



1081

test report

General Motors Corporation
General Motors Proving Ground
Milford, Michigan 48042

TITLE

MOVING VEHICLE TO PARKED
VEHICLE - RIGHT SIDE IMPACT
AT 90°

SAFETY RESEARCH & DEVELOPMENT LAB
Current Product Engineering

REPORT NO. PG 47985 DATE April 23, 1985

PASSENGER CAR

TEST NO. C-6150

TEST REPORT

PAGE NO. 1

TYPE IMPACT

- ☐ FRONT 0° 30° LEFT 30° RIGHT
☐ VEHICLE TO VEHICLE STRIKING VEHICLE STRUCK VEHICLE
☐ VEHICLE TO
☒ OTHER MOVING BARRIER TO PARKED VEH. VEHICLE DESCRIPTION

REPORT NO. PG
 SRDL TEST NO. C-6150
 TEST DATE Feb. 6, 1985

MAKE	YEAR	BODY TYPE	BODY STYLE	DIVISION CAR NUMBER	BUILD STATUS
Buick	1985	C-body	4CX11	UC420	Modified Production *
ENGINE	CONFIGURATION	V6	DISPLACEMENT	3.0 L	SEAT
	FUEL	Gasoline			
	FUEL INDUCTION	Multiport Injection			
SPARE TIRE	TYPE	Compact			STYLE
FUEL TANK	USABLE CAP	NA L	UNUSABLE CAP	NA L	ADJUSTER TYPE
STRG. COL.	TILT OPTION	YES X NO	T&T OPTION	YES NO X	TRIM MATERIAL
SPECIAL FEATURES:				*Right front passenger door arm rest was removed.	

TEST CONDITIONS

VEHICLE		DUMMIES	
VELOCITY AT IMPACT	0.0 km/h	MAKE	NO.
TEST MASS	FRONT 1021 kg	TYPE	MASS kg
LESS DUMMIES	REAR 600 kg	RESTRAINT	
INCLUDING DUMMIES X	TOTAL 1621 kg	LAT. POS.	mm RELATIVE TO
ENGINE RUNNING	YES NO X	MAKE *GM50 SI	NO. 32
FUEL TANK	TEST VOLUME: CONTENTS Empty	TYPE	50th %ile Male MASS 70.3 kg
	% OF USABLE CAPACITY = -- L	RESTRAINT	Lap & Shoulder Belt
FUEL LINES & CARBURETOR	FILLED YES NO X	LAT. POS.	374 mm RELATIVE TO Vehicle
STEERING COLUMN	TILT POSITION Column removed for test.	MAKE	NO.
	TELESCOPE POSITION NA	TYPE	MASS kg
SEAT	POSITION MID - DOWN	RESTRAINT	
HEAD REST	POSITION DOWN	LAT. POS.	mm RELATIVE TO
VEHICLE ATTITUDE	J = DRIVER SIDE 220 mm PASSENGER SIDE 220 mm	TEST CONFIGURATION:	
	K = DRIVER SIDE 214 mm PASSENGER SIDE 214 mm	See Page 2 for Test Configuration	
COMMENTS:			

RECORDED DATA

VEHICLE DATA -- See Page 2		DUMMY DATA	
ROCKER PANEL AVERAGE ACCELERATION	FRAME ACCELERATION	HEAD TRIAXIAL ACCELERATION	DR RF
FLOOR PAN AVERAGE ACCELERATION	ENGINE ACCELERATION	CHEST TRIAXIAL ACCELERATION	X
BARRIER FACE LOAD CELLS		CHEST DEFLECTION	X
STEERING COLUMN DISPLACEMENT		PELVIC TRIAXIAL ACCELERATION	X
RADIATOR TIE BAR ACCELERATION		FEMUR LOAD	
COWL ACCELERATION		OUTBOARD LAP BELT LOAD	
CRASH SENSORS		SHOULDER BELT LOAD	
STEERING COLUMN COMPRESSION		NECK LOADS	
VOLTAGES		SPINE TRIAXIAL ACCEL.	X
CURRENTS		DUMMY CONTACTS	X
TOE PAN DISPLACEMENT		RIB LATERAL ACCELERATION	X
"A" PILLAR DISPLACEMENT		RIB LATERAL DISPLACEMENT	X

PHOTOGRAPHIC COVERAGE

OFFBOARD	DRIVER SIDE	PASSENGER SIDE	X	OVERHEAD	X	HOOD		GLOVE BOX	
ONBOARD	UNDERBODY	FUEL TANK		OVERALL	X	DOCUMENTARY		IMPACT AREA	X
OTHER	UNDERDASH	DRIVER		RIGHT FRONT PASSENGER	X	STEERING COLUMN		RT FRONT DOOR	X

NA NOT APPLICABLE ND NOT DETERMINED

RECORDED VEHICLE DATA

(STRUCK VEHICLE)

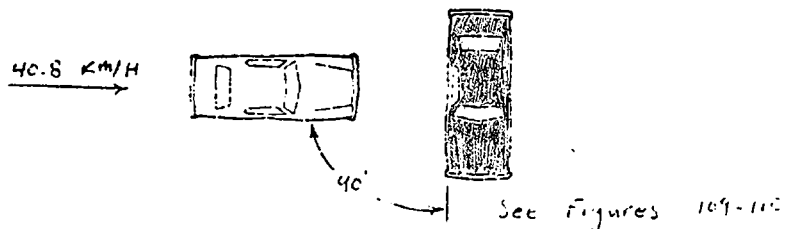
- o Right side door triaxial acceleration at Points A, B, and C
- o Driver side door lateral acceleration at Point A'
- o Right side B-pillar lateral displacement
- o Driver side floorpan triaxial acceleration
- o Right side trunk triaxial acceleration

(STRIKING VEHICLE)

- o Front triaxial acceleration
- o Mid triaxial acceleration

TEST CONFIGURATION

The longitudinal centerline of the striking vehicle is aligned with point "C" on the right front door of the struck vehicle. Point "C" is 298 mm rearward of the fiducial point. The bumper height of the striking vehicle was 394 mm from the bottom edge to ground.

TEST DUMMY MODIFICATION

The dummies' right arm, shoulder clavicle, Ensolite chest pad, leather bib, and all leather sternum stiffeners were removed prior to test. Padding to right shoulder clavicle cavity, two rib potentiometers, one lower spine accelerometer and two rib accelerometers were added to the dummy for additional data. The total weight of the dummy was 70.3 kg.

STRIKING VEHICLE DESCRIPTION

NHTSA-developed crushable moving barrier with energy-absorbing face. The absorbing face is made of Hexcel and was developed to give the same characteristics as the crush of a 1980 GM X-body.

Test Weight: Front -- 897 kg; Rear -- 452 kg; Total -- 1349 kg.

STRUCK VEHICLETRANSDUCER LOCATIONS

<u>POINT</u>	<u>Location of Point Measured</u>	<u>Coordinates Relative to Nearest Fiducial Point (mm)</u>	<u>Ref. Photo Fig. No.</u>
A	Right side door - inner panel, inner surface.	446 rwd, 546 up	<u>118-119</u>
A'	Driver side door - inner panel, inner surface.	466 rwd, 546 up	_____
B	Right side door - inner panel, inner surface.	382 rwd, 375 up	<u>118-119</u>
C	Right side door - inner panel, inner surface.	298 rwd, 204 up	<u>118-119</u>
	Center "B" pillar - inner panel, right side at beltline.	ND	
	Floorpan inner surface - driver side.	ND	
	Truck inner surface - passenger side.	ND	

STRIKING VEHICLE NO. _____
STRUCK VEHICLE BY _____

REPORT NO. PG. _____
SRDL TEST NO. C-6150

		YES	NO	PARTIAL	OTHER	FIG.	NOTE	
FRONT SHEET METAL	HOOD LATCH (S) REMAINED ENGAGED - PRIMARY	X						
	- SECONDARY	X						
	HOOD HINGE ASSEMBLIES INTACT	X						
	HOOD HINGE REMAINED ATTACHED	X						
	FENDERS REMAINED ATTACHED TO BODY	X						
FRONT SHEET METAL CONTACTED WINDSHIELD DAYLIGHT OPENING SURFACE			X					
	FRONT SHEET METAL PENETRATED WINDSHIELD PLASTIC LAMINATE IN DAYLIGHT OPENING AREA		X					
DOORS	ALL EXTERIOR DOORS REMAINED CLOSED	X						
	ALL EXTERIOR DOORS REMAINED LATCHED	X						
	ALL EXTERIOR DOOR HINGES REMAINED INTACT	X						
INTERIOR	FRONT SEAT (S) REMAINED IN PRE-TEST ADJUSTMENT POSITION	X					1	
	FRONT SEAT ADJUSTERS REMAINED ATTACHED TO BODY	X						
	SEAT BACK LOCKS REMAINED LATCHED				NA			
	REAR SEAT CUSHIONS REMAINED ATTACHED				NA		2	
	INSTRUMENT PANEL REMAINED ATTACHED			X				
	GLOVE BOX DOOR REMAINED CLOSED	X						
DRIVE	ENGINE MOUNTS REMAINED ATTACHED	X						
	TRANSMISSION MOUNT (S) REMAINED ATTACHED	X						
	DRIVE SHAFT DEFORMED				NA		3	
	DIFFERENTIAL HOUSING SEPARATED				NA		3	
	REAR AXLE TUBE DEFORMED				NA		4	
BODY	BODY TO FRAME OR CRADLE MOUNTS REMAINED ATTACHED	X						
	SPARE TIRE REMAINED IN PLACE	X						
	WINDSHIELD 100% RETAINED	X						
FUEL SPILLAGE DURING OR AFTER IMPACT							NA	5
NOTES: 1. Driver side seat was removed prior to test. 2. Removed prior to test. 3. Front wheel drive. 4. Independent suspension. 5. Fuel tank was empty for the test.								

PAGE NO. 5

SRDL TEST NO. C-6150

VEHICLE DATA

<u>Residual Lateral Displacement</u>	<u>Displacement (mm)</u>
(Door Outer Surface)	
Right side door at occupant shoulder (Point A)	225
Right side door at occupant mid torso (Point B)	297
Right side door at occupant hip (Point C)	356
(Door Inner Surface)	
Right side door at occupant shoulder (Point A)	254
Right side door at occupant mid torso (Point B)	300
Right side door at occupant hip (Point C)	271

DUMMY LOCATION IN VEHICLE

The following values reflect the dummy location in the test vehicle in corporate body coordinates. The location is determined relative to the vehicle front fiducial mark (front outboard seat anchor stud).

		<u>BODY COORDINATES (mm)</u>	
		<u>LONGITUDINAL</u>	<u>VERTICAL</u>
<u>DRIVER</u>			
	HEAD	<u>NA</u>	<u>NA</u>
	HIP	<u>NA</u>	<u>NA</u>
	KNEE	<u>NA</u>	<u>NA</u>
<u>RIGHT FRT PASSENGER</u>			
	HEAD	<u>3244</u>	<u>1352</u>
	HIP	<u>3083</u>	<u>682</u>
	KNEE	<u>2681</u>	<u>752</u>

Dummy Lateral Location: 374 mm relative to vehicle C/L.

Comments: _____

ACCELERATIONS, VELOCITIES & DISPLACEMENTS (STRUCK VEHICLE)

FIGURE
NUMBER

RIGHT FRONT DOOR AT POINT A, B, C

1-9 ACCELERATIONS
10-18 1ST INTEGRATION OF ACCELERATION
19-27 2ND INTEGRATION OF ACCELERATION

DRIVER SIDE FLOORPAN:

28-30 ACCELERATIONS
31-33 1ST INTEGRATION OF ACCELERATION
34-36 2ND INTEGRATION OF ACCELERATION

RIGHT SIDE TRUNK:

37-39 ACCELERATIONS
40-42 1ST INTEGRATION OF ACCELERATION
43-45 2ND INTEGRATION OF ACCELERATION

DRIVER SIDE DOOR AT POINT A':

46 ACCELERATION
47 1ST INTEGRATION OF ACCELERATION
48 2ND INTEGRATION OF ACCELERATION

RIGHT SIDE 'B' PILLAR AT THE BELTLINE:

49 DISPLACEMENT
50 1ST DIFFERENTIATION OF DISPLACEMENT

VEHICLE INSTRUMENTATION (STRUCK VEHICLE)

RIGHT FRONT DUMMY:

51 HEAD ACCELERATION
52 CHEST ACCELERATION
53 PELVIC ACCELERATION
54 LOWER SPINE ACCELERATION
55-56 RIB ACCELERATION
57-58 RIB DISPLACEMENT
59 CONTACTS

ACCELERATIONS, VELOCITIES & DISPLACEMENTS (STRIKING VEHICLE)

FIGURE
NUMBER

BARRIER FRONT:

60-66 ACCELERATIONS
67-73 1ST INTEGRATION OF ACCELERATION
74-80 2ND INTEGRATION OF ACCELERATION

BARRIER MID:

81-87 ACCELERATIONS
88-94 1ST INTEGRATION OF ACCELERATION
95-101 2ND INTEGRATION OF ACCELERATION

FILM ANALYSIS

102 STRUCK VEHICLE VELOCITY
103 STRIKING VEHICLE VELOCITY
104 STRUCK VEHICLE ANGLE RELATIVE TO GROUND
105 STRIKING VEHICLE ANGLE RELATIVE TO GROUND
106 NHTSA BARRIER ANGLE RELATIVE TO STRUCK VEHICLE ANGLE
107 NHTSA BARRIER RELATIVE TO STRUCK VEHICLE VELOCITY
108 NHTSA BARRIER RELATIVE TO STRUCK VEHICLE DISPLACEMENT

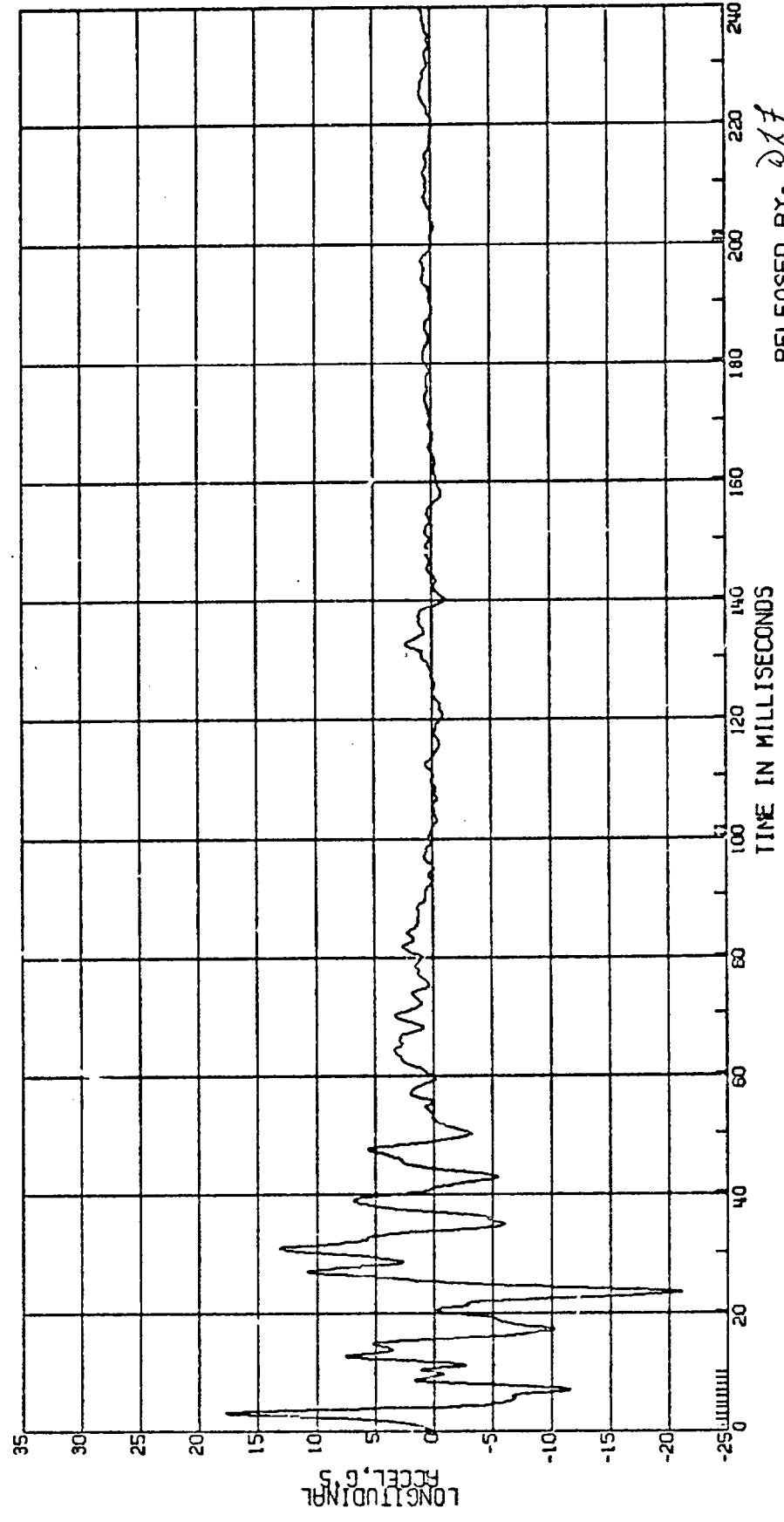
PHOTOGRAPH INDEXFIG. NO.PRE-TEST PHOTOGRAPHS

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111-114	Closeup - Impact Area
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117	Front View of Dummy and Interior - Struck Vehicle
118-119	Right Side Door Accelerometers at Points A, B, C - Struck Vehicle
120-122	Underbody Closeups - Struck Vehicle
123-124	Closeups of NHTSA Barrier Crushable Face - Striking Vehicle

POST-TEST PHOTOGRAPHS

125-126	OVERALL OF STRUCK VEHICLE WITH STRIKING VEHICLE FACE
127-128	CLOSEUP IMPACT AREA
129-130	CLOSEUP OF IMPACTED AREA OF STRUCK VEHICLE
131	DUMMY AND INTERIOR WITH DUMMY - STRUCK VEHICLE
132	INTERIOR WITHOUT DUMMY, SEATS AND DOOR PANEL - STRUCK VEHICLE
133	CLOSEUP OF PASSENGER DOOR WITH SIDE PANEL REMOVED - STRUCK VEHICLE
134	OVERALL UNDERBODY - STRUCK VEHICLE
135-136	CLOSEUPS OF HEXCELL FACE - STRIKING VEHICLE

C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE /
3865-015
FISHER BODY UC420 4CX11 STRUCK RT FRT DOOR (A) ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:02-06-85



C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 2

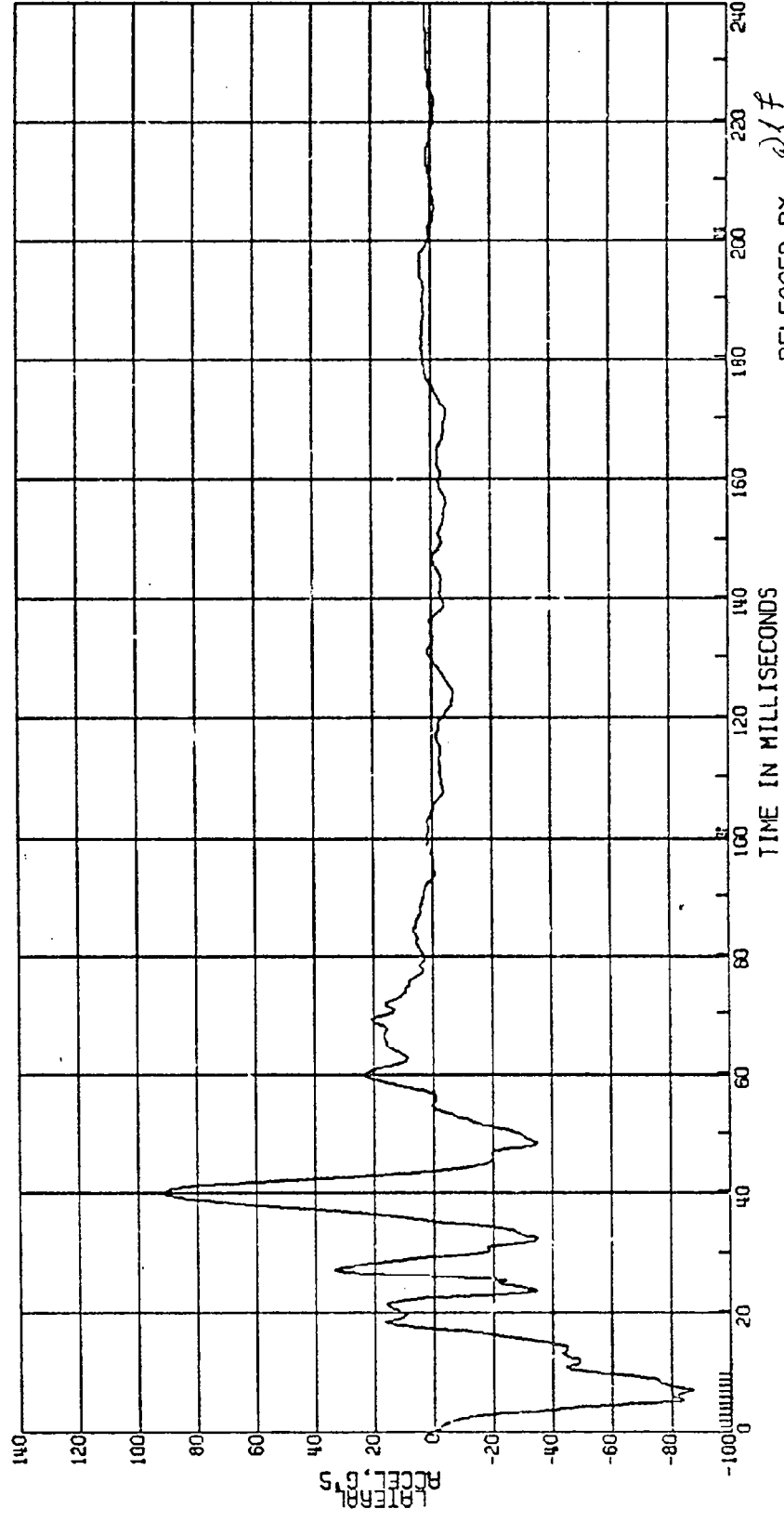
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FISHER BODY UC420 4CX11 STRUCK

RT FRT DOOR (A) ACCEL.

TEST DATE: 02-06-85

A-D DATA SAE CLASS 60



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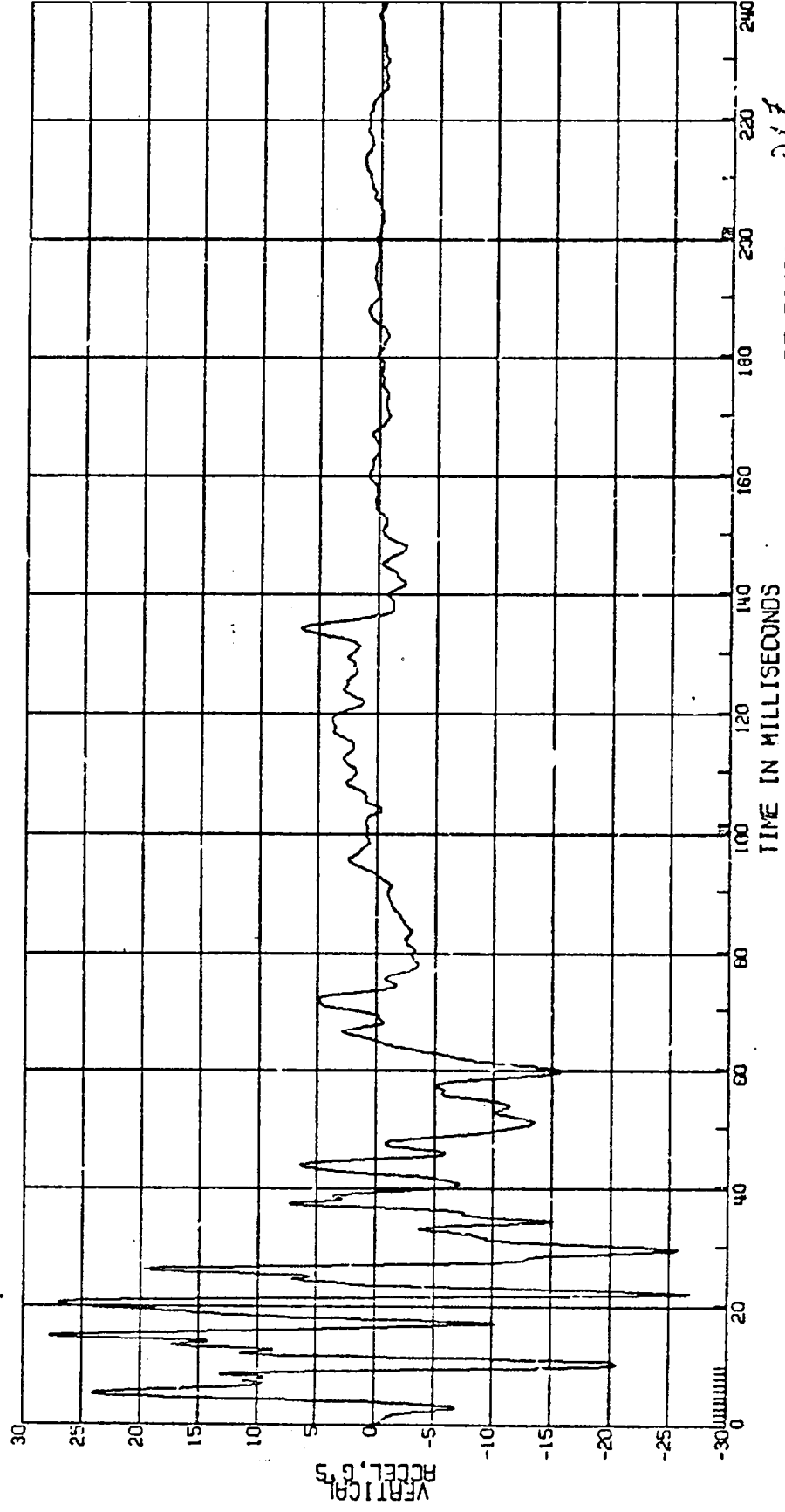
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C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 60

MOVING BARRIER TO PARKED VEHICLE
RT FRT DOOR (A) ACCEL.

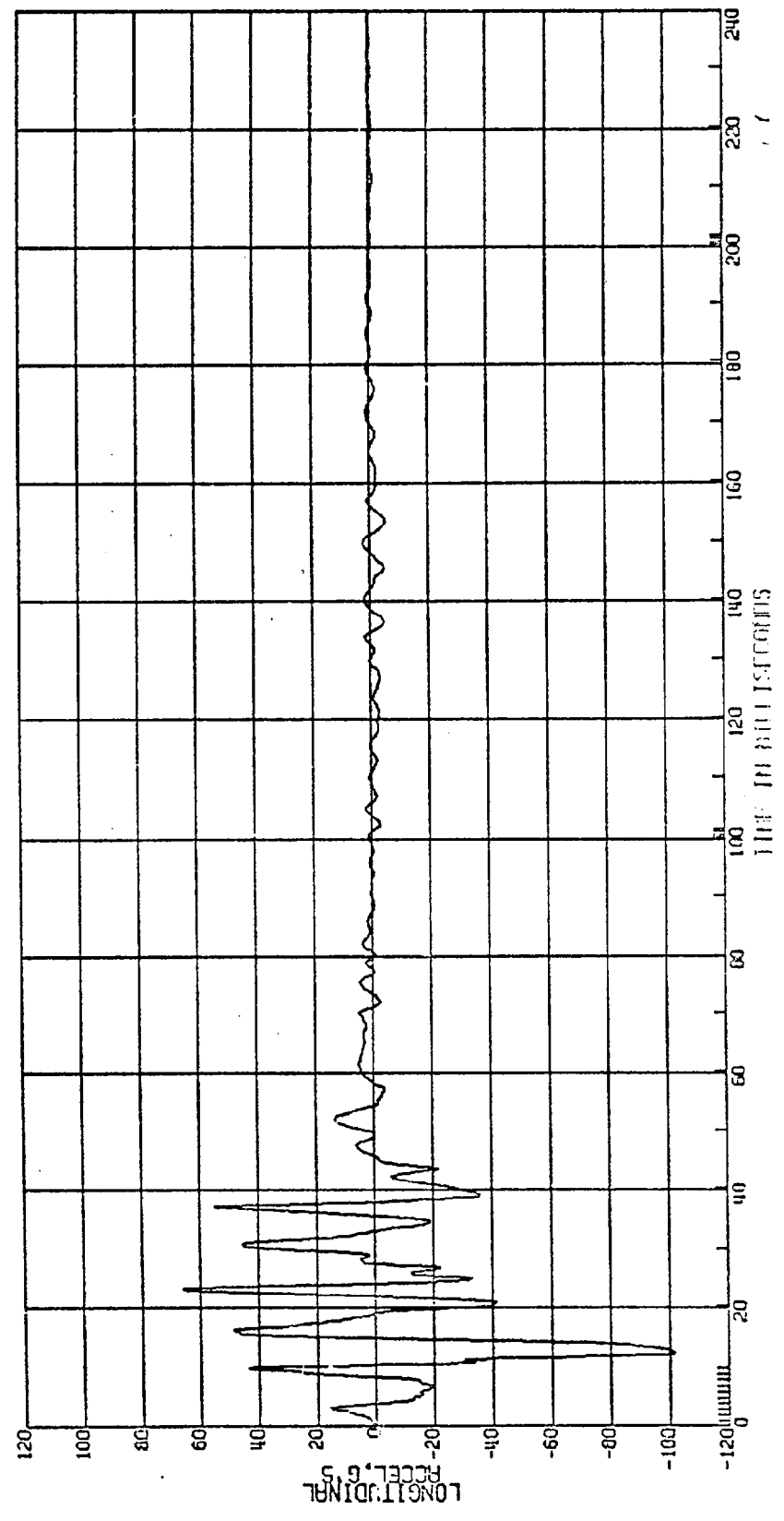
40.8KM/H FIGURE 3

TEST DATE:02-06-85

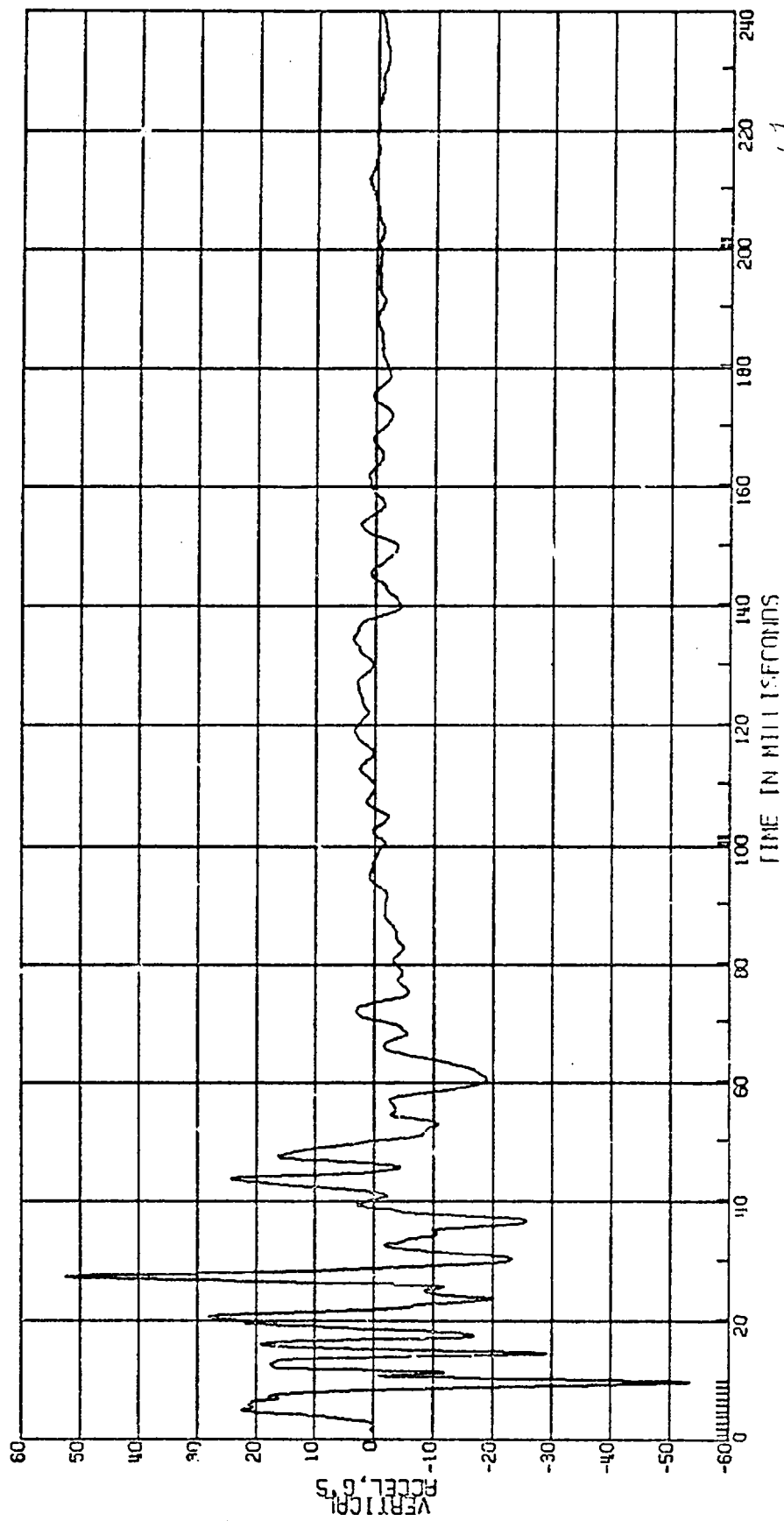


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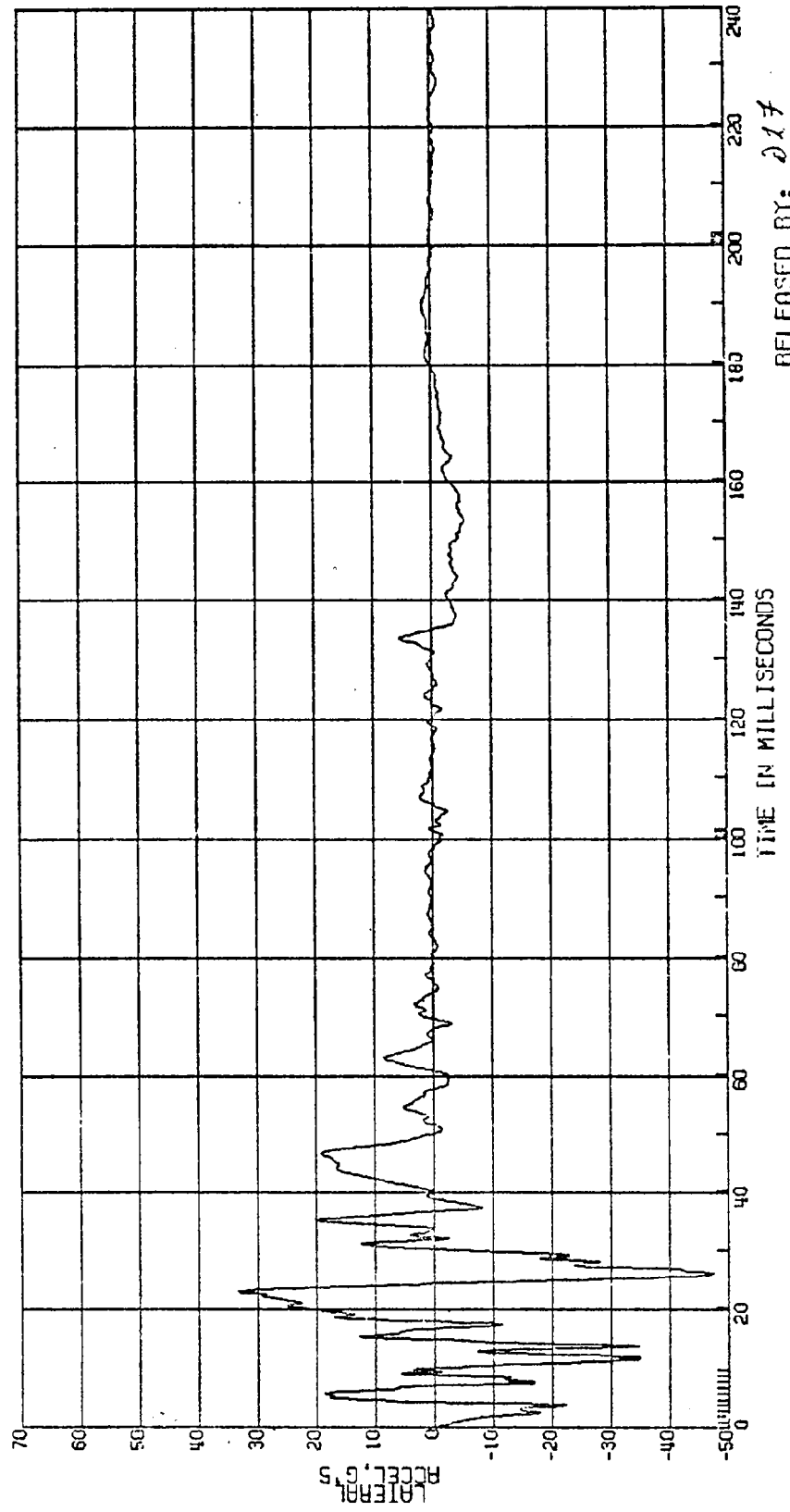
C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 7
 3865-015
 FISHER BODY UC420 4CX11 STRUCK RT FRT DOOR (B) ACCEL.
 A-D DATA SAE CLASS 60 TEST DATE: 02-06-85



C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 4
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FISHER BODY UC420 4CX11 STRUCK RT FRT DOOR (B) ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:02-06-85

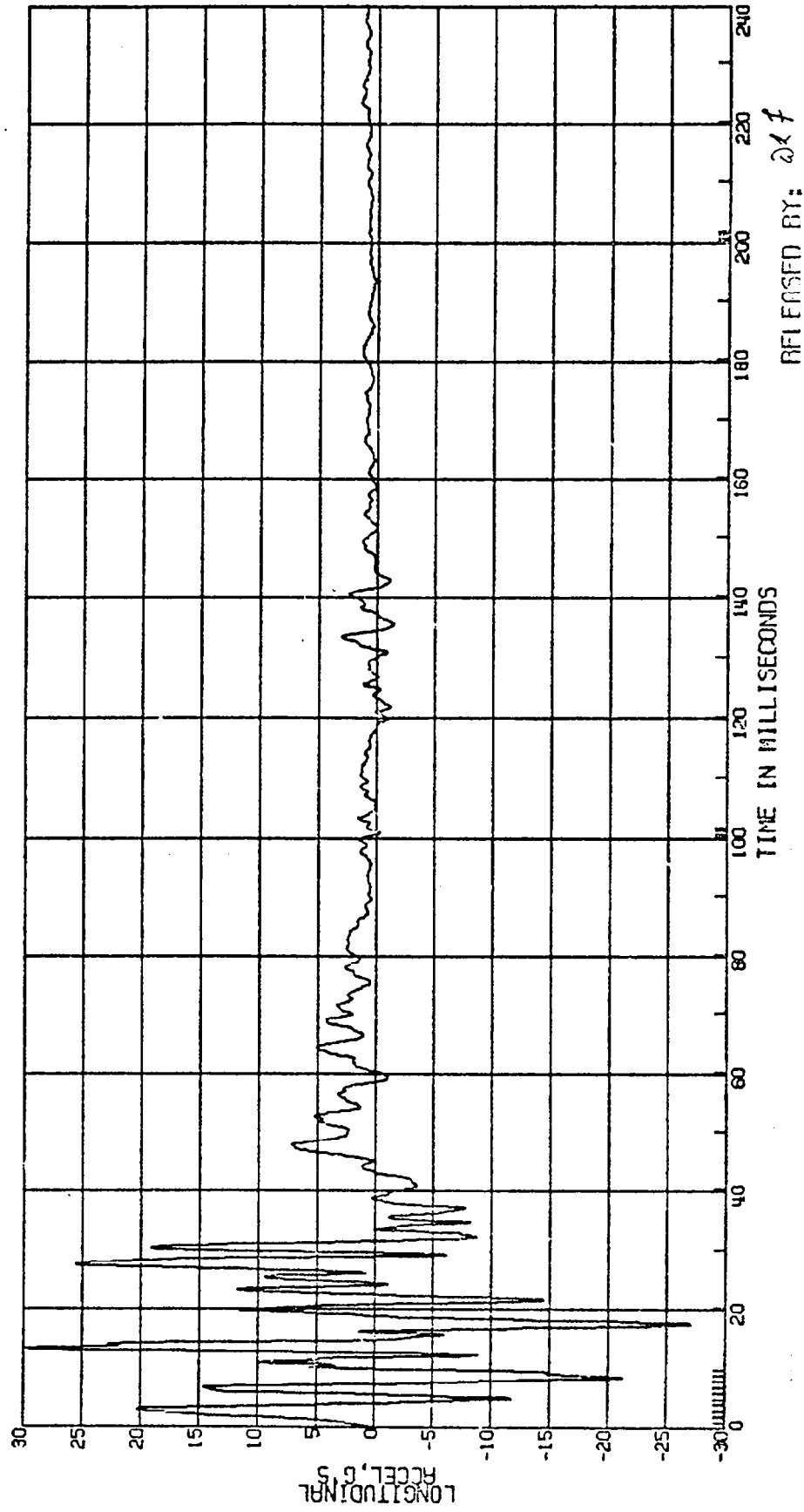


C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 5
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 60 RT FRT DOOR (B) ACCEL. TEST DATE: 02-06-85

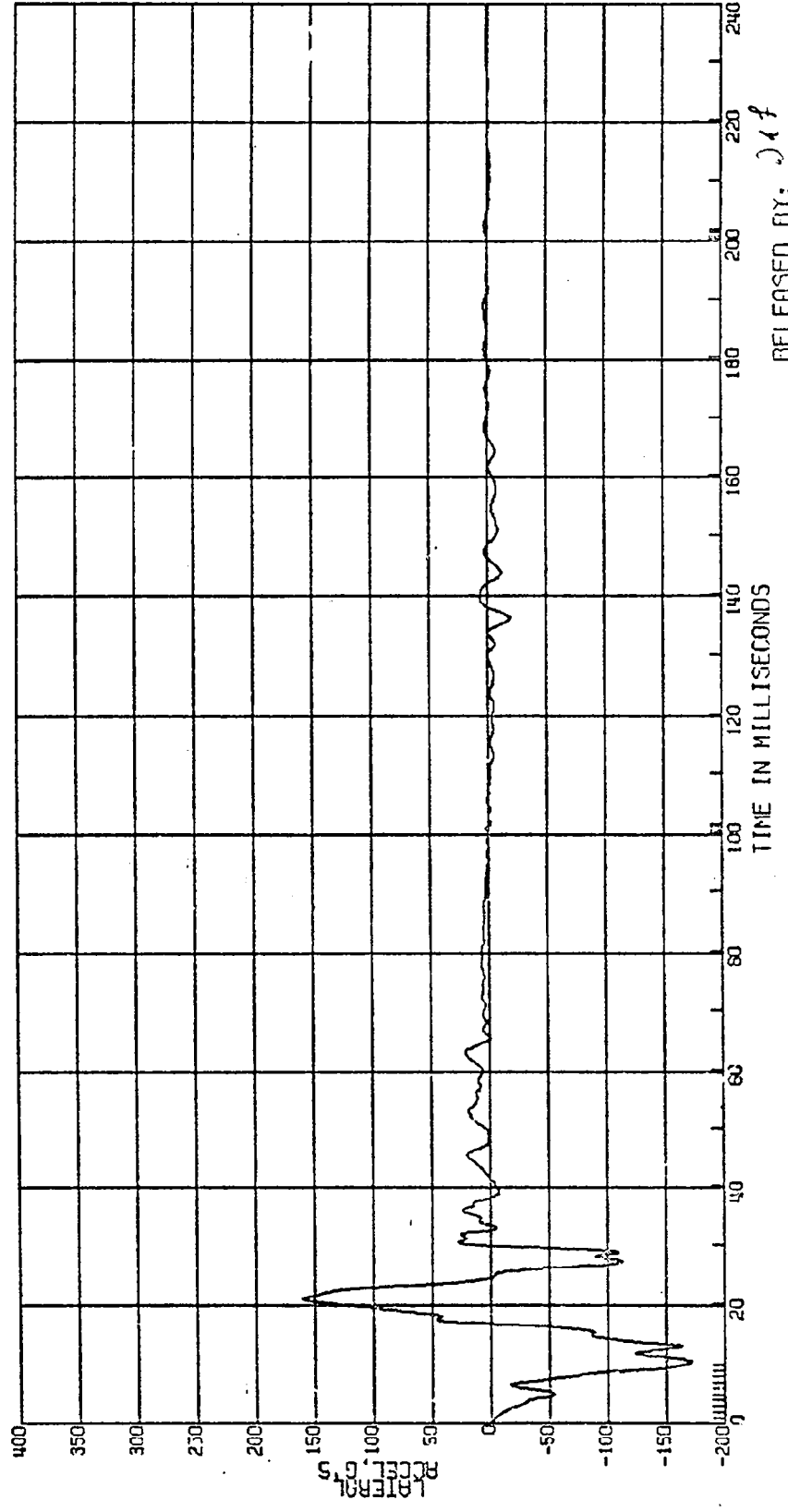


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C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 7
3865-015
FISHER BODY UC420 4CX11 STRUCK RT FRT DOOR (C) ACCEL.
A-D DATA SAE CLASS 60 TEST DATE: 02-06-85



C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 8
 3865-015 RT FRT DOOR (C) ACCEL.
 FISHER BODY UC420 UCX11 STRUCK
 A-D DATA SAE CLASS 60 TEST DATE: 02-06-85



C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 9

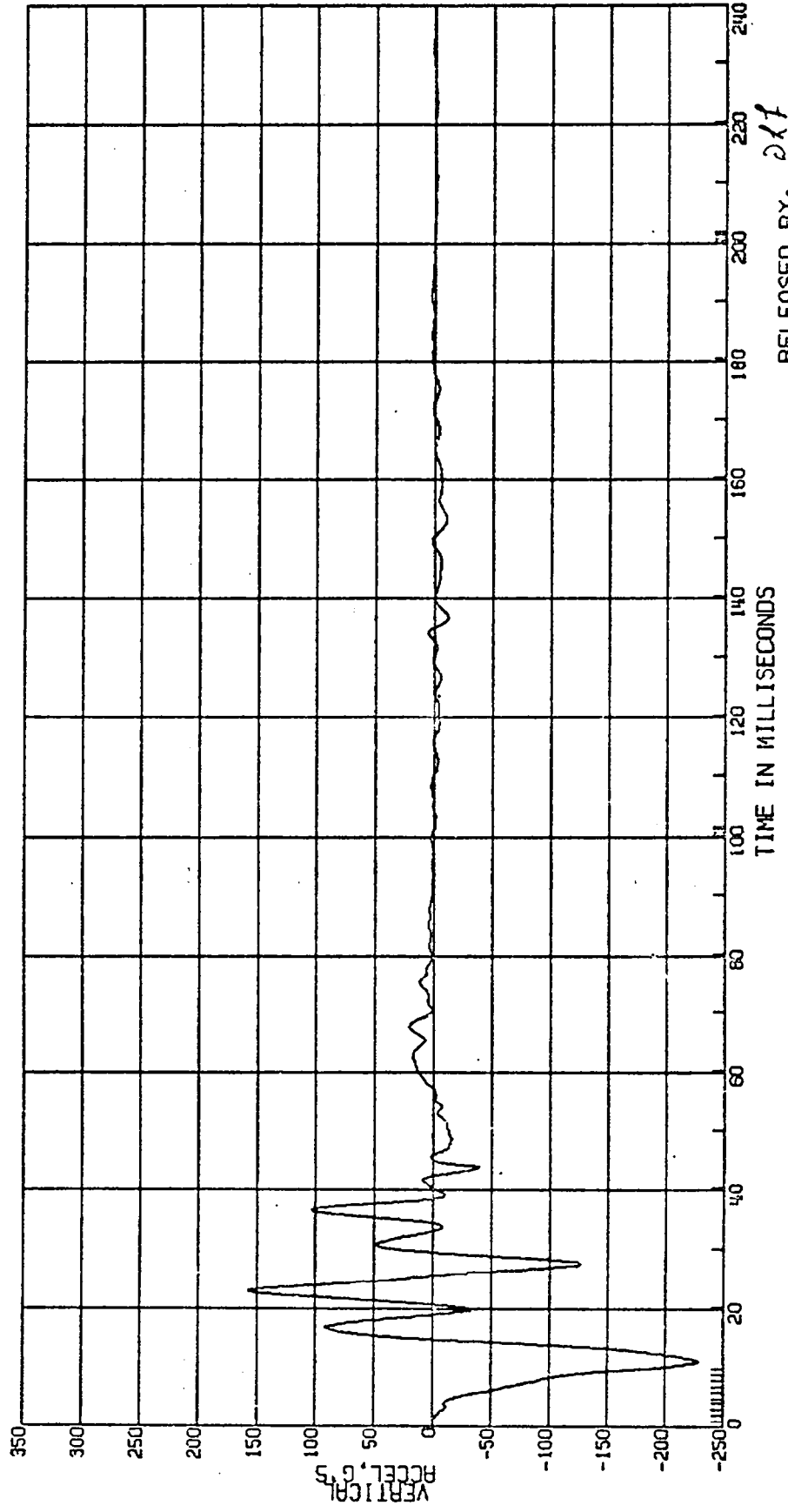
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FISHER BODY UC420 4CX11 STRUCK

RT FRT DOOR (C) ACCEL.

TEST DATE: 02-06-85

A-D DATA. SAE CLASS 60

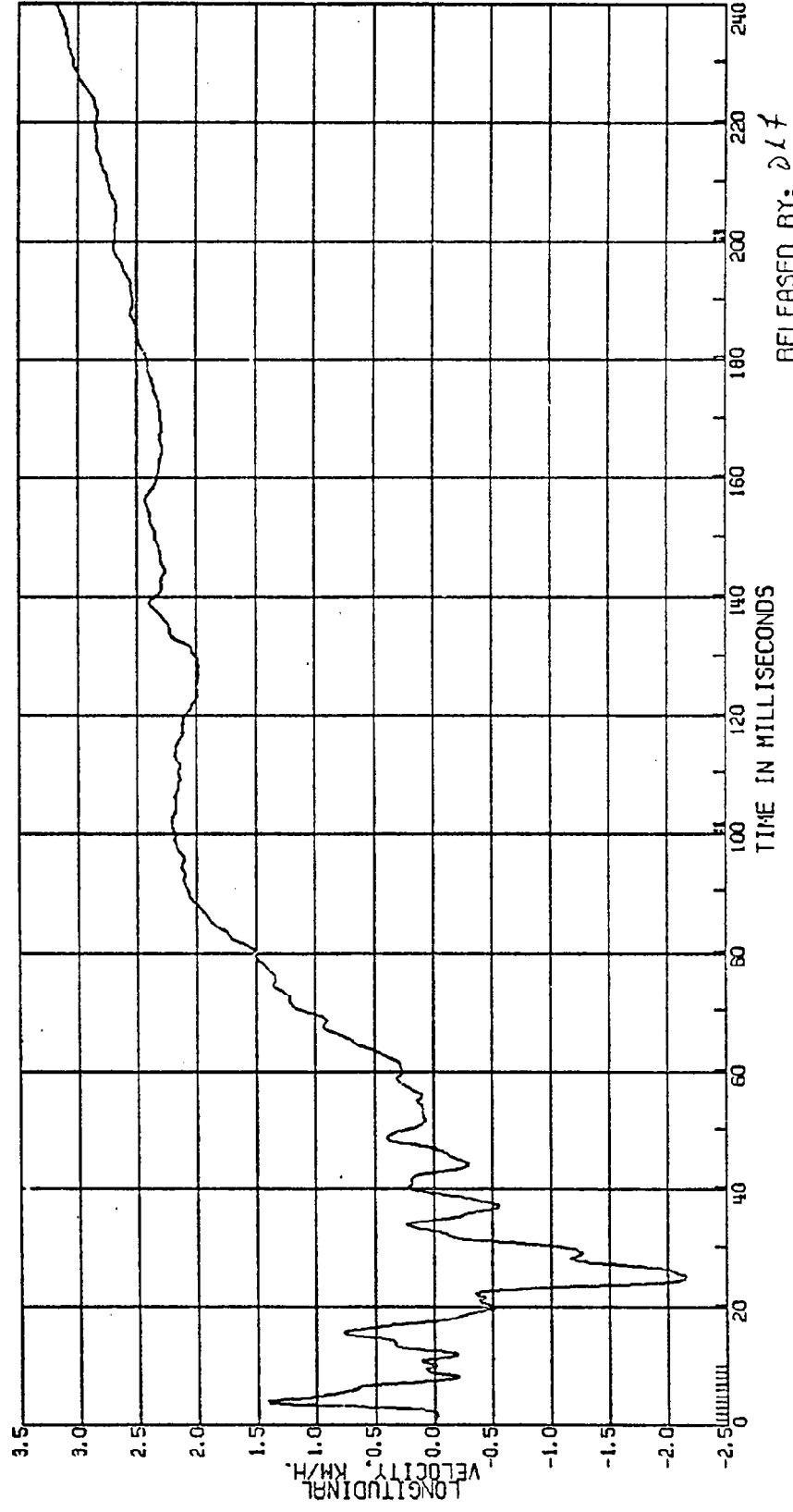


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C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 10
COMPUTED AT FRT DOOR (A) VELOCITY
(1ST INTEGRAL ACCELERATION)
TEST DATE: 02-06-85

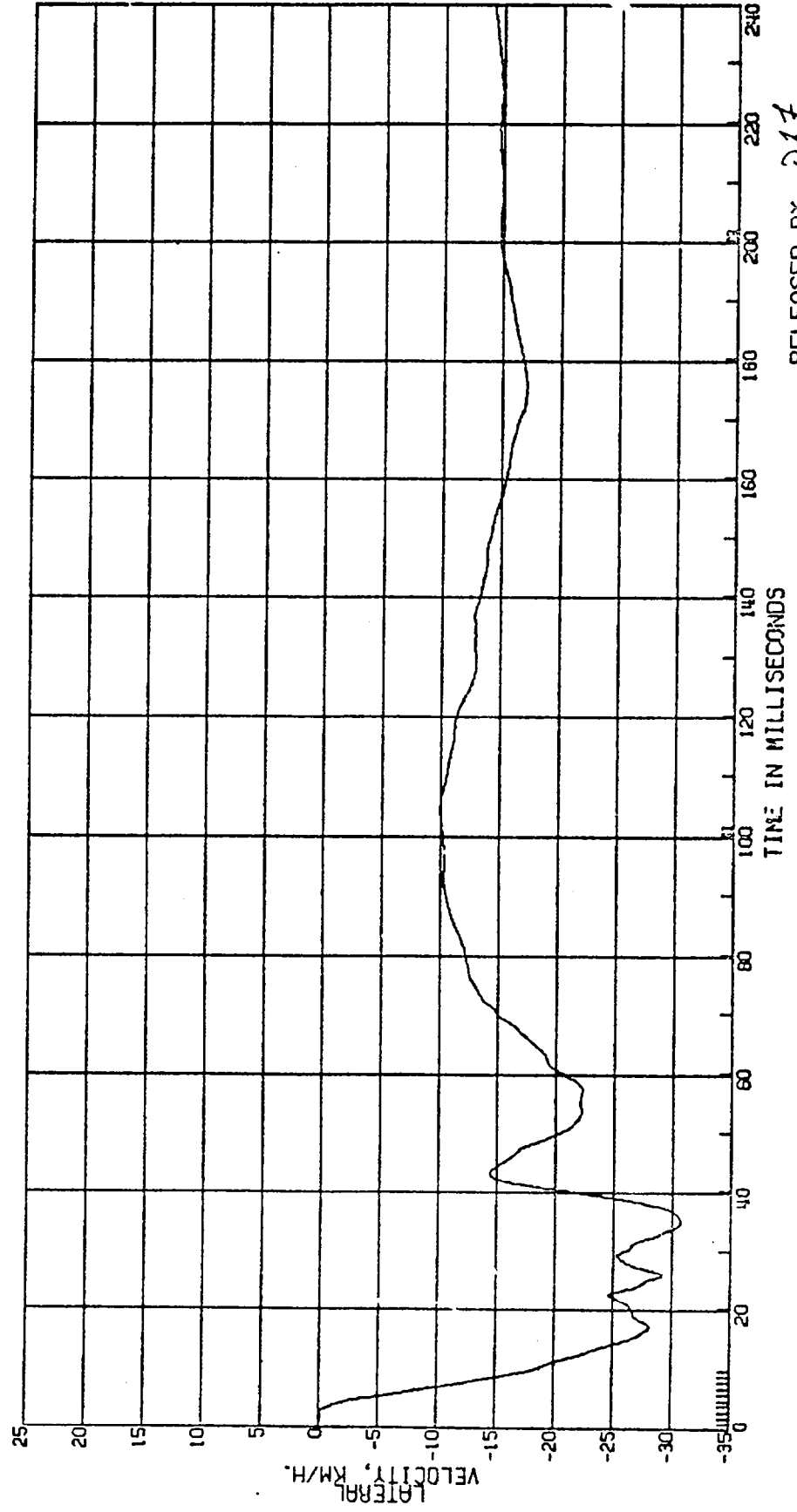


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C6150R RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 11
COMPUTED RT FRT DOOR (A) VELOCITY
(1ST INTEGRAL ACCELERATION)

TEST DATE:02-06-85



CG150R RIGHT SIDE IMPACT

3865-015

FISHER BODY UC420 4CX11 STRUCK

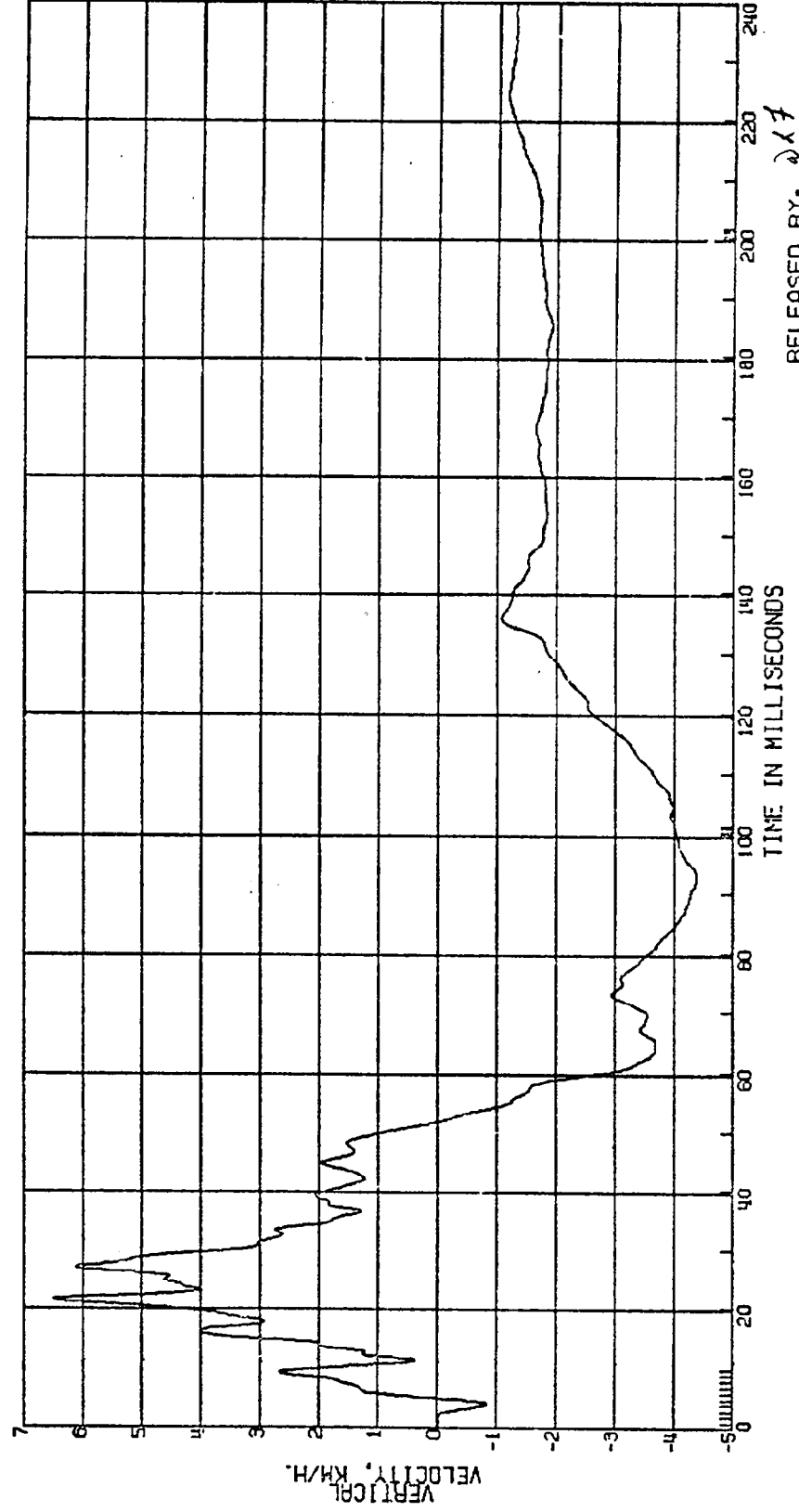
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8 KM/H FIGURE 12

COMPUTED RT FRT DOOR (A) VELOCITY

(1ST INTEGRAL ACCELERATION)

TEST DATE: 02-06-85



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C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 13

3865-015

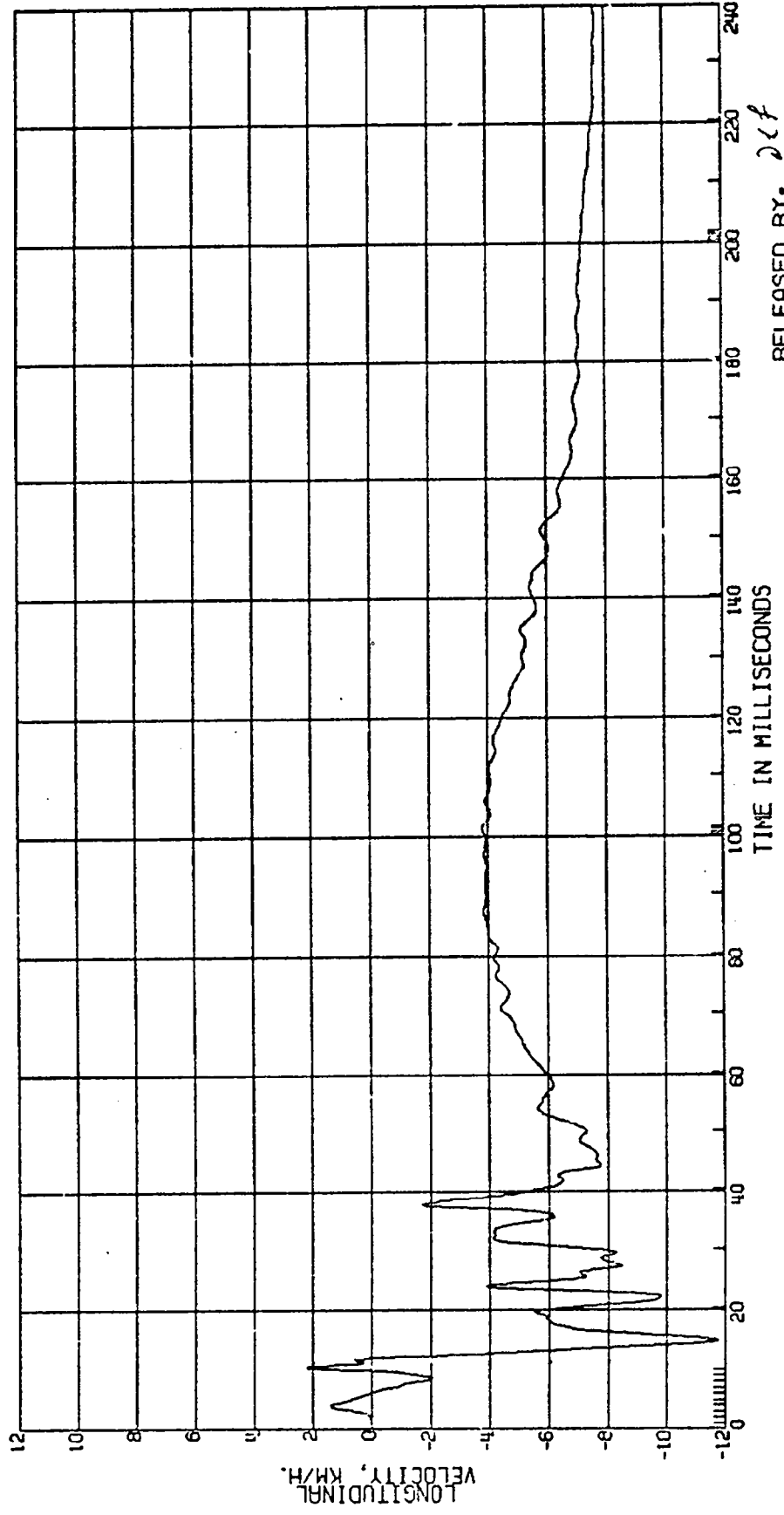
FISHER BODY UC420 4CX11 STRUCK

COMPUTED RT FRT DOOR (B) VELOCITY

TEST DATE:02-06-85

A-D DATA SAE CLASS 180

(1ST INTEGRAL ACCELERATION)

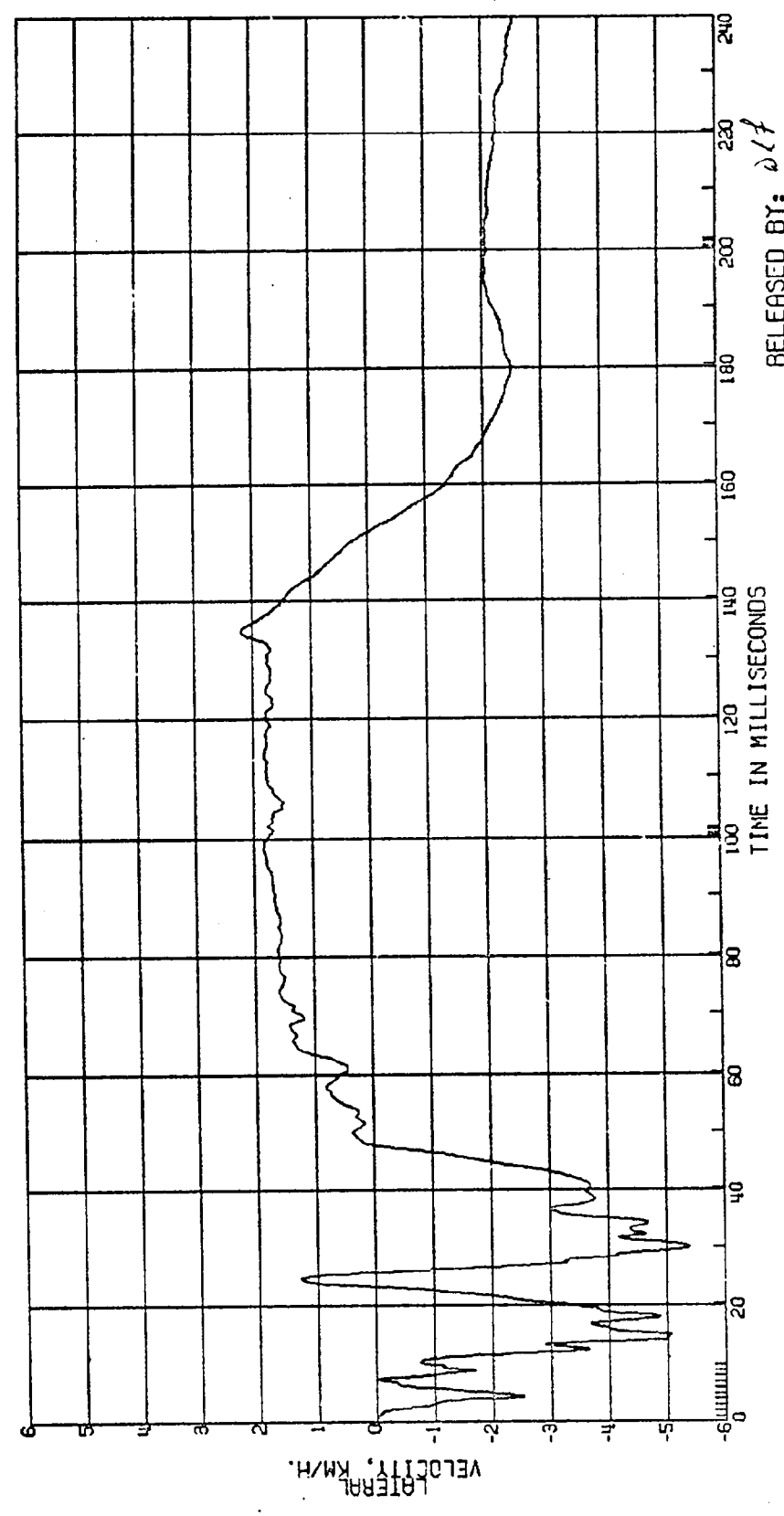


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C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

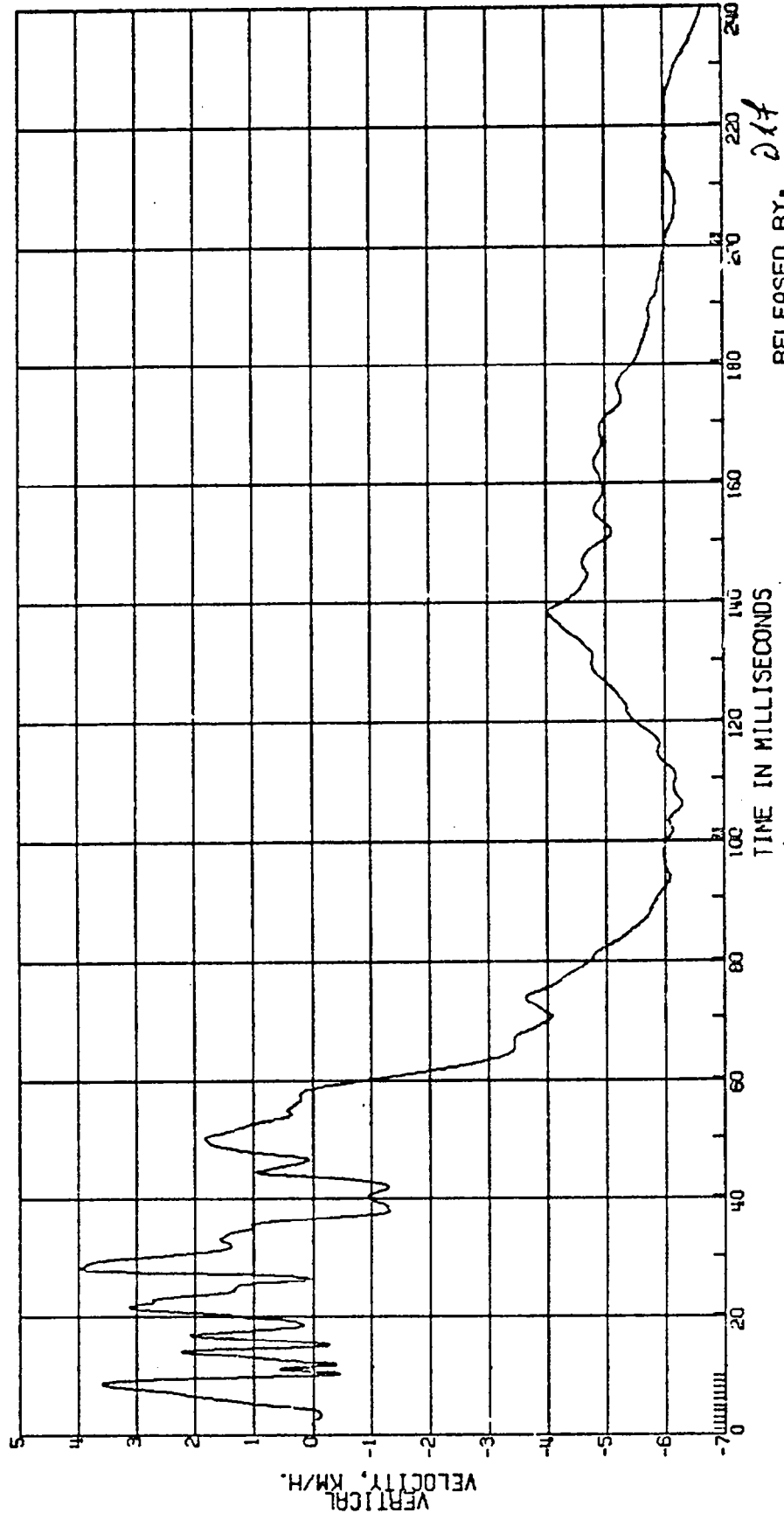
MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 14
COMPUTED AT FRT DOOR (B) VELOCITY
(1ST INTEGRAL ACCELERATION)
TEST DATE: 02-06-85



C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 15
COMPUTED RT FRT DOOR (B) VELOCITY
(1ST INTEGRAL ACCELERATION)

TEST DATE: 02-06-85



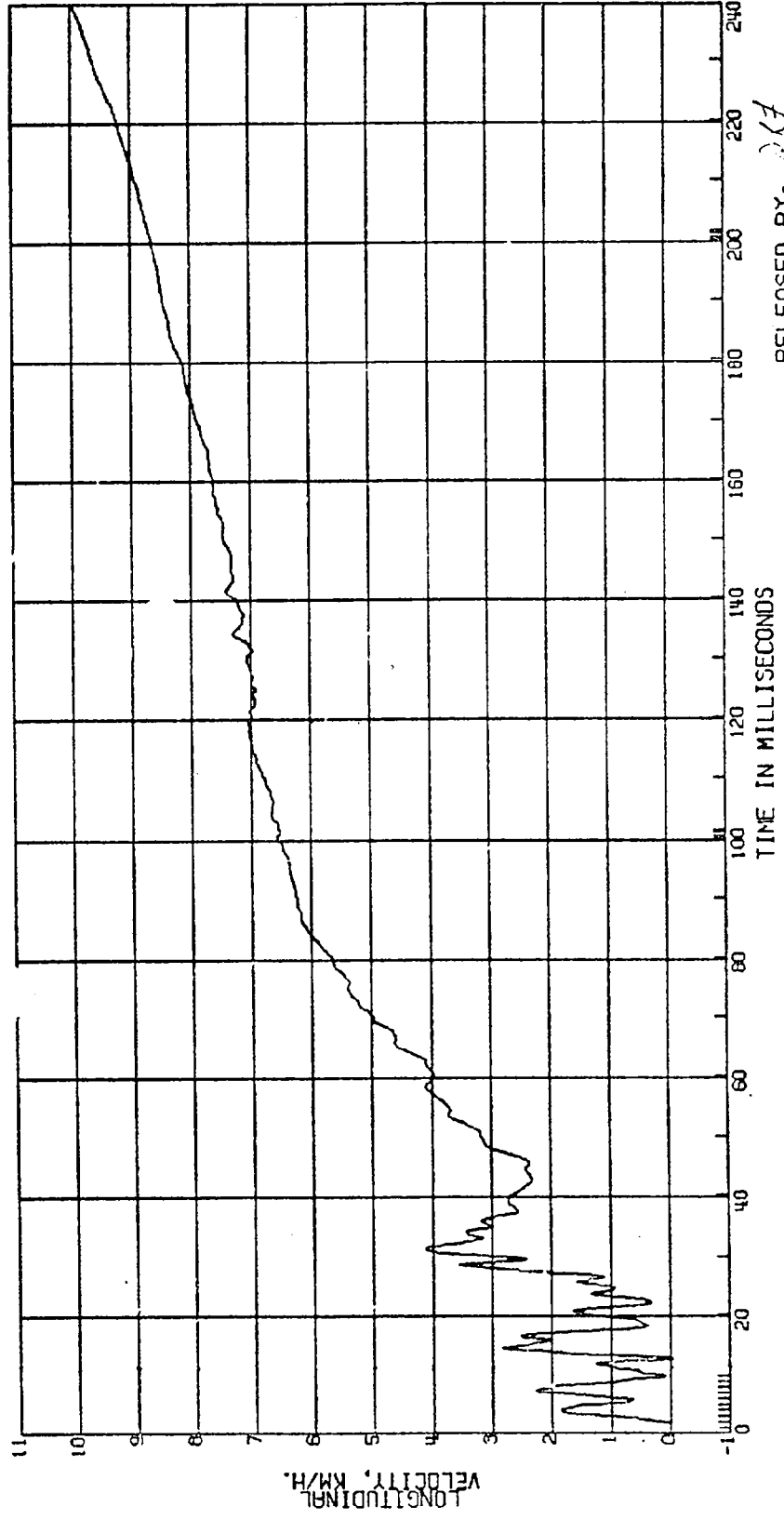
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C6150A RIGHT SIDE IMPACT
3665-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 16
COMPUTED AT FRT DOOR (C) VELOCITY
TEST DATE:02-06-85

(1ST INTEGRAL ACCELERATION)



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C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 17

3865-015

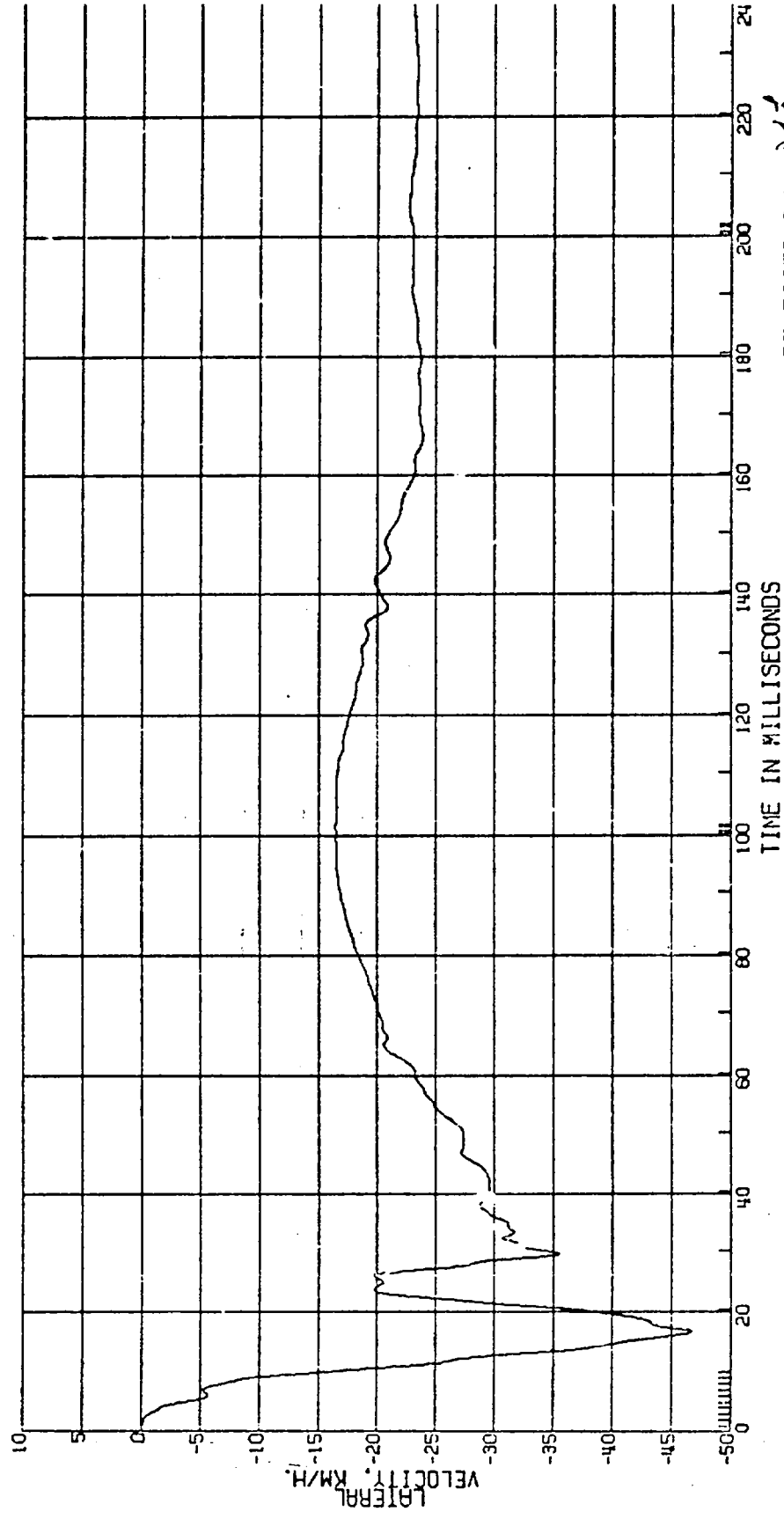
FISHER BODY UC420 4CX11 STRUCK

COMPUTED RT FRT DOOR (C) VELOCITY

TEST DATE:02-06-85

A-D DATA SAE CLASS 180

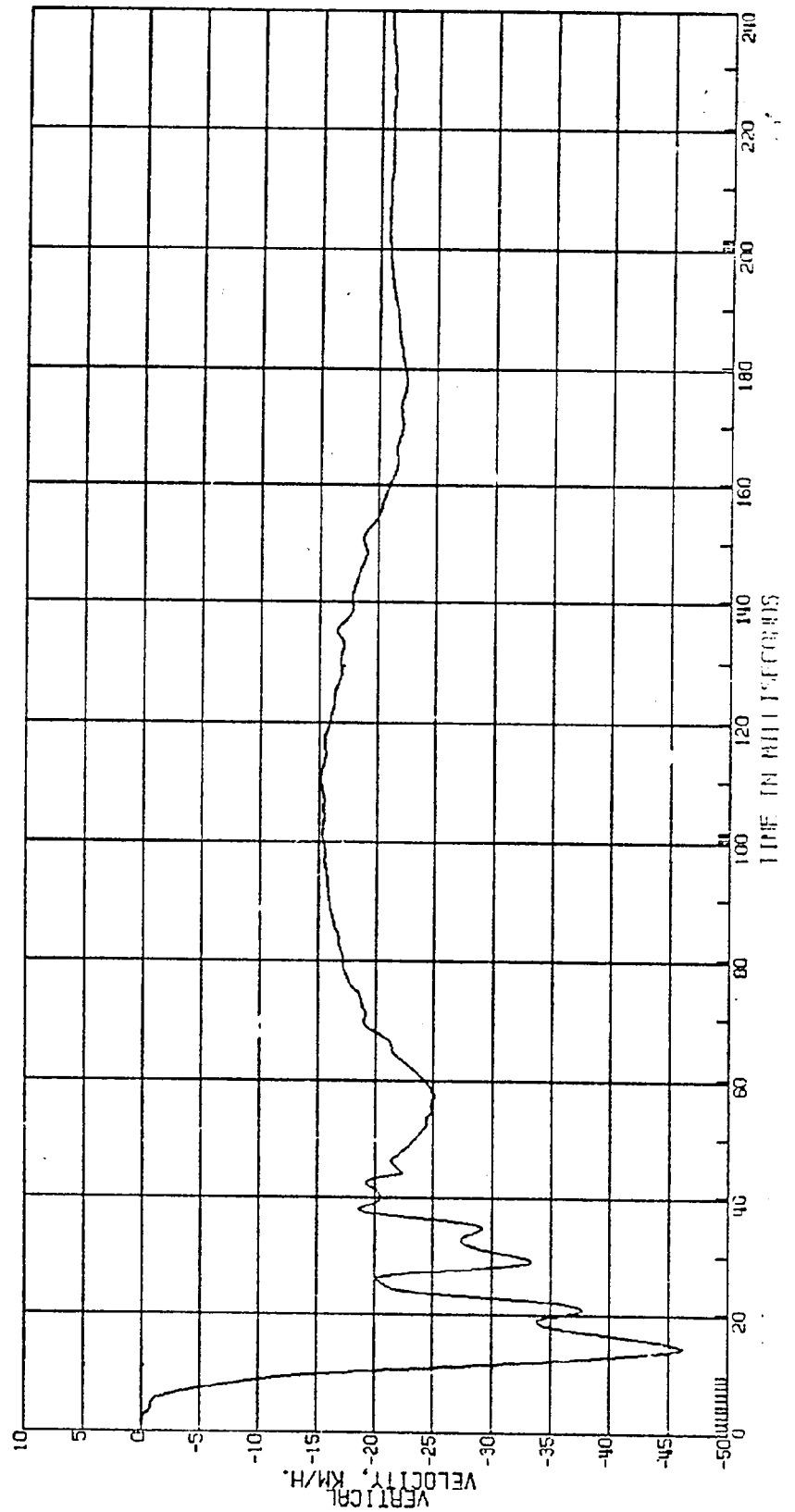
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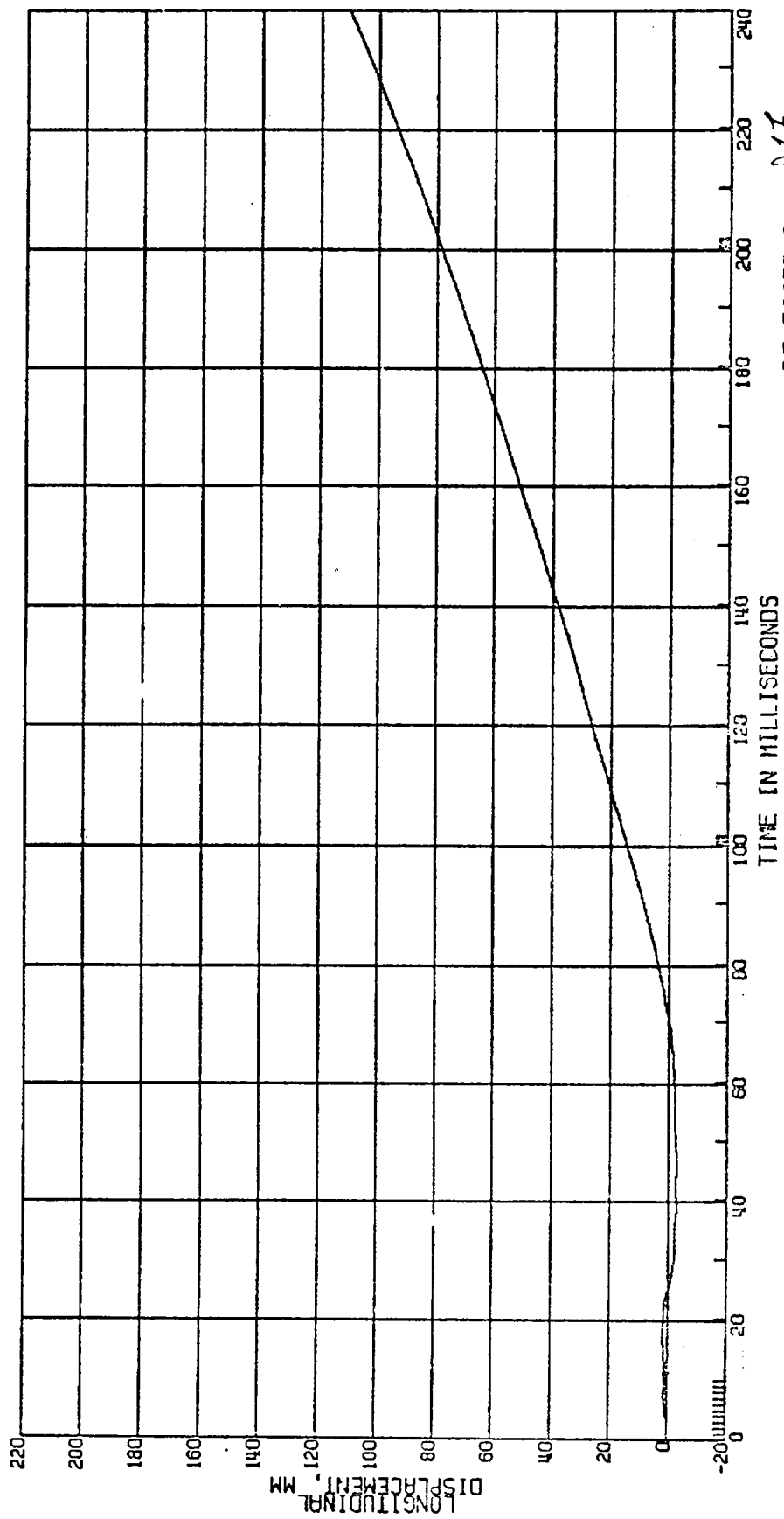
C6150A RIGHT SIDE IMPACT
 3865-015
 FISHBAY BODY UC420 4CX11 STRUCK
 R-D DATA SAE CLASS 180
 MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 18
 COMPUTED AT FRT DOOR (C) VELOCITY
 (1ST INTEGRAL ACCELERATION)
 TEST DATE:02-06-85



C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

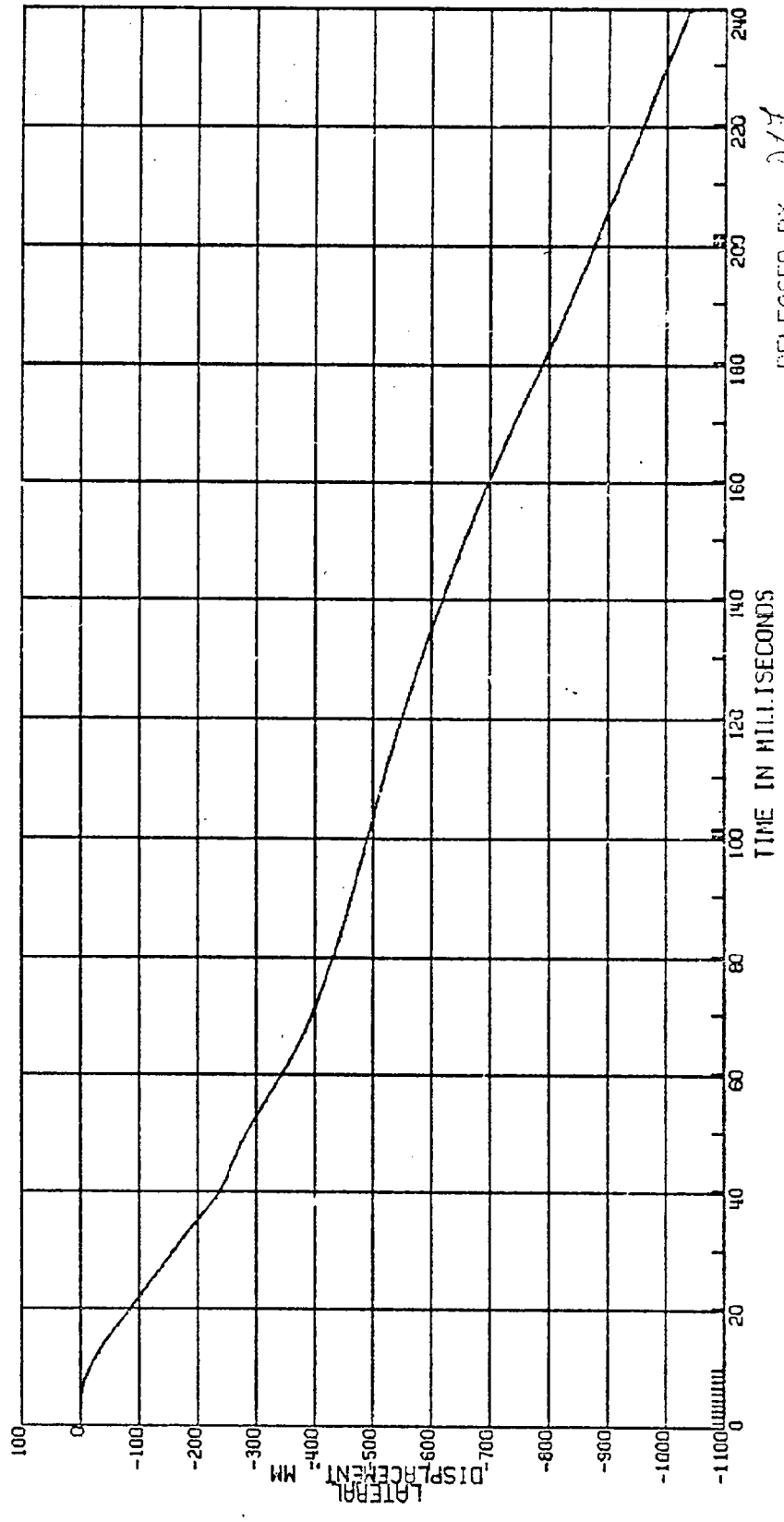
MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 19
COMPUTED AT FRT DOOR (A) DISPLACEMENT
TEST DATE: 02-06-85

(2ND INTEGRAL ACCELERATION)



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C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 20
 3865-015
 FISHER BODY UC420 4CX11 STRUCK COMPUTED AT FRT DOOR (A) DISPLACEMENT TEST DATE:02-06-85
 A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)

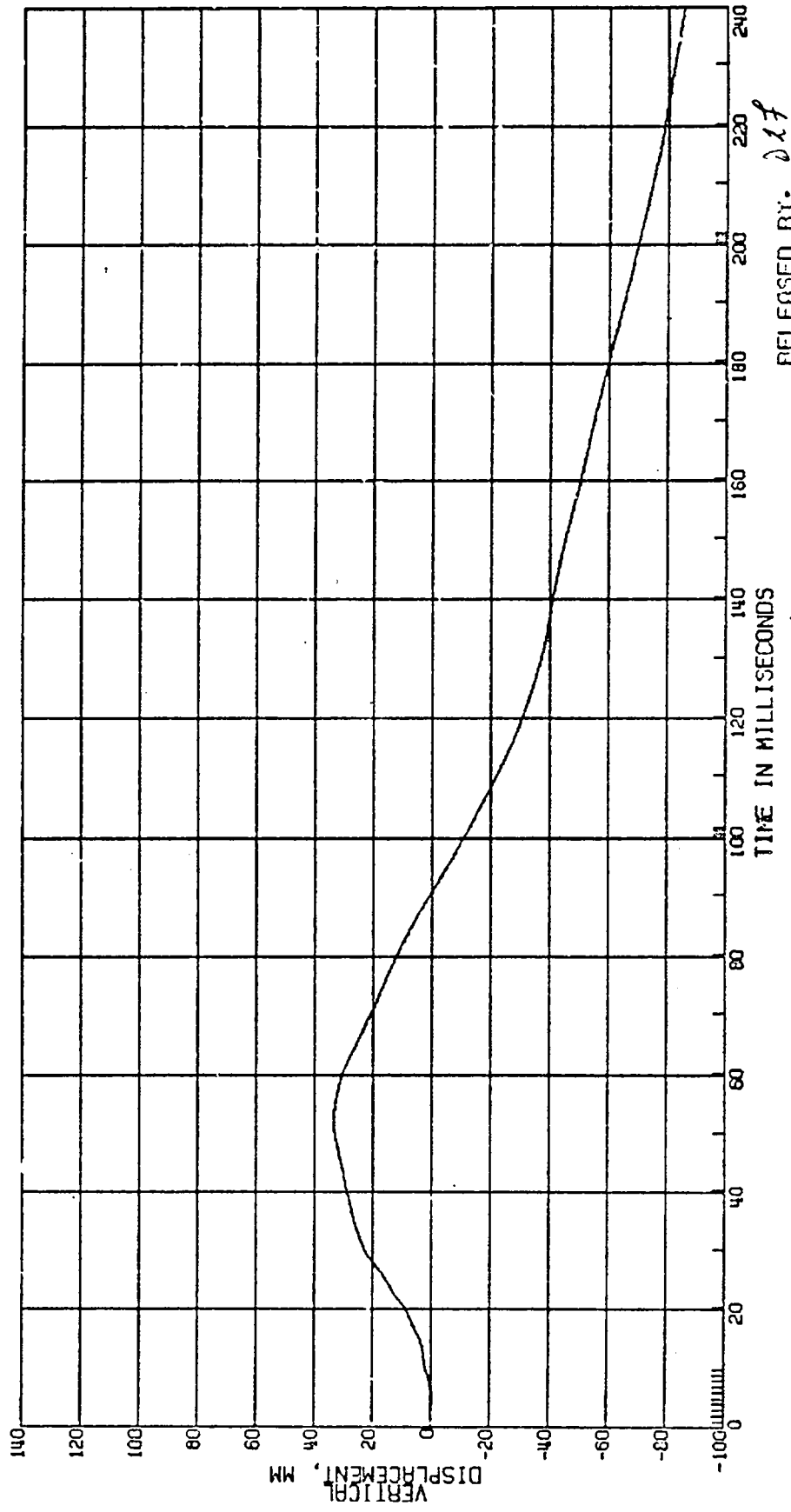


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C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

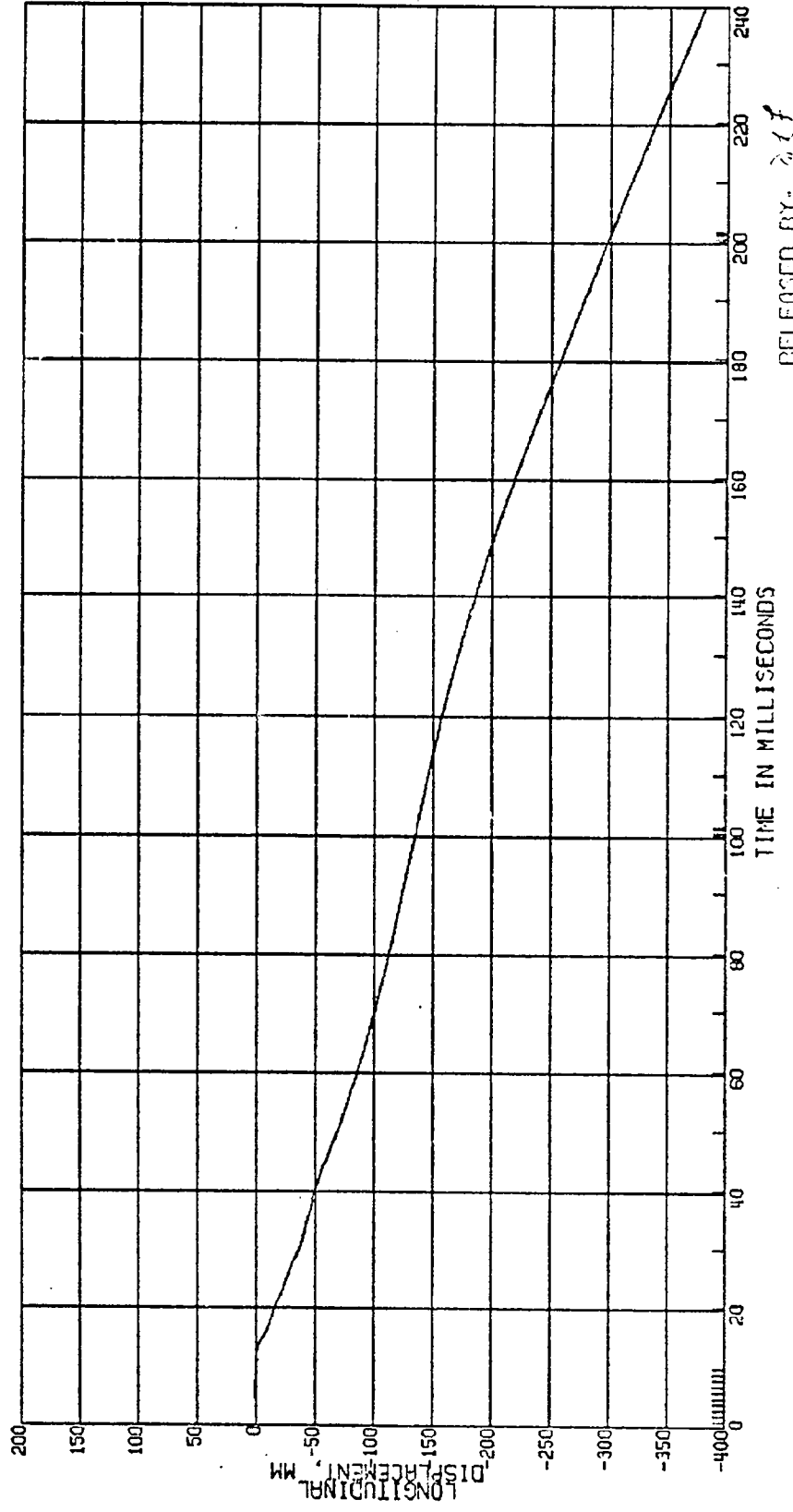
MOVING BARRIER TO PARKED VEHICLE
COMPUTED RT FAT DOOR (A) DISPLACEMENT
(2ND INTEGRAL ACCELERATION)

40.8KM/H FIGURE 2/
TEST DATE:02-06-85

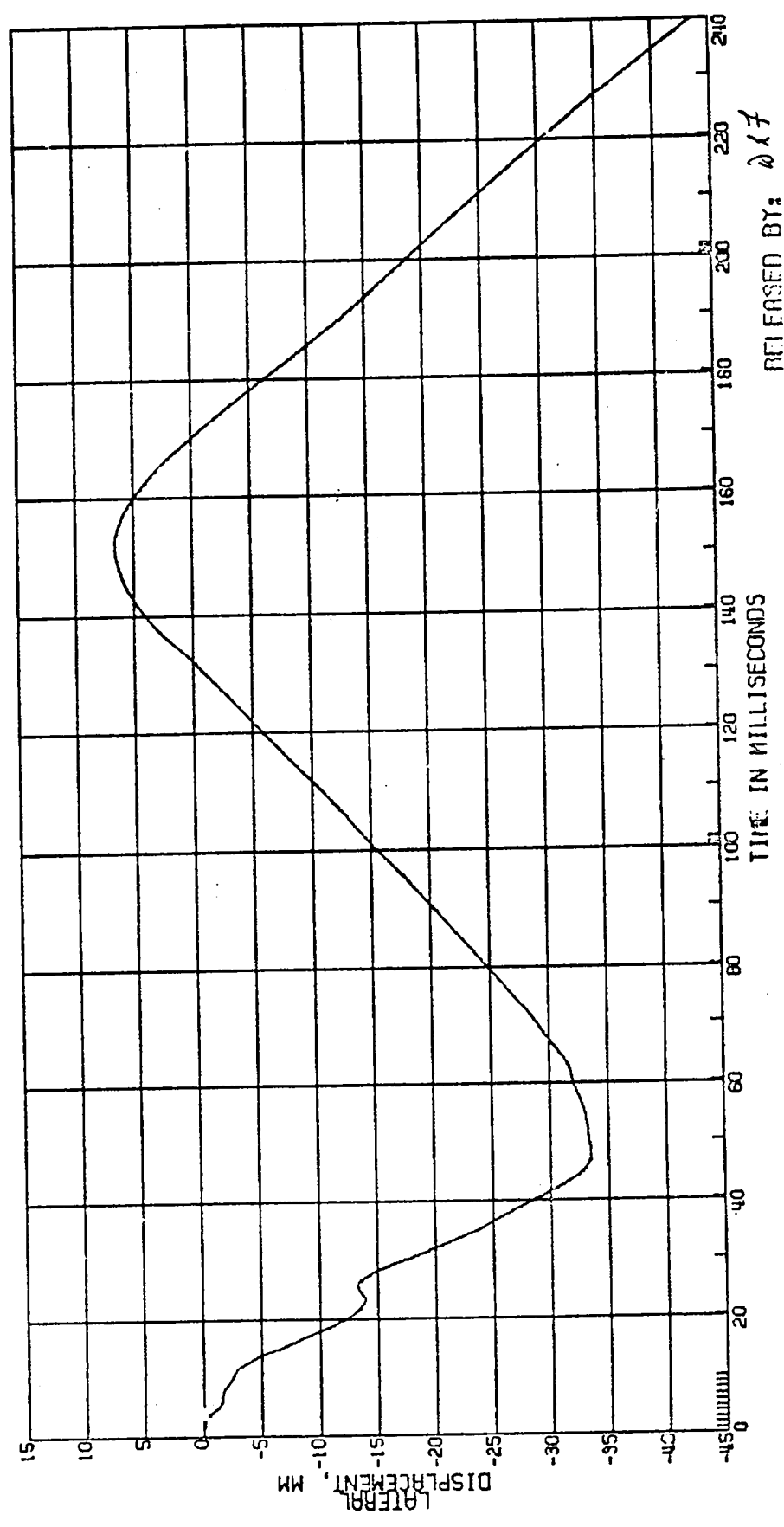


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C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 22
3865-015
FISHER BODY UC420 4CX11 STRUCK COMPUTED RT FRT DOOR (B) DISPLACEMENT TEST DATE:02-06-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)

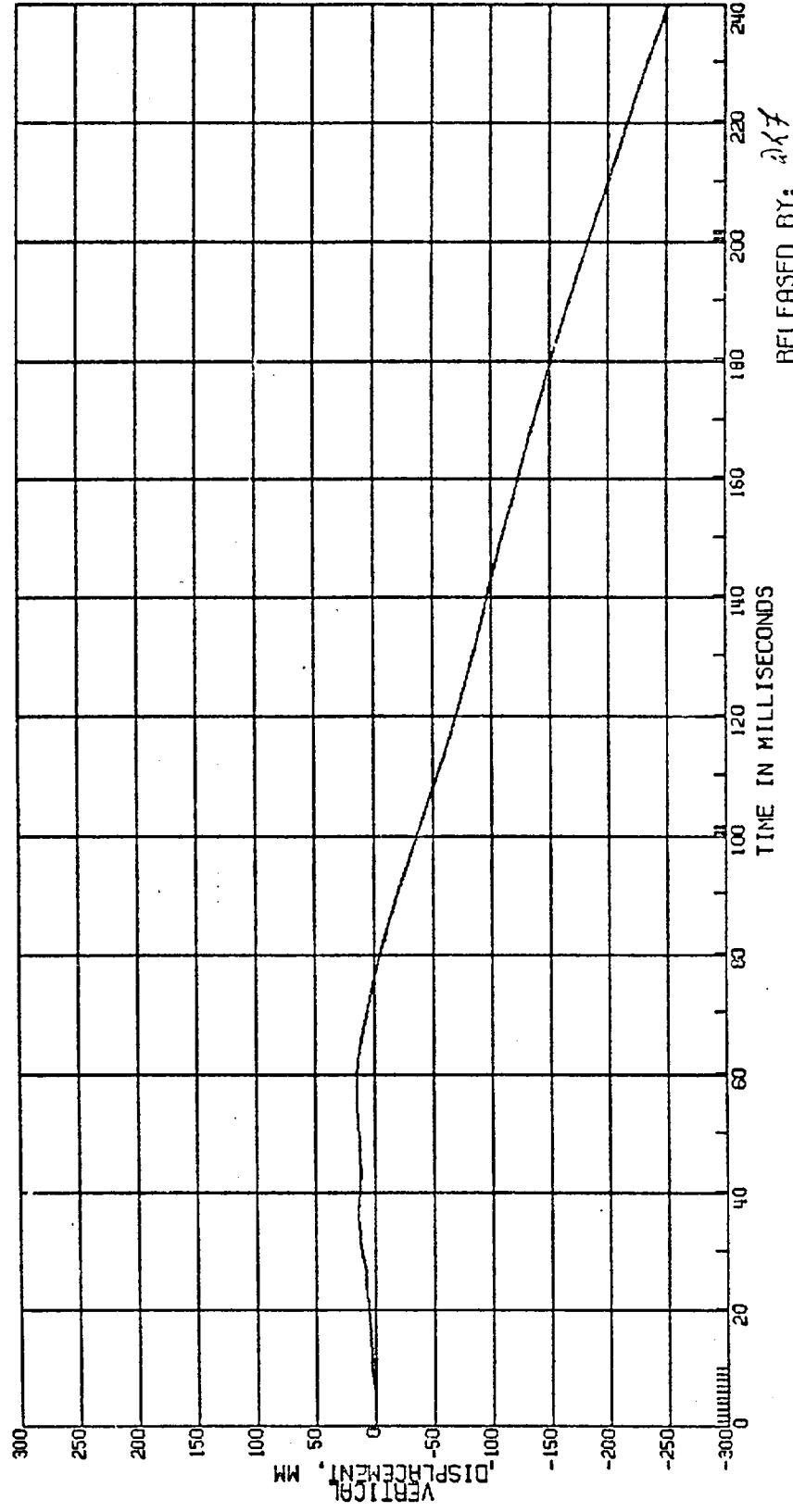


C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 23
3865-015
FISHER BODY UC420 4CX11 STRUCK COMPUTED RT FRT DOOR (B) DISPLACEMENT TEST DATE:02-06-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



RELEASED BY: 017

C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8 KM/H FIGURE 24
 3865-015
 FISHER BODY UC420 4CX11 STRUCK COMPUTED AT FRT DOOR (B) DISPLACEMENT TEST DATE: 02-06-85
 A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



RELEASED BY: 247

C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 25

3865-015

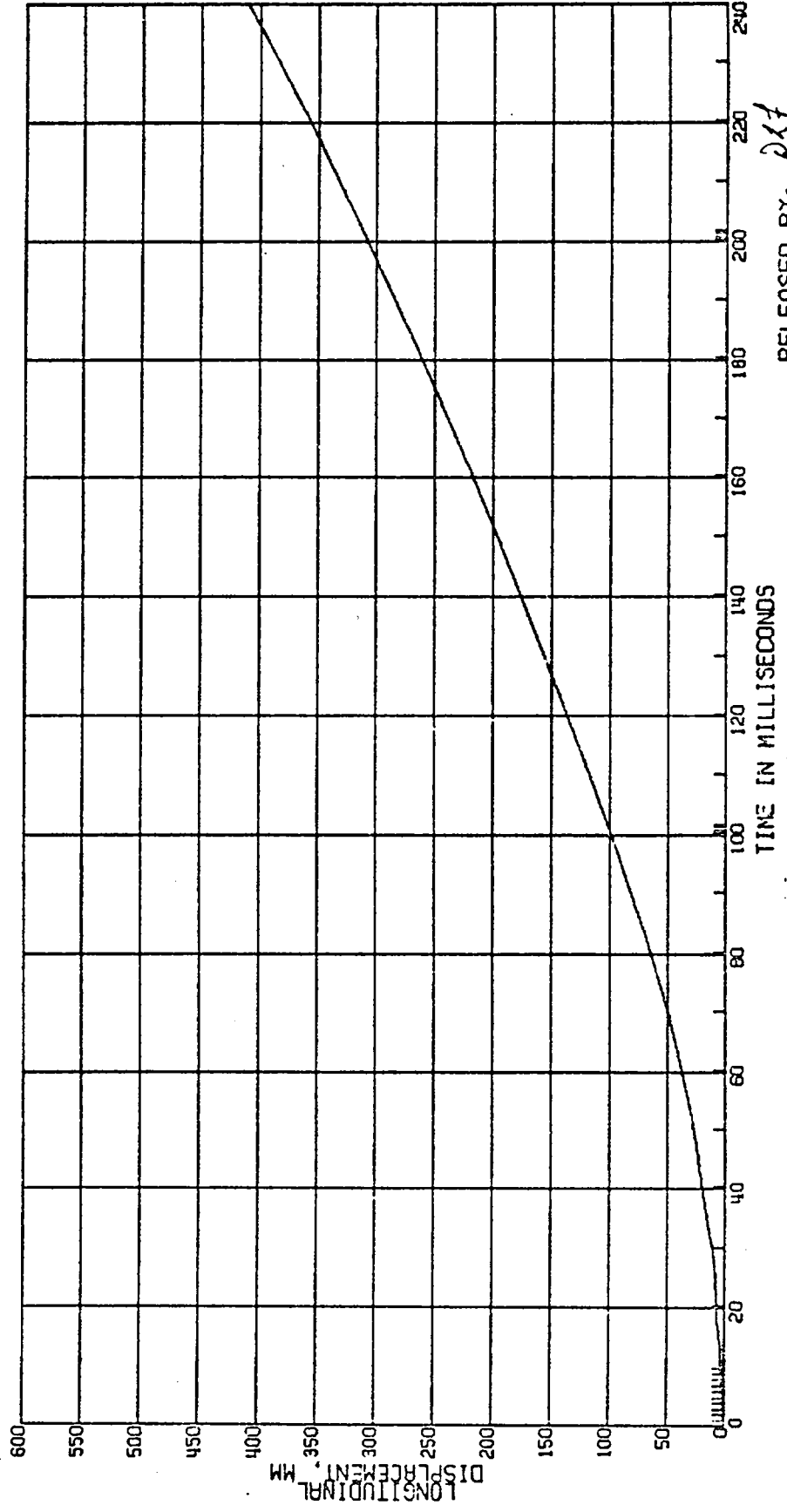
FISHER BODY UC420 4CX11 STRUCK

COMPUTED AT FRT DOOR (C) DISPLACEMENT

TEST DATE: 02-06-85

A-D DATA SAE CLASS 180

(2ND INTEGRAL ACCELERATION)



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CG150A RIGHT SIDE IMPACT

3865-015

FISHER BODY UC420 4CX11 STRUCK

A-D DATA SAE CLASS 180

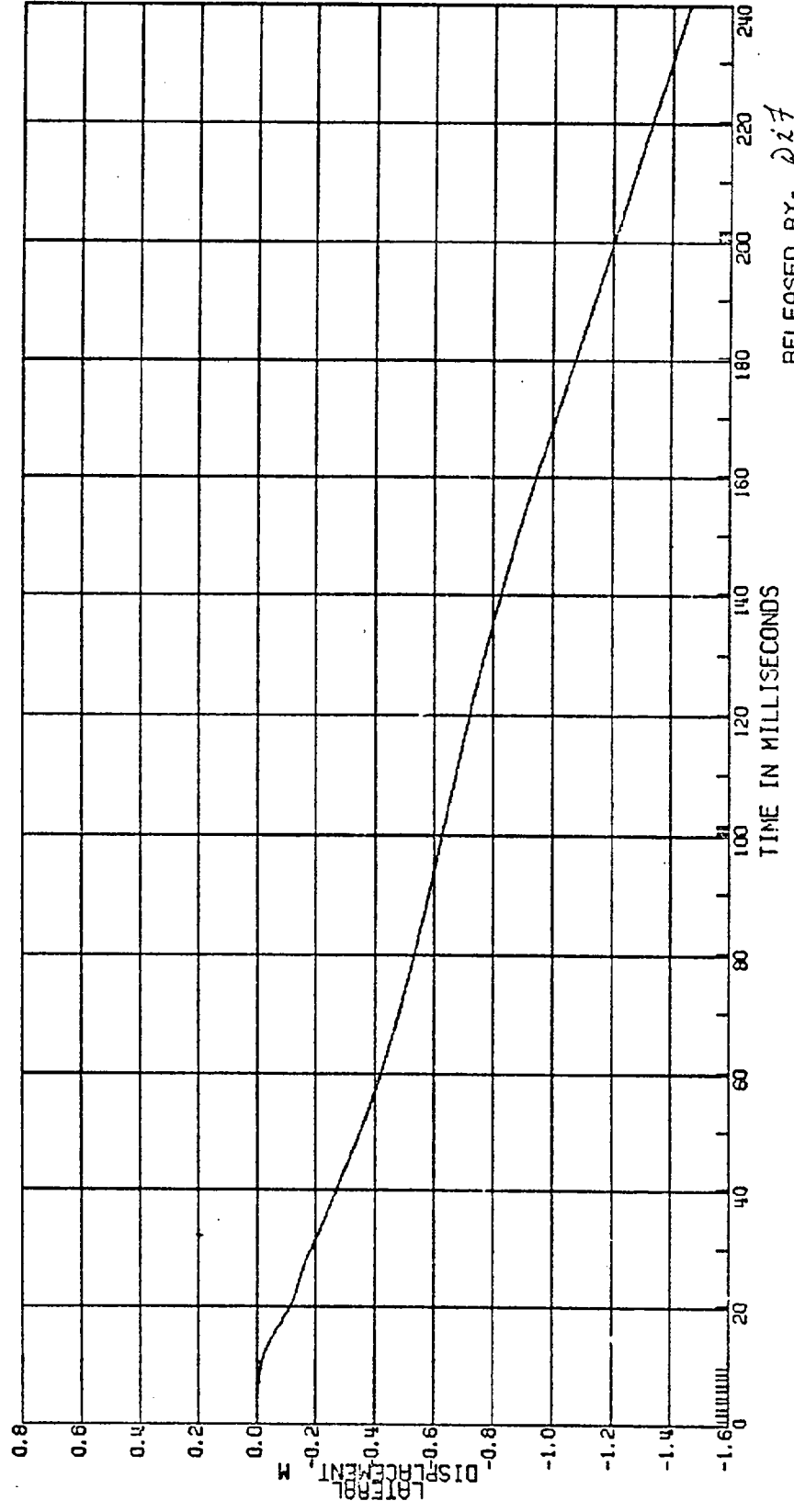
MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 26

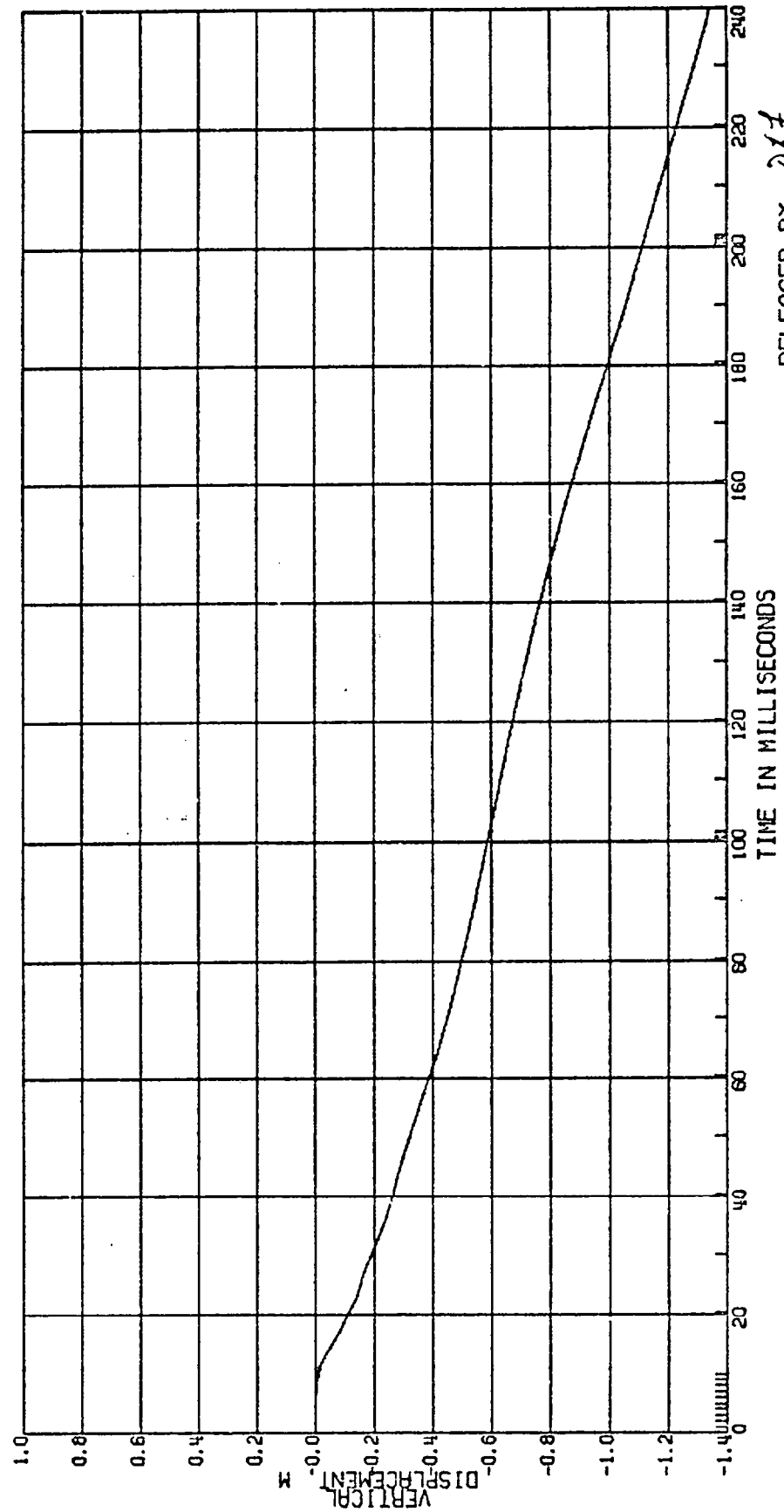
COMPUTED AT FRT DOOR (C) DISPLACEMENT

TEST DATE: 02-06-85

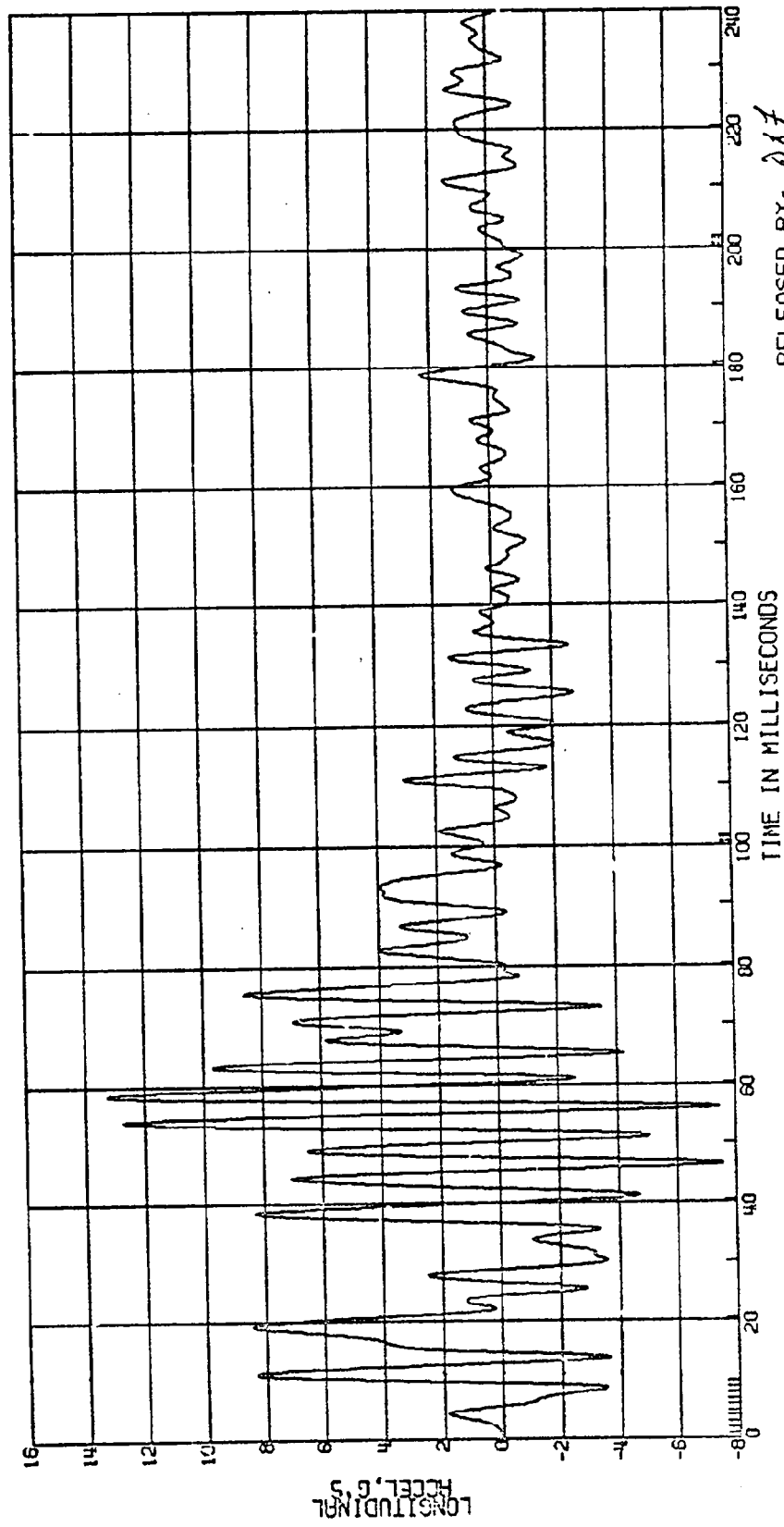
(2ND INTEGRAL ACCELERATION)



C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 27
3865-015
FISHER BODY UC420 4CX11 STRUCK COMPUTED RT FRT DOOR (C) DISPLACEMENT TEST DATE: 02-06-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



C6150A RIGHT SIDE IMPACT
 3865-015
 FISHBAY BODY UC420 UCX11 STRUCK
 A-D DATA SAE CLASS 60
 MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 28
 DR-SIDE FLOOR PAN ACCEL.
 TEST DATE: 02-06-85



C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 29

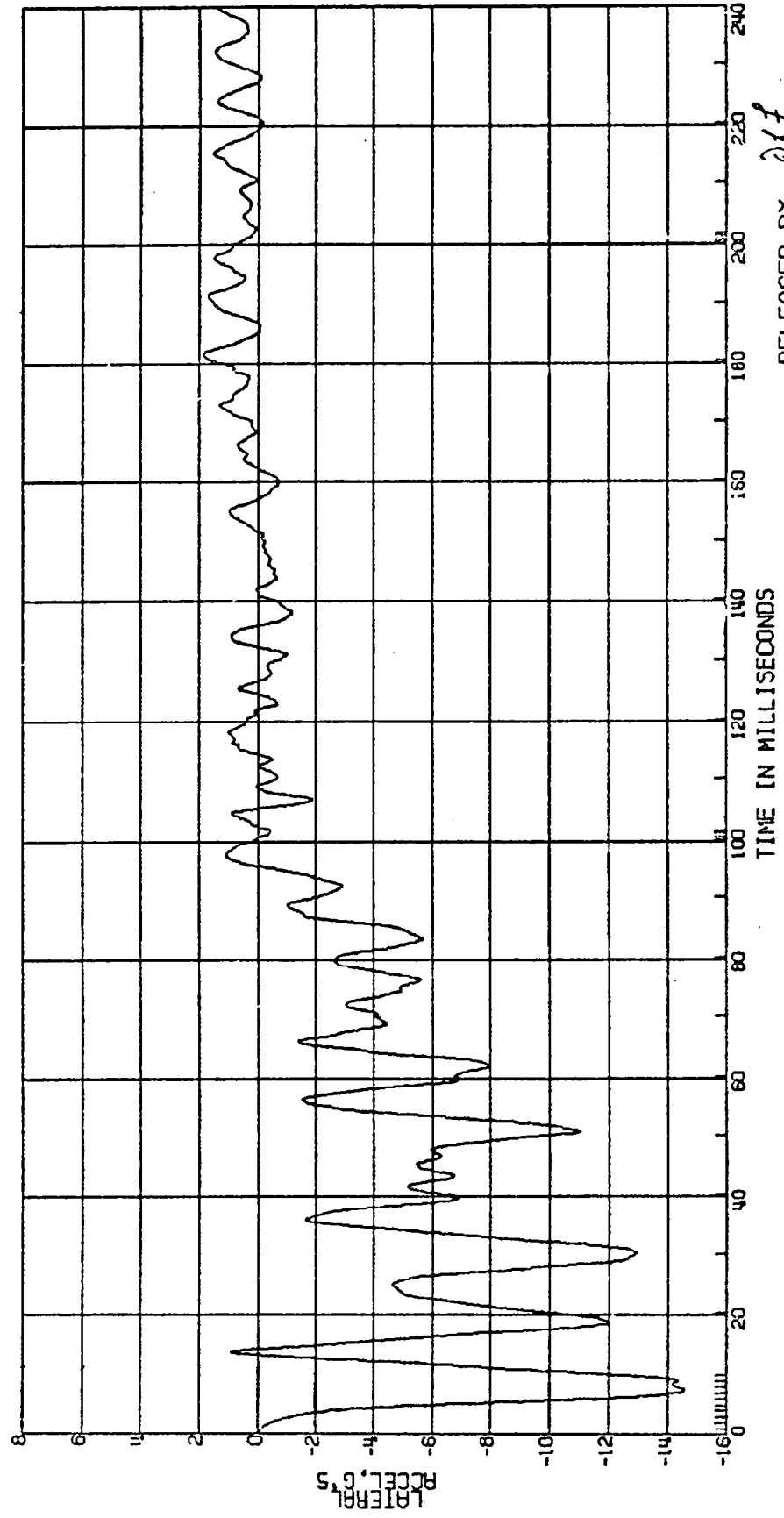
3865-015

DR-SIDE FLOOR PAN ACCEL.

FISHER BODY UC420 4CX11 STRUCK

A-D DATA SAE CLASS 60

TEST DATE:02-06-85



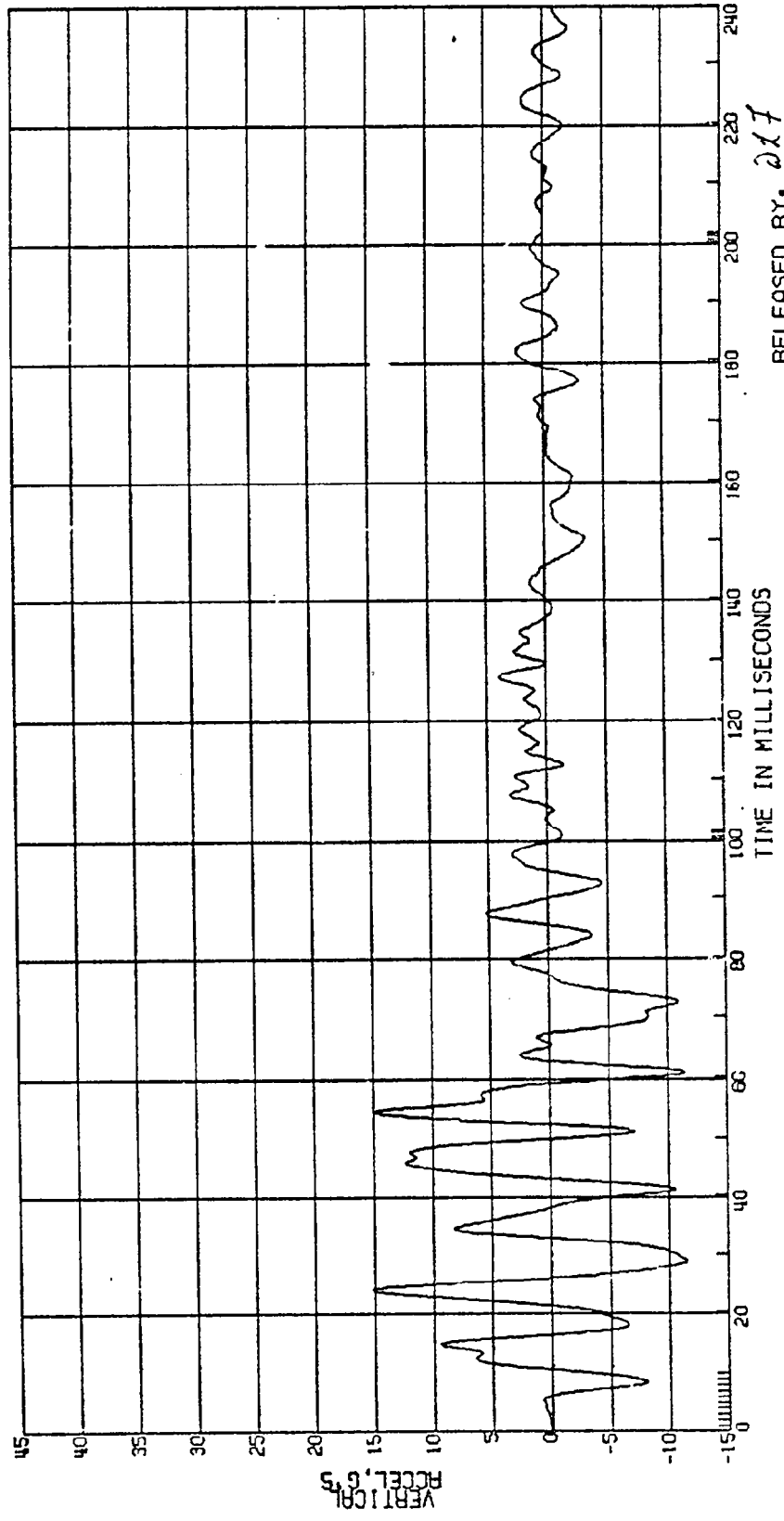
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59 PROCESSED 7 FEB 85 12:53

C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 60

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 3a

DR-SIDE FLOOR PAN ACCEL.

TEST DATE: 02-06-85



RELEASED BY: *217*
62 PROCESSED 7 FEB 85 12:54

C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 3/

3865-015

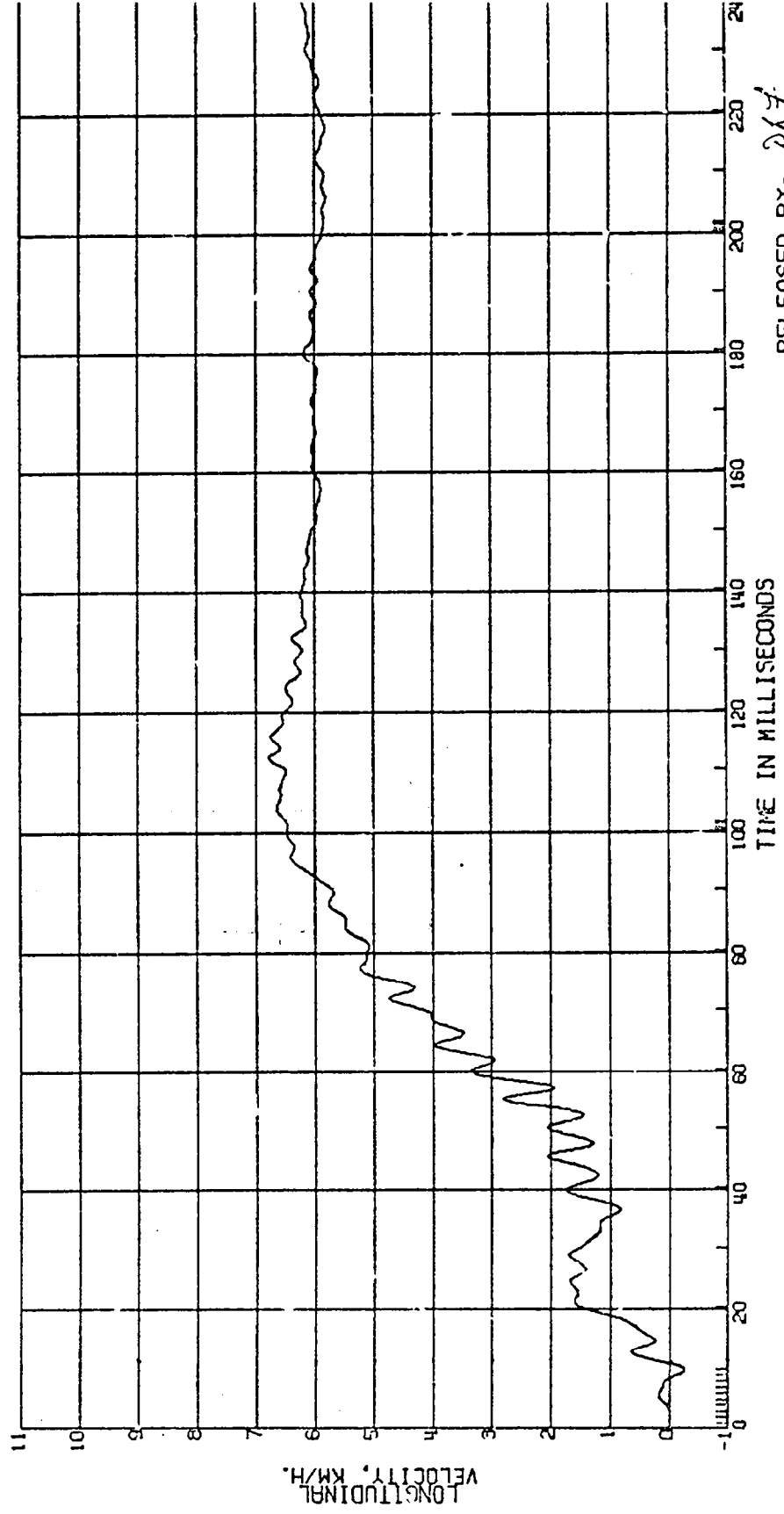
FISHER BODY UC420 4CX11 STRUCK

COMPUTED FLOOR PAN VELOCITY

TEST DATE:02-06-85

A-D DATA SAE CLASS 180

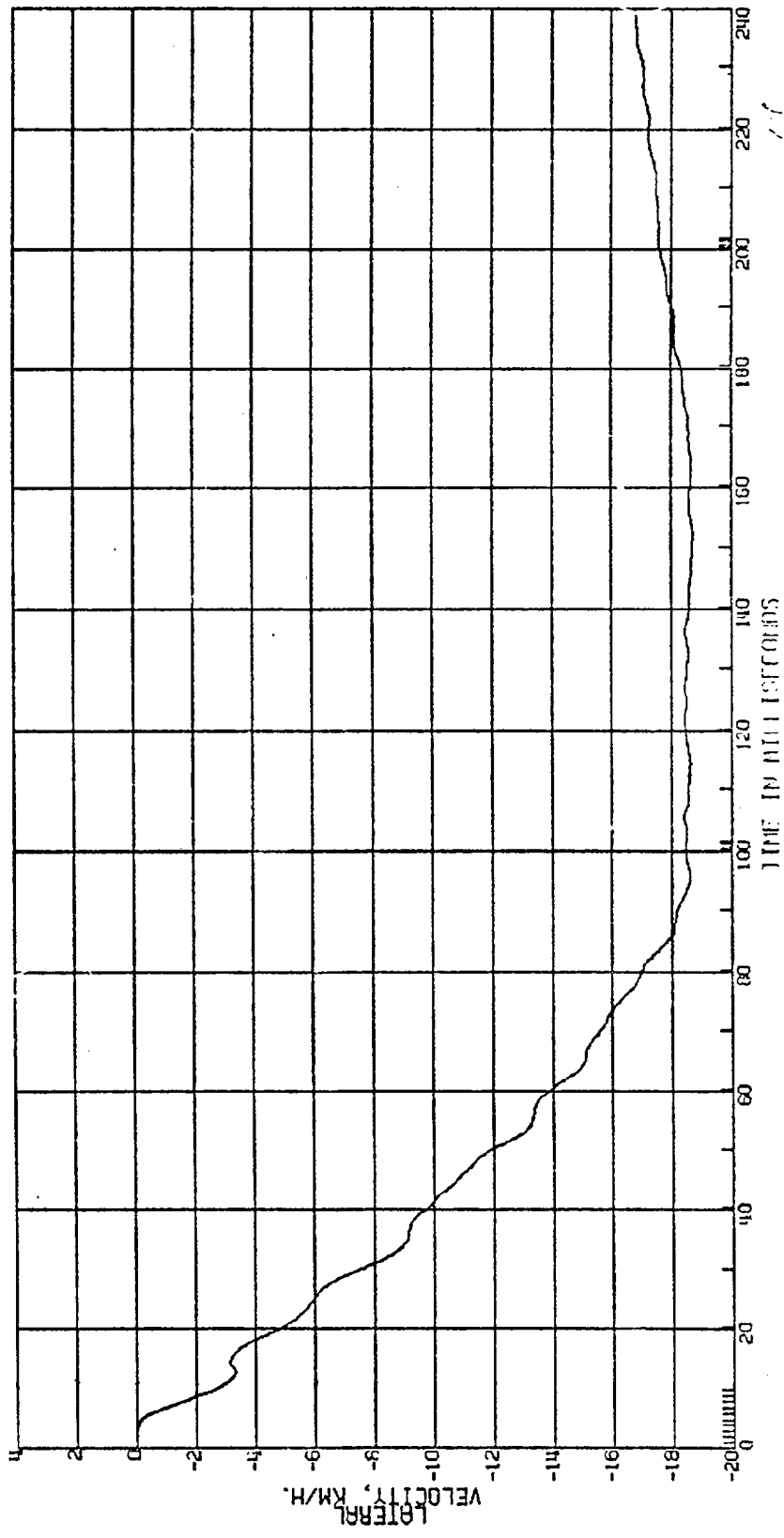
(1ST INTEGRAL DRS-SIDE ACCELERATION)



RELEASED BY: 287

54 PREPARED 7 FEB 85 1 51

C6150A RIGHT SIDE IMPACT
 3865-015
 FISHBAY BODY UC420 4CX11 STRUCK
 A-D DATA SAE CLASS 180
 MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 32
 COMPUTED FLOOR PAN VELOCITY
 (1ST INTEGRAL DRS--SIDE ACCELERATION)
 TEST DATE:02-06-85



C6150A RIGHT SIDE IMPACT

3865-015

FISHER BODY UC420 4CX11 STRUCK

A-D DATA SAE CLASS 180

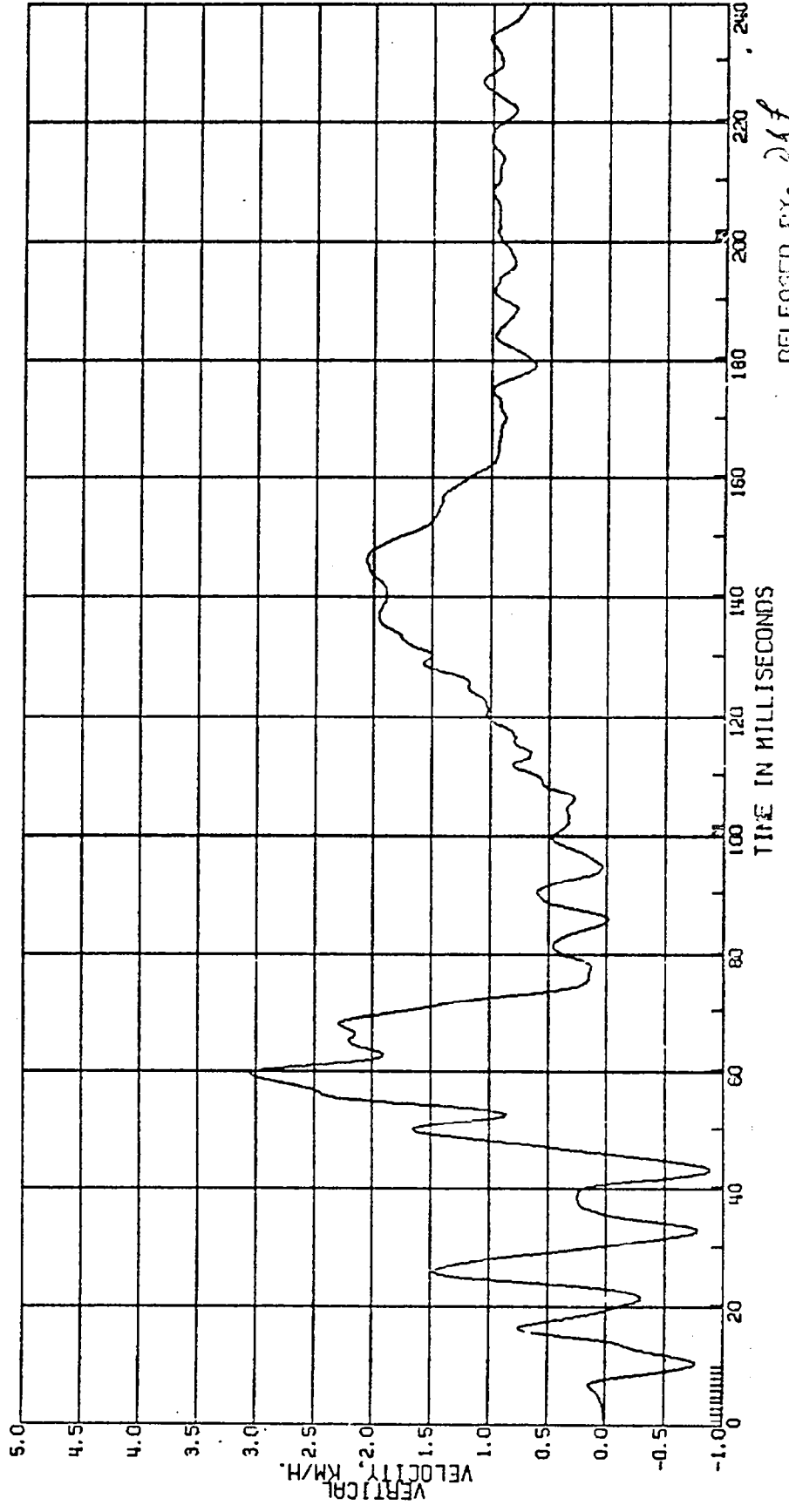
MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 33

COMPUTED FLOOR PAN VELOCITY

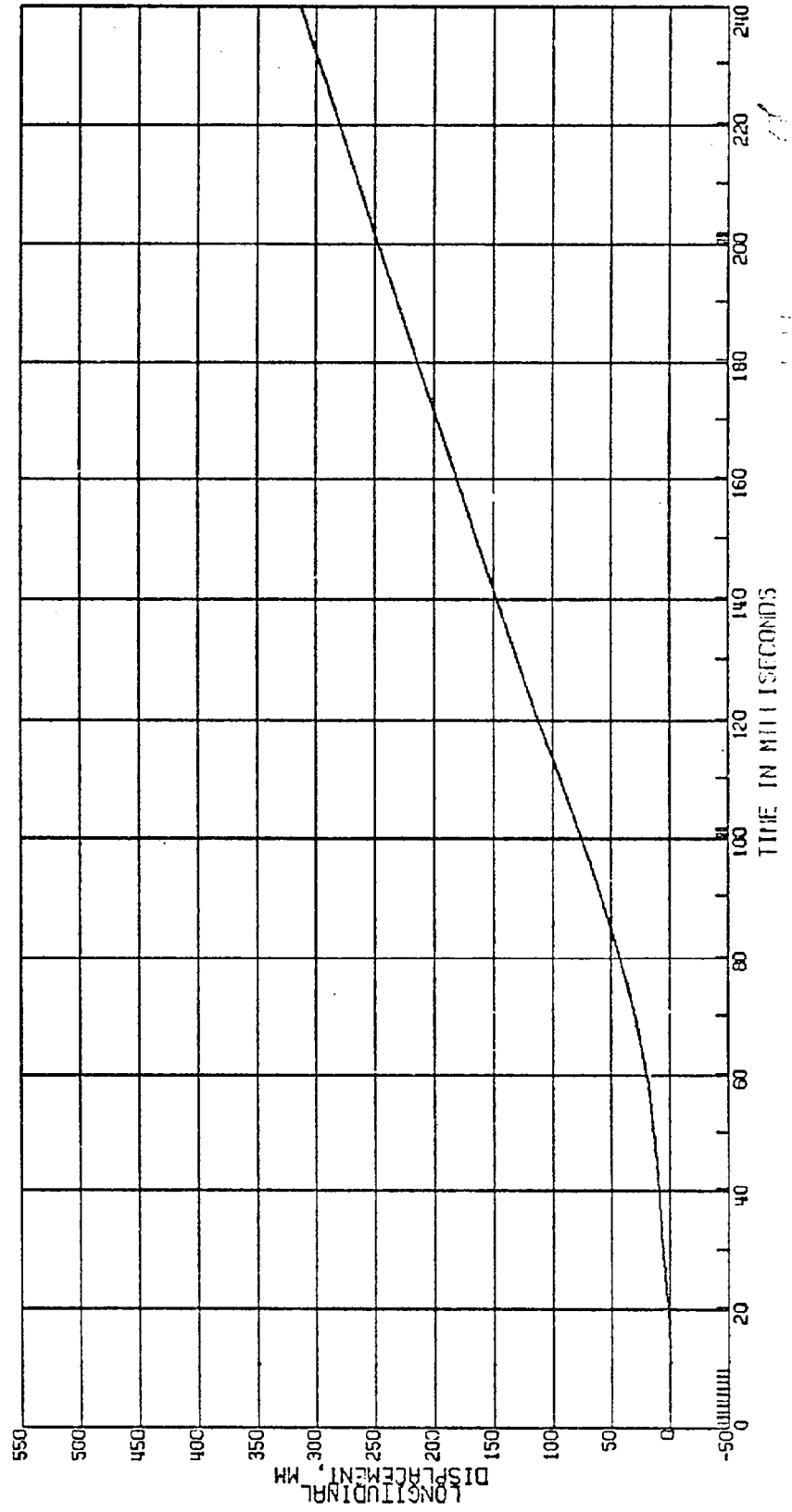
TEST DATE:02-06-85

(1ST INTEGRAL DRS-SIDE ACCELERATION)



REFUSED BY: 217

C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 34
 3865-015 TEST DATE: 02-06-85
 FISHER BODY UC420 4CX11 STRUCK COMPUTED FLOOR PAN DISPLACEMENT
 A-D DATA SAE CLASS 180 (2ND INTEGRAL DRS-SIDE ACCELERATION)



C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

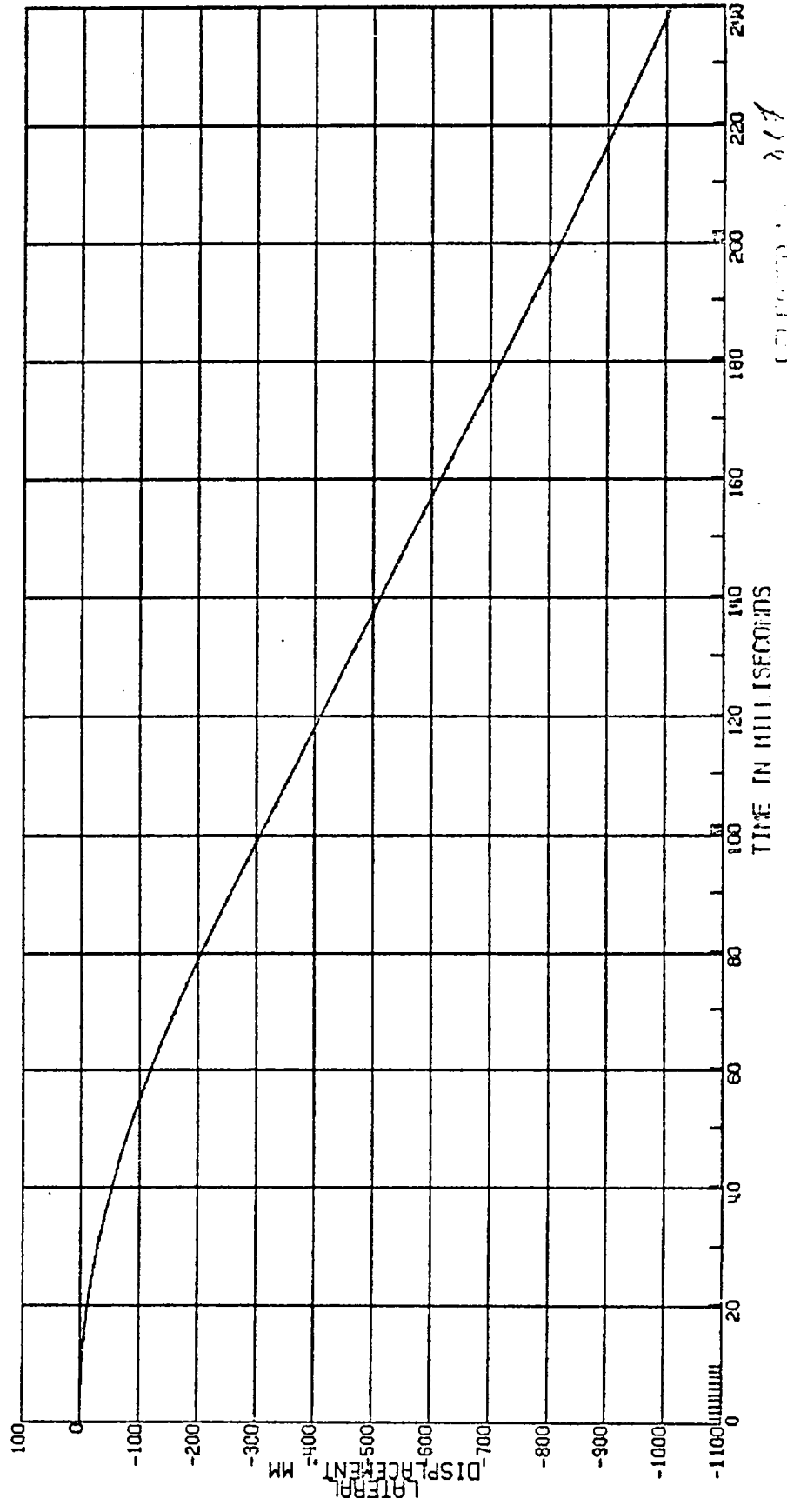
MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 35

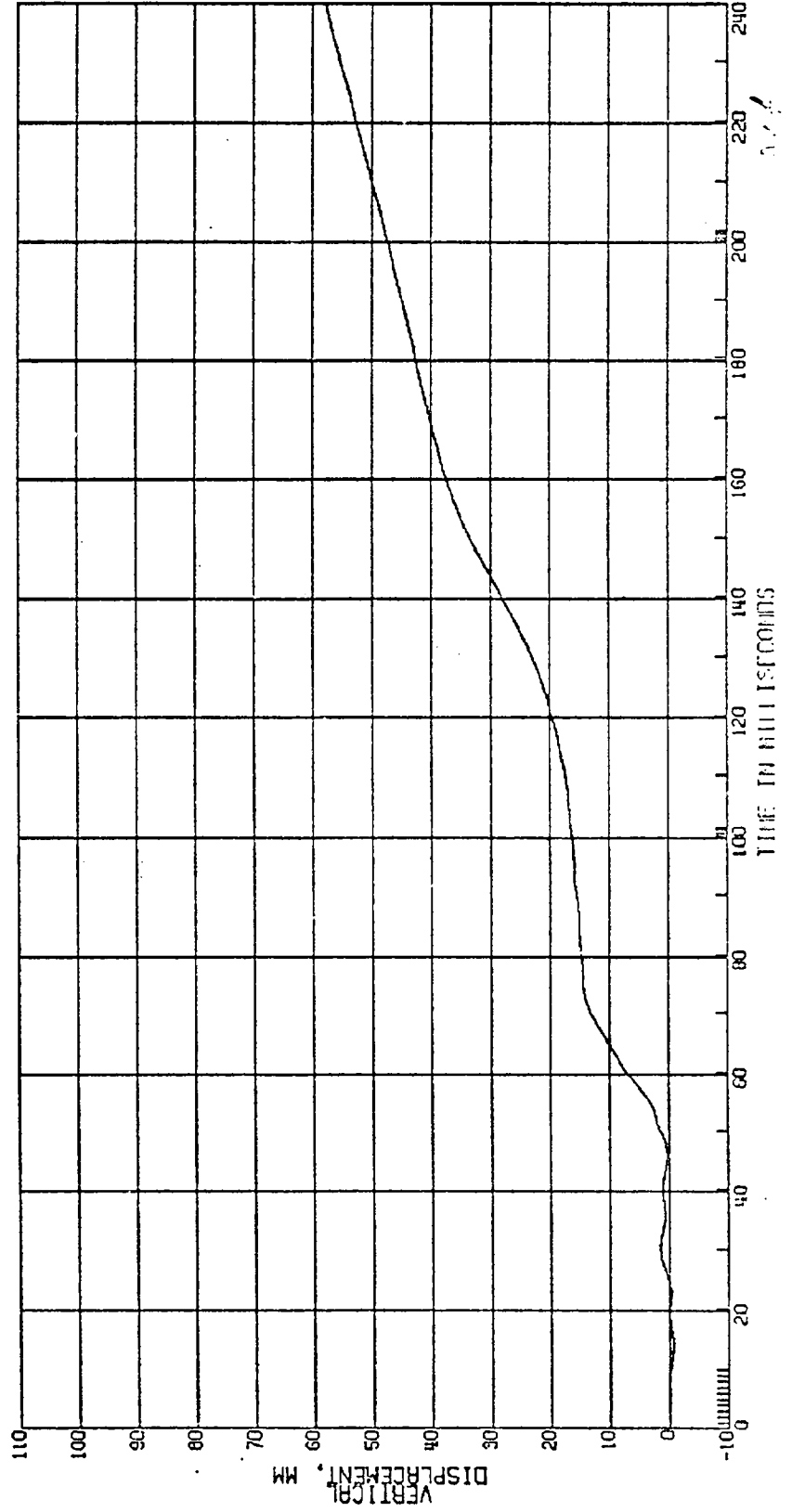
COMPUTED FLOOR PAN DISPLACEMENT

TEST DATE:02-06-85

(2ND INTEGRAL DRS-SIDE ACCELERATION)



C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 36
 3865-015
 FISHER BODY UC420 4CX11 STRUCK COMPUTED FLOOR PAN DISPLACEMENT
 A-D DATA SAE CLASS 180 (2ND INTEGRAL DRS-SIDE ACCELERATION) TEST DATE: 02-06-85

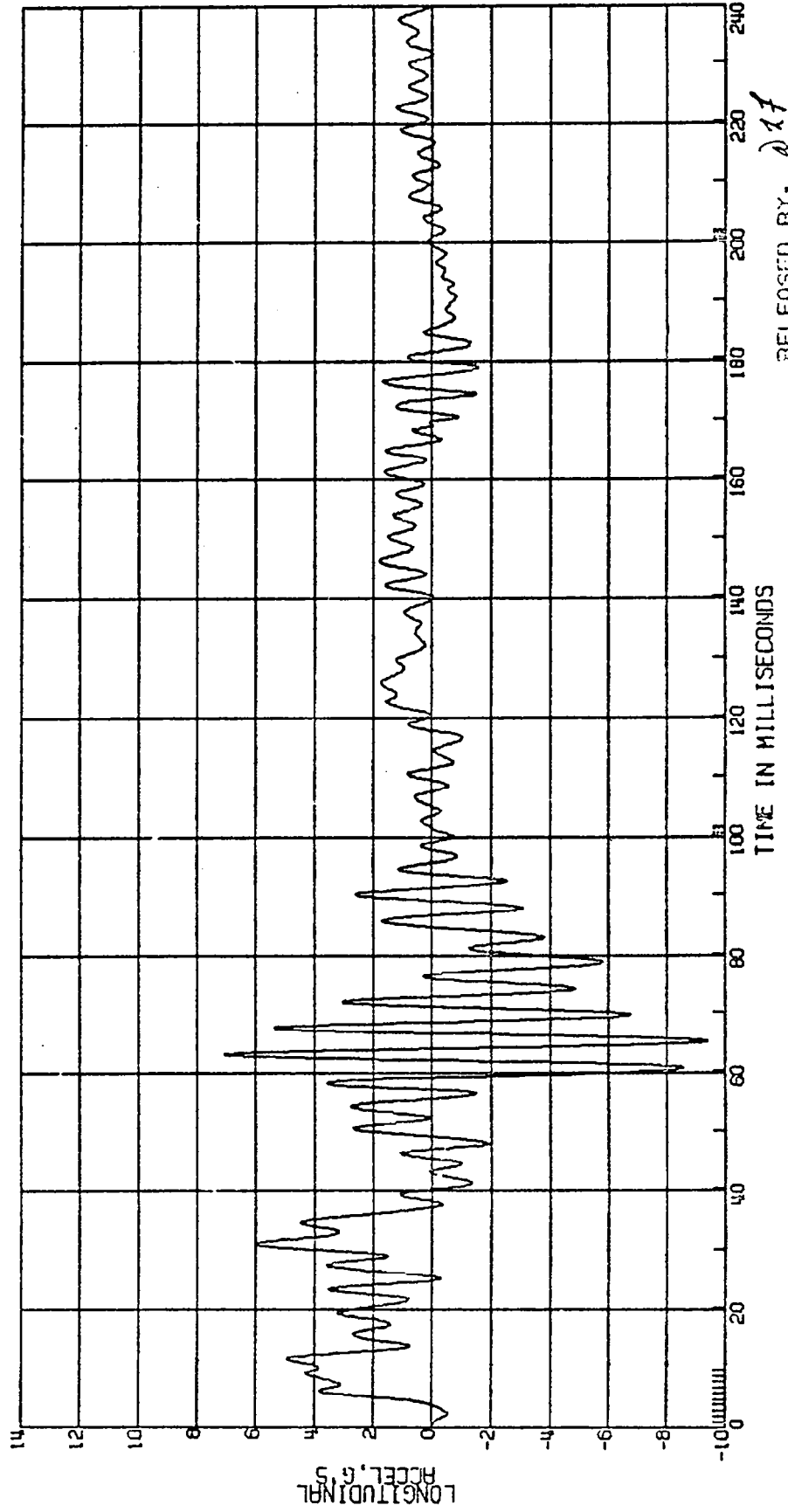


C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 60

MOVING BARRIER TO PARKED VEHICLE
PASS-SIDE TRUNK ACCEL.

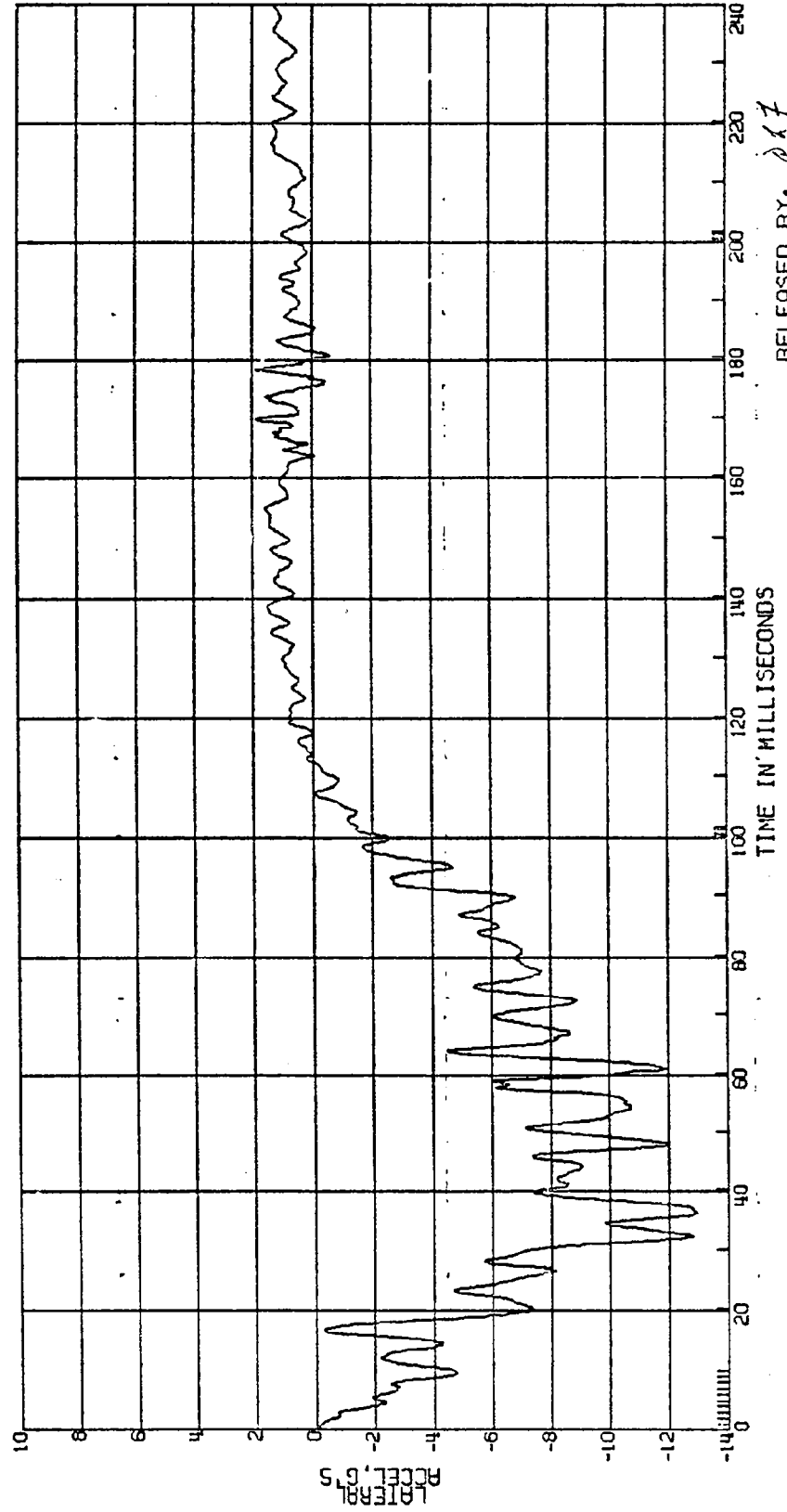
40.8KM/H FIGURE 37

TEST DATE:02-06-85



RELEASED BY: *217*

C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 38
 3865-015 PASS-SIDE TRUNK ACCEL.
 FISHER BODY UC420 4CX11 STRUCK
 A-D DATA SAE CLASS 60 TEST DATE: 02-06-85



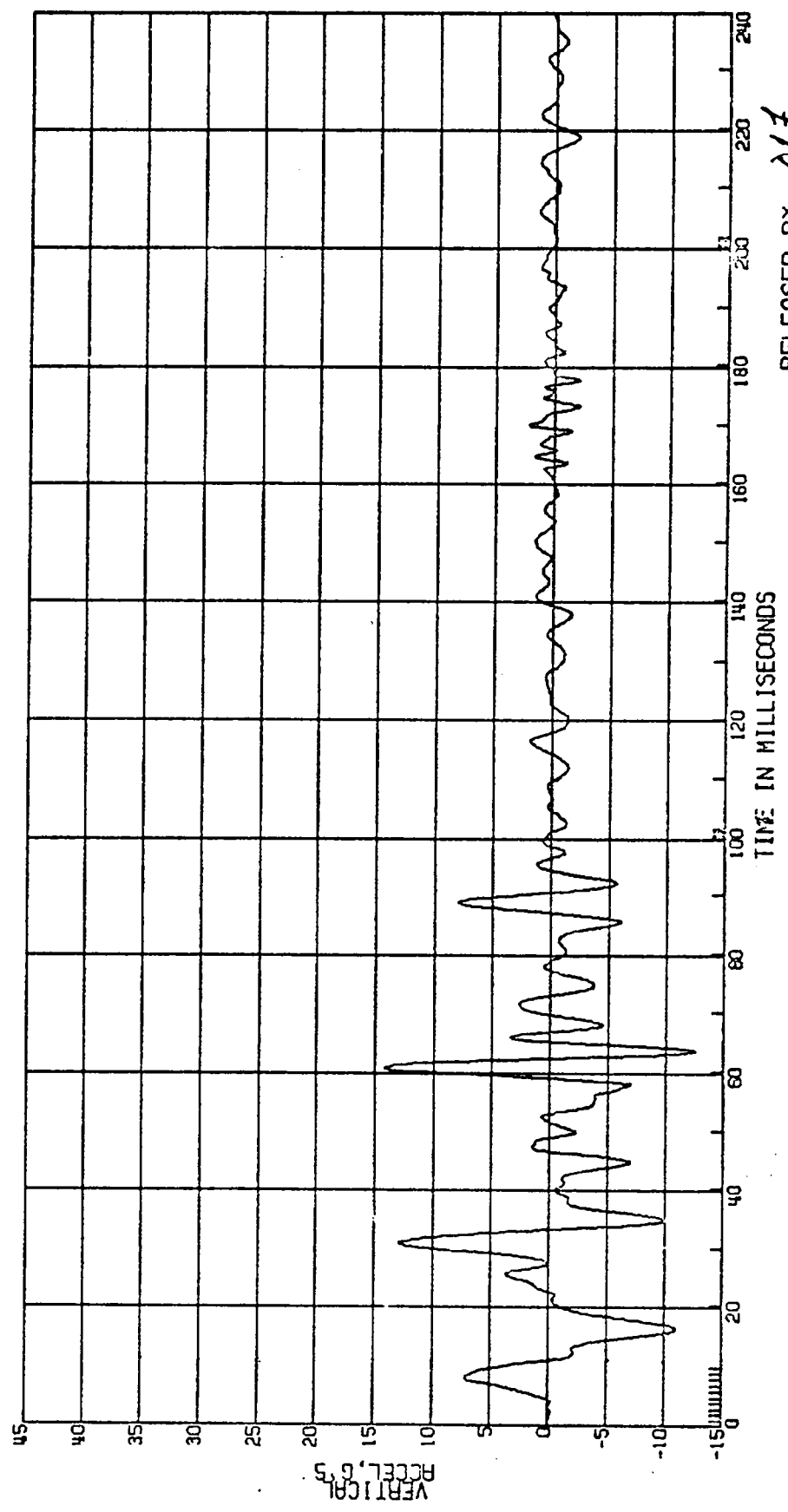
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C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 60

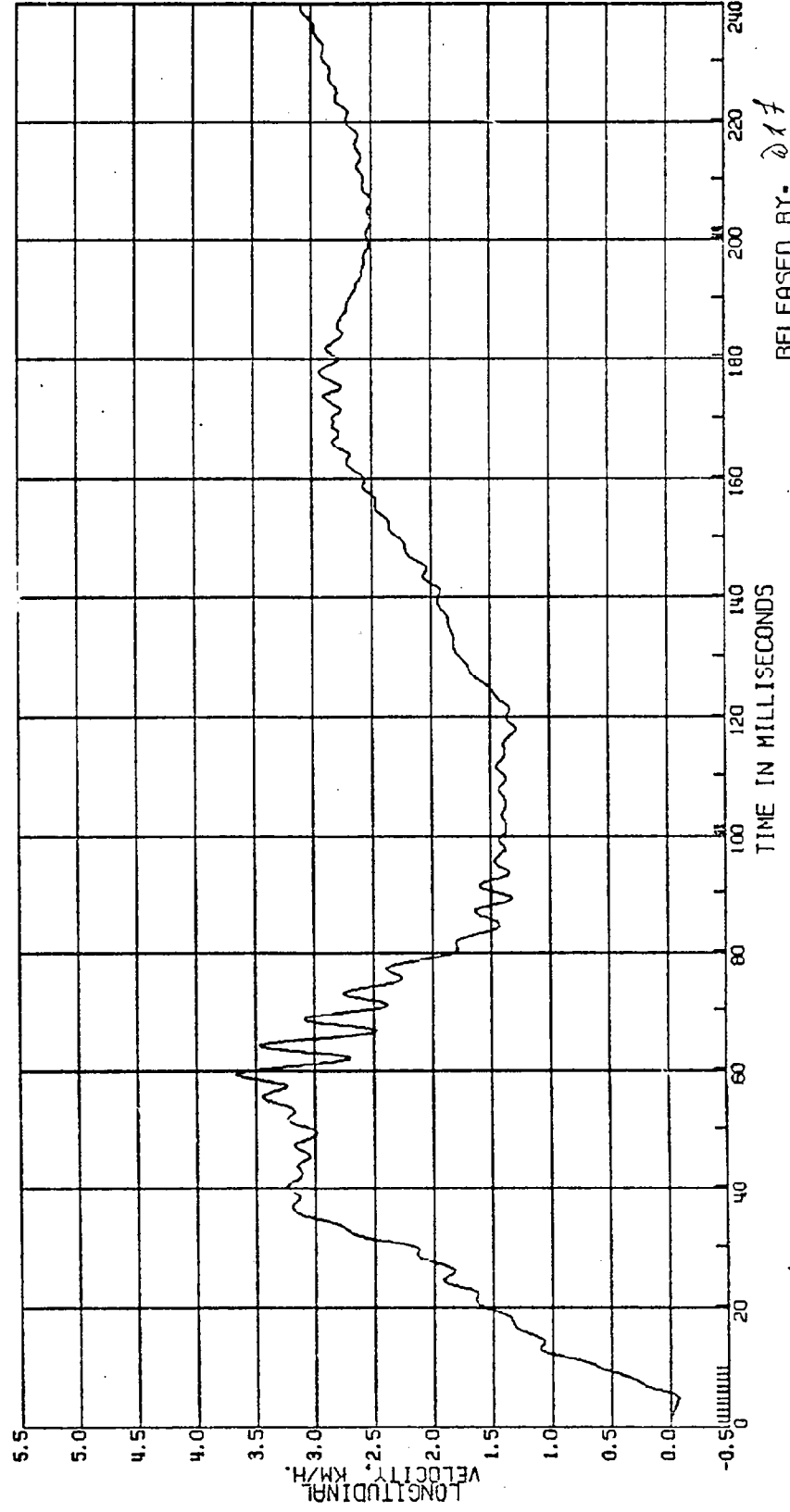
MOVING BARRIER TO PARKED VEHICLE
PASS-SIDE TRUNK ACCEL.

40.8KM/H FIGURE 39

TEST DATE: 02-06-85



C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 40
3065-015 COMPUTED TRUNK VELOCITY TEST DATE: 02-06-85
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180 (1ST INTEGRAL PASS-SIDE ACCELERATION)



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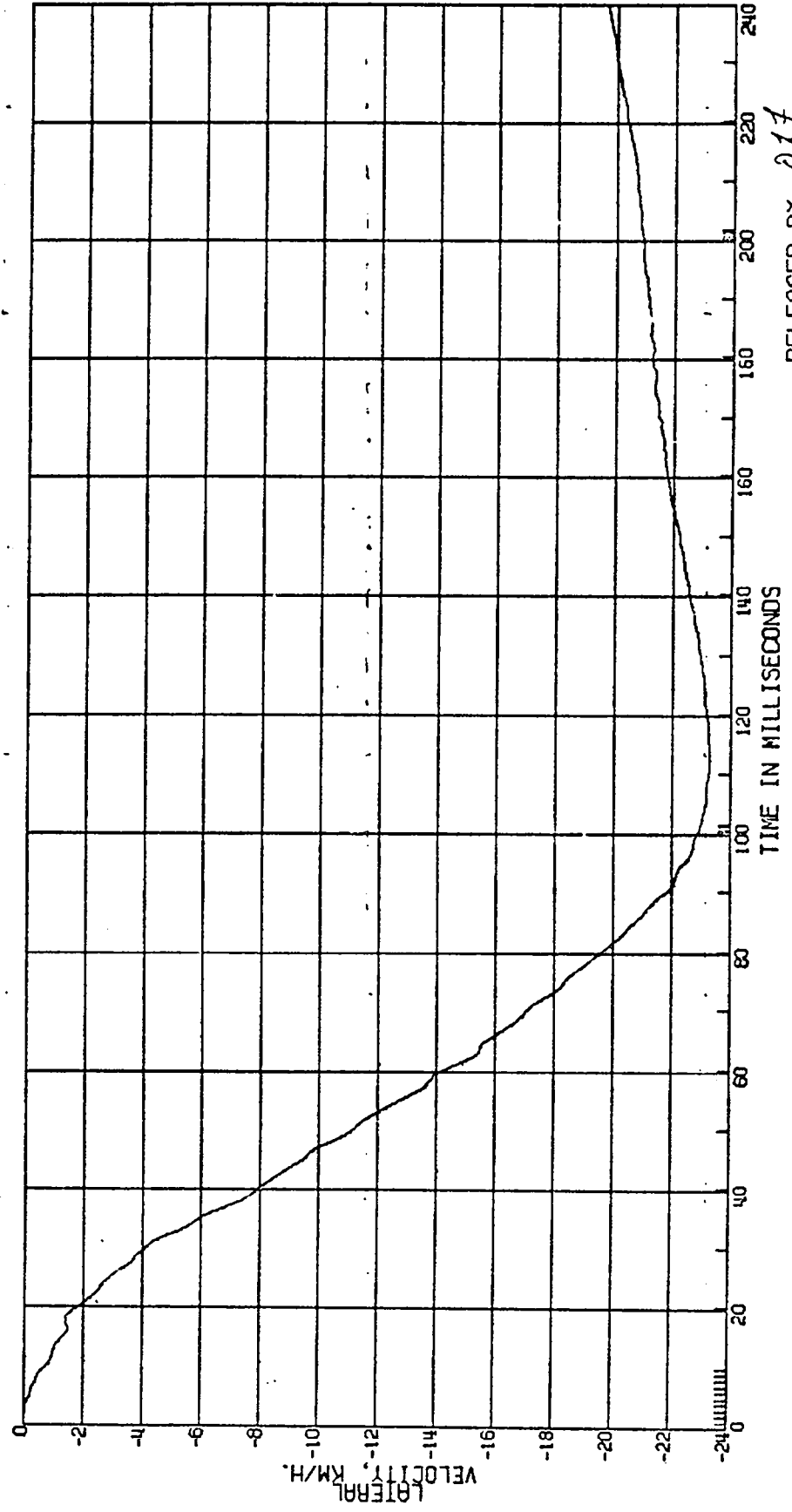
C6150A RIGHT SIDE IMPACT
3865-015

FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 4/
COMPUTED TRUNK VELOCITY

TEST DATE:02-06-85

(1ST INTEGRAL PASS-SIDE ACCELERATION)



C6150A RIGHT SIDE IMPACT

3865-015

FISHER BODY UC420 4CX11 STRUCK

A-D DATA SAE CLASS 180

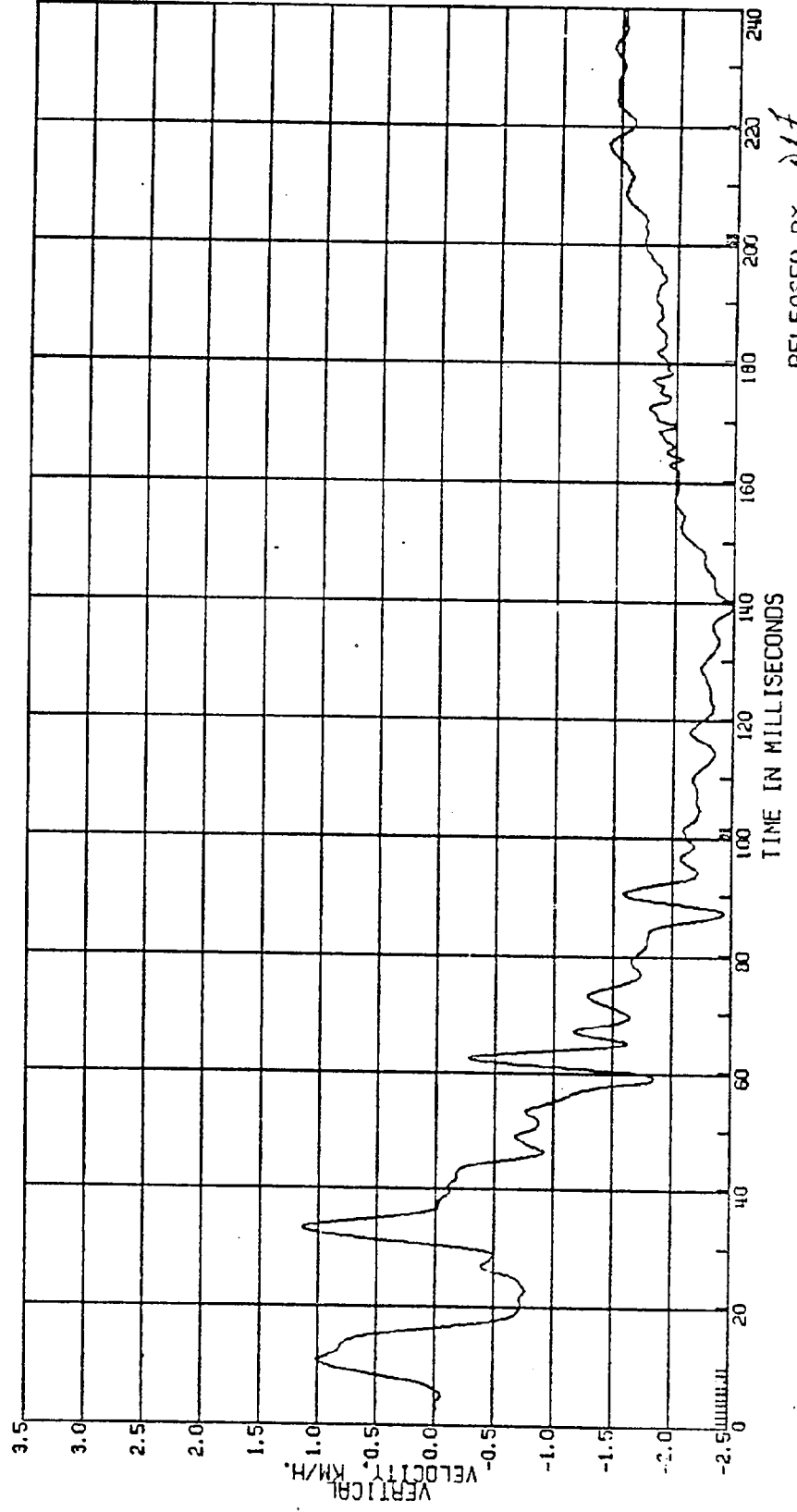
MOVING BARRIER TO PARKED VEHICLE

40.8 KM/H FIGURE 42

COMPUTED TRUNK VELOCITY

TEST DATE: 02-06-85

(1ST INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: DJF

C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 44

3865-015

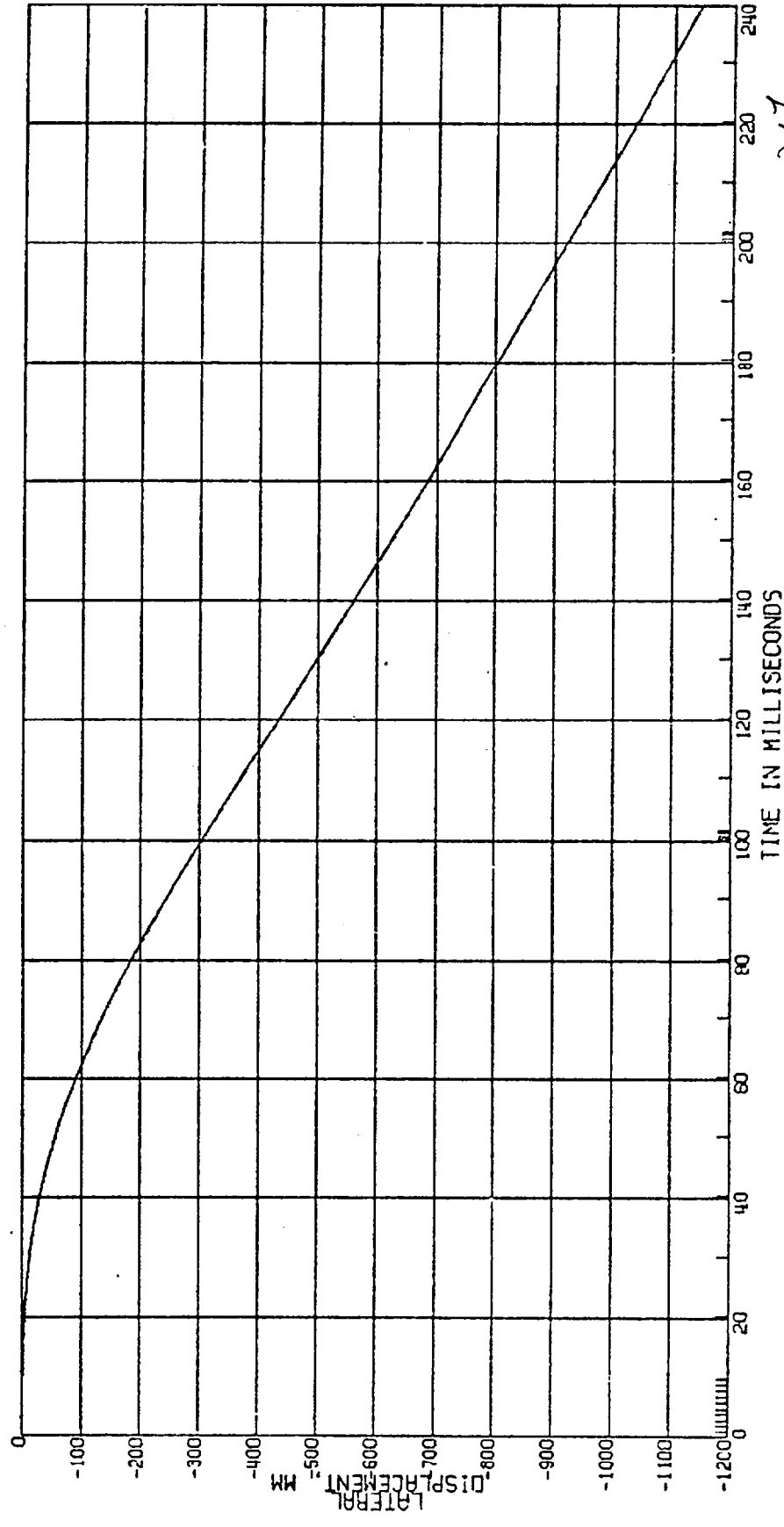
FISHER BODY UC420 4CX11 STRUCK

COMPUTED TRUNK DISPLACEMENT

TEST DATE: 02-06-85

R-D DATA SAE CLASS 180

(2ND INTEGRAL PASS-SIDE ACCELERATION)



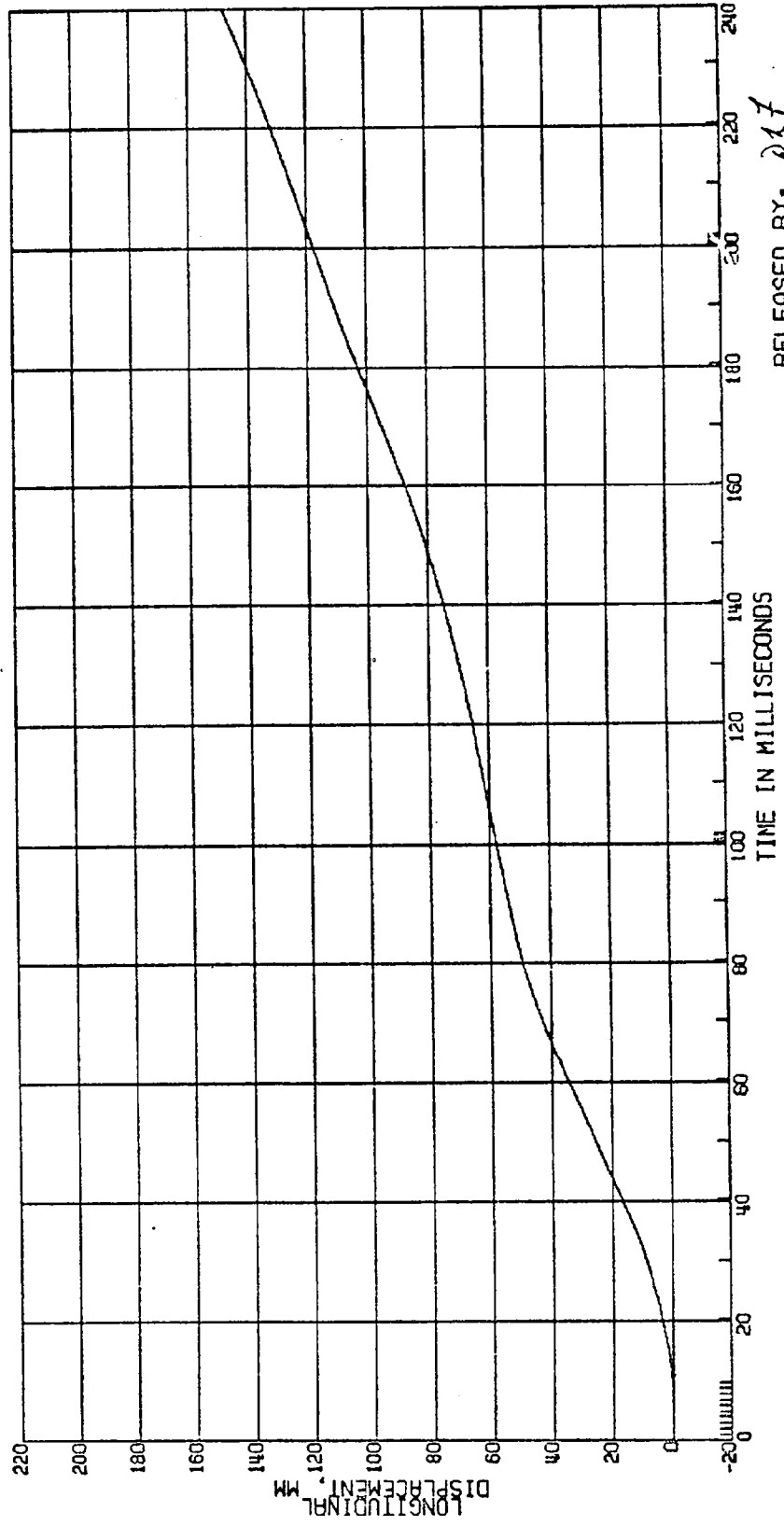
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70 PRINTED 7 FEB 85 13:03

CG150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 43
COMPUTED TRUNK DISPLACEMENT
TEST DATE: 02-06-85

(2ND INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: *pat*
67 PRINTED 7 FEB 85 13:01

C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 4C

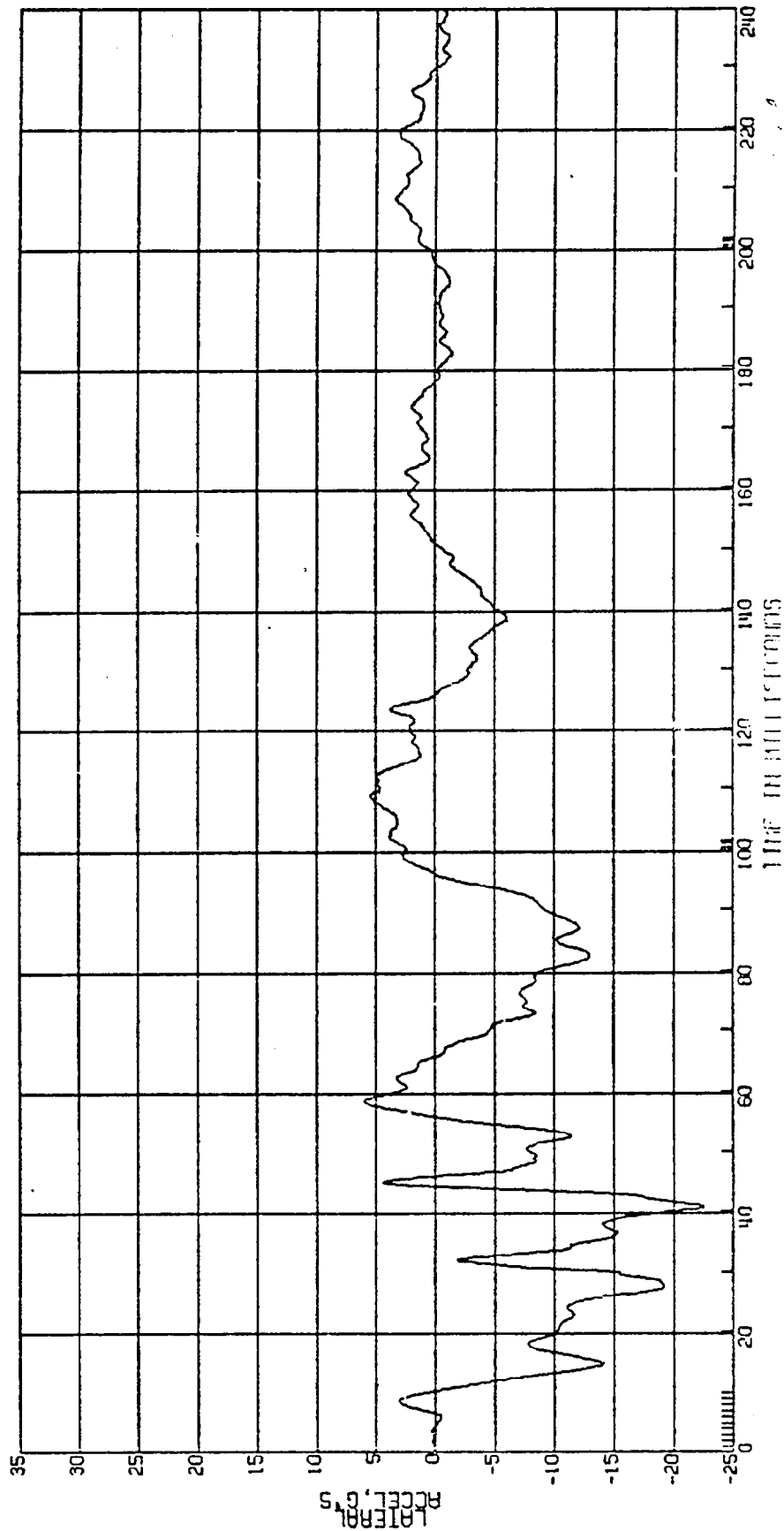
3865-015

FISHER BODY UC420 4CX11 STRUCK

LT FRT DOOR (A') ACCEL.

TEST DATE:02-06-85

A-D DATA SAE CLASS 60



CG150R RIGHT SIDE IMPACT

3865-015

FISHER BODY UC420 4CX11 STRUCK

A-D DATA SAE CLASS 180

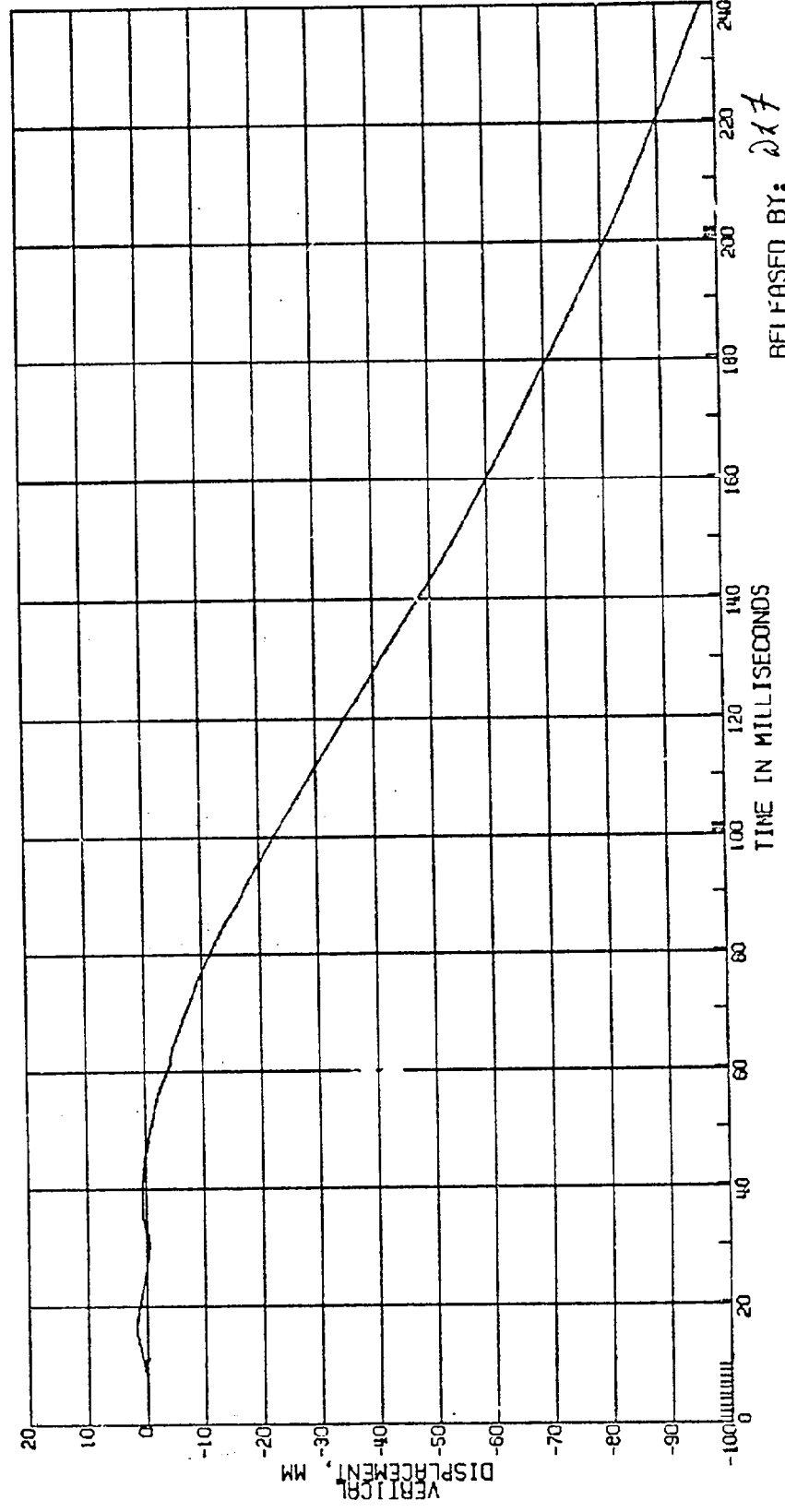
MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 45

COMPUTED TRUNK DISPLACEMENT

TEST DATE:02-06-85

(2ND INTEGRAL PASS-SIDE ACCELERATION)

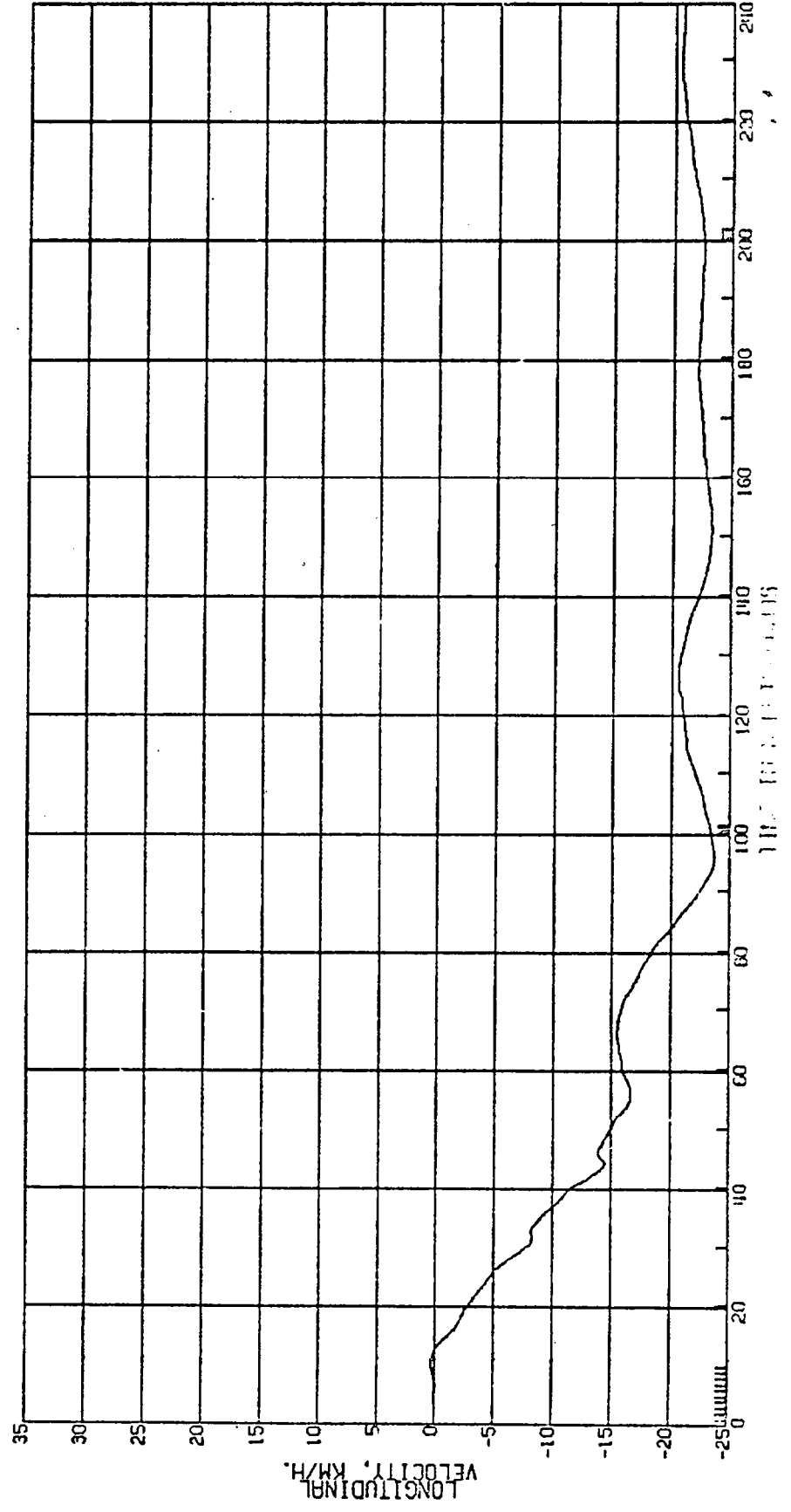


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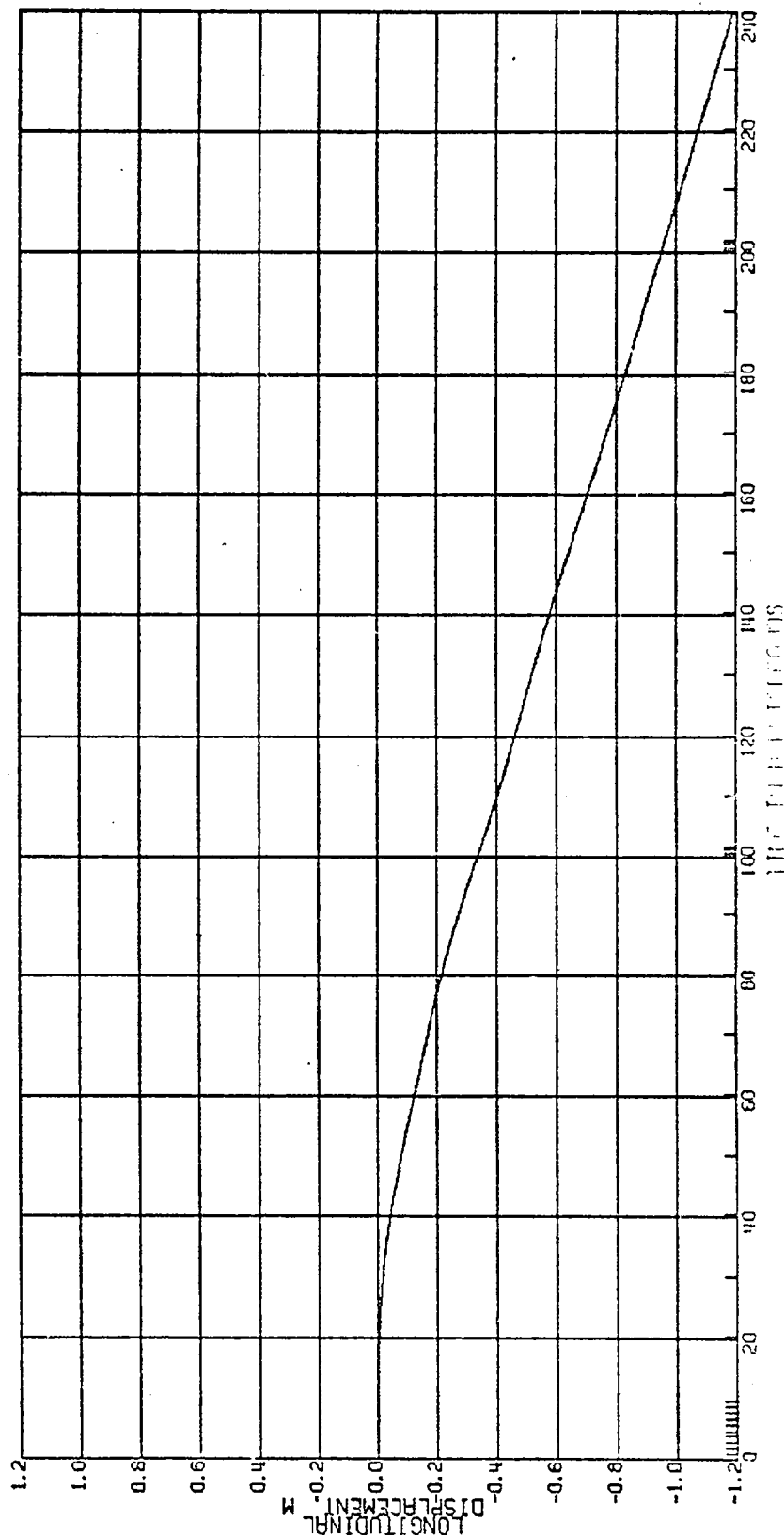
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C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

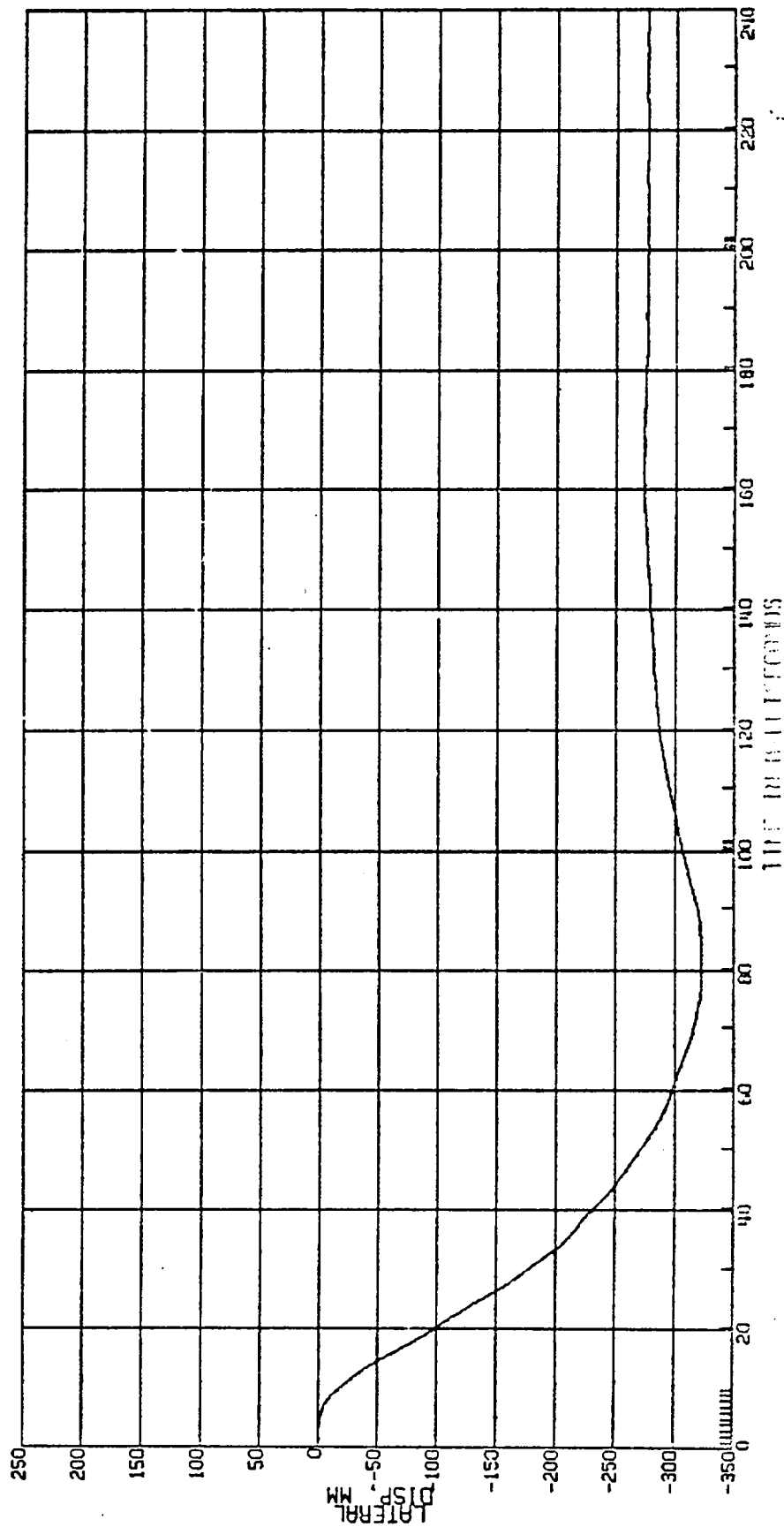
MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 47
COMPUTED RT FRT DOOR (A) VELOCITY
TEST DATE:02-06-85
(1ST INTEGRAL ACCELERATION)



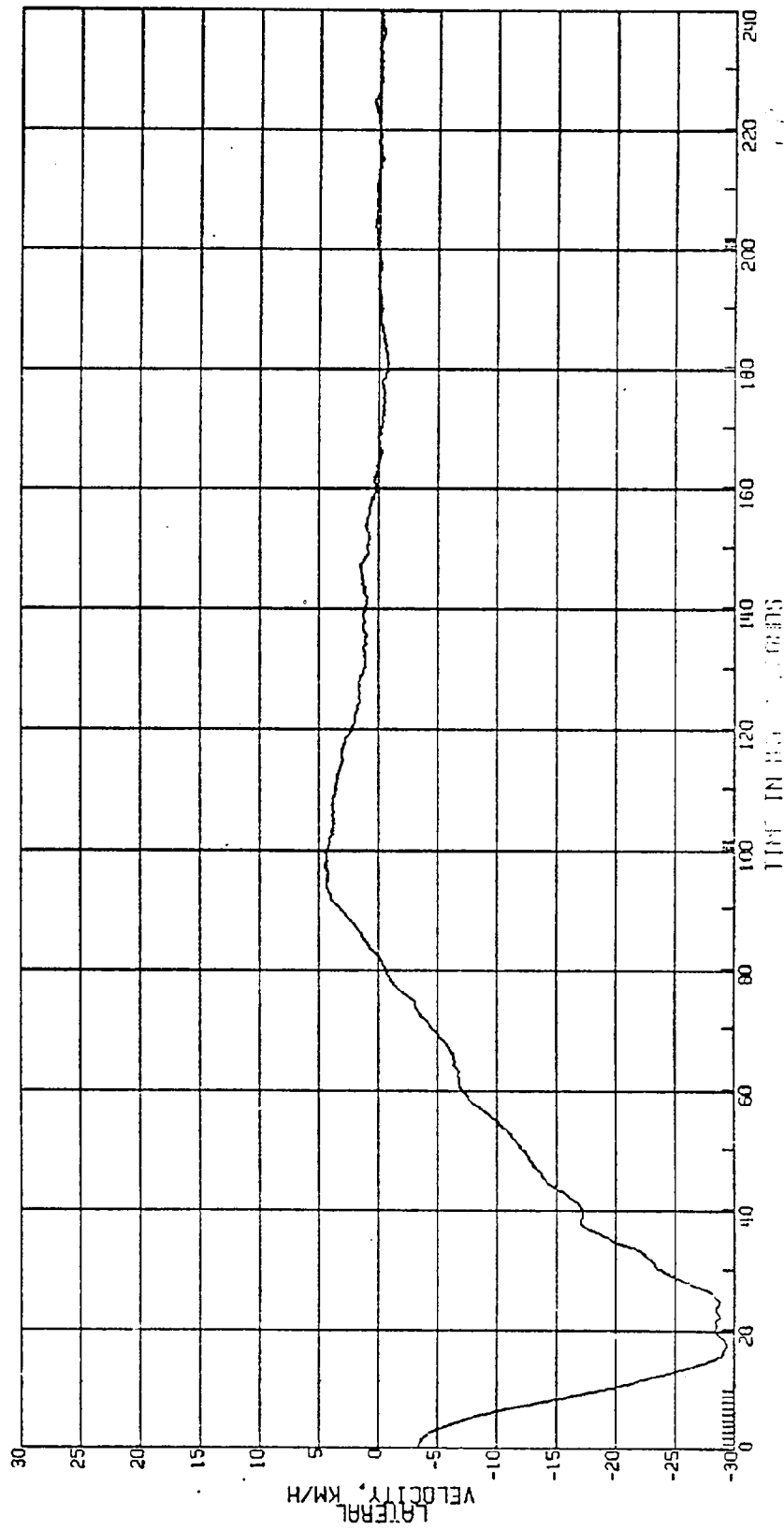
C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 48
 3865-015 -
 FISHER BODY UC420 4CX11 STRUCK COMPUTED RT FRT DOOR (A) DISPLACEMENT TEST DATE: 02-06-85
 A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



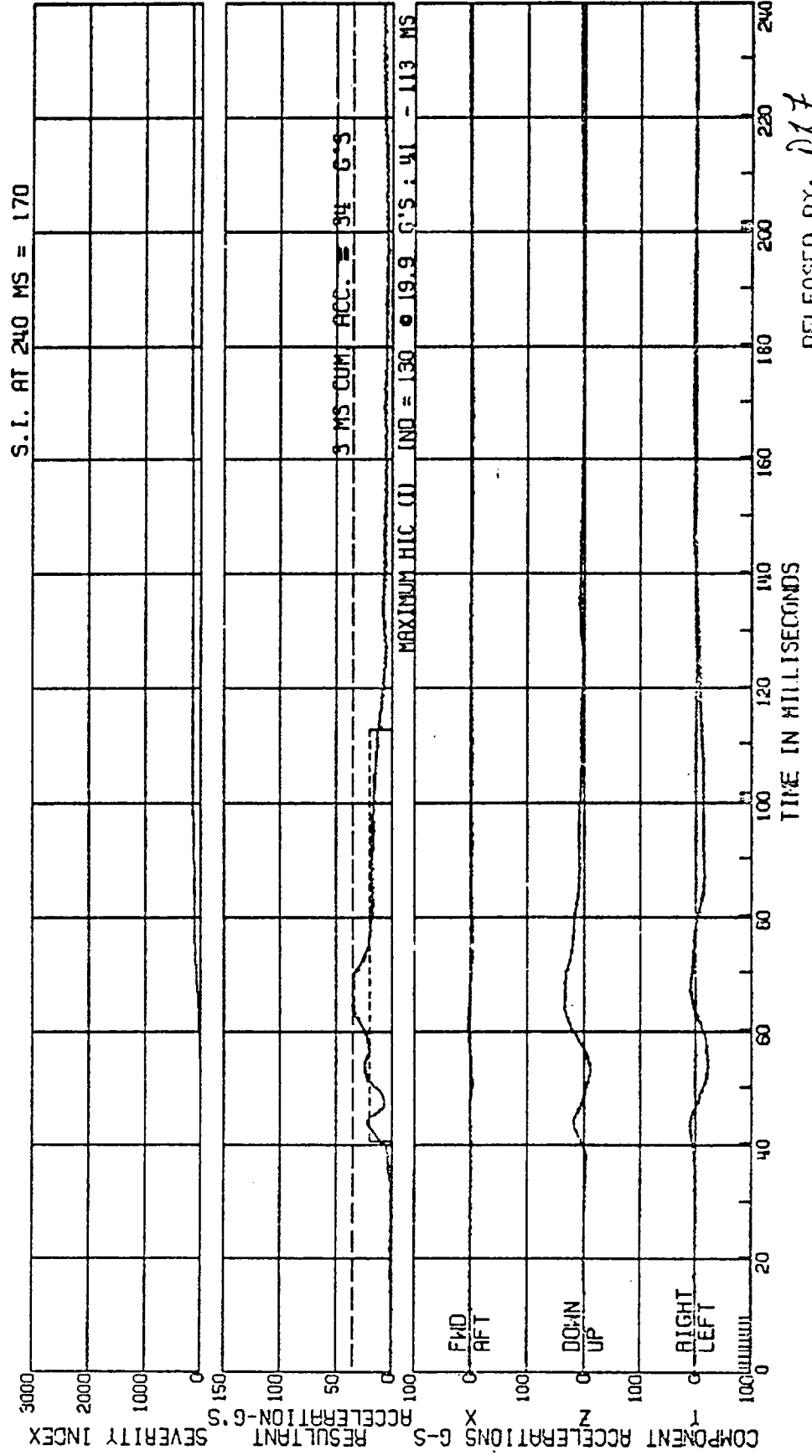
C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 49
 3865-015
 FISHER BODY UC420 4CX11 STRUCK PASS-SIDE B-PILLAR @ BELTLINE DISP. TEST DATE: 02-06-85
 A-D DATA SAE CLASS 60



C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8 KM/H FIGURE 50
 3865-015
 FISHER BODY UC420 4CX11 STRUCK COMPUTED B-PILLAR ϕ BELTLINE VELOCITY TEST DATE: 02-06-85
 A-D DATA SAE CLASS 15 (1ST DIFFERENTIATION OF DISPLACEMENT)



C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 5/
 3865-015
 FISHER BODY UC420 4CX11 STRUCK R FRT HEAD ACCEL. GM50SI TEST DATE: 02-06-85
 A-D DATA



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C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 53

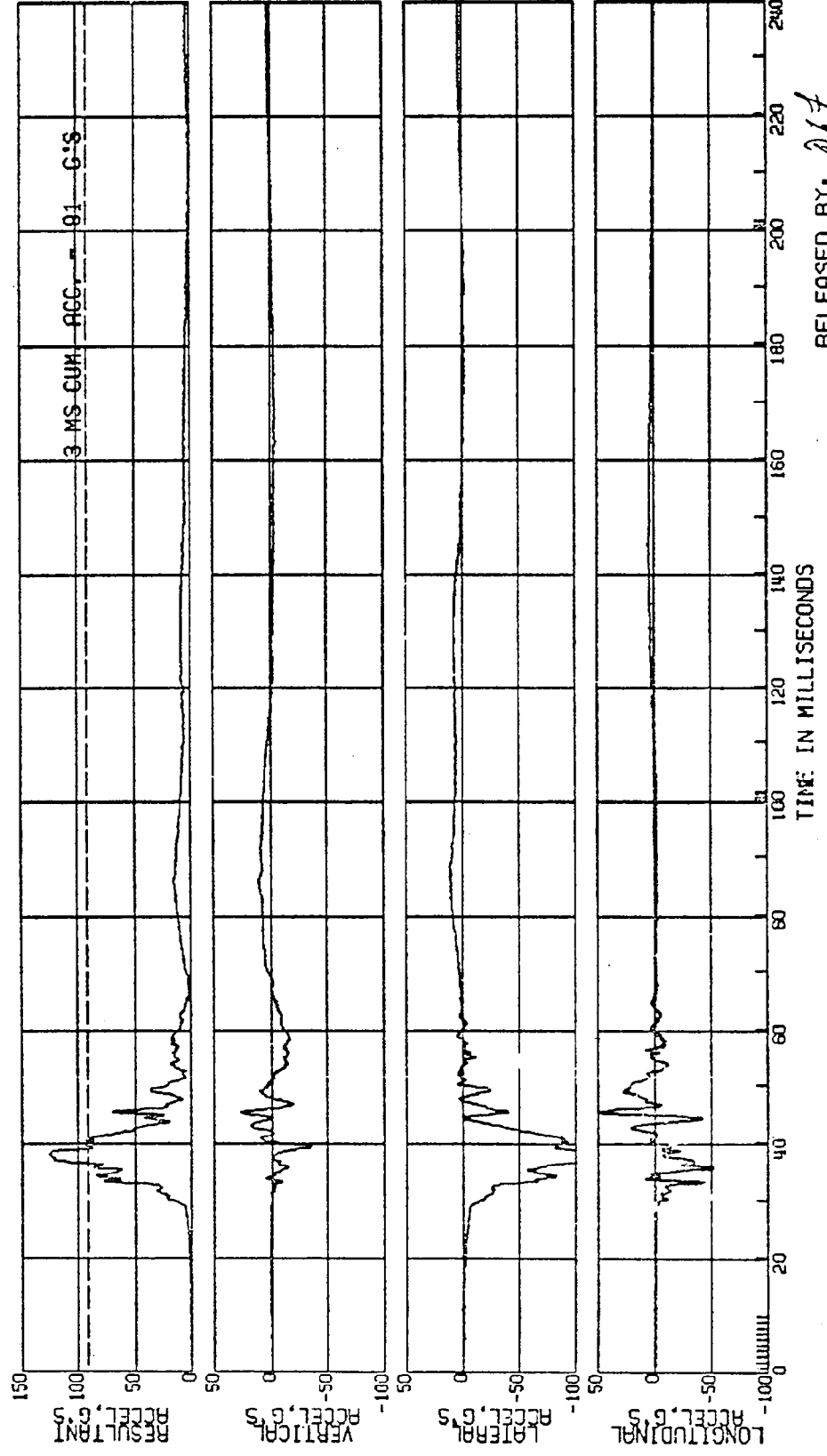
3865-015

FISHER BODY UC420 4CX11 STRUCK

R FRT PELVIC ACCEL. GM50SI

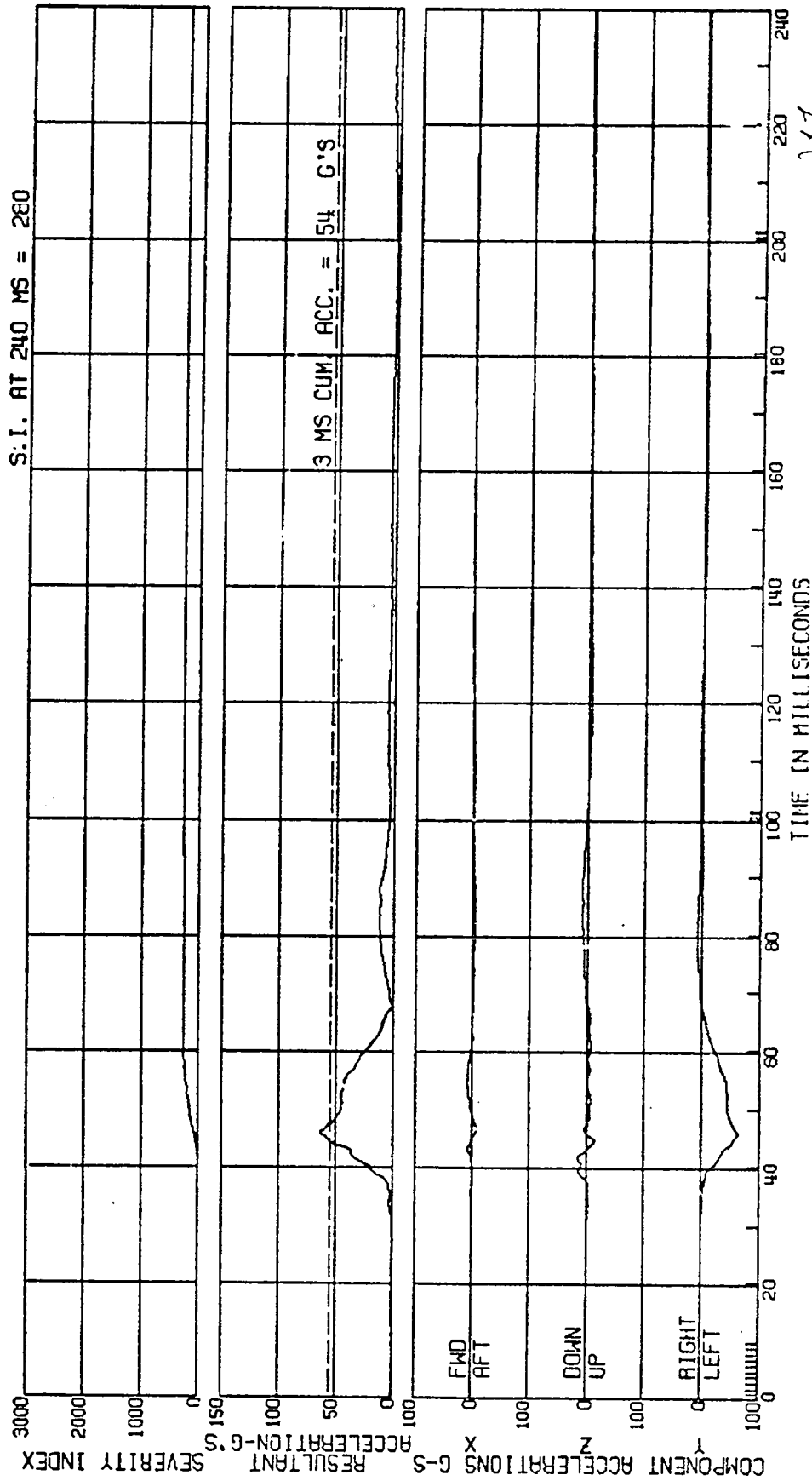
TEST DATE: 02-06-85

A-D DATA SAE CLASS 600

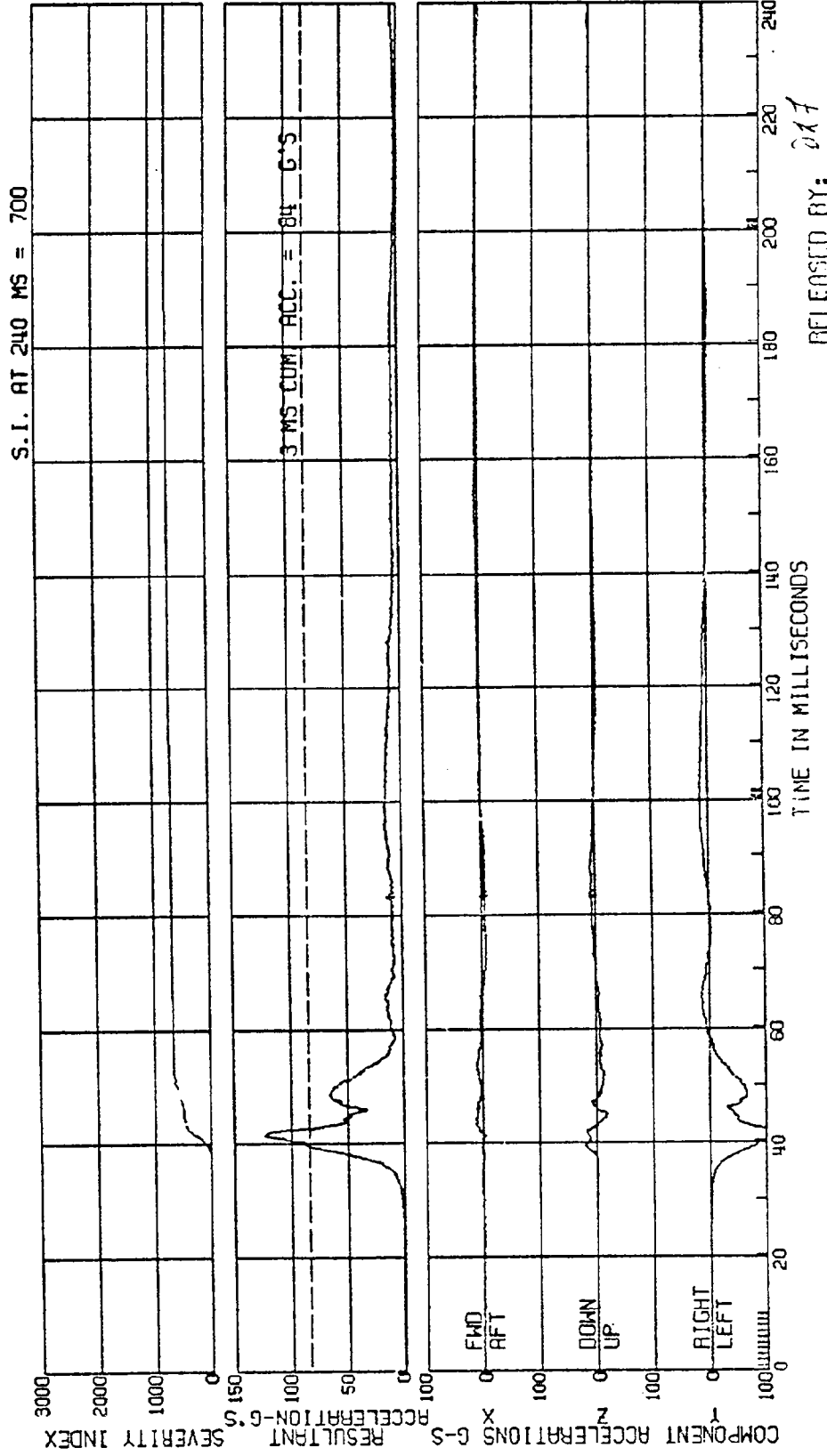


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JUN 10 1985

C6150A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 52
 3865-015
 FISHER BODY UC420 4CX11 STRUCK R FRT CHEST ACCEL. GM50SI TEST DATE: 02-06-85
 A-D DATA SAE CLASS 180



C6150A RIGHT SIDE IMPACT
 MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 54
 3865-015
 R FRT LOWER SPINE ACCEL. GM50SI
 TEST DATE: 02-06-85
 FISPER BODY UC420 4CX11 STRUCK
 A-D DATA



RELEASED BY: 017

CG150A RIGHT SIDE IMPACT

3865-015

FISHER BODY UC420 4CX11 STRUCK

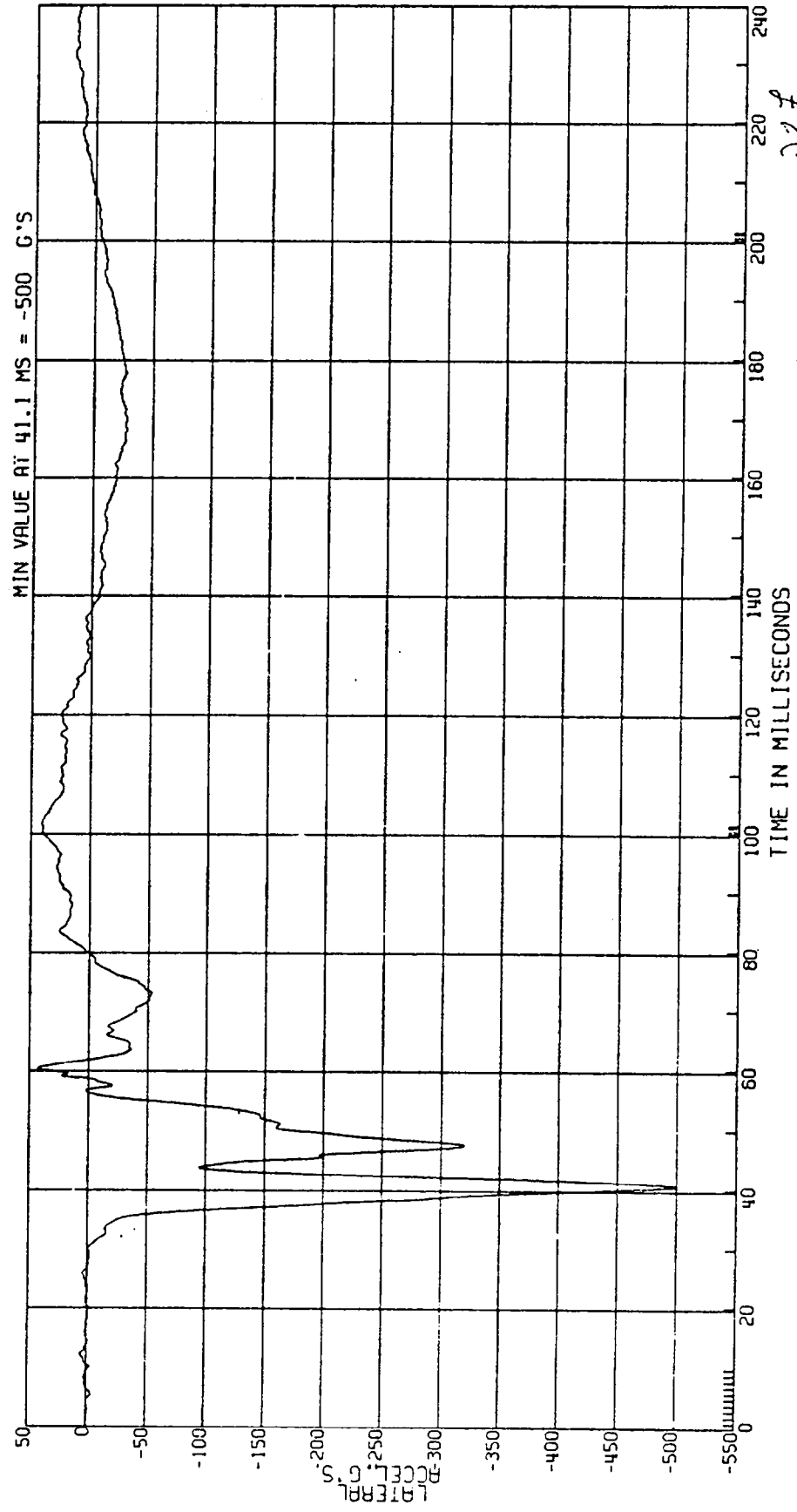
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 55

R FRT RIGHT UPPER RIB ACCEL. CM50SI

TEST DATE:02-06-85



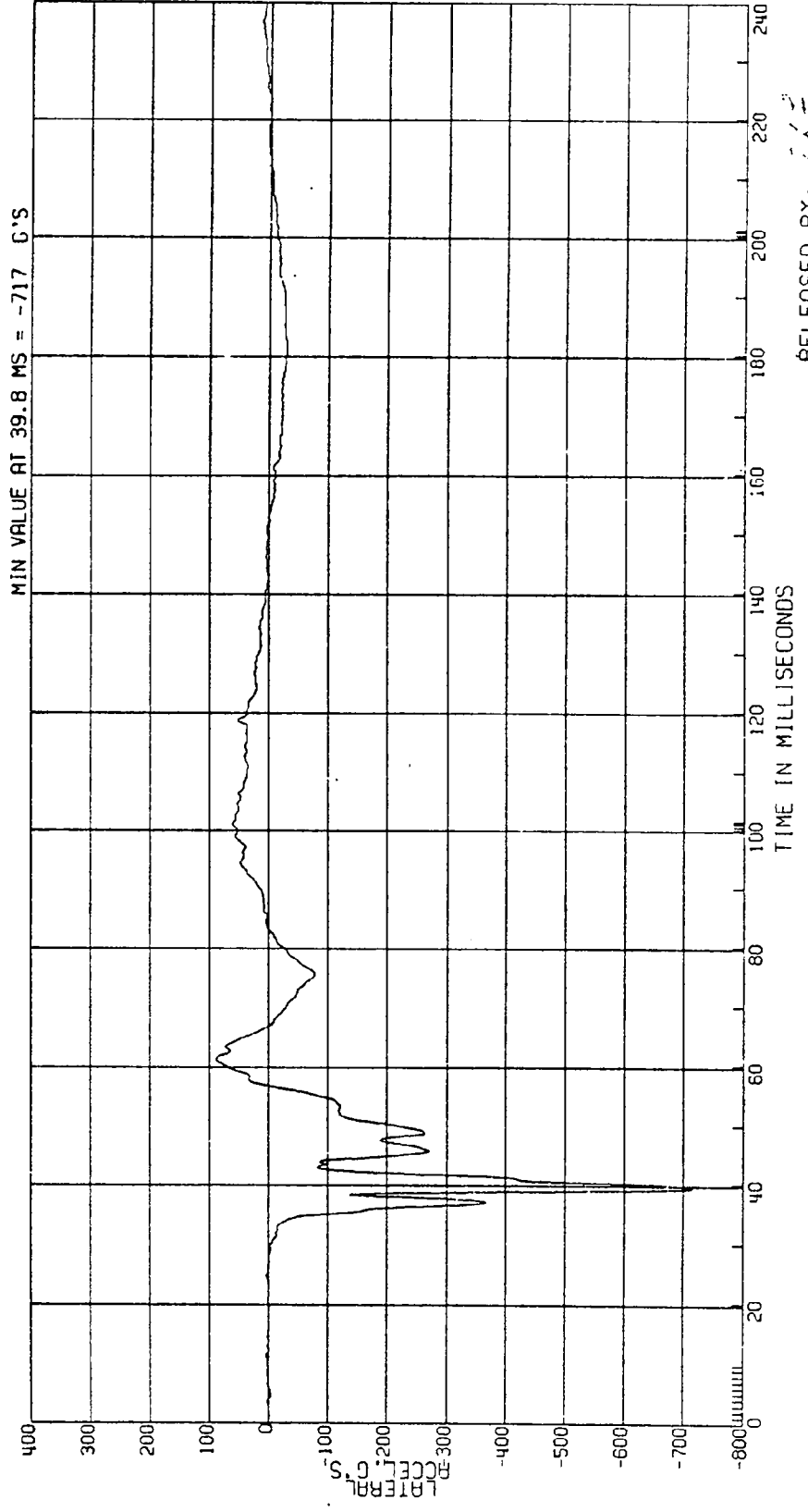
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C6150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

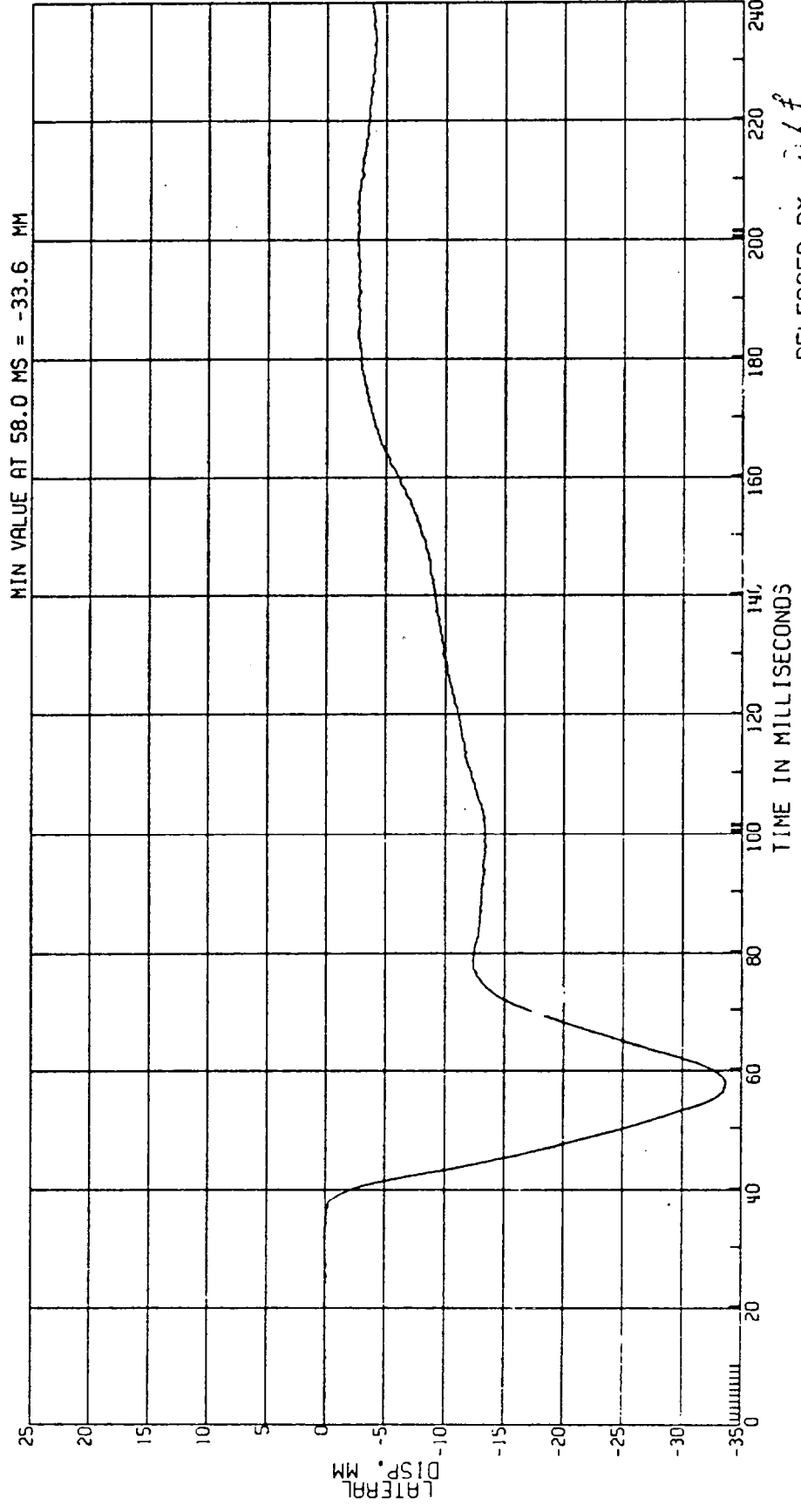
MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 5
R FRT RIGHT LOWER RIB ACCEL. GM50SI

TEST DATE:02-06-85



6015UH HIGH SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

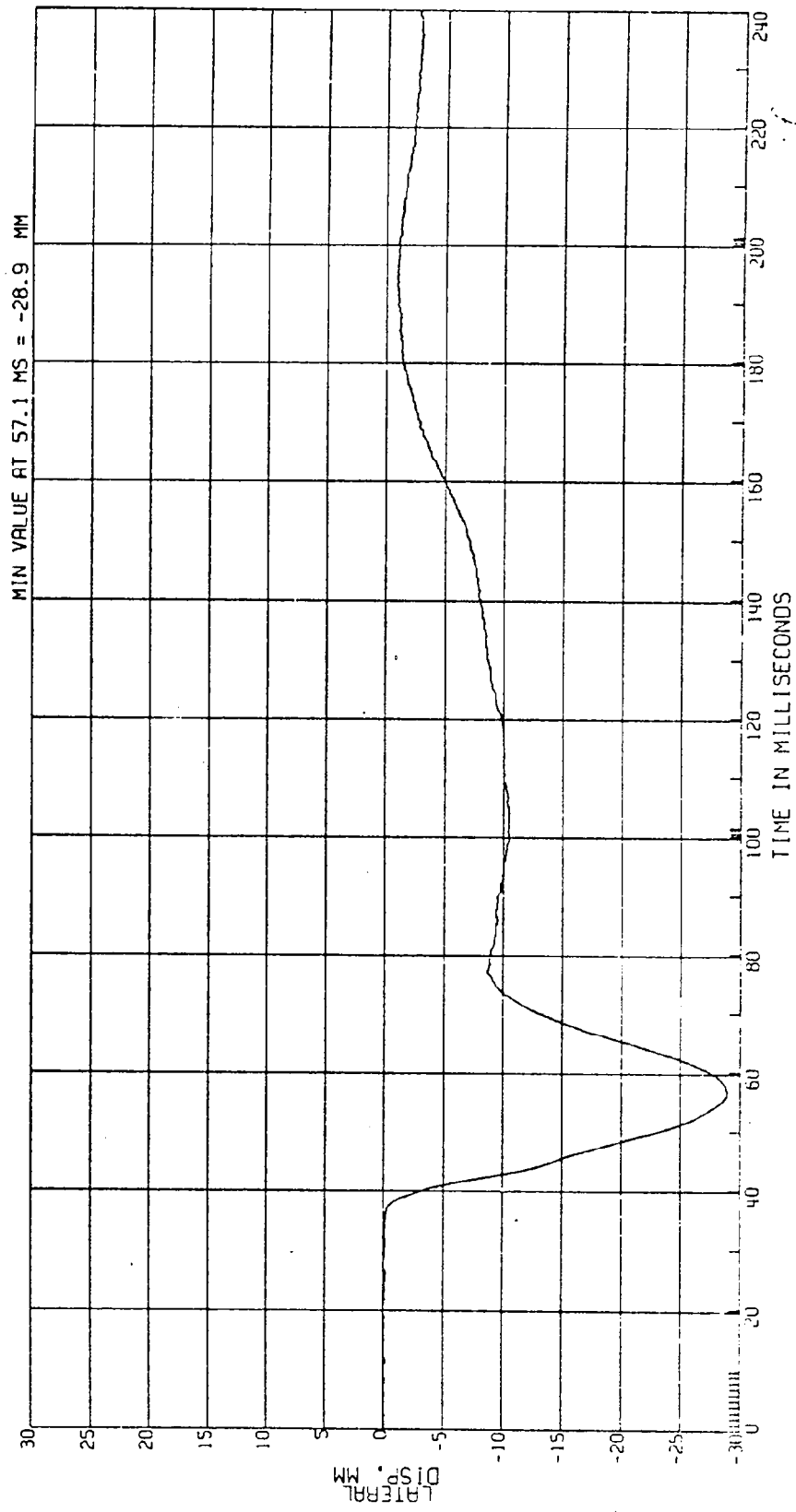
MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 57
R FRT RIGHT UPPER RIB DISP. GM50SI
TEST DATE:02-06-85



RELEASED BY: 013
1 PROCESSED 5 MAR 85 01:28

CG150A RIGHT SIDE IMPACT
3865-015
FISHER BODY UC420 4CX11 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 3.5
R FRT RIGHT LOWER RIB DISP. GM50SI
TEST DATE:02-06-85



RELEASED BY: 11
2 PROCESSED 5 MAR 85 01:38

C6150A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE

59

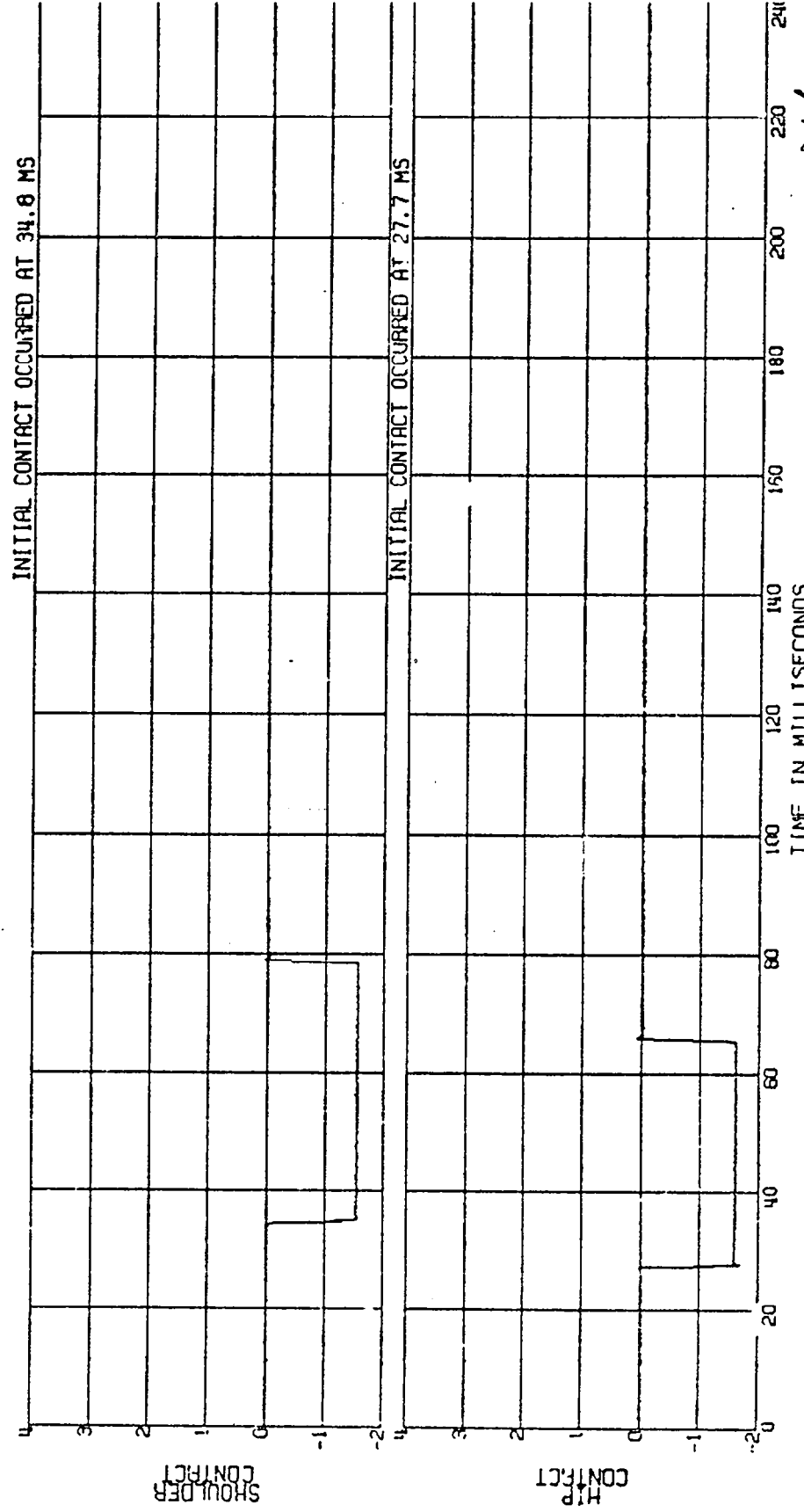
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FISHER BODY UC420 4CX11 STRUCK

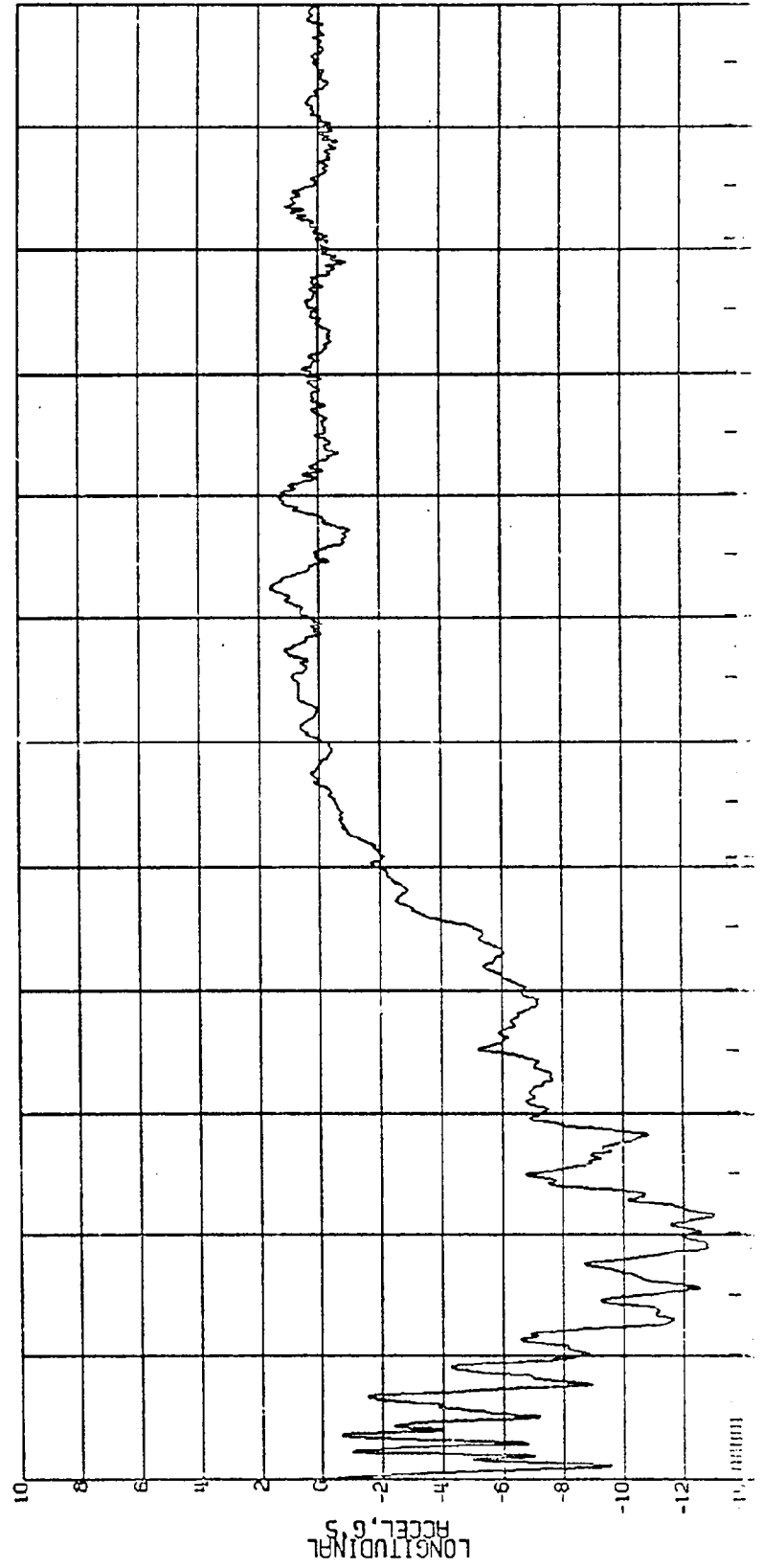
LATERAL RT FRT DOOR CONTACT

TEST DATE:02-06-89

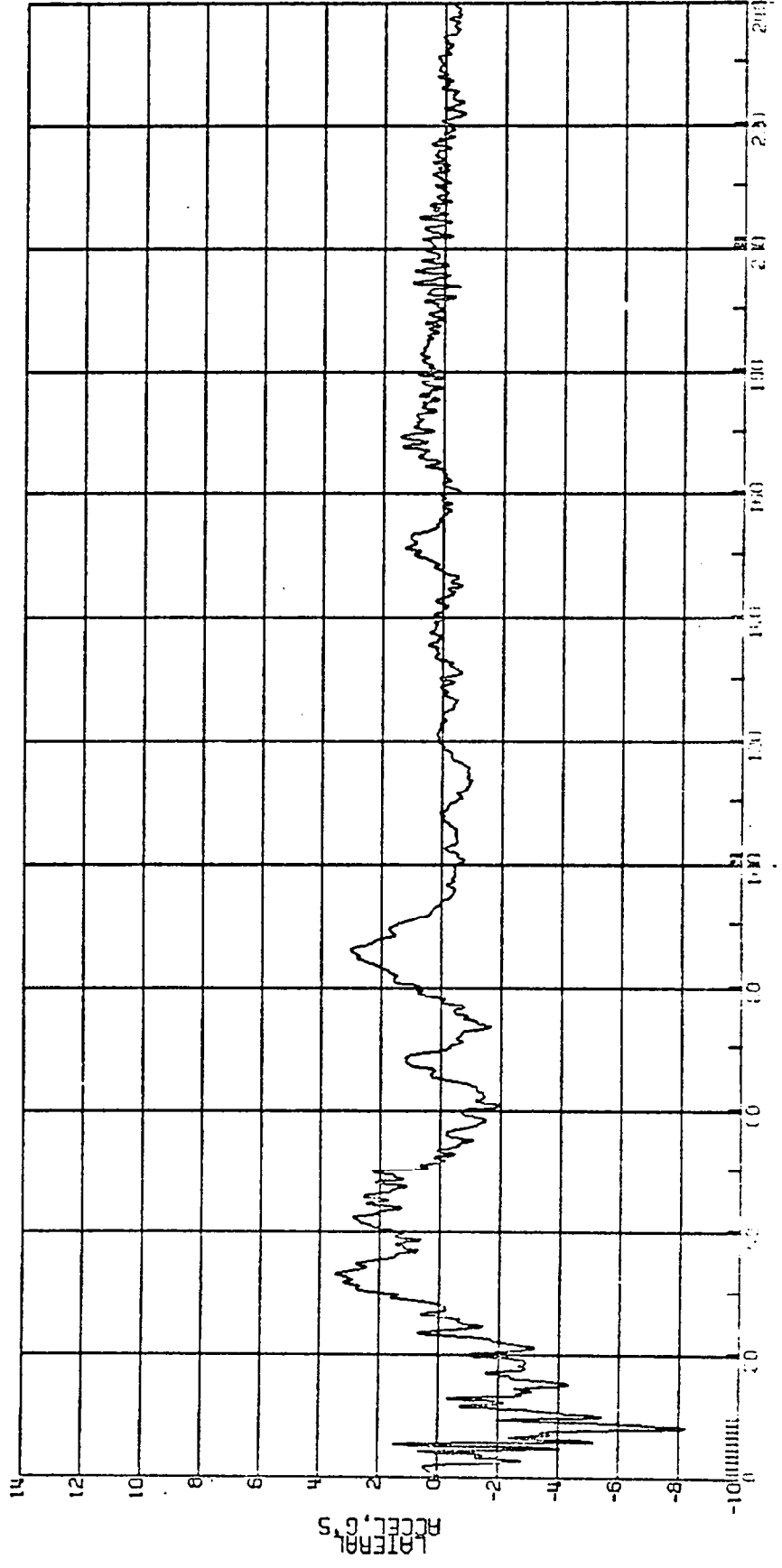
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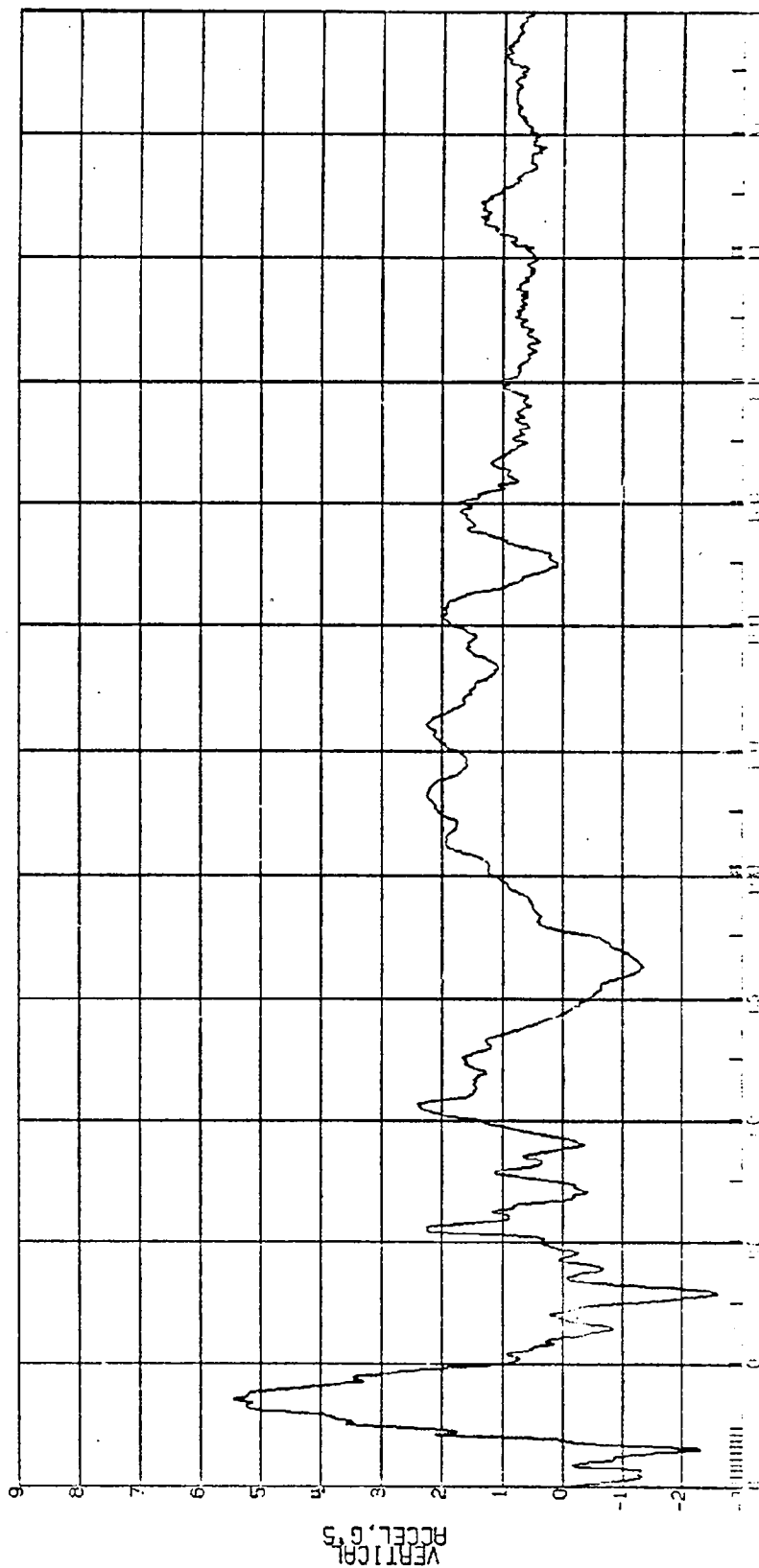
C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 60
3865-015
FISHER BODY NHTSA BPAA. STRIKE
A-D DATA SAE CLASS 60 TEST DATE:02-06-85



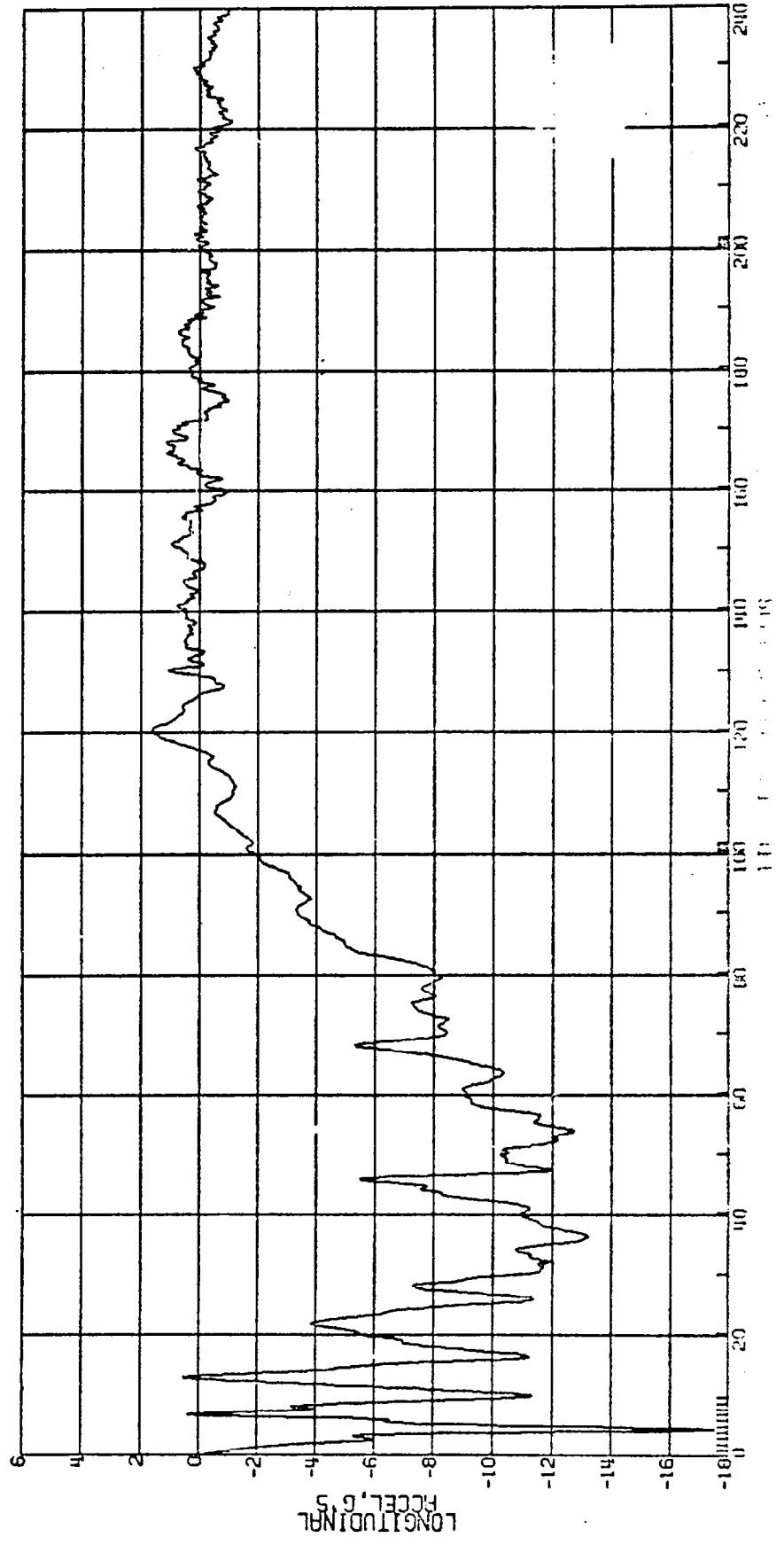
C61508 RIGHT SIDE IMPACT
 3865-015
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 60
 MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 61
 OR-SIDE STRIKING BARR. FRONT ACCEL.
 TEST DATE: 02-06-85



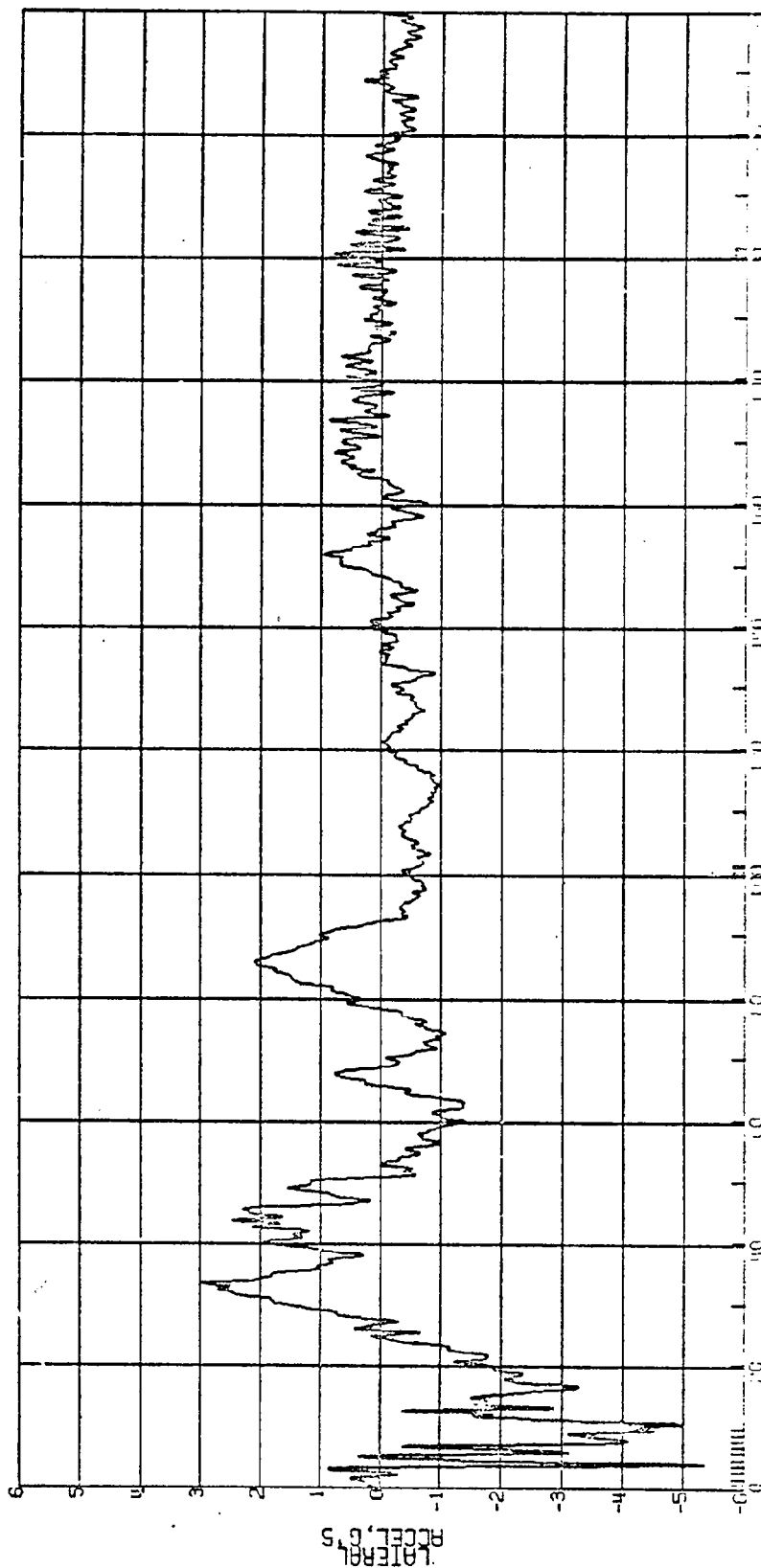
C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 62
3865-015
FISHER BODY NHISA BARR. STRIKE DR-SIDE STRIKING BARR. FRONT ACCEL.
A-D DATA SAE CLASS 60 TEST DATE: 02-06-85



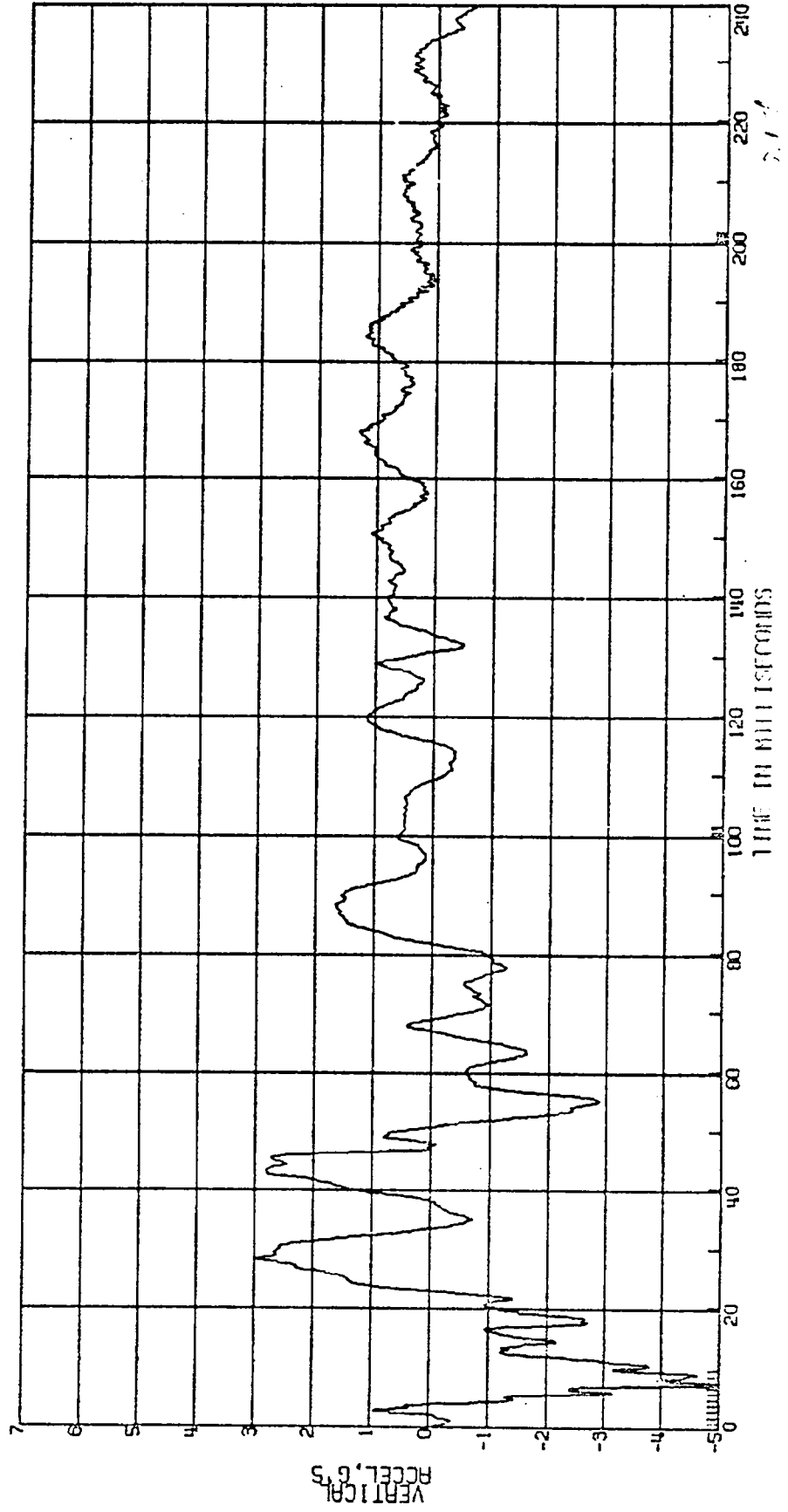
061508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 63
3865-015
FISHER BODY NHTSA BARR. STRIKE PASS-SIDE STRIKING BARR. FRONT ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:02-06-85



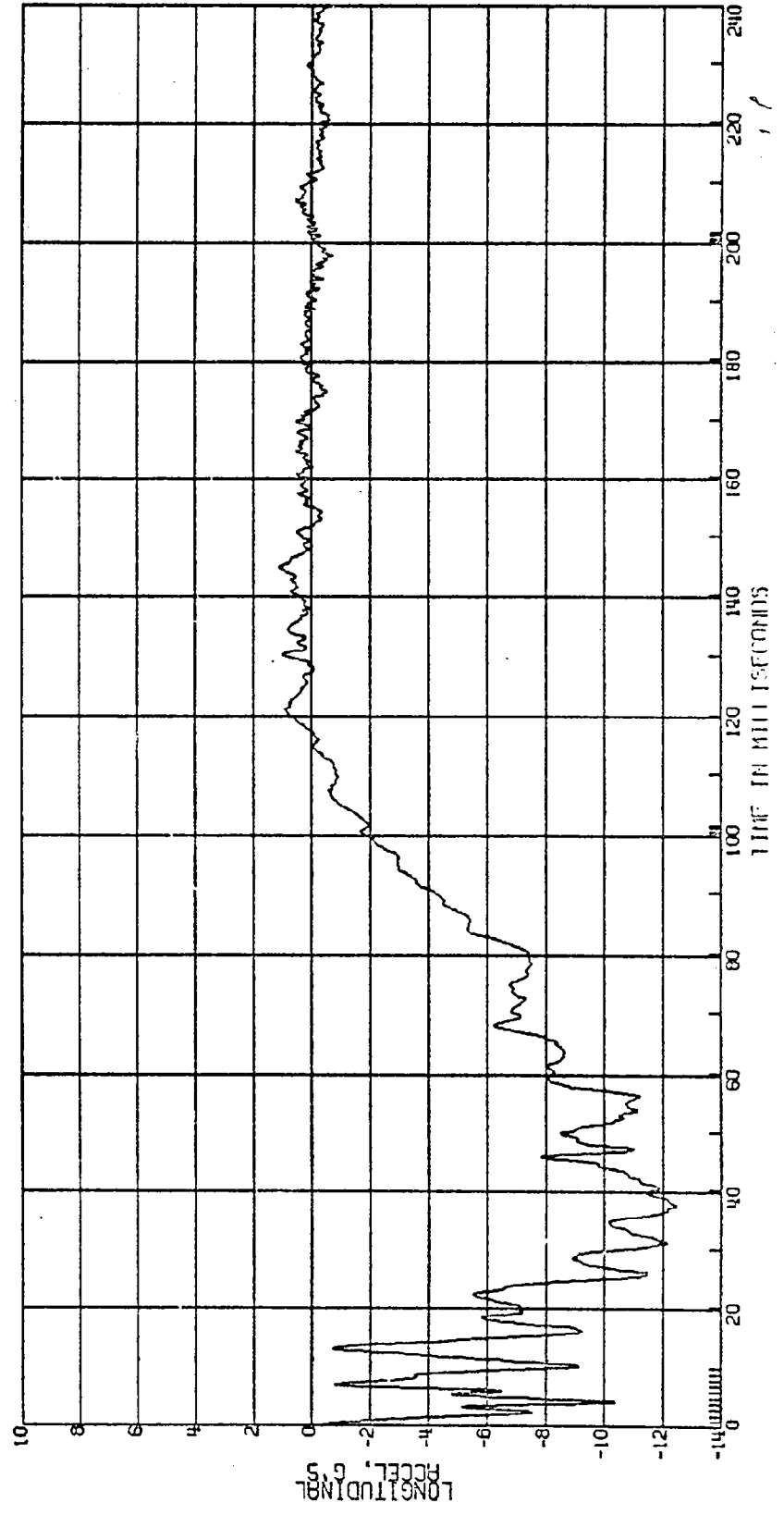
C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 24
 3865-015
 FISHER BODY NHTSA BARR. STRIKE PASS-SIDE STRIKING BARR. FRONT ACCEL. TEST DATE:02-06-85
 A-D DATA SAE CLASS 60



C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 65
3865-015
FISHER BODY NHTSA BARR. STRIKE PASS-SIDE STRIKING BARR. FRONT ACCEL. TEST DATE: 02-06-85
A-D DATA SAE CLASS 60



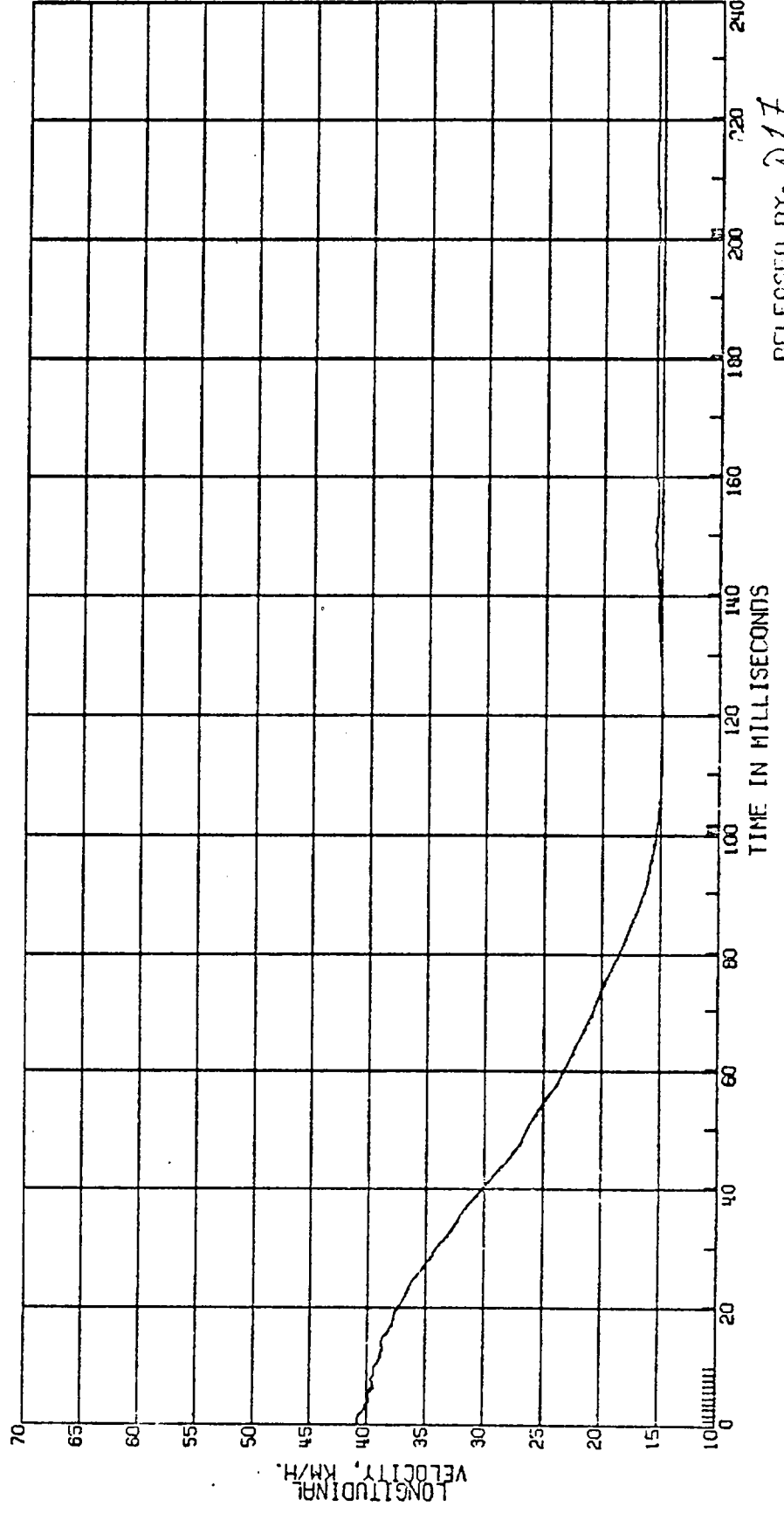
C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8 KM/H FIGURE 66
 3865-015 FISHB BODY NHTSA BARR. STRIKE AVERAGED DRIVER & PASSENGER SIDES TEST DATE: 02-06-85
 A-D DATA SAE CLASS 60 AVERAGED STRIKING BARR-FRONT ACCEL



C61508 RIGHT SIDE IMPACT
3865-015
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8 KM/H FIGURE 67
COMPUTED STRIKING BARR-FRT VELOCITY
(1ST INTEGRAL DR-SIDE ACCELERATION)

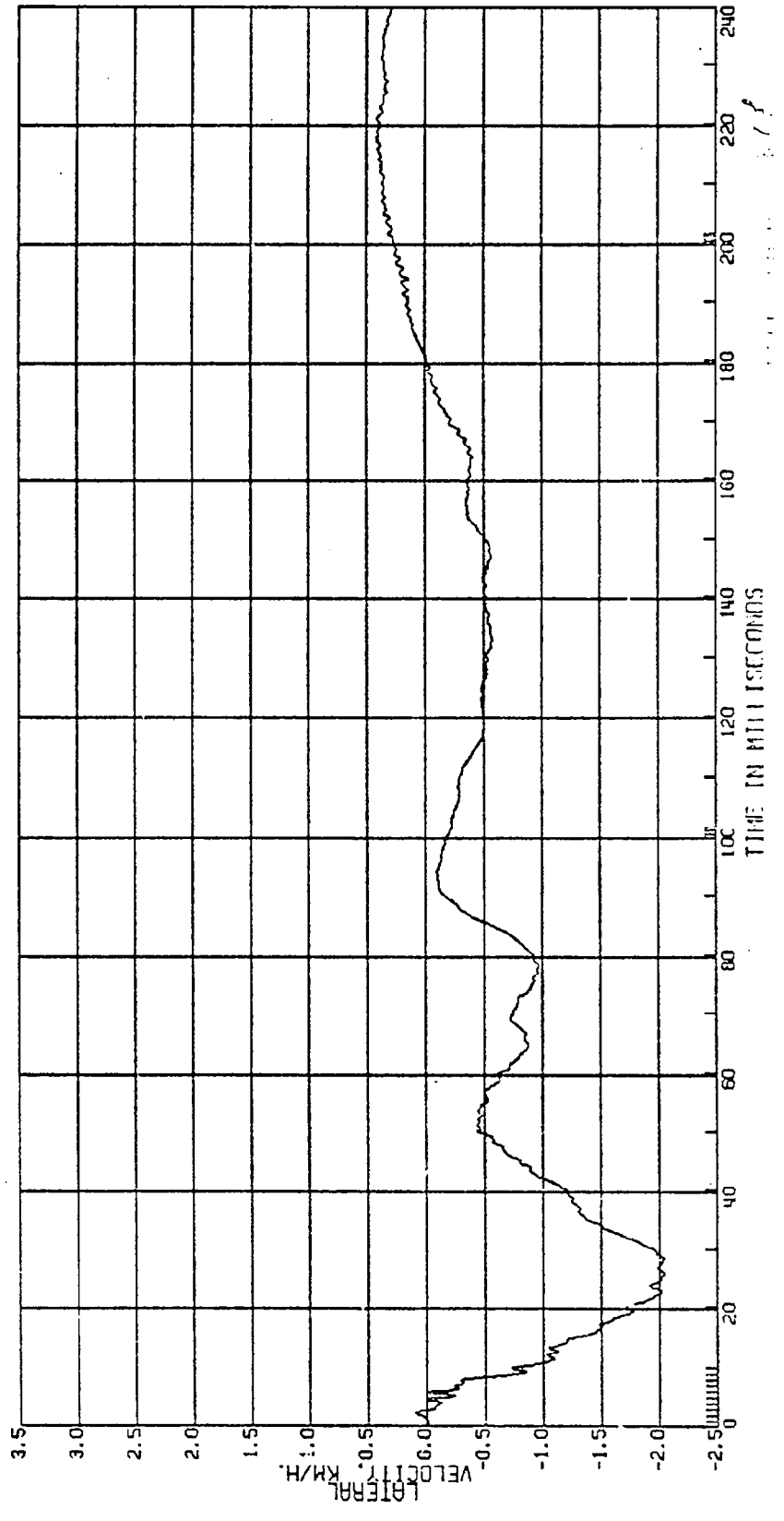
TEST DATE: 02-06-85



RELEASED BY: 217

C61508 RIGHT SIDE IMPACT
3865-015
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 68
COMPUTED STRIKING BARR-FRT VELOCITY
(1ST INTEGRAL DR-SIDE ACCELERATION)
TEST DATE: 02-06-85



C61508 RIGHT SIDE IMPACT

3865-015

FISHER BODY NHTSA BARR. STRIKE

A-D DATA SAE CLASS 180

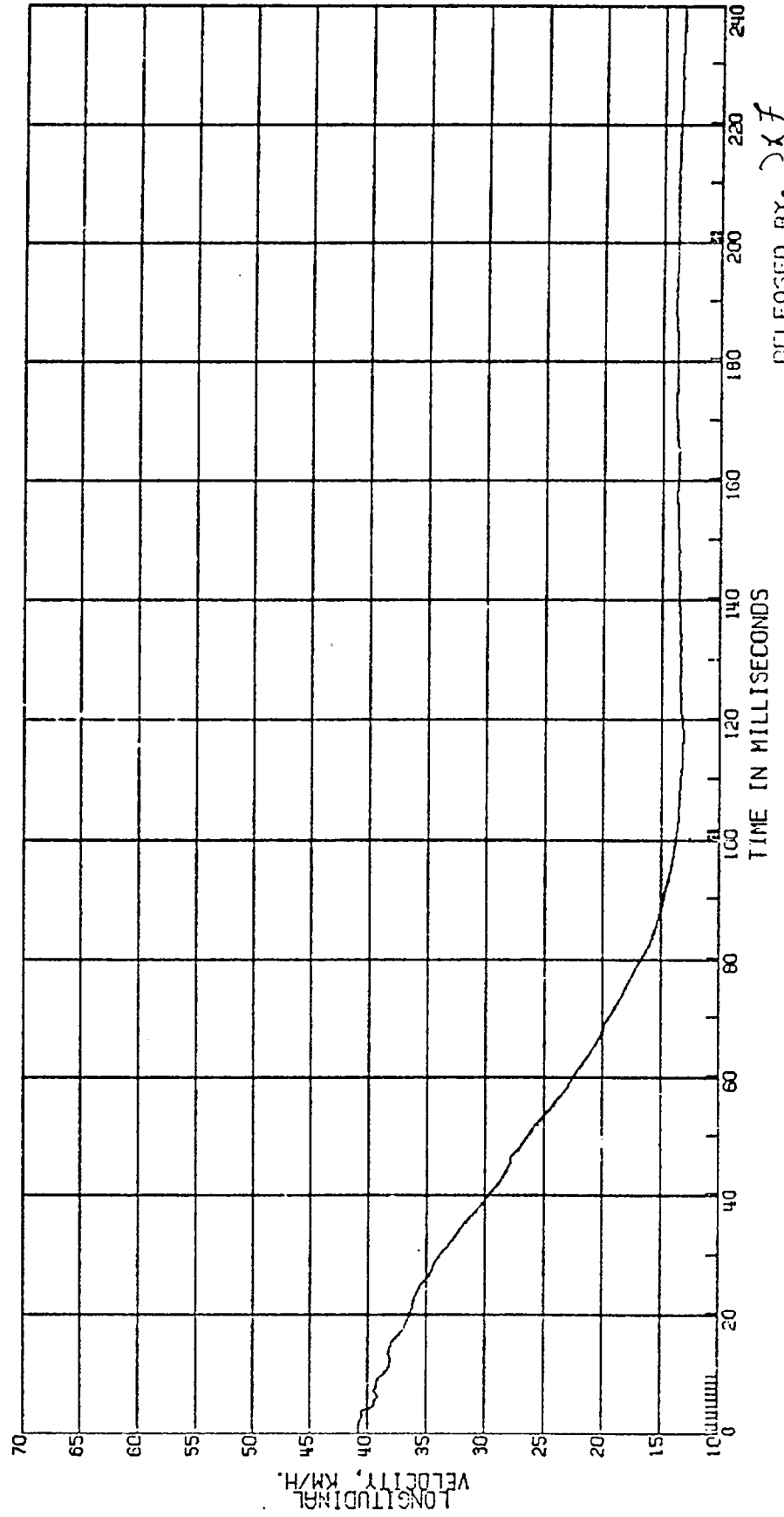
MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 70

COMPUTED STRIKING BARR-FRT VELOCITY

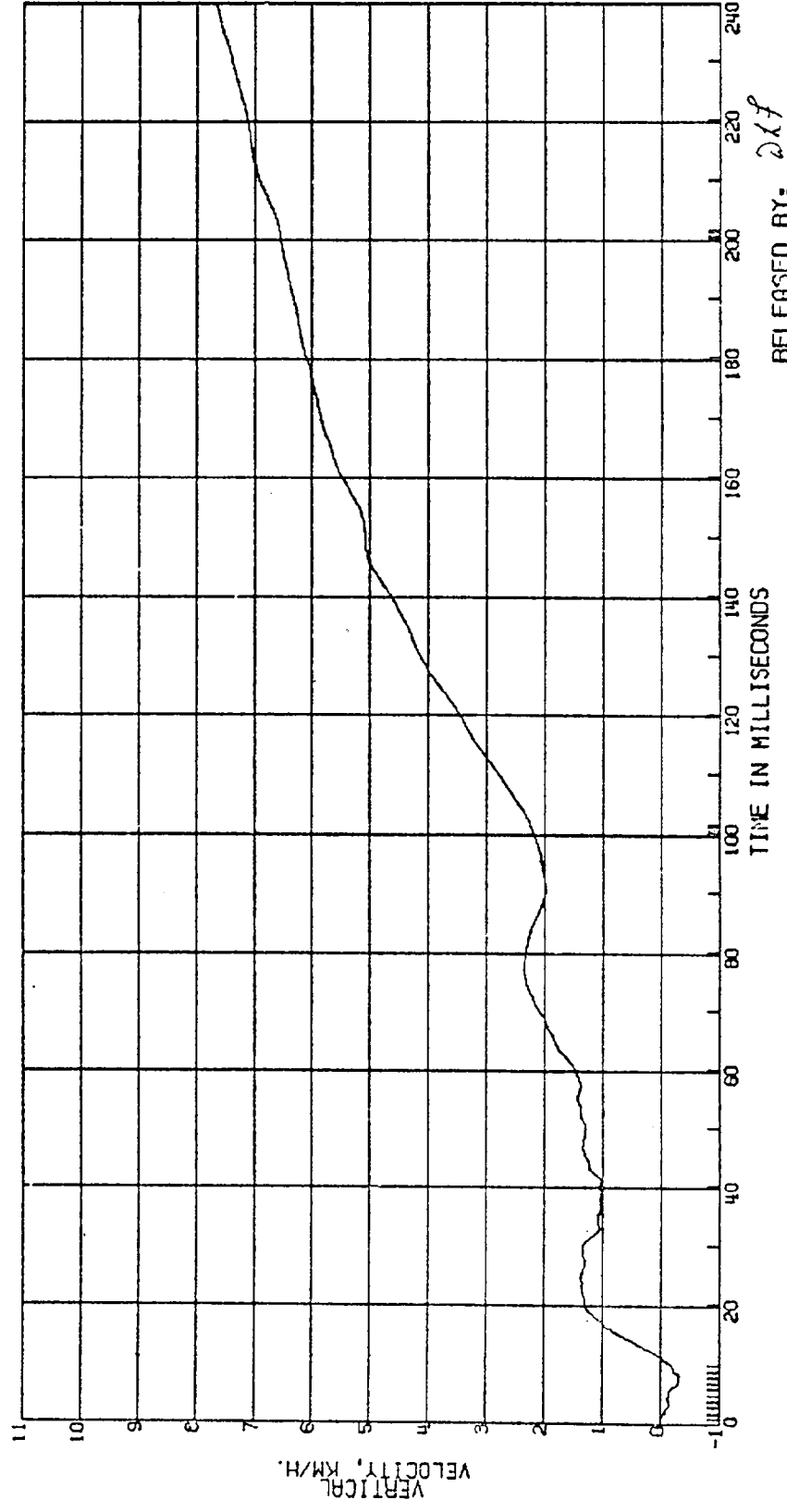
TEST DATE:02-06-85

(1ST INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: JKF

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 69
COMPUTED STRIKING BARR-FRT VELOCITY
(1ST INTEGRAL DR-SIDE ACCELERATION)
TEST DATE: 02-06-85

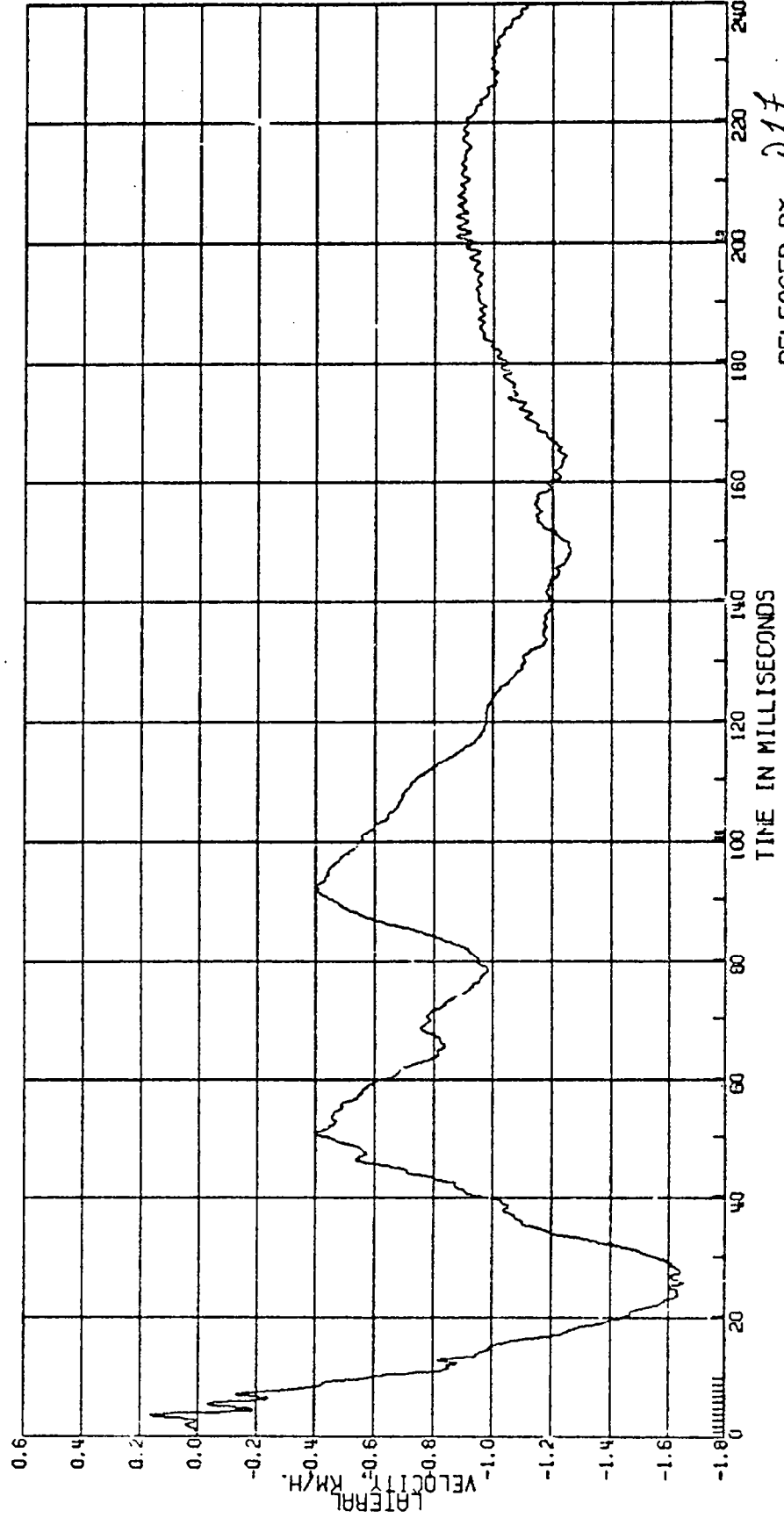


CONDUCT IN FILLING MATERIAL

C61508 RIGHT SIDE IMPACT
3865-015
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 7/
COMPUTED STRIKING BARR-FRT VELOCITY
(1ST INTEGRAL PASS-SIDE ACCELERATION)

TEST DATE:02-06-85



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IN PROCESSED 7 FEB 85 14:50

C61508 RIGHT SIDE IMPACT

3865-015

FISHER BODY NHTSA BARR. STRIKE

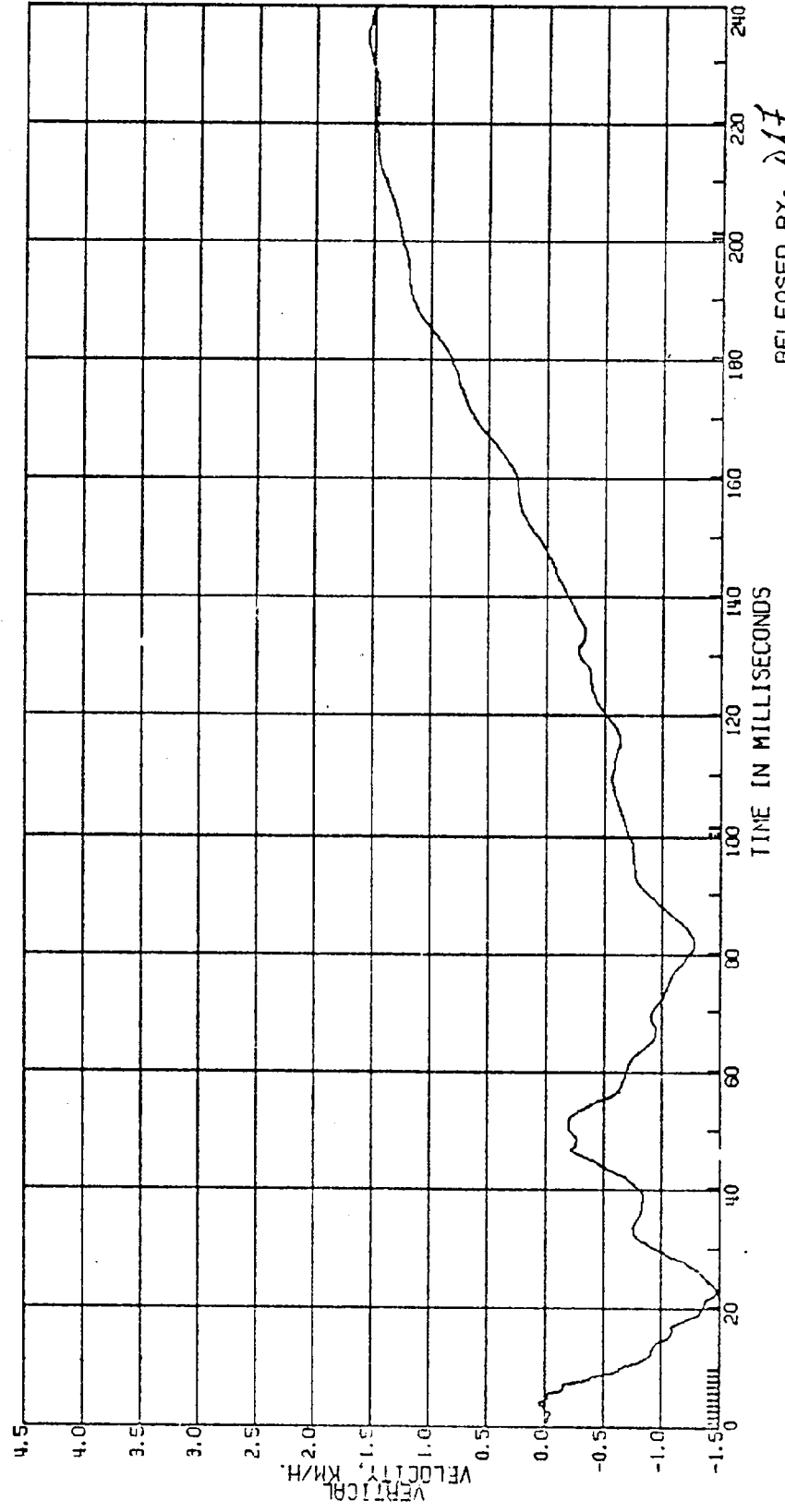
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 72

COMPUTED STRIKING BARR-FRT VELOCITY

TEST DATE:02-06-85

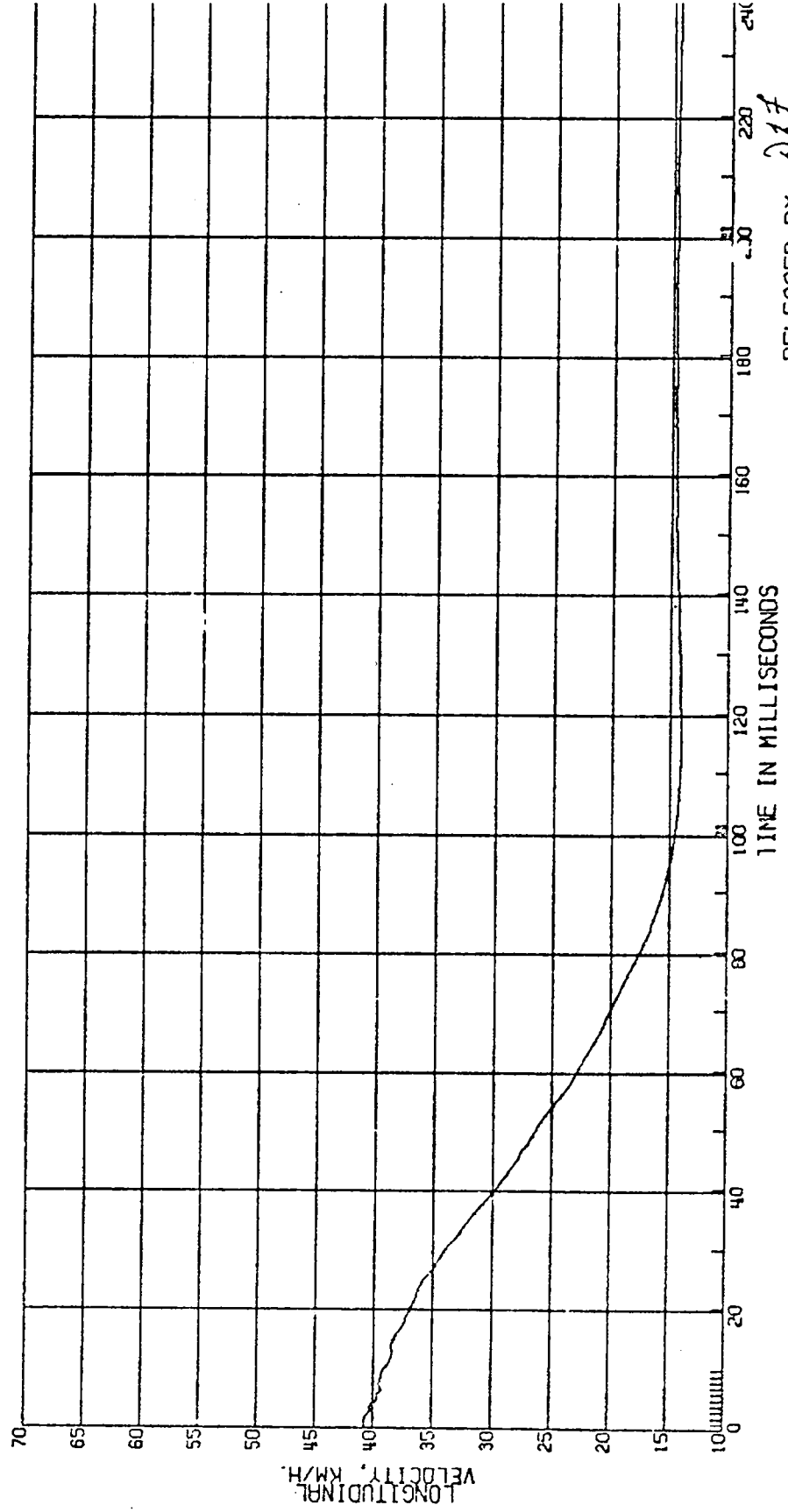
(1ST INTEGRAL PASS-SIDE ACCELERATION)



C61508 RIGHT SIDE IMPACT
3865-015
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

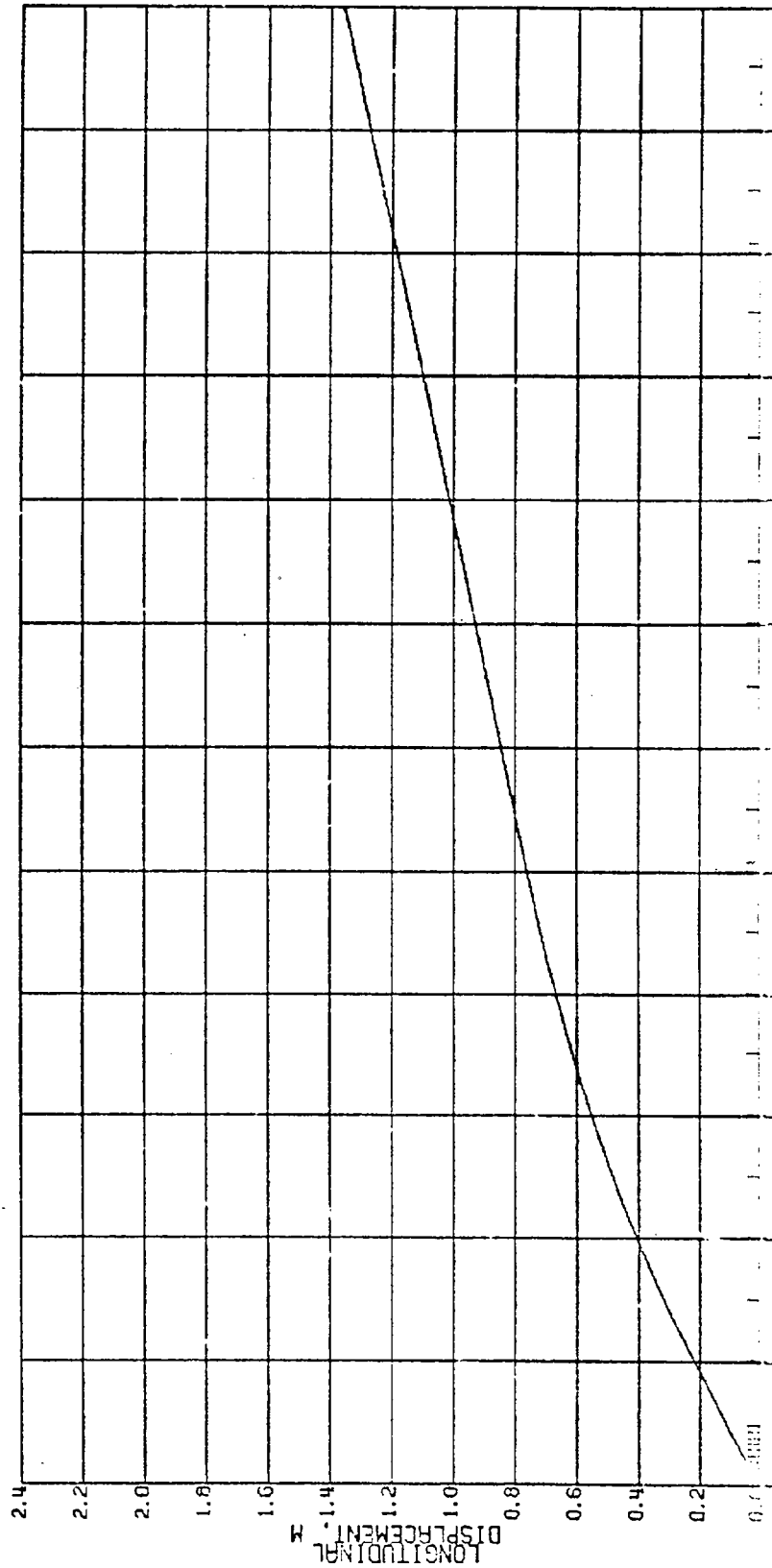
MOVING BARRIER TO PARKED VEHICLE 40.8 KM/H FIGURE 73
COMPUTED STRIKING BARR-FRT VELOCITY
(1ST INTEGRAL AVERAGED ACCELERATION)

TEST DATE: 02-06-89

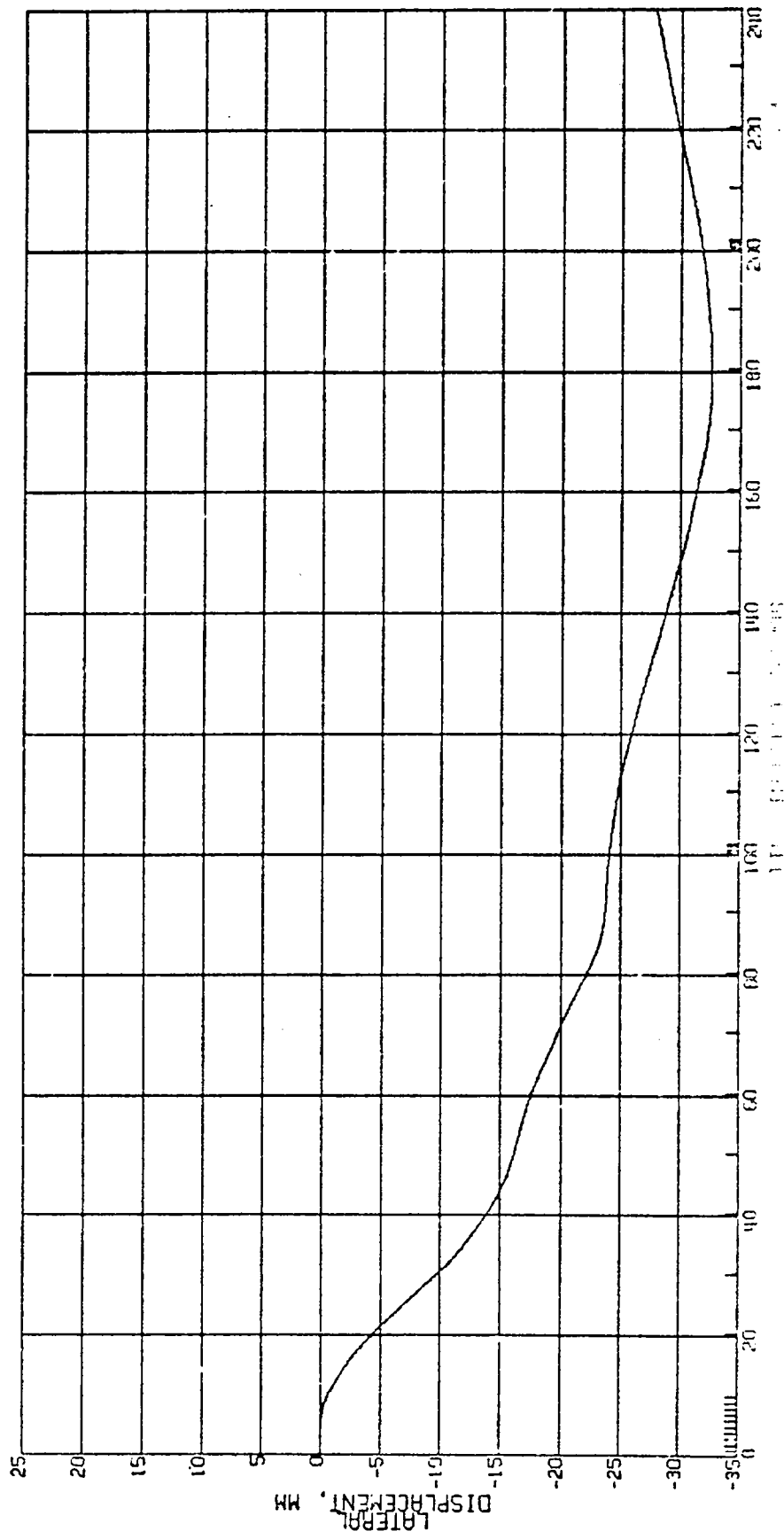


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20 FEBRUARY 7 10 05 1989

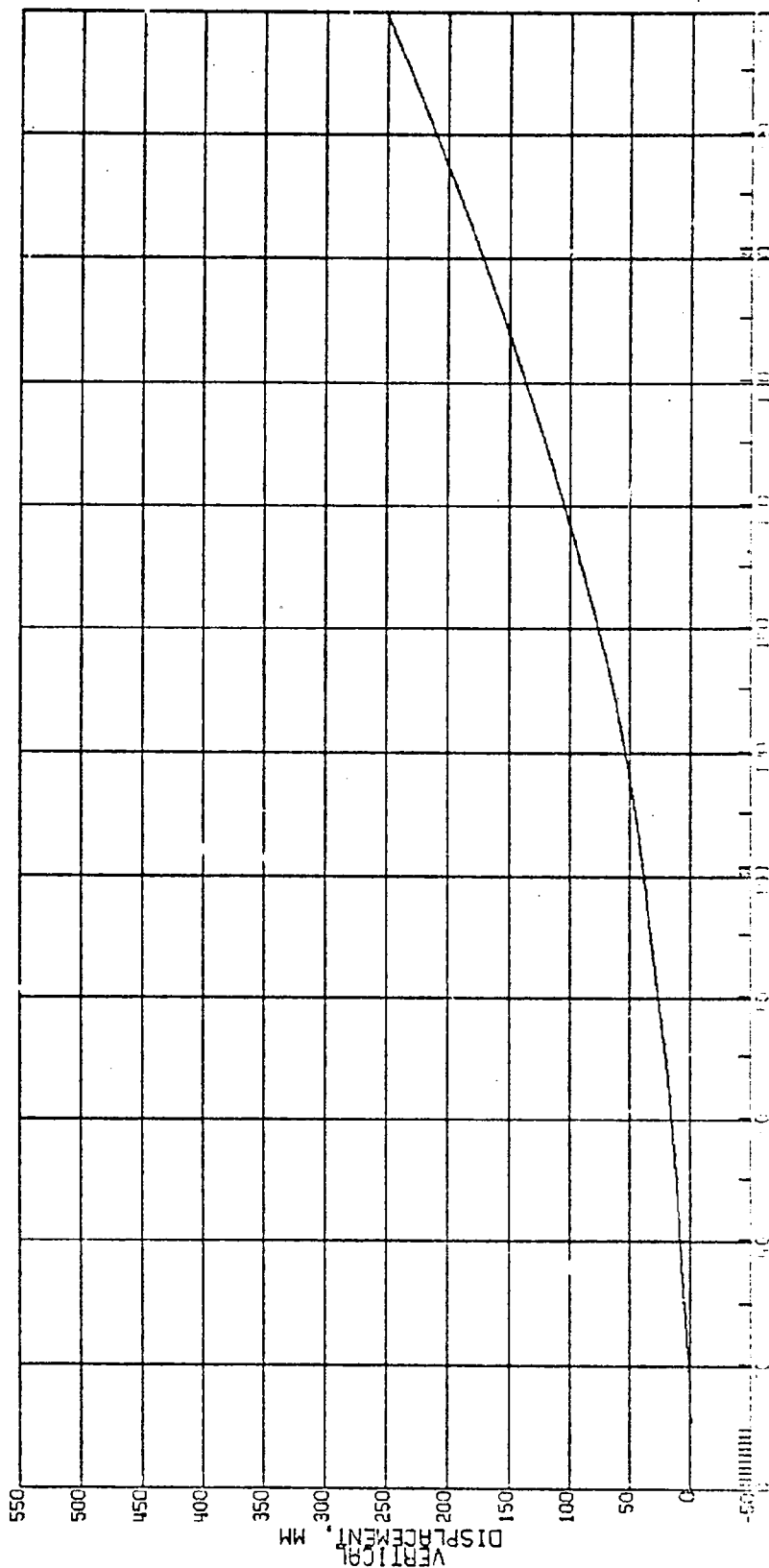
C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 74
 3865-015
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE: 02-06-85
 A-0 DATA SAE CLASS 180 (2ND INTEGRAL DR-SIDE ACCELERATION)



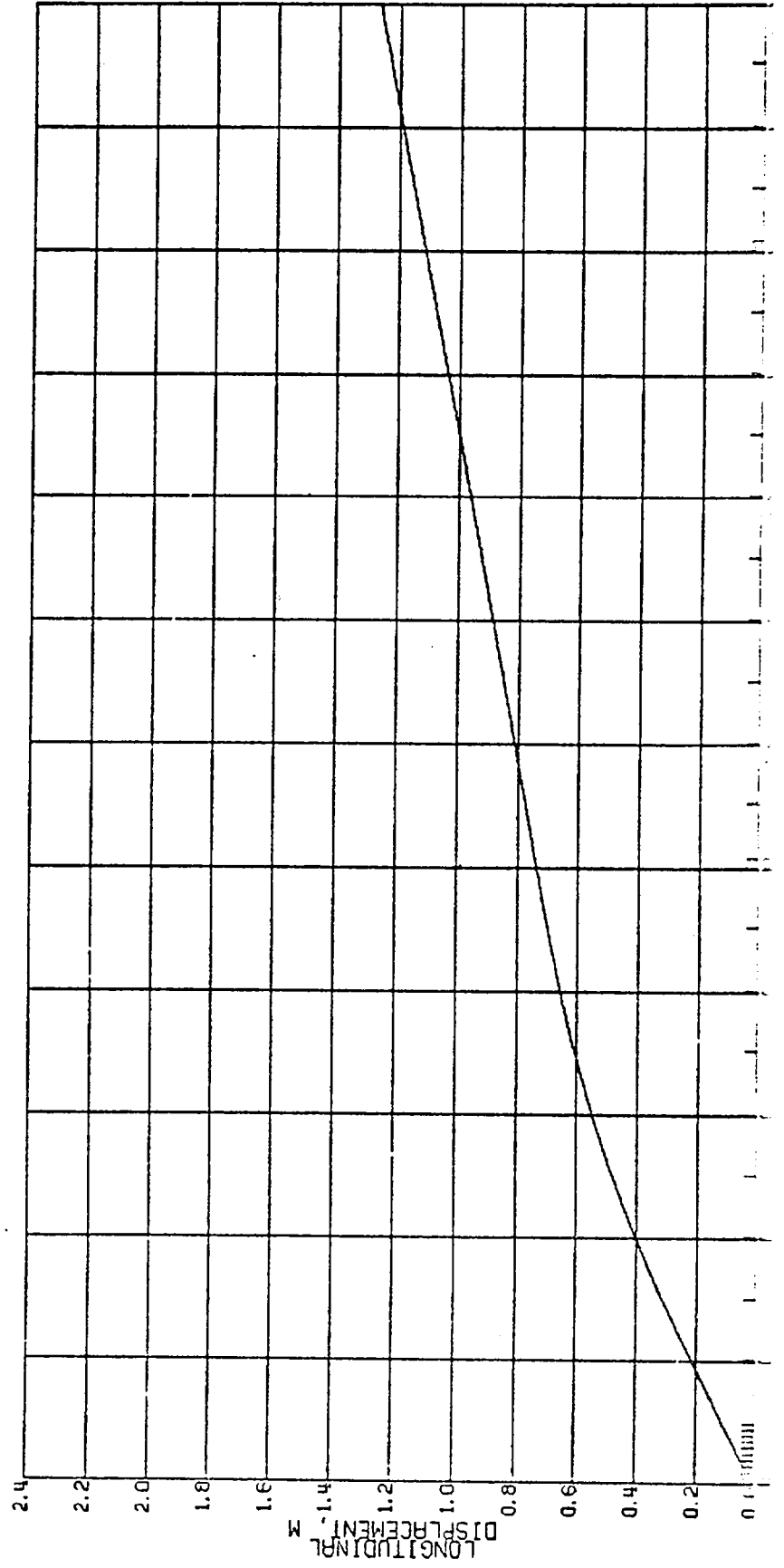
C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 75
 3865-015
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE: 02-06-85
 A-D DATA SAE CLASS 1801 (2ND INTEGRAL DR-SIDE ACCELERATION)



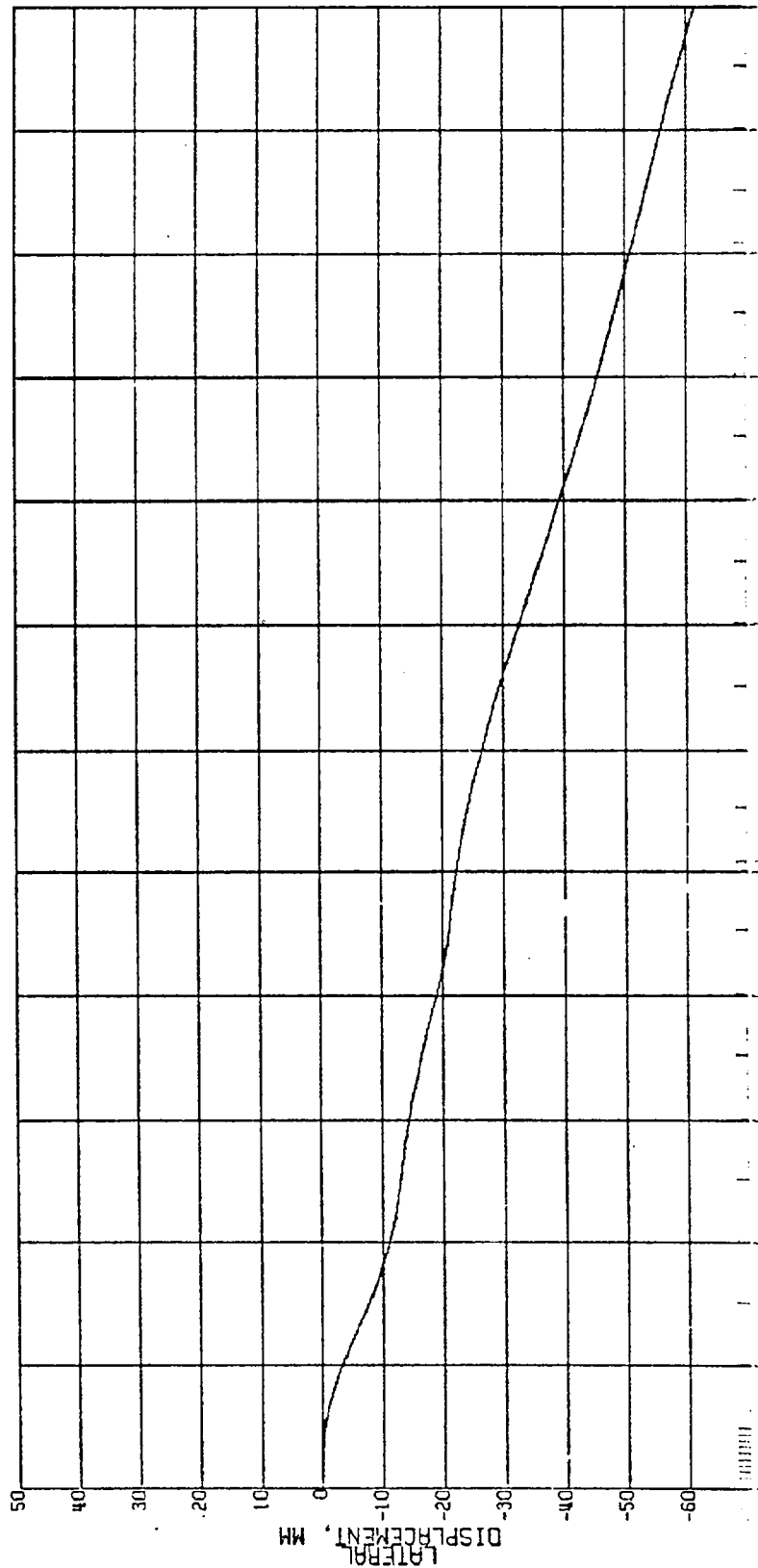
C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 7A
 3865-015
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE:02-06-85
 A-D DATA SAE CLASS 180 (2ND INTEGRAL DR-SIDE ACCELERATION)



C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 77
3865-015
FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE:02-06-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION)



C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 78
 3865-015
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FAT DISPLACEMENT TEST DATE: 02-06-85
 A-D DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION)



C61508 RIGHT SIDE IMPACT
3865-015

FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

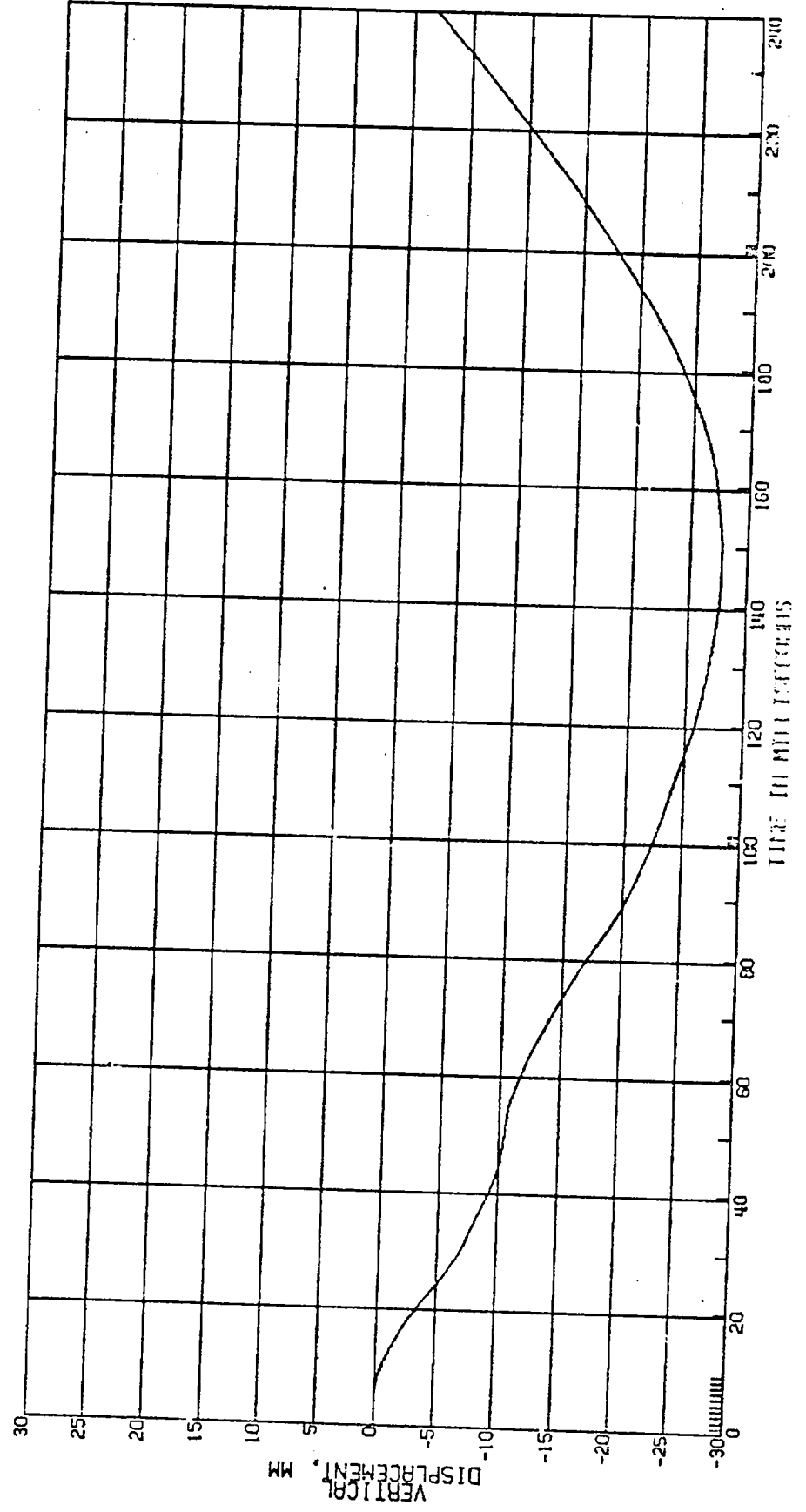
MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 79

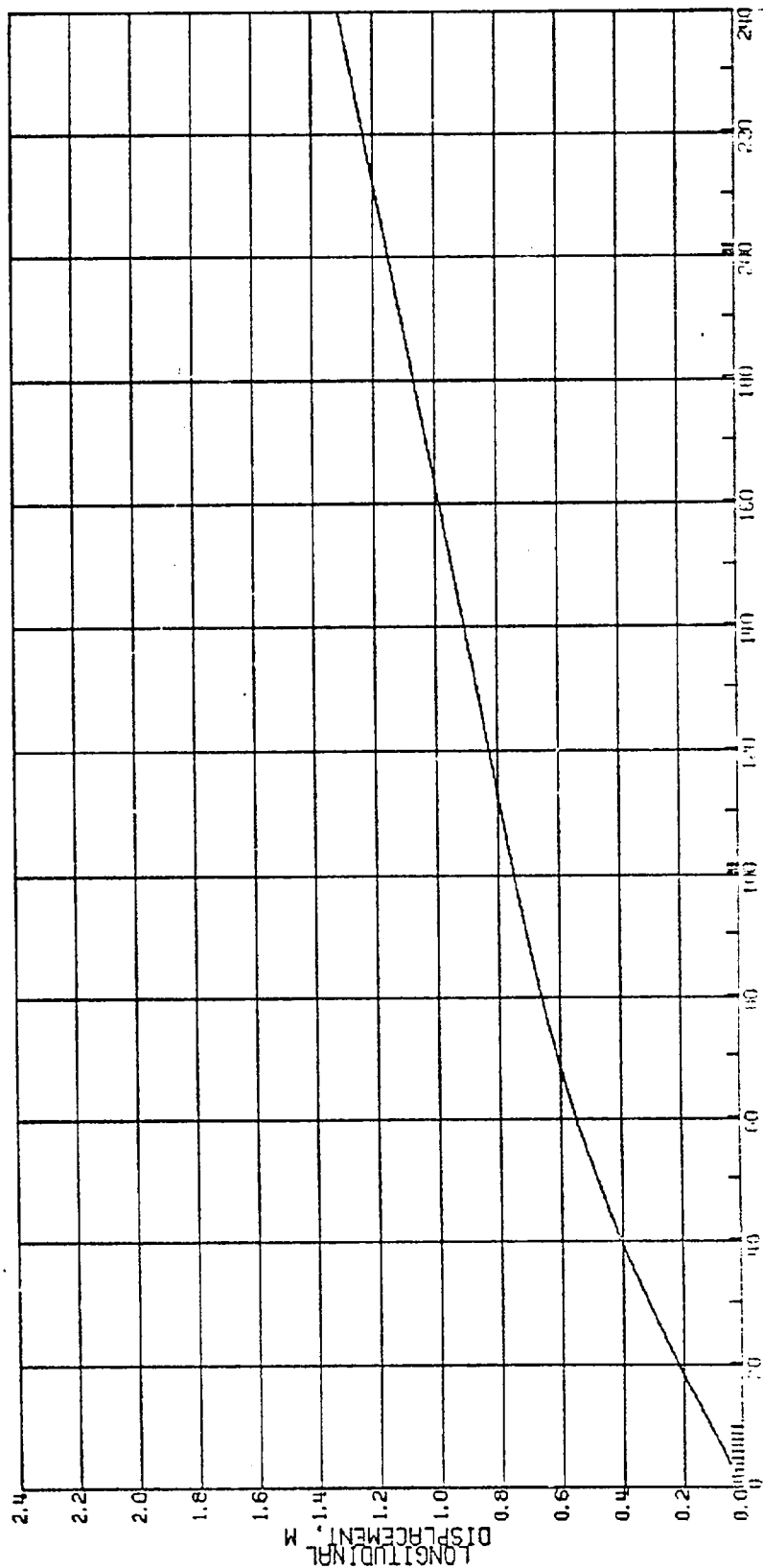
COMPUTED STRIKING BARR-FRT DISPLACEMENT

TEST DATE:02-06-85

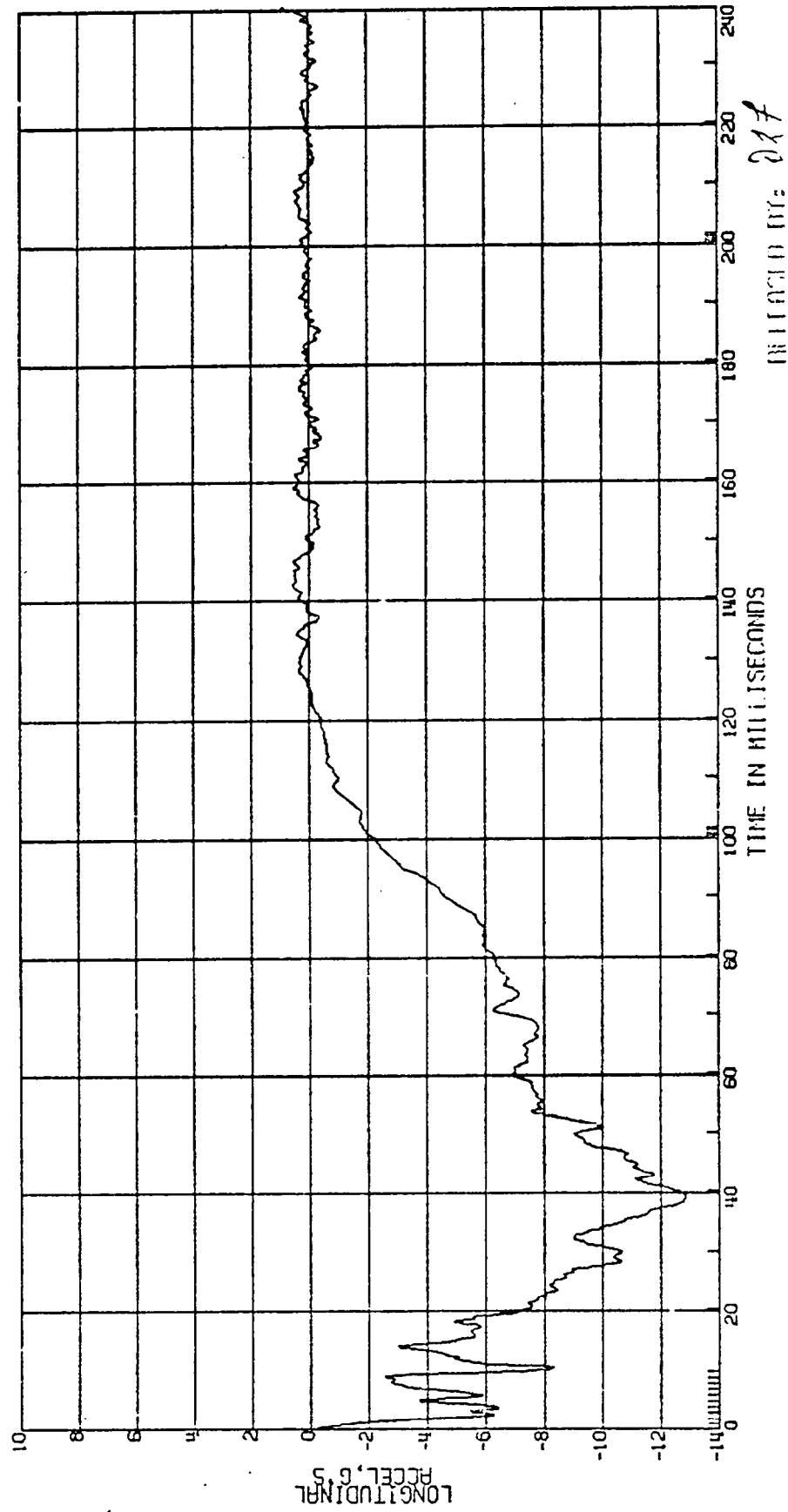
(2ND INTEGRAL PASS-SIDE ACCELERATION)



C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 80
 3865-015
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE:02-06-85
 A-D DATA SAE CLASS 180 (2M) INTEGRAL AVERAGED ACCELERATION)

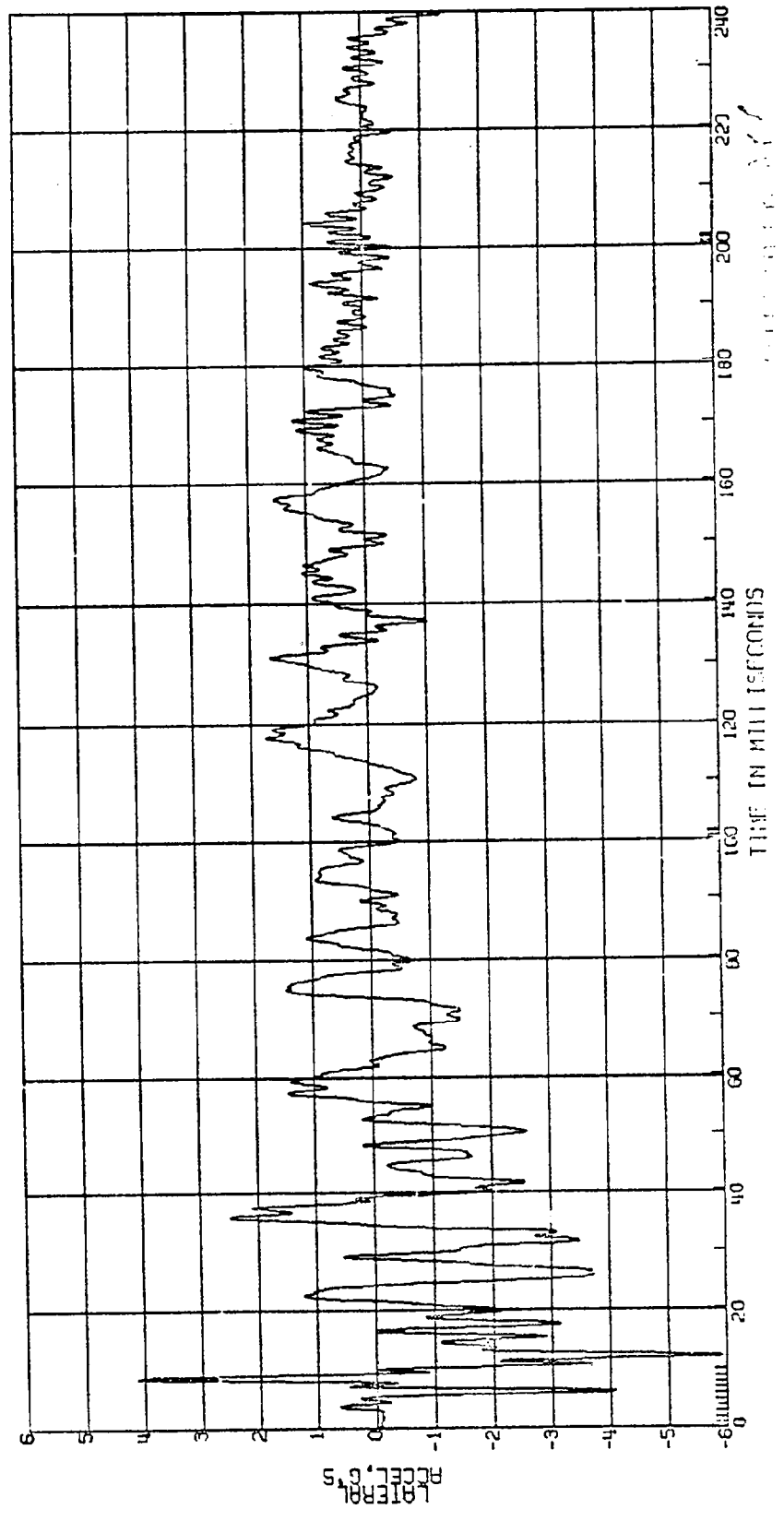


C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 81
 3865-015
 FISHER BODY NHTSA BARR. STRIKE DR-SIDE STRIKING BARR. MID ACCEL.
 A-D DATA SAE CLASS 60 TEST DATE:02-06-85



C6150B RIGHT SIDE IMPACT
 3865-015
 FISHER BODY NHTSA BARR. STRIKE
 MID DATA SAE CLASS 60

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 82
 DR-SIDE STRIKING BARR. MID ACCEL. TEST DATE: 02-06-85



CS1508 RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 83

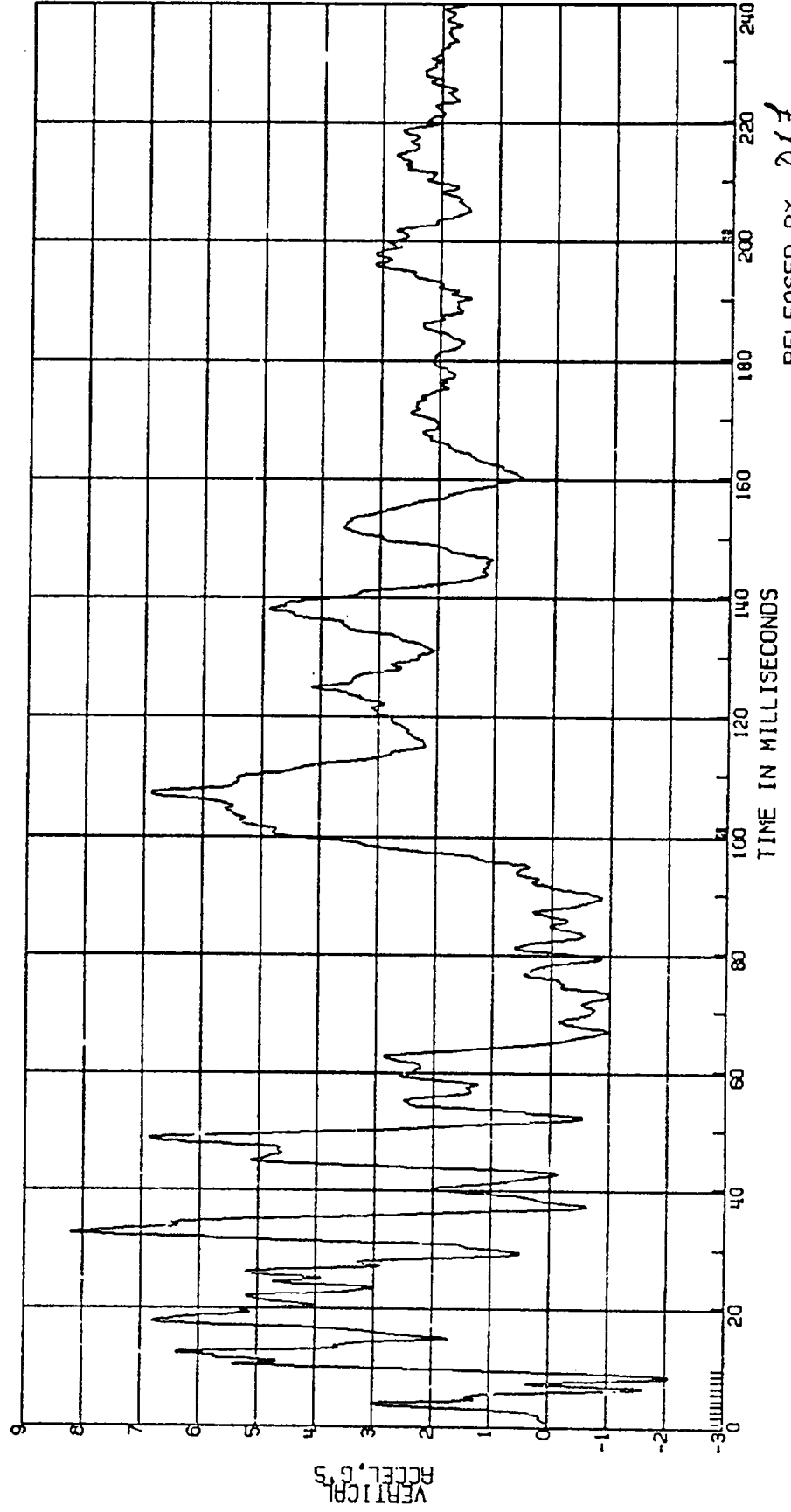
3865-015

FISHER BODY NHTSA BARR. STRIKE

DR-SIDE STRIKING BARR. MID ACCEL.

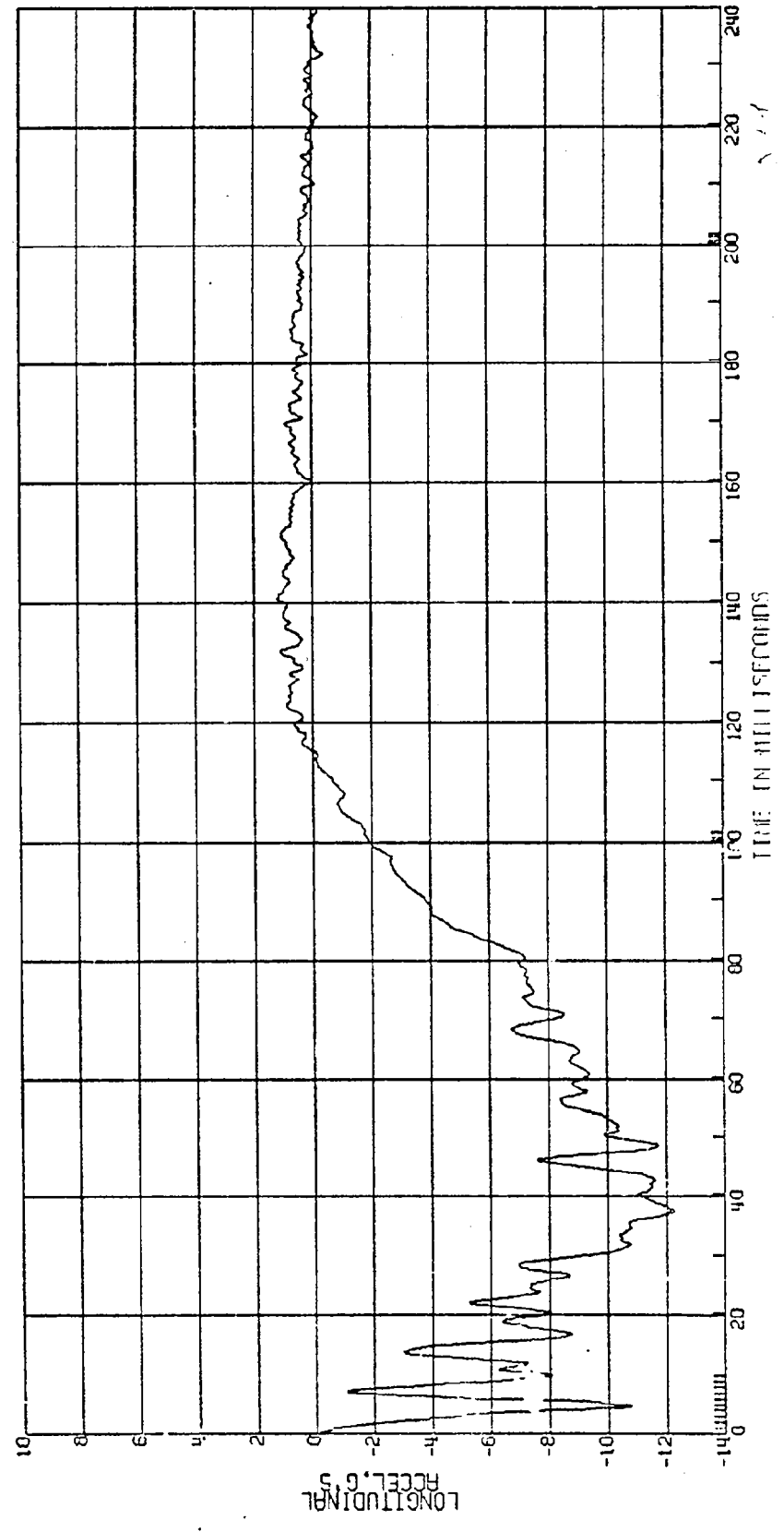
TEST DATE: 02-06-85

A-D DATA SAE CLASS 60



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C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 84
 3865-015
 FISHER BODY NHTSA BARR. STRIKE PASS-SIDE STRIKING BARR. MID ACCEL.
 A-D DATA SAE CLASS 60 TEST DATE: 02-06-85



C61500 RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 86

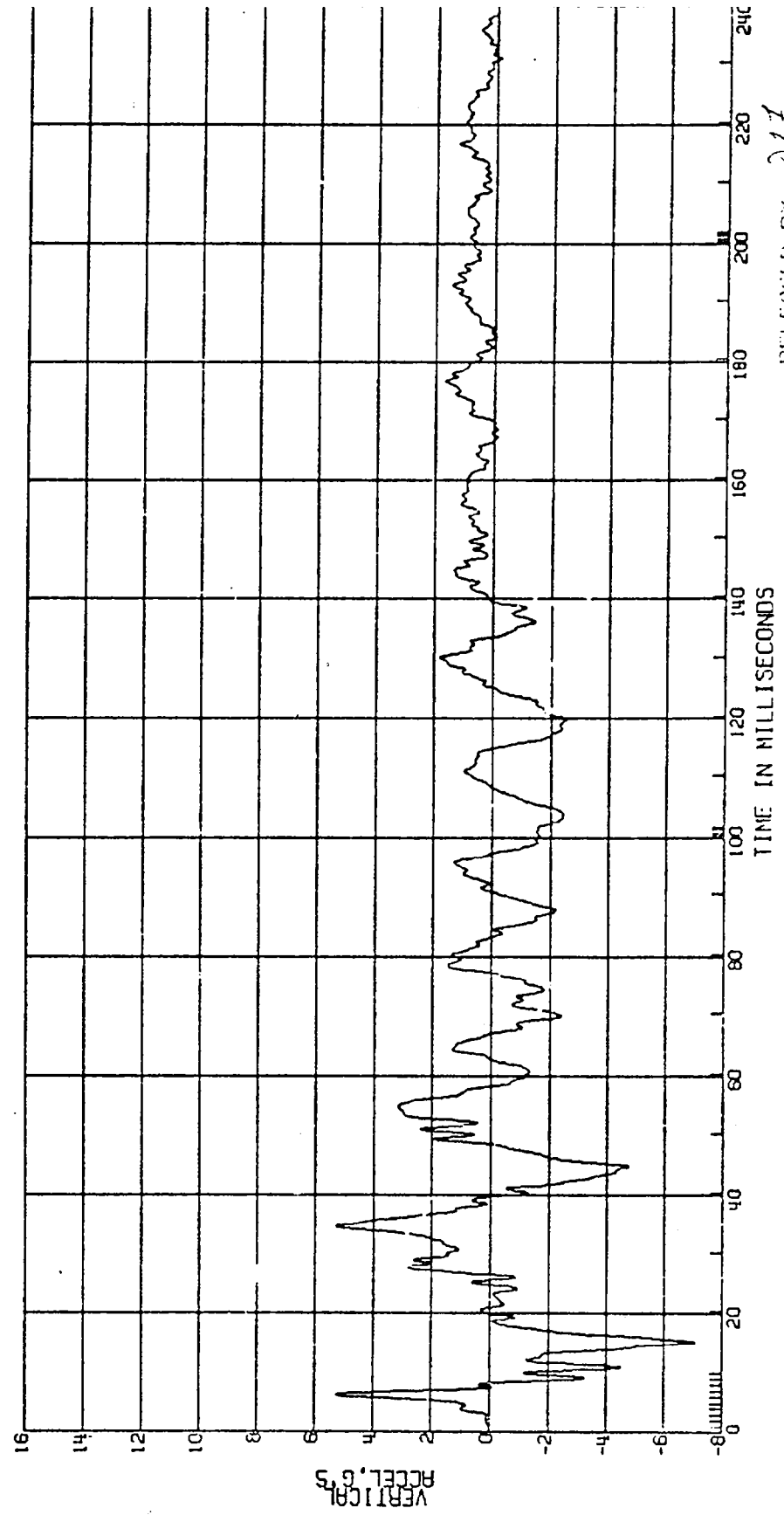
3865-015

FISHER BODY NHTSA BARR. STRIKE

PASS-SIDE STRIKING BARR. MID ACCEL.

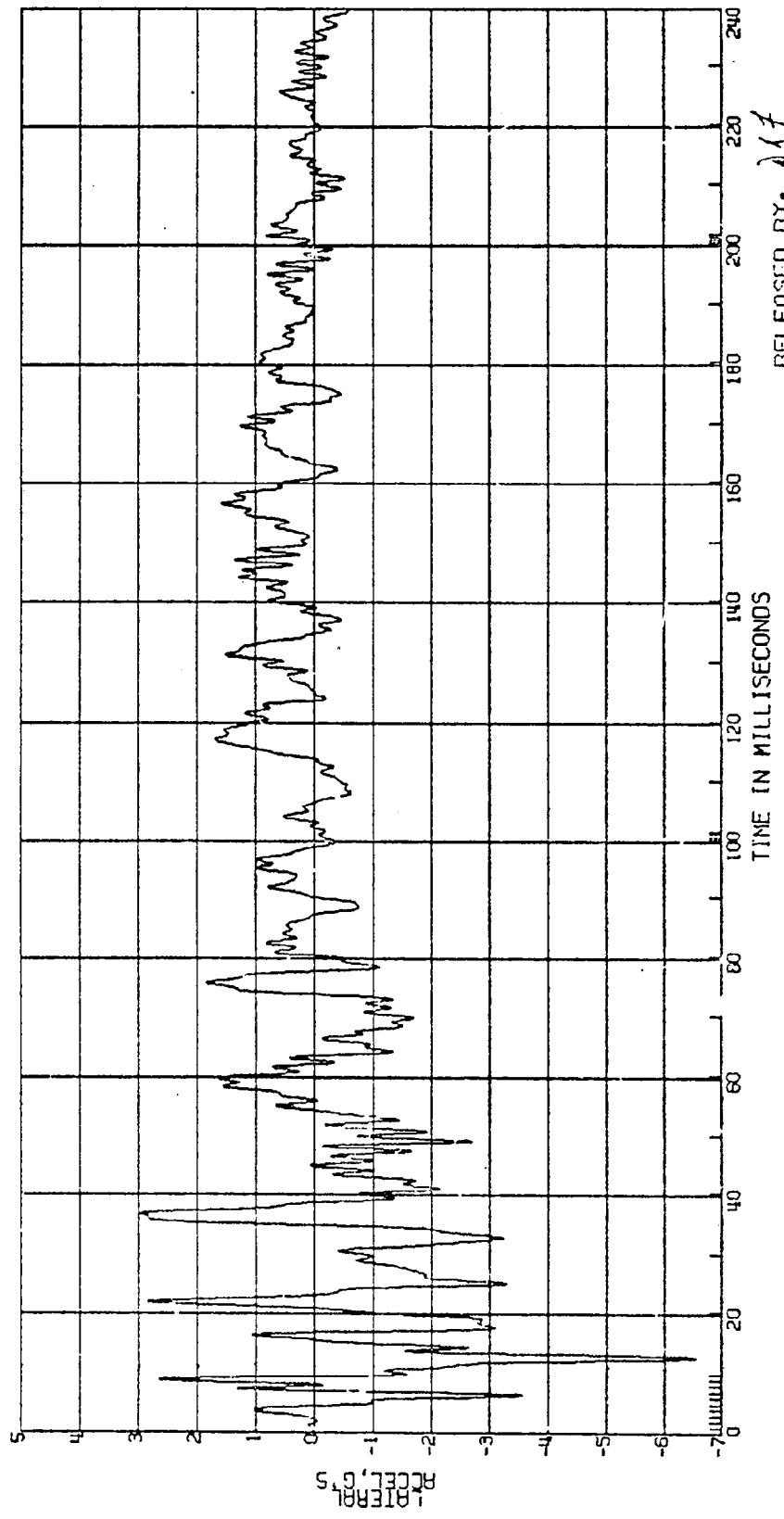
TEST DATE:02-06-85

A-D DATA SAE CLASS 60



RECEIVED BY: 217

C6150B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 85
 3865-015
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 60 TEST DATE: 02-06-85



RELEASED BY: 217

C61508 RIGHT SIDE IMPACT
3865-015
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

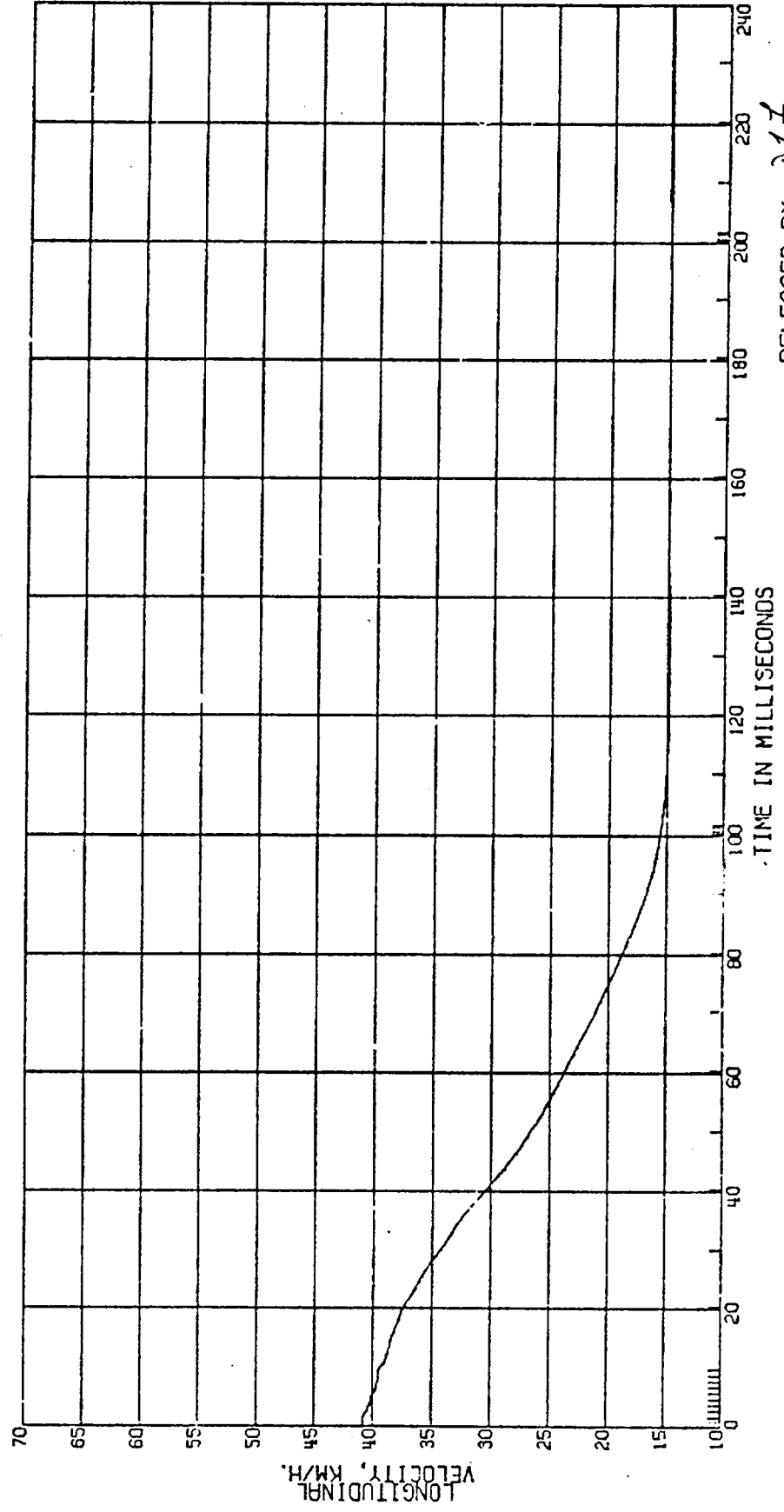
MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 88

COMPUTED STRIKING BARR-MID VELOCITY

TEST DATE:02-06-85

(1ST INTEGRAL DR-SIDE ACCELERATION)



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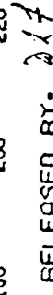
40.8KM/H FIGURE 27

28

AVERAGED DRIVER & PASSENGER SIDES

TEST DATE: 02-06-85

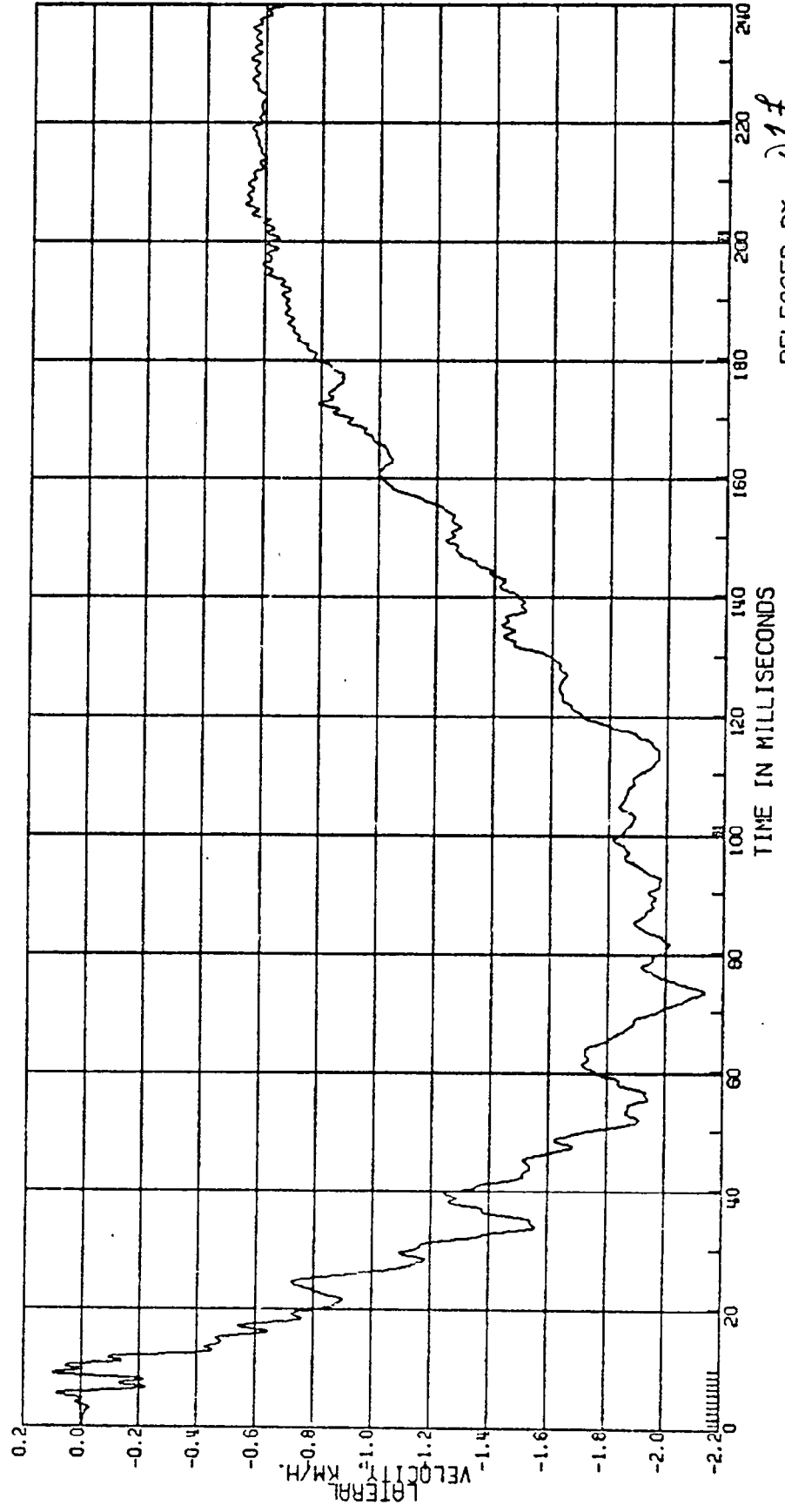
AVRAGED STRIKING BARR-MID ACCEL



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C6150B RIGHT SIDE IMPACT
3865-0.15
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

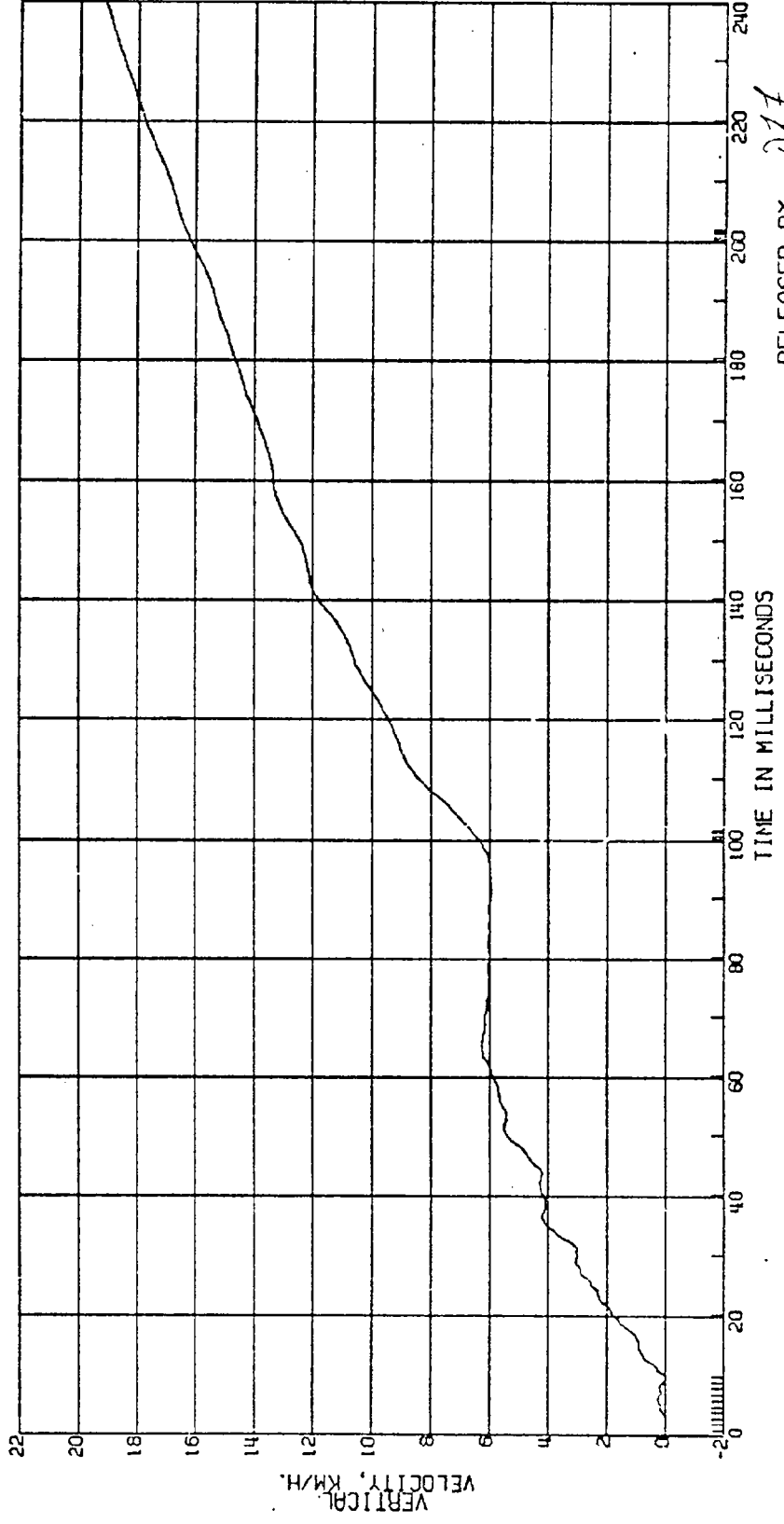
MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 89
COMPUTED STRIKING BARR-MID VELOCITY
(1ST INTEGRAL DR-SIDE ACCELERATION)
TEST DATE:02-06-85



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26 PROCESSED 7 FEB 85 14:55

C6150B RIGHT SIDE IMPACT
3865-015
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

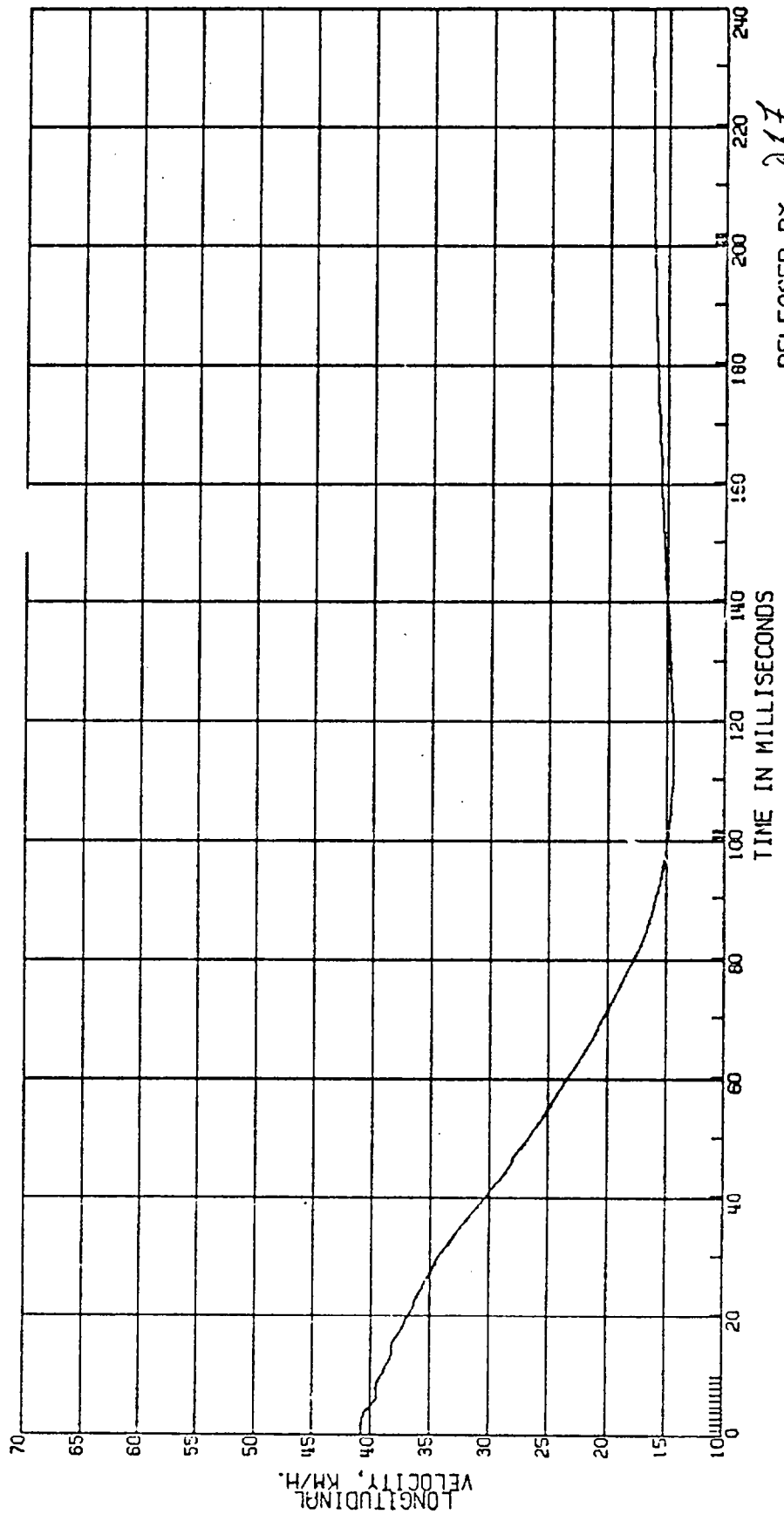
MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 20
COMPUTED STRIKING BARR-MID VELOCITY
(1ST INTEGRAL DR-SIDE ACCELERATION)
TEST DATE: 02-06-85



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29 PROCESSED 7 FEB 85 14:55

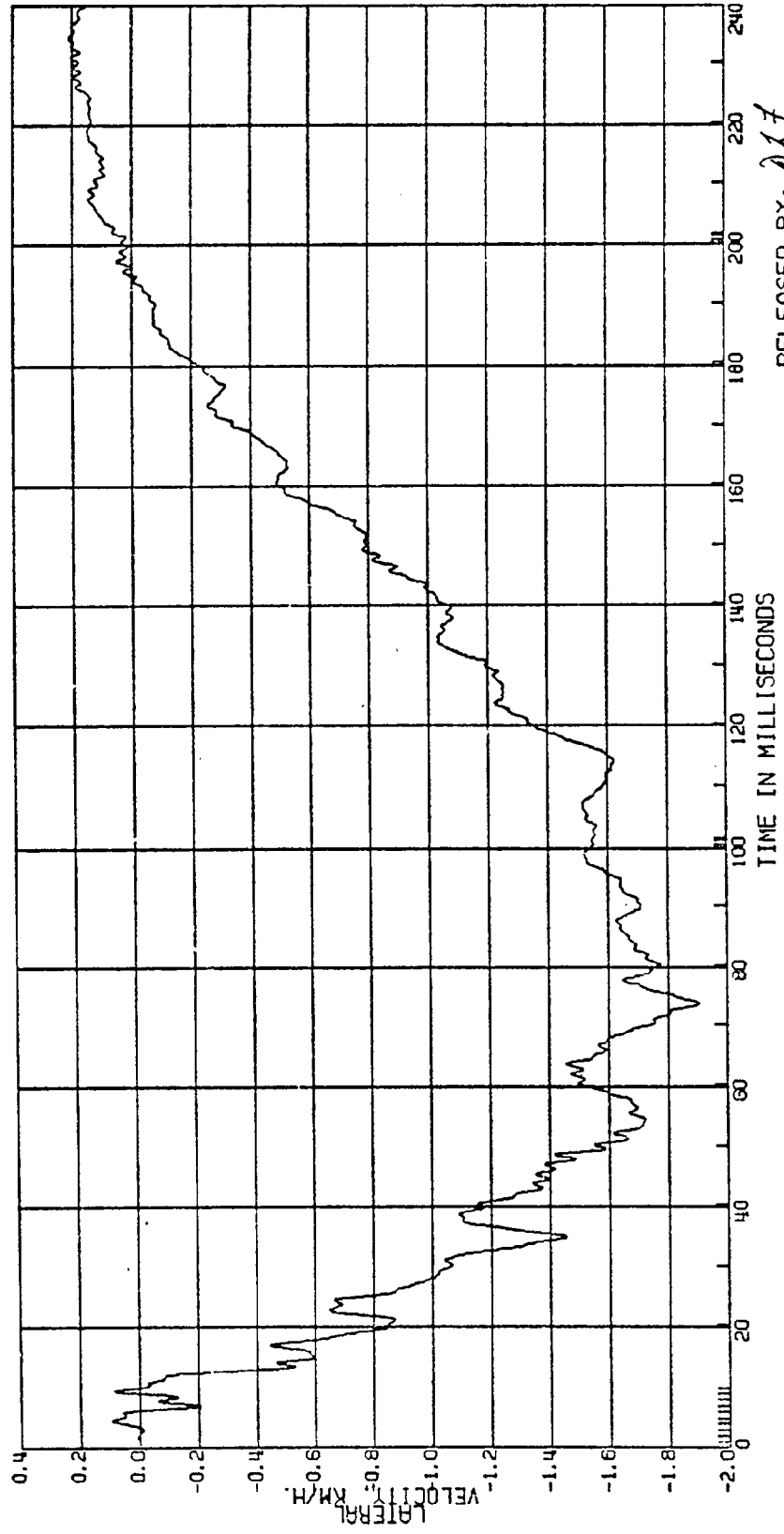
C61508 RIGHT SIDE IMPACT
3865-015
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 9/
COMPUTED STRIKING BARR-MID VELOCITY
(1ST INTEGRAL PASS-SIDE ACCELERATION)
TEST DATE: 02-06-85



C6150B RIGHT SIDE IMPACT
3865-015
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 92
COMPUTED STRIKING BARR-MID VELOCITY
(1ST INTEGRAL PASS-SIDE ACCELERATION)
TEST DATE:02-06-85



RELEASED BY: *017*
35 PROCESSED 7 FEB 85 15:00

C61508 RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 93

3865-015

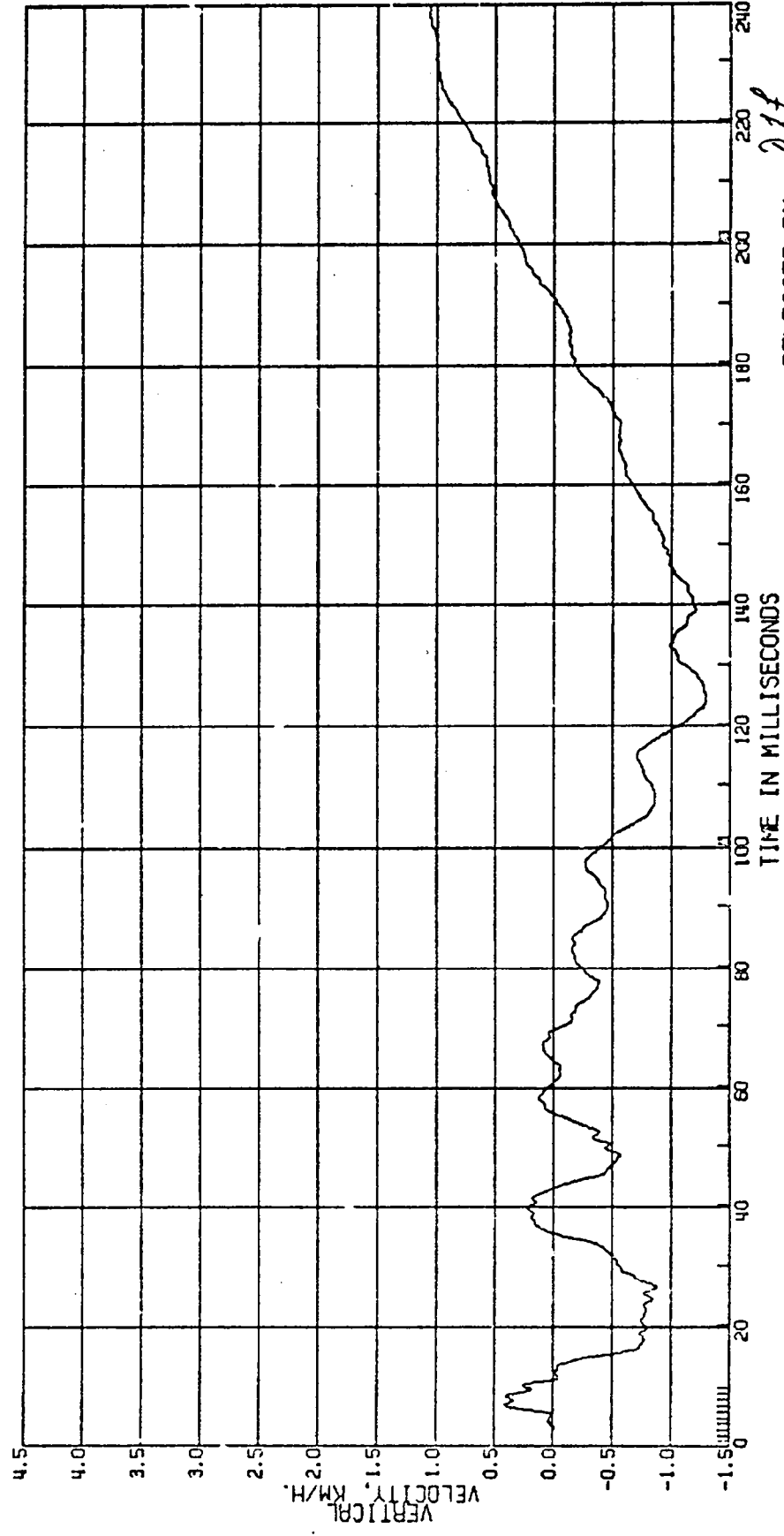
FISHER BODY NHTSA BARR. STRIKE

COMPUTED STRIKING BARR-MID VELOCITY

TEST DATE: 02-06-85

A-D DATA SAE CLASS 180

(1ST INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: *DLF*

38 PROCESSED 7 FEB 85 15:01

C61508 RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 9Y

3865-015

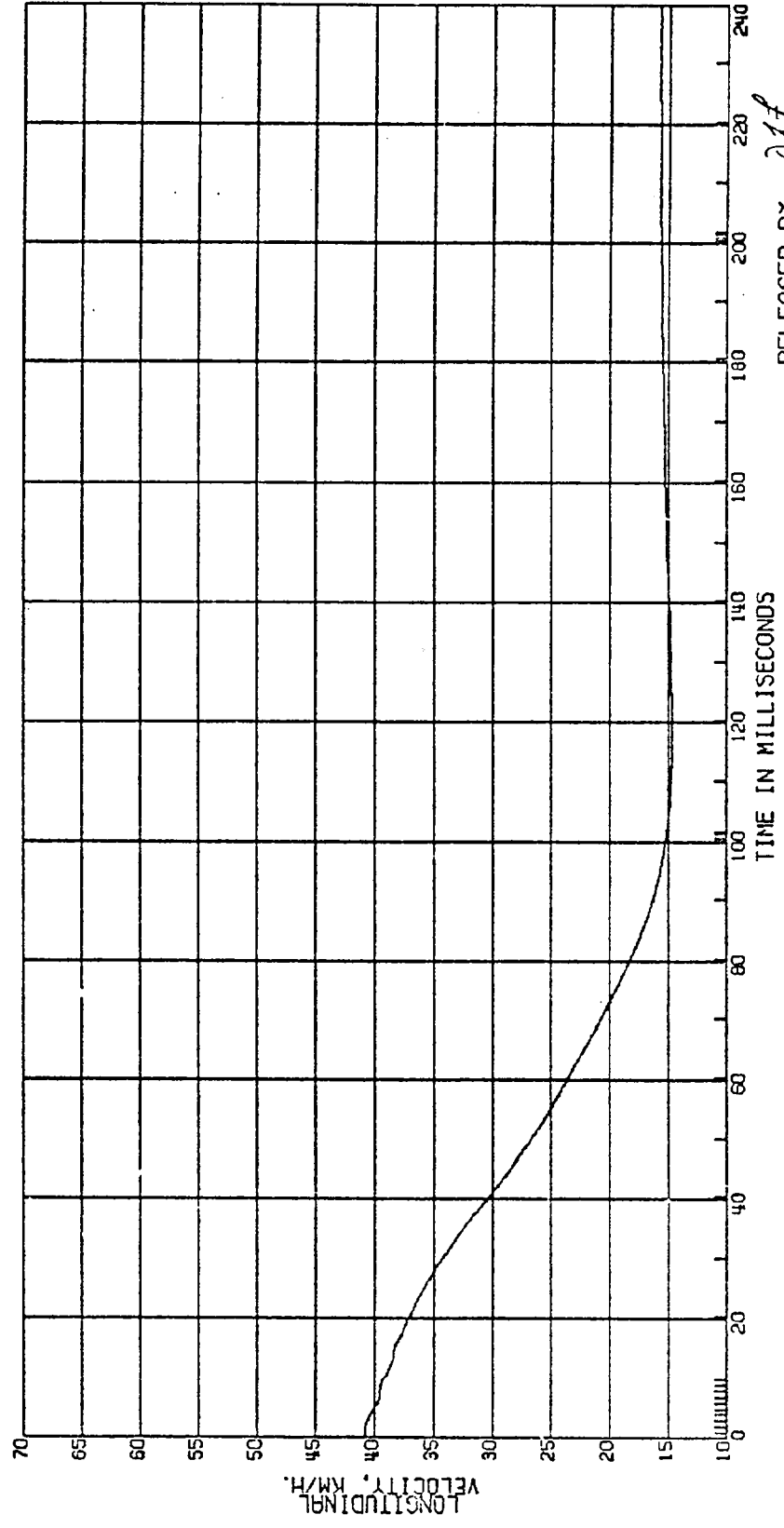
FISHER BODY NHTSA BARR. STRIKE

COMPUTED STRIKING BARR-MID VELOCITY

TEST DATE:02-06-85

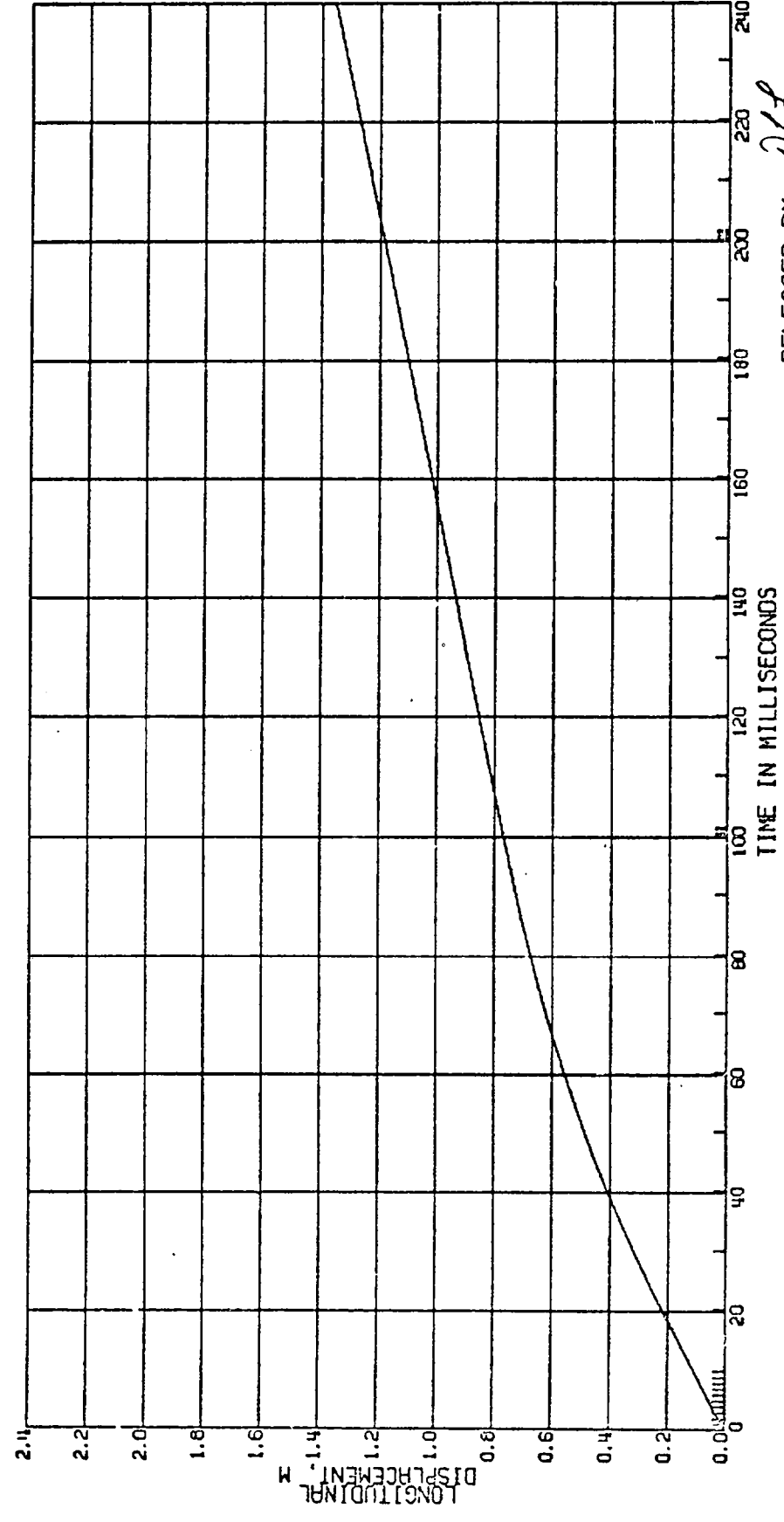
A-D DATA SAE CLASS 180

(1ST INTEGRAL AVERAGED ACCELERATION)



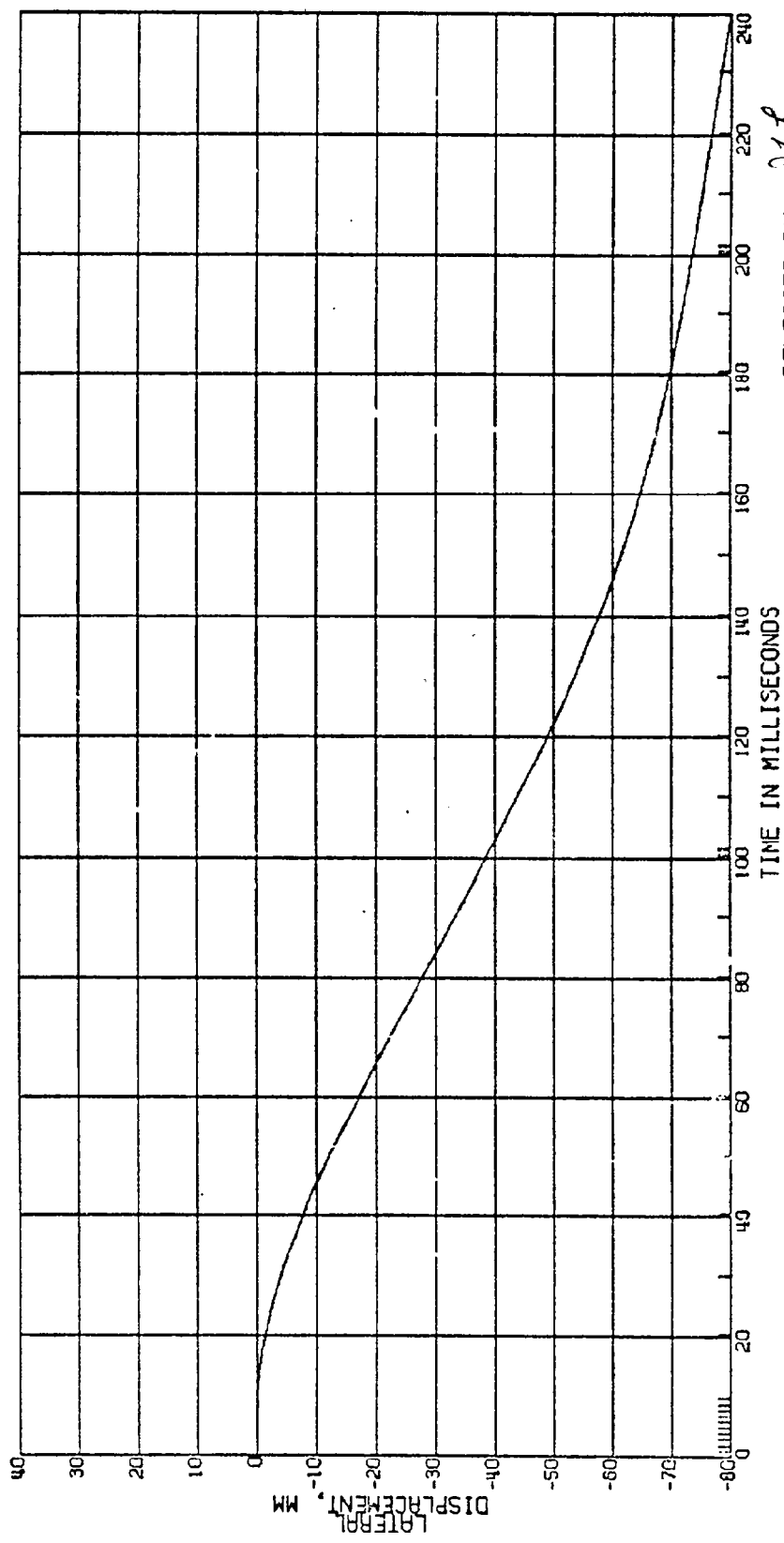
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41 PROCESSED 7 FE 85 15:02

C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 95
3865-015
FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE:02-06-85
A-D DATA SAE CLASS 180
(2ND INTEGRAL DR-SIDE ACCELERATION)



RELEASED BY: *DLF*
24 PROCESSED 7 FE 85 14154

C61508 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8 KM/H FIGURE 9c
 3865-015
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 02-06-85
 A-0 DATA SAE CLASS 180 (2ND INTEGRAL DR-SIDE ACCELERATION)



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27 PROCESSED 7 FEB 85 14:55

C61508 RIGHT SIDE IMPACT
3865-015

MOVING BARRIER TO PARKED VEHICLE

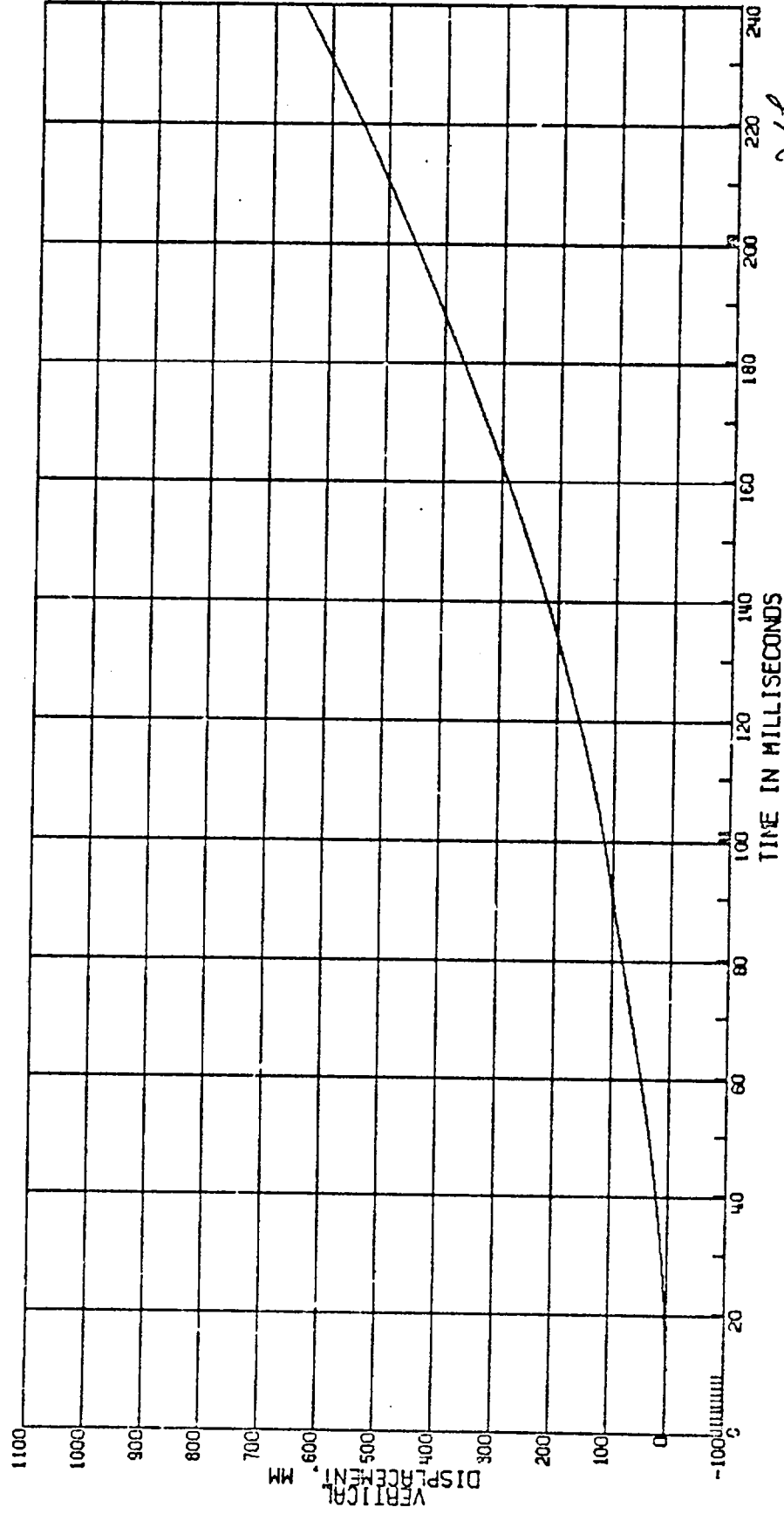
40.8KM/H FIGURE 97

FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

COMPUTED STRIKING BARR-MID DISPLACEMENT

TEST DATE: 02-06-85

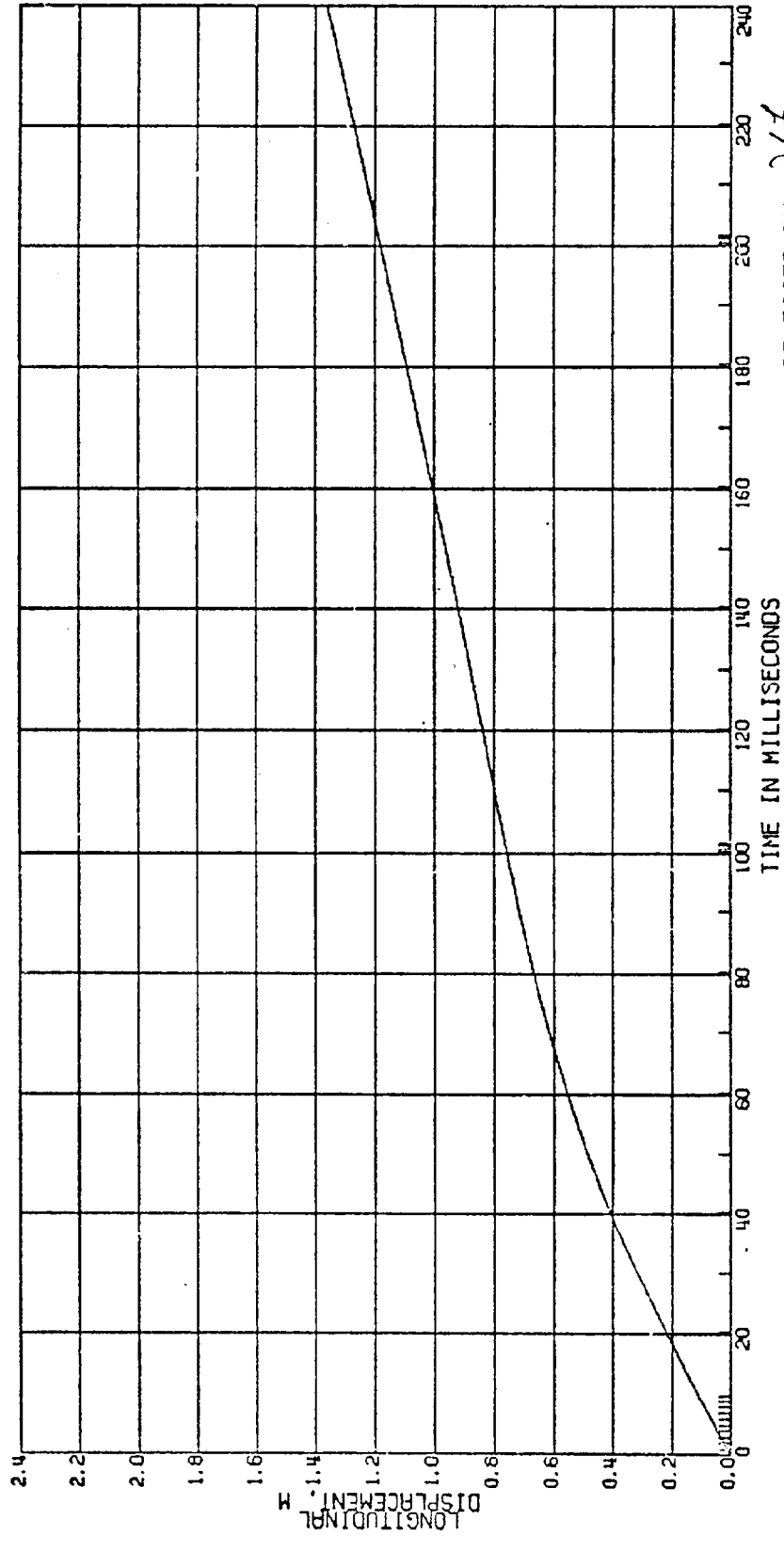
(2ND INTEGRAL DR-SIDE ACCELERATION)



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30 PROCESSED 7 FEB 85 14:56

C61508 RIGHT SIDE IMPACT
3865-015
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 98
COMPUTED STRIKING BARR-MID DISPLACEMENT
(2ND INTEGRAL PASS-SIDE ACCELERATION)
TEST DATE:02-06-85



RELEASED BY: *217*
33 PROCESSED 7 FEB 85 14:57

C61508 RIGHT SIDE IMPACT
3865-015

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 99

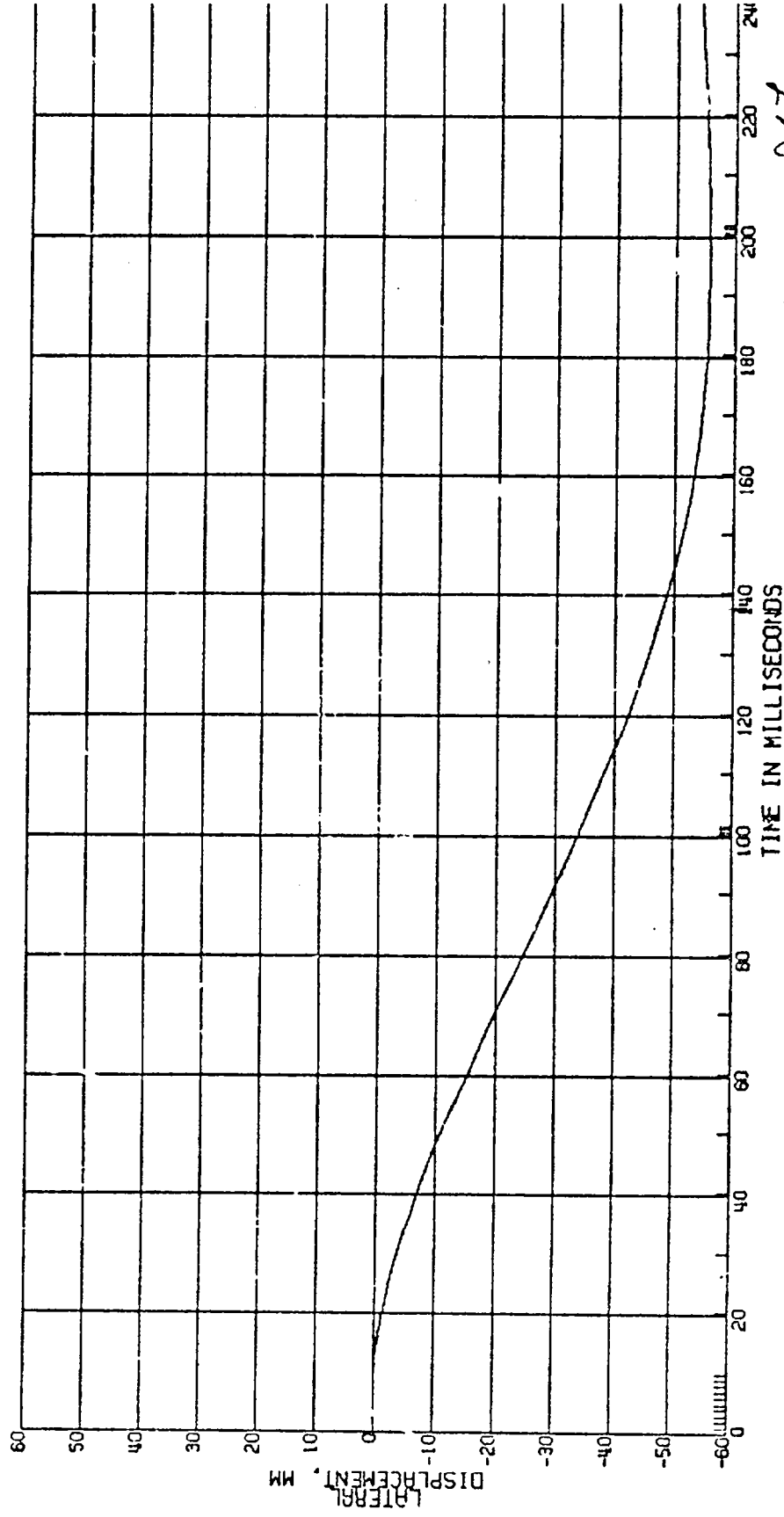
FISHER BODY NHTSA BARR. STRIKE

COMPUTED STRIKING BARR-MID DISPLACEMENT

TEST DATE: 02-06-85

A-D DATA SAE CLASS 180

(2ND INTEGRAL PASS-SIDE ACCELERATION)



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36 PROCESSED 7 FEB 85 15:00

C61508 RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 100

3865-015

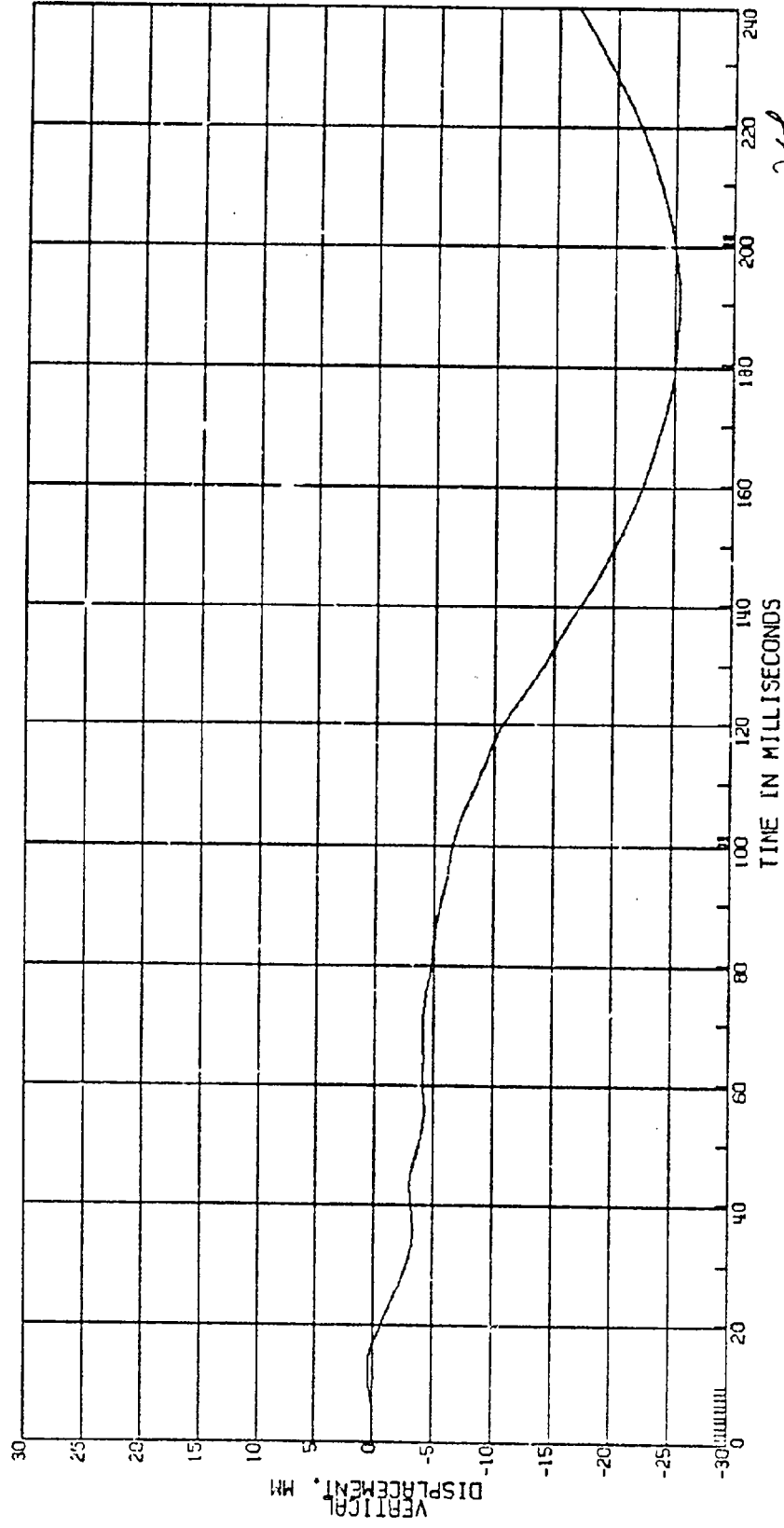
FISHER BODY NHTSA BARR. STRIKE

COMPUTED STRIKING BARR-MID DISPLACEMENT

TEST DATE: 02-06-85

A-D DATA SAE CLASS 180

(2ND INTEGRAL PASS-SIDE ACCELERATION)



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39 PROCESSED 7 FEB 85 15:01

C61503 RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

40.8KM/H FIGURE 101

3865-015

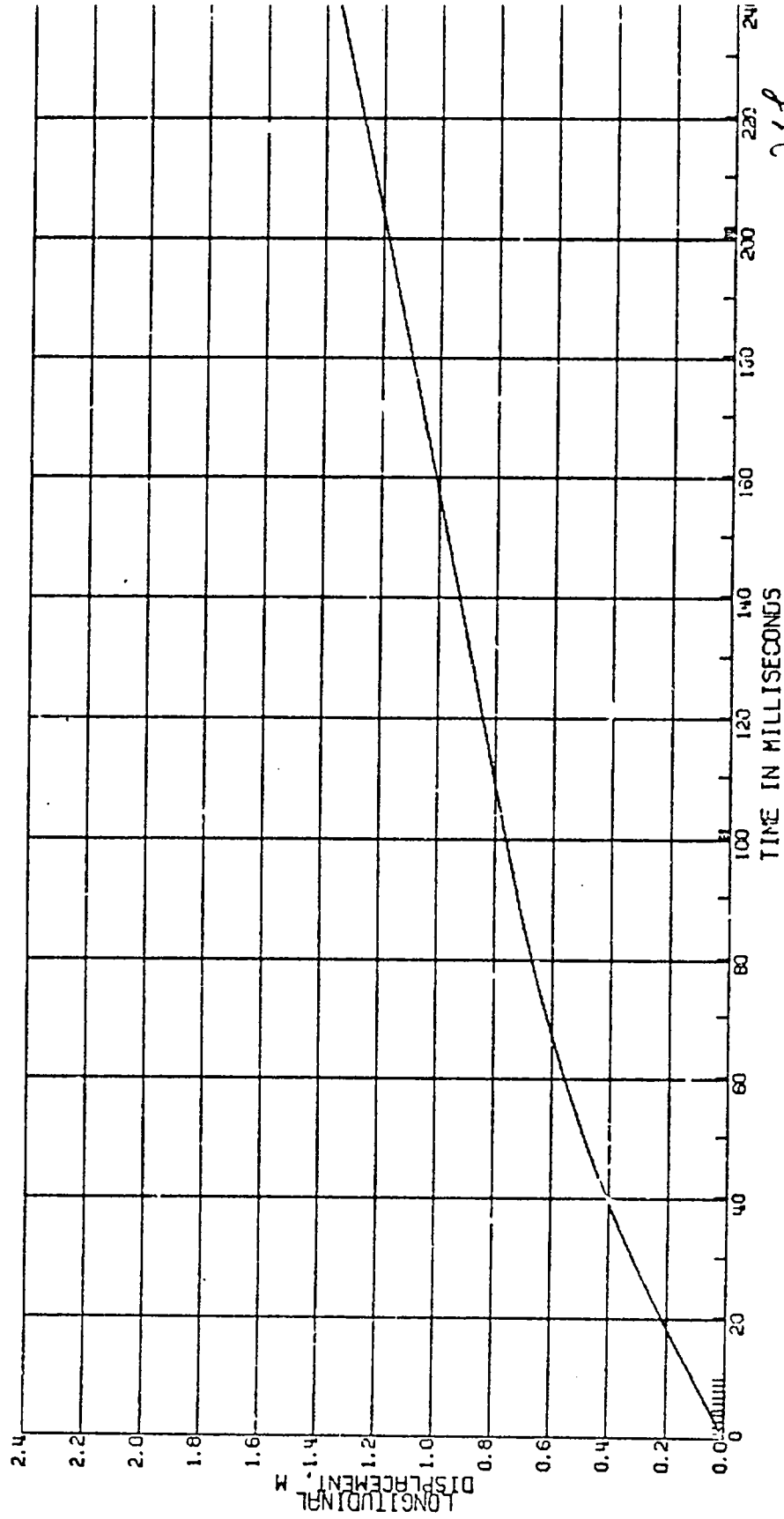
FISHER BODY NHTSA BARR. STRIKE

COMPUTED STRIKING BARR-MID DISPLACEMENT

TEST DATE: 02-06-85

A-D DATA SAE CLASS 180

(2ND INTEGRAL AVERAGED ACCELERATION)



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42 PROCES. T 7 FEB 85 15:02

C6150 RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 152

3865-015

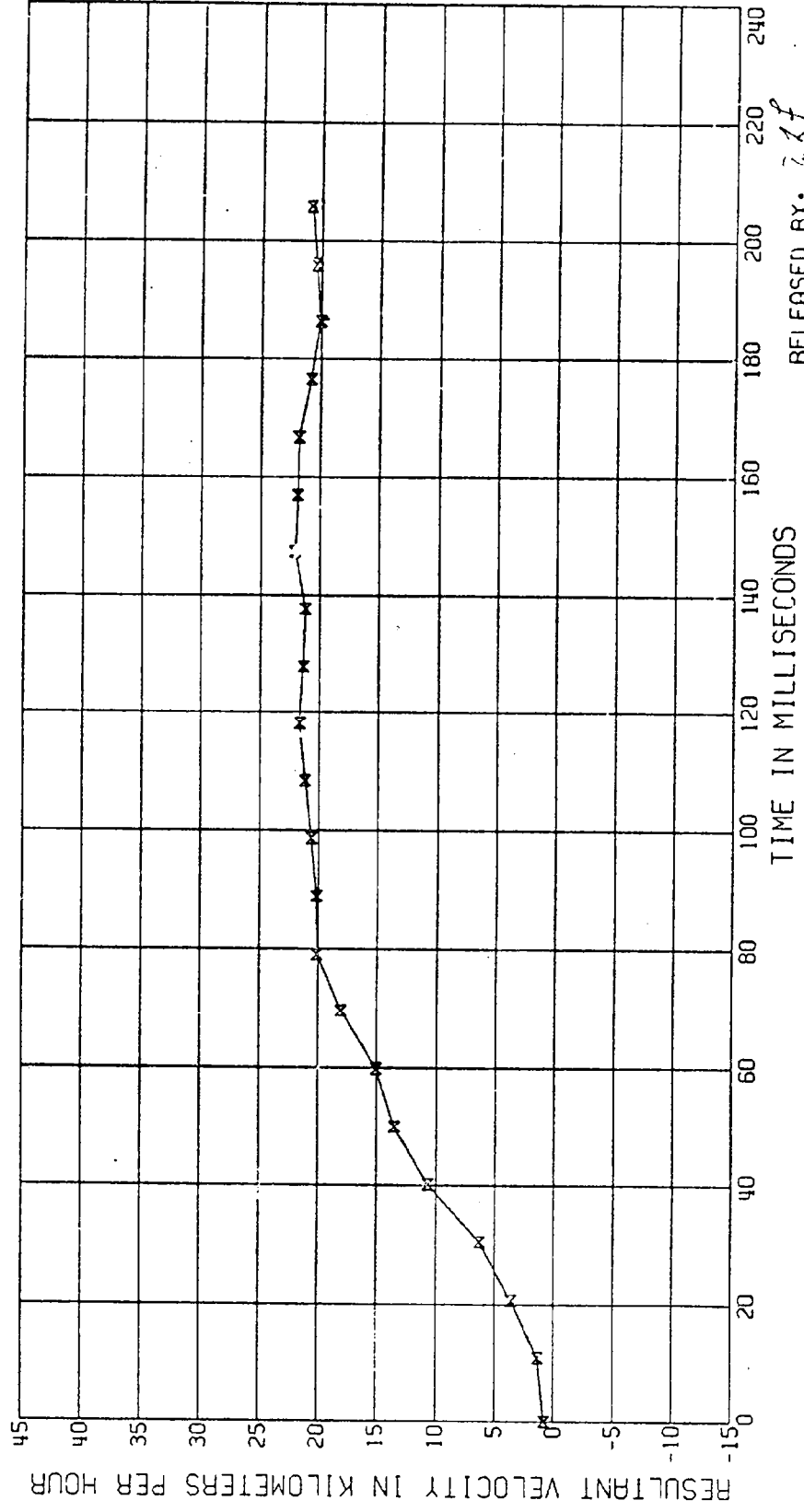
FISHER BODY CPC NHTSA BARRIER
FILM DATA

OVERHEAD VIEW

TEST DATE: 02-06-85

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

STRUCK VEH TARGET RELATIVE TO GROUND REFERENCE



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C6150 RIGHT SIDE IMPACT

3865-015

FISHER BODY CPC NHTSA BARRIER
FILM DATA

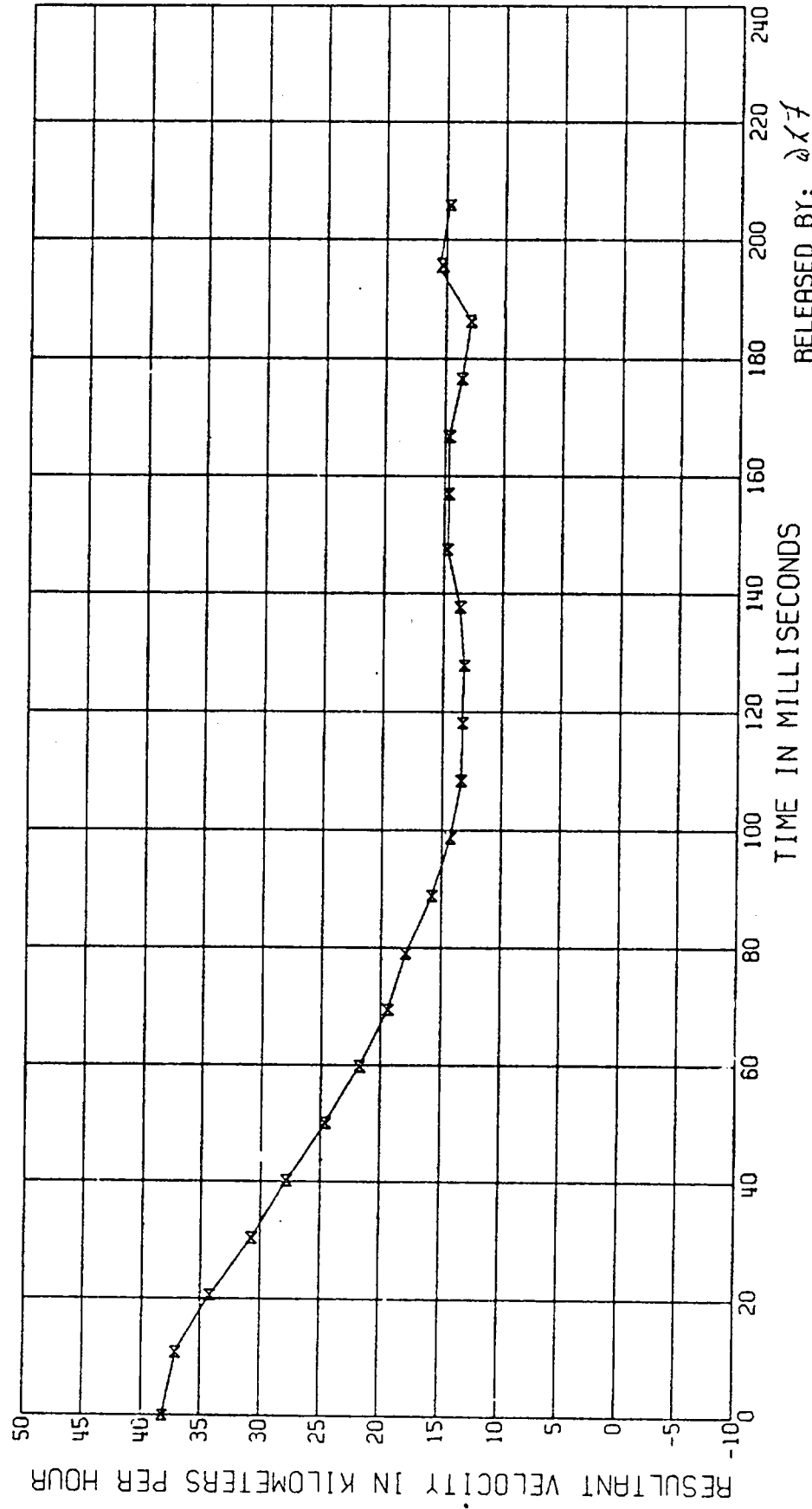
MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 103

OVERHEAD VIEW

TEST DATE: 02-06-85

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

NHTSA BARRIER TARGET RELATIVE TO GROUND REFERENCE



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3 PROCESSED 21 FEB 85 22:15

CG150 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 104

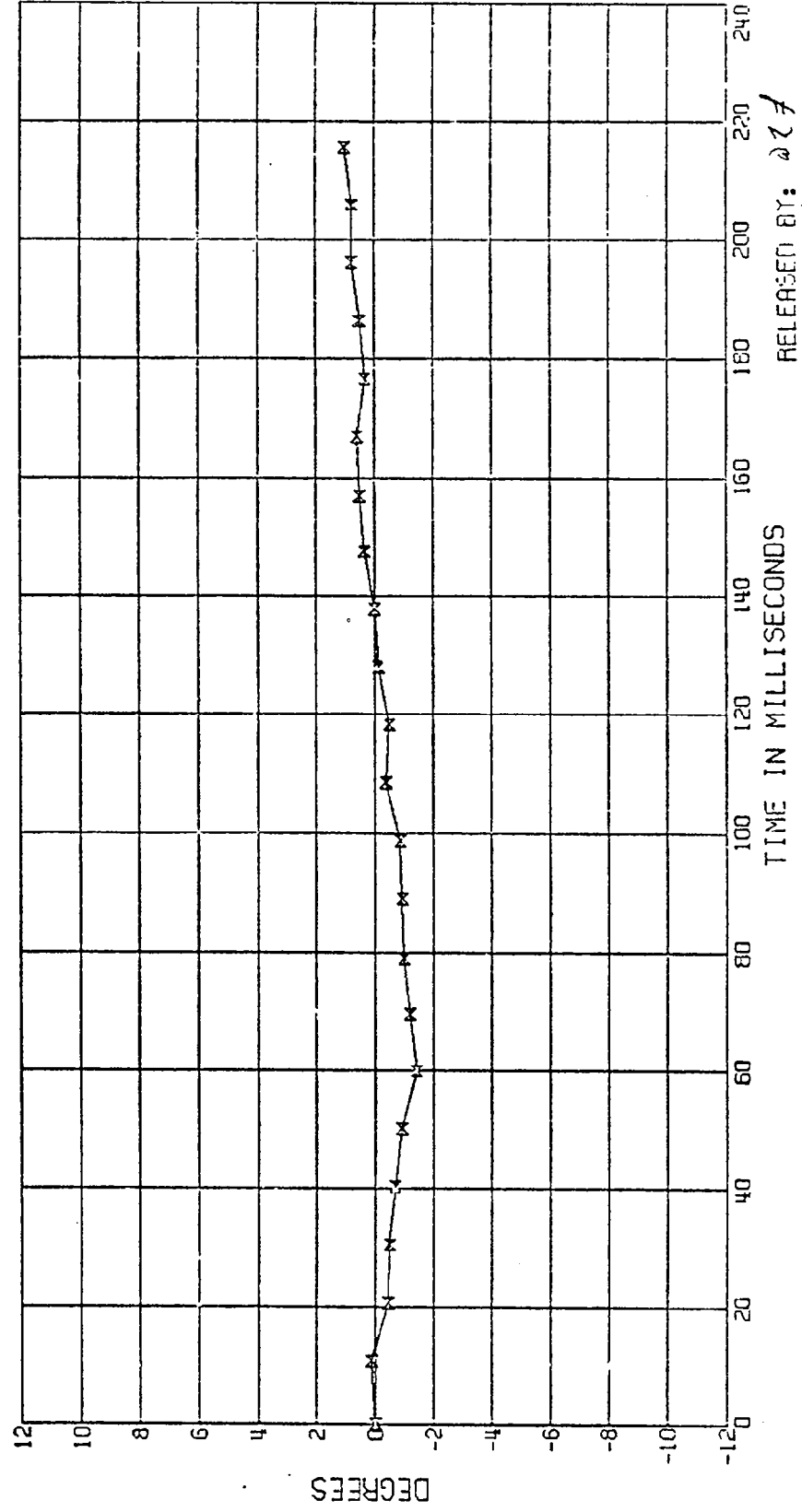
3865-015

FISHER BODY CPC NHTSA BARRIER
FILM DATA

OVERHEAD VIEW

TEST DATE: 02-06-85

STRUCK VEH YAW RELATIVE TO GROUND REFERENCE



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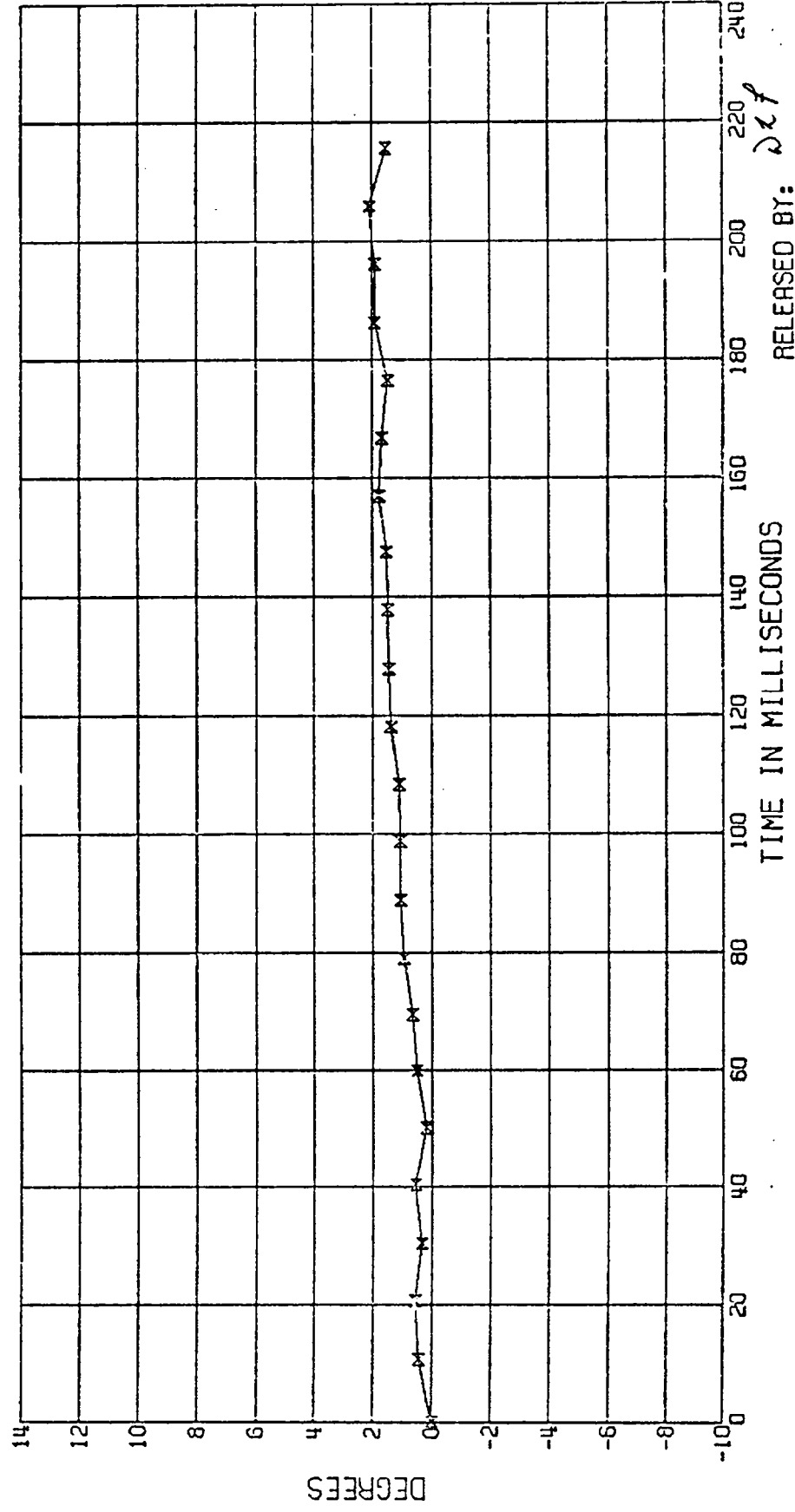
CG150 RIGHT SIDE IMPACT
3835-015
FISHER BODY CPC NHTSA BARRIER
FILM DATA

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 105

OVERHEAD VIEW

TEST DATE: 02-06-85

NHTSA BARRIER YAW RELATIVE TO GROUND REFERENCE



RELEASED BY: *228*
5 PROCESSED, 22 FEB 85 10:10

C6150 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 106

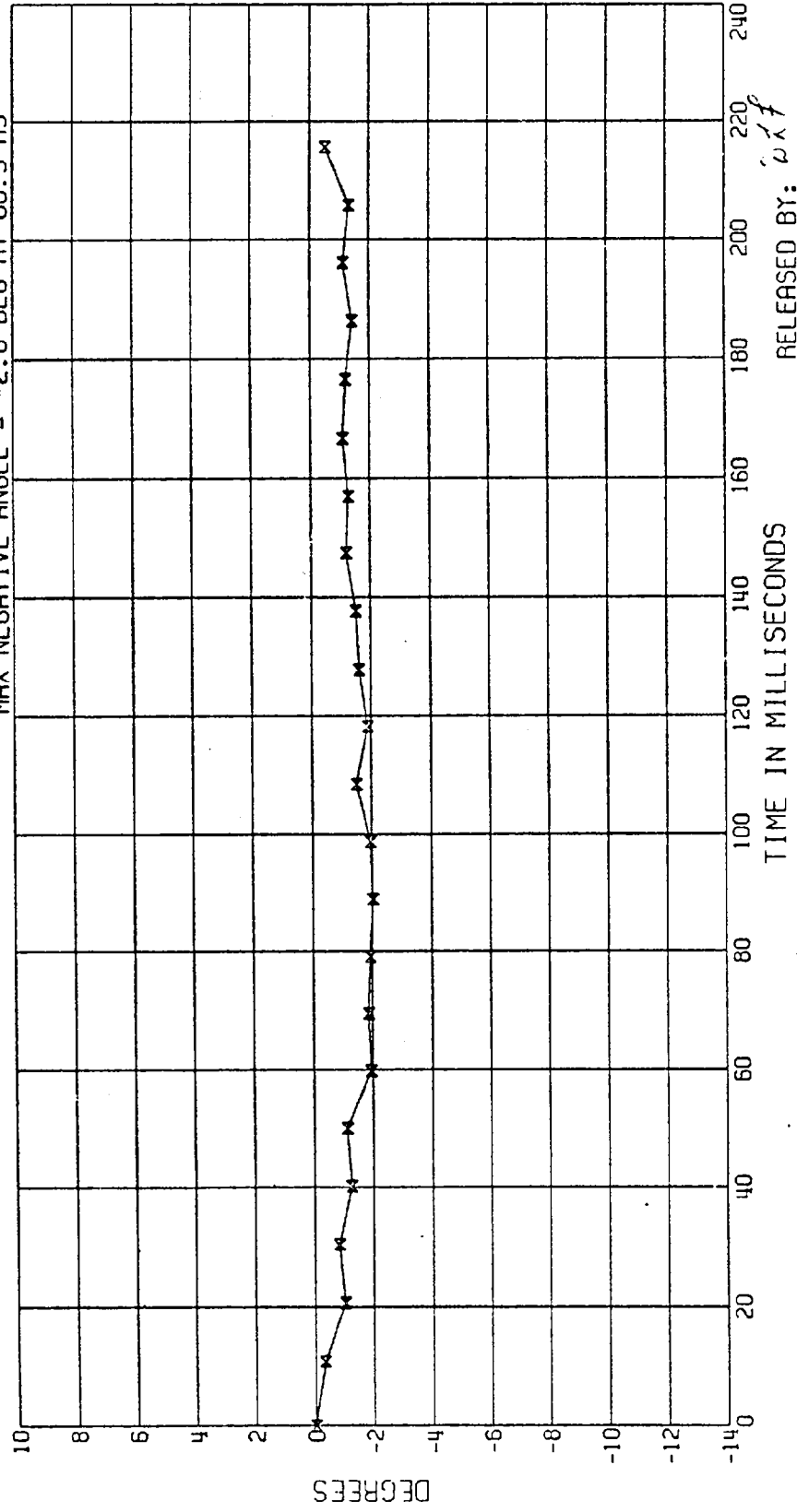
3865-015
FISHER BODY CPC NHTSA BARRIER
FILM DATA

OVERHEAD VIEW

TEST DATE: 02-06-85

NHTSA BARRIER YAW RELATIVE TO STRUCK VEH YAW

AT OR PRIOR TO MAX CRUSH
MAX NEGATIVE ANGLE = -2.0 DEG AT 88.9 MS



RELEASED BY: *WAF*
7 PROCESSED 21 FEB 85 22:16

CG1CN RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 107

3805-015

FISHER BODY CPC NHTSA BARRIER

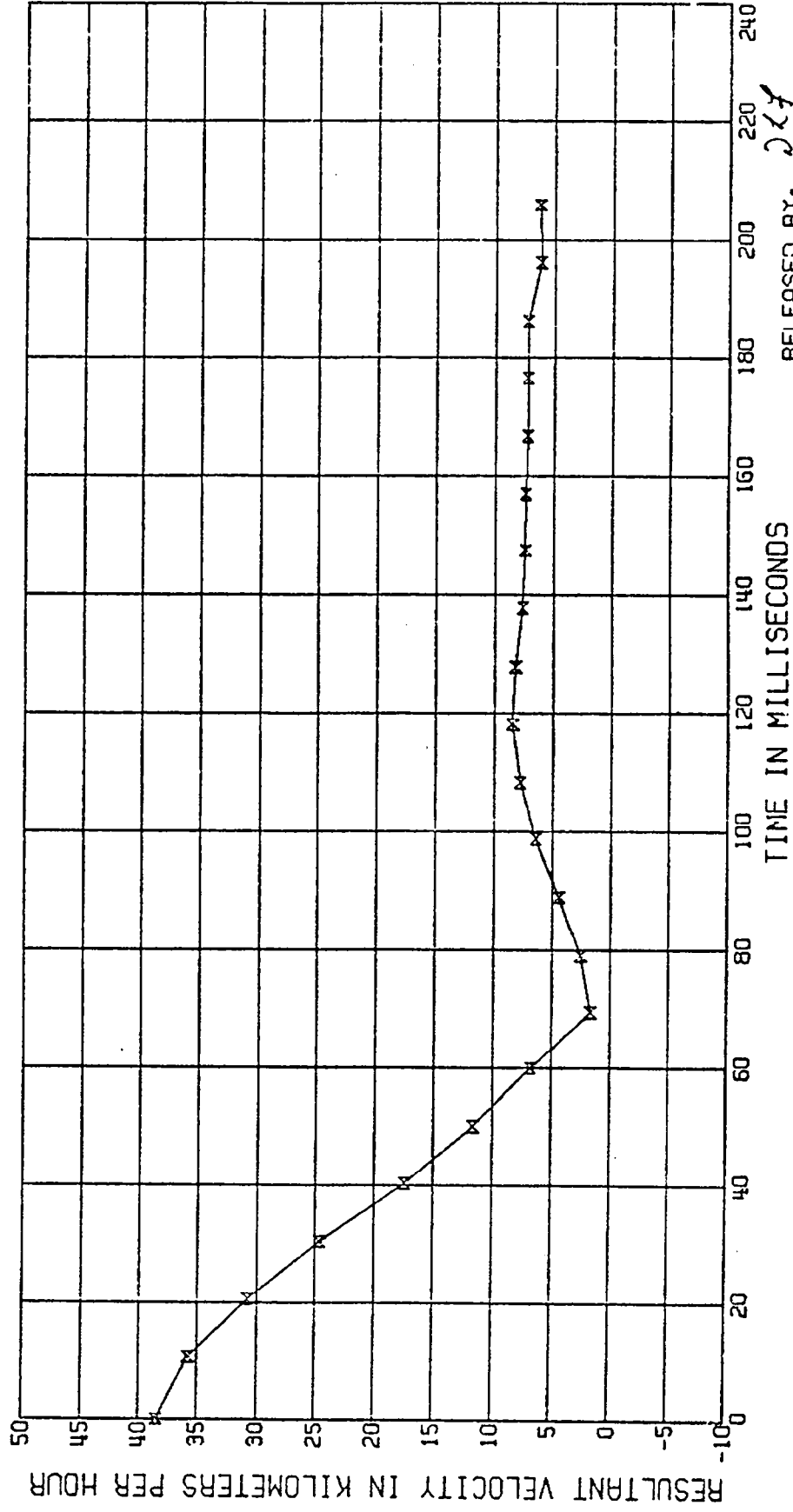
FILM DATA

OVERHEAD VIEW

TEST DATE: 02-06-85

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

NHTSA BARRIER TARGET RELATIVE TO STRUCK VEH TARGET



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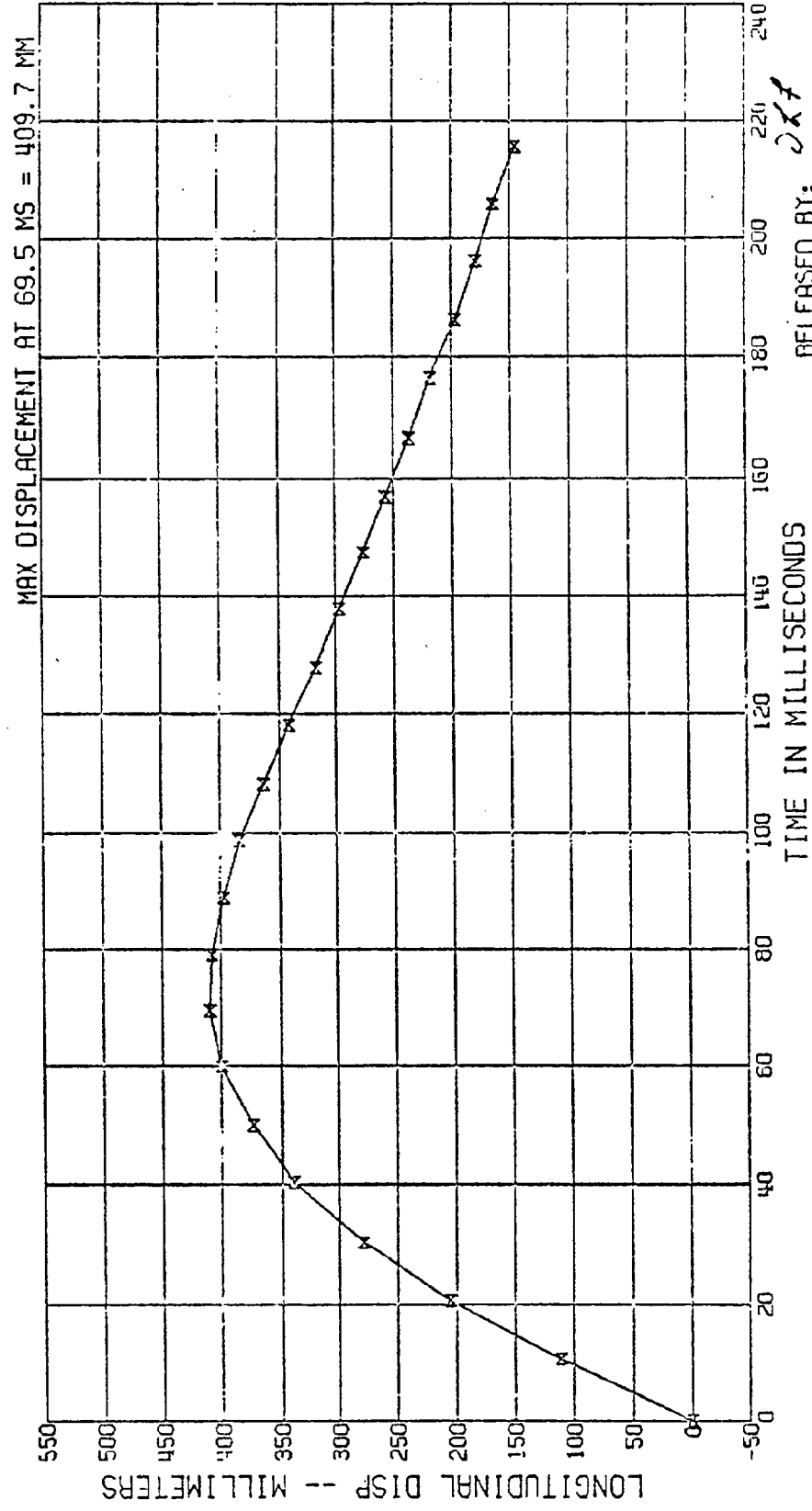
C6150 RIGHT SIDE IMPACT
3865-015
FISHER BODY CPC NHTSS BARRIER
FILM DATA

MOVING BARRIER TO PARKED VEHICLE 40.8KM/H FIGURE 108

OVERHEAD VIEW

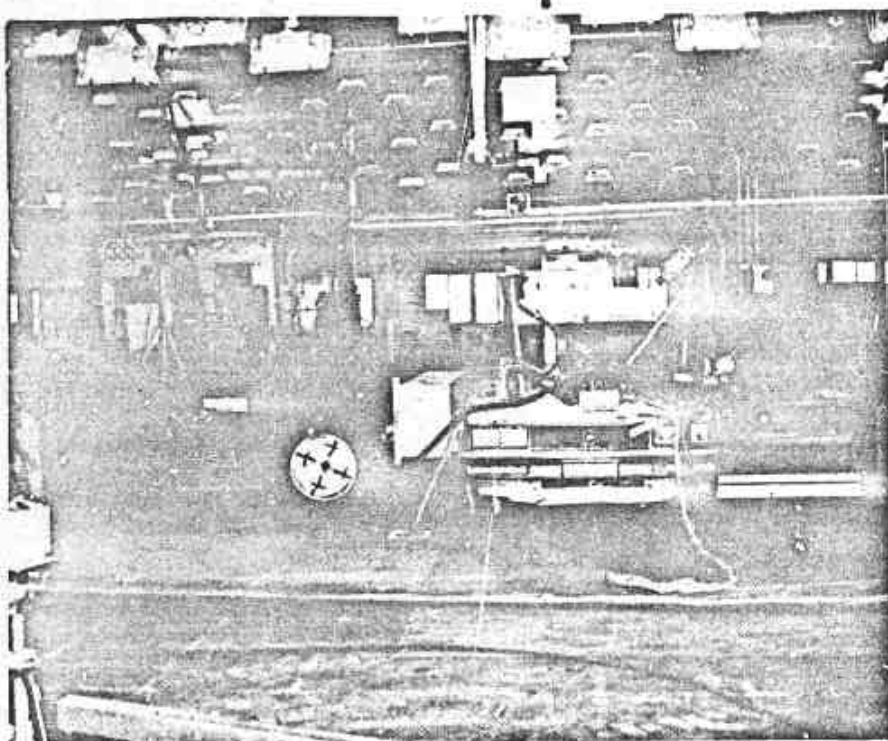
TEST DATE: 02-06-85

NHTSA BARRIER DISPL. RELATIVE TO STRUCK VEH TARGET

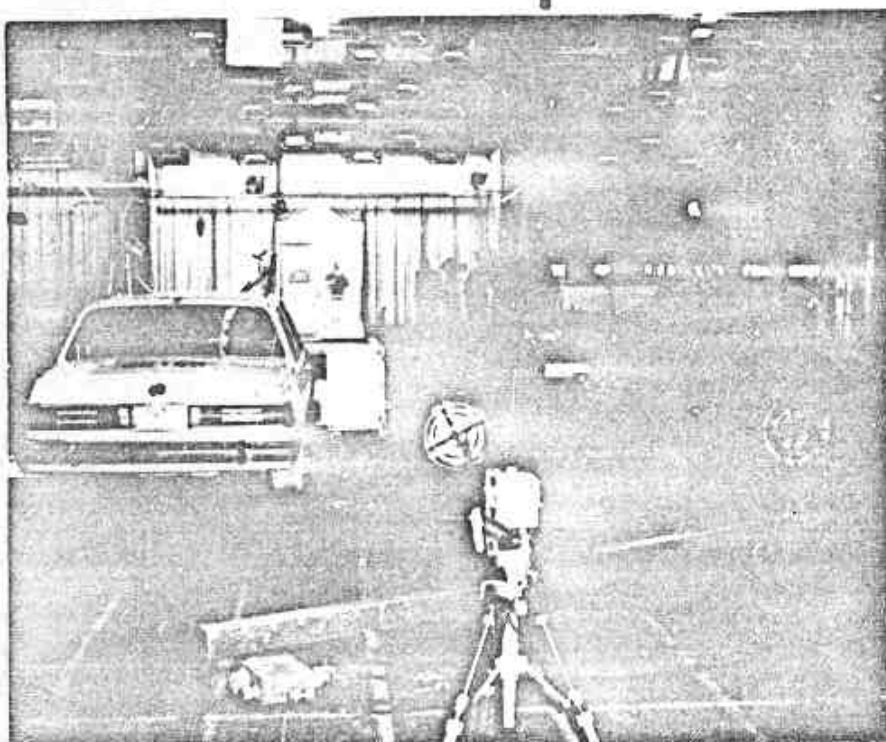


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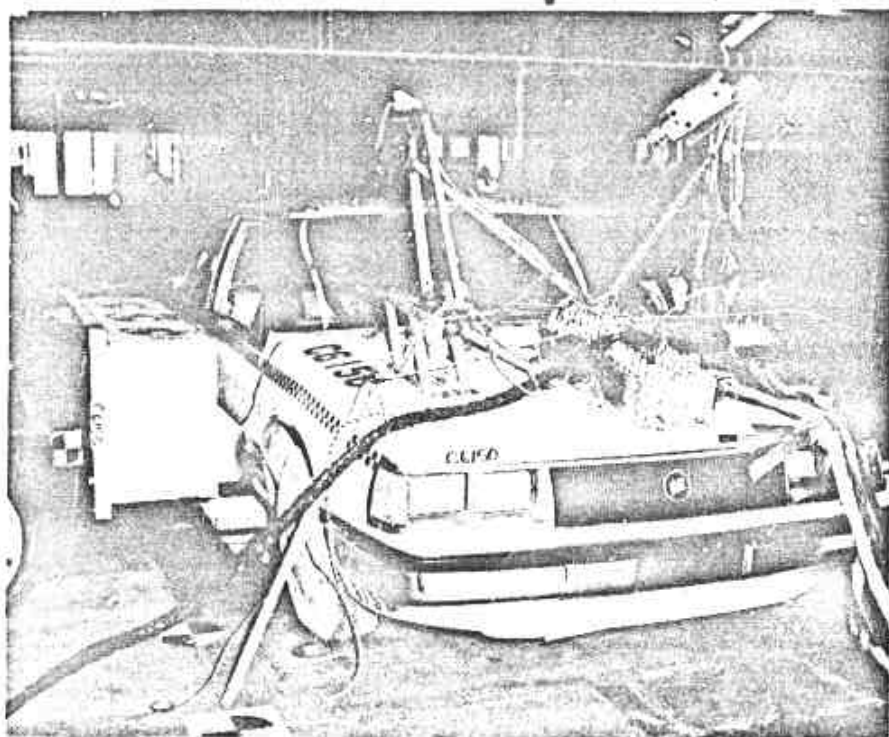
Document No.	Fig. No.
17985	109



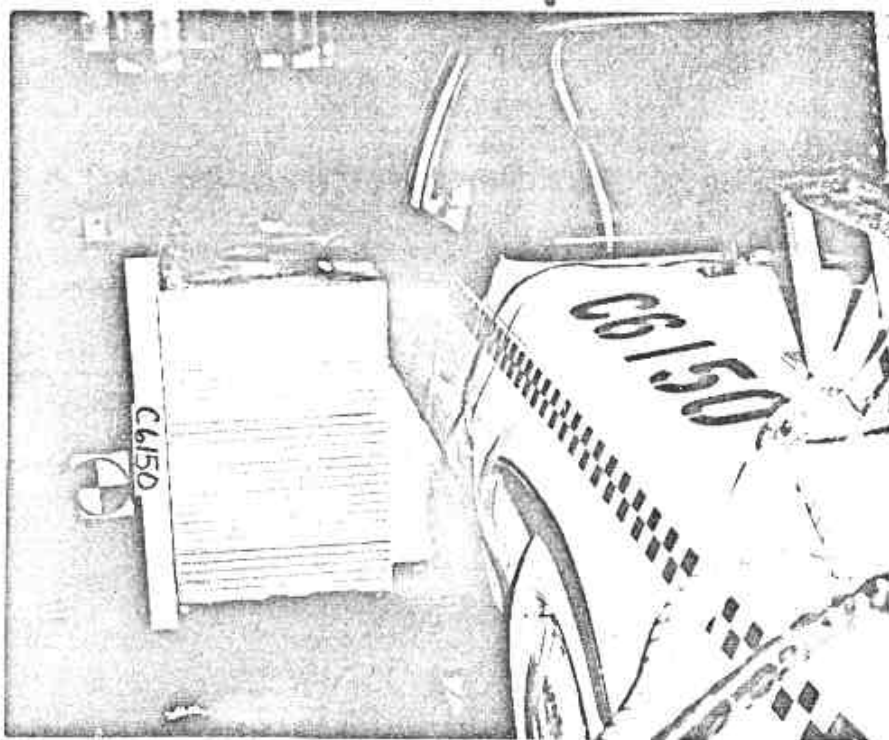
Document No.	Fig. No.
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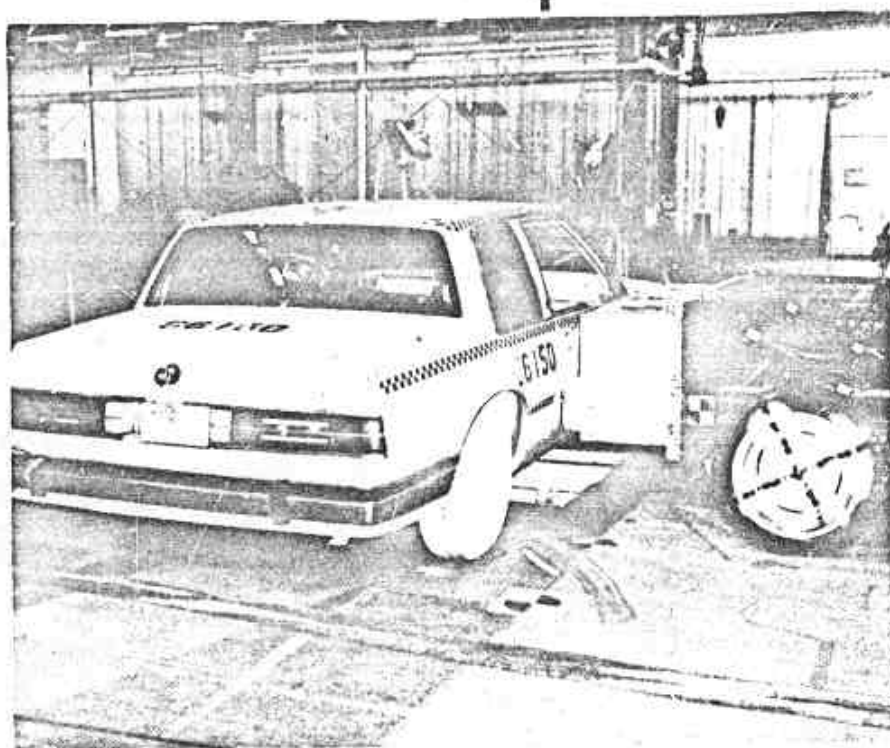
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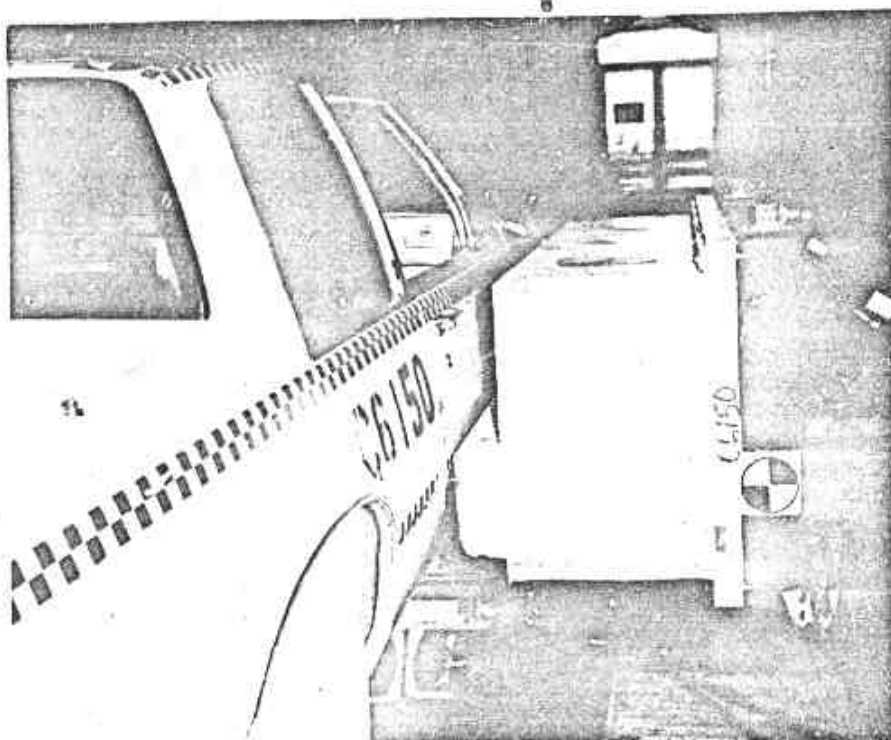
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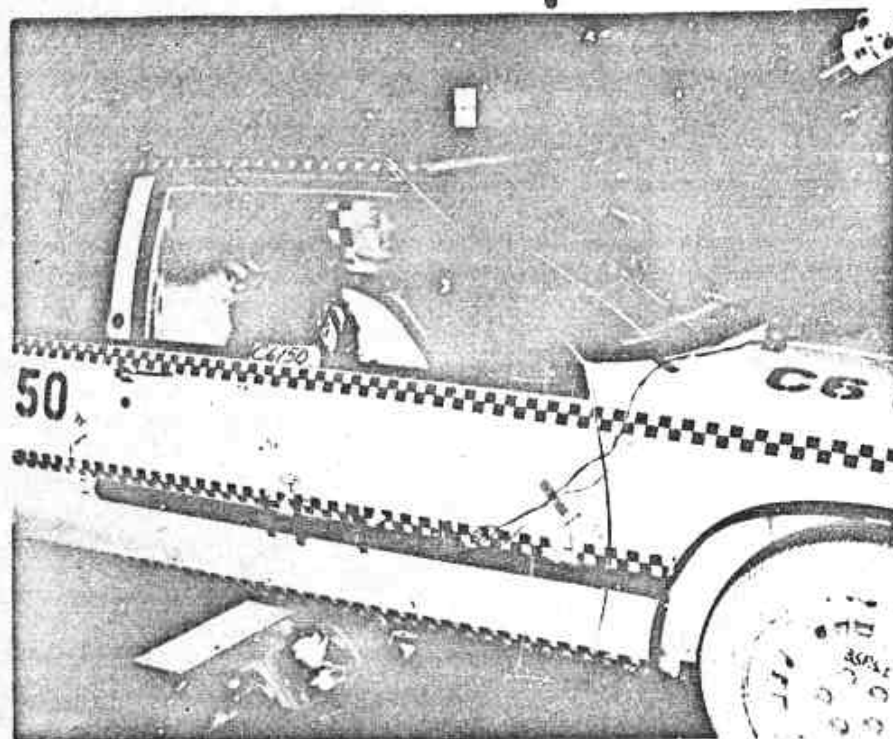
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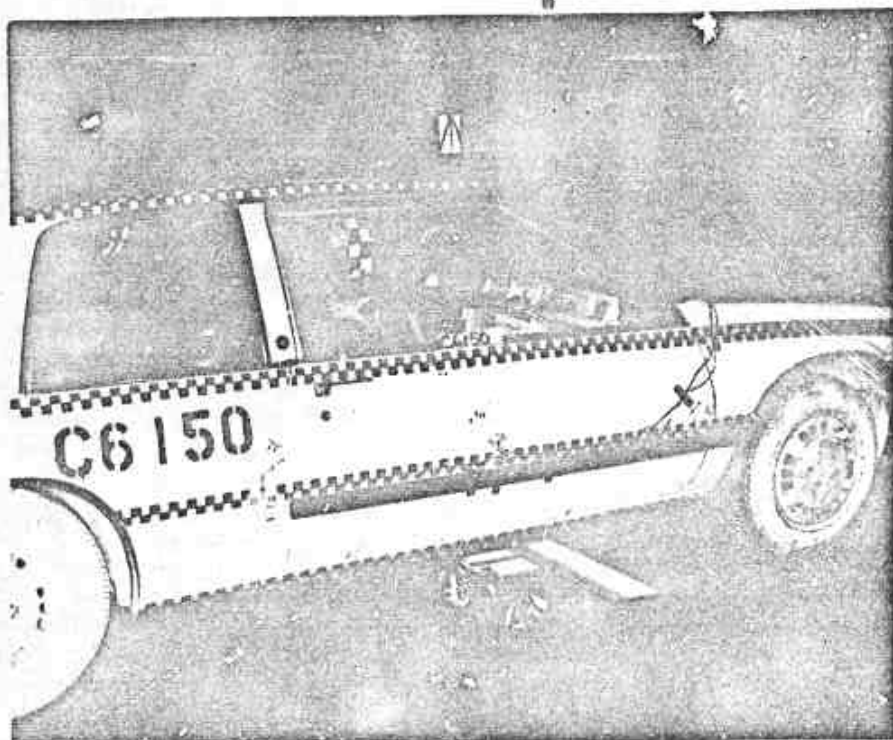
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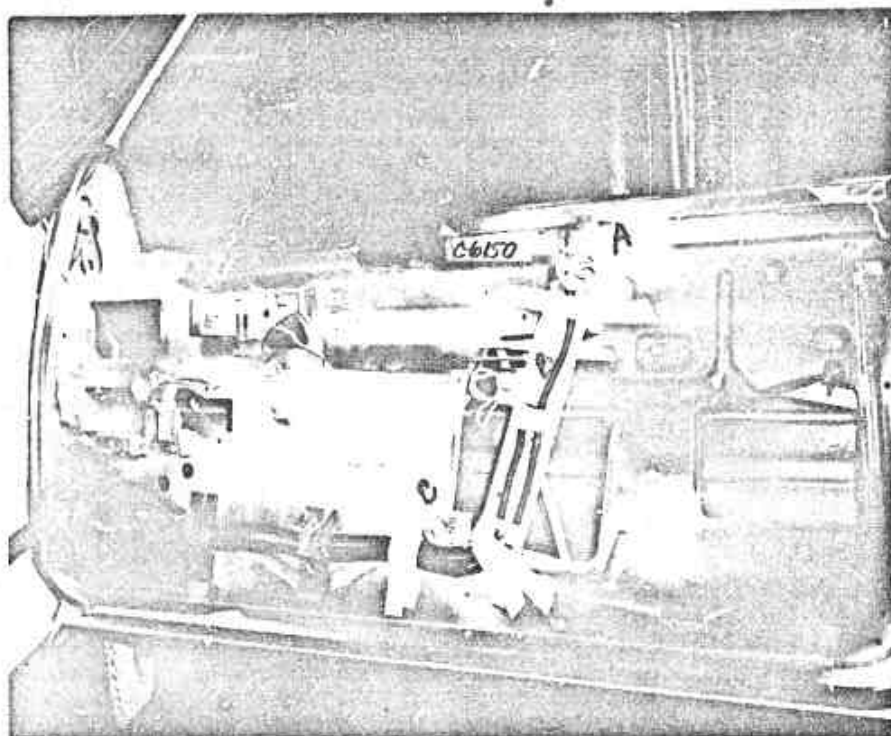


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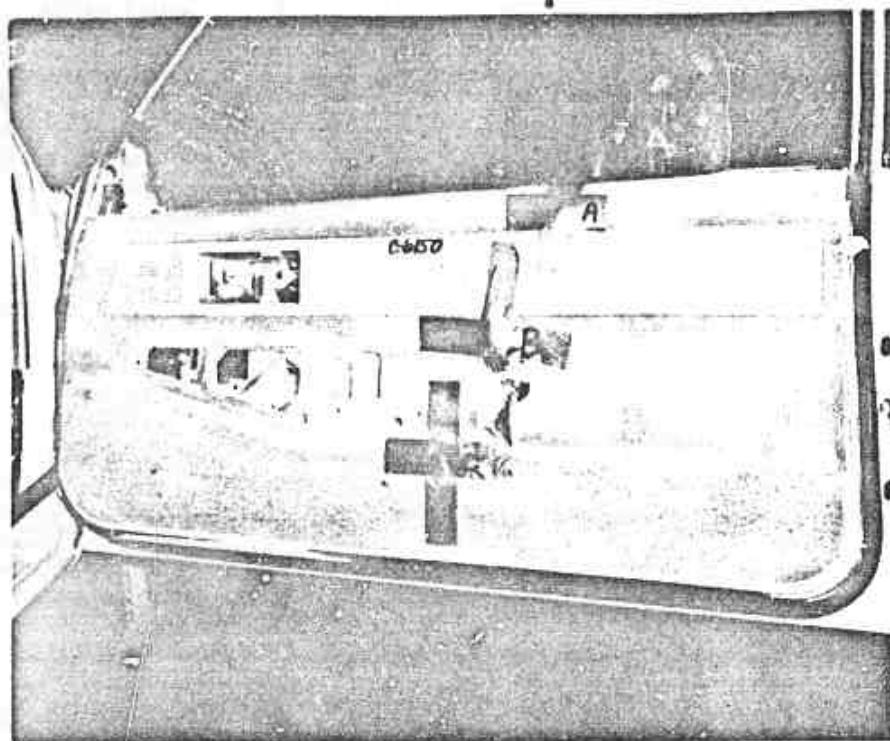


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185	

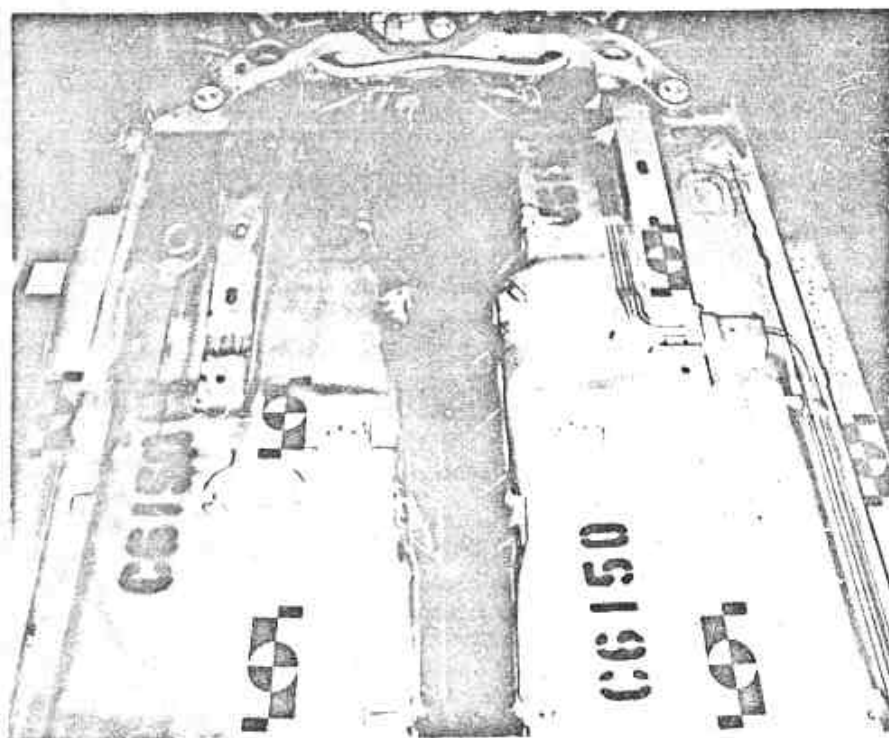


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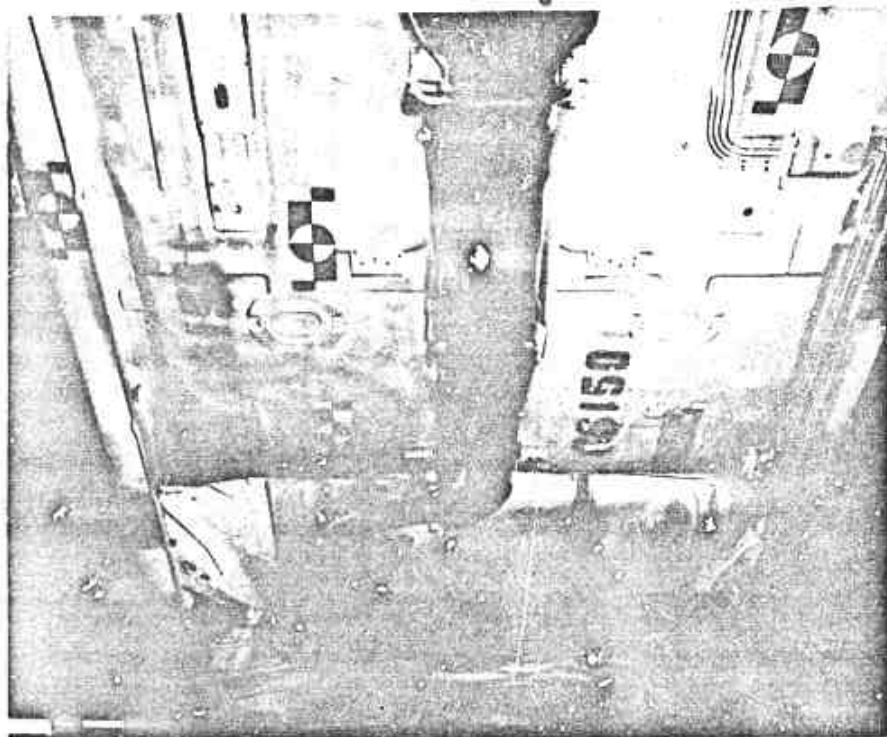
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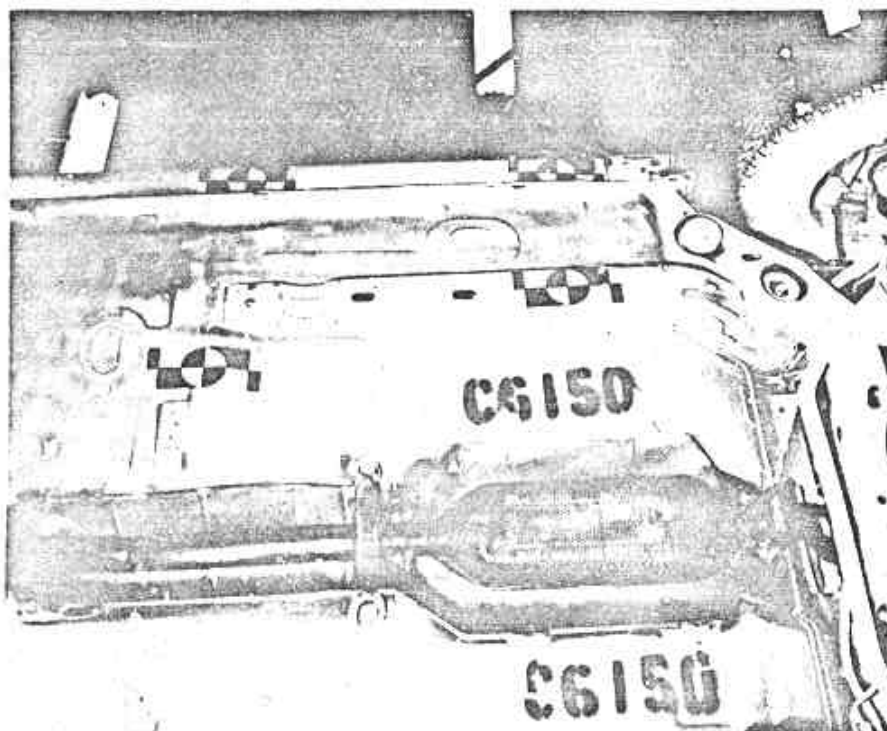
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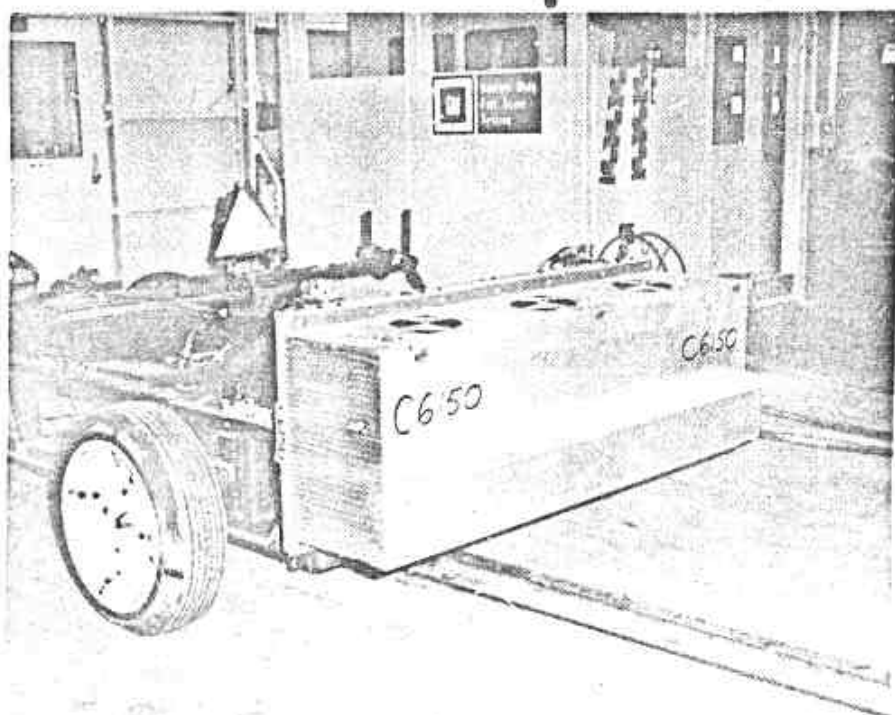


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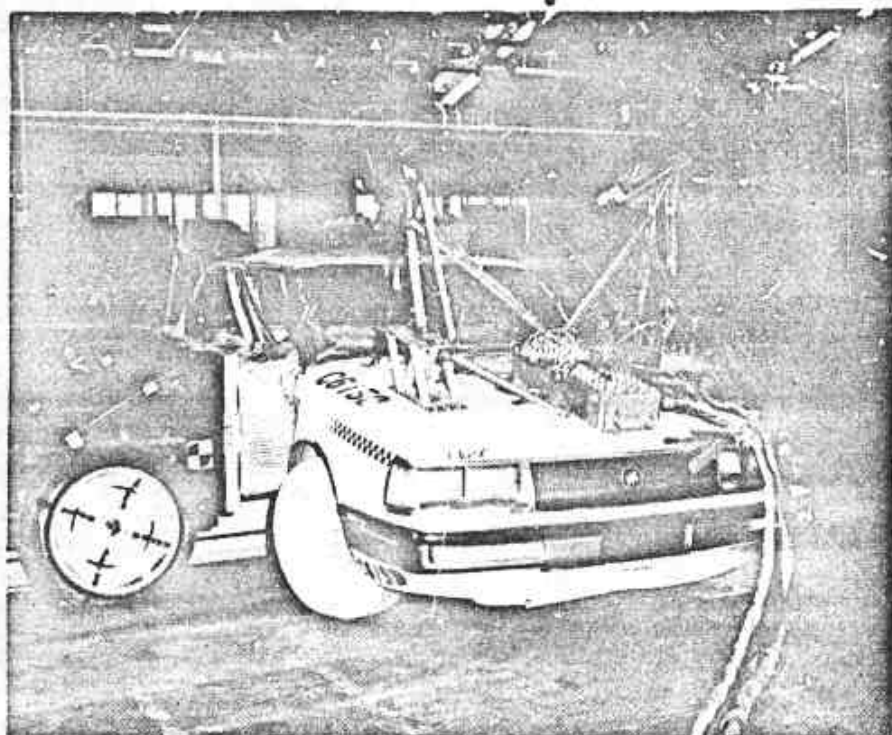


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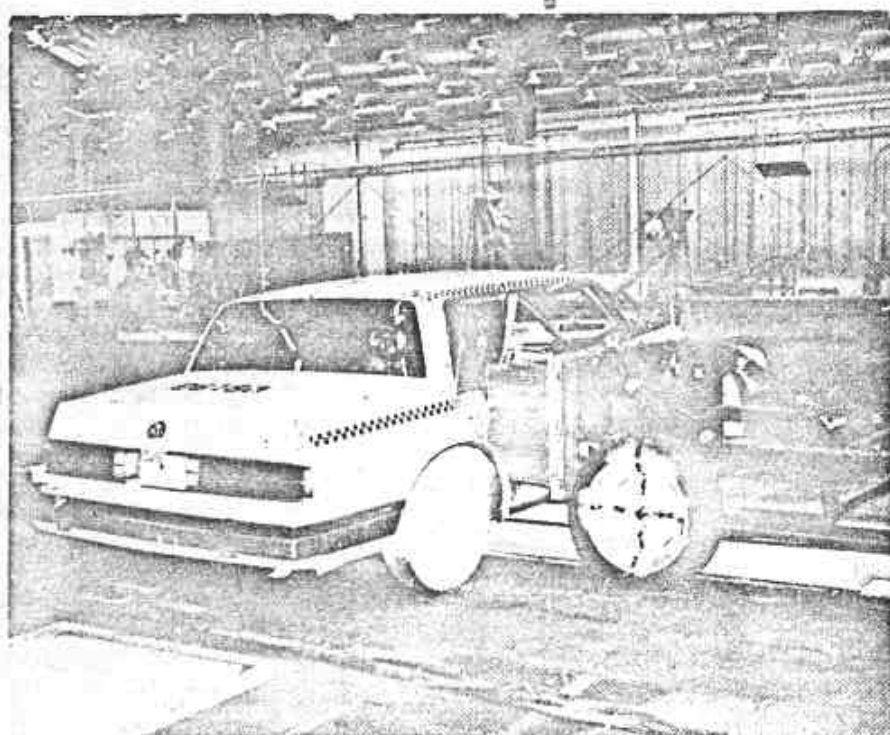


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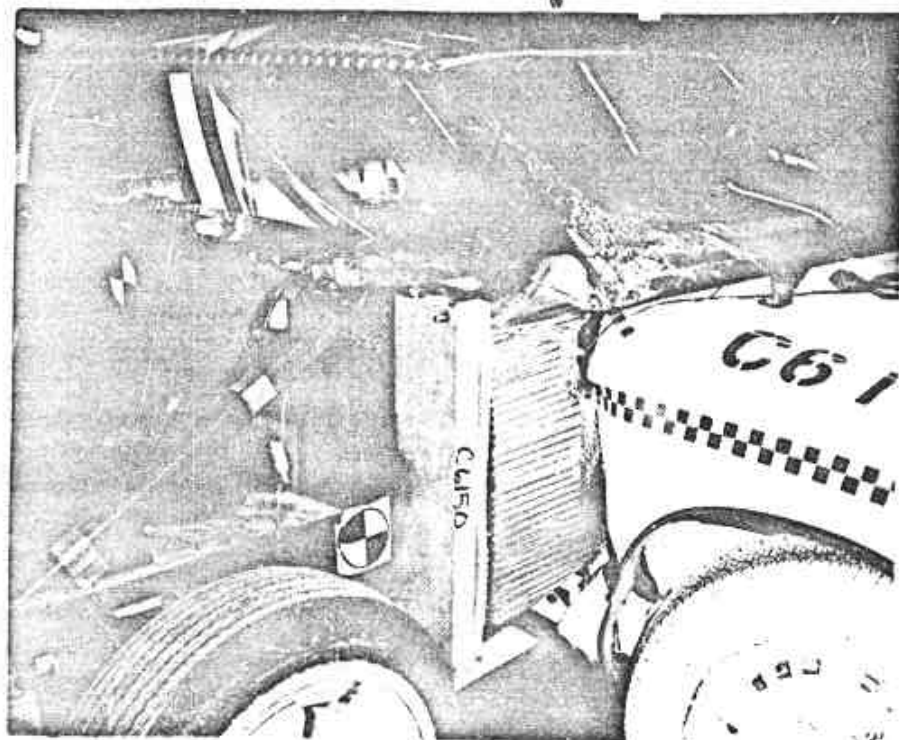
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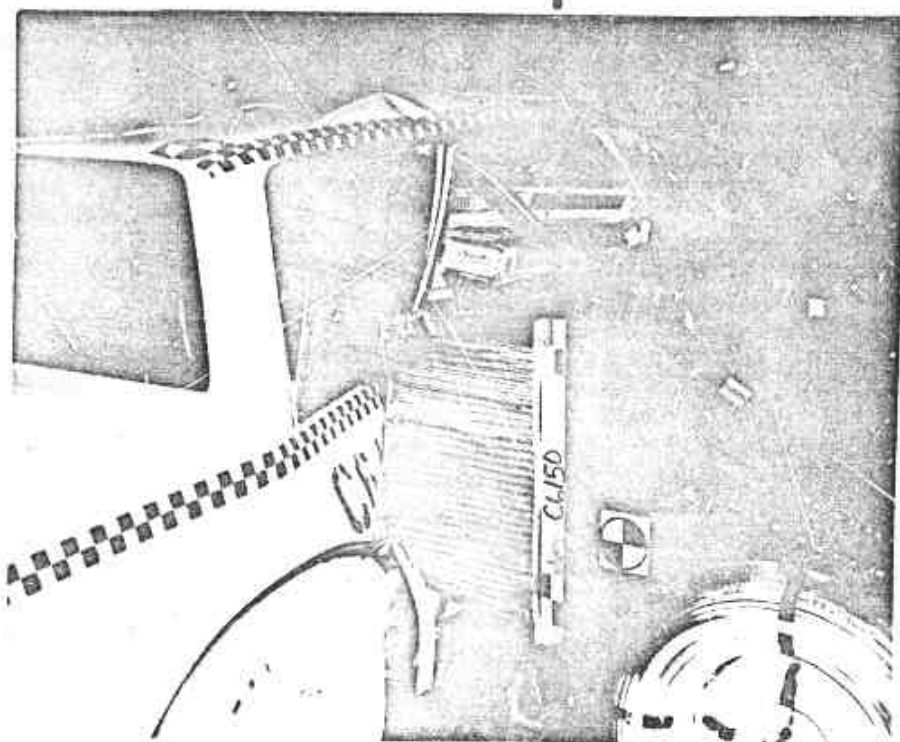
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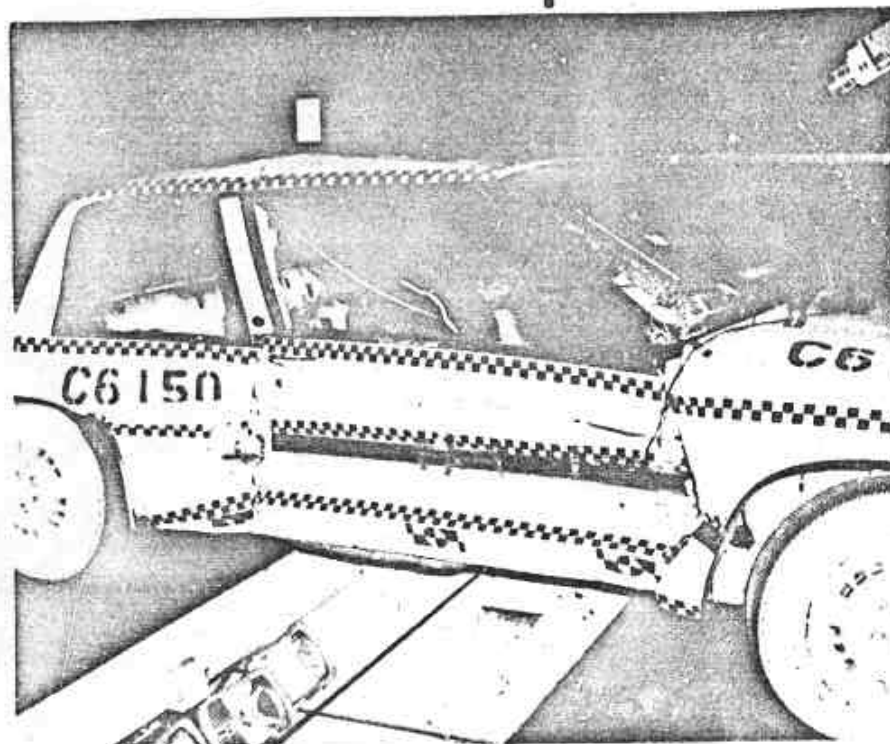
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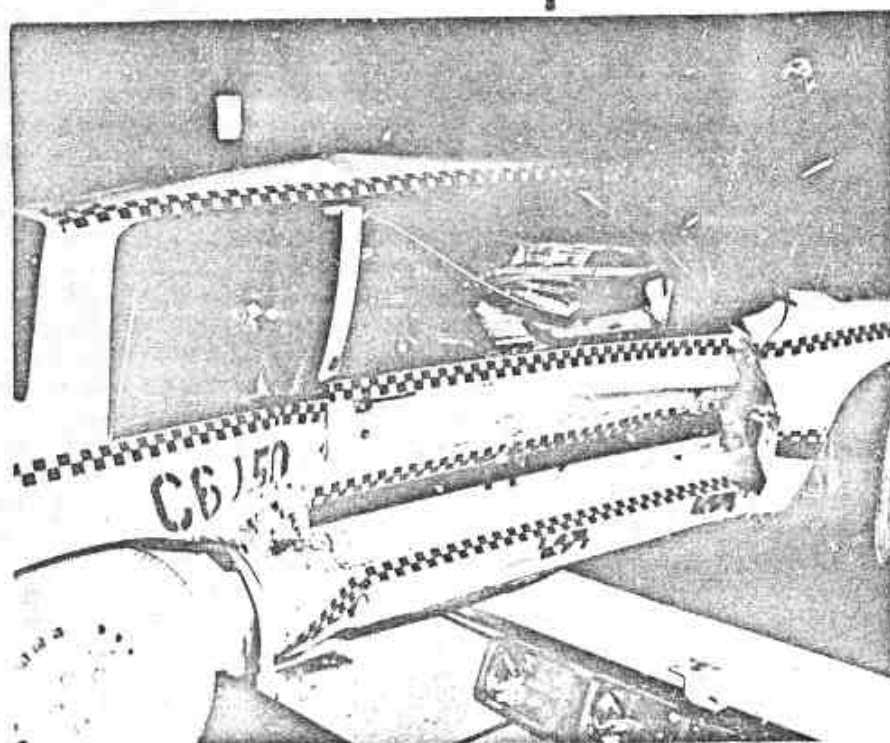
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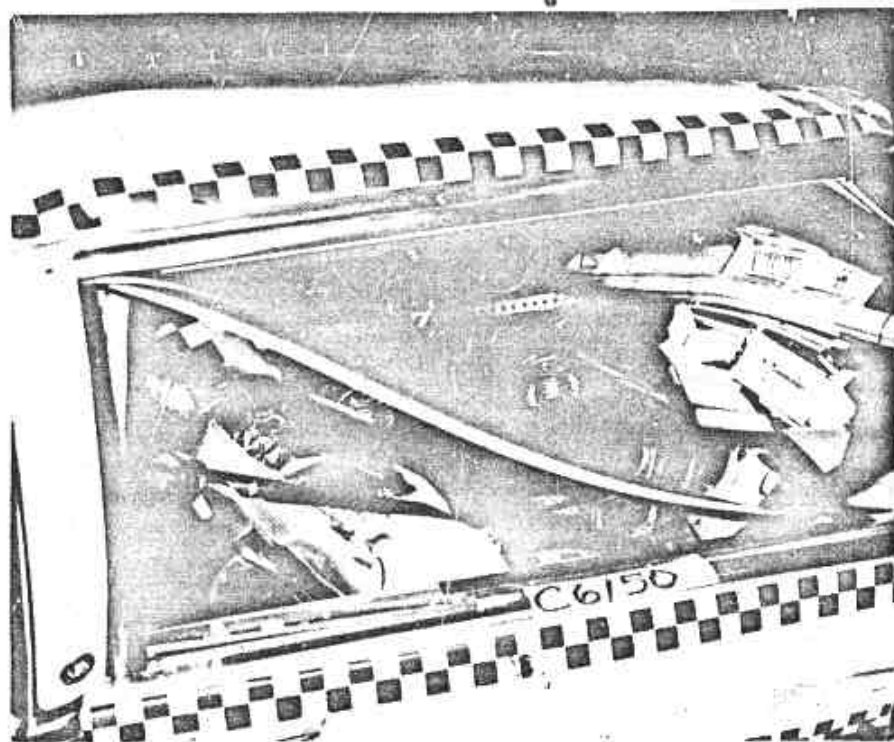
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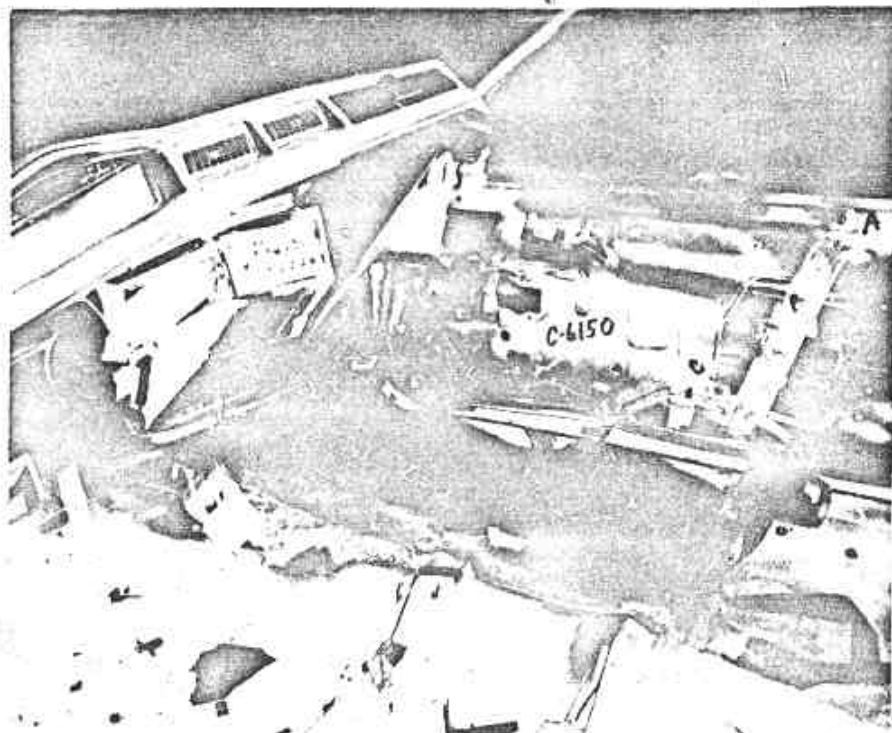
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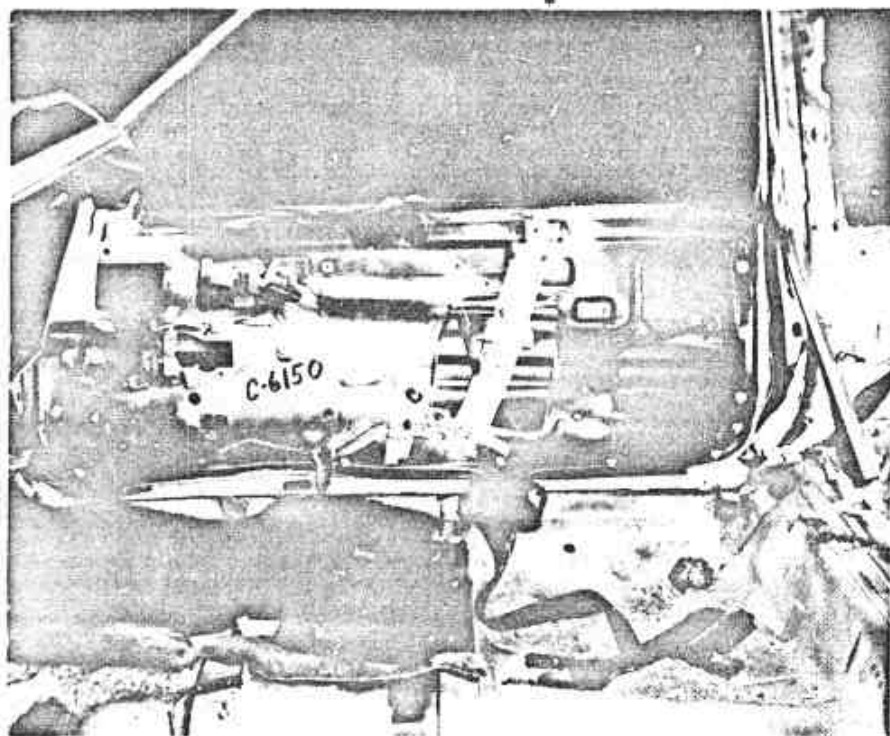
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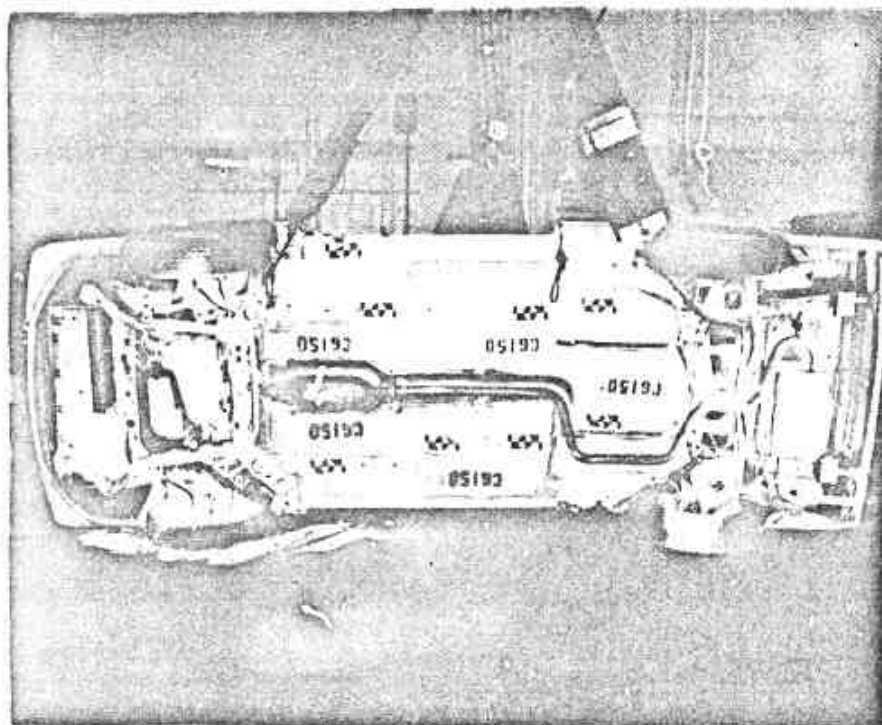
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17985	2



Document No.	Fig. No.
17985	133



Document No.	Fig. No.
17985	134



Document No.	Fig. No.
47985	135



Document No.	Fig. No.
47985	136

