

DOT 92

V0692AFD0.001

TEXAS TRANSP. INSTITUTE 4798-3

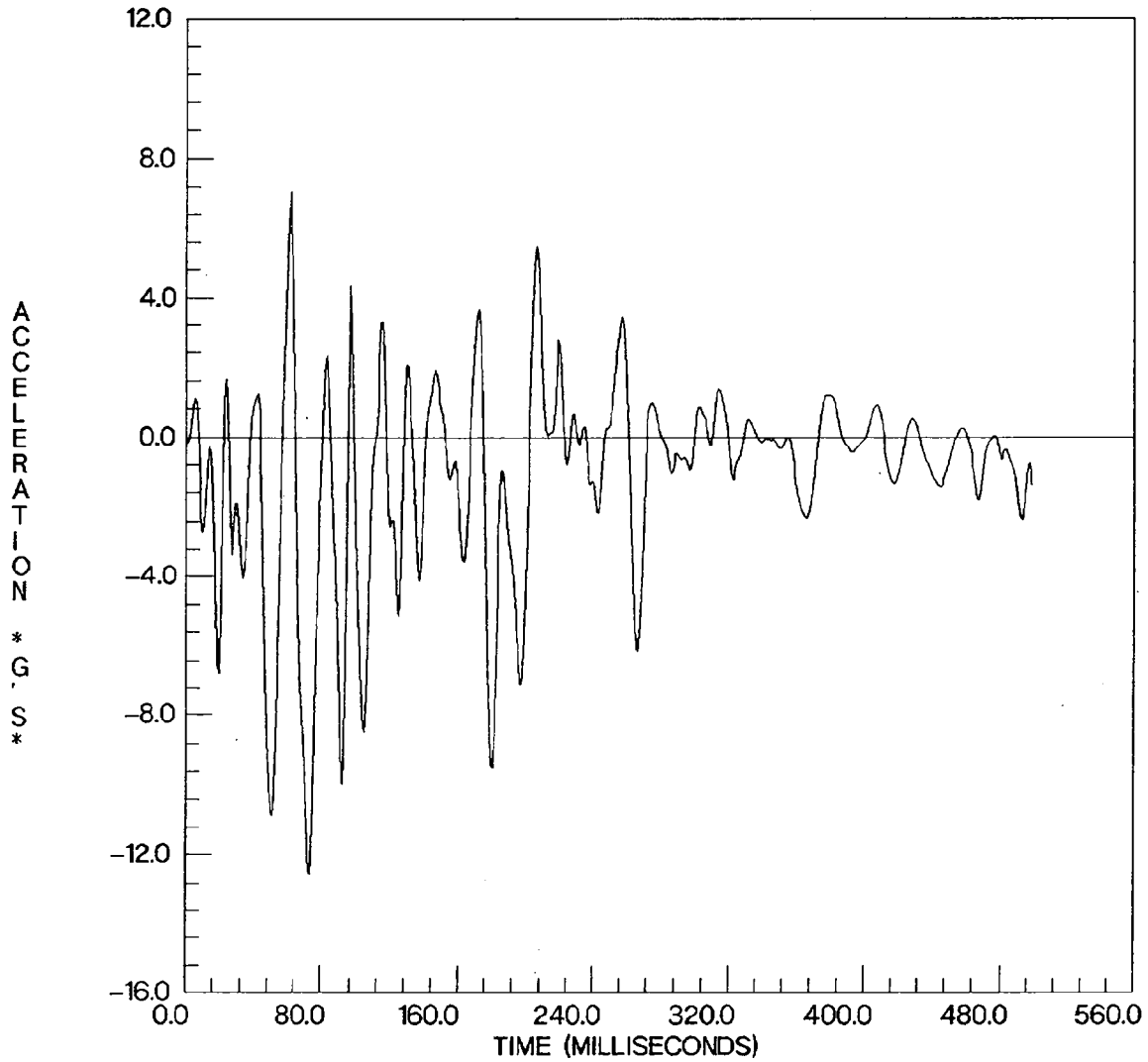
58.60 mph VTB

77 PLYMOUTH FURY
VEH 1

FOUR DOOR SEDAN

VEHICLE CG
DISTORTED
FILTER CUTOFF: 100Hz

XG AXIS
YMIN = -12.58490 at 73.00000 msec
YMAX = 7.043099 at 61.00000 msec



V0692AFD0.002

TEXAS TRANSP. INSTITUTE 4798-3

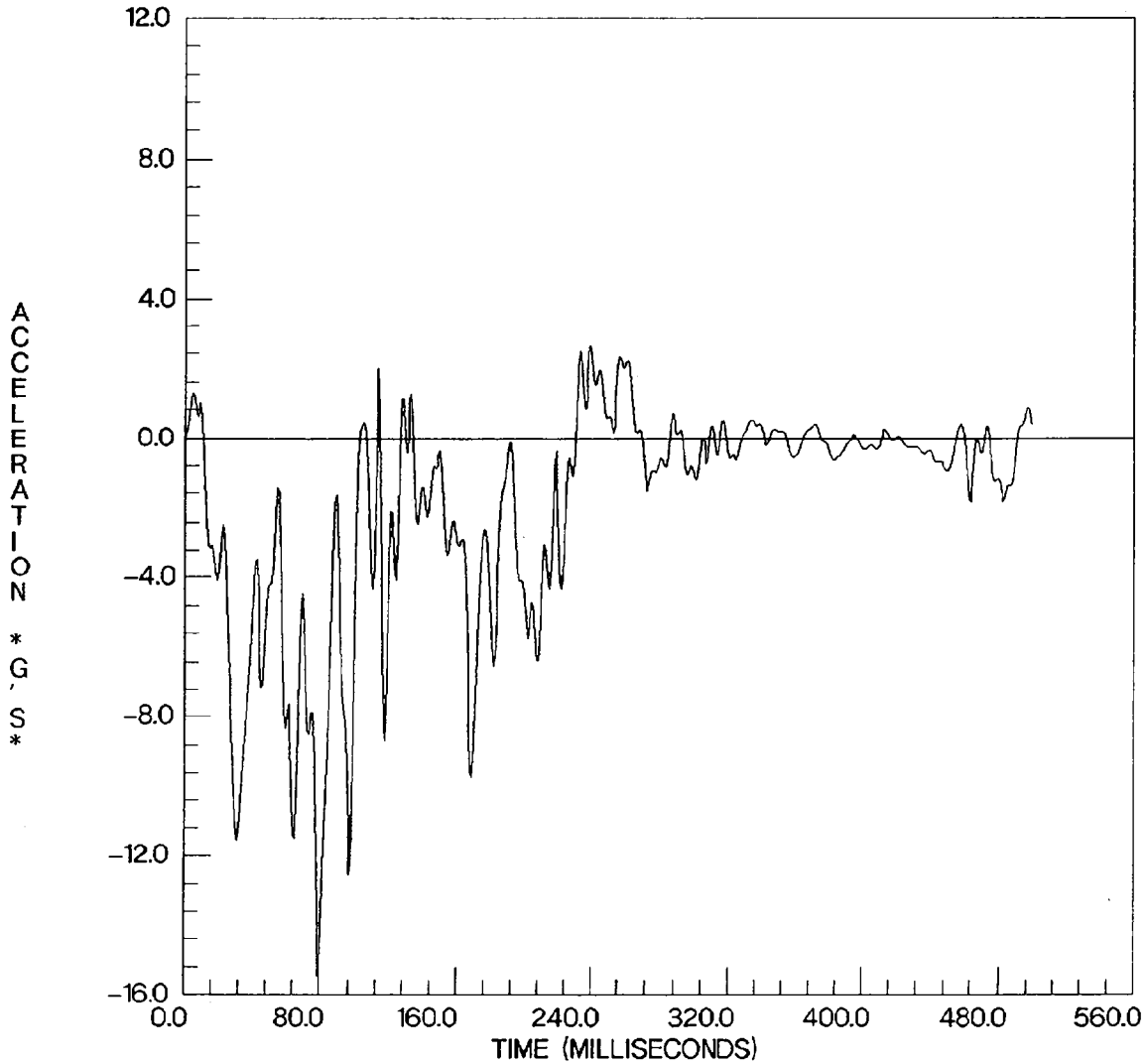
58.60 mph VTB

77 PLYMOUTH FURY
VEH 1

FOUR DOOR SEDAN

VEHICLE CG
DISTORTED
FILTER CUTOFF: 100Hz

YG AXIS
YMIN = -15.50142 at 79.00000 msec
YMAX = 2.653544 at 239.0000 msec



V0692AFD0.003

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

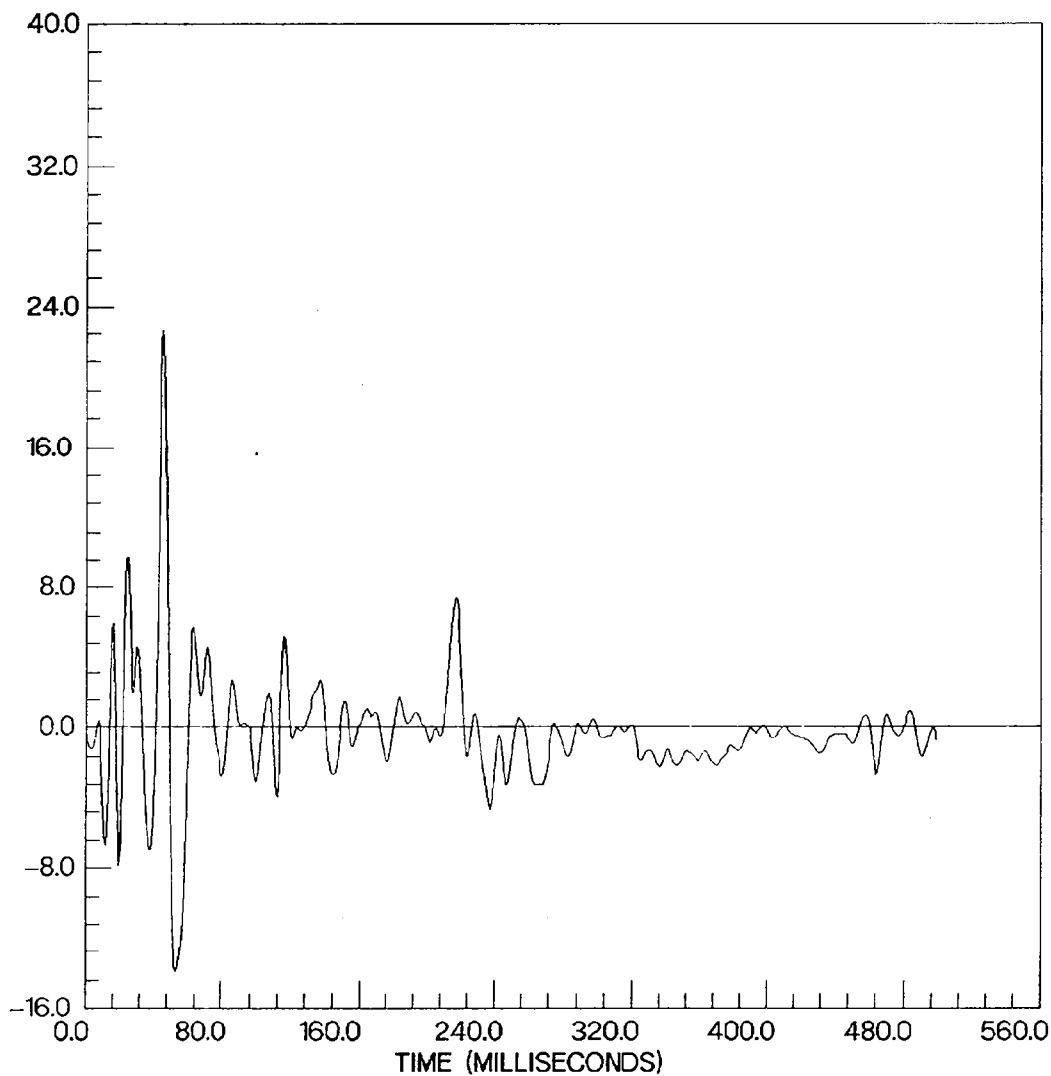
77 PLYMOUTH FURY
VEH 1

FOUR DOOR SEDAN

VEHICLE CG
DISTORTED
FILTER CUTOFF: 100Hz

ZG AXIS
YMIN = -13.91641 at 53.00000 msec
YMAX = 22.58485 at 45.00000 msec

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TEXAS TRANSP. INSTITUTE 4798-3

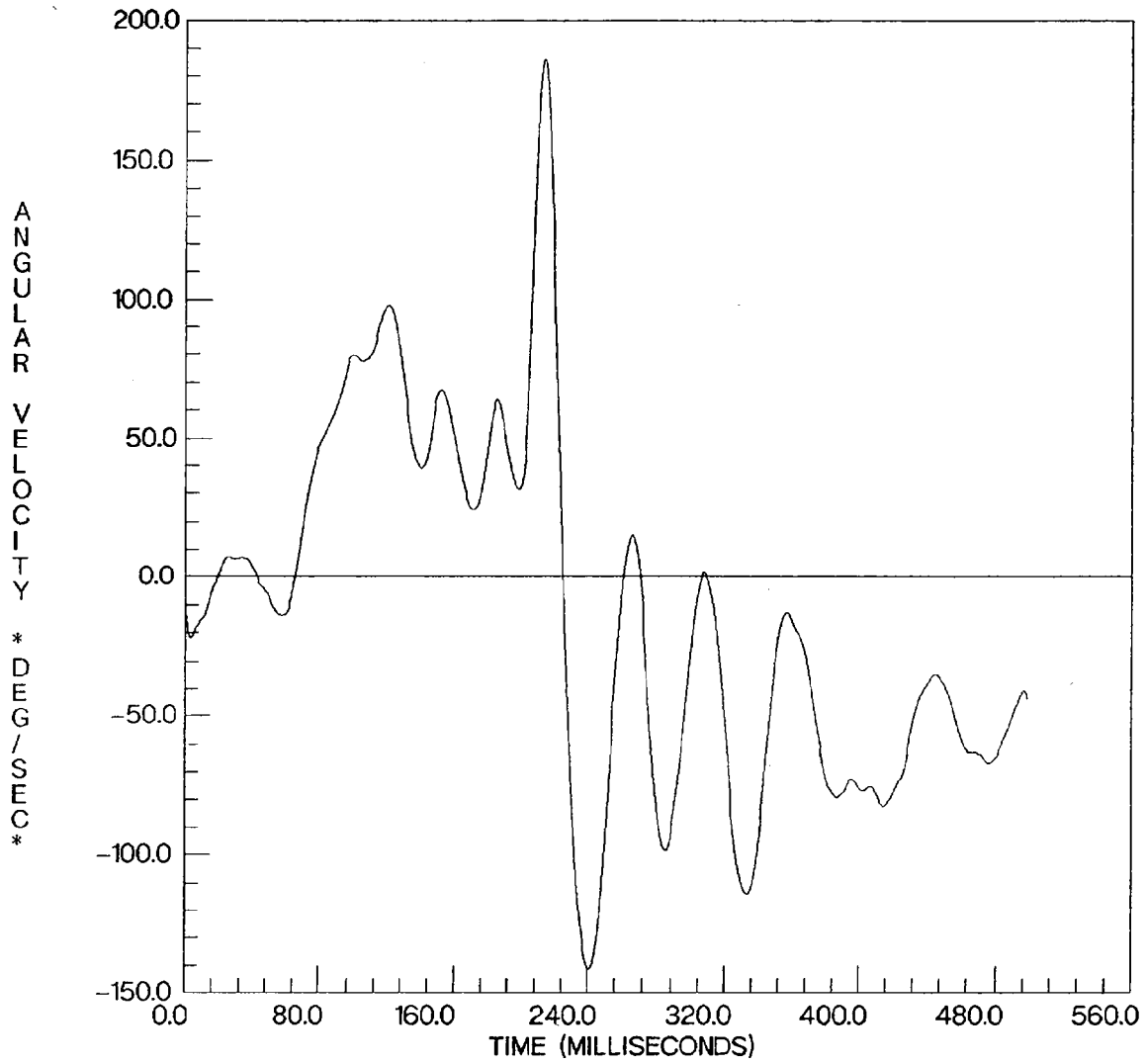
58.60 mph VTB

77 PLYMOUTH FURY
VEH 1

FOUR DOOR SEDAN

REAR DECK
DISTORTED
FILTER CUTOFF: 100Hz

XG AXIS
YMIN = -141.7000 at 241.0000 msec
YMAX = 186.3498 at 212.0000 msec



V0692AFD0.005

TEXAS TRANSP. INSTITUTE 4798-3

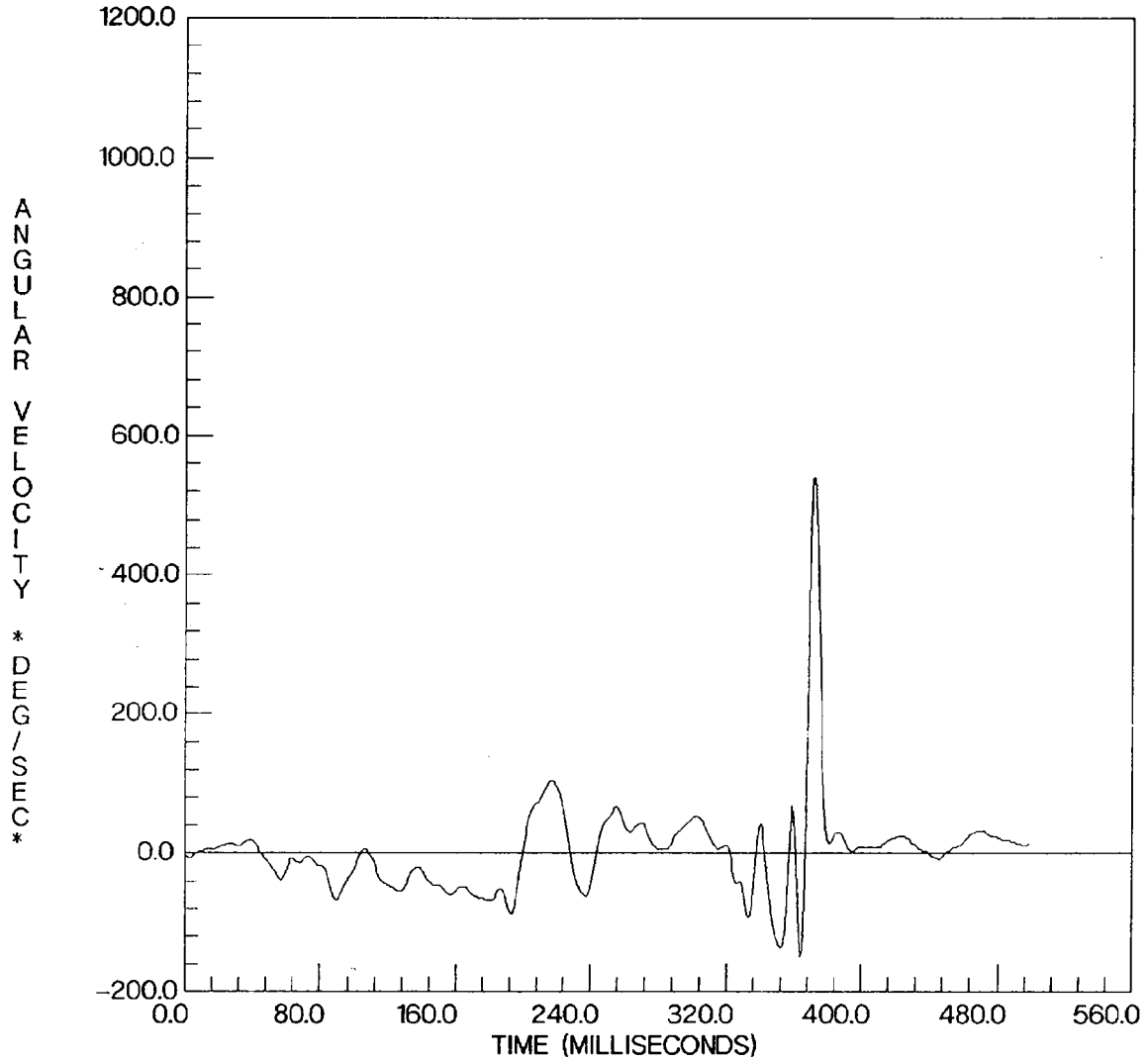
58.60 mph VTB

77 PLYMOUTH FURY
VEH 1

FOUR DOOR SEDAN

REAR DECK
DISTORTED
FILTER CUTOFF: 100Hz

YG AXIS
YMIN = -149.5536 at 364.0000 msec
YMAX = 539.5648 at 372.0000 msec



V0692AFD0.006

TEXAS TRANSP. INSTITUTE 4798-3

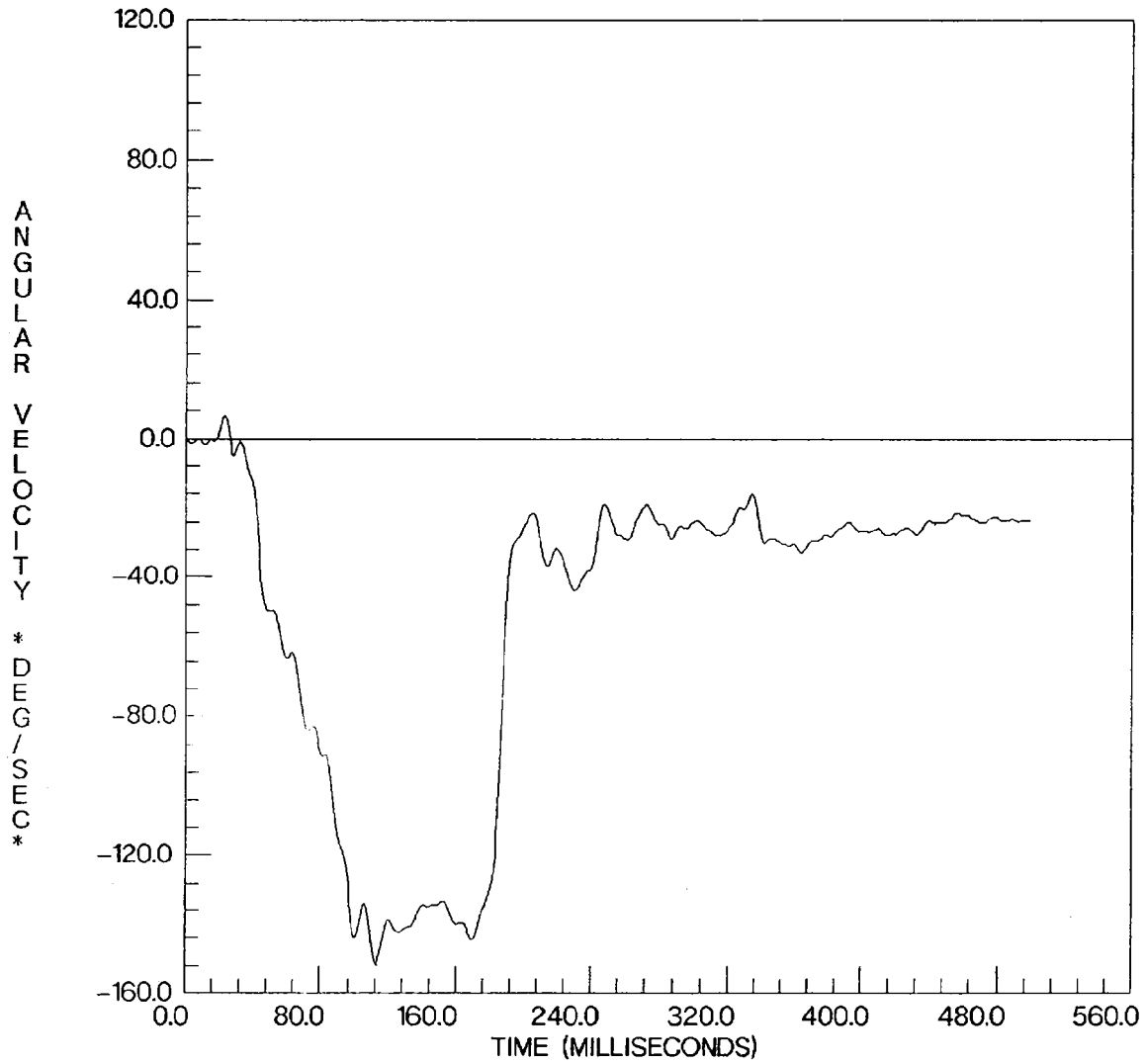
58.60 mph VTB

77 PLYMOUTH FURY
VEH 1

FOUR DOOR SEDAN

REAR DECK
DISTORTED
FILTER CUTOFF: 100Hz

ZG AXIS
YMIN = -152.1786 at 113.0000 msec
YMAX = 6.435348 at 22.00000 msec



V0692AA00.007

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 1 P572DM

HEAD CG

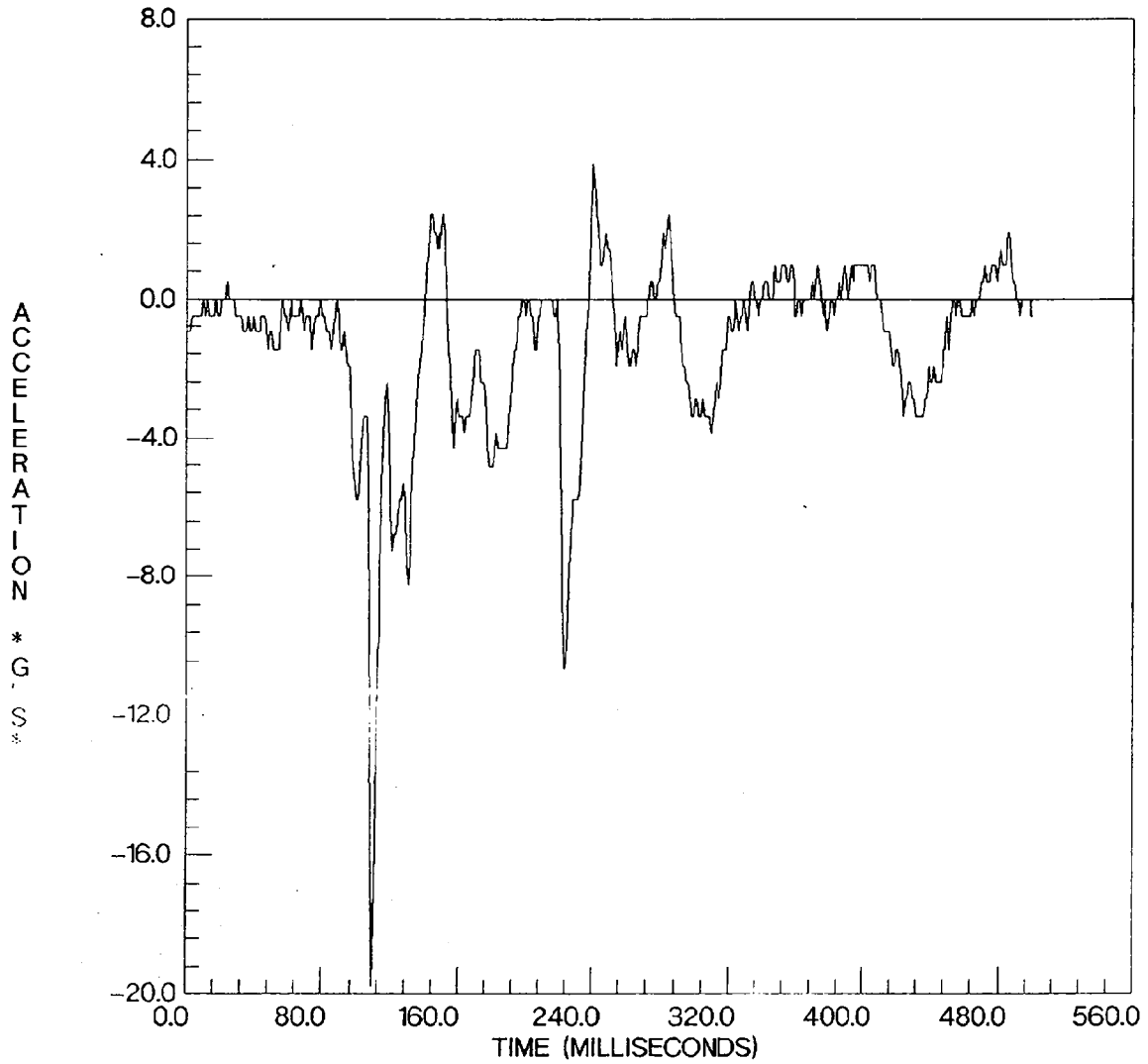
AS MEASURED

FILTER CUTOFF: 500Hz

XG AXIS

YMIN = -19.80700 at 109.0000 msec

YMAX = 3.864700 at 240.0000 msec



V0692AA00.008

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 1 P572DM

HEAD CG

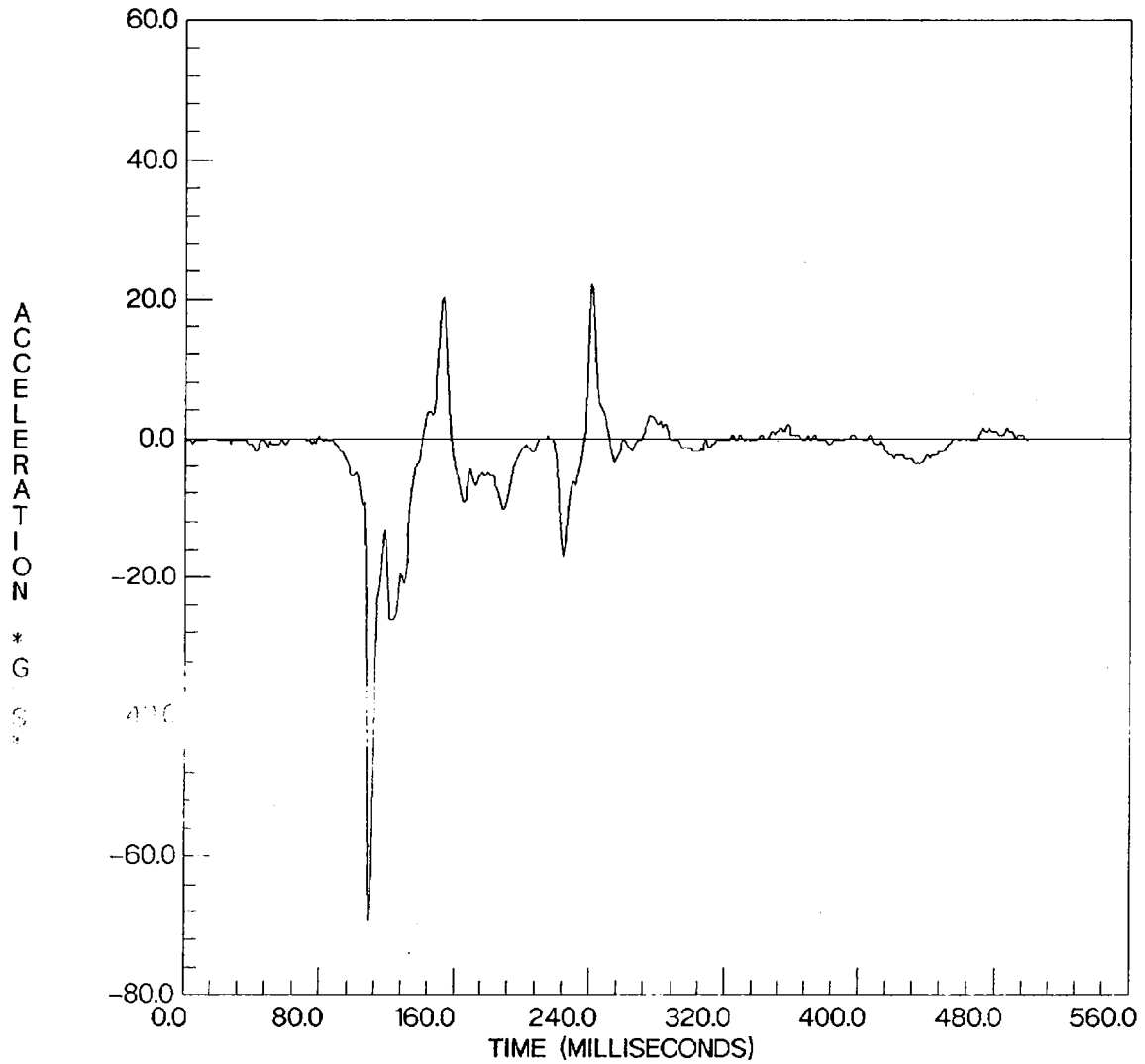
AS MEASURED

FILTER CUTOFF: 500Hz

YG AXIS

YMIN = -69.41700 at 109.0000 msec

YMAX = 22.33000 at 240.0000 msec



V0692AA00.009

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 1 P572DM

HEAD CG

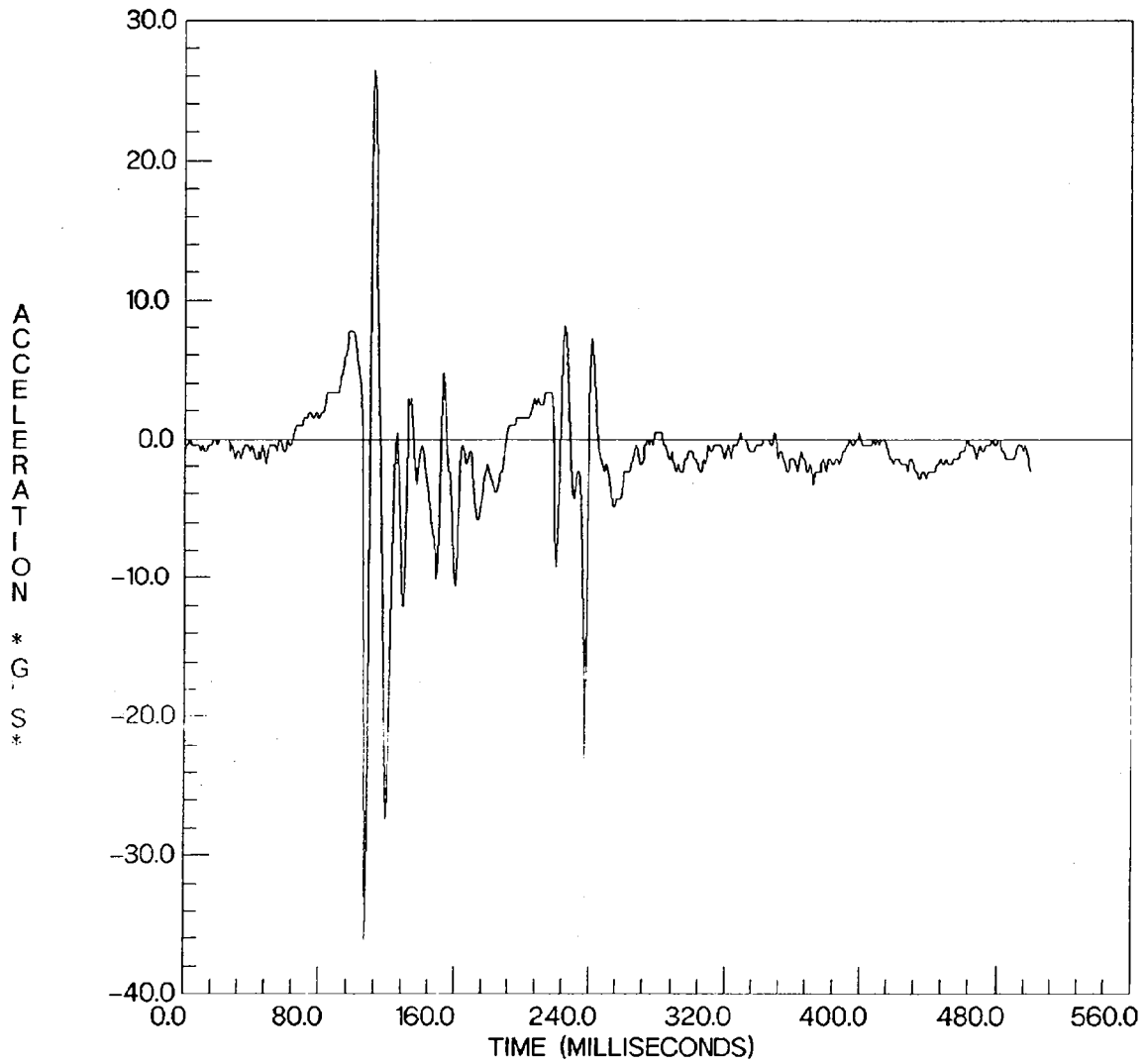
AS MEASURED

FILTER CUTOFF: 500Hz

ZG AXIS

YMIN = -36.05800 at 107.0000 msec

YMAX = 26.44200 at 111.0000 msec



V0692AFE0.010

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 1 P572DM

CHEST

DISTORTED

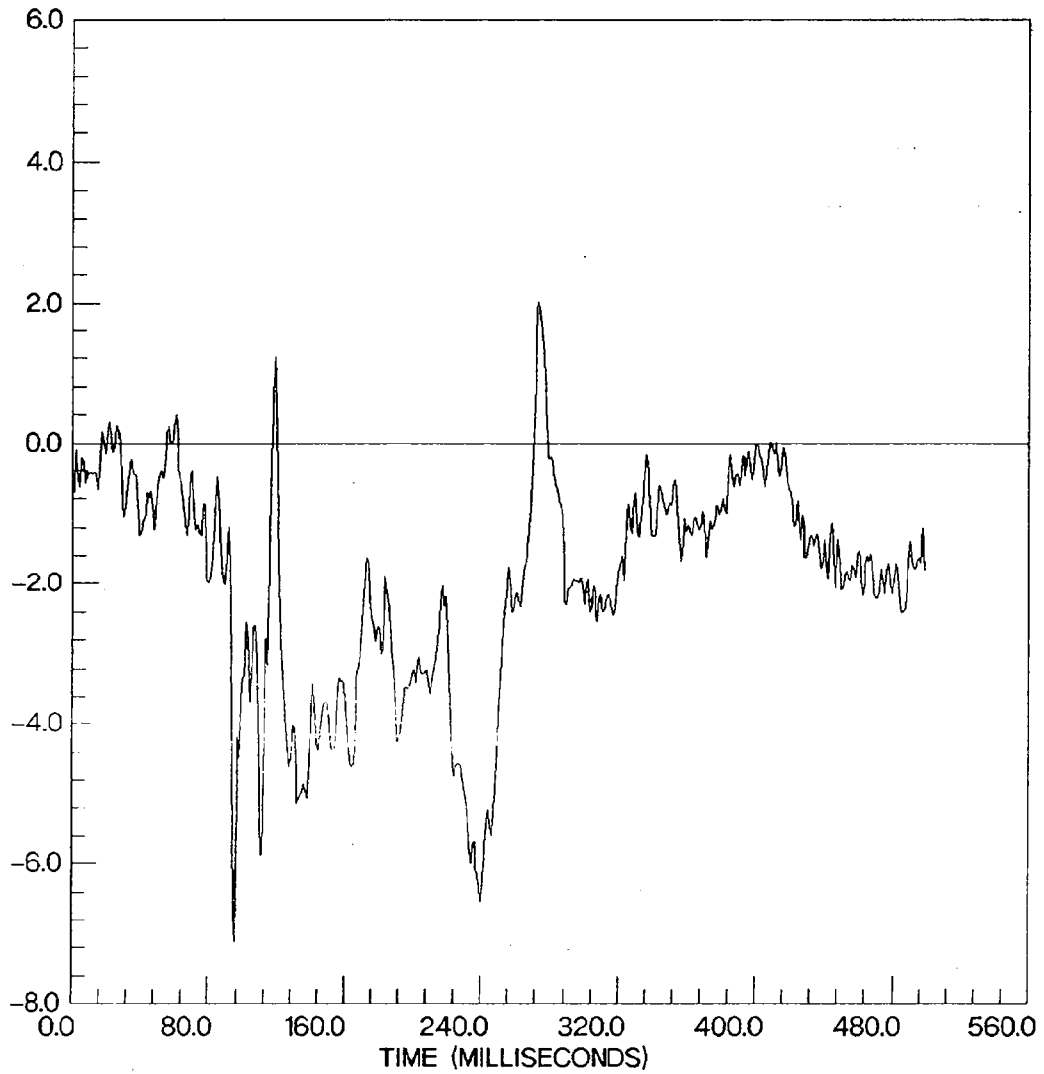
FILTER CUTOFF: 300Hz

XG AXIS

YMIN = -7.107810 at 95.00000 msec

YMAX = 2.028543 at 273.0000 msec

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V0692AFE0.011

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 1 P572DM

CHEST

DISTORTED

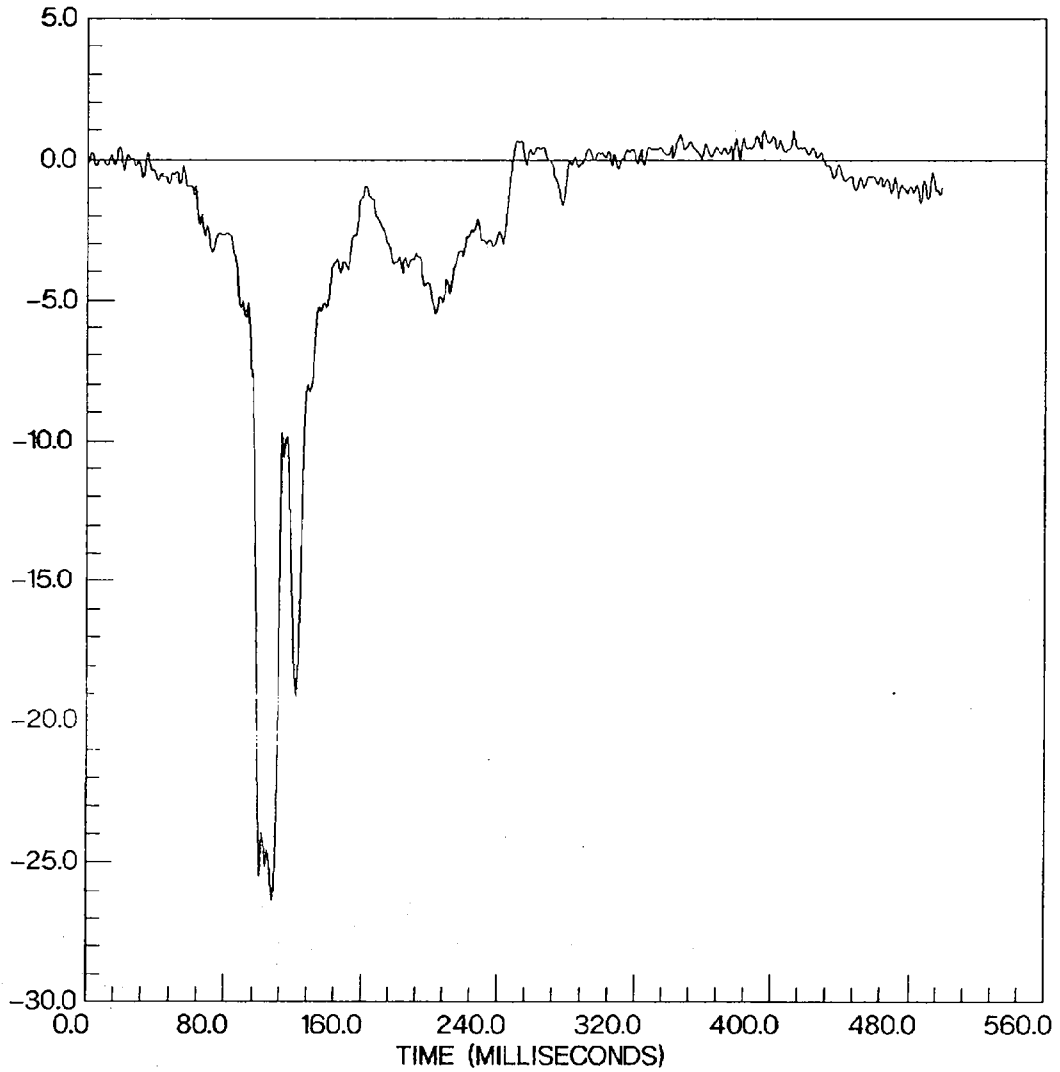
FILTER CUTOFF: 300Hz

YG AXIS

YMIN = -26.37868 at 108.0000 msec

YMAX = 1.043145 at 412.0000 msec

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V0692AFE0.012

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 1 P572DM

CHEST

DISTORTED

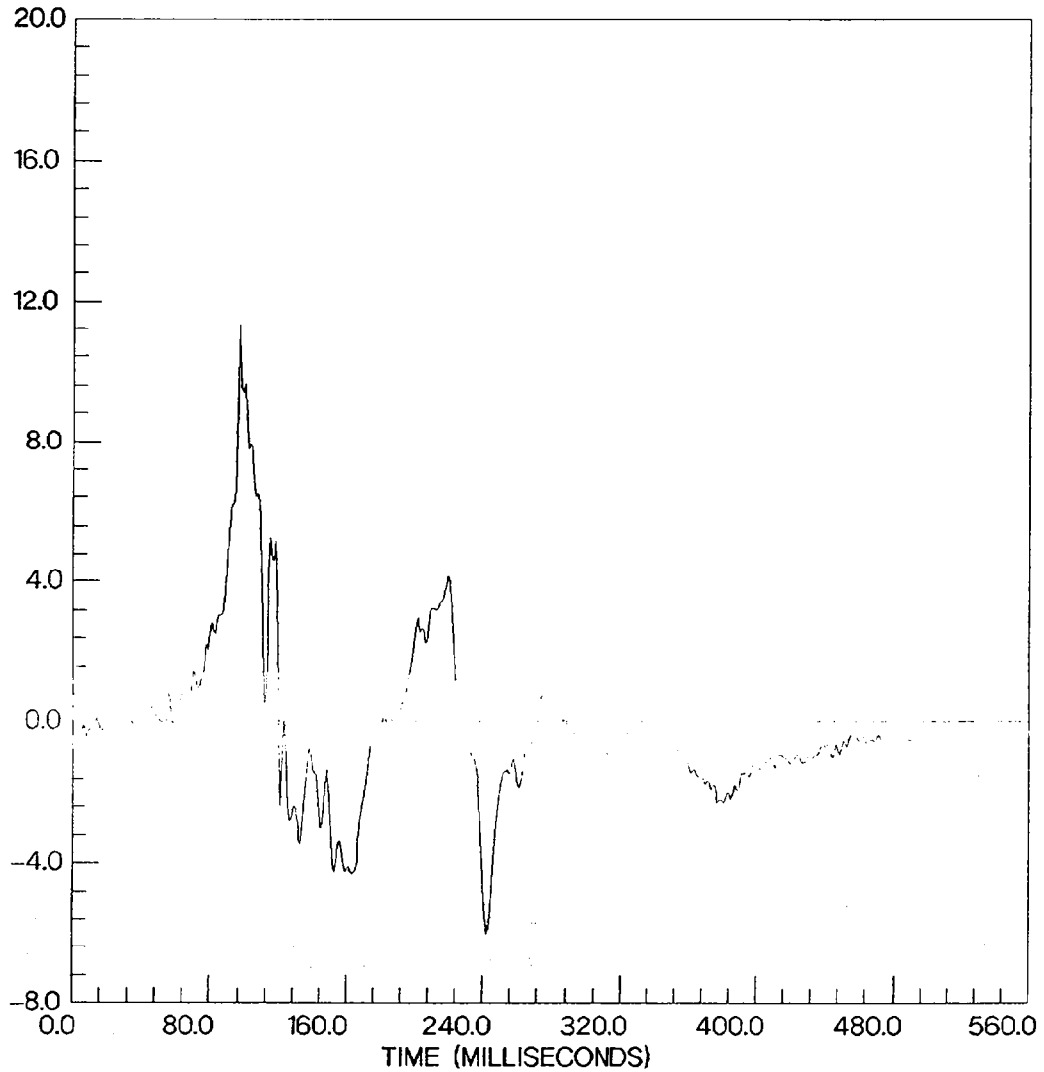
FILTER CUTOFF: 300Hz

ZG AXIS

YMIN = -6.001468 at 242.0000 msec

YMAX = 11.32024 at 96.00000 msec

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V0692AA00.013

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 2 P572DM

HEAD CG

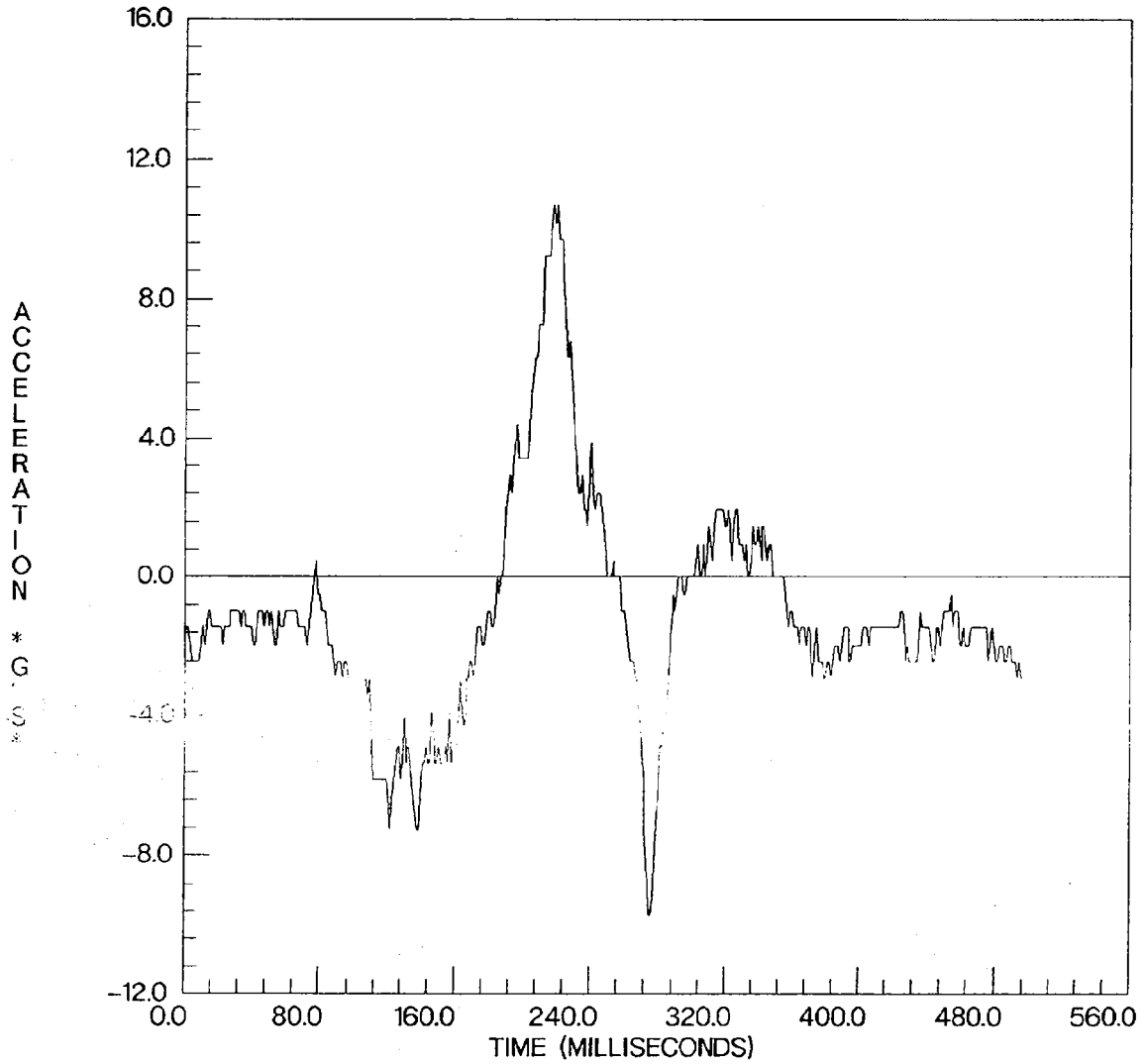
AS MEASURED

FILTER CUTOFF: 500Hz

XG AXIS

YMIN = -9.708700 at 275.0000 msec

YMAX = 10.68000 at 217.0000 msec



V0692AA00.014

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 2 P572DM

HEAD CG

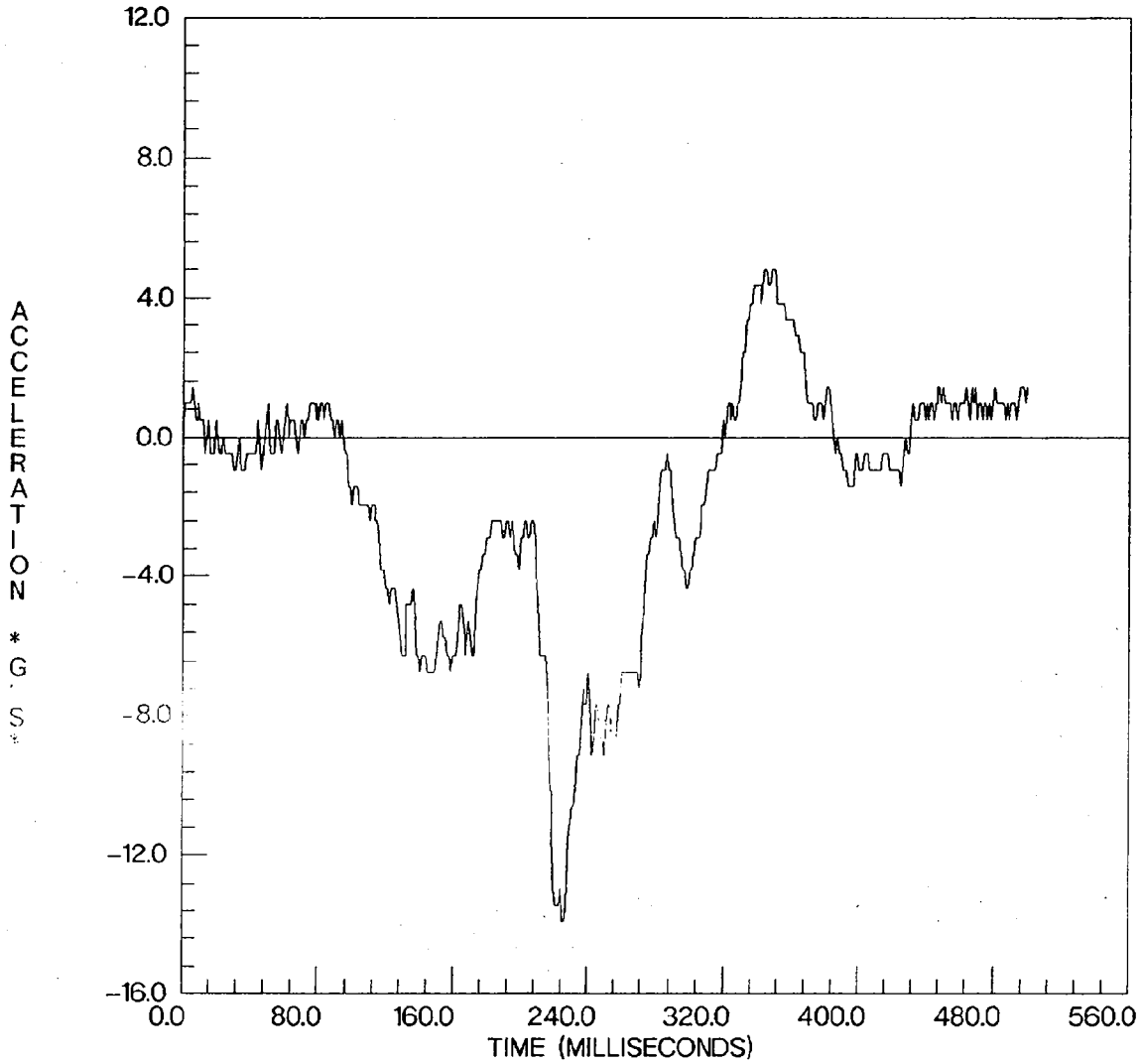
AS MEASURED

FILTER CUTOFF: 500Hz

YG AXIS

YMIN = -13.94200 at 225.0000 msec

YMAX = 4.807700 at 344.0000 msec



V0692AA00.015

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 2 P572DM

HEAD CG

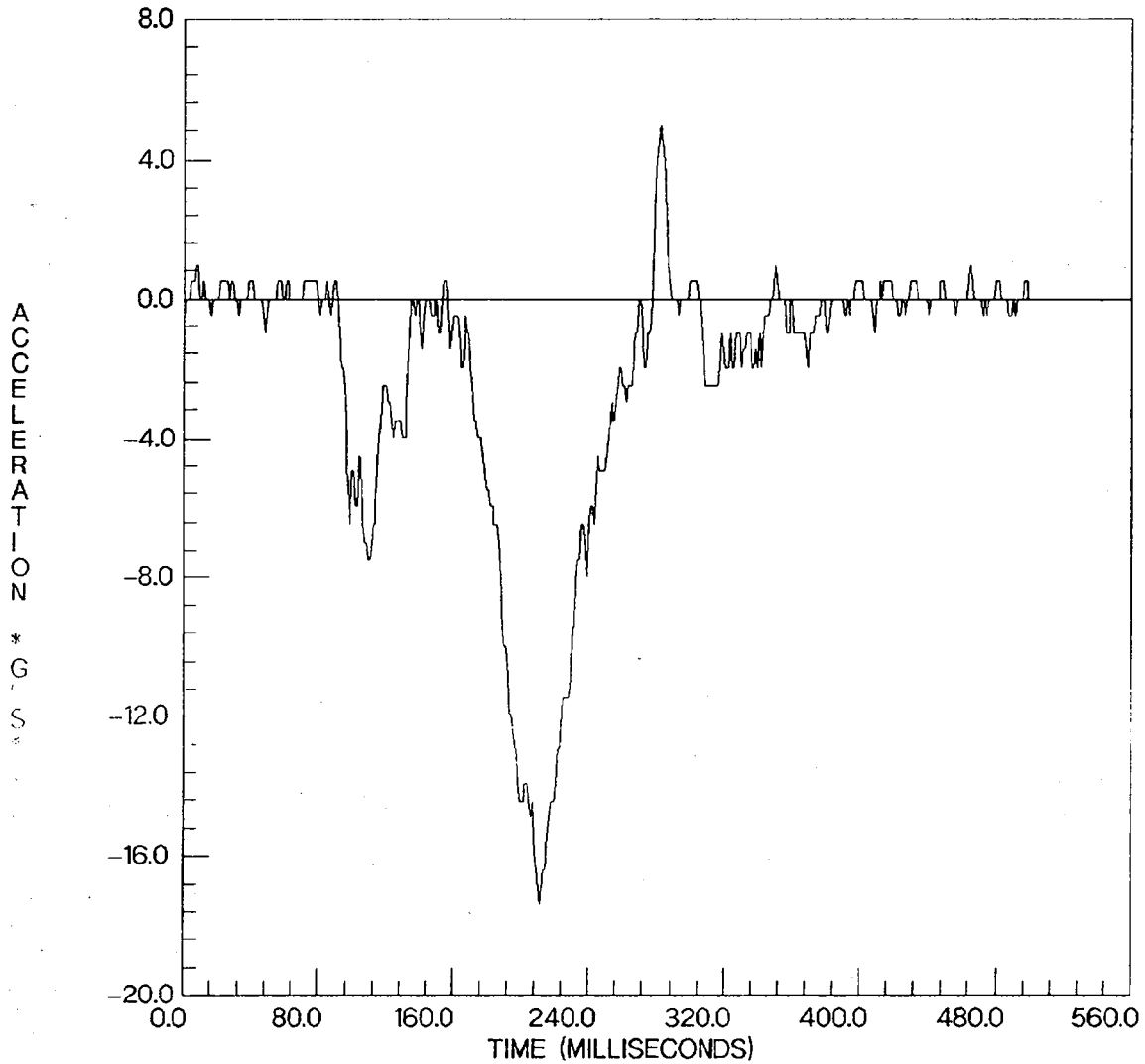
AS MEASURED

FILTER CUTOFF: 500Hz

ZG AXIS

YMIN = -17.41300 at 211.0000 msec

YMAX = 4.975100 at 282.0000 msec



V0692AFE0.016

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 2 P572DM

CHEST

DISTORTED

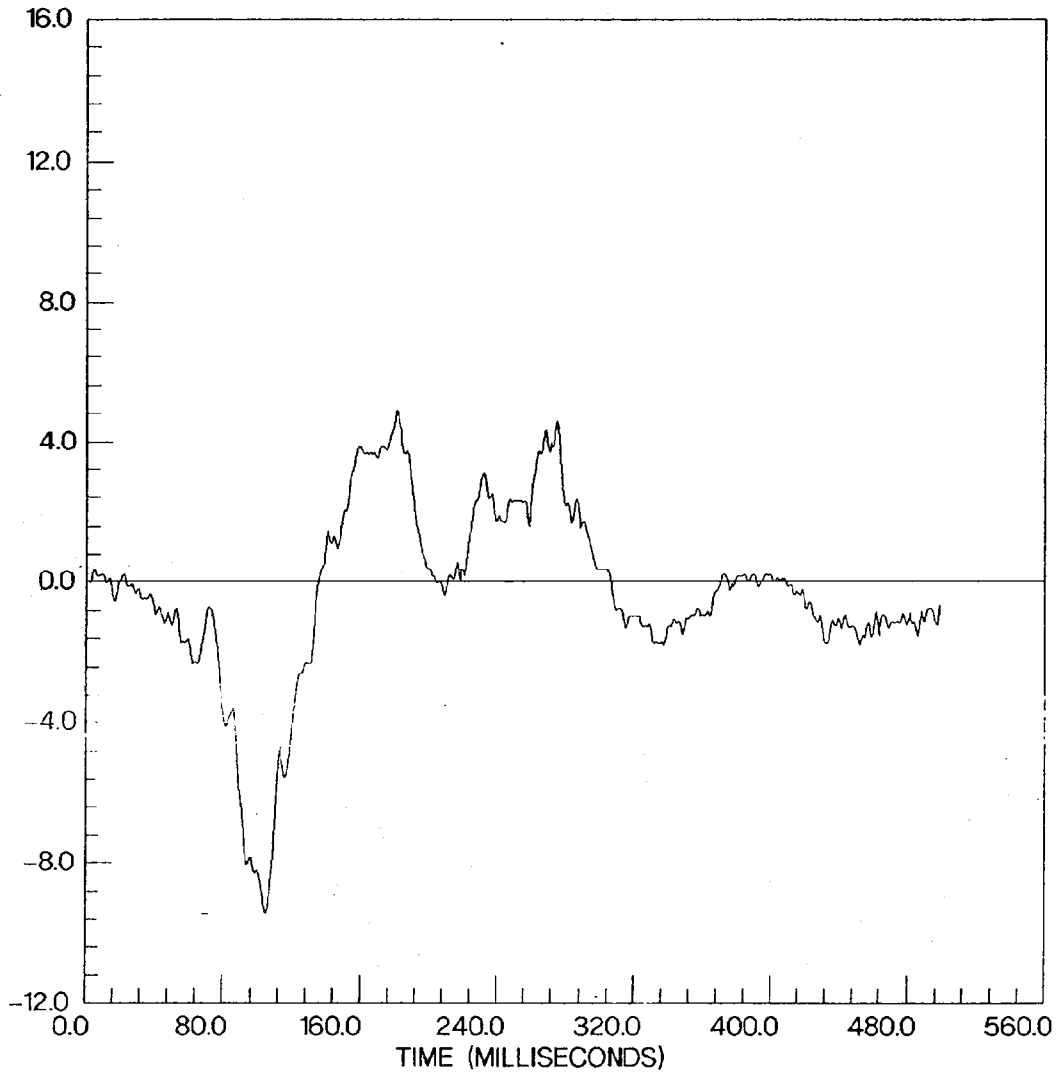
FILTER CUTOFF: 300Hz

XG AXIS

YMIN = -9.473400 at 105.0000 msec

YMAX = 4.908205 at 180.0000 msec

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V0692AFE0.017

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 2 P572DM

CHEST

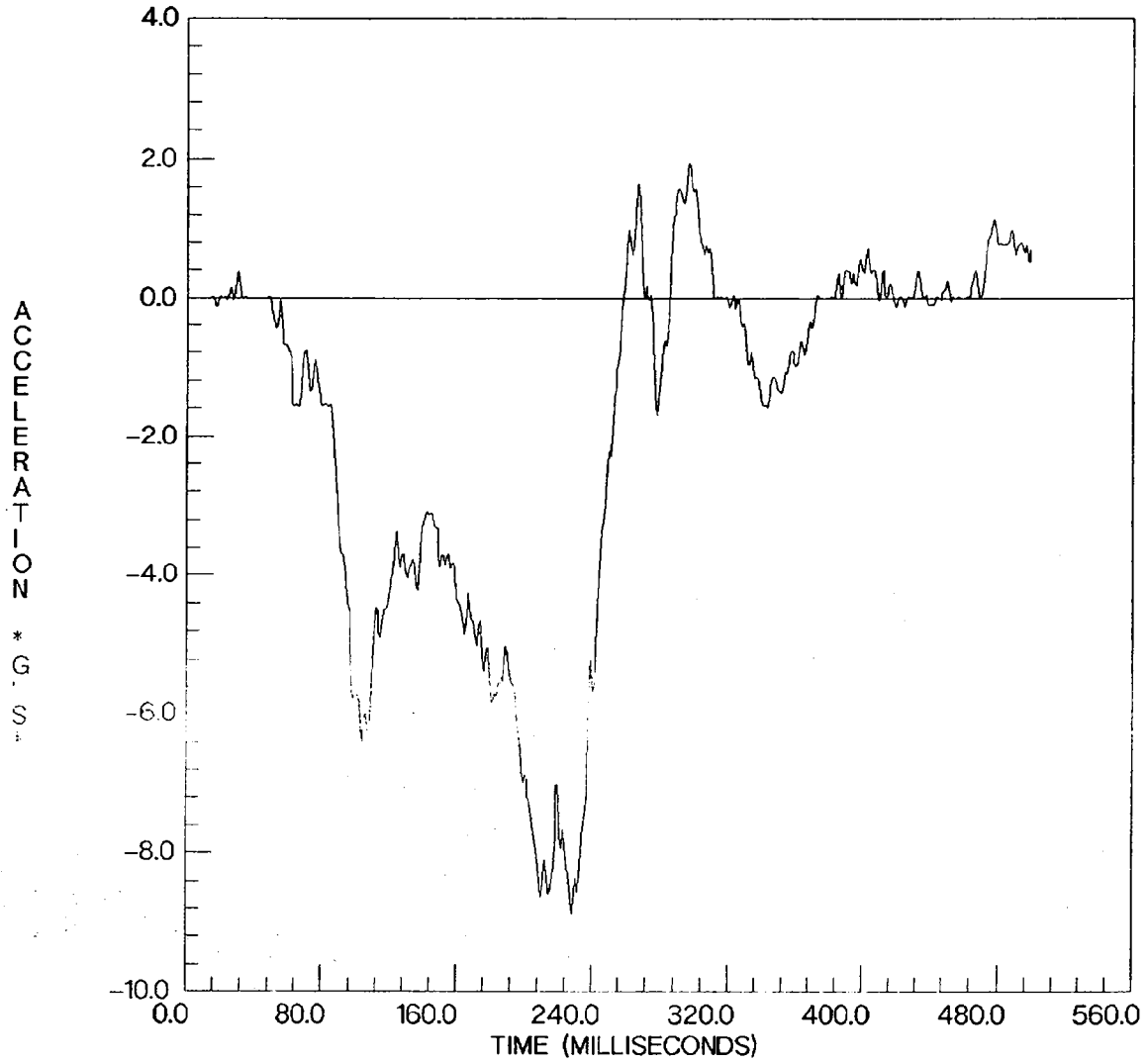
DISTORTED

FILTER CUTOFF: 300Hz

YG AXIS

YMIN = -8.891069 at 228.0000 msec

YMAX = 1.944625 at 296.0000 msec



V0692AFE0.018

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 2 P572DM

CHEST

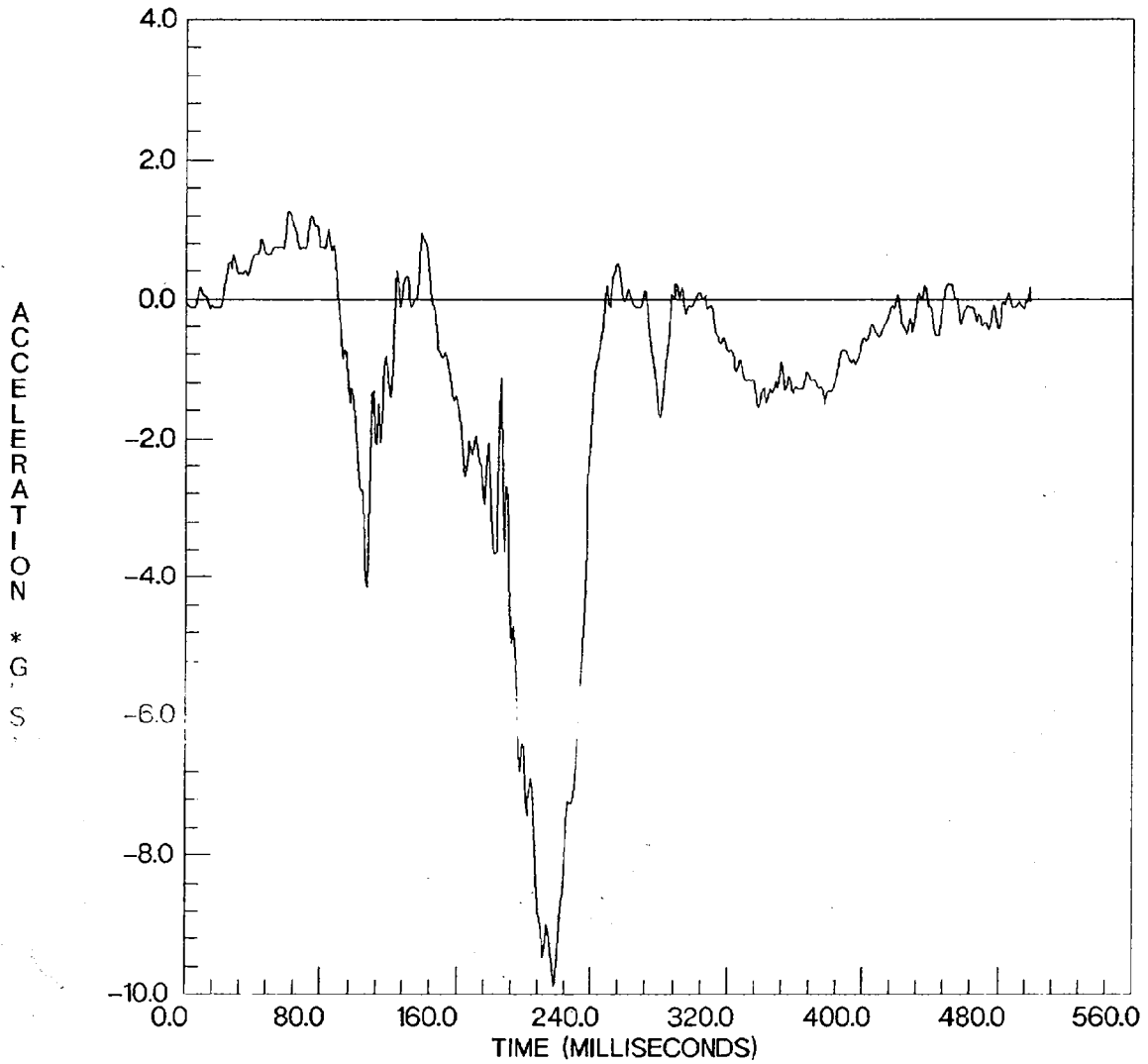
DISTORTED

FILTER CUTOFF: 300Hz

ZG AXIS

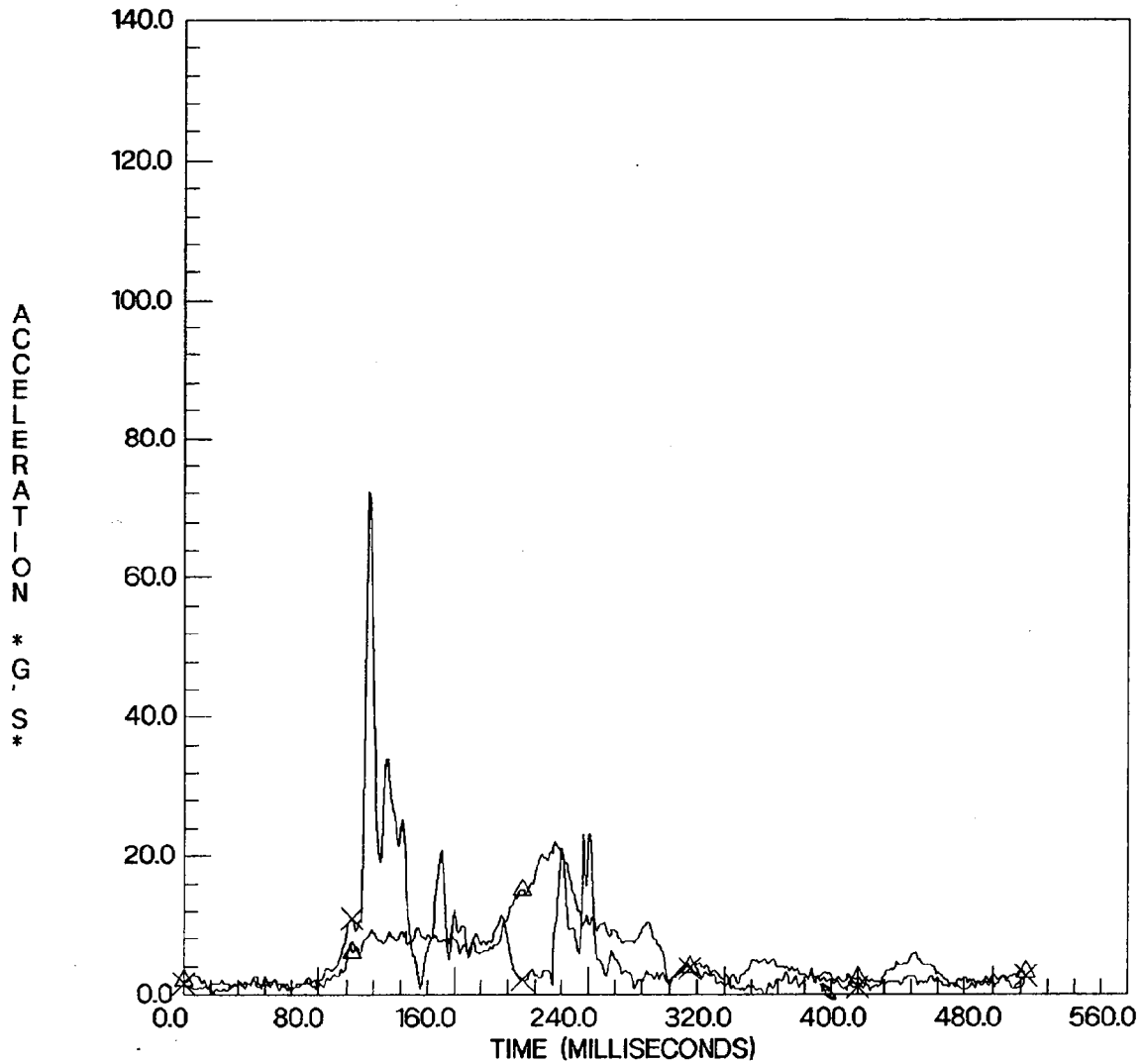
YMIN = -9.885567 at 217.0000 msec

YMAX = 1.277239 at 60.0000 msec



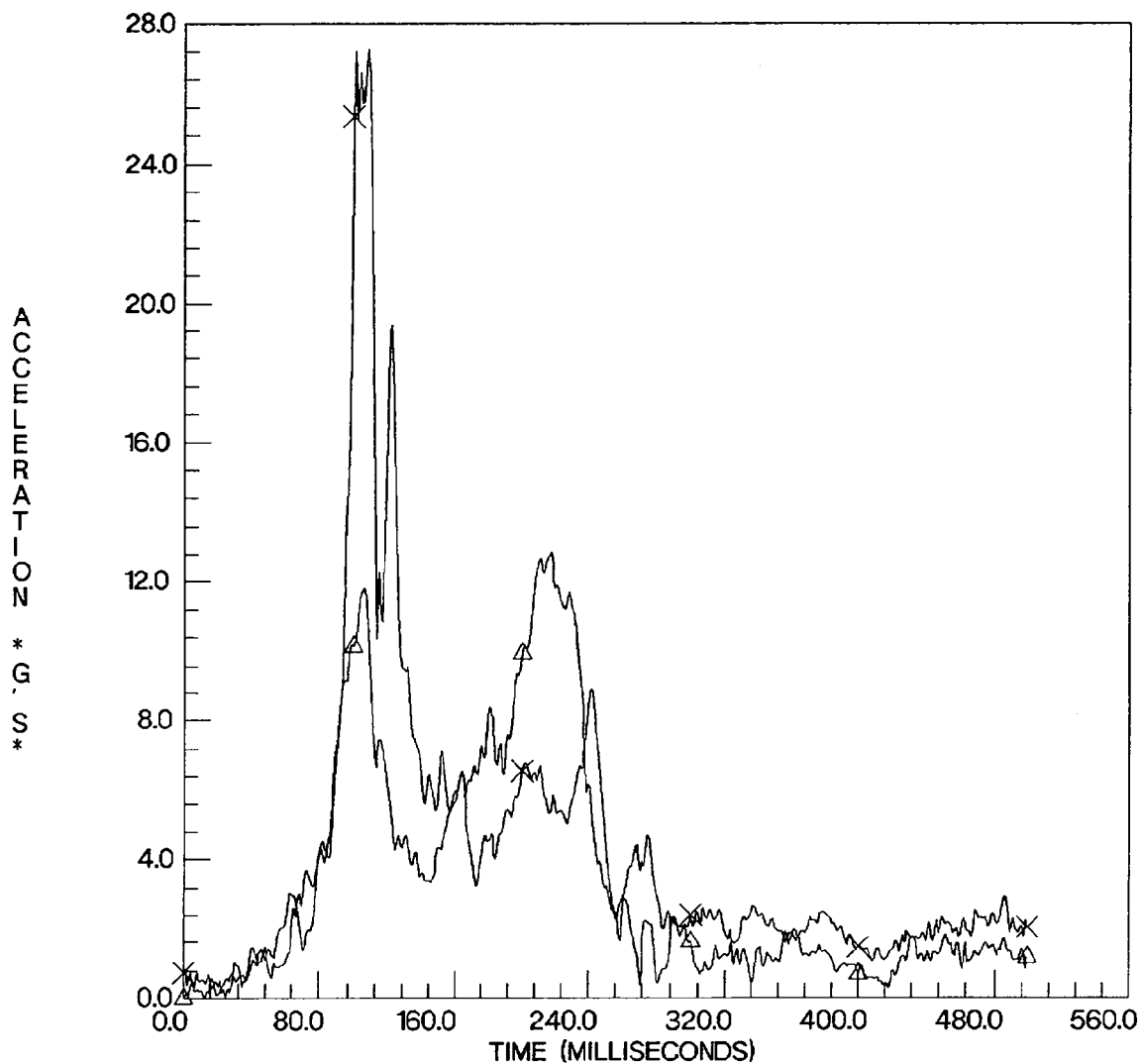
TTI 692 HEAD RESULT

- × V0692AC00.R1H 4798-3 VTB 77 PLYMOUTH FURY VEH1
OCCUPANT 1 HEAD CG RS AXIS 500Hz
- △ V0692AC00.R2H 4798-3 VTB 77 PLYMOUTH FURY VEH1
OCCUPANT 2 HEAD CG RS AXIS 500Hz



TTI 692 CHEST RESULT

- × V0692ACE0.RIC 4798-3 VTB 77 PLYMOUTH FURY VEH1
OCCUPANT 1 CHEST RS AXIS 300Hz
- △ V0692ACE0.R2C 4798-3 VTB 77 PLYMOUTH FURY VEH1
OCCUPANT 2 CHEST RS AXIS 300Hz



V0692AC00.R1H

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 1 P572DM

HIC = 159.0797

HEAD CG

RS AXIS

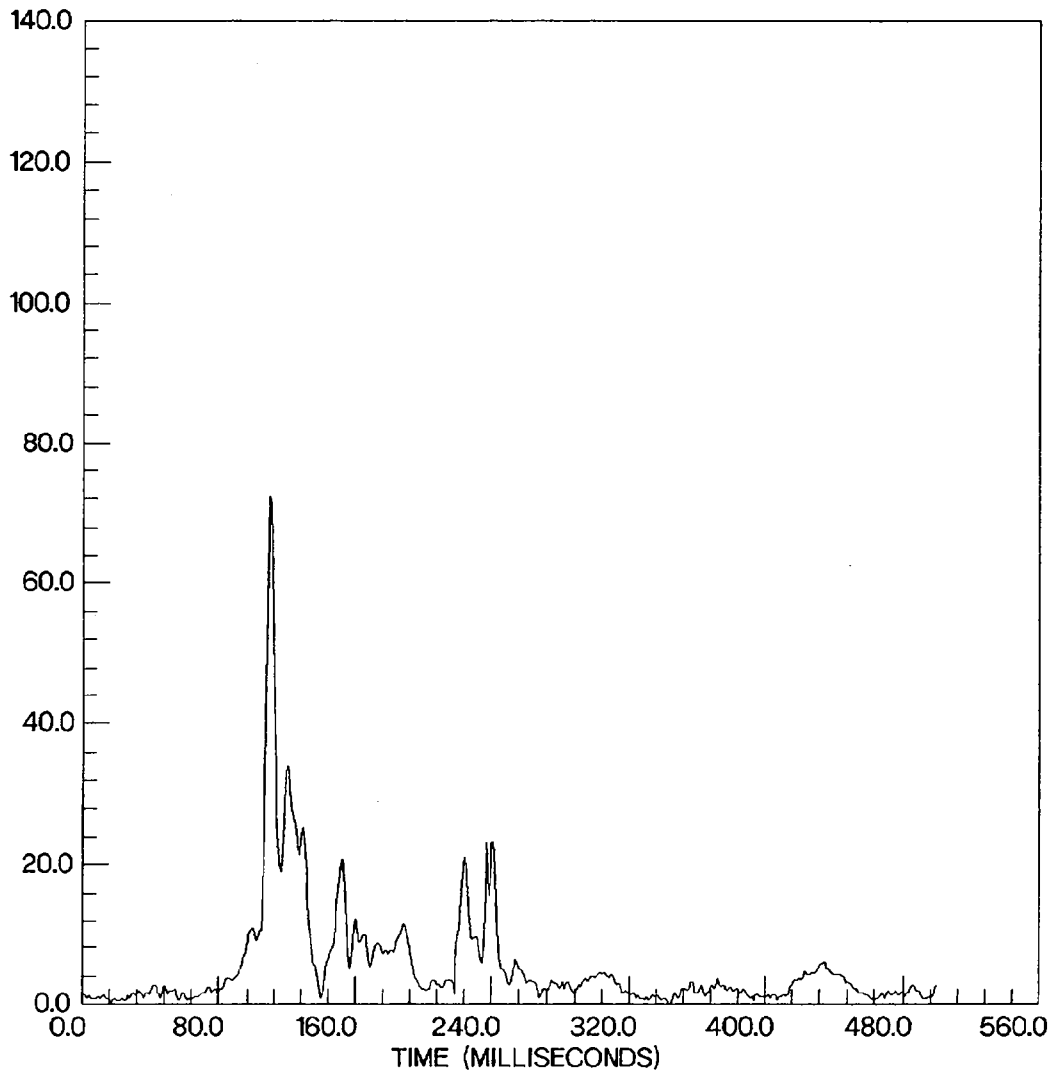
COMPUTED

YMIN = 0.000000 at 17.00000 msec

FILTER CUTOFF: 500Hz

YMAX = 72.28991 at 109.0000 msec

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V0692AC00.R2H

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 2 P572DM

HIC = 61.01443

HEAD CG

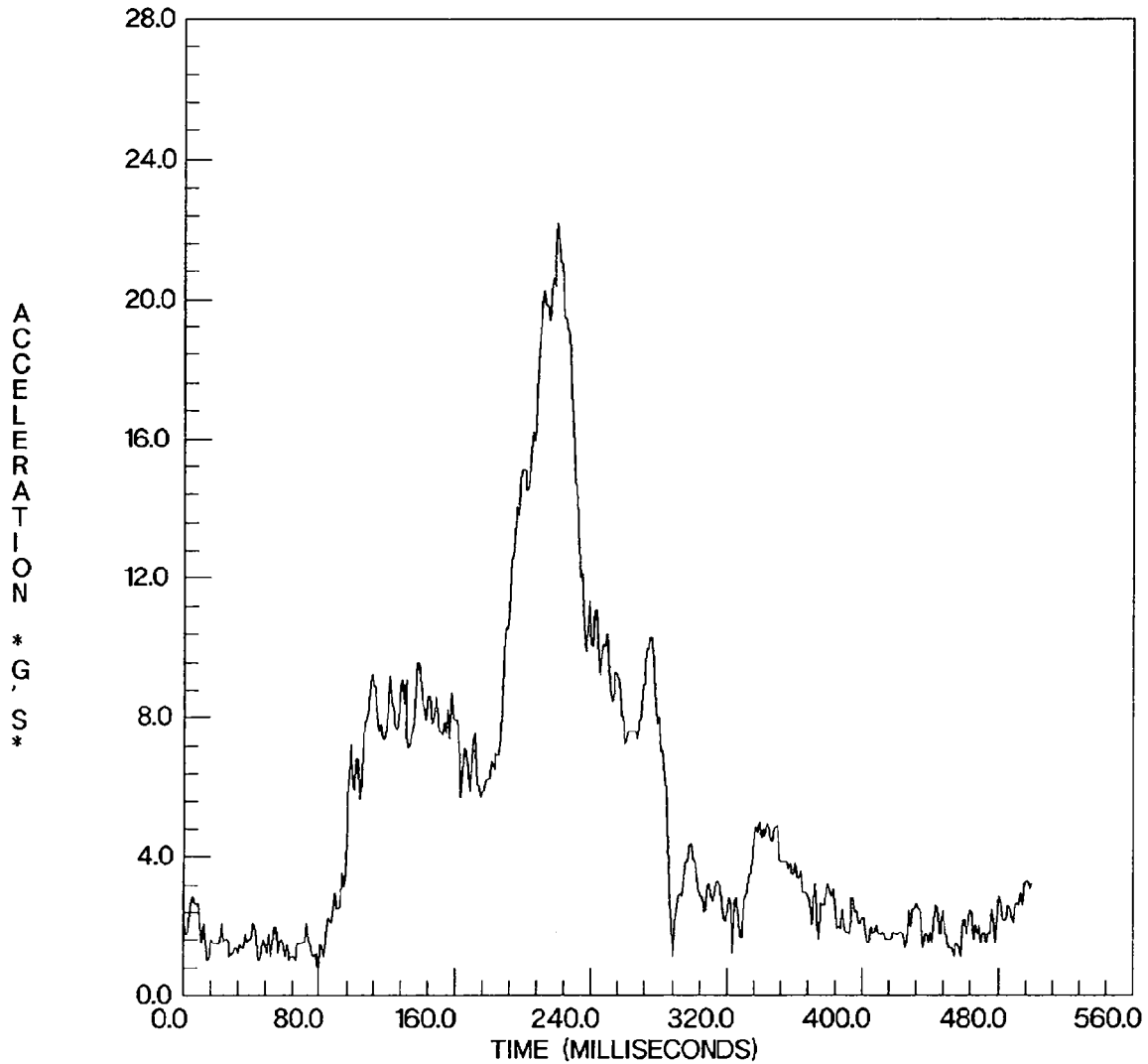
RS AXIS

COMPUTED

YMIN = 0.683222 at 80.00000 msec

FILTER CUTOFF: 500Hz

YMAX = 22.15256 at 220.0000 msec



V0692ACE0.R1C

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 1 P572DM

CSI = 72.35857 CLIP3M = 26.14008

CHEST

RS AXIS

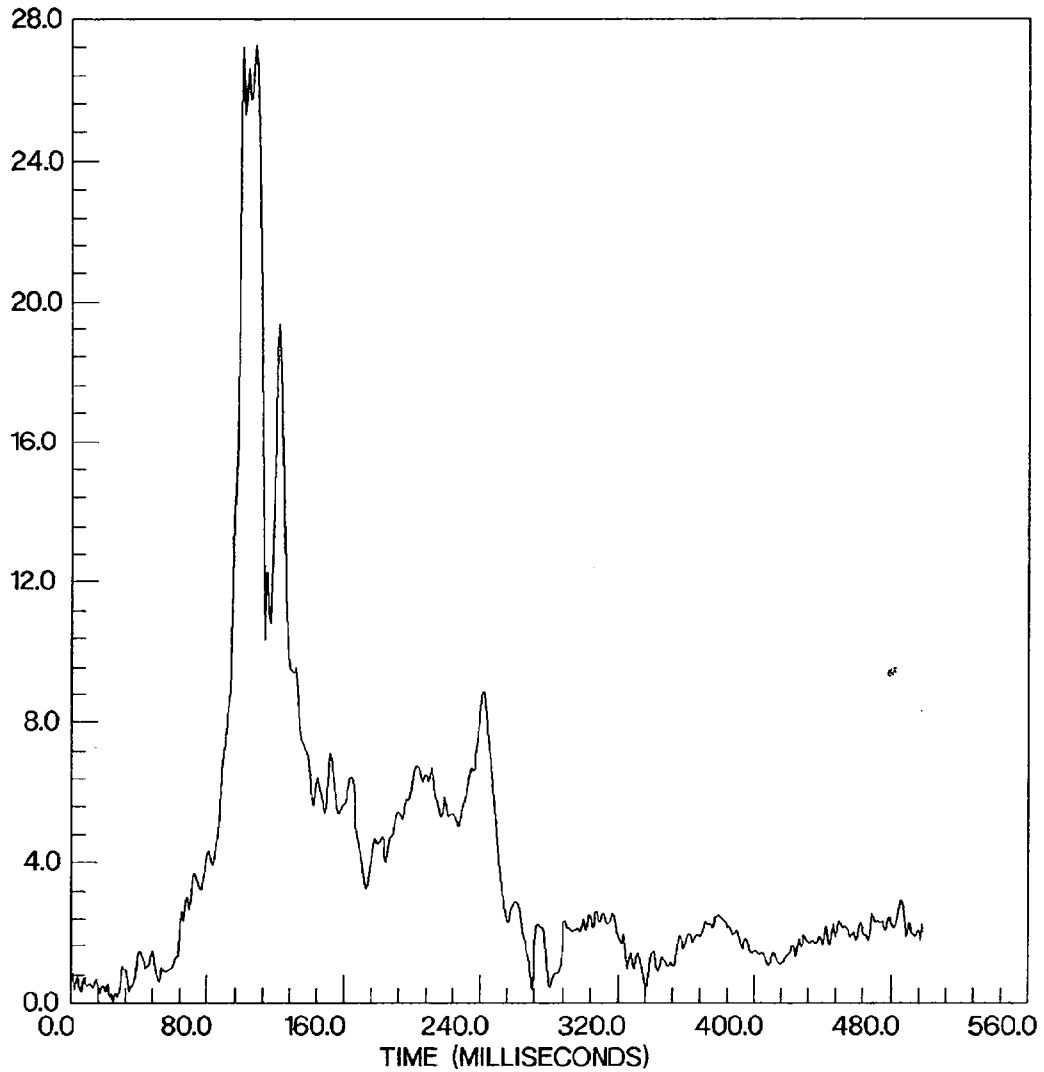
COMPUTED

YMIN = -0.0590226 at 24.00000 msec

FILTER CUTOFF: 300Hz

YMAX = 27.29393 at 108.0000 msec

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V0692ACE0.R2C

TEXAS TRANSP. INSTITUTE 4798-3

58.60 mph VTB

77 PLYMOUTH FURY

FOUR DOOR SEDAN

VEH 1

OCCUPANT LOC 2 P572DM

CSI = 34.34962 CLIP3M = 12.64106

CHEST

RS AXIS

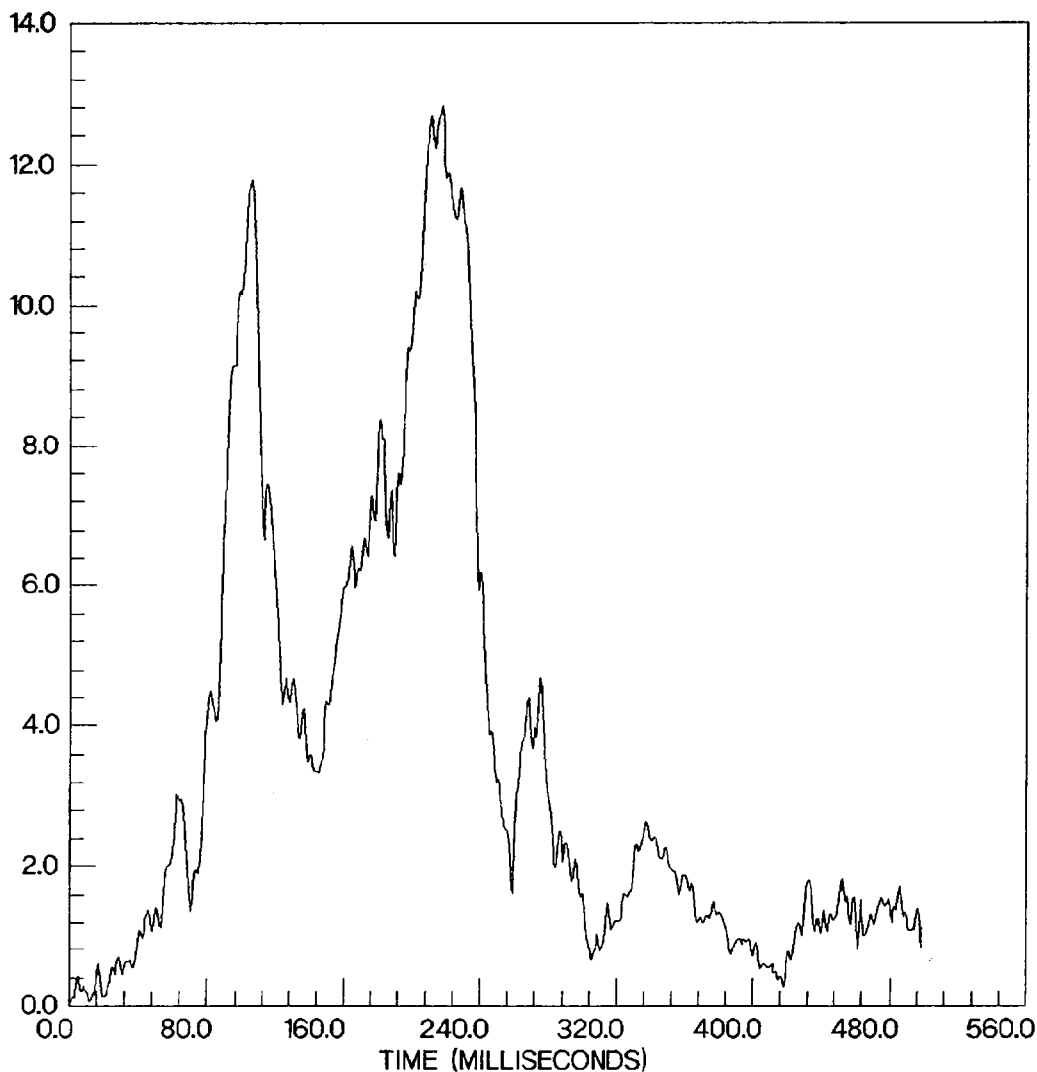
COMPUTED

YMIN = -0.0221687 at 24.0000 msec

FILTER CUTOFF: 300Hz

YMAX = 12.84165 at 217.0000 msec

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DATE: 14-JUL-86

U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
CRASH AUTOMOBILE RESEARCH SYSTEM
DYNAMIC CRASH FILE CATALOG

PAGE: 1

SELECTION CRITERION
VEHDB

VERSION 1 DATA

TABLE OF CONTENTS

HARD COPY REFERENCE NUMBER	CONTRACT NUMBER	TEST PERFORMER	TEST TITLE
692	DTFH61-82-C	TTI	42 IN CMB

DATE: 14-JUL-86

U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
CRASH AUTOMOBILE RESEARCH SYSTEM
DYNAMIC CRASH FILE CATALOG

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SELECTION CRITERION
VEHDB

VERSION 1 DATA

TEST INFORMATION
FOR TEST 692

TEST TITLE: 42 IN CMB
ENTRY DATE: 01-MAR-84
TEST DATE: 05/24/83
CONTRACT NUMBER: DTFH61-82-C
HARD COPY REFERENCE NUMBER: 692
TEST REFERENCE NUMBER: 4798-3
TEST PERFORMER: TEXAS TRANSP. INSTITUTE
TEST CONFIGURATION: VEHICLE INTO BARRIER
TEST TYPE: ROADSIDE BARRIER TEST
TEST OBJECTIVES: EVALUATION OF BARRIER LIMIT CAPACITY FOR DIFFERENT CLASSES OF VEHICLES
CLOSING SPEED: 58.60
IMPANG ANGLE: 73
TEST TRACK SURFACE: ASPHALT
TEST TRACK CONDITIONS: DRY
IMPACT POINT: 999.90
OFFSET DISTANCE: 999.90
RECORDER TYPE: FM TAPE RECORDER
DATA LINK TO RECORDER: TELEMETRY
SYSTEM OF MEASUREMENT: ENGLISH
AMBIENT TEMPERATURE: 70
DESCRIPTION OF OTHER ANOMALIES:
TOTAL CURVE: 18

SELECTION CRITERION
VEHDB

VERSION 1 DATA

VEHICLE INFORMATION
FOR TEST 592

VEHICLE IDENTIFICATION NUMBER: 1

MAKE: PLYMOUTH MODEL: FURY YEAR: 77 TEST WEIGHT: 4880

ENGINE TYPE: V8 INLINE FRONT ENGINE DISPLACEMENT: 440 CU IN

TRANSMISSION TYPE: AUTOMATIC - REAR WHEEL DRIVE BODY TYPE: FOUR DOOR SEDAN

VEHICLE LENGTH: 219.30 VEHICLE WIDTH: 80.80 WHEELBASE: 122.00

VEHICLE C.G. DISTANCE BEHIND FRONT AXLE: 52.80

STEERING COLUMN COLLAPSE MECHANISM: BEHIND WHEEL UNITS STEERING COLUMN ATTACHMENT TO DASH: UNKNOWN

VEHICLE MODIFICATION INDICATOR: PRODUCTION VEHICLE

GENERAL DESCRIPTION OF VEHICLE MODIFICATIONS:

POOF ANGLE: 17 TRAVEL ANGLE: 0 VEHICLE SPEED: 58.60 VEHICLE DAMAGE INDEX: 11LDES3

BUMPER ENGAGEMENT: NOT APPLICABLE

SILL ENGAGEMENT: NOT APPLICABLE

LENGTH OF DIRECT CONTACT DAMAGE: 219.30 A-PILLAR ANGGEMENT: NOT APPLICABLE

DISTANCE BETWEEN CENTER OF DAMAGE AREA AND C.G. AXIS: 0.00 MAXIMUM CRUSH DISTANCE: 12.00

POINT NUMBER 1: 0.30 POINT NUMBER 2: 0.30 POINT NUMBER 3: 0.50

POINT NUMBER 4: 0.50 POINT NUMBER 5: 4.00 POINT NUMBER 6: 12.00

ANGLE OF MOVING TEST CART: 0

VEHICLE ORIENTATION ON MOVING CART: 0

DATE: 14-JUL-86

U.S. DEPARTMENT OF TRANSPORTATION
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CRASH AUTOMOBILE RESEARCH SYSTEM
DYNAMIC CRASH FILE CATALOG

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SELECTION CRITERION
VEHDB

VERSION 1 DATA

BARRIER INFORMATION
FOR TEST 592

TYPE OF BARRIER: MEDIAN BARRIER

DIAMETER OF POLE BARRIER: 0.00

RIGID OR YIELDING: RIGID

ADDITIONAL DESCRIPTION OF BARRIER OR ROLLOVER TEST:

DATE: 14-JUL-86

U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
CRASH AUTOMOBILE RESEARCH SYSTEM
DYNAMIC CRASH FILE CATALOG

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SELECTION CRITERION
VEHDB

VERSION 1 DATA

OCCUPANT INFORMATION
FOR TEST 692

VEHICLE CONTAINING OCCUPANT: 1
SEATING POSITION: LEFT FRONT SEAT
OCCUPANT TYPE: PART 572 DUMMY
DUMMY SIZE PERCENTILE: 50 PERCENTILE
AGE: 0 HEIGHT: 0 WEIGHT: 0 SEX: MALE
MANUFACTURER OF DUMMY AND SERIAL NUMBER: ALDERSON 785
CLEARANCE DISTANCES:
HEAD TO WINDSHIELD HEADER: 12.50
HEAD TO SIDE HEADER: 7.00
CHEST TO DASH: 20.50
ARM TO DOOR: 5.50
KNEES TO DASH: 3.50
RESTRAINT: NONE
KNEE RESTRAINT DESCRIPTION: DASH/PANEL
HEAD CONTACT REGION: UNKNOWN
CHEST OR ABDOMEN CONTACT REGION: UNKNOWN
LEG CONTACT REGION: UNKNOWN
HEAD INJURY: 159.080
LOW BOUNDARY: 106.000
UPPER BOUNDARY: 131.000

SEAT POSITION: CENTER POSITION
AIR BAG/BELT DEPLOYMENT: NOT APPLICABLE

DATE: 14-JUL-86

U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
CRASH AUTOMOBILE RESEARCH SYSTEM
DYNAMIC CRASH FILE CATALOG

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SELECTION CRITERION
VEHDB

VERSION 1 DATA

OCCUPANT INFORMATION
FOR TEST 692

VEHICLE CONTAINING OCCUPANT: 1

SEATING POSITION: RIGHT FRONT SEAT

SEAT POSITION: CENTER POSITION

OCCUPANT TYPE: PART 572 DUMMY

DUMMY SIZE PERCENTILE: 50 PERCENTILE

AGE: 0 HEIGHT: 0

WEIGHT: 0 SEX: MALE

MANUFACTURER OF DUMMY AND SERIAL NUMBER:

ALDERSON 786

CLEARANCE DISTANCES:

HEAD TO WINDSHIELD HEADER: 12.50
HEAD TO SIDE HEADER: 7.00
CHEST TO DASH: 20.00
ARM TO DOOR: 5.50
KNEES TO DASH: 2.50

HEAD TO WINDSHIELD: 18.50
HEAD TO SIDE WINDOW: 11.00
CHEST TO STEERING WHEEL: 99.90
HIP TO DOOR: 6.00

RESTRAINT: 3 POINT BELT

AIR BAG/BELT DEPLOYMENT: NOT APPLICABLE

KNEE RESTRAINT DESCRIPTION: DASHBOARD

HEAD CONTACT REGION: UNKNOWN

CHEST OR ABDOMEN CONTACT REGION: UNKNOWN

LEG CONTACT REGION: UNKNOWN

HEAD INJURY: 61.010
LOW BOUNDARY: 98.000

UPPER BOUNDARY: 284.000

SELECTION CRITERION
 VEHDB

VERSION 1 DATA

INSTRUMENTATION INFORMATION
 FOR TEST 692

SENSOR TYPE	SEN. LOC.	OCCUPANT ATTACHMENT	REGION ATTACHED	AXIS	CRVE NO.	NFF	NLP	DAS.	PREF. FREQ.	DATA QUALITY
ACCELEROMETER	1	NOT APPLICABLE	VEHICLE CG	XG	1	0	500	AM	300	
ACCELEROMETER	1	NOT APPLICABLE	VEHICLE CG	YG	2	0	500	AM	300	
ACCELEROMETER	1	NOT APPLICABLE	VEHICLE CG	ZG	3	0	500	AM	300	
ANGULAR VELOCIT	1	NOT APPLICABLE	REAR DECK	XG	4	0	500	AM	300	
ANGULAR VELOCIT	1	NOT APPLICABLE	REAR DECK	YG	5	0	500	AM	300	
ANGULAR VELOCIT	1	NOT APPLICABLE	REAR DECK	ZG	6	0	500	AM	300	
ACCELEROMETER	1	LEFT FRONT SEA	HEAD CG	XG	7	0	500	AM	500	
ACCELEROMETER	1	LEFT FRONT SEA	HEAD CG	YG	8	0	500	AM	500	
ACCELEROMETER	1	LEFT FRONT SEA	HEAD CG	ZG	9	0	500	AM	500	
ACCELEROMETER	1	LEFT FRONT SEA	CHEST	XG	10	0	500	AM	300	
ACCELEROMETER	1	LEFT FRONT SEA	CHEST	YG	11	0	500	AM	300	
ACCELEROMETER	1	LEFT FRONT SEA	CHEST	ZG	12	0	500	AM	300	

SELECTION CRITERION
 VEHDB

VERSION 1 DATA

INSTRUMENTATION INFORMATION
 FOR TEST 592

SENSOR TYPE	SEN. LOC.	OCCUPANT ATTACHMENT	REGION ATTACHED	AXIS	CRVE NO.	NFP	NLP	DAS.	PREF. FREQ.	DATA QUALITY
ACCELEROMETER	1	RIGHT FRONT SE	HEAD CG	XG	13	0	500	AM	500	
ACCELEROMETER	1	RIGHT FRONT SE	HEAD CG	YG	14	0	500	AM	500	
ACCELEROMETER	1	RIGHT FRONT SE	HEAD CG	ZG	15	0	500	AM	500	
ACCELEROMETER	1	RIGHT FRONT SE	CHEST	XG	16	0	500	AM	300	
ACCELEROMETER	1	RIGHT FRONT SE	CHEST	YG	17	0	500	AM	300	
ACCELEROMETER	1	RIGHT FRONT SE	CHEST	ZG	18	0	500	AM	300	