

EA12-005

CHRYSLER

12-13-2012

Enclosure 6B

301 Developmental Crash
Tests Public

KJ Development Crash Test
VC08945 Public

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
TEST DATE 12/05/00

REPORT CODES

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

DISTRIBUTION

E. WILLIS	514-17-41	(AB)
M. STEBELTON	422-05-01	(AB)

DATE 12/08/00

TIME 07:58:24.

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER 8945, ITEM NUMBER _____, TEST ENGINEER SMITH

V.I.N. _____, TEST DATE ___/___/___, ROLL DATE 12/7/00

TEST TYPE; 30 MPH FRONT ~~FLAT FIXED BARRIER IMPACT~~ REAR TYPE IV

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

TEST SPEED _____ MPH, TEST WEIGHT _____ POUNDS.

POST IMPACT LEAKAGE (OZ); AT IMPACT _____

1ST 5 MIN. _____

NEXT 25 MIN. _____

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 <u>1:46</u>	1ST 5 MIN				*
	POST 5 MIN				0 **
90-180 <u>1:43</u>	1ST 5 MIN				*
	POST 5 MIN				0 **
180-270 <u>1:38</u>	1ST 5 MIN				*
	POST 5 MIN				0 **
270-360 <u>1:38</u>	1ST 5 MIN				*
	POST 5 MIN				0 **

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS NO LEAKAGE

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 03

ITEM KJ3656R CHARGE NO. 02 DEV ISSUE DATE 11/13/00

VC 8945 30 MPH REAR MOVING BARRIER, KJJ-74
2002 MVSS 301 REAR IMPACT DEVELOPMENT.

TEST DATE 12/05/00 ENGINEER Smith DA Blaska
SPEED 30.2 MPH SOURCE Film Analysis

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 ELECTRONIC 4x4
TRANS. NOTE;
VIN AS TESTED; 1J8GF4G2?W [REDACTED] MOD.
VIN AS BUILT; 1J8GF4G22W [REDACTED] MOD.

BUILD CONDITION

TARGET WEIGHT (LBS) 4233 LBS TOTAL, 2235 LBS FRONT, 1998 LBS REAR
REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
WITHOUT OCCUPANTS OR LUGGAGE

TEST WEIGHT (LBS) 4937 TOTAL, 2641 FRONT, 2096 REAR

FUEL BALLAST 17.5 GALLONS OF STODDARD SOLVENT

LUGGAGE BALLAST 300 LBS

OTHER BALLAST _____

TEST REMARKS _____

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 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 03

OCCUPANTS

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

AD NO. 50
 AD NO. 77

MECHANICAL REQ

TARGET VEHICLE PER THIRD SHEET FOR KJ VEHICLES
 (SIMILARLY TO KJ5033R (VC08268))

- PLACE TARGETS ON TOP, LT & RT SIDE OF SPARE TIRE THAT WILL BE VISIBLE IN CAMERA VIEWS.
- PAINT REAR GATE HANDLE TO ENSURE ANY MOVEMENT VISIBLE IN FILMS & PAINT LINE @ POINT WHERE GATE 'OPENS' ON HANDLE (VISIBLE IN FILMS)
- POSITION DRIVER & PASS SEATS IN MID POSITION
- ENSURE SPARE TIRE, SWING GATE, & FLIPPER GLASS REMAIN IN PLACE FOR TEST
- ENSURE SWING GATE IS PROPERLY LATCHED
- ENSURE DRIVER & PASS AIRBAGS, SIDE CURTAINS, & 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
- PRESSURE TEST POST TEST
- PAINT RAILS & REAR UNDERBODY COMPONENTS
 INCL. FUEL FILLER LINE, PASS THRU HOLE IN RAIL FUEL TANK CANISTER, REAR SUSPENSION, REAR BUMPER, ORVR CANISTER, LINES AND EQUIPMENT, ETC. IN CONTRASTING COLORS FOR UNDERBODY VIEW

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VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 03

- INSTRUMENTATION REQ SEE THIRD SHEET FOR KJ REAR IMPACT TESTING FOR
ACCEL LOCATIONS (SIMILARLY TO KJ4677 (VC8459))
- ENSURE DRIVER & PASS AIRBAGS, SIDE CURTAINS, & PRETENSIONER DO NOT DEPLOY
 - TRIAXIAL ACCEL ON RAIL NEAR FUEL PASS THRU
 - TRIAXIAL ACCEL ON CENTER TUNNEL @ CL & H-POINT
 - TRIAXIAL ACCEL ATTACHED TO ORC FT LT
 - TRIAXIAL ACCEL ON SWING GATE INSIDE SURFACE NEAR GATE LATCH
 - MONITOR AECM INTERNAL ACCEL & SAFING SENSOR
 - MONITOR L & R REMOTE CRASH SENSORS ON RAD SPT
 - BIAxIAL (X&Y) ACCEL ON LEFT & RIGHT SIDE SIACM'S
 - X-AXIS ACCEL ON REAR SURFACE OF RADIATOR SPT.
(HALF WAY UP THE VERT. PART OF THE RAD, SPT)
LEFT & RIGHT SIDES.
 - TRIAXIAL ON CENTER BOTTOM OF FUEL TANK (ADHESED TO TANK - NOT MECHANICALLY FASTENED)
 - TRIAXIAL ACCEL ON LFT RAIL INLINE W/ ONE ON TANK
 - TRIAXIAL ACCEL ON RT RAIL INLINE W/ ONE ON TANK
 - POWER VEHICLE TO VERIFY DOOR AND GATE LATCH PERFORMANCE
 - BIAxIAL (X&Z) ACCEL ON OUTSIDE OF SWING GATE JUST ABOVE DOOR HANDLE
 - MONITOR SWING GATE AJAR, FLIPPER GLASS AJAR, & SWING GATE HANDLE SWITCH. CONTACT THAD SCOTT - 733 5682 - FOR DETAILS

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 03

PHOTOGRAPHIC REQ

- 1-VELOCITY CAMERA
- 1-PIT CAMERA TO VIEW ORVR EQUIPMENT
- 1-LEFT OVERALL (DYNAMIC CRUSH)
- 1-RIGHT OVERALL
- 1 CLOSE-UP FROM CATWALK TO VIEW SWING GATE HANDLE FROM ABOVE
- 1-HIGH SPEED FROM RIGHT REAR CORNER TO VIEW SWING GATE HANDLE
- 2-PIT CAMERAS FOR REAR UNDERBODY ANALYSIS.
- 1-L SIDE CLOSE UP OF FUEL FILLER AREA FROM PIT
- 2-LT & RT CLOSE-UP OF REAR QUARTERS OF VEHICLE
- 1-RIGHT SIDE BOOM MOUNTED CAMERA FOR CLOSE-UP OF SWING GATE HANDLE FROM ABOVE (OVERLAP VIEW WITH CATWALK CAMERA)
- PRE & POST TEST PHOTOS OF OVERALL & UNDERBODY (REAR), FRAME RAILS, FUEL TANK/REAR AXLE AREA, ETC.
- 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 REQUESTER: E. WILLIS (733 5470)
 MAKE 1 COPY OF FILM & 1 VIDEO, SEND TO:
 E. WILLIS 514-17-41
 PLEASE RETURN VEHICLE TO PROC 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 |
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| I = DYNAMIC CRUSH | J = ENGINE COMPARTMENT |
| K = DOOR CRUSH | L = FORCE/CRUSH/ENERGY |
| M = SPECIAL | N = CATALOG EDP DATA |
| * = REPORT REQUESTOR | |

DISTRIBUTION

E. WILLIS 514-17-41 (AB)
 M. STEBELTON 422-05-01 (AB)

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 03

*****CHANGED 11/14/00 08:55 WILLIS SUPPLEMENT 01

PHOTOGRAPHIC REQ

- MODIFY PRE & POST TEST PHOTOS OF OVERALL & UNDERBODY
- TO READ 1-ONBOARD CAMERA TO VIEW SWING GATE HANDLE FROM
- ADD ABOVE
- ADD
- ADD PRE & POST TEST PHOTOS OF OVERALL & UNDERBODY

*****CHANGED 11/28/00 10:57 WILLIS SUPPLEMENT 02

INSTRUMENTATION REQ

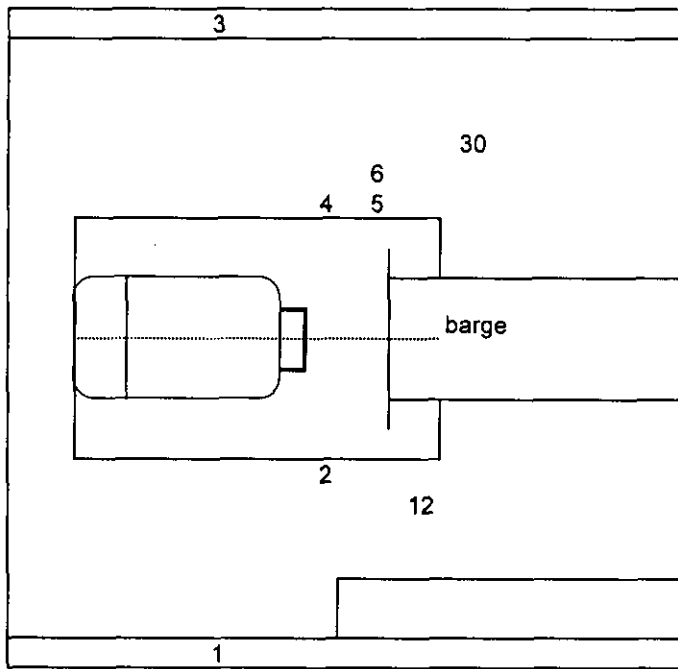
- DELETE - MONITOR SAICM INTERNAL ACCELS (2L & 2R)
- ADD - BIAXIAL (X&Y) ACCEL ON LEFT & RIGHT SIDE SIACM'S

*****CHANGED 12/01/00 15:14 WILLIS SUPPLEMENT 03

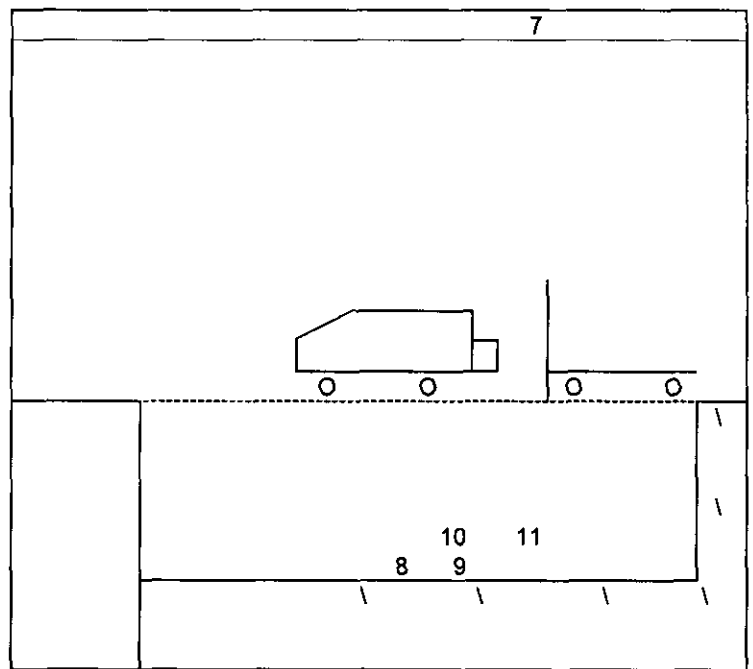
PHOTOGRAPHIC REQ

- MODIFY 1-LEFT OVERALL
- TO READ 1-LEFT OVERALL (DYNAMIC CRUSH)
- MODIFY 1-HIGH SPEED TO VIEW SWING GATE HANDLE FROM ABOVE
- TO READ 1 CLOSE-UP FROM CATWALK TO VIEW SWING GATE HANDLE
- ADD FROM ABOVE
- MODIFY GATE.
- TO READ GATE HANDLE
- DELETE 1-ONBOARD CAMERA TO VIEW SWING GATE HANDLE FROM
- DELETE ABOVE
- ADD 1-RIGHT SIDE BOOM MOUNTED CAMERA FOR CLOSE-UP OF
- ADD SWING GATE HANDLE FROM ABOVE (OVERLAP VIEW WITH
- ADD CATWALK CAMERA)

PLAN VIEW



SIDE VIEW



TEST NUMBER:	VC8945	VEHICLE TYPE:	KJ74
TEST TYPE:	30 MPH Rear Type IV Impact	TEST ENGINEER:	Jeff Smith
REQUEST DATE:	11/16/00		

#	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	427*	18MM	107231	KIN					
2	Lt - Close Up of Rear Quarter Panel	1876	35MM	111302	KIN					
3	Rt- Overall	1890	13MM	105441	KIN					
4	Rt - Close Up of Rear Quarter Panel	1874*	35MM	111106	KIN					
5	Rt - View of Swing Gate Handle from Rr corner (3k fps)	HYCAMO	50MM	111048	KIN					
6	Rt - Boom Mount close up of swing gate handle "Overlap View With Catwalk Camera"	284	ZOOM	#8	CAN					
7	Catwalk - Swing gate handle closeup	424	100MM	105330	KIN					
	TEST REQUESTOR WILL ASSIST IN CAMERA SETUP									
8	A Pit - Rear Underbody - Rear - SOUTH	432	13MM	13-7	COS	4 1/4				
9	A Pit - Rear Underbody - Forward - NORTH	433	13MM	13-5	COS	4 1/4				
10	Pit - View of ORVR Equipment (attached at LR tank)	428	ZOOM	#5	CAN					
11	Pit - Close up of fuel filler area	289	ZOOM	#7	C					
12	Velocity	287	100MM	D73487	WOL					
30	Rt - Ektapro - Close Up of Rear Quarter to view Swing Gate and Handle	EKTA	ZOOM	#1	CAN					
*	All Cameras digital timing if possible									
	vc photo w/o									
	1- film copy Eric Willis 514-17-41									EA12-005- Chrysler -002801

TUESDAY 12/18

X, Y, Z DIMENSIONS

TEST NUMBER VC8945, TEST ENGINEER SMITH

TEST TYPE: 30 MPH REAR WITH

V.I.N. 1J8GF4G22W

TYPE 4 MOV. BARR.

LOCATION	X	Y	Z	LOCATION	X	Y	Z
BC1	73.1 XXXX	0.0	XXXX	BC2		0.0	XXXX
B1	63.9	19.8	XXXX	B2	64.1	19.6	XXXX
U1	0.5	17.6	13.2	U2	99.6	17.0	13.0
U3	21.6	+10.0	19.7	U4	22.0	8.1	19.8
U5	29.6	1.9	9.2	U6	41.2	19.4	24.8
U7	39.4	19.2	24.5	U8	42.5	4.1	14.0
U9	43.2	3.2	14.1	U10	50.0	4.8	14.1
U11	50.6	3.2	14.1	U12	56.0	19.4	25.1
U13			25.3				
UK1	61.2	0	15.8				
LFS	48.1	32.5	15.1				
LMS	58.5	32.2	15.5				
LRA 4" TARGET W/ BLACK RING		50-					

TRAMMEL DIMENSIONS;

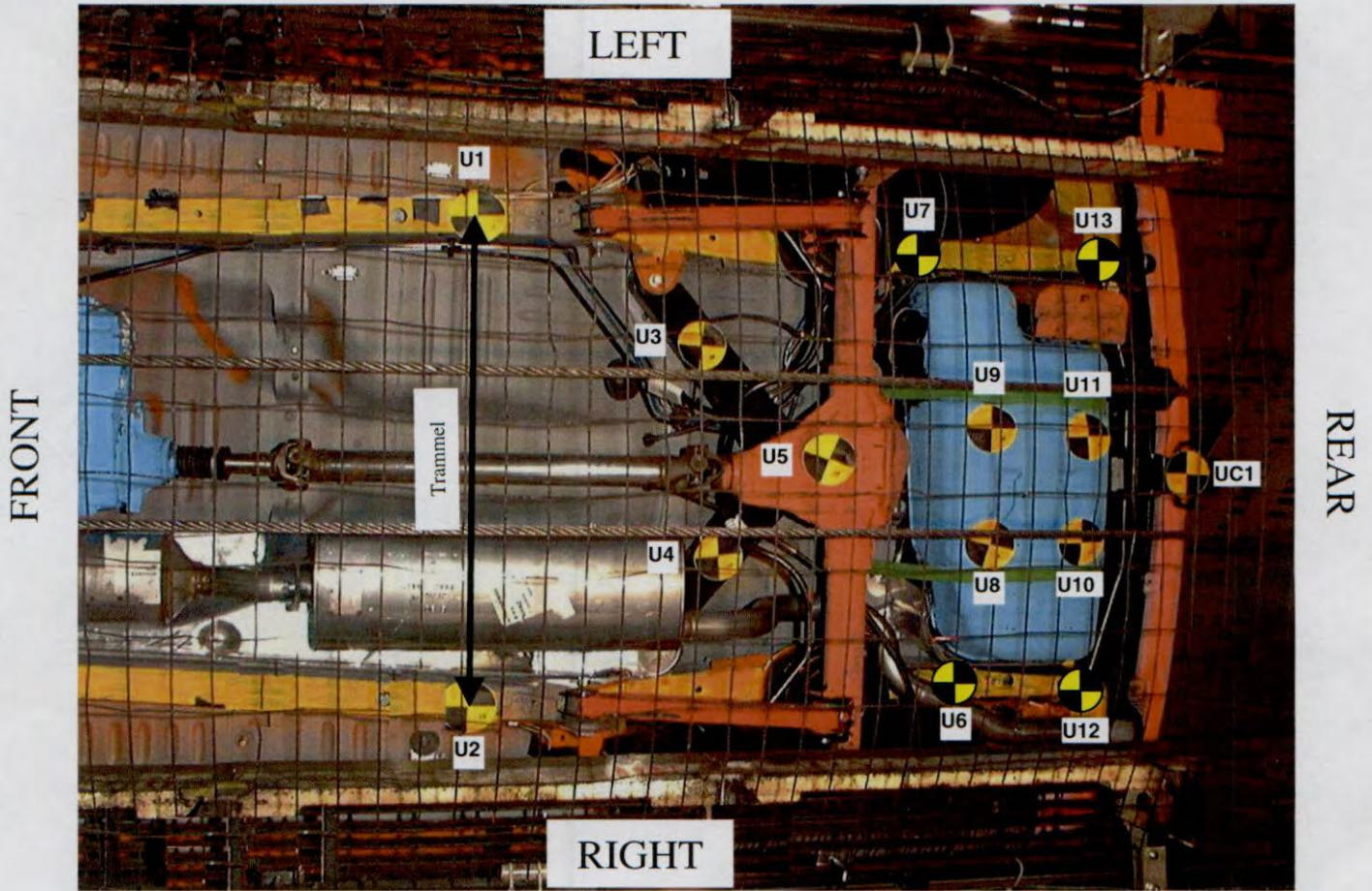
LFS-LMS PRE 27.96
POST 29.96

U1-U2 36.72

LRA
13.8

REAR UNDERBODY FOR ALL REAR IMPACTS

Visibility Approved: DGL / 05/03/1999
 Approved for CPG Use: GAB / 05/03/1999
 Impact Analysis Engineer: DCC / 01/21/2000
 DCC T/L: 722-1918; PAGER: 313-709-9150



Guidelines to Placement of Critical Targets:

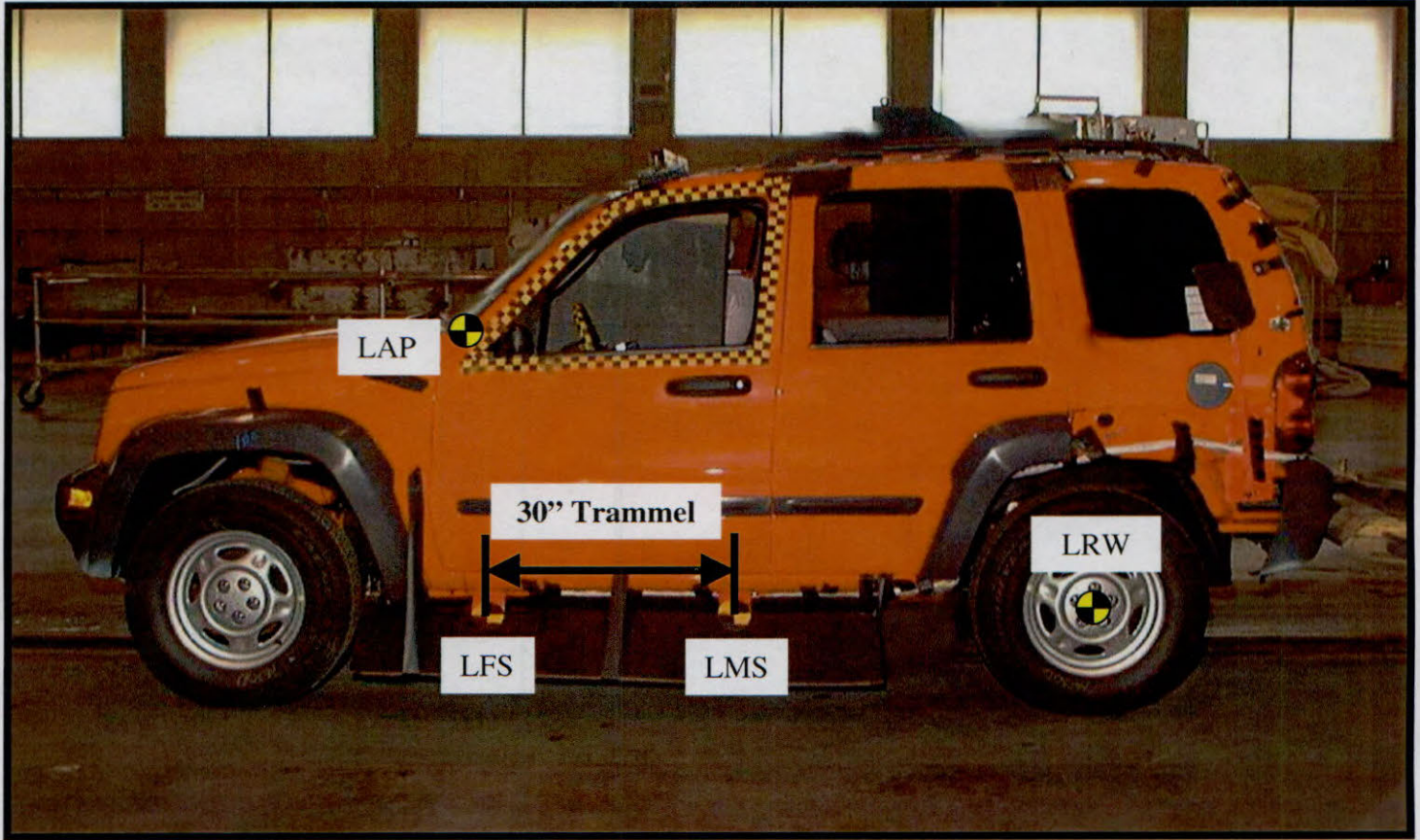
ITEM	COMMENTS
U1 & U2	5.5" IN FRONT OF FORWARD EDGE OF CONTROL ARM MOUNTING BRACKET.
U3 & U4	CENTER OF UPPER SWING ARMS.
U5	ON CENTER OF REAR DIFFERENTIAL
U12 & U13	END OF RAILS AT REAR BUMPER CROSSMEMBER
U6	14" FORE OF U12
U7	ON LEFT RAIL 16" FORWARD OF U13
U8,U9,U10 & U11	IN SQUARE PATTERN, INSIDE STRAPS ON BOTTOM SURFACE OF THE FUEL TANK
UC1	CENTERED ON REAR BUMPER CROSSMEMBER

Program: 02KJ

VC8945 ; Item No. KJ3656R

LEFT SIDE FOR ALL REAR IMPACTS

Visibility Approved: DGL / 05/03/1999
Approved for CPG Use: GAB / 05/03/1999
Impact Analysis Engineer: DCC / 01/21/2000
DCC T/L: 722-1918; PAGER: 313-709-9150



Guidelines to Placement of Critical Targets:

ITEM	COMMENTS
LMS	BOTTOM OF B-POST ON SILL
LRS	30" FORE OF LMS
LRW	CENTER OF REAR WHEEL

11/16/00

CONFIDENTIAL

EA12-005- Chrysler -002805

Version: 5

Last Revised: 09/18/00

DATE 12/08/00
TIME 10:09:53.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

FILED DEC 14 2000

VC08945 ITEM KJ3656R
VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
TEST DATE 12/05/00

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 ELECTRONIC 4x4
TRANS. NOTE;
VIN AS TESTED; 1J8GF4G2?W [REDACTED] MOD.
VIN AS BUILT; 1J8GF4G22W [REDACTED] MOD.

TEST SPEED 30.2 BY FILM ANALYSIS

TEST WEIGHT (LBS) 4737 TOTAL, 2641 FRONT, 2096 REAR

OCCUPANTS LEFT FRONT, HII BALLAST AD-50
RESTRAINT-BELTS ONLY
RIGHT FRONT, HII BALLAST AD-77
RESTRAINT-BELTS ONLY

BUILD CONDITION

TARGET WEIGHT (LBS) 4233 LBS TOTAL, 2235 LBS FRONT, 1998 LBS REAR
REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
WITHOUT OCCUPANTS OR LUGGAGE

FUEL AND BALLAST 17.5 GALLONS OF STODDARD SOLVENT
300 LBS

EDP TECHNICIAN S. MARCHENIA

No. of Pages 66
CC

M. STEBELTON 422-05-01
E. WILLIS 514-17-41

TITLE: Page Index of EDP plots	Pages	001 - 066	
***** VC08945A *****			Page I-01
TITLE: Transducer Summary Reports	Pages	001 - 007	
PAGE: 001	TSR Channels	001 - 008	
PAGE: 002	TSR Channels	009 - 016	
PAGE: 003	TSR Channels	017 - 024	
PAGE: 004	TSR Channels	025 - 032	
PAGE: 005	TSR Channels	033 - 040	
PAGE: 006	TSR Channels	049 - 056	
PAGE: 007	TSR Channels	065 - 066	

TITLE: Vehicle Channels

Pages 008 - 062

PAGE: 008 Average of Rear Sill Chls 49 & 51
 PAGE: 009 FUEL TANK RL PASS-THRUX, Chl 1
 PAGE: 010 FUEL TANK RL PASS-THRUX, Chl 1, VD
 PAGE: 011 FUEL TANK RL PASS-THRU Y, Chl 2
 PAGE: 012 FUEL TANK RL PASS-THRU Z, Chl 3
 PAGE: 013 CTR TUNL @ CL & H-PT X, Chl 4
 PAGE: 014 CTR TUNL @ CL & H-PT X, Chl 4, VD
 PAGE: 015 CTR TUNL @ CL & H-PT Y, Chl 5
 PAGE: 016 CTR TUNL @ CL & H-PT Z, Chl 6
 PAGE: 017 ORC TOP FT LT X, Chl 7
 PAGE: 018 ORC TOP FT LT X, Chl 7, VD
 PAGE: 019 ORC TOP FT LT Y, Chl 8
 PAGE: 020 ORC TOP FT LT Z, Chl 9
 PAGE: 021 INR SWNGGATE @ LATCH X, Chl 10 *C*
 PAGE: 022 INR SWNGGATE @ LATCH X, Chl 10, VD *C*
 PAGE: 023 INR SWNGGATE @ LATCH Y, Chl 11
 PAGE: 024 INR SWNGGATE @ LATCH Z, Chl 12
 PAGE: 025 ACM INTERN ACCEL G, Chl 13
 PAGE: 026 ACM SAFING SENSOR, Chl 14, Event *N*
 PAGE: 027 RT B-PILLAR @SIACM X, Chl 15
 PAGE: 028 RT B-PILLAR @SIACM X, Chl 15, VD
 PAGE: 029 RT B-PILLAR @ SIACM Y, Chl 16
 PAGE: 030 LT B-PILLAR @ SIACM Y, Chl 17
 PAGE: 031 LT B-PILLAR @ SIACM X, Chl 18
 PAGE: 032 LT B-PILLAR @ SIACM X, Chl 18, VD
 PAGE: 033 LT FRT CZS SENSOR, Chl 19, Event
 PAGE: 034 RT FRT CZS SENSOR, Chl 20, Event
 PAGE: 035 LT RR VERT SURF RAD SUX, Chl 21
 PAGE: 036 LT RR VERT SURF RAD SUX, Chl 21, VD
 PAGE: 037 RT RR VERT SURF RAD SUX, Chl 22
 PAGE: 038 RT RR VERT SURF RAD SUX, Chl 22, VD
 PAGE: 039 FUEL TANK BTM CTR X, Chl 23 *C*
 PAGE: 040 FUEL TANK BTM CTR X, Chl 23, VD *C*
 PAGE: 041 FUEL TANK BTM CTR Y, Chl 24 *N*
 PAGE: 042 FUEL TANK BTM CTR Z, Chl 25 *C*
 PAGE: 043 LT RL @ CTR FUEL TANK X, Chl 26
 PAGE: 044 LT RL @ CTR FUEL TANK X, Chl 26, VD
 PAGE: 045 LT RL @ CTR FUEL TANK Y, Chl 27
 PAGE: 046 LT RL @ CTR FUEL TANK Z, Chl 28
 PAGE: 047 RT RL @ CTR FUEL TANK Y, Chl 29
 PAGE: 048 RL RL @ CTR FUEL TANK X, Chl 30
 PAGE: 049 RL RL @ CTR FUEL TANK X, Chl 30, VD
 PAGE: 050 RT RL @ CTR FUEL TANK Z, Chl 31
 PAGE: 051 SWNGGATE ABV DR HANDLEX, Chl 32
 PAGE: 052 SWNGGATE ABV DR HANDLEX, Chl 32, VD
 PAGE: 053 SWNGGATE ABV DR HANDLEZ, Chl 33
 PAGE: 054 SWNGGATE AJAR EVENT, Chl 34, Event *N*
 PAGE: 055 FLIP GLASS AJAR EVENT, Chl 35, Event *N*
 PAGE: 056 SWNGGATE HANDLE SWITCH, Chl 36, Event *N*
 PAGE: 057 LEFT REAR SILL X, Chl 49
 PAGE: 058 LEFT REAR SILL X, Chl 49, VD
 PAGE: 059 LEFT REAR SILL Z, Chl 50
 PAGE: 060 RIGHT REAR SILL X, Chl 51
 PAGE: 061 RIGHT REAR SILL X, Chl 51, VD
 PAGE: 062 RIGHT REAR SILL Z, Chl 52

TITLE: Moving barrier Channels

Pages 063 - 066

PAGE: 063 LT RAIL MBAR MID X Chl 65

PAGE: 064 LT RAIL MBAR MID X , Chl 65, VD

PAGE: 065 RT RAIL MBAR MID X Chl 66

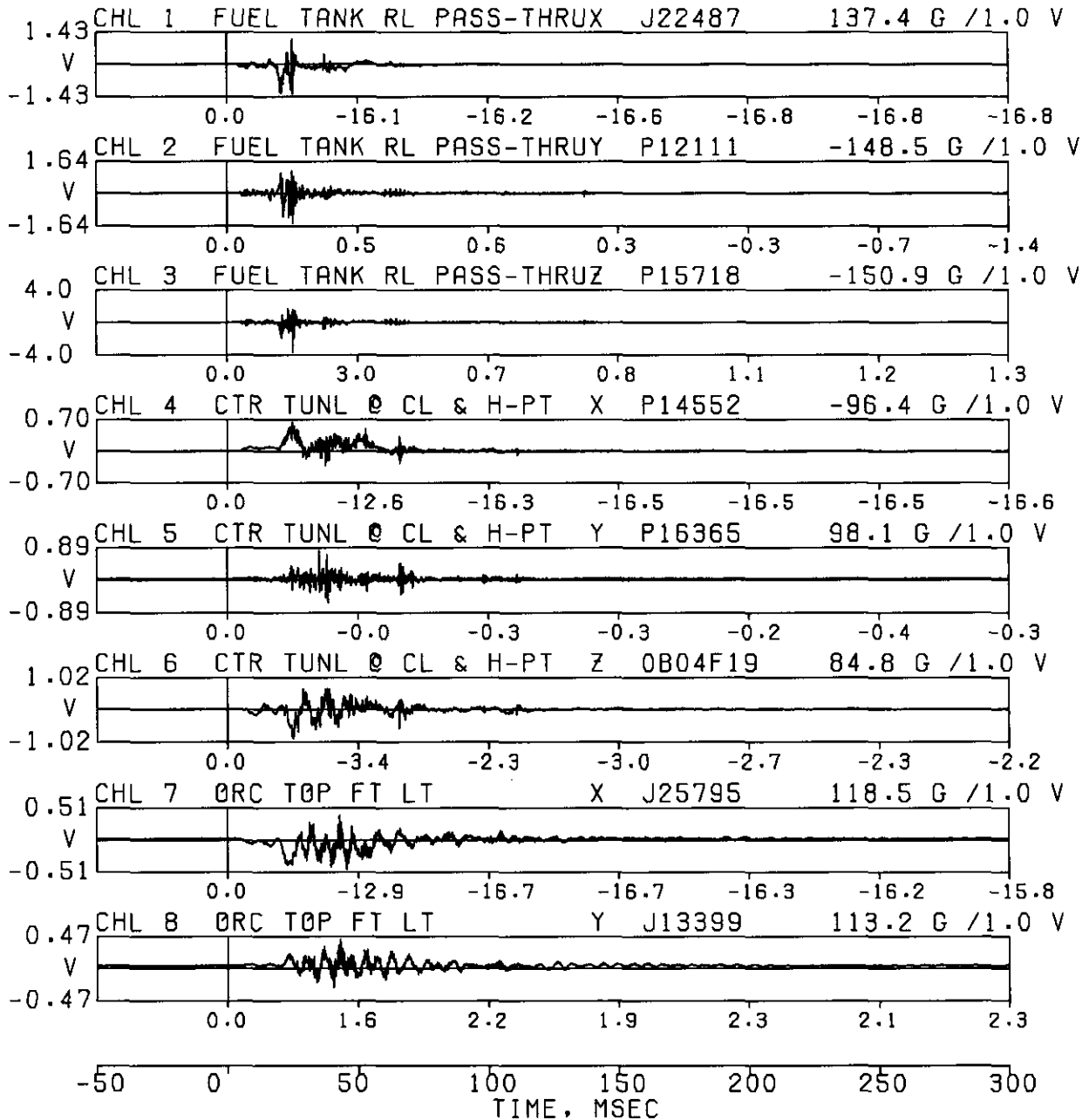
PAGE: 066 RT RAIL MBAR MID X , Chl 66, VD

TRANSDUCER SUMMARY REPORT

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
 2002 MVSS 301 REAR IMPACT DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320
 DEC 8,2000

PAGE 001
 OF 066
 DATA SET 12/08/00BA
 ERRATA 1

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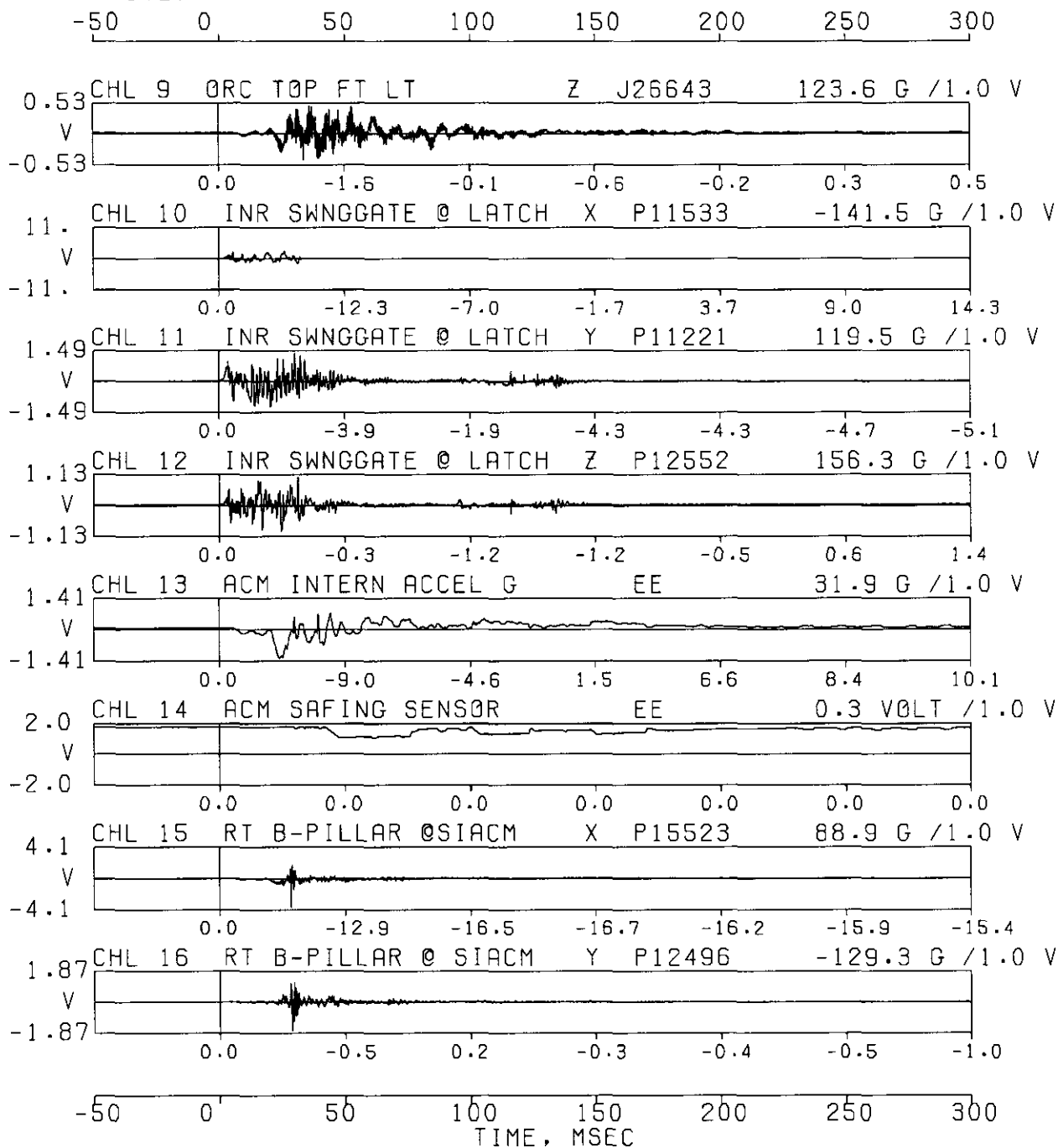


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 002
OF 066
DATA SET 12/08/00BA
ERRATA 1



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TRANSDUCER SUMMARY REPORT

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
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PAGE 003
OF 066

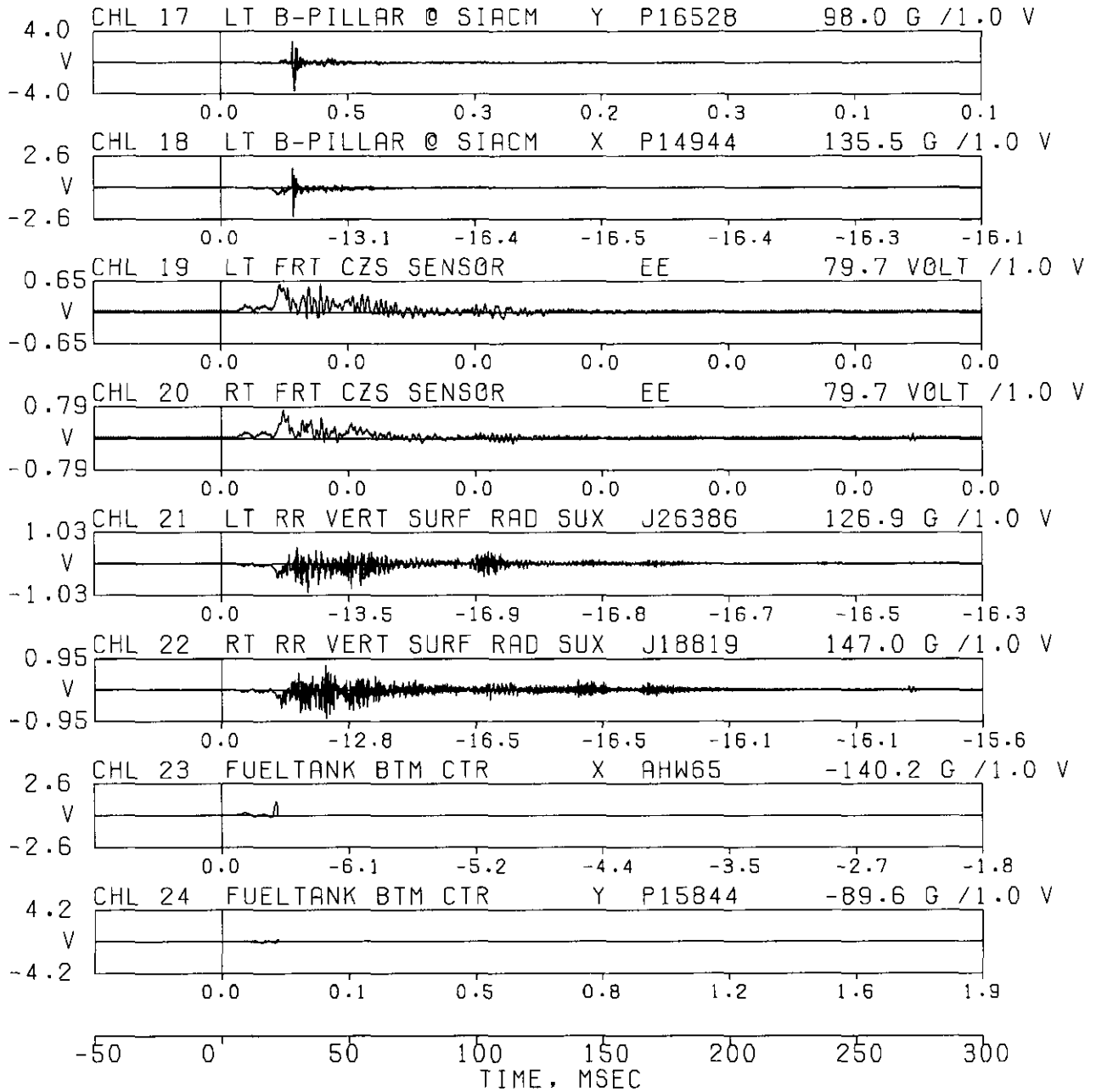
DATA SET 12/08/00BB

DEC 8,2000

ERRATA

1

-50 0 50 100 150 200 250 300



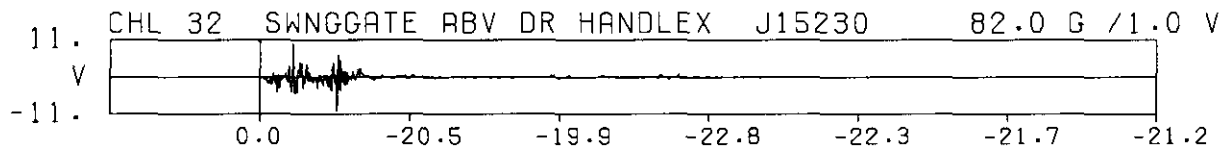
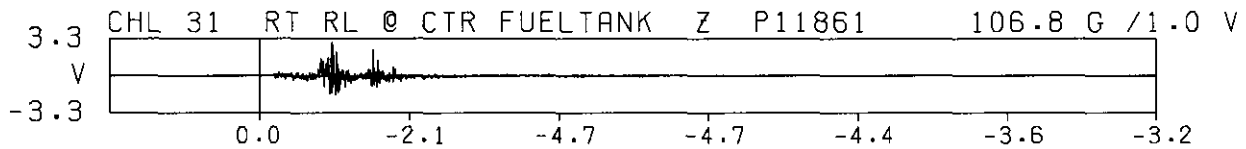
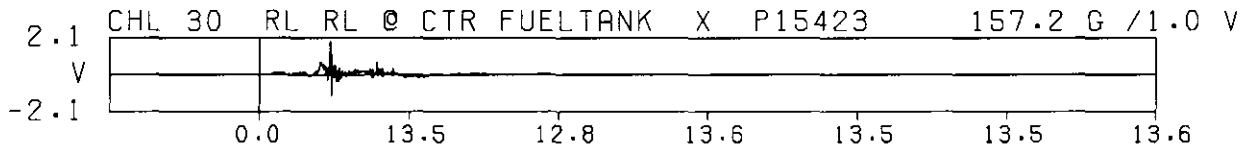
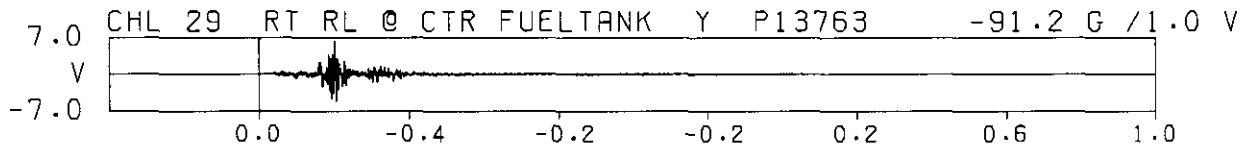
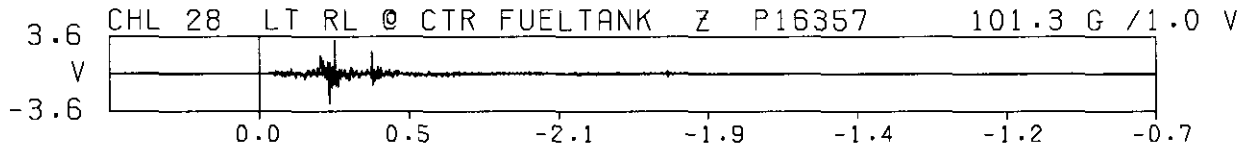
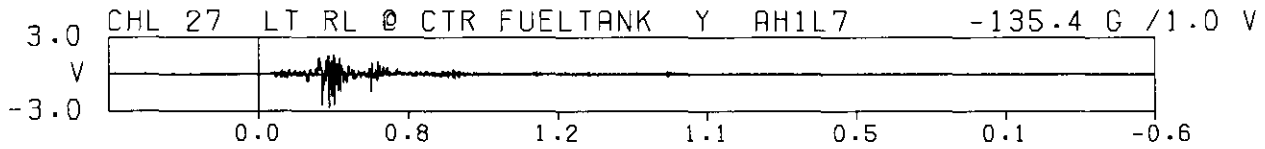
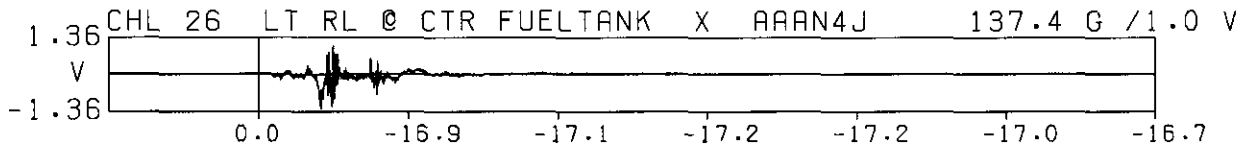
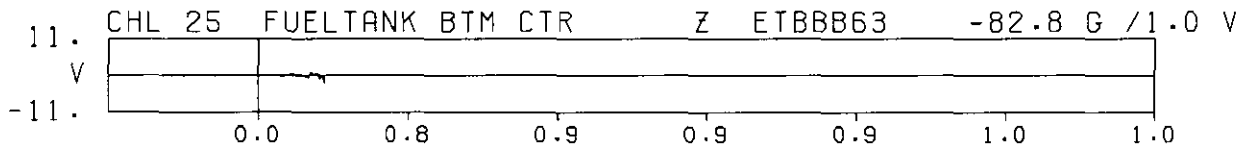
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
 2002 MVSS 301 REAR IMPACT DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320
 DEC 8,2000

PAGE 004
 OF 066
 DATA SET 12/08/00BB
 ERRATA 1

-50 0 50 100 150 200 250 300



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

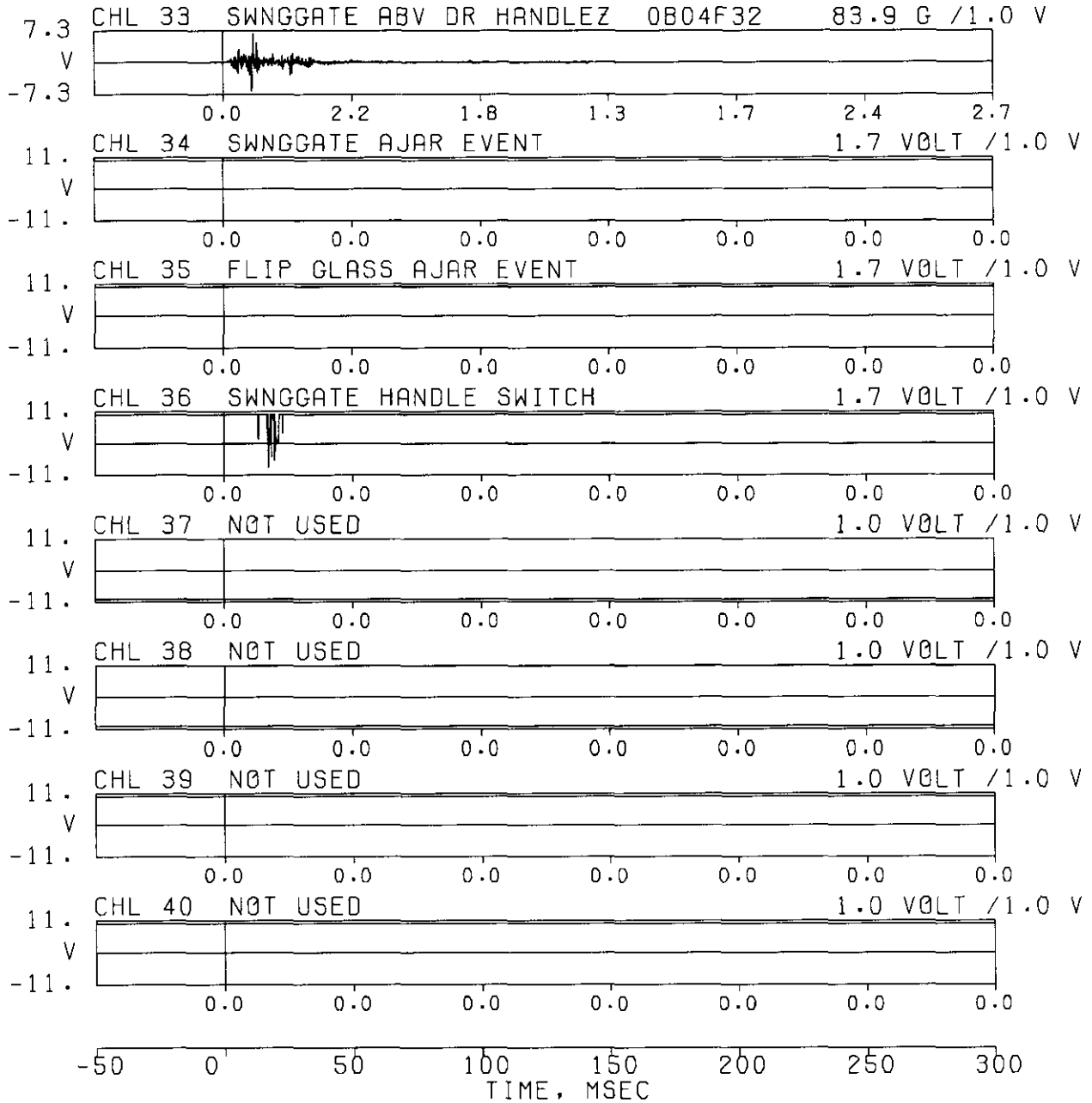
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 005
OF 066
DATA SET 12/08/00BC
ERRATA 1

-50 0 50 100 150 200 250 300



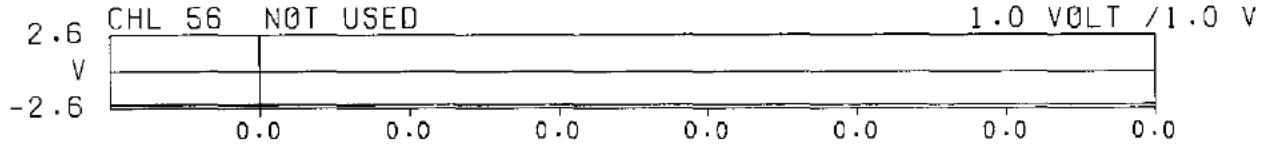
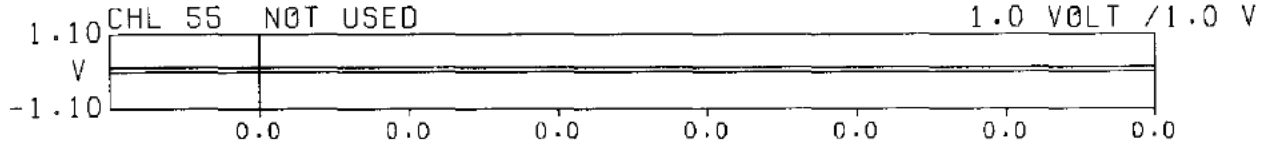
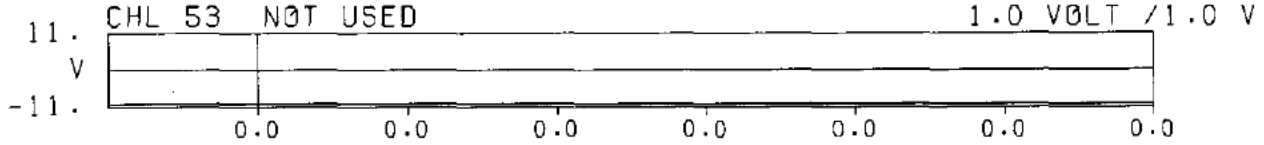
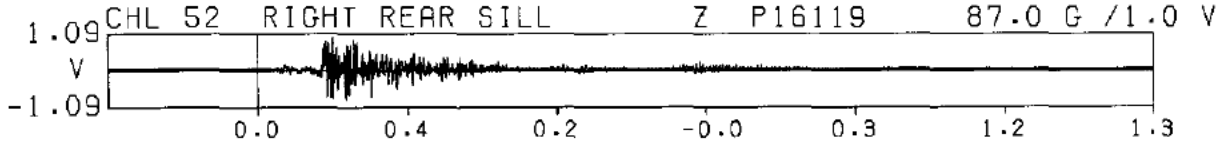
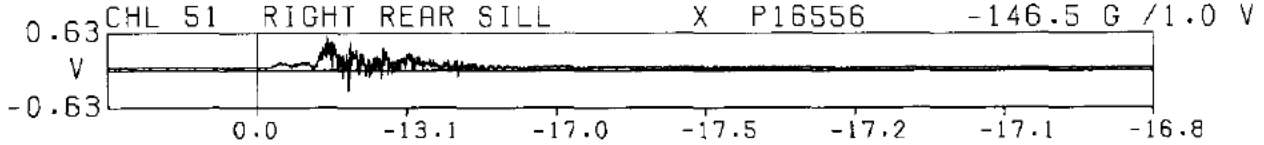
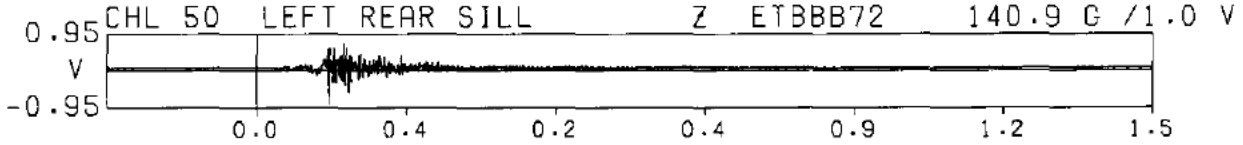
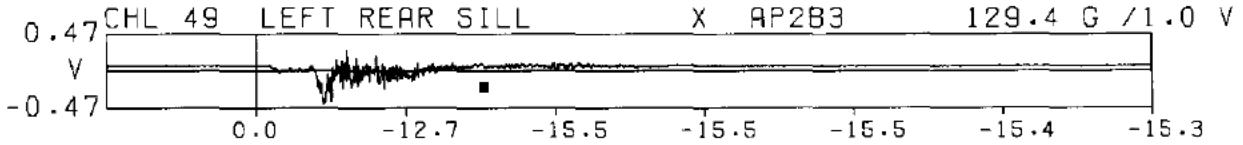
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
 2002 MVSS 301 REAR IMPACT DEVELOPMENT.
 IMPACT ANALYSIS DEPT. 5320
 DEC 8.2000

PAGE 006
 OF 066
 DATA SET 12/08/00BD
 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

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
IMPACT ANALYSIS DEPT. 5320

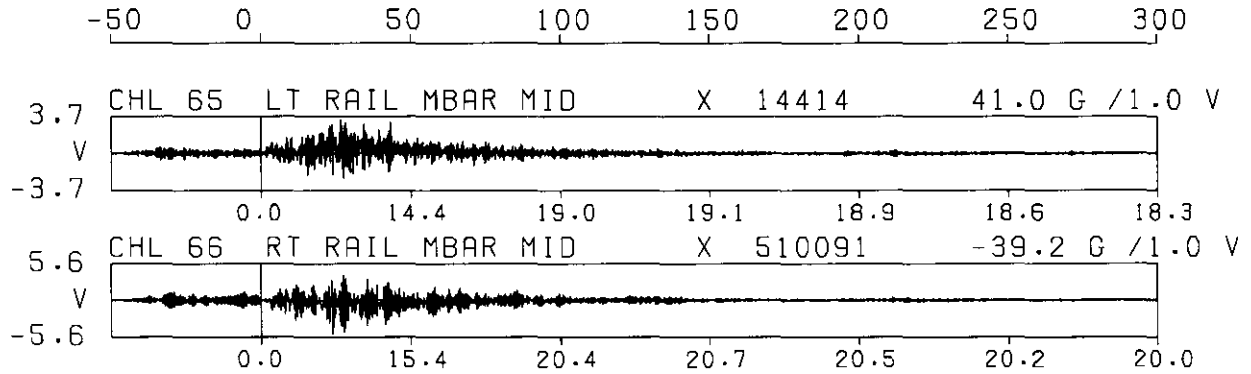
PAGE 007
OF 066

DATA SET 12/08/00BE

DEC 8,2000

ERRATA

1



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

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

AVERAGE OF

CHANNEL 049 LEFT REAR SILL X AP2B3
CHANNEL 051 RIGHT REAR SILL X P16556

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

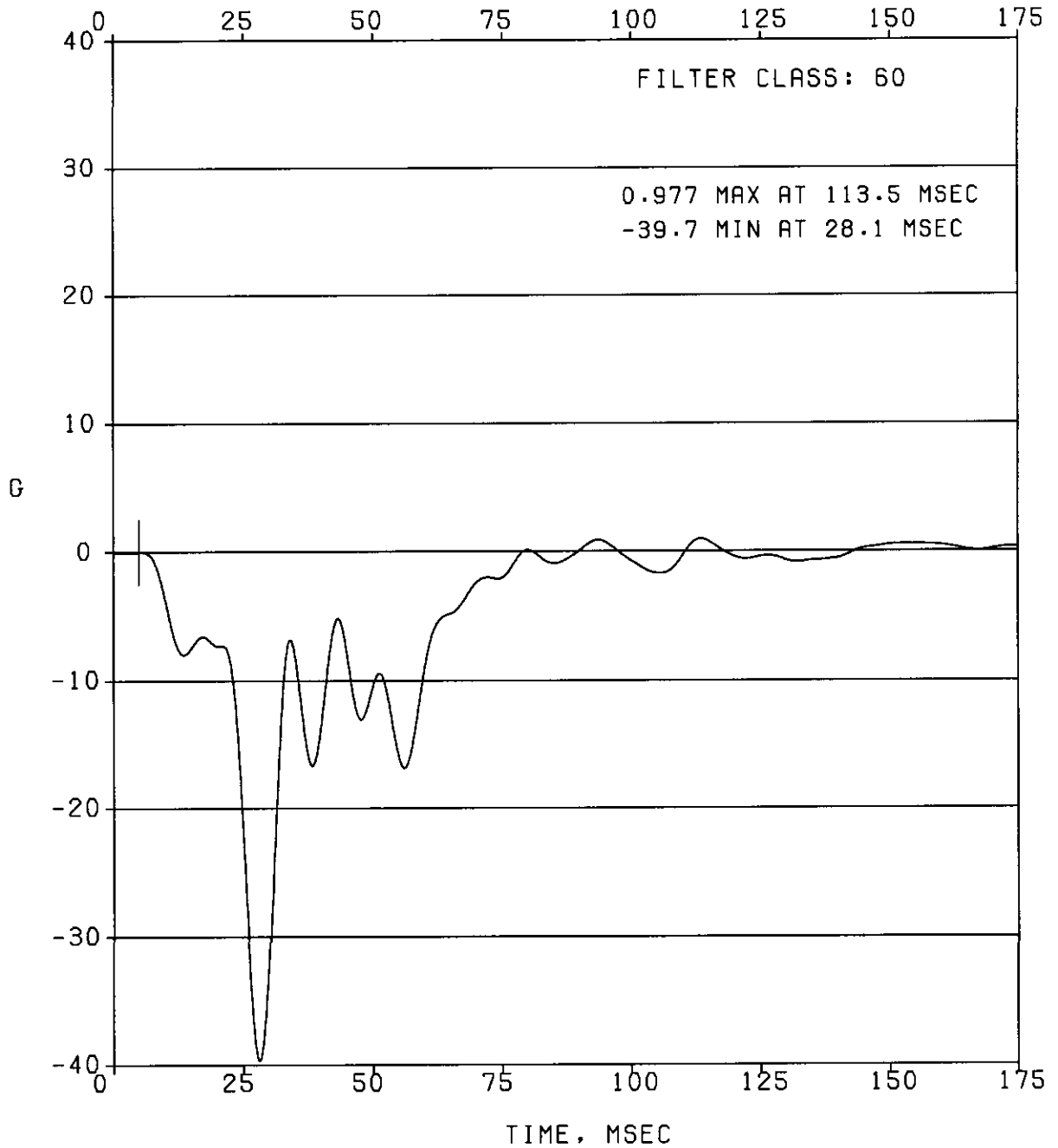
IMPACT ANALYSIS DEPT. 5320

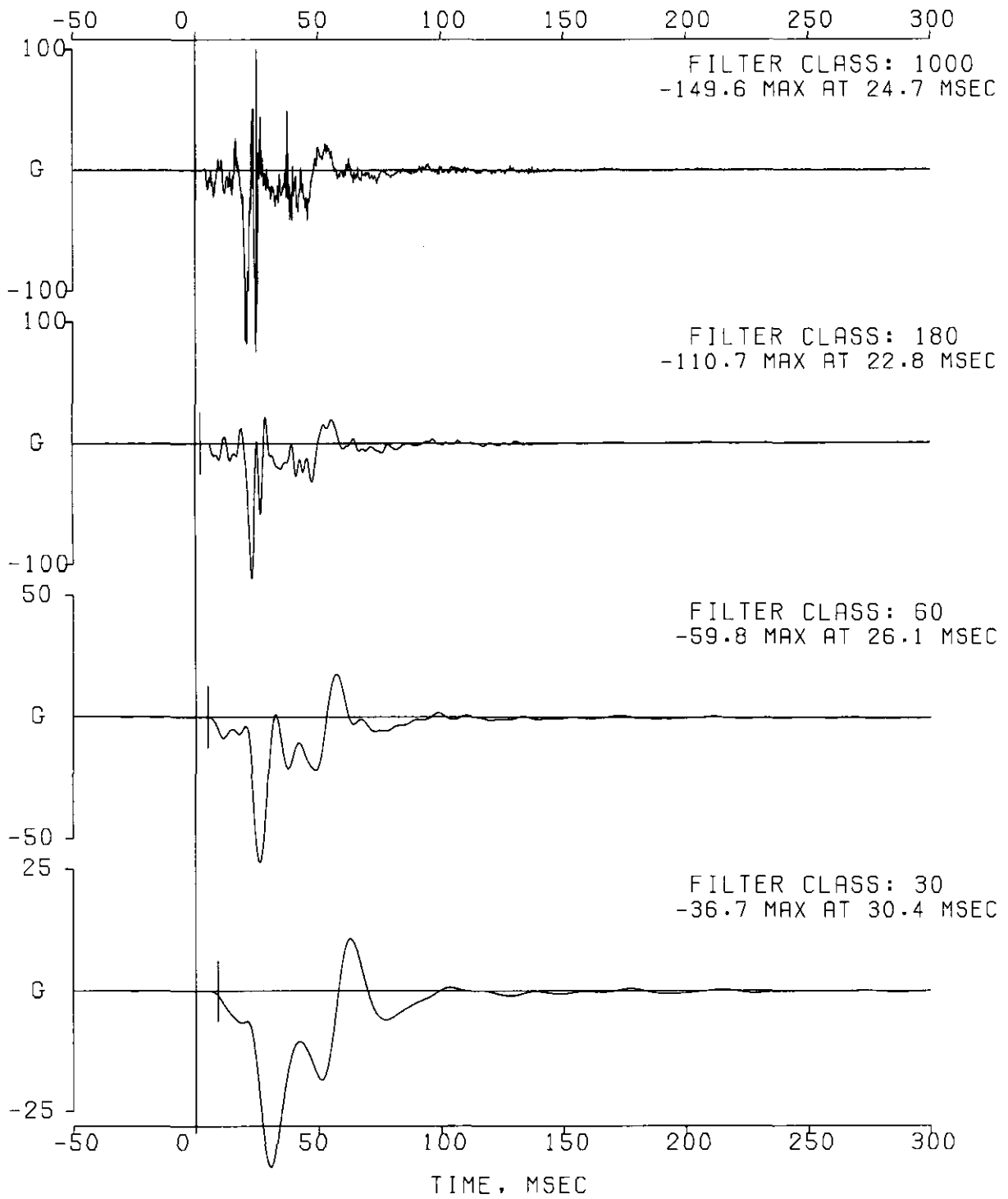
DATA SET 12/08/00BD

DEC 8.2000

ERRATA

1

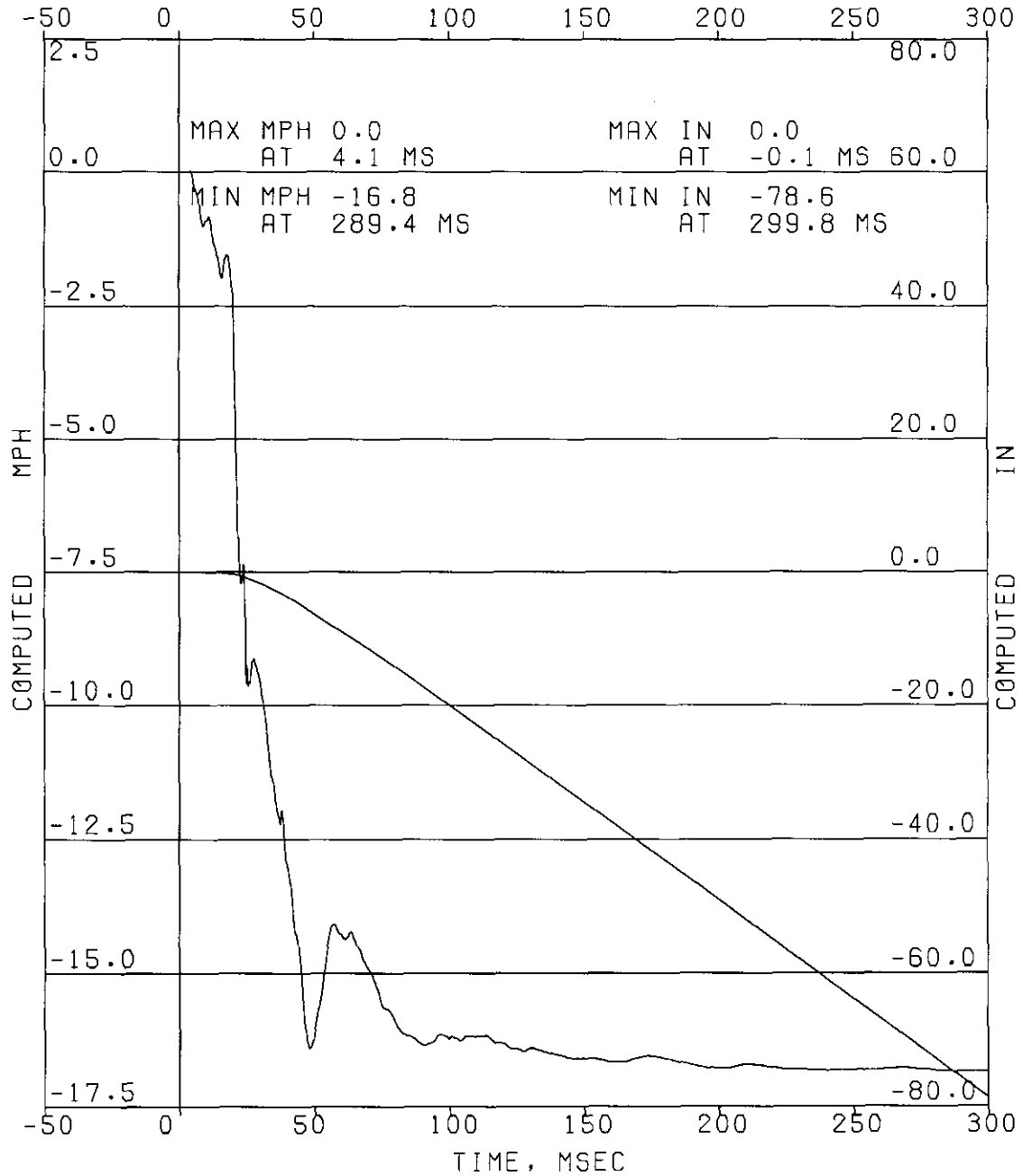




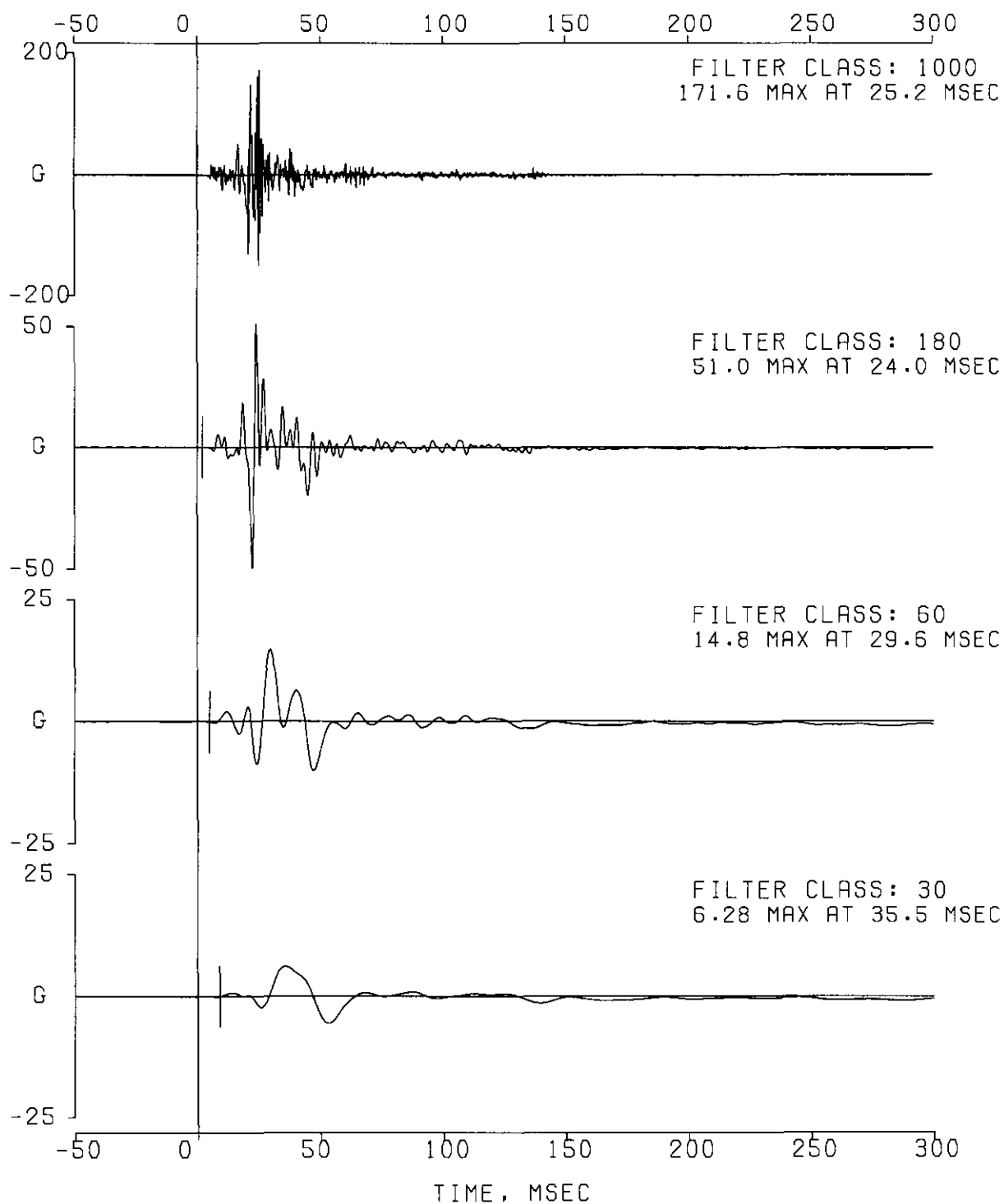
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

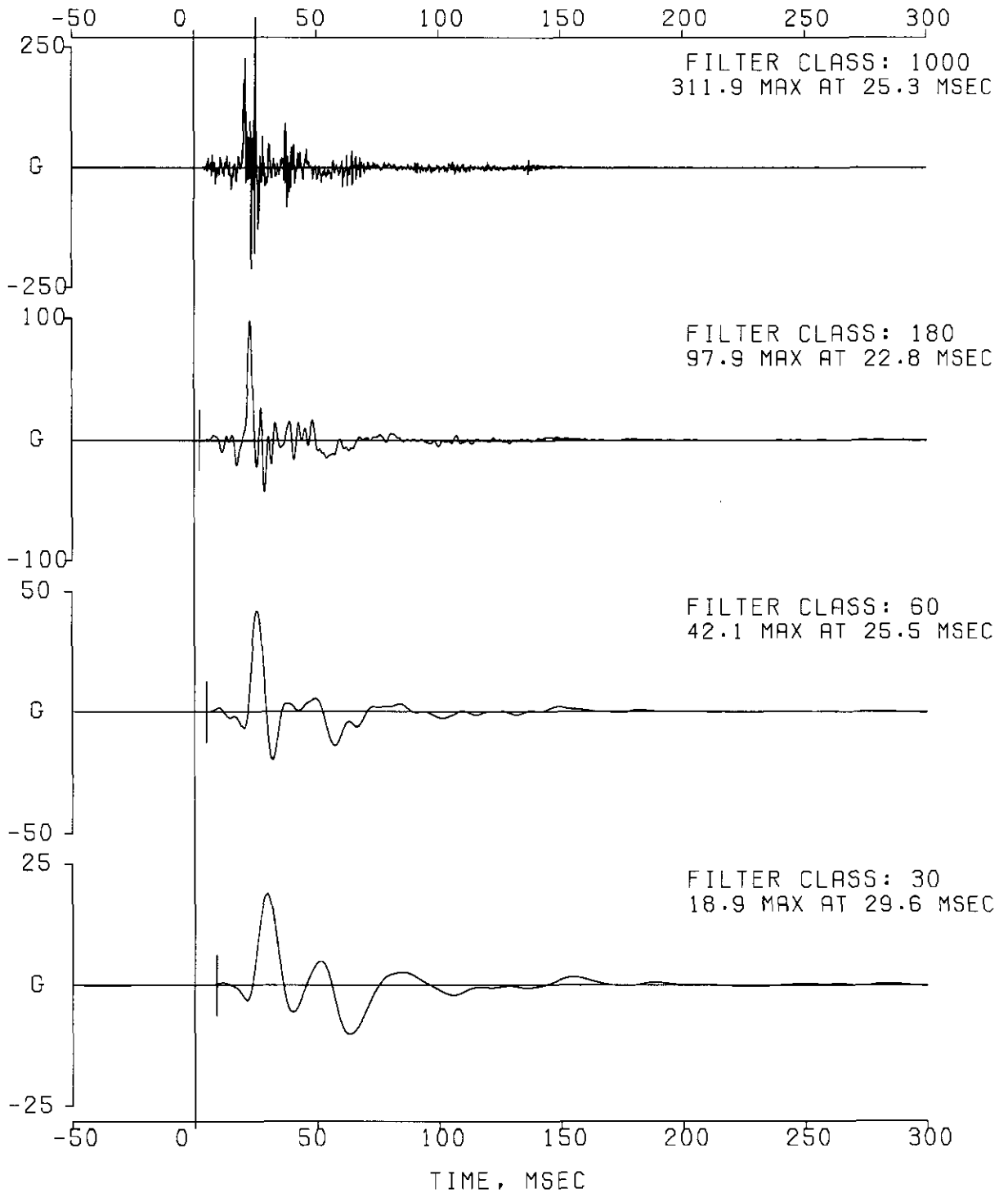
IMPACT ANALYSIS DEPT. 5320
DEC 8, 2000

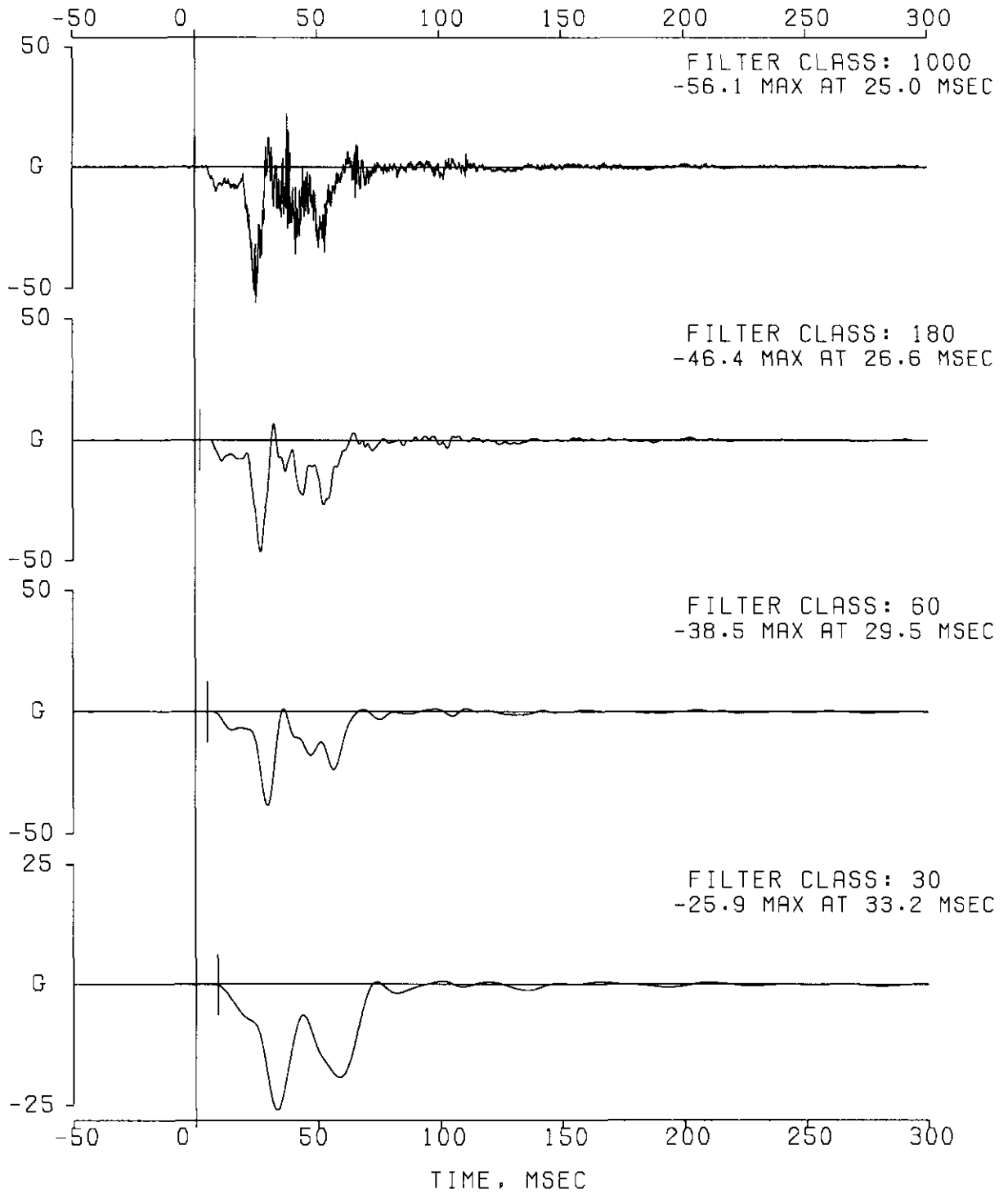
DATA SET 12/08/00BA
ERRATA 1



COMPUTED MPH
COMPUTED IN



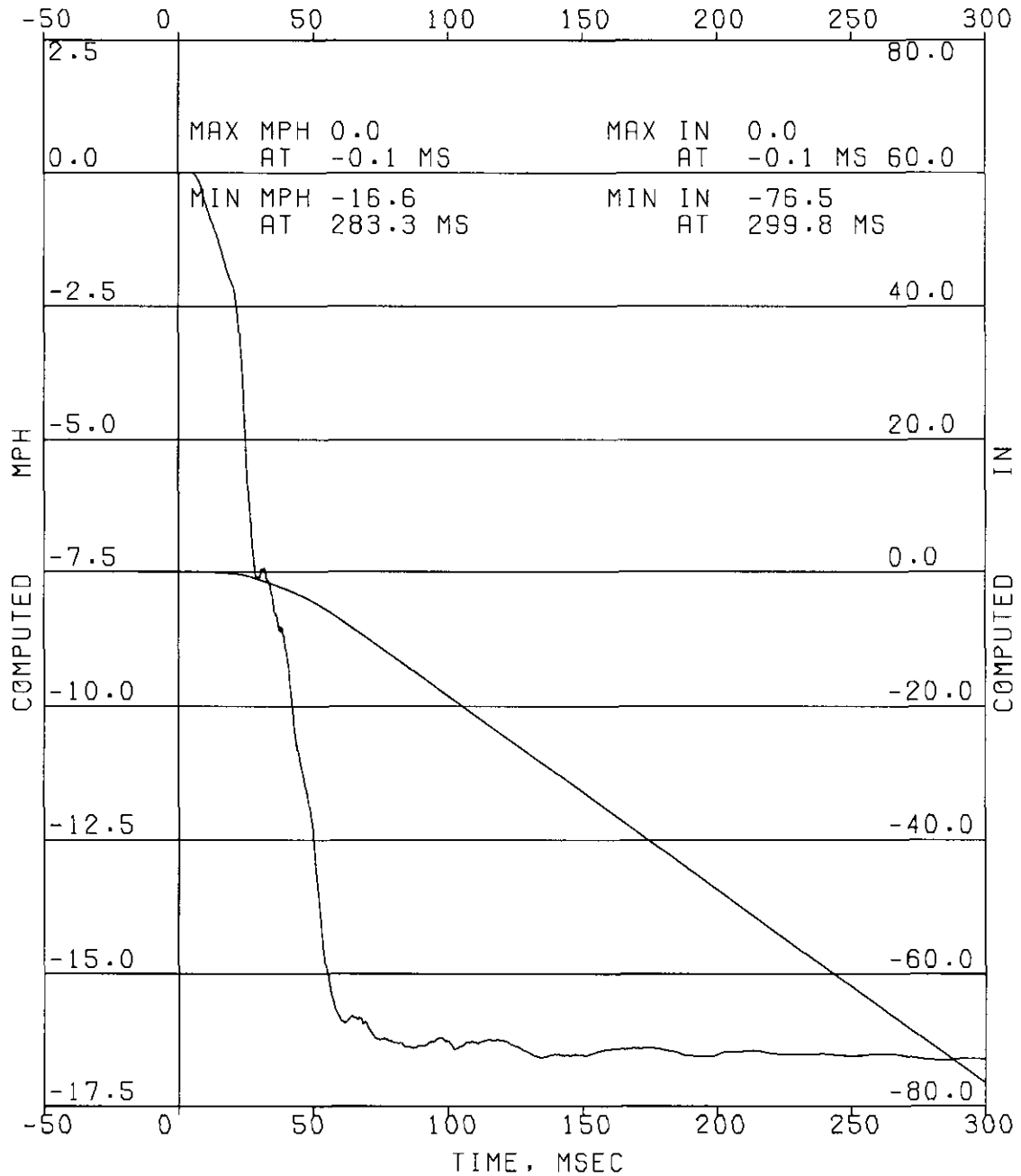




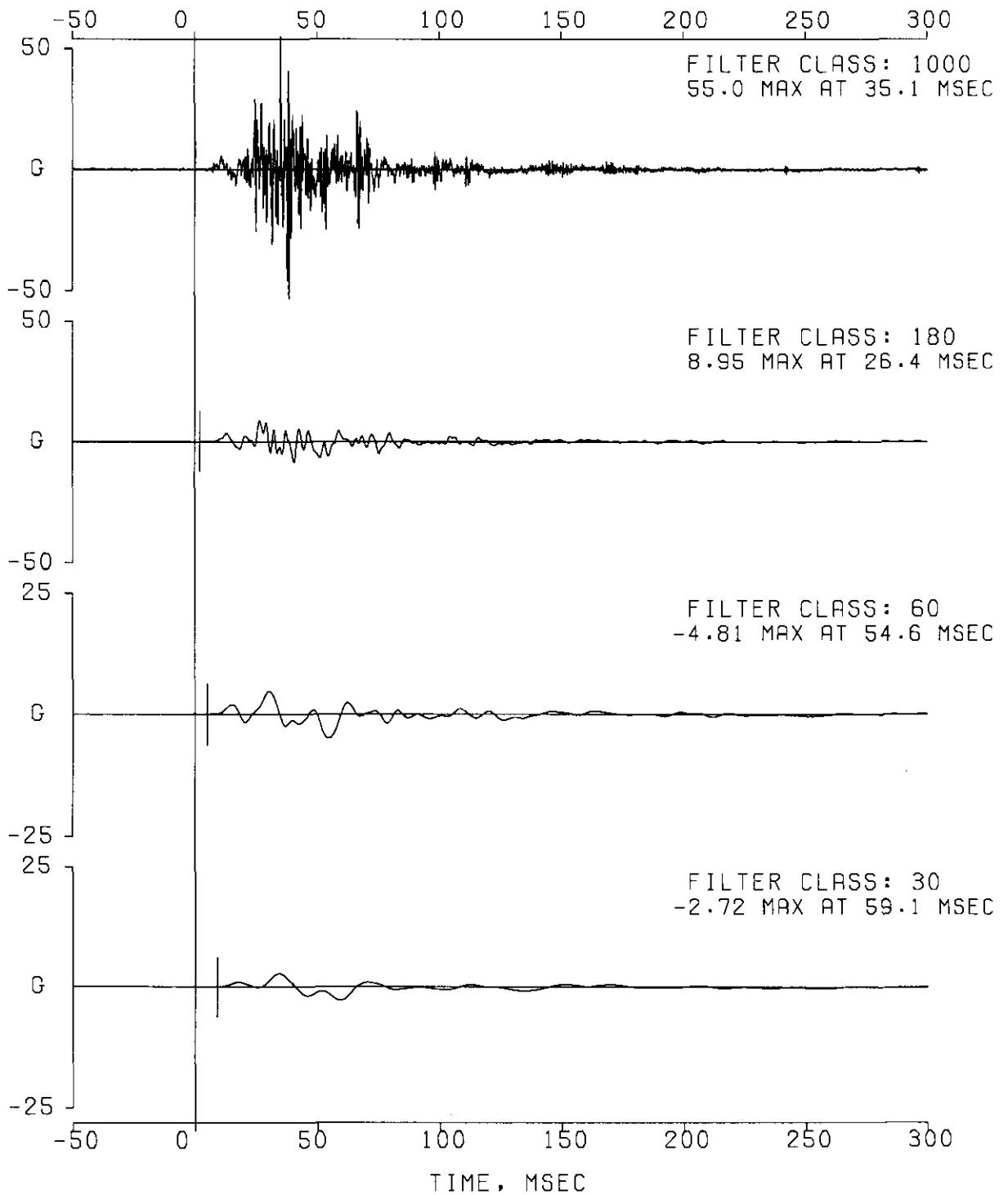
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

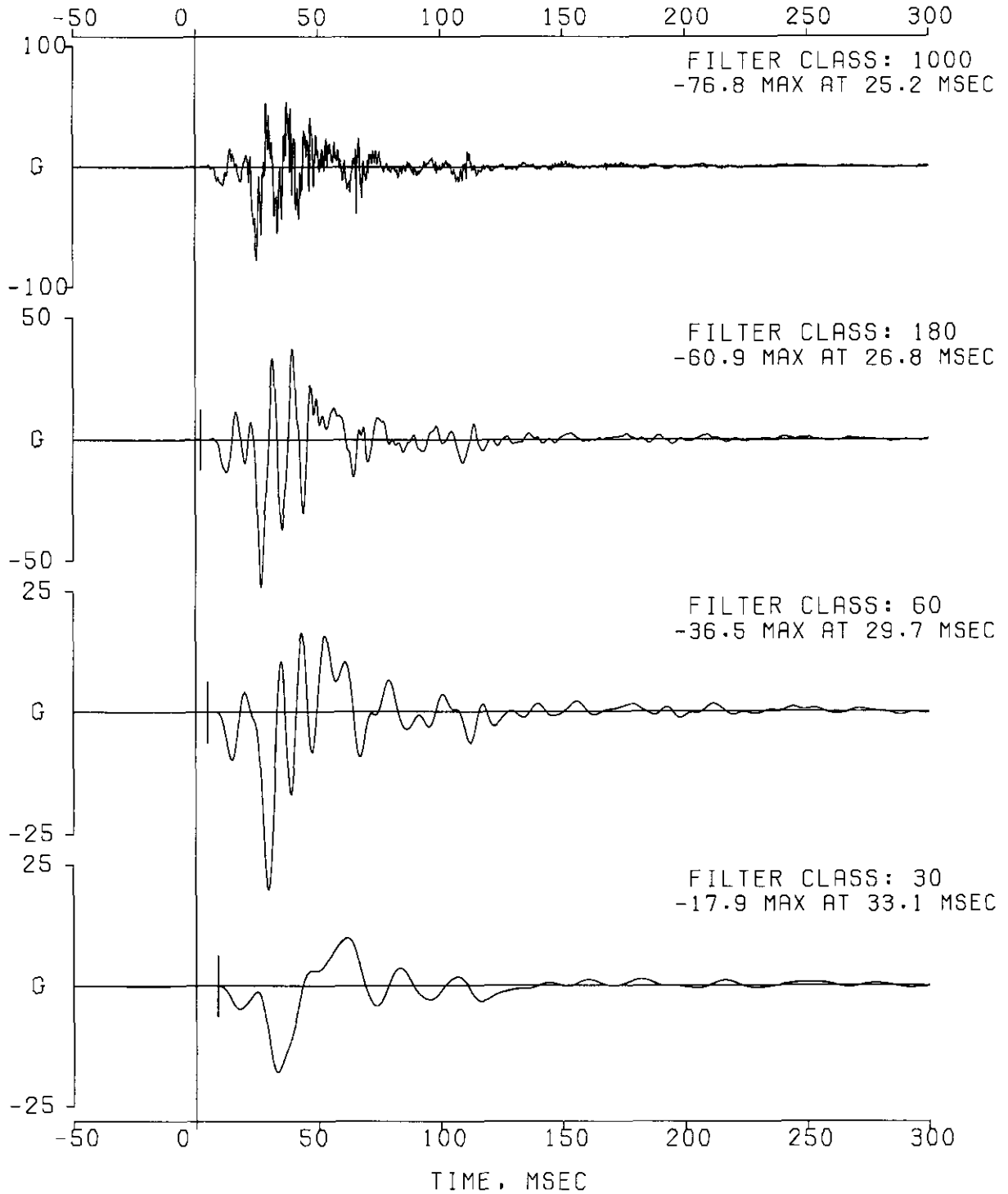
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

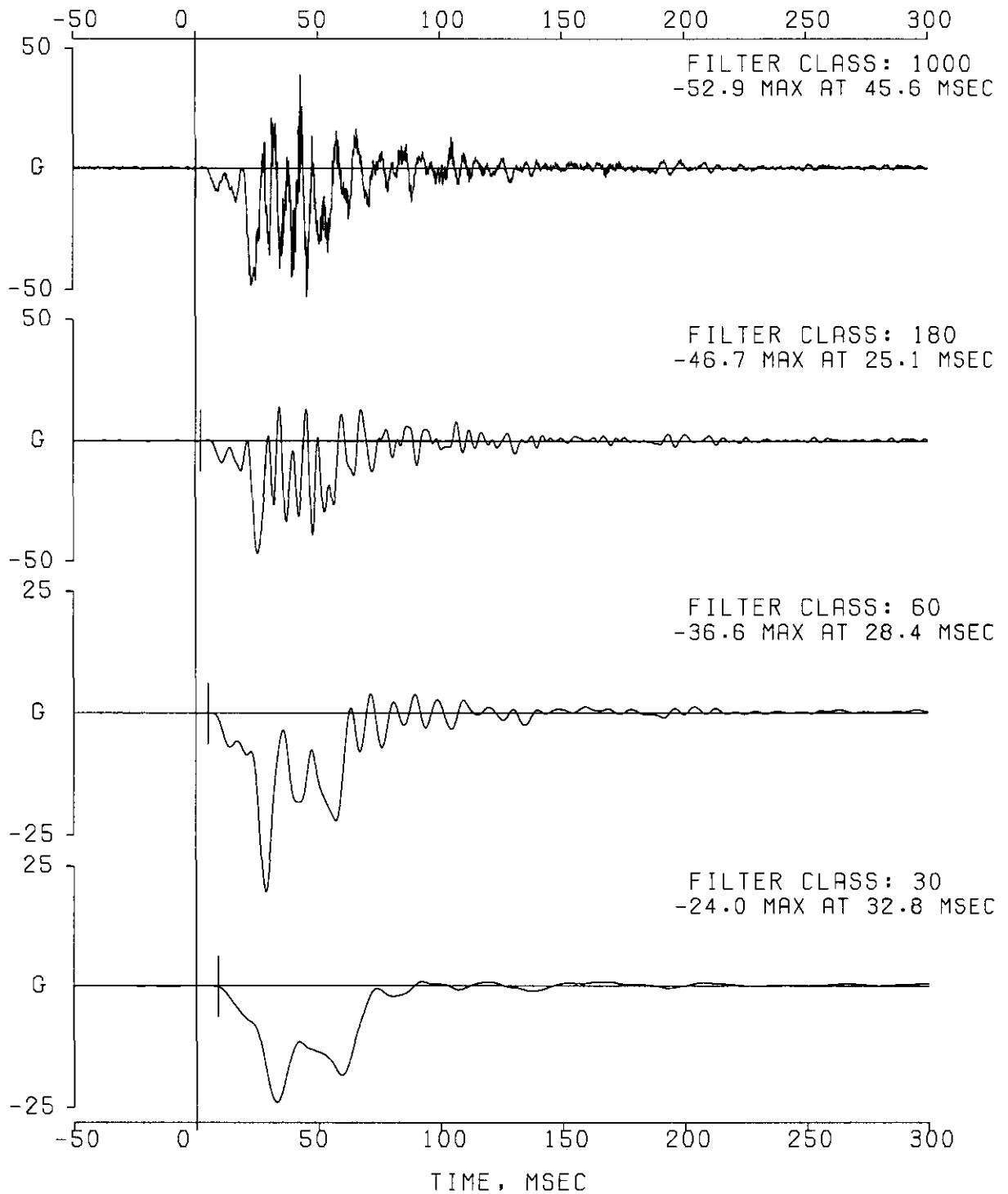
DATA SET 12/08/00BA
ERRATA 1



COMPUTED MPH
COMPUTED IN



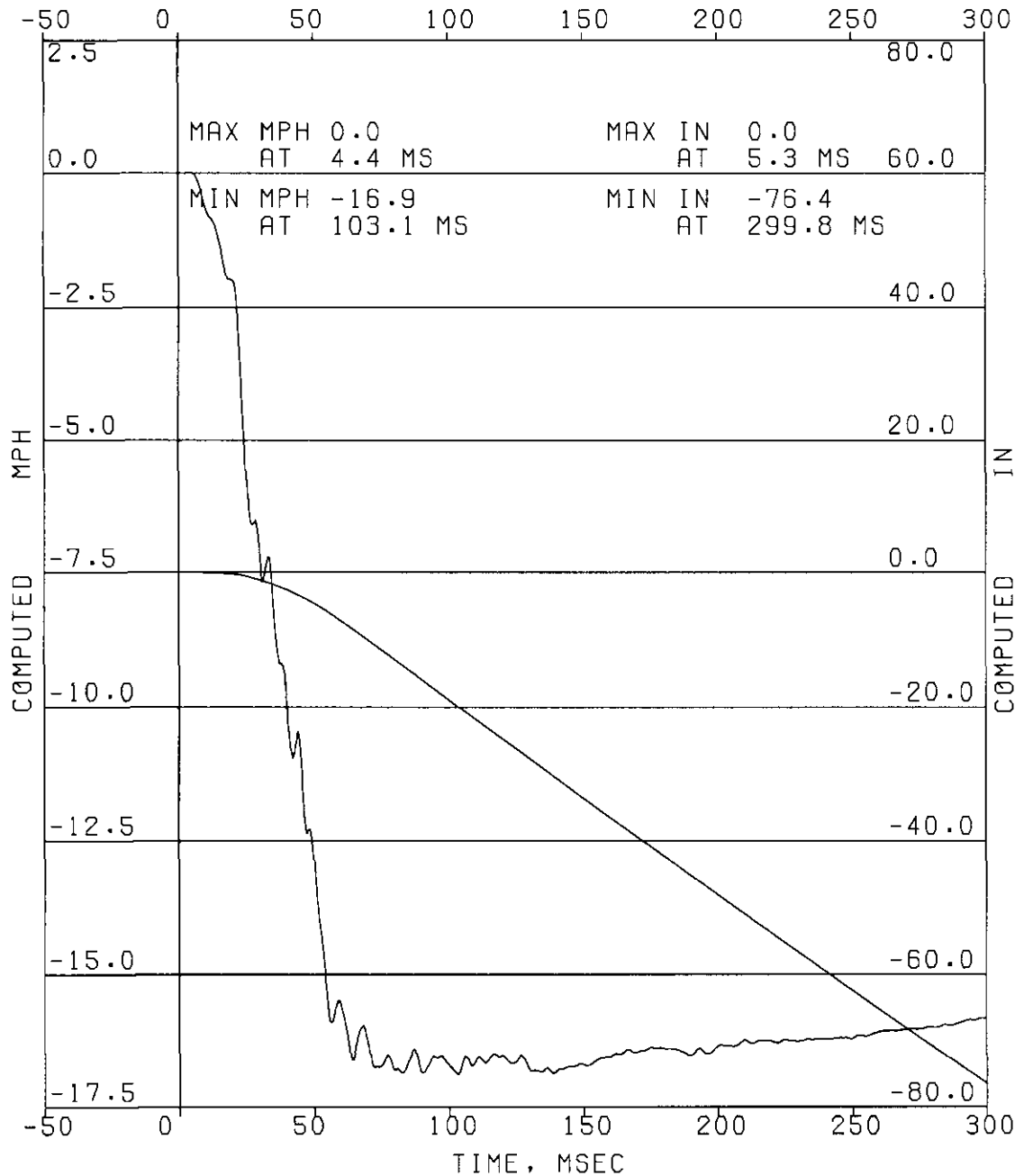




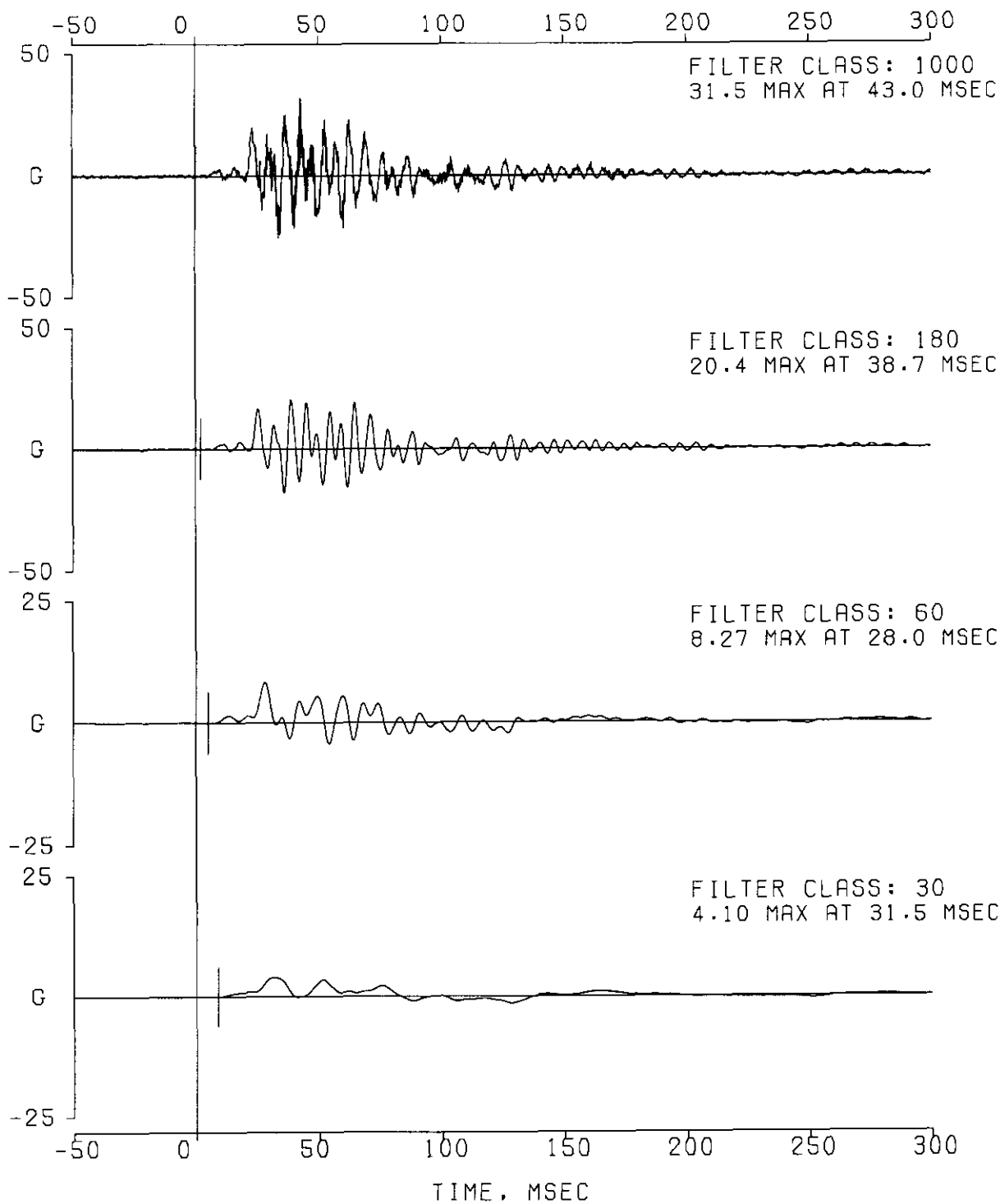
FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

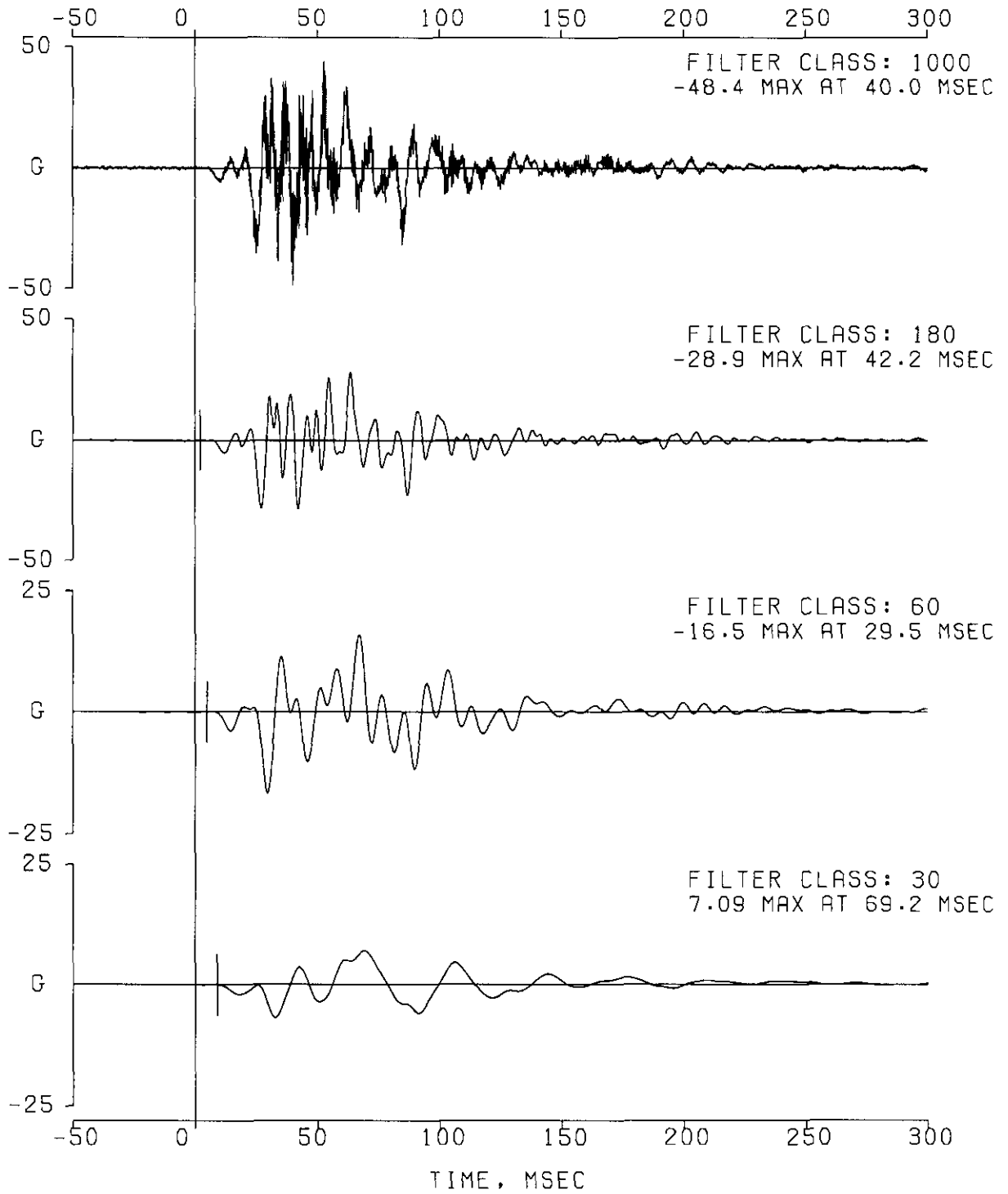
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

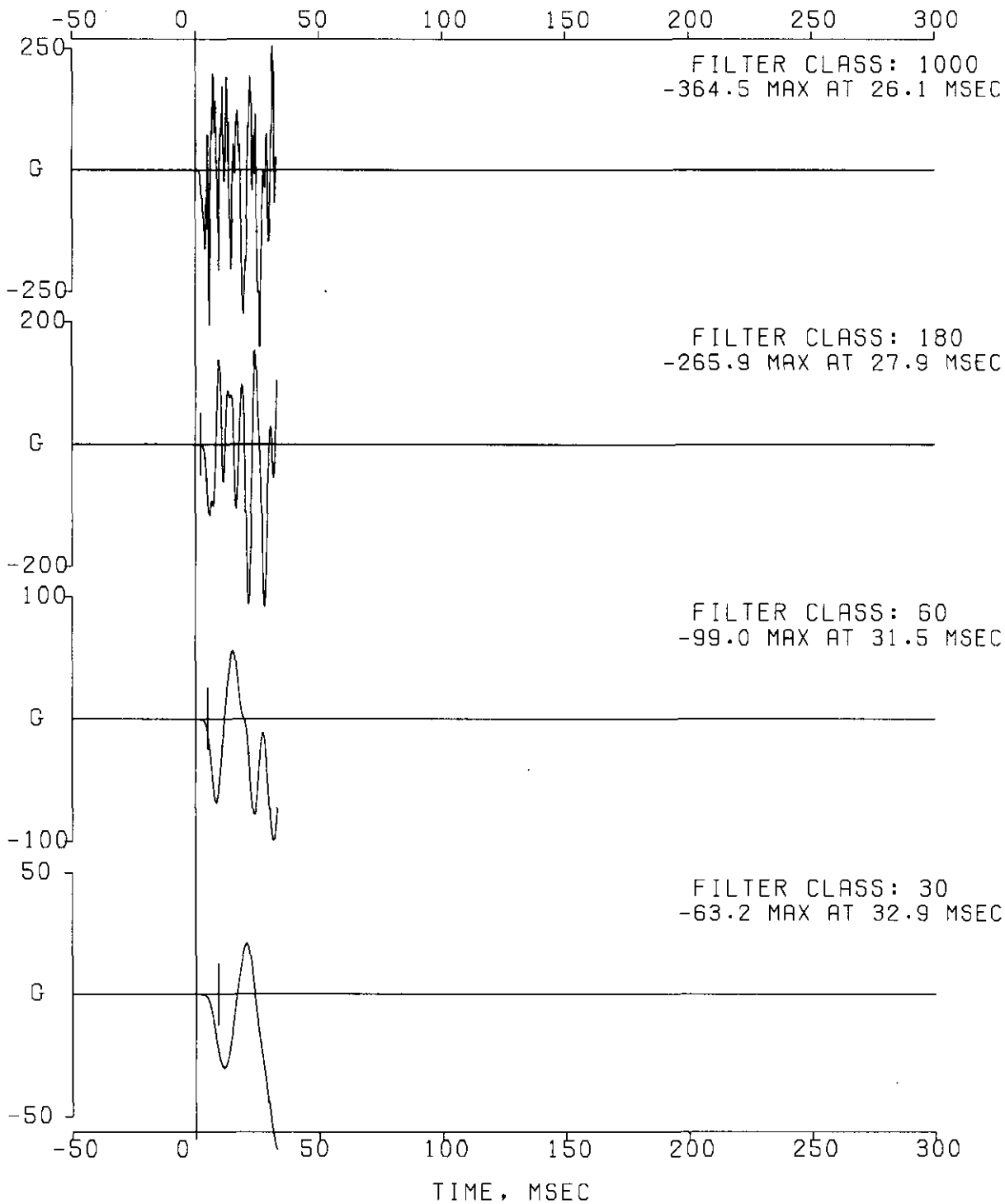
DATA SET 12/08/00BA
ERRATA 1



COMPUTED MPH
COMPUTED IN





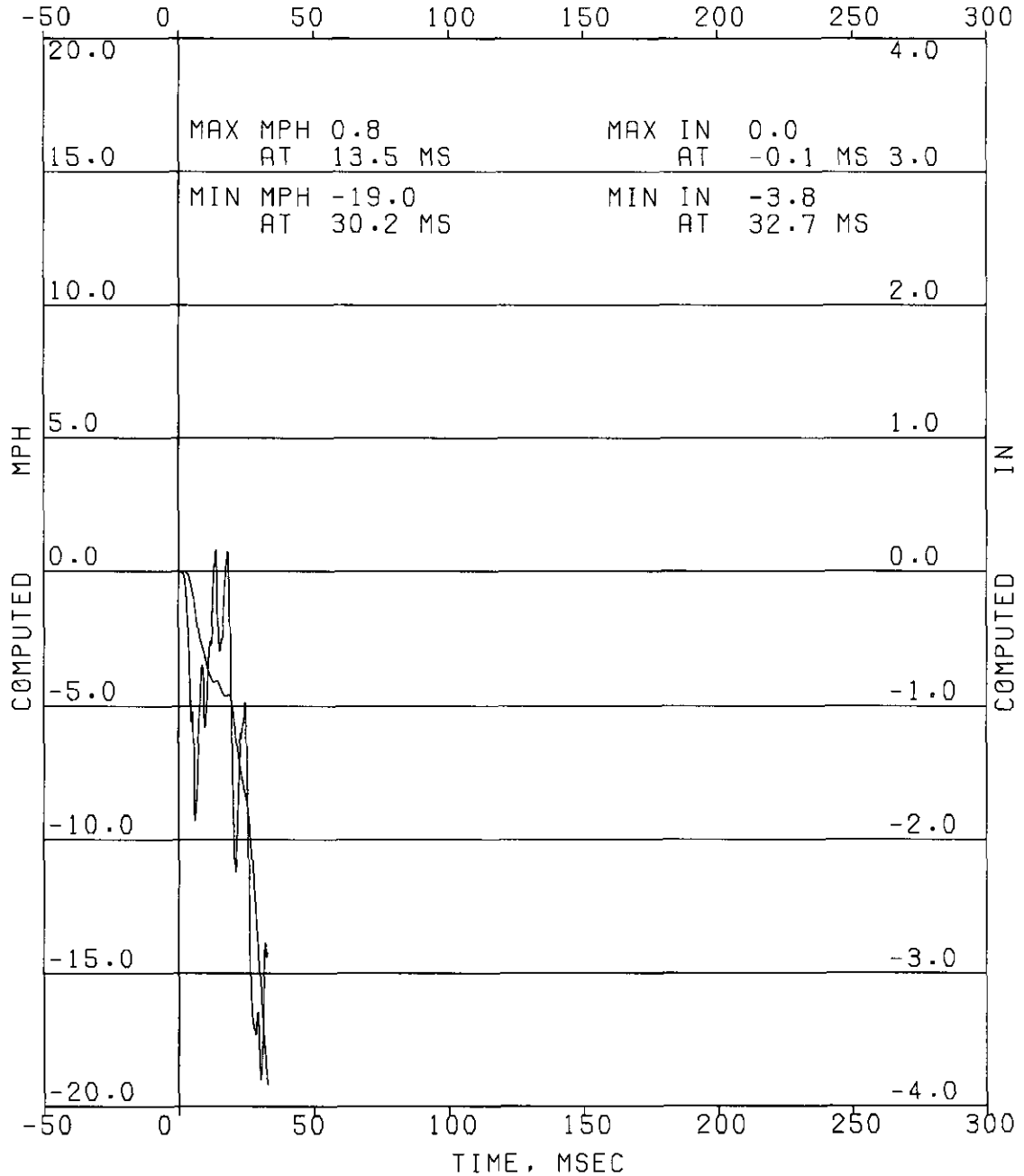


***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 32.9 MS *****

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

IMPACT ANALYSIS DEPT. 5320
 DEC 8,2000

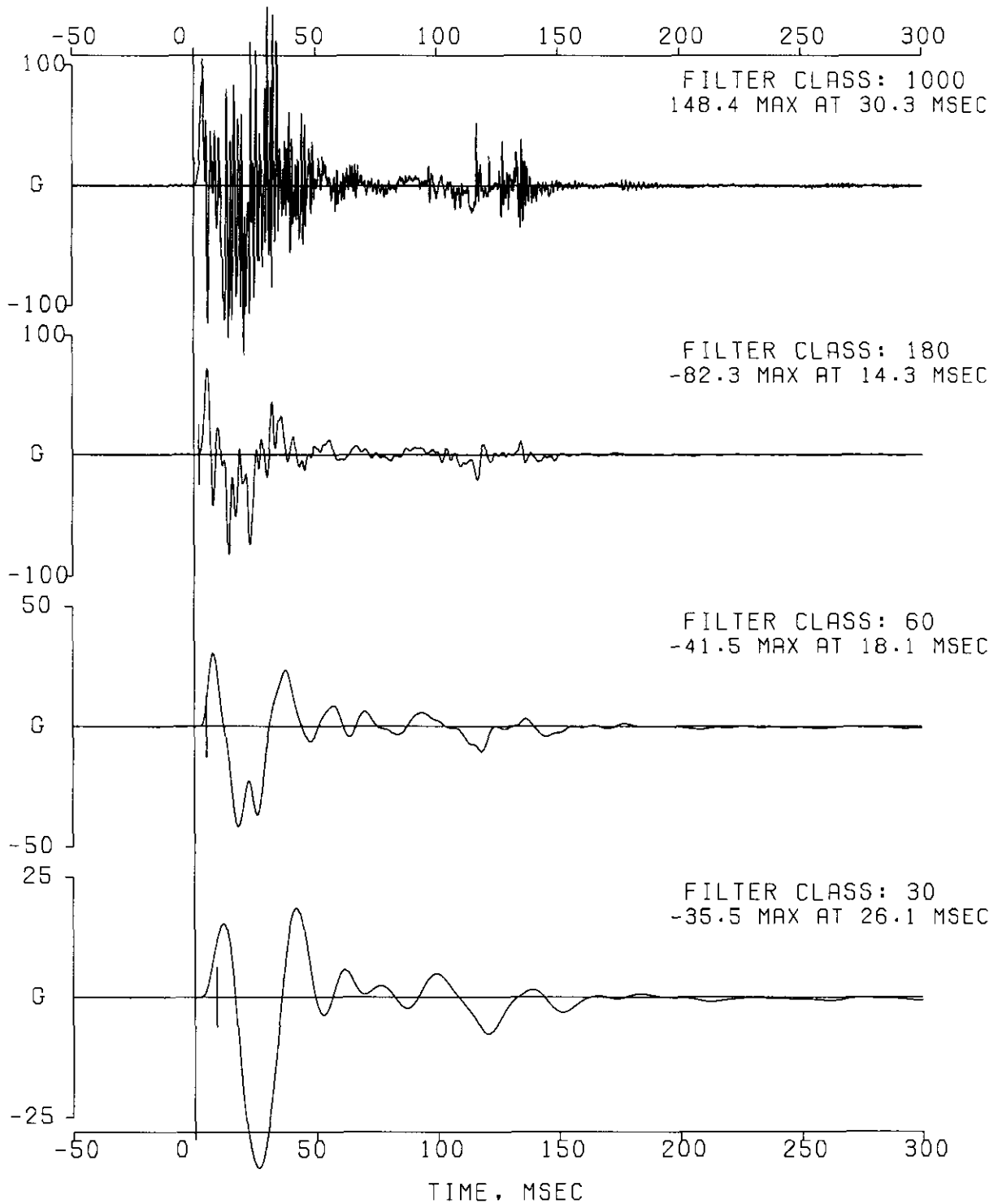
DATA SET 12/08/00BA
 ERRATA 1



***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 32.9 MS *****

COMPUTED MPH
 COMPUTED IN

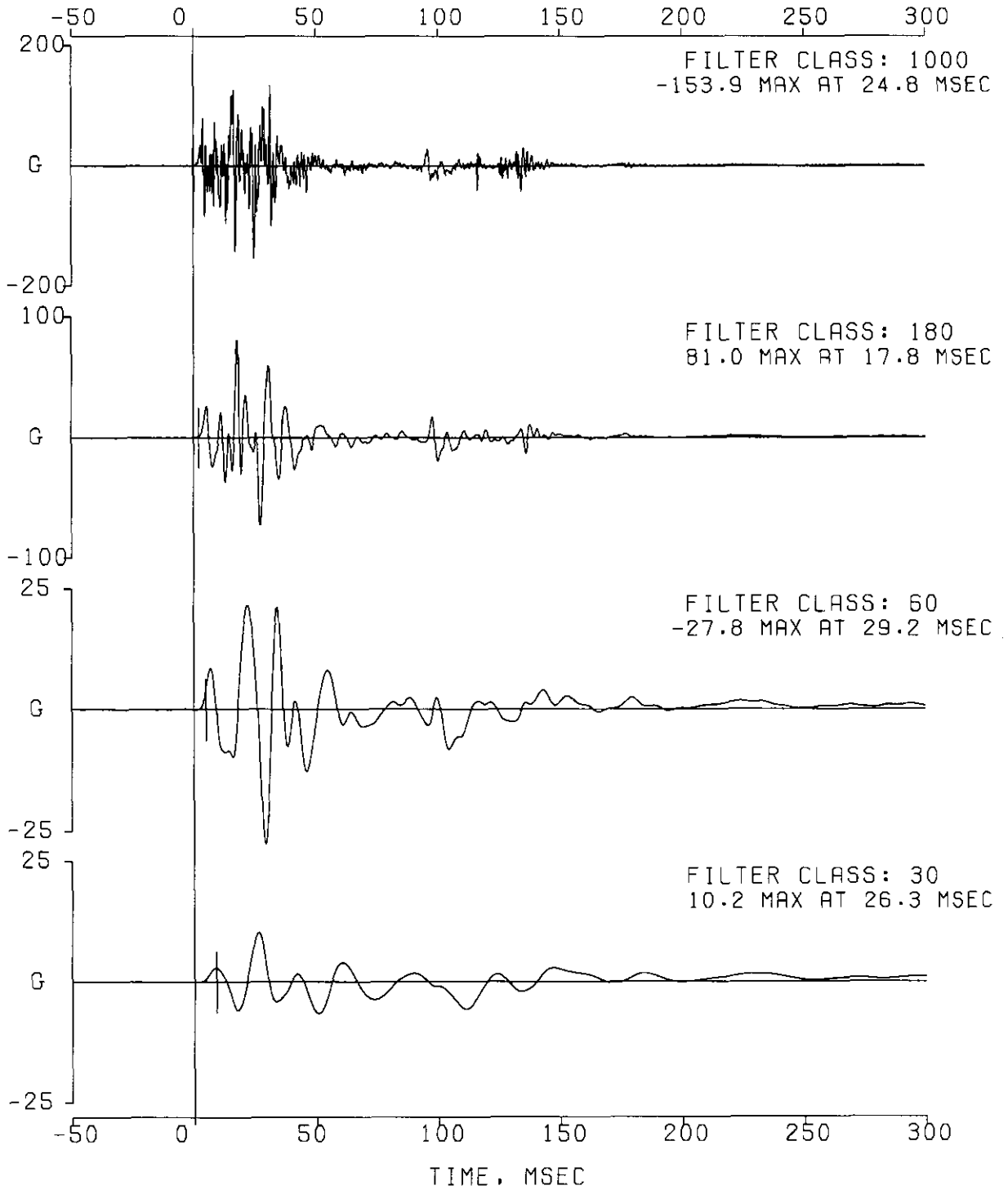
EA12-005- Chrysler -002831

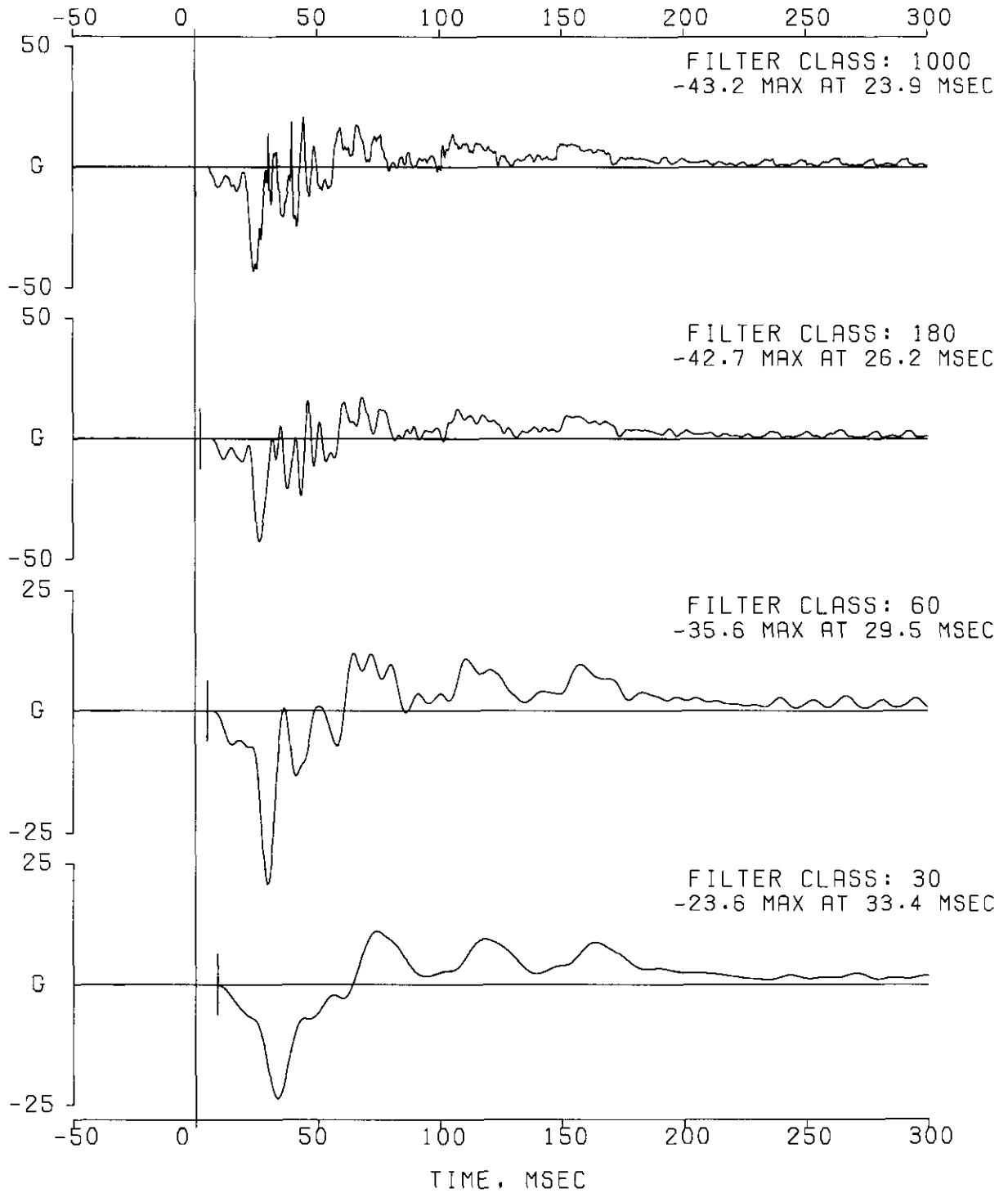


VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 012 INR SWNGGATE @ LATCH Z P12552
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 024
OF 066

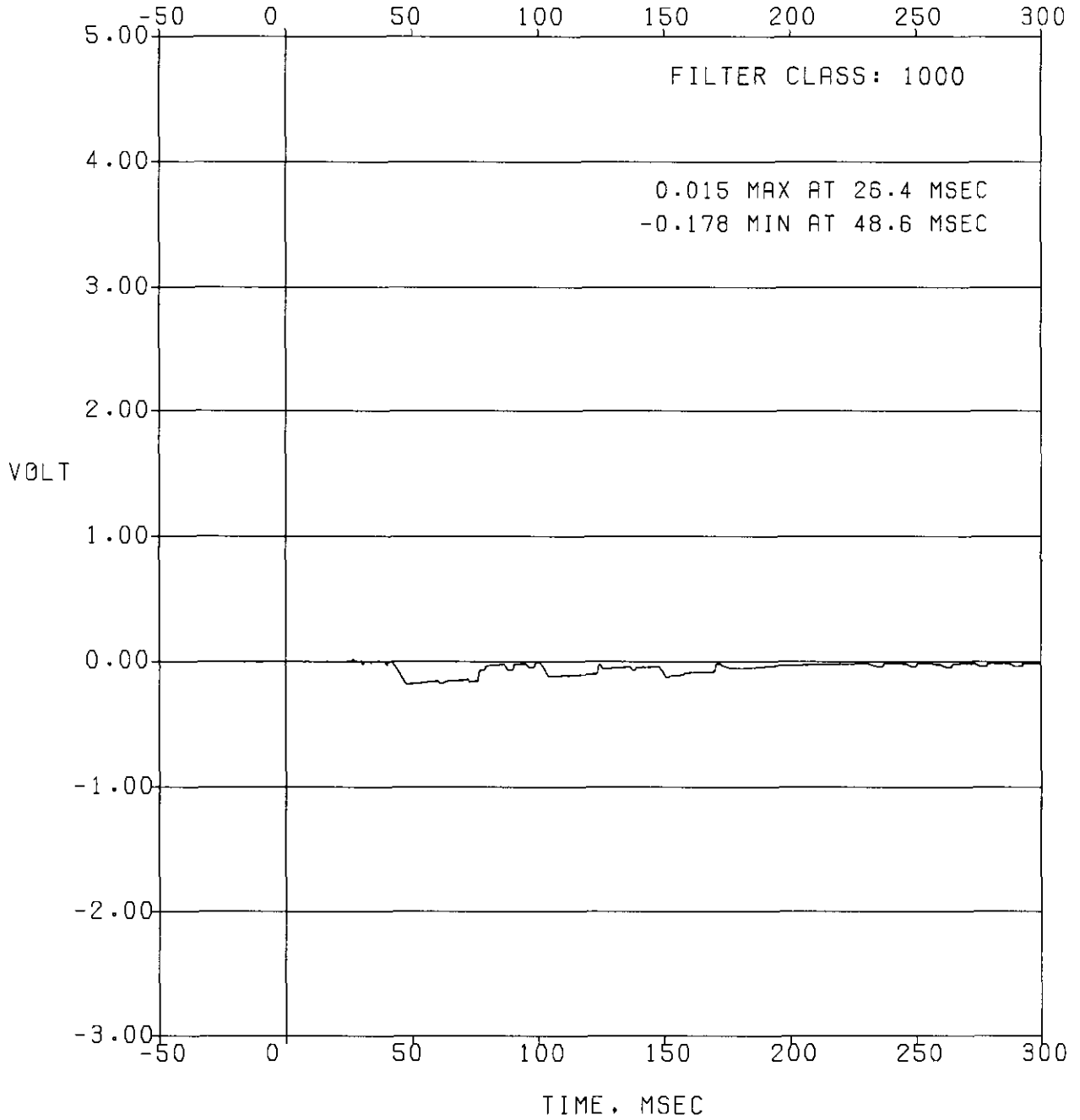
DATA SET 12/08/00BA
ERRATA 1



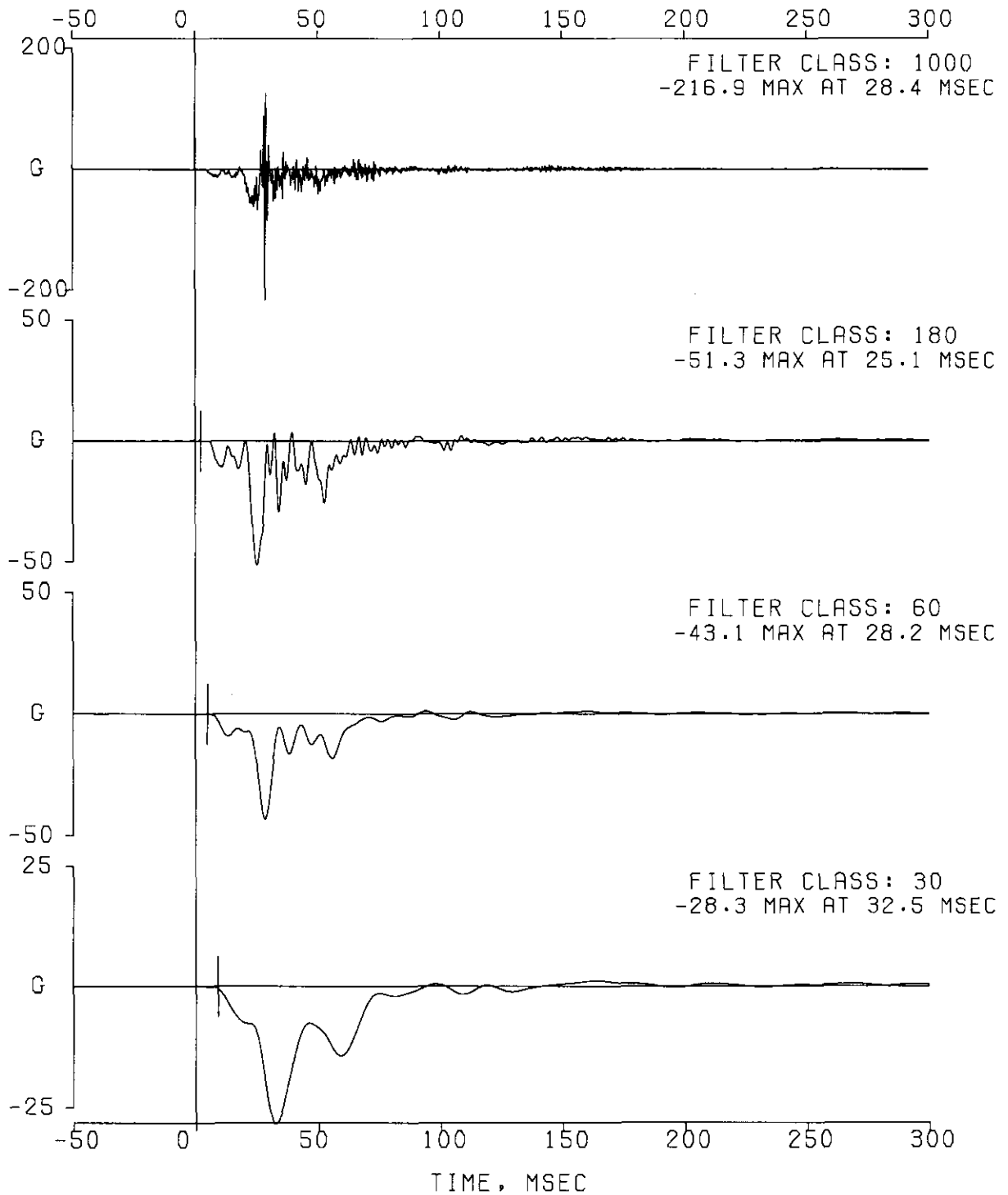


CHANNEL 014 ACM SAFING SENSOR EE

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/08/00BA
DEC 8,2000 ERRATA 1



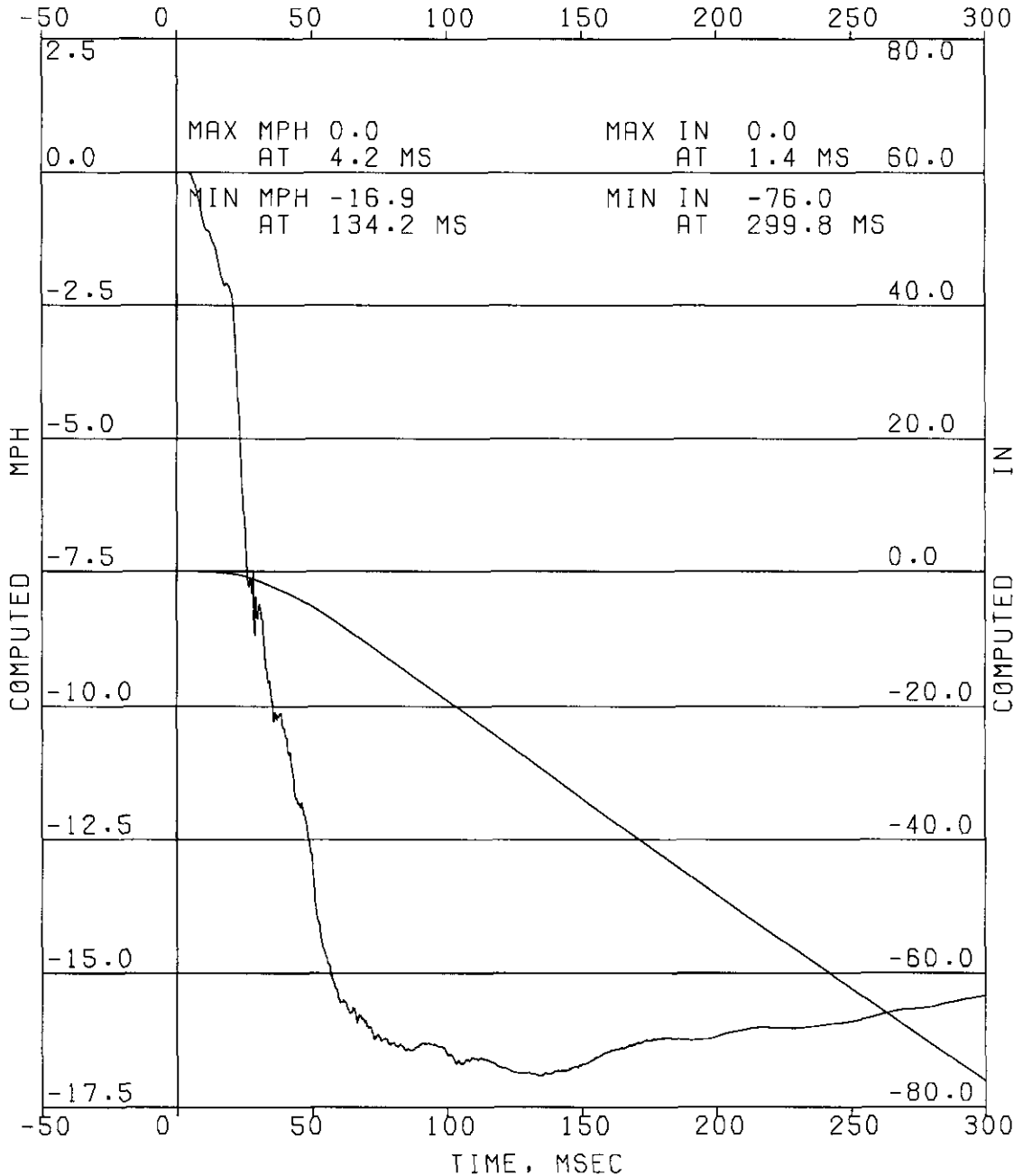
***** NOTE *****
***** NO CLOSURE *****



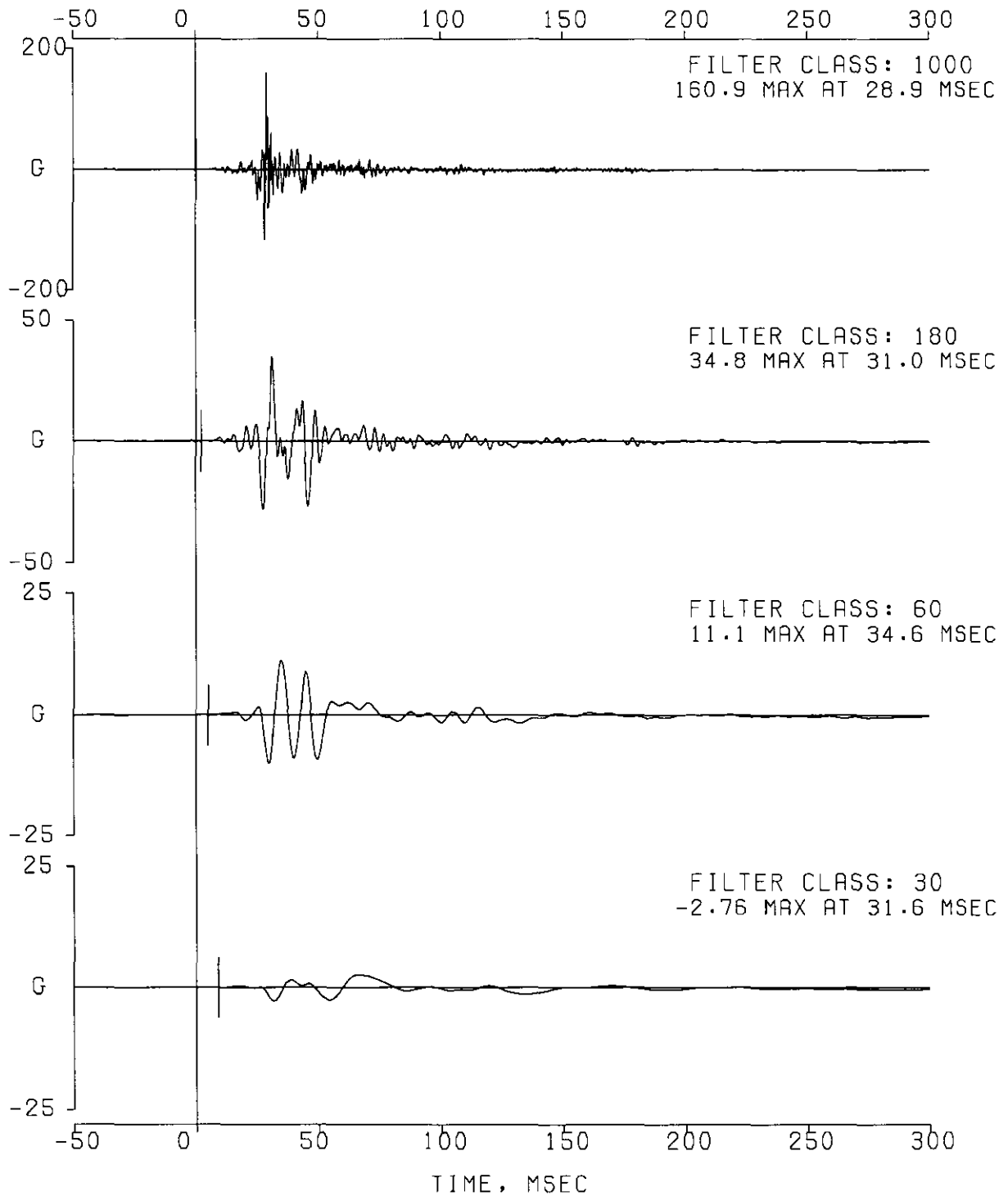
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

DATA SET 12/08/00BA
ERRATA 1

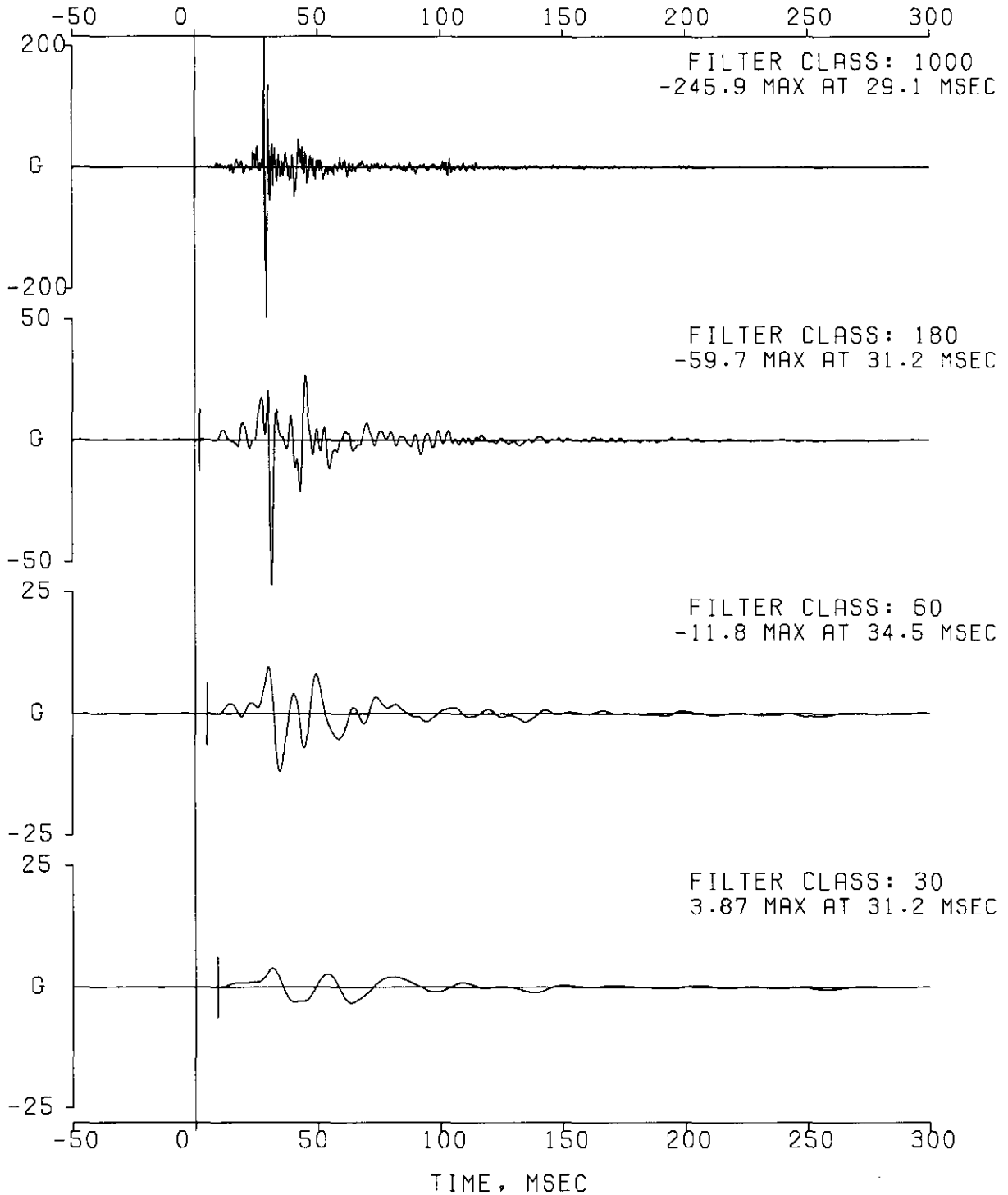


COMPUTED MPH
COMPUTED IN



VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 017 LT B-PILLAR @ SIACM Y P16528
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

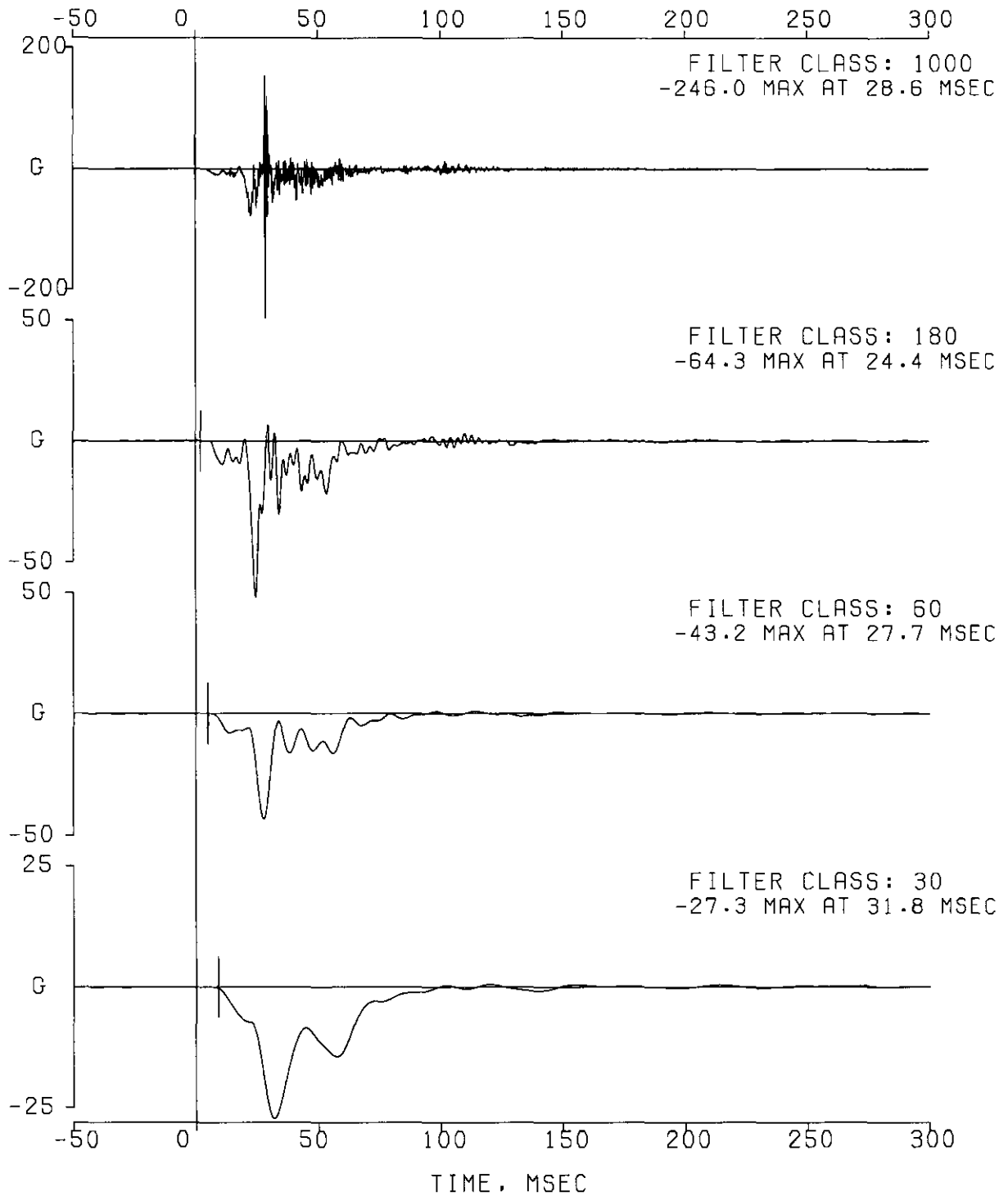
PAGE 030
OF 066
DATA SET 12/08/00BB
ERRATA 1



VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 018 LT B-PILLAR @ SIACM X P14944
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 031
OF 066

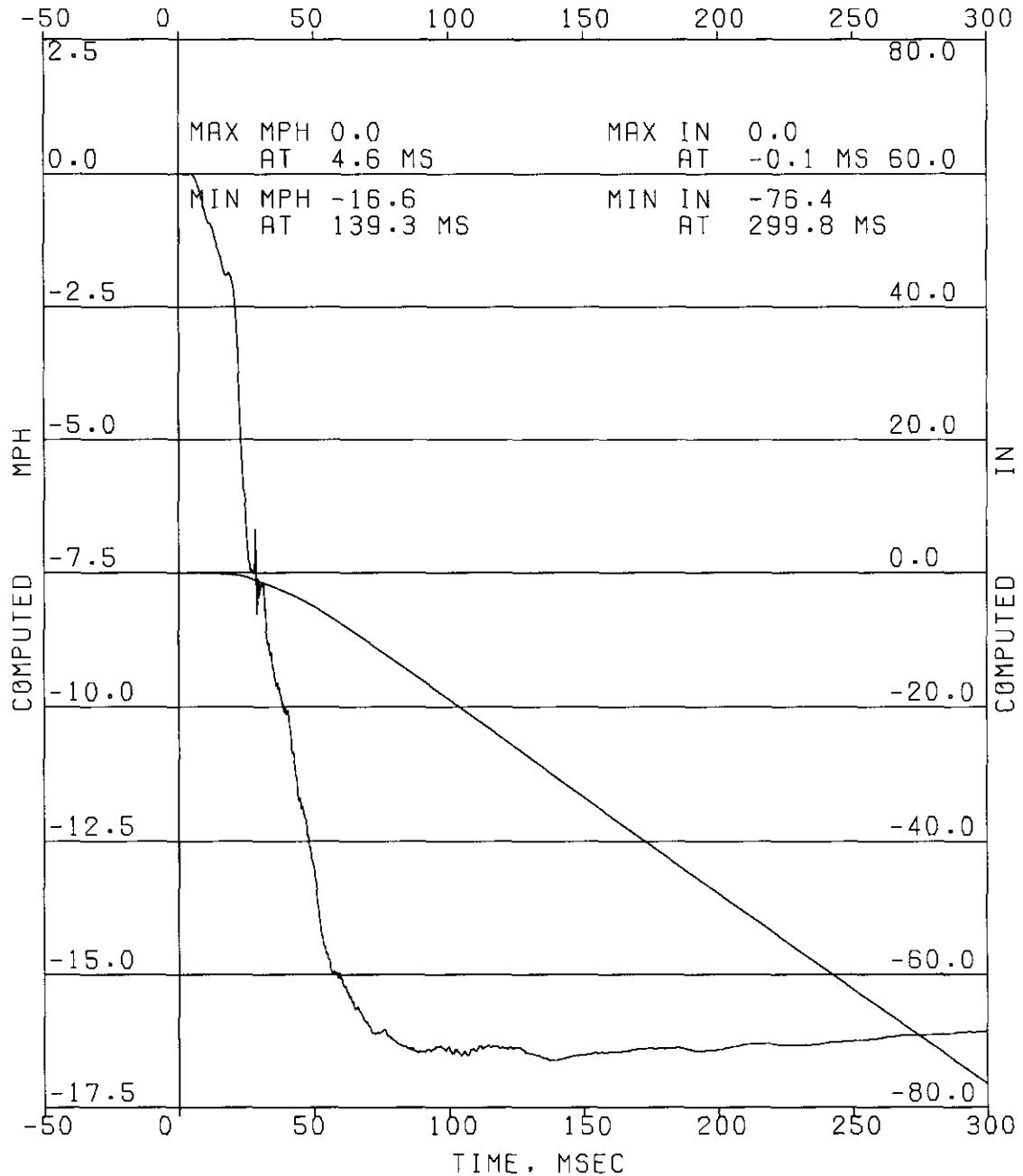
DATA SET 12/08/00BB
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

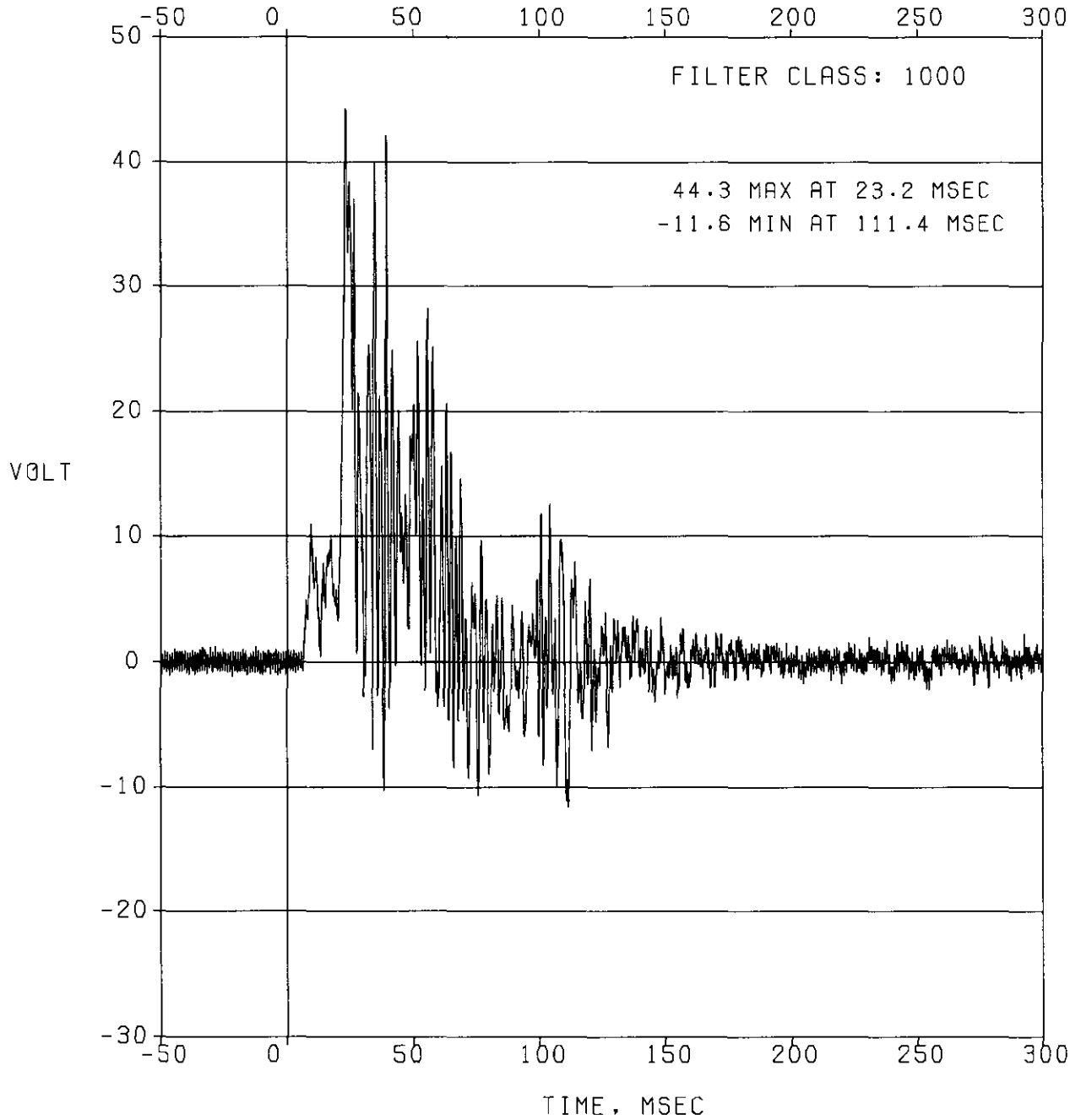
DATA SET 12/08/00BB
ERRATA 1



COMPUTED MPH
COMPUTED IN

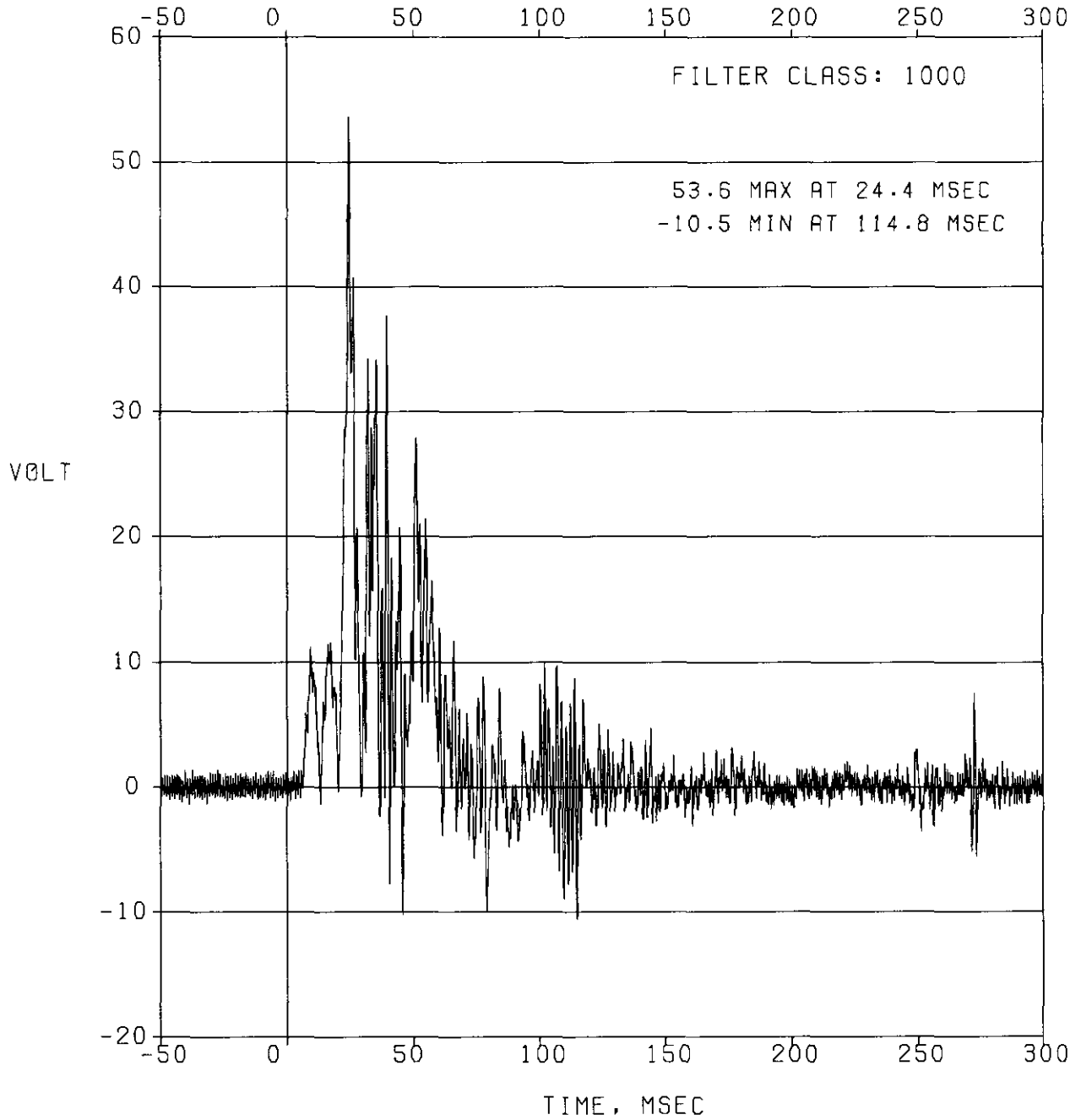
CHANNEL 019 LT FRT CZS SENSOR EE

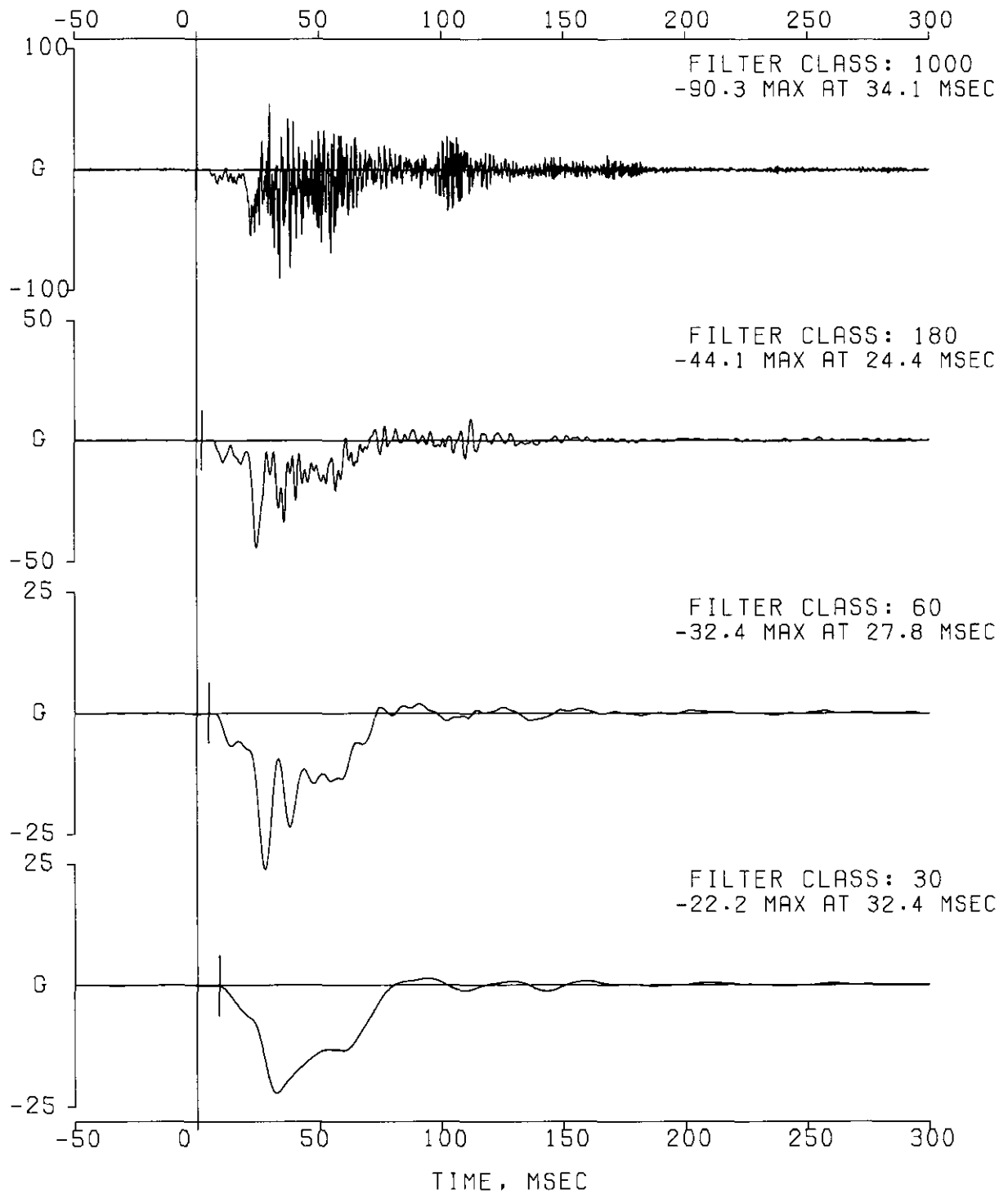
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/08/00BB
DEC 8.2000 ERRATA 1



CHANNEL 020 RT FRT CZS SENSOR EE

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/08/00BB
DEC 8,2000 ERRATA 1

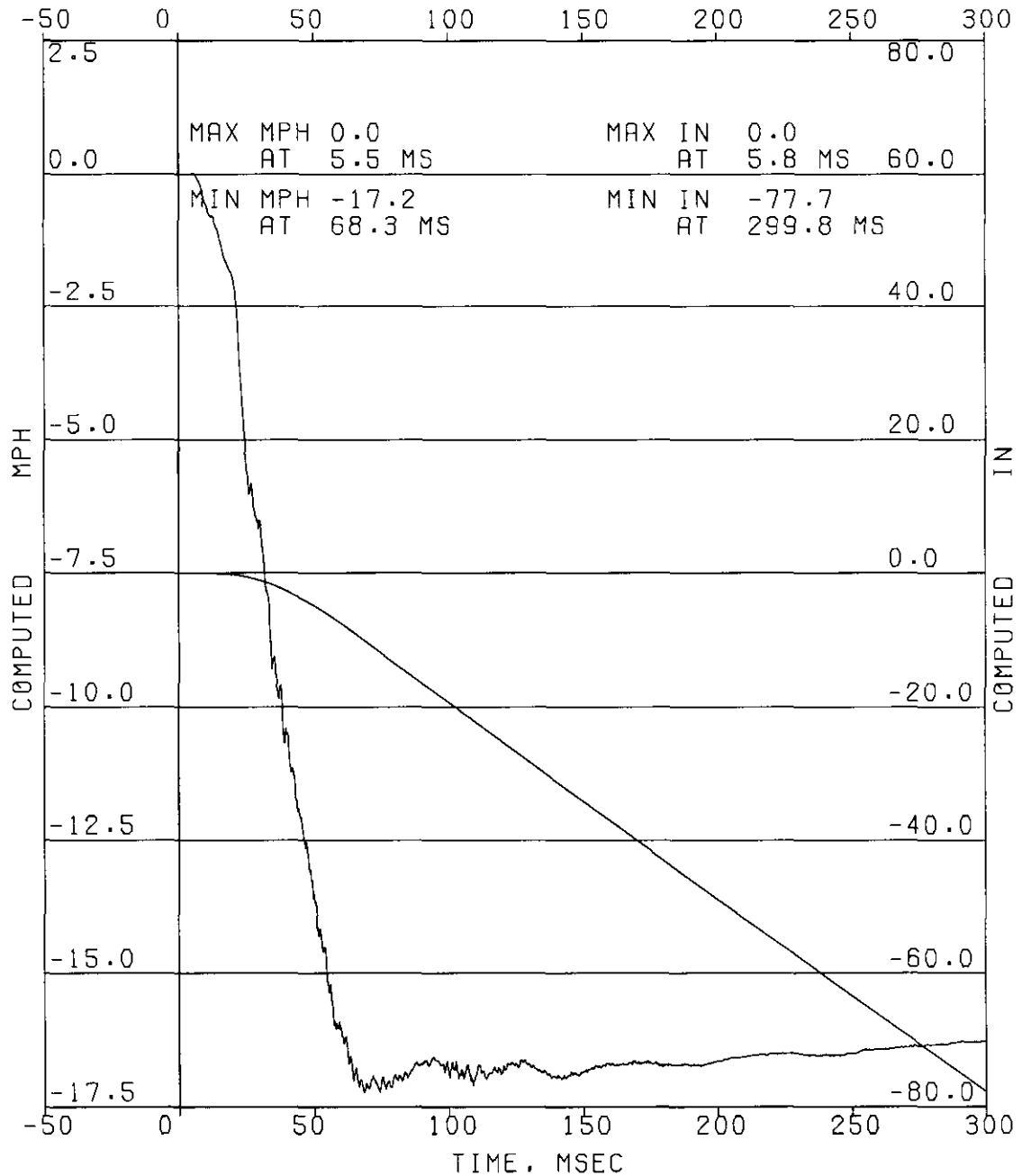




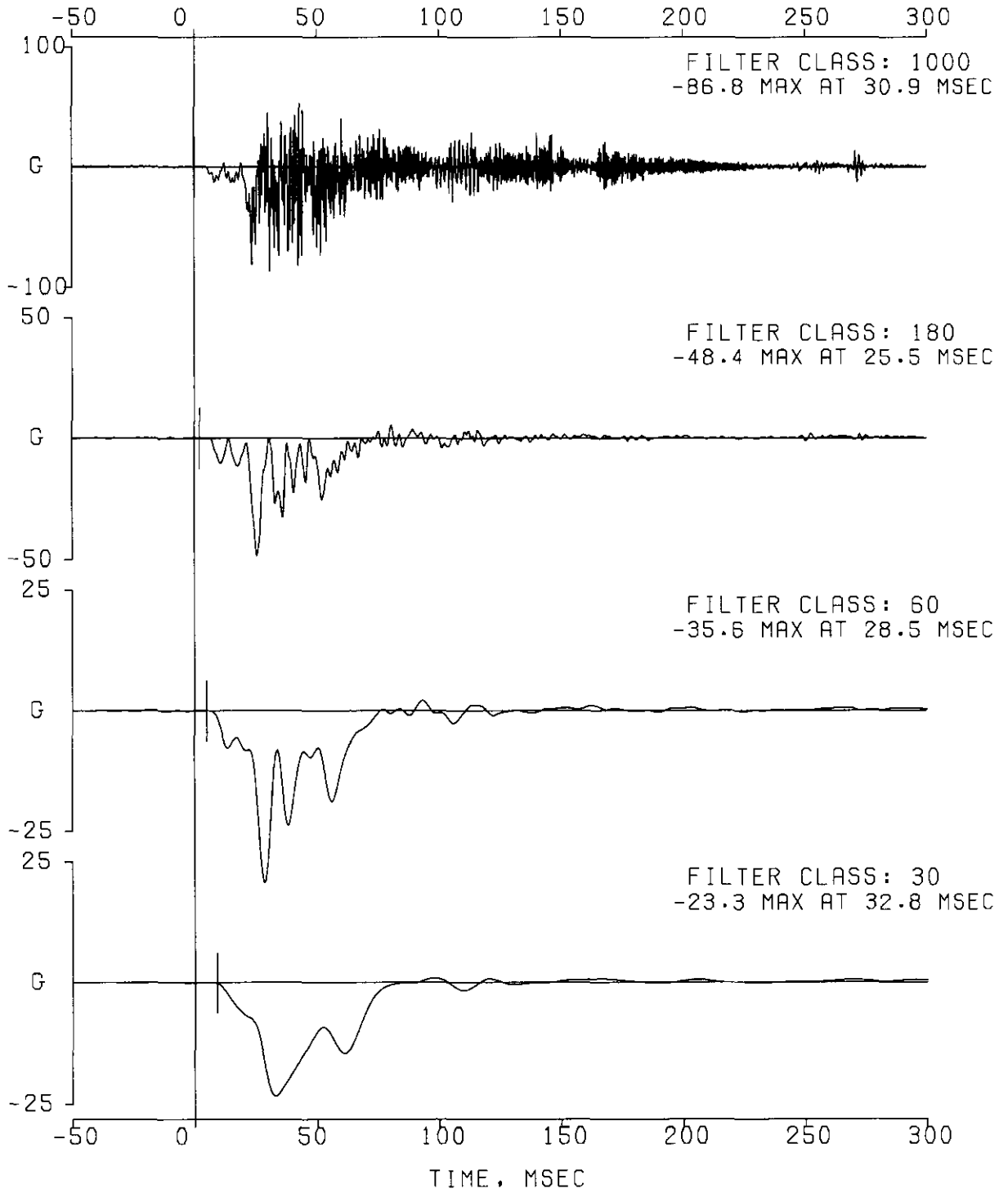
FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

DATA SET 12/08/00BB
ERRATA 1



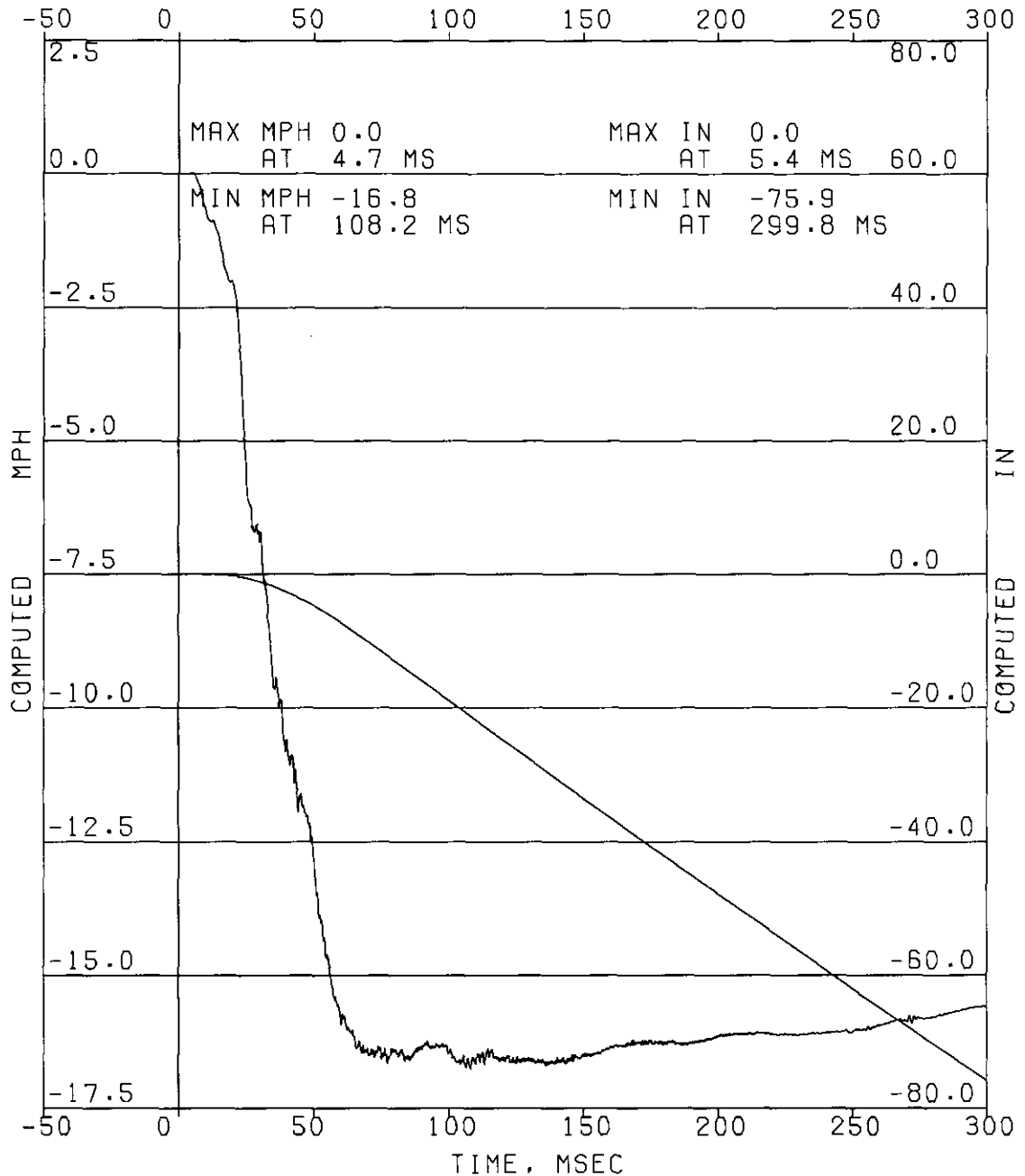
COMPUTED MPH
COMPUTED IN



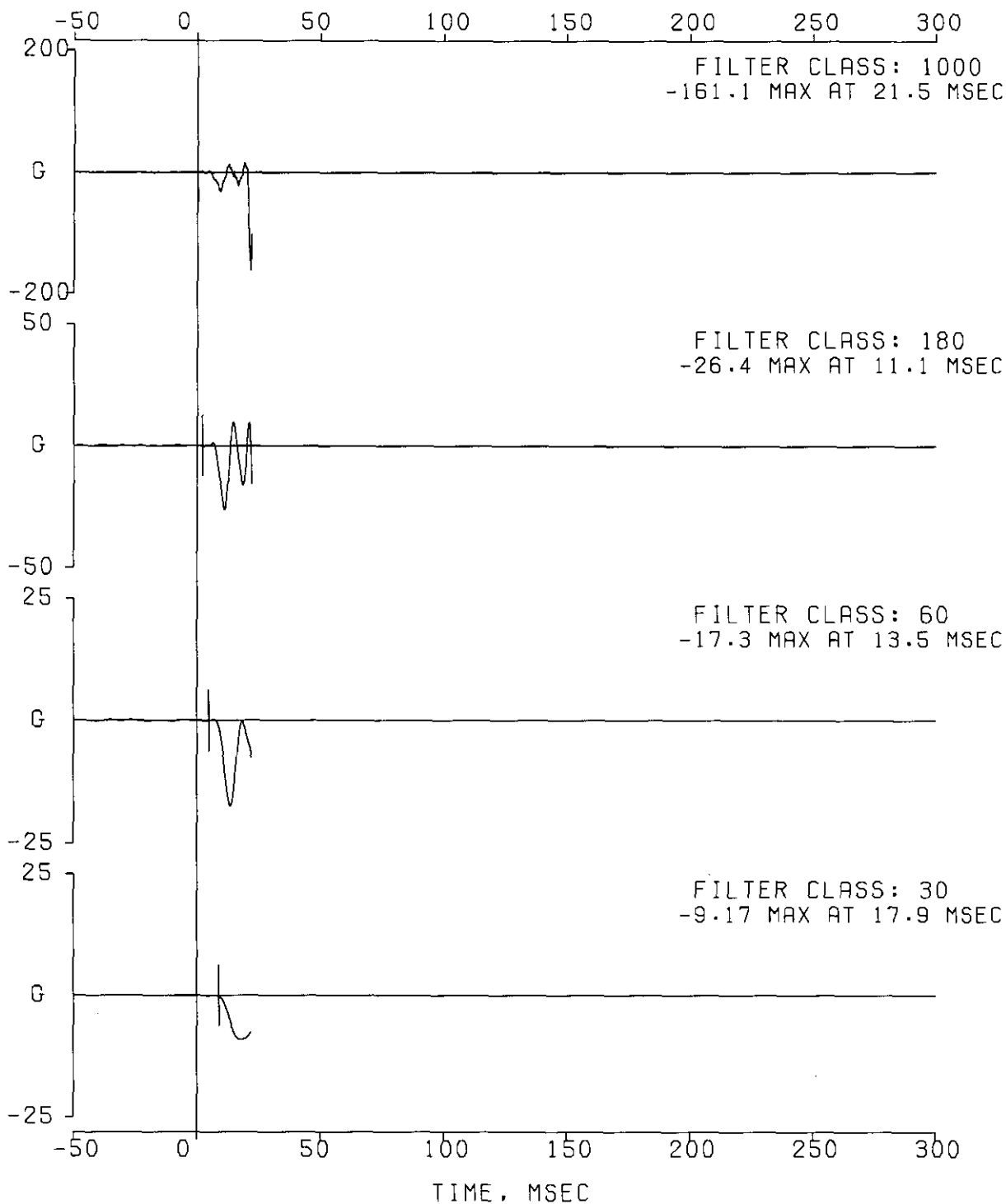
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

DATA SET 12/08/0088
ERRATA 1



COMPUTED MPH
COMPUTED IN

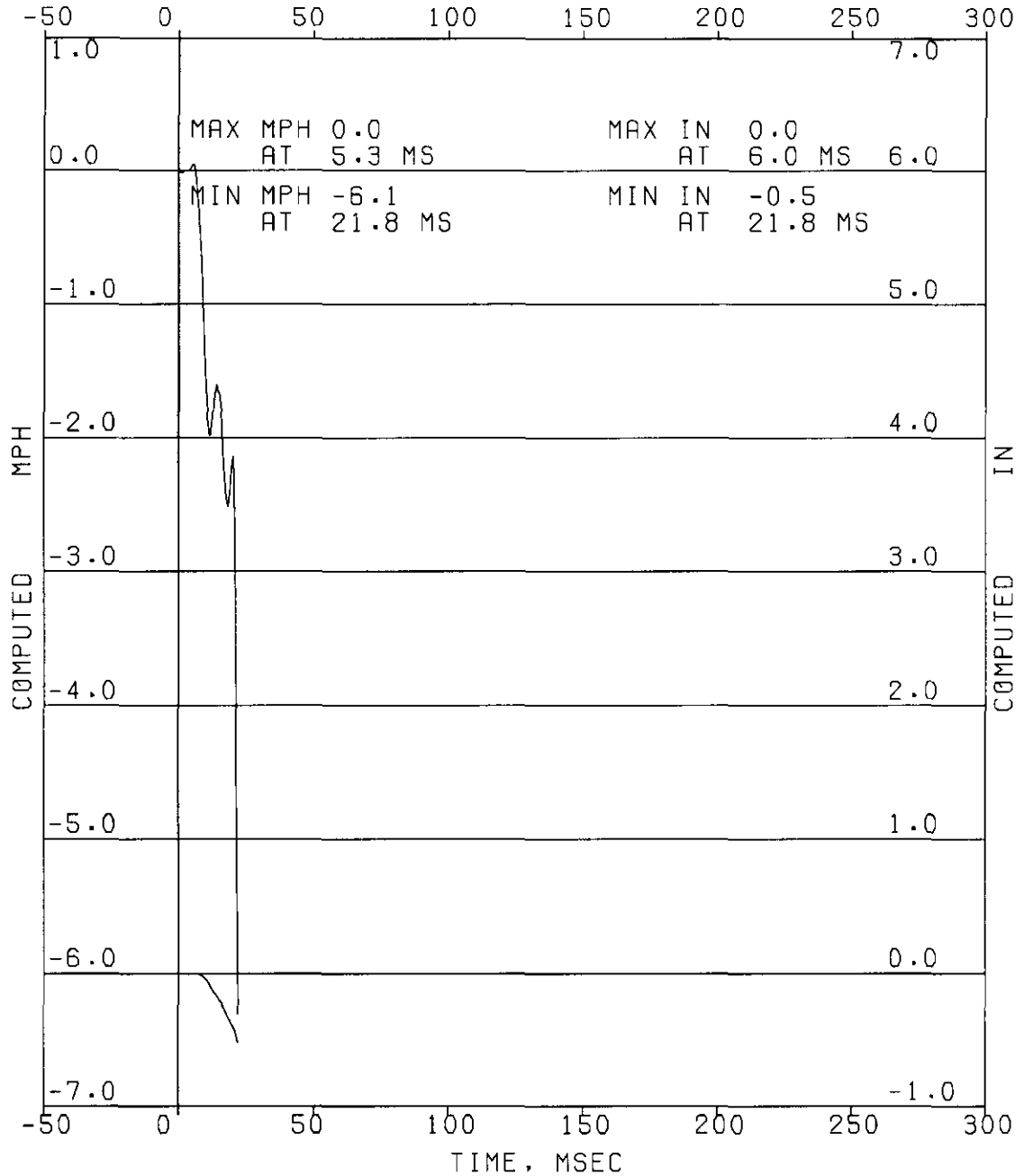


***** CAUTION *****
***** INST. MALFUNCTION AFTER 22.0 MS *****

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

IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

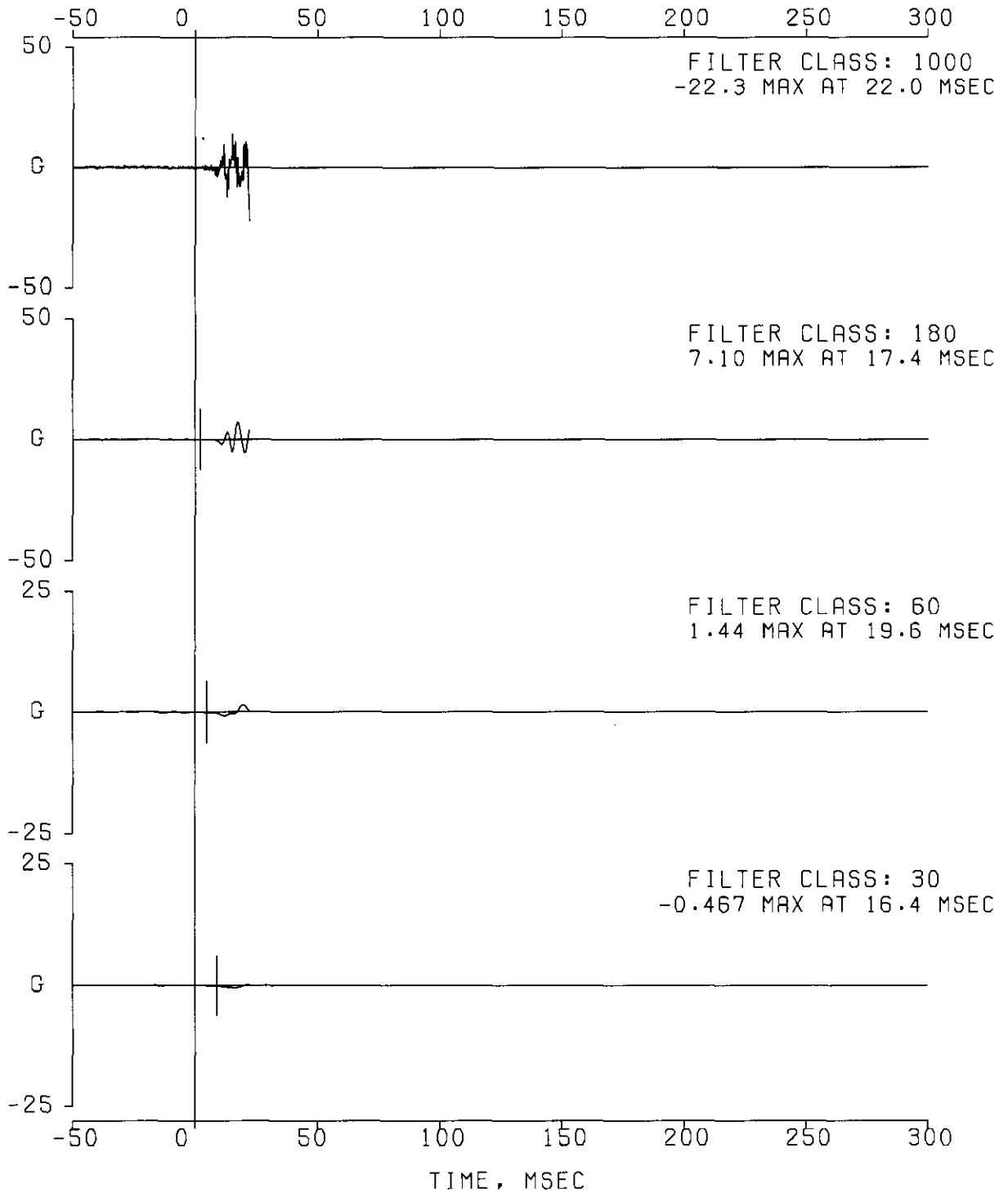
DATA SET 12/08/00BB
ERRATA 1



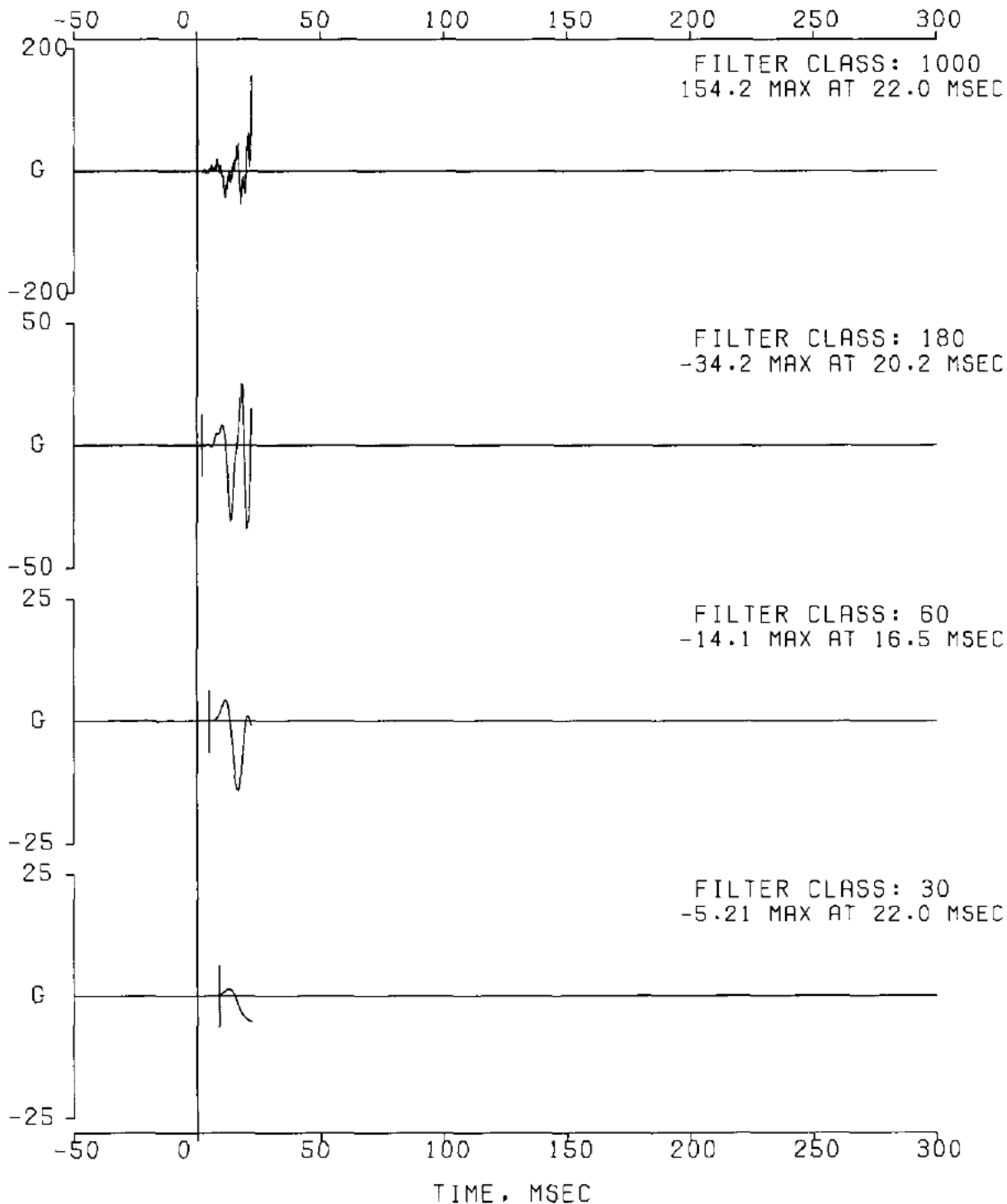
***** CAUTION *****
***** INST. MALFUNCTION AFTER 22.0 MS *****

COMPUTED MPH
COMPUTED IN

EA12-005- Chrysler -002849



***** NOTE *****
 ***** INST. MALFUNCTION AFTER 22.0 MS *****

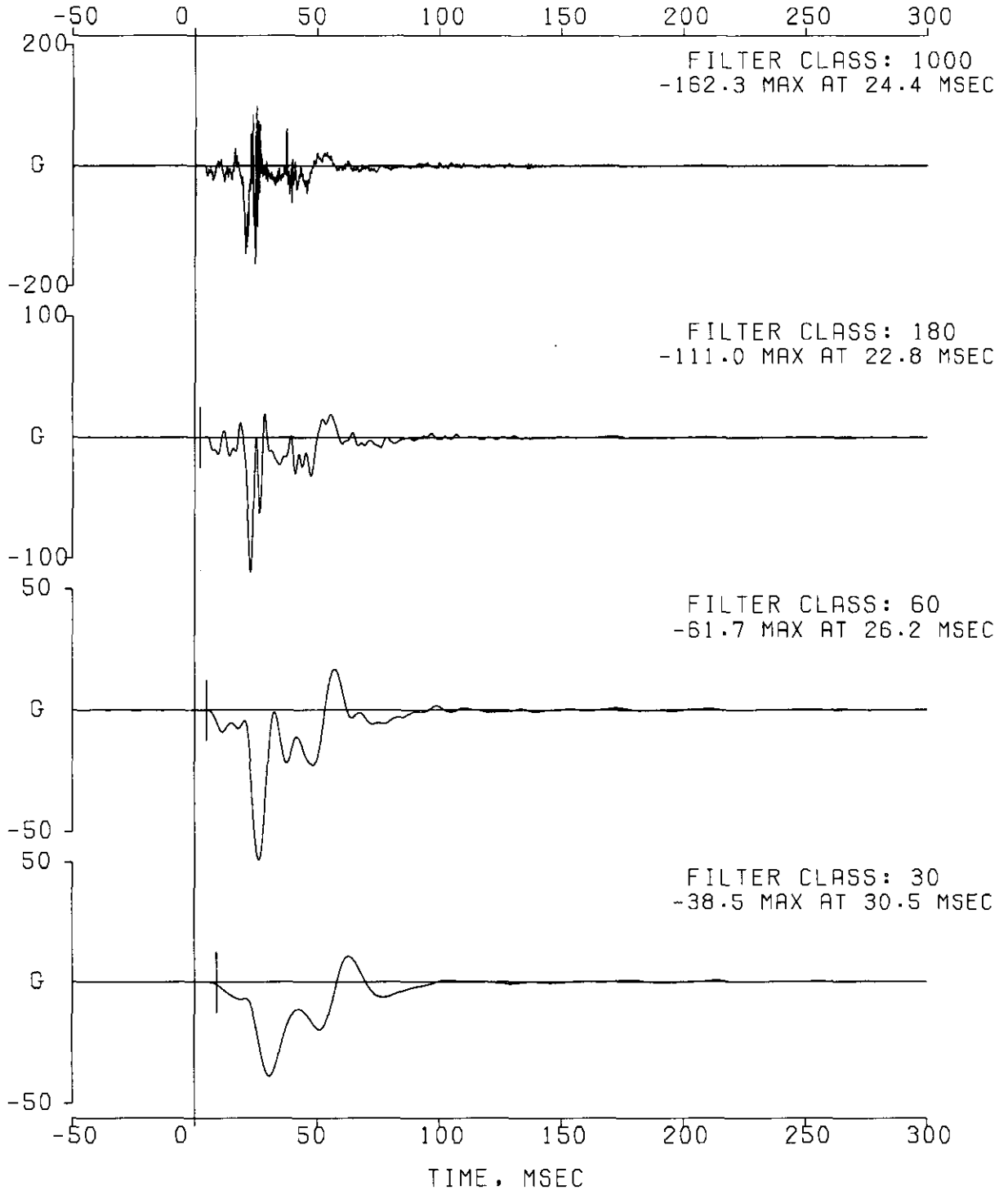


***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 22.0 MS *****

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 026 LT RL @ CTR FUELTANK X AAAN4J
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320.
DEC 8.2000

PAGE 043
OF 066

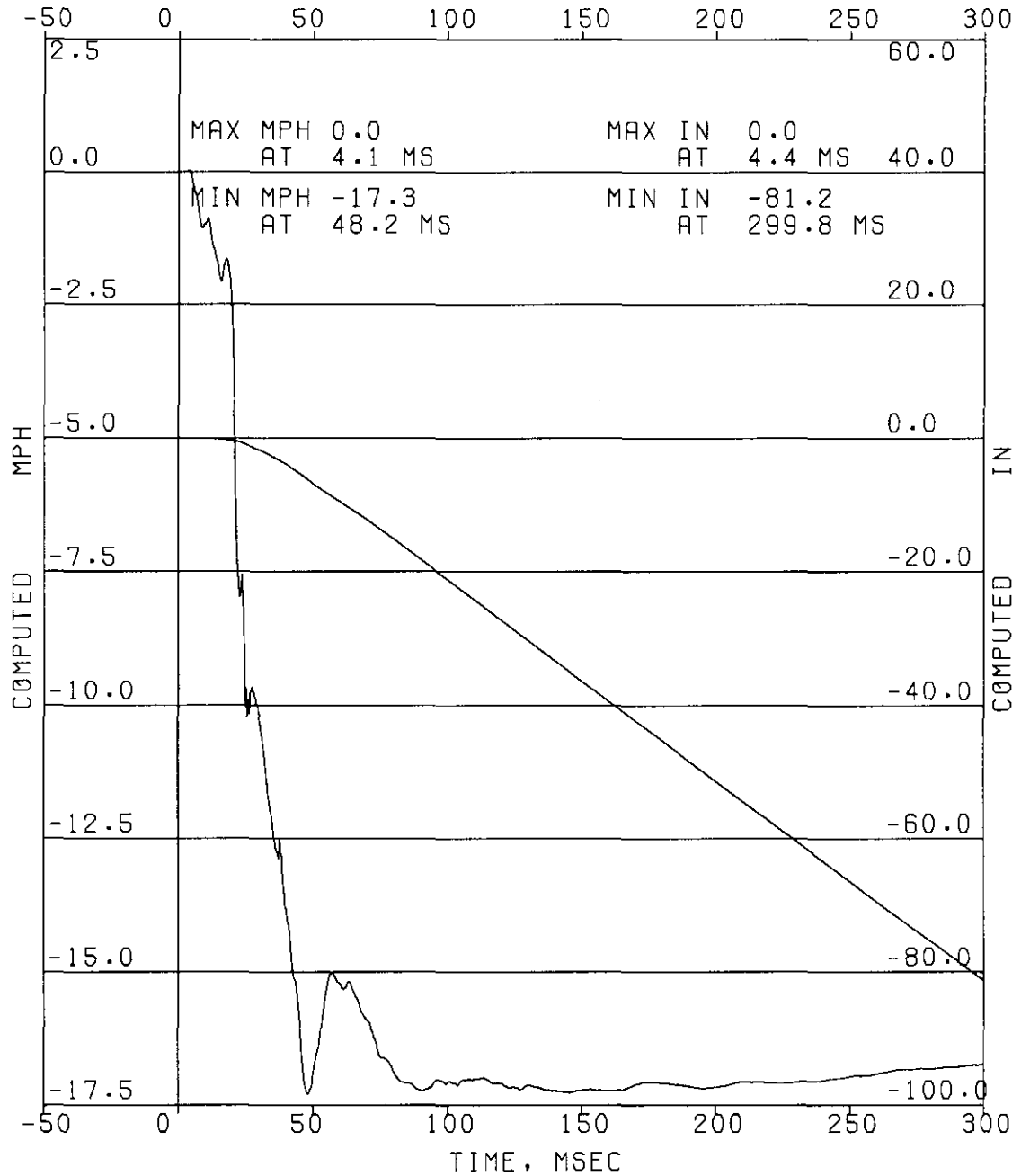
DATA SET 12/08/00BB
ERRATA 1



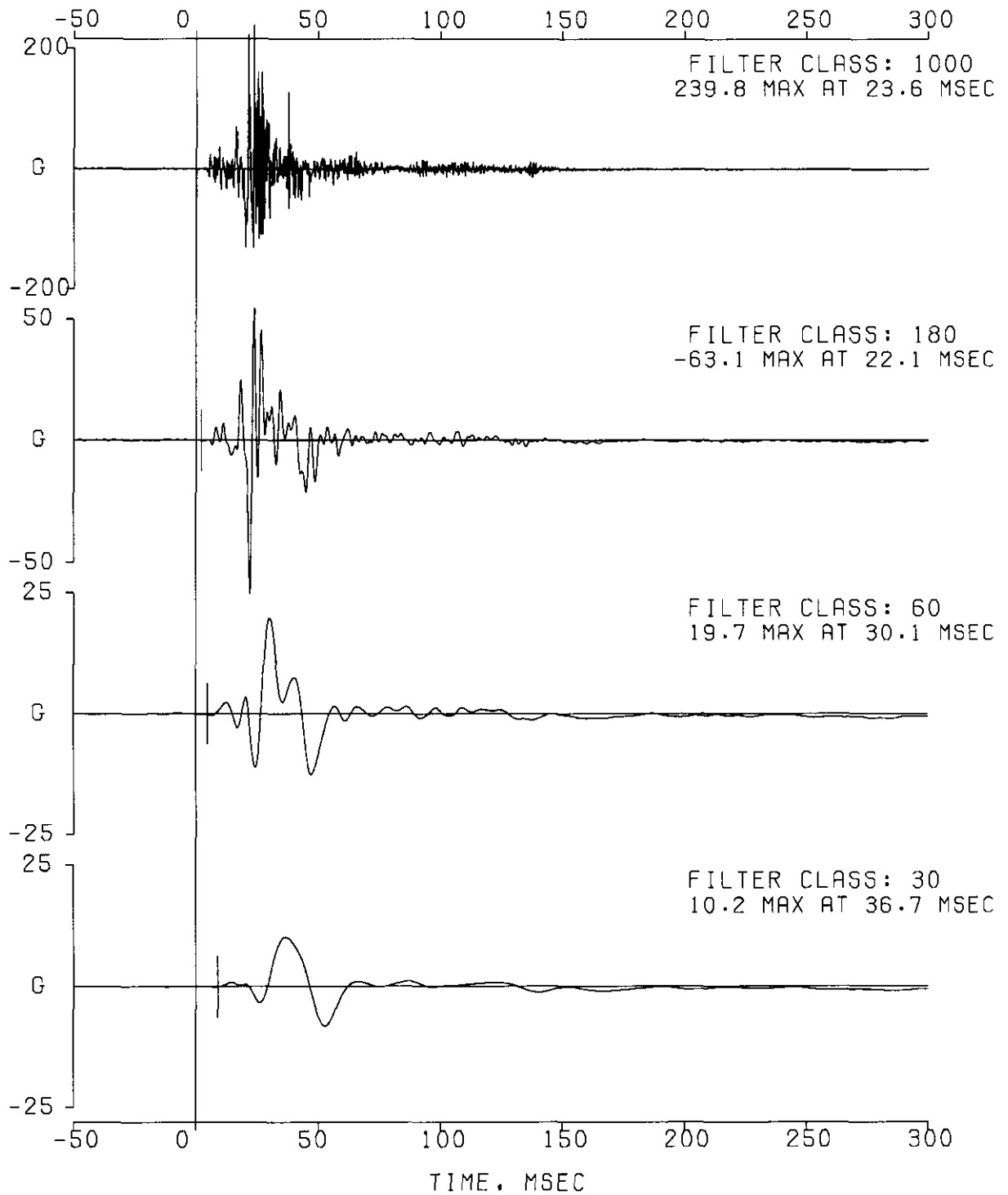
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

DATA SET 12/08/00BB
ERRATA 1



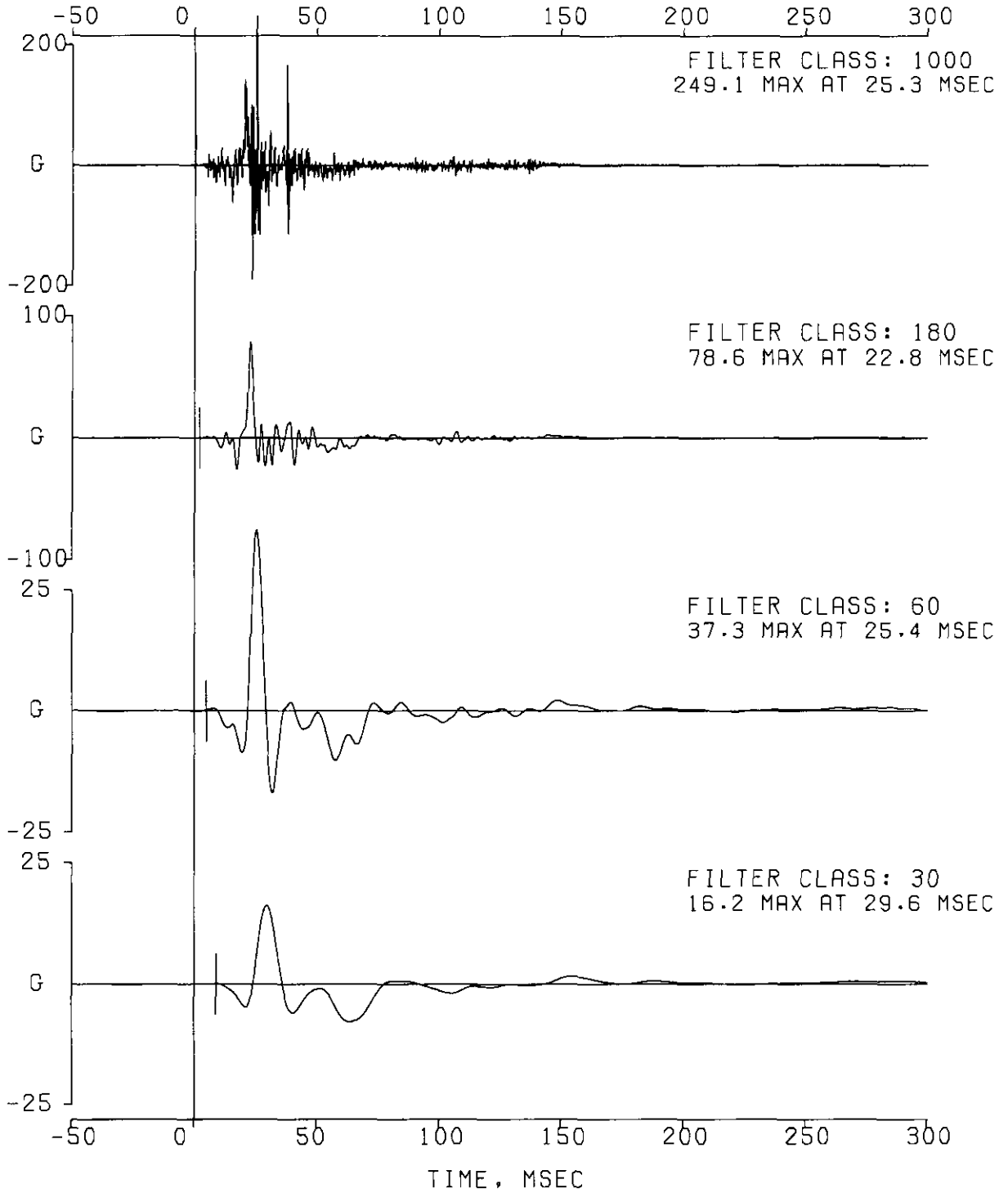
COMPUTED MPH
COMPUTED IN

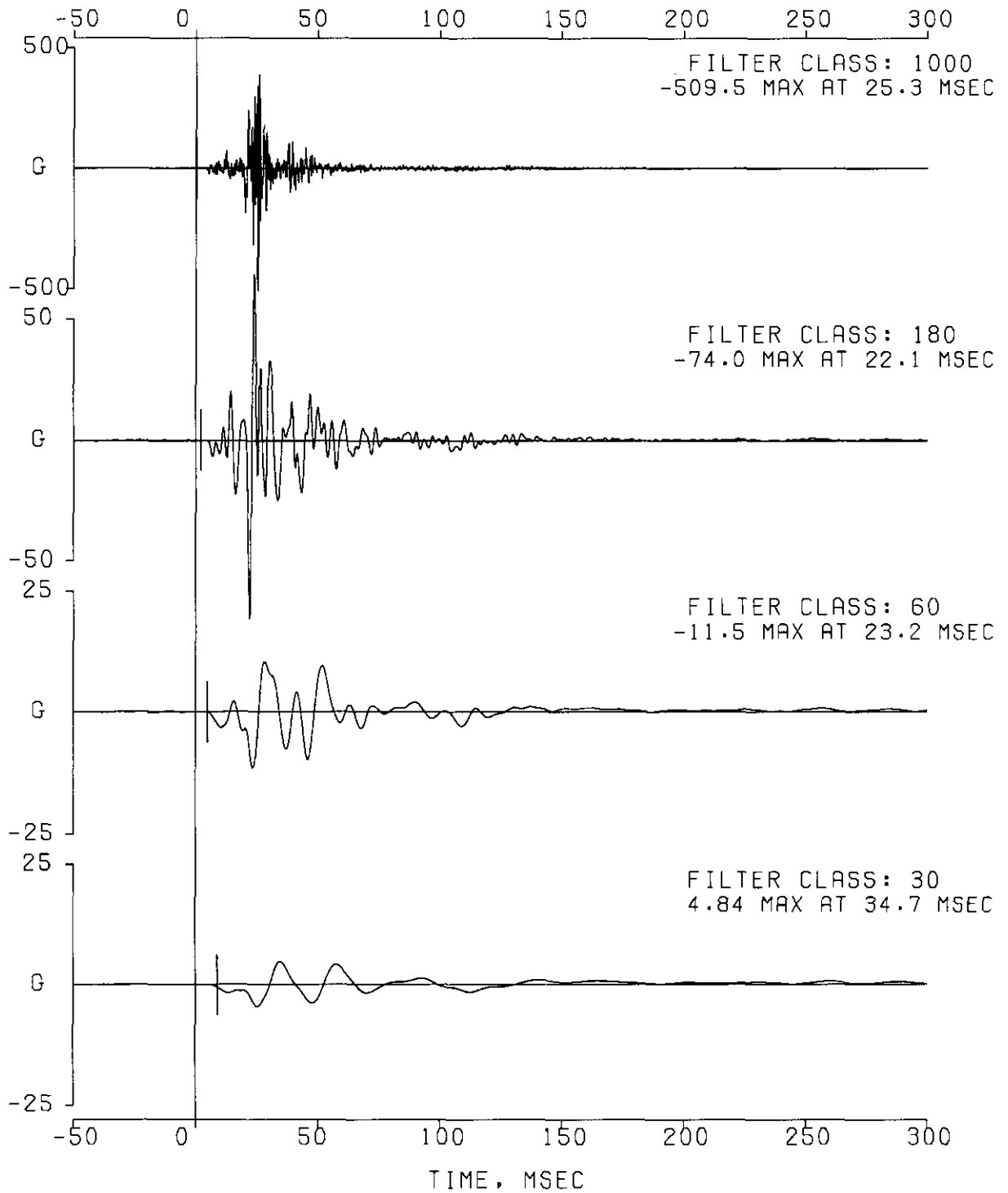


VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 028 LT RL @ CTR FUELTANK Z P16357
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 046
OF 066

DATA SET 12/08/00BB
ERRATA 1

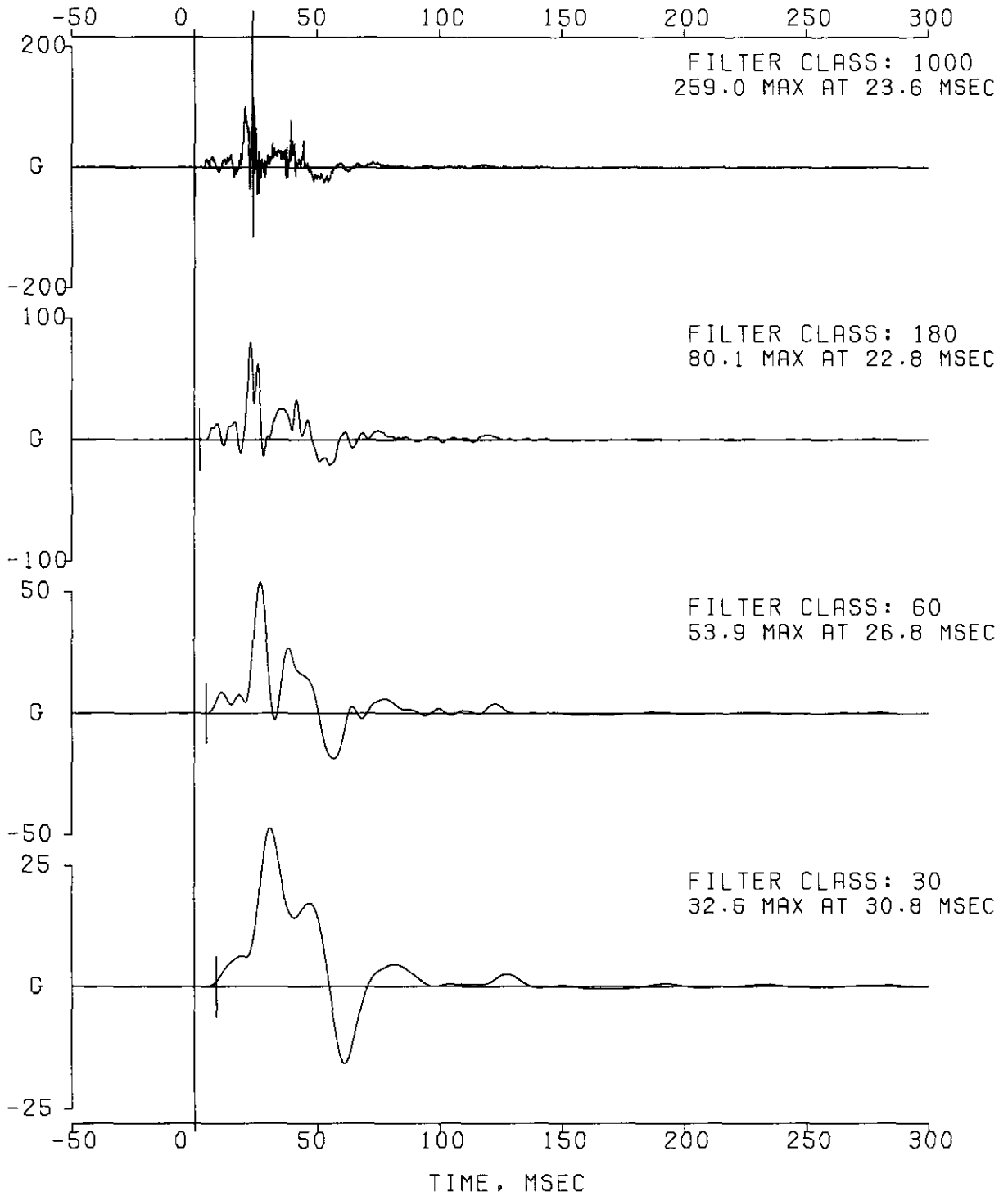




VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 030 RL RL @ CTR FUELTANK X P15423
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 048
OF 066

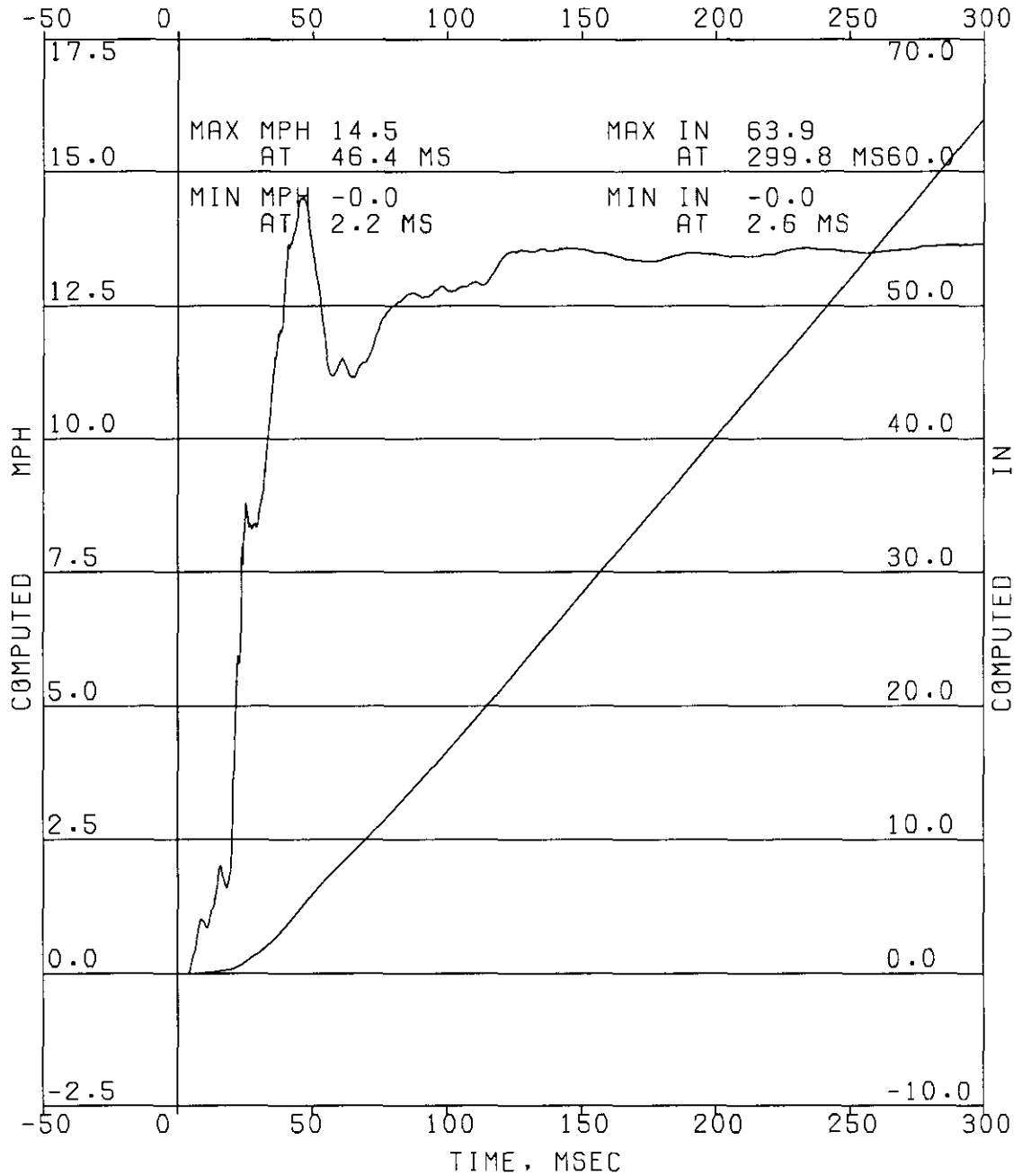
DATA SET 12/08/00BB
ERRATA 1



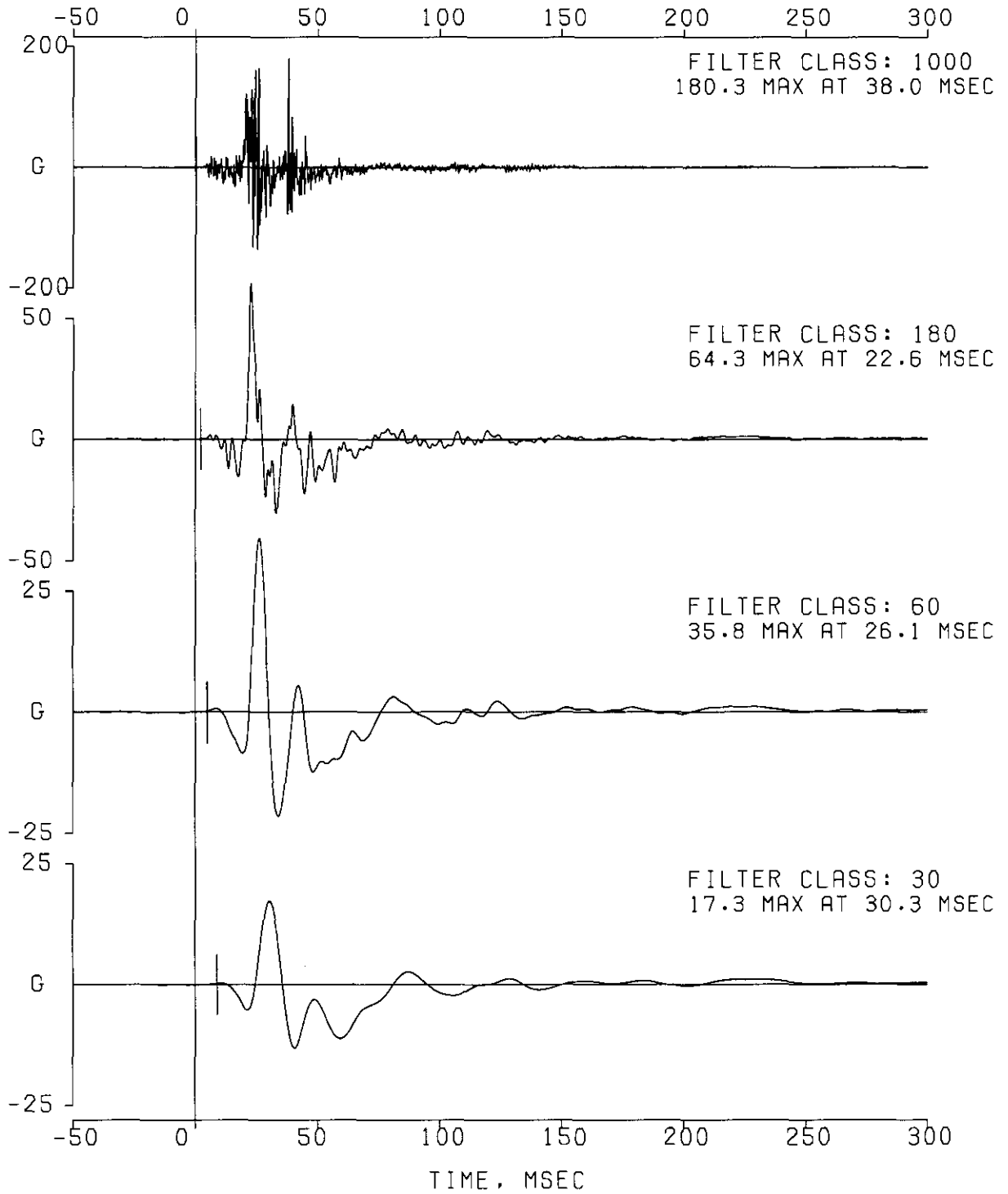
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

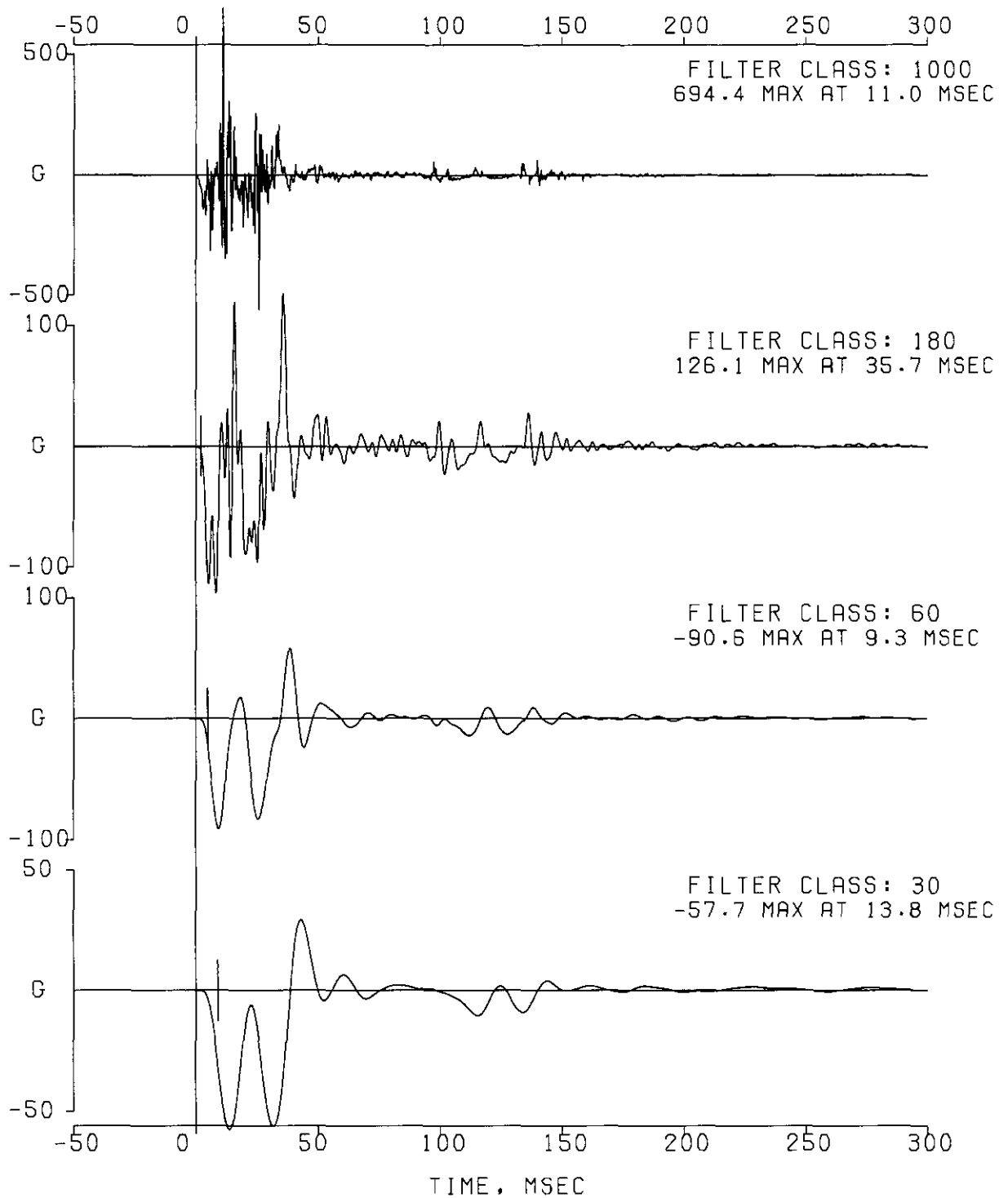
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

DATA SET 12/08/00BB
ERRATA 1



COMPUTED MPH
COMPUTED IN

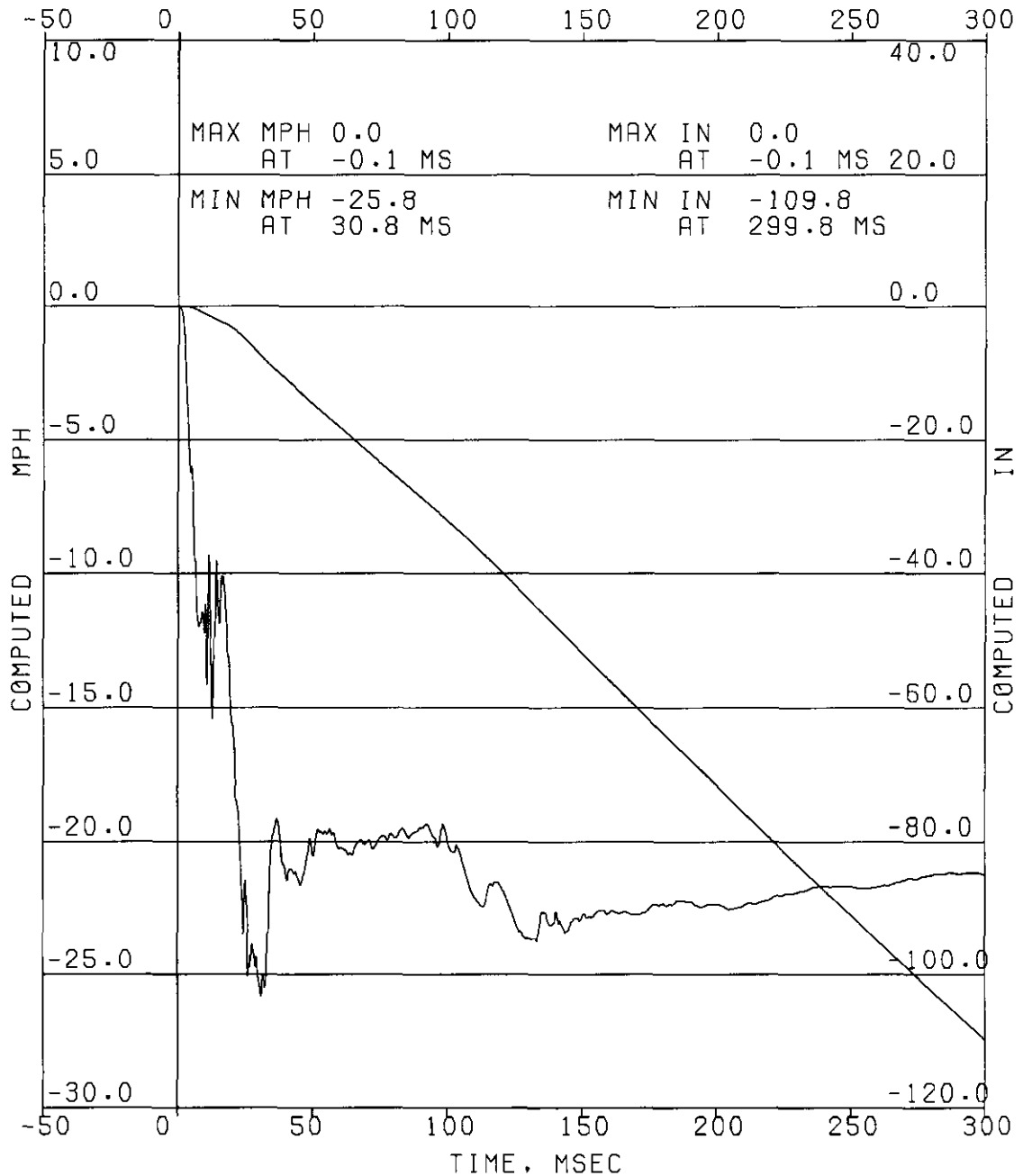




FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

DATA SET 12/08/00BB
ERRATA 1

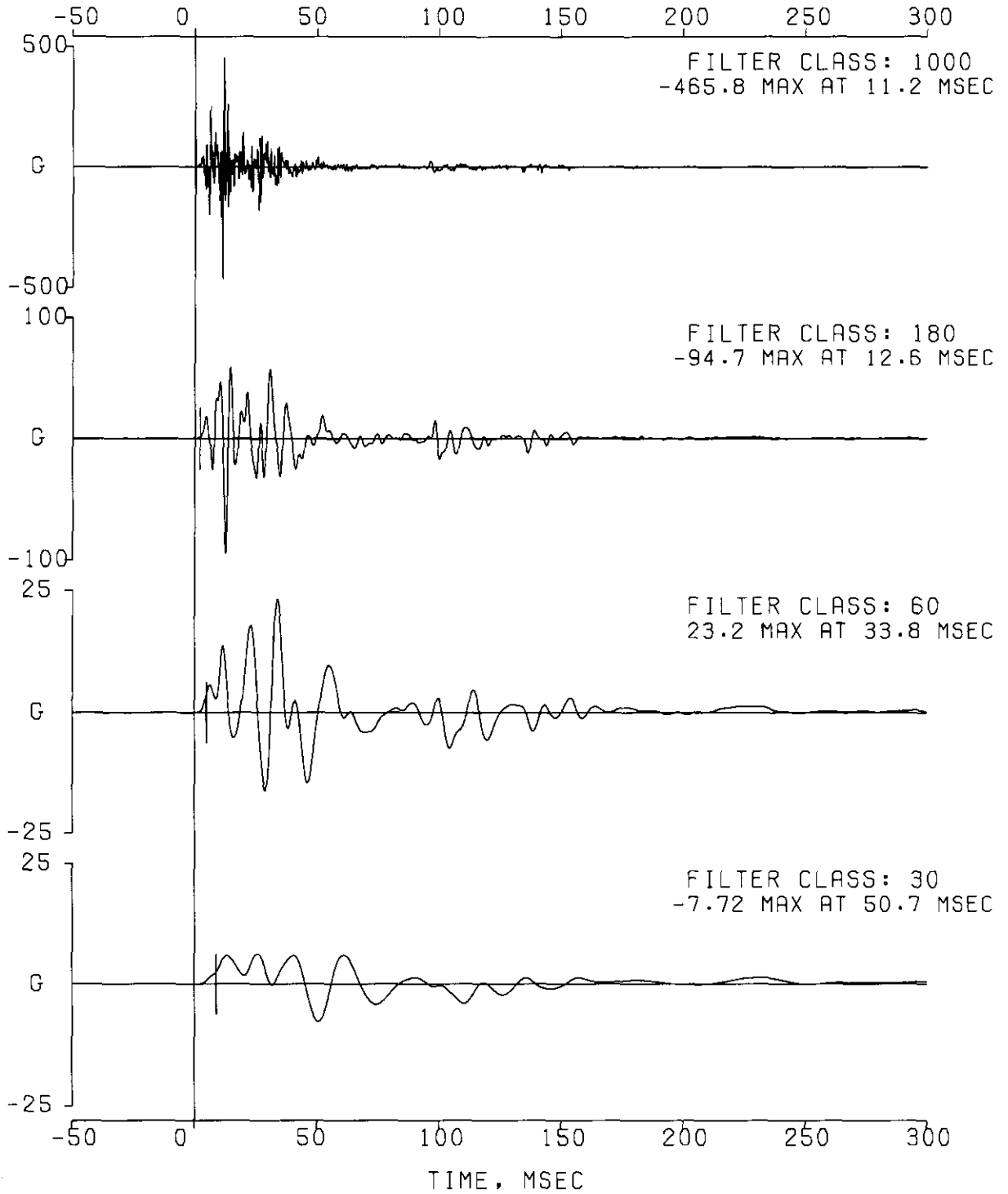


COMPUTED MPH
COMPUTED IN

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 033 SWNGGATE ABV DR HANDLEZ OB04F32
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

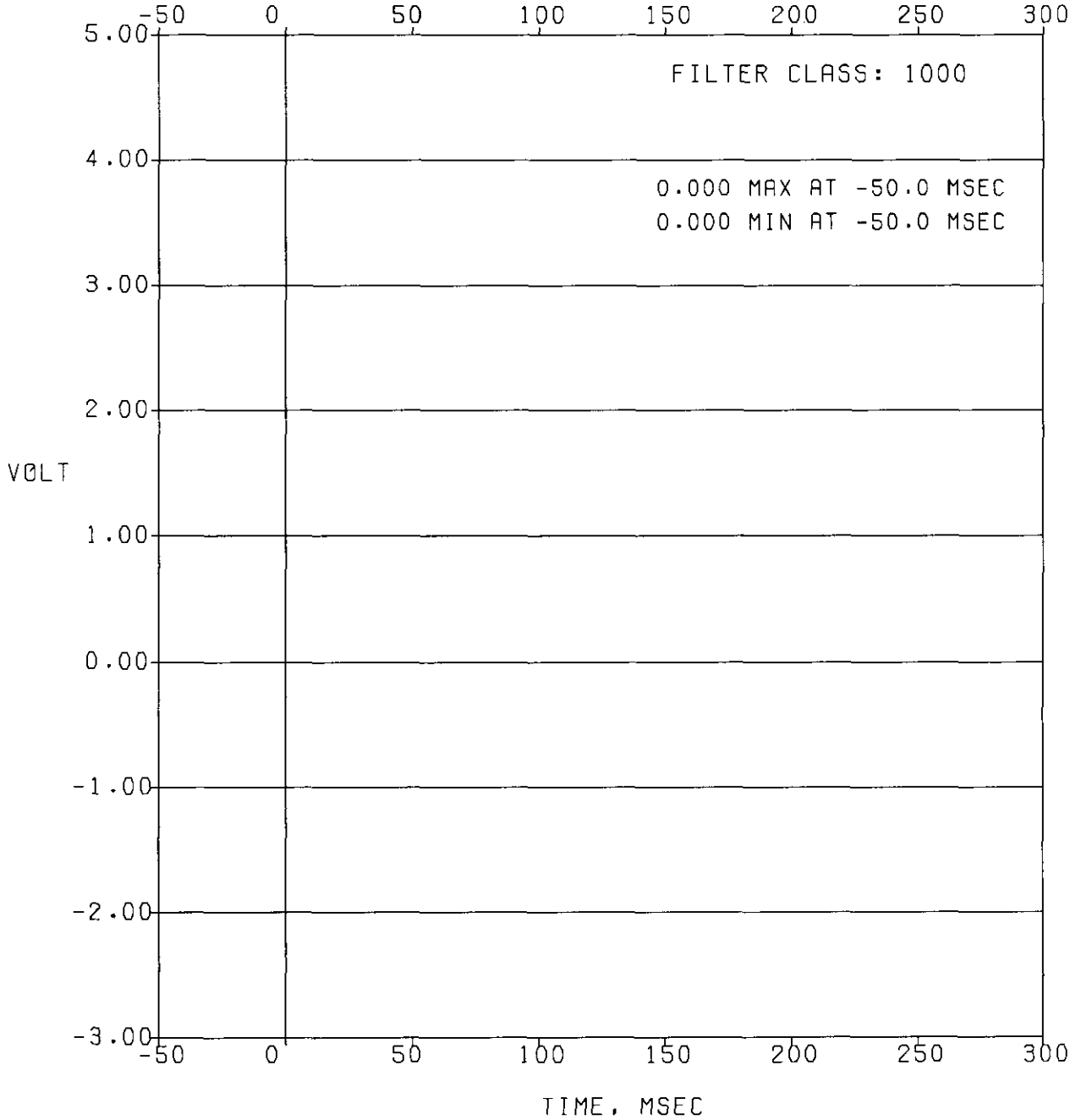
PAGE 053
OF 066

DATA SET 12/08/00BC
ERRATA 1



CHANNEL 034 SWNGGATE AJAR EVENT

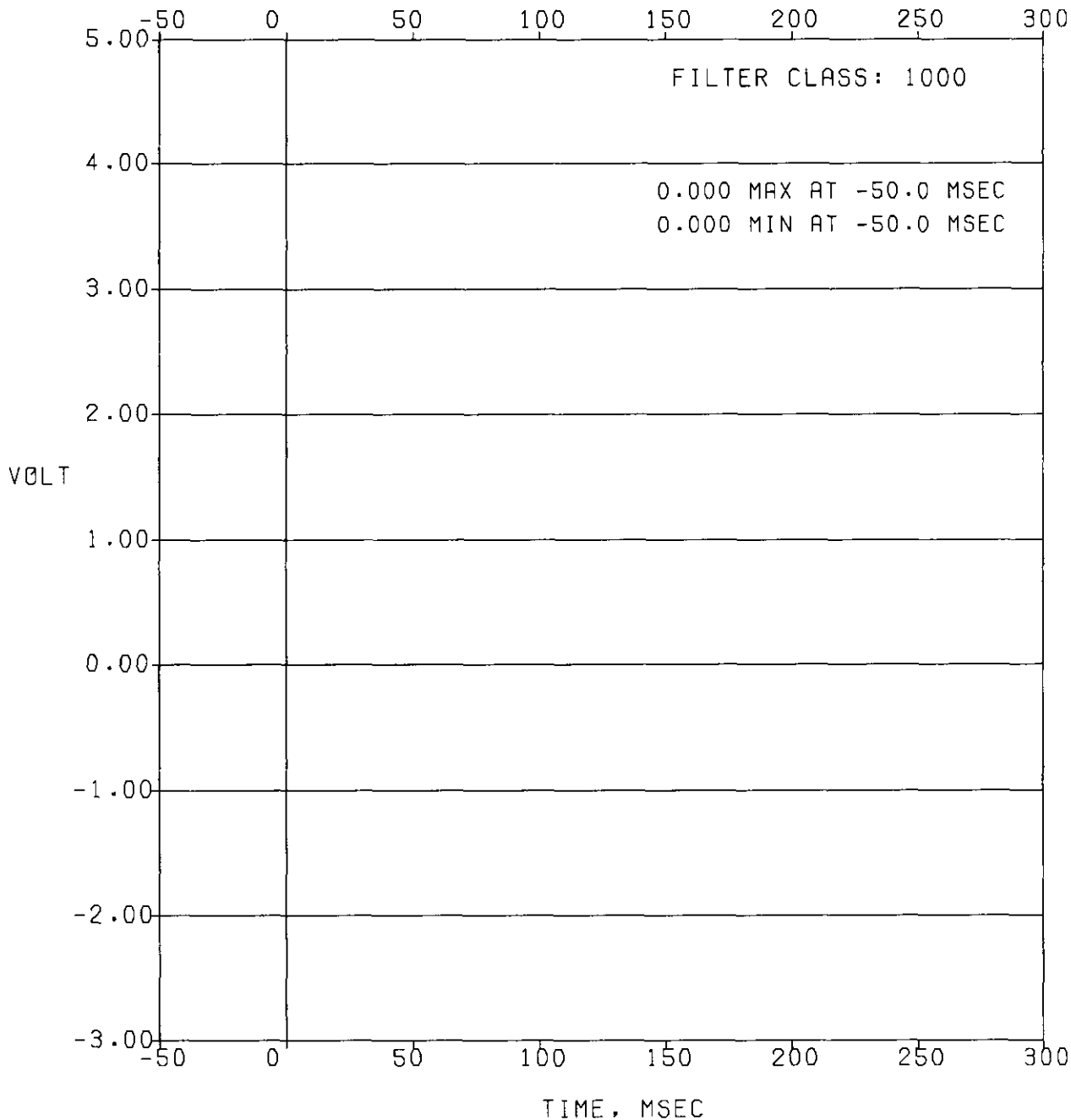
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/08/00BC
DEC 8,2000 ERRATA 1



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

CHANNEL 035 FLIP GLASS AJAR EVENT

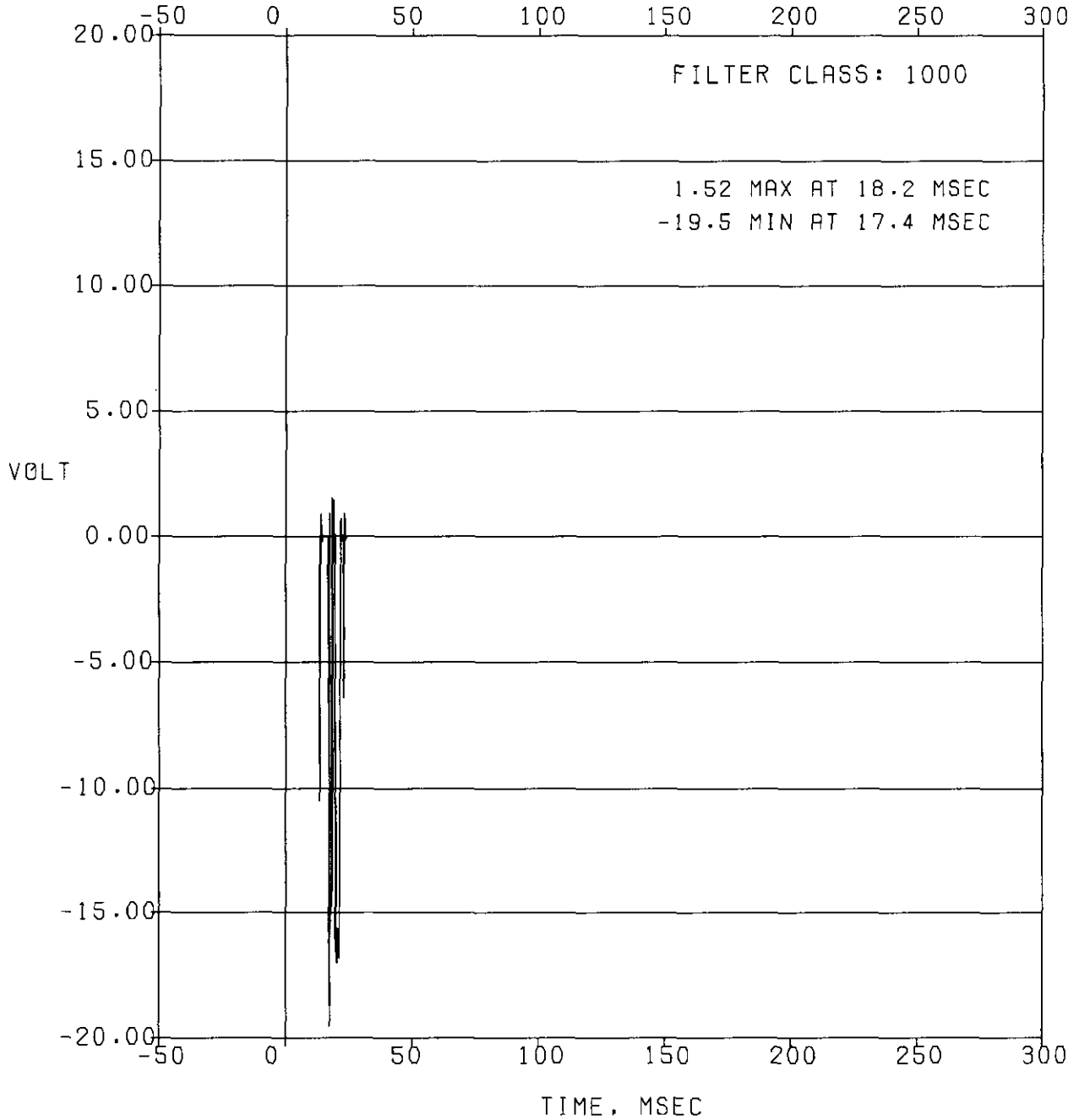
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/08/00BC
DEC 8,2000 ERRATA 1



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

CHANNEL 036 SWNGGATE HANDLE SWITCH

FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 12/08/00BC
DEC 8,2000 ERRATA 1

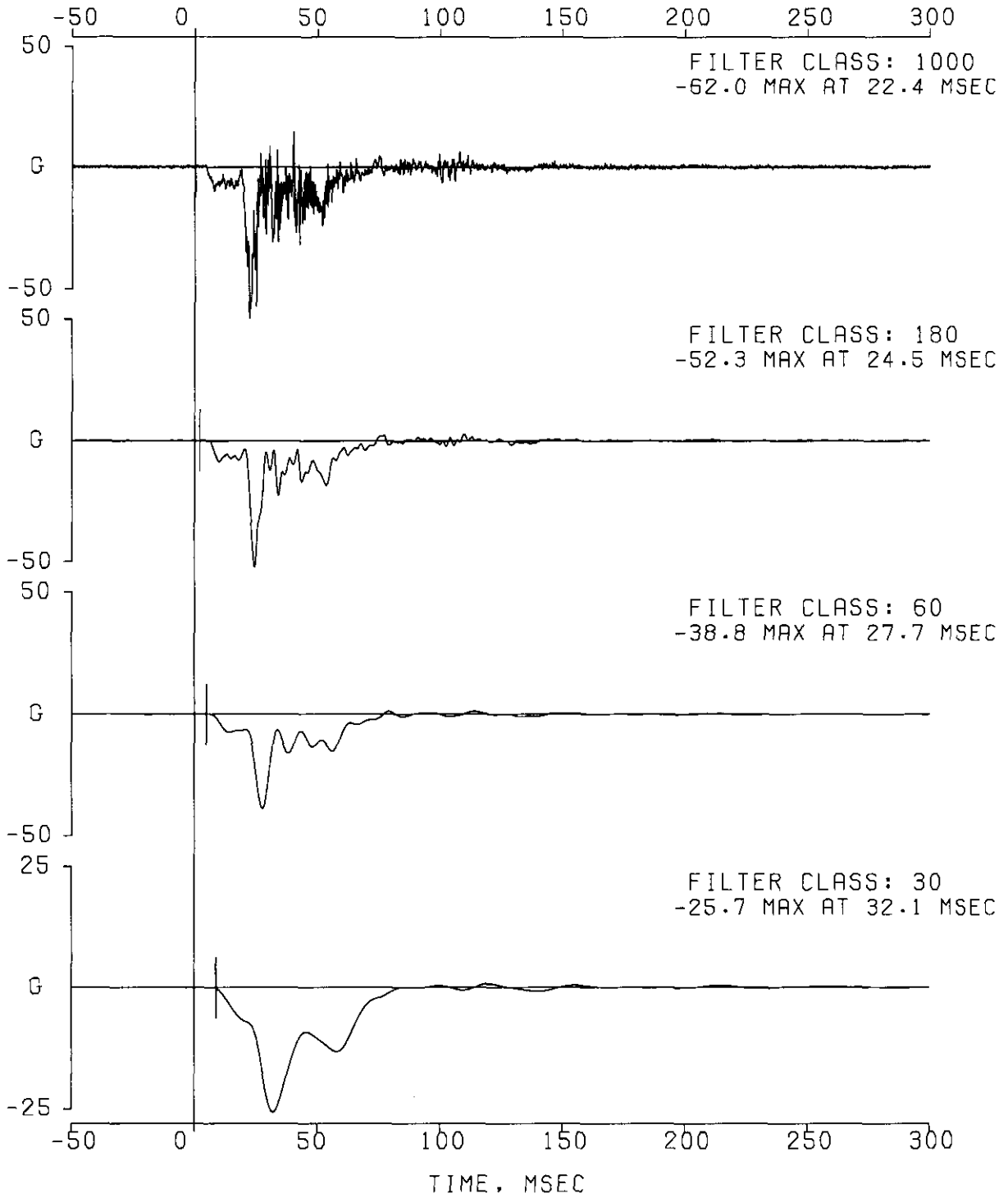


***** NOTE *****
***** EVENT AT 17.2 AND 19.5 MS *****

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 049 LEFT REAR SILL X AP2B3
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 057
OF 066

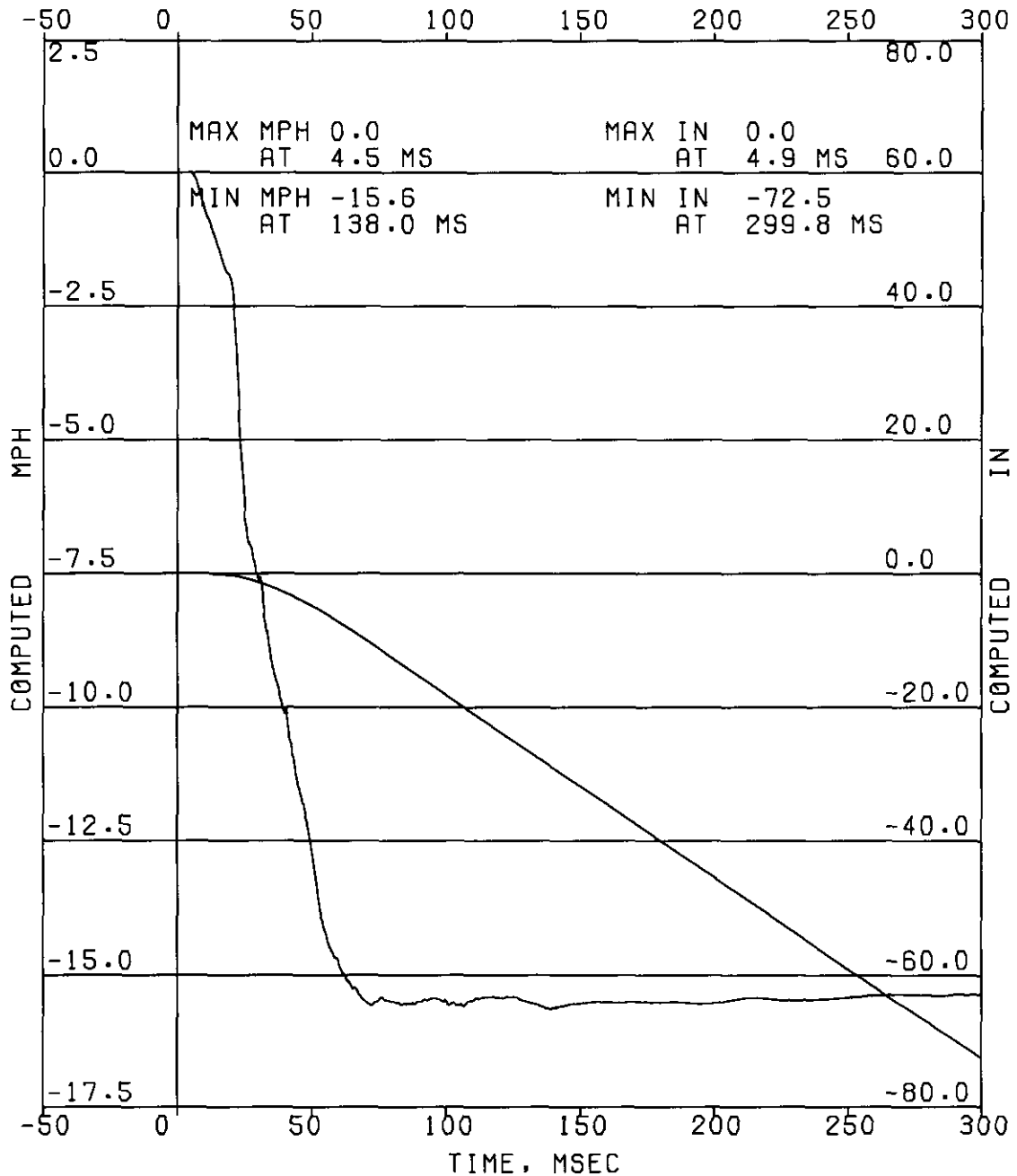
DATA SET 12/08/00BD
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

DATA SET 12/08/0080
ERRATA 1

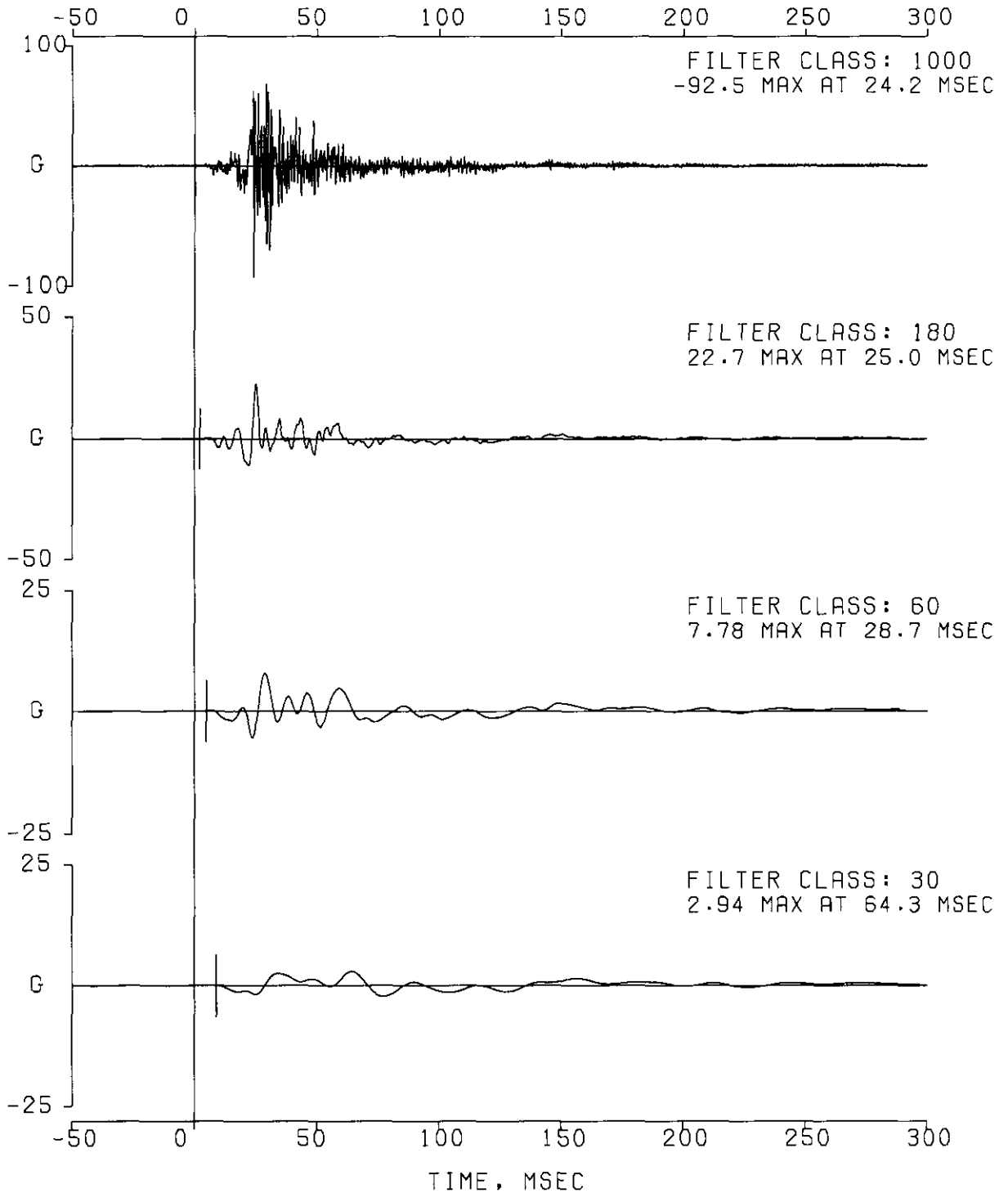


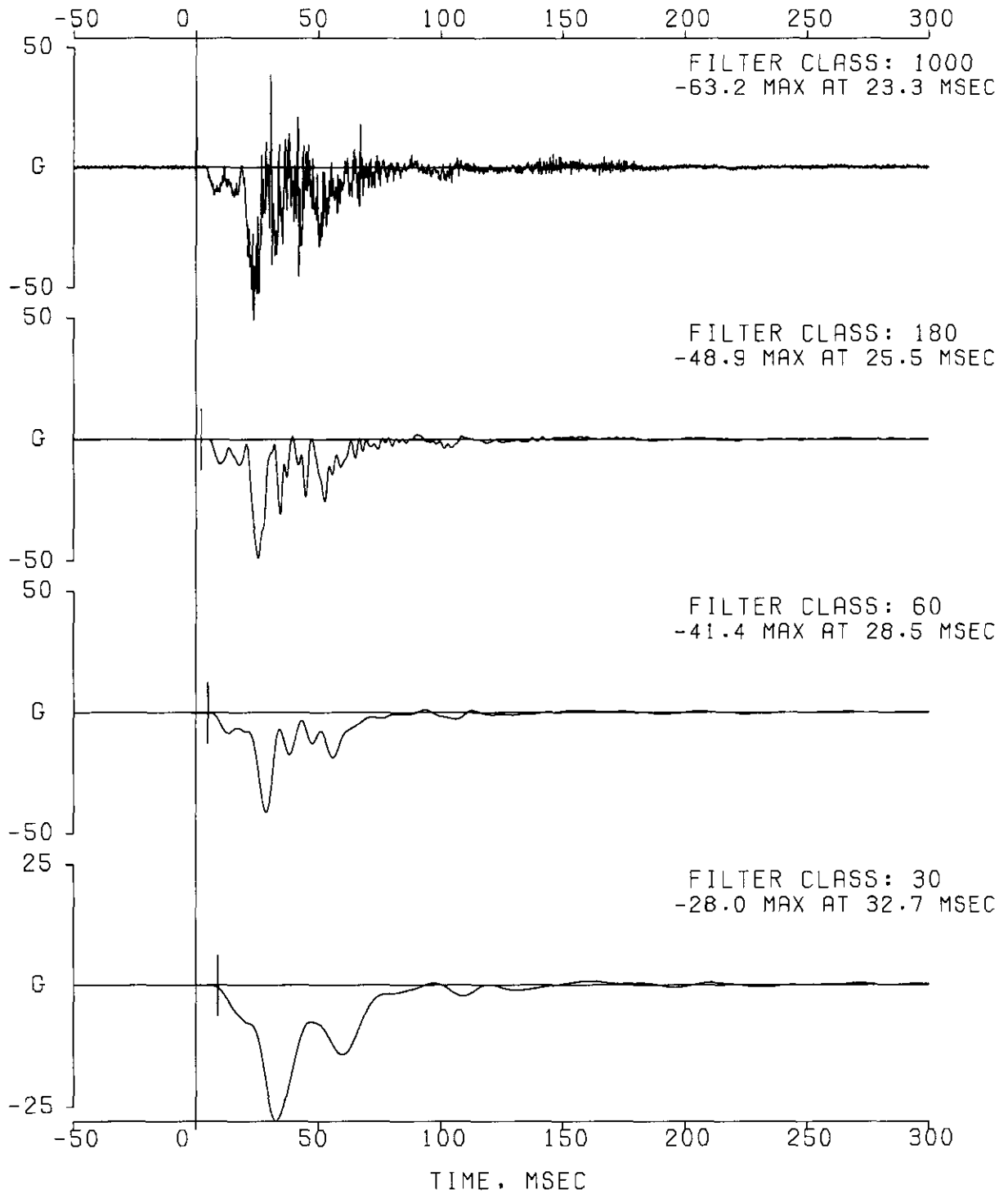
COMPUTED MPH
COMPUTED IN

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 050 LEFT REAR SILL Z ETBB872
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 059
OF 066

DATA SET 12/08/00BD
ERRATA 1

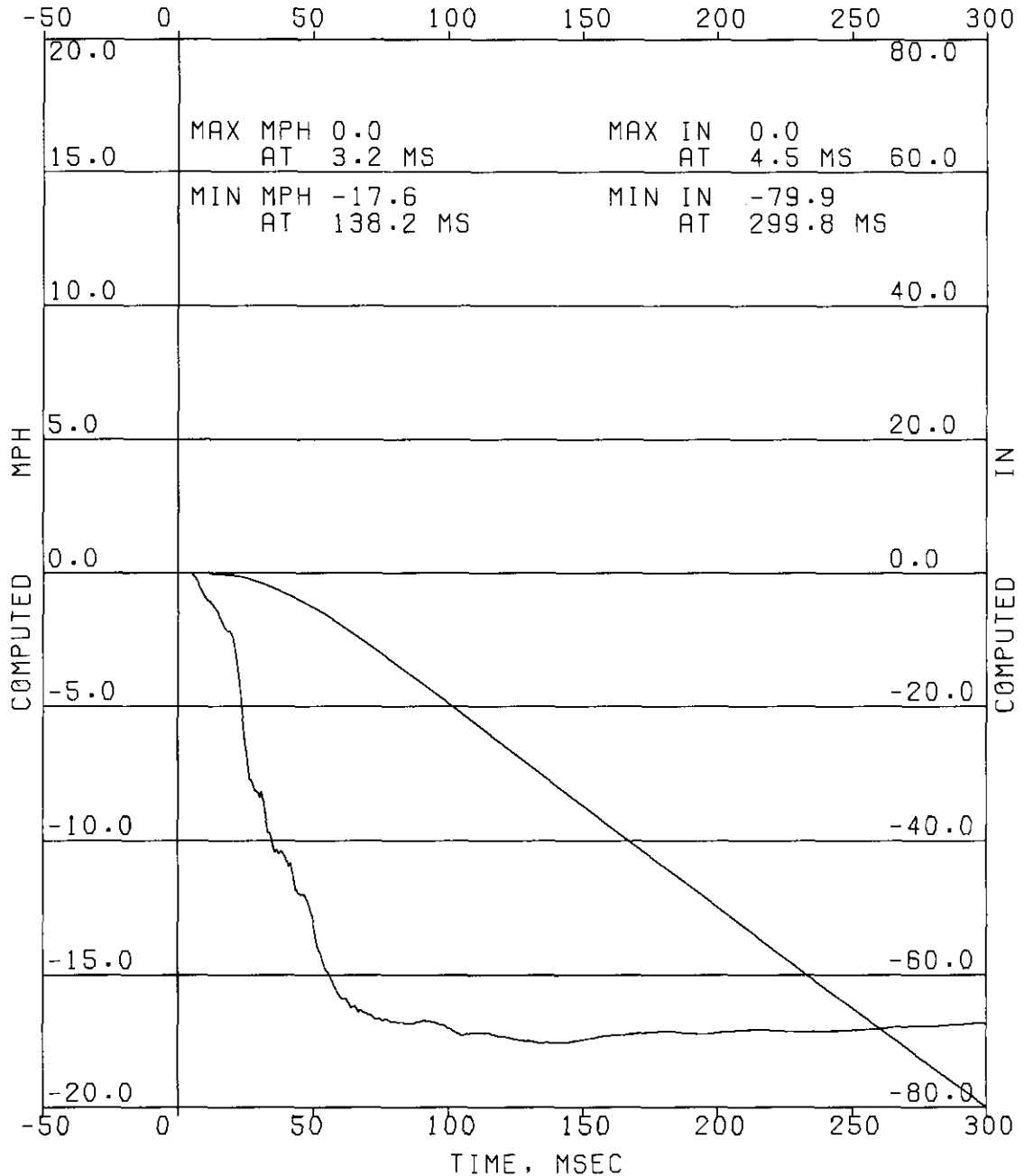




FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

DATA SET 12/08/00BD
ERRATA 1

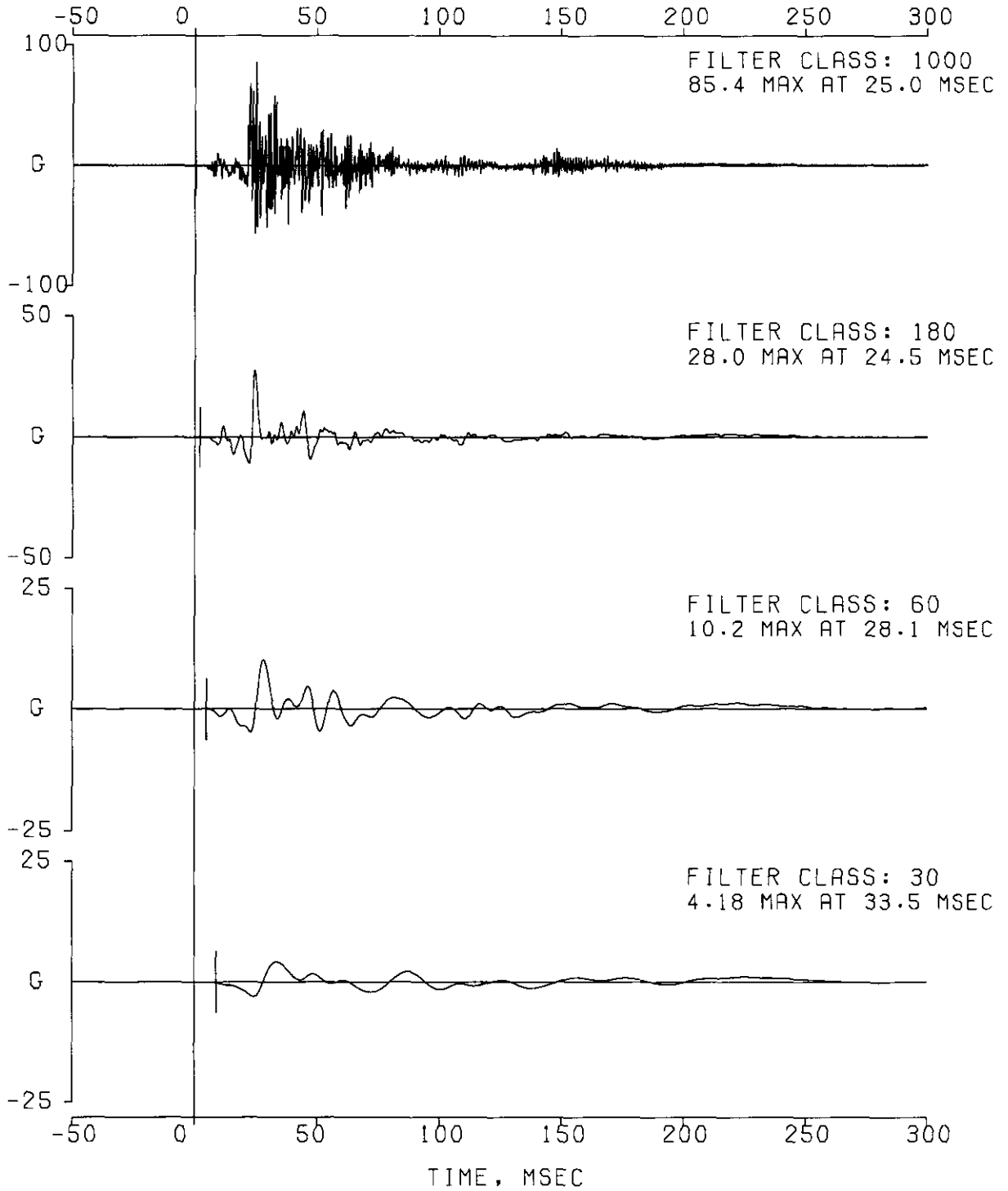


COMPUTED MPH
COMPUTED IN

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 052 RIGHT REAR SILL Z P16119
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 062
OF 066

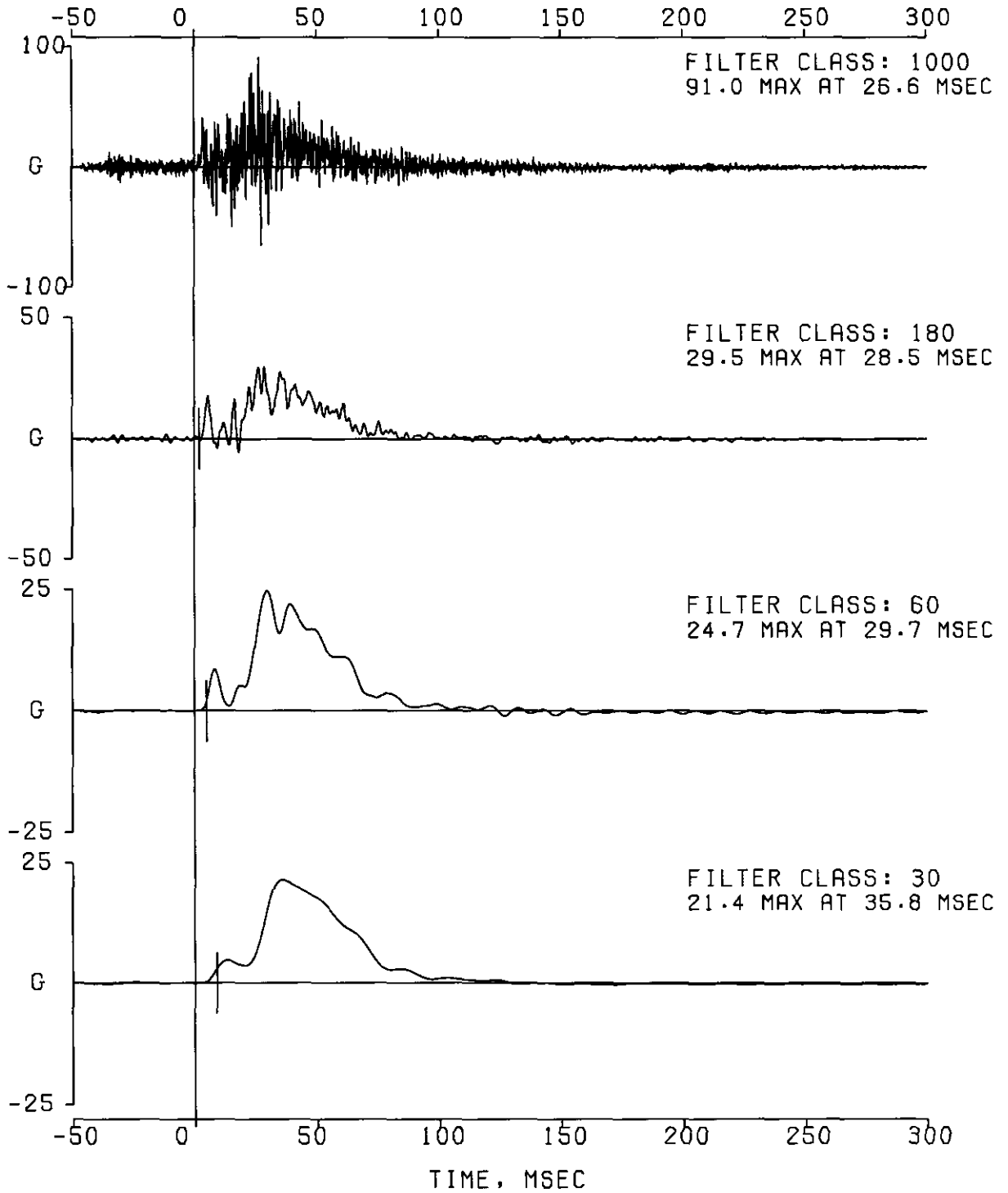
DATA SET 12/08/00BD
ERRATA 1



VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 065 LT RAIL MBAR MID X 14414
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 063
OF 066

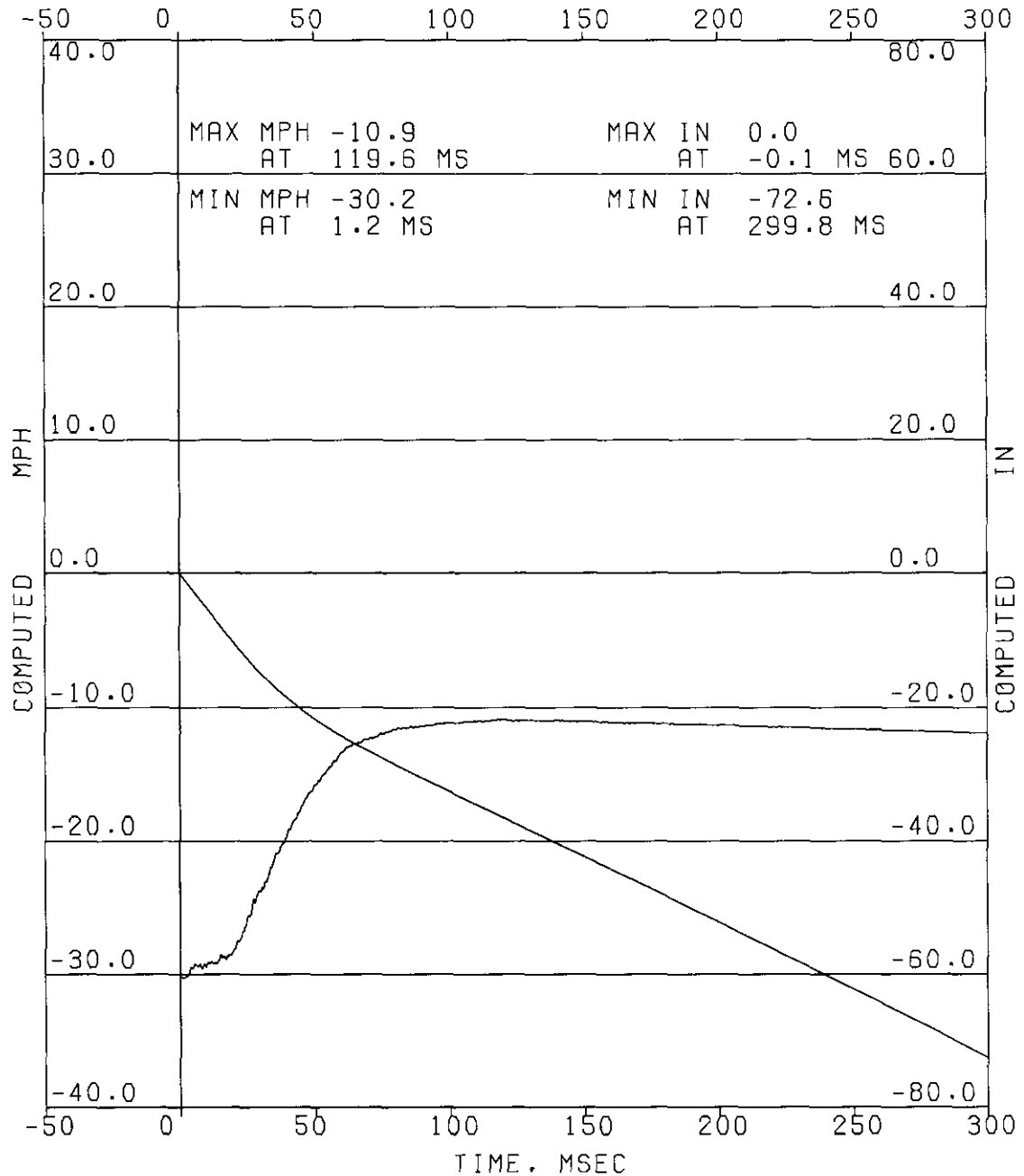
DATA SET 12/08/00BE
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
DEC 8, 2000

DATA SET 12/08/00BE
ERRATA 1

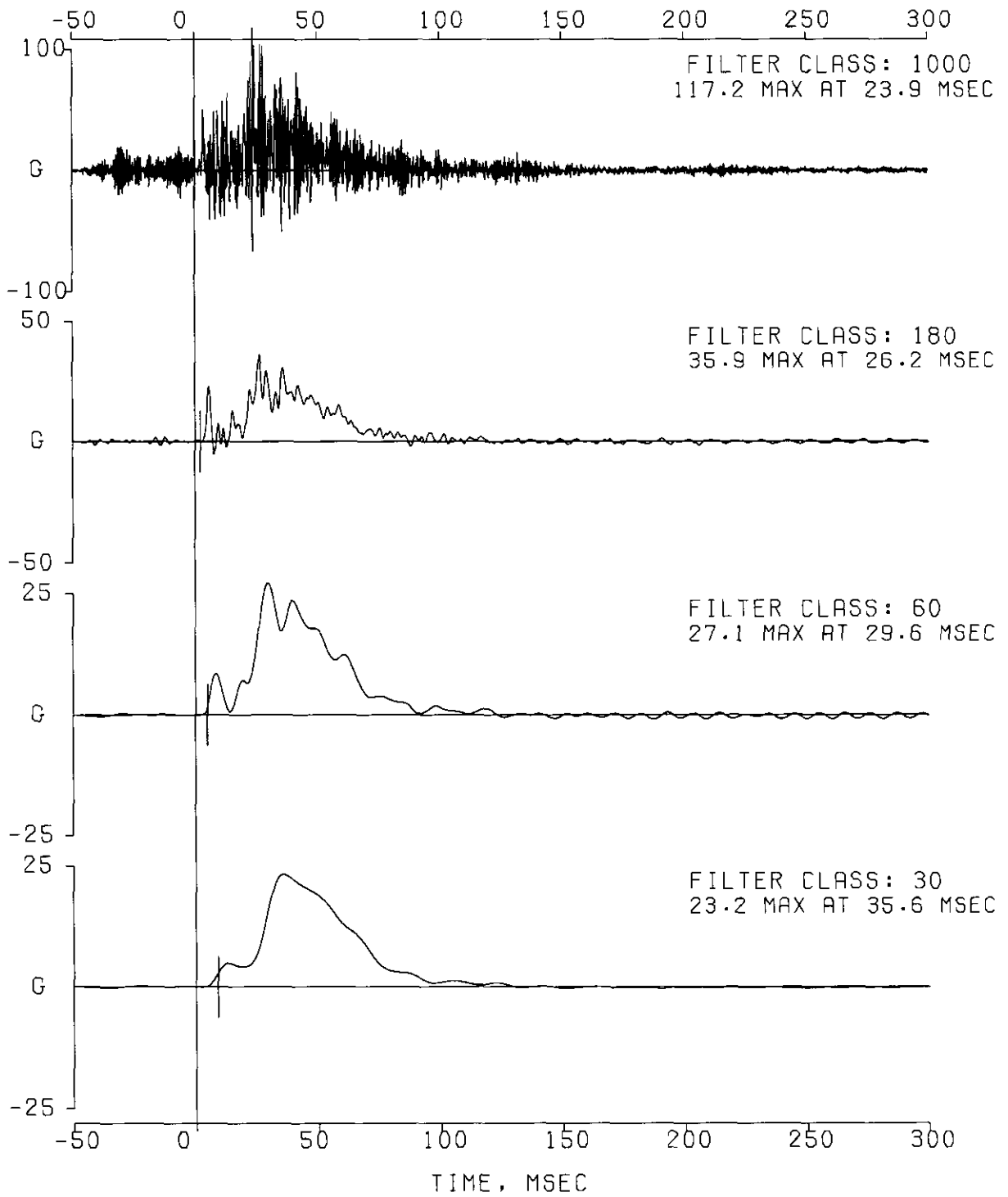


COMPUTED MPH
COMPUTED IN

VC08945 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ3656R
2002 MVSS 301 REAR IMPACT DEVELOPMENT.
CHANNEL 066 RT RAIL MBAR MID X 510091
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
DEC 8,2000

PAGE 065
OF 066

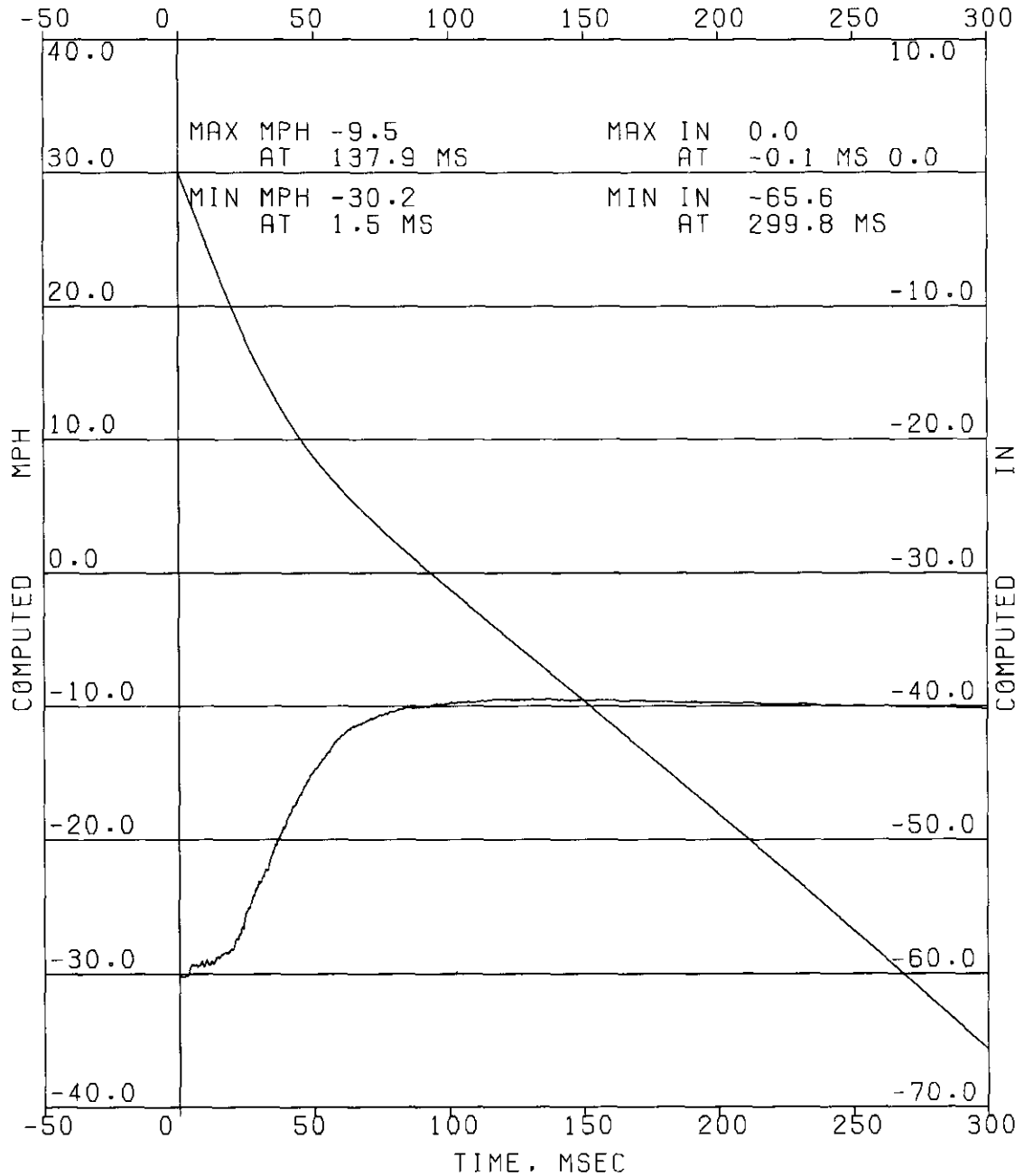
DATA SET 12/08/00BE
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
DEC 8, 2000

DATA SET 12/08/00BE
ERRATA 1



COMPUTED MPH
COMPUTED IN

EA12-005

CHRYSLER

12-13-2012

Enclosure 6B

301 Developmental Crash
Tests Public

KJ Development Crash Test

VC08945.Photos-PostTest



EA12-005- Chrysler -004783

post



8945 post

EA12-005- Chrysler -004784



EA12-005 - Chrysler

8945 post

4x4

8945

8945



EA12-005- Chrysler -004786

8945 post

8945 post

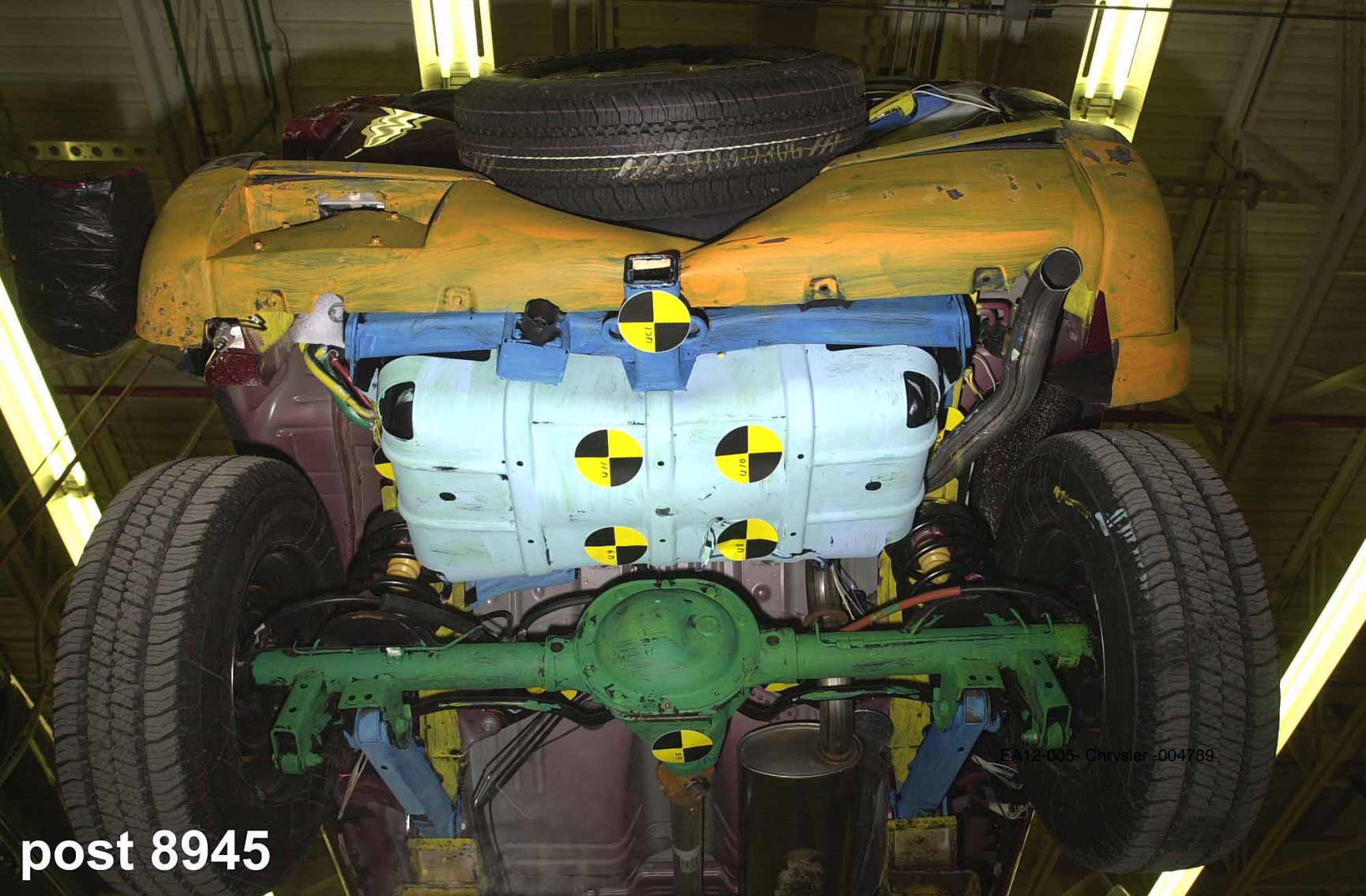


EA12-005 © 2012



EA12-005- Chrysler -004788

post 8945

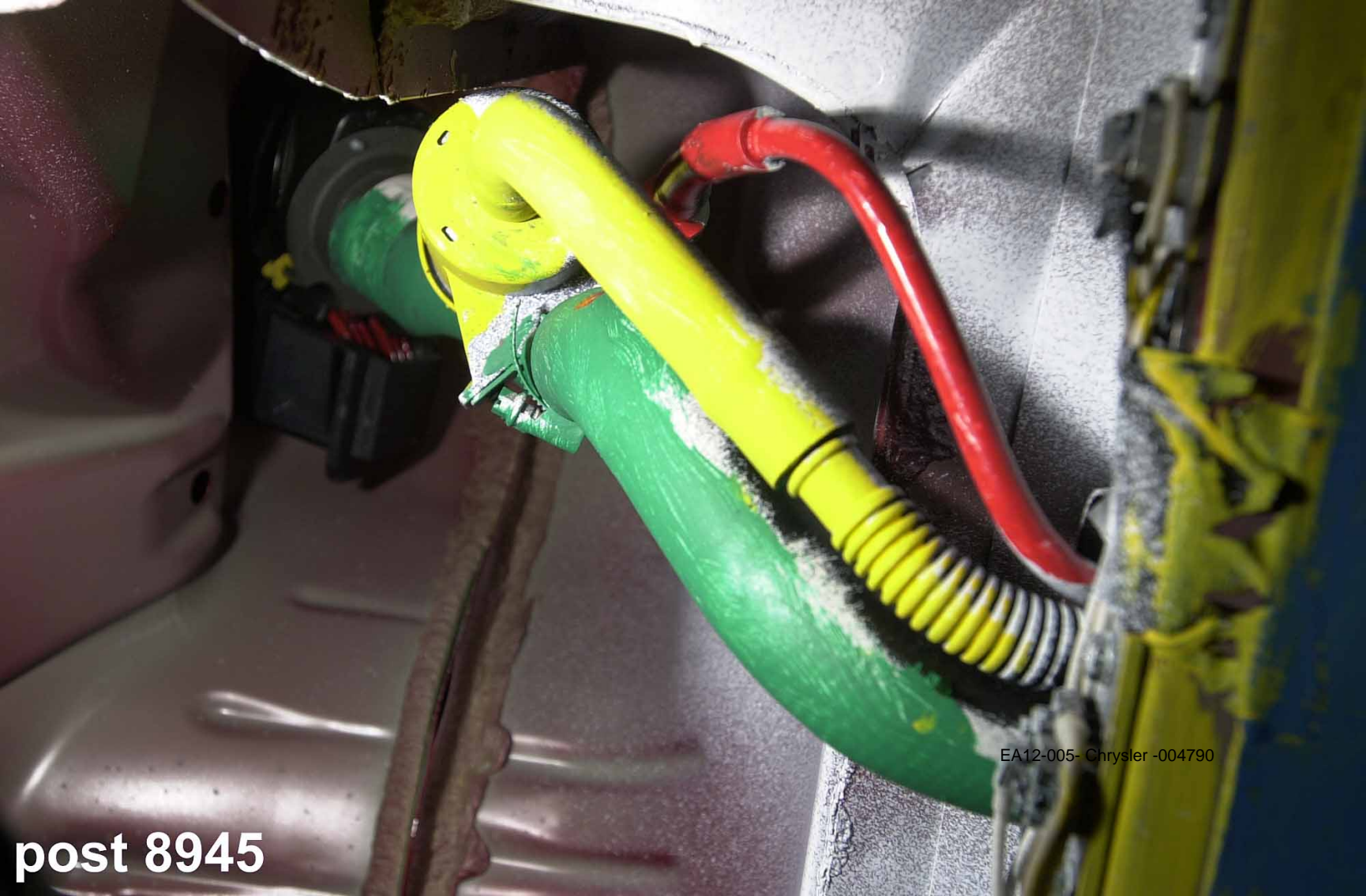


EA12-005- Chrysler -004789

post 8945

post 8945

EA12-005- Chrysler -004790



EA12-005

CHRYSLER

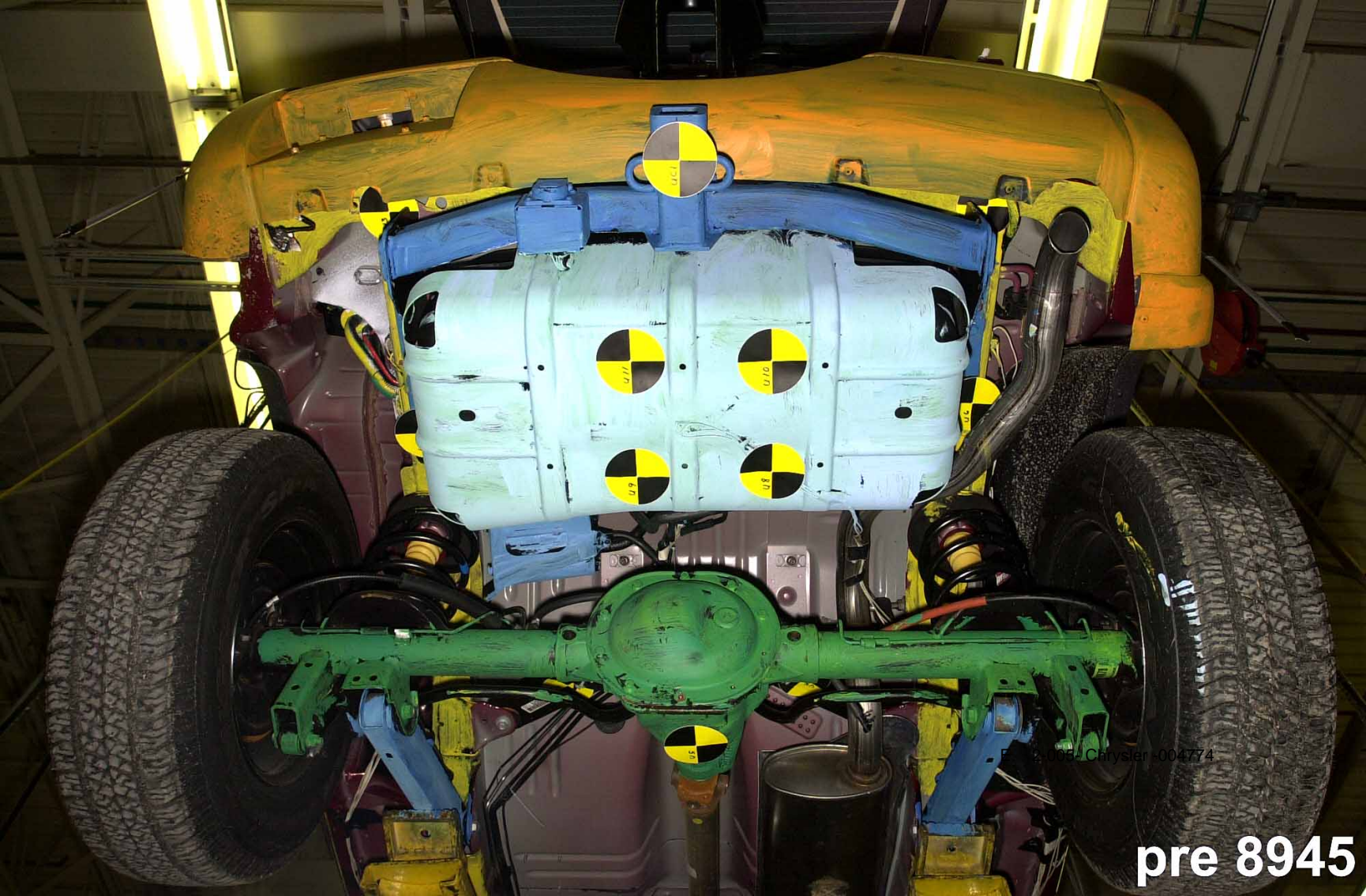
12-13-2012

Enclosure 6B

301 Developmental Crash
Tests Public

KJ Development Crash Test

VC08945.Photos-PreTest



© Chrysler 004774

pre 8945

pre 8945

EA12-005- Chrysler -004775





EA12-005- Chrysler -004776

pre 8945



8945

CHEROKEE 4x4

29.76

8945

EA12-005- Chrysler -004777

8945 pre



EA12-005- Chrysler -004778

8945 pre

4x4



8945

EA12-005- Chrysler -004779

8945 pre



8945

CHEROKEE 4x4

29.76

8945

EA12-005- Chrysler -004780

8945 pre



EA12-005- Chrysler -004781

8945 pre

4x4



8945

EA12-005- Chrysler -004782

8945 pre