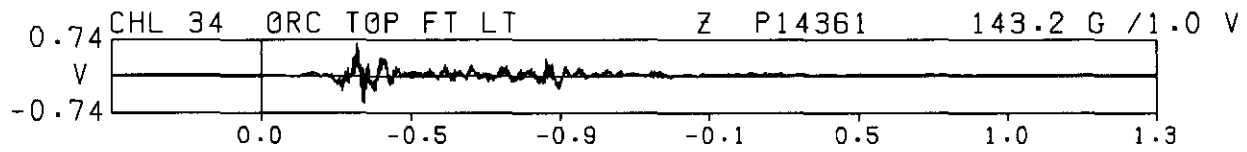
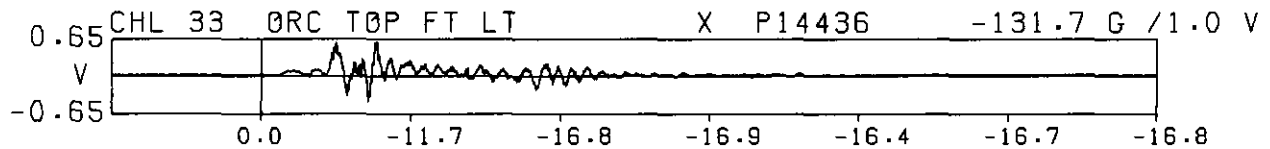
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
IMPACT ANALYSIS DEPT. 5320
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ERRATA 1

-50 0 50 100 150 200 250 300



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

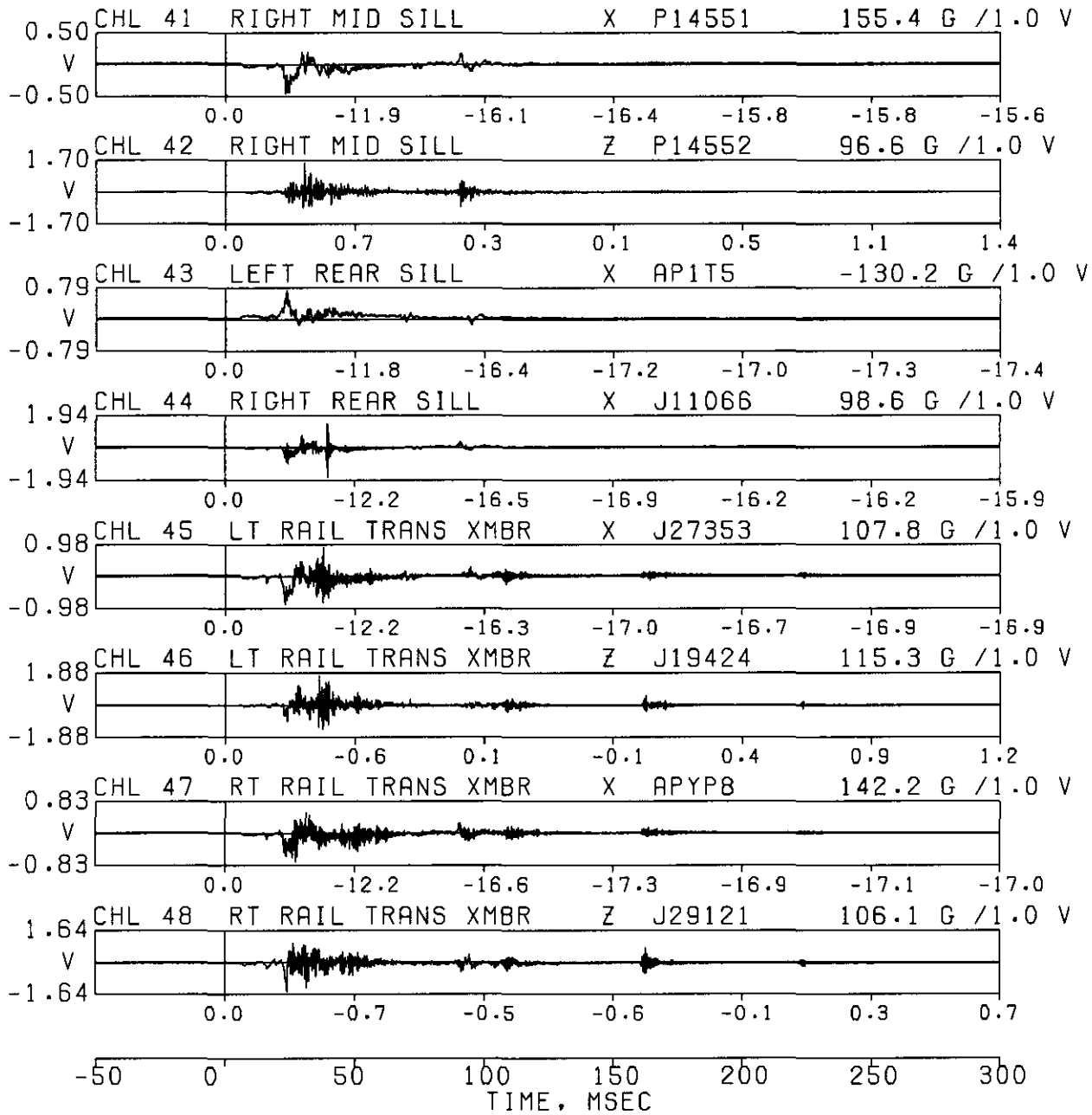
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
 2002 MVSS 301 REAR IMPACT DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320
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-50 0 50 100 150 200 250 300



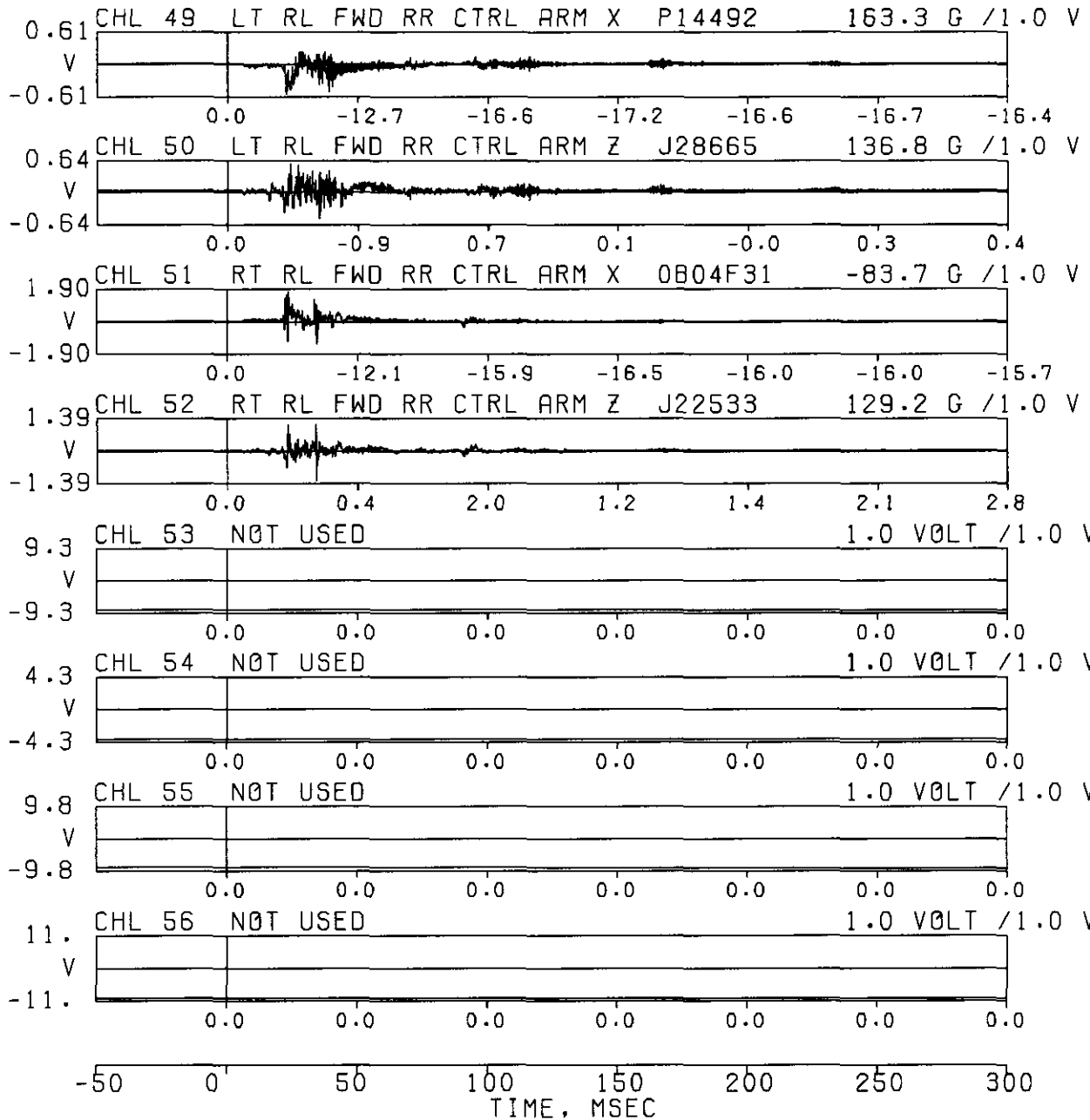
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
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ERRATA 1

-50 0 50 100 150 200 250 300



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

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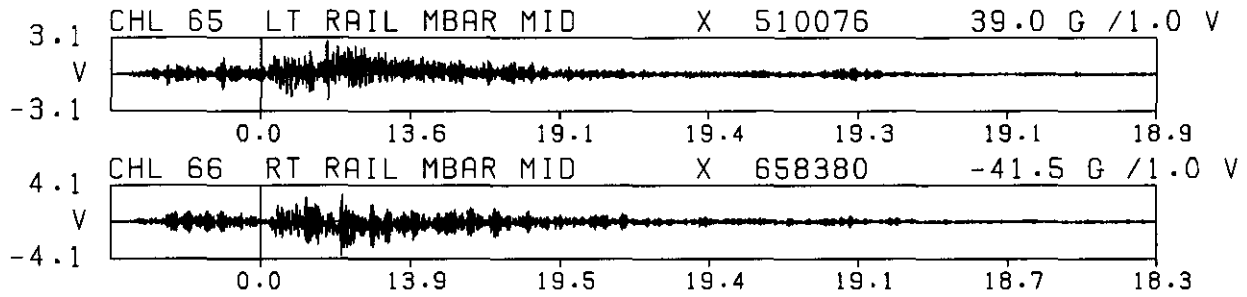
DATA SET 05/17/00BM

MAY 18.2000

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 035 LEFT FRONT SILL	X	J27444
CHANNEL 037 RIGHT FRONT SILL	X	J27445
CHANNEL 043 LEFT REAR SILL	X	AP1T5
CHANNEL 044 RIGHT REAR SILL	X	J11066

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

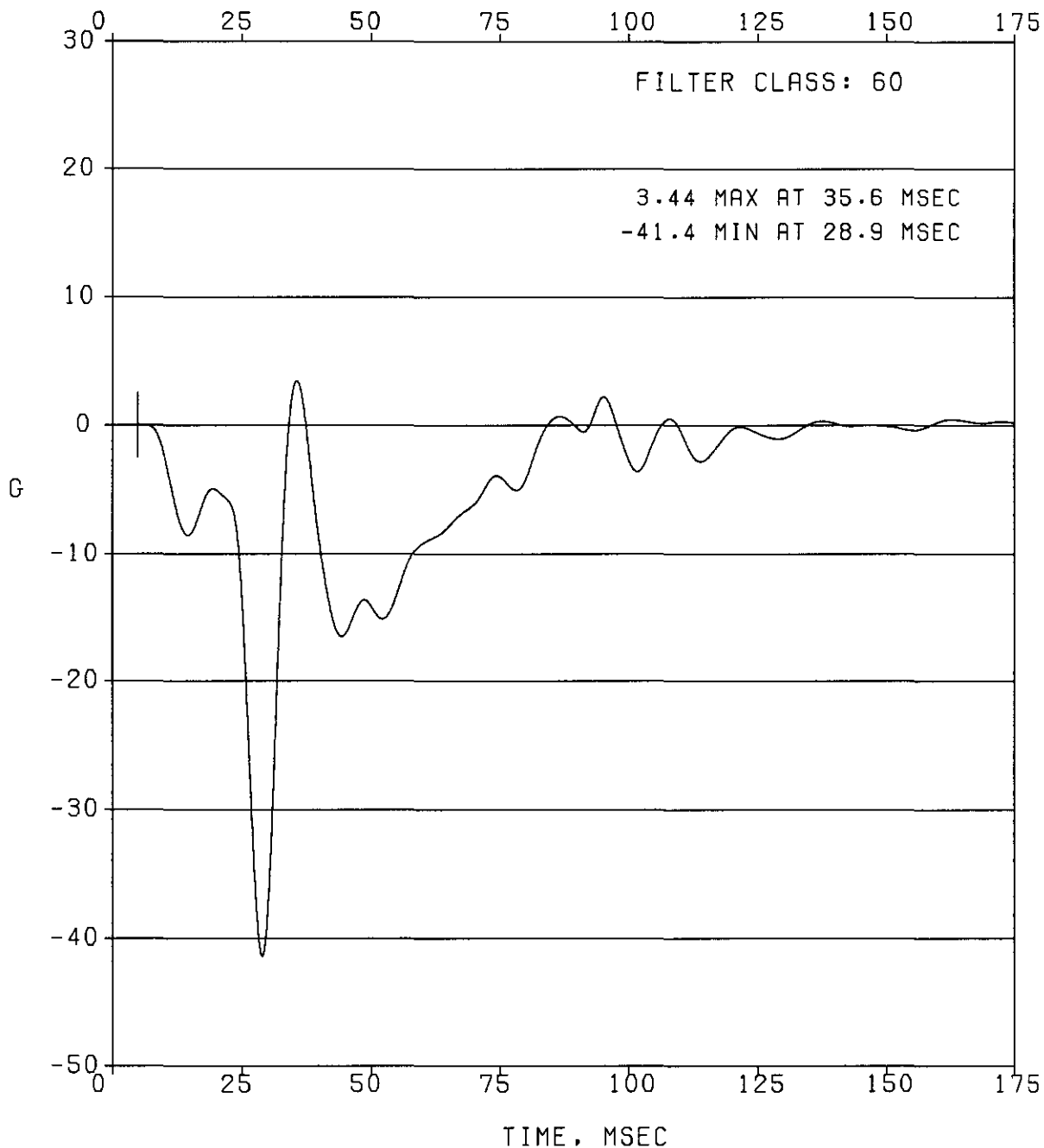
IMPACT ANALYSIS DEPT. 5320

DATA SET 05/17/00BK

MAY 18,2000

ERRATA

1



AVERAGE OF

CHANNEL 035 LEFT FRONT SILL X J27444
CHANNEL 037 RIGHT FRONT SILL X J27445

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

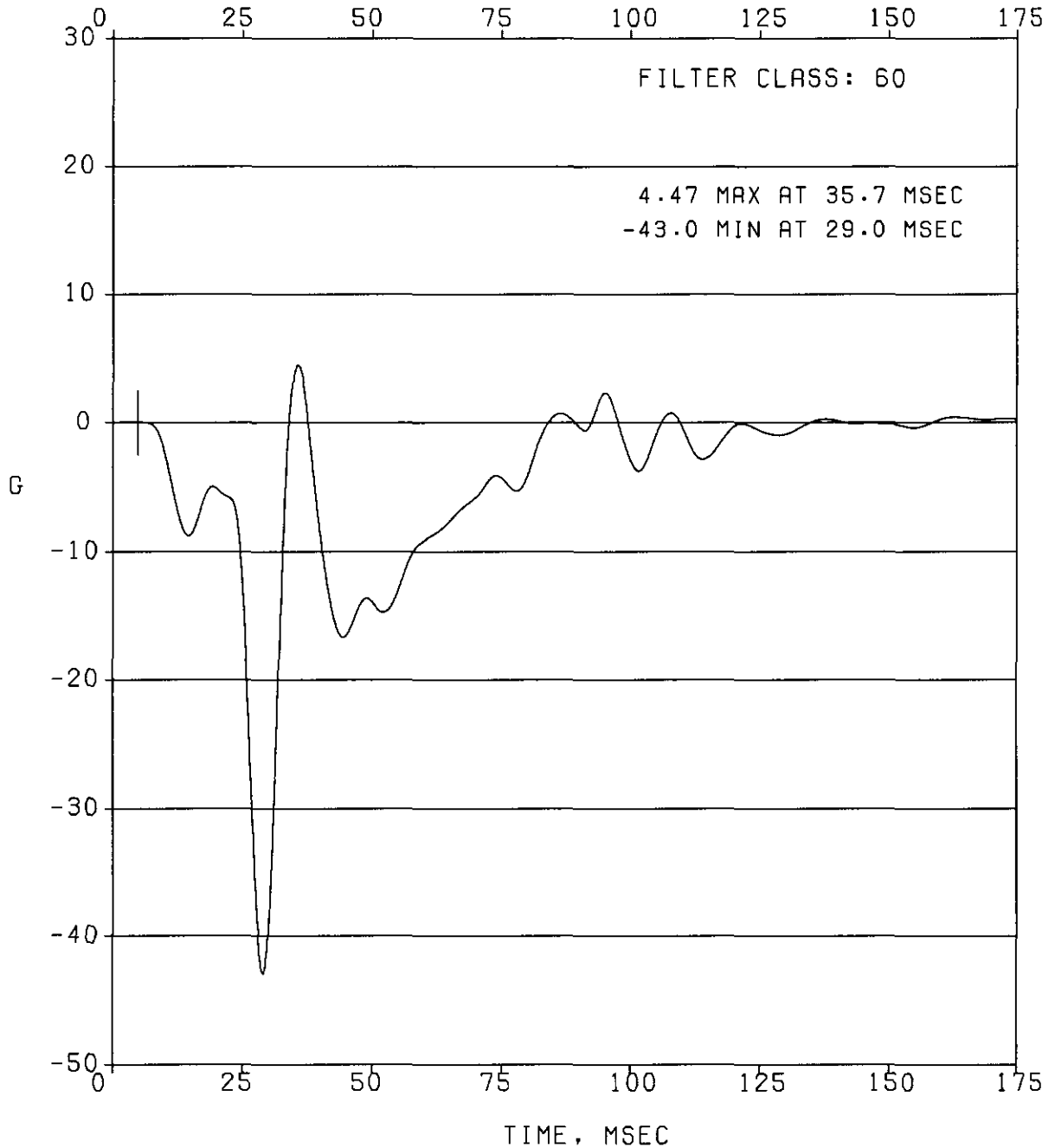
IMPACT ANALYSIS DEPT. 5320

DATA SET 05/17/00BK

MAY 18, 2000

ERRATA

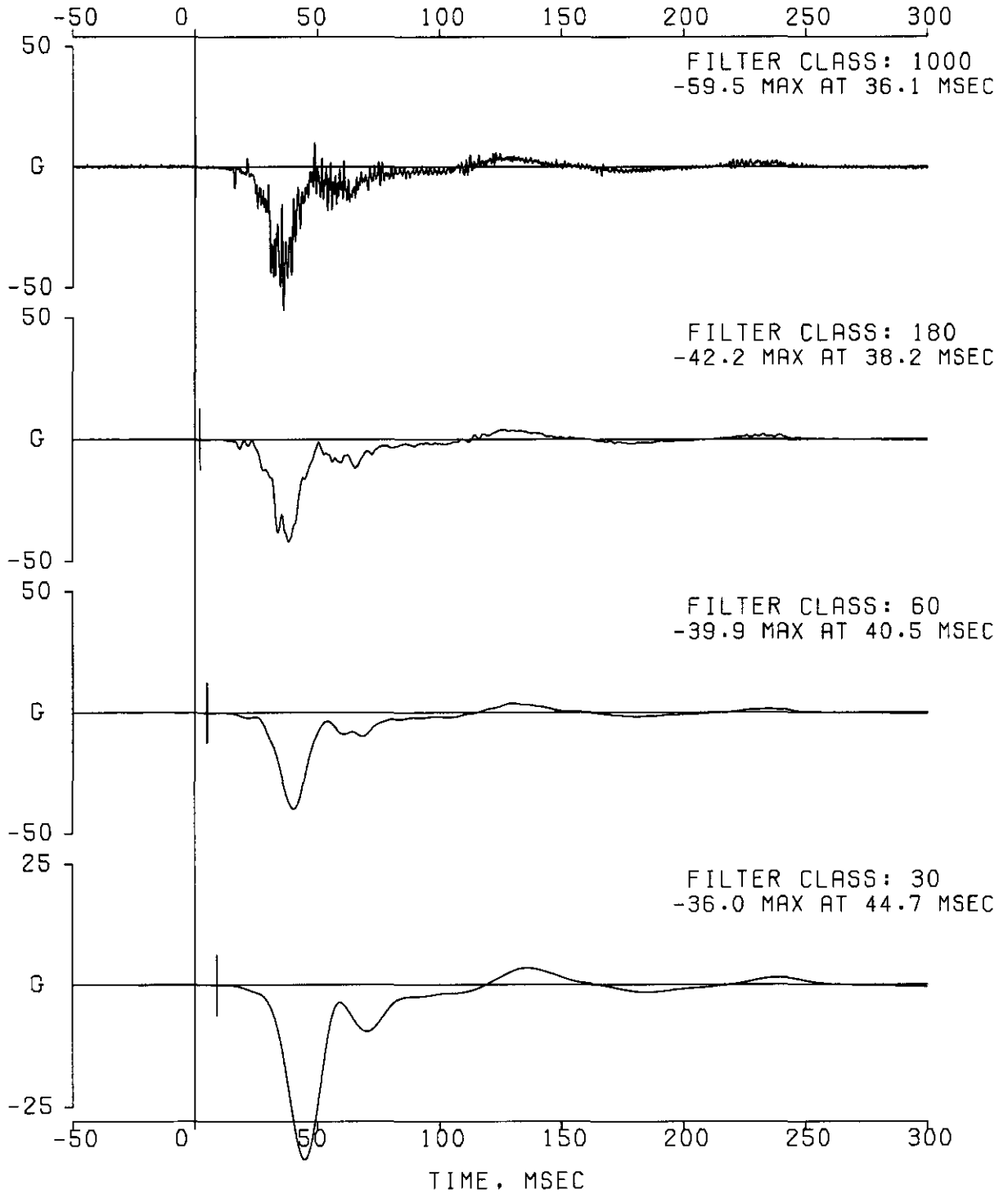
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VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 001 ENGINE BOTTOM X J14930
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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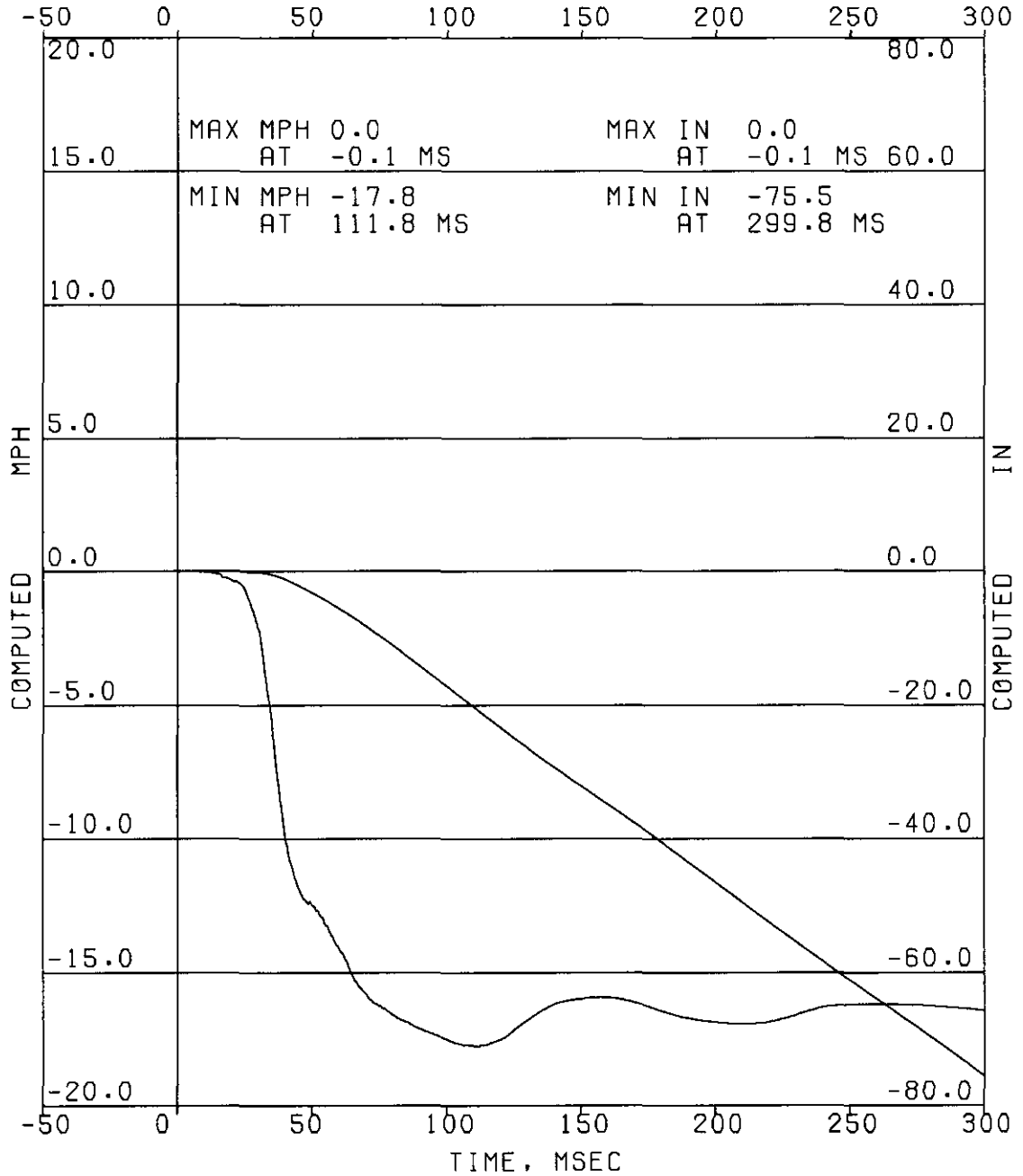
DATA SET 05/17/00BI
ERRATA 1



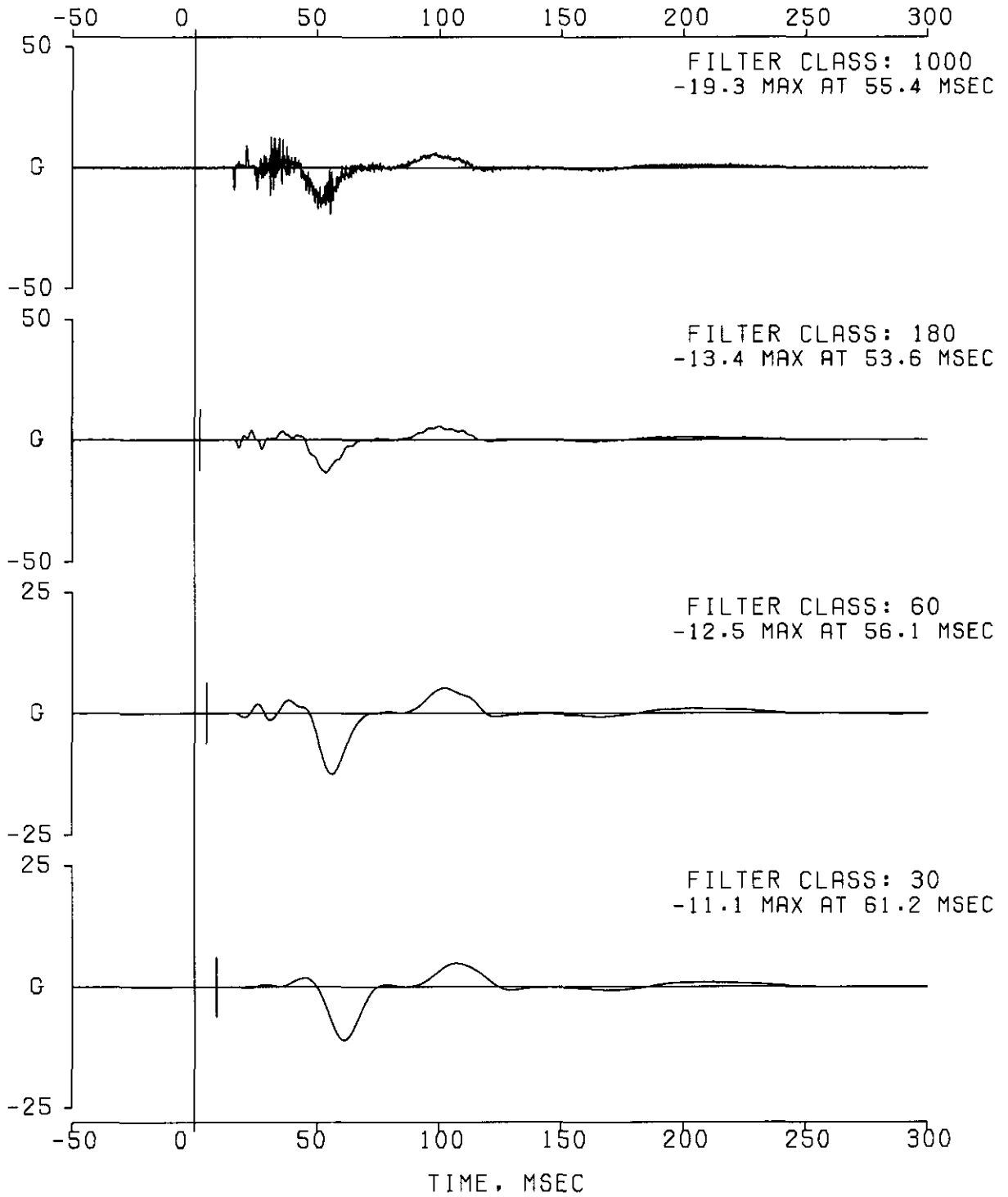
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 MAY 18, 2000

DATA SET 05/17/00BI
 ERRATA 1



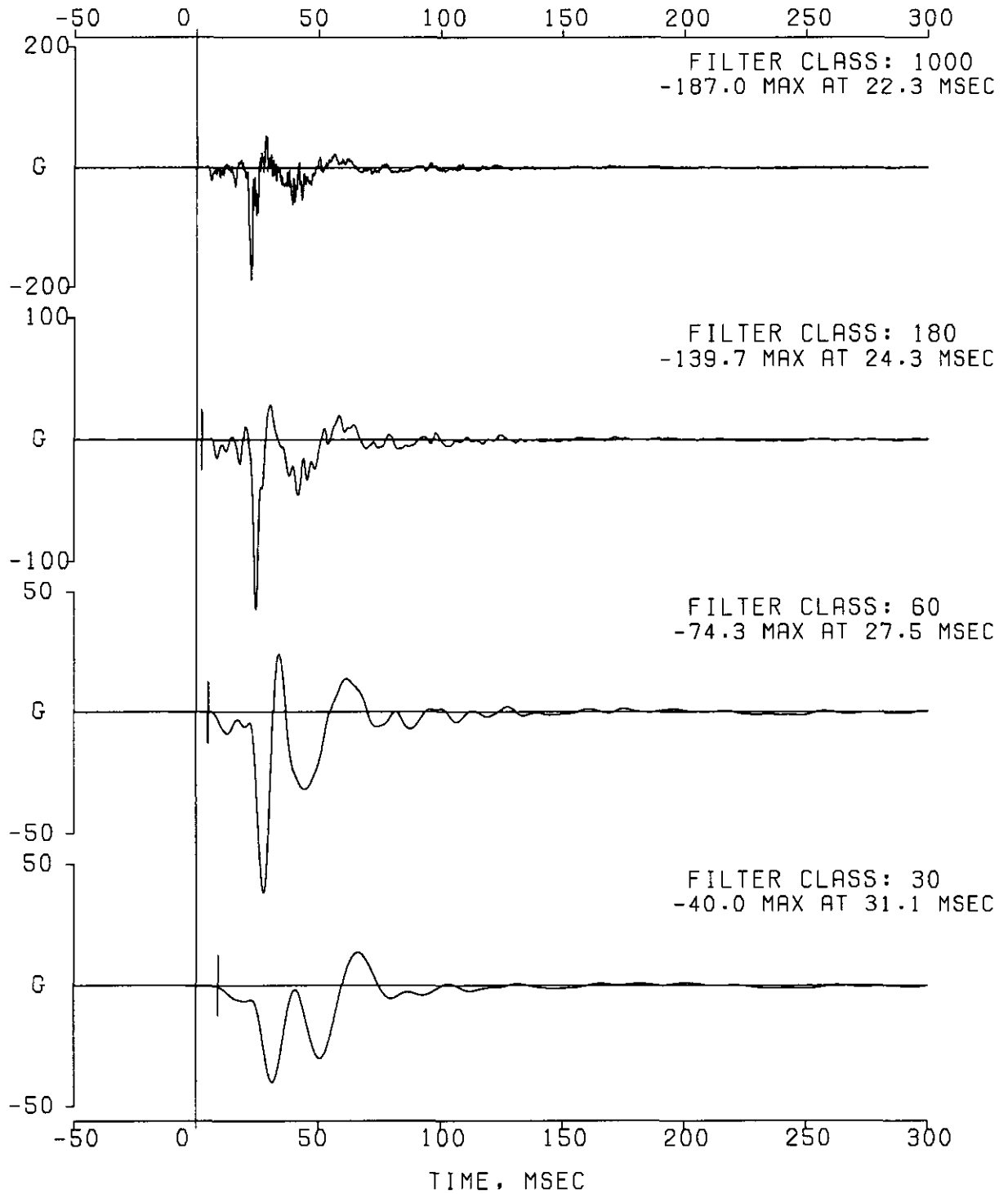
COMPUTED MPH
 COMPUTED IN



VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 003 FUEL TANK RL PASS-THRUX P14475
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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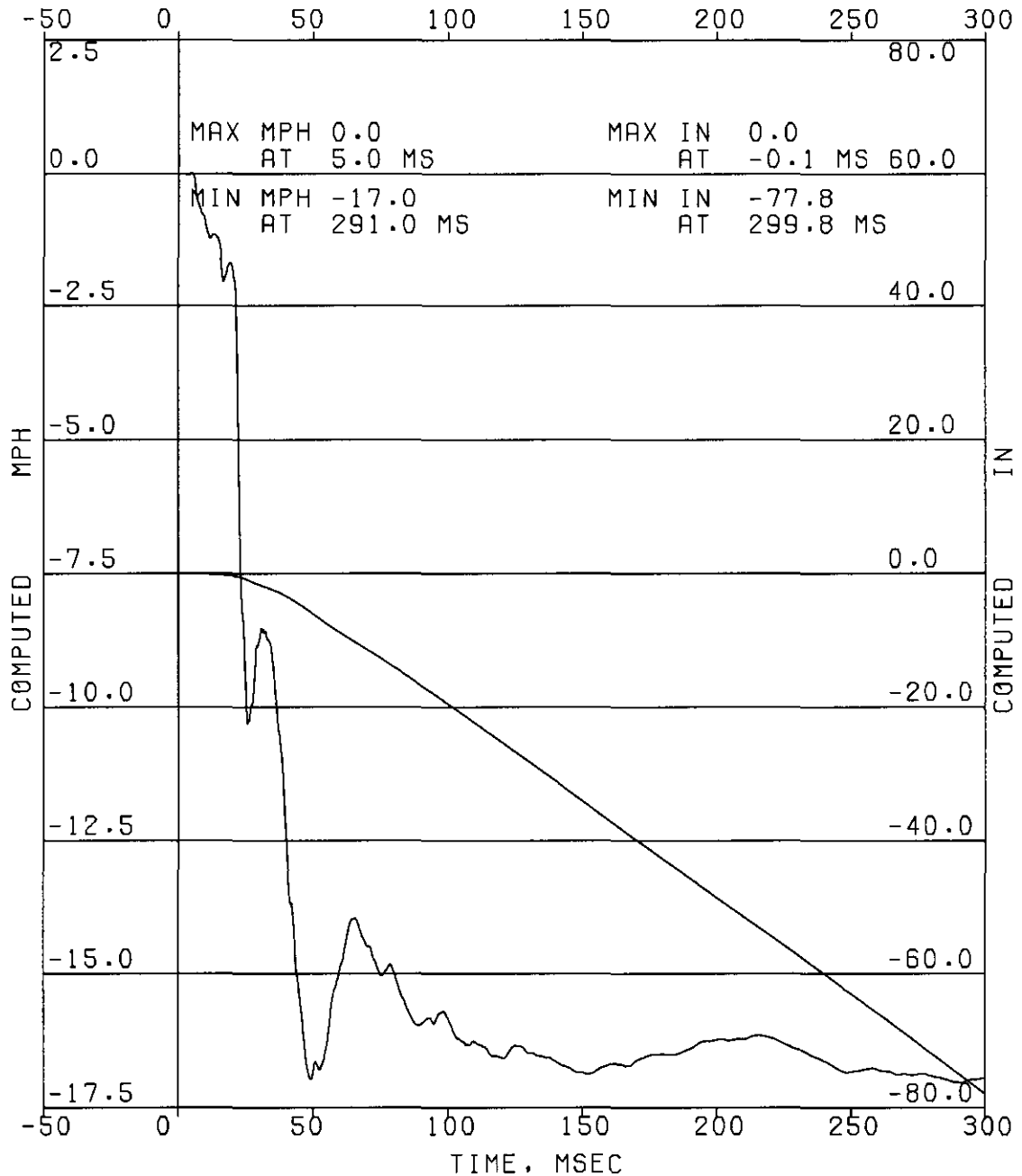
DATA SET 05/17/00BI
ERRATA 1



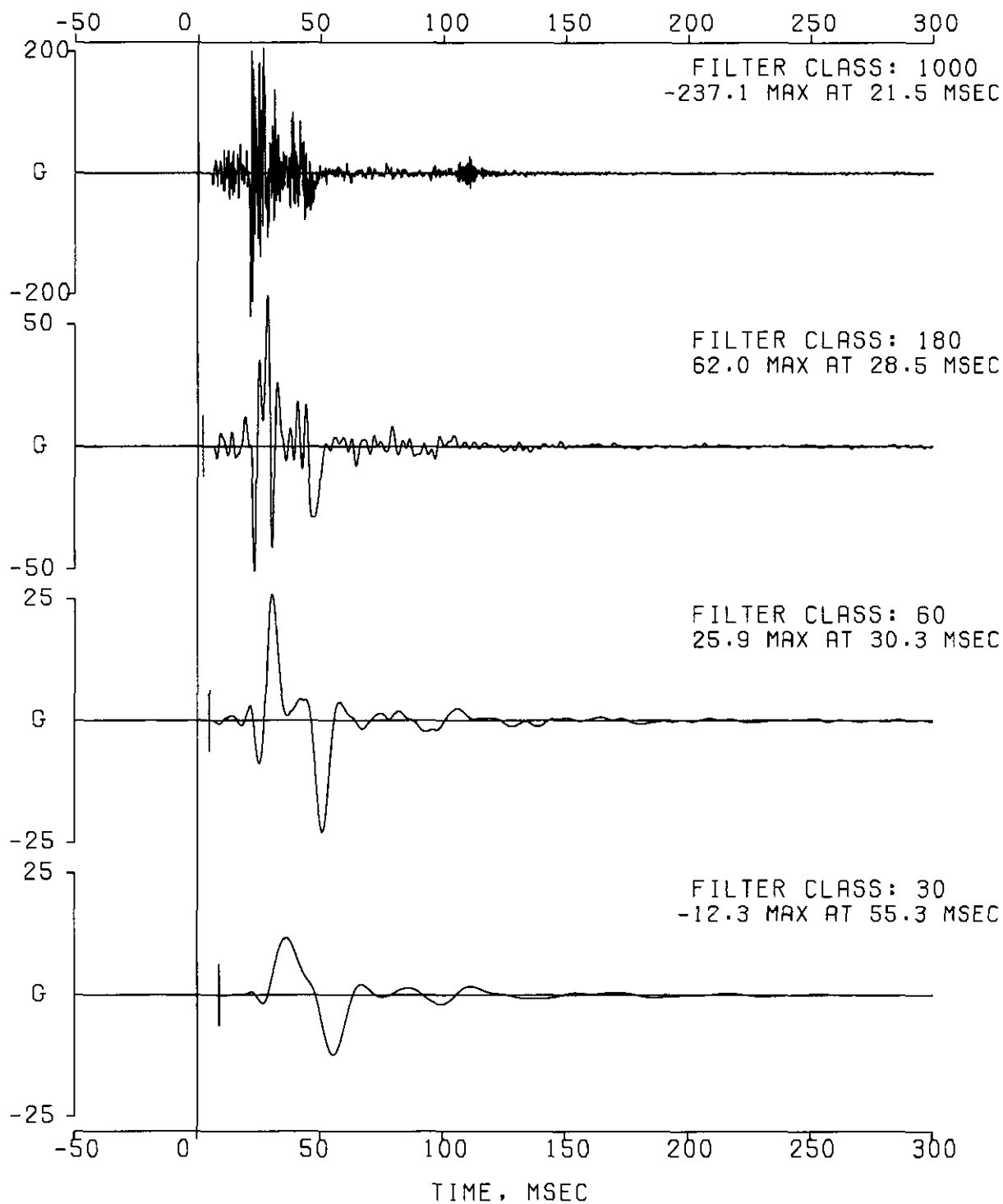
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BI
ERRATA 1



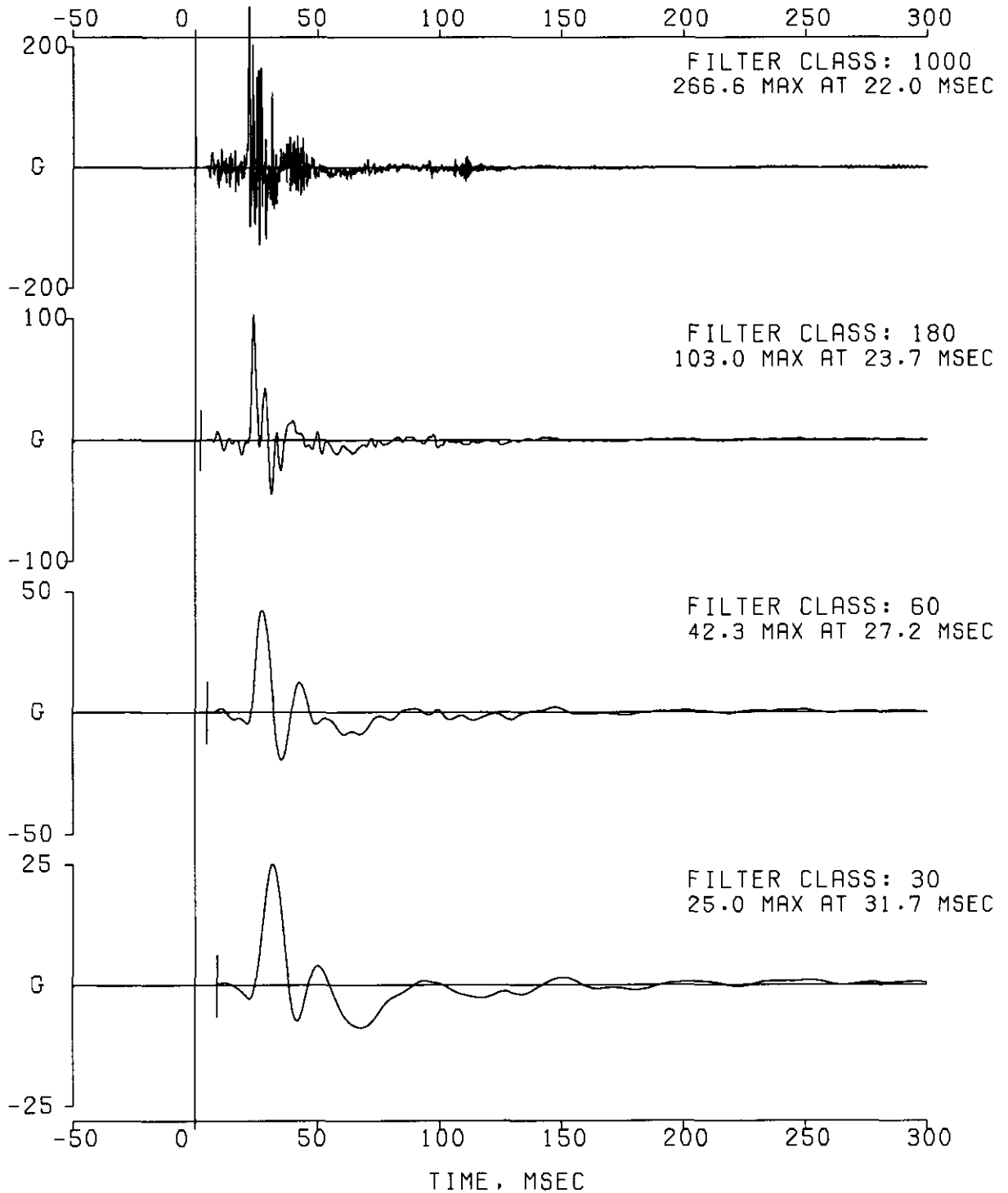
COMPUTED MPH
COMPUTED IN



VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT,
CHANNEL 005 FUEL TANK RL PASS-THRUZ J17474
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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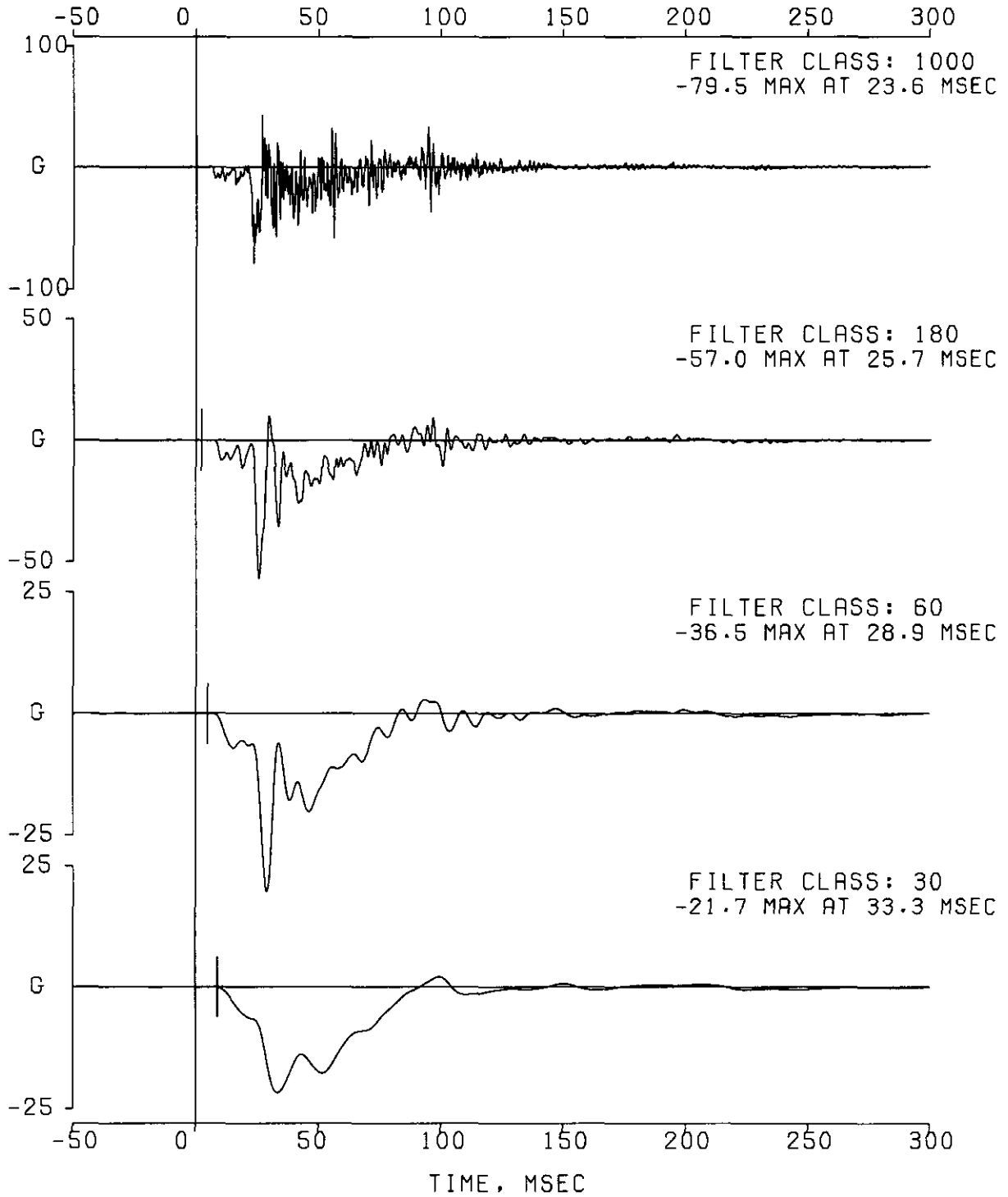
DATA SET 05/17/00BI
ERRATA 1



VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 006 LT RAD SPT REAR X P12838
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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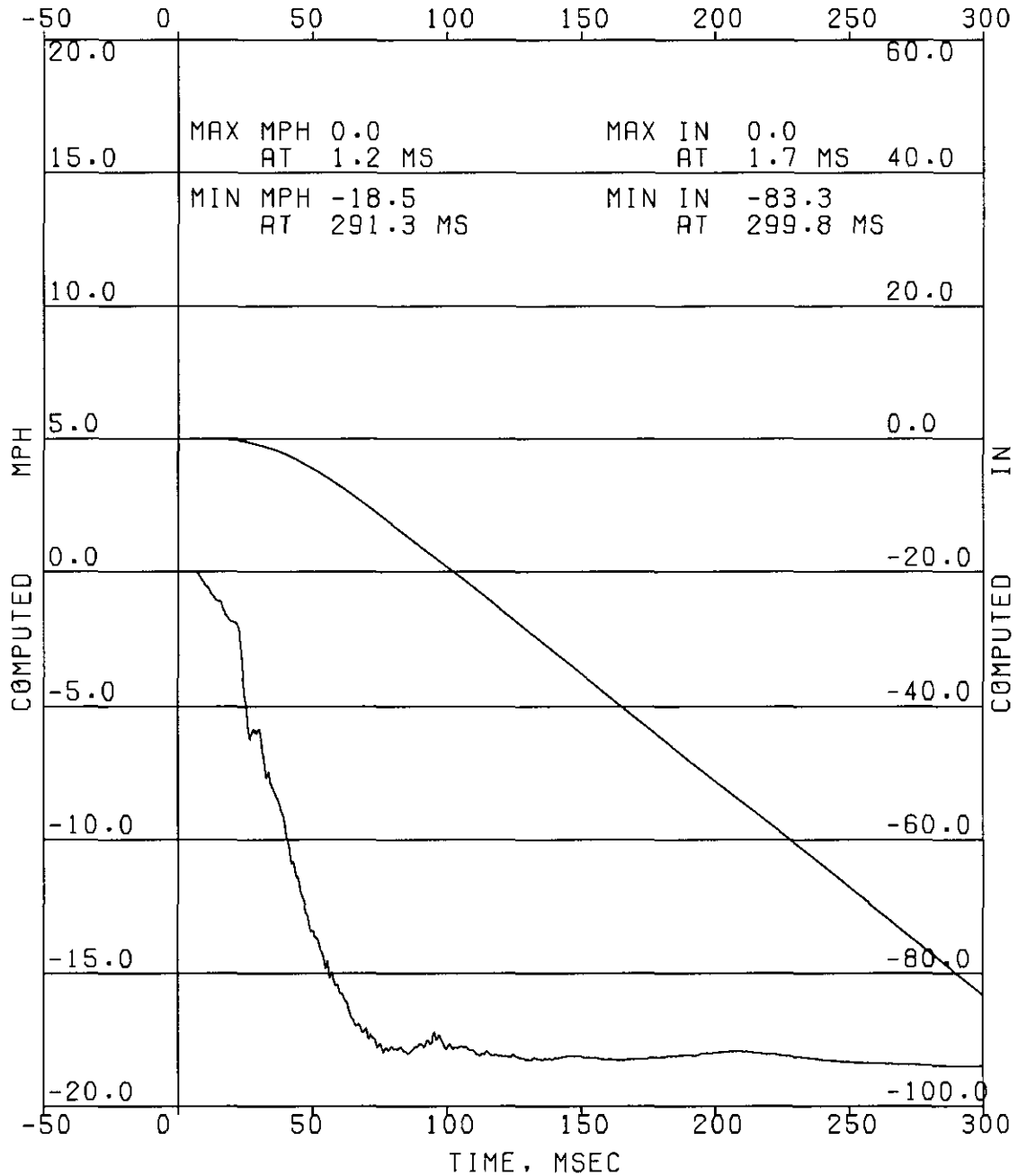
DATA SET 05/17/00BI
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
MAY 18.2000

DATA SET 05/17/00BI
ERRATA 1

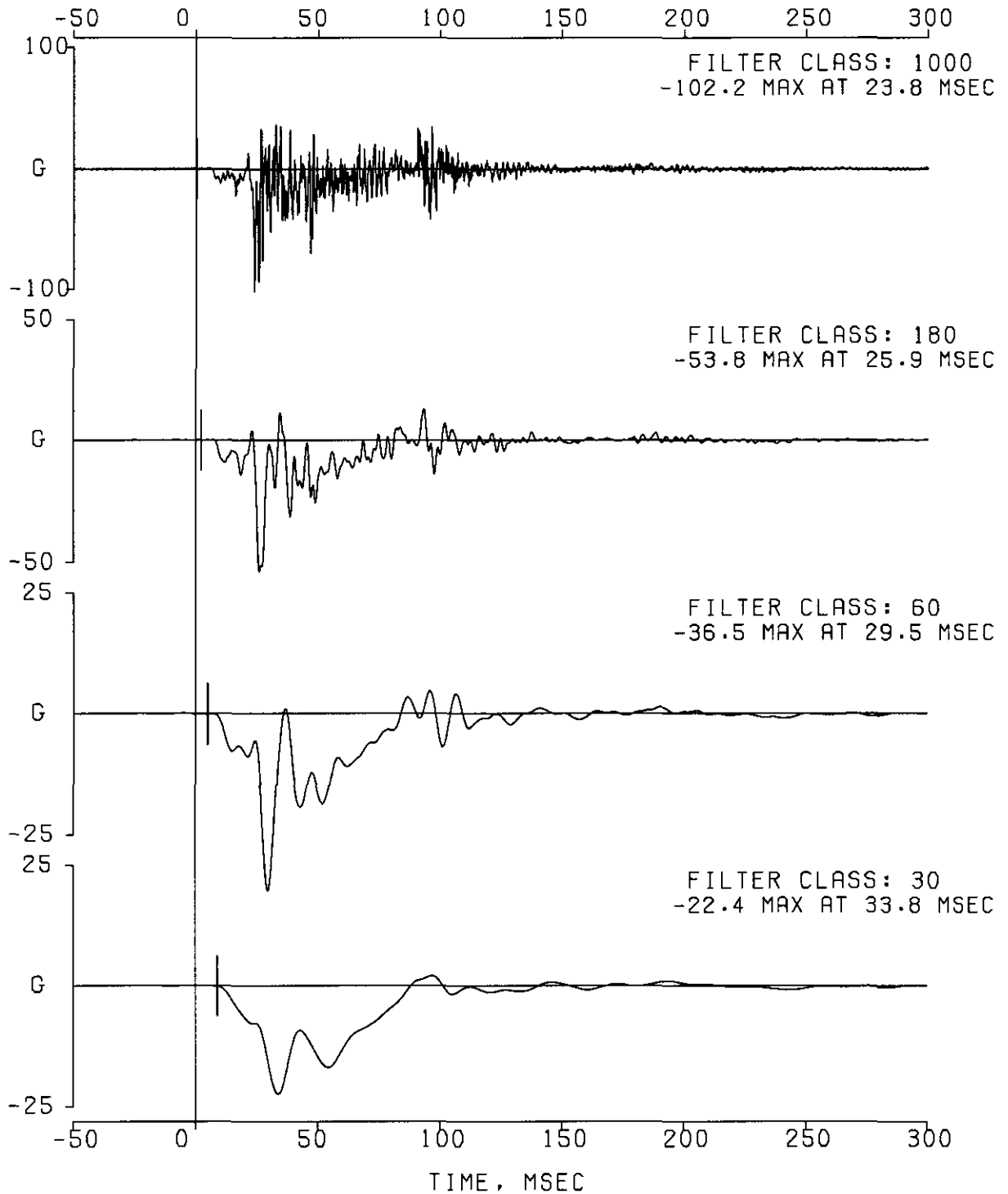


COMPUTED MPH
COMPUTED IN

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 007 RT RAD SPT REAR X J26985
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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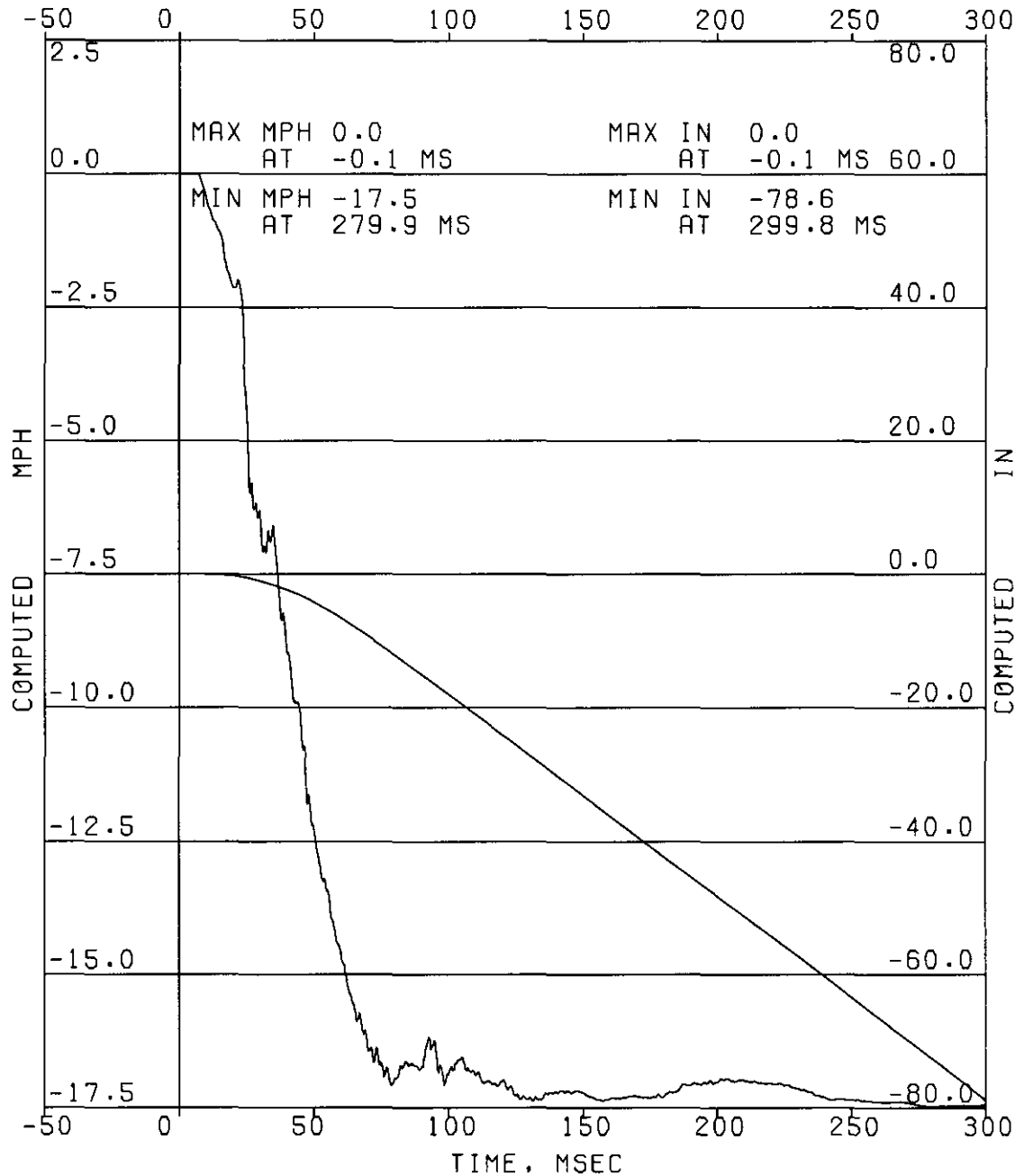
DATA SET 05/17/00BI
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

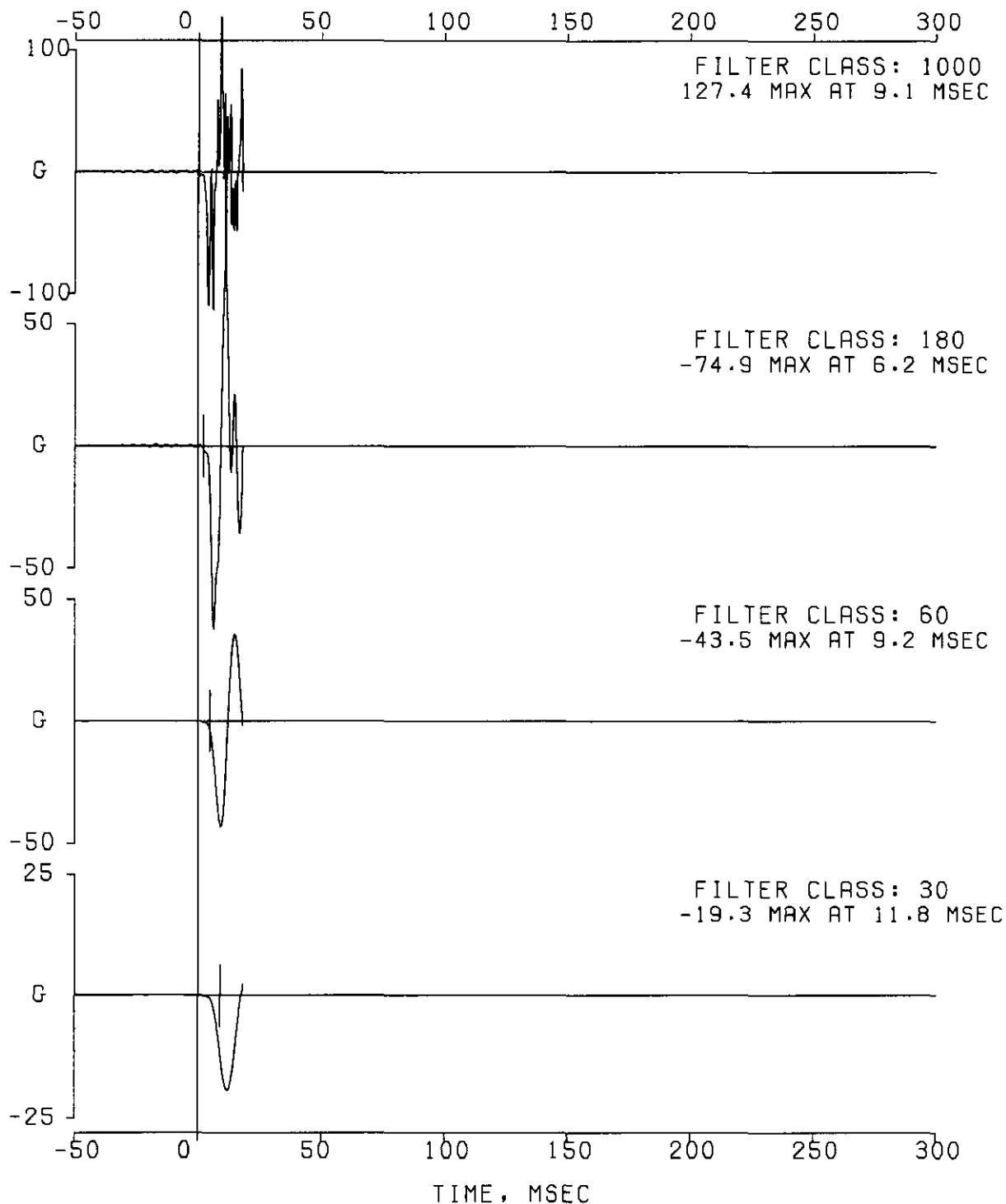
DATA SET 05/17/00BI
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 008 SWINGGATE INTR LATCH X P14687
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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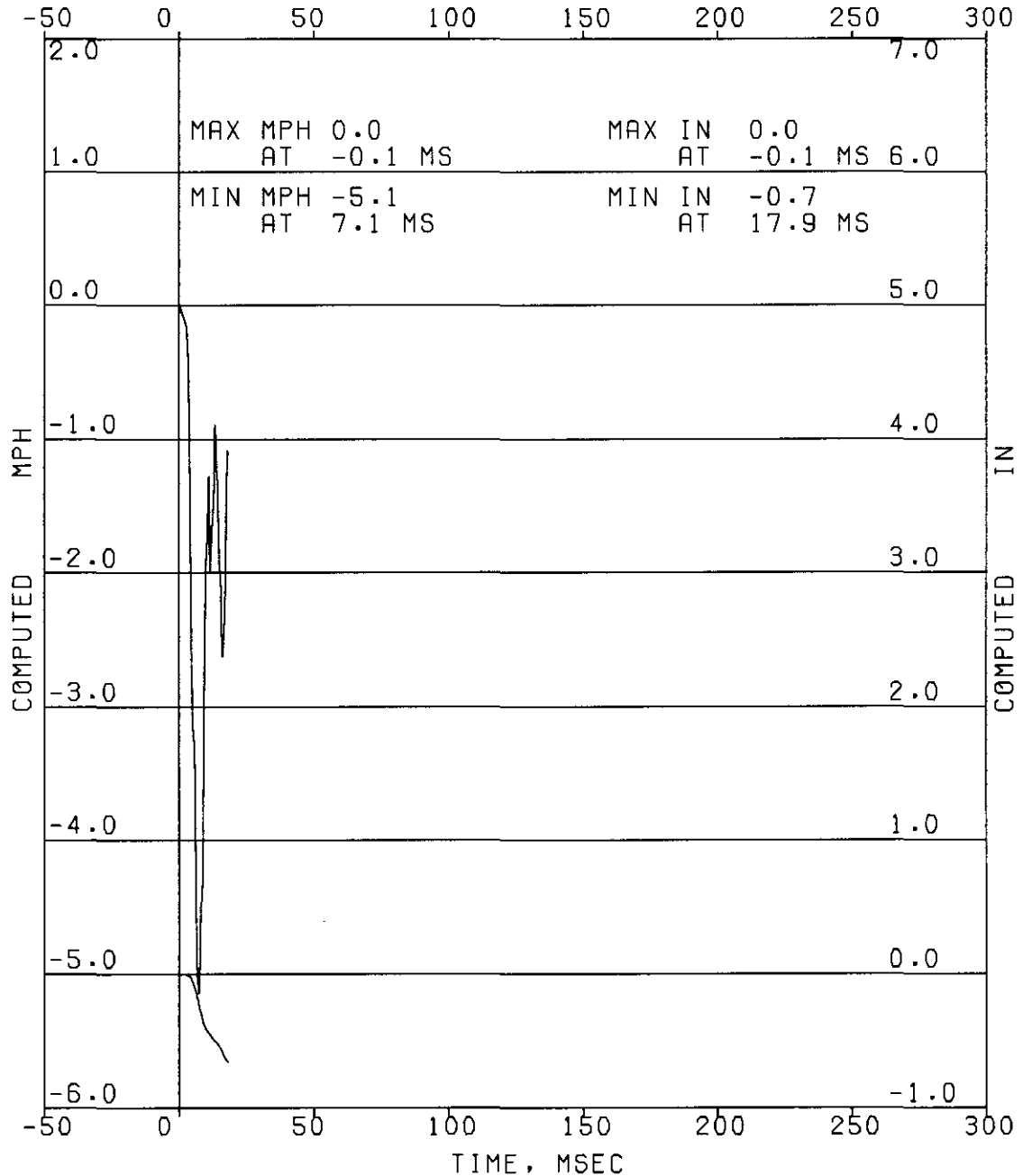


***** CAUTION *****
***** INST. MALFUNCTION AFTER 18.1 MS *****

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

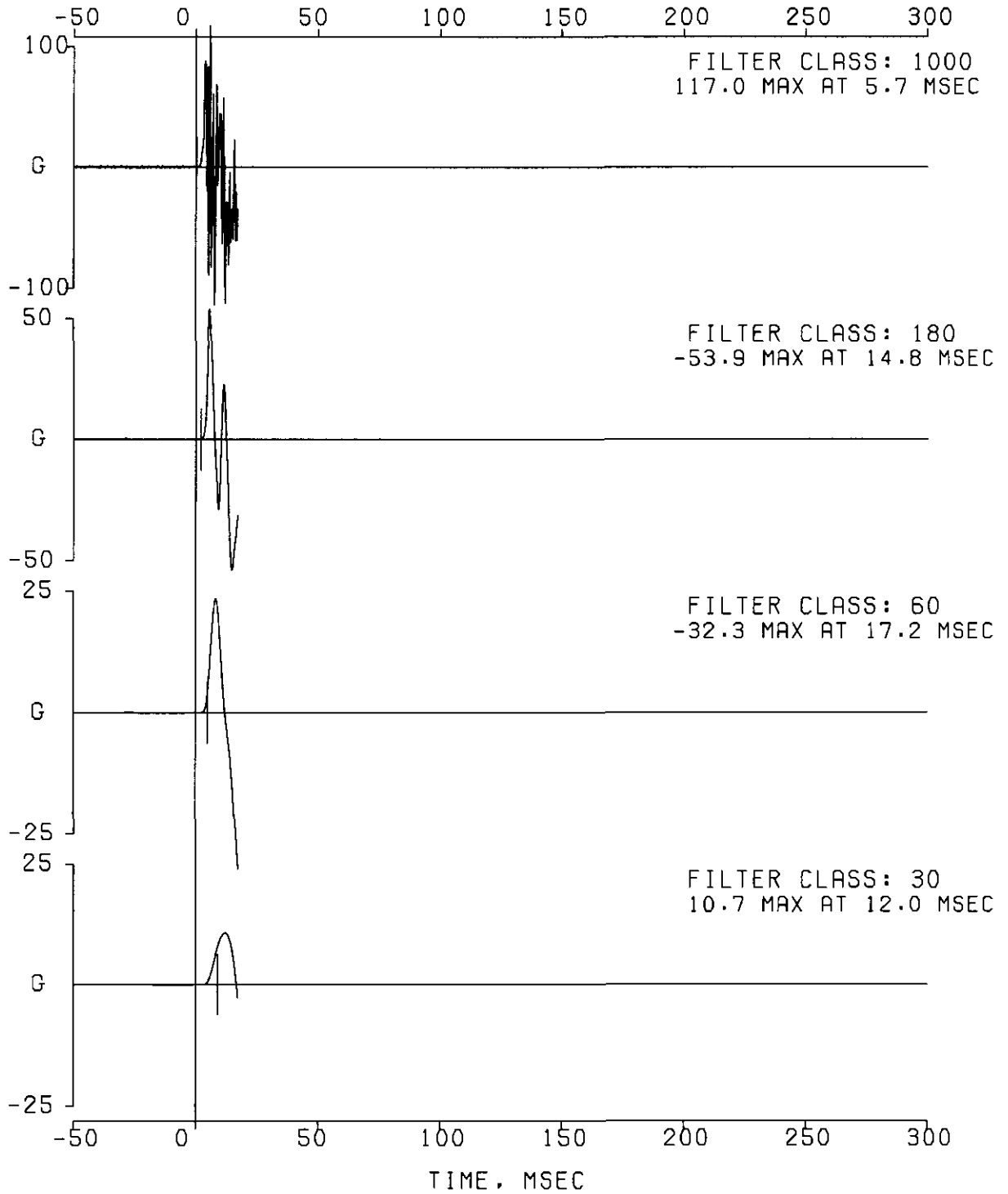
IMPACT ANALYSIS DEPT. 5320
MAY 18.2000

DATA SET 05/17/00BI
ERRATA 1



***** CAUTION *****
***** INST. MALFUNCTION AFTER 18.1 MS *****

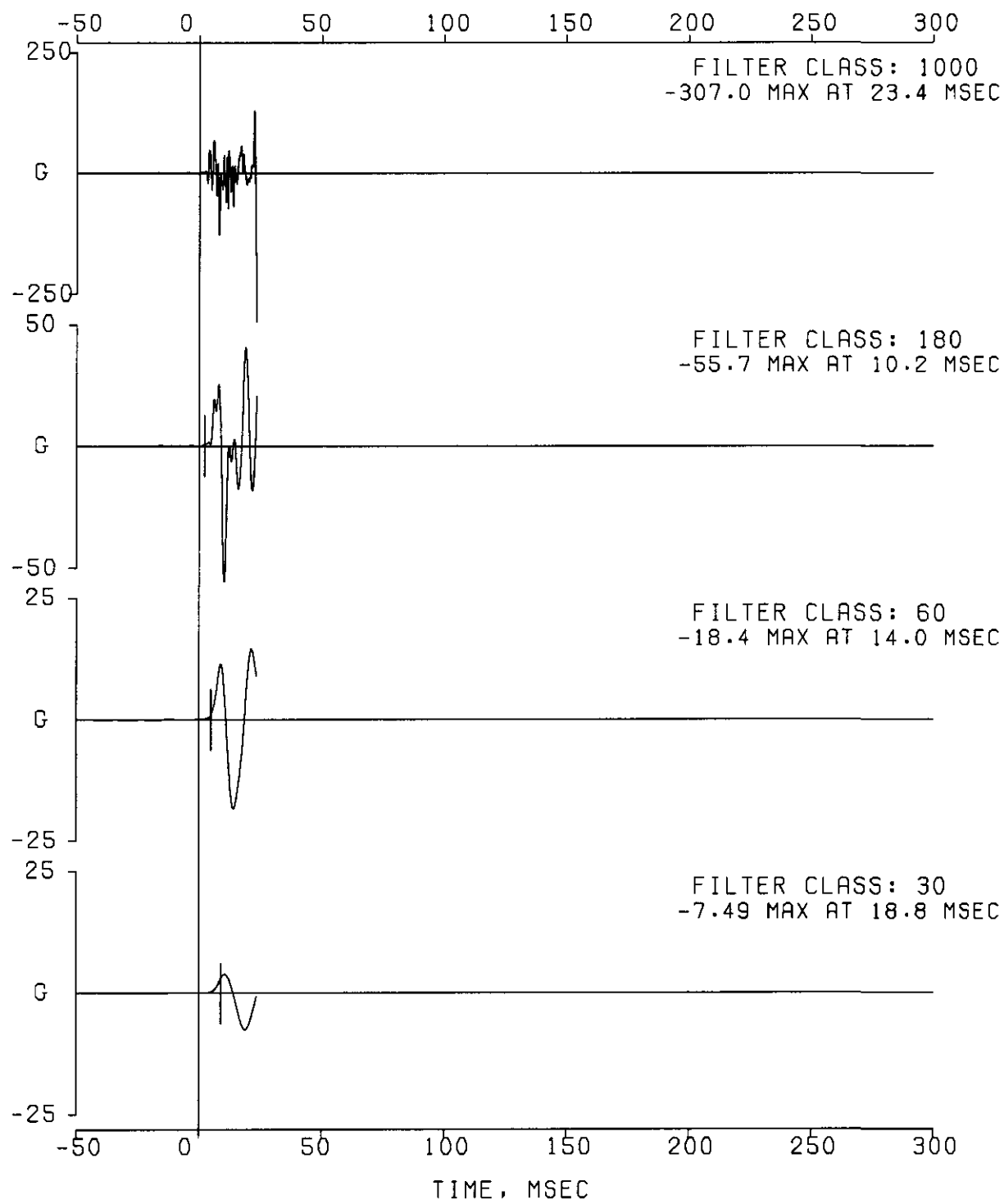
COMPUTED MPH
COMPUTED IN



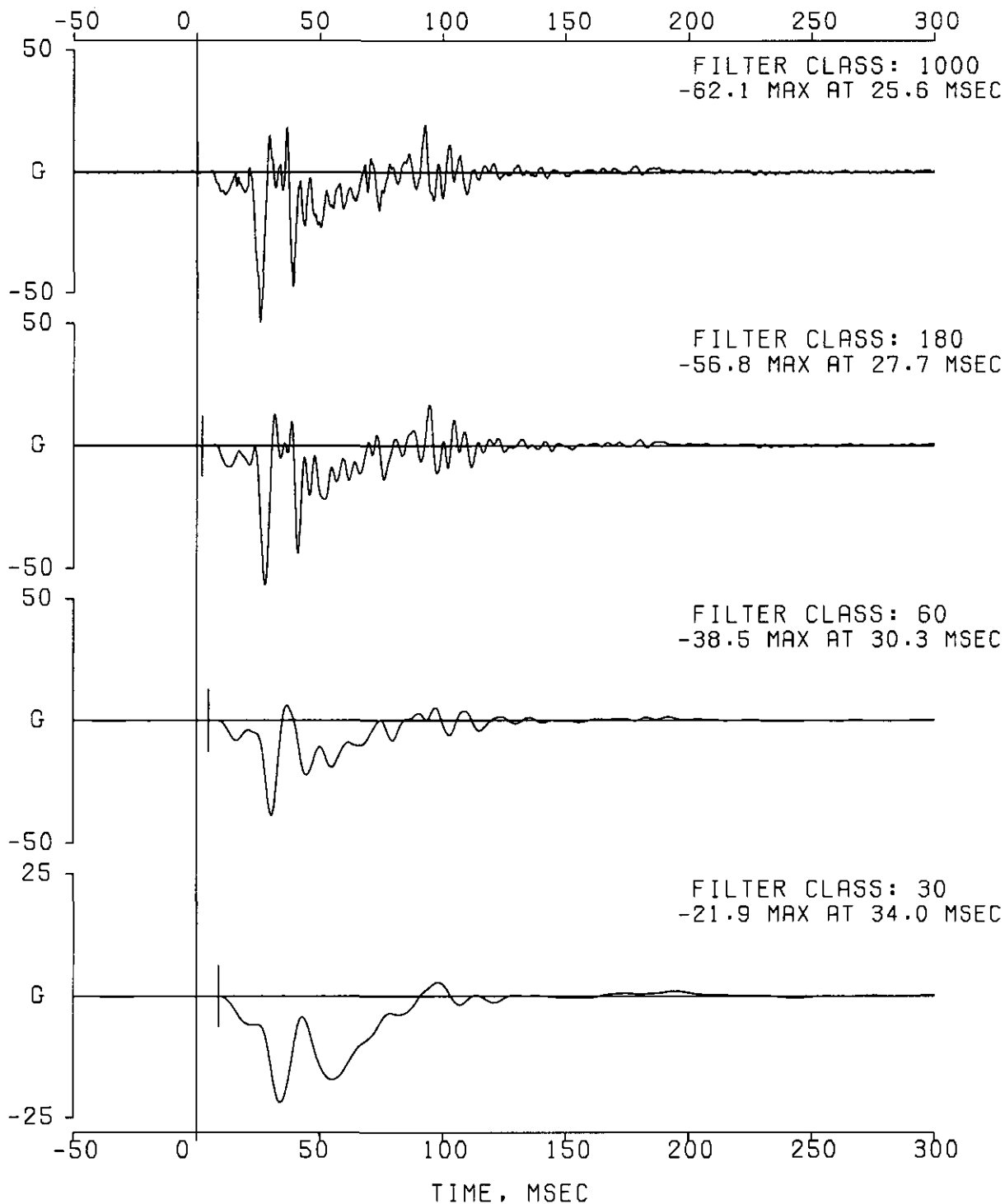
***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 17.2 MS *****

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 010 SWINGGATE INTR LATCH Z OA06F14
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BI
ERRATA 1

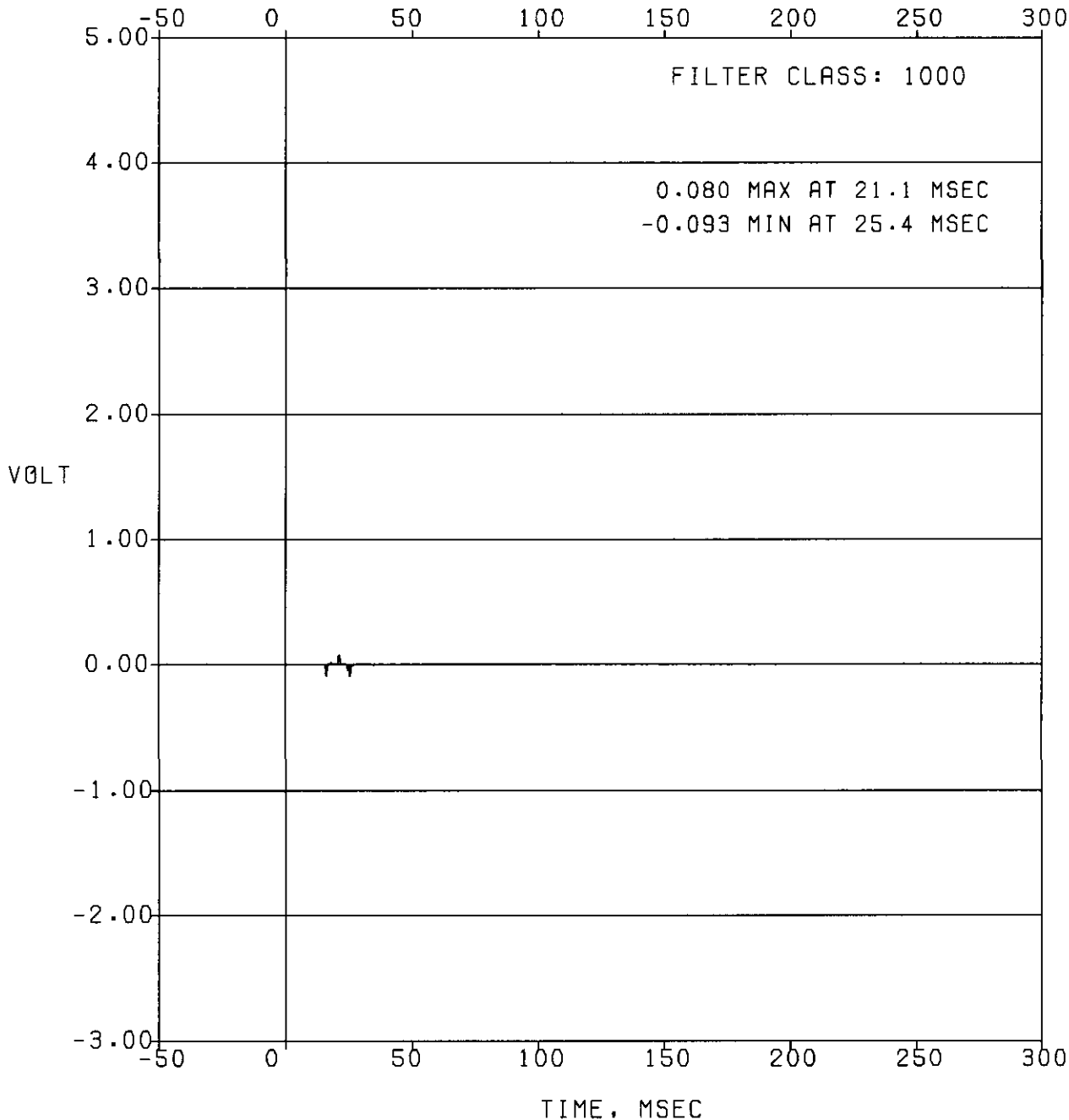


***** CAUTION *****
***** INST. MALFUNCTION AFTER 23.4 MS *****



CHANNEL 019 ACM SAFING SENSOR

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 05/17/00BJ
MAY 18,2000 ERRATA 1

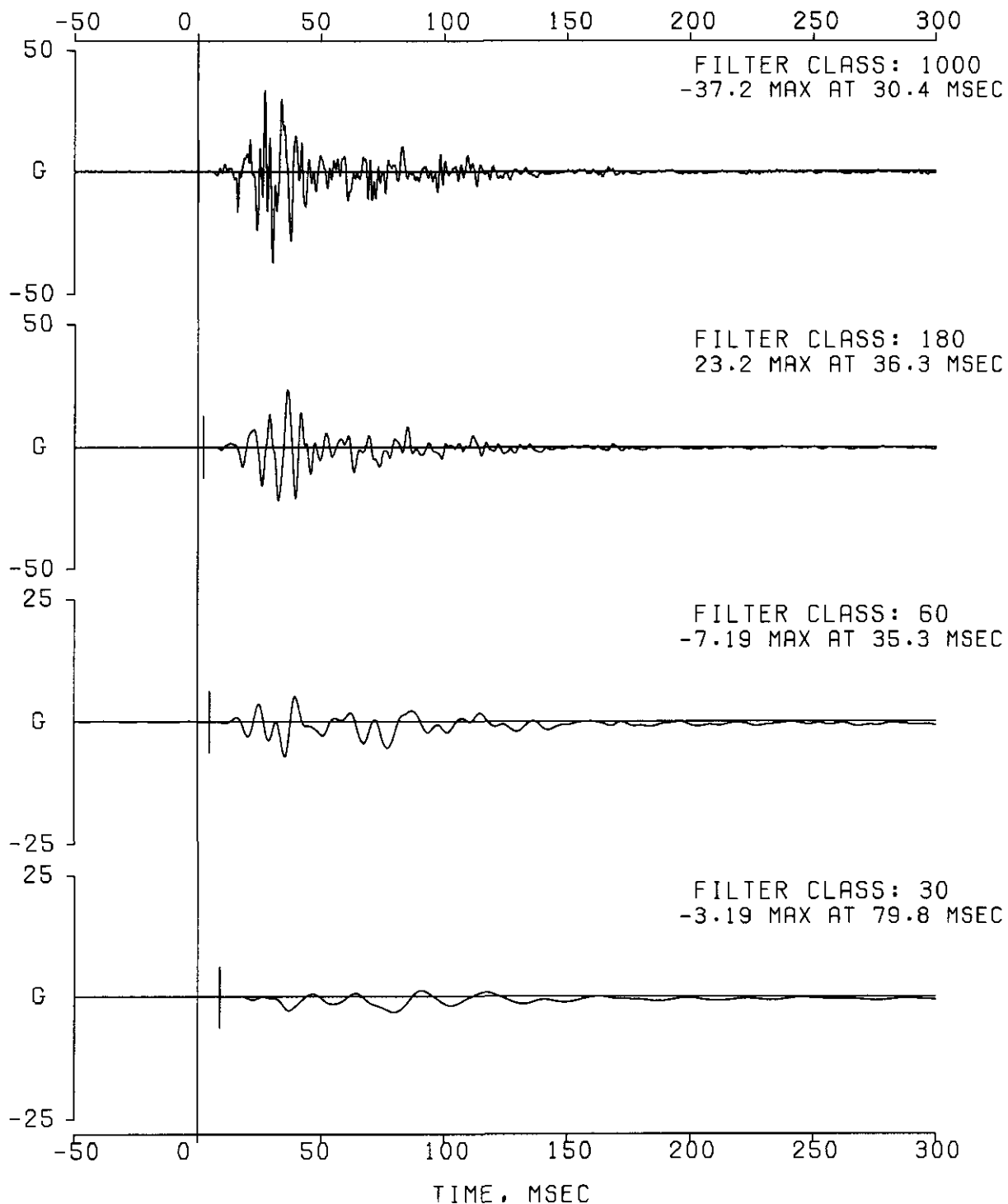


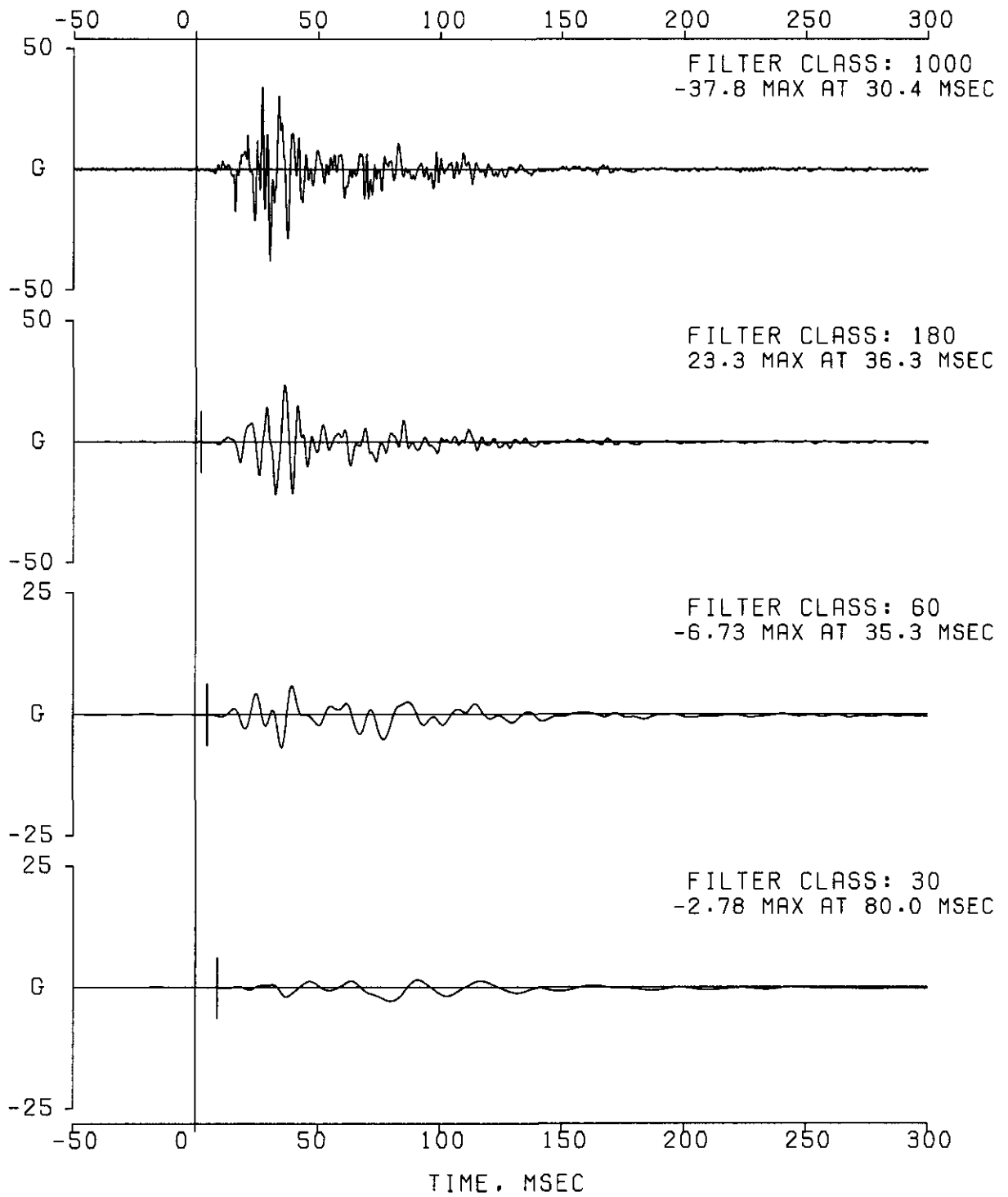
***** NOTE *****
***** NO EVENT *****

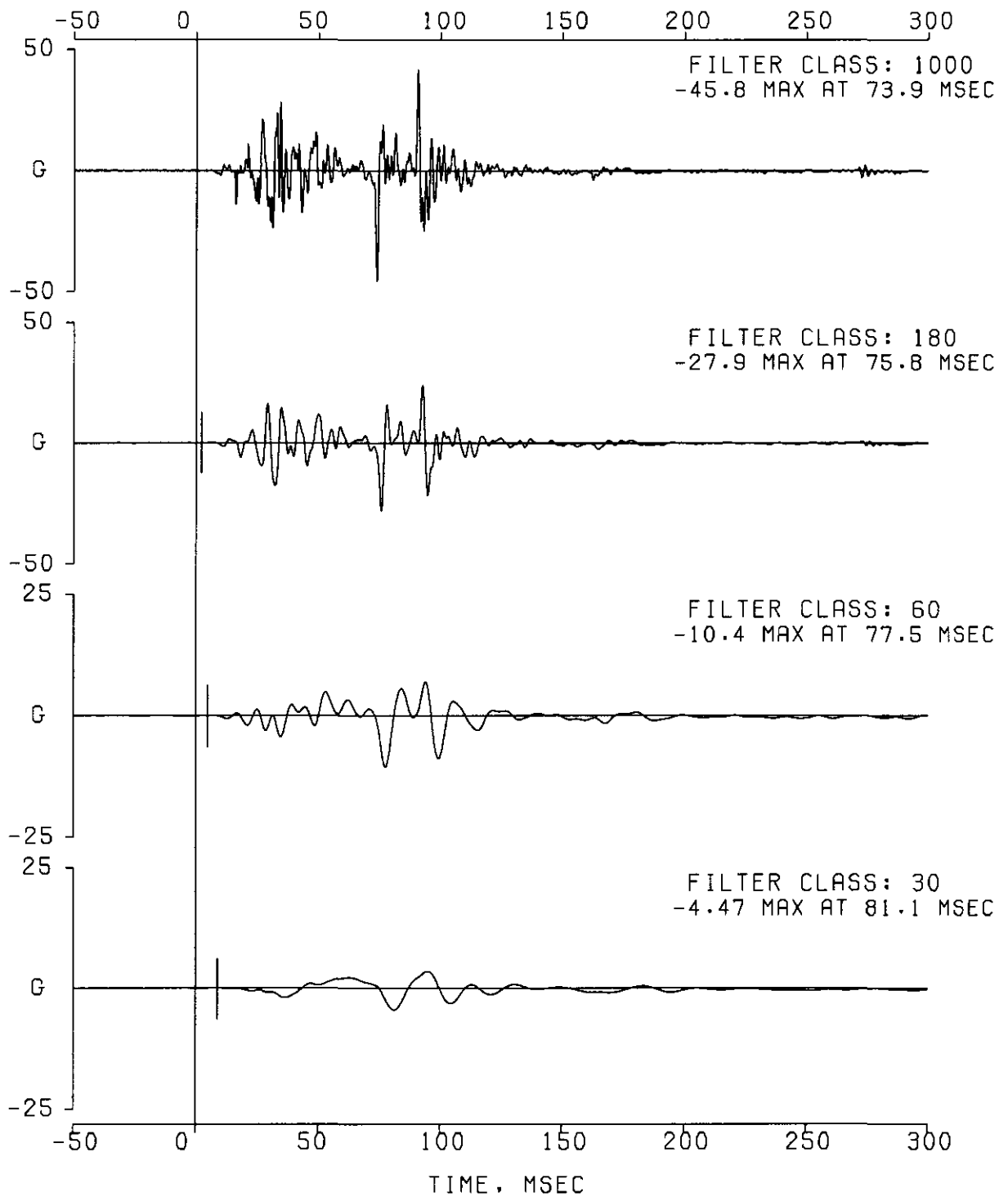
VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 020 LT SIACM INT ACCEL1 G EE
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

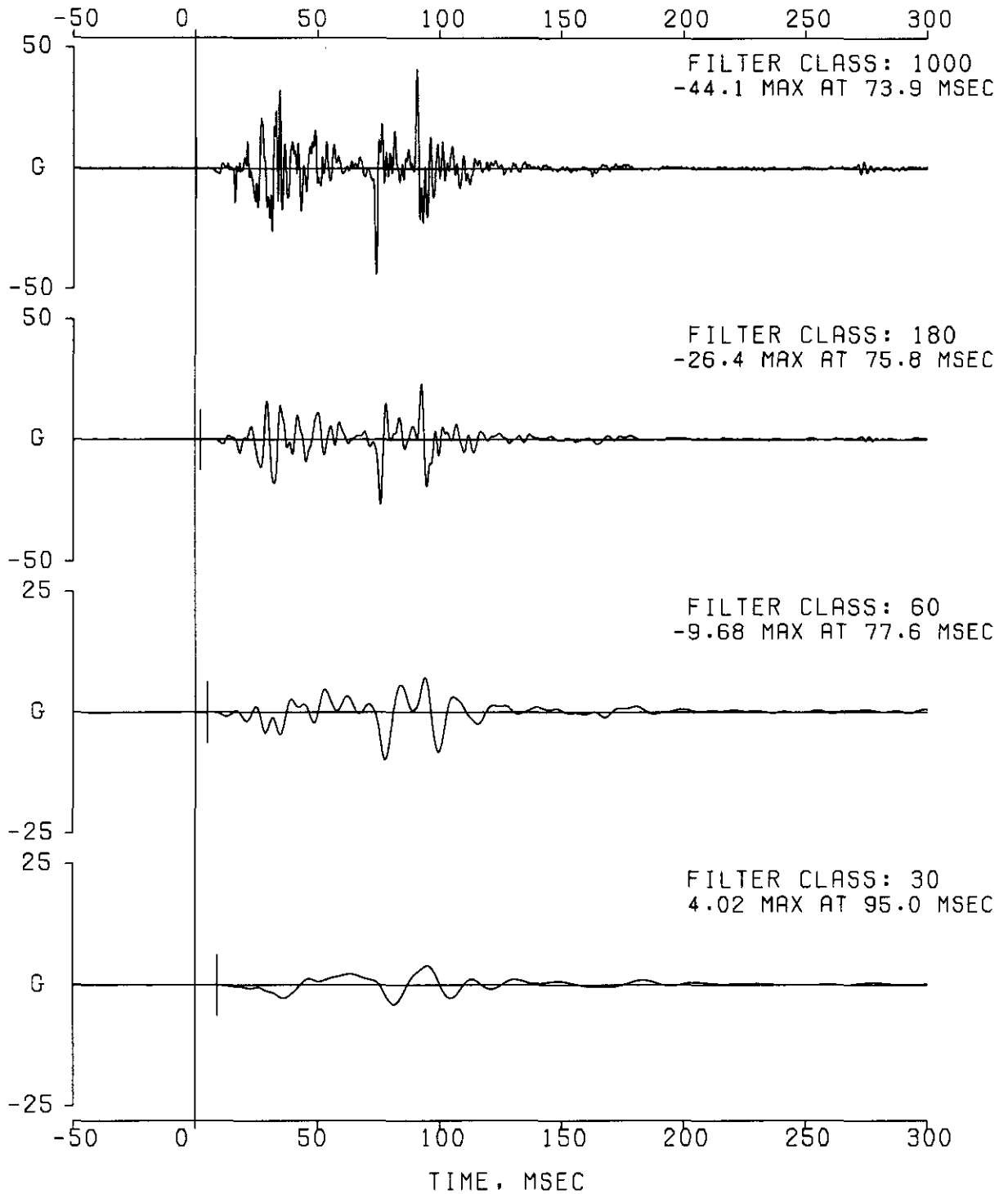
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ERRATA 1





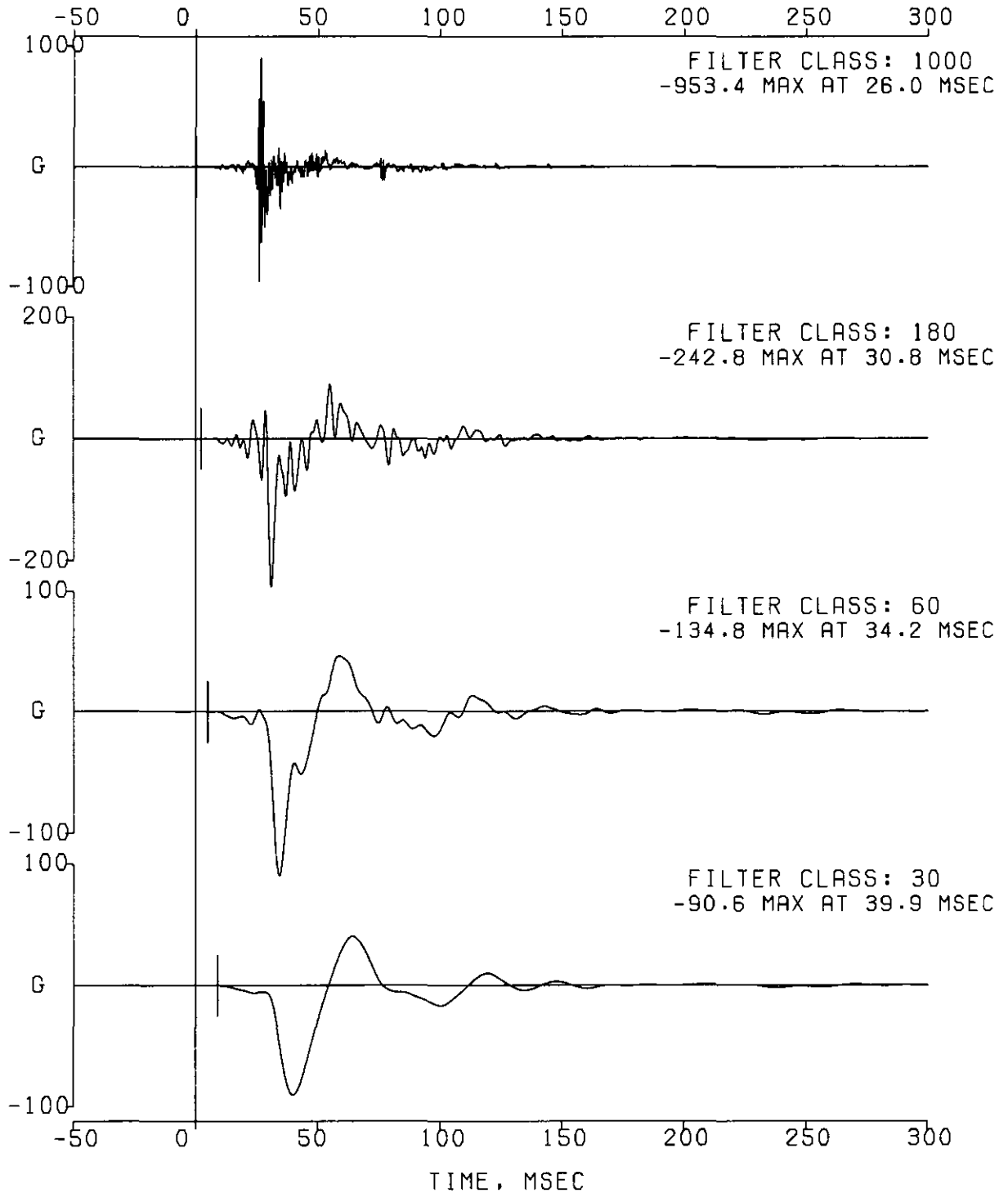




VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 024 FUEL TANK CTR BTM X J29428
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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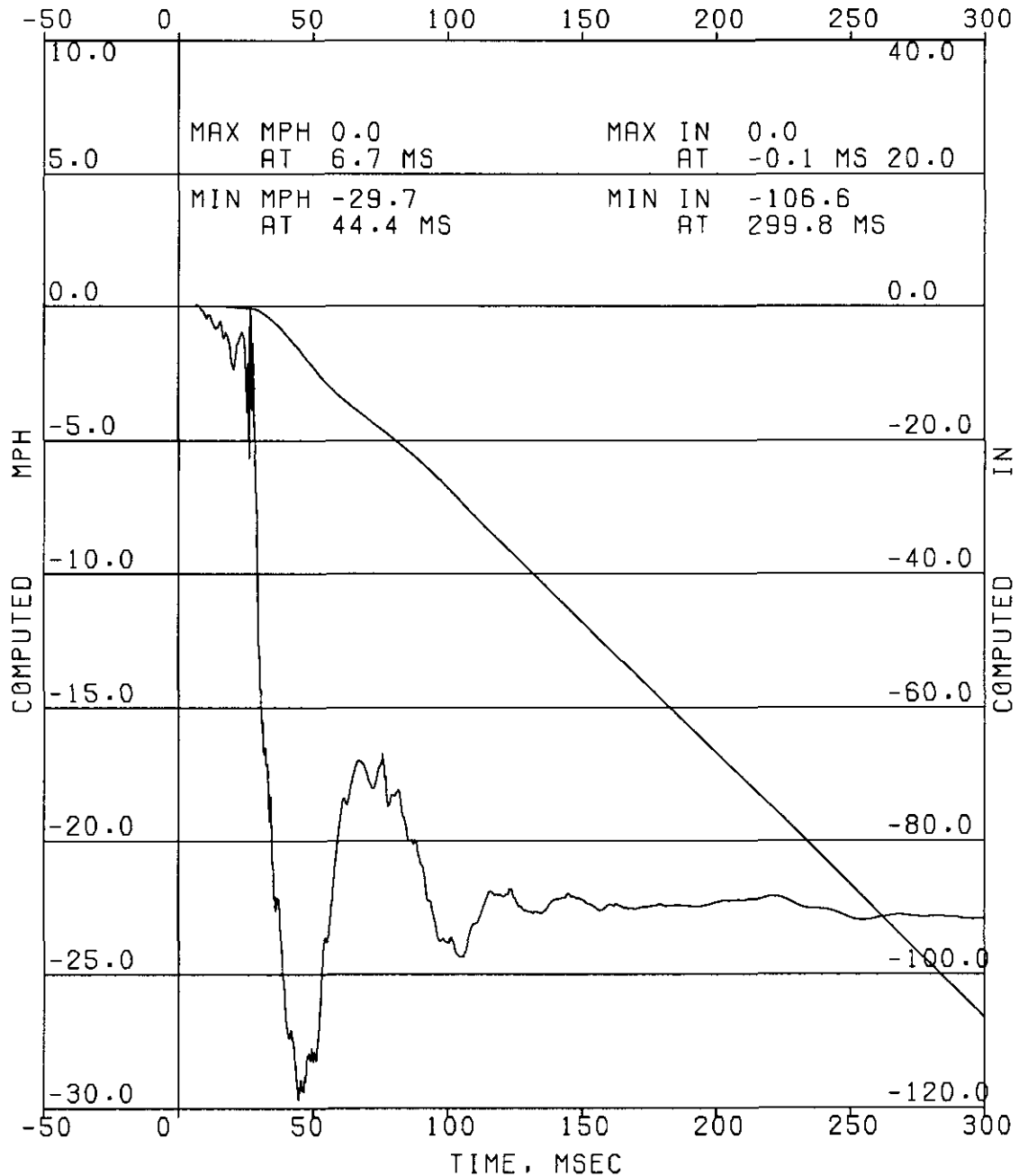


***** CAUTION *****
***** CHL 24 FUEL TANK CTR BTM X J29428, IS SATURATED AT *****
***** 25.9 *****
***** 26.0 *****

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

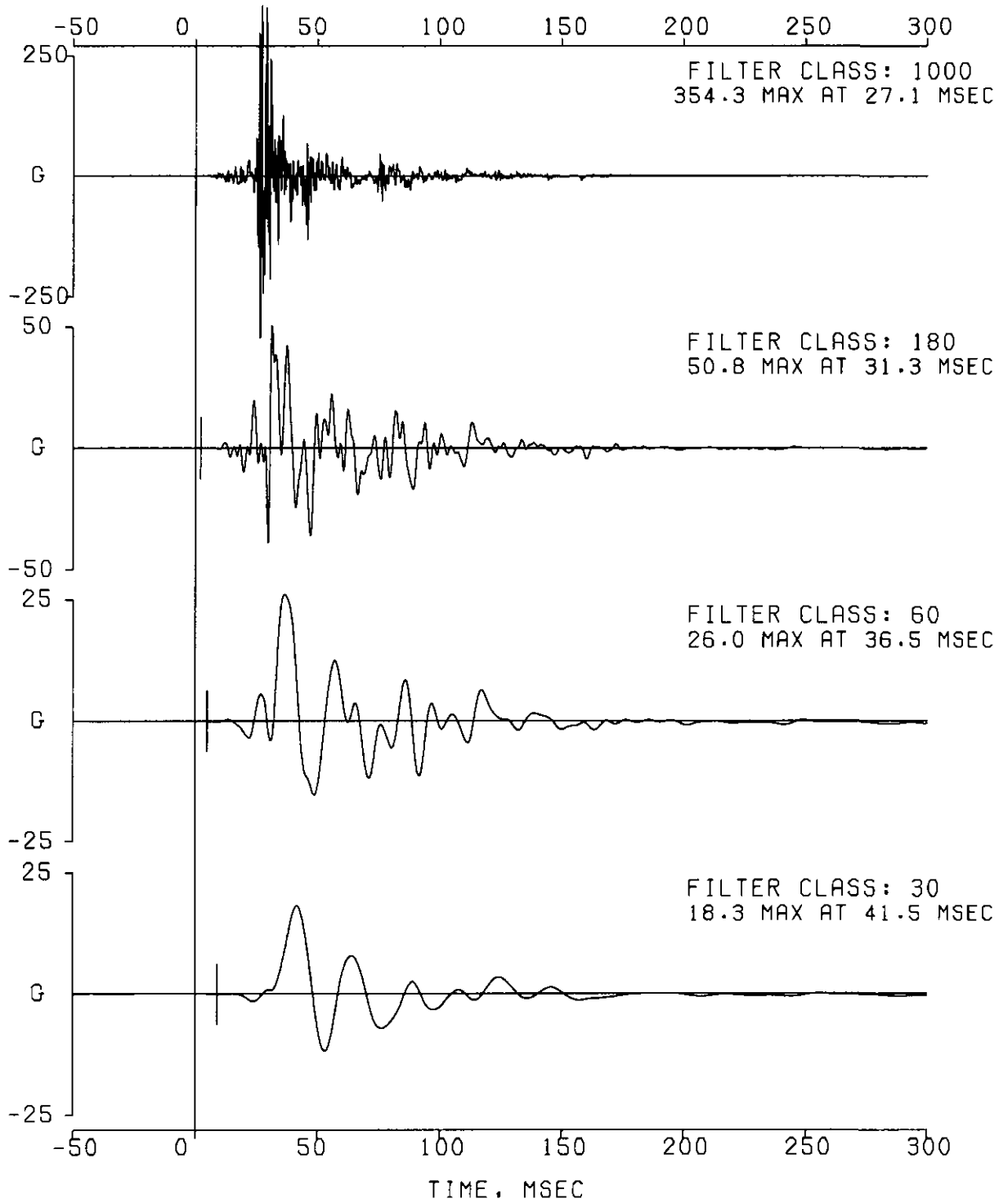
IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BJ
ERRATA 1



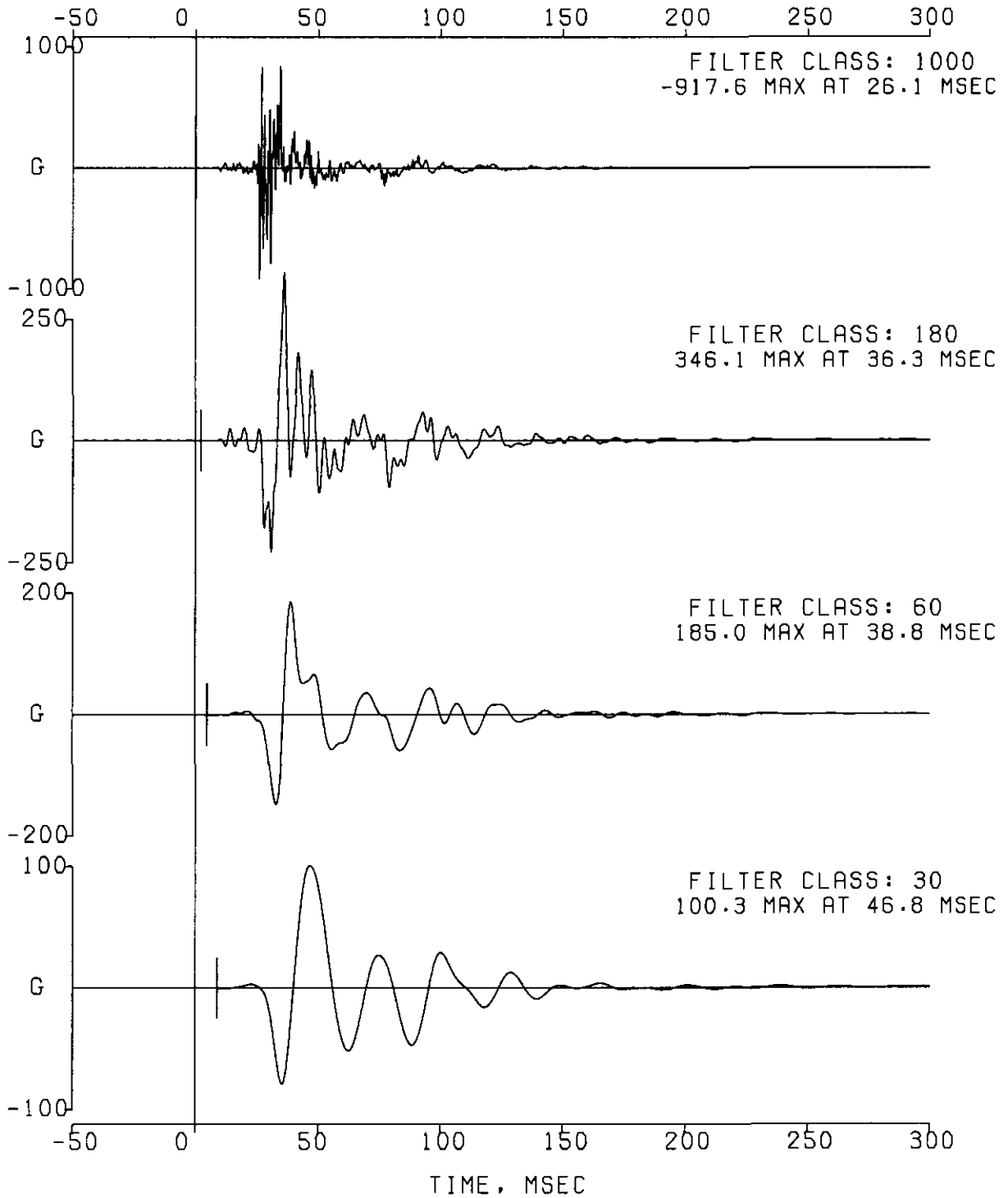
***** CAUTION *****
***** CHL 24 FUEL TANK CTR BTM X J29428. IS SATURATED AT *****
***** 25.9 *****
***** 26.0 *****

COMPUTED MPH
COMPUTED IN

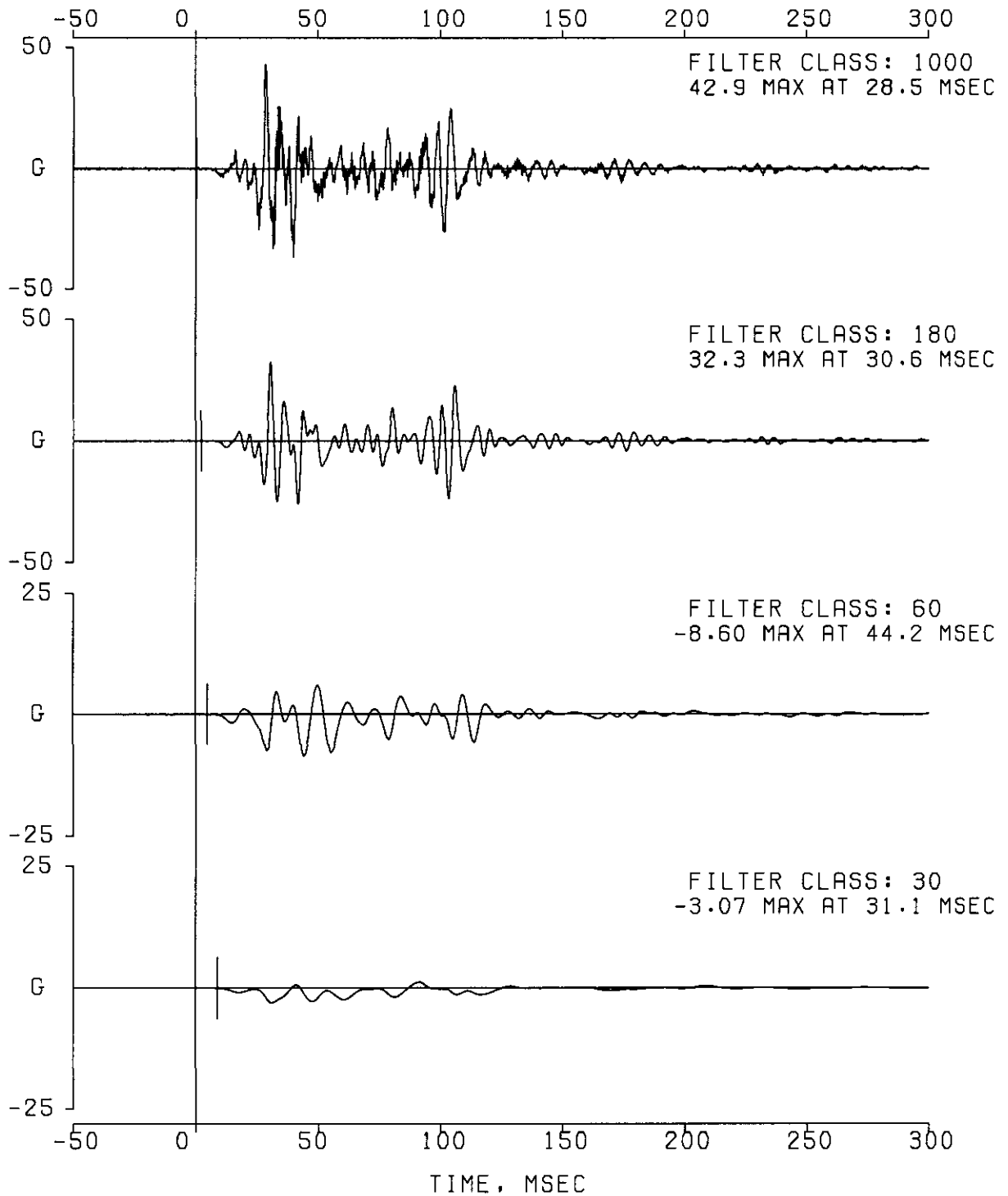


VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 026 FUEL TANK CTR BTM Z J15193
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BJ
ERRATA 1



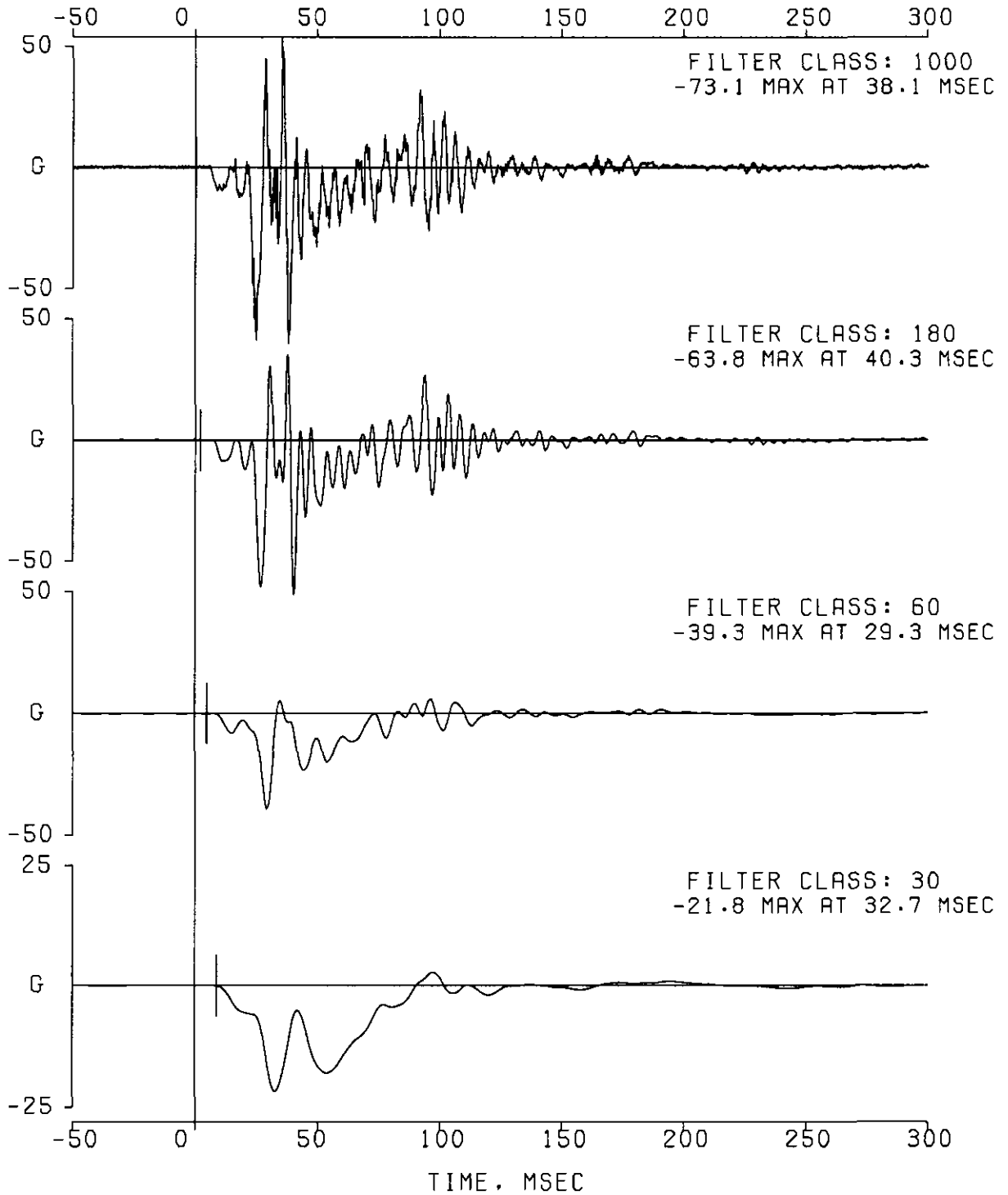
***** CAUTION *****
***** CHL 26 FUEL TANK CTR BTM Z J15193, IS SATURATED AT *****
***** 26.8 *****



VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 033 ORC TOP FT LT X P14436
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
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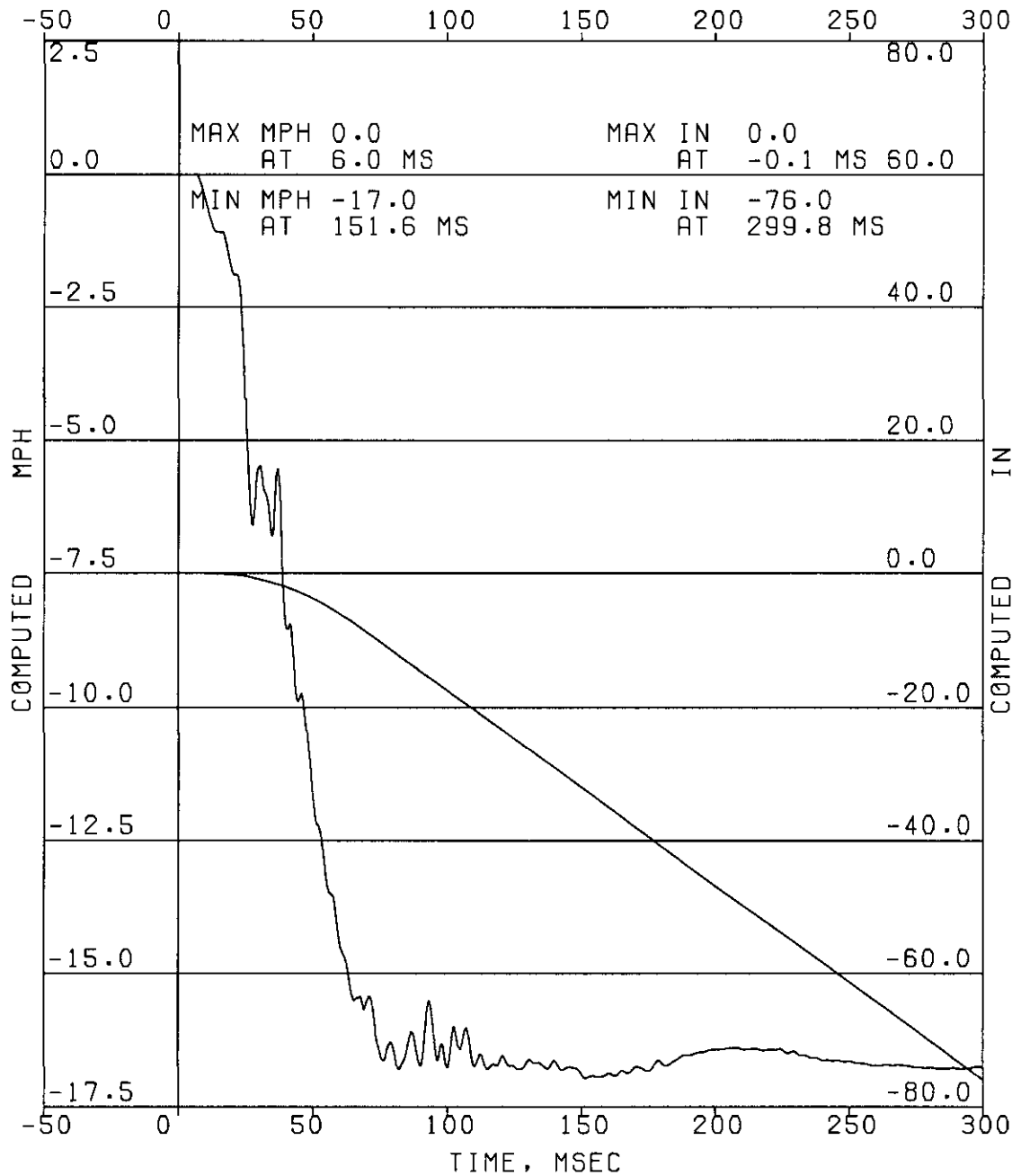
DATA SET 05/17/00BK
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BK
ERRATA 1

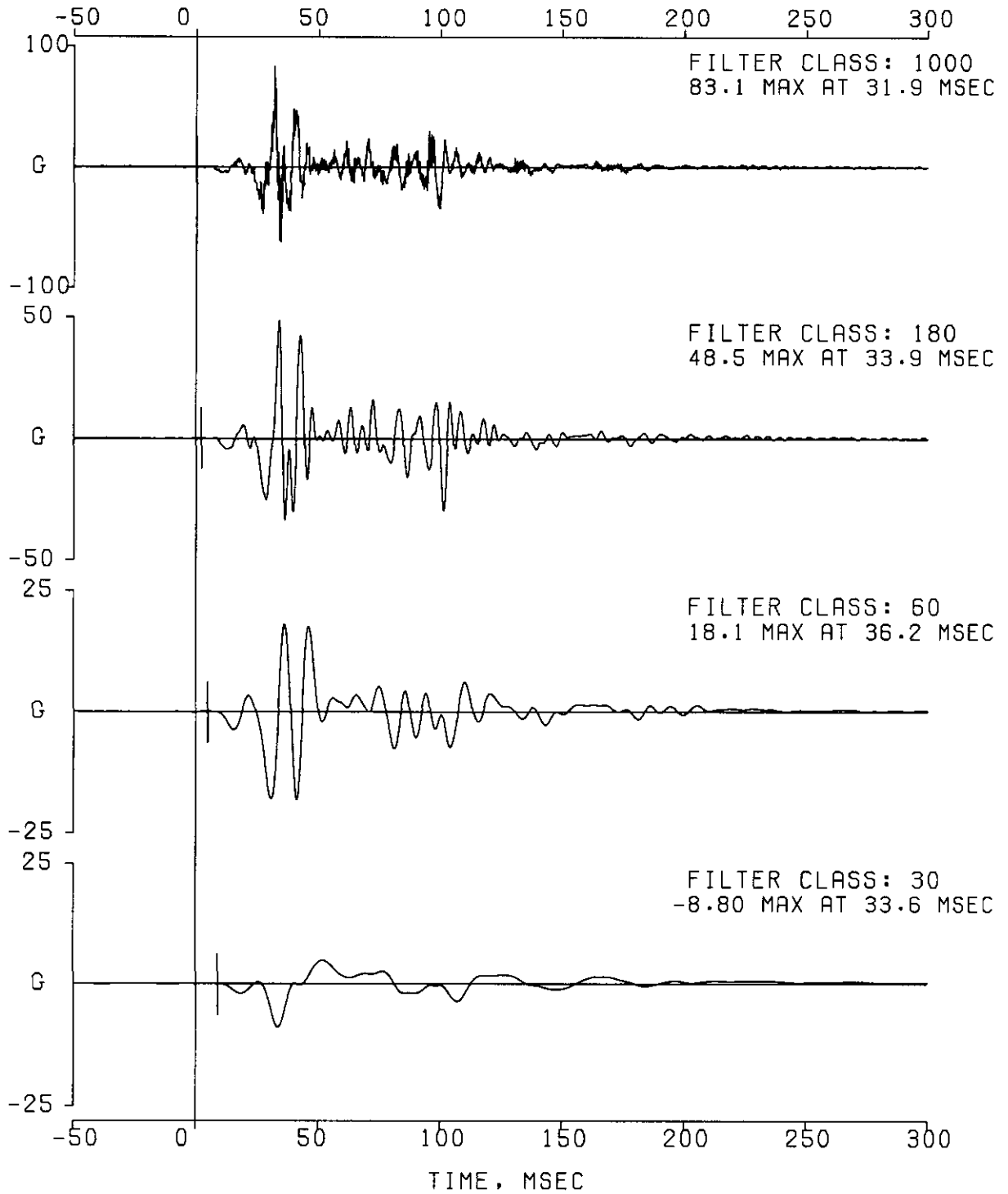


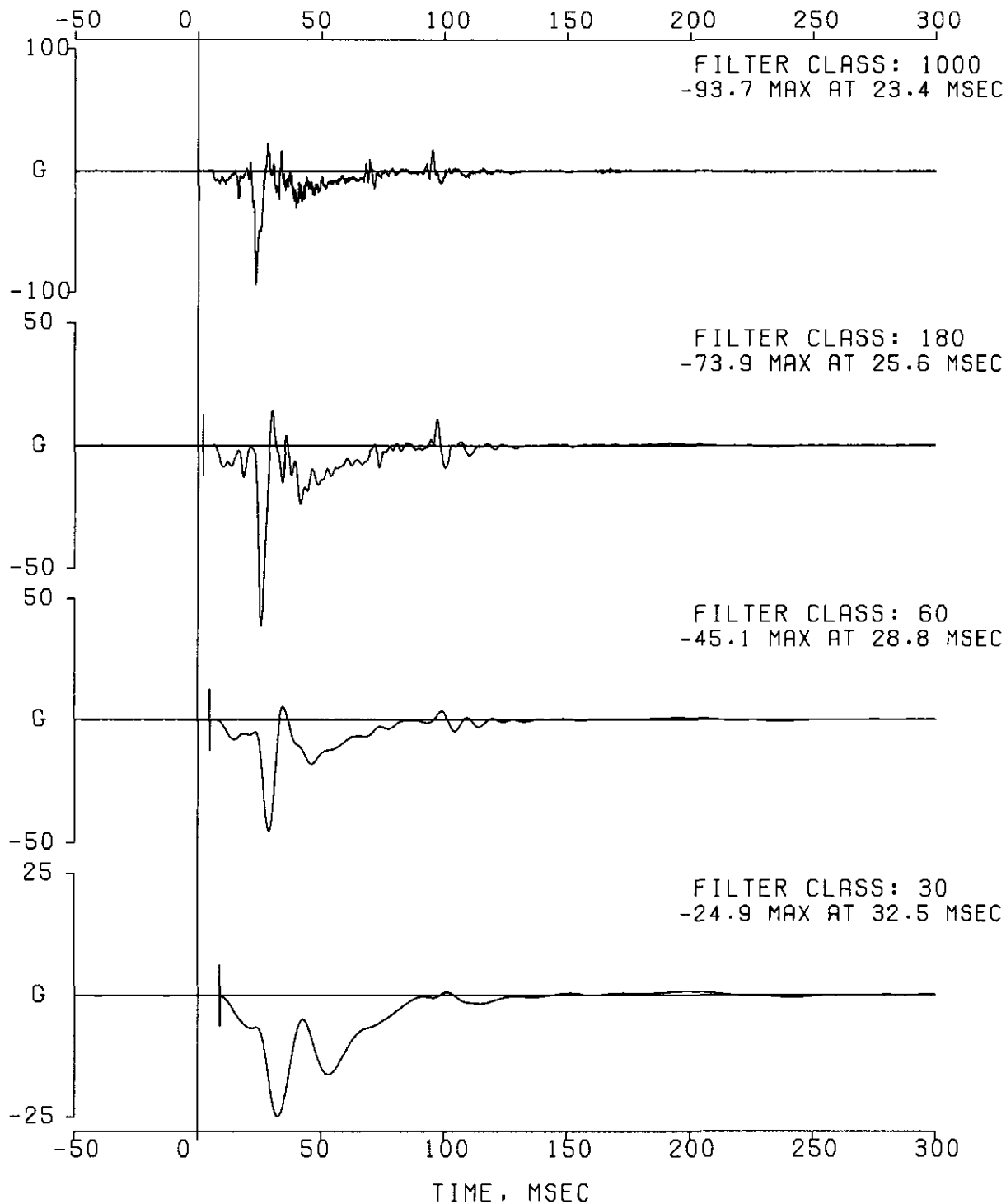
COMPUTED MPH
COMPUTED IN

VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 034 ORC TOP FT LT Z P14361
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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ERRATA 1

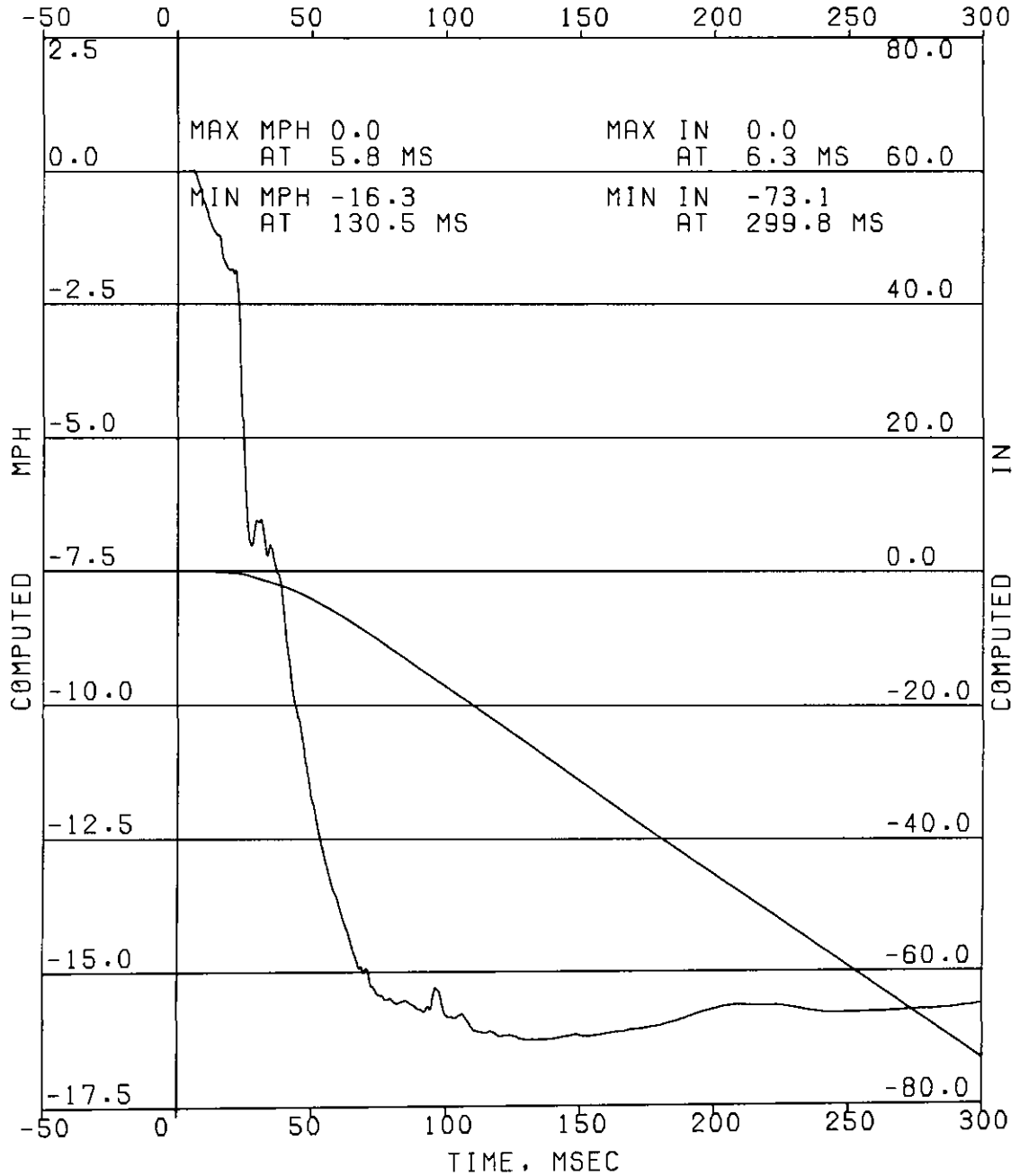




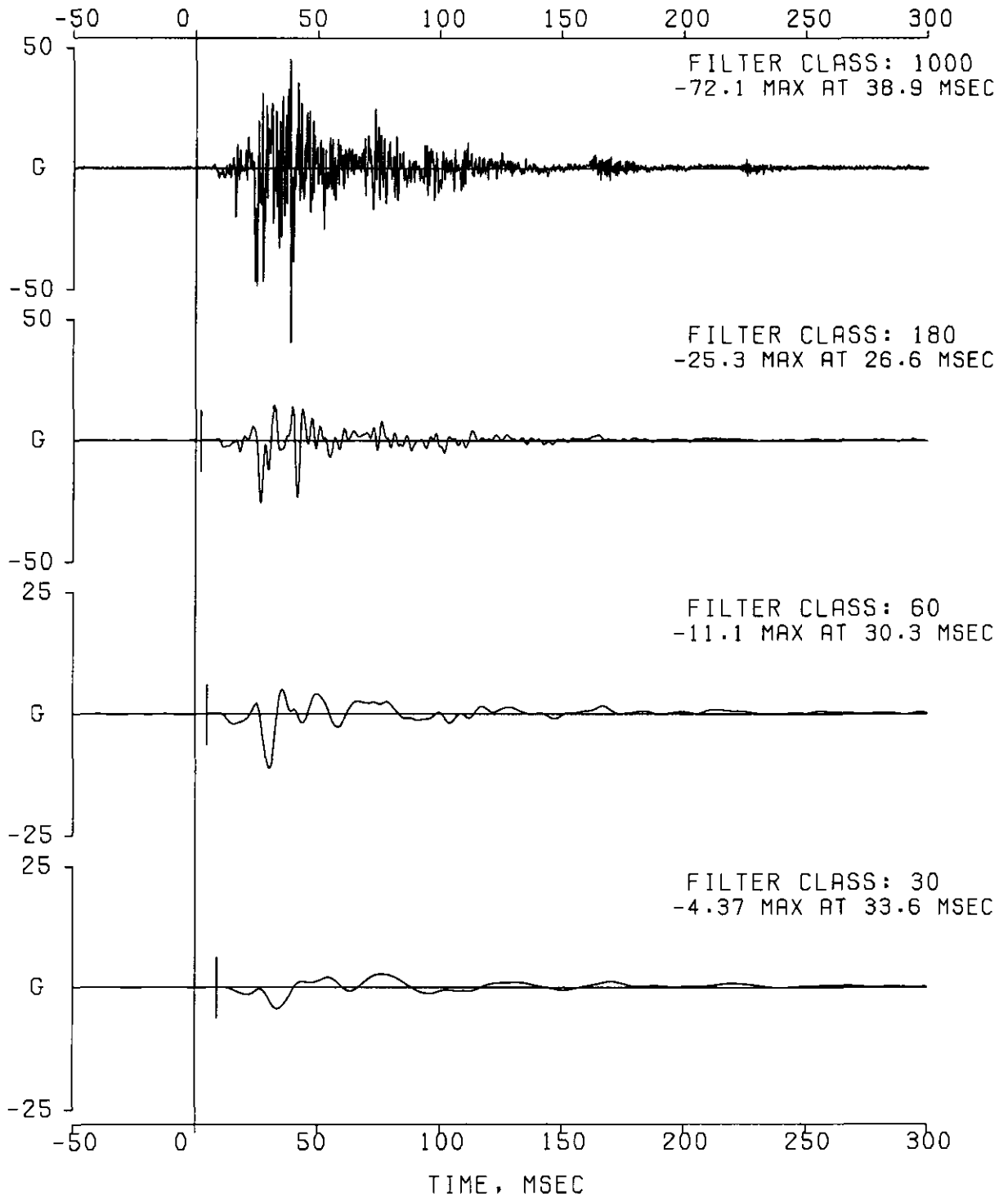
FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BK
ERRATA 1



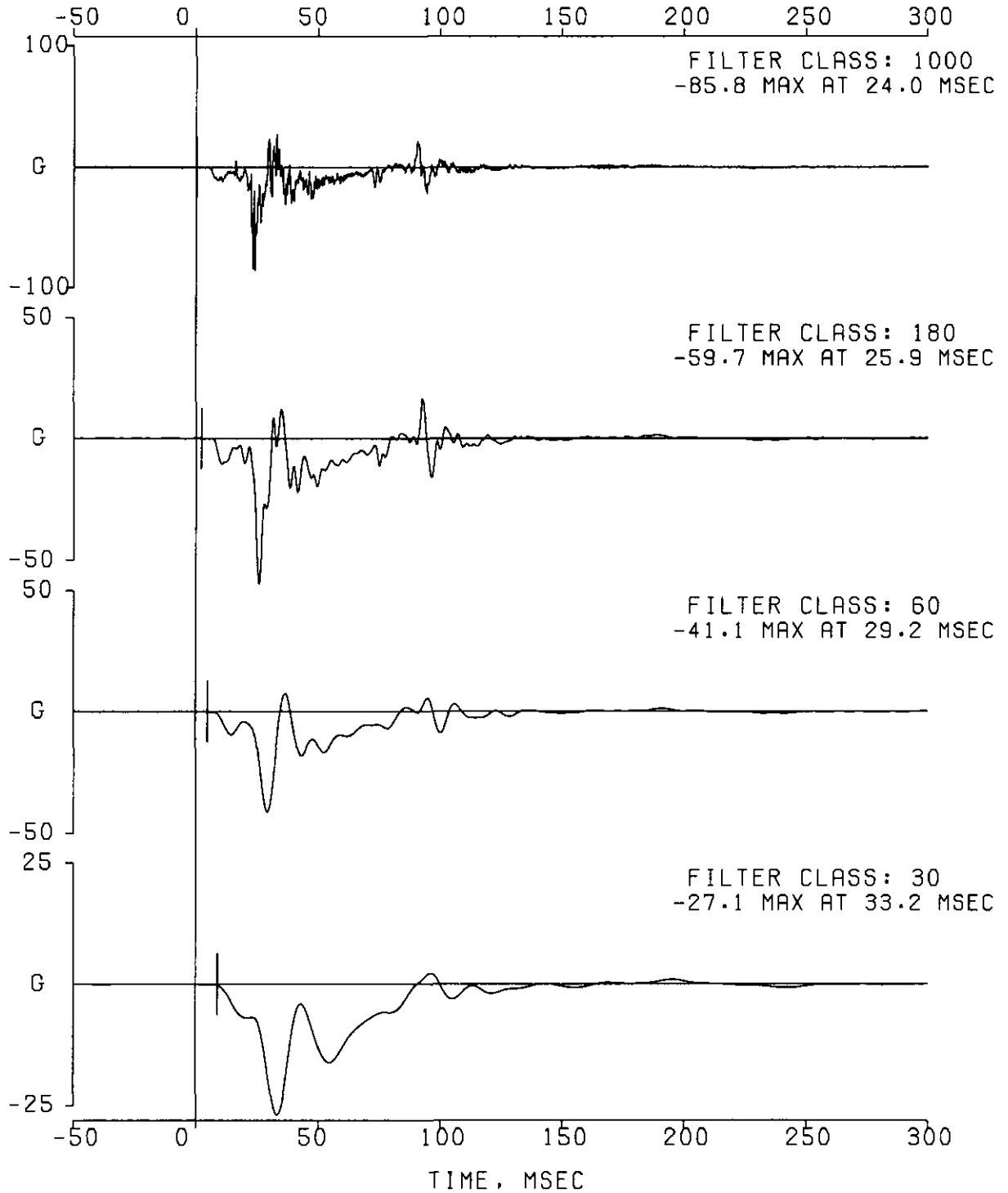
COMPUTED MPH
COMPUTED IN



VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 037 RIGHT FRONT SILL X J27445
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
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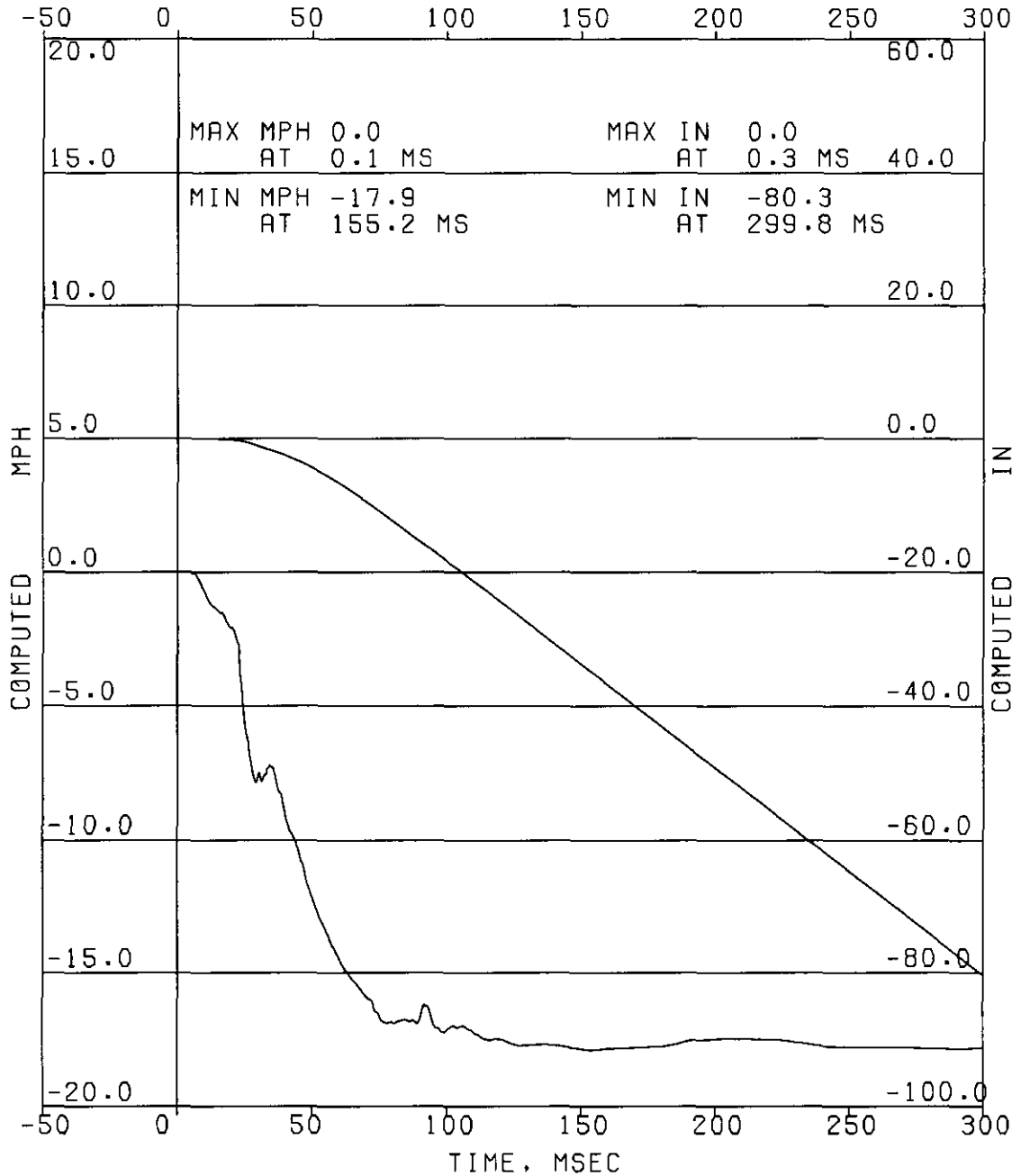
DATA SET 05/17/00BK
ERRATA 1



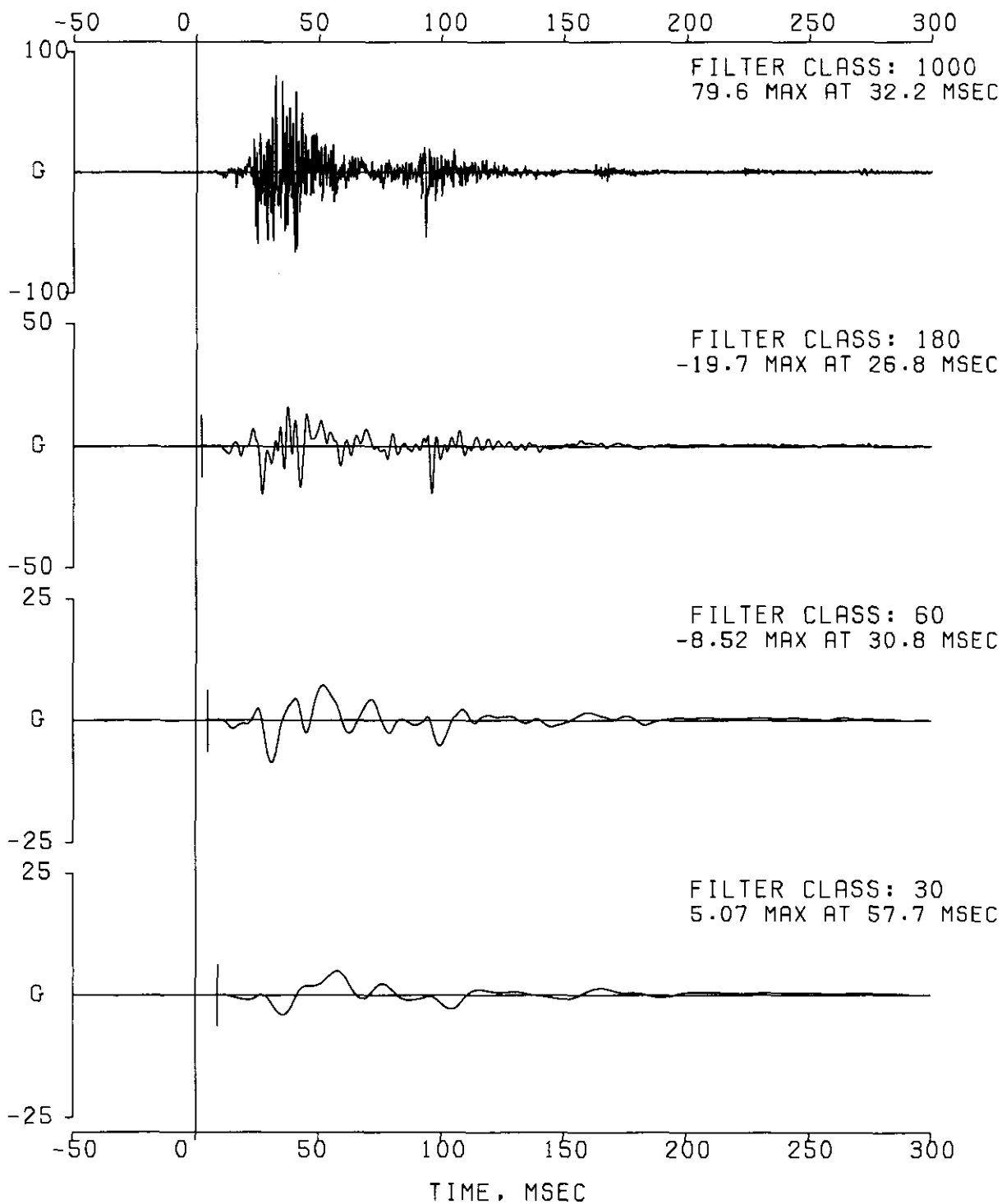
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FILTER CLASS: 1000

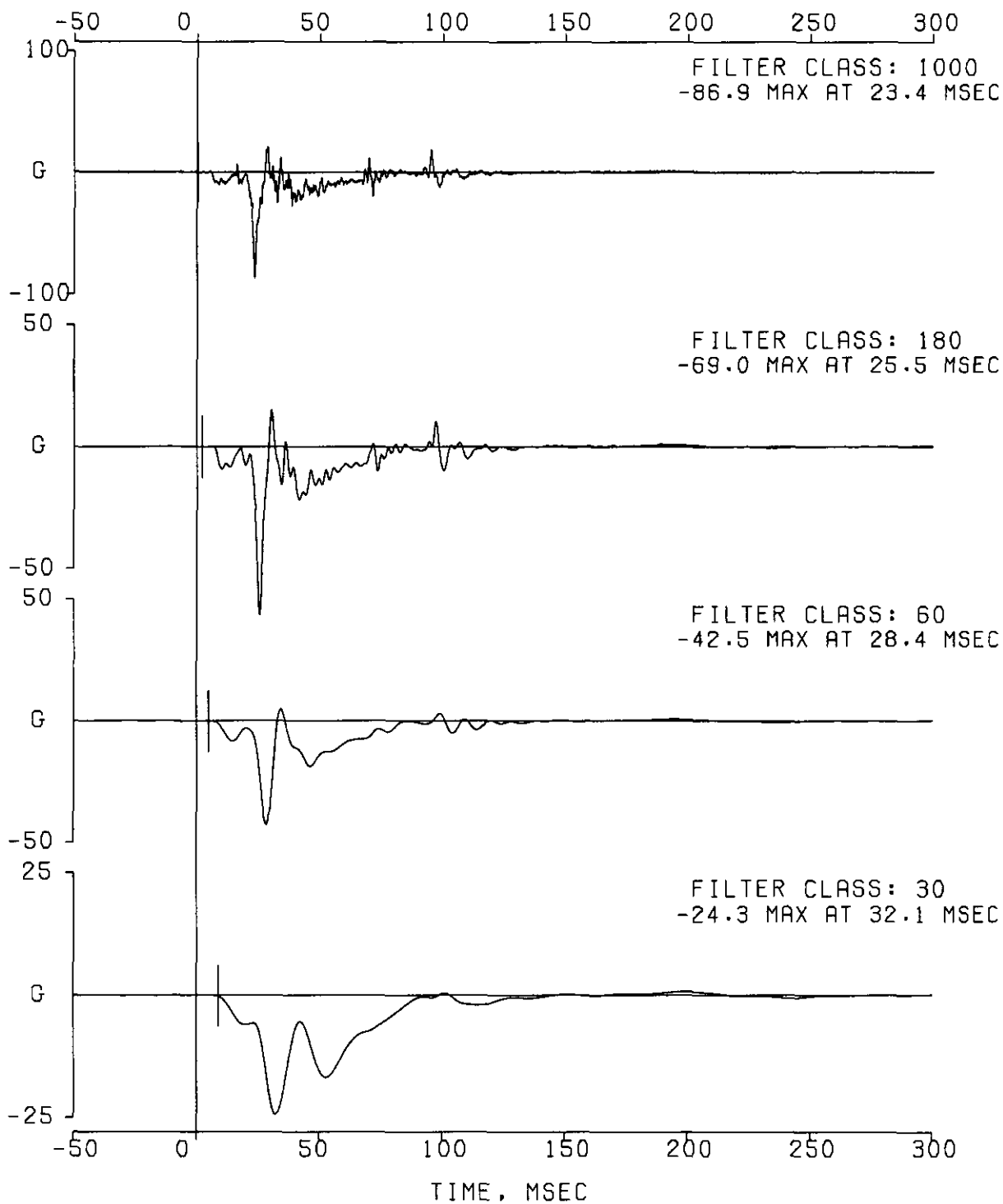
IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BK
ERRATA 1



COMPUTED MPH
COMPUTED IN

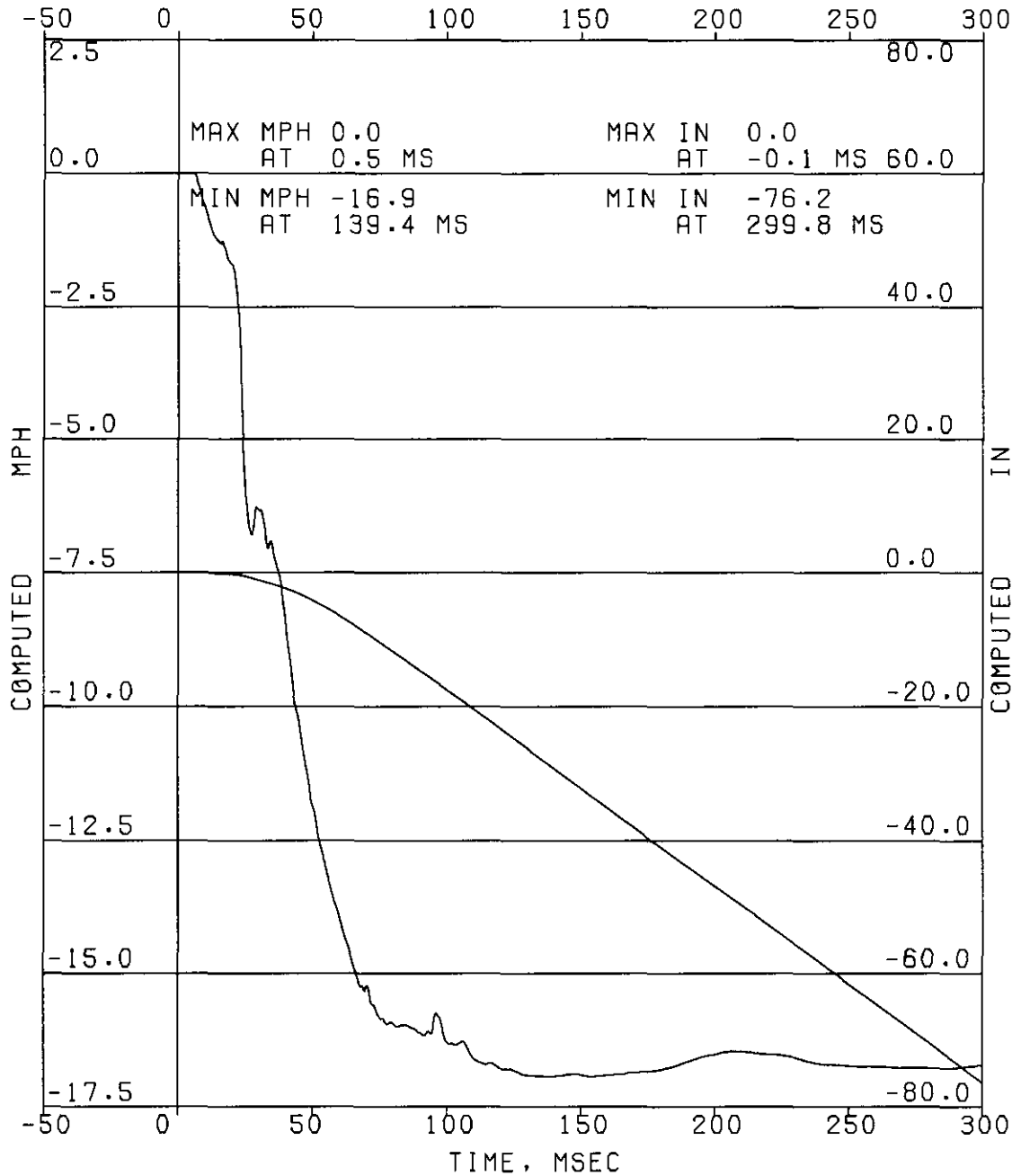




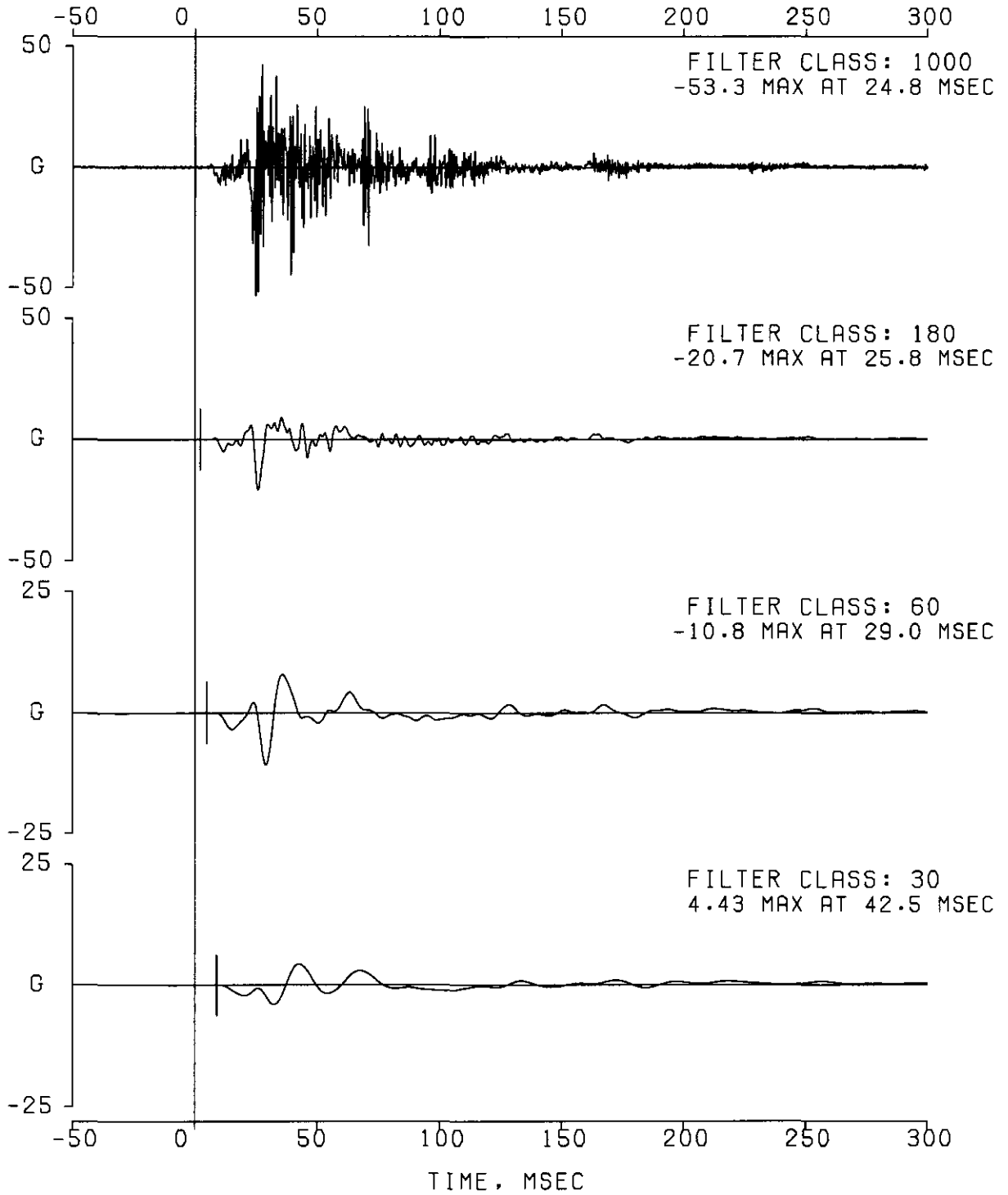
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IMPACT ANALYSIS DEPT. 5320
MAY 18.2000

DATA SET 05/17/00BK
ERRATA 1



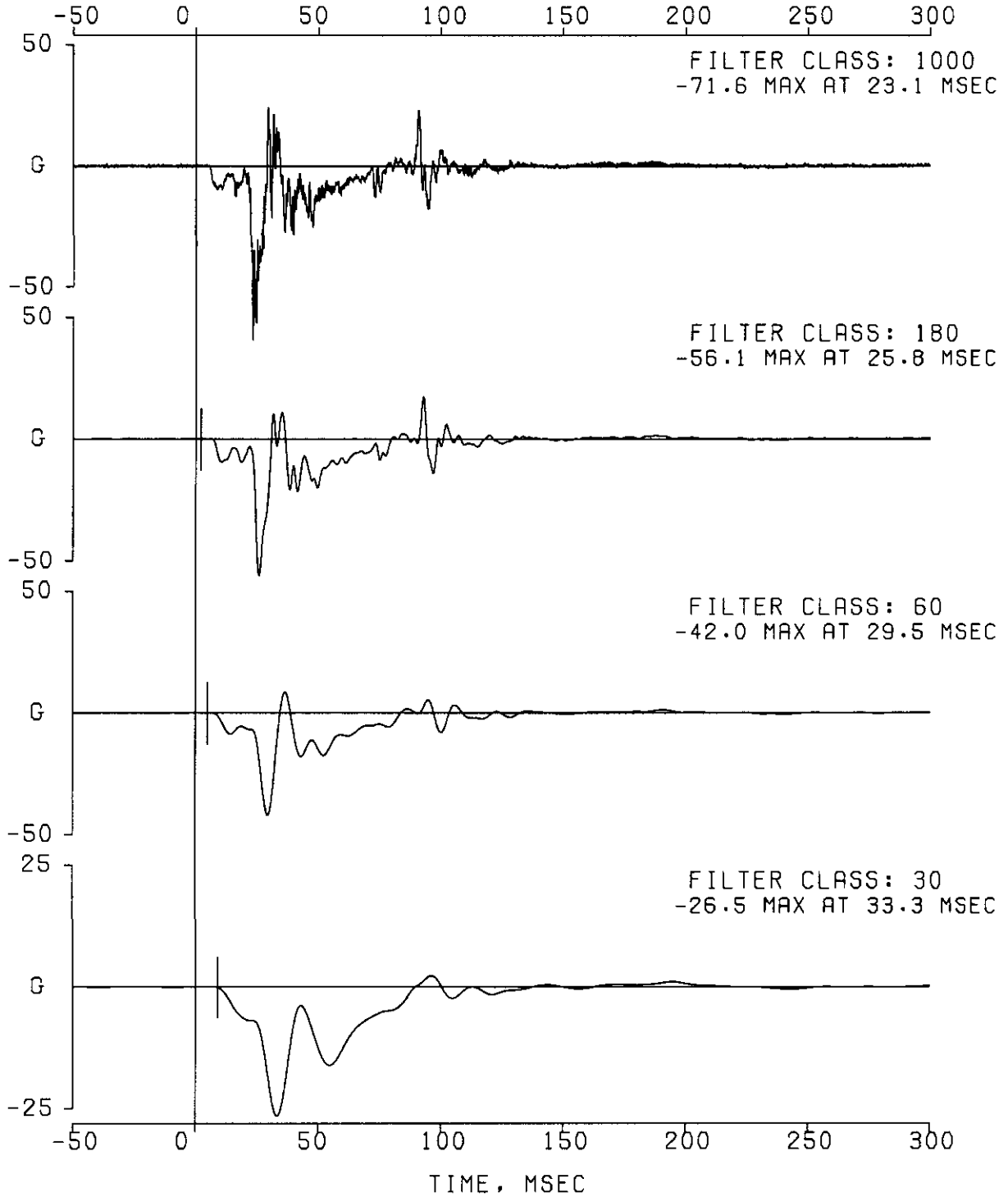
COMPUTED MPH
COMPUTED IN



VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 041 RIGHT MID SILL X P14551
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
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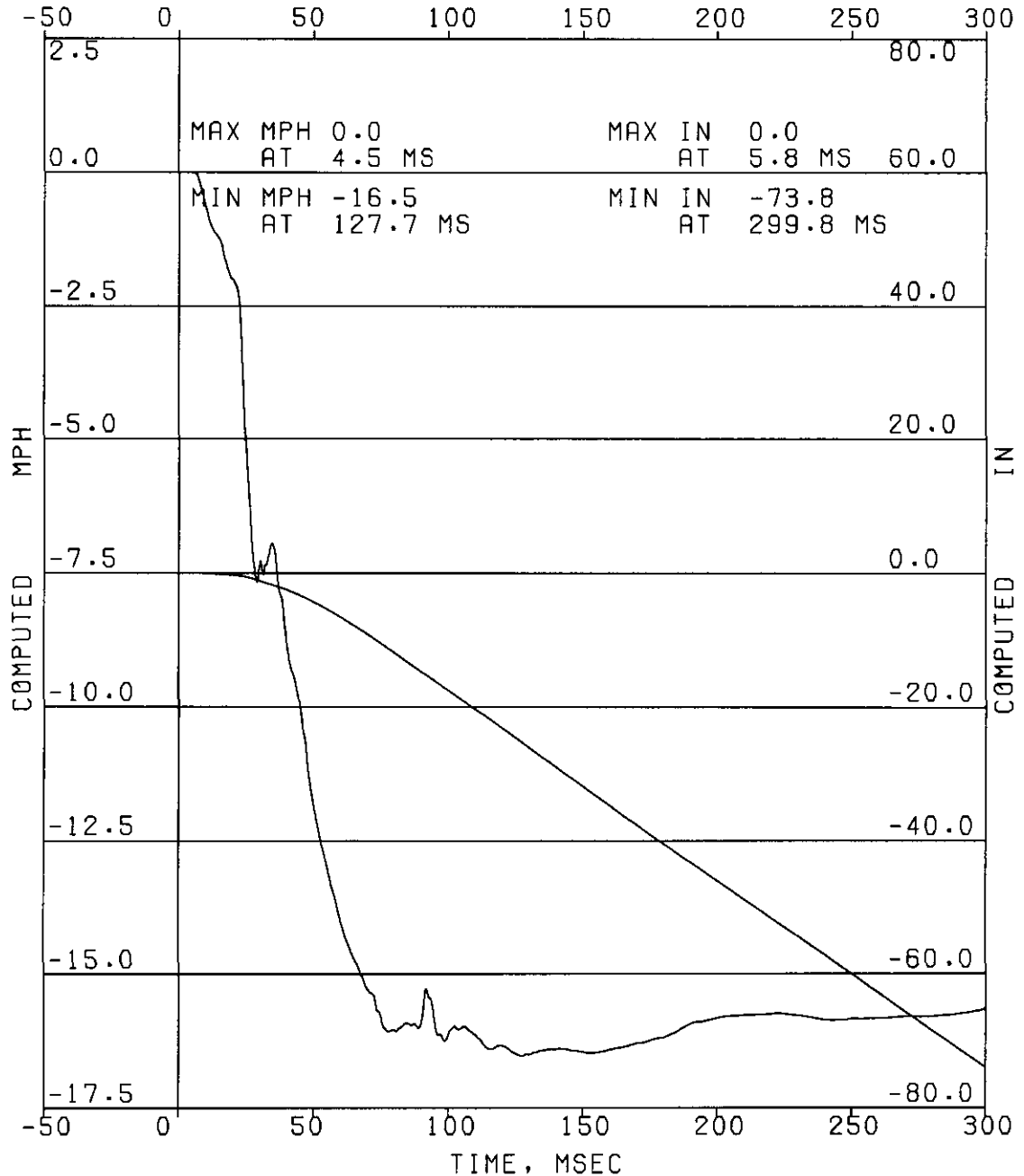
DATA SET 05/17/00BK
ERRATA 1



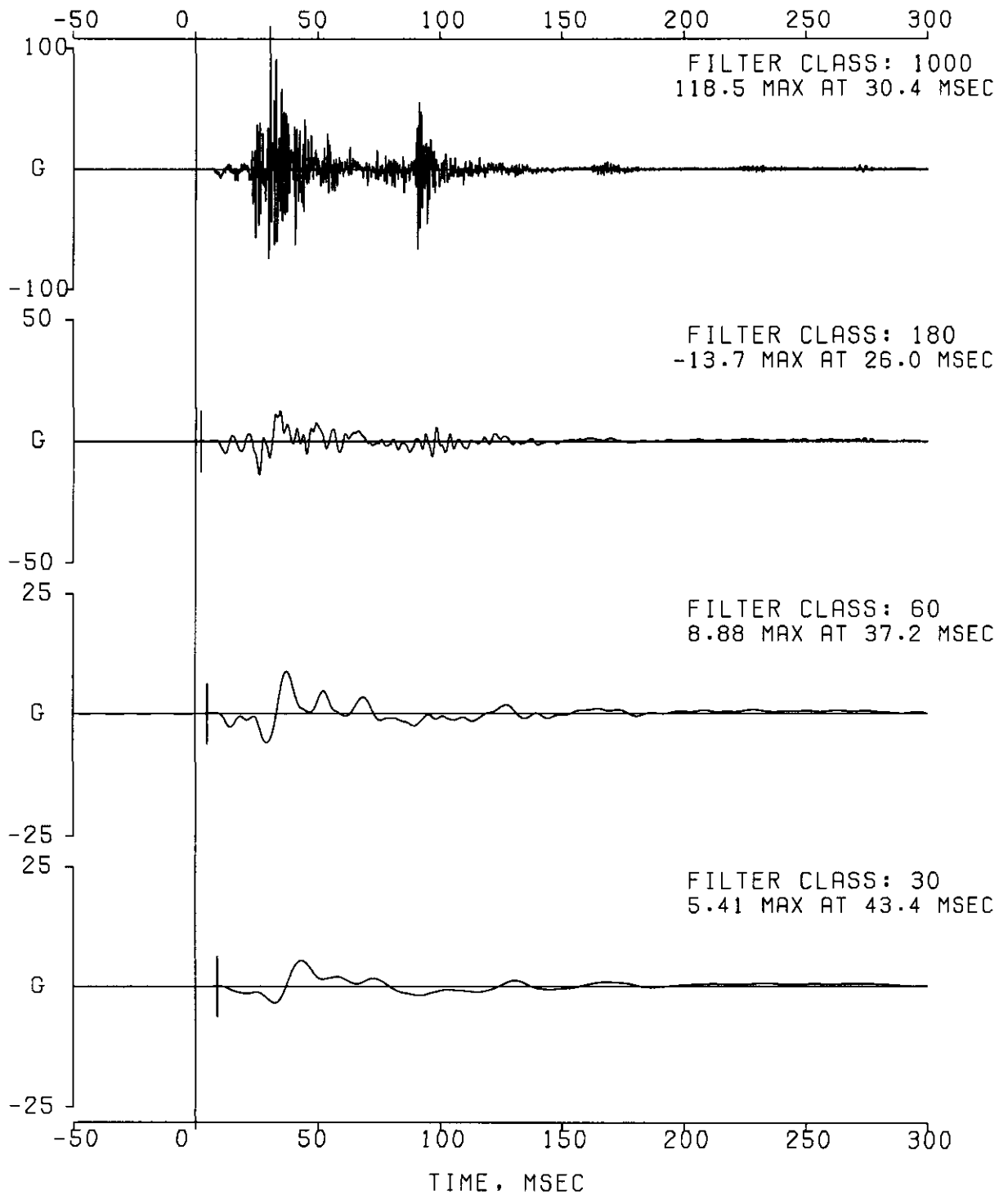
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FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BK
ERRATA 1



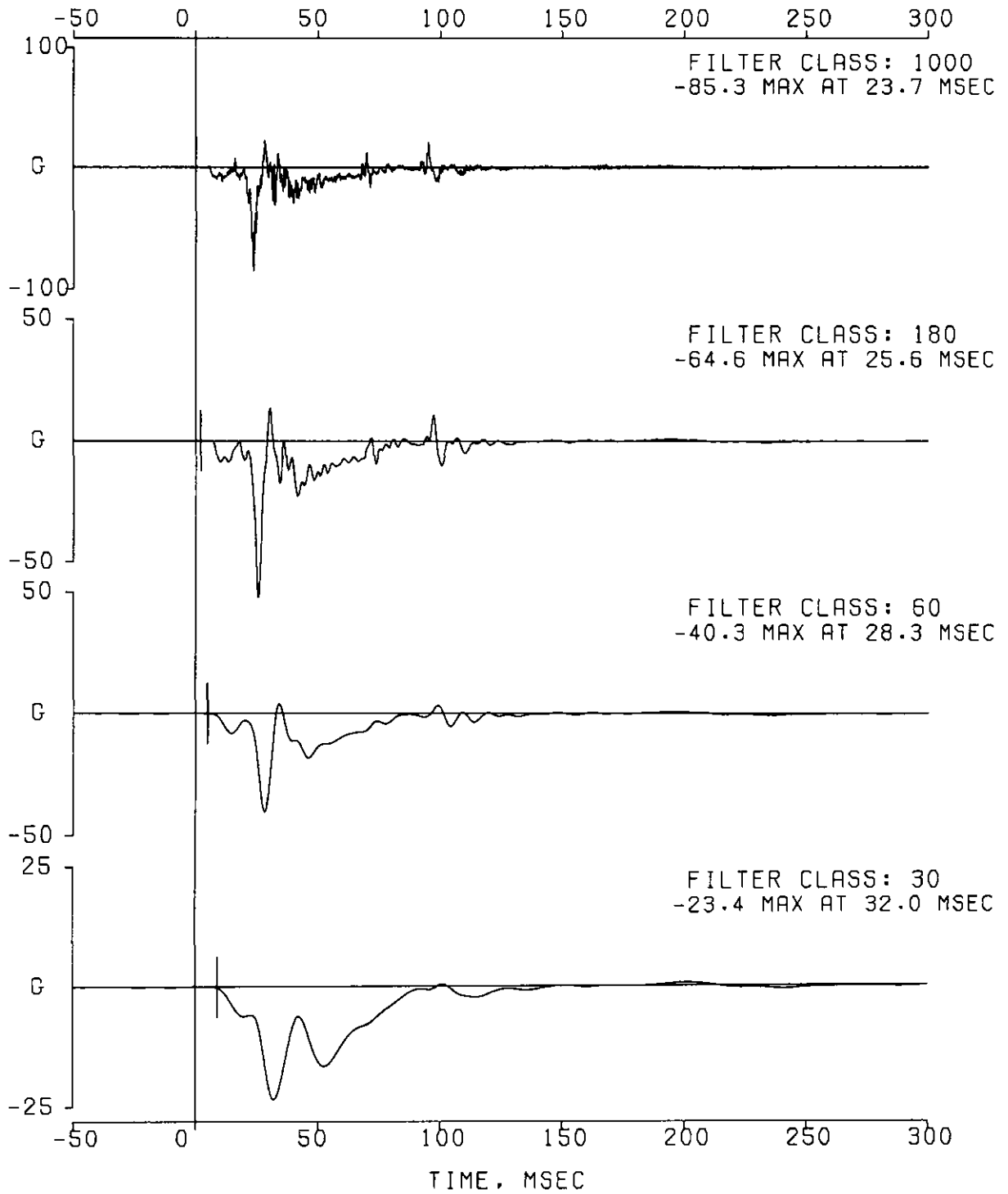
COMPUTED MPH
COMPUTED IN



VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 043 LEFT REAR SILL X AP1T5
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

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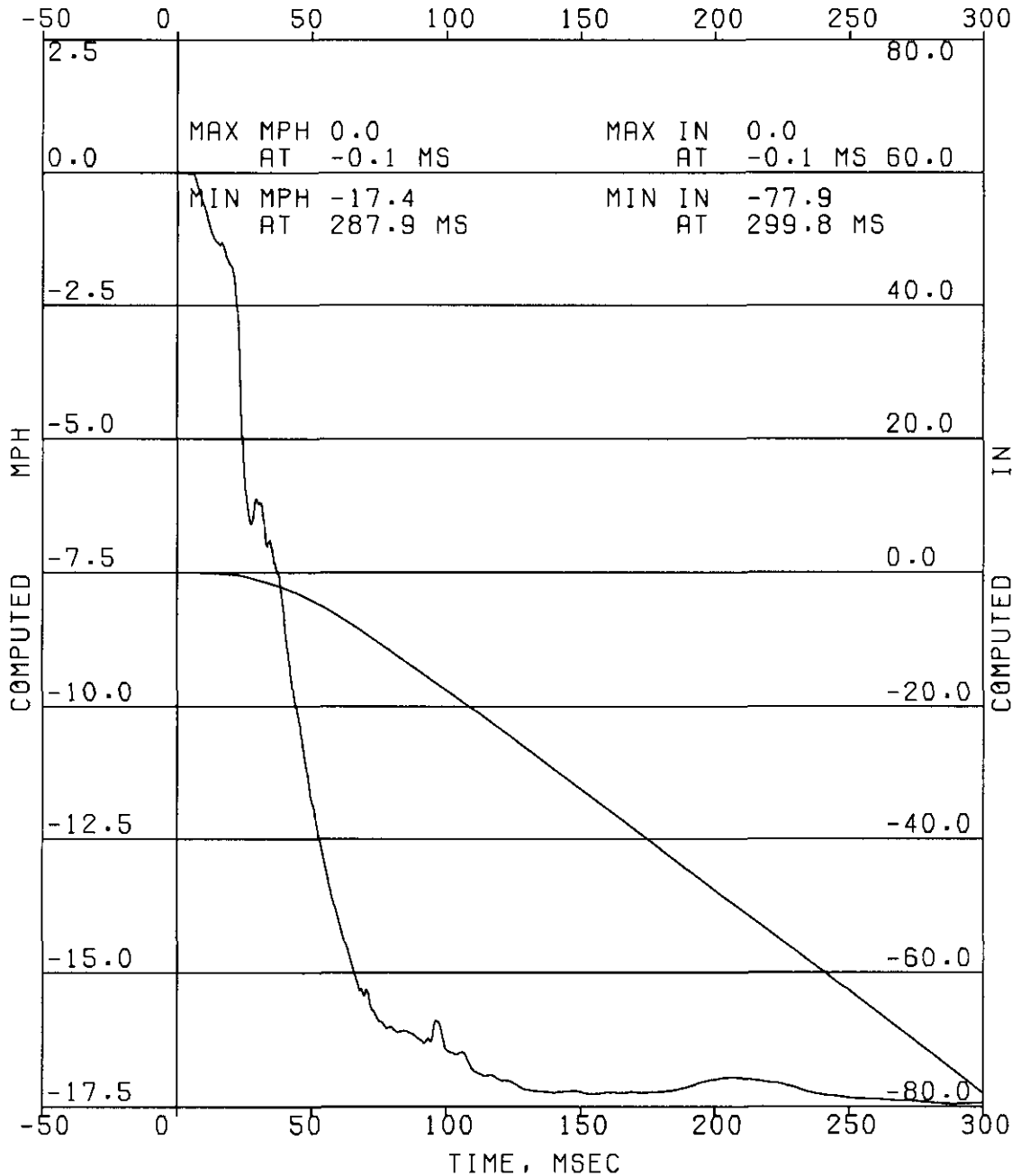
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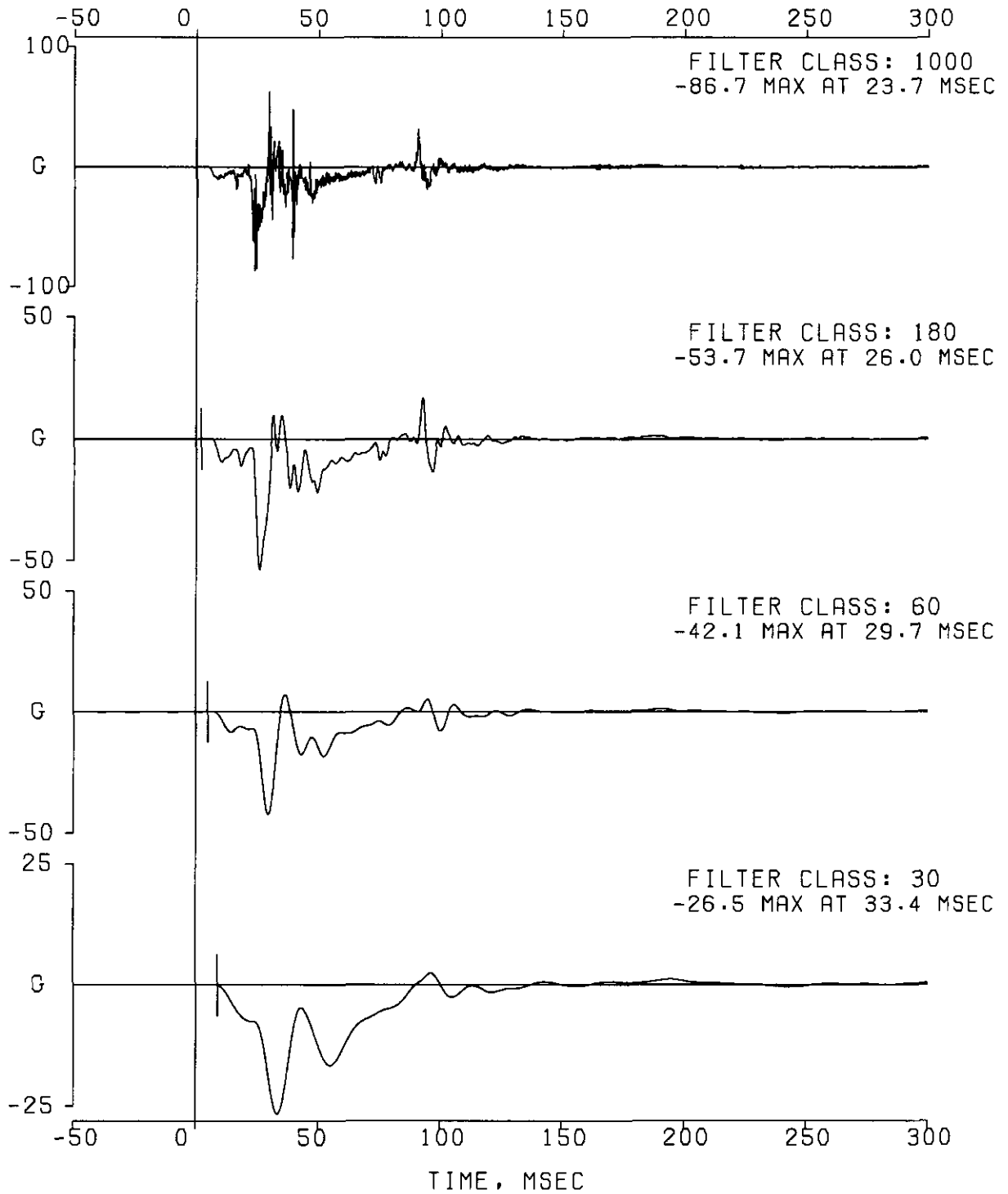
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IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

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ERRATA 1



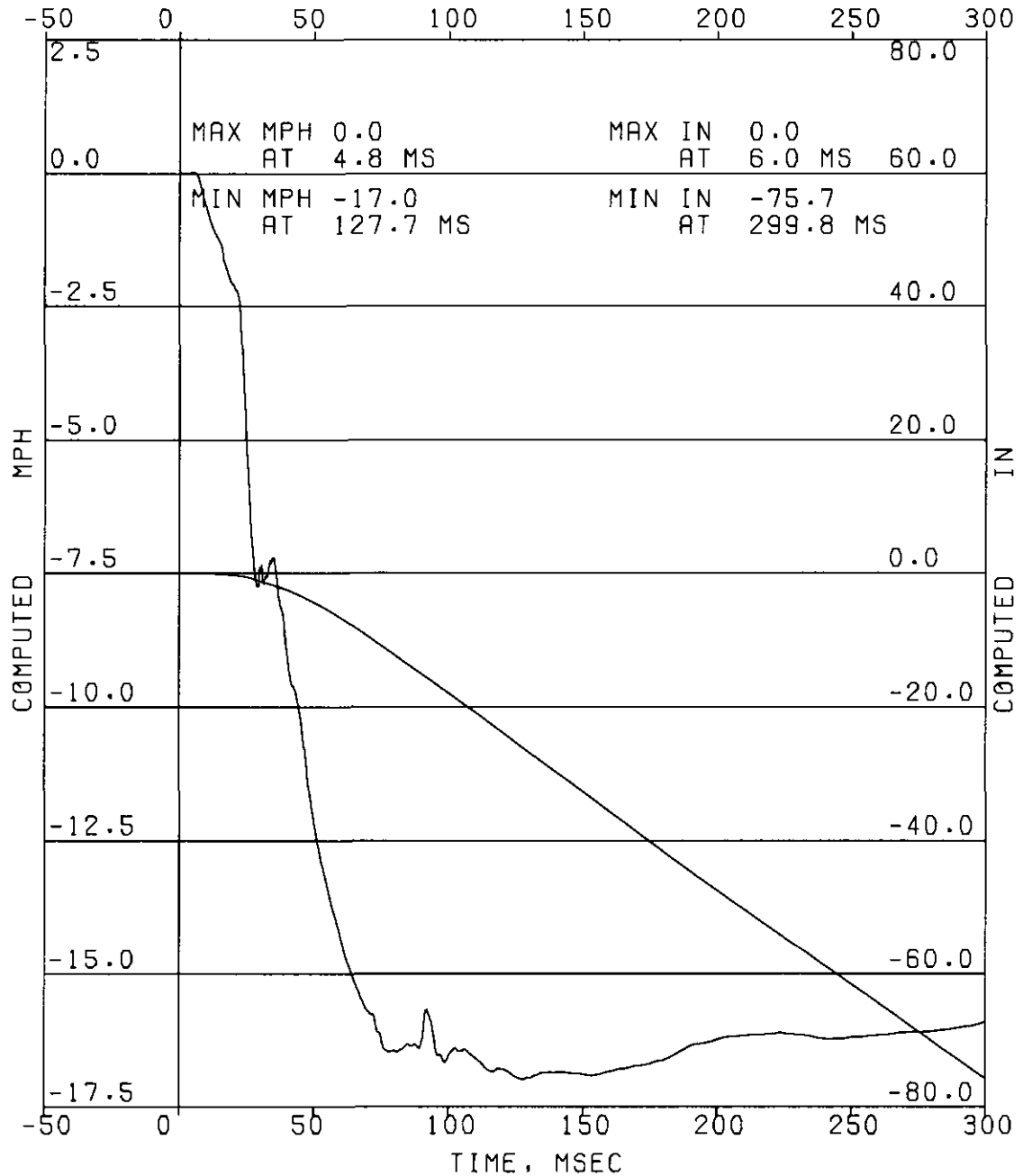
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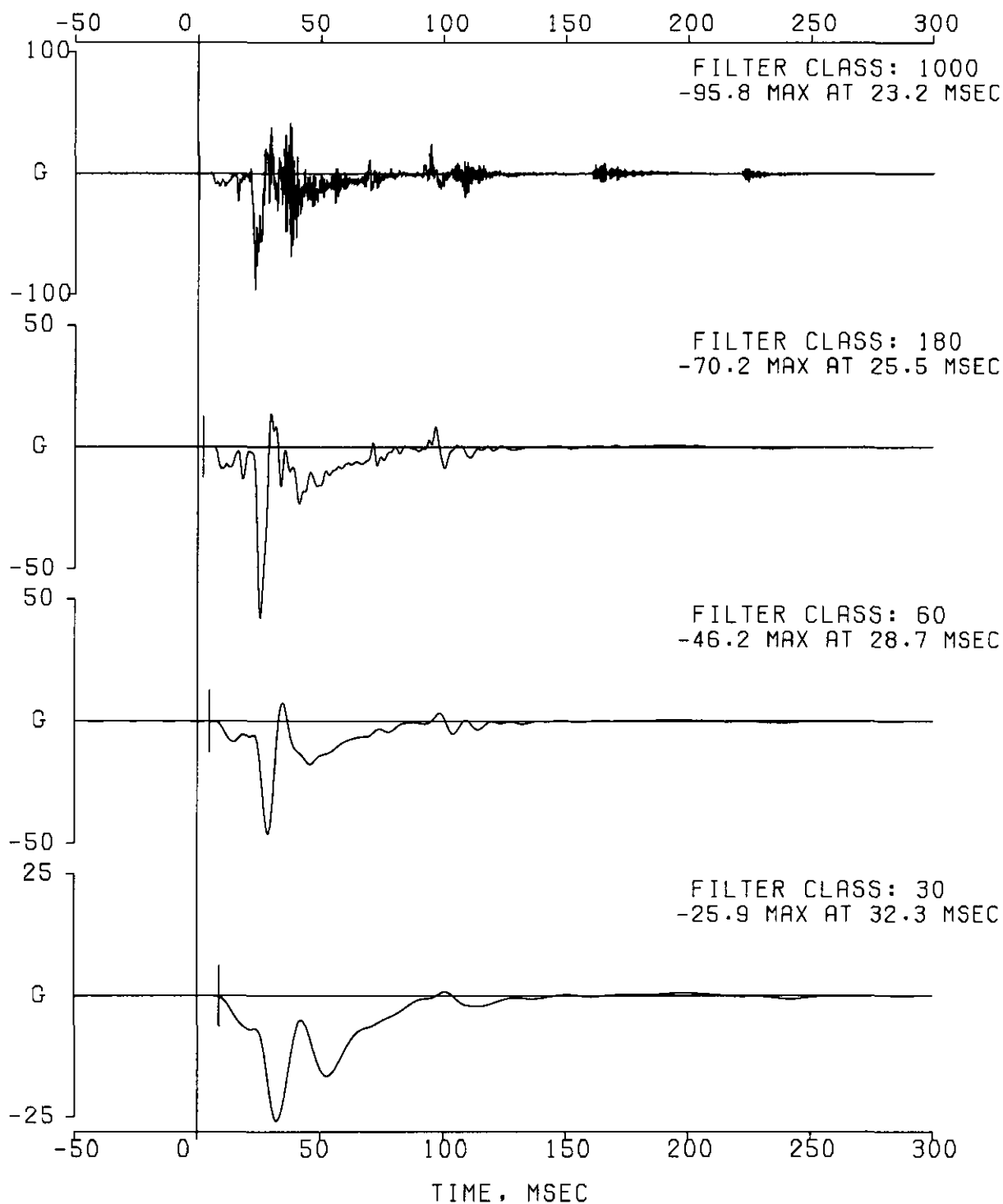
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IMPACT ANALYSIS DEPT. 5320
MAY 18, 2000

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ERRATA 1



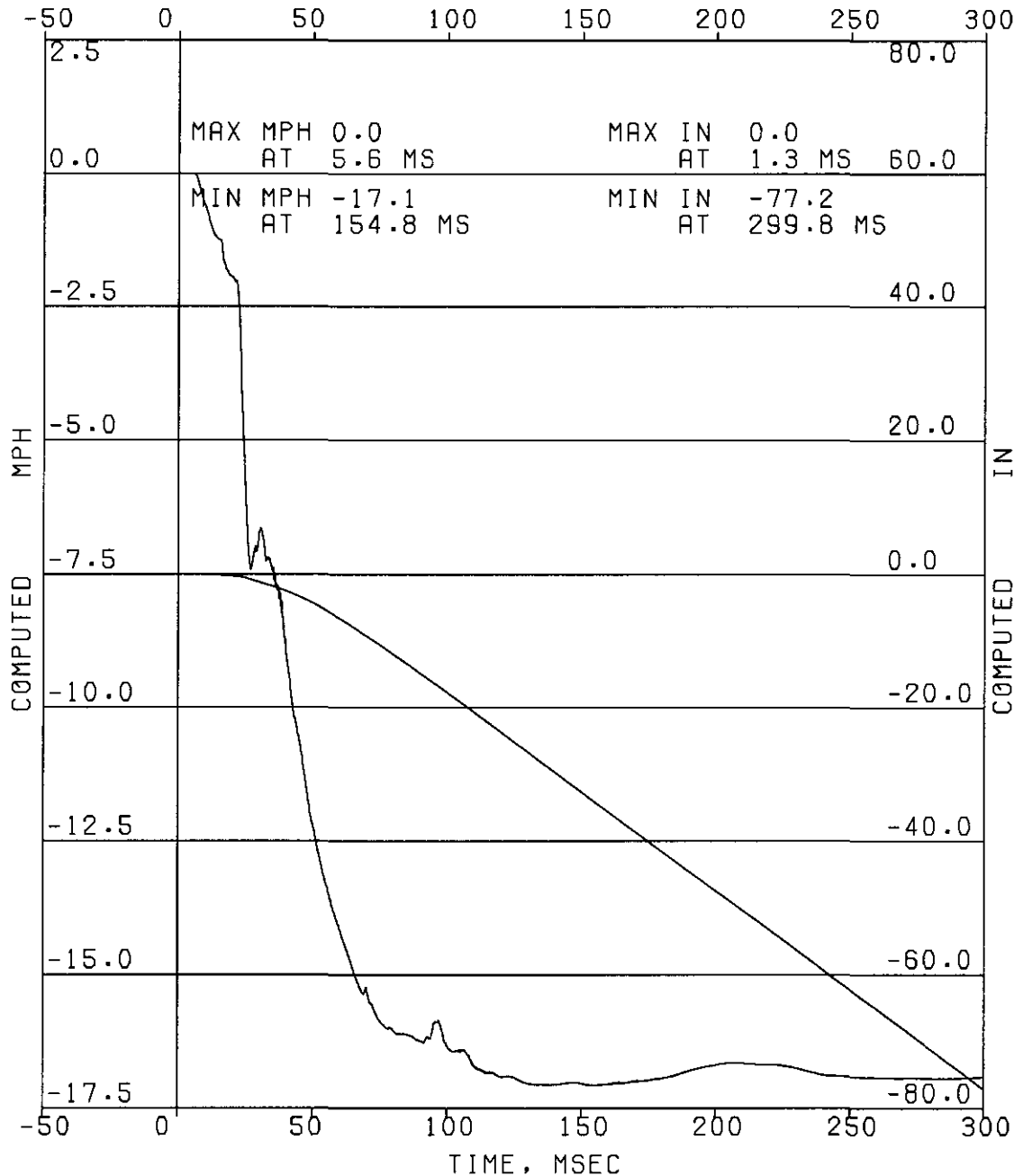
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FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
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IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BK
ERRATA 1

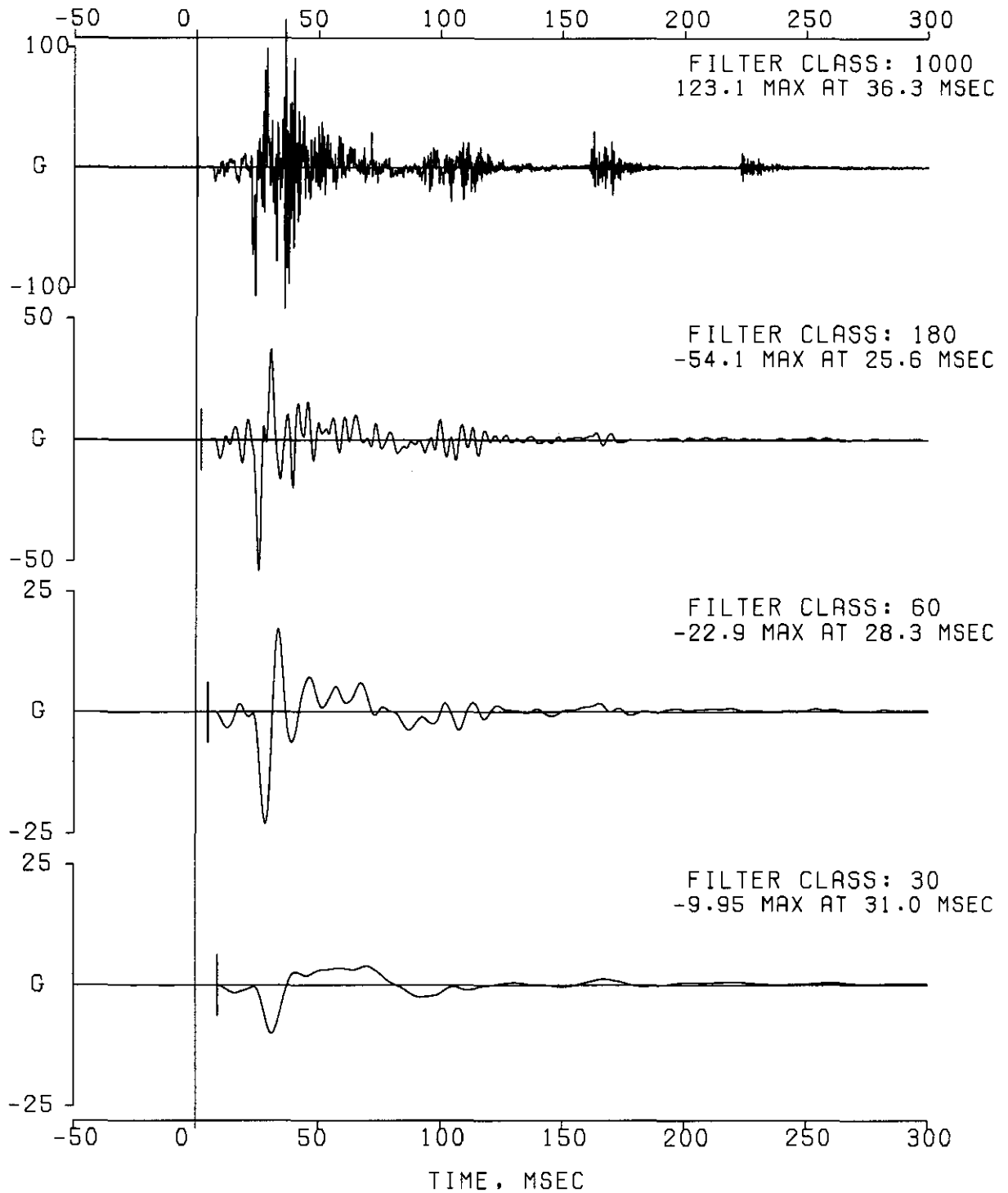


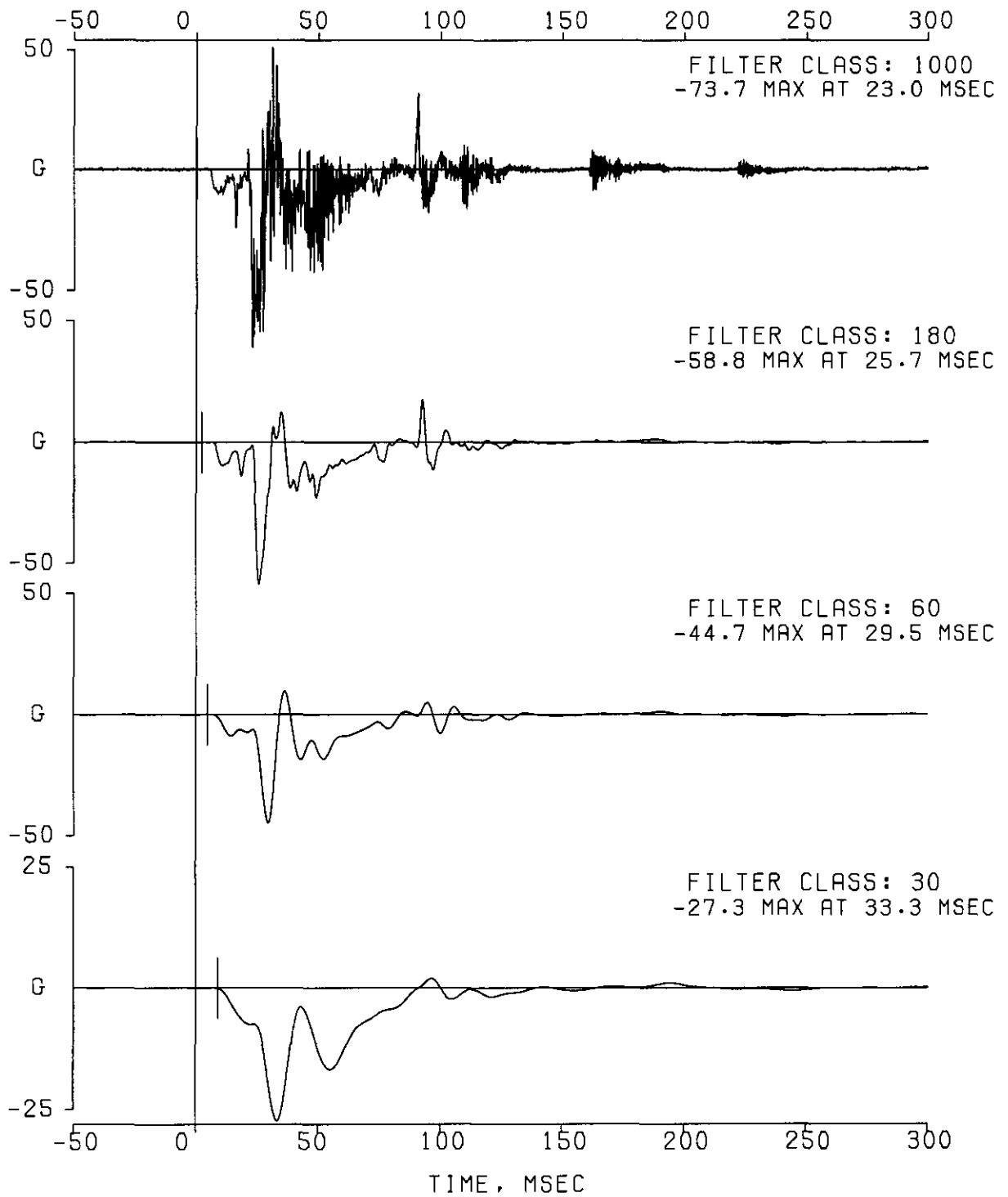
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VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 046 LT RAIL TRANS XMBR Z J19424
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
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MAY 18,2000

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DATA SET 05/17/00BK
ERRATA 1

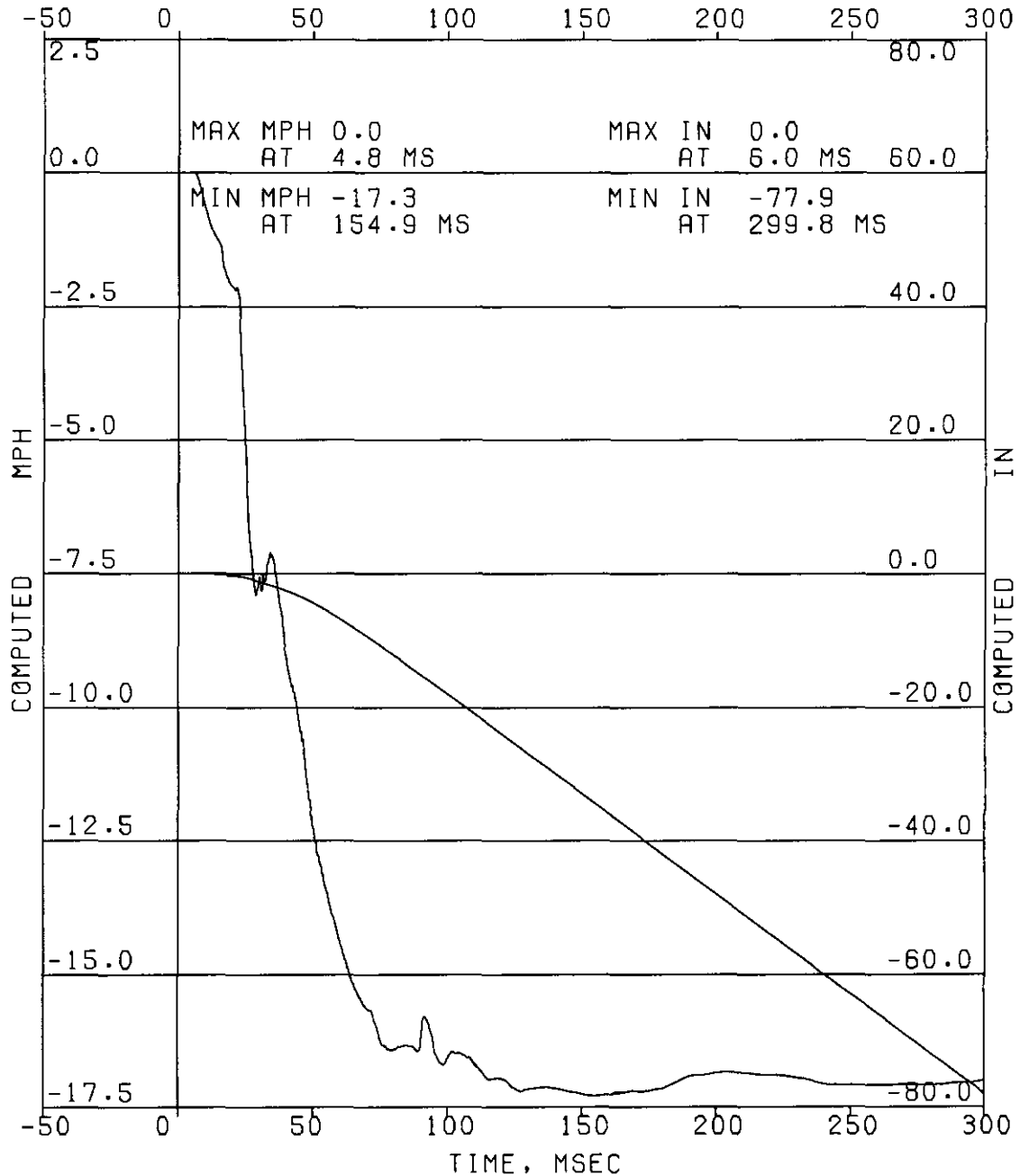




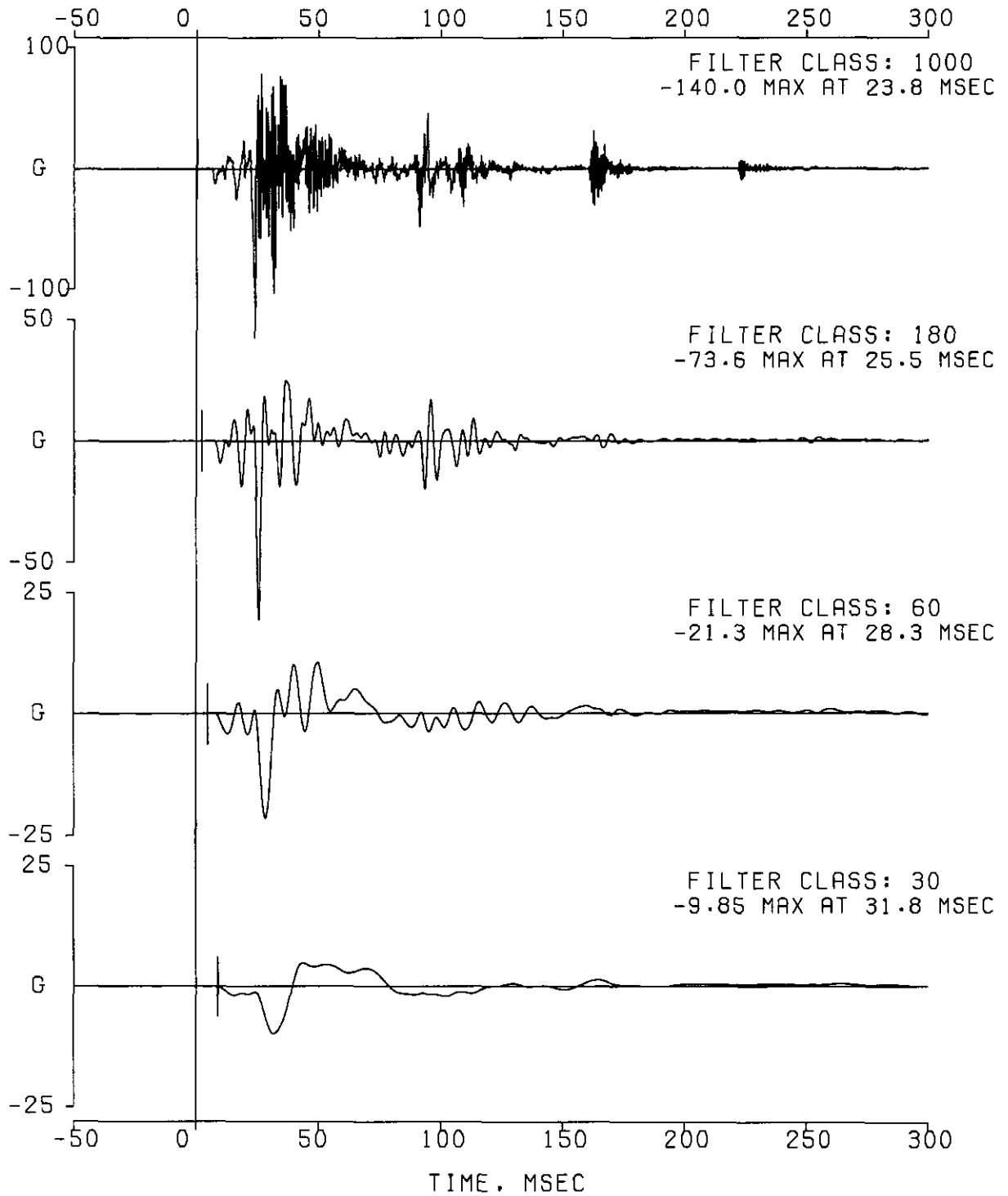
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IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BK
ERRATA 1



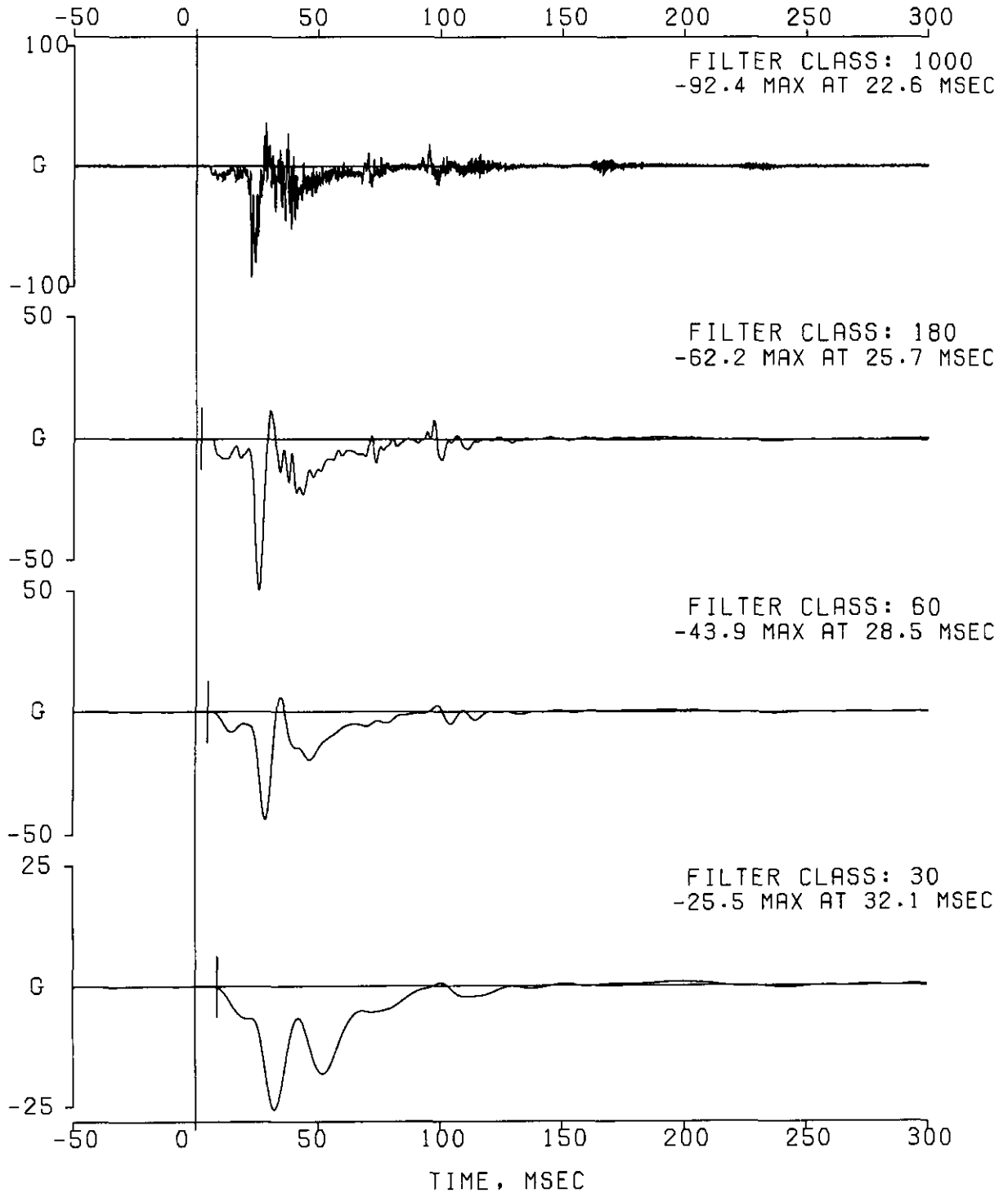
COMPUTED MPH
COMPUTED IN



VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 049 LT RL FWD RR CTRL ARM X P14492
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IMPACT ANALYSIS DEPT. 5320
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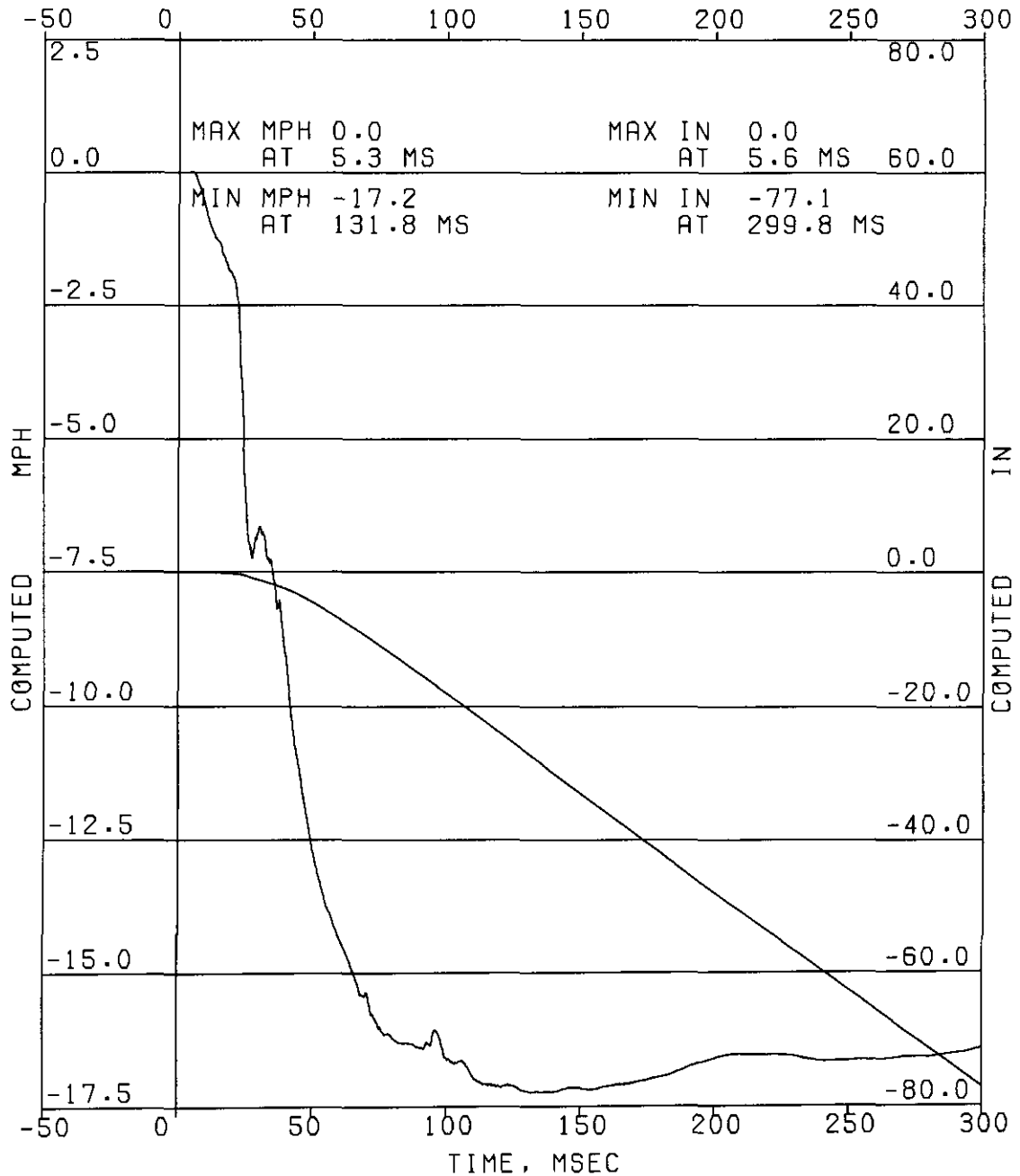
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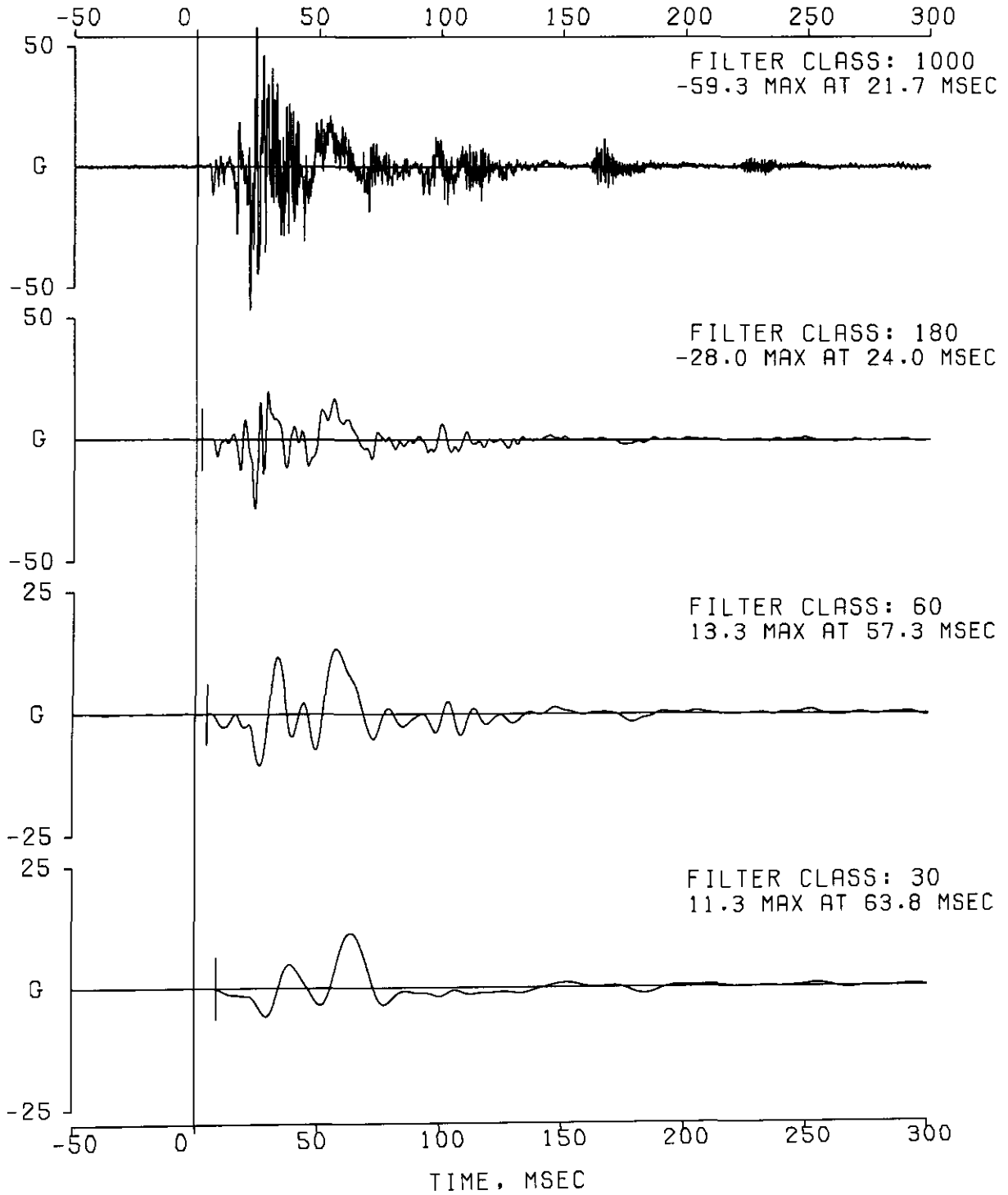
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IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

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ERRATA 1



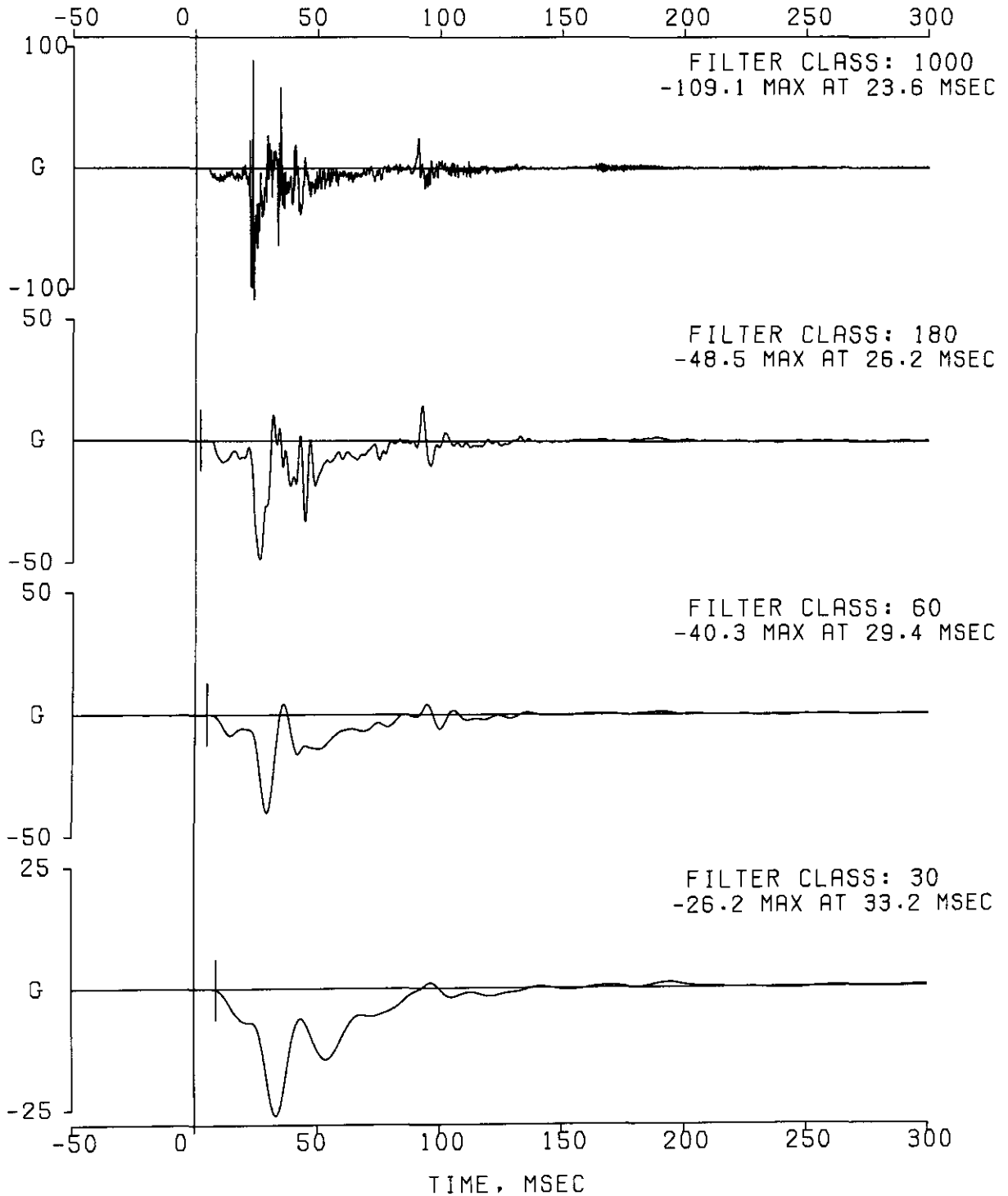
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VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 051 RT RL FWD RR CTRL ARM X 0B04F31
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IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

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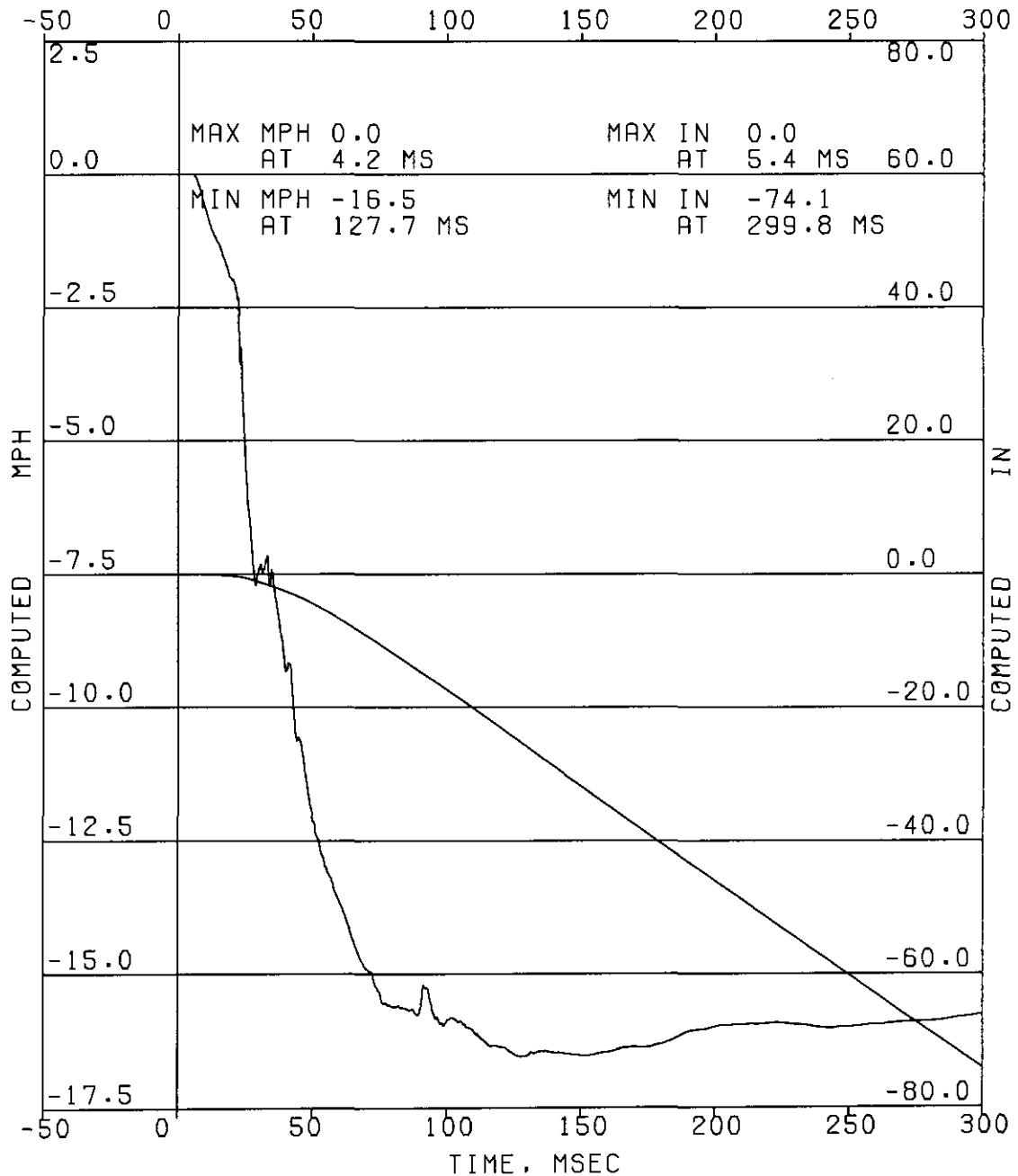
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IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BL
ERRATA 1

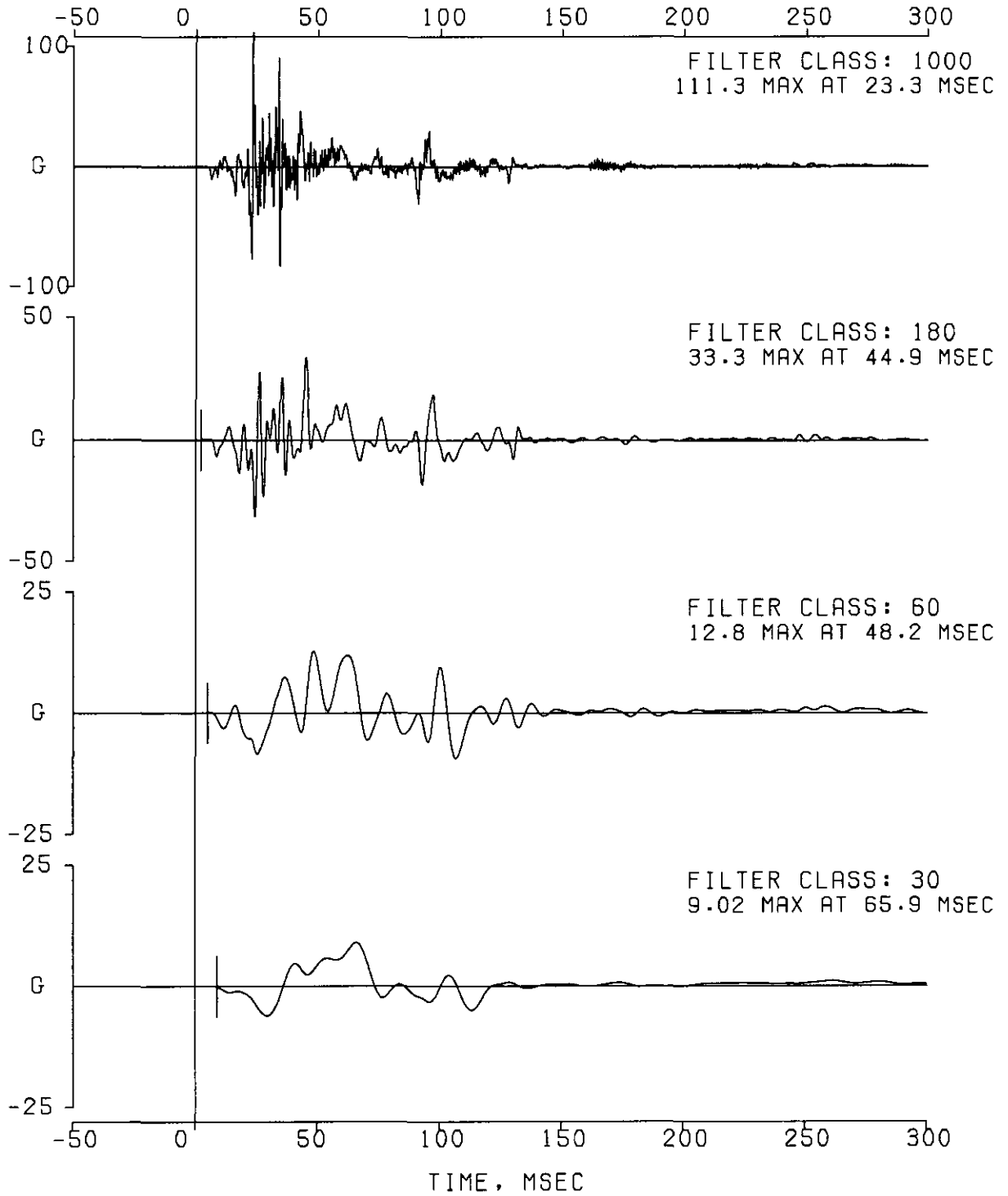


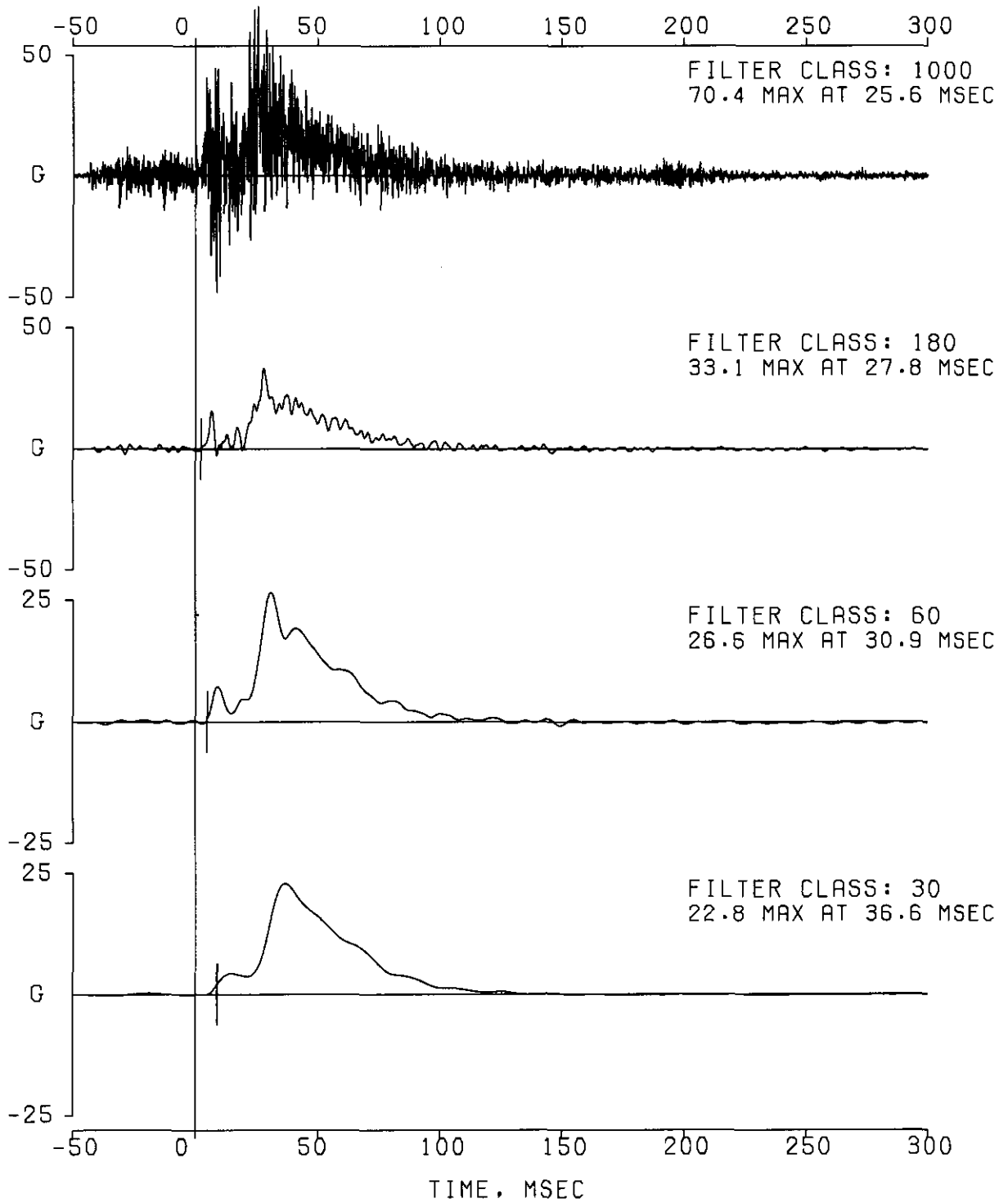
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VC08459 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ4677
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 052 RT RL FWD RR CTRL ARM Z J22533
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

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DATA SET 05/17/00BL
ERRATA 1

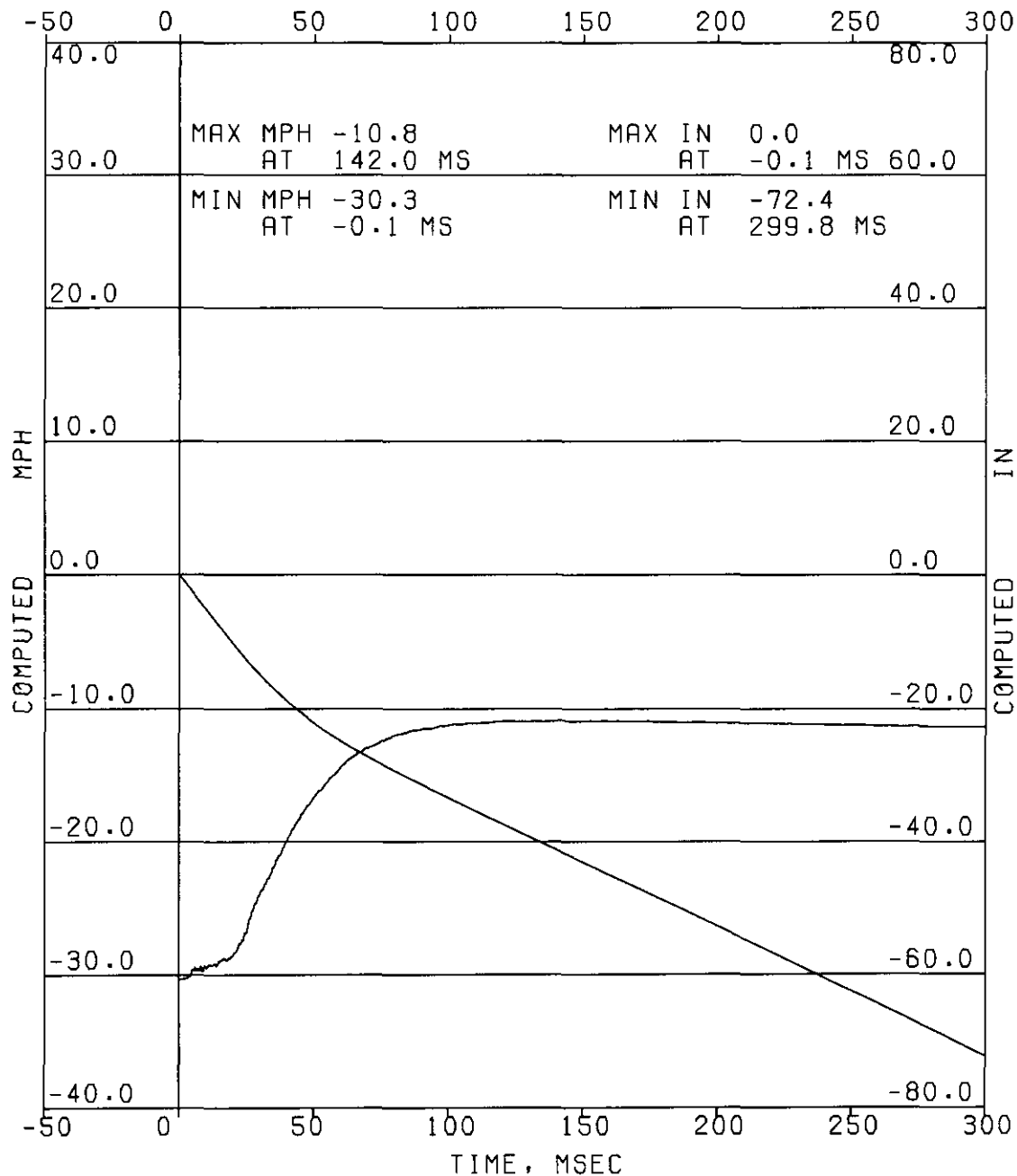




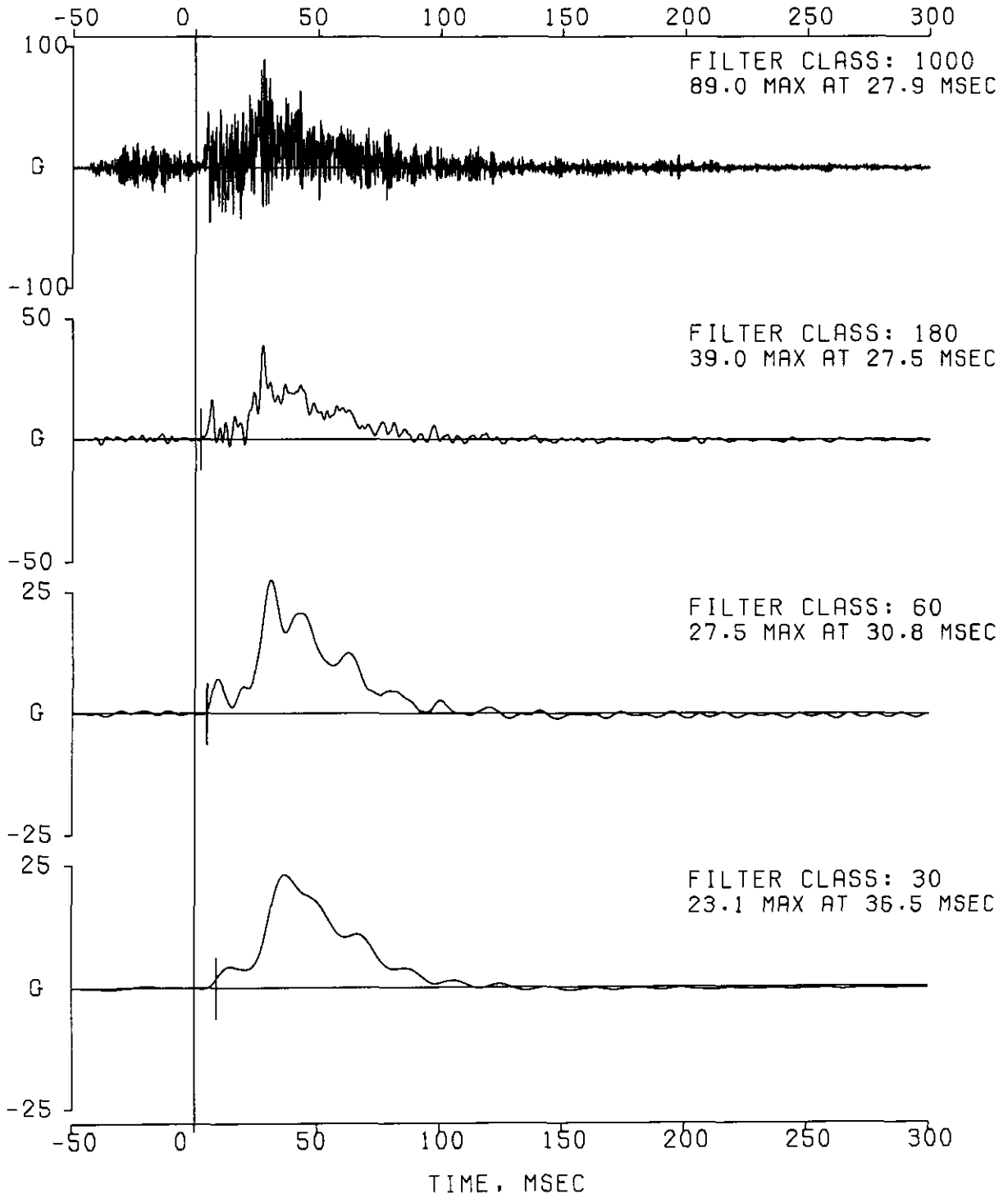
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IMPACT ANALYSIS DEPT. 5320
 MAY 18,2000

DATA SET 05/17/00BM
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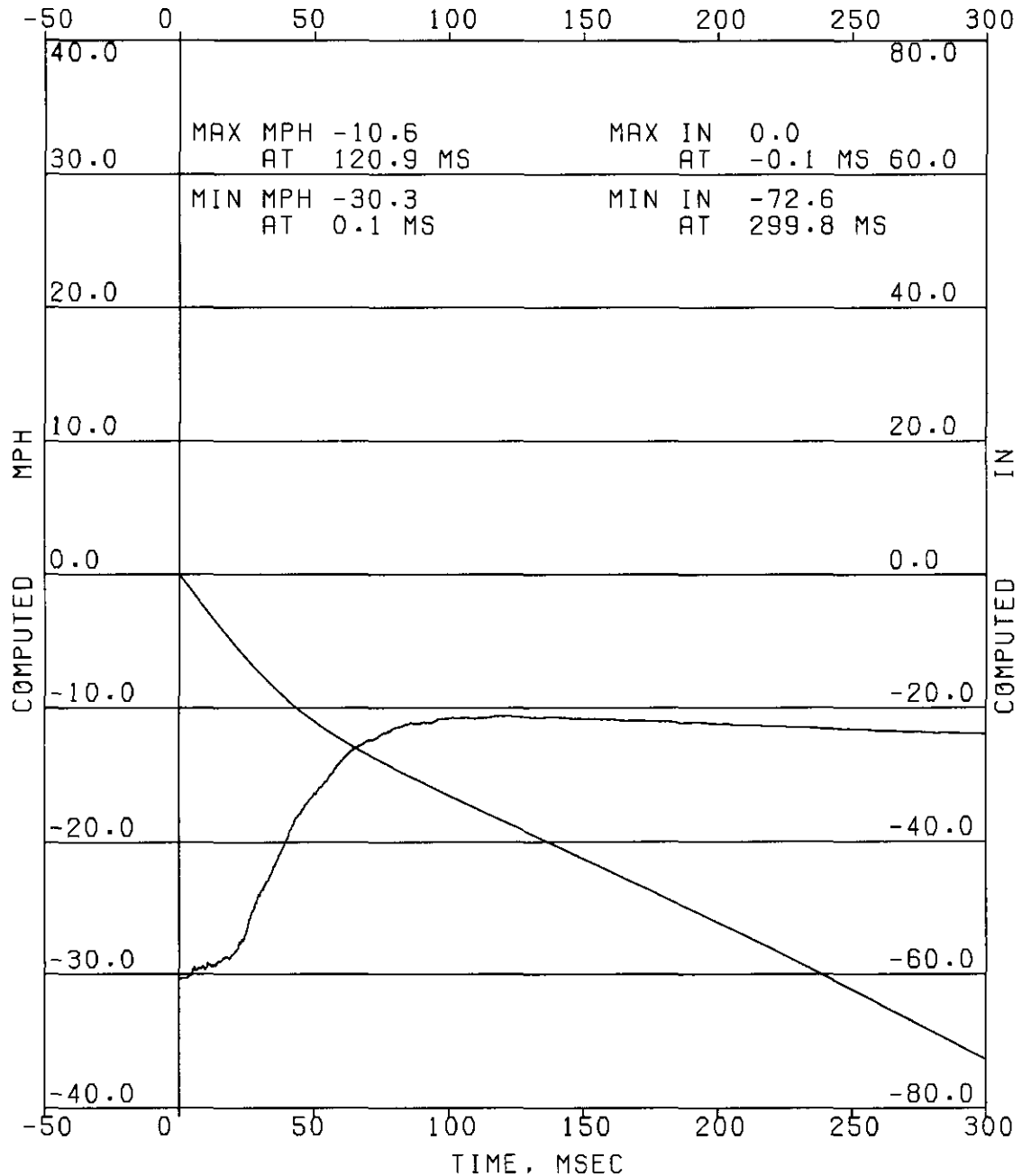
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IMPACT ANALYSIS DEPT. 5320
MAY 18,2000

DATA SET 05/17/00BM
ERRATA 1



COMPUTED MPH
COMPUTED IN

EA12-005

CHRYSLER

12-13-2012

Enclosure 6B

301 Developmental Crash
Tests Public

KJ Development Crash Test

VC08459.Photos-PostTest



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17.5 GAL S

3390



EA12-005- Chrysler -004756

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17.5 GAL S.S.

338



EA12... Chrysler 44757



EA12-005 EF-001-004758

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post

17.5 GAL S.S.

59



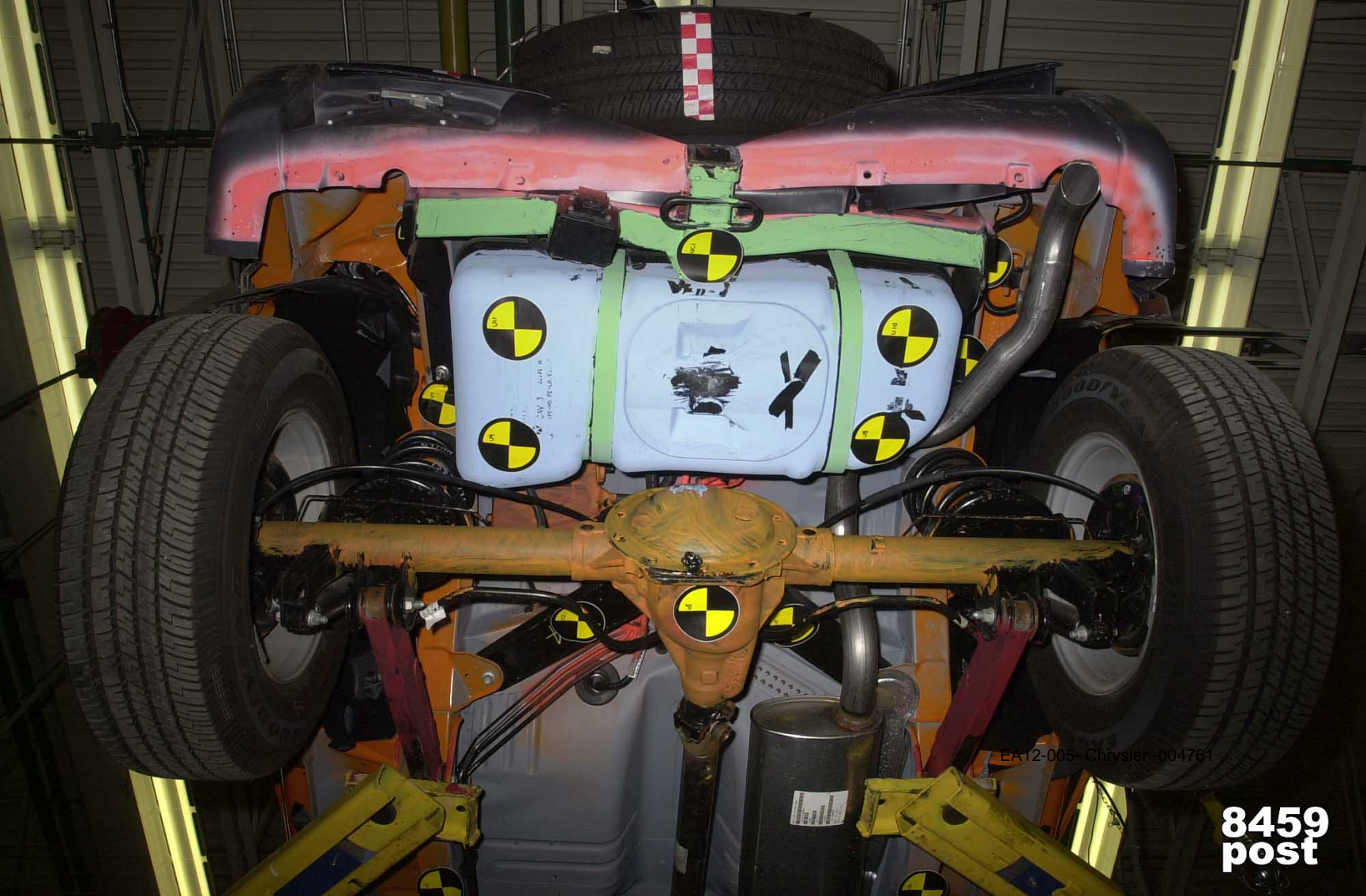
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post



EA12-005- Chrysler -004760

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post



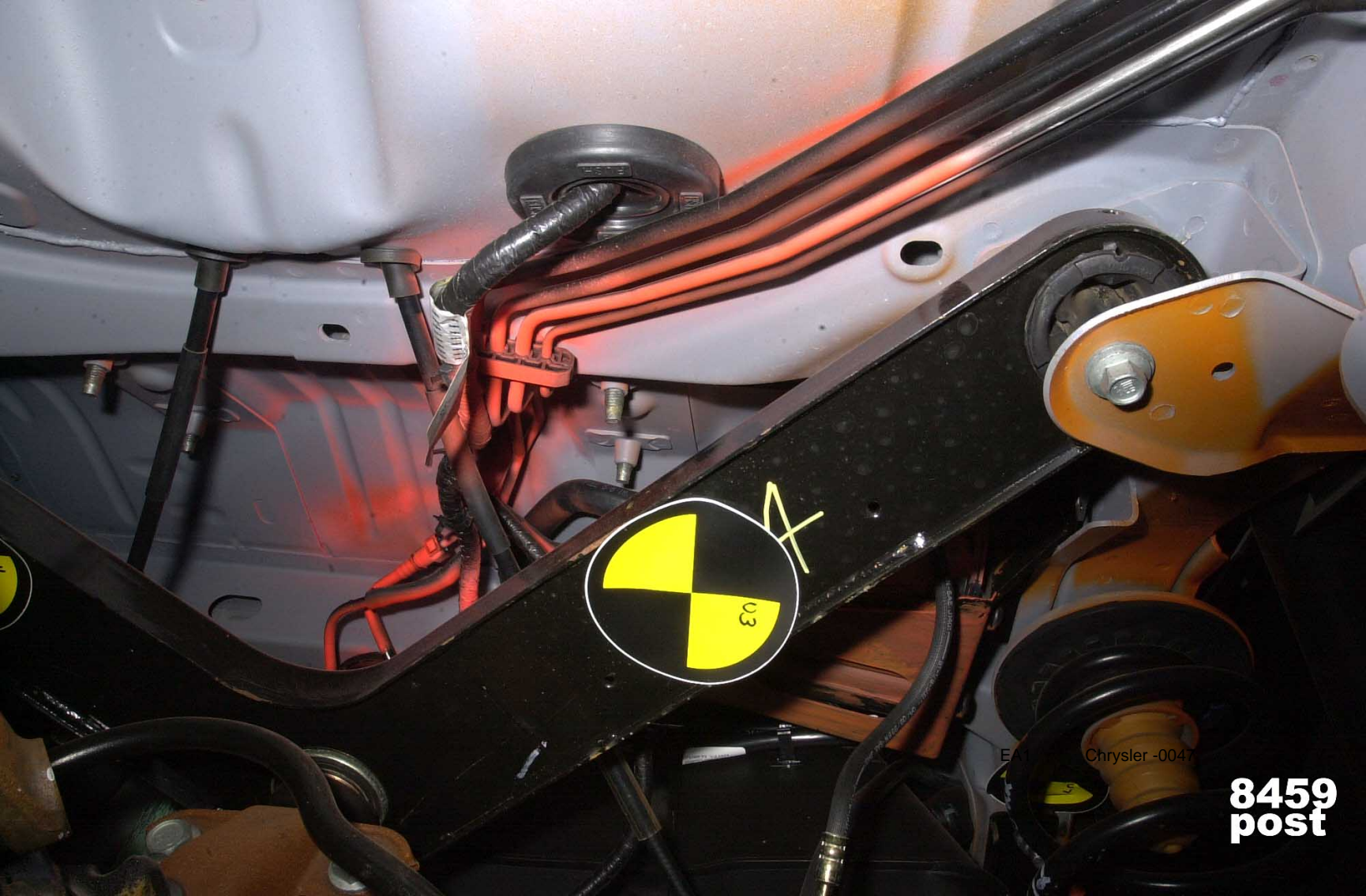
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EA12-005- Chrysler -004762

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E... Chrysler -0047

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post

03

GT-18-3072-04/09/99H-SAE J1407
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24611 24619 24618 24611 24619 24611 24619

1P6109-XX-1A SA
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12-13-2012

Enclosure 6B

301 Developmental Crash
Tests Public

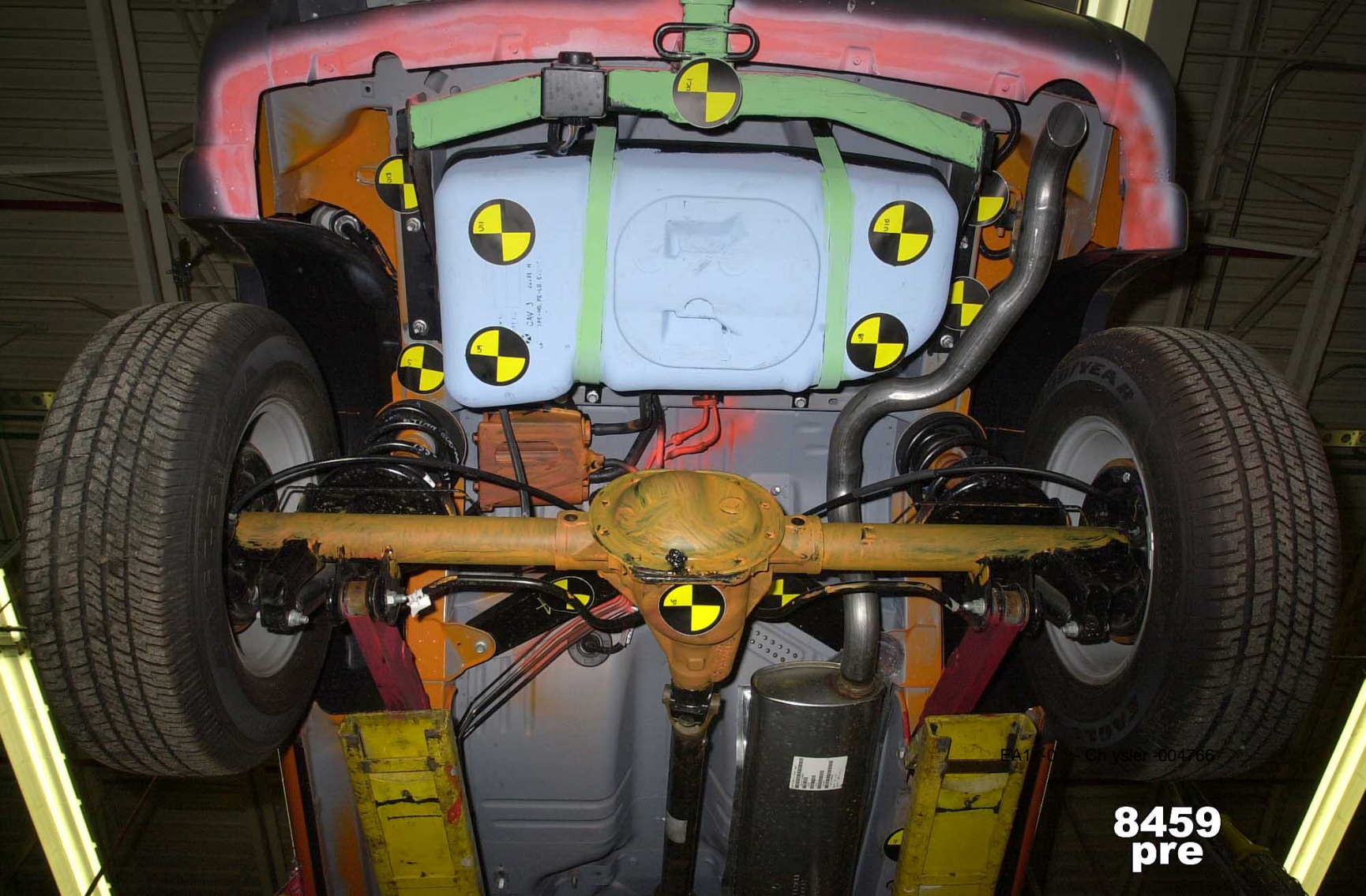
KJ Development Crash Test

VC08459.Photos-PreTest



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pre

EA12-005- Chrysler -004765



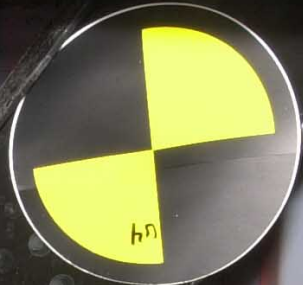
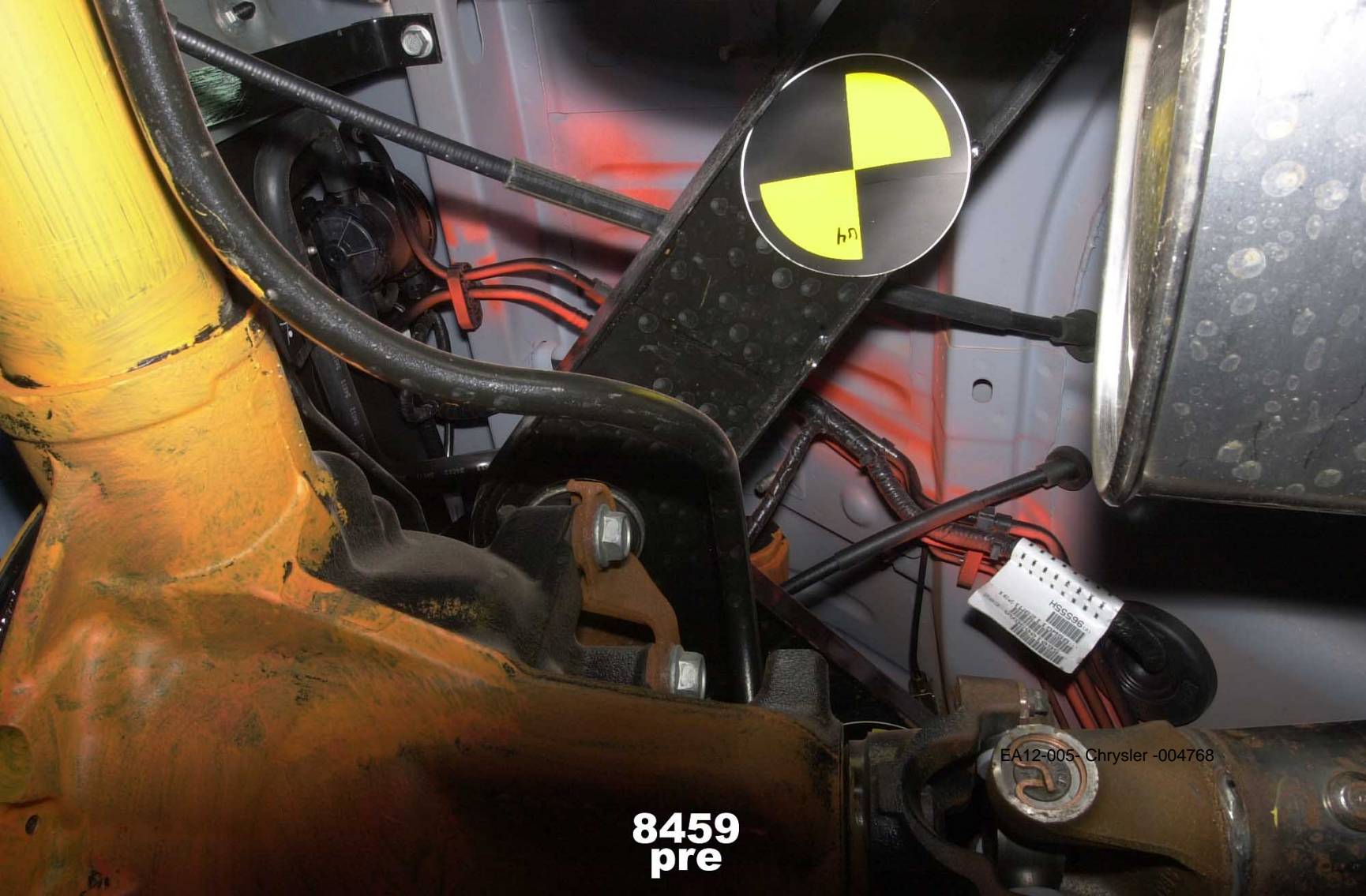
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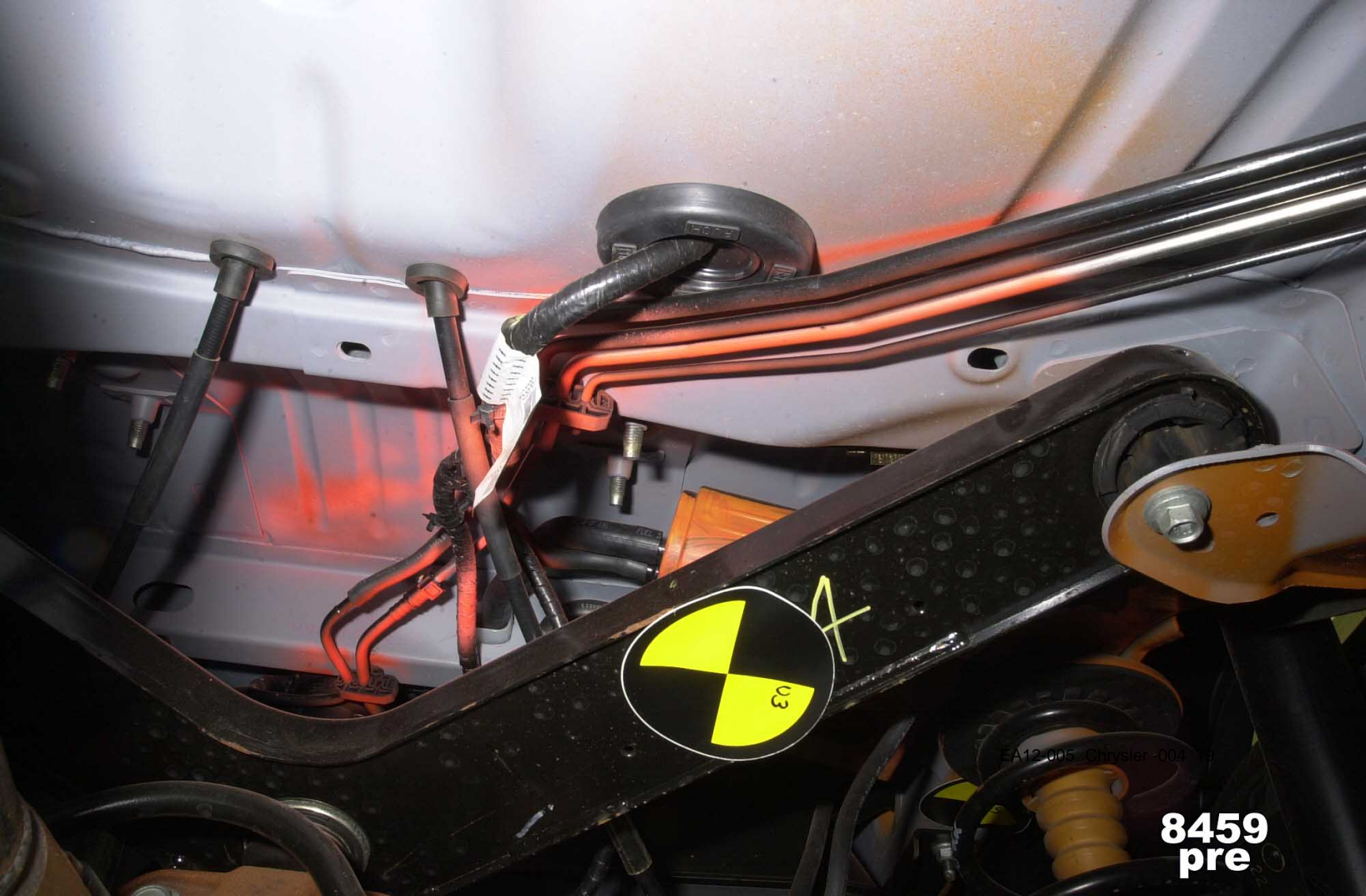
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pre



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pre

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EA12.005_Chrysler-004

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pre



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17.5 GAL 5.5

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EA12-005- Chrysler -004771

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17.5 GAL S.S.



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EA12-005

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Enclosure 6B

301 Developmental Crash

Tests Public

KJ Development Crash Test

VC09559 Photos

EA12-005

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Enclosure 6B

301 Developmental Crash

Tests Public

KJ Development Crash Test

VC09559 Report Public

EA12-005

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Enclosure 6B

301 Developmental Crash

Tests Public

KJ Development Crash Test

VC09935 Public