



test report

General Motors Corporation
General Motors Proving Ground
Milford, Michigan 48042

TITLE

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

SAFETY RESEARCH & DEVELOPMENT LAB
Current Product Engineering

REPORT NO. PG 48581 DATE Oct. 18, 1985

PASSENGER CAR

TEST NO. C-6251



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

REPORT NO. PG
 SRDL TEST NO. C-6251
 TEST DATE 6/11/85

VEHICLE DESCRIPTION

MAKE	YEAR	BODY TYPE	BODY STYLE	DIVISION	CAR NUMBER	BUILD STATUS												
OLDS	1983	J-77	2 DOOR CPE	CC	462	*MODIFIED PRODUCTION												
ENGINE	CONFIGURATION	L4	DISPLACEMENT	1.8	L	SEAT												
	FUEL	NA					STYLE											
	FUEL INDUCTION	MULTIPOINT INJECTION					PASSENGER SEAT ONLY, 45											
SPARE TIRE	TYPE	REMOVED FOR TEST				ADJUSTER TYPE												
FUEL TANK	USABLE CAP	NA	L	NA	UNUSABLE CAP	NA	TRIM MATERIAL											
STRG. COL.	TILT OPTION	YES	X	NO	T&T OPTION	YES	NO	HEAD RESTRAINT TYPE										
SPECIAL FEATURES:		*DEVELOPMENT DOOR LOCK STRIKER ANCHOR PLATE. ACCEL. ENERGY ABSORBING MATERIAL IN DOOR.					AC	YES	X	NO	P/S	YES	X	NO	P/B	YES	X	NO
							TRANSMISSION:	AUTOMATIC	X	MANUAL	SPEED							

TEST CONDITIONS

VEHICLE				DUMMIES			
VELOCITY AT IMPACT	0.0 km/h			MAKE	NO.		
TEST MASS	FRONT	844	kg	TYPE	MASS		
LESS DUMMIES	REAR	489	kg	RESTRAINT			
INCLUDING DUMMIES X	TOTAL	1333	kg	LAT. POS.	mm RELATIVE TO		
ENGINE RUNNING	YES	NO	X	MAKE	HSRI (STD)	NO.	1
FUEL TANK	TEST VOLUME	CONTENTS	EMPTY	TYPE	50TH %ILE MALE	MASS	77.4 kg
	% OF USABLE CAPACITY =	-	L	RESTRAINT	LAP/SHOULDER BELTS		
FUEL LINES & CARBURETOR	FILLED	YES	NO	X	LAT. POS.	374 mm RELATIVE TO VEHICLE	
STEERING COLUMN	TILT POSITION	REMOVED FOR TEST		MAKE	NO.		
SEAT	TELESCOPE POSITION	NA		TYPE	MASS		
HEAD REST	POSITION	MID-DOWN		RESTRAINT			
VEHICLE ATTITUDE	J = DRIVER SIDE	220	mm	LAT. POS.	mm RELATIVE TO		
	K = DRIVER SIDE	216	mm	PASSENGER SIDE	211	mm	
COMMENTS:							
TEST CONFIGURATION:							
SEE PAGE 2 FOR TEST CONFIGURATION							

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 - RIB LATERAL			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				TIBIA LOADS			
CURRENTS				DUMMY CONTACTS			X
TOE PAN DISPLACEMENT				UPR & LWR SPINE ACCEL.			X
"A" PILLAR DISPLACEMENT				UPR & LWR RIB ACCEL.			X

PHOTOGRAPHIC COVERAGE

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

RECORDED VEHICLE DATA

(STRUCK VEHICLE)

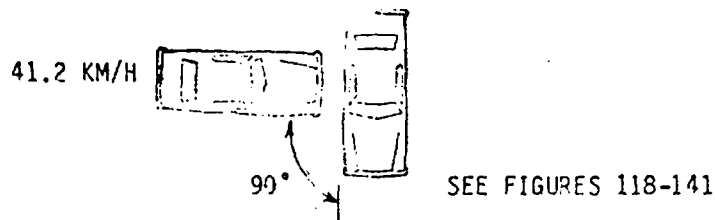
RIGHT SIDE DOOR TRIAXIAL ACCELERATION AT POINTS A, B, C AND C'
DRIVER SIDE DOOR LATERAL ACCELERATION AT POINT A'
RIGHT SIDE 'B' PILLAR LATERAL DISPLACEMENT
DRIVER SIDE FLOORPAN TRIAXIAL ACCELERATION
RIGHT SIDE TRUNK TRIAXIAL ACCELERATION

(STRIKING VEHICLE)

FRONT TRIAX ACCELERATION
MID TRIAX 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 303 MM REARWARD OF THE FIDUCIAL POINT. THE BUMPER HEIGHT OF THE STRIKING VEHICLE WAS 394 MM FROM THE BOTTOM EDGE TO GROUND.



TEST DUMMY DESCRIPTION [HSRI(SID)]

HSRI SIDE IMPACT DUMMY THORAX WITH 1984 UPDATES, A HYBRID II HEAD, NECK, PELVIS, LUMBAR AND LEGS. THE DUMMY WAS INSTRUMENTED WITH A UPPER AND LOWER SPINE ACCELEROMETER, UPPER AND LOWER RIB ACCELEROMETER, UPPER RIB STRING POTENTIOMETER, PELVIS ACCELEROMETER, AND HEAD ACCELEROMETER. TOTAL DUMMT WEIGHT WAS 77.4 KG.

STRIKING VEHICLE DESCRIPTION

NHTSA - DEVELOPED CRUSHABLE MOVING BARRIER WITH ENERGY ABSORBING FACE. THE ABSORBING FACE IS MADE OF HEXCELL 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 VEHICLE
TRANSDUCER 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	132-133
A'	Driver Side Door - Inner Panel, Inner Surface	450 rwd, 504 up	
B	Right Side Door - Inner Panel, Inner Surface	376 rwd, 349 up	132-133
C	Right Side Door - Inner Panel, Inner Surface	303 rwd, 194 up	132-133
C'	Right Side Door - Inner Panel, Inner Surface	102 fwd, 169 up	132-133
	Center 'B' Pillar - Inner Panel, Right Side at Beltline	ND	
	Floorpan Inner Surface - Driver Side	ND	
	Trunk Inner Surface - Passenger Side	ND	



POST-TEST OBSERVATIONS

STRIKING VEHICLE
STRUCK VEHICLE XREPORT NO. PG.
SRDL TEST NO. C-6251

		YES	NO	PARTIAL	OTHER	FIG.	NOTE
FRONT SHEET METAL	HOOD LATCH (S) REMAINED ENGAGED - PRIMARY				NA		1
	- SECONDARY				NA		1
	HOOD HINGE ASSEMBLIES INTACT				NA		1
	HOOD HINGE REMAINED ATTACHED				NA		1
	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					
DOORS	LATCH OPERABLE	YES	NO	OTHER			
	DISTANCE DOOR MAY BE OPENED (1)						
DRIVER FRONT			X		REMOVED PRIOR TO TEST	mm	(1) DISTANCE MEASURED BETWEEN DOOR OUTER SURFACE AND ADJACENT BODY OUTER SURFACE WHEN 450 N PULL IS APPLIED TO HANDLE.
PASSENGER FRONT		X			0	mm	
DRIVER REAR				NA		mm	
PASSENGER REAR				NA		mm	
						mm	
INTERIOR	FRONT SEAT (S) REMAINED IN PRE-TEST ADJUSTMENT POSITION	X					2
	FRONT SEAT ADJUSTERS REMAINED ATTACHED TO BODY	X					
	SEAT BACK LOCKS REMAINED LATCHED				NA		
	REAR SEAT CUSHIONS REMAINED ATTACHED				NA		3
	INSTRUMENT PANEL REMAINED ATTACHED			X		*FIGURES 151-154	*
	GLOVE BOX DOOR REMAINED CLOSED		X				157
DRIVE	ENGINE MOUNTS REMAINED ATTACHED	X					
	TRANSMISSION MOUNT (S) REMAINED ATTACHED	X					
	DRIVE SHAFT DEFORMED				NA		4
	DIFFERENTIAL HOUSING SEPARATED				NA		4
	REAR AXLE TUBE DEFORMED				NA		5
BODY	BODY TO FRAME OR CRADLE MOUNTS REMAINED ATTACHED	X					
	SPARE TIRE REMAINED IN PLACE				NA		3
	WINDSHIELD 100% RETAINED	X					
FUEL SPILLAGE DURING OR AFTER IMPACT					NA		
NOTES: 1) CAMERA AND INSTR. PACKAGE MOUNTED TO HOOD							
2) DRIVER'S SEAT REMOVED PRIOR TO TEST							
3) REMOVED PRIOR TO TEST							
4) FWD VEHICLE							
5) INDEPENDENT SUSPENSION							
6) FUEL TANK EMPTY FOR THE TEST							

N A NOT APPLICABLE N D NOT DETERMINED

VEHICLE DATA

<u>Residual Lateral Displacement</u>	<u>Displacement (mm)</u>
(Door Outer Surface)	
Right Side Door at Occupant Shoulder (Pt. A)	244
Right Side Door at Occupant Mid Torso (Pt. B)	344
Right Side Door at Occupant Hip (Pt. C)	356
Right Side Door at Occupant Foot (Pt. D)	351
(Door Inner Surface)	
Right Side Door at Occupant Shoulder (Pt. A)	N/A
Right Side Door at Occupant Mid Torso (Pt. B)	N/A
Right Side Door at Occupant Hip (Pt. C)	N/A
Right Side Door at Occupant Foot (Pt. D)	N/A

NOTE: Door Inner Surface - Due to damage of inner door face (plastic) the measurements could not be made - parts were separated on impact.

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).

	BODY COORDINATES (mm)	
	LONGITUDINAL	VERTICAL
<u>DRIVER</u>		
HEAD	<u>N/A</u>	<u>N/A</u>
HIP	<u>N/A</u>	<u>N/A</u>
KNEE	<u>N/A</u>	<u>N/A</u>
 <u>RIGHT FRT PASSENGER</u>		
HEAD	<u>3259</u>	<u>1079</u>
HIP	<u>3033</u>	<u>433</u>
KNEE	<u>2647</u>	<u>541</u>

Dummy Lateral Location: 0 mm relative to seat C/L.

Comments: _____

ACCELERATIONS, VELOCITIES & DISPLACEMENTS (STRIKING VEHICLE)FIGURE
NUMBERBARRIER FRONT

68-74 ACCELERATIONS
75-81 1ST INTEGRATION OF ACCELERATION
82-88 2ND INTEGRATION OF ACCELERATION

BARRIER MID

89-95 ACCELERATIONS
96-102 1ST INTEGRATION OF ACCELERATION
103-109 2ND INTEGRATION OF ACCELERATION

FILM ANALYSIS

110 STRUCK VEHICLE VELOCITY
111 STRIKING VEHICLE VELOCITY
112 STRUCK VEHICLE ANGLE RELATIVE TO GROUND
113 STRIKING VEHICLE ANGLE RELATIVE TO GROUND
114 NHTSA BARRIER RELATIVE TO STRUCK VEHICLE VELOCITY
115 NHTSA BARRIER RELATIVE TO STRUCK VEHICLE DISPLACEMENT

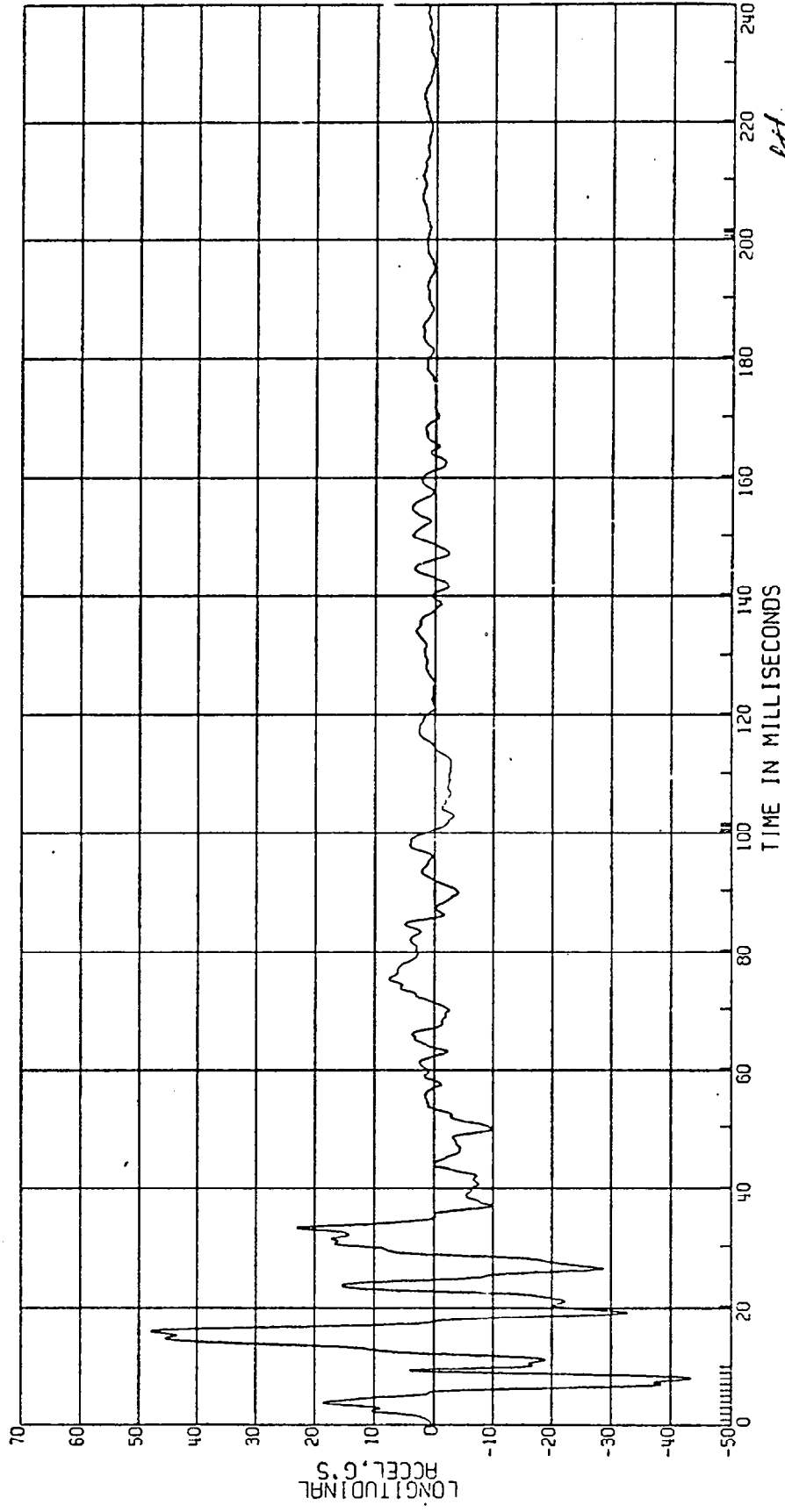
PHOTOGRAPH INDEXFIGURE
NUMBERPRE-TEST PHOTOGRAPHS

116-118 OVERALL OF TEST CONFIGURATION
119-125 CLOSEUP - STRUCK VEHICLE FRONT FACING AND IMPACT AREA
126 CLOSEUP PASSENGER SIDE VIEW OF STRUCK VEHICLE
127-131 DUMMY AND INTERIOR - STRUCK VEHICLE
132-133 RIGHT SIDE DOOR ACCELEROMETER AT POINT C' - STRUCK VEHICLE
134-135 RIGHT SIDE DOOR ACCELEROMETER AT POINTS A,B,C - STRUCK VEHICLE
136-137 UNDERBODY CLOSEUPS - STRUCK VEHICLE
138 CLOSEUP OF NHTSA BARRIER CRUSHABLE FACE - STRIKING VEHICLE

POST-TEST PHOTOGRAPHS

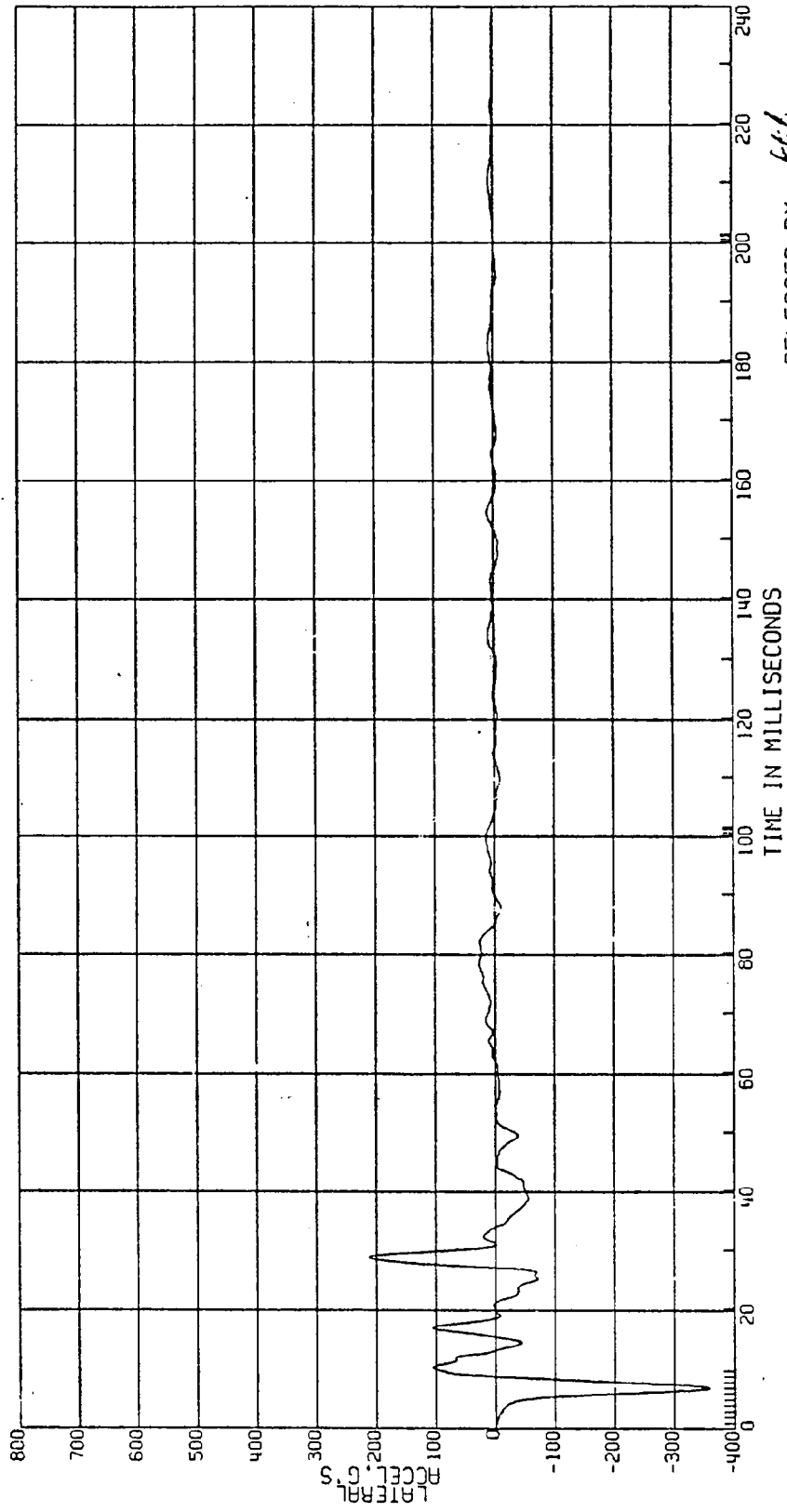
139-141 OVERALL OF TEST CONFIGURATION AFTER IMPACT
142-146 CLOSEUP - IMPACT AREA
147 CLOSEUP OF IMPACT AREA - STRUCK VEHICLE
148-152 DUMMY AND INTERIOR - STRUCK VEHICLE
153-155 CLOSEUPS OF INTERIOR WITHOUT DUMMY - STRUCK VEHICLE
156 CLOSEUPS OF INTERIOR WITHOUT SEAT - STRUCK VEHICLE
157-161 CLOSEUPS OF DOOR WITHOUT DOOR PANEL - STRUCK VEHICLE
162 CLOSEUPS OF DOOR HINGE AREA - STRUCK VEHICLE
163-166 IMPACT AREA UNDERBODY - STRUCK VEHICLE
167 CLOSEUPS OF HEXCELL FACE - STRIKING VEHICLE

CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 1
3865-176
CPC-FISHER CC462 3JC77 STRUCK RT FRT DOOR (A) ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:06-11-85



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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 2
3865-176
CPC-FISHER CC462 3JC77 STRUCK RT FRT DOOR (A) ACCEL.
A-D DATA SAE CLASS .60 TEST DATE:06-11-85



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41.2 KM/H FIGURE 3

MUOVING BARRIER IN PARKED VEHICL

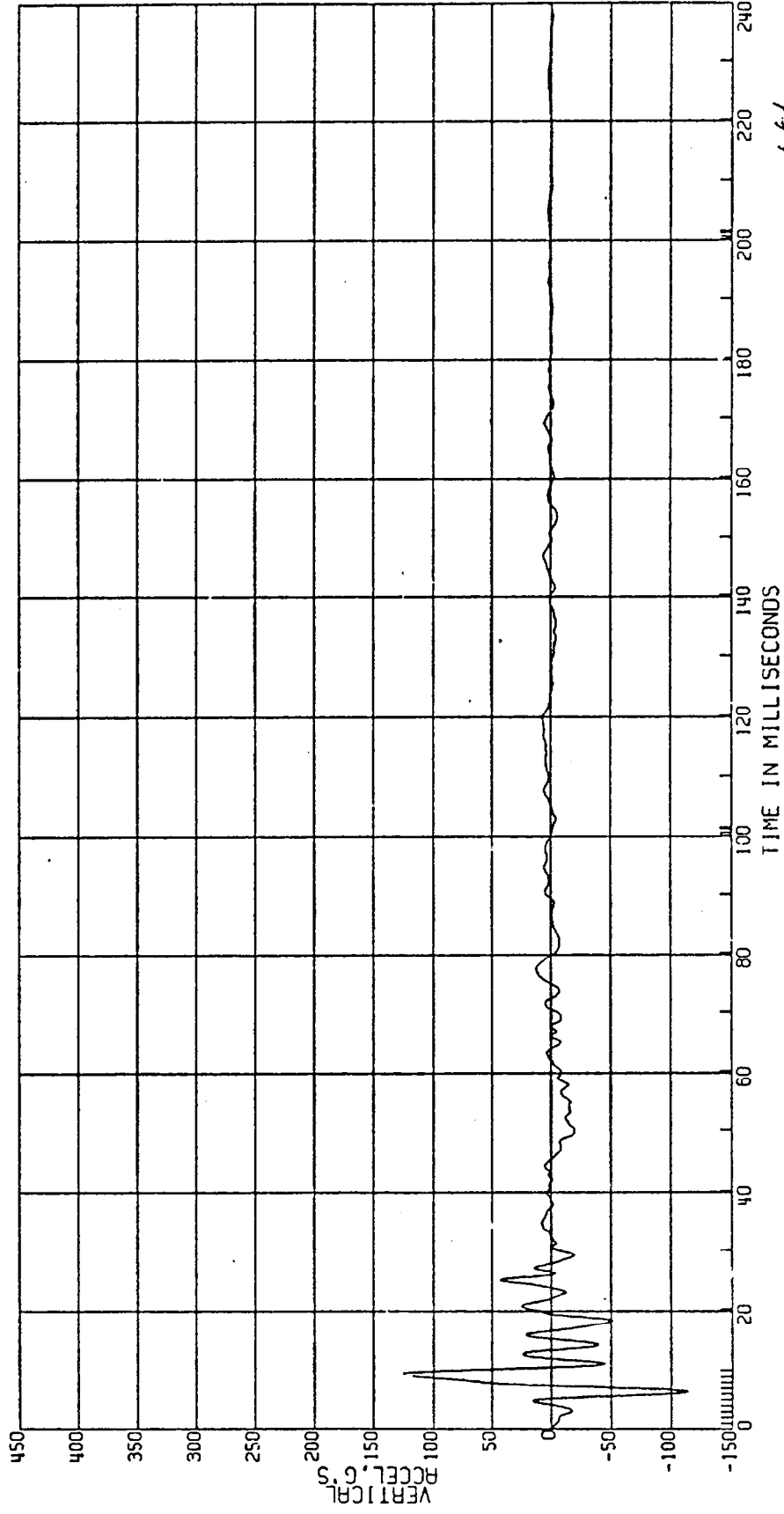
VERTICAL IMPACT

3865-176

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TEST DATE: 06-11-85

A-D DATA SAE CLASS 60



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3865-176

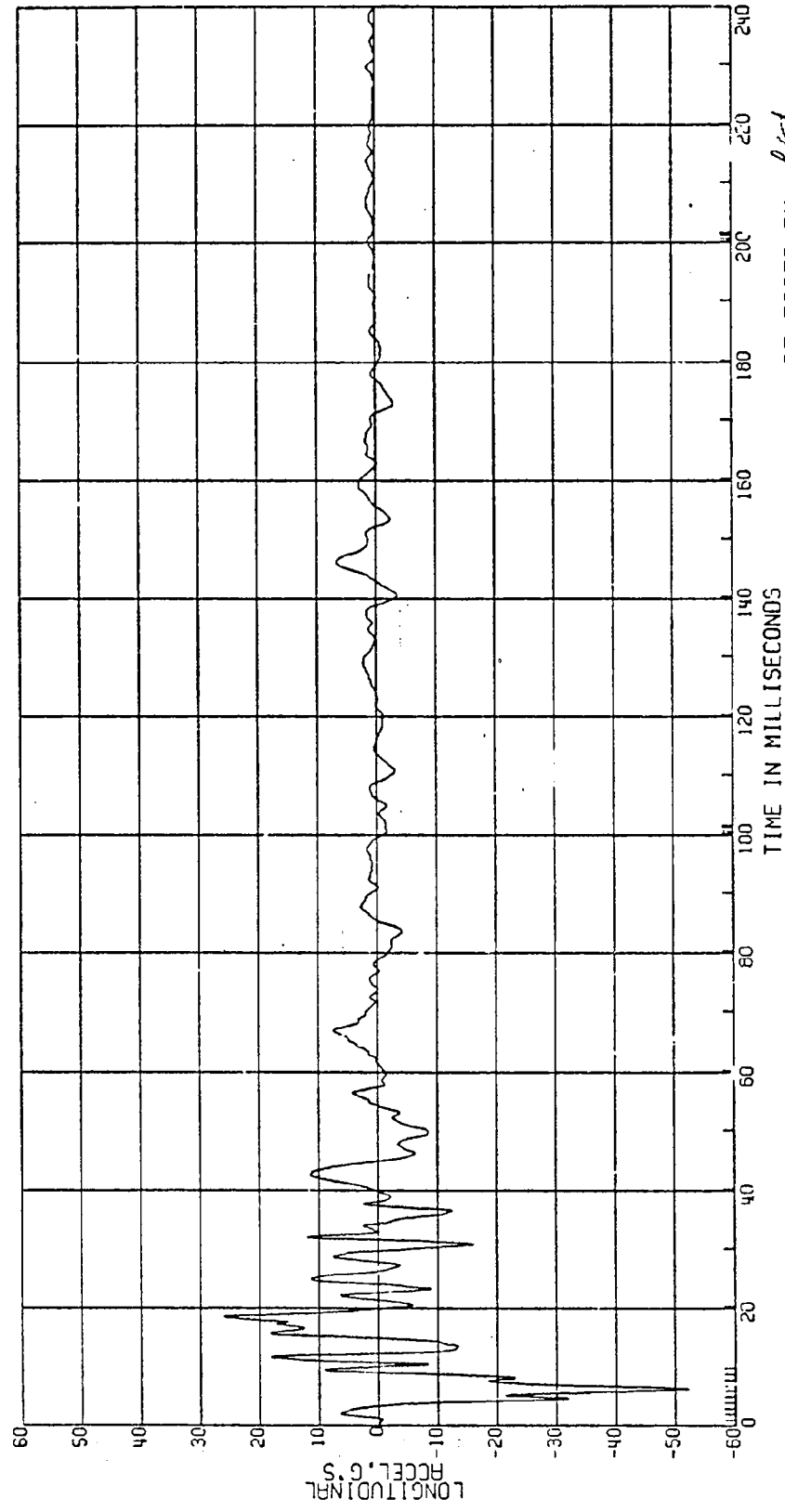
RT FRT DOOR (B) ACCEL.

TEST DATE: 06-11-85

CPC-FISHER CC462 3JC77

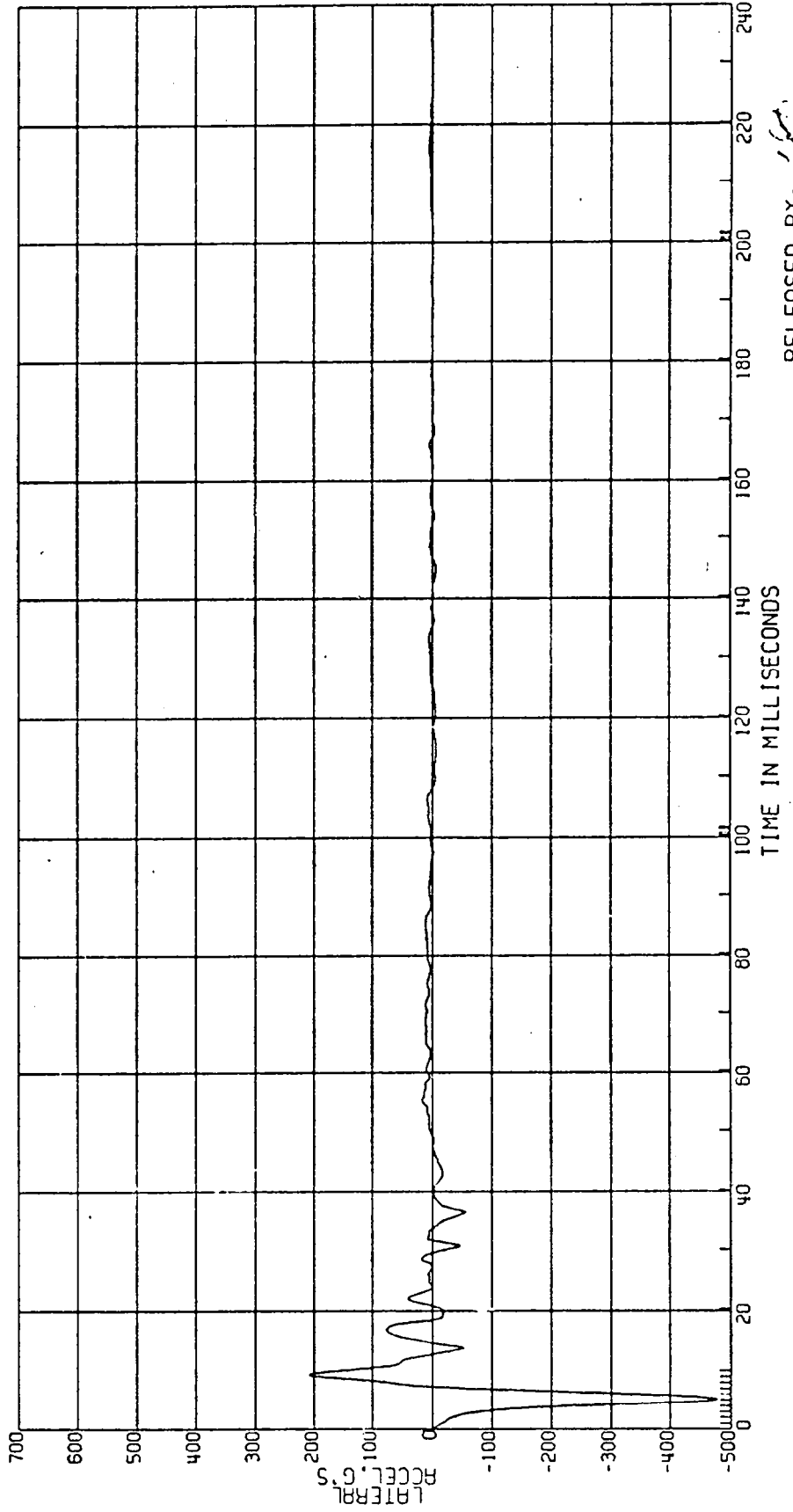
STRUCK

A-D DATA SAE CLASS 60



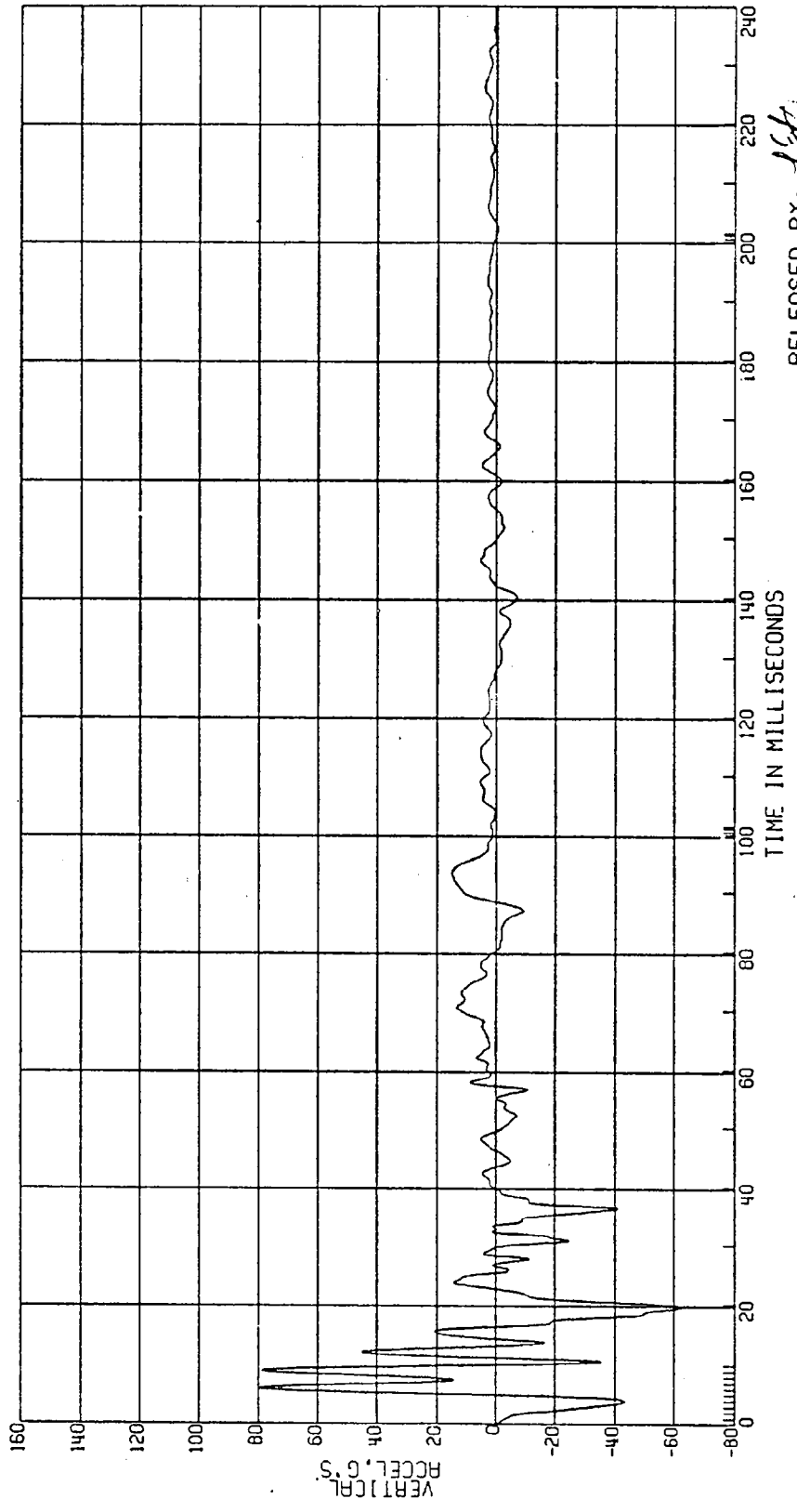
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C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 5
3865-176
CPC-FISHER CC462 3JC77 STRUCK RT FRT DOOR (B) ACCEL.
A-D DATA SHE CLASS 60 TEST DATE:06-11-85



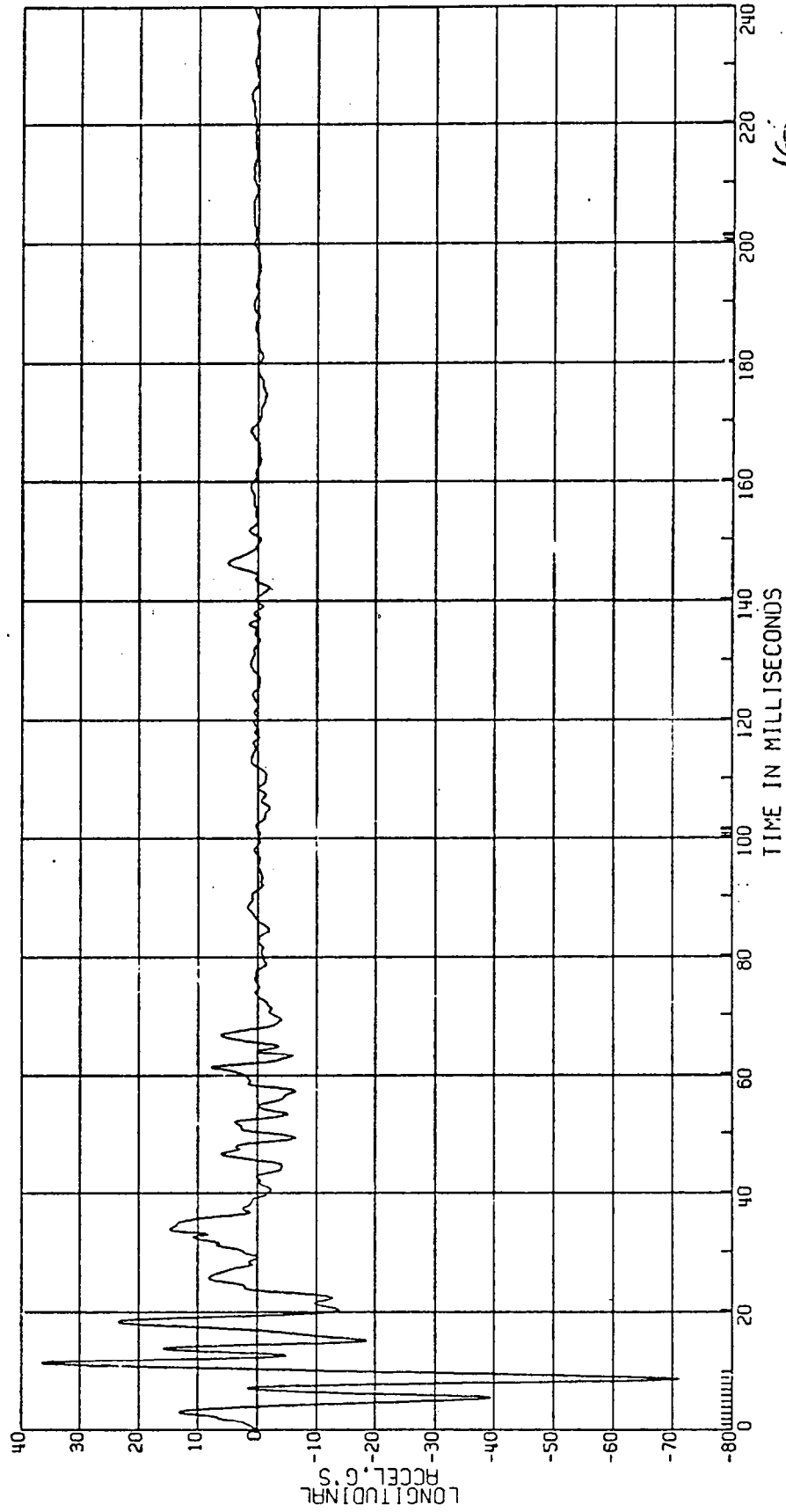
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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 6
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CPC-FISHER CC462 3JC77 STRUCK RT. FRT DOOR (B) ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:06-11-85

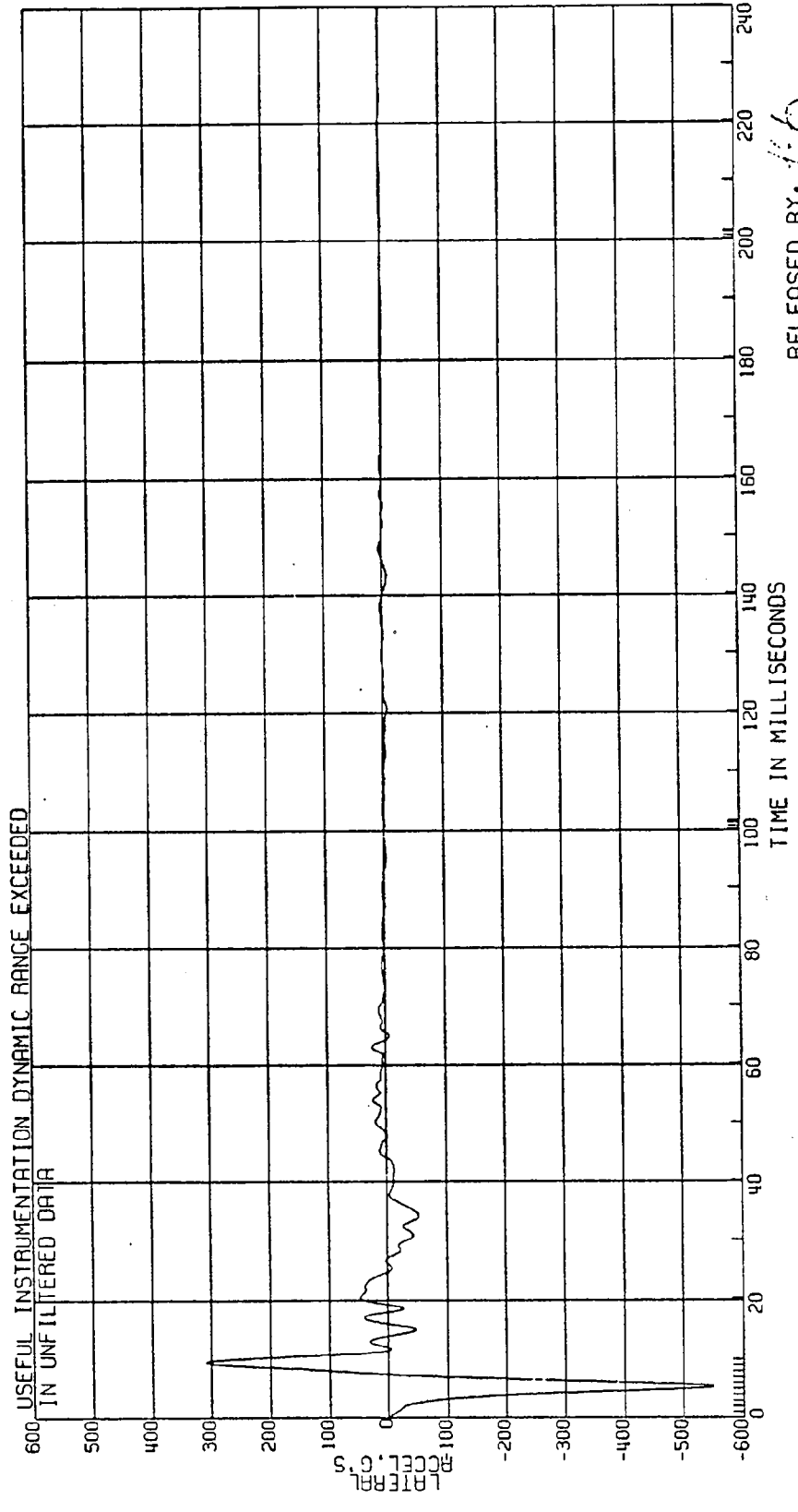


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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 7
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CPC-FISHER CC462 3JC77 STRUCK RT FRT DOOR (C) ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:06-11-85

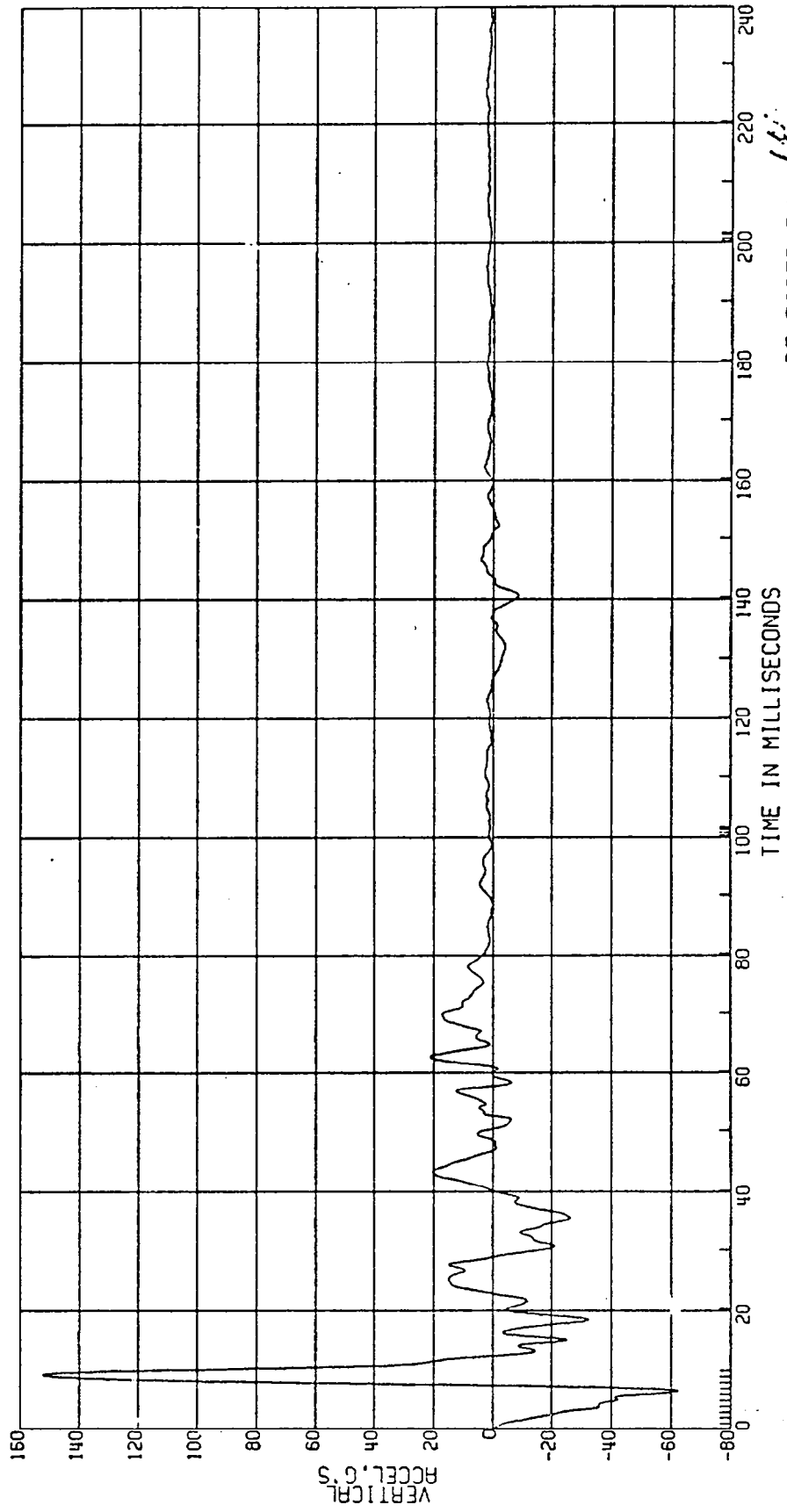


C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 3
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CPC-FISHER CC462 3JC77 STRUCK RT FRT DOOR (C) ACCEL.
A-D DATA SAE CLASS 60 TEST DATE: 06-11-85



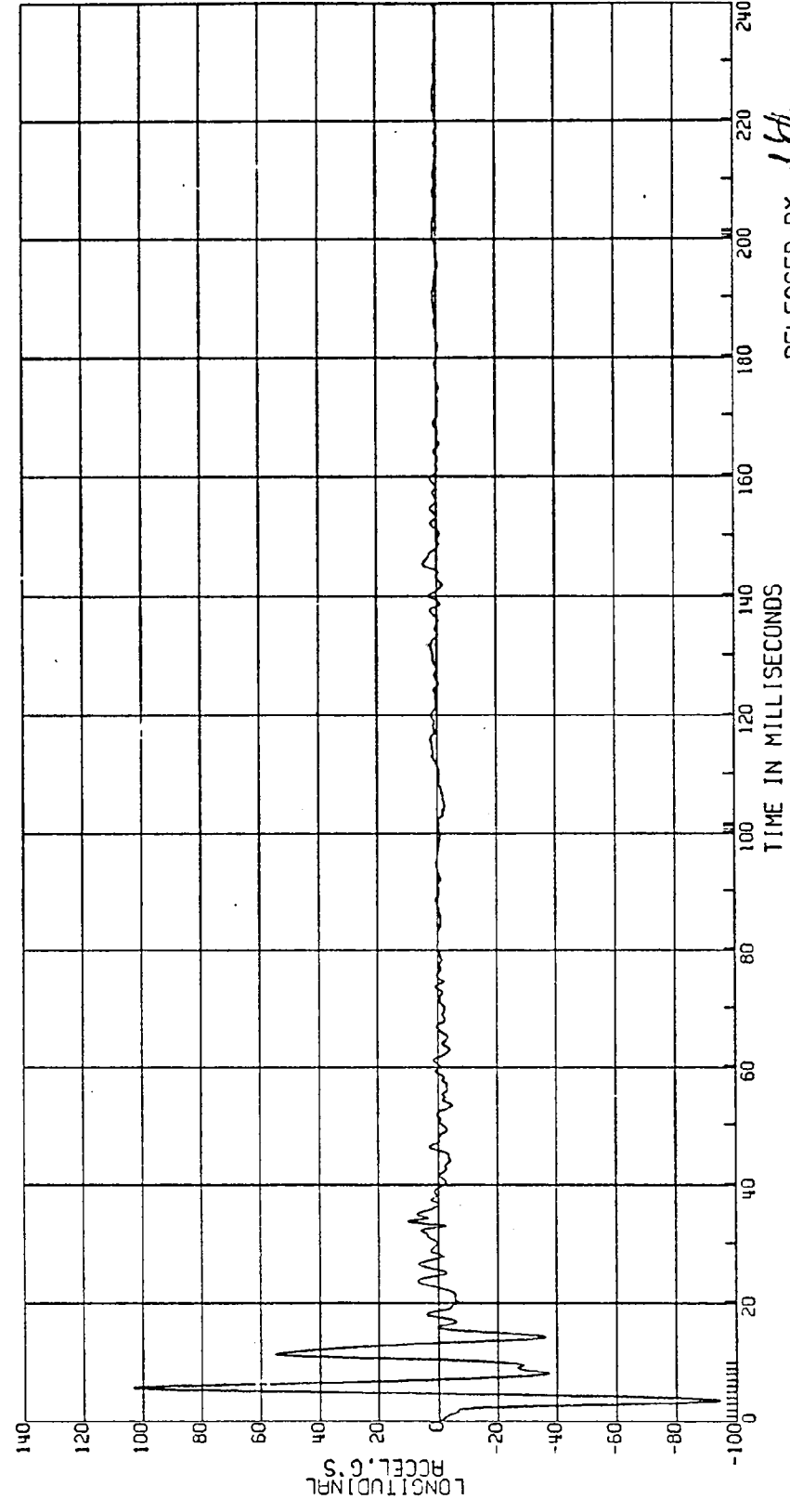
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C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 2
3865-176
CPC-FISHER CC462 3JC77 STRUCK RT FAT DOOR (C) ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:06-11-85



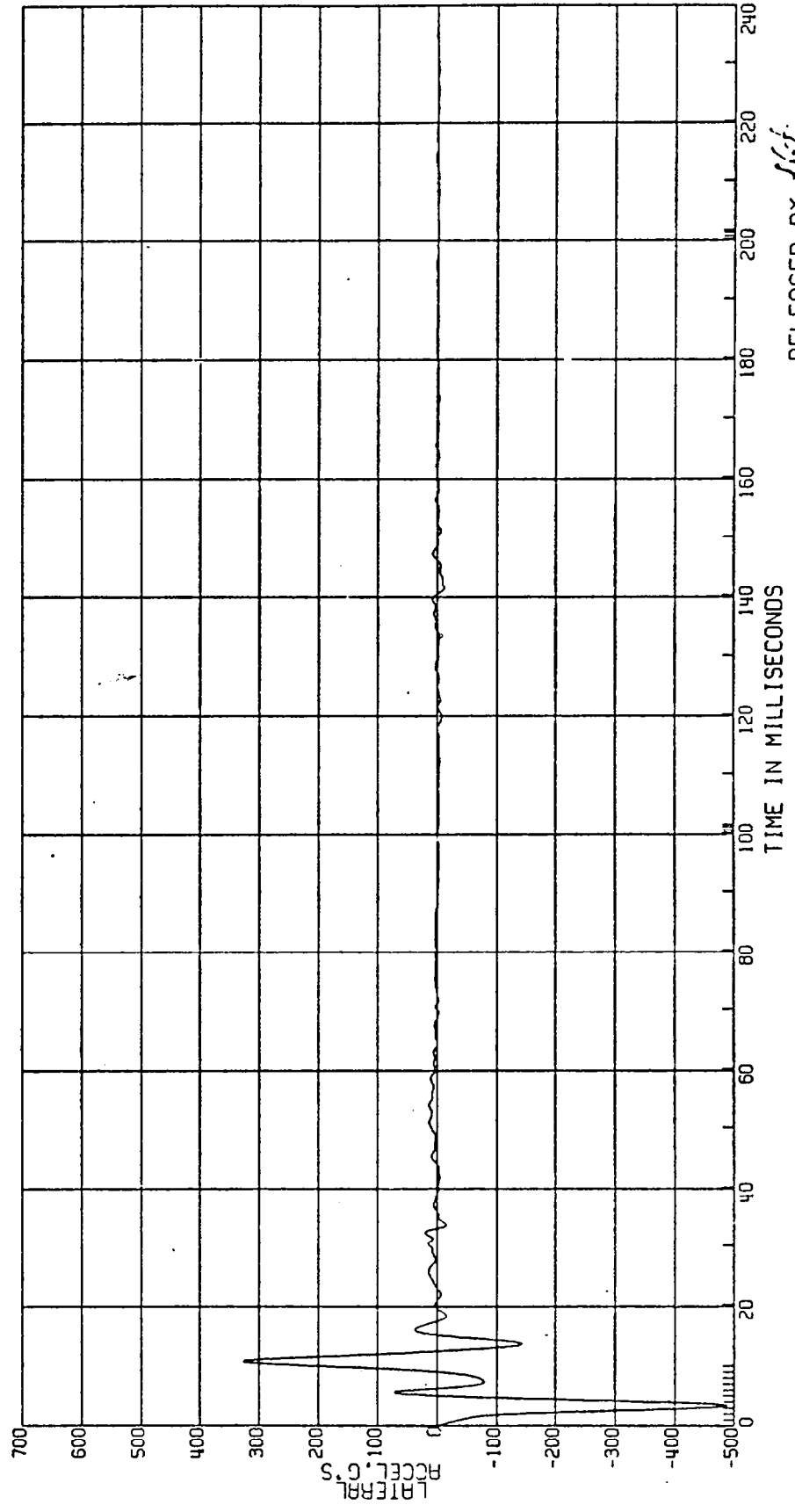
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C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 10
3865-176
CPC-FISHER CC462 3JC77 STRUCK RT FRT DOOR (C') ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:06-11-85



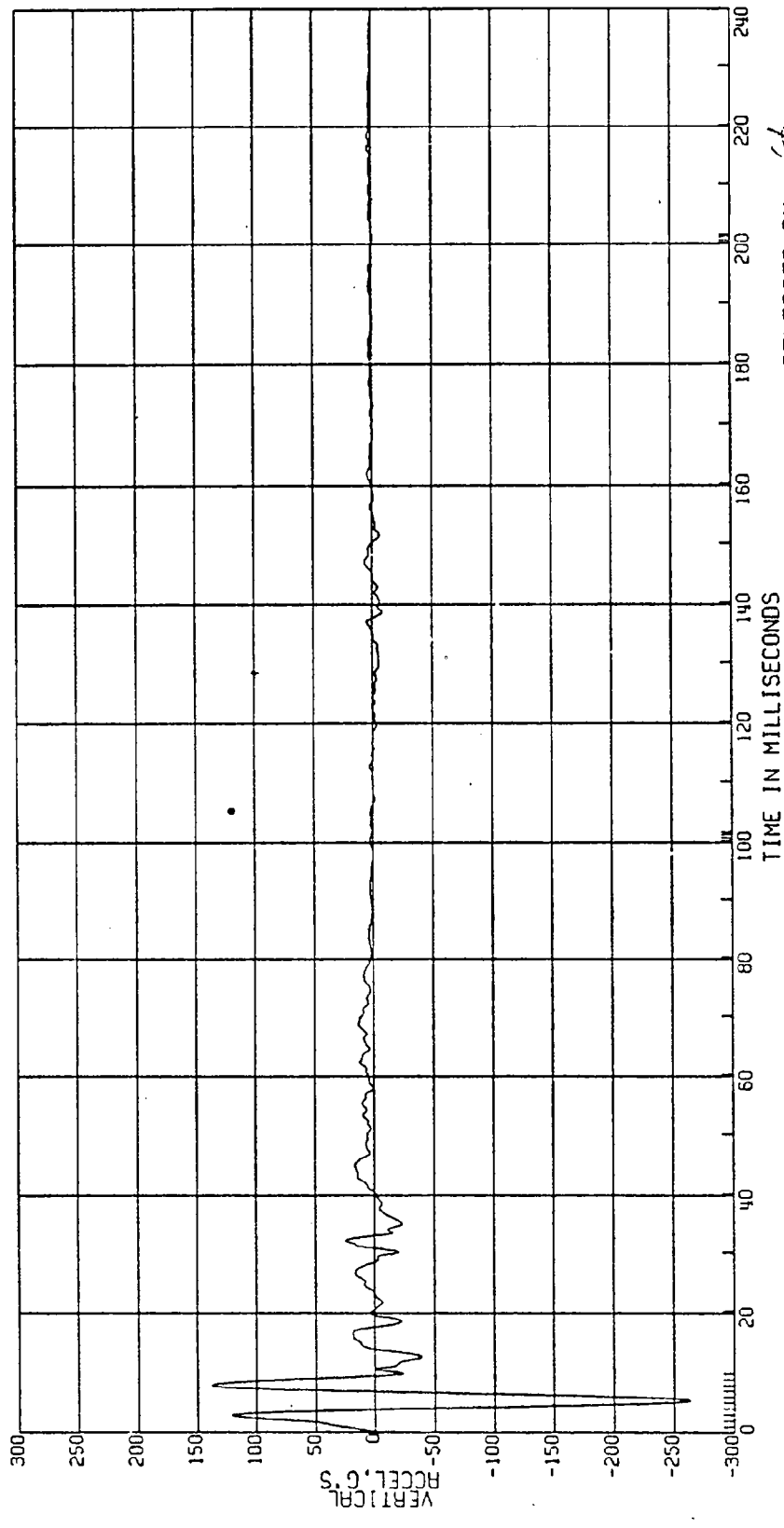
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C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 1A
3865-176
CPC-FISHER CC462 3JC77 STRUCK AT FRT DOOR (C') ACCEL.
A-D DATA SAE CLASS 60 TEST DATE: 06-11-85



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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 12
3865-176
CPC-FISHER CC462 3JC77 STRUCK RT FRT DOOR (C') ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:06-11-85



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CG251A RIGHT SIDE IMPACT

3865-176

CPC-FISHER CC462 3JC77 STRUCK

A-D DATA SAE CLASS 180

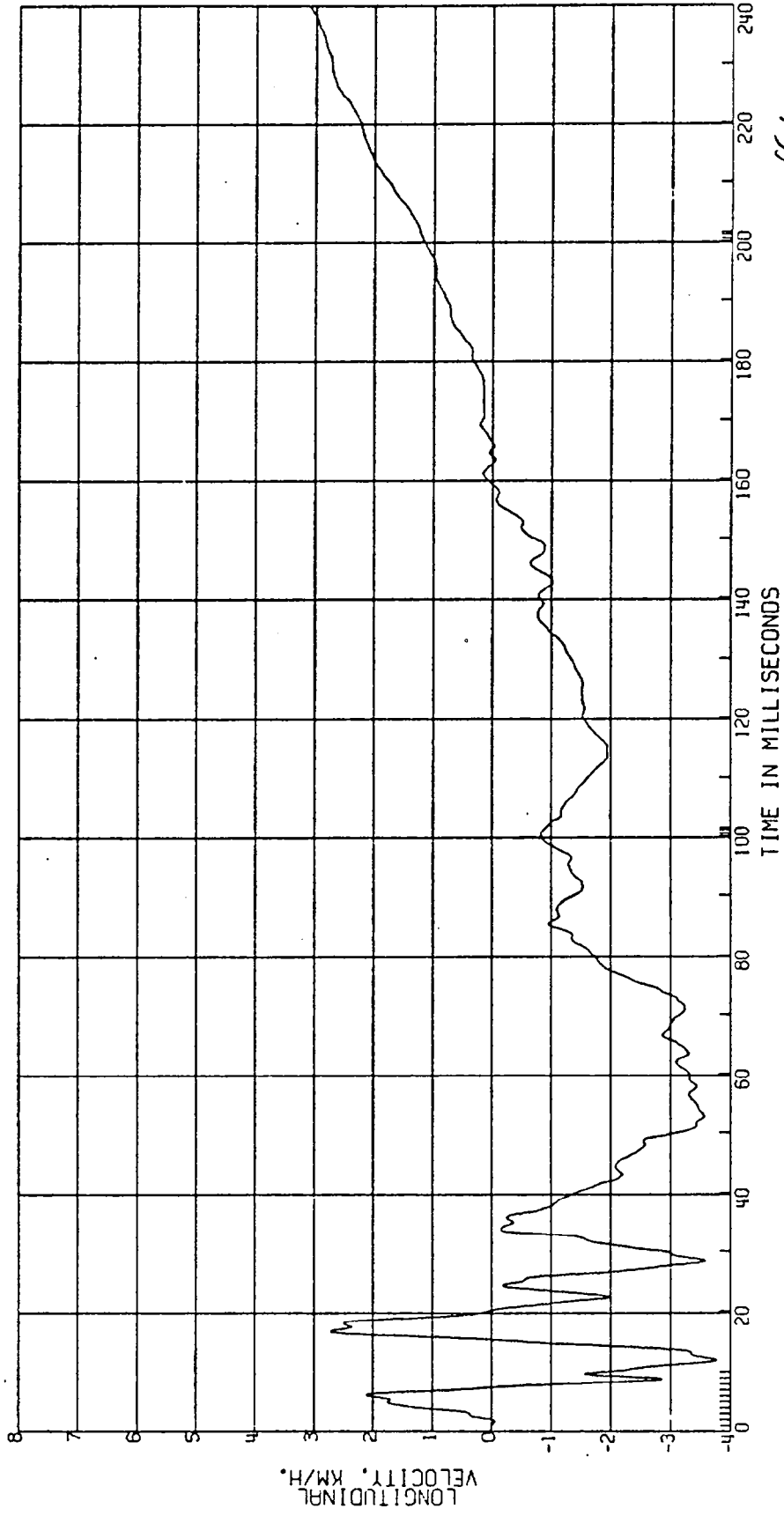
MOVING BARRIER TO PARKED VEHICLE

41.2 KM/H FIGURE 13.

COMPUTED RT FRT DOOR (A) VELOCITY

TEST DATE: 06-11-85

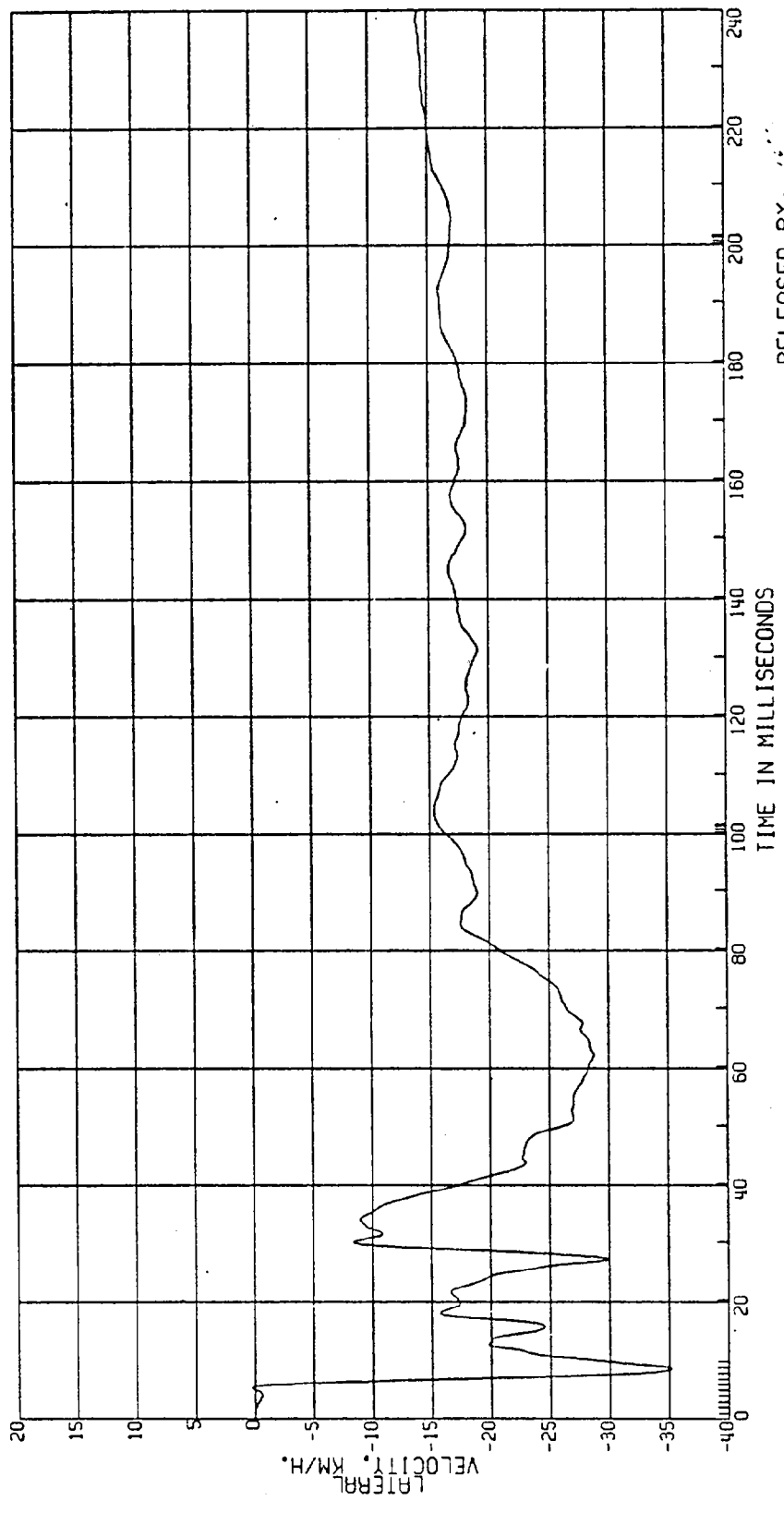
(1ST INTEGRAL ACCELERATION)



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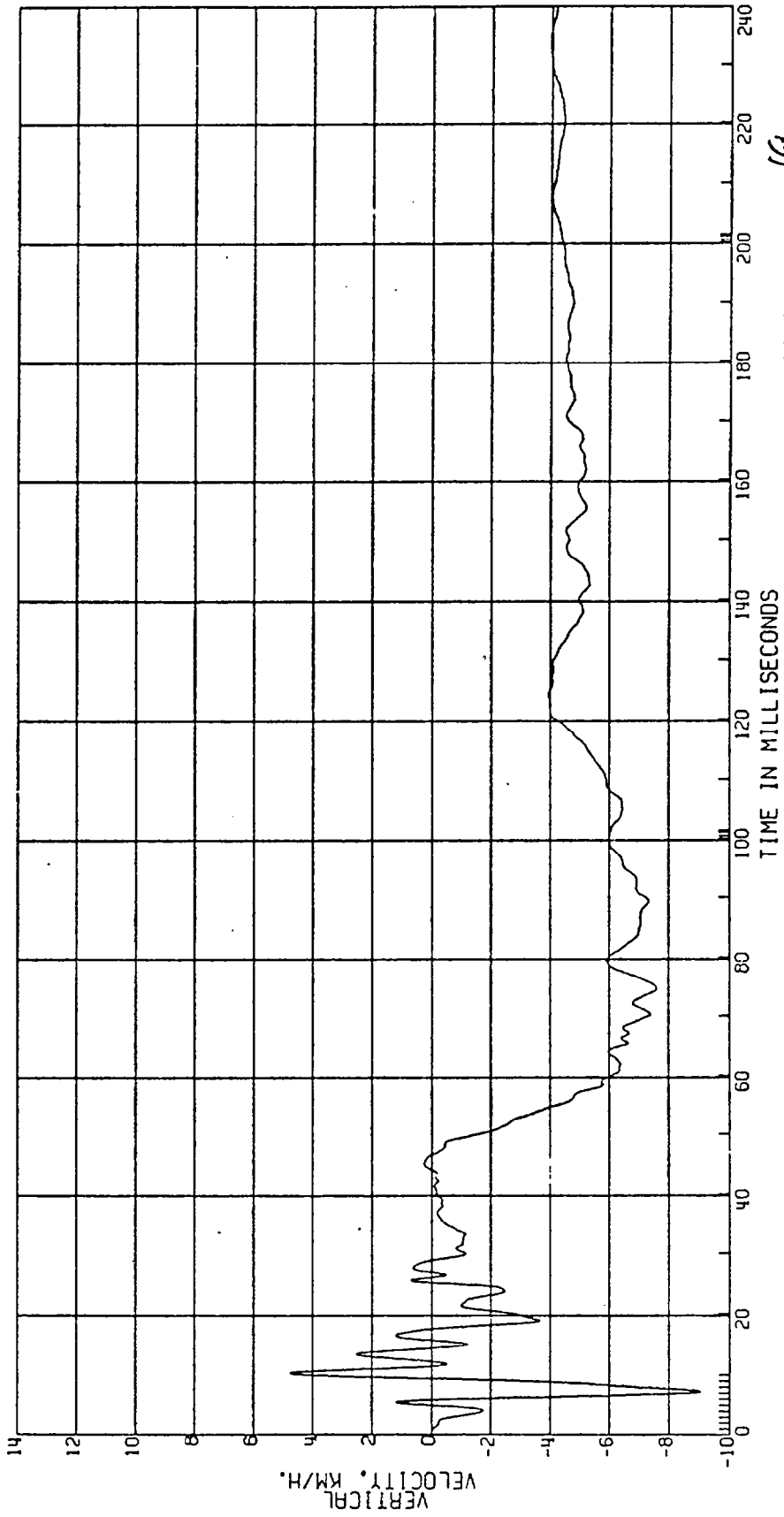
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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 14
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (A) VELOCITY TEST DATE: 06-11-85
A-D DATA SAE CLASS 180 (1ST INTEGRAL ACCELERATION)



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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE (5)
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (A) VELOCITY TEST DATE:06-11-85
A-O DATA SAE CLASS 180 (1ST INTEGRAL ACCELERATION)

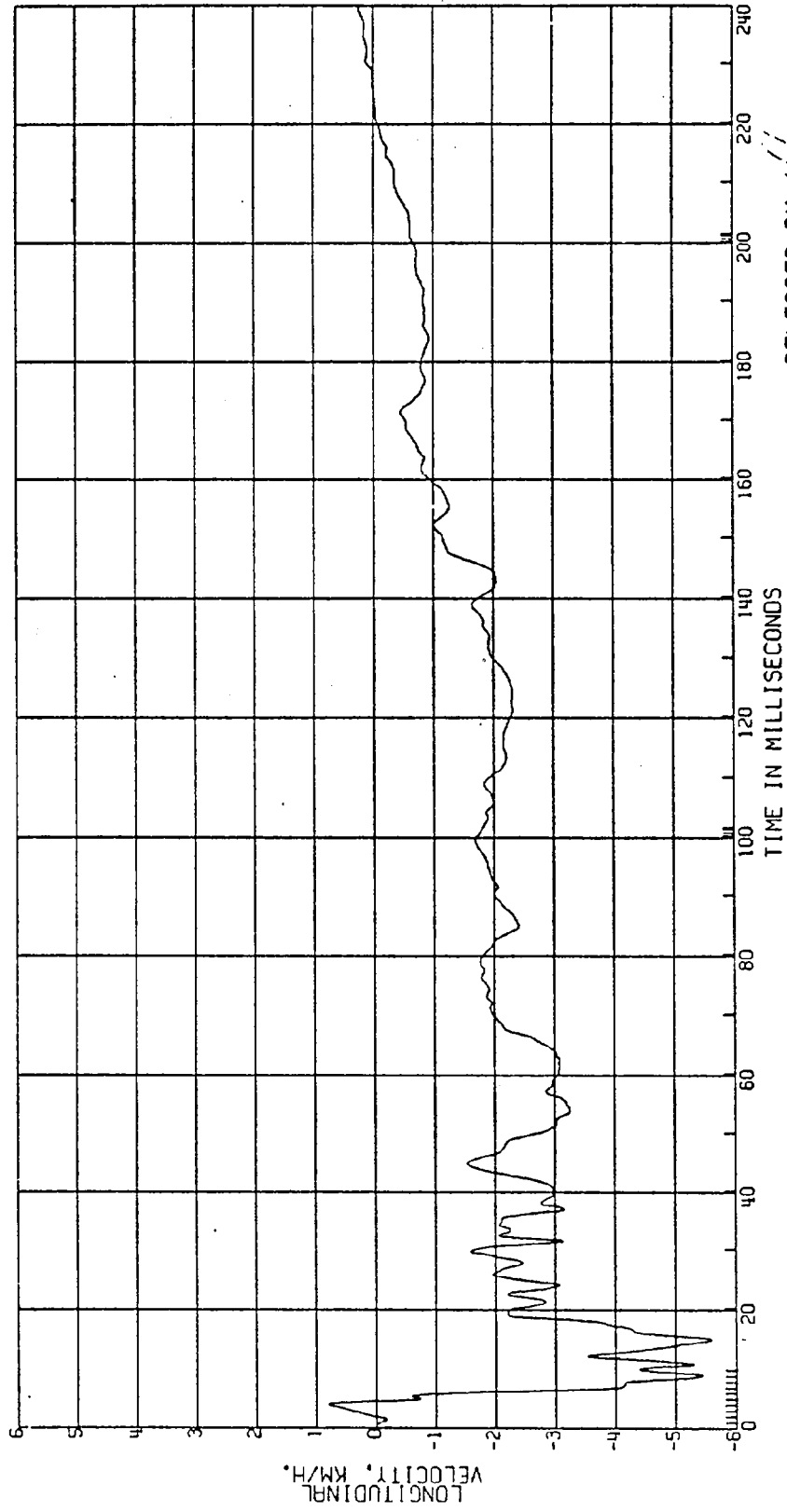


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CG251A RIGHT SIDE IMPACT
3865-176
CPC-FISHER CC462 3JC77 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 16
COMPUTED RT FRT DOOR (B) VELOCITY
TEST DATE: 06-11-85

(1ST INTEGRAL ACCELERATION)



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3865-176

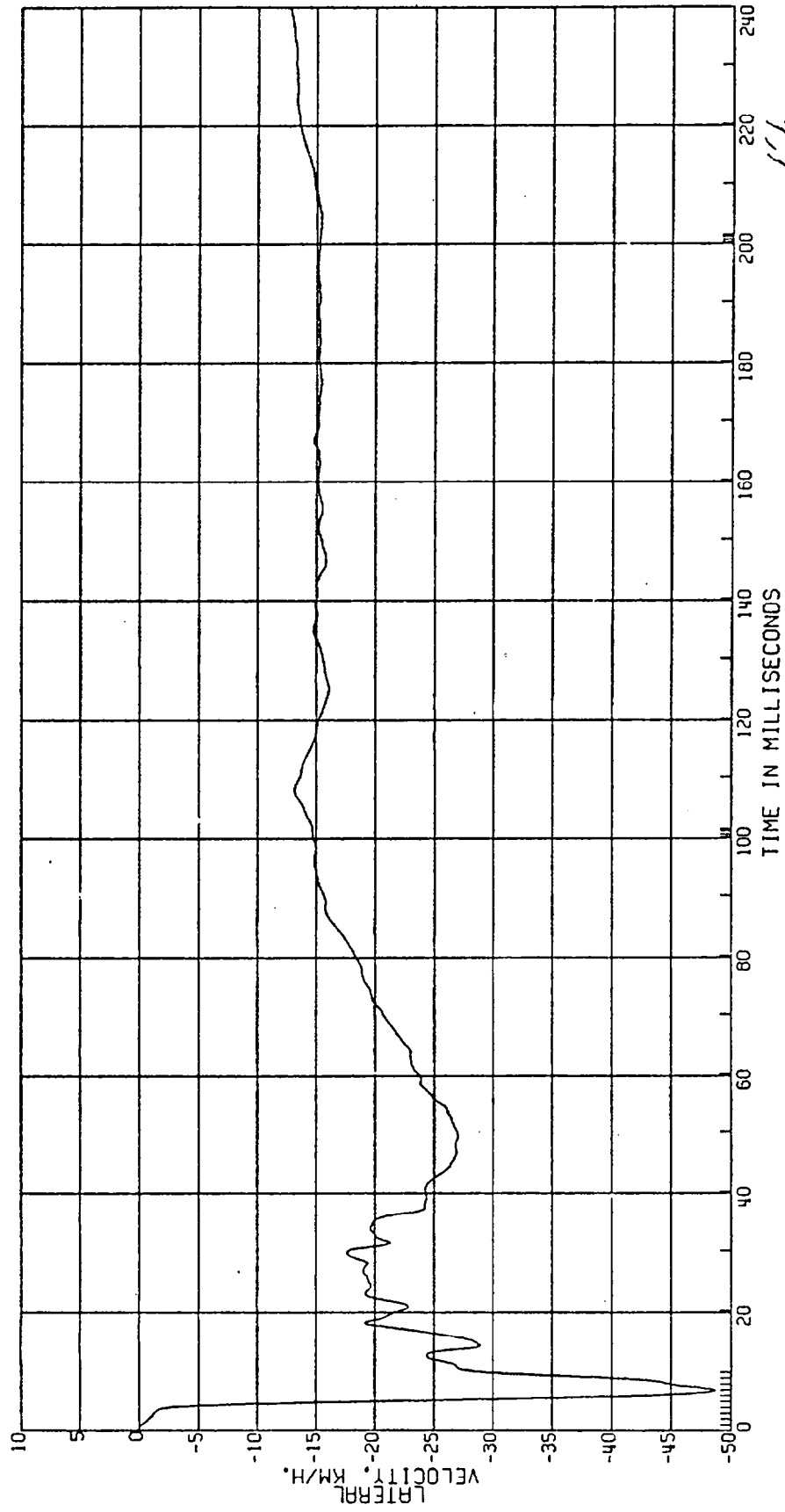
TEST DATE: 06-11-85

COMPUTED AT FRT DOOR (B) VELOCITY

CPC-FISHER CC462 3JC77 STRUCK

A-D DATA SAE CLF.SS 180

(1ST INTEGRAL ACCELERATION)



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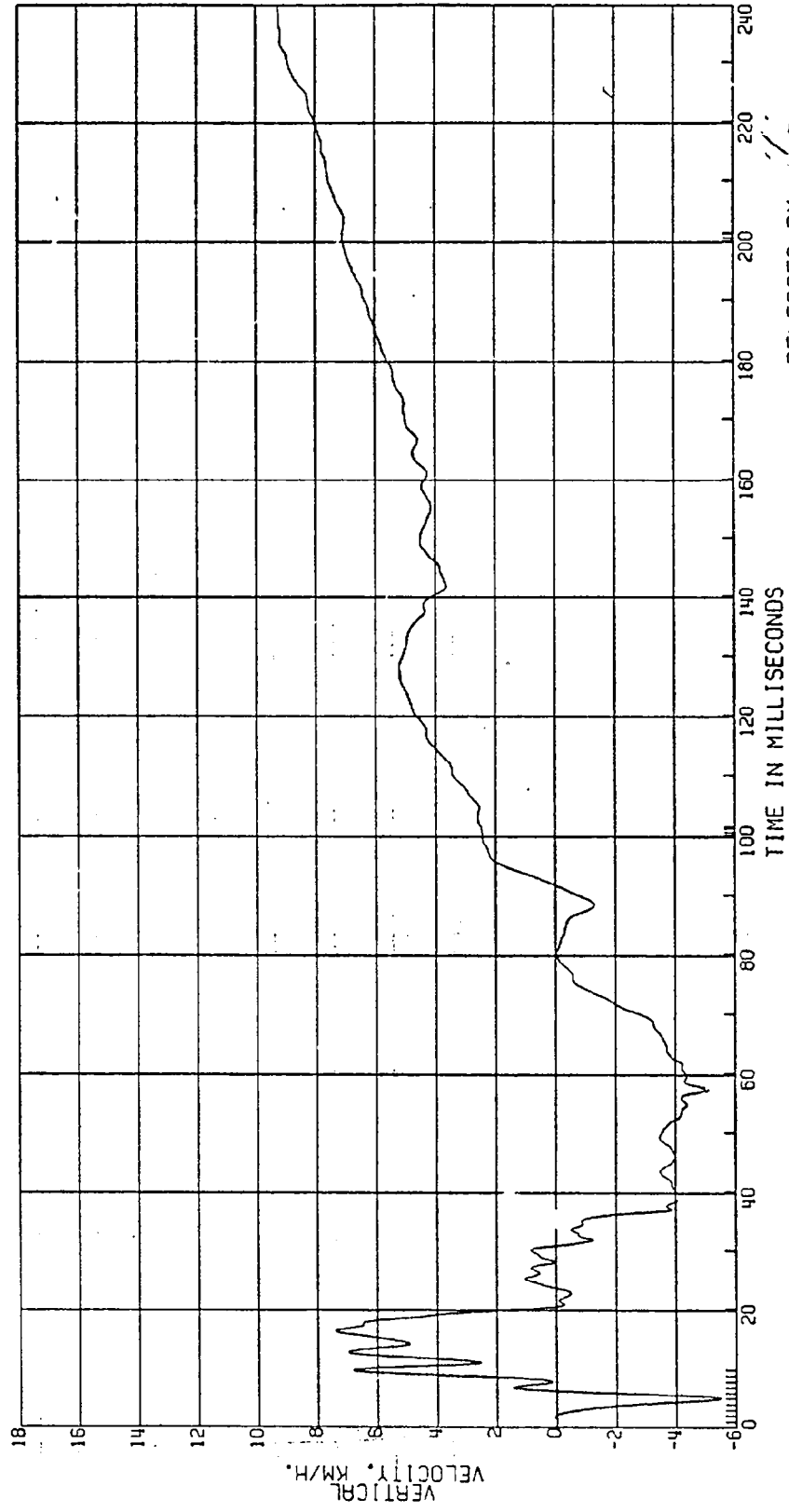
CPC-FISHER CC462 3JC77 STRUCK

A-D DATA SAE CLASS 180

COMPUTED RT FRT DOOR (B) VELOCITY

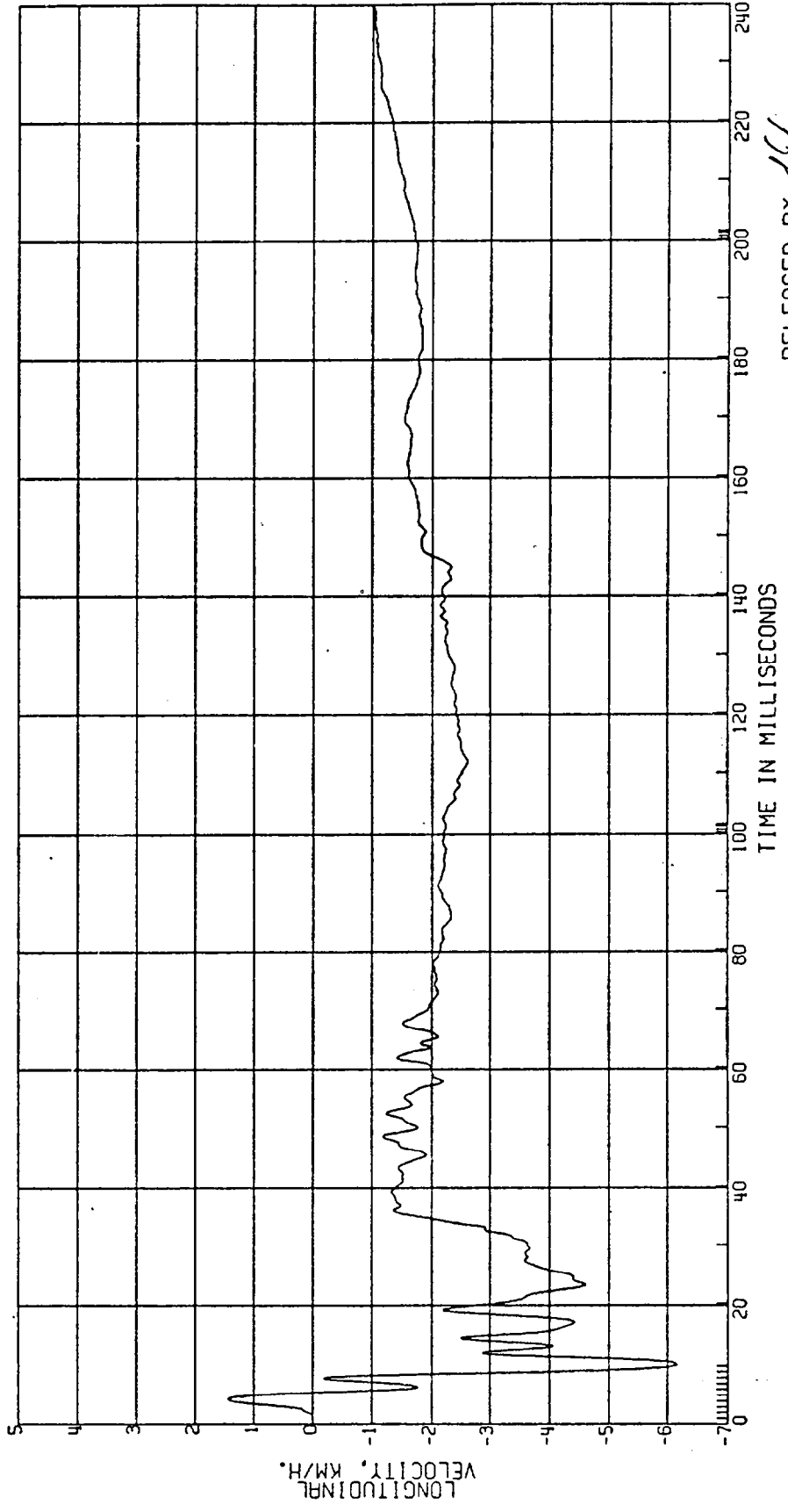
TEST DATE: 06-11-85

(1ST INTEGRAL ACCELERATION)



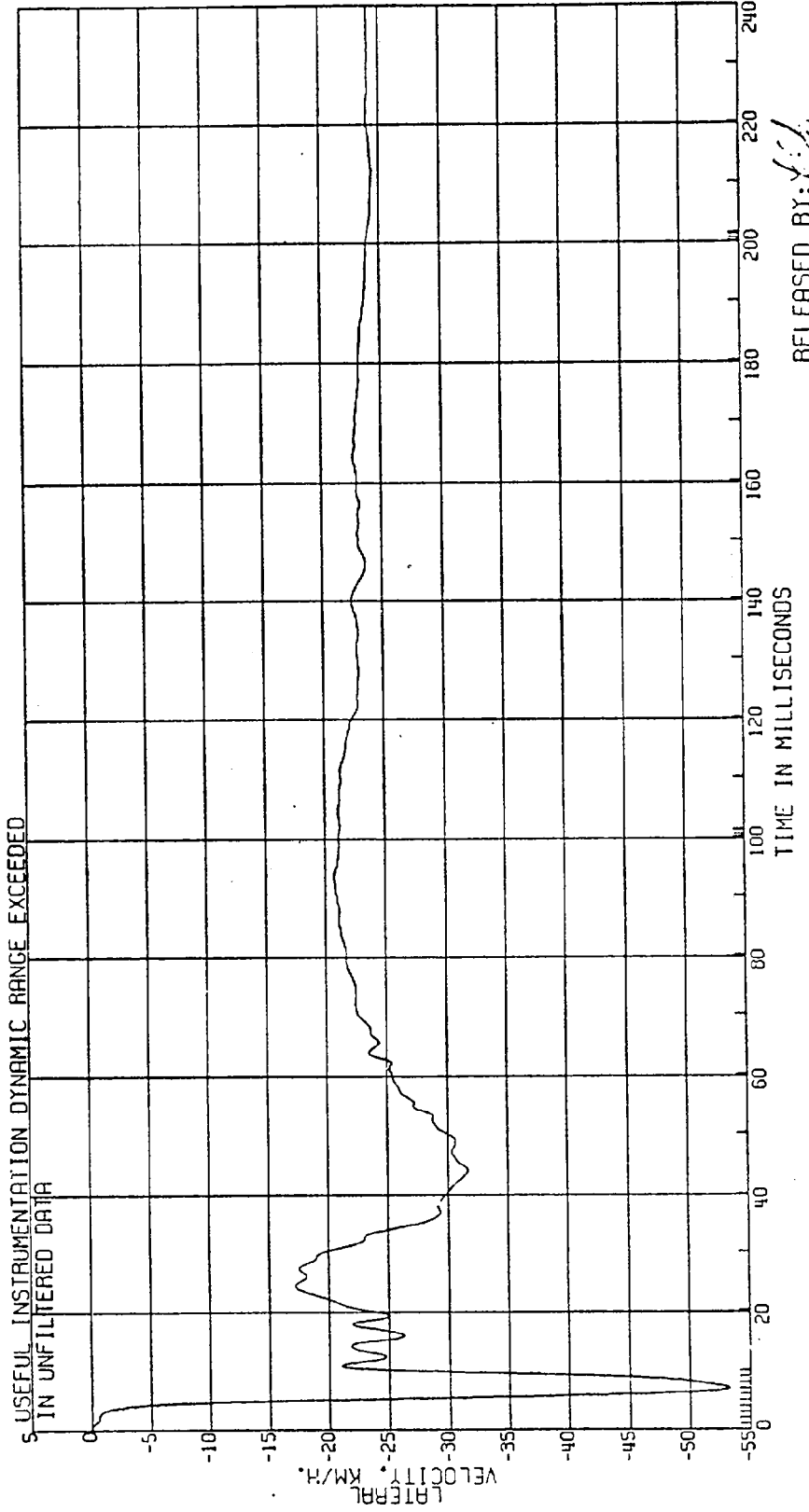
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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 19
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (C) VELOCITY TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (1ST INTEGRAL ACCELERATION)

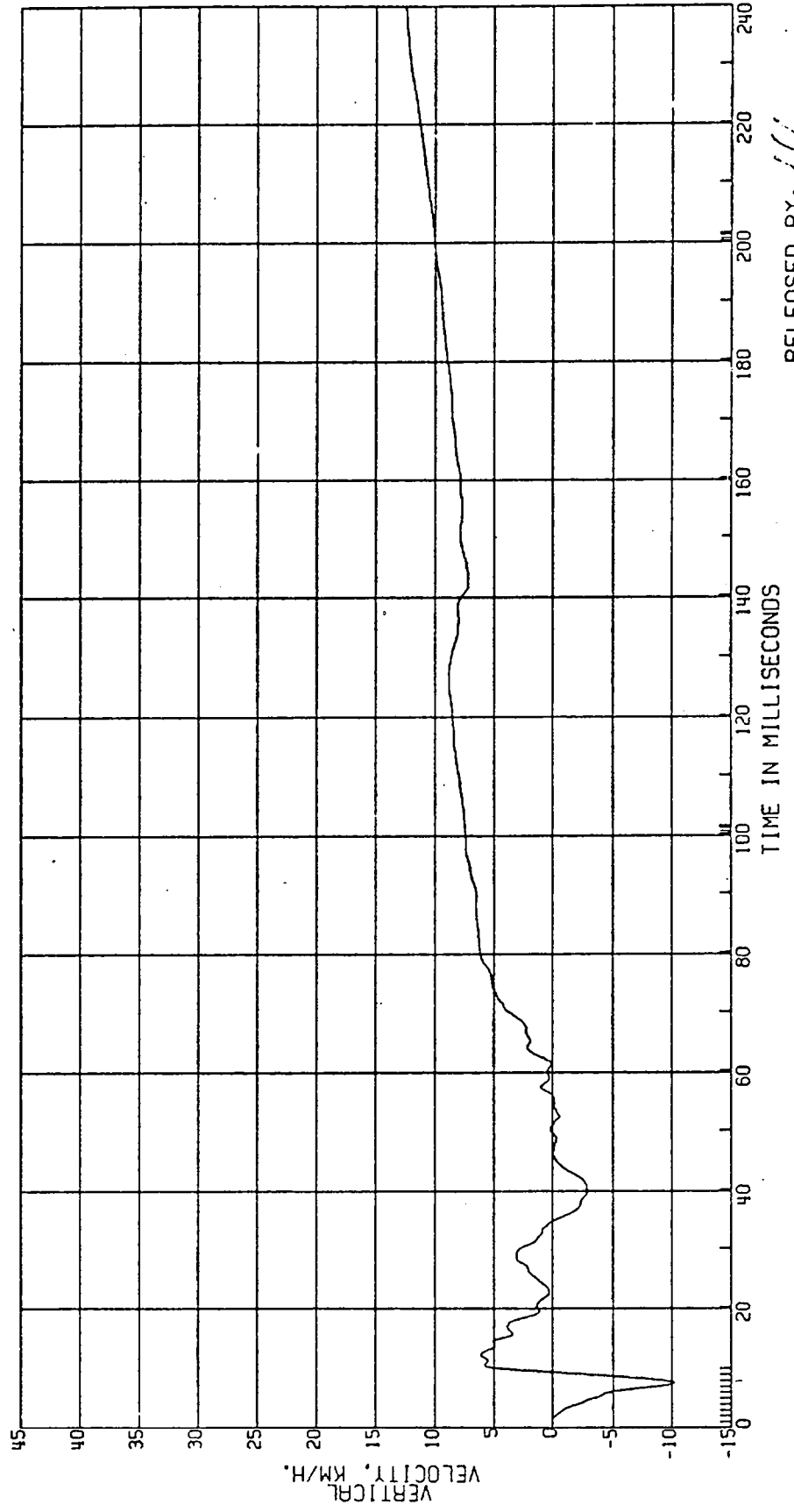


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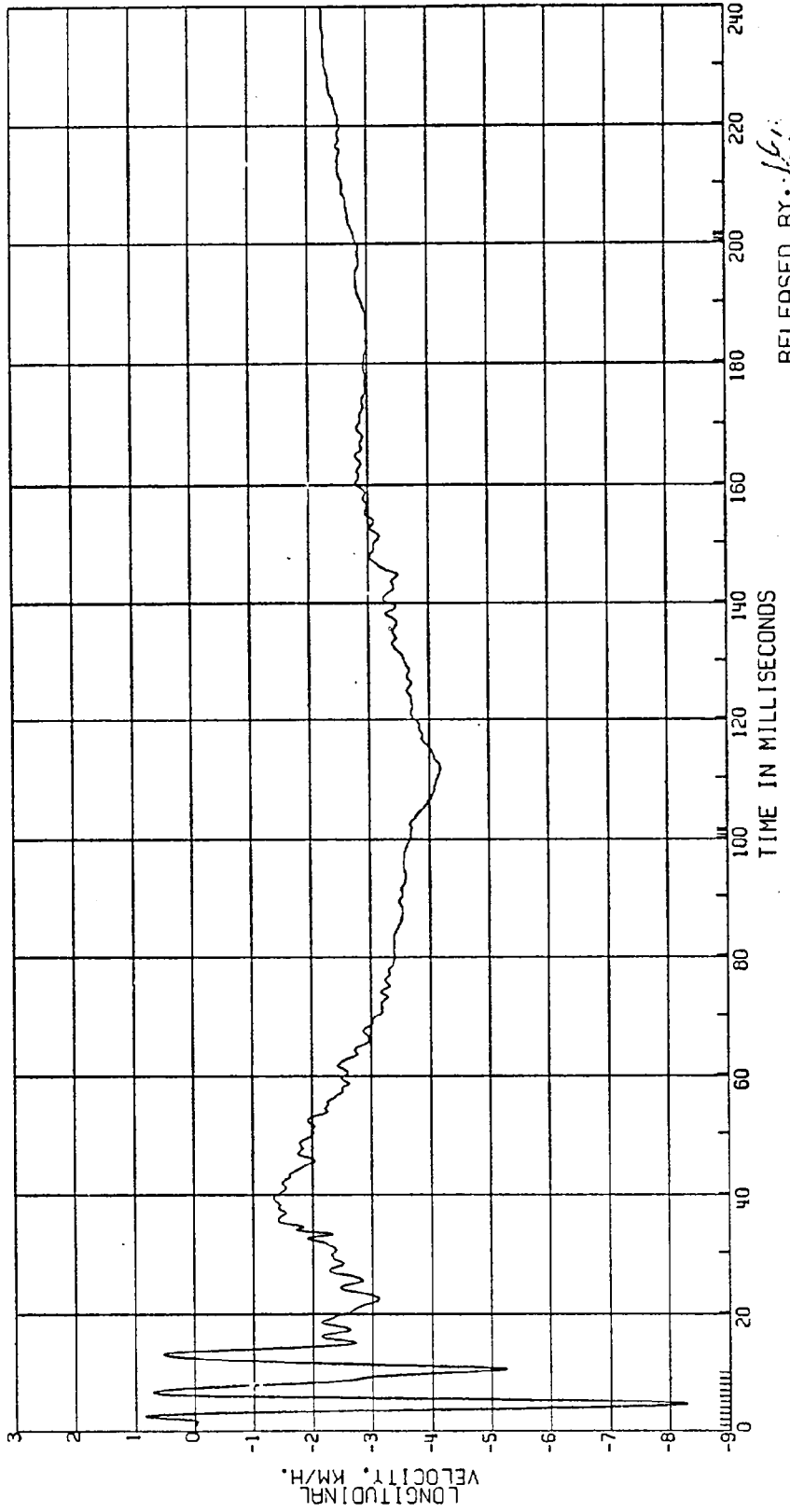
CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 2D
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED AT FRT DOOR (C) VELOCITY TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (1ST INTEGRAL ACCELERATION)



CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 3A
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (C) VELOCITY TEST DATE: 06-11-85
A-D DATA SAE CLASS 180 (1ST INTEGRAL ACCELERATION)

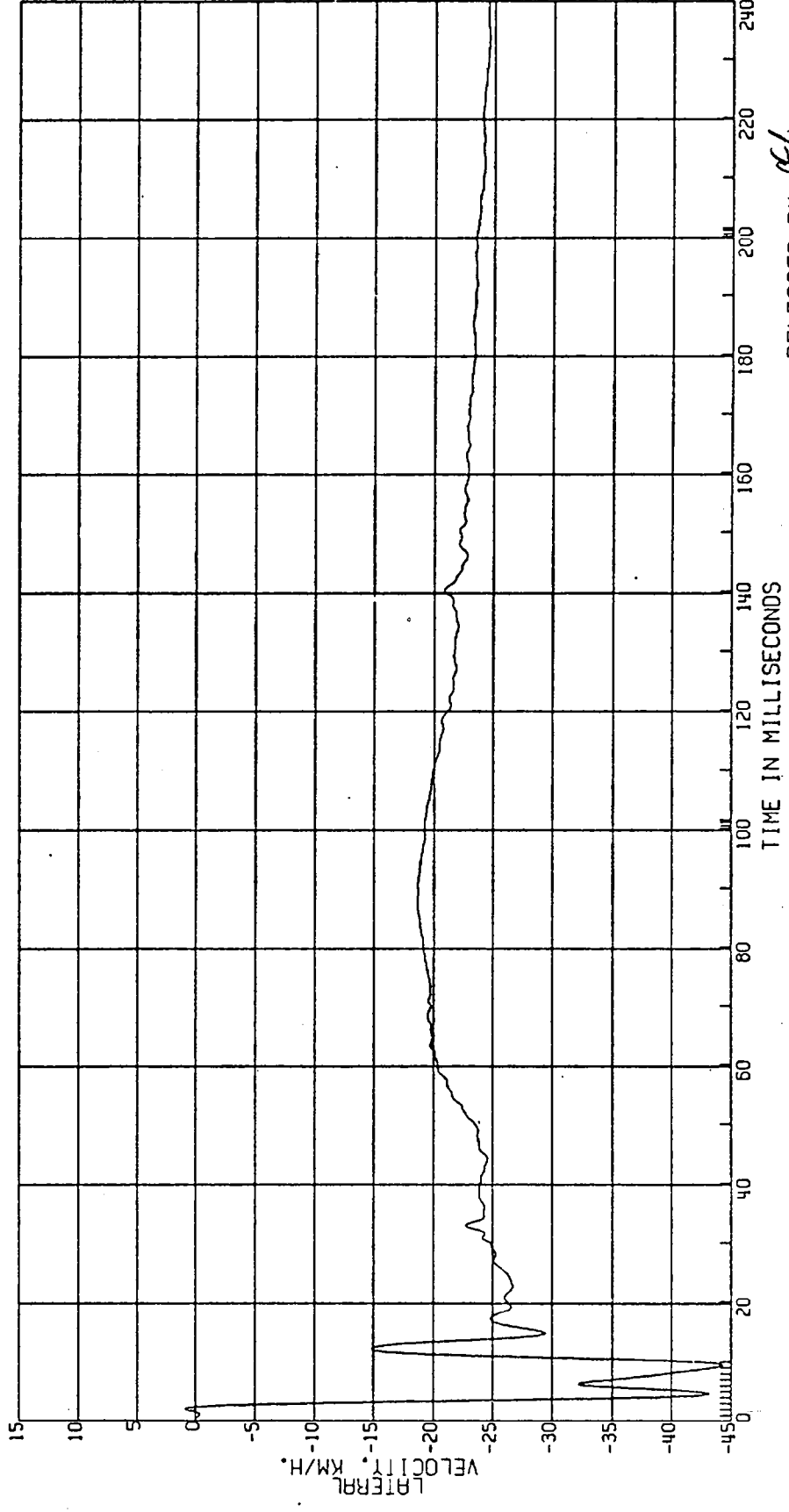


CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 3
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (C') VELOCITY TEST DATE:06-11-85
A-O DATA SAE CLASS 180 (1ST INTEGRAL ACCELERATION)



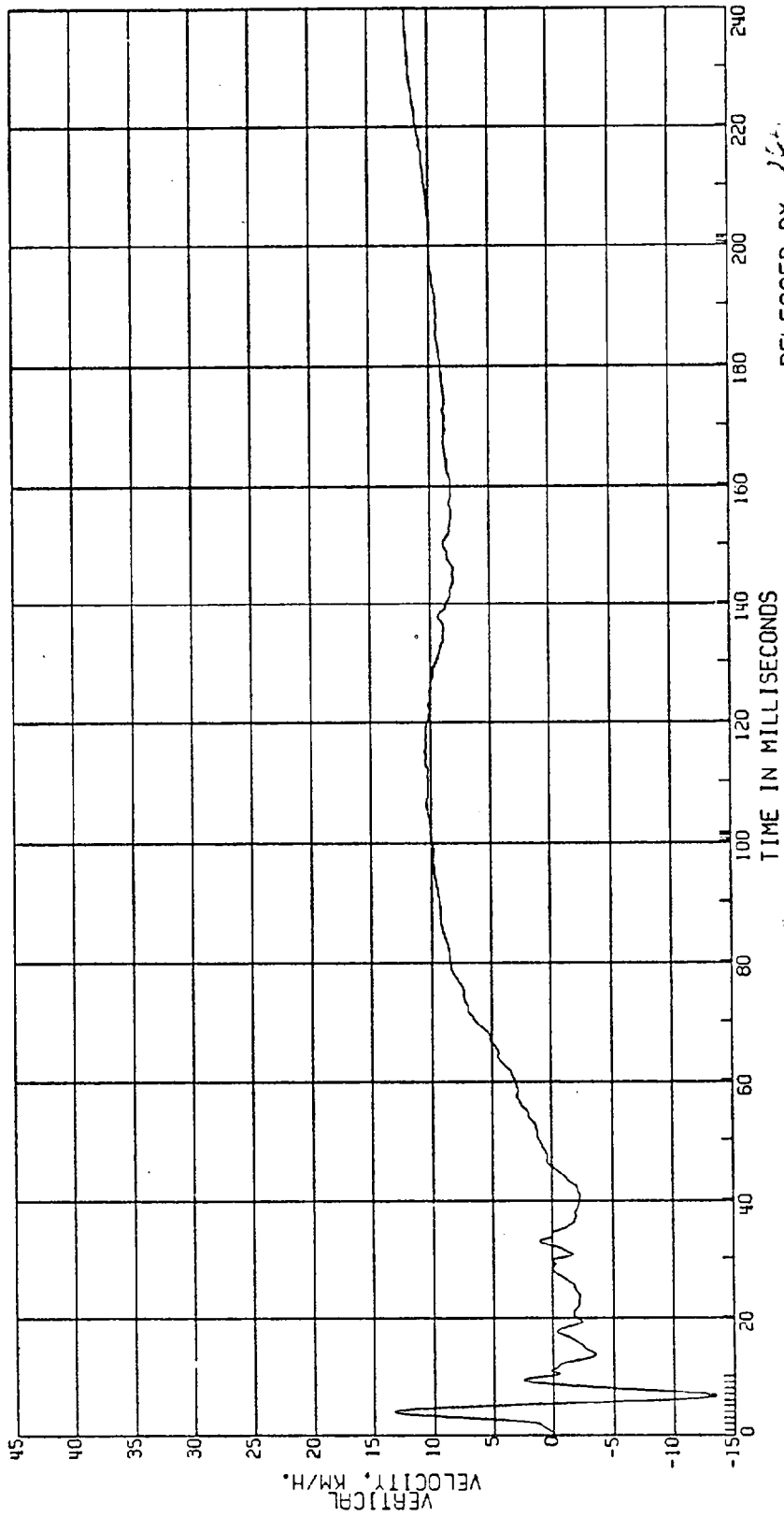
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51 PROCESSED 11 JUN 85 19:01

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 2.3
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (C') VELOCITY TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (1ST INTEGRAL ACCELERATION)



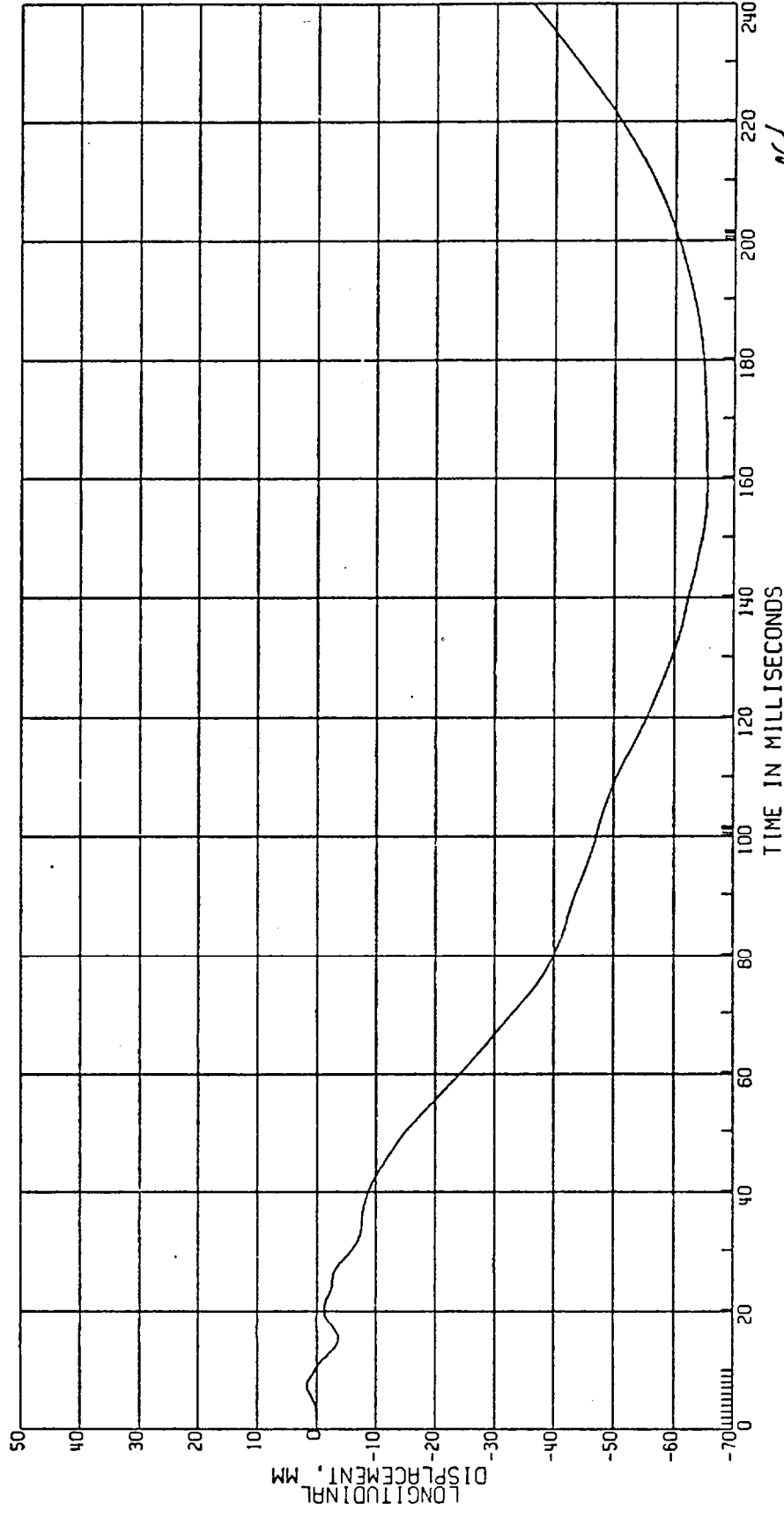
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54 PROCESSED 11 JUN 85 19:01

CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 3-4
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (C') VELOCITY TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (1ST INTEGRAL ACCELERATION)



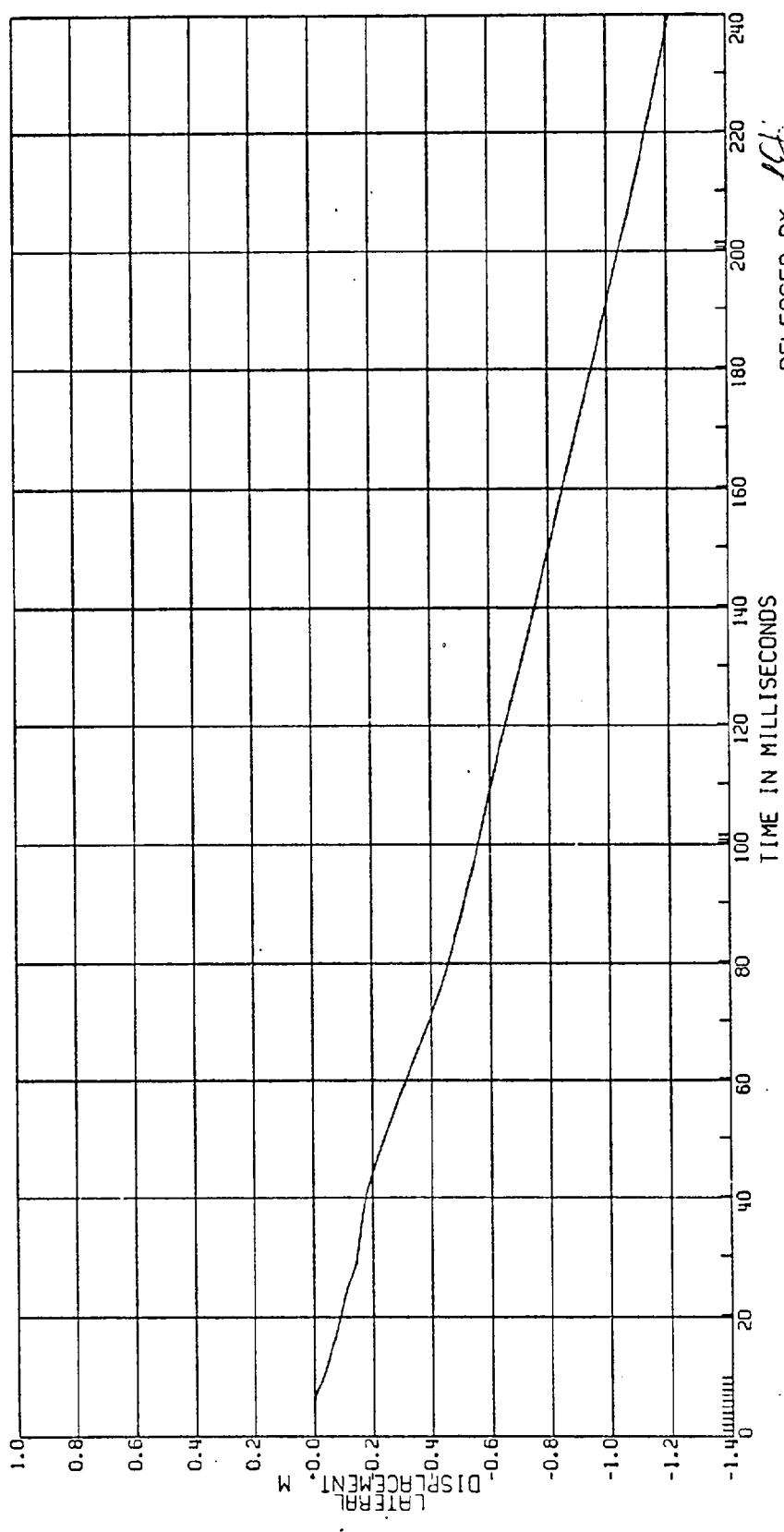
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57 PROCESSED 11 JUN 85 19:02

CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 25
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (A) DISPLACEMENT TEST DATE: 06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



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16 PROCESSED 11 JUN 85 18:54

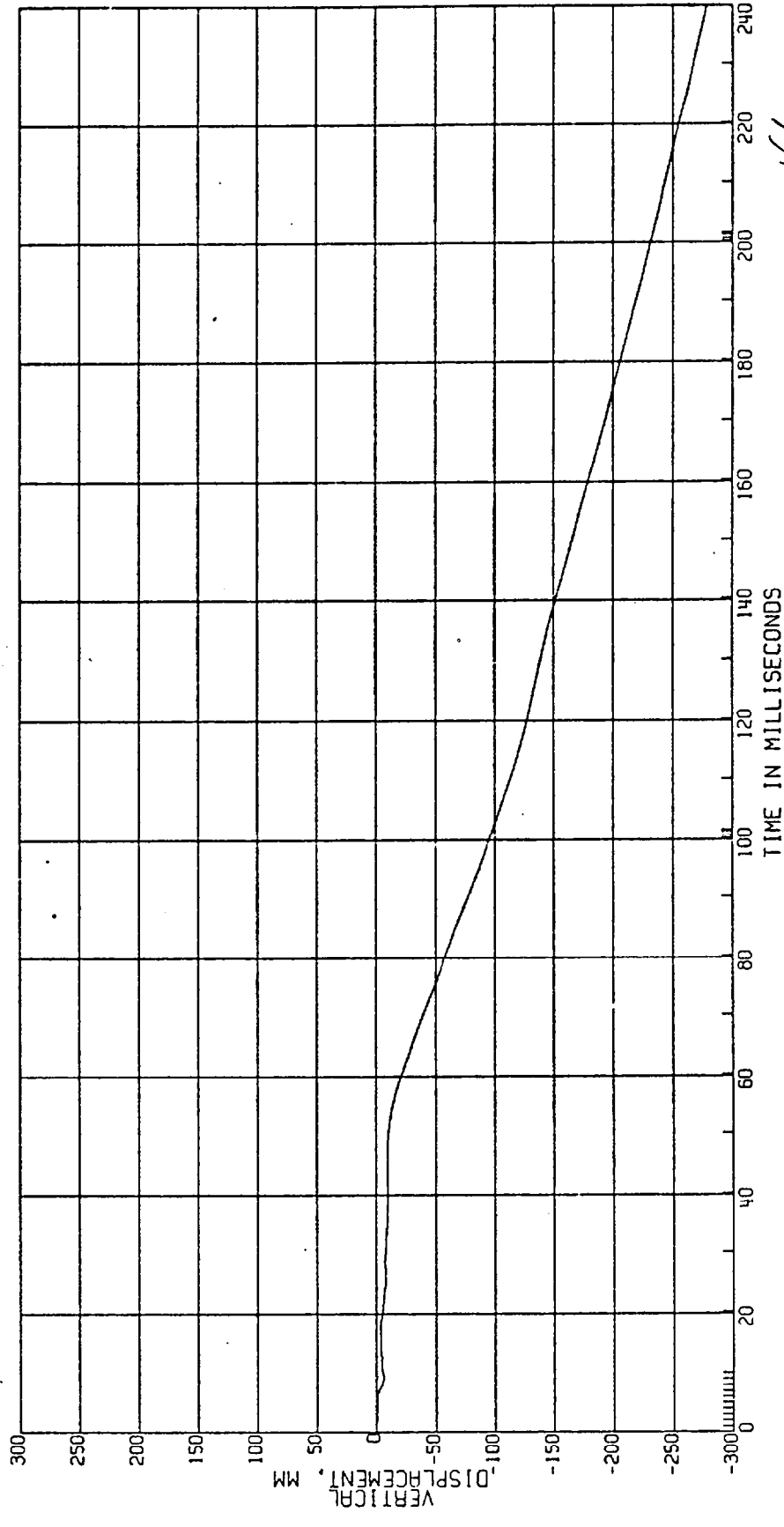
CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 3b
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (A) DISPLACEMENT TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



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19 PROCESSED 11 JAN 85 18:55

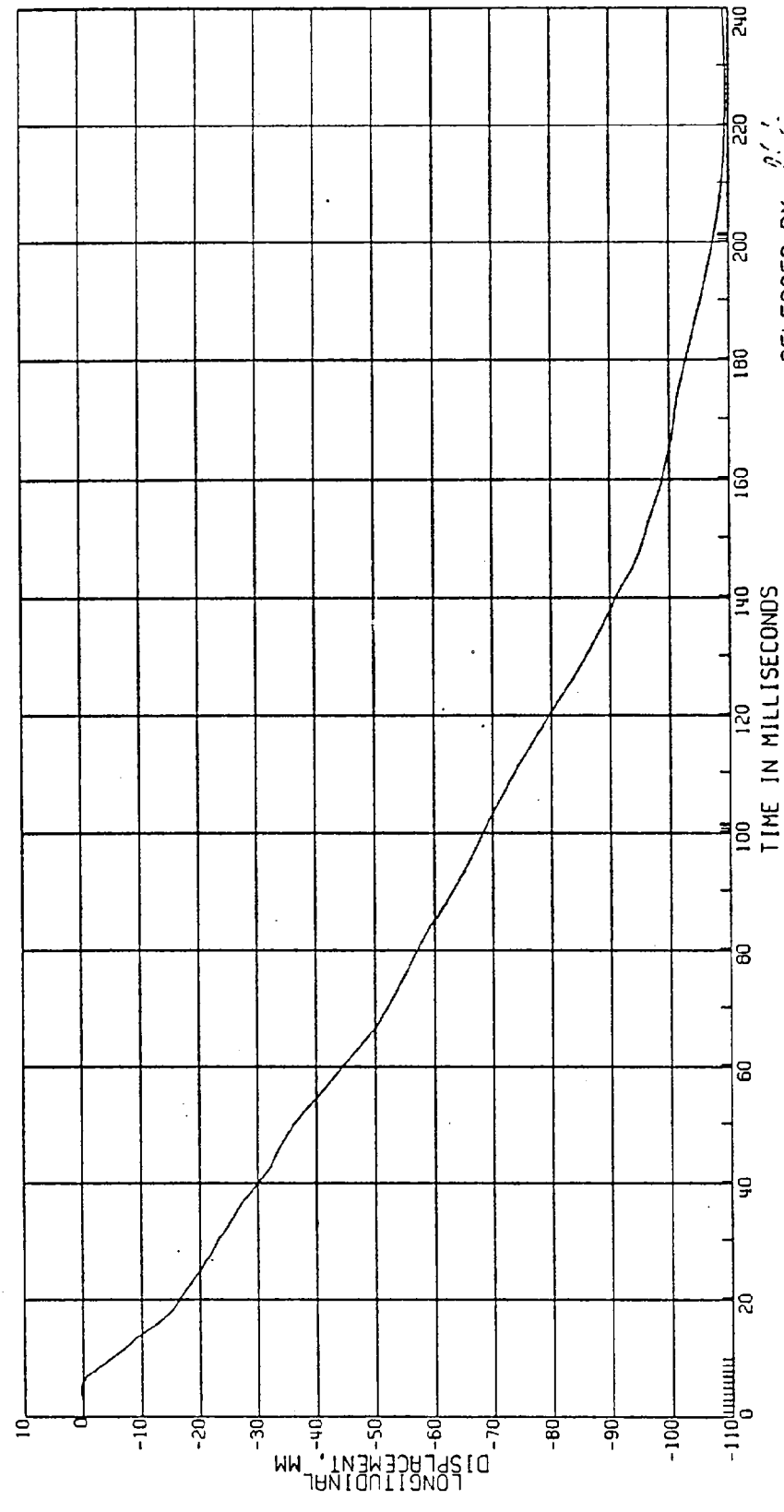
C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 2-7
 3865-176
 CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (A) DISPLACEMENT
 A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)

TEST DATE: 06-11-85



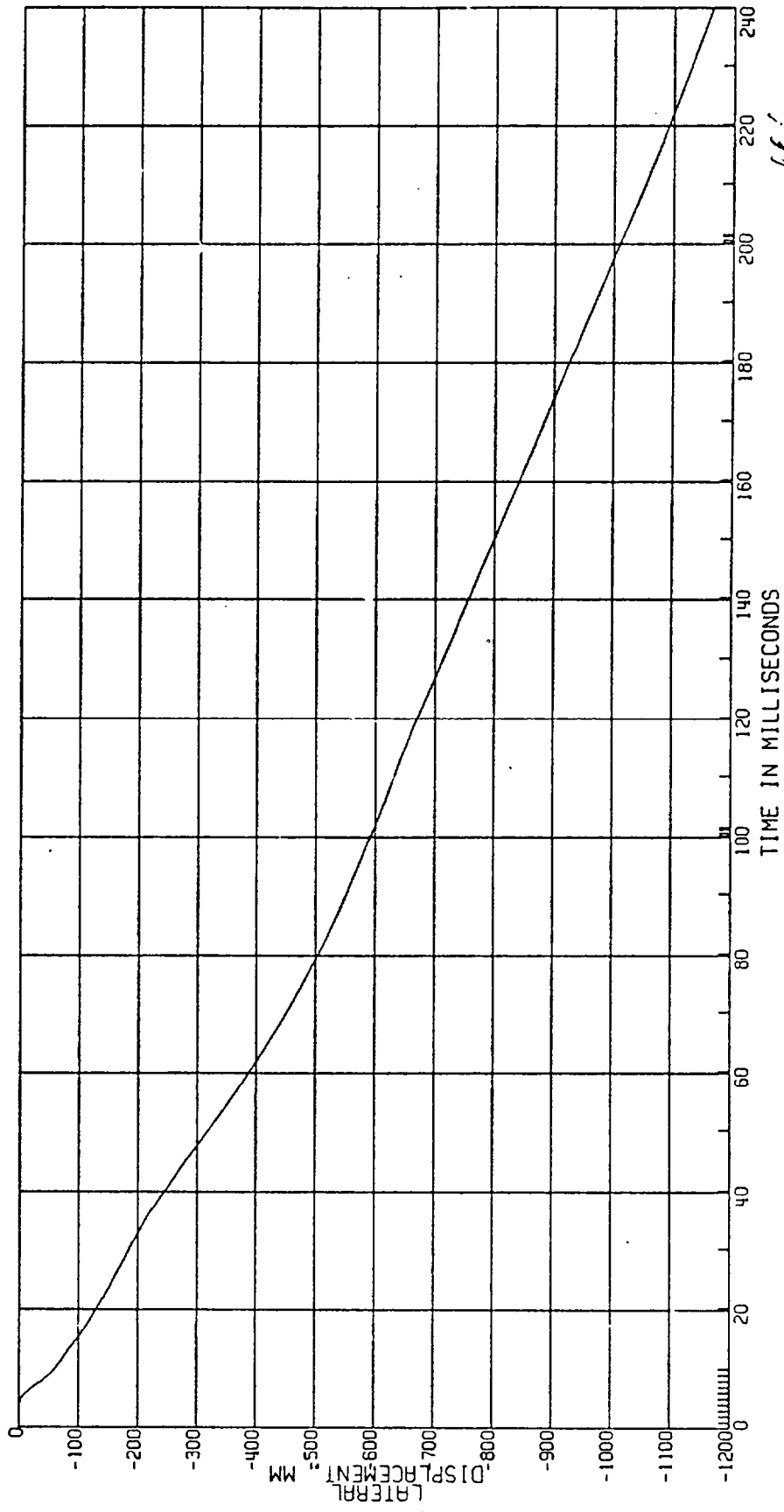
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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 2-3
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (B) DISPLACEMENT TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



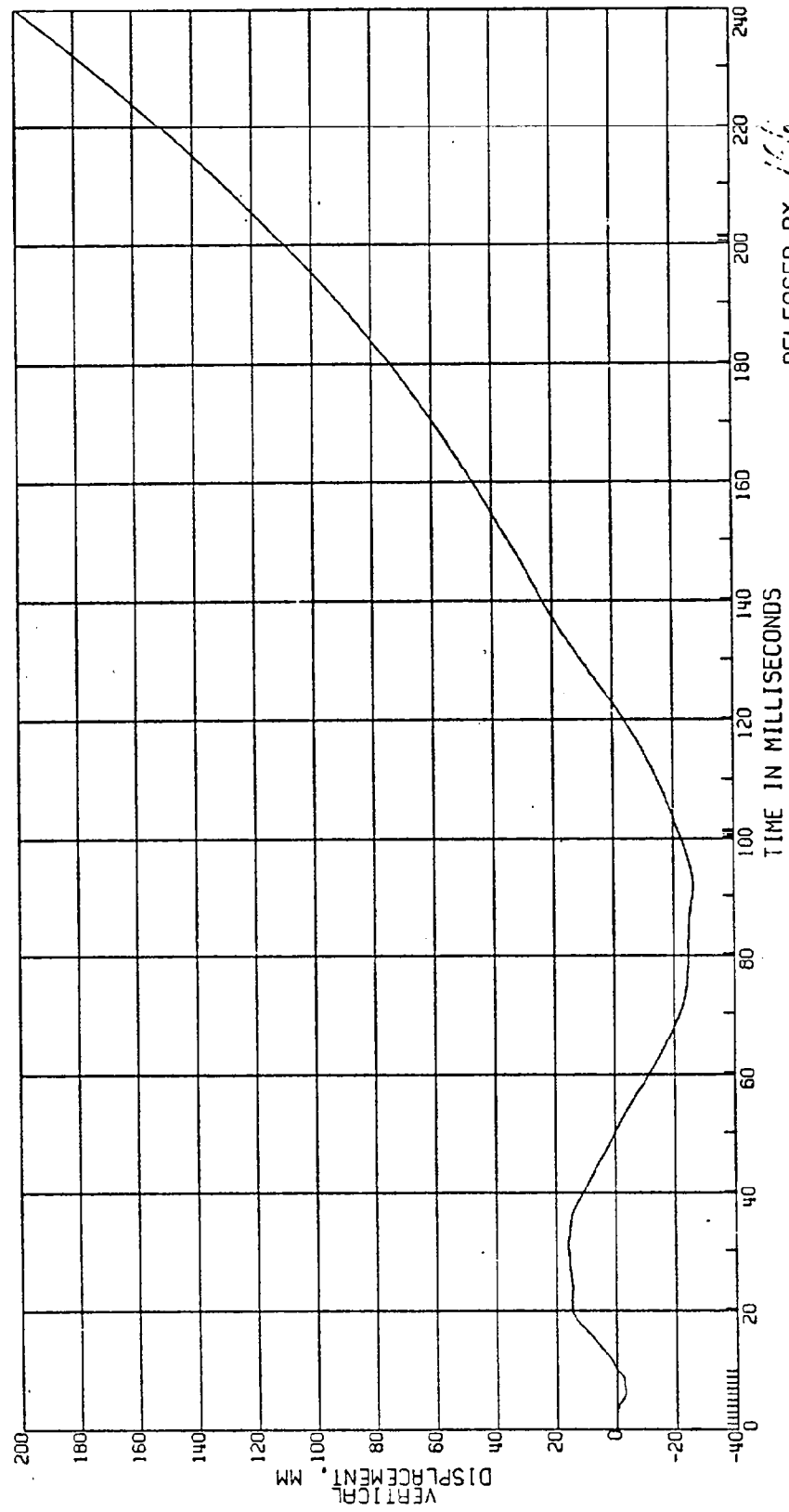
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25 PROCESSED 11 JUN 85 18:56

U6251H HIGH SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 29
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (B) DISPLACEMENT TEST DATE: 06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



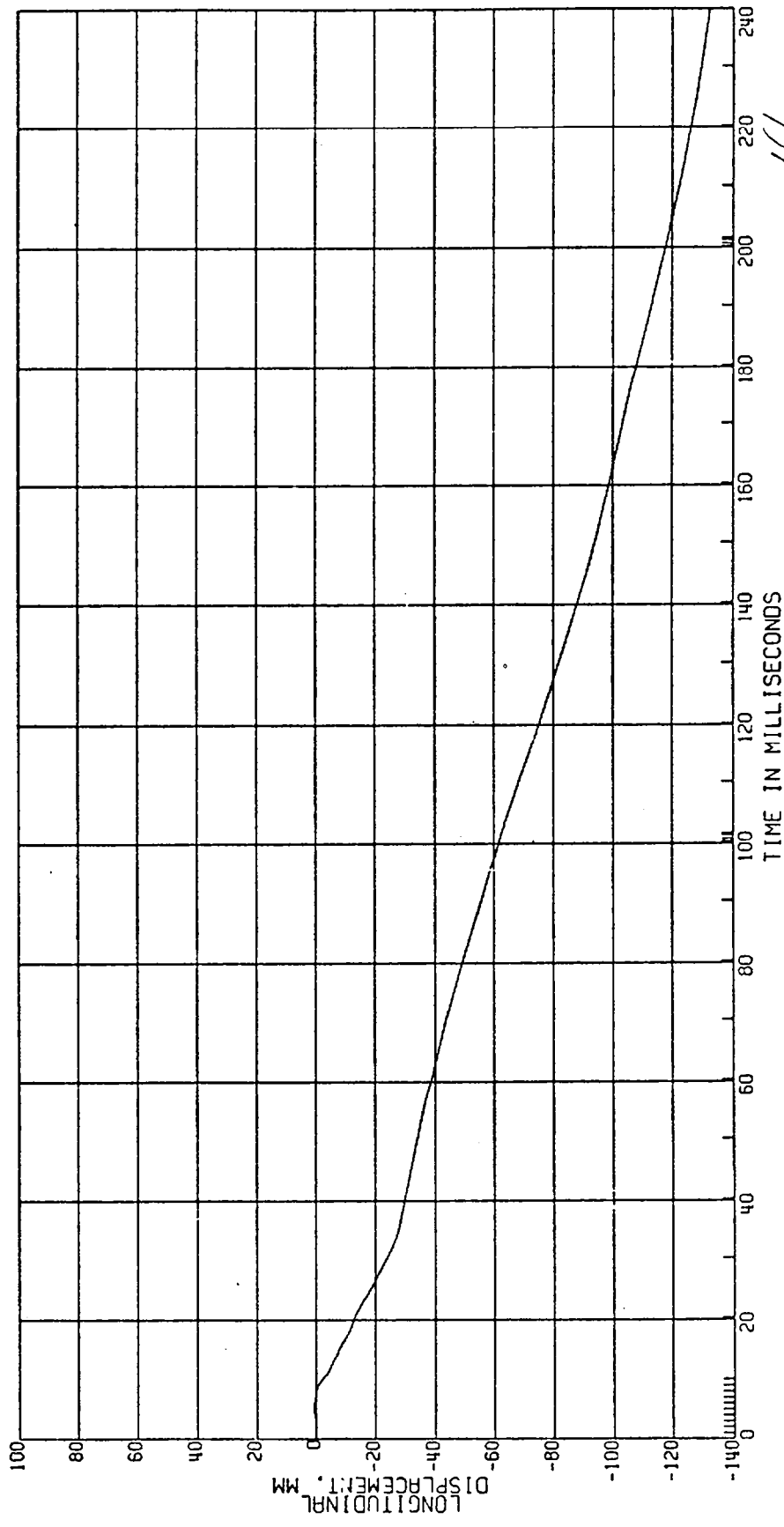
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28 PROCESSED 11 JUN 85 18:57

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 20
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (B) DISPLACEMENT TEST DATE: 06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



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31 PROCESSED 11 JUN 85 18:57

3865-176
CPC-FISHER CC462 3JC77 STRUCK
A-D DATA SAE CLASS 180
COMPUTED RT FRT DOOR (C) DISPLACEMENT
(2ND INTEGRAL ACCELERATION)
TEST DATE: 06-11-85



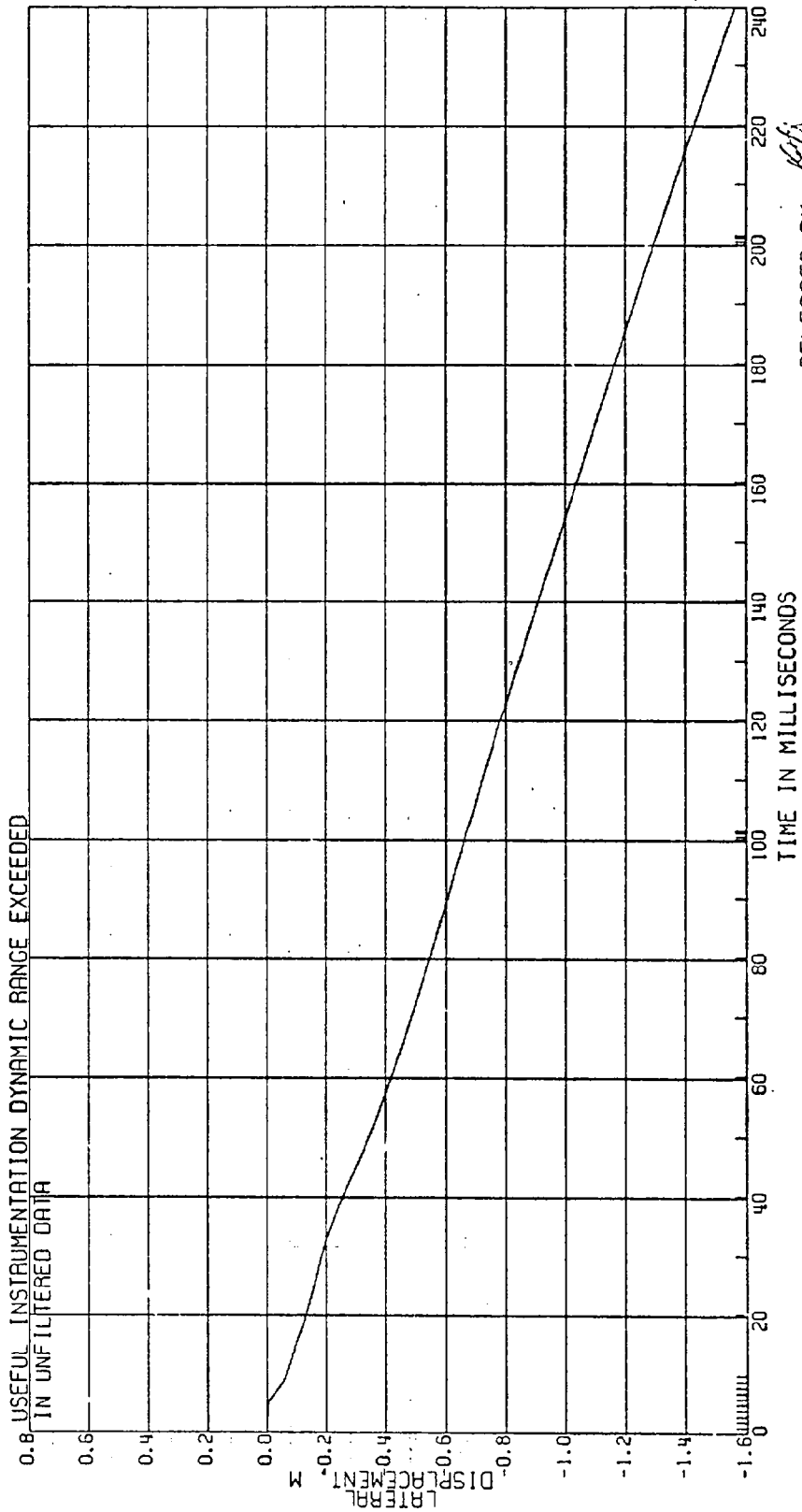
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3865-176

CPC-FISHER CC462 3JC77 STRUCK
A-D DATA SAE CLASS 180

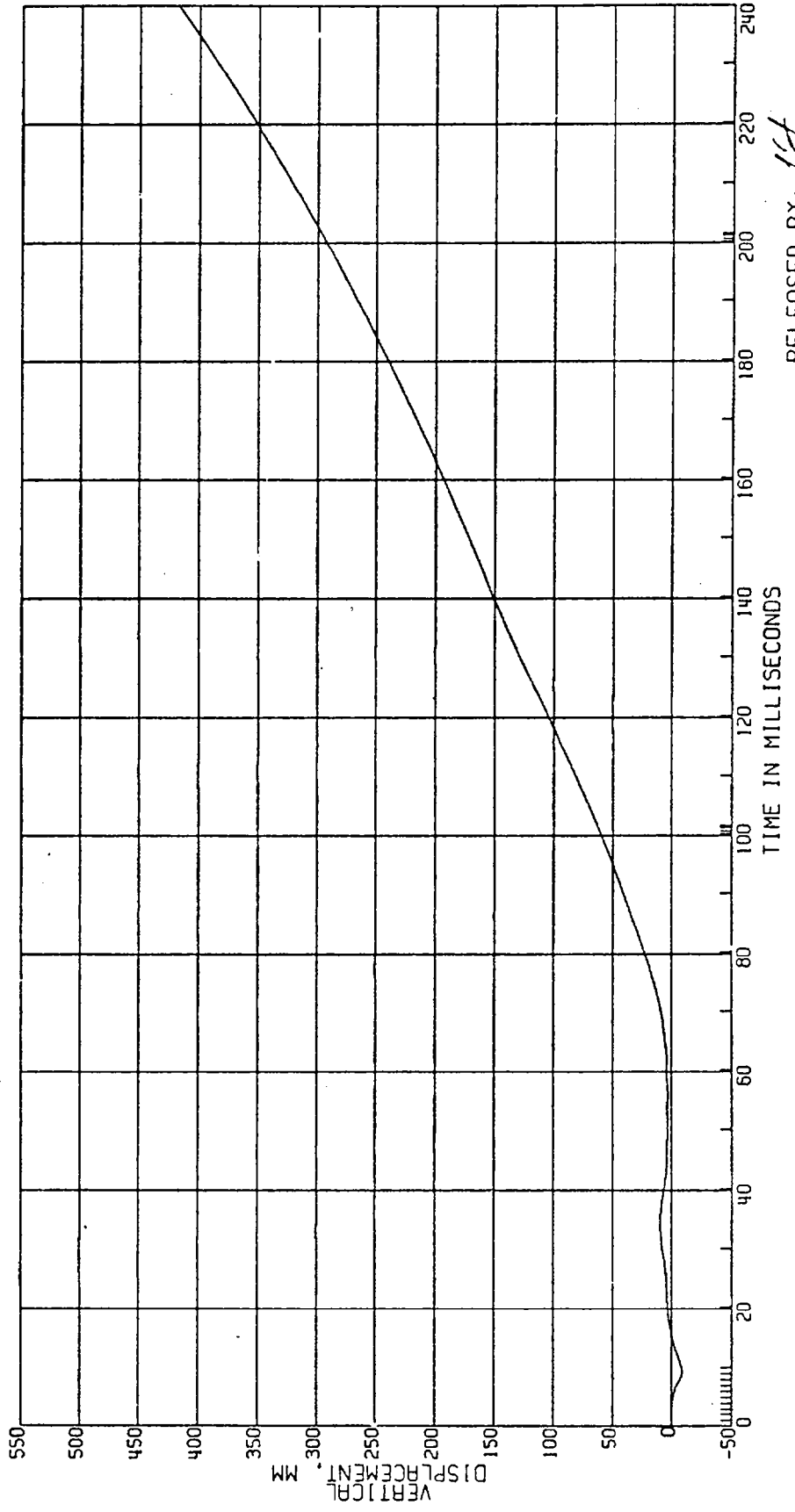
COMPUTED RT FRT DOOR (C) DISPLACEMENT
(2ND INTEGRAL ACCELERATION)

TEST DATE: 06-11-85



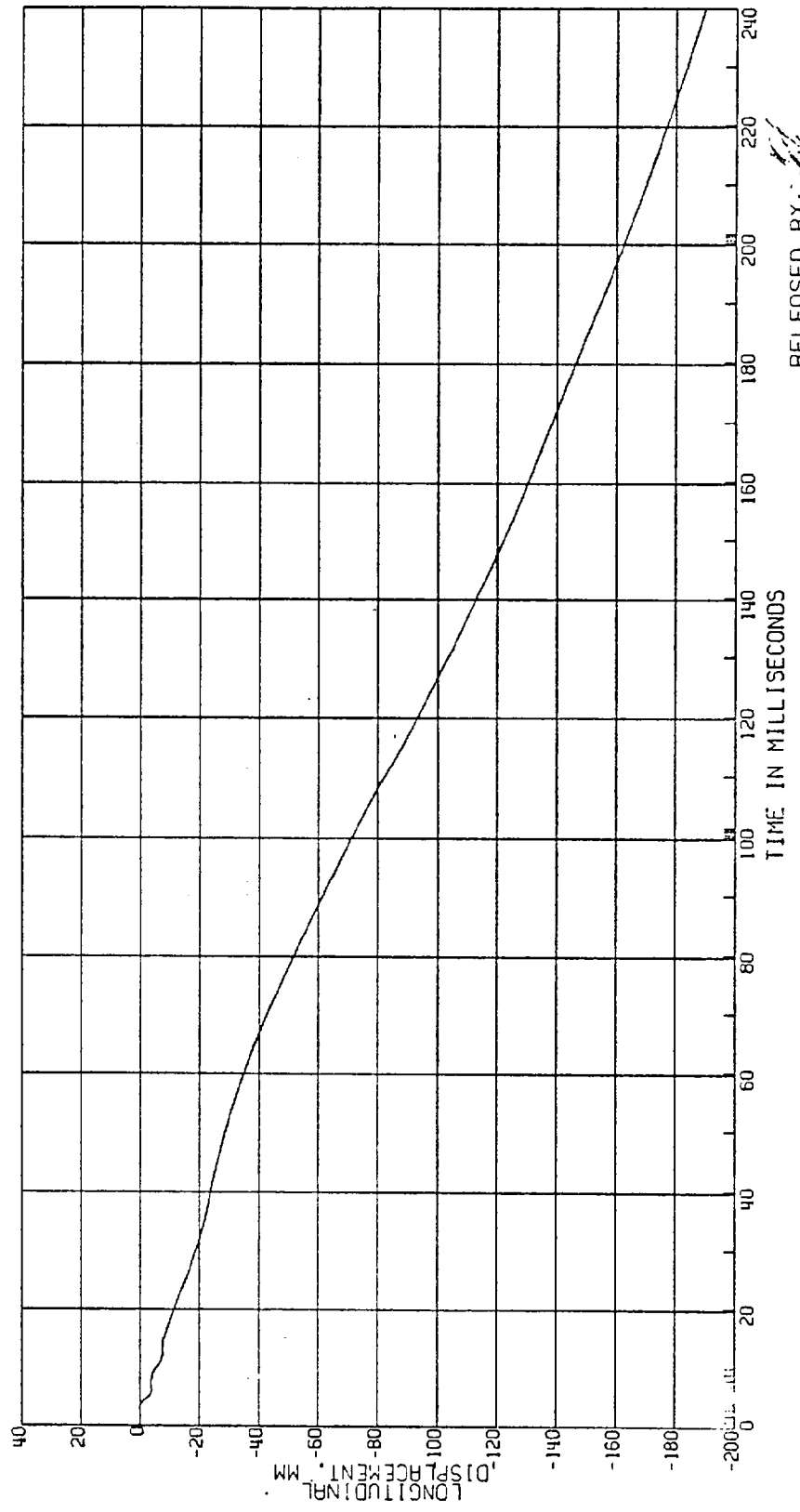
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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 33
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (C) DISPLACEMENT TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



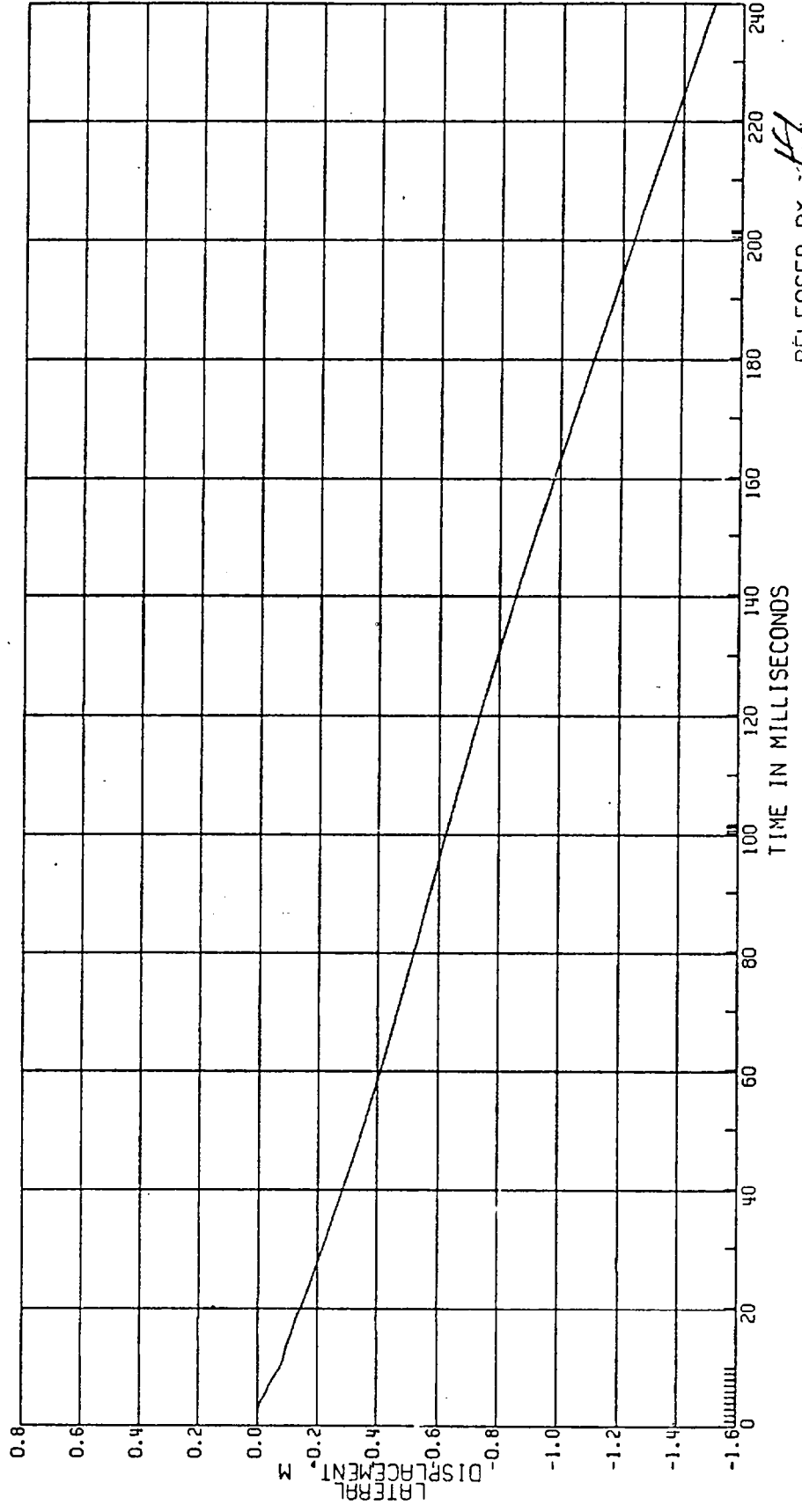
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ON 11/13/13 10:00 AM

CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 37
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 CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FRT DOOR (C') DISPLACEMENT TEST DATE:06-11-85
 A-D DATA SAE CLASS 180
 (2ND INTEGRAL ACCELERATION)



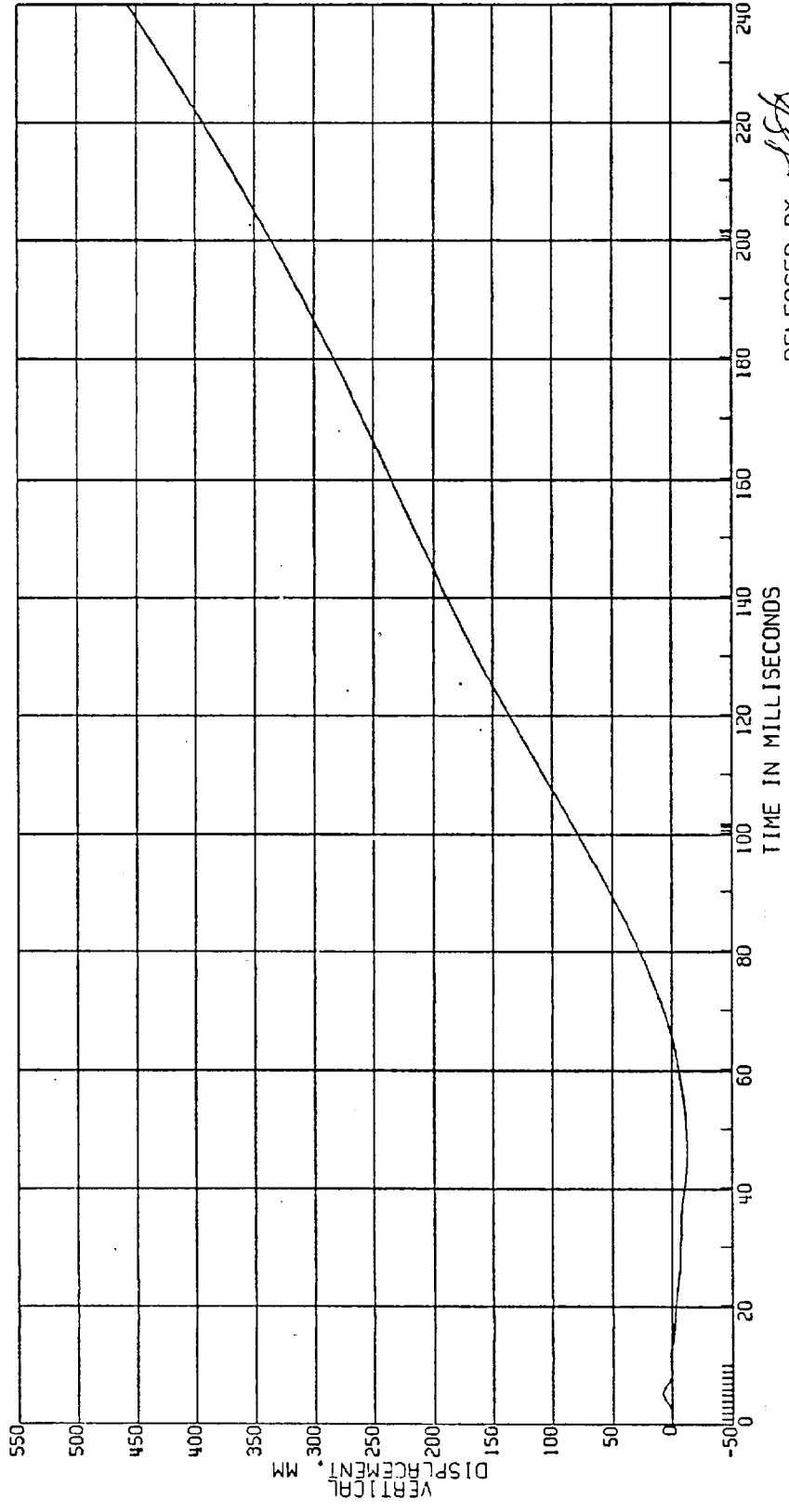
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 52 FACTORY 11 JUN 85 19:01

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 35
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED AT FAT DOOR (C') DISPLACEMENT TEST DATE: 06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



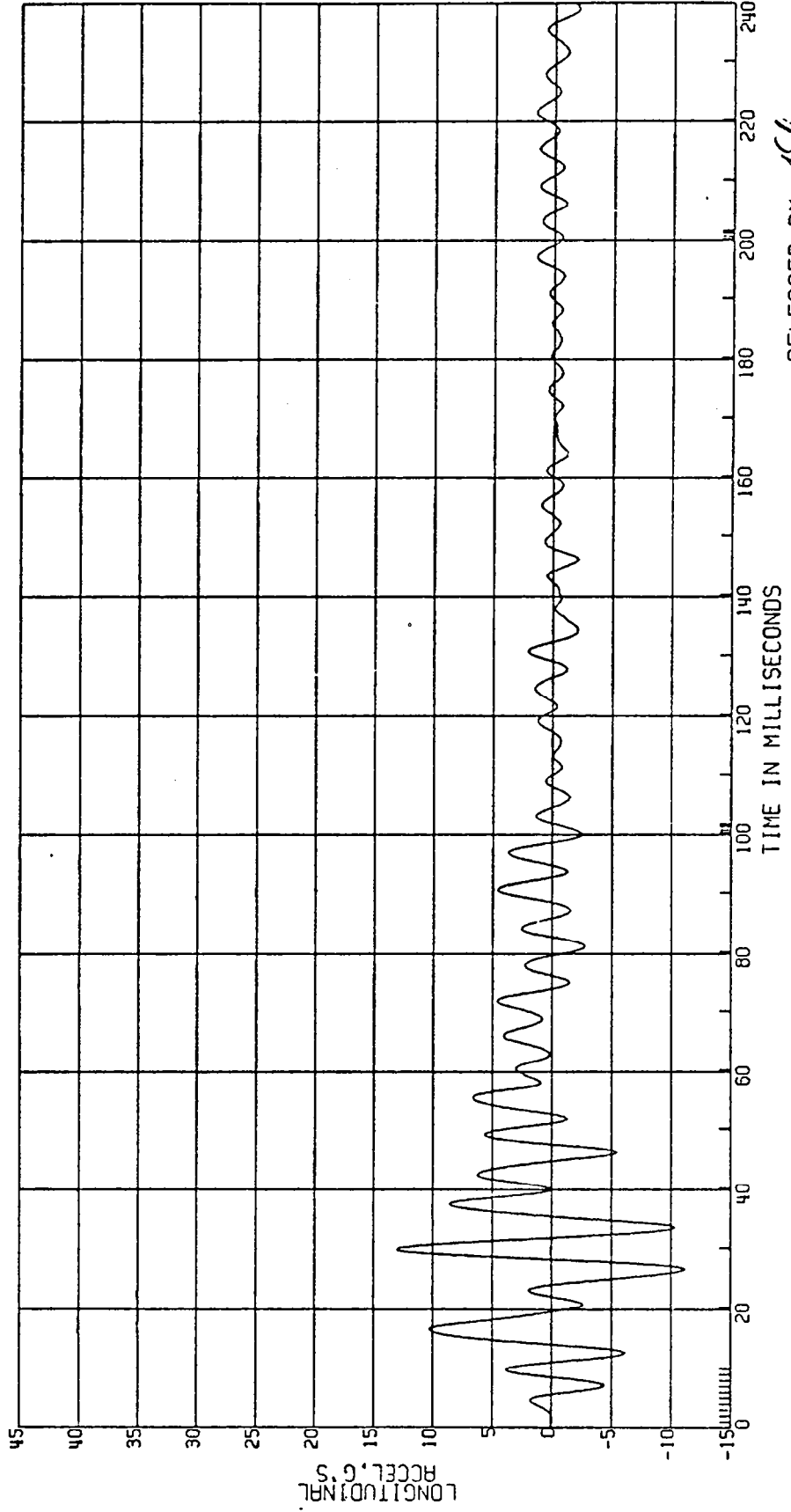
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55 PRINTED 11 JUN 85 19:01

CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 36
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED RT FAT DOOR (C.) DISPLACEMENT TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



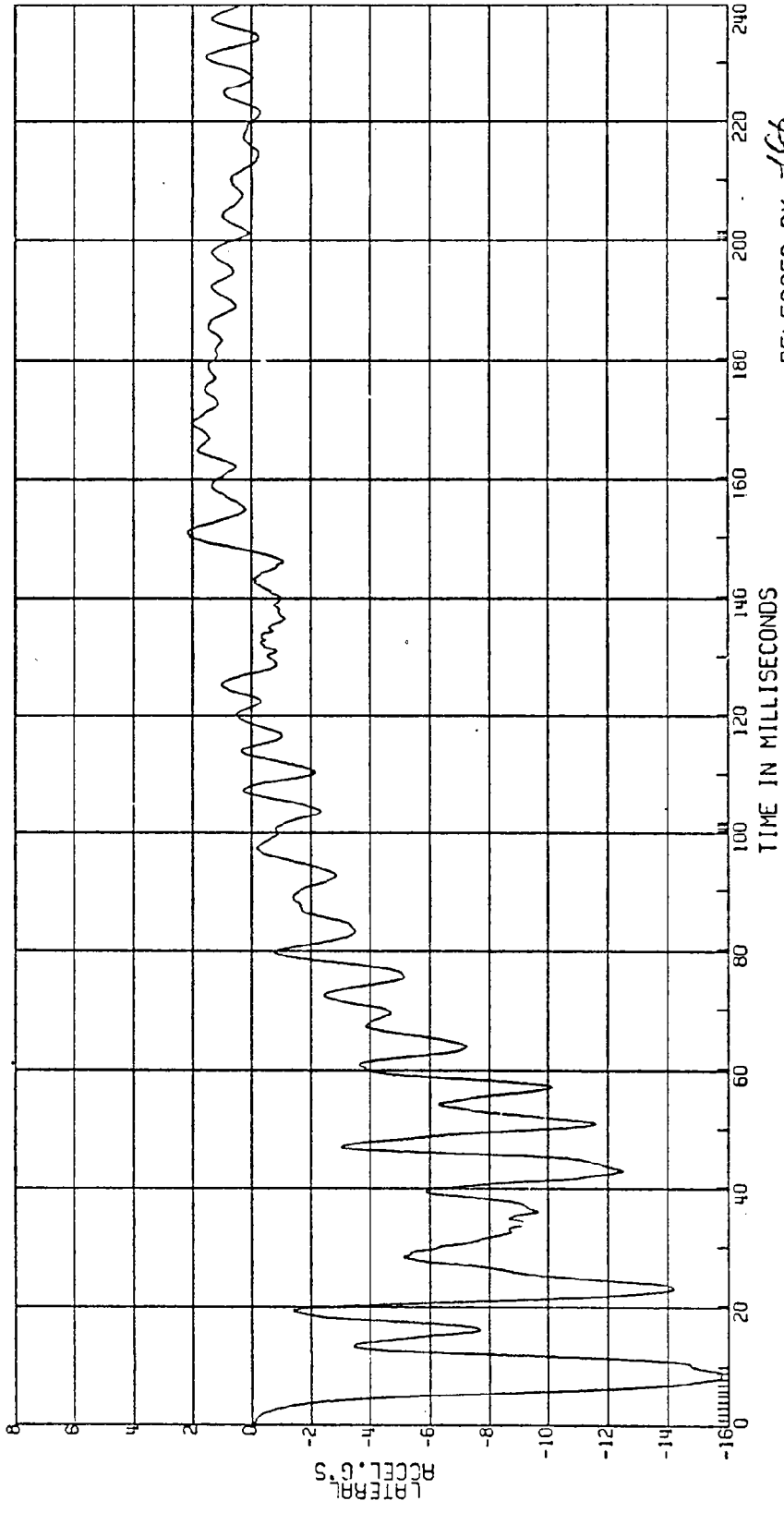
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58 PRINTED 11 JUN 85 19:02

CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 37
3865-176
CPC-FISHER CC462 3JC77 STRUCK DR-SIDE FLOOR PAN ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:06-11-85



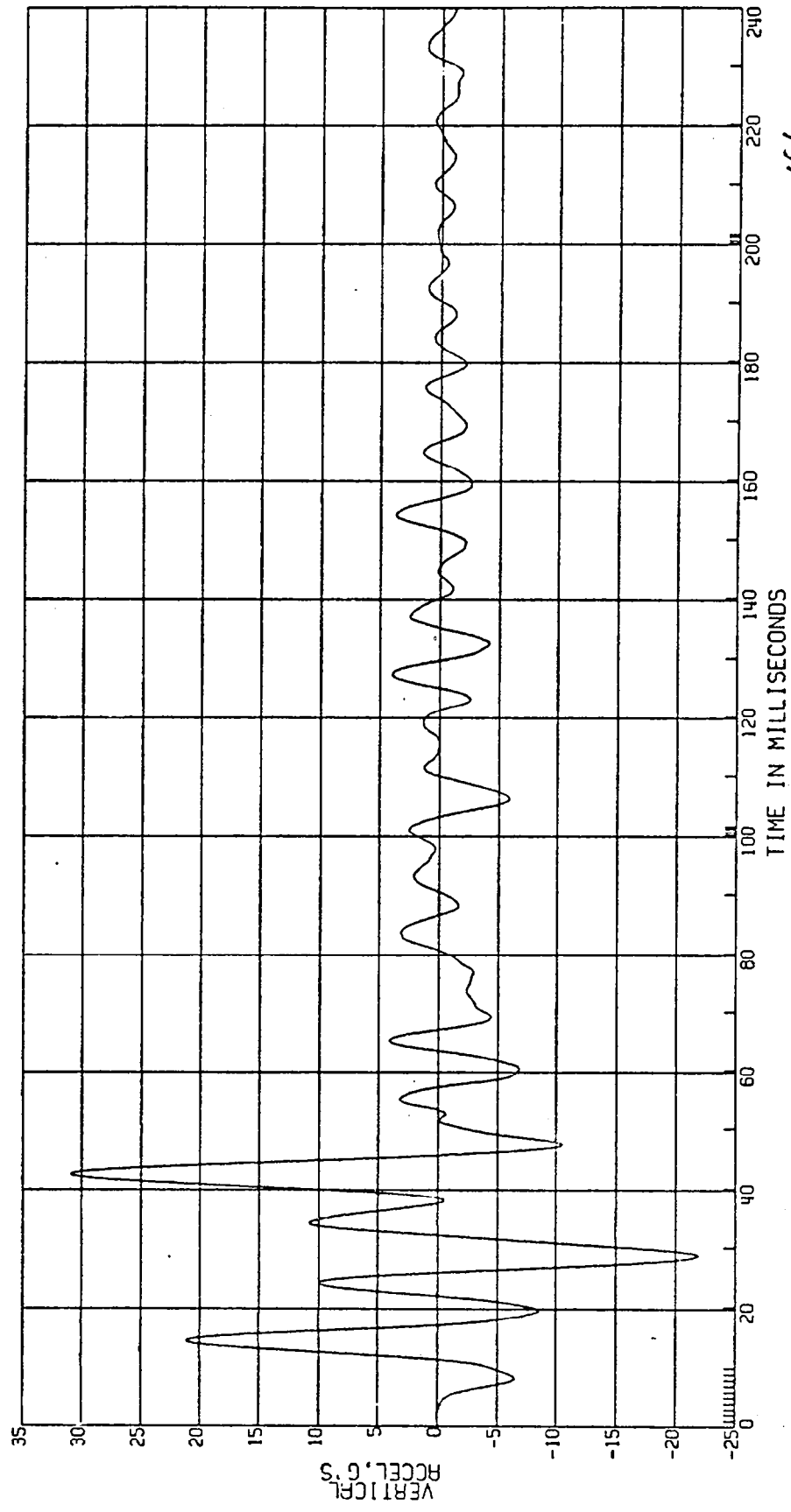
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62 PROCESSED 11 JAN 85 19:03.

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 38
3865-176
CPC-FISHER CC462 3JC77 STRUCK DR-SIDE FLOOR PAN ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:06-11-85



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68 PROCESSED 11 JUN 85 19:04

CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 39
3865-176
CPC-FISHER CC462 3JC77 STRUCK DR-SIDE FLOOR PAN ACCEL.
A-D DATA SAE CLASS 60 TEST DATE: 06-11-85

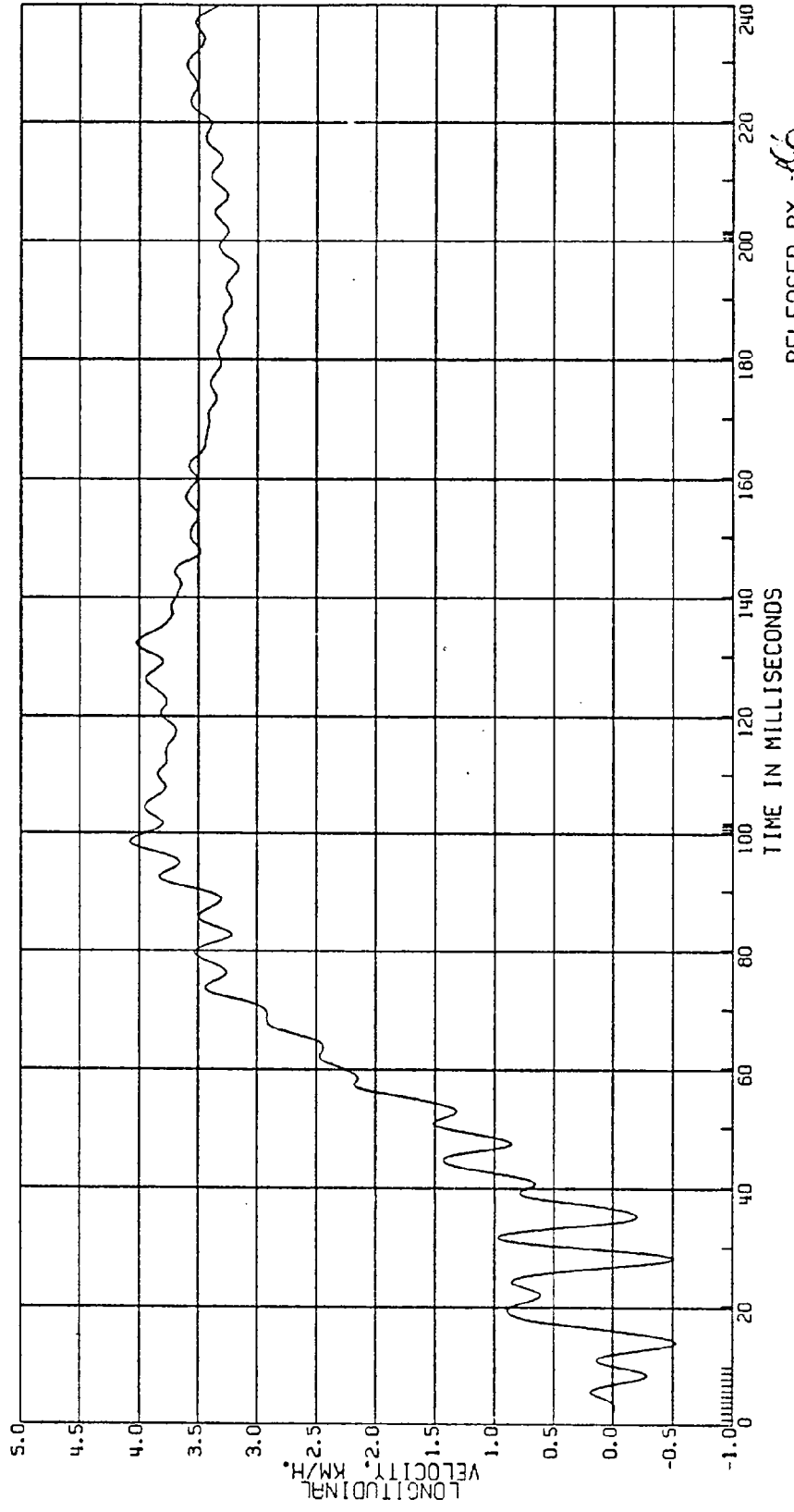


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C6251A RIGHT SIDE IMPACT
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CPC-FISHER CC462 3JC77 STRUCK
A-D DATA SAE CLASS 180

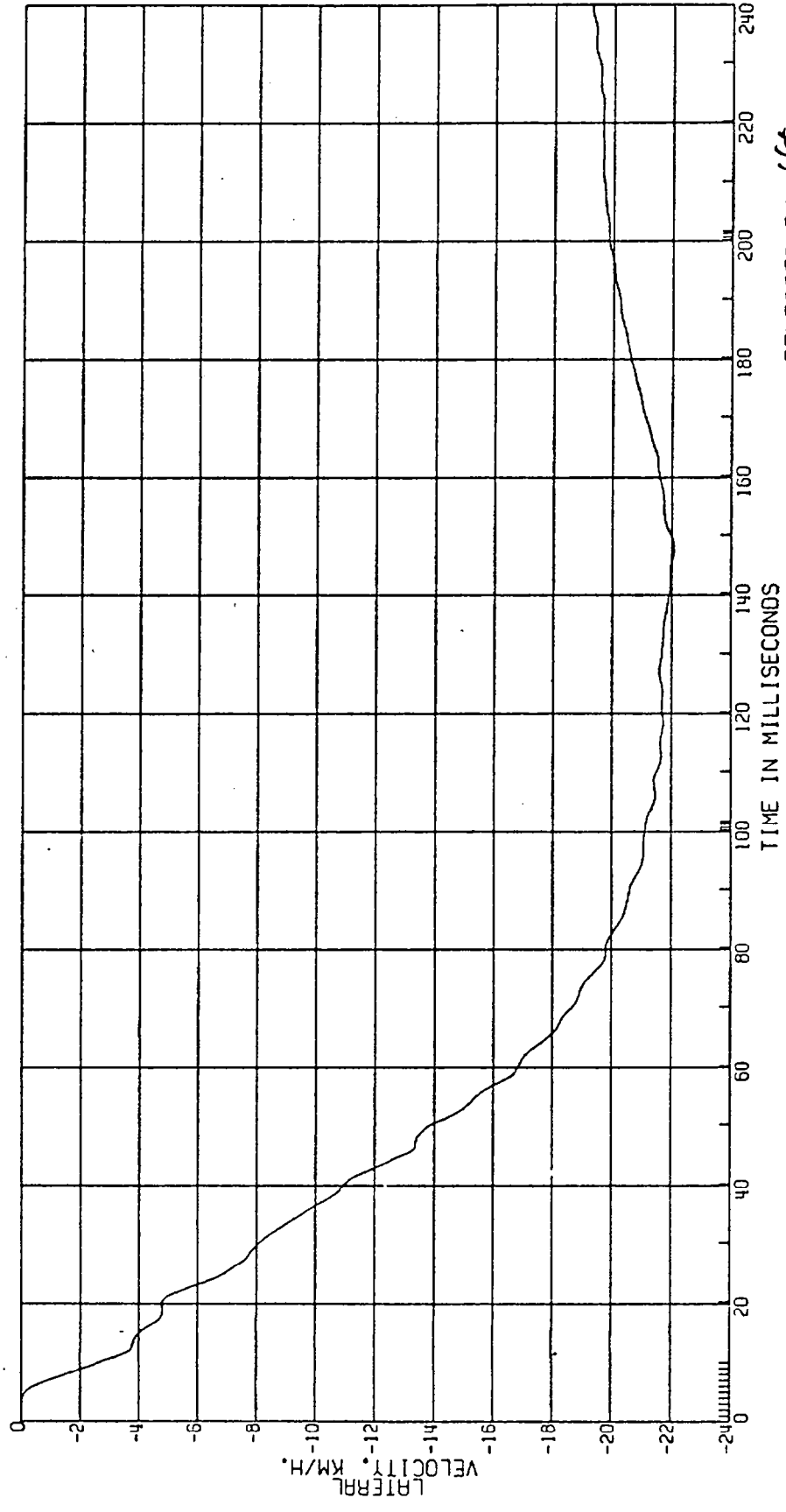
MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 42
COMPUTED FLOOR PAN VELOCITY
TEST DATE:06-11-85

(1ST INTEGRAL DRS-SIDE ACCELERATION)



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63 PROCESSED 11 JUN 85 19:03

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 44
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED FLOOR PAN VELOCITY
A-D DATA SAE CLASS 180 (1ST INTEGRAL DRS-SIDE ACCELERATION) TEST DATE:06-11-85



RELEASED BY: *MA*
69 PROCESSED 11 JUN 85 19:04

CG251A RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE

41.2KM/H FIGURE 42

3865-176

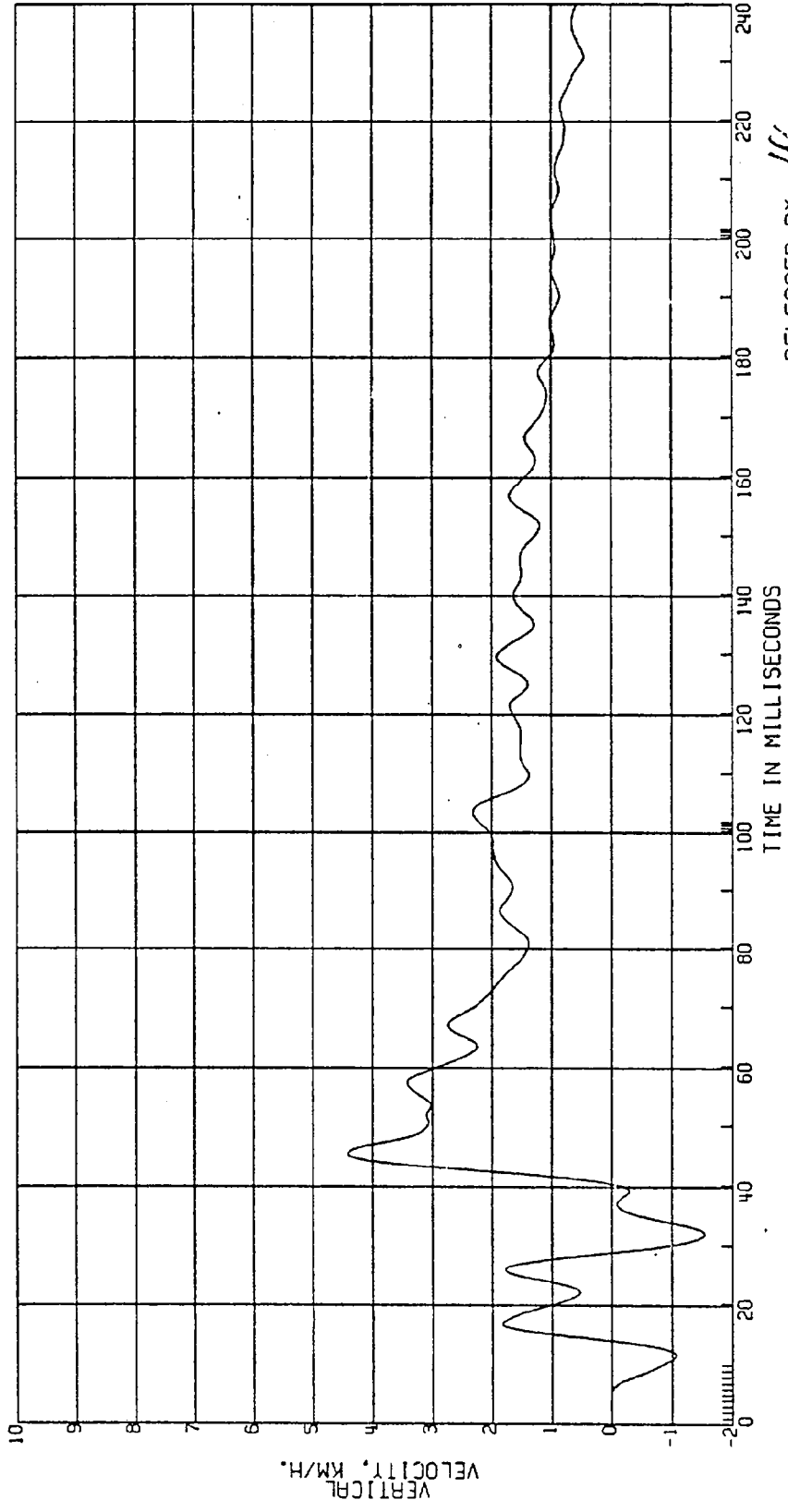
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COMPUTED FLOOR PAN VELOCITY

TEST DATE:06-11-85

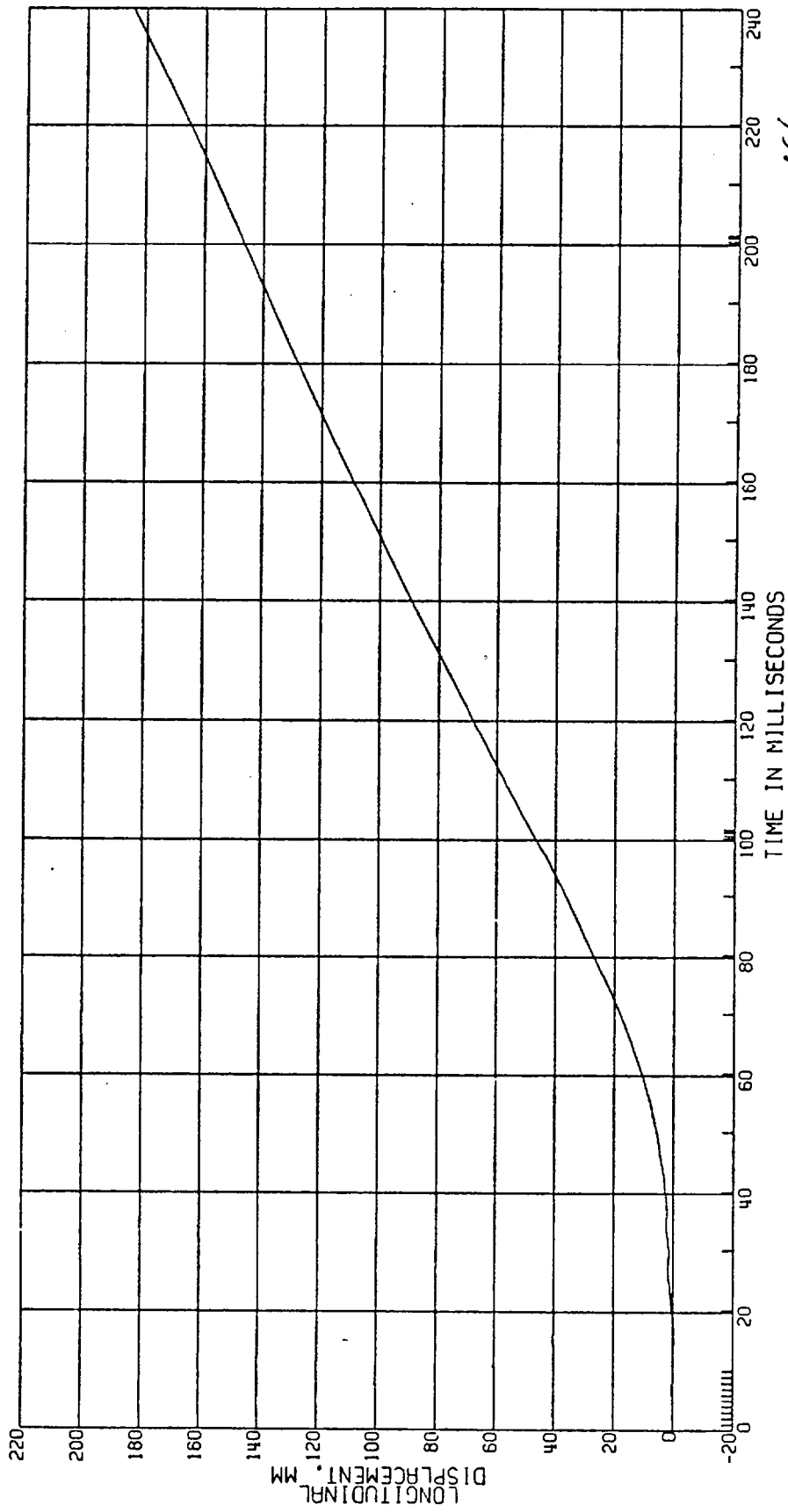
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(1ST INTEGRAL DRS-SIDE ACCELERATION)



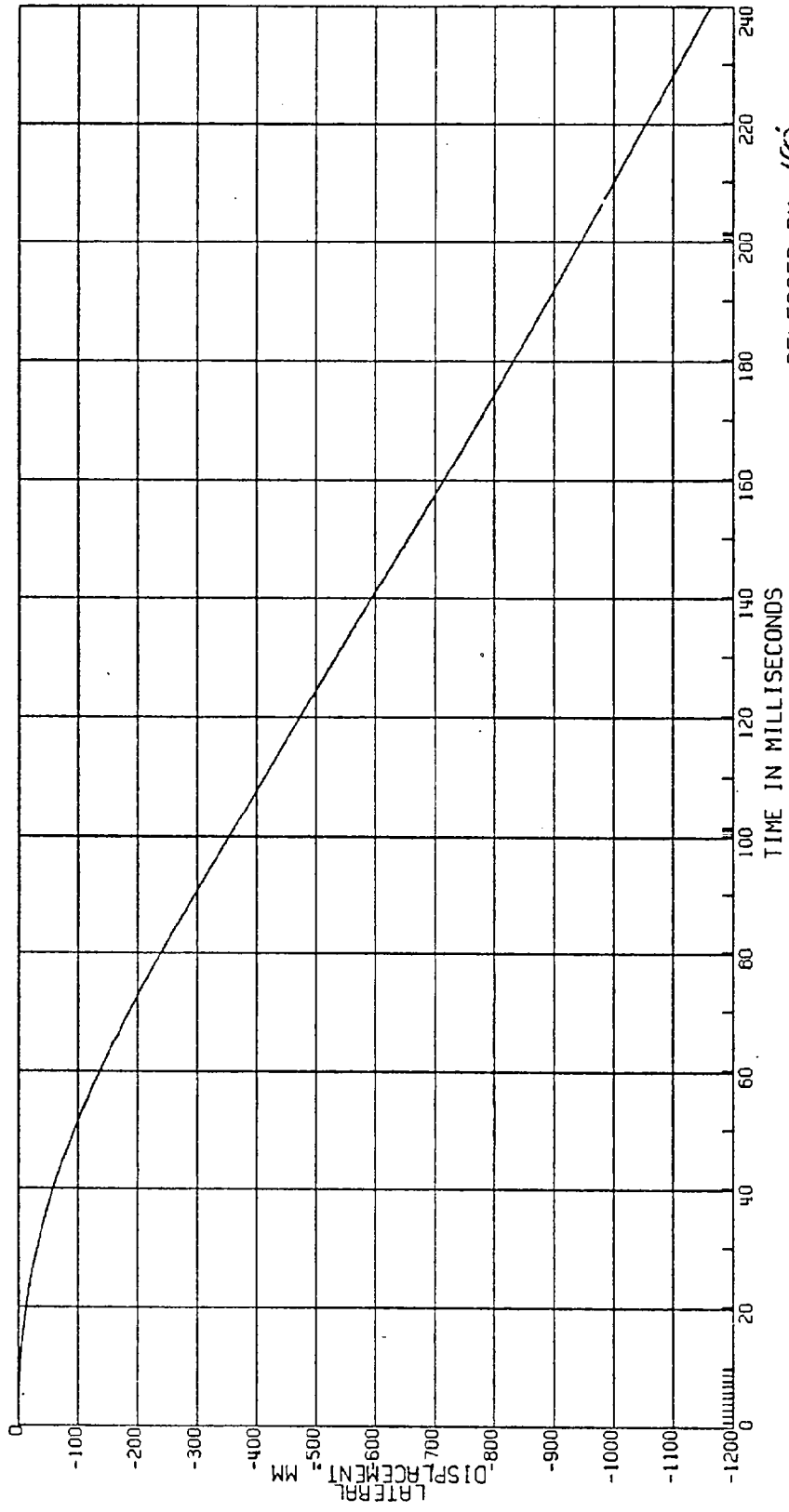
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72 PROCESSED 11 JUN 85 19:04

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 43
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED FLOOR PAN DISPLACEMENT
A-D DATA SAE CLASS 180 (2ND INTEGRAL DRS-SIDE ACCELERATION) TEST DATE: 06-11-85



RELEASED BY: *165*
64 PROCESSED 11 JUN 85 19:03

U6251H HIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 14
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED FLOOR PAN DISPLACEMENT TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL DRS-SIDE ACCELERATION)



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70 PROCESSED 11 JUN 85 19:04

3865-176

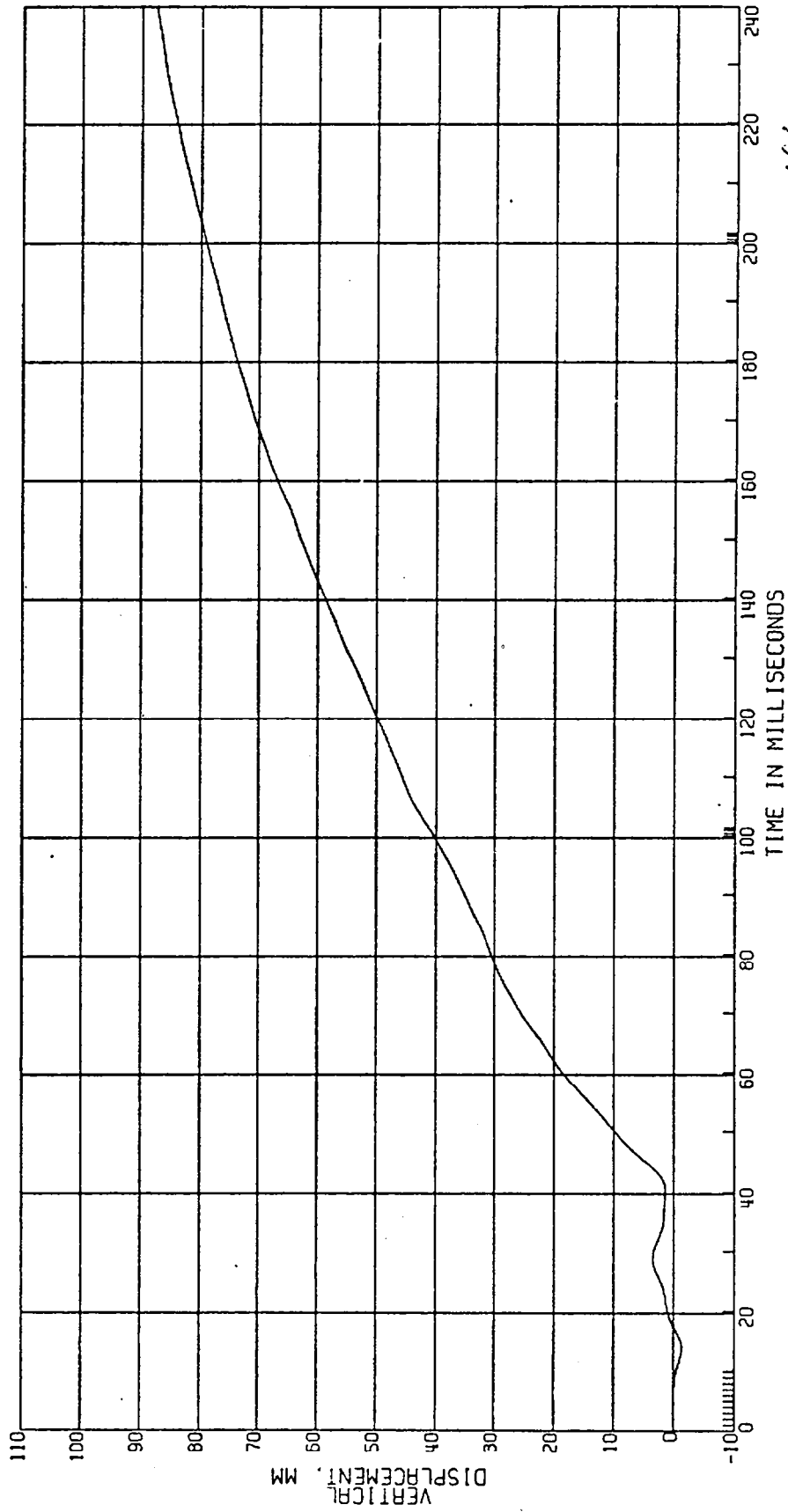
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A-D DATA SAE CLASS 180

COMPUTED FLOOR PAN DISPLACEMENT

TEST DATE:06-11-85

(2ND INTEGRAL DRS-SIDE ACCELERATION)

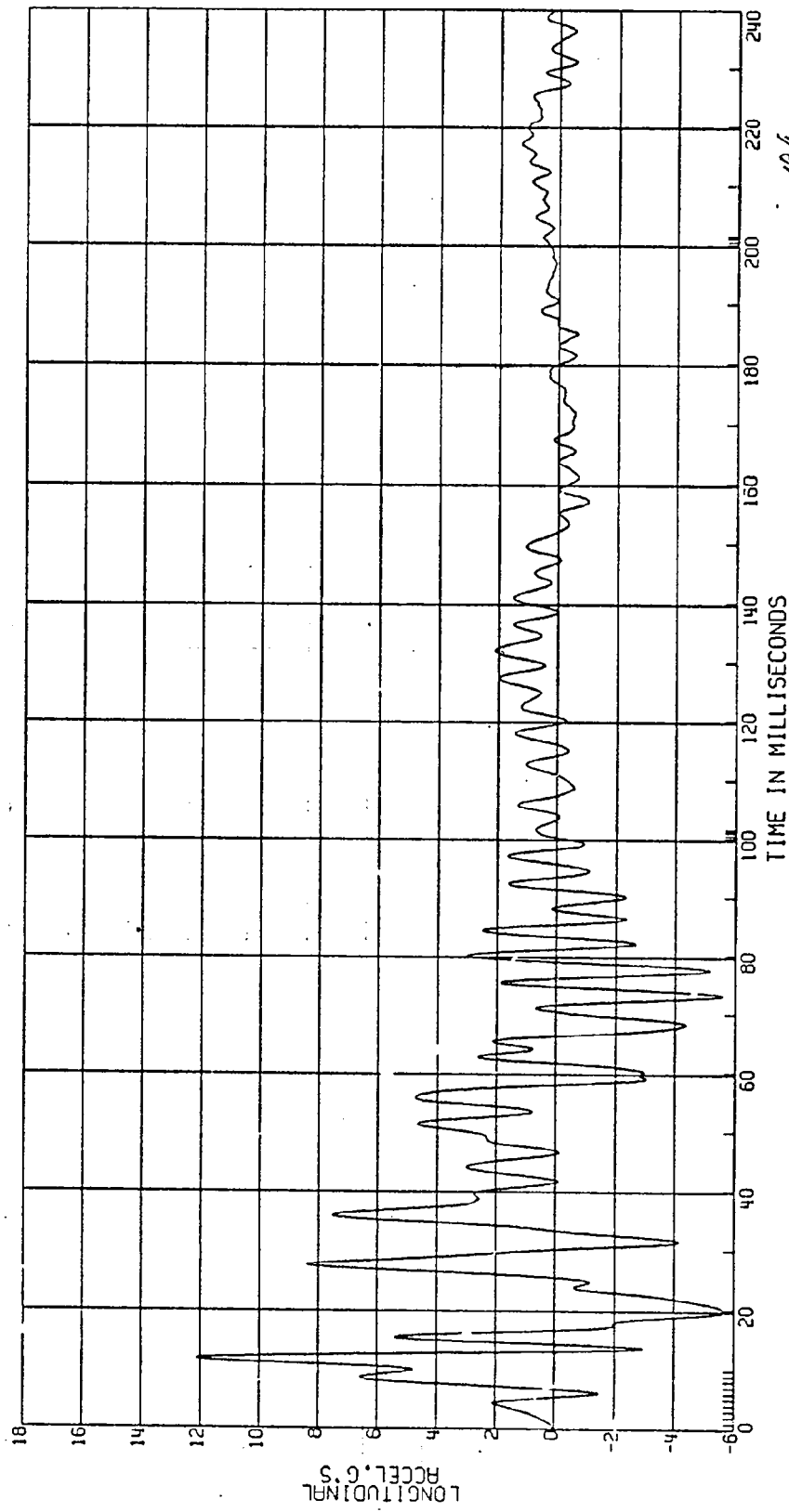


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3865-176
CPC-FISHER CC462 3JC77 STRUCK
A-D DATA SAE CLASS 60

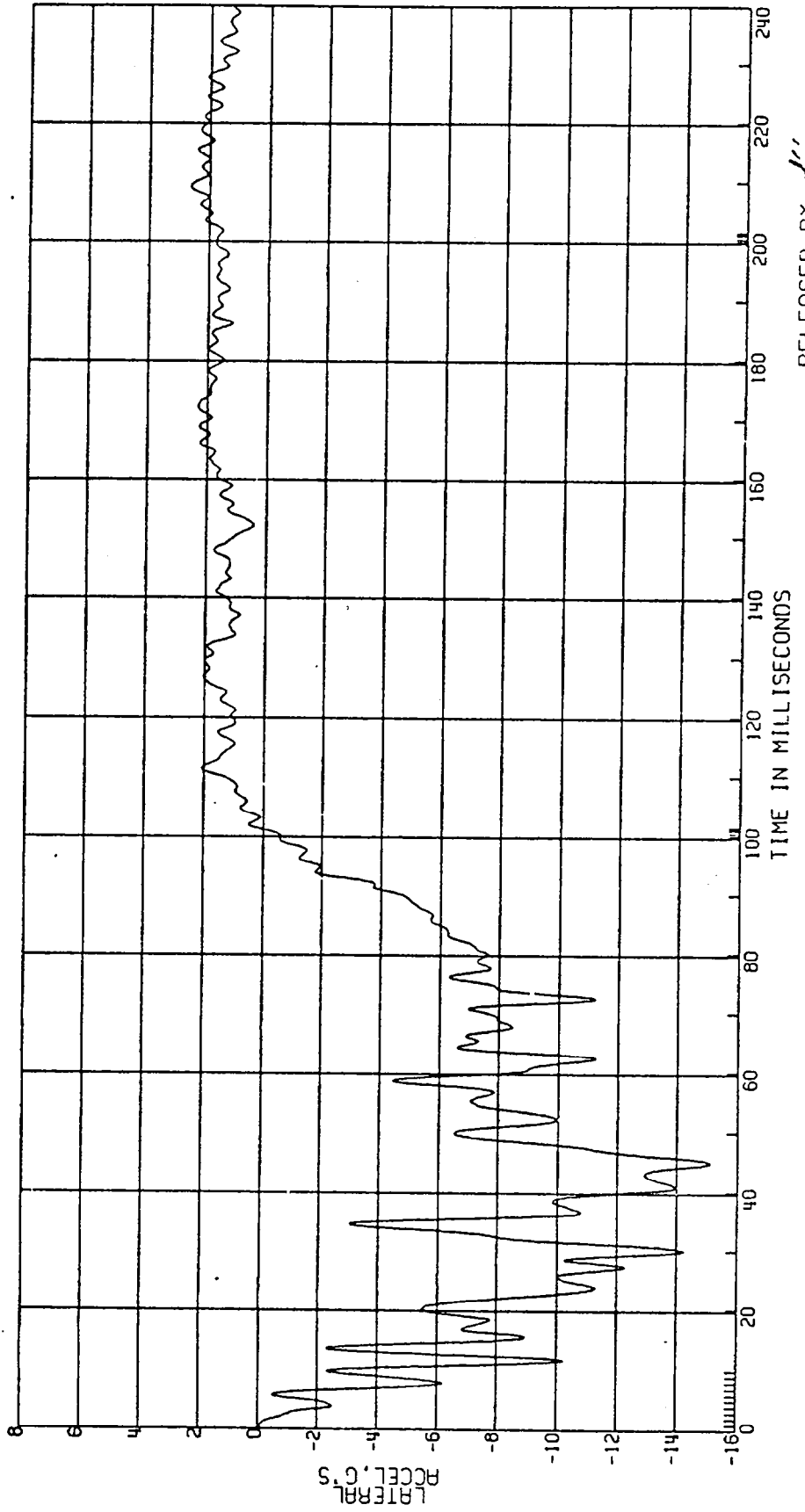
PASS-SIDE TRUNK ACCEL.

TEST DATE: 06-11-85



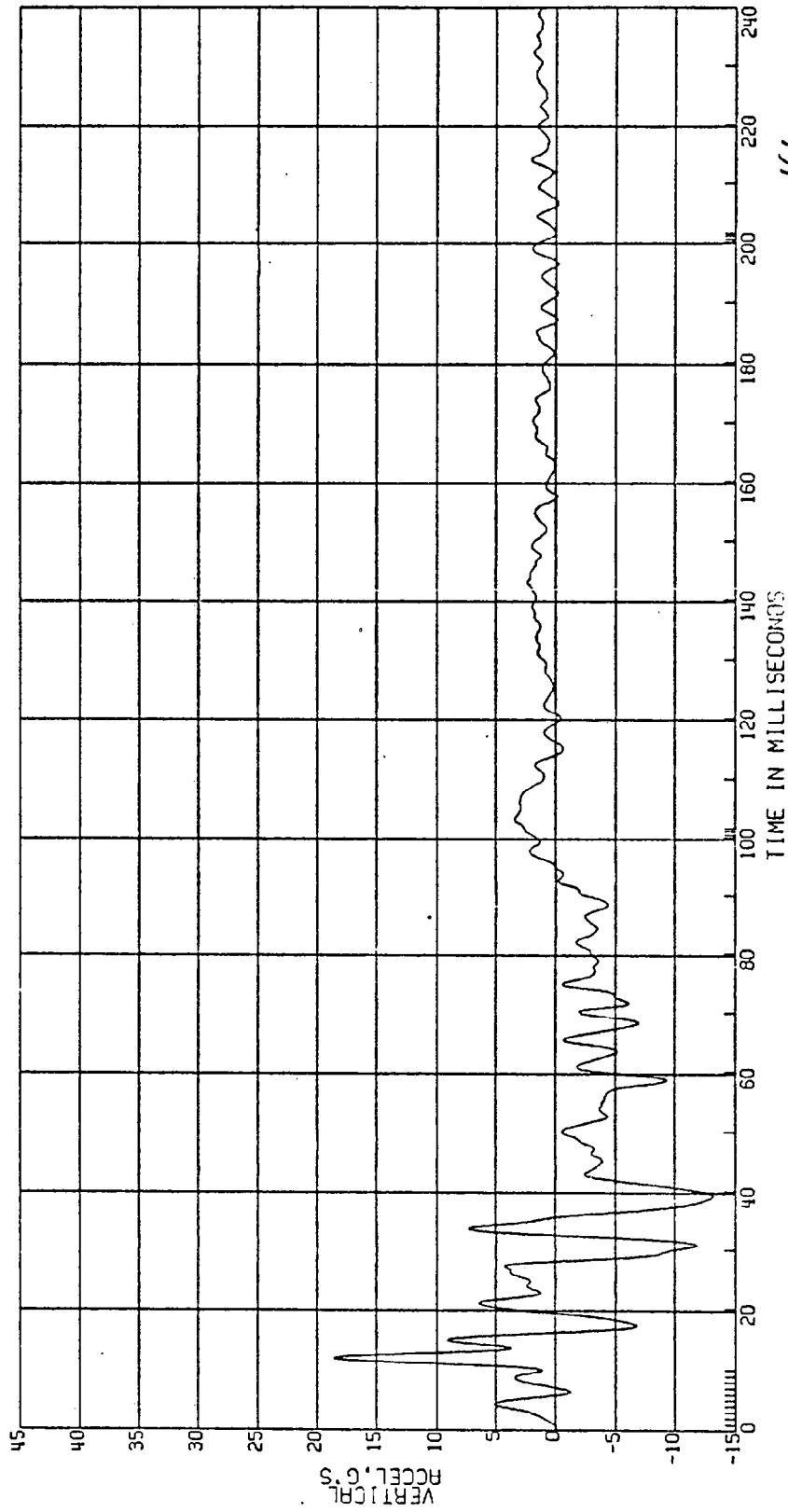
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74 PROCESSED 11 JUN 85 19:04

CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 47
3865-176
CPC-FISHER CC462 3JC77 STRUCK PASS-SIDE TRUNK ACCEL.
A-D DATA SAE CLASS 60 TEST DATE:06-11-85



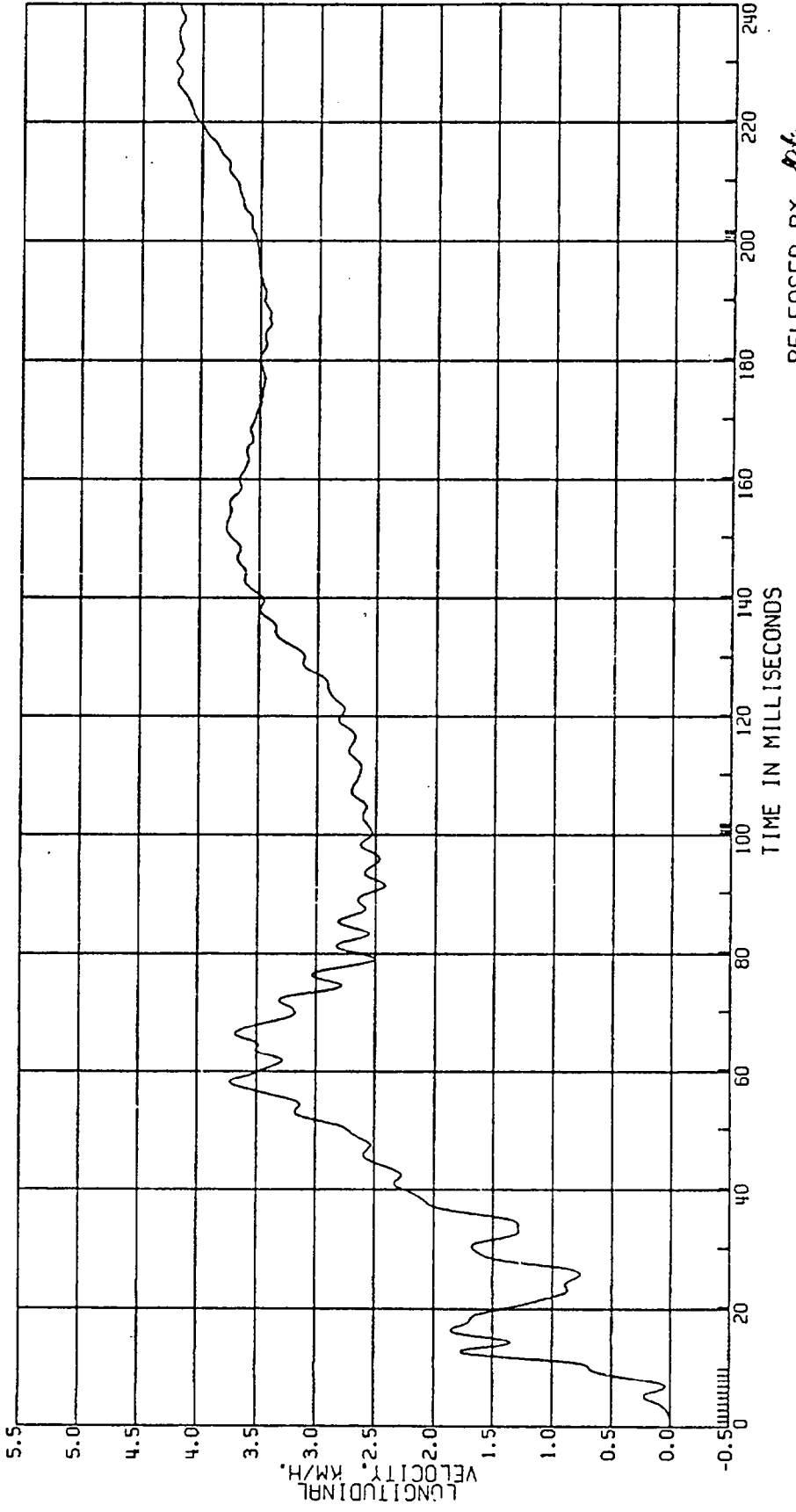
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C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 48
3865-176
CPC-FISHER CC462 3JC77 STRUCK PASS-SIDE TRUNK ACCEL.
A-D DATA SAE CLASS 60 TEST DATE: 06-11-85

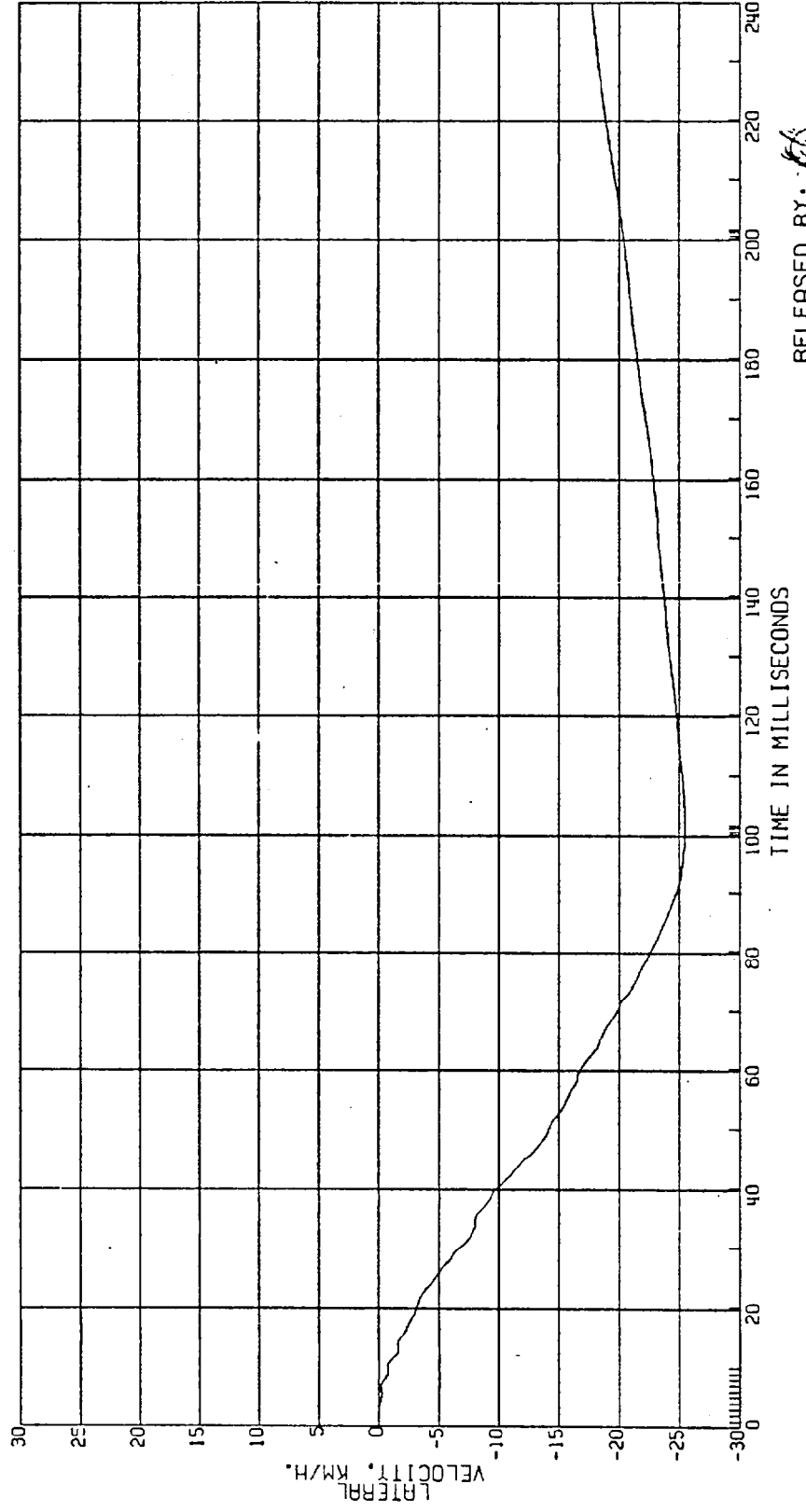


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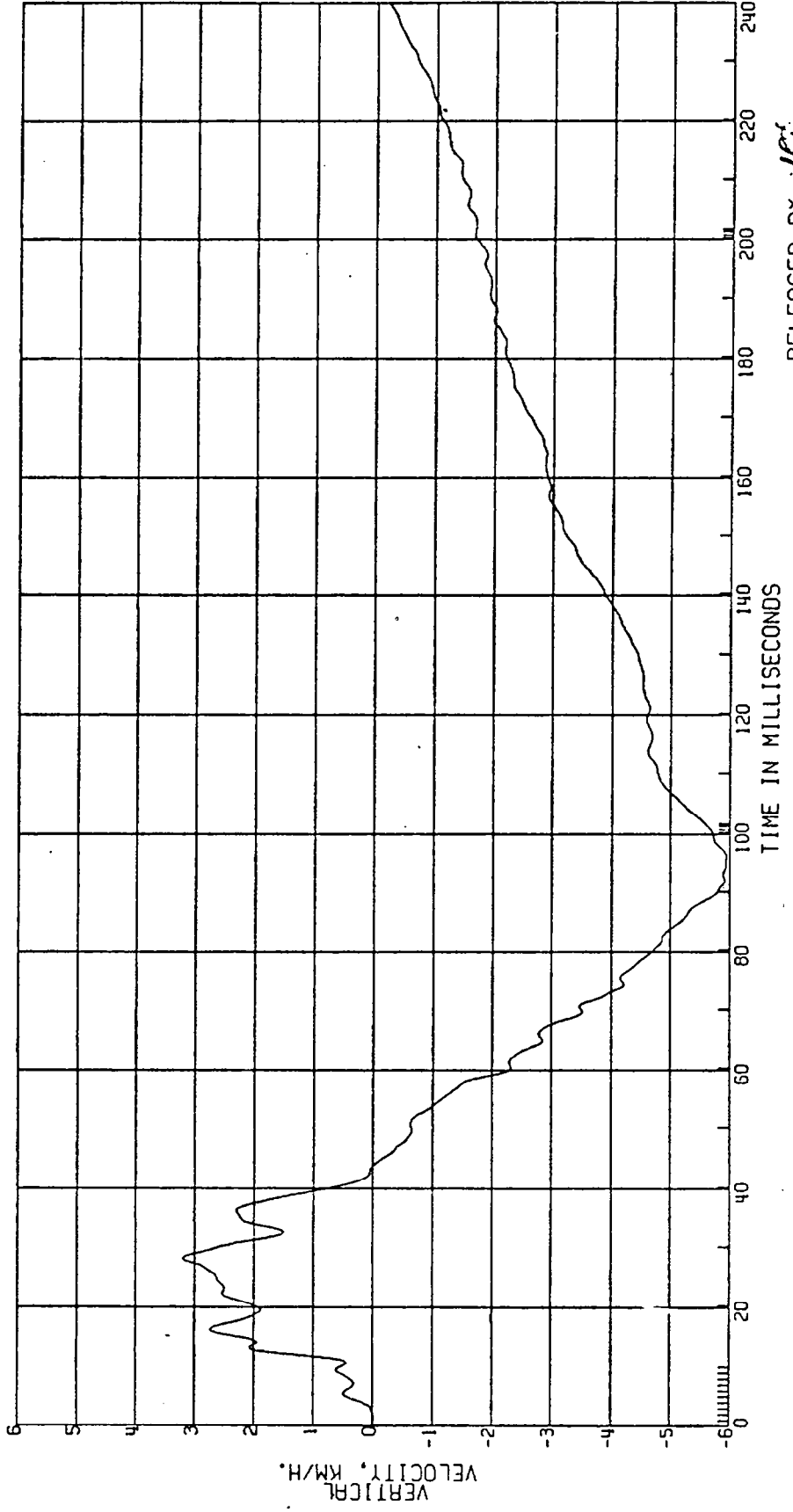
C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 49
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED TRUNK VELOCITY TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (1ST INTEGRAL PASS-SIDE ACCELERATION)



C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 5D
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED TRUNK VELOCITY TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (1ST INTEGRAL PASS-SIDE ACCELERATION)



C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 5A
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED TRUNK VELOCITY TEST DATE:06-11-85
A-D DATA SRE CLASS 180 (1ST INTEGRAL PASS-SIDE ACCELERATION)



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81 PROCESSED 11 JUN 85 19:05

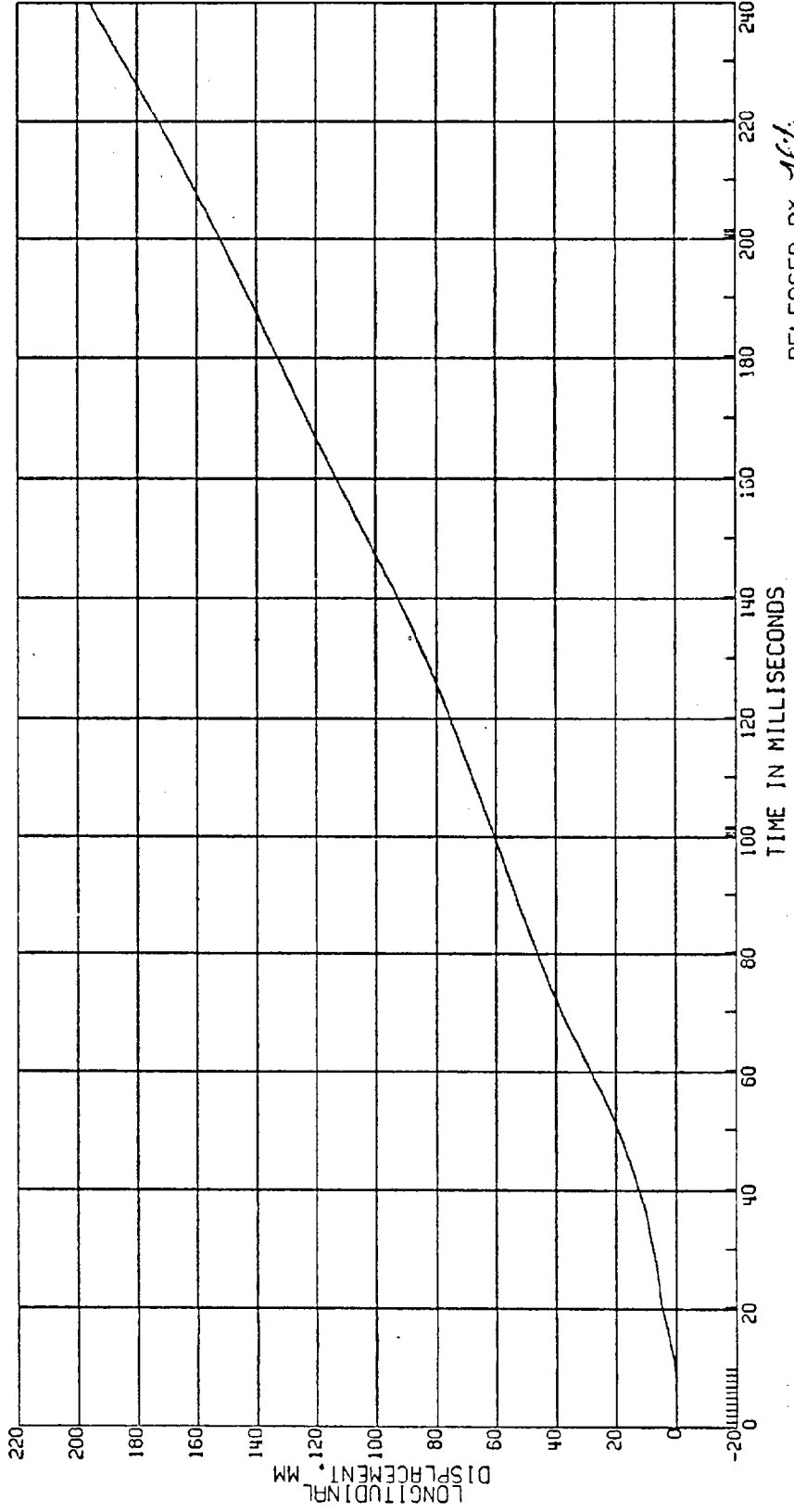
CG251A RIGHT SIDE IMPACT
3865-176
CPC-FISHER CC462 3JC77 STRUCK
A-O DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 2a

COMPUTED TRUNK DISPLACEMENT

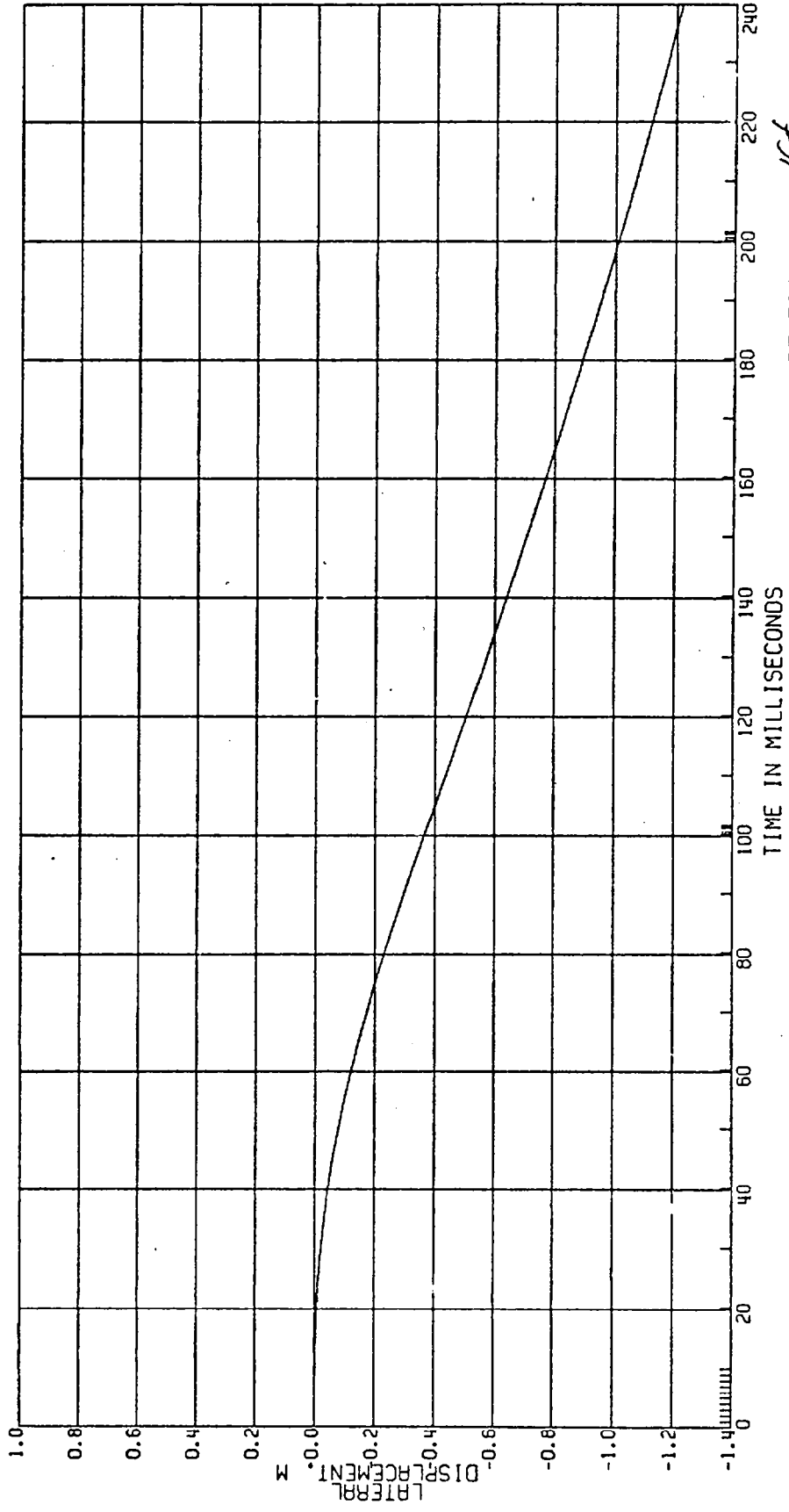
TEST DATE:06-11-85

(2ND INTEGRAL PASS-SIDE ACCELERATION)



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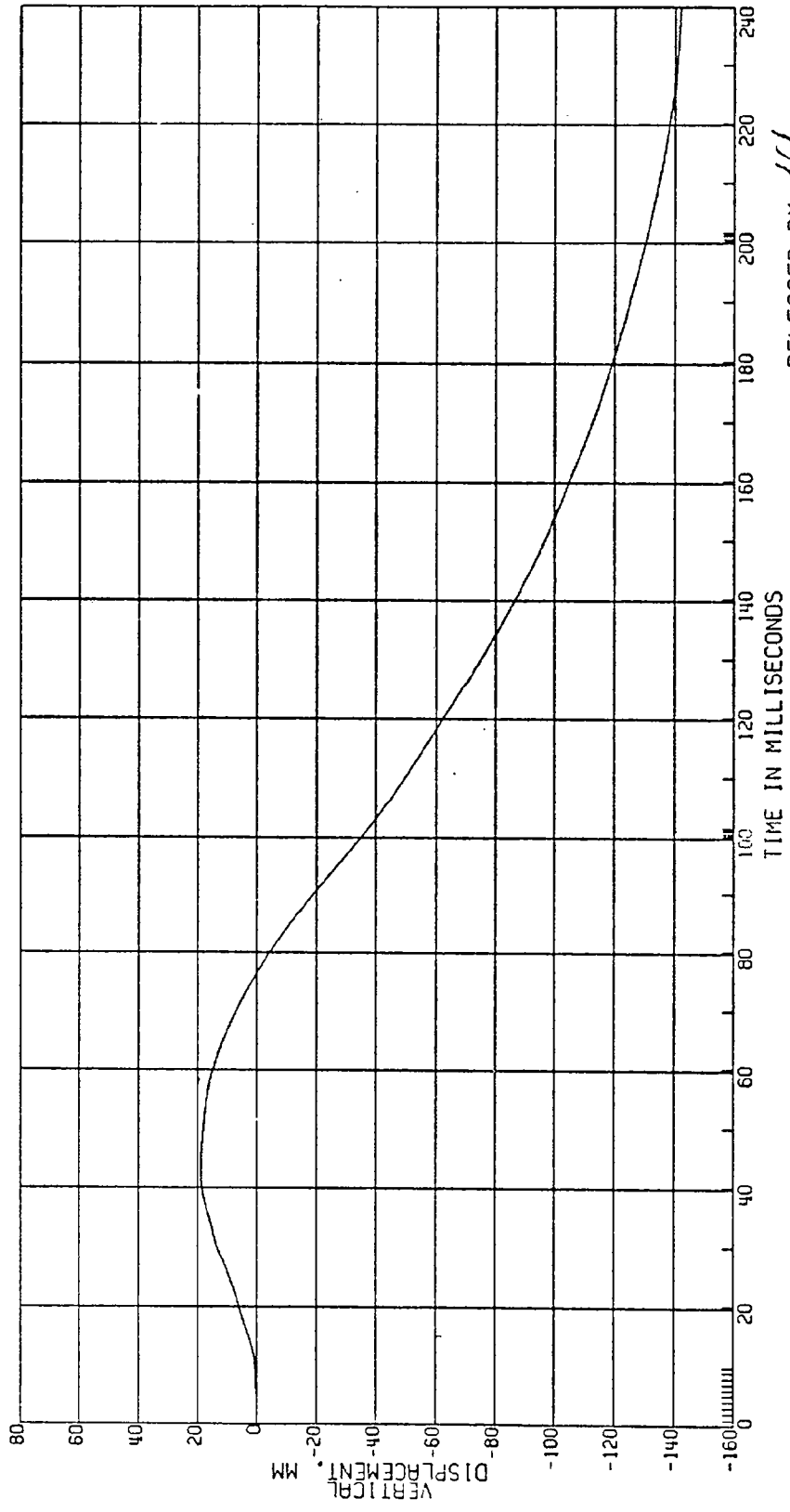
CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 53
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED TRUNK DISPLACEMENT TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION)



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79 PROCESSED 11 JUN 85 19:05

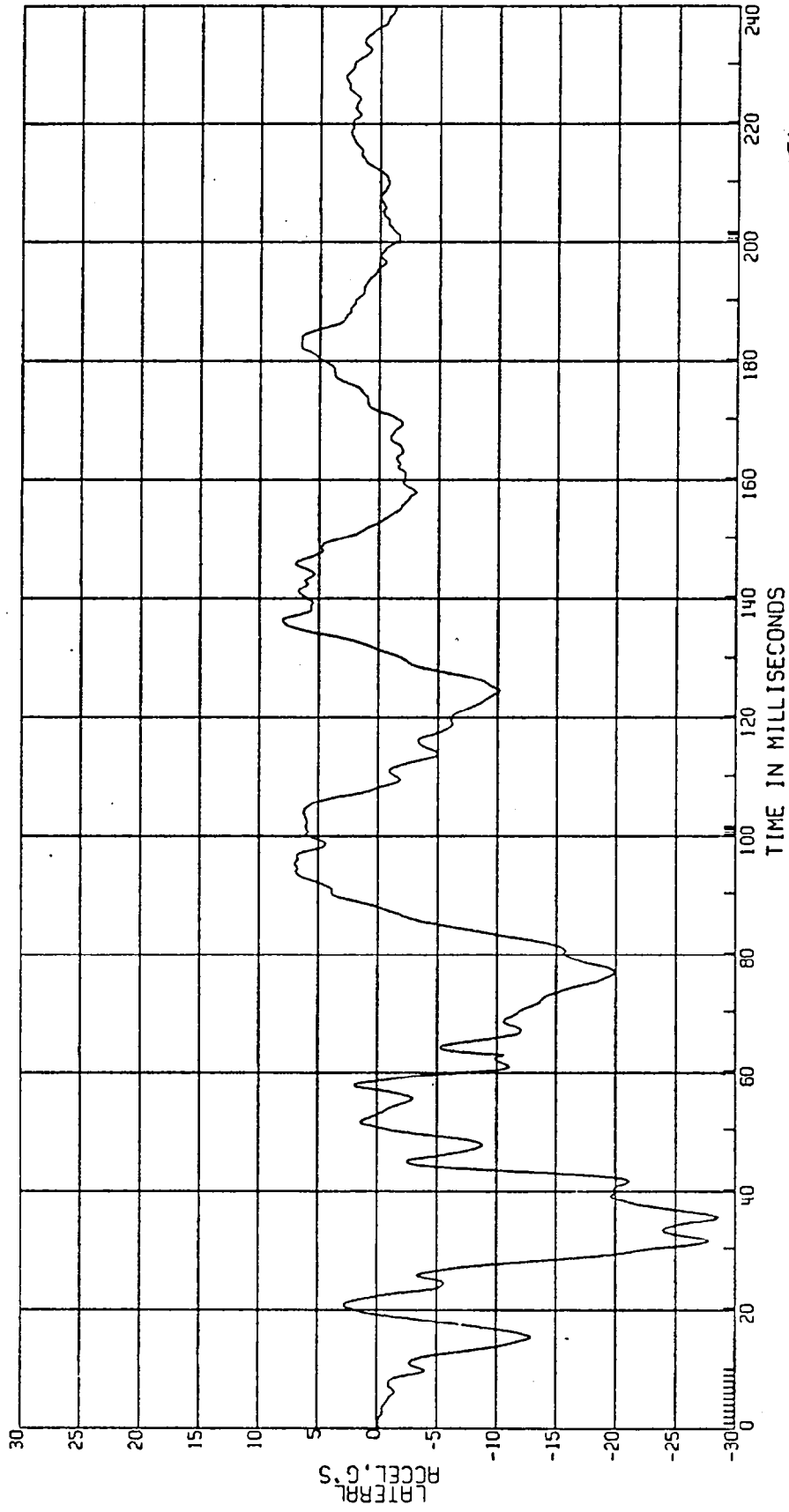
C6251A RIGHT SIDE IMPACT
3865-176
CPC-FISHER CC462 3JC77 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 54
COMPUTED TRUNK DISPLACEMENT
(2ND INTEGRAL PASS-SIDE ACCELERATION)
TEST DATE:06-11-85



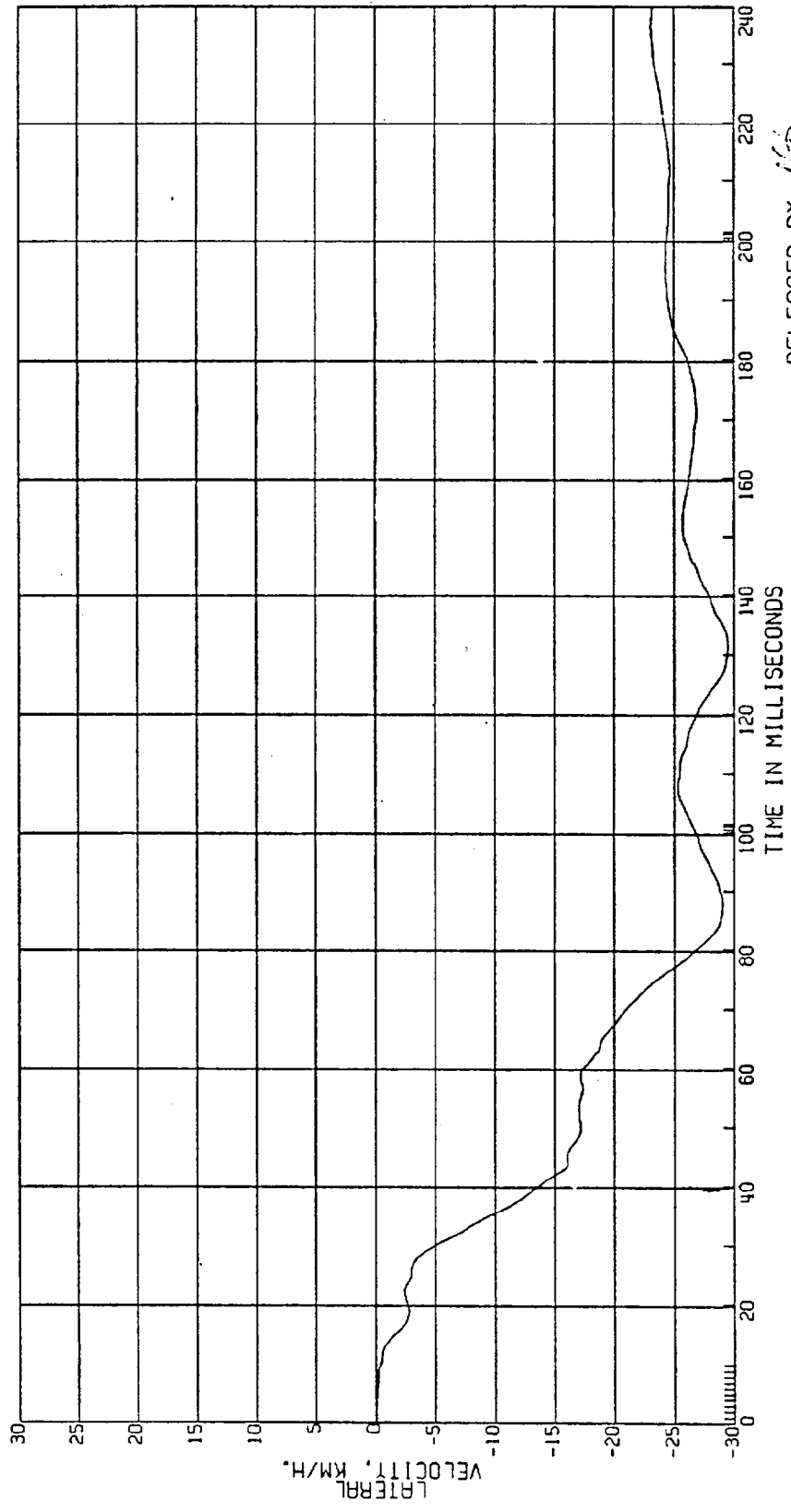
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82 PROCESSED 11 JUN 85 19:05

CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 55
3865-176
CPC-FISHER CC462 3JC77 STRUCK LT FRT DOOR (A') ACCEL.
A-D DATA SAE CLASS 60 TEST DATE: 06-11-85



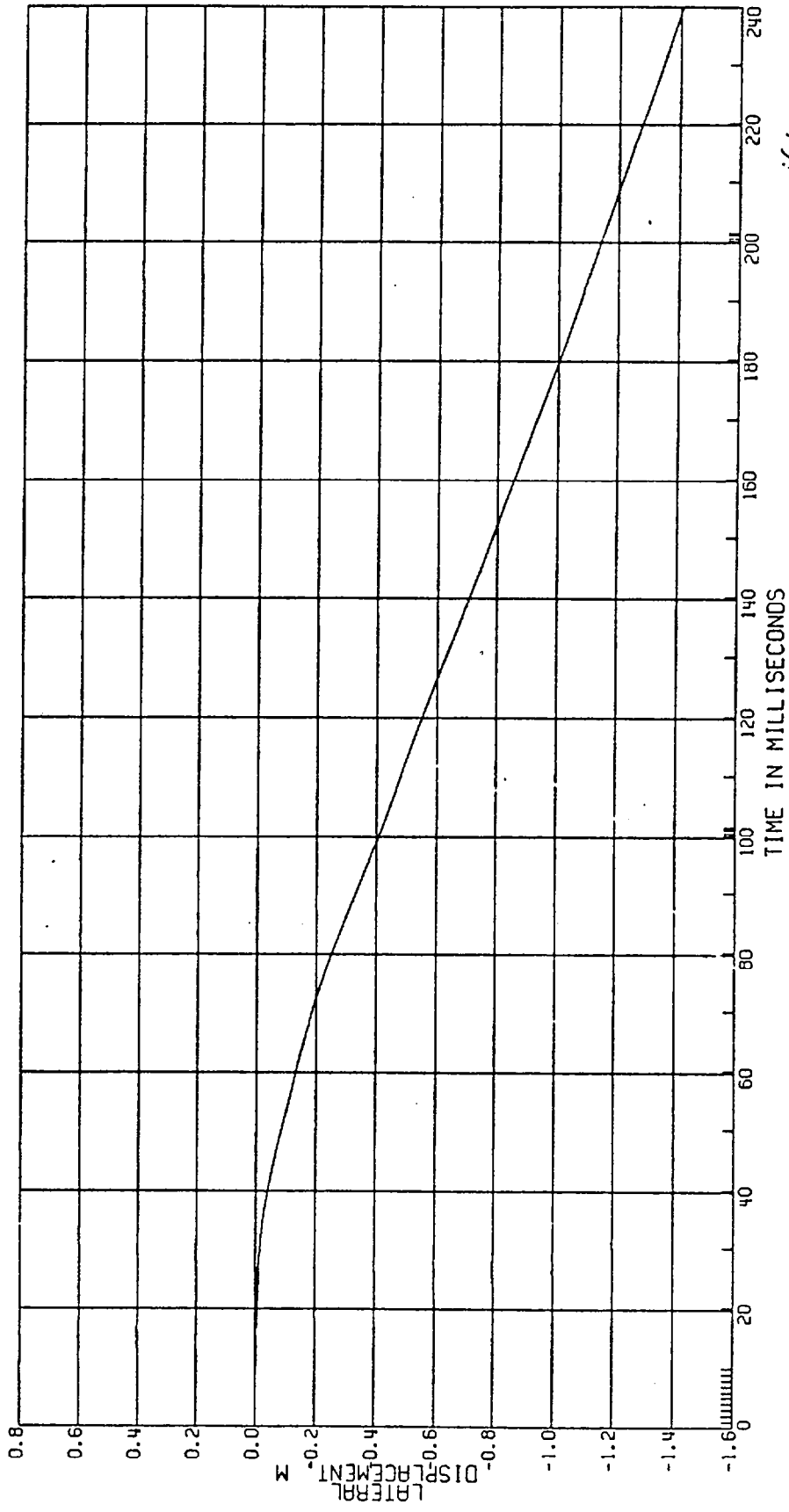
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59 PROCESSED 11 JUN 85 19:02

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 56
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED LT FRT DOOR (A') VELOCITY TEST DATE: 06-11-85
A-0 DATA SAE CLASS 180 (1ST INTEGRAL ACCELERATION)



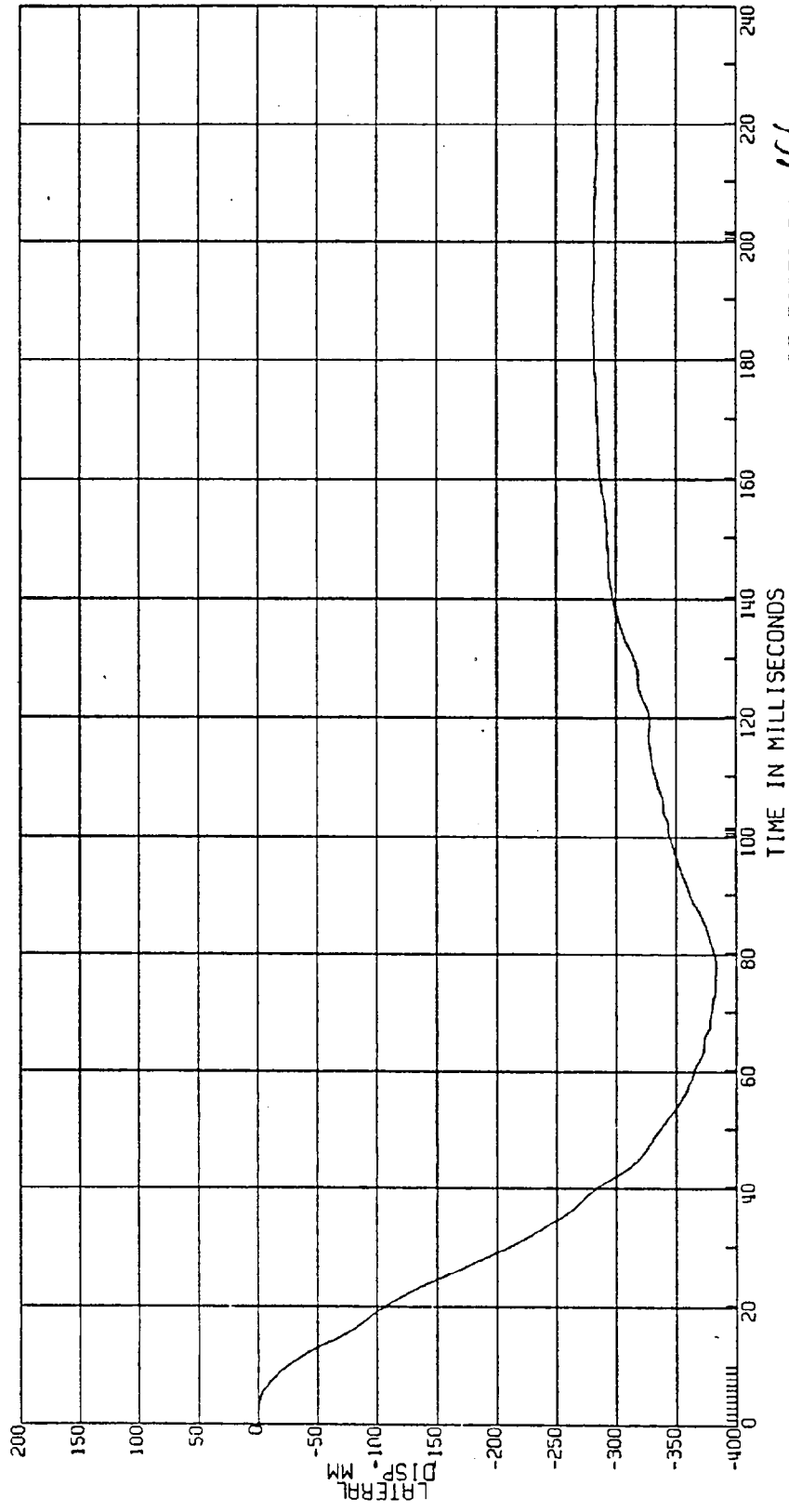
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60 PROCESSED 11 JUN 85 19:02

LOWE'S HIGH SIDE IMPACT MOVING BARRIER IN PARKED VEHICLE 41.2KM/H FIGURE 5'1
3865-176
CPC-FISHER CC462 3JC77 STRUCK COMPUTED LT FRT DOOR (A') DISPLACEMENT TEST DATE:06-11-85
A-D DATA SAE CLASS 180 (2ND INTEGRAL ACCELERATION)



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61 PROCESSED 11 JUN 85 19:03

UG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 58.
3865-176
CPC-FISHER CC462 3JC77 STRUCK PASS-SIDE B-PILLAR @ BELTLINE DISP. TEST DATE:06-11-85
A-D DATA SAE CLASS ' 60



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83 PROCESSED 11 JUN 85 19:06

3865-176

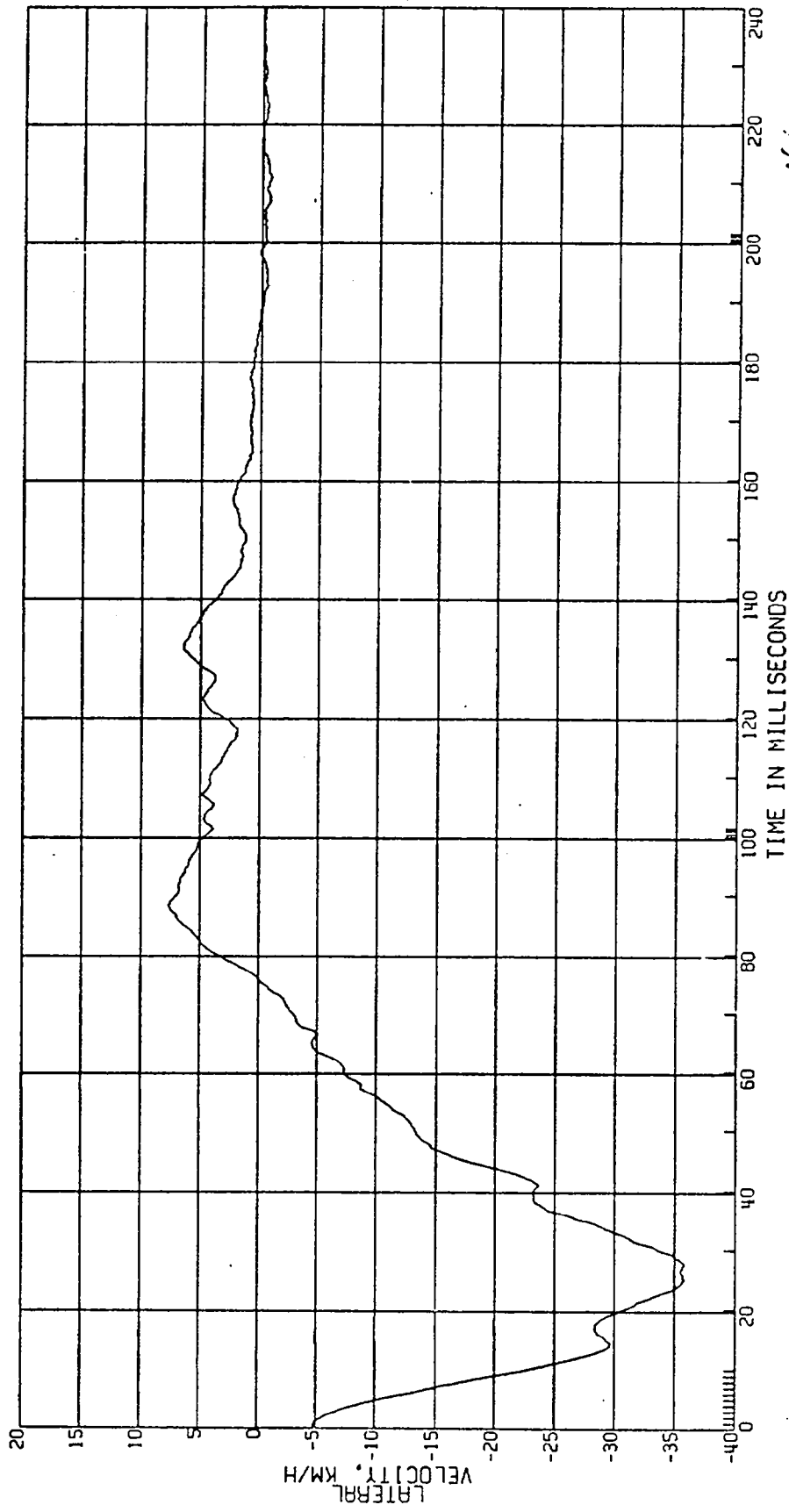
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A-D DATA SAE CLASS 15

COMPUTED B-PILLAR @ BELTLINE VELOCITY

TEST DATE:06-11-85

(1ST DIFFERENTIATION OF DISPLACEMENT)



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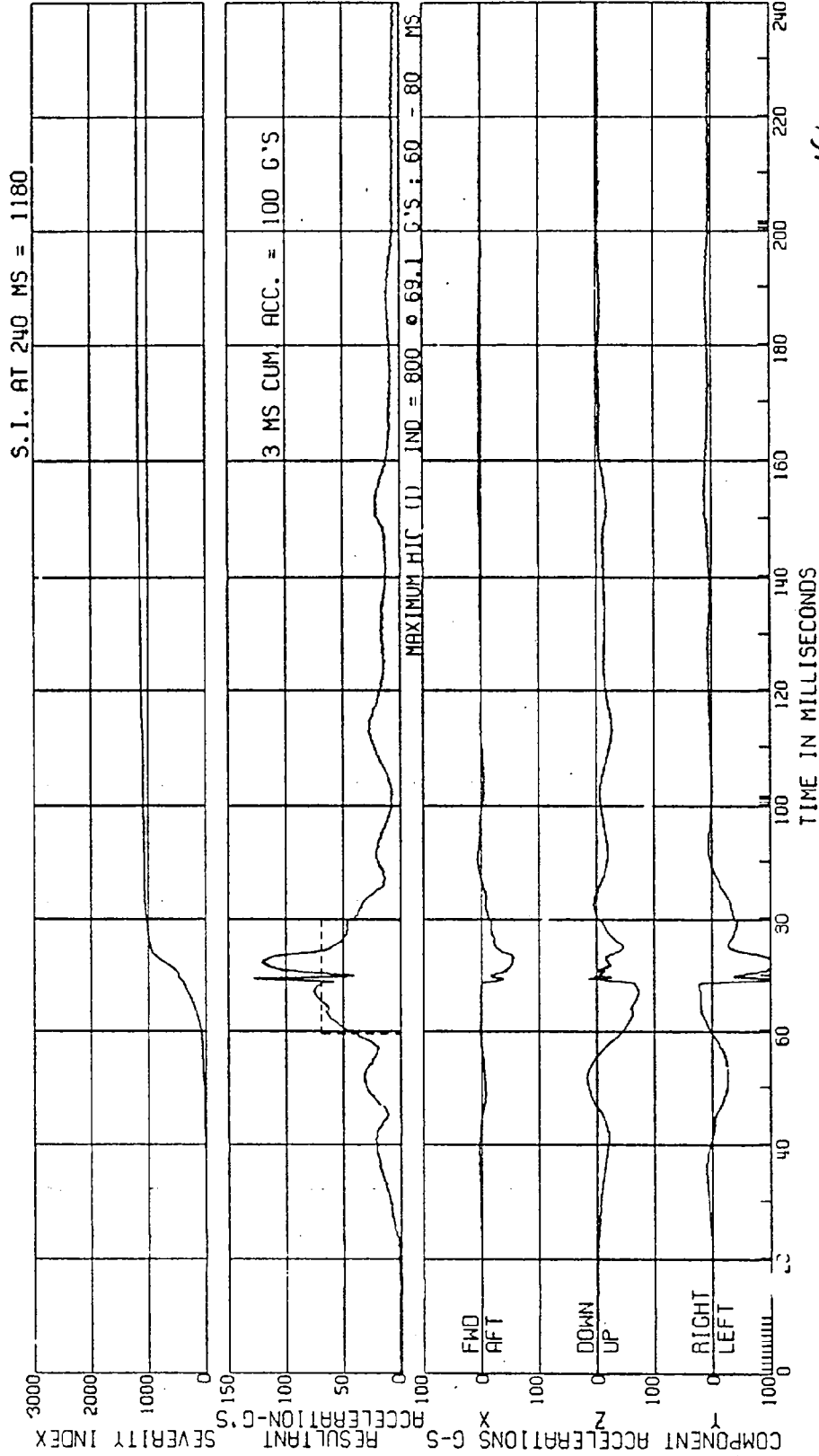
3865-176

CPC-FISHER CC462 3JC77 STRUCK

A-D DATA

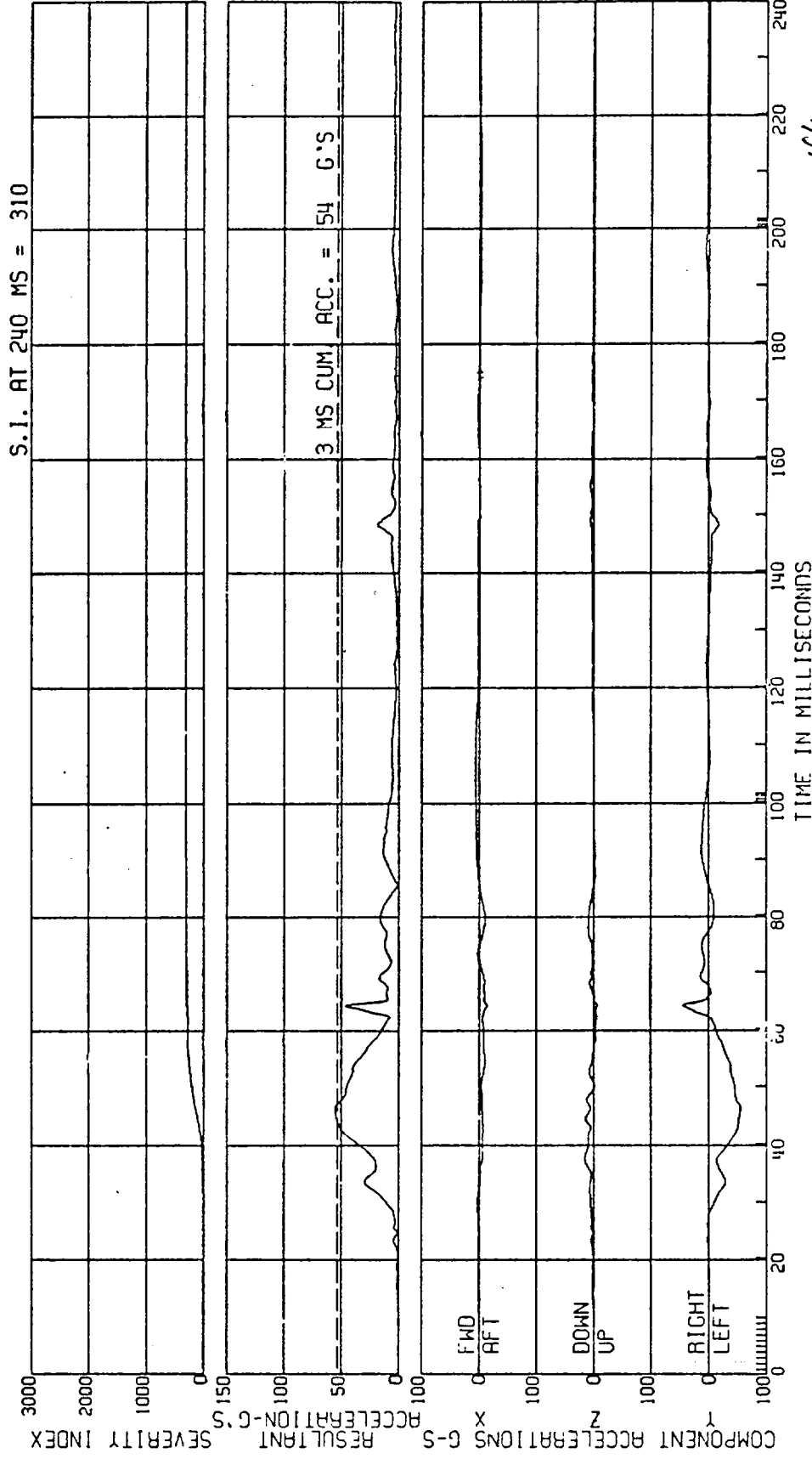
R FRT HEAD ACCEL. HSRISI

TEST DATE: 06-11-85



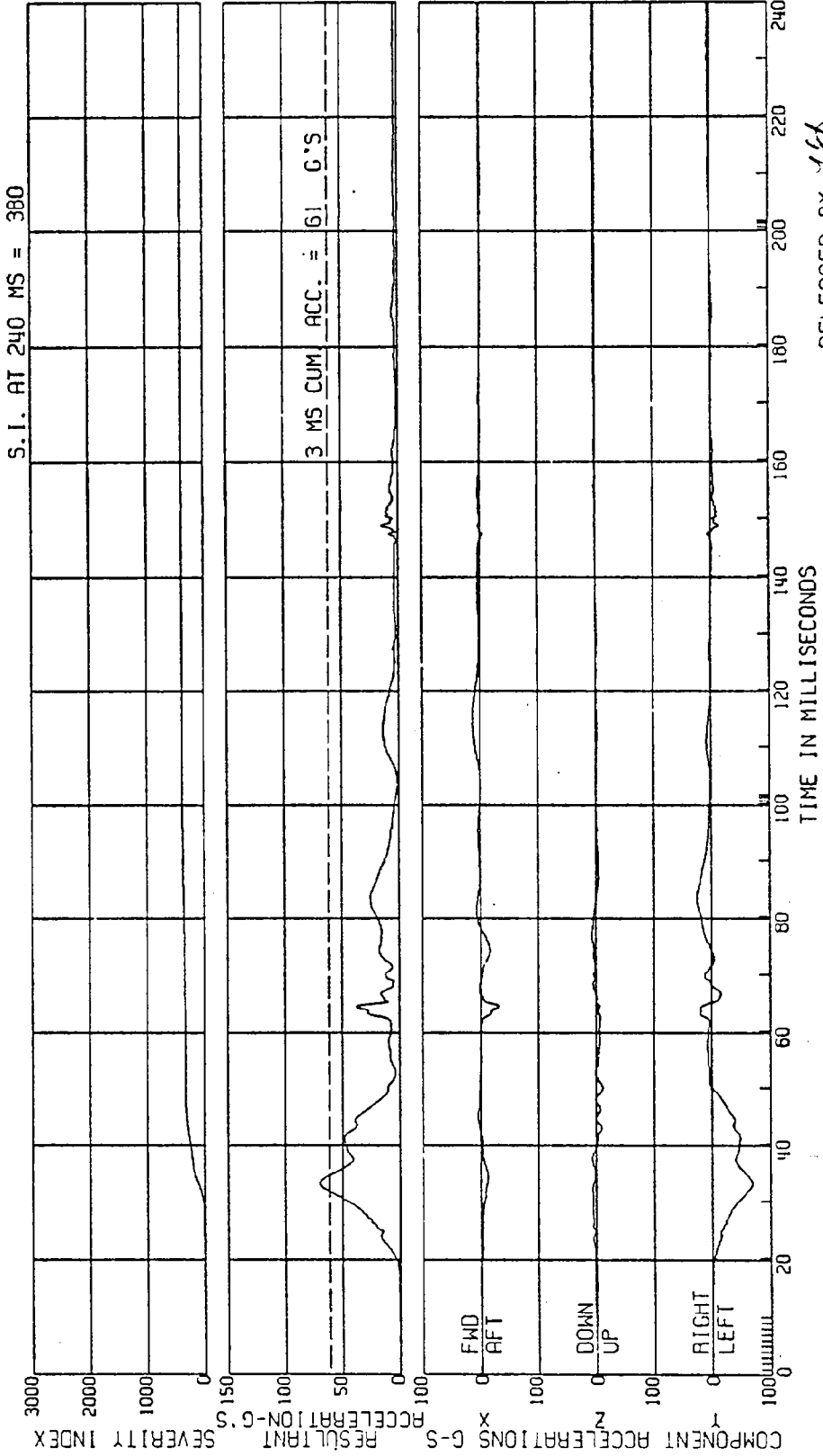
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1 PROCESSED 11 JUN 85 18:49

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 61
 3865-176 R FRT UPPER SPINE ACCEL. HSRISI TEST DATE:06-11-85
 CPC-FISHER CC62 3JC77 STRUCK
 A-D DATA SAE CLASS 180



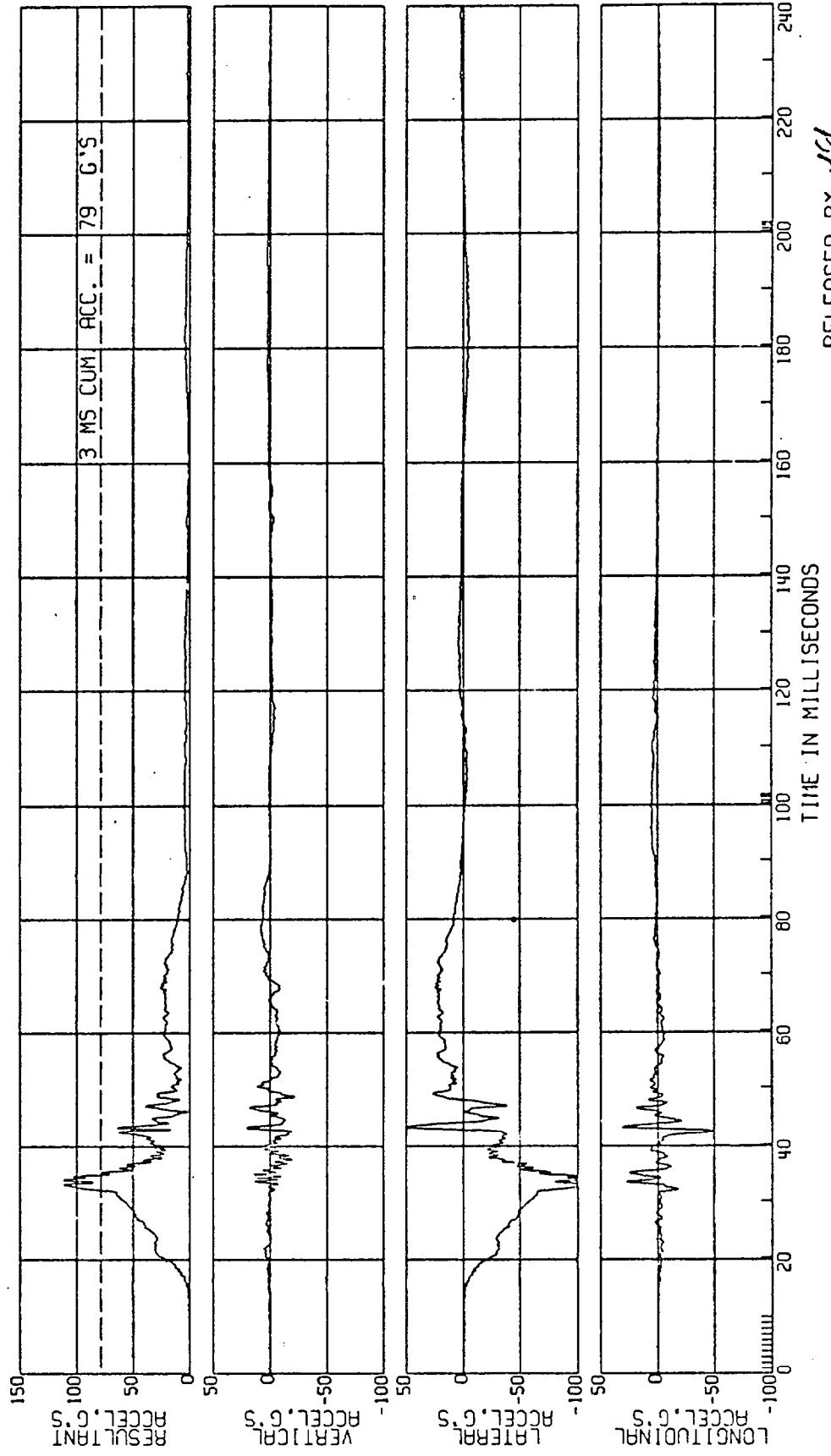
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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 6
 3865-175
 CPC-FISHER CC462 3JC77 STRUCK R FRT LOWER SPINE ACCEL. HSRISI TEST DATE:06-11-85
 A-D DATA SAE CLASS 180

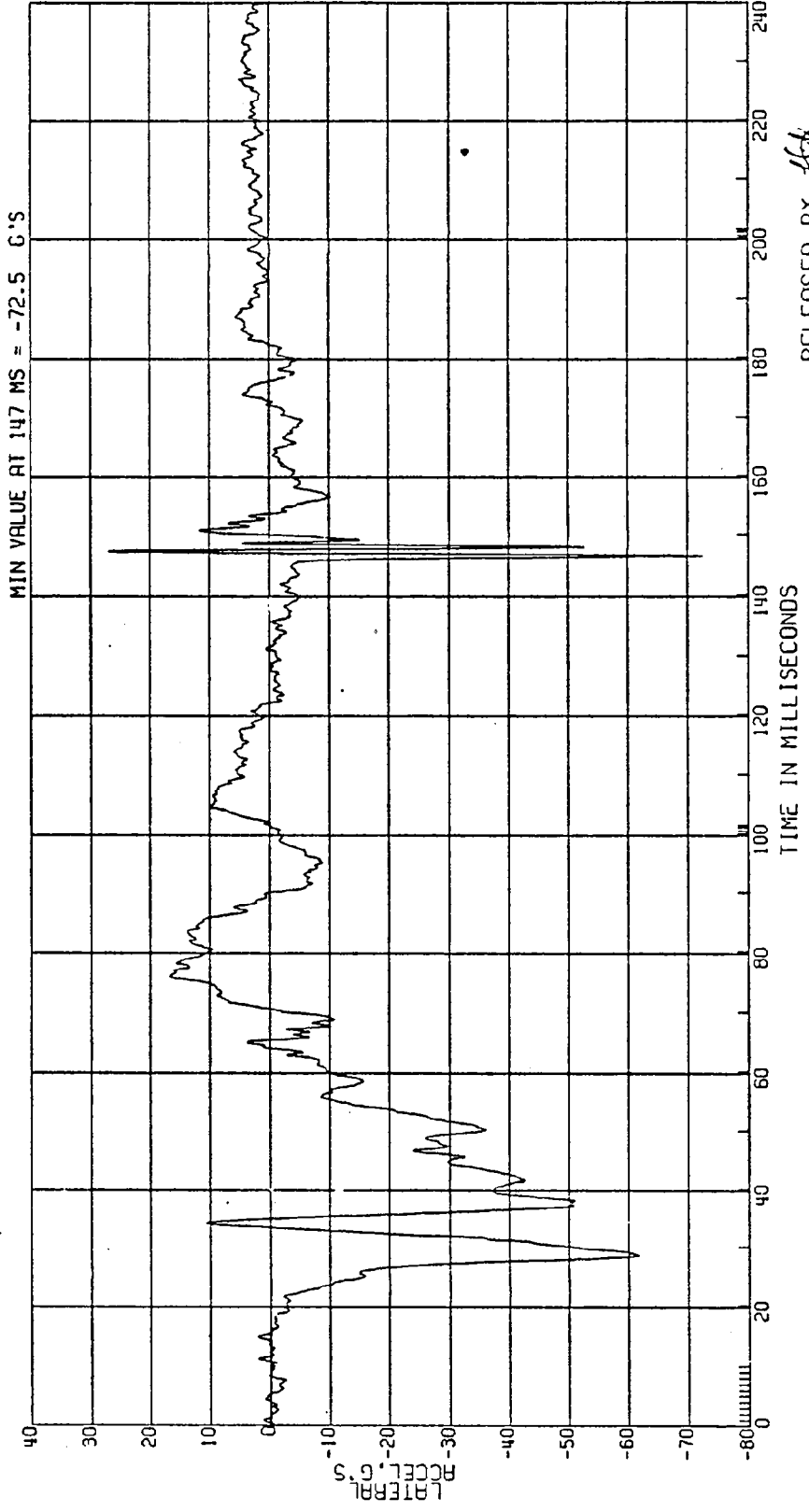


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CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 63
3865-176 R FRT PELVIC ACCEL. HSRISI TEST DATE: 06-11-85
CPC-FISHER CC462 3JC77 STRUCK
A-D DATA SAE CLASS 600

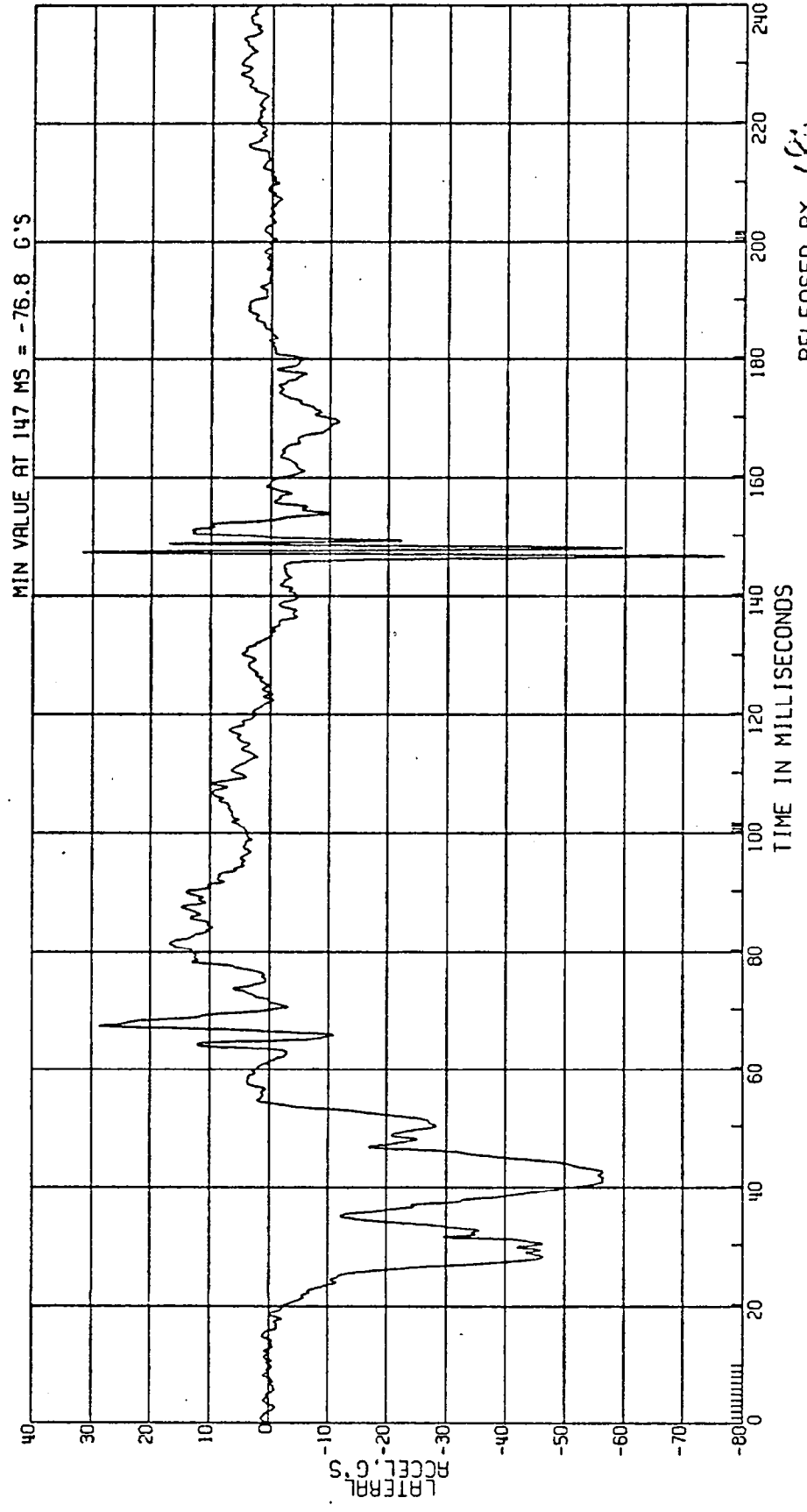


CG251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 24
3865-176
CPC-FISHER CC462 3JC77 STRUCK R FRT. RIGHT UPPER RIB. ACCEL. HSRISI TEST DATE:06-11-85
A-D DATA SAE CLASS 180



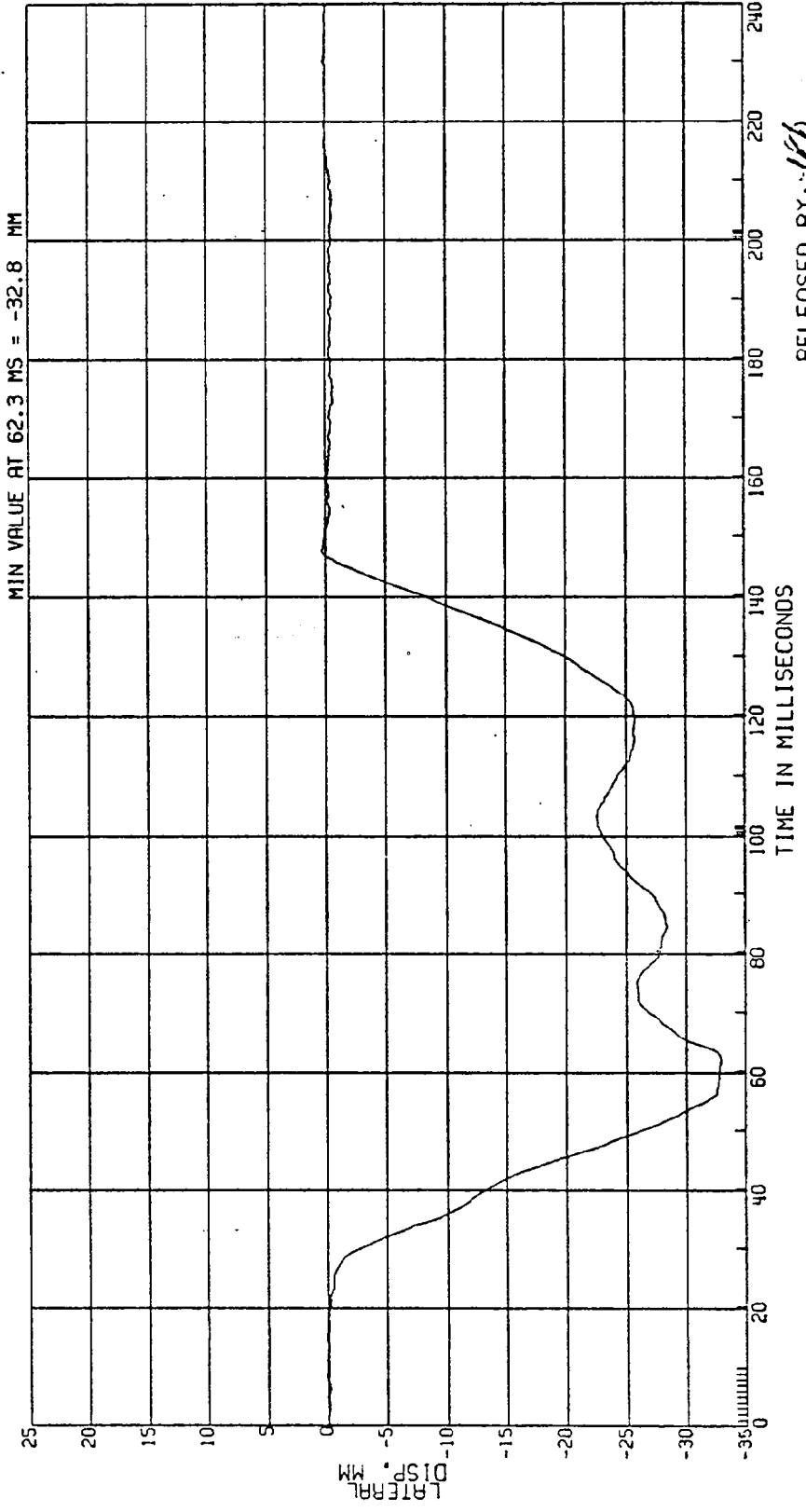
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10 FEBRUARY 11 10:53

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 65
3865-176
CPC-FISHER CC462 3JC77 STRUCK R FRT RIGHT LOWER RIB ACCEL. HSRISI TEST DATE:06-11-85
A-D DATA SAE CLASS 180



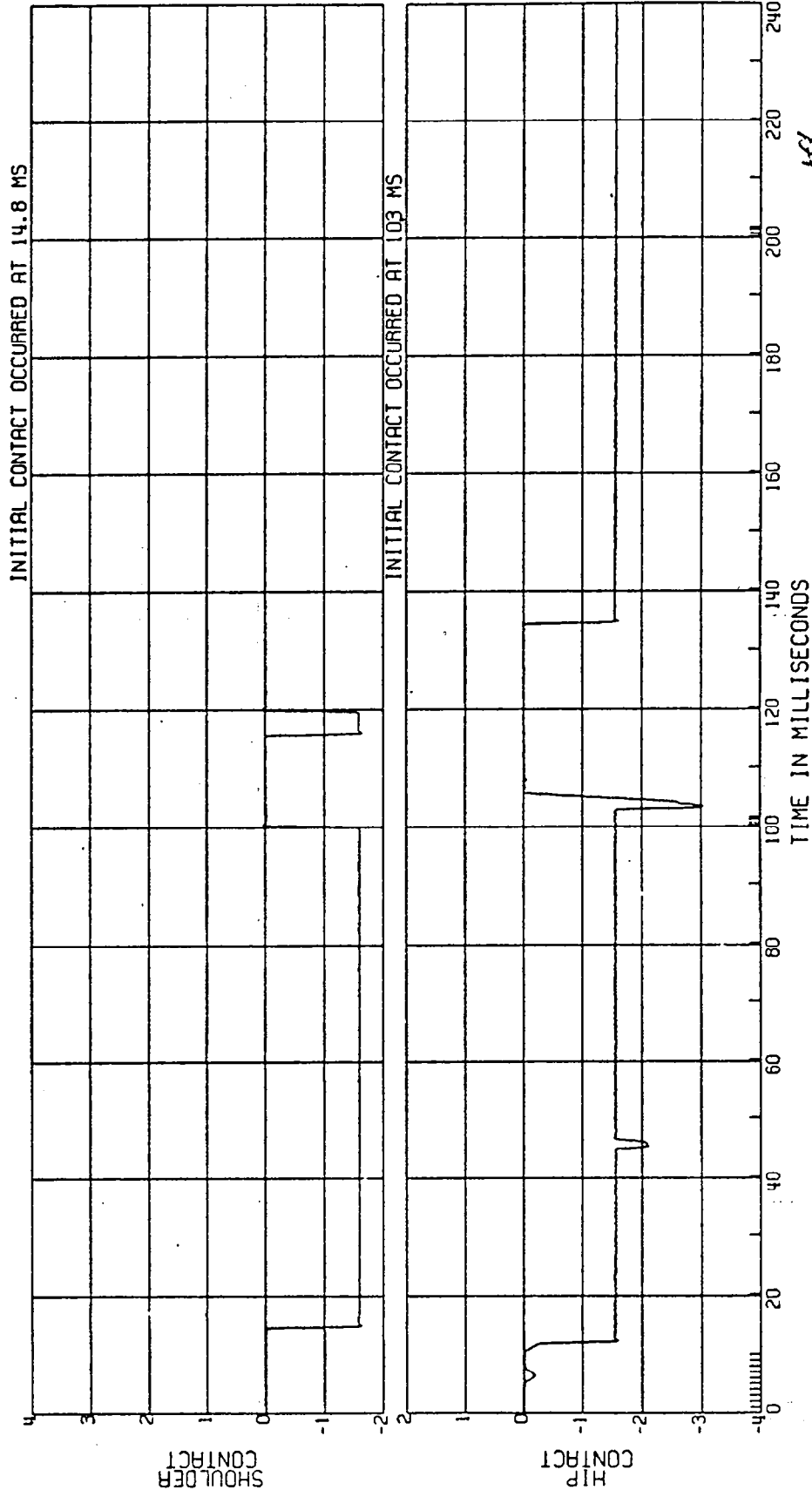
CG251A RIGHT SIDE IMPACT
3865-176
CPC-FISHER CC462 3JC77 STRUCK
A-D DATA SAE CLASS 180

MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 66
R FRT RIGHT UPPER RIB DISP. HSRISI TEST DATE: 06-11-85



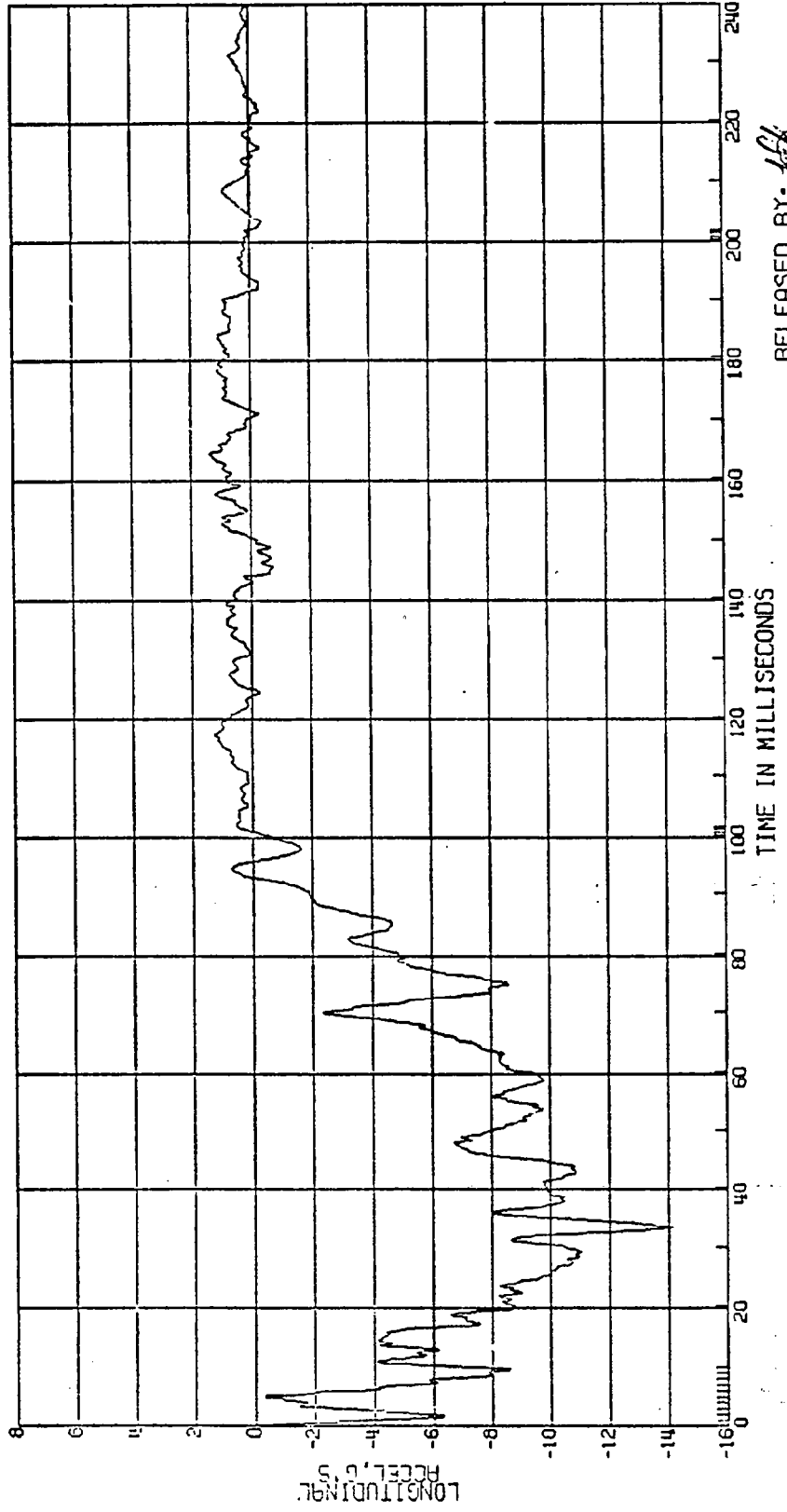
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13 PROCESSED 11 JUN 85 18:54

C6251A RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 67
 3865-176
 CPC-FISHER CC462 3JC77 STRUCK LATERAL RT FRT DOOR CONTACT HSRISI TEST DATE: 06-11-85
 A-D DATA



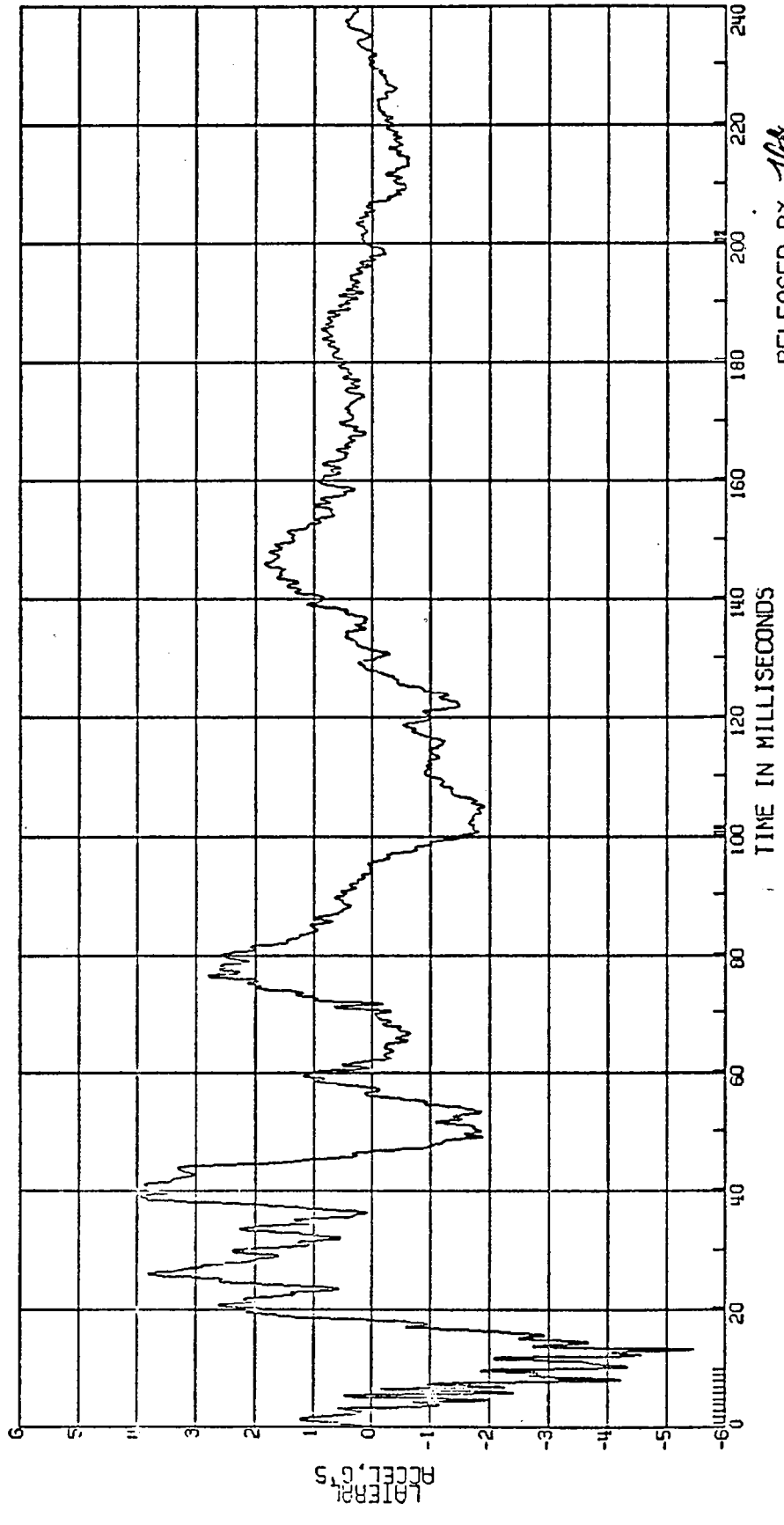
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 85 PROCESSED 11 JUN 85 19:06

CG2518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 68
8015-176
NORTH BARR. STRIKER DR-SIDE STRIKING BARR. FRONT ACCEL. TEST DATE: 06-11-85
A-D DATA ONE CLASS WJ



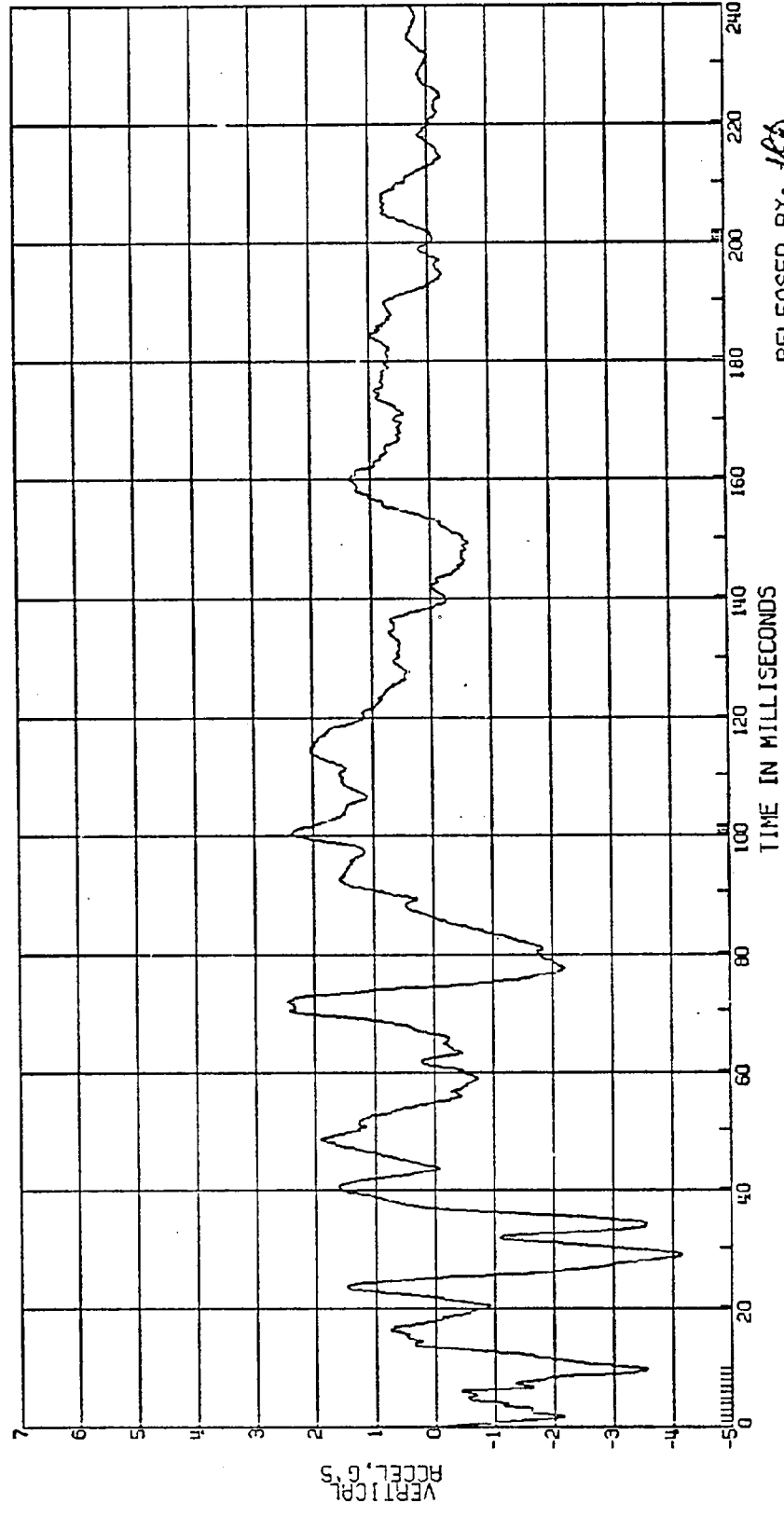
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1 PROCESSED 11 JUN 85 19:59

C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 69
3005-176
CPC-FISHER MOTOR BARR. STRIKER DR-SIDE STRIKING BARR. FRONT ACCEL.
A-D DATA SAE CLASS 00 TEST DATE: 06-11-85



RELEASED BY: *RS*
4 PROCESSED 11 JUN 85 20:00

CG2518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 7D
3035-176 DR-SIDE STRIKING BARR. FRONT ACCEL. TEST DATE: 06-11-85
C20-PISTON NUTS BARR. STRIKER
A-D DATA SAE CLASS CC



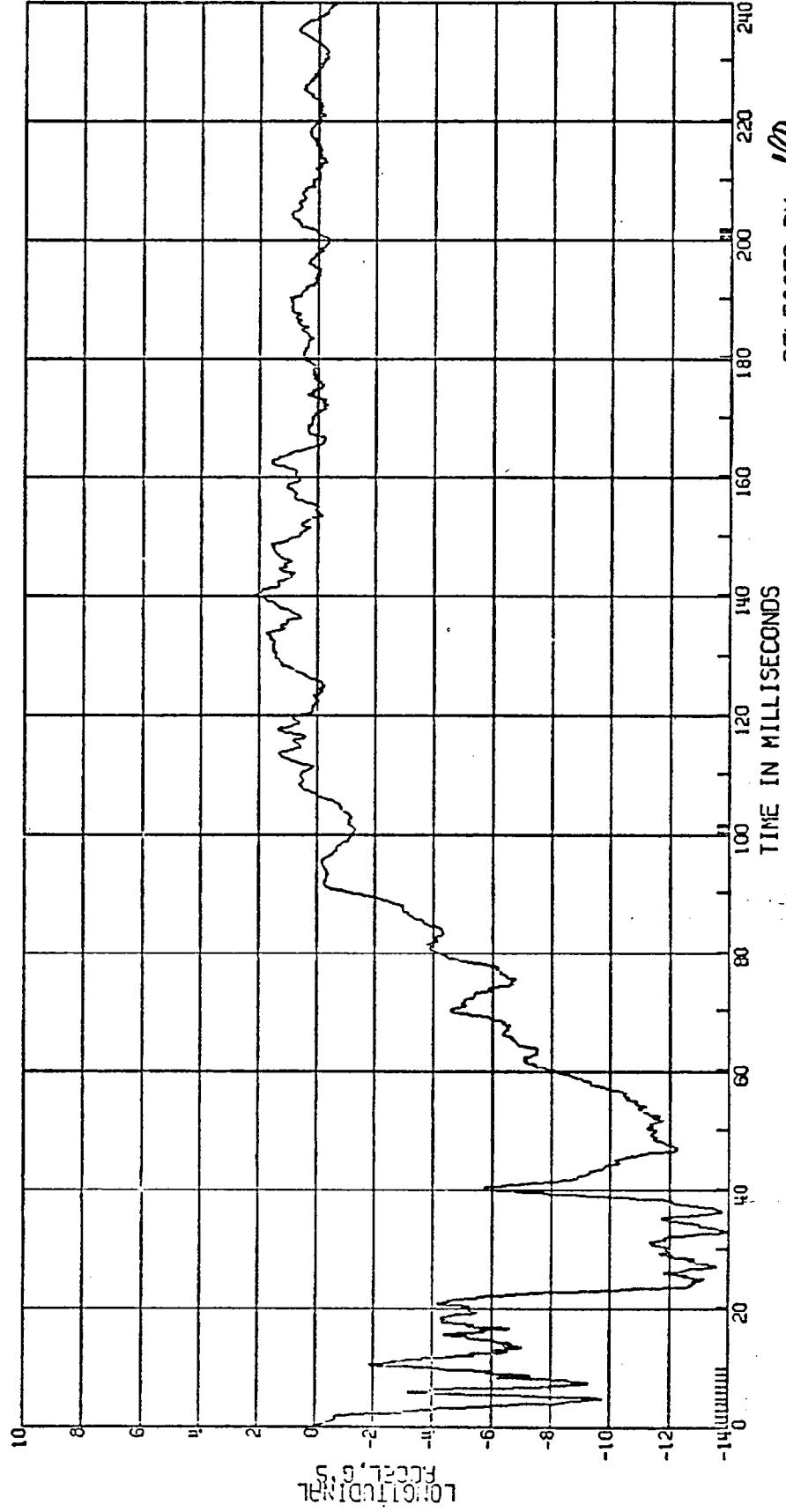
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7 PROCESSED 11 JUN 85 20:00

MOVING CARRIES TO PARKED VEHICLE 41.2KM/H FIGURE 71

CPC-FISHEN NITRO DMR. STRIKER
A-D DATA SAE CLASS 60

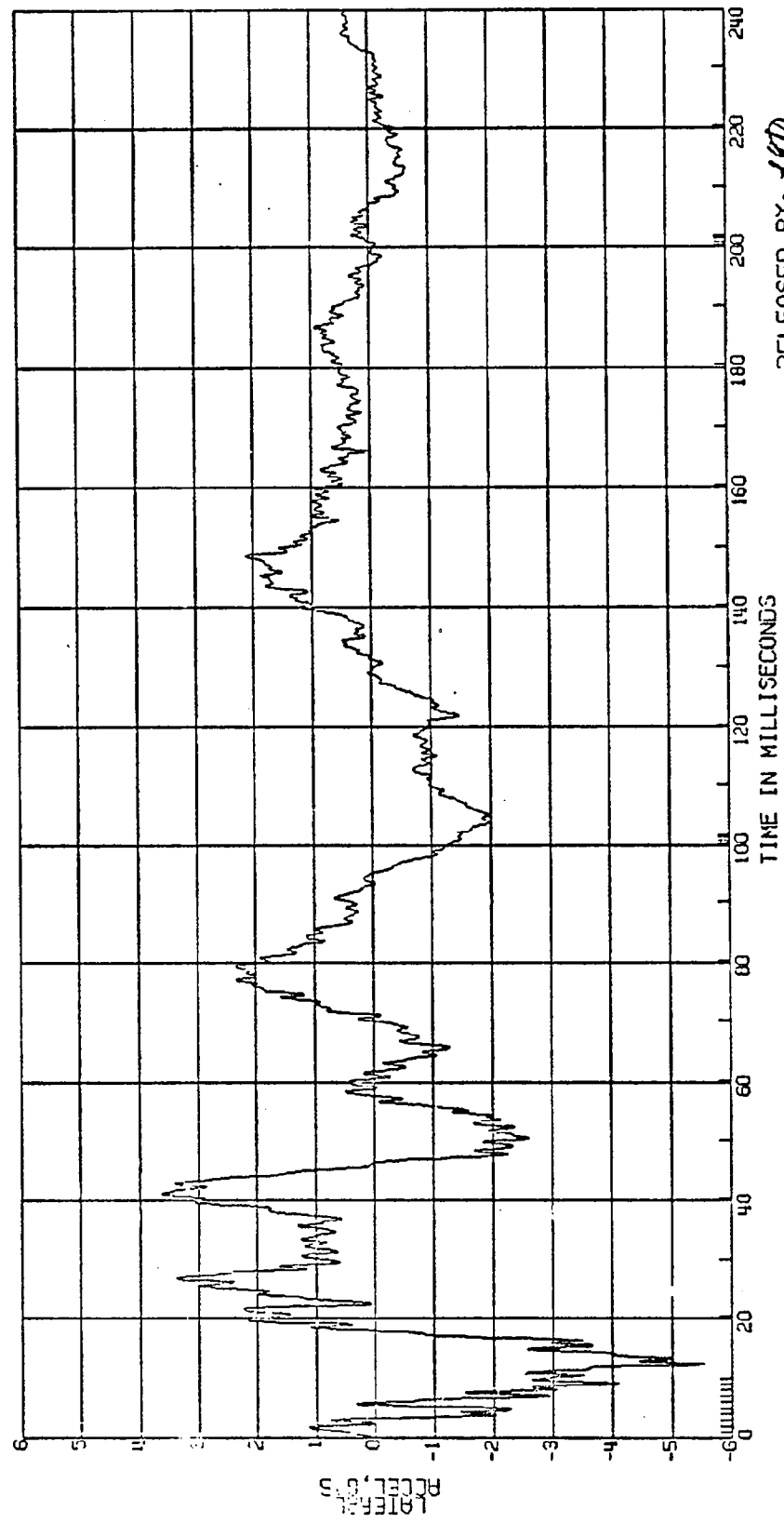
PASS-SIDE STRIKING BARR. FRONT ACCEL.

TEST DATE: 06-11-85



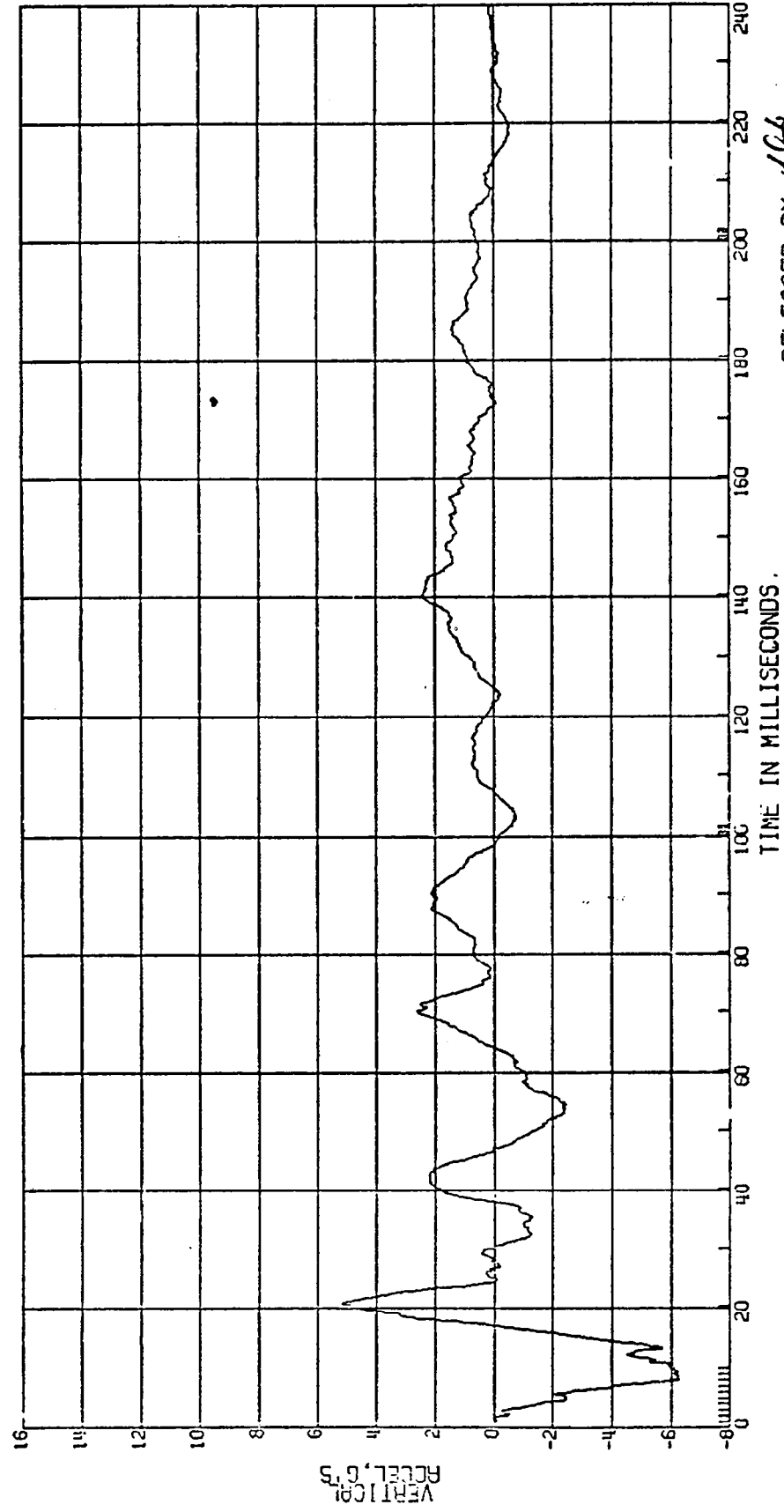
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10 PROCESSED 11 JUN 85 20:01

C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 7a
 2006-176
 100 DATA ONE CLASS 00
 PASS-SIDE STRIKING BARR. FRONT ACCEL. TEST DATE:06-11-85



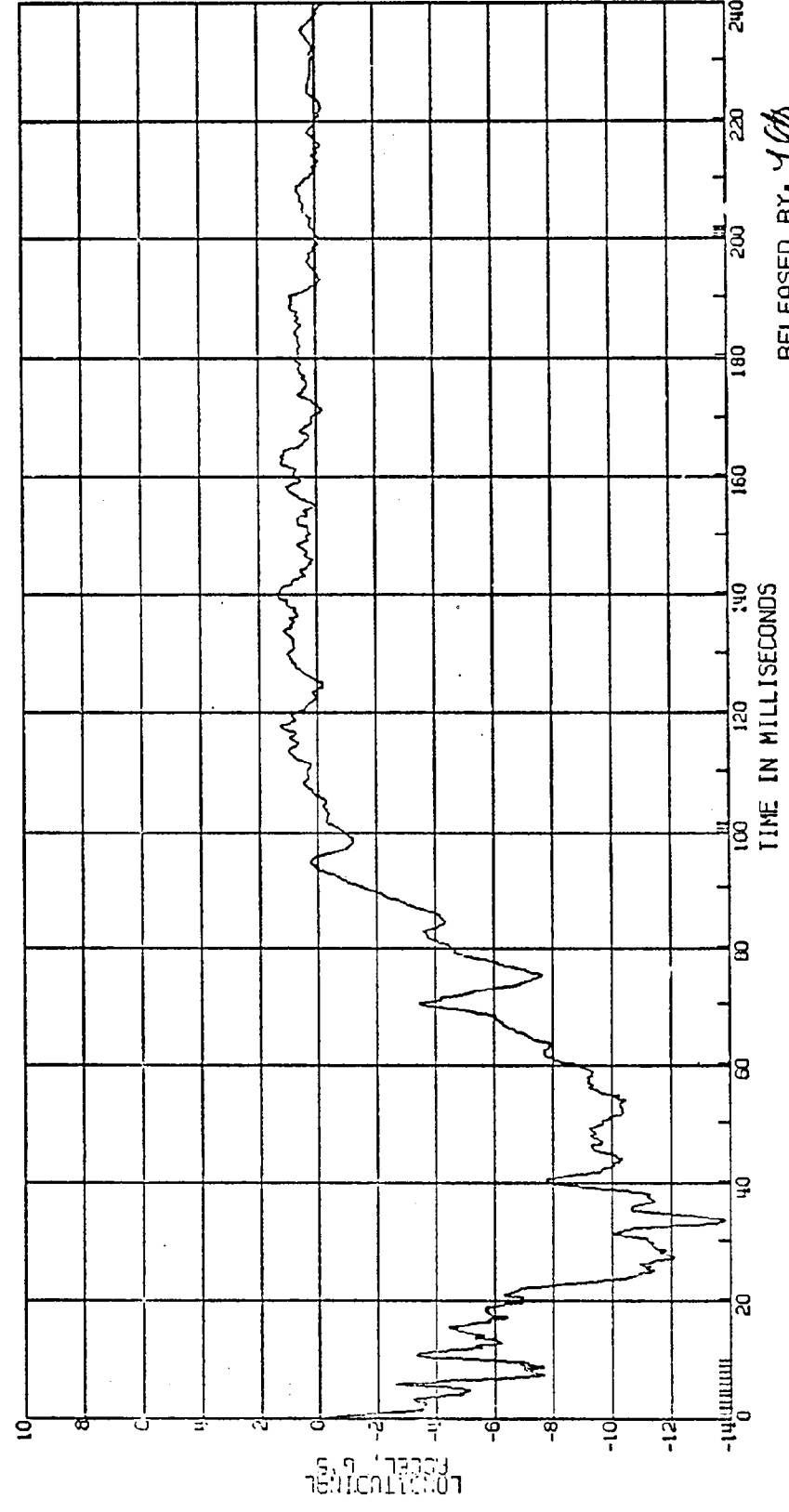
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 13 PROCESSED 11 JUN 85 20:01

C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 73
3035-176
CPC-FISHED NUTS99 BARR. STRAIKER PASS-SIDE STRIKING BARR. FRONT ACCEL. TEST DATE:06-11-85
A-D DATA SEE CLASS 00



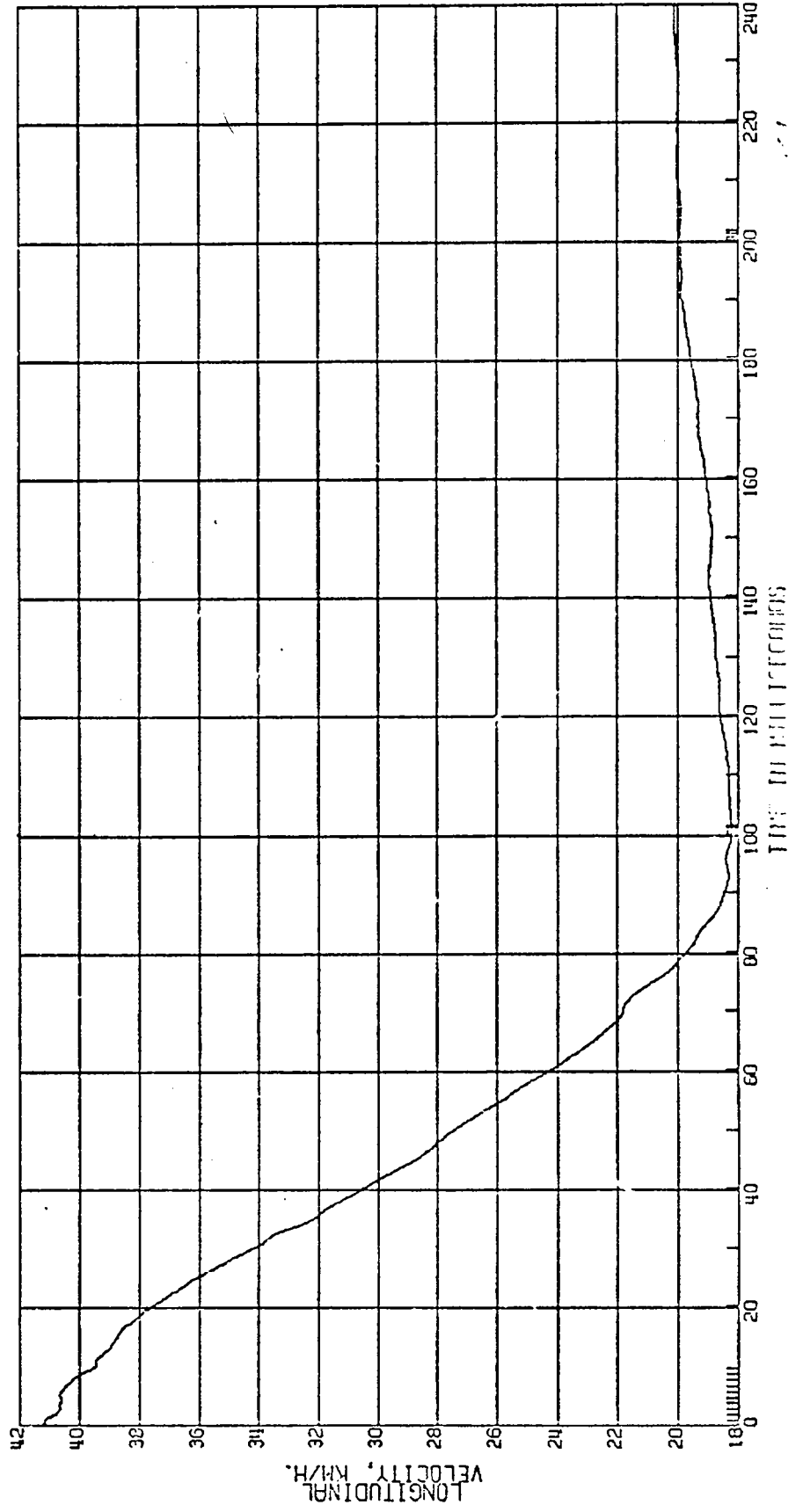
RELEASED BY: *AKB*
16 PROCESSED 11 JUN 85 20:01

C6251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 74
 0035-173
 AVERAGED DRIVER & PASSENGER SIDES TEST DATE: 06-11-65
 AVERAGED STRIKING BARR-FRONT ACCEL
 RFD DATA ONE CLASS 60

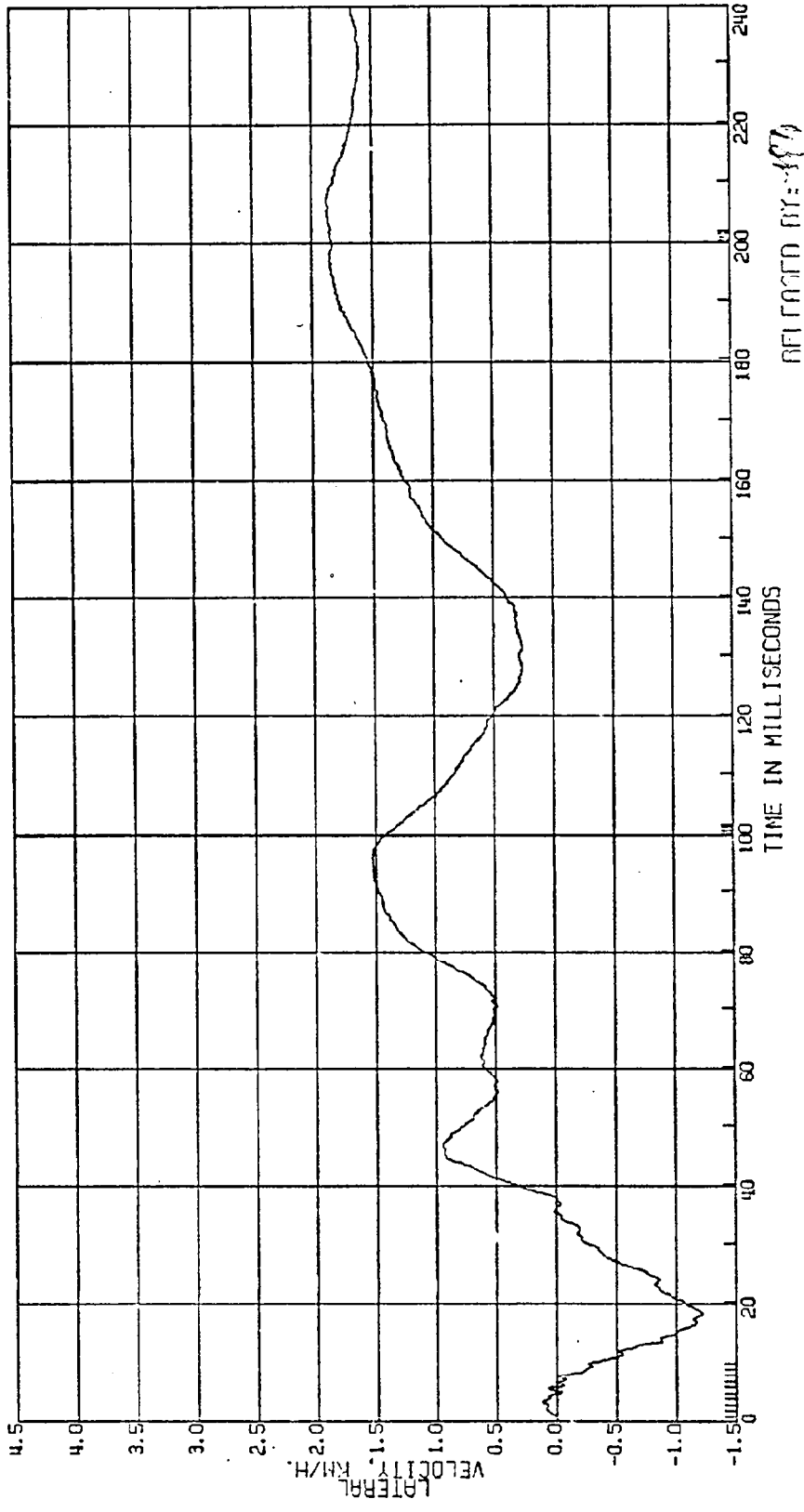


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 19 PROCESSED 11 JUN 15 20:02

C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 75
3035-176
CPC-STRUCKER NHTSA BARR. STRIKER COMPUTED STRIKING BARR-FRT VELOCITY TEST DATE: 06-11-85
A-D DATA SAE CLASS 100 (1ST INTEGRAL DR-SIDE ACCELERATION)

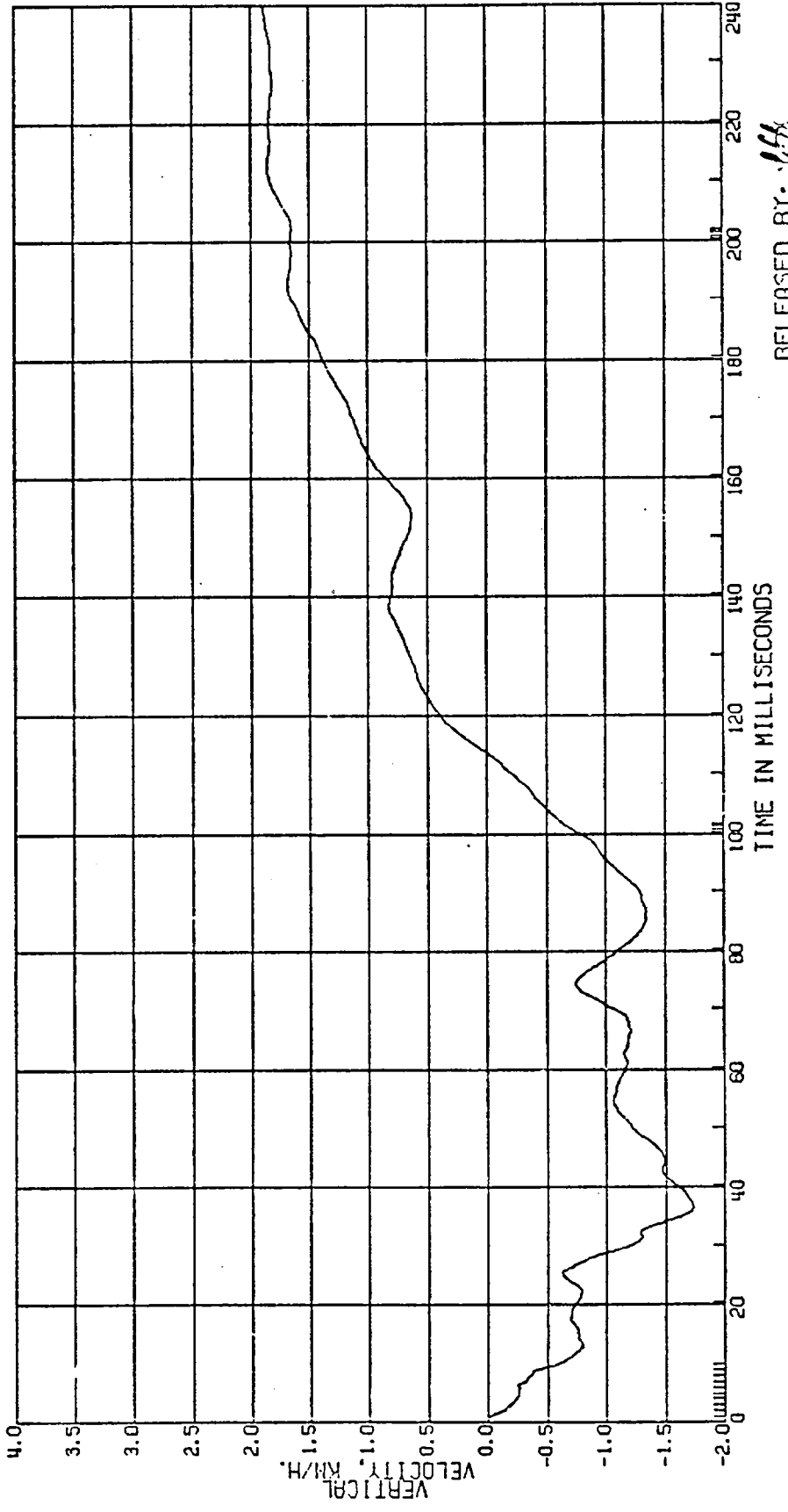


C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 7b
 3005-175
 APC-FRONT WHEEL DEPR. STRIKER COMPUTED STRIKING BARR-FRT VELOCITY TEST DATE: 06-11-85
 A-D DATA SAE CLASS 100 (1ST INTEGRAL DR-SIDE ACCELERATION)



REFLECTED BY: 487

C6251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 77
3865-176
CPC-FISHER NHTSA BARR. STRIKER COMPUTED STRIKING BARR-FRT VELOCITY TEST DATE: 06-11-85
A-D DATA SAE CLASS 100 (1ST INTEGRAL DR-SIDE ACCELERATION)

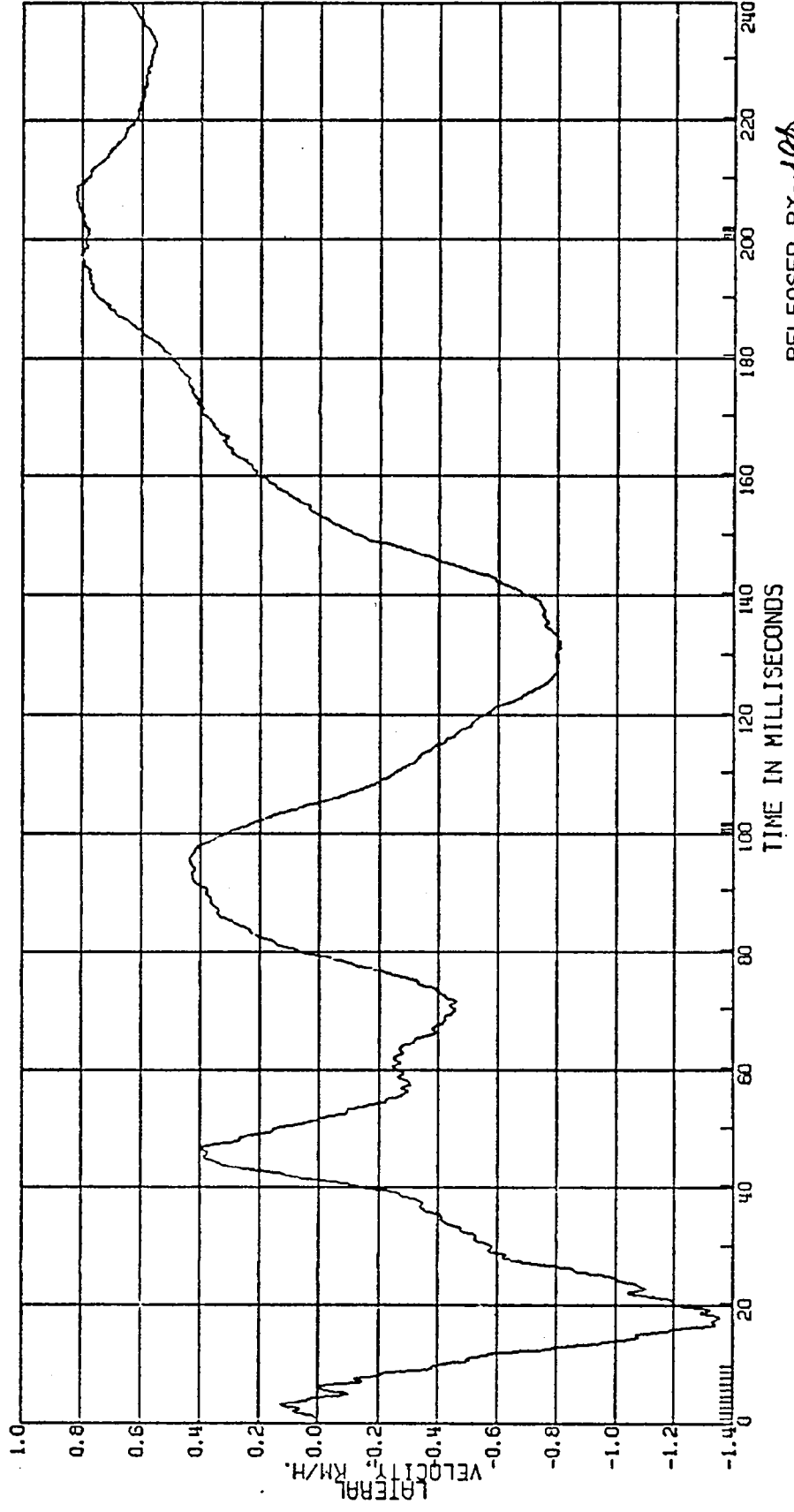


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C62518 RIGHT SIDE IMPACT
32355-176
CPC-FISHER NHTSA BARR. STRIKER
A-D DATA SAE CLASS 130

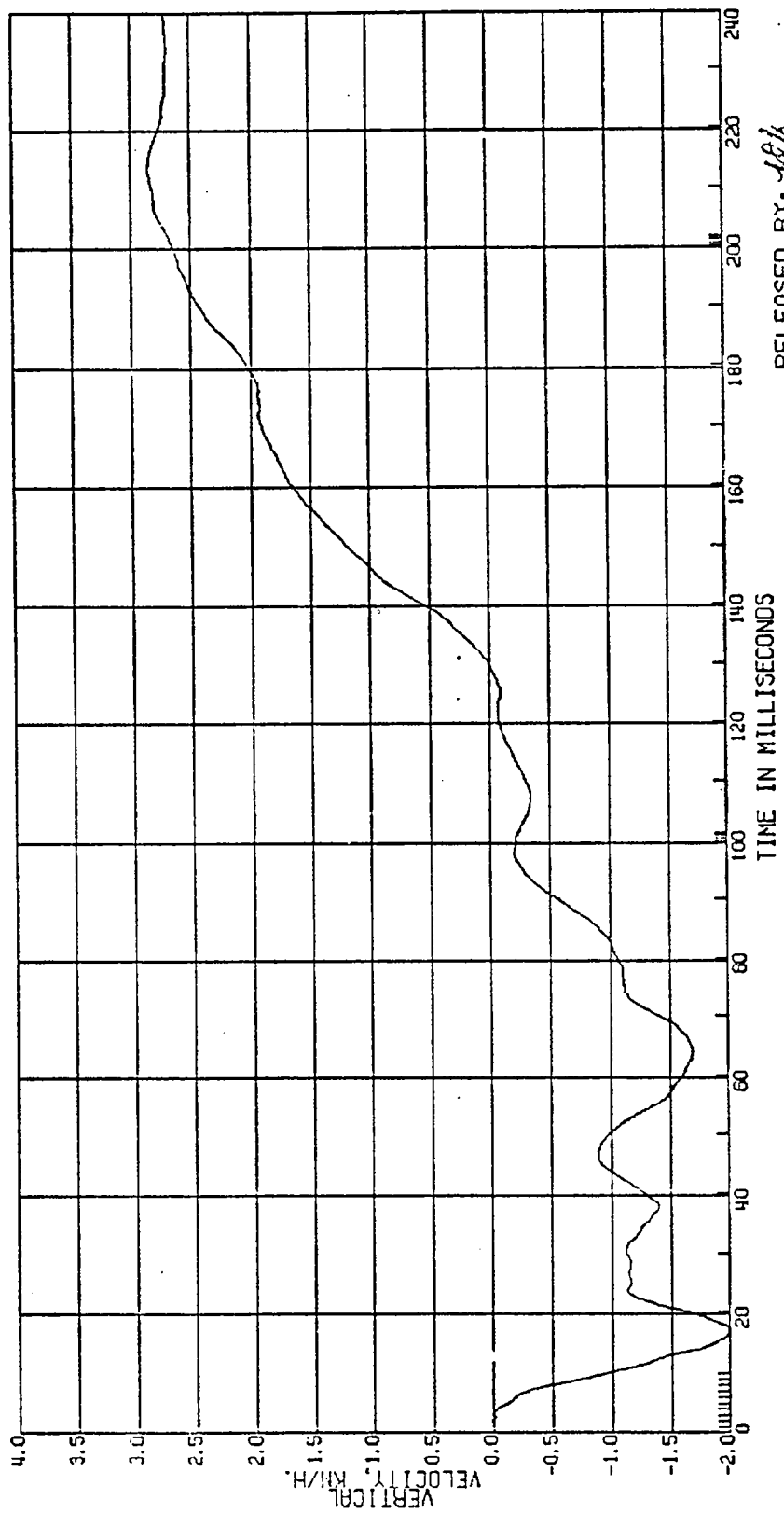
MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 79
COMPUTED STRIKING BARR-FRT VELOCITY
(1ST INTEGRAL PASS-SIDE ACCELERATION)

TEST DATE: 06-11-85



RELEASED BY: *RPB*
14 PROCESSED 11 JUN 85 20:01

C6251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 80
 0005-1757
 SPECIMEN: NHTSA CRASH STRIKER COMPUTED STRIKING BARR-FRT VELOCITY TEST DATE: 06-11-85
 A-D DATA ONE CLASS 100 (1ST INTEGRAL PASS-SIDE ACCELERATION)



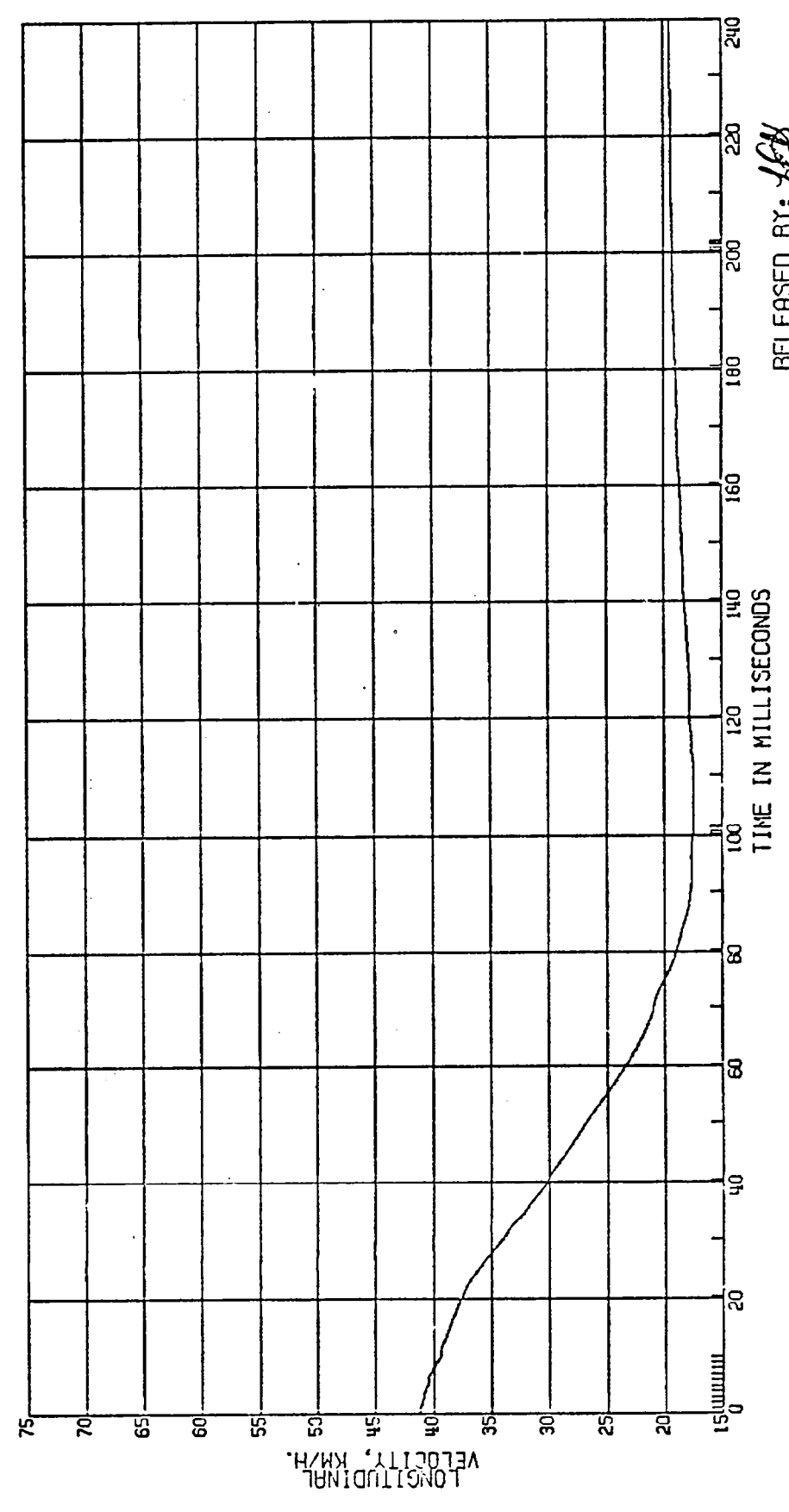
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 17 PROCESSED 11 JUN 85 20:01

MOVING BARRIER TO PARKED VEHICLE 91.2KM/H FIGURE 81

TEST DATE: 06-11-85

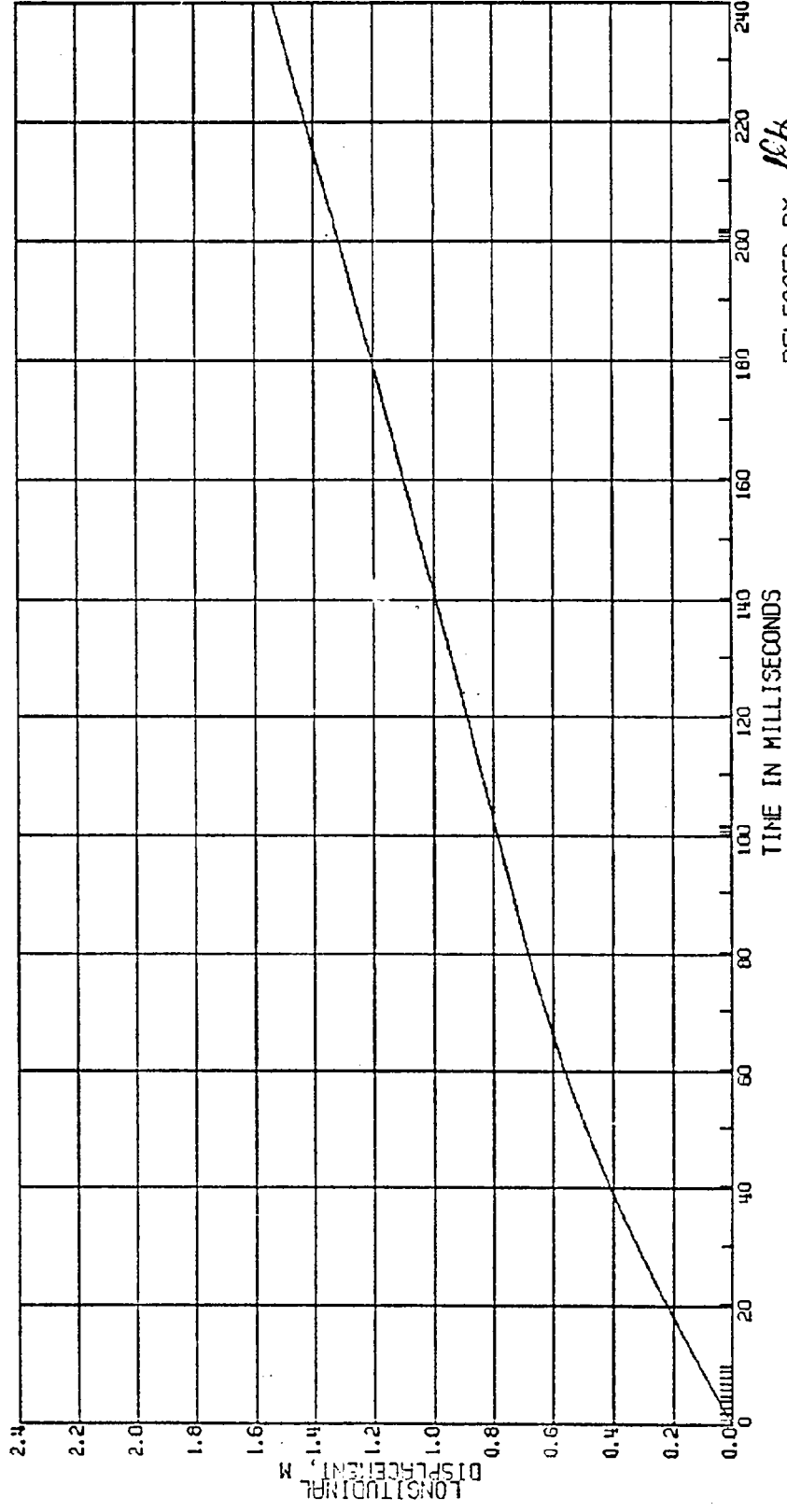
COMPUTED STRIKING BARR-FRT VELOCITY
(1ST INTEGRAL AVERAGED ACCELERATION)

CPC-FISHER AUTO DATA STRIKER
A-D DATA SRE CL503 100



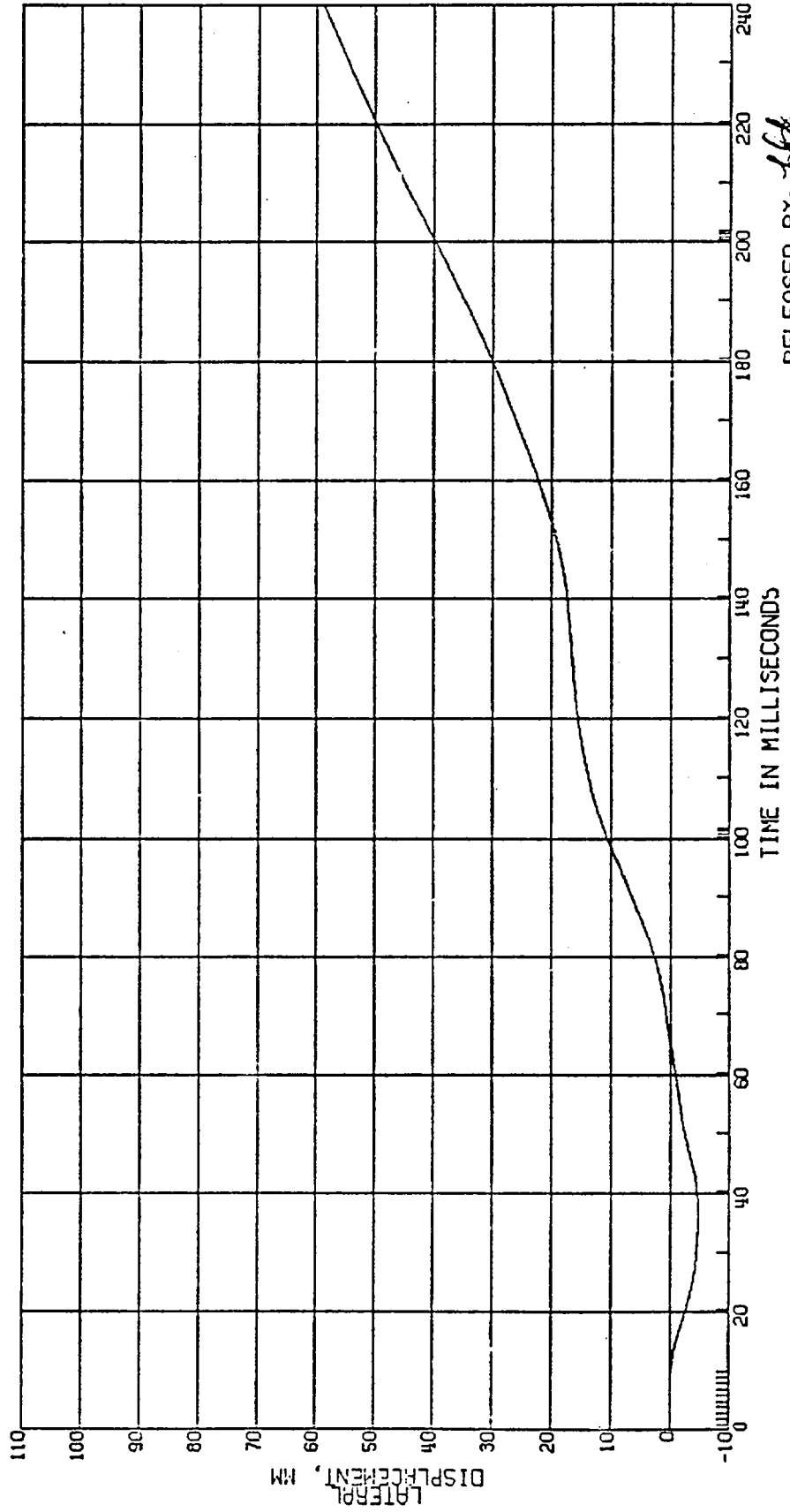
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20 PROCESSED 11 JUN 85 20:02

CG251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 82
 0000173
 CPC-PIVOT, NHTSA BARR. STRIKER COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE: 06-11-85
 R-D DATA SAE CLASS 100 (2ND INTEGRAL DR-SIDE ACCELERATION)



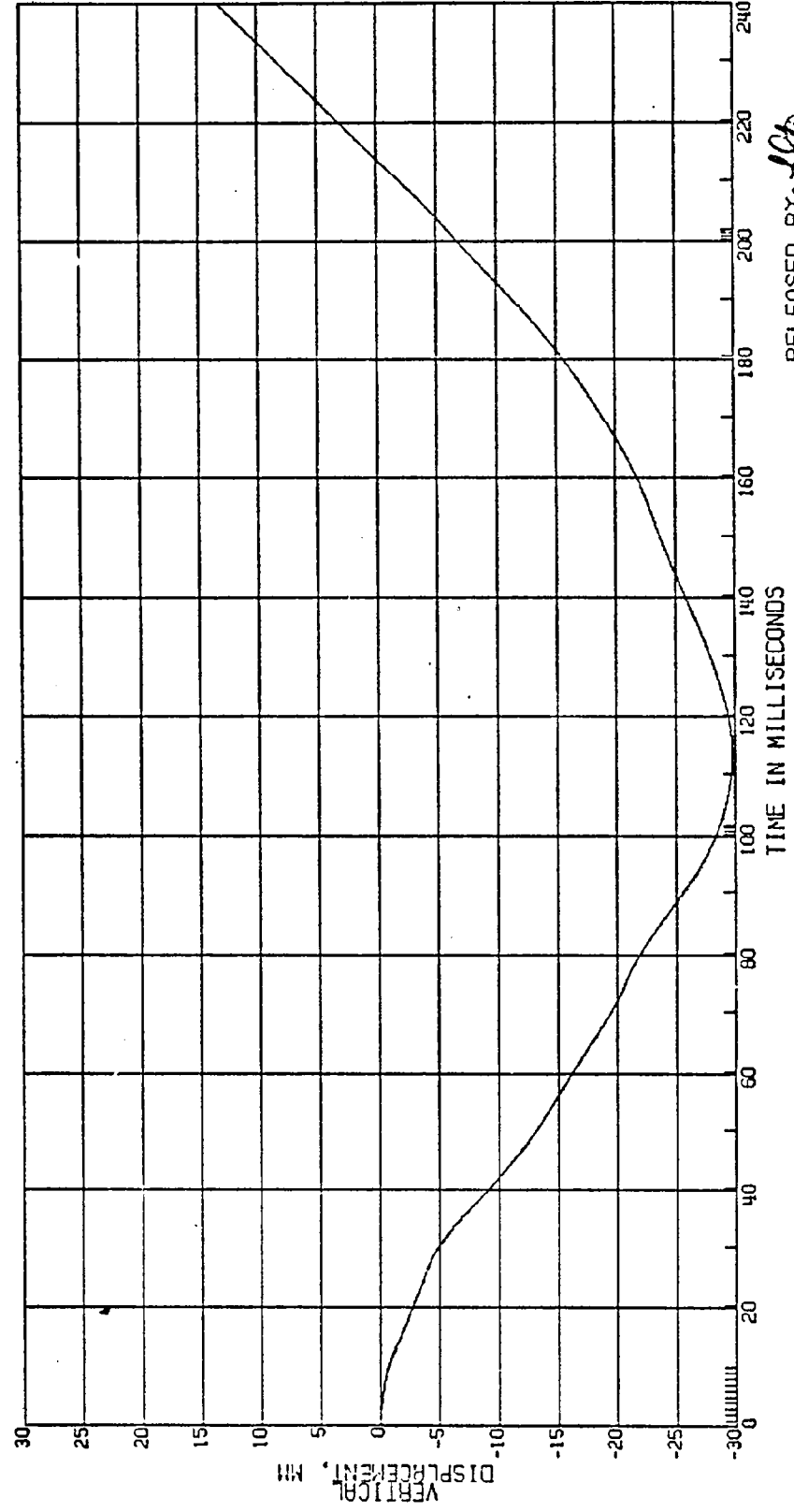
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 3 PROCESSED 11 JUN 85 20:00

C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 83
3865-176
CPC-FISHERN NITCO DATA STRAIKER COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE:06-11-85
A-D DATA SAE CLASS 100 (2ND INTEGRAL DR-SIDE ACCELERATION)



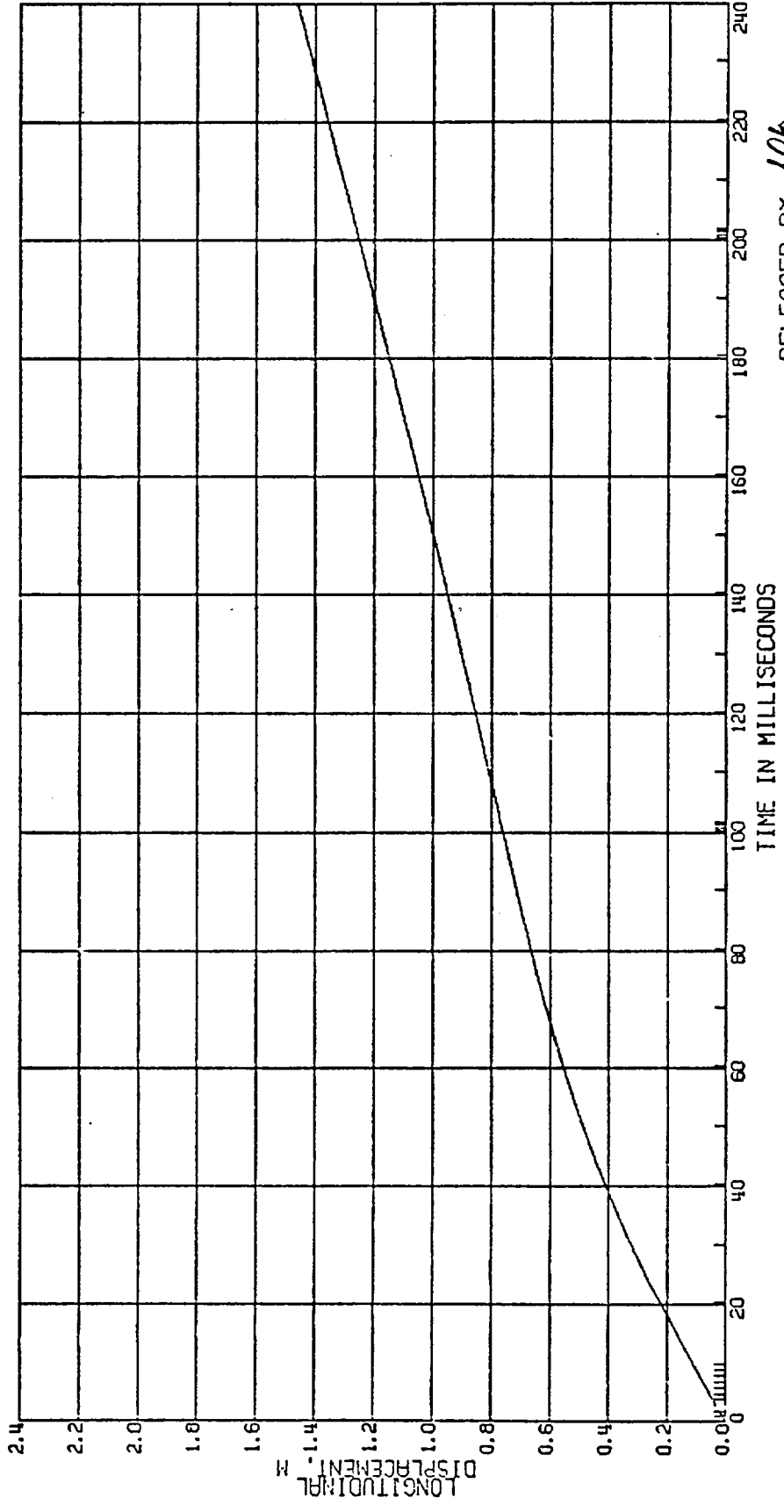
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6 PROCESSED 11 JUN 85 20:00

C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 84
 3035-173
 CPC-FISHER NHTSA B&M STRIKER COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE: 06-11-85
 A-D DATA SAE CLASS 1e0 (2ND INTEGRAL DR-SIDE ACCELERATION)



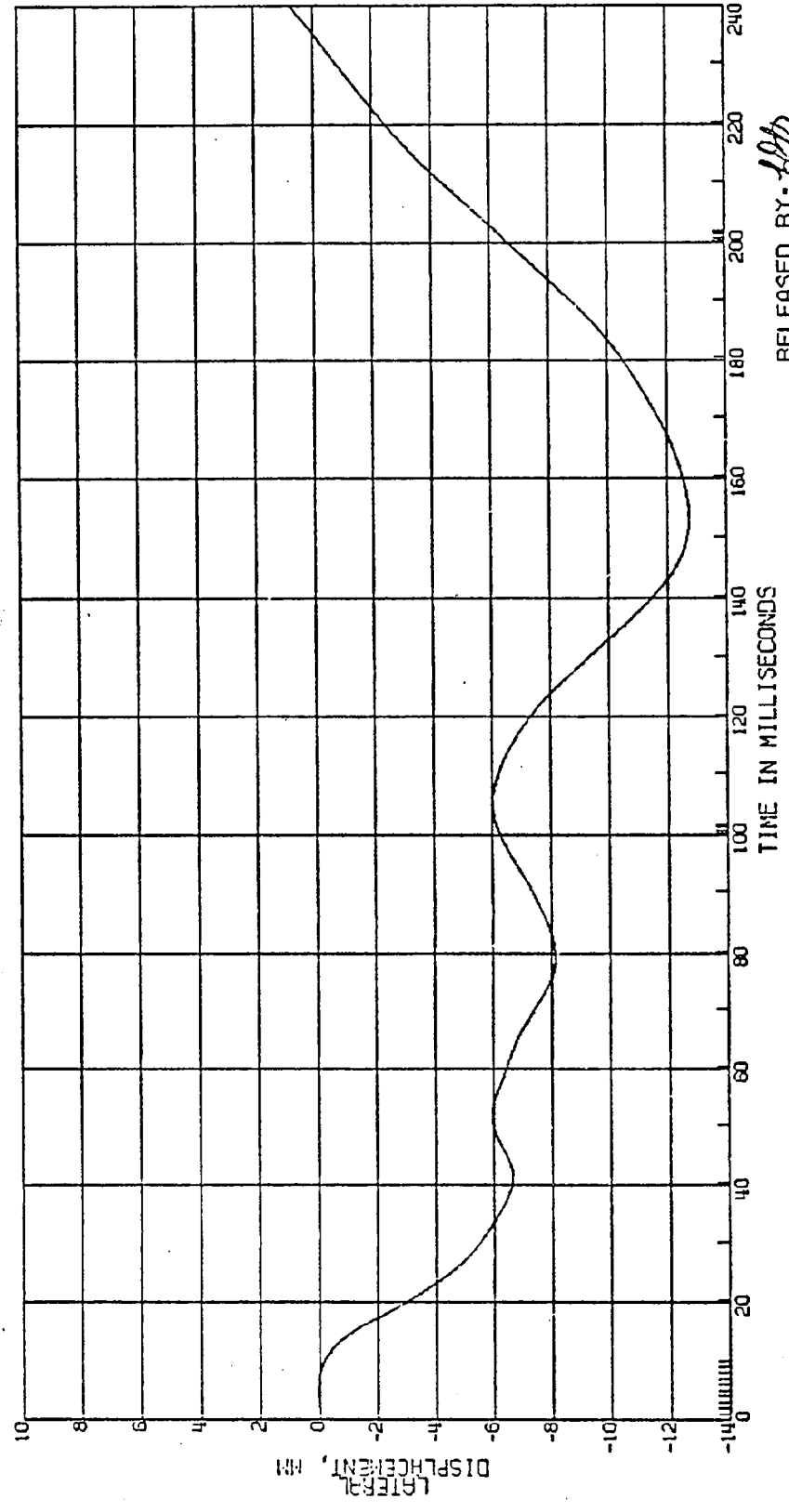
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 9 PROCESSED 11 JUN 85 20:01

C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 85
 2995-176
 CPC-FIGURED NHTSA BARR. STRIKER COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE: 06-11-85
 A-D DATA SAE CLASS 130 (2ND INTEGRAL PASS-SIDE ACCELERATION)



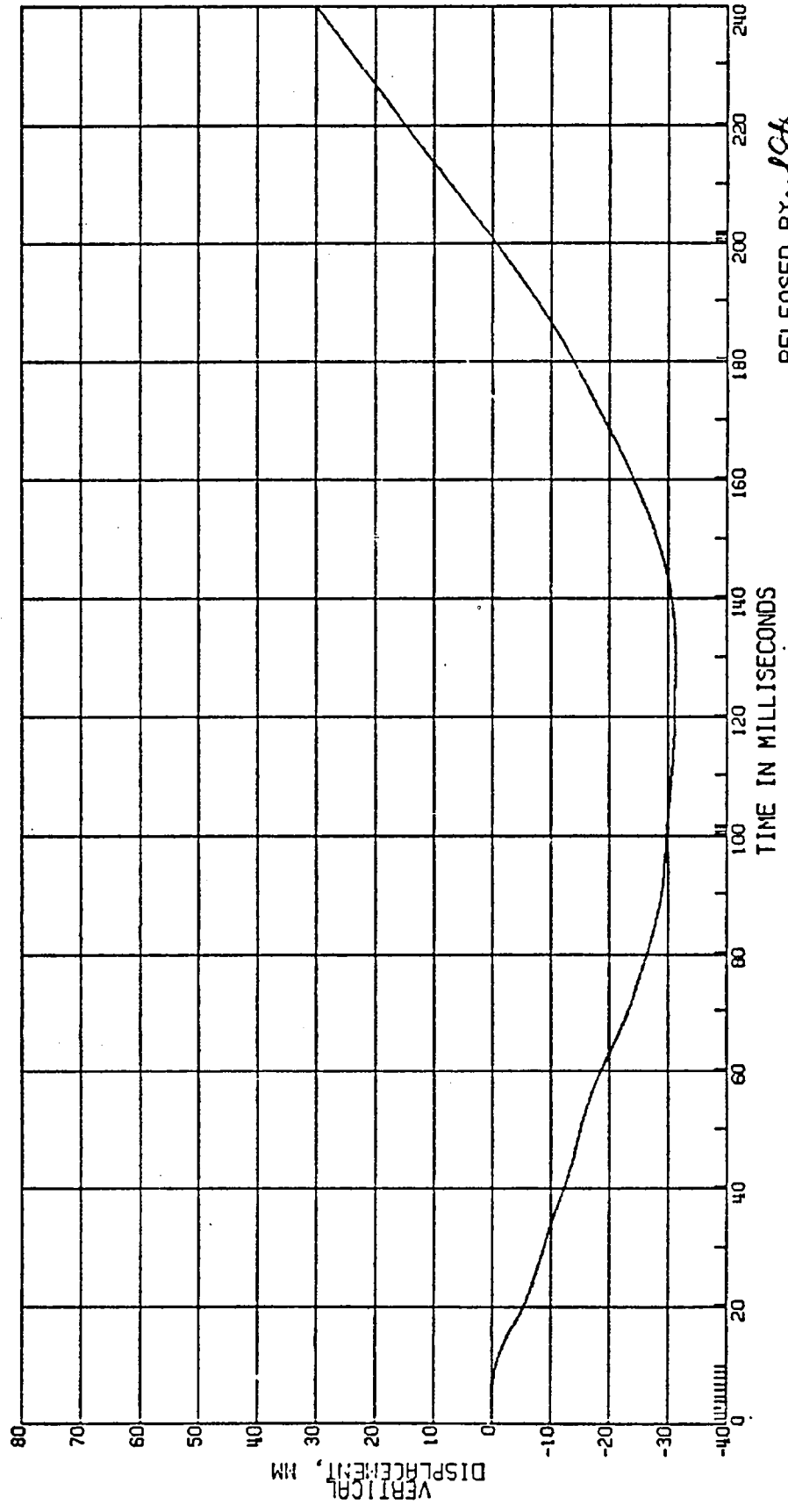
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 12 PROCESSED 11 JUN 85 20101

C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 86
 C695-176
 BAR-FRT STRIKER NATCO BARR-STRIKER COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE:06-11-85
 N-U DATA SAE CLASS 100 (2ND INTEGRAL PASS-SIDE ACCELERATION)



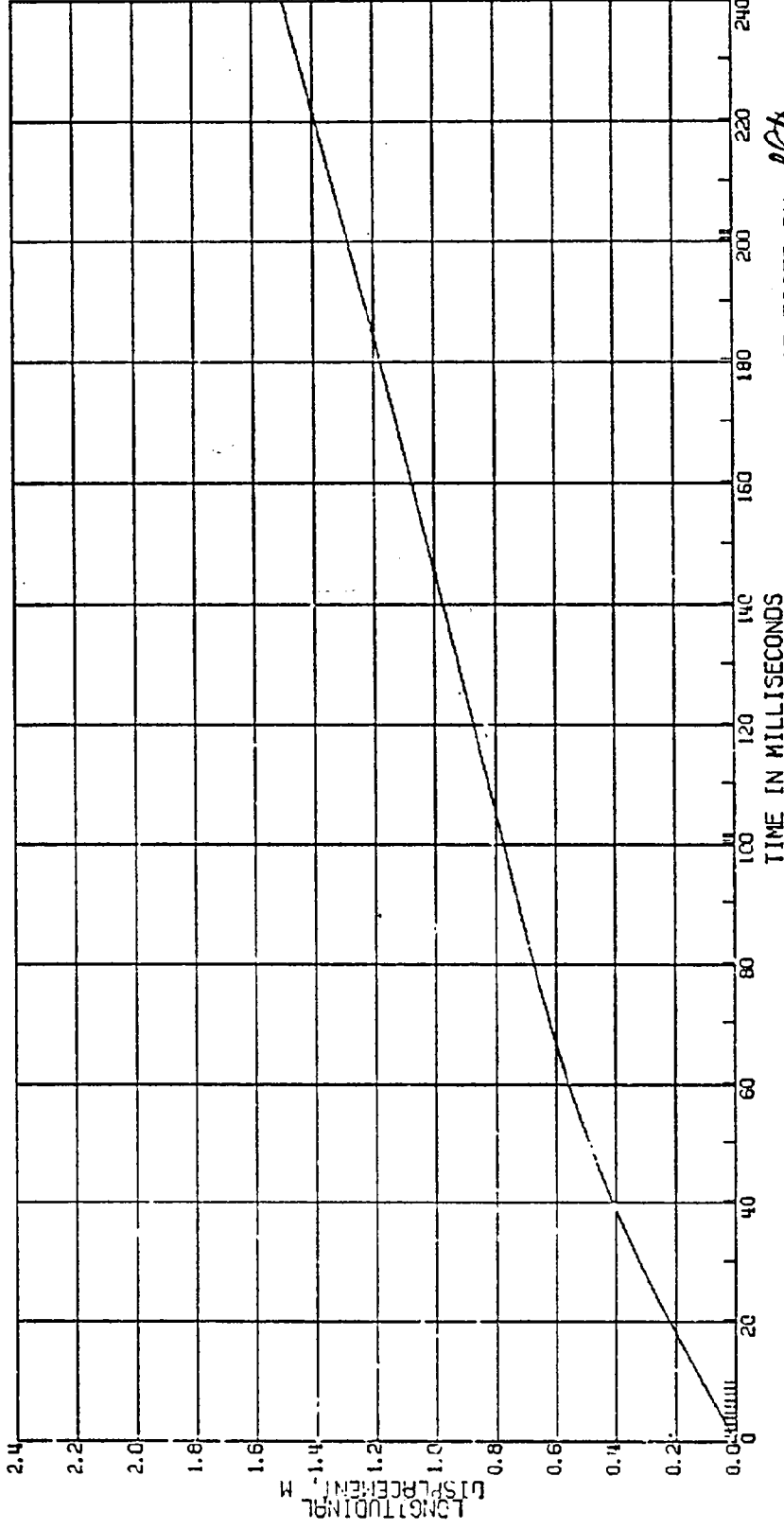
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 15 PROCESSED 11 JUN 85 20:01

C6251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 87
 3065-175
 CPC-FISHER NHTSA DATA STRIKER COMPUTED STRIKING BARR-FRT DISPLACEMENT TEST DATE: 06-11-85
 A-D DATA SRE CLASS 130 (2ND INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: *AKD*
 18 PROCESSED 11 JUN 85 20:02

C6251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 88
 3335-170
 CWC-FORCE NHTA BARR. STRIKER COMPUTED STRIKING BARR-FAT DISPLACEMENT TEST DATE: 06-11-85
 A-D DATA SAE CLASS 100 (2ND INTEGRAL AVERAGED ACCELERATION)



RELEASED BY: *RSB*
 21 PROCESSED 11 JUN 85 20:02

CG251B RIGHT SIDE IMPACT

3065-176

DR-SIDE STRIKING BARR. STRIKER

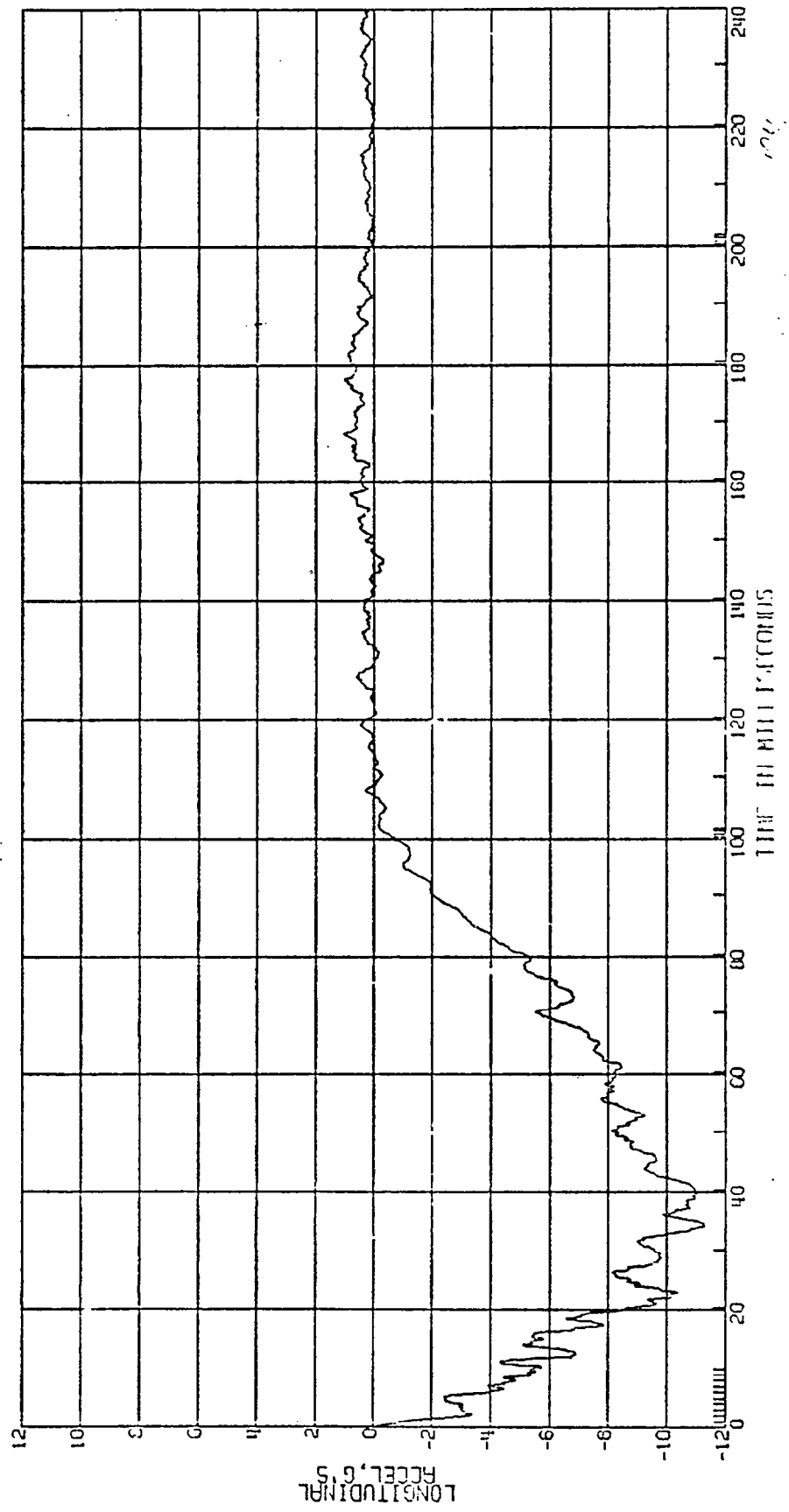
A-D DATA SEE CLASS 6G

MOVING BARRIER TO PARKED VEHICLE

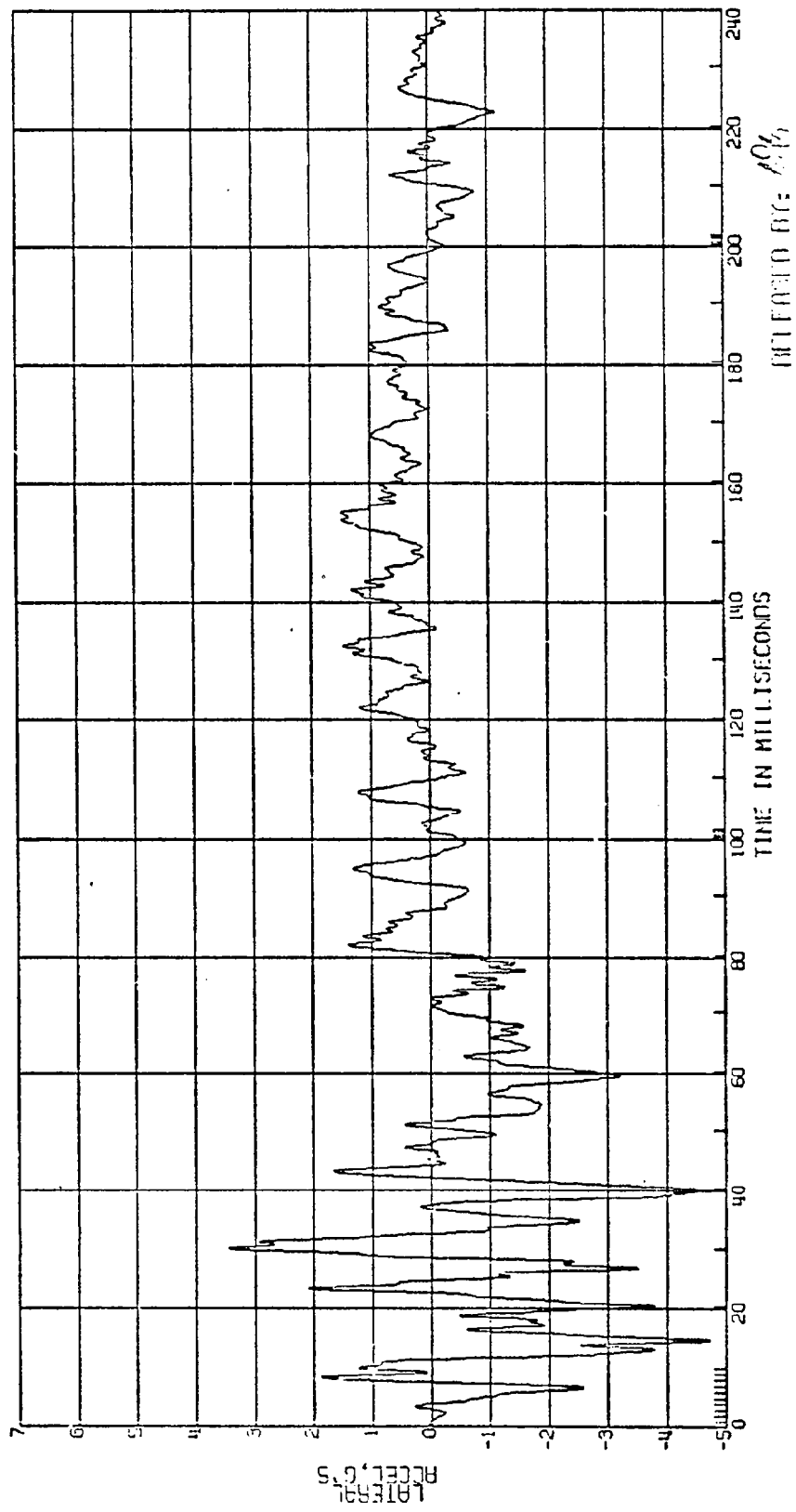
41.2KM/H FIGURE 89

DR-SIDE STRIKING BARR. MID ACCEL.

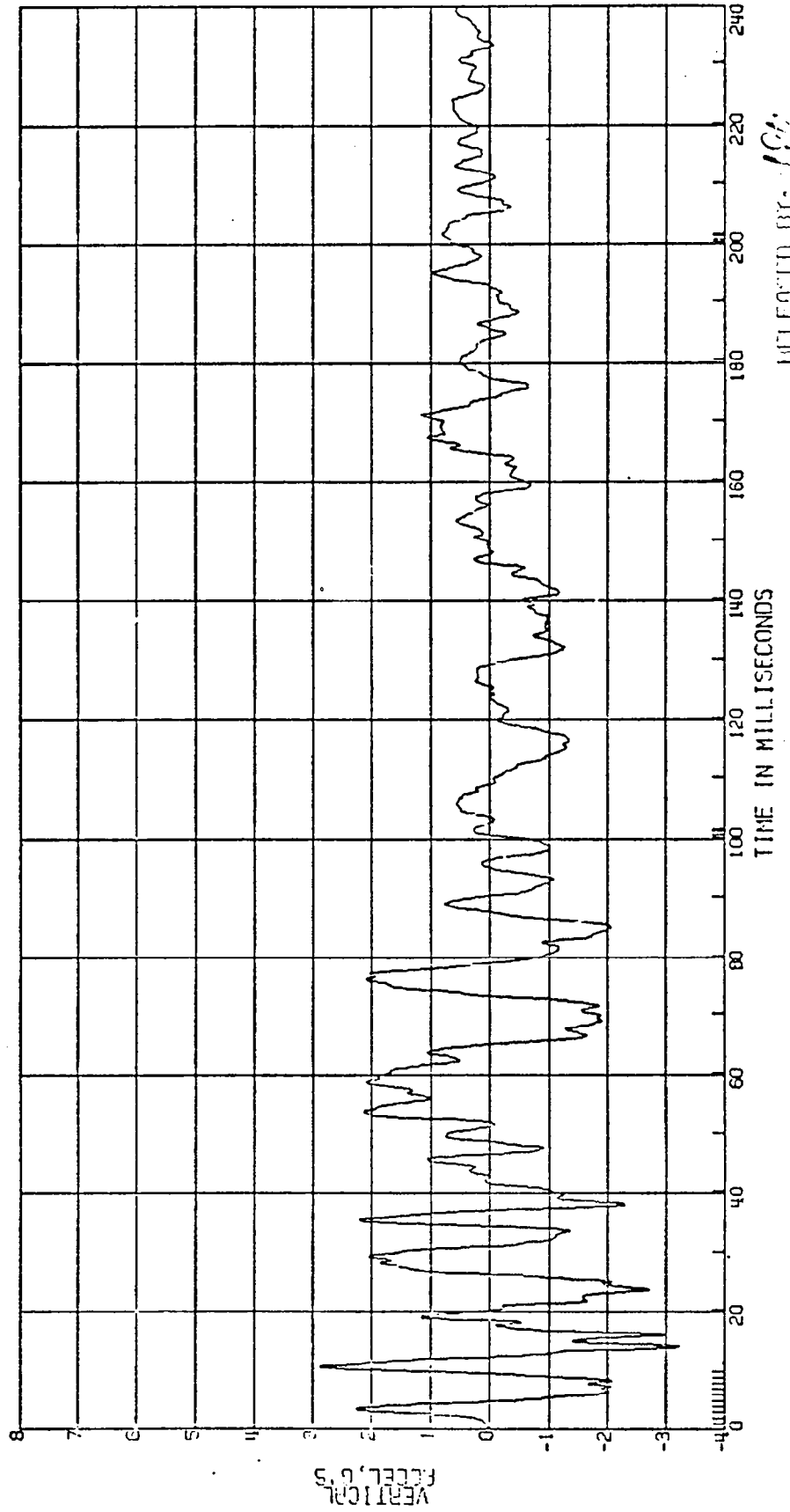
TEST DATE:06-11-85



CC2518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 90
005-173
WISCONSIN DOT DATA STRIKER DF-SIDE STRIKING BARR. MID ACCEL. TEST DATE: 06-11-85
R-D DATA ONE CLASS 00

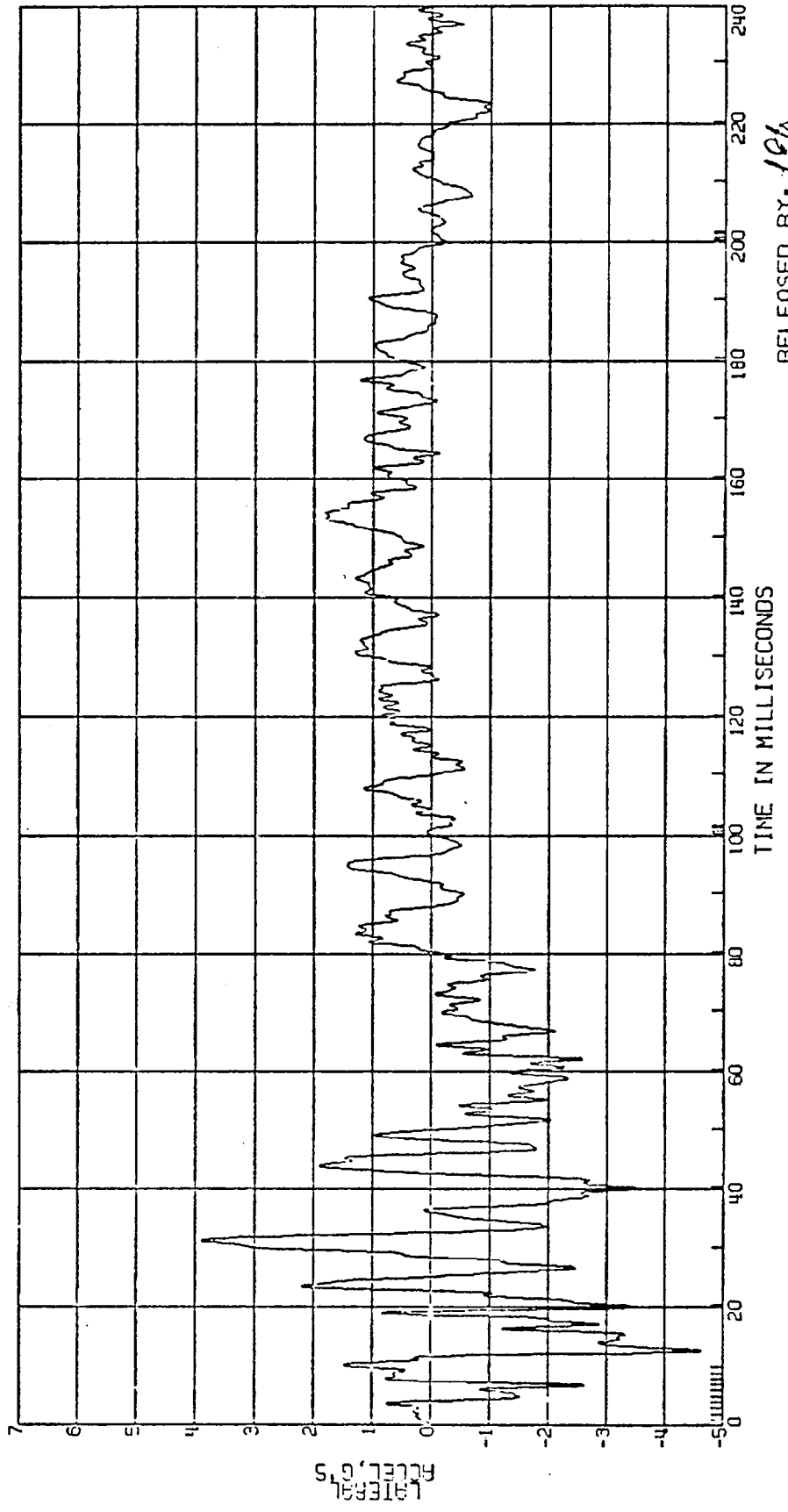


CG2518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 94
TEST DATE: 06-11-85
DR-SIDE STRIKING BARR. MID ACCEL.
A-D DATA SEE CLASS 00



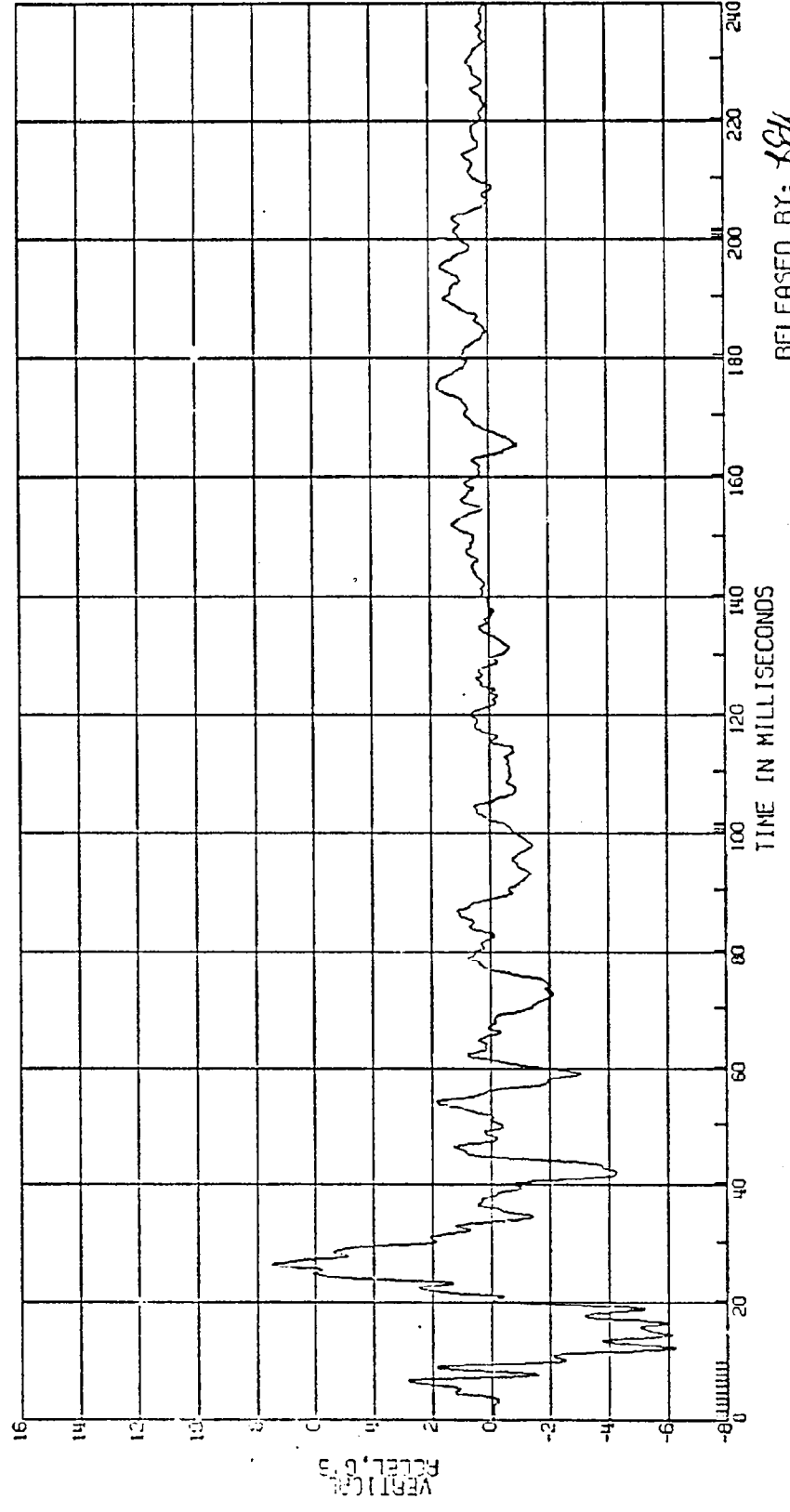
PREPARED BY: JCS

C6251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 93
0005-176
CPC-FIGURE 0010A DATA STRAIKER PASS-SIDE STRIKING BARR. MID ACCEL. TEST DATE: 06-11-85
A-D DATA SAE CLASS 00



RELEASED BY: *184*
ON: 11/11/85

CG2518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 94
 2895-178
 PASS-SIDE STRIKING BARR. MID ACCEL. TEST DATE: 06-11-85
 R-0 DATA ONE CLASS 00



RELEASED BY: *184*
 37 06-11-85 00:00

RESEARCH REPORT NO. 95

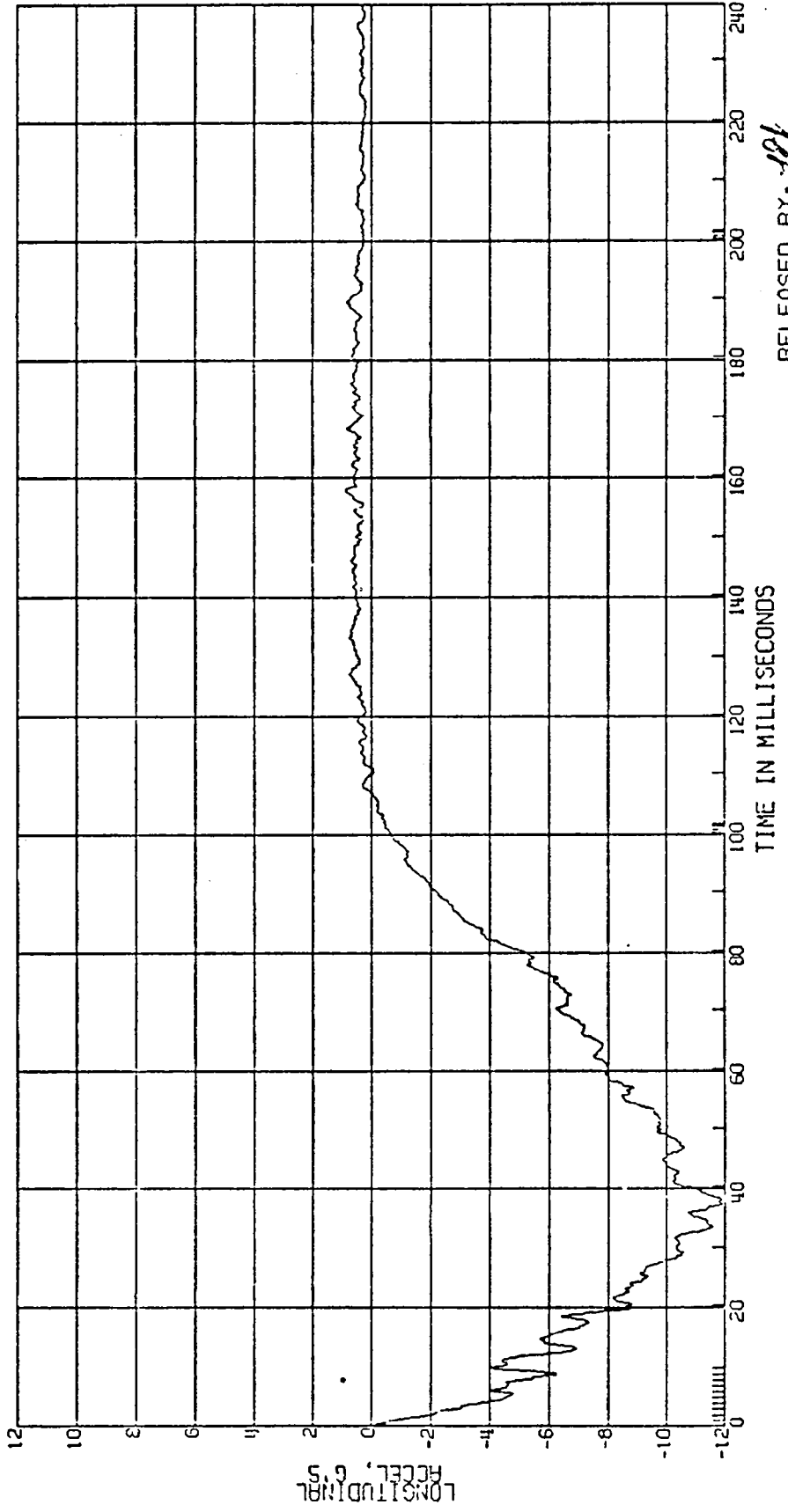
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A-D DATA SAE CLASS CC

AVERAGED DRIVER & PASSENGER SIDES

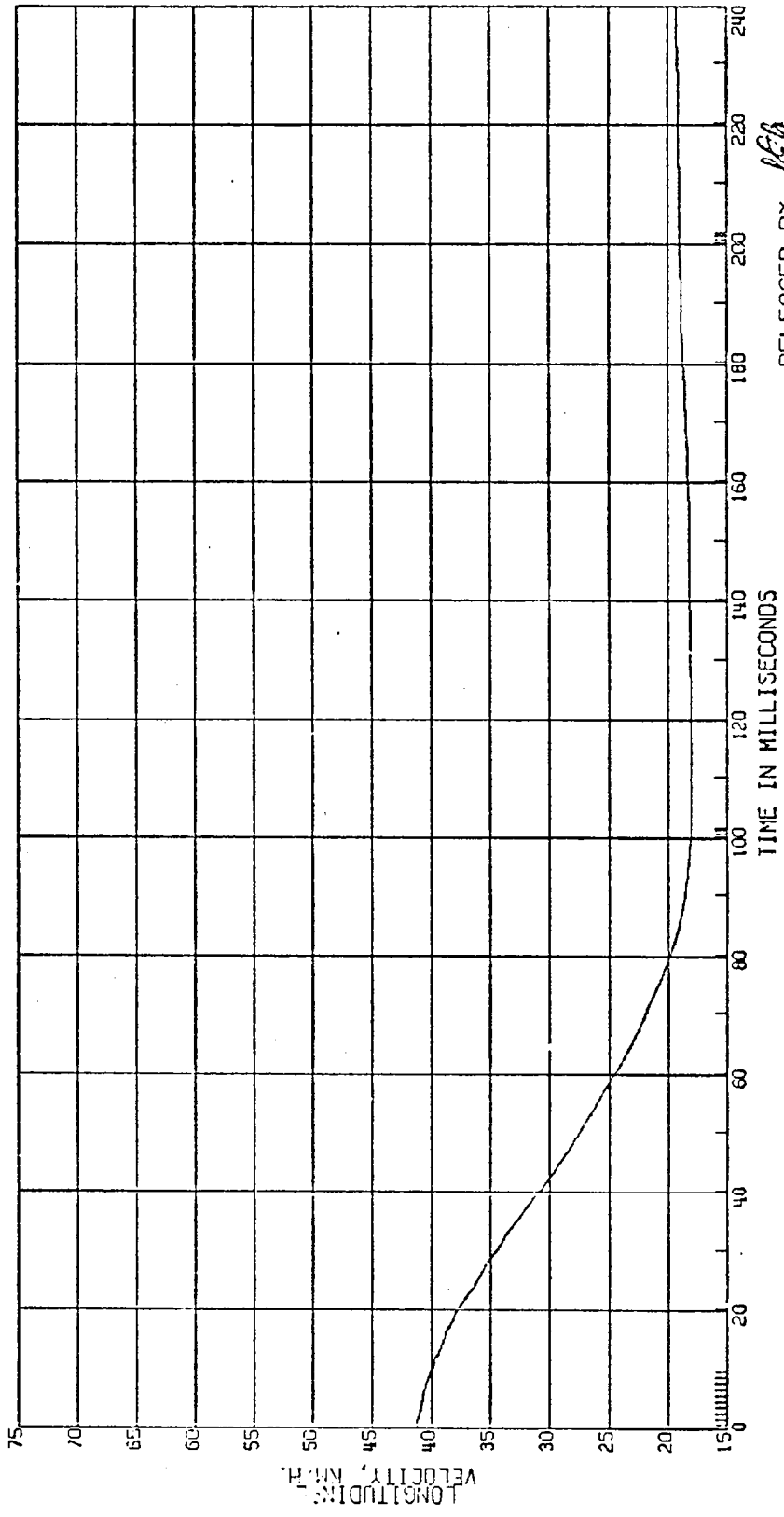
AVERAGED STRIKING BARR-MID ACCEL

TEST DATE: 06-11-85



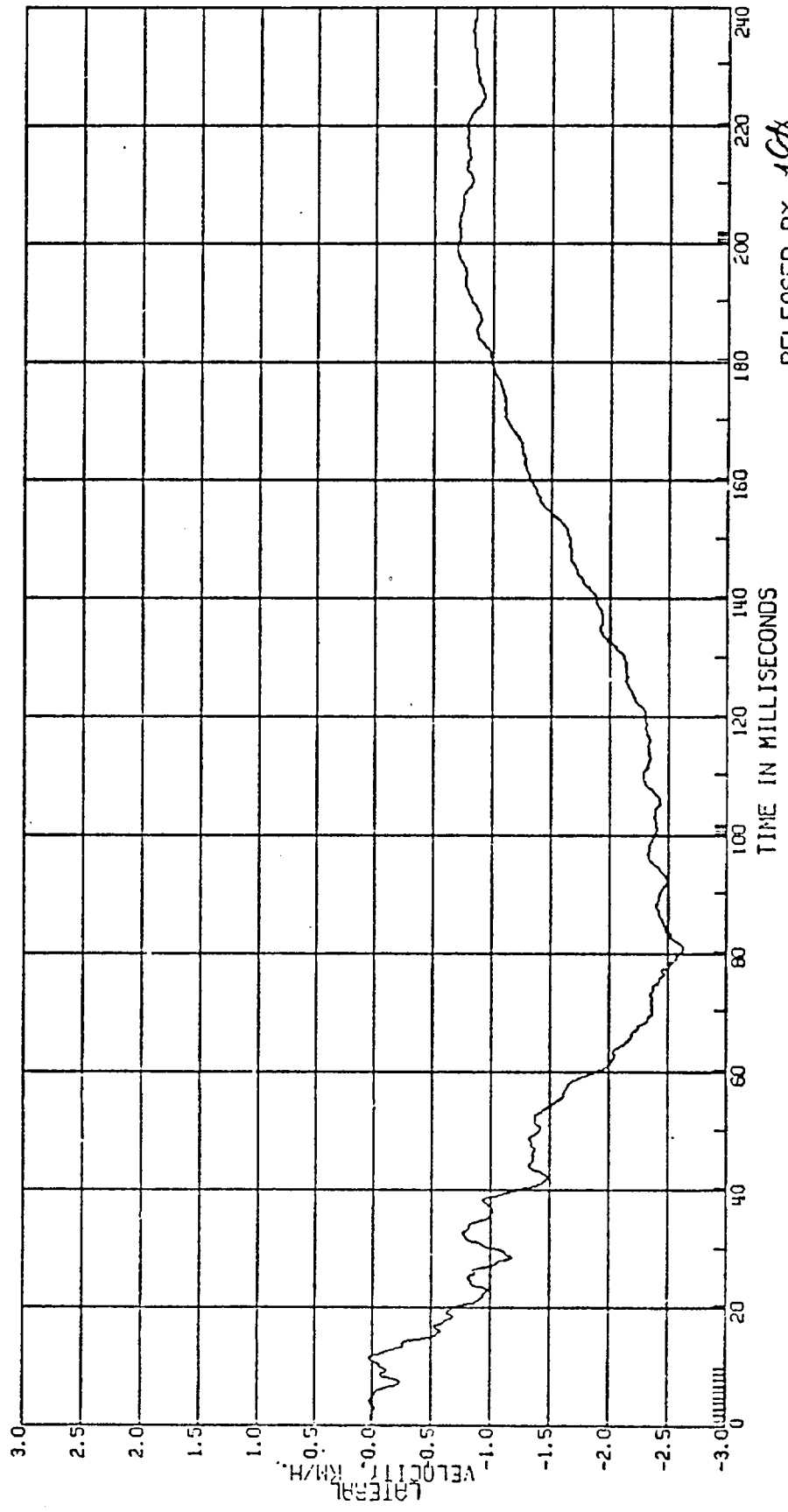
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40 PHOTO 11 IN 85 20104

CC2518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 9b
 3095-176
 SPECIFICATION WITH BARR-STRIKER COMPUTED STRIKING BARR-MID VELOCITY TEST DATE: 06-11-85
 A-D DATA SAE CLASS 100 (1ST INTEGRAL DR-SIDE ACCELERATION)



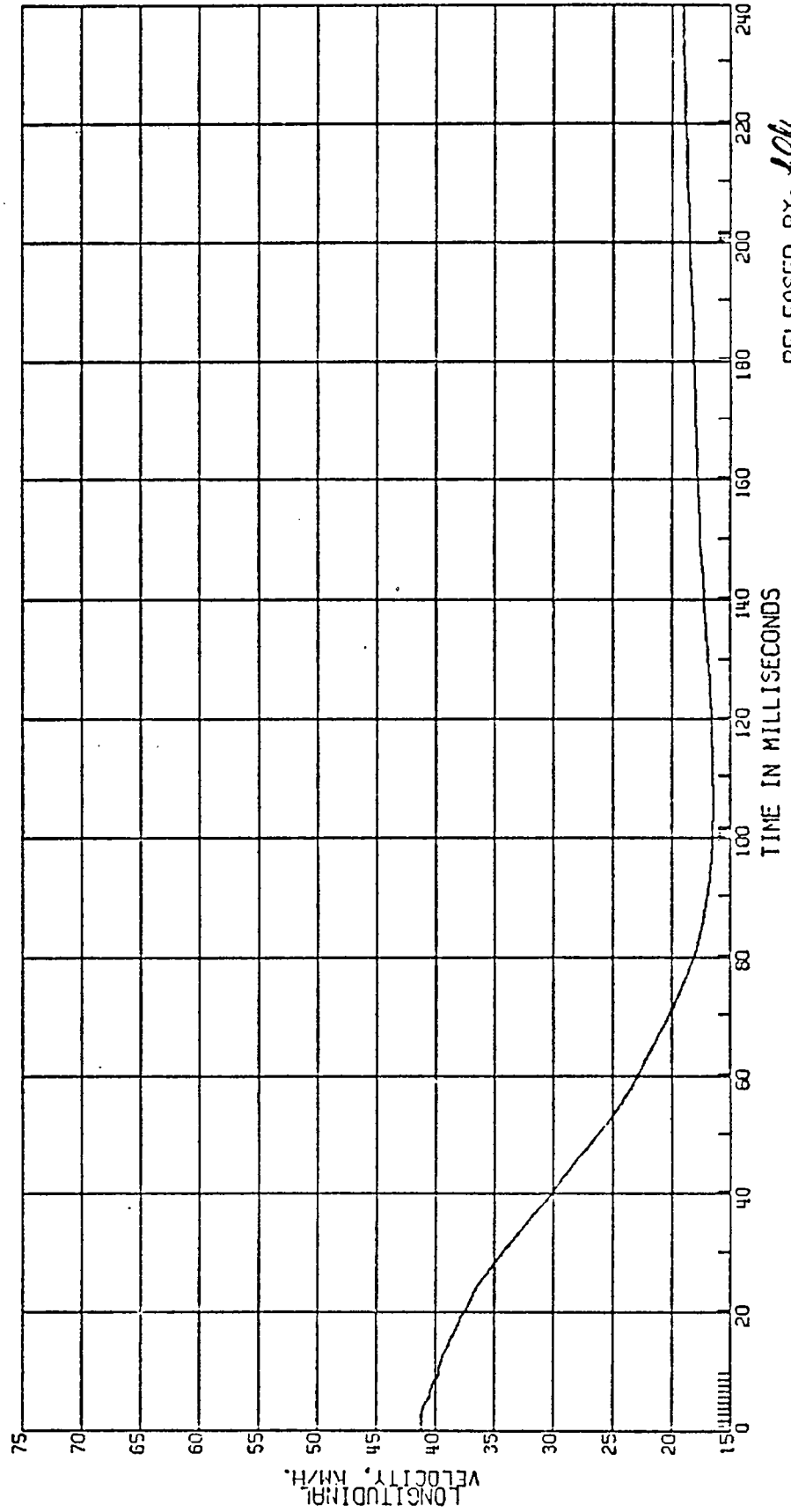
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C6251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 97
3035-176
CPC-FISHER NITCO DATA STRIKER COMPUTED STRIKING BARR-MID VELOCITY TEST DATE:06-11-85
A-D DATA SEE CLASS 100 (1ST INTEGRAL DR-SIDE ACCELERATION)



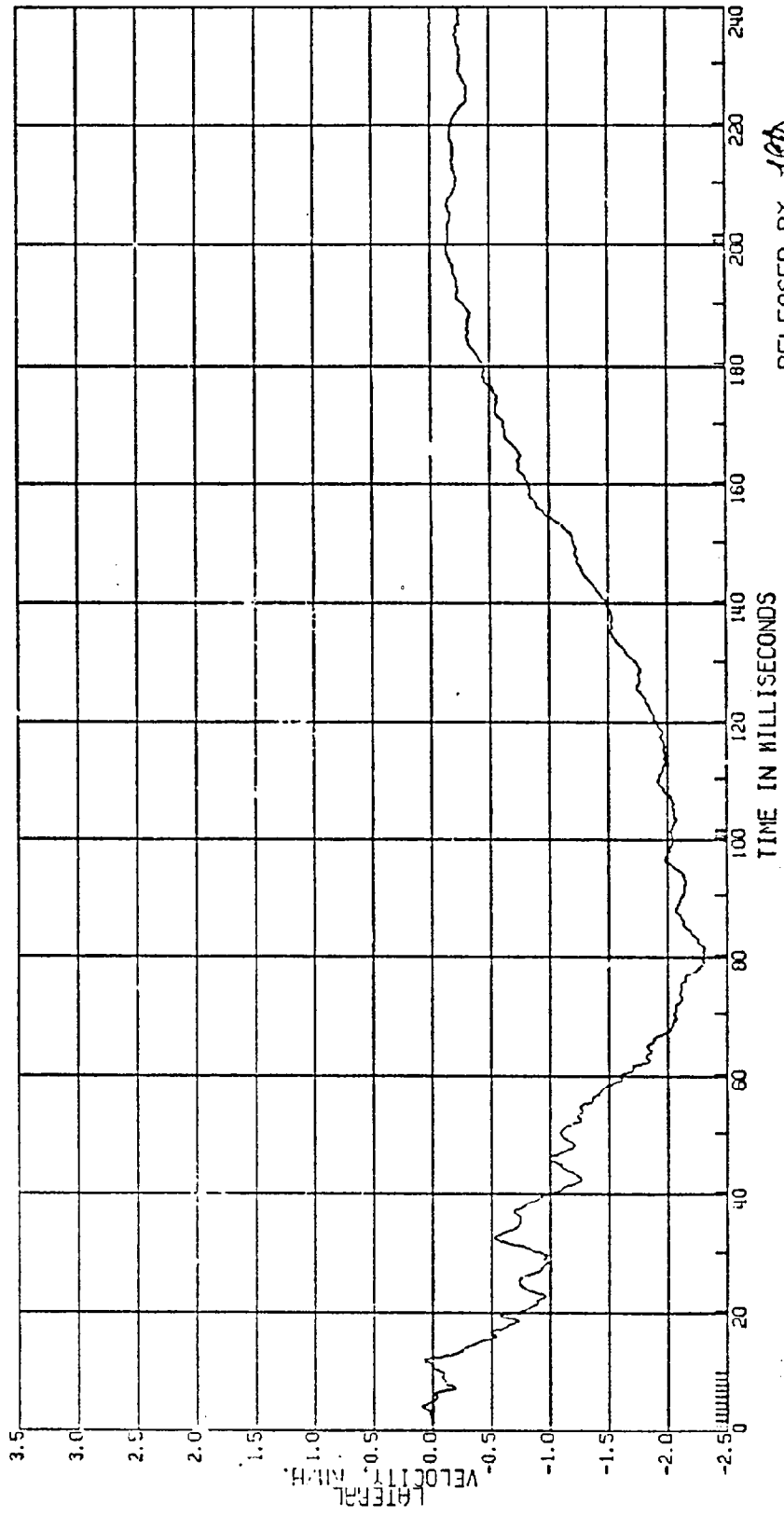
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26 PROCESSED 11 JUN 85 20102

C0251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 99
 0005-173
 CPC-FIGURE NUMBER DATA STRIKER COMPUTED STRIKING BARR-MID VELOCITY TEST DATE: 06-11-85
 A-R DATA SEE CLASS 100 (1ST INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: *AR*
 32 PROCESSED 11 JUN 85 20:03

C6251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 100
SC55-173
CPC-FISHEN NATION DATA STRAIKER COMPUTED STRIKING BARR-MID VELOCITY TEST DATE: 06-11-85
A-0 DATA SAE CLASS 100 (1ST INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: *[Signature]*
35 PROCESSED 11 JUN 85 20:03

CG251B RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 101

CG-5-173

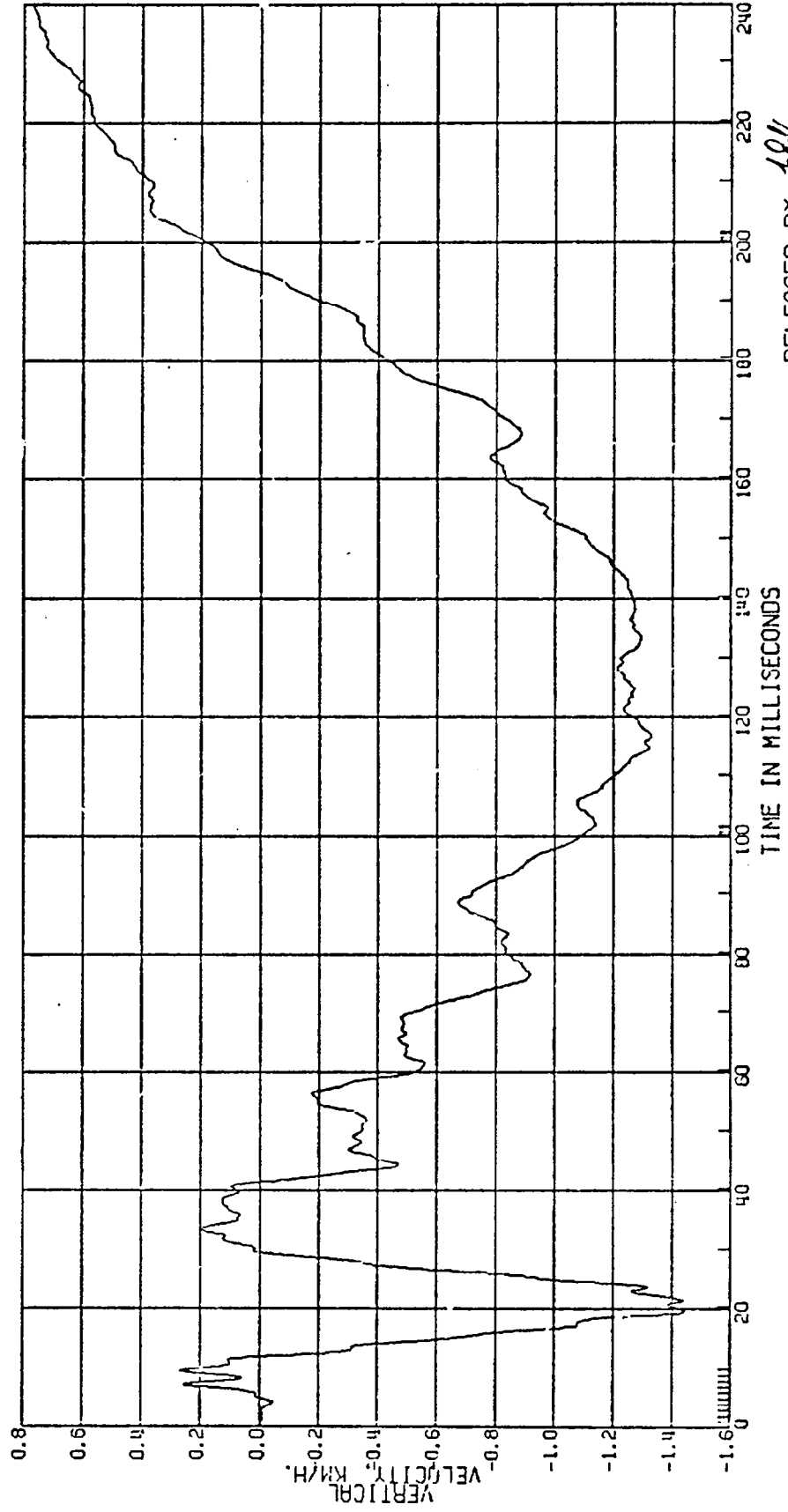
CPC-FISHER NHTSA CAB. STRIKER

COMPUTED STRIKING BARR-MID VELOCITY

TEST DATE:06-11-65

A-D DATA SRE CLASS 100

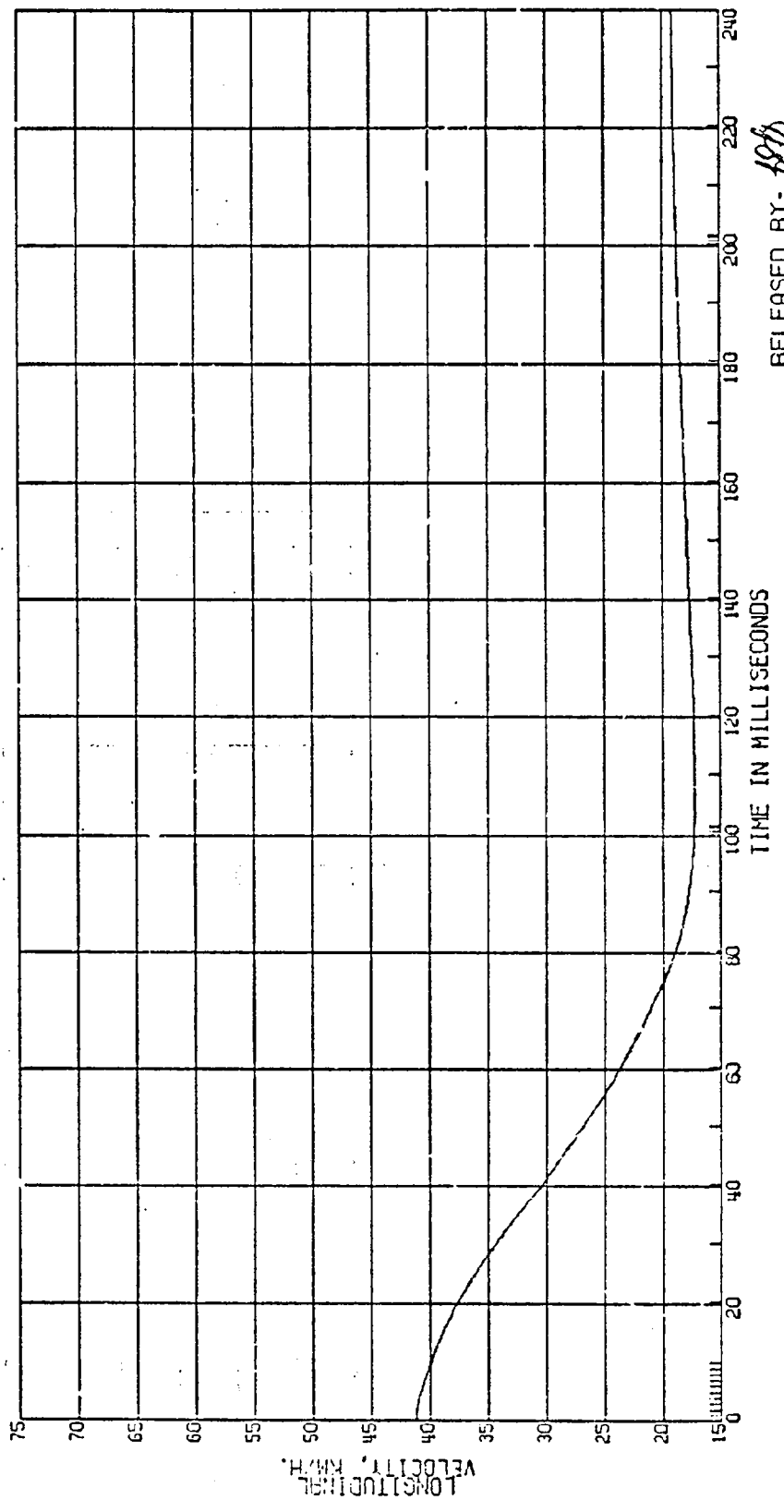
(1ST INTEGRAL PASS-SIDE ACCELERATION)



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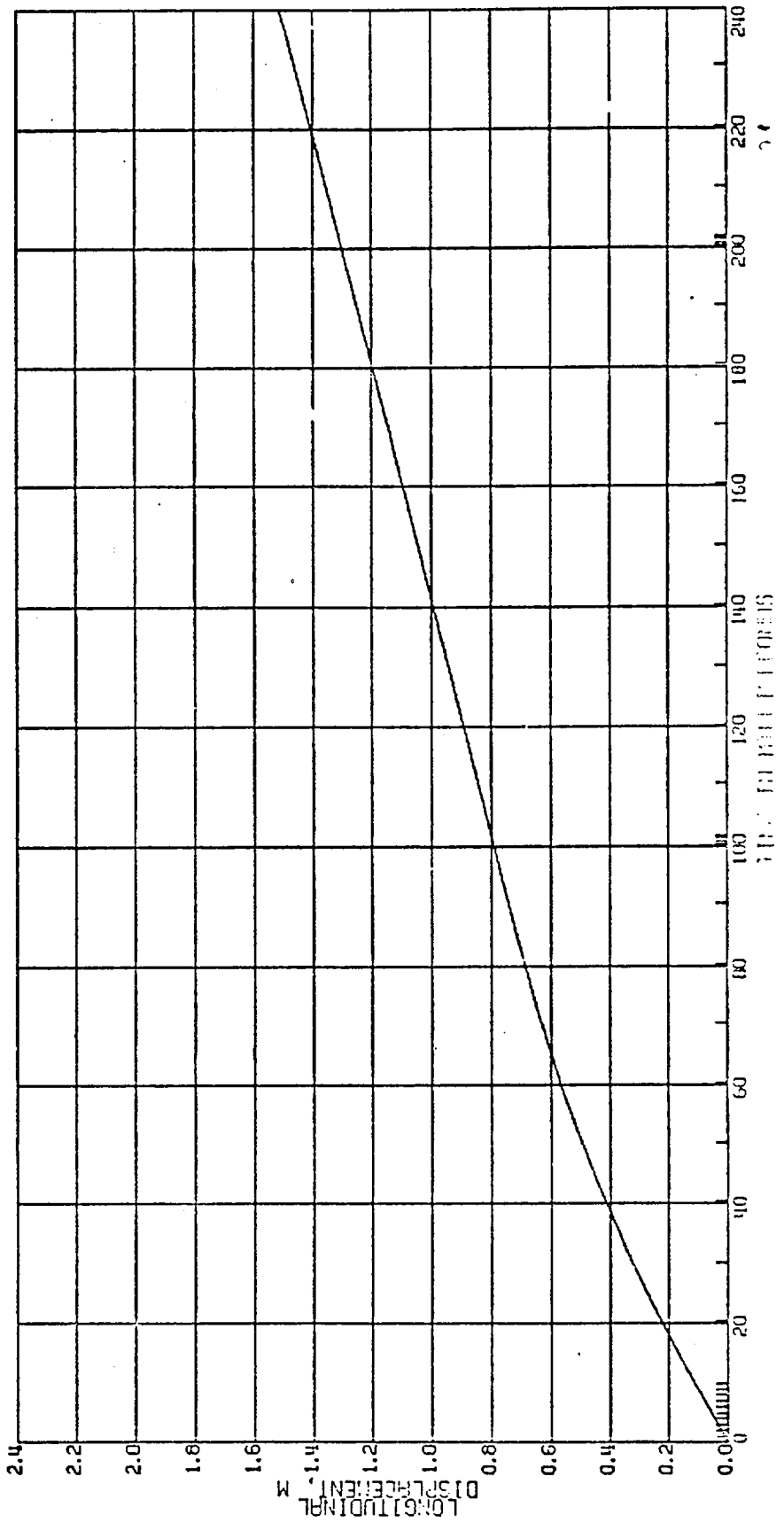
38 PROCESSED 11 JUN 65 20:03

CP2510 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 102
 5035-176
 CPC-FISHEN NHTSA BARR. STRIKER COMPUTED STRIKING BARR-MID VELOCITY TEST DATE: 06-11-85
 A-D DATA SAE CLASS 100 (1ST INTEGRAL AVERAGED ACCELERATION)

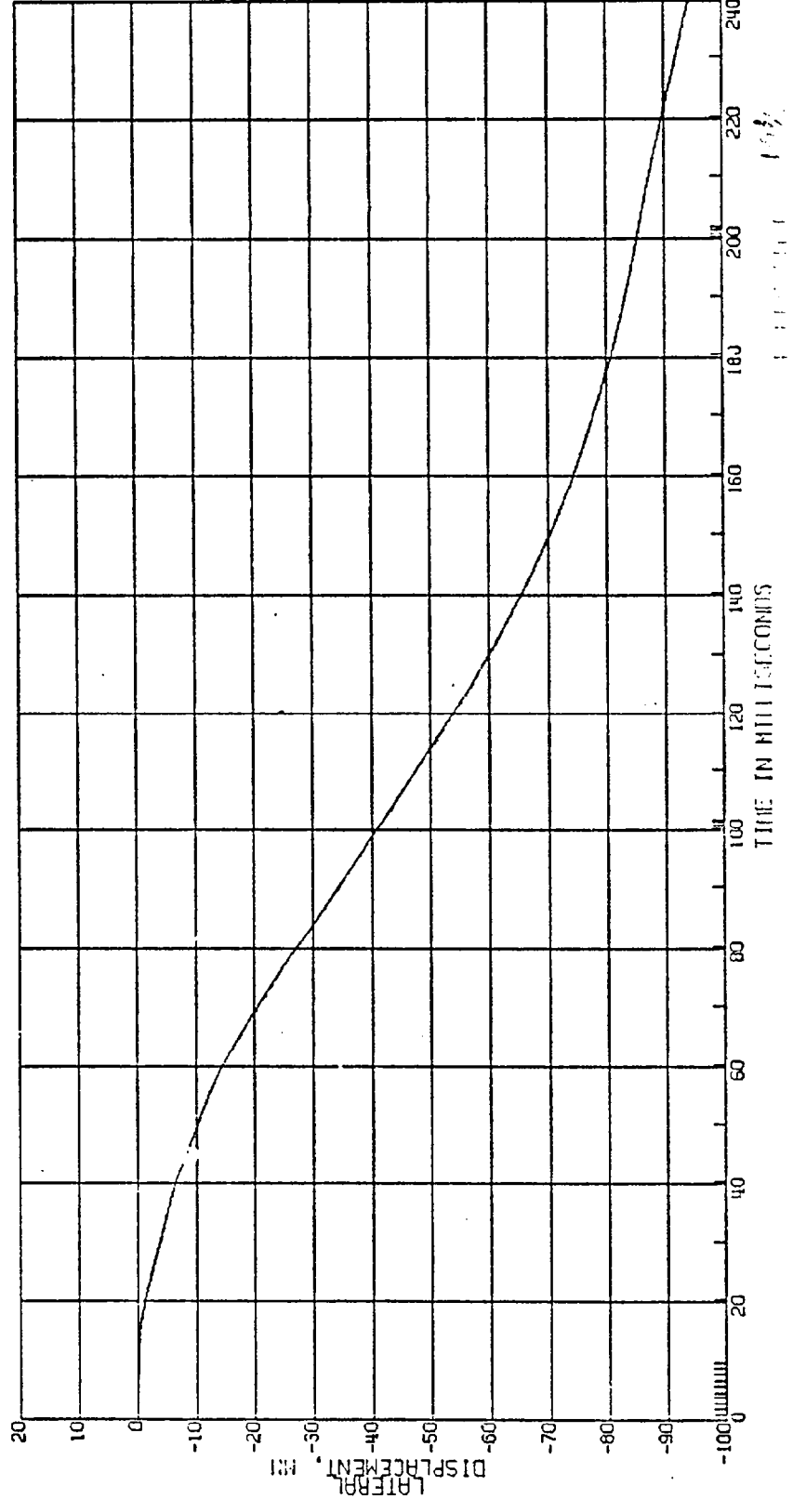


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 41 PROCESSED 11 JAN 85 20:04

C6251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 103
 3065-175
 CPC-FISHER NHTSA BARR. STRIKER COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 06-11-85
 R-D DATA SAE CLASS 100 (2ND INTEGRAL DR-SIDE ACCELERATION)

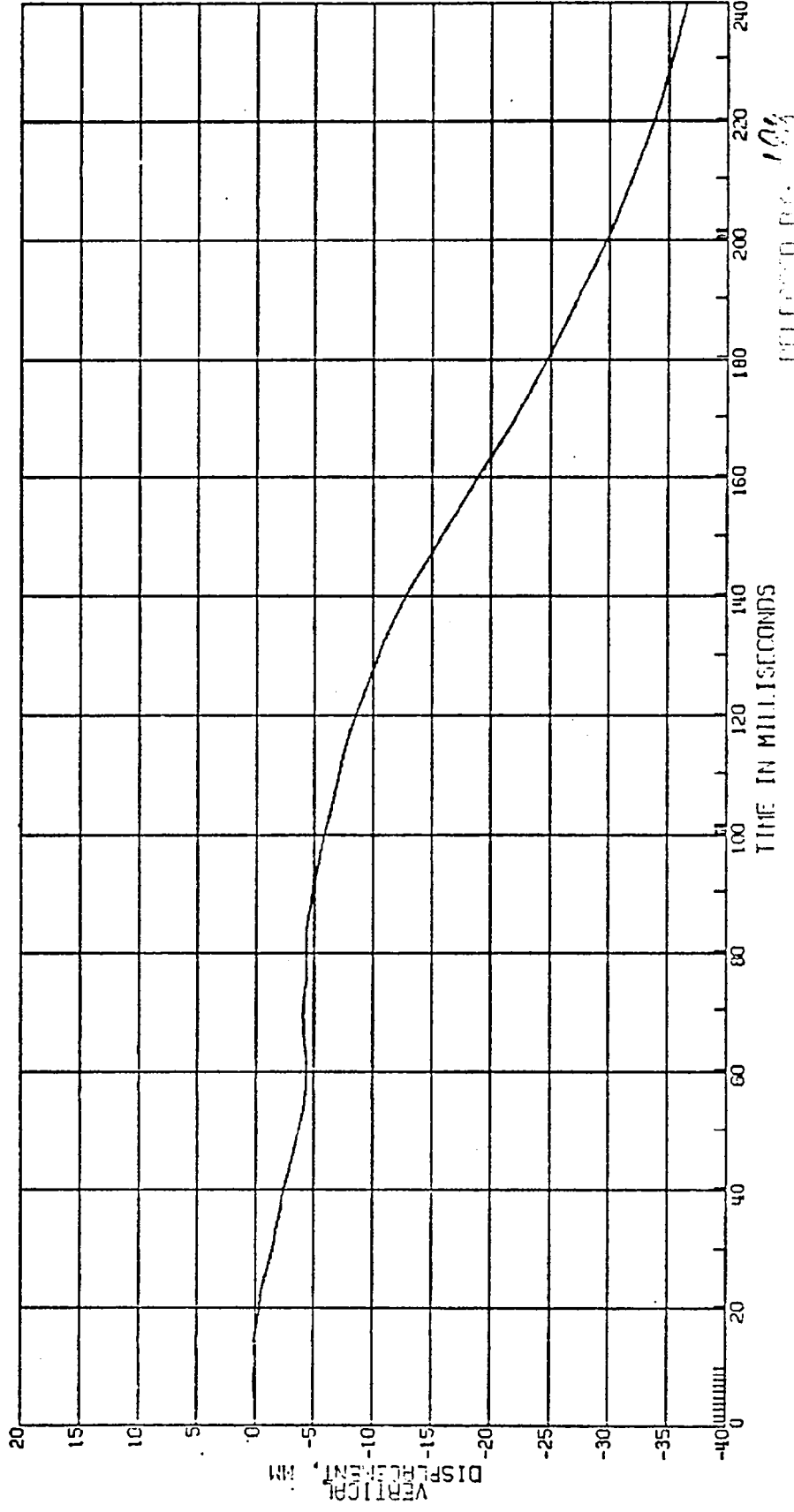


CG2518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 104
 1985-170
 ONE-POSITION NATCHA DEER-STRIKER COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 06-11-85
 A-D DATA SAE CLASS 130 (2ND INTEGRAL DR-SIDE ACCELERATION)



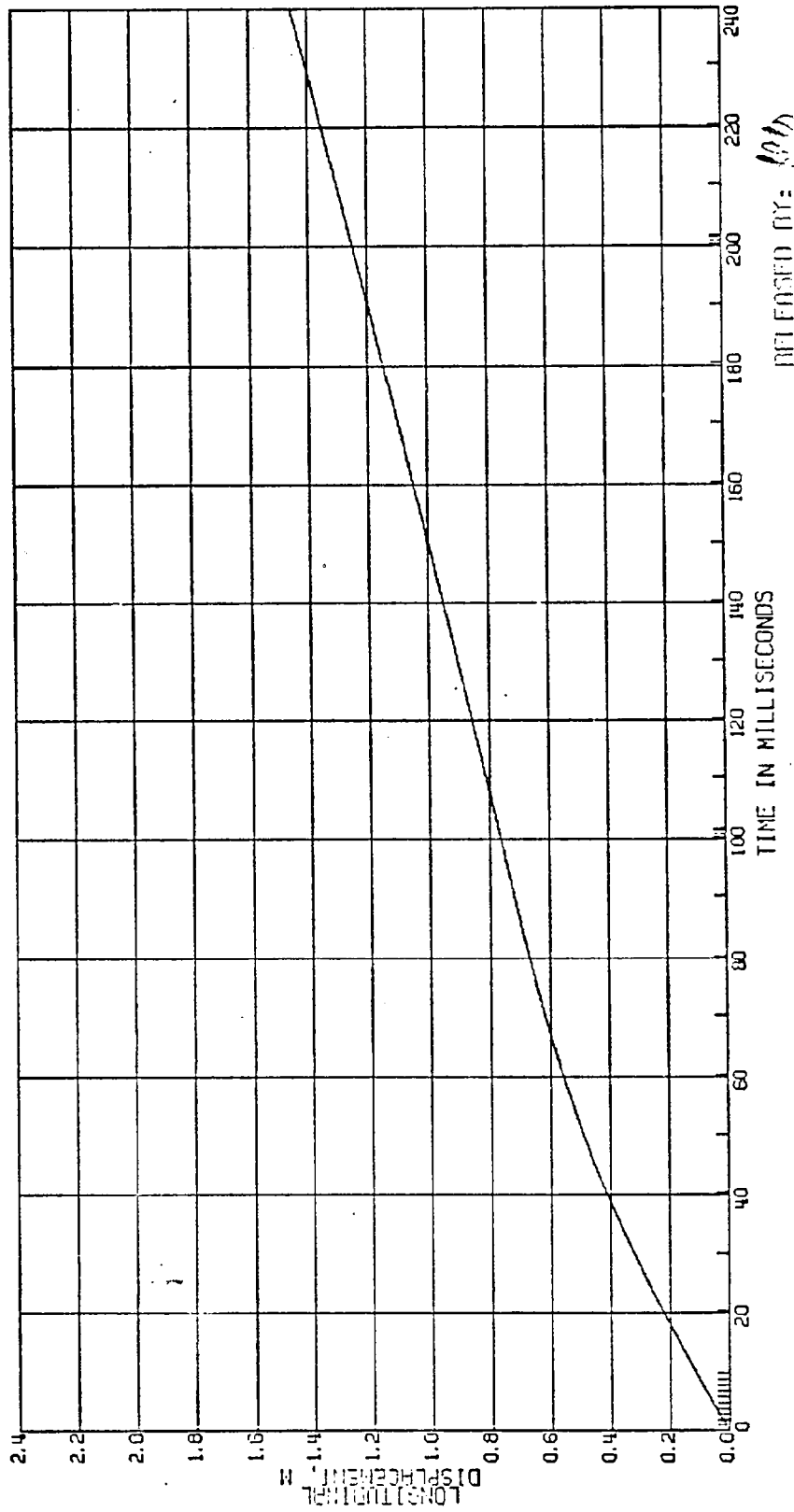
MOVING DRIVER TO PARKED VEHICLE WILSON/8 FIGURE 105

CPC-FISHER VIDEO DATA STRIKER COMPUTED STRIKING BARR-MID DISPLACEMENT
A-D DATA SRE CLASS 100 (2ND INTEGRAL DR-SIDE ACCELERATION) TEST DATE: 06-11-65



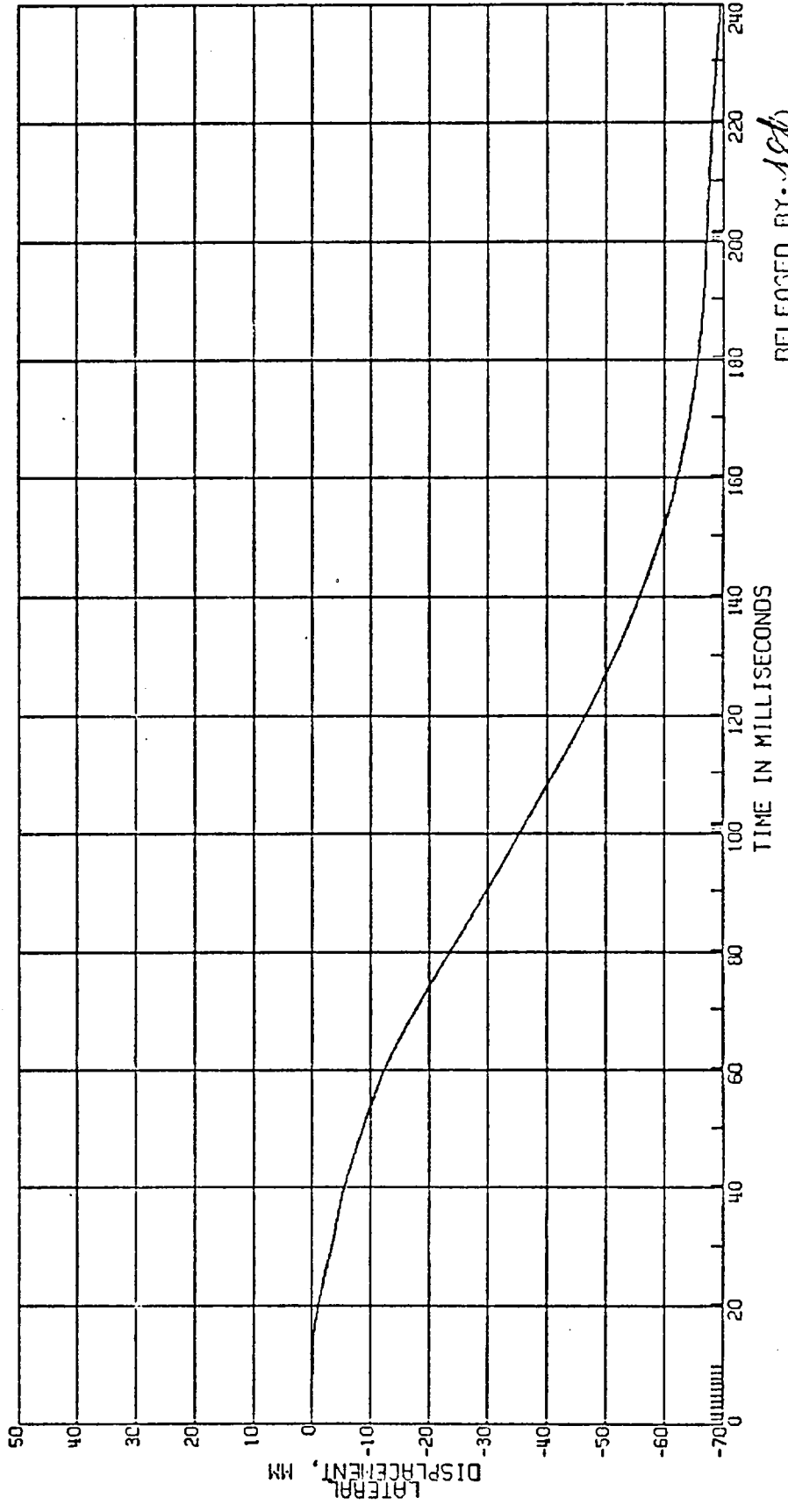
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C62518 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 106
 CPC-FIRED MATRA BARR. STRIKER COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 06-11-85
 A-D DATA SAE CLASS 100 (2ND INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: 107h

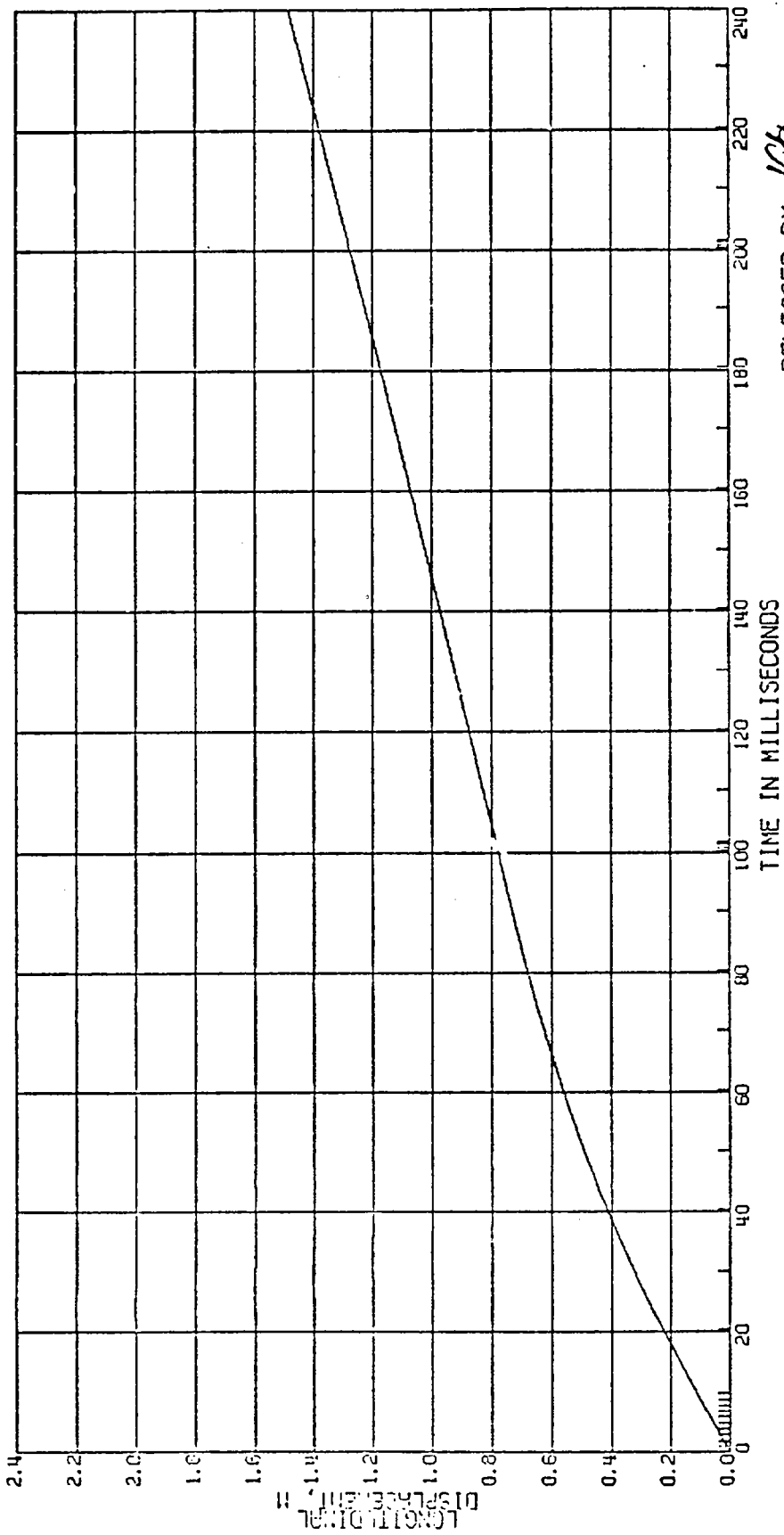
06251B RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2 KM/H FIGURE 107
3085-176
UPC-FIGURE: NHTSA BARR. STRIKER COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 06-11-85
A-D DATA SAE CLASS 100 (2ND INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: 186

REVIEWS SHOWN FOR REPAIRED VEHICLE SEE V/R # 109

CPC-FISHER 2001 BARR-STRIKER COMPUTED STRIKING BARR-MID DISPLACEMENT TEST DATE: 06-11-85
A-D DATA (SEE CLASS 100) (2ND INTEGRAL AVERAGED ACCELERATION)



RELEASED BY: *109*
42 PROCESSED 11 JUN 85 20104

MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 110

C6251 RIGHT SIDE IMPACT

2365-176

FRONT BODY CPC NHTSA BARRIER

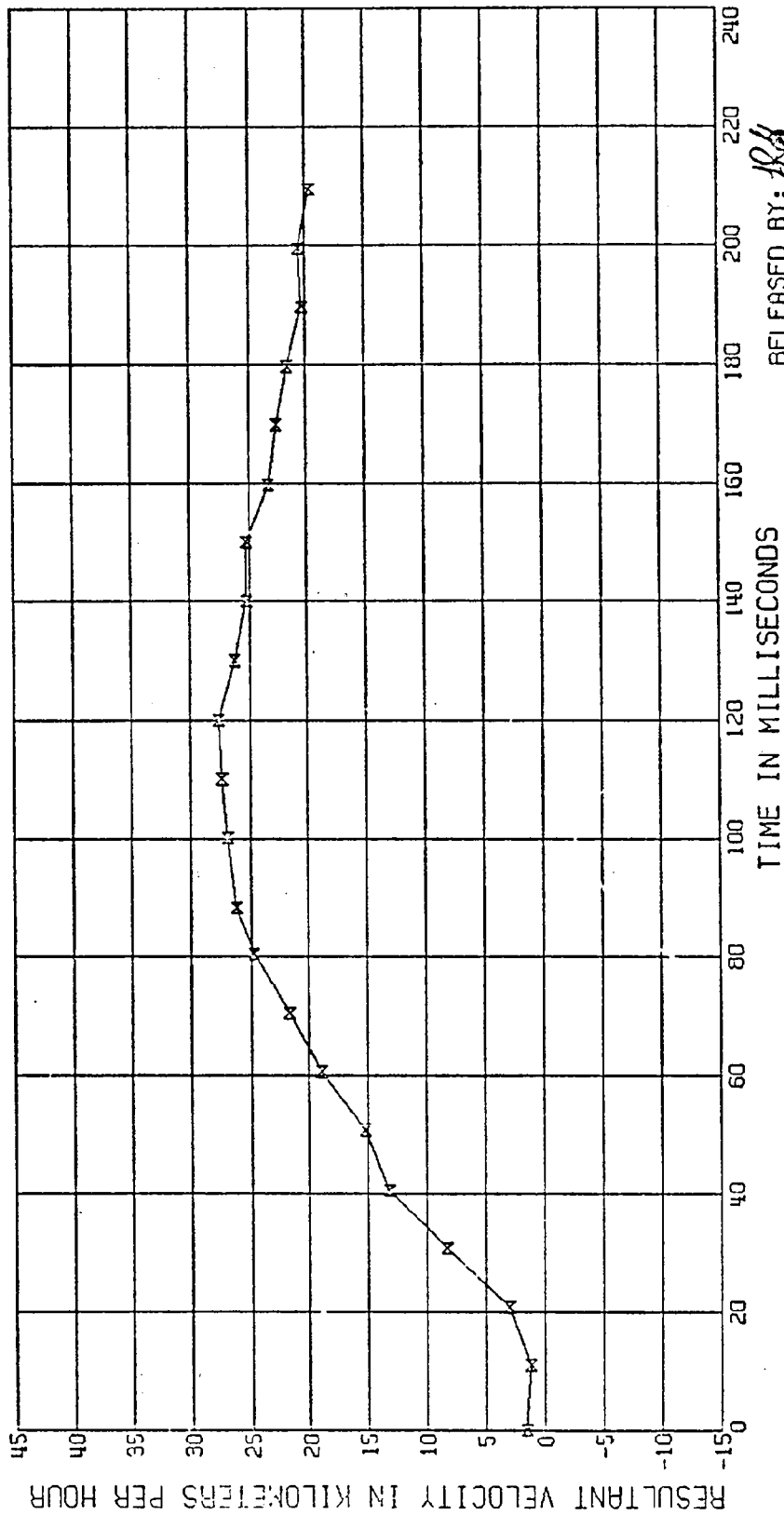
Film DATA

OVERHEAD VIEW

TEST DATE:06-11-85

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

STRUCK VEH TARGET RELATIVE TO GROUND REFERENCE



RELEASED BY: *AK*
11 APR 2015 15:11:02

C6251 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 111

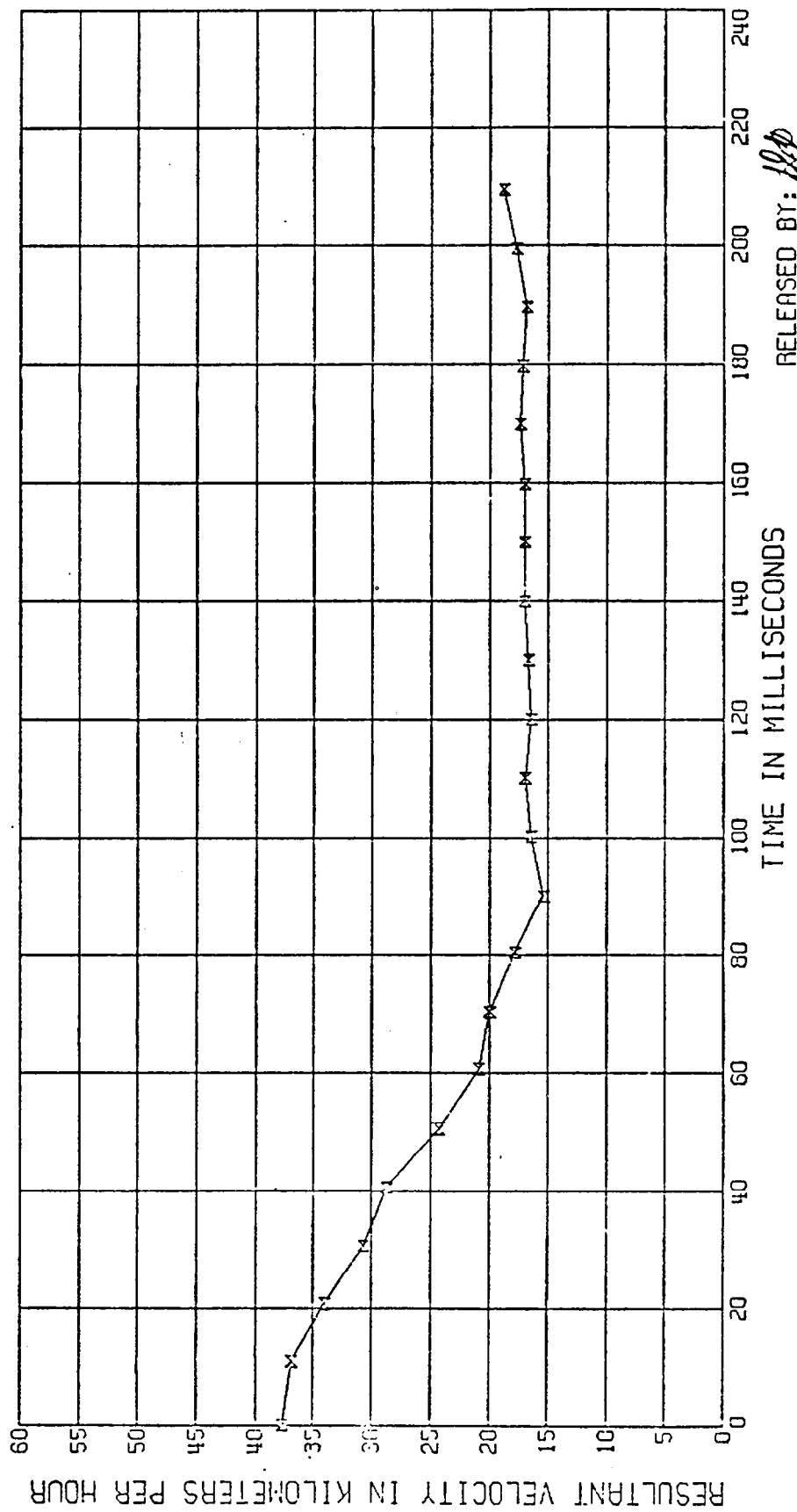
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TEST DATE: 06-11-85

OVERHEAD VIEW

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

NHTSA BARRIER TARGET RELATIVE TO GROUND REFERENCE



RELEASED BY: *[Signature]*
3 PROCESSED 13 JUN 85 23:02

V

CG251 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 112

3305-176

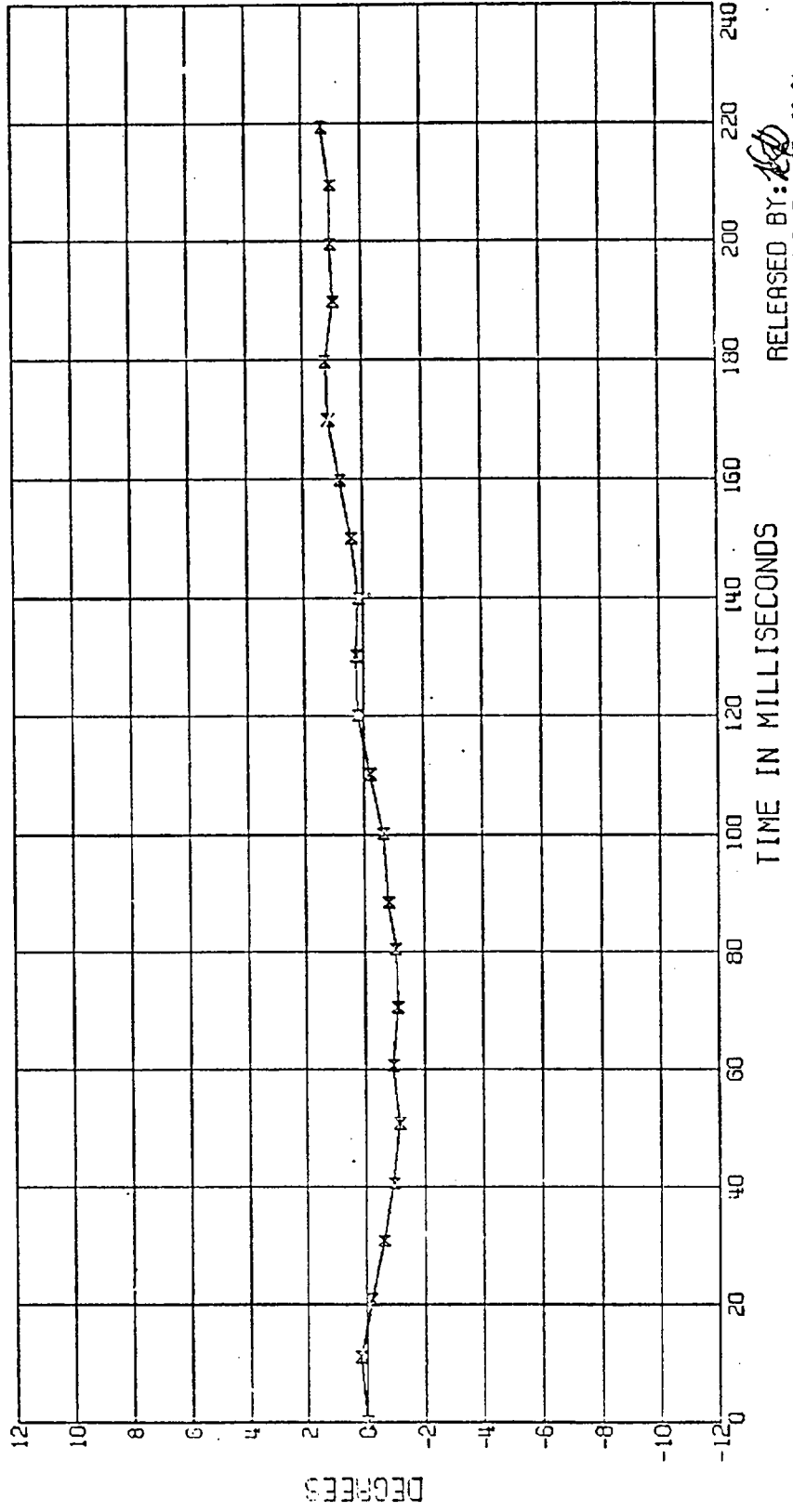
FURNED BODY CPC NHTSA BARRIER

FILM DATA

OVERHEAD VIEW

TEST DATE:06-11-85

STRUCK VEH YAW RELATIVE TO GROUND REFERENCE



RELEASED BY: *AKD*
5 PROCESSED 15 JUN 85 08:01

C6251 RIGHT SIDE IMPACT
FILM DATA

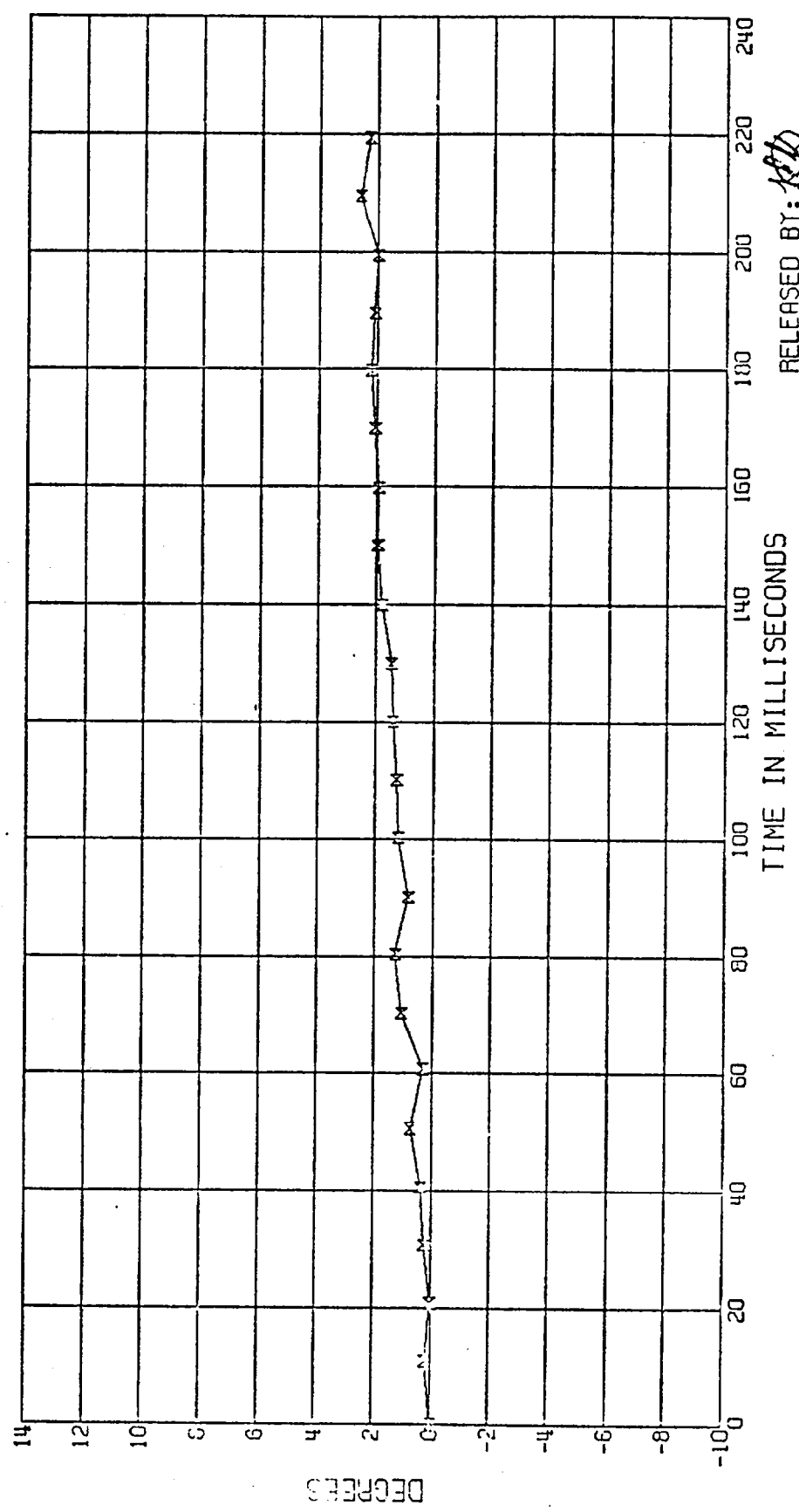
MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 113

RECORDED BY CPC NHTSA
FILM DATA

OVERHEAD VIEW

TEST DATE: 06-11-85

NHTSA BARRIER YAW RELATIVE TO GROUND REFERENCE



RELEASED BY: *[Signature]*
7 PROCESSED 13 JUN 85 23:02

C6251 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 114

3865-176

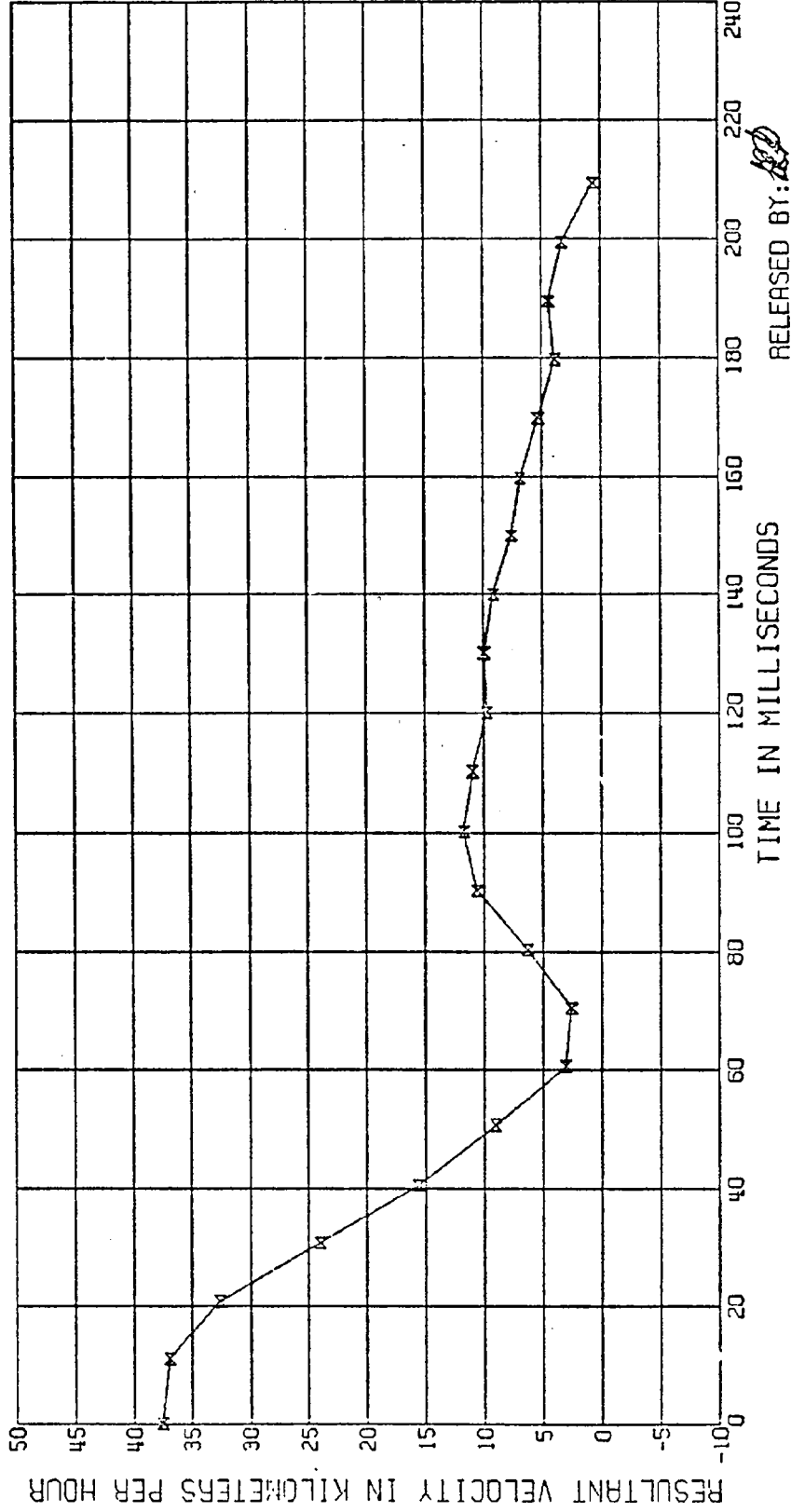
FISHER BODY CPC NHTSA BARRIER
FILM DATA

OVERHEAD VIEW

TEST DATE: 06-11-85

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

STRUCK VEHICLE RELATIVE TO STRIKING VEH DISPL



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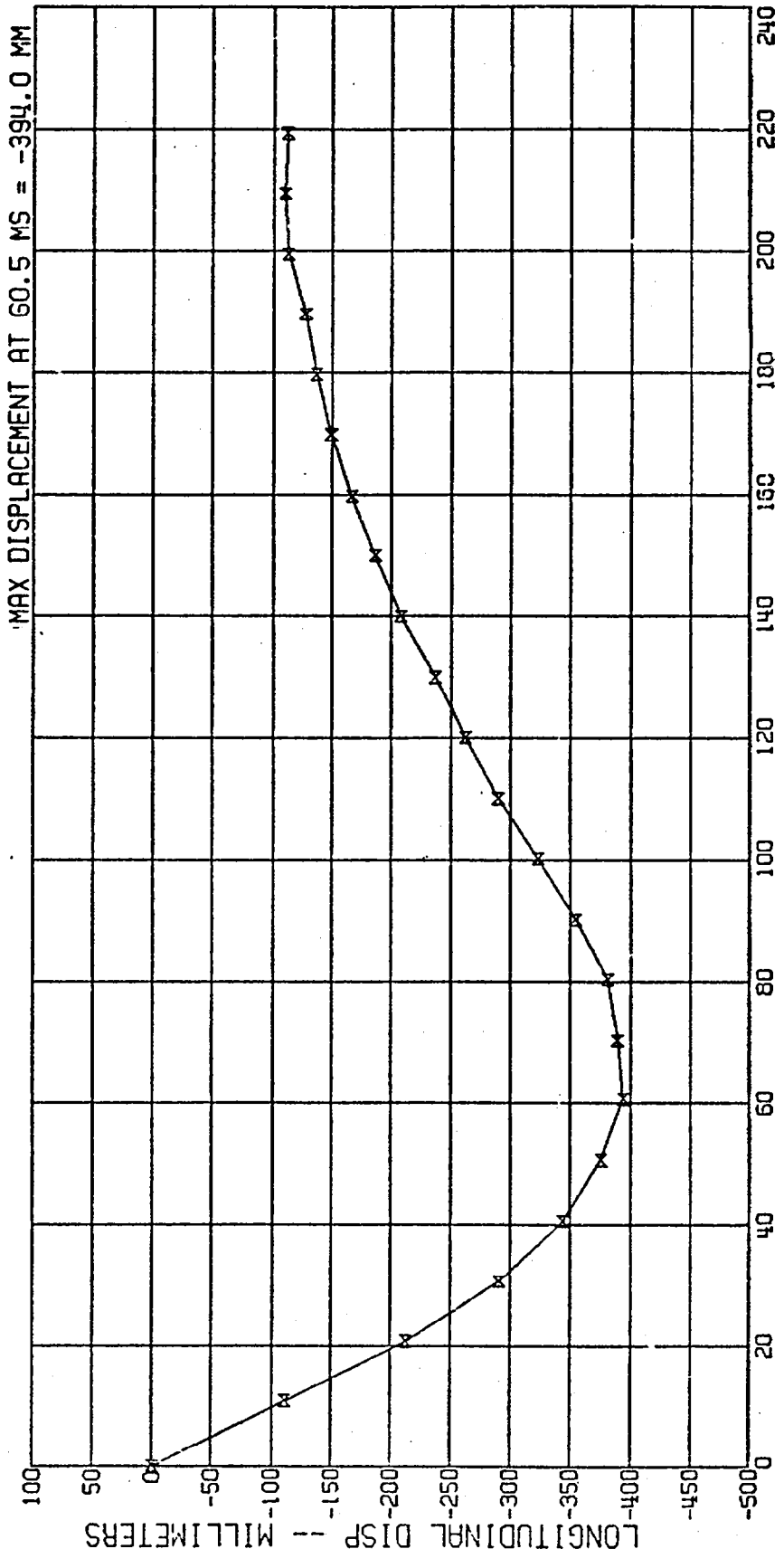
CG251 RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 41.2KM/H FIGURE 115

3905-176
FISHER BODY CPC NHTSA BARRIER
FILM DATA

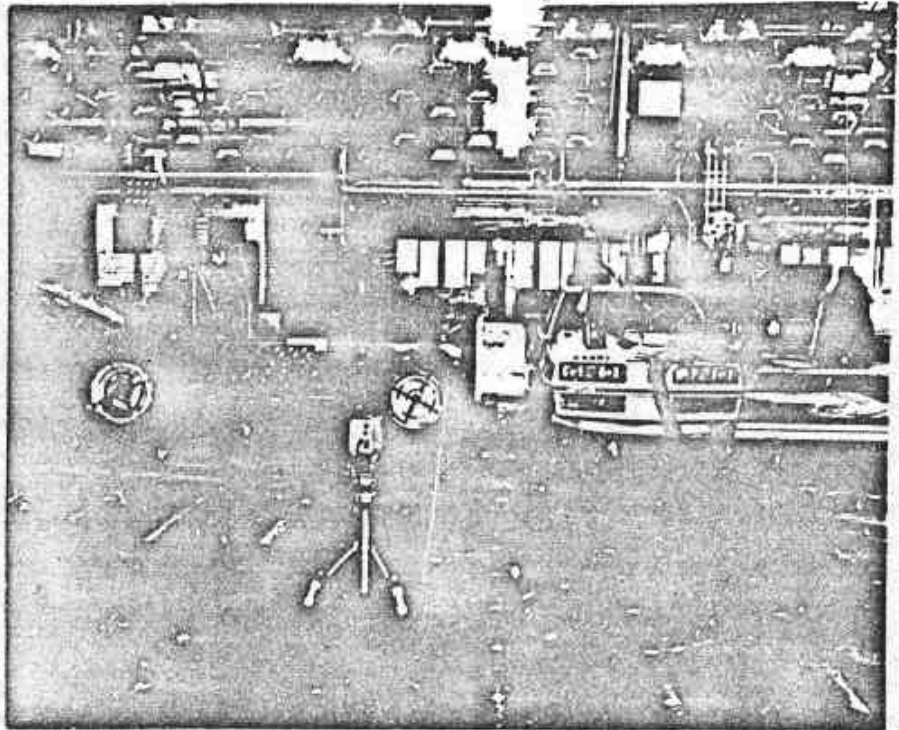
OVERHEAD VIEW

TEST DATE: 06-11-85

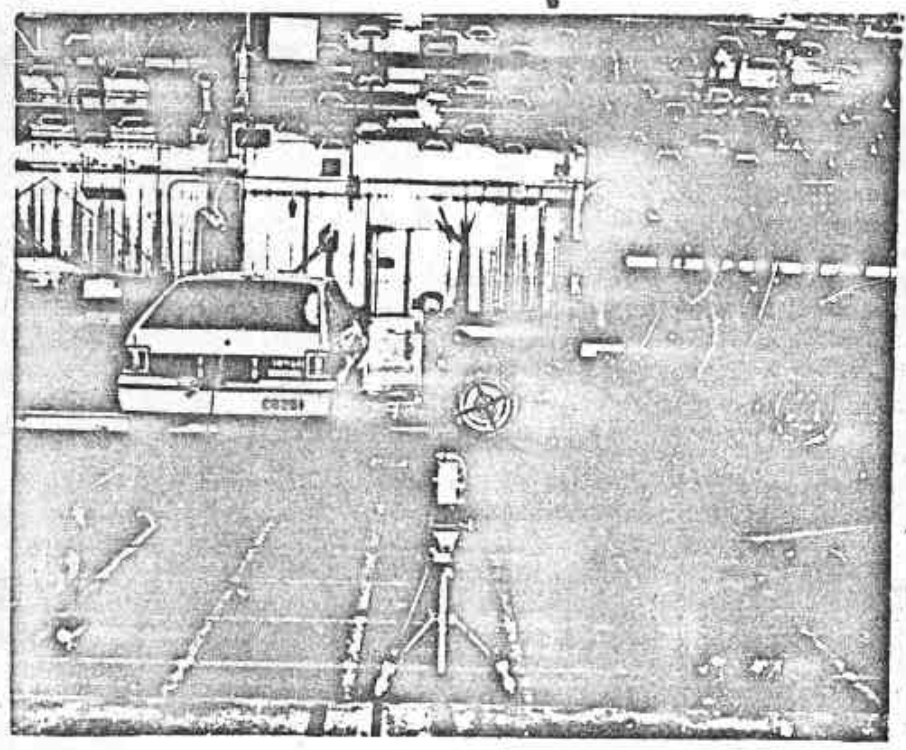
STRUCK VEHICLE RELATIVE TO STRIKING VEH DISPL



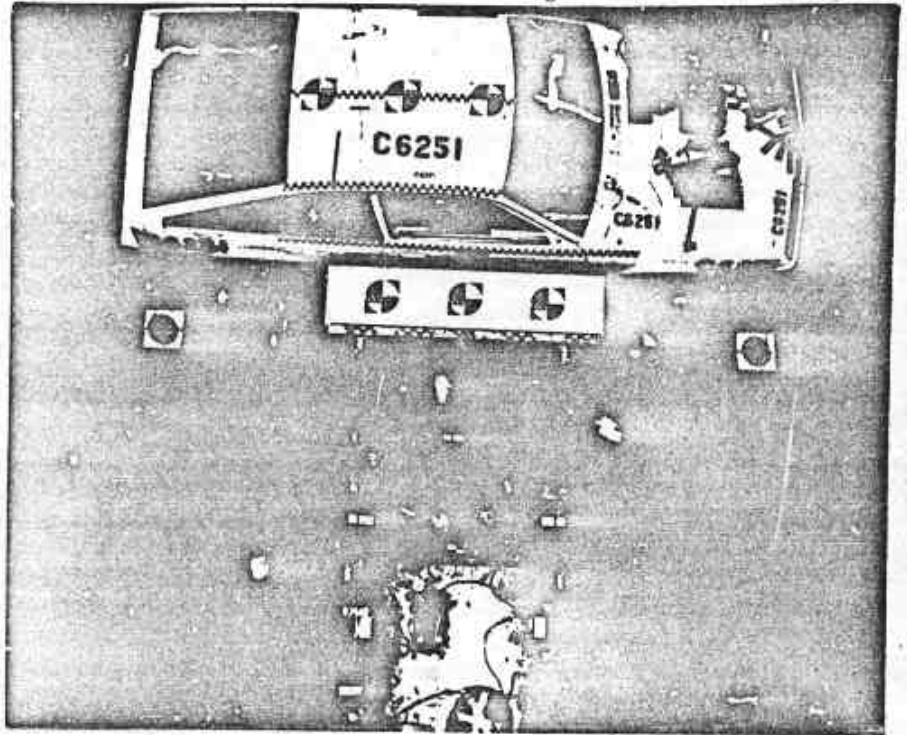
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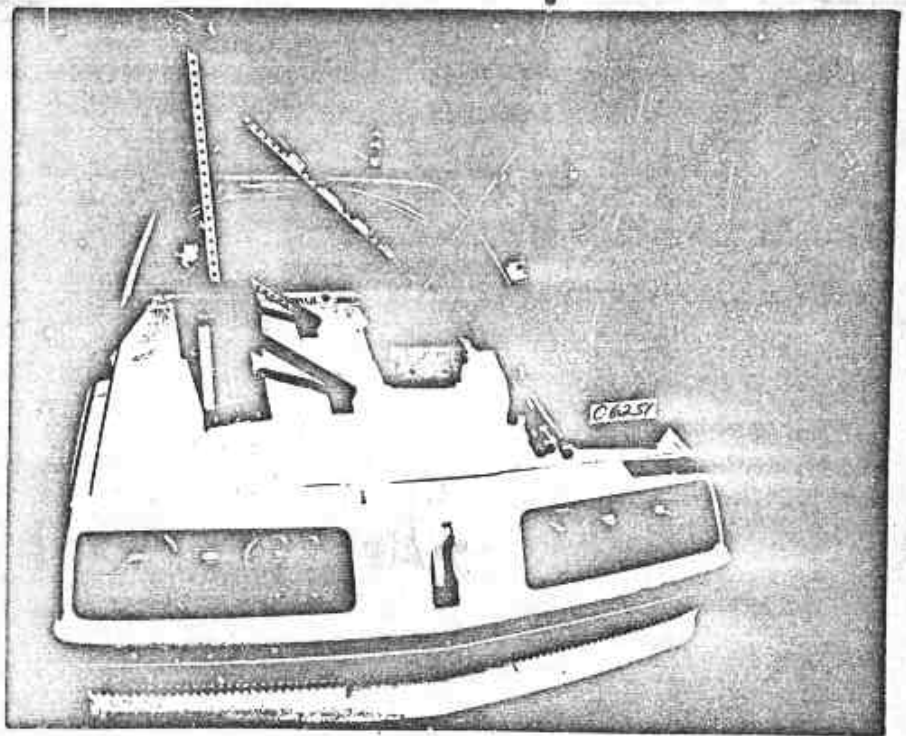
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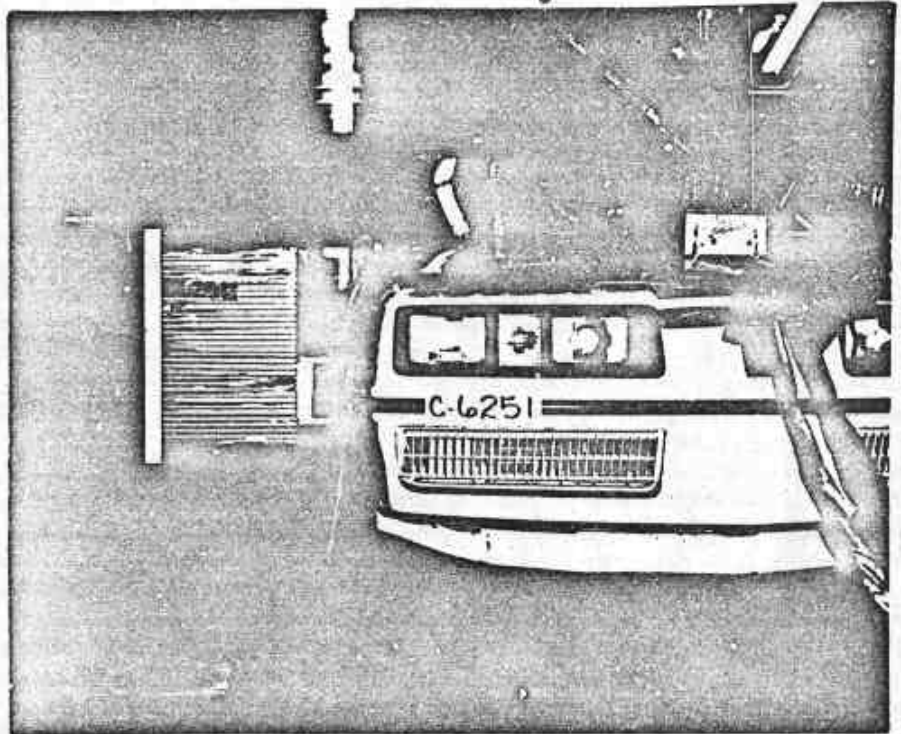
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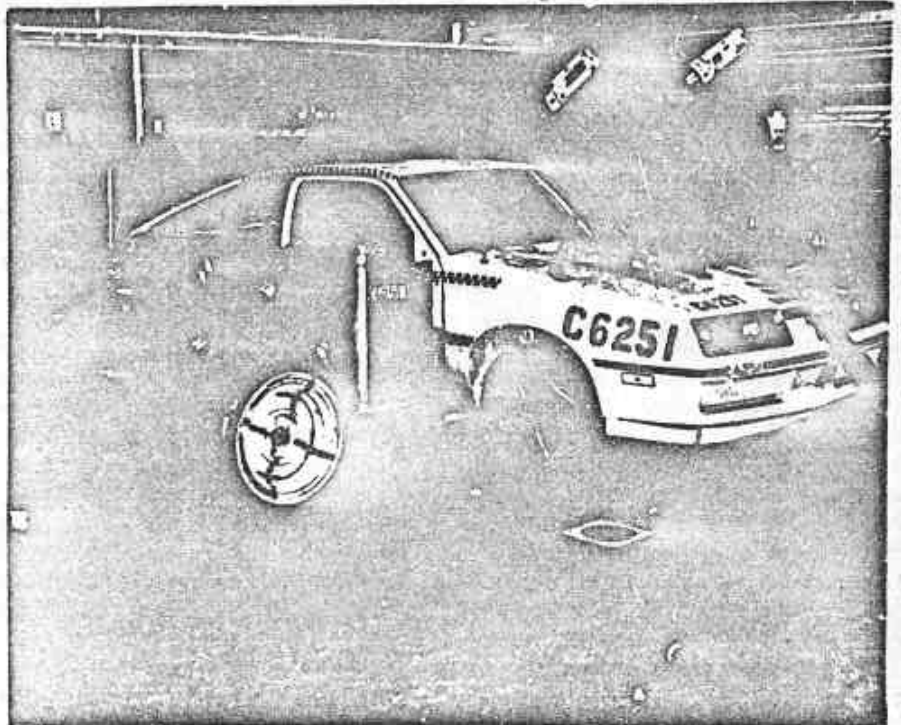
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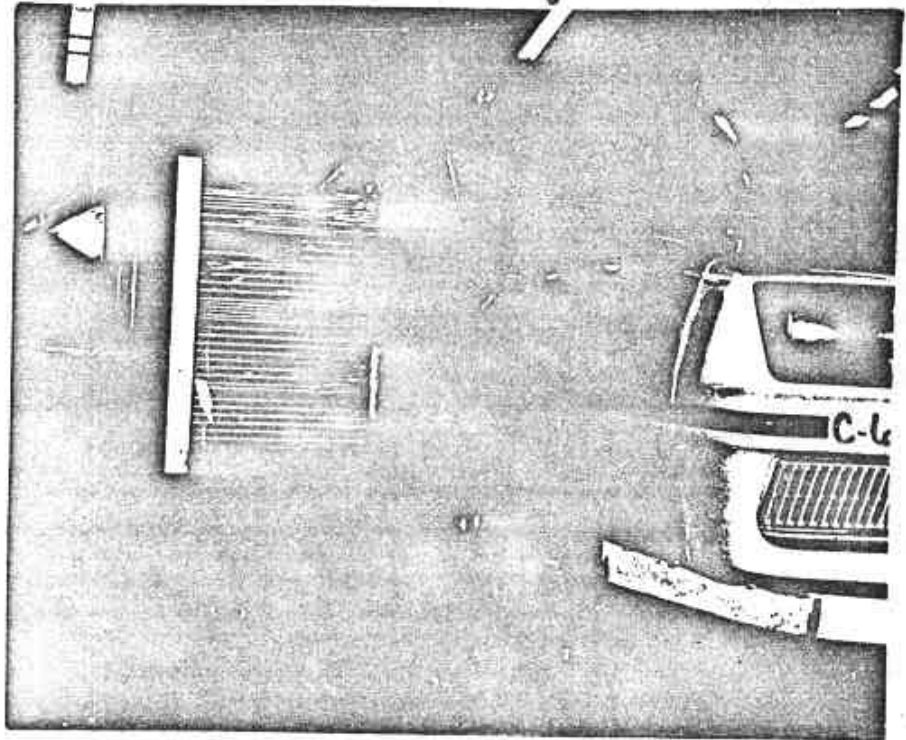
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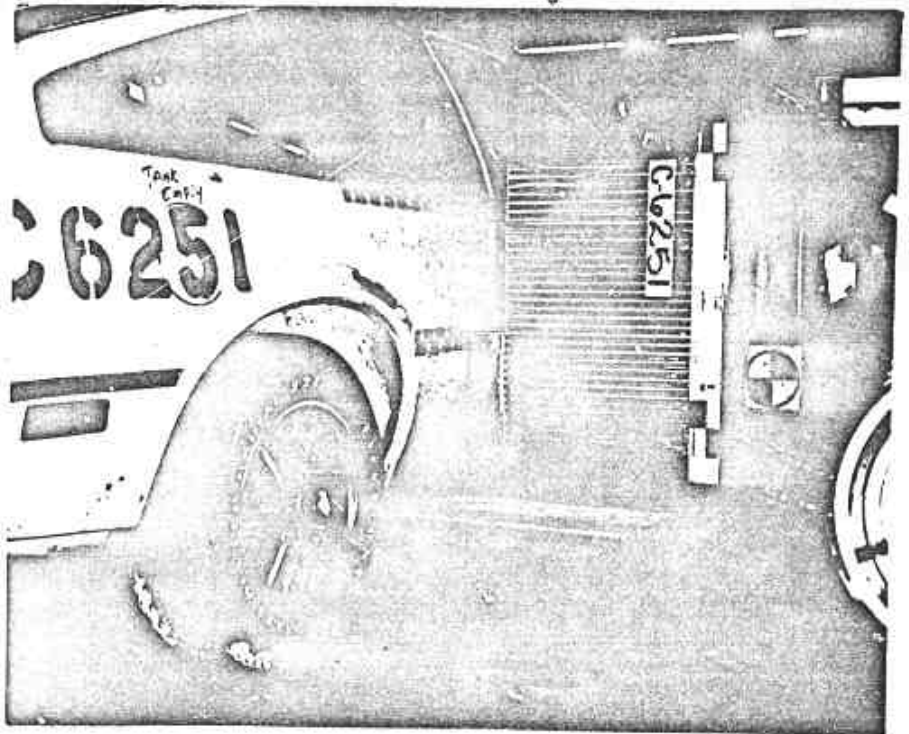
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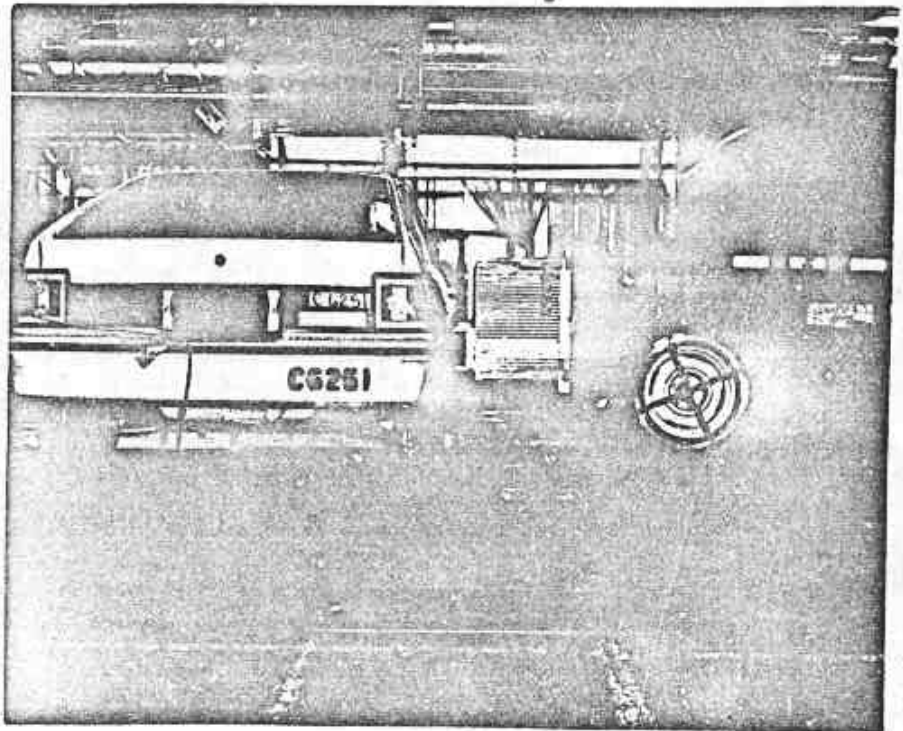
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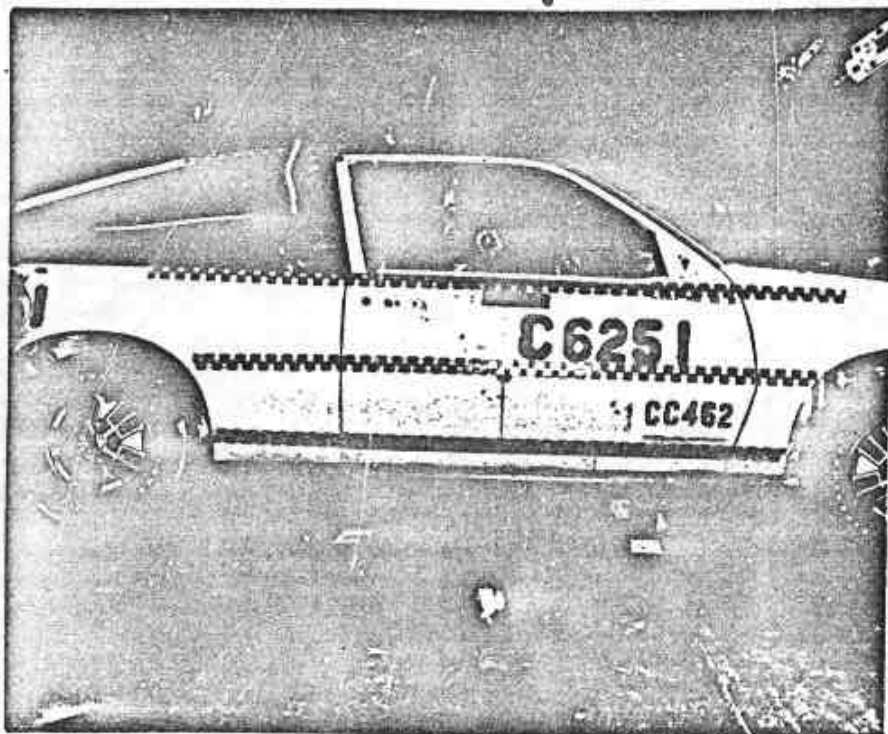
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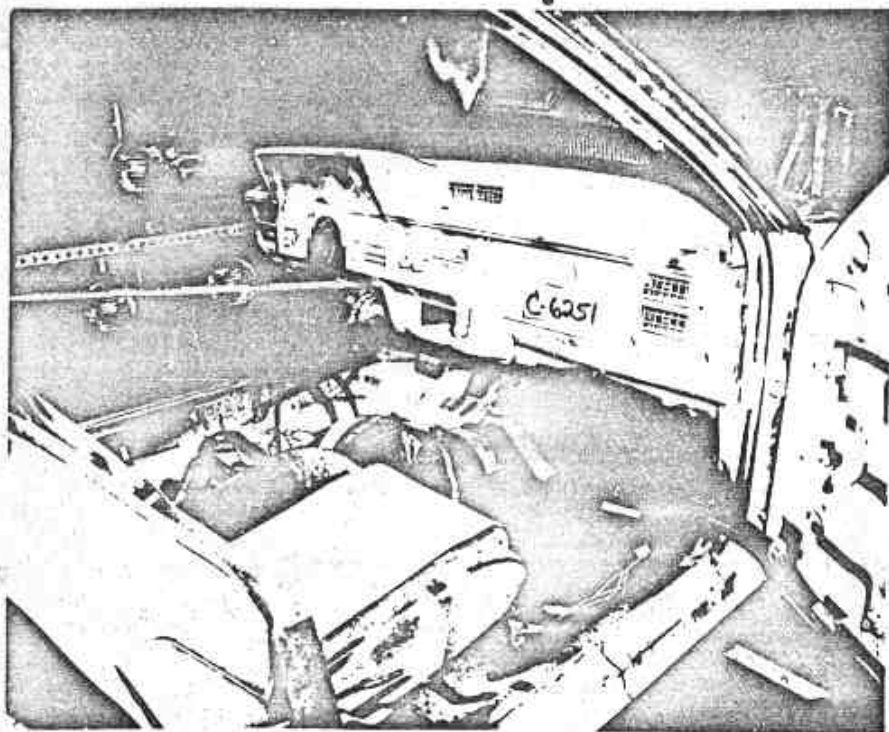
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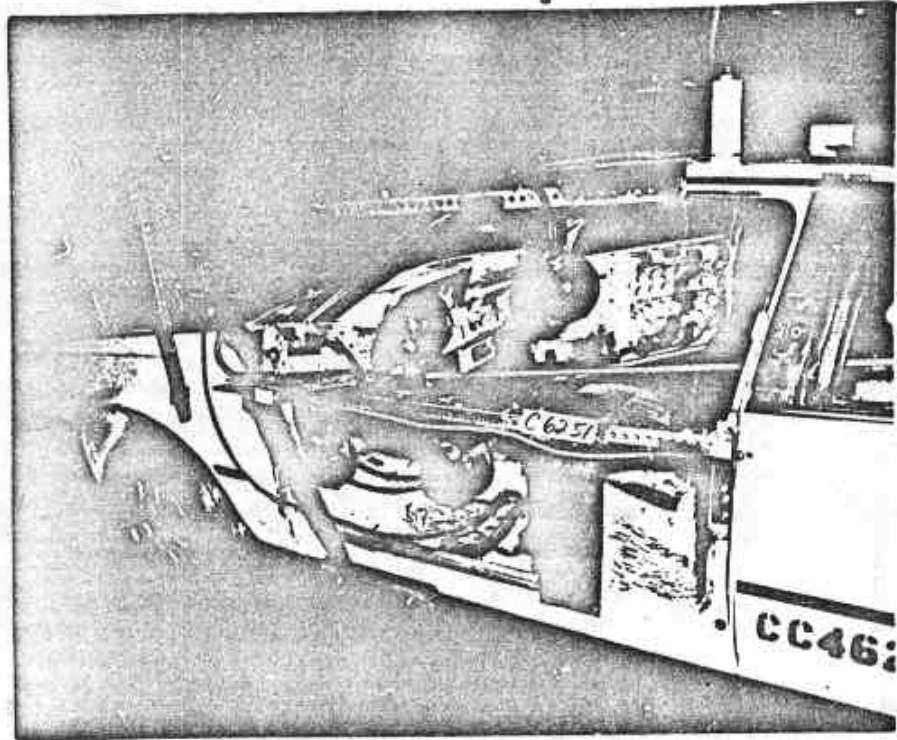
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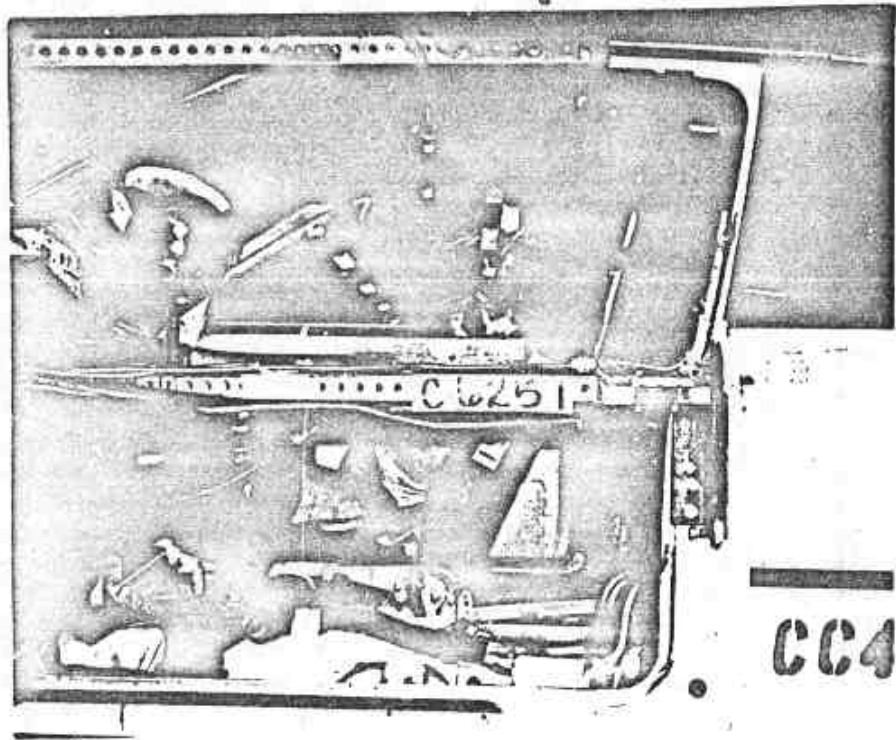
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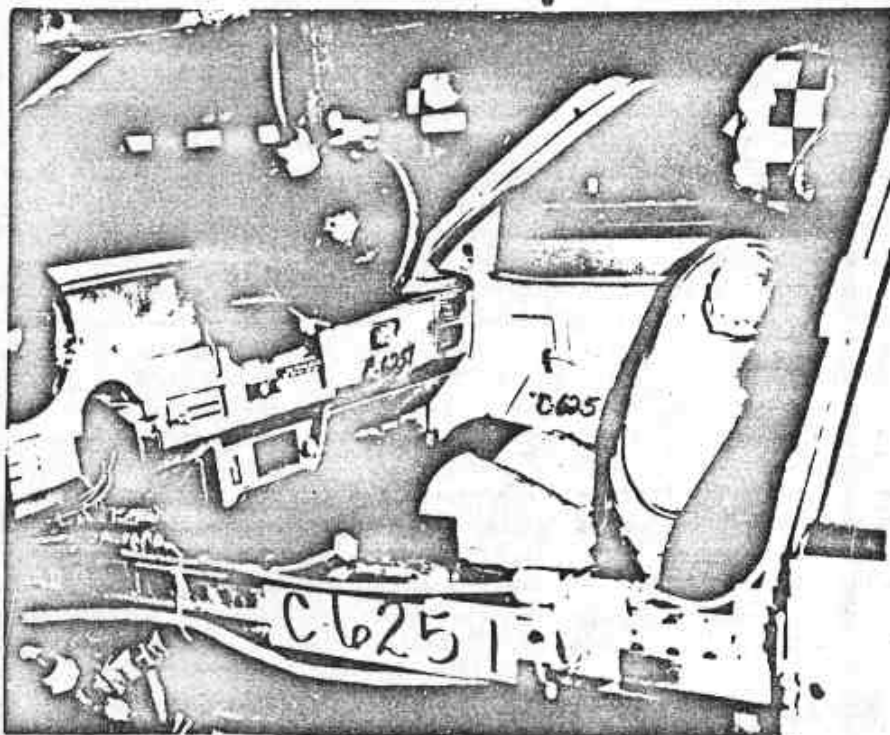
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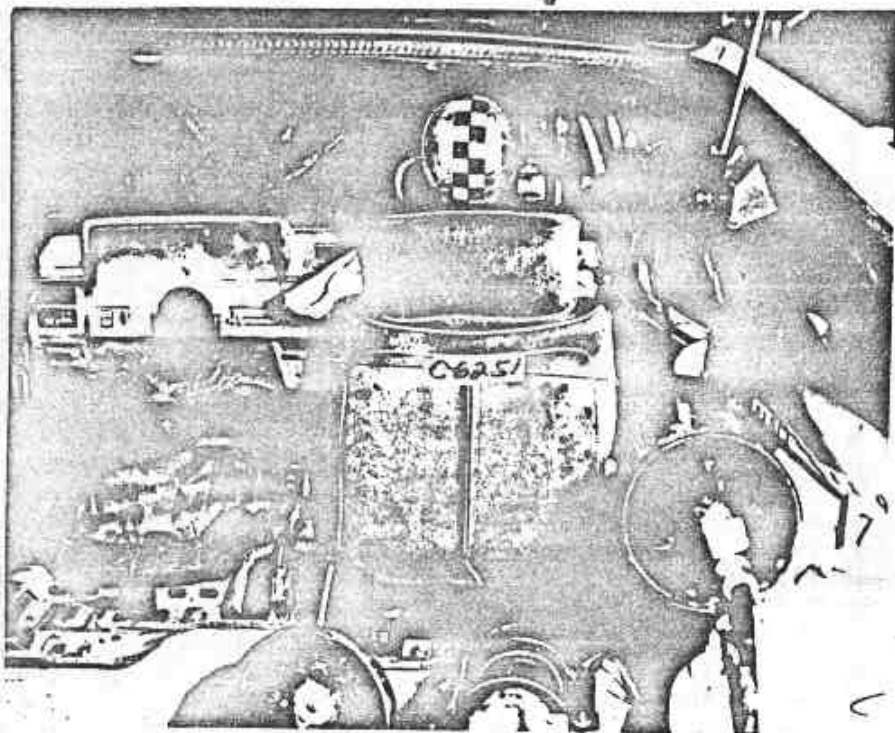
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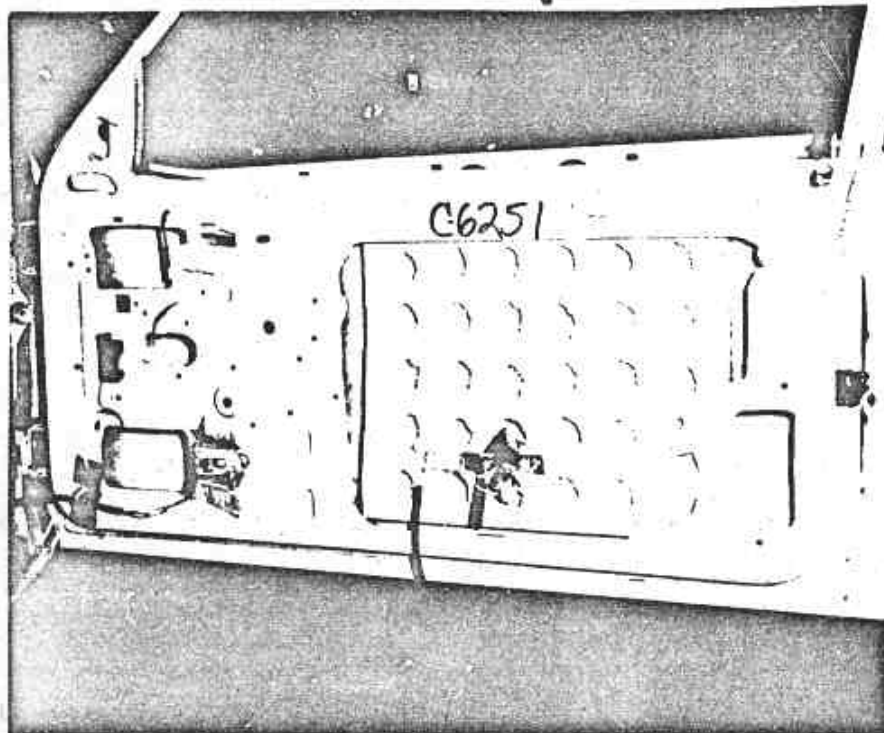
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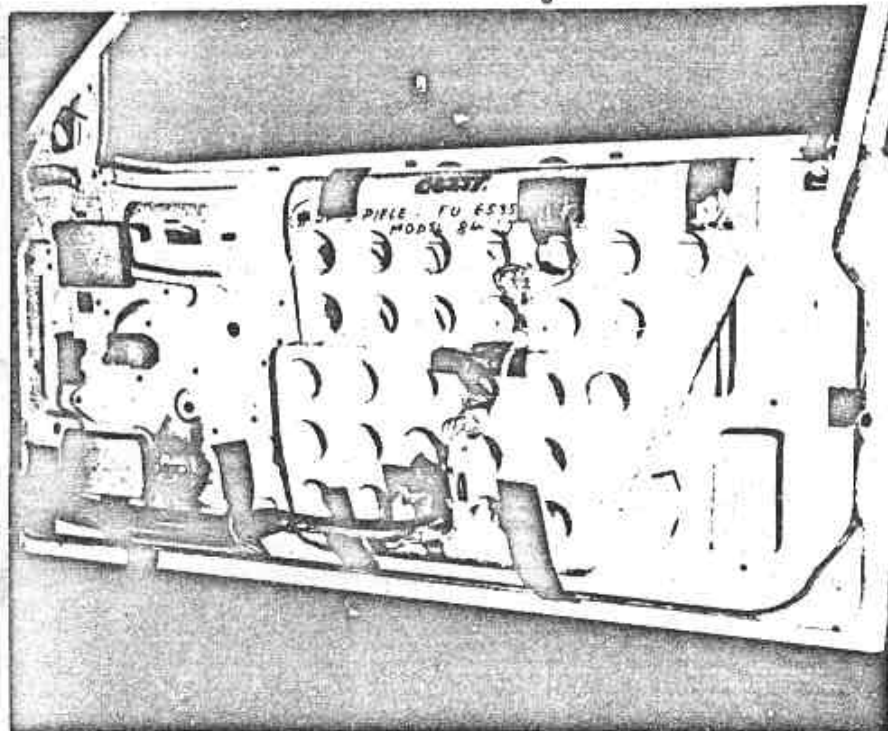
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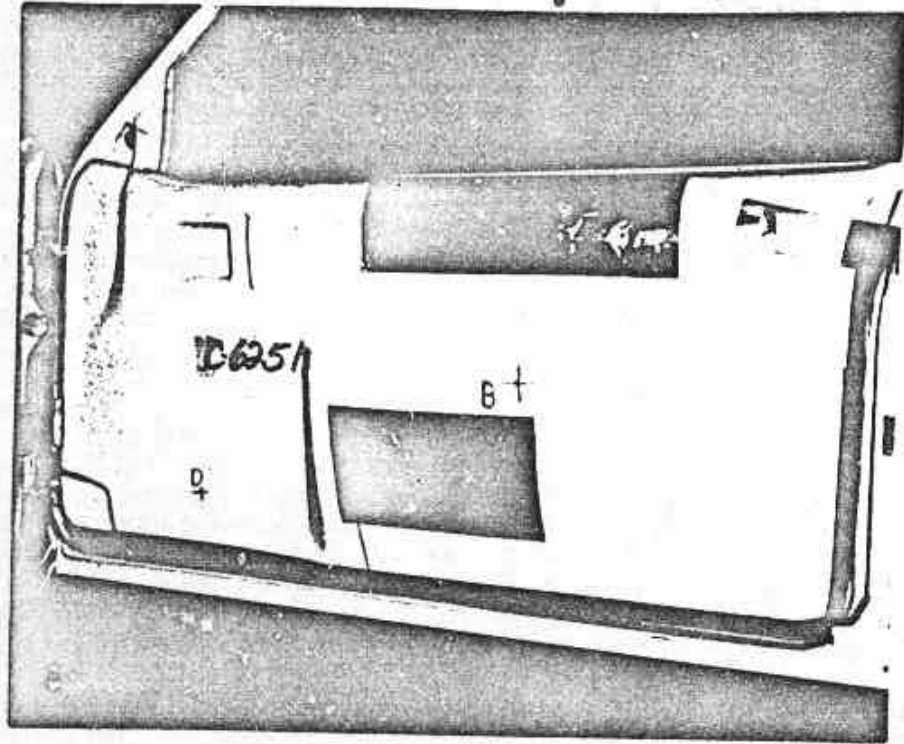
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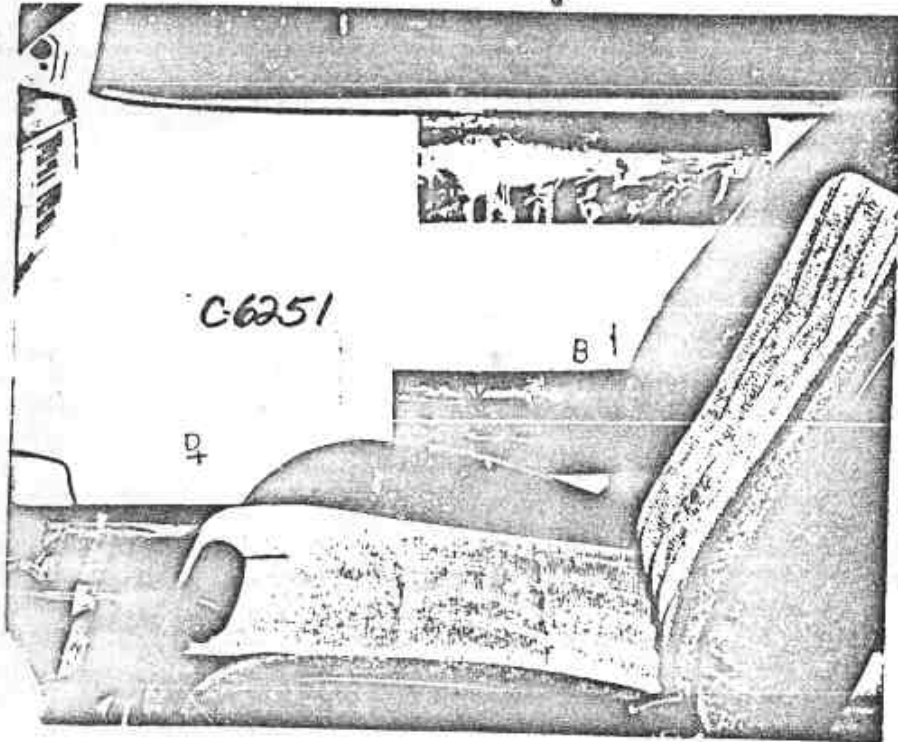
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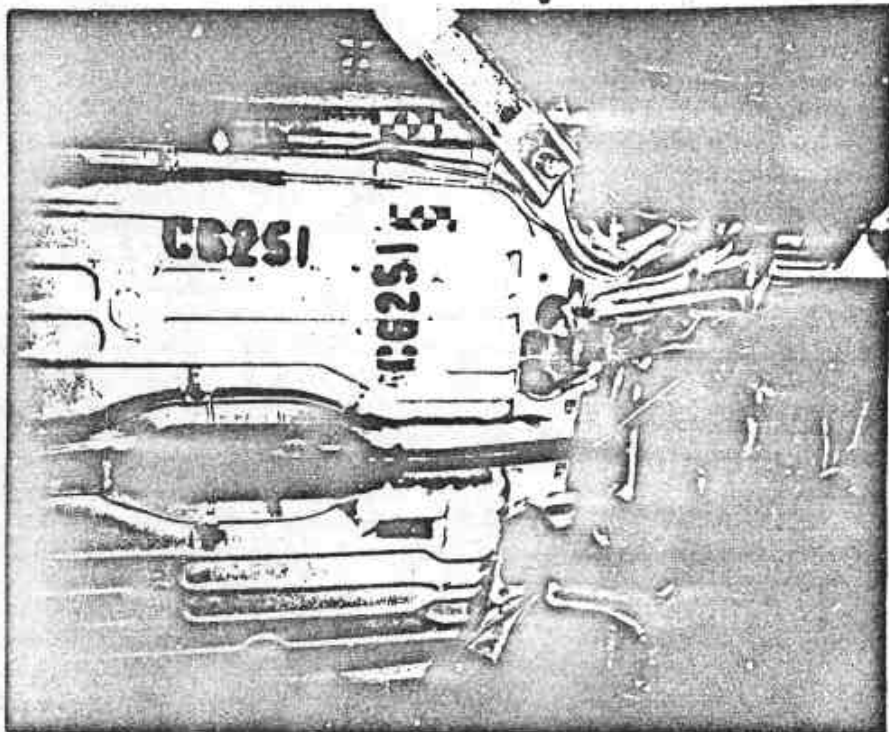
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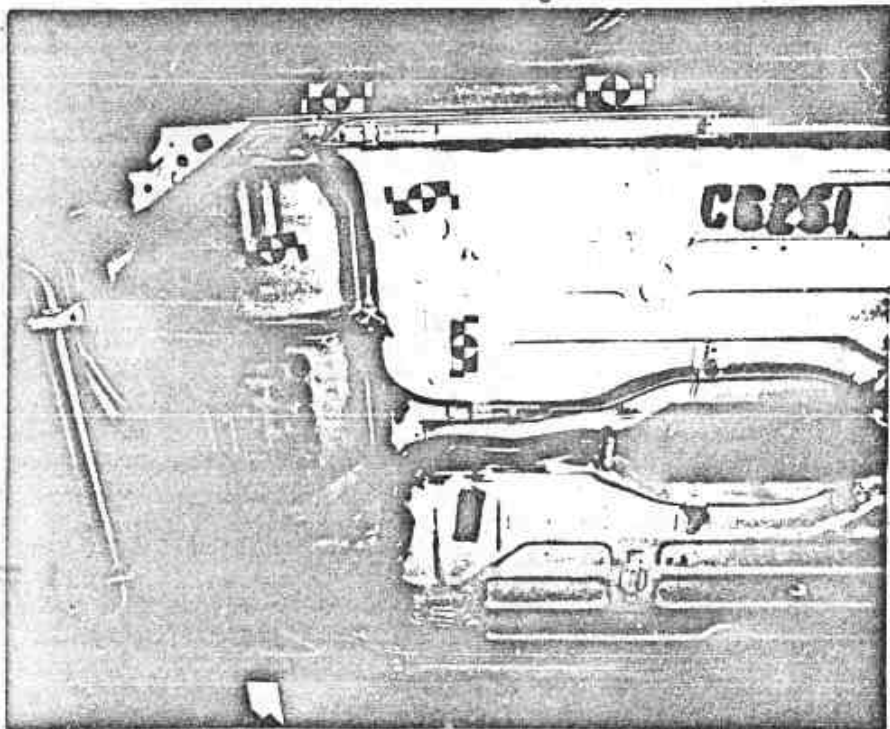
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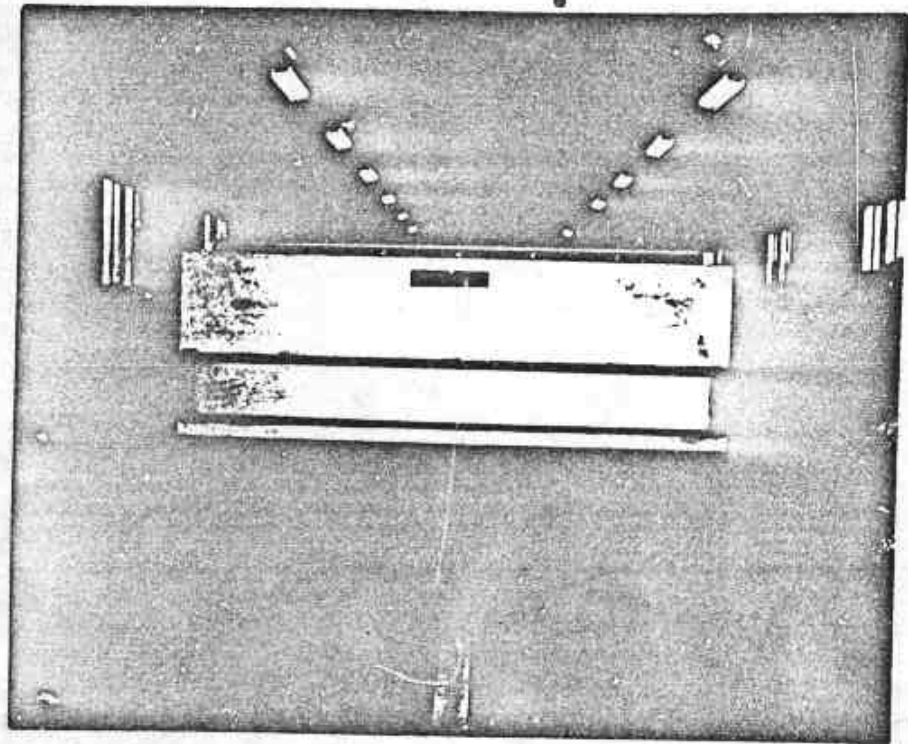
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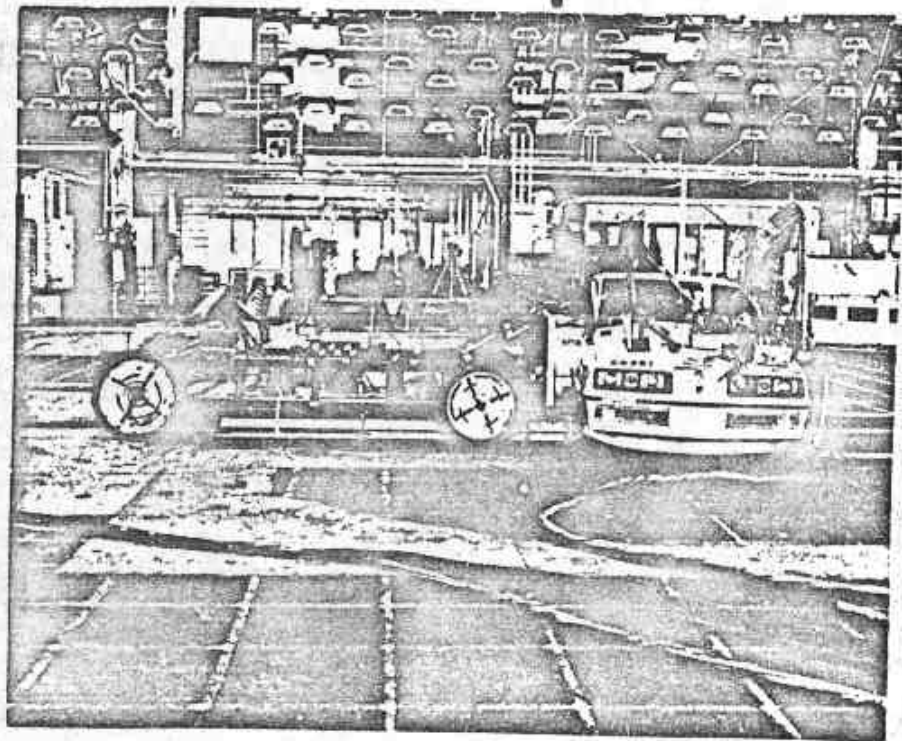
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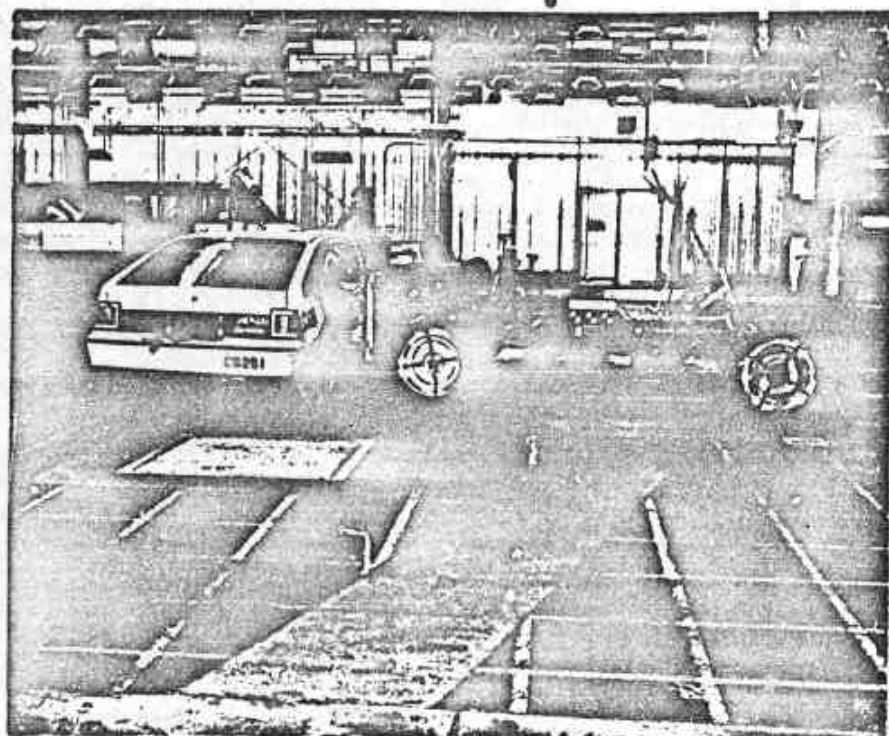
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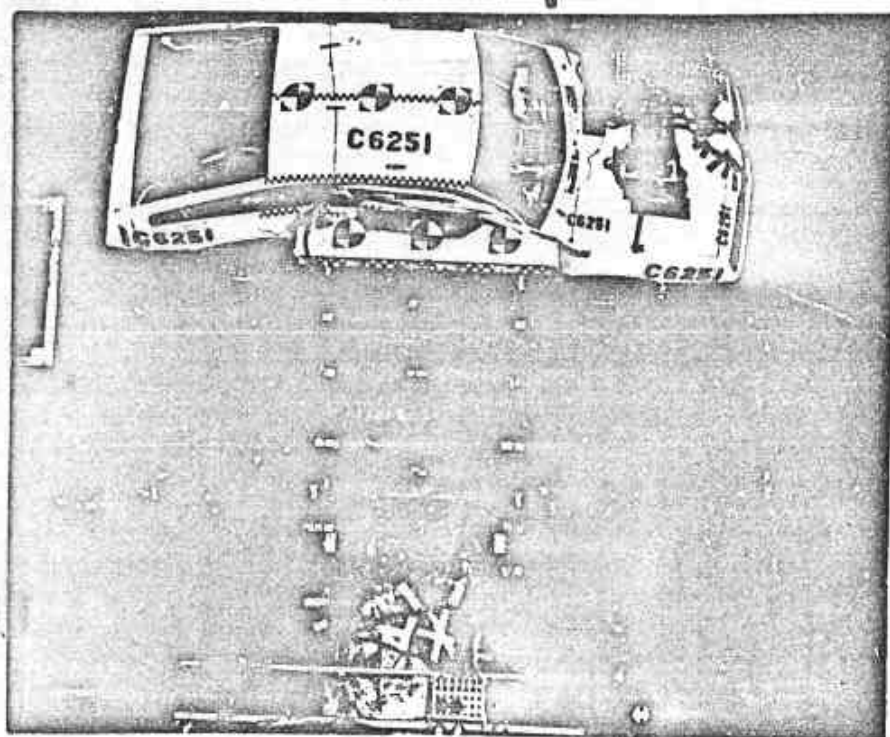
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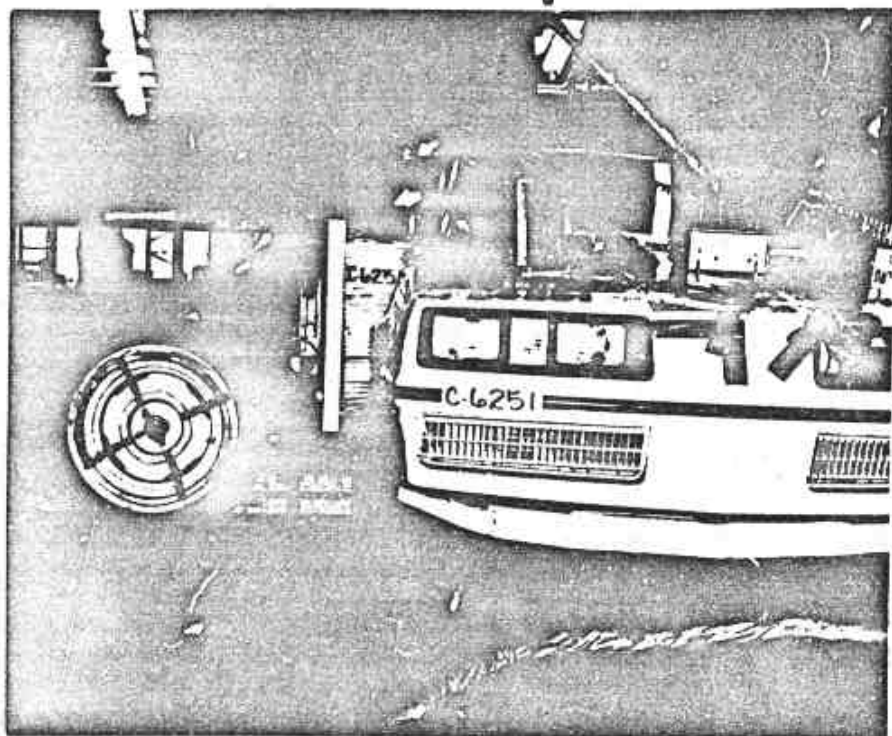
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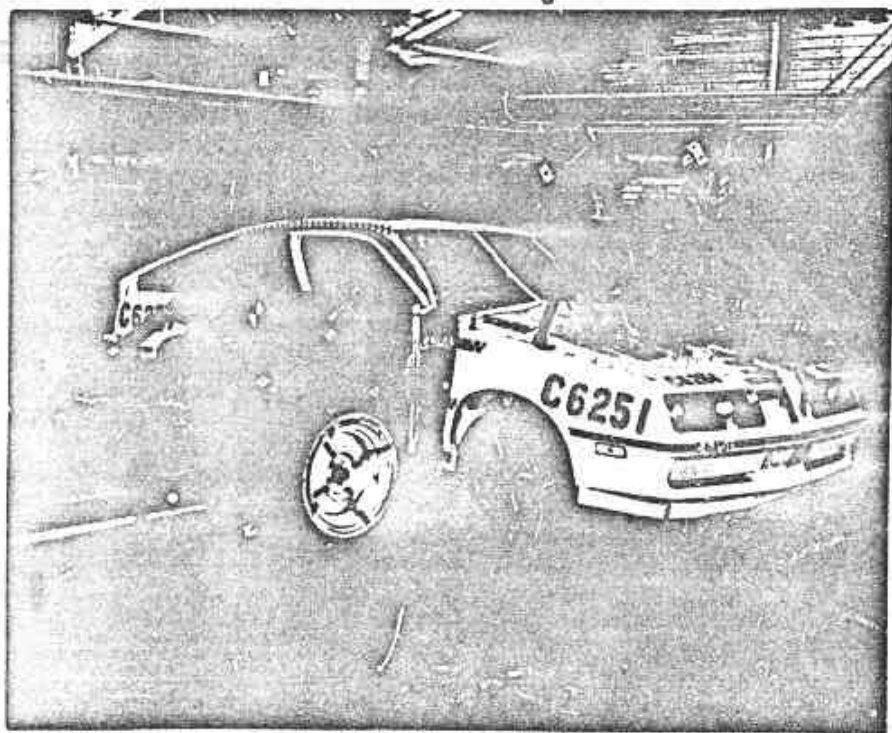
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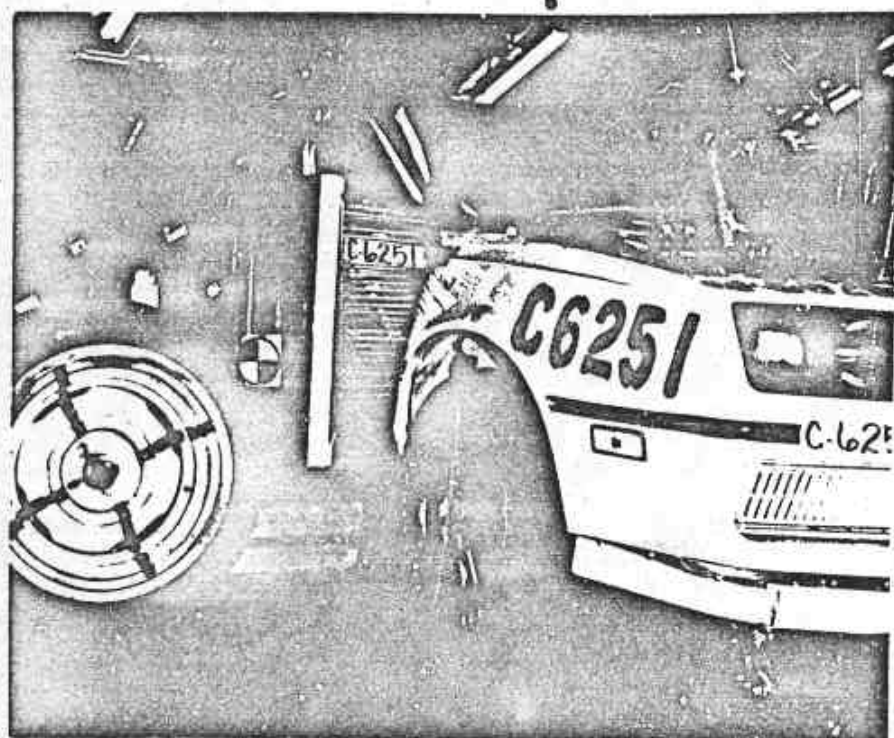
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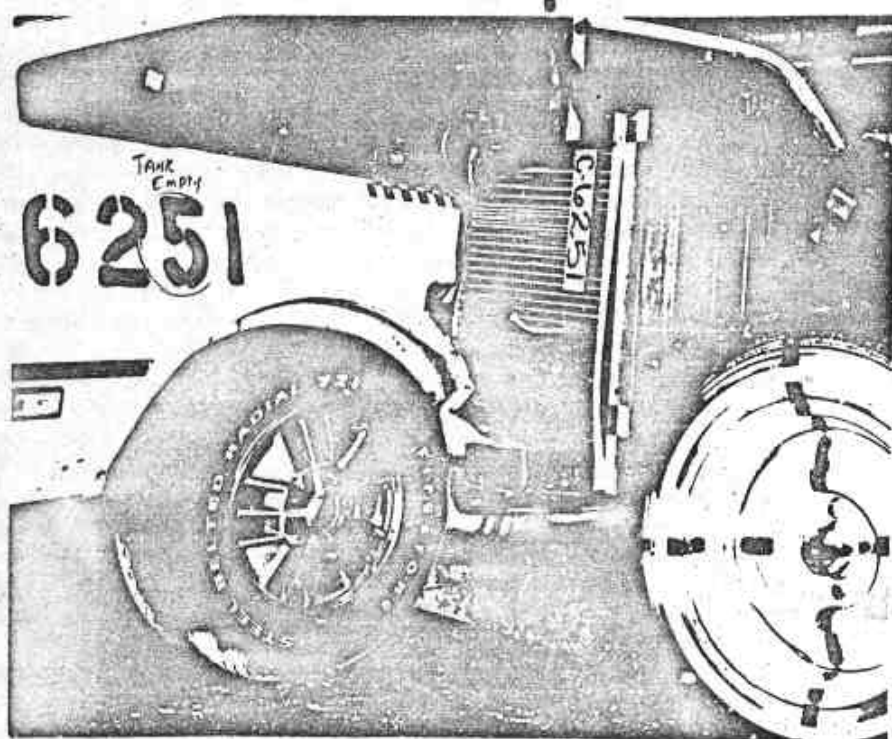
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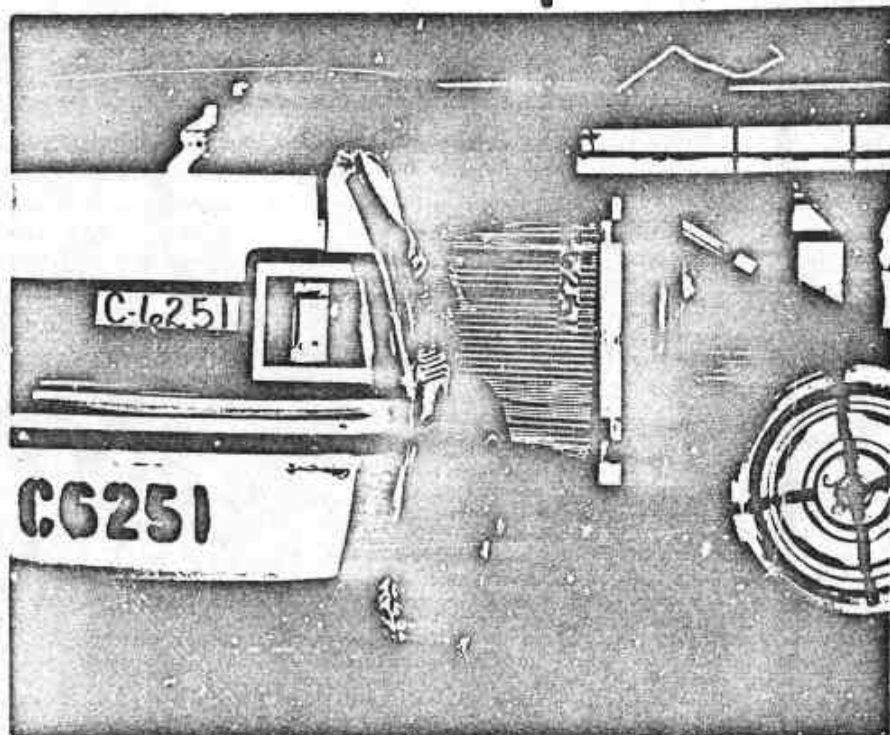


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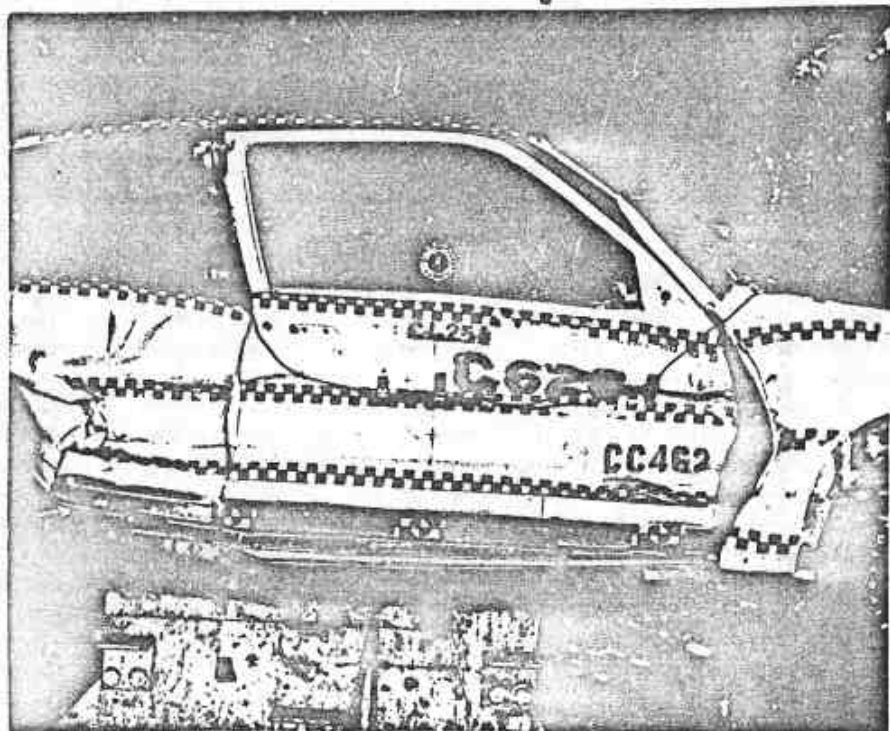


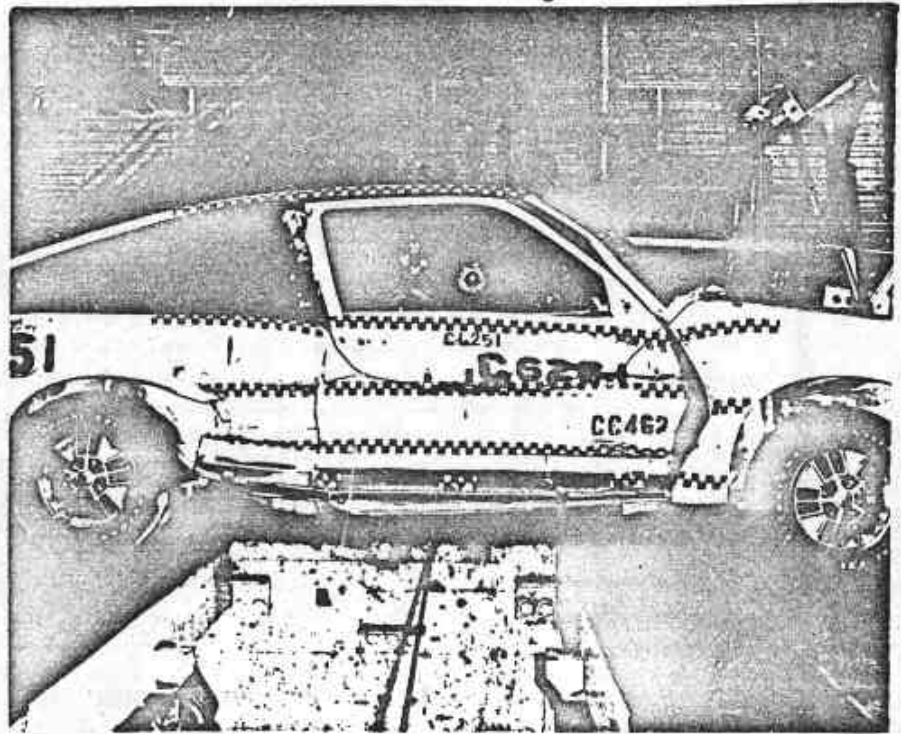
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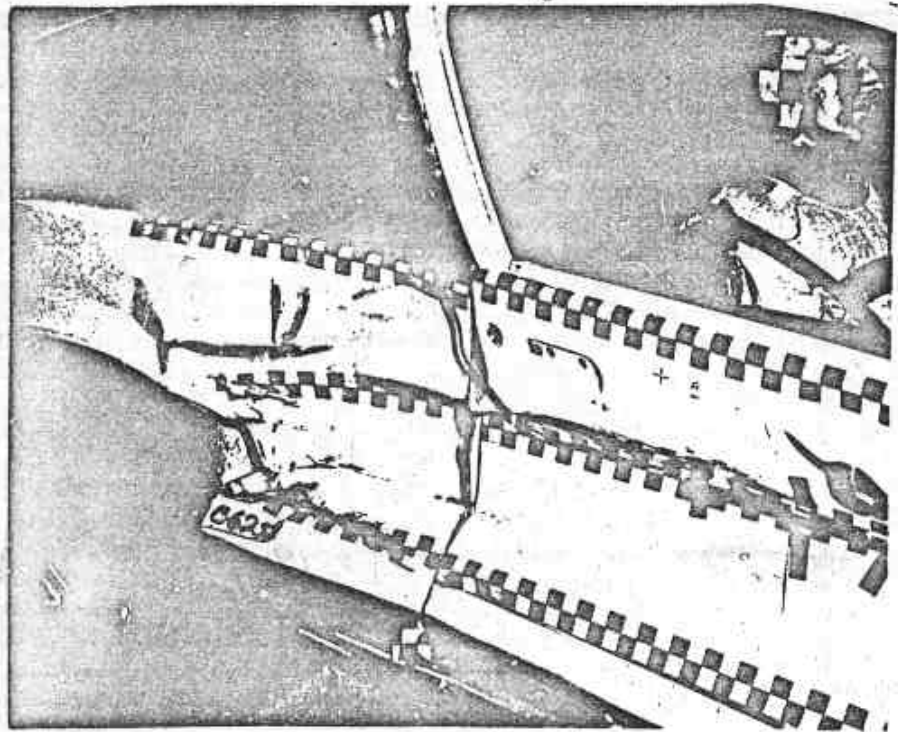


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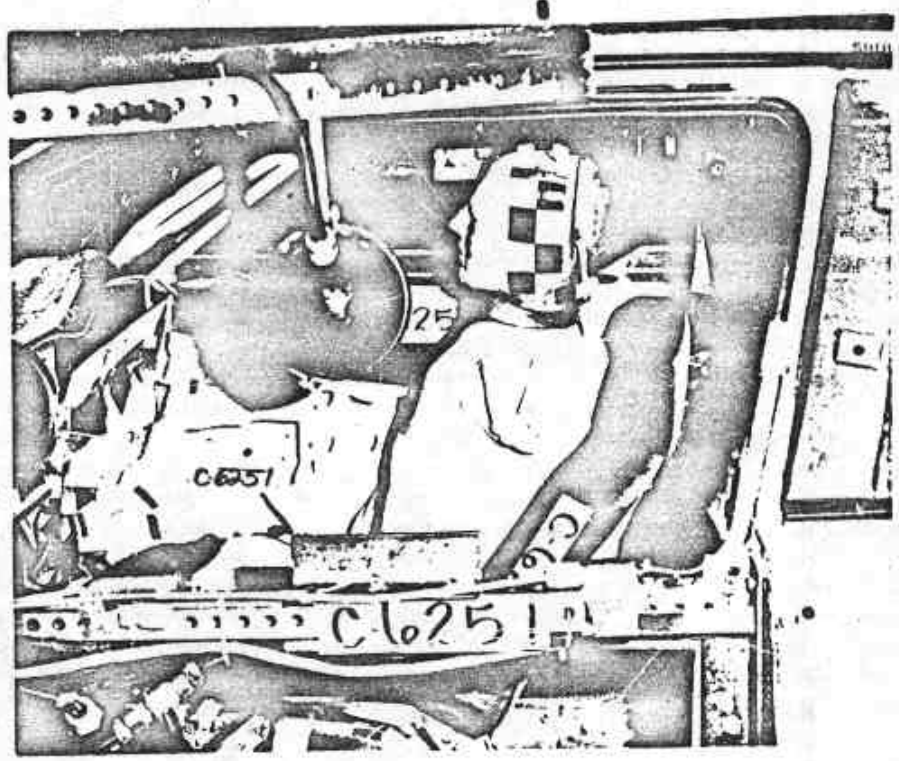




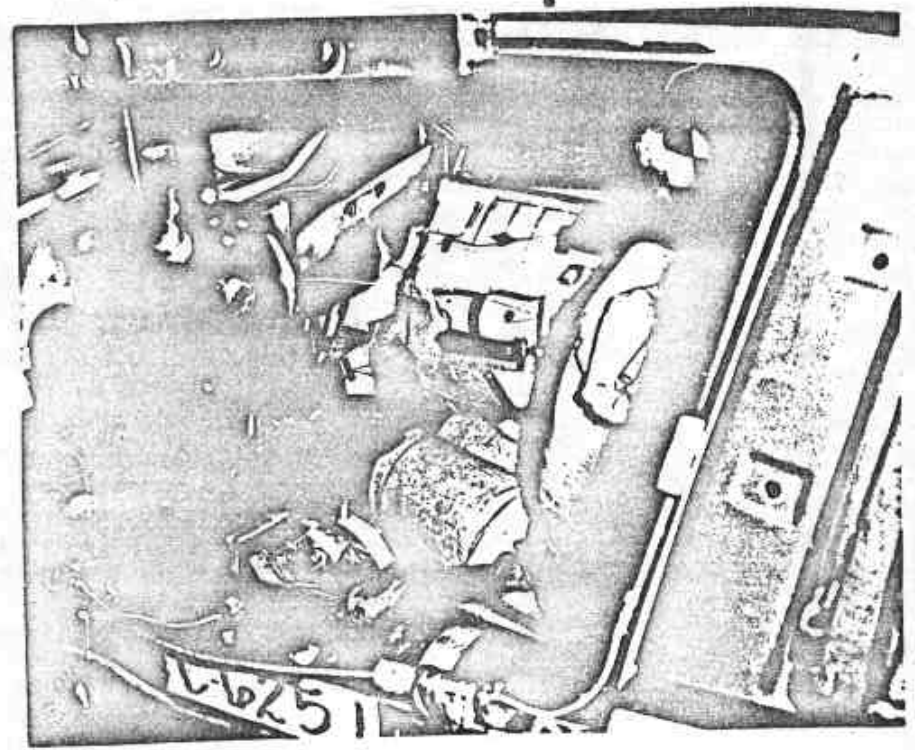
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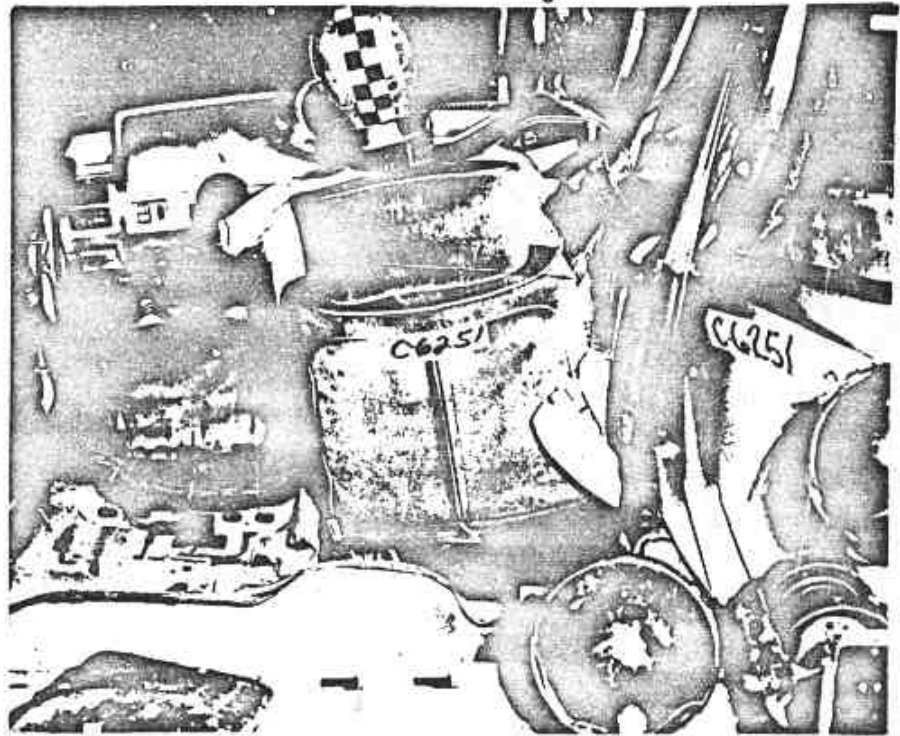
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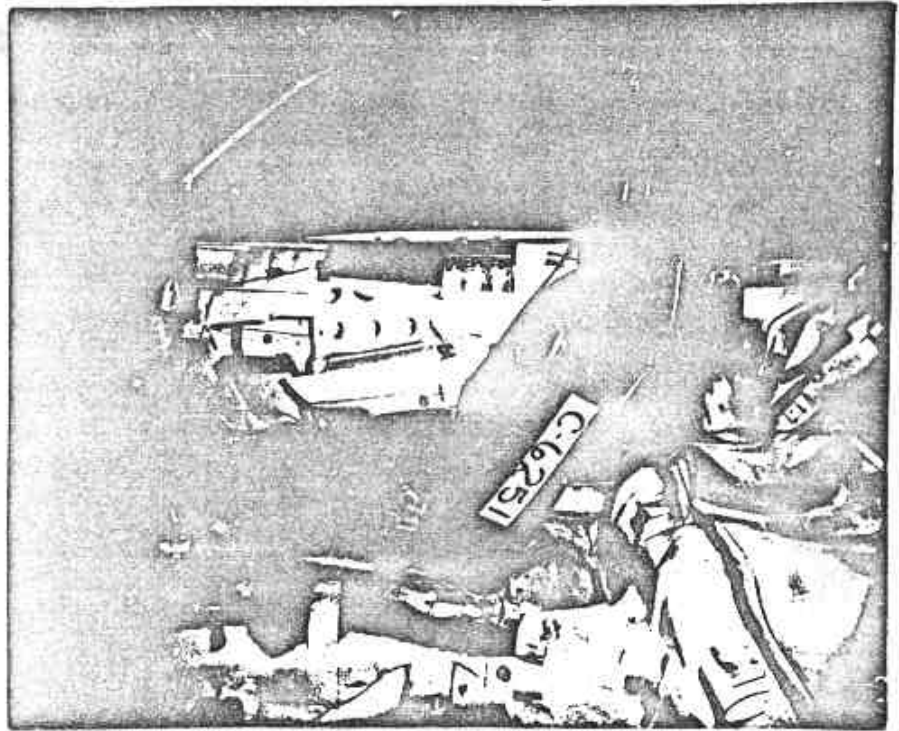
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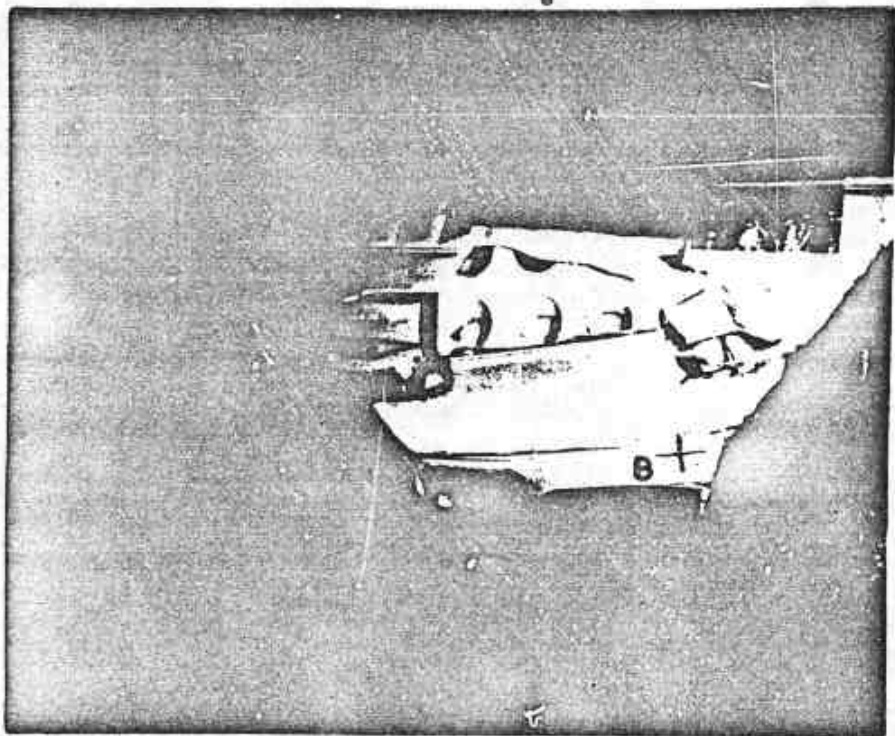
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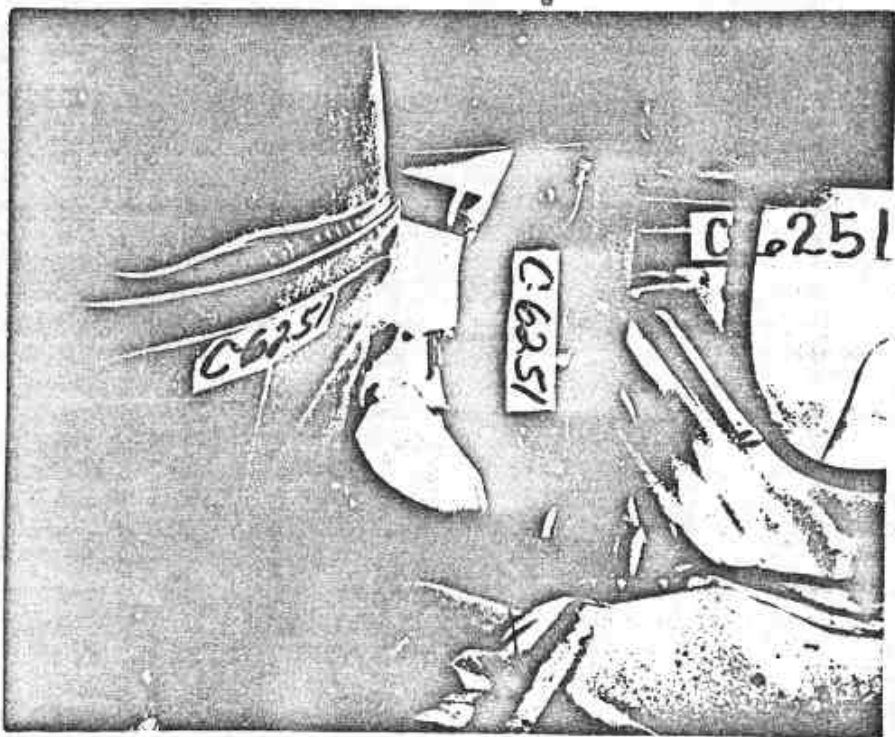
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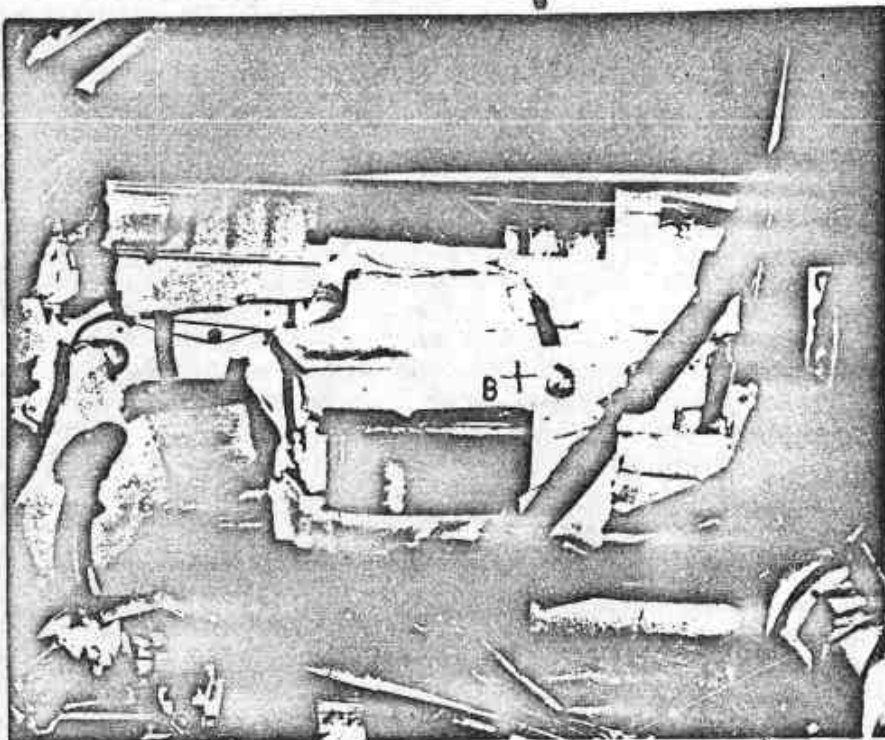
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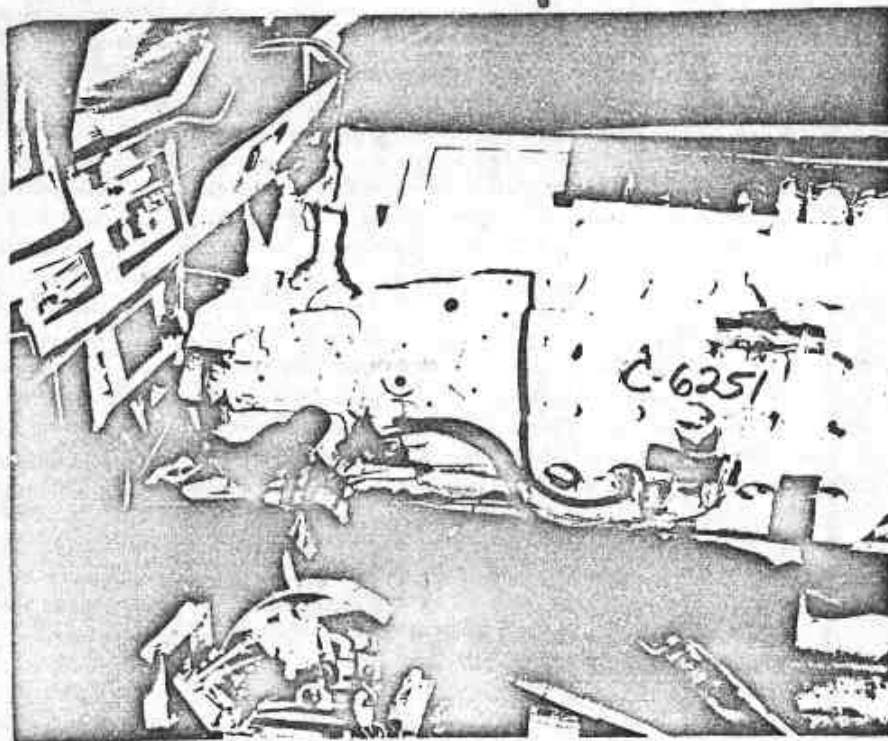
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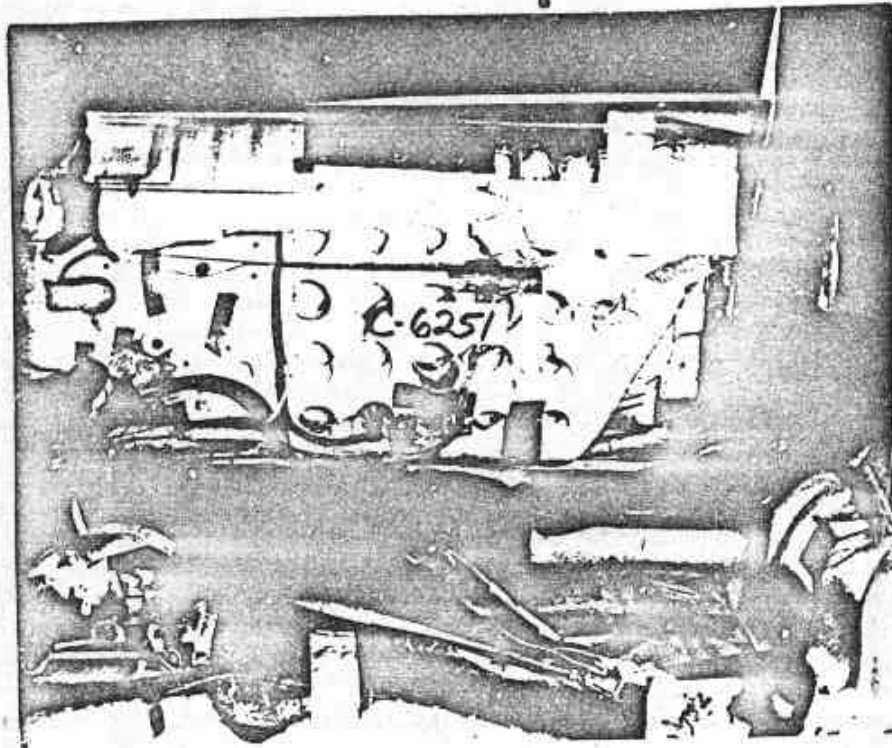
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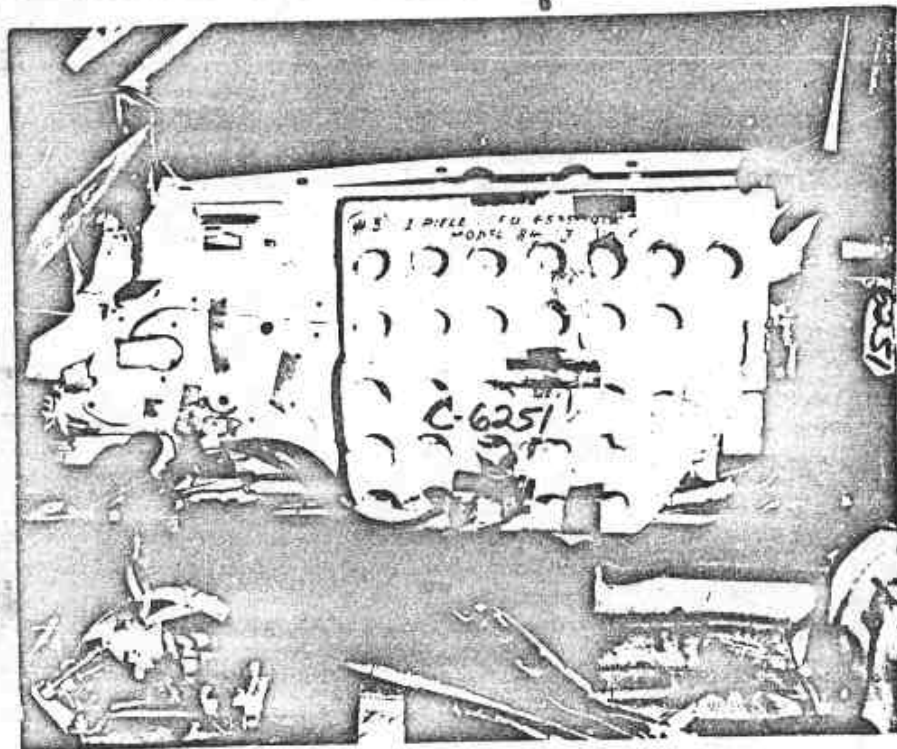
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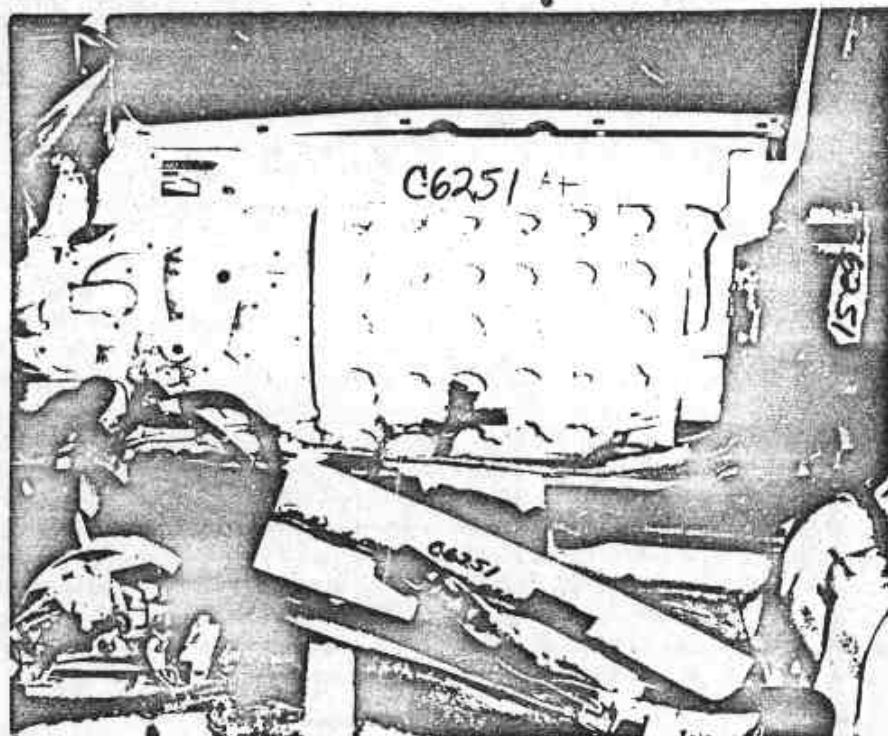
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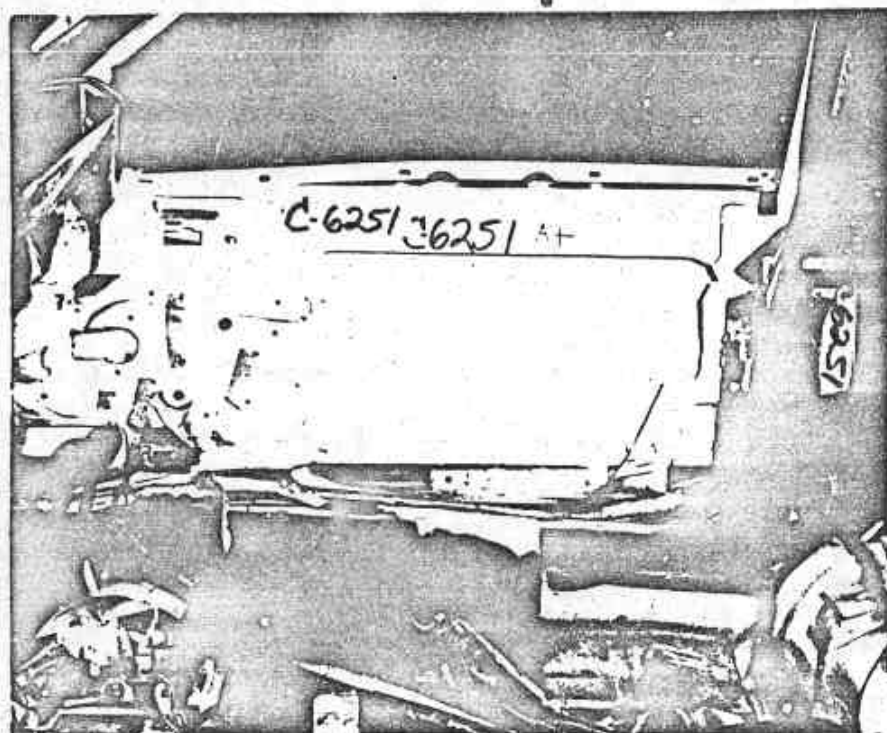
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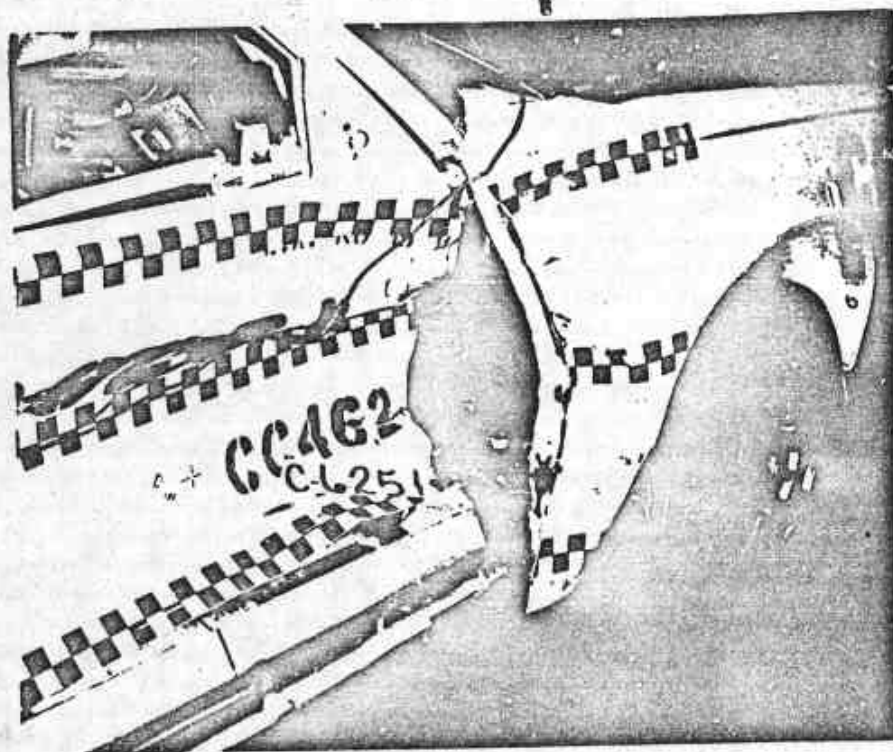
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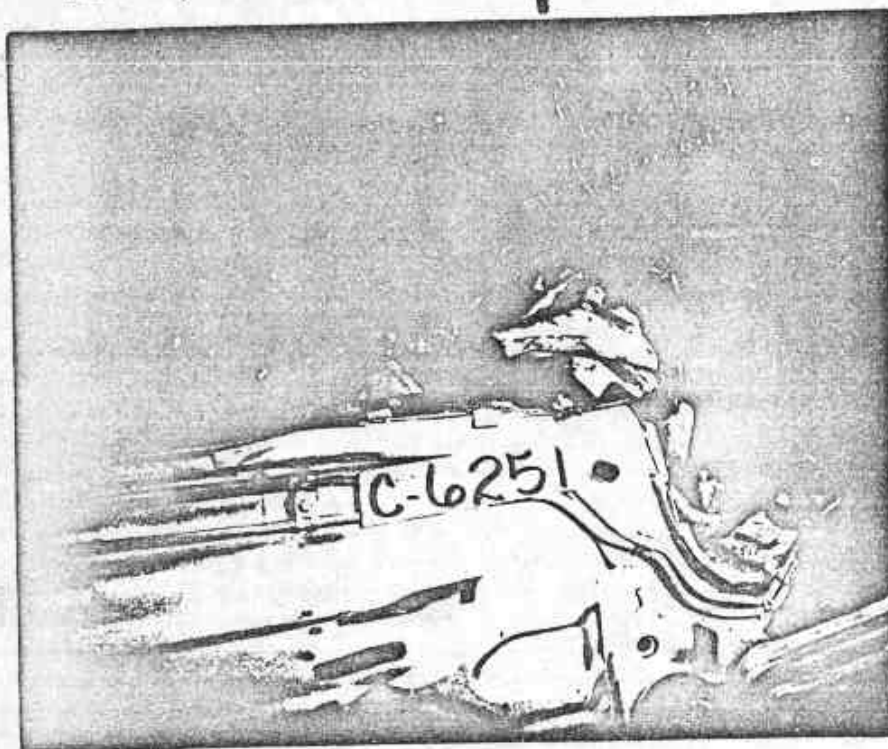
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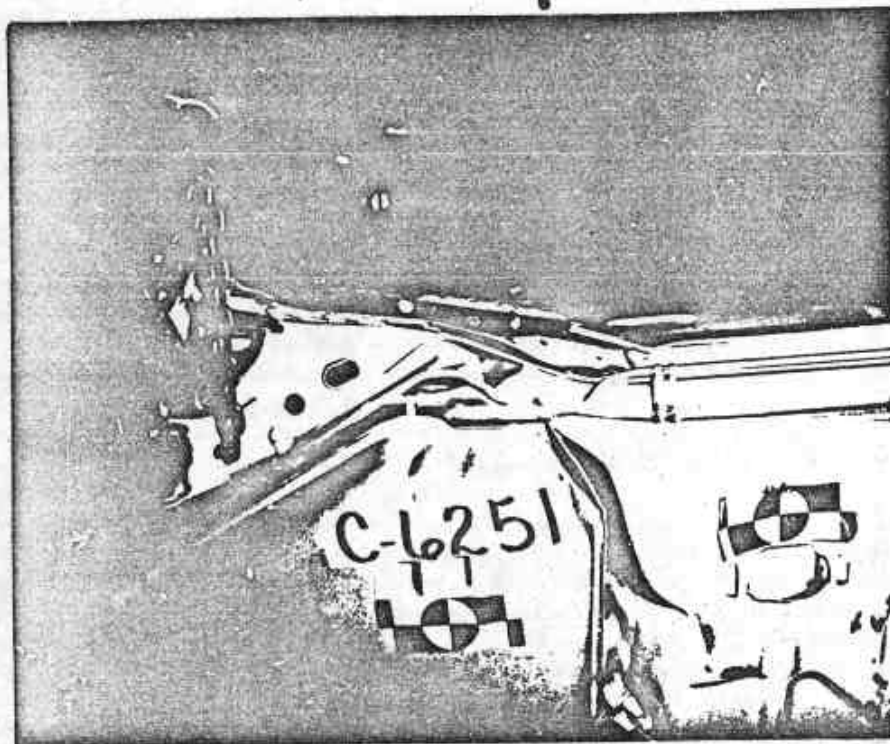
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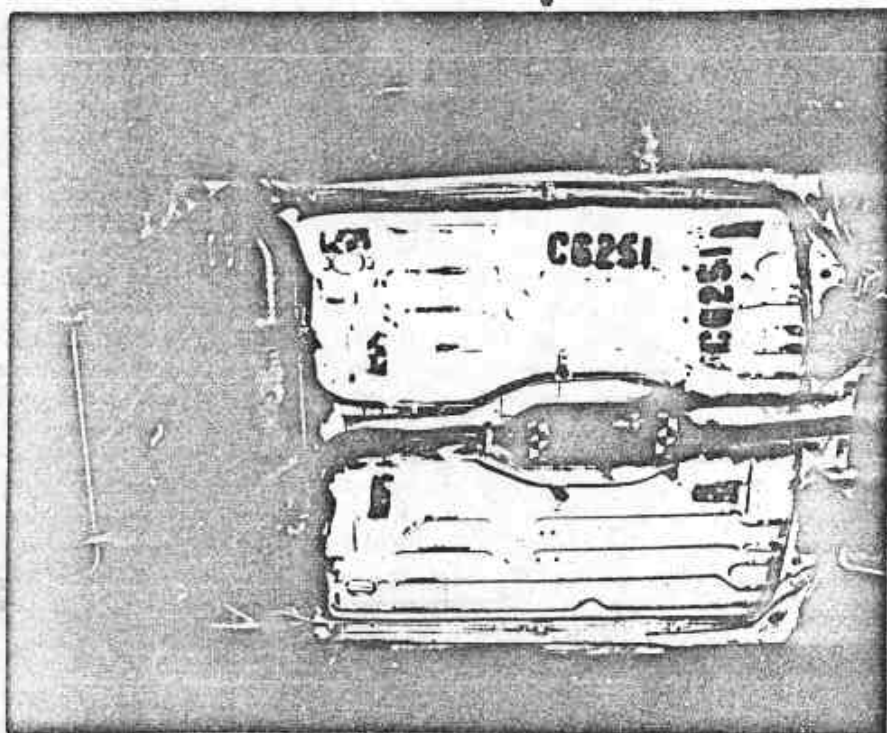
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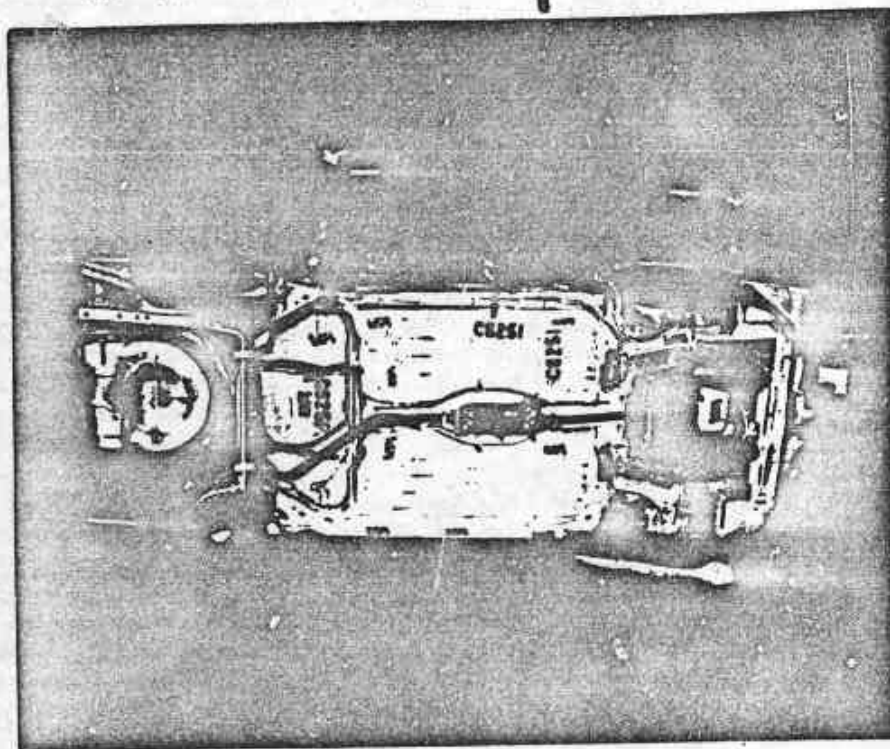
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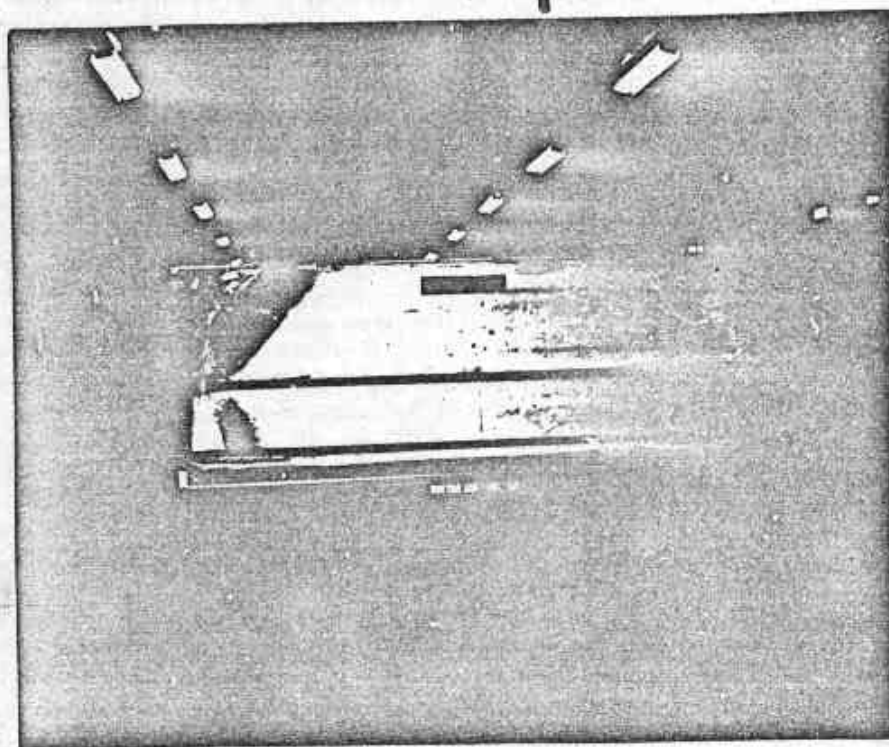
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Document No.	Fig. No.
8581	165



Document No.	Fig. No.
8581	66



Document No.	Fig. No.
8581	67