

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

2006 - 2010 Commander (XK)

Compliance

VC12454

VC12454

SIDE IMPACTOR BARRIER CERTIFICATION

Date: December 13, 2004
To: Chrysler Corp.
1252 Chelsea Proving Grounds
3700 S. M-52 Highway
Chelsea, MI 48118-9600

PURCHASE ORDER INFORMATION

Customer P.O. Number: JZR2388952-A
Work Order Number: 112158
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: 070A1104

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.

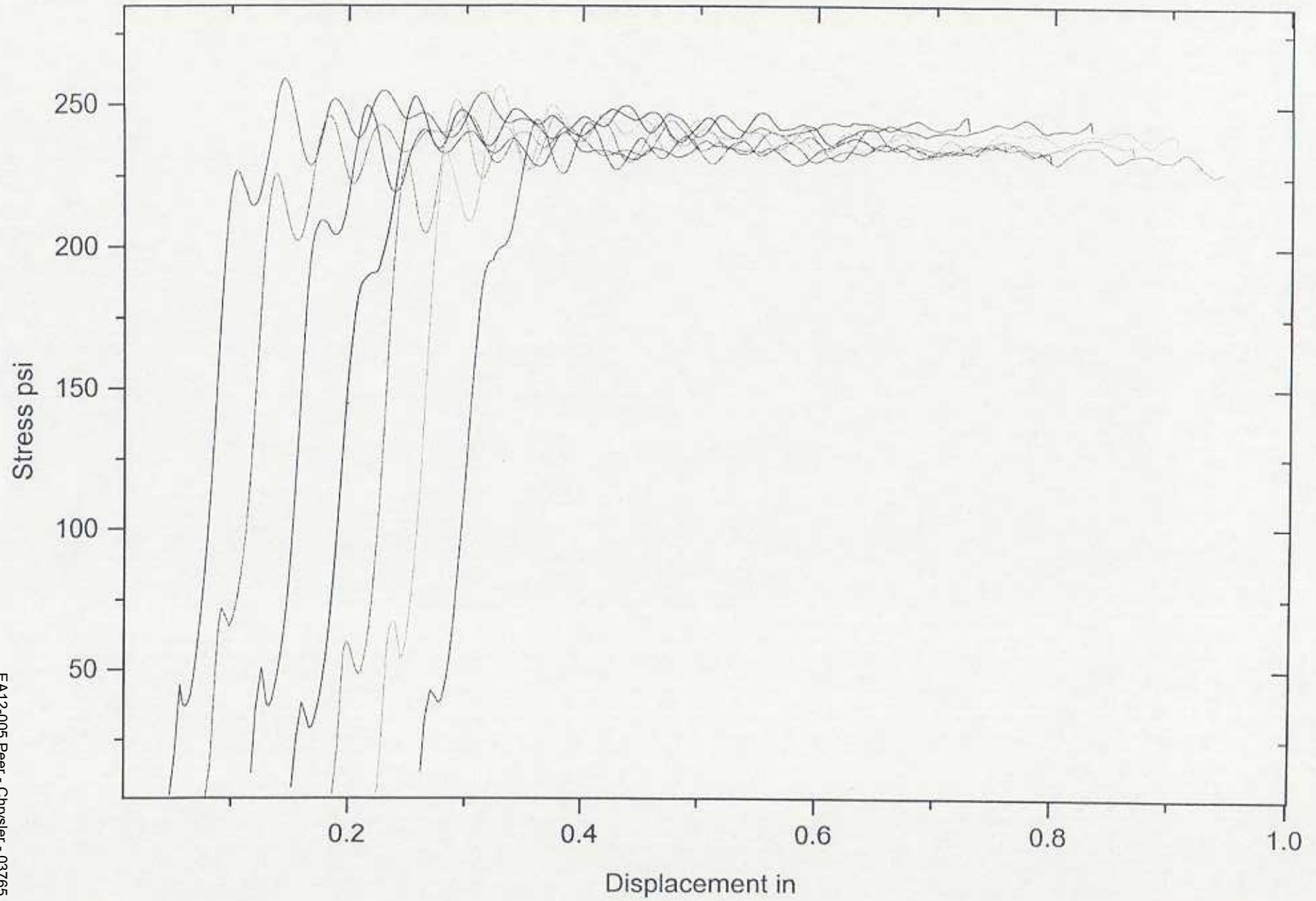

Quality Control Representative
Karl D. Zwaanstra



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

Block Number: 070A1104

<u>Specimen Number</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1	244.23	242.15	242.84
2	236.74	236.44	235.63
3	233.81	234.18	234.43
4	243.14	241.07	241.94
5	237.98	237.84	235.48
6	238.35	236.11	237.60
7	233.94	234.27	232.66





SIDE IMPACTOR BARRIER CERTIFICATION

Date: December 13, 2004
To: Chrysler Corp.
1252 Chelsea Proving Grounds
3700 S. M-52 Highway
Chelsea, MI 48118-9600

PURCHASE ORDER INFORMATION


Customer P.O. Number: JZR2388952-A
Work Order Number: 112158
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: 011B1204

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
Karl D. Zwaanstra





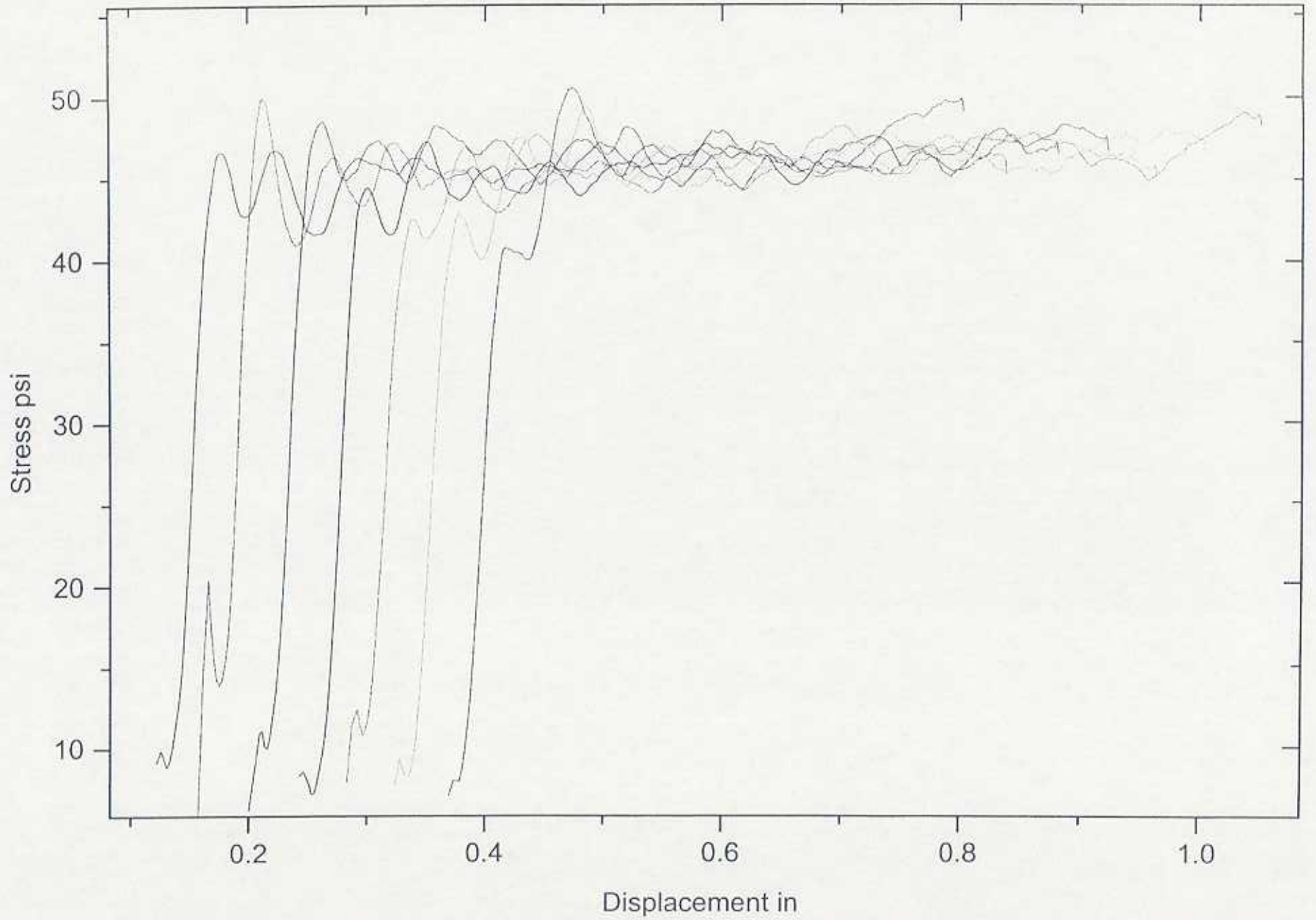
Crush Data

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

Block Number: 011B1204

<u>Specimen Number</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1	45.81	45.88	47.21
2	44.85	45.06	45.24
3	46.58	46.28	46.51
4	46.30	46.32	47.25
5	46.17	47.39	46.05
6	46.28	46.51	47.28
7	45.79	47.16	46.50

BLOCK # 011B1204 Sample ID: IN232182



FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC12454, ITEM NUMBER XKJ-8196, TEST ENGINEER LUDTKE

V.I.N. 1J8HG582360 [REDACTED] TEST DATE 4/12/05 ROLL DATE 4/13/05

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 MPH, TEST WEIGHT 5608 POUNDS.

POST IMPACT LEAKAGE(OZ); AT IMPACT NONE

1ST 5 MIN. ∅

NEXT 25 MIN. ∅

POST TEST PRESSURE CHECK N/A

ELECTRIC FUEL PUMP RUN YES

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE LEFT SIDE DOWN FIRST

		FUEL LEAKAGE LOCATIONS DURING STATIC ROLL				TOTAL
ROLL TIME						
0-90	1ST 5 MIN					0 *
<u>1:33</u>	POST 5 MIN					0 **
90-180	1ST 5 MIN					0 *
<u>1:30</u>	POST 5 MIN					0 **
180-270	1ST 5 MIN					0 *
<u>1:24</u>	POST 5 MIN					0 **
270-360	1ST 5 MIN					0 *
<u>1:24</u>	POST 5 MIN					0 **

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS PASSED

VEHICLE ATTITUDE

TEST NUMBER VC12454

TEST ENGINEER LUDTKE

ITEM NUMBER XKJ-8196

X FENDER/WHEELWELL HEIGHTS _____ SILL HEIGHTS

	LF	LR	RF	RR
AS RECEIVED	32.9	33.8	32.8	33.9
AS BUILT-UP	31.9	33.6	32.0	33.4
AS TESTED	31.9	33.6	32.0	33.4

Test VC12454

Last Requester Update
Last Check

04/05/2005 04:25:28 PM EDT
4/10/2005 7:55:11 AM

VC12454 50.0 MPH ITEM XKJ-8196 06 XK, USA 301-REAR COMPLIANCE TEST TEST DATE 04/12/2005

Analysis	Camera	Lens	Sync	F Stop	HGacq	Pnl	Clb	Skt
1 <input type="checkbox"/>	CATWALK OVERALL							
	1	HG2000 ZOOM mm #1 CAN	<input type="checkbox"/>				350	
2 <input type="checkbox"/>	LEFT OVERALL							
	4	HG2000 ZOOM mm #7 CAN	<input type="checkbox"/>				350	
3 <input type="checkbox"/>	LEFT REAR BUMPER TO BARRIER							
	7	HG2000 ZOOM mm #11 CAN	<input type="checkbox"/>				350	
4 <input type="checkbox"/>	PIT OVERALL							
	10	HG2000 ZOOM mm #4 CAN	<input type="checkbox"/>				350	
5 <input type="checkbox"/>	PIT FUEL TANK							
	16	HG2000 ZOOM mm #10 CAN	<input type="checkbox"/>				350	
6 <input type="checkbox"/>	REAR 45 VEHICLE UNSTRUCKSIDE							
	15	HG2000 ZOOM mm #6 CAN	<input type="checkbox"/>				350	
7 <input type="checkbox"/>	RIGHT OVERALL							
	17	HG2000 ZOOM mm #5 CAN	<input type="checkbox"/>				350	
8 <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 VC12454 ITEM NUMBER XKJ-8196 TEST ENGINEER LUDTKE

	PRE TEST		POST TEST		
1L EXTERIOR DOOR UNLATCH FORCE	64.5		124.0		
1L EXTERIOR DOOR OPENING FORCE	33.0		36.0		
2L EXTERIOR DOOR UNLATCH FORCE	14.0		DID ^(241.0)		
2L EXTERIOR DOOR OPENING FORCE	27.0		NOT OPEN		
1R EXTERIOR DOOR UNLATCH FORCE	63.5		69.0		
1R EXTERIOR DOOR OPENING FORCE	28.5		30.0		
2R EXTERIOR DOOR UNLATCH FORCE	61.5		69.0		
2R EXTERIOR DOOR OPENING FORCE	20.5		42.0		
1L INTERIOR DOOR UNLATCH FORCE					
2L INTERIOR DOOR UNLATCH FORCE					
1R INTERIOR DOOR UNLATCH FORCE					
2R INTERIOR DOOR UNLATCH FORCE					
TAILGATE EXTERIOR UNLATCH FORCE	79.0		WILL NOT		
TAILGATE EXTERIOR OPENING FORCE	116		OPEN		

DATE 04/15/05
TIME 12:40:42.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC12454 ITEM XKJ-8196
VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/12/05
TEST SITE CPG

TEST PURPOSE PRIMARY, 2006 USA 301-REAR COMPLIANCE

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

VEHICLE BODY CLASS; XK
CAR LINE; NONE
BODY; 74
ENGINE; EZB
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8HG582360
VIN AS BUILT; 1J8HG582360

TEST SPEED 80.83 KPH BY FILM ANALYSIS AVERAGE
TEST WEIGHT(KG) 2556.94 TOTAL, 1332.67 FRONT, 1224.27 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-77
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2006 XK S1
MODIFIED BUILD:
REPLACED ORC WITH 50G ORC, WITH INTERNAL-MONITORING
CAPABILITY, FLASHED WITH PRODUCTION CALIBRATION
LEVEL 9E08.
MODIFIED EMD BUILD:
ADDED TRAILER HITCH.PURGED FUEL SYSTEM OF GASOLINE
, PRESSURE CHECKED IT, AND FILLED IT WITH THREE GA
LLONS OF STODDARD SOLVENT.

TARGET WEIGHT(KG) 2543.8 TOTAL, 0.0 FRONT, 0.0 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
NONE
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 04/15/05
TIME 12:40:42.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC12454 ITEM XKJ-8196
VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/12/05
TEST SITE CPG
POST TEST REMARKS POST-TEST MEASUREMENTS REQ :
DOOR EFFORTS RECORDED
POST-TEST TEST COMMENTS :

EDP TECHNICIAN S. MARCHENIA

No. of Pages 33
CC

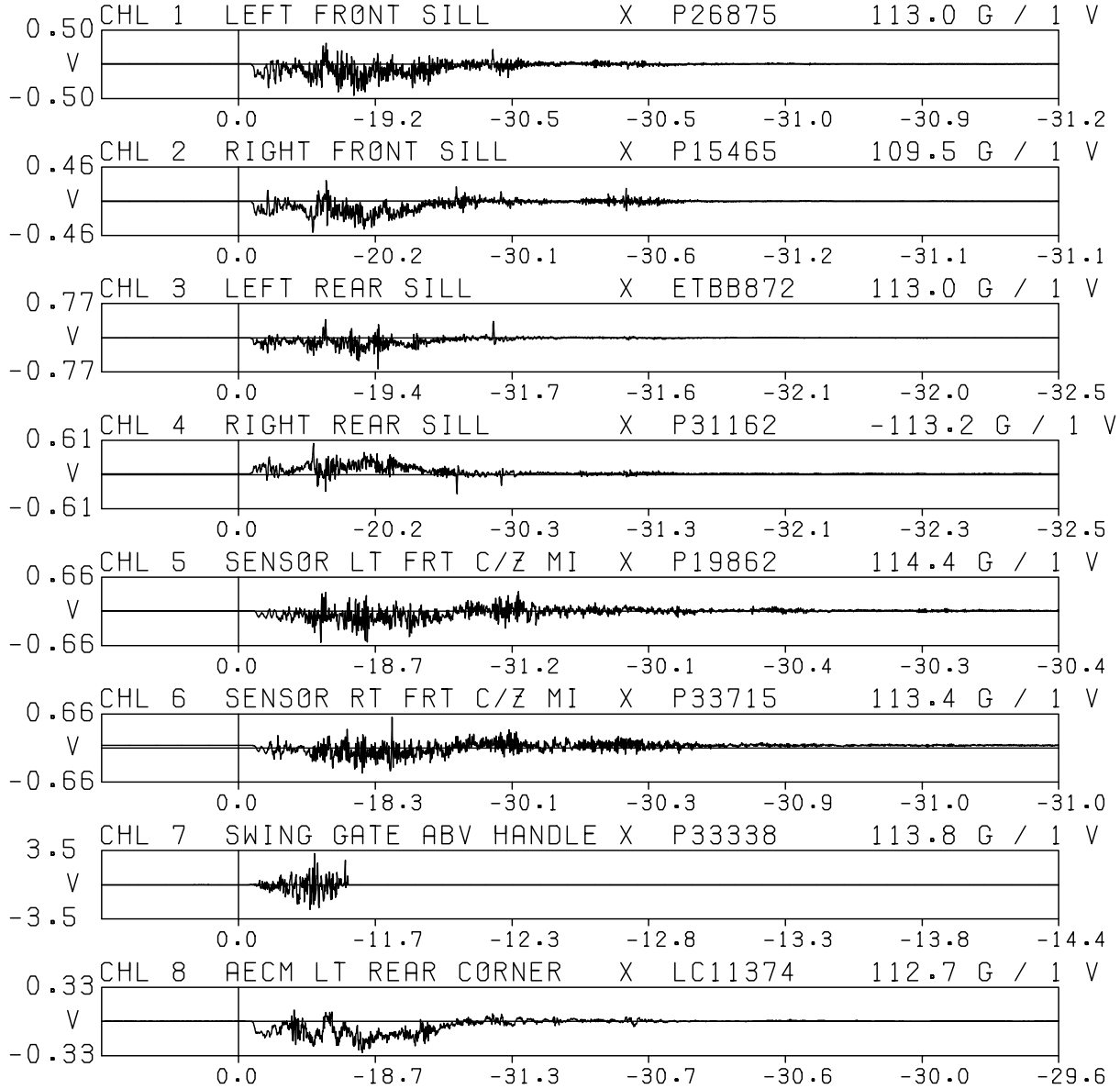
R. BORTOLIN 514-17-39
M. STEBELTON 422-05-01

TRANSDUCER SUMMARY REPORT

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
 06 XK, USA 301-REAR COMPLIANCE TEST
 IMPACT ANALYSIS DEPT. 5320
 APR 15, 2005

DATA SET 04/15/05BA
 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

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196

06 XK, USA 301-REAR COMPLIANCE TEST

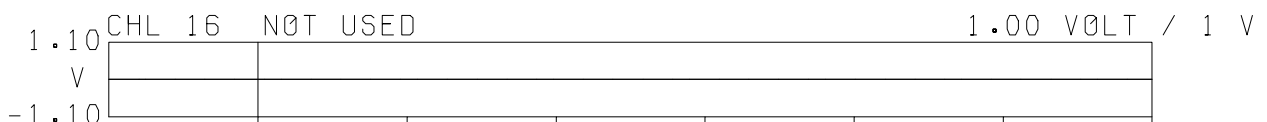
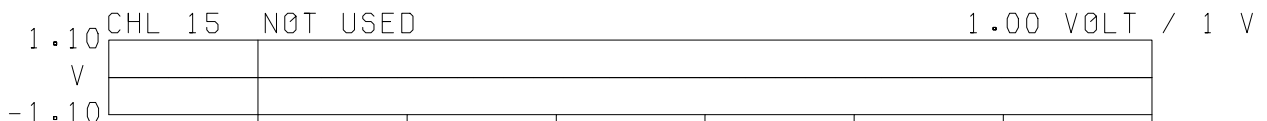
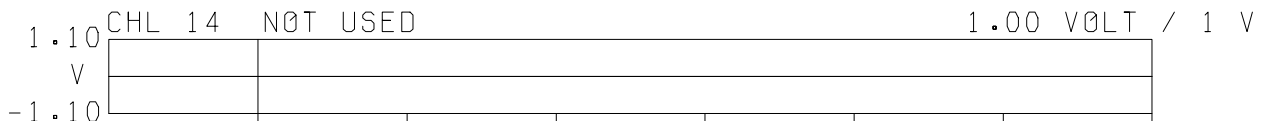
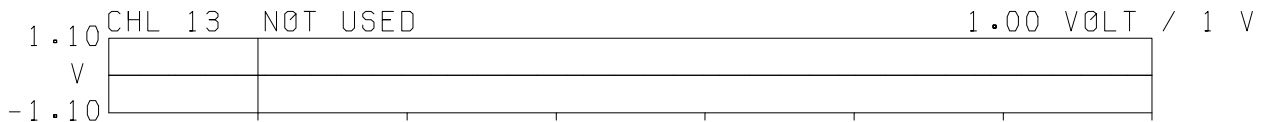
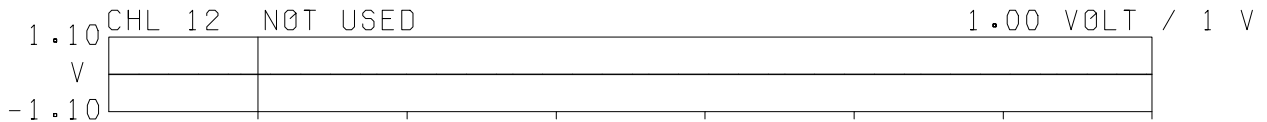
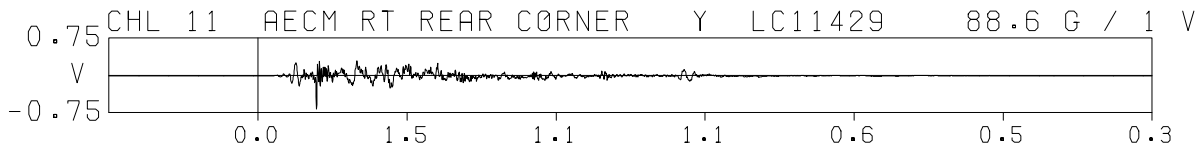
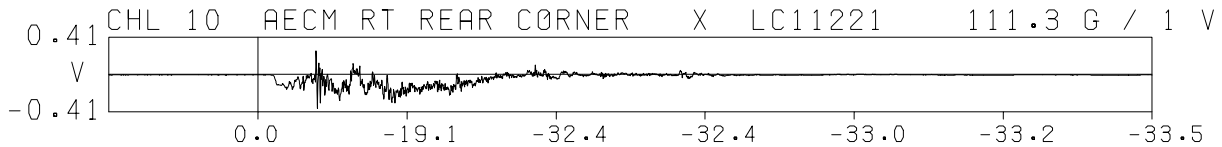
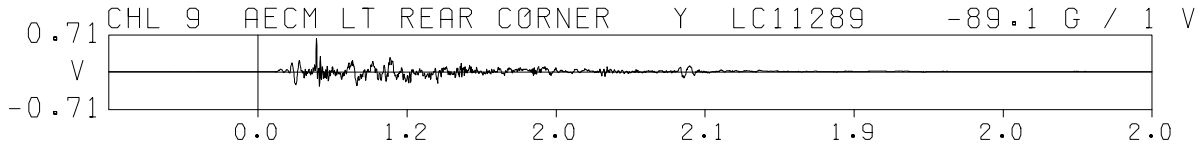
IMPACT ANALYSIS DEPT. 5320

DATA SET 04/15/05BA

APR 15, 2005

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

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196

06 XK, USA 301-REAR COMPLIANCE TEST

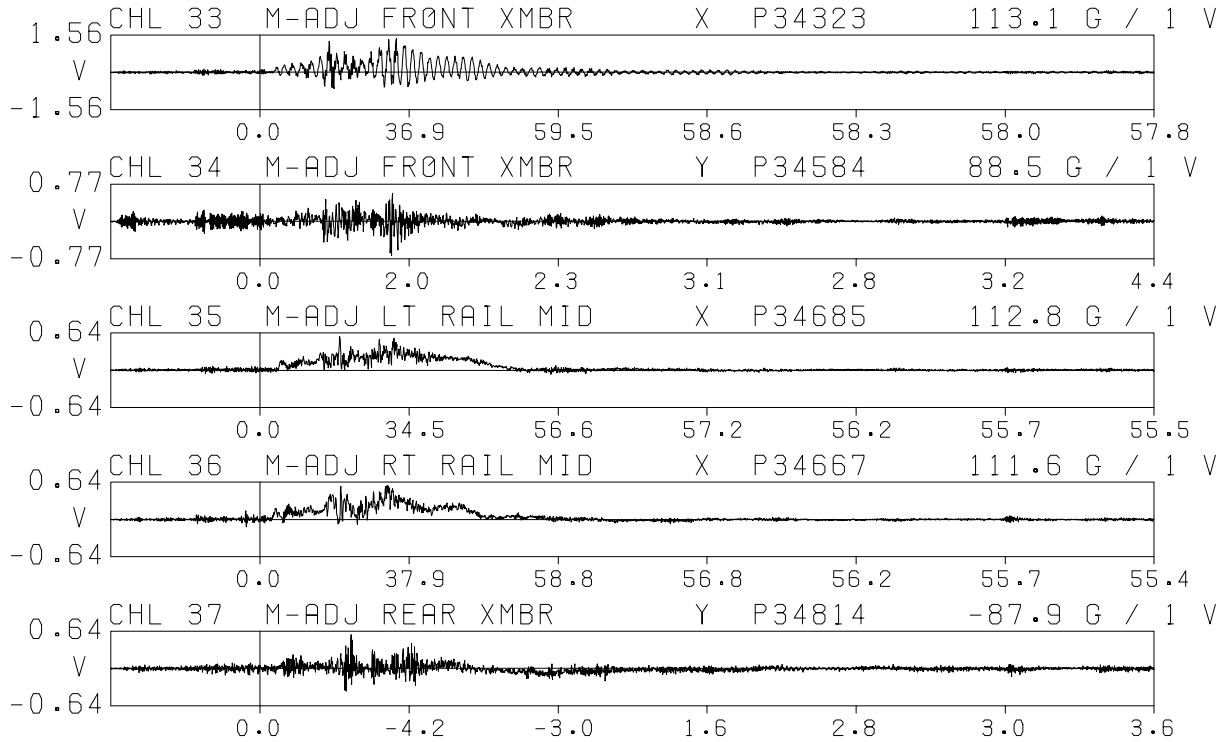
IMPACT ANALYSIS DEPT. 5320

DATA SET 04/15/05BC

APR 15, 2005

ERRATA 1

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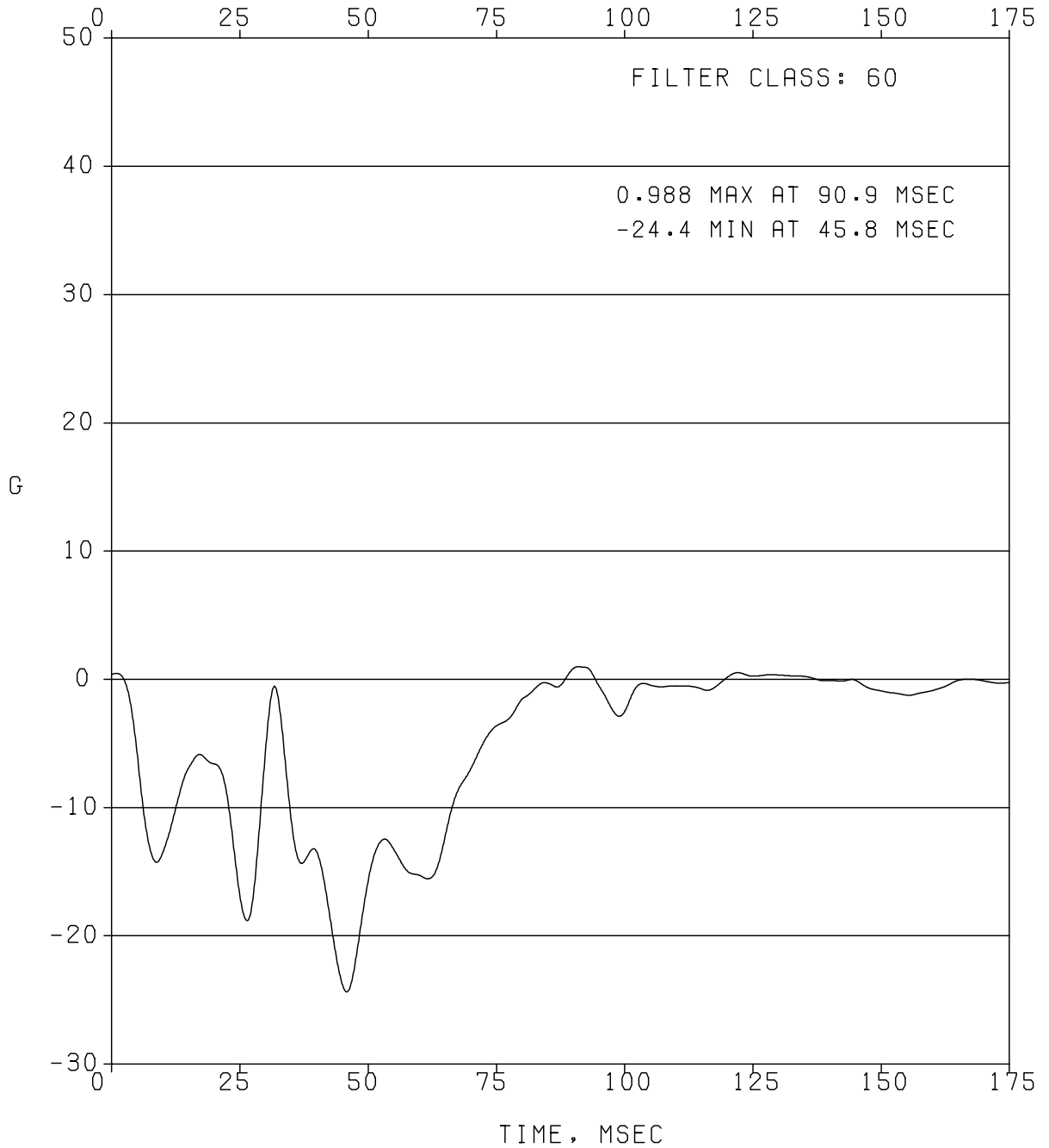
-50 0 50 100 150 200 250 300
TIME, MSEC

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

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
AVERAGE OF

CHANNEL 001	LEFT FRONT SILL	X	P26875
CHANNEL 002	RIGHT FRONT SILL	X	P15465
CHANNEL 003	LEFT REAR SILL	X	ETBB872
CHANNEL 004	RIGHT REAR SILL	X	P31162

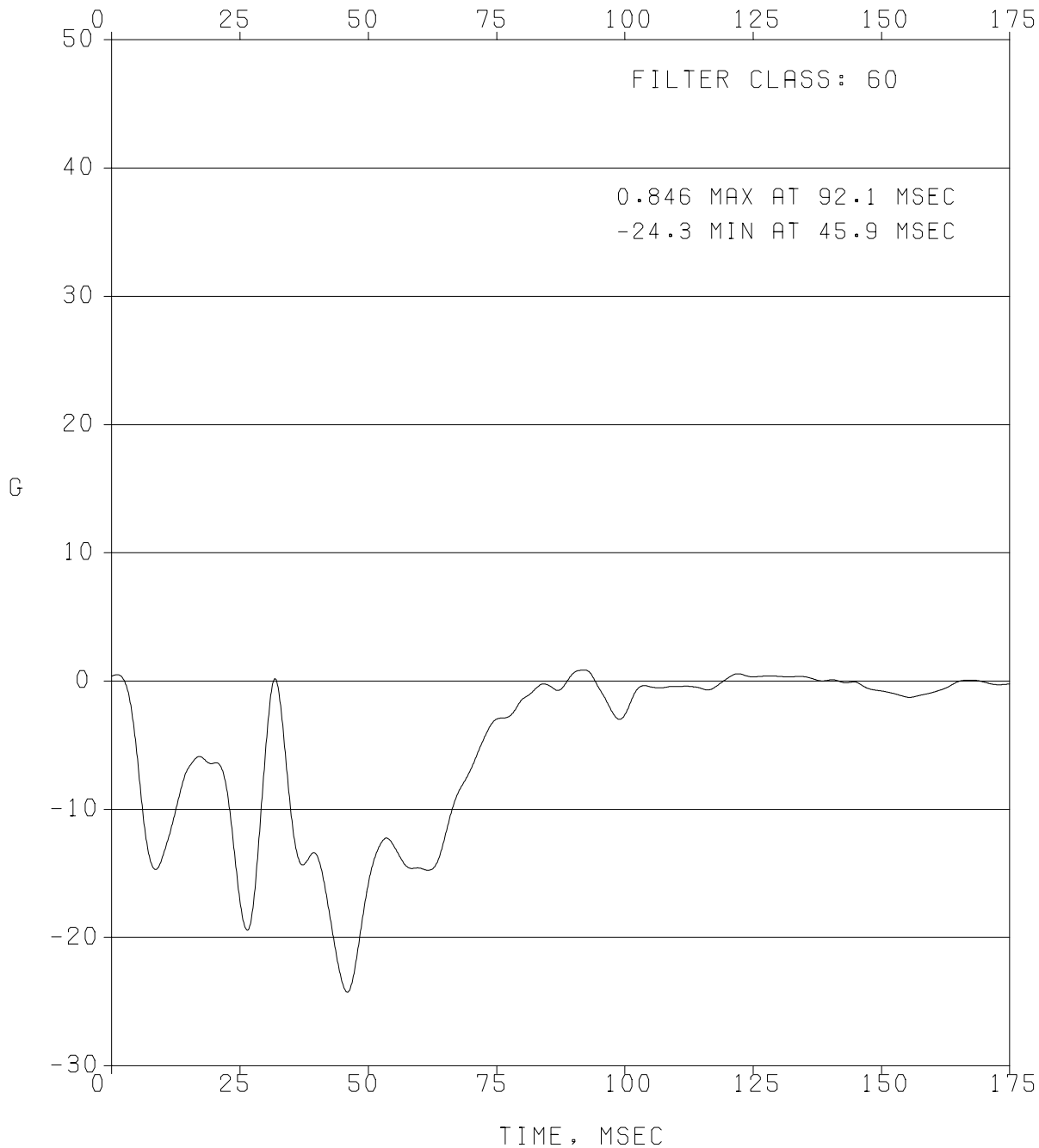
FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15, 2005 ERRATA 1



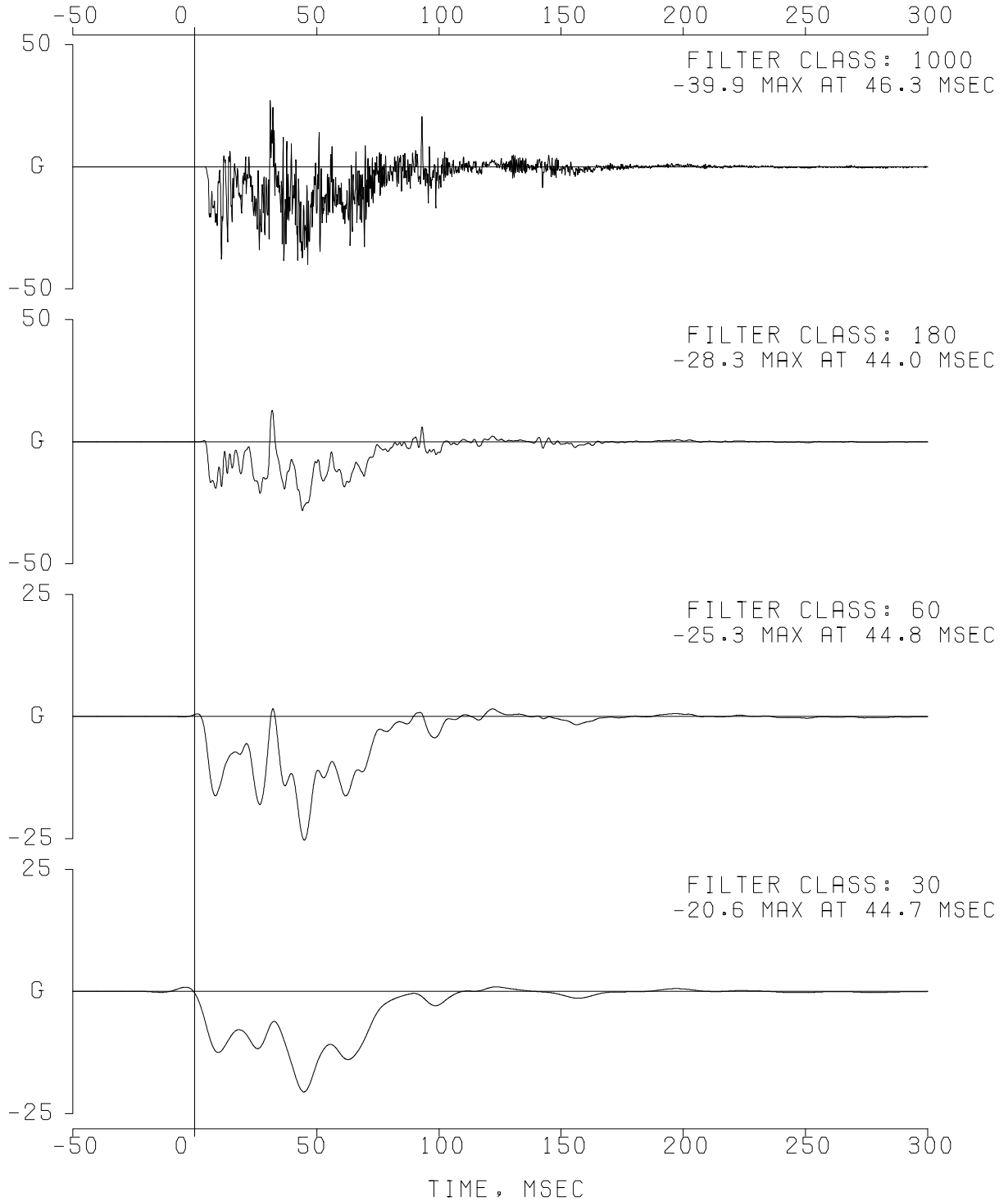
VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X P26875
CHANNEL 002 RIGHT FRONT SILL X P15465

FILTER TYPE: PHASELESS, 4 POLE BUTTERWORTH, 2-PASS (99.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15, 2005 ERRATA 1



VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P26875
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1

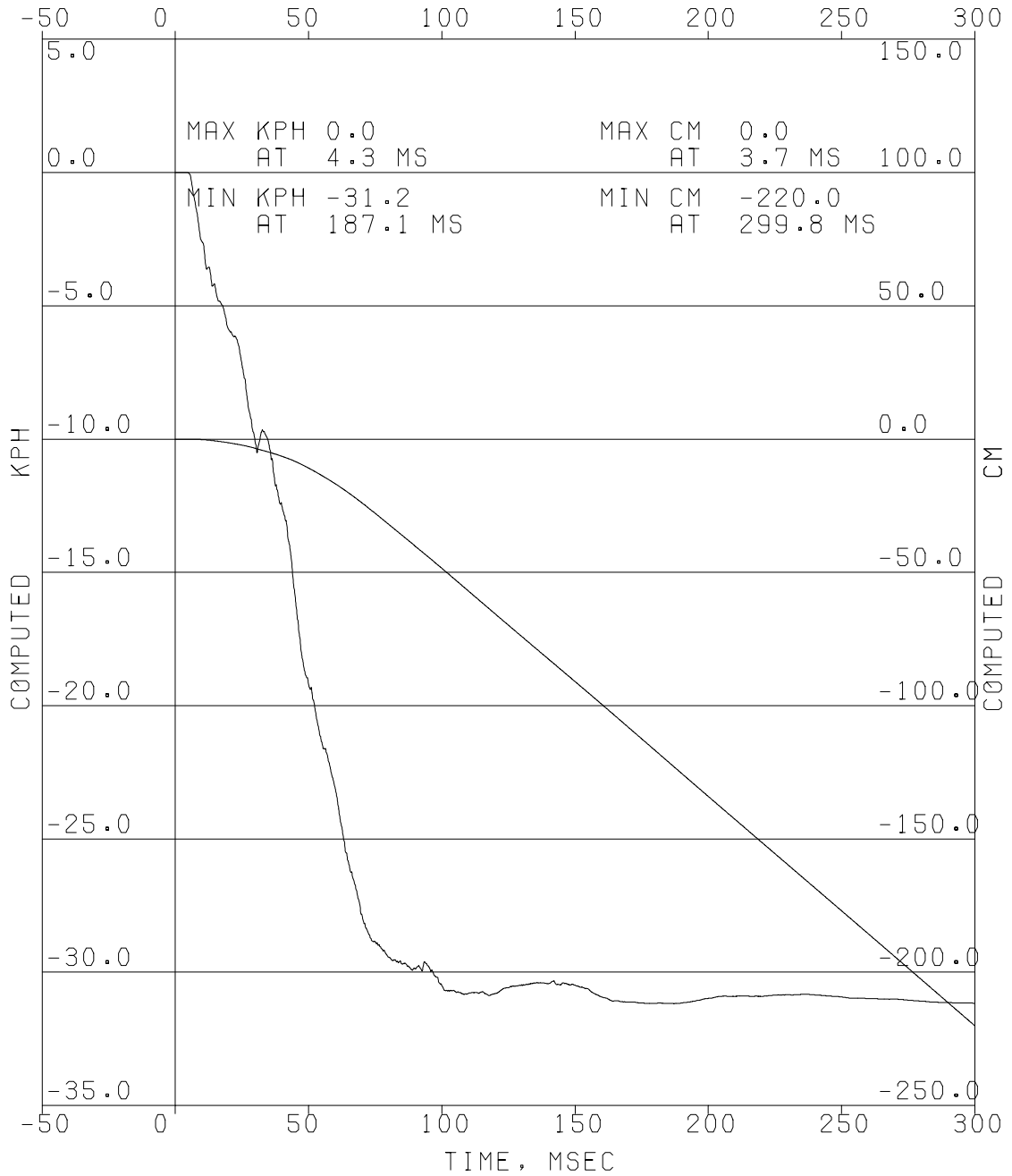


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 001 LEFT FRONT SILL X P26875

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

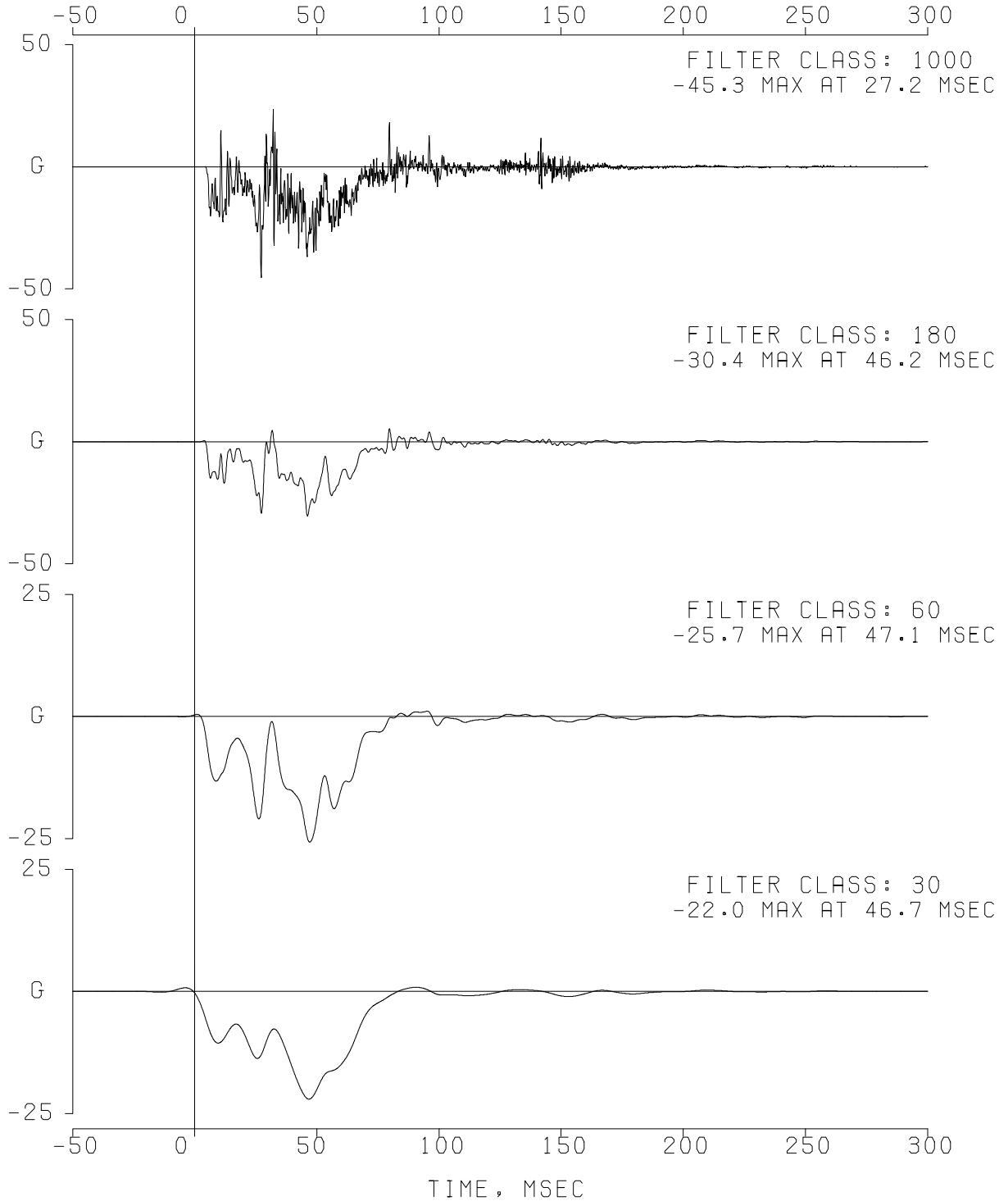
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BA
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 002 RIGHT FRONT SILL X P15465
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1

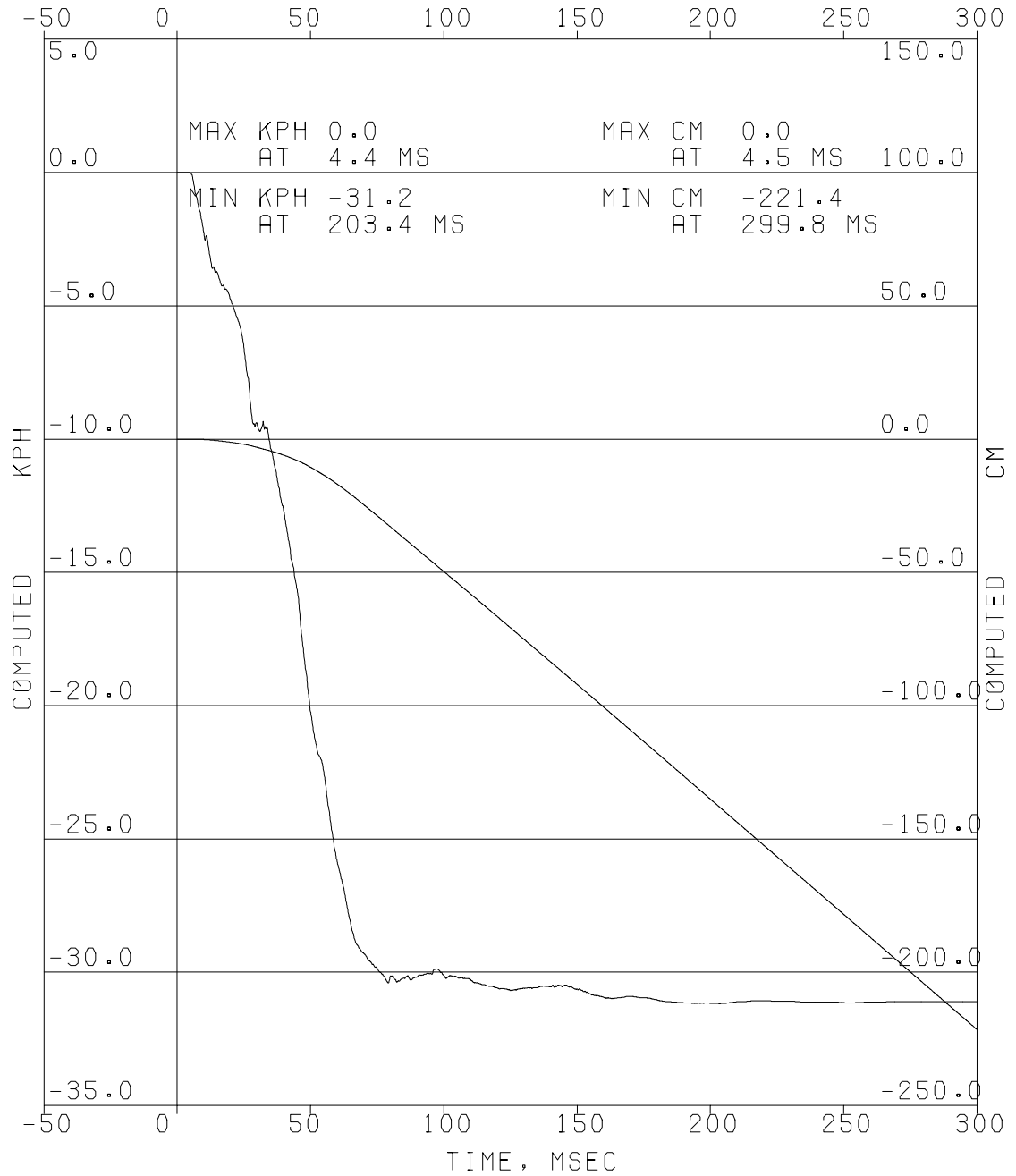


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 002 RIGHT FRONT SILL X P15465

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

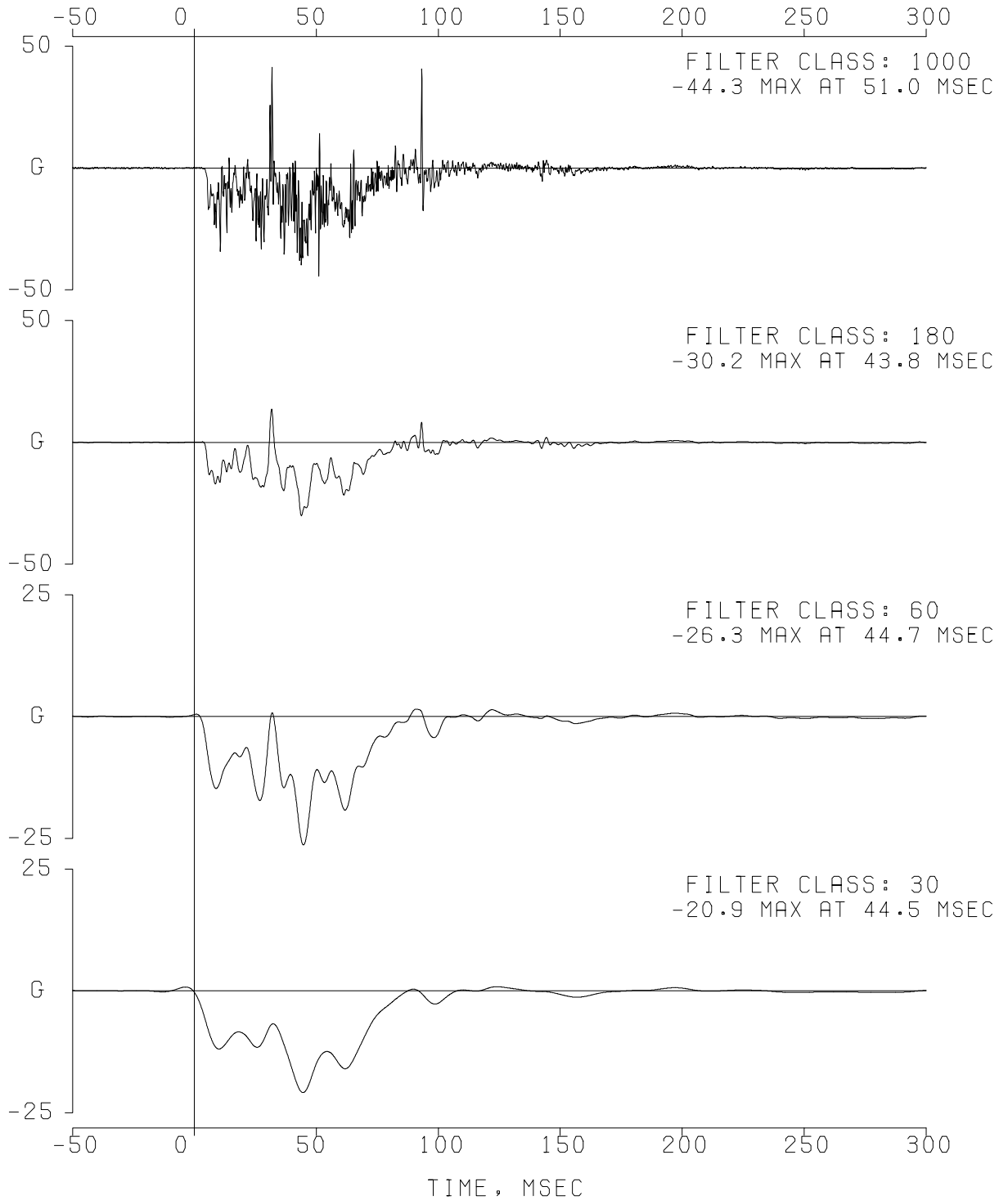
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BA
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 003 LEFT REAR SILL X ETBB872
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1

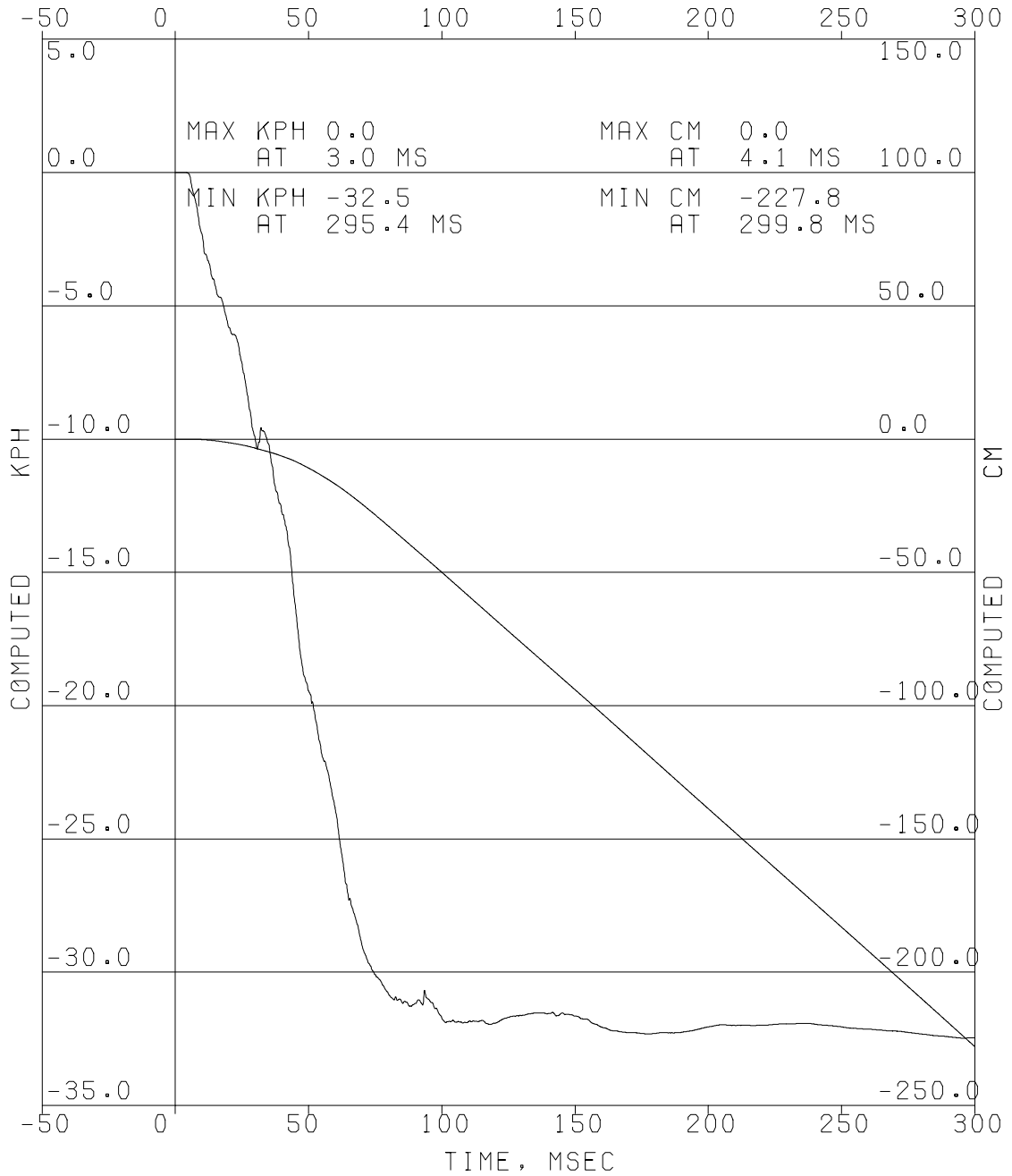


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 003 LEFT REAR SILL X ETBB872

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

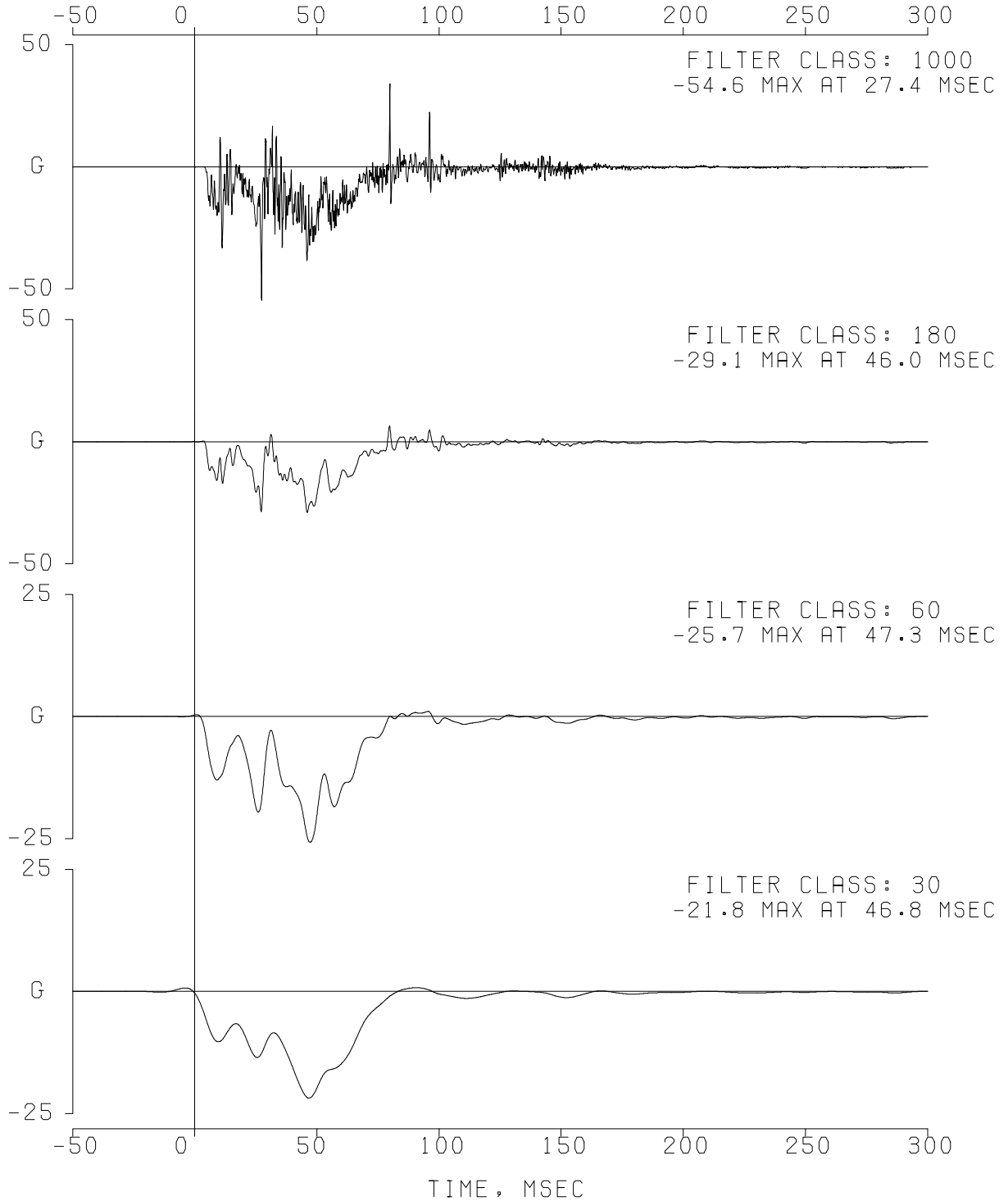
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BA
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 004 RIGHT REAR SILL X P31162
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1

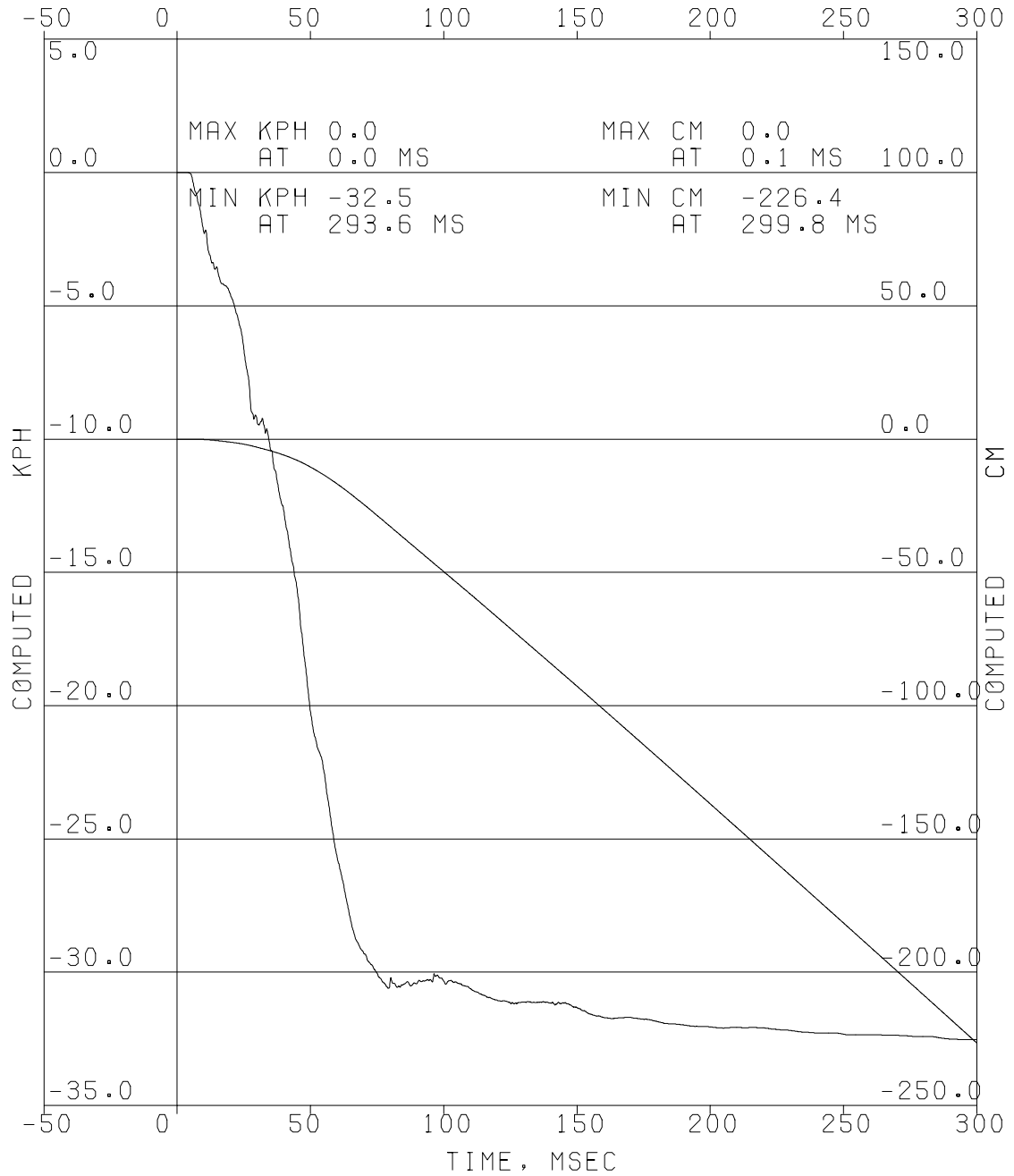


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 004 RIGHT REAR SILL X P31162

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

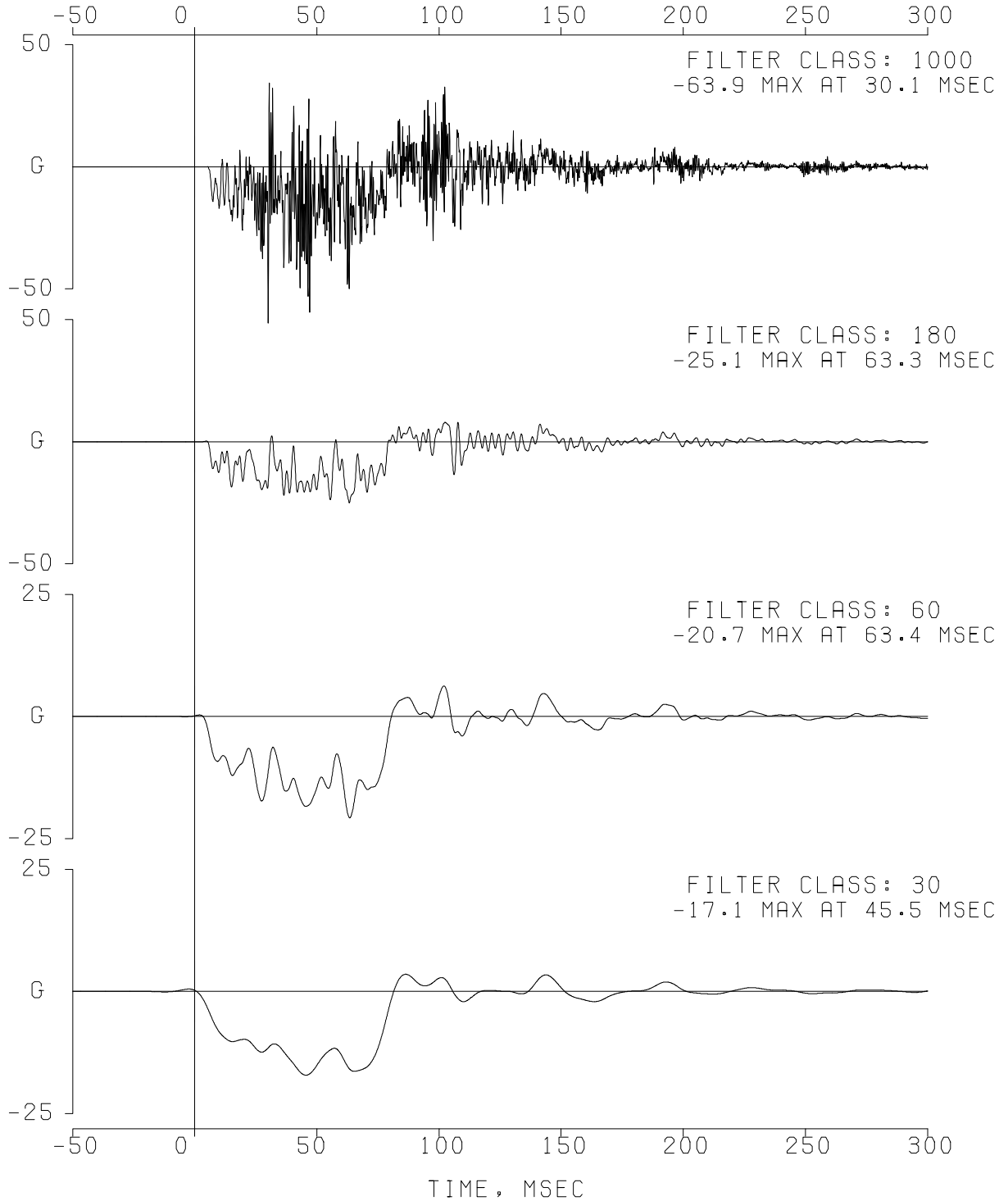
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BA
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 005 SENSOR LT FRT C/Z MI X P19862
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1

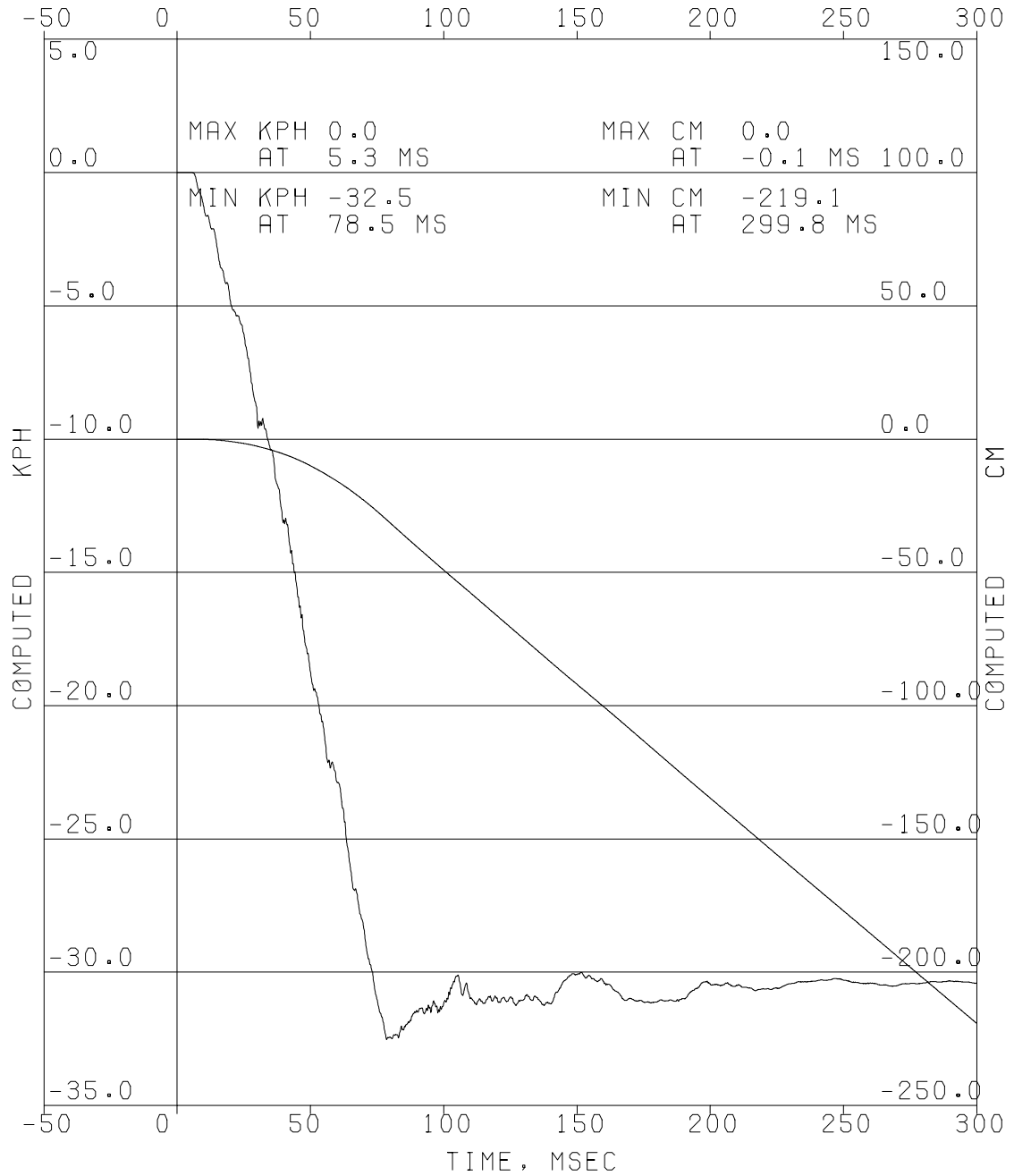


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 005 SENSOR LT FRT C/Z MI X P19862

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

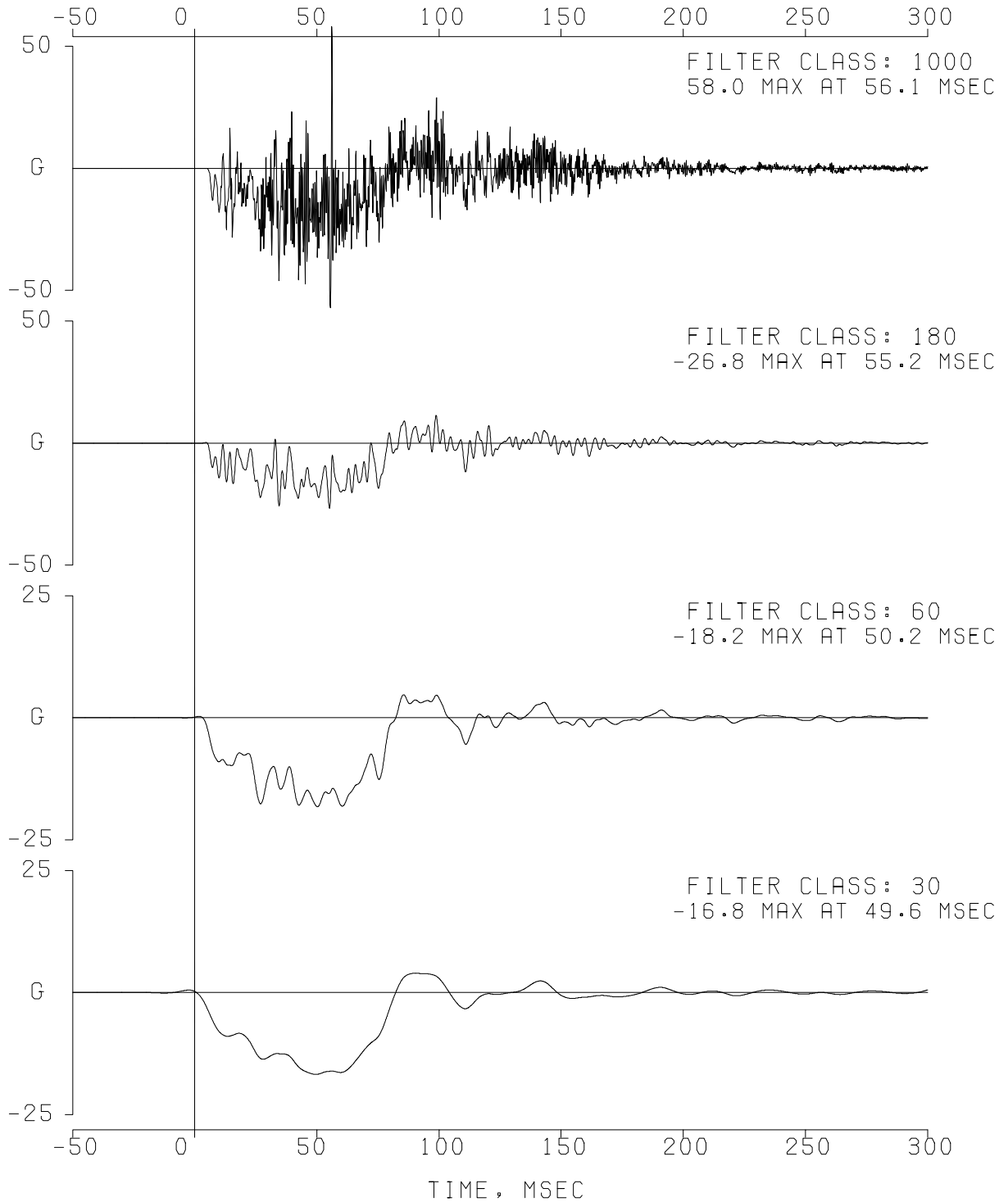
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BA
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 006 SENSOR RT FRT C/Z MI X P33715
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1

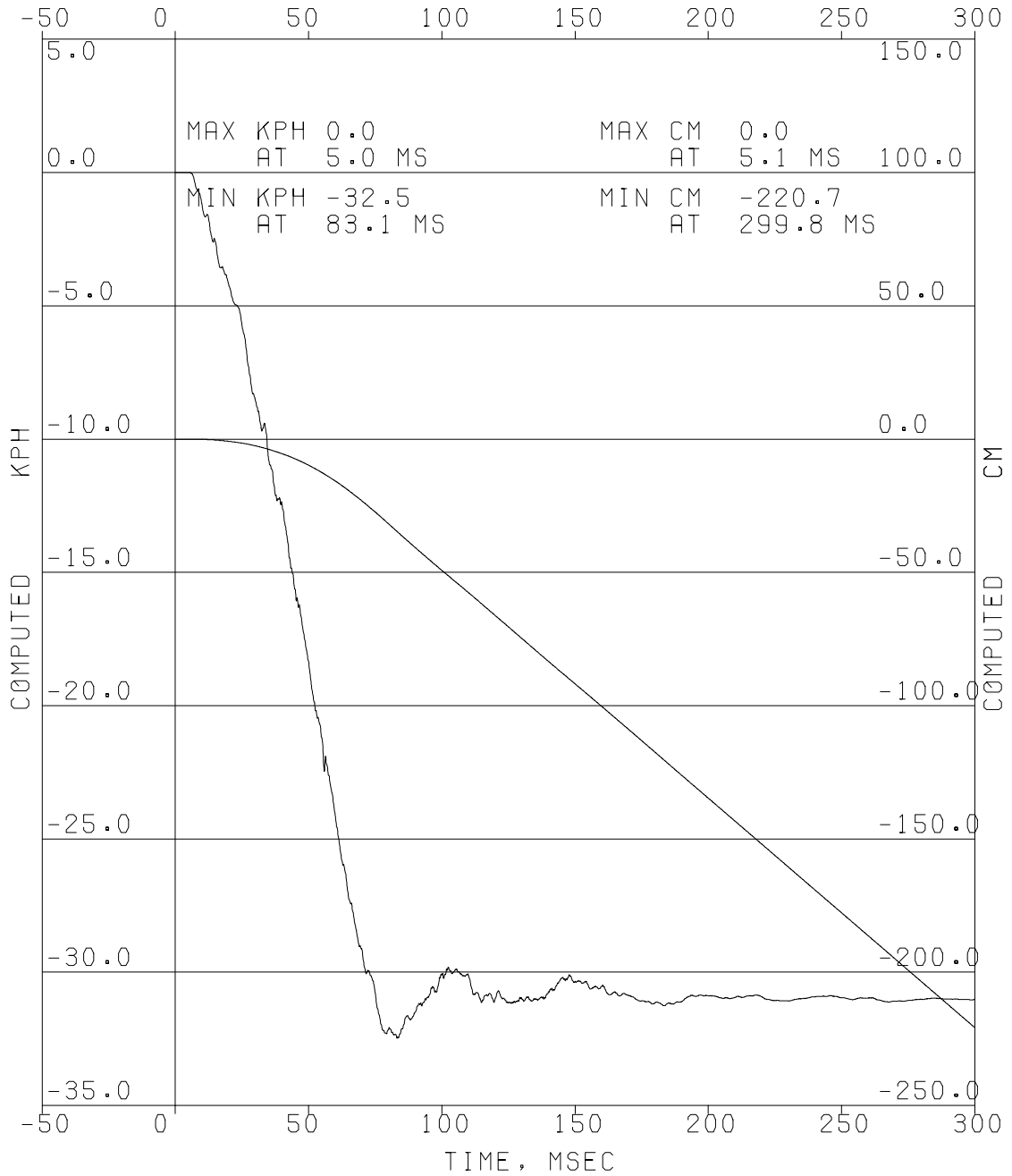


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 006 SENSOR RT FRT C/Z MI X P33715

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

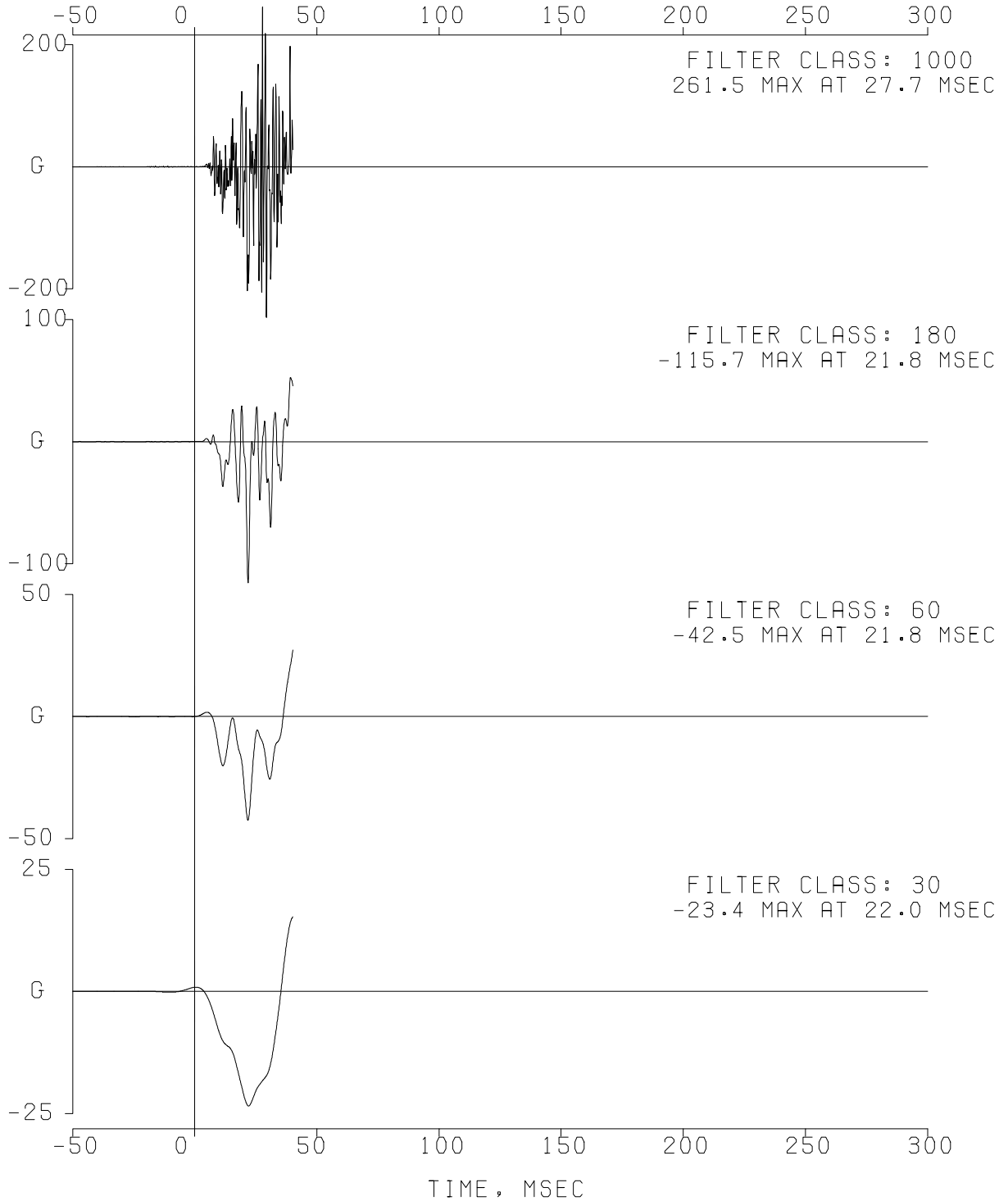
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BA
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 007 SWING GATE ABV HANDLE X P33338
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1



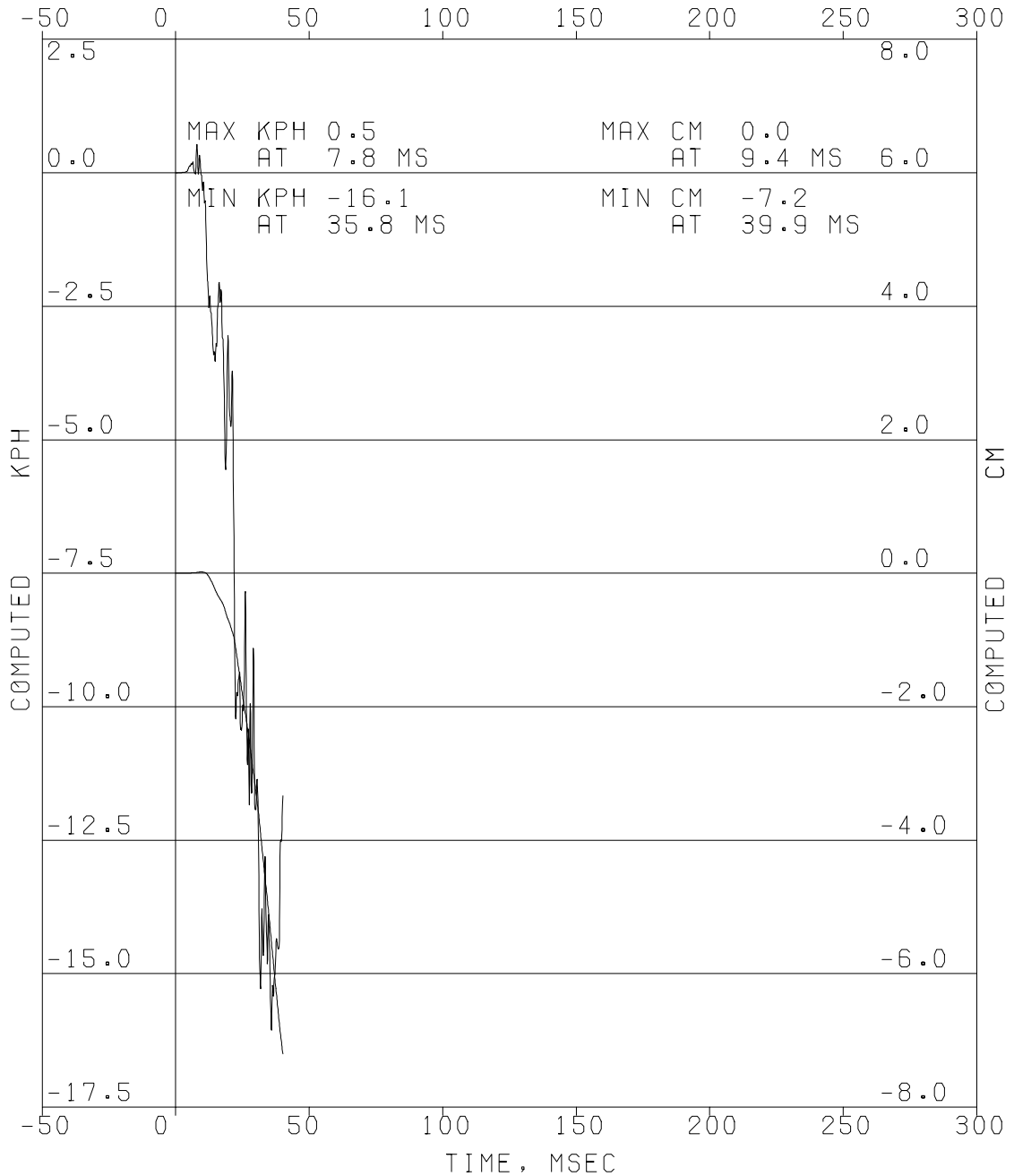
***** CAUTION *****
***** INST. MALFUNCTION AFTER 40.1 MS *****

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 007 SWING GATE ABV HANDLE X P33338

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

IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

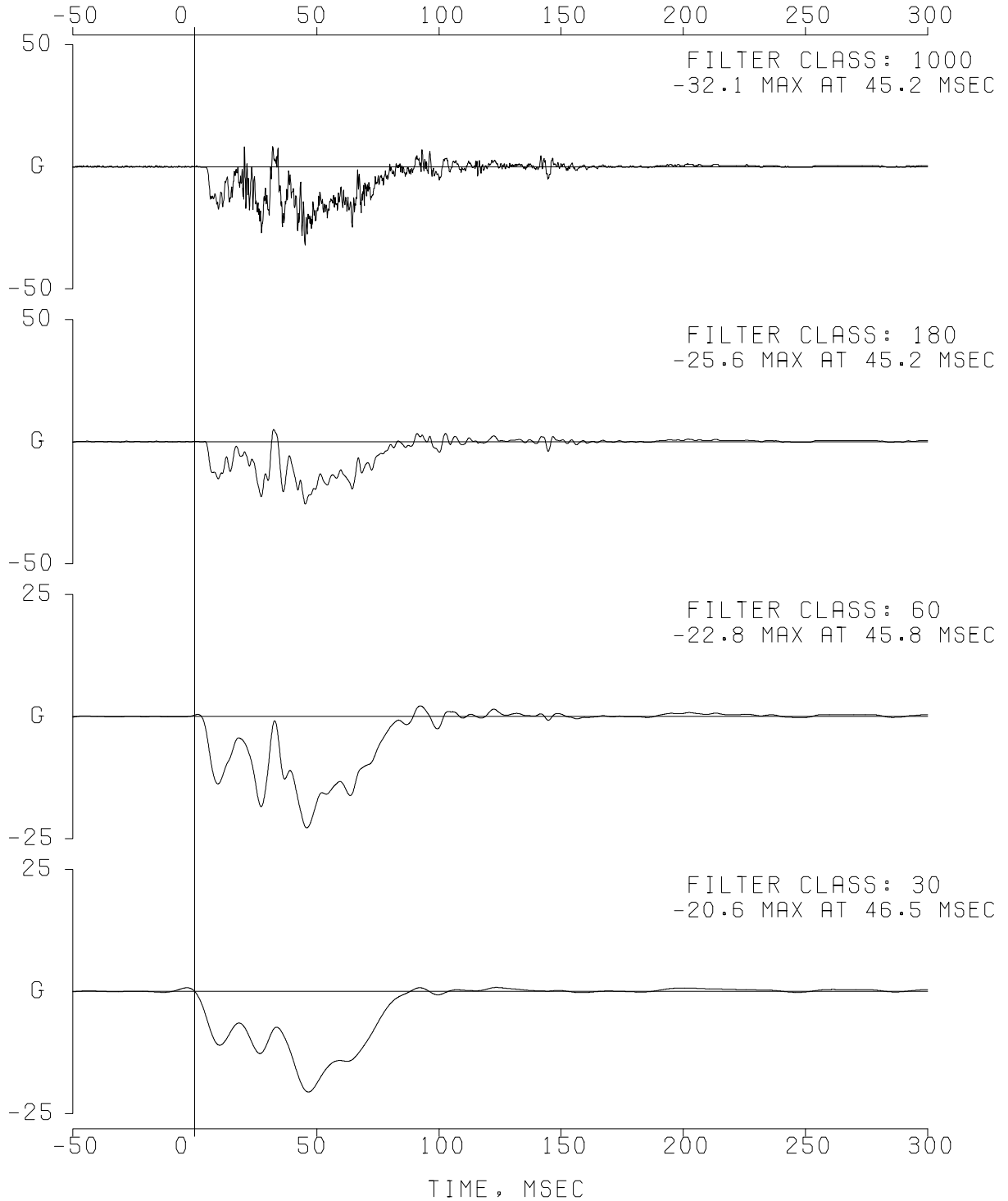
DATA SET 04/15/05BA
ERRATA 1



***** CAUTION *****
***** INST. MALFUNCTION AFTER 40.1 MS *****

COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 008 AECM LT REAR CORNER X LC11374
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1

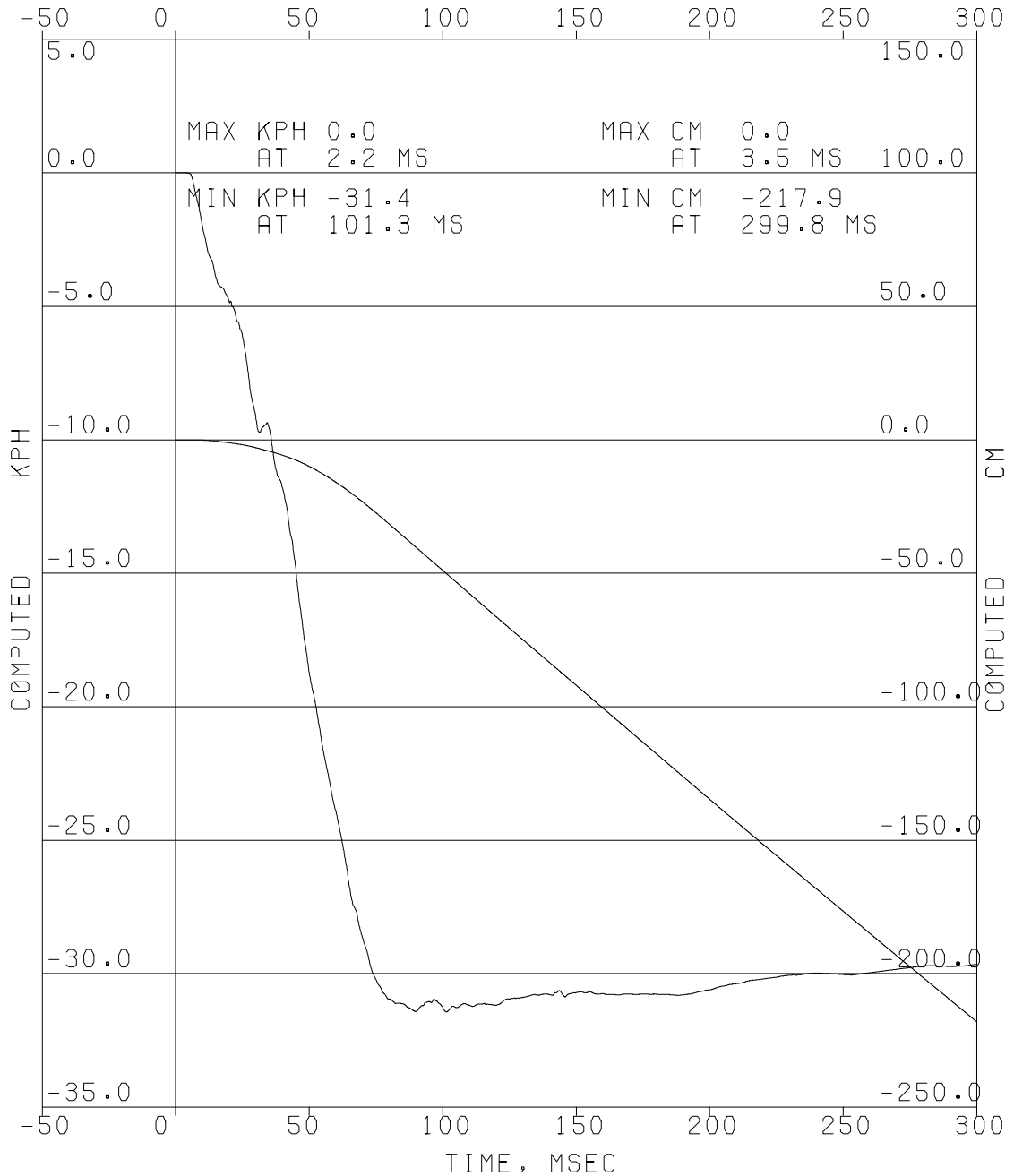


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 008 AECM LT REAR CORNER X LC11374

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

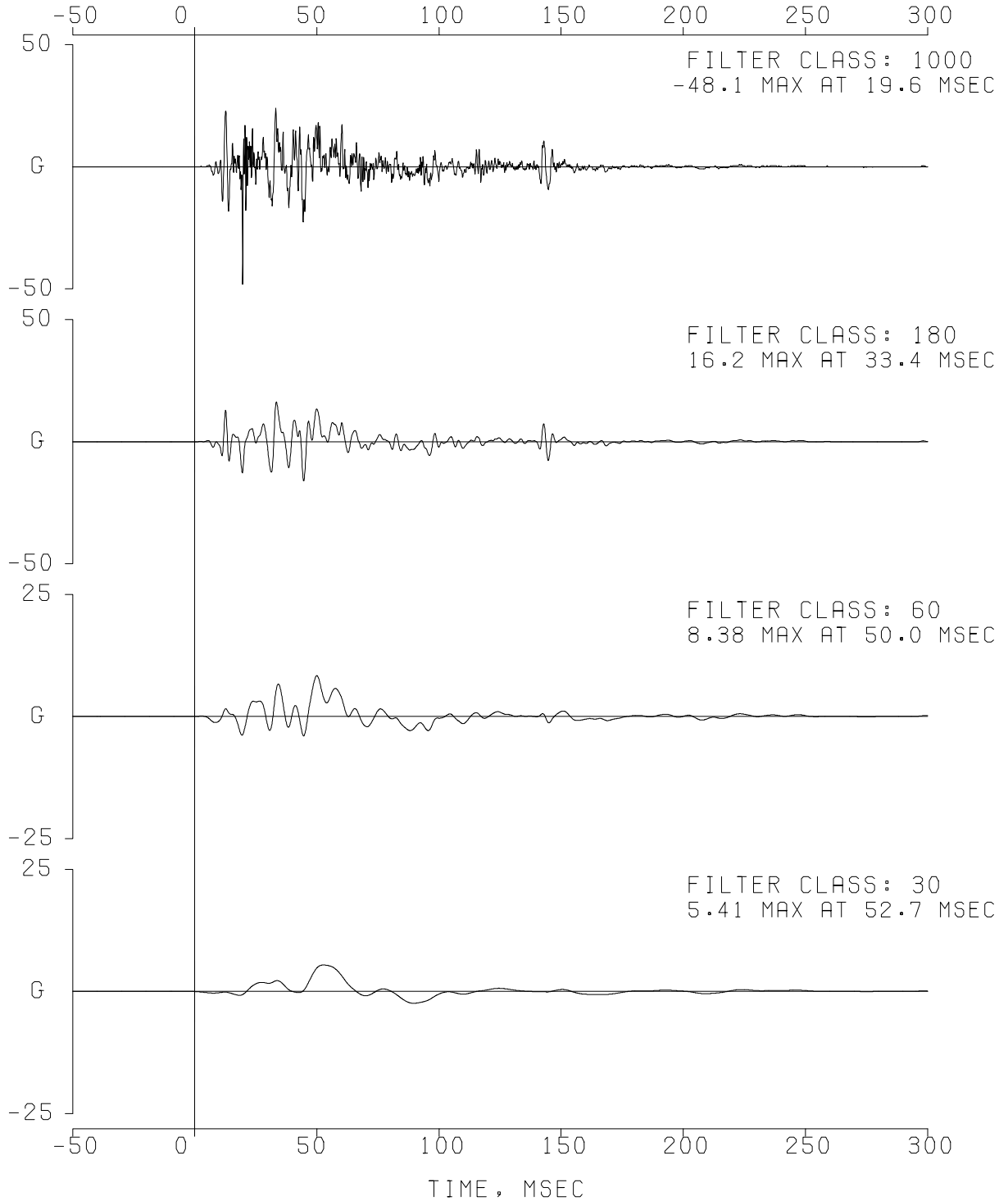
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BA
ERRATA 1

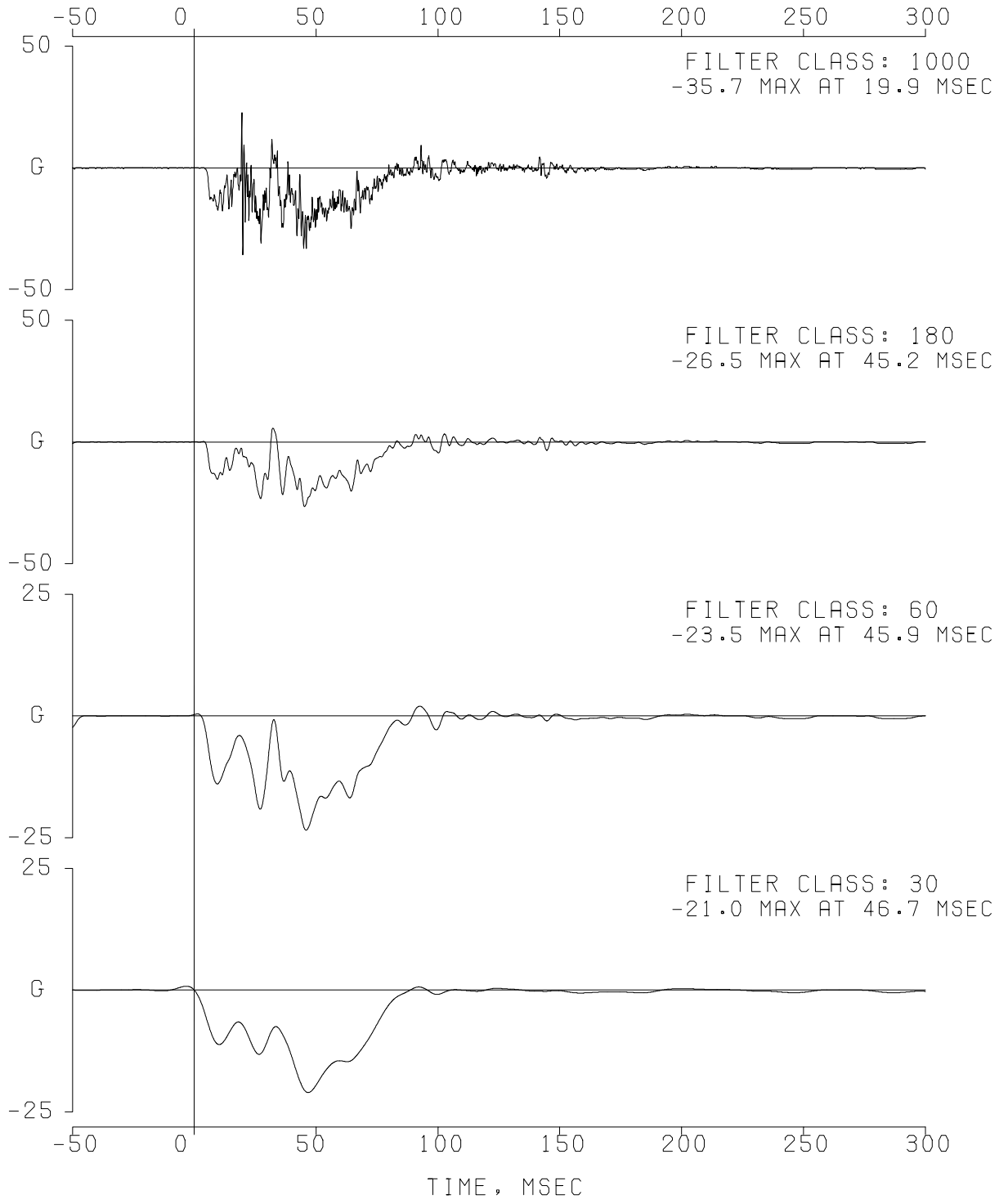


COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 009 AECM LT REAR CORNER Y LC11289
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1



VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 010 AECM RT REAR CORNER X LC11221
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1

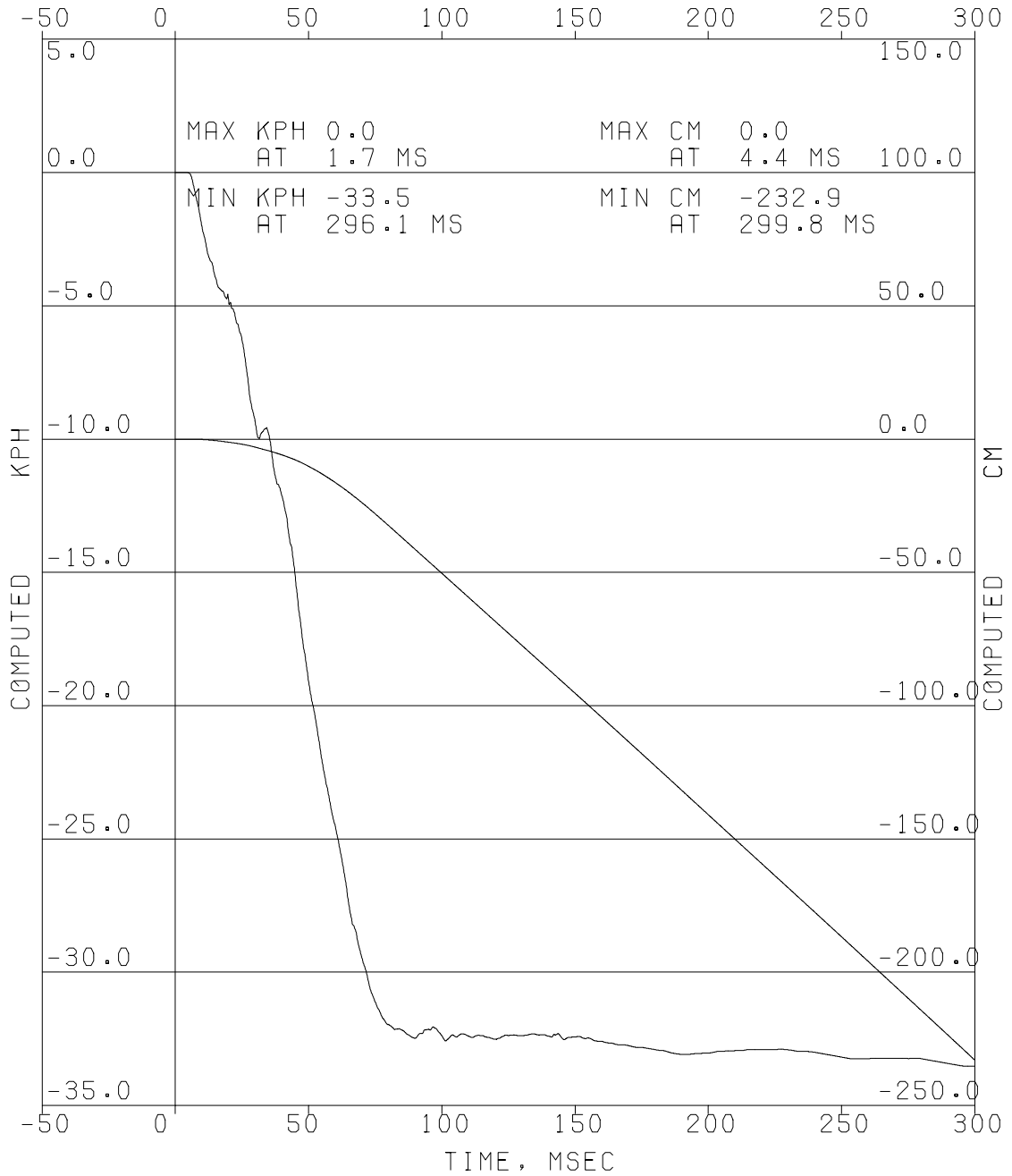


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 010 AECM RT REAR CORNER X LC11221

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

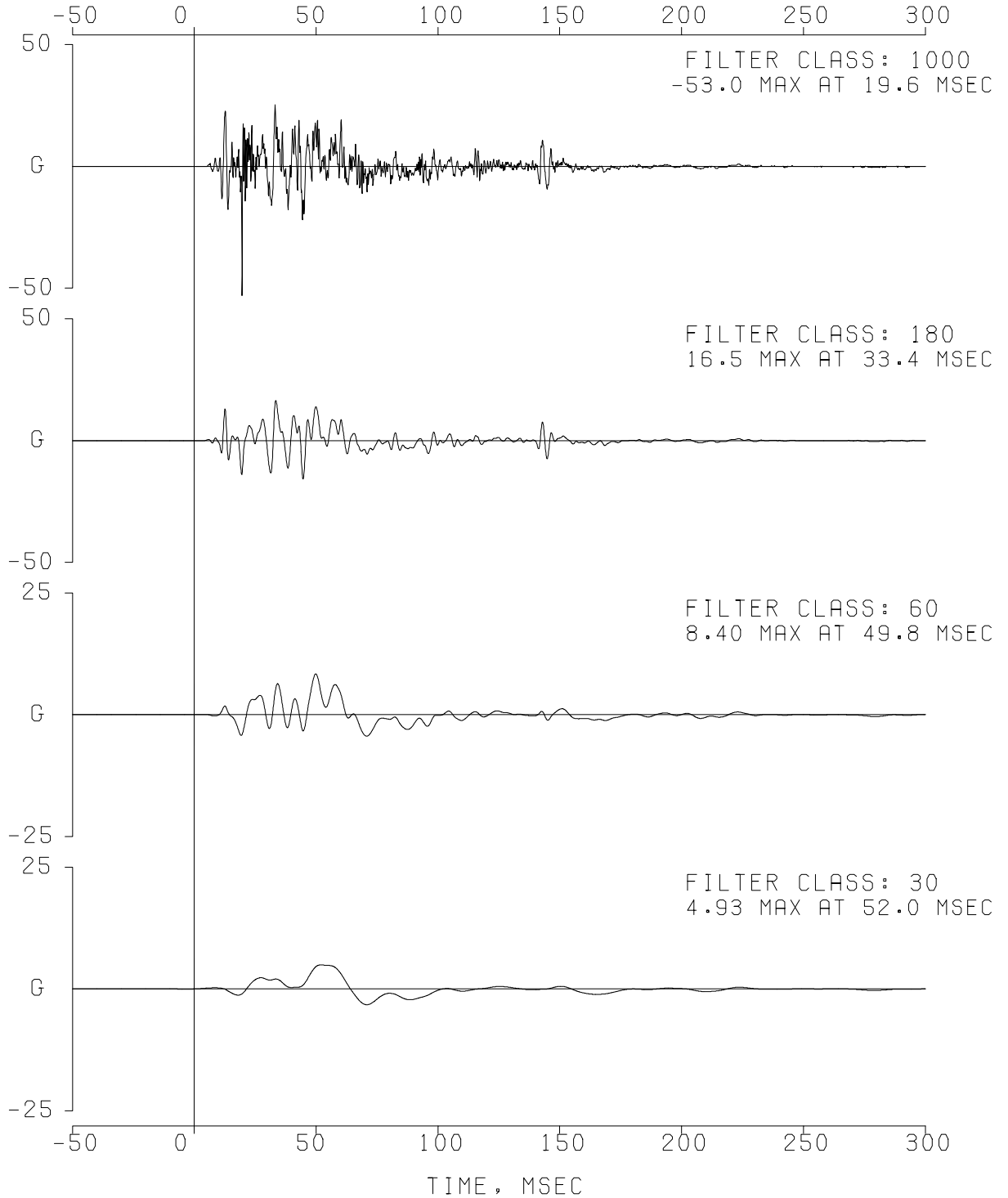
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BA
ERRATA 1

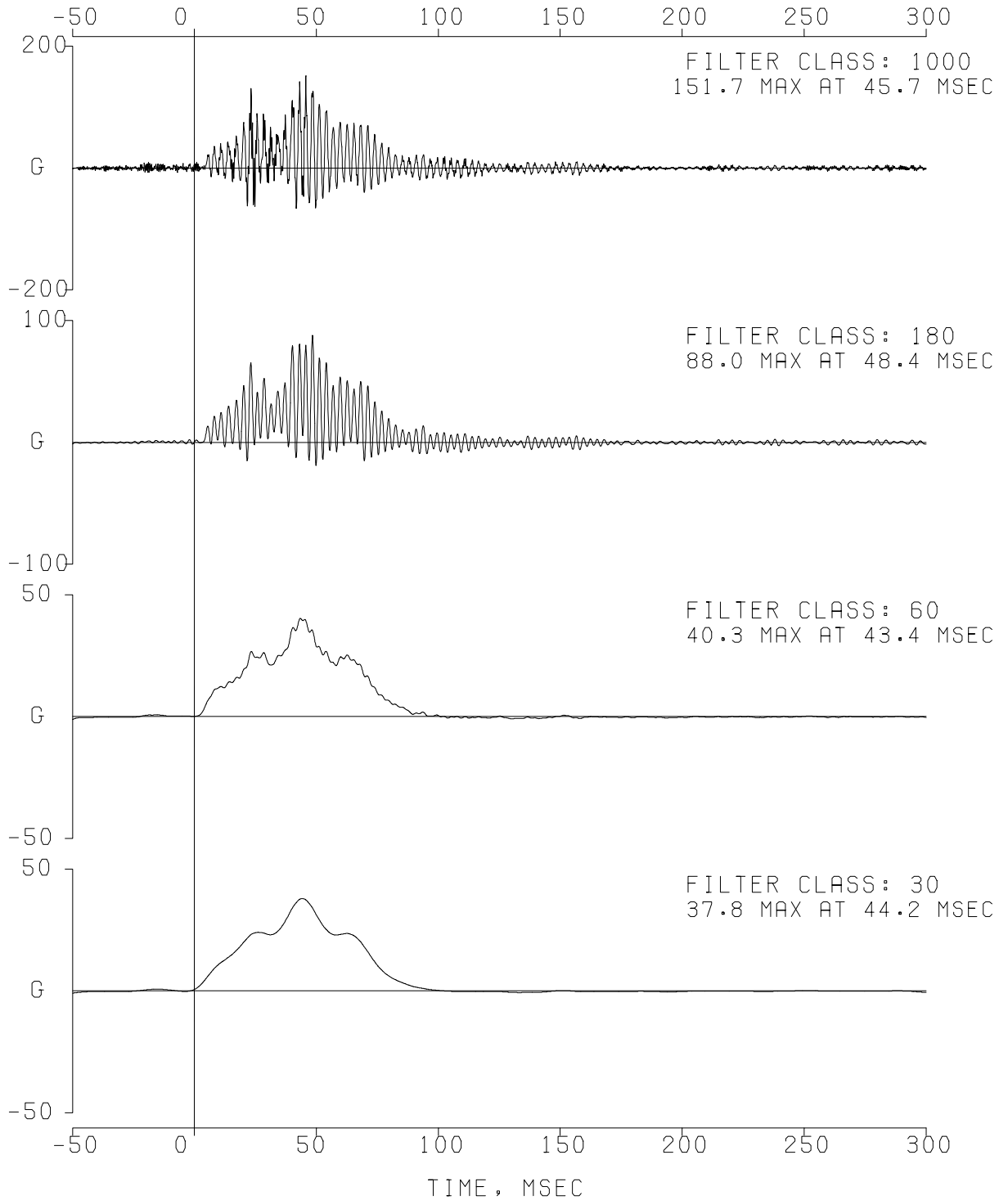


COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 011 AECM RT REAR CORNER Y LC11429
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BA
APR 15,2005 ERRATA 1



VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 033 M-ADJ FRONT XMBR X P34323
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BC
APR 15,2005 ERRATA 1

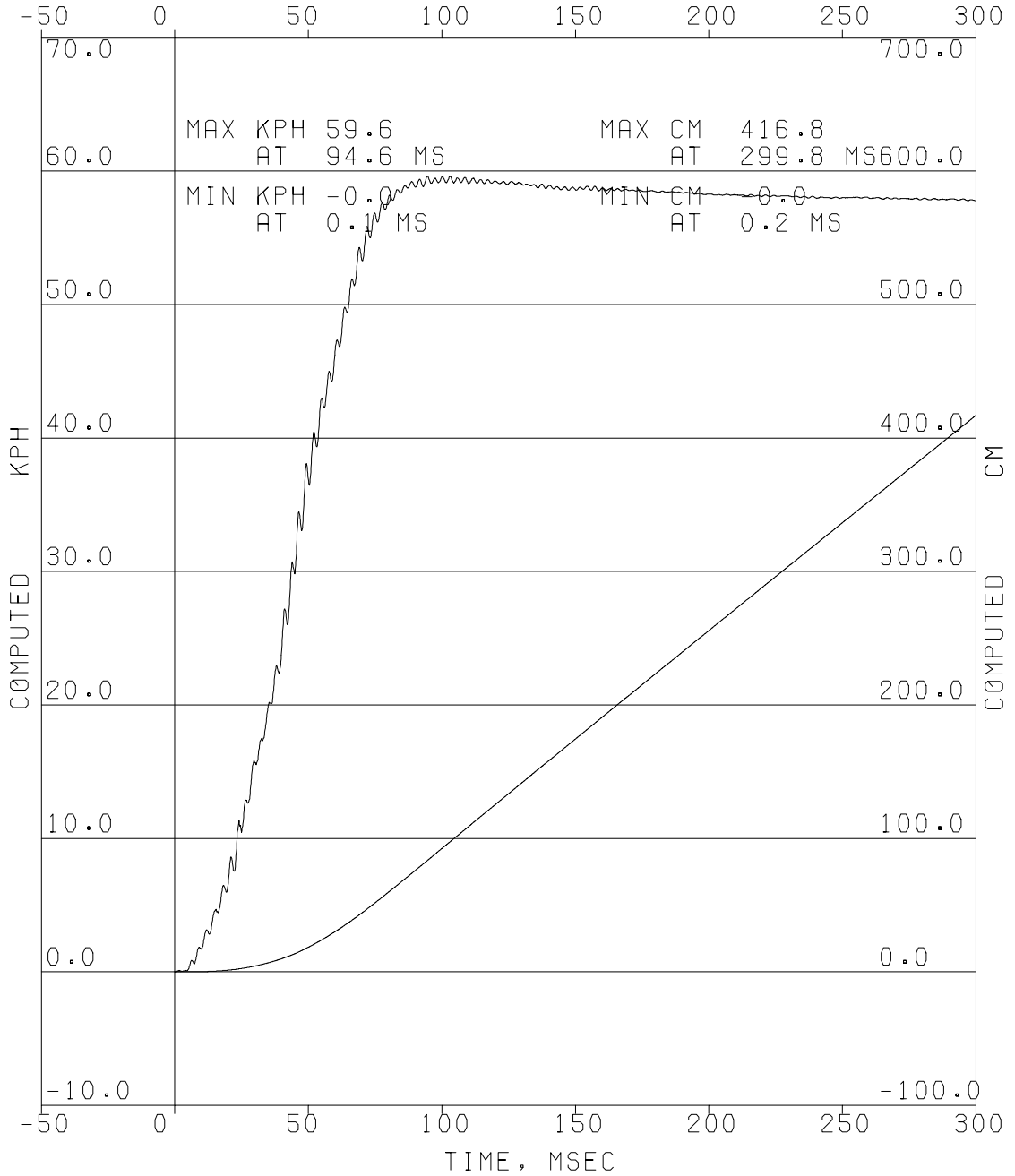


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 033 M-ADJ FRONT XMBR X P34323

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

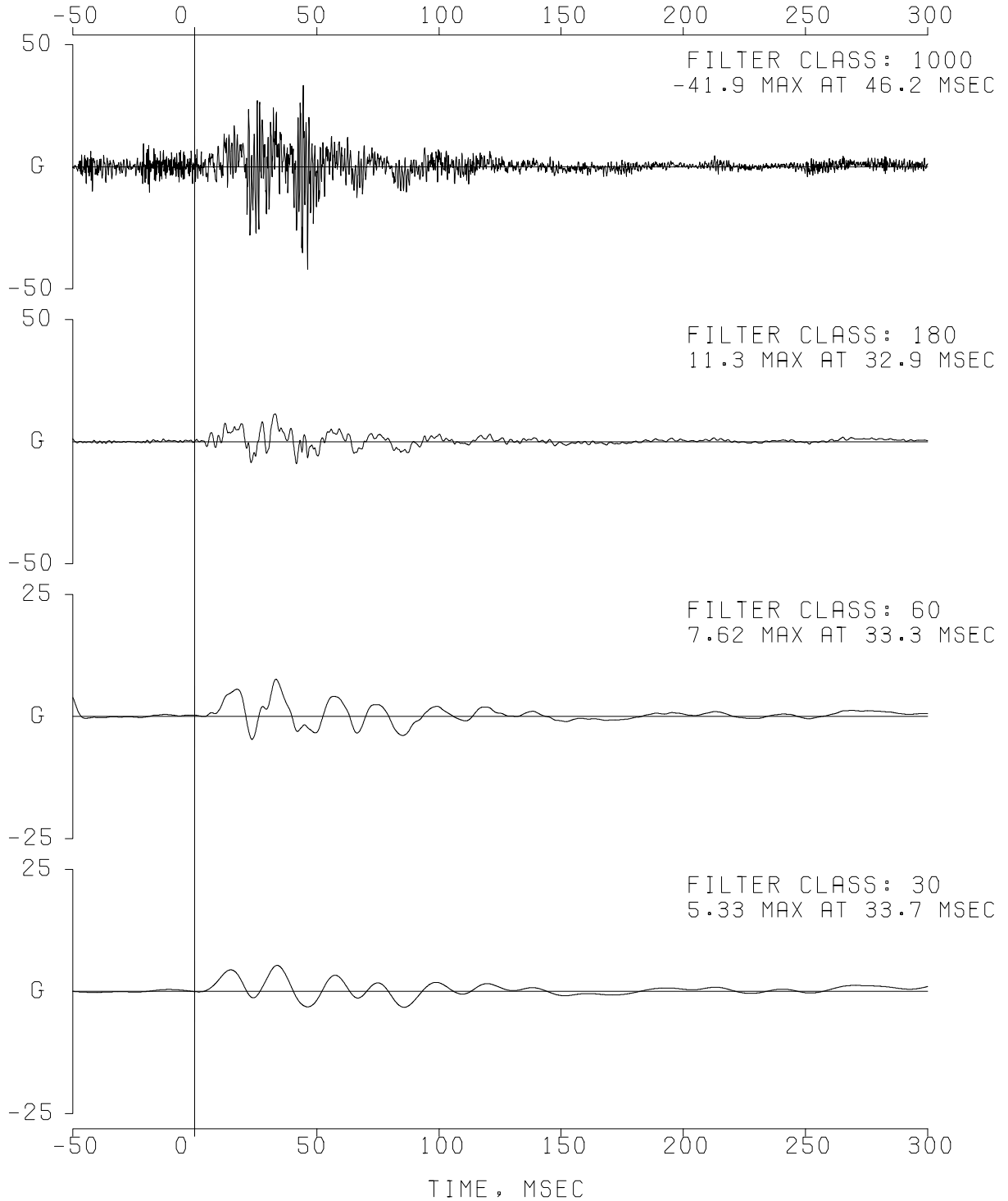
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BC
ERRATA 1

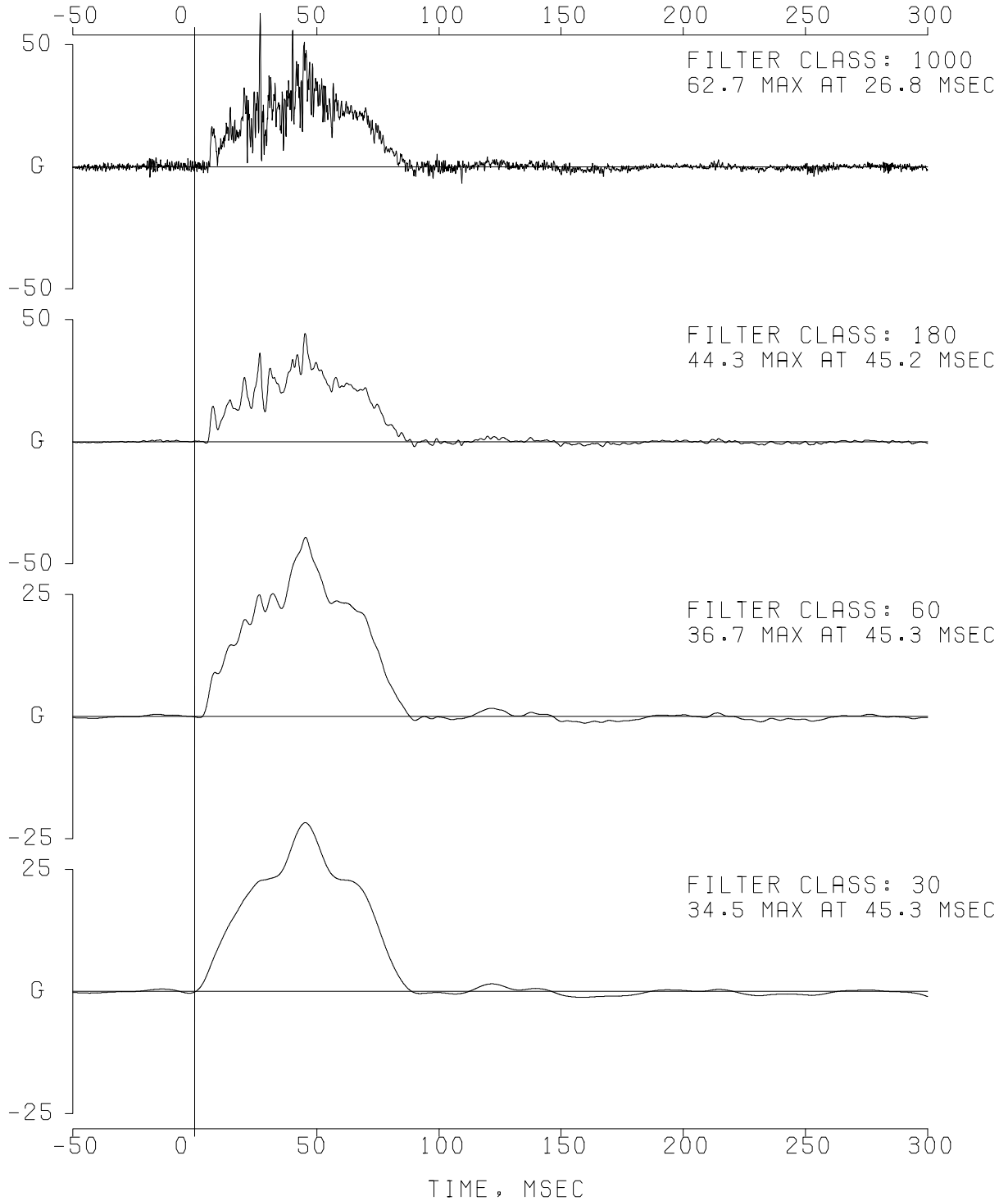


COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 034 M-ADJ FRONT XMBR Y P34584
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BC
APR 15,2005 ERRATA 1



VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 035 M-ADJ LT RAIL MID X P34685
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BC
APR 15,2005 ERRATA 1

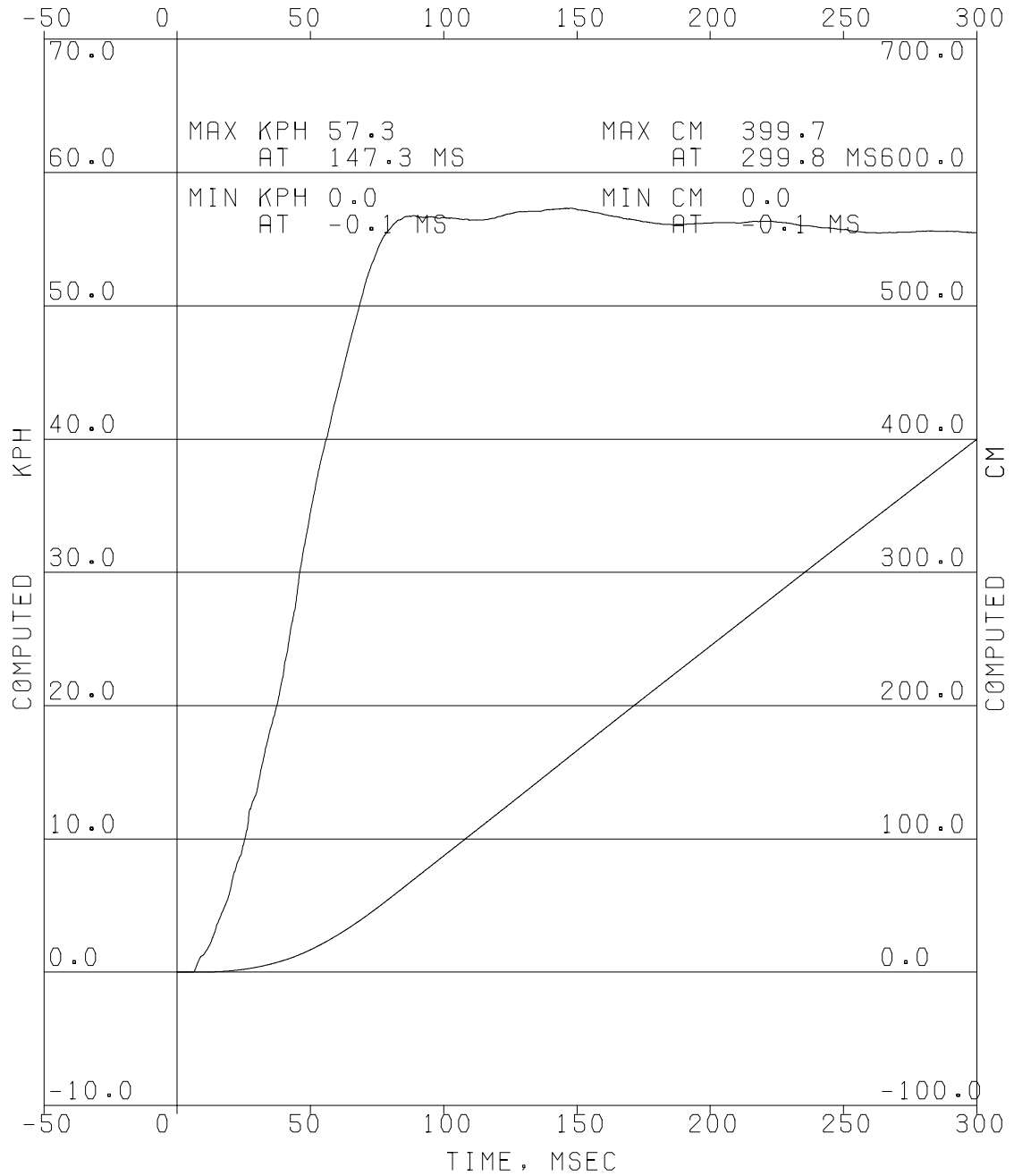


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 035 M-ADJ LT RAIL MID X P34685

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

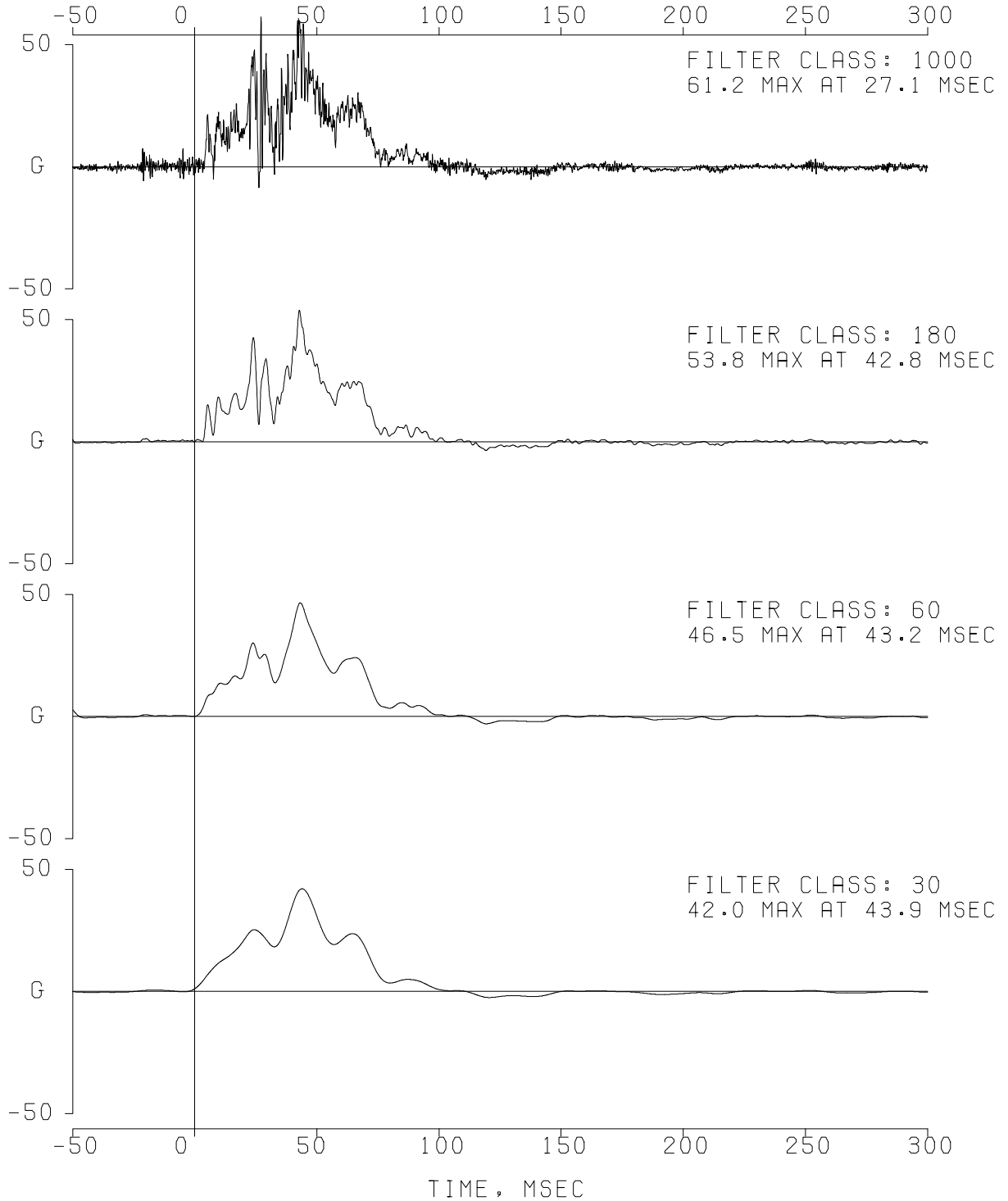
IMPACT ANALYSIS DEPT. 5320
APR 15, 2005

DATA SET 04/15/05BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 036 M-ADJ RT RAIL MID X P34667
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BC
APR 15,2005 ERRATA 1

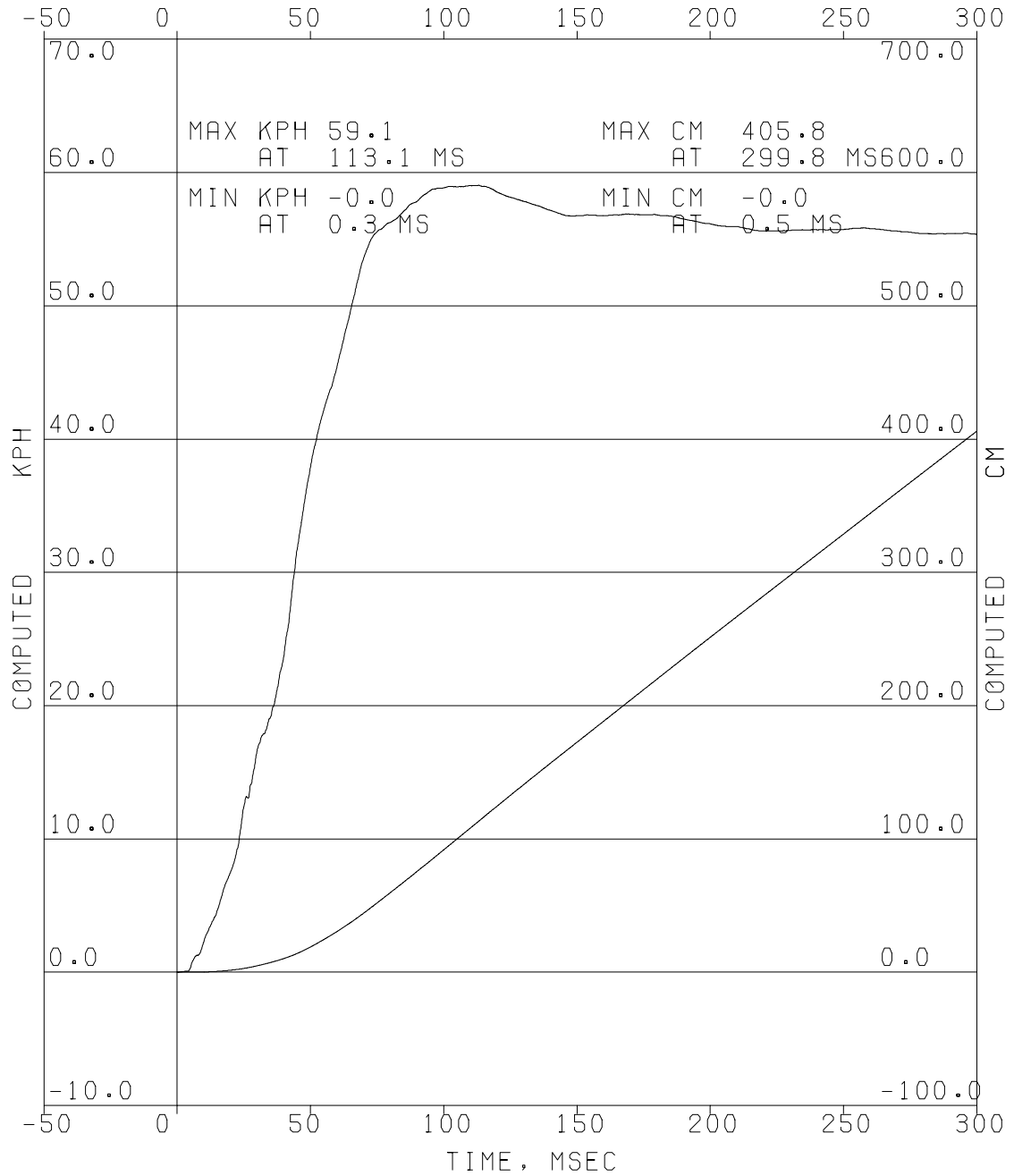


VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 036 M-ADJ RT RAIL MID X P34667

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

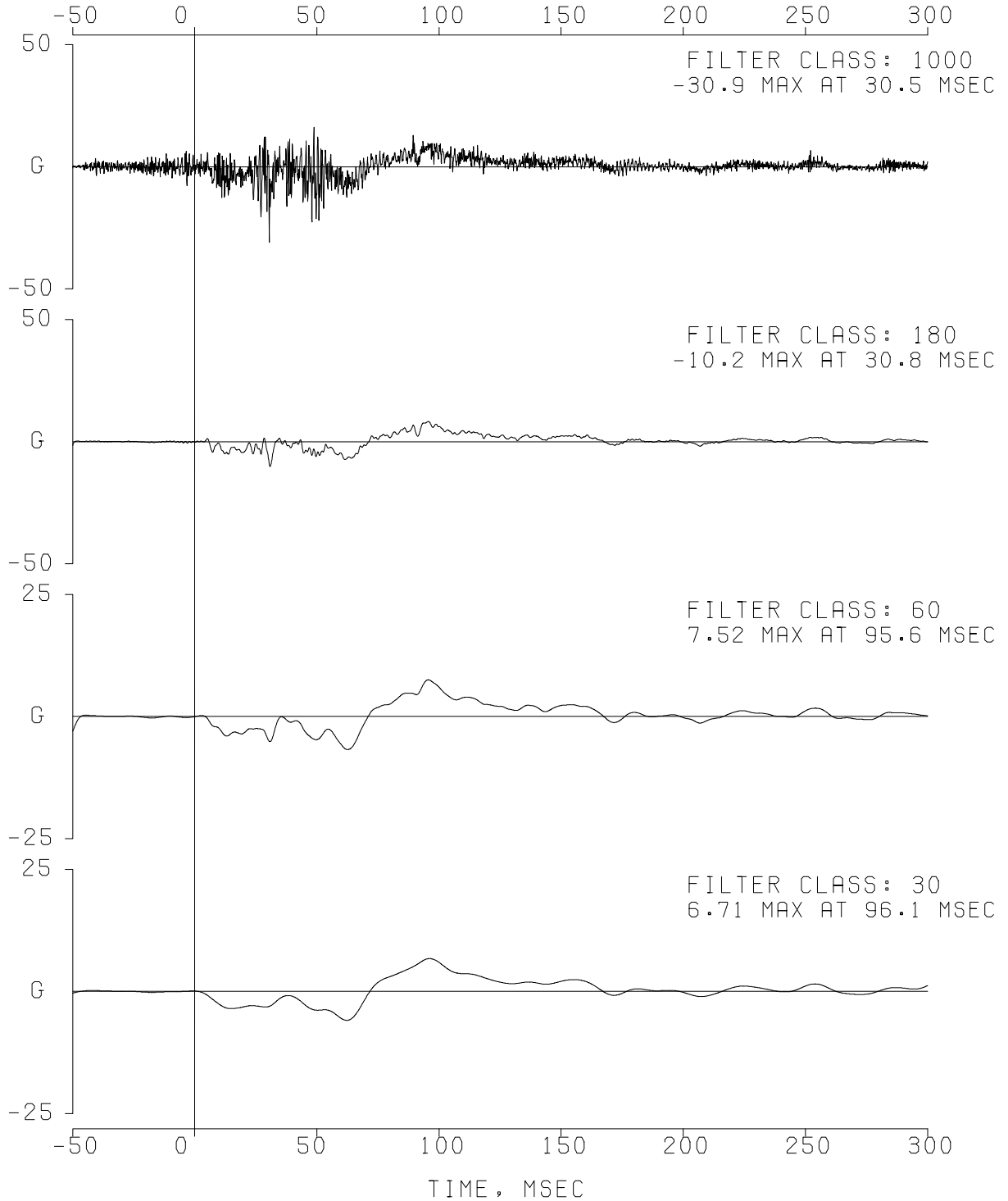
IMPACT ANALYSIS DEPT. 5320
APR 15,2005

DATA SET 04/15/05BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
CHANNEL 037 M-ADJ REAR XMBR Y P34814
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 04/15/05BC
APR 15,2005 ERRATA 1



TITLE: Page Index of EDP plots	Pages	001 - 033	
***** VC12454A *****			Page I-01
TITLE: Transducer Summary Reports	Pages	001 - 003	
SYSTEM: METRIC			
PAGE: 001	TSR Channels	001 - 008	
PAGE: 002	TSR Channels	009 - 016	
PAGE: 003	TSR Channels	033 - 037	
***** VC12454B *****			
TITLE: Vehicle Channels	Pages	004 - 033	
SYSTEM: METRIC			
PAGE: 004	Average of Sill Chls 1, 2, 3, & 4		
PAGE: 005	Average of Frt Sill Chls 1 & 2		
PAGE: 006	LEFT FRONT SILL X, Chl 1		
PAGE: 007	LEFT FRONT SILL X, Chl 1, VD		
PAGE: 008	RIGHT FRONT SILL X, Chl 2		
PAGE: 009	RIGHT FRONT SILL X, Chl 2, VD		
PAGE: 010	LEFT REAR SILL X, Chl 3		
PAGE: 011	LEFT REAR SILL X, Chl 3, VD		
PAGE: 012	RIGHT REAR SILL X, Chl 4		
PAGE: 013	RIGHT REAR SILL X, Chl 4, VD		
PAGE: 014	SENSOR LT FRT C/Z MI X, Chl 5		
PAGE: 015	SENSOR LT FRT C/Z MI X, Chl 5, VD		
PAGE: 016	SENSOR RT FRT C/Z MI X, Chl 6		
PAGE: 017	SENSOR RT FRT C/Z MI X, Chl 6, VD		
PAGE: 018	SWING GATE ABV HANDLE X, Chl 7		*C*
PAGE: 019	SWING GATE ABV HANDLE X, Chl 7, VD		*C*
PAGE: 020	AECM LT REAR CORNER X, Chl 8		
PAGE: 021	AECM LT REAR CORNER X, Chl 8, VD		
PAGE: 022	AECM LT REAR CORNER Y, Chl 9		
PAGE: 023	AECM RT REAR CORNER X, Chl 10		
PAGE: 024	AECM RT REAR CORNER X, Chl 10, VD		
PAGE: 025	AECM RT REAR CORNER Y, Chl 11		
PAGE: 026	M-ADJ FRONT XMBR X, Chl 33		
PAGE: 027	M-ADJ FRONT XMBR X, Chl 33, VD		
PAGE: 028	M-ADJ FRONT XMBR Y, Chl 34		
PAGE: 029	M-ADJ LT RAIL MID X, Chl 35		
PAGE: 030	M-ADJ LT RAIL MID X, Chl 35, VD		
PAGE: 031	M-ADJ RT RAIL MID X, Chl 36		
PAGE: 032	M-ADJ RT RAIL MID X, Chl 36, VD		
PAGE: 033	M-ADJ REAR XMBR Y, Chl 37		

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/12/05
TEST SITE CPG

TEST PURPOSE PRIMARY, 2006 USA 301-REAR COMPLIANCE

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

VEHICLE BODY CLASS; XK
CAR LINE; NONE
BODY; 74
ENGINE; EZB
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8HG58236C100126
VIN AS BUILT; 1J8HG58236C100126

TEST SPEED 80.83 KPH BY FILM ANALYSIS AVERAGE
TEST WEIGHT(KG) 2556.94 TOTAL, 1332.67 FRONT, 1224.27 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-77
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2006 XK S1
MODIFIED BUILD:
REPLACED ORC WITH 50G ORC, WITH INTERNAL-MONITORING
CAPABILITY, FLASHED WITH PRODUCTION CALIBRATION
LEVEL 9E08.
MODIFIED EMD BUILD:
ADDED TRAILER HITCH.PURGED FUEL SYSTEM OF GASOLINE
, PRESSURE CHECKED IT, AND FILLED IT WITH THREE GA
LLONS OF STODDARD SOLVENT.

TARGET WEIGHT(KG) 2543.8 TOTAL, 0.0 FRONT, 0.0 REAR
INCLUDING BALLAST AND OCCUPANTS

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 02

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/12/05
TEST SITE CPG
FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
NONE
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

POST TEST REMARKS POST-TEST MEASUREMENTS REQ :
DOOR EFFORTS RECORDED
POST-TEST TEST COMMENTS :

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

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

DATE 04/15/05 TIME 12:40:52.



VC12454

EA12-005 Peer - Chrysler - 12800

VC12454



EA12-005 Paer - Chrysler - 12801

VC12454



EA12-005 Peer - Chrysler - 12802



EA12-005 Peer - Chrysler - 12803

VC12454

COMMANDER

EA12-005 Peer - Chrysler - 12804

VC12454



EA12-005 Peer - Chrysler - 12805

VC12454



EA12-005 Peer - Chrysler - 12806

VC12454

CAUTION



COMMANDER

EA12-005 Peer - Chrysler - 12807

VC12454



EA12-005 Peer - Chrysler - 12808

VC12454

VC12454



EA12-005 Peer - Chrysler - 12809

VC12454

EA12-005 Peer - Chrysler - 12810

VC12454



EA12-005 Peer - Chrysler - 12811

VC 12454



EA12-005 Peer - Chrysler - 12812



VC 12454

EA12-005 Peer - Chrysler - 12813

015
010
010

VC 12454



12454

19.5 GAL OF S.S



vc 12454 post

EX12-005 Ford - Chrysler - 12615



12454

DO NOT REMOVE!

PLEASE DO NOT
PULL ON HANDLE

vc 12454 post
EA12-005 Pear Chrysler 128.16



DO NOT Remove!

PLEASE DO NOT
PULL ON HANDLE TEST

vc 12454 EA12-005 Peer - Chrysler - 12817

vc 12454 post





12454

195615

vc 12454 post

EA12-005 Peer - Chrysler - 12819



12454

vc 12454 post

EA 124005 Rear Chrysler 12820



vc 12454 post

EA12-005 Peer - Chrysler - 12821

PLEASE DO NOT
PULL ON HANDLE

vc 12454 post

EA12-005 Peer - Chrysler - 12822

PLEASE DO NOT
PULL ON HANDLE POST TEST



vc 12454 post

EA12-005 Peer - Chrysler - 12823



S.S.

vc 12454 post

12-105 Car - Chrysler 12894

DO NOT REMOVE!

PLEASE DO NOT OPEN OR OPERATE HANDLE

PLEASE DO NOT
PULL ON HANDLE

**VC 12454
POST**

EA12-005 Peer - Chrysler - 12825



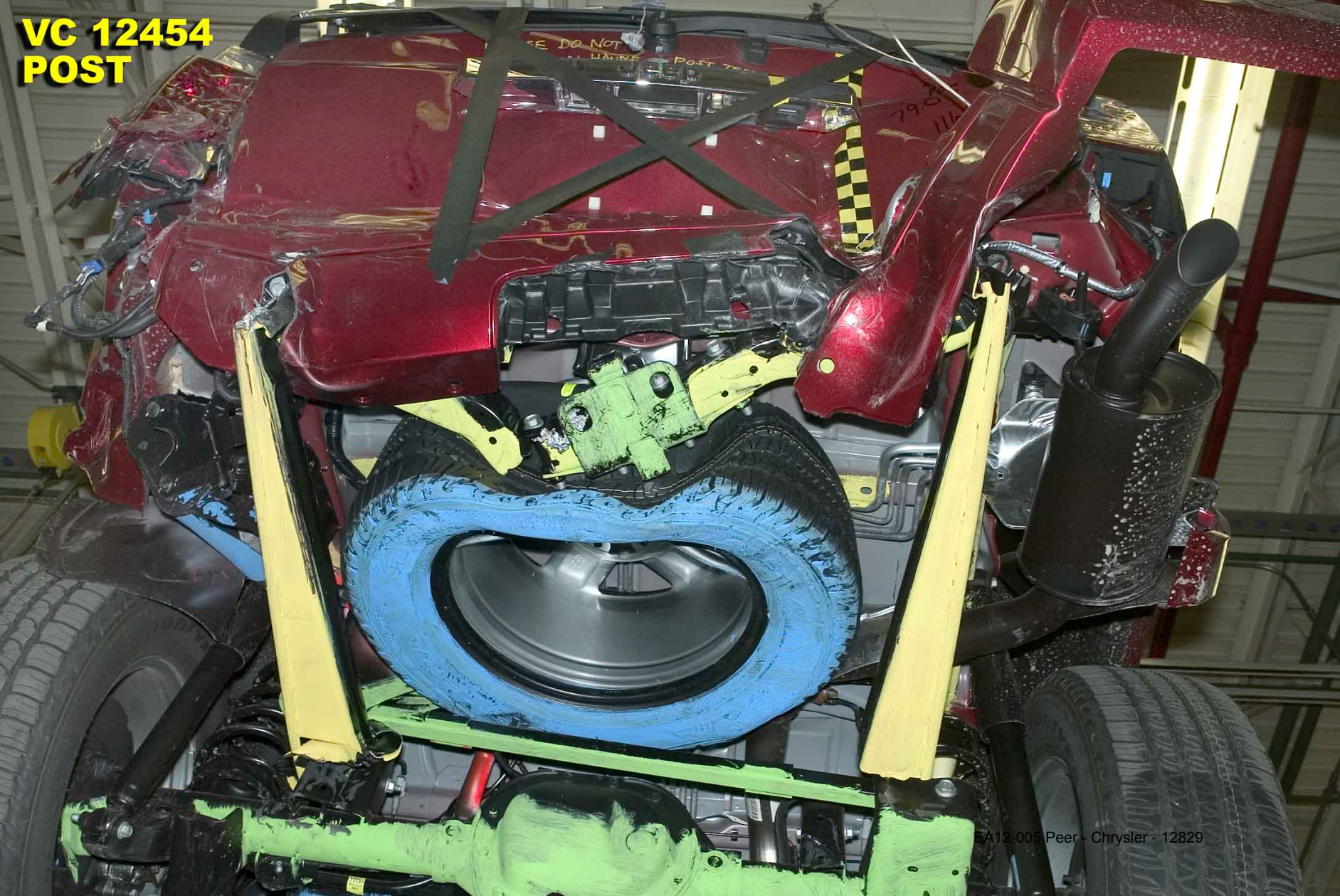
**VC 12454
POST**

**VC 12454
POST**

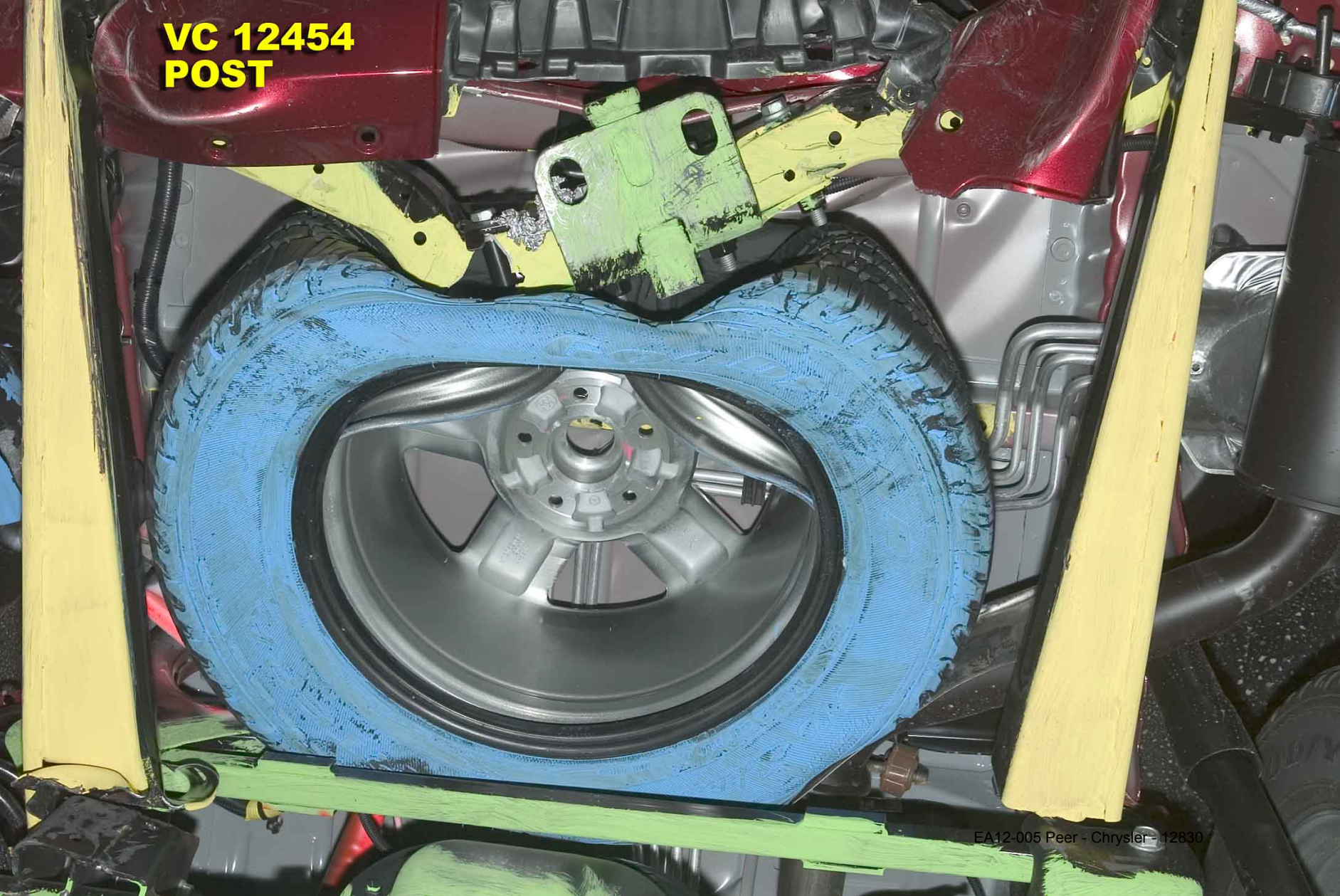
**VC 12454
POST**

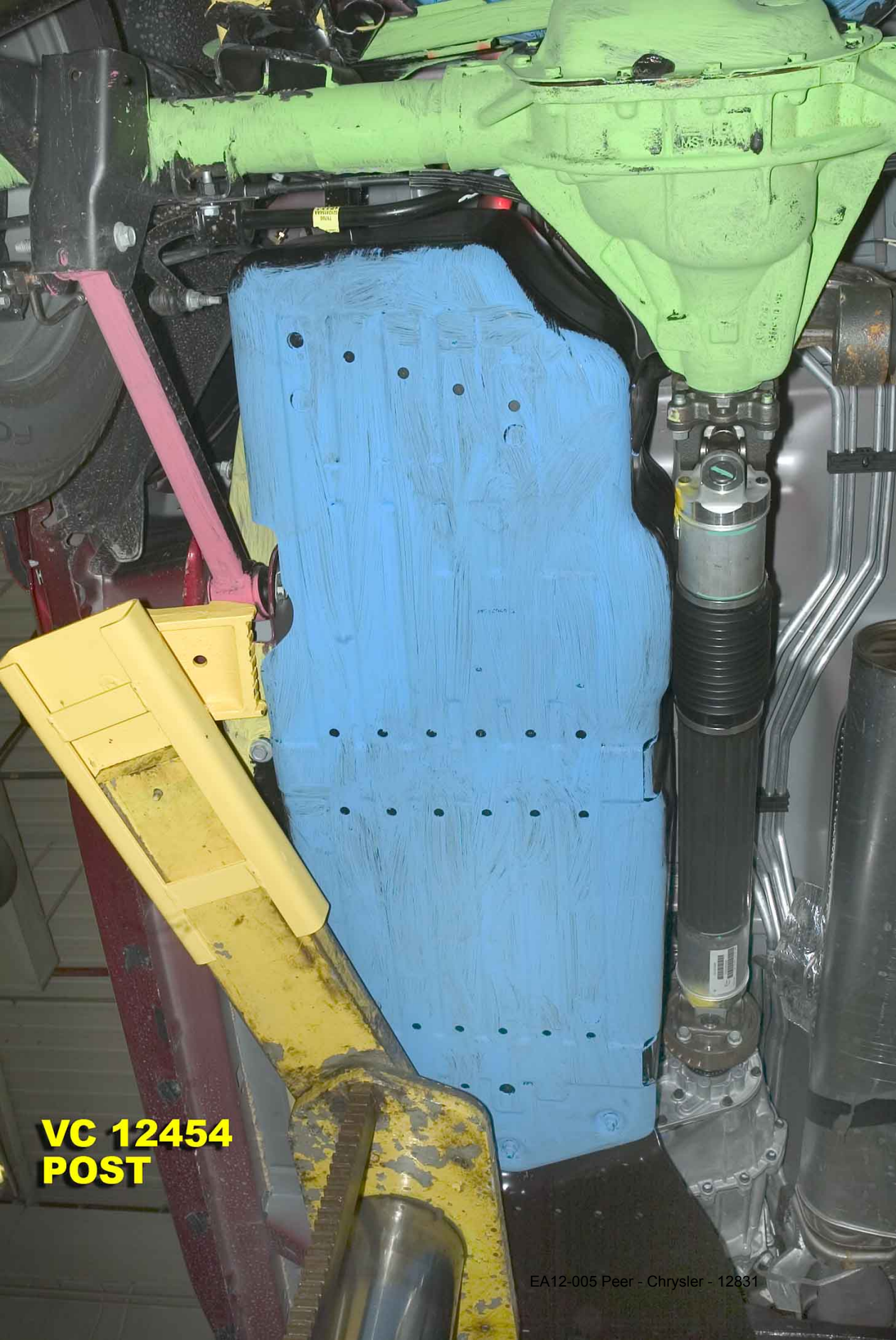
EA12-005 Peer - Chrysler - 12828

**VC 12454
POST**



**VC 12454
POST**





HYDRO
MILL

**VC 12454
POST**

**VC 12454
POST**



**VC 12454
POST**



**VC 12454
POST**

EA12-005 Peer - Chrysler - 12834



DO NOT REMOVE!

PLEASE DO NOT
PULL ON HANDLE POST TEST

P

Jeep

**VC 12454
PRE**

EA12-005 Peer - Chrysler - 12835

**VC 12454
PRE**

Fuel
Under seat



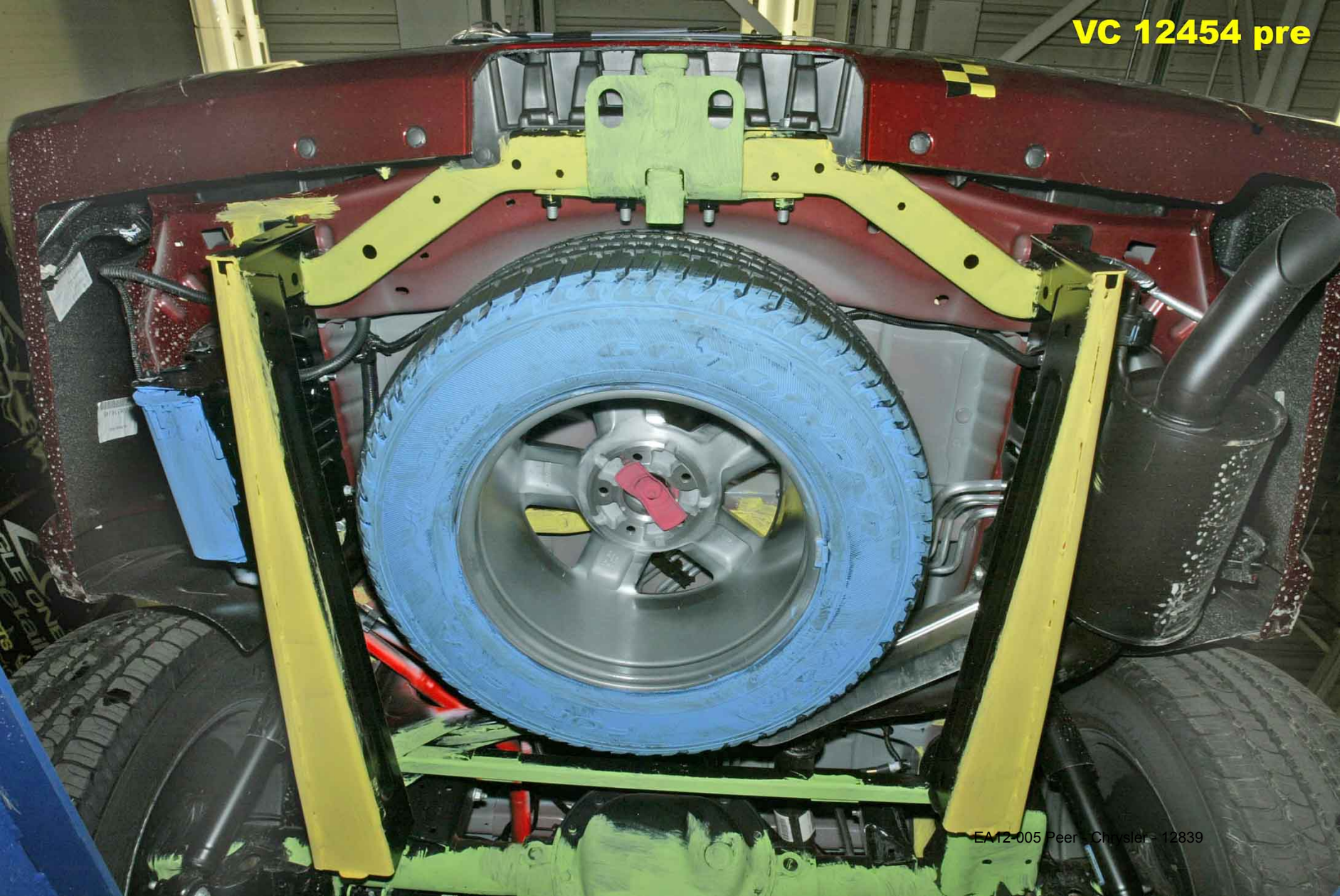
VC 12454
PRE

EA12-00 Rev. Chrysler - 12837

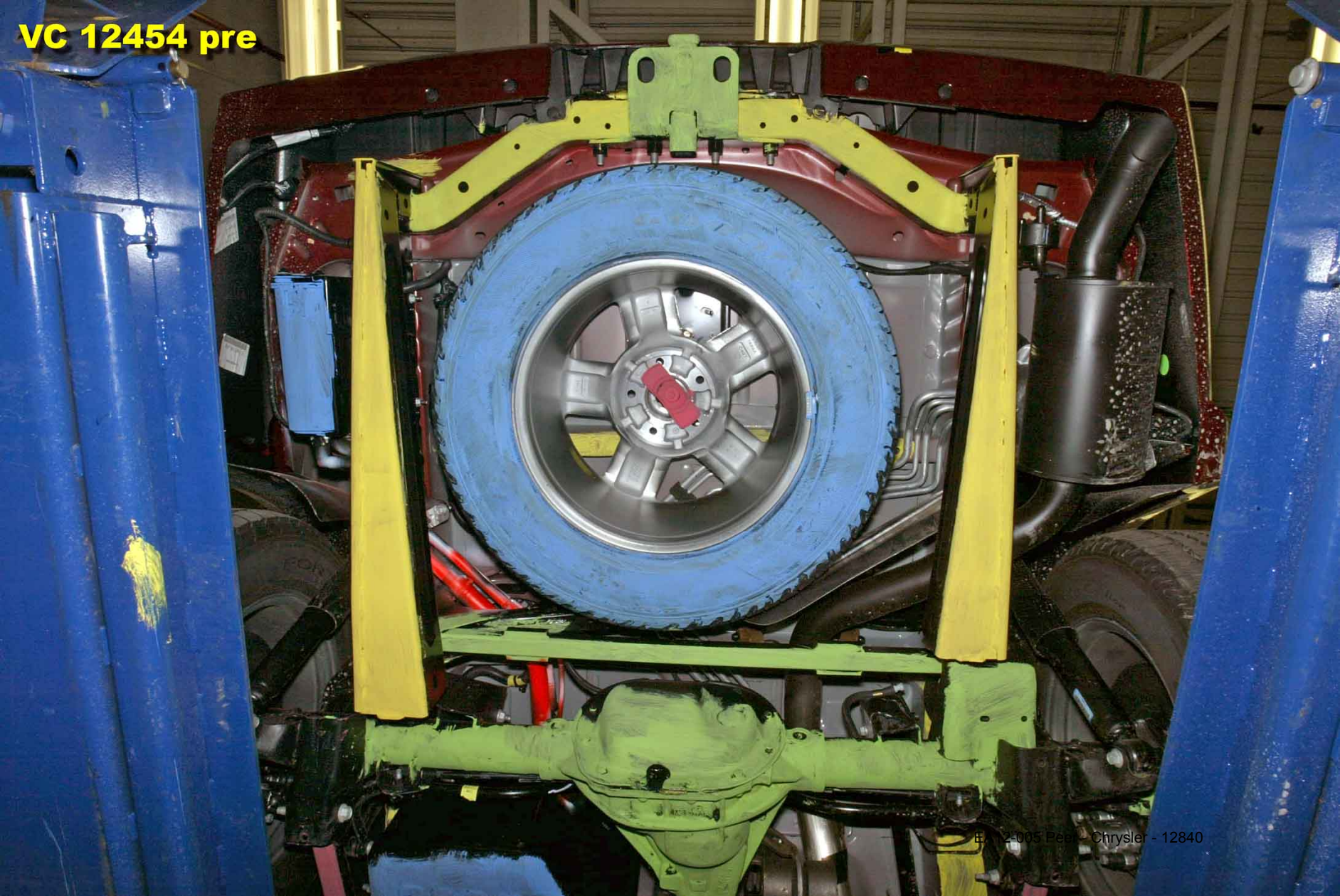
**VC 12454
PRE**



VC 12454 pre



VC 12454 pre





VC 12454 pre

EA12-005 Peer - Chrysler - 1284



Handwritten notes on an orange sticky note, including a diagram of a battery terminal and some illegible text.

TIGHTEN TO CLICK
A LOOSE CAP OR ON SEQUENCE (USE IT)
Electric System



DATE 04/15/05
TIME 12:40:42.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC12454 ITEM XKJ-8196
VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/12/05
TEST SITE CPG

TEST PURPOSE PRIMARY, 2006 USA 301-REAR COMPLIANCE

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

VEHICLE BODY CLASS; XK
CAR LINE; NONE
BODY; 74
ENGINE; EZB
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8HG58236C100126
VIN AS BUILT; 1J8HG58236C100126

TEST SPEED 80.83 KPH BY FILM ANALYSIS AVERAGE
TEST WEIGHT(KG) 2556.94 TOTAL, 1332.67 FRONT, 1224.27 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-77
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2006 XK S1
MODIFIED BUILD:
REPLACED ORC WITH 50G ORC, WITH INTERNAL-MONITORING
CAPABILITY, FLASHED WITH PRODUCTION CALIBRATION
LEVEL 9E08.
MODIFIED EMD BUILD:
ADDED TRAILER HITCH.PURGED FUEL SYSTEM OF GASOLINE
, PRESSURE CHECKED IT, AND FILLED IT WITH THREE GA
LLONS OF STODDARD SOLVENT.

TARGET WEIGHT(KG) 2543.8 TOTAL, 0.0 FRONT, 0.0 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
NONE
KG ADDITIONAL BALLAST WEIGHTS
0.0 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 04/15/05
TIME 12:40:42.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC12454 ITEM XKJ-8196
VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST
TEST DATE 04/12/05
TEST SITE CPG
POST TEST REMARKS POST-TEST MEASUREMENTS REQ :
DOOR EFFORTS RECORDED
POST-TEST TEST COMMENTS :

EDP TECHNICIAN S. MARCHENIA

No. of Pages 33
CC

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

DATE 04/15/05
TIME 12:41:04.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST

TEST DATE 04/12/05 SPEED 80.8 TEST WT 2556.9

LIBRARY VC12454

Errata # 1 Data Set 04/15/05BA CHL001-016 50.2 REAR VC12454E

Errata # 1 Data Set 04/15/05BB CHL017-032 50.2 REAR VC12454E

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	P26875	-39.9	-36.5	-28.3	-25.3	-31.2	KPH
2	RIGHT FRONT SILL	X	P15465	-45.3	-42.6	-30.4	-25.7	-31.1	KPH
3	LEFT REAR SILL	X	ETBB872	-44.3	-35.5	-30.2	-26.3	-32.5	KPH
4	RIGHT REAR SILL	X	P31162	-54.6	-48.9	-29.1	-25.7	-32.5	KPH
5	SENSOR LT FRT C/Z MI	X	P19862	-63.9	-49.6	-25.1	-20.7	-30.4	KPH
6	SENSOR RT FRT C/Z MI	X	P33715	58.0	-59.9	-26.8	-18.2	-31.0	KPH
7	SWING GATE ABV HANDLE	X	P33338	261.5	-194.5	-115.7	-42.5	G	KPH*
8	AECM LT REAR CORNER	X	LC11374	-32.1	-31.4	-25.6	-22.8	-29.6	KPH
9	AECM LT REAR CORNER	Y	LC11289	-48.1	-33.8	16.2	8.4	2.0	KPH
10	AECM RT REAR CORNER	X	LC11221	-35.7	-31.7	-26.5	-23.5	-33.5	KPH
11	AECM RT REAR CORNER	Y	LC11429	-53.0	-37.7	16.5	8.4	0.3	KPH
33	M-ADJ FRONT XMBR	X	P34323	151.7	134.0	88.0	40.3	57.8	KPH
34	M-ADJ FRONT XMBR	Y	P34584	-41.9	-32.1	11.3	7.6	4.4	KPH
35	M-ADJ LT RAIL MID	X	P34685	62.7	59.7	44.3	36.7	55.5	KPH
36	M-ADJ RT RAIL MID	X	P34667	61.2	58.9	53.8	46.5	55.4	KPH
37	M-ADJ REAR XMBR	Y	P34814	-30.9	-19.4	-10.2	7.5	3.6	KPH

Multi-Channel Plot data

CHLS 1 2 & 3 4 CL PH60 AVERAGE OF FRT SILL -245.8G AT .4 MS

CHLS & 1 2 CL PH60 AVERAGE OF FRT SILL -245.9G AT .3 MS

* - See Notes & Comments page

DATE 04/15/05
TIME 12:41:04.

TEST VALUES
NOTES & COMMENTS

SAFETY TEST
DEPT 5320

VC12454 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-8196
06 XK, USA 301-REAR COMPLIANCE TEST

LIBRARY VC12454

Errata # 1 Data Set 04/15/05BA CHL001-016 50.2 REAR VC12454E

Errata # 1 Data Set 04/15/05BB CHL017-032 50.2 REAR VC12454E

CHL 7 *C* ***** INST. MALFUNCTION AFTER 40.1 MS *****

EA12-005

CHRYSLER

2-18-2013

Enclosure 6

301 Compliance Crash Test

2006 - 2010 Commander (XK)

Compliance

VC12923

SIDE IMPACTOR BARRIER CERTIFICATION

Date: July 28, 2005
To: Chrysler Corp.
1252 Chelsea Proving Grounds
3700 S. M-52 Highway
Chelsea, MI 48118-9600

PURCHASE ORDER INFORMATION


Customer P.O. Number: S1135923
Work Order Number: 131065
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: 117B0405

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

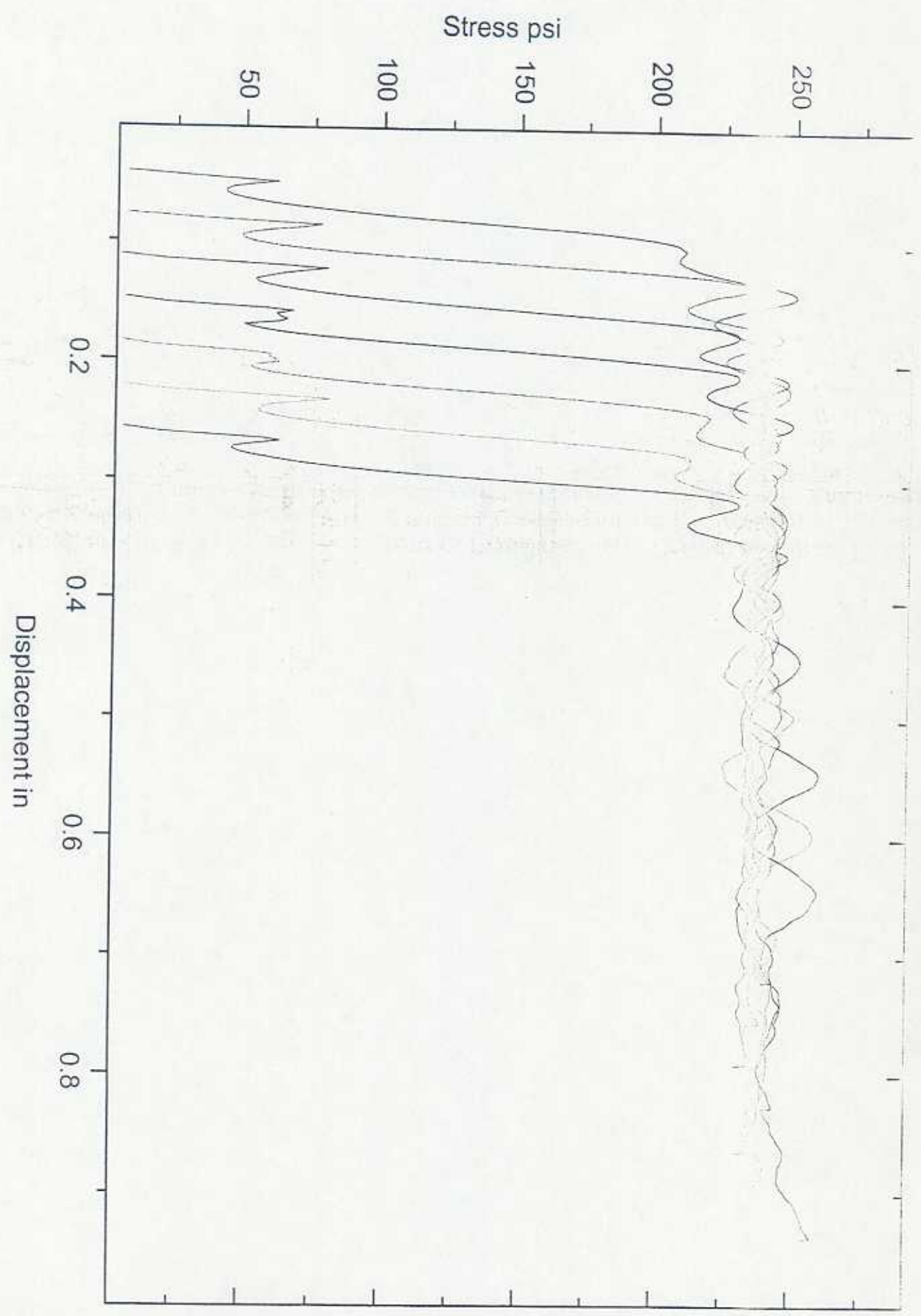


Crush Data
232 - 250 psi per DWG # DSL-1285

Block Number: 117B0405

<u>Specimen Number</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1	237.52	234.17	235.51
2	238.33	237.43	237.76
3	240.12	238.12	233.94
4	240.03	239.78	240.19
5	240.84	240.64	242.06
6	234.55	244.50	239.68
7	244.11	247.19	242.56

BLOCK # 117B0405 Sample ID: IN233954



SIDE IMPACTOR BARRIER CERTIFICATION

Date: July 28, 2005

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

PURCHASE ORDER INFORMATION

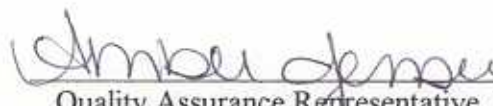
Customer P.O. Number: S1135923
Work Order Number: 131065
Plascore Part Number: 18723
Quantity: 01 piece

CORE INFORMATION

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

Unit Number: 052B0705

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

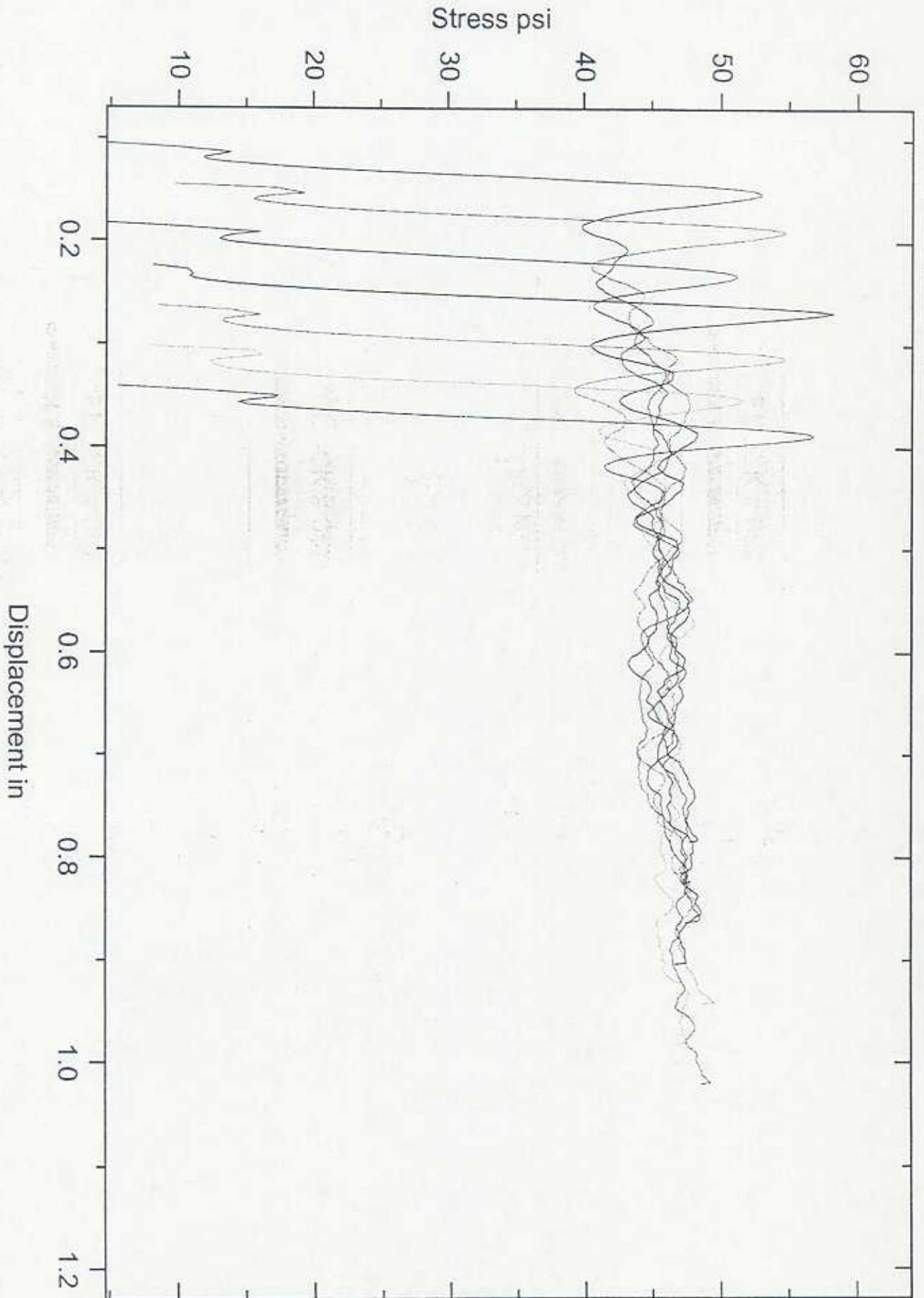


Crush Data
45 psi +/- 2.5 psi per DWG # DSL-1285

Block Number: 052B0705

<u>Specimen Number</u>	<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>
1	45.09	44.85	45.88
2	46.30	45.11	44.38
3	45.58	46.21	45.65
4	46.82	46.03	47.47
5	45.16	45.57	47.28
6	45.94	46.26	46.36
7	46.73	47.31	46.85

BLOCK # 052B0705 Sample ID: IN234576



Vehicle Attitude Sheet

Test Number:	VC 12923	Test Engineer:	Verdiyan
Item Number:	XKJ-6923	V.I.N:	1J8HG58246C100166
Body Type:	74 - 4-Door Sport Utility/Tourir Test Speed (MPH): 50		
Test Type:	LEFT REAR 70% OFFSET MOVING BARRIER		

Fender / Wheelwell Heights

Still Heights

	LF	LR	RF	RR
As Received	32.5	33.8	32.4	33.8
As Tested	31.8	33.7	31.8	33.7

Test VC12923

Last Requester Update
Last Check

12/02/2005 01:44:38 PM EST
1/2/2006 12:30:45 PM

VC12923 50.0 MPH ITEM XKJ-6923 07 XK, 2007 USA 301-OFFSET (50) BELTED (H2) (REAR TYPE V ADJUSTABLE) DEVEL

Analysis	Camera	Lens	Sync	F Stop	HGacq	Pnl	Clb	Skt
1 <input type="checkbox"/>	ONBOARD REAR LIFTGATE LATCH							
	A	Photosonic	25	mm	C5828	CEN		<input type="checkbox"/> 350
2 <input type="checkbox"/>	ONBOARD LOW REAR LIFTGATE LATCH							
	C	Photosonic	13	mm	288	ILX		<input type="checkbox"/> 350
	MOUNT CAMERA HIGH TO VIEW DOWN INTO LIFTGATE LATCH AREA.							
3 <input type="checkbox"/>	CATWALK OVERALL							
	1	HG2000	ZOOM	mm	#1	CAN		<input type="checkbox"/> 350
4 <input type="checkbox"/>	LEFT OVERALL							
	6	HG2000	ZOOM	mm	#6	CAN		<input type="checkbox"/> 350
5 <input type="checkbox"/>	LEFT REAR BUMPER TO BARRIER							
	7	HG2000	ZOOM	mm	#5	CAN		<input type="checkbox"/> 350
6 <input type="checkbox"/>	PIT FUEL TANK							
	4	HG2000	13	mm	105455	KIN		<input type="checkbox"/> 350
7 <input type="checkbox"/>	PIT VEHICLE REAR							
	17	HG2000	18	mm	116693	KIN		<input type="checkbox"/> 350
8 <input type="checkbox"/>	REAR 45 VEHICLE STRUCKSIDE							
	14	HG2000	ZOOM	mm	#4	CAN		<input type="checkbox"/> 350
9 <input type="checkbox"/>	REAR 45 VEHICLE UNSTRUCKSIDE							
	3	HG2000	ZOOM	mm	#7	CAN		<input type="checkbox"/> 350
10 <input type="checkbox"/>	RIGHT OVERALL							
	13	HG2000	ZOOM	mm	#10	CAN		<input type="checkbox"/> 350
11 <input checked="" type="checkbox"/>	VELOCITY							
	18	HG2000	ZOOM	mm	#8	CAN		<input type="checkbox"/> 250
								VEL

In Addition to Default Print:

ORIGINAL ORDER

Custom Measurements and Observations

Test Number:	VC 12923	Test Engineer:	Verdyan
Item Number:	XKJ-6923	V.I.N.:	1J8HG58246C100166
Body Type:	74 - 4-Door Sport Utility/Tourii	Test Speed (MPH)	50
Test Type:	LEFT REAR 70% OFFSET MOVING BARRIER		

DOOR EFFORTS

	PRE TEST UNLATCH/OFFEN	POST TEST UNLATCH/OFFEN	
LF	59/29	121.5/39.5	
LR	99.5/26.5	192.5 @ 638.5 N DO NOT OPEN	
RF	57.5/29.0	68.5/53.0	
RR	64.5/27.5	71.0/49.0	

DATE 01/03/06
TIME 13:07:21.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC12923 ITEM XKJ-6923
VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
TEST DATE 01/03/06
TEST SITE CPG

TEST PURPOSE PRIMARY, 2007 USA 301-OFFSET DEVELOPMENT

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

VEHICLE BODY CLASS; XK
CAR LINE; NONE
BODY; 74
ENGINE; EZB
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8GH58246C100166
VIN AS BUILT; 1J8HG58246C100166

TEST SPEED 49.900 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 5632.00 TOTAL, 3074.00 FRONT, 2558.00 REAR,

OCCUPANTS 1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- UNIBELT
1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
5.7L 4X4 LIM
MODIFIED BUILD:
REPLACE ORC WITH 50G ORC WITH INTERNAL-MONITORING
CAPABILITY, LEVEL 8.7R, FLASHED WITH LATEST CALIBR
ATION (9E0E).
MODIFIED EMD BUILD:
REPLACE EXISTING FUEL TANK WITH 07 4.7L TANK WITH
21.1 GAL VOLUME W/VDO MODULE AND ASSOCIATED VDO SP
ECIFIC TANK-SIDE FUEL LINES.REPLACE FUEL FILLER TU
BE WITH NEW ONE THAT HAS WELDED CAP AND BIGGER CUP
.PURGE FUEL SYSTEM OF GASOLINE, PRESSURE CHECK, AN
D FILL WITH THREE GALLONS OF STODDARD SOLVENT.

TARGET WEIGHT(KG) 2556.92 TOTAL, 0.00 FRONT, 0.00 REAR
INCLUDING BALLAST AND OCCUPANTS

DATE 01/03/06
TIME 13:07:21.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC12923 ITEM XKJ-6923

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923

07 XK, USA 301-OFFSET DEVELOPMENT TEST

TEST DATE 01/03/06

TEST SITE CPG

FUEL AND BALLAST

75.7 LITRES STODDARD SOLVENT

175 LBS ADDED = 75 LBS ON DRIVER'S FLOOR + 100 LBS
ON FRONT PASSENGER SIDE FLOOR

KG ADDITIONAL BALLAST WEIGHTS

0.00 KG BALLAST WEIGHT SECURED IN CARGO AREA

POST TEST REMARKS

POST-TEST MEASUREMENTS REQ :

LR DOOR DOES NOT OPEN @ 638.5 N

POST-TEST TEST COMMENTS :

EDP TECHNICIAN

S. MARCHENIA

No. of Pages 37
CC

M. STEBELTON
K. TRUDGEON

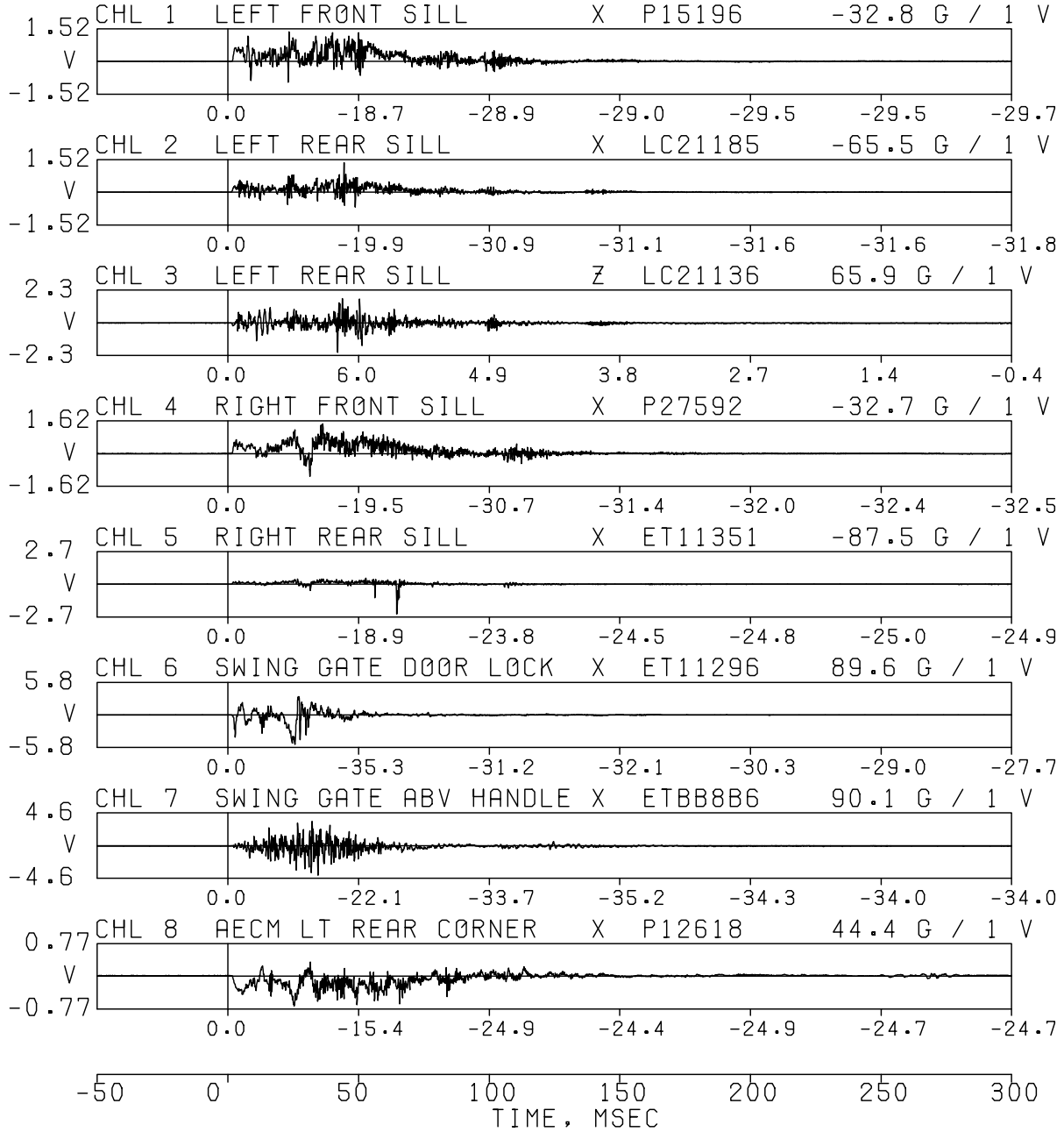
422-05-01
514-17-39

TRANSDUCER SUMMARY REPORT

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
 07 XK, USA 301-OFFSET DEVELOPMENT TEST
 IMPACT ANALYSIS DEPT. 5320
 JAN 3,2006

DATA SET 01/03/06BC
 ERRATA 1

-50 0 50 100 150 200 250 300



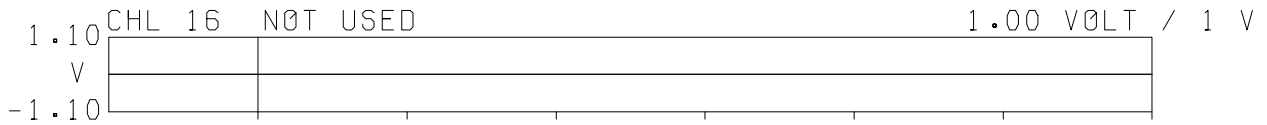
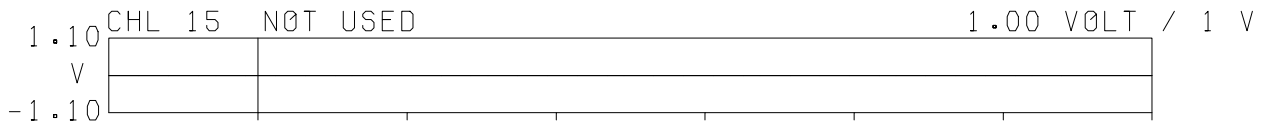
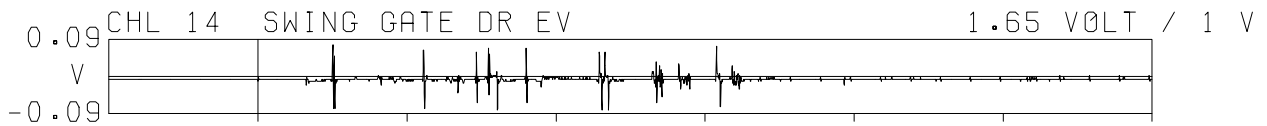
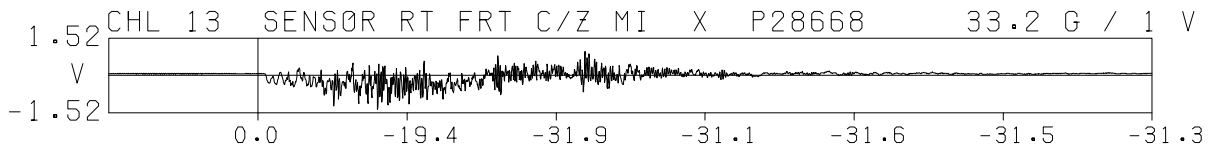
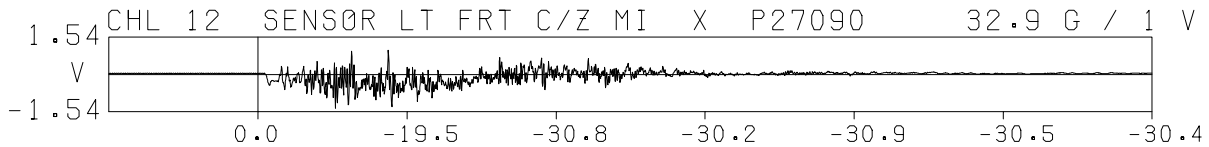
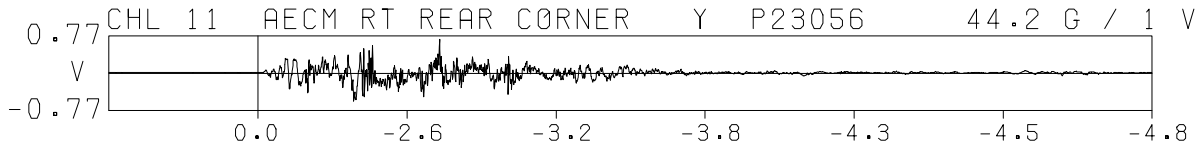
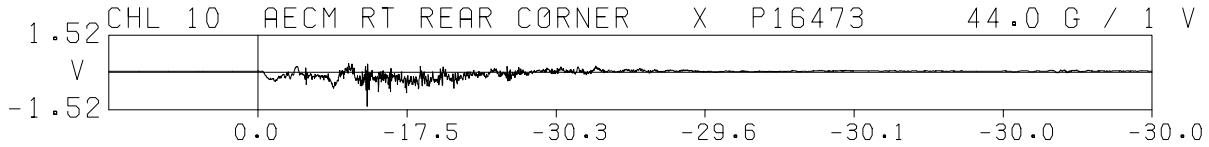
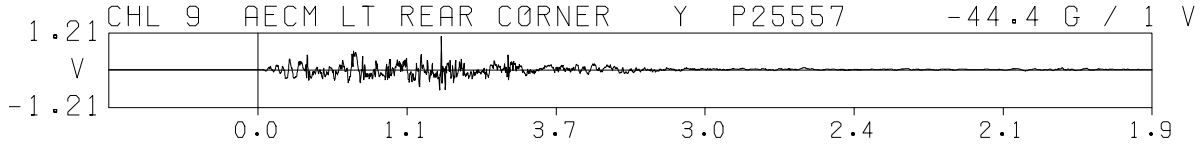
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
 07 XK, USA 301-OFFSET DEVELOPMENT TEST
 IMPACT ANALYSIS DEPT. 5320
 JAN 3, 2006

DATA SET 01/03/06BC
 ERRATA 1

-50 0 50 100 150 200 250 300



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

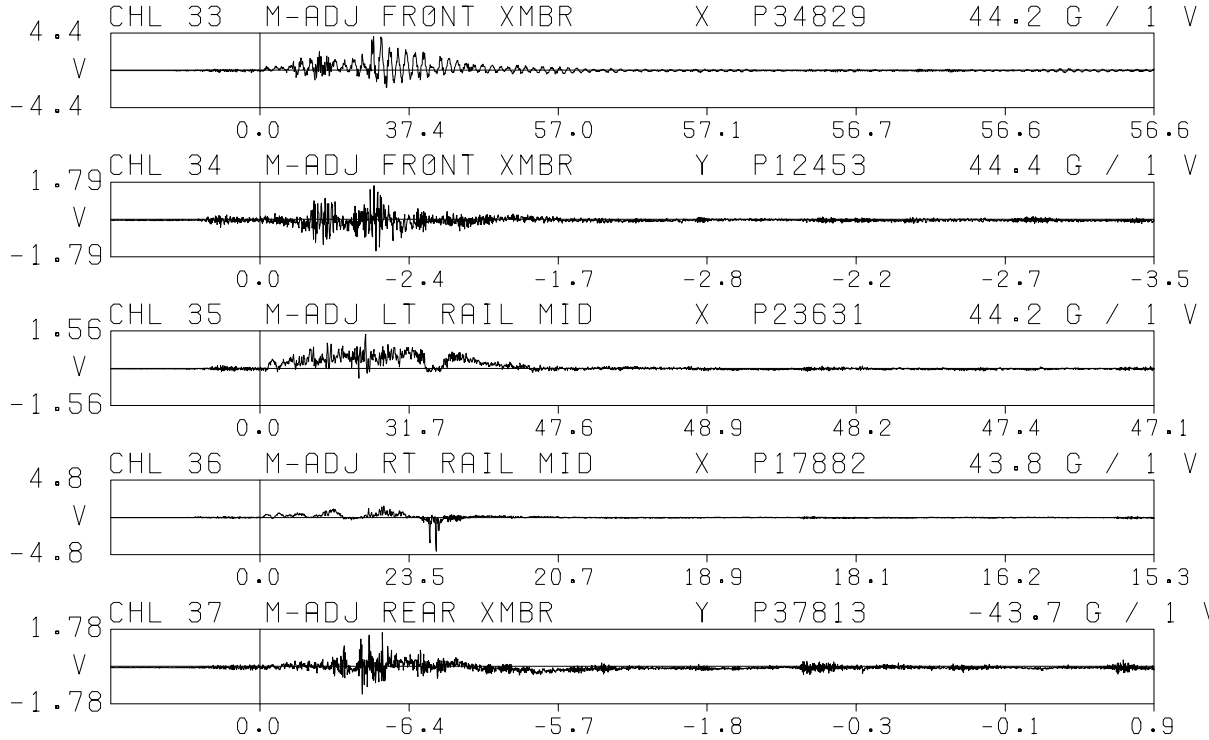
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
 07 XK, USA 301-OFFSET DEVELOPMENT TEST
 IMPACT ANALYSIS DEPT. 5320
 JAN 3,2006

DATA SET 01/03/06BE
 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-.

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST

AVERAGE OF

CHANNEL 001	LEFT FRONT SILL	X	P15196
CHANNEL 004	RIGHT FRONT SILL	X	P27592
CHANNEL 002	LEFT REAR SILL	X	LC21185
CHANNEL 005	RIGHT REAR SILL	X	ET11351

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

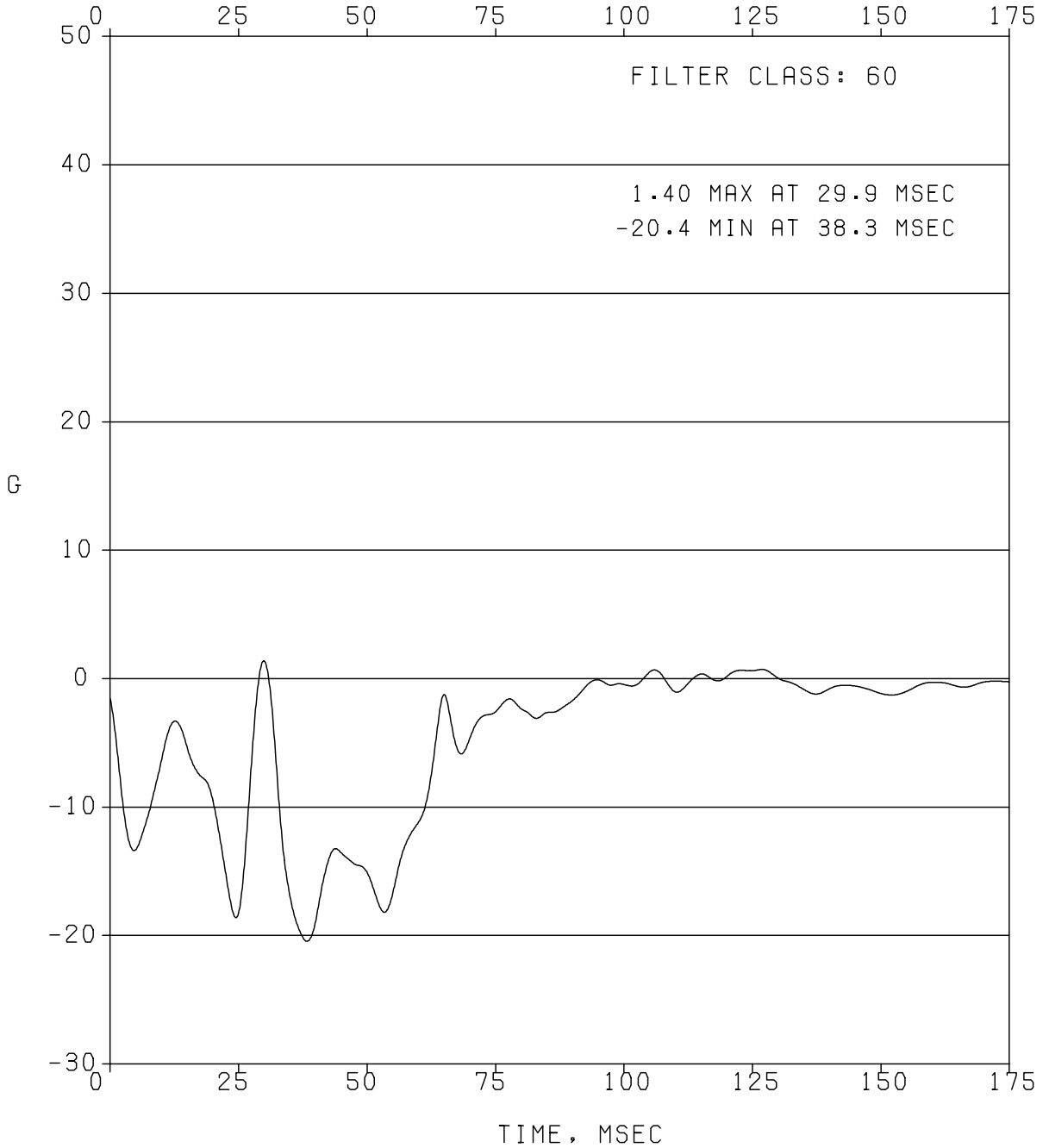
IMPACT ANALYSIS DEPT. 5320

DATA SET 01/03/06BC

JAN 3, 2006

ERRATA

1



VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST

AVERAGE OF

CHANNEL 001 LEFT FRONT SILL X P15196
CHANNEL 004 RIGHT FRONT SILL X P27592

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

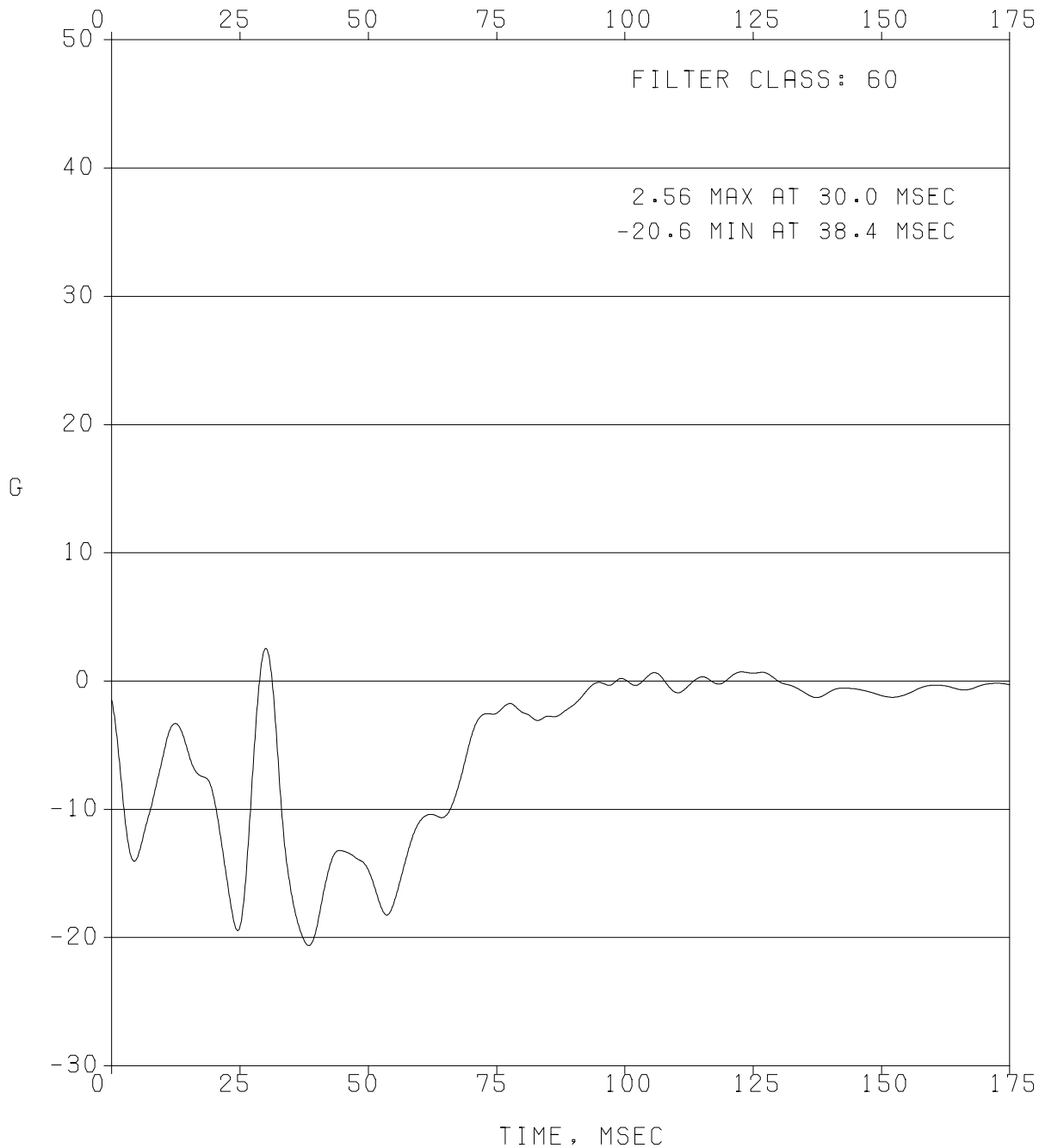
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DATA SET 01/03/06BC

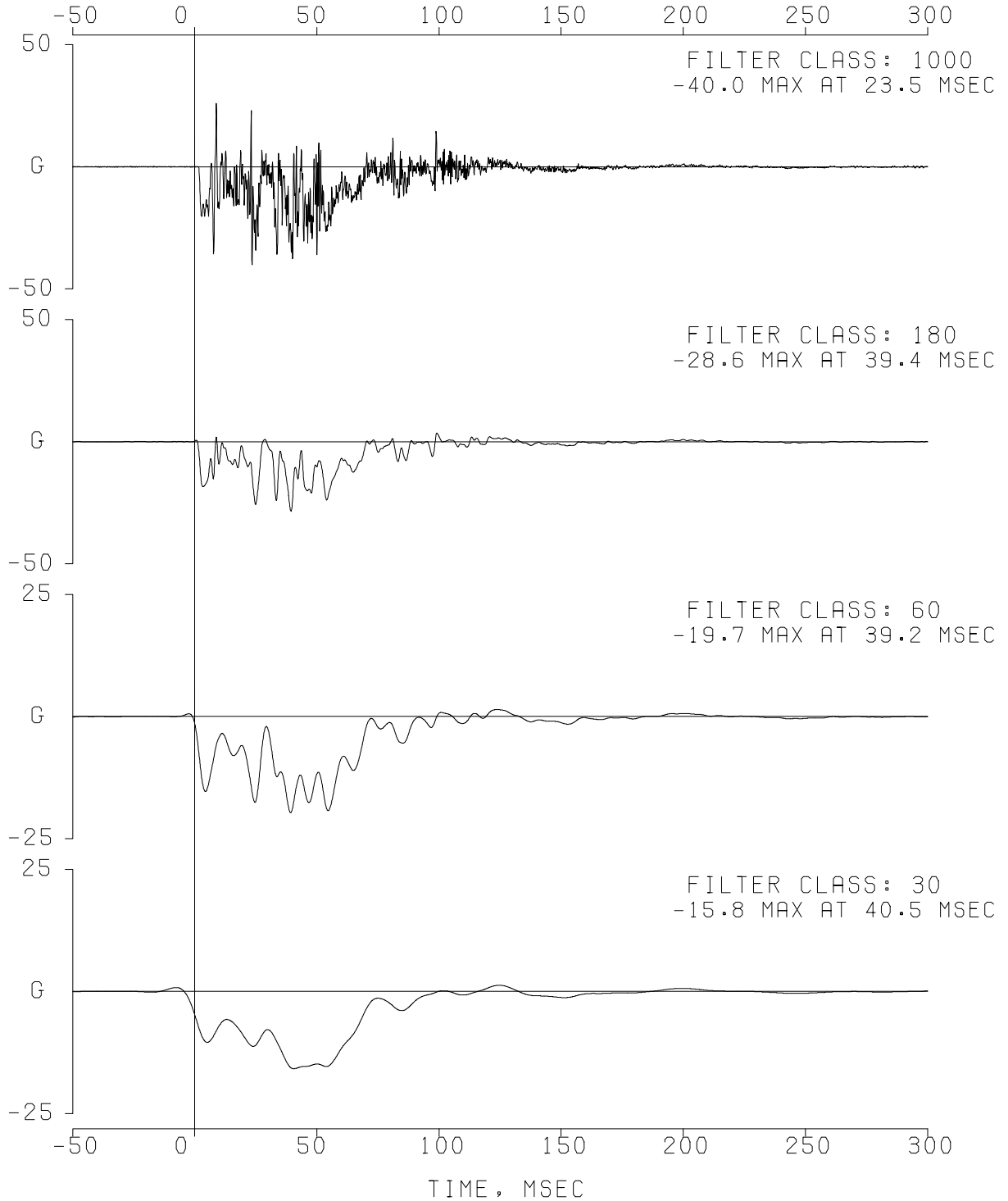
JAN 3, 2006

ERRATA

1



VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 001 LEFT FRONT SILL X P15196
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1

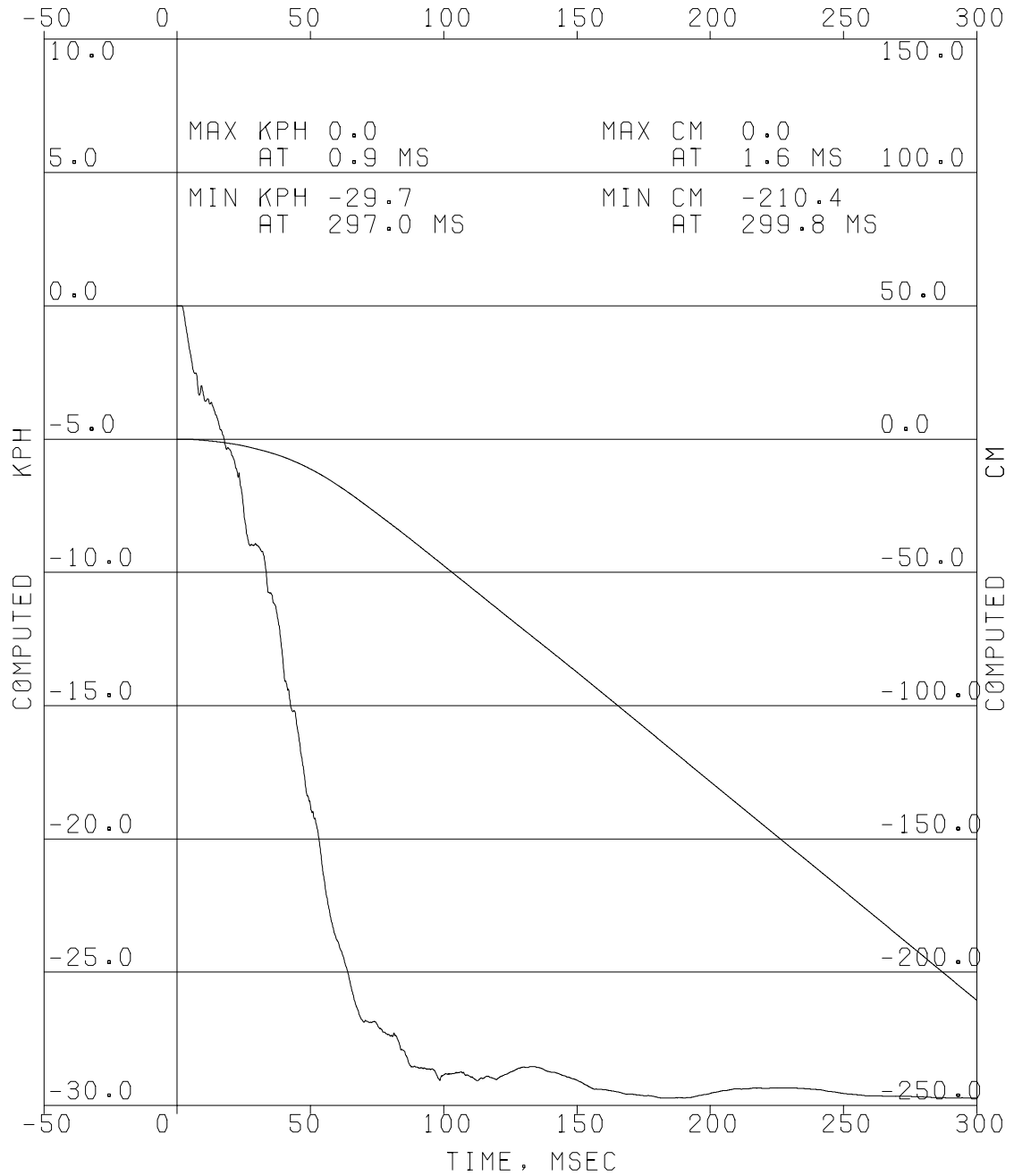


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
 07 XK, USA 301-OFFSET DEVELOPMENT TEST
 CHANNEL 001 LEFT FRONT SILL X P15196

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

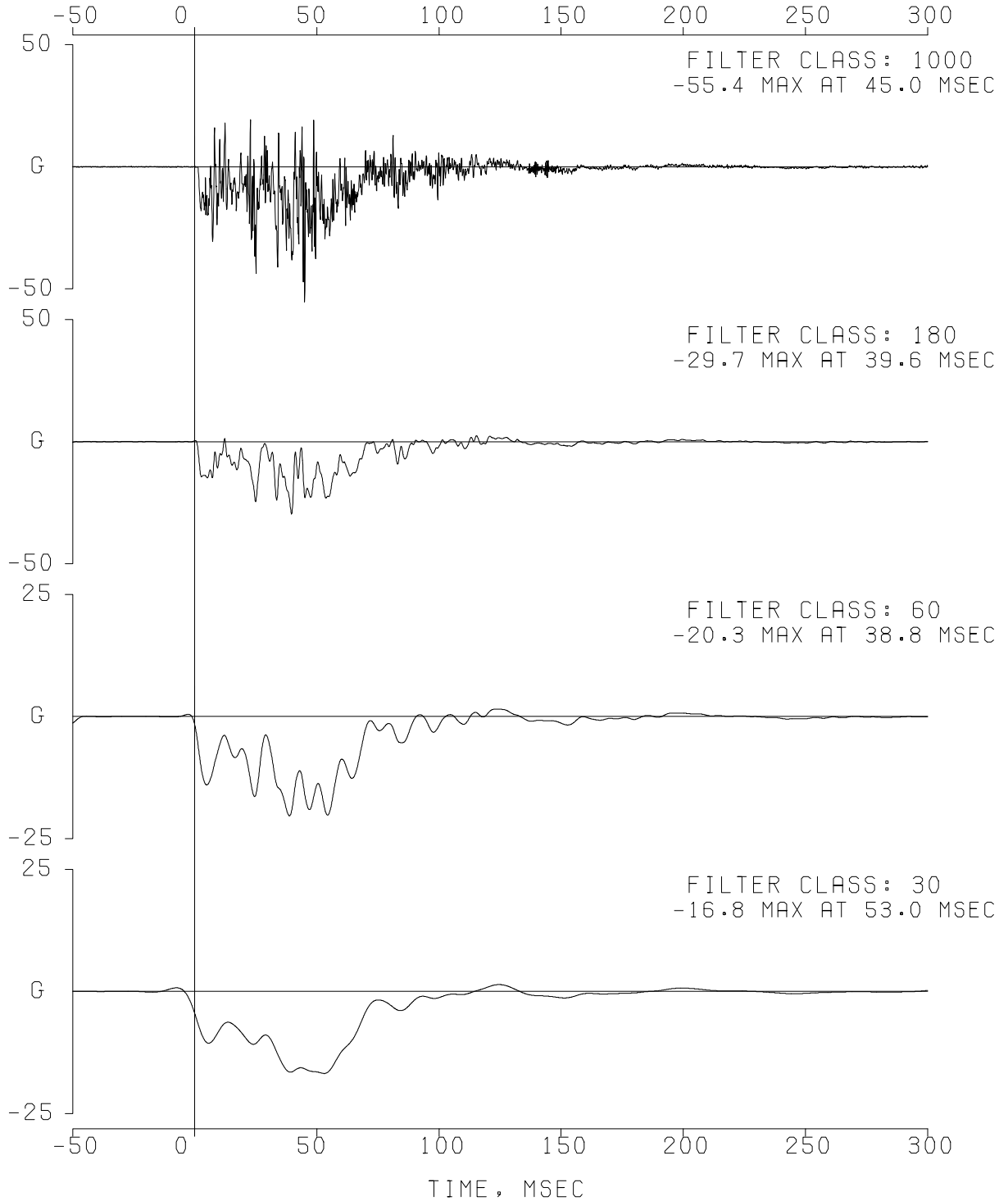
IMPACT ANALYSIS DEPT. 5320
 JAN 3,2006

DATA SET 01/03/06BC
 ERRATA 1



COMPUTED KPH
 COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 002 LEFT REAR SILL X LC21185
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1

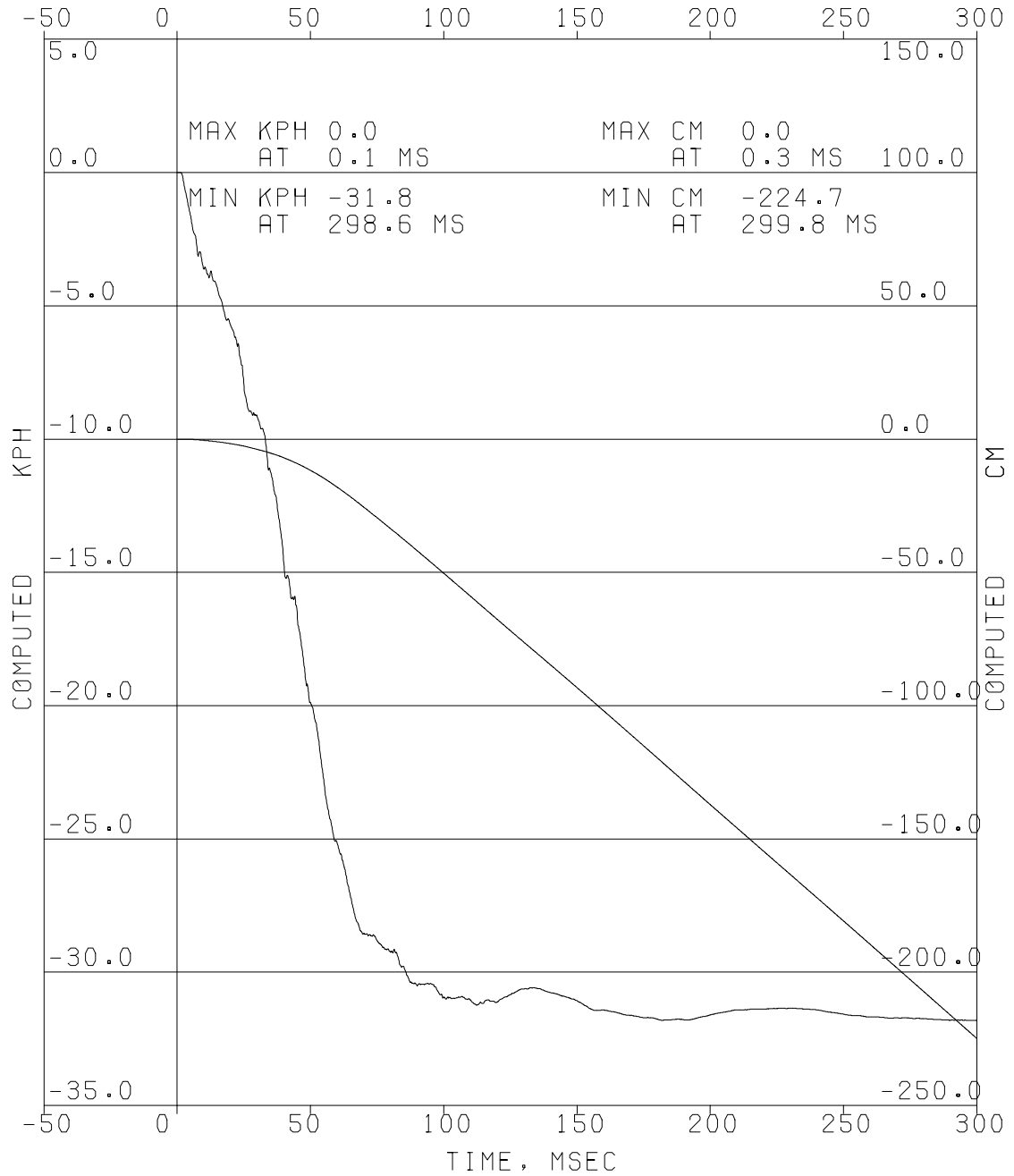


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 002 LEFT REAR SILL X LC21185

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

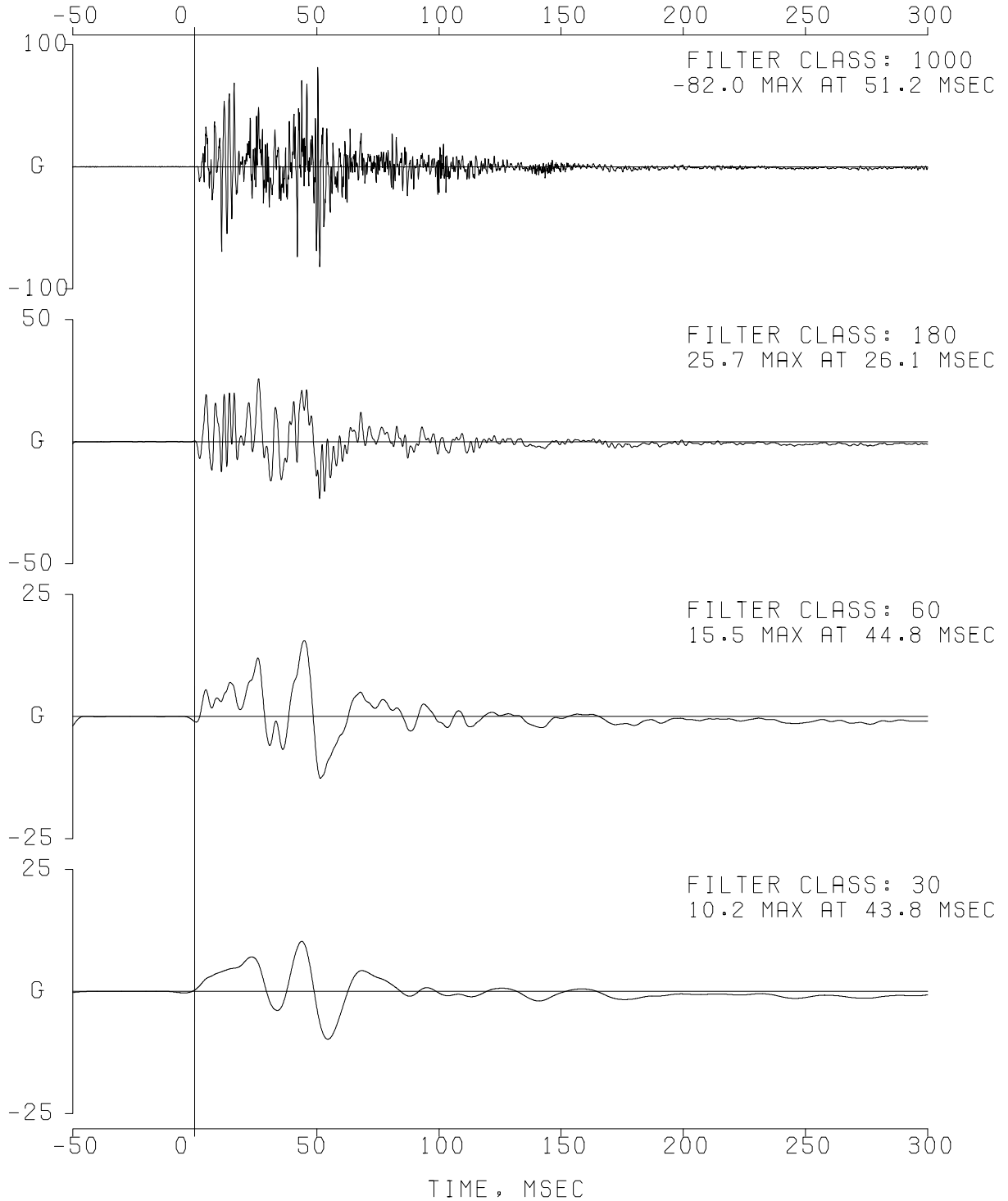
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BC
ERRATA 1

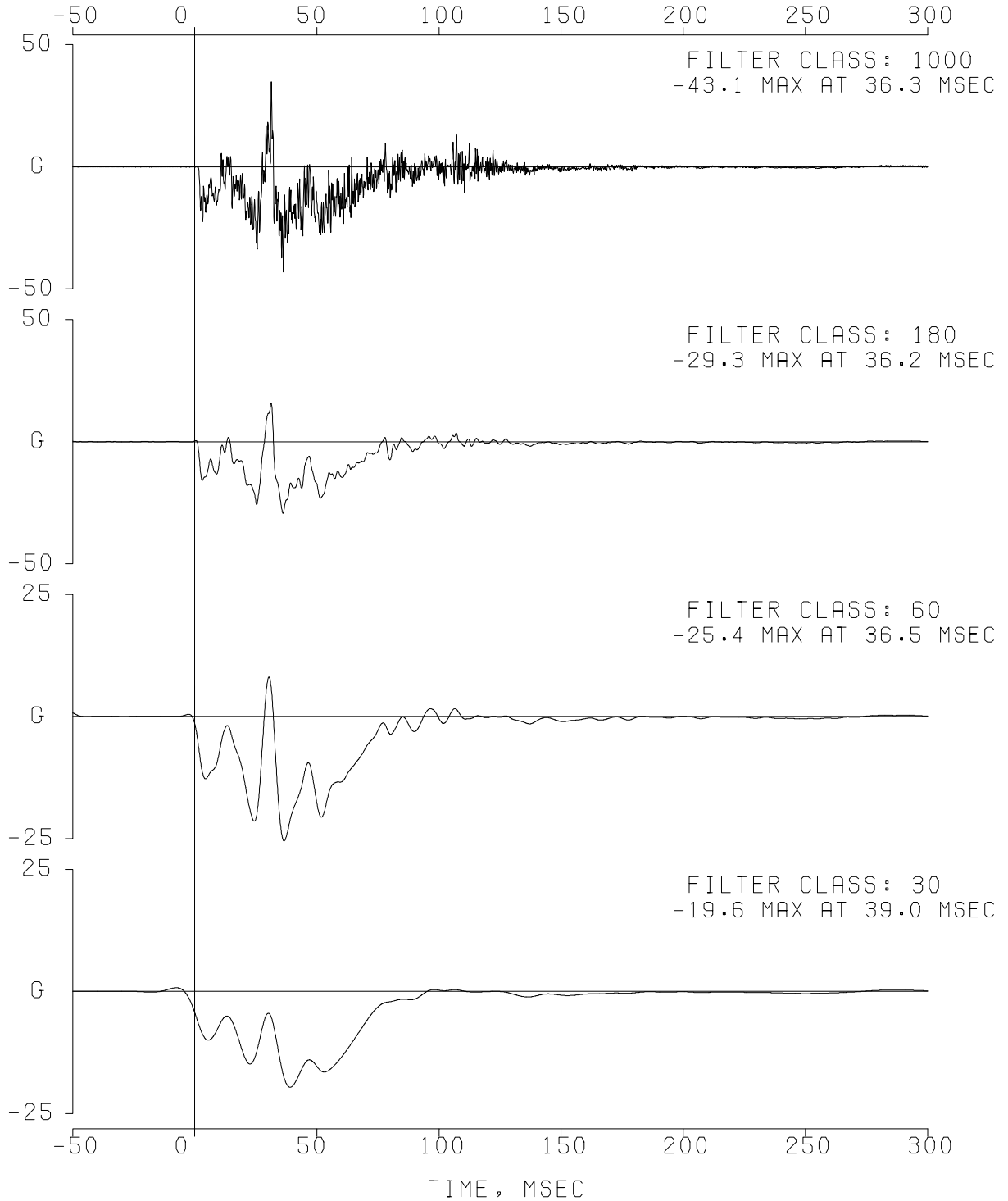


COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 003 LEFT REAR SILL Z LC21136
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1



VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 004 RIGHT FRONT SILL X P27592
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1

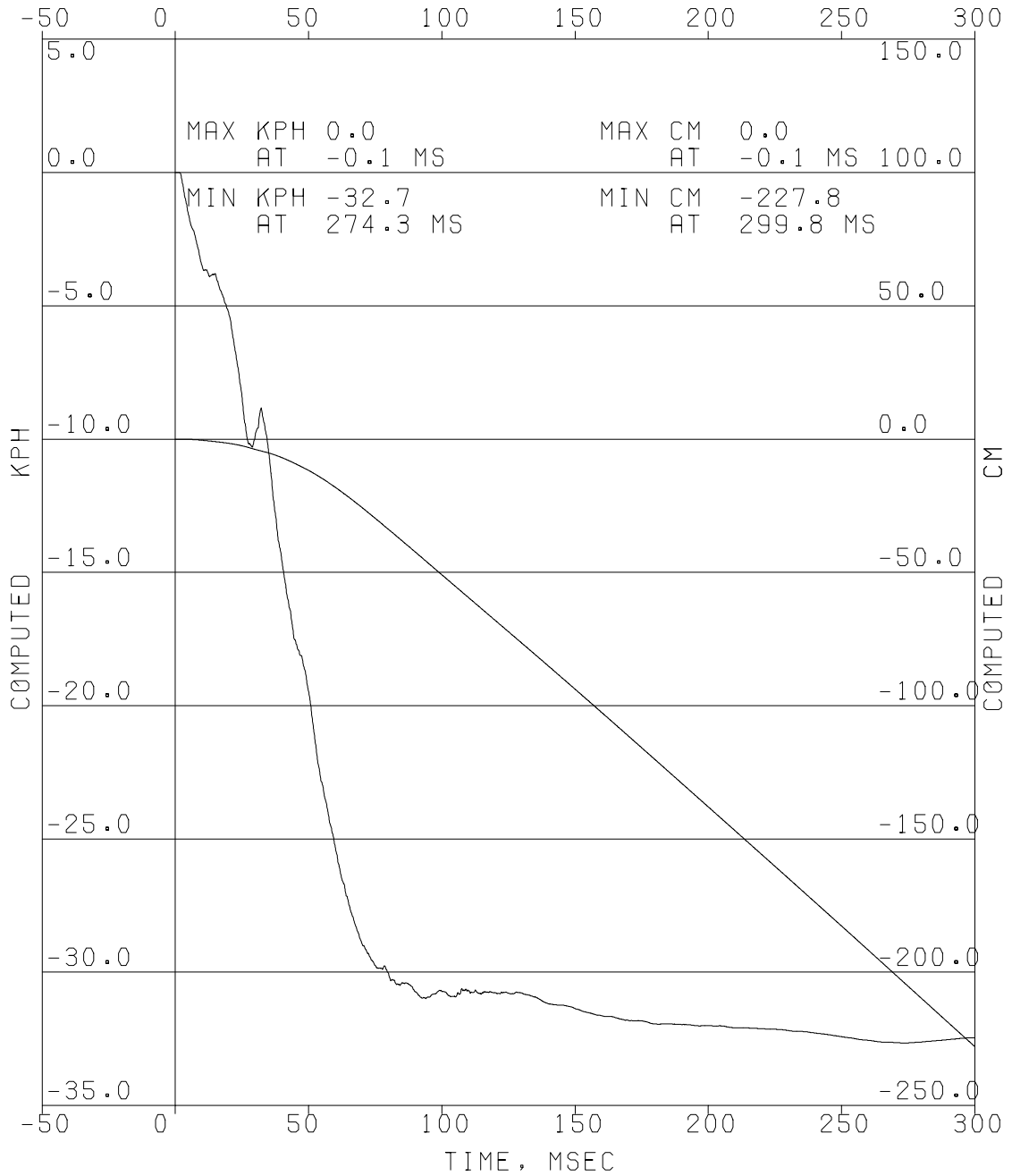


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 004 RIGHT FRONT SILL X P27592

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

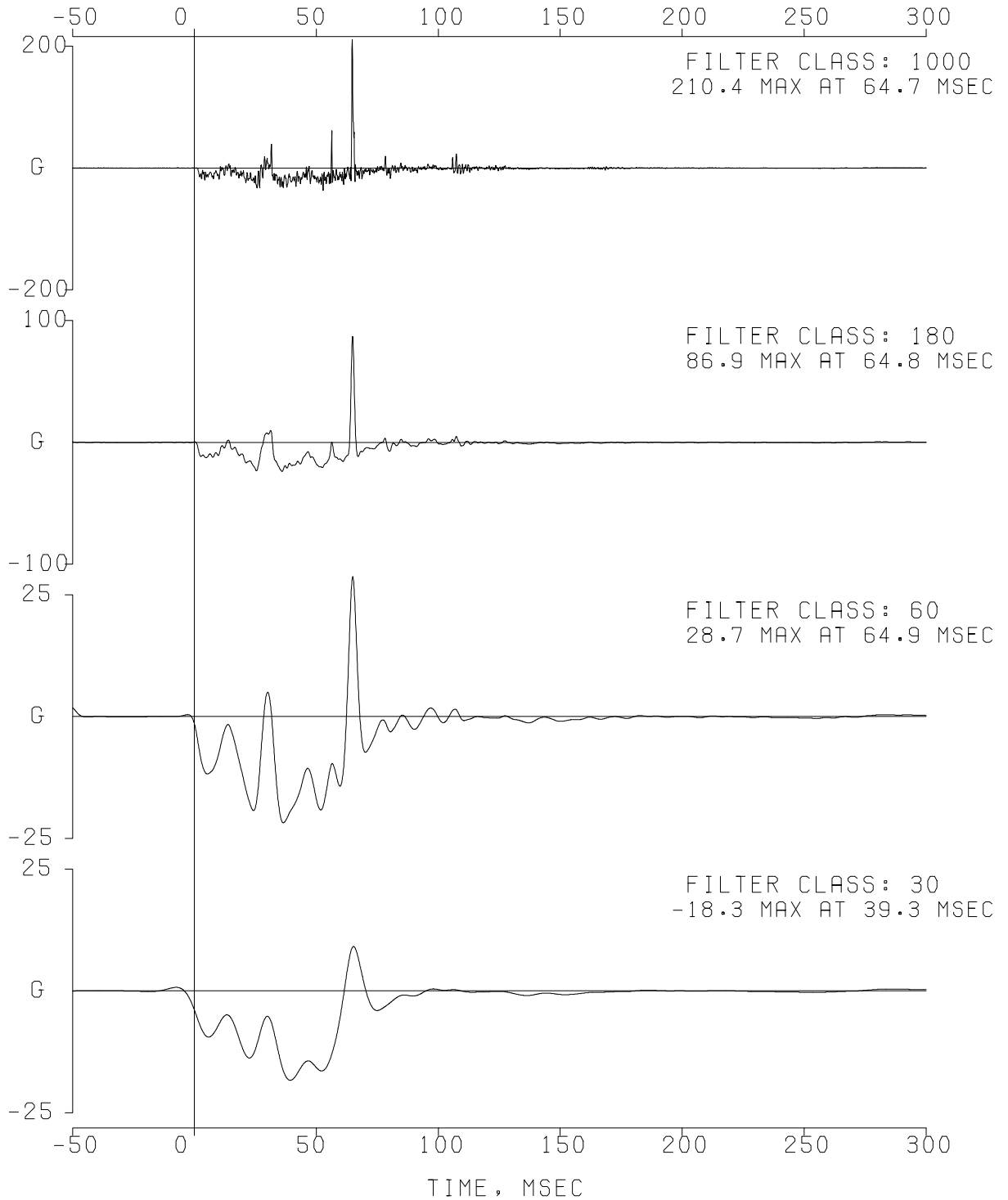
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 005 RIGHT REAR SILL X ET11351
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1

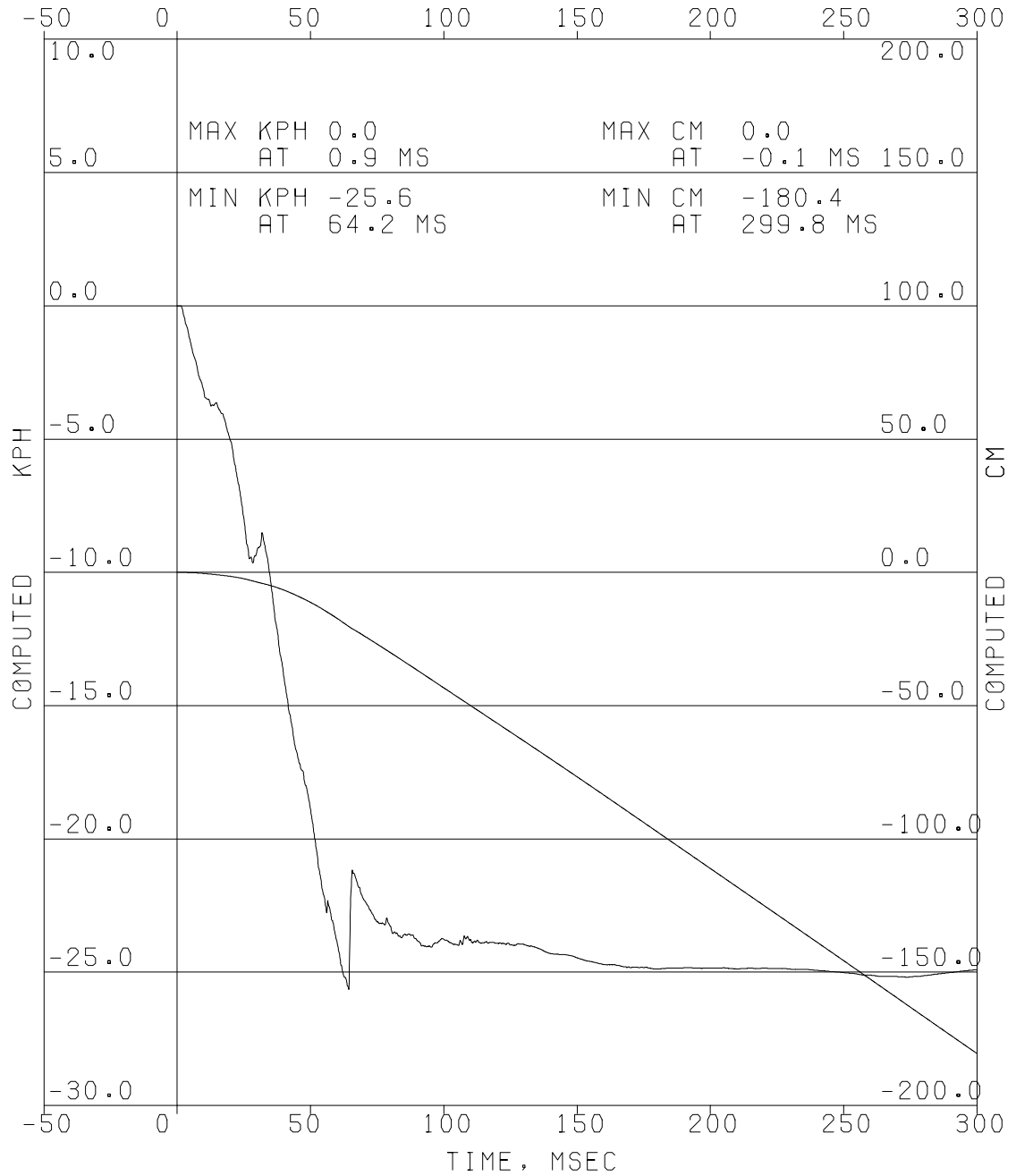


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 005 RIGHT REAR SILL X ET11351

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

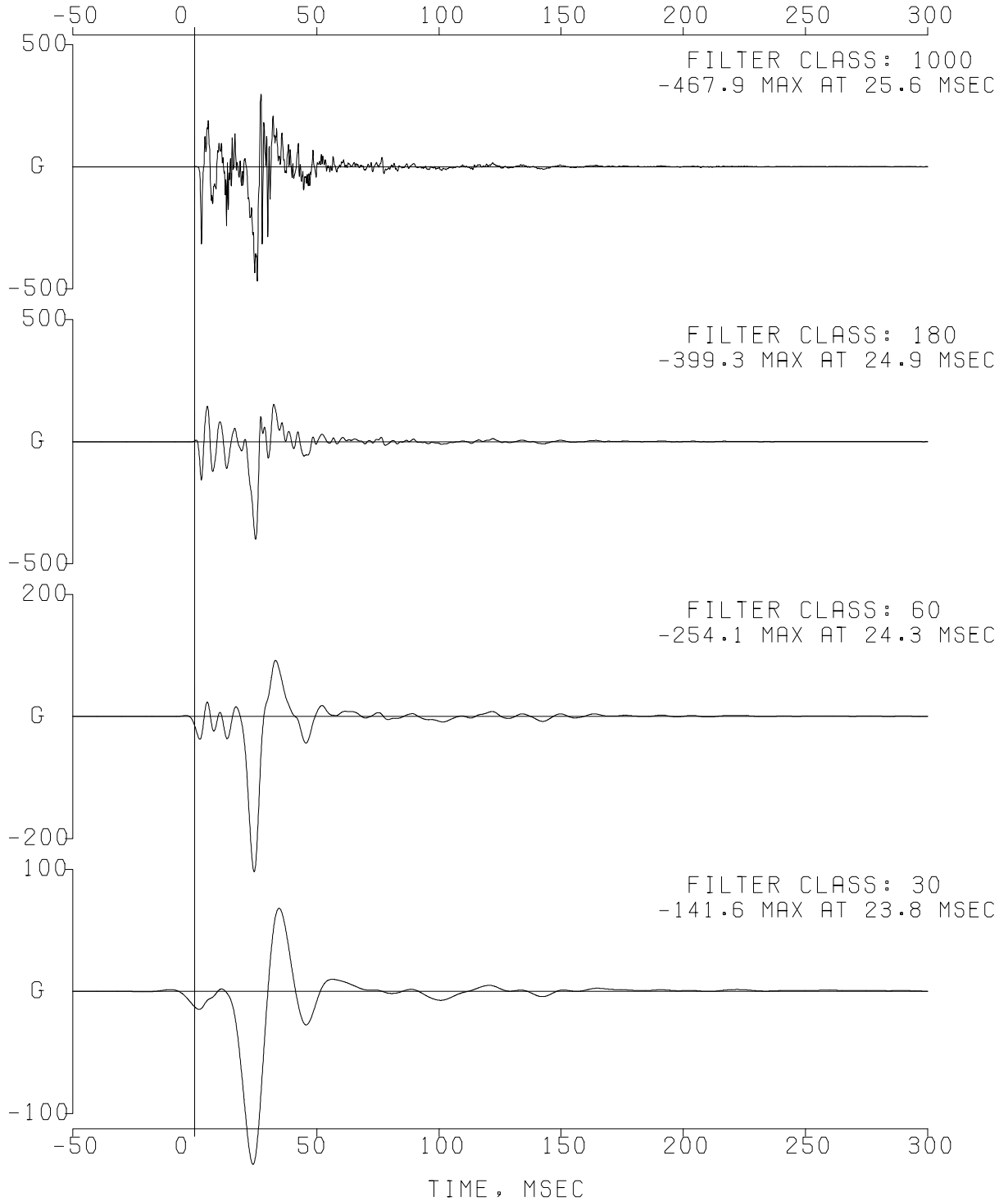
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 006 SWING GATE DOOR LOCK X ET11296
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1



VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 006 SWING GATE DOOR LOCK X ET11296

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

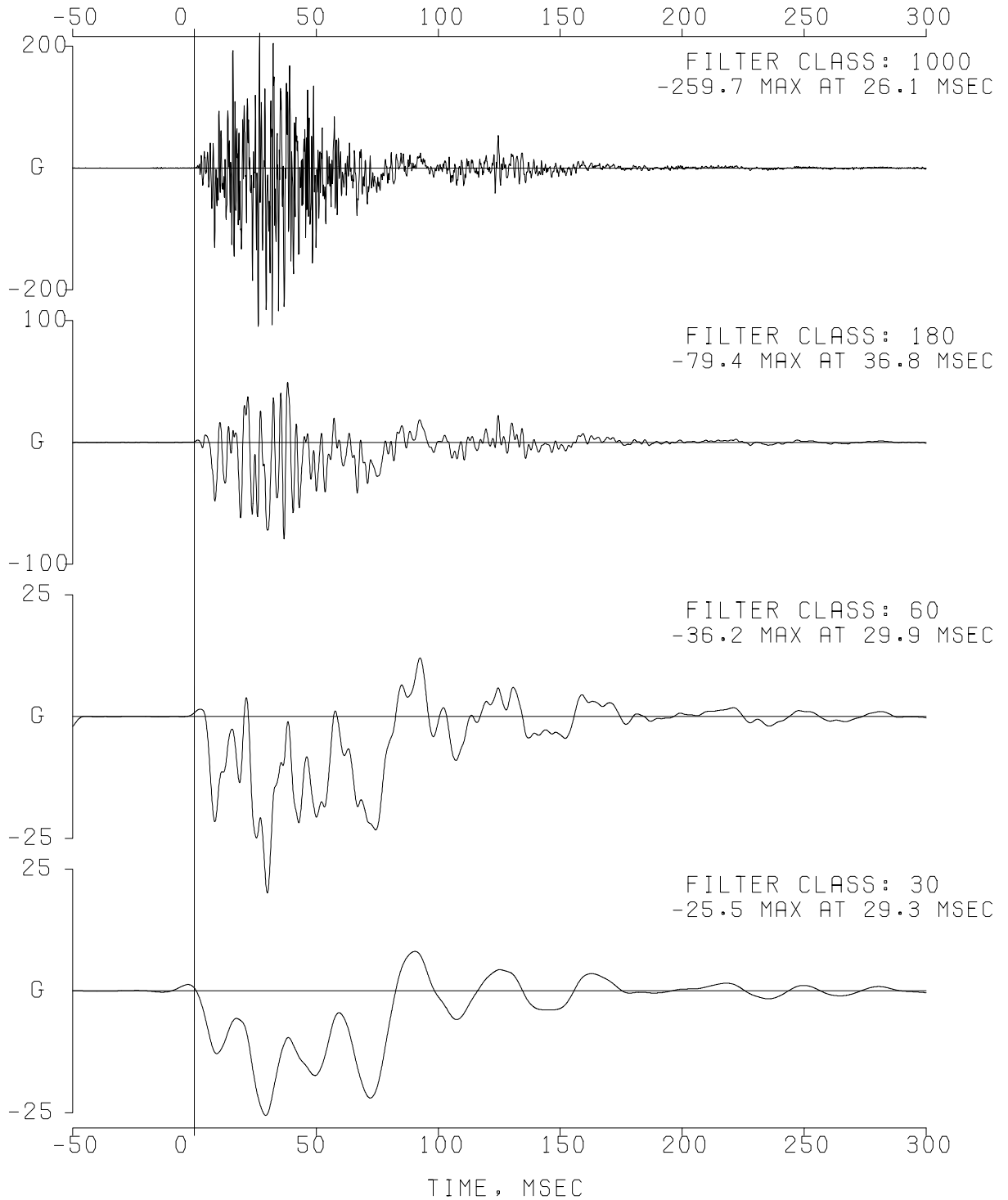
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 007 SWING GATE ABV HANDLE X ETBB8B6
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1

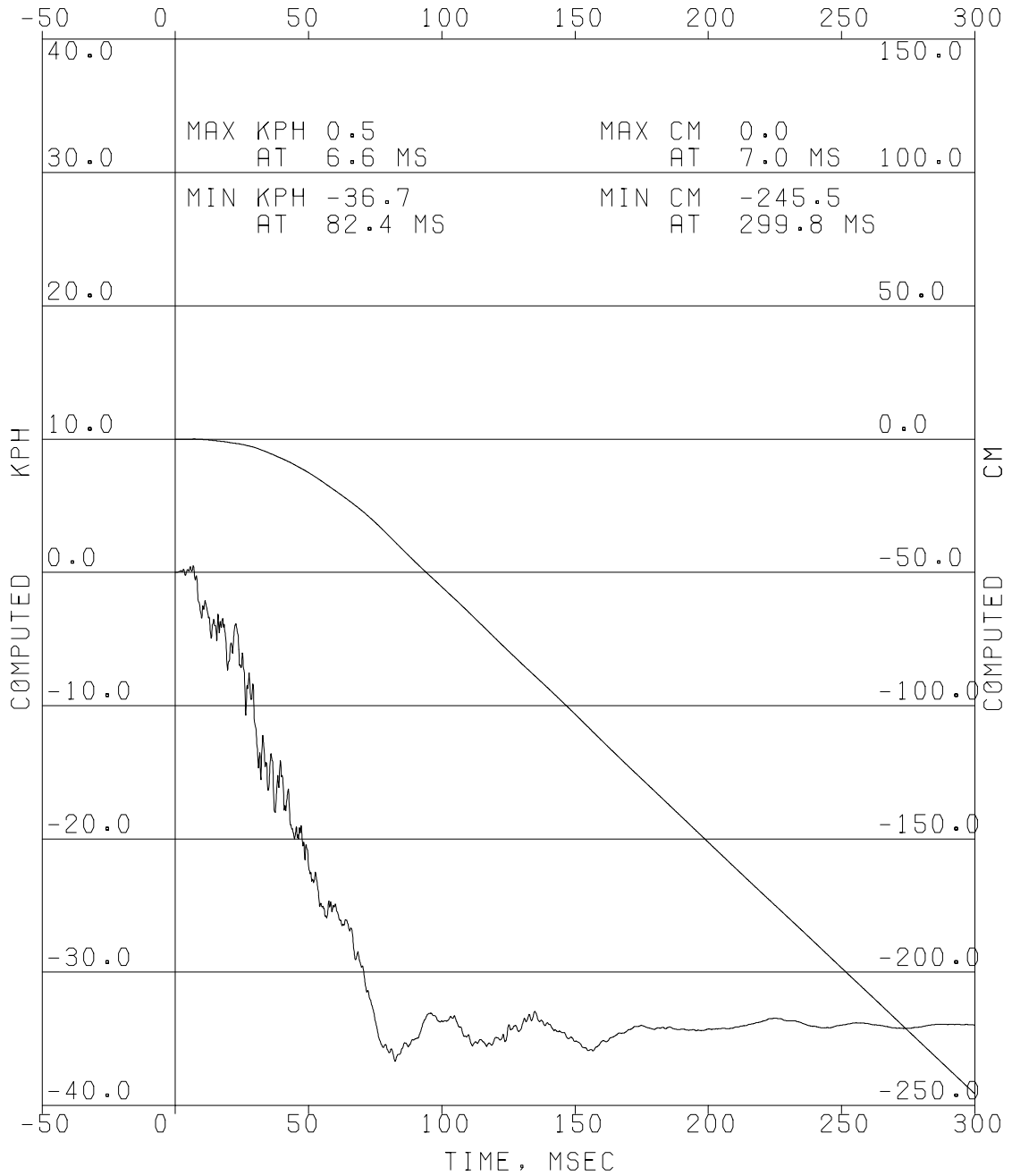


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 007 SWING GATE ABV HANDLE X ETBB8B6

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

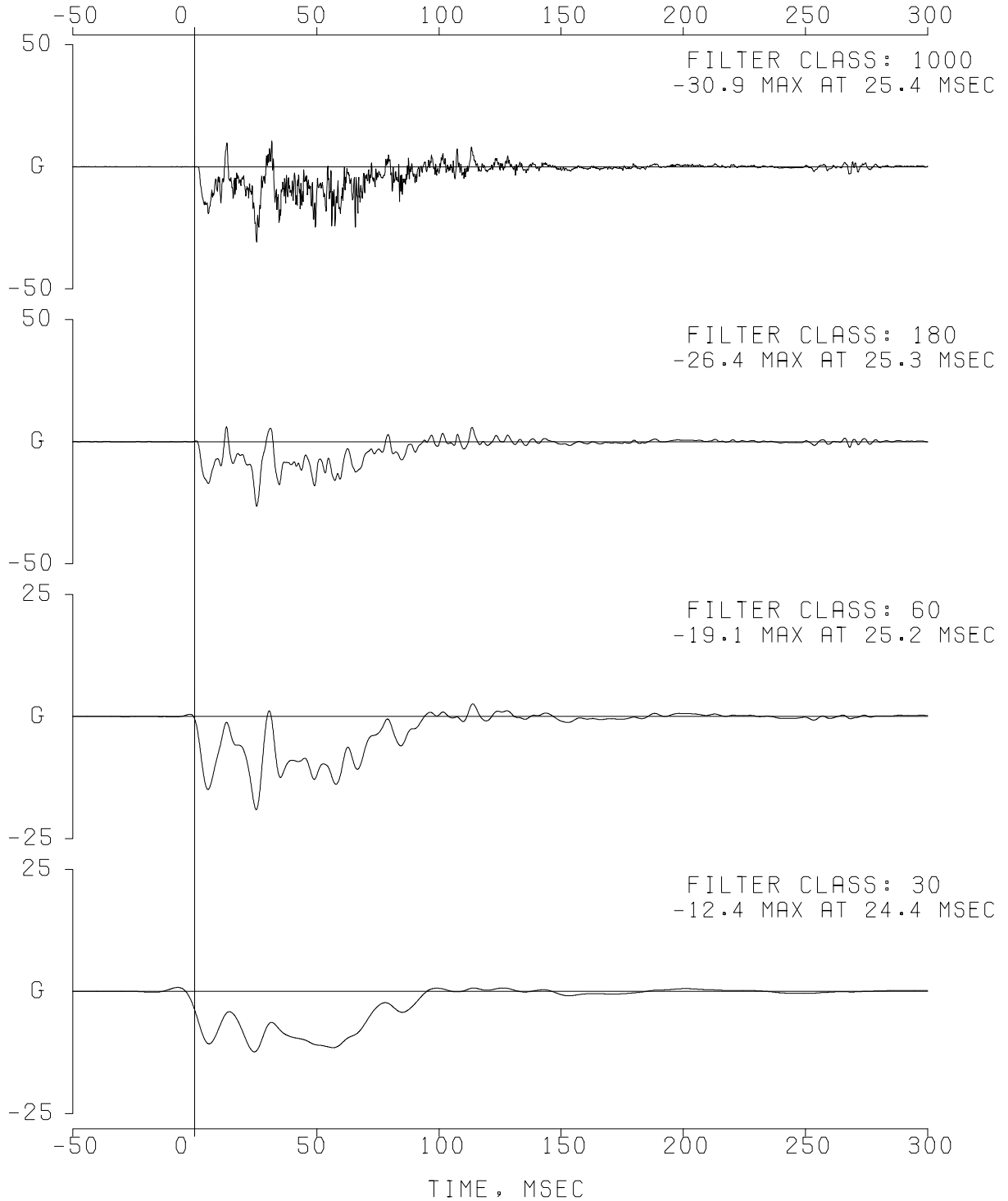
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 008 AECM LT REAR CORNER X P12618
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1

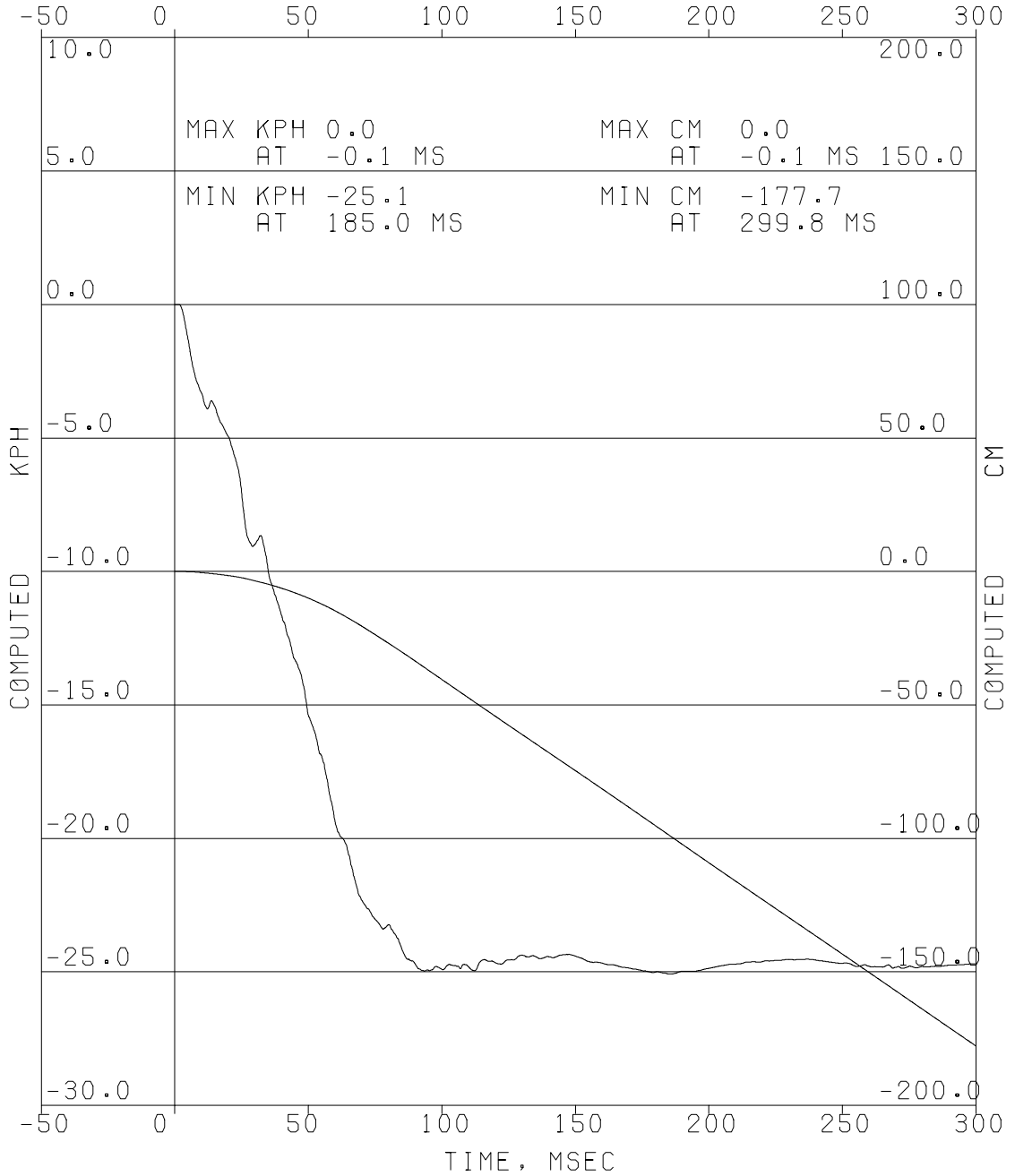


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 008 AECM LT REAR CORNER X P12618

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

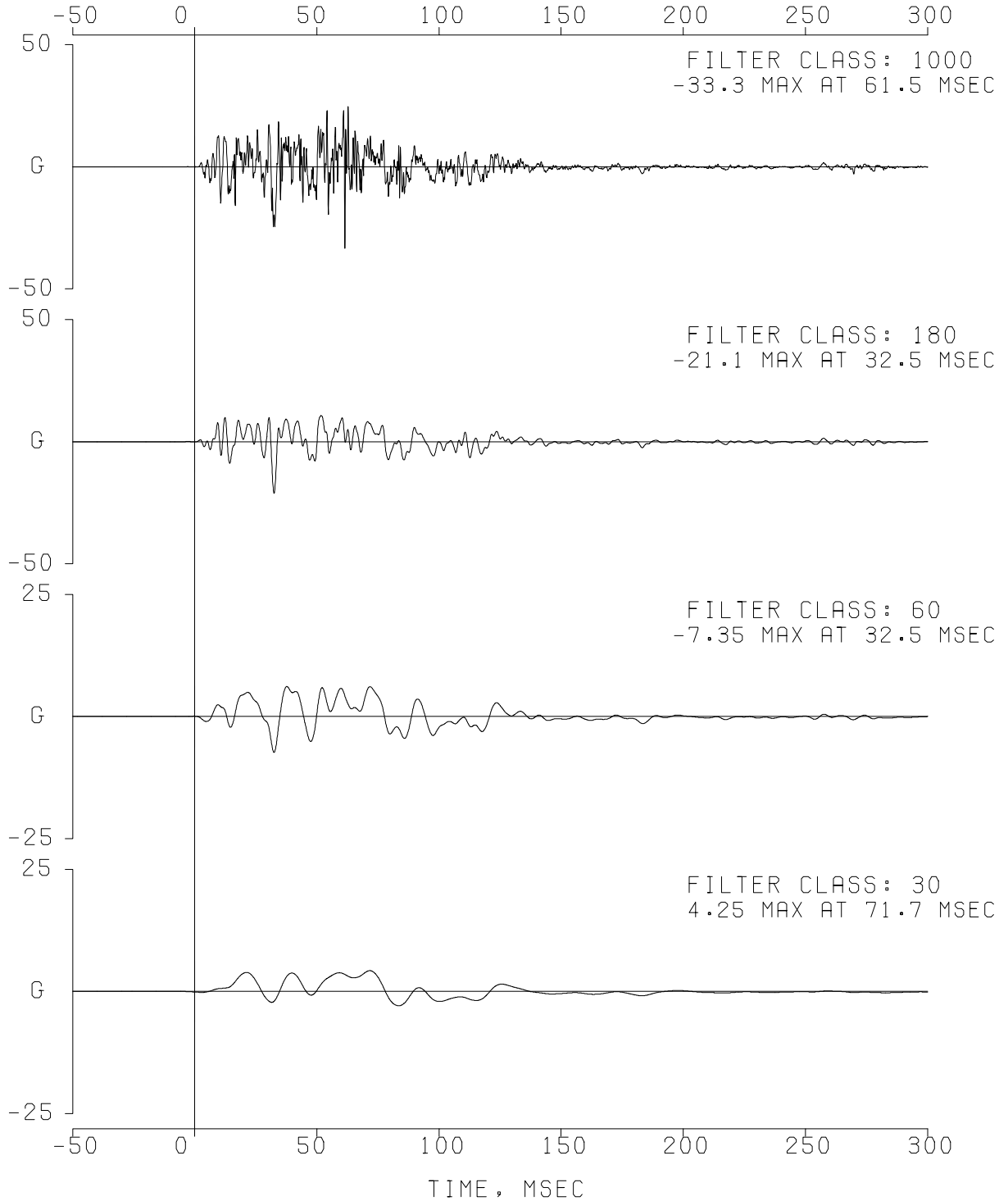
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BC
ERRATA 1

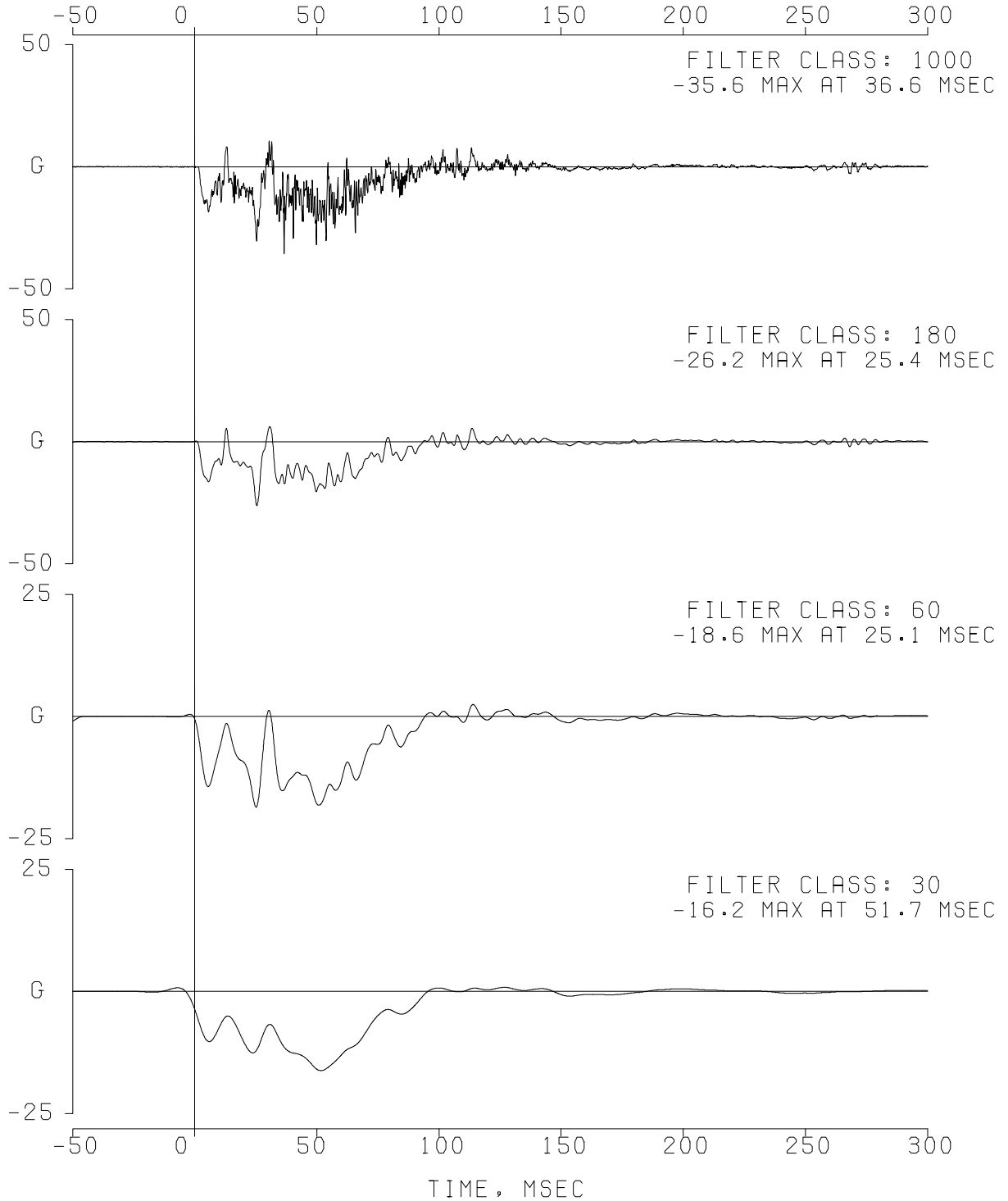


COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 009 AECM LT REAR CORNER Y P25557
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1



VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 010 AECM RT REAR CORNER X P16473
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1

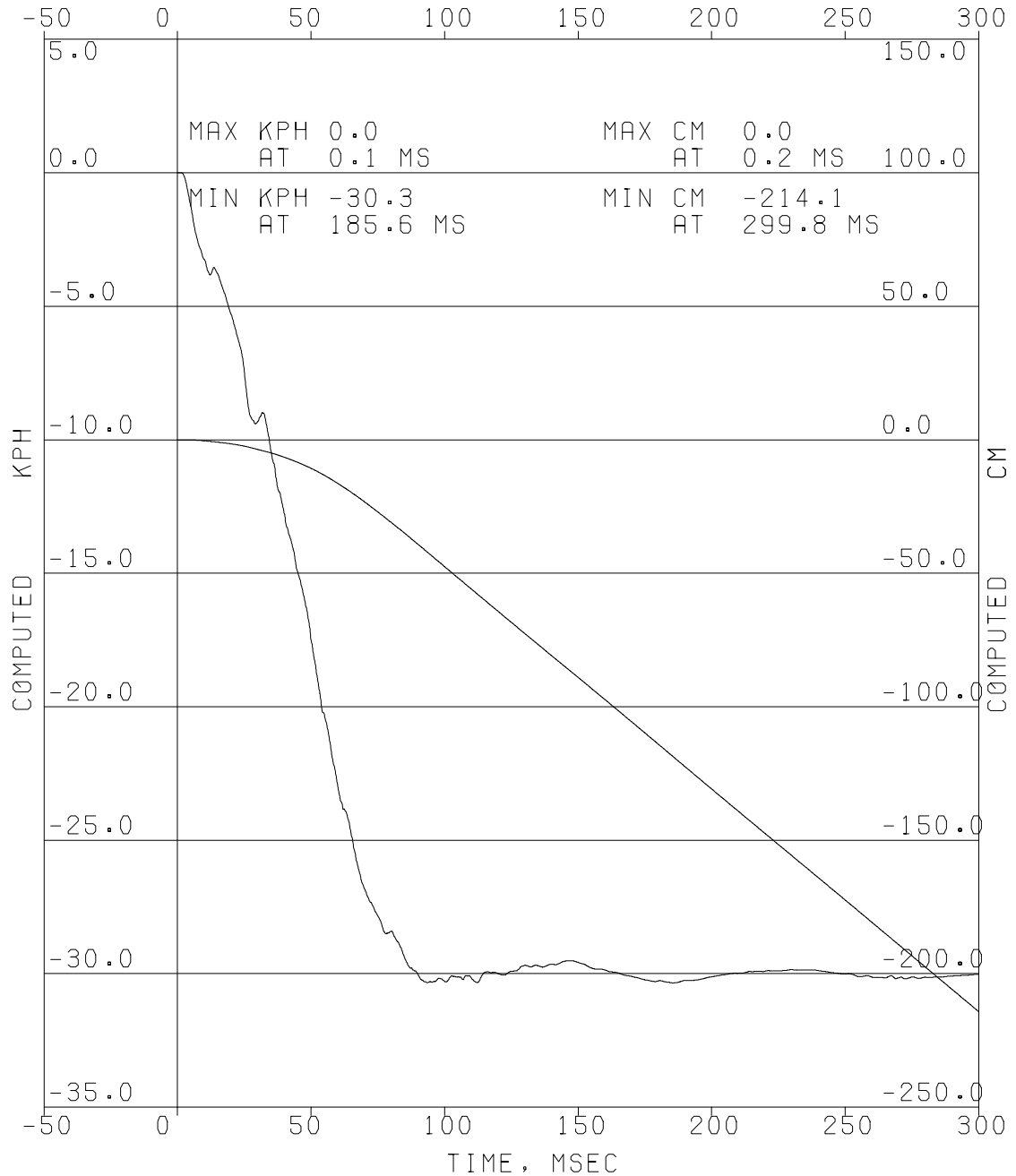


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 010 AECM RT REAR CORNER X P16473

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

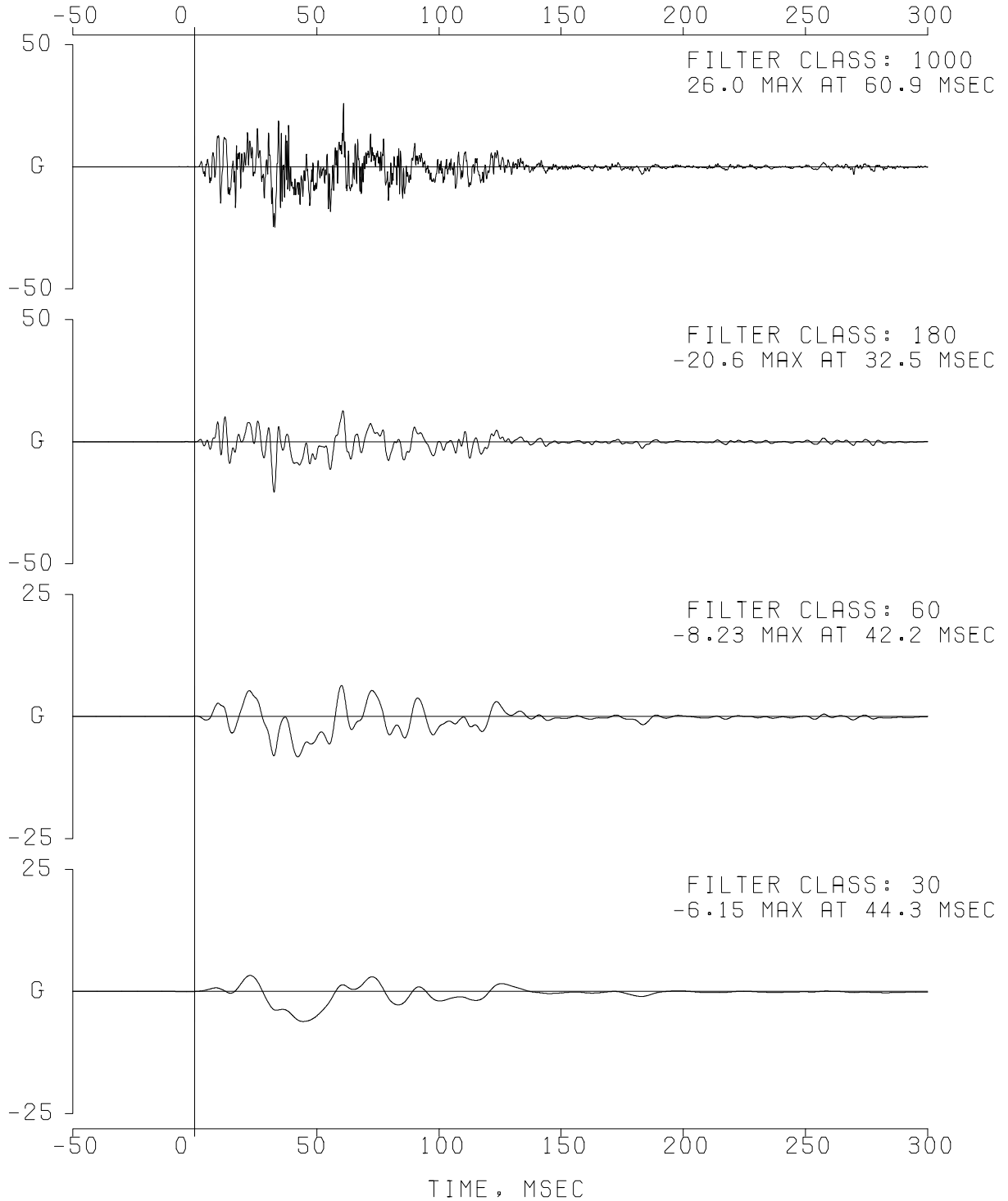
IMPACT ANALYSIS DEPT. 5320
JAN 3, 2006

DATA SET 01/03/06BC
ERRATA 1

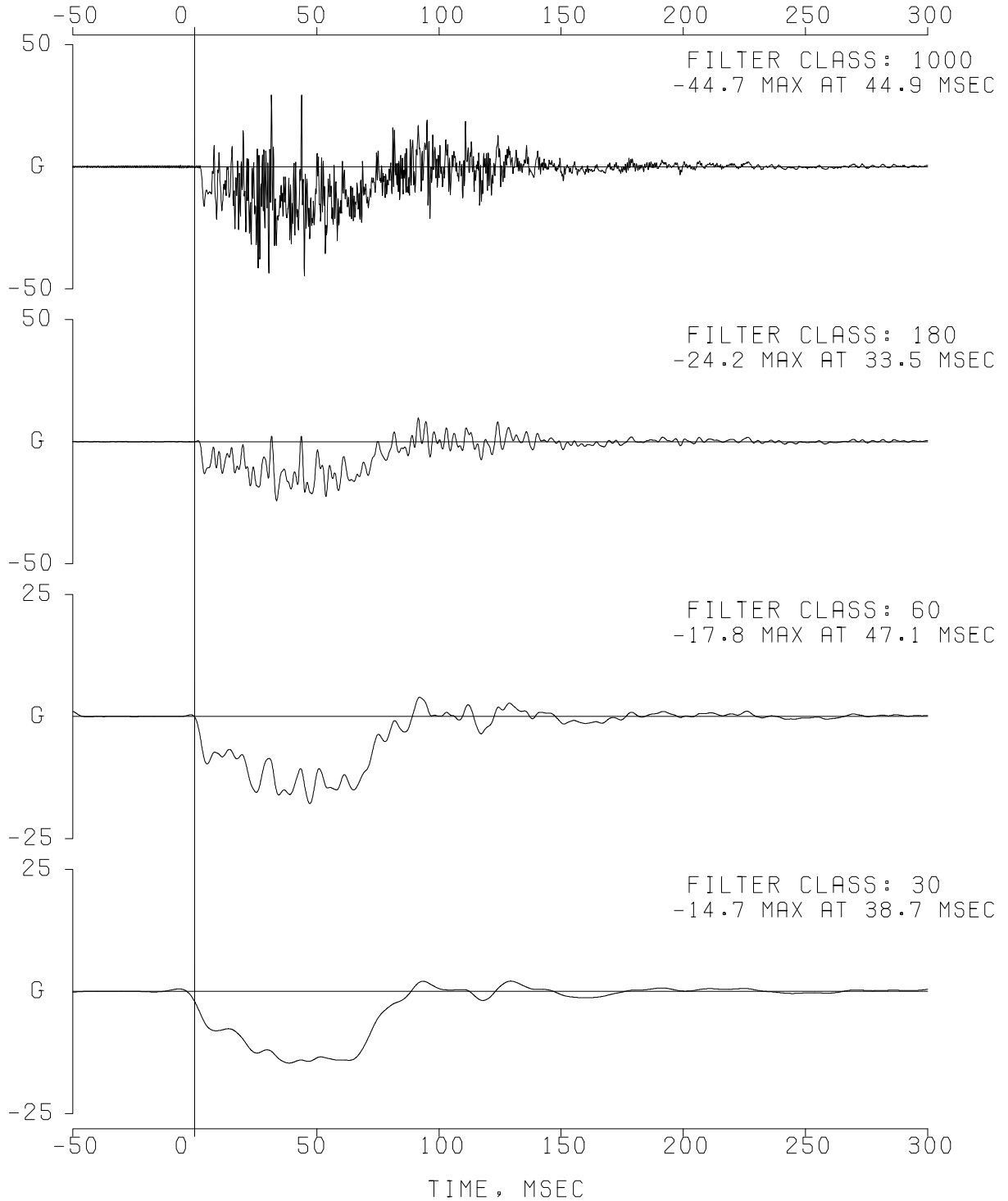


COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 011 AECM RT REAR CORNER Y P23056
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1



VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 012 SENSOR LT FRT C/Z MI X P27090
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1

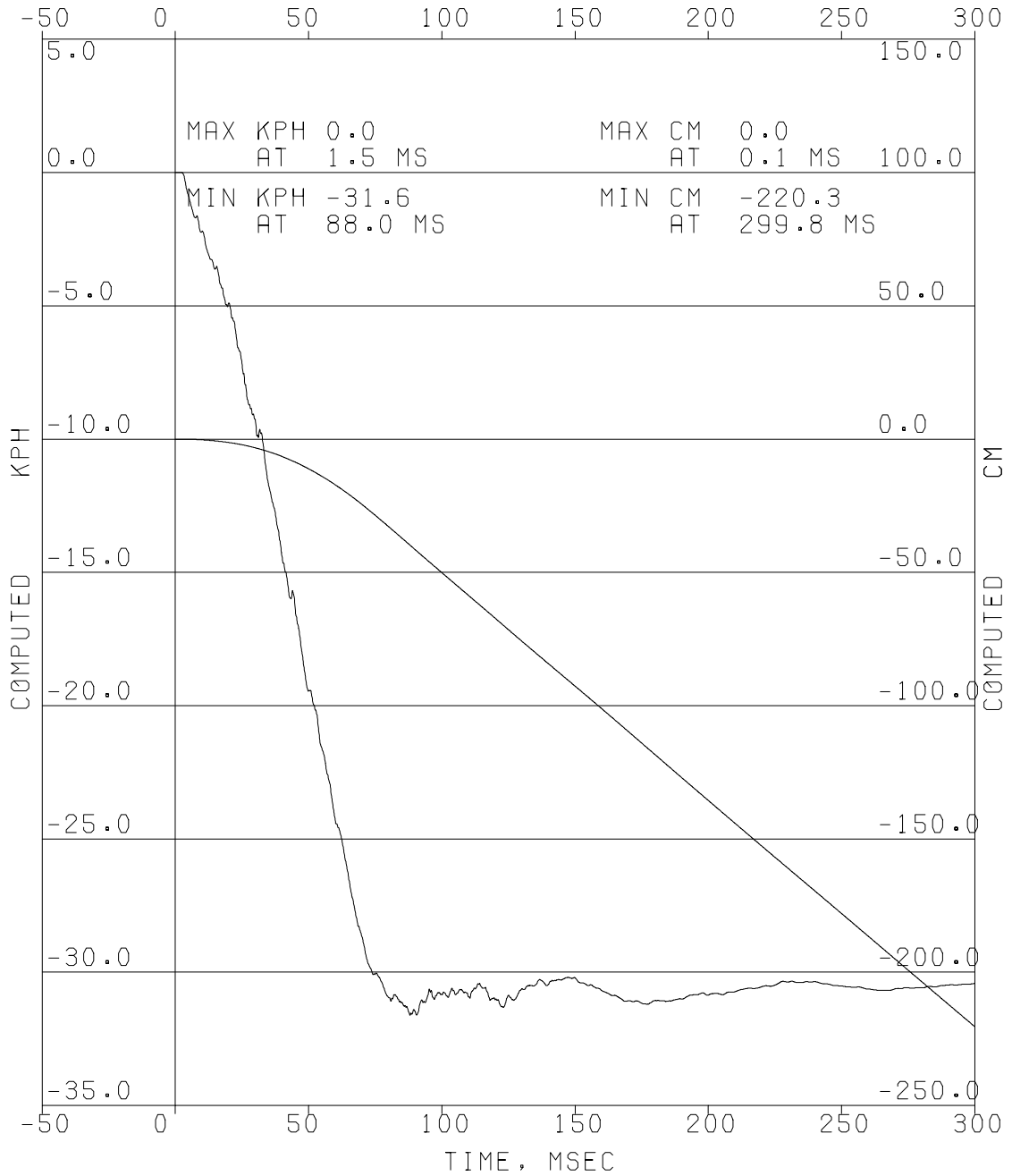


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 012 SENSOR LT FRT C/Z MI X P27090

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

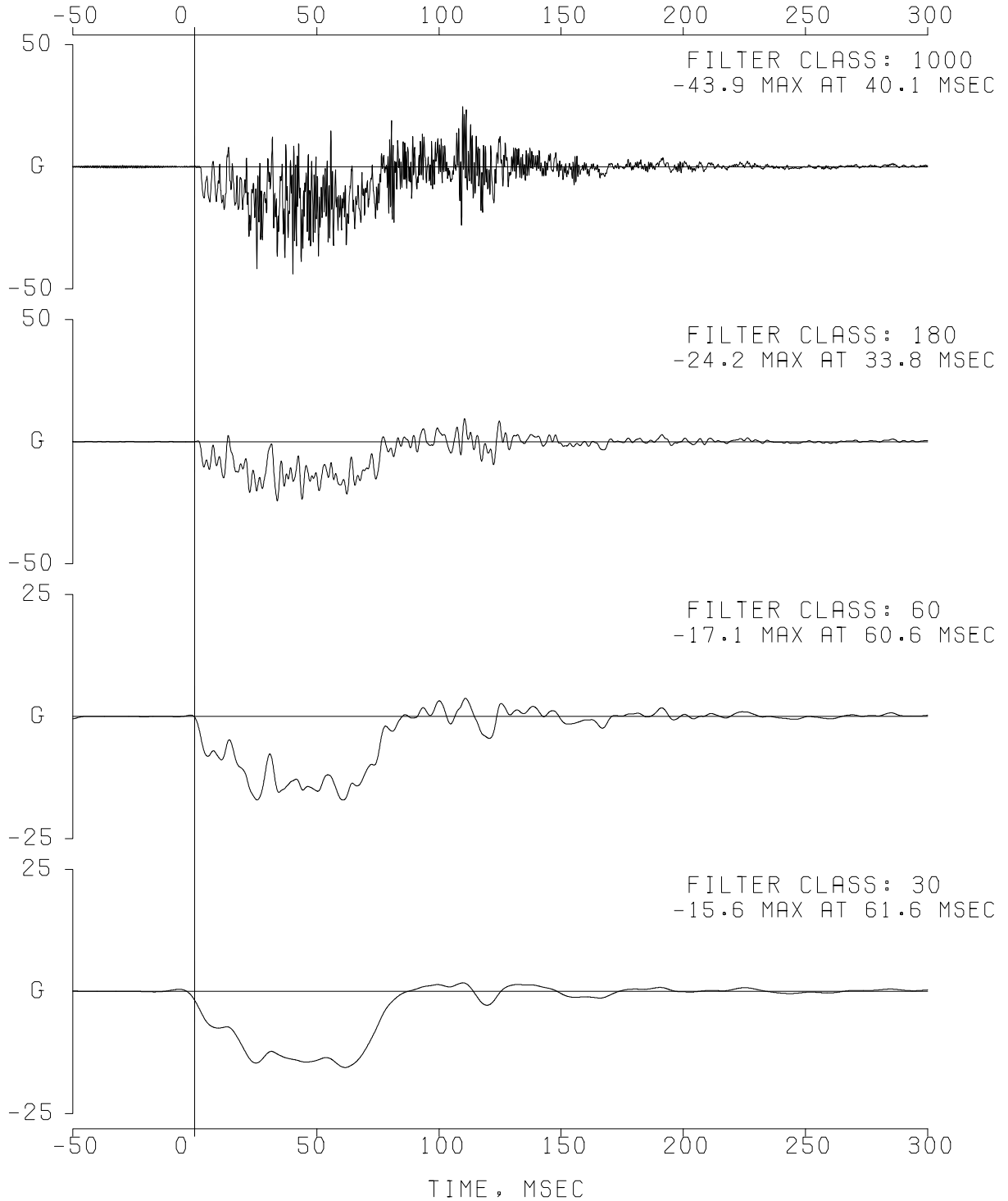
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BC
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 013 SENSOR RT FRT C/Z MI X P28668
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3,2006 ERRATA 1

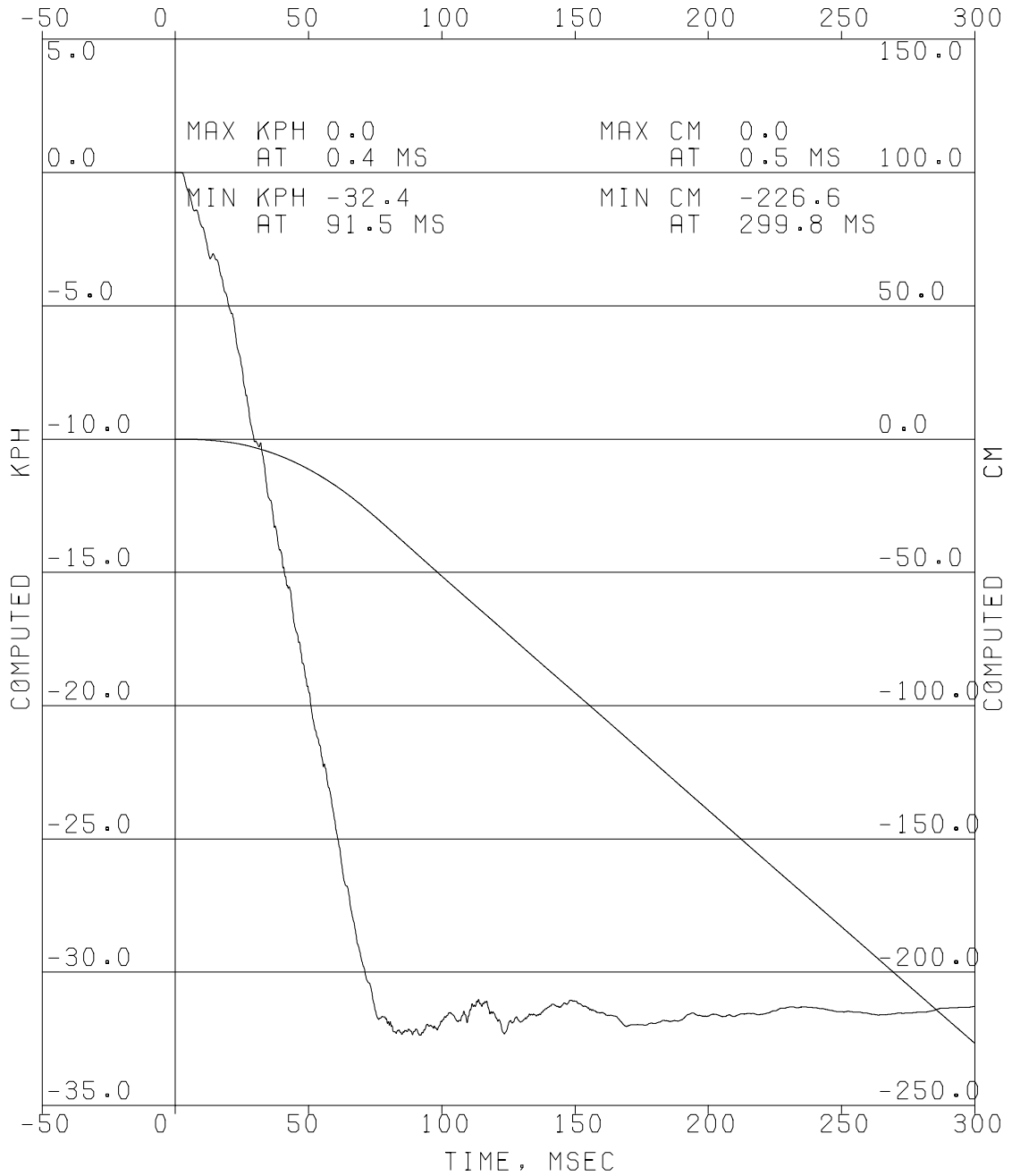


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 013 SENSOR RT FRT C/Z MI X P28668

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

IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BC
ERRATA 1

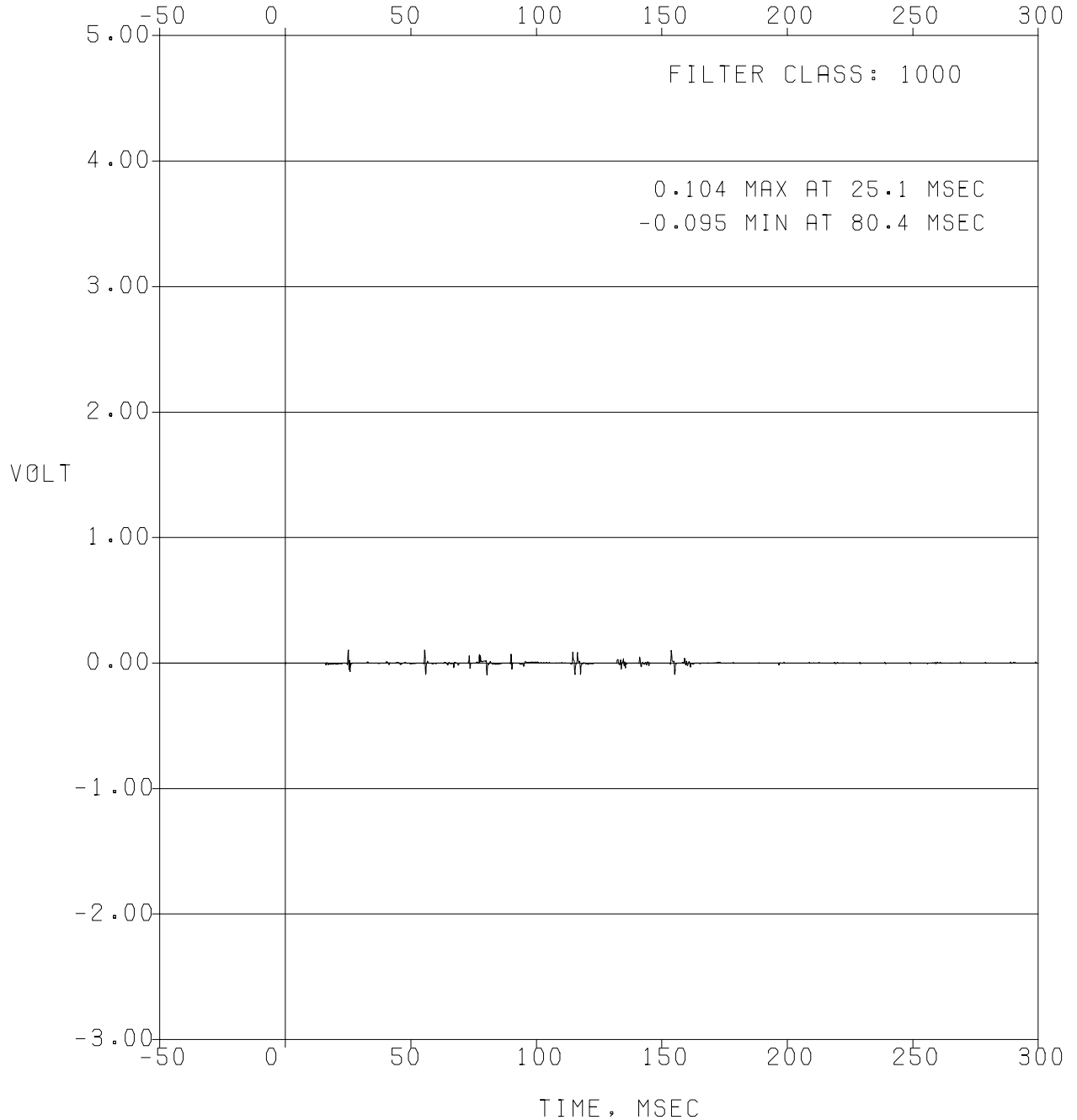


COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST

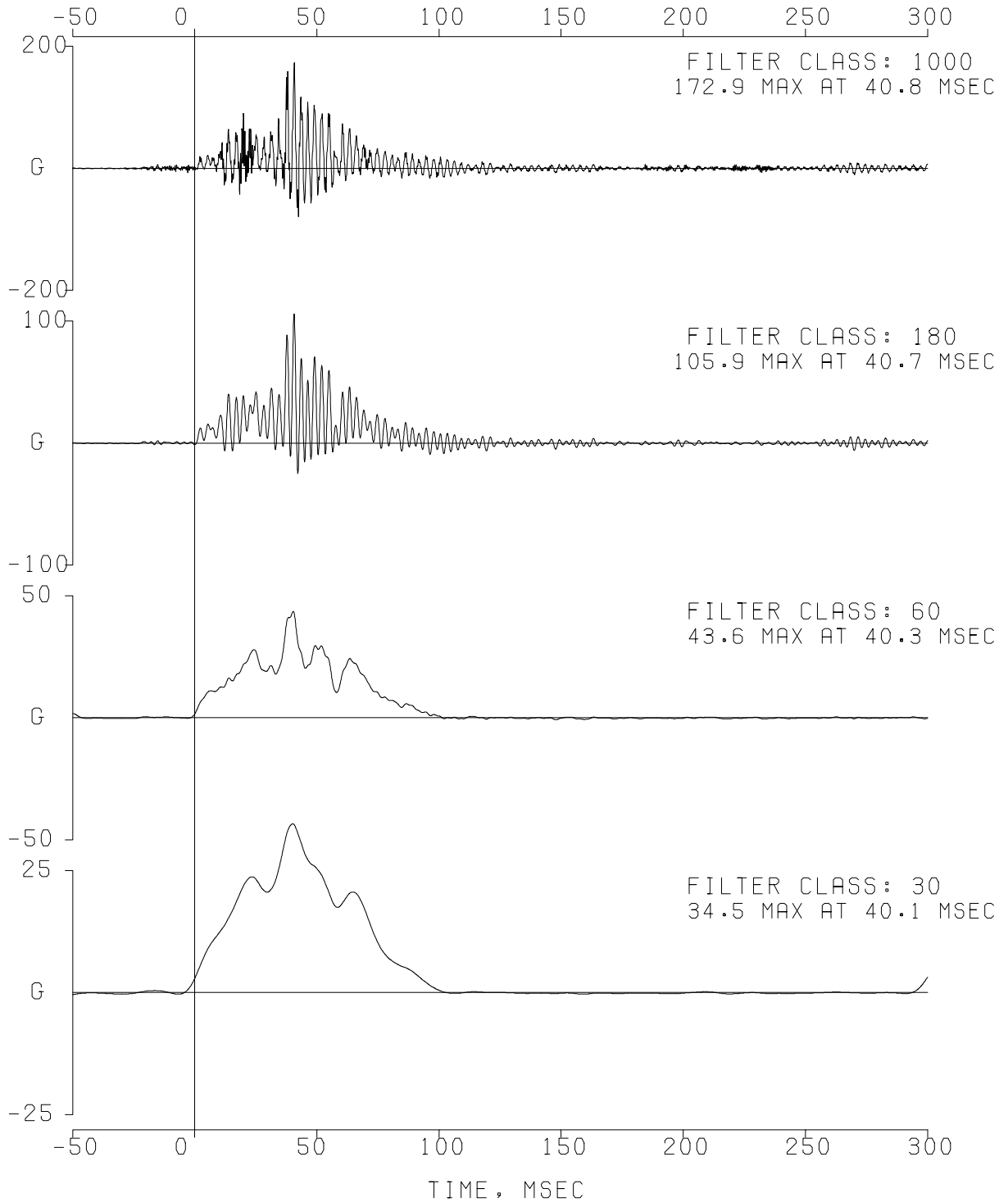
CHANNEL 014 SWING GATE DR EV

FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BC
JAN 3, 2006 ERRATA 1



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

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 033 M-ADJ FRONT XMBR X P34829
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BE
JAN 3,2006 ERRATA 1

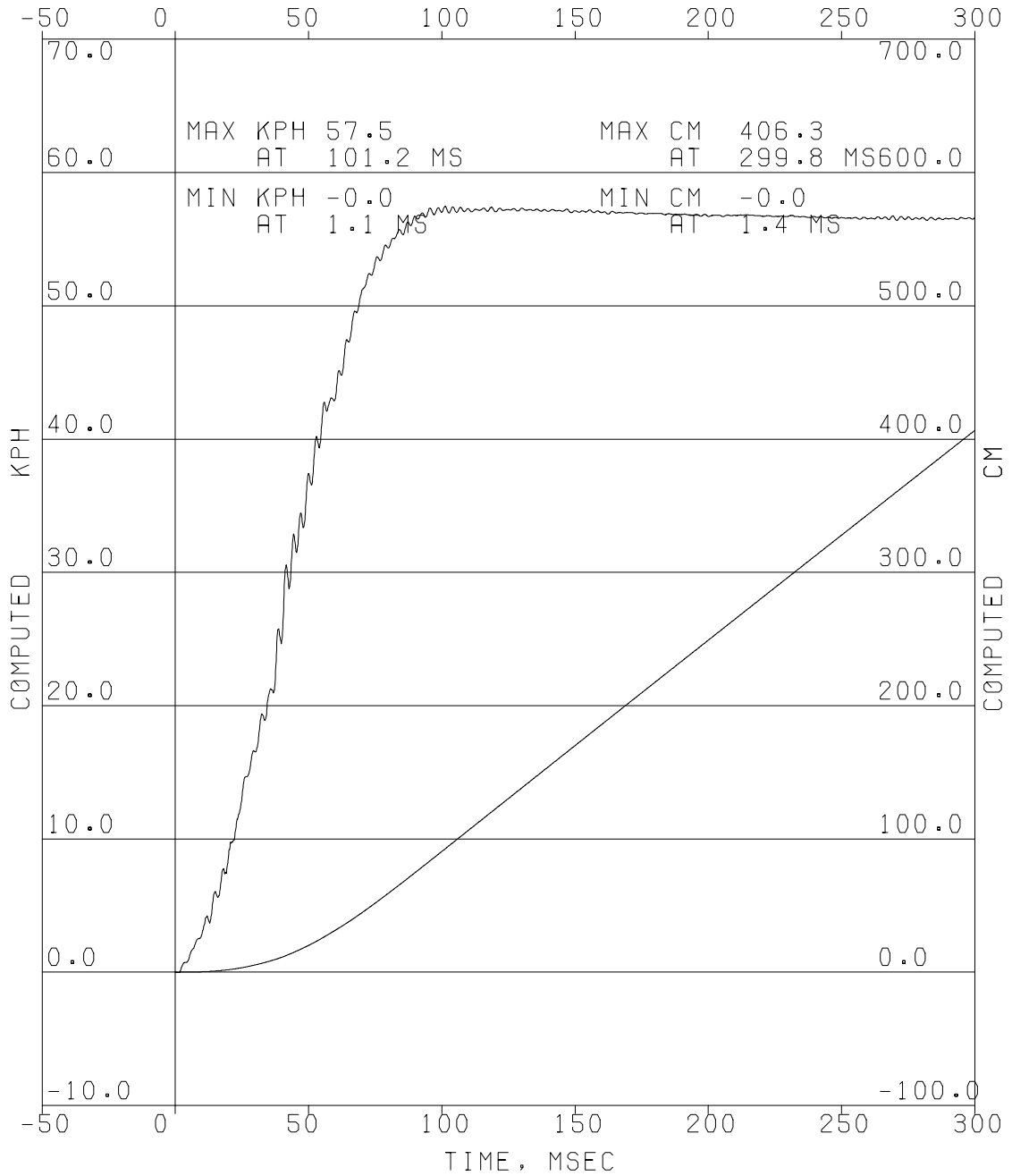


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 033 M-ADJ FRONT XMBR X P34829

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

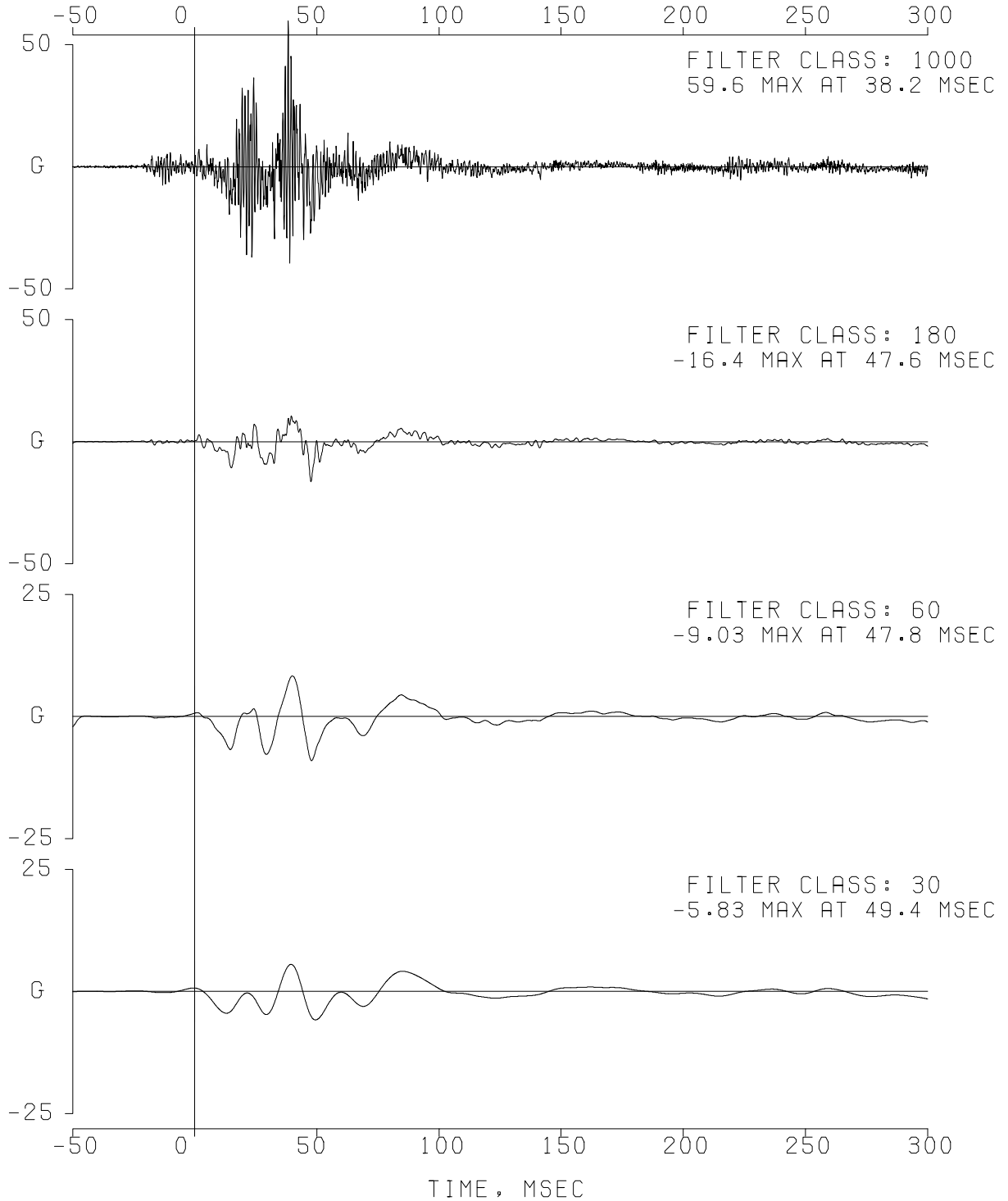
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BE
ERRATA 1

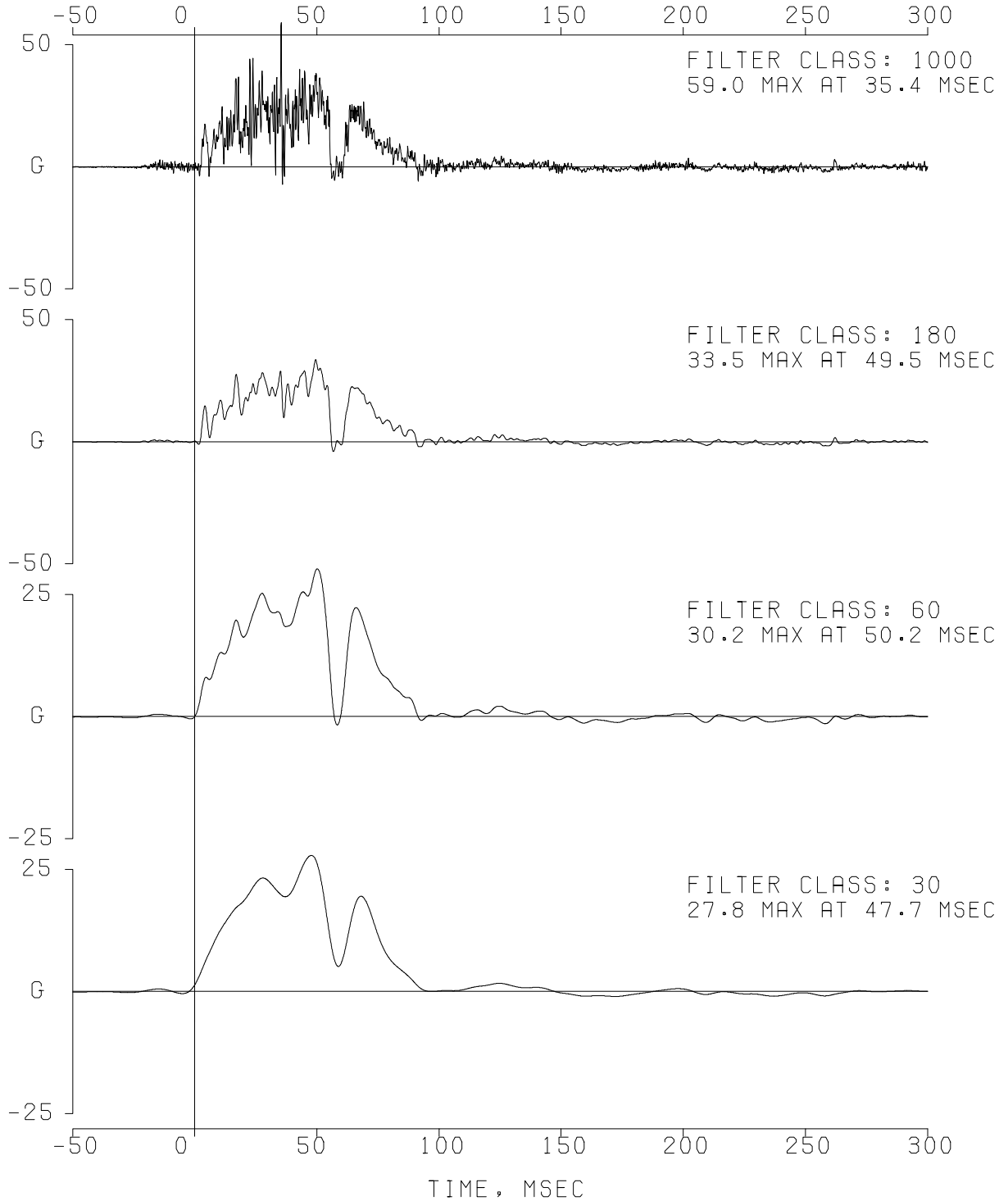


COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 034 M-ADJ FRONT XMBR Y P12453
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BE
JAN 3,2006 ERRATA 1



VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 035 M-ADJ LT RAIL MID X P23631
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BE
JAN 3,2006 ERRATA 1

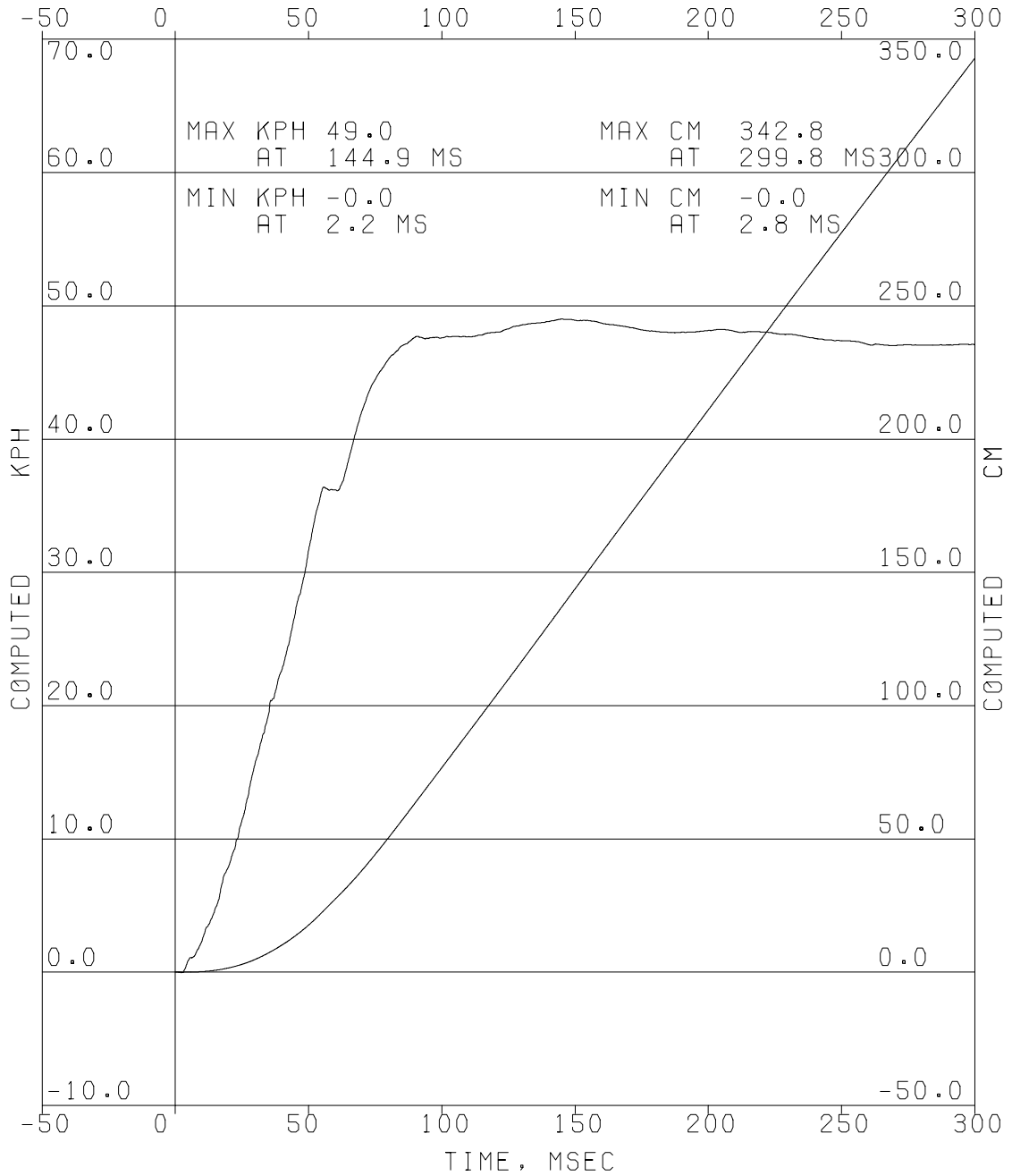


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 035 M-ADJ LT RAIL MID X P23631

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

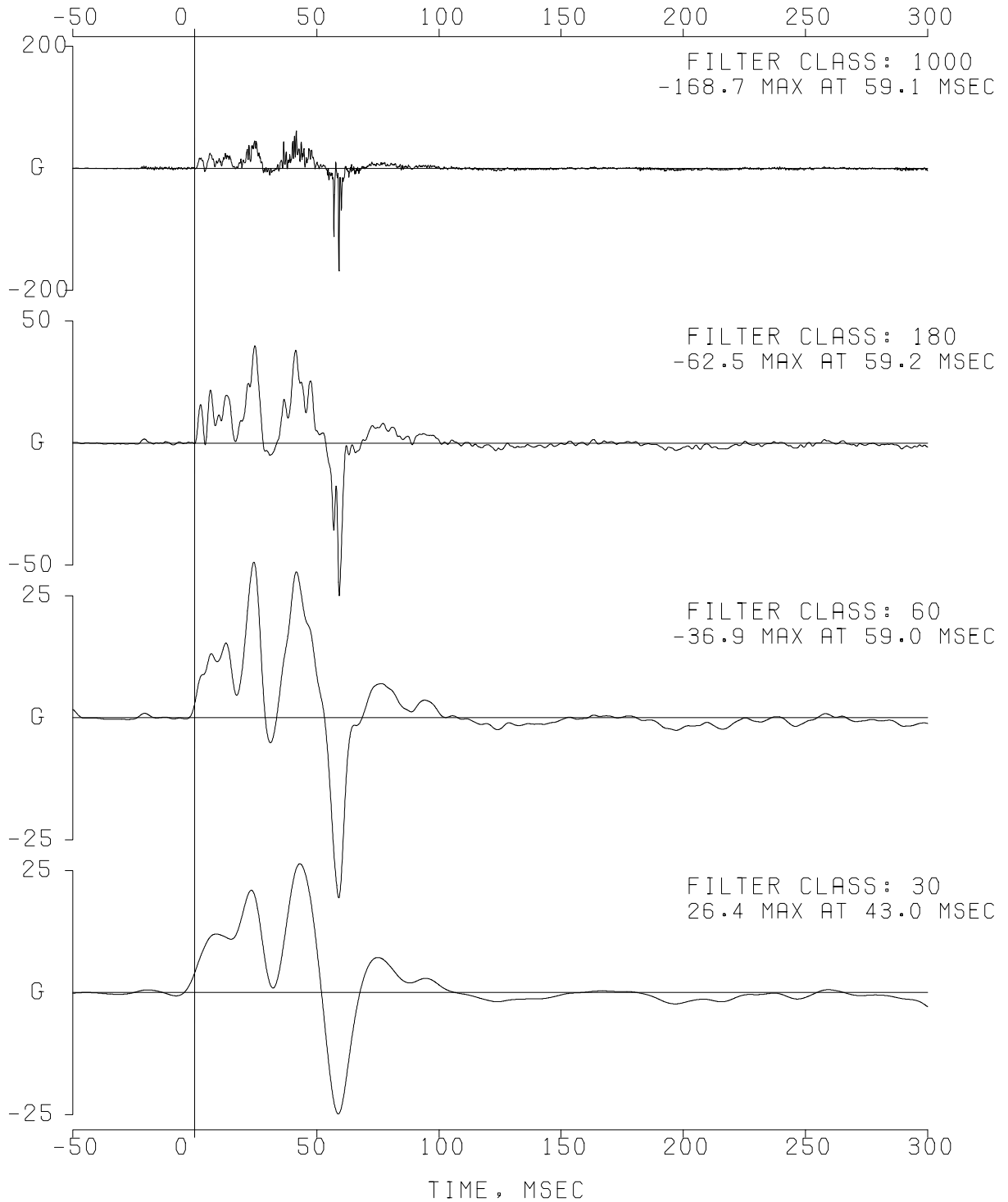
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 036 M-ADJ RT RAIL MID X P17882
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BE
JAN 3,2006 ERRATA 1

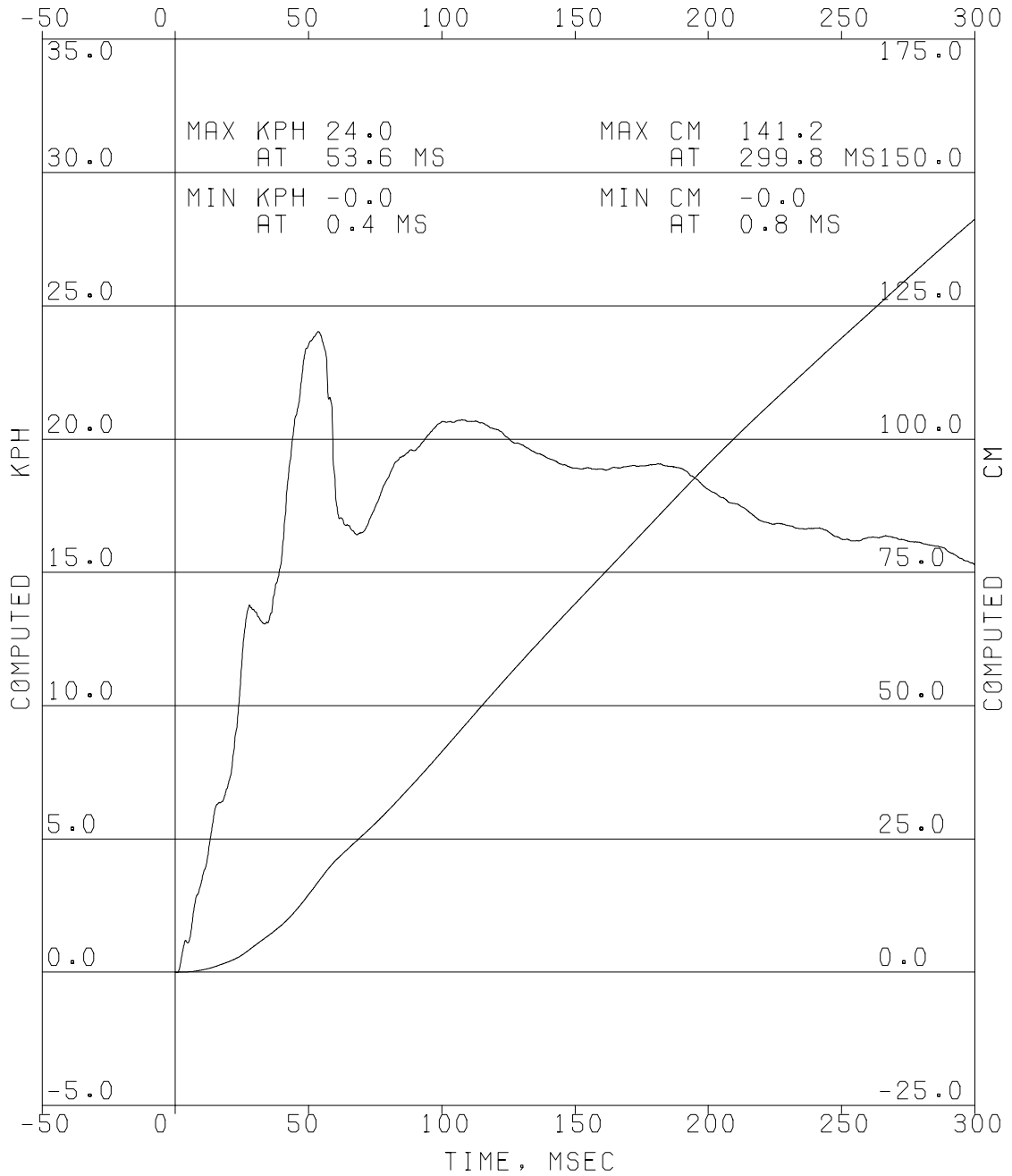


VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 036 M-ADJ RT RAIL MID X P17882

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

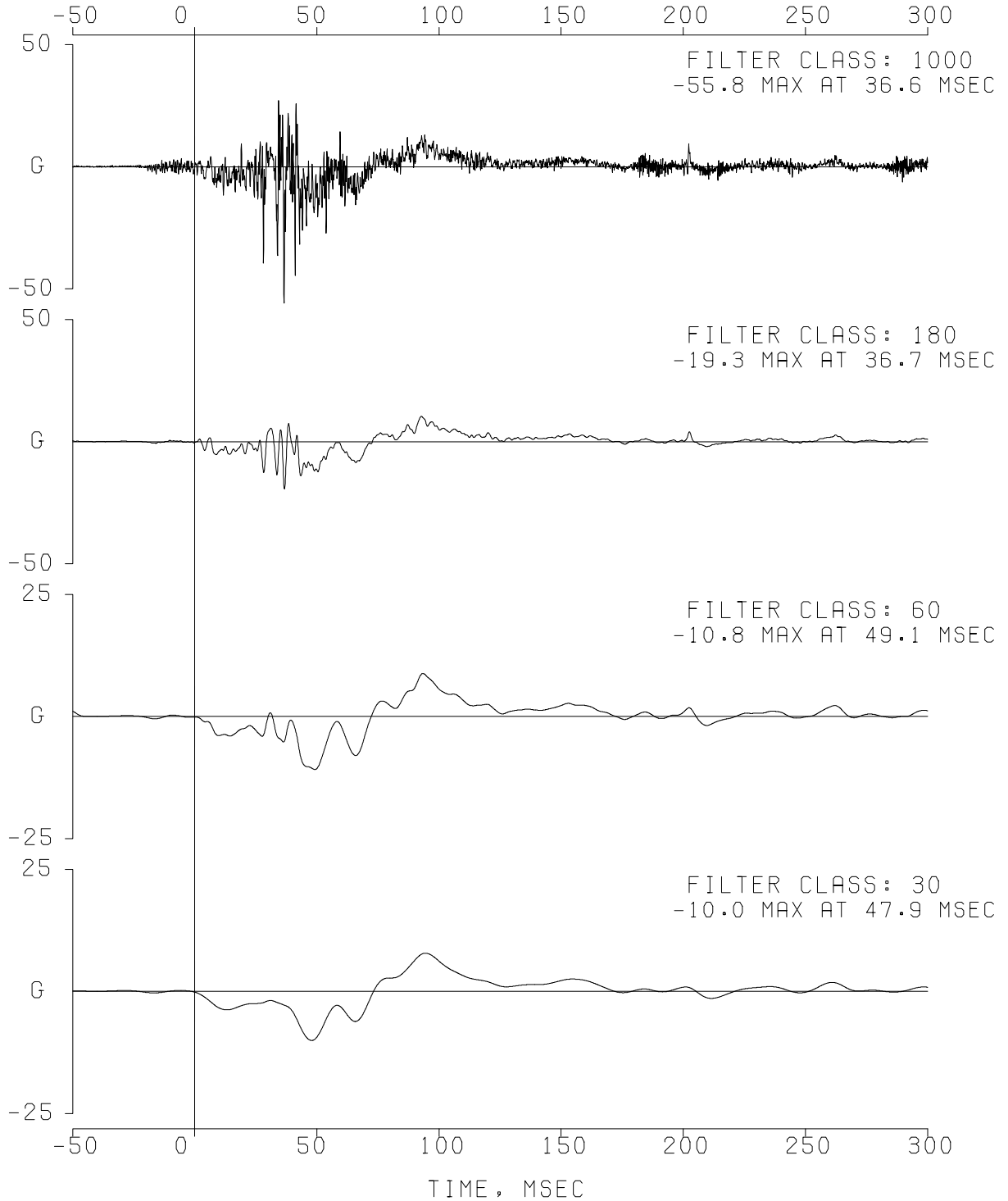
IMPACT ANALYSIS DEPT. 5320
JAN 3,2006

DATA SET 01/03/06BE
ERRATA 1



COMPUTED KPH
COMPUTED CM

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
CHANNEL 037 M-ADJ REAR XMBR Y P37813
FILTER TYPE: PHASELESS, DCX FFT 10K 4 POLE BUTTERWORTH, (1650.0)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/03/06BE
JAN 3,2006 ERRATA 1



TITLE: Page Index of EDP plots Pages 001 - 037
***** VC12923A ***** Page I-01

TITLE: Transducer Summary Reports Pages 001 - 003
SYSTEM: METRIC
PAGE: 001 TSR Channels 001 - 008
PAGE: 002 TSR Channels 009 - 016
PAGE: 003 TSR Channels 033 - 037

***** VC12923B *****

TITLE: Vehicle Channels Pages 004 - 037
SYSTEM: METRIC
PAGE: 004 Average of Sill Chls 1, 4, 2, & 5
PAGE: 005 Average of Frt Sill Chls 1 & 4
PAGE: 006 LEFT FRONT SILL X, Chl 1
PAGE: 007 LEFT FRONT SILL X, Chl 1, VD
PAGE: 008 LEFT REAR SILL X, Chl 2
PAGE: 009 LEFT REAR SILL X, Chl 2, VD
PAGE: 010 LEFT REAR SILL Z, Chl 3
PAGE: 011 RIGHT FRONT SILL X, Chl 4
PAGE: 012 RIGHT FRONT SILL X, Chl 4, VD
PAGE: 013 RIGHT REAR SILL X, Chl 5
PAGE: 014 RIGHT REAR SILL X, Chl 5, VD
PAGE: 015 SWING GATE DOOR LOCK X, Chl 6
PAGE: 016 SWING GATE DOOR LOCK X, Chl 6, VD
PAGE: 017 SWING GATE ABV HANDLE X, Chl 7
PAGE: 018 SWING GATE ABV HANDLE X, Chl 7, VD
PAGE: 019 AECM LT REAR CORNER X, Chl 8
PAGE: 020 AECM LT REAR CORNER X, Chl 8, VD
PAGE: 021 AECM LT REAR CORNER Y, Chl 9
PAGE: 022 AECM RT REAR CORNER X, Chl 10
PAGE: 023 AECM RT REAR CORNER X, Chl 10, VD
PAGE: 024 AECM RT REAR CORNER Y, Chl 11
PAGE: 025 SENSOR LT FRT C/Z MI X, Chl 12
PAGE: 026 SENSOR LT FRT C/Z MI X, Chl 12, VD
PAGE: 027 SENSOR RT FRT C/Z MI X, Chl 13
PAGE: 028 SENSOR RT FRT C/Z MI X, Chl 13, VD
PAGE: 029 SWING GATE DR EV, Chl 14, Event *N*
PAGE: 030 M-ADJ FRONT XMBR X, Chl 33
PAGE: 031 M-ADJ FRONT XMBR X, Chl 33, VD
PAGE: 032 M-ADJ FRONT XMBR Y, Chl 34
PAGE: 033 M-ADJ LT RAIL MID X, Chl 35
PAGE: 034 M-ADJ LT RAIL MID X, Chl 35, VD
PAGE: 035 M-ADJ RT RAIL MID X, Chl 36
PAGE: 036 M-ADJ RT RAIL MID X, Chl 36, VD
PAGE: 037 M-ADJ REAR XMBR Y, Chl 37

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
TEST DATE 01/03/06
TEST SITE CPG

TEST PURPOSE PRIMARY, 2007 USA 301-OFFSET DEVELOPMENT

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

VEHICLE BODY CLASS; XK
CAR LINE; NONE
BODY; 74
ENGINE; EZB
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8GH58246C100166
VIN AS BUILT; 1J8HG58246C100166

TEST SPEED 49.900 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 5632.00 TOTAL, 3074.00 FRONT, 2558.00 REAR,

OCCUPANTS 1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- UNIBELT
1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
5.7L 4X4 LIM
MODIFIED BUILD:
REPLACE ORC WITH 50G ORC WITH INTERNAL-MONITORING
CAPABILITY, LEVEL 8.7R, FLASHED WITH LATEST CALIBR
ATION (9E0E).
MODIFIED EMD BUILD:
REPLACE EXISTING FUEL TANK WITH 07 4.7L TANK WITH
21.1 GAL VOLUME W/VDO MODULE AND ASSOCIATED VDO SP
ECIFIC TANK-SIDE FUEL LINES.REPLACE FUEL FILLER TU
BE WITH NEW ONE THAT HAS WELDED CAP AND BIGGER CUP
.PURGE FUEL SYSTEM OF GASOLINE, PRESSURE CHECK, AN
D FILL WITH THREE GALLONS OF STODDARD SOLVENT.

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
TEST DATE 01/03/06
TEST SITE CPG

TARGET WEIGHT(KG) 2556.92 TOTAL, 0.00 FRONT, 0.00 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 75.7 LITRES STODDARD SOLVENT
175 LBS ADDED = 75 LBS ON DRIVER'S FLOOR + 100 LBS
ON FRONT PASSENGER SIDE FLOOR
KG ADDITIONAL BALLAST WEIGHTS
0.00 KG BALLAST WEIGHT SECURED IN CARGO AREA

POST TEST REMARKS POST-TEST MEASUREMENTS REQ :
LR DOOR DOES NOT OPEN @ 638.5 N
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 01/03/06 TIME 10:42:21.

VC12923



EA12-005 Peer - Chrysler - 12844



EA12-005 Peer - Chrysler - 12845

VC12923

VC12923



EA12-005 Peer - Chrysler - 12846

VC12923



EA12-005 Peer - Chrysler - 12847



VC12923

EA12-005 Peer - Chrysler - 12848



EA12-005 Peer - Chrysler - 12849

VC12923

VC12923



EA12-005 Peer - Chrysler - 12850

VC12923



EA12-005 Peer - Chrysler 12851

XK12923

EA12-005 Peer - Chrysler - 12852

VC12923



EA12-005 Peer - Chrysler - 12853

VC12923

VC12923

XK129

EA12-005 Peer - Chrysler - 12854



EA12-005 Peer - Chrysler - 12855

VC12923

VC12923



EA12-005 Peer - Chrysler - 12856

VC12923

3



EA12-005 Peer - Chrysler - 1285

VC12923

EA12-005 Peer - Chrysler - 12356





EA12-005 Peer - Chrysler - 42859

VC12923



EA12-005 Peer - Chrysler - 12860

VC12923



EA12-005 Peer - Chrysler - 12861

VC12923



EA12-005 Peer - Chrysler - 12862

VC12923



EA12-005 Peer - Chrysler - 12863

VC12923



VC12923

EA12-005 Peer - Chrysler - 12864

VC12923



EA12-005 Peer - Chrysler - 12865



EA12-005 Peer - Chrysler - 12866

VC12923



EA12-005 Peer - Chrysler - 12867

VC12923

VC12923

EA12-005 Peer - Chrysler - 12868





EA12-005 Peer - Chrysler - 12869

VC12923

VC12923

EA 2005 Peer - Chrysler - 12370



VC12923



EA12-005 Peer - Chrysler - 12871

VC12923

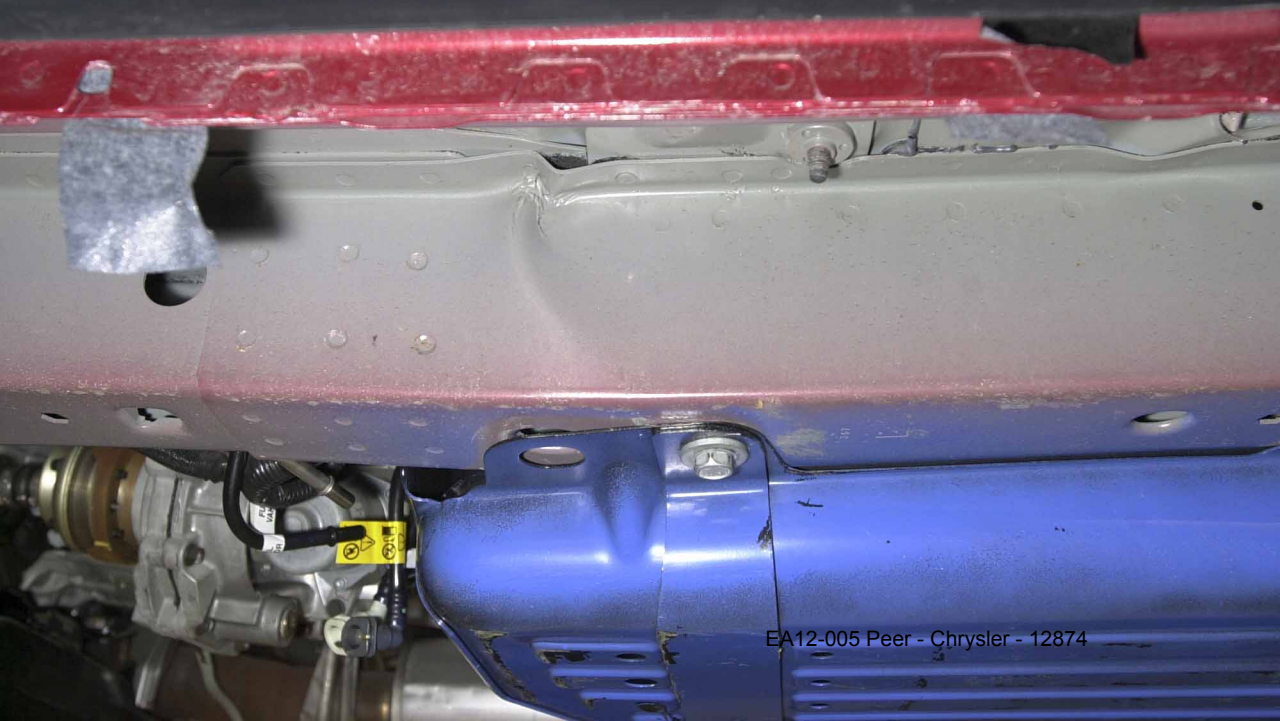


EA12-005 Peer - Chrysler - 12872

VC12923

EA12-005 Peer - Chrysler - 12873

VC12923



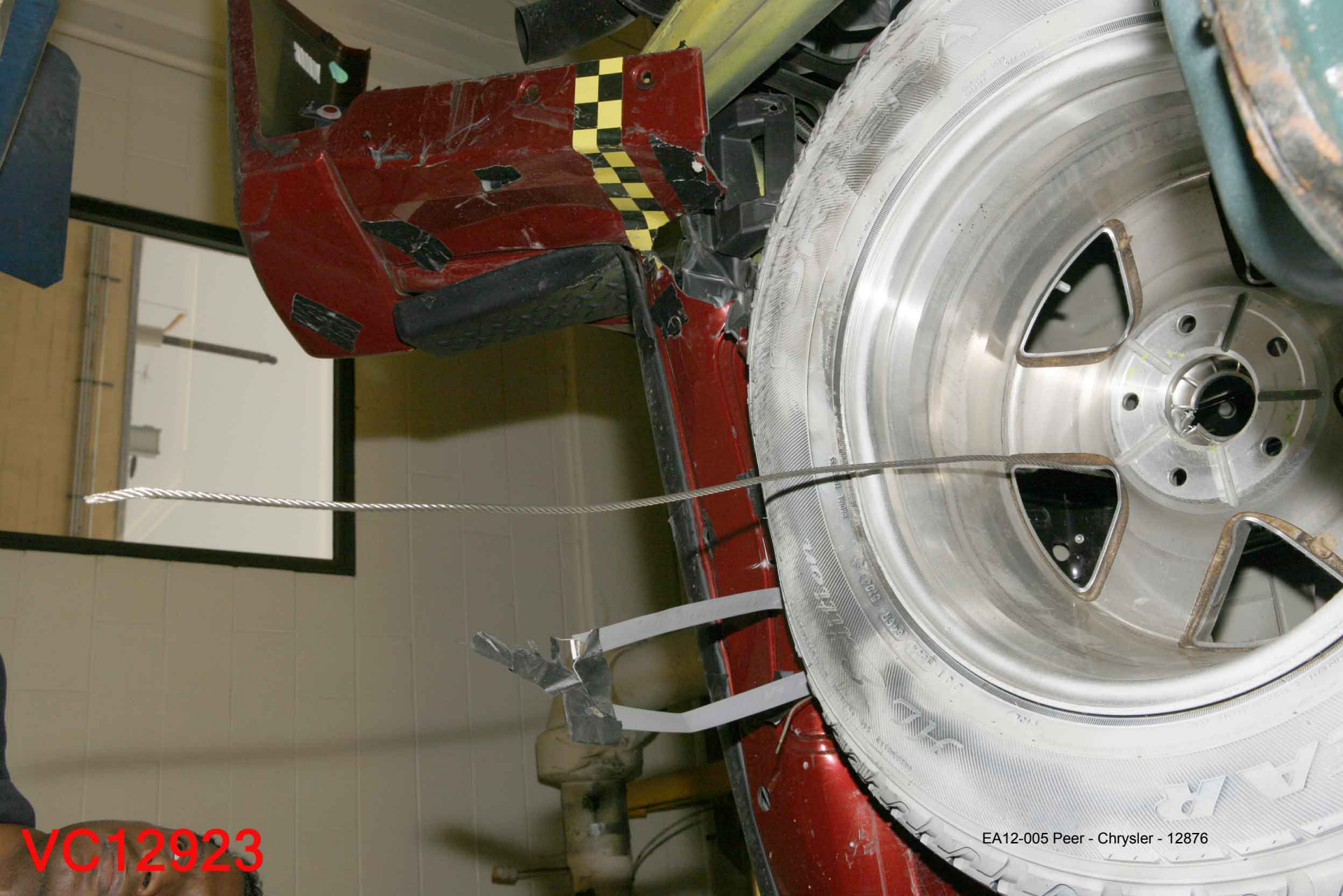
EA12-005 Peer - Chrysler - 12874



07wk

VC12923

EA12-005 Peer - Chrysler - 12875



VC12923

EA12-005 Peer - Chrysler - 12876

VC12923



VC12923



**VC12923
POST**



EA12-005 Peer - Chrysler - 12879

**VC12923
POST**



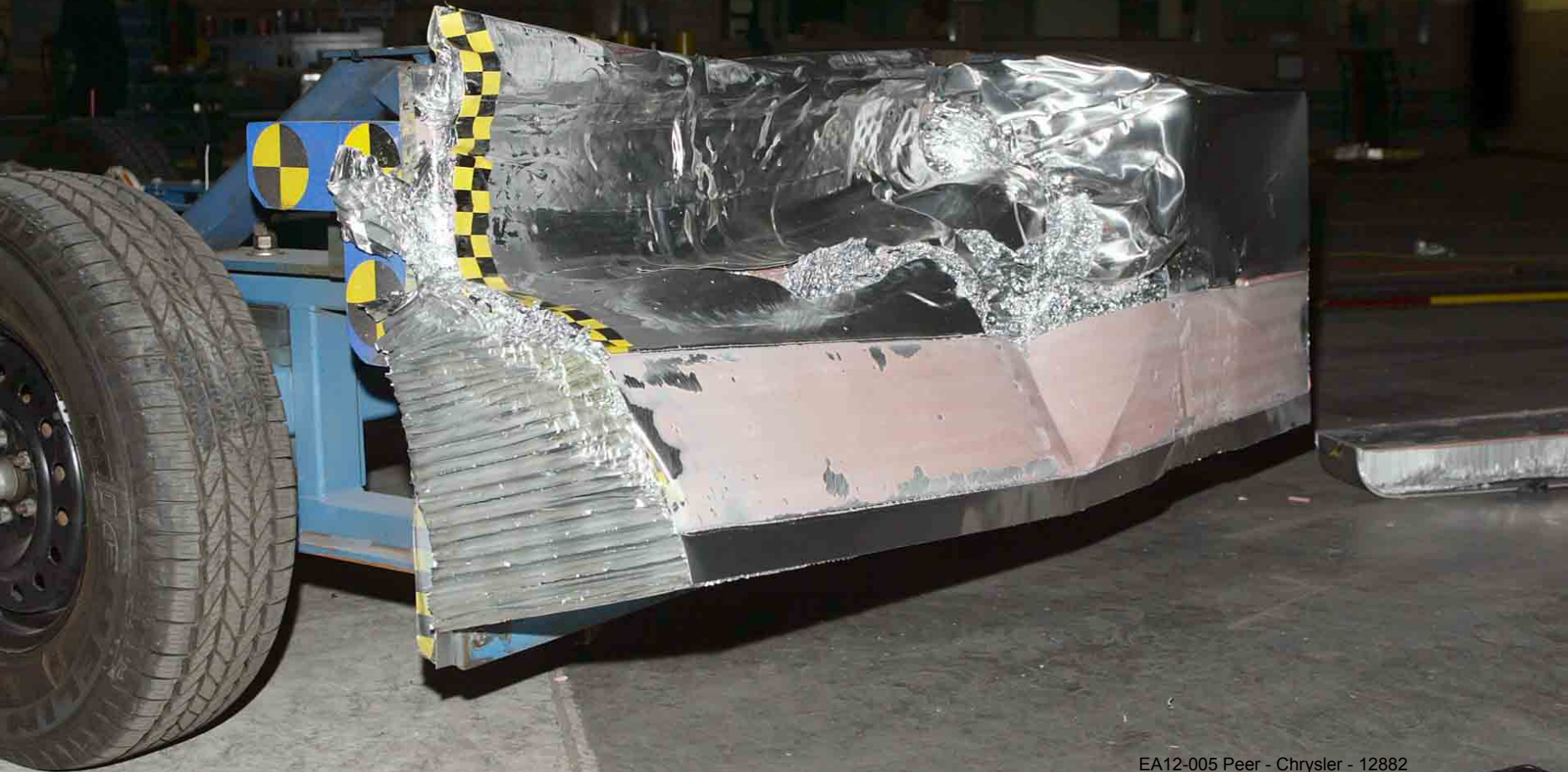
EA12-005 Peer - Chrysler - 12880

**VC12923
POST**



EA12-005 Peer - Chrysler - 12881

**VC12923
POST**





**VC12923
POST**

EA12-005 Peer - Chrysler - 12883

**VC12923
POST**



EA12-005 Peer - Chrysler - 12884

**VC12923
POST**



POST VC12923



EA 129005 Peer - Chrysler - 12886

POST VC12923



EA12-005 Peer - Chrysler - 12887

POST VC12923



POST VC12923



POST VC12923



POST VC12923



POST VC12923



POST VC12923



VC12923 PRE

VC12923 PRE



EA12-005 Peer - Chrysler - 12895



VC12923 PRE

A42-15 Fiber - Chrysler - 12896



5212458 11
PL. AUTOM. 9111
P. M. 05. 200405 DATE 10/12/05

36-2072307

Chrysler - 12897

VC12923 PRE

VC12923 PRE





VC12923 PRE

EA12-005 Peer - Chrysler - 12690



EA12-005 Peer - Chrysler - 12900

VC12923 PRE



VC12923 PRE

EA12-005 Peer - Chrysler - 12901

VC12923 PRE





EA12-005 Peer - Chrysler - 12903

VC 12923 pre



12923

12923



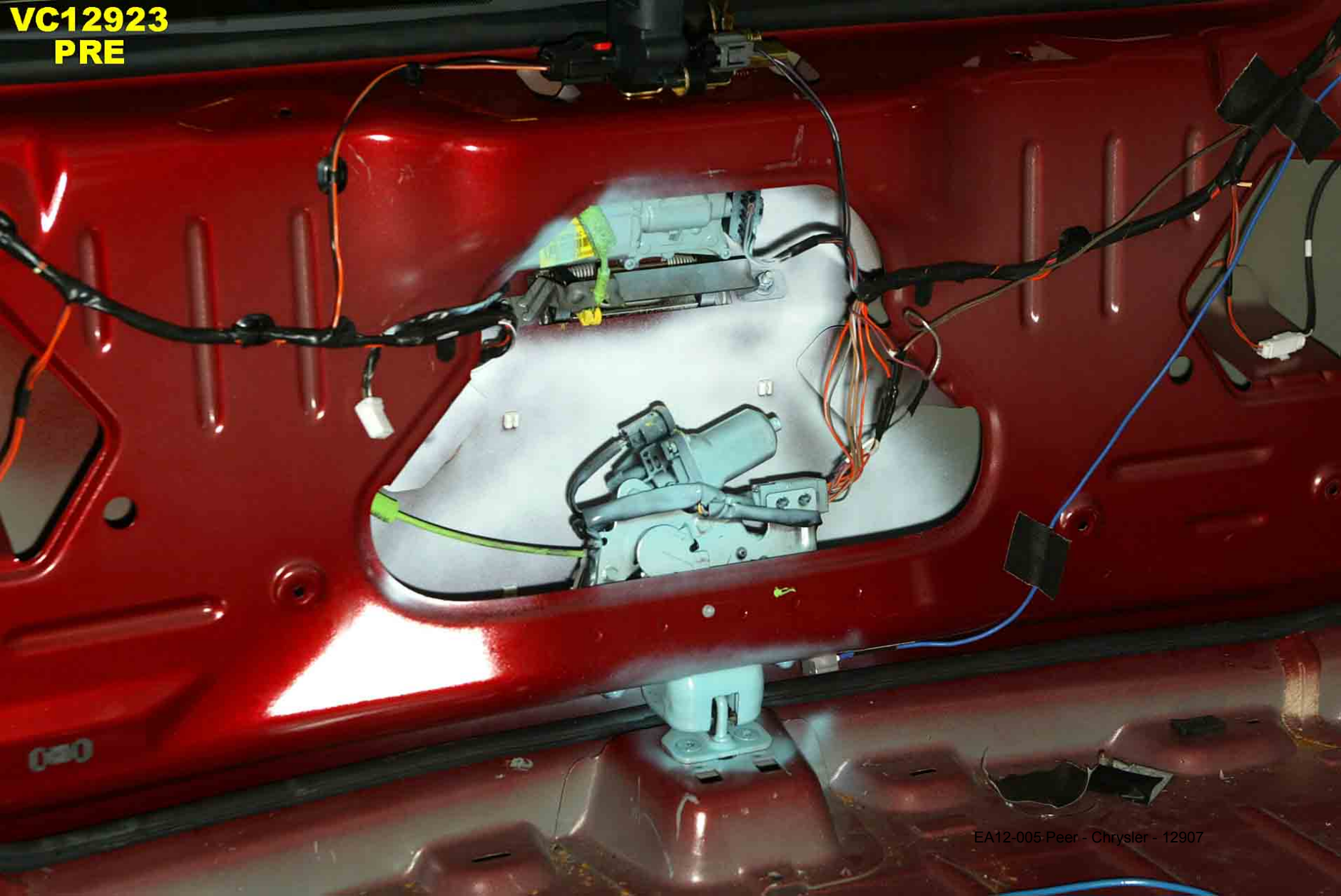
Oil & Pressure Checked
Been Added

Lab

LOOSE CAP MAY TURN
ON SERVICE OR CHECK
ENGINE LIGHT

TIGHTEN TO CLICK

VC12923
PRE



DATE 01/03/06
TIME 13:07:21.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC12923 ITEM XKJ-6923
VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST
TEST DATE 01/03/06
TEST SITE CPG

TEST PURPOSE PRIMARY, 2007 USA 301-OFFSET DEVELOPMENT

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

VEHICLE BODY CLASS; XK
CAR LINE; NONE
BODY; 74
ENGINE; EZB
ENGINE NOTE;
TRANSMISSION; NONE
TRANS. NOTE;
VIN AS TESTED; 1J8GH58246C100166
VIN AS BUILT; 1J8HG58246C100166

TEST SPEED 49.900 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 5632.00 TOTAL, 3074.00 FRONT, 2558.00 REAR,

OCCUPANTS 1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- UNIBELT
1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-56
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
5.7L 4X4 LIM
MODIFIED BUILD:
REPLACE ORC WITH 50G ORC WITH INTERNAL-MONITORING
CAPABILITY, LEVEL 8.7R, FLASHED WITH LATEST CALIBR
ATION (9E0E).
MODIFIED EMD BUILD:
REPLACE EXISTING FUEL TANK WITH 07 4.7L TANK WITH
21.1 GAL VOLUME W/VDO MODULE AND ASSOCIATED VDO SP
ECIFIC TANK-SIDE FUEL LINES.REPLACE FUEL FILLER TU
BE WITH NEW ONE THAT HAS WELDED CAP AND BIGGER CUP
.PURGE FUEL SYSTEM OF GASOLINE, PRESSURE CHECK, AN
D FILL WITH THREE GALLONS OF STODDARD SOLVENT.

TARGET WEIGHT(KG) 2556.92 TOTAL, 0.00 FRONT, 0.00 REAR
INCLUDING BALLAST AND OCCUPANTS

DATE 01/03/06
TIME 13:07:21.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC12923 ITEM XKJ-6923

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923

07 XK, USA 301-OFFSET DEVELOPMENT TEST

TEST DATE 01/03/06

TEST SITE CPG

FUEL AND BALLAST

75.7 LITRES STODDARD SOLVENT

175 LBS ADDED = 75 LBS ON DRIVER'S FLOOR + 100 LBS
ON FRONT PASSENGER SIDE FLOOR

KG ADDITIONAL BALLAST WEIGHTS

0.00 KG BALLAST WEIGHT SECURED IN CARGO AREA

POST TEST REMARKS

POST-TEST MEASUREMENTS REQ :

LR DOOR DOES NOT OPEN @ 638.5 N

POST-TEST TEST COMMENTS :

EDP TECHNICIAN

S. MARCHENIA

No. of Pages 37
CC

M. STEBELTON
K. TRUDGEON

422-05-01
514-17-39

DATE 01/03/06
TIME 13:11:05.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST

TEST DATE 01/03/06 SPEED 80.3 TEST WT 5632.0

LIBRARY VC12923

Errata # 1 Data Set 01/03/06BC CHL001-016 49.9 REAR VC12923E

Errata # 1 Data Set 01/03/06BD CHL017-032 49.9 REAR VC12923E

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	P15196	-40.0	-35.7	-28.6	-19.7	-29.7	KPH
2	LEFT REAR SILL	X	LC21185	-55.4	-41.0	-29.7	-20.3	-31.8	KPH
3	LEFT REAR SILL	Z	LC21136	-82.0	-76.8	25.7	15.5	-0.4	KPH
4	RIGHT FRONT SILL	X	P27592	-43.1	-39.1	-29.3	-25.4	-32.5	KPH
5	RIGHT REAR SILL	X	ET11351	210.4	176.8	86.9	28.7	-24.9	KPH
6	SWING GATE DOOR LOCK	X	ET11296	-467.9	-445.0	-399.3	-254.1	-27.7	KPH
7	SWING GATE ABV HANDLE	X	ETBB8B6	-259.7	-210.6	-79.4	-36.2	-34.0	KPH
8	AECM LT REAR CORNER	X	P12618	-30.9	-30.2	-26.4	-19.1	-24.7	KPH
9	AECM LT REAR CORNER	Y	P25557	-33.3	-23.3	-21.1	-7.3	1.9	KPH
10	AECM RT REAR CORNER	X	P16473	-35.6	-29.6	-26.2	-18.6	-30.0	KPH
11	AECM RT REAR CORNER	Y	P23056	26.0	-23.3	-20.6	-8.2	-4.8	KPH
12	SENSOR LT FRT C/Z MI	X	P27090	-44.7	-38.2	-24.2	-17.8	-30.4	KPH
13	SENSOR RT FRT C/Z MI	X	P28668	-43.9	-35.2	-24.2	-17.1	-31.3	KPH
14	SWING GATE DR EV			0.1	VOLT				*
33	M-ADJ FRONT XMBR	X	P34829	172.9	169.0	105.9	43.6	56.6	KPH
34	M-ADJ FRONT XMBR	Y	P12453	59.6	45.9	-16.4	-9.0	-3.5	KPH
35	M-ADJ LT RAIL MID	X	P23631	59.0	52.6	33.5	30.2	47.1	KPH
36	M-ADJ RT RAIL MID	X	P17882	-168.7	-134.6	-62.5	-36.9	15.3	KPH
37	M-ADJ REAR XMBR	Y	P37813	-55.8	-43.0	-19.3	-10.8	0.9	KPH

Multi-Channel Plot data

CHLS 1 4 & 2 5 CL PH60 AVERAGE OF FRT SILL -238.3G AT .4 MS

CHLS & 1 4 CL PH60 AVERAGE OF FRT SILL -238.4G AT .6 MS

* - See Notes & Comments page

DATE 01/03/06
TIME 13:11:05.

TEST VALUES
NOTES & COMMENTS

SAFETY TEST
DEPT 5320

VC12923 80.0 KPH REAR REAR TYPE V ADJUSTABLE ITEM XKJ-6923
07 XK, USA 301-OFFSET DEVELOPMENT TEST

LIBRARY VC12923

Errata # 1 Data Set 01/03/06BC CHL001-016 49.9 REAR VC12923E
Errata # 1 Data Set 01/03/06BD CHL017-032 49.9 REAR VC12923E

CHL 14 *N* ***** NO EVENT *****

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