

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

**301 Compliance Crash Test
2005 - 2010 Grand Cherokee
(WK) Compliance**

VC11822

VC11822

SIDE IMPACTOR BARRIER CERTIFICATION

Date: June 7, 2004
To: Chrysler Corp.
1252 Chelsea Proving Grounds
3700 S. M-52 Highway
Chelsea, MI 48118-9600

PURCHASE ORDER INFORMATION

Customer P.O. Number: JZR5185260-A
Work Order Number: 102078
Plascore Part Number: 18723
Quantity: 01 piece

CORE INFORMATION

Core Type: PCGA-5.2-1/4-P-3003
Cell Size: 0.250 inch
Density: 5.2 pcf

Unit Number: 208A0304

This is to certify that the aluminum honeycomb core supplied, under the unit number provided, meets the crush requirements of 232 – 250 psi per DWG# DSL-1285.


Quality Control Representative
James F. Tomczak

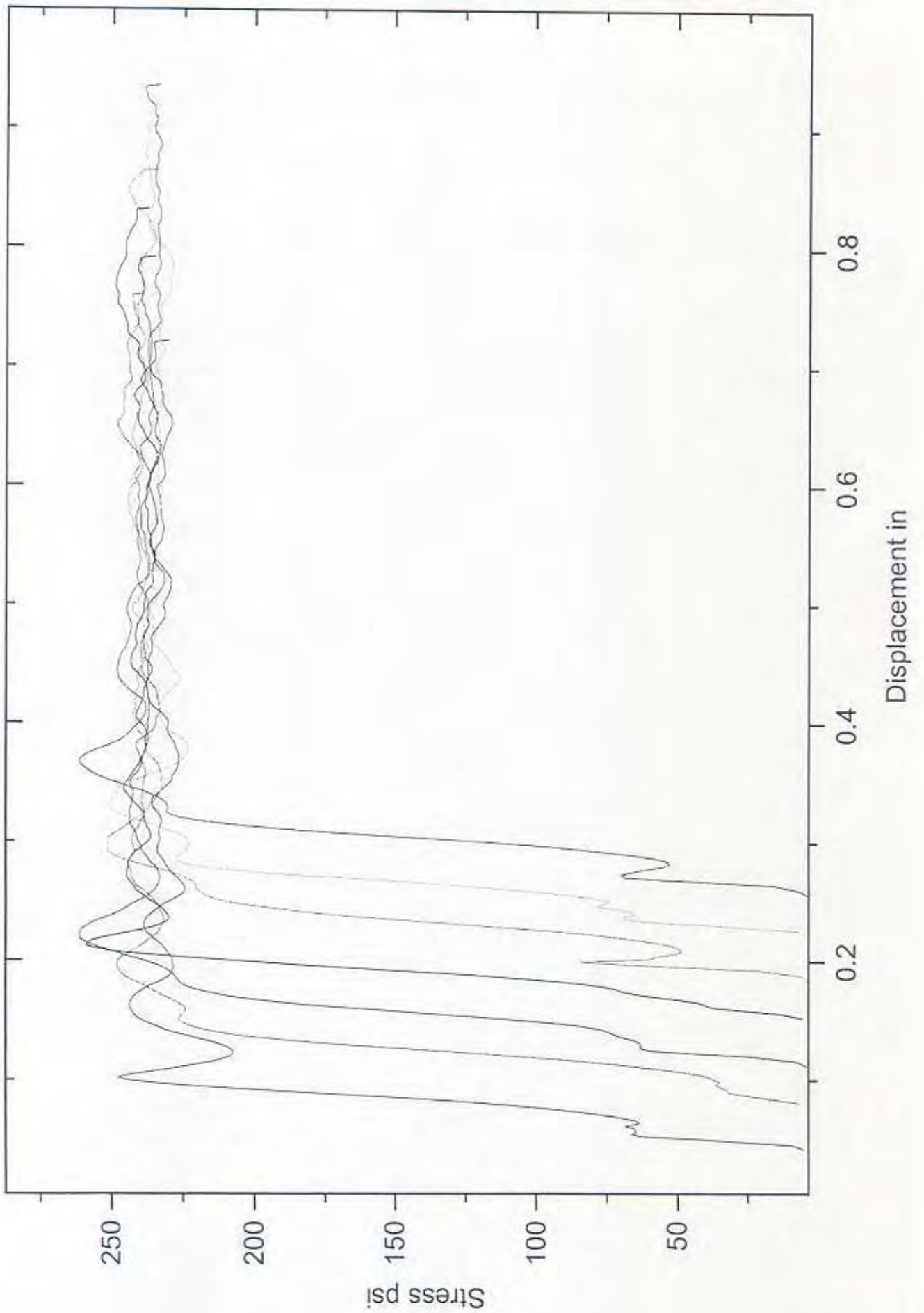


Crush Data
232 - 250 psi per DWG # DSL-1285

Block Number: 208A0304

| <u>Specimen Number</u> | <u>Zone 1</u> | <u>Zone 2</u> | <u>Zone 3</u> |
|------------------------|---------------|---------------|---------------|
| 1 | 232.37 | 233.95 | 235.09 |
| 2 | 237.75 | 240.31 | 245.09 |
| 3 | 238.02 | 232.58 | 234.49 |
| 4 | 238.93 | 238.15 | 244.12 |
| 5 | 239.48 | 241.09 | 240.17 |
| 6 | 235.10 | 233.16 | 233.52 |
| 7 | 238.62 | 235.79 | 234.00 |

BLOCK # 208A0304 Sample ID: IN229670



VC11822

SIDE IMPACTOR BARRIER CERTIFICATION

Date: June 7, 2004
To: Chrysler Corp.
1252 Chelsea Proving Grounds
3700 S. M-52 Highway
Chelsea, MI 48118-9600

PURCHASE ORDER INFORMATION

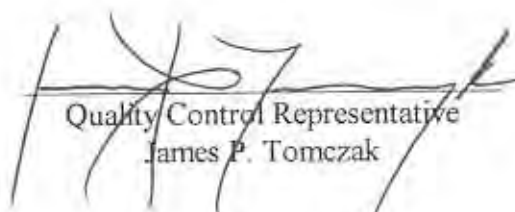
Customer P.O. Number: JZR5185260-A
Work Order Number: 102078
Plascore Part Number: 18723
Quantity: 01 piece

CORE INFORMATION

Core Type: PAMG-3/8-1.6-001-P-5052
Cell Size: 0.375 inches
Density: 1.6 pcf

Unit Number: 088A0504

This is to certify that the aluminum honeycomb core supplied, under the unit number provided, meets the crush requirements of 45 psi +/- 2.5 psi per DWG # DSL-1285.


Quality Control Representative
James P. Tomczak





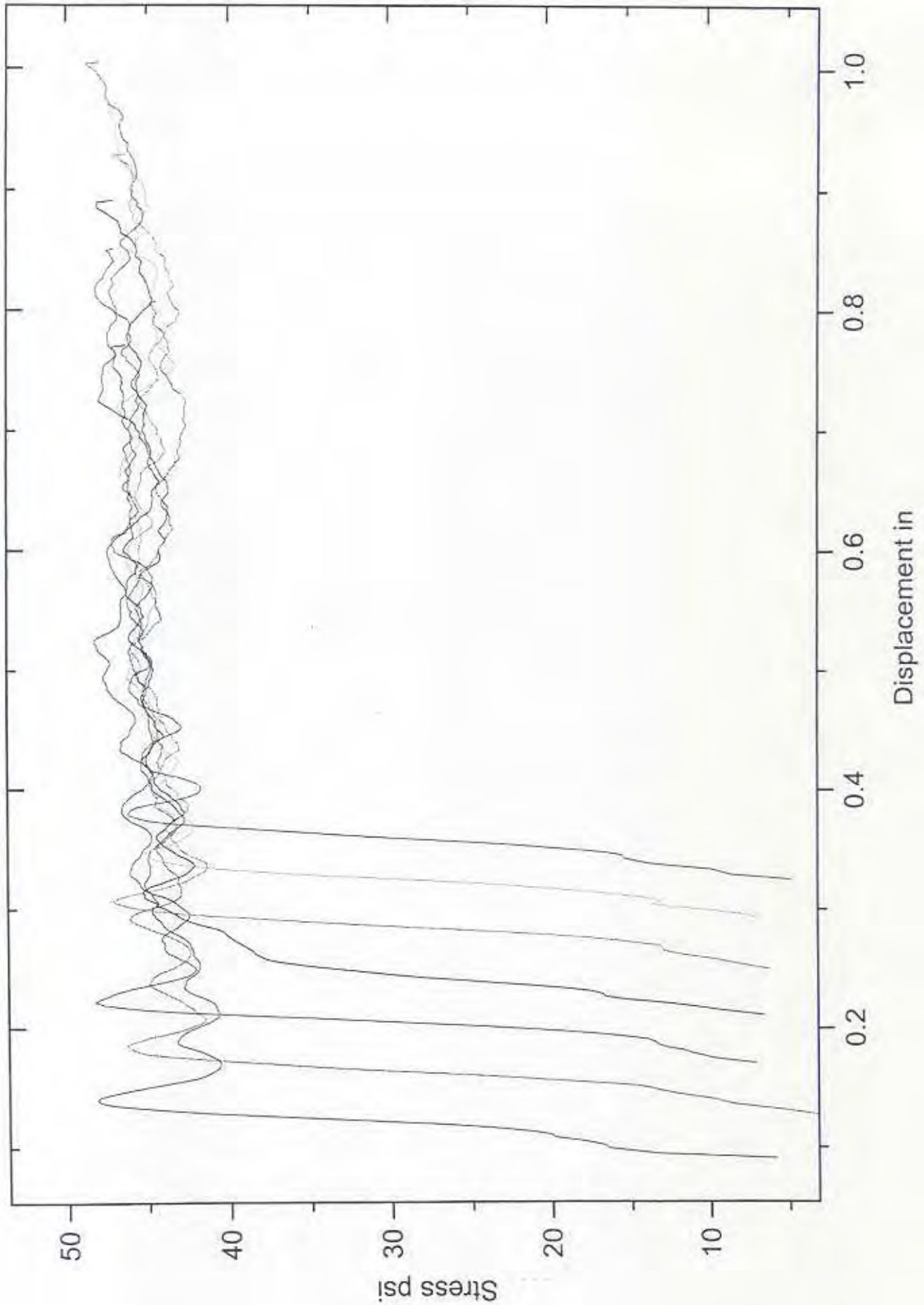
Crush Data

45 psi +/- 2.5 psi per DWG # DSL-1285

Block Number: 088A0504

| <u>Specimen Number</u> | <u>Zone 1</u> | <u>Zone 2</u> | <u>Zone 3</u> |
|------------------------|---------------|---------------|---------------|
| 1 | 44.43 | 45.07 | 44.27 |
| 2 | 44.85 | 44.30 | 42.93 |
| 3 | 46.88 | 46.35 | 46.75 |
| 4 | 45.41 | 45.12 | 45.55 |
| 5 | 45.16 | 44.65 | 43.67 |
| 6 | 45.85 | 44.82 | 45.10 |
| 7 | 46.09 | 46.22 | 45.69 |

BLOCK # 088A0504 Sample ID: IN230131



FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC11822, ITEM NUMBER WKJ4181, TEST ENGINEER HAVENS

V.I.N. 1J8HR58N05C [REDACTED], TEST DATE 6/17/04, ROLL DATE 06/18/04

TEST TYPE; 50 MPH LEFT REAR 70% OFFSET MOVING BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 19.5 GALLONS

TEST SPEED 50.2 MPH, TEST WEIGHT 5443 POUNDS.

POST IMPACT LEAKAGE (OZ); AT IMPACT Ø

1ST 5 MIN. Ø

NEXT 25 MIN. Ø

POST TEST PRESSURE CHECK N/A

ELECTRIC FUEL PUMP RUN N/A

N/A

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 | | | | <u>Ø</u> * |
| <u>1:29</u> | POST 5 MIN | | | | <u>Ø</u> ** |
| 90-180 | 1ST 5 MIN | | | | <u>Ø</u> * |
| <u>1:29</u> | POST 5 MIN | | | | <u>Ø</u> ** |
| 180-270 | 1ST 5 MIN | | | | <u>Ø</u> * |
| <u>1:19</u> | POST 5 MIN | | | | <u>Ø</u> ** |
| 270-360 | 1ST 5 MIN | | | | <u>Ø</u> * |
| <u>1:27</u> | POST 5 MIN | | | | <u>Ø</u> ** |

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS _____

VEHICLE ATTITUDE

TEST NUMBER VC11822

TEST ENGINEER HAVENS

ITEM NUMBER WKJ4181

X FENDER/WHEELWELL HEIGHTS _____ SILL HEIGHTS

| | LF | LR | RF | RR |
|-------------|------|------|------|------|
| AS RECEIVED | 32.7 | 33.2 | 32.8 | 33.6 |
| AS BUILT-UP | | | | |
| AS TESTED | 30.9 | 32.6 | 31.2 | 32.6 |

Test VC11822

Last Requester Update
Last Check

06/07/2004 01:38:04 PM EDT
6/16/2004 3:03:05 PM

VC11822 50.0 MPH ITEM WKJ-4181 05 WK, USA 301-OFFSET COMPLIANCE TEST TEST DATE 06/16/2004

| Analysis | Camera | Lens | Sync | F Stop | HGacq | Pnl | Clb | Skt |
|---------------------------------------|----------------------------------|------------------------|--------------------------|--------|-------|-----|-----|-----|
| 1 <input type="checkbox"/> | CATWALK OVERALL | | | | | | | |
| | 1 | HG2000 ZOOM mm #4 CAN | <input type="checkbox"/> | | 350 | | | |
| 2 <input type="checkbox"/> | LEFT OVERALL | | | | | | | |
| | 9 | HG2000 ZOOM mm #11 CAN | <input type="checkbox"/> | | 350 | | | |
| 3 <input type="checkbox"/> | LEFT OVERALL INLINE WITH BARRIER | | | | | | | |
| | 16 | HG2000 ZOOM mm #10 CAN | <input type="checkbox"/> | | 350 | | | |
| 4 <input type="checkbox"/> | PIT FUEL TANK | | | | | | | |
| | 7 | HG2000 ZOOM mm #7 CAN | <input type="checkbox"/> | | 350 | | | |
| 5 <input type="checkbox"/> | REAR 45 VEHICLE STRUCKSIDE | | | | | | | |
| | 10 | HG2000 ZOOM mm #6 CAN | <input type="checkbox"/> | | 350 | | | |
| 6 <input type="checkbox"/> | RIGHT OVERALL | | | | | | | |
| | 2 | HG2000 ZOOM mm #1 CAN | <input type="checkbox"/> | | 350 | | | |
| 7 <input checked="" type="checkbox"/> | VELOCITY | | | | VEL | | | |
| | 18 | HG2000 ZOOM mm #8 CAN | <input type="checkbox"/> | | 250 | | | |

In Addition to Default Print:

ORIGINAL ORDER

CUSTOM MEASUREMENTS AND OBSERVATIONS

TEST NUMBER VC11822 ITEM NUMBER WKJ4181 TEST ENGINEER HAVENS

| DOOR EFFORTS UNLATCH / OPENING | PRE | POST | | | |
|-----------------------------------|------------------|-------------------------------|--------|---------|------|
| LF | _____ | _____ | X DOOR | DAMAGED | ED |
| | | | | PRE | TEST |
| LR | 100/55 | 88/29 | | | |
| RF | 72/33 | 72/31 | | | |
| RR | 83/36 | 72/- | | | |
| TAILGATE | 80 | unable to release manually | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

DATE 06/17/04
TIME 11:24:58.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11822 ITEM WKJ-4181
VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
TEST DATE 06/17/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-OFFSET COMPLIANCE

IMPACT TYPE TARGET SPEED; 80.0 KPH
DAMAGE LOCATION; REAR LEFT
BARRIER TYPE; REAR TYPE V ADJUSTABLE
BARRIER SURFACE; PLASCORE

VEHICLE BODY CLASS; WK
CAR LINE; NONE
BODY; 74
ENGINE; EVA
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8HR58N05C [REDACTED]
VIN AS BUILT; 1J8HR58N05C [REDACTED]

TEST SPEED 80.83 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 2468.94 TOTAL, 1385.29 FRONT, 1083.65 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-47
RESTRAINT- A/B + UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-70
RESTRAINT- A/B + UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005 S1 WK LIMITEDPOWER / LEATHER SEATS.ADJUSTABLE
PEDALS.FULL-SIZE SPARE TIRE.TRAILER HITCH.GRAINED
INSTRUMENT PANEL TOP COVER WITH NEXPRENE PAB CHUT
E.PRODUCTION-TOOLED UNGRAINED DRIVER AND PASSENGER
KNEEBLOCKERS.VERTICAL PENCIL BRACKETS ON FRONT HY
DROFORM UPPER CROSSMEMBER.
MODIFIED BUILD:
REPLACED ORC WITH 50G ORC WITH INTERNAL-MONITORING
CAPABILITY.RETROFIT LIFTGATE WITH UPDATED LATCH A
ND HANDLE COMPONENTS (45G, DUAL-SPRING HANDLE + CA
BLE-ACTUATED LATCH).ADDED CLEARANCE NOTCH TO BIW O
N REAR SEAT CROSSMEMBER IN AREA BY FUEL TANK CONTR
OL VALVE.INSTALLED REAR AXLE BOOM DAMPER.REMOVED A
ND DISCARDED TRAILER HITCH.
MODIFIED EMD BUILD:
PURGED FUEL SYSTEM OF GASOLINE AND FILLED WITH 3 G
ALLONS OF STODDARD SOLVENT.

DATE 06/17/04
TIME 11:24:58.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11822 ITEM WKJ-4181
VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
TEST DATE 06/17/04
TEST SITE CPG

TARGET WEIGHT(KG) 2468.0 TOTAL, 0.0 FRONT, 0.0 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
200 LBS ON LEFT FRONT FLOOR PAN, 200 LBS ON RIGHT
FRONT FLOOR PAN
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

EDP TECHNICIAN S. MARCHENIA

No. of Pages 44
CC

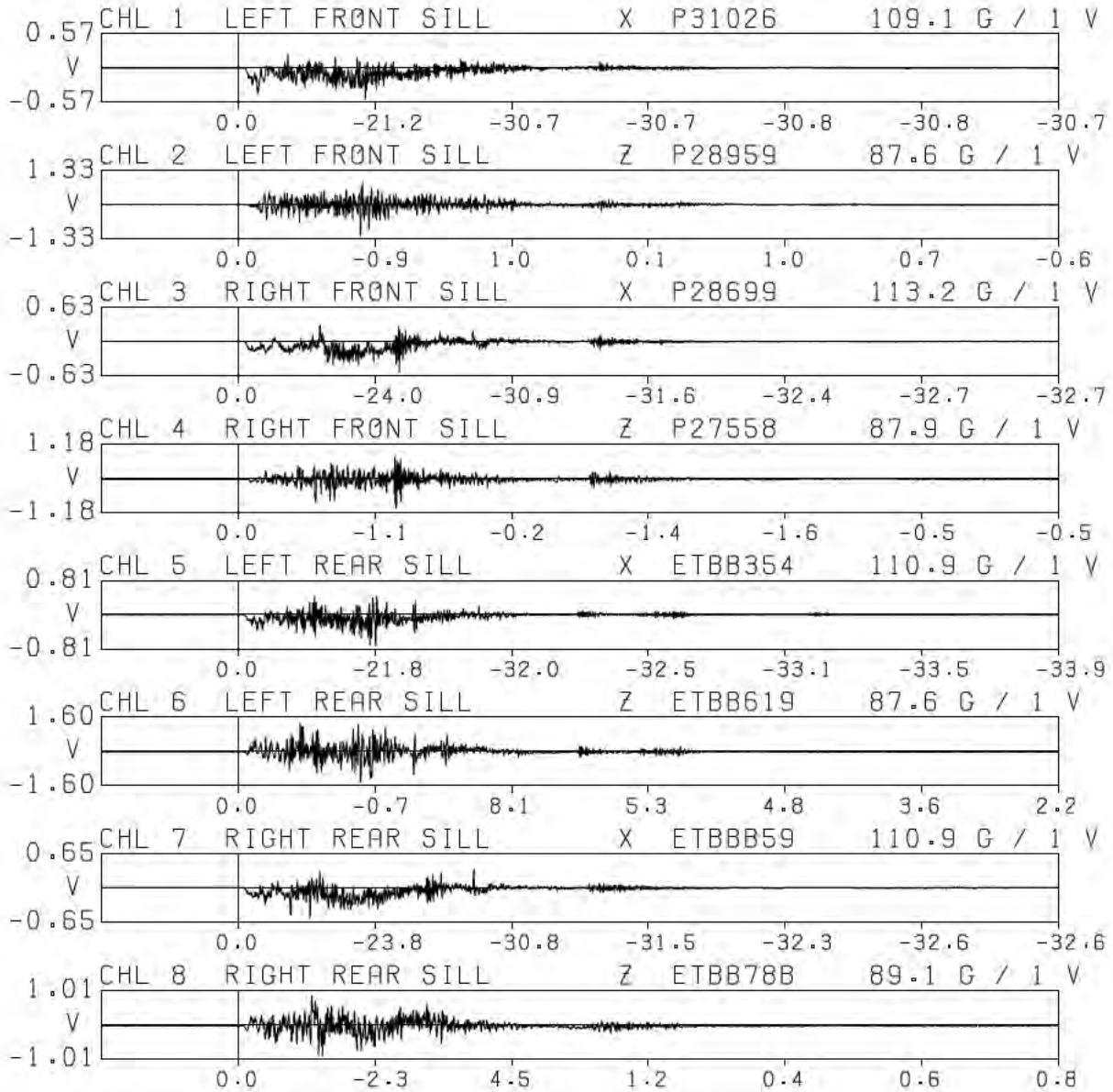
R. BORTOLIN 514-17-39
M. STEBELTON 422-05-01

TRANSDUCER SUMMARY REPORT

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
 05 WK. USA 301-OFFSET COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 JUN 17, 2004

DATA SET 06/17/04BA
 ERRATA 1

-50 0 50 100 150 200 250 300



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

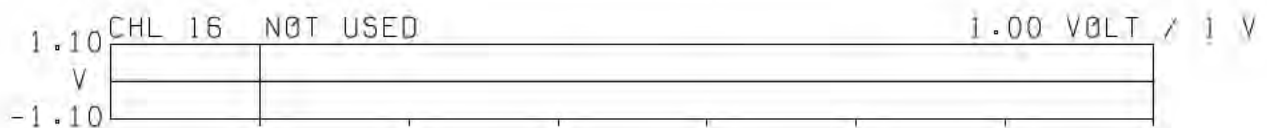
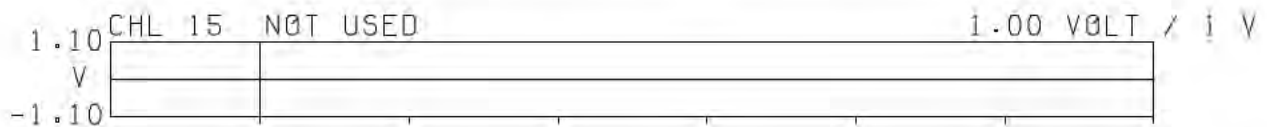
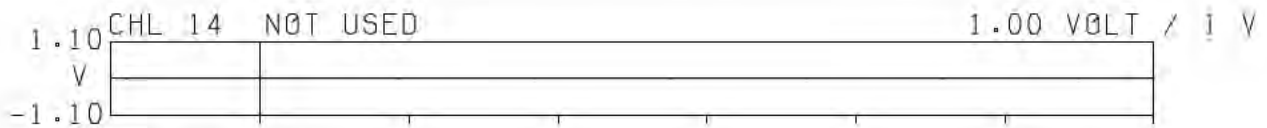
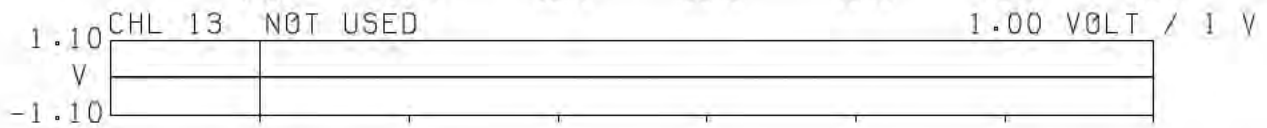
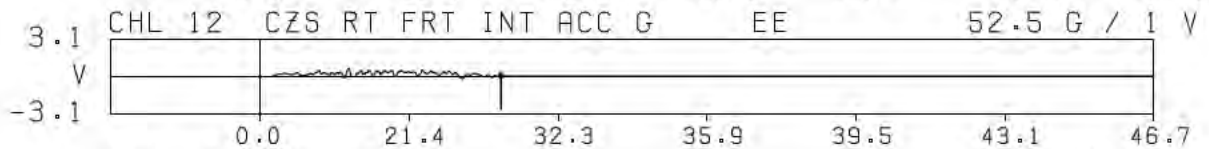
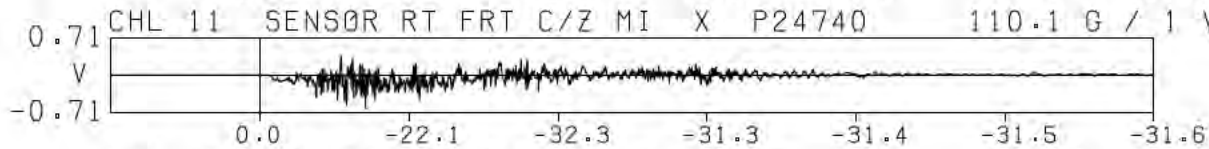
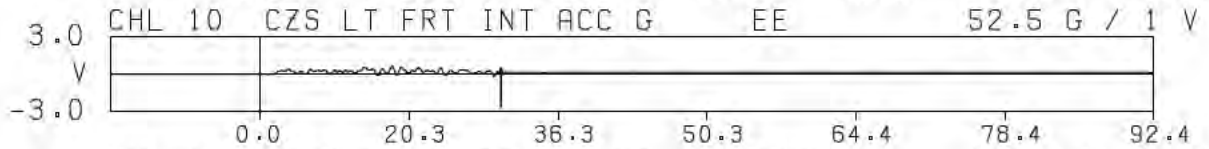
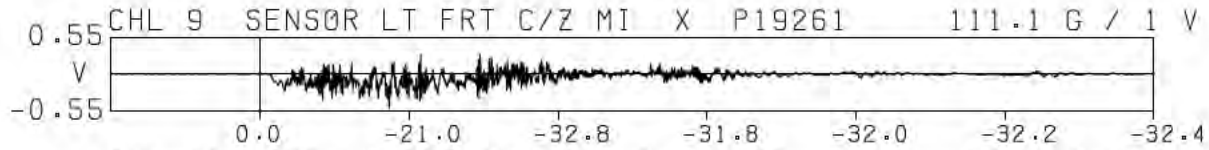
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
 05 WK. USA 301-OFFSET COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 JUN 17, 2004

DATA SET 06/17/04BA
 ERRATA 1

-50 0 50 100 150 200 250 300



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

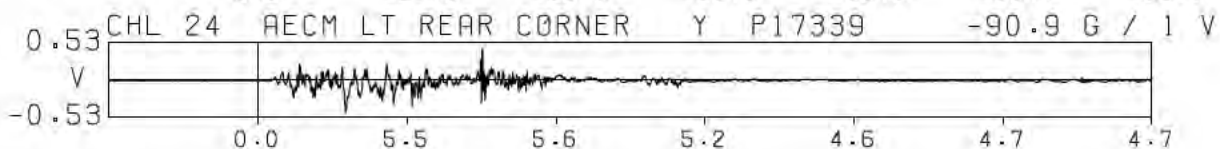
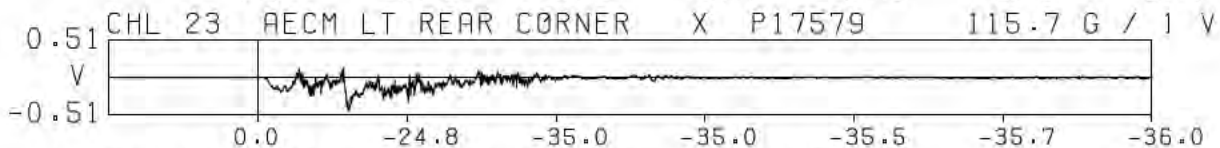
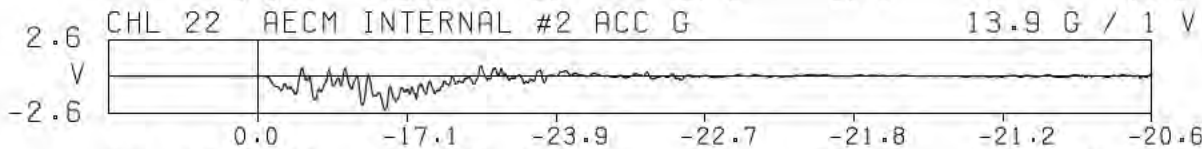
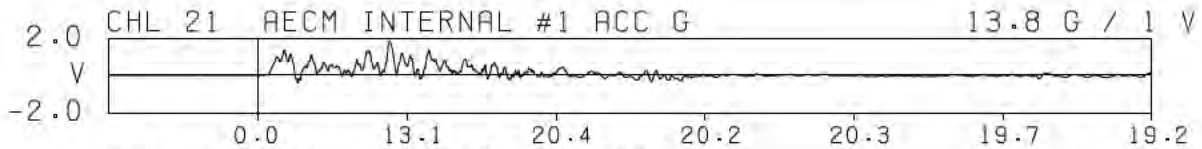
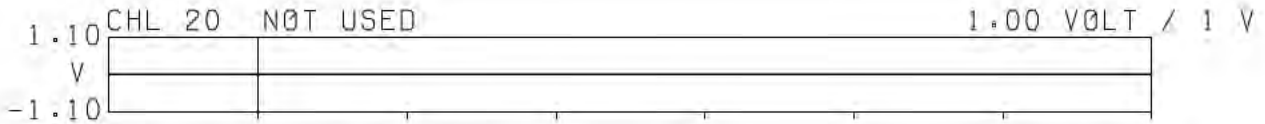
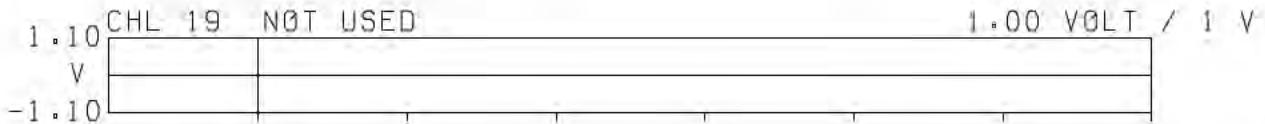
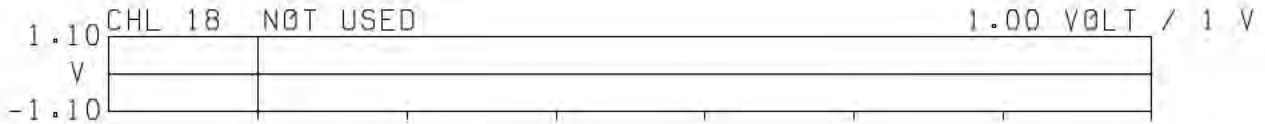
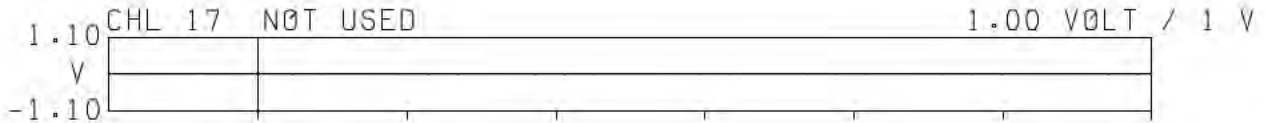
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
 05 WK. USA 301-OFFSET COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 JUN 17, 2004

DATA SET 06/17/04BB
 ERRATA 1

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 TIME, MSEC

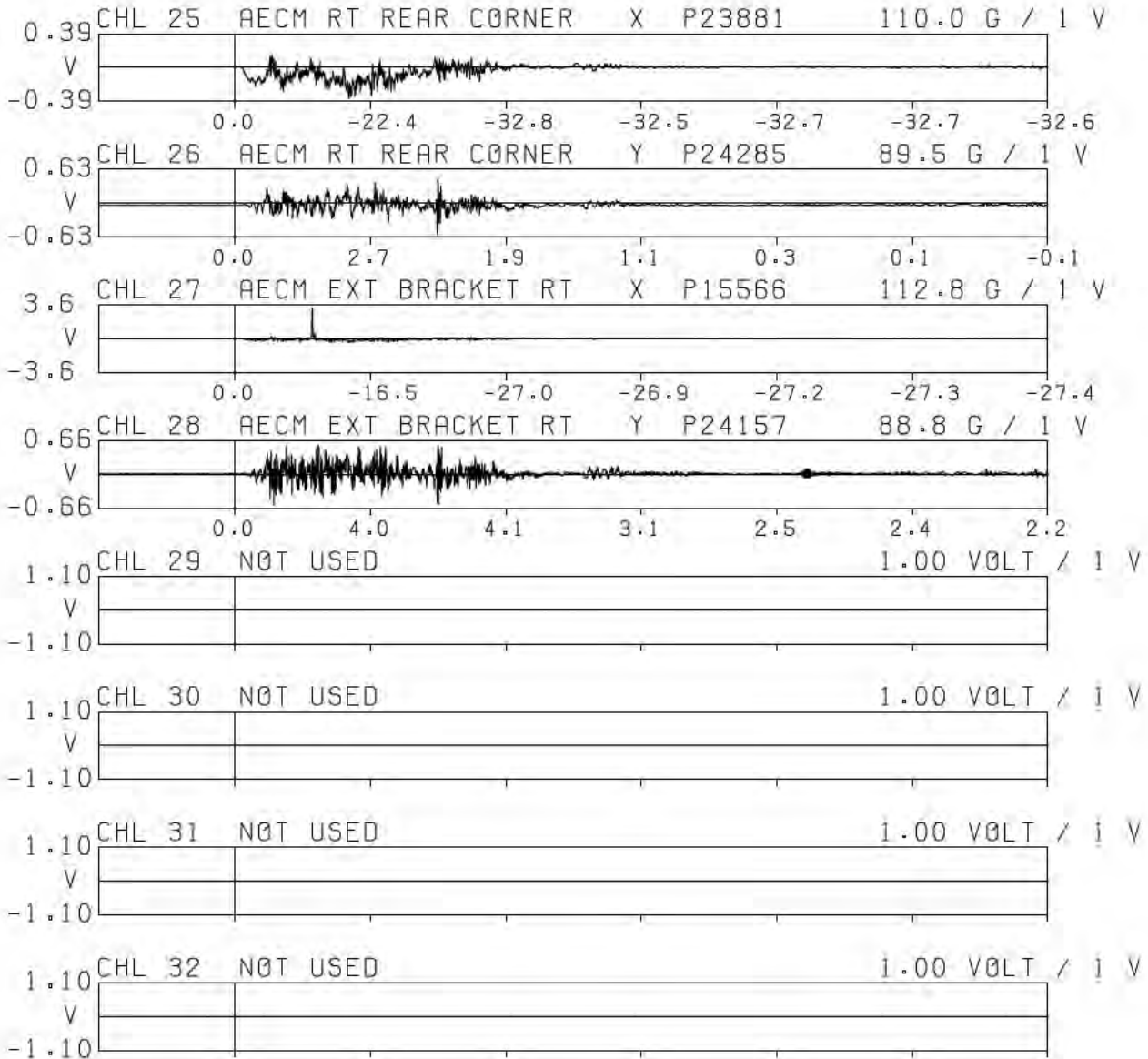
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK. USA 301-OFFSET COMPLIANCE TEST
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BB
ERRATA 1

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TIME, MSEC

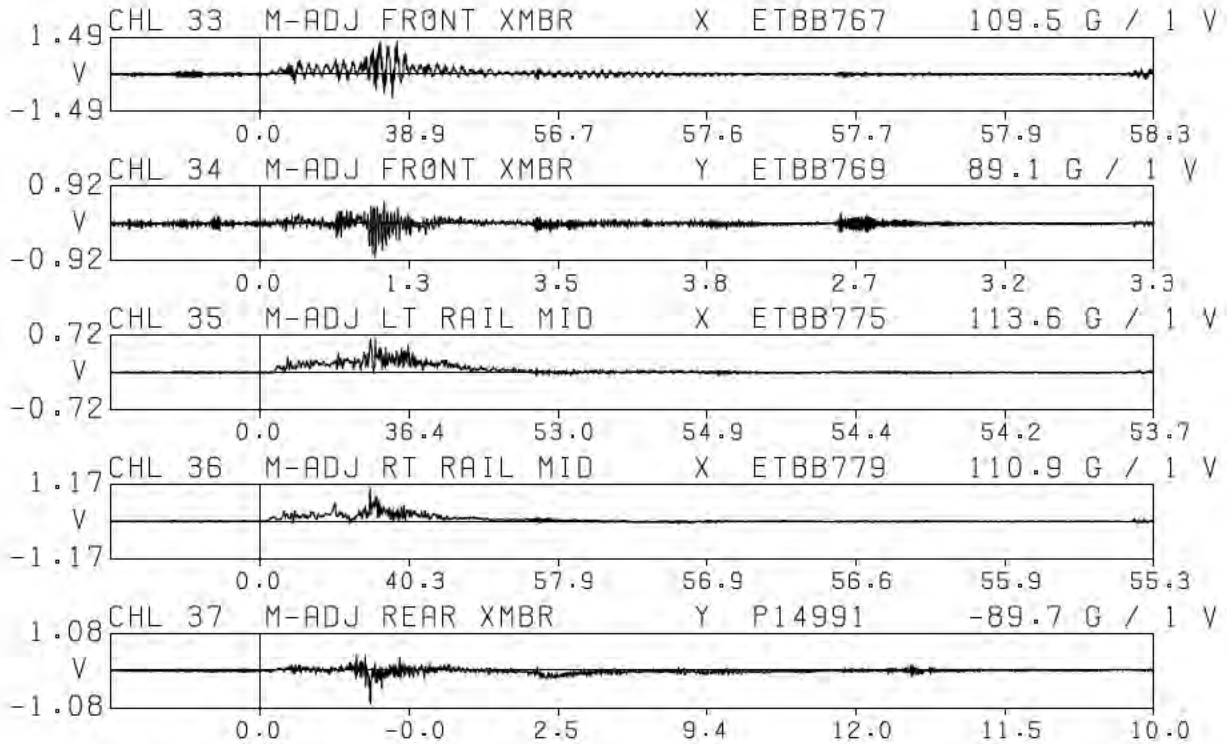
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
 05 WK. USA 301-OFFSET COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 JUN 17, 2004

DATA SET 06/17/04BC
 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-.

VCI1822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST

AVERAGE OF

| | | | |
|-------------|------------------|---|---------|
| CHANNEL 001 | LEFT FRONT SILL | X | P31026 |
| CHANNEL 003 | RIGHT FRONT SILL | X | P28699 |
| CHANNEL 005 | LEFT REAR SILL | X | ETBB354 |
| CHANNEL 007 | RIGHT REAR SILL | X | ETBBB59 |

FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)

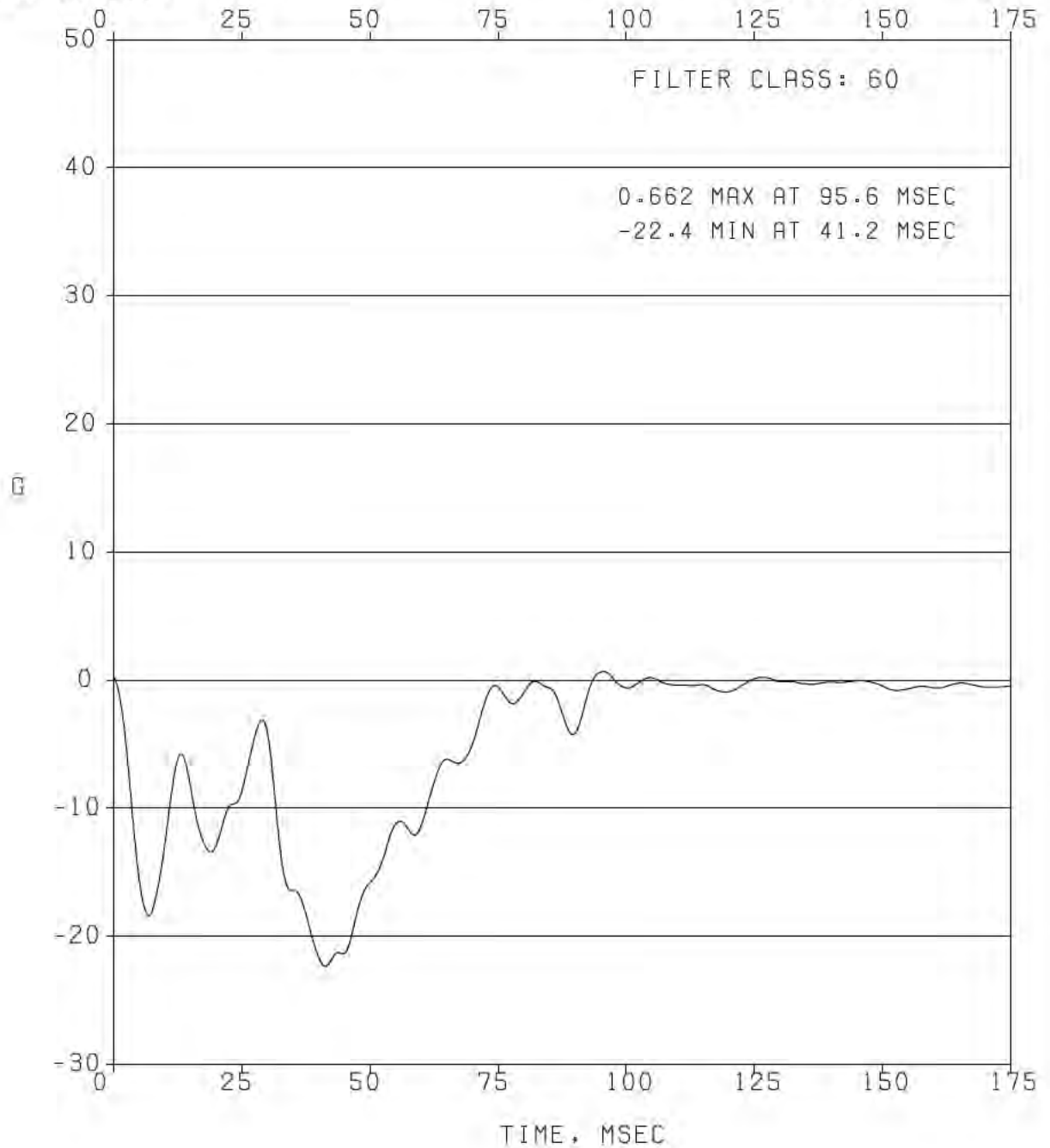
IMPACT ANALYSIS DEPT: 5320

DATA SET 06/17/04BA

JUN 17.2004

ERRATA

1



VCI1822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X P31026
CHANNEL 003 RIGHT FRONT SILL X P28699

FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)

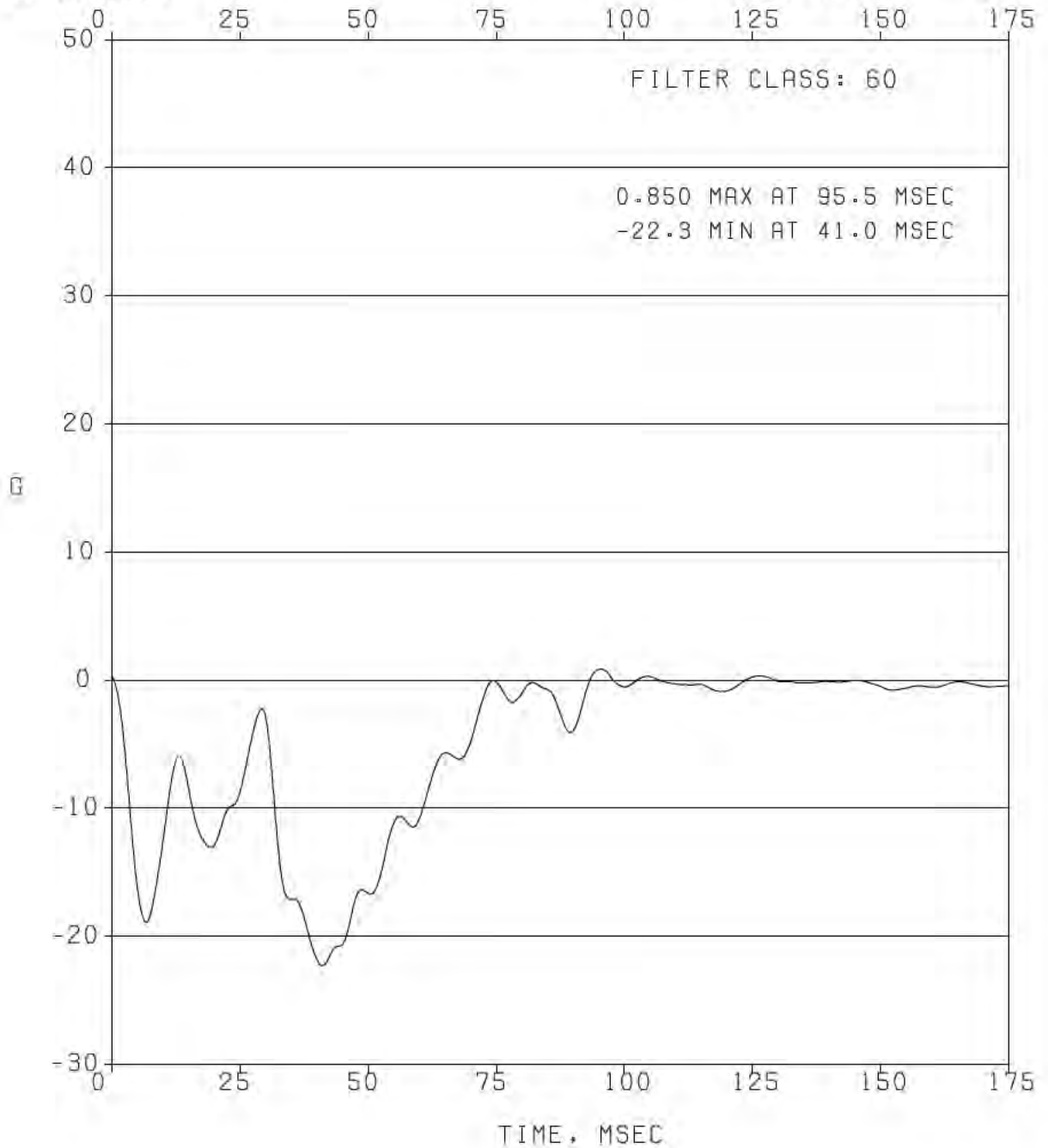
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DATA SET 06/17/04BA

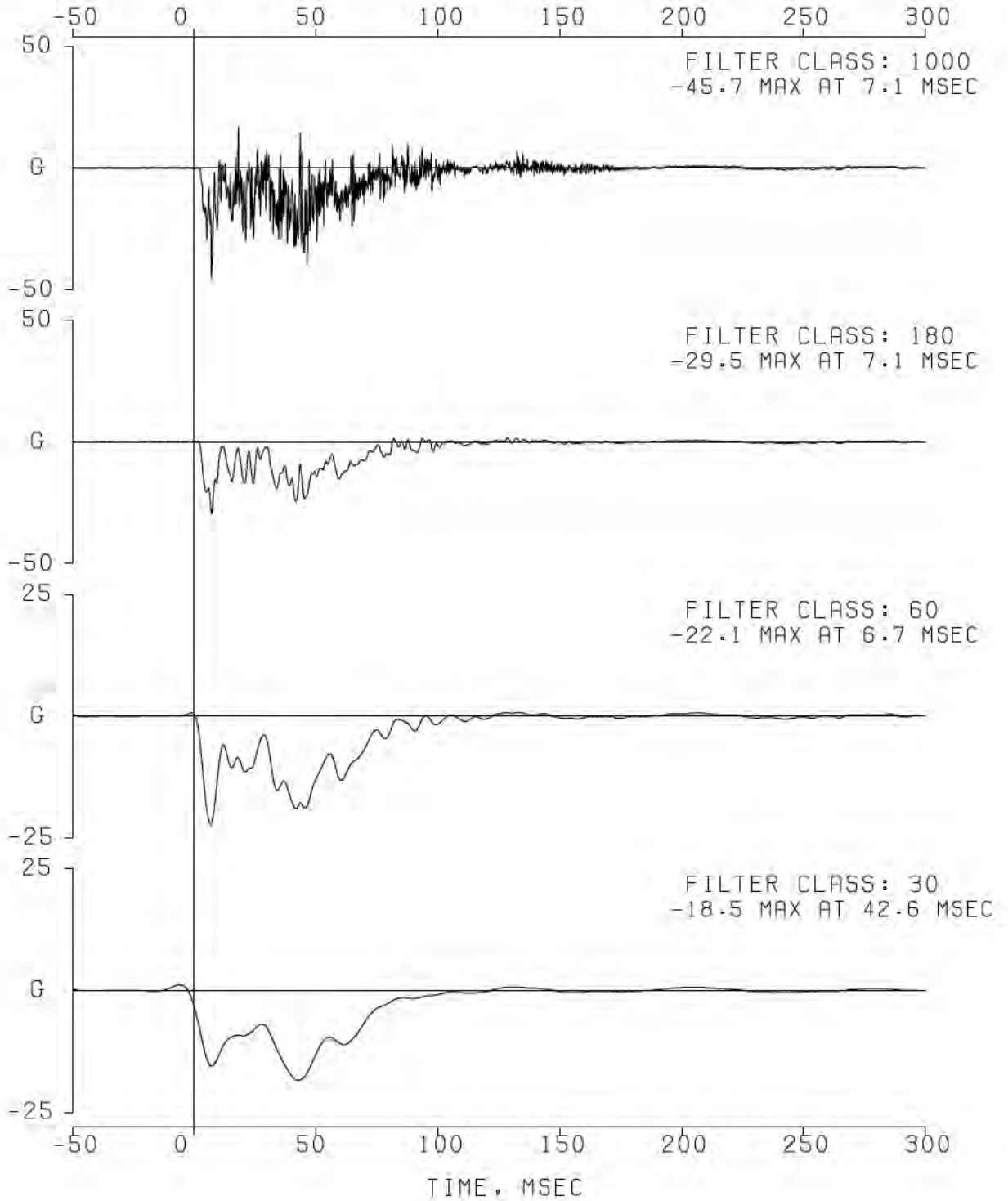
JUN 17.2004

ERRATA

1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P31026
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17,2004 ERRATA 1

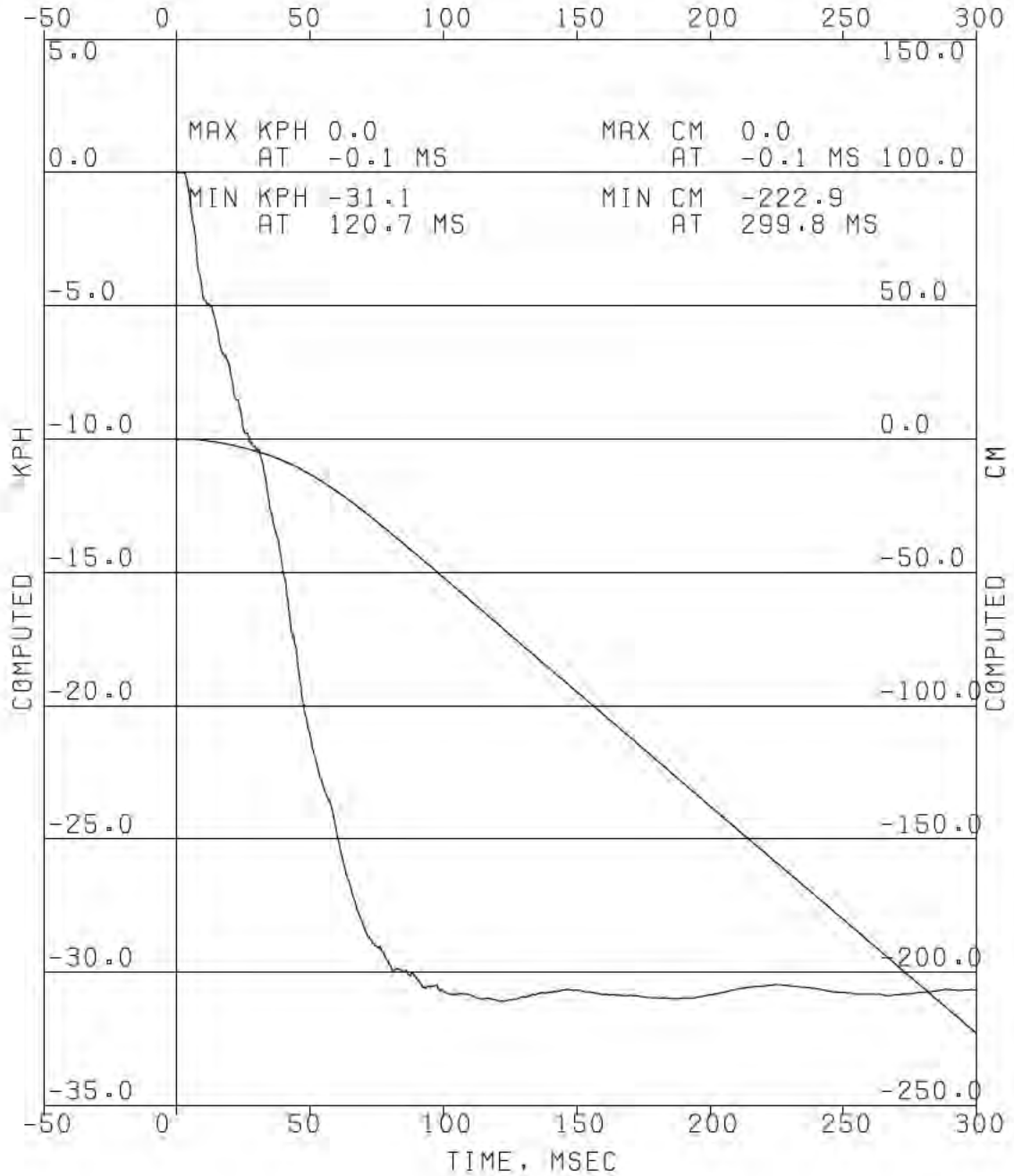


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P31026

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

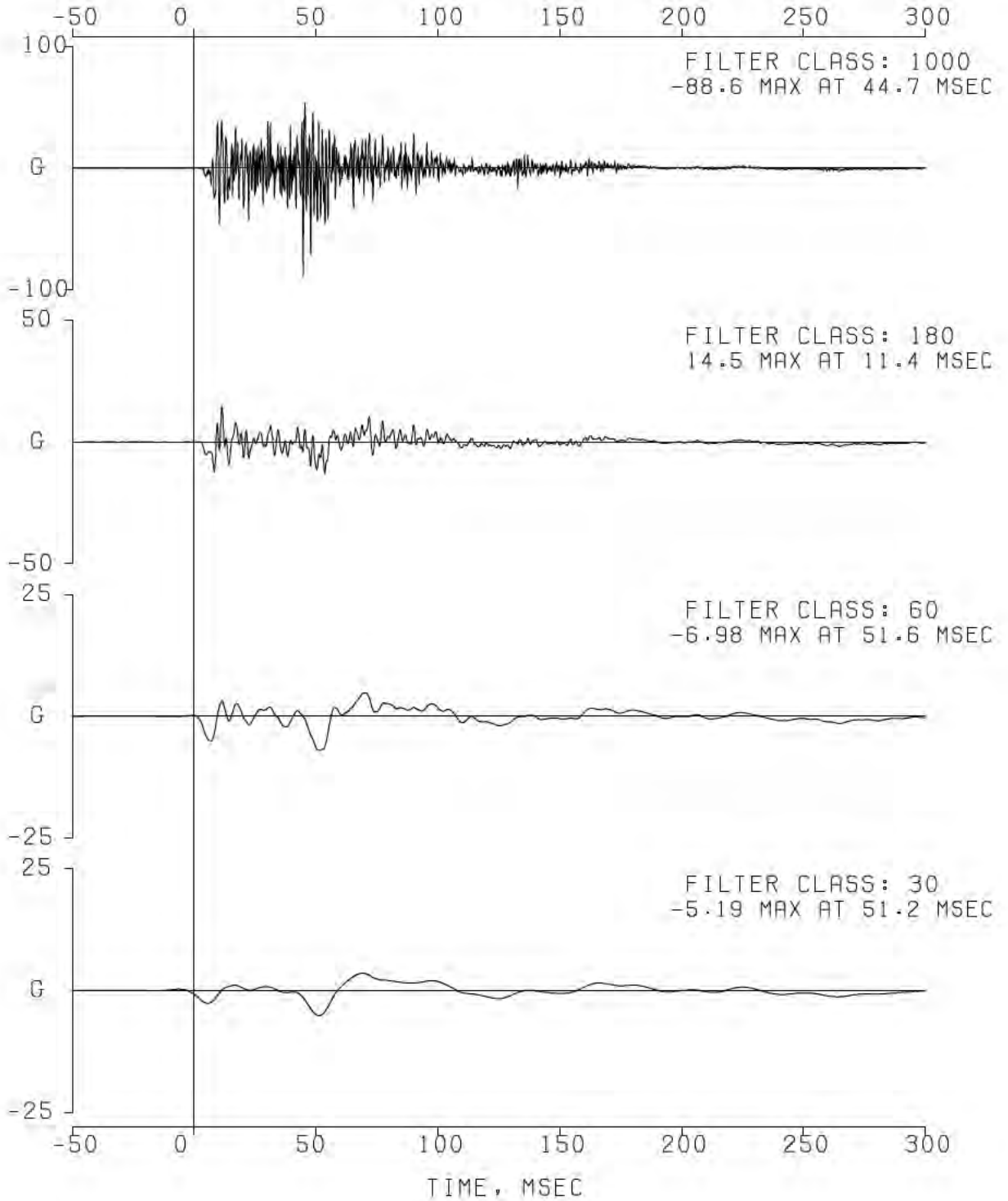
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BA
ERRATA 1

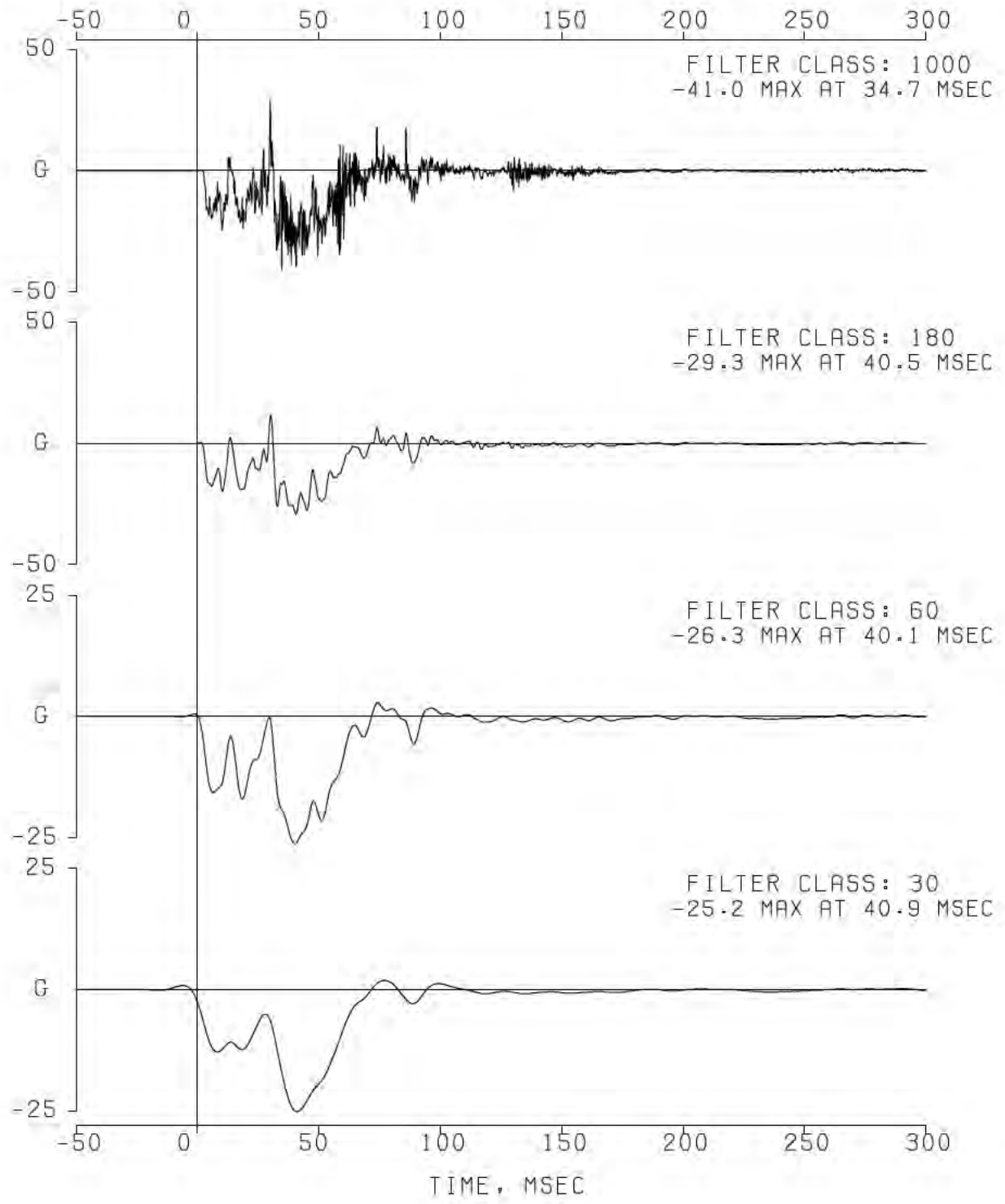


COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 002 LEFT FRONT SILL Z P28959
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17,2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 003 RIGHT FRONT SILL X P28699
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17,2004 ERRATA 1

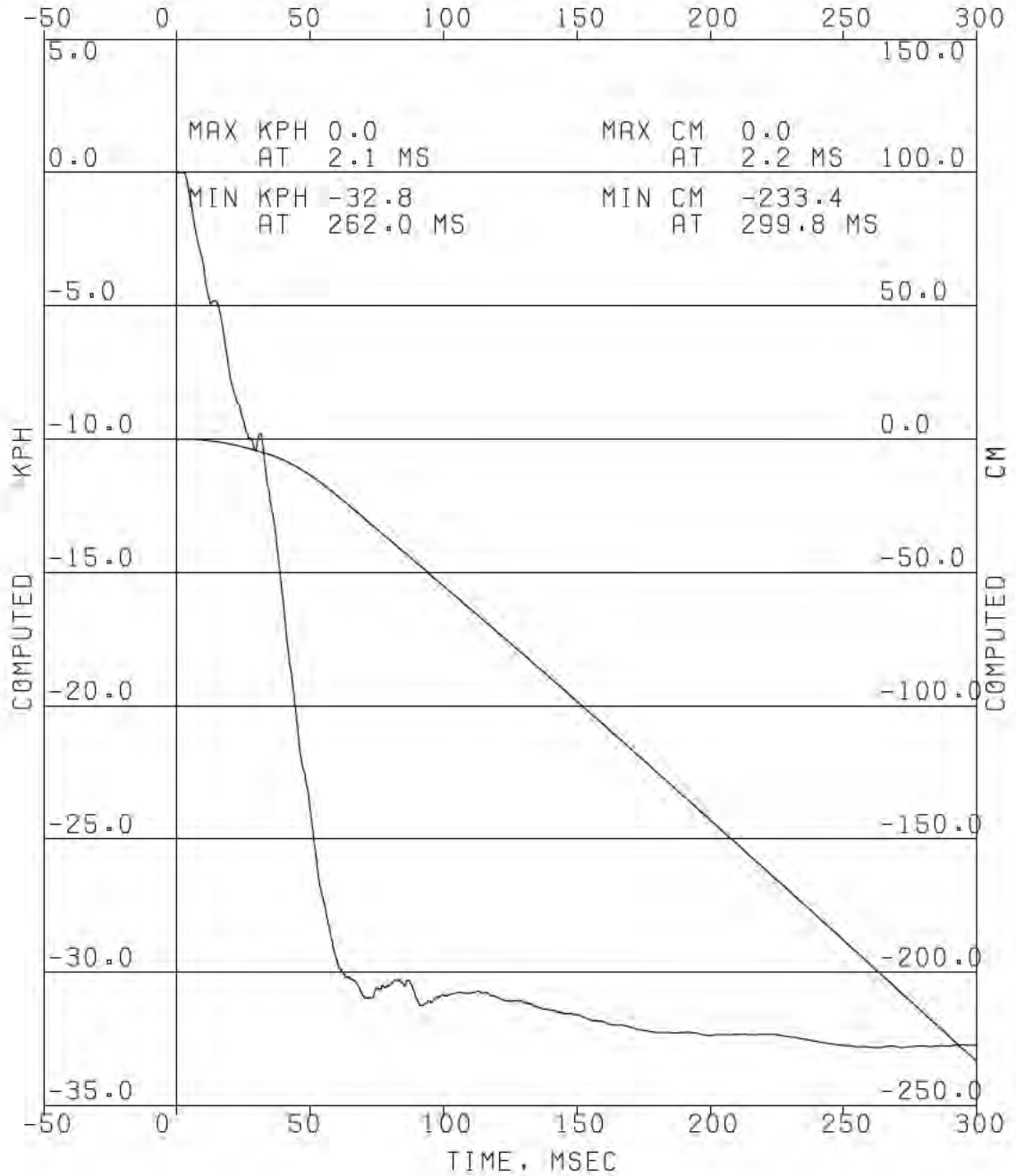


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 003 RIGHT FRONT SILL X P28699

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

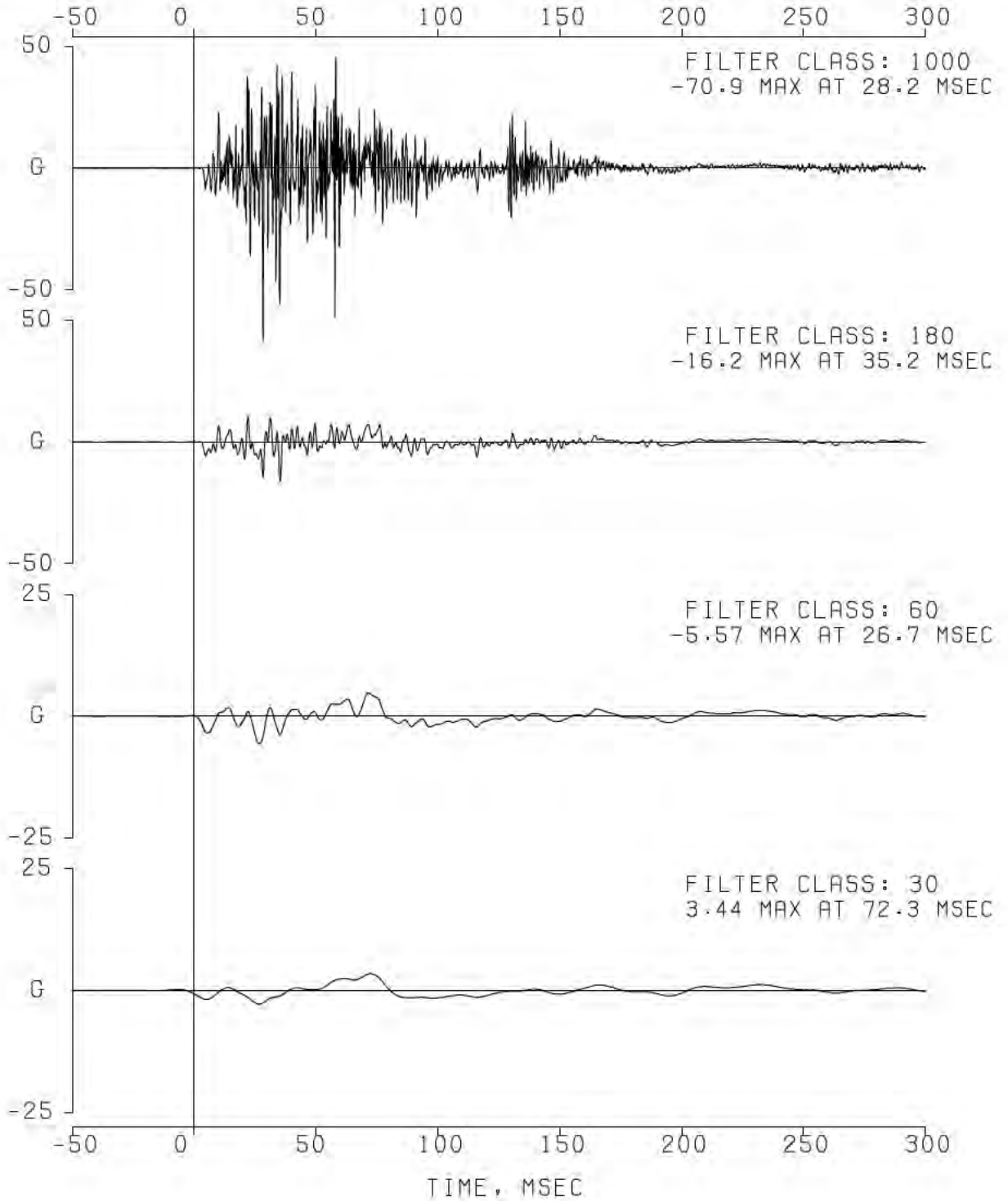
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JUN 17, 2004

DATA SET 06/17/04BA
ERRATA 1

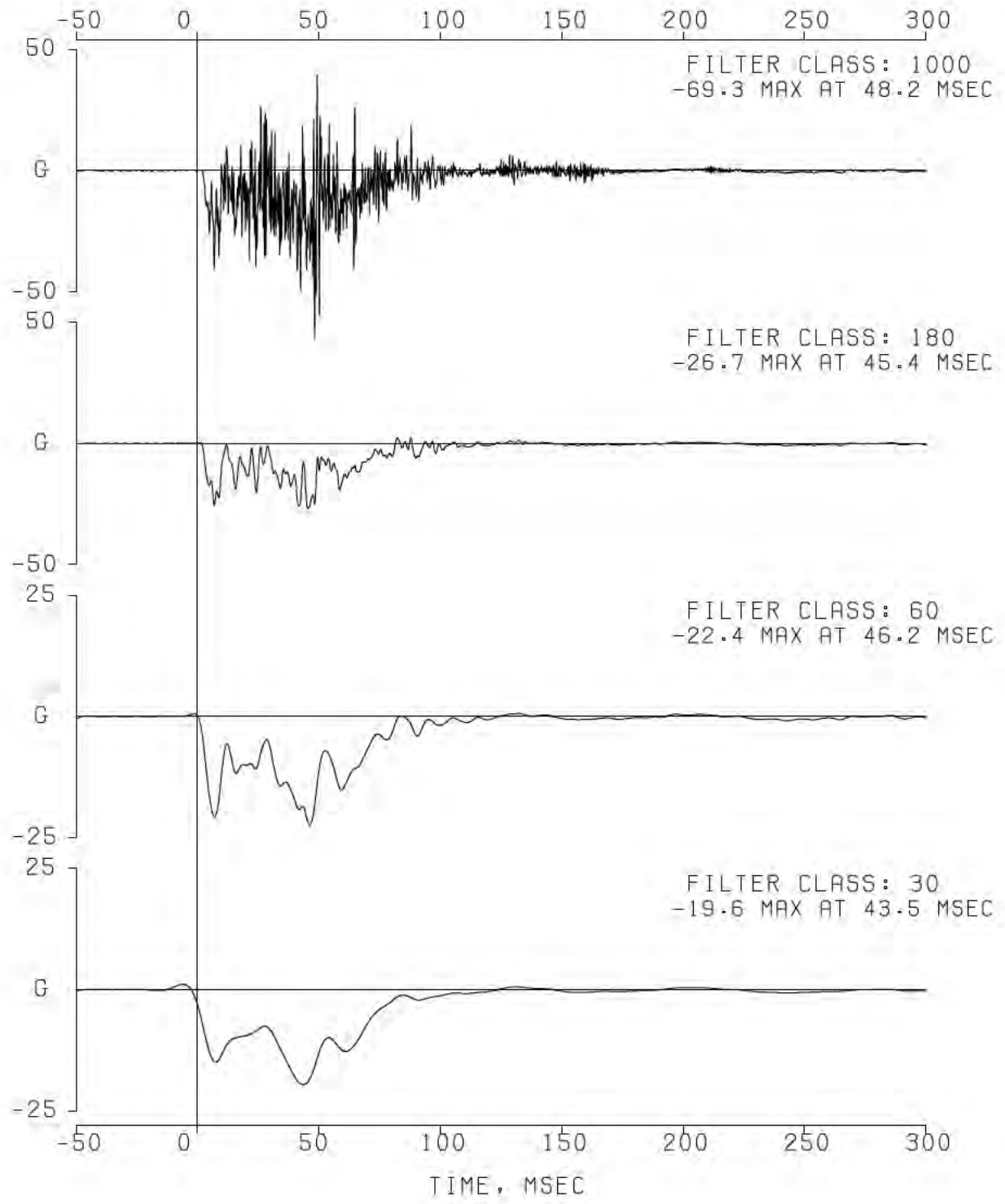


COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 004 RIGHT FRONT SILL Z P27558
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17,2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 005 LEFT REAR SILL X ETBB354
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17,2004 ERRATA 1

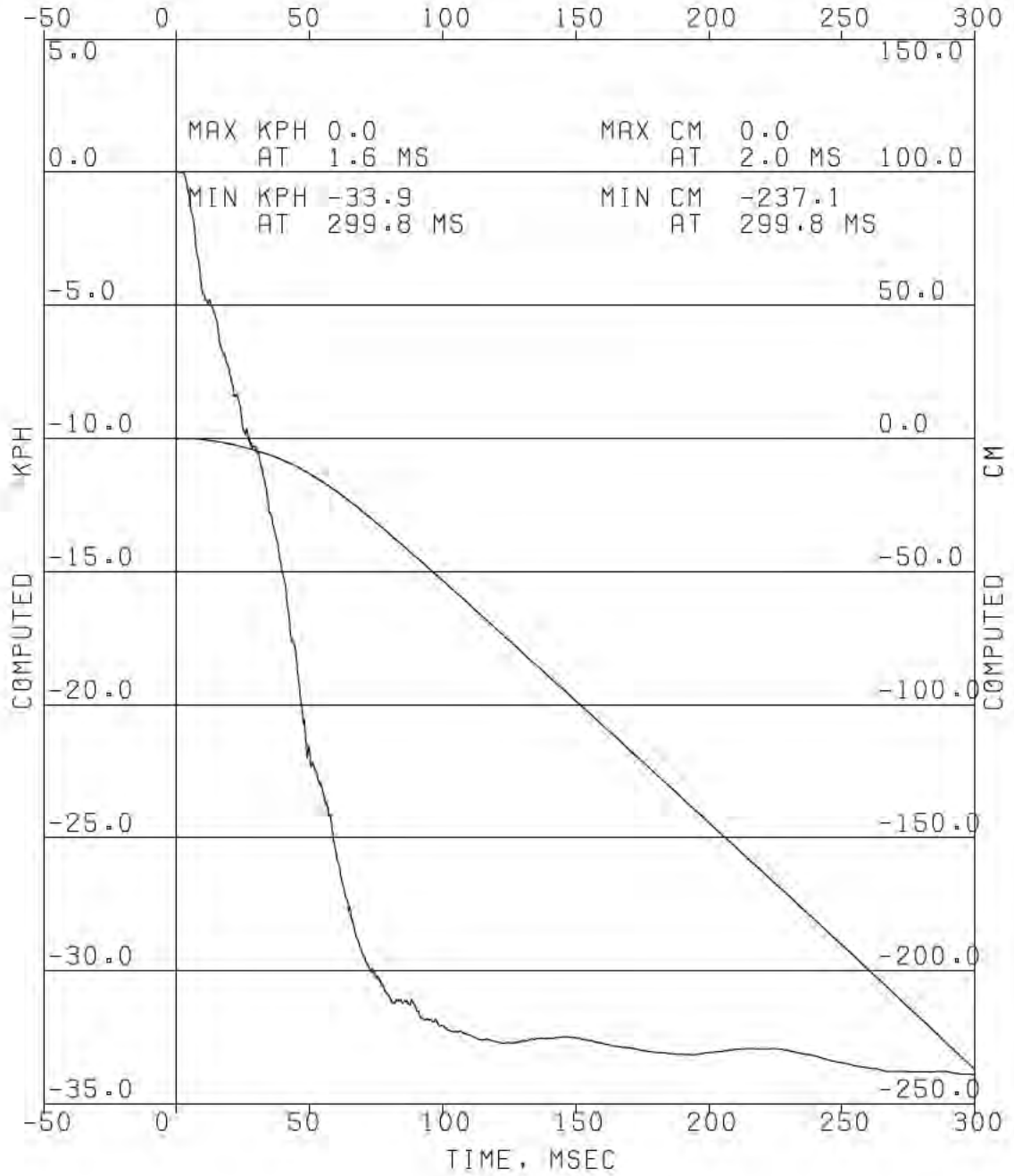


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 005 LEFT REAR SILL X ETBB354

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

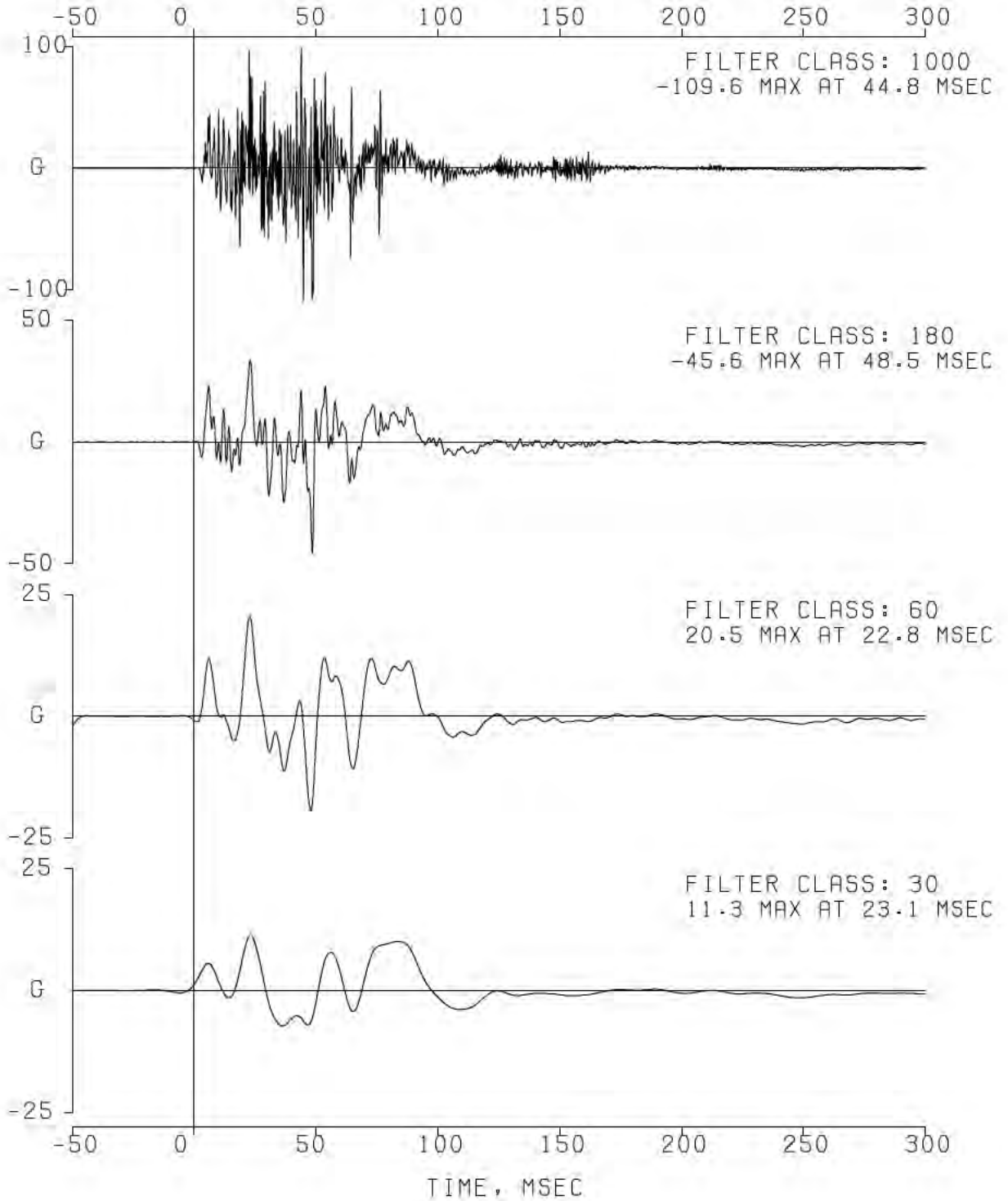
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BA
ERRATA 1

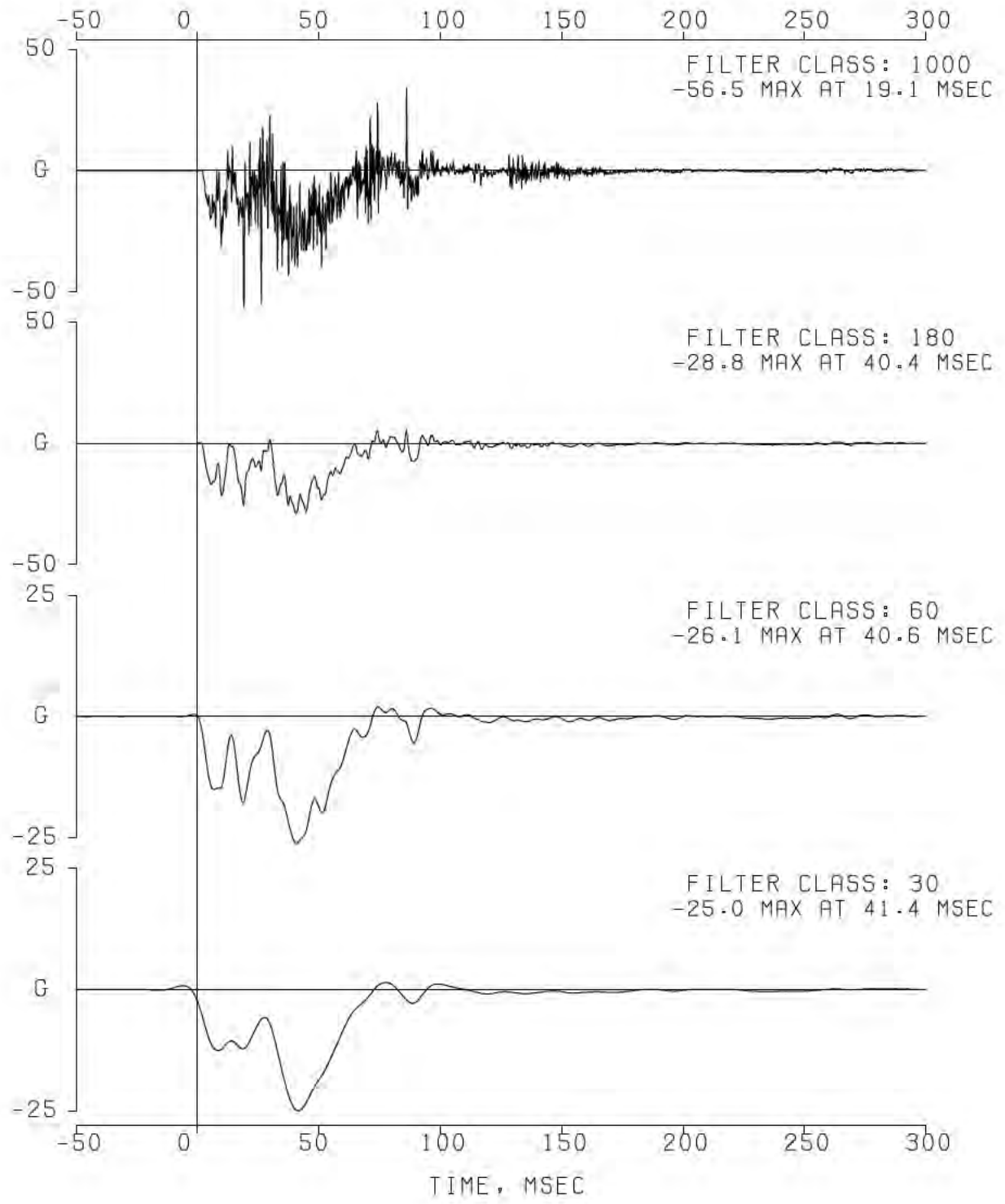


COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 006 LEFT REAR SILL Z ETBB619
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17,2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 007 RIGHT REAR SILL X ETBBB59
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17,2004 ERRATA 1

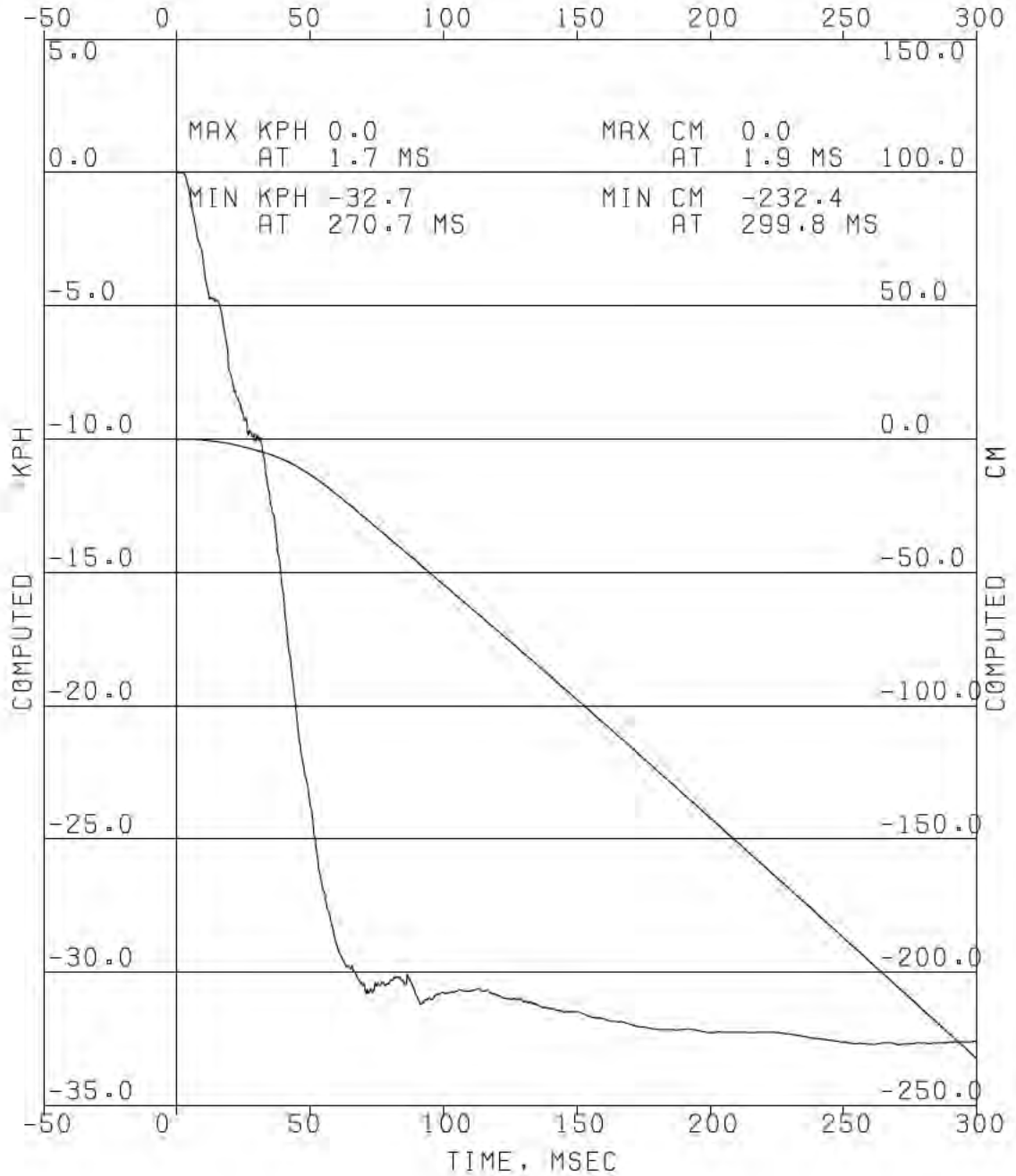


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 007 RIGHT REAR SILL X ETBBB59

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

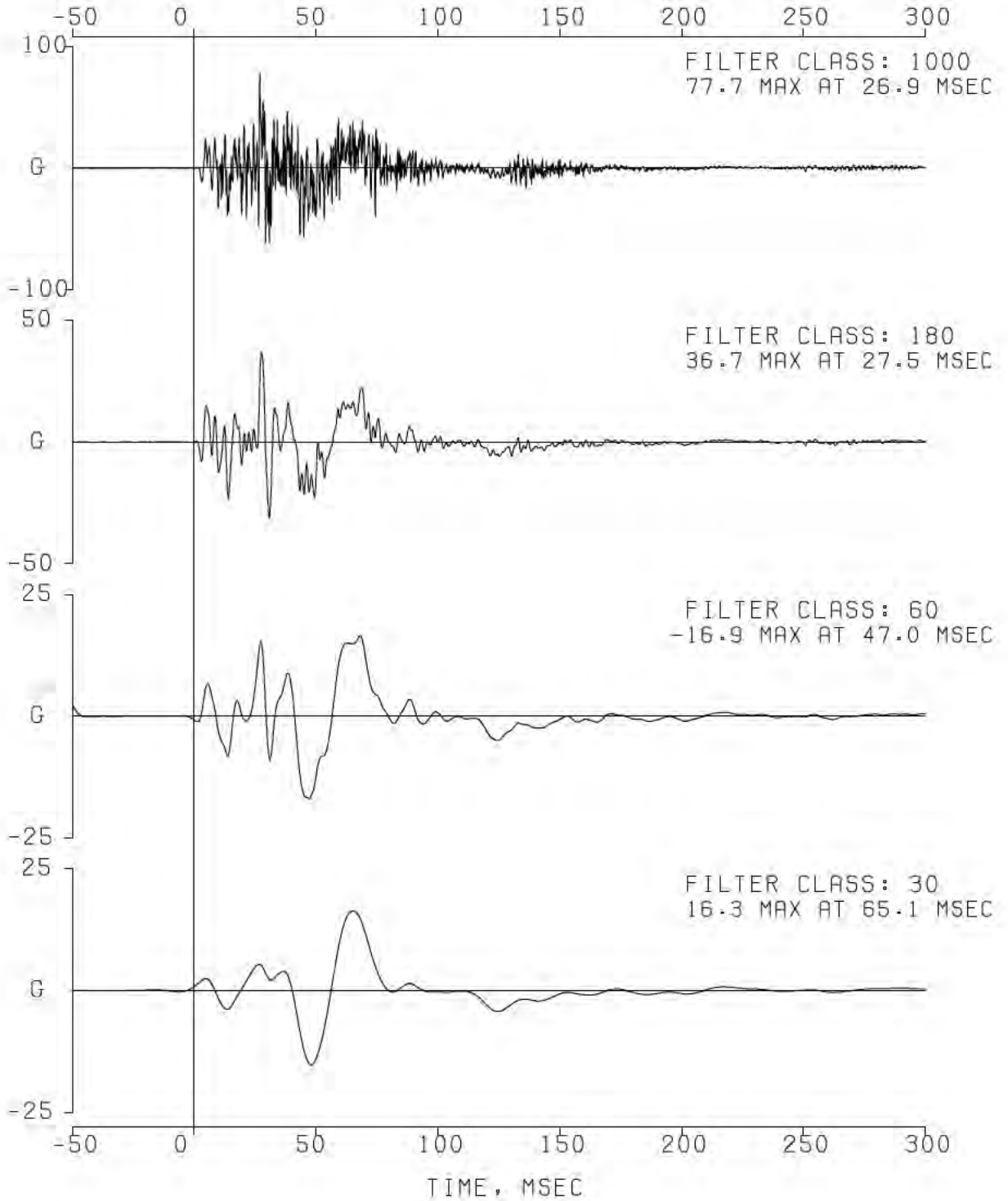
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BA
ERRATA 1

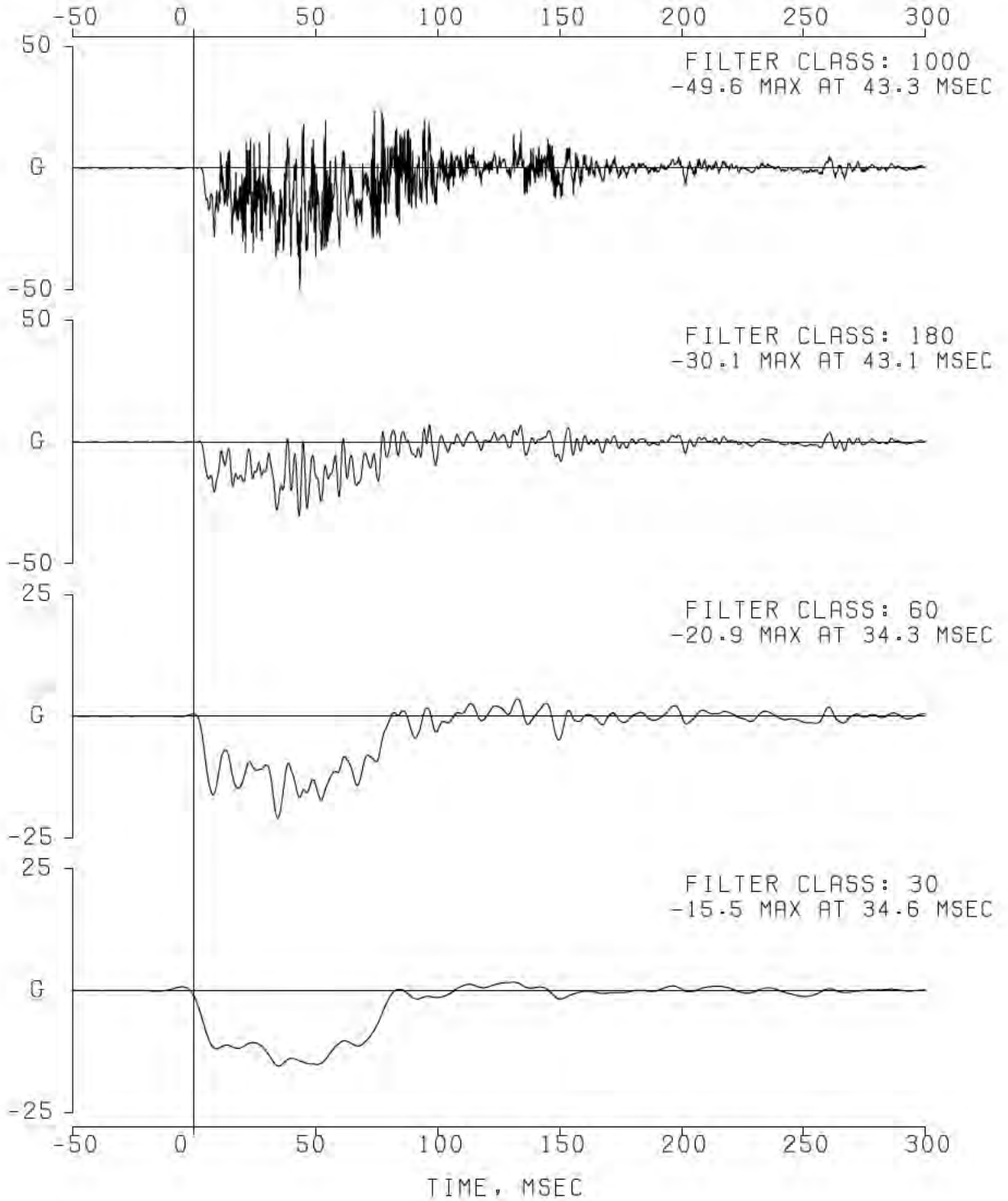


COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 008 RIGHT REAR SILL Z ETBB78B
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17,2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 009 SENSOR LT FRT C/Z MI X P19261
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17, 2004 ERRATA 1

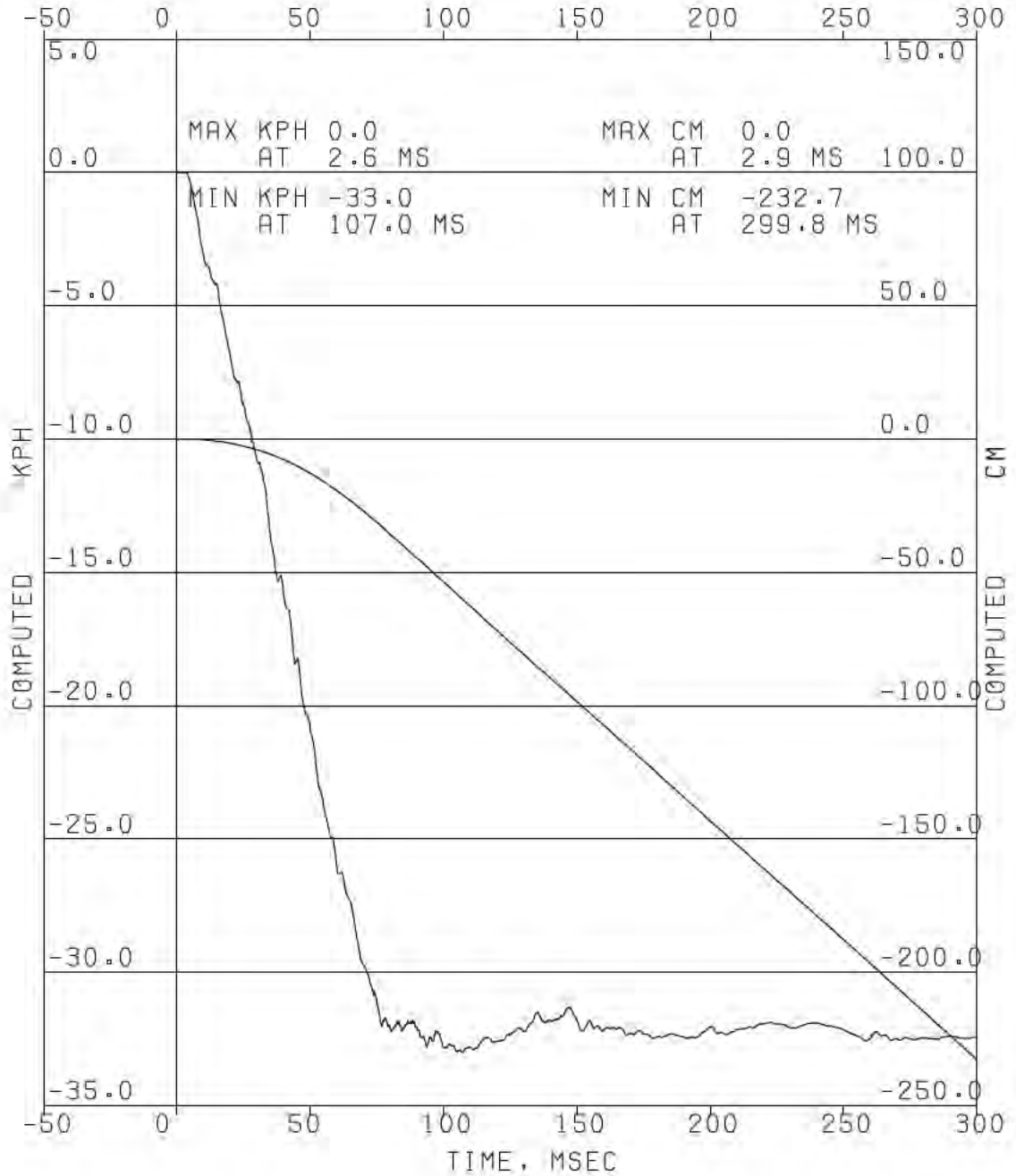


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 009 SENSOR LT FRT C/Z MI X P19261

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

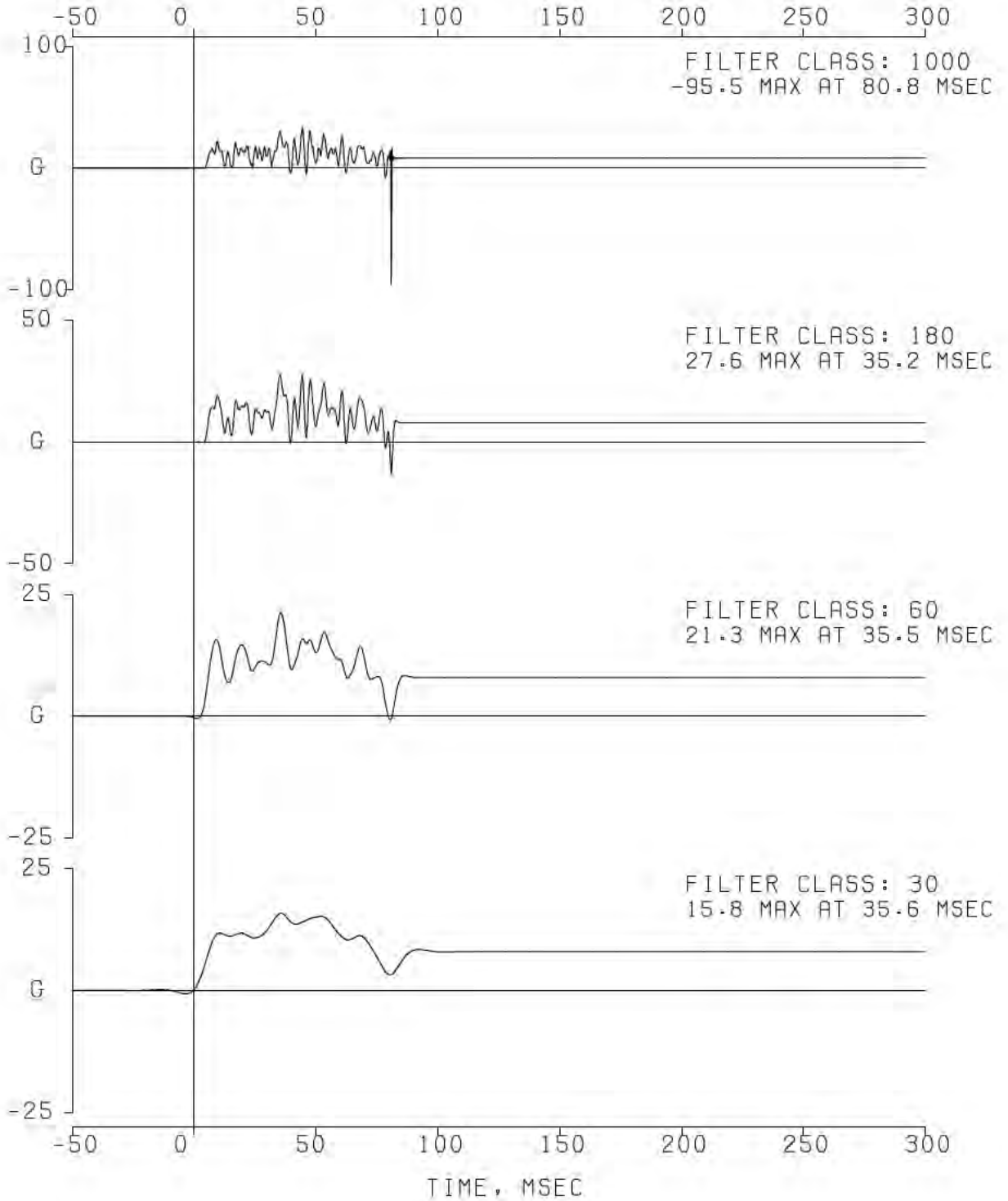
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BA
ERRATA 1

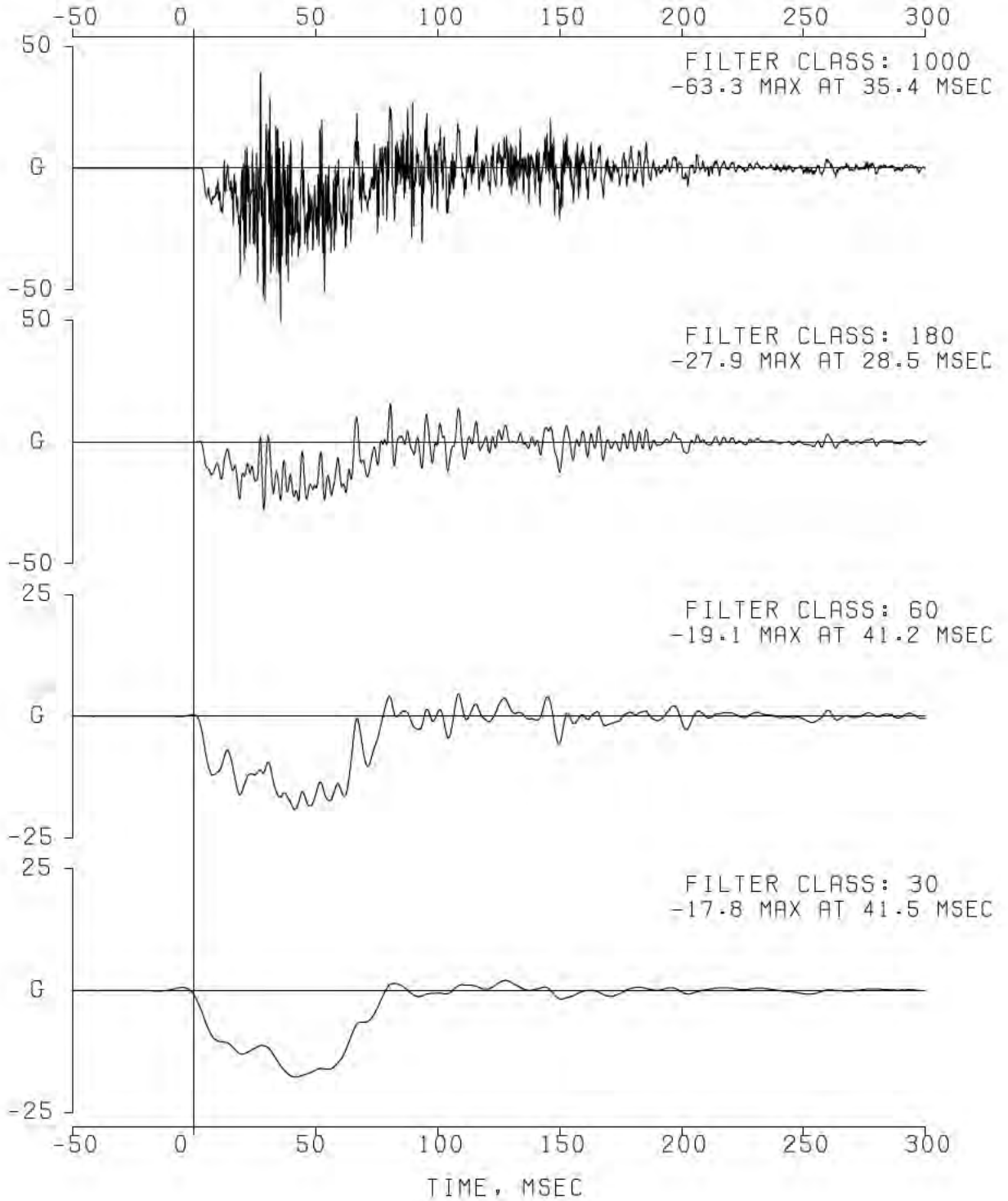


COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 010 CZS LT FRT INT ACC G EE
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17, 2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 011 SENSOR RT FRT C/Z MI X P24740
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17,2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 011 SENSOR RT FRT C/Z MI X P24740

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

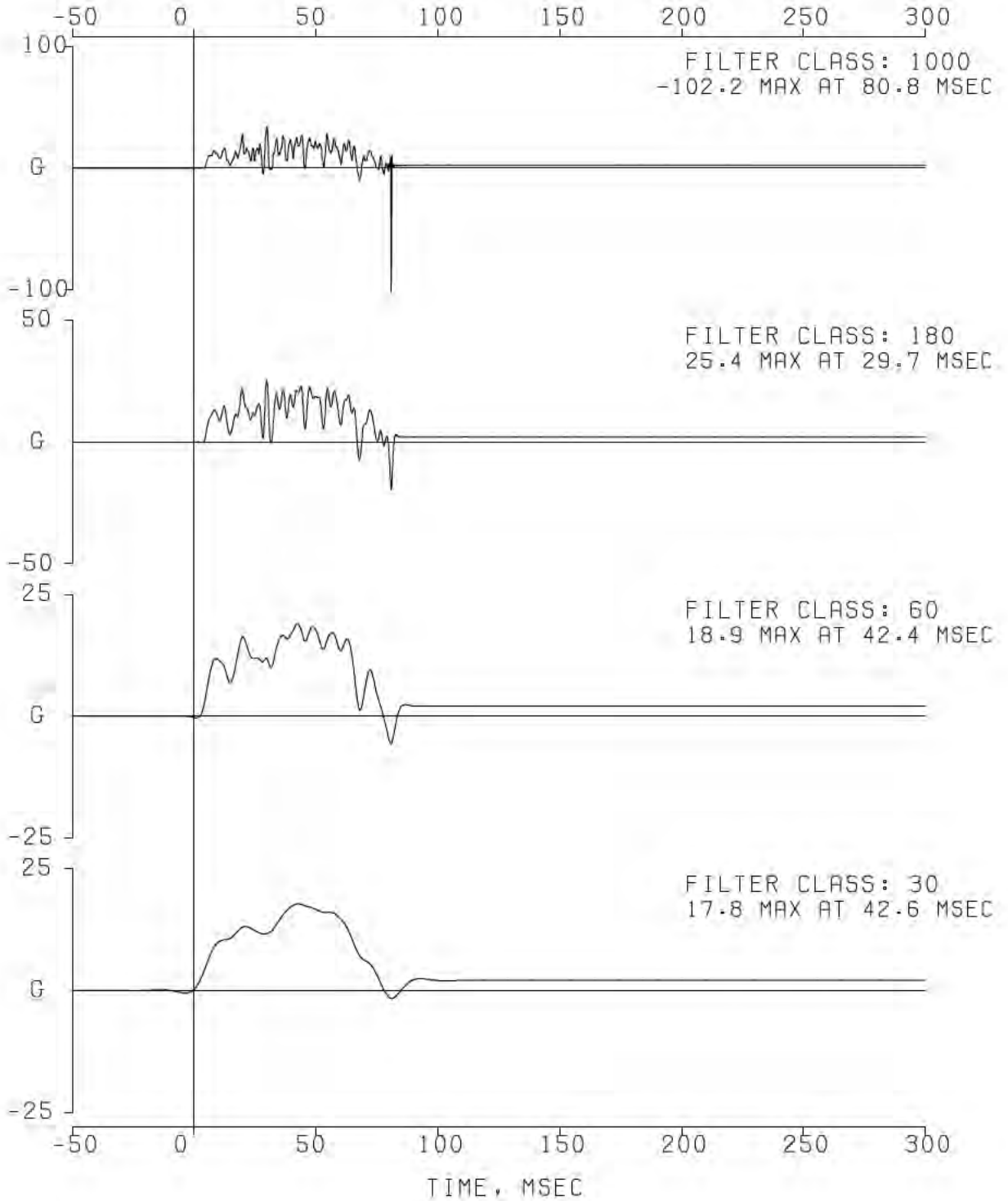
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BA
ERRATA 1

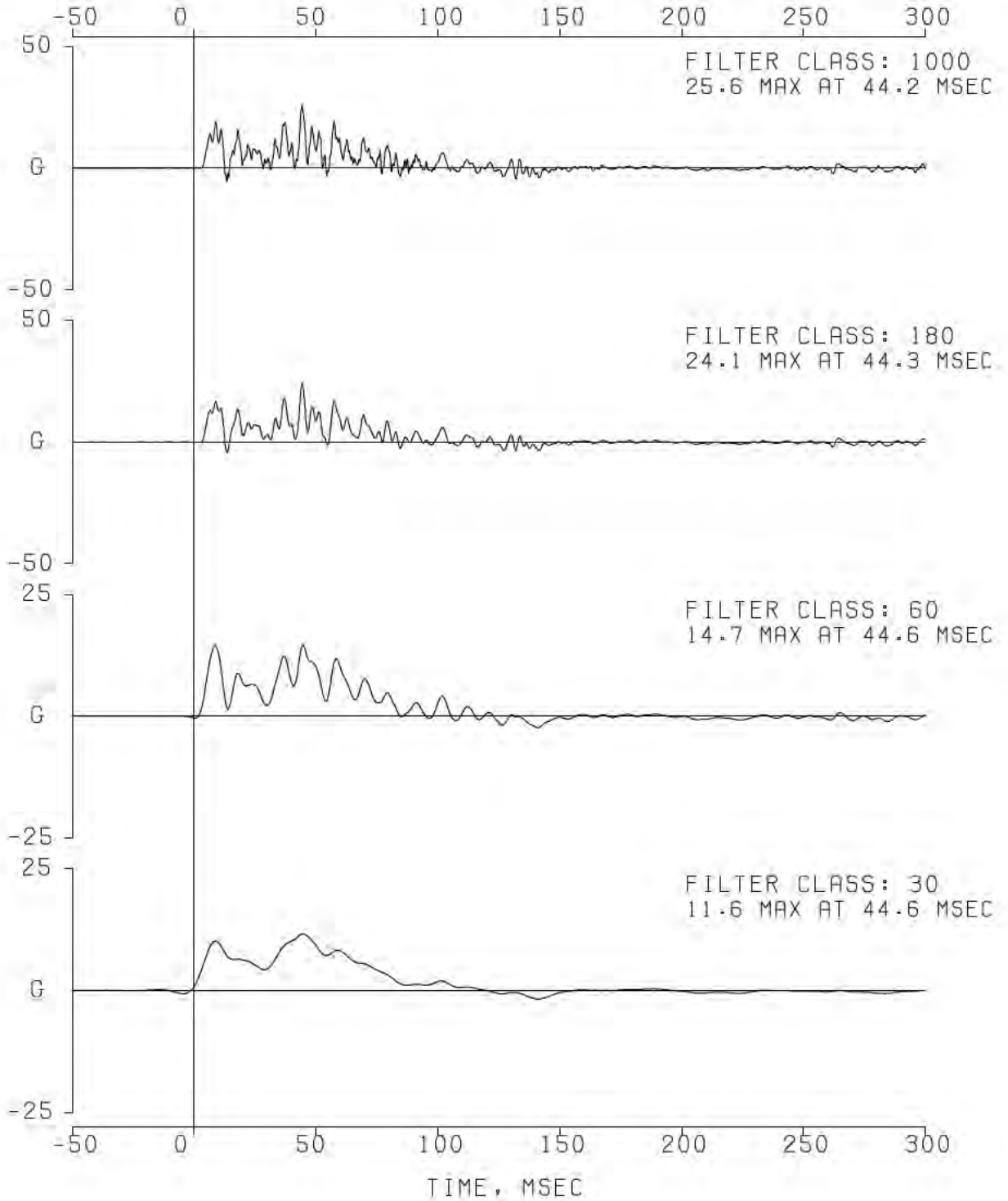


COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 012 CZS RT FRT INT ACC G EE
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BA
JUN 17, 2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 021 AECM INTERNAL #1 ACC G
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BB
JUN 17,2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181

05 WK, USA 301-OFFSET COMPLIANCE TEST

CHANNEL 022 AECM INTERNAL #2 ACC G

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)

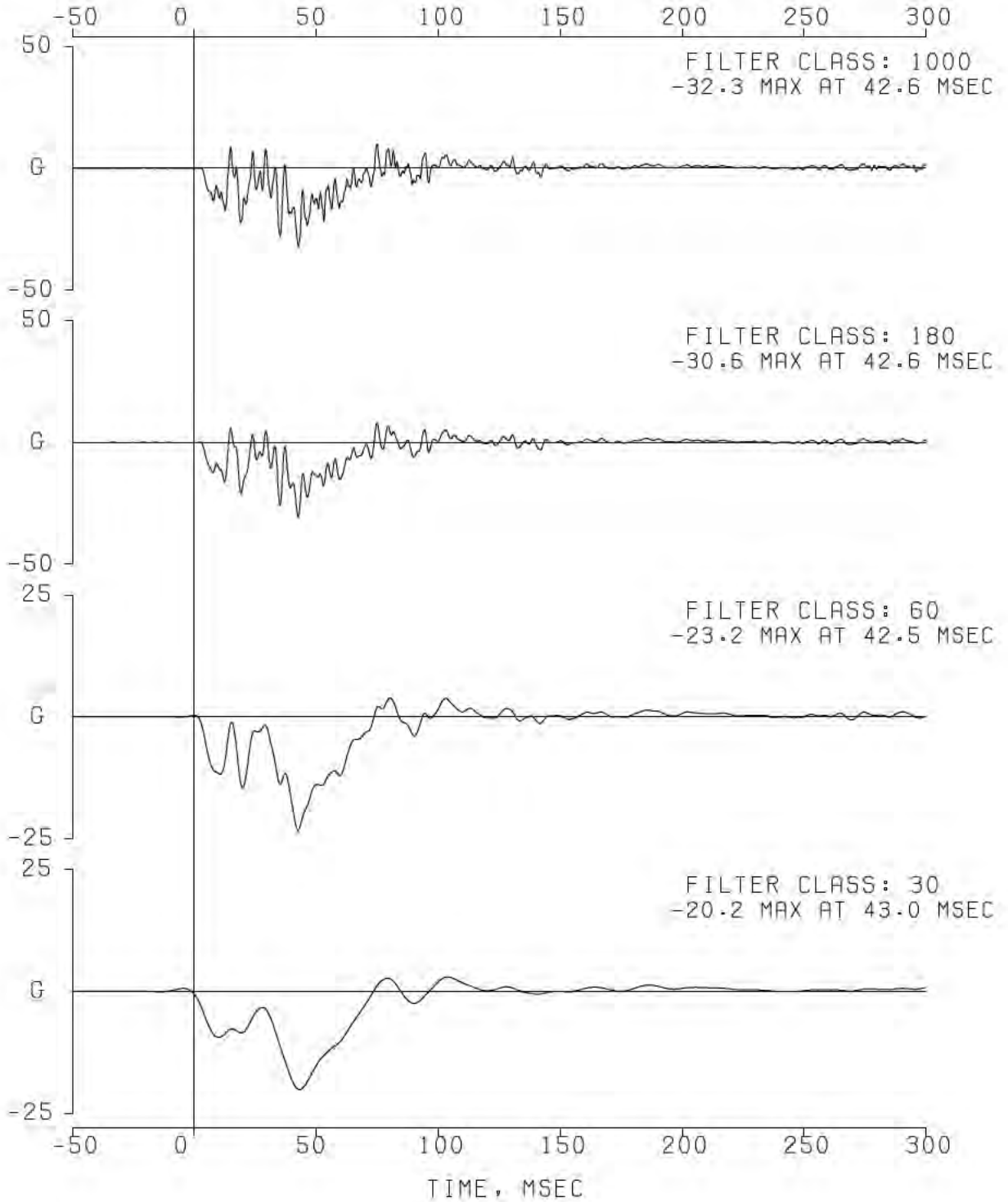
IMPACT ANALYSIS DEPT. 5320

DATA SET 06/17/04BB

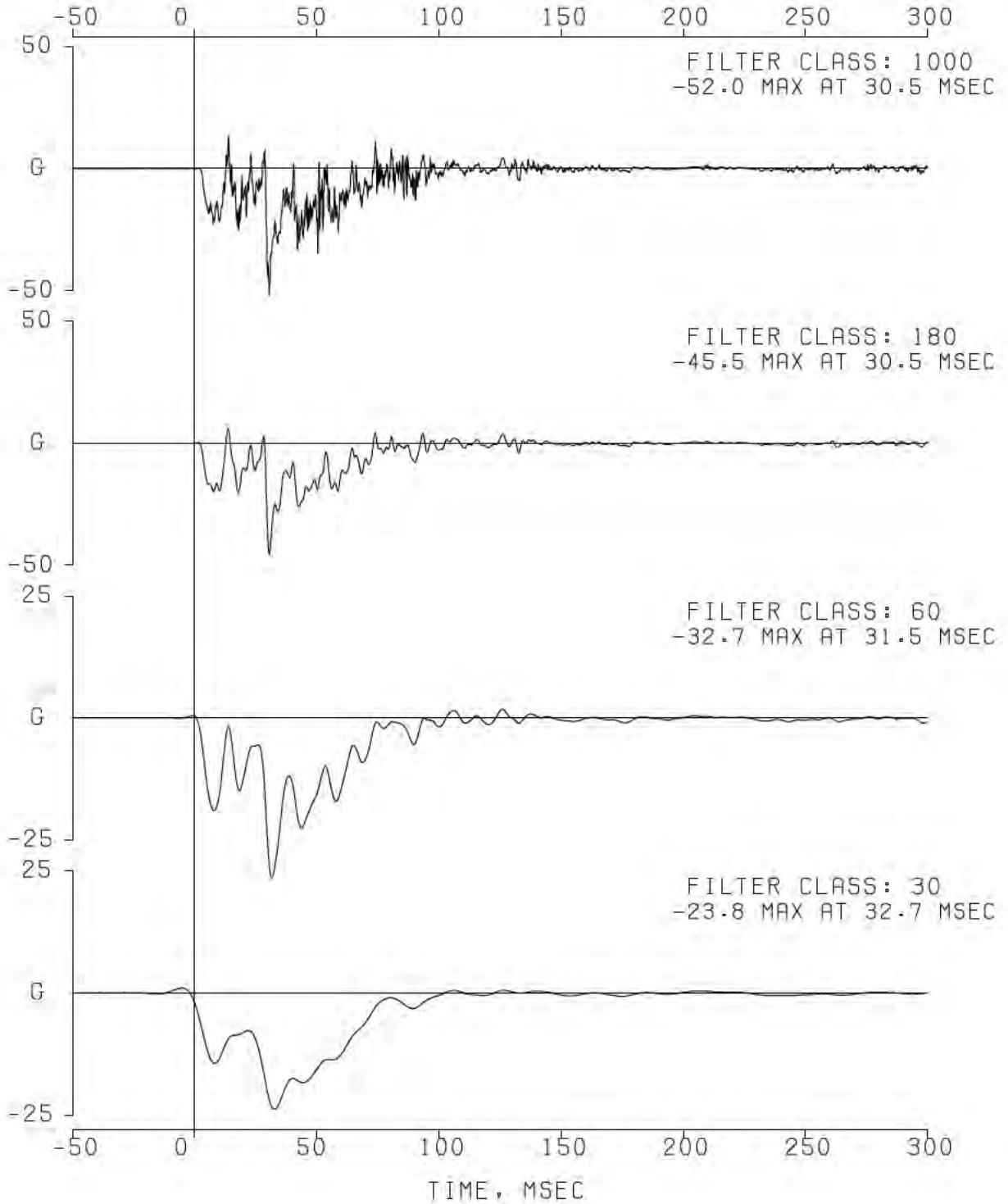
JUN 17, 2004

ERRATA

1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 023 AECM LT REAR CORNER X P17579
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BB
JUN 17,2004 ERRATA 1

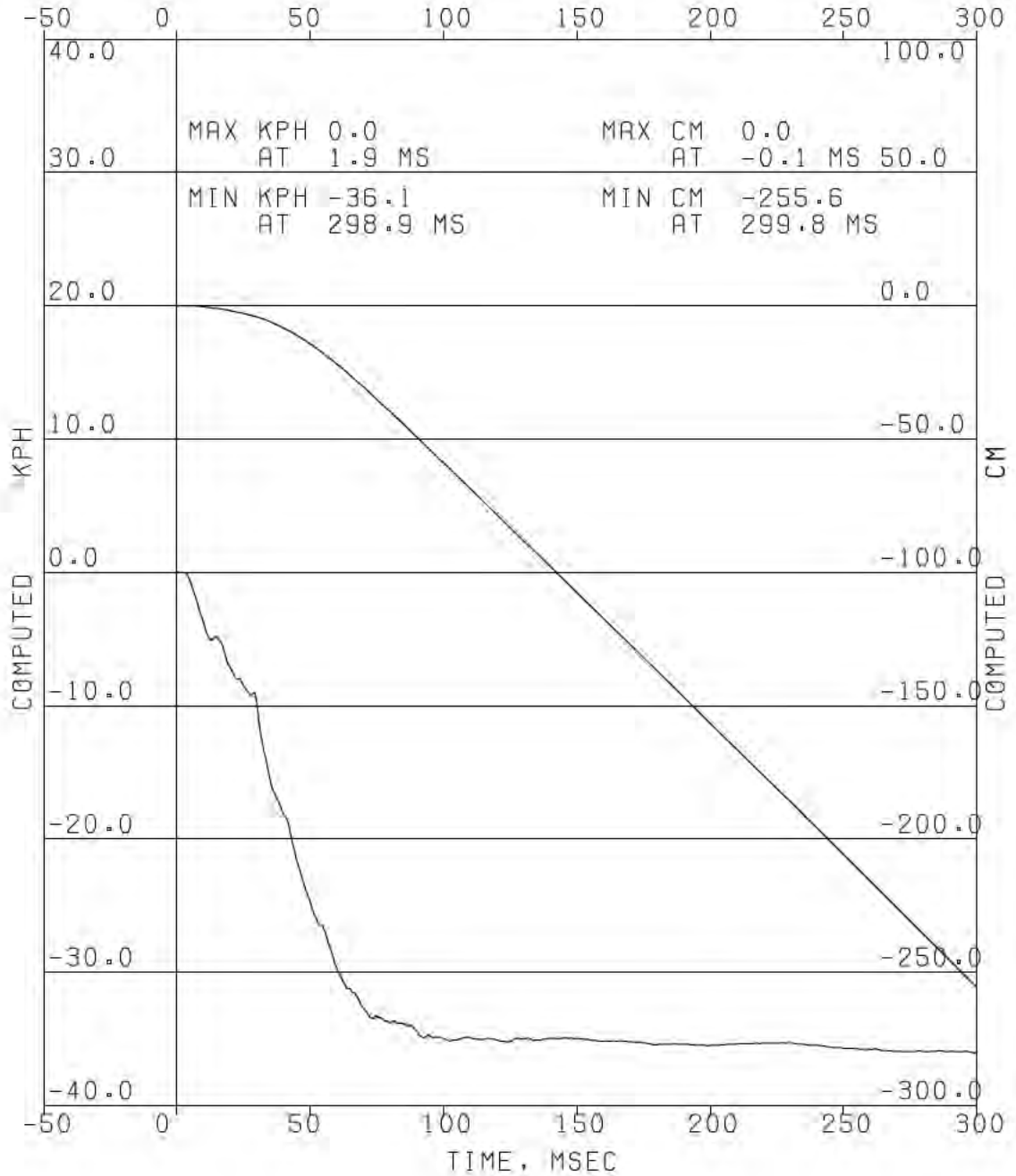


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 023 AECM LT REAR CORNER X P17579

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

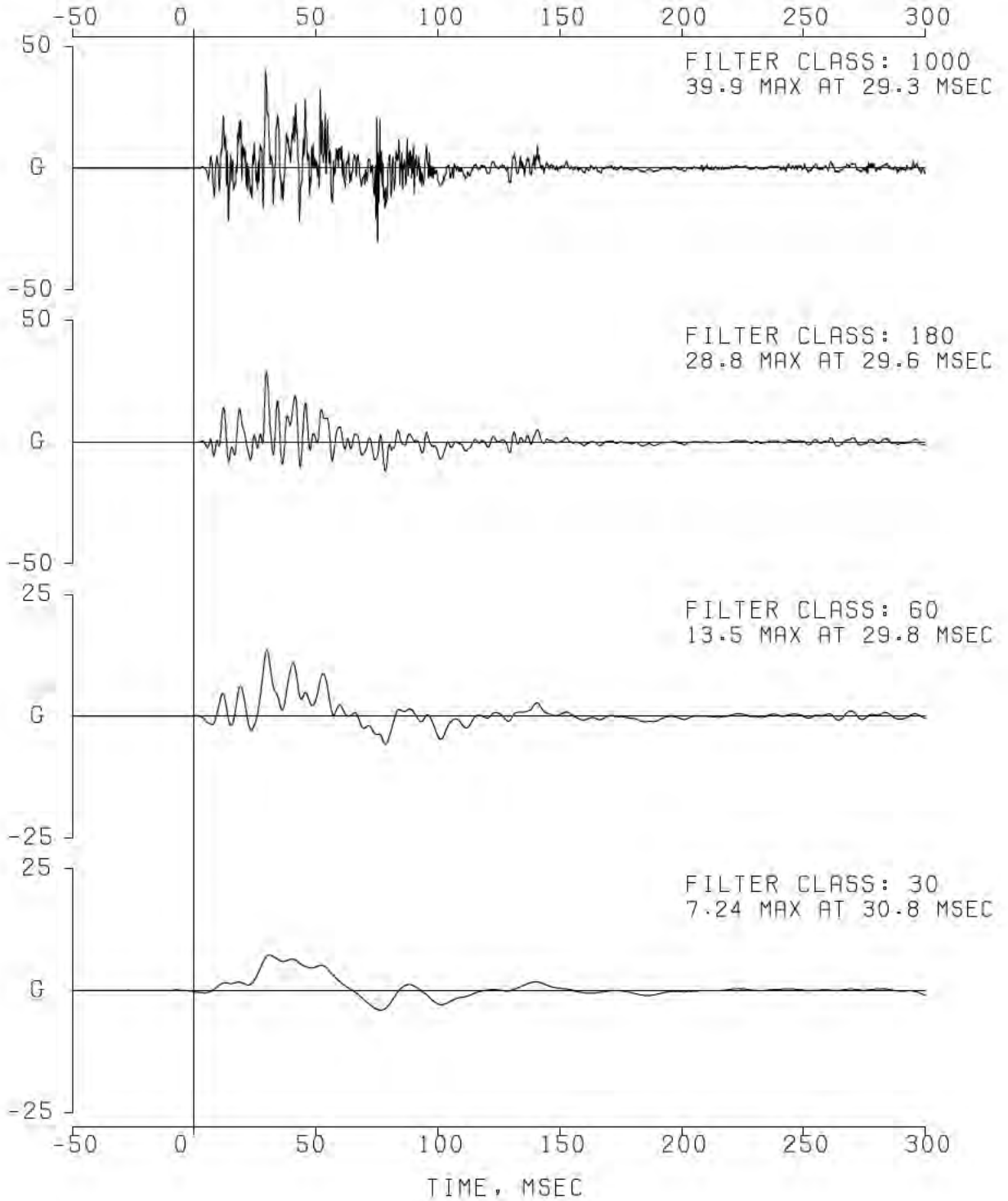
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BB
ERRATA 1

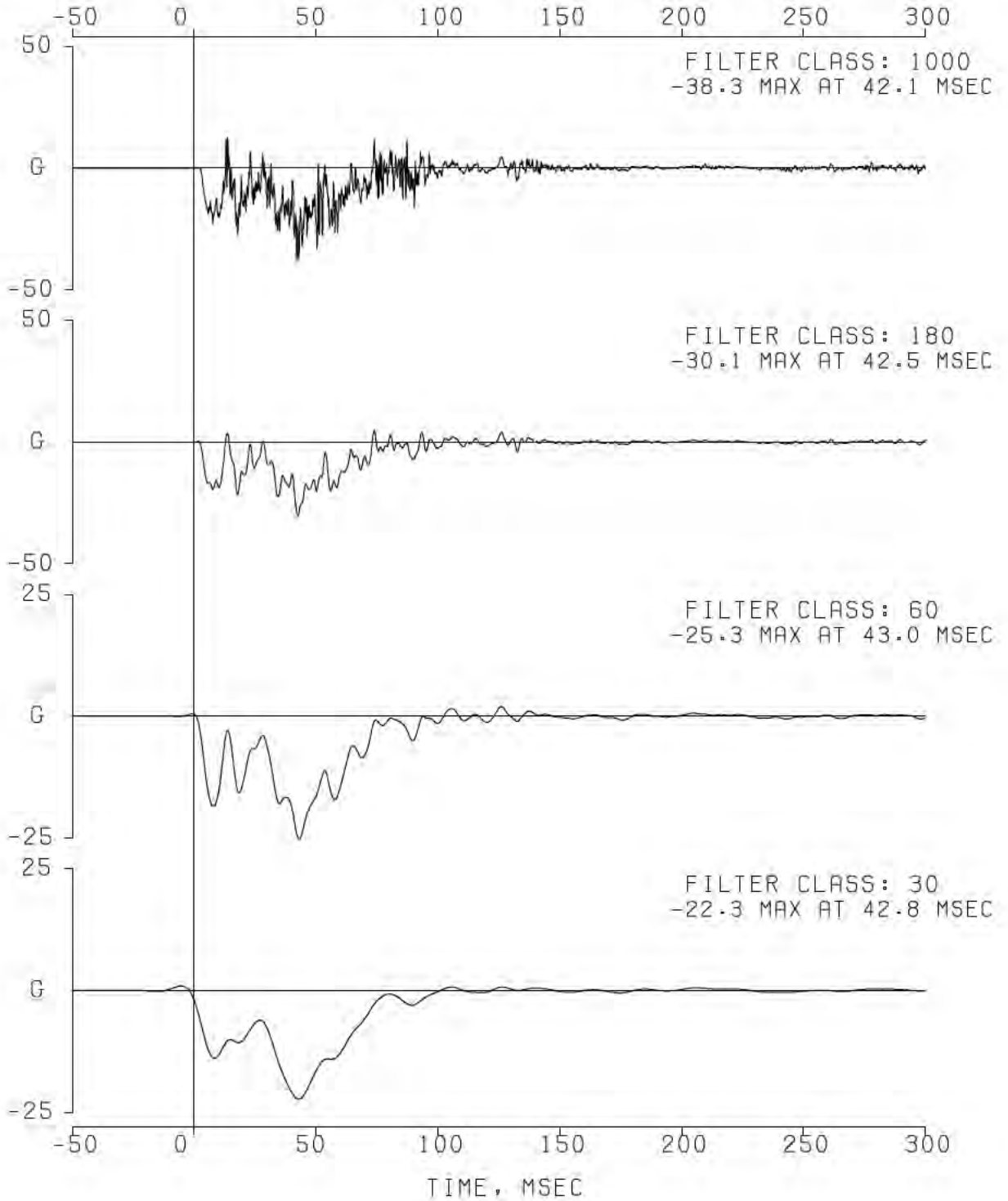


COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 024 AECM LT REAR CORNER Y P17339
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BB
JUN 17,2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 025 AECM RT REAR CORNER X P23881
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BB
JUN 17, 2004 ERRATA 1

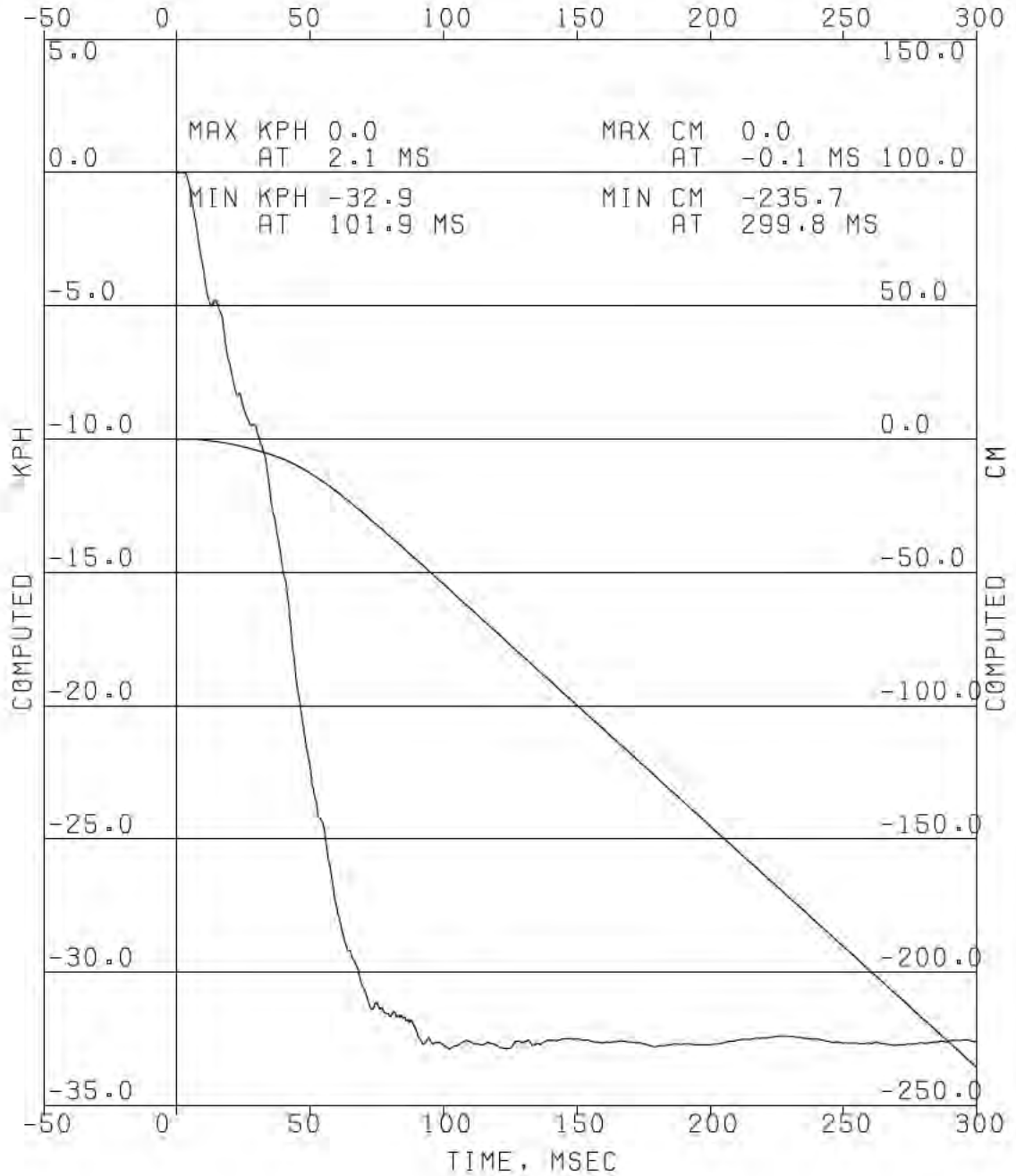


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 025 AECM RT REAR CORNER X P23881

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

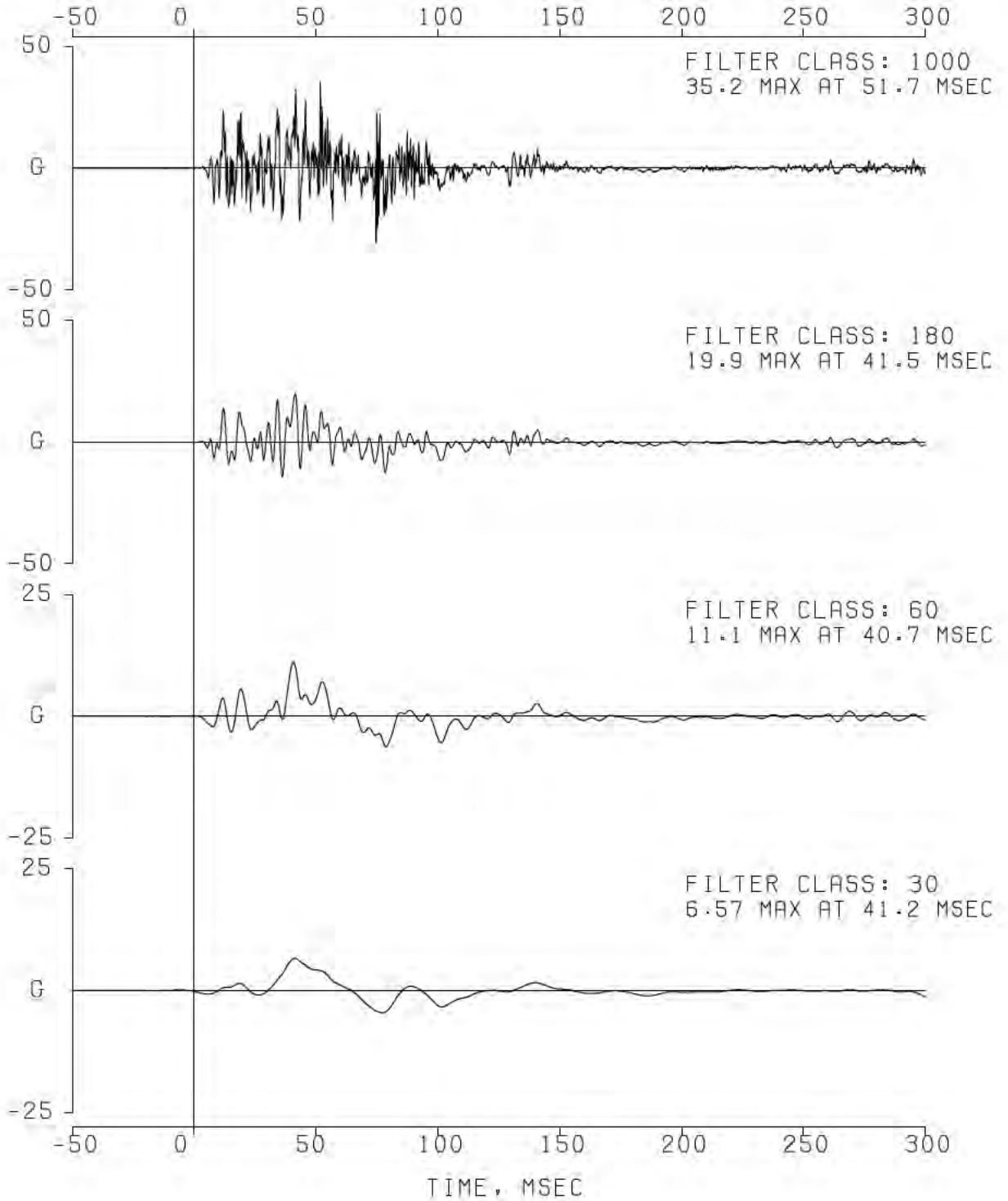
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BB
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 026 AECM RT REAR CORNER Y P24285
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BB
JUN 17,2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181

05 WK, USA 301-OFFSET COMPLIANCE TEST

CHANNEL 027 AECM EXT BRACKET RT X P15566

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)

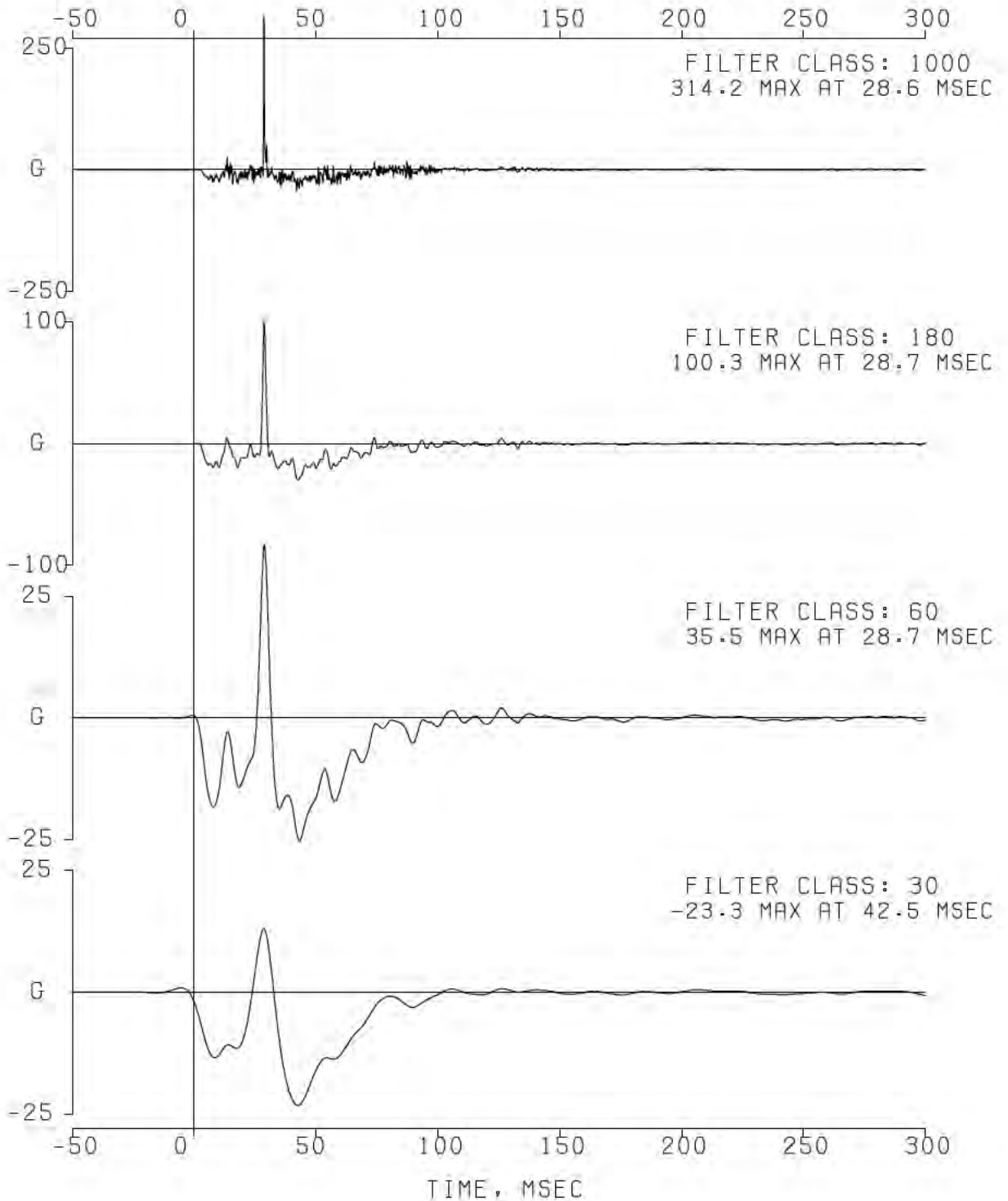
IMPACT ANALYSIS DEPT. 5320

DATA SET 06/17/04BB

JUN 17,2004

ERRATA

1

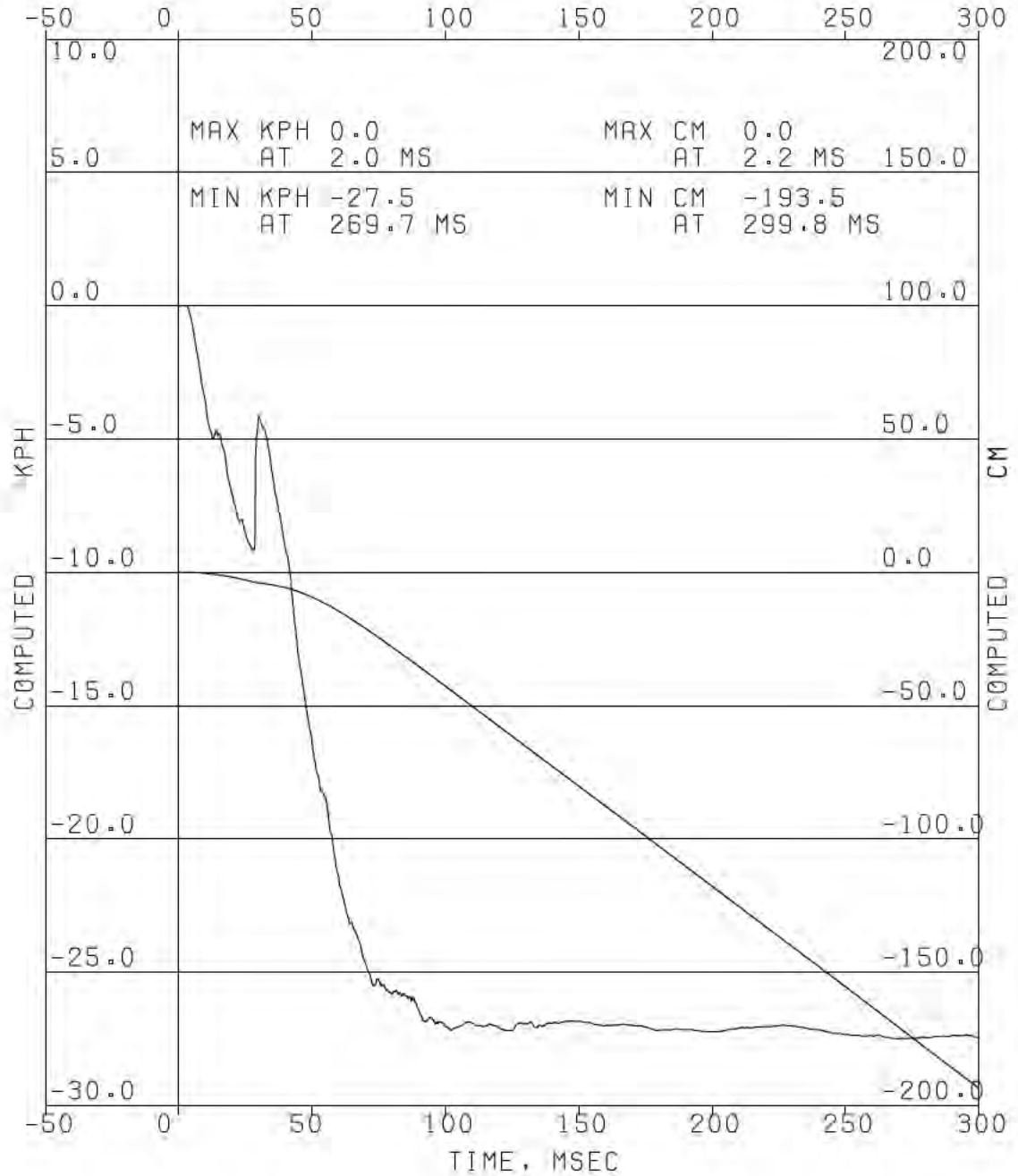


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 027 AECM EXT BRACKET RT X P15566

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

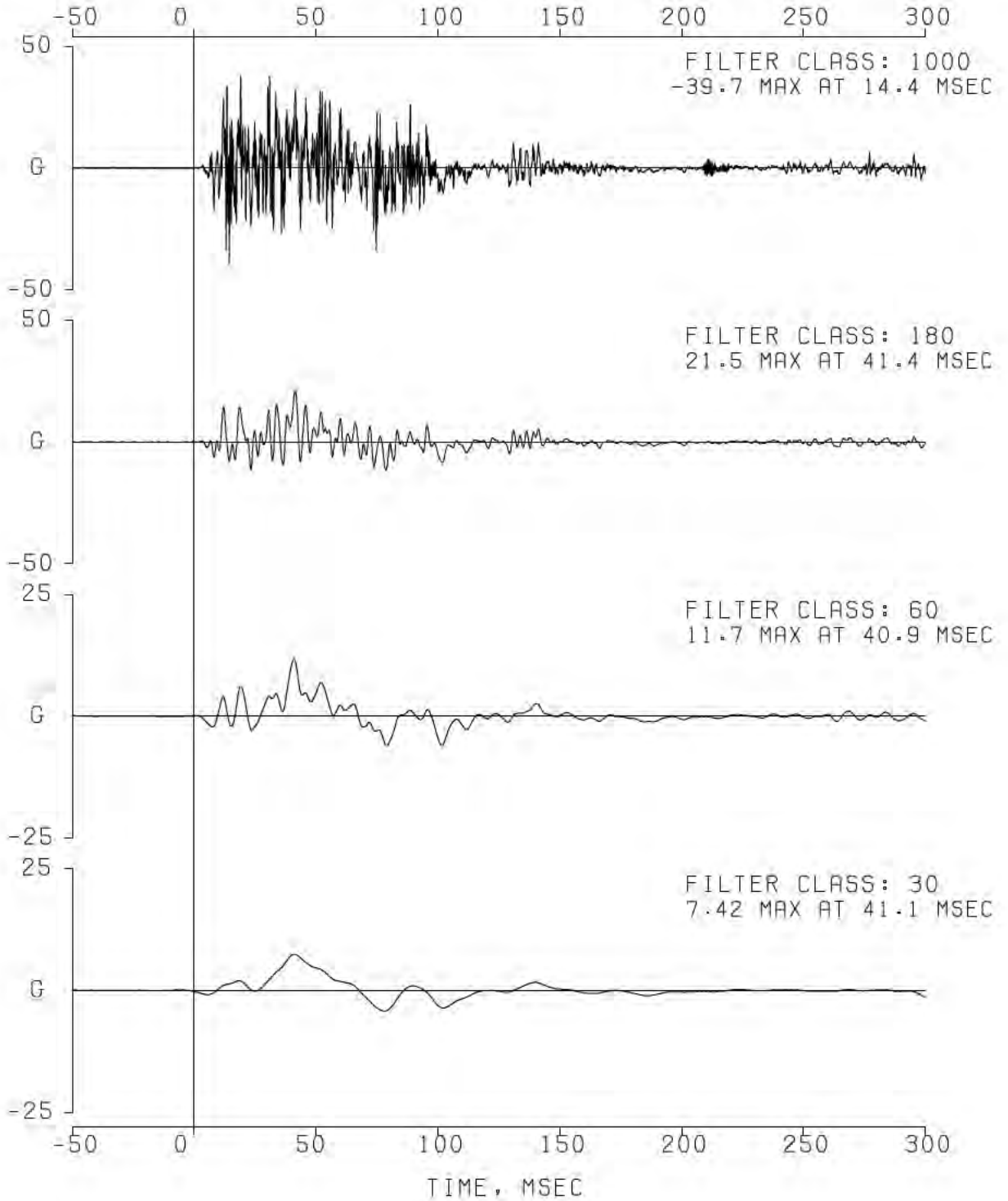
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BB
ERRATA 1

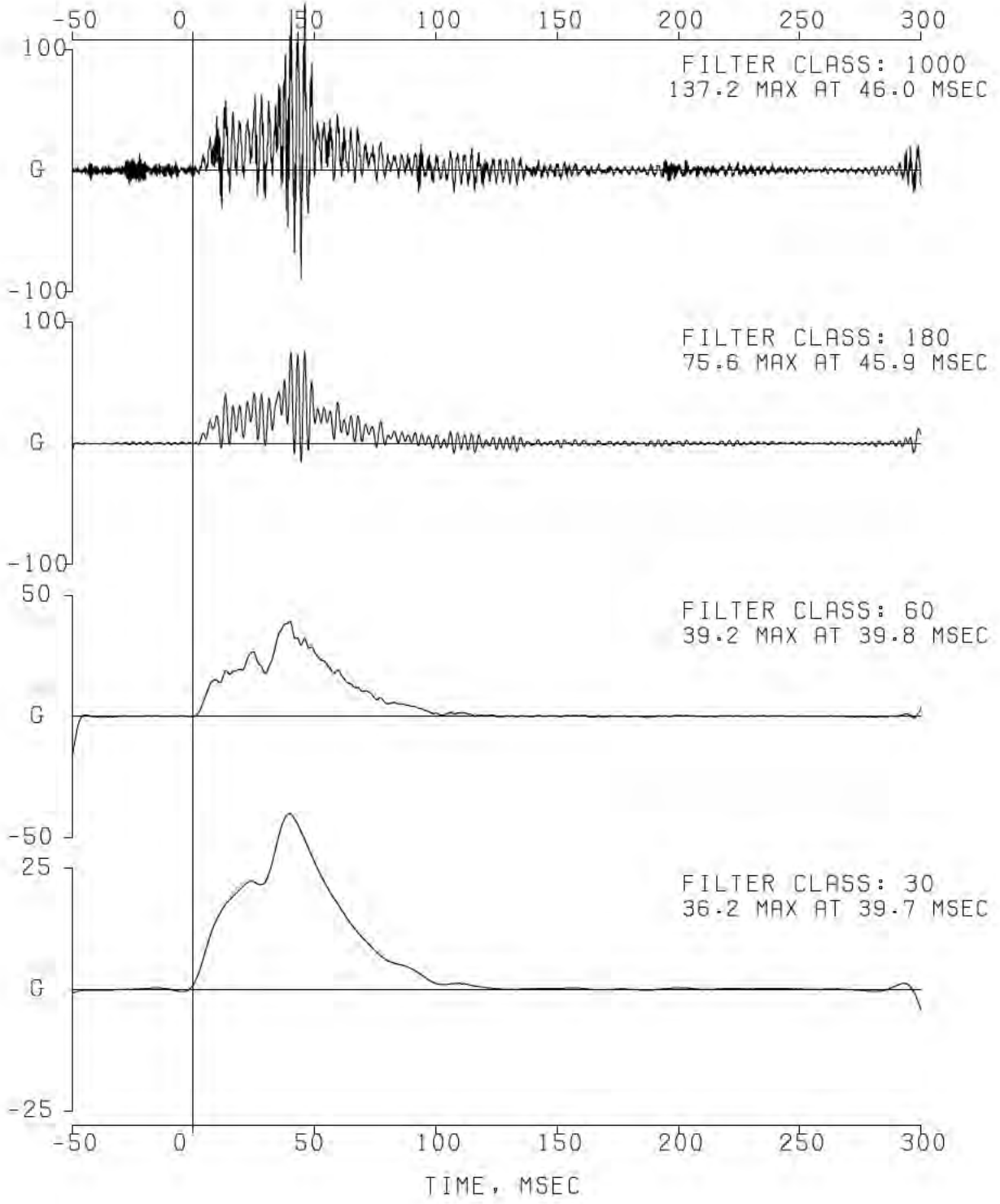


COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 028 AECM EXT BRACKET RT Y P24157
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BB
JUN 17, 2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 033 M-ADJ FRONT XMBR X ETBB767
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BC
JUN 17,2004 ERRATA 1

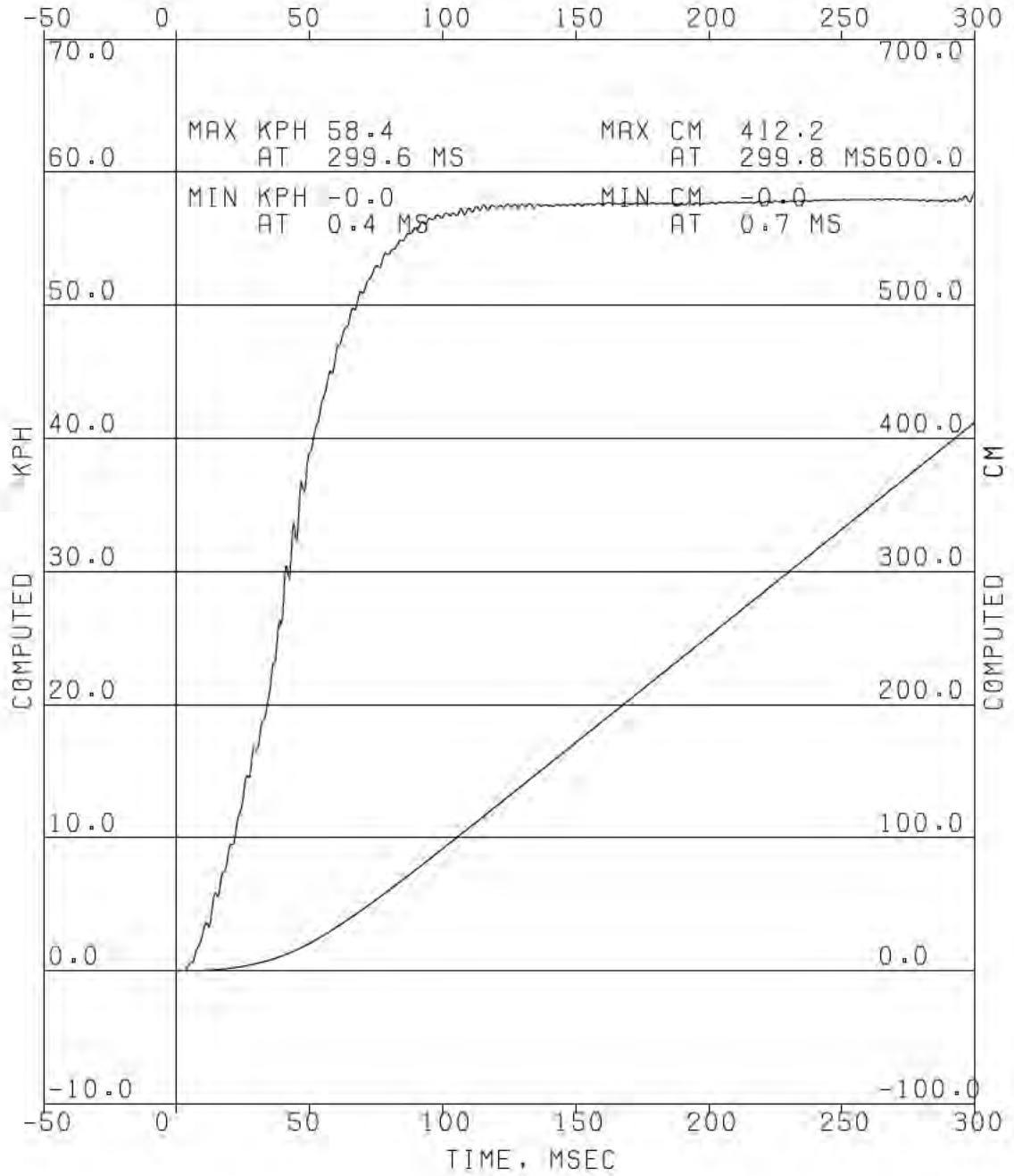


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 033 M-ADJ FRONT XMBR X ETBB767

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

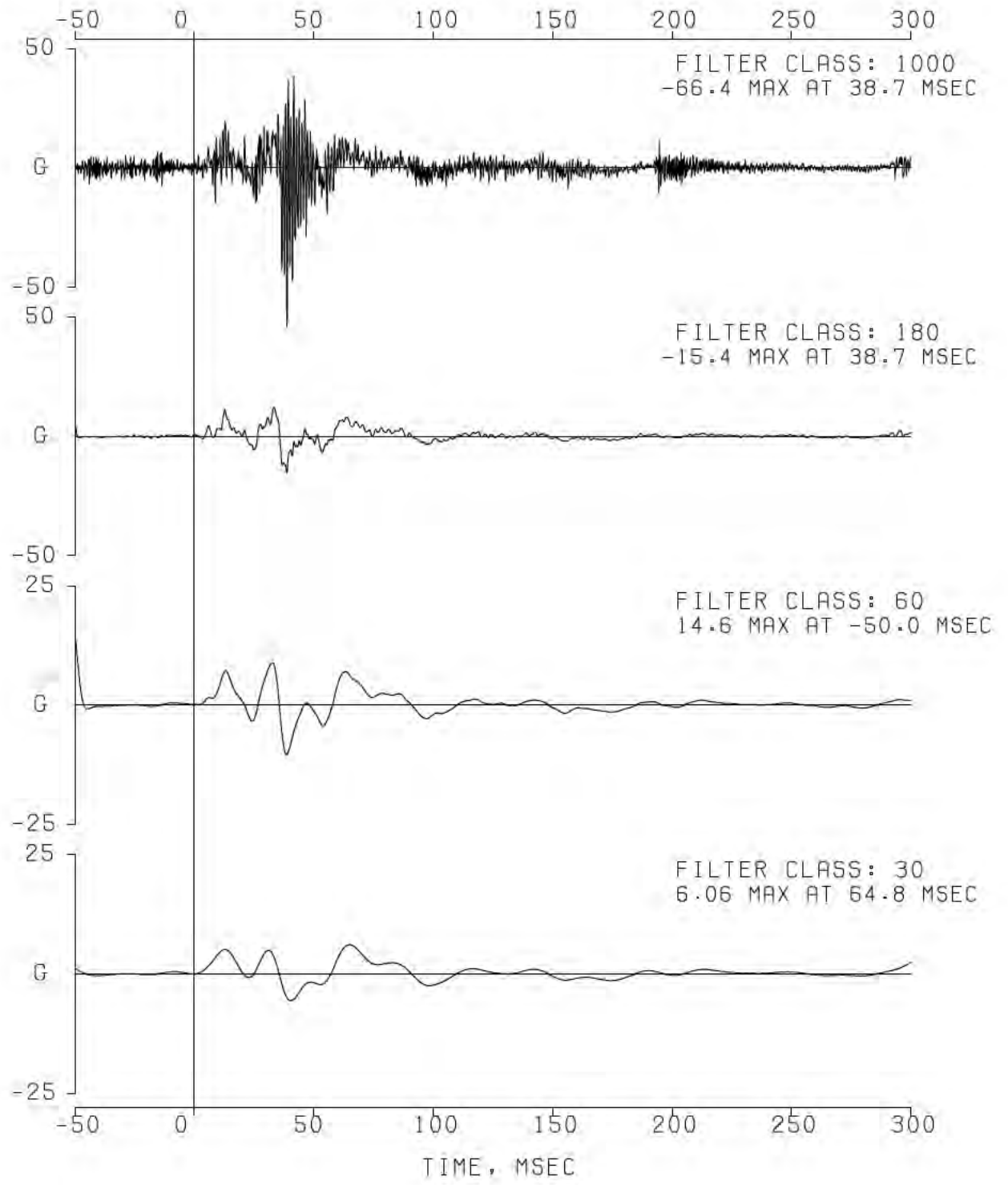
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BC
ERRATA 1

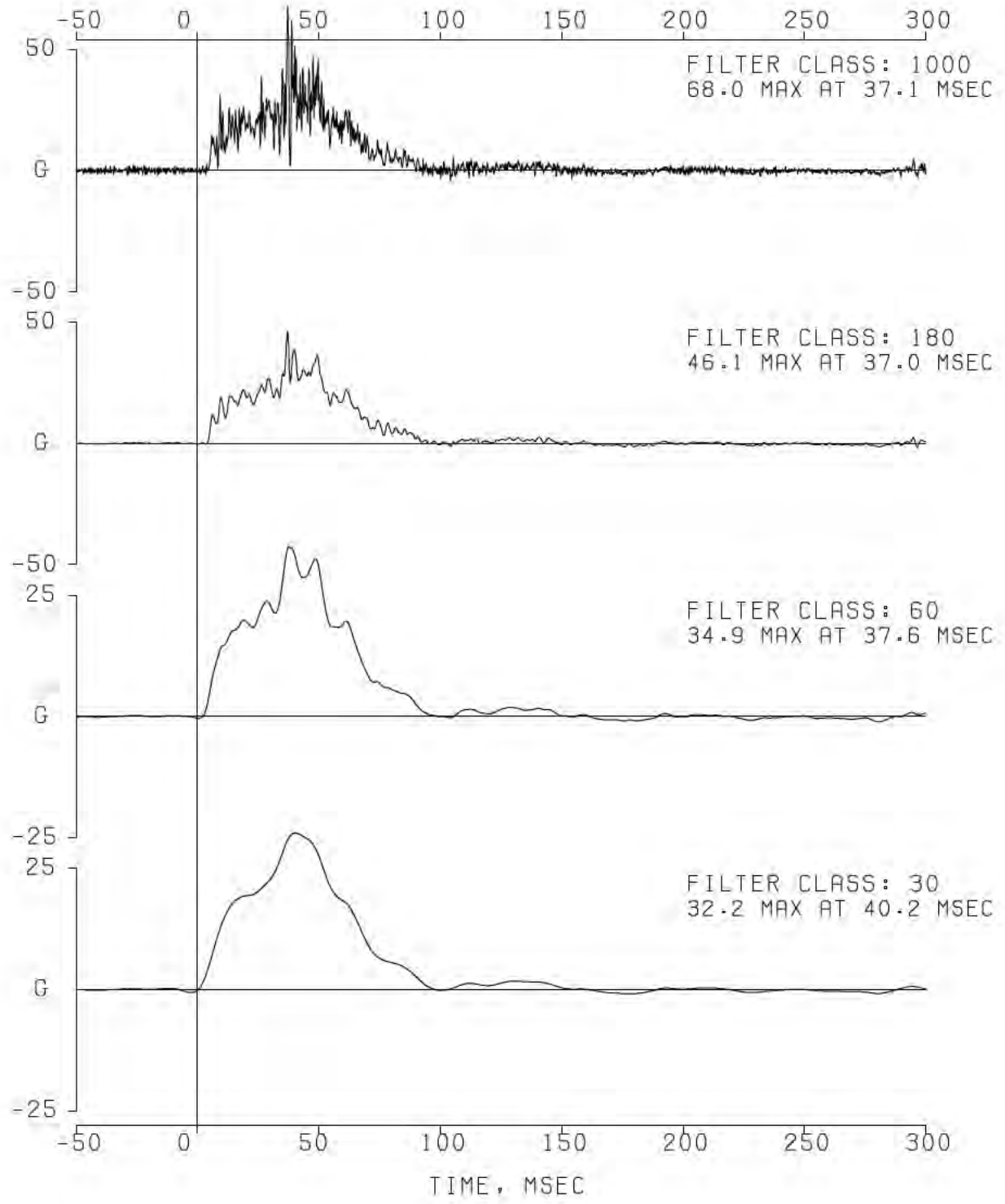


COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 034 M-ADJ FRONT XMBR Y ETBB769
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BC
JUN 17,2004 ERRATA 1



VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 035 M-ADJ LT RAIL MID X ETBB775
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BC
JUN 17,2004 ERRATA 1

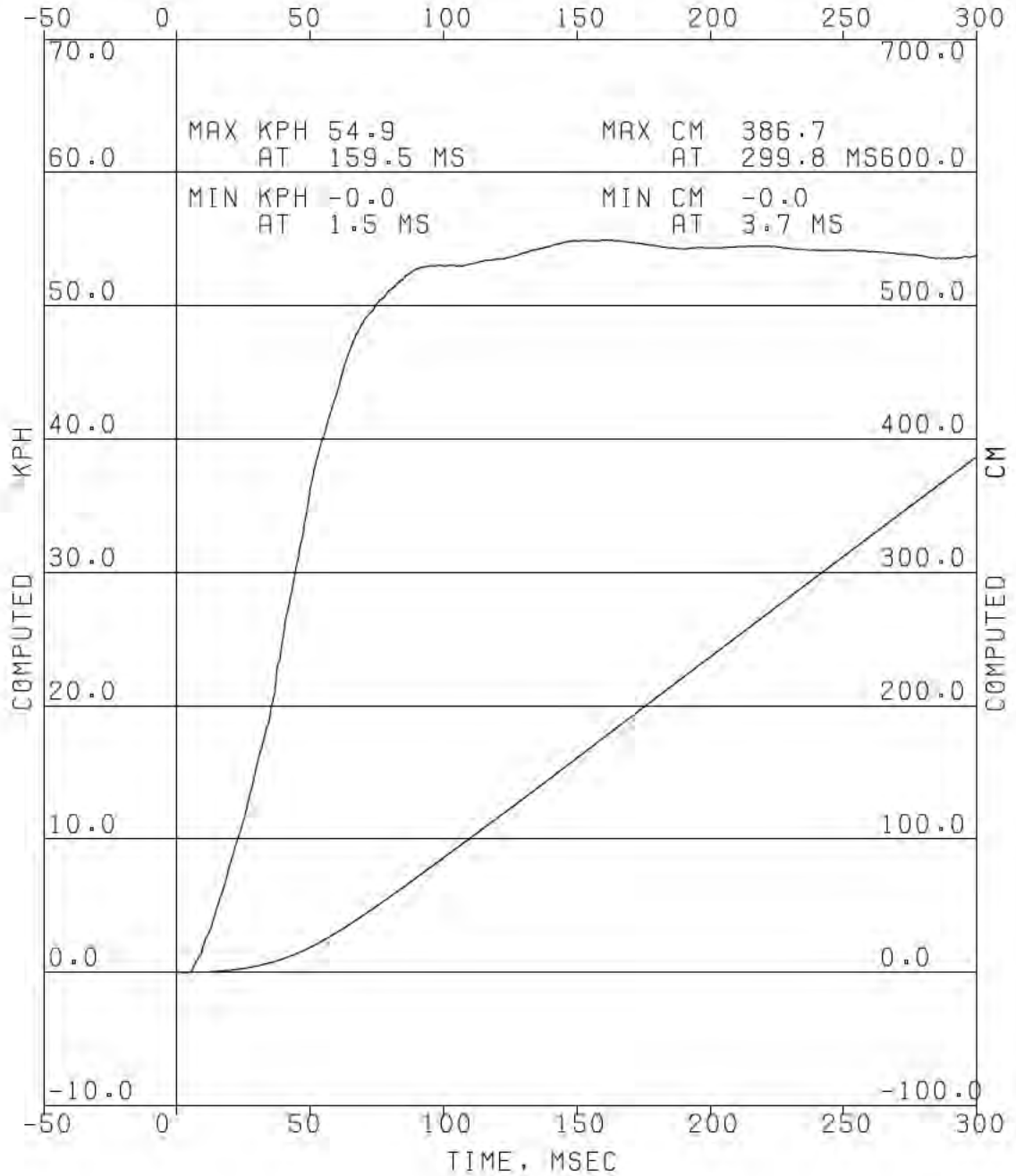


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 035 M-ADJ LT RAIL MID X ETBB775

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

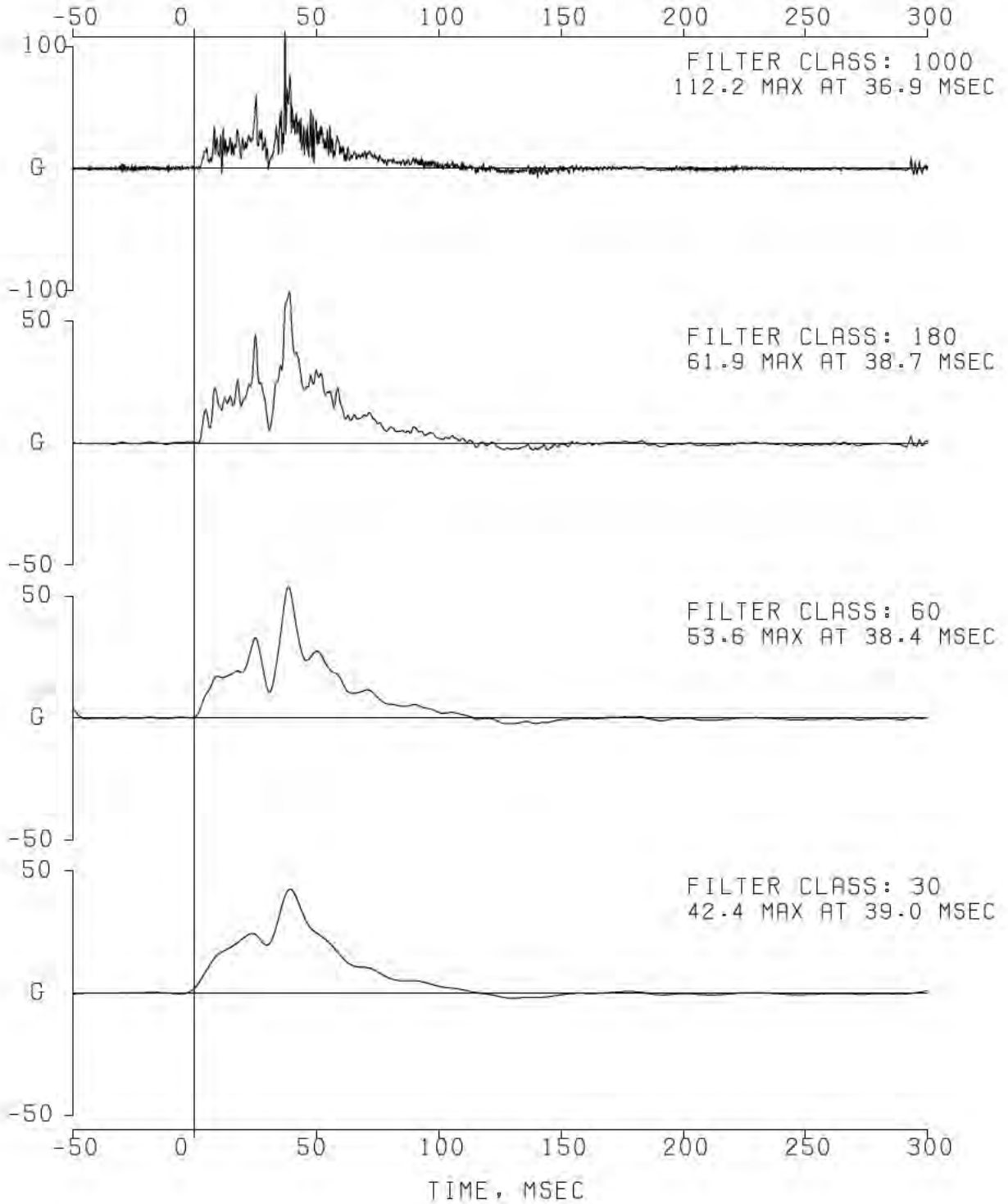
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 036 M-ADJ RT RAIL MID X ETBB779
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BC
JUN 17,2004 ERRATA 1

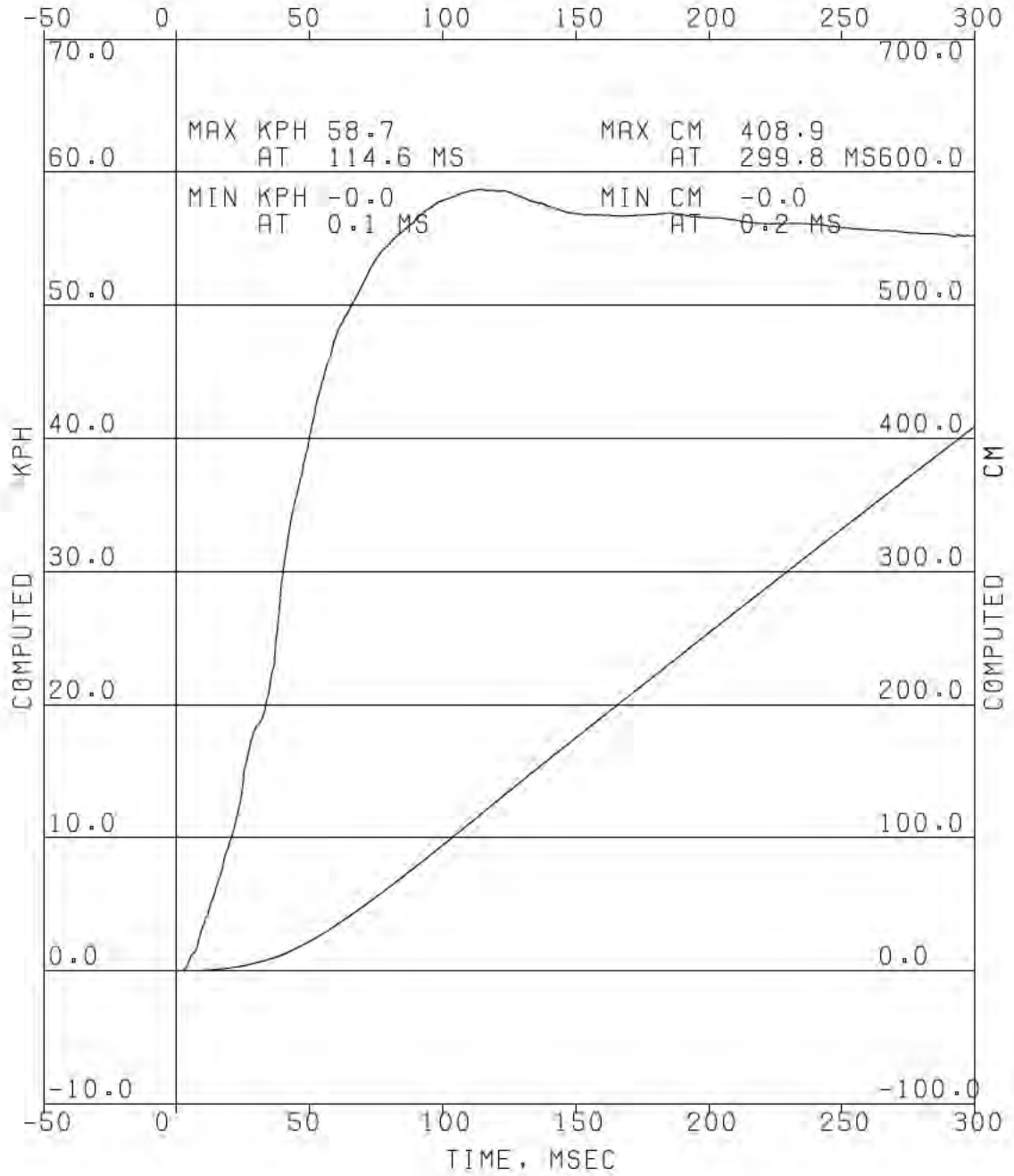


VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 036 M-ADJ RT RAIL MID X ETBB779

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

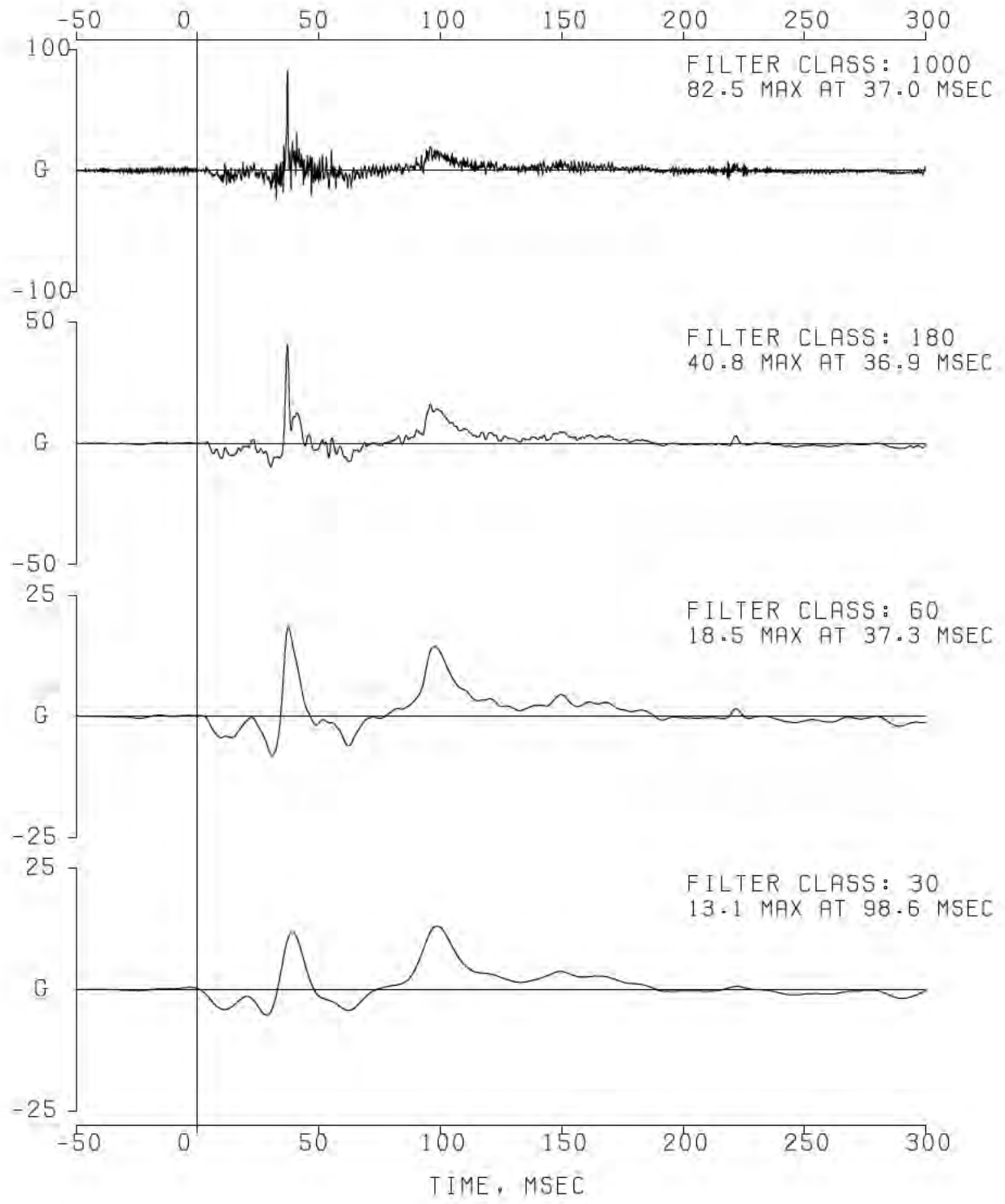
IMPACT ANALYSIS DEPT. 5320
JUN 17, 2004

DATA SET 06/17/04BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
CHANNEL 037 M-ADJ REAR XMBR Y P14991
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 06/17/04BC
JUN 17,2004 ERRATA 1



TITLE: Page Index of EDP plots Pages 001 - 044
***** VC11822A ***** Page I-01

TITLE: Transducer Summary Reports Pages 001 - 005
SYSTEM: METRIC
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 - 037

***** VC11822B *****

TITLE: Vehicle Channels Pages 006 - 044
SYSTEM: METRIC
PAGE: 006 Average of Sill Chls 1, 3, 5, & 7
PAGE: 007 Average of Frt Sill Chls 1 & 3
PAGE: 008 LEFT FRONT SILL X, Chl 1
PAGE: 009 LEFT FRONT SILL X, Chl 1, VD
PAGE: 010 LEFT FRONT SILL Z, Chl 2
PAGE: 011 RIGHT FRONT SILL X, Chl 3
PAGE: 012 RIGHT FRONT SILL X, Chl 3, VD
PAGE: 013 RIGHT FRONT SILL Z, Chl 4
PAGE: 014 LEFT REAR SILL X, Chl 5
PAGE: 015 LEFT REAR SILL X, Chl 5, VD
PAGE: 016 LEFT REAR SILL Z, Chl 6
PAGE: 017 RIGHT REAR SILL X, Chl 7
PAGE: 018 RIGHT REAR SILL X, Chl 7, VD
PAGE: 019 RIGHT REAR SILL Z, Chl 8
PAGE: 020 SENSOR LT FRT C/Z MI X, Chl 9
PAGE: 021 SENSOR LT FRT C/Z MI X, Chl 9, VD
PAGE: 022 CZS LT FRT INT ACC G, Chl 10
PAGE: 023 SENSOR RT FRT C/Z MI X, Chl 11
PAGE: 024 SENSOR RT FRT C/Z MI X, Chl 11, VD
PAGE: 025 CZS RT FRT INT ACC G, Chl 12
PAGE: 026 AECM INTERNAL #1 ACC G, Chl 21
PAGE: 027 AECM INTERNAL #2 ACC G, Chl 22
PAGE: 028 AECM LT REAR CORNER X, Chl 23
PAGE: 029 AECM LT REAR CORNER X, Chl 23, VD
PAGE: 030 AECM LT REAR CORNER Y, Chl 24
PAGE: 031 AECM RT REAR CORNER X, Chl 25
PAGE: 032 AECM RT REAR CORNER X, Chl 25, VD
PAGE: 033 AECM RT REAR CORNER Y, Chl 26
PAGE: 034 AECM EXT BRACKET RT X, Chl 27
PAGE: 035 AECM EXT BRACKET RT X, Chl 27, VD
PAGE: 036 AECM EXT BRACKET RT Y, Chl 28
PAGE: 037 M-ADJ FRONT XMBR X, Chl 33
PAGE: 038 M-ADJ FRONT XMBR X, Chl 33, VD
PAGE: 039 M-ADJ FRONT XMBR Y, Chl 34
PAGE: 040 M-ADJ LT RAIL MID X, Chl 35
PAGE: 041 M-ADJ LT RAIL MID X, Chl 35, VD
PAGE: 042 M-ADJ RT RAIL MID X, Chl 36
PAGE: 043 M-ADJ RT RAIL MID X, Chl 36, VD
PAGE: 044 M-ADJ REAR XMBR Y, Chl 37

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
TEST DATE 06/17/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-OFFSET COMPLIANCE

IMPACT TYPE TARGET SPEED; 80.0 KPH
DAMAGE LOCATION; REAR LEFT
BARRIER TYPE; REAR TYPE V ADJUSTABLE
BARRIER SURFACE; PLASCORE

VEHICLE BODY CLASS; WK
CAR LINE; NONE
BODY; 74
ENGINE; EVA
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8HR58N05C [REDACTED]
VIN AS BUILT; 1J8HR58N05C [REDACTED]

TEST SPEED 80.83 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 2468.94 TOTAL, 1385.29 FRONT, 1083.65 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-47
RESTRAINT- A/B + UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-70
RESTRAINT- A/B + UNIBELT

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
TEST DATE 06/17/04
TEST SITE CPG
BUILD CONDITION

ORIGINAL BUILD:

2005 S1 WK LIMITEDPOWER / LEATHER SEATS.ADJUSTABLE
PEDALS.FULL-SIZE SPARE TIRE.TRAILER HITCH.GRAINED
INSTRUMENT PANEL TOP COVER WITH NEXPRENE PAB CHUT
E.PRODUCTION-TOOLED UNGRAINED DRIVER AND PASSENGER
KNEEBLOCKERS.VERTICAL PENCIL BRACKETS ON FRONT HY
DROFORM UPPER CROSSMEMBER.

MODIFIED BUILD:

REPLACED ORC WITH 50G ORC WITH INTERNAL-MONITORING
CAPABILITY.RETROFIT LIFTGATE WITH UPDATED LATCH A
ND HANDLE COMPONENTS (45G, DUAL-SPRING HANDLE + CA
BLE-ACTUATED LATCH).ADDED CLEARANCE NOTCH TO BIW O
N REAR SEAT CROSSMEMBER IN AREA BY FUEL TANK CONTR
OL VALVE.INSTALLED REAR AXLE BOOM DAMPER.REMOVED A
ND DISCARDED TRAILER HITCH.

MODIFIED EMD BUILD:

PURGED FUEL SYSTEM OF GASOLINE AND FILLED WITH 3 G
ALLONS OF STODDARD SOLVENT.

TARGET WEIGHT(KG) 2468.0 TOTAL, 0.0 FRONT, 0.0 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
200 LBS ON LEFT FRONT FLOOR PAN, 200 LBS ON RIGHT
FRONT FLOOR PAN
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

DISTRIBUTION M. STEBELTON 422-05-01 (AB)
R. BORTOLIN 514-17-39 (AB)

DATE 06/17/04 TIME 10:00:38.

DATE 06/17/04
TIME 11:24:58.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11822 ITEM WKJ-4181
VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
TEST DATE 06/17/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-OFFSET COMPLIANCE

IMPACT TYPE TARGET SPEED; 80.0 KPH
DAMAGE LOCATION; REAR LEFT
BARRIER TYPE; REAR TYPE V ADJUSTABLE
BARRIER SURFACE; PLASCORE

VEHICLE BODY CLASS; WK
CAR LINE; NONE
BODY; 74
ENGINE; EVA
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8HR58N05C [REDACTED]
VIN AS BUILT; 1J8HR58N05C [REDACTED]

TEST SPEED 80.83 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT (KG) 2468.94 TOTAL, 1385.29 FRONT, 1083.65 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-47
RESTRAINT- A/B + UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-70
RESTRAINT- A/B + UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005 S1 WK LIMITEDPOWER / LEATHER SEATS.ADJUSTABLE
PEDALS.FULL-SIZE SPARE TIRE.TRAILER HITCH.GRAINED
INSTRUMENT PANEL TOP COVER WITH NEXPRENE PAB CHUT
E.PRODUCTION-TOOLED UNGRAINED DRIVER AND PASSENGER
KNEEBLOCKERS.VERTICAL PENCIL BRACKETS ON FRONT HY
DROFORM UPPER CROSSMEMBER.
MODIFIED BUILD:
REPLACED ORC WITH 50G ORC WITH INTERNAL-MONITORING
CAPABILITY.RETROFIT LIFTGATE WITH UPDATED LATCH A
ND HANDLE COMPONENTS (45G, DUAL-SPRING HANDLE + CA
BLE-ACTUATED LATCH).ADDED CLEARANCE NOTCH TO BIW O
N REAR SEAT CROSSMEMBER IN AREA BY FUEL TANK CONTR
OL VALVE.INSTALLED REAR AXLE BOOM DAMPER.REMOVED A
ND DISCARDED TRAILER HITCH.
MODIFIED EMD BUILD:
PURGED FUEL SYSTEM OF GASOLINE AND FILLED WITH 3 G
ALLONS OF STODDARD SOLVENT.

DATE 06/17/04
TIME 11:24:58.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11822 ITEM WKJ-4181
VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST
TEST DATE 06/17/04
TEST SITE CPG

TARGET WEIGHT(KG) 2468.0 TOTAL, 0.0 FRONT, 0.0 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
200 LBS ON LEFT FRONT FLOOR PAN, 200 LBS ON RIGHT
FRONT FLOOR PAN
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

EDP TECHNICIAN S. MARCHENIA

No. of Pages 44
CC

R. BORTOLIN 514-17-39
M. STEBELTON 422-05-01

DATE 06/17/04
TIME 11:31:11.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST

TEST DATE 06/17/04 SPEED 80.8 TEST WT 2468.9

LIBRARY VC11822

Errata # 1 Data Set 06/17/04BA CHL001-016 50.2 REAR VC11822E

Errata # 1 Data Set 06/17/04BB CHL017-032 50.2 REAR VC11822E

The data is displayed in the Metric system of Units (G, CM, N, N-M, KPH, etc.)

| CHL | TRANSDUCER LOCATION | | DCX 1000 CFC PEAK | DCX 600 CFC PEAK | PH 180 CFC PEAK | PH 60 CFC PEAK | AT 300MS | |
|-----|------------------------|-----------|----------------------------|---------------------------|--------------------------|-------------------------|-------------|-----|
| 1 | LEFT FRONT SILL | X P31026 | -45.7 | -43.1 | -29.5 | -22.1 | -30.7 | KPH |
| 2 | LEFT FRONT SILL | Z P28959 | -88.6 | -59.0 | 14.5 | -7.0 | -0.6 | KPH |
| 3 | RIGHT FRONT SILL | X P28699 | -41.0 | -33.7 | -29.3 | -26.3 | -32.7 | KPH |
| 4 | RIGHT FRONT SILL | Z P27558 | -70.9 | -62.3 | -16.2 | -5.6 | -0.5 | KPH |
| 5 | LEFT REAR SILL | X ETBB354 | -69.3 | -49.5 | -26.7 | -22.4 | -33.9 | KPH |
| 6 | LEFT REAR SILL | Z ETBB619 | -109.6 | -113.2 | -45.6 | 20.5 | 2.2 | KPH |
| 7 | RIGHT REAR SILL | X ETBBB59 | -56.5 | -49.8 | -28.8 | -26.1 | -32.6 | KPH |
| 8 | RIGHT REAR SILL | Z ETBB78B | 77.7 | 64.7 | 36.7 | -16.9 | 0.8 | KPH |
| 9 | SENSOR LT FRT C/Z MI | X P19261 | -49.6 | -38.8 | -30.1 | -20.9 | -32.4 | KPH |
| 10 | CZS LT FRT INT ACC G | EE | -95.5 | -58.3 | 27.6 | 21.3 | 92.4 | KPH |
| 11 | SENSOR RT FRT C/Z MI | X P24740 | -63.3 | -44.1 | -27.9 | -19.1 | -31.6 | KPH |
| 12 | CZS RT FRT INT ACC G | EE | -102.2 | -64.6 | 25.4 | 18.9 | 46.7 | KPH |
| 21 | AECM INTERNAL #1 ACC G | | 25.6 | 25.6 | 24.1 | 14.7 | 19.2 | KPH |
| 22 | AECM INTERNAL #2 ACC G | | -32.3 | -32.1 | -30.6 | -23.2 | -20.6 | KPH |
| 23 | AECM LT REAR CORNER | X P17579 | -52.0 | -50.0 | -45.5 | -32.7 | -36.0 | KPH |
| 24 | AECM LT REAR CORNER | Y P17339 | 39.9 | 38.7 | 28.8 | 13.5 | 4.7 | KPH |
| 25 | AECM RT REAR CORNER | X P23881 | -38.3 | -36.3 | -30.1 | -25.3 | -32.6 | KPH |
| 26 | AECM RT REAR CORNER | Y P24285 | 35.2 | 28.1 | 19.9 | 11.1 | -0.1 | KPH |
| 27 | AECM EXT BRACKET RT | X P15566 | 314.2 | 238.5 | 100.3 | 35.5 | -27.4 | KPH |
| 28 | AECM EXT BRACKET RT | Y P24157 | -39.7 | 30.3 | 21.5 | 11.7 | 2.2 | KPH |
| 33 | M-ADJ FRONT XMBR | X ETBB767 | 137.2 | 114.3 | 75.6 | 39.2 | 58.3 | KPH |
| 34 | M-ADJ FRONT XMBR | Y ETBB769 | -66.4 | -59.3 | -15.4 | 14.6 | 3.3 | KPH |
| 35 | M-ADJ LT RAIL MID | X ETBB775 | 68.0 | 66.4 | 46.1 | 34.9 | 53.7 | KPH |
| 36 | M-ADJ RT RAIL MID | X ETBB779 | 112.2 | 94.6 | 61.9 | 53.6 | 55.3 | KPH |
| 37 | M-ADJ REAR XMBR | Y P14991 | 82.5 | 76.0 | 40.8 | 18.5 | 10.0 | KPH |

| | | | |
|------|-----------|---------------------|-------------|
| DATE | 06/17/04 | TEST VALUES | SAFETY TEST |
| TIME | 11:31:11. | EDP CHANNEL SUMMARY | DEPT 5320 |

VC11822 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM WKJ-4181
05 WK, USA 301-OFFSET COMPLIANCE TEST

TEST DATE 06/17/04 SPEED 80.8 TEST WT 2468.9

LIBRARY VC11822

The data is displayed in the Metric system of Units (G, CM, N, N-M, KPH, etc.)

Multi-Channel Plot data

CHLS 1 3 & 5 7 CL PH60 AVERAGE OF FRT SILL -241.2G AT .4 MS

CHLS & 1 3 CL PH60 AVERAGE OF FRT SILL -241.0G AT .3 MS

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

2005 - 2010 Grand Cherokee

(WK) Compliance

VC13916

VC13916

SIDE IMPACTOR BARRIER CERTIFICATION

Date: July 18, 2006
To: AT Kearney, Inc.
Daimler Chrysler Corp.
1252 Chelsea Proving Grounds
3700 S. M-52 Highway
Chelsea, MI 48118-9600

PURCHASE ORDER INFORMATION

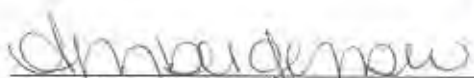
Customer P.O. Number: 1596680/ZRIT4001266
Work Order Number: 155101
Plascore Part Number: 18723
Quantity: 01 piece

CORE INFORMATION

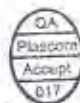
Core Type: PCGA-5.2-1/4-P-3003
Cell Size: 0.250 inch
Density: 5.2 pcf

Unit Number: 239B0606

This is to certify that the aluminum honeycomb core supplied, under the unit number provided, meets the crush requirements of 232 - 250 psi per DWG# DSL-1285.



Quality Assurance Representative
Amber Jensen

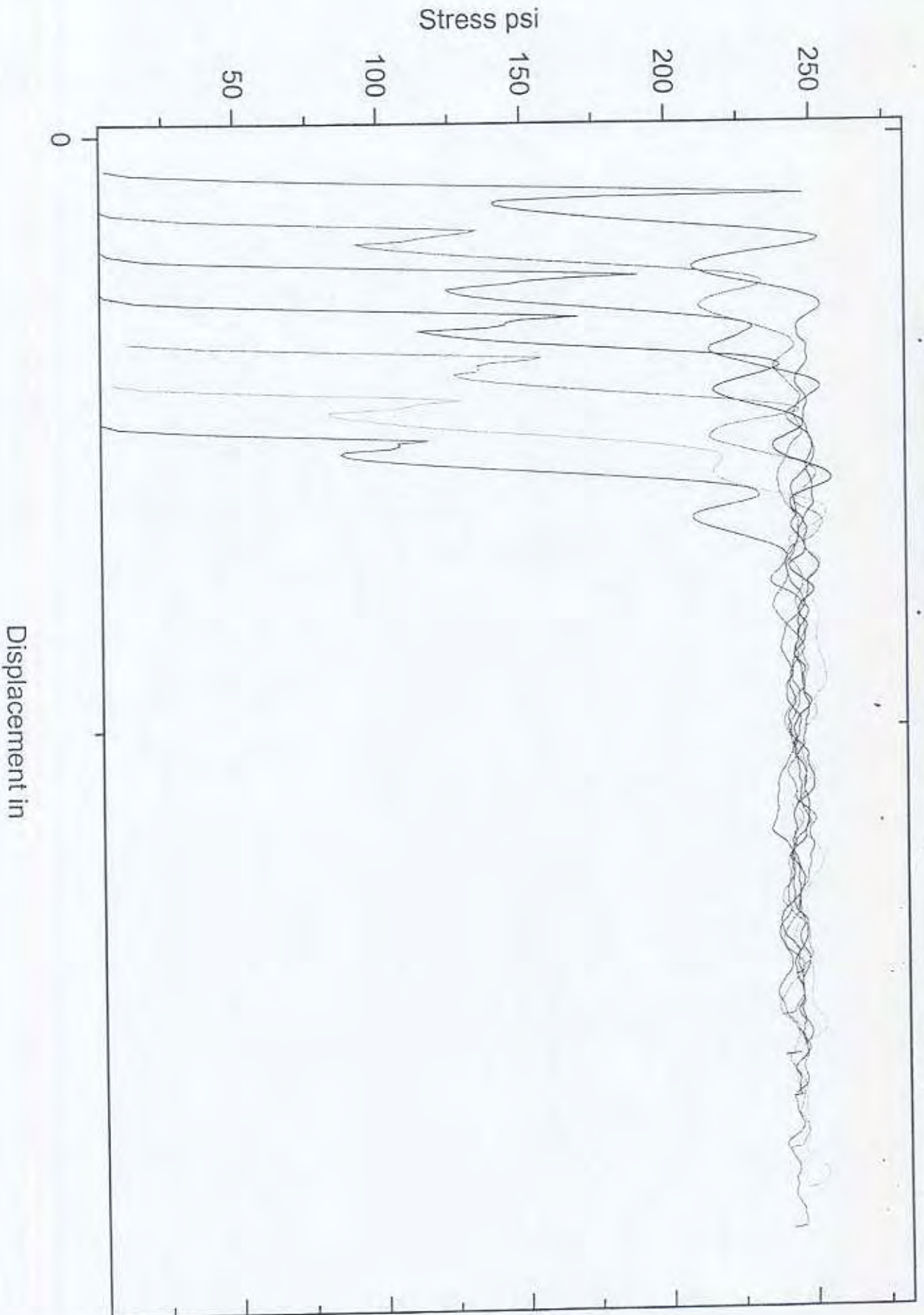


Crush Data
232 - 250 psi per DWG # DSL-1285

Block Number: 239B0606

| <u>Specimen Number</u> | <u>Zone 1</u> | <u>Zone 2</u> | <u>Zone 3</u> |
|------------------------|---------------|---------------|---------------|
| 1 | 246.42 | 244.61 | 244.45 |
| 2 | 242.25 | 244.11 | 246.56 |
| 3 | 245.19 | 245.62 | 245.63 |
| 4 | 246.01 | 245.17 | 245.27 |
| 5 | 244.86 | 243.58 | 243.95 |
| 6 | 247.10 | 247.44 | 247.30 |
| 7 | 240.26 | 240.52 | 244.99 |

BLOCK # 239B0606 Sample ID: IN238394





SIDE IMPACTOR BARRIER CERTIFICATION

Date: July 18, 2006
To: At Kearney, Inc.
Daimler Chrysler Corp.
1252 Chelsea Proving Grounds
3700 S. M-52 Highway
Chelsea, MI 48118-9600

PURCHASE ORDER INFORMATION

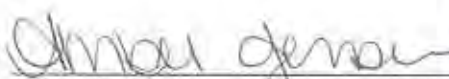
Customer P.O. Number: 1596680/ZRIT4001266
Work Order Number: 155101
Plascore Part Number: 18723
Quantity: 01 piece

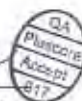
CORE INFORMATION

Core Type: PAMG-3/8-1.6-001-P-5052
Cell Size: 0.375 inches
Density: 1.6 pcf

Unit Number: 025A0706

This is to certify that the aluminum honeycomb core supplied, under the unit number provided, meets the crush requirements of 45 psi +/- 2.5 psi per DWG # DSL-1285.


Quality Assurance Representative
Amber Jensen

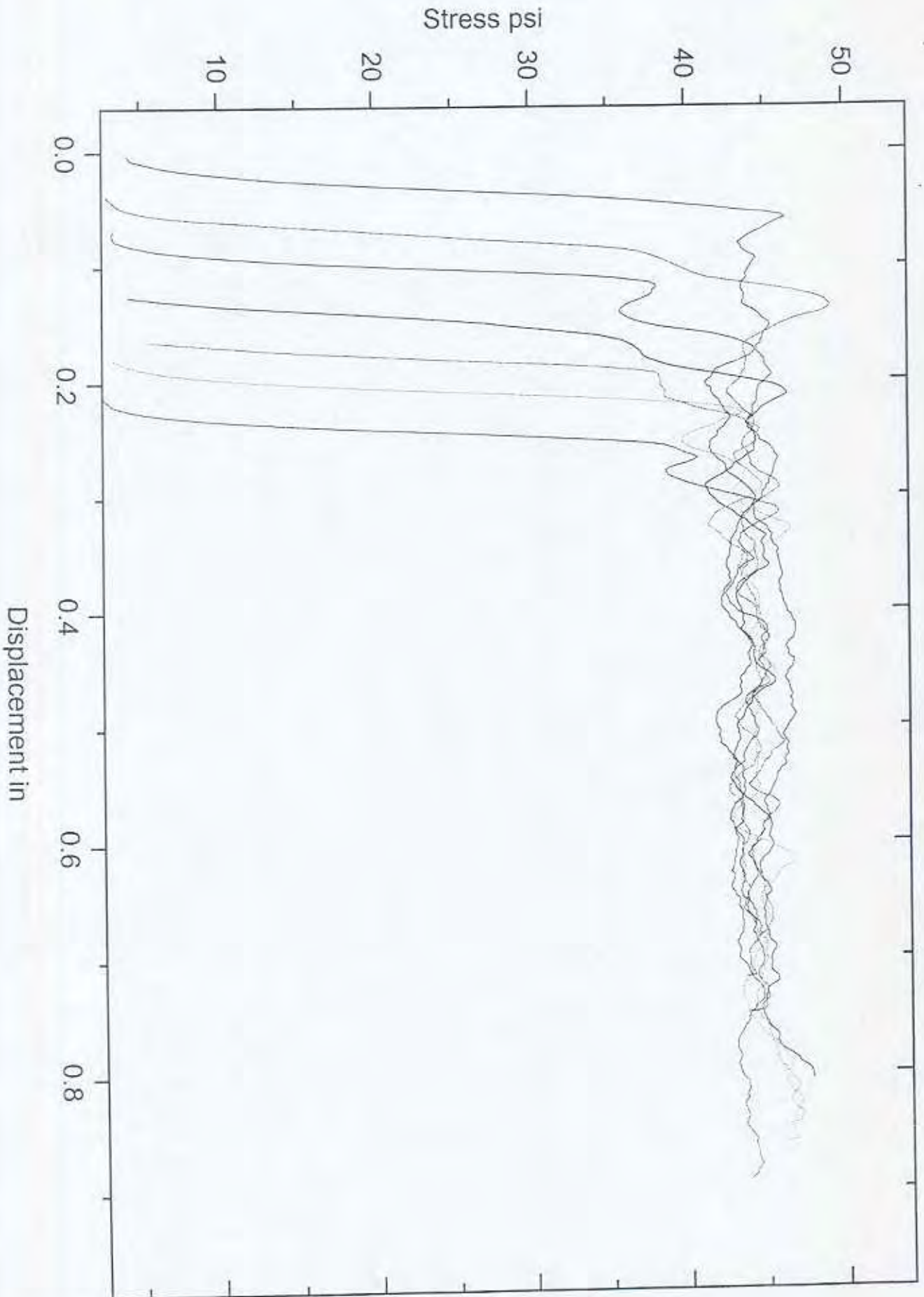


Crush Data
45 psi +/- 2.5 psi per DWG # DSL-1285

Block Number: 025A0706

| <u>Specimen Number</u> | <u>Zone 1</u> | <u>Zone 2</u> | <u>Zone 3</u> |
|------------------------|---------------|---------------|---------------|
| 1 | 45.41 | 46.47 | 44.77 |
| 2 | 44.18 | 44.99 | 44.75 |
| 3 | 43.07 | 42.84 | 43.91 |
| 4 | 43.95 | 44.12 | 45.10 |
| 5 | 44.21 | 43.55 | 44.79 |
| 6 | 44.47 | 44.75 | 44.84 |
| 7 | 43.55 | 43.45 | 43.42 |

BLOCK#025A0706 Sample ID: IN340953



Test VC13916

Last Requester Update
Last Check

08/28/2006 10:20:12 AM EDT
9/11/2006 7:57:15 AM

| Analysis | Camera | Lens | HGacq |
|----------------------------|-------------------------------------|-------------------|-------|
| 1 <input type="checkbox"/> | CATWALK OVERALL | | |
| | W29 WV | 35 mm 111289 KIN | 350 |
| 2 <input type="checkbox"/> | LEFT OVERALL | | |
| | W05 WV | 50 mm C2699 CEN | 350 |
| 3 <input type="checkbox"/> | LEFT REAR BUMPER TO BARRIER | | |
| | W04 WV | 35 mm 111106 KIN | 350 |
| 4 <input type="checkbox"/> | PIT OVERALL | | |
| | W21 WV | 25 mm 106481 KIN | 350 |
| 5 <input type="checkbox"/> | PIT FUEL TANK | | |
| | W22 WV | 35 mm C36612 CEN | 350 |
| 6 <input type="checkbox"/> | REAR 45 VEHICLE UNSTRUCKSIDE | | |
| | W15 WV | mm | 350 |
| 7 <input type="checkbox"/> | RIGHT OVERALL | | |
| | W14 WV | 50 mm 106312 KIN | 350 |
| 8 <input type="checkbox"/> | VELOCITY | | |
| | W19 WV | 100 mm 105330 KIN | 250 |

In Addition to Default Print:

ORIGINAL ORDER

Fuel System and Static Rollover Summary

| | |
|--|---------------------|
| Test Number: VC13916 | Test Engineer: Bahm |
| Item Number: L7WKJ1437 R1 | V.I.N: 1J8HR58287C |
| Body Type: WK | Test Speed (MPH) 50 |
| Test Type: LEFT REAR 70% OFFSET MOVING BARRIER | |

Fuel quantity: 20.6 Gallons - Stoddard Solvent

Post impact leakage (oz)

None At impact
None 5 min after impact
None next 25 min after impact

Vehicle, None in @ Test

Y Electric fuel pump run

Static roll leakage with vehicle (Left) East Side down first

Roll Date: _____

| Degrees* | Roll Time** | Fuel leakage location during static roll | Total |
|-----------|-------------|--|-------|
| 0 - 90 | 1:24 | None | Ø |
| 90 - 180 | 1:17 | None | Ø |
| 180 - 270 | 1:16 | None | Ø |
| 270 - 360 | 1:17 | None | Ø |

Notes: * Static Time for each position (ex.: 0-90 deg, 90-180 deg, etc.) should be no less than 5 minutes

** Roll Time should be no less than 1 and no more than 3 minutes. Record Roll Time in the box (ex.: 1:24)

Post test fuel system observations notes _____

Vehicle Attitude Sheet

| | | | |
|--------------|-------------------------------------|-------------------|------------------------|
| Test Number: | VC13916 | Test Engineer: | Bahm |
| Item Number: | L7WKJ1437 R1 | V.I.N: | 1J8HR58287C [REDACTED] |
| Body Type: | WK | Test Speed (MPH): | 50 |
| Test Type: | LEFT REAR 70% OFFSET MOVING BARRIER | | |

Fender / Wheelwell Heights

Still Heights

| | LF | LR | RF | RR |
|-------------|------|------|------|------|
| As Received | — | 33.5 | 33.2 | 33.7 |
| As Tested | 32.0 | 32.8 | 31.8 | 32.5 |

DATE 09/11/06
TIME 16:31:39.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC13916 ITEM L7WKJ1437
VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
TEST DATE 09/11/06
TEST SITE CPG

TEST PURPOSE PRIMARY, 2008 FMVSS 301 COMPLIANCE

IMPACT TYPE TARGET SPEED; 80.00 KPH
DAMAGE LOCATION; REAR LEFT
BARRIER TYPE; REAR TYPE V ADJUSTABLE
BARRIER SURFACE; PLASCORE

VEHICLE BODY CLASS; WK
CAR LINE; NONE
BODY; 74
ENGINE; EXL
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8HR58287C [REDACTED]
VIN AS BUILT; 1J8HR58287C [REDACTED]

TEST SPEED 81.80000 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 2445.81 TOTAL, 1315.89 FRONT, 1129.92 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-42
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-46
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2007.5 S1 WK NAFTA DIESEL
MODIFIED BUILD:
REPLACE ANY AND ALL PARTS REMOVED FOR THE FIRST STRIKE (2ND ROW SEAT, SPARE TIRE, LIFTGATE).REPLACE ORC WITH 50G ORC WITH INTERNAL-MONITORING CAPABILITY, FLASHED WITH PRODUCTION CALIBRATION, LEVEL 9F0 B.
MODIFIED EMD BUILD:
PURGED SYSTEM OF FUEL, PRESSURE CHECKED IT, AND FILLED IT WITH THREE GALLONS OF STODDARD SOLVENT.

TARGET WEIGHT(KG) 2445.35 TOTAL, 0.00 FRONT, 0.00 REAR
INCLUDING BALLAST AND OCCUPANTS

DATE 09/11/06
TIME 16:31:39.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC13916 ITEM L7WKJ1437
VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST

TEST DATE 09/11/06

TEST SITE CPG

FUEL AND BALLAST 78.0 LITRES STODDARD SOLVENT

NONE

KG ADDITIONAL BALLAST WEIGHTS

0.00 KG BALLAST WEIGHT SECURED IN CARGO AREA

POST TEST REMARKS POST-TEST MEASUREMENTS REQ :

POST-TEST TEST COMMENTS :

EDP TECHNICIAN S. MARCHENIA

No. of Pages 31
CC

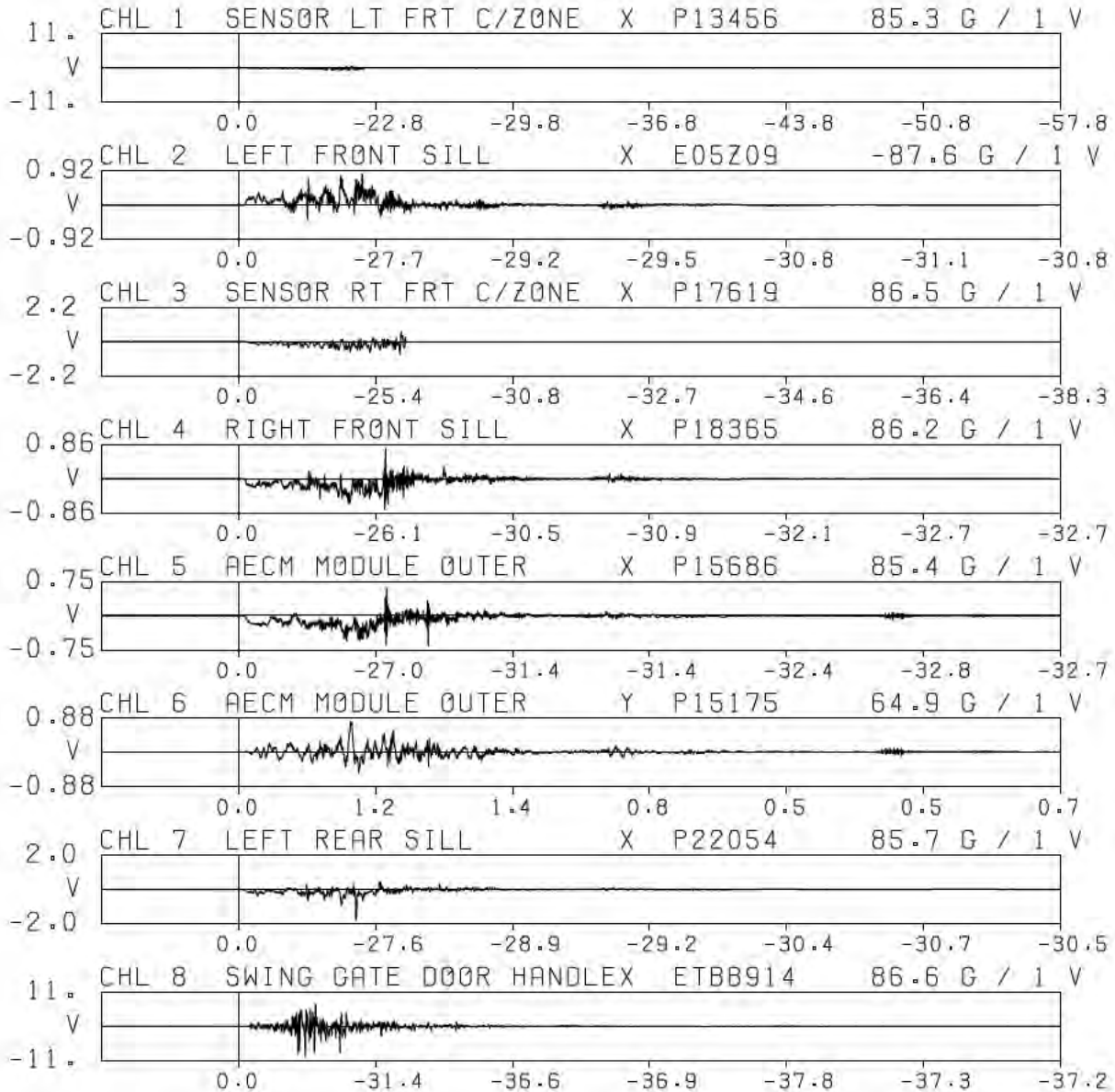
M. STEBELTON 422-05-01
K. TRUDGEON 514-17-39

TRANSDUCER SUMMARY REPORT

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
 07 WK. FMVSS 301 COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 SEP 11, 2006

DATA SET 09/11/06BE
 ERRATA 1

-50 0 50 100 150 200 250 300



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

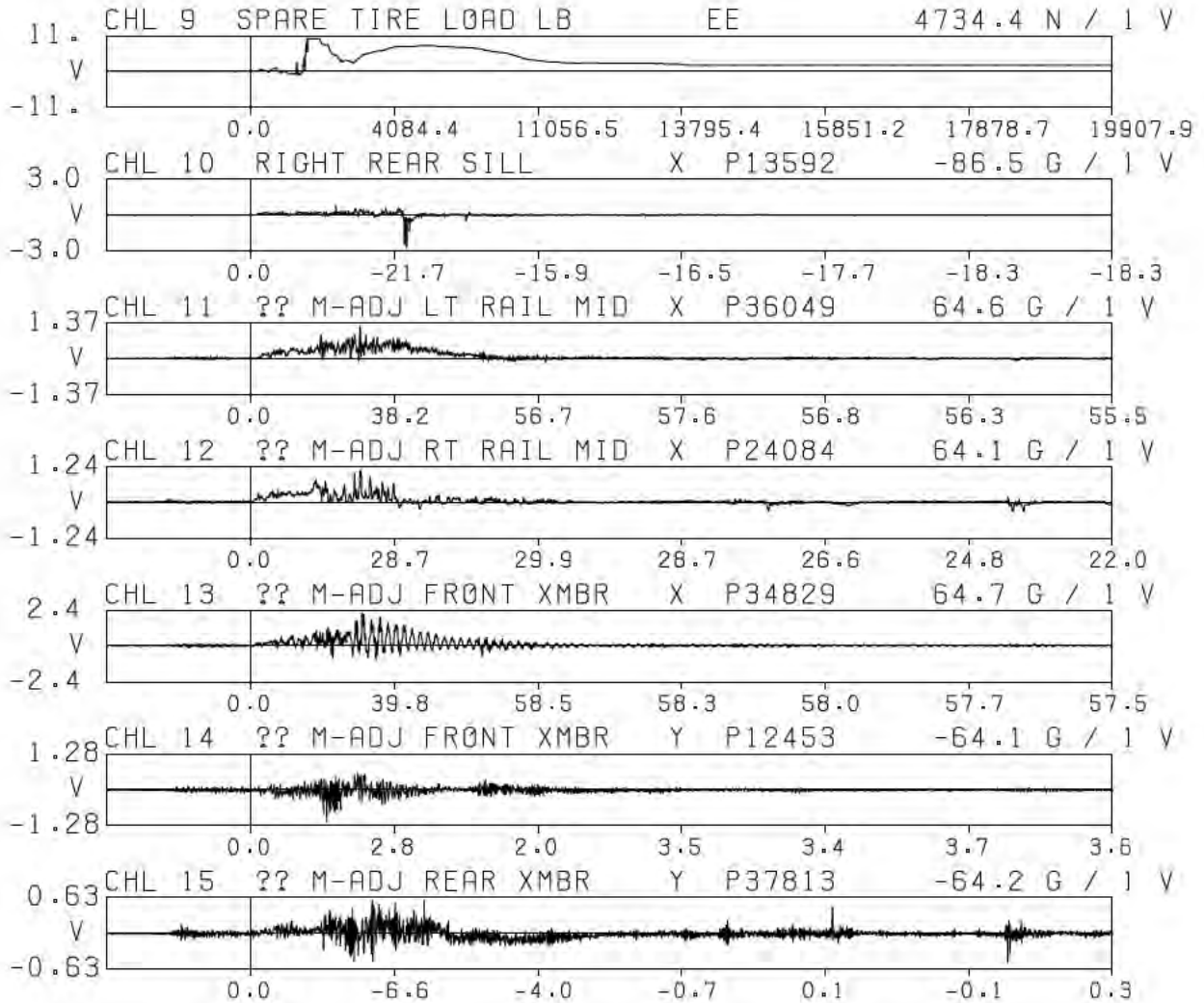
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
 07 WK. FMVSS 301 COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 SEP 11, 2006

DATA SET 09/11/06BE
 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-.

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST

AVERAGE OF

| | | | |
|-------------|------------------|---|--------|
| CHANNEL 002 | LEFT FRONT SILL | X | E05Z09 |
| CHANNEL 004 | RIGHT FRONT SILL | X | P18365 |
| CHANNEL 007 | LEFT REAR SILL | X | P22054 |
| CHANNEL 010 | RIGHT REAR SILL | X | P13592 |

FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)

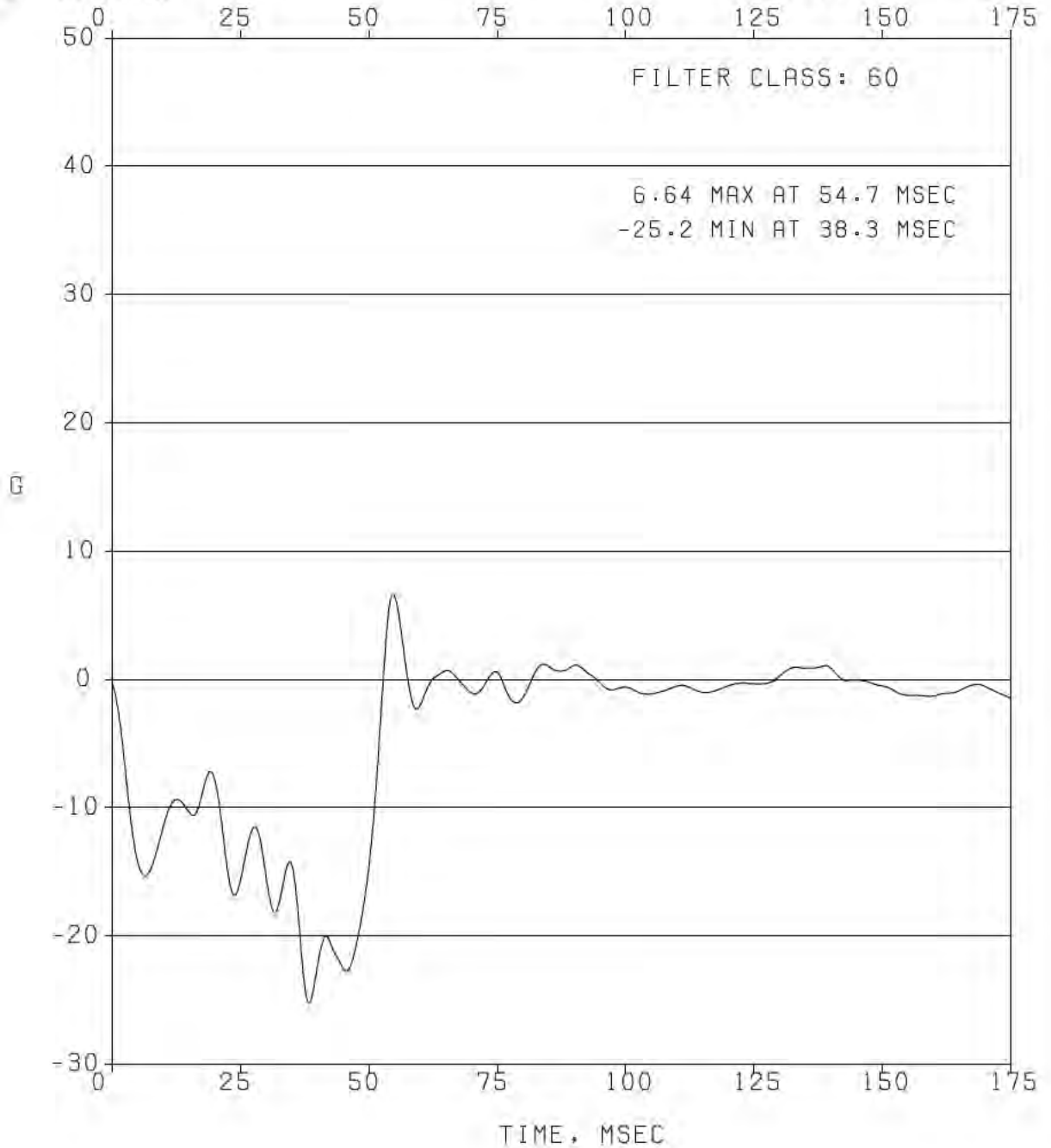
IMPACT ANALYSIS DEPT: 5320

DATA SET 09/11/06BE

SEP 11.2006

ERRATA

1



VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST

AVERAGE OF

CHANNEL 002 LEFT FRONT SILL X E05Z09
CHANNEL 004 RIGHT FRONT SILL X P18365

FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)

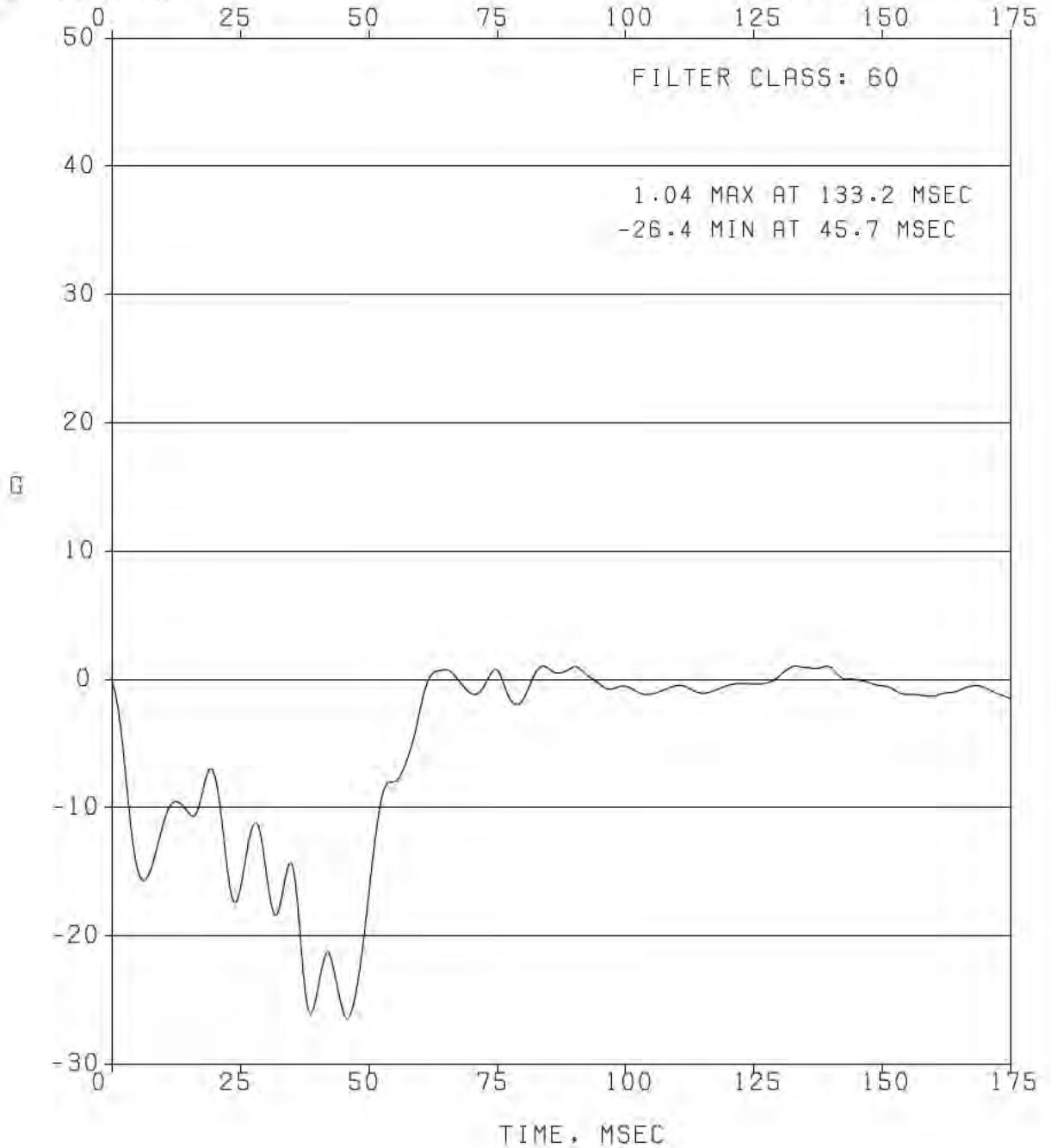
IMPACT ANALYSIS DEPT: 5320

DATA SET 09/11/06BE

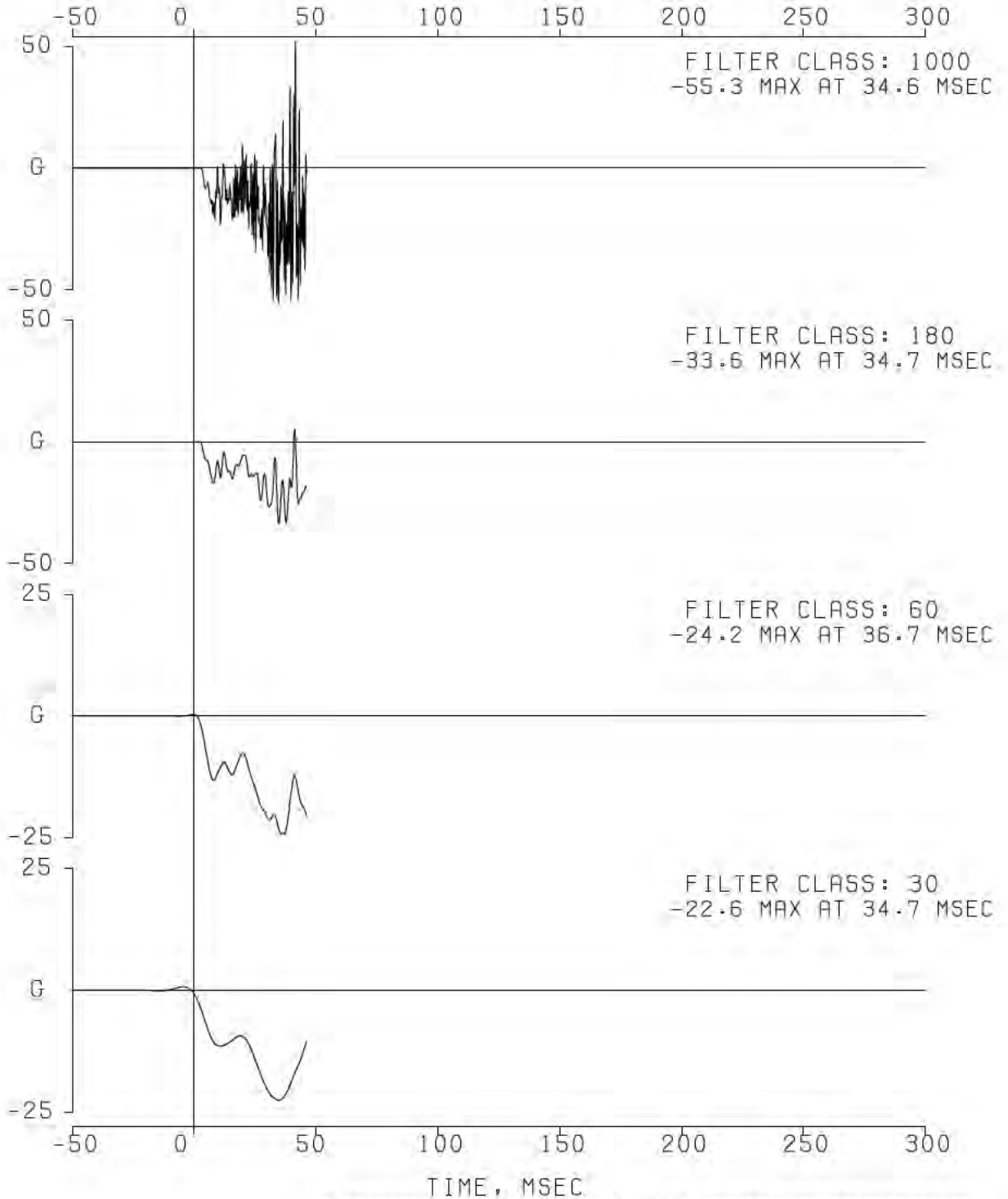
SEP 11.2006

ERRATA

1



VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
 07 WK, FMVSS 301 COMPLIANCE TEST
 CHANNEL 001 SENSOR LT FRT C/ZONE X P13456
 FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
 IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
 SEP 11, 2006 ERRATA 1



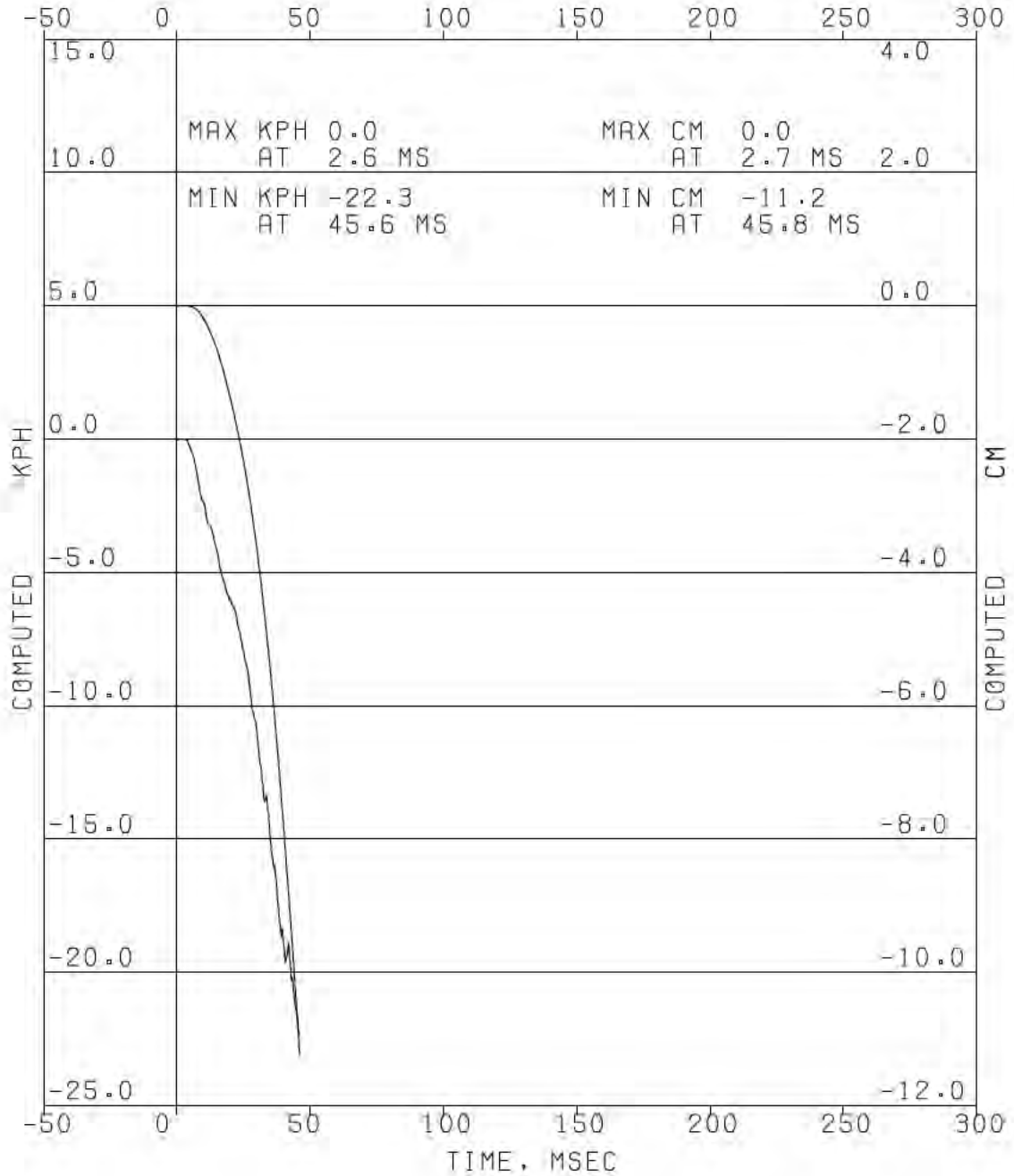
***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 46.0 MS *****

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
 07 WK, FMVSS 301 COMPLIANCE TEST
 CHANNEL 001 SENSOR LT FRT C/ZONE X P13456

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 SEP 11, 2006

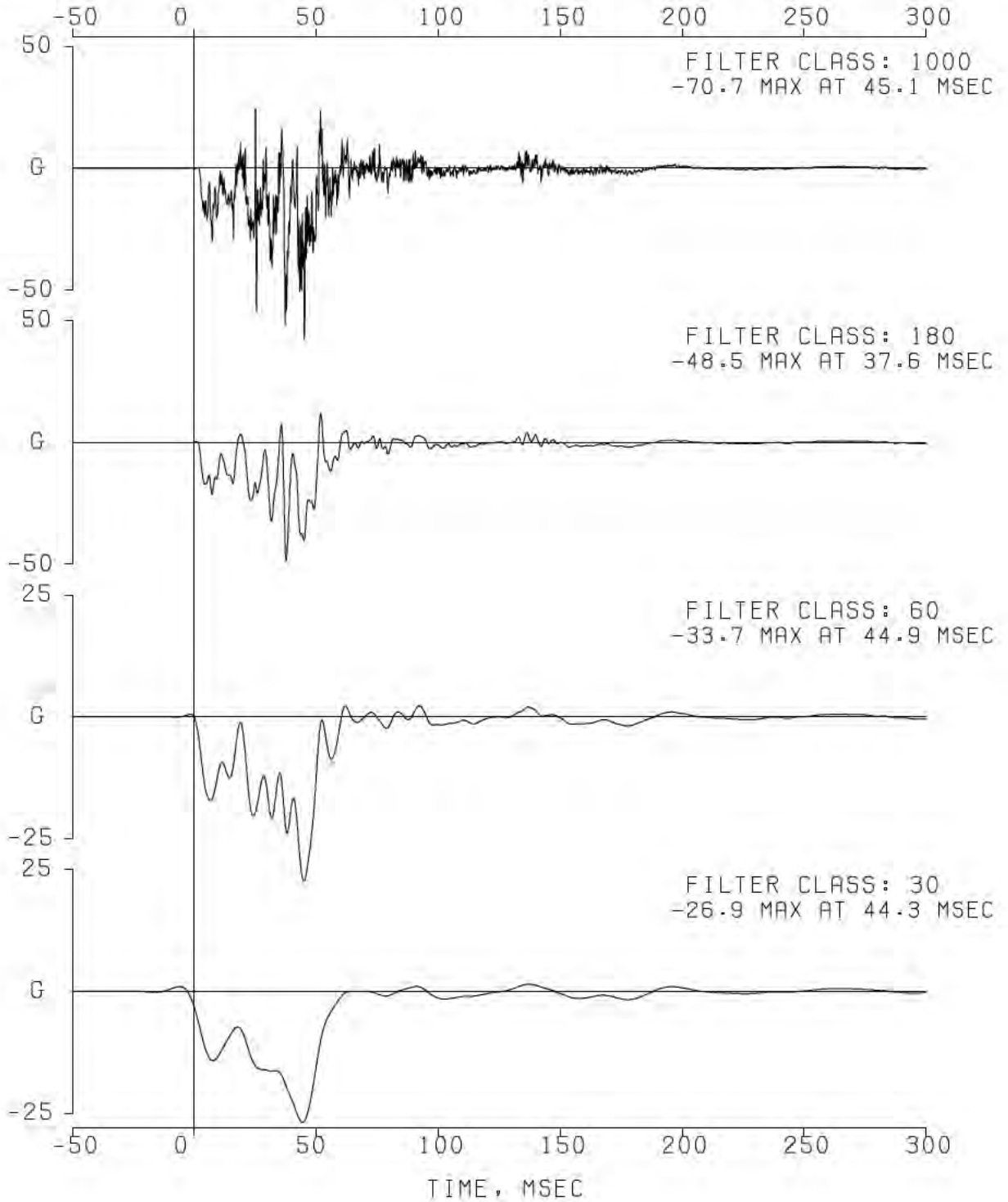
DATA SET 09/11/06BE
 ERRATA 1



***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 46.0 MS *****

COMPUTED KPH
 COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 002 LEFT FRONT SILL X E05Z09
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11,2006 ERRATA 1

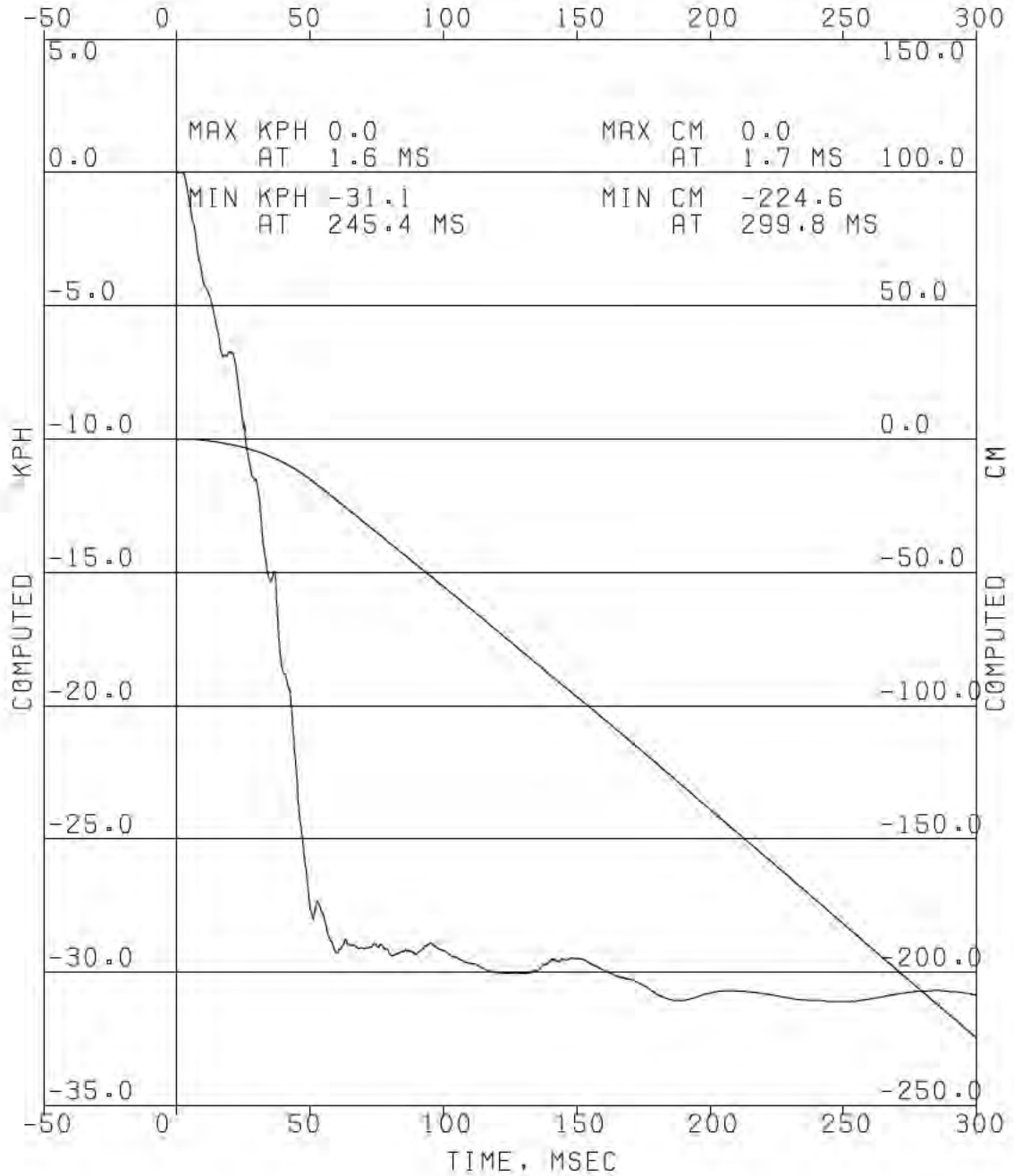


VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 002 LEFT FRONT SILL X E05Z09

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

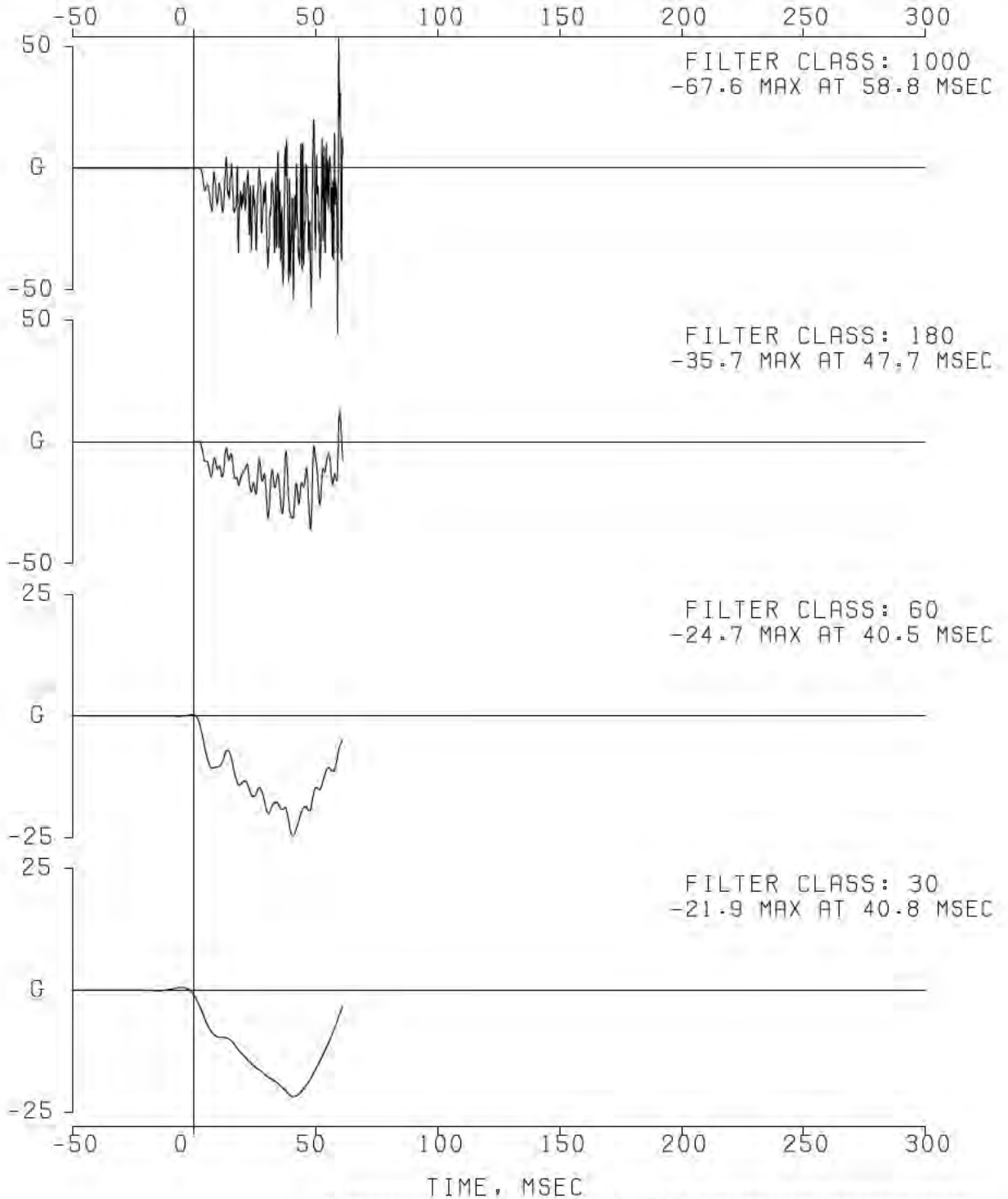
IMPACT ANALYSIS DEPT. 5320
SEP 11, 2006

DATA SET 09/11/06BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
 07 WK, FMVSS 301 COMPLIANCE TEST
 CHANNEL 003 SENSOR RT FRT C/ZONE X P17619
 FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
 IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
 SEP 11,2006 ERRATA 1



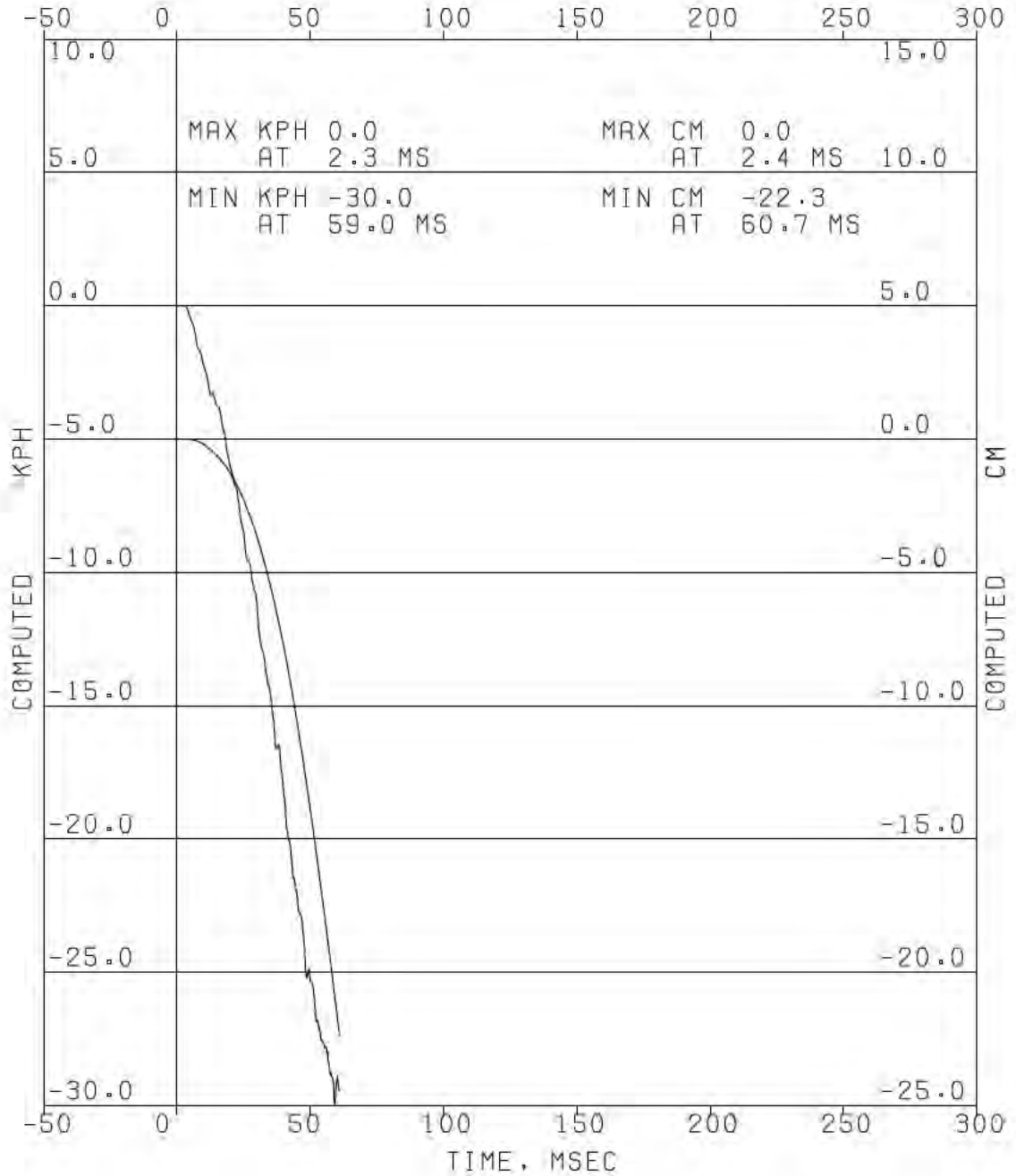
***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 60.9 MS *****

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
 07 WK, FMVSS 301 COMPLIANCE TEST
 CHANNEL 003 SENSOR RT FRT C/ZONE X P17619

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 SEP 11, 2006

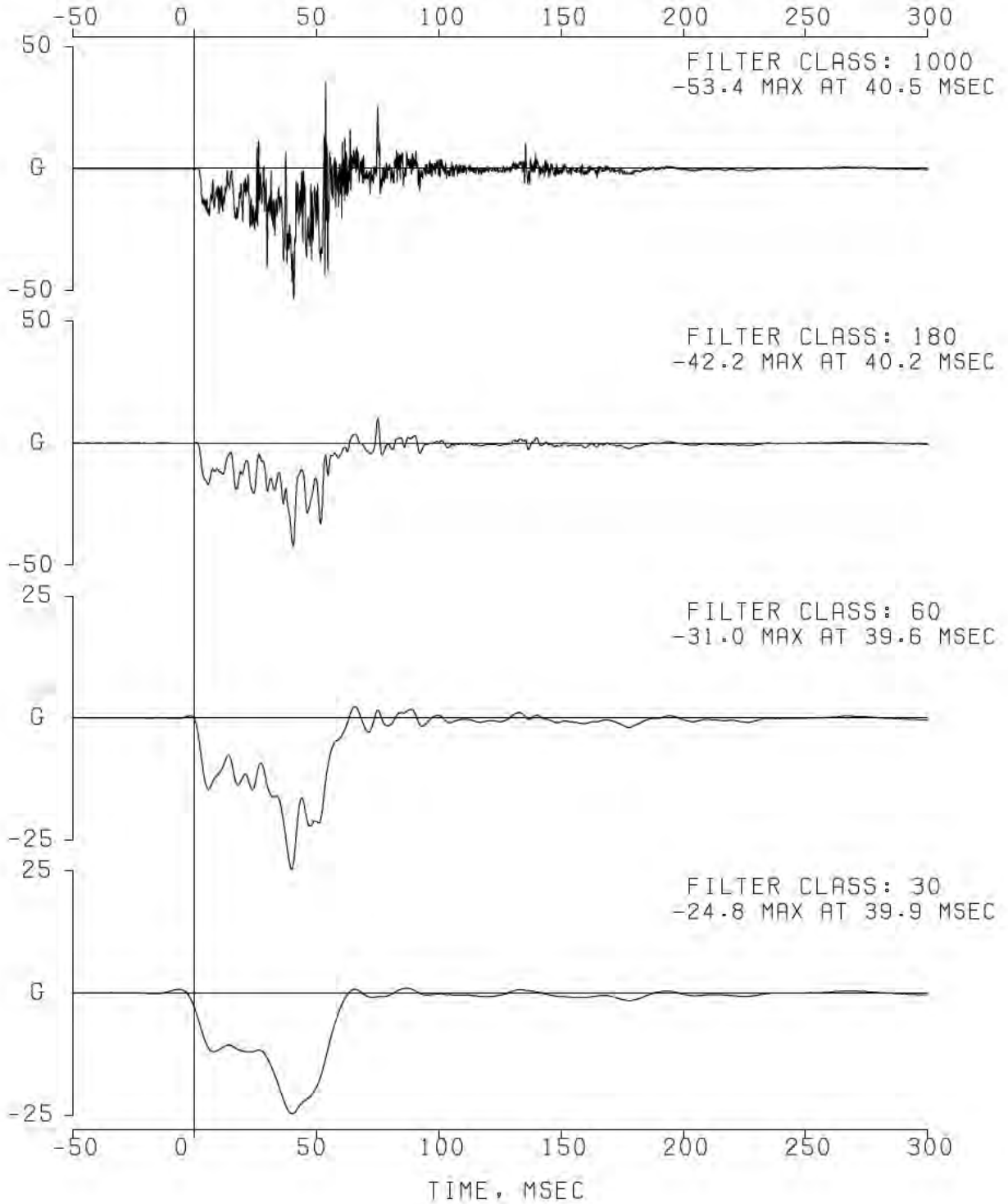
DATA SET 09/11/06BE
 ERRATA 1



***** CAUTION *****
 ***** INST. MALFUNCTION AFTER 60.9 MS *****

COMPUTED KPH
 COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 004 RIGHT FRONT SILL X P18365
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11,2006 ERRATA 1

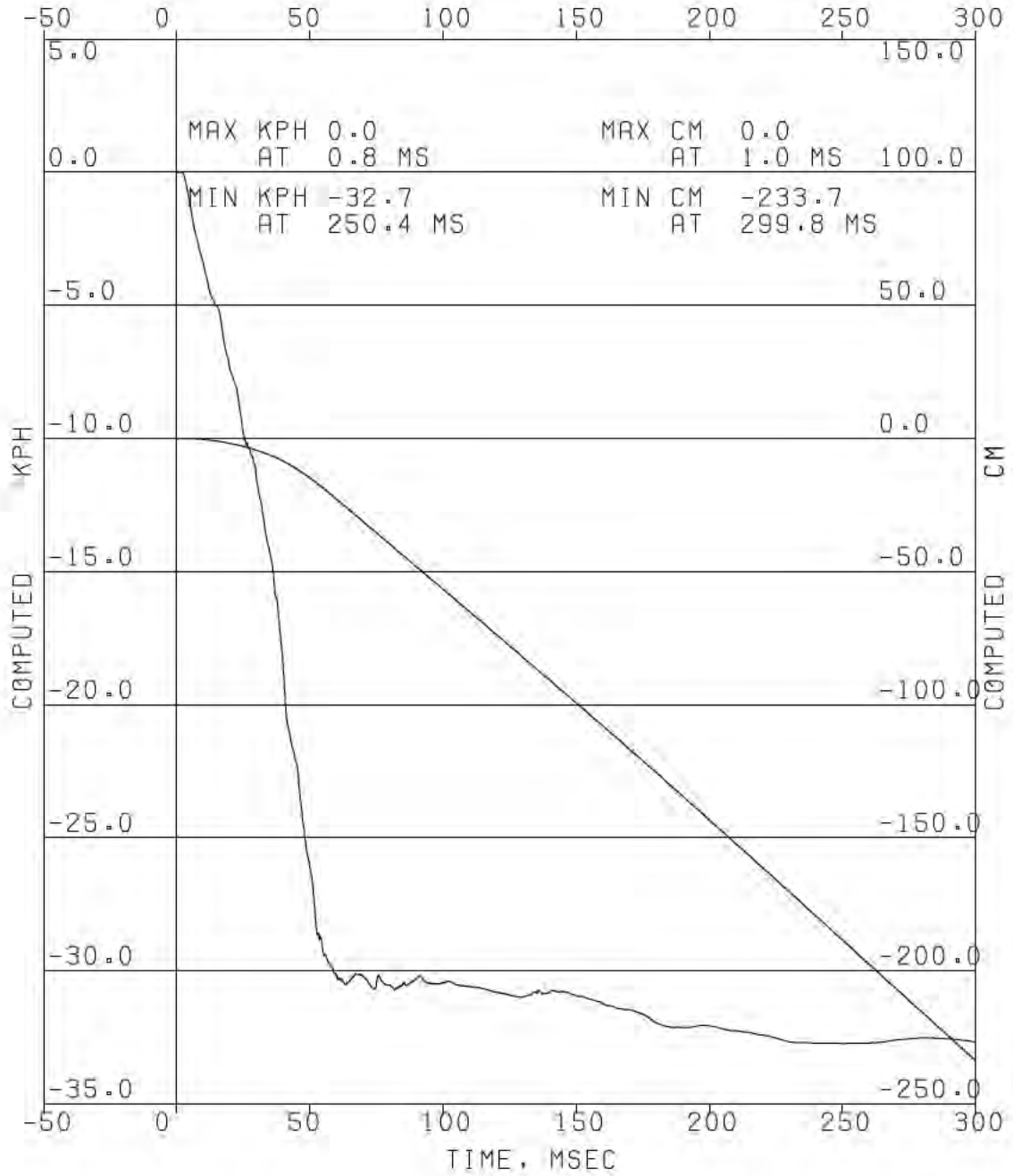


VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 004 RIGHT FRONT SILL X P18365

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

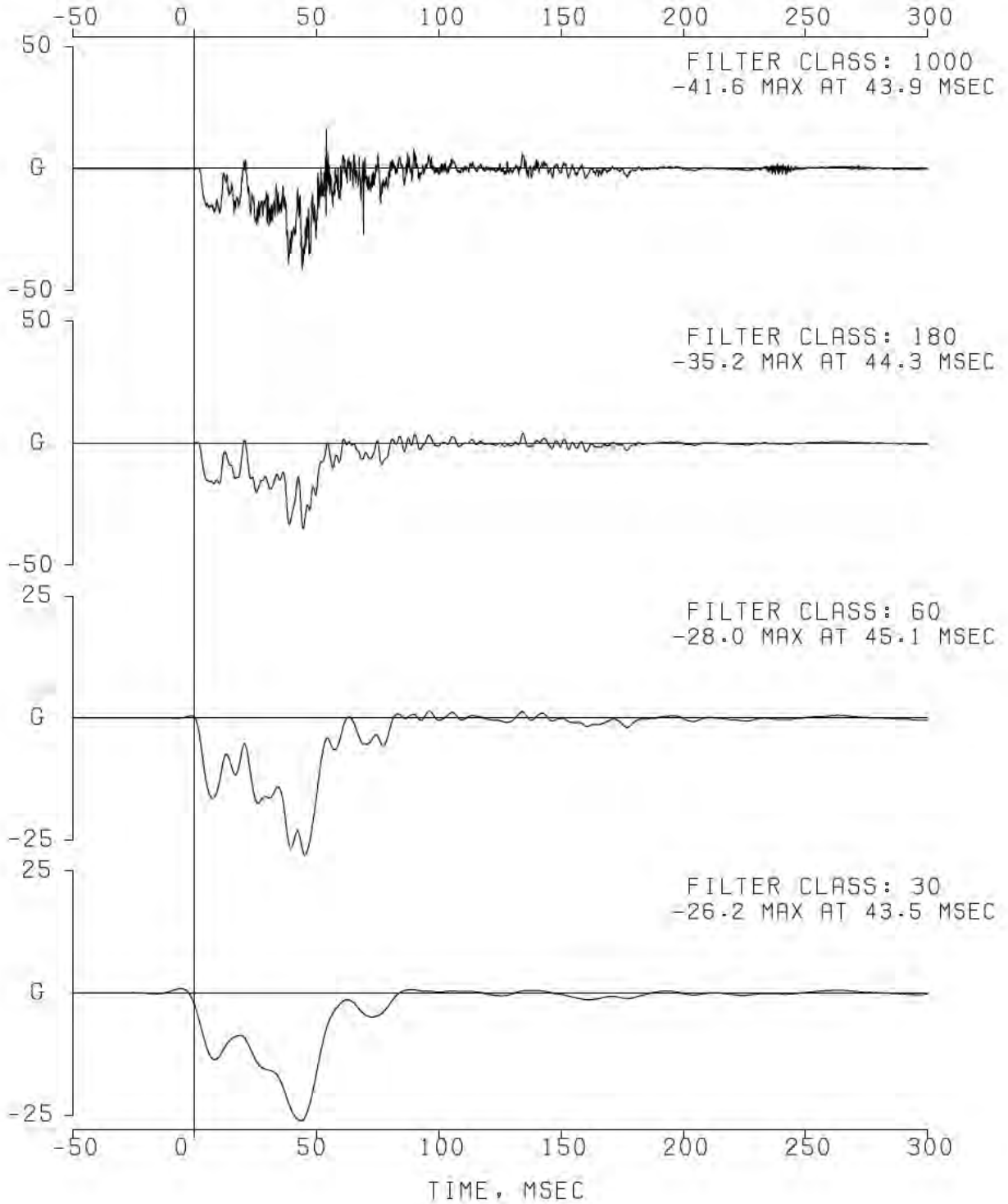
IMPACT ANALYSIS DEPT. 5320
SEP 11, 2006

DATA SET 09/11/06BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 005 AECM MODULE OUTER X P15686
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11, 2006 ERRATA 1

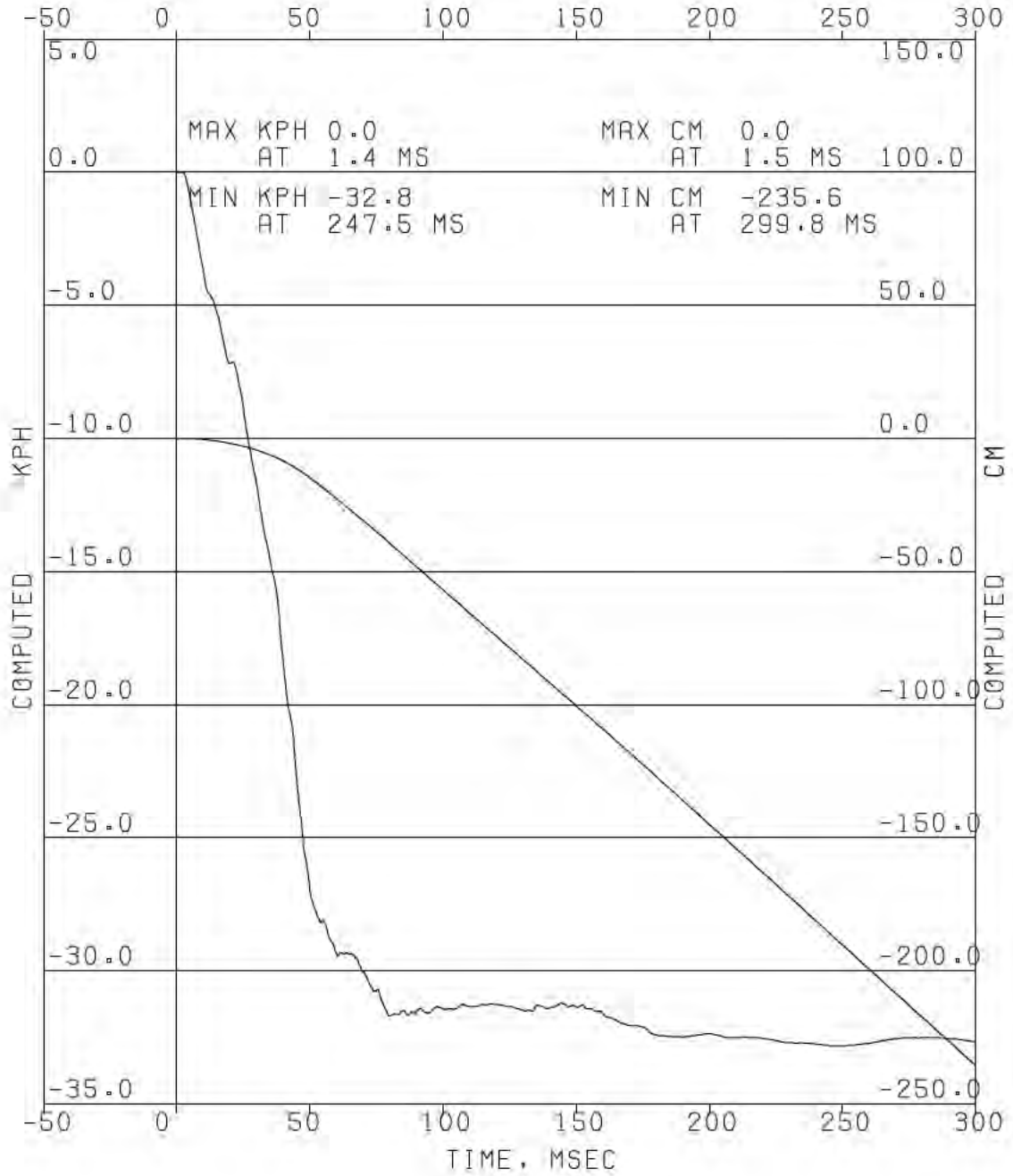


VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 005 AECM MODULE OUTER X P15686

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

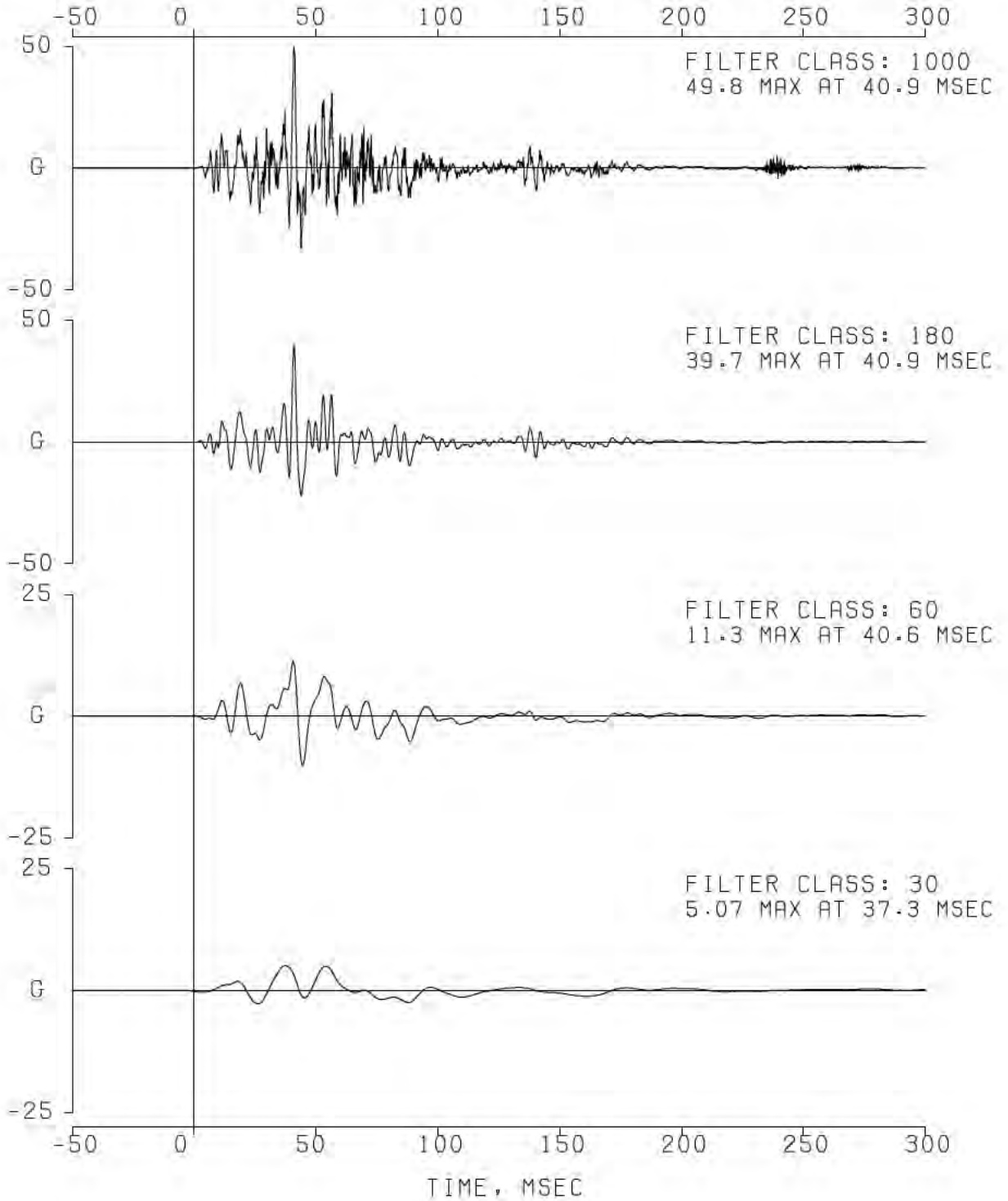
IMPACT ANALYSIS DEPT. 5320
SEP 11, 2006

DATA SET 09/11/06BE
ERRATA 1

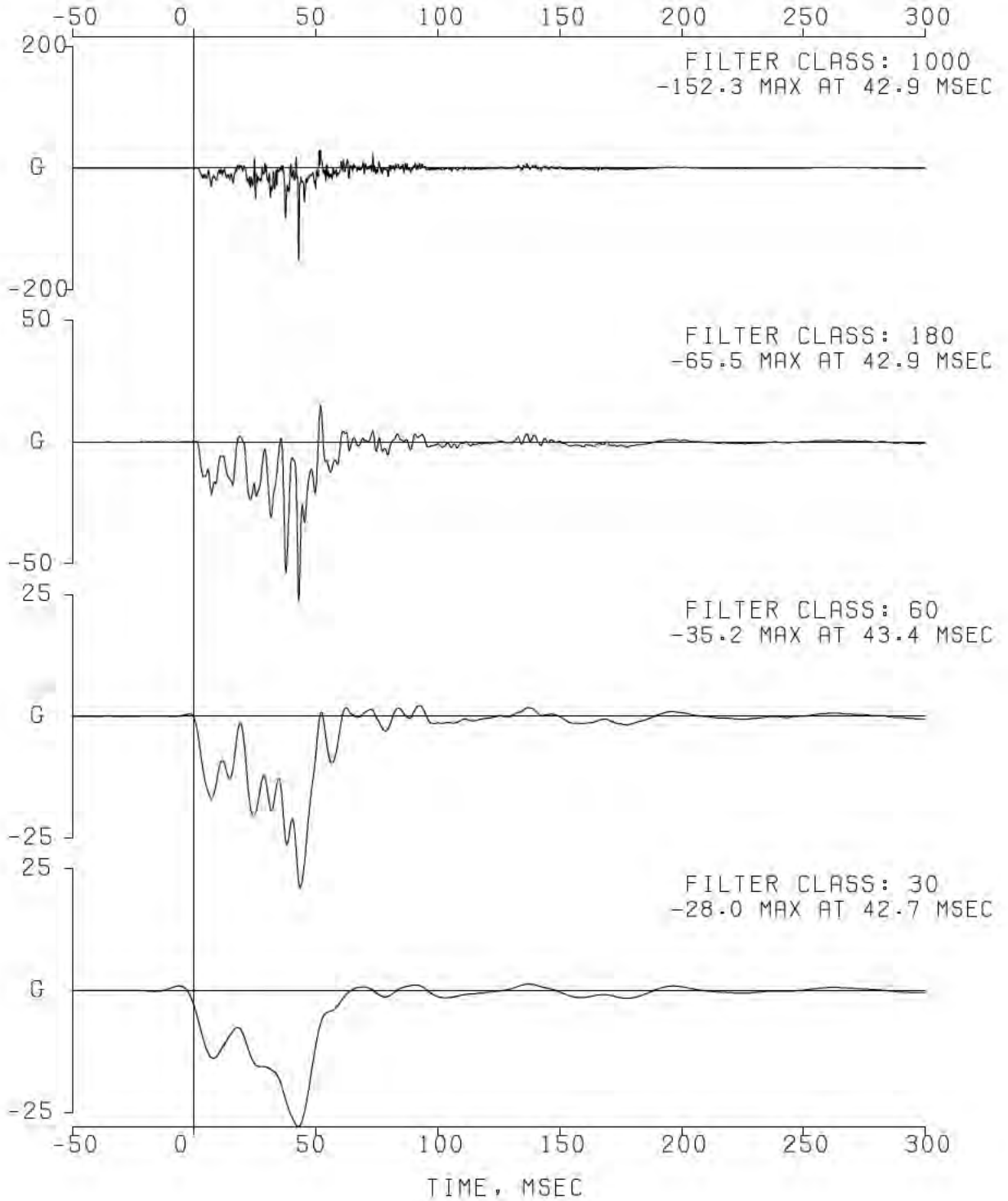


COMPUTED KPH
COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 006 AECM MODULE OUTER Y P15175
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11, 2006 ERRATA 1



VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 007 LEFT REAR SILL X P22054
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11, 2006 ERRATA 1



VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 007 LEFT REAR SILL X P22054

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

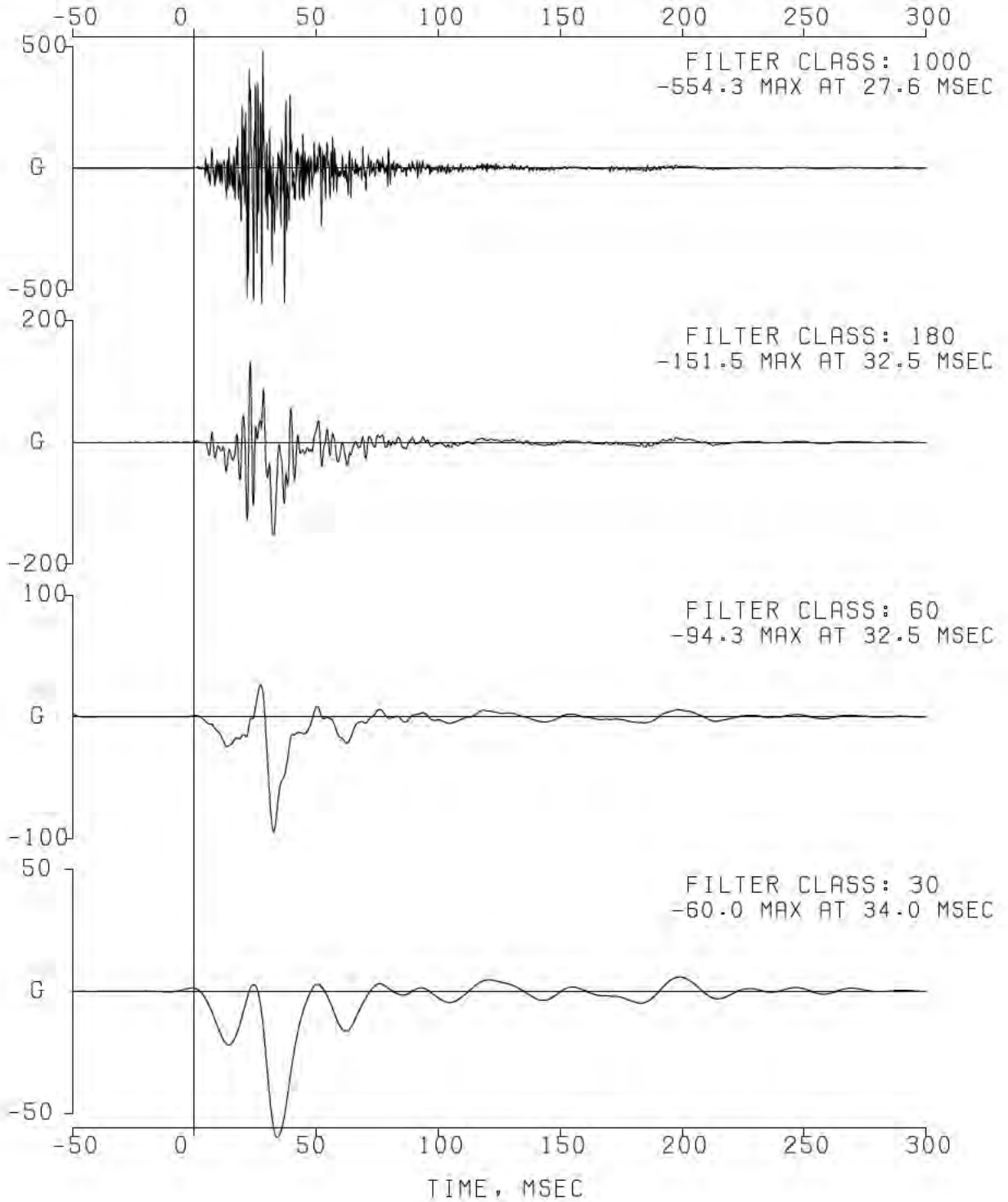
IMPACT ANALYSIS DEPT. 5320
SEP 11, 2006

DATA SET 09/11/06BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 008 SWING GATE DOOR HANDLEX ETBB914
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11,2006 ERRATA 1

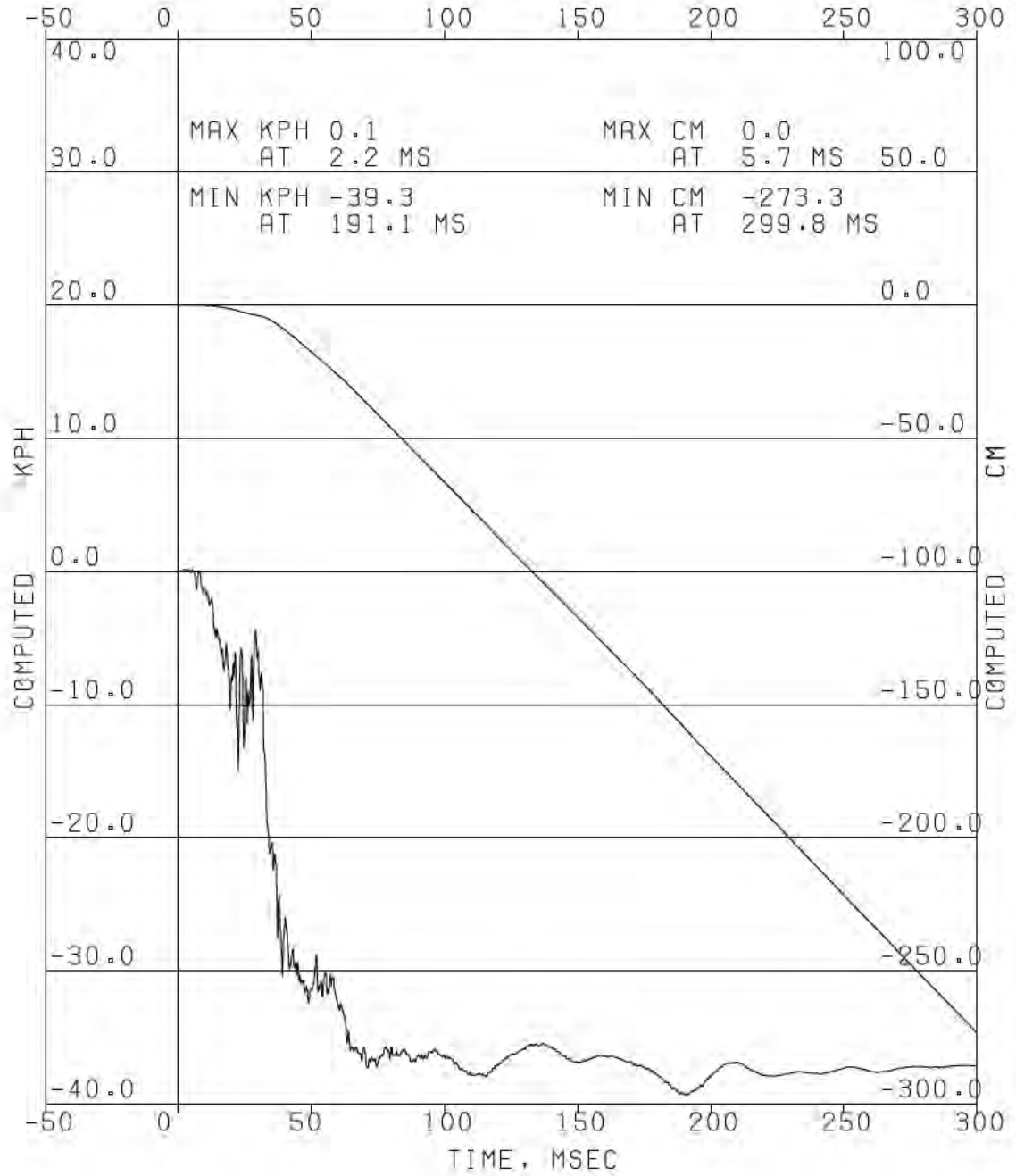


VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 008 SWING GATE DOOR HANDLEX ETBB914

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
SEP 11, 2006

DATA SET 09/11/06BE
ERRATA 1

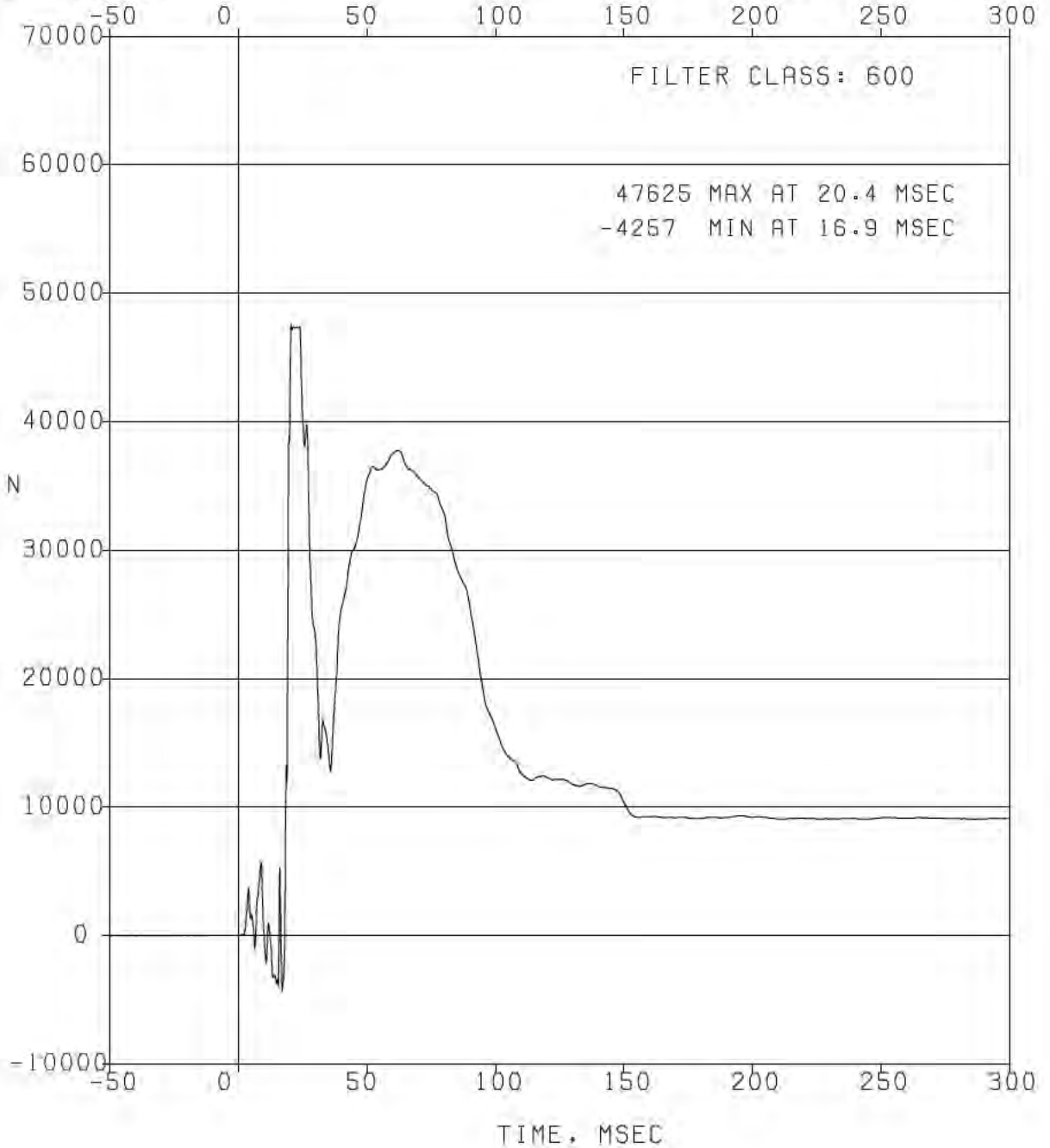


COMPUTED KPH
COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST

CHANNEL 009 SPARE TIRE LOAD LB EE

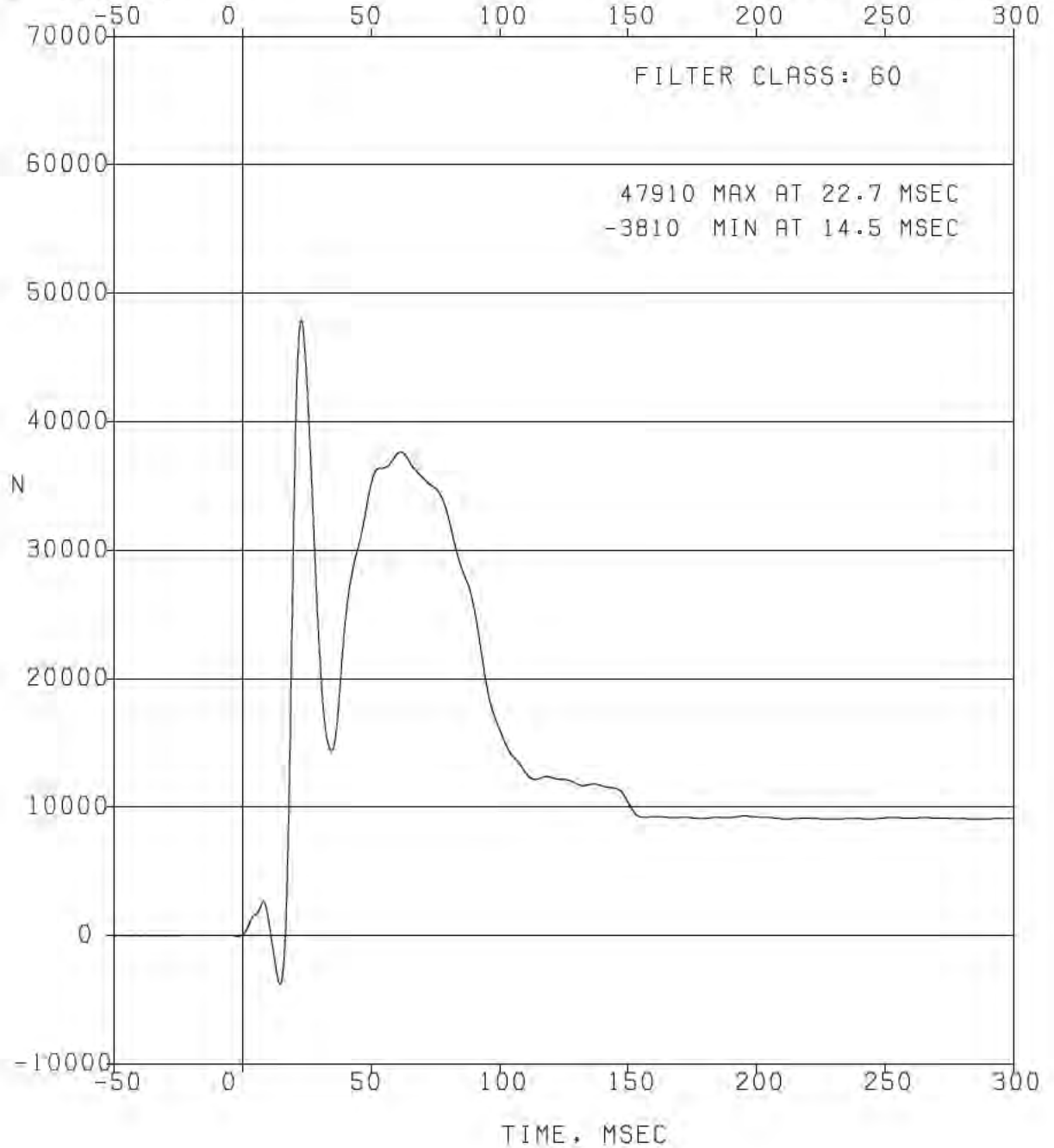
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (990.0)
IMPACT ANALYSIS DEPT: 5320 DATA SET 09/11/06BE
SEP 11.2006 ERRATA 1



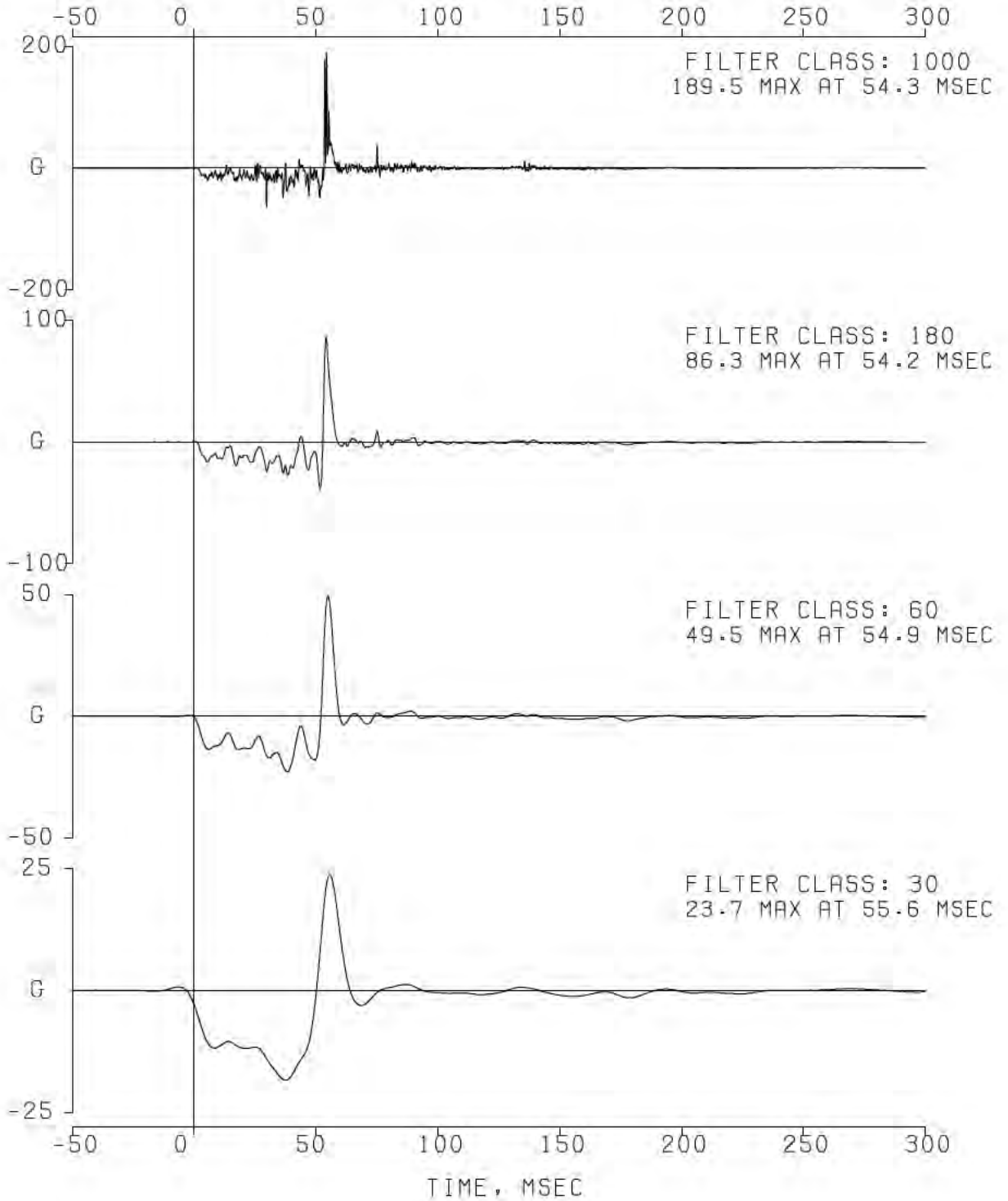
VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST

CHANNEL 009 SPARE TIRE LOAD LB EE

FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)
IMPACT ANALYSIS DEPT: 5320 DATA SET 09/11/06BE
SEP 11.2006 ERRATA 1



VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 010 RIGHT REAR SILL X P13592
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11,2006 ERRATA 1

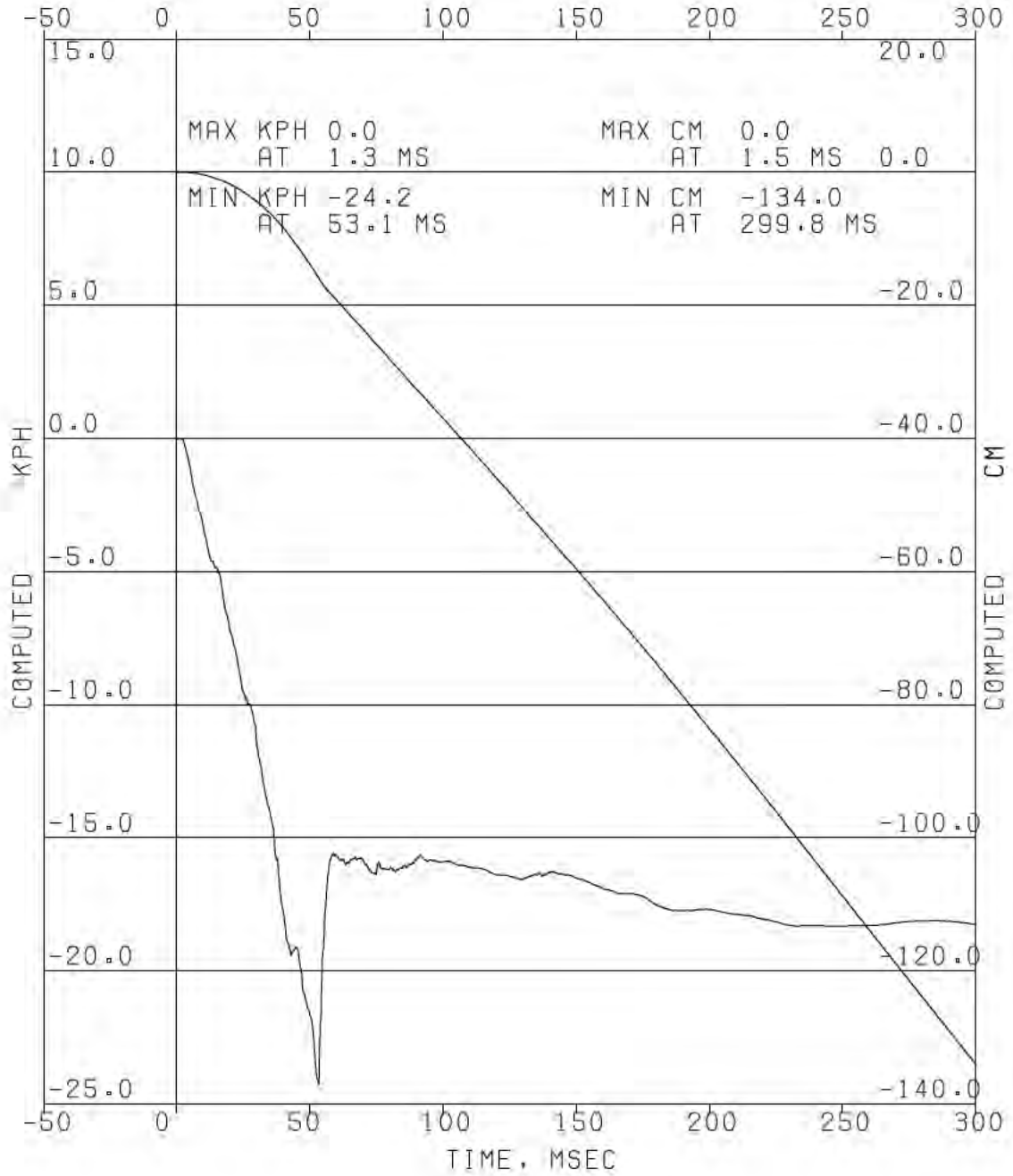


VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 010 RIGHT REAR SILL X P13592

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

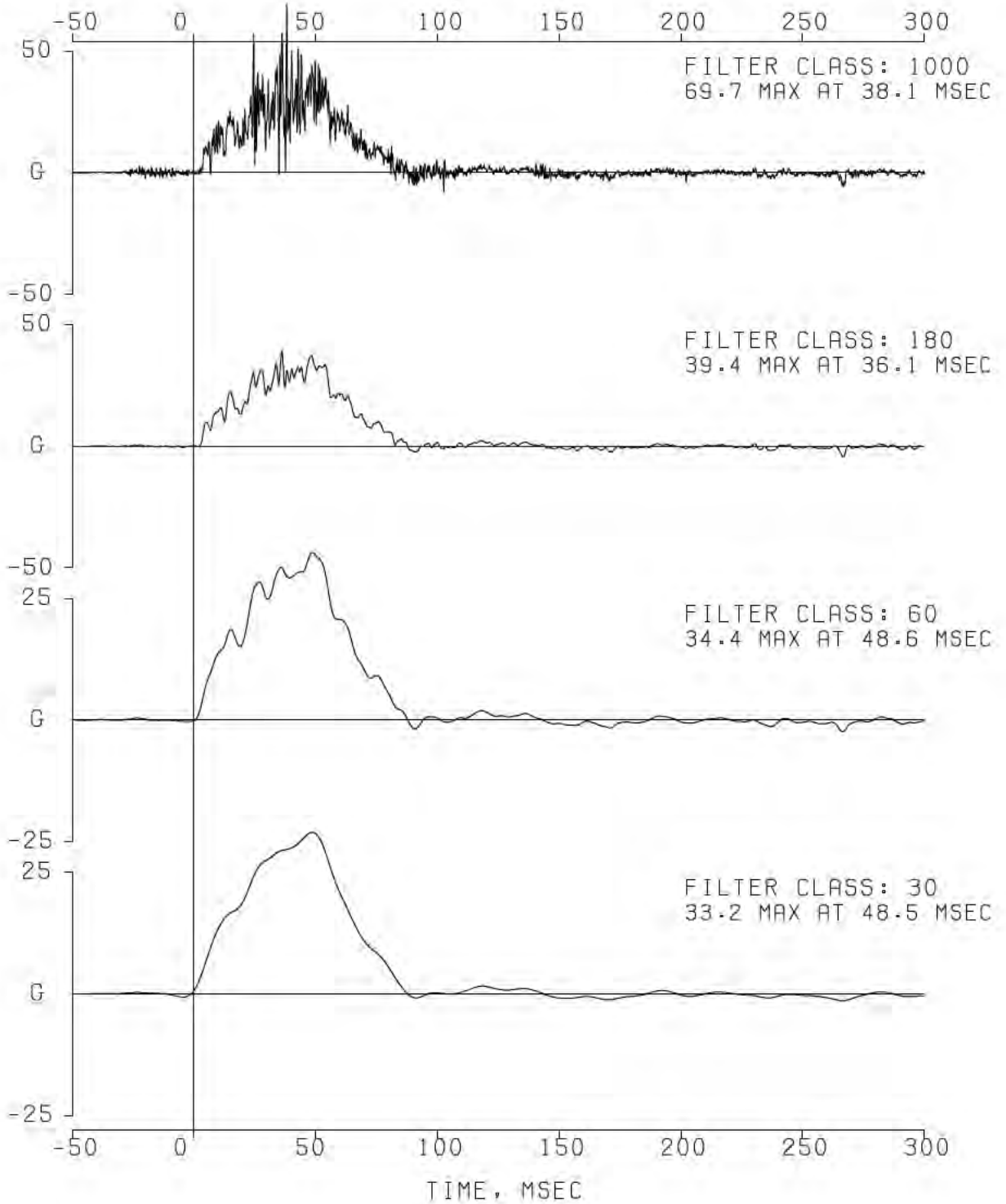
IMPACT ANALYSIS DEPT. 5320
SEP 11, 2006

DATA SET 09/11/06BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 011 ?? M-ADJ LT RAIL MID X P36049
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11, 2006 ERRATA 1

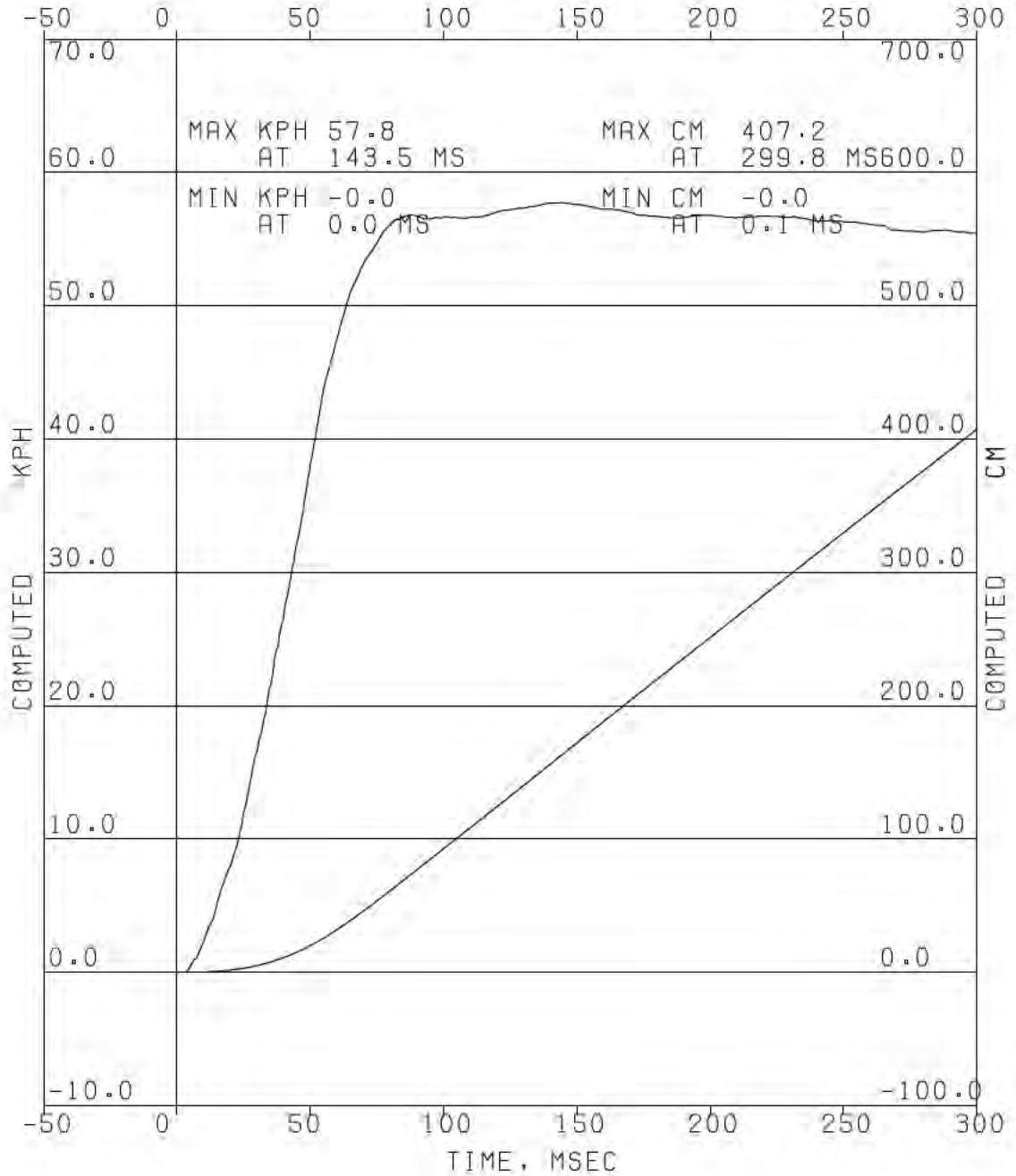


VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 011 ?? M-ADJ LT RAIL MID X P36049

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

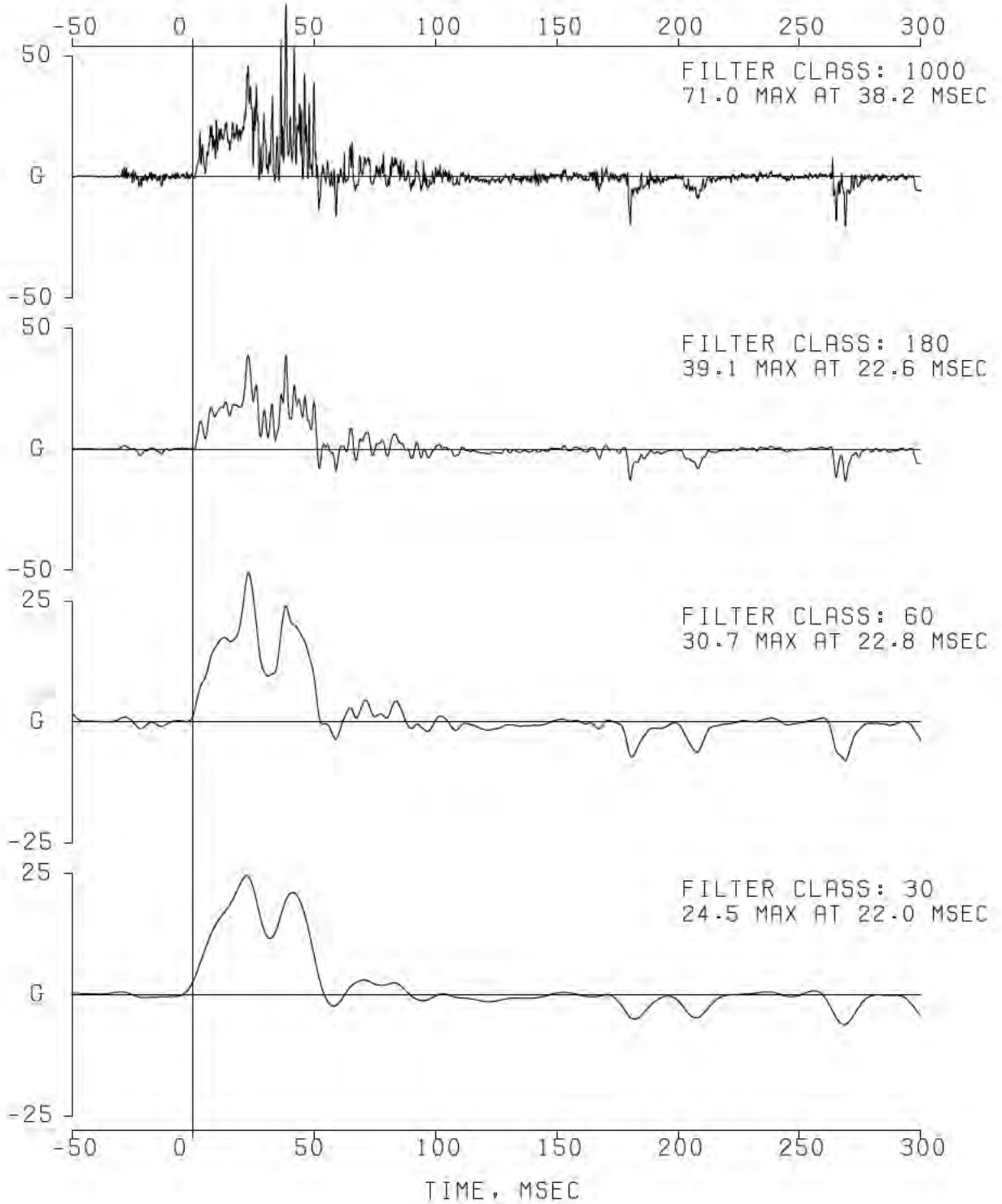
IMPACT ANALYSIS DEPT. 5320
SEP 11, 2006

DATA SET 09/11/06BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 012 ?? M-ADJ RT RAIL MID X P24084
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11,2006 ERRATA 1

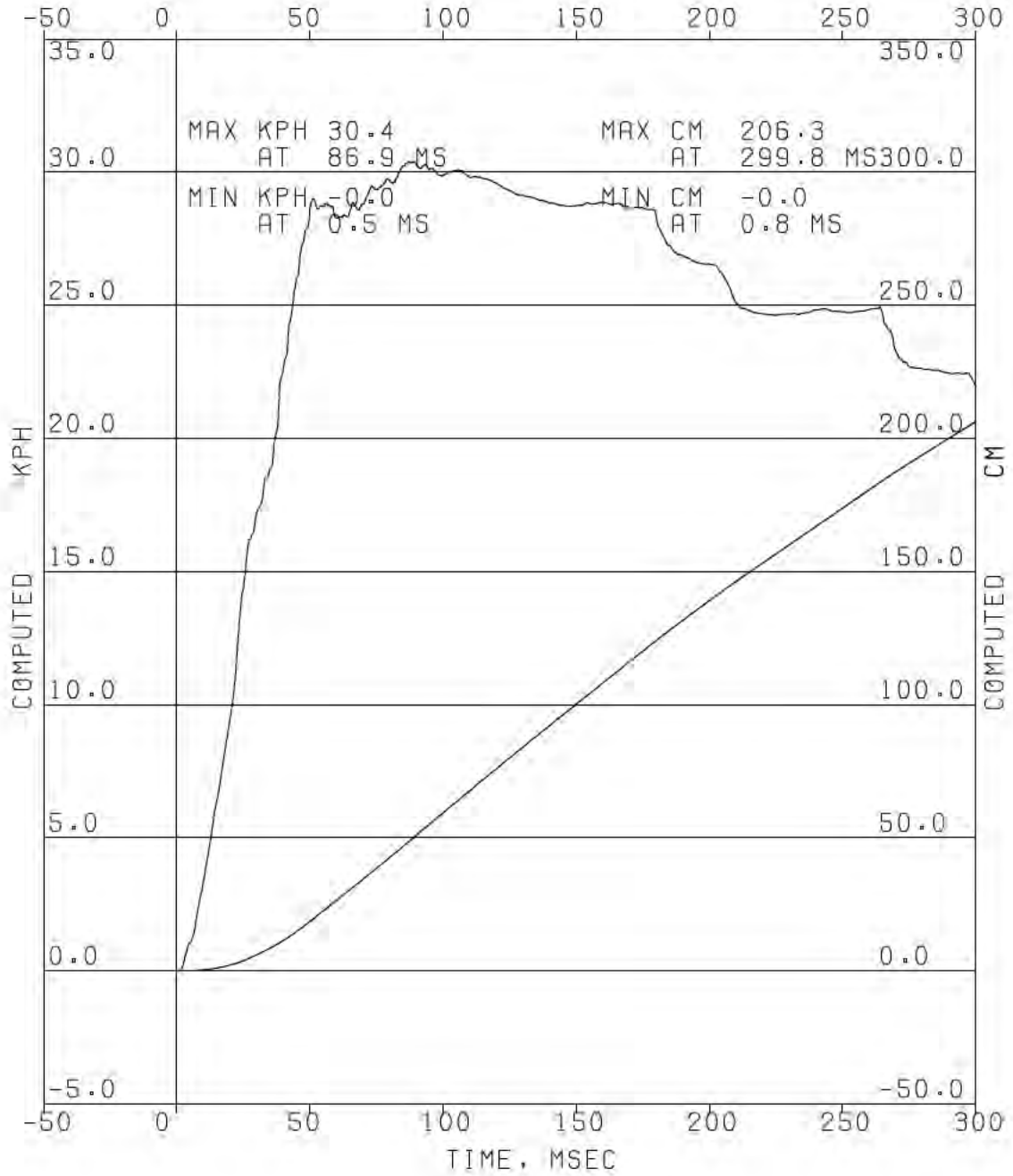


VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 012 ?? M-ADJ RT RAIL MID X P24084

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

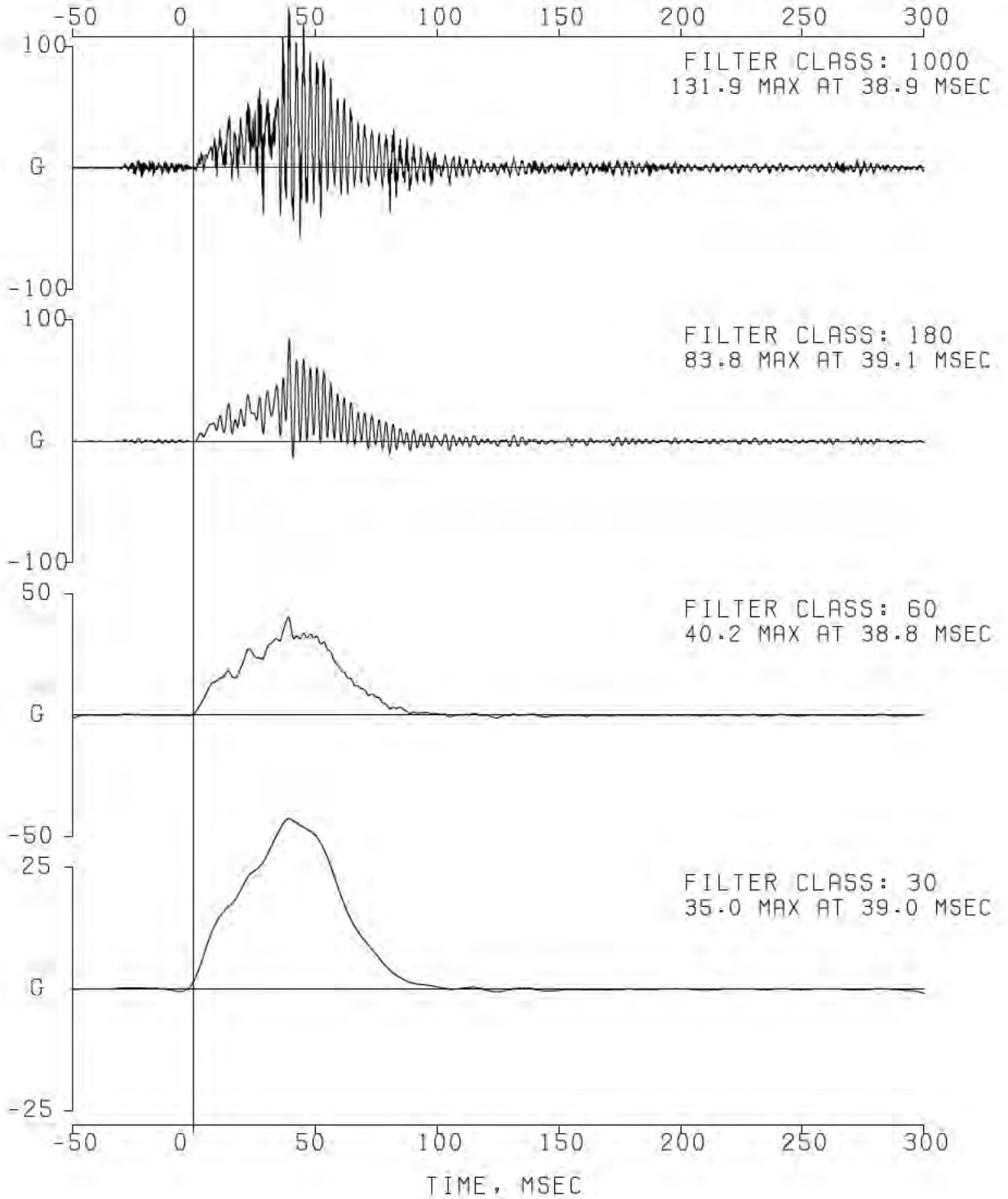
IMPACT ANALYSIS DEPT. 5320
SEP 11, 2006

DATA SET 09/11/06BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 013 ?? M-ADJ FRONT XMBR X P34829
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11, 2006 ERRATA 1

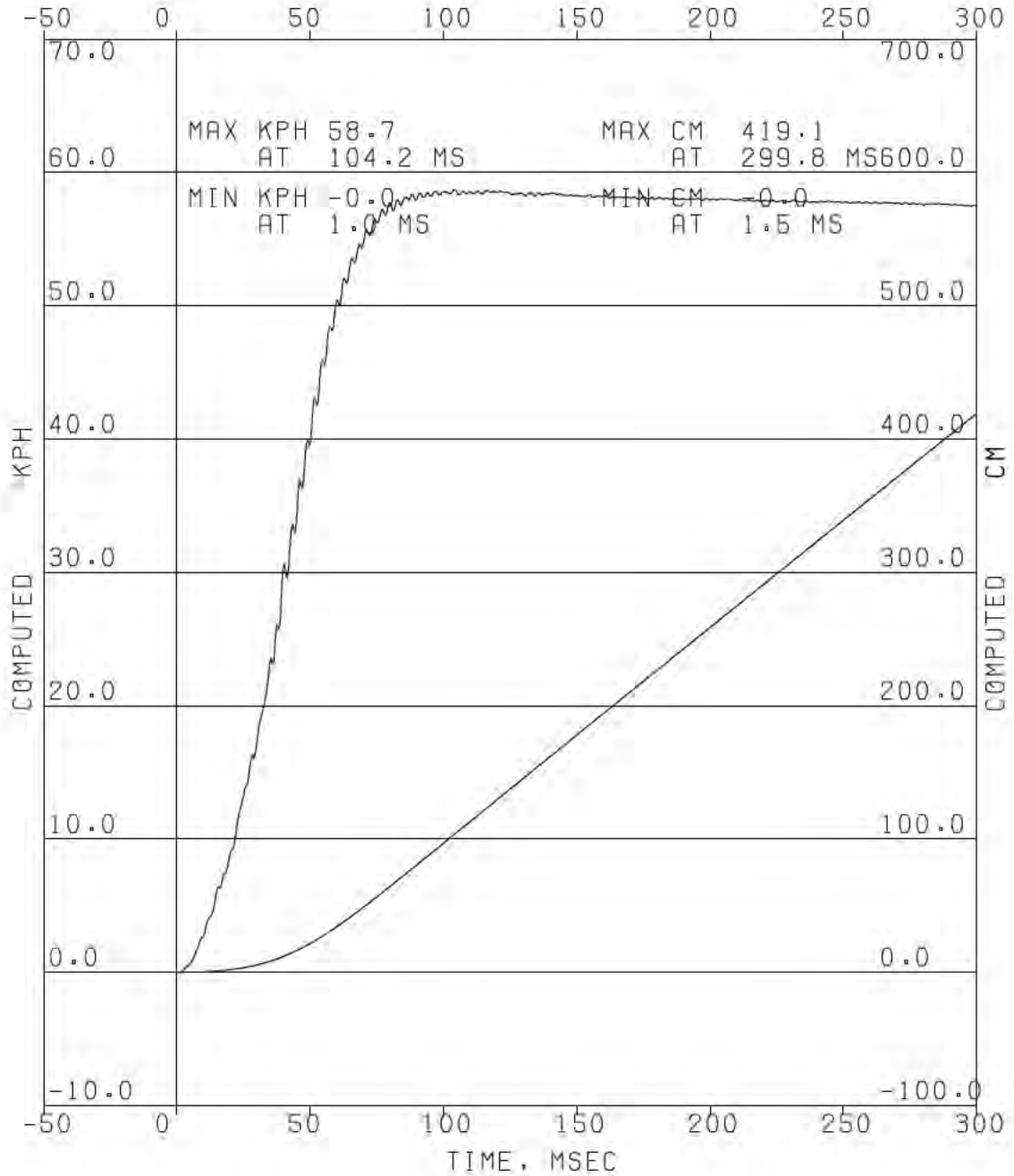


VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 013 ?? M-ADJ FRONT XMBR X P34829

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
FILTER CLASS: 1000

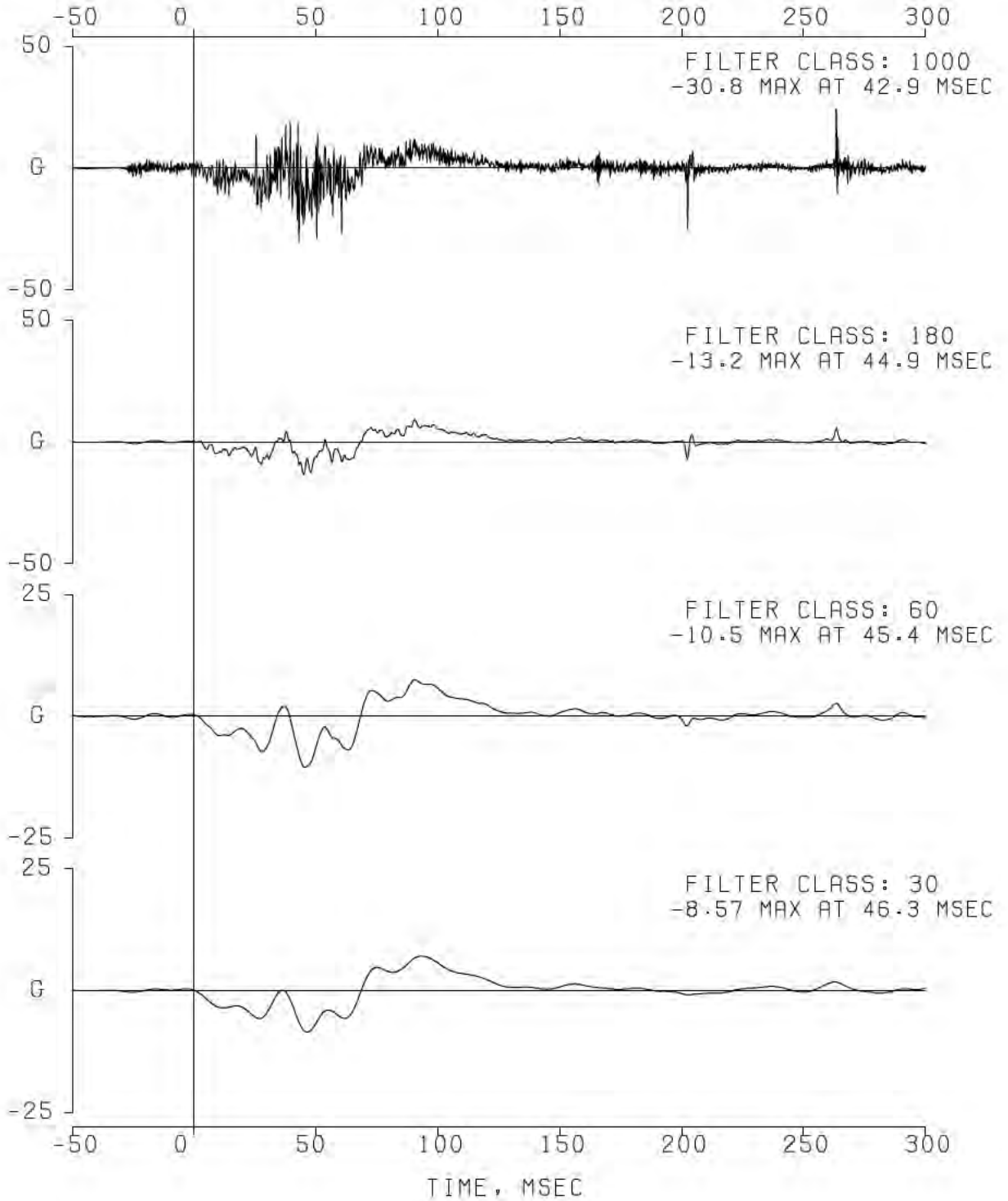
IMPACT ANALYSIS DEPT. 5320
SEP 11, 2006

DATA SET 09/11/06BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
CHANNEL 015 ?? M-ADJ REAR XMBR Y P37813
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 09/11/06BE
SEP 11,2006 ERRATA 1



TITLE: Page Index of EDP plots Pages 001 - 031
***** VC13916A ***** Page I-01

TITLE: Transducer Summary Reports Pages 001 - 002
SYSTEM: METRIC
PAGE: 001 TSR Channels 001 - 008
PAGE: 002 TSR Channels 009 - 015

***** VC13916B *****

TITLE: Vehicle Channels Pages 003 - 031
SYSTEM: METRIC
PAGE: 003 Average of Sill Chls 2, 4, 7, & 10
PAGE: 004 Average of Frt Sill Chls 2 & 4
PAGE: 005 SENSOR LT FRT C/ZONE X, Chl 1 *C*
PAGE: 006 SENSOR LT FRT C/ZONE X, Chl 1, VD *C*
PAGE: 007 LEFT FRONT SILL X, Chl 2
PAGE: 008 LEFT FRONT SILL X, Chl 2, VD
PAGE: 009 SENSOR RT FRT C/ZONE X, Chl 3 *C*
PAGE: 010 SENSOR RT FRT C/ZONE X, Chl 3, VD *C*
PAGE: 011 RIGHT FRONT SILL X, Chl 4
PAGE: 012 RIGHT FRONT SILL X, Chl 4, VD
PAGE: 013 AECM MODULE OUTER X, Chl 5
PAGE: 014 AECM MODULE OUTER X, Chl 5, VD
PAGE: 015 AECM MODULE OUTER Y, Chl 6
PAGE: 016 LEFT REAR SILL X, Chl 7
PAGE: 017 LEFT REAR SILL X, Chl 7, VD
PAGE: 018 SWING GATE DOOR HANDLEX, Chl 8
PAGE: 019 SWING GATE DOOR HANDLEX, Chl 8, VD
PAGE: 020 SPARE TIRE LOAD LB, Chl 9, CFC 600
PAGE: 021 SPARE TIRE LOAD LB, Chl 9, CFC 60
PAGE: 022 RIGHT REAR SILL X, Chl 10
PAGE: 023 RIGHT REAR SILL X, Chl 10, VD
PAGE: 024 ?? M-ADJ LT RAIL MID X, Chl 11
PAGE: 025 ?? M-ADJ LT RAIL MID X, Chl 11, VD
PAGE: 026 ?? M-ADJ RT RAIL MID X, Chl 12
PAGE: 027 ?? M-ADJ RT RAIL MID X, Chl 12, VD
PAGE: 028 ?? M-ADJ FRONT XMBR X, Chl 13
PAGE: 029 ?? M-ADJ FRONT XMBR X, Chl 13, VD
PAGE: 030 ?? M-ADJ FRONT XMBR Y, Chl 14
PAGE: 031 ?? M-ADJ REAR XMBR Y, Chl 15

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
TEST DATE 09/11/06
TEST SITE CPG

TEST PURPOSE PRIMARY, 2008 FMVSS 301 COMPLIANCE

IMPACT TYPE TARGET SPEED; 80.00 KPH
DAMAGE LOCATION; REAR LEFT
BARRIER TYPE; REAR TYPE V ADJUSTABLE
BARRIER SURFACE; PLASCORE

VEHICLE BODY CLASS; WK
CAR LINE; NONE
BODY; 74
ENGINE; EXL
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8HR58287C [REDACTED]
VIN AS BUILT; 1J8HR58287C [REDACTED]

TEST SPEED 81.80000 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 2445.81 TOTAL, 1315.89 FRONT, 1129.92 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-42
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-46
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2007.5 S1 WK NAFTA DIESEL
MODIFIED BUILD:
REPLACE ANY AND ALL PARTS REMOVED FOR THE FIRST ST
RIKE (2ND ROW SEAT, SPARE TIRE, LIFTGATE).REPLACE
ORC WITH 50G ORC WITH INTERNAL-MONITORING CAPABILI
TY, FLASHED WITH PRODUCTION CALIBRATION, LEVEL 9F0
B.
MODIFIED EMD BUILD:
PURGED SYSTEM OF FUEL, PRESSURE CHECKED IT, AND FI
LLED IT WITH THREE GALLONS OF STODDARD SOLVENT.

TARGET WEIGHT(KG) 2445.35 TOTAL, 0.00 FRONT, 0.00 REAR
INCLUDING BALLAST AND OCCUPANTS

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 02

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
TEST DATE 09/11/06
TEST SITE CPG
FUEL AND BALLAST 78.0 LITRES STODDARD SOLVENT
NONE
KG ADDITIONAL BALLAST WEIGHTS
0.00 KG BALLAST WEIGHT SECURED IN CARGO AREA

POST TEST REMARKS POST-TEST MEASUREMENTS REQ :
POST-TEST TEST COMMENTS :

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA
DISTRIBUTION M. STEBELTON 422-05-01 (AB)
K. TRUDGEON 514-17-39 (AB)

DATE 09/11/06 TIME 14:11:46.



BEEN DRAINED,
HAS 3 GALLONS OF
FUEL.

66

6-1016

VC 13916 post

EA12-005 Peer - Chrysler - 08347



VC13916
EA12-005 Peer - Chrysler - 08348
Post



VC13916
Post



VC13916
Post

EA12-005 Peer - Chrysler - 08350



BEEN DRAINED,
HAS 3 GALLONS C.F
ED.

Develop 106
6-1016

VC13916
Post



EA12-005 Peer - Chrysler - 08352

VC13916

Post

VC13916
Post







x4
LIMITED

7L





VC 13916 post



VC 13916 post

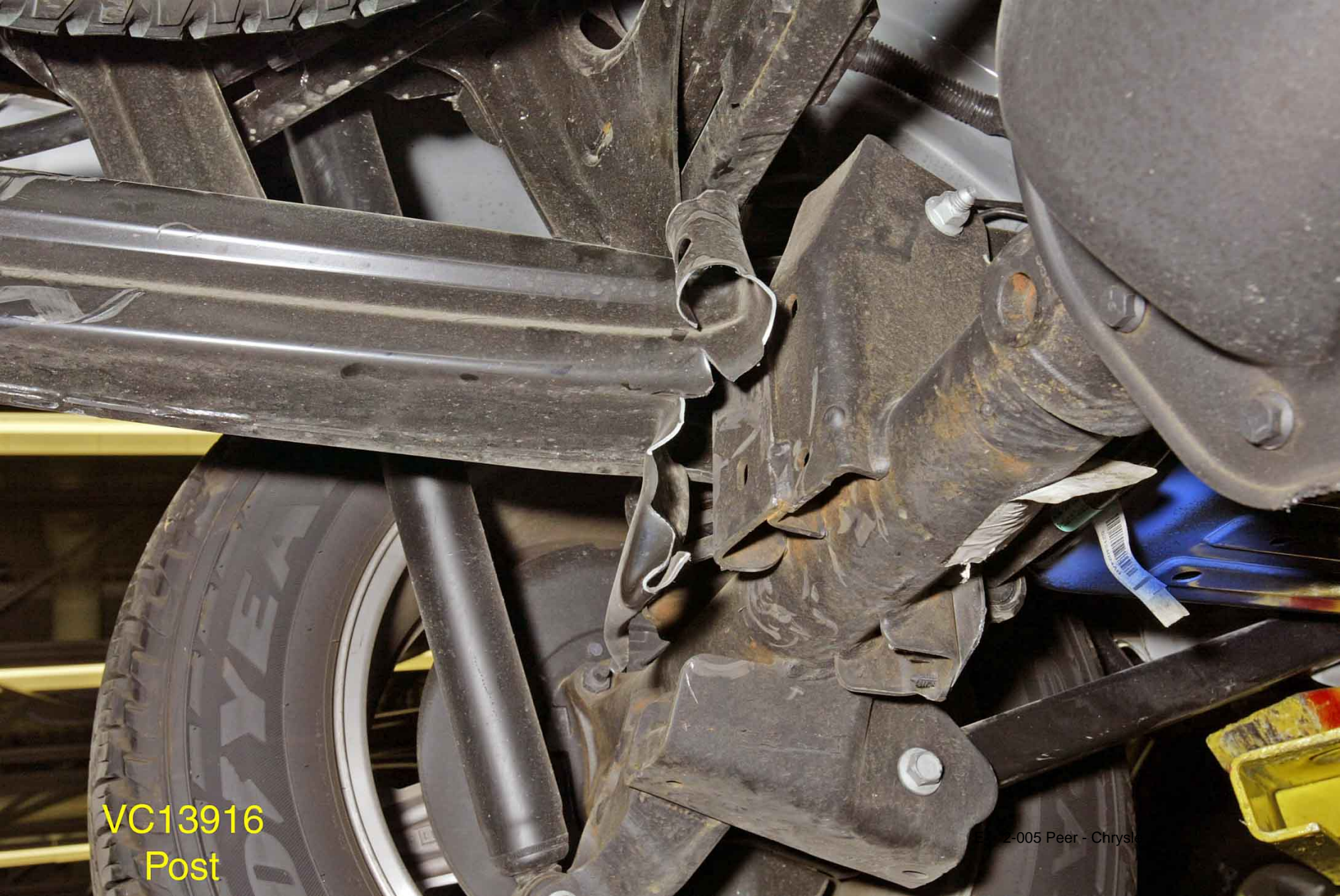
VC13916
Post





VC13916
Post

EA12-005 Peer - Chrysler - 08360



VC13916
Post

2-005 Peer - Chrysler



EA12-005 Peer - Chrysler - 08362

VC13916 Pre



13916

LIMITED

S7L





13916

13916

13916

335

4x4
LIMITED

2016
GAL
5.5



VC 13916 pre







EA12-005 Peer - Chrysler - 08360

VC13916 Pre





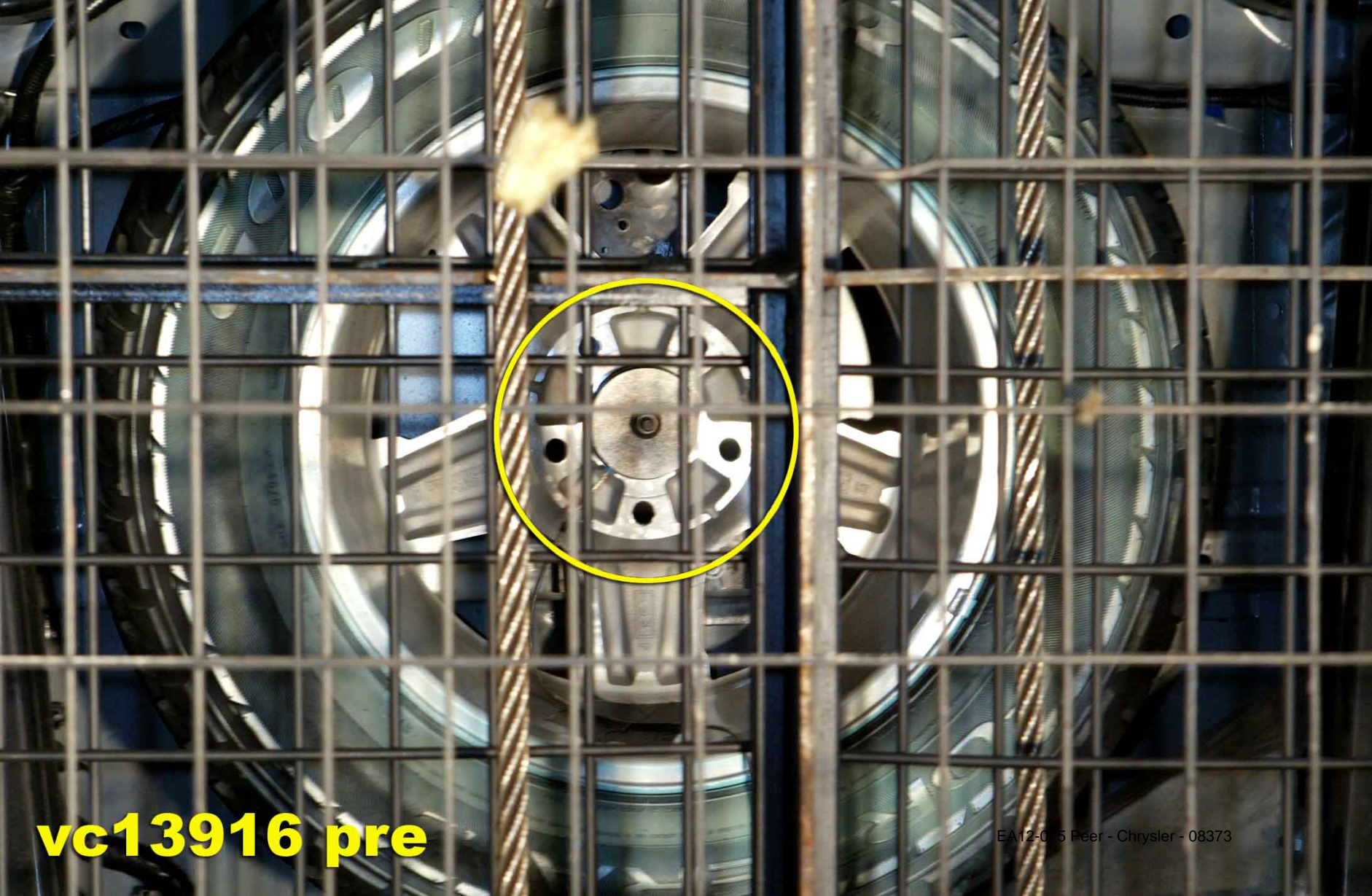
EA12-005 Peer - Chrysler - 08371

VC13916 Pre



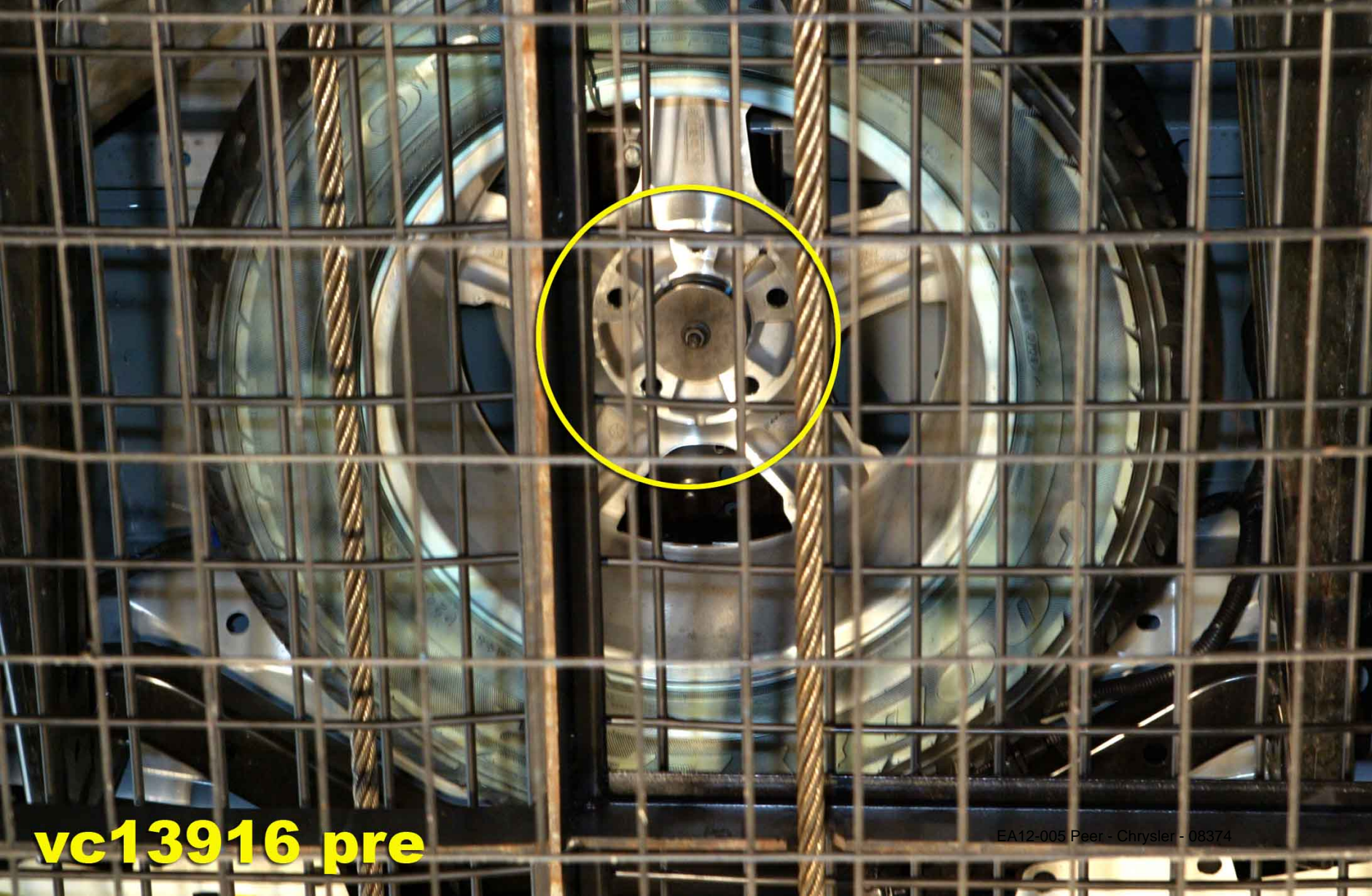
EA12-005 F... yslar - 08372

VC13916 Pre



vc13916 pre

EA12-0 5 Peer - Chrysler - 08373



vc13916 pre

EA12-005 Peer - Chrysler - 08374

DATE 09/11/06
TIME 16:31:39.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC13916 ITEM L7WKJ1437
VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST
TEST DATE 09/11/06
TEST SITE CPG

TEST PURPOSE PRIMARY, 2008 FMVSS 301 COMPLIANCE

IMPACT TYPE TARGET SPEED; 80.00 KPH
DAMAGE LOCATION; REAR LEFT
BARRIER TYPE; REAR TYPE V ADJUSTABLE
BARRIER SURFACE; PLASCORE

VEHICLE BODY CLASS; WK
CAR LINE; NONE
BODY; 74
ENGINE; EXL
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8HR58287C [REDACTED]
VIN AS BUILT; 1J8HR58287C [REDACTED]

TEST SPEED 81.80000 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 2445.81 TOTAL, 1315.89 FRONT, 1129.92 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-42
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-46
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2007.5 S1 WK NAFTA DIESEL
MODIFIED BUILD:
REPLACE ANY AND ALL PARTS REMOVED FOR THE FIRST STRIKE (2ND ROW SEAT, SPARE TIRE, LIFTGATE).REPLACE ORC WITH 50G ORC WITH INTERNAL-MONITORING CAPABILITY, FLASHED WITH PRODUCTION CALIBRATION, LEVEL 9F0 B.
MODIFIED EMD BUILD:
PURGED SYSTEM OF FUEL, PRESSURE CHECKED IT, AND FILLED IT WITH THREE GALLONS OF STODDARD SOLVENT.

TARGET WEIGHT(KG) 2445.35 TOTAL, 0.00 FRONT, 0.00 REAR
INCLUDING BALLAST AND OCCUPANTS

DATE 09/11/06
TIME 16:31:39.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC13916 ITEM L7WKJ1437
VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST

TEST DATE 09/11/06

TEST SITE CPG

FUEL AND BALLAST 78.0 LITRES STODDARD SOLVENT

NONE

KG ADDITIONAL BALLAST WEIGHTS

0.00 KG BALLAST WEIGHT SECURED IN CARGO AREA

POST TEST REMARKS POST-TEST MEASUREMENTS REQ :

POST-TEST TEST COMMENTS :

EDP TECHNICIAN S. MARCHENIA

No. of Pages 31
CC

M. STEBELTON 422-05-01
K. TRUDGEON 514-17-39

DATE 09/11/06
TIME 16:31:59.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST

TEST DATE 09/11/06 SPEED 81.8 TEST WT 2445.8

LIBRARY VC13916

Errata # 1 Data Set 09/11/06BE CHL001-015 50.8 REAR VC13916E

The data is displayed in the Metric system of Units (G, CM, N, N-M, KPH, etc.)

| CHL | TRANSDUCER LOCATION | | DCX 1000 CFC PEAK | DCX 600 CFC PEAK | PH 180 CFC PEAK | PH 60 CFC PEAK | AT 300MS | | |
|-----|-------------------------|---|----------------------------|---------------------------|--------------------------|-------------------------|-------------|-------|------|
| 1 | SENSOR LT FRT C/ZONE | X | P13456 | -55.3 | -47.6 | -33.6 | -24.2 | G | KPH* |
| 2 | LEFT FRONT SILL | X | E05Z09 | -70.7 | -58.8 | -48.5 | -33.7 | -30.8 | KPH |
| 3 | SENSOR RT FRT C/ZONE | X | P17619 | -67.6 | -55.6 | -35.7 | -24.7 | G | KPH* |
| 4 | RIGHT FRONT SILL | X | P18365 | -53.4 | -50.3 | -42.2 | -31.0 | -32.7 | KPH |
| 5 | AECM MODULE OUTER | X | P15686 | -41.6 | -39.5 | -35.2 | -28.0 | -32.7 | KPH |
| 6 | AECM MODULE OUTER | Y | P15175 | 49.8 | 49.9 | 39.7 | 11.3 | 0.7 | KPH |
| 7 | LEFT REAR SILL | X | P22054 | -152.3 | -132.7 | -65.5 | -35.2 | -30.5 | KPH |
| 8 | SWING GATE DOOR HANDLEX | | ETBB914 | -554.3 | -401.2 | -151.5 | -94.3 | -37.2 | KPH |
| 9 | SPARE TIRE LOAD LB | | EE | | 47624.6 | N | | | |
| 10 | RIGHT REAR SILL | X | P13592 | 189.5 | 137.1 | 86.3 | 49.5 | -18.3 | KPH |
| 11 | ?? M-ADJ LT RAIL MID | X | P36049 | 69.7 | 57.8 | 39.4 | 34.4 | 55.5 | KPH |
| 12 | ?? M-ADJ RT RAIL MID | X | P24084 | 71.0 | 67.4 | 39.1 | 30.7 | 22.0 | KPH |
| 13 | ?? M-ADJ FRONT XMBR | X | P34829 | 131.9 | 120.8 | 83.8 | 40.2 | 57.5 | KPH |
| 14 | ?? M-ADJ FRONT XMBR | Y | P12453 | 43.7 | 33.7 | -16.9 | 13.0 | 3.6 | KPH |
| 15 | ?? M-ADJ REAR XMBR | Y | P37813 | -30.8 | -26.0 | -13.2 | -10.5 | 0.3 | KPH |

Multi-Channel Plot data

CHLS 2 4 7 1 & 0 CL PH60 AVERAGE OF FRT SILL -238.3G AT .2 MS

CHLS & 2 4 CL PH60 AVERAGE OF FRT SILL -245.7G AT .4 MS

* - See Notes & Comments page

DATE 09/11/06
TIME 16:31:59.

TEST VALUES
NOTES & COMMENTS

SAFETY TEST
DEPT 5320

VC13916 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM L7WKJ1437
07 WK, FMVSS 301 COMPLIANCE TEST

LIBRARY VC13916

Errata # 1 Data Set 09/11/06BE CHL001-015 50.8 REAR VC13916E

CHL 1 *C* ***** INST. MALFUNCTION AFTER 46.0 MS *****

CHL 3 *C* ***** INST. MALFUNCTION AFTER 60.9 MS *****

