

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC05441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI ITEM ZJ8554
1996 MVSS VALIDATION - 301.
TEST DATE 04/12/95

TEST PURPOSE PRIMARY, 1996 USA 301 VALIDATION.
OBSERVE FUEL SYSTEM INTEGRITY.

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

VEHICLE BODY CLASS; ZJ
CAR LINE; J
BODY; 74
ENGINE; 4.0 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 4 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4GZ58S?TC113147 MOD.
VIN AS BUILT; 1J4GZ58S5RC113147 MOD.

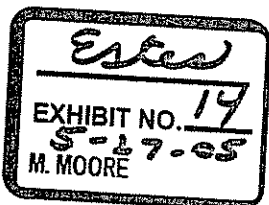
TEST SPEED 30.1 MPH - TRAP TIMER

TEST WEIGHT (LBS) 4816 TOTAL, 2708 FRONT, 2108 REAR

OCCUPANTS LEFT FRONT, HYB II, BALLAST. AD-63
RESTRAINT-BELTS ONLY.
RIGHT FRONT, HYB II, BALLAST. AD-52
RESTRAINT-BELTS ONLY.

BUILD CONDITION 1994 PRODUCTION BUILT ZJ GRAND CHEROKEE MODIFIED
TO REPRESENT 1996 PRODUCTION FOR REAR IMPACT.
4.0L ENGINE, 4 SPEED AUTO TRANS, 4X4
POWER STEERING, A/C, ABS BRAKES, ROOF RACK
P215/75R15 TIRES WITH P225/75R15 SPARE TIRE.
1996 CO-EXTRUDED FUEL TANK WITH REINFORCED
SENDING UNIT COVER.
1996 STEEL FUEL RAILS AND MATCHING LINE BUNDLE.
1996 REAR LIFT GATE WITH FIXED GLASS
1996 REINFORCED BUMPER BAR, FASCIA & BRACKETS

TARGET WEIGHT (LBS) 4163 TOTAL, 2311 FRONT, 1852 REAR REP MAX OPT. WT.
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.



DC 03416

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC05441 30 MPH REAR BARRIER, ZJ74, 4.0L MPI ITEM ZJ8554
1996 MVSS VALIDATION - 301.
TEST DATE 04/12/95

FUEL AND BALLAST

21.8 GALLONS OF STODDARD SOLVENT.
100 LBS DRIVER FRONT FLOOR PAN
100 LBS PASSENGER FRONT FLOOR PAN
100 LBS DRIVER REAR FLOOR PAN
100 LBS PASSENGER REAR FLOOR PAN
170 CARGO AREA
(570 TOTAL BALLAST ADDED)

POST TEST REMARKS DURING POST TEST STATIC ROLL, EXCESSIVE FUEL
LEAKAGE IN THE 90 TO 180 DEGREE ROLL PHASE.

REPORT CODES

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

DISTRIBUTION

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

DATE 04/18/95

TIME 08.12.40.

DC 03417

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

ITEM ZJ8554 CHARGE NO. 11111111 ISSUE DATE 03/10/95

VC 5441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI.
1996 MVSS VALIDATION - 301.

TEST DATE 4 / 12 / 95 ENGINEER MARTIN
SPEED 30.1 MPH SOURCE TRAP

TEST PURPOSE PRIMARY, 1996 USA 301 VALIDATION.
OBSERVE FUEL SYSTEM INTEGRITY.

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

VEHICLE BODY CLASS; ZJ
CAR LINE; J
BODY; 74
ENGINE; 4.0 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 4 SPEED AUTO 4x4
TRANS. NOTE;
VIN AS TESTED; 1J4GZ58S?TC113147 MOD.
VIN AS BUILT; 1J4GZ58S5RC113147 MOD.

BUILD CONDITION 1994 PRODUCTION BUILT ZJ GRAND CHEROKEE MODIFIED
TO REPRESENT 1996 PRODUCTION FOR REAR IMPACT.
4.0L ENGINE. 4 SPEED AUTO TRANS, 4X4
POWER STEERING, A/C, ABS BRAKES; ROOF RACK
P215/75R15 TIRES WITH P225/75R15 SPARE TIRE.
1996 CO-EXTRUDED FUEL TANK WITH REINFORCED
SENDING UNIT COVER.
1996 STEEL FUEL RAILS AND MATCHING LINE BUNDLE.
1996 REAR LIFT GATE WITH FIXED GLASS
1996 REINFORCED BUMPER BAR, FASCIA & BRACKETS

TARGET WEIGHT (LBS) 4163 TOTAL, 2311 FRONT, 1852 REAR REP MAX OPT. WT.
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

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

FUEL BALLAST 21.8 GALLONS OF STODDARD SOLVENT.

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

OTHER BALLAST _____

POST TEST REMARKS _____

CHRYSLER MOTORS
SAFETY TEST
VEHICLE CRASH TEST REQUEST

OCCUPANTS LEFT FRONT, HYB II, BALLAST. AD NO _____
RESTRAINT-BELTS ONLY.
RIGHT FRONT, HYB II, BALLAST. AD NO _____
RESTRAINT-BELTS ONLY.

MECHANICAL REQ PLACE SEAT IN MID TRACK POSITION.
FUEL PUMP TO BE RUNNING DURING TEST.
RUN FUEL PUMP PRE TEST TO CHECK CONNECTIONS.
PRESSURE CHECK PRE AND POST TEST.
STATIC ROLL POST TEST.
PAINT REAR DIFFERENTIAL AND GAS TANK FOR VIEWING.
PAINT FILLER NECK AREA FOR VISIBILITY.

INSTRUMENTATION REQ SEE 3RD SHEET NO. 107 FOR ACCELEROMETER REQUIREMENTS AND LOCATIONS (THE 4 SILL ACCELEROMETERS ARE TO BE BI-AXIAL).

PHOTOGRAPHIC REQ
✓ 1-LEFT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE.
✓ 1-RIGHT SIDE OVERALL CAMERA TO VIEW ENTIRE VEHICLE
✓ 1-CATWALK CAMERA TO VIEW ENTIRE VEHICLE.
✓ 1-PIT CAMERA TO VIEW UNDERBODY, AXLE TO BUMPER.
1-PIT CAMERA CLOSE-UP OF FILLER NECK.

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

REMARKS MAKE 1 FILM COPY AND 1 VHS COPY, SEND TO:
J.B. ESTES 514-15-58
PLEASE RETURN VEHICLE POST TEST TO JTE.

T. E. REPORT 301 FUEL SYSTEMS REPORT REQUIRED.

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

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

X, Y, Z DIMENSIONS

TEST NUMBER VC5441

LOC.	X	Y	Z
LFS	59.0	-33.7	14.3
LMS	89.1	-34.1	14.3
LRA	136.4	-30.8	12.9
		-	
		-	
		-	

LOC.	X	Y	Z

TRAMMEL MEASUREMENTS:

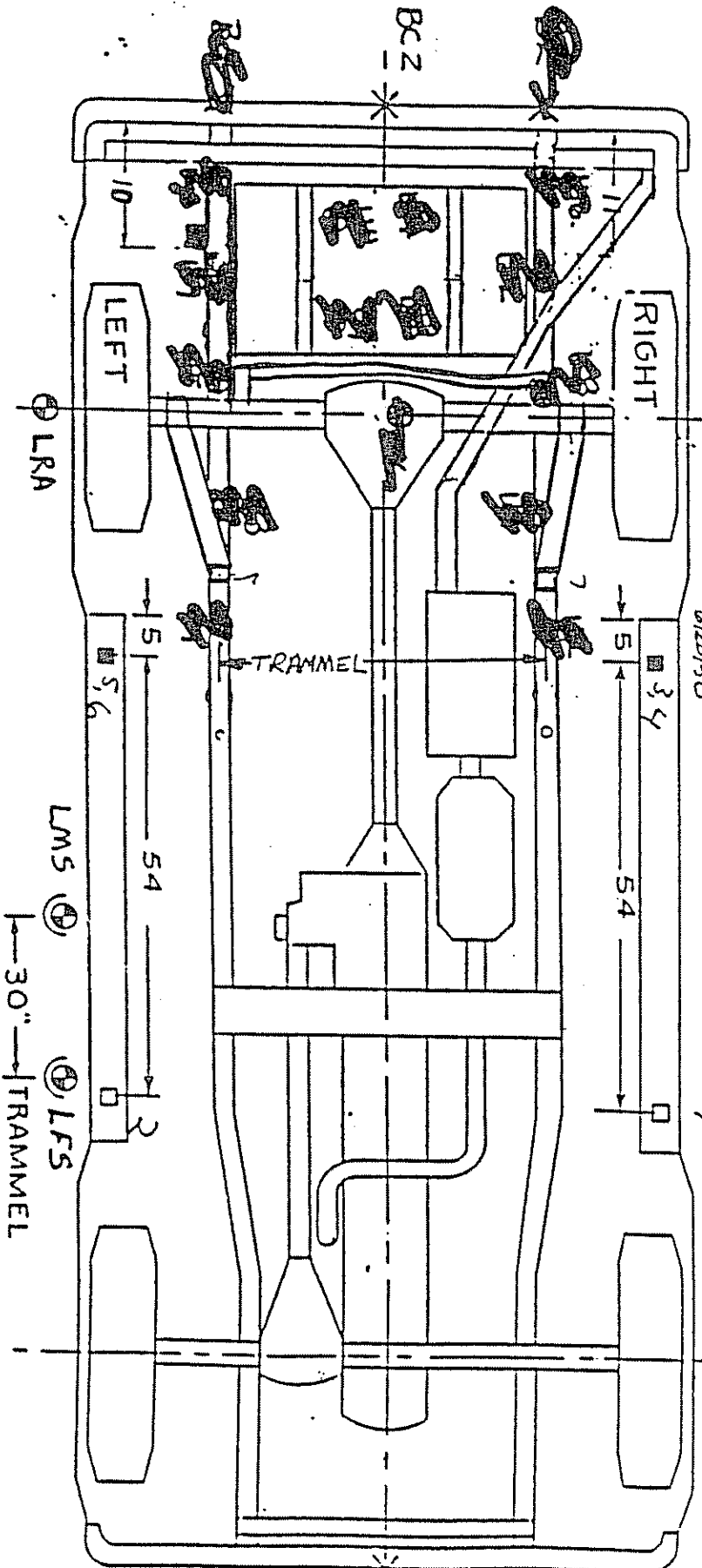
LEFT SILL: PRE 36.08

THIRD SHEET 106, ITEM ZT8554 (544)
 JEEP ZT 4x4
 TARGET AND ACCELEROMETER LOCATIONS
 FOR REAR IMPACTS

ZENONS READ ON ROOF

ELEC FUEL PUMP TO BE
 RUNNING DURING IMPACT

ACCEL. LOCATIONS ARE XJ (REF. SHEET 102)
 ACTUAL LOCATIONS PER T. MAULE



DC 03421

TARGETS

- ⊙ PUNCH POINT
- ⊙ UNDERBODY
- ⊙ SIDE VIEW

NOTES -

1. PRE AND POST DIMENSIONS ARE REQUIRED PER BREITMOSER LETTER OF 01-04-68
2. NUMBERS ASSIGNED TO EACH TARGET ARE PERMANENT
3. TARGETS MAY BE DELETED BY NUMBER PER TR.
4. ADDITIONAL TARGETS MAY BE REQUESTED BY TR.
5. LOCATIONS SHOWN ARE APPROX TO ±0.5 IN.

LEGEND

- ACCELEROM - □ SINGLE AXIS, X
- BIAXIAL, X & Z

TUBE COLOR Blue

FRONT SILL

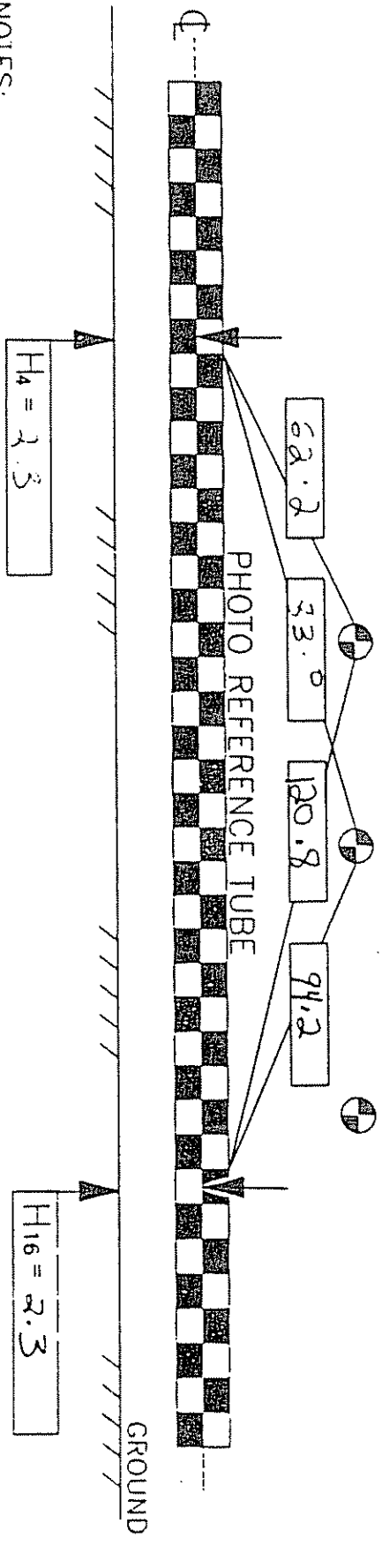
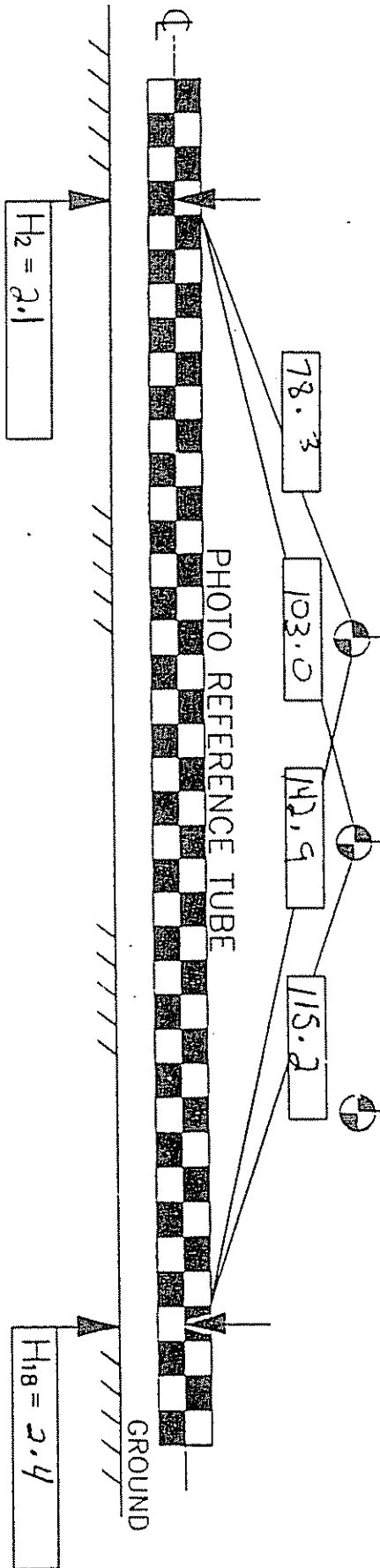
X =
Y =
Z = 13.6

REAR SILL

X =
Y =
Z = 13.9

REAR AXLE

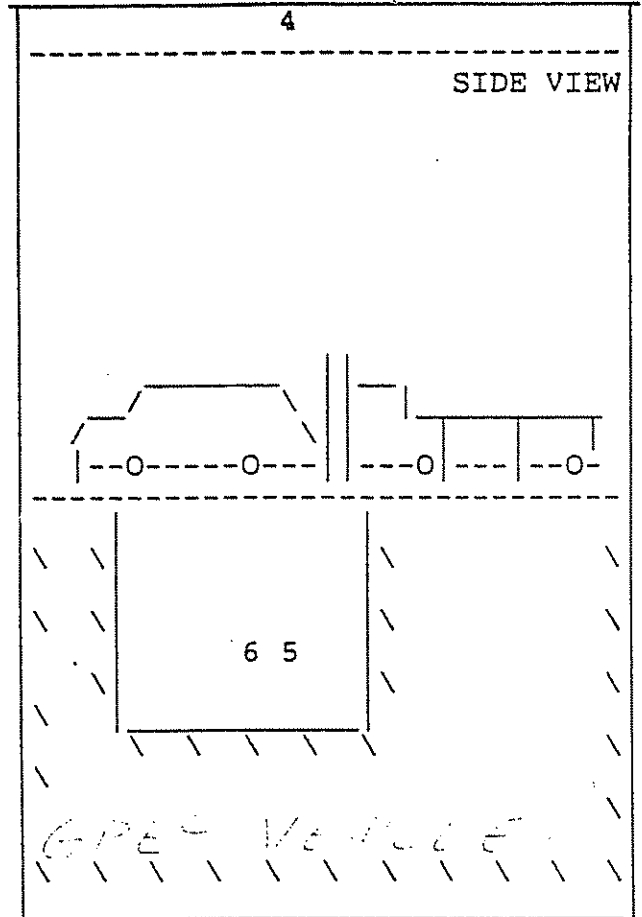
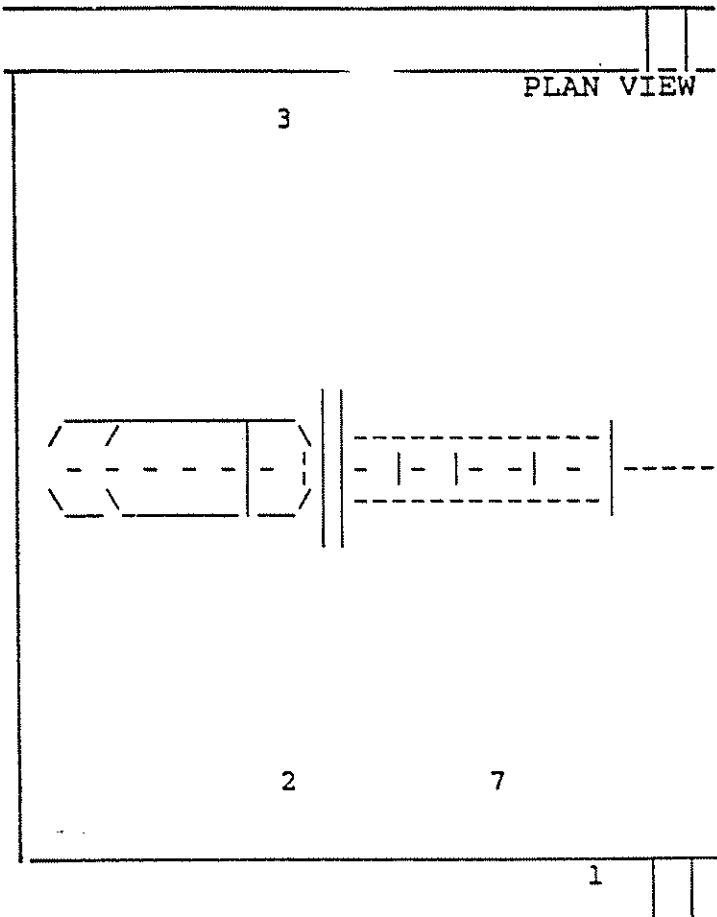
X =
Y =
Z = 13.7



NOTES:

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

FOR REAR IMPACT TESTS - DIMENSIONING BETWEEN SILL TARGETS AND PHOTO REFERENCE TUBE TEST ENGR 544 2. MAR 25/11 VC



TEST NUMBER VC5441 TEST TYPE: 30 MPH TYPE IV MOVING BARRIER REAR IMPACT
 TEST ENGINEER MARTIN REQUEST DATE : 03/30/95 VEHICLE BODY CLASS : ZJ

#	VIEW DESCRIPTION A=ANALYSIS	CAM S/N	LENS F.L.	LENS S/N	LENS MFG.	F- STOP	PNL	SKT	CBL	CAM MFG
1	PANNING									
2	A LT. OVERALL	1890	25mm	106472	K1A1					
3	RT. OVERALL	284	18mm	107230						
4	CATWALK OVERALL	432	18mm	107233						
5	PIT AXLE TO BUMPER	1891	25mm	31637	COS					
6	PIT CLOSE UP FILL TUBE	433	25mm	52678	COS					
7	A-VELOCITY	286	100mm	B2088	ELGERT					

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC5441 ITEM NUMBER ZJ8554 TEST ENGINEER MARTIN

V.I.N. 1J4GZ58S?TC113147, TEST DATE 4/12/95, ROLL DATE 4/13/95

TEST TYPE; 30 MPH FRONT FLAT FIXED BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 21.8 GALLONS

TEST SPEED _____ MPH, TEST WEIGHT _____ POUNDS.

POST TEST FUEL SYSTEM OBSERVATIONS APPEARS TO BE A FAULTY ROLL-OVER VALVE

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

POST TEST PRESSURE CHECK OK

ELECTRIC FUEL PUMP RUN _____

STATIC ROLL LEAKAGE WITH VEHICLE DRIVER SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL						
ROLL TIME						TOTAL
0-90	1ST 5 MIN					∅ *
2:00	POST 5 MIN					∅ **
90-180	1ST 5 MIN					Pressure = 3.5ml *
1:36	POST 5 MIN					11ml **
180-270	1ST 5 MIN					2ml *
2:27	POST 5 MIN					∅ **
270-360	1ST 5 MIN					∅ *
3:24	POST 5 MIN					∅ **

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

LAST FORM MODIFICATION 5/27/93 - GAB

DATE 04/18/95
TIME 09.57.34.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC05441 ITEM ZJ8554
VC05441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI ITEM ZJ8554
1996 MVSS VALIDATION - 301.
TEST DATE 04/12/95

TEST PURPOSE PRIMARY, 1996 USA 301 VALIDATION.
OBSERVE FUEL SYSTEM INTEGRITY.

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

VEHICLE BODY CLASS: ZJ
CAR LINE: J
BODY: 74
ENGINE: 4.0 LITRE
ENGINE NOTE: ELECTRONIC FUEL INJECTION
TRANSMISSION: 4 SPEED AUTO 4x4
TRANS. NOTE:
VIN AS TESTED: 1J4GZ58S?TC113147 MOD.
VIN AS BUILT: 1J4GZ58S5RC113147 MOD.

TEST SPEED 30.1 MPH - TRAP TIMER

TEST WEIGHT (LBS) 4816 TOTAL, 2708 FRONT, 2108 REAR

OCCUPANTS LEFT FRONT, HYB II, BALLAST. AD-63
RESTRAINT-BELTS ONLY.
RIGHT FRONT, HYB II, BALLAST. AD-52
RESTRAINT-BELTS ONLY.

BUILD CONDITION 1994 PRODUCTION BUILT ZJ GRAND CHEROKEE MODIFIED
TO REPRESENT 1996 PRODUCTION FOR REAR IMPACT
4.0L ENGINE, 4 SPEED AUTO TRANS, 4x4
POWER STEERING, A/C, ABS BRAKES, ROOF RACK
P215/75R15 TIRES WITH P225/75R15 SPARE TIRE.
1996 CO-EXTRUDED FUEL TANK WITH REINFORCED
SENDING UNIT COVER.
1996 STEEL FUEL RAILS AND MATCHING LINE BUNDLE.
1996 REAR LIFT GATE WITH FIXED GLASS
1996 REINFORCED BUMPER BAR, FASCIA & BRACKETS

TARGET WEIGHT (LBS) 4163 TOTAL, 2311 FRONT, 1852 REAR REP MAX OPT. WT.
NOT INCLUDING OCCUPANTS OR LUGGAGE BALLAST.

DC 03425

DATE 04/18/95
TIME 09.57.34.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC05441 ITEM ZJ8554
VC05441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI ITEM ZJ8554
1996 MVSS VALIDATION - 301.
TEST DATE 04/12/95

FUEL AND BALLAST

21.8 GALLONS OF STODDARD SOLVENT.
100 LBS DRIVER FRONT FLOOR PAN
100 LBS PASSENGER FRONT FLOOR PAN
100 LBS DRIVER REAR FLOOR PAN
100 LBS PASSENGER REAR FLOOR PAN
170 CARGO AREA
(570 TOTAL BALLAST ADDED)

POST TEST REMARKS DURING POST TEST STATIC ROLL, EXCESSIVE FUEL
LEAKAGE IN THE 90 TO 180 DEGREE ROLL PHASE.

EDP TECHNICIAN S MARCHENIA

No. of Pages 27
CC

J. B. ESTES 514-15-58
D. J. MCKENZIE 422-05-01

DC 03426

TITLE: Page Index of EDP plots

Pages 001 - 027

***** VC05441A *****

TITLE: Transducer Summary Reports

Pages 001 - 002

SYSTEM: ENGLISH

PAGE: 001 TSR Channels 001 - 008

PAGE: 002 TSR Channels 009 - 014

***** VC05441B *****

TITLE: Vehicle Channels

Pages 003 - 023

SYSTEM: ENGLISH

PAGE: 003 Average of Sill Chls 1, 3, 5, & 7

PAGE: 004 Average of Frt Sill Chls 1 & 3

PAGE: 005 LEFT FRONT SILL X, Chl 1

PAGE: 006 LEFT FRONT SILL X, Chl 1, VD

PAGE: 007 LEFT FRONT SILL Z, Chl 2

PAGE: 008 RIGHT FRONT SILL X, Chl 3

PAGE: 009 RIGHT FRONT SILL X, Chl 3, VD

PAGE: 010 RIGHT FRONT SILL Z, Chl 4

PAGE: 011 LEFT REAR SILL X, Chl 5

PAGE: 012 LEFT REAR SILL X, Chl 5, VD

PAGE: 013 LEFT REAR SILL Z, Chl 6

PAGE: 014 RIGHT REAR SILL X, Chl 7

PAGE: 015 RIGHT REAR SILL X, Chl 7, VD

PAGE: 016 RIGHT REAR SILL Z, Chl 8

PAGE: 017 LT RAIL TRAIL ARM PIV X, Chl 9

PAGE: 018 LT RAIL TRAIL ARM PIV X, Chl 9, VD

PAGE: 019 RT RAIL TRAIL ARM PIV X, Chl 10

PAGE: 020 RT RAIL TRAIL ARM PIV X, Chl 10, VD

PAGE: 021 RT REAR RAIL MID TANK X, Chl 11

PAGE: 022 RT REAR RAIL MID TANK X, Chl 11, VD

PAGE: 023 RT REAR RAIL MID TANK Z, Chl 12

***** VC05441C *****

TITLE: Moving barrier Channels

Pages 024 - 027

SYSTEM: ENGLISH

PAGE: 024 LT RAIL MBAR MID X Chl 13

PAGE: 025 LT RAIL MBAR MID X, Chl 13, VD

PAGE: 026 RT RAIL MBAR MID X Chl 14

PAGE: 027 RT RAIL MBAR MID X, Chl 14, VD

DC 03427

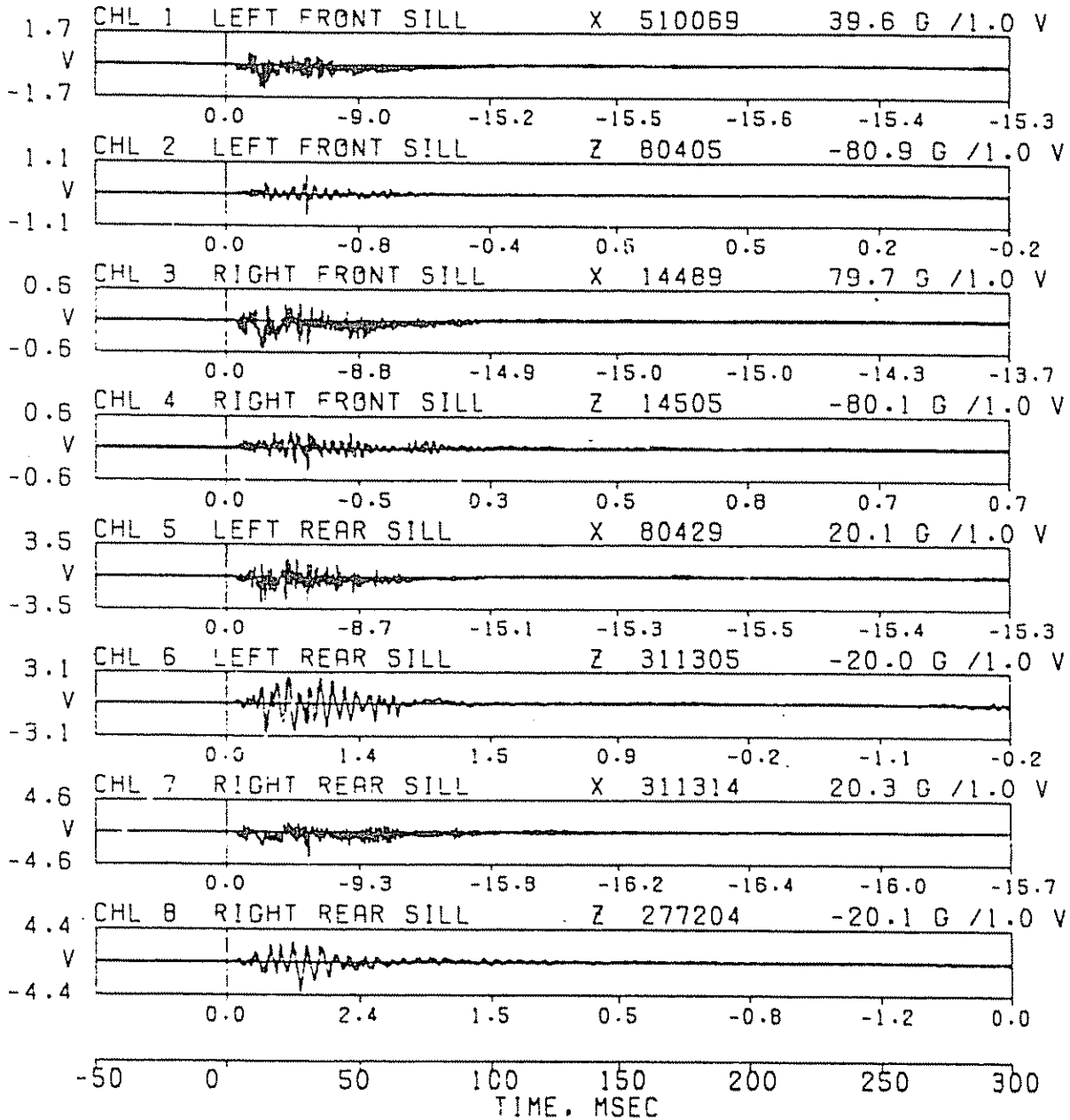
TRANSDUCER SUMMARY REPORT

VC05441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI, ITEM ZJ8554
 1996 MVSS VALIDATION - 301.
 IMPACT ANALYSIS DEPT. 5320

PAGE 001
 OF 027
 DATA SET 04/12/95BH
 ERRATA 1

APR 19, 1995

-50 0 50 100 150 200 250 300

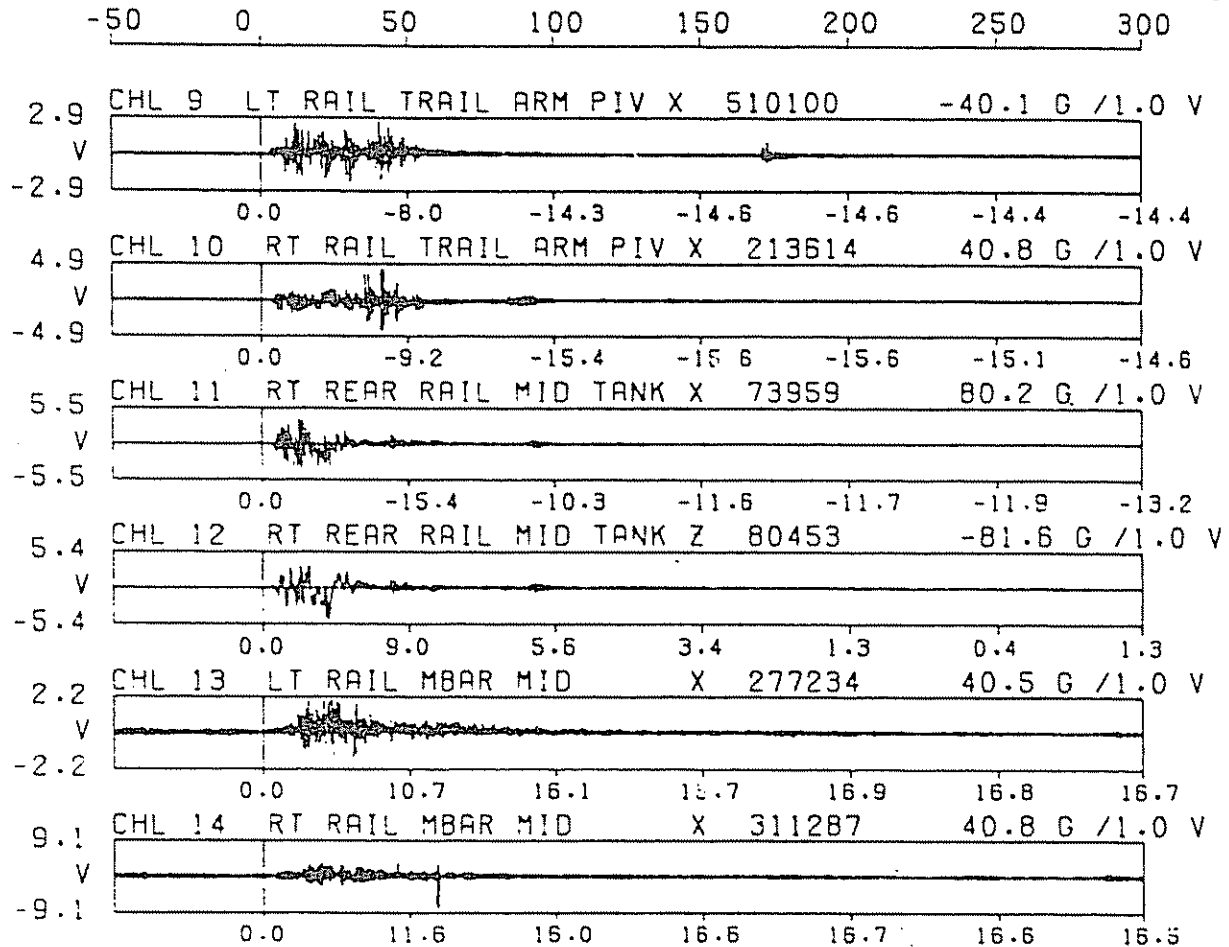


NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC05441 30 MPH REAR BARRIER. ZJJ74, 4.0L MPI. ITEM ZJ8554
 1996 MVSS VALIDATION - 301.
 IMPACT ANALYSIS DEPT. 5320
 APR 19, 1995

PAGE 002
 OF 027
 DATA SET 04/12/95BH
 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-.

VC05441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.
AVERAGE OF

PAGE 003
OF 027

CHANNEL 001 LEFT FRONT SILL	X	510069
CHANNEL 003 RIGHT FRONT SILL	X	14489
CHANNEL 005 LEFT REAR SILL	X	80429
CHANNEL 007 RIGHT REAR SILL	X	311314

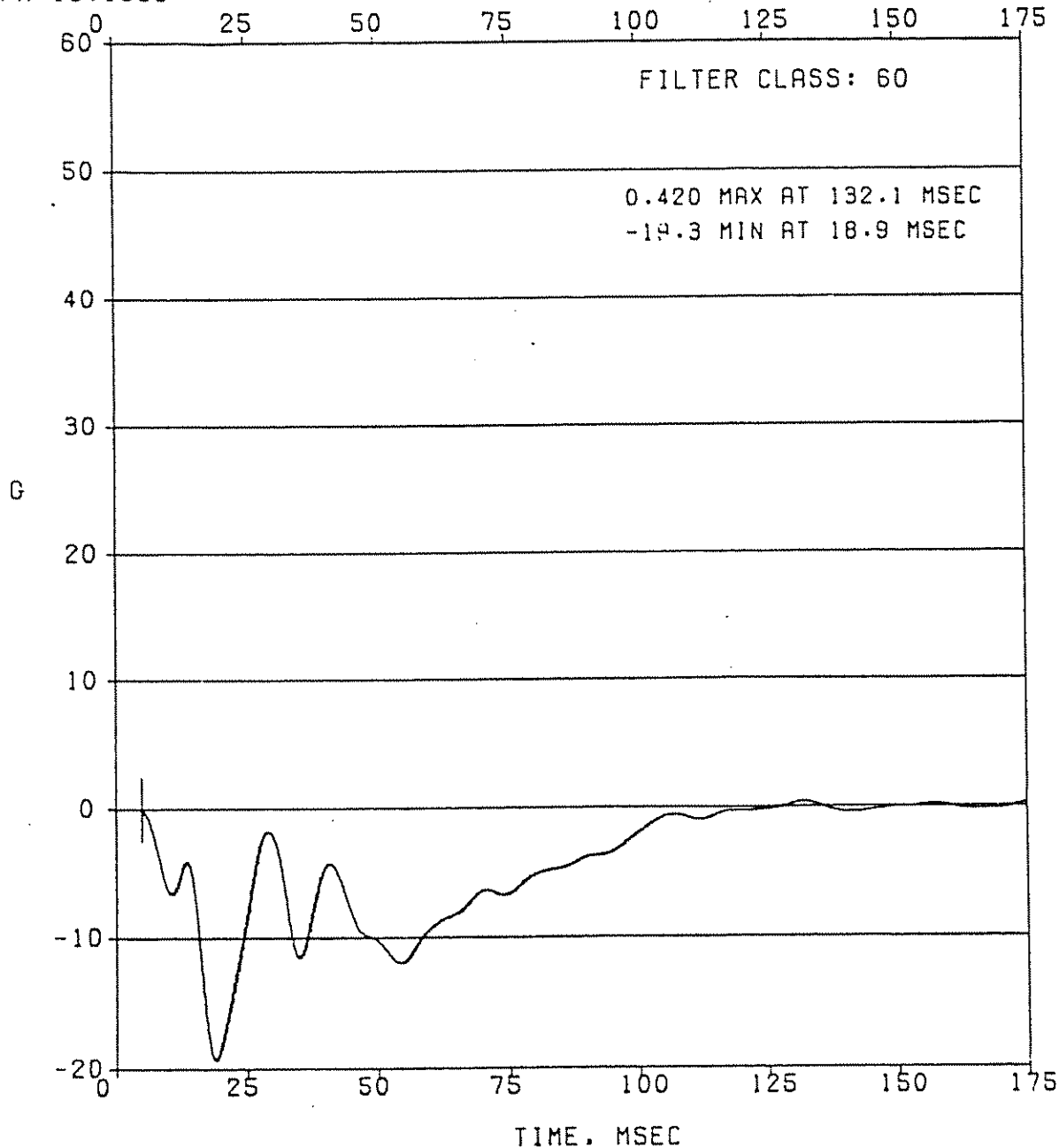
FILTER TYPE: SAE J2119/80 DC C60(TPF-R) EFF 3/24/86

IMPACT ANALYSIS DEPT. 5320

DATA SET 04/12/95BH

APR 19, 1995

ERRATA



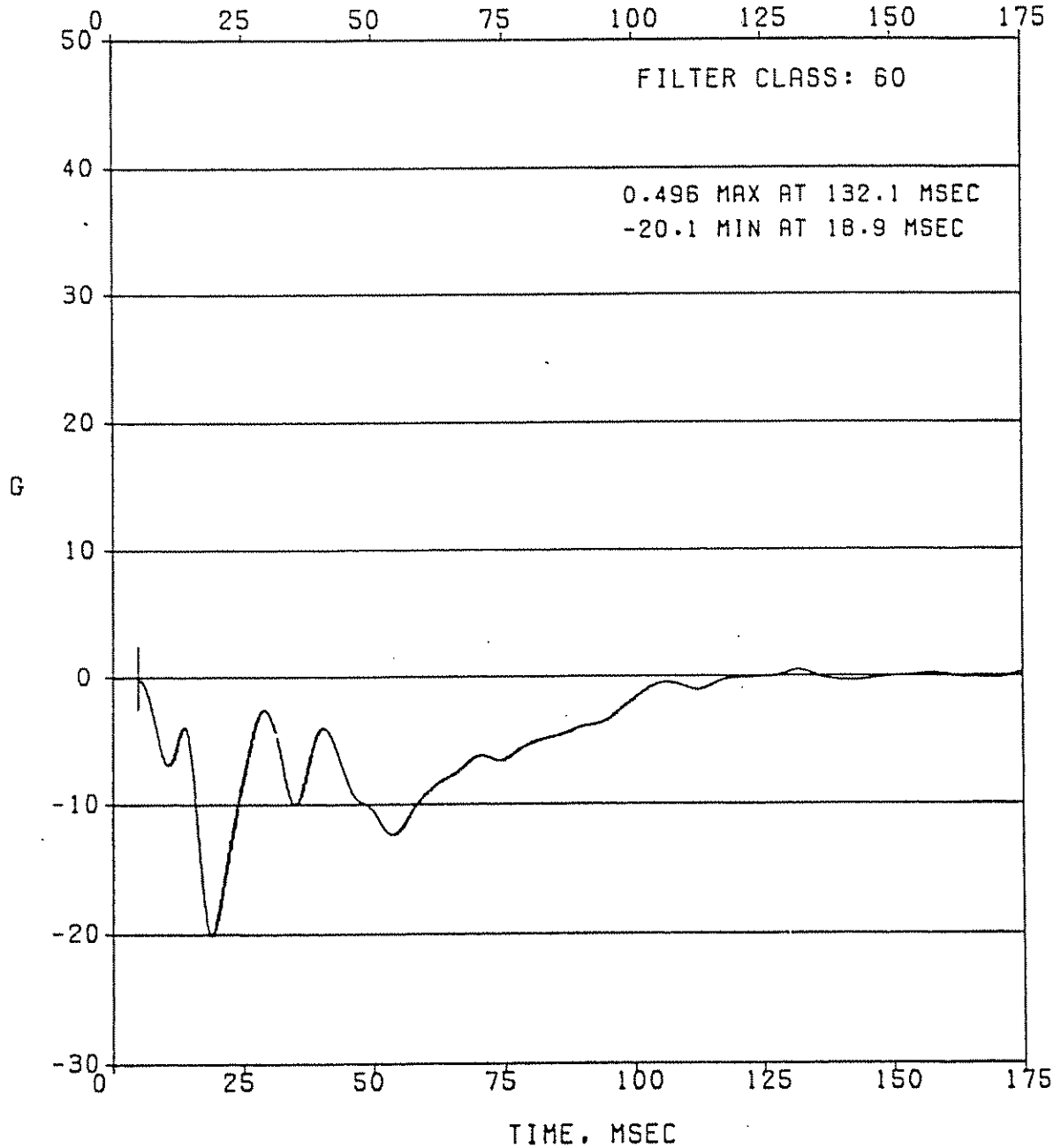
DC 03430

VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJB554
1996 MVSS VALIDATION - 301.
AVERAGE OF

PAGE 004
OF 027

CHANNEL 001 LEFT FRONT SILL X 510069
CHANNEL 003 RIGHT FRONT SILL X 14489

FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/12/95BH
APR 19, 1995 ERRATA 1

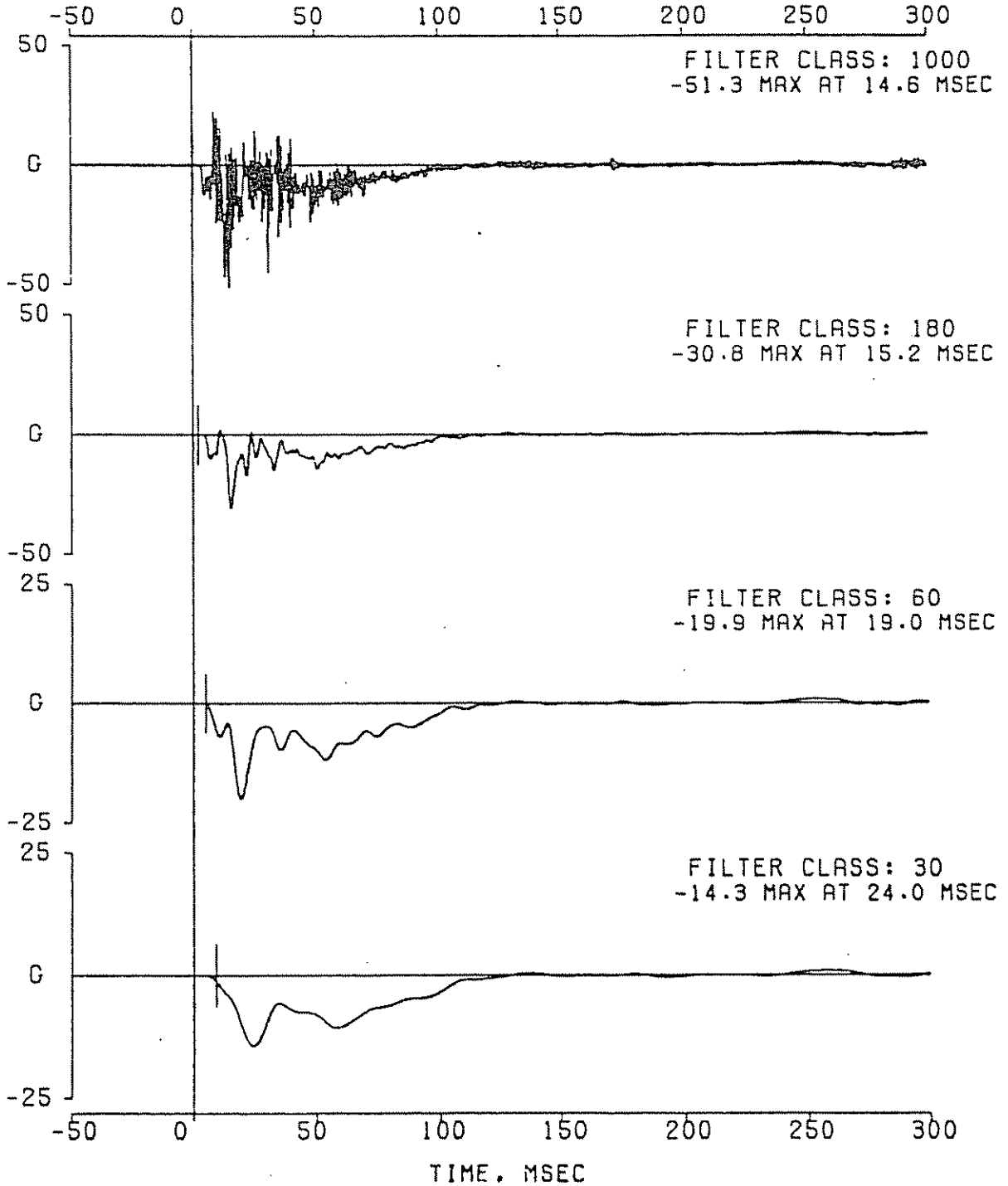


DC 03431

VC05441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.
CHANNEL 001 LEFT FRONT SILL X 510069
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 19, 1995

PAGE 005
OF 027

DATA SET 04/12/95BH
ERRATA 1



DC 03432

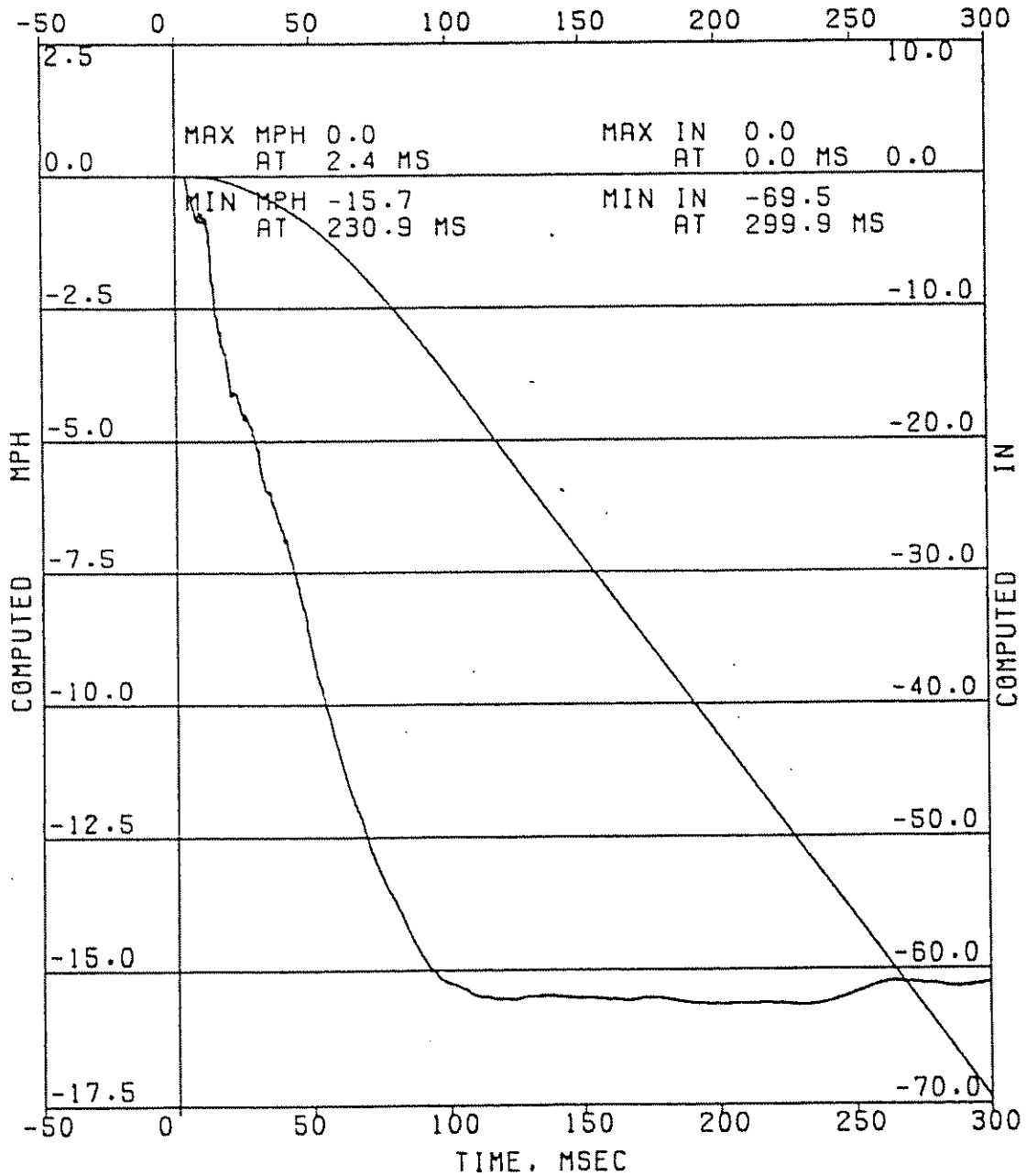
VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.
CHANNEL 001 LEFT FRONT SILL X 510069

PAGE 006
OF 027

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

IMPACT ANALYSIS DEPT. 5320
APR 19.1995

DATA SET 04/12/95BH
ERRATA 1



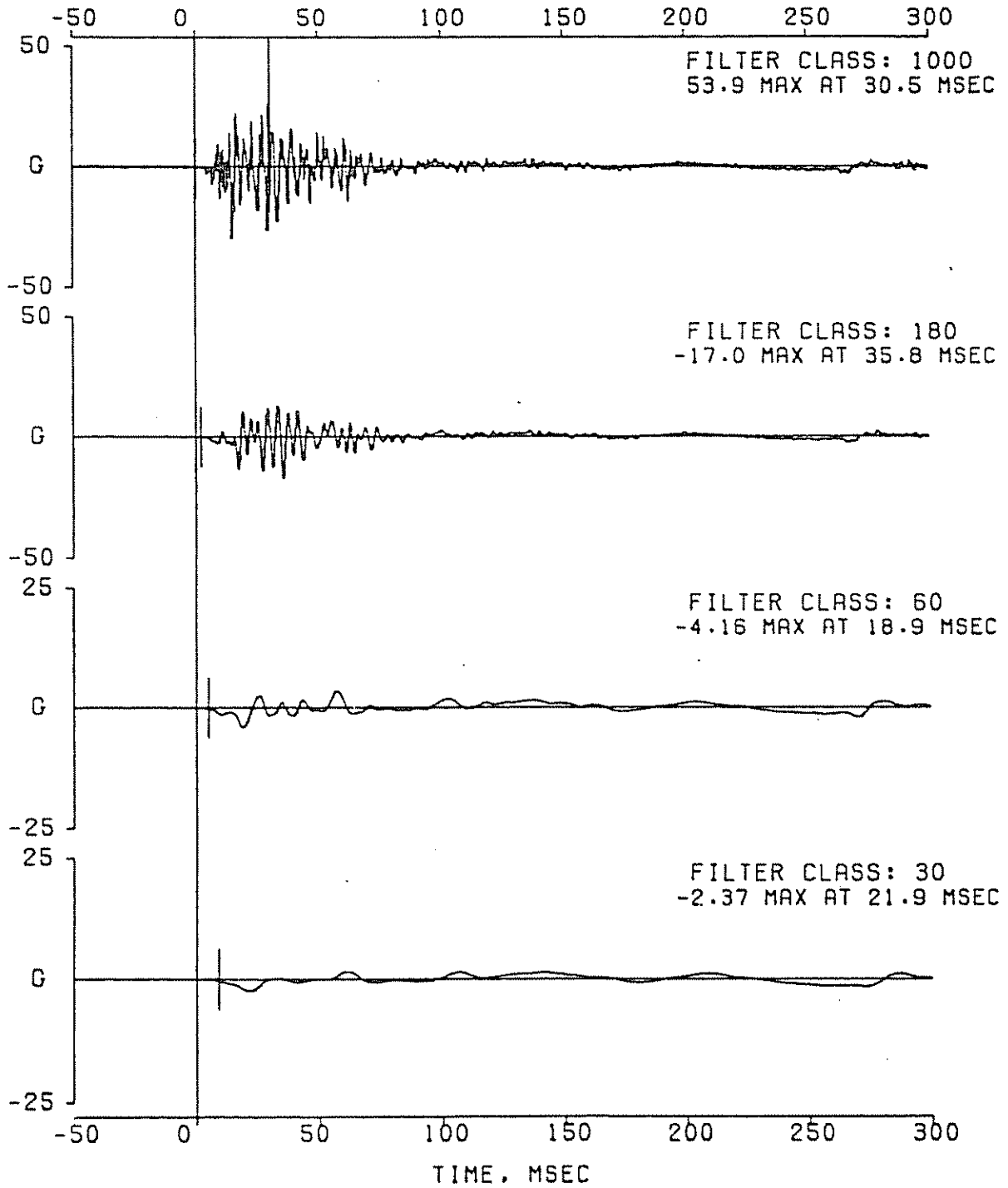
COMPUTED MPH

DC 03433

VC05441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI. ITEM ZJB554
1996 MVSS VALIDATION - 301.
CHANNEL 002 LEFT FRONT SILL Z 80405
FILTER TYPE: 08CAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 19.1995

PAGE 007
OF 027

DATA SET 04/12/95BH
ERRATA 1



DC 03434

VC05441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI, ITEM ZJ8554

PAGE 008

1996 MVSS VALIDATION - 301.

OF 027

CHANNEL 003 RIGHT FRONT SILL X 14489

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

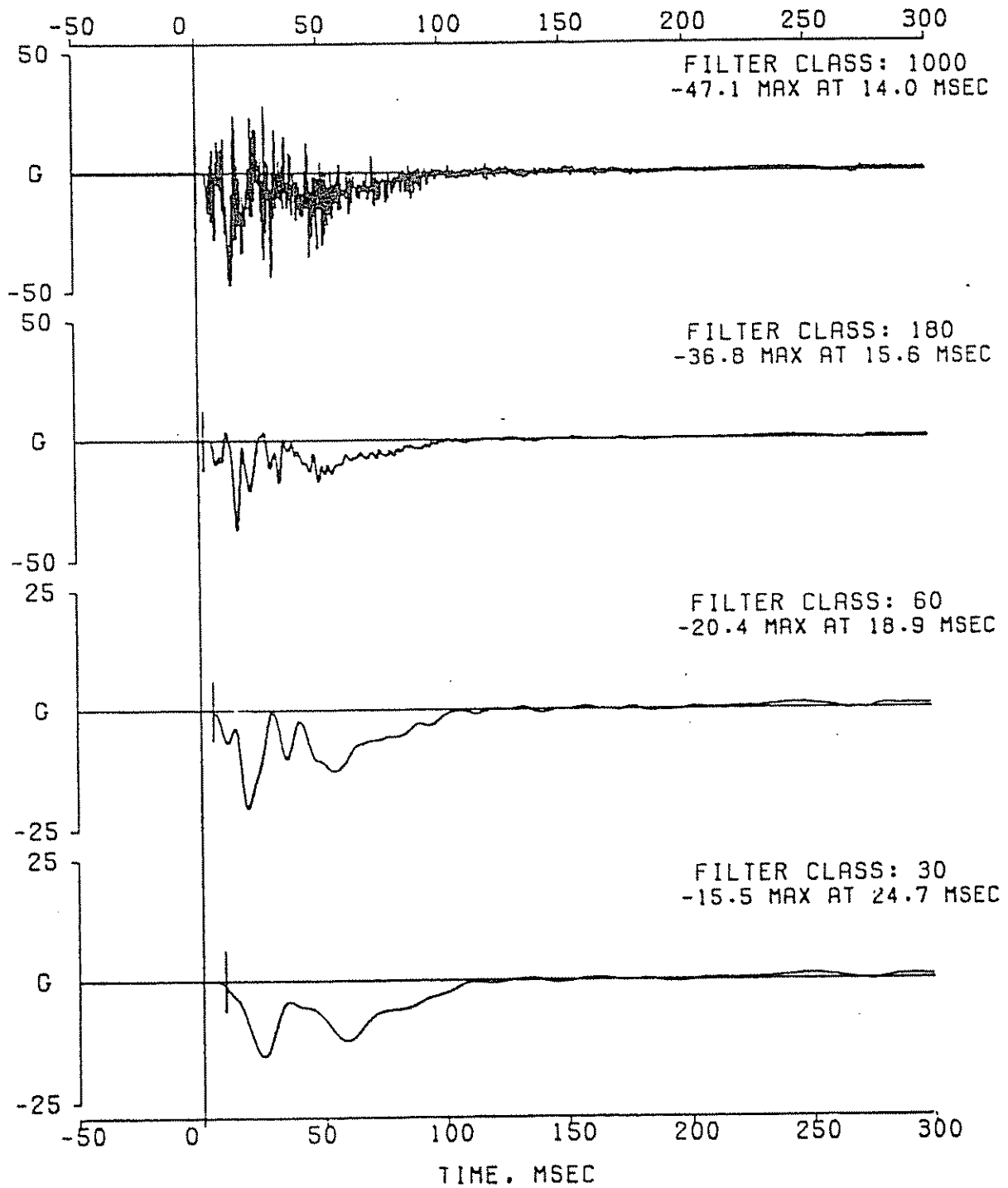
IMPACT ANALYSIS DEPT. 5320

DATA SET 04/12/95BH

APR 19, 1995

ERRATA

1



DC 03435

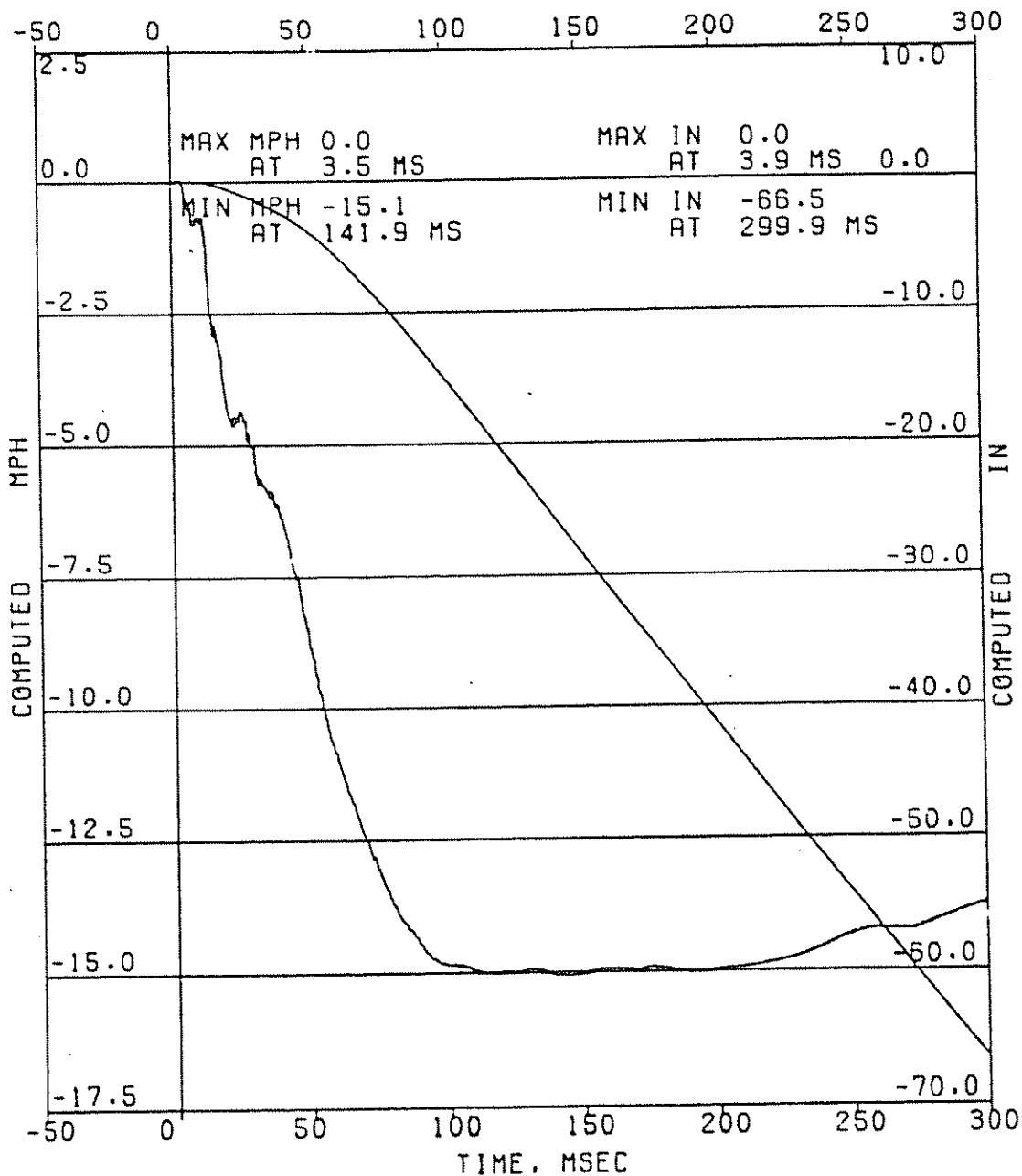
VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.
CHANNEL 003 RIGHT FRONT SILL X 14489

PAGE 009
OF 027

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

IMPACT ANALYSIS DEPT. 5320
APR 19.1995

DATA SET 04/12/95BH
ERRATA 1



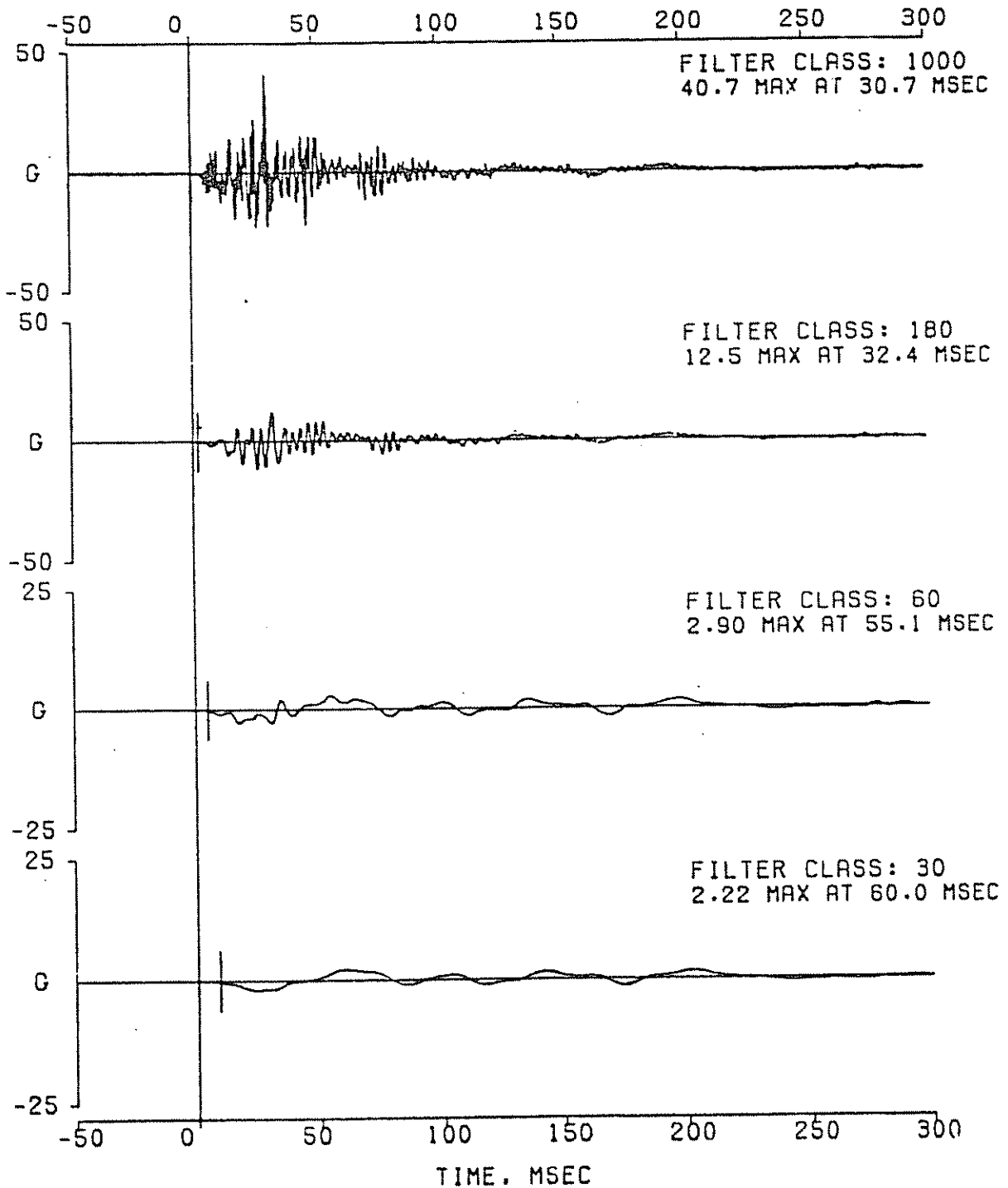
COMPUTED MPH

DC 03436

VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.
CHANNEL 004 RIGHT FRONT SILL Z 14505
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 19, 1995

PAGE 010
OF 027

DATA SET 04/12/95BH
ERRATA 1



DC 03437

VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJB554

PAGE 011

1996 MVSS VALIDATION - 301.

OF 027

CHANNEL 005 LEFT REAR SILL

X 80429

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

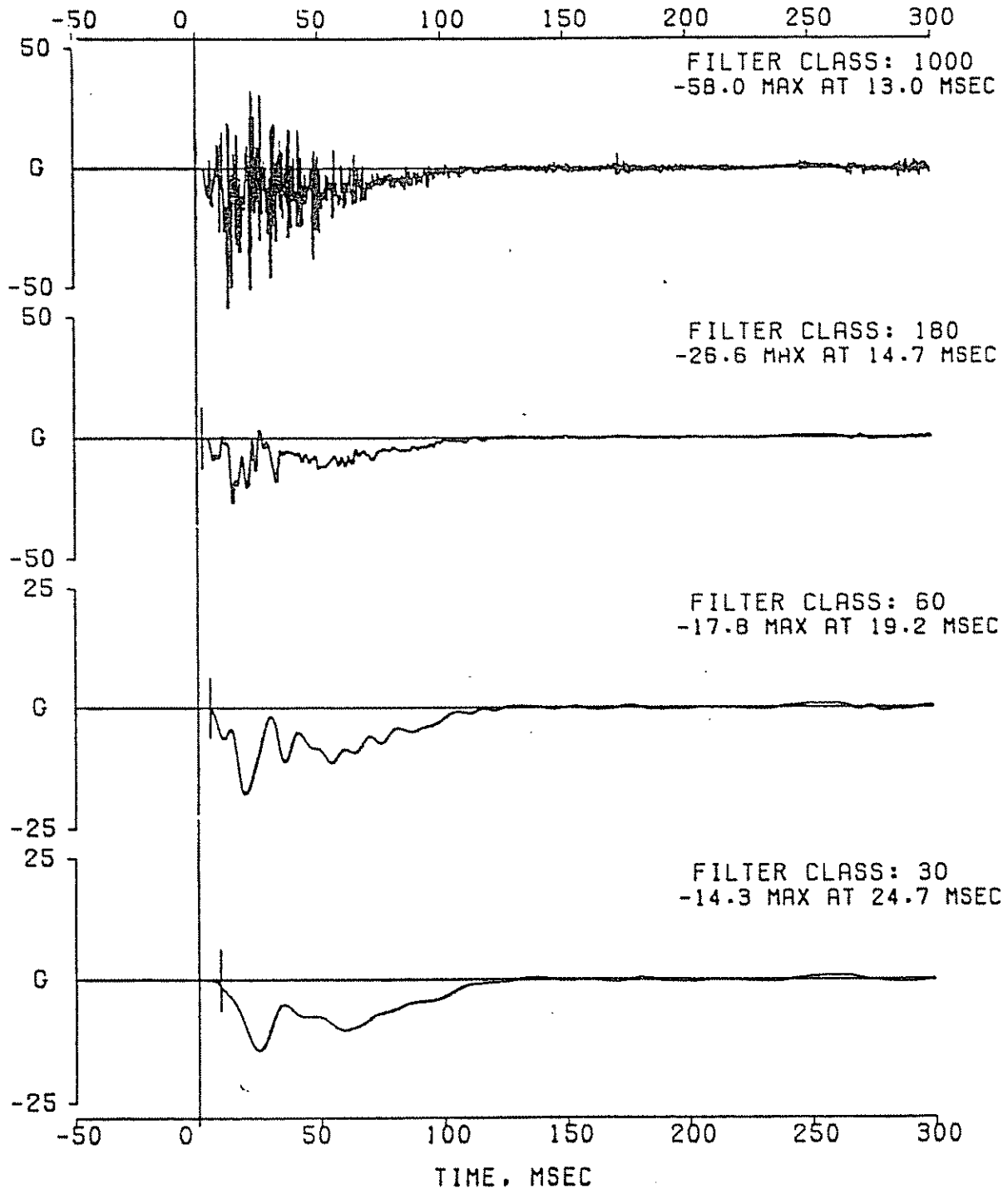
IMPACT ANALYSIS DEPT. 5320

DATA SET 04/12/95BH

APR 19.1995

ERRATA

1

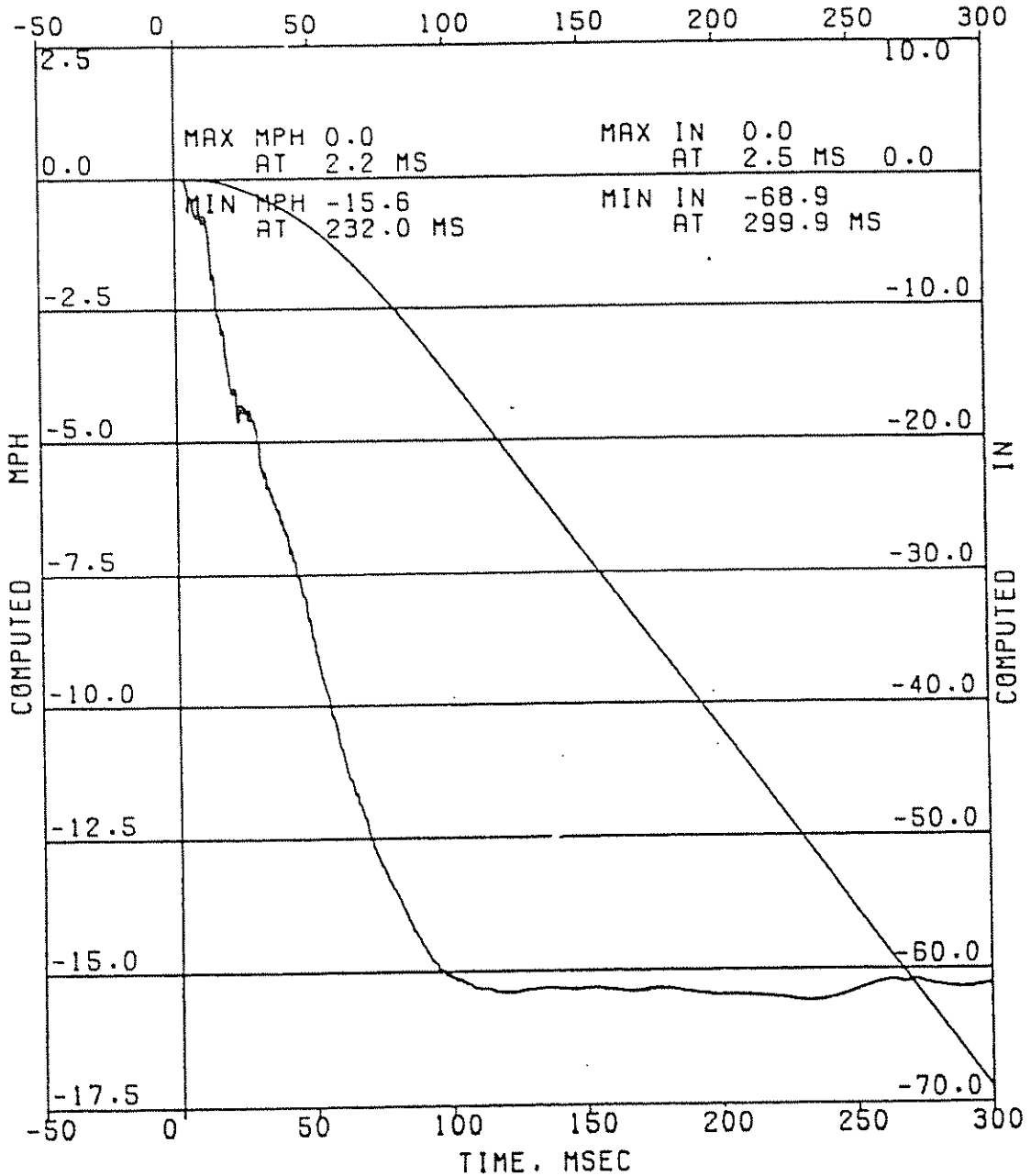


DC 03438

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

IMPACT ANALYSIS DEPT. 5320
APR 19, 1995

DATA SET 04/12/95BH
ERRATA 1



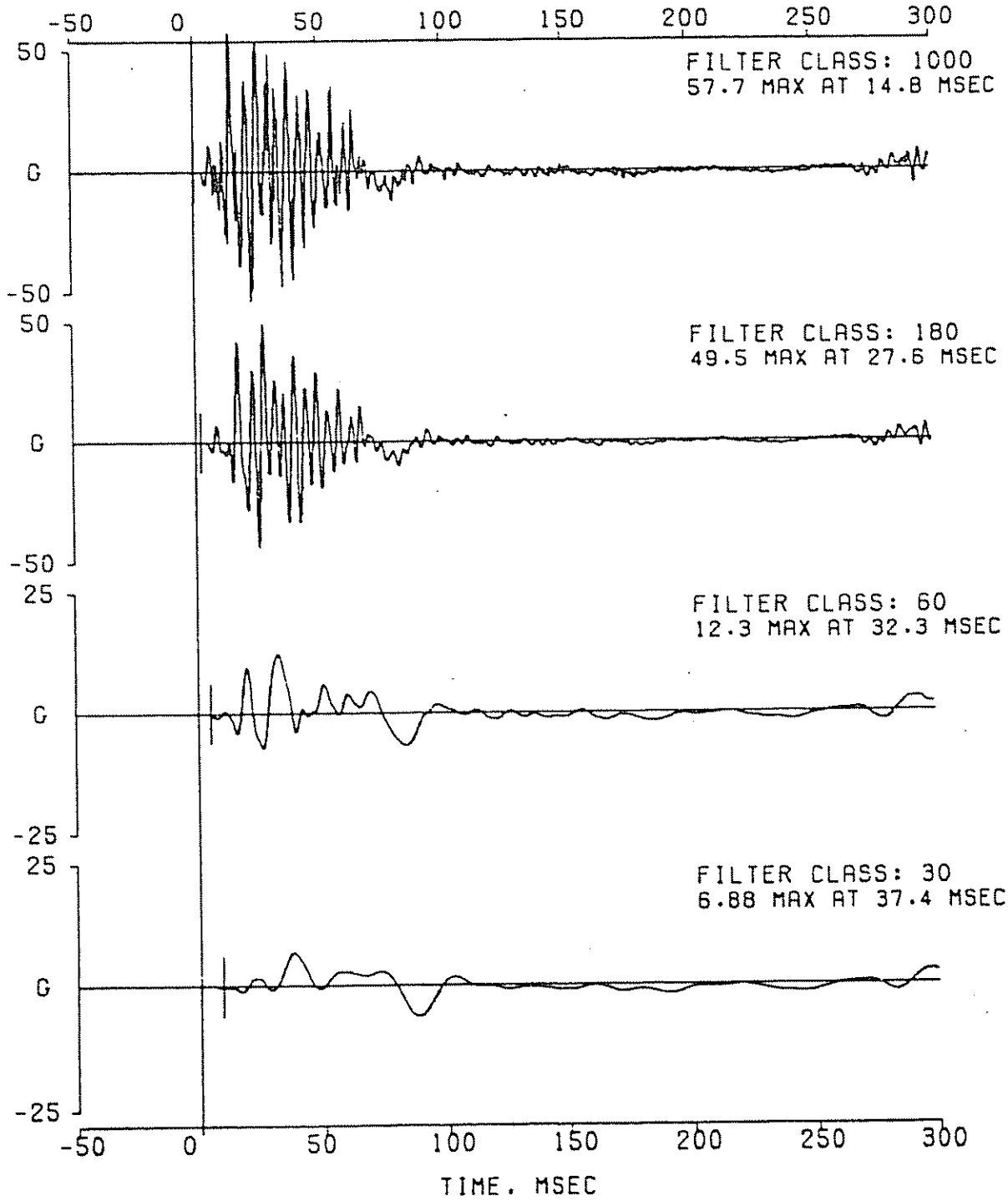
COMPUTED MPH

DC 03439

VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM. ZJ8554
1996 MVSS VALIDATION - 301.
CHANNEL 006 LEFT REAR SILL Z 311305
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 19, 1995

PAGE 013
OF 027

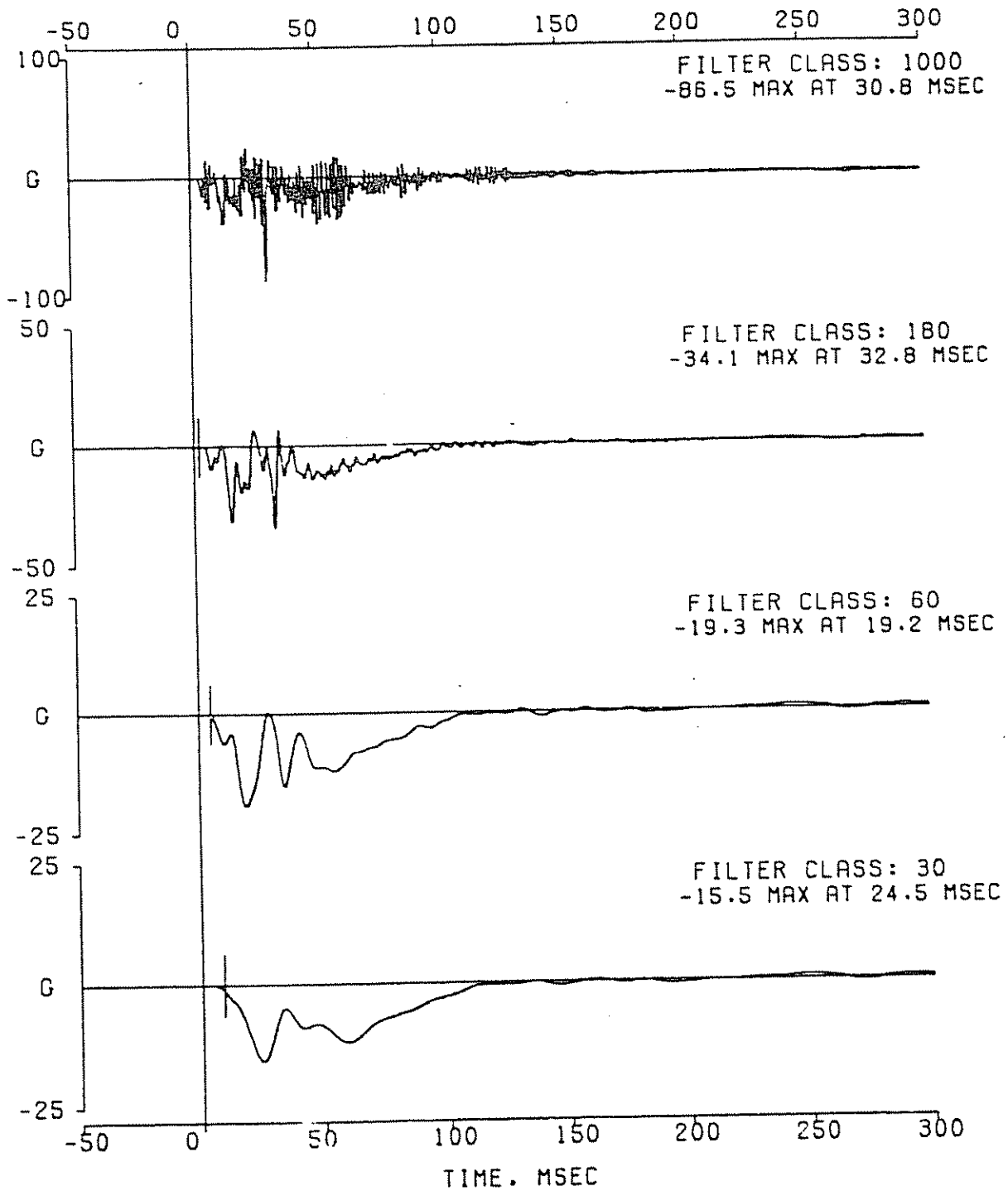
DATA SET 04/12/95BH
ERRATA 1



VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301:
CHANNEL 007 RIGHT REAR SILL X 311314
FILTER TYPE: QBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 19.1995

PAGE 014
BF 027

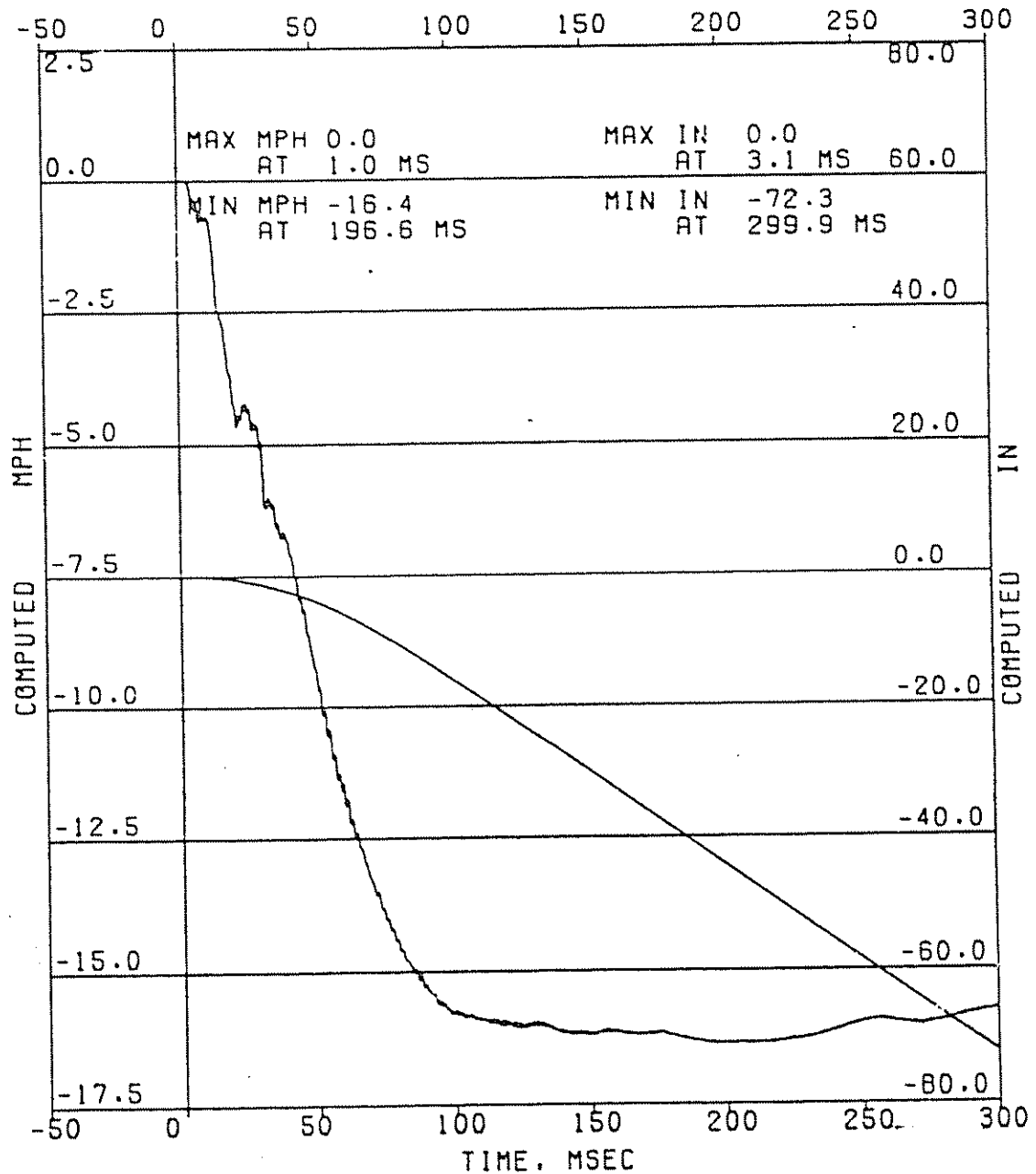
DATA SET 04/12/95BH
ERRATA 1



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

IMPACT ANALYSIS DEPT. 5320
APR 19, 1995

DATA SET 04/12/95BH
ERRATA 1



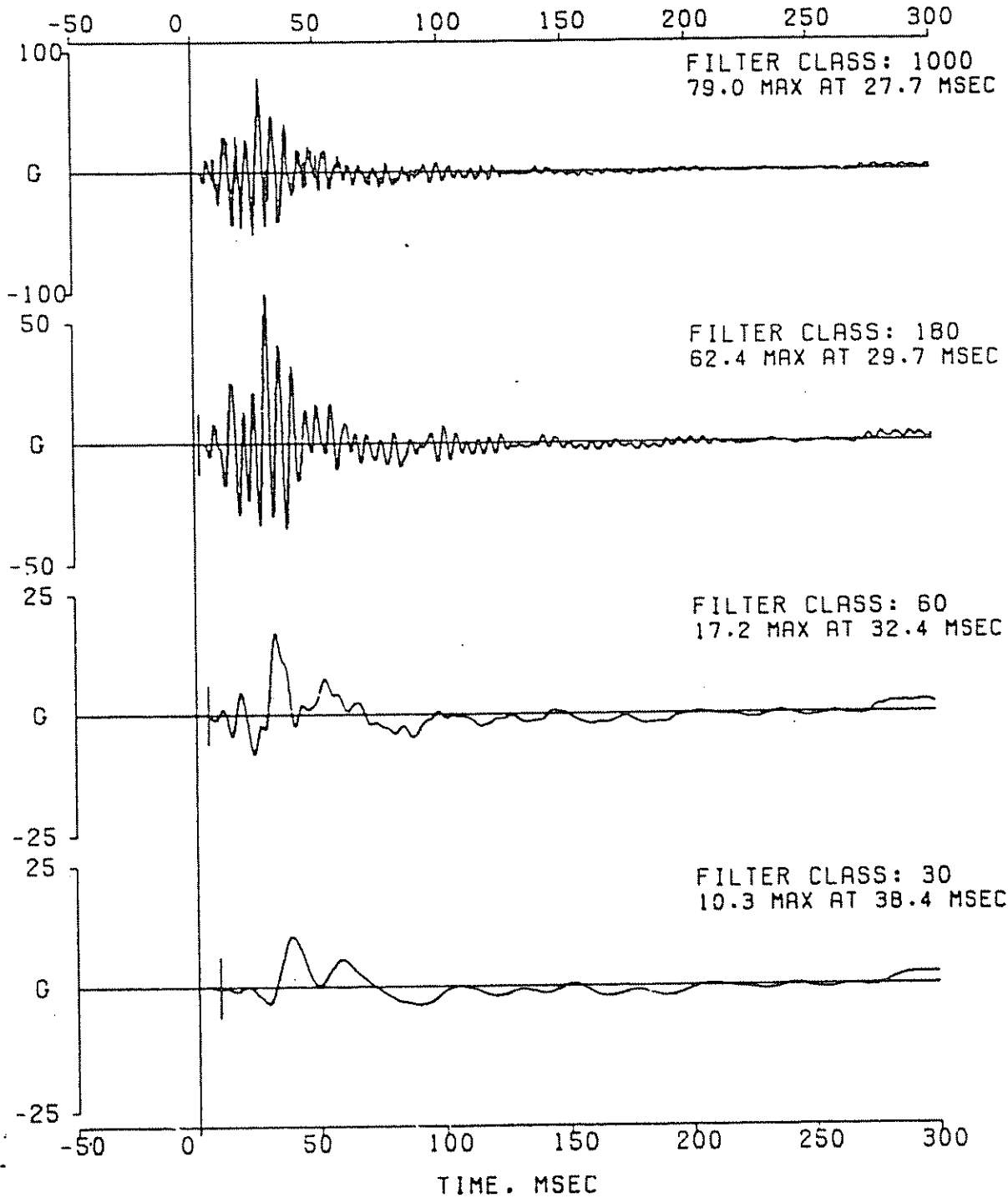
COMPUTED MPH

DC 03442

VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.
CHANNEL 008 RIGHT REAR SILL Z 277204
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 19.1995

PAGE 016
OF 027

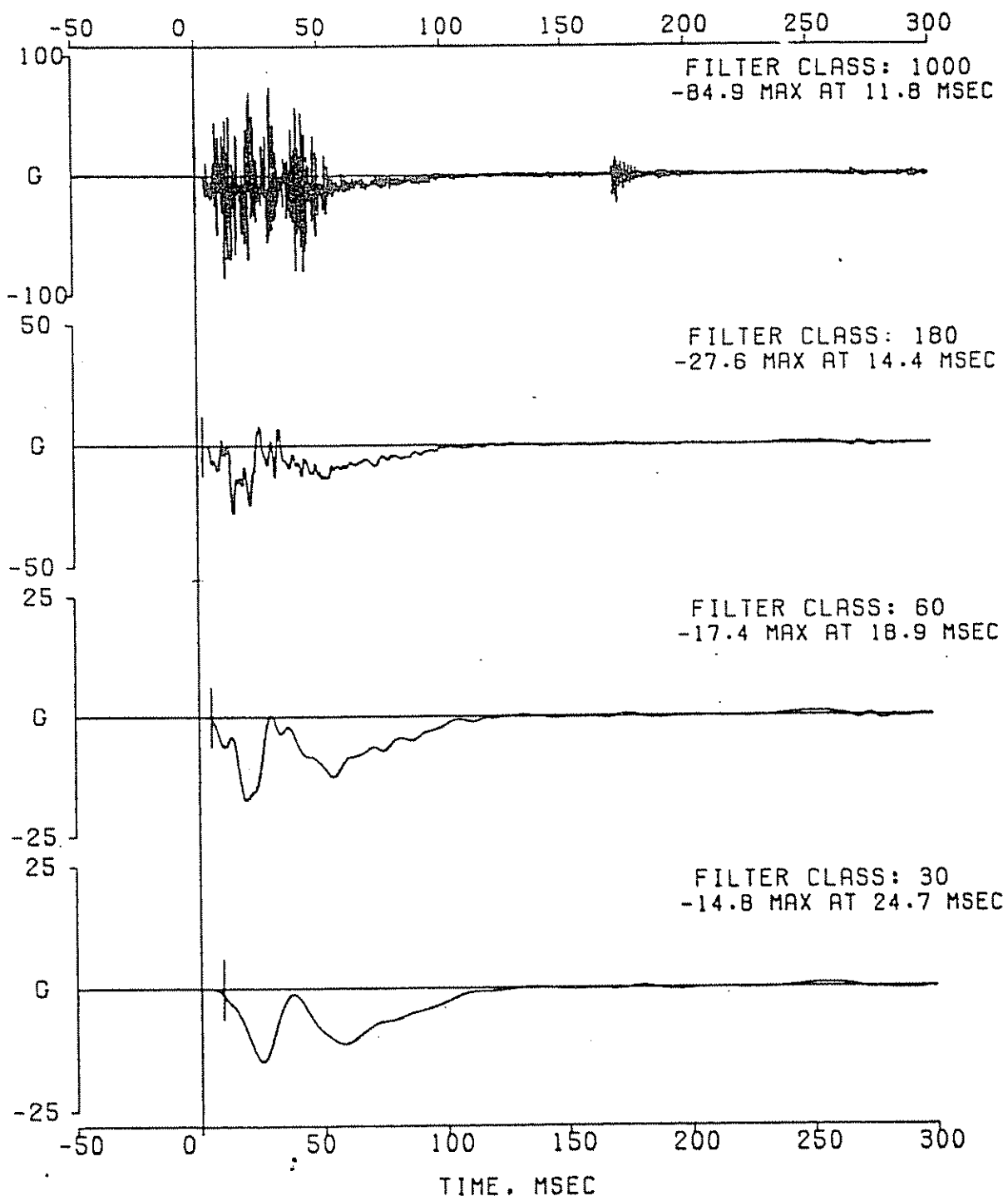
DATA SET 04/12/95BH
ERRATA 1



VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.
CHANNEL 009 LT RAIL TRAIL ARM PIV X 510100
FILTER TYPE: QBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
APR 19.1995

PAGE 017
OF 027

DATA SET 04/12/95BH
ERRATA 1



VC05441 30 MPH REAR BARRIER, ZJJ74, 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.

PAGE 019
OF 027

CHANNEL 010 RT RAIL TRAIL ARM PIV X 213614

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

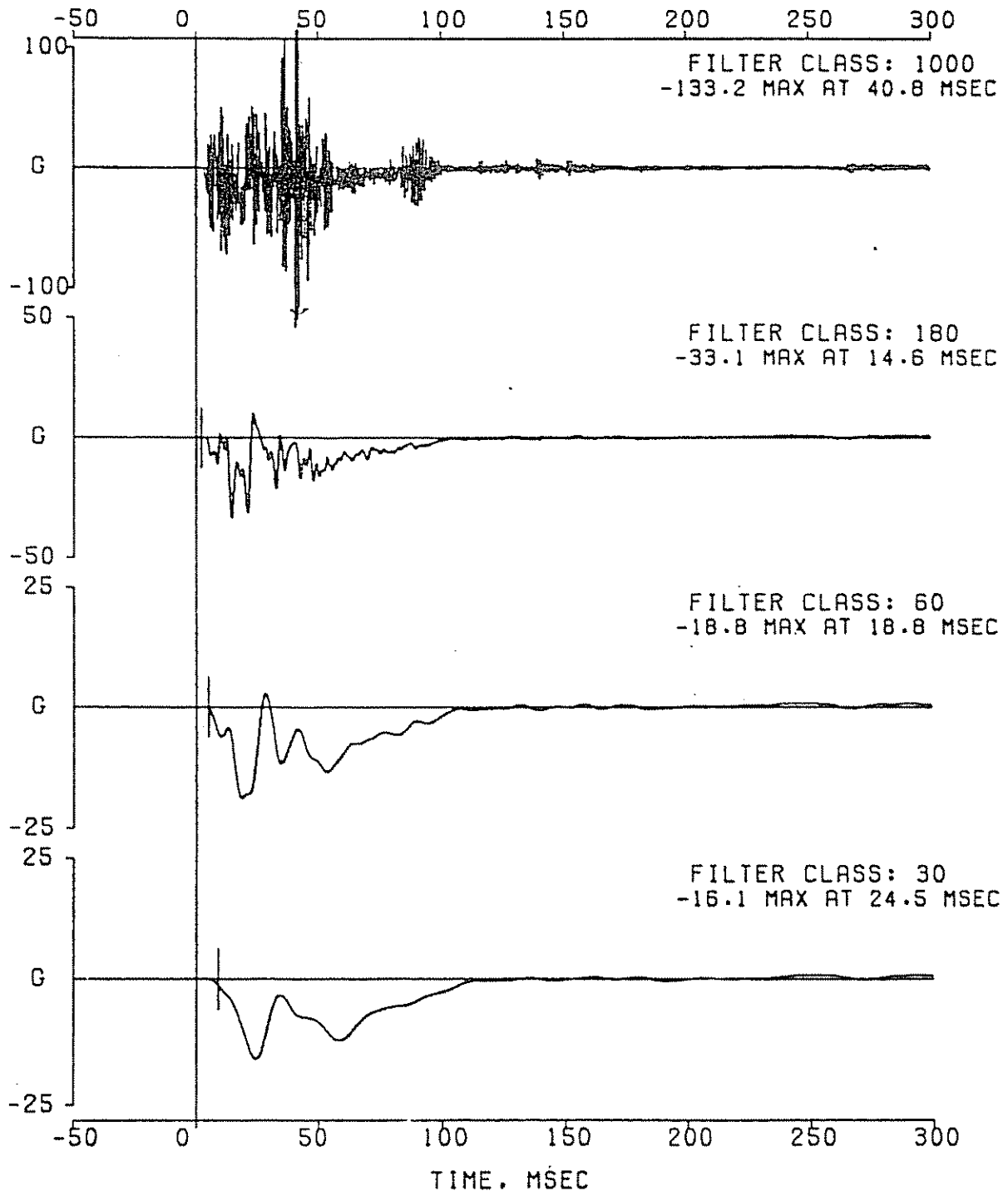
IMPACT ANALYSIS DEPT. 5320

DATA SET 04/12/95BH

APR 19, 1995

ERRATA

1

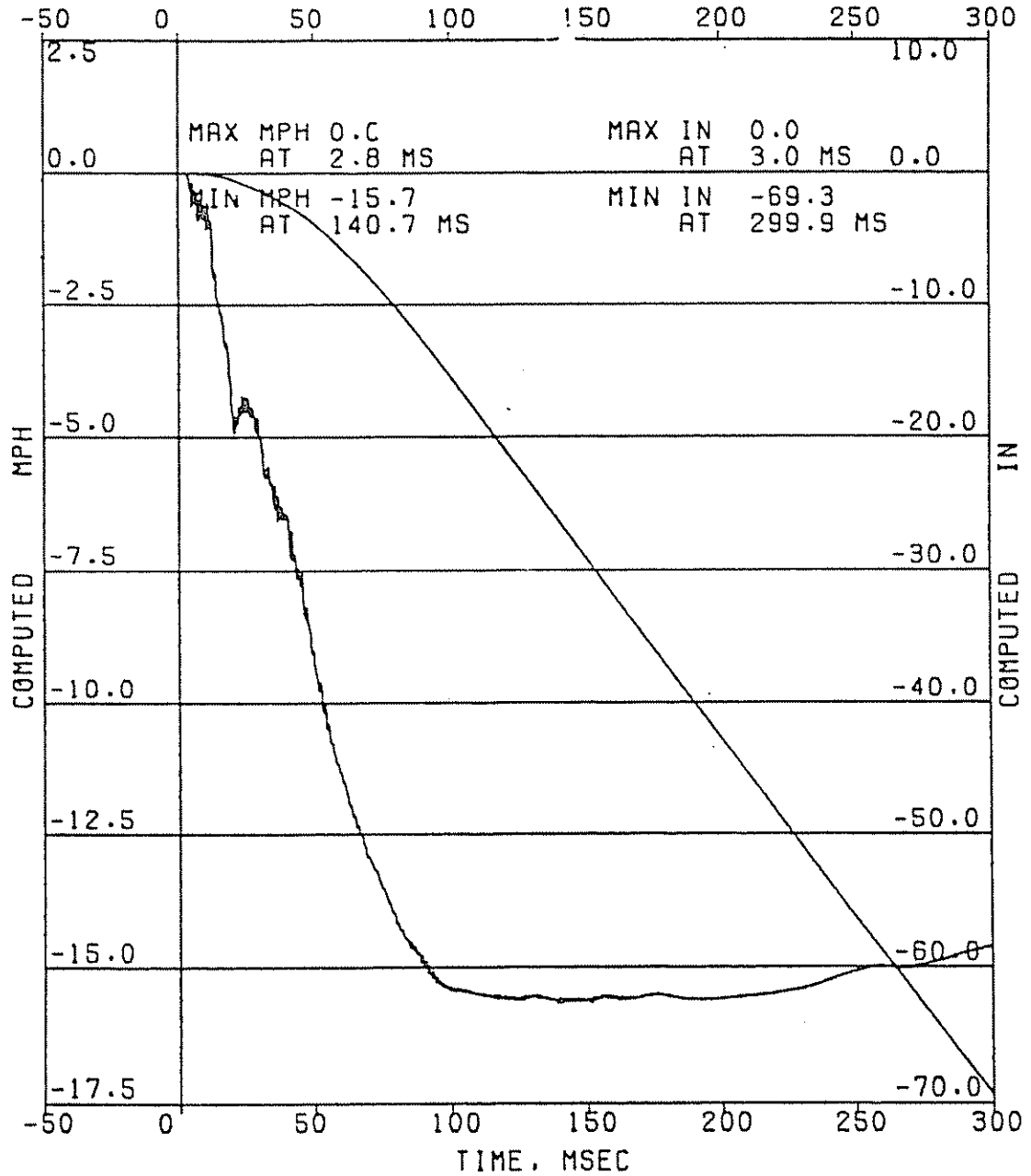


DC 03446

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

IMPACT ANALYSIS DEPT. 5320
APR 19, 1995

DATA SET 04/12/95BH
ERRATA 1



VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.

PAGE 021
OF 027

CHANNEL 011 RT REAR RAIL MID TANK X 73959

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

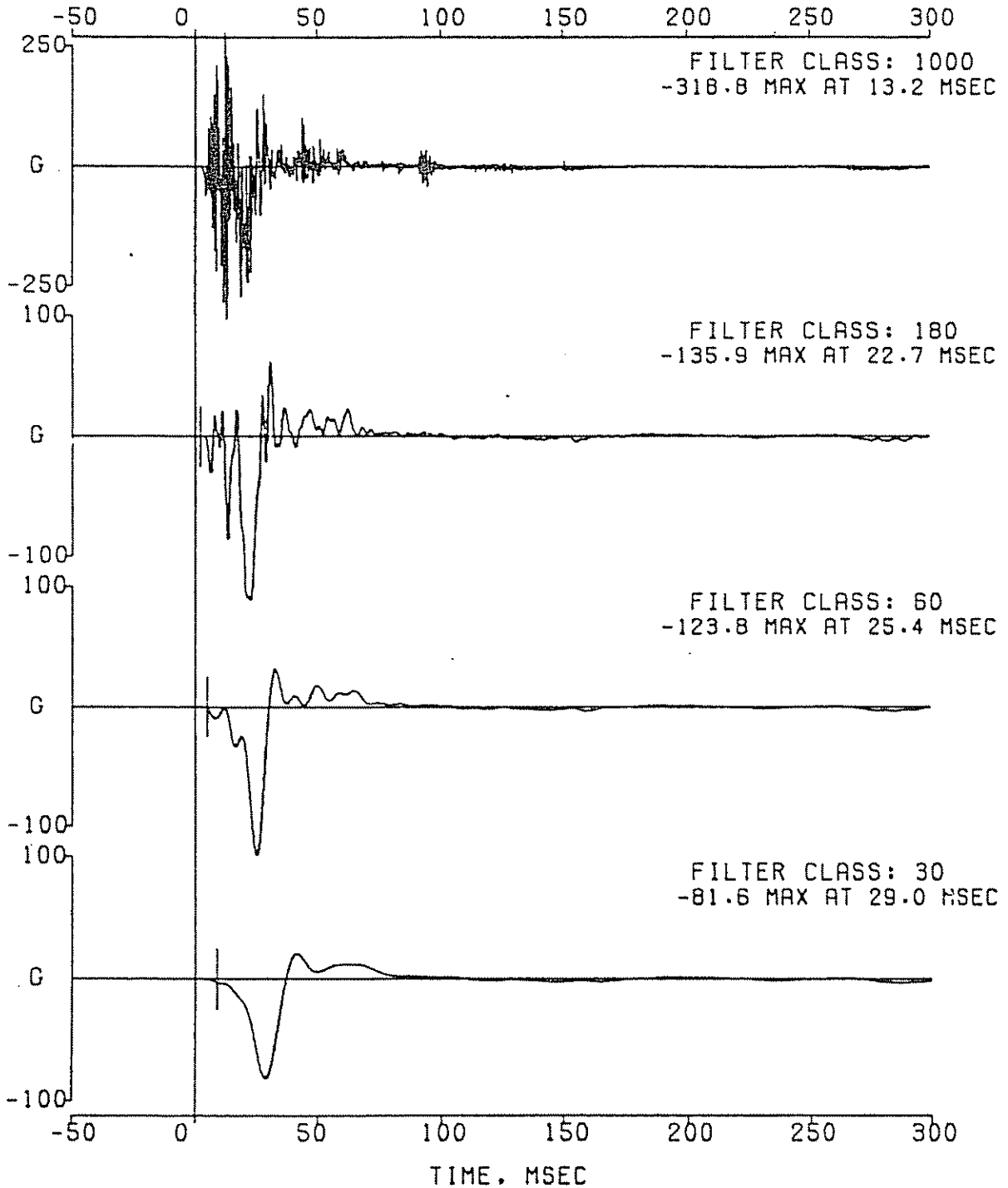
IMPACT ANALYSIS DEPT. 5320

DATA SET 04/12/95BH

APR 19, 1995

ERRATA

1



DC 03448

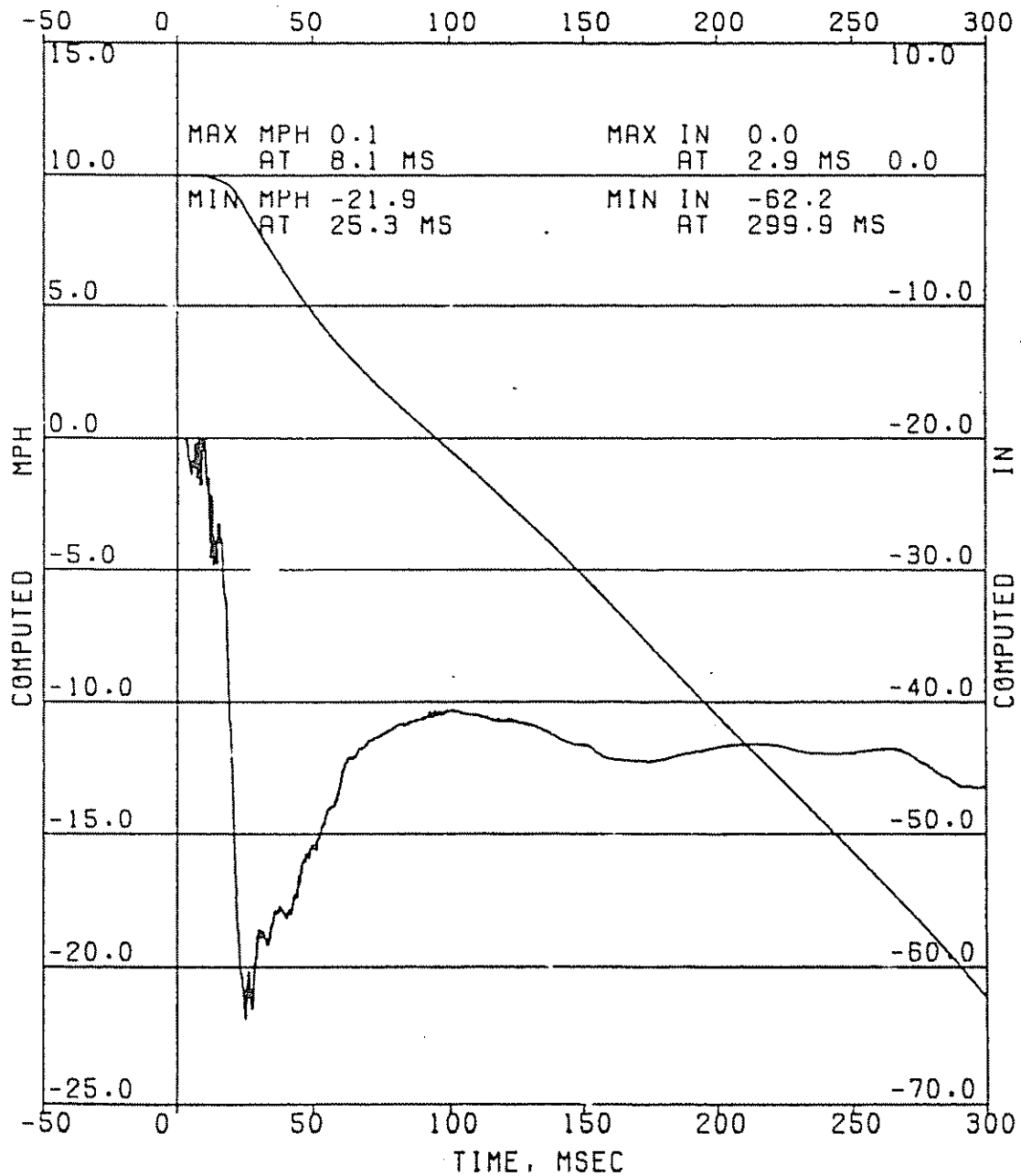
VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJ8554
1996 MVSS VALIDATION - 301.
CHANNEL 011 RT REAR RAIL MID TANK X 73959

PAGE 022
OF 027

FILTER TYPE: OBDAS-1111 RESPONSE CORRECTION. CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
APR 19, 1995

DATA SET 04/12/95BH
ERRATA 1



COMPUTED MPH

DC 03449

VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MP!. ITEM ZJB554
1996 MVSS VALIDATION - 301.

PAGE 023
OF 027

CHANNEL 012 RT REAR RAIL MID TANK Z 80453

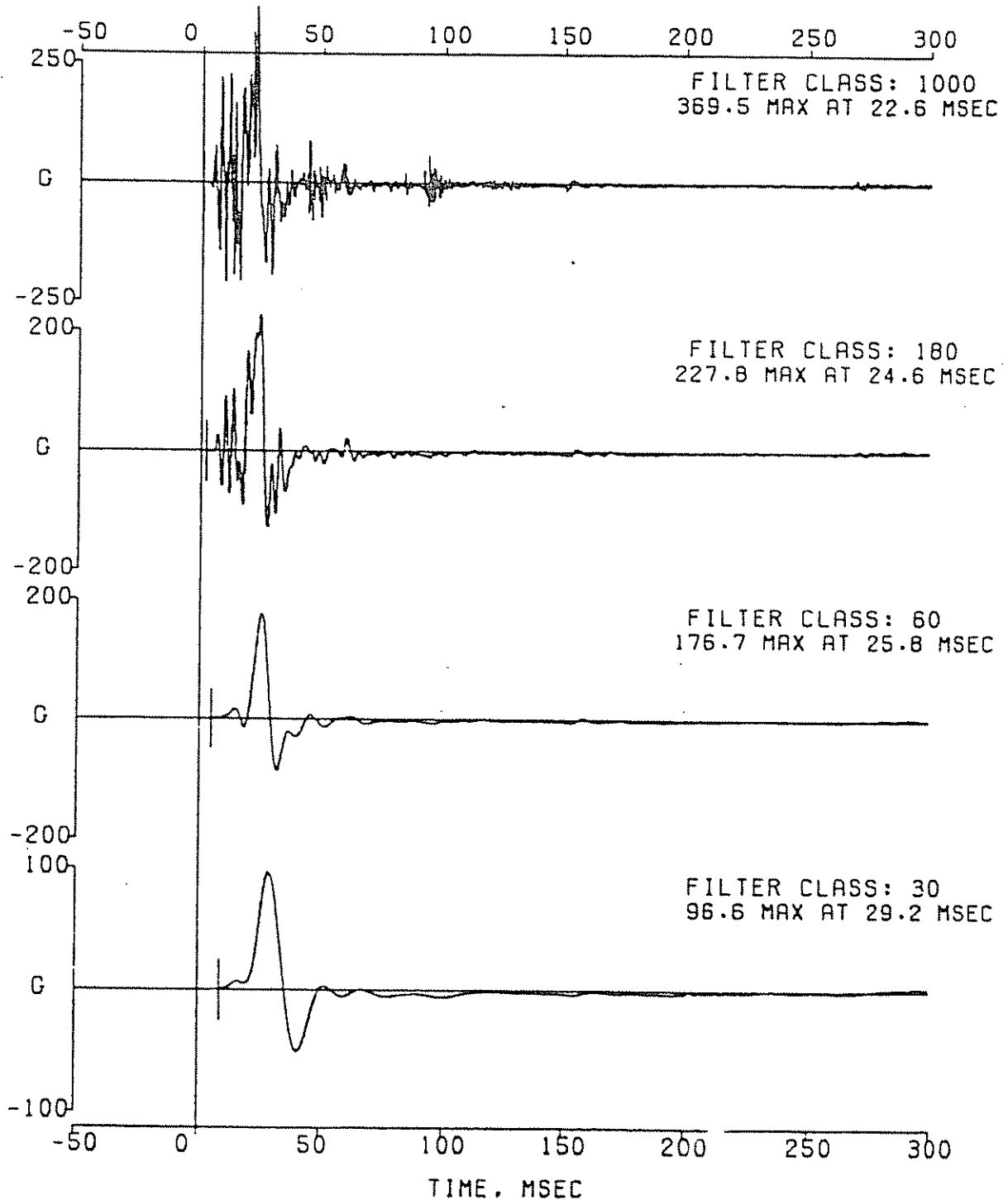
FILTER TYPE: OBDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 04/12/95BH

APR 19, 1995

ERRATA 1



VC05441 30 MPH REAR BARRIER, ZJJ74. 4.0L MPI. ITEM ZJ8554

PAGE 024

1996 MVSS VALIDATION - 301.

OF 027

CHANNEL 013 LT RAIL MBAR MID X 277234

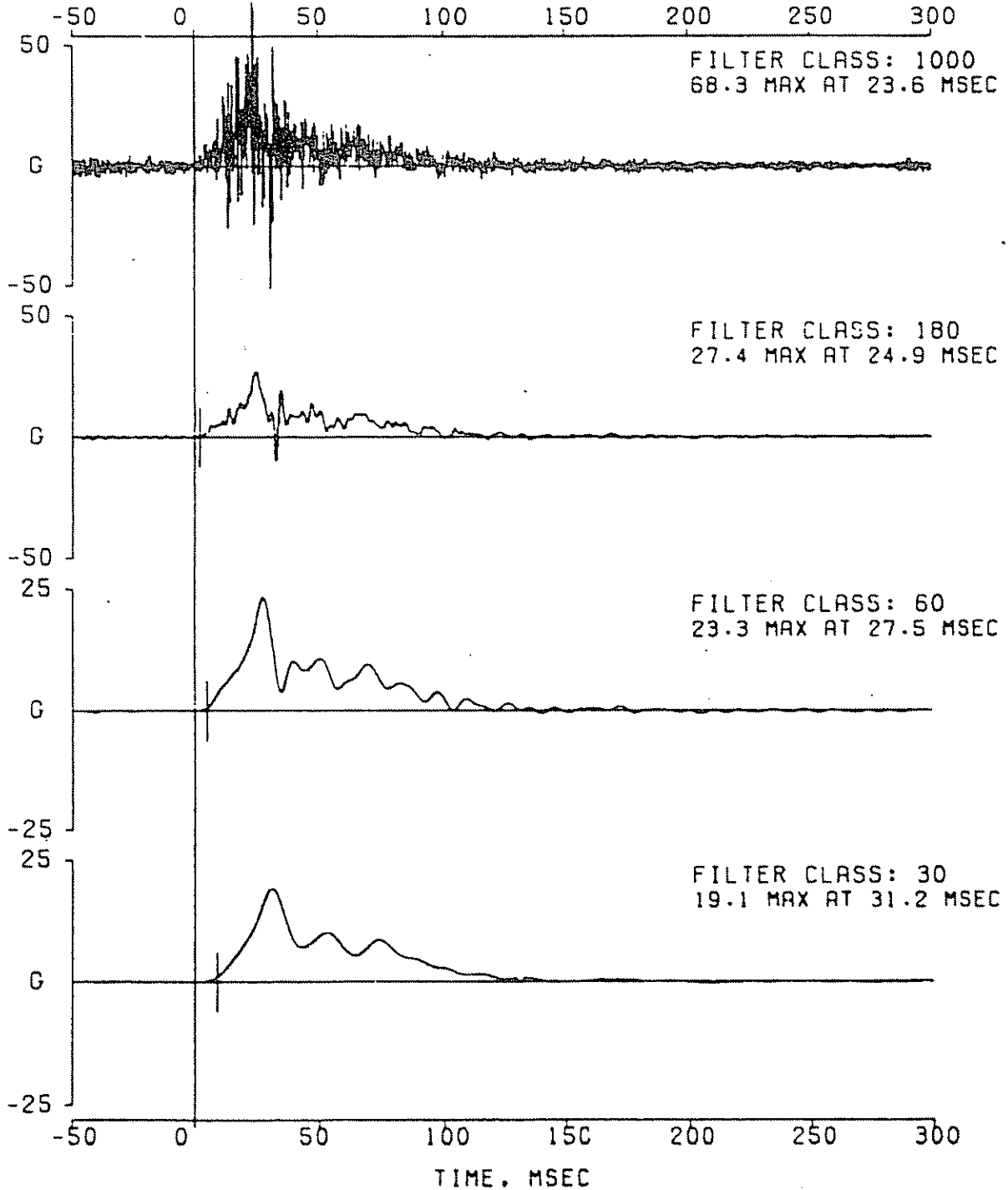
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION. CLASS 1000 FILTER(1650)

IMPACT ANALYSIS DEPT. 5320

DATA SET 04/12/95BH

APR 19,1995

ERRATA 1



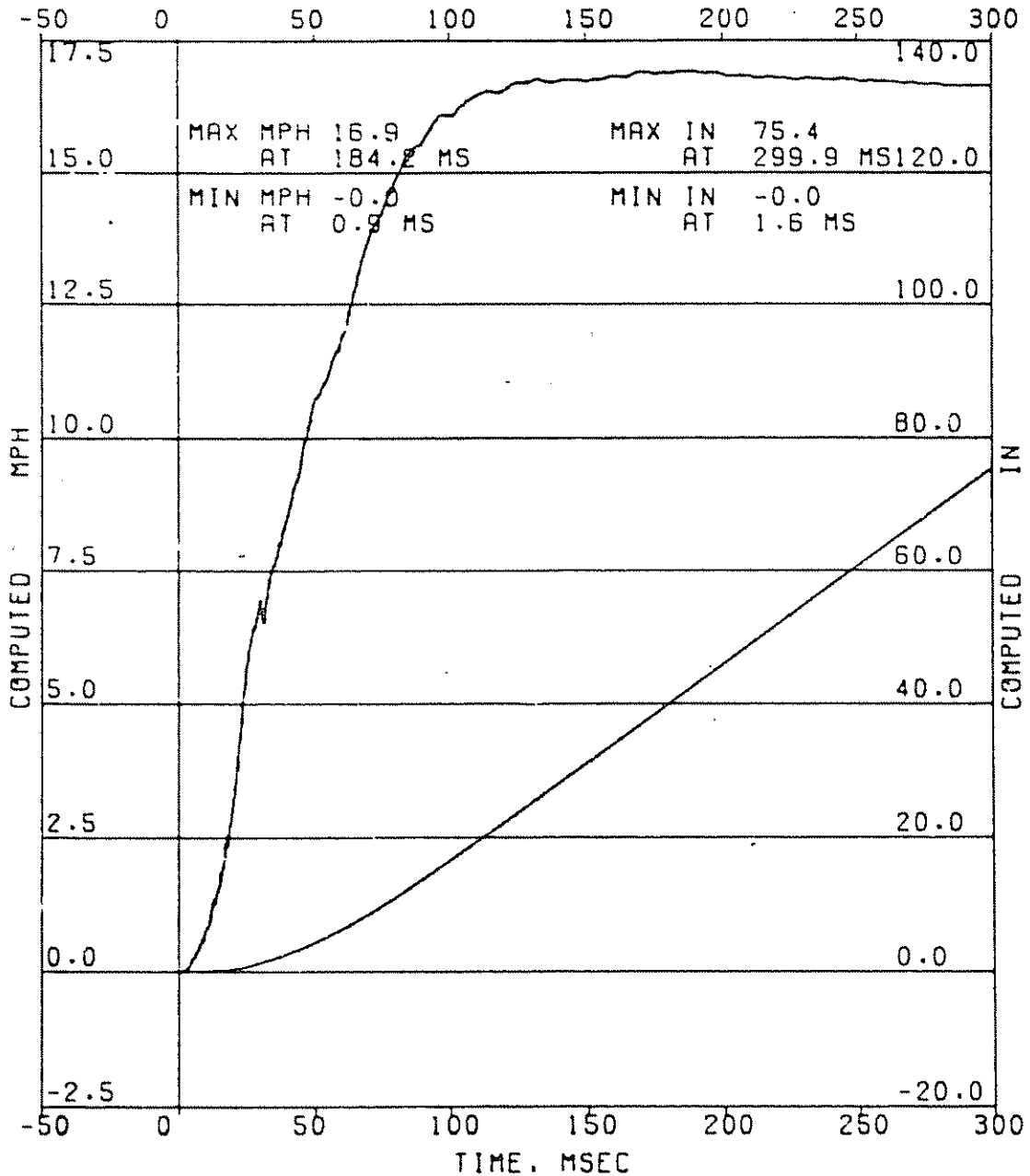
VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MP1. ITEM ZJ8554
1996 MVSS VALIDATION - 301.
CHANNEL 013 LT RAIL MBAR MID X 277234

PAGE 025
OF 027

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

IMPACT ANALYSIS DEPT. 5320
APR 19, 1995

DATA SET 04/12/95BH
ERRATA 1



VC05441 30 MPH REAR BARRIER. ZJJ74. 4.0L MPI. ITEM ZJB554
1996 MVSS VALIDATION - 301.

PAGE 026
OF 027

CHANNEL 014 RT RAIL MBAR MID X 311287

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

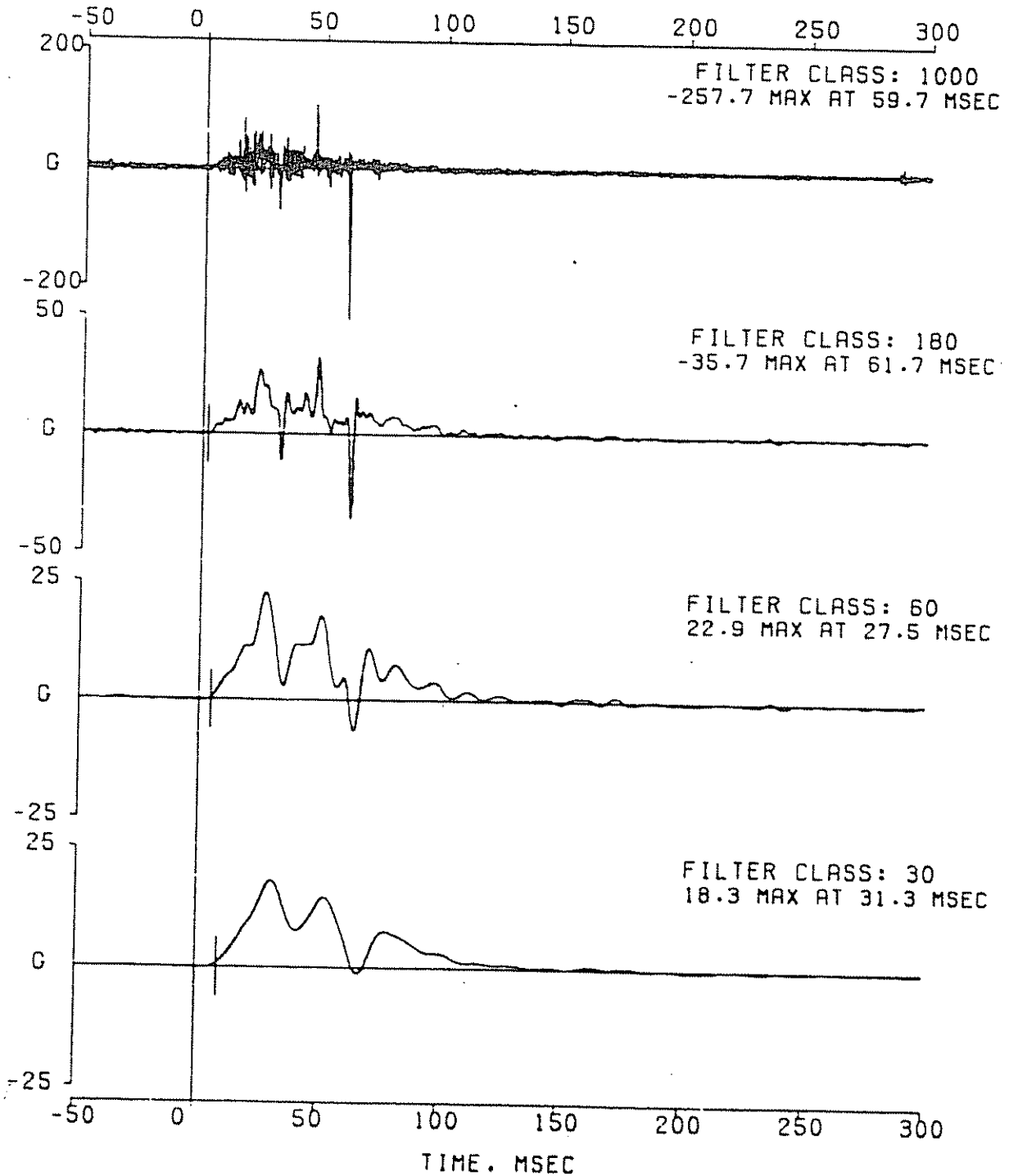
IMPACT ANALYSIS DEPT. 5320

DATA SET 04/12/95BH

APR 19, 1995

ERRATA

1

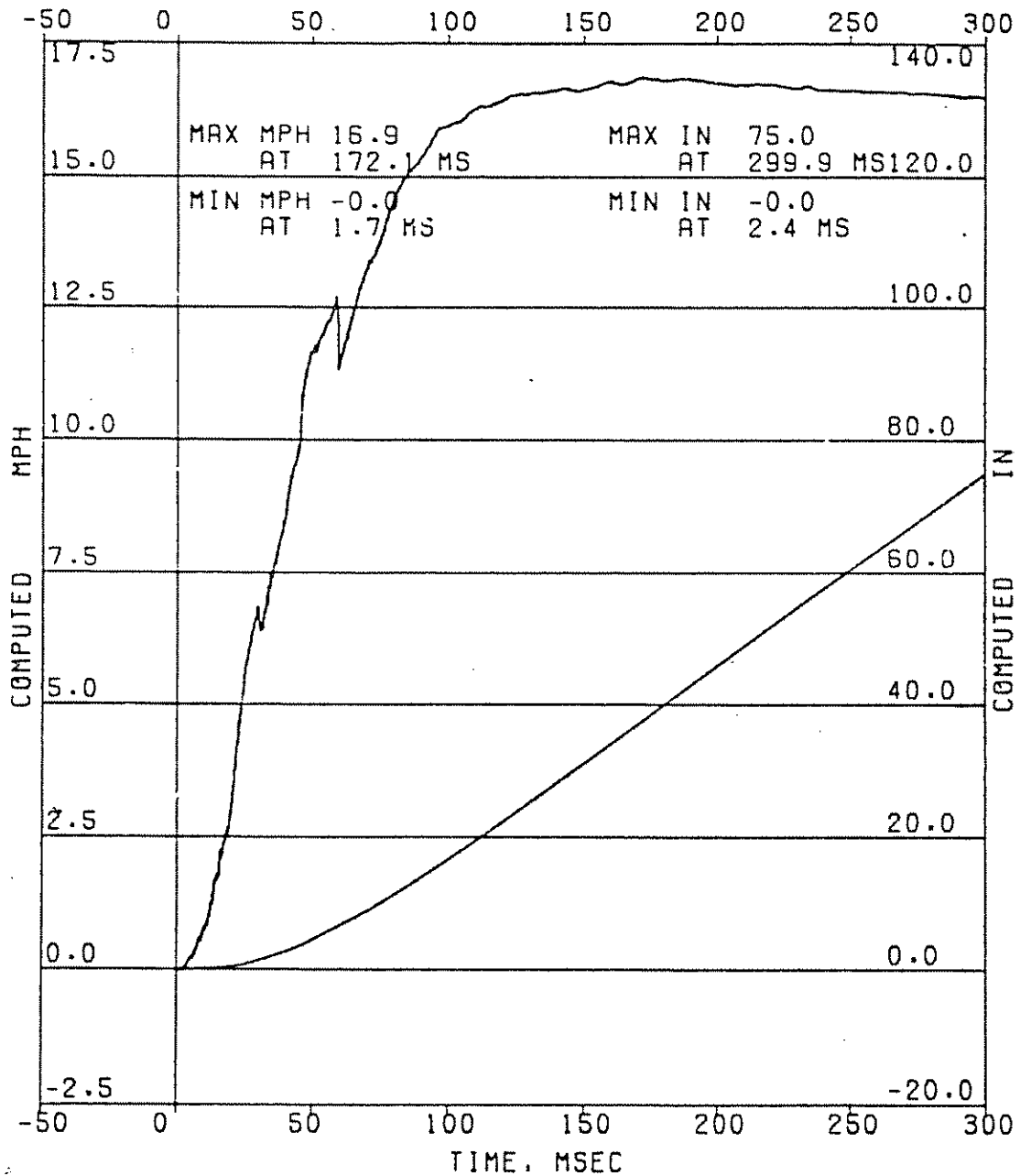


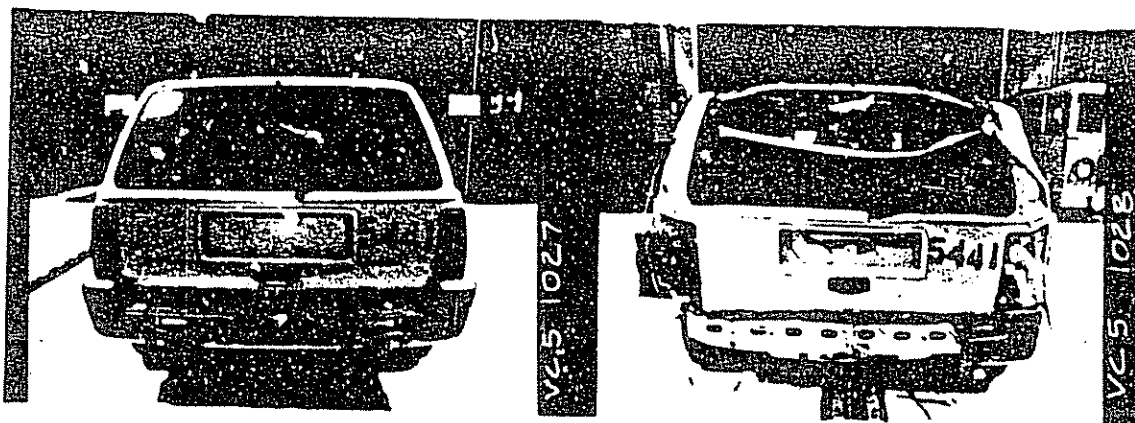
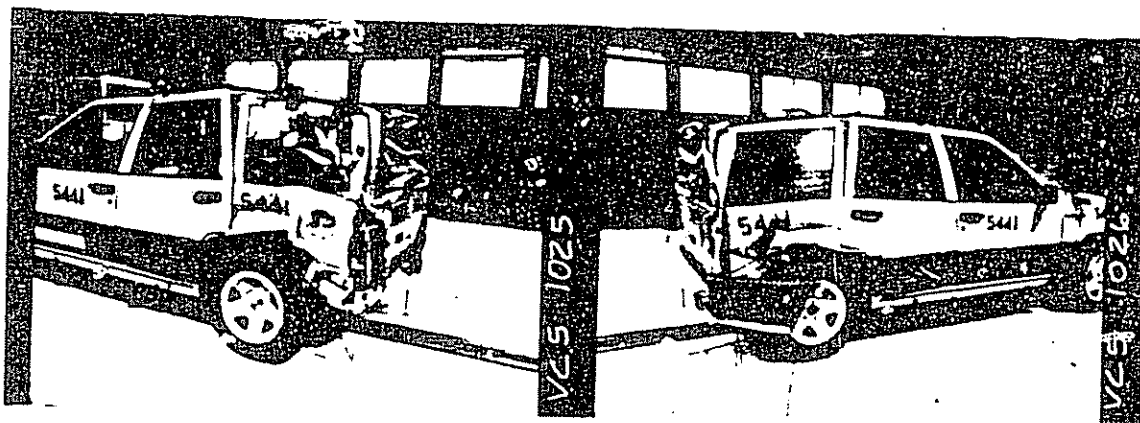
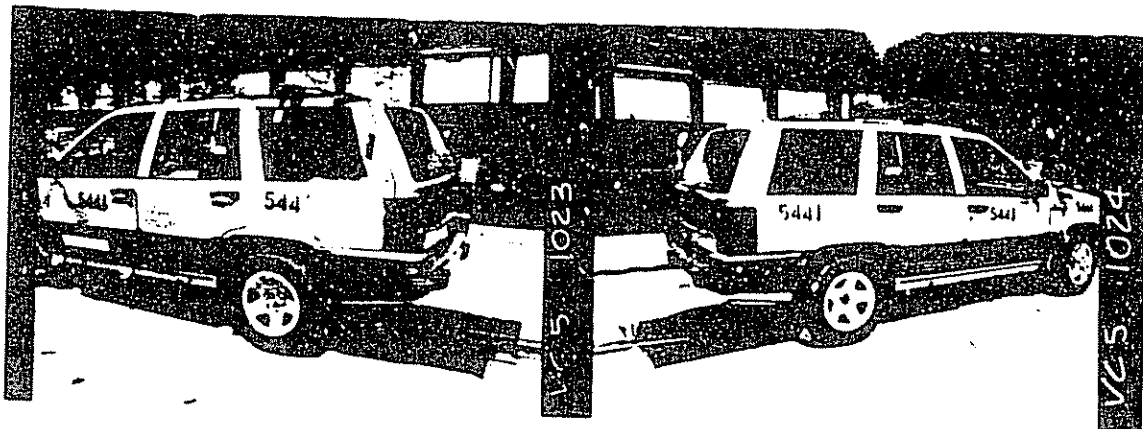
DC 03453

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

IMPACT ANALYSIS DEPT. 5320
APR 19.1995

DATA SET 04/12/95BH
ERRATA 1





DC 03455

