

1077



Current Product Engineering

REV 2.0

test report

General Motors Corporation
General Motors Proving Ground
Milford, Michigan 48042

TITLE

MOVING BARRIER TO PARKED
VEHICLE--RIGHT SIDE IMPACT,
60° DIFFERENCE

SAFETY RESEARCH & DEVELOPMENT LAB
Current Product Engineering

REPORT NO. PG 47087 DATE June 15, 1984

PASSENGER CAR

TEST NO. C-5915



TEST REPORT

PAGE NO. 1

TYPE IMPACT

FRONT 0° 30° LEFT 30° RIGHT
VEHICLE TO VEHICLE STRIKING VEHICLE STRUCK VEHICLE
VEHICLE TO
X OTHER MOVING BARRIER

REPORT NO. PG
SRDL TEST NO. C-5915
TEST DATE 3-28-84

VEHICLE DESCRIPTION

MAKE	YEAR	BODY TYPE	BODY STYLE	DIVISION CAR NUMBER	BUILD STATUS				
Olds.	1983	J-Body	3JC77	CC457	*Modified Production				
ENGINE	CONFIGURATION	L4	DISPLACEMENT	2.0 L	STYLE	Bucket			
	FUEL	Gasoline				ADJUSTER TYPE	Manual		
	FUEL INDUCTION	T.B.I.				TRIM MATERIAL	Cloth		
SPARE TIRE	TYPE					Removed for test.	HEAD RESTRAINT TYPE	Adjustable	
FUEL TANK	USABLE CAP	NA	L	UNUSABLE CAP	NA	L	AC YES X NO	P.S. YES X NO	P/B YES X NO
STRG. COL.	TILT OPTION	YES X NO	T&T OPTION	YES NO X	TRANSMISSION	AUTOMATIC X MANUAL	SPEED		3
SPECIAL FEATURES: *Right side door inner side intrusion beam was removed.									

TEST CONDITIONS

VEHICLE			DUMMIES		
VELOCITY AT IMPACT	0.0 km/h		MAKE	NO.	
TEST MASS	FRONT	784 kg	TYPE	MASS kg	
LESS DUMMIES	REAR	510 kg	RESTRAINT		
INCLUDING DUMMIES X	TOTAL	1294 kg	LAT. POS.	mm RELATIVE TO	
ENGINE RUNNING	YES NO X		RIGHT FRONT	MAKE *M50SI	NO. 32
FUEL TANK	TEST VOLUME: CONTENTS	Empty	TYPE	50th %ile Male MASS 70.3 kg	
	% OF USABLE CAPACITY	-	RESTRAINT	Lap & Shoulder Belt	
FUEL LINES & CARBURETOR	FILLED	YES NO X	LAT. POS.	334 mm RELATIVE TO Vehicle	
STEERING COLUMN	TILT POSITION	Column removed for test.	MAKE	NO	
SEAT	TELESCOPE POSITION	NA	TYPE	MASS kg	
HEAD REST	POSITION	MID	RESTRAINT		
VEHICLE ATTITUDE	J = DRIVER SIDE 237 mm	PASSENGER SIDE 236 mm	LAT. POS.	mm RELATIVE TO	
	K = DRIVER SIDE 226 mm	PASSENGER SIDE 221 mm	TEST CONFIGURATION:		
COMMENTS:			See Page 2 for Test Configuration.		

RECORDED DATA

VEHICLE DATA -- See Page 2		DUMMY DATA		DR	RF
ROCKER PANEL AVERAGE ACCELERATION	FRAME ACCELERATION	HEAD TRIAXIAL ACCELERATION		X	
FLOOR PAN AVERAGE ACCELERATION	ENGINE ACCELERATION	CHEST TRIAXIAL ACCELERATION		X	
BARRIER FACE LOAD CELLS		CHEST DEFLECTION			
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	X GLOVE BOX
ONBOARD	UNDERBODY X	FUEL TANK	OVERALL	DOCUMENTARY X	IMPACT AREA X
OTHER	UNDERDASH	DRIVER	RIGHT FRONT PASSENGER	STEERING COLUMN X	RT. FRONT DOOR X

RECORDED VEHICLE DATA

(STRUCK VEHICLE)

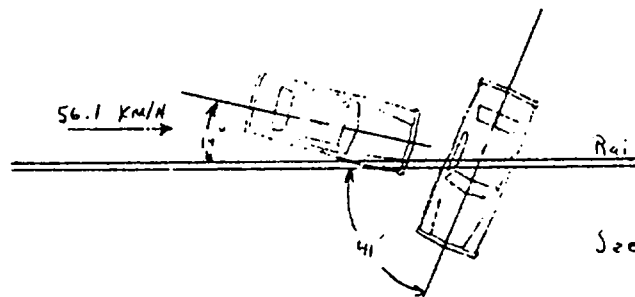
- o Right side door triaxial accelerations at Points A, B, C, and D
- o Driver side door lateral acceleration at Point A'
- o Right side 'B' pillar lateral displacement
- o Driver side floorpan triaxial acceleration
- o Right side trunk triaxial acceleration
- o Vehicle kinematics acceleration

(STRIKING VEHICLE)

- o Front triaxial acceleration
- o Mid triaxial acceleration

TEST CONFIGURATION

The point of impact was 2225.3 mm forward of the rear axle centerline on the struck vehicle, and the right corner of the bumper on the striking vehicle. The bumper height of the striking vehicle was 394 mm from the bottom edge to ground.

TEST DUMMY MODIFICATION

The dummy's right arm, clavicle, shoulder clavicle, Ensolite chest pad, leather bib, and all leather sternum stiffeners were removed prior to test. Padding to the 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 896 kg, Rear 466 kg, Total 1362 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.	450 rwd, 504 up	<u>144</u>
A'	Driver side door - inner panel, inner surface.	450 rwd, 504 up	<u> </u>
B	Right side door - inner panel, inner surface.	376 rwd, 349 up	<u>144</u>
C	Right side door - inner panel, inner surface.	303 rwd, 194 up	<u>144</u>
D	Right side door - inner panel, inner surface.	102 rwd, 169 up	<u>144</u>
	Center 'B' pillar - inner panel, right side at beltline.	ND	
	Floorpan inner surface - driver side side.	ND	
	Trunk inner surface - passenger side.	ND	



POST-TEST OBSERVATIONS

STRIKING VEHICLE
STRUCK VEHICLE XREPORT NO. PG.
SRDL TEST NO. C-5915

		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					
METAL	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							
DRIVE							
BODY							
FUEL SPILLAGE DURING OR AFTER IMPACT							

- NOTES:
1. Passenger side seat outboard adjuster was deformed by the amount of side deformation.
 2. Removed prior to test.
 3. The right side of the instrument panel was partially detached.
 4. The glove box door separated due to deformation in that area.

NA NOT APPLICABLE ND NOT DETERMINED

PAGE NO. 5

SRDL TEST NO. C-5915

STRUCK VEHICLE DATA

<u>Residual Lateral Displacement</u>	<u>Displacement (mm)</u>
(Door Outer Surface)	
Right side door at occupant shoulder (Point A)	444
Right side door at occupant mid torso (Point B)	523
Right side door at occupant hip (Point C)	538
Right side door at occupant foot (Point D)	104
(Door Inner Surface)	
Right side door at occupant shoulder (Point A)	400
Right side door at occupant mid torso (Point B)	464
Right side door at occupant hip (Point C)	460
Right side door at occupant foot (Point D)	352

ACCELERATIONS, VELOCITIES & DISPLACEMENTS (STRUCK VEHICLE)FIGURE
NUMBER

RIGHT FRONT DOOR AT POINT A, B, C, D:

1-12 ACCELERATIONS
13-24 1ST INTEGRATION OF ACCELERATION
25-36 2ND INTEGRATION OF ACCELERATION

DRIVER SIDE FLOORPAN:

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

RIGHT SIDE TRUNK:

46-48 ACCELERATIONS
49-51 1ST INTEGRATION OF ACCELERATION
52-54 2ND INTEGRATION OF ACCELERATION

DRIVER SIDE DOOR AT POINT A':

55 ACCELERATION
56 1ST INTEGRATION OF ACCELERATION
57 2ND INTEGRATION OF ACCELERATION

RIGHT SIDE 'B' PILLAR AT THE BELTLINE:

58 DISPLACEMENT
59 1ST DIFFERENTIATION OF DISPLACEMENT

VEHICLE KINEMATICS:

60-68 ACCELERATIONS

VEHICLE INSTRUMENTATION (STRUCK VEHICLE)FIGURE
NUMBER

RIGHT FRONT DUMMY:

69	HEAD ACCELERATION
70	CHEST ACCELERATION
71	PELVIC ACCELERATION
72	LOWER SPINE ACCELERATION
73-74	RIB ACCELERATION
75-76	RIB DISPLACEMENT
77	CONTACTS

ACCELERATIONS, VELOCITIES & DISPLACEMENTS (STRIKING VEHICLE)

BARRIER FRONT:

78-84	ACCELERATIONS
85-91	1ST INTEGRATION OF ACCELERATION
92-98	2ND INTEGRATION OF ACCELERATION

BARRIER MID:

99-105	ACCELERATIONS
106-112	1ST INTEGRATION OF ACCELERATION
113-119	2ND INTEGRATION OF ACCELERATION

VEHICLE KINEMATICS:

120-128	ACCELERATION
---------	--------------

FILM ANALYSIS

129	STRUCK VEHICLE VELOCITY
130	STRIKING VEHICLE VELOCITY
131	STRUCK VEHICLE ANGLE RELATIVE TO GROUND
132	STRIKING VEHICLE ANGLE RELATIVE TO GROUND
133	NHTSA BARRIER ANGLE RELATIVE TO STRUCK VEHICLE ANGLE
134	NHTSA BARRIER RELATIVE TO STRUCK VEHICLE VELOCITY
135	NHTSA BARRIER RELATIVE TO STRUCK VEHICLE DISPLACEMENT

PHOTOGRAPH INDEXFIGURE
NUMBER

PRE TEST PHOTOGRAPHS:

136-139 OVERALL OF TEST CONFIGURATION
140-141 CLOSEUP OF IMPACT AREA
142-143 CLOSEUP OF DUMMY AND INTERIOR - STRUCK VEHICLE
144-145 RIGHT SIDE DOOR ACCELEROMETERS AT POINTS A, B, C, & D - STRUCK VEHICLE
146 MID VEHICLE UNDERBODY - STRUCK VEHICLE
147 CLOSEUP OF INSTRUMENTATION AND CAMERA MOUNTING IN TRUNK - STRUCK VEHICLE

POST TEST PHOTOGRAPHS:

148-151 OVERALL OF STRUCK AND STRIKING VEHICLE
152-154 OVERALL OF IMPACT AREA PASSENGER SIDE - STRUCK VEHICLE
155 CLOSEUP OF DOOR HINGE AREA - STRUCK VEHICLE
156-157 CLOSEUP OF DOOR DEFORMATION AT ROCKER PANEL - STRUCK VEHICLE
158-160 CLOSEUP OF DUMMY AND INTERIOR - STRUCK VEHICLE
161-162 CLOSEUP OF DOOR DEFORMATION WITHOUT DUMMY OR SEAT - STRUCK VEHICLE
163 CLOSEUP OF B-PILLAR & INTERIOR DEFORMATION FROM REAR VIEW - STRUCK VEHICLE
164-166 CLOSEUP OF REAR EXTERIOR FACE - STRIKING VEHICLE

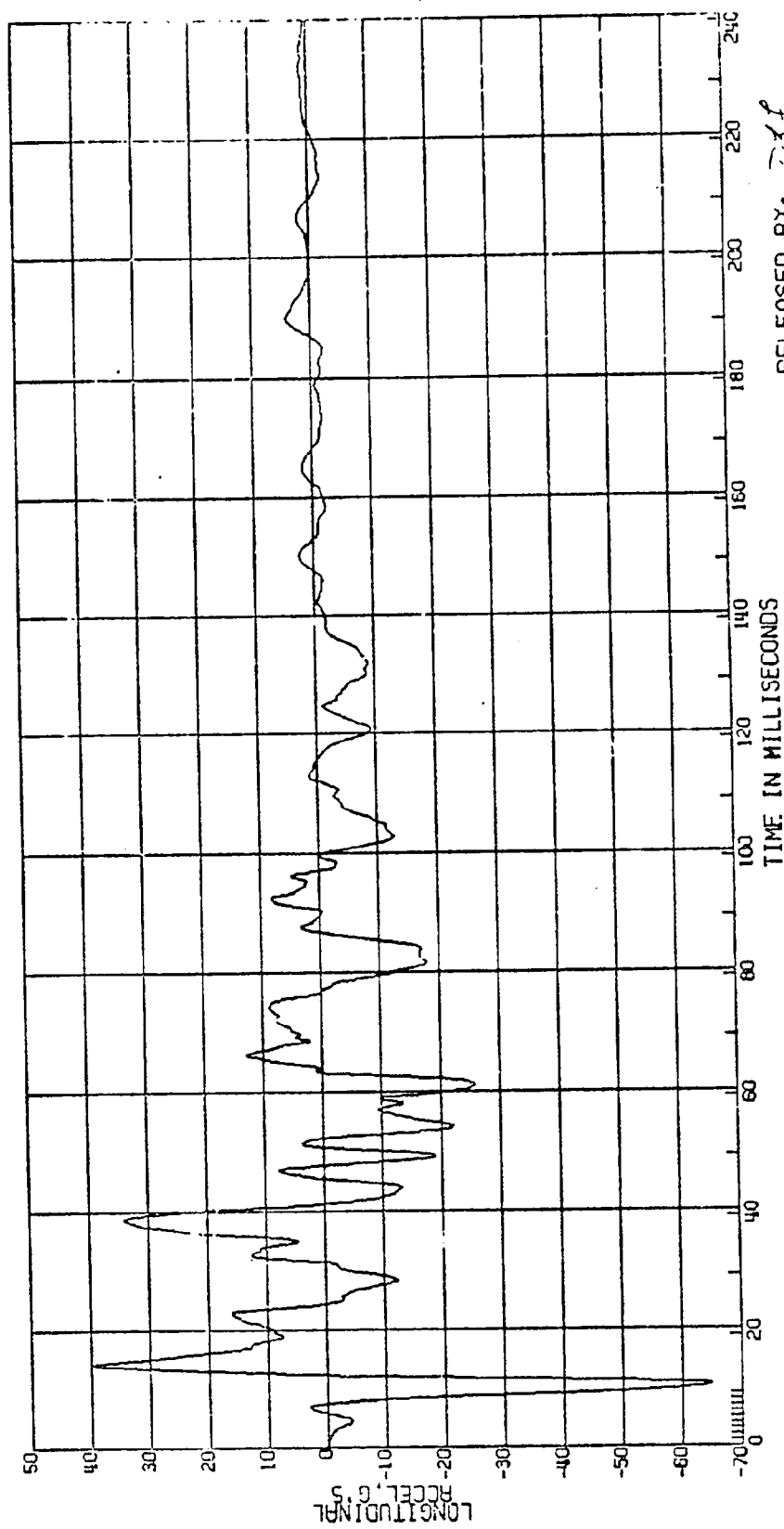
CS915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 1

3865-337 RT FRT DOOR (A) ACCEL.

TEST DATE: 03-23-84

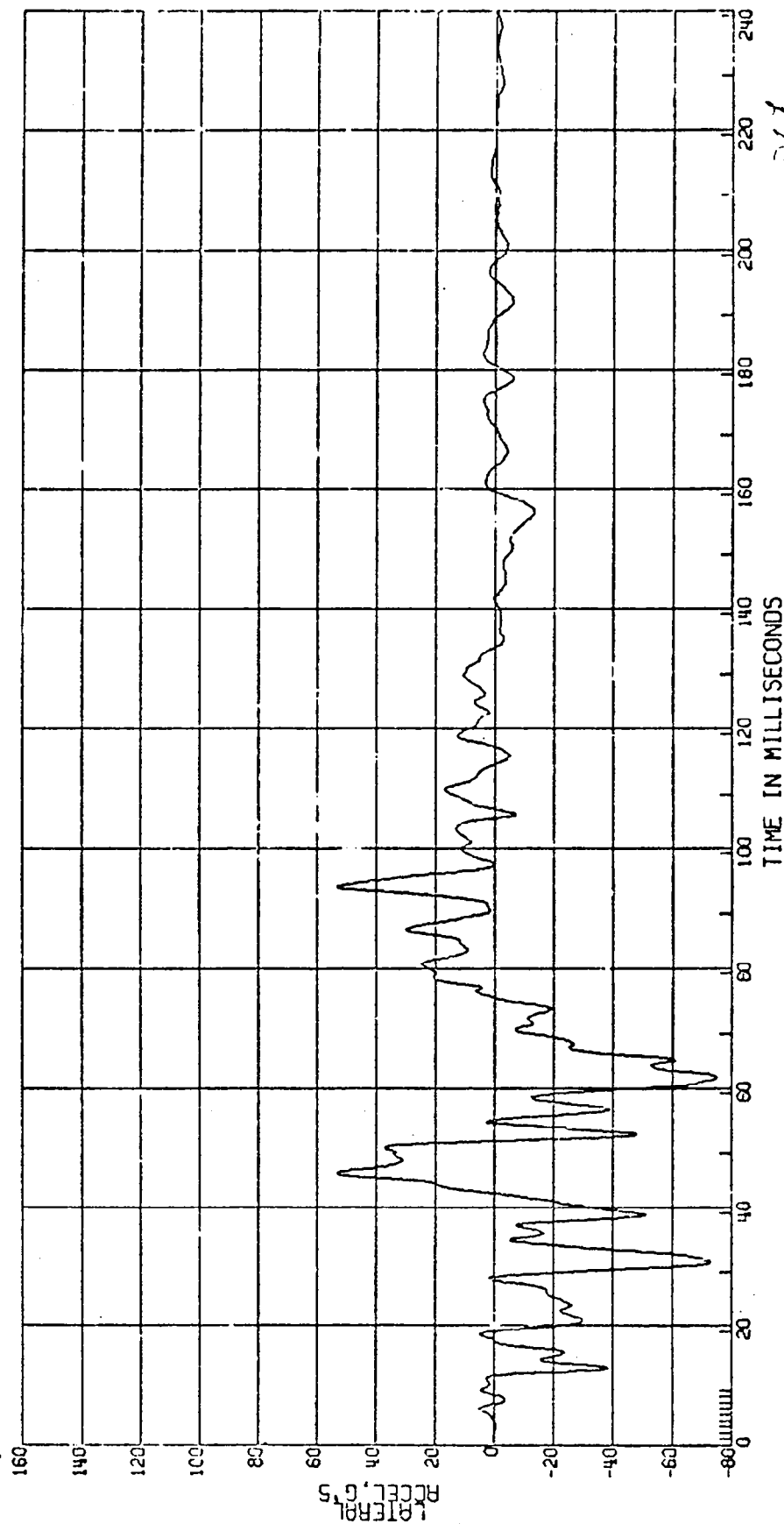
FISHER BODY CC457 3JC77 STRUCK

A-D DATA SAE CLASS 60



RELEASED BY: Dxf
14 PROCESSED 30 MAR 84 11:11

C5915A RT SIDE IMP-60DEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 2
3865-337
FISHER BODY CC457 3JC77 STRUCK
R-D DATA SAE CLASS 60
TEST DATE: 03-23-84



RELEASED BY: *DLJ*
17 PROCESSED 30 MAR 84 11:12

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 5

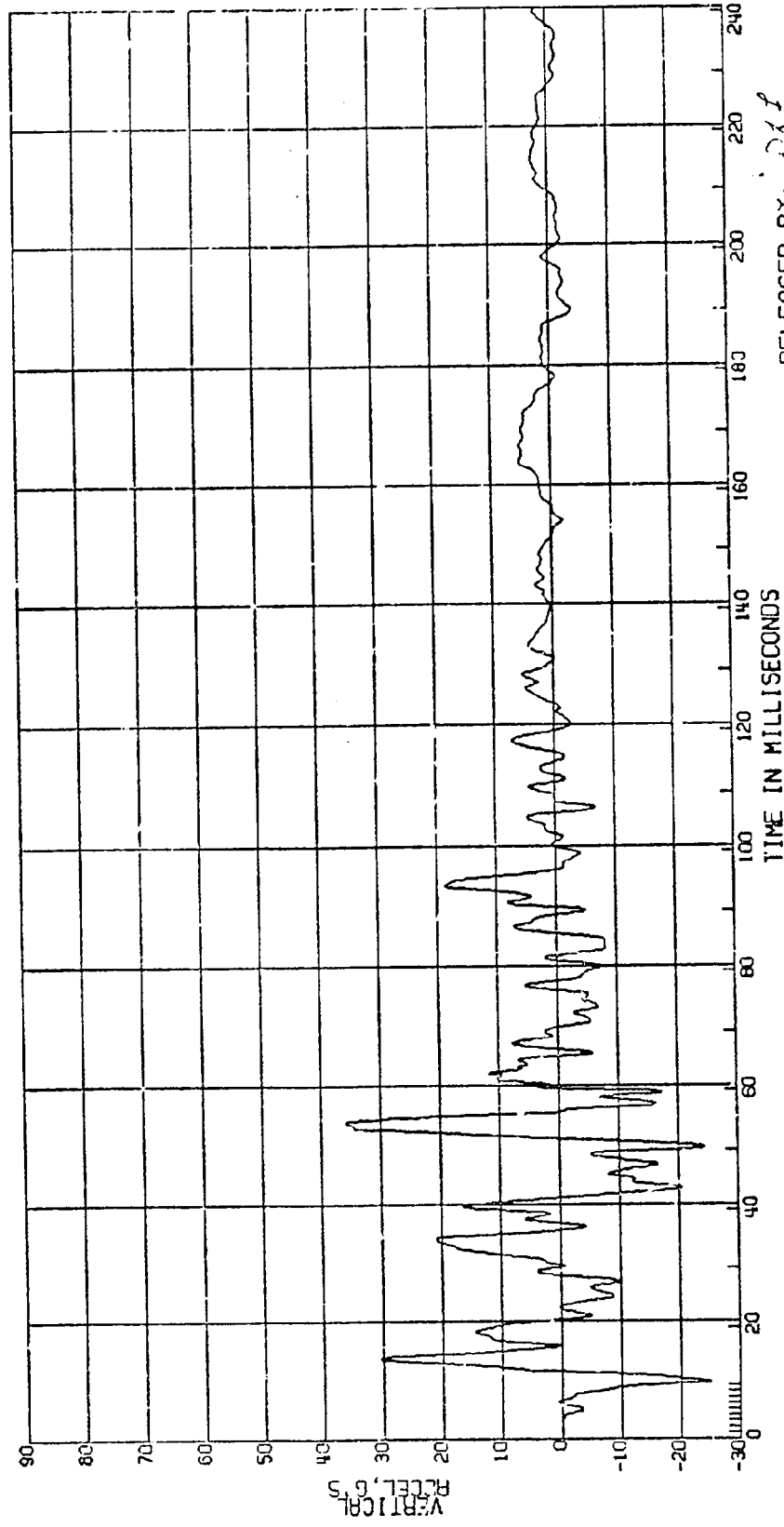
3805-337

FISHER BODY CC457 30077 STRUCK

A-D DATA SAE CLASS 30

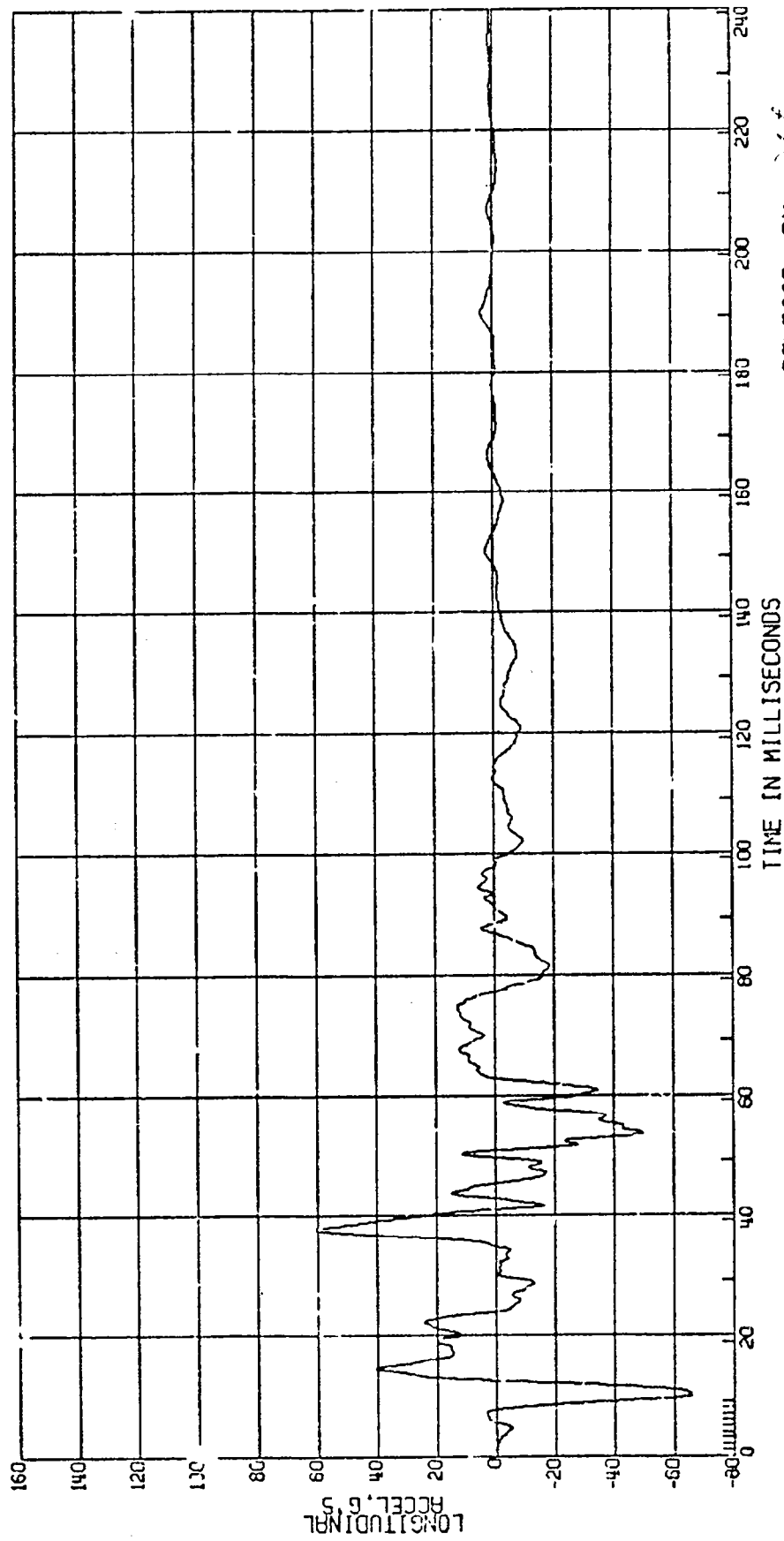
RT FRT DOOR (A) ACCEL.

TEST DATE: 05-29-84



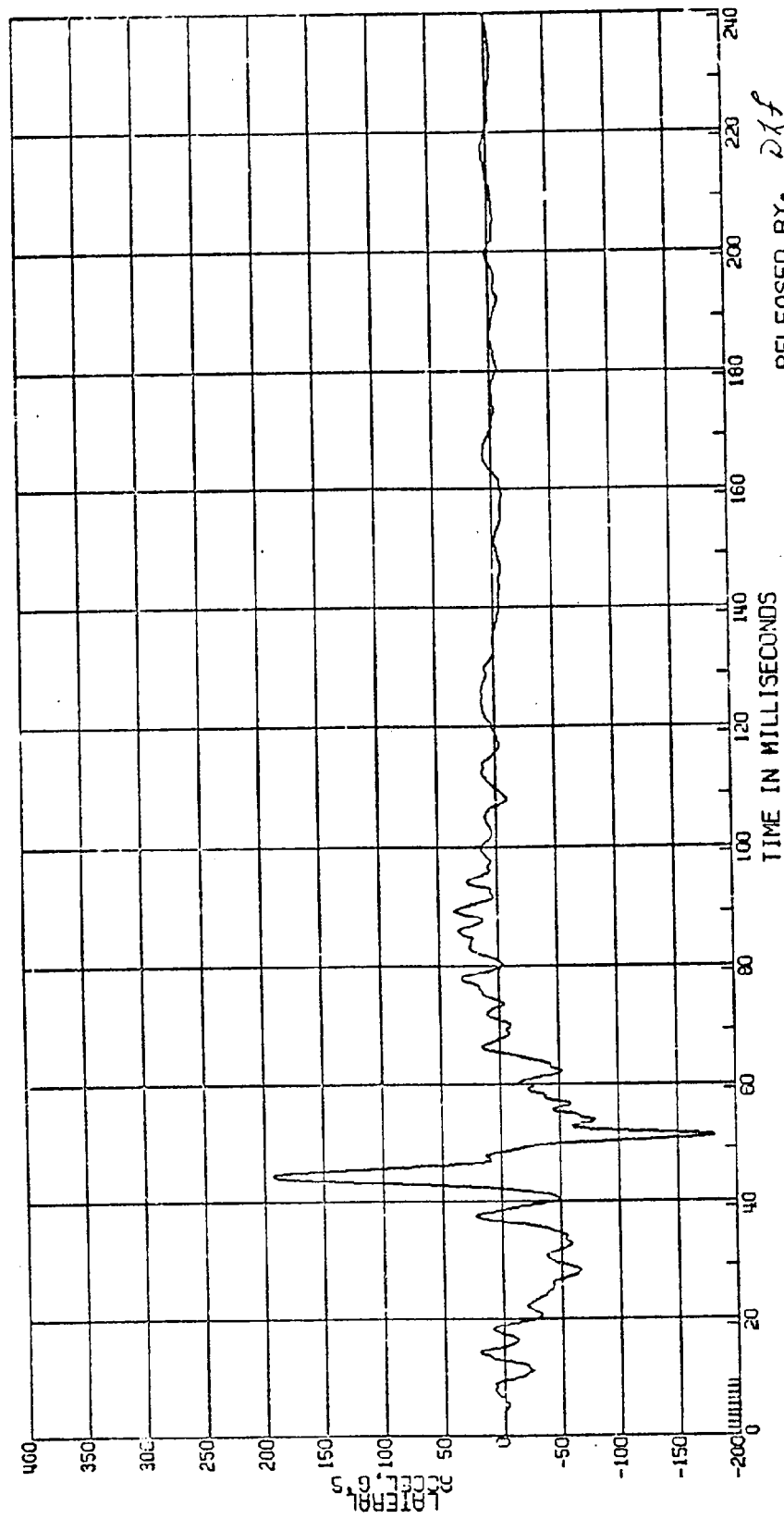
RELEASED BY: *DXF*
20 PROCESSED 30 MAR 84 11:12

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 4
3865-337
FISHER BODY: CC457 3JC77 STRUCK
A-D DATA SAE CLASS 60
TEST DATE: 03-29-84



RELEASED BY: DCF
23 PROCESSED 30 MAR 84 11:12

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 5
 3865-337
 FISHED BODY C0457 3JC77 STRUCK
 A-D DATA SRE CLASS 6C TEST DATE: 03-29-84



RELEASED BY: *DLF*
 26 PROCESSED 30 MAR 84 11:13

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 6

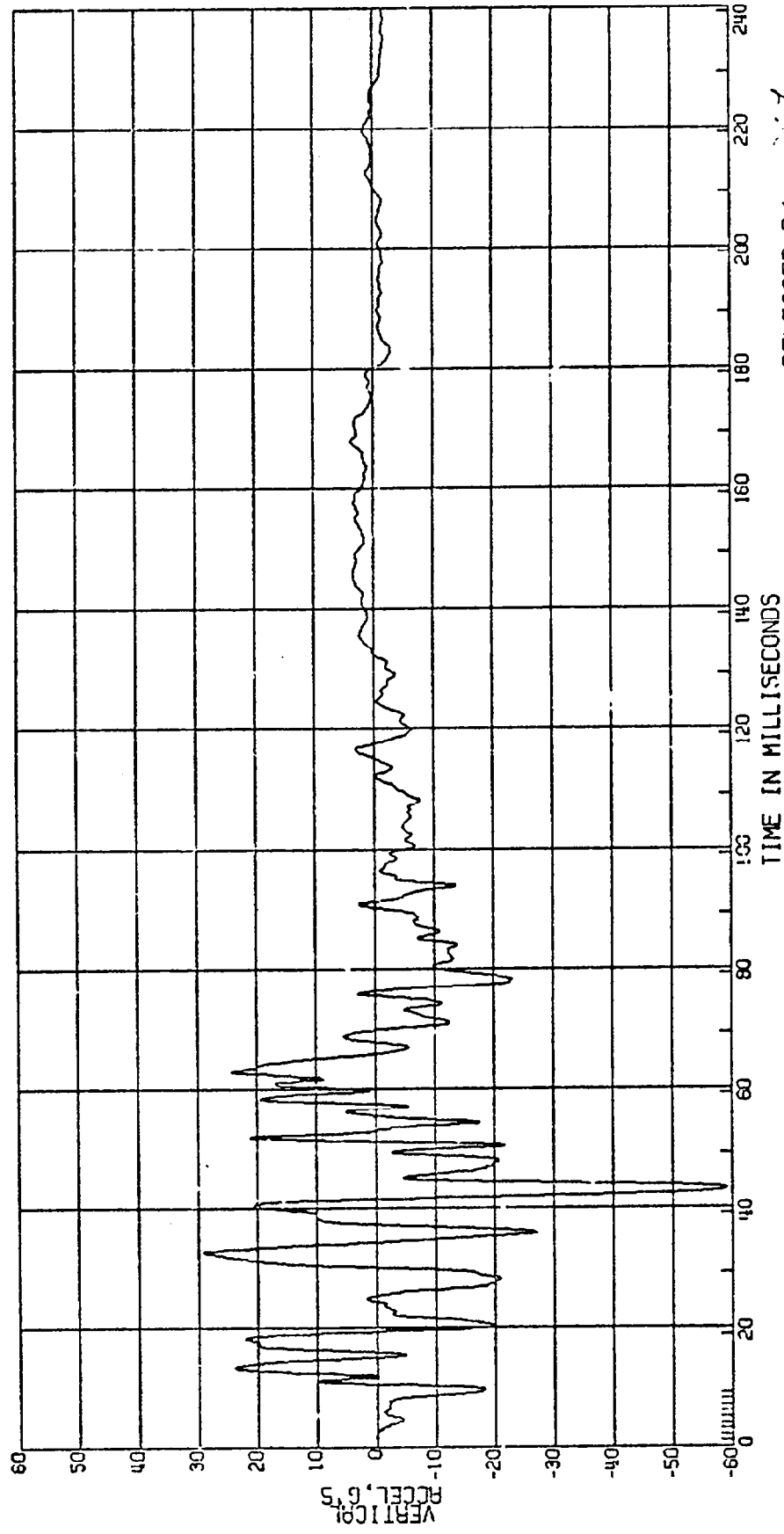
3865-337

RT FRT DOOR (B) ACCEL.

TEST DATE:03-29-84

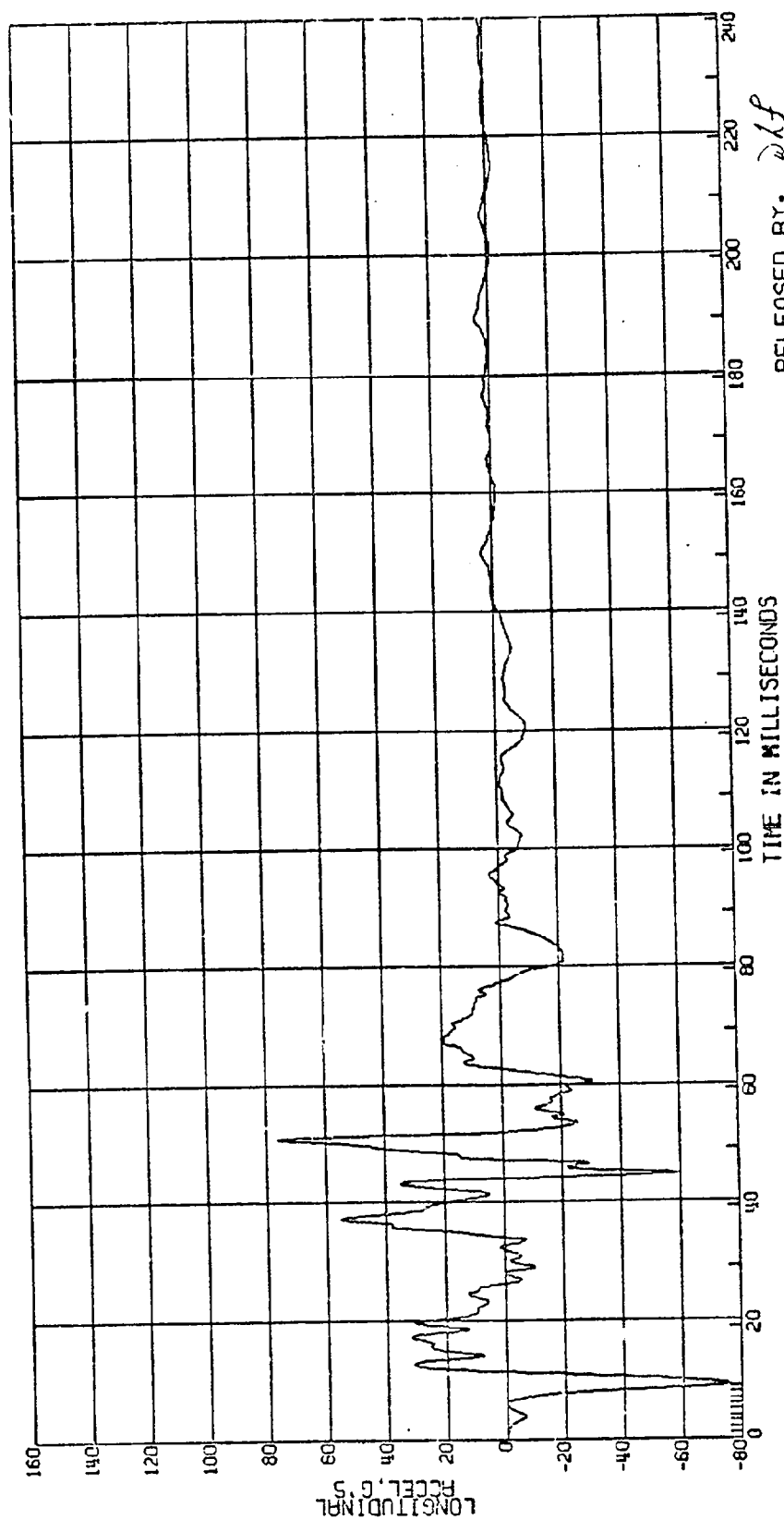
FISHER BODY CC457 3JC77 STRUCK

A-D DATA SAE CLASS 60



RELEASED BY: 0X7
29 PROCESSED 30 MAR 84 11:13

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 7
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SRE CLASS CC
 AT FRT DOOR (C) ACCEL.
 TEST DATE:03-29-84



RELEASED BY: *WLF*
 32 PROCESSED 30 MAR 84 11:13

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 8

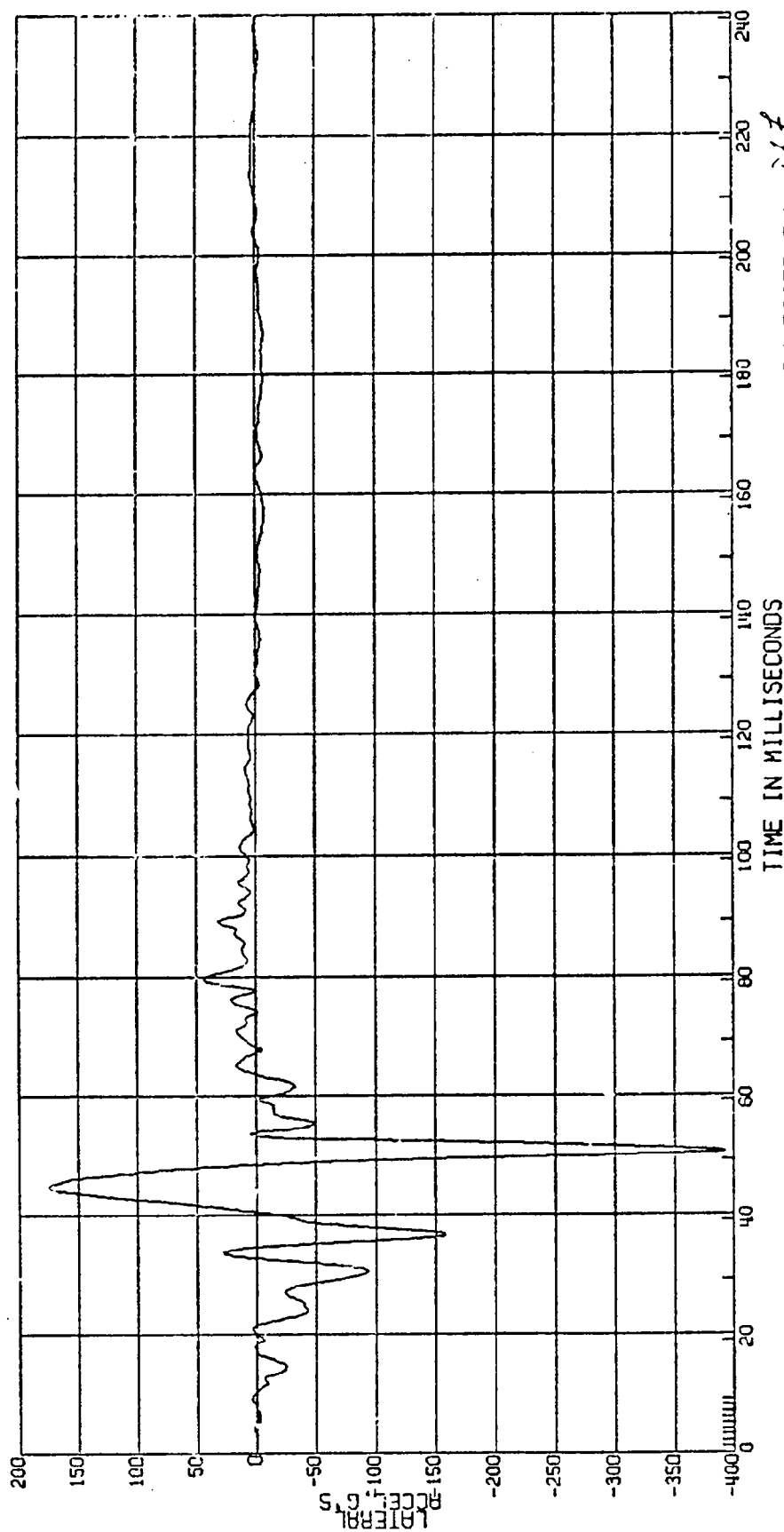
3865-337

FISHER BODY CC457 3JC77 STRUCK

A-D DATA SAE CLASS 30

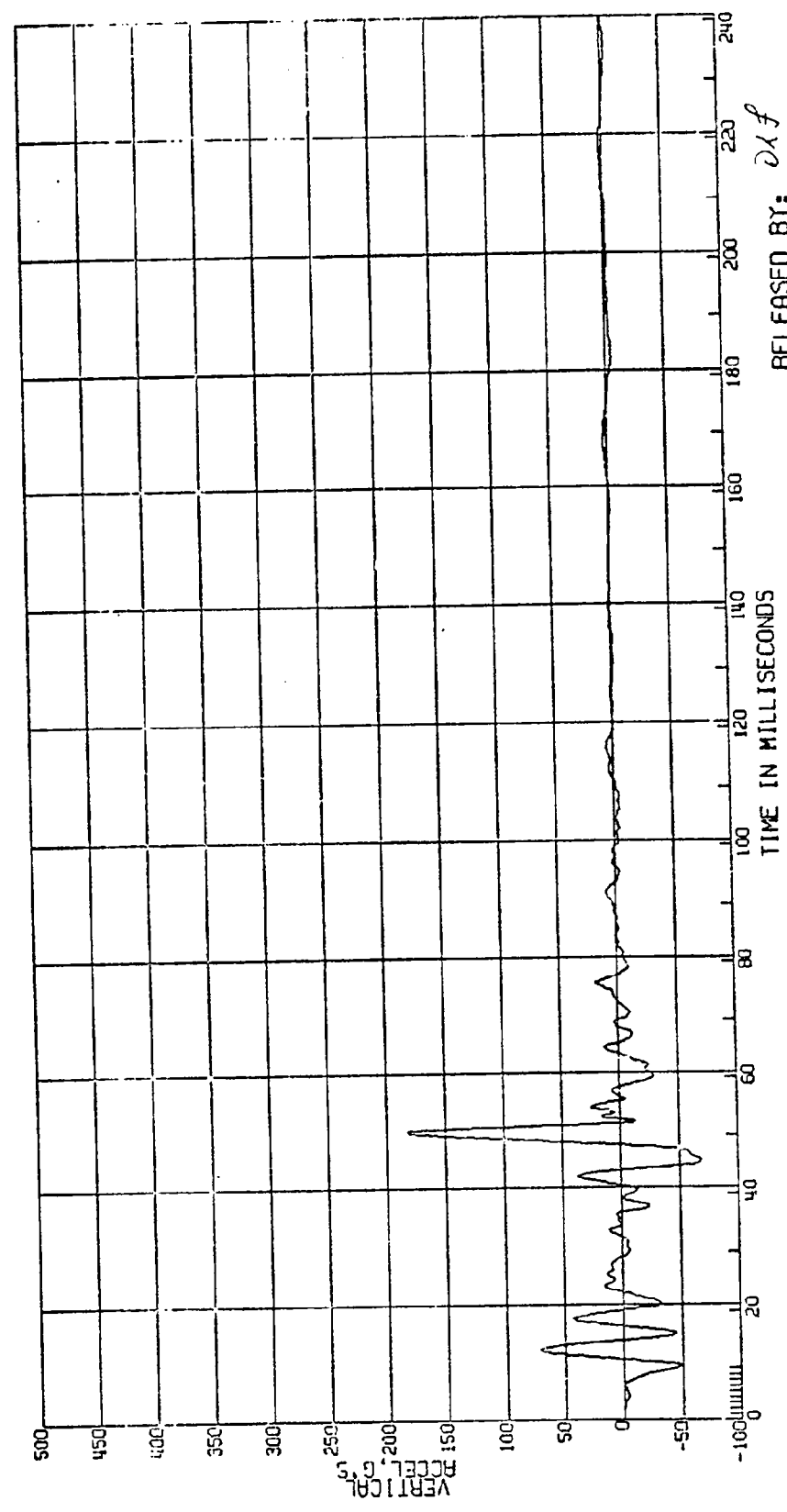
RT FRT DOOR (C) ACCEL.

TEST DATE: 03-29-84



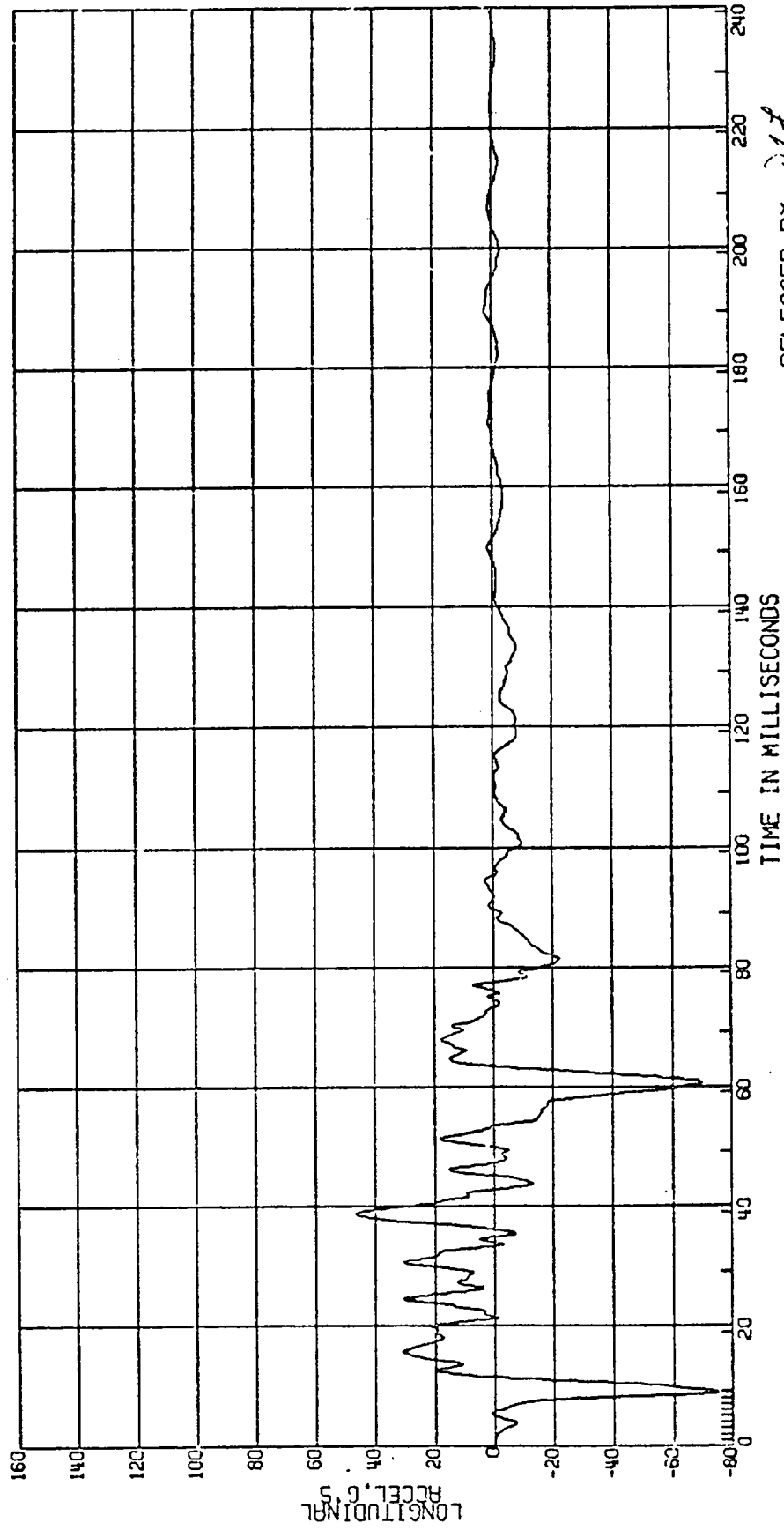
RELEASED BY: *267*
35 PROCESSED 30 MAR 84 11:14

C5915A RT SIDE IMP-600EG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE ?
 3865-337 RT FAT DOOR (C) ACCEL.
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 60 TEST DATE: 03-20-84



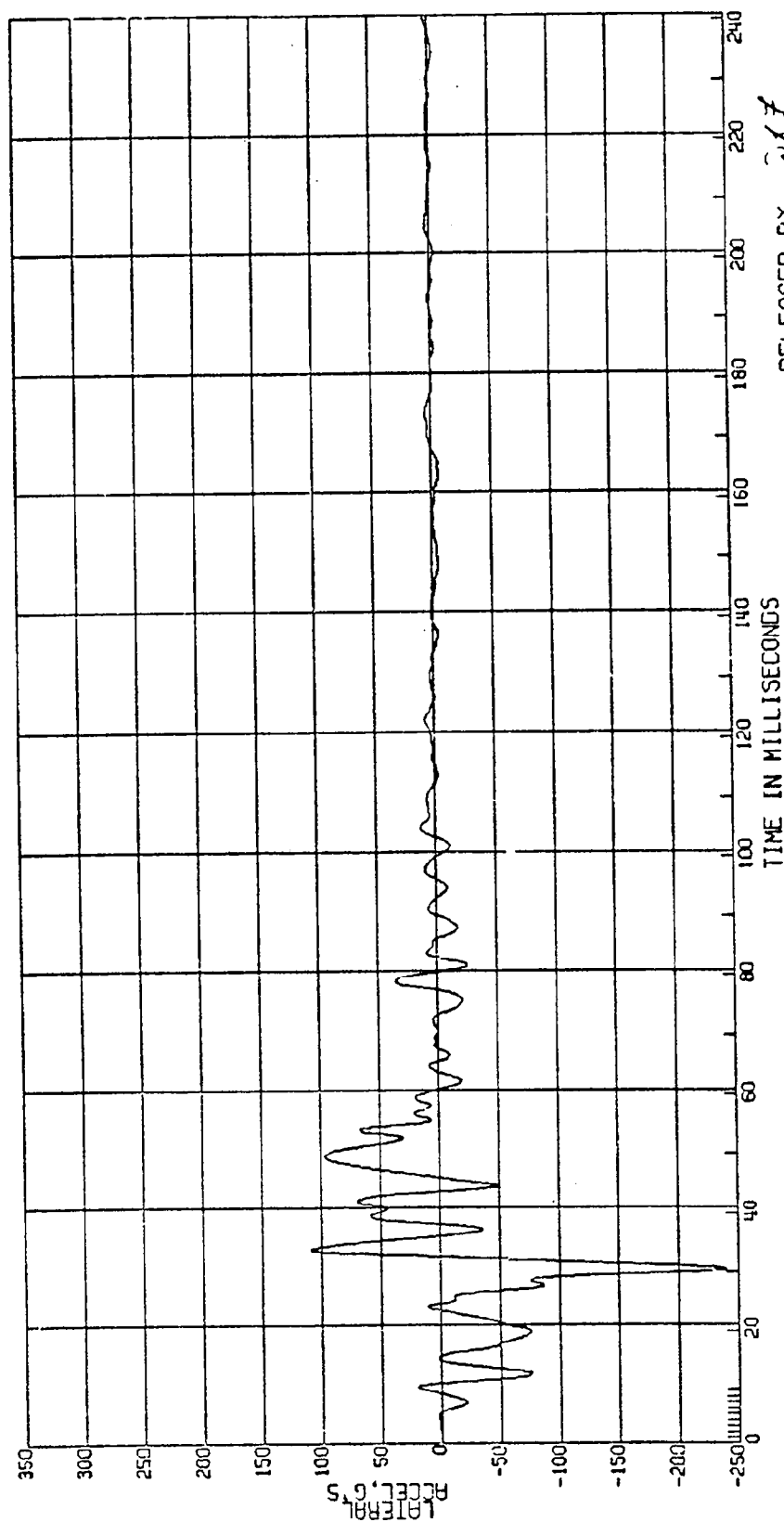
RELEASED BY: *DLF*
 38 PROCESSED 30 MAR 84 11:14

C5915A RT SIDE IMP-60DEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 10
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATE SAE CLASS 60
 RT FRT DOOR (D) ACCEL.
 TEST DATE: 03-29-84



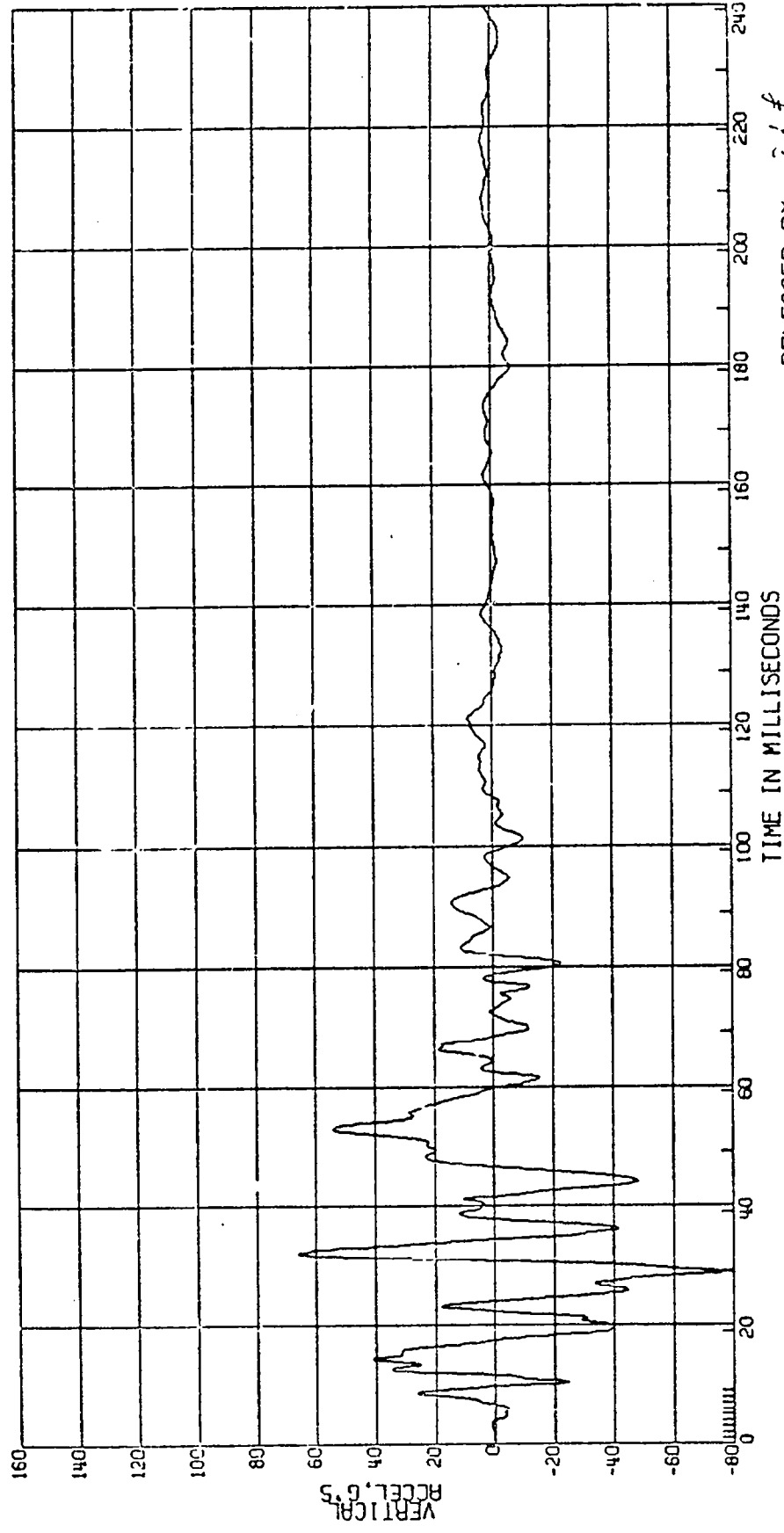
RELEASED BY: *218*
 41 PROCESSED 30 MAR 84 11:14

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE "
 3865-337 RT FRT DOOR (D) ACCEL. TEST DATE: 03-29-84
 FISHER BODY CC457 3JC77 STRUCK
 A-J DATA SAE CLASS 60



RELEASED BY: *217*
 44 PROCESSED 30 MAR 84 11:15

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 12
3865-337
FISHER BODY CC457 3JC77 STRUCK
A-D DATA SAE CLASS 60
TEST DATE: 03-29-84



RELEASED BY: *WLF*
47 PROCESSED 30 MAR 84 11:15

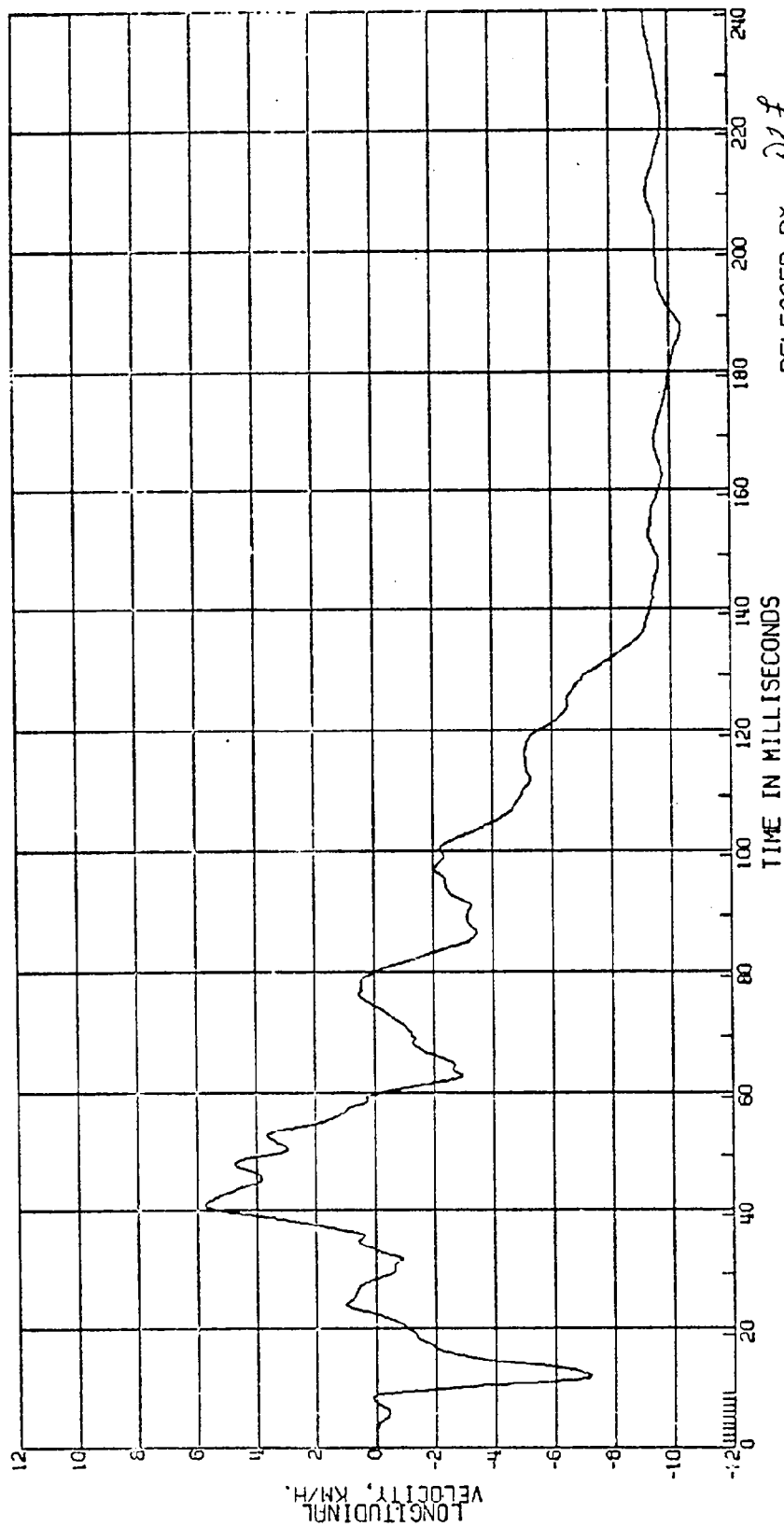
30 MAY 68 13

ALBUQUERQUE COUNTY 50077 STRUCK
R-0 DATE SAE CLASS 100

COMPUTED RT PAY GOOD (A) VELOCITY

TEST DATE: 06-29-68

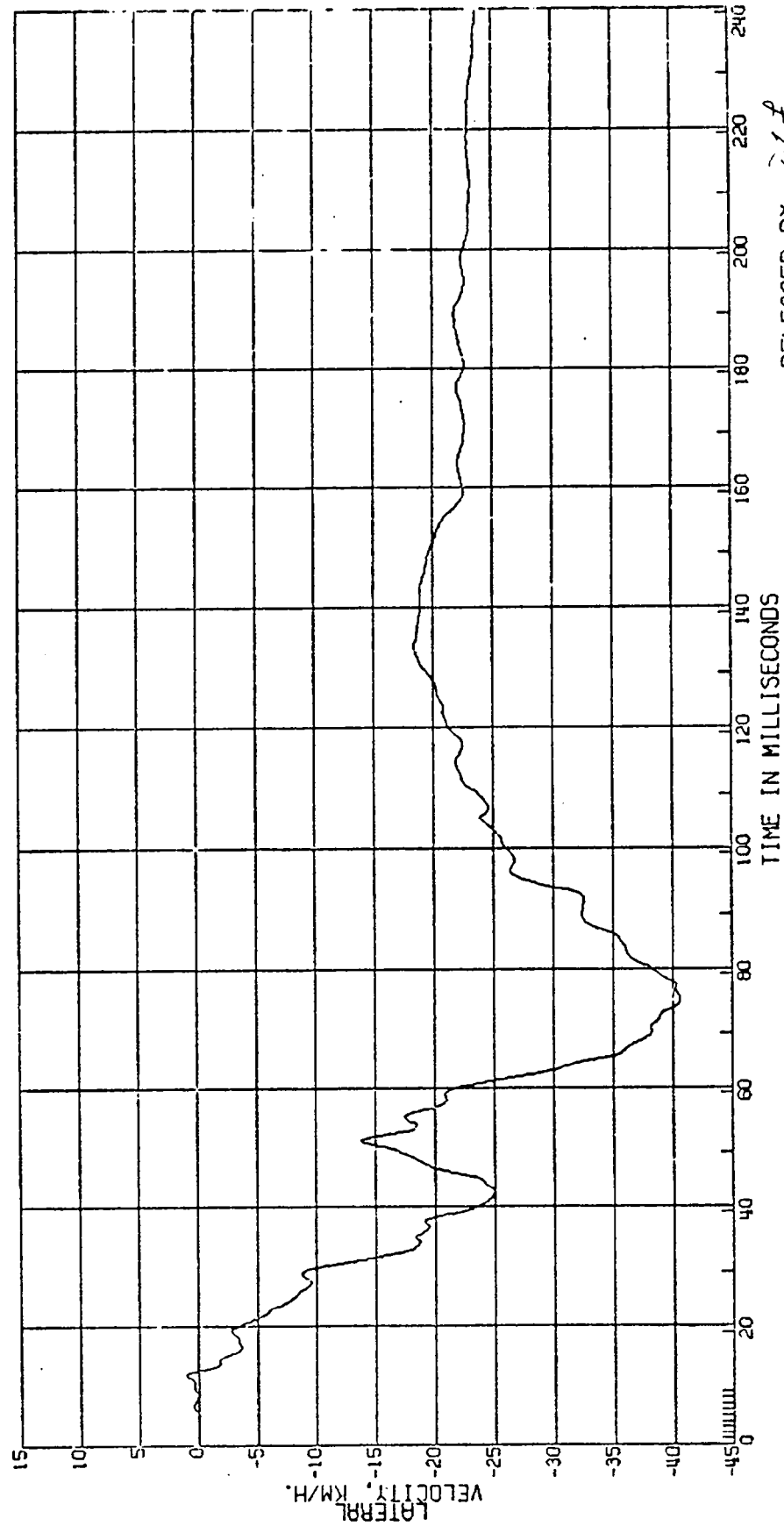
(1ST INTEGRAL ACCELERATION)



DLF

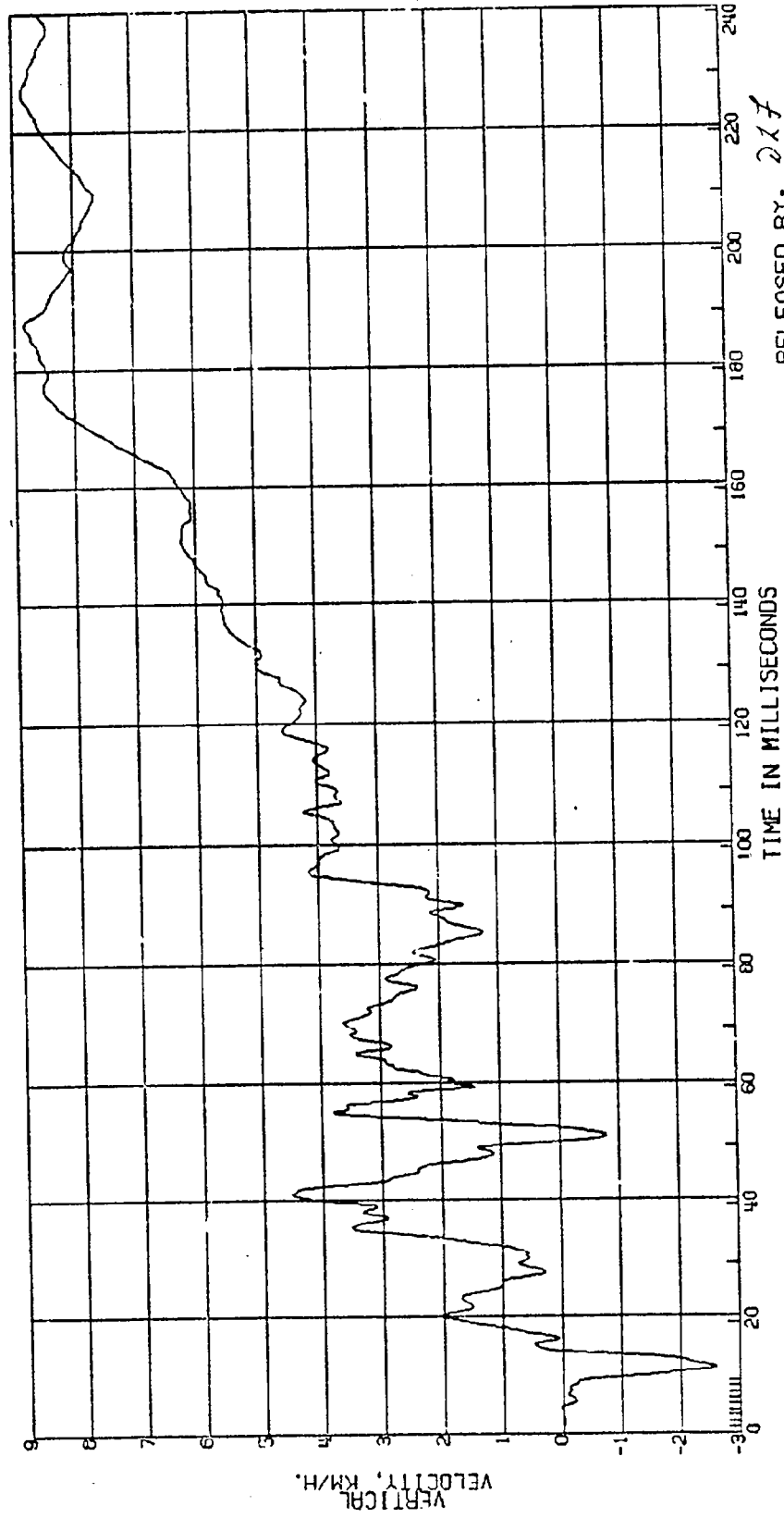
RELEASED BY: 15
PROCESSED 30 MAR 84 11:11

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 14
3865-337
FISHER BODY CC457 3JC77 STRUCK
A-D DATA SAE CLASS 180
COMPUTED RT FRT DOOR (A) VELOCITY
(1ST INTEGRAL ACCELERATION)
TEST DATE:03-29-84



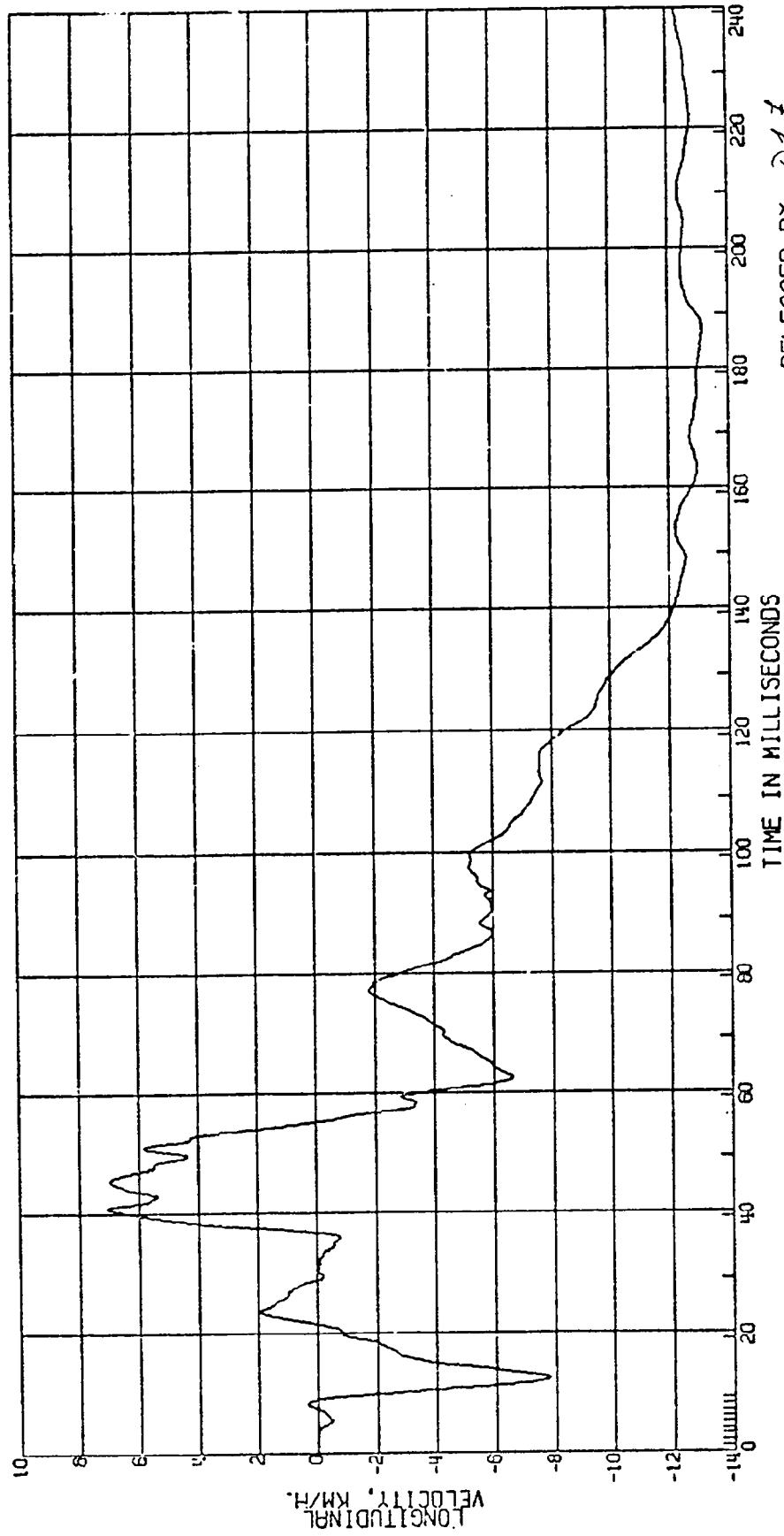
RELEASED BY: *DLF*
18 PROCESSED 30 MAR 84 11:12

C5915A AT SIDE IMP-60DEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 15
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED AT FRT DOOR (A) VELOCITY
 TEST DATE: 03-29-84
 (1ST INTEGRAL ACCELERATION)



RELEASED BY: *DLF*
 21 PROCESSED 30 MAR 84 11:12

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE /6
3865-337
FISHER BODY CC457 3JC77 STRUCK
A-D DATA SAE CLASS 180
COMPUTED RT FRT DOOR (B) VELOCITY
TEST DATE: 03-29-84
1ST INTEGRAL ACCELERATION

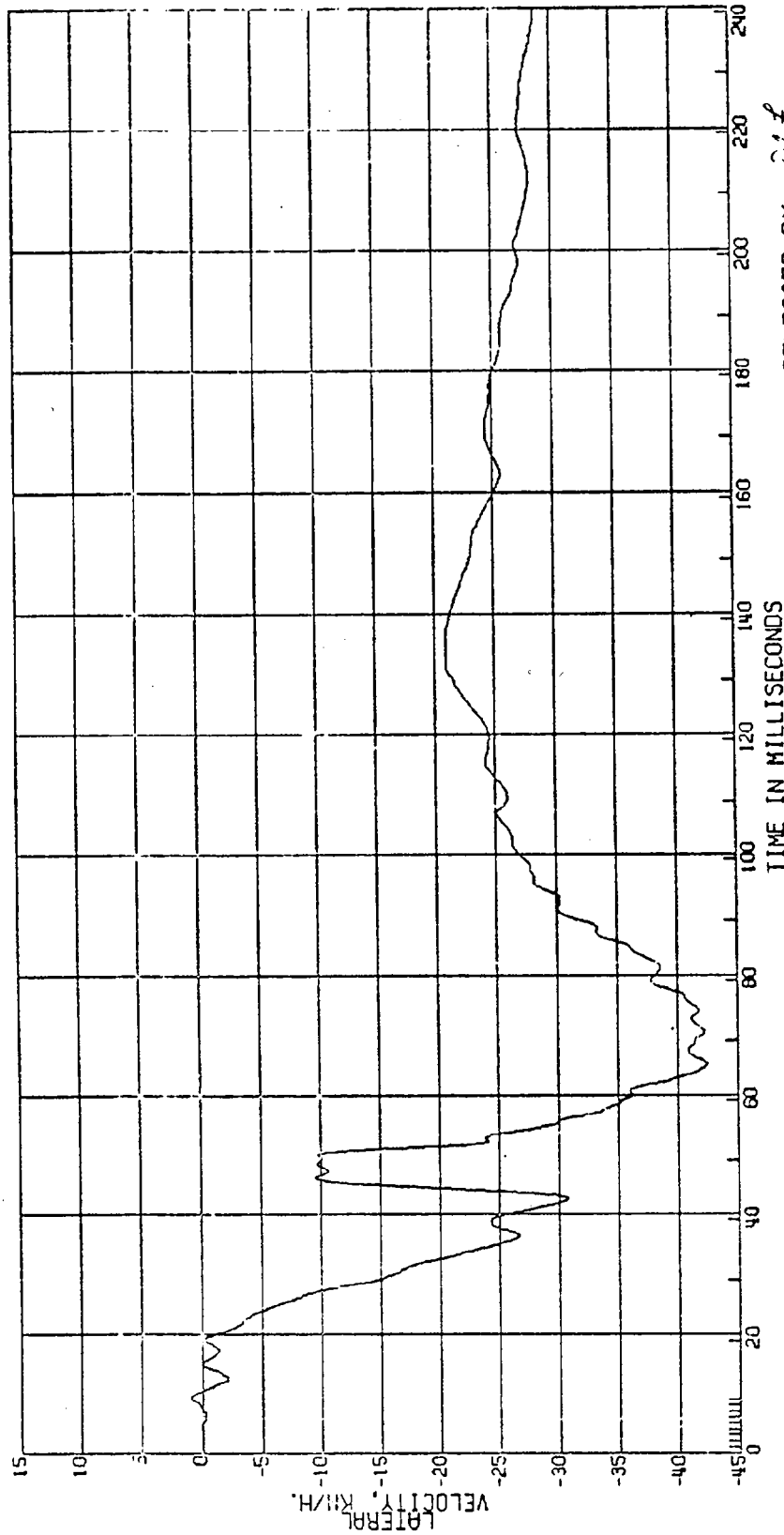


RELEASED BY: *217*
24 PROCESSED 30 MAR 84 11:13

COMMAN/5 FIGURE 17

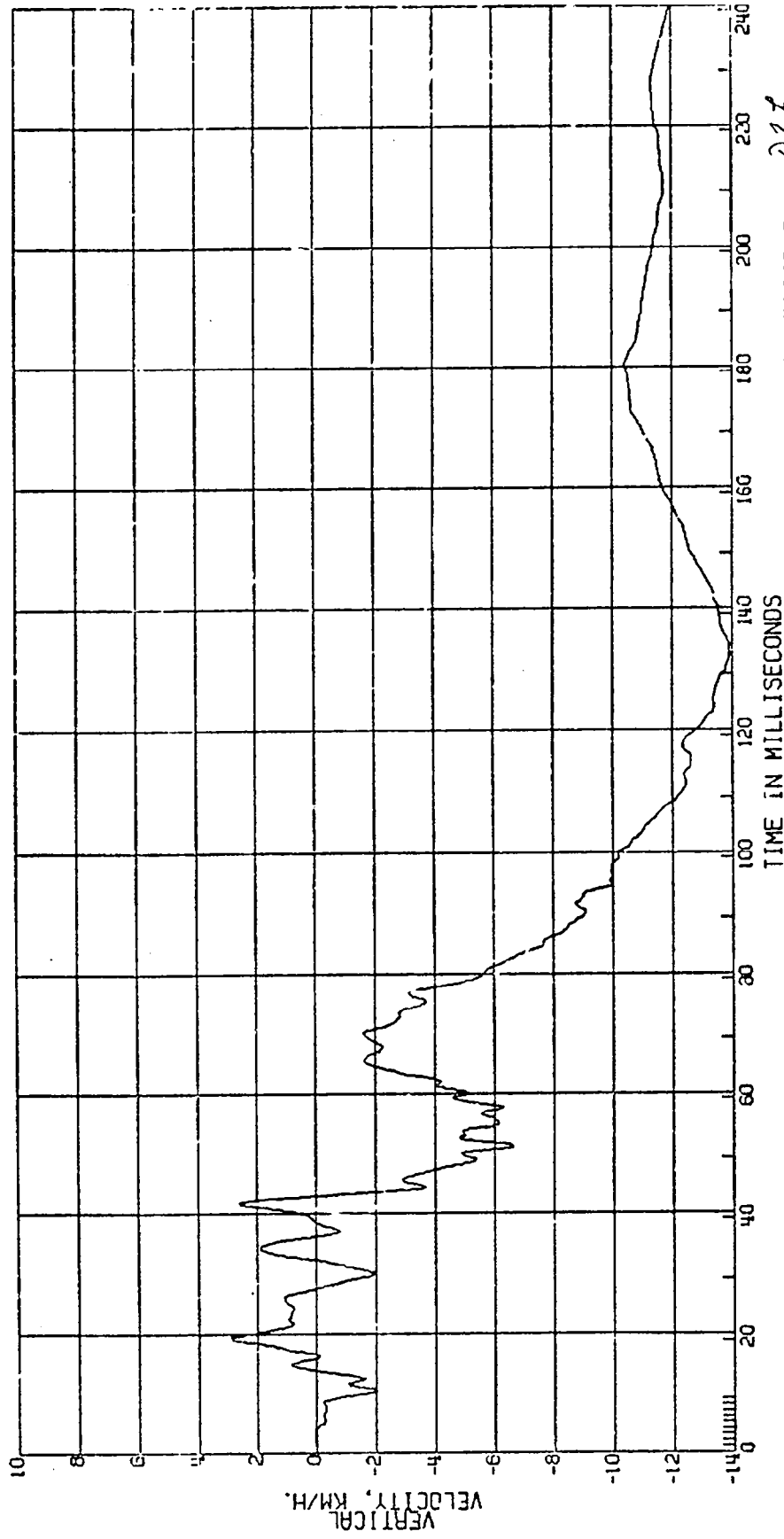
COMPUTED BY FBI 500A (3) VELOCITY
TEST DATES 03-25-84
R-D DATE ARE CLASS 100

1.57 INTEGRAL ACCELERATION



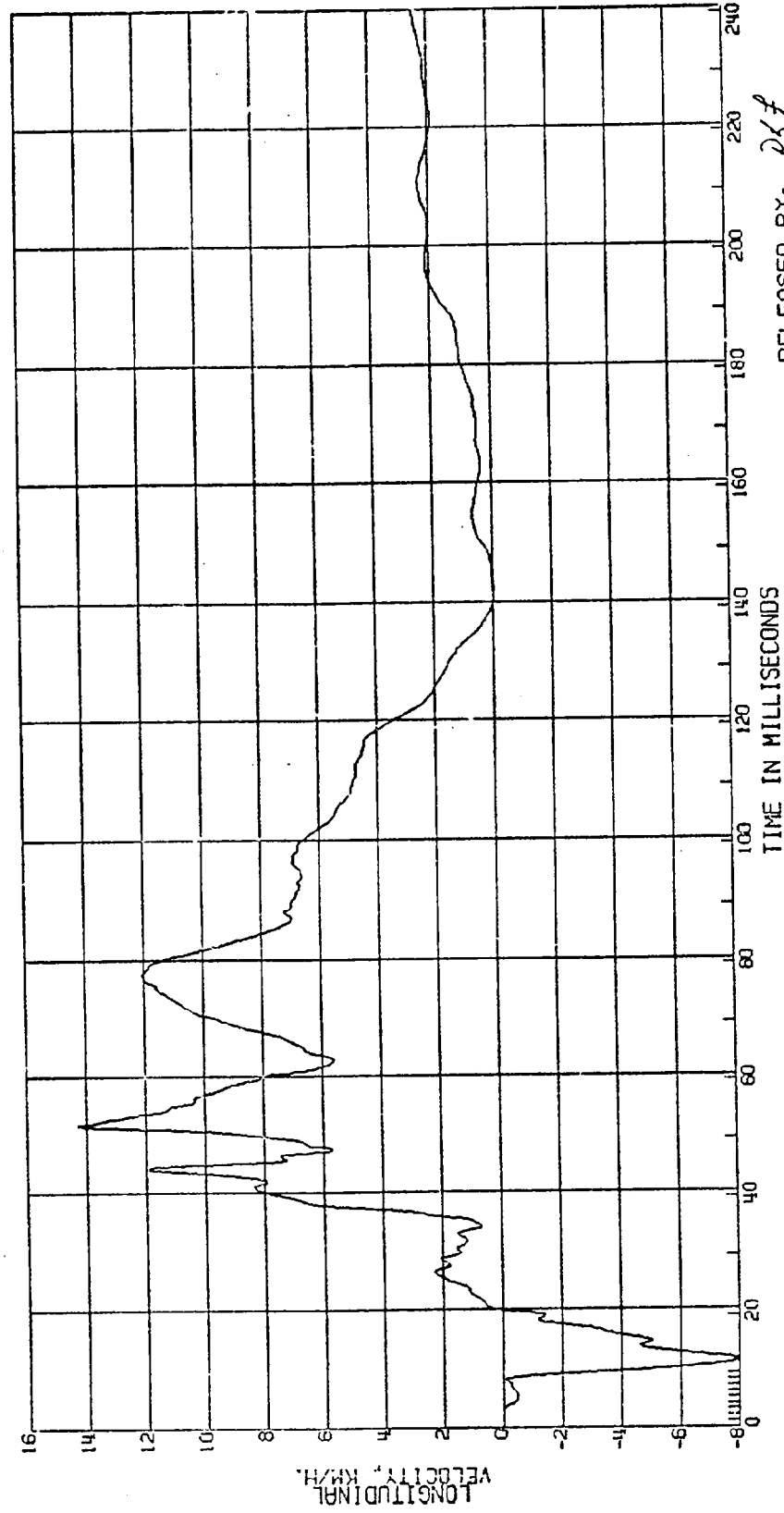
RELEASED BY: *DLF*
27 PROCESSED 30 MAR 84 11:13

CS915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 18
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED RT FRT DOOR (B) VELOCITY
 (1ST INTEGRAL ACCELERATION)
 TEST DATE: 03-29-84



RELEASE BY: *222*
 30 PROCESSED 30 MAR 84 11:13

CS915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 19
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED RT FRT DOOR (C) VELOCITY
 (1ST INTEGRAL ACCELERATION)



RELEASED BY: *DLF*
 33 PROCESSED 30 MAR 84 11:13

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 20

3865-337

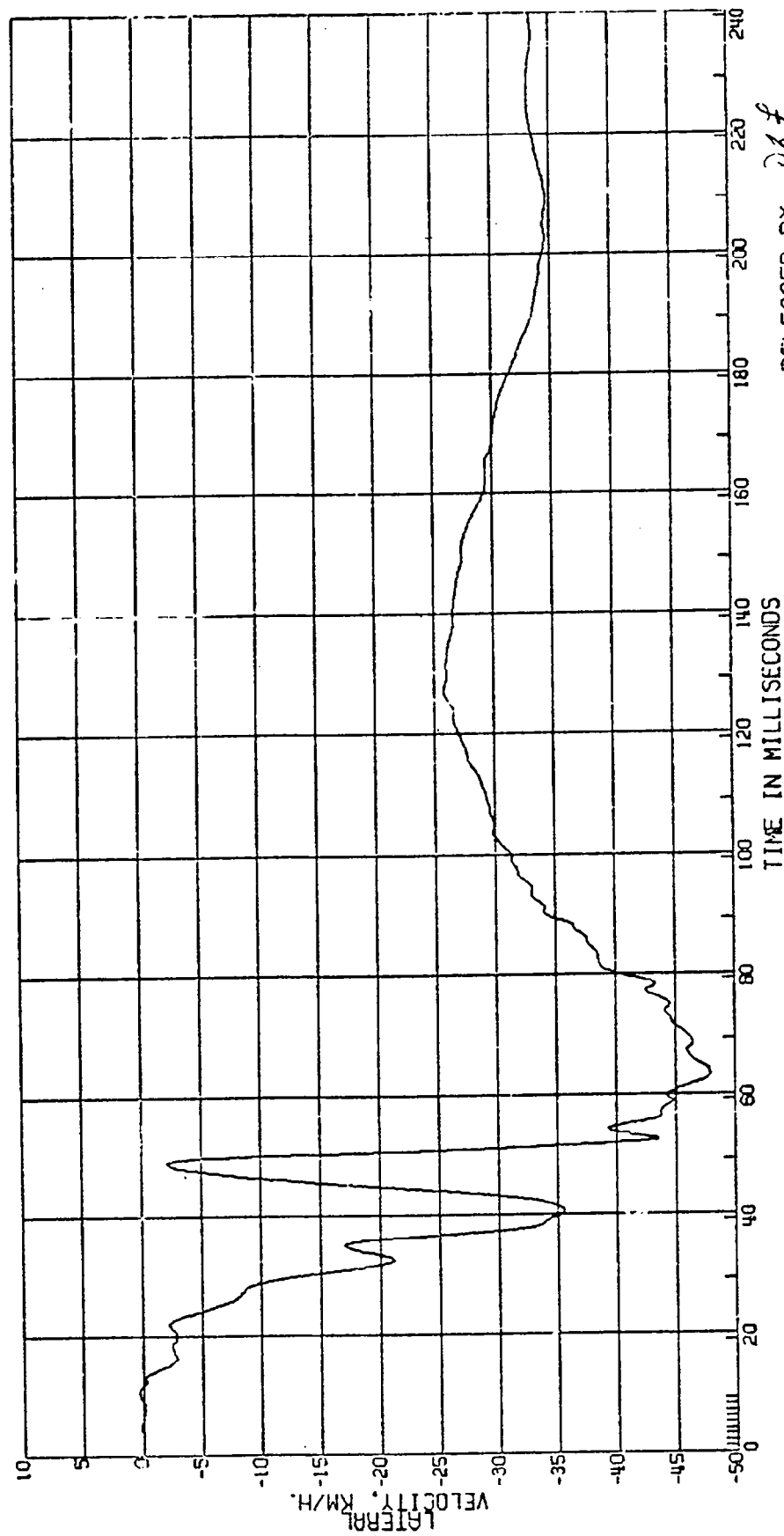
FISHER BODY CC457 3JC77 STRUCK

A-D DATA SAE CLASS 180

COMPUTED RT FRT DOOR (C) VELOCITY

TEST DATE:03-29-84

(1ST INTEGRAL ACCELERATION)



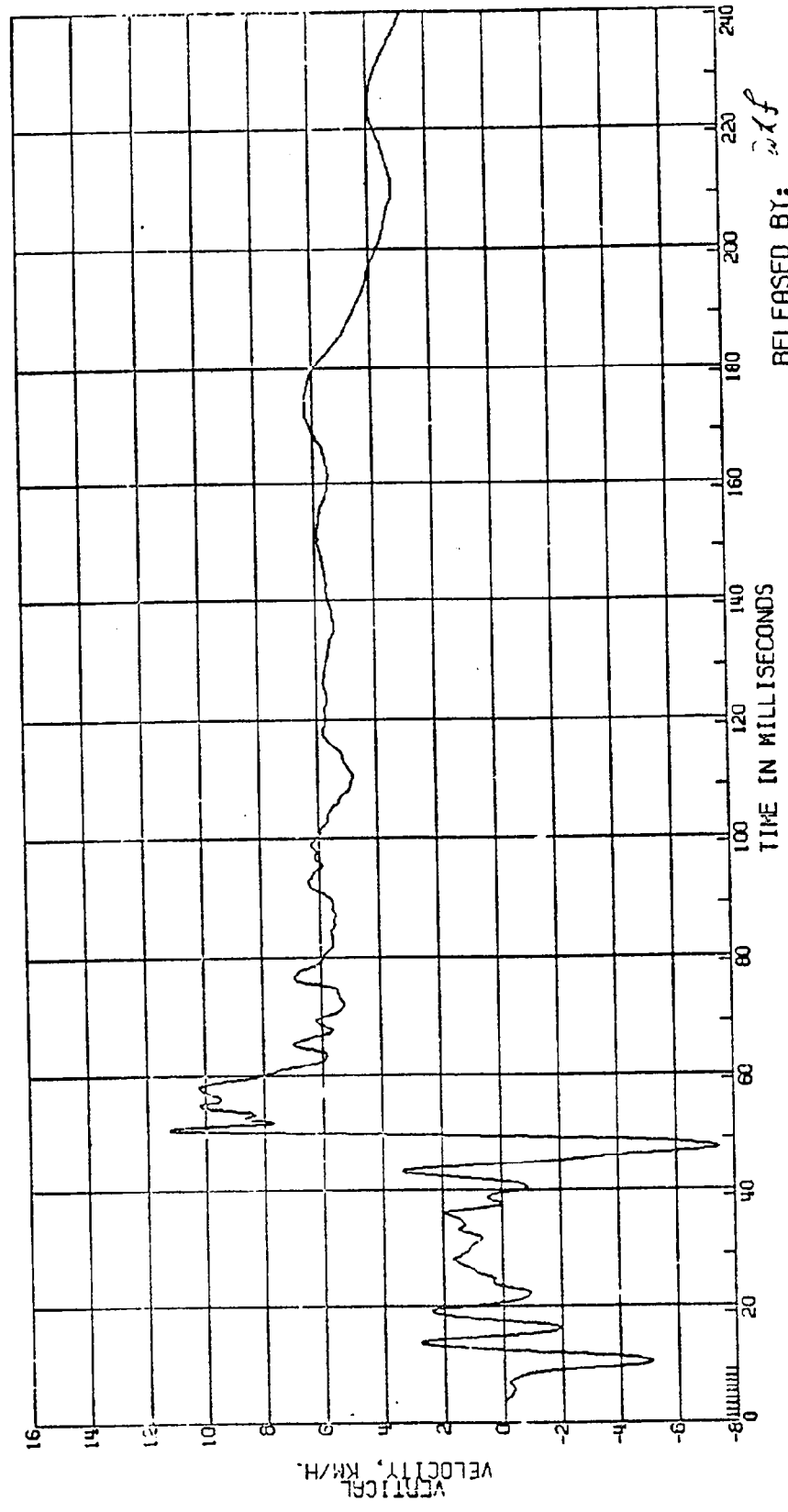
RELEASED BY: *DAF*

36 PROCESSED 30 MAR 84 11:14

VELOCITY
COMPUTED RT FAT DOOR (C) VELOCITY
TEST DATE: 03-09-84

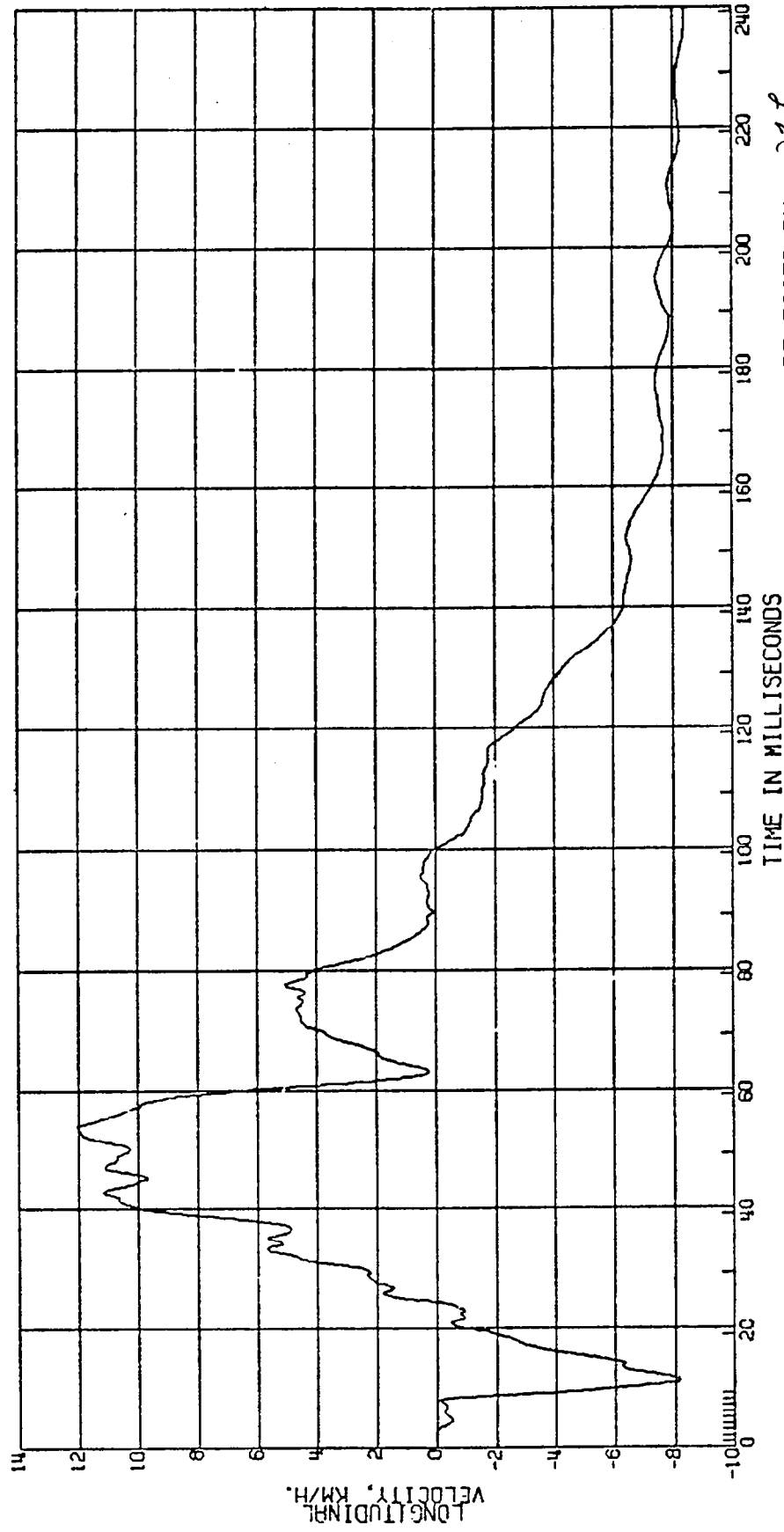
VELOCITY
COMPUTED RT FAT DOOR (C) VELOCITY
(1ST INTEGRAL ACCELERATION)

VELOCITY
COMPUTED RT FAT DOOR (C) VELOCITY
TEST DATE: 03-09-84



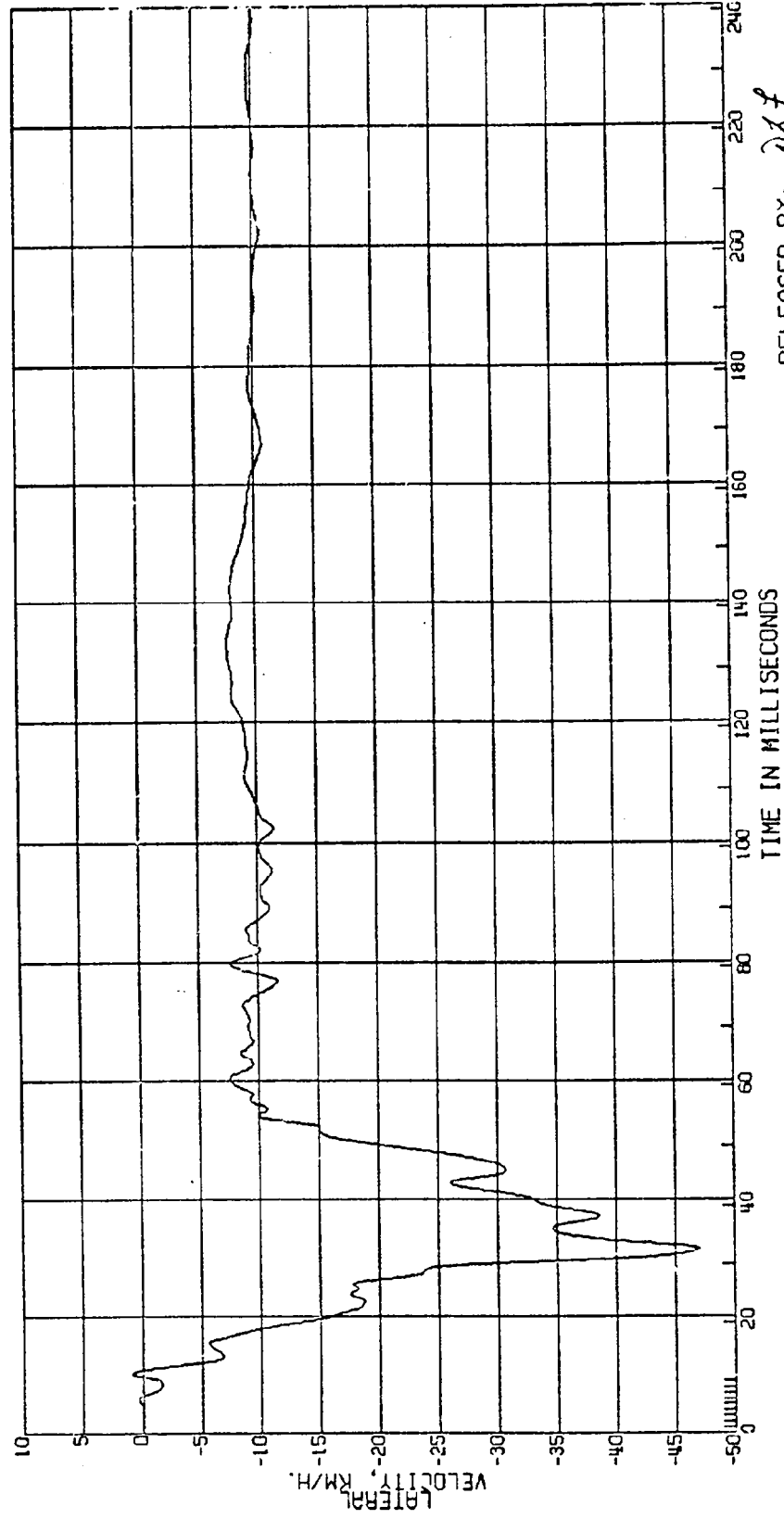
RELEASED BY: *WLF*
39 PROCESSED 30 MAR 84 11:14

C5915A AT SIDE IMP-GODEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 22
3865-337
FISHER BODY CC457 3JC77 STRUCK
A-D DATA SAE CLASS 180
COMPUTED RT FRT DOOR (D) VELOCITY
(1ST INTEGRAL ACCELERATION)
TEST DATE:03-29-84



RELEASED BY: *21f*
42 PROCESSED 30 MAR 84 11:14

C5915A RT SIDE IMP-600EG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 23
 3065-337
 FLOWER BODY C0457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED RT FRT DOOR (D) VELOCITY
 (1ST INTEGRAL ACCELERATION) TEST DATE: 03-29-84

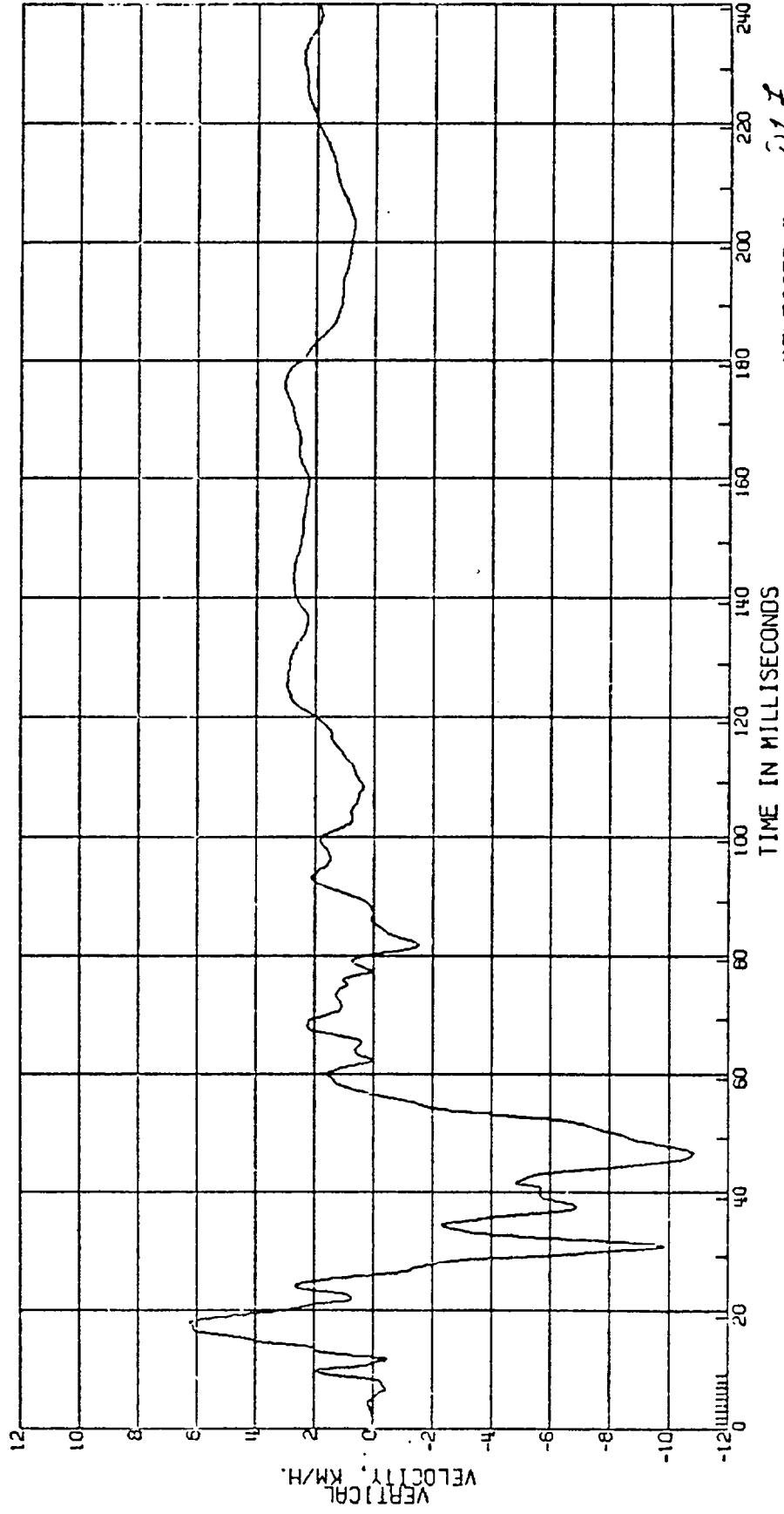


RELEASED BY: *DLF*
 45 PROCESSED 30 MAR 84 11.15

C5915A AT SIDE IMP-60DEG DIFF
3865-337
FISHER BODY CC457 3JC77 STRUCK
A-D DATA SAE CLASS 180

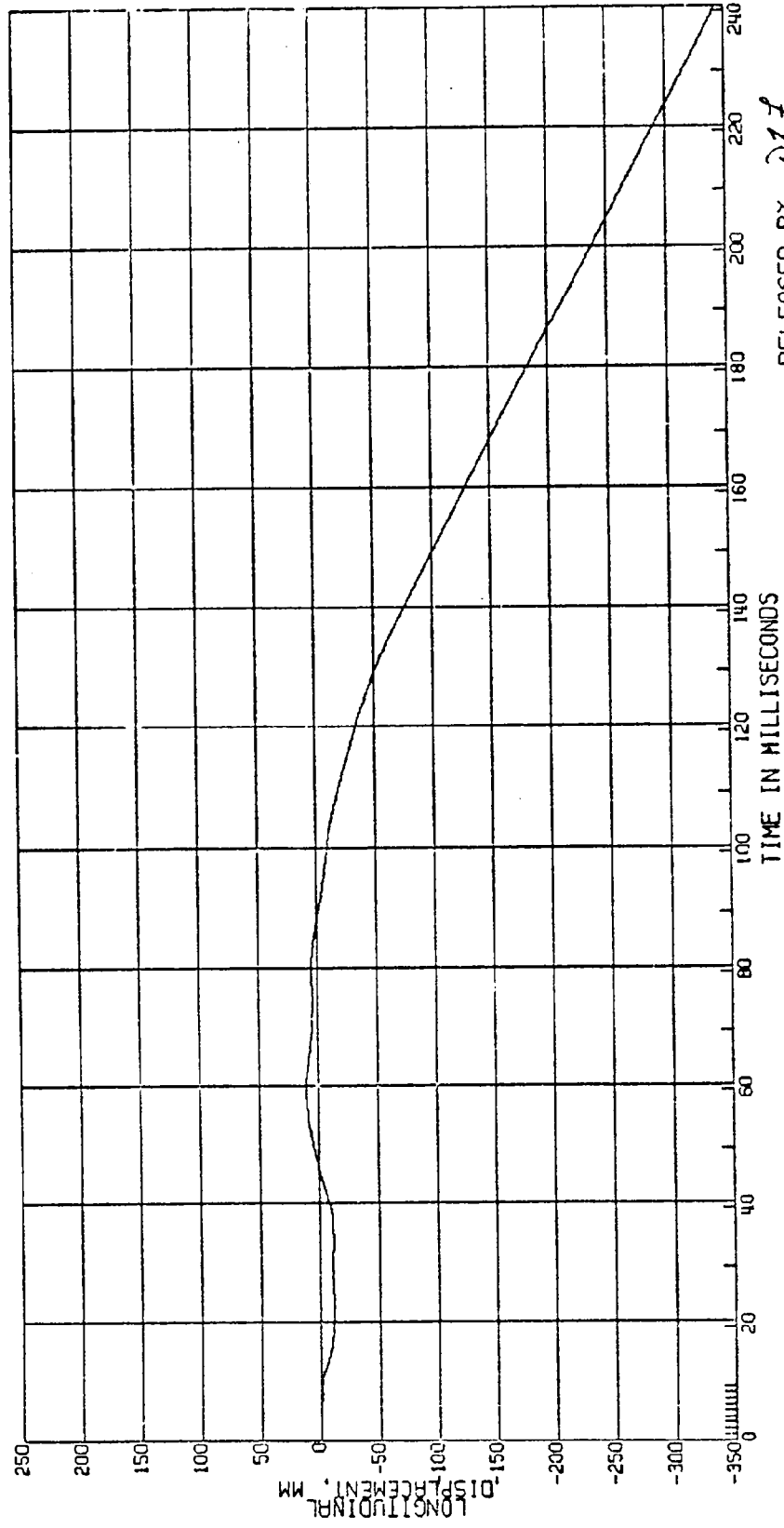
MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 24
COMPUTED AT FRT DOOR (D) VELOCITY
(1ST INTEGRAL ACCELERATION)

TEST DATE:03-29-84



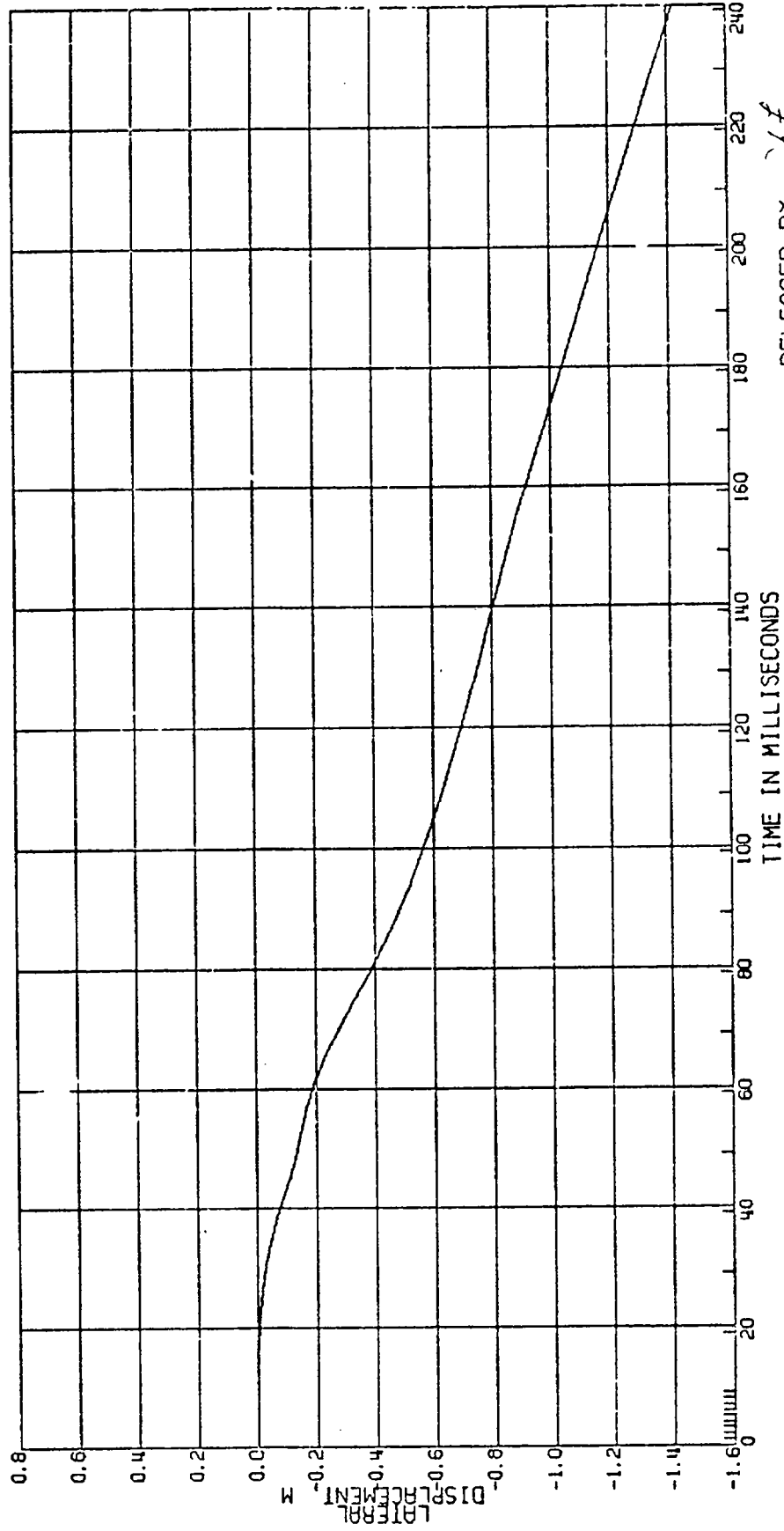
RELEASED BY: *DLF*
48 PROCESSED 30 MAR 84 11:15

C5915A RT SIDE IMP-GODEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 25
3805-337
FISHER BODY 00457 3JC77 STRUCK
A-D DATA SAE CLASS 180
COMPUTED AT FRT DOOR (A) DISPLACEMENT
(2ND INTEGRAL ACCELERATION)
TEST DATE: 03-25-84



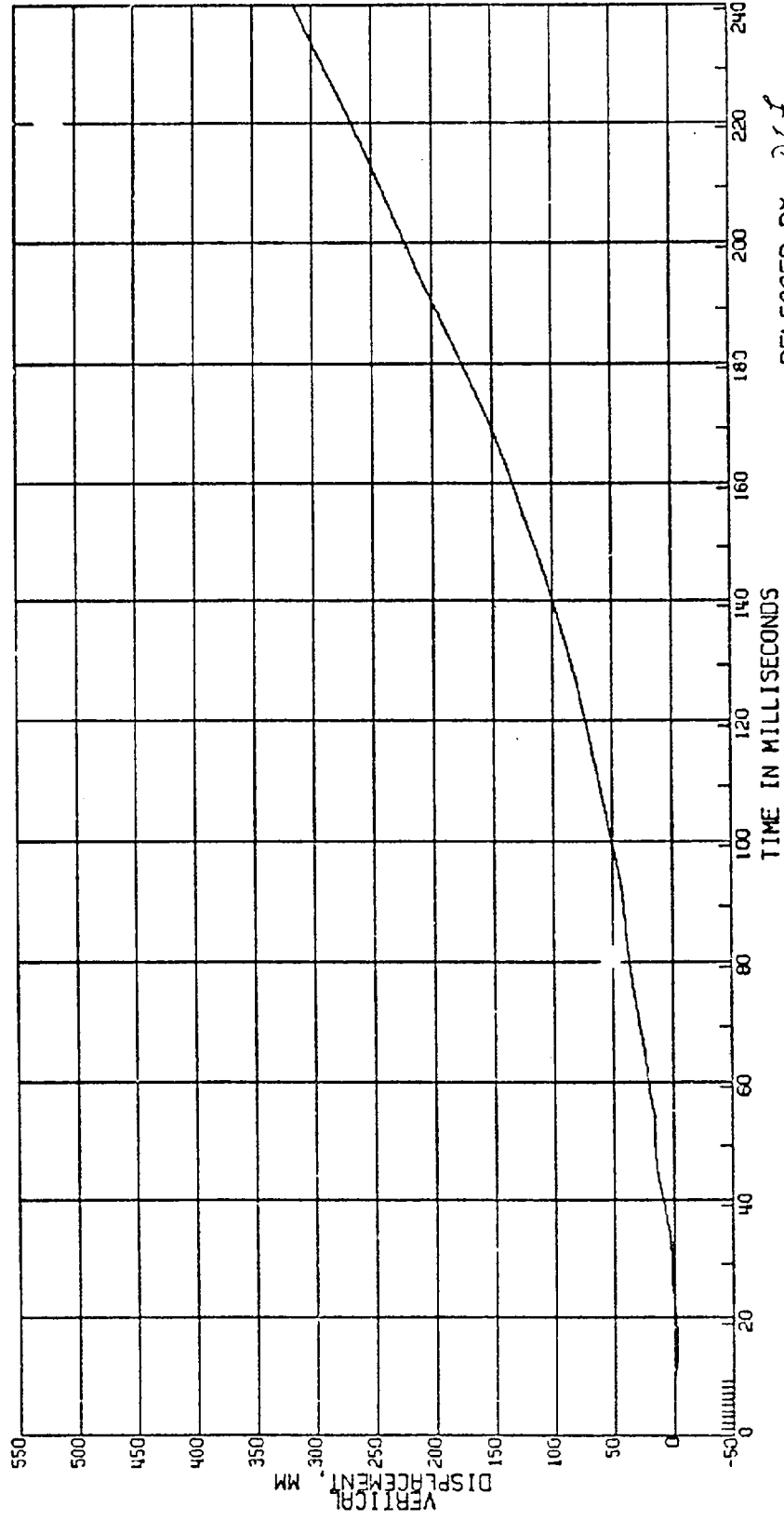
RELEASED BY: *DLF*
16 PROCESSED 30 MAR 84 11:12

C5915A AT SIDE IMP-GODEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 26
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED AT FRT DOOR (A) DISPLACEMENT
 TEST DATE:03-29-84
 (2ND INTEGRAL ACCELERATION)



RELEASED BY: *2xf*
 19 PROCESSED 30 MAR 84 11:12

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 27
 3805-337
 FISHER BODY CO457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED AT FRT DOOR (A) DISPLACEMENT
 (2ND INTEGRAL ACCELERATION) TEST DATE: 03-29-64

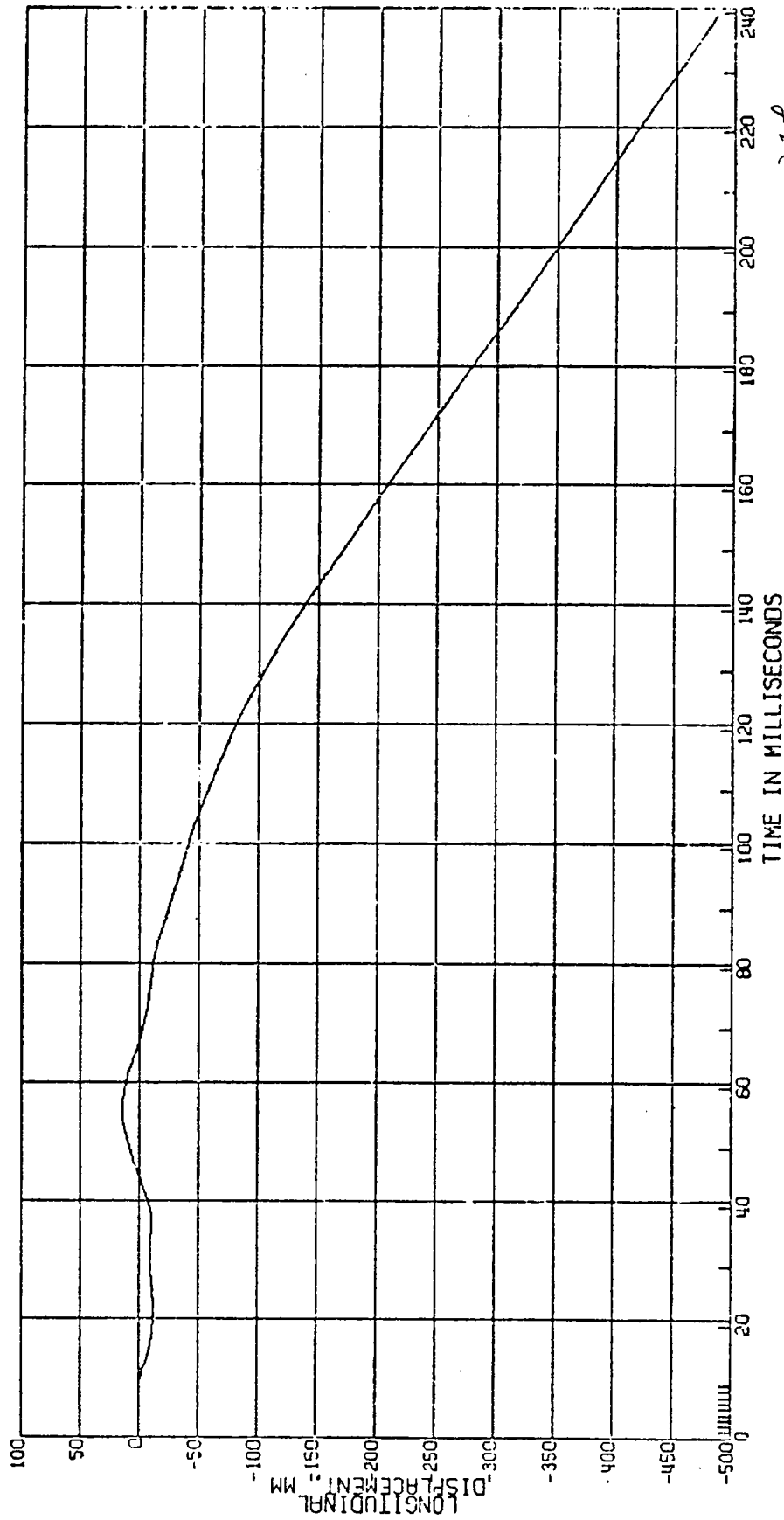


RELEASED BY: *DAF*
 22 PROCESSED 30 MAR 64 11:12

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 28
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 TEST DATE: 03-29-84

COMPUTED AT FRT DOOR (B) DISPLACEMENT

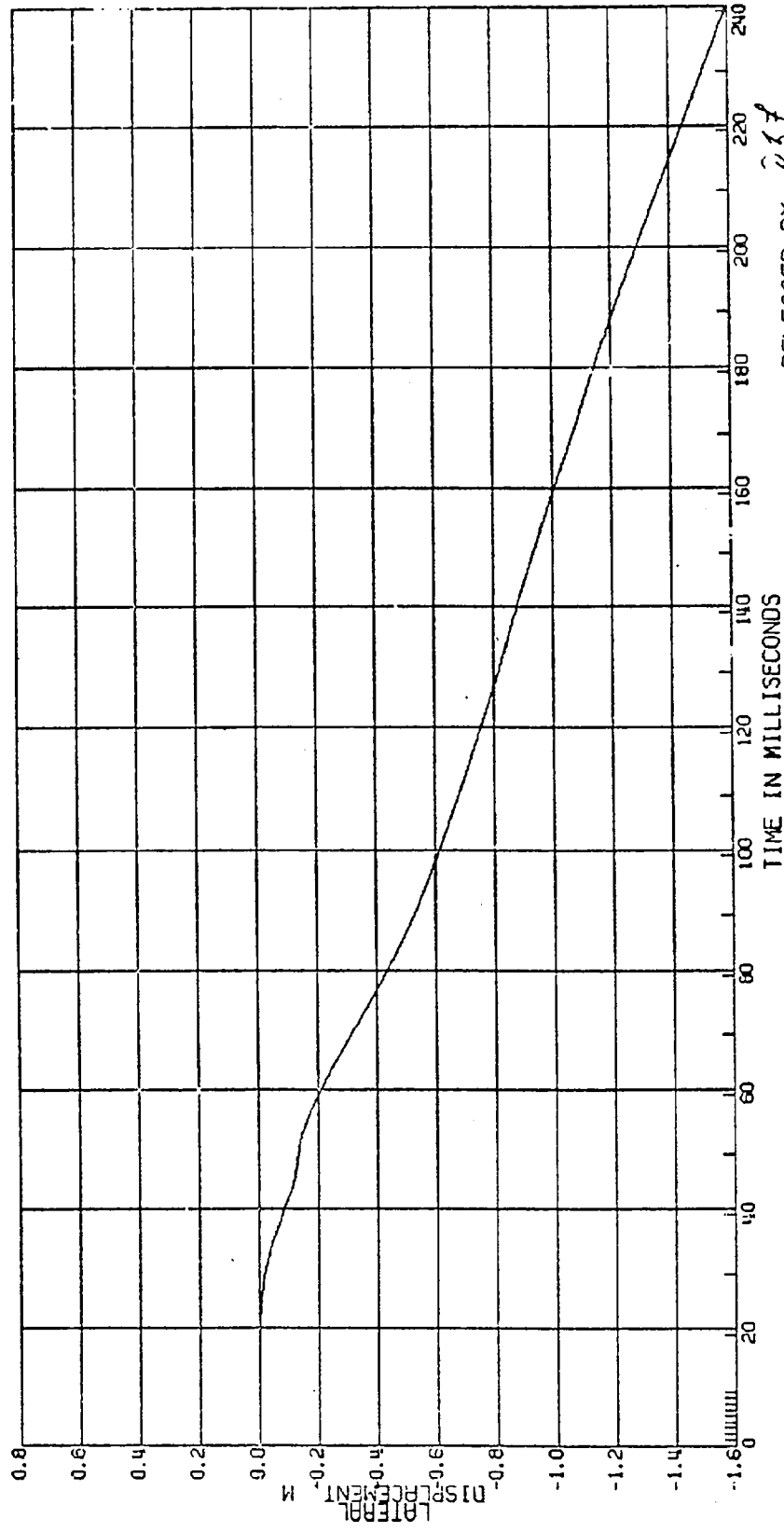
(2ND INTEGRAL ACCELERATION)



RELEASED BY: 017

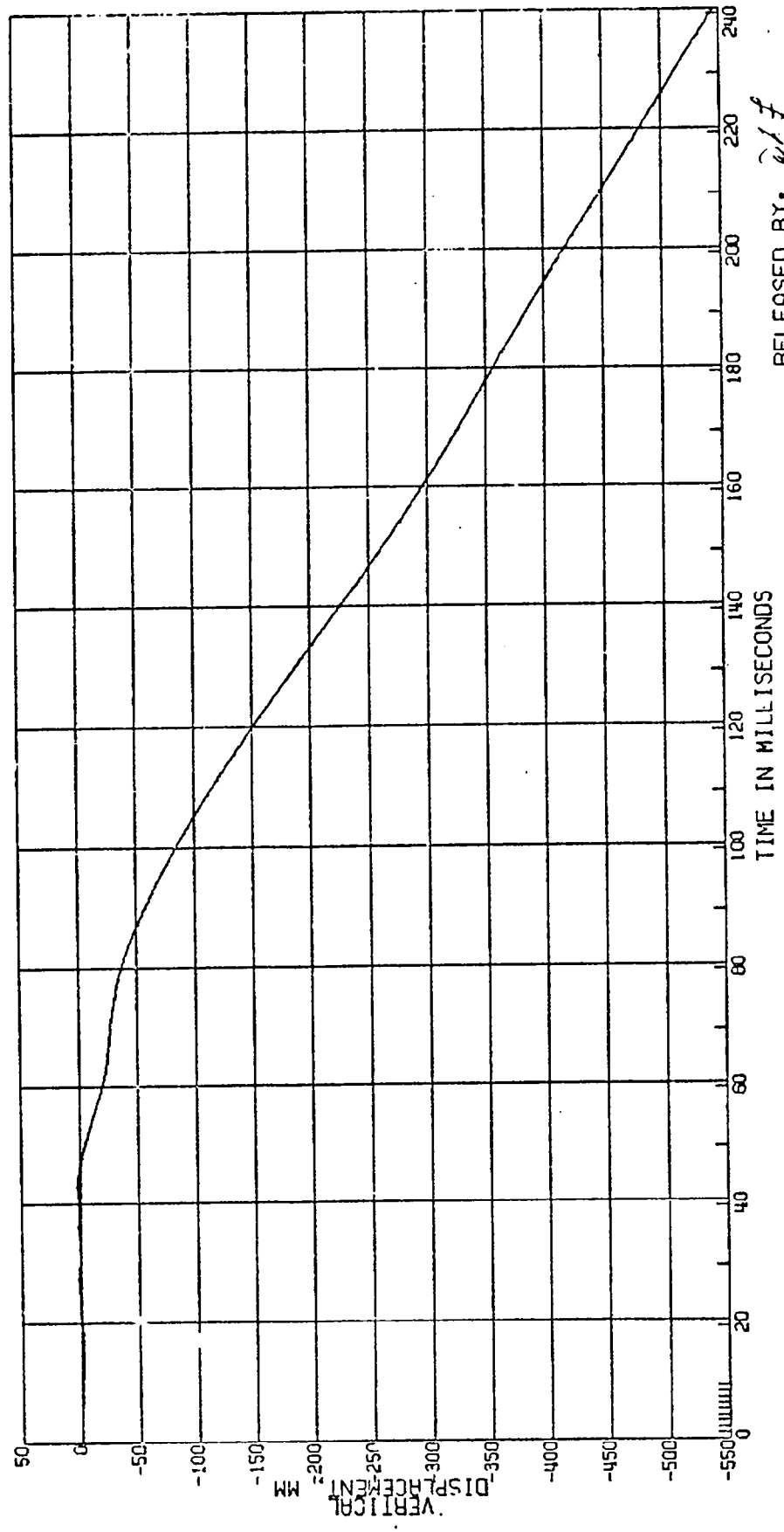
25 PROCESSED 30 MAR 84 11:13

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 29
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED AT FRT DOOR (B) DISPLACEMENT
 (2ND INTEGRAL ACCELERATION)
 TEST DATE: 03-29-84



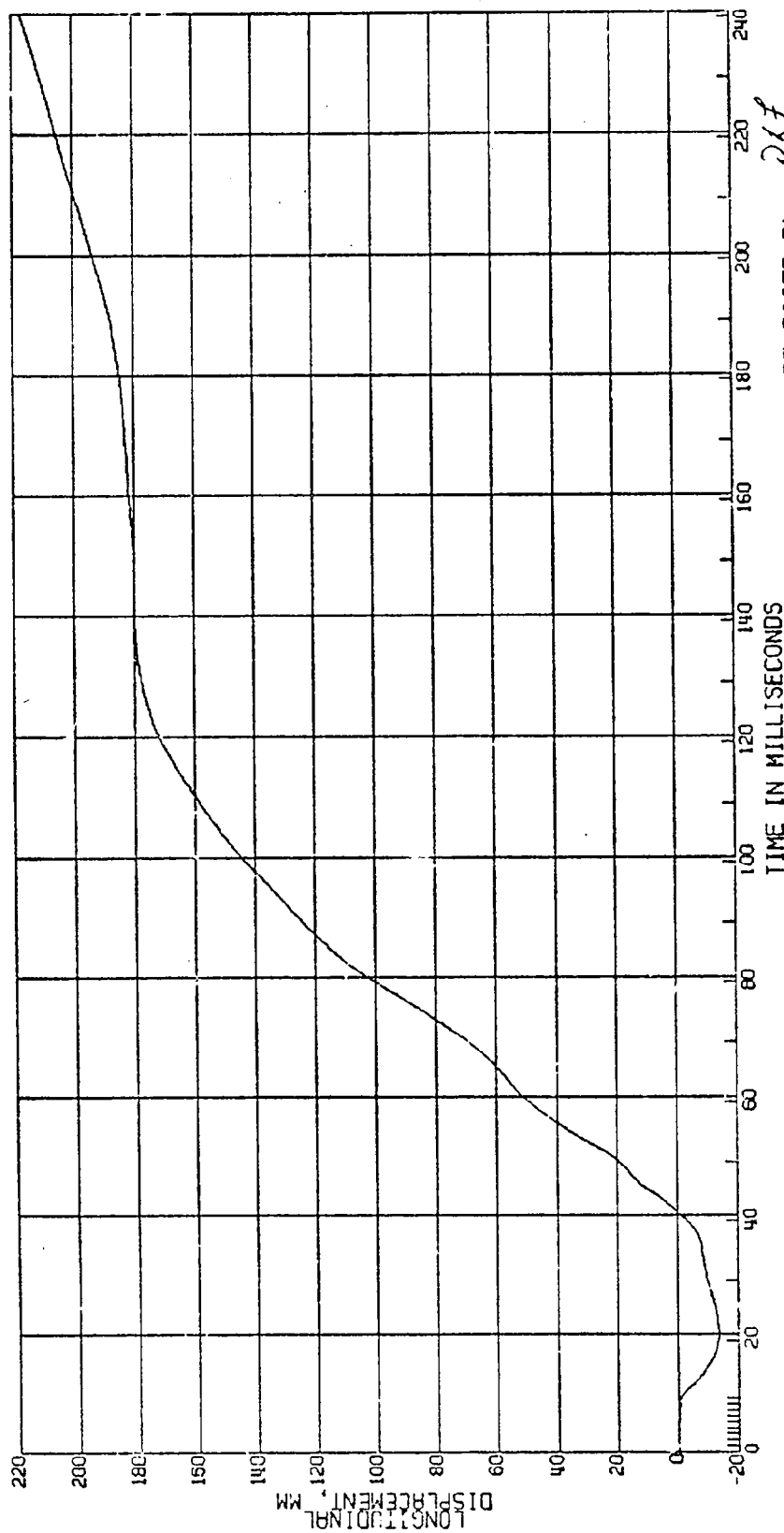
RELEASED BY: *PKJ*
 28 PROCESSED 30 MAR 84 11:13

CS915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 30
 3665-337
 FISHER BODY CO457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 TEST DATE: 03-29-64
 COMPUTED AT FRT DOOR (B) DISPLACEMENT
 (2ND INTEGRAL ACCELERATION)



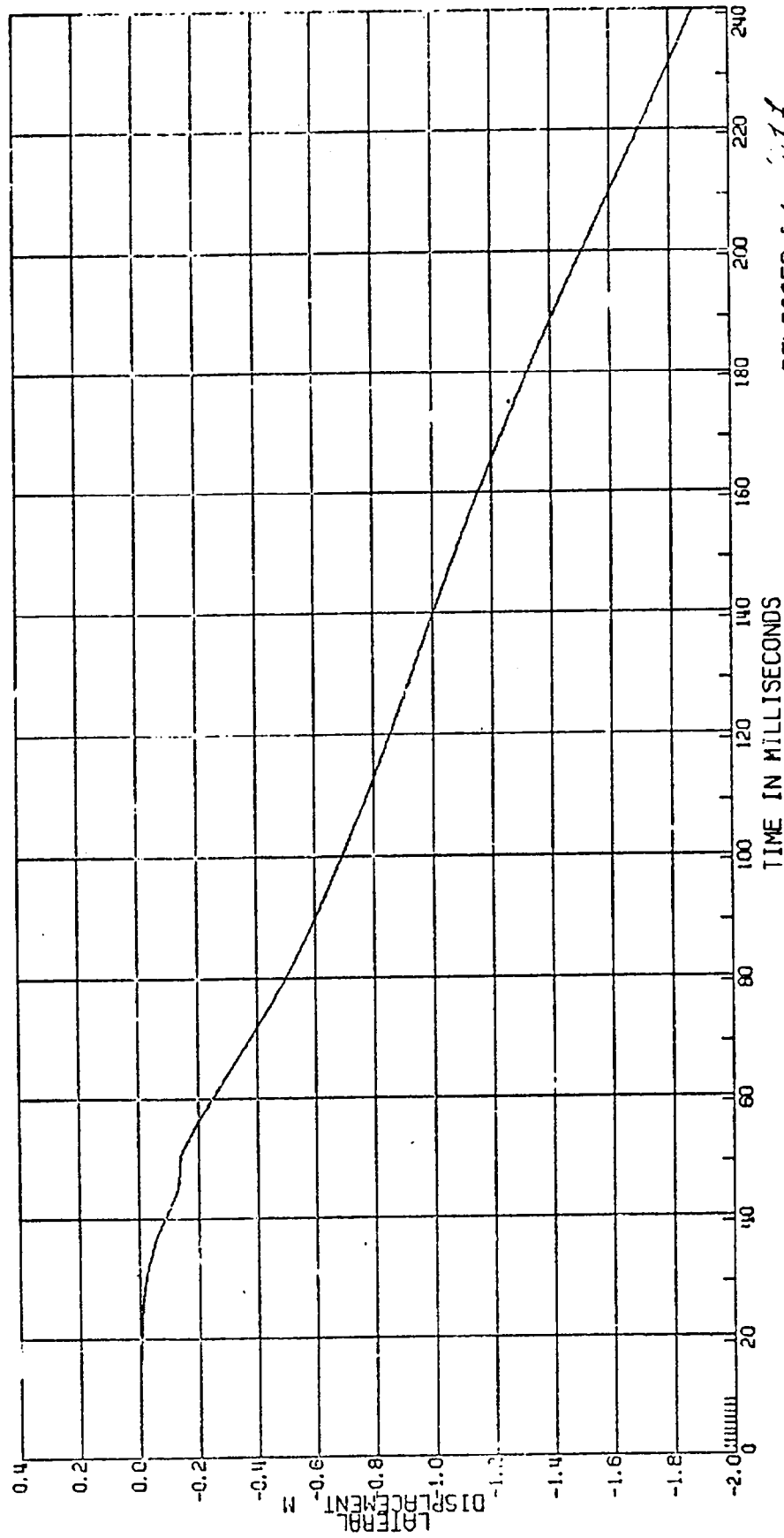
RELEASED BY: *WJF*
 31 PROCESSED 30 MAR 84 11:13

C5915A AT SIDE IMP-GODEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 3/
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED AT FAT DOOR (C) DISPLACEMENT
 (2ND INTEGRAL ACCELERATION)
 TEST DATE: 03-29-84



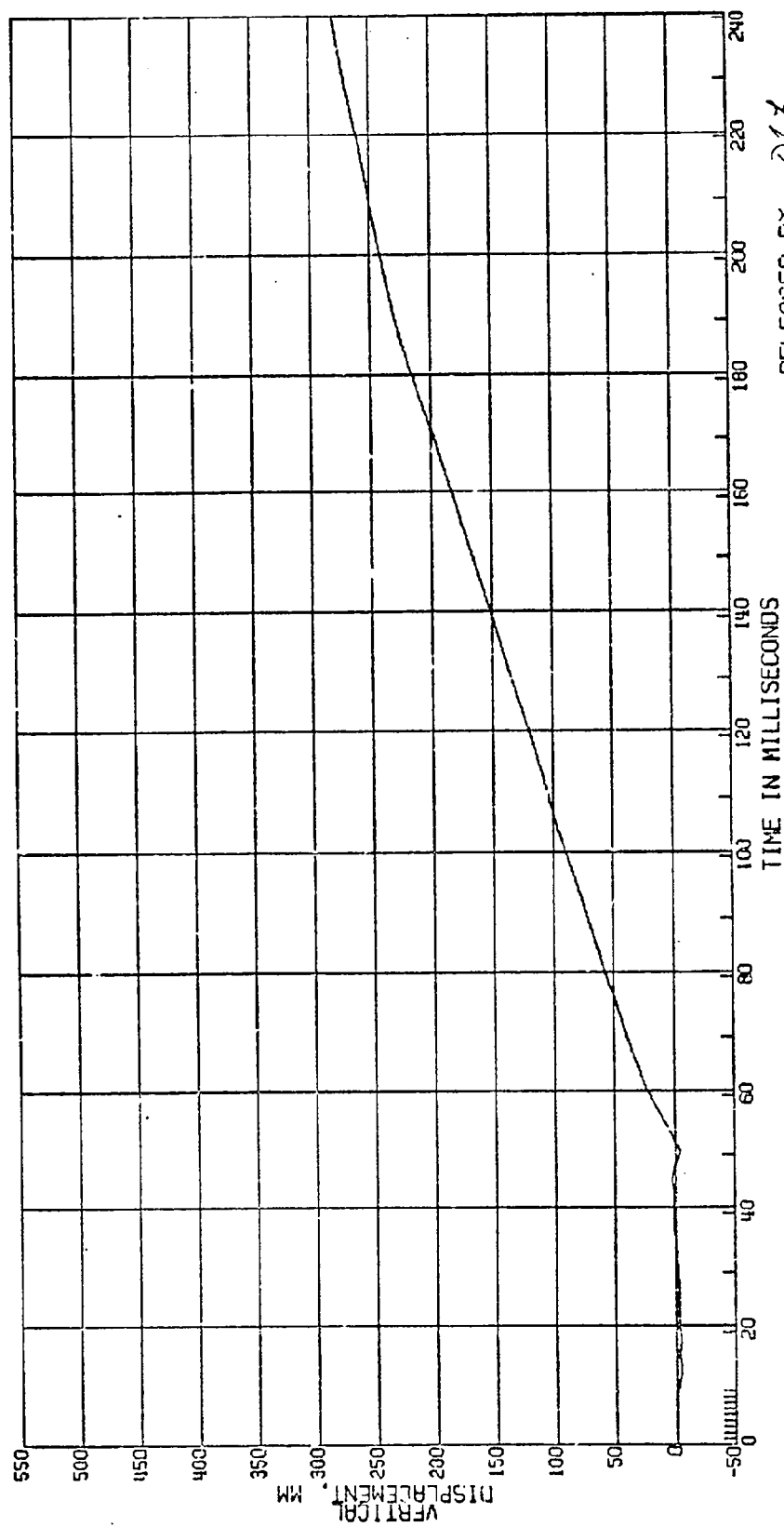
RELEASED BY: *2X7*
 3M PROCESSED 30 MAR 84 11:13

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 32
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 TEST DATE: 03-29-84
 COMPUTED RT FRT DOOR (C) DISPLACEMENT
 (2ND INTEGRAL ACCELERATION)



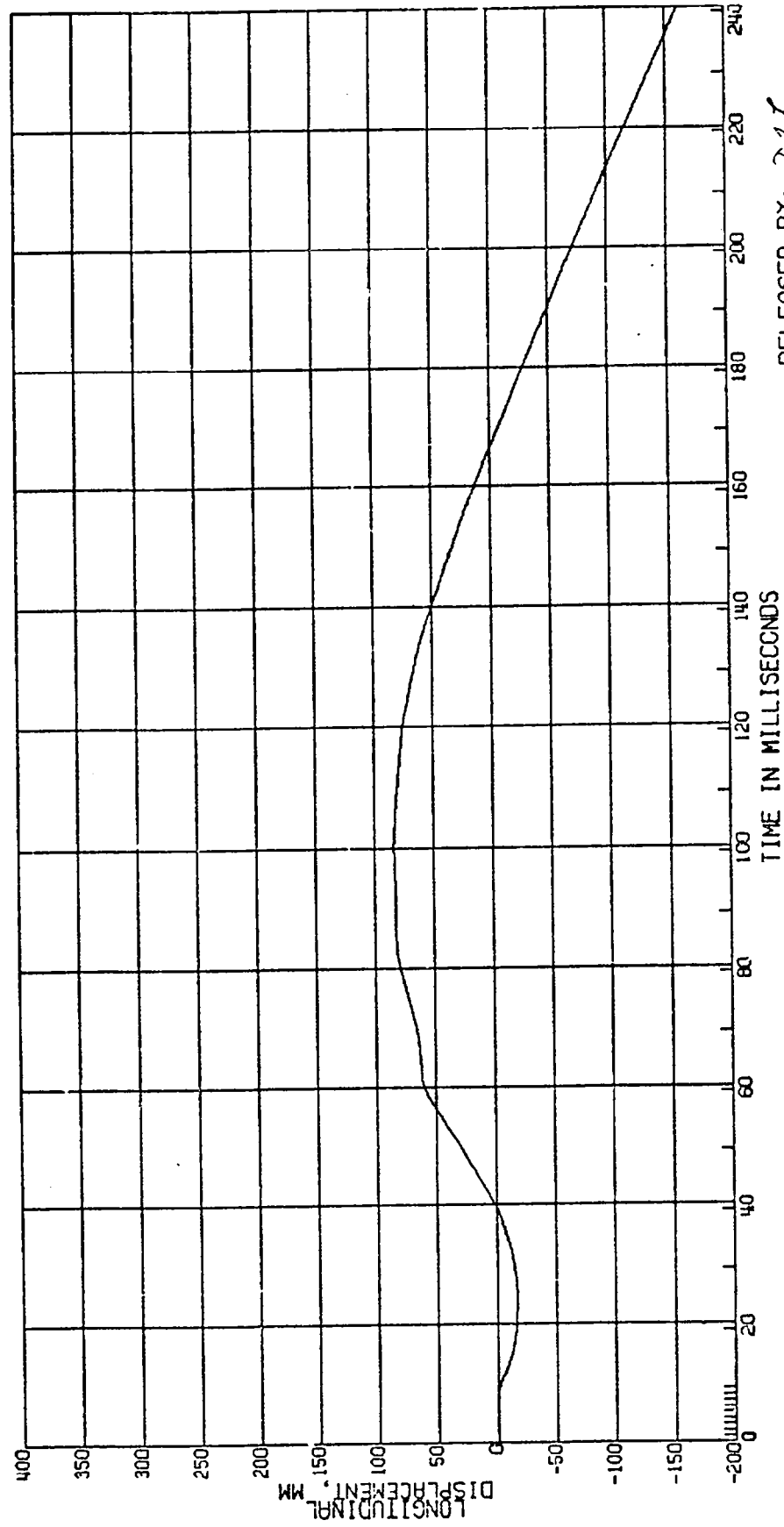
RELEASED BY: *228*
 37 PROCESSED 30 MAR 84 11:14

C5915A RT SIDE IMP 60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 33
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED RT FRT DOOR (C) DISPLACEMENT
 (2ND INTEGRAL ACCELERATION) TEST DATE: 03-29-84



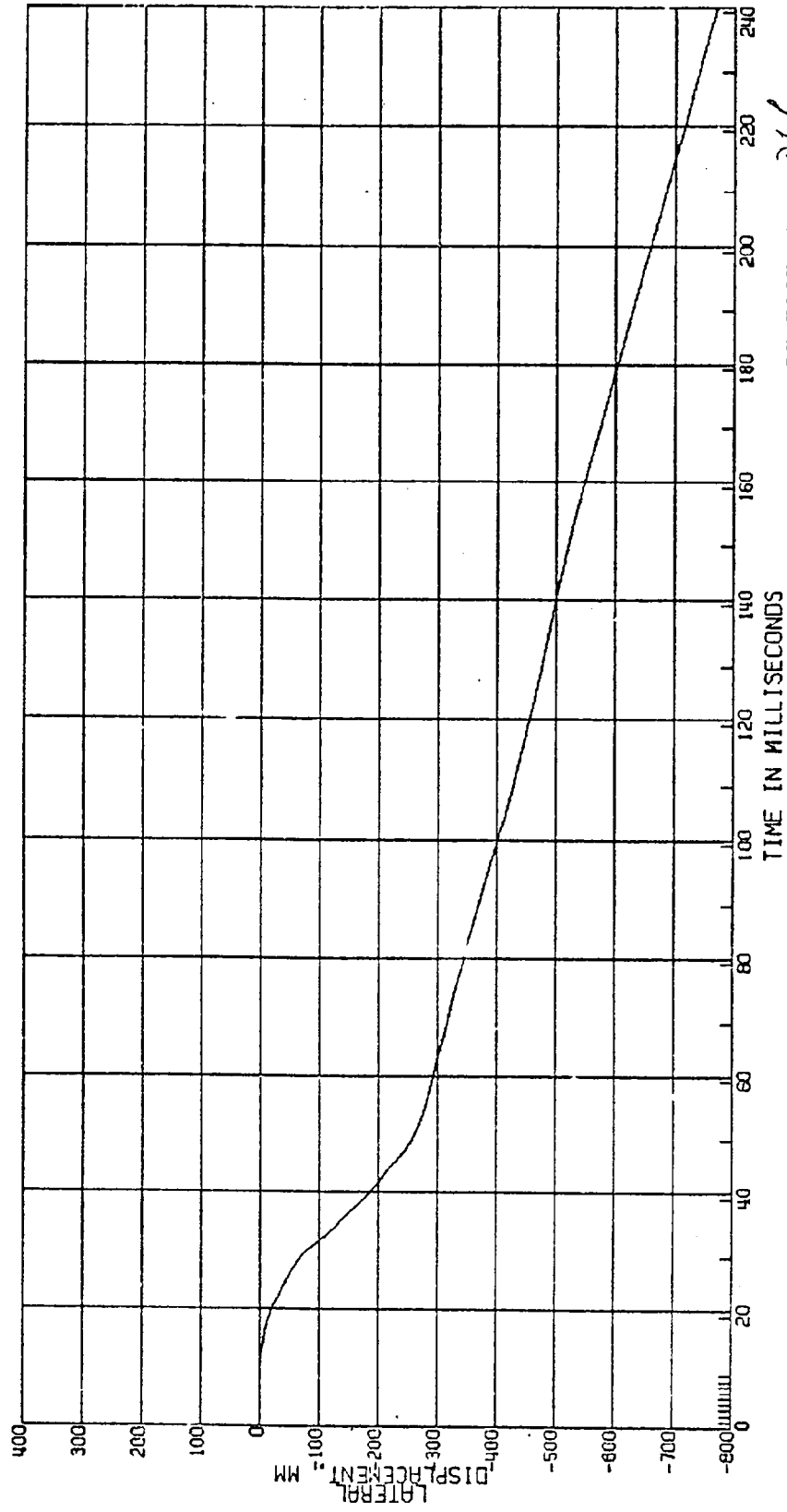
RELEASED BY: *DL7*
 40 PROCESSED 30 MAR 84 11:14

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 34
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED AT FRT DOOR (D) DISPLACEMENT
 (2ND INTEGRAL ACCELERATION)
 TEST DATE:03-29-84



RELEASED BY: *217*
 43 PROCESSED 30 MAR 84 11:14

C5915A RT SIDE IMP-GODEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 35
 3865-337
 FISHER BODY CO457 3JC77 STRUCK
 A-B DATE SAE CLASS 180
 TEST DATE: 03-29-84
 (2ND INTEGRAL ACCELERATION)



RELEASED BY: *dlf*
 46 PROCESSED 30 MAR 84 11:15

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 34

3865-337

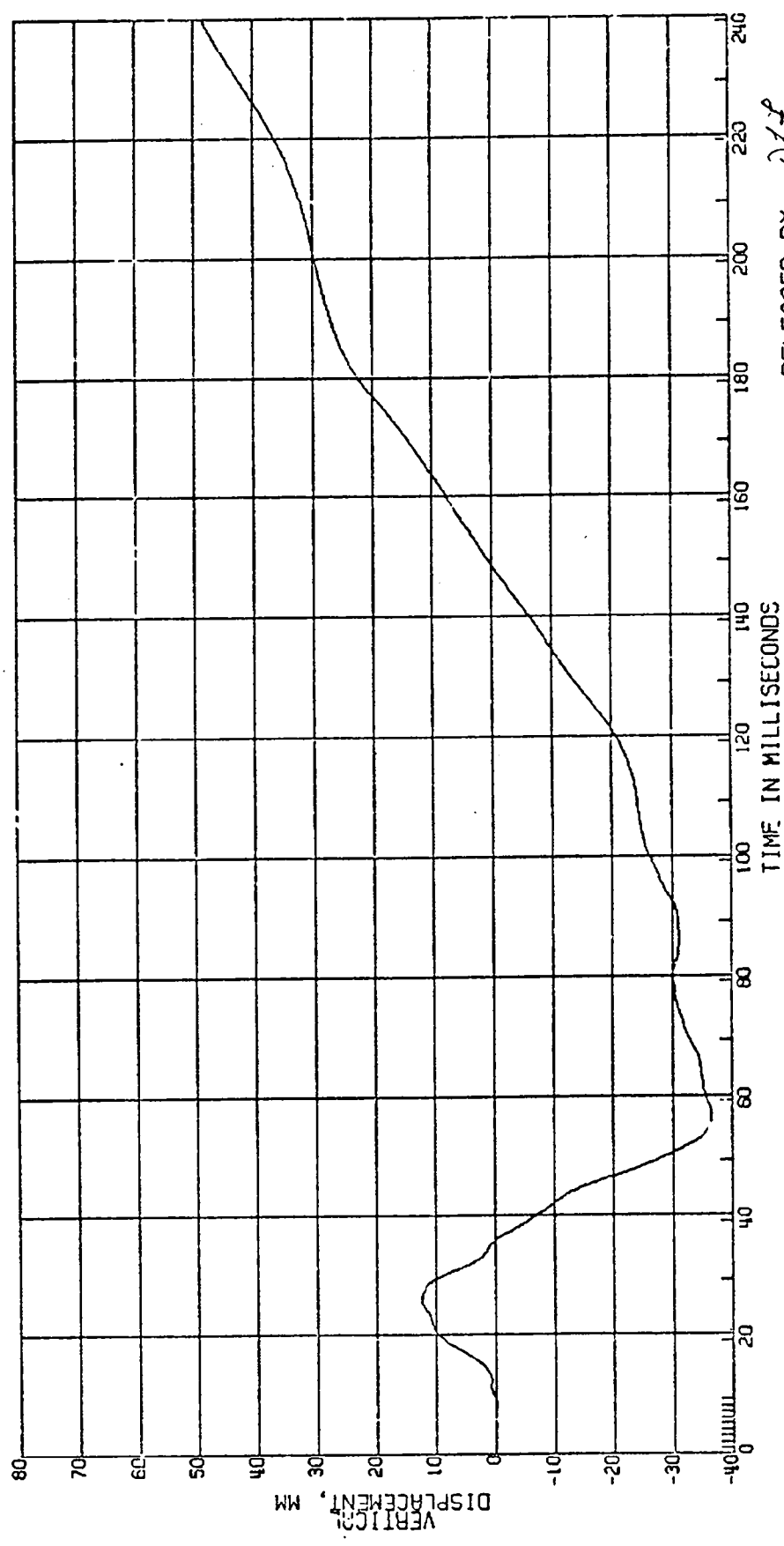
FISHER BODY C0457 3JC77 STRUCK

A-D DATA SAE CLASS 180

COMPUTED RT FRT DOOR (D) DISPLACEMENT

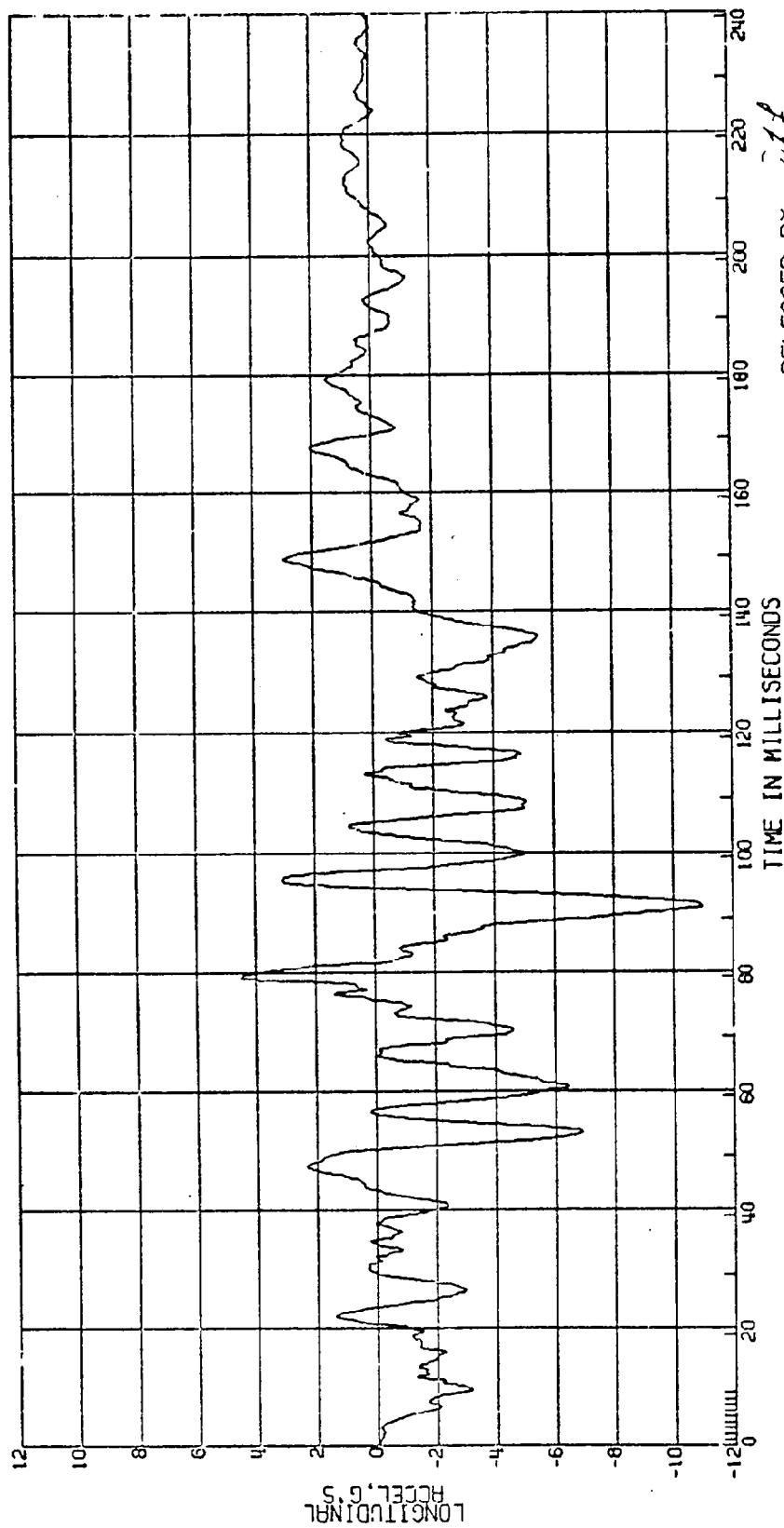
TEST DATE:03-20-84

(2ND INTEGRAL ACCELERATION)



RELEASED BY: *278*
49 PROCESSED 30 MAR 84 11:15

CS915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 27
 3065-337
 FISHER BODY CO457 3JC77 STRUCK
 A-D DATA SRE CLASS 80 TEST DATE: 03-29-84



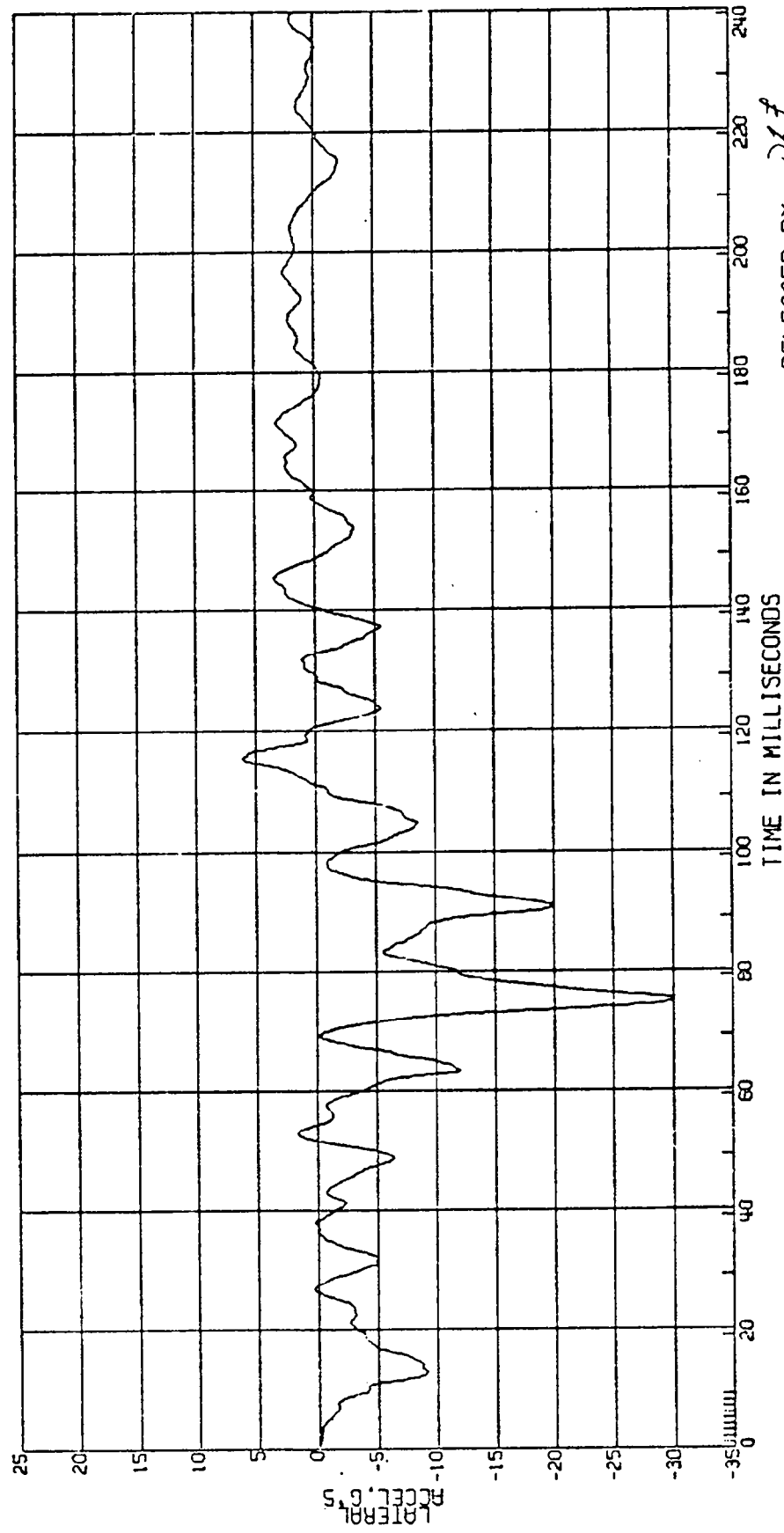
RELEASED BY: *217*
 53 PROCESSED 30 MAR 84 11:15

C5915A RT SIDE IMP-60DEG DIFF
3865-337
FISHER BODY C0457 3JC77 STRUCK
A-D DATA GAE CLASS 50

MOVING VEHICLE TO PARKED VEHICLE
DR-SIDE FLOOR PAN ACCEL.

56.1KM/H FIGURE 38

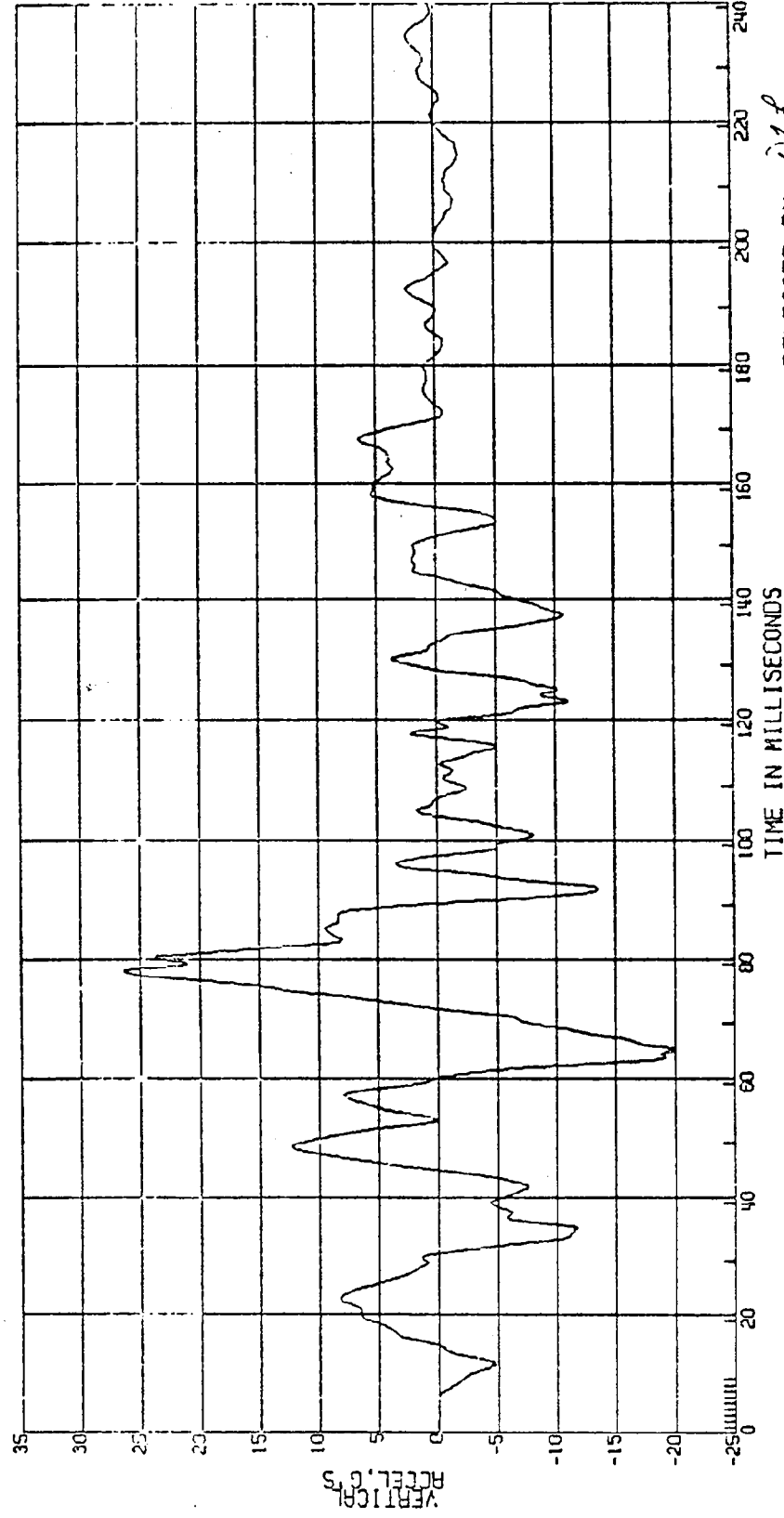
TEST DATE:03-29-04



RELEASED BY: *DLF*

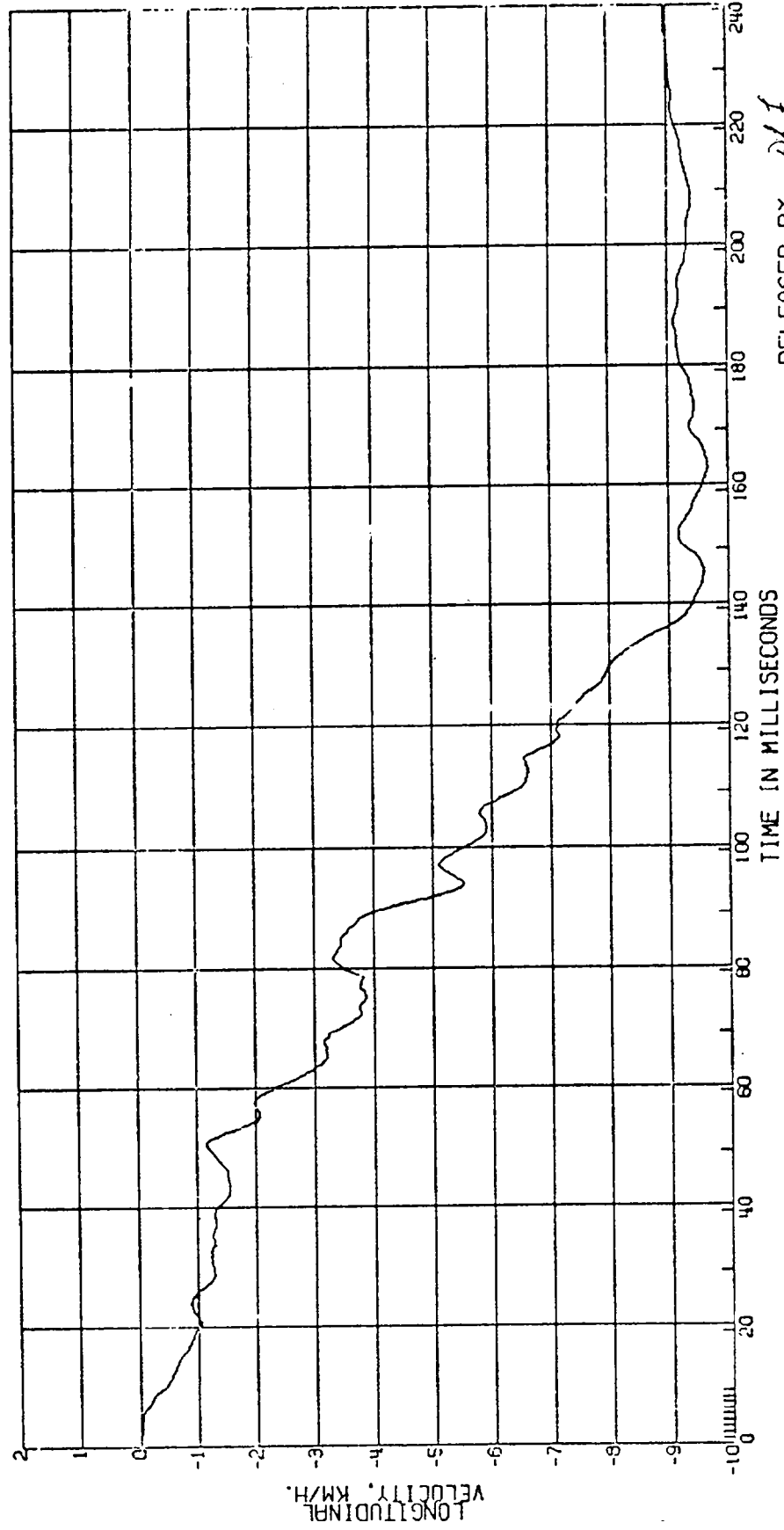
59 PROCESSED 30 MAR 84 11:16

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 39
3865-337
FISHER BODY C0457 30377 STRUCK
A-D DATA SAE CLASS 60 TEST DATE:03-29-84



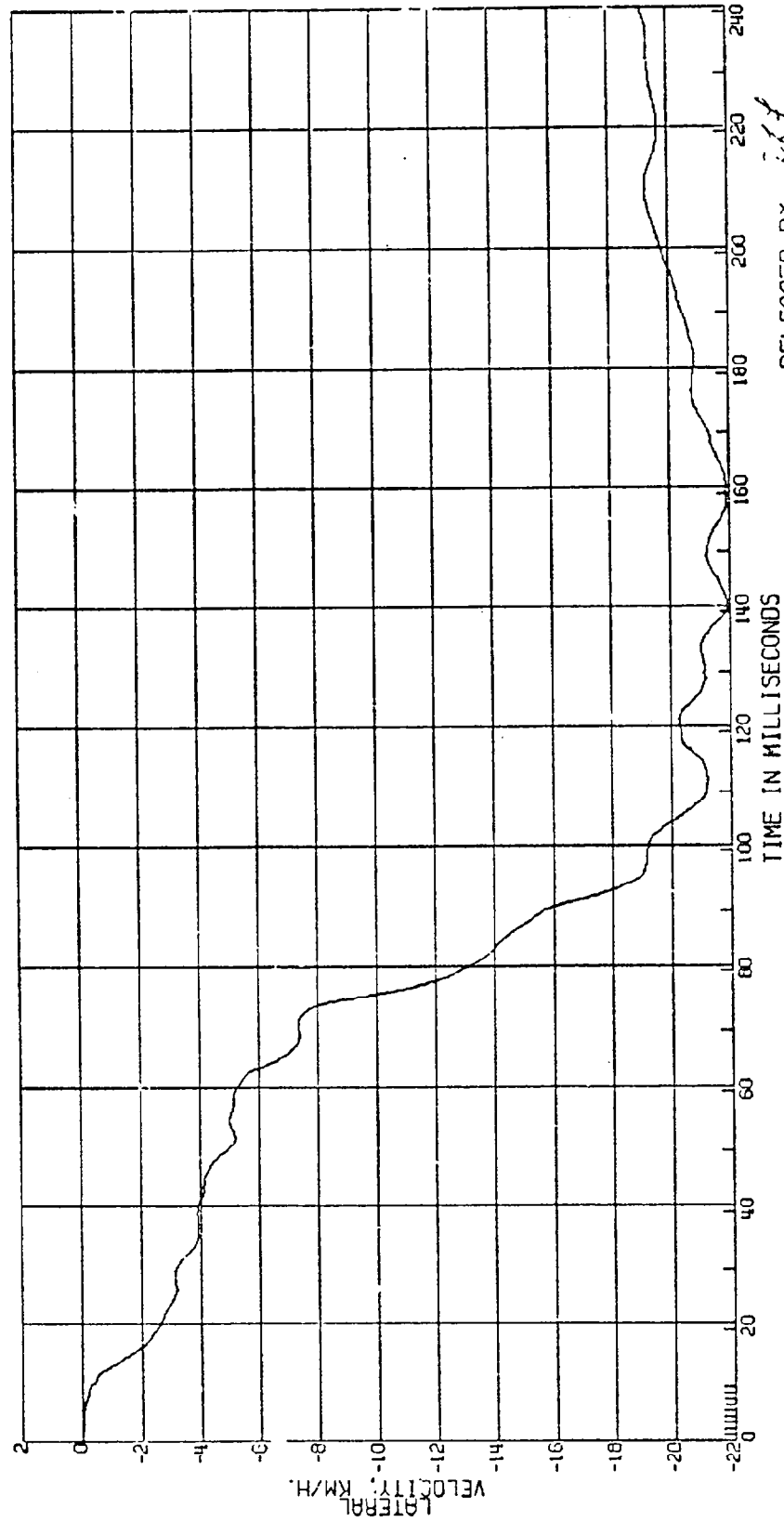
RELEASED BY: *DLF*
62 PROCESSED 30 MAR 84 11:16

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 40
 3895-337
 FISHER BODY CC457 3JC77 STRUCK COMPUTED FLOOR PAN VELOCITY TEST DATE:03-29-84
 A-D DATA SAE CLASS 180 (1ST INTEGRAL DRS-SIDE ACCELERATION)



RELEASED BY: *DLF*
 54 PROCESSED 30 MAR 84 11:15

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 4//
 3865-337
 FISHER BODY COUS? 3JC77 STRUCK
 A-D DATE SAE CLASS 160
 COMPUTED FLOOR PAN VELOCITY
 (1ST INTEGRAL DRS-SIDE ACCELERATION)
 TEST DATE: 03-29-84



RELEASED BY: *ELF*
 60 PROCESSED 30 MAR 84 11:16

BOUNDAIR 42

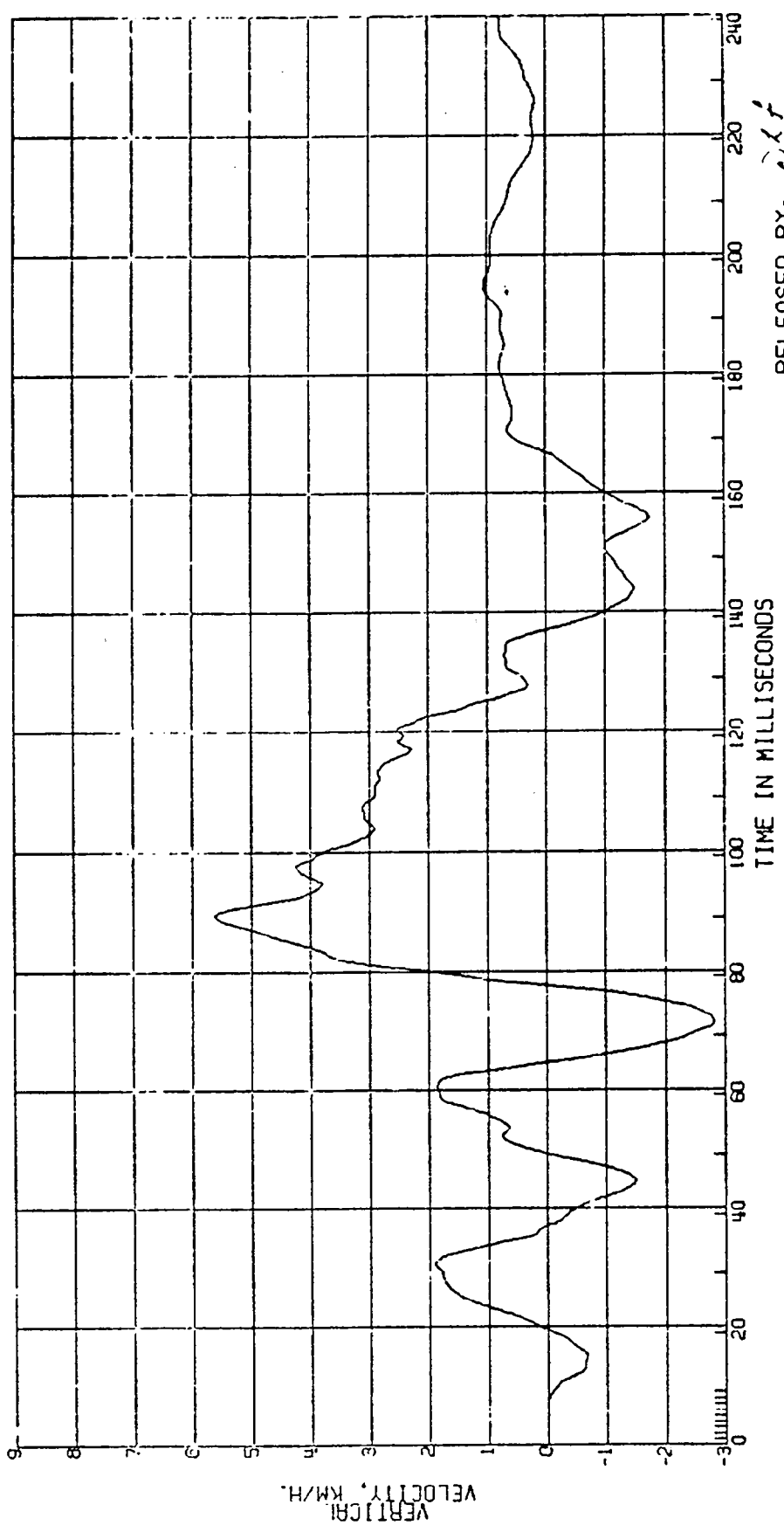
COMPUTED FROM PEA

TEST DATE: 03-20-64

FLIGHT LOG: 00457 30077 STRUCK

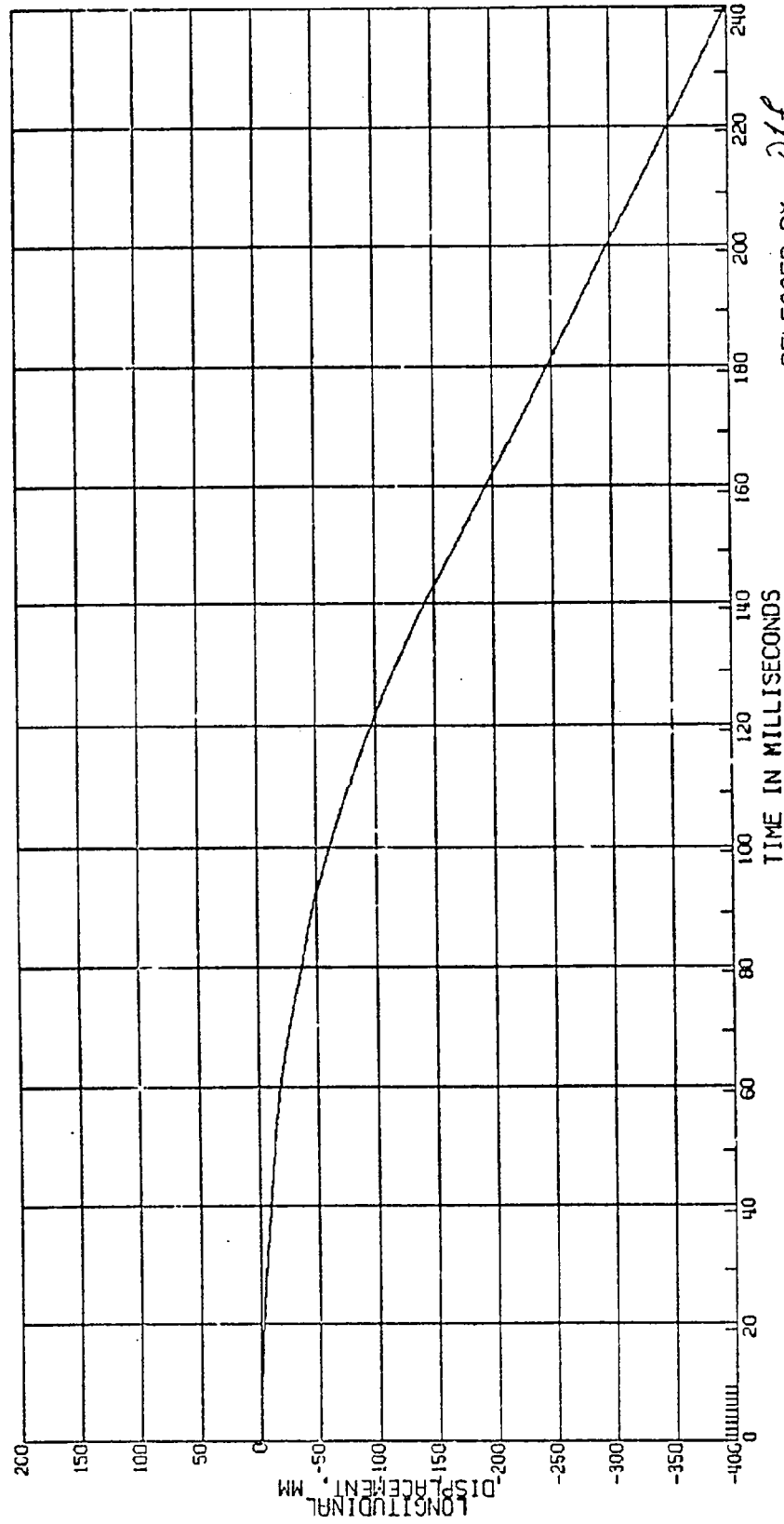
A-D DATA SAE CLASS 100

(1ST INTEGRAL DRS-SIDE ACCELERATION)



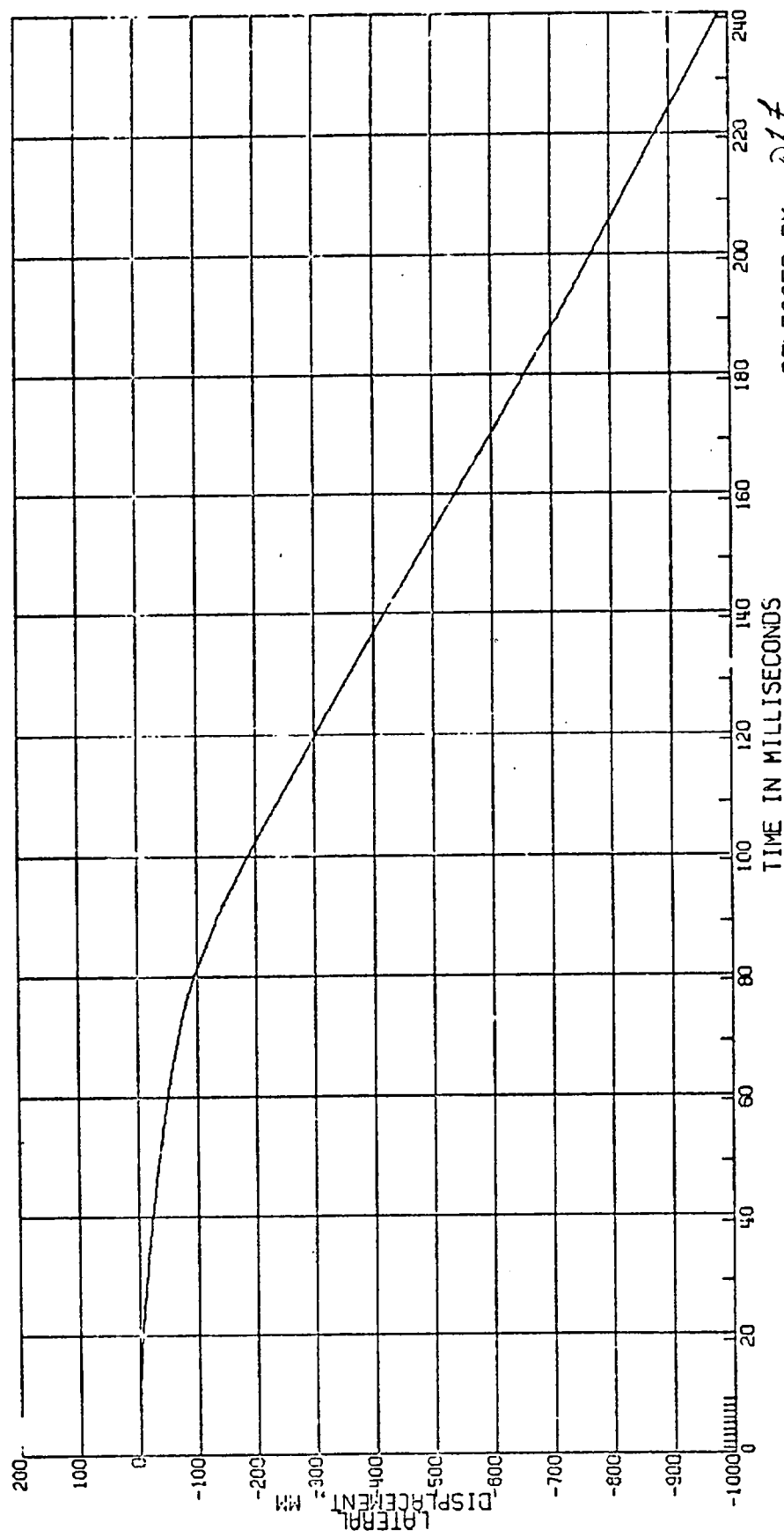
RELEASED BY: *217*
63 PROCESSED 30 MAR 64 11:16

C5915A AT SIDE IMP-GODEG DIFF
 3805-337
 FISHK BODY C0457 3JC77 STRUCK
 A-D DATE GRE CLASS 130
 MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 43
 COMPUTED FLOOR PAN DISPLACEMENT
 (2ND INTEGRAL DRS-SIDE ACCELERATION) TEST DATE: 03-29-84



RELEASED BY: *215*
 55 PROCESSED 30 MAR 84 11:16

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 44
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 TEST DATE: 03-29-84
 COMPUTED FLOOR PAN DISPLACEMENT
 (2ND INTEGRAL DRS-SIDE ACCELERATION)



RELEASED BY: *217*
 61 PROCESSED 30 MAR 84 11:16

C5911A AT SIDE IMP-60DEG DIFF
3805-237 FISHH BODY CC457 3JC77 STRUCK
A-D DATA SEE CLASS 130

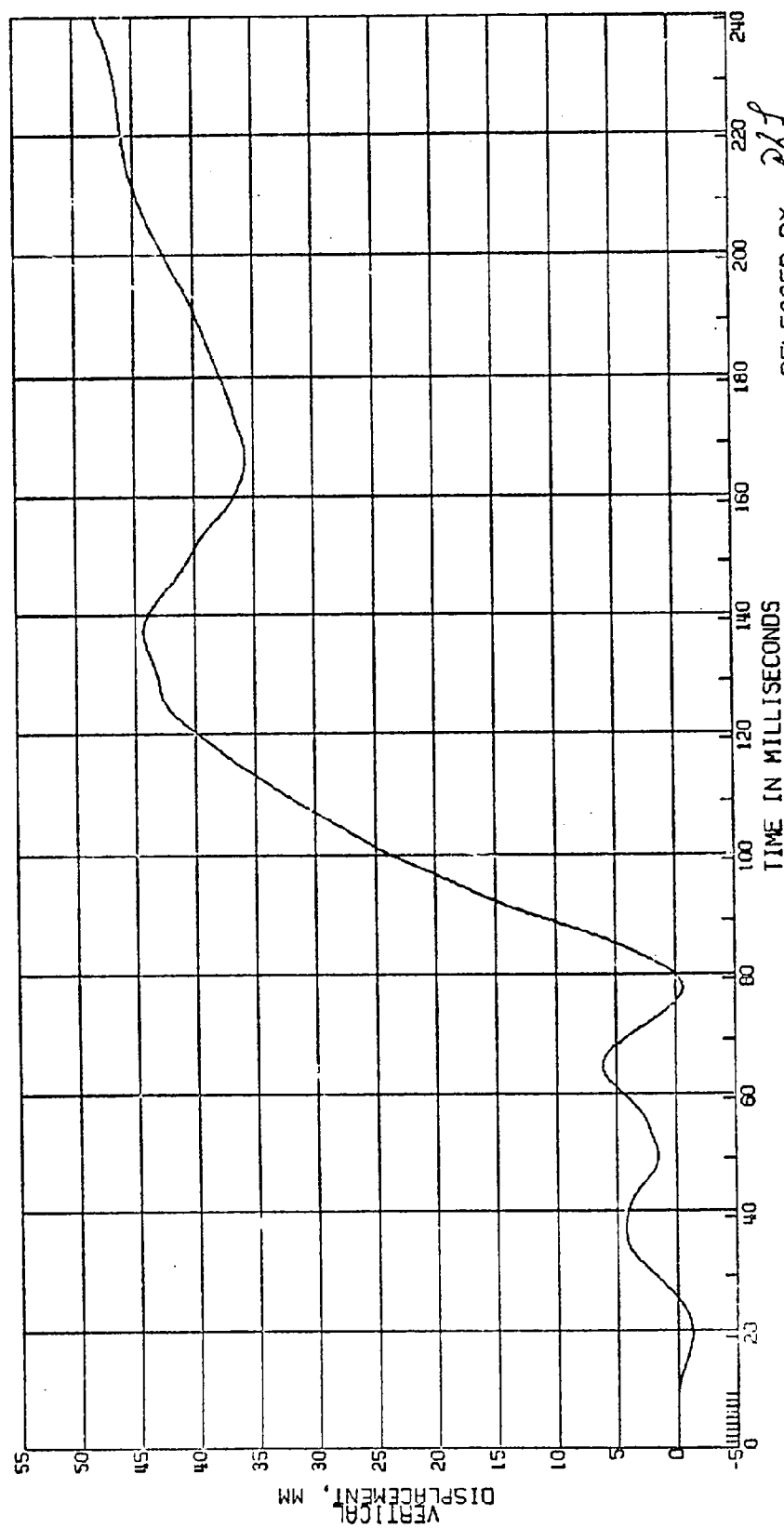
MOVING VEHICLE TO PARKED VEHICLE

56.1 KM/H FIGURE 45

COMPUTED FLOOR PAN DISPLACEMENT

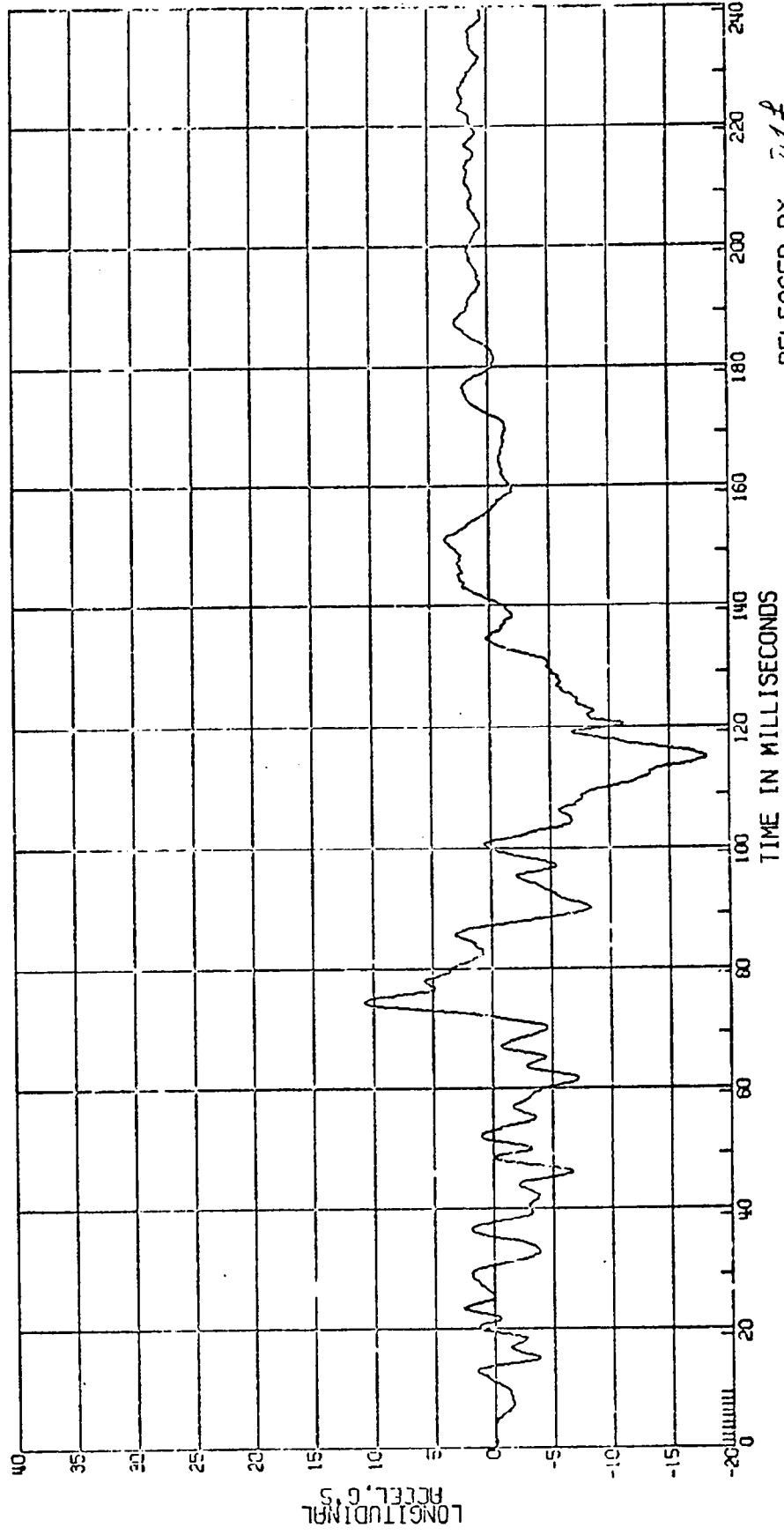
TEST DATE: 03-29-84

(2ND INTEGRAL DRS-SIDE ACCELERATION)



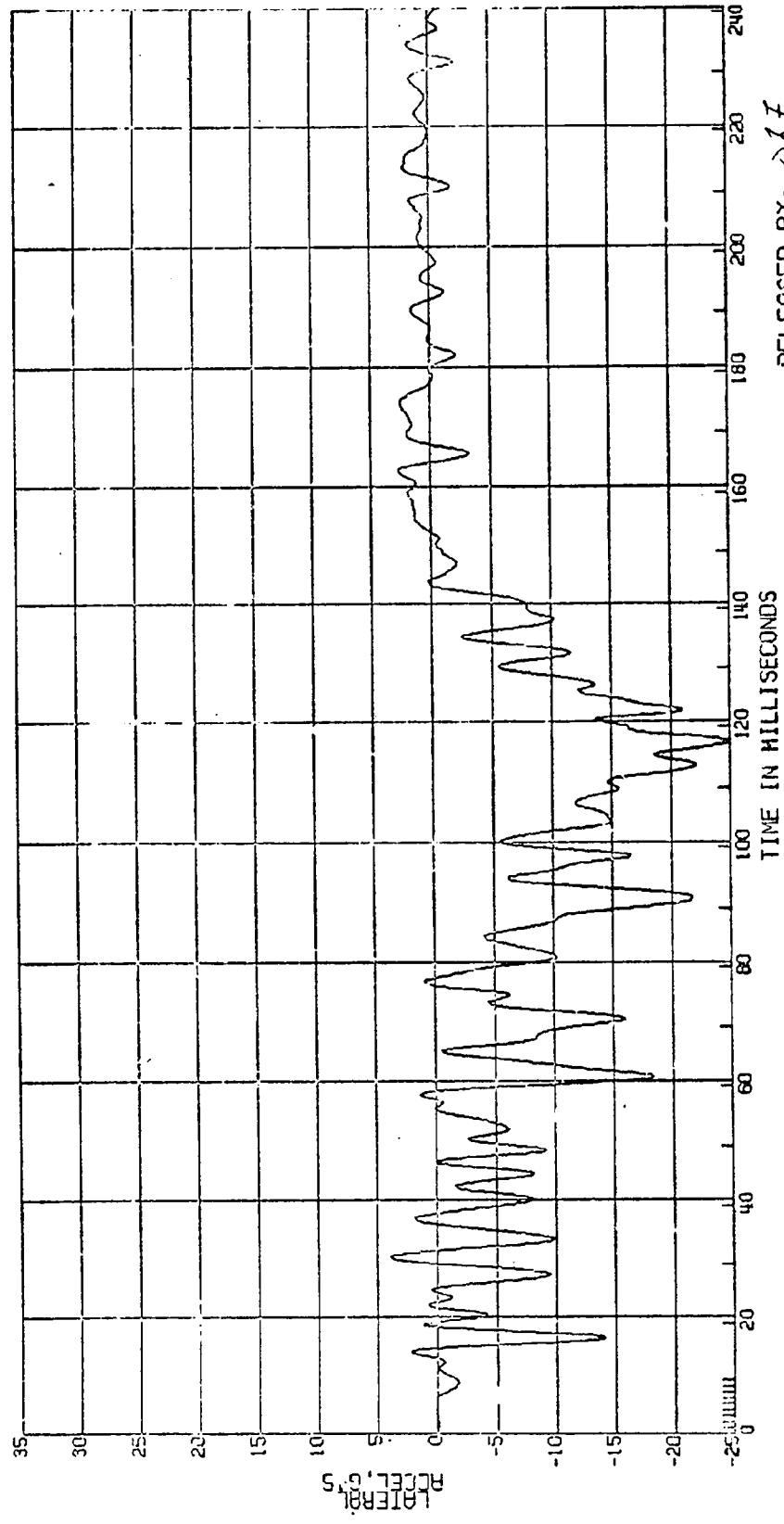
RELEASED BY: *219*
64 PROCESSED 30 MAR 84 11:17

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 46
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 60
 TEST DATE: 03-20-04
 PASS-SIDE TRUNK ACCEL.



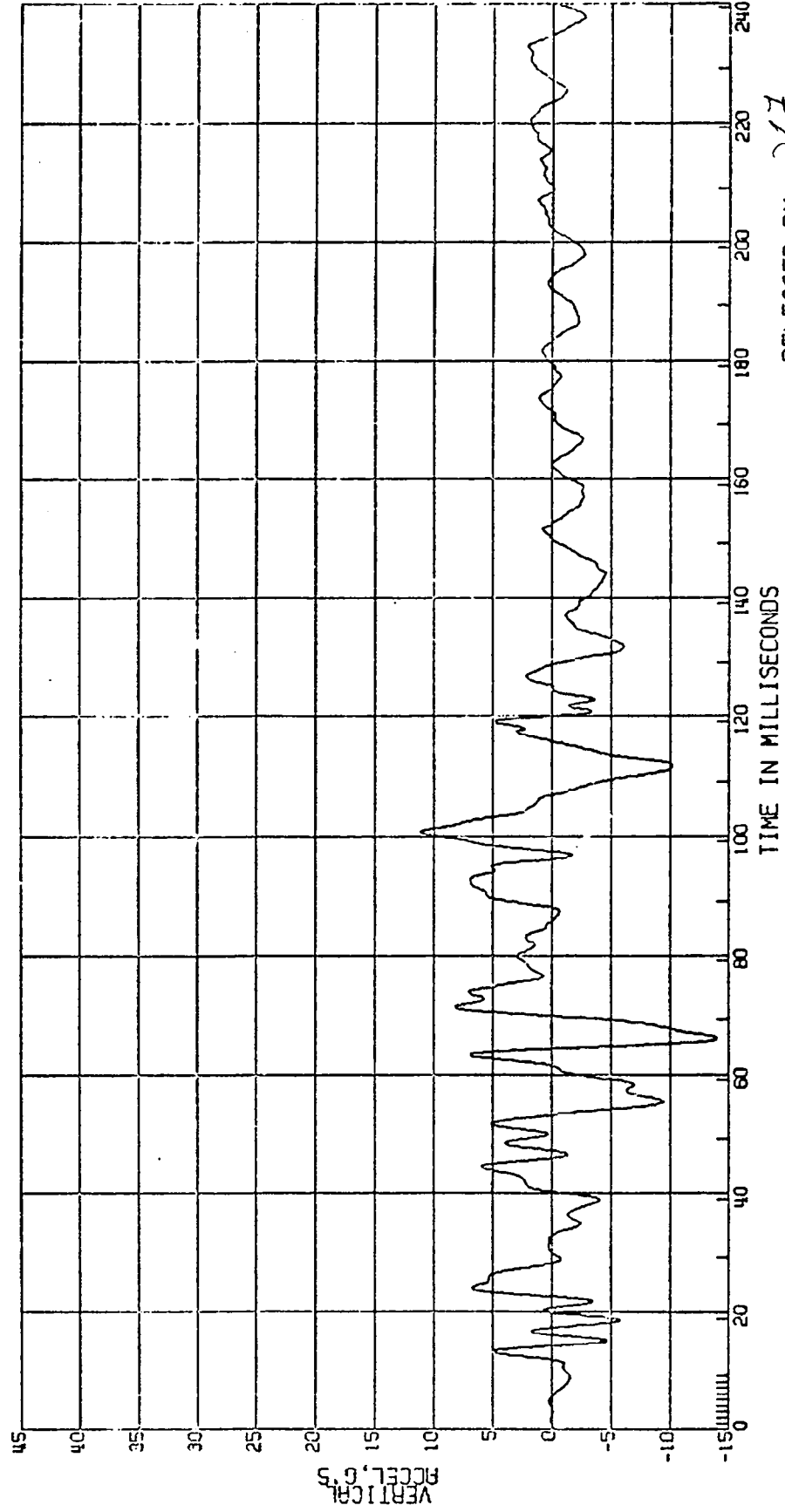
RELEASED BY: *DLF*
 65 PROCESSED 30 MAR 84 11:17

C5915A RT SIDE IMP-GODEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 47
 3885-337
 FISHER BODY C0457 30077 STRUCK
 A-D DATA SEE CLASS 30 TEST DATE: 03-29-84



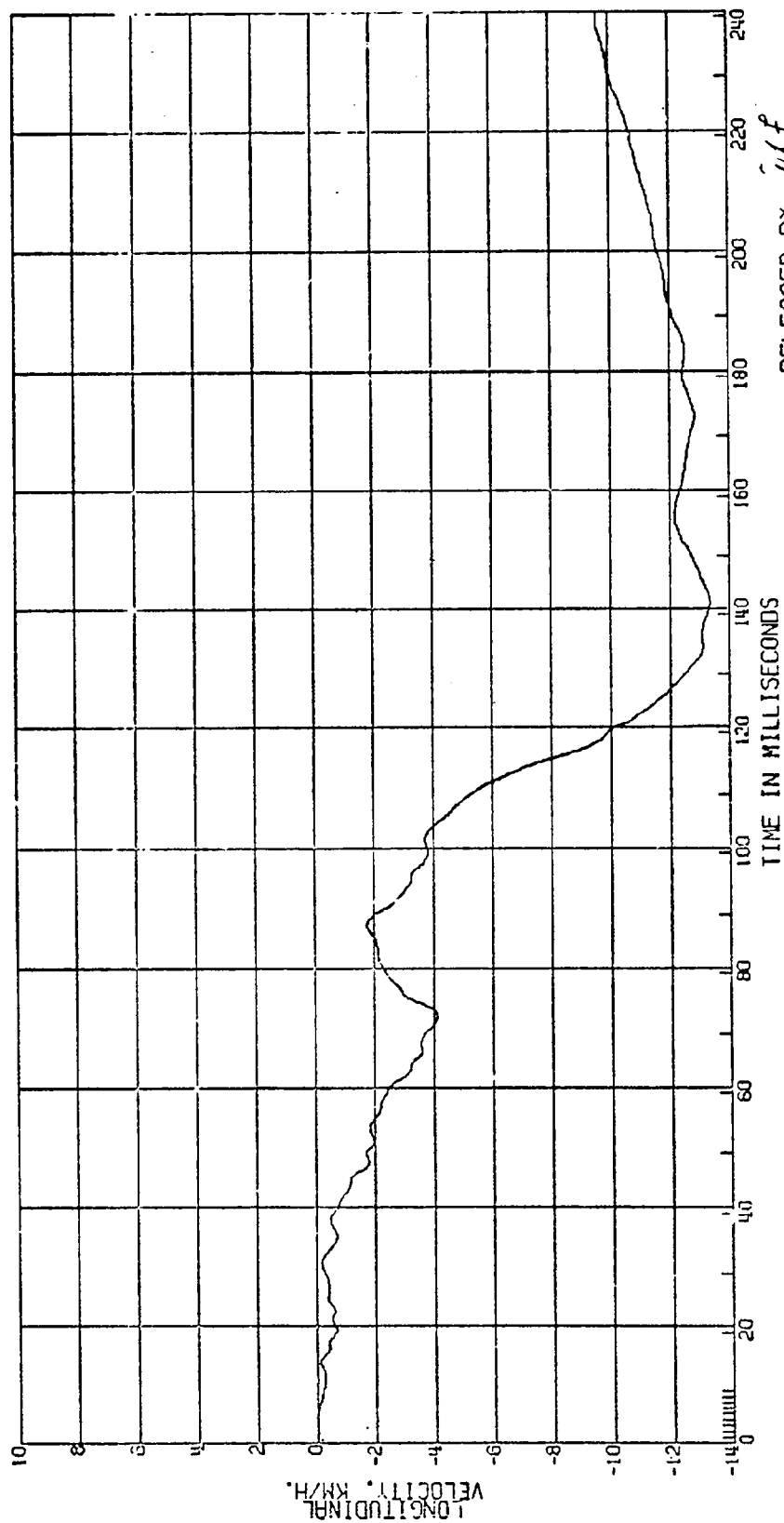
RELEASED BY: *DLF*
 68 PROCESSED 30 MAR 84 11:17

C5915A AT SIDE IMP-60JEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 48
3065-337
FISHER BODY CC457 3JC77 STRUCK
P-D DATA SAE CLASS 30 TEST DATE:03-29-84



RELEASED BY: 213
71 PROCESSED 30 MAR 84 11.17

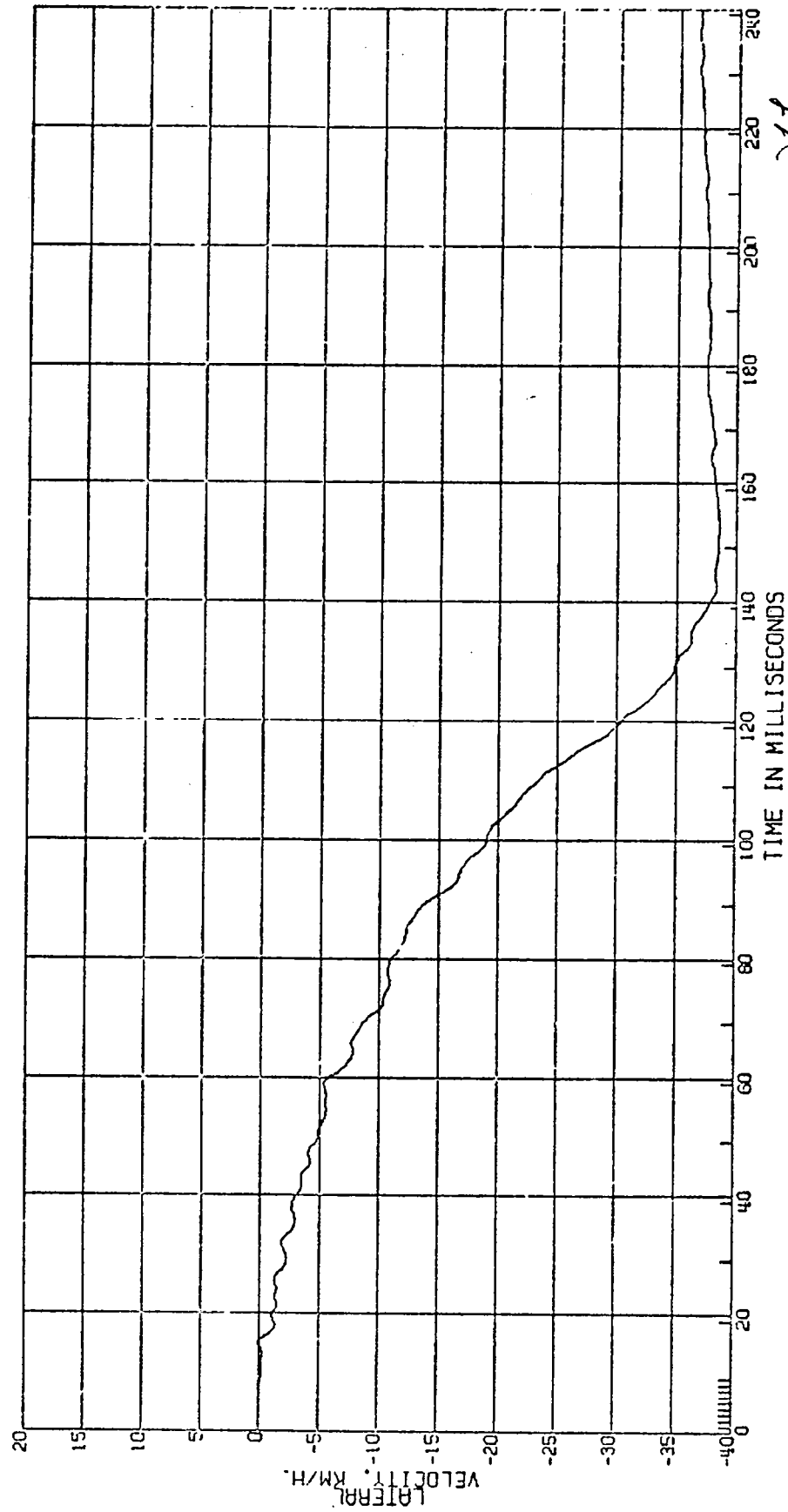
C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 47
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED TRUNK VELOCITY
 (1ST INTEGRAL PASS-SIDE ACCELERATION)
 TEST DATE: 03-29-84



RELEASED BY: *DLF*
 66 PROCESSED 30 MAR 84 11:17

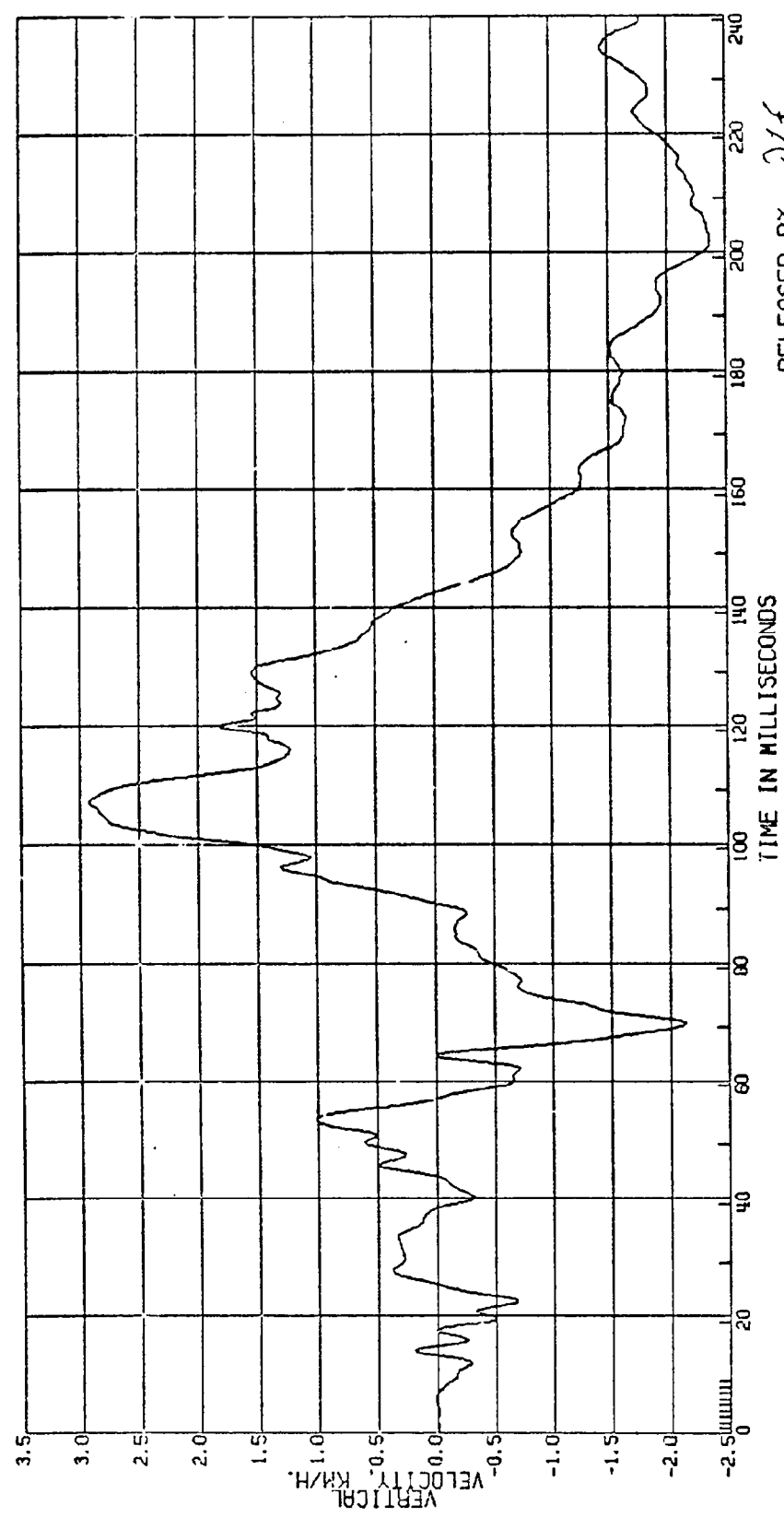
C5915A AT SIDE IMP-60DEG DIFF
3895-337
FISHER BODY CC457 3JC77 STRUCK
A-D DATA SAE CLASS 180

MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 50
COMPUTED TRUNK VELOCITY
(1ST INTEGRAL PASS-SIDE ACCELERATION)
TEST DATE: 03-29-84



RELEASED BY: *dyf*
09 PROCESSED 30 MAR 84 11:17

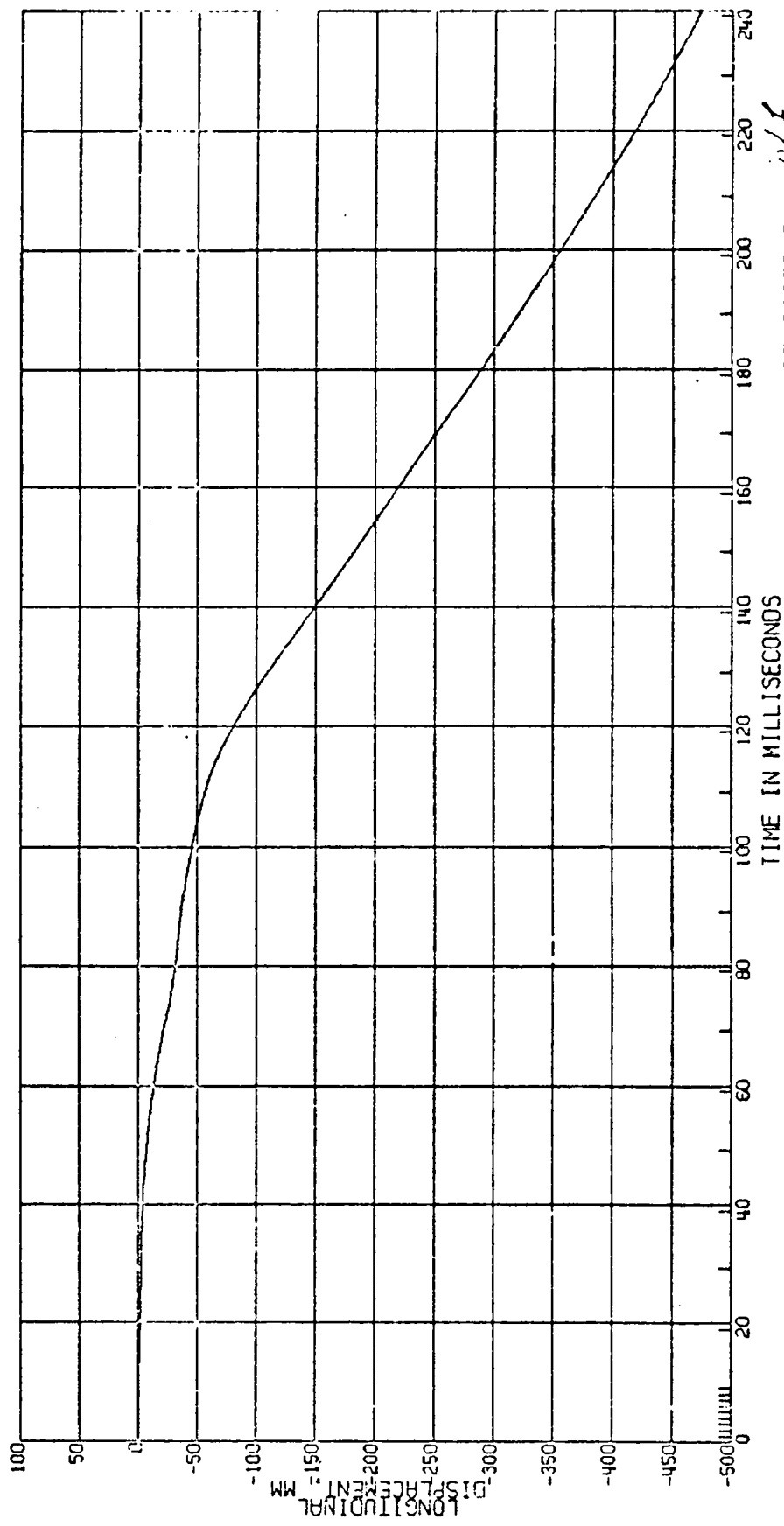
C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 5/
3865-337
FISHER BODY C0457 3JC77 STRUCK
A-D DATA SAE CLASS 180
COMPUTED TRUNK VELOCITY
TEST DATE:03-29-84
(1ST INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: *DLF*
72 PROCESSED 30 MAR 84 11:18

C5915A RT SIDE IMP-60JEG DIFF
3865-337
FISHER BODY CC457 3JC77 STRUCK
A-D DATA SAE CLASS 180

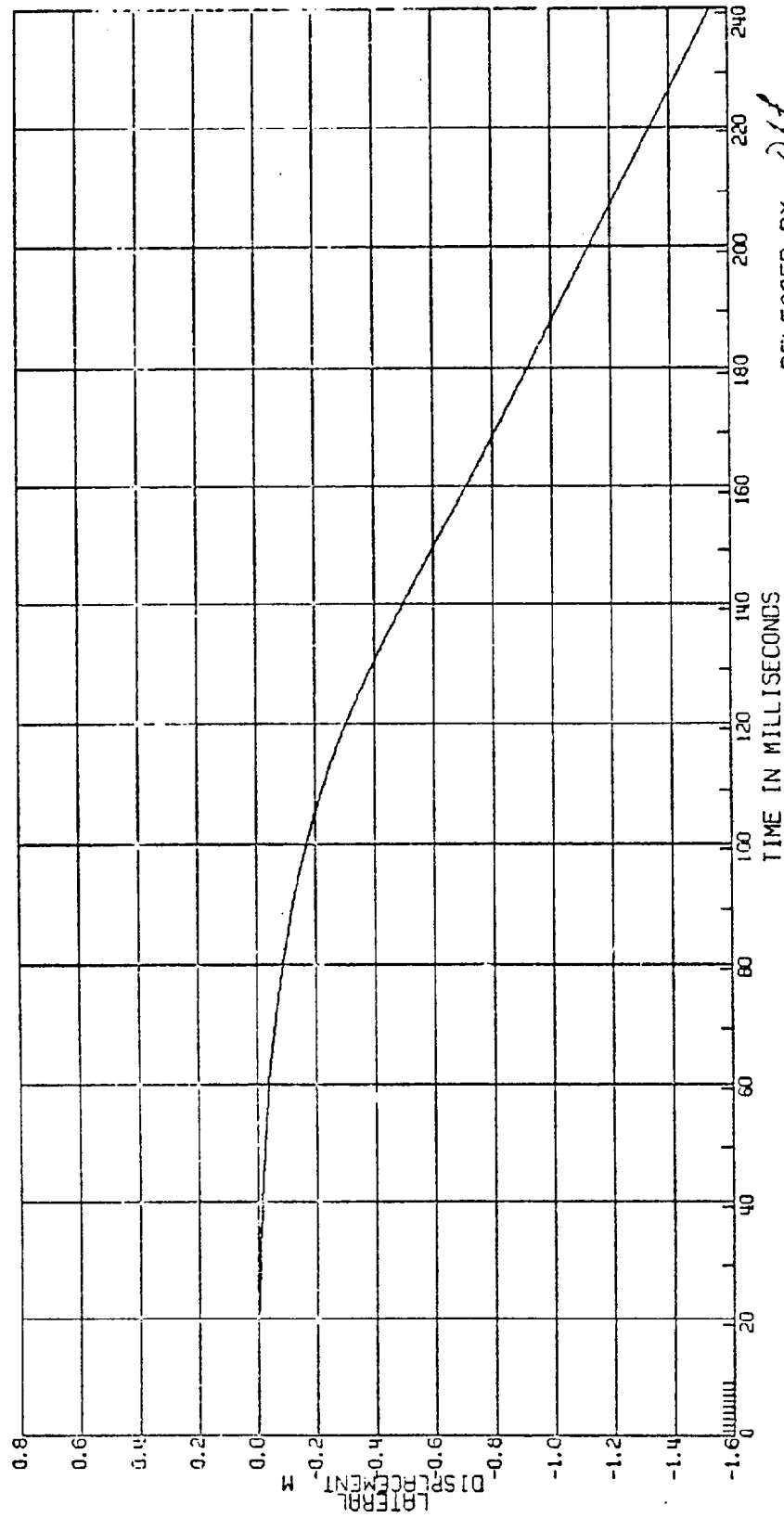
MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 52
COMPUTED TRUNK DISPLACEMENT
(2ND INTEGRAL PASS-SIDE ACCELERATION)
TEST DATE:03-29-84



RELEASED BY: *WLF*
67 PROCESSED 30 MAR 84 11:17

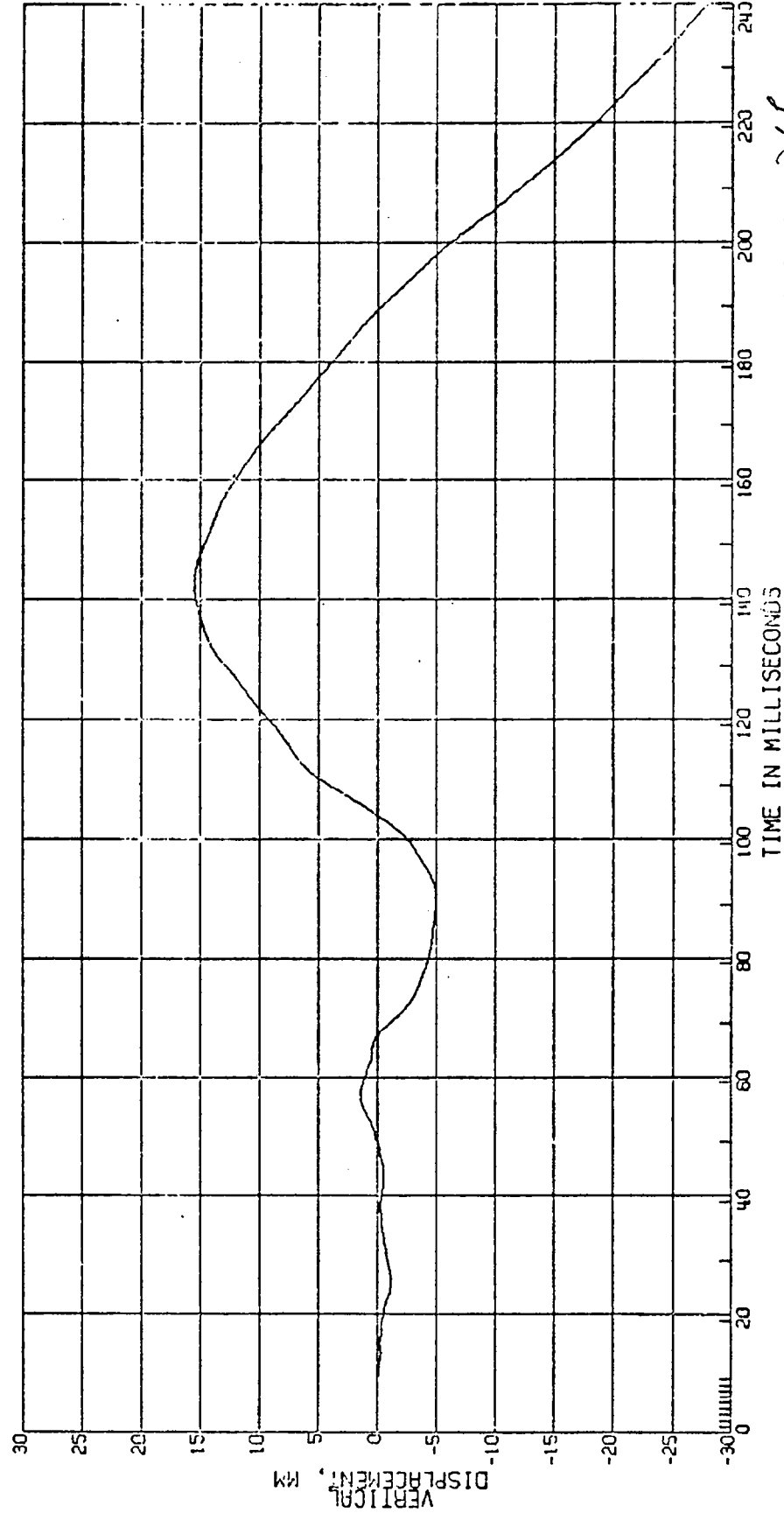
C5915A AT SIDE IMP-GODEC DIFF
3865-337
FISHER BODY CO. 37 SJC77 STRUCK
A-C DATA SAE CLASS 180

MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 53
COMPUTED TRUNK DISPLACEMENT
(2ND INTEGRAL PASS-SIDE ACCELERATION)
TEST DATE: 05-25-54



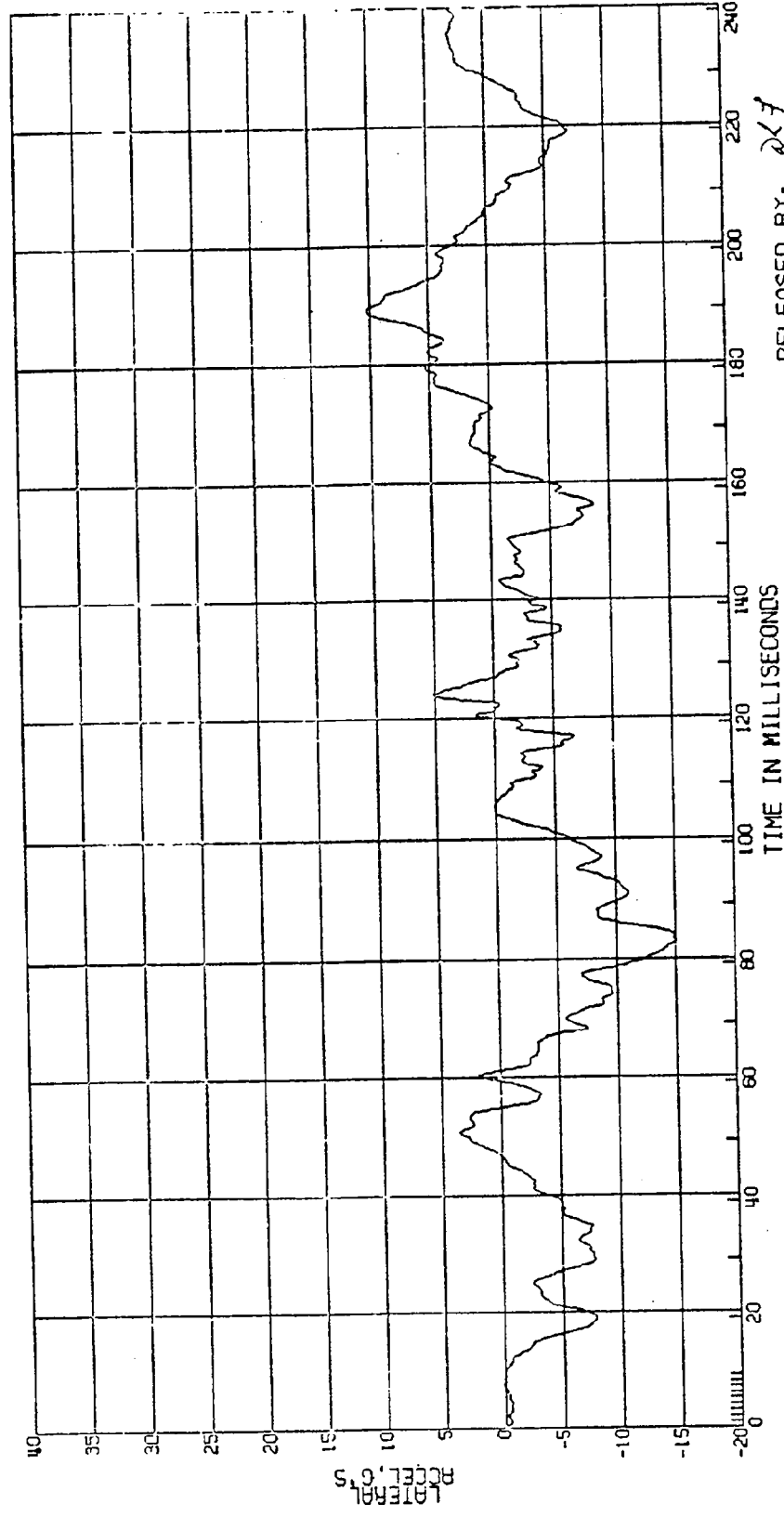
RELEASED BY: *DLF*
70 PROCESSED 30 MAR 84 11:17

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 54
3865-337
FISHER BODY CC457 3JC77 STRUCK
A-D DATA SAE CLASS 160
COMPUTED TRUNK DISPLACEMENT
(2ND INTEGRAL PASS-SIDE ACCELERATION)
TEST DATE: 03-29-84



RELEASED BY: *DLF*
73 PROCESSED 30 MAR 84 11:18

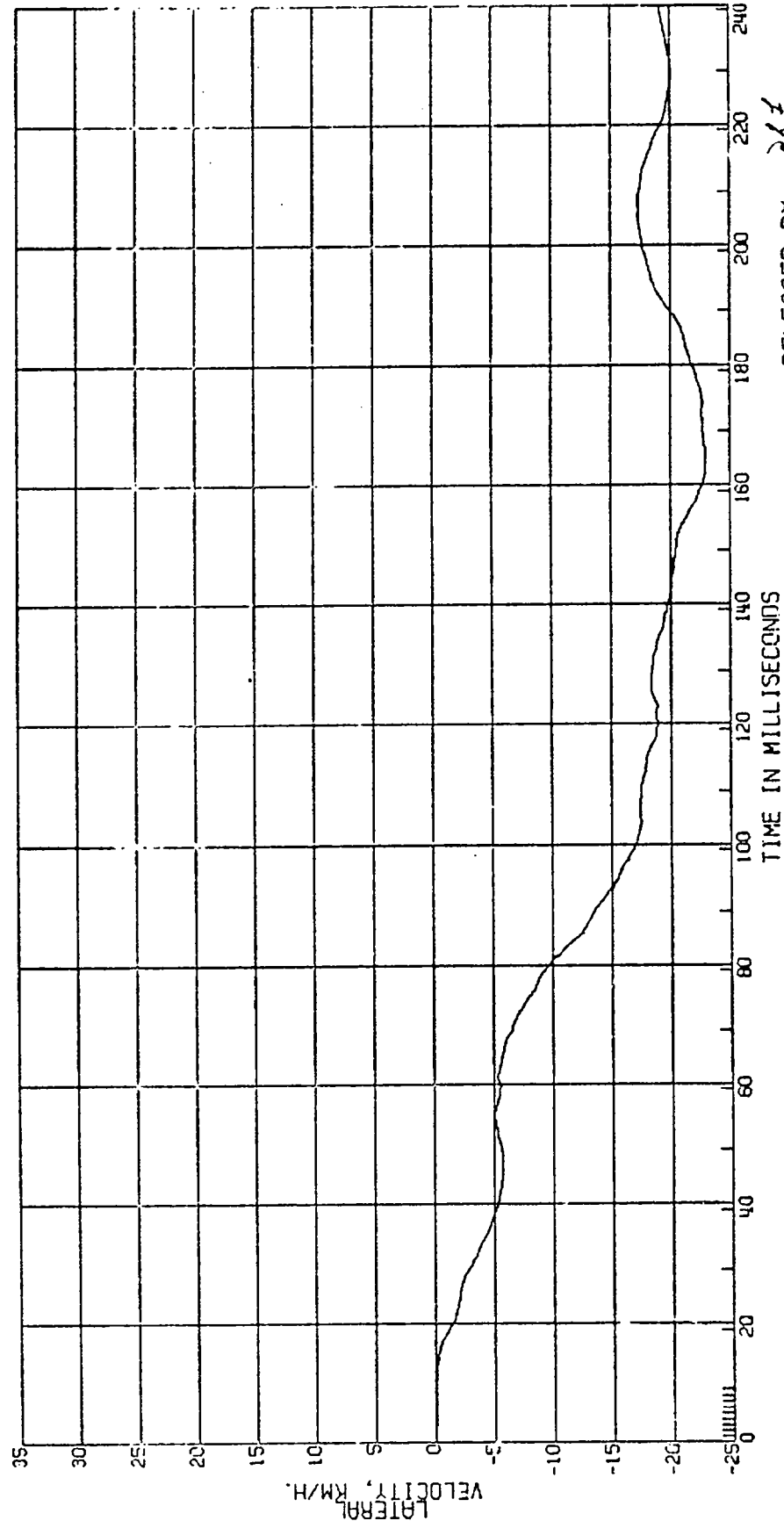
C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 55
38C5-337 LT FRT DOOR (A') ACCEL. TEST DATE: 03-29-84
FISHER BODY C0457 3JC77 STRUCK
A-D DATA SAE CLASS GC



RELEASED BY: *DLF*
50 PROCESSED 30 MAR 84 11:15

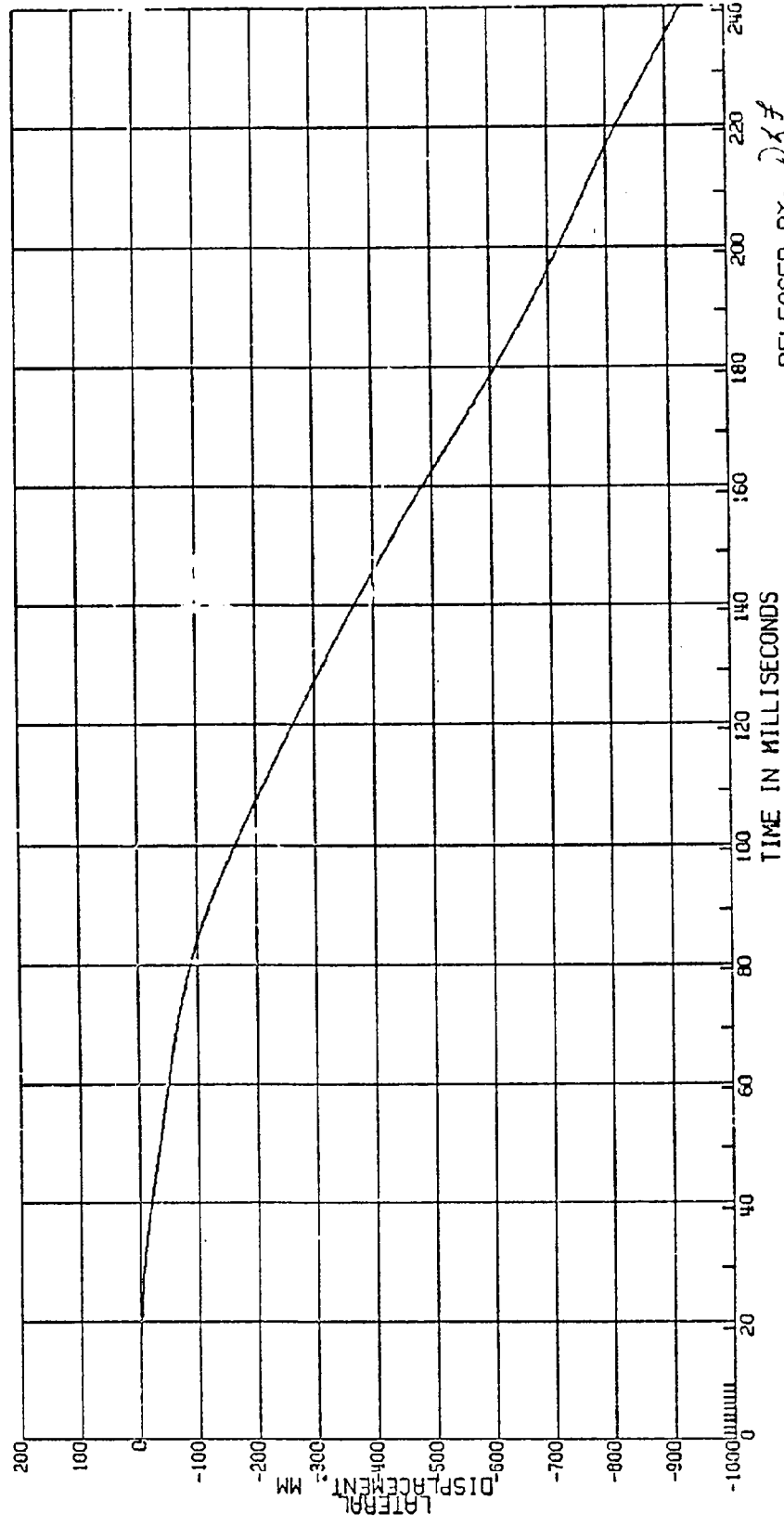
MULTIPLE INFORMATION REPORTED IN SOURCE
 COMPUTED IN FILE SOURCE IN VILLOREY
 SOURCE: 56
 TEST DATE: 05-04-00

1ST INTEGRAL ACCELERATION



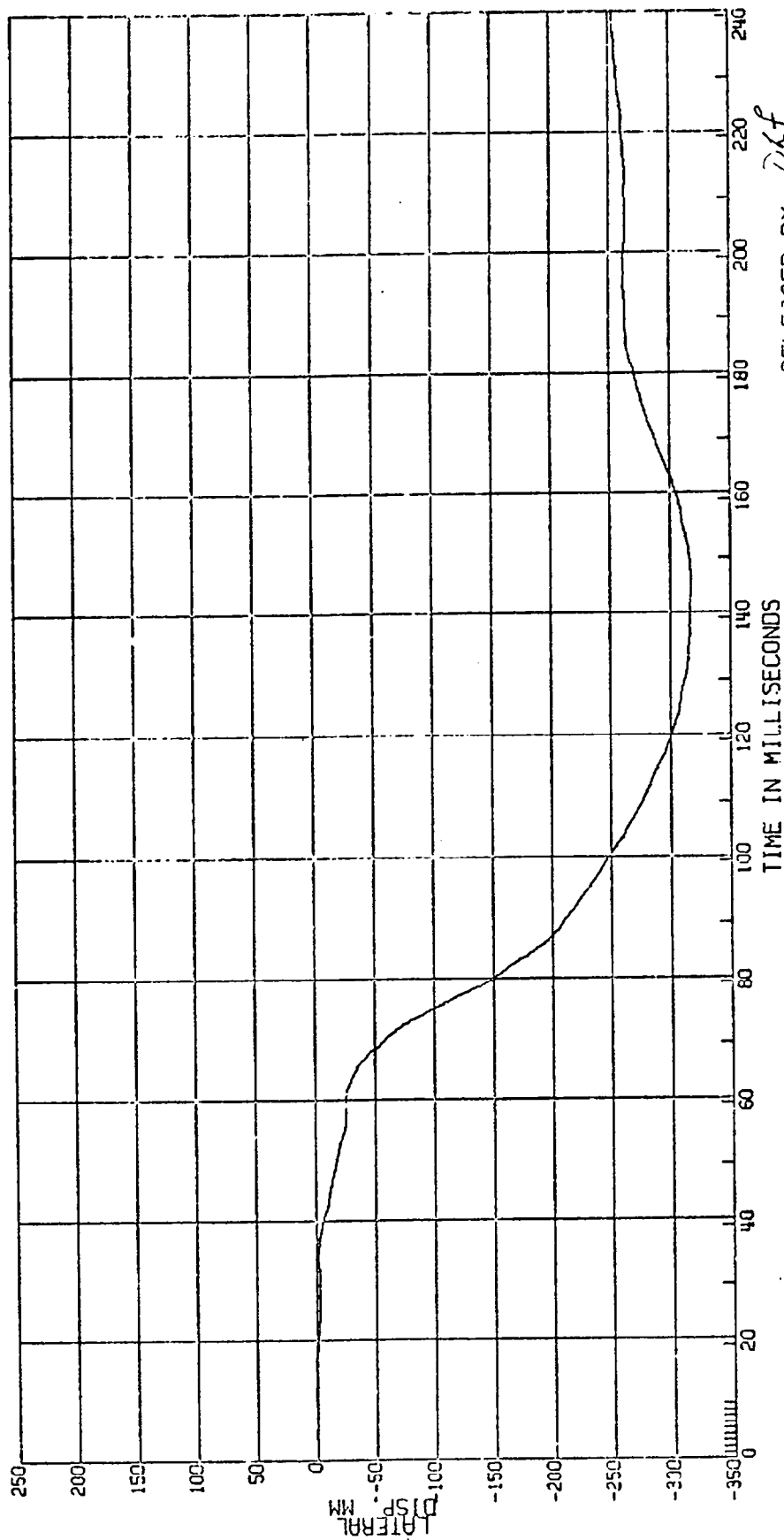
RELEASED BY: *fix*
SI PROCESSED 30 MAR 84 11:15

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 57
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA SAE CLASS 180
 COMPUTED LT FRT DOOR (A') DISPLACEMENT
 (2ND INTEGRAL ACCELERATION)
 TEST DATE: 03-29-84



RELEASED BY: *DXF*
 52 PROCESSED 30 MAR 84 11:15

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 58
 3865-337
 FISHER BODY CO457 3JC77 STRUCK PASS-SIDE B-PILLAR @ BELTLINE DISP.
 A-D DATA SAE CLASS 60 TEST DATE: 03-29-84



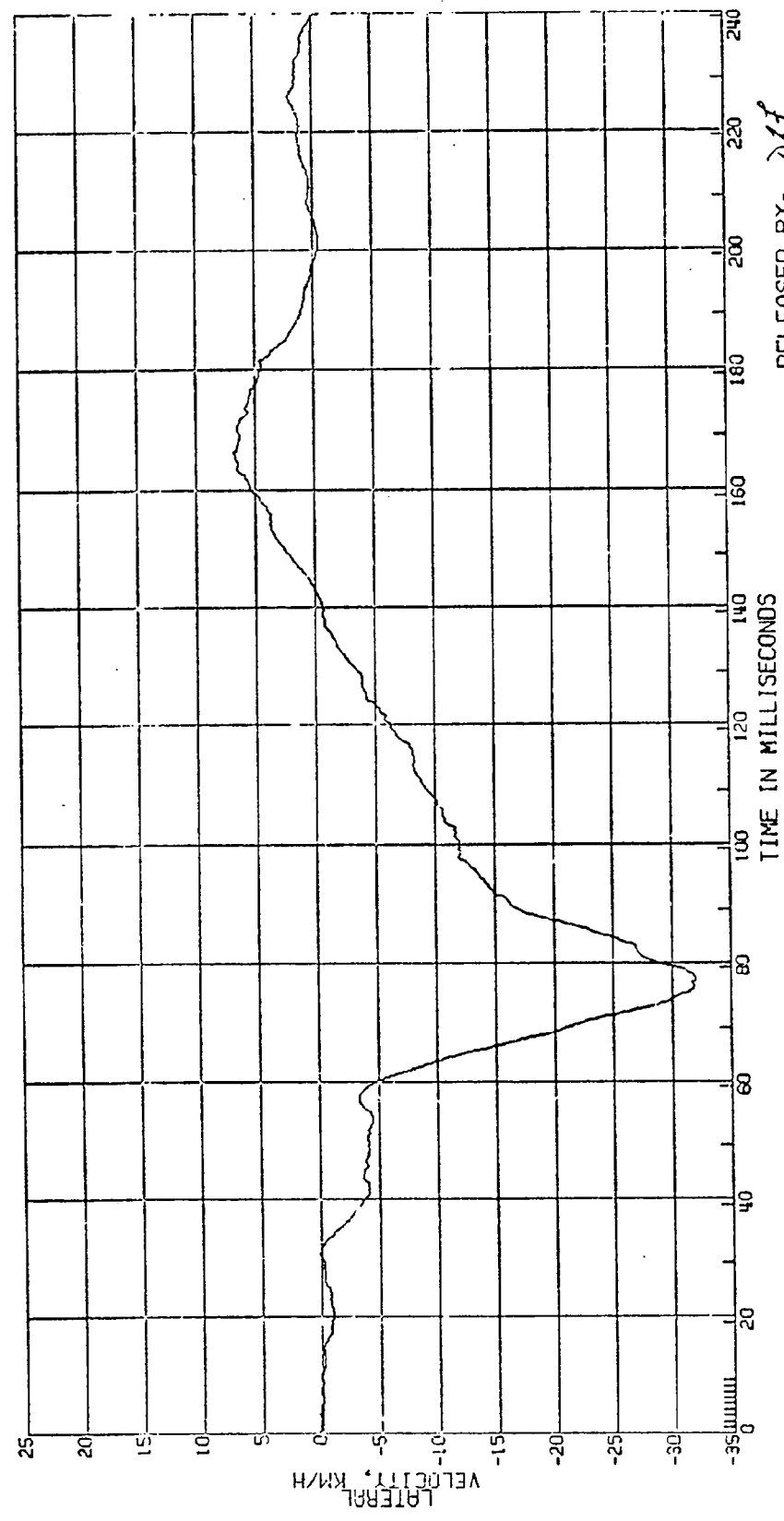
RELEASED BY: *DLF*
 74 PROCESSED 30 MAR 84 11:18

59

TEST DATE: 03-29-84

COMPUTED 5-PILLAR 0 BELTLINE VELOCITY
(1ST DIFFERENTIATION OF DISPLACEMENT)

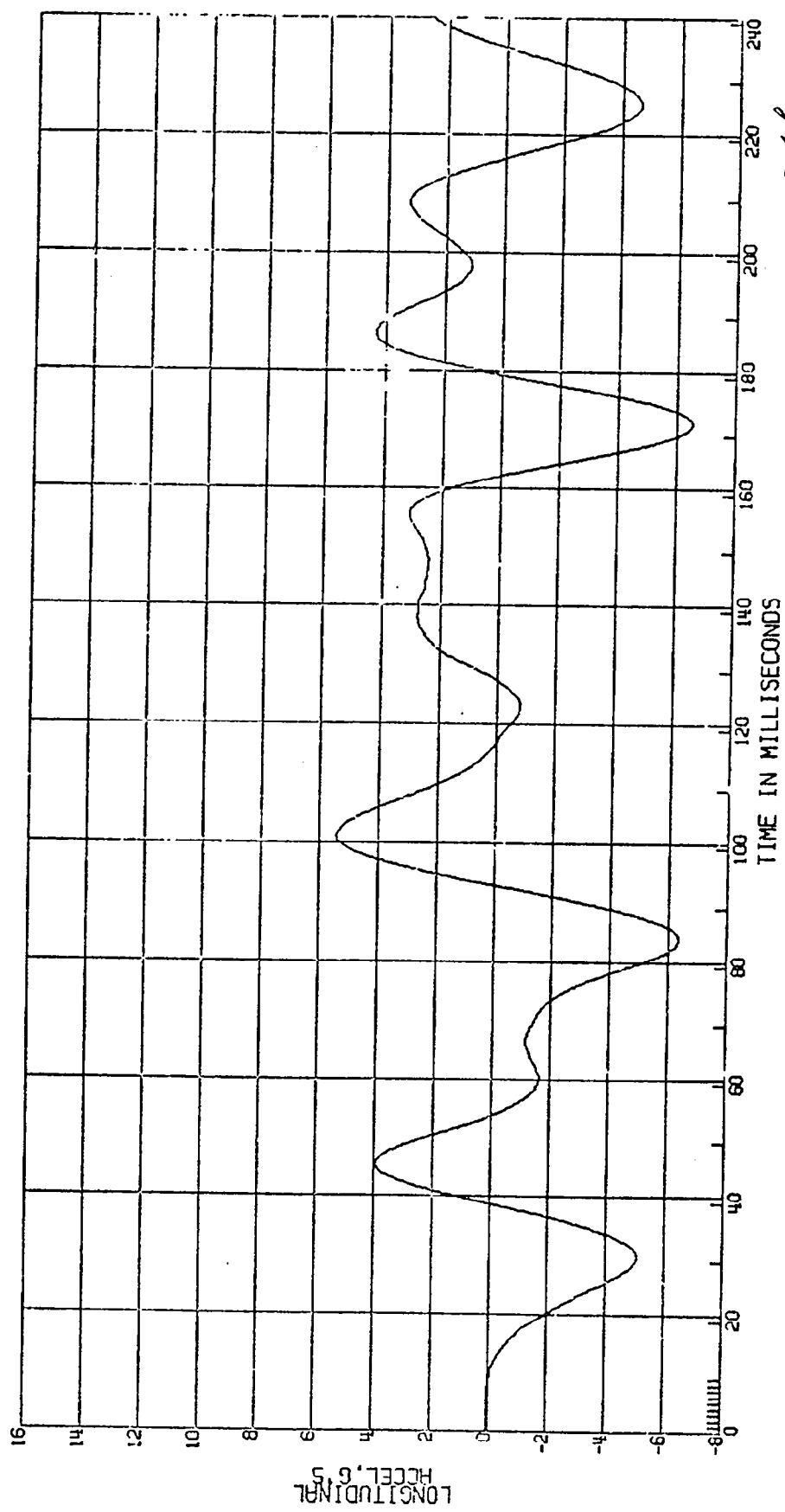
VELOCITY
FISH 1000Y 00457 5.577 STRUCK
A-D DATA ARE CLASS 10



RELEASED BY: *DAF*

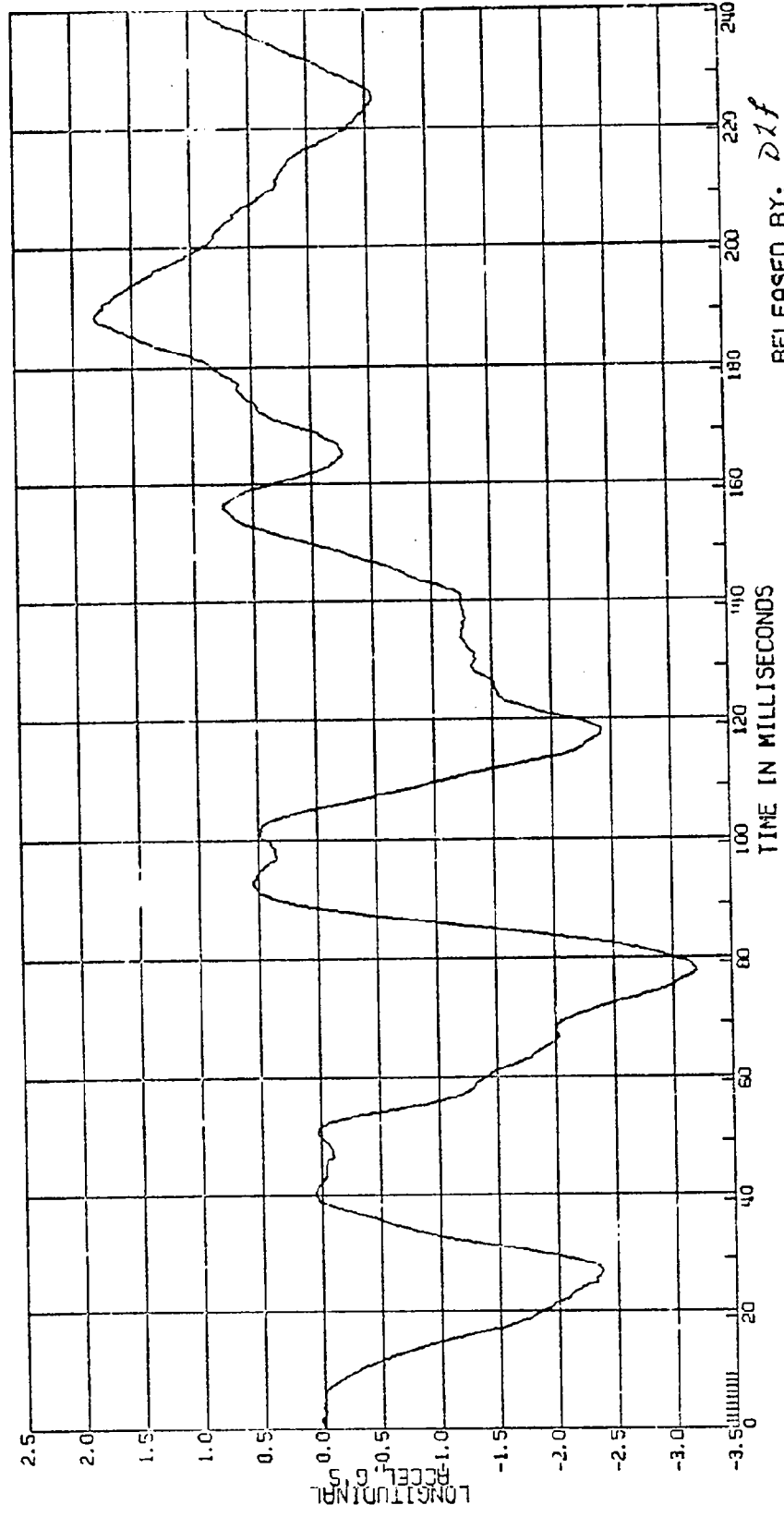
75 PROCESSED 30 MAR 84 11:18

C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 60
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180
 TEST DATE: 03-29-84



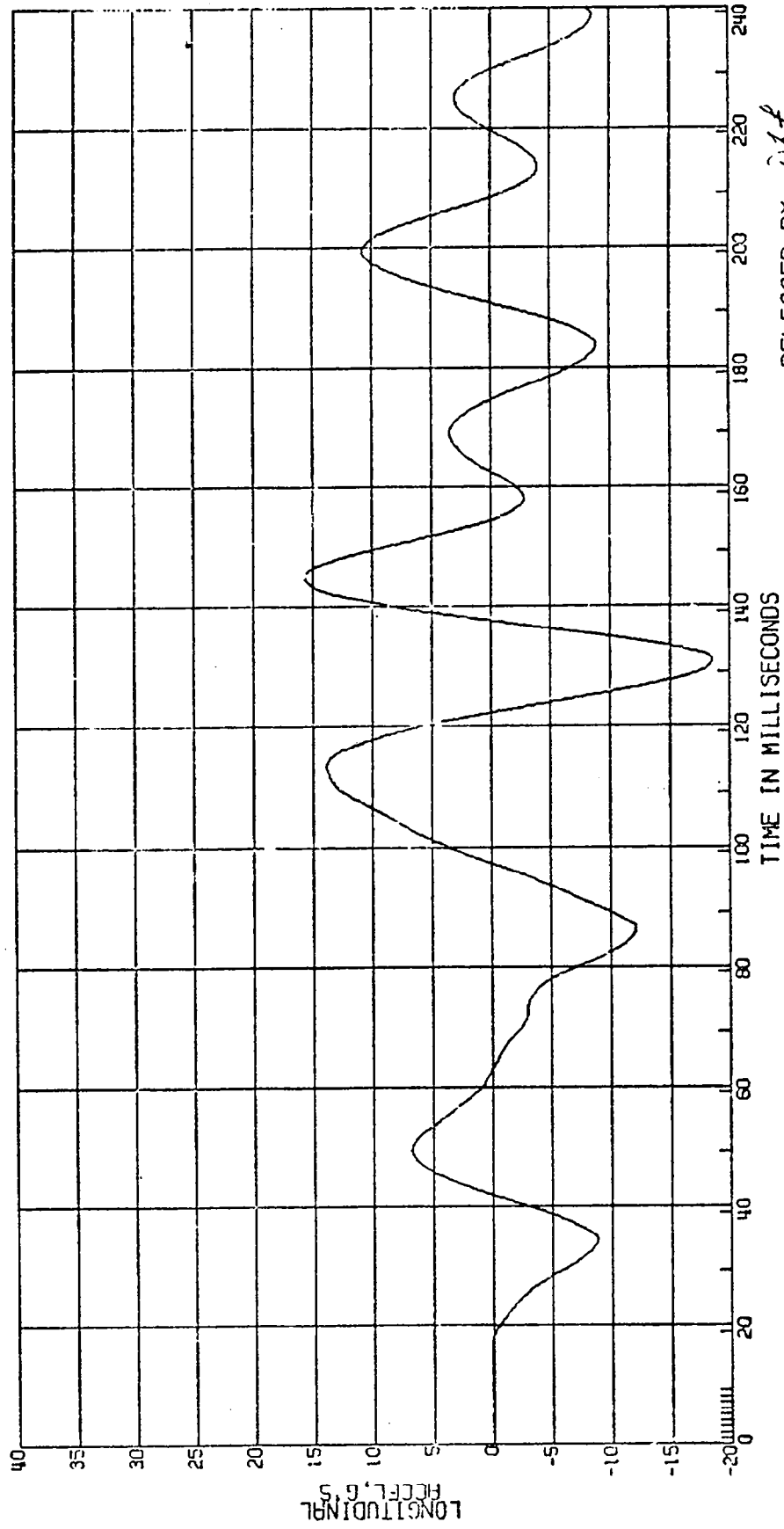
RELEASED BY: *DLF*
 52 PROCESSED 30 MAR 84 11:10

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 47
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 120
 STRUCK VEH KINEMATICS-AX1 ACCEL.
 TEST DATE: 03-29-84



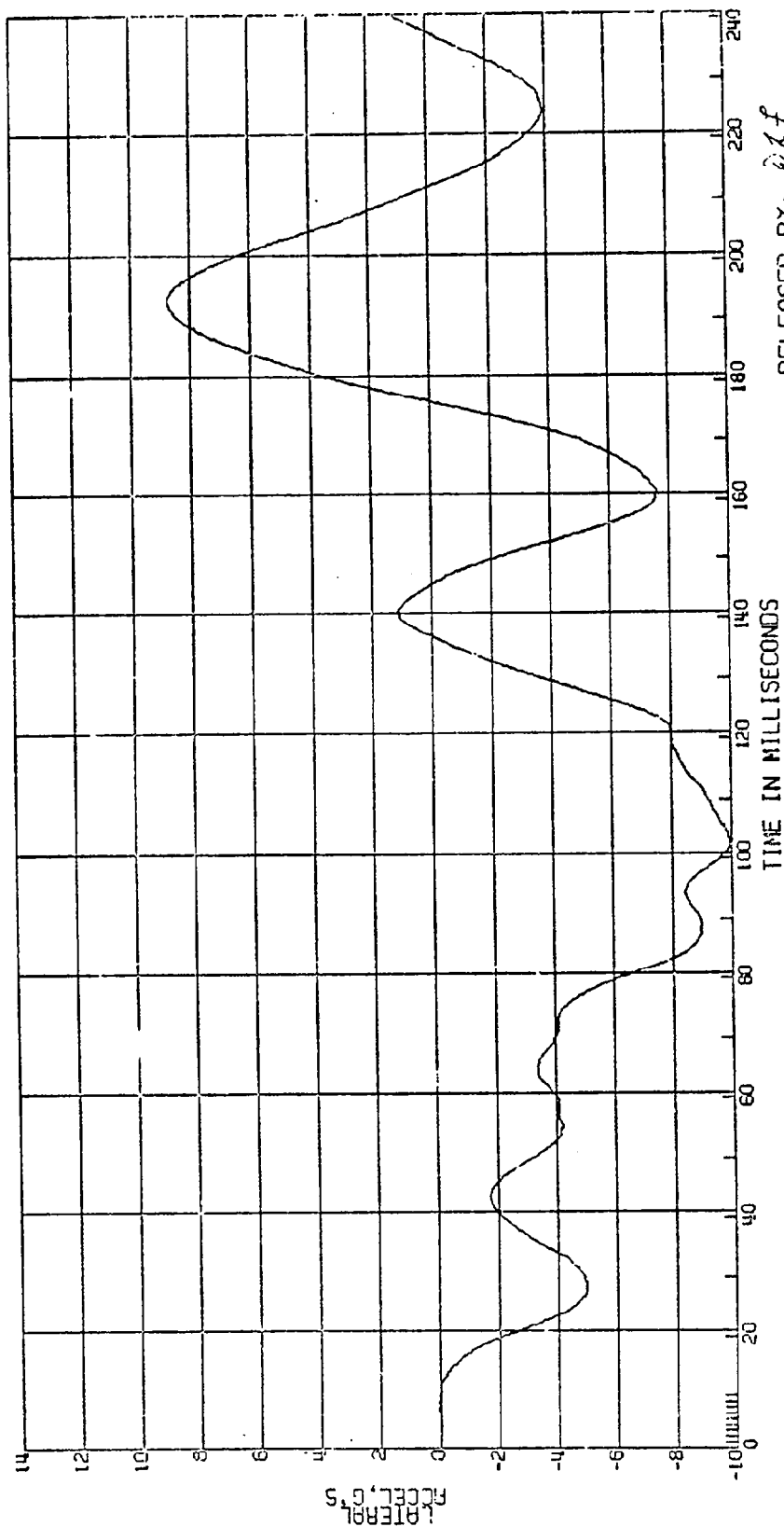
RELEASED BY: *D1f*
 53 PROCESSED 30 MAR 84 11:10

C5915E RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 62
 3805-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180 TEST DATE:03-29-84



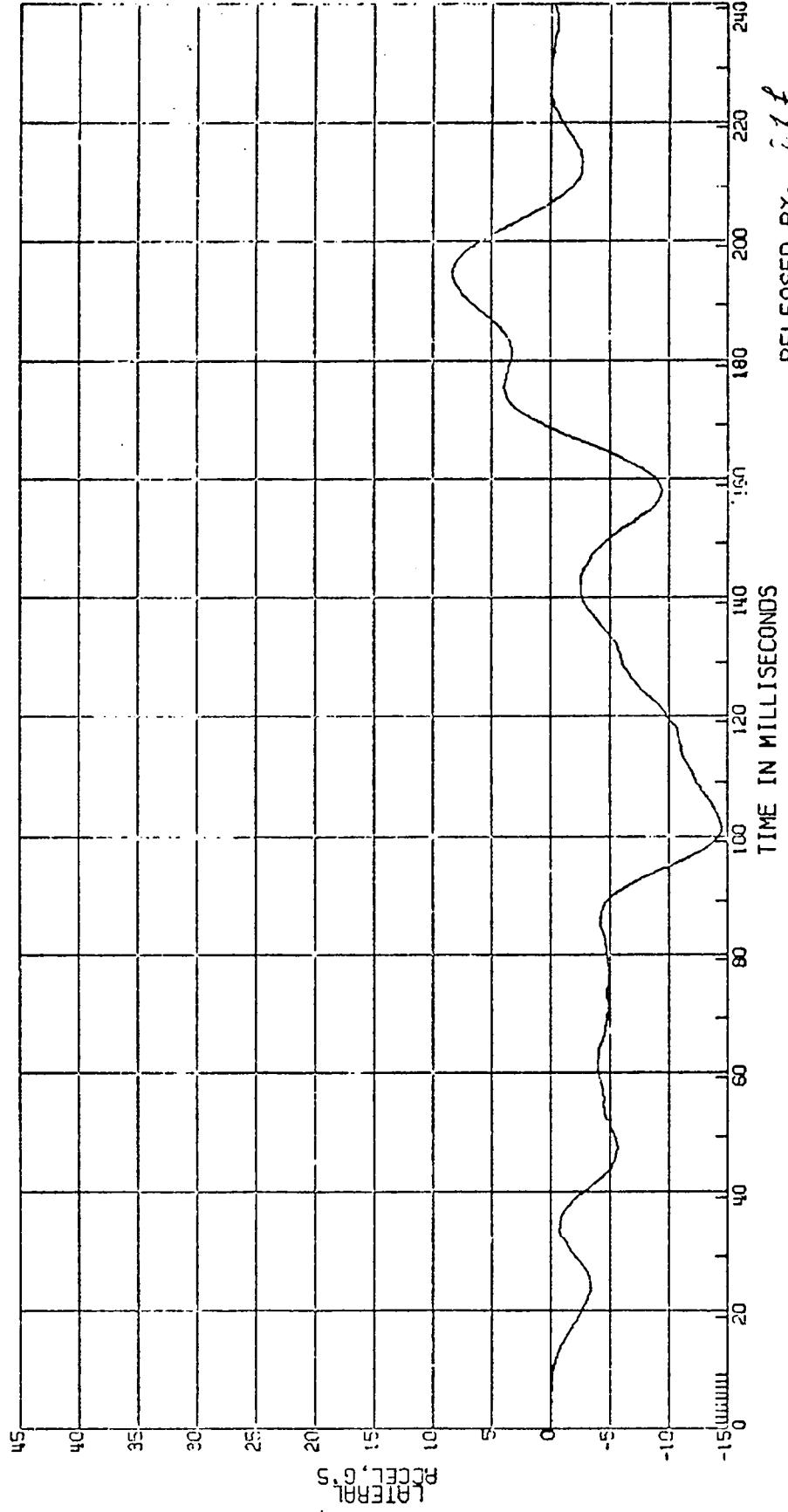
RELEASED BY: *WLF*
 54 PROCESSED 30 MAR 84 11:10

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 63
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180
 STRUCK VEH KINEMATICS-AYO ACCEL.
 TEST DATE: 03-29-84



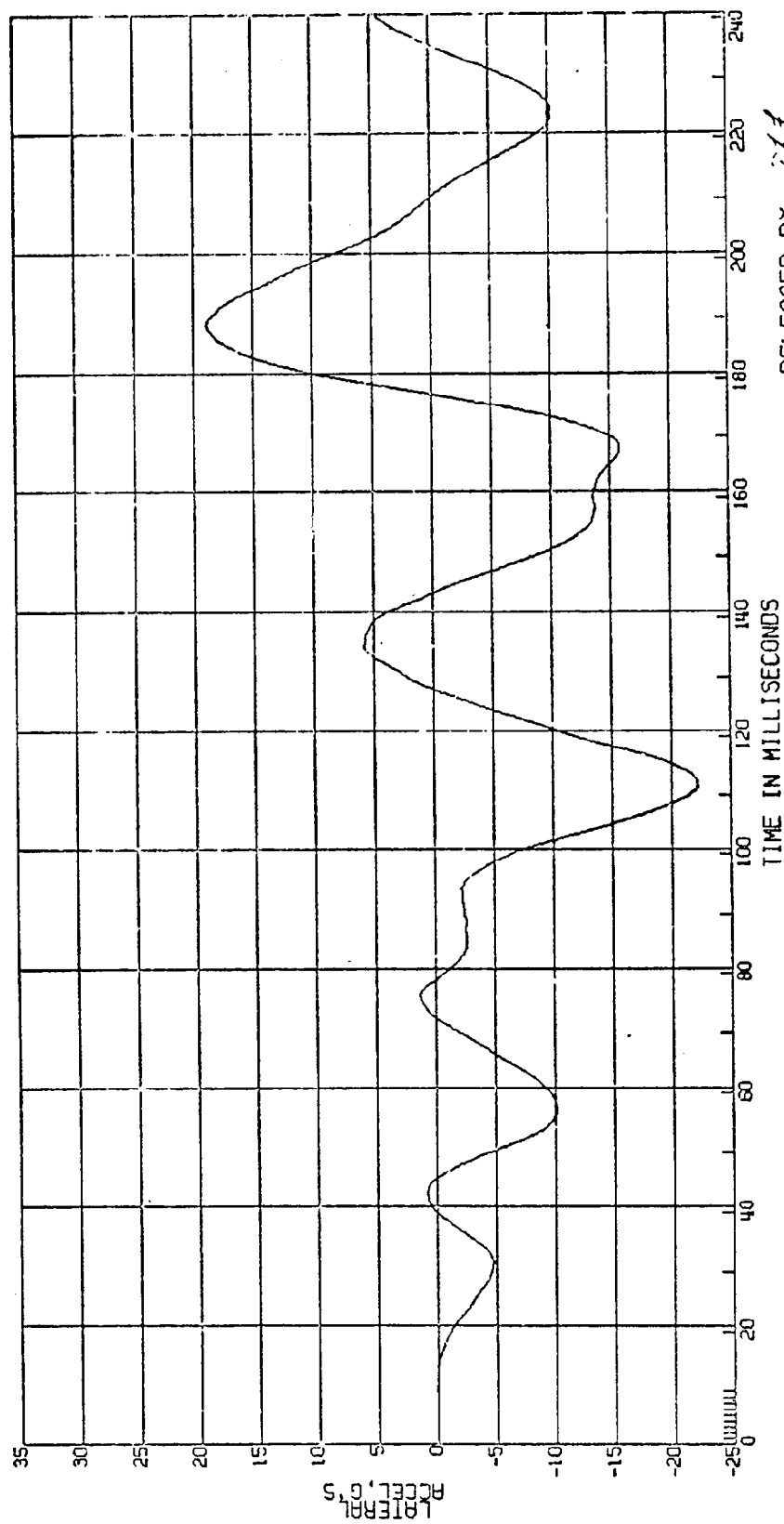
RELEASED BY: *01f*
 55 PROCESSED 30 MAR 84 11:10

C5915B AT SIDE IMP-G0DEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 17
3865-337
FISHER BODY NHTSA BARR. STRIKE STRUCK VEH KINEMATICS-AY2 ACCEL.
R-0 DATA SAE CLASS 180 TEST DATE:03-29-84



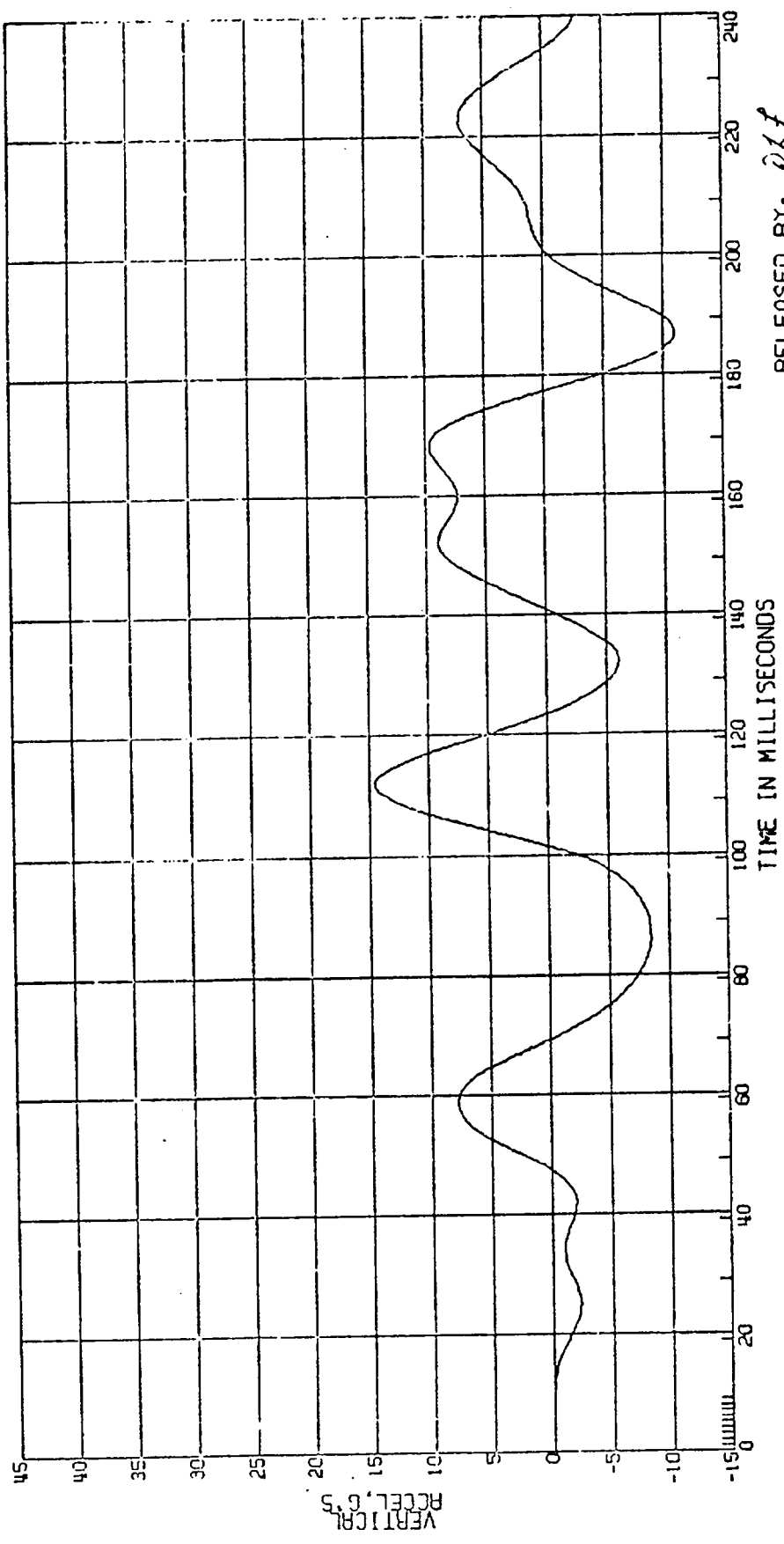
RELEASED BY: *ELF*
56 PROCESSED 30 MAR 84 11:10

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 65
 3865-337
 FISHER BODY NHTSA BARR. STRIKE STRUCK VEH KINEMATICS-AY3 ACCEL. TEST DATE:03-28-84
 A-D DATA SAE CLASS 180



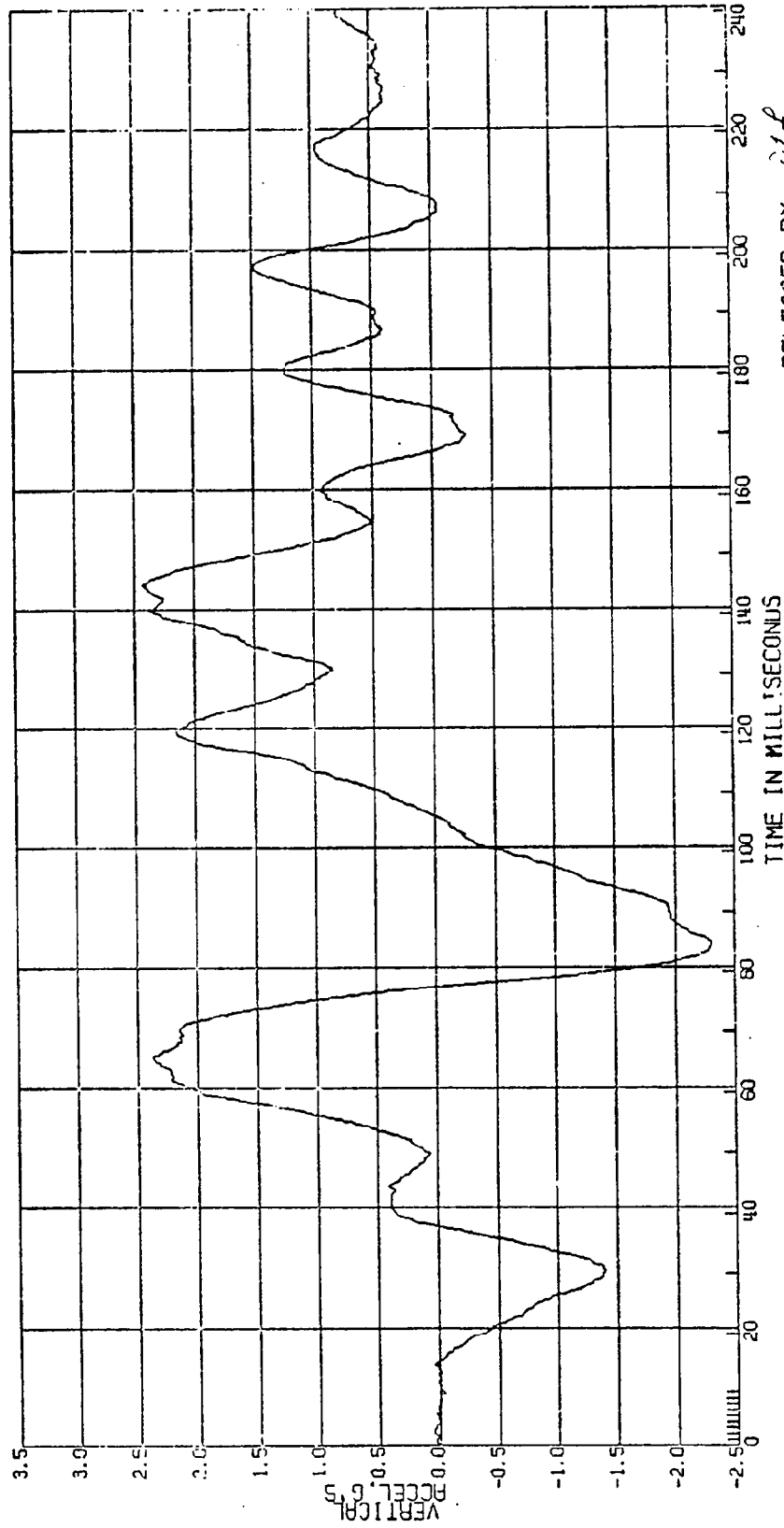
RELEASED BY: 213
 57 PROCESSED 30 MAR 84 11:10

C5915B RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 46
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180 TEST DATE: 03-29-84



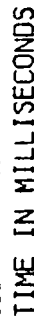
RELEASED BY: *DLF*
 58 PROCESSED 30 MAR 84 11:10

0000-007
 FISHBAY BODY NHTSA BARR. STRIKE
 9-D DATA SAE CLASS 18G
 MOVING VEHICLE TO STATIONED VEHICLE 59.14X/1.5 FLOOR 67
 STRUCK VEH KINEMATICS-AZ1 ACCEL.
 TEST DATE: 09-15-84



RELEASED BY: *akf*
 59 PROCESSED 30 MAR 84 11:10

NOT USED IF NOTED BELOW



GO PROCESSED 30 MAR 84 11:10

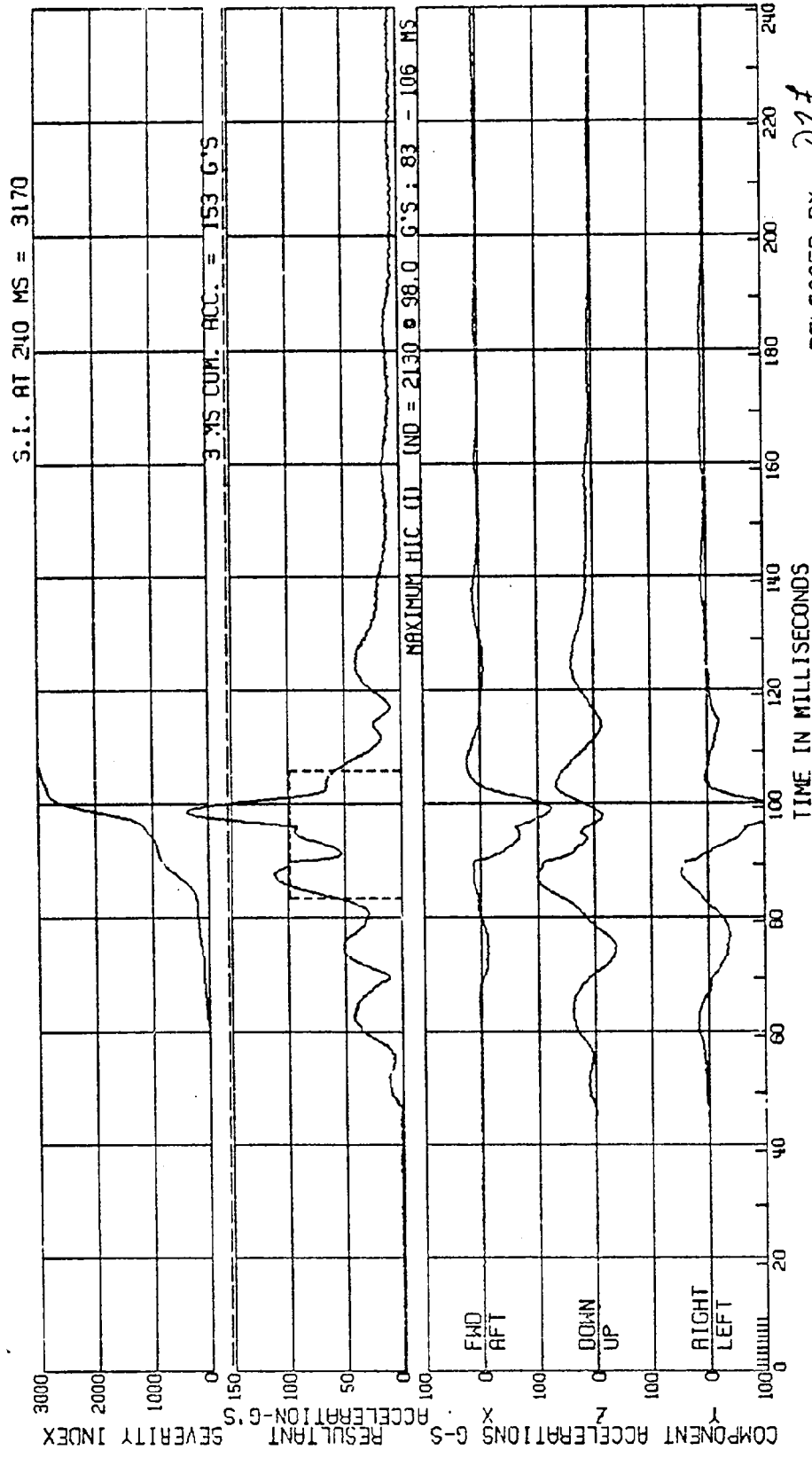
C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 69

3865-337

FRONT BODY CC457 3JC77 STRUCK R FRT HEAD ACCEL. GM50SI

TEST DATE: 03-29-84

raw DATA



RELEASED BY: *227*

4 PROCESSED 30 MAR 84 11:10

70

MOVING VEHICLE TO ROAD VERMONT

AT 3:28 PM-0000000000

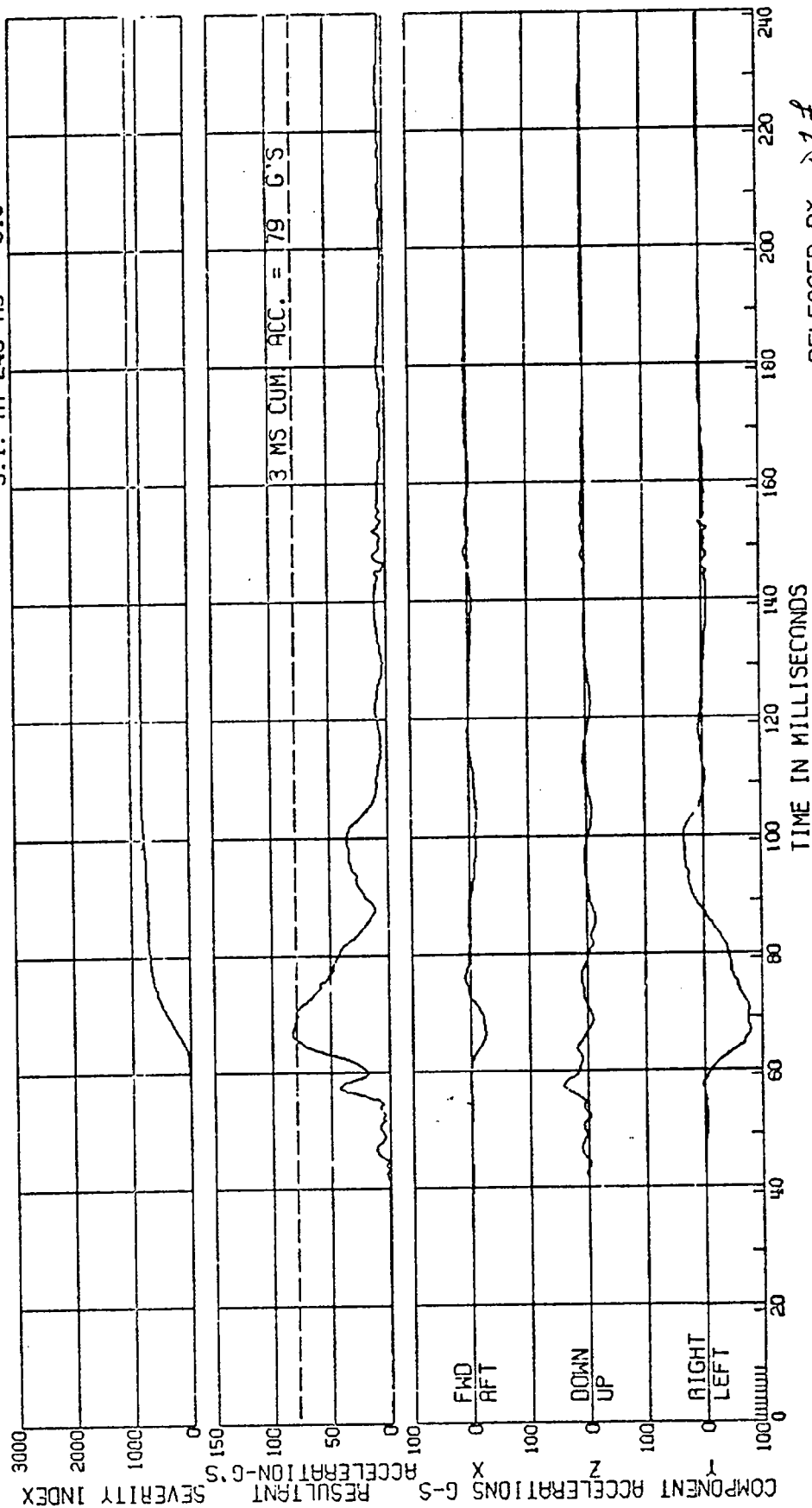
TEST DATE: 03-29-04

IN FAT CHEST ACCEL. 0M5000

FLIGHT BODY 00457 3JC77 STRUCK

A-C DATE SAE CLASS 180

S.I. AT 240 MS = 810

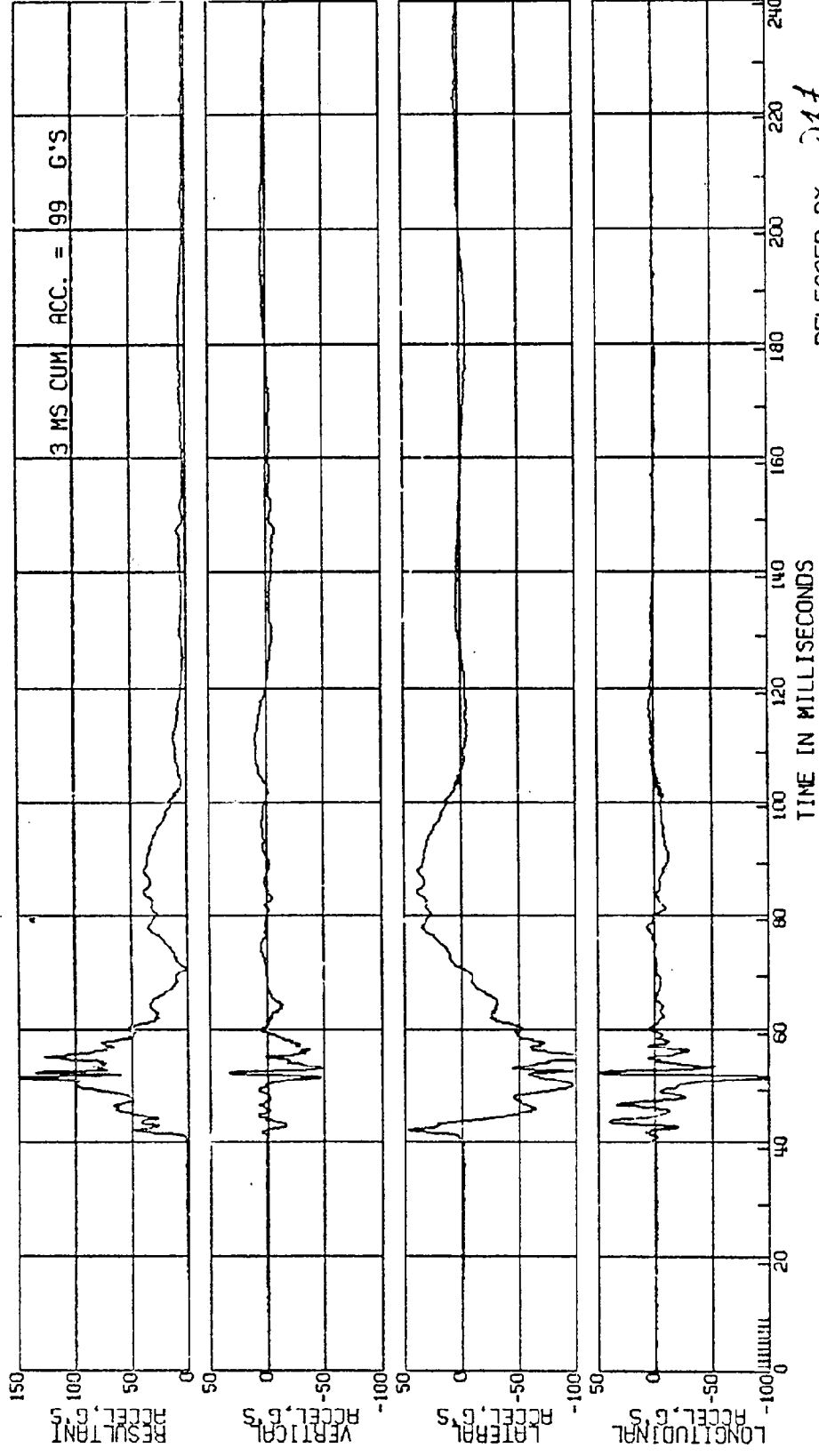


TIME IN MILLISECONDS

RELEASED BY: *DLF*

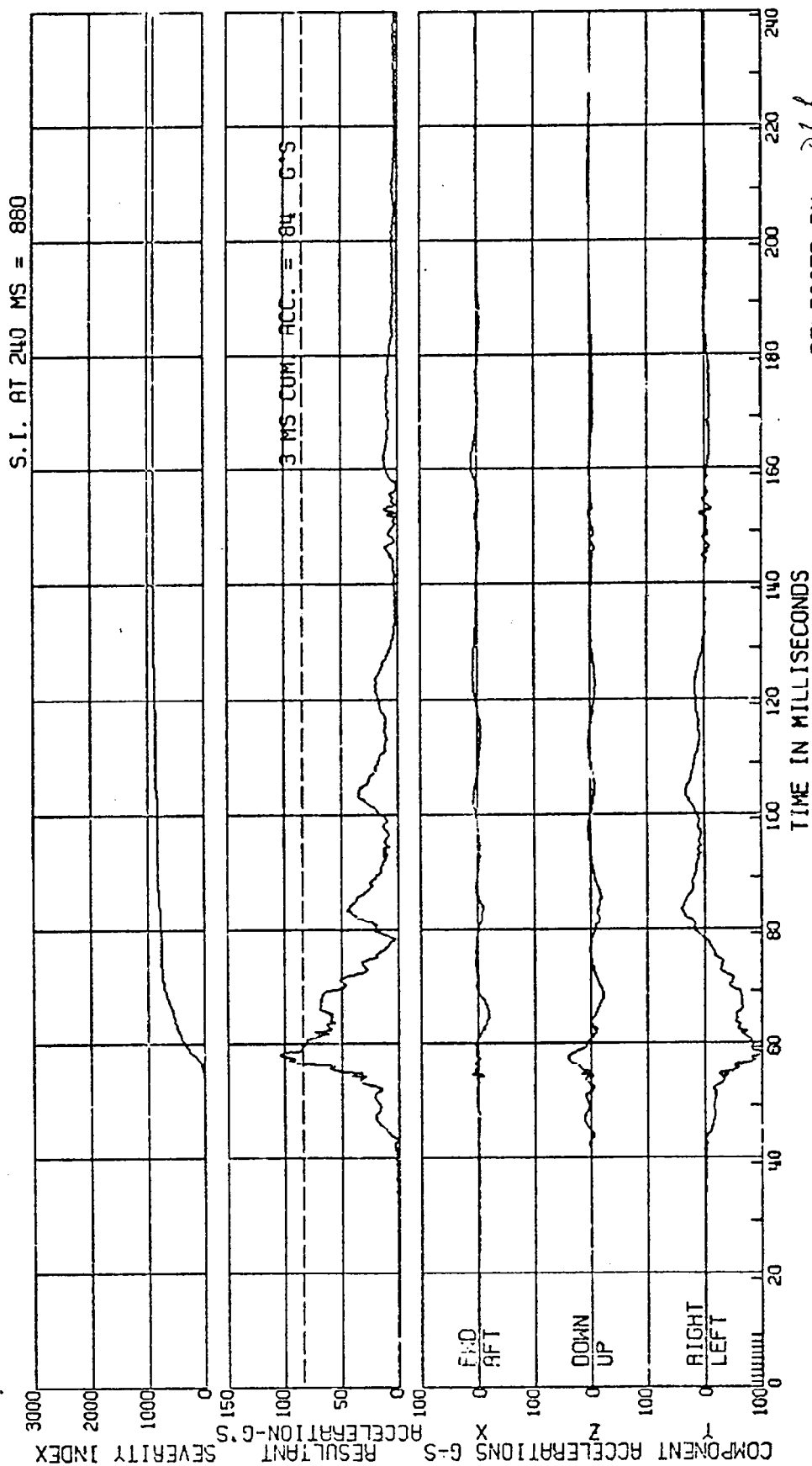
6 PROCESSED 30 MAR 84 11:10

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 7/
 3865-337
 FISHER BODY CO457 3JC77 STRUCK R FRT PELVIC ACCEL. GM50SI
 A-D DATE SAE CLASS 600 TEST DATE: 03-29-84



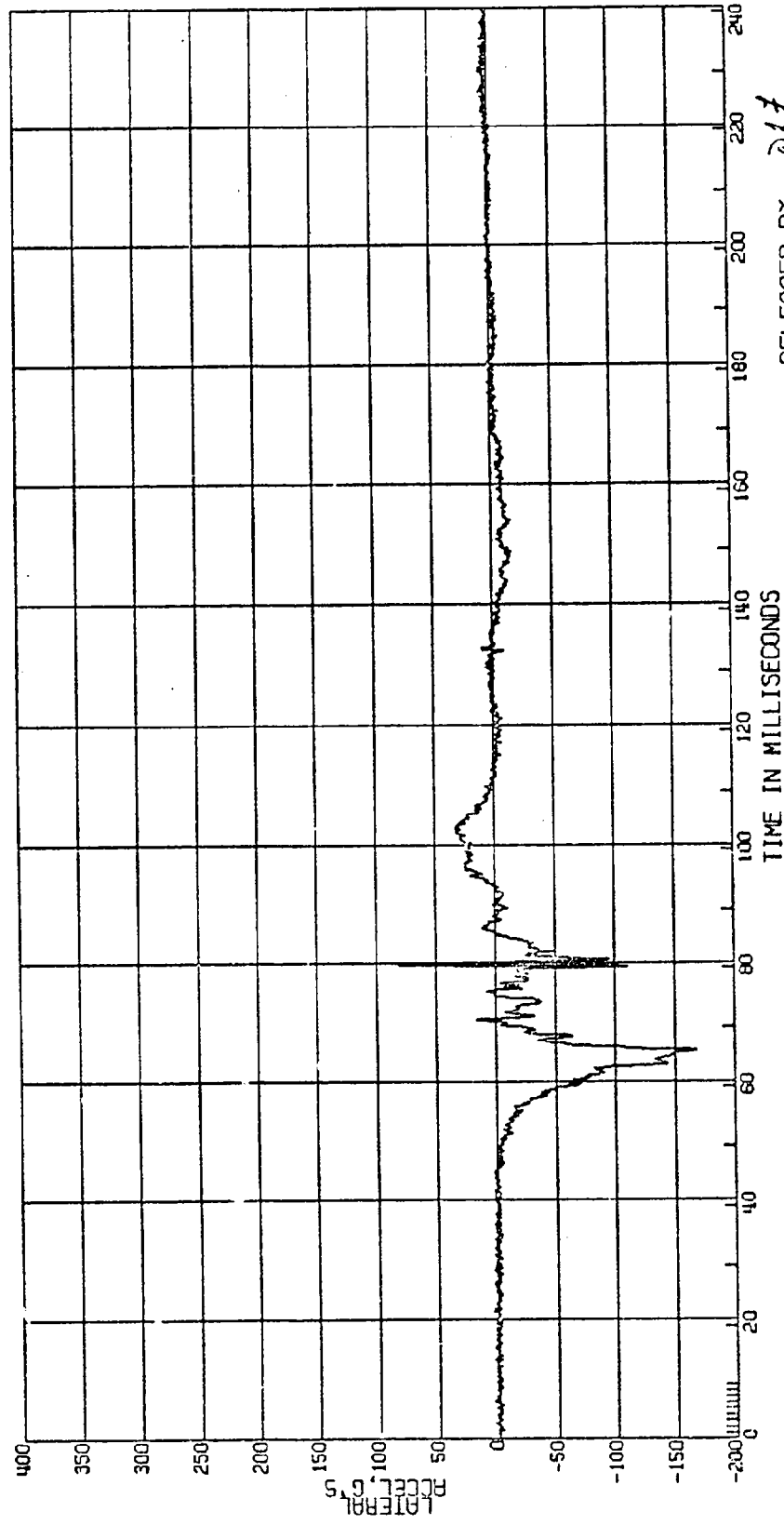
RELEASED BY: *DAF*
 8 PROCESSED 30 MAR 84 11:11

C5915A RT SIDE IMP-50DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 72
 3865-337
 FISHER BODY CC457 3JC77 STRUCK R FRT LOWER SPINE ACCEL. GM50SI
 A-D DATA TEST DATE: 03-25-84



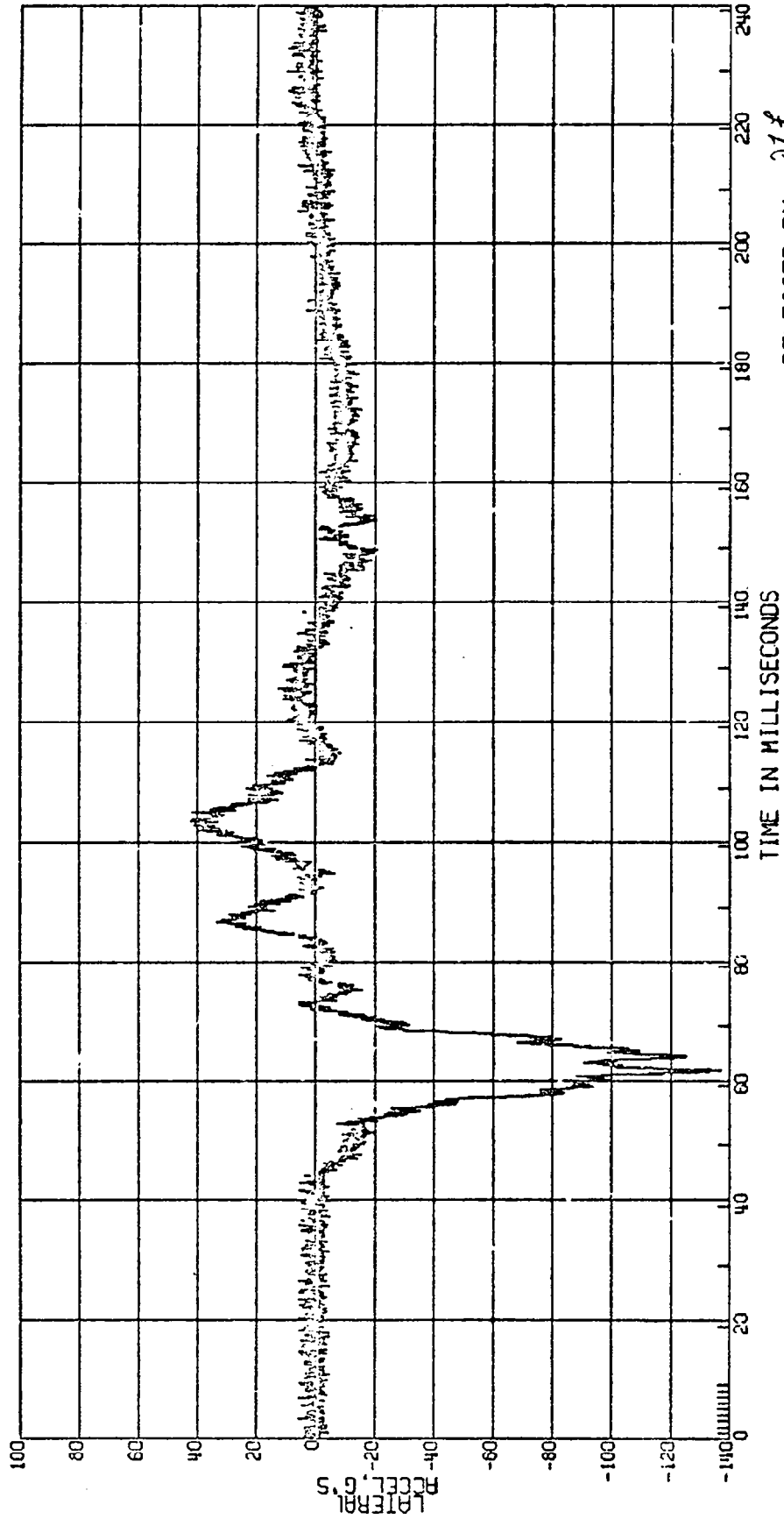
RELEASED BY: *PLJ*
 13 PROCESSED 30 MAR 84 11:11

C5915A RT SIDE IMP-GODEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 73
 3865-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA
 R FRT RIGHT UPPER RIB ACCEL. GM50SI
 TEST DATE: 03-29-84



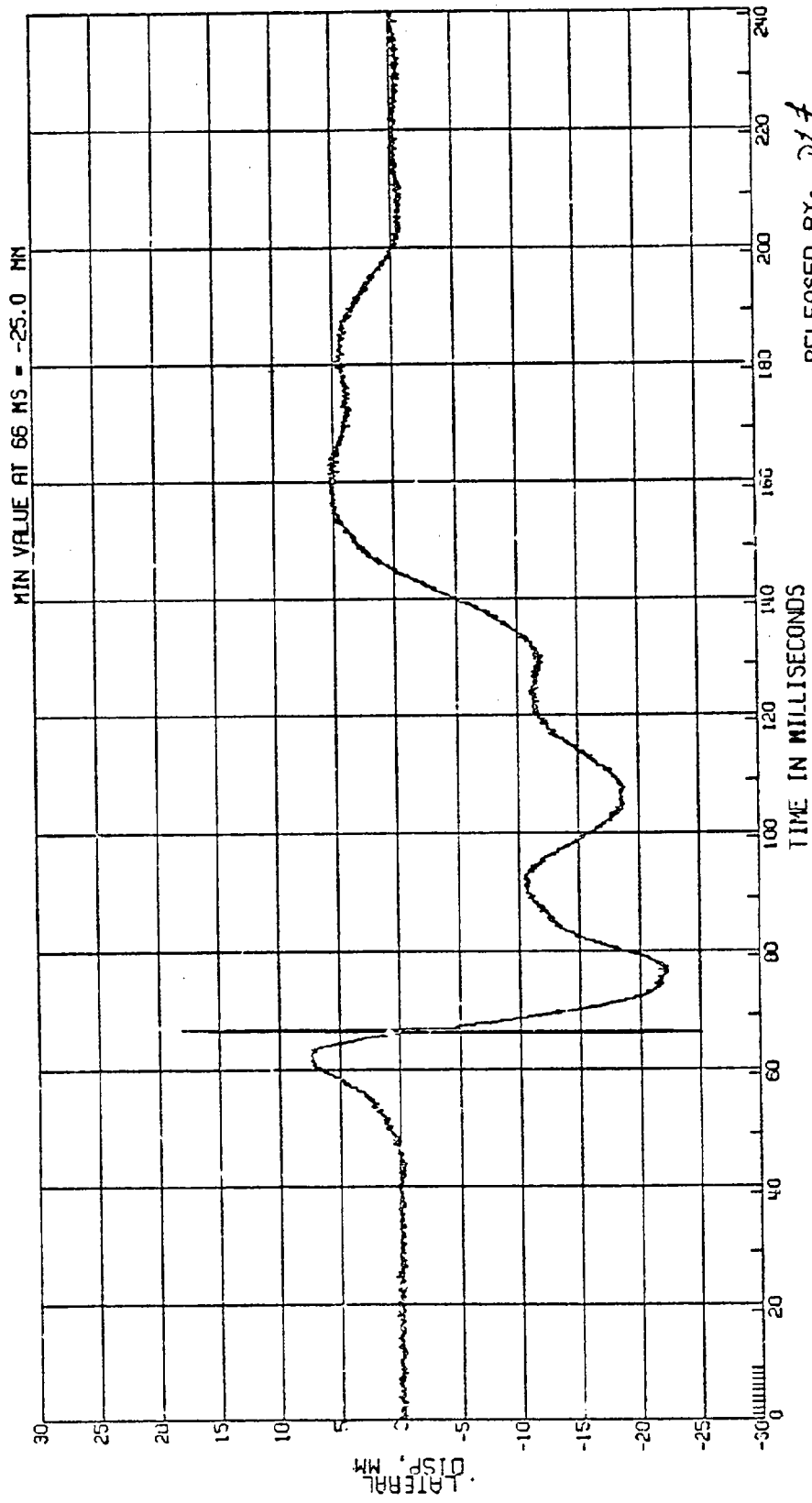
RELEASED BY: *DLT*
 11 - PROCESSED 30 MAR 84 11:11

C5915A RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 74
 3865-337
 FISHER BODY CC457 3JC77 STRUCK R FRT RIGHT LOWER RIB ACCEL. GM50SI
 A-D DATA TEST DATE: 03-29-84



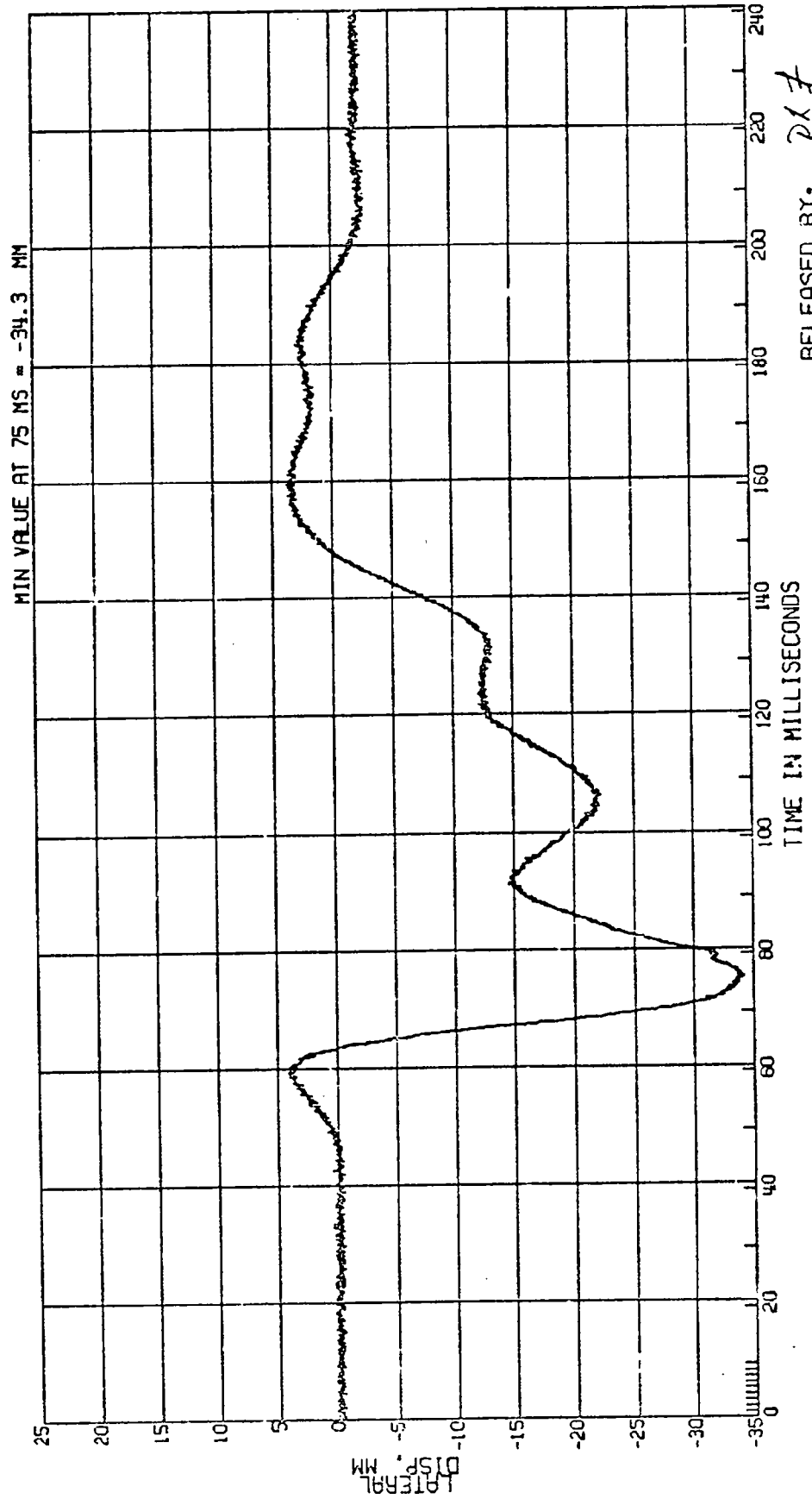
RELEASED BY: *21f*
 12 PROCESSED 30 MAR 84 11:11

C59154 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 75
 3865-337
 FISHER BODY CC457 3JC77 STRAICK R FRT RIGHT UPPER RIB DISP. GM50SI TEST DATE:03-29-84
 A-D DATA



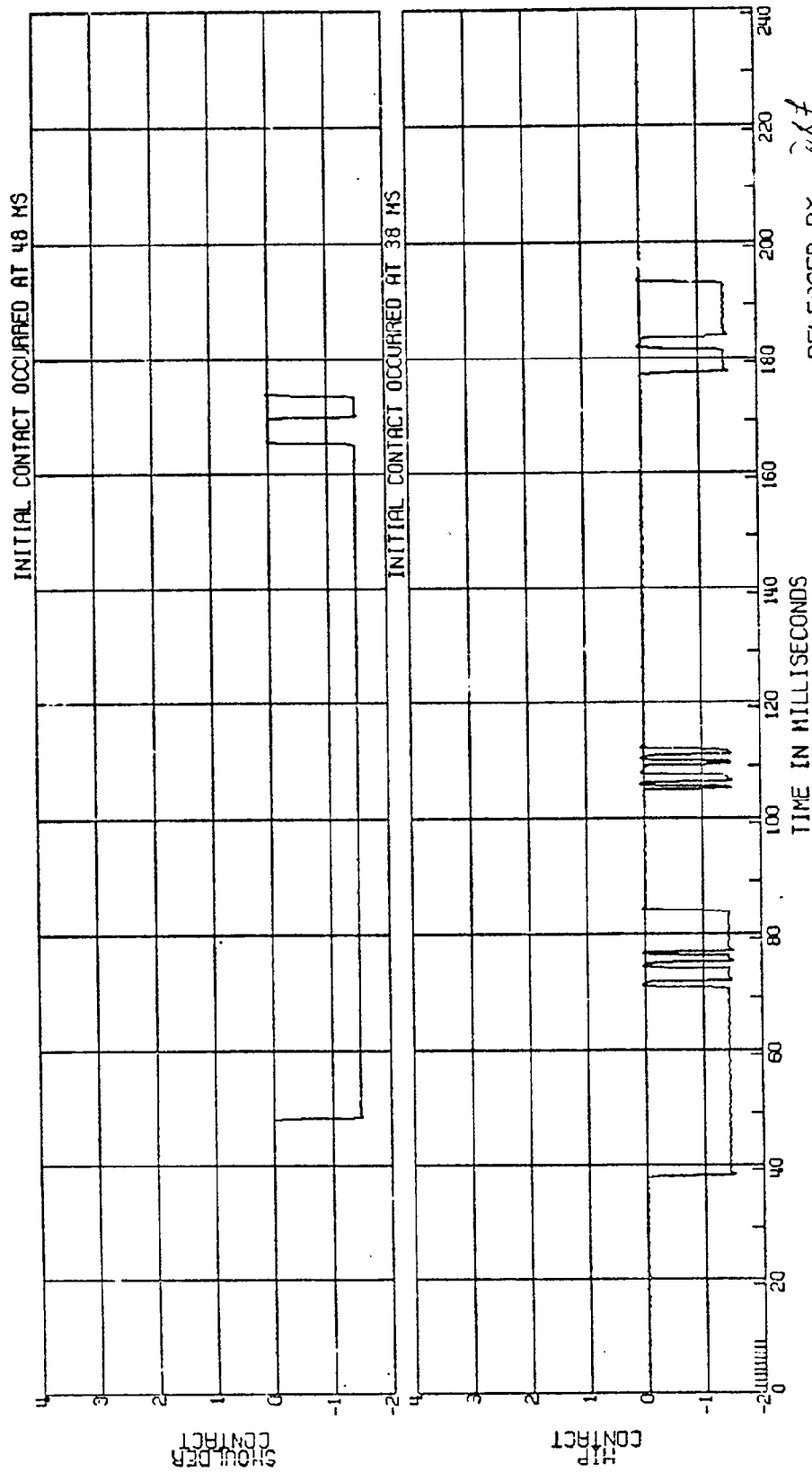
RELEASED BY: *DLF*
 9 PROCESSED 30 MAR 84 11:11

C5915A AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 76
 3865-337
 FISHER BODY CC457 3JC77 STRUCK R FRT RIGHT LOWER RIB DISP. GM50SI
 A-D DATE TEST DATE:03-29-84



RELEASED BY: *DXF*
 10 PROCESSED 30 MAR 84 11:11

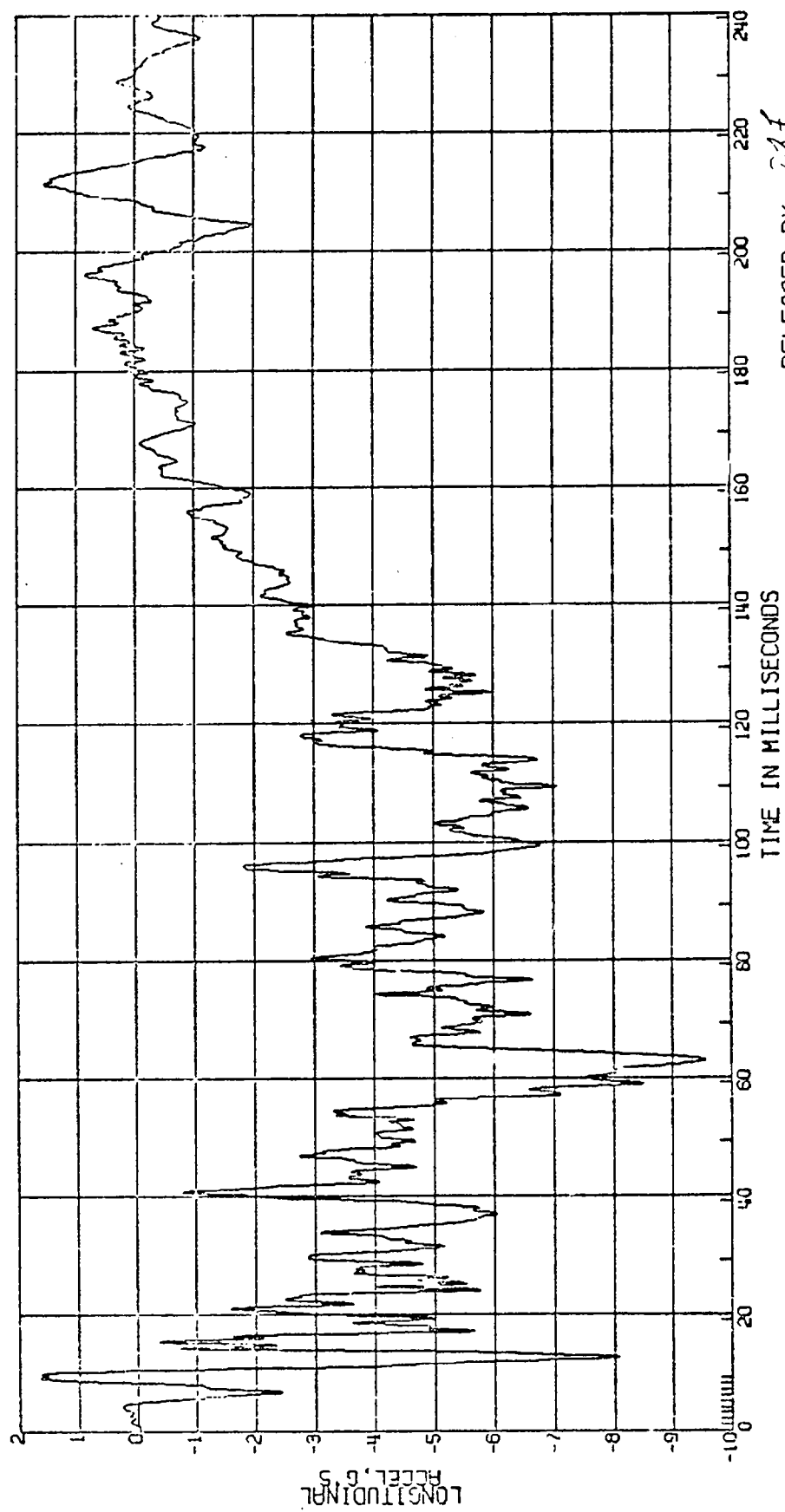
C5915A RT SIDE IMP-60DEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 77
 3965-337
 FISHER BODY CC457 3JC77 STRUCK
 A-D DATA
 LATERAL RT FRT DOOR CONTACT
 TEST DATE: 03-29-84



RELEASED BY: *dyf*
 79 PROCESSED 30 MAR 84 11:25

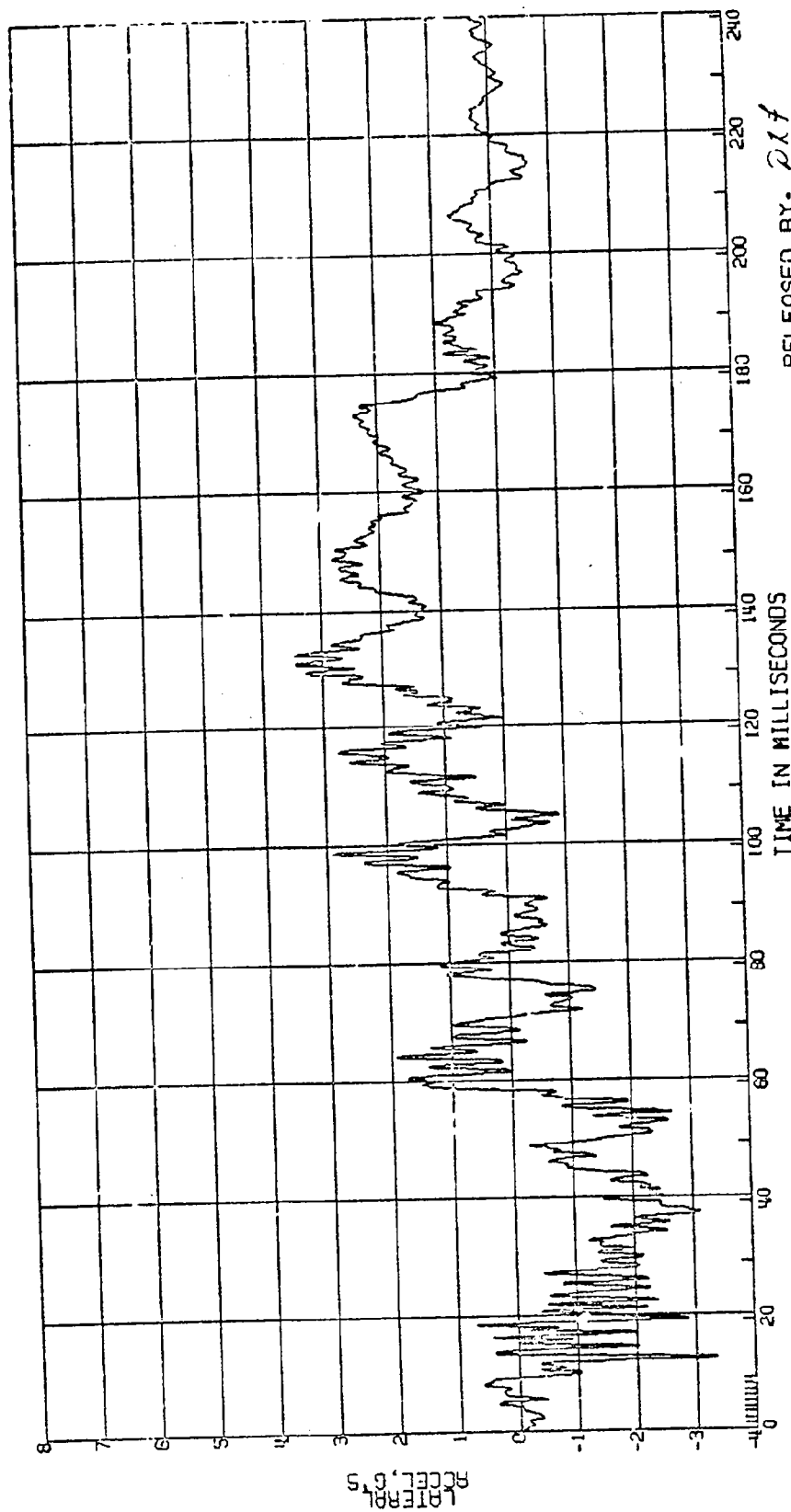
C5915B AT SIDE IMP-60DEG DIFF
3905-337
FISHED BODY NHTSA BARR. STRIKE
A-B DATA SAE CLASS 60

MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 78
DR-SIDE STRIKING BARR. FRONT ACCEL.
TEST DATE:03-23-64



RELEASED BY: *227*
1 PROCESSED 30 MAR 84 11:01

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 79
 3805-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 60
 DR-SIDE STRIKING BARR. FRONT ACCEL. TEST DATE: 03-29-84

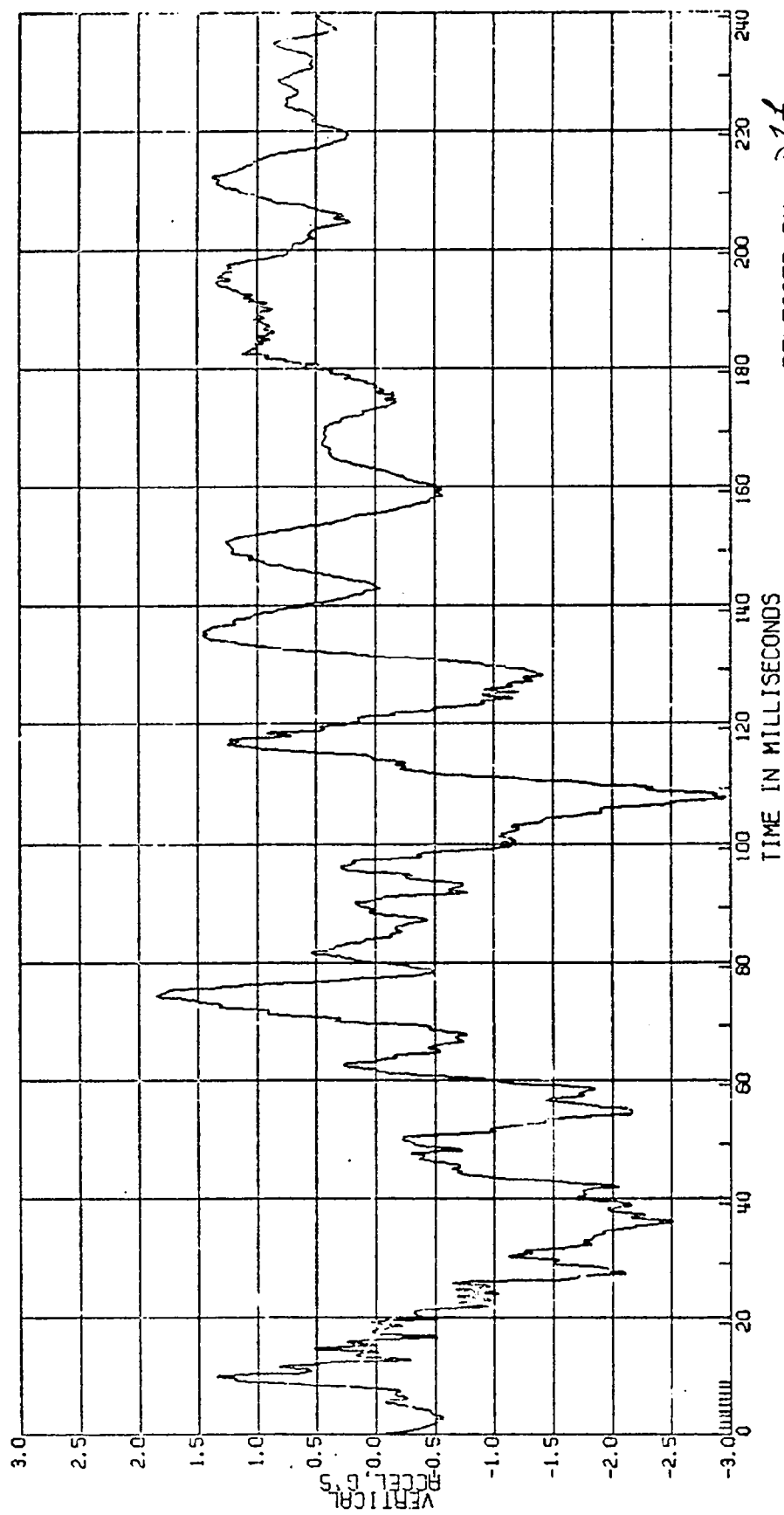


RELEASED BY: *D17*
 4 PROCESSED 30 MAR 84 11:02

C59158 AT SIDE IMP-GODEG DIFF
3865-337
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 60

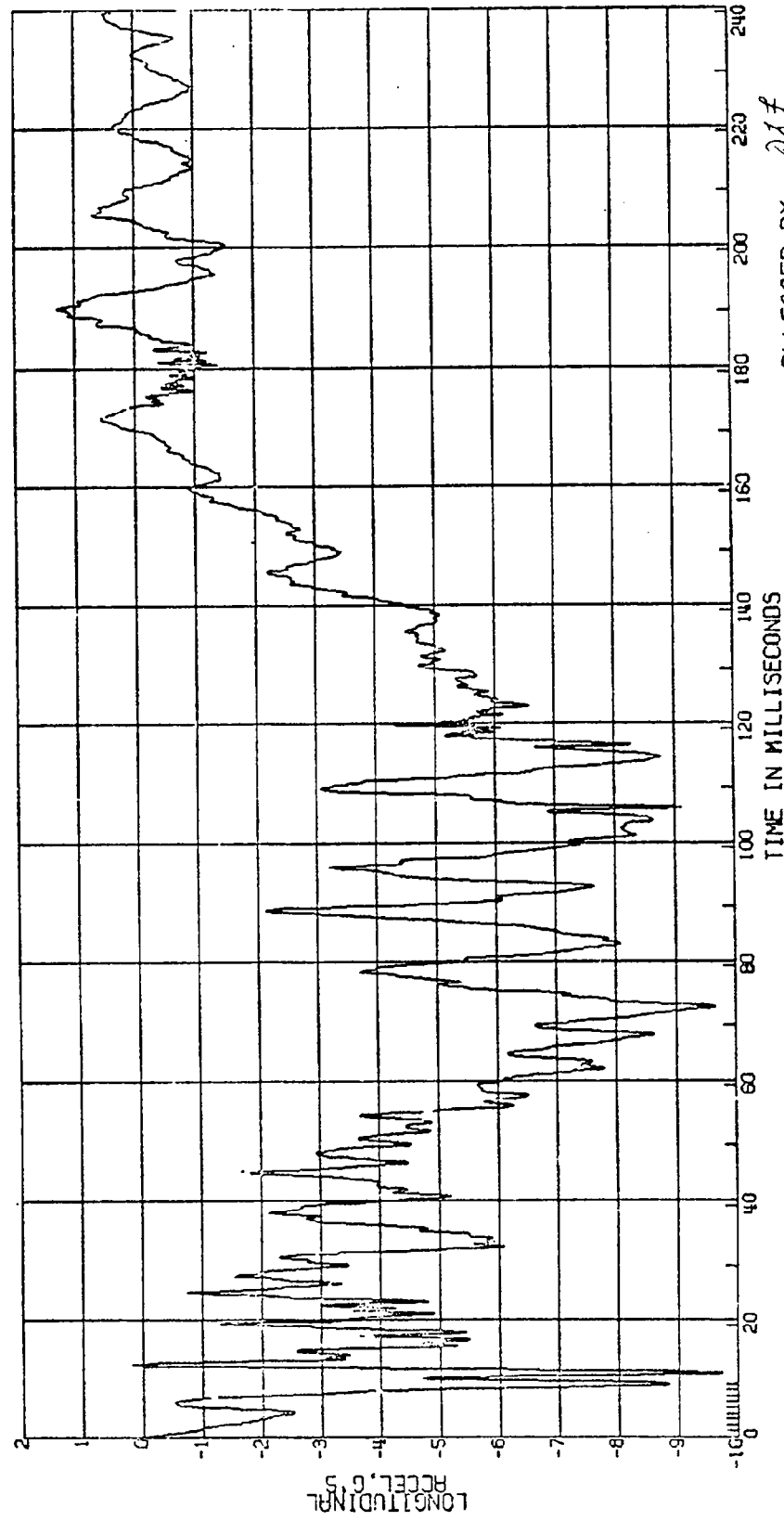
MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 8°
DR-SIDE STRIKING BARR. FRONT ACCEL.

TEST DATE: 03-23-84



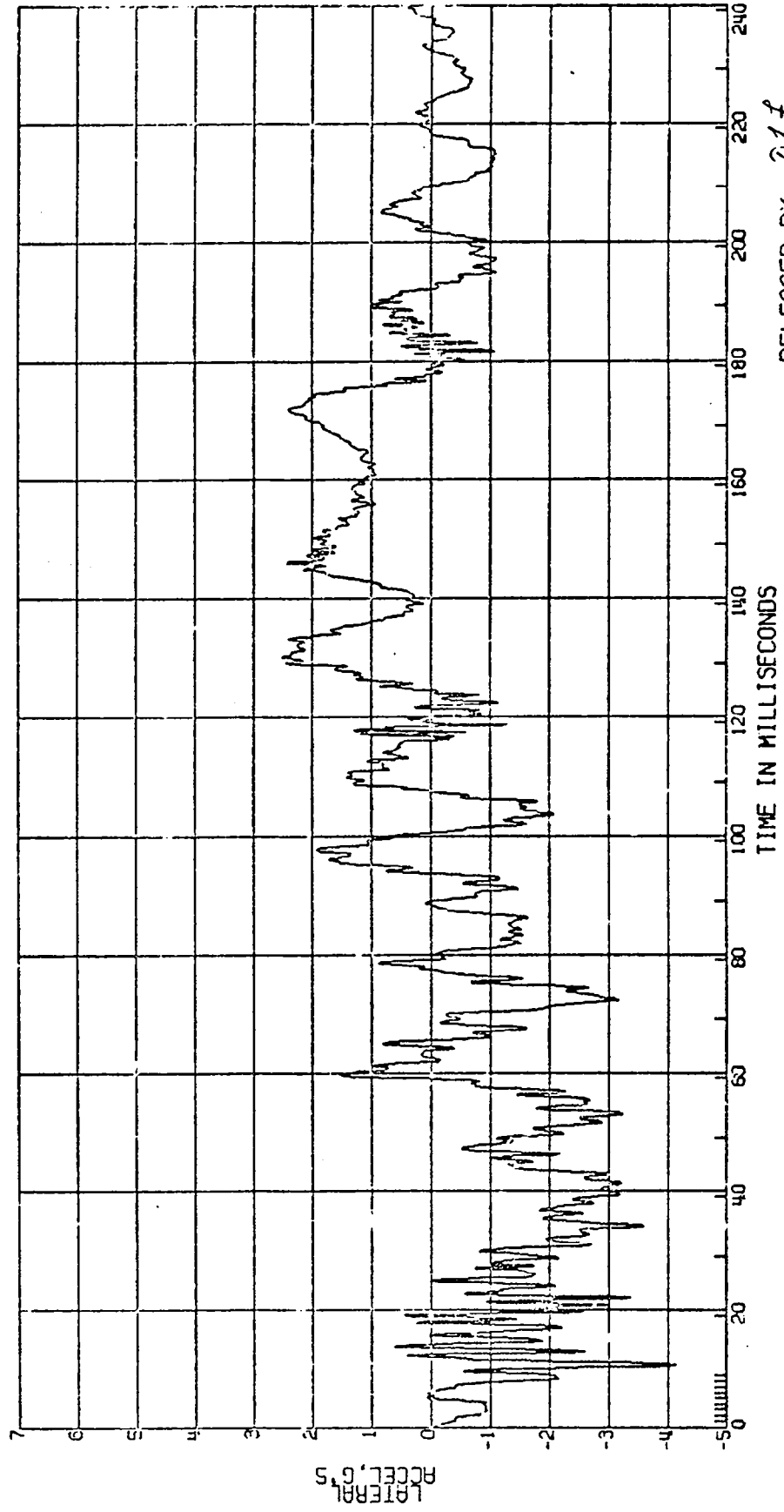
RELEASED BY: *DLF*
7 PROCESSED 30 MAR 84 11:02

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 8/
 3865-337
 FISHER BOUT NHTSA BARR. STRIKE
 A-D DATA SAE CLASS CC TEST DATE:03-29-84



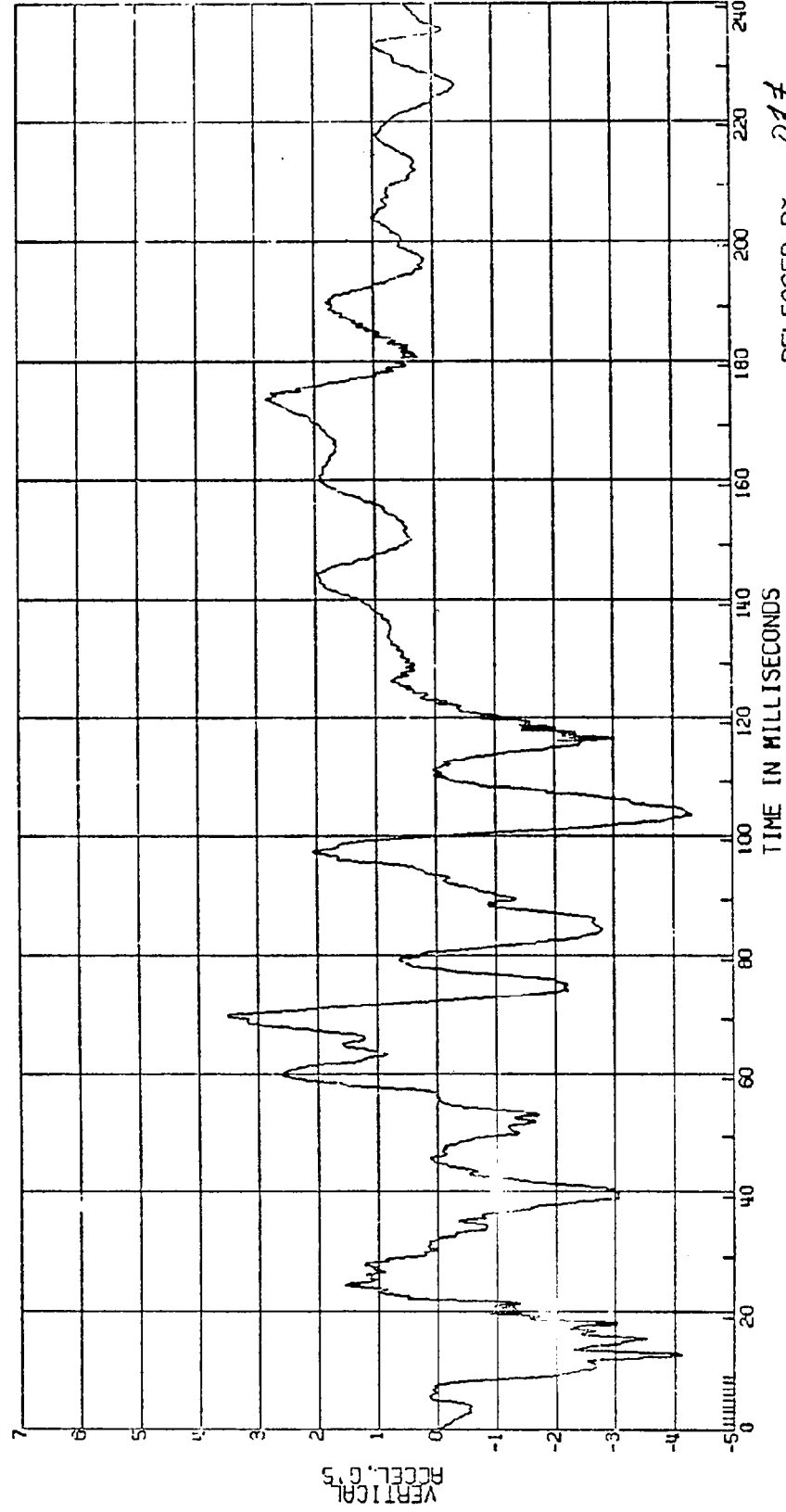
RELEASED BY: *217*
 10 PROCESSED 30 MAR 84 11:03

CS915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 82
3865-337
FISHER BODY NHTSA BARR. STRIKE PASS-SIDE STRIKING BARR. FRONT ACCFL. TEST DATE:03-29-84
A-D DATA SAE CLASS 60



RELEASED BY: 017
13 PROCESSED 30 MAR 84 11:04

C5915B AT SIDE IMP-GODEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 83
3865-337
FISHER BODY NHTSA BARR. STRIKE PASS-SIDE STRIKING BARR. FRONT ACCEL. TEST DATE:03-23-84
A-D DATA SAE CLASS 60

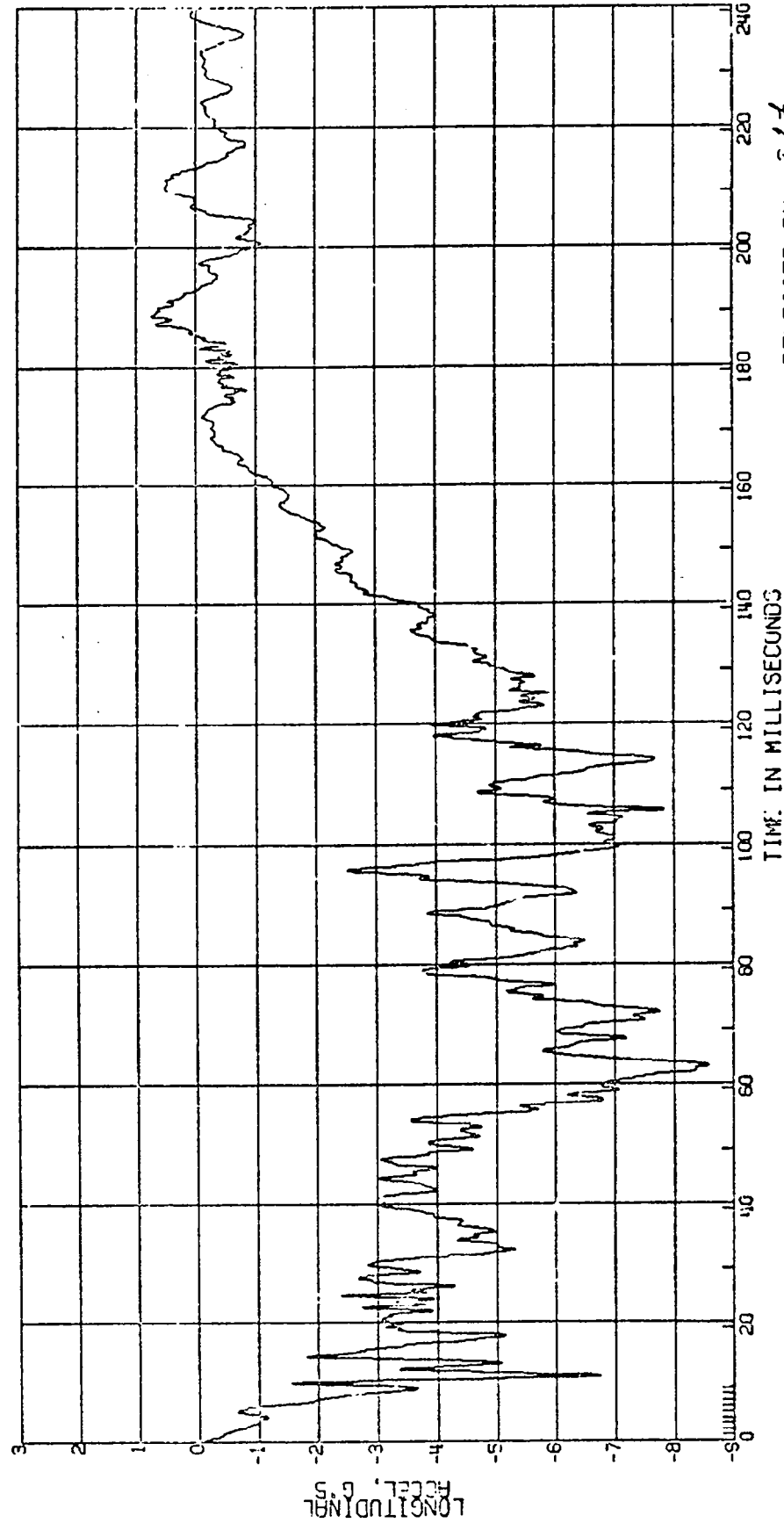


RELEASED BY: *DAF*
16 PROCESSED 30 MAR 84 11:04

C59158 AT SIDE IMP-60DEG DIFF
3865-337
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 60

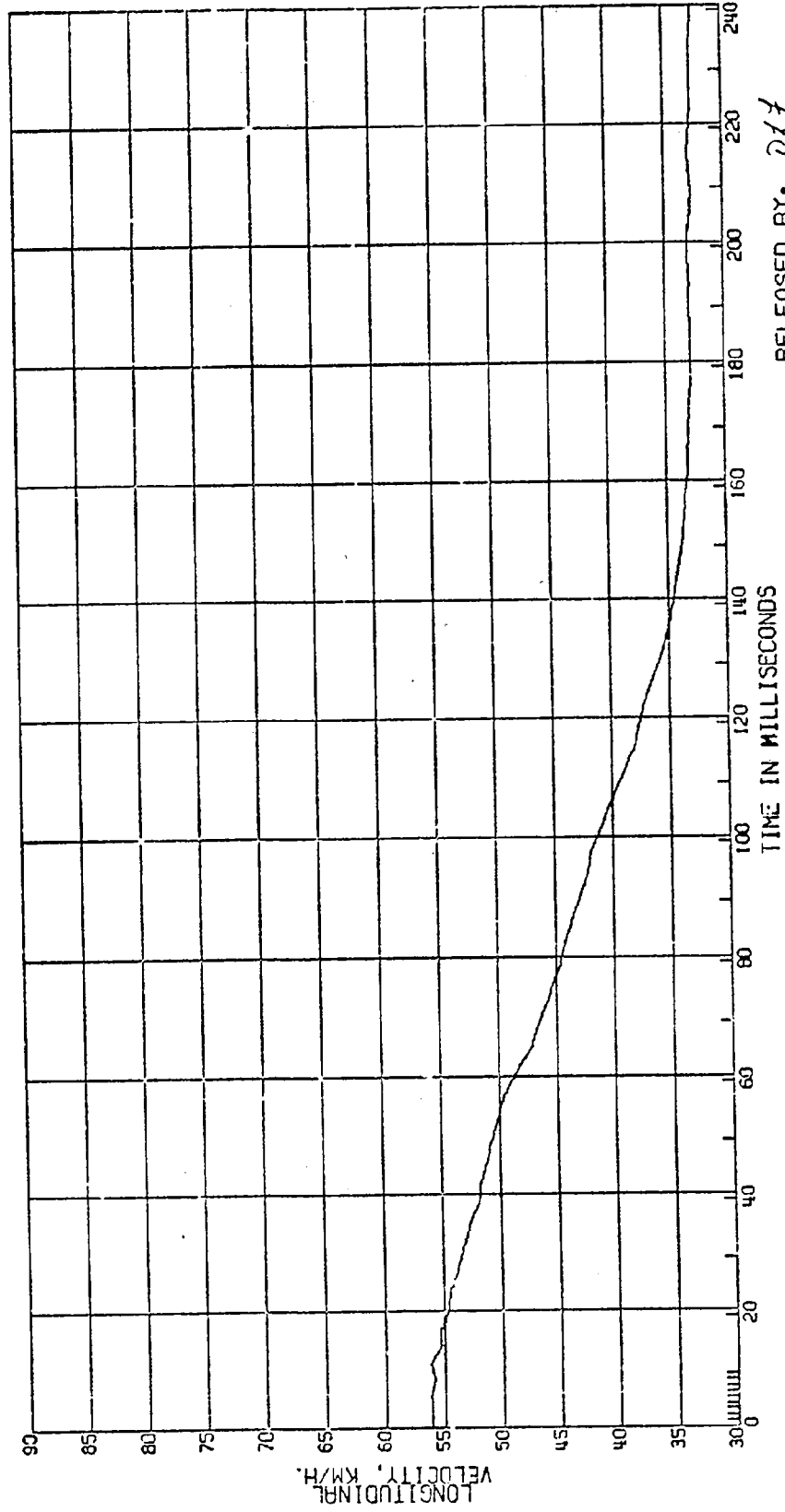
MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 84
AVERAGED DRIVER & PASSENGER SIDES
AVERAGED STRIKING BARR-FRONT ACCEL

TEST DATE: 03-29-84



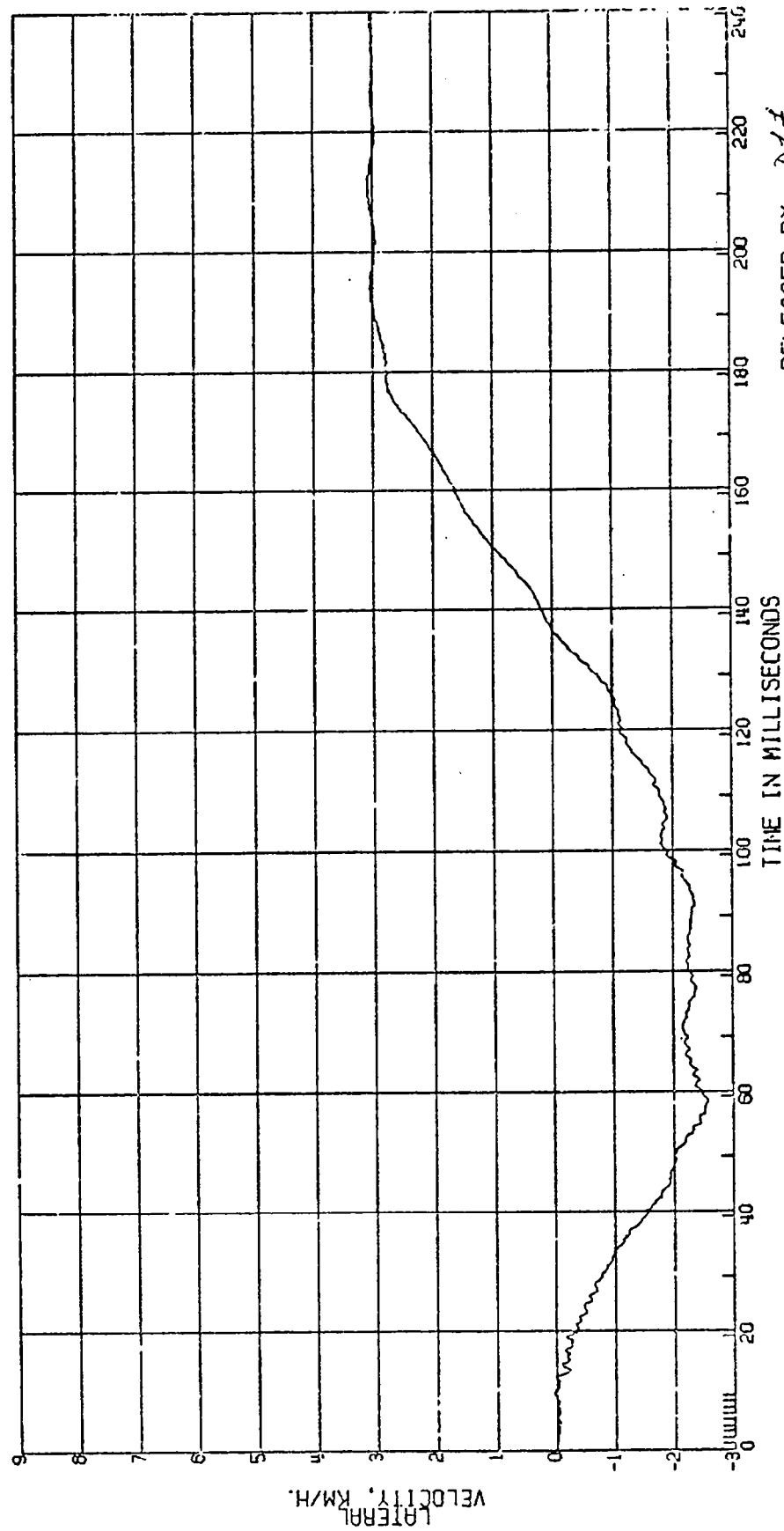
RELEASED BY: *217*
19 PROCESSED 30 MAR 84 11:05

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 85
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 100
 TEST DATE: 03-29-84
 (1ST INTEGRAL DR-SIDE ACCELERATION)



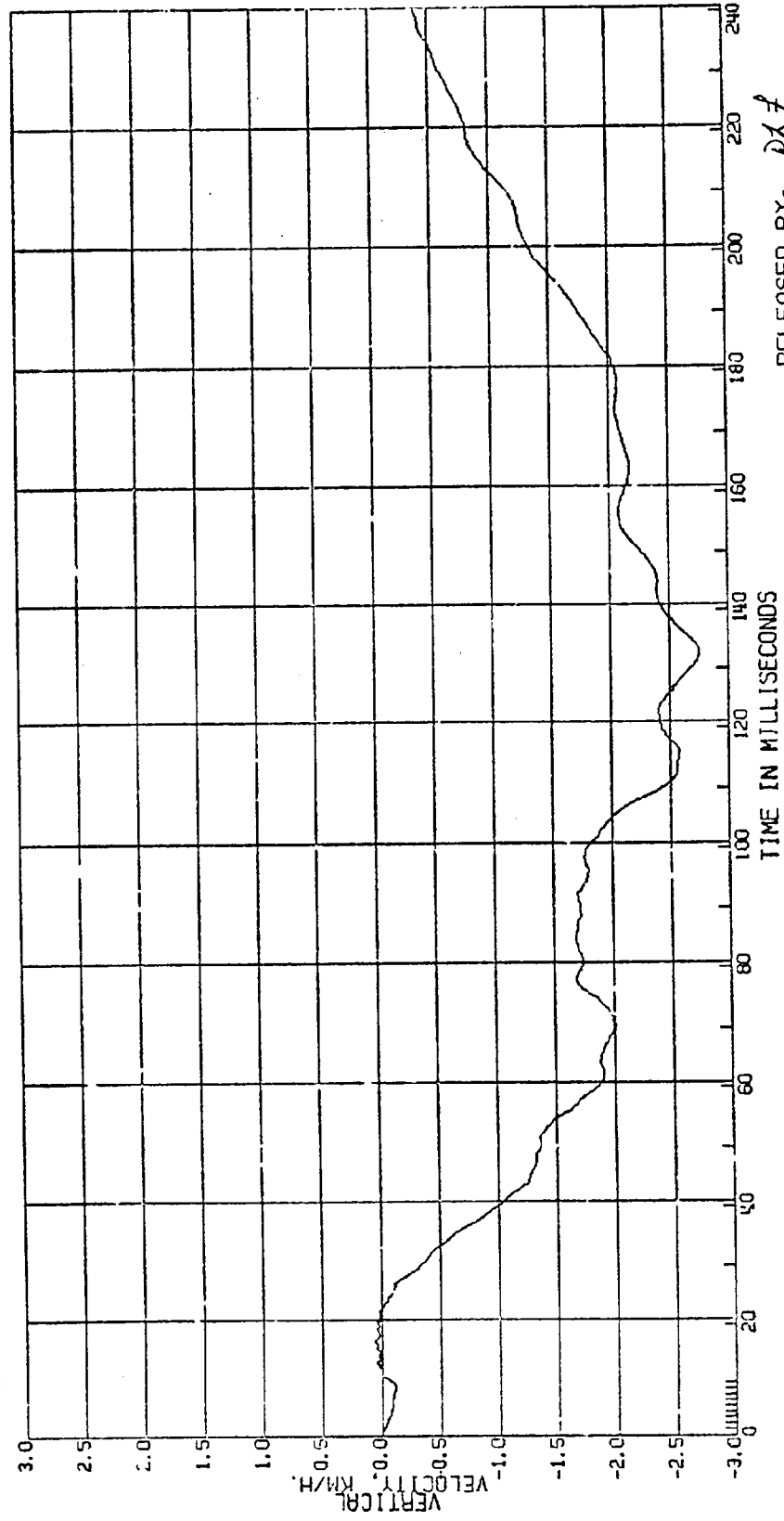
RELEASED BY: *DLH*
 2 PROCESSED 30 MAR 84 11:02

C59158 RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 26
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180
 TEST DATE: 03-29-84
 COMPUTED STRIKING BARR-FRT VELOCITY
 (1ST INTEGRAL OR-SIDE ACCELERATION)



RELEASED BY: DLF
 5 PROCESSED 30 MAR 84 11:02

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 87
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180
 COMPUTED STRIKING BARR-FRT VELOCITY
 (1ST INTEGRAL DR-SIDE ACCELERATION) TEST DATE:03-29-84



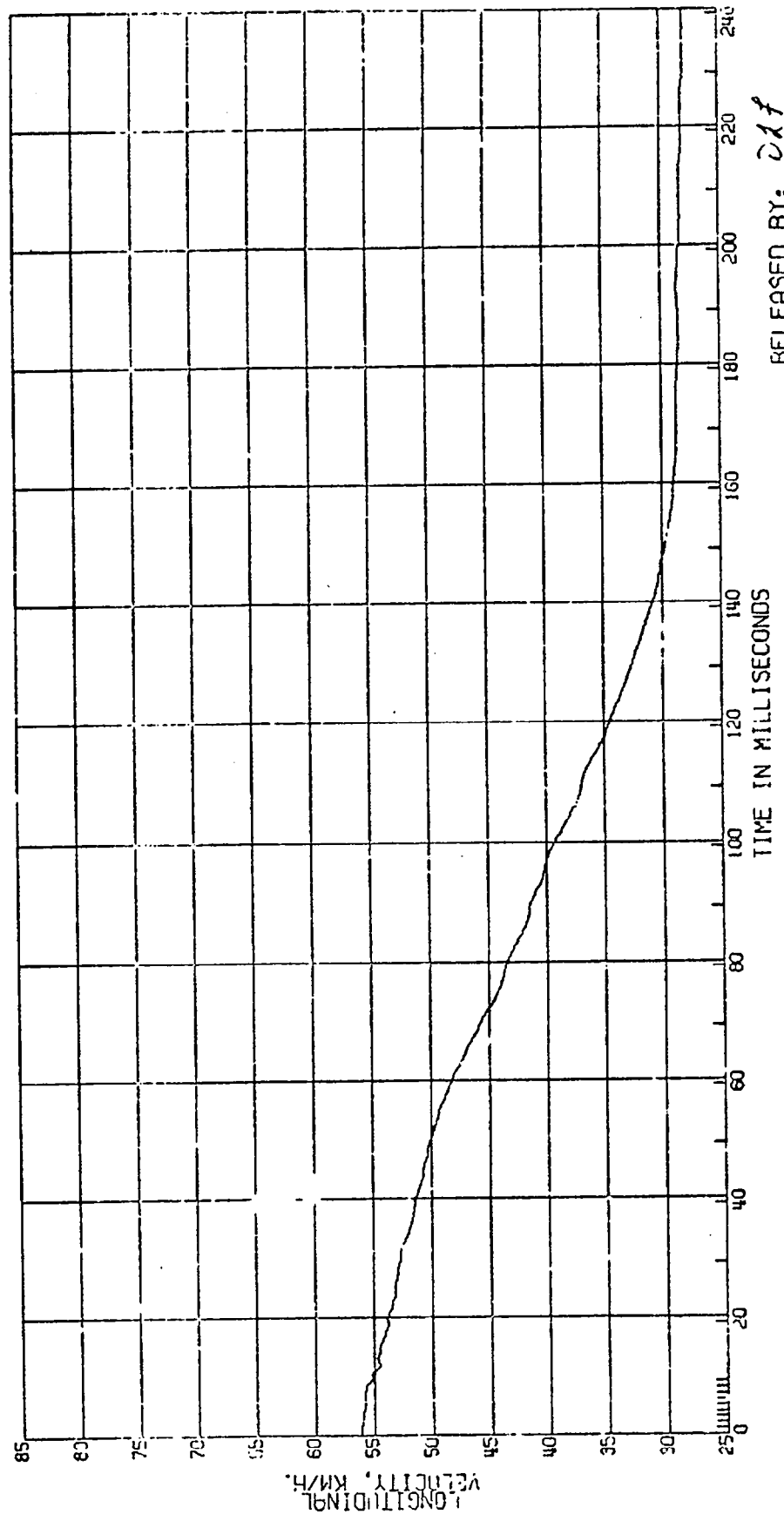
RELEASED BY: *DXF*
 8 PROCESSED 30 MAR 84 11:03

COMPUTED STRAINING DATA-PAV VELOCITY 88

COMPUTED STRAINING DATA-PAV VELOCITY
(1ST INTEGRAL PASS-SIDE ACCELERATION)

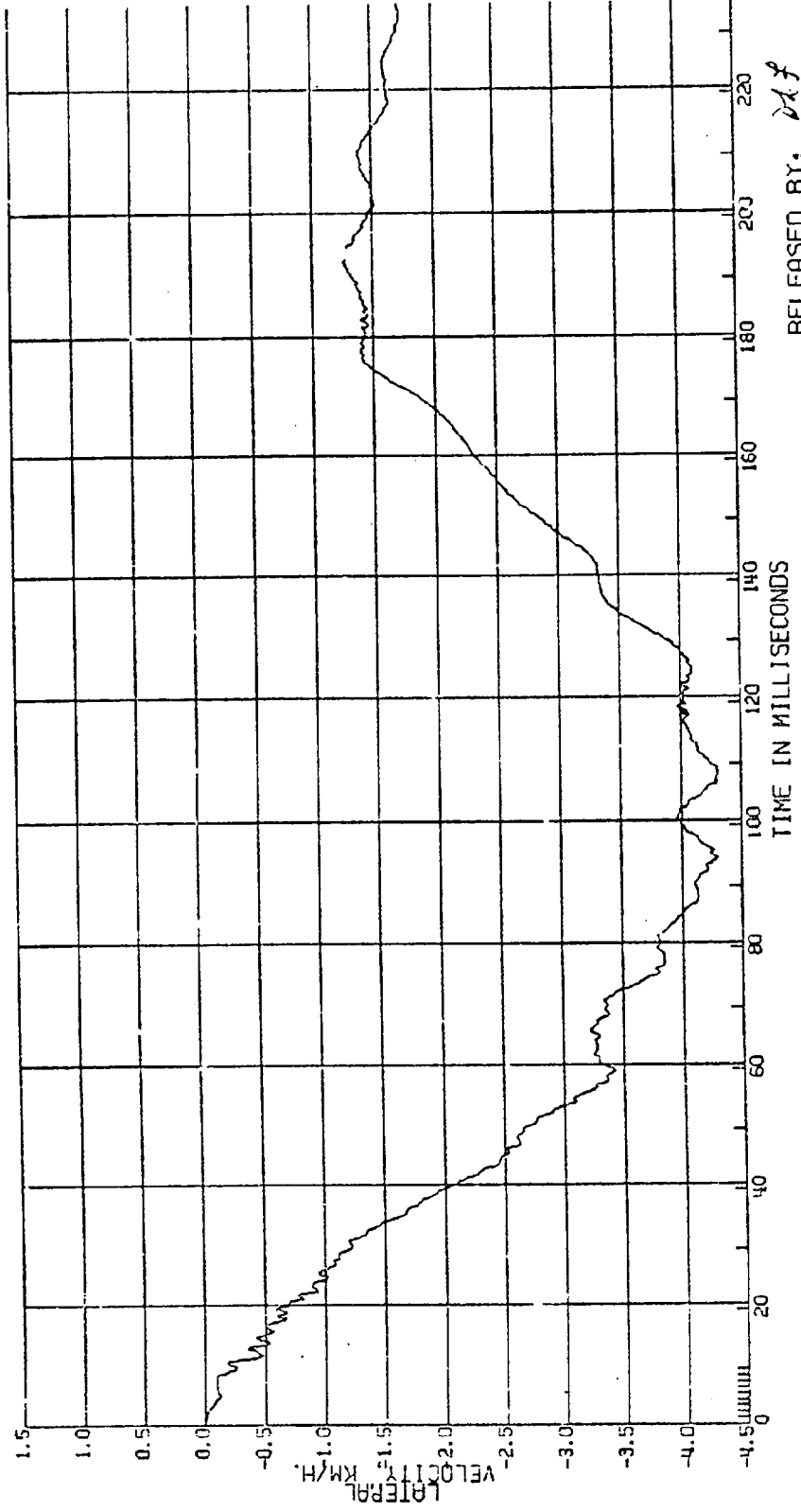
TEST DATE: 03-20-84

FIELD BODY NATSR DATA. STRIKE
A-D DATA SAE CLASS 180



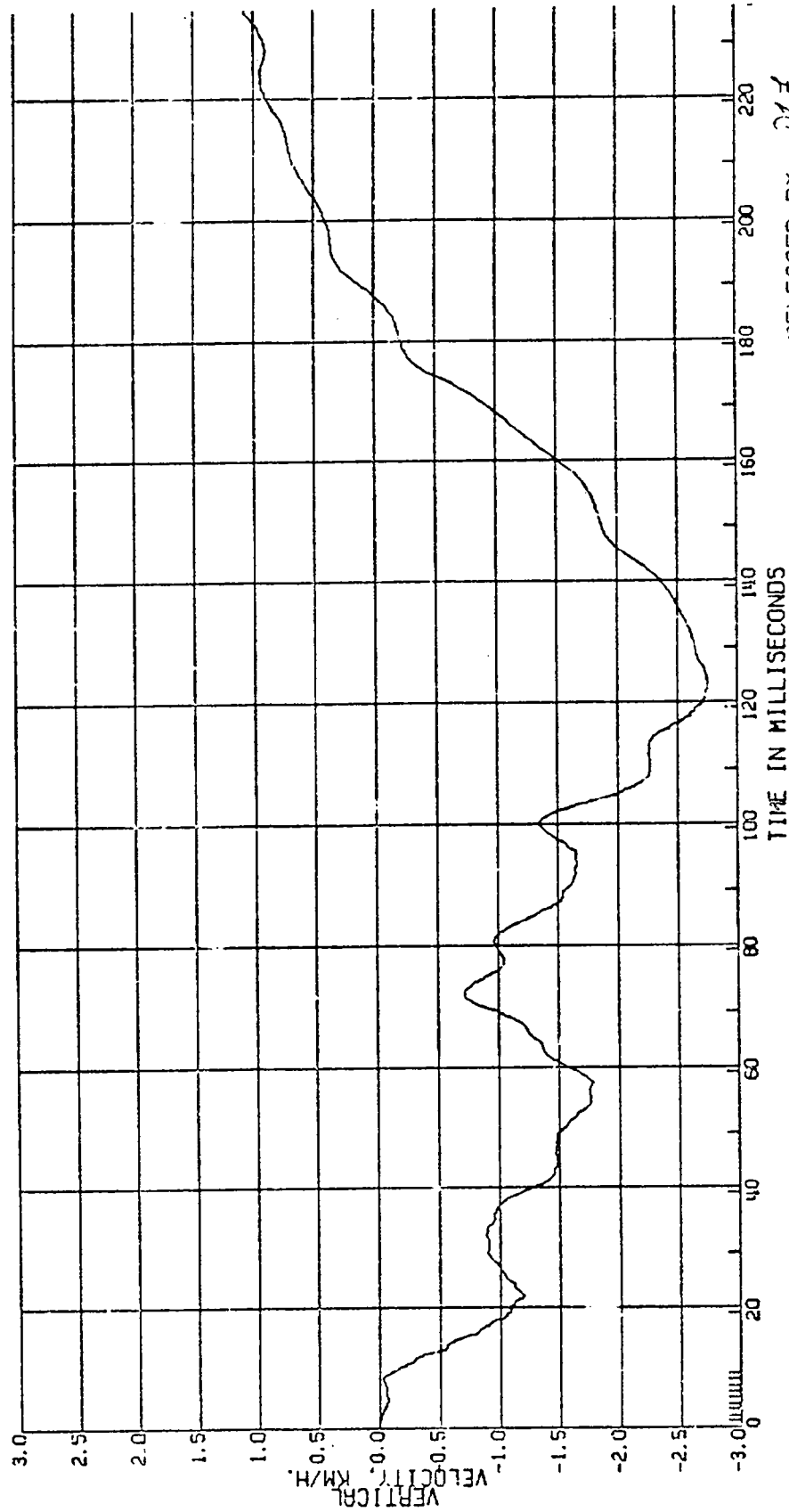
RELEASED BY: 011
11 PROCESSED 30 MAR 84 11:03

C59158 AT SIDE IMP-GODEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 87
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 160
 COMPUTED STRIKING BARR-FRT VELOCITY
 (1ST INTEGRAL PASS-SIDE ACCELERATION)
 TEST DATE: 03-29-



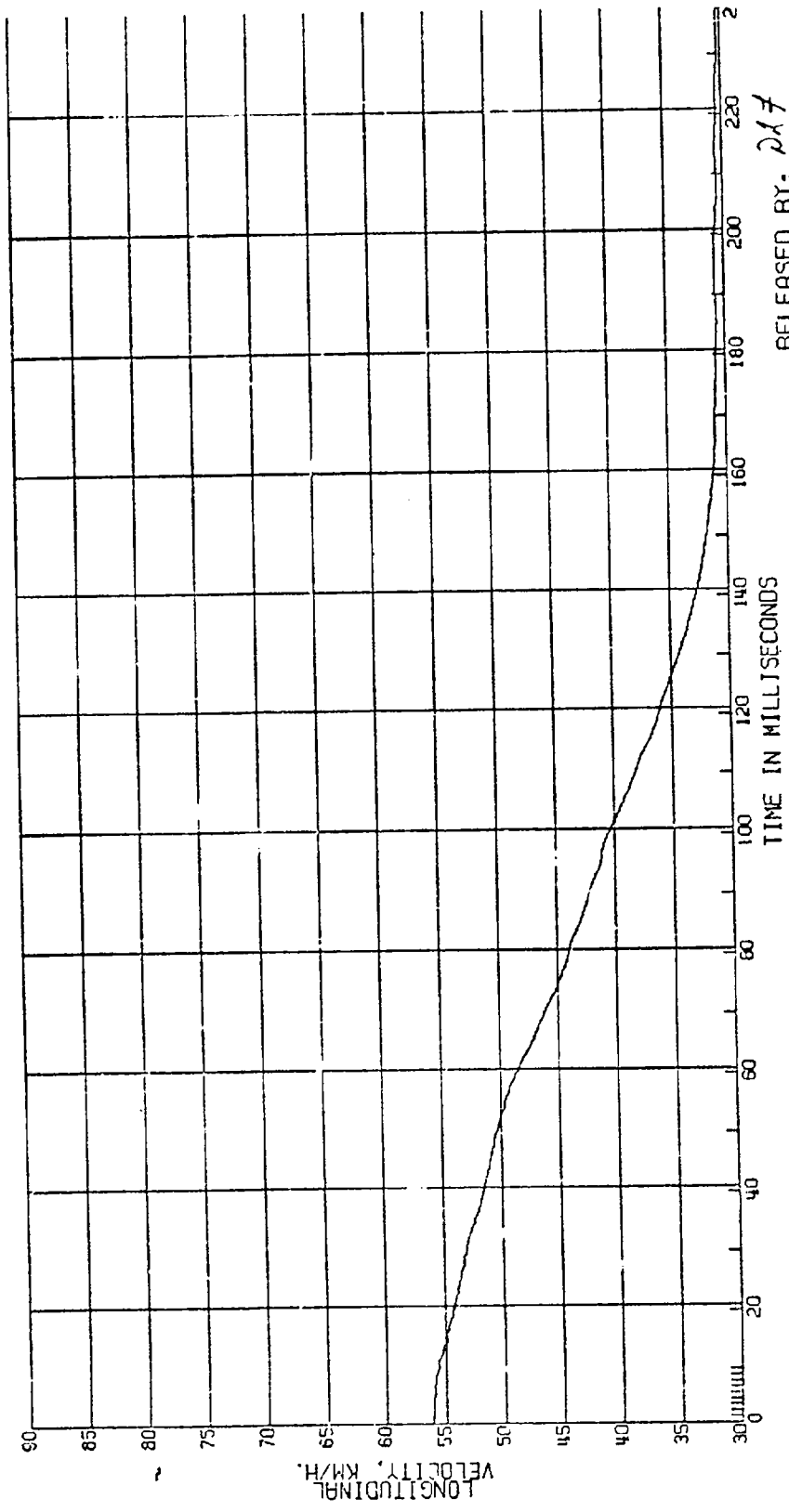
RELEASED BY: *df*
 14 PROCESSED 30 MAR 84 11:04

C5915B RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 90
3865-337
FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT VELOCITY TEST DATE:03-29-
A-D DATA SAE CLASS 180 (1ST INTEGRAL PASS-SIDE ACCELERATION)



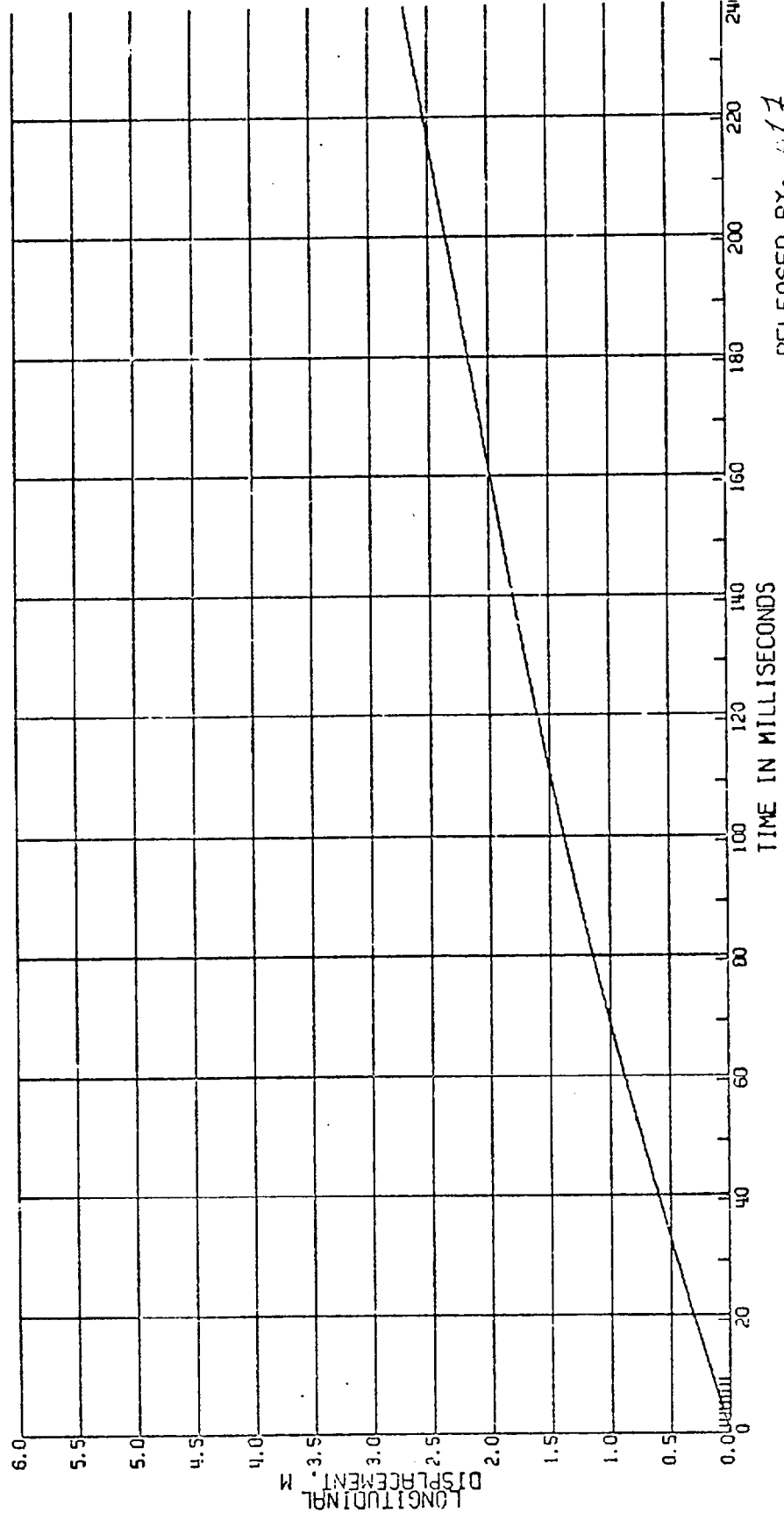
RELEASED BY: *DAF*
17 PROCESSED 30 MAR 84 11:05

C59158 AT SIDE IMP-GODEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 7/
 3835-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 130
 COMPUTED STRIKING BARR-FRT VELOCITY
 (1ST INTEGRAL AVERAGED ACCELERATION) TEST DATE: 03-29-8



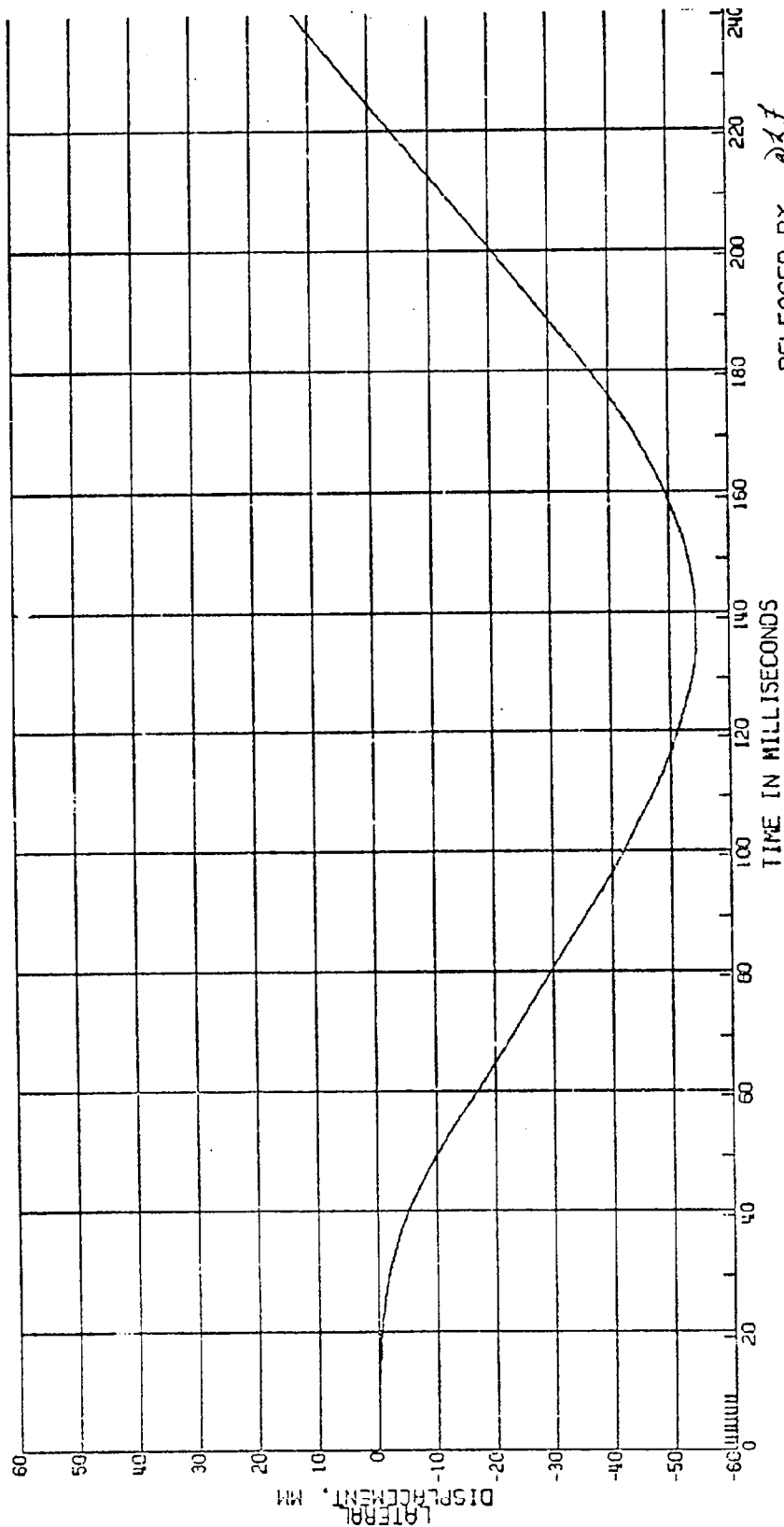
RELEASED BY: *DAF*
 20 PROCESSED 30 MAR 84 11:06

C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 92
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE: 03-29-80
 A-D DATA SAE CLASS 180
 (2ND INTEGRAL DR-SIDE ACCELERATION)



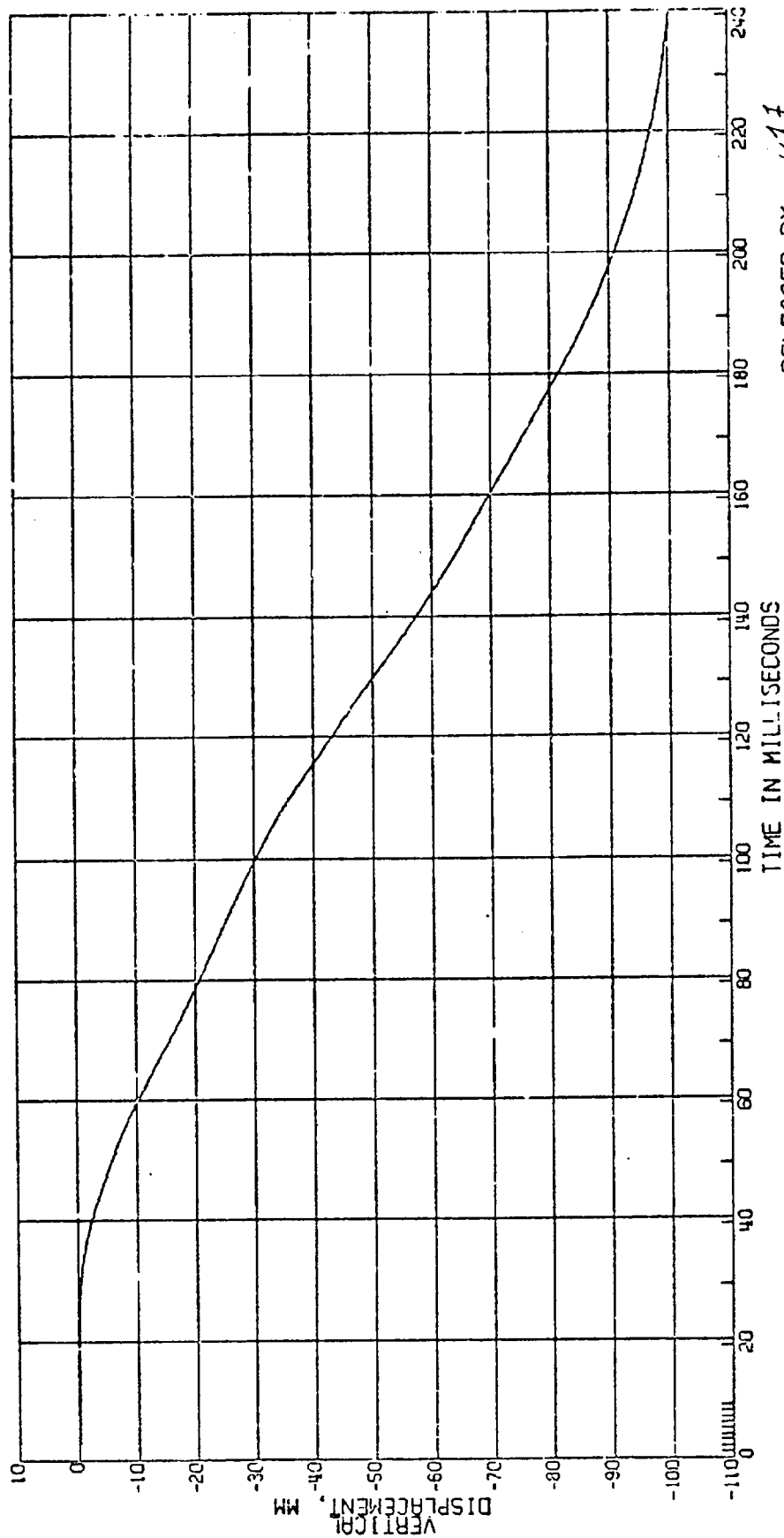
RELEASED BY: 017
 3 PROCESSED 30 MAR 84 11:02

C59158 RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 93
 3865-337
 FICHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE: 03-29-84
 A-D DATA SAE CLASS 180 (2ND INTEGRAL OR-SIDE ACCELERATION)



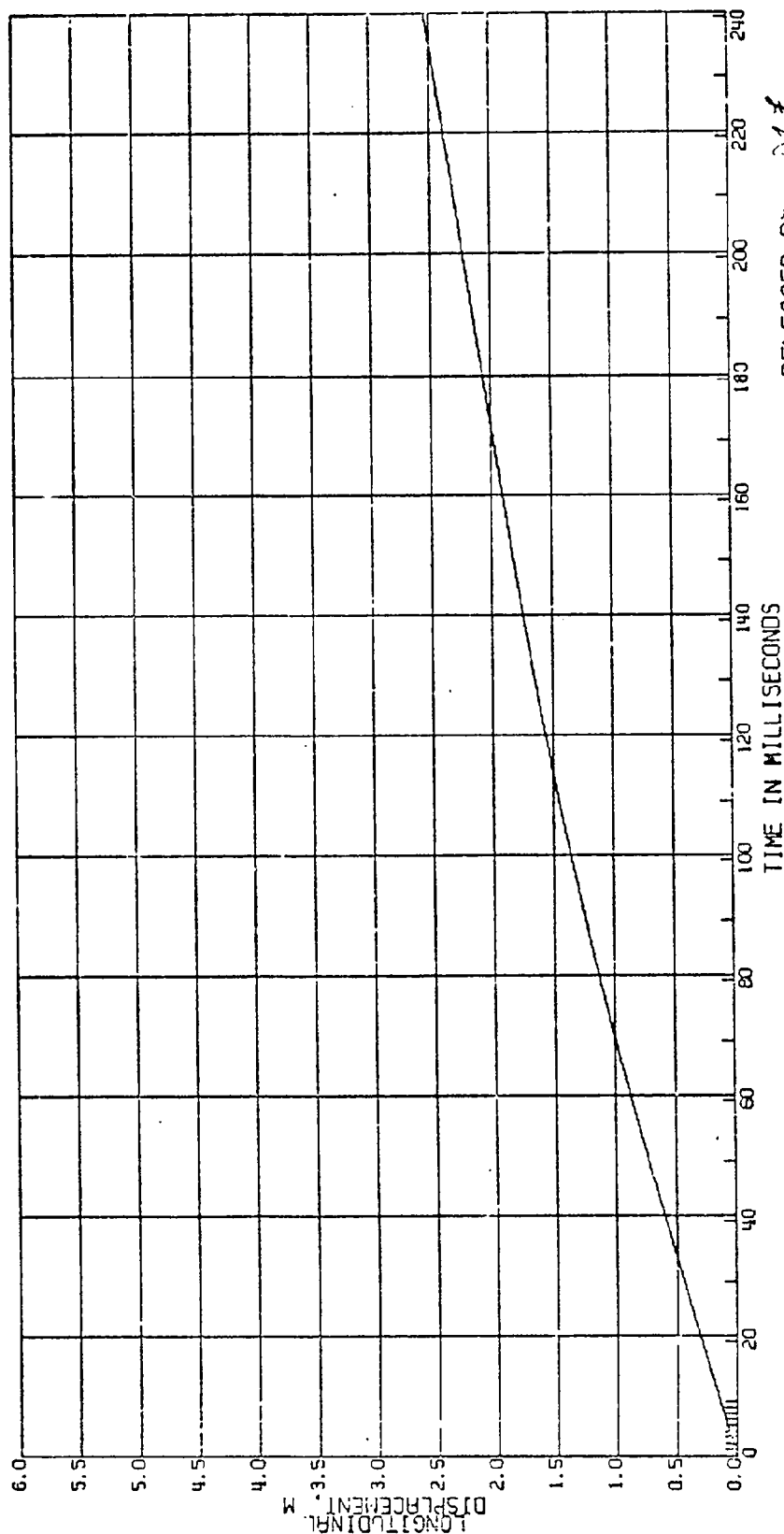
RELEASED BY: *247*
 6 PROCESSED 30 MAR 84 11:02

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 94
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FAT DISPLACEMENT TEST DATE: 03-29-84
 A-D DATA SAE CLASS 180 (2ND INTEGRAL DR-SIDE ACCELERATION)



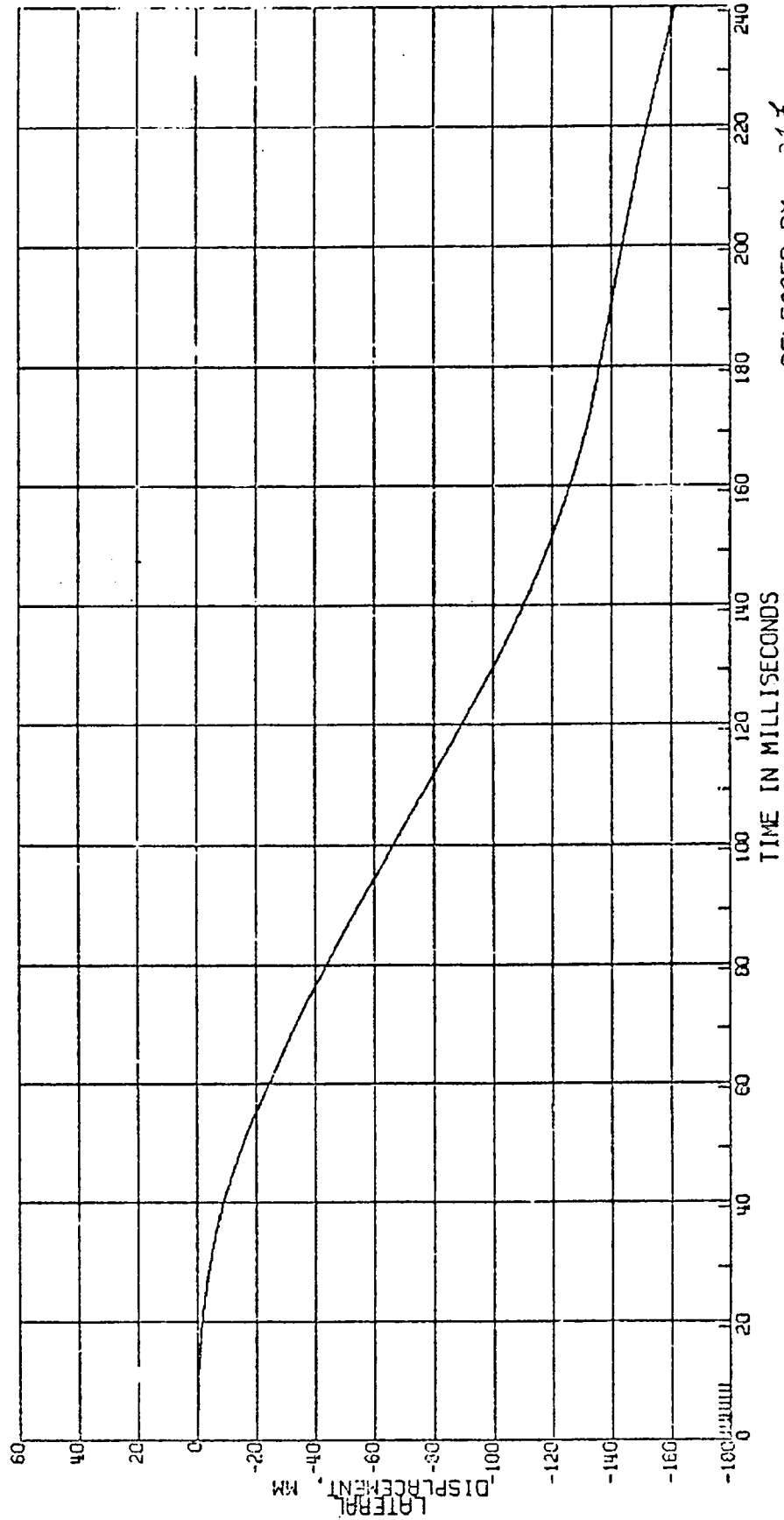
RELEASED BY: *W17*
 9 PROCESSED 30 MAR 84 11:03

CS915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 95
 3865-337
 FISHER BODY NHTSA 86P8. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT
 A-D DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION) TEST DATE: 03-29-84



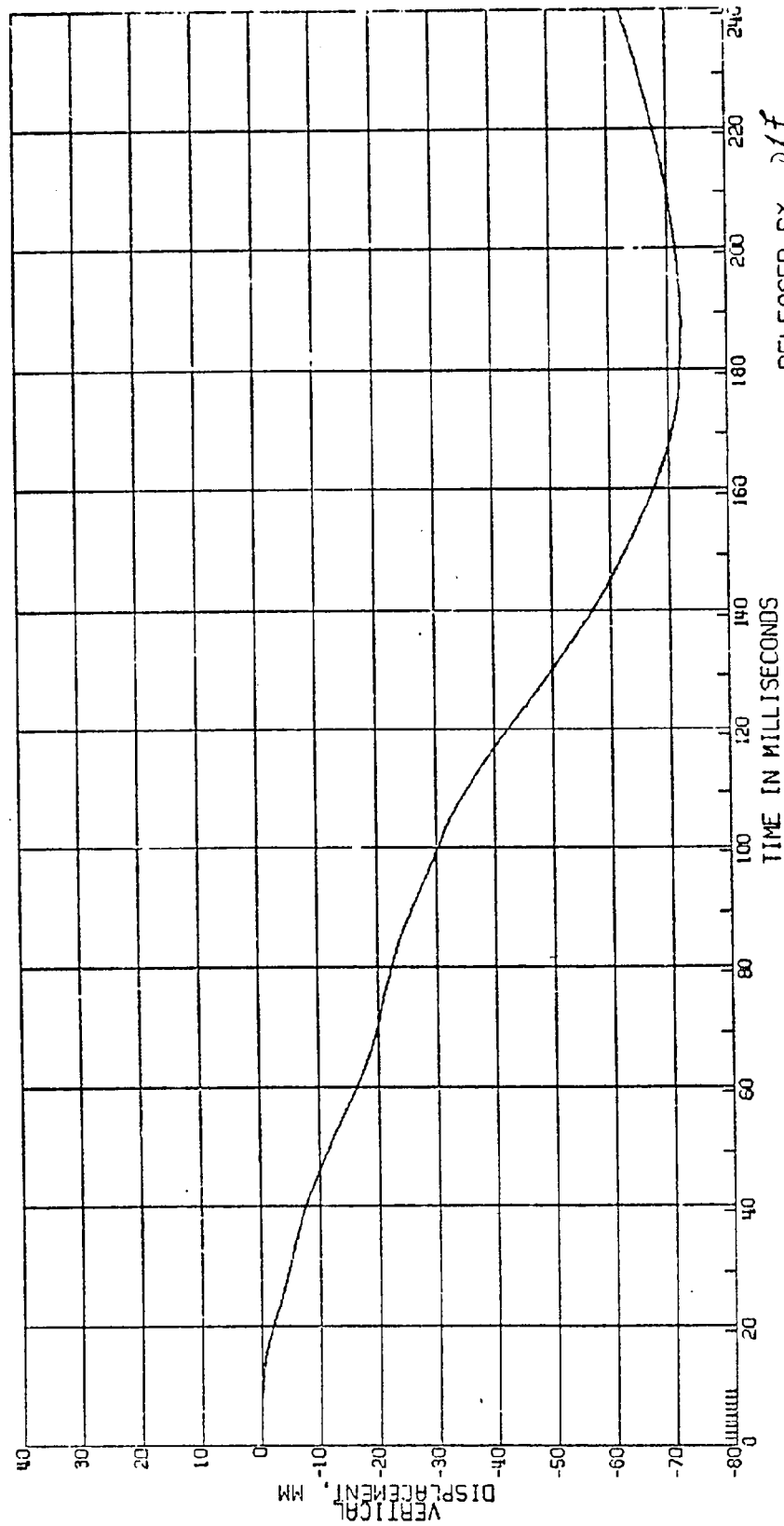
RELEASED BY: *DAF*
 12 PROCESSED 30 MAR 84 11:03

C59158 RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 55.1 KM/H FIGURE 96
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT
 A-O DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION) TEST DATE: 03-29-84



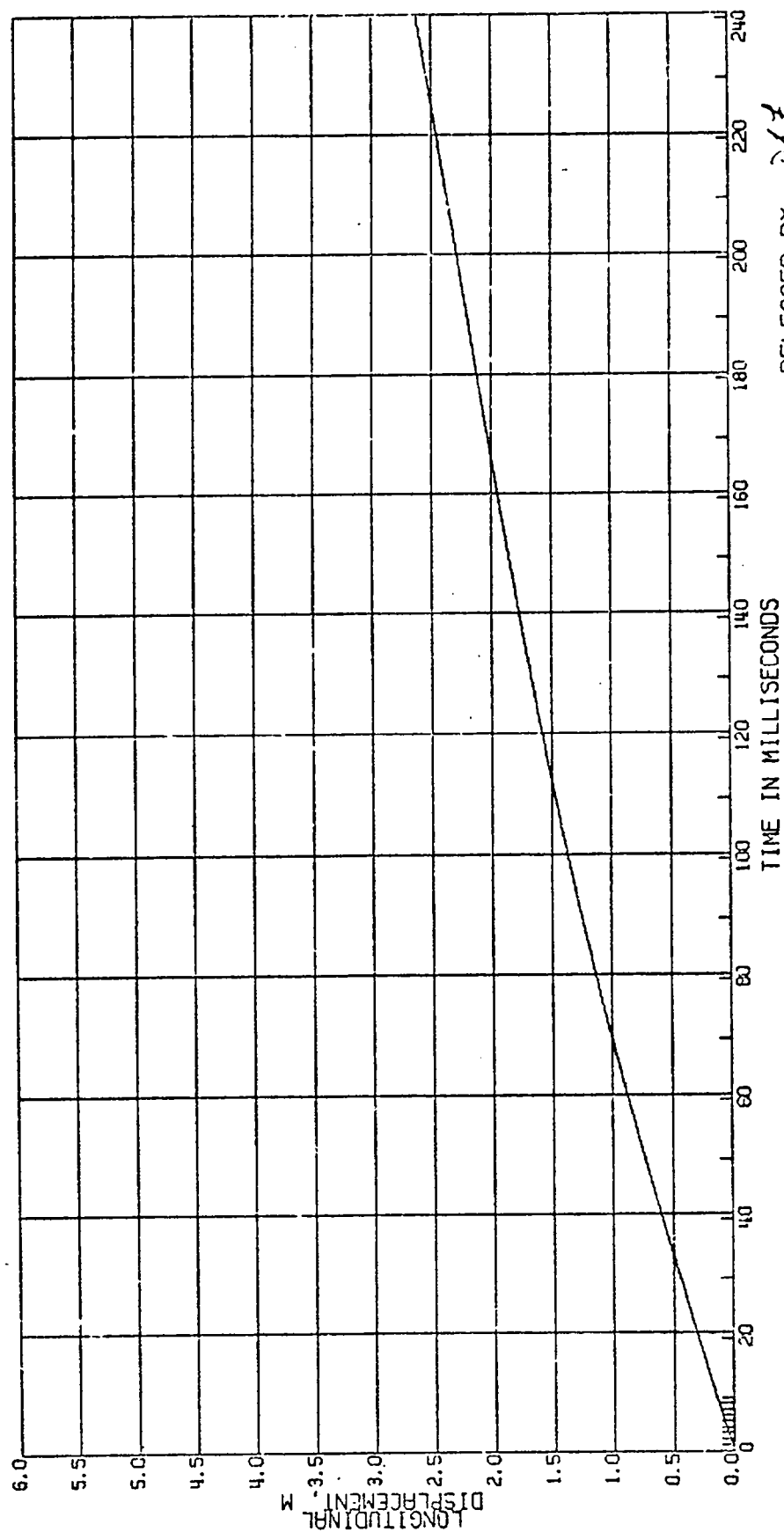
RELEASED BY: 217
 15 PROCESSED 30 MAR 84 11:04

CS915B RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 47
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT
 A-D DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION) TEST DATE: 03-29-84



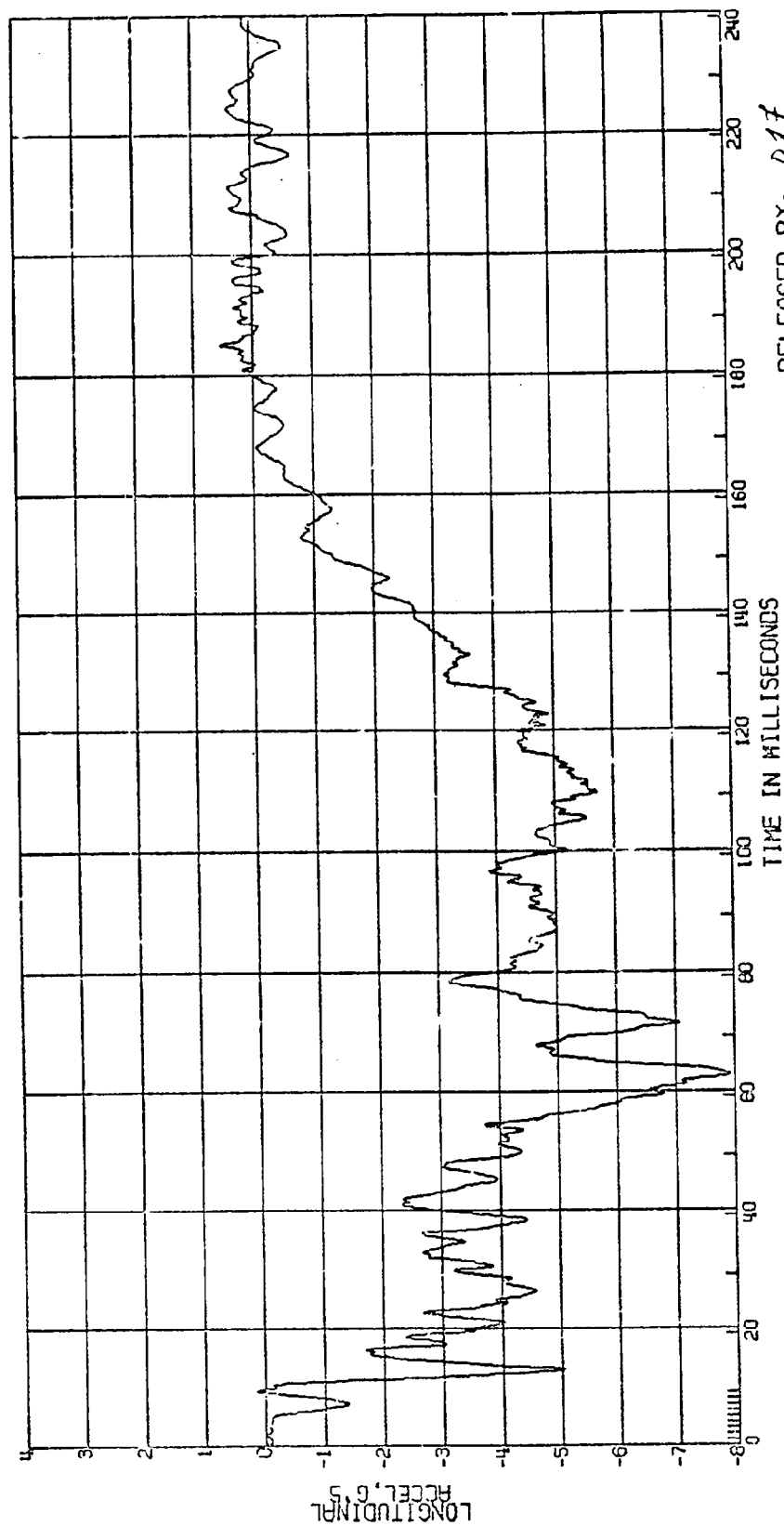
RELEASED BY: *DLF*
 18 PROCESSED 30 MAR 84 11:05

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 98
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-FRT DISPLACEMENT
 A-D DATA SAE CLASS 180 TEST DATE: 03-29-04
 (2ND INTEGRAL AVERAGED ACCELERATION)



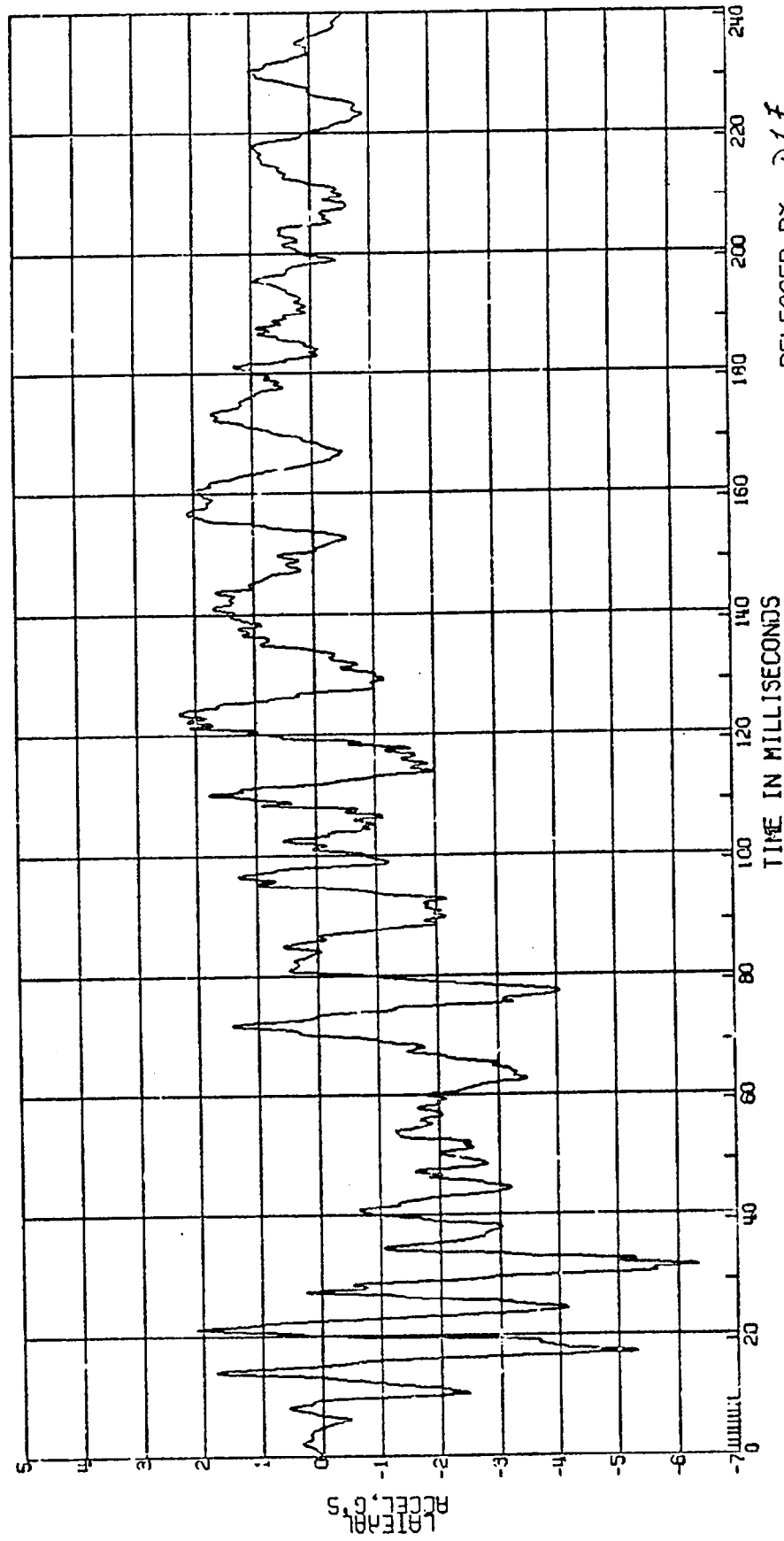
RELEASED BY: 217
 21 PROCESSED 30 MAR 84 11:06

C5915B FT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 99
3865-337
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 60 TEST DATE: 03-29-84



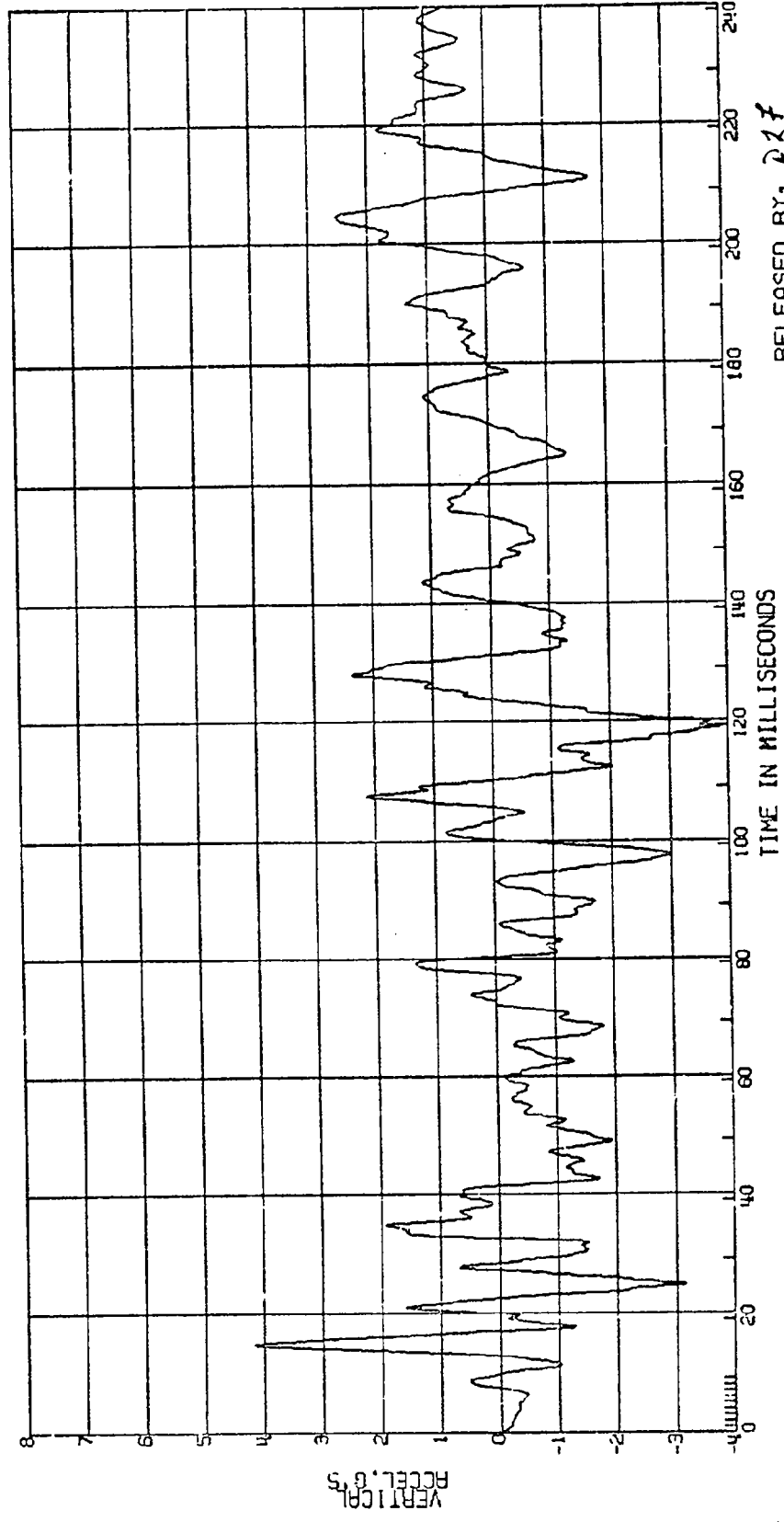
RELEASED BY: *DLF*
22 PROCESSED 30 MAR 84 11:06

C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 100
3865-337 DR-SIDE STRIKING BARR. MID ACCEL. TEST DATE: C3-29-84
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 60



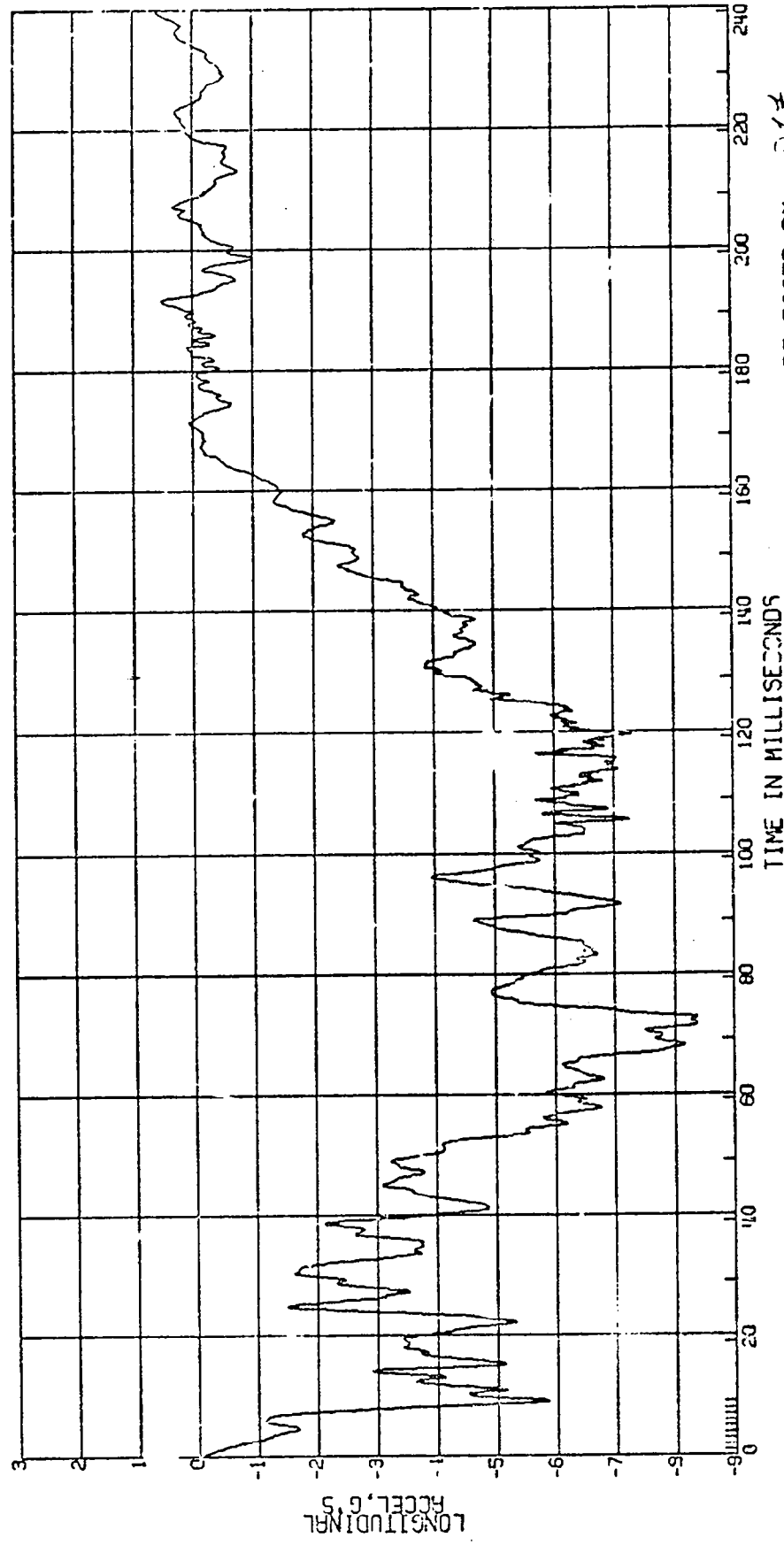
RELEASED BY: *DLF*
25 PROCESSED 30 MAR 84 11:06

C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 101
3865-337
FISHER BODY NHTSA BARR. STRIKE
A-J DATA SAE CLASS 60
DR-SIDE STRIKING BARR. MID ACCEL. TEST DATE: 03-29-84



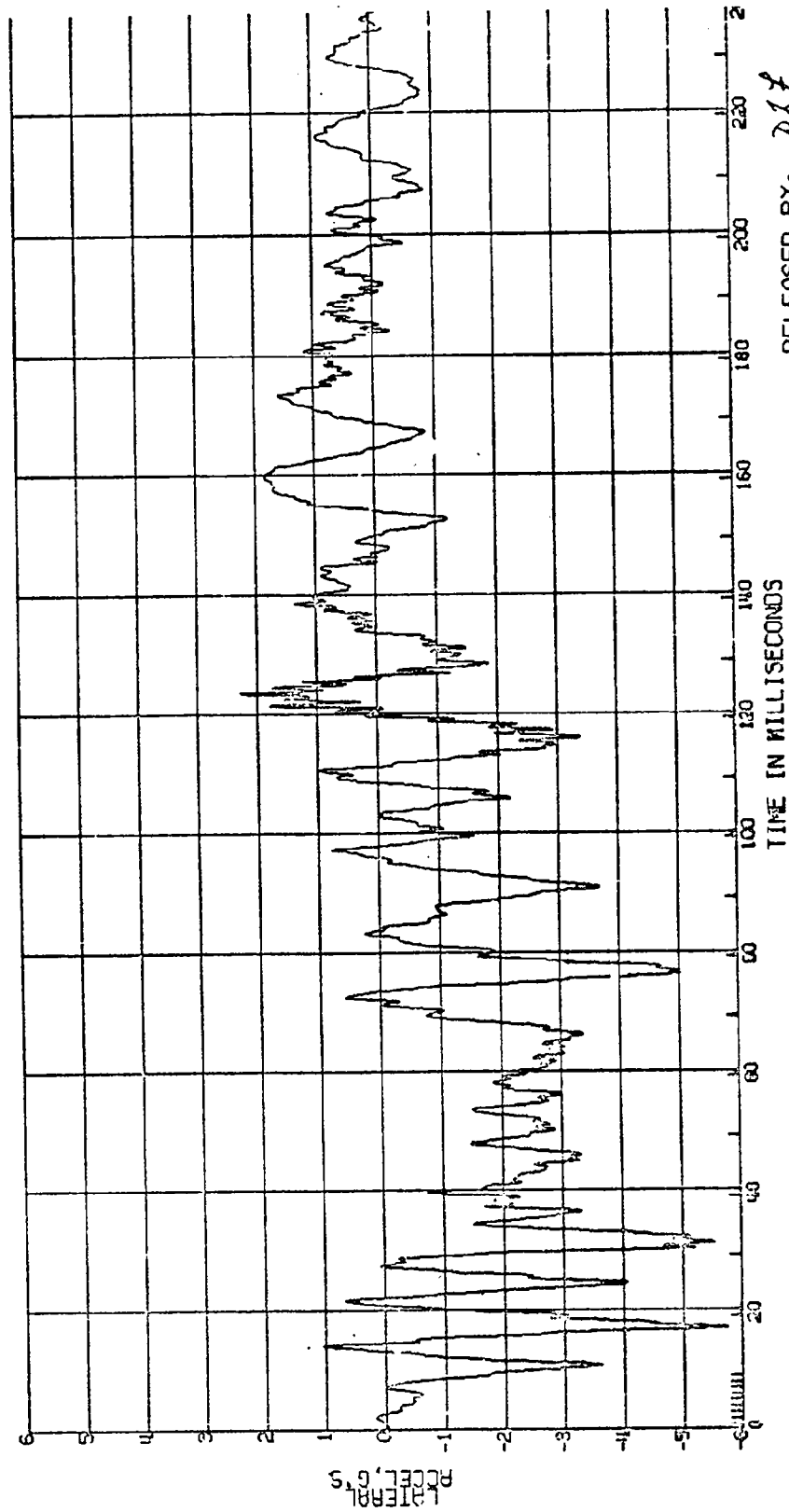
RELEASED BY: 217
28 PROCESSED 30 MAR 84 11:07

C59158 RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 102.
 3865-337
 FISHER BODY NHTSA BASR. STRIKE
 A-D DATA SAE CLASS 60 TEST DATE: C3-23-84



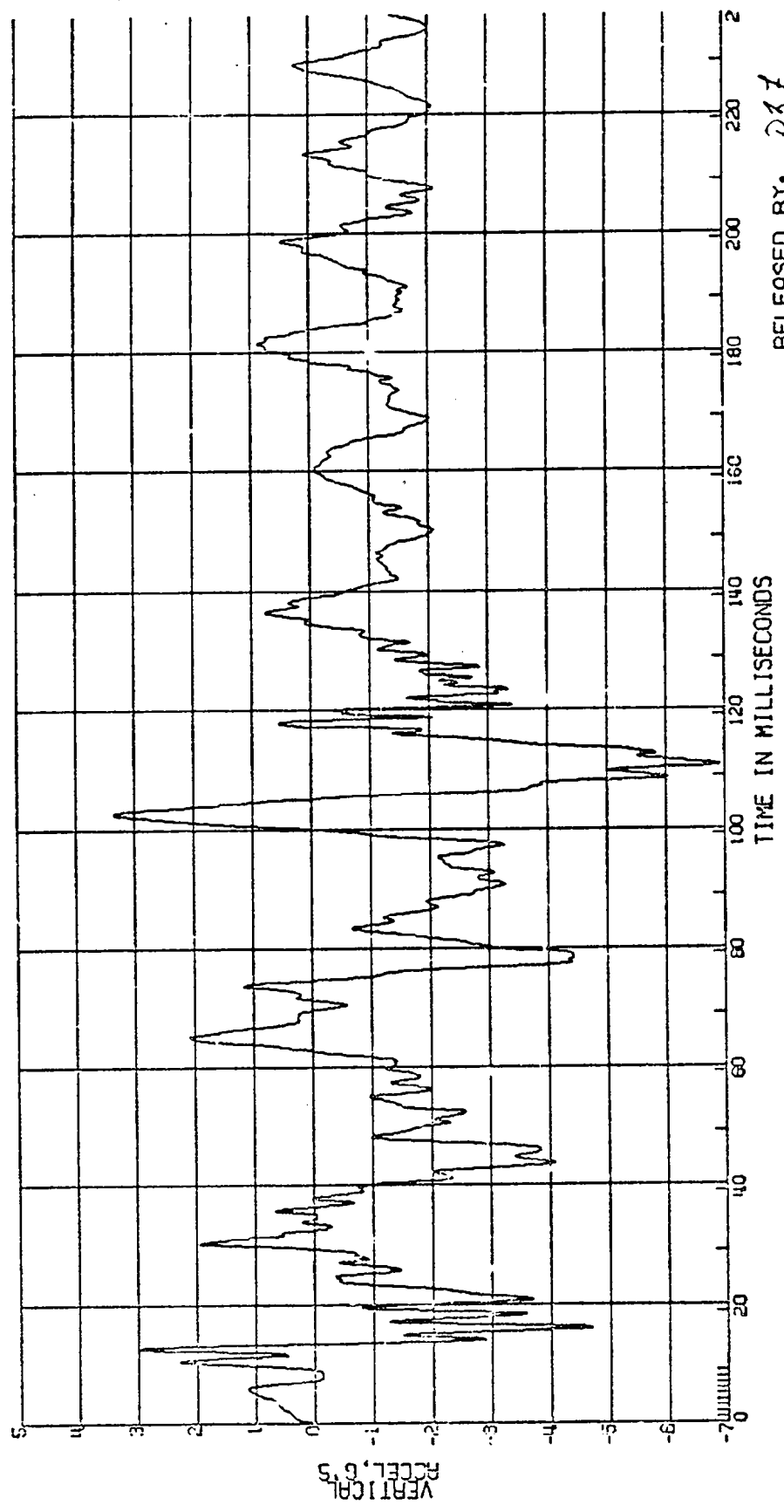
RELEASED BY: DLT
 31 PROCESSED 30 MAR 84 11:07

C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 103
3865-337
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 60 TEST DATE:03-28-8

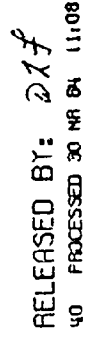


RELEASED BY: *DLF*
34 PROCESSED 30 MAR 64 11:07

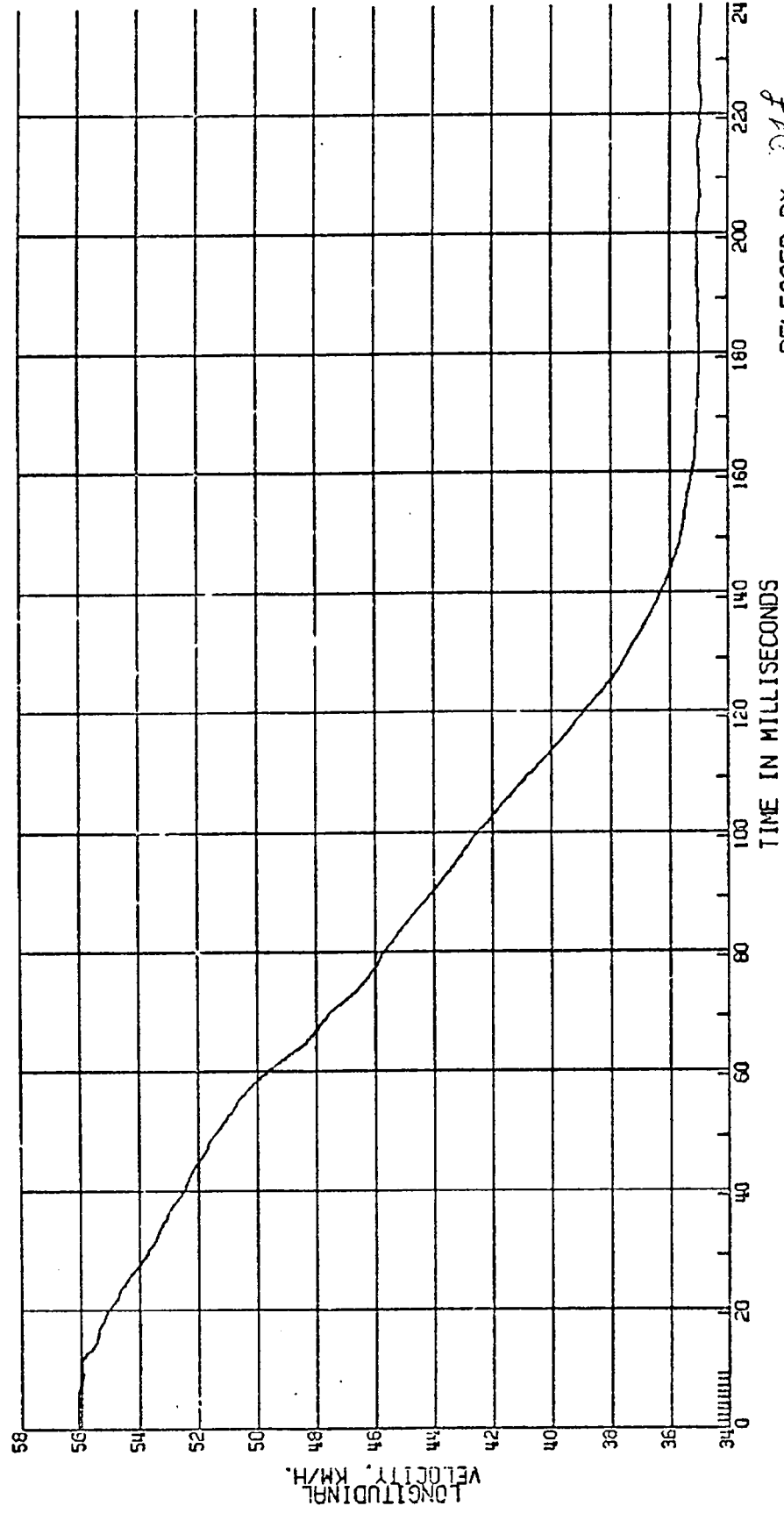
C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 04
 3865-337
 FISHER BODY NHTSA BARR. STRIKE PASS-SIDE STRIKING BARR. MID ACCEL. TEST DATE: 03-29-88
 A-D DATA SAE CLASS 60



RELEASED BY: *DAJ*
 37 PROCESSED 30 MAR 84 11:08

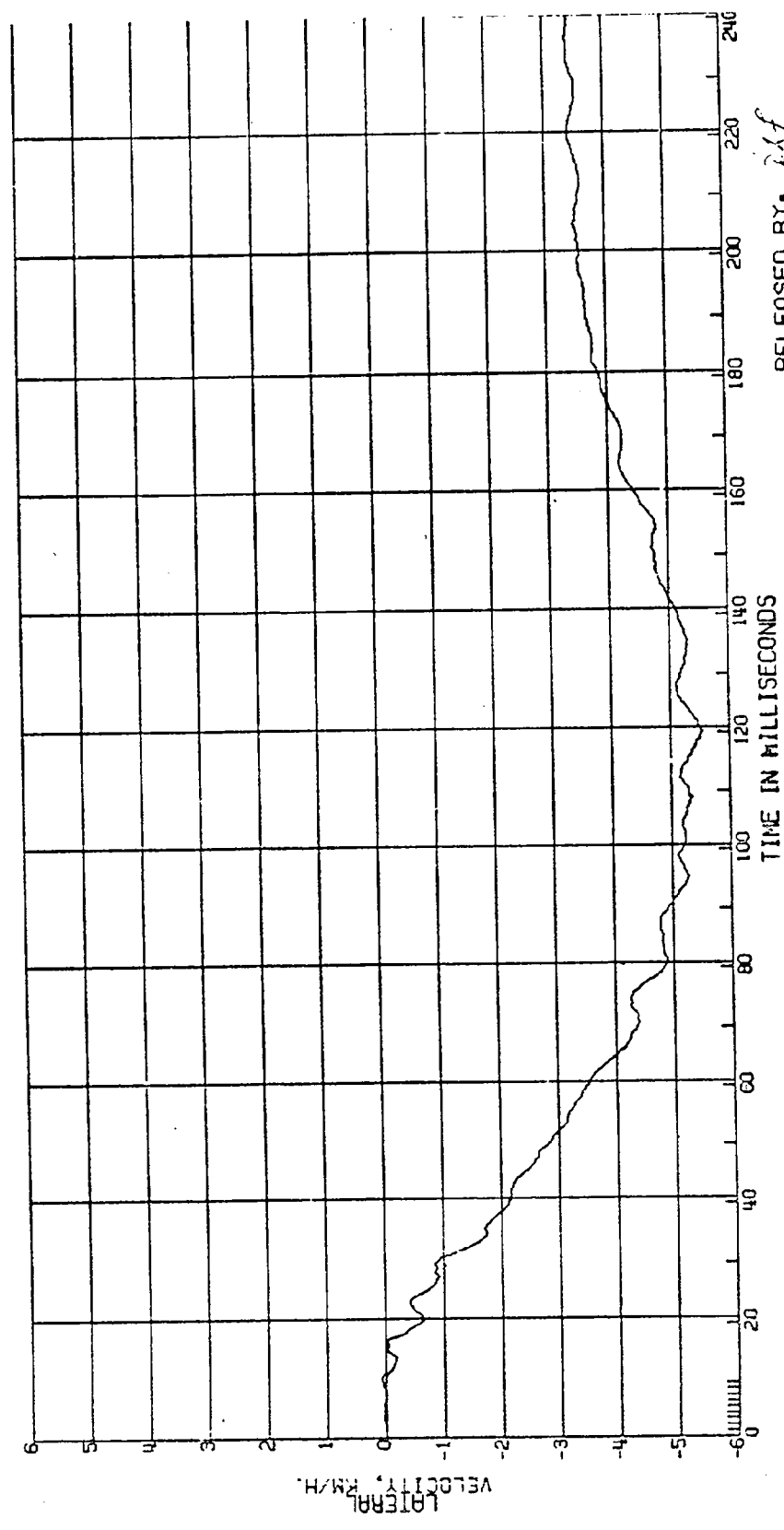


COMputed AT SIDE IMP-LOCED DIFF MOVING VEHICLE TO STRIKE BARREL 100-100-106
 100-100-106
 FISHMAN BODY NHTSA SARA. STRIKE COMPUTED STRIKING BARREL-MID VELOCITY
 A-D DATA SAE CLASS 180 TEST DATE: 03-25-83
 (1ST INTEGRAL DR-SIDE ACCELERATION)



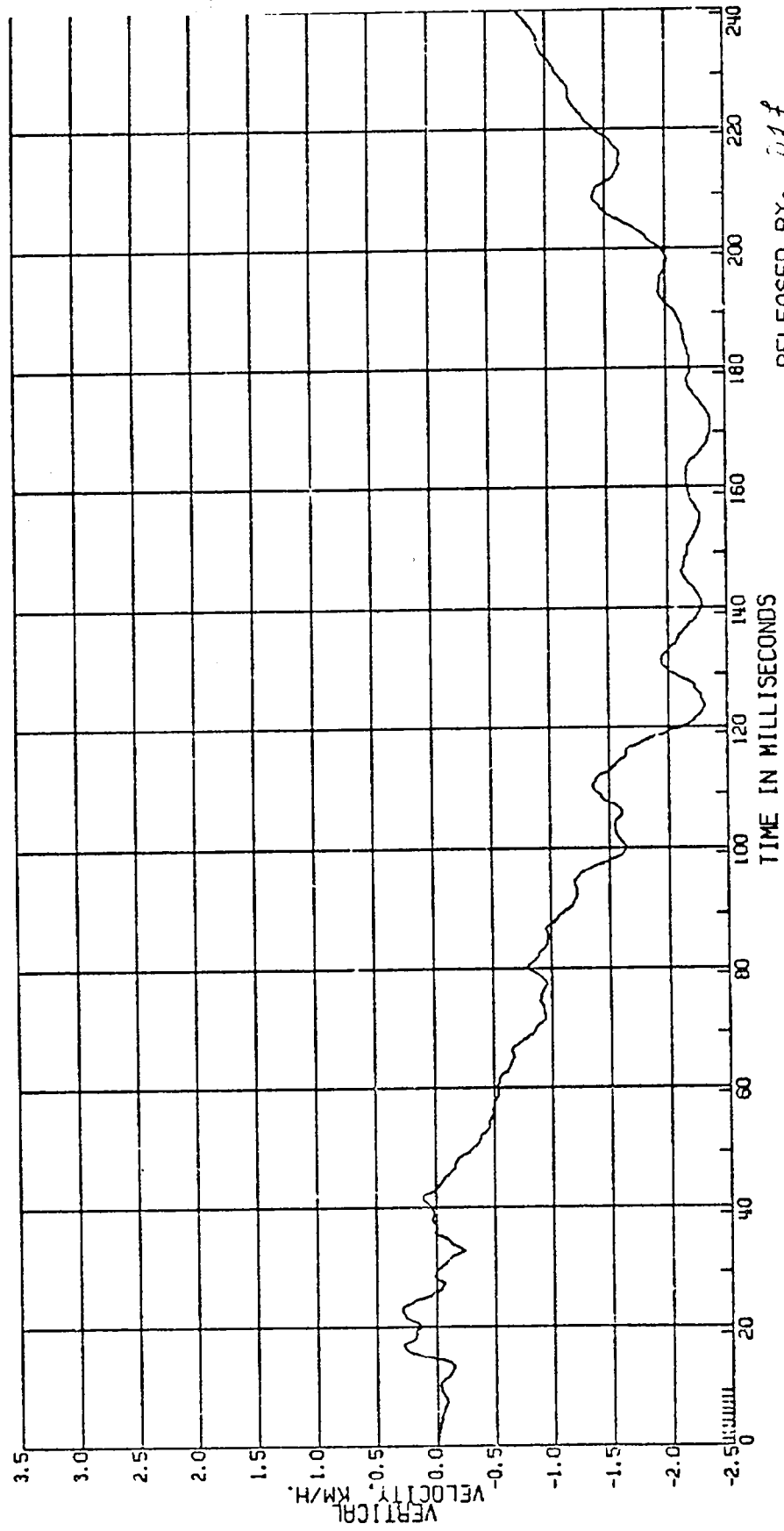
RELEASED BY: *DAF*
 23 PROCESSED 30 MAR 84 11:08

C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 107
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 130
 COMPUTED STRIKING BARR-MID VELOCITY
 (1ST INTEGRAL DR-SIDE ACCELERATION) TEST DATE:03-29-84



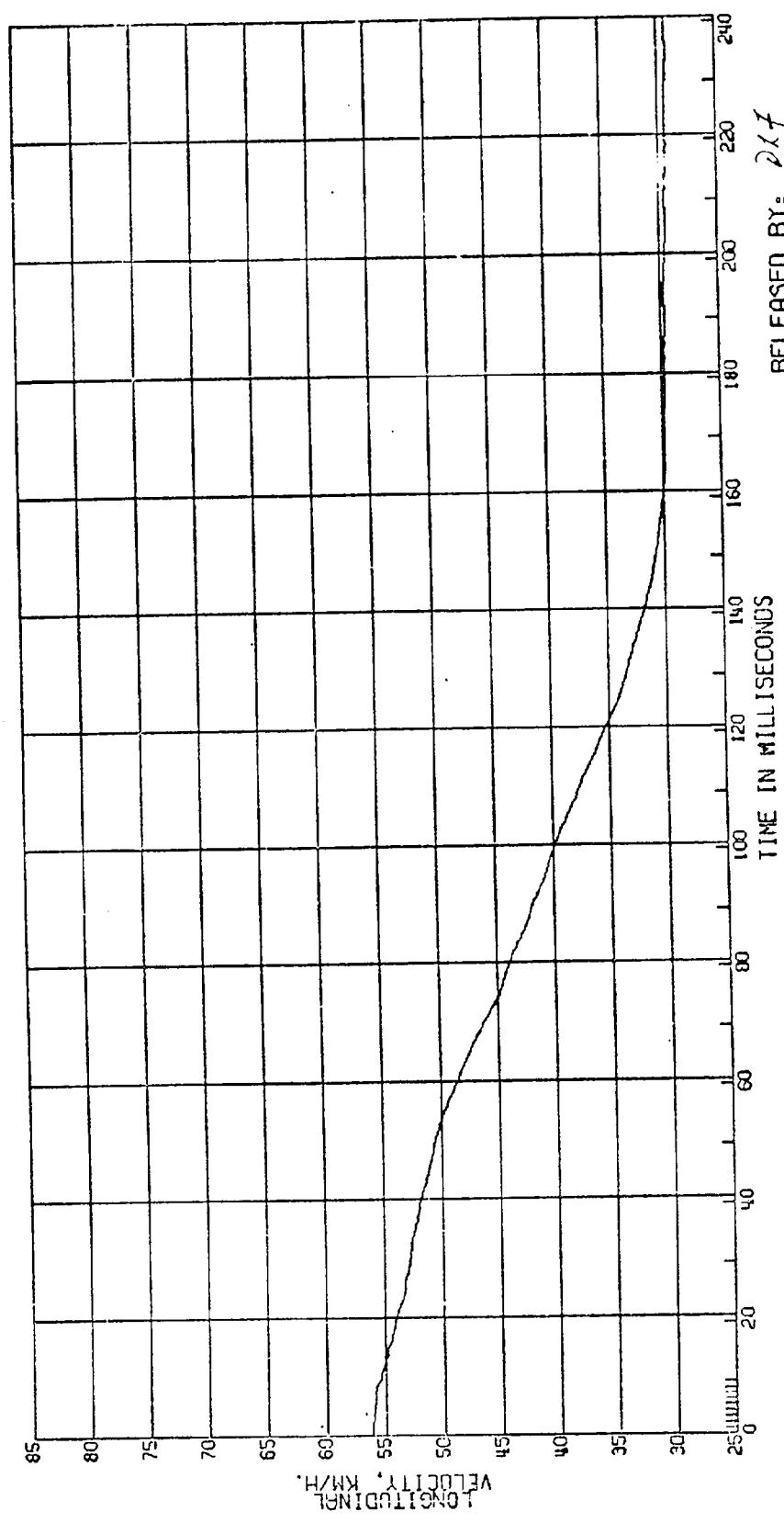
RELEASED BY: *24f*
 26 PROCESSED 30 MAR 84 11:06

C59158 RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 128
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180
 COMPUTED STRIKING BARR-MID VELOCITY
 (1ST INTEGRAL DR-SIDE ACCELERATION) TEST DATE:03-29-84



RELEASED BY: 01f
 29 PROCESSED 30 MAR 84 11:07

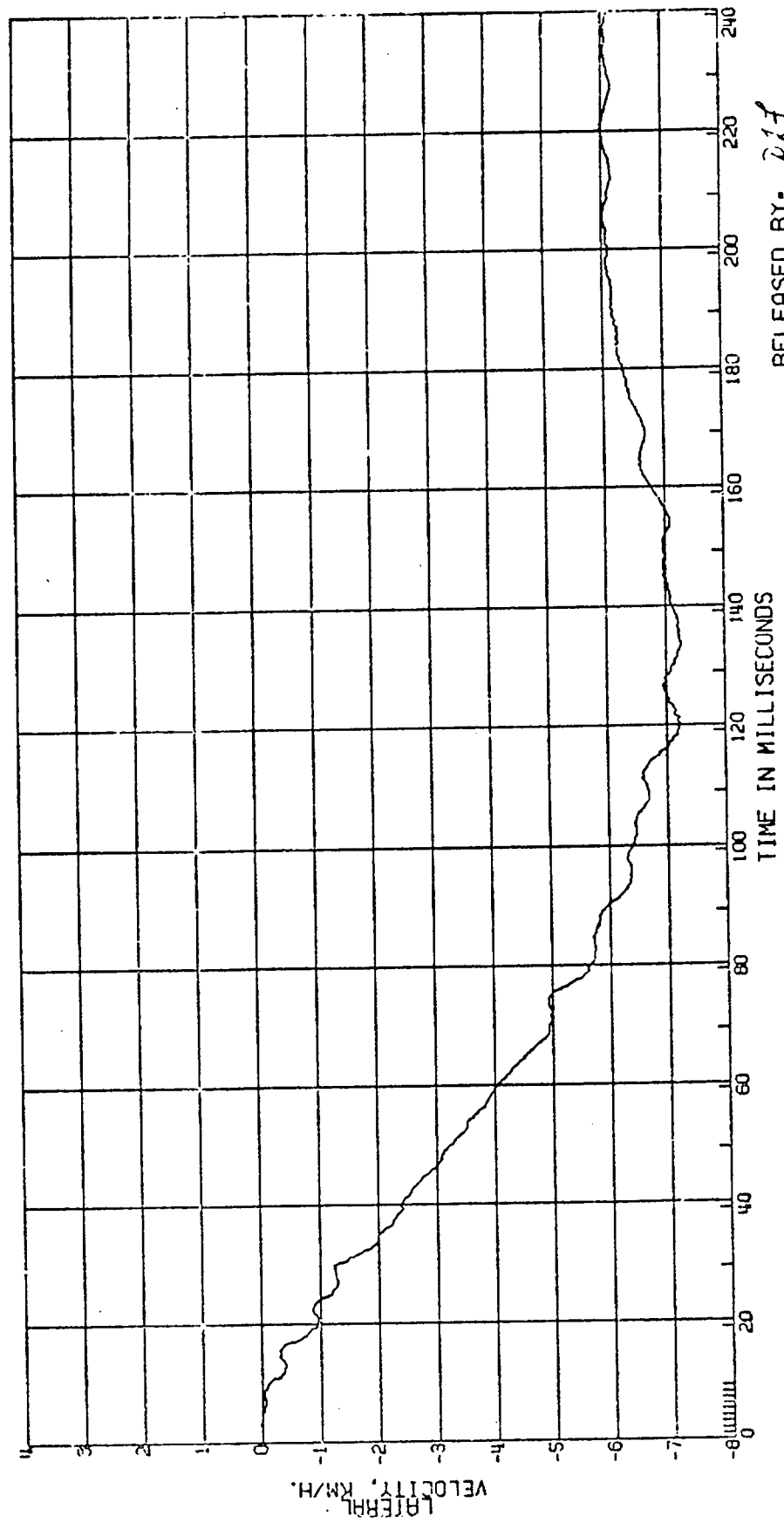
C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 107
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180
 COMPUTED STRIKING BARR-MID VELOCITY
 (1ST INTEGRAL PASS-SIDE ACCELERATION) TEST DATE:03-29-84



RELEASED BY: *DLF*
 32 PROCESSED 30 MAR 84 11:07

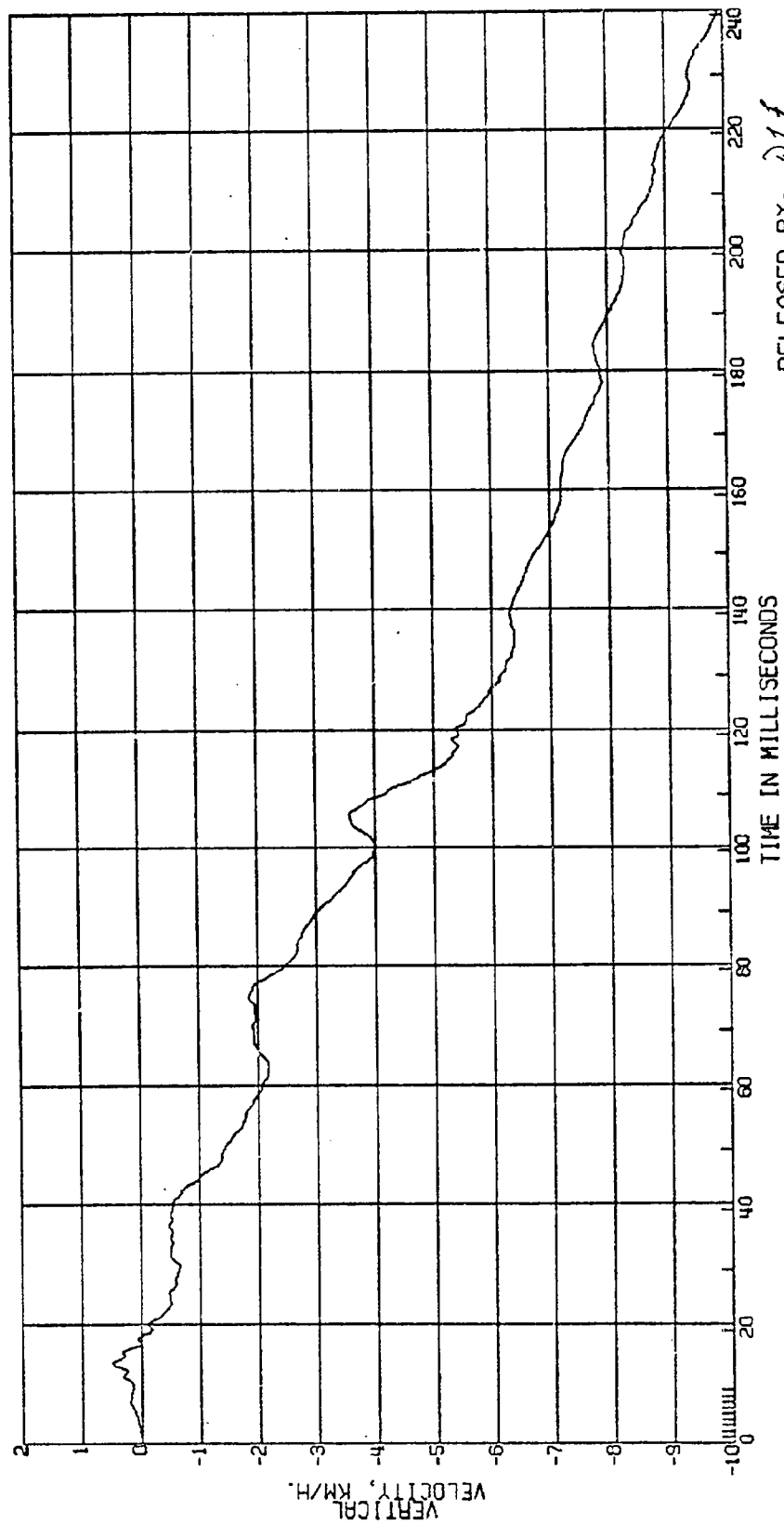
2035-037
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180

MOVING VEHICLE TO PARKED VEHICLE
COMPUTED STRIKING BARR-MID VELOCITY
(1ST INTEGRAL PASS-SIDE ACCELERATION)
TEST DATE: 03-05-84



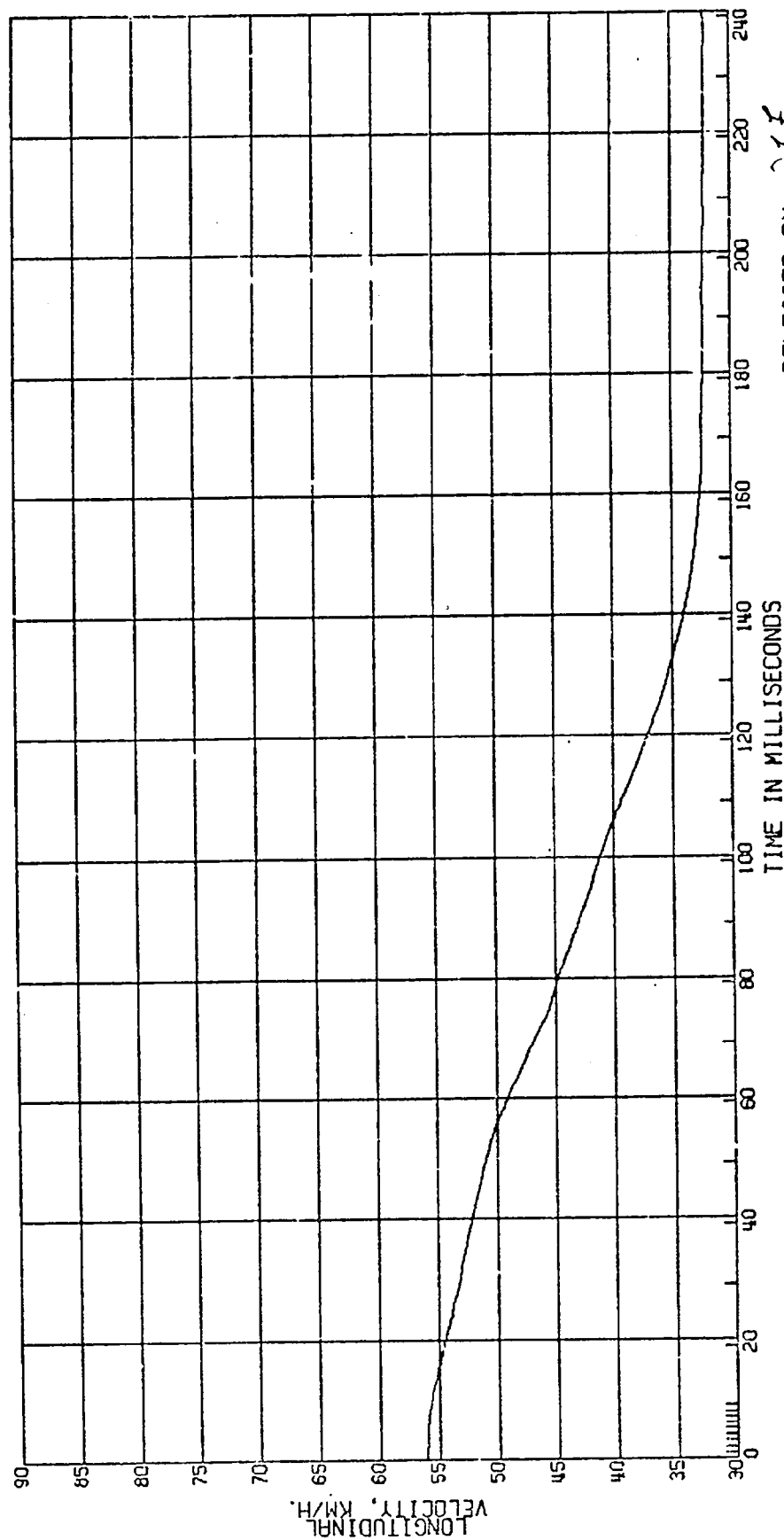
RELEASED BY: *DLF*
35 PROCESSED 30 MAR 84 11:08

C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE ///
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID VELOCITY TEST DATE: 03-29-84
 A-D DATA SAE CLASS 180 (1ST INTEGRAL PASS-SIDE ACCELERATION)



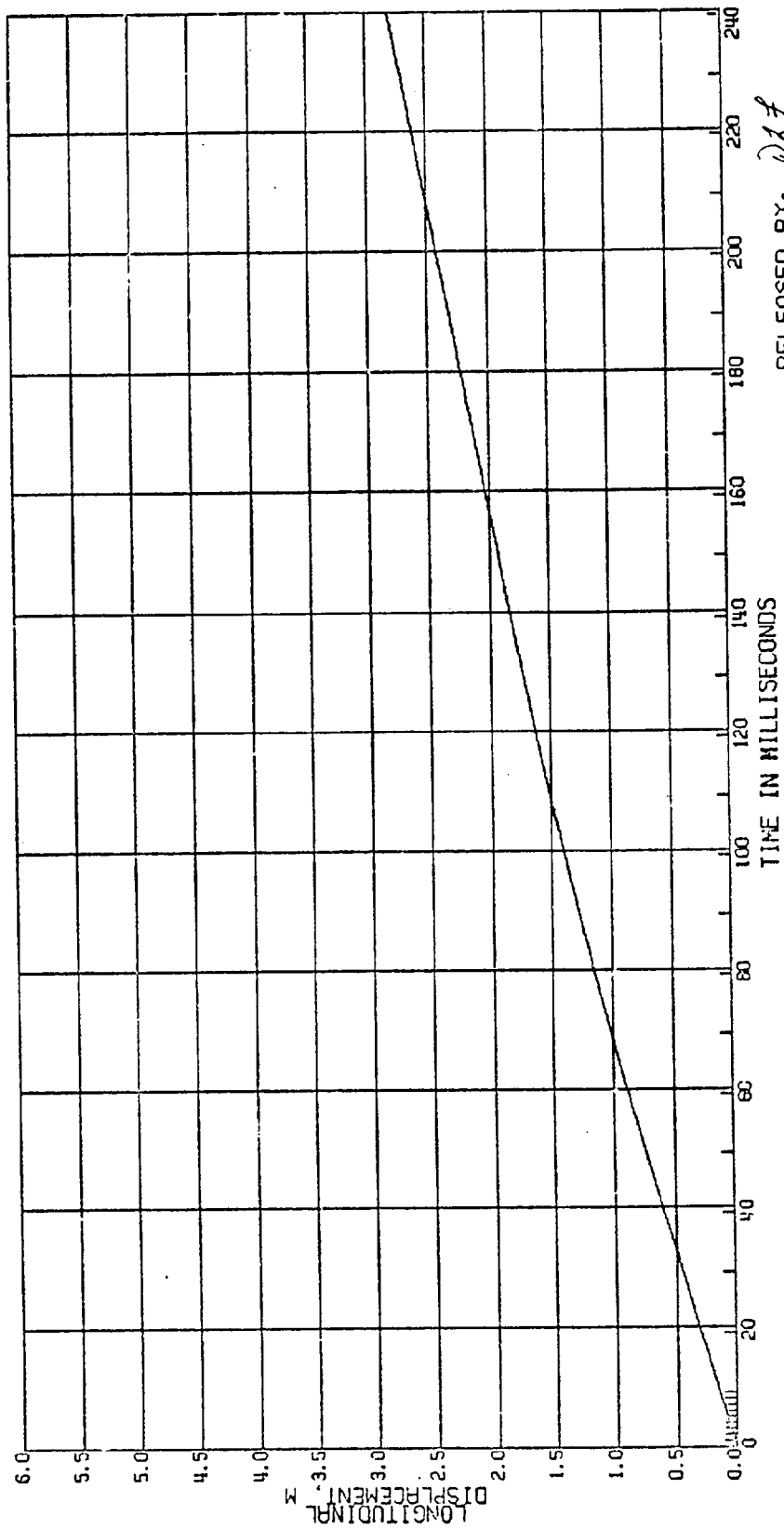
RELEASED BY: *DLF*
 38 PROCESSED 30 MAR 84 11:08

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 112
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 R-D DATA SAE CLASS 180
 COMPUTED STRIKING BARR-MID VELOCITY
 (1ST INTEGRAL AVERAGED ACCELERATION)
 TEST DATE: 03-29-84



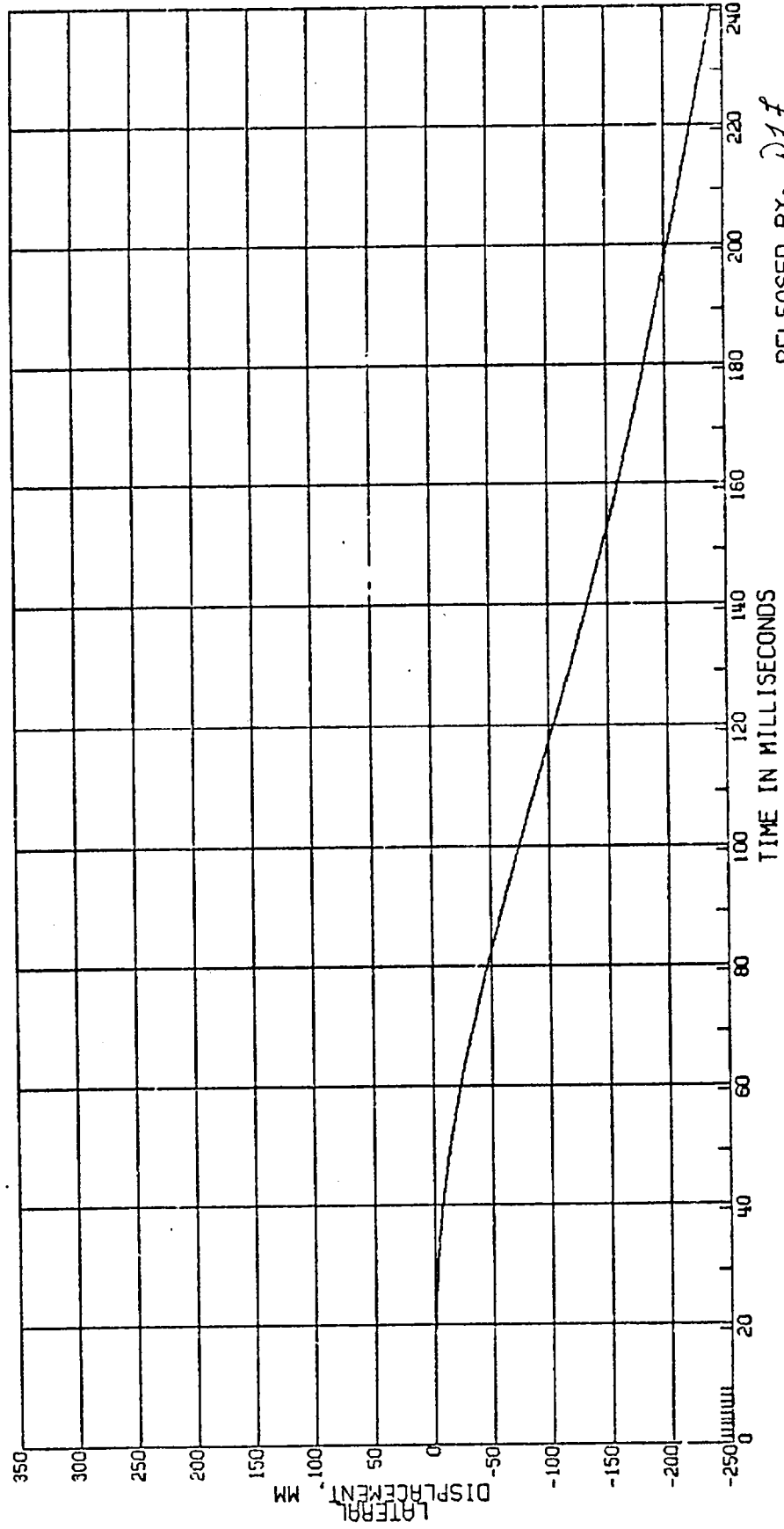
RELEASED BY: *XX*
 41 PROCESSED 30 MAR 84 11:08

C59158 AT SIDE IMP-GODEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 113
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 03-29-84
 A-D DATA SAE CLASS 180 (2ND INTEGRAL DR-SIDE ACCELERATION)



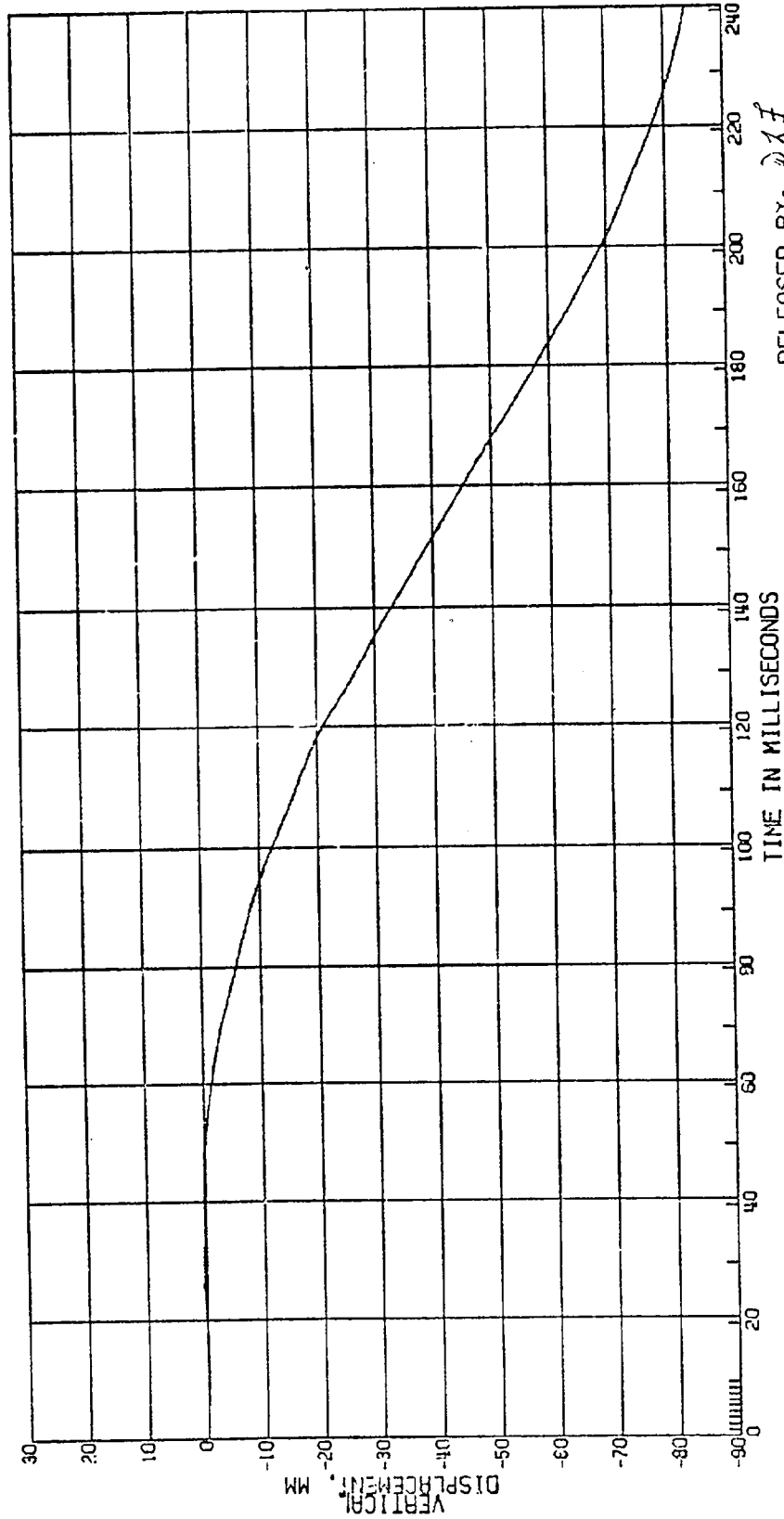
RELEASED BY: *DLF*
 241 PROCESSED 30 MAR 84 11:06

C5915B RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 114
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 03-29-84
 A-0 DATA SAE CLASS 180 (2ND INTEGRAL DR-SIDE ACCELERATION)



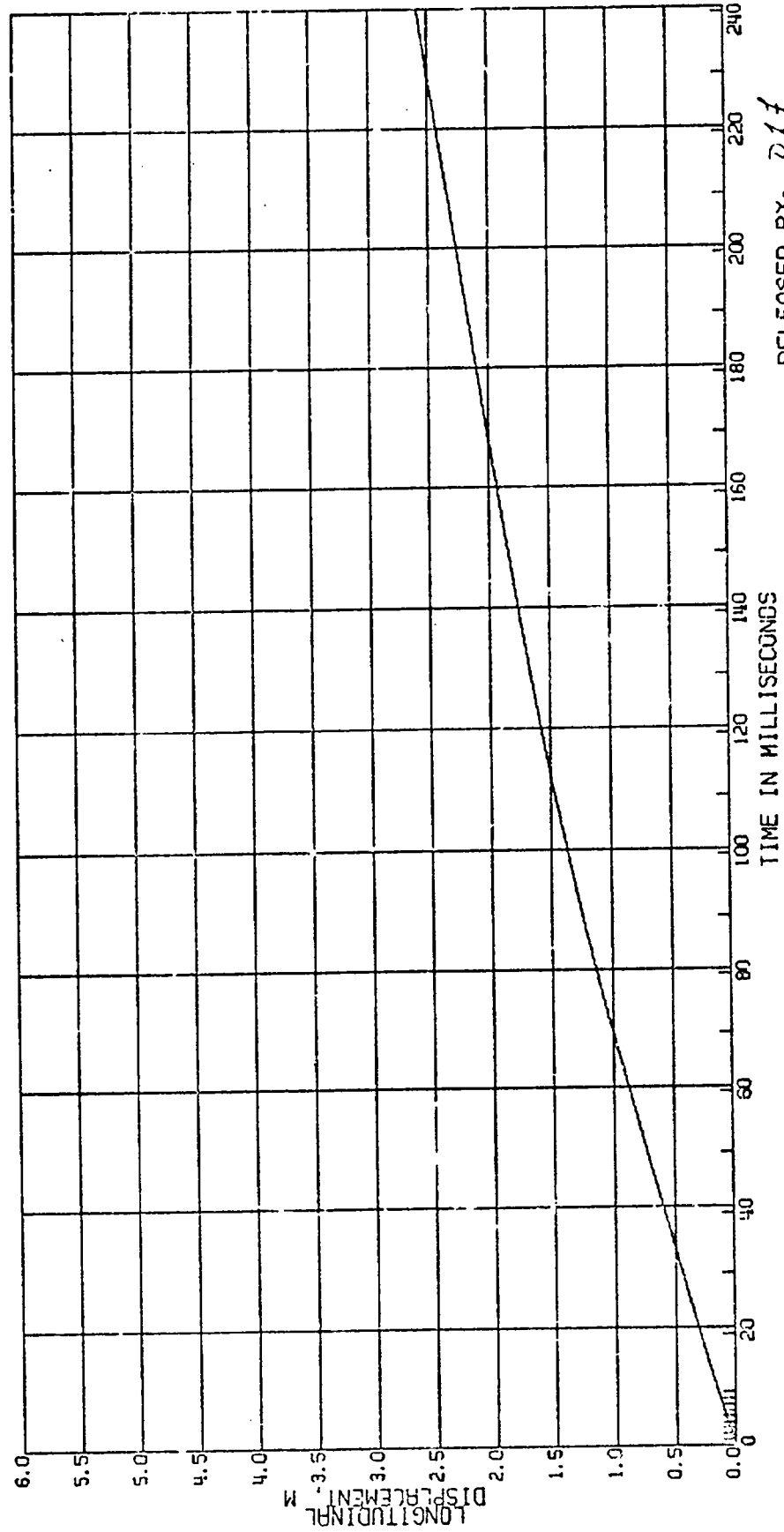
RELEASED BY: DJF
 27 PROCESSED 30 MAR 84 11:07

CS9158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 115
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 03-29-84
 A-D DATA SAE CLASS 180 (2ND INTEGRAL OR-SIDE ACCELERATION)



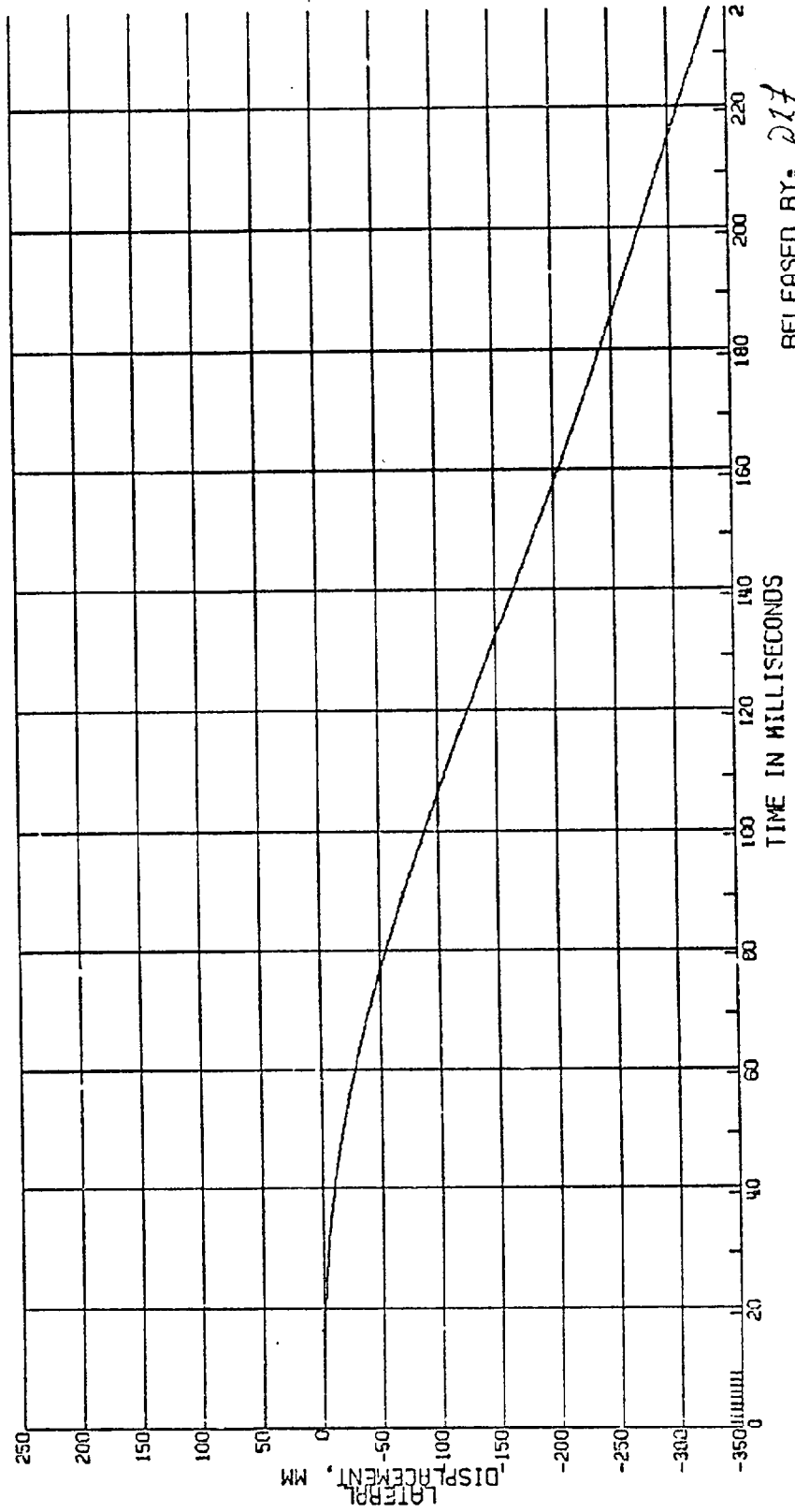
RELEASED BY: *DLF*
 30 PROCESSED 30 MAR 84 11:07

C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 11C
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 03-29-84
 A-D DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION)

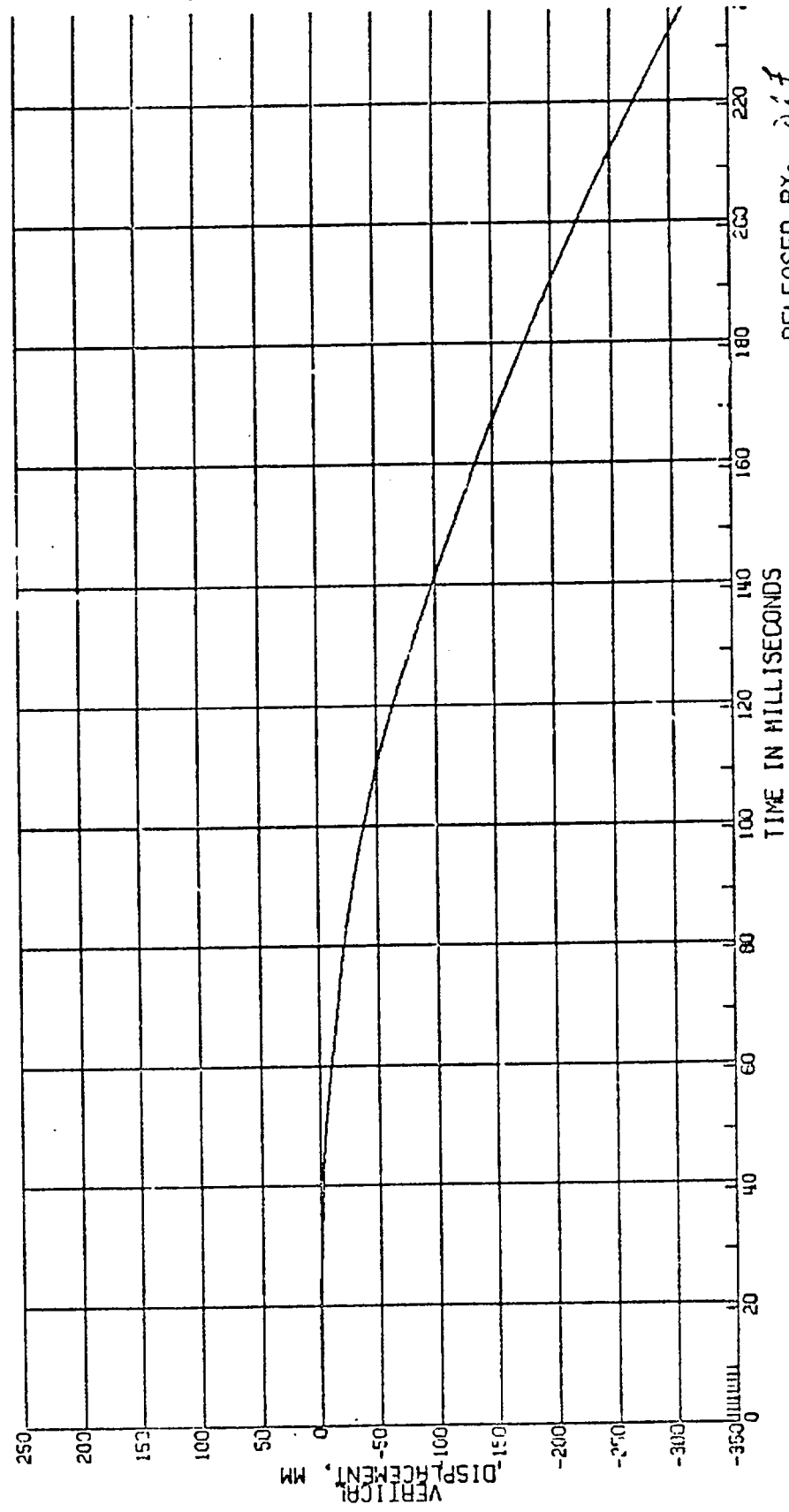


RELEASED BY: *D13*
 33 PROCESSED 30 MAR 84 11:07

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 117
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE:03-29-88
 A-D DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION)

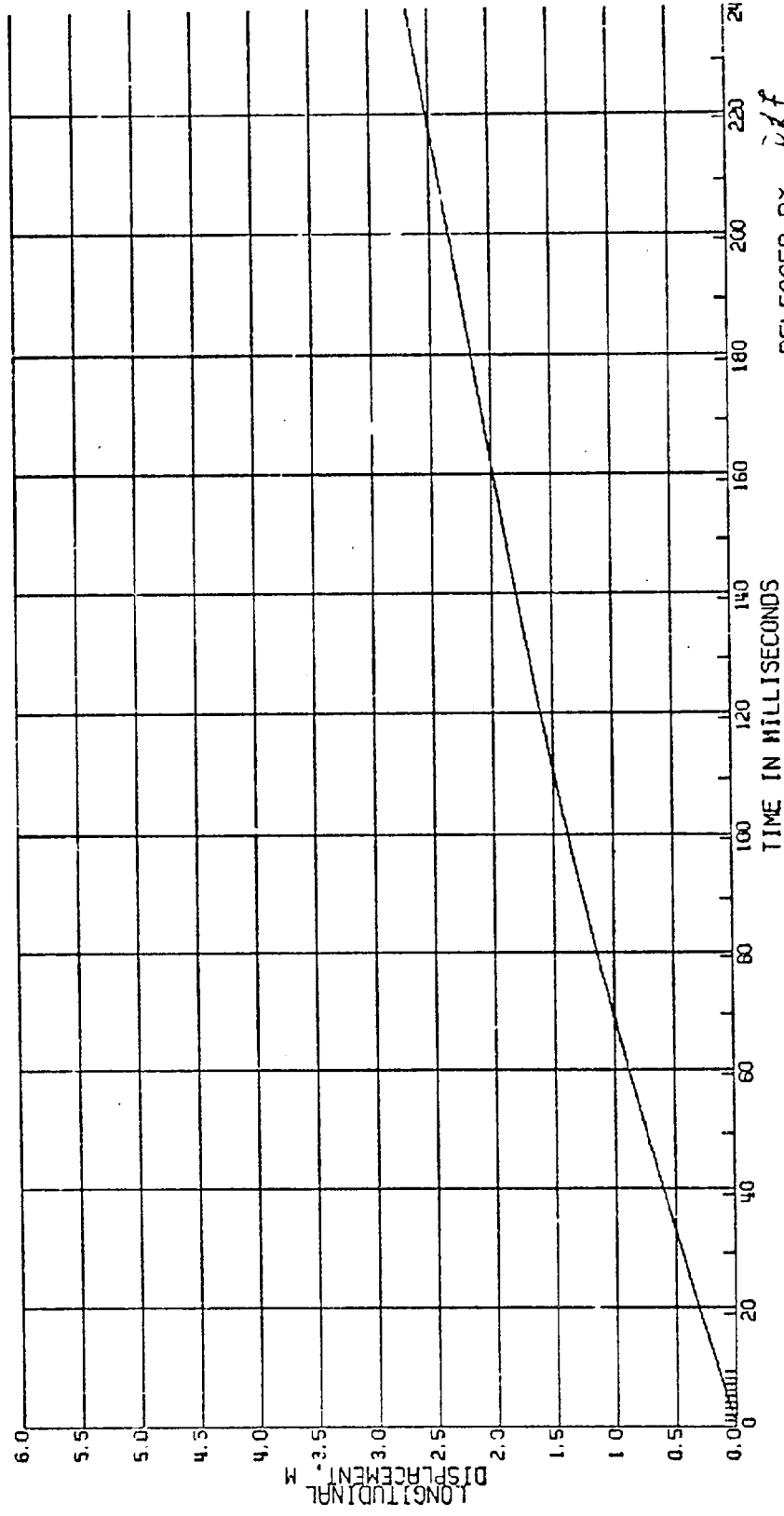


C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 118
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 03-23-84
 A-D DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION)



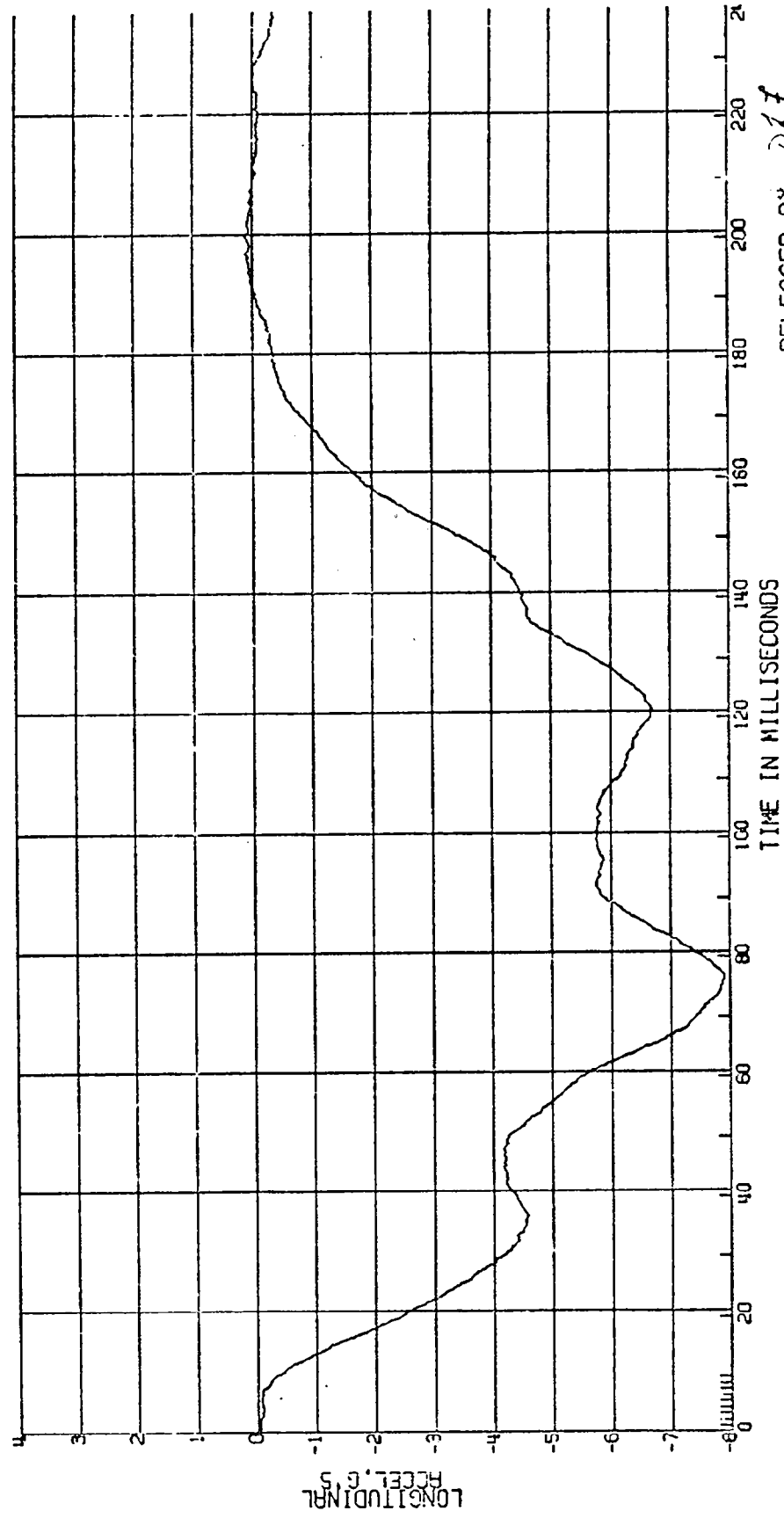
RELEASED BY: *DLF*
 39 PROCESSED 30 MAR 84 11:08

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1 KM/H FIGURE 17
 3865-337
 FISHER BODY NHTSA BARR. STRIKE COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 03-29-8
 A-D DATA SAE CLASS 180 (2ND INTEGRAL AVERAGED ACCELERATION)



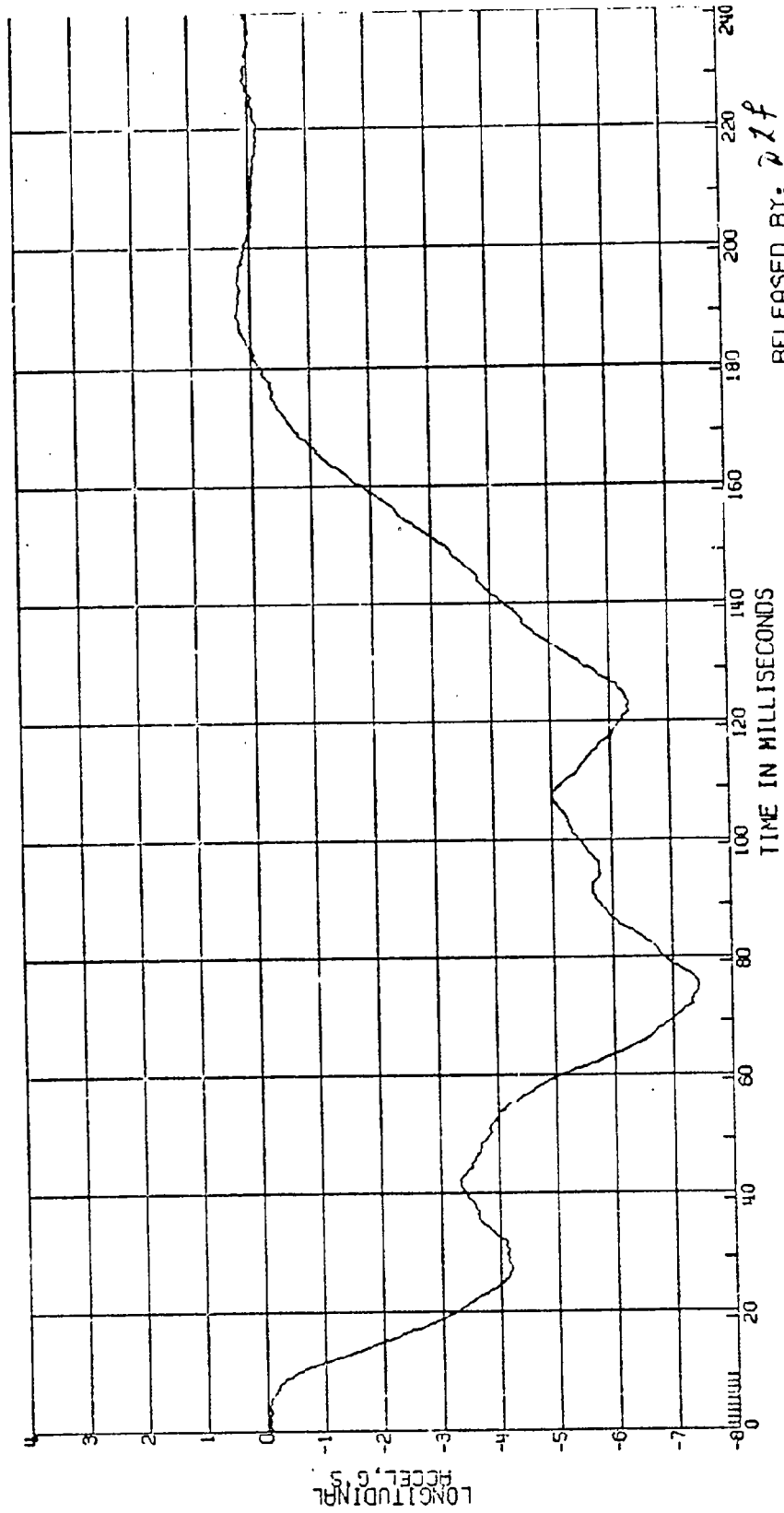
RELEASED BY: *WLF*
 42 PROCESSED 30 MAR 84 11:09

C59158 RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 120
 3865-337
 FISHER BODY NHTSA BARR. STRIKE STRIKING VEH KINEMATICS-AX0 ACCEL.
 A-D DATE SAE CLASS 180 TEST DATE:03-29-8



RELEASED BY: DJF
 43 PROCESSED 30 MAR 84 11:09

C59158 RT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 121
 3865-337 STRIKING VEH KINEMATICS-AX1 ACCEL. TEST DATE:03-29-84
 FISHER BODY NHTSA BARR. STRIKE
 A-C DATA SAE CLASS 180



RELEASED BY: *27f*
 44 PROCESSED 30 MAR 84 11:09

C5915B AT SIDE IMP-GODEC DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 122

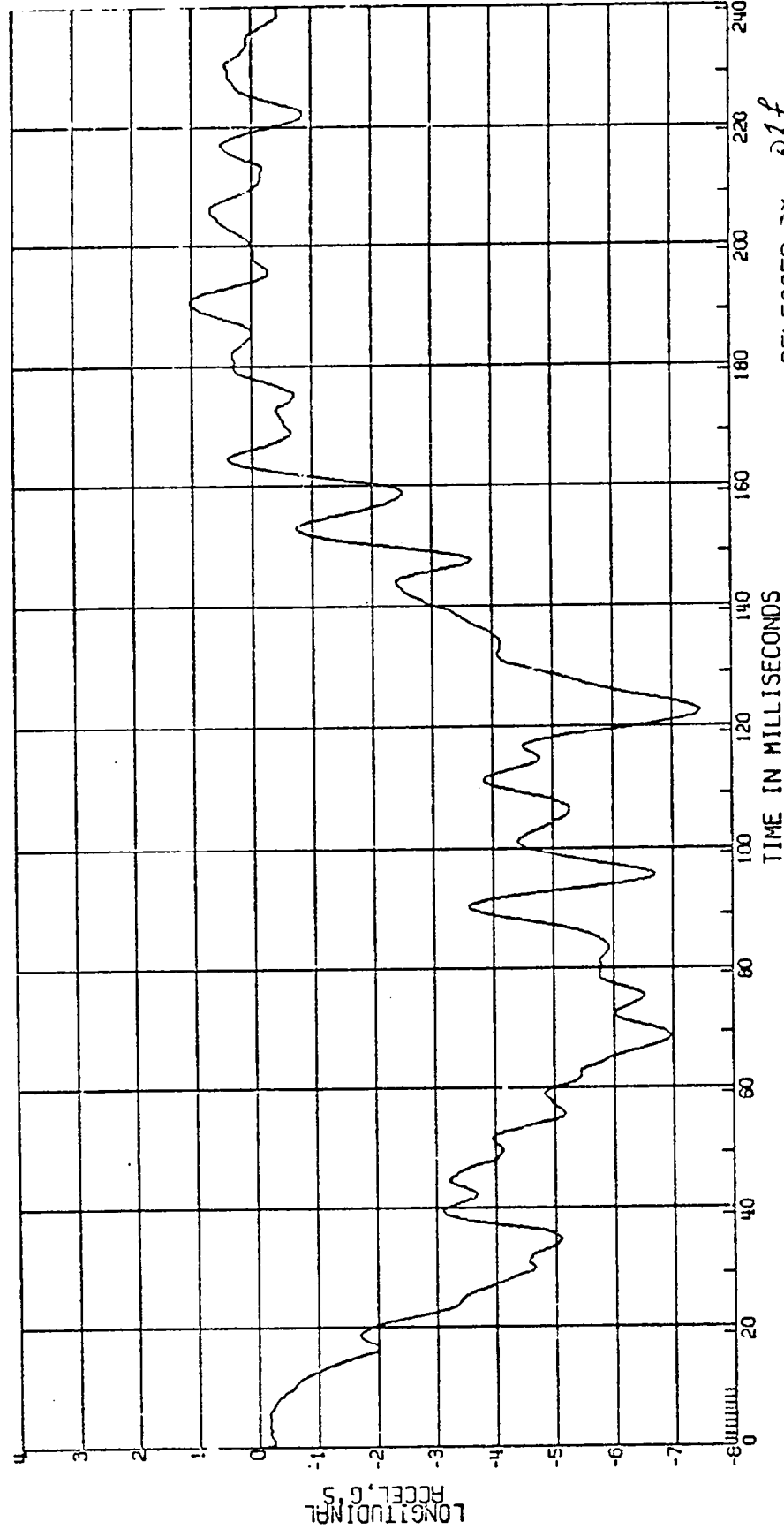
3865-337

FISHER BODY NHTSA BARR. STRIKE

A-D DATA SRE CLASS 180

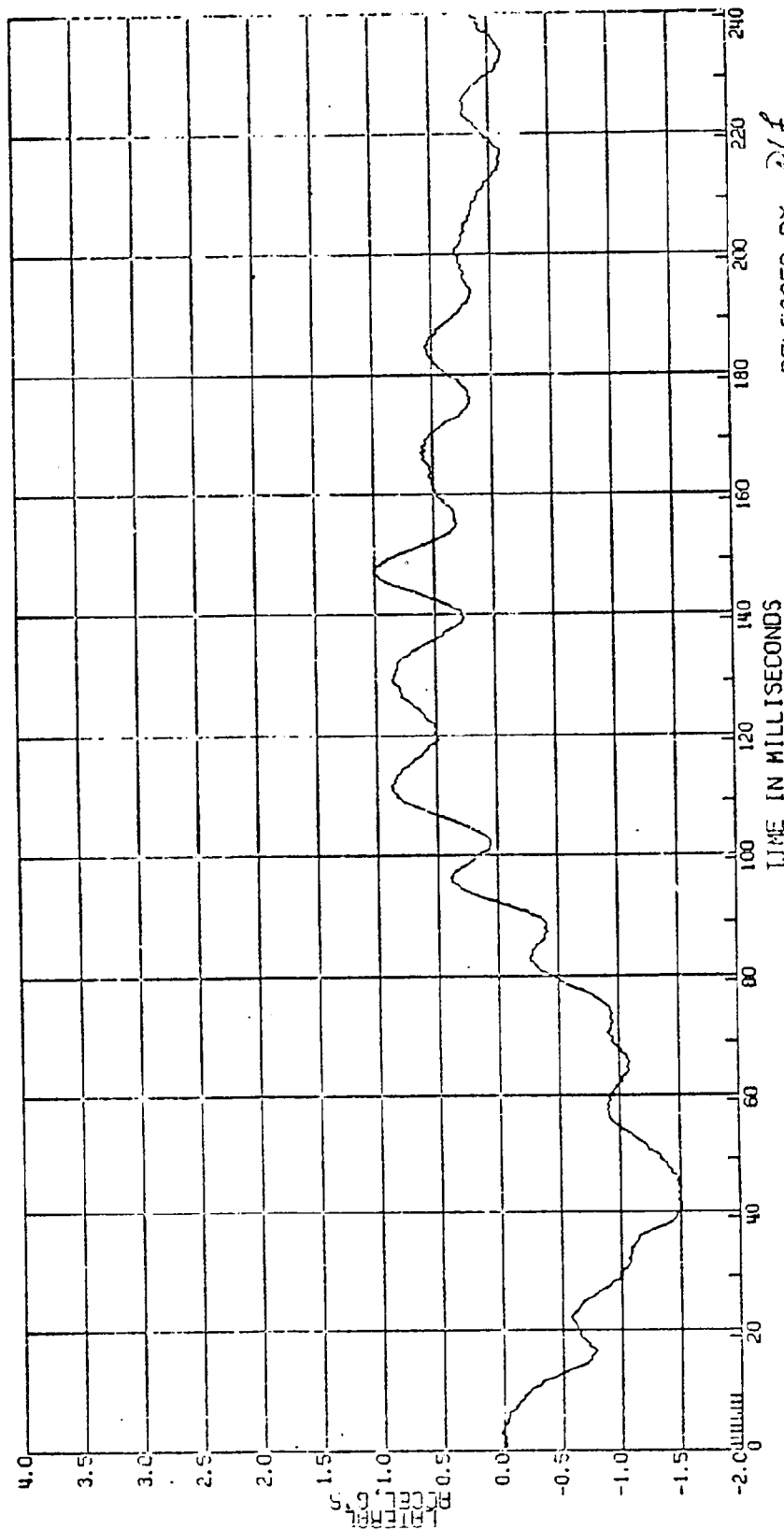
STRIKING VEH KINEMATICS-AX3 ACCEL.

TEST DATE:03-29-64



RELEASED BY: *dlf*
45 PROCESSED 30 MAR 64 11:09

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 123
 3865-337 STRIKING VEH KINEMATICS-AYO ACCEL. TEST DATE:03-29-84
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 150



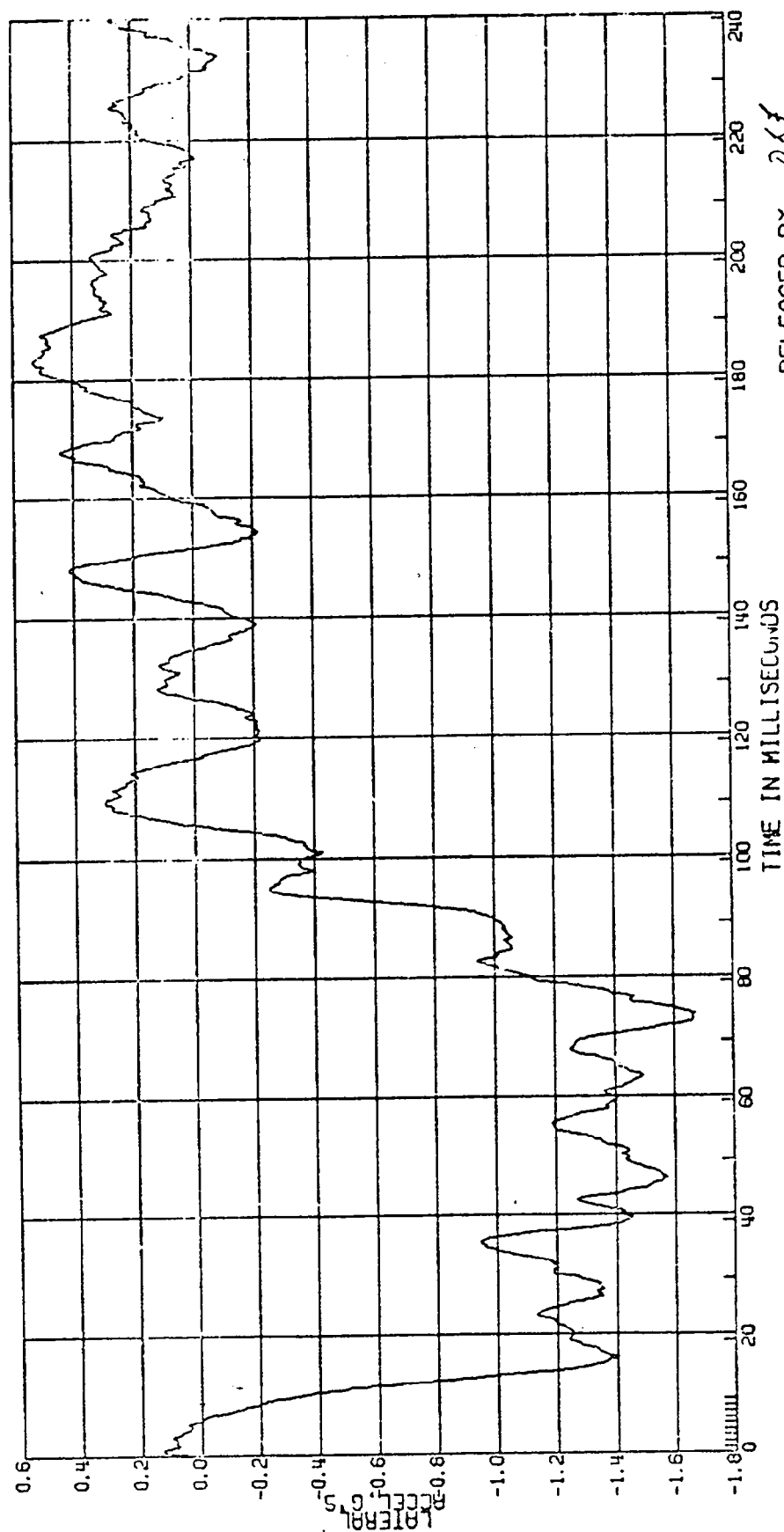
RELEASED BY: *2/f*
 45 PROCESSED 30 MAR 84 11:09

11.
 12.
 13.
 14.
 15.
 16.
 17.
 18.
 19.
 20.

STRIKE
NUTSA BARR.
SAE CLASS 160

SECRET

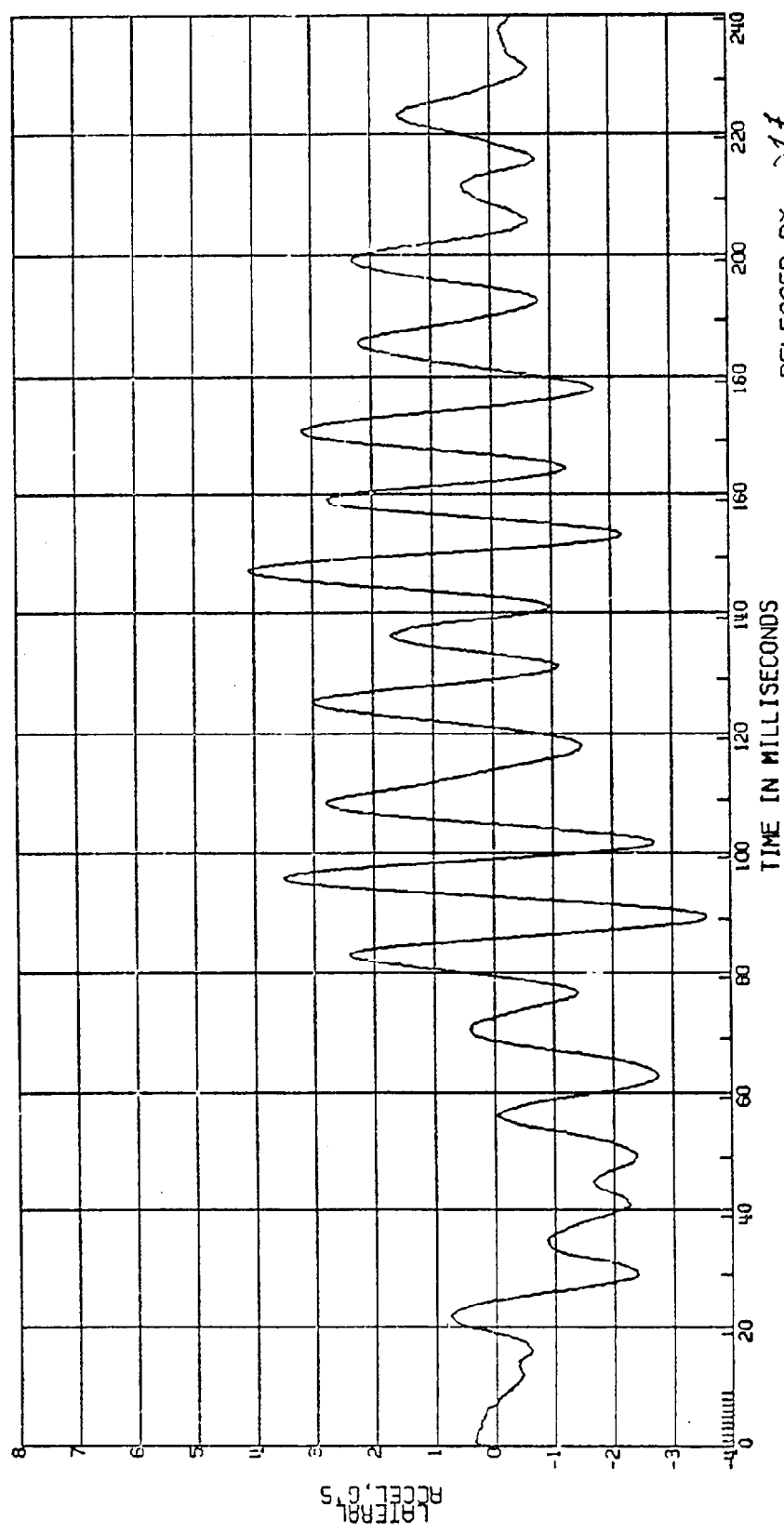
1957



REFUSED BY: 213

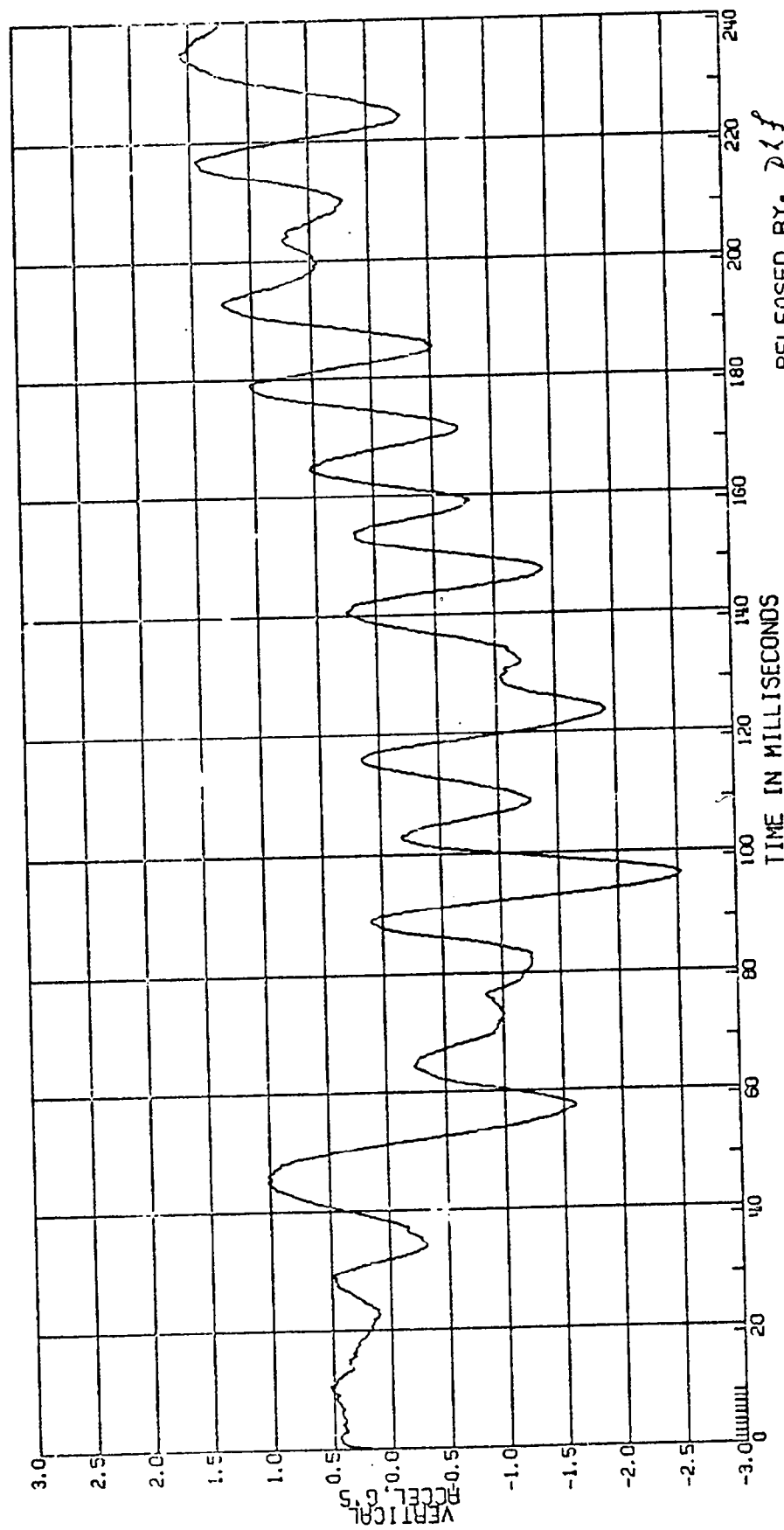
47 PROCESSED 30 MAR 84 11,09

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 125
 3865-337
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180 TEST DATE:03-29-84



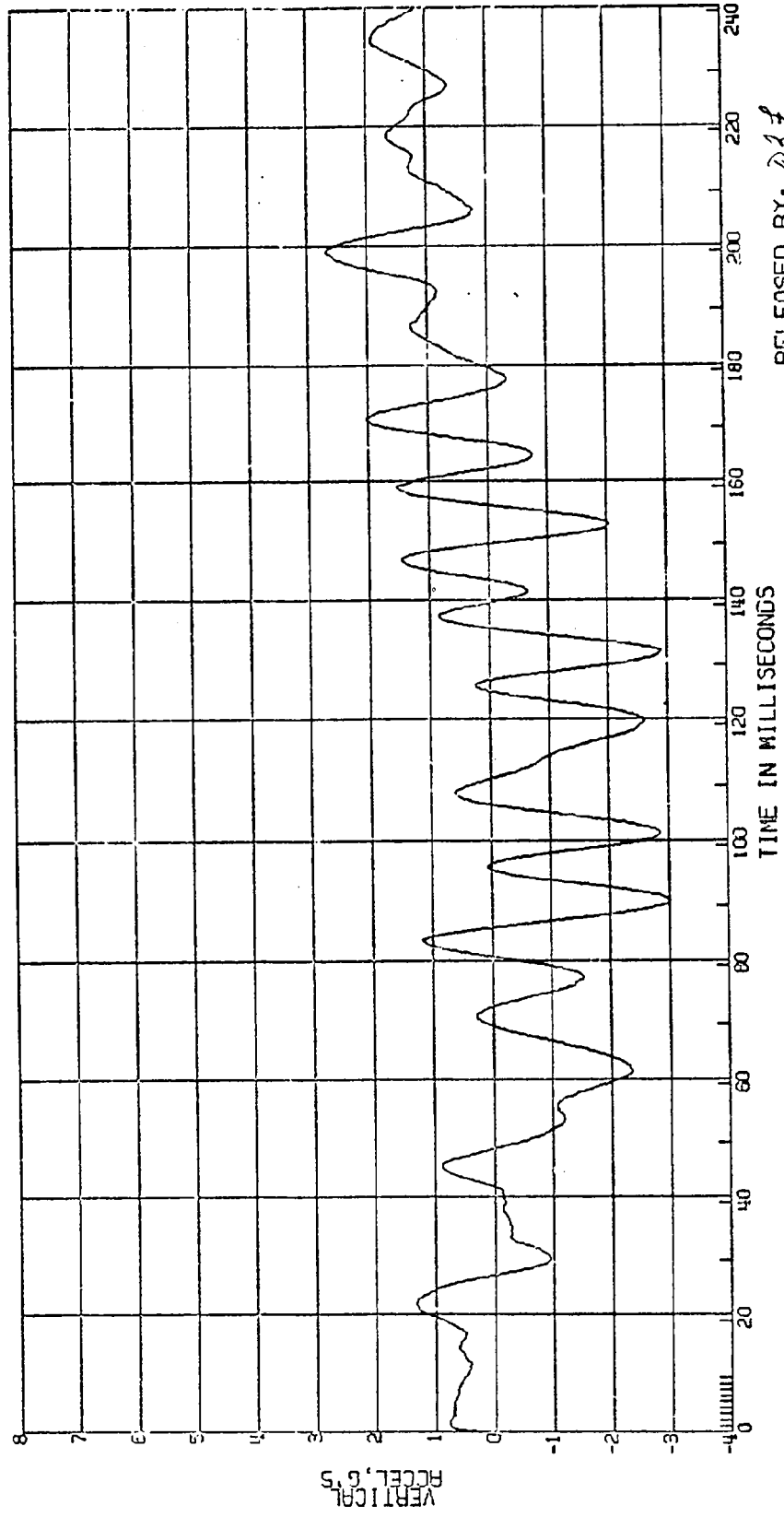
RELEASED BY: *DAF*
 48 PROCESSED 30 MAR 84 11:09

C5915B AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 14
 3865-337 STRIKING VEH KINEMATICS-AZ0 ACCEL. TEST DATE:03-29-84
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180



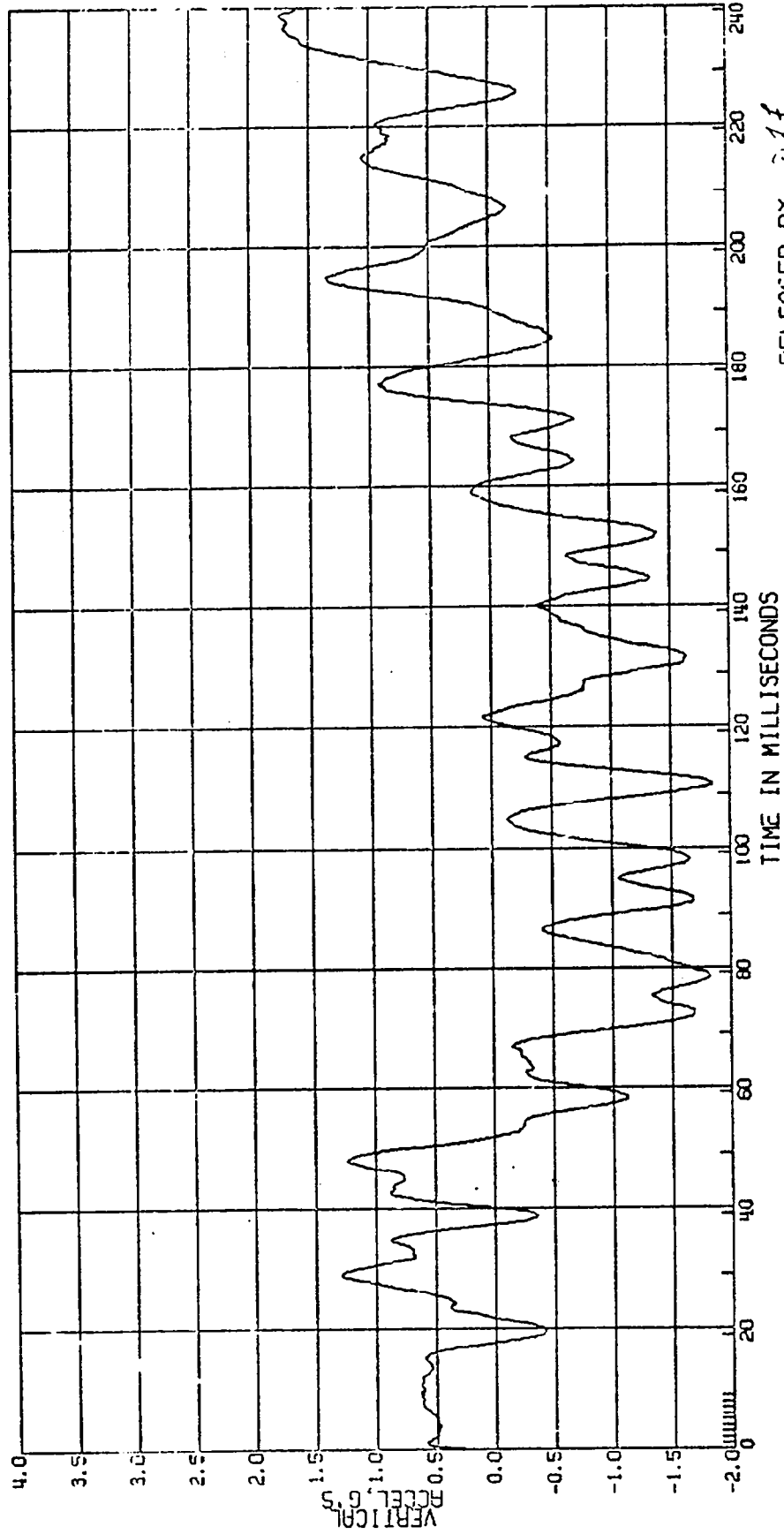
RELEASED BY: *DLF*
 49 PROCESSED 30 MAR 84 11:09

C59158 AT SIDE IMP-60DEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 127
3895-337
FISHER BODY NHTSA BARR. STRIKE
A-D DATA SAE CLASS 180 TEST DATE:03-29-84



RELEASED BY: *218*
50 PROCESSED 30 MAR 84 11:09

C5915B RT SIDE IMP-GODEG DIFF MOVING VEHICLE TO PARKED VEHICLE 56.1KM/H FIGURE 128
 3865-337 STRIKING VEH KINEMATICS-AZ2 ACCEL. TEST DATE:03-29-94
 FISHER BODY NHTSA BARR. STRIKE
 A-D DATA SAE CLASS 180



RELEASED BY: 22f
 51 PROCESSED 30 MAR 84 11:10

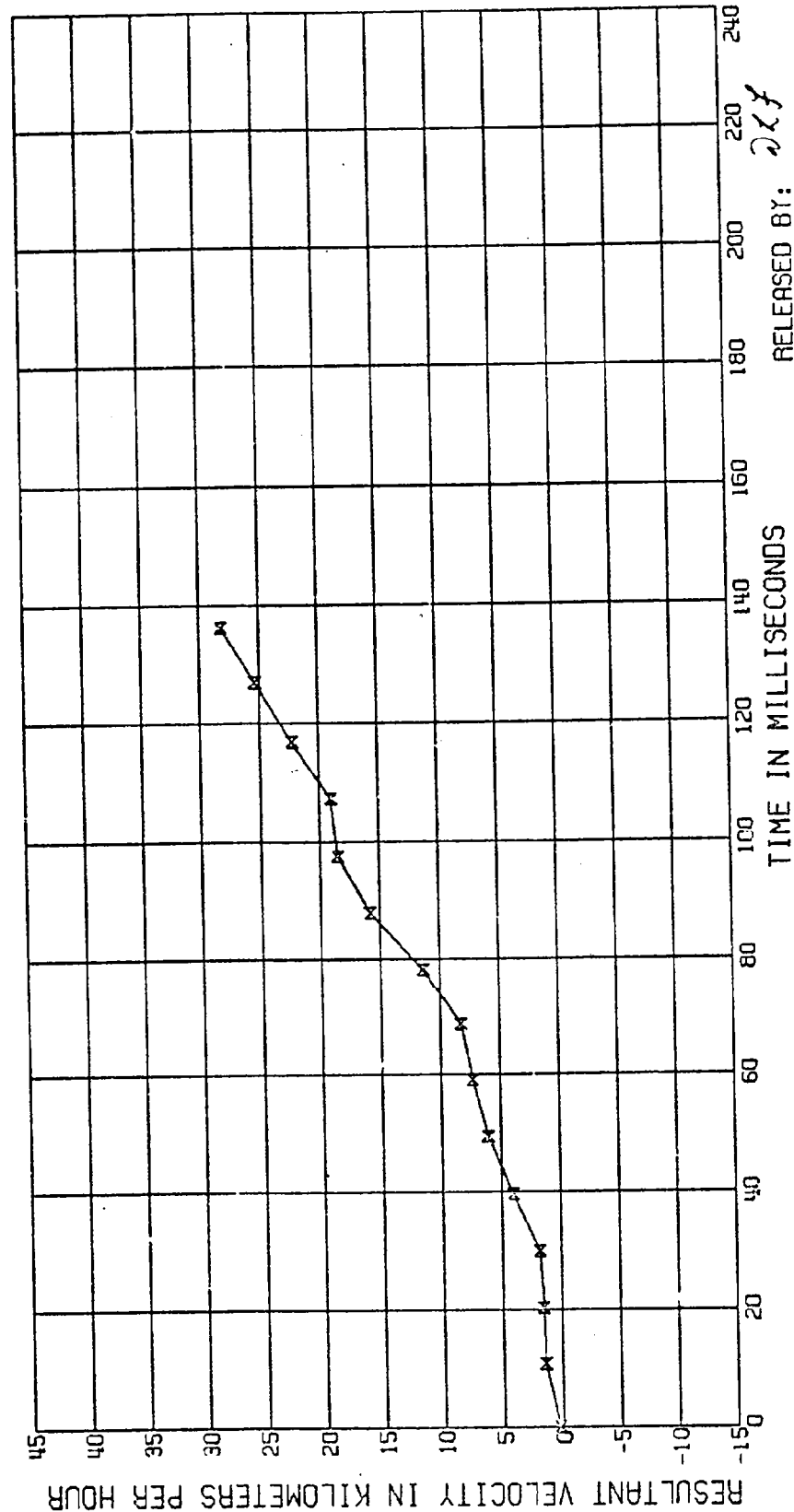
C5915 AT SIDE IMPACT 60 DEG MOVING BARRIER TO PARKED VEHICLE
 3865-337
 FISHER BODY CC457 3JC77 OVERHEAD VIEW
 FILM DATA

FIGURE 129

TEST DATE: 03-29-84

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

STRUCK VEH. TARGET RELATIVE TO GROUND REFERENCE



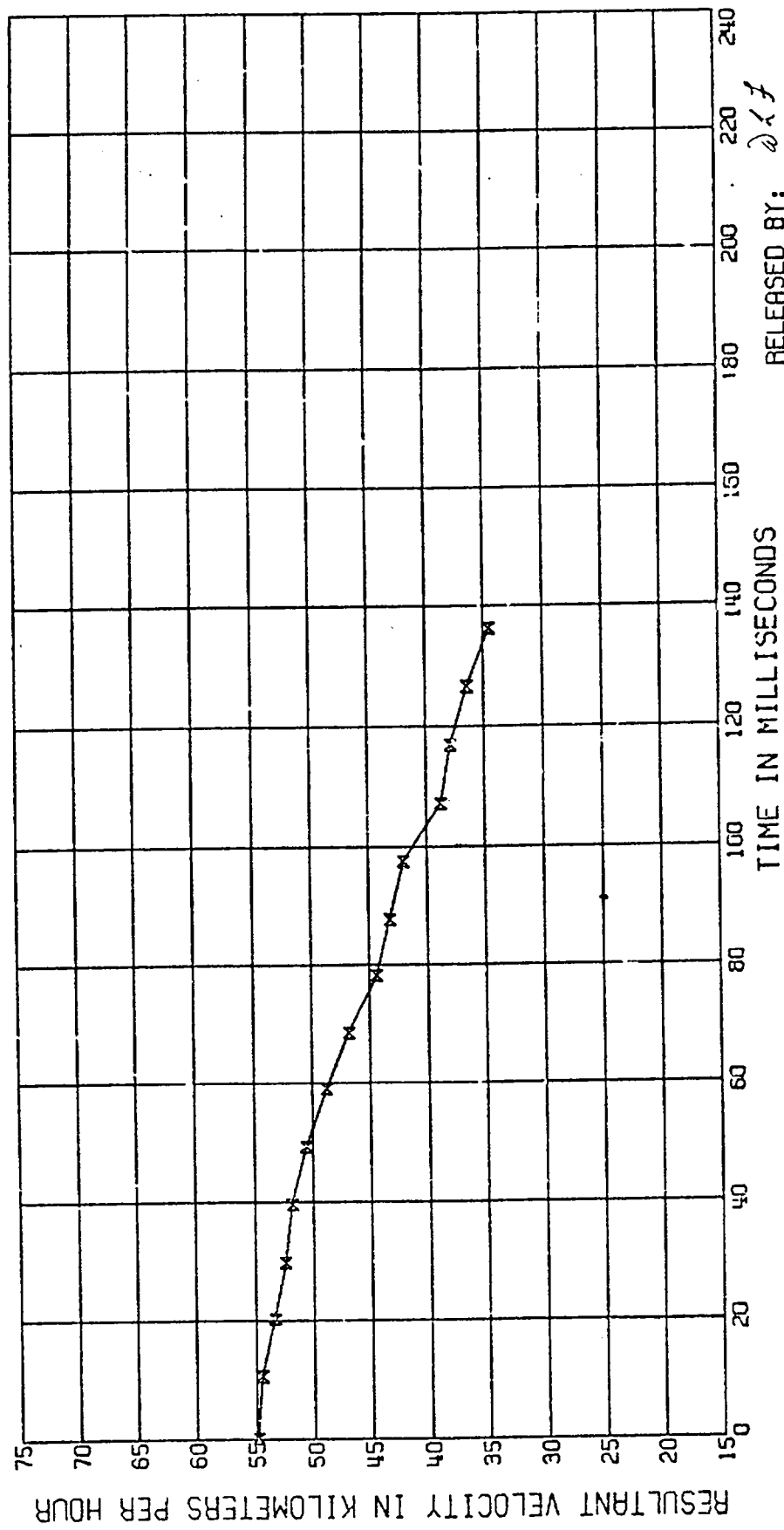
RELEASED BY: *DLF*
 7 PROCESSED 12 APR 84 10:10

CS915 AT SIDE IMPACT 60 DEG MOVING BARRIER TO PARKED VEHICLE
 3865-337
 FISHER BODY CC457 3JC77
 FILM DATA OVERHEAD VIEW
 TEST DATE: 03-29-84

FIGURE 130

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

MOVING BARR TARGET RELATIVE TO GROUND REFERENCE



RELEASED BY: *DLJ*
 11 PROCESSED 12 APR 84 10:10

C5915 AT SIDE IMPACT 60 DEG
3825-337
FISHER BODY CC457 3JC77
FILM DATA

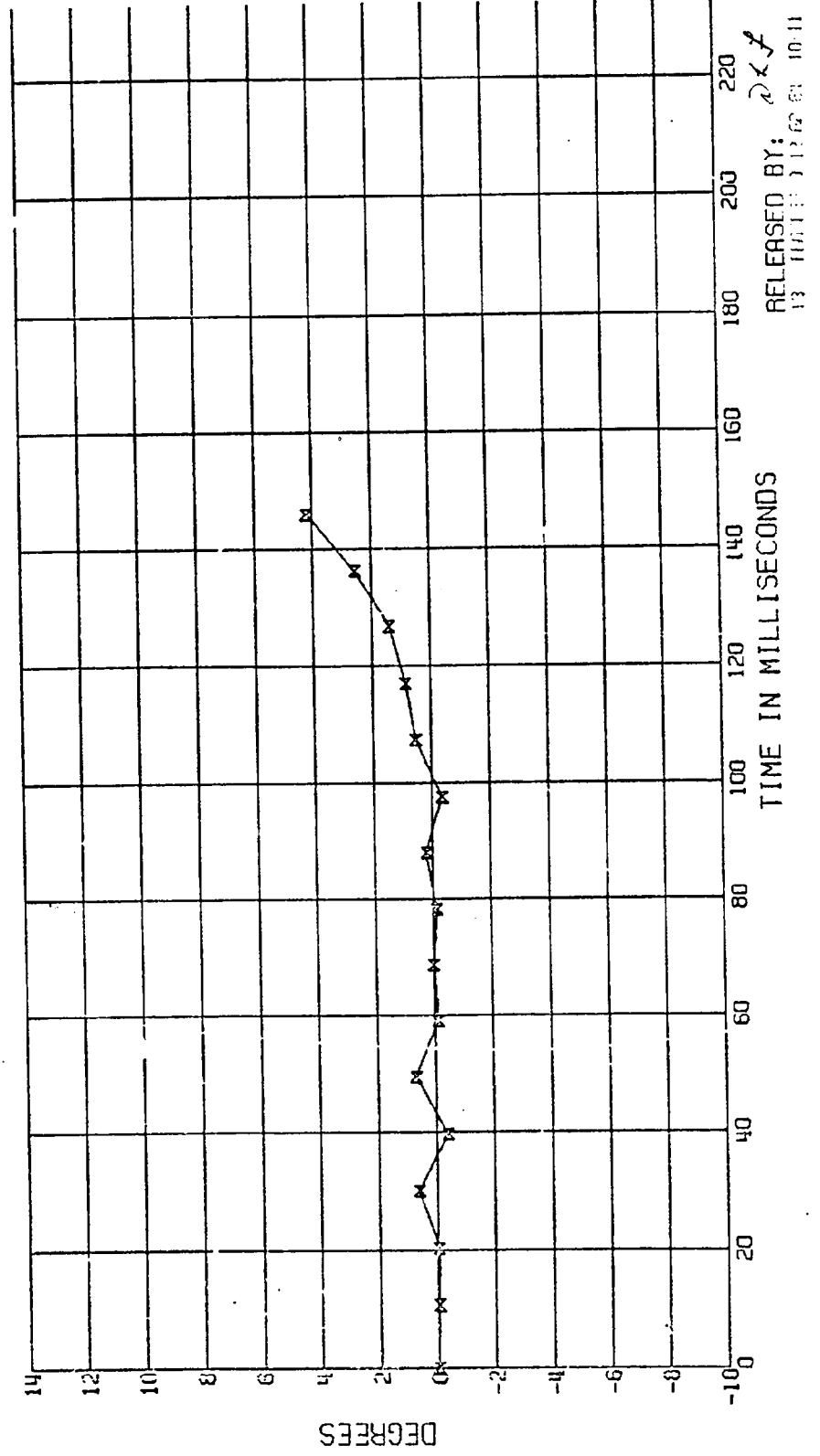
MOVING BARRIER TO PARKED VEHICLE

OVERHEAD VIEW

FIGURE 13 /

TEST DATE: 03-29-4

STRUCK VEHICLE ANGLE RELATIVE TO GROUND REFERENCE



C5915 RT SIDE IMPACT 60 DEG
 3065-337
 FISHER BODY CC457 3JC77
 FILM DATA

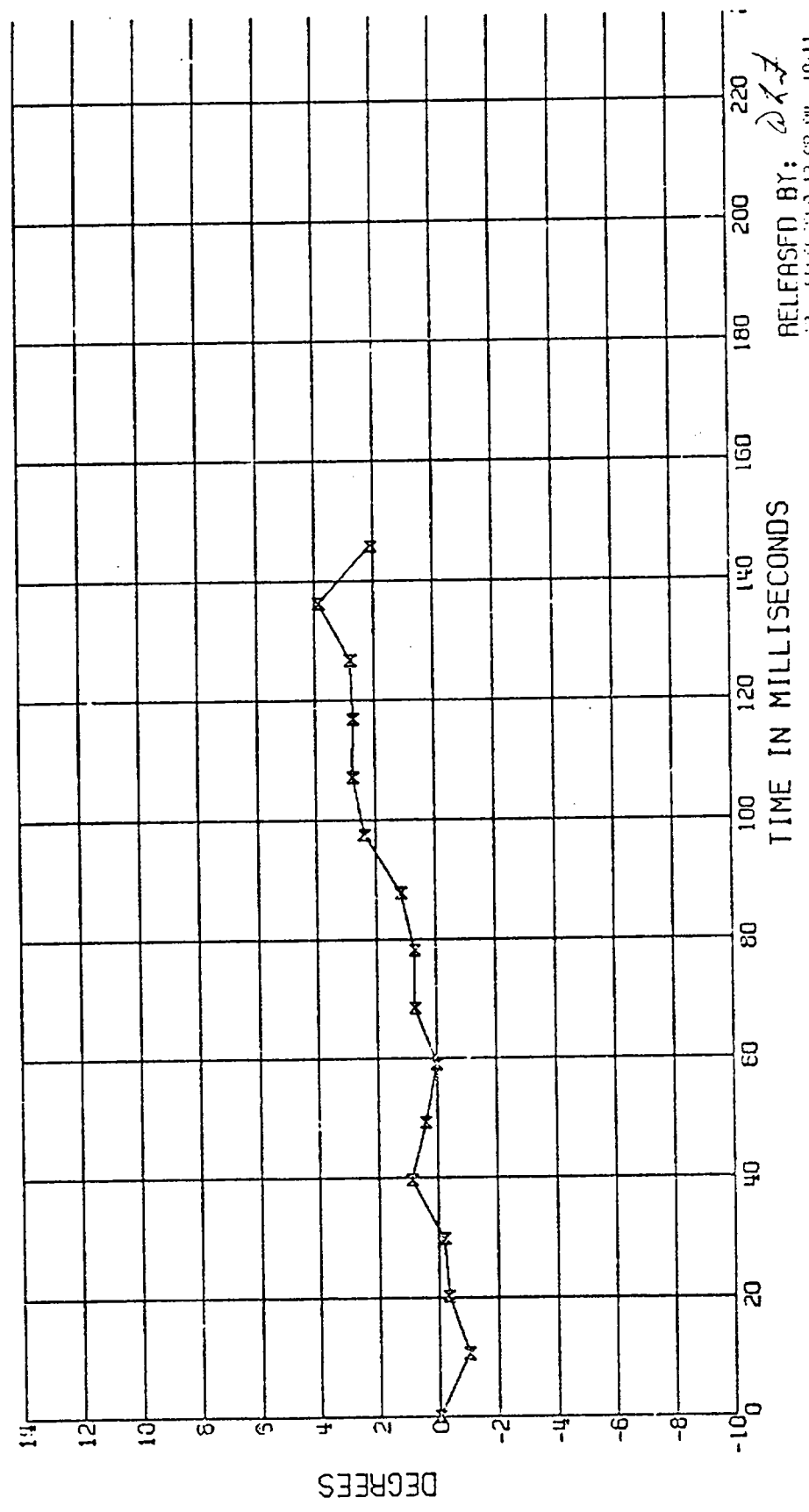
FIGURE 132

TEST DATE: 03-29-8

MOVING BARRIER TO PARKED VEHICLE

OVERHEAD VIEW

MOVING BARRIER ANGLE RELATIVE TO GROUND REFERENCE



RELEASED BY: *DLA*
 17 APR 1980 12 00 PM 10-11

CS9:5 AT SIDE IMPACT 60 DEG
3865-337
FISHER BODY
FILM DATA

MOVING BARRIER TO PARKED VEHICLE

OVERHEAD VIEW

TEST DATE: 03-29-84

FIGURE 133

MOVING BARRIER ANGLE RELATIVE TO STRUCK VEHICLE ANGLE
(NHTSA)

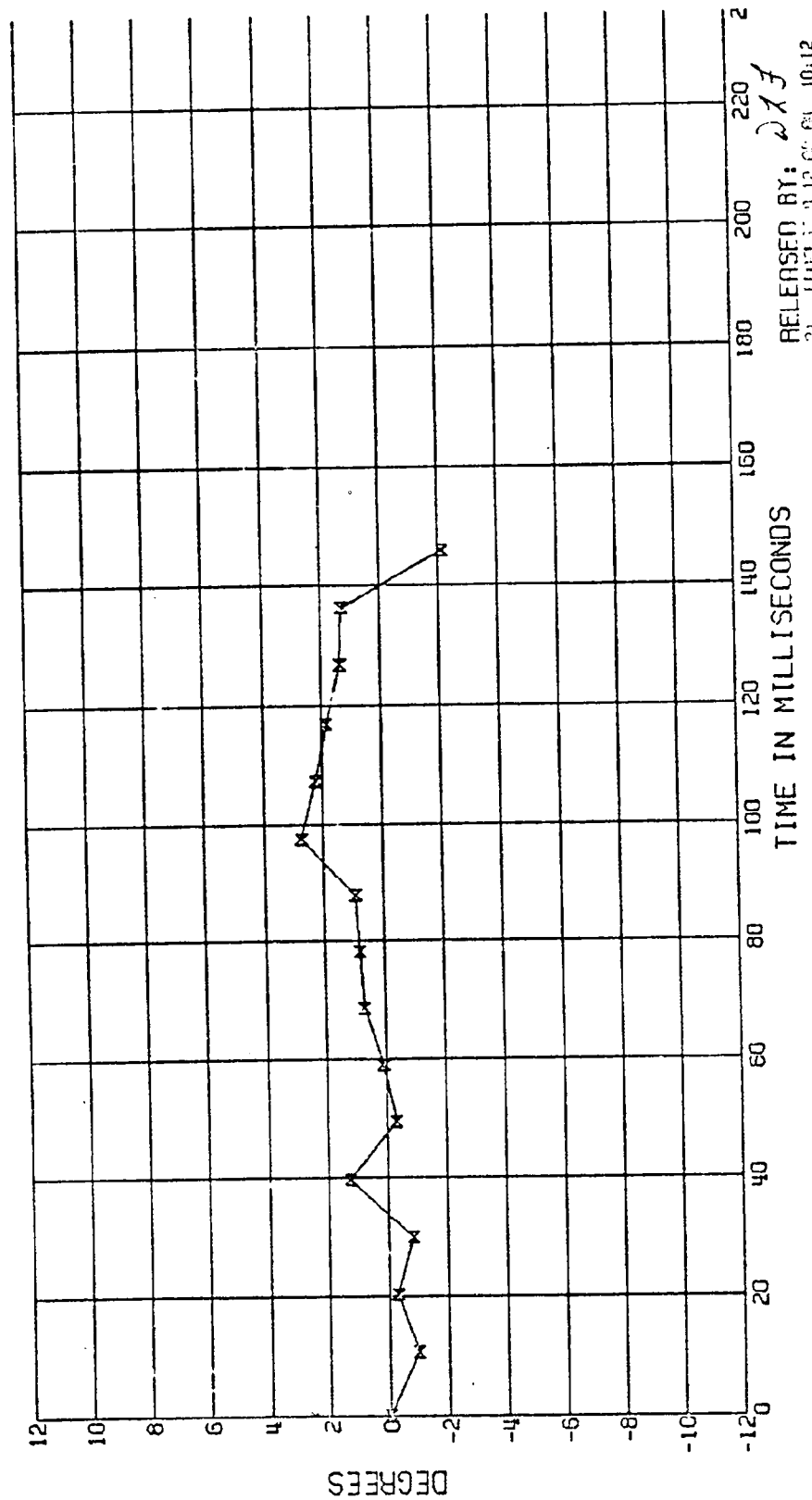


FIGURE 134

MOVING BARRIER TO PARKED VEHICLE

C5915 AT SIDE IMPACT 60 DEG

3665-337

FISHER BODY CC457 3JC77

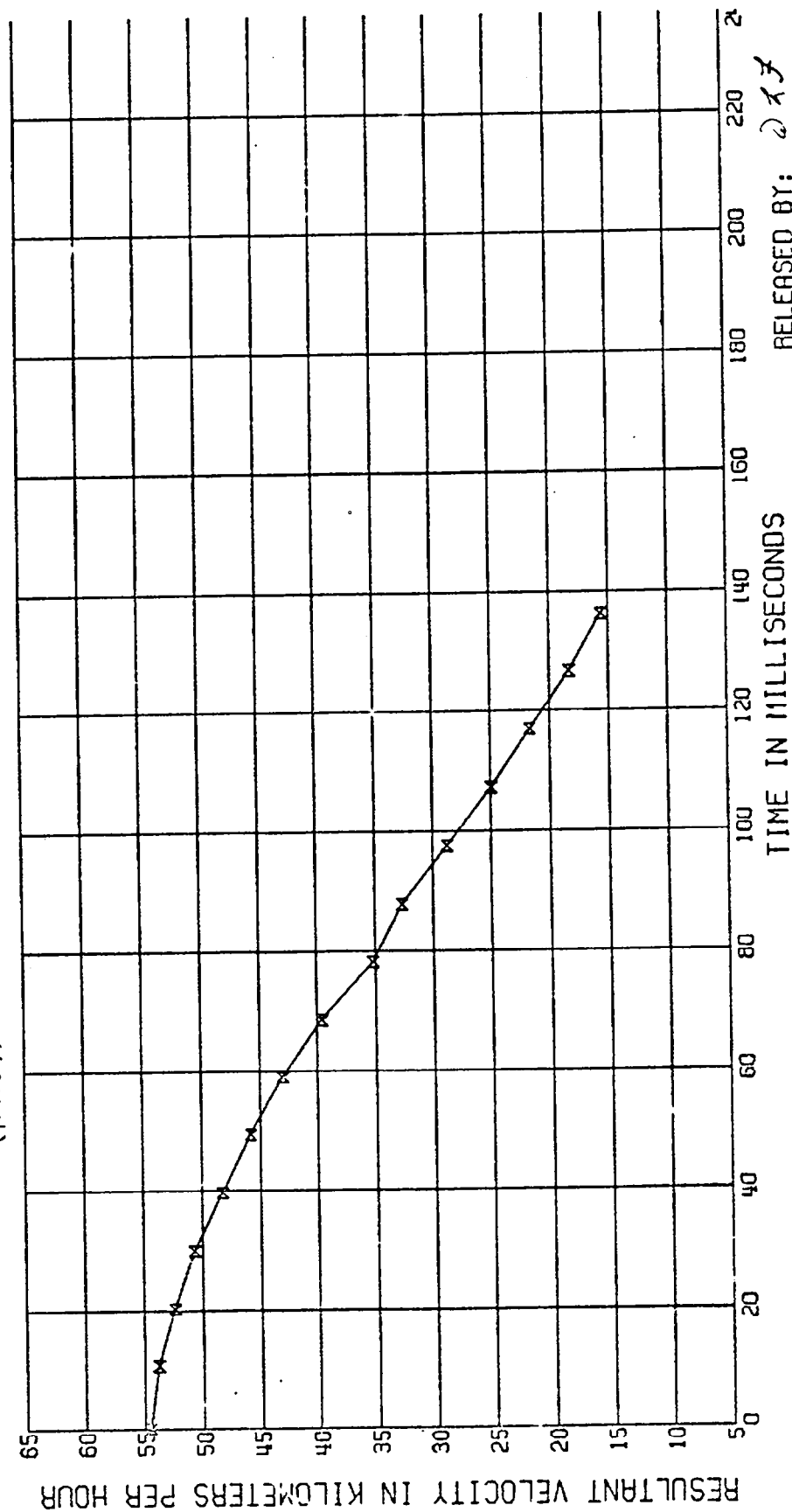
FILM DATA

OVERHEAD VIEW

TEST DATE: 03-29-84

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

VELOCITY (M/SEC) FOR TARGET RELATIVE TO STRUCK VEH. TARGET
(NHTSA)



RELEASED BY: 217
3-29-84 12:12 PM

FIGURE 135

MOVING BARRIER TO PARKED VEHICLE

C5915 AT SIDE IMPACT 60 DEG

3865-337

FISHER BODY

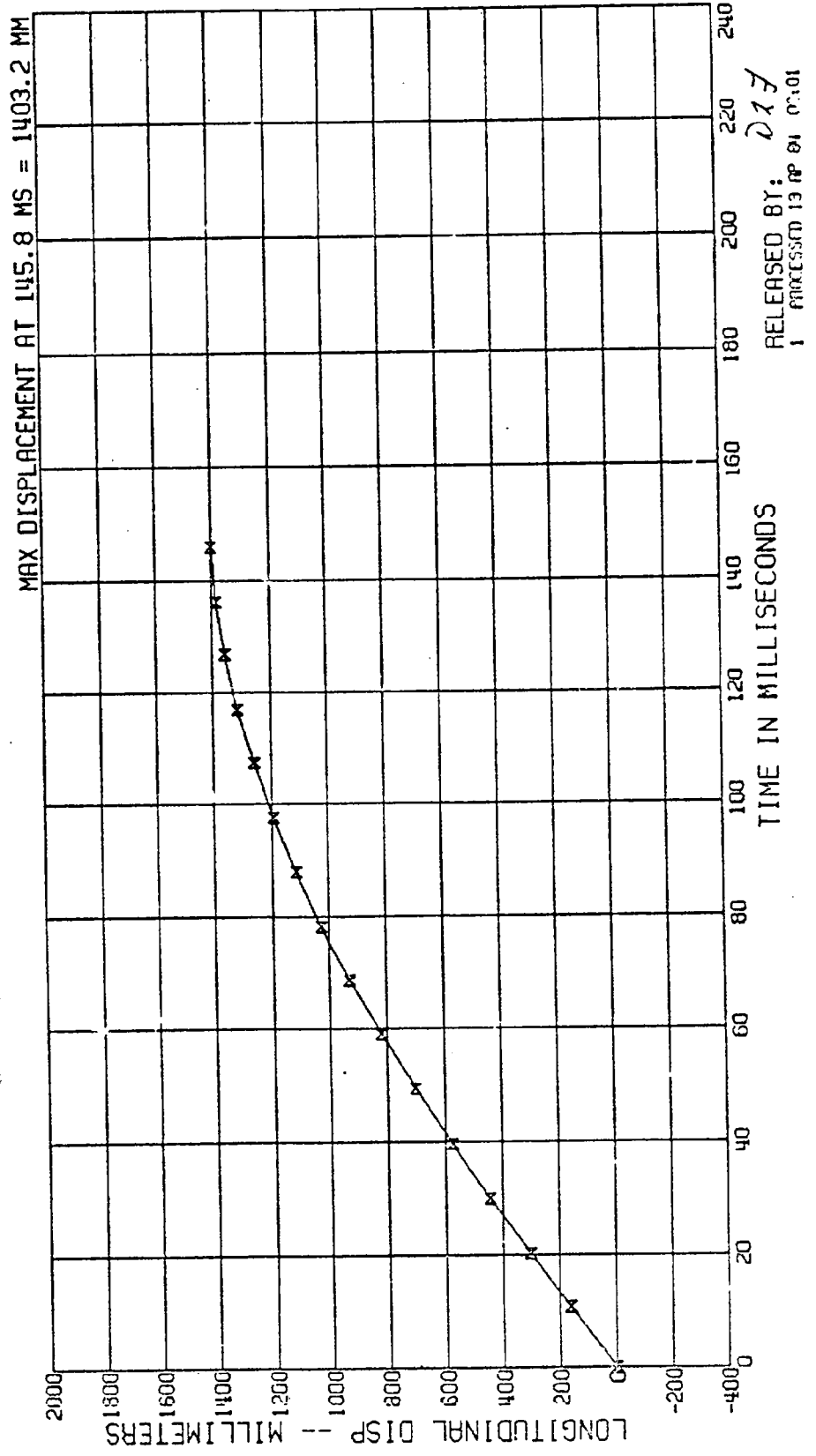
CC457 3JC77

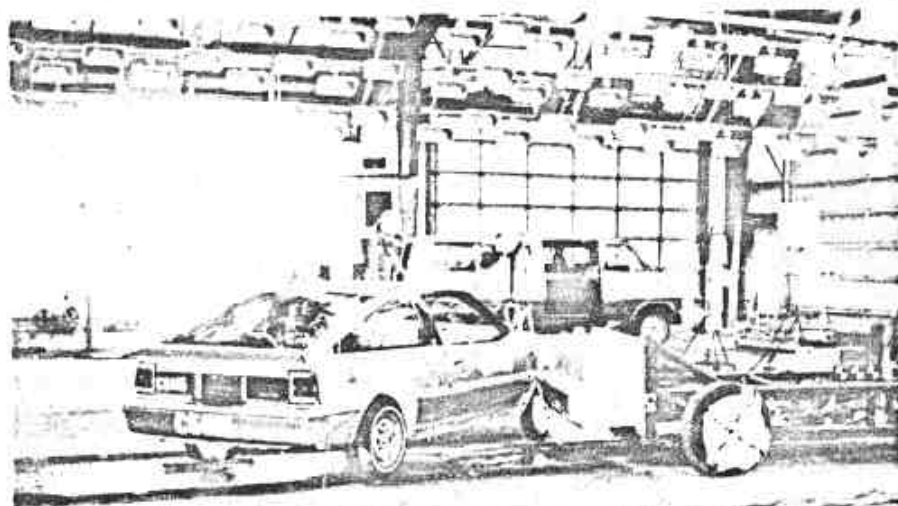
FILM DATA

OVERHEAD VIEW

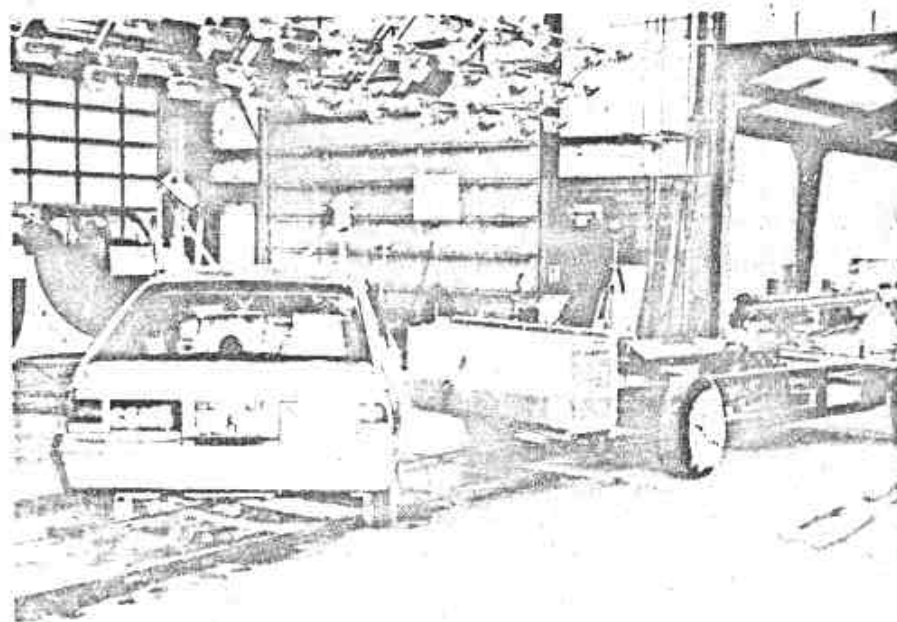
TEST DATE: 03-29-84

MOVING BARR TARGET RELATIVE TO STRUCK VEH. TARGET
(NHTSA)

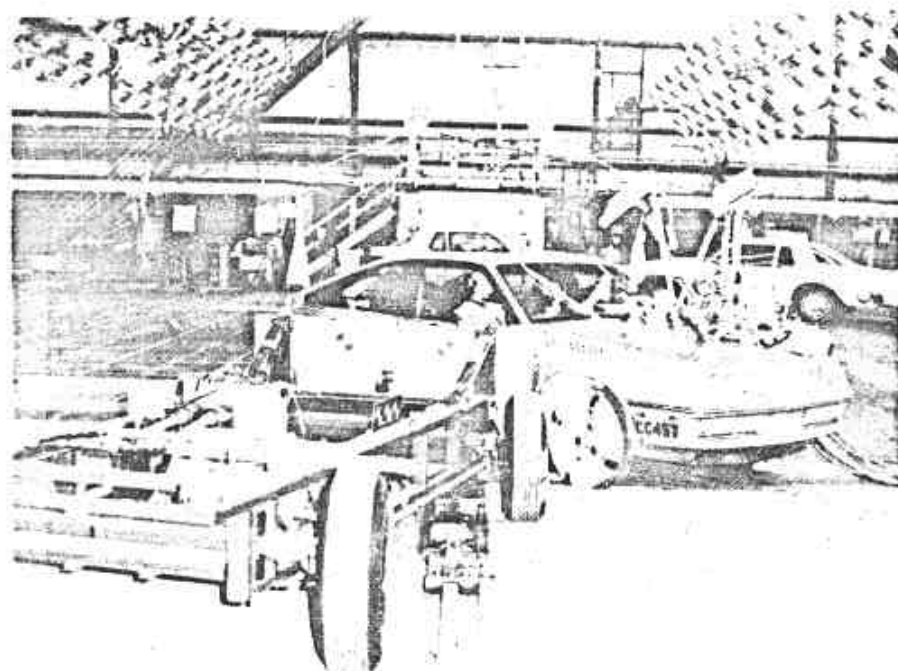




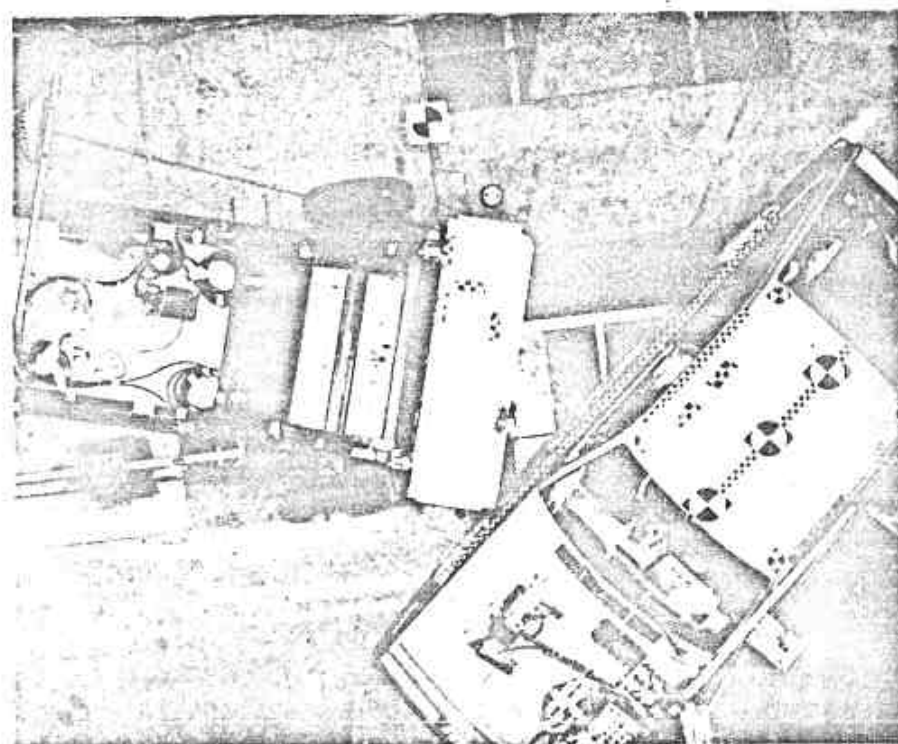
Current No	Fig No
157	136



Current No	Fig No
157	137

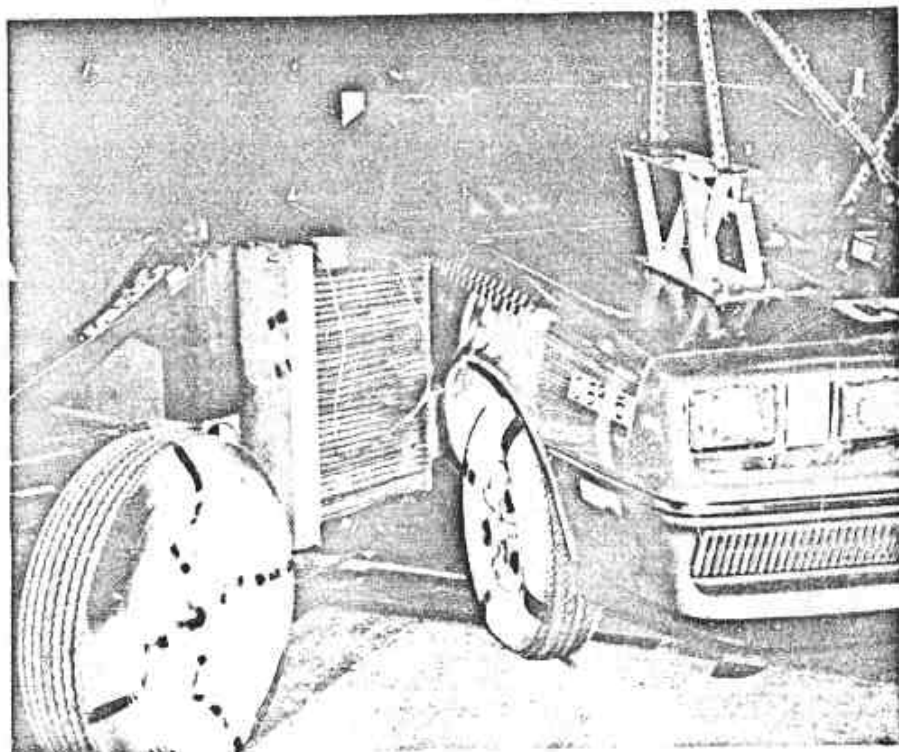


Document No.	Fig. No.
10487	138

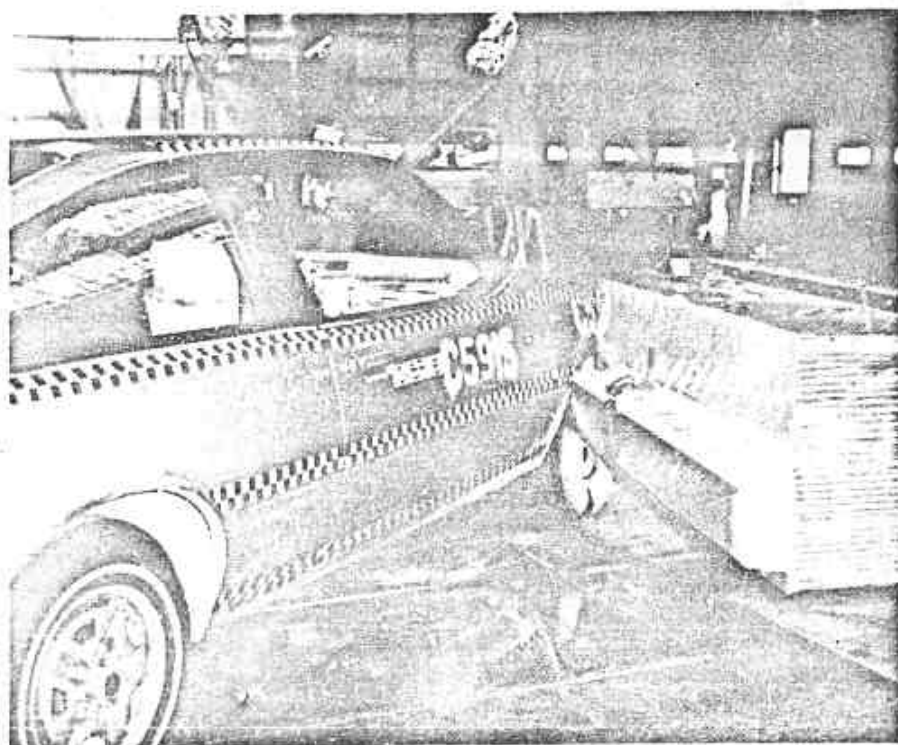


Document No.	Fig. No.
10487	139

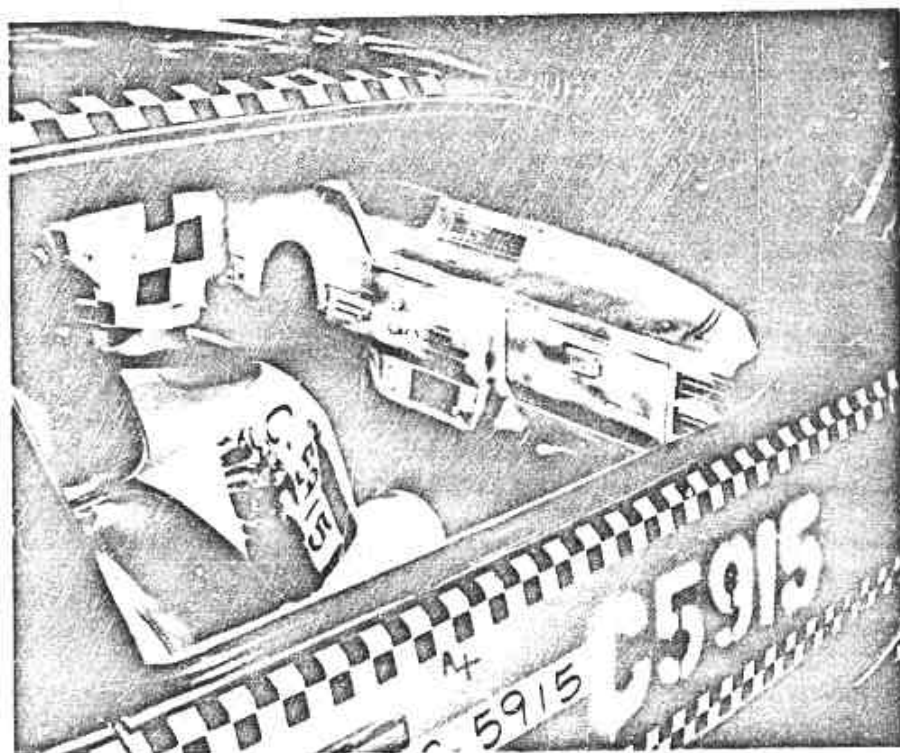
Document No	Fig No
1157	140



Document No	Fig No
1157	141



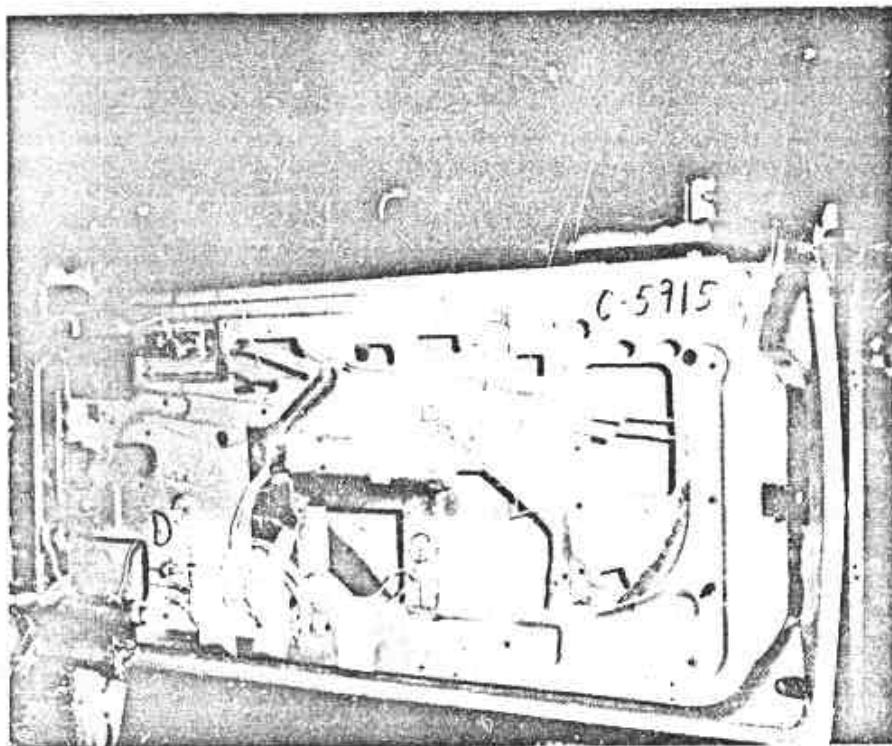
ument No	Fig No
142	



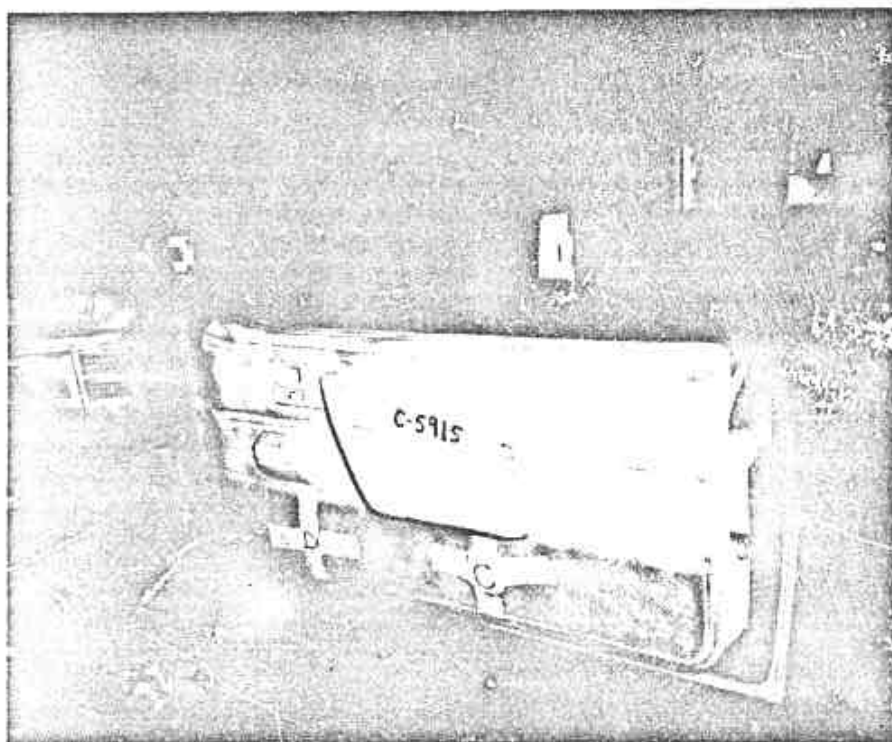
ument No	Fig No
143	



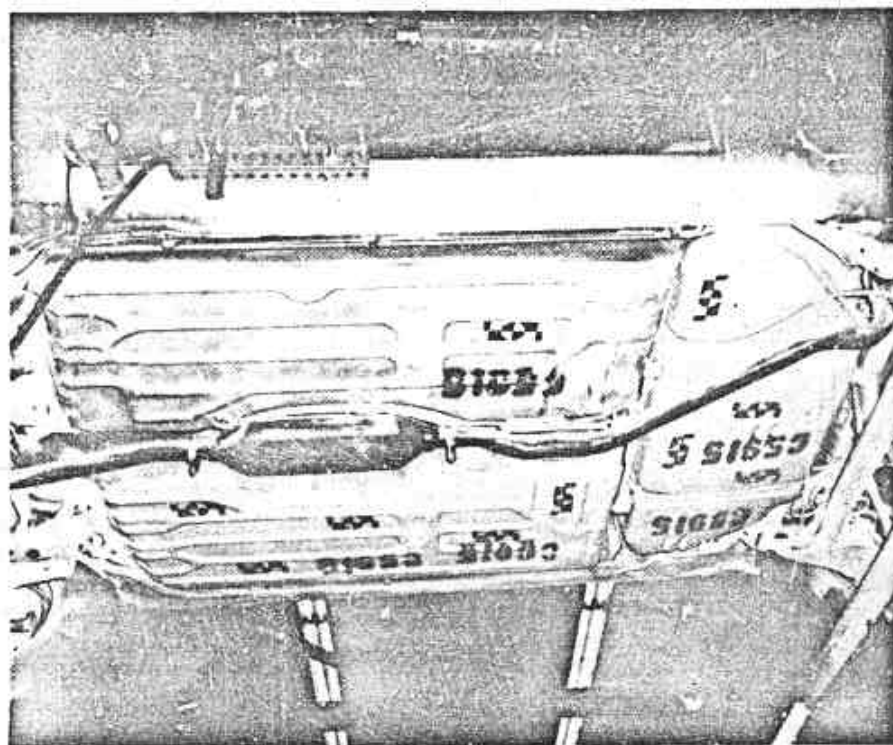
Document No.	Fig. No.
1157/45	144



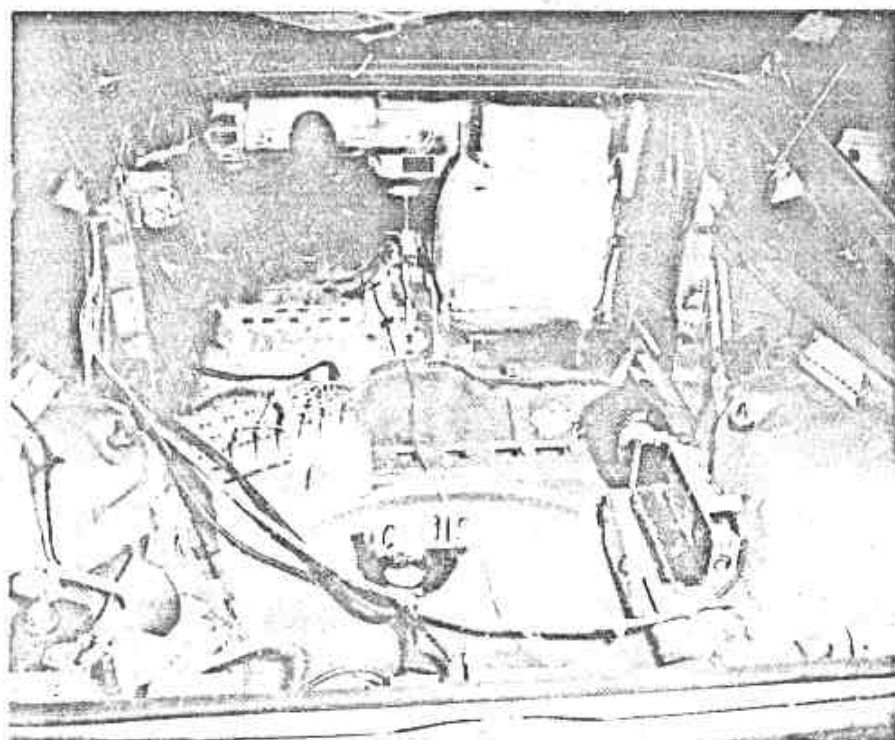
Document No.	Fig. No.
1157/45	145



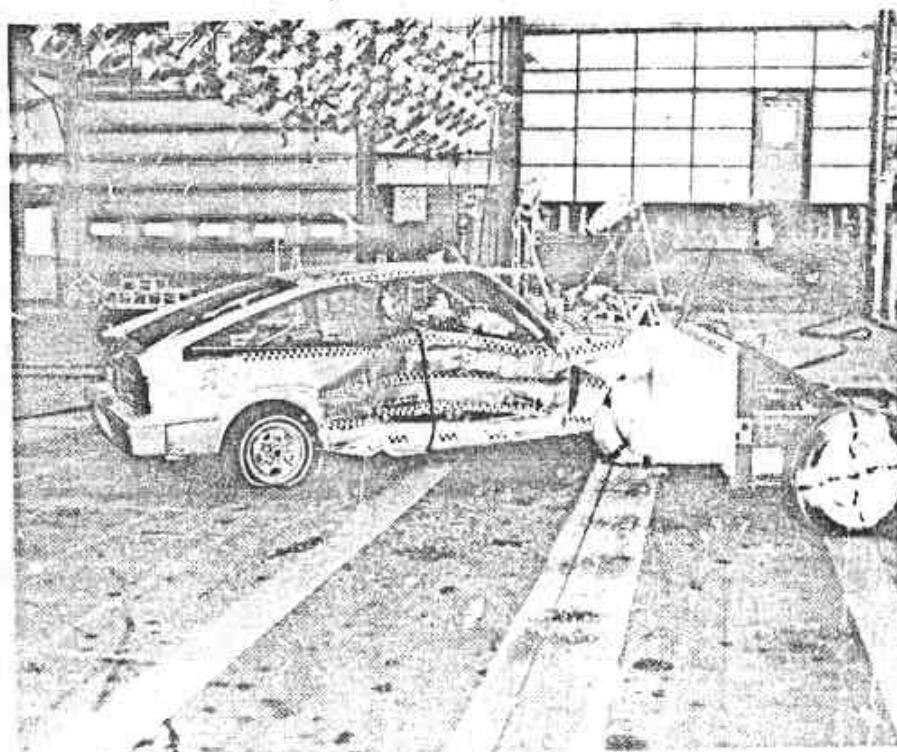
Current No.	Fig. No.
157	146



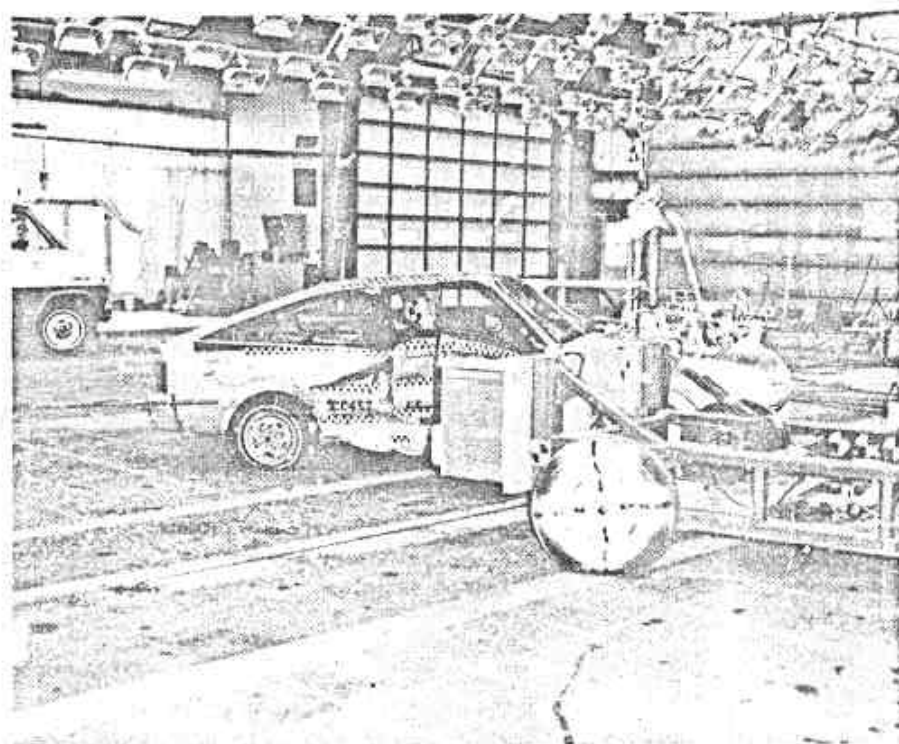
Current No.	Fig. No.
157	147



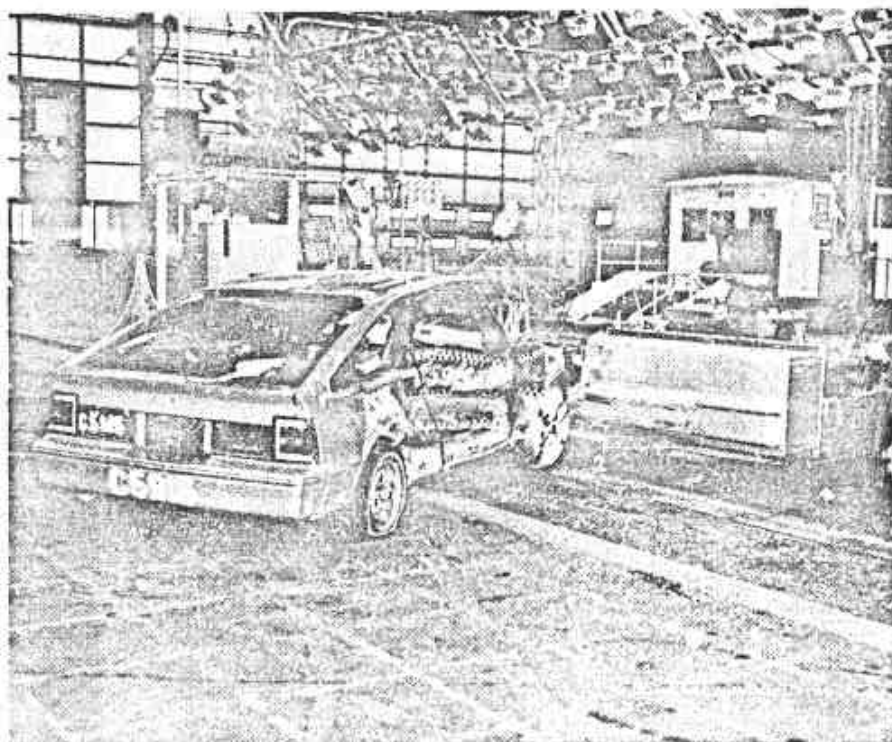
Document No.	Fig. No.
137	148



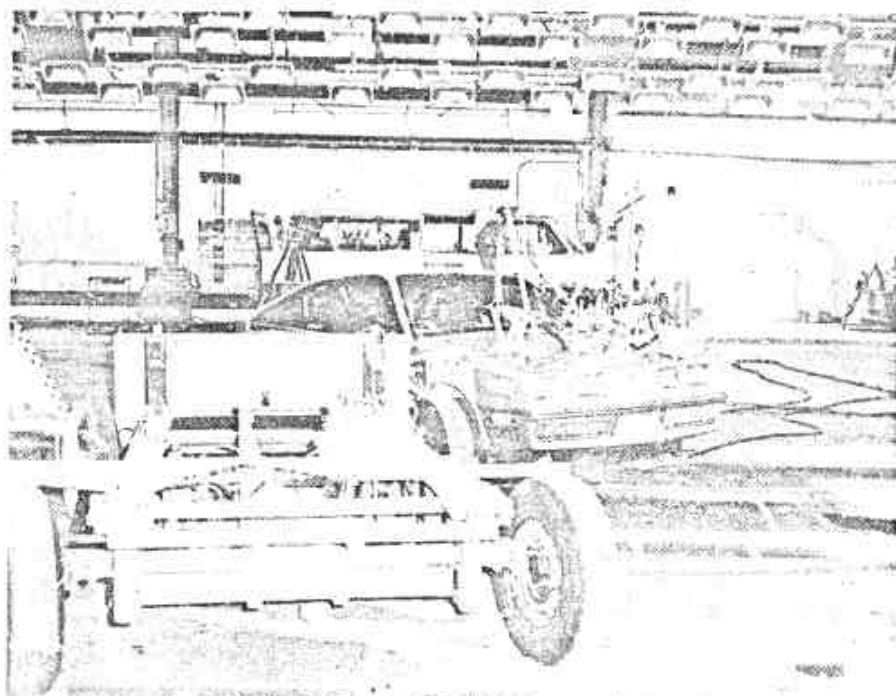
Document No.	Fig. No.
138	149



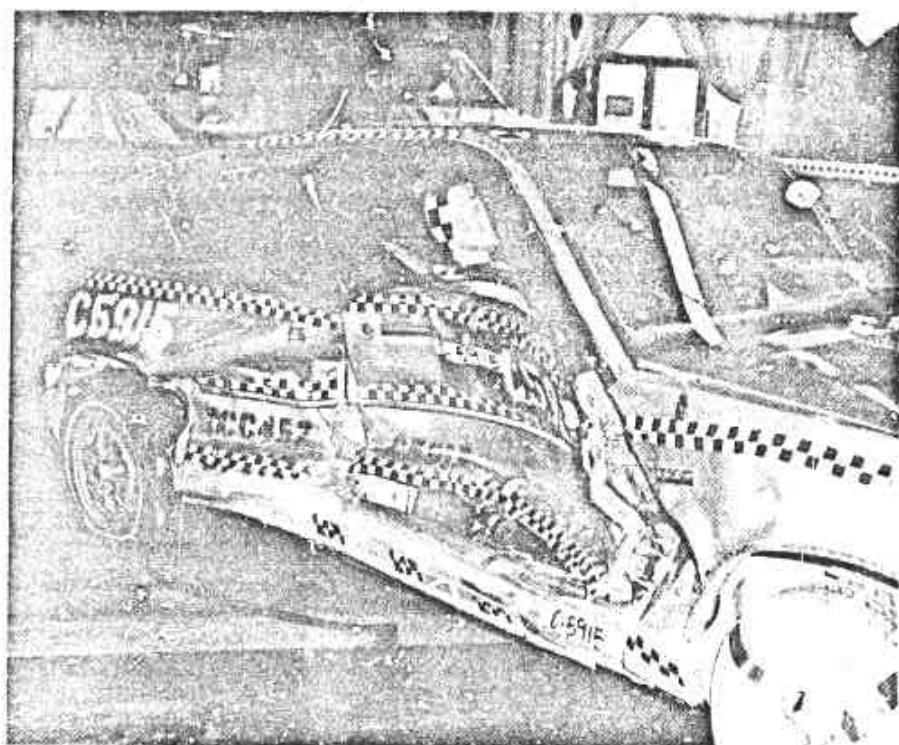
Document No.	Fig. No.
087	150



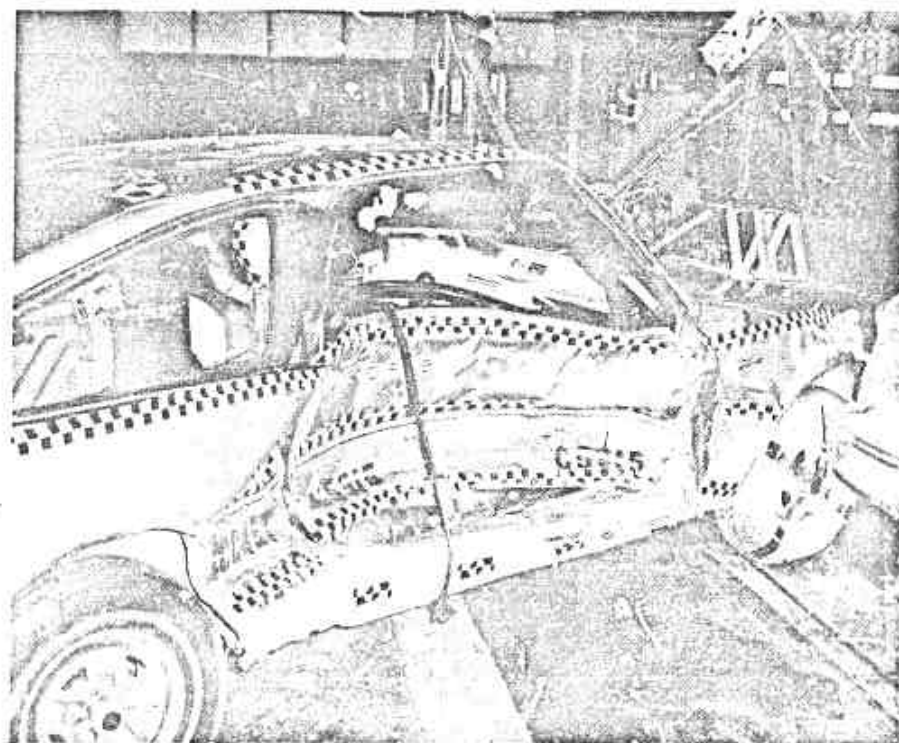
Document No.	Fig. No.
087	151



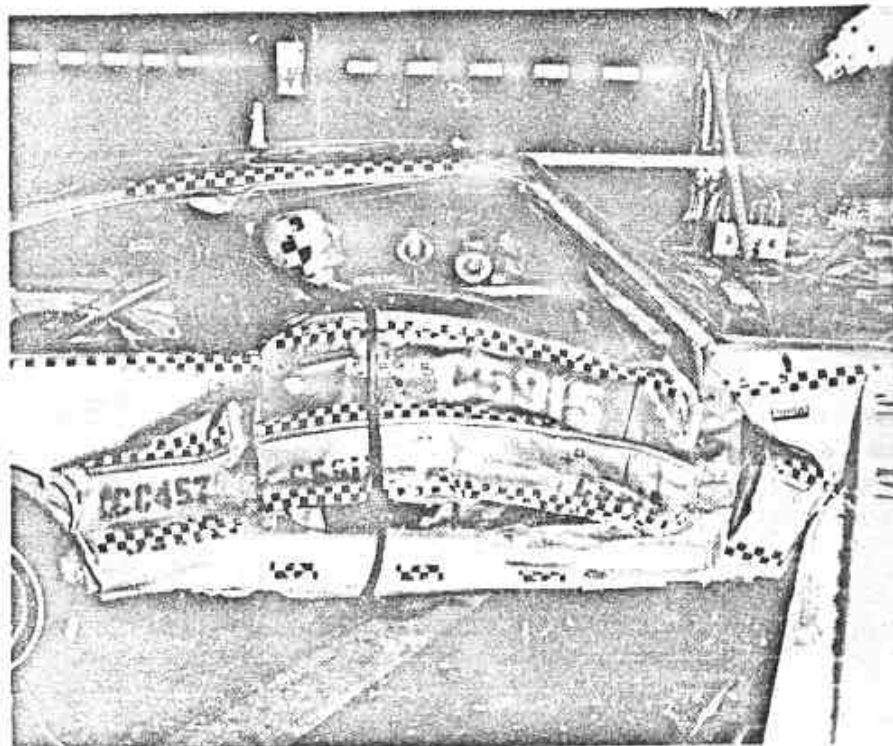
Document No.	Fig. No.
152	152



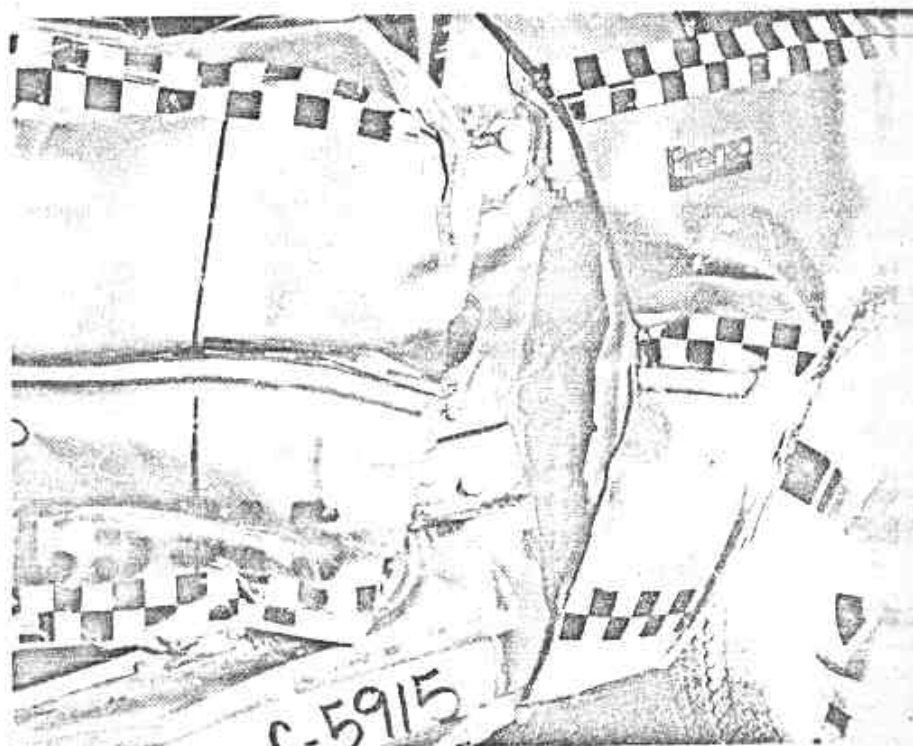
Document No.	Fig. No.
152	152



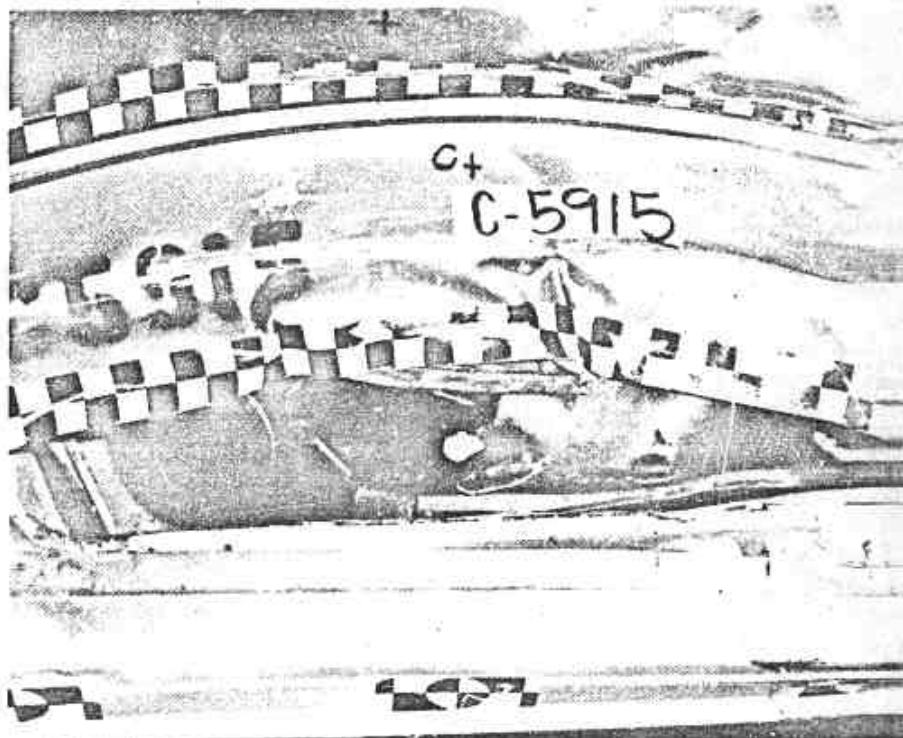
current No	Fig. No.
7087	154



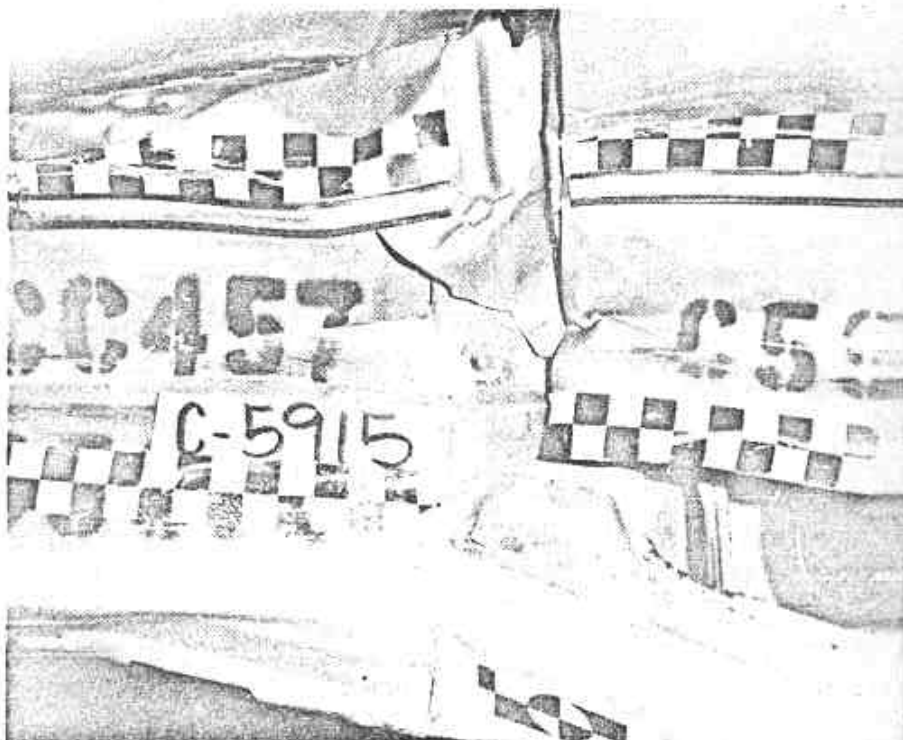
current No	Fig. No.
7087	155



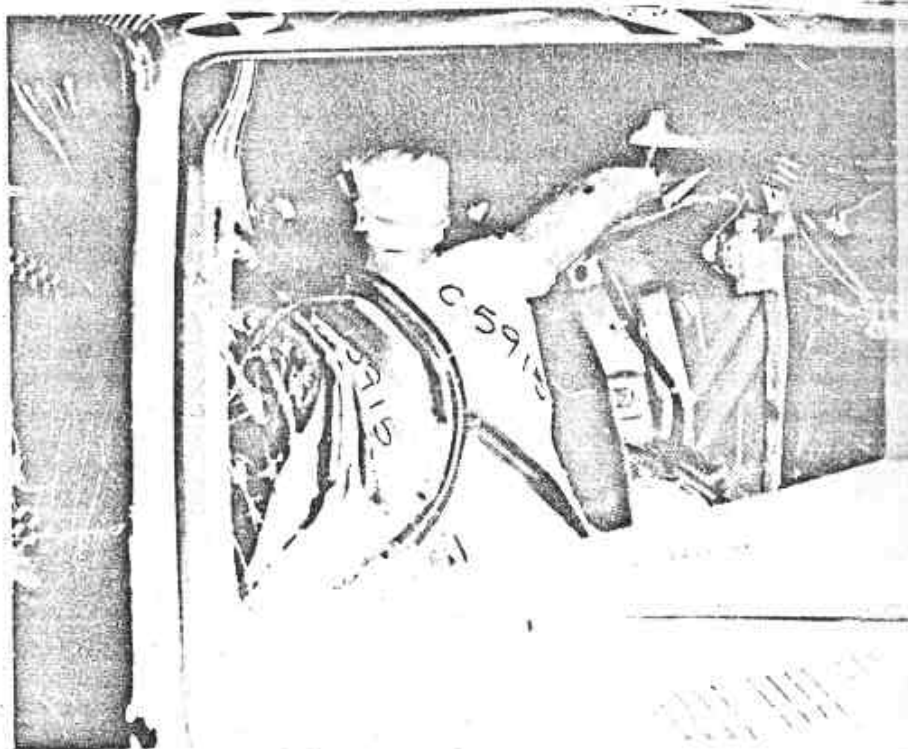
Document No	Fig No
7087	156



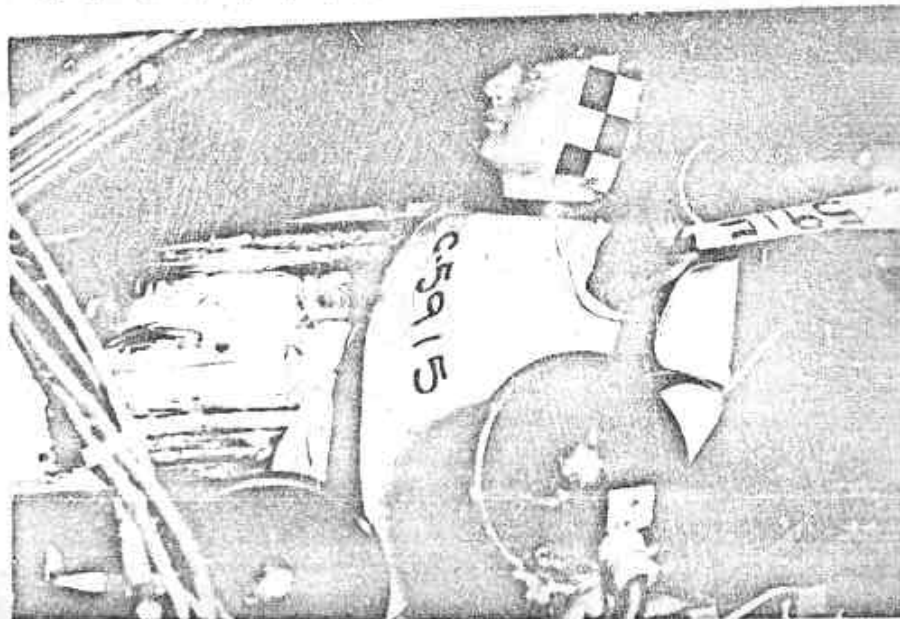
Document No	Fig No
7087	157



Document No	Fig No
7057	158



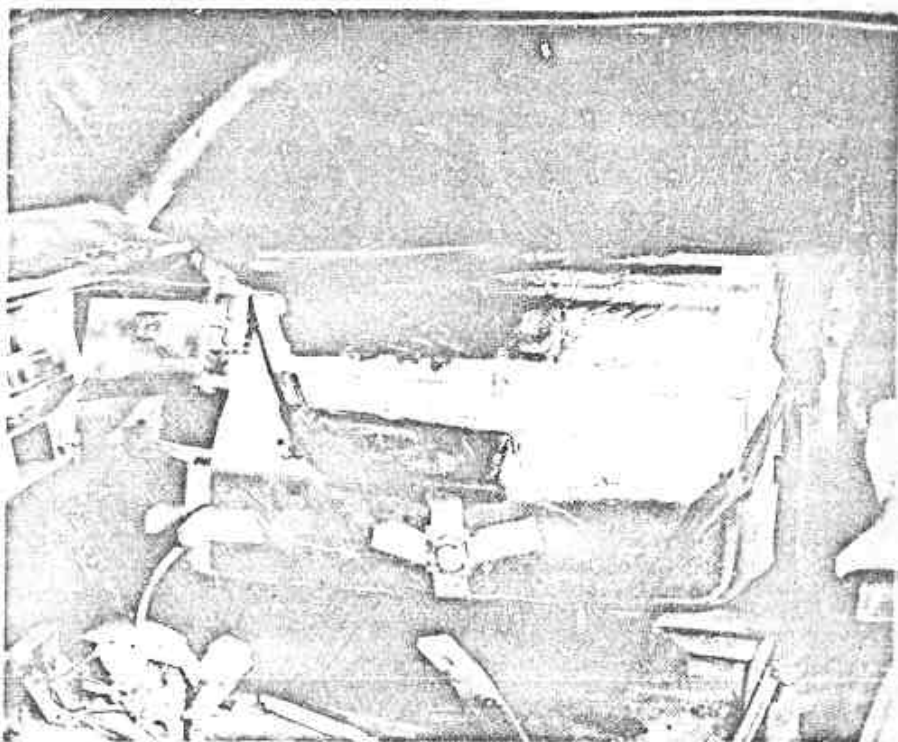
Document No	Fig No
7057	159



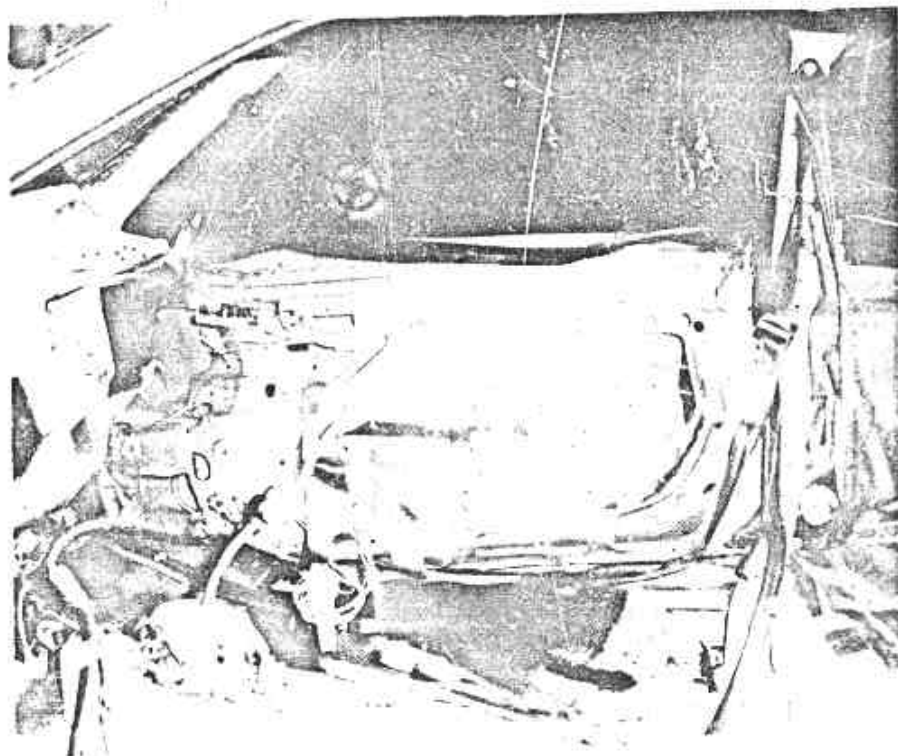
Cument No	Fig. No
158	160



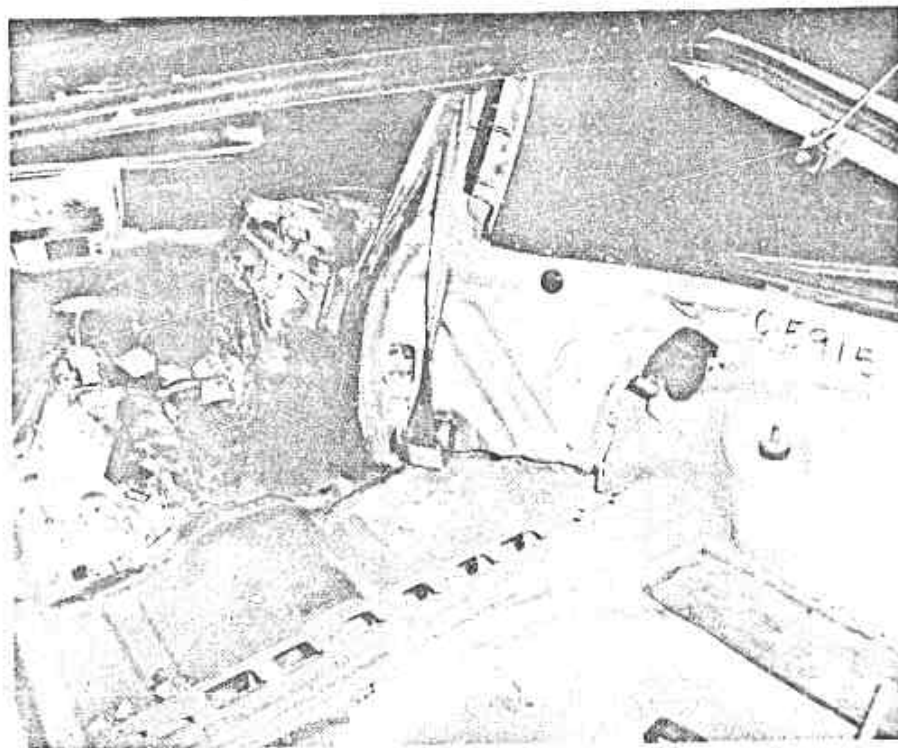
Cument No	Fig. No
159	161



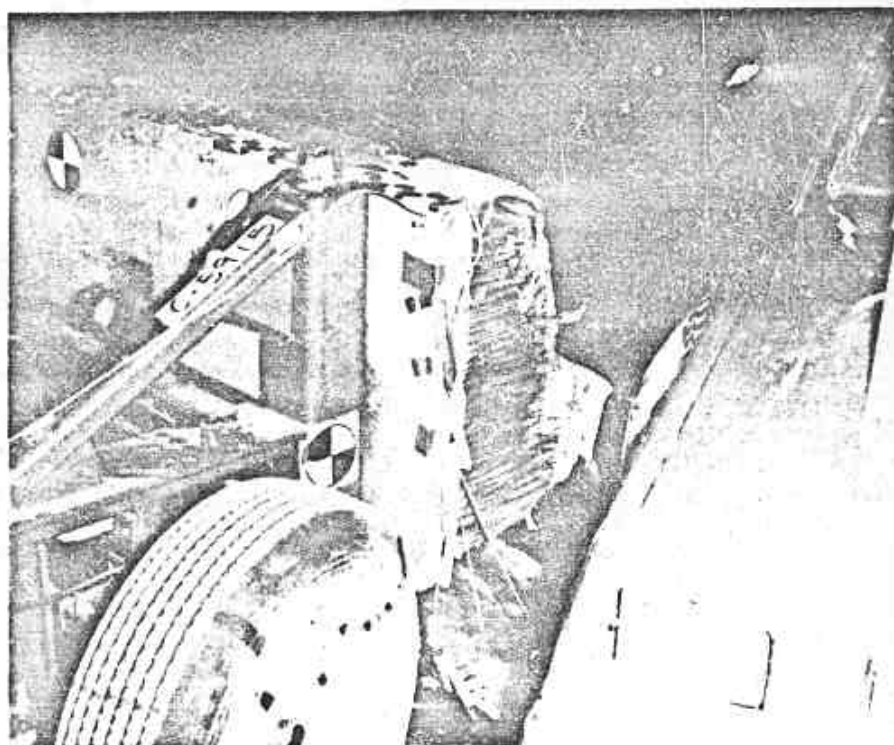
Document No	Fig No
157	162



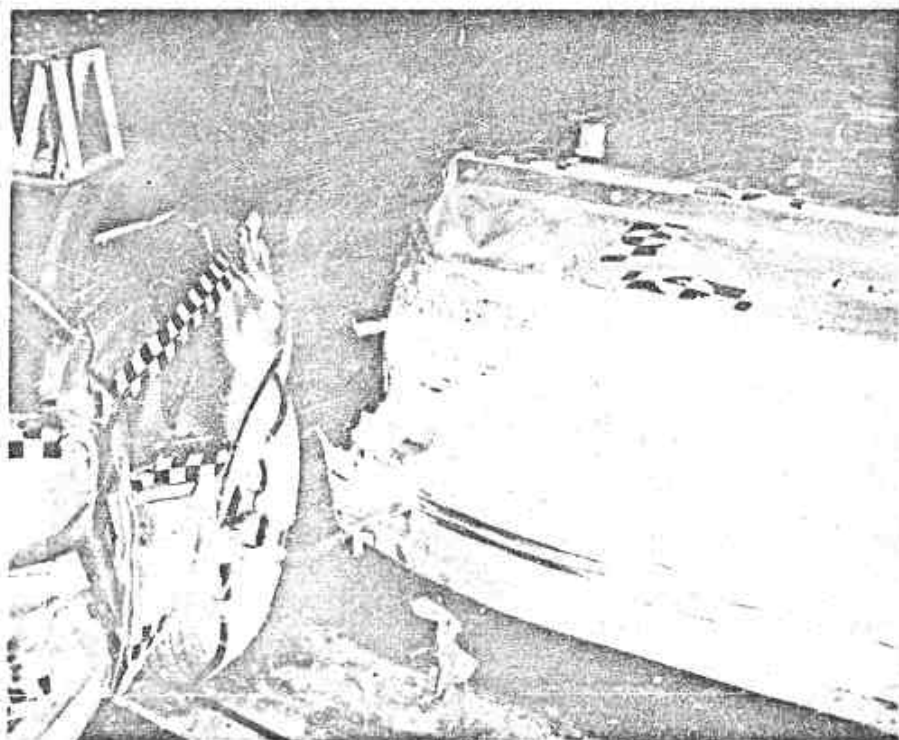
Document No	Fig No
157	163

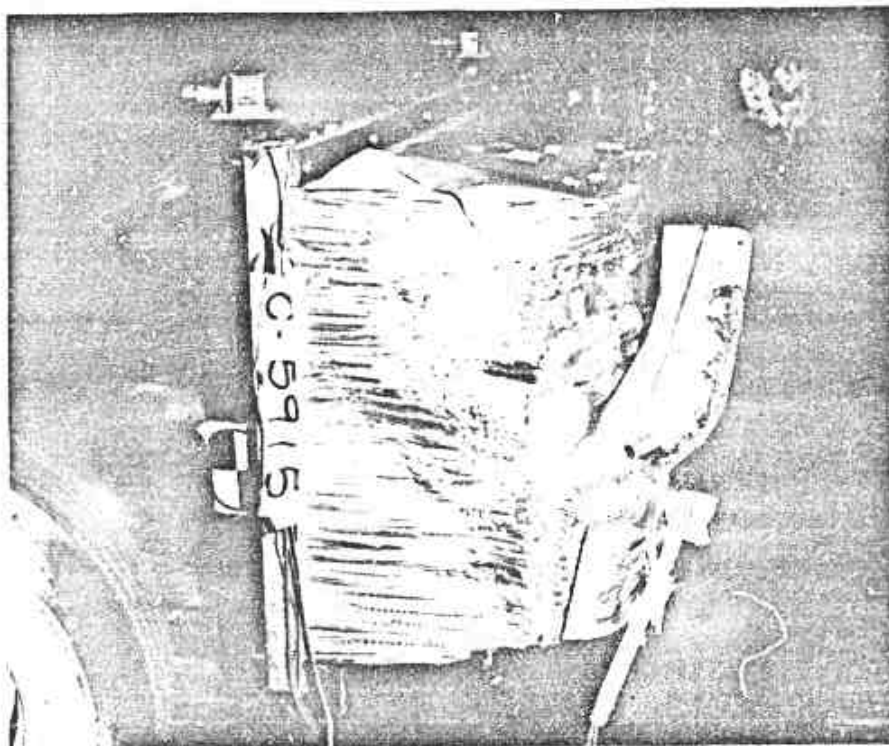


Document No.	Fig No.
117	164



Document No.	Fig No.
117	165





Current No	Fig No