



# test report

General Motors Corporation  
General Motors Proving Ground  
Milford, Michigan 48042

## TITLE

MOVING VEHICLE TO PARKED  
VEHICLE - RIGHT SIDE IMPACT

**SAFETY RESEARCH & DEVELOPMENT LAB**  
Current Product Engineering

REPORT NO. PG 48459 DATE Sept. 30, 1985

PASSENGER CAR

TEST NO. C-6252



RECORDED VEHICLE DATA

(STRUCK VEHICLE)

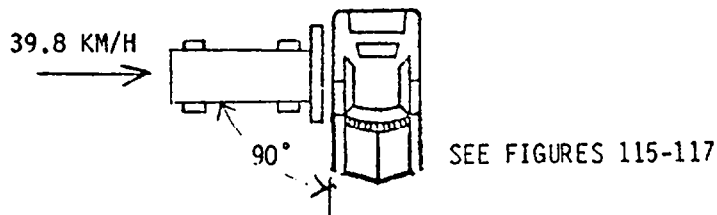
RIGHT SIDE DOOR TRIAXIAL ACCELERATION AT POINTS A, B, C AND C'  
DRIVER SIDE DOOR LATERAL ACCELERATION AT POINT A'  
RIGHT SIDE 'B' PILLAR LATERAL DISPLACEMENT  
DRIVER SIDE FLOORPAN TRIAXIAL ACCELERATION  
RIGHT SIDE TRUNK TRIAXIAL ACCELERATION

(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 298 MM REARWARD OF THE FIDUCIAL POINT. THE BUMPER HEIGHT OF THE STRIKING VEHICLE WAS 394 MM FROM THE BOTTOM EDGE TO GROUND.



TEST DUMMY MODIFICATION (GM50SI)

THE DUMMIES' RIGHT ARM, SHOULDER CLAVICLE, ENSOLITE CHEST PAD, LEATHER B13 AND ALL LEATHER STERNUM STIFFENERS WERE REMOVED PRIOR TO TEST. PADDING TO RIGHT SHOULDER CLAVICLE CAVITY, TWO RIB POTENTIOMETERS, ONE LOWER SPINE ACCELEROMETER AND TWO RIB ACCELEROMETERS WERE ADDED TO THE DUMMY FOR ADDITIONAL DATA. THE TOTAL WEIGHT OF THE DUMMY WAS 70.3 KG.

STRIKING VEHICLE DESCRIPTION

NHTSA - DEVELOPED CRUSHABLE MOVING BARRIER WITH ENERGY ABSORBING FACE. THE ABSORBING FACE IS MADE OF 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	466 rwd, 546 up	127, 128
A'	Driver Side Door - Inner Panel, Inner Surface	466 rwd, 546 up	
B	Right Side Door - Inner Panel, Inner Surface	382 rwd, 375 up	127, 128
C	Right Side Door - Inner Panel, Inner Surface	298 rwd, 204 up	127, 128
	Center 'B' Pillar - Inner Panel, Right Side at Beltline	ND	
	Floorpan Inner Surface - Driver Side	ND	
	Trunk Inner Surface - Passenger Side	ND	
C'	Right Side Door - Inner Foam Panel, Inner Surface	298 rwd, 204 up	

VEHICLE DATA

<u>Residual Lateral Displacement</u>	<u>Displacement (mm)</u>
(Door Outer Surface)	
Right Side Door at Occupant Shoulder (Pt. A)	284
Right Side Door at Occupant Mid Torso (Pt. B)	399
Right Side Door at Occupant Hip (Pt. C)	418
(Door Inner Surface)	
Right Side Door at Occupant Shoulder (Pt. A)	315
Right Side Door at Occupant Mid Torso (Pt. B)	397
Right Side Door at Occupant Hip (Pt. C)	397

POST TEST OBSERVATIONS

- o THE PASSENGER SIDE DOOR REMAINED LATCHED.  
THE DOOR HINGES REMAINED INTACT AND ATTACHED.
- o THE PASSENGER SIDE 'B' PILLAR TO ROCKER AND ROOF JOINTS REMAINED INTACT.
- o THE INSTRUMENT PANEL SEPARATED (SEE FIGURE 139).
- o THE HINGE PILLAR TO ROCKER AND 'A' PILLAR JOINTS REMAINED INTACT.
- o THE SEAT ADJUSTERS REMAINED ATTACHED TO THE BODY.

## 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>NA</u>	<u>NA</u>
HIP	<u>NA</u>	<u>NA</u>
KNEE	<u>NA</u>	<u>NA</u>
<u>RIGHT FRT PASSENGER</u>		
HEAD	<u>3250</u>	<u>1350</u>
HIP	<u>3084</u>	<u>682</u>
KNEE	<u>2684</u>	<u>776</u>

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

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ACCELERATION, VELOCITIES & DISPLACEMENTS (STRUCK VEHICLE)FIGURE  
NUMBERRIGHT SIDE DOOR AT POINT, A, B, C AND C'

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 INSTRUMENTATION (STRUCK VEHICLE)RIGHT FRONT DUMMY

60 HEAD ACCELERATION  
61 CHEST ACCELERATION  
62 PELVIC ACCELERATION  
63 LOWER SPINE ACCELERATION  
64-65 RIB ACCELERATION  
66-67 RIB DISPLACEMENT  
68 CONTACTS

NOTE: DUE TO THE MOUNTING LOCATION OF THE ACCELEROMETERS AT POINTS A, B; C, & C', ROTATION OF THE ACCELEROMETER MAY OCCUR DURING IMPACT. THEREFORE THE TRANSDUCER MAY NOT CONTINUE TO SENSE THE ACCELERATION IN THE DIRECTION ORIGINALLY INTENDED.

ACCELERATION, VELOCITIES & DISPLACEMENTS (STRUCK BARRIER)

FIGURE  
NUMBER

BARRIER FRONT

69-75 ACCELERATIONS  
76-81 1ST INTEGRATION OF ACCELERATION  
82-87 2ND INTEGRATION OF ACCELERATION

BARRIER MID

88-94 ACCELERATIONS  
95-101 1ST INTEGRATION OF ACCELERATION  
102-108 2ND INTEGRATION OF ACCELERATION

FILM ANALYSIS

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

PHOTOGRAPH INDEXFIGURE  
NUMBERPRE TEST PHOTOGRAPHS

115-117 OVERALL OF CONFIGURATION  
(STRUCK VEHICLE)

118-121 IMPACT SIDE WITH STRIKING BARRIER  
122 IMPACT AREA WITHOUT STRIKING BARRIER  
123 DRIVER SIDE  
124-125 DUMMY AND INTERIOR  
126 INTERIOR WITHOUT DUMMY  
127 RIGHT FRONT SIDE DOOR WITH TRIM PANEL  
128 RIGHT FRONT SIDE DOOR WITHOUT TRIM PANEL

129 STRIKING BARRIER FACE

POST TEST PHOTOGRAPHS

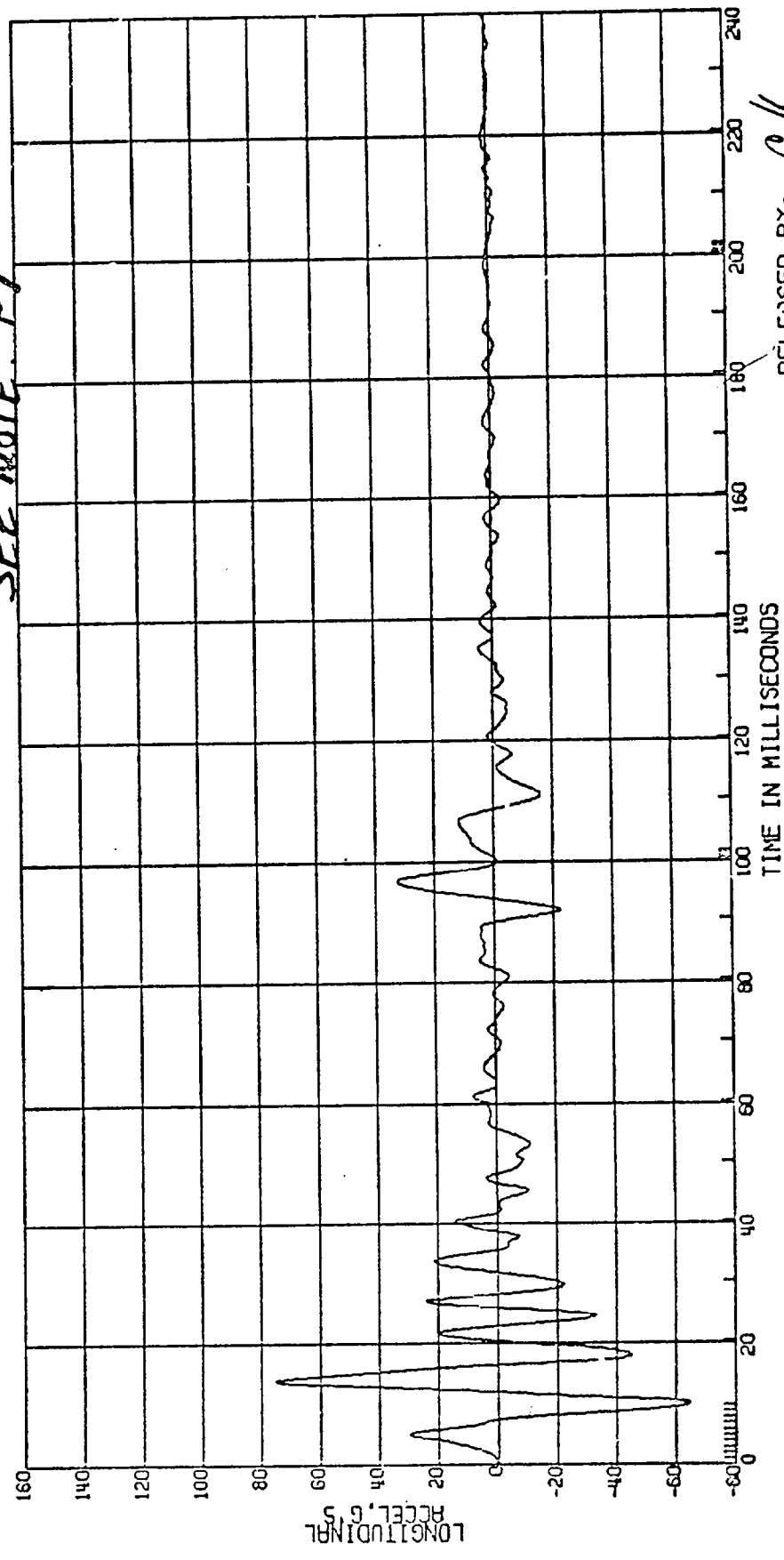
130-132 VEHICLE AND STRIKING BARRIER - OVERALL  
(STRUCK VEHICLE)

133-134 PASSENGER SIDE OVERALL  
135-137 IMPACT AREA  
138-139 DUMMY AND INTERIOR  
140-141 INTERIOR WITH DUMMY REMOVED  
142-144 INTERIOR WITH SEAT REMOVED  
145 RIGHT SIDE DOOR WITH TRIM PANEL REMOVED  
146 RIGHT SIDE DOOR WITH E.A. FOAM REMOVED  
147 UNDERBODY OVERALL  
148 UNDERBODY IMPACT AREA

149-150 STRIKING BARRIER FACE

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE /  
3613-179 F.B. UCUB3 SCX11 (STUCK VEH)  
A-D DATA SRE CLASS 60 PASS-SIDE RT.FRT.DOOR - POINT A ACCEL. TEST DATE:06-14-85

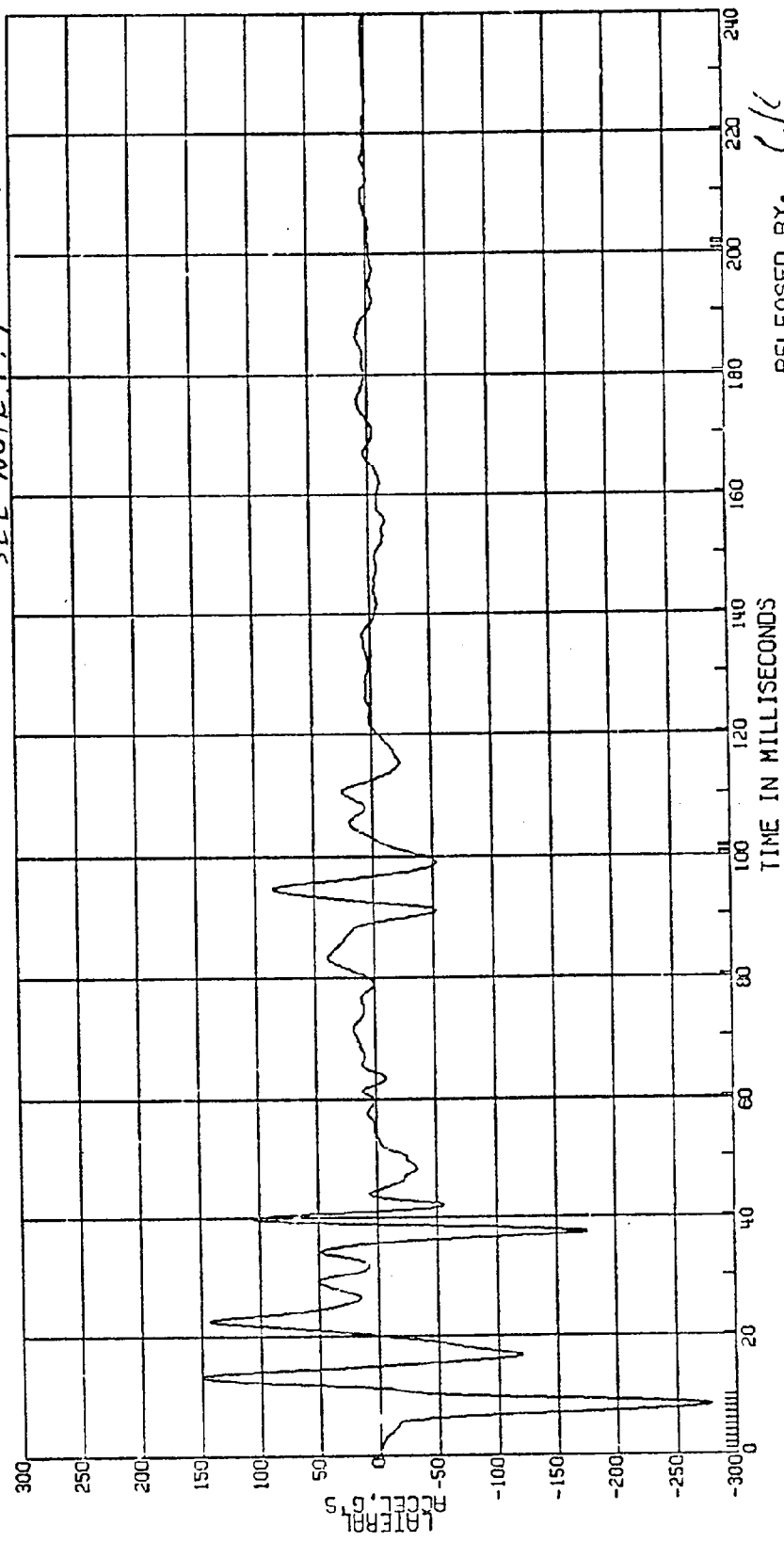
SEE NOTE: P7



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19 PROCESSED 17 JUN 85 18:17

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 2  
S865-179 PASS-SIDE RT.FRT.DOOR - POINT A ACCEL. TEST DATE:06-14-85  
P.S. ABOVE SCHEM STRUCK VEH  
R-3 DATA SEE CLASS 00

SEE NOTE P.7



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C6252A RIGHT SIDE IMPACT

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 3

3865-179

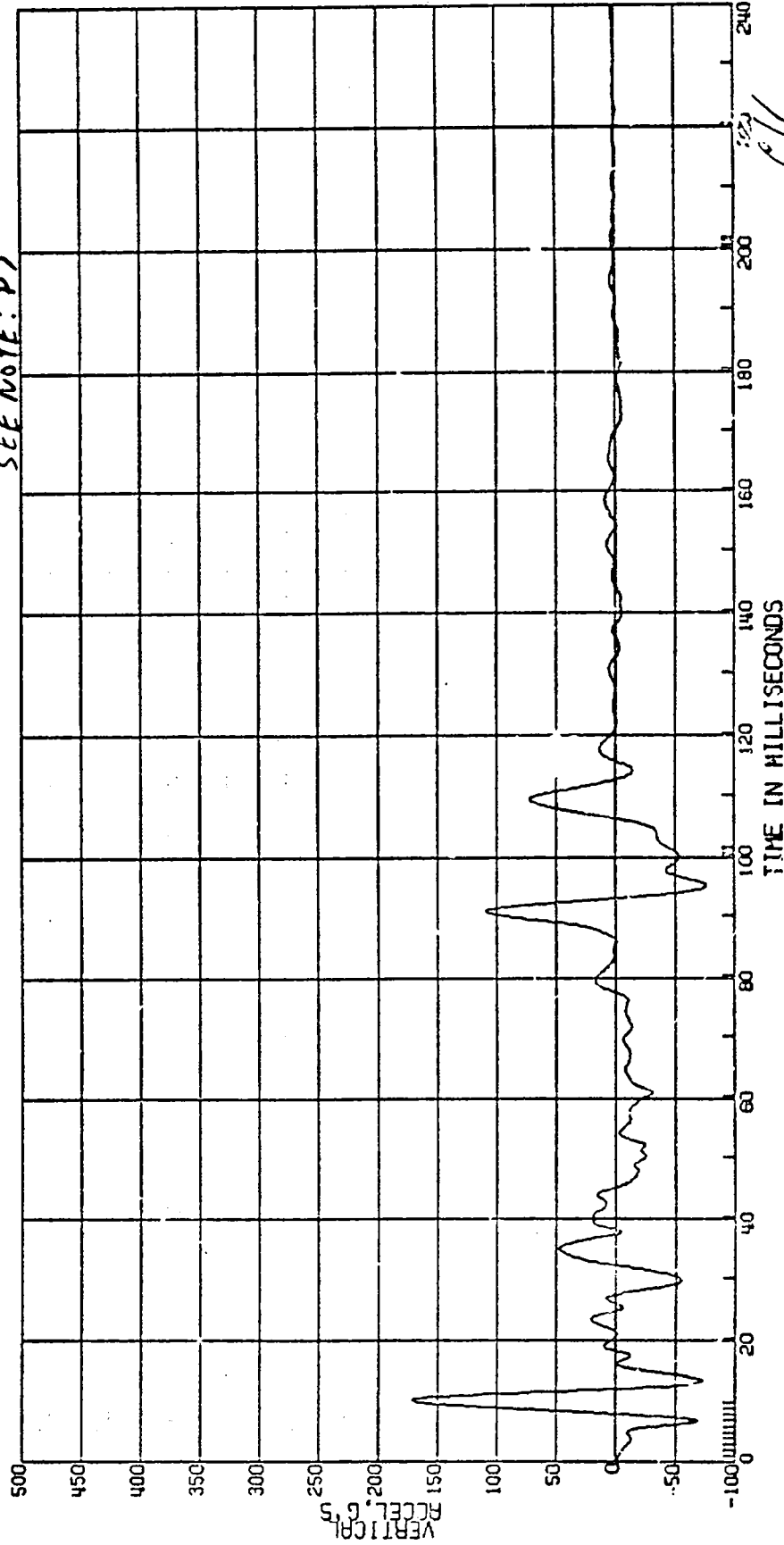
F.O. POWER BOX11 (STRUCK VEH)

PASS-SIDE RT.FRT.DOOR - POINT A ACCEL.

TEST DATE:06-14-85

A-D DATA SAE CLASS 60

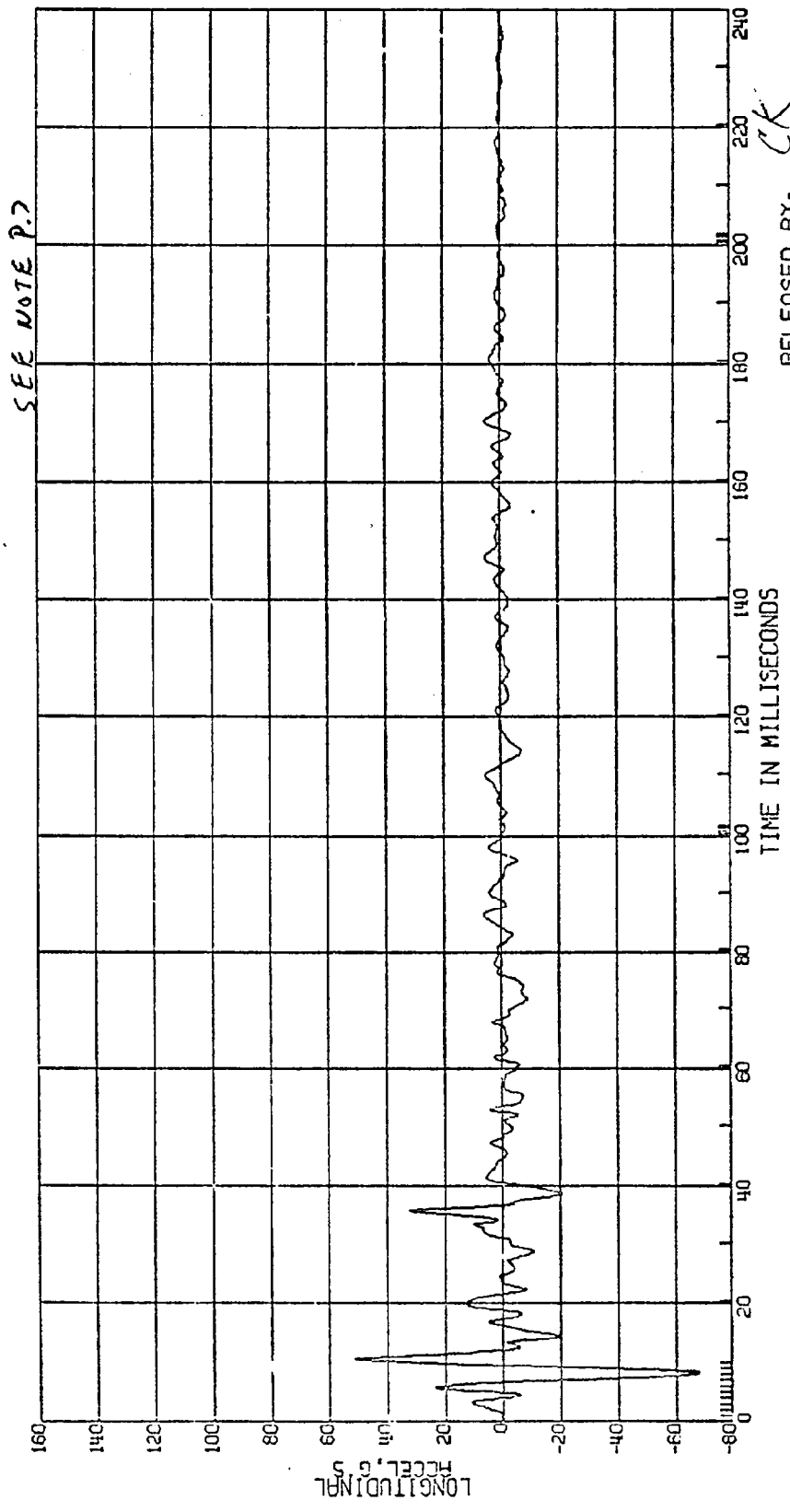
SEE NOTE: P7



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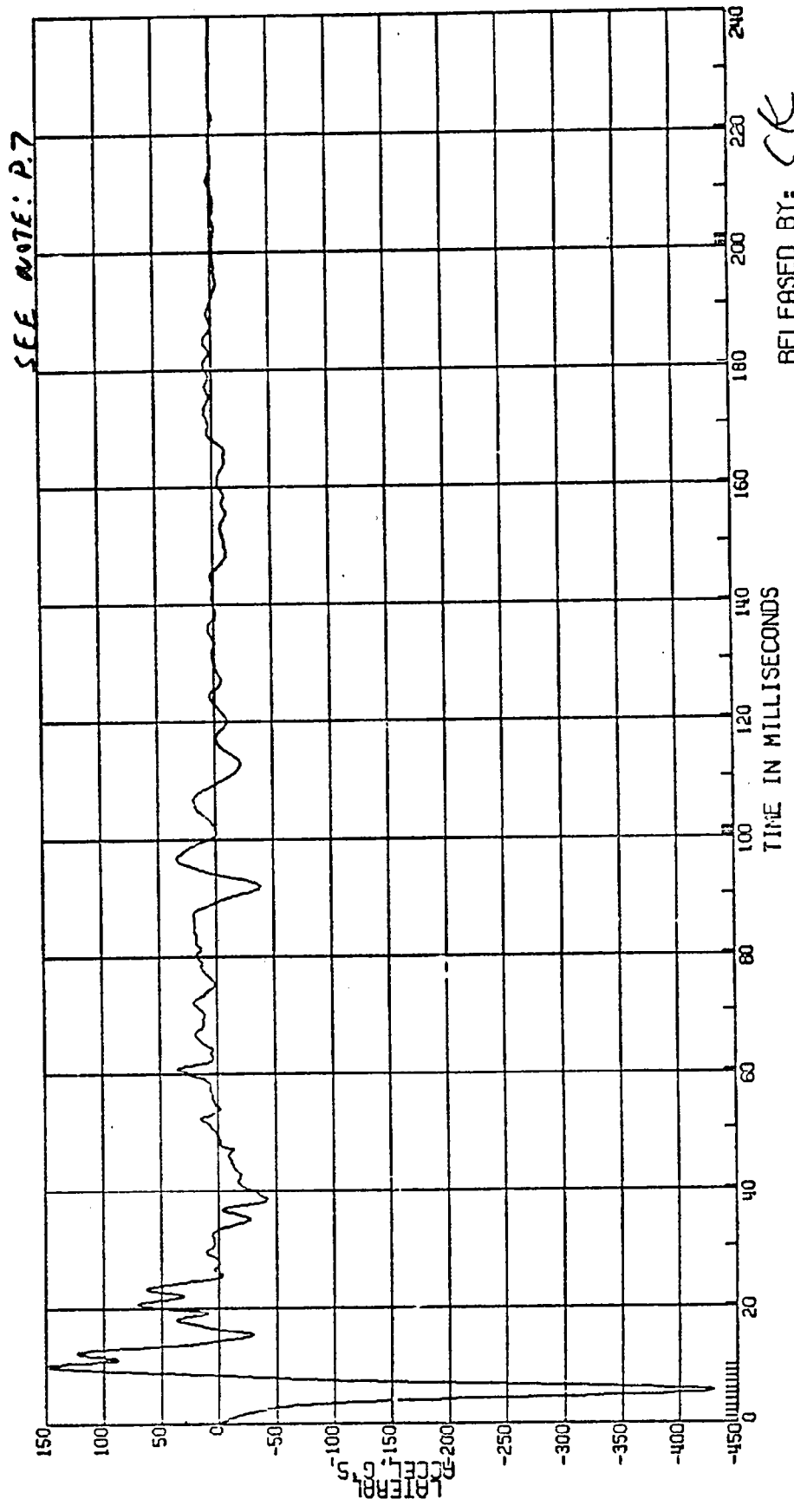
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C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 4  
3865-179  
F.B. COMPANY (STRUCK VEH)  
A-D DATA SENS CLASS 00 TEST DATE: 06-14-85



RELEASED BY: CK  
20 FEBRUARY 17 11 55 AM '85

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 5  
3865-179 PASS-SIDE RT.FRT.DOOR - POINT B ACCEL. TEST DATE:06-14-85  
F.D. BUWG 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 60

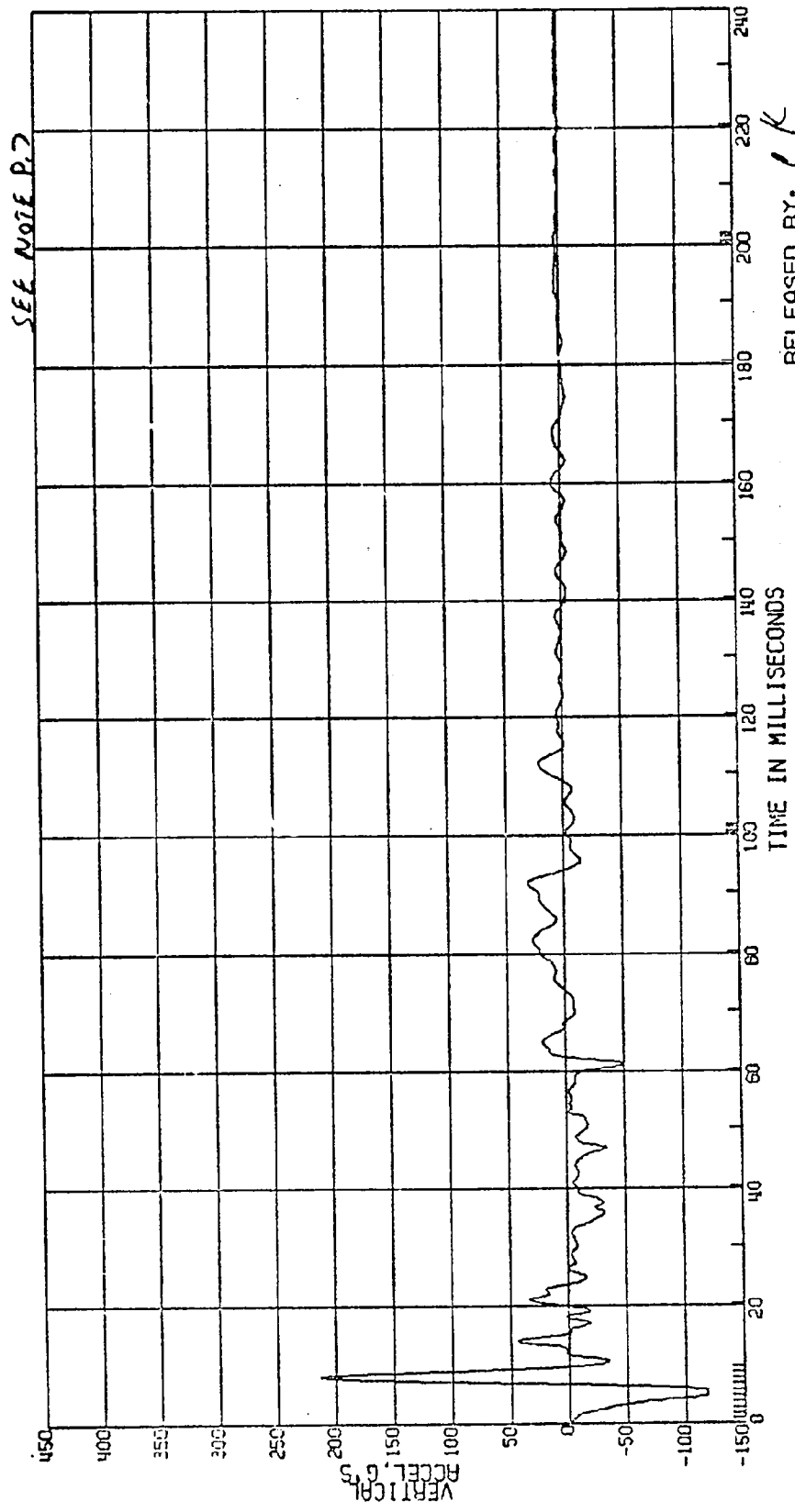


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ADDITIONAL DATA FROM TEST 06-14-85

TEST DATE: 06-14-85  
PASS-SIDE RT:FRT.DOOR - POINT B ACCEL.

VEHICLE MAKE: FORD  
VEHICLE MODEL: MUSTANG VEH  
A-D DATA GRP CLASS 60



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ON PROCESSED 17 JUN 85 18:19

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 7

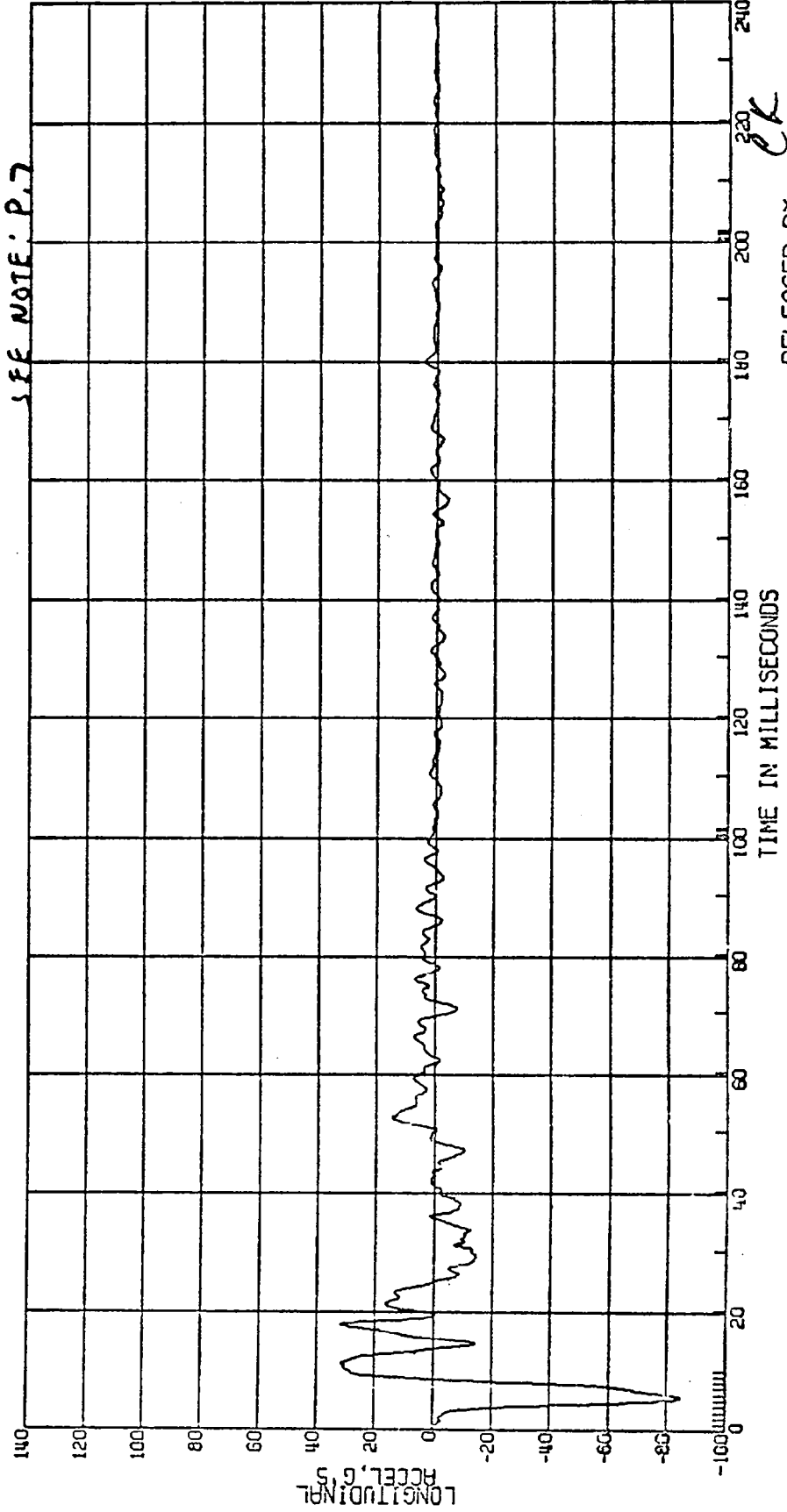
3865-179

F.O. JONES COX11 (STRUCK VEH)

A-0 DATA SAE CLASS 60

PASS-SIDE RT.FRT.DOOR - POINT C ACCEL.

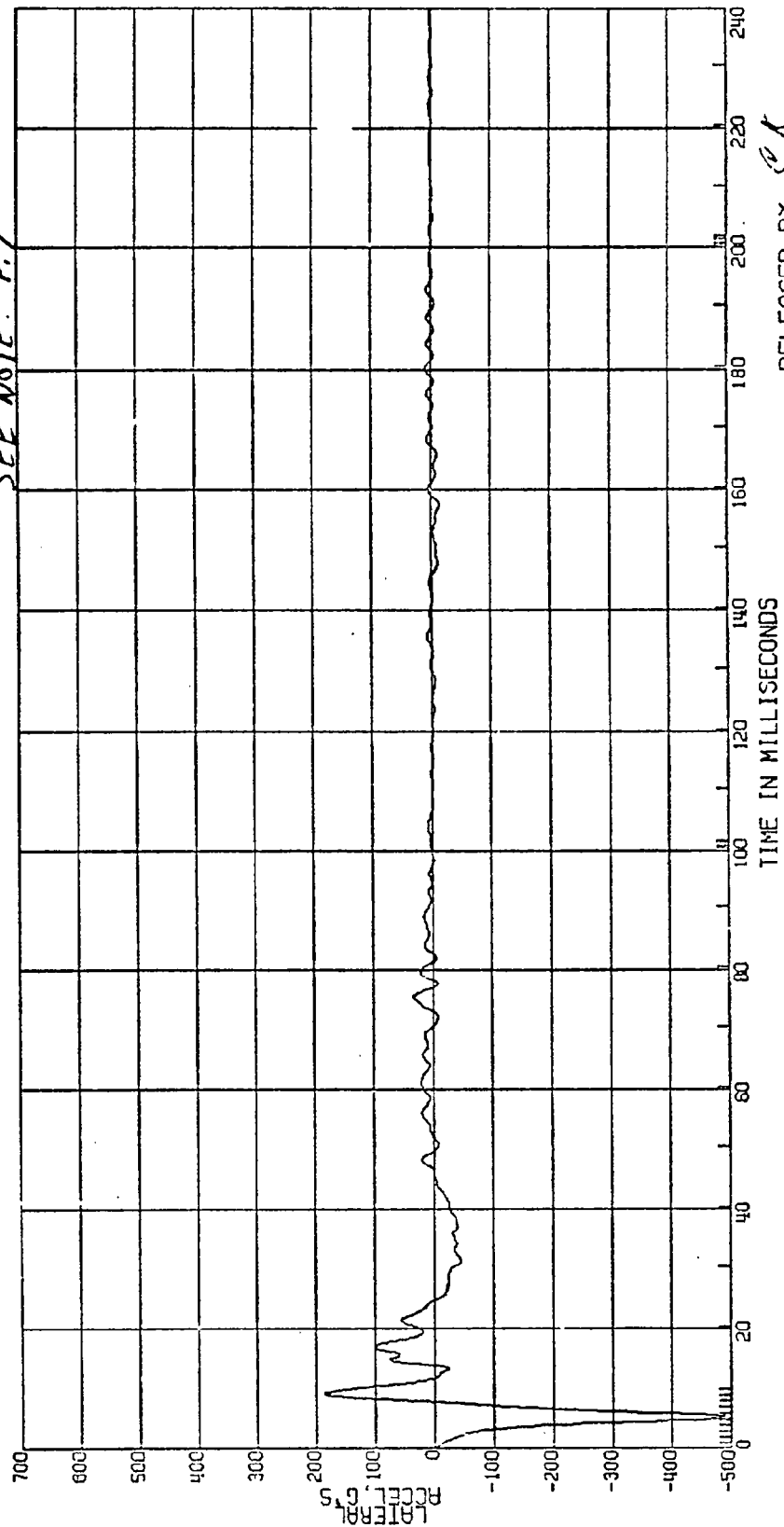
TEST DATE: 06-14-85



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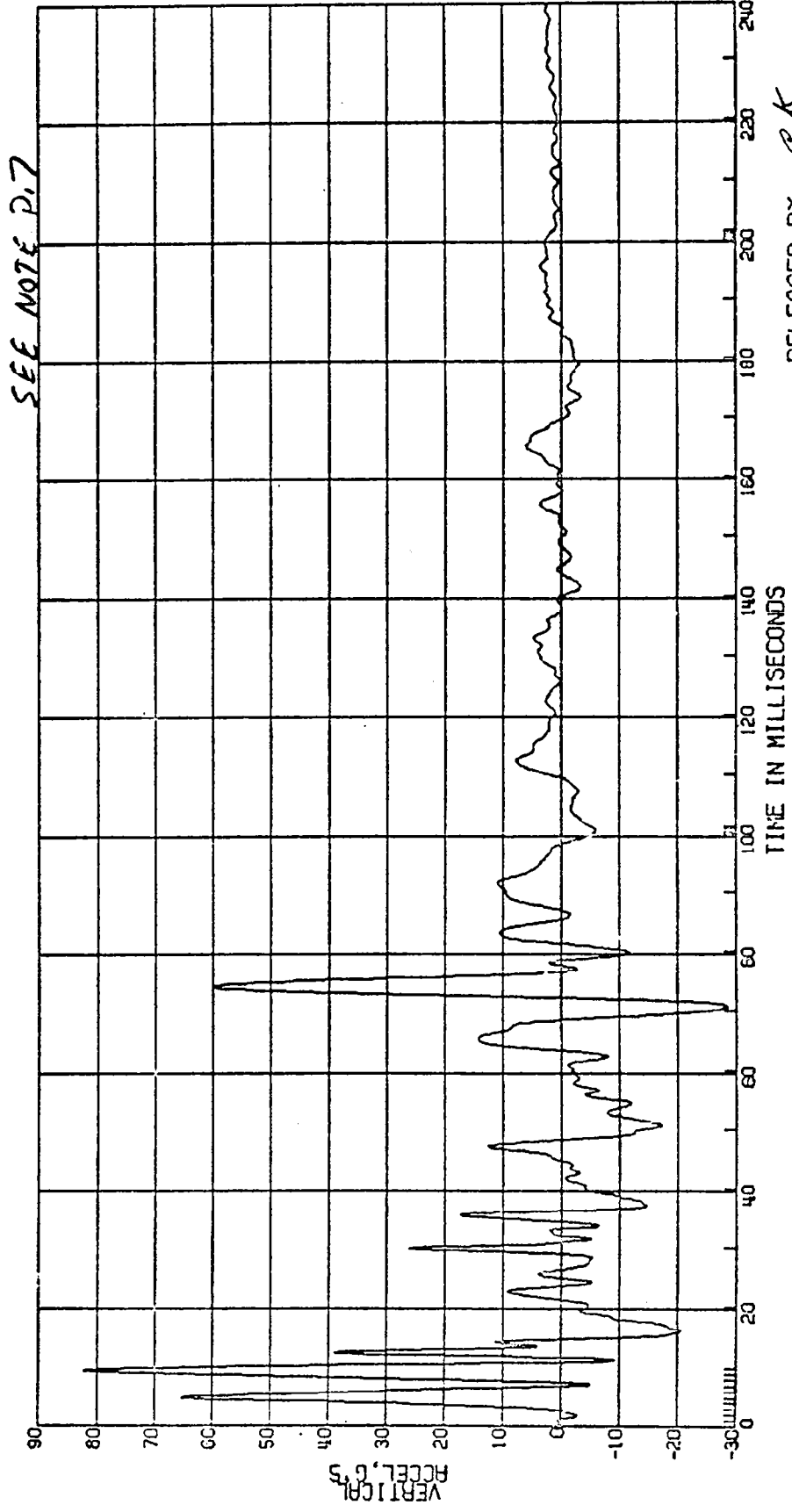
C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 8  
3865-179  
F.B. J0443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 50  
PASS-SIDE RT.FRT.DOOR - POINT C ACCEL. TEST DATE:06-14-85

SEE NOTE: P.7



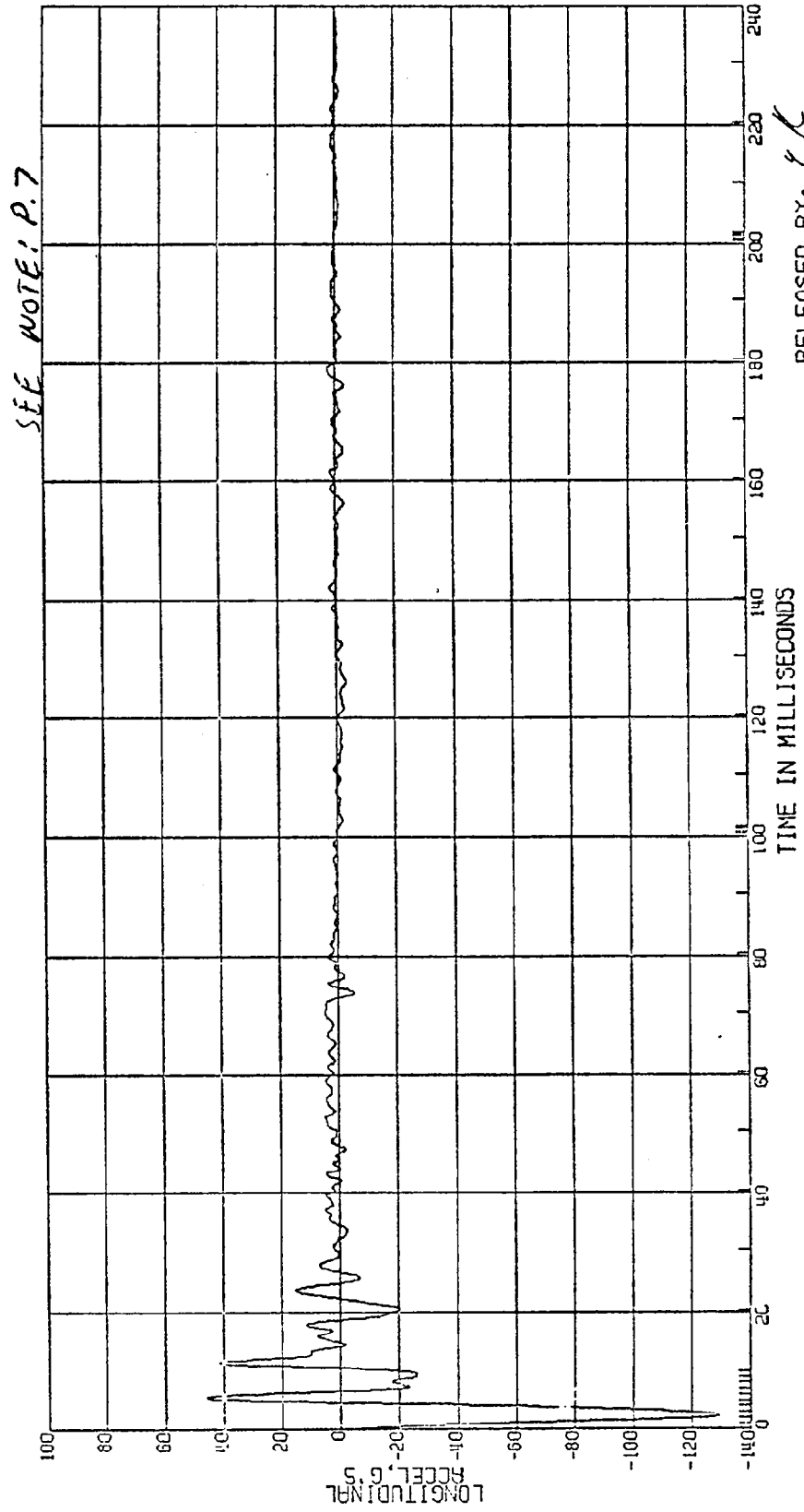
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C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 9  
3865-179  
P.S. 10003 SCV11 (STUCK VEH)  
A-D DATA SEE CLASS 6C TEST DATE: 06-14-85



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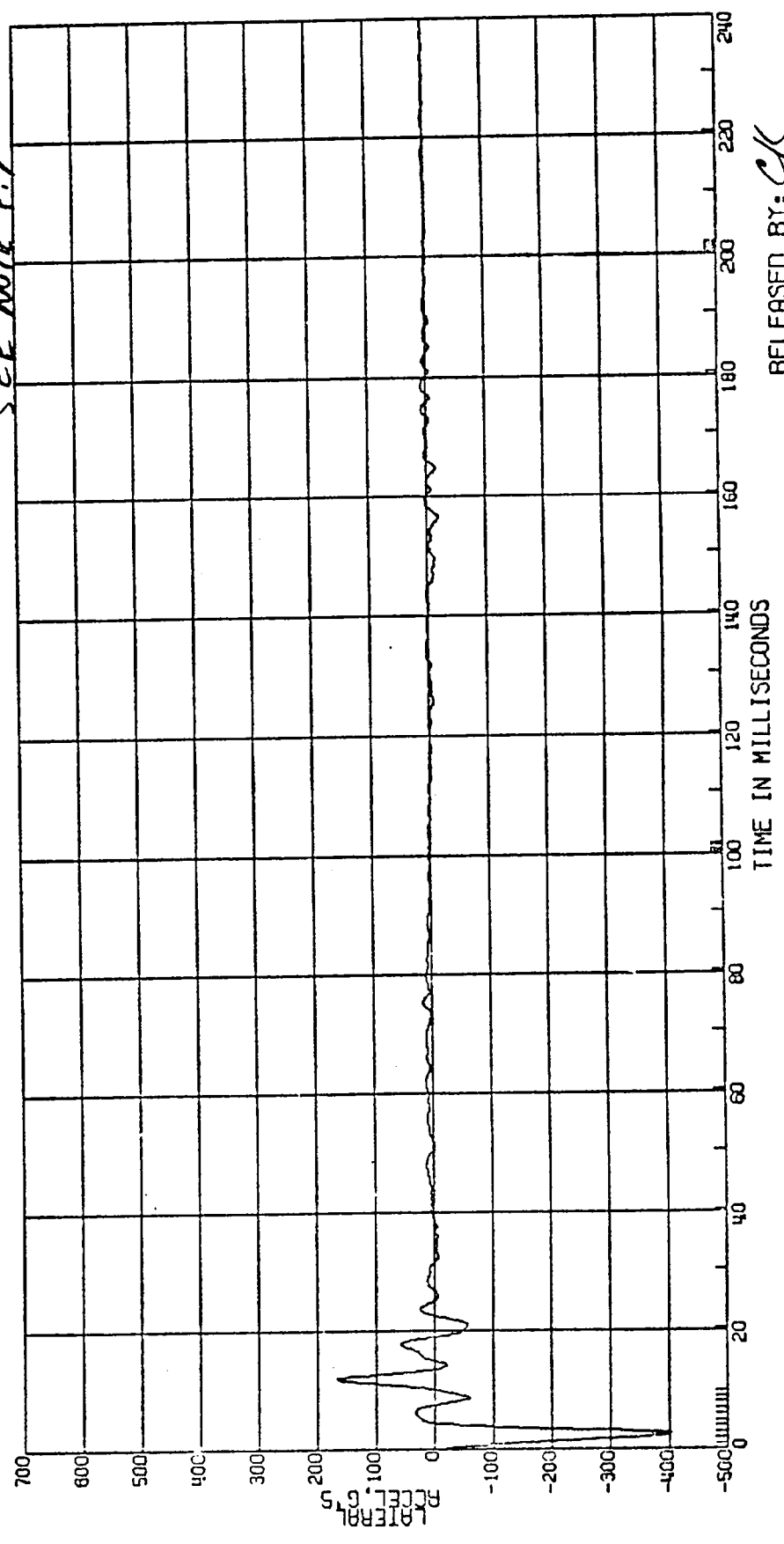
C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 10  
3865-179  
F.B. LOWE (DRIVER) STUCK VEH  
A-D DATA SAE CLF55 60 TEST DATE: 06-14-85



RELEASED BY: *ck*  
46 PROCESSED 17 JUN 85 18:22

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 11  
3865-179  
P.O. BOX 20011 (TRUCK VEH)  
A-D DATA SAE CLASS 6C TEST DATE: 06-14-85

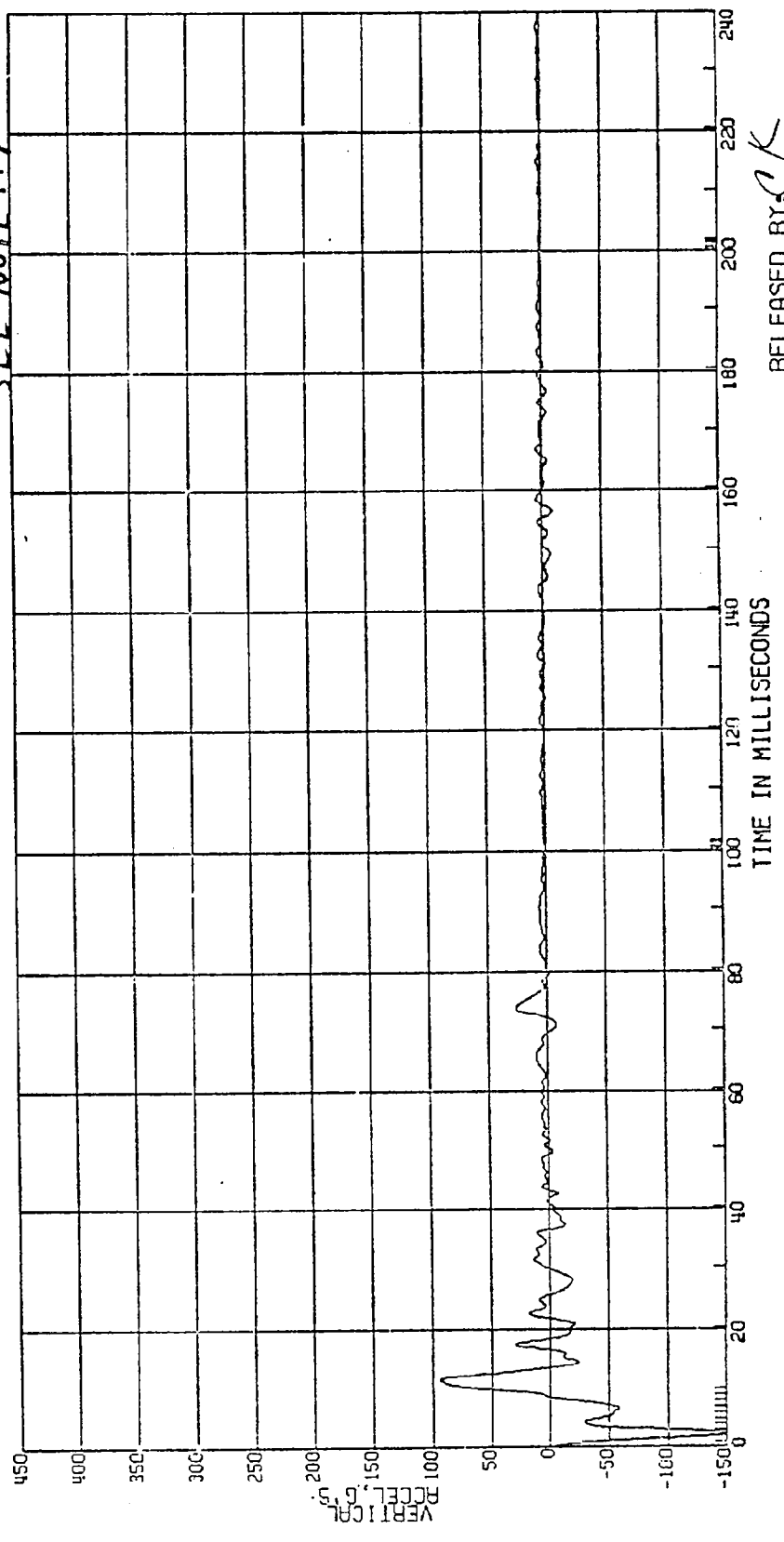
SEE NOTE P.7



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C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 12  
3665-179 F.B. BUCKS BOX1 (STUCK VEH)  
PASS-SIDE RT. FRT. DOOR - POINT C' ACCEL. TEST DATE: 06-14-85  
A-D DATA SEE CLASS 6J

SEE NOTE P.7



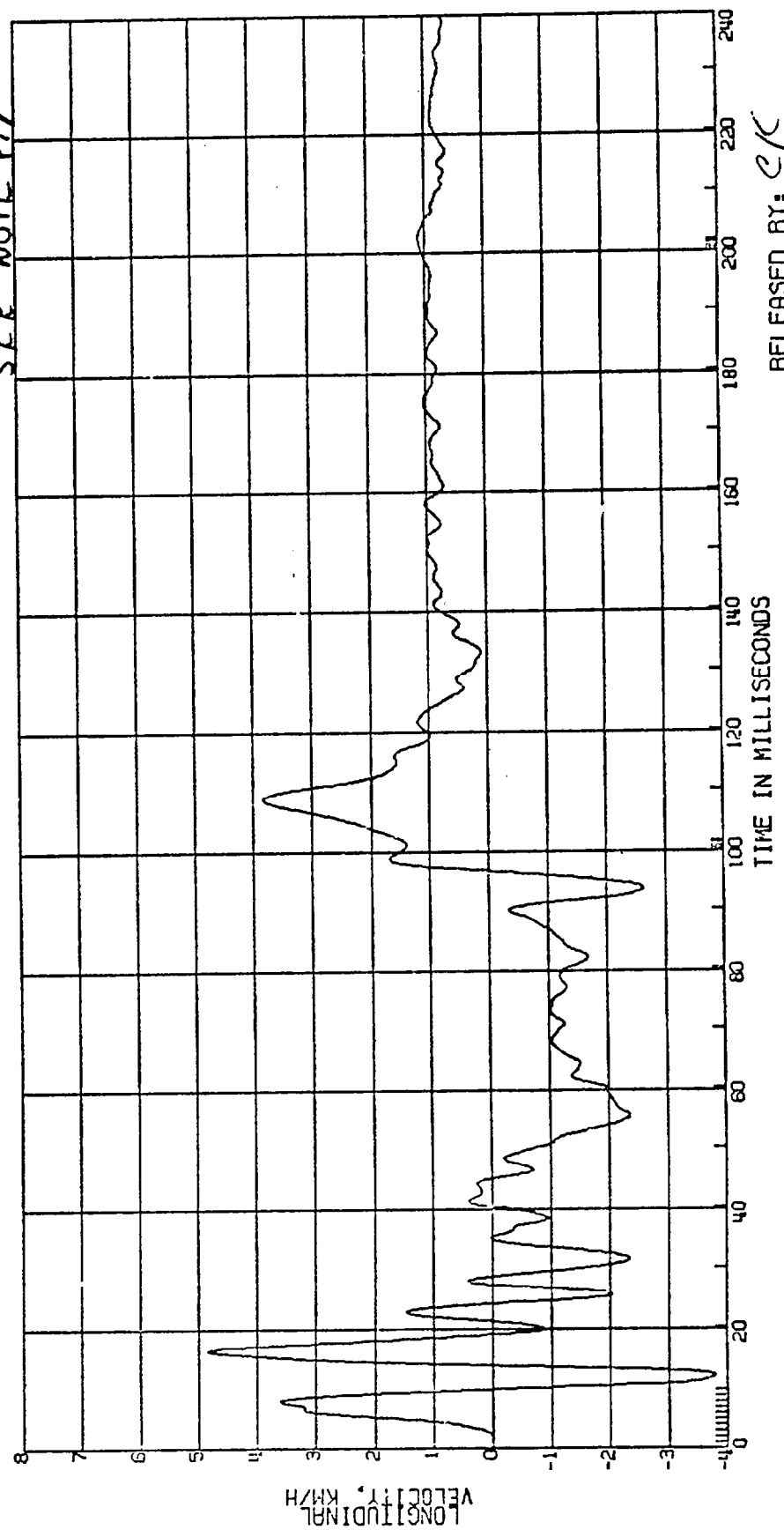
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52 PROCESSED 17 JUN 85 18124

C6252A RIGHT SIDE IMPACT  
3805-179  
F.B. LCV43 3CX11 (STRUCK VEH)  
H-D DATA SEE CLASS 130

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 13  
COMPUTED RT.FRT. DOOR-POINT A VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

TEST DATE: 06-14-85

SEE NOTE P.7



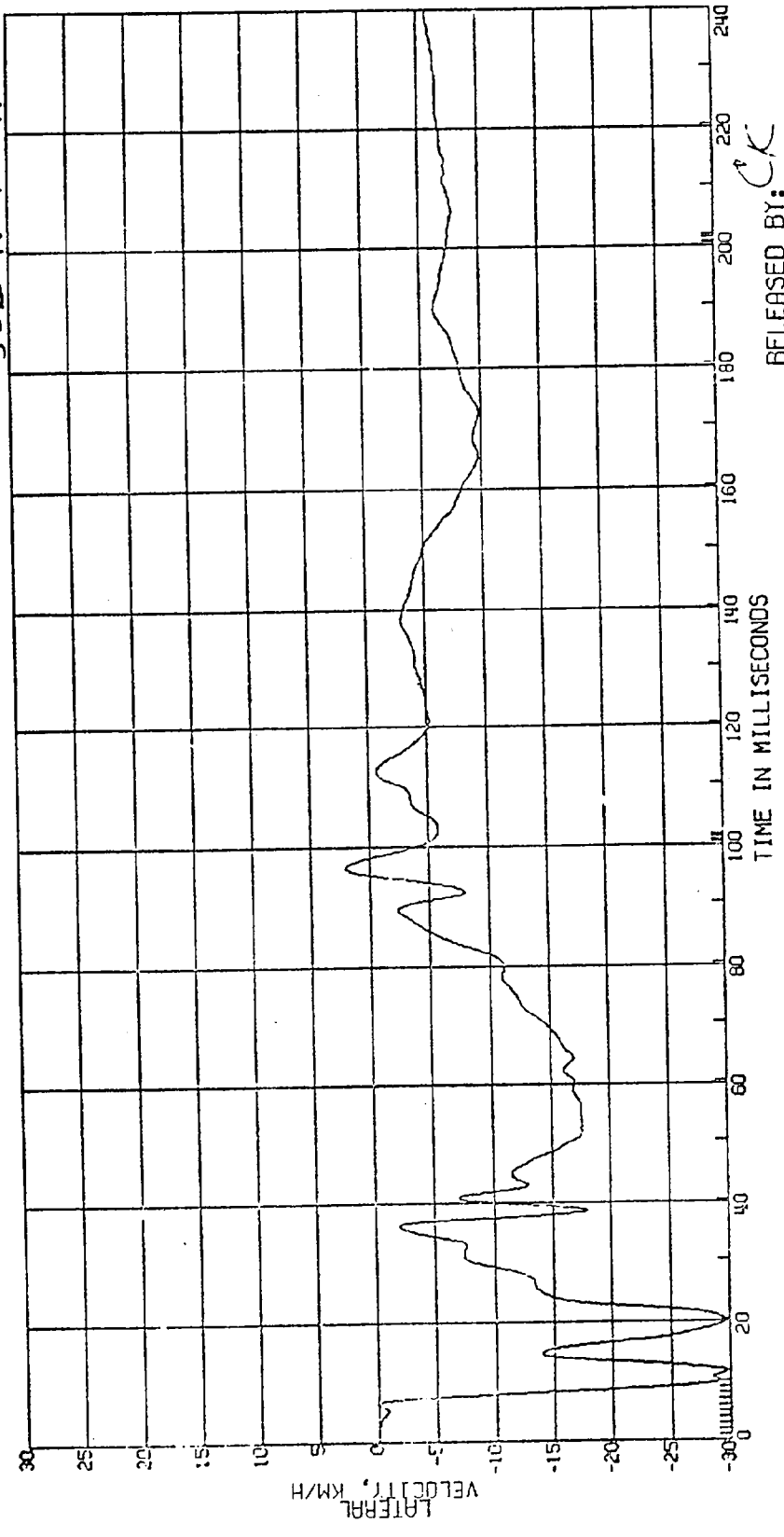
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20 PROCESSED 17 JUN 85 18:17

C6252A RIGHT SIDE IMPACT  
MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE/4

3865-179  
F.V. 3001 (STRUCK VEH)  
A-D DATA SEE CLASS 180

COMPUTED RT. FRT. DOOR-POINT A VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)  
TEST DATE: 06-14-85

SEE NOTE P.7



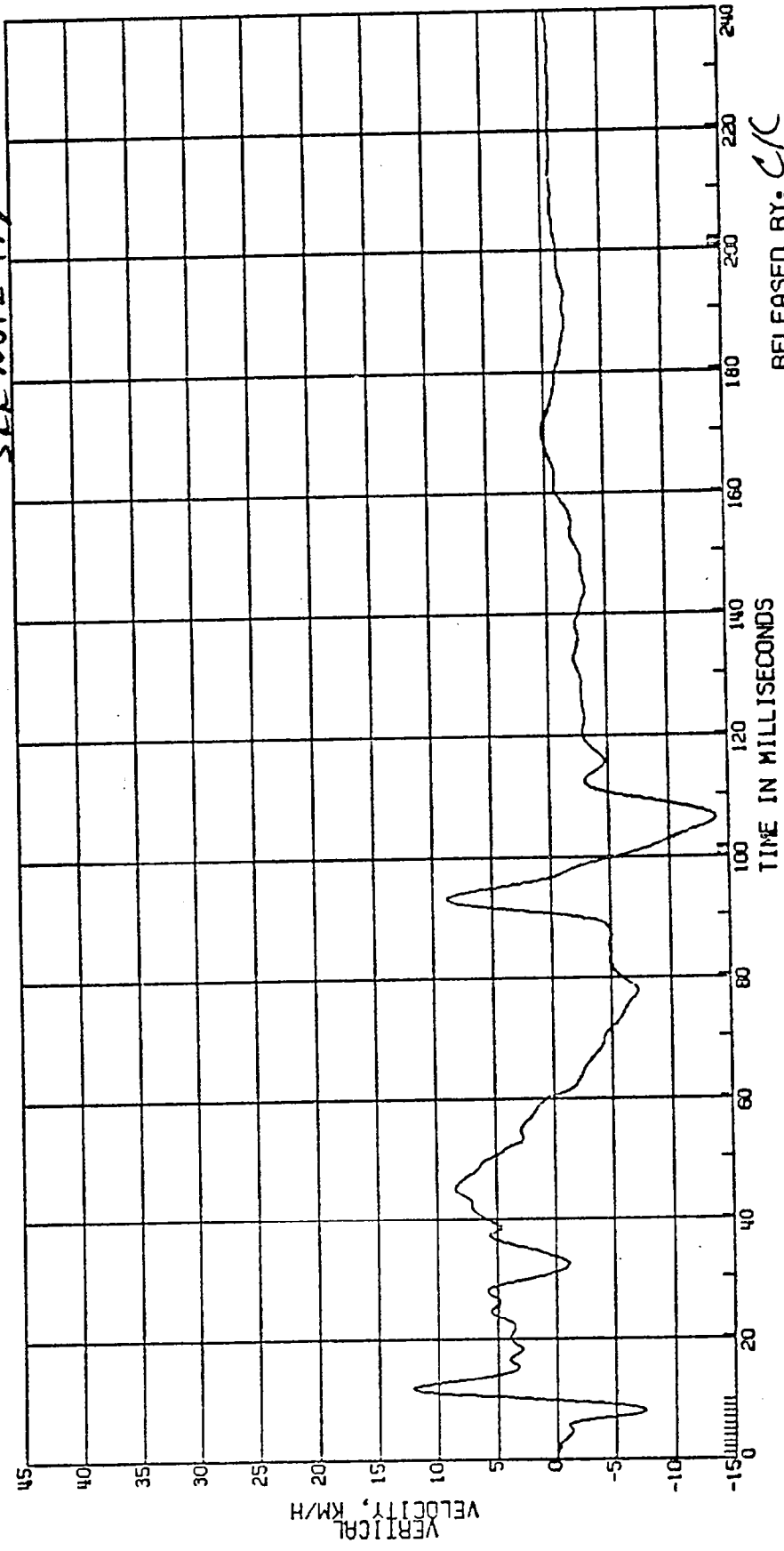
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23 PROCESSED 17 JUN 85 13:18

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE/S  
COMPUTED RT.FAT.DOOB-POINT A VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

C6252A RIGHT SIDE IMPACT  
3865-179  
F.D. JCELS SCX11 (STRUCK VEH)  
A-D DATA SRE CLASS 100

TEST DATE:06-14-85

SEE NOTE P.7



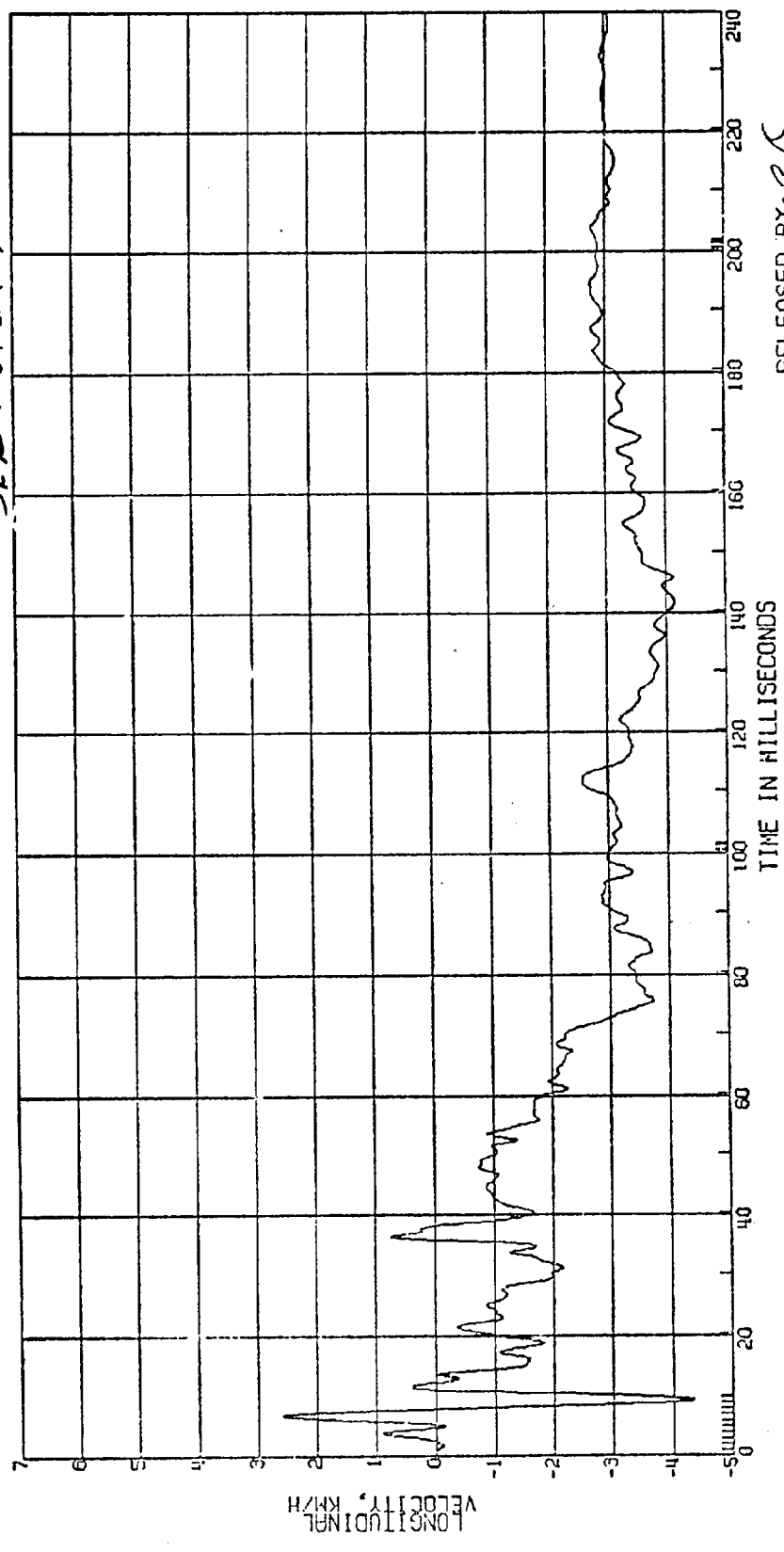
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26 PROCESSED 17 JAN 85 18:18

C6252A RIGHT SIDE IMPACT  
3865-179  
F.B. DAMAGE TO TRUCK VEH  
A-0 DATA SEE CASE 130

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 16  
COMPUTED RT. FRT. DOOR-POINT B VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

TEST DATE: 05-14-85

SEE NOTE P.7

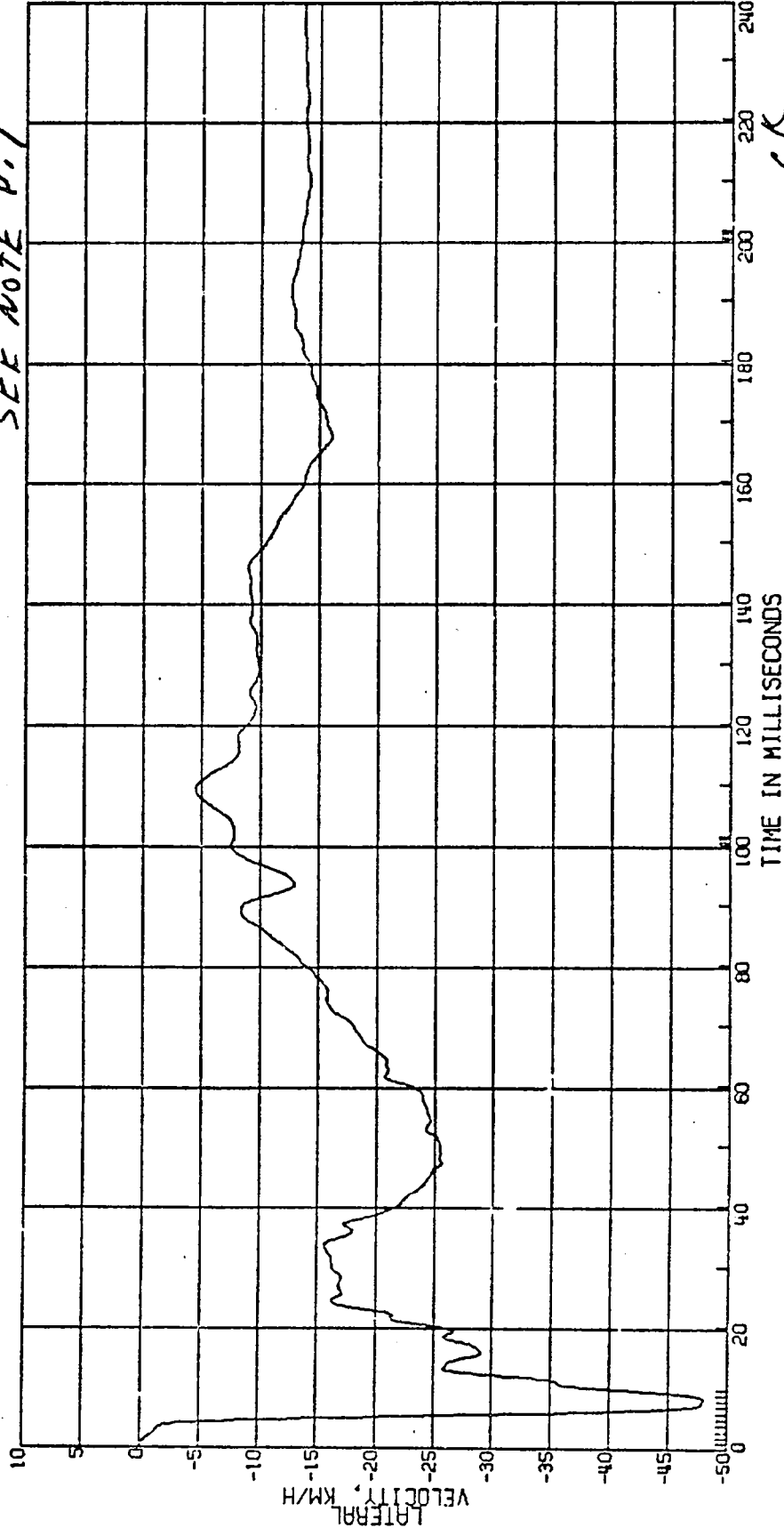


RELEASED BY: *ek*  
29 PROCESSED 17 JUN 85 18:18

C6252A RIGHT SIDE IMPACT  
3065-179  
F.B. POLICE FOXD STRUCK VEH  
A-D DATA ONE CLASS 130

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 17  
COMPUTED RT.FRT. DOOR-POINT B VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)  
TEST DATE:06-14-85

SEE NOTE P.7



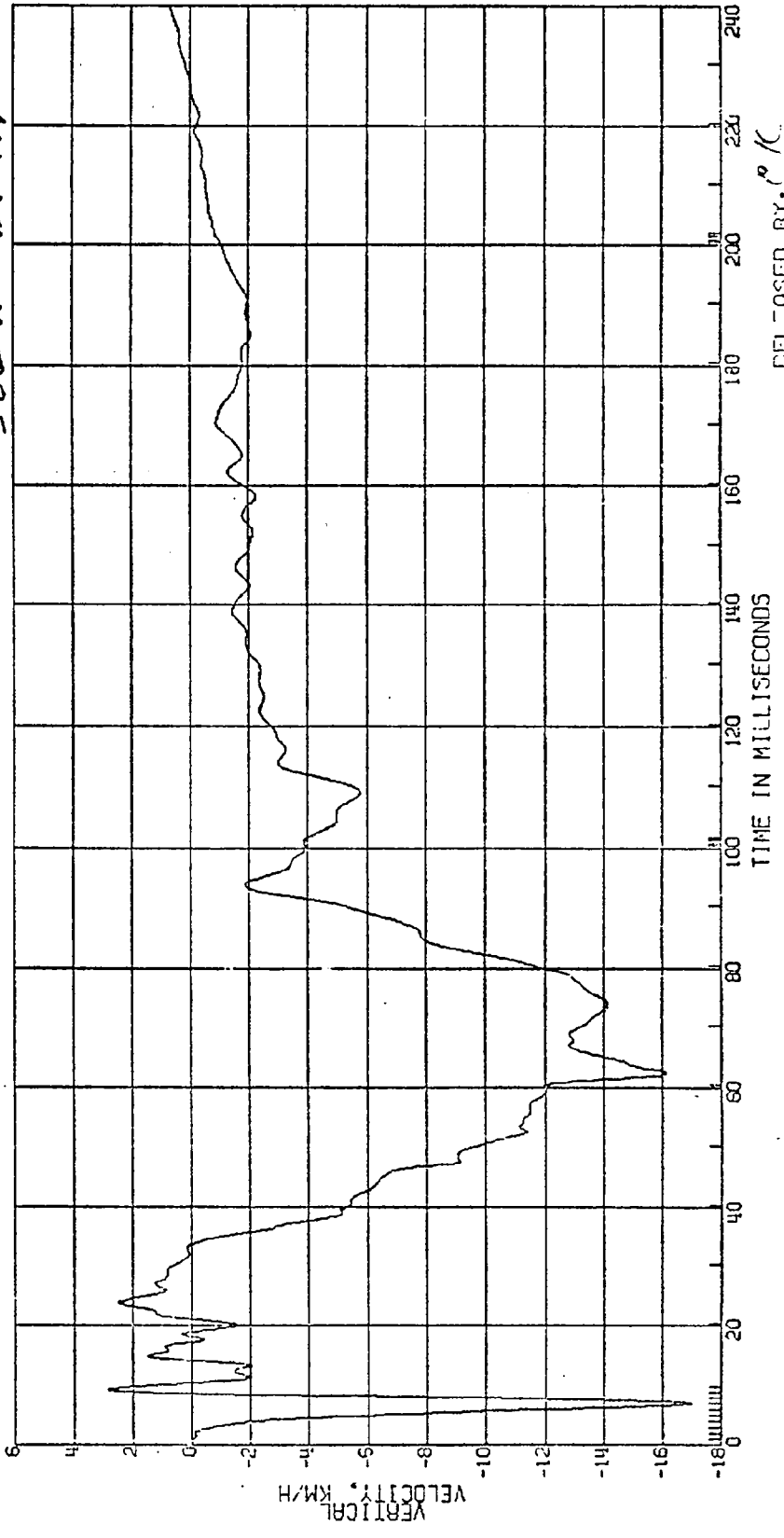
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32 PROCESSED 17 JUN 85 18:19

C6252A RIGHT SIDE IMPACT  
3865-179  
F.B. 10000 00000 STRUCK VEH  
A-D DATA USE CLASS 100

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 18  
COMPUTED RT. FRT. OCCR-POINT B VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

TEST DATE: 06-14-85

SEE NOTE: P.7

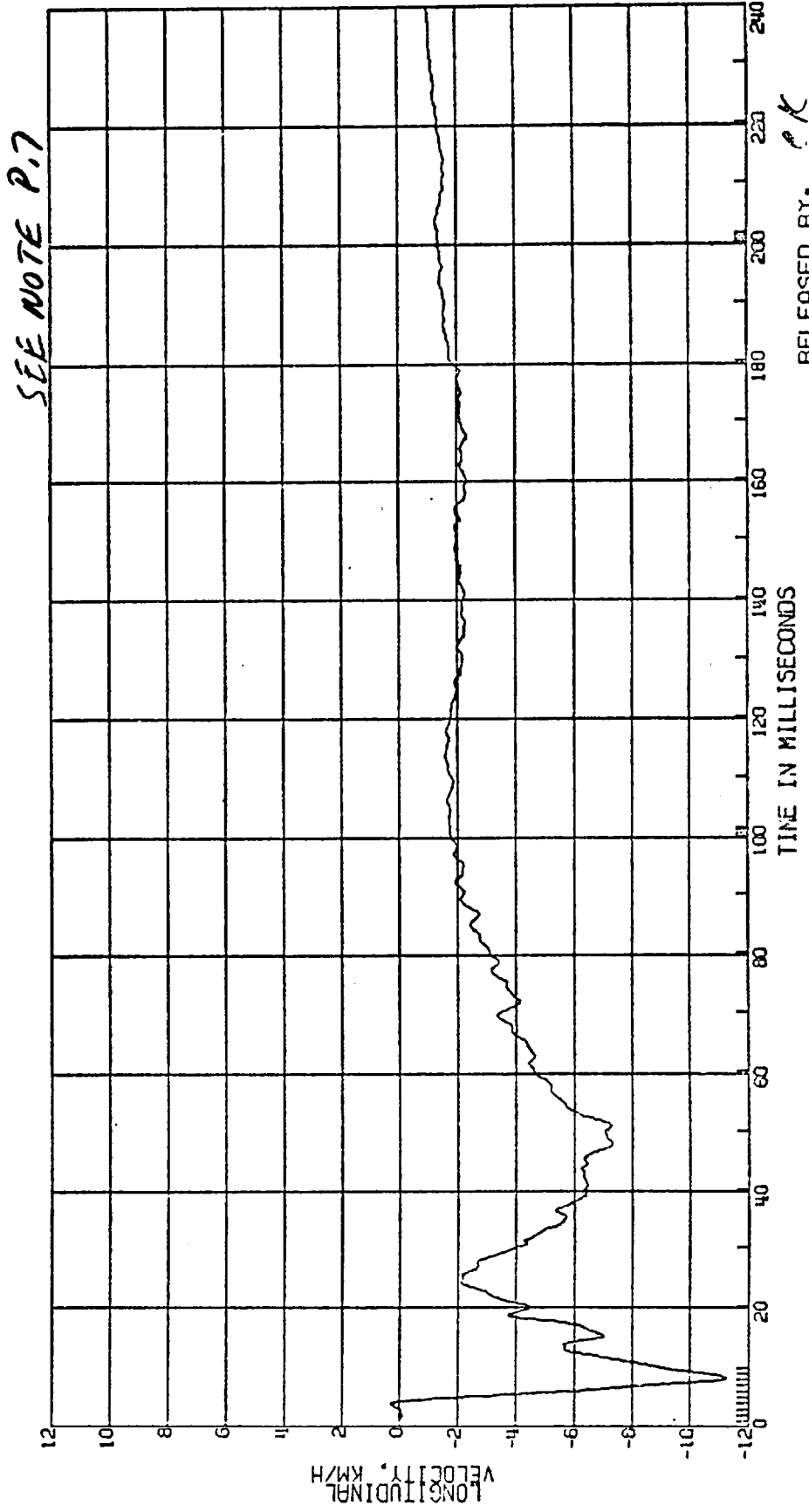


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C6252A RIGHT SIDE IMPACT  
3865-179  
F. R. DAMAGE SCORE: 15 (STUCK VEH)  
A-U DATA SAE CLASS 130

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 19  
COMPUTED RT. FRT. DOOR-POINT C VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

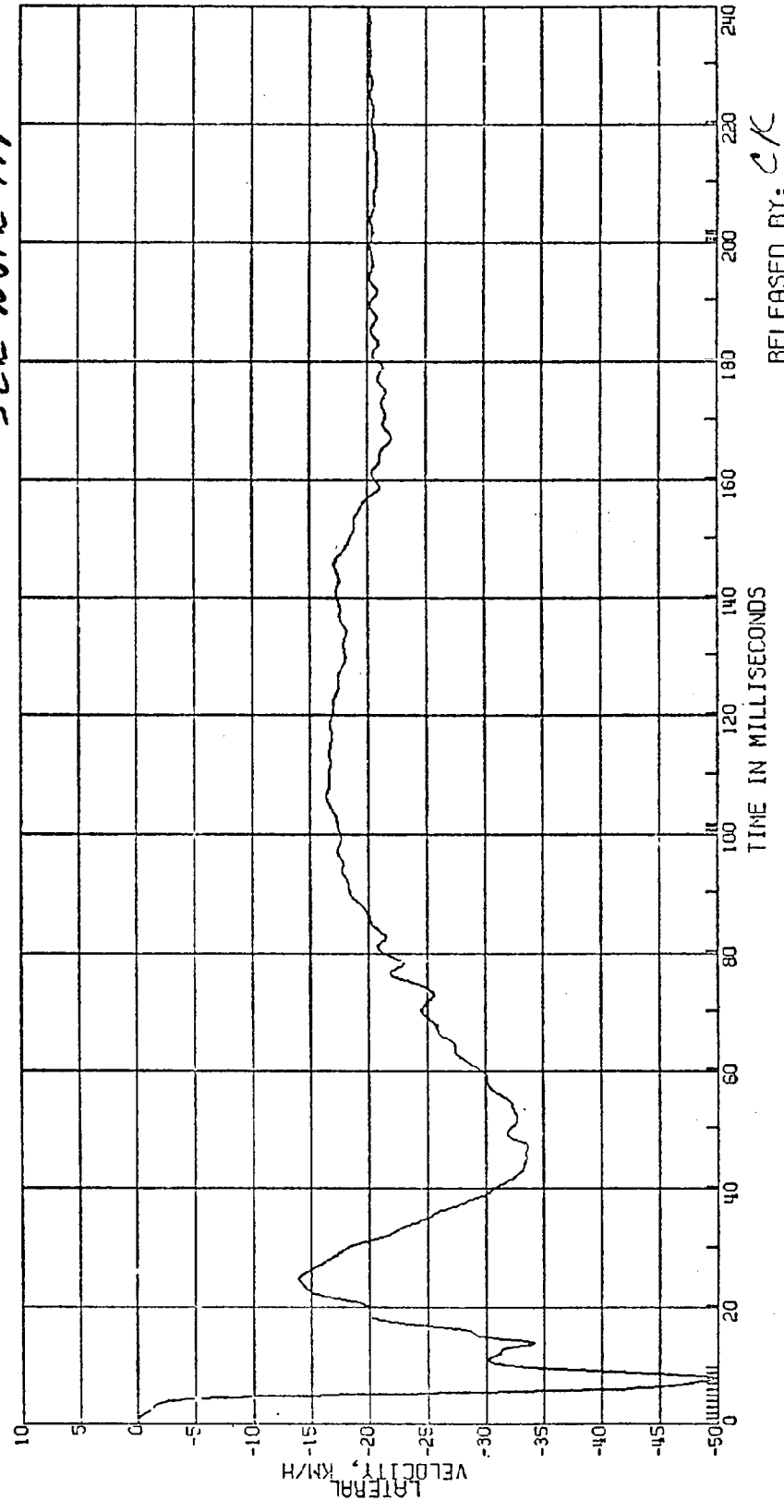
TEST DATE: 06-14-85



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ON 11/07/2017 2:05:10 PM

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 2 O  
3865-179  
F.B. UOULS. BOX. (STUCK VEH)  
A-D DATA SEE CLASS 100  
COMPUTED RT. FAT. 000R-POINT C VELOCITY TEST DATE: 06-14-85  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

SEE NOTE P.7

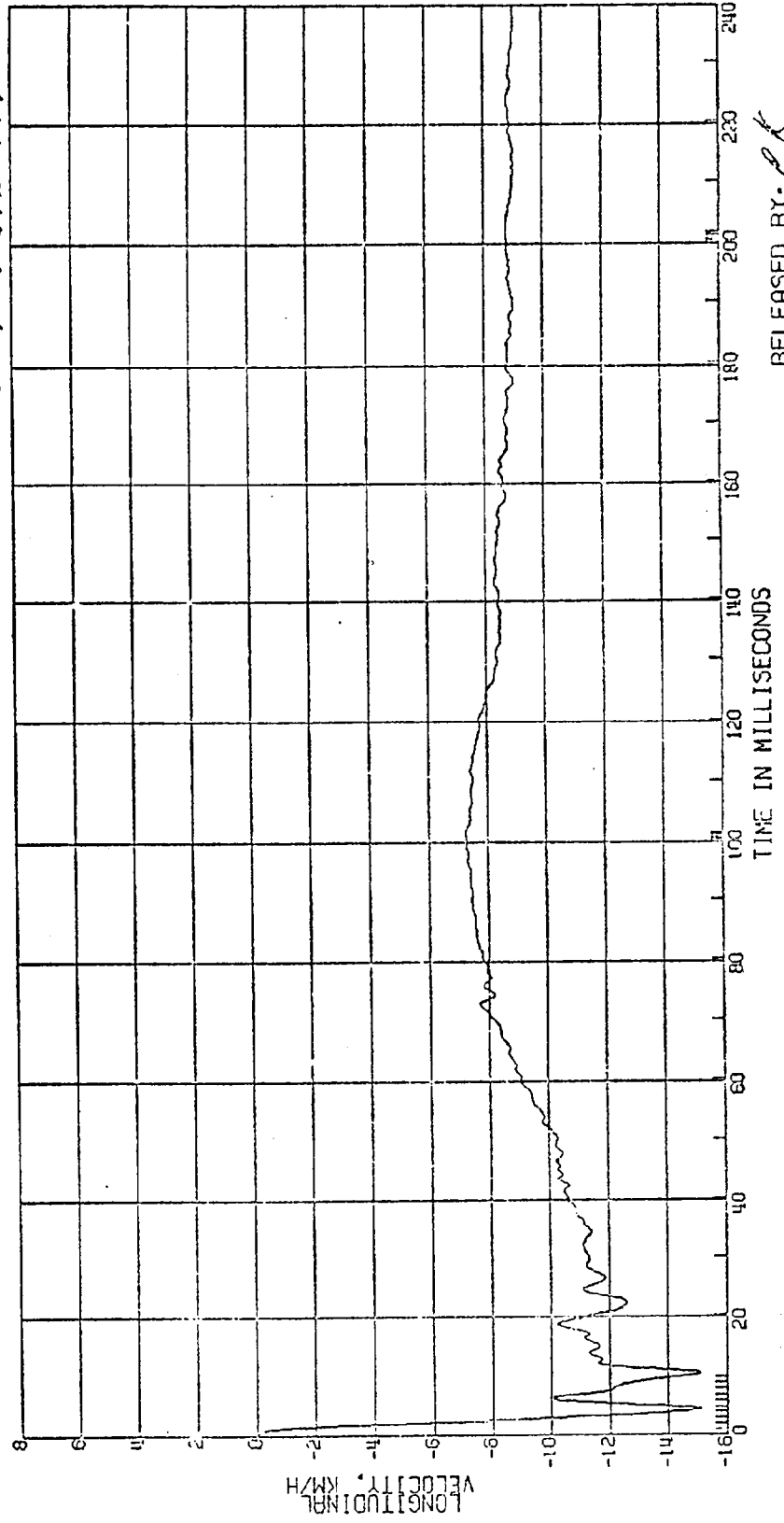


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C6252A RIGHT SIDE IMPACT      MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 22  
3865-179  
F.B. UCW93 3C411 STRUCK VEH  
R-U DATA CASE CLASS 180      TEST DATE: 06-14-85  
COMPUTED RT. FRT. DOOR-POINT C: VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

SEE NOTE P.7

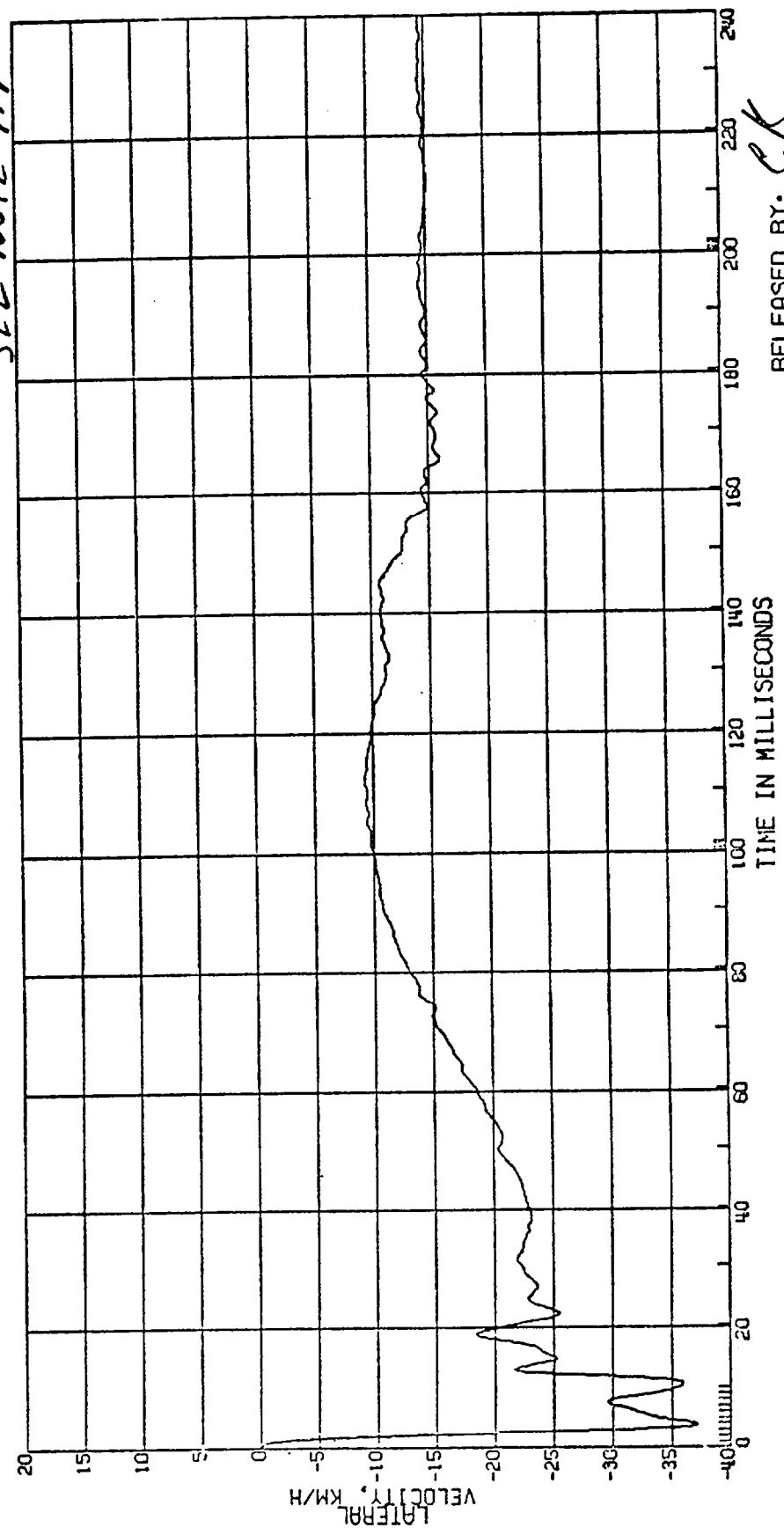


C6252A RIGHT SIDE IMPACT  
3865-179  
F.O. NUMBER 80311 (STRUCK VEH)  
R-D DATA SEE CLASS 160

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 23  
COMPUTED RT.FRT.DOOOR-POINT C' VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

TEST DATE:06-14-65

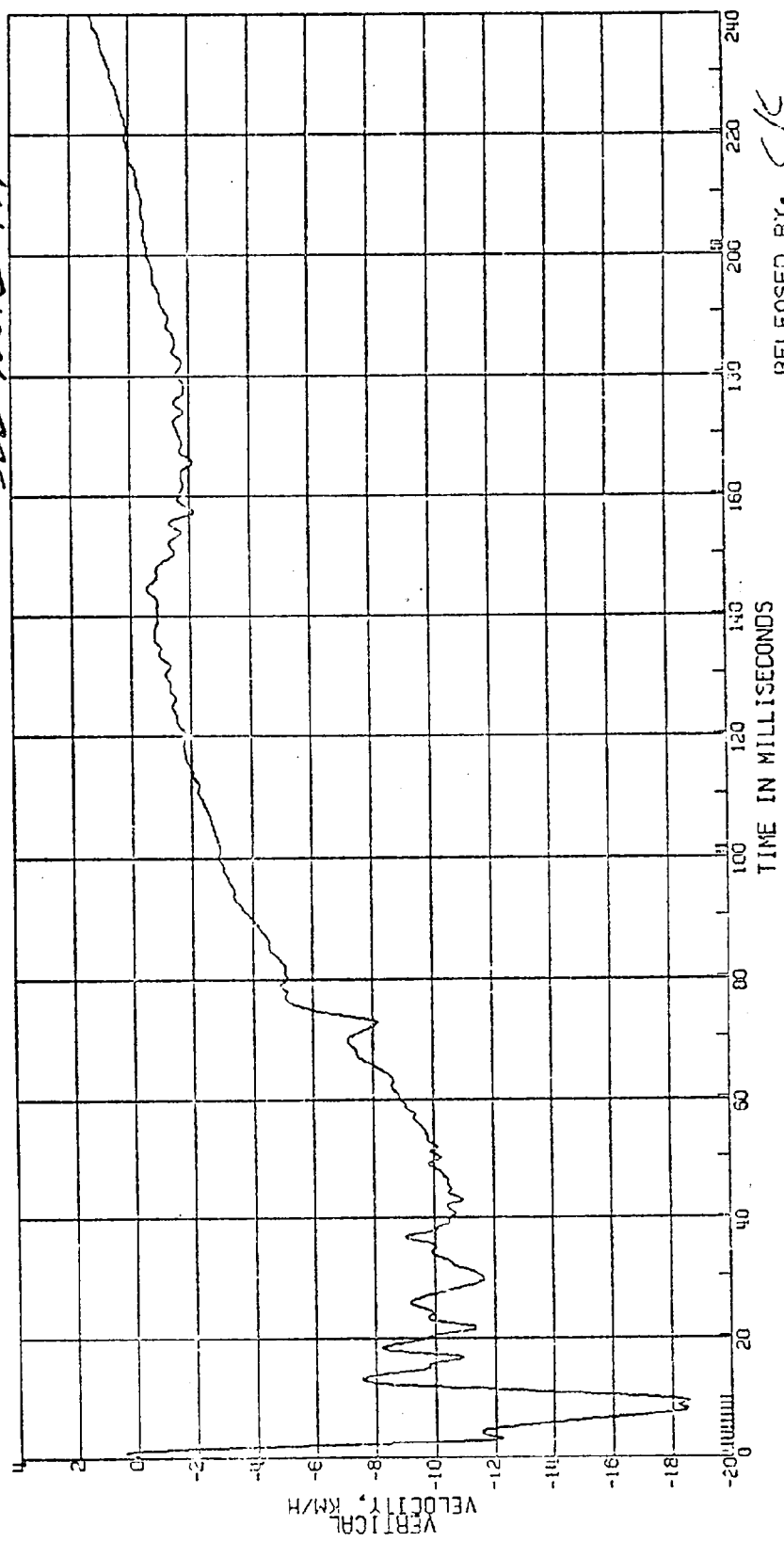
SEE NOTE P.7



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50 PROCESSED 17 JUN 65 18:23

C6252A RIGHT SIDE IMPACT      MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 2 4  
 3865-179      COMPUTED RT. FRT. DOOR-POINT C' VELOCITY      TEST DATE: 06-14-85  
 P.B. 10448 10001 (STRUCK VEH)  
 A-D DATA SEE CLASS 130      (1ST INTEGRAL PASS-SIDE ACCELERATION)

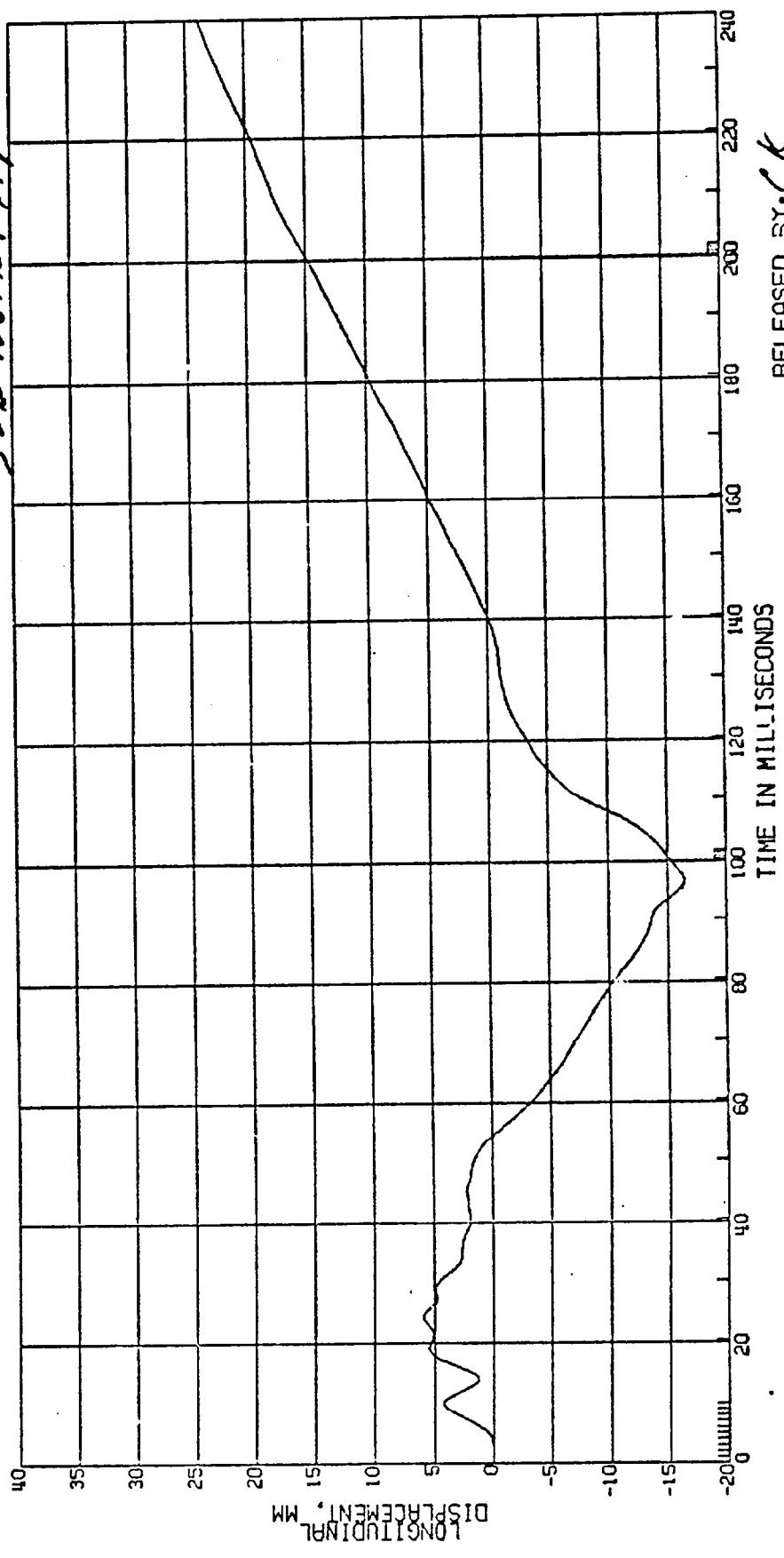
SEE NOTE P.17



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C6252A RIGHT SIDE IMPACT  
MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 25  
3065-179  
COMPUTED RT.FRT.DOOR-POINT A DISPLACEMENT TEST DATE:06-14-85  
A-D DATA ONE CLASS 100  
2ND INTEGRAL PASS-SIDE ACCELERATION

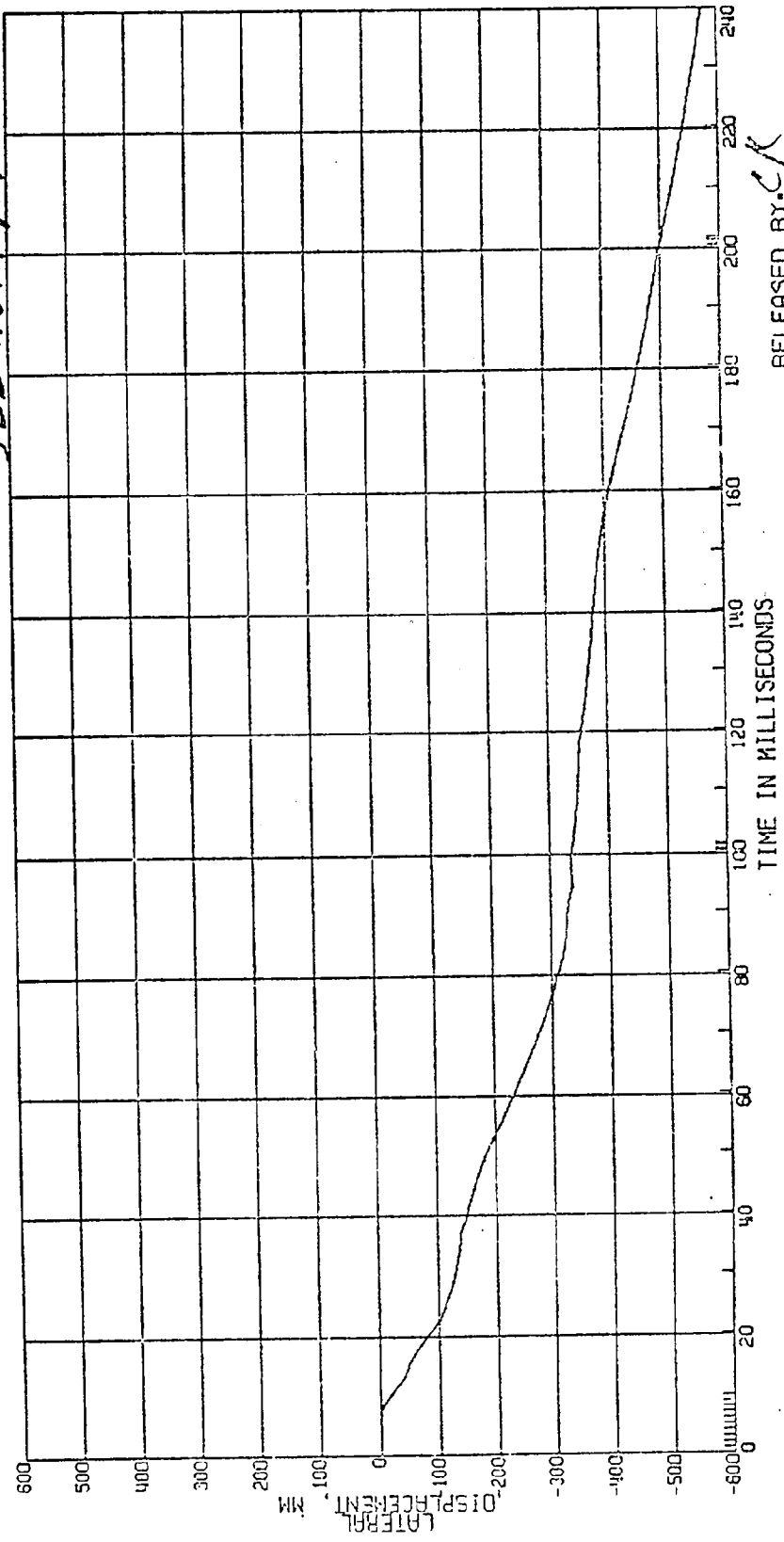
SEE NOTE! P.7



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21 PROCESSED 17 JUN 85 18:17

MOVING MITSA BARR TO PARKED VEHICLE 05.30A/H FIGURE 26  
 COMPUTED RT.FAT.DOOR-POINT A DISPLACEMENT  
 (2ND INTEGRAL PASS-SIDE ACCELERATION)  
 RIGHT SIDE IMPACT  
 3005-1-8  
 F.B. JONES COX11 (STRIK VEH)  
 A-D DATA SEE CLASS 100

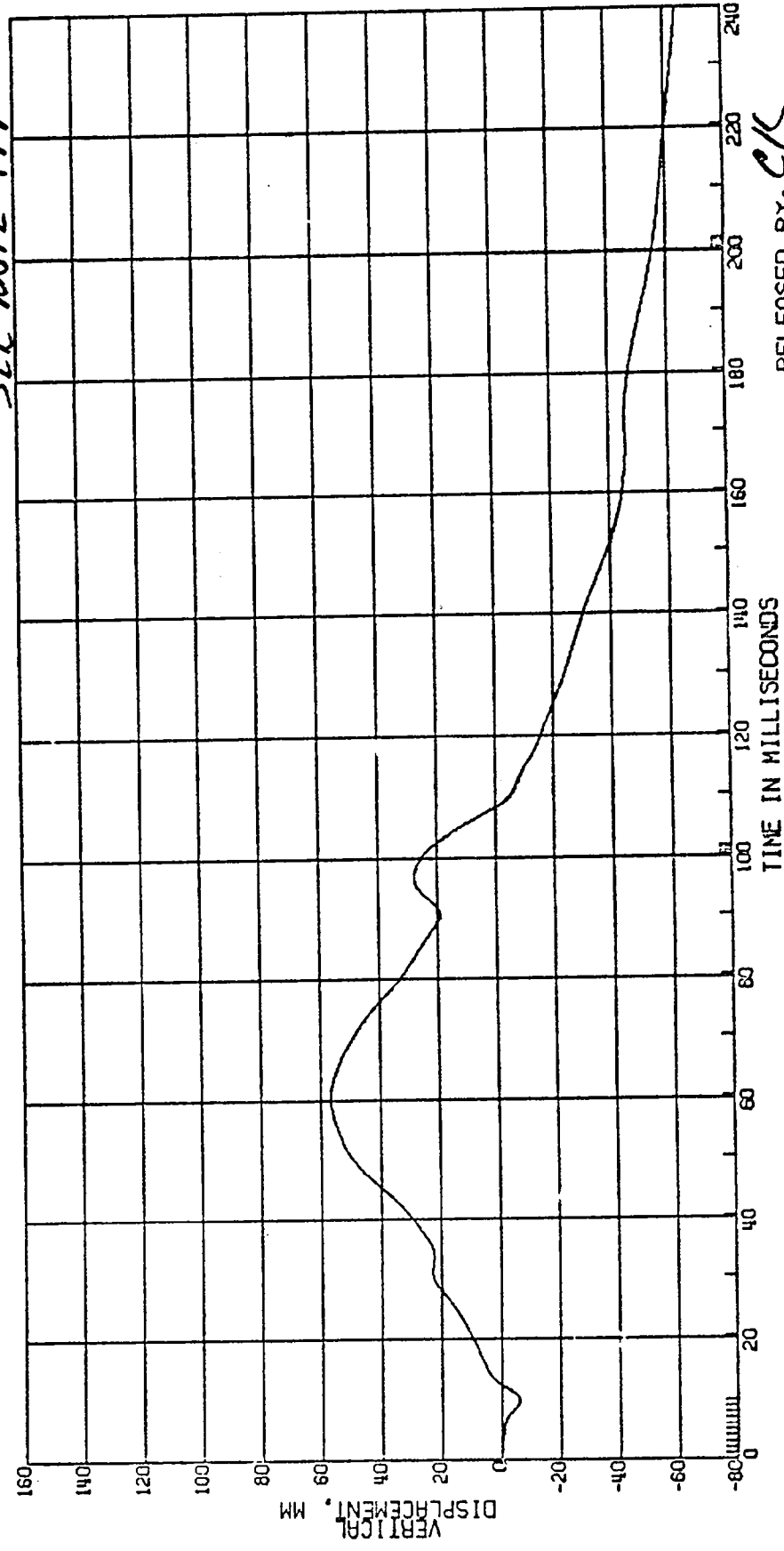
SEE NOT: P.17



RELEASED BY: CK  
 21 PROCESSED 17 JUN 85 18:18

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 27  
3865-179  
F.B. MOTOR3 3CX.1 (STUCK VEH)  
A-D DATA SAE CLASS 120  
COMPUTED RT.FRT.DOOR-POINT A DISPLACEMENT TEST DATE:06-14-85  
(2ND INTEGRAL PASS-SIDE ACCELERATION)

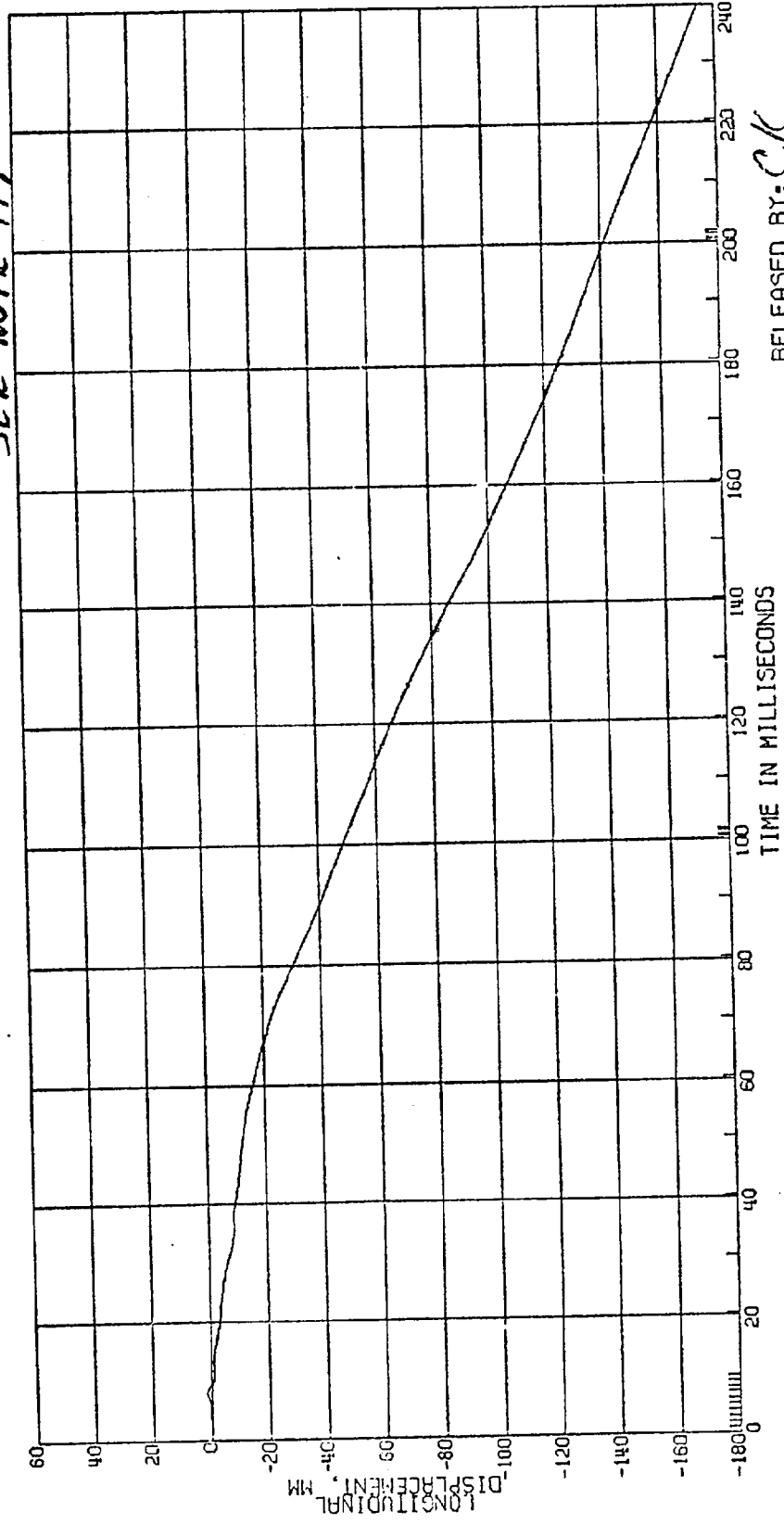
SEE NOTE P.7



RELEASED BY: *CK*  
27 PROCESSED 17 JUN 85 18:18

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 28  
3335-179  
F.B. UCHI9 CCK11 (STRUCK VEH)  
S-D DATA SAE CLASS 180 TEST DATE: 06-14-85  
(2ND INTEGRAL PASS-SIDE ACCELERATION)  
COMPUTED AT. FAT. DOOR-POINT B DISPLACEMENT

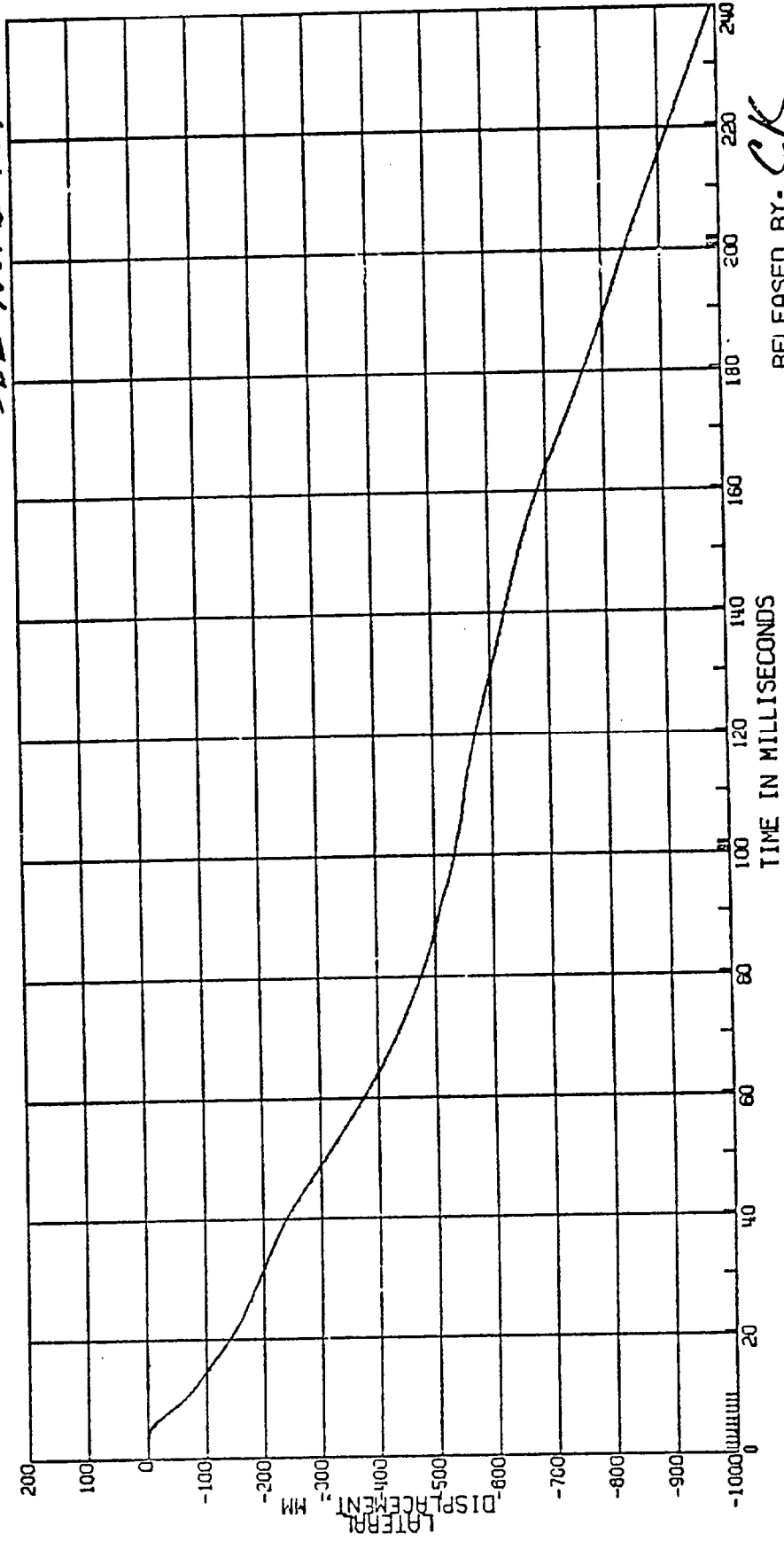
SEE NOTE P. 7



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30 PROCESSED 17 JAN 85 18:19

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 29  
3865-179  
F.B. JURY 30X11 (STRUCK VEH)  
A-D DATA SAE CLASS 180  
COMPUTED RT. FRT. DOOR-POINT B DISPLACEMENT TEST DATE: 06-14-85  
(2ND INTEGRAL PASS-SIDE ACCELERATION)

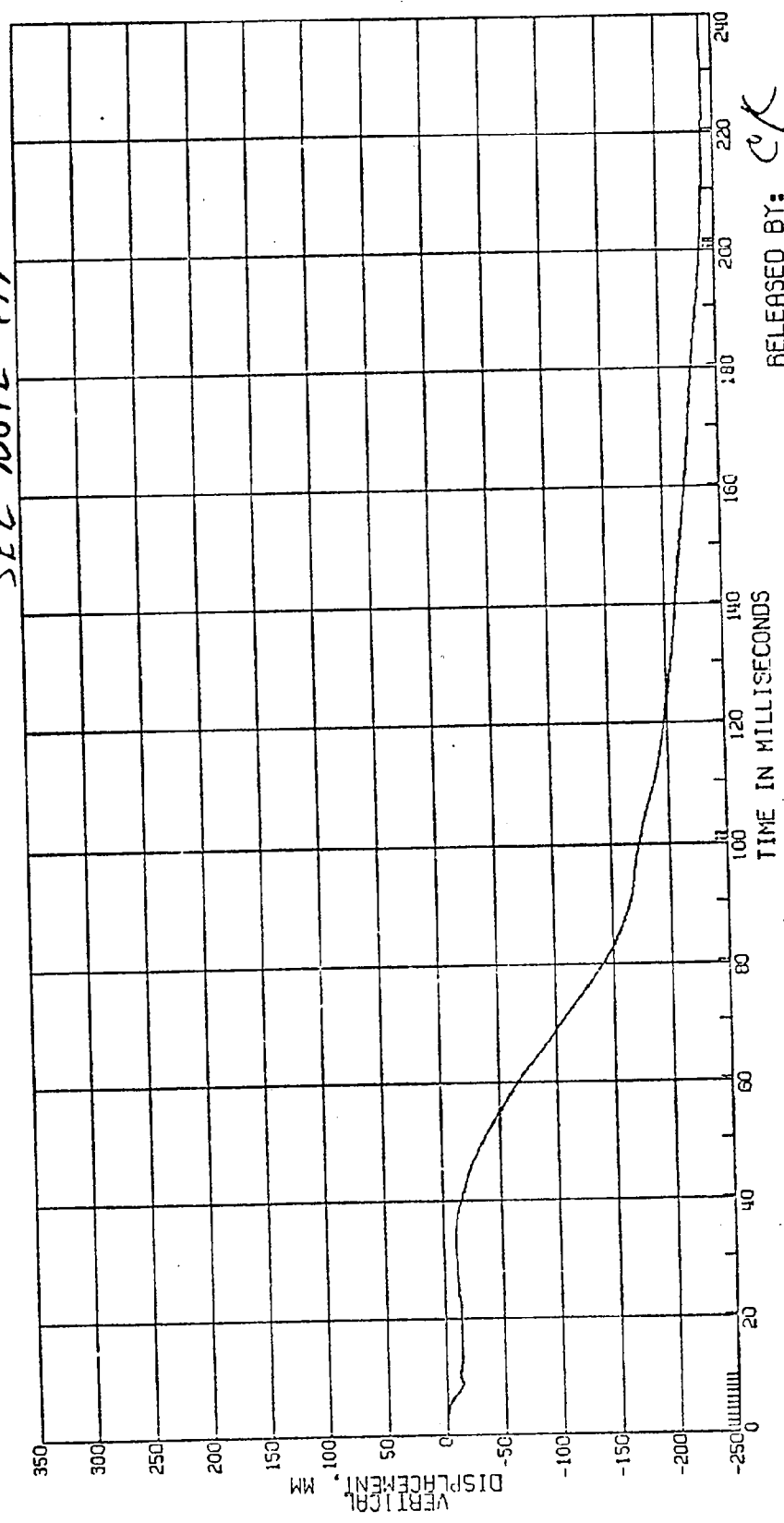
SEE NOTE P.7



RELEASED BY: CK  
33 PROCESSED 17 JUN 85 18:19

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 30  
3865-179  
F.B. LOUIS SX11 (STRUCK VEH)  
A-D DATA SEE CLASS 180  
COMPUTED RT. FRT. DOOR-POINT B DISPLACEMENT TEST DATE: 06-14-85  
(2ND INTEGRAL PASS-SIDE ACCELERATION)

SEE NOTE P.7

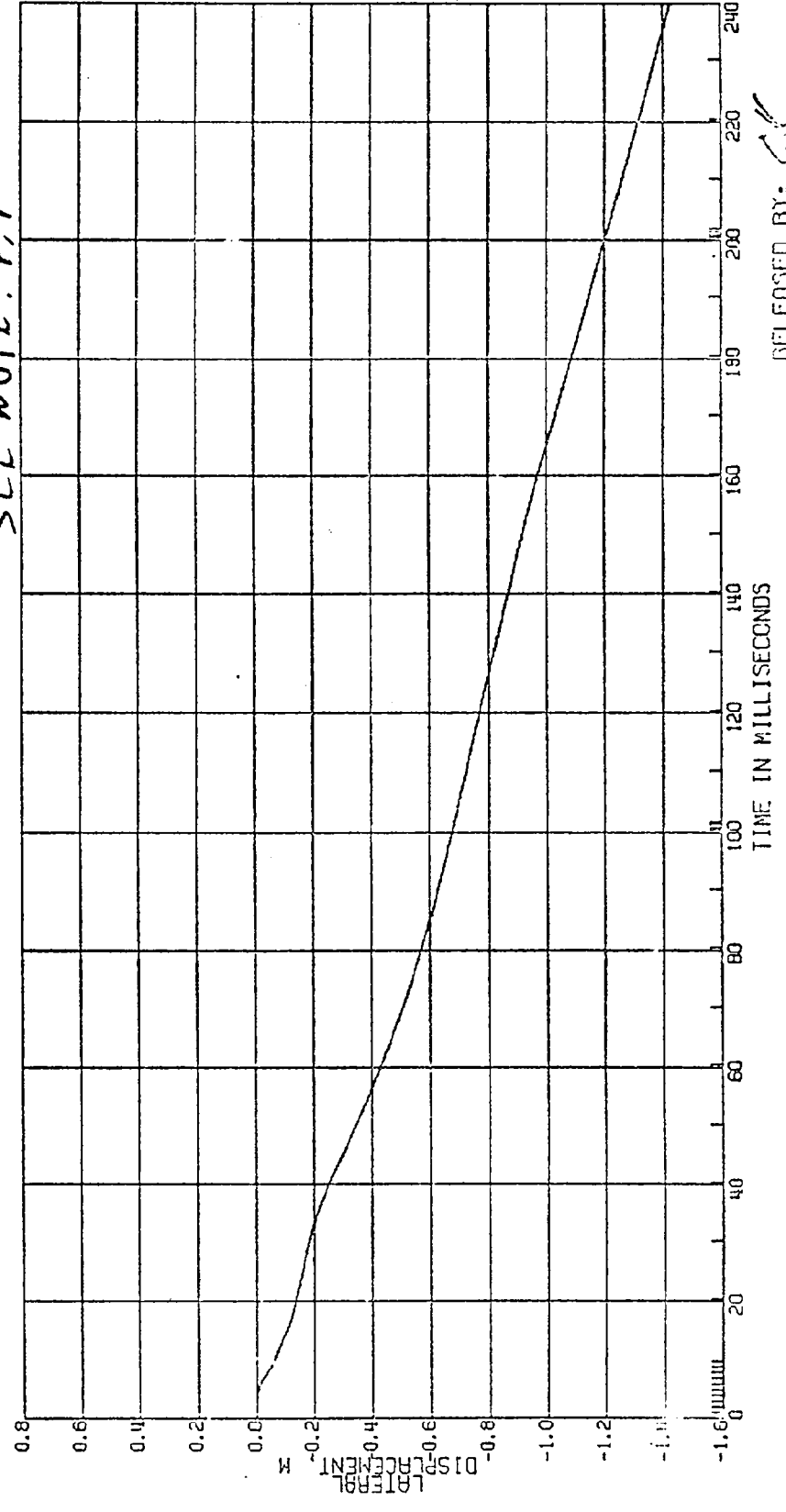


RELEASED BY: CK  
36 PROCESSED 17 JUN 85 18:20



C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 3  
 3235-179  
 F.B. HOOKER (STRUCK VEH)  
 H-D DATA SHE CLF55 150  
 COMPUTED RT.FRT.DOOR-POINT C DISPLACEMENT TEST DATE: 06-14-65  
 (2ND INTEGRAL PASS-SIDE ACCELERATION)

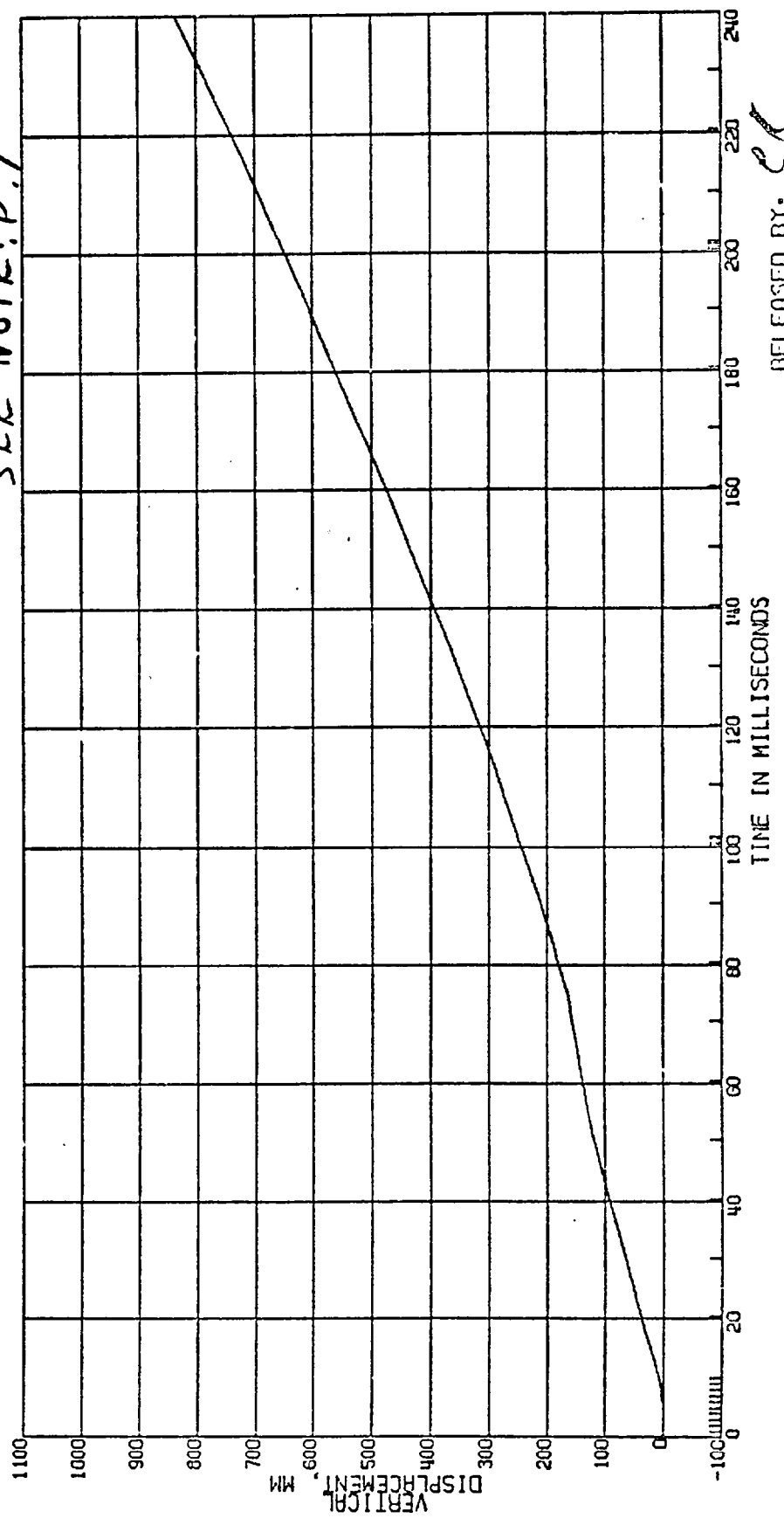
SEE NOTE: P.7



RELEASED BY: [Signature]

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 33  
3865-179  
F. P. MCNEIL (STUCK VEH)  
A-C DATA SEE CLASS 100 TEST DATE: 06-14-85  
(2ND INTEGRAL PASS-SIDE ACCELERATION)

SEE NOTE: P. 7

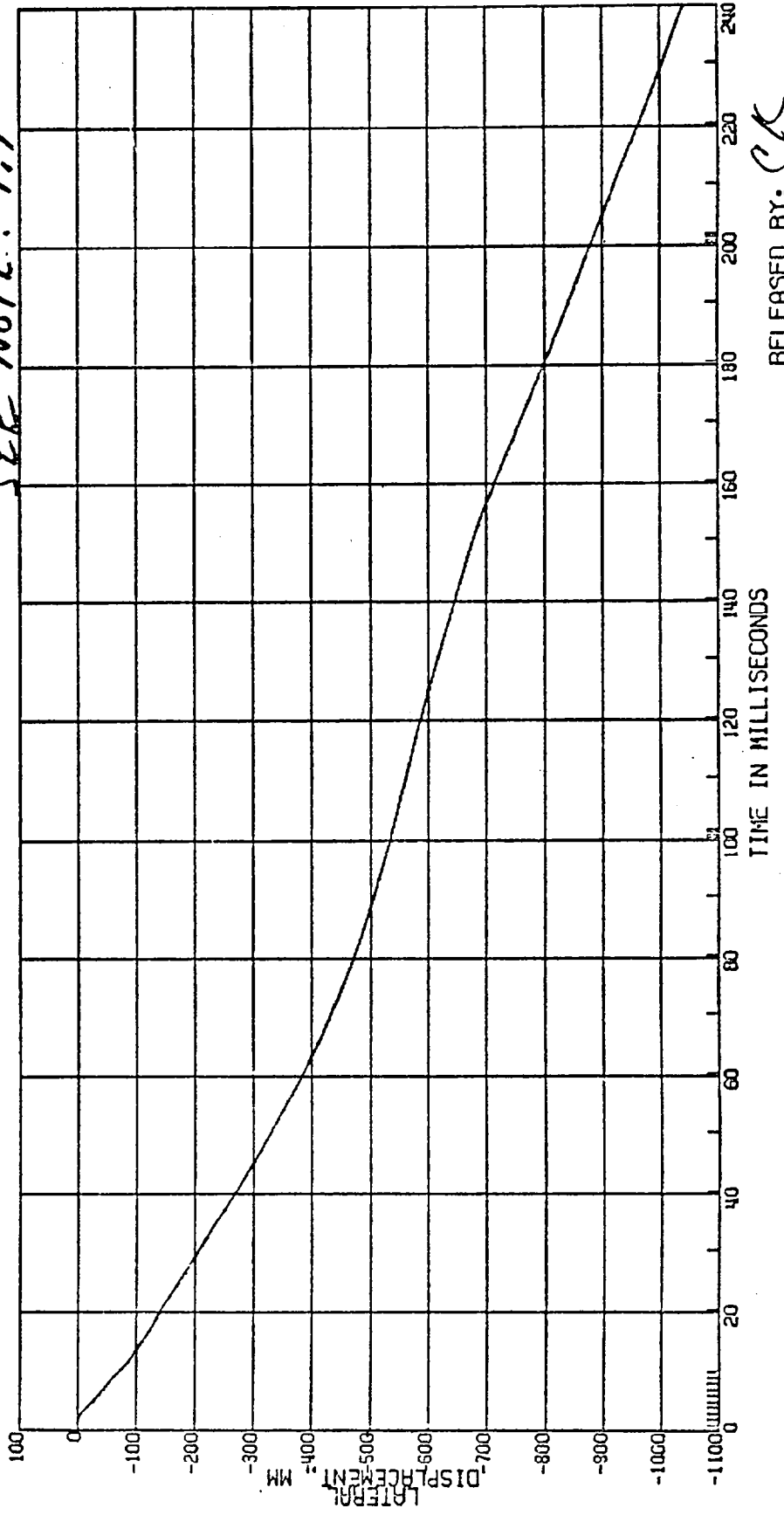


RELEASED BY: CR



C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 35  
 3865-173  
 F.B. BORG MCKIN STRUCK VEH  
 A-D DATA SAE CLASS 100  
 COMPUTED RT. FRT. DOOR+POINT C' DISPLACEMENT TEST DATE: 06-14-85  
 (2ND INTEGRAL PASS-SIDE ACCELERATION)

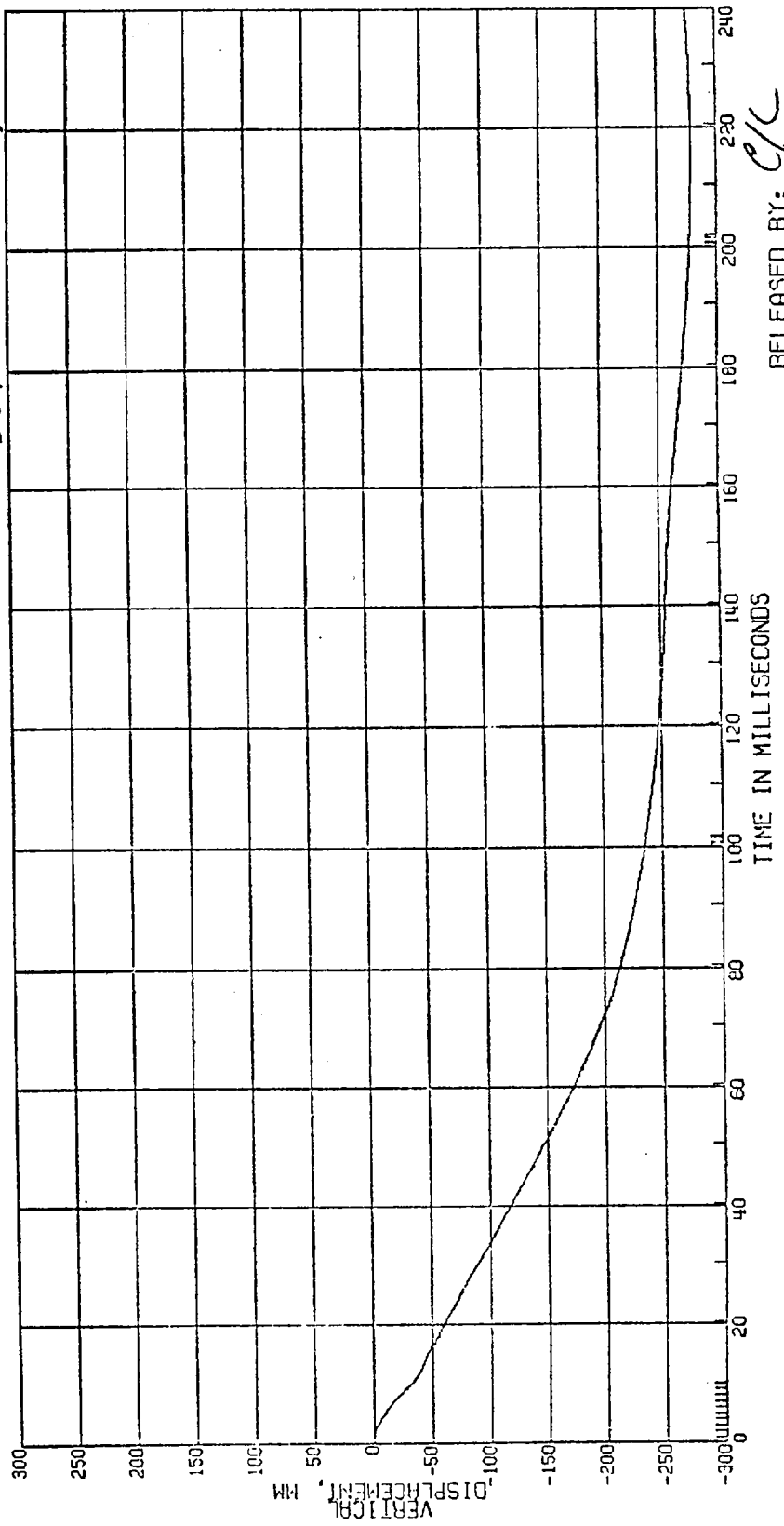
SEE NOTE: P. 7



RELEASED BY: CK  
 61 APR 17 1985 18:23

COMPUTED RIGHT SIDE IMPACT MOVING NORT. DIRECTION FROM VEHICLE OCCUPANT AREA 36  
3000-177  
F.B. HOURS 80011 STRUCK VEH  
A-0 DATA GRP CLASS 180  
COMPUTED AT FRT. DOOR-POINT BY DISPLACEMENT TEST DATE: 03-14-85  
(2ND INTEGRAL PASS-SIDE ACCELERATION)

SEE NOTE: P.7



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5/4 PROCESSED 17 JUN 05 19:24

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 37

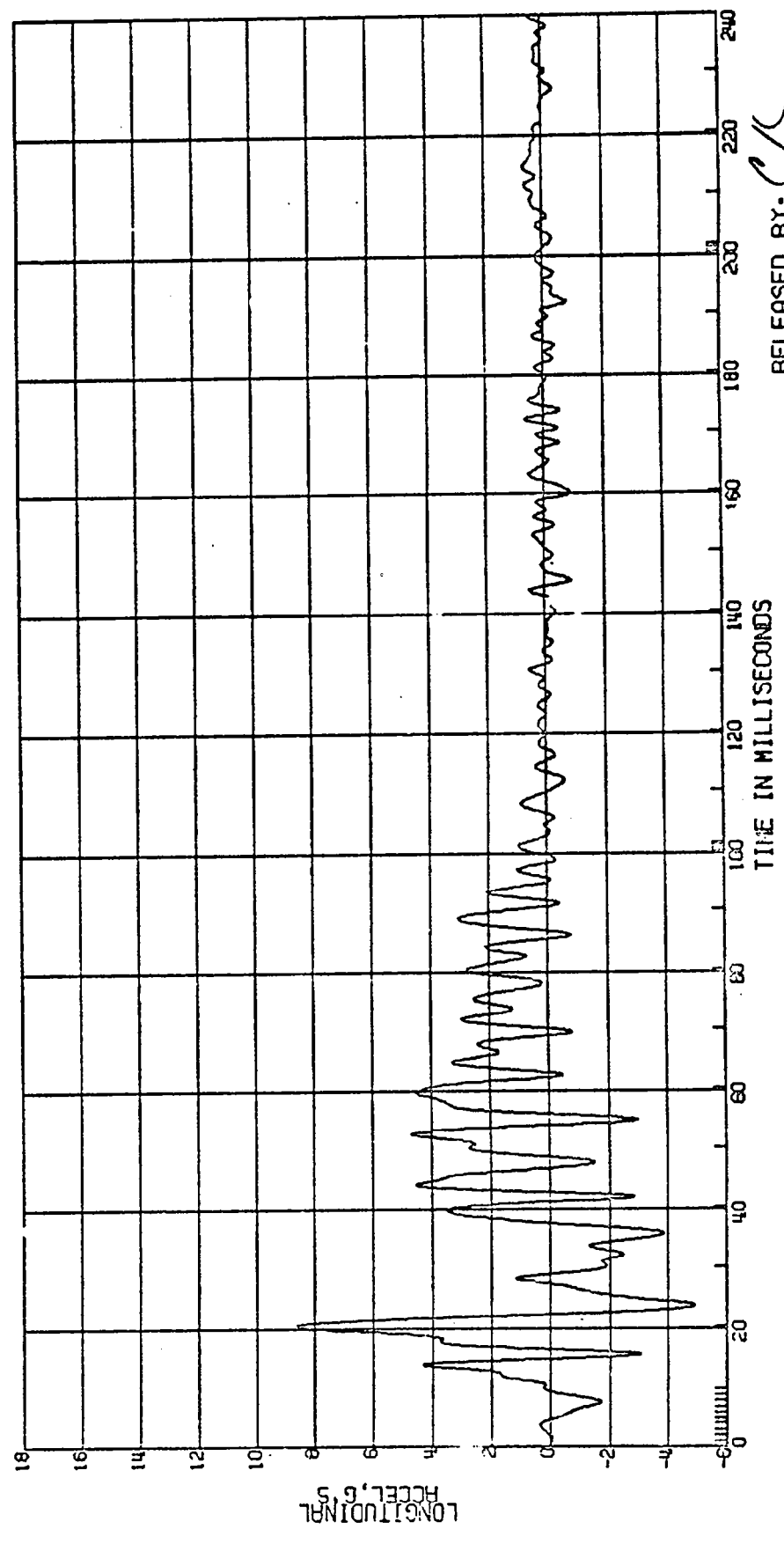
3865-179

F.B. UC443 3CX11 (STRUCK VEH)

A-D DATA SAE CLASS 60

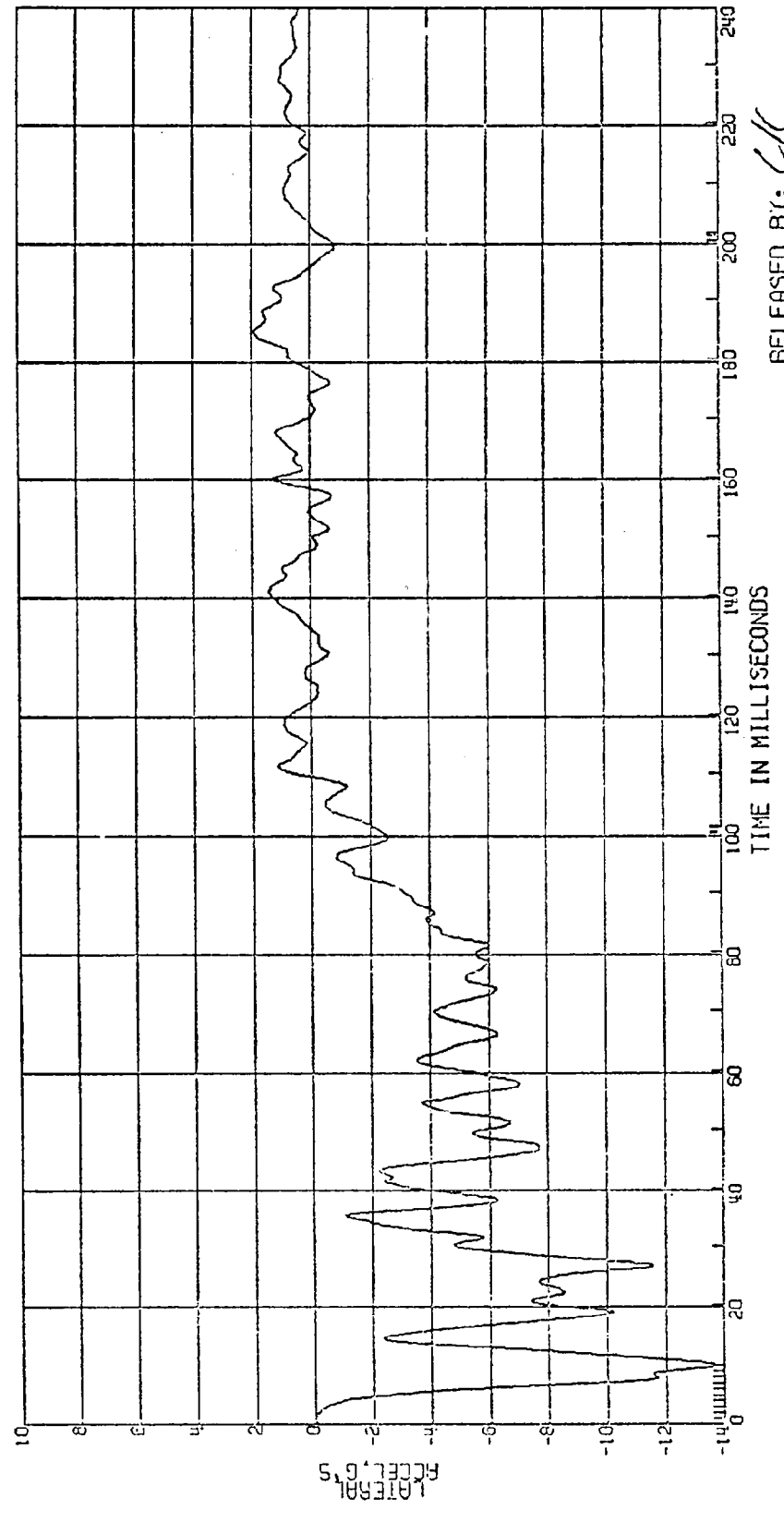
DR-SIDE FLOOR PAN ACCEL.

TEST DATE: 06-14-85



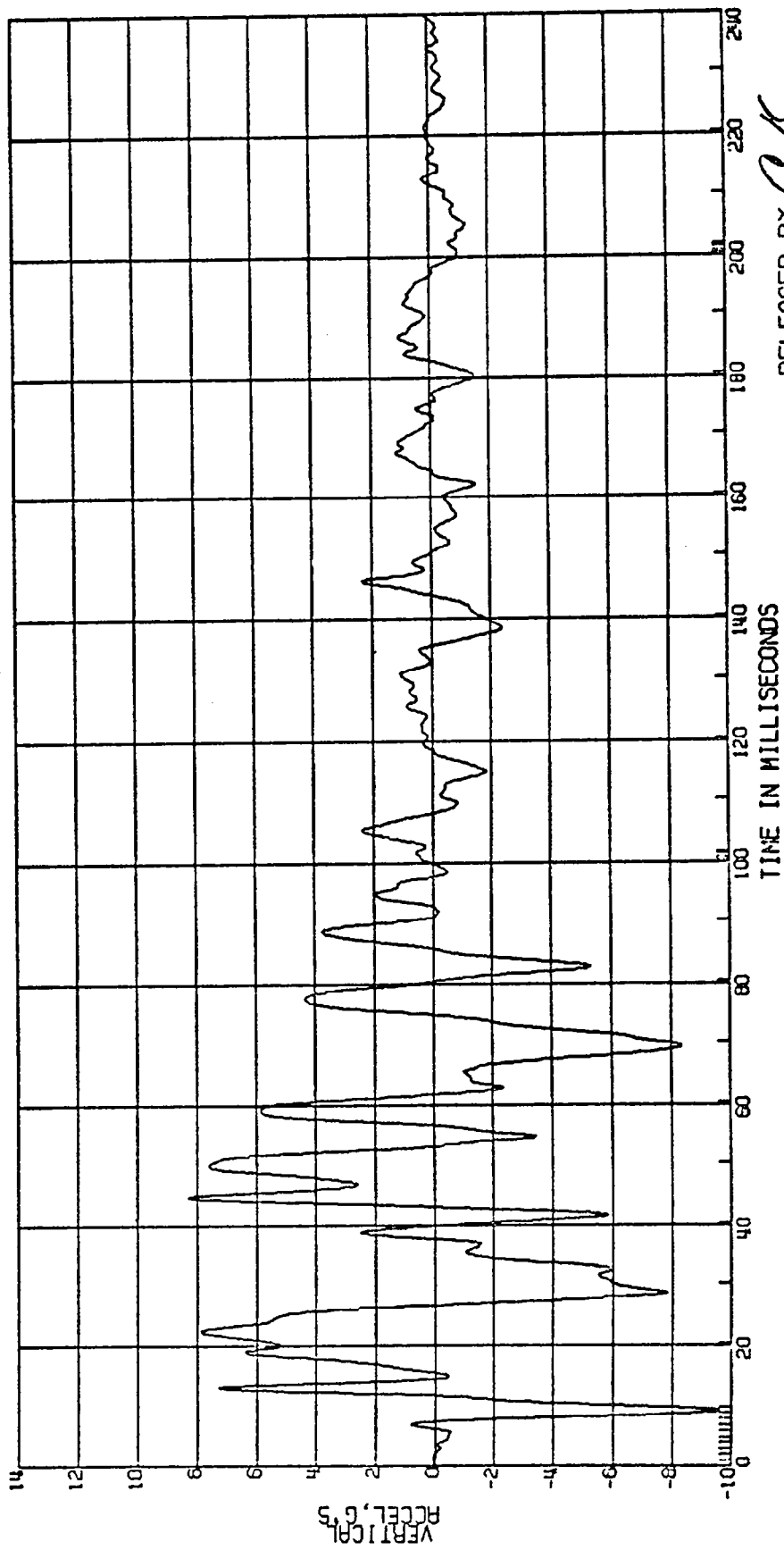
RELEASED BY: *CK*  
58 PROCESSED 17 JAN 85 18:25

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 38  
3855-179  
F.B. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 60  
DR-SIDE FLOOR PAN ACCEL.  
TEST DATE: 06-14-85



RELEASED BY: *CK*  
67 PROCESSED 17 JUN 85 18:27

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 39  
3865-179  
F.B. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 60 DR-SIDE FLOOR PAN ACCEL. TEST DATE: 06-14-85

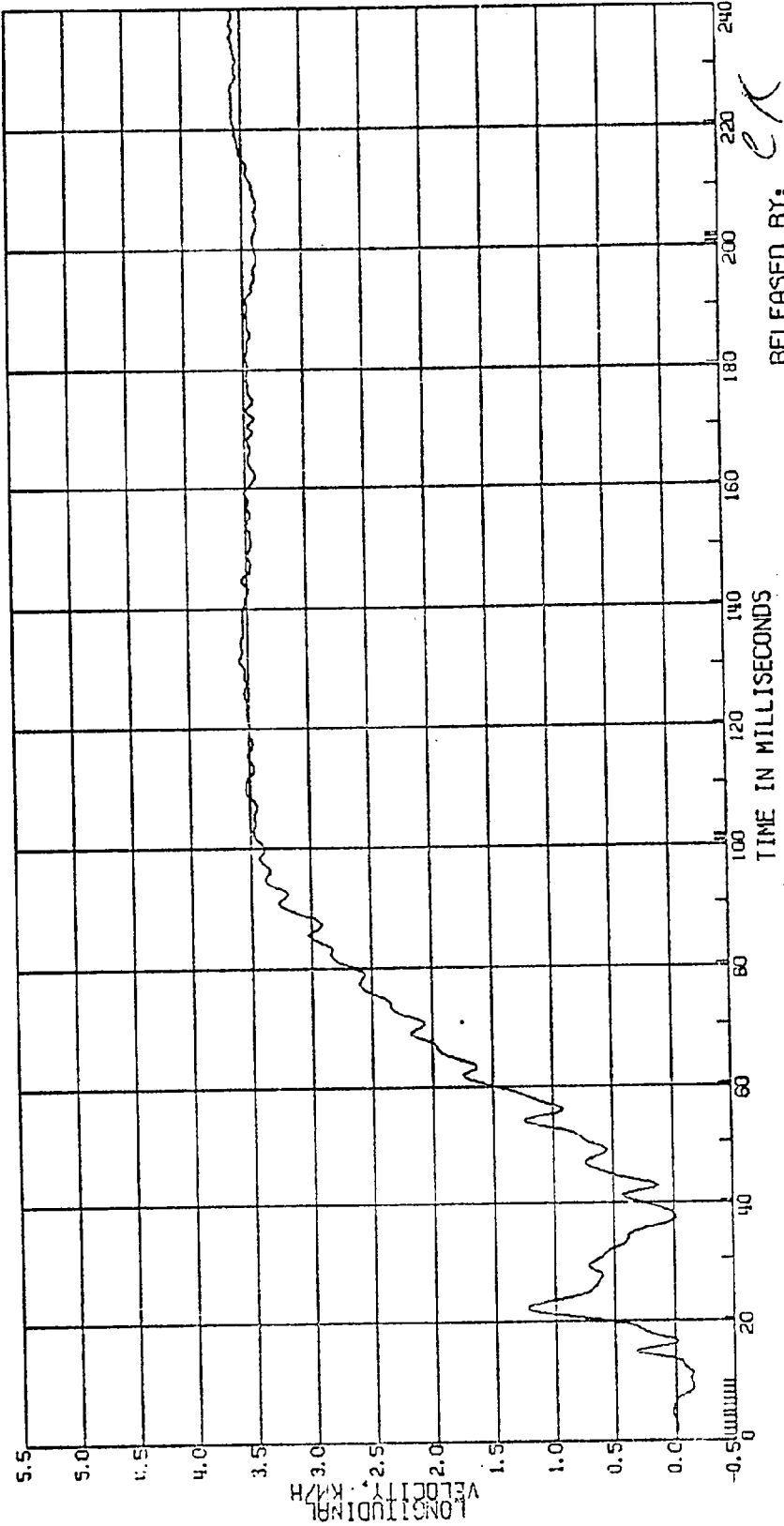


RELEASED BY: *CK*  
70 PROCESSED 17 JUN 85 18:27

C6252A RIGHT SIDE IMPACT  
3865-179  
F.B. UC43 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 180

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 40  
COMPUTED FLOOR PAN VELOCITY  
(1ST INTEGRAL DR-SIDE ACCELERATION)

TEST DATE: 06-14-85



RELEASED BY: *ER*  
59 PROCESSED 17 JUN 85 18:25

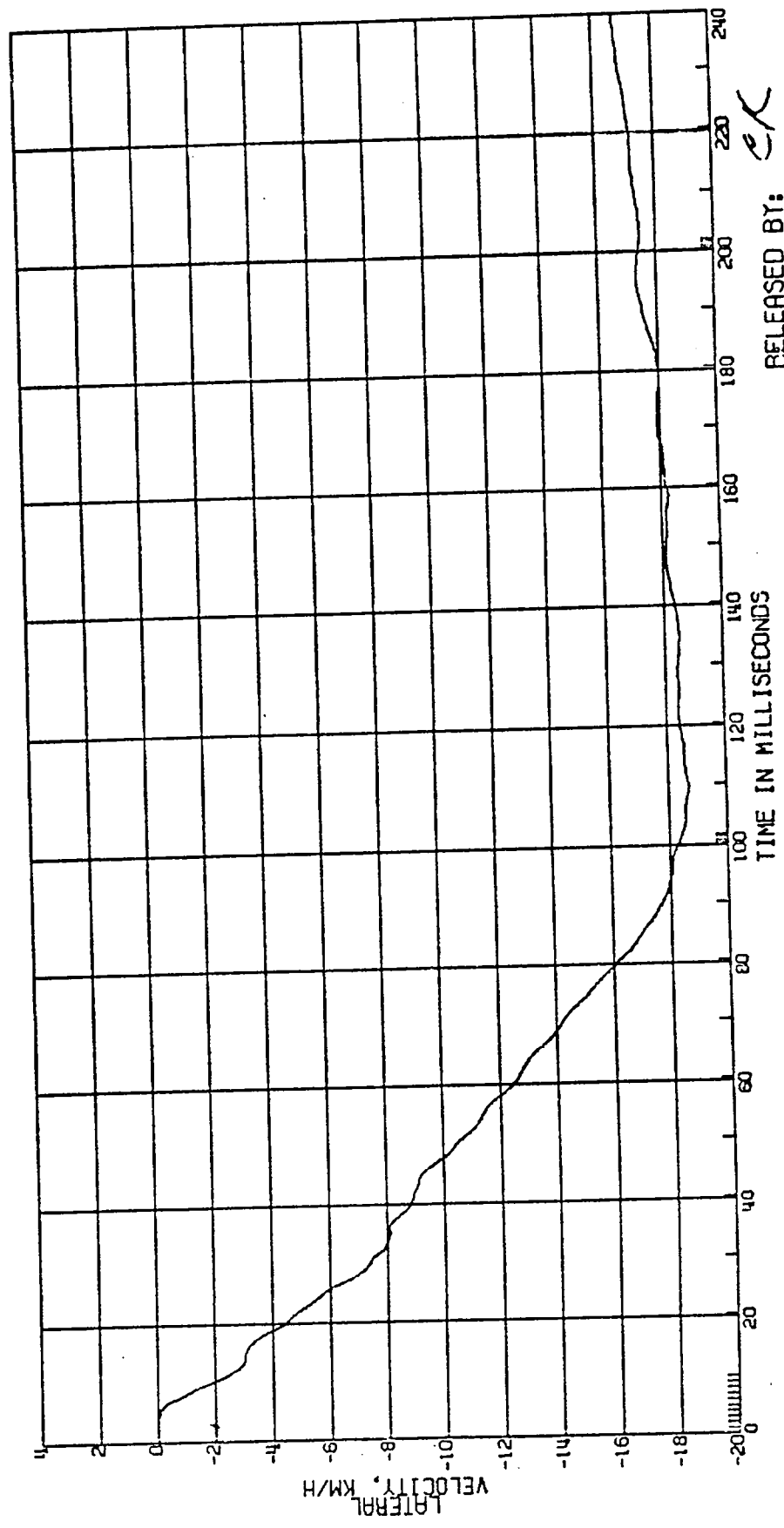
MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 41

TEST DATE: 06-14-85

COMPUTED FLOOR PAN VELOCITY

(1ST INTEGRAL DR-SIDE ACCELERATION)

C6252A RIGHT SIDE IMPACT  
3865-179  
F.C. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 180



RELEASED BY: *EX*  
68 PROCESSED : 7 JUN 85 18:27

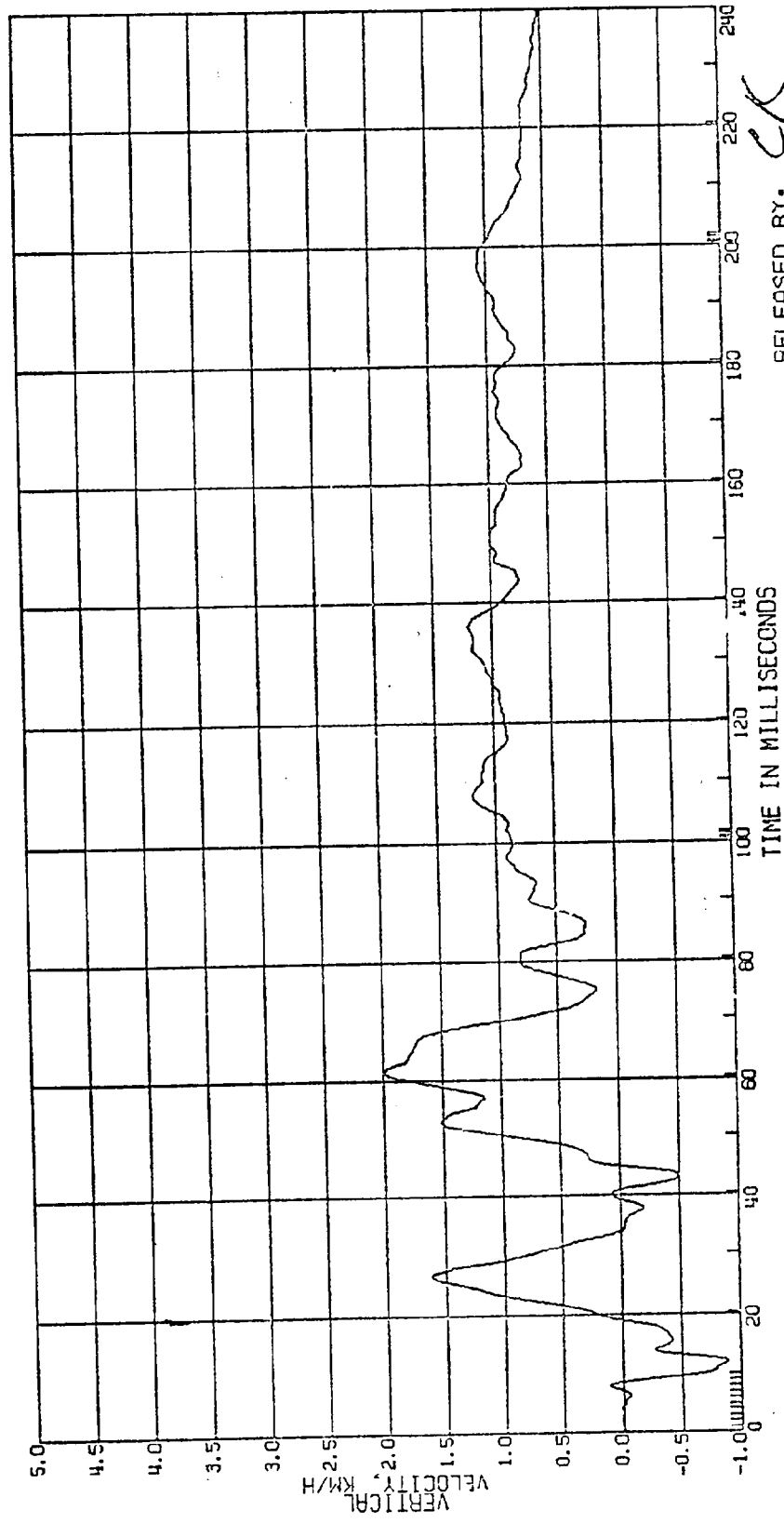
MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 42

TEST DATE: 06-14-85

C6252A RIGHT SIDE IMPACT  
3865-179  
F.B. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 180

COMPUTED FLOOR PAN VELOCITY

(1ST INTEGRAL DR-SIDE ACCELERATION)



RELEASED BY: *CK*  
71 PROCESSED 17 JUN 85 18:27

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 43

C6252A RIGHT SIDE IMPACT

3865-179

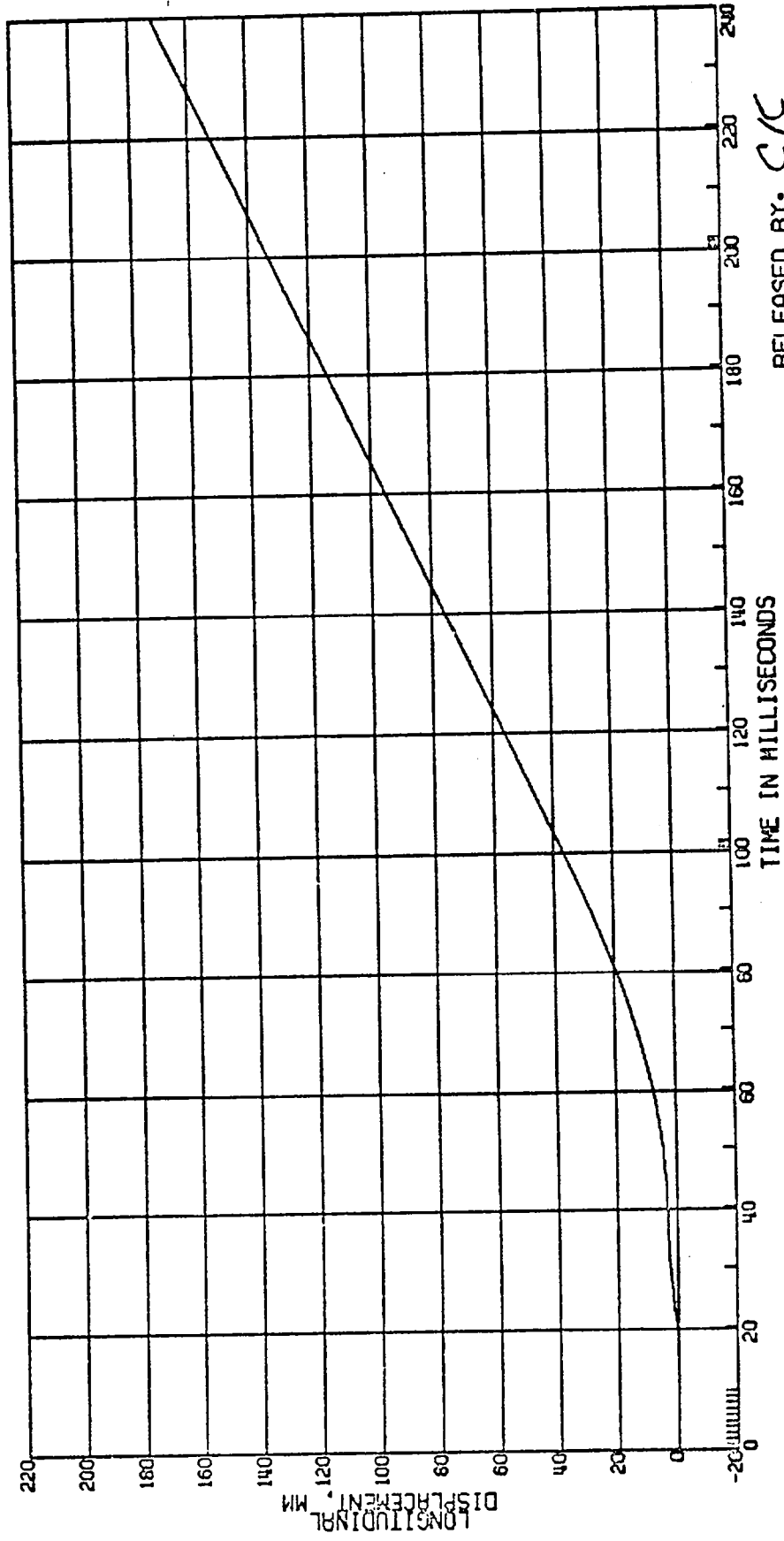
F.B. UC443 3CX11 (STRUCK VEH)

A-D DATA SAE CLASS 180

COMPUTED FLOOR PAN DISPLACEMENT

TEST DATE: 06-14-85

(2ND INTEGRAL DR-SIDE ACCELERATION)

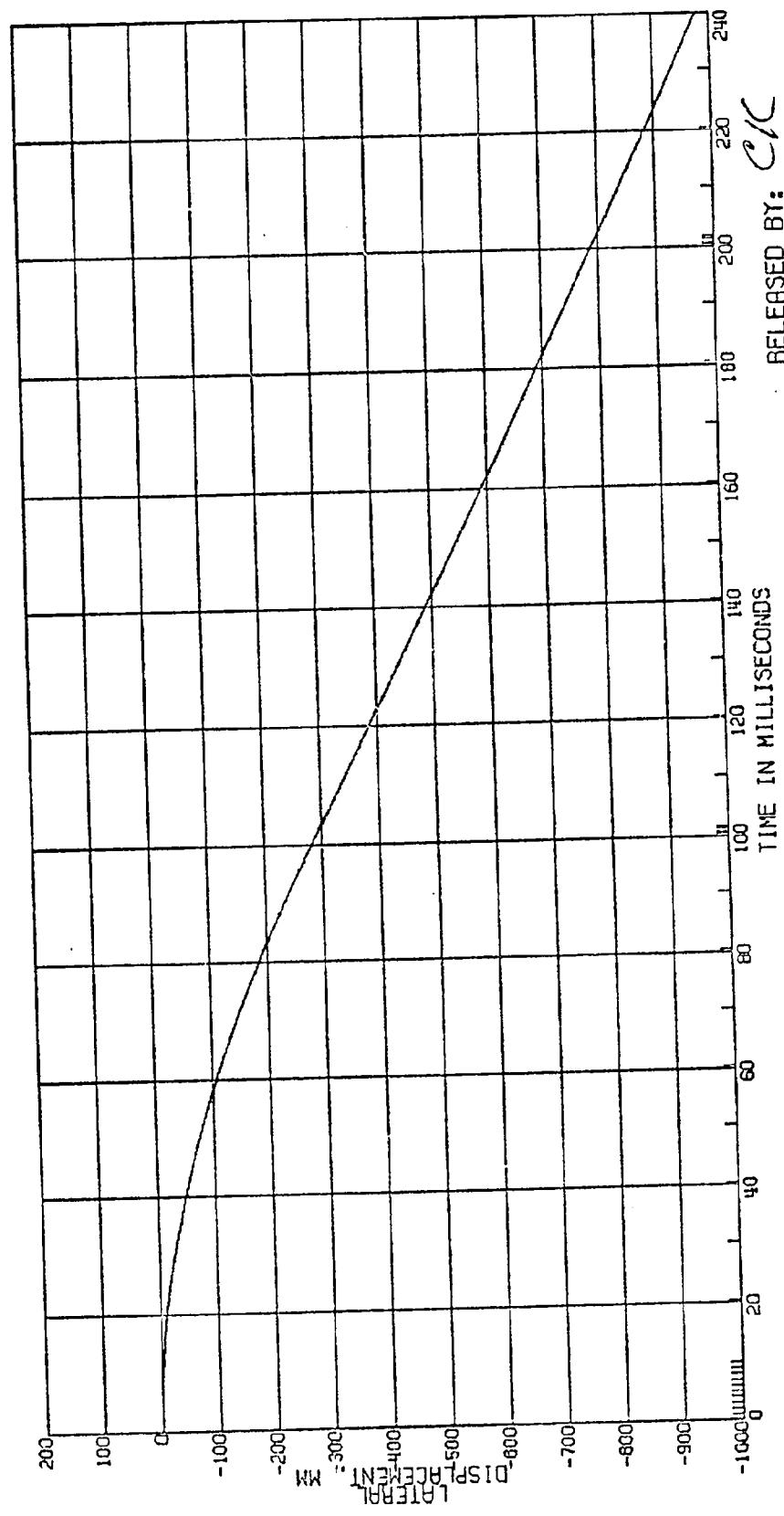


RELEASED BY: C/C  
60 PROCESSED 17 JUN 85 18:25

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 44  
COMPUTED FLOOR PAN DISPLACEMENT  
(2ND INTEGRAL DR-SIDE ACCELERATION)

C6252A RIGHT SIDE IMPACT  
3965-179  
F.B. LC443 3CX11 (STRUCK VEH)  
A-0 DATA SAE CLASS 180

TEST DATE: 06-14-85



RELEASED BY: *CK*  
69 PROCESSED 17 JUN 85 18:27

C6252A RIGHT SIDE IMPACT

3865-179

F.B. UCU43 SCX11 (STRUCK VEH)

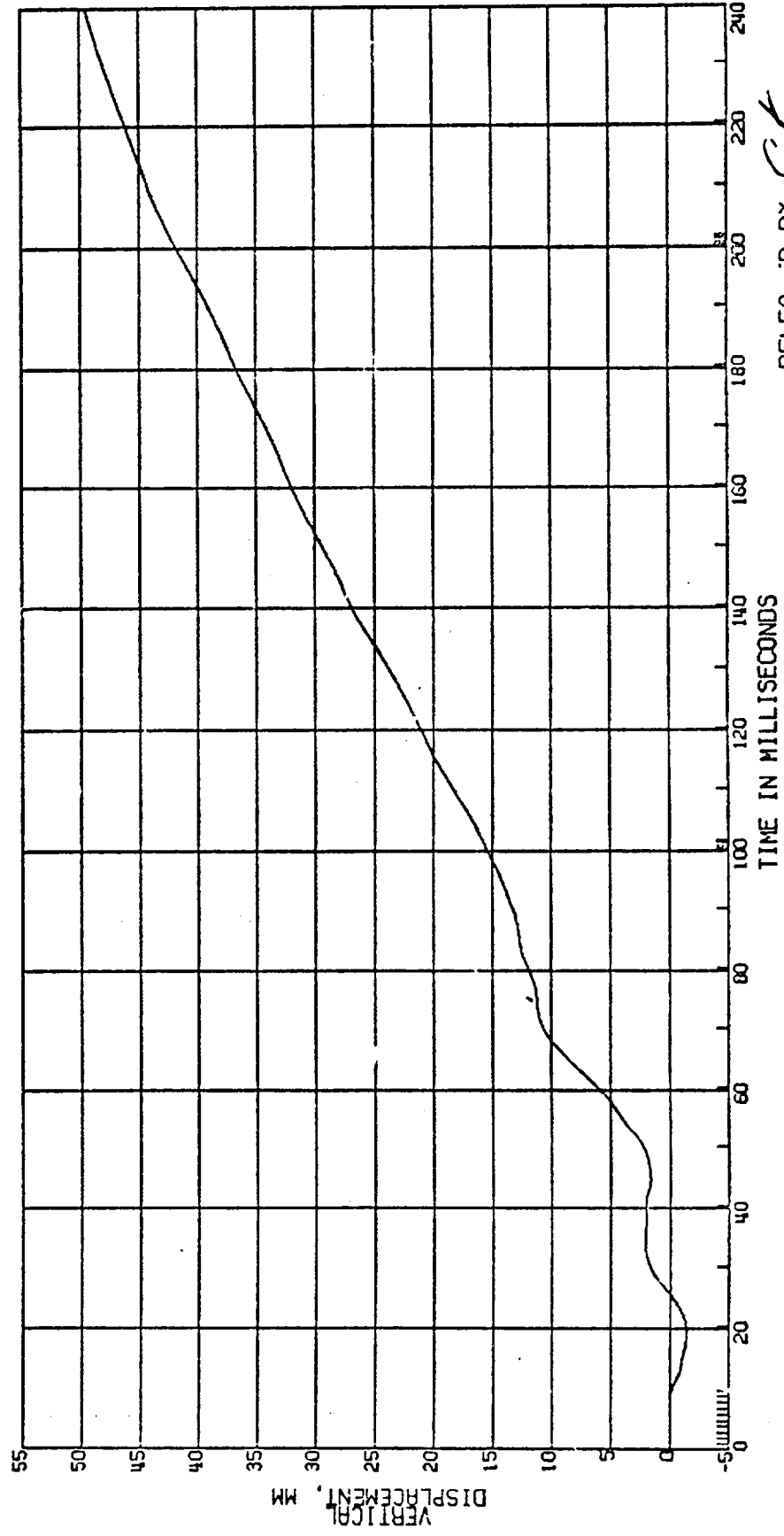
A-D DATA SAE CLASS 180

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 4 S

COMPUTED FLOOR PAN DISPLACEMENT

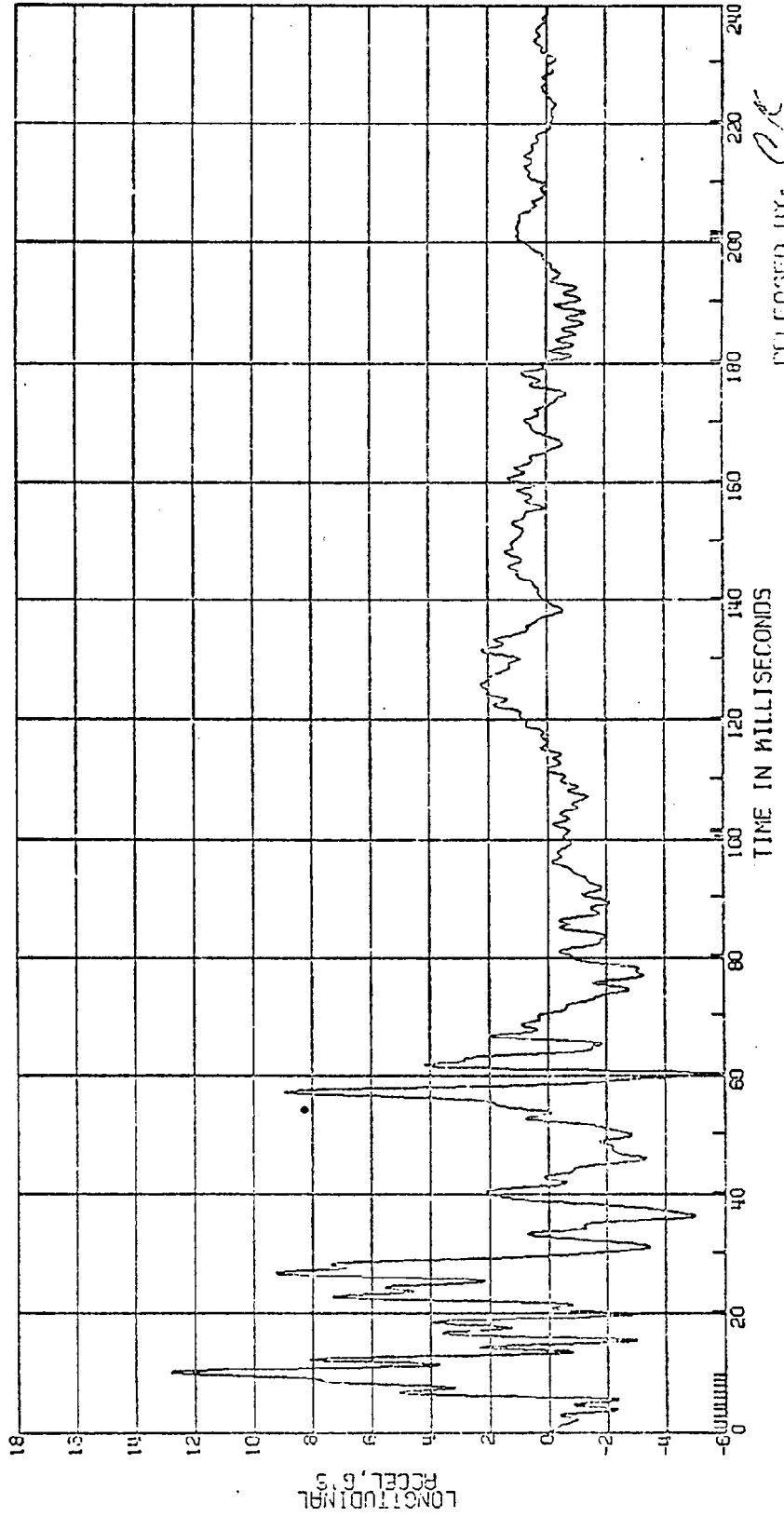
TEST DATE: 06-14-85

(2ND INTEGRAL DR-SIDE ACCELERATION)



RELEASED BY: CK  
72 PROCESSED 17 JUN 85 13:27

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 46  
3865-179  
F.B. UC443 SCX11 (STRUCK VEH)  
A-D DATA SAE CLASS 60  
PASS-SIDE TRUNK ACCEL.  
TEST DATE: 06-14-85



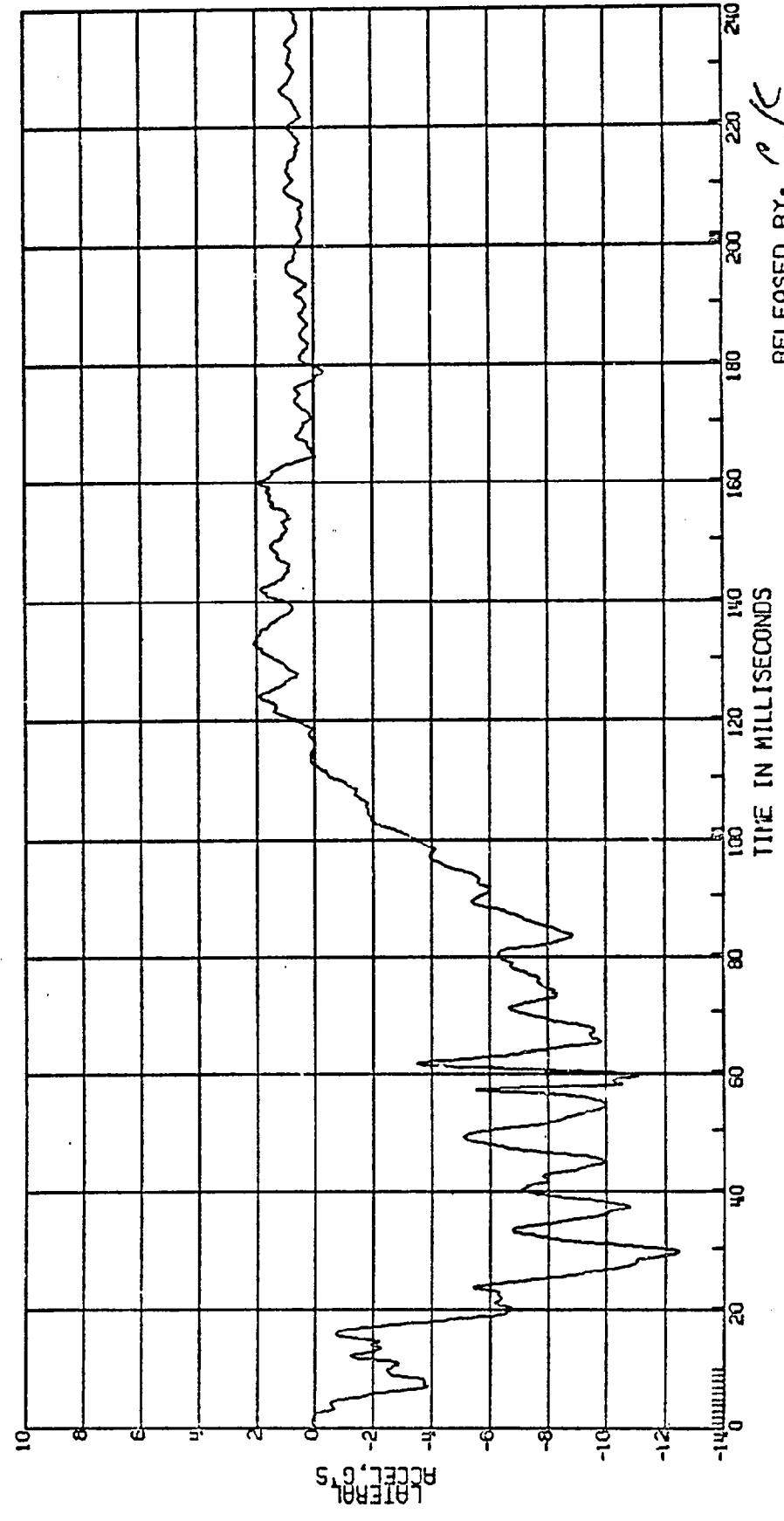
RELEASED BY: *PC*

MOVING NHTSA BARR. TO PARKED VEHICLE 39.6KM/H FIGURE 47

PASS-SIDE TRUNK ACCEL.

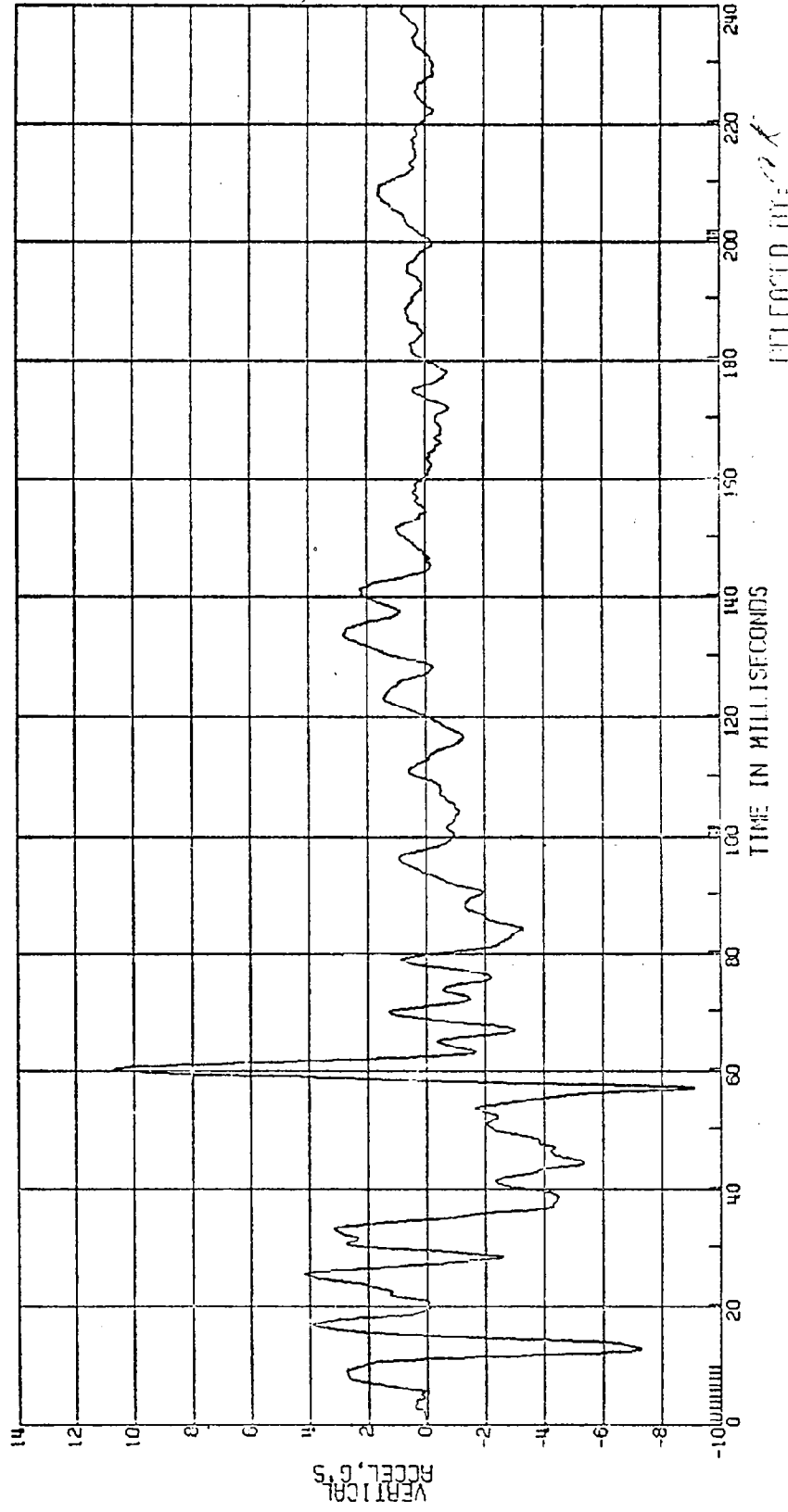
TEST DATE: 06-14-85

002523 RIGHT SIDE IMPACT  
SC05-170  
F.B. JCU43 SCX11 (STRUCK VEH)  
A-D DATA SAE CLASS 60



RELEASED BY: *CK*

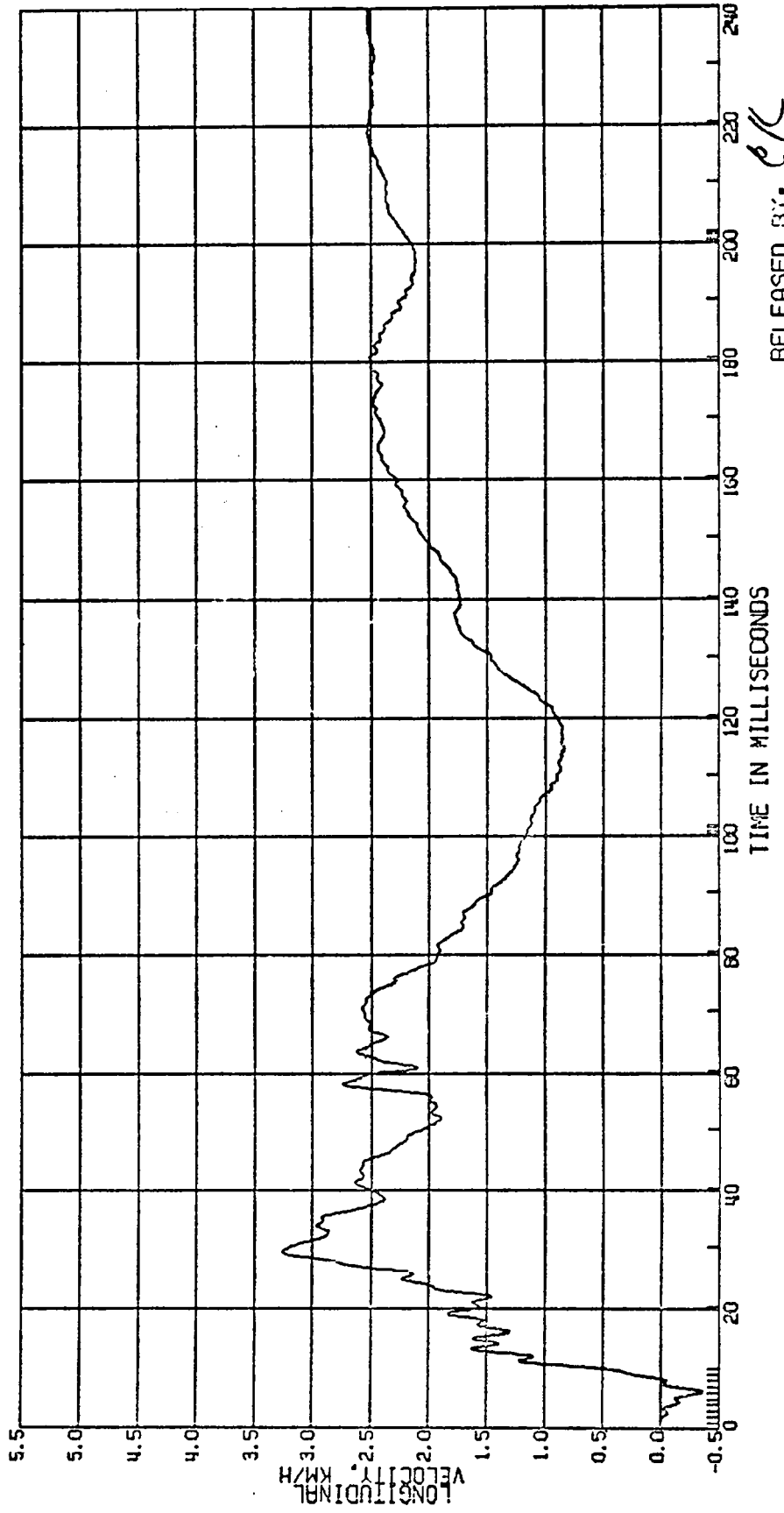
C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 48  
3865-179  
F.B. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 60  
PASS-SIDE TRUNK ACCEL.  
TEST DATE: 06-14-85



C6252A RIGHT SIDE IMPACT  
3865-179  
F.B. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 180

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 49  
TEST DATE: 06-14-85

COMPUTED TRUNK VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

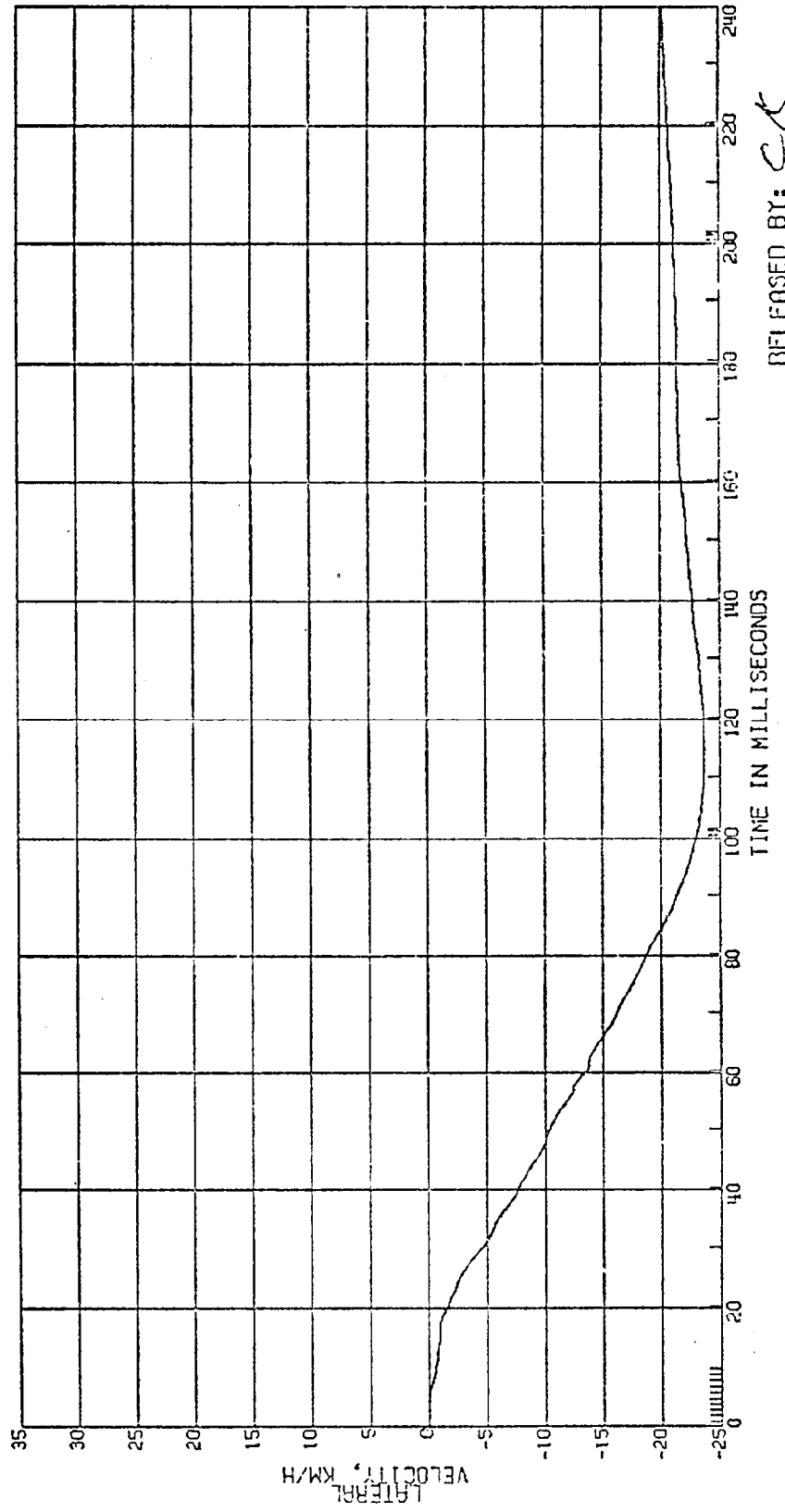


RELEASED BY: *PK*  
7/11/85 10:17 AM

C6252A RIGHT SIDE IMPACT  
3865-179  
F.B. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 180

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 50  
TEST DATE: 06-14-85

COMPUTED TRUNK VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: CK

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURES 1

C6252A RIGHT SIDE IMPACT

3865-179

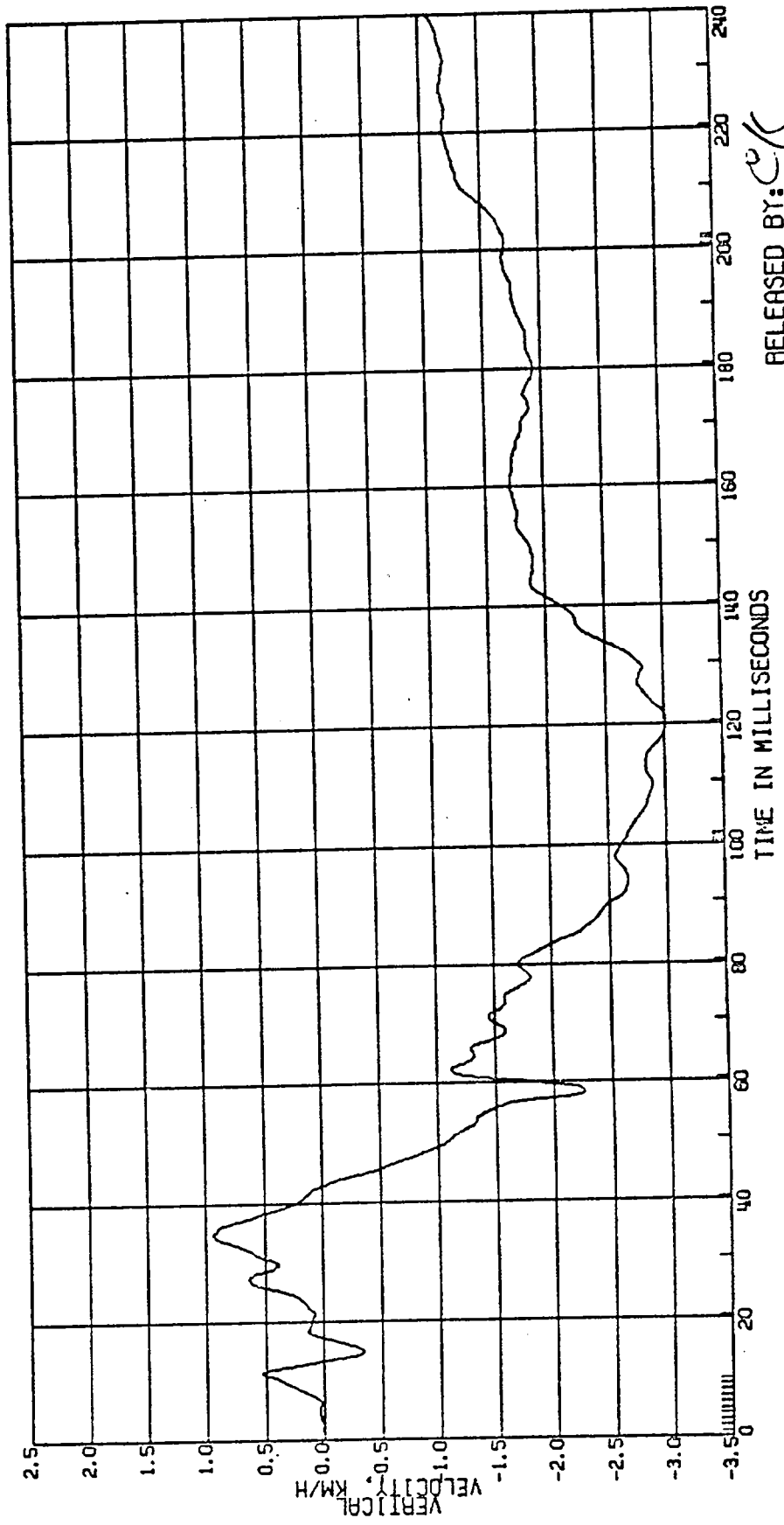
F.B. UC443 3CX11 (STRUCK VEH)

A-D DATA SAE CLASS 180

COMPUTED TRUNK VELOCITY

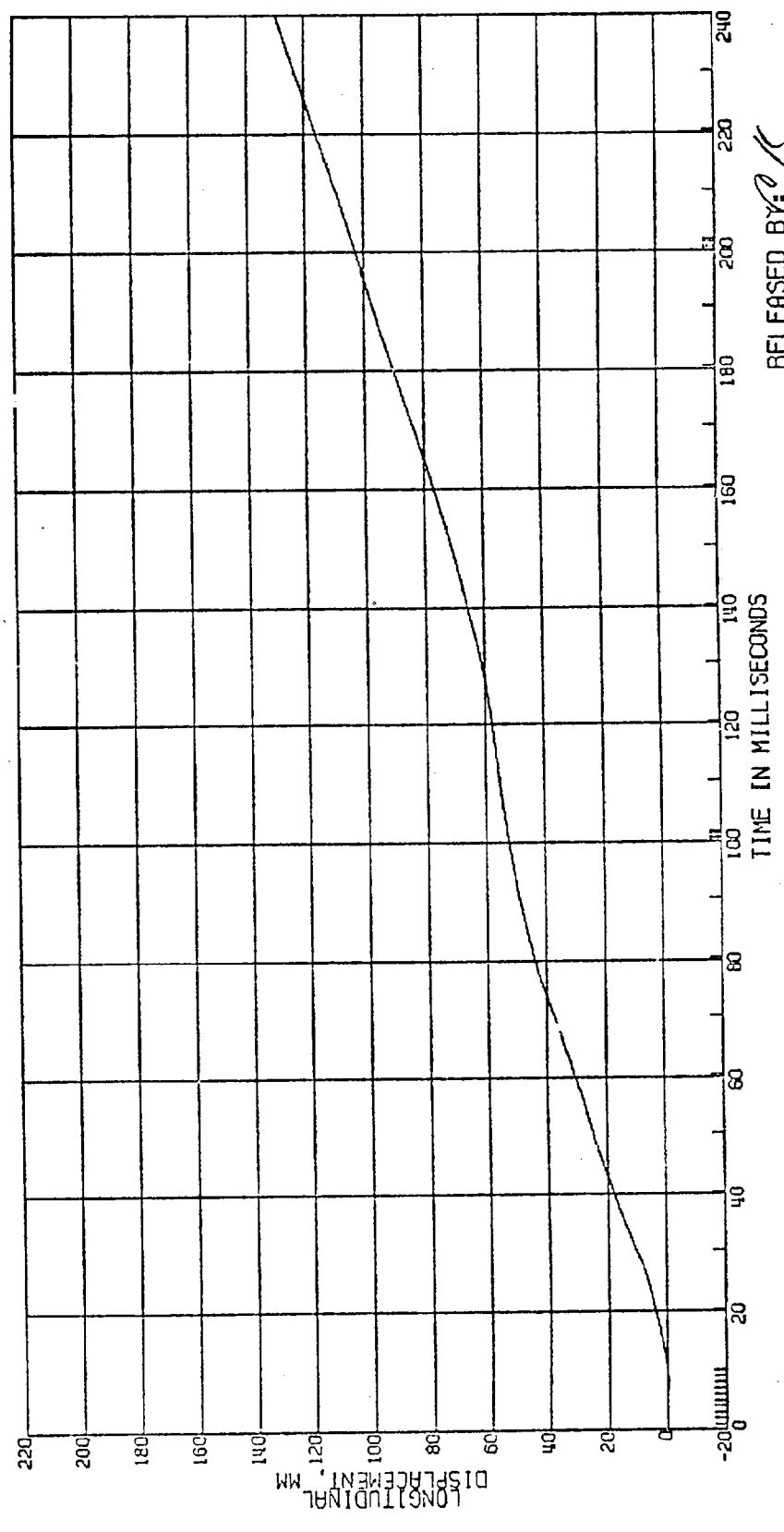
TEST DATE: 06-14-85

(1ST INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: *CK*  
80 PROCESSED 17 JUN 85 18:28

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURES 2  
3865-179  
F.B. LC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 180  
TEST DATE: 06-14-85  
COMPUTED TRUNK DISPLACEMENT  
(2ND INTEGRAL PASS-SIDE ACCELERATION)



RELEASED BY: *[Signature]*  
75 PROCESSED 17 JUN 85 10:20

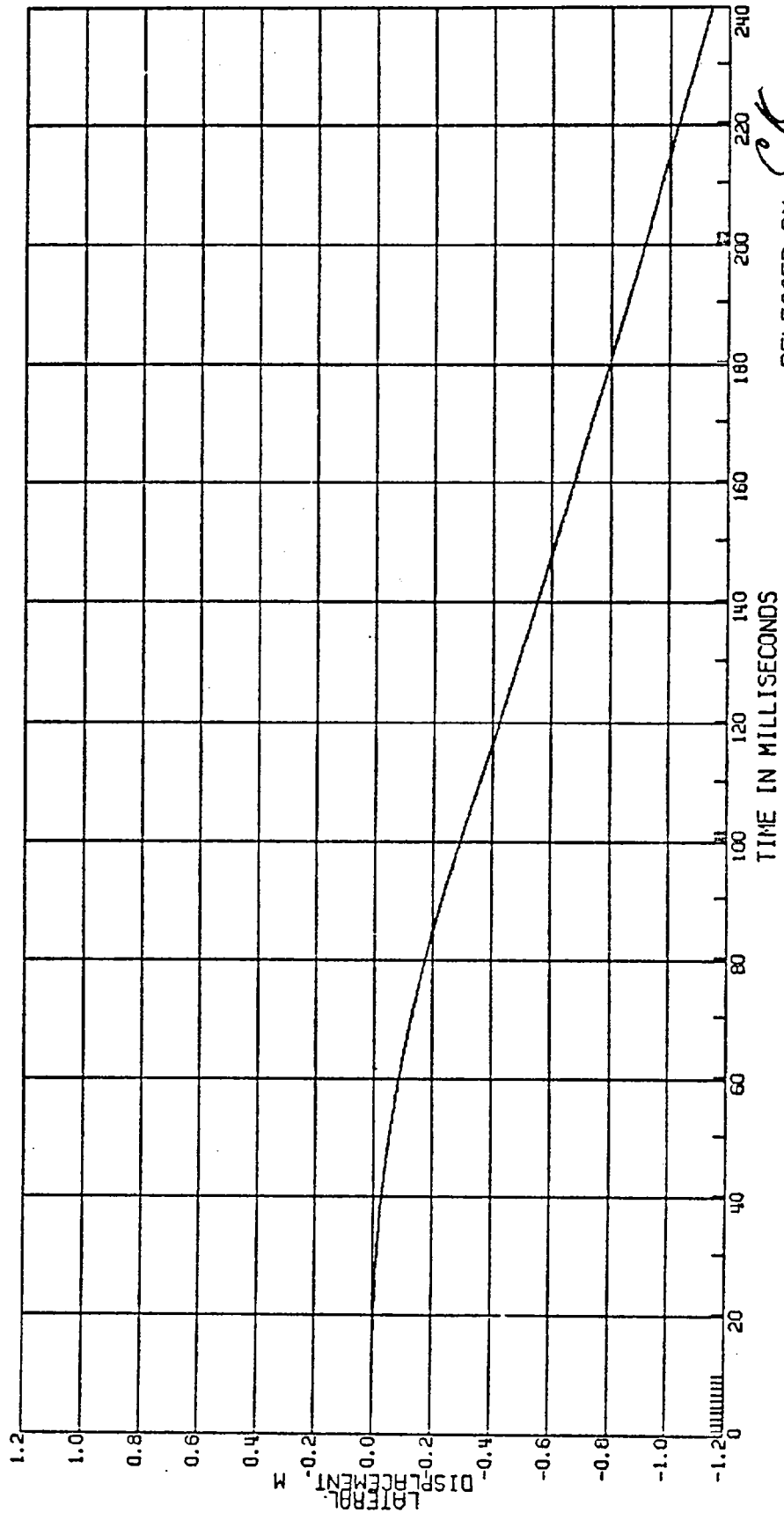
C6252A RIGHT SIDE IMPACT  
3065-179  
F.B. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 180

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 3.

COMPUTED TRUNK DISPLACEMENT

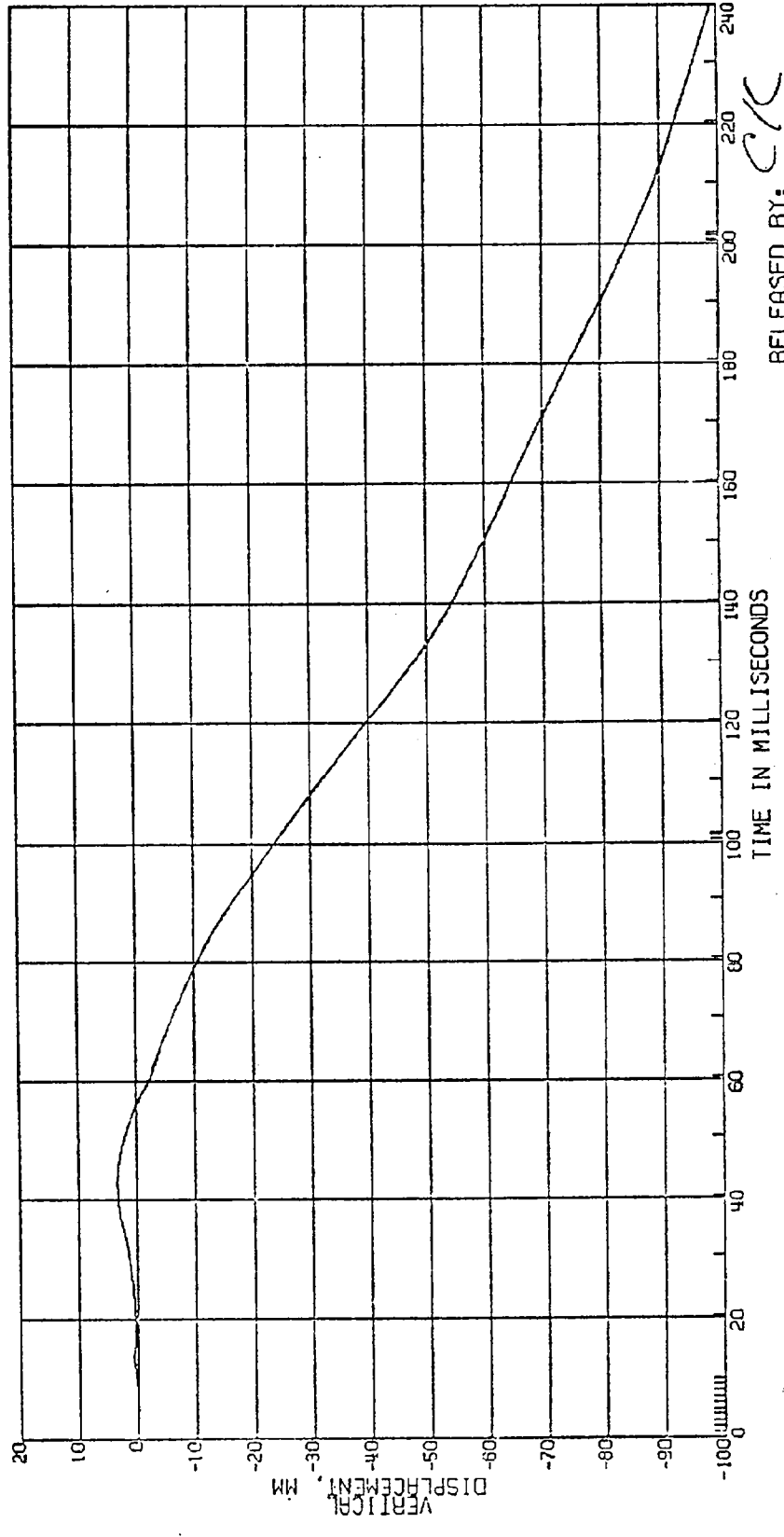
TEST DATE: 06-14-85

(2ND INTEGRAL PASS-SIDE ACCELERATION)



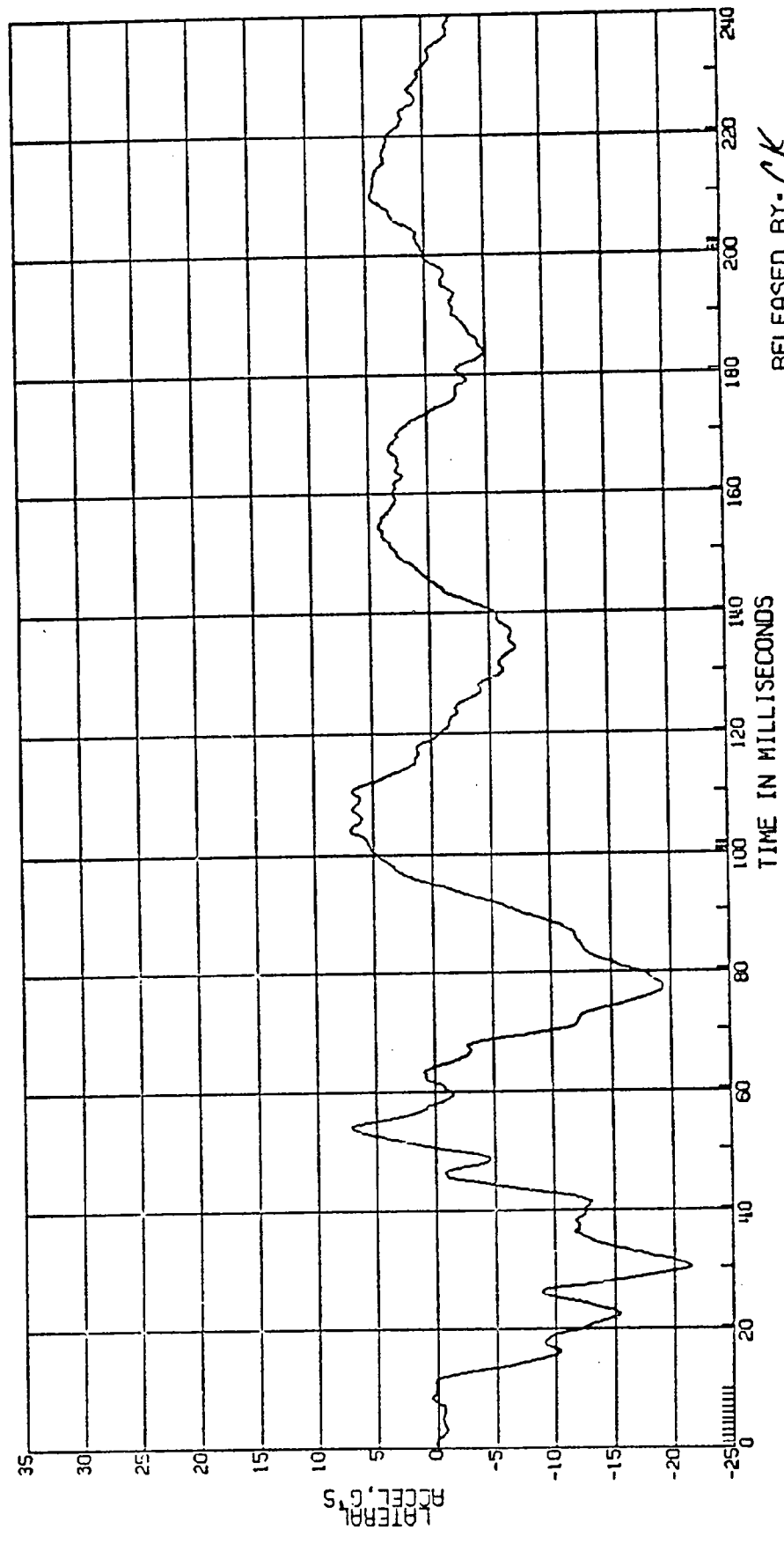
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78 PROCESSED 17 JAN 85 18:28

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURES 4  
3865-179  
F.B. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 180  
COMPUTED TRUNK DISPLACEMENT  
(2ND INTEGRAL PASS-SIDE ACCELERATION)  
TEST DATE: 06-14-85



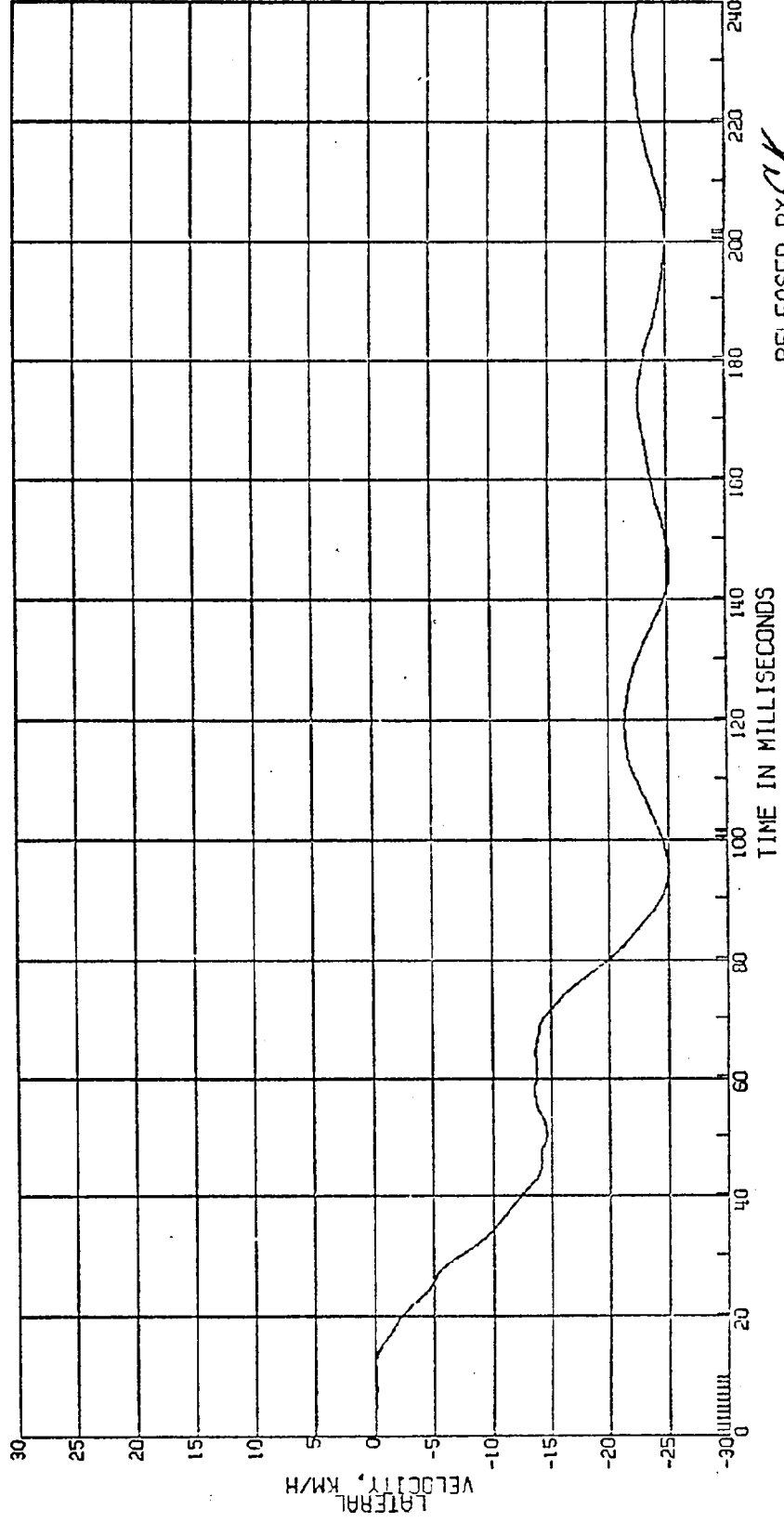
RELEASED BY: CLK  
81 PROCESSED 17 JUN 85 18:29

C62551A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 55  
 F.B.I. UCMC 10111 (STUCK VEH)  
 A-D DATA SAE CLASS 5C TEST DATE: 06-14-85



RELEASED BY: CK  
 55 PROCESSED 17 JUN 85 18:24

C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 56  
3865-179  
F.B. UC443 3CX11 (STUCK VEH)  
A-D DATA SAE CLASS 180  
COMPUTED LT. FRT. DOOR-POINT A' VELOCITY TEST DATE: 06-14-85  
(1ST INTEGRAL DR-SIDE ACCELERATION)



RELEASED BY *BYCK*  
56 PROCESSED 17 JUN 85 18:25

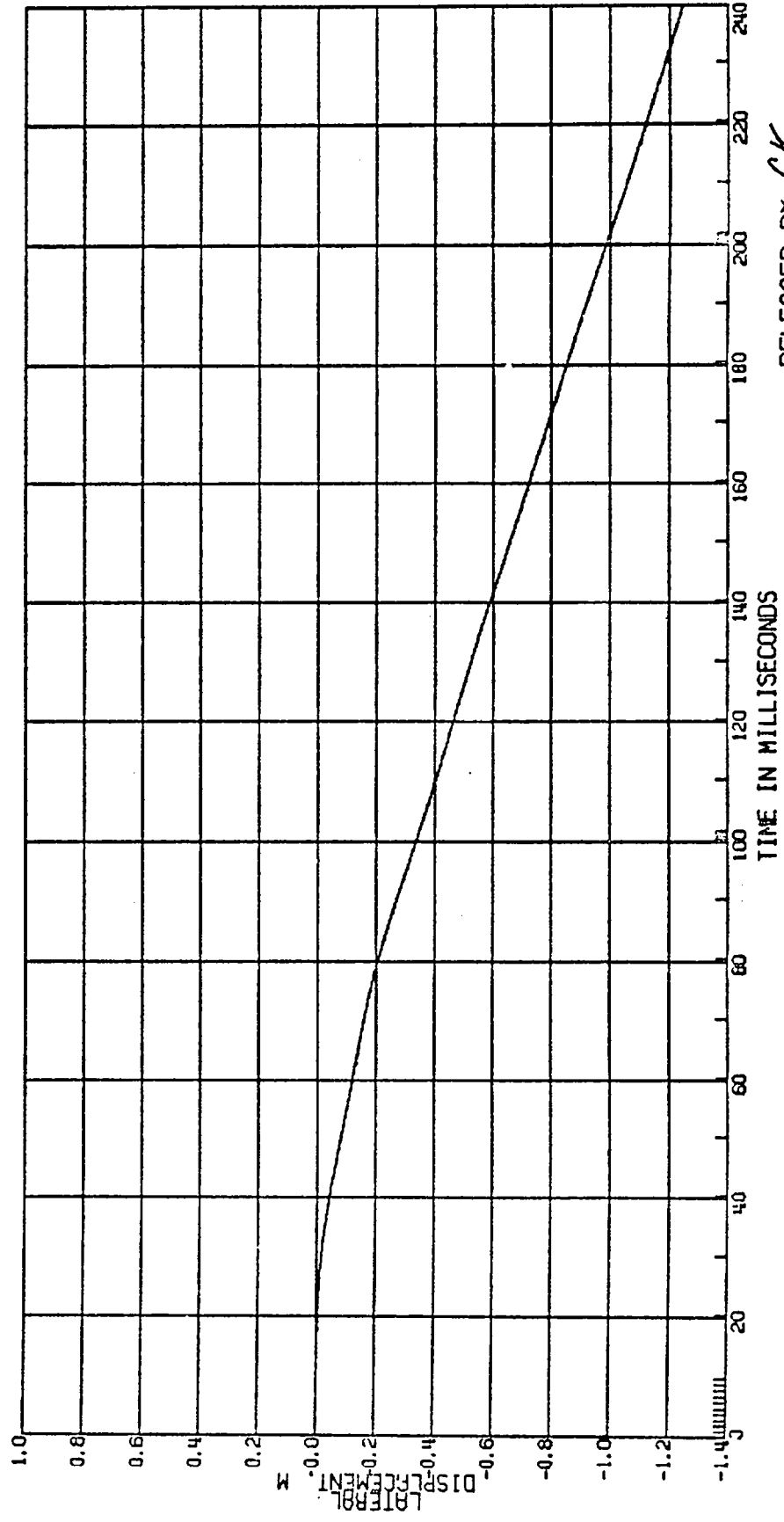
C6252A RIGHT SIDE IMPACT  
3865-179

F.B. UC443 3CX11 (STRUCK VEH)  
A-D DATA SAE CLASS 180

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 57

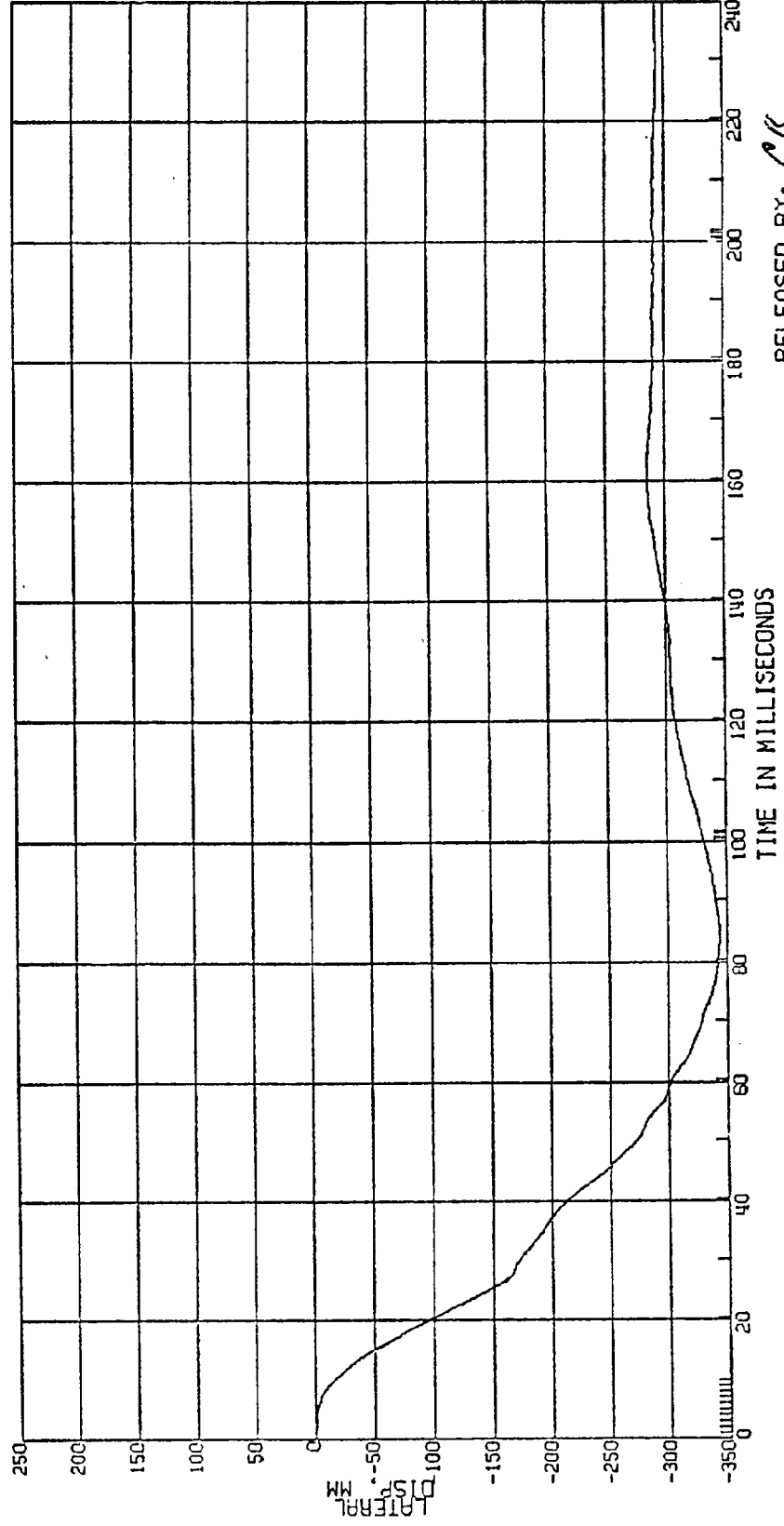
COMPUTED LT.FRT.DOOR-POINT A' DISPLACEMENT TEST DATE: 06-14-85

(2ND INTEGRAL DR-SIDE ACCELERATION)



RELEASED BY: CK  
57 PROCESSED 17 JUN 85 18:25

C6252A RIGHT SIDE IMPACT  
3865-179  
MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURES 8  
F.B. LC443 3CX11 (STRUCK VEH)  
PASS-SIDE B-PILLAR @ BELTLINE DISP.  
A-D DATA SAE CLASS 60  
TEST DATE: 06-14-85



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82 PROCESSED 17 JUN 85 18:30

C6252A RIGHT SIDE IMPACT

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 59

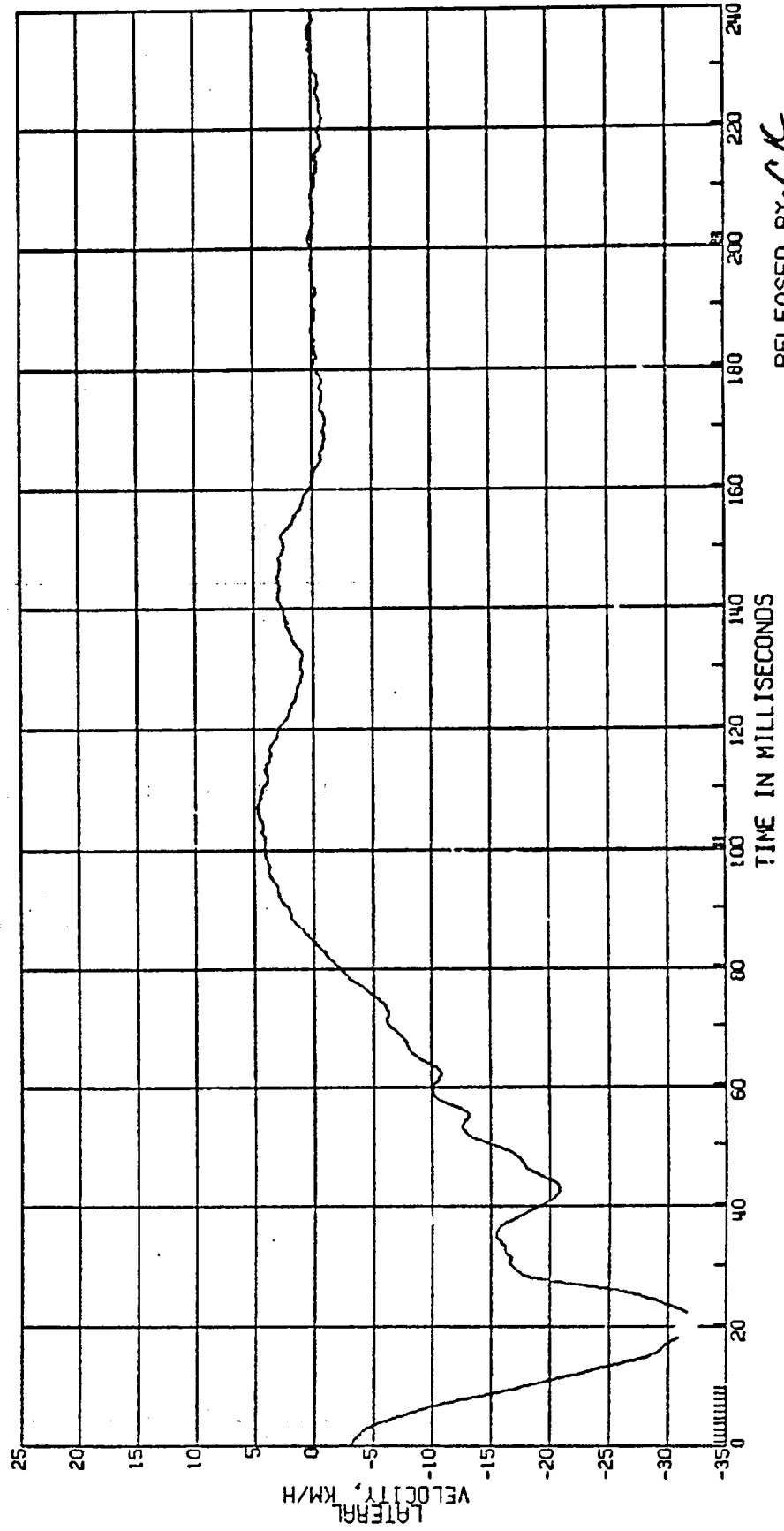
3065-173

F.B. UC443 3CX11 (STRUCK VEH)

TEST DATE: 06-14-85

A-D DATA SAE CLASS 15

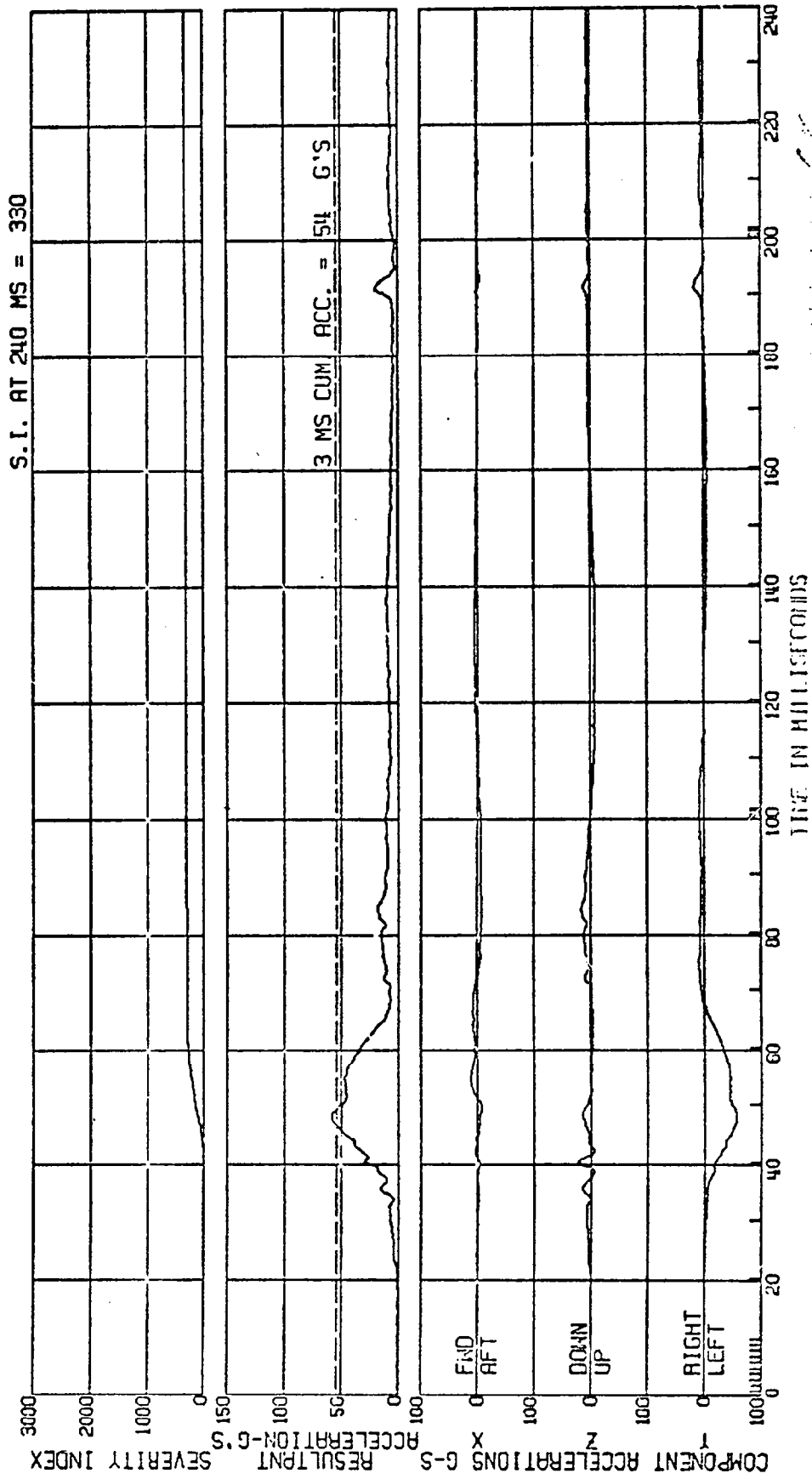
COMPUTED B-PILLAR  $\phi$  BELTLINE VELOCITY



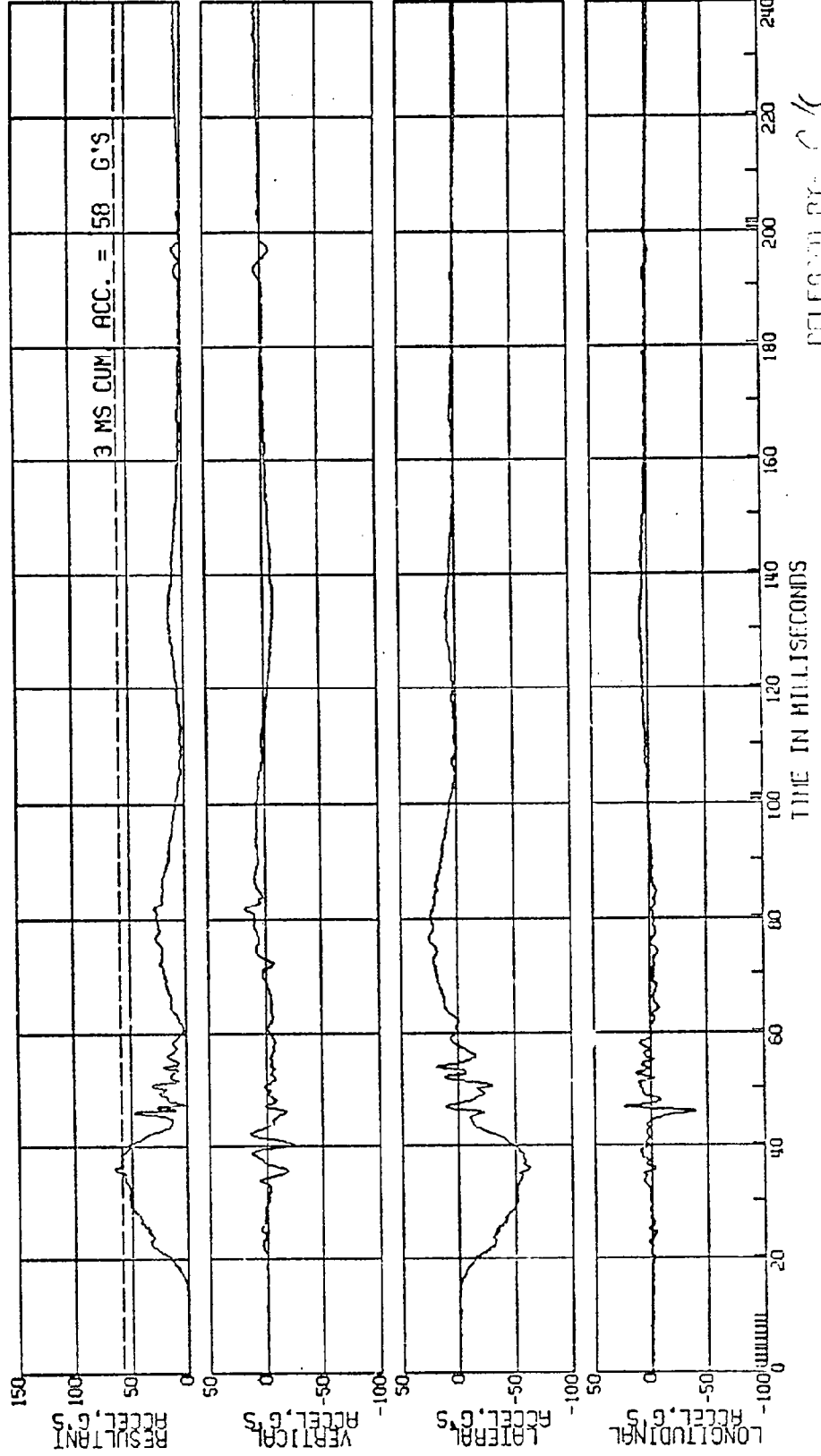
RELEASED BY: *CK*  
83 PROCESSED 17 JUN 85 18:30



C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 6 /  
 0005-1000 A FOR GREAT ACCEL. GM15051 TEST DATE: 06-14-05  
 R-D DATA SIZE CLASS 100



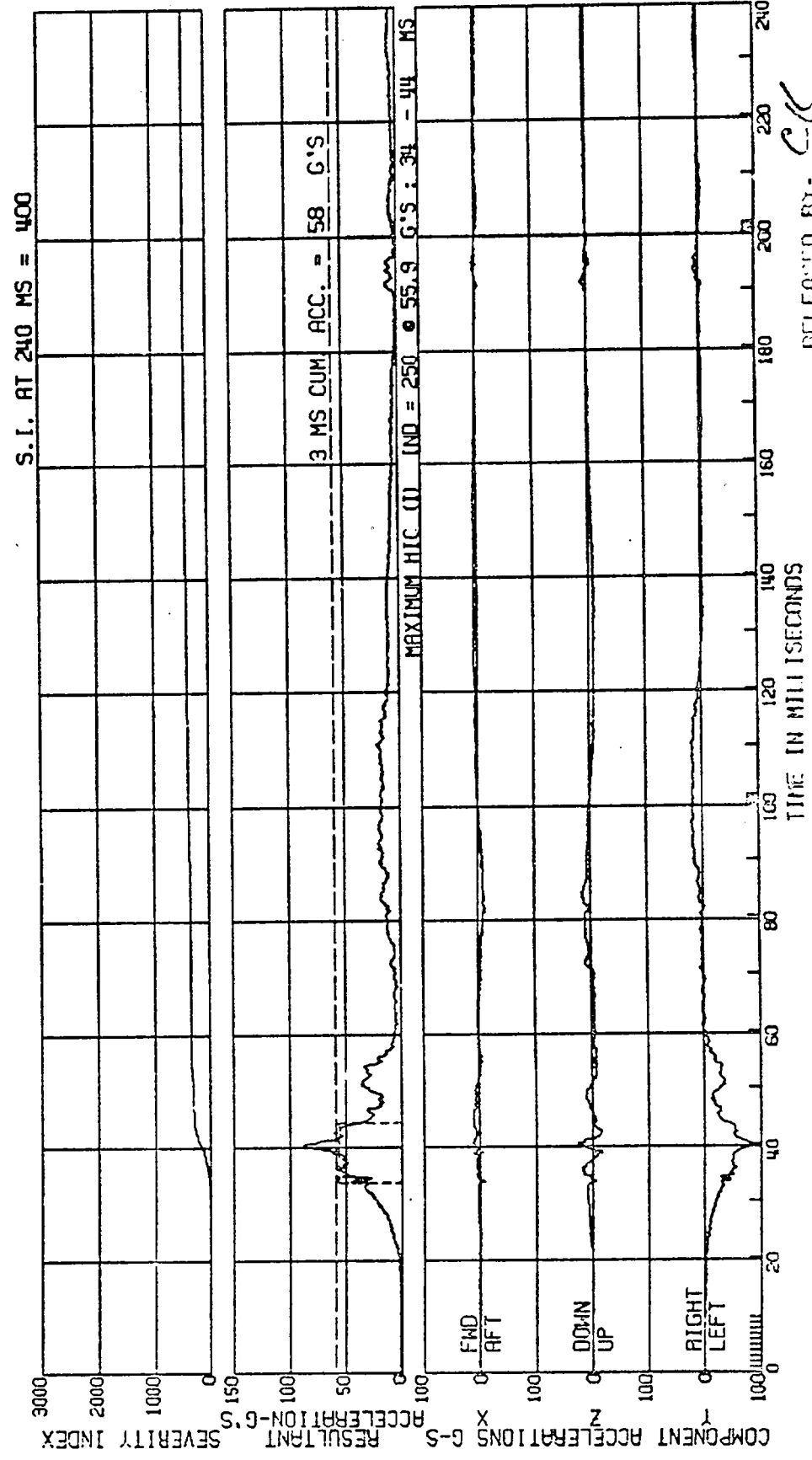
C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 6 2  
 3865-179  
 F.B. 20106 PCV11 (STUCK VEH) R FRT PELVIC ACCEL. GM50SI TEST DATE: 06-14-85  
 A-D DATA SAE CLASS 000



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C6252A RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 63  
 5865-179  
 1980 00X11 (STRUCK VEH)  
 TEST DATE: 06-14-85

R FRT LOWER SPINE ACCEL. GM50SI



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MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 64

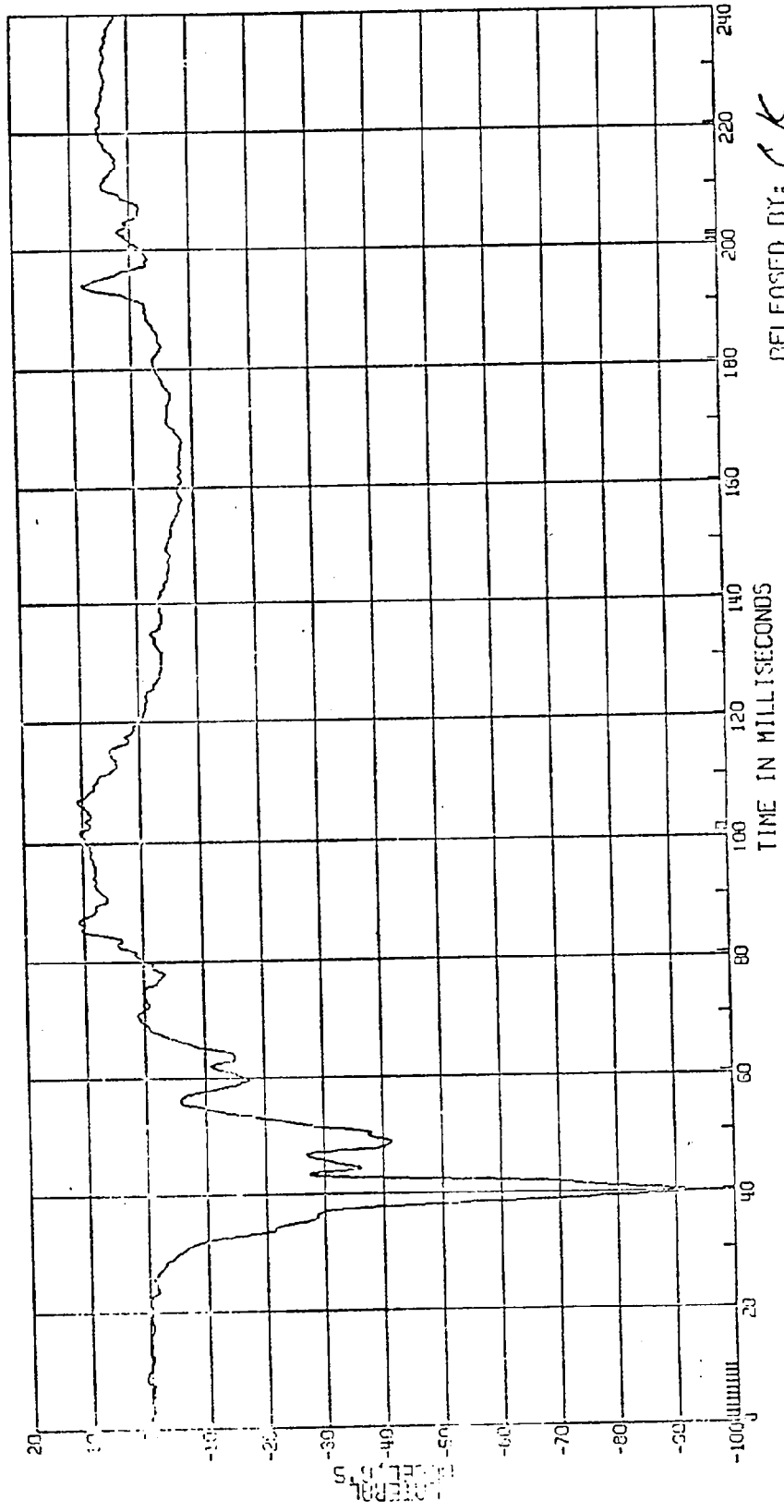
A FRT RIGHT UPPER RIB ACCEL. 0355661

TEST DATE: 05-14-85

03552R RIGHT SIDE IMPACT

03552R 03552R 03552R

03552R 03552R 03552R

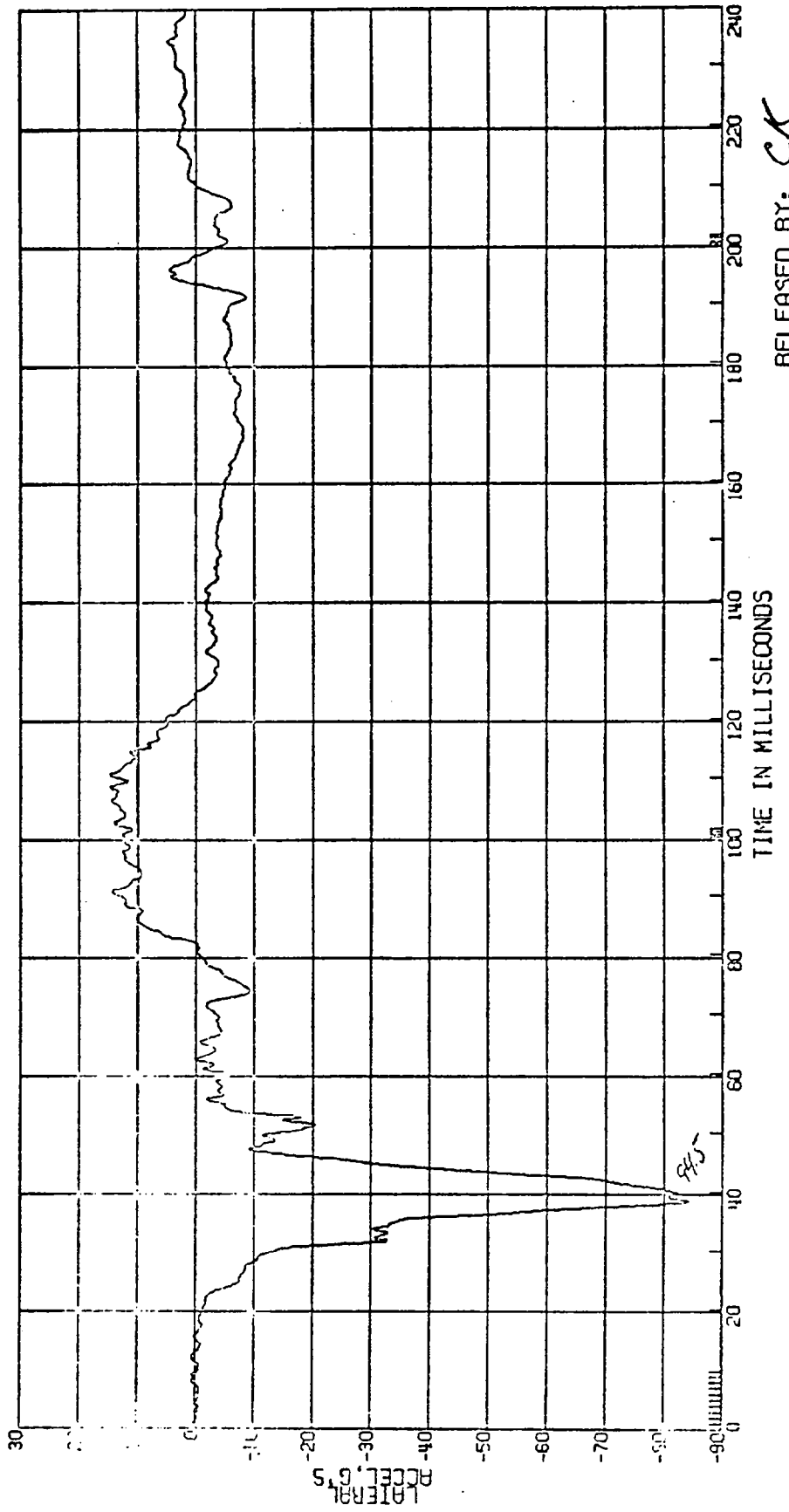


RELEASED BY: CK

LAUNCH TESTS - SHOT TO PARKED VEHICLE 30.3KM/H FIGURE 65

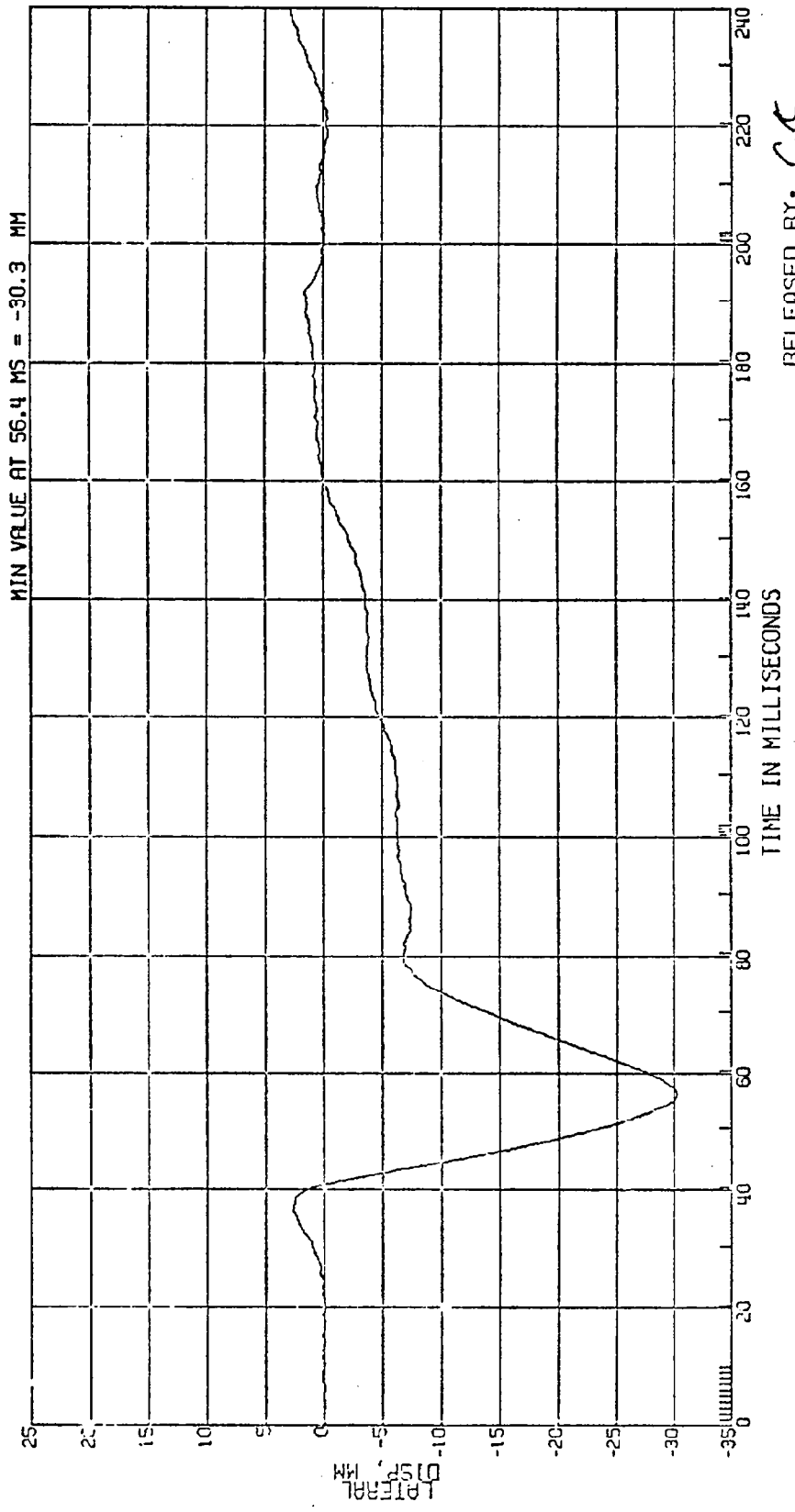
TEST NUMBER: 00-10-10-05

TEST DATE: 27 JUN 85



RELEASED BY: CK  
4 PROCESSED 27 JUN 85 20:05

CG232F RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 66  
 3005 74 R FRT ALIGHT UPPER RID DISP. GM5351 TEST DATE: 05-14-85  
 F.O. CASE 80111 STRUCK VEH  
 A-D DATA SAE CLASS 100



RELEASED BY: CK  
 4 APR 1985 10:14



MOVING VEHICLE TO PARKED VEHICLE 39.3 KM/H FIGURE 68

RIGHT SIDE IMPACT

3048-10

F.B. LCL43 5CX11 (STRUCK VEH)

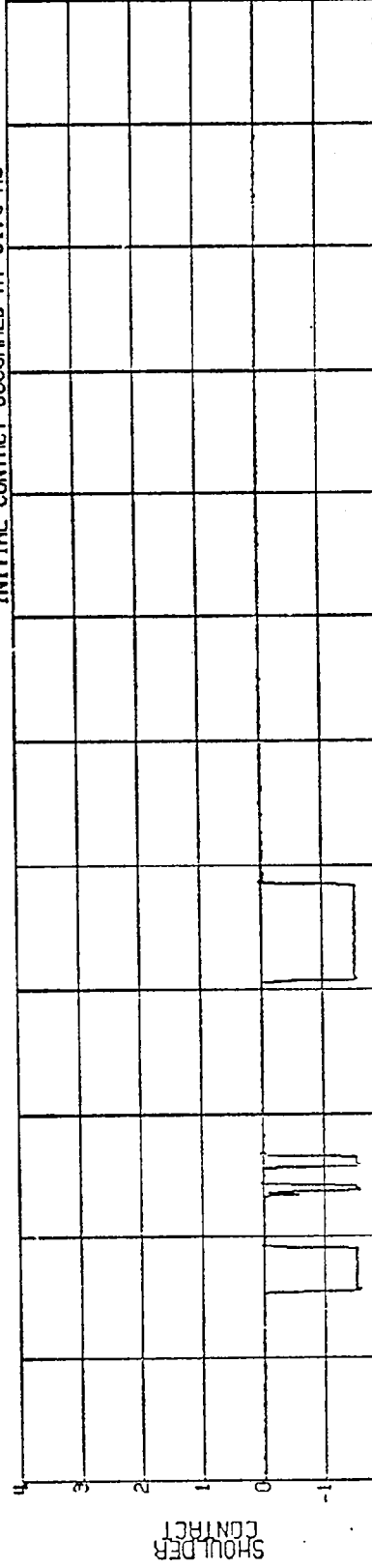
A-D DATA

R FRT

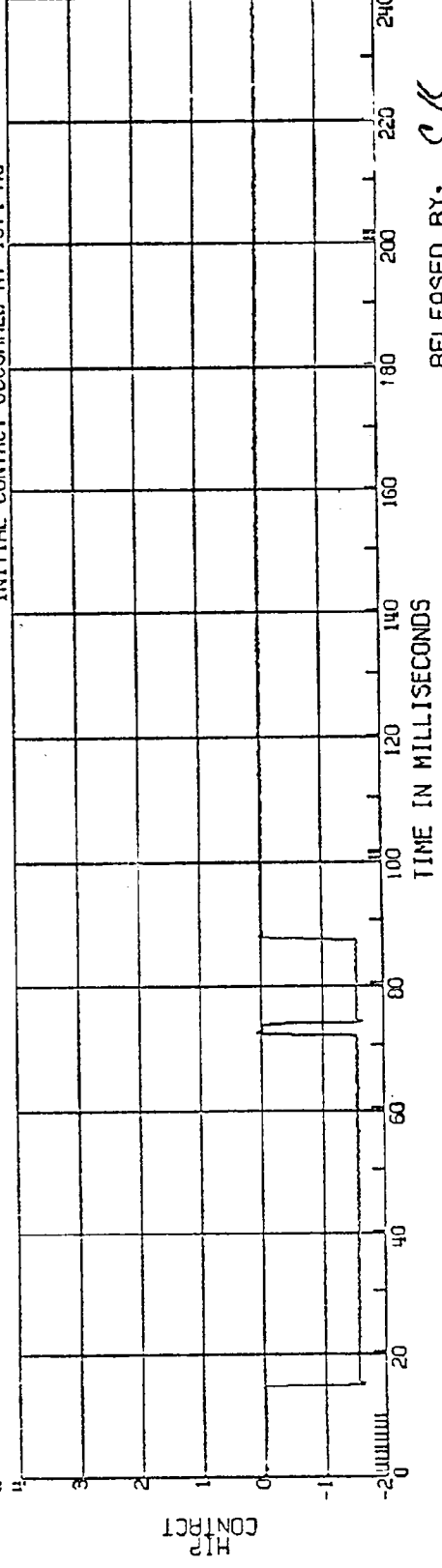
DUMMY TO DOOR CONTACT

TEST DATE: 06-14-85

INITIAL CONTACT OCCURRED AT 31.0 MS

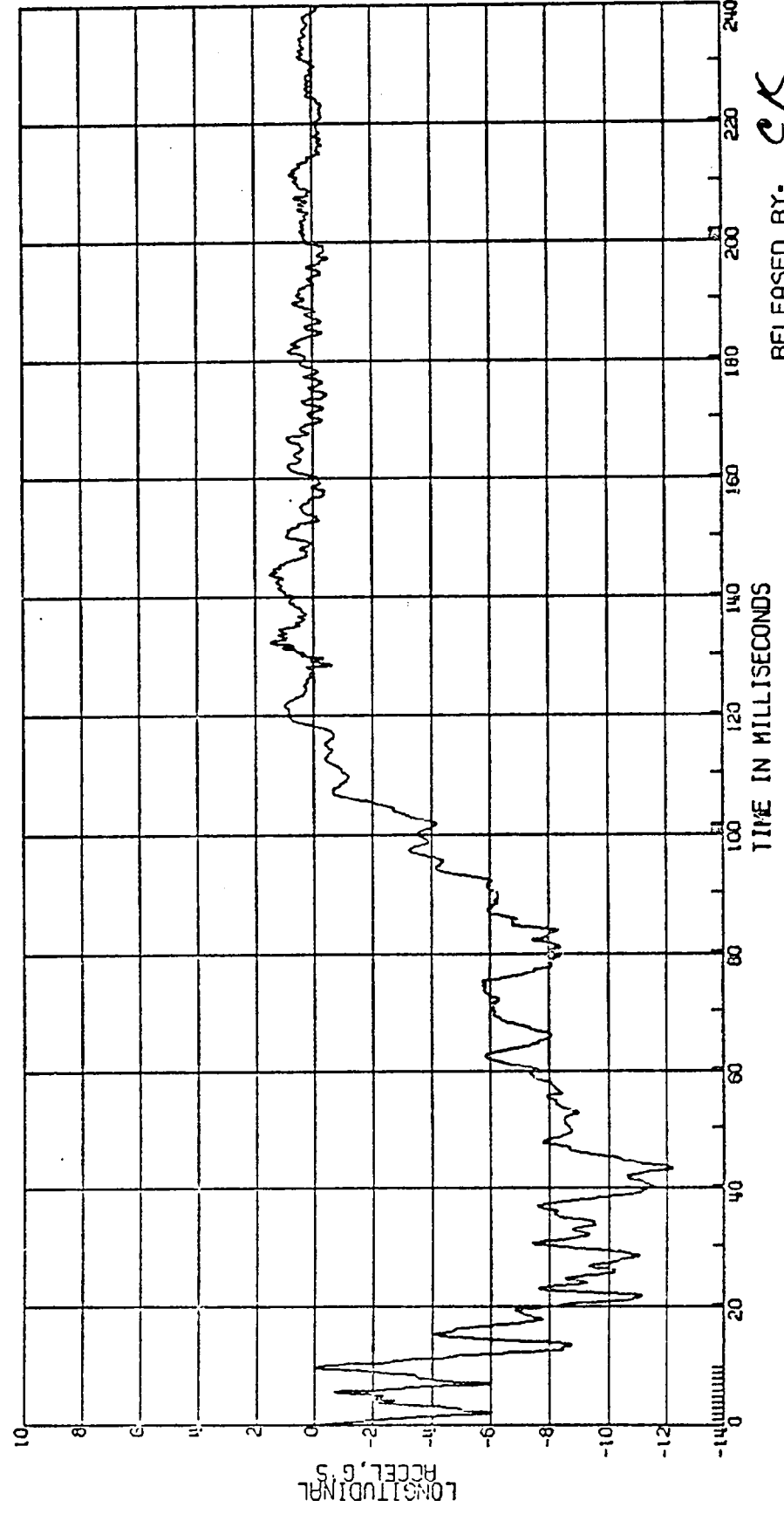


INITIAL CONTACT OCCURRED AT 15.1 MS



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BY PROCESSED 17 JUN 85 18:30

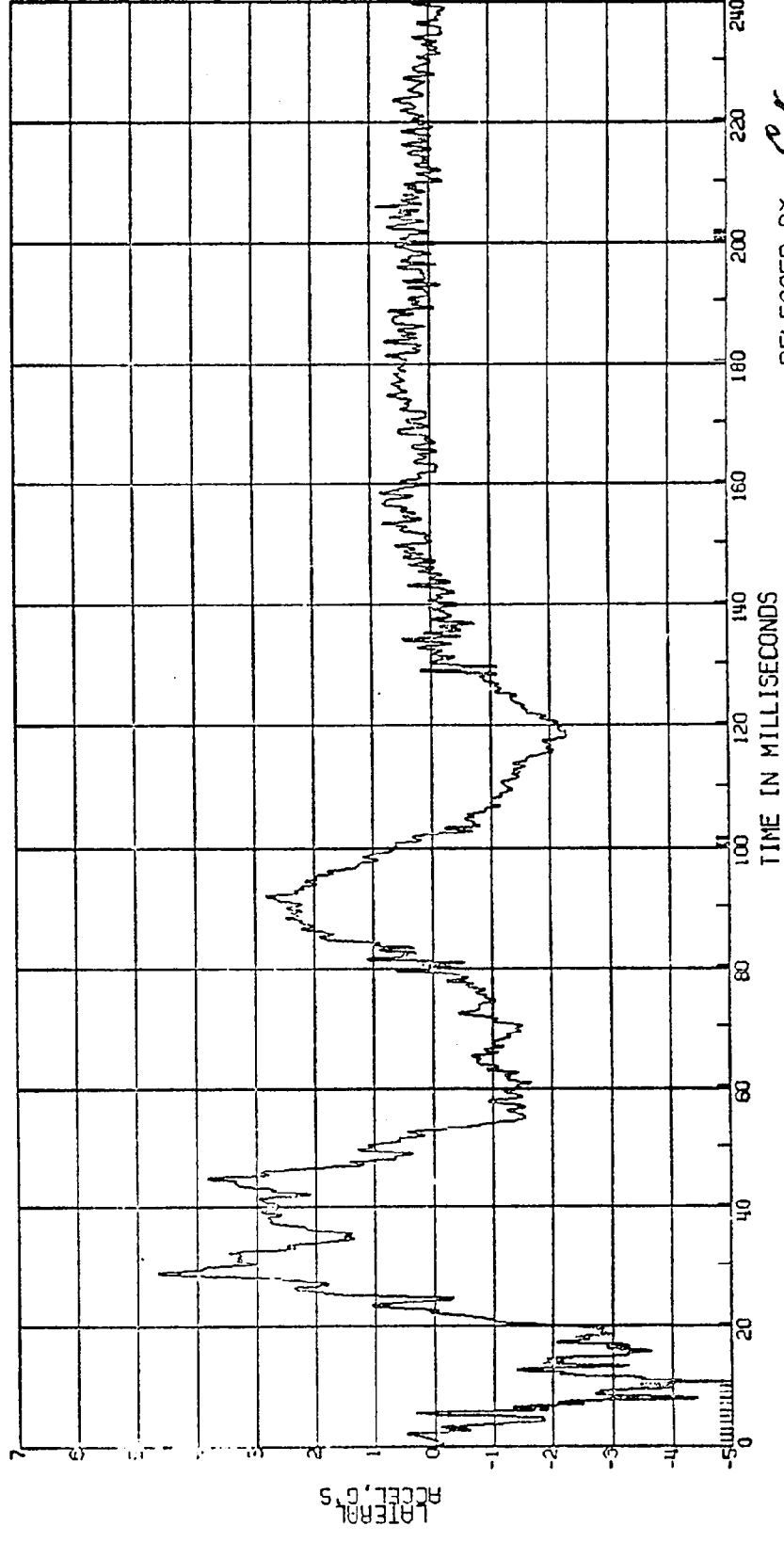
CG2528 RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 69  
0105-170  
R-1. NHTSA S.A.B. (STRIKING VEH)  
R-D DATA SAE CLASS 60 TEST DATE: 06-11-85



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1 PROCESSED 17 JUN 85 17:22

SA 1.5 MILES SOUTH OF I-75 RAMP 200 SOUTH I-75 RAMP 200

TEST DATE: 06-11-85  
DR-SIDE FRONT OF BARRIER ACCEL.  
LATERAL ACCEL. G'S



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10 PROCESSED 17 JUN 85 17:25

CG2528 RIGHT SIDE IMPACT

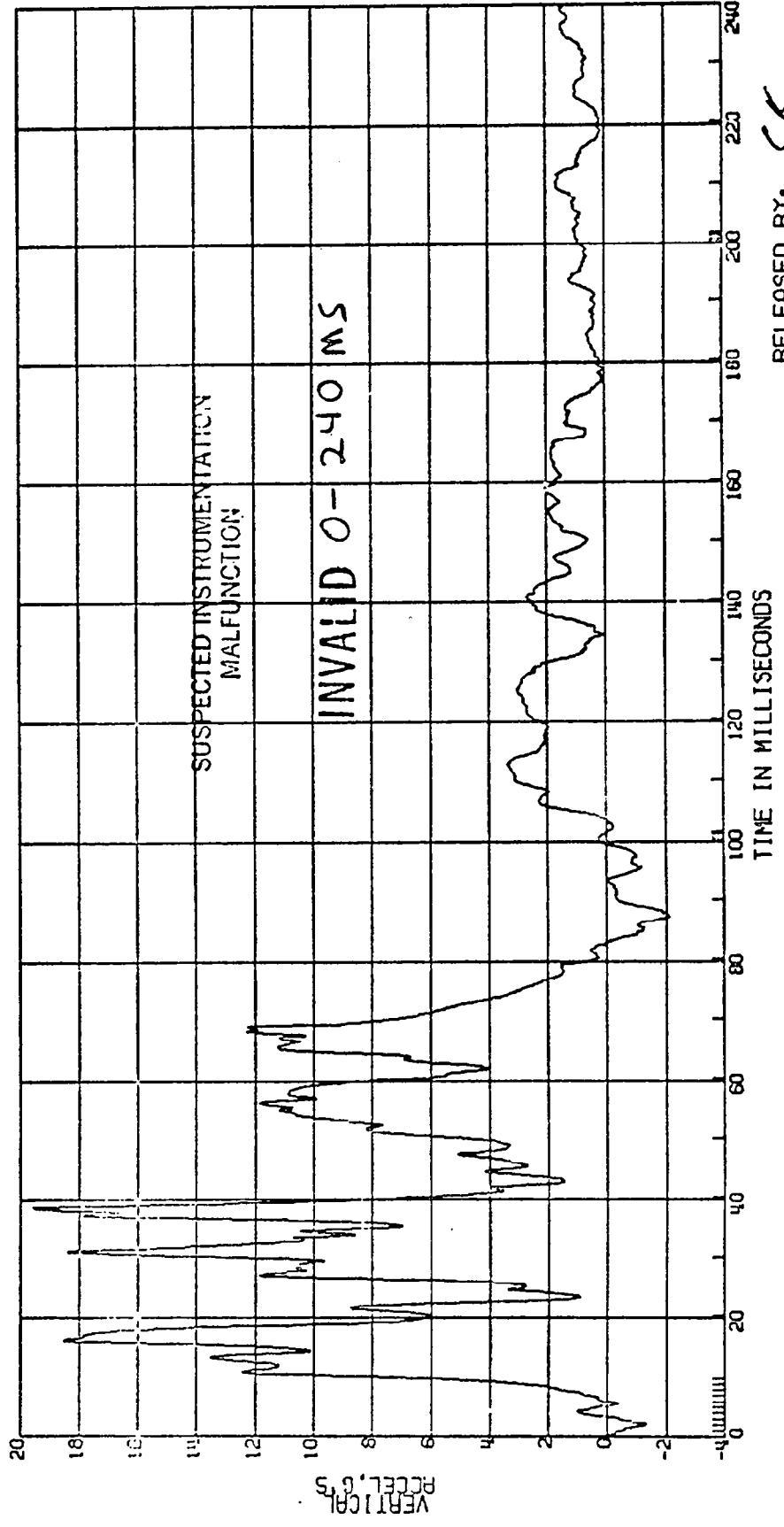
MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 7/

3005-173

DR-SIDE FRONT OF BARRIER ACCEL.

TEST DATE: 06-11-85

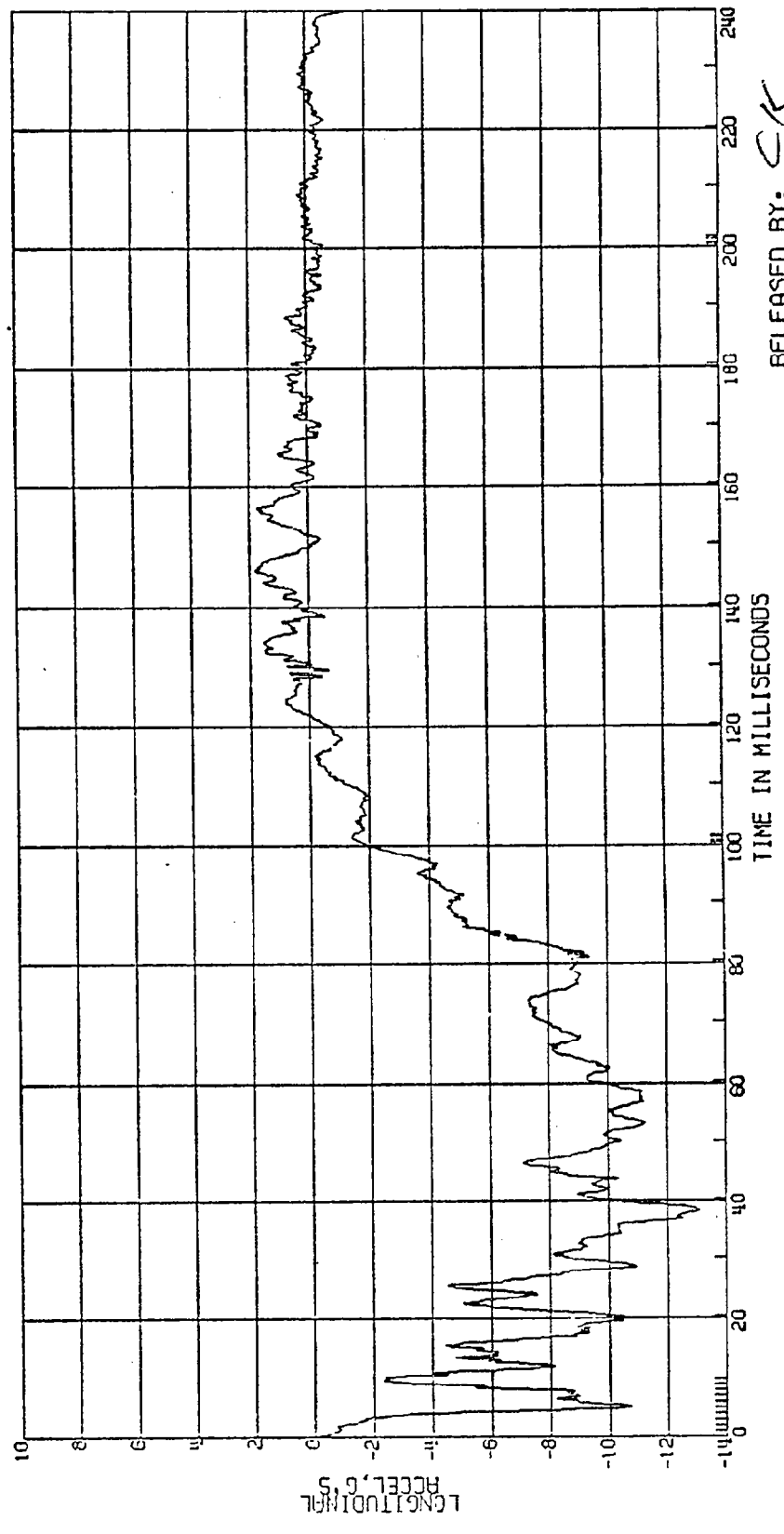
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19 PROCESSED 17 JUN 85 17:28

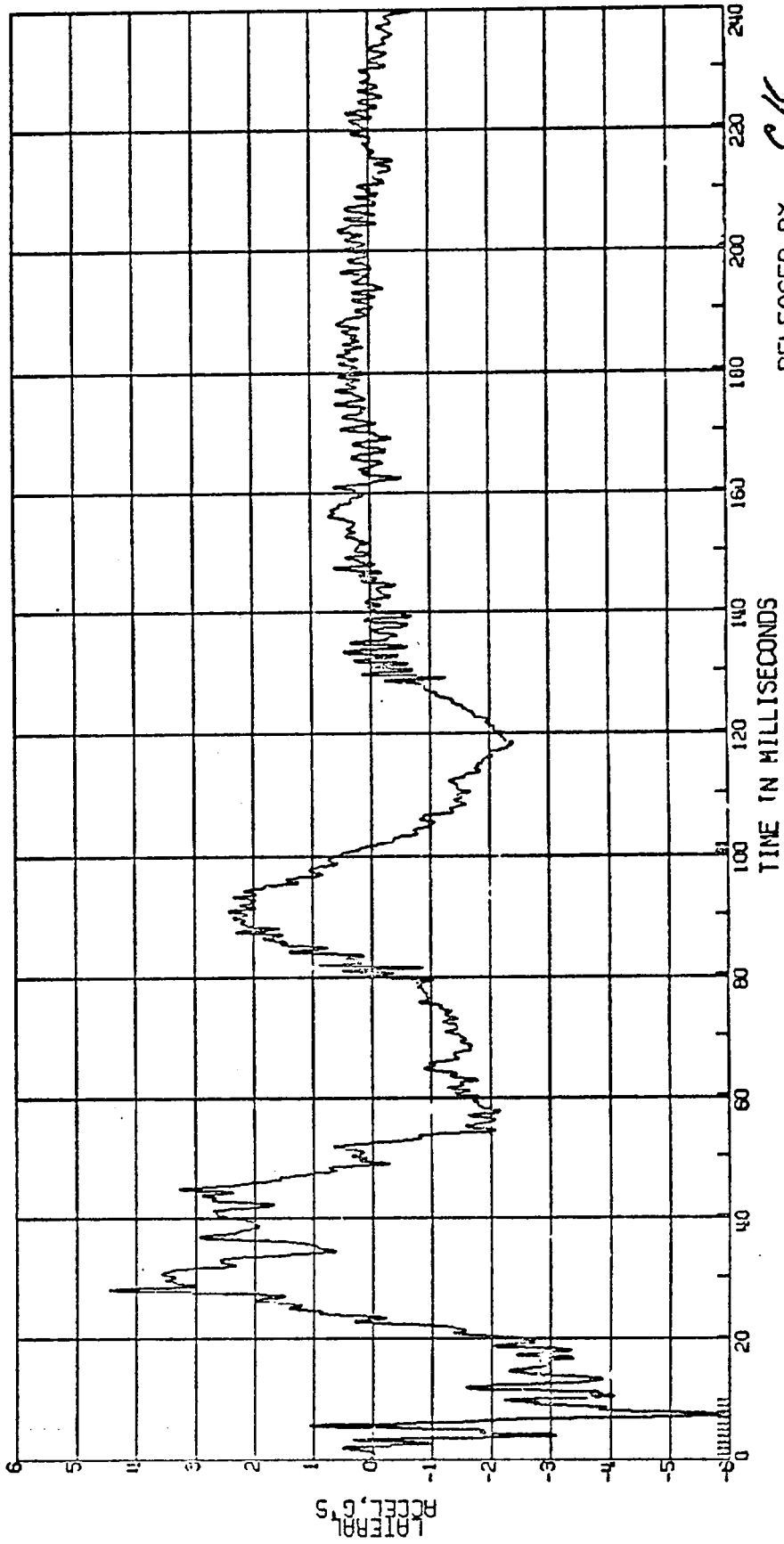
C62528 RIGHT SIDE IMPACT  
3065-179  
F.D. NHTSA BARR. (STRIKING VEH)  
R-D DATA SRE CLASS 6C

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 72  
PASS-SIDE FRONT OF BARRIER ACCEL.  
TEST DATE:06-11-85



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4 PROCESSED 17 JUN 85 17:23

CG2528 RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 73  
3865-179  
F. O. NHTSA DATA (STRIKING VEH)  
A-D DATA SAE CLASS 60 TEST DATE: 06-11-85



RELEASED BY: *CK*  
13 PROCESSED 17 JAN 85 17:28

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 74

PASS-SIDE FRONT OF BARRIER ACCEL.

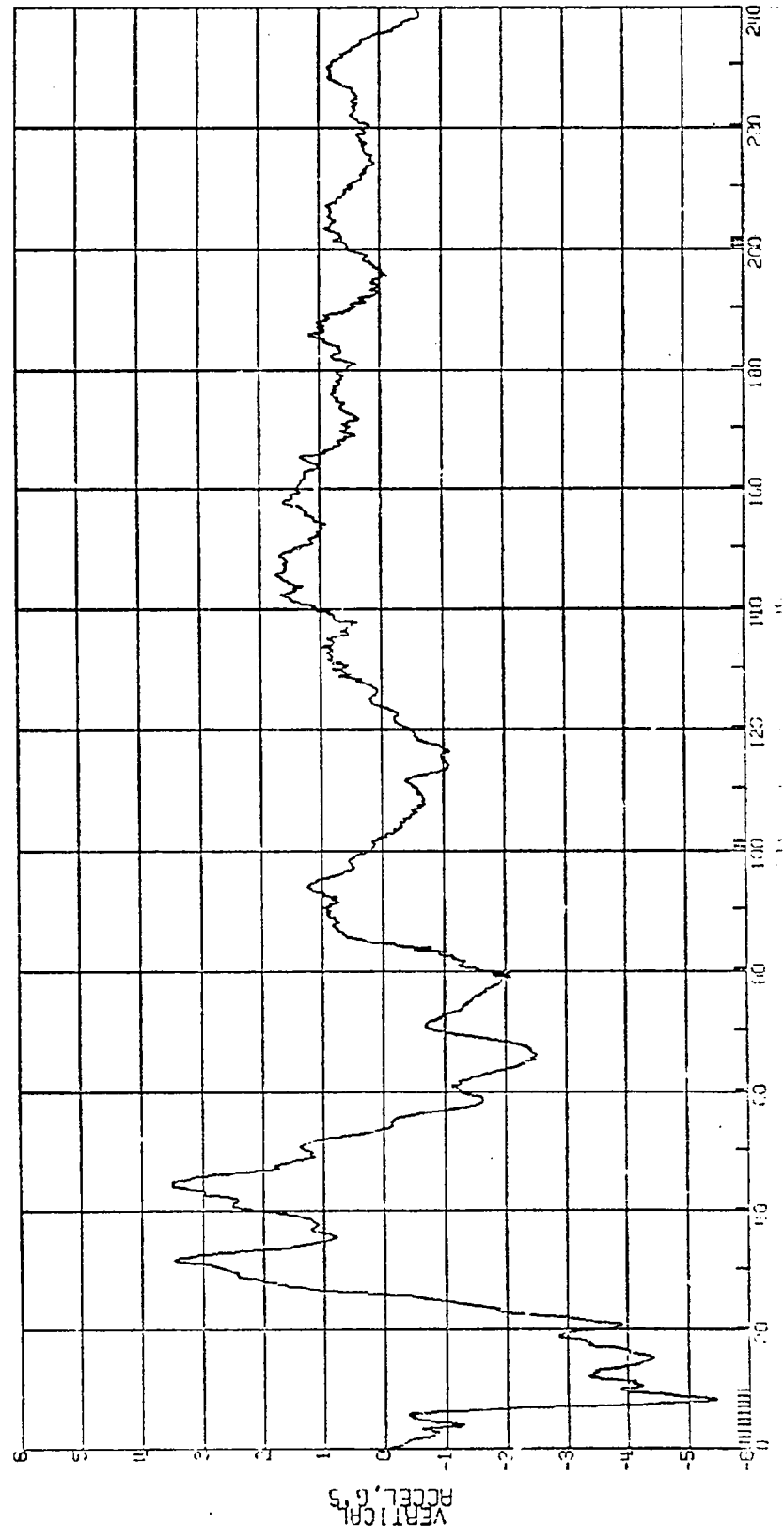
TEST DATE: 06-11-85

062528 RIGHT SIDE IMPACT

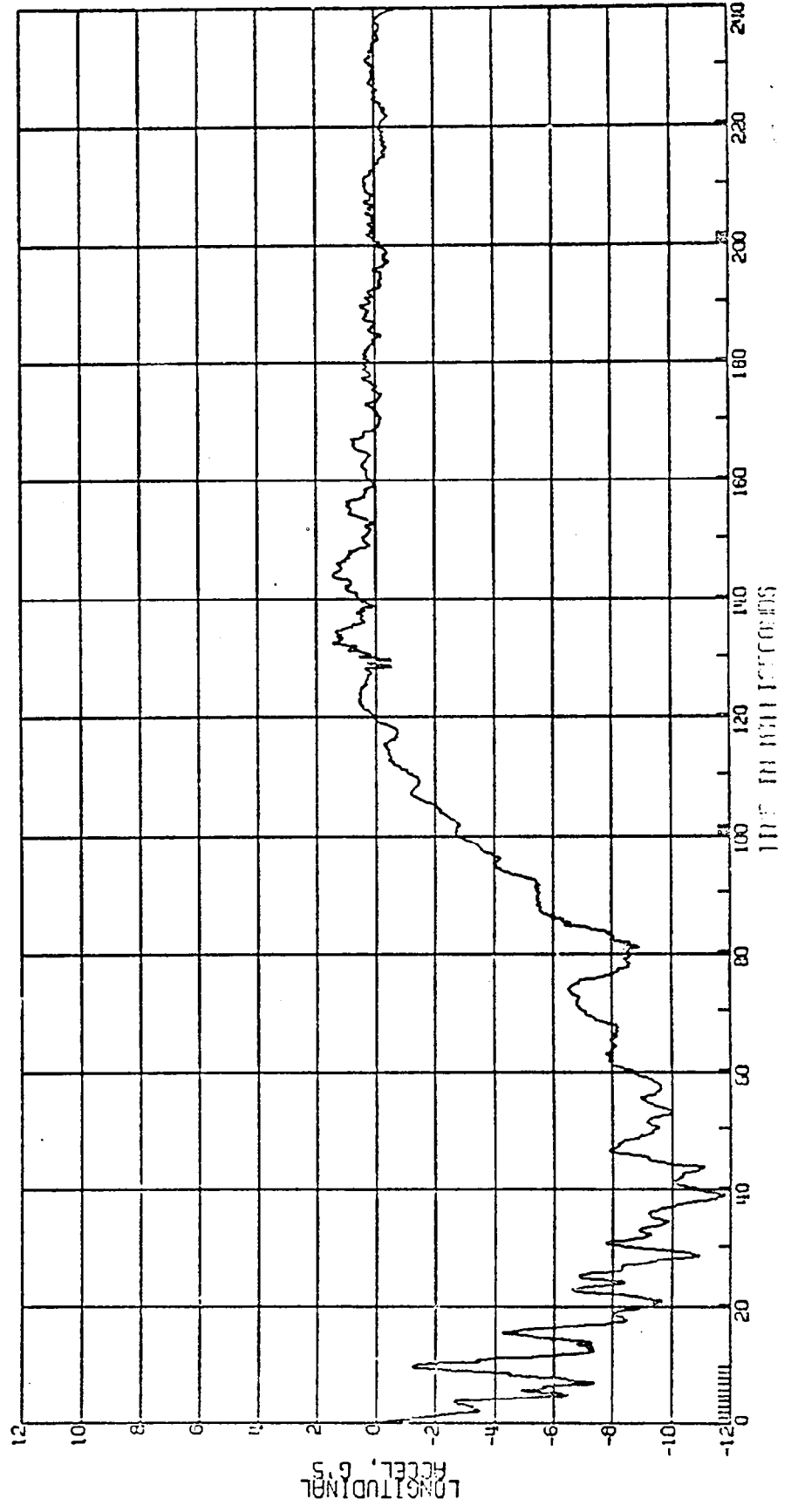
0955-179

NHTSA DATA CENTERING VEH.

R-3 DATA SAE CLASS 00



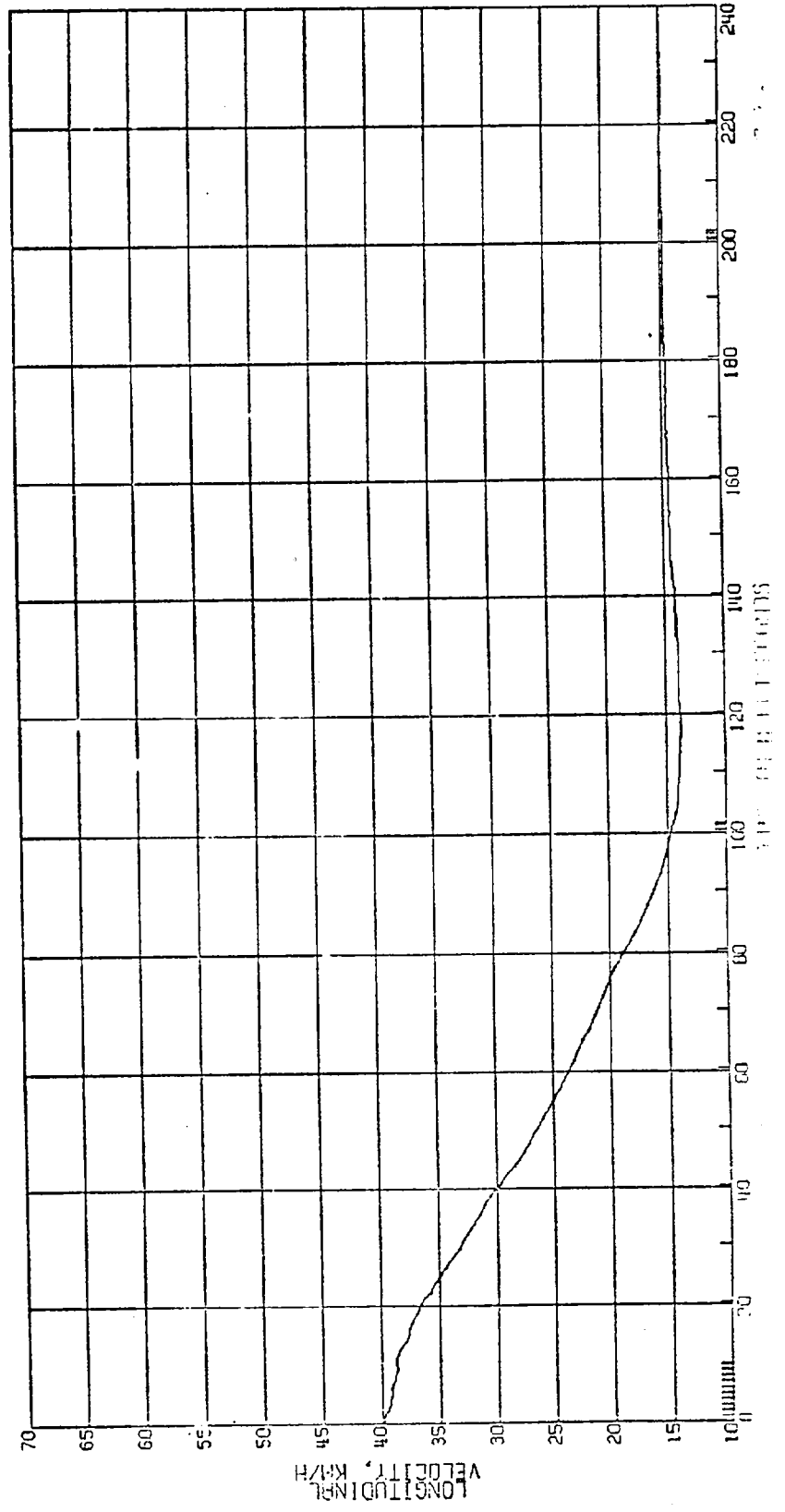
C62528 RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 75  
3365-179  
NHTSA BARR. (STRIKING VEH)  
R-0 DATA SAE CLASS CC  
AVERAGED DRIVER & PASSENGER SIDE  
FRONT OF BARRIER ACCELERATION  
TEST DATE: 06-11-85



MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 76  
TEST DATE: 06-11-85

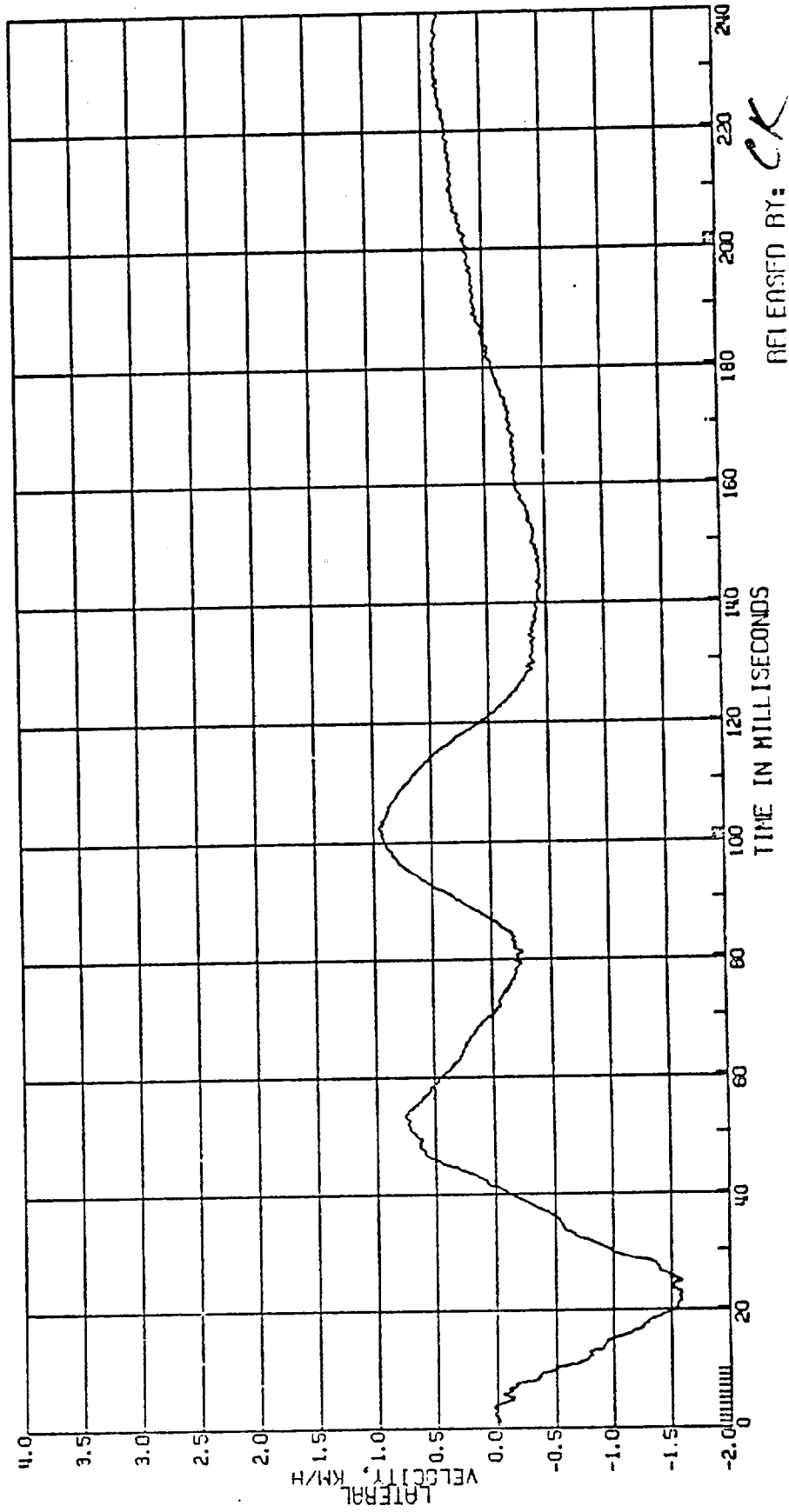
COMPUTED FRONT OF BARRIER VELOCITY  
(1ST INTEGRAL DR-SIDE ACCELERATION)

C5252B RIGHT SIDE IMPACT  
3035-179  
P.O. NHTSA BARR. STRIKING VEH  
A-D DATA SEE CLASS 180



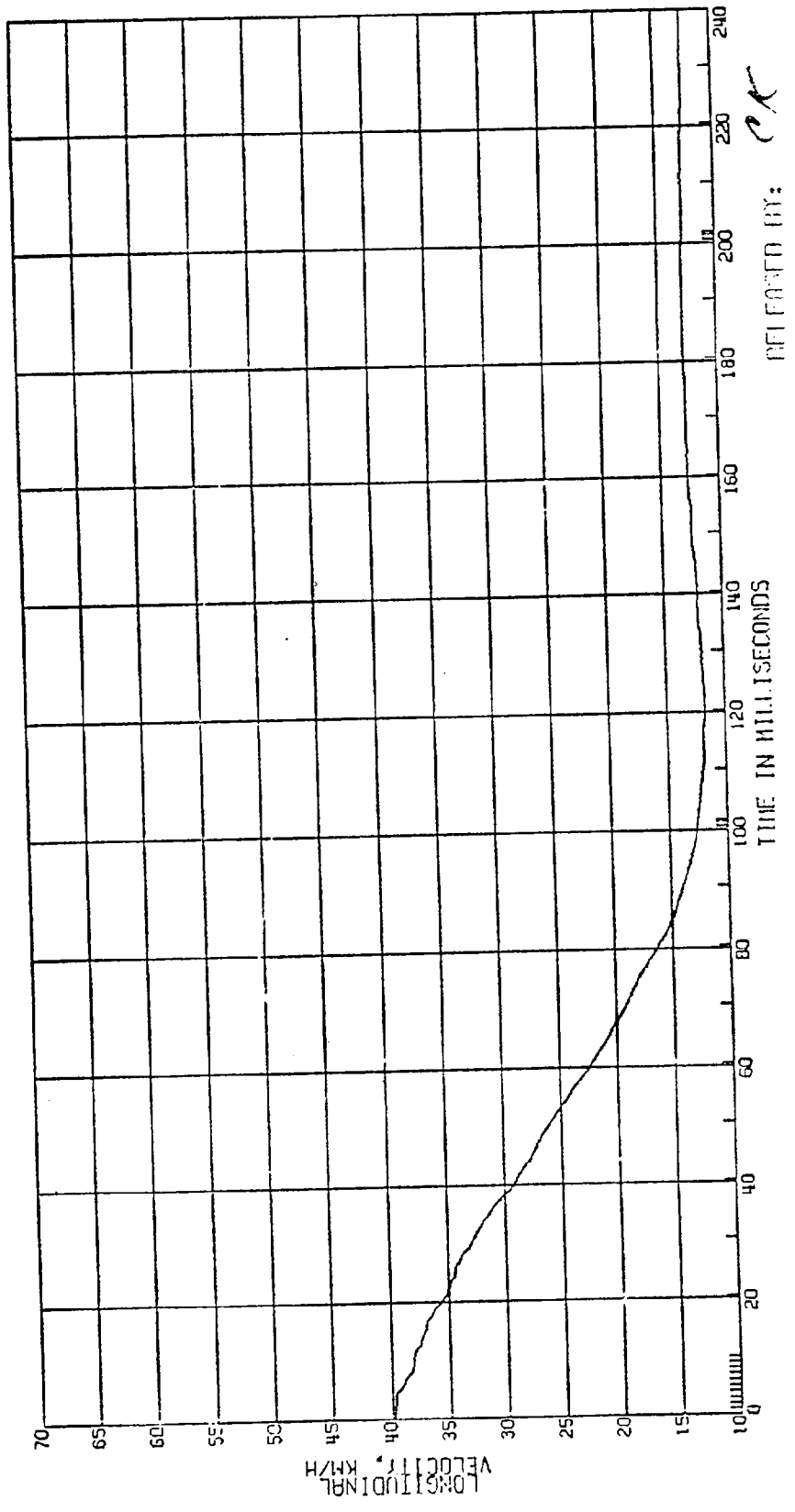
C62528 RIGHT SIDE IMPACT  
3205-179  
MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 77  
F. O. NHTSA BARR. (STRIKING VEH)  
A-D DATA SAE CLASS 130  
COMPUTED FRONT OF BARRIER VELOCITY  
(1ST INTEGRAL DR-SIDE ACCELERATION)

TEST DATE: 06-11-85



RELEASED BY: CK

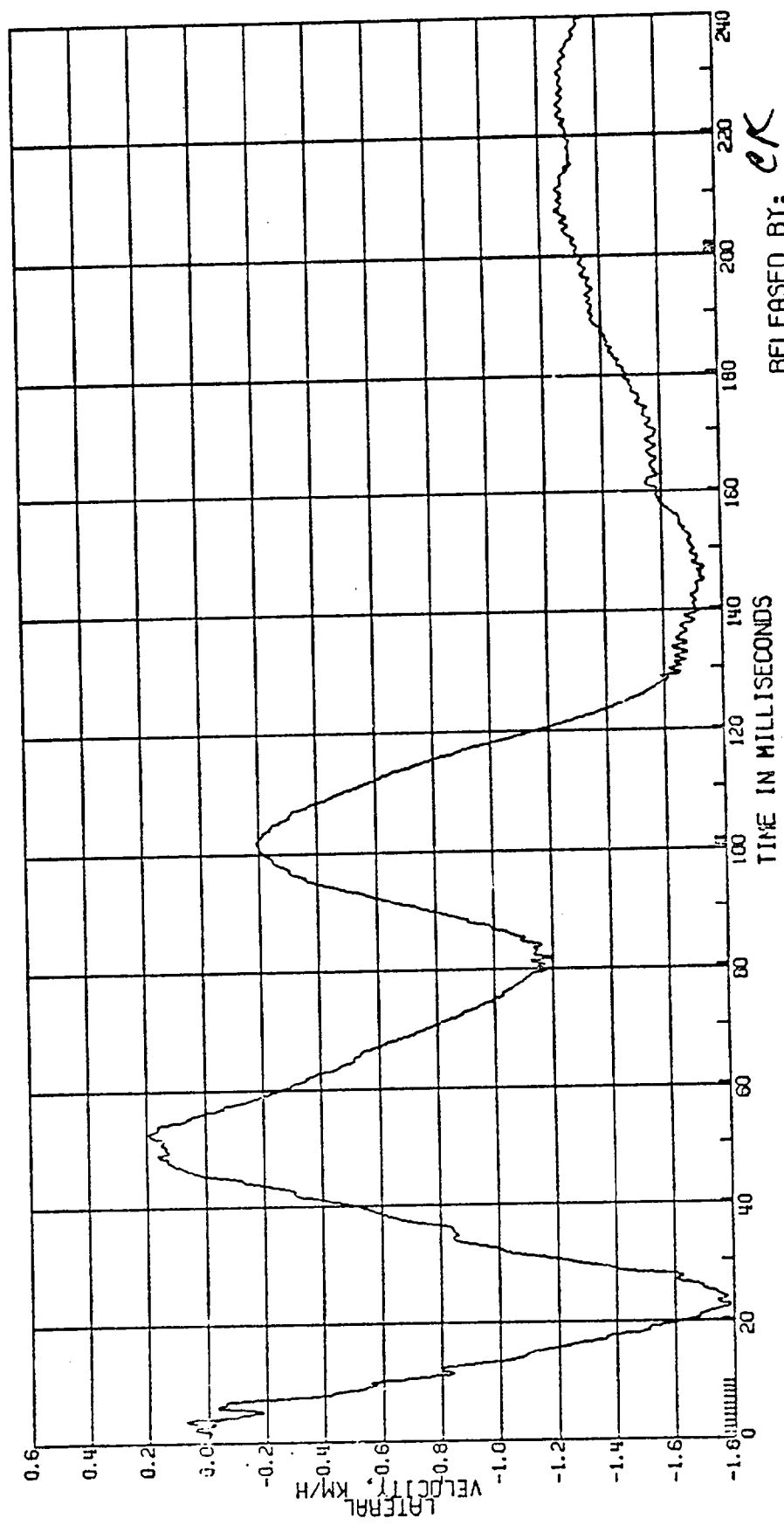
00252B RIGHT SIDE IMPACT  
 0035-179  
 NHTSA BARR. STRIKING VEH:  
 S-5 DATA SAE CLASS 160  
 MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 78  
 COMPUTED FRONT OF BARRIER VELOCITY  
 (1ST INTEGRAL PASS-SIDE ACCELERATION)  
 TEST DATE: 06-11-85



PREPARED BY: CA

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 79  
COMPUTED FRONT OF BARRIER VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

CG2528 RIGHT SIDE IMPACT  
3005-179  
P.O. HIGH BARR. (STRUCKING VEH)  
R-3 DATA SEE CLASS 100

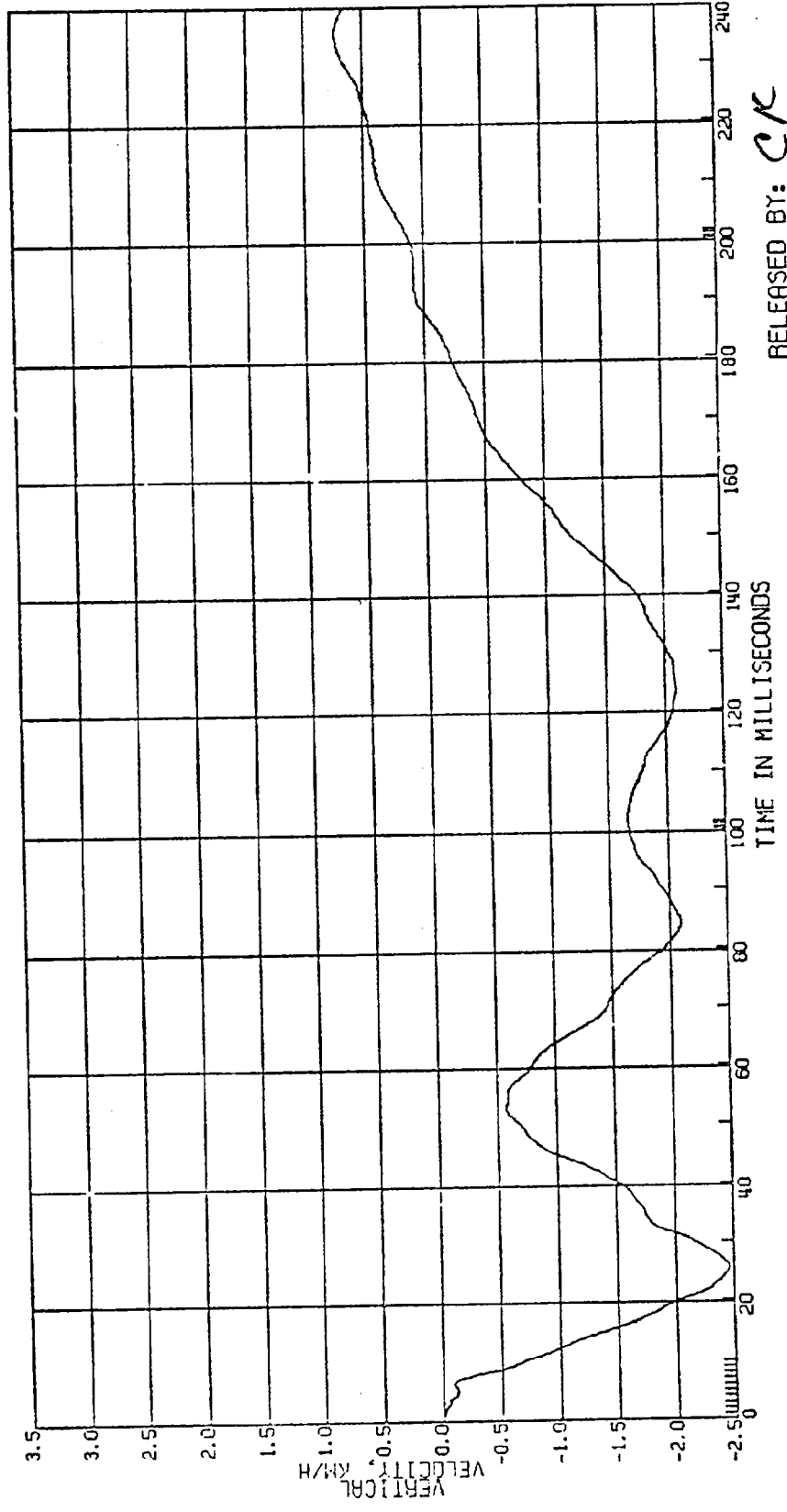


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14 FEBRUARY 17 AM 65 17:26

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 80  
COMPUTED FRONT OF BARRIER VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

C62528 RIGHT SIDE IMPACT  
3865-179  
F.B. NHTSA BARR. (STRIKING VEH)  
A-D DATA SAE CLASS 130

TEST DATE: 06-11-85



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23 PRINTED 17 JUN 85 17:20

C62528 RIGHT SIDE IMPACT

9013-170

VEHICLE 1000000000 (STRIKING VEH)

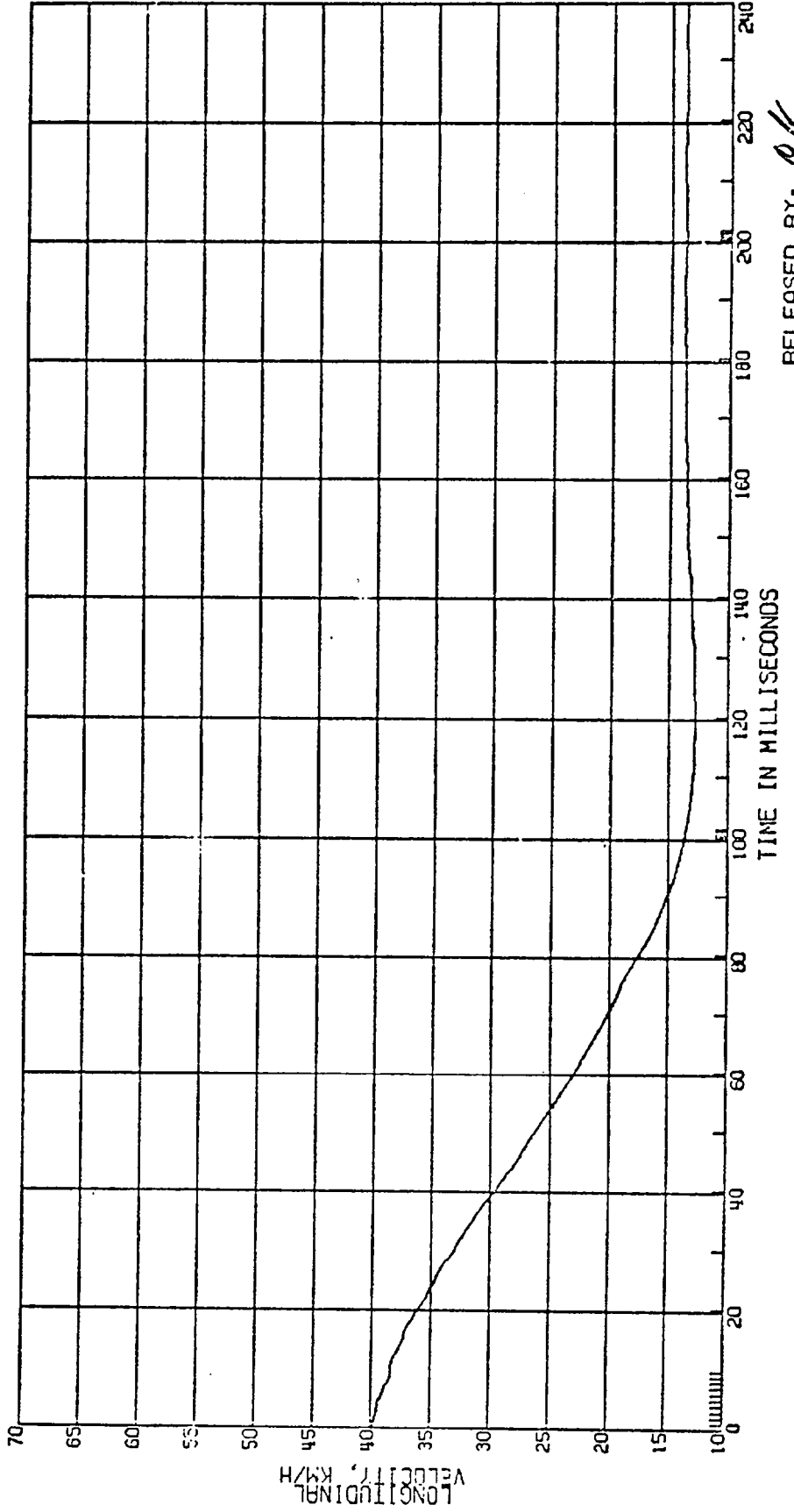
R-O DATA SEE CLASS 100

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 8 /

COMPUTED FRONT OF BARRIER VELOCITY

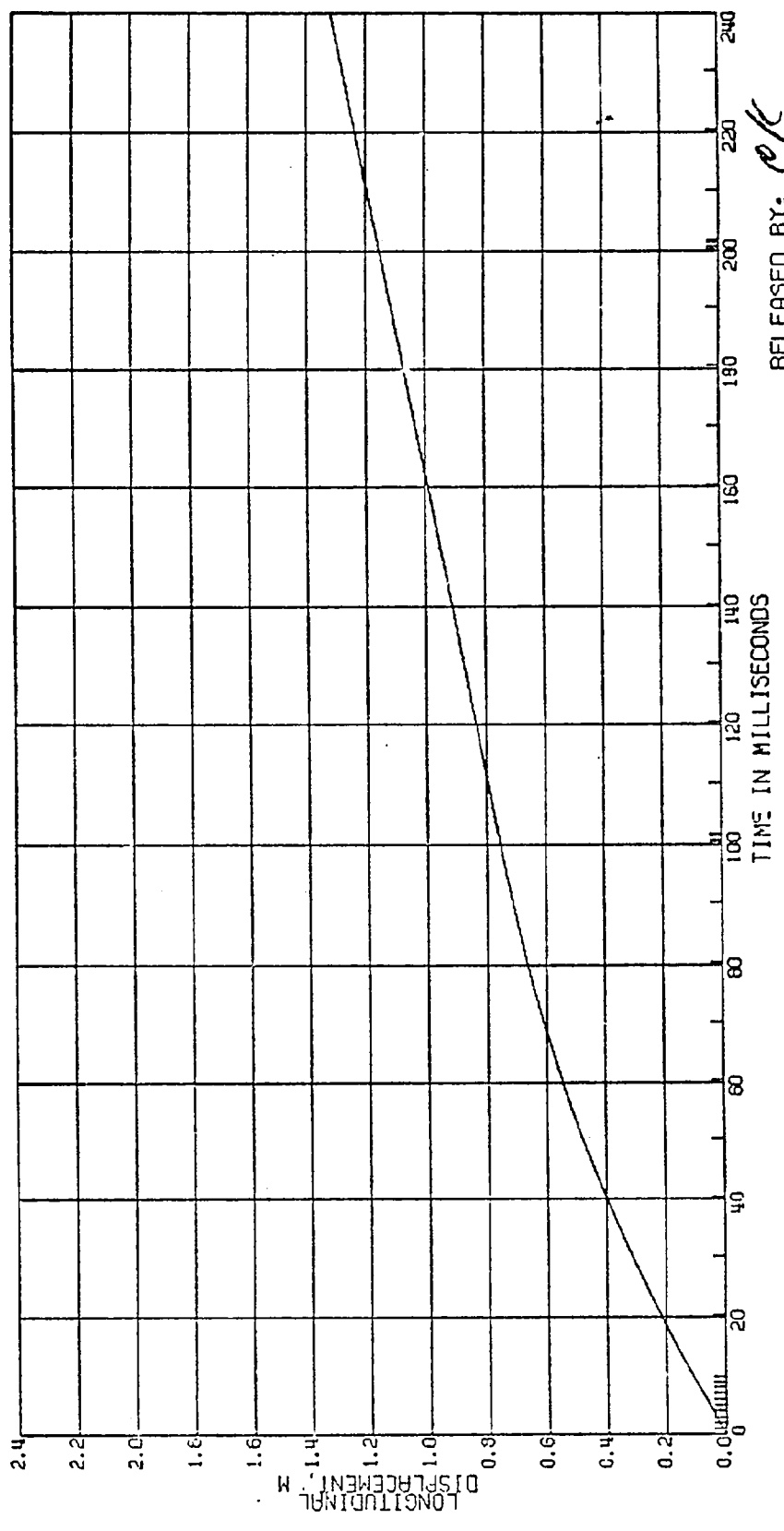
TEST DATE: 06-11-85

(1ST INTEGRAL AVERAGED ACCELERATION)



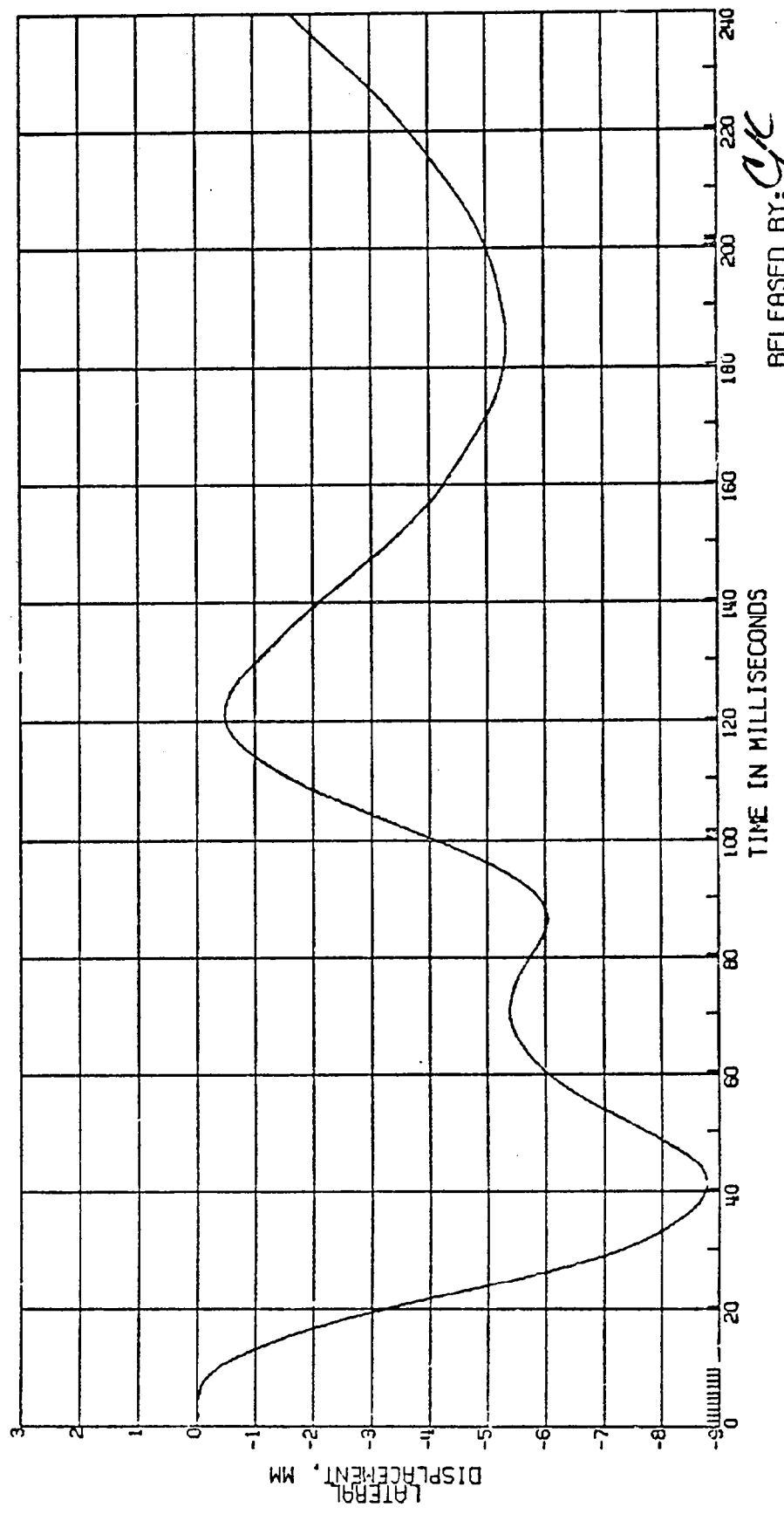
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8 APR 2017 10:57:17 AM

C62528 RIGHT SIDE IMPACT      MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 8  
 3835-179      COMPUTED FRONT OF BARRIER DISPLACEMENT      TEST DATE: 06-11-85  
 310. NHTSA BARR. (STRIKING VEH)      (2ND INTEGRAL DR-SIDE ACCELERATION)  
 A-D DATA SEE CLASS 130



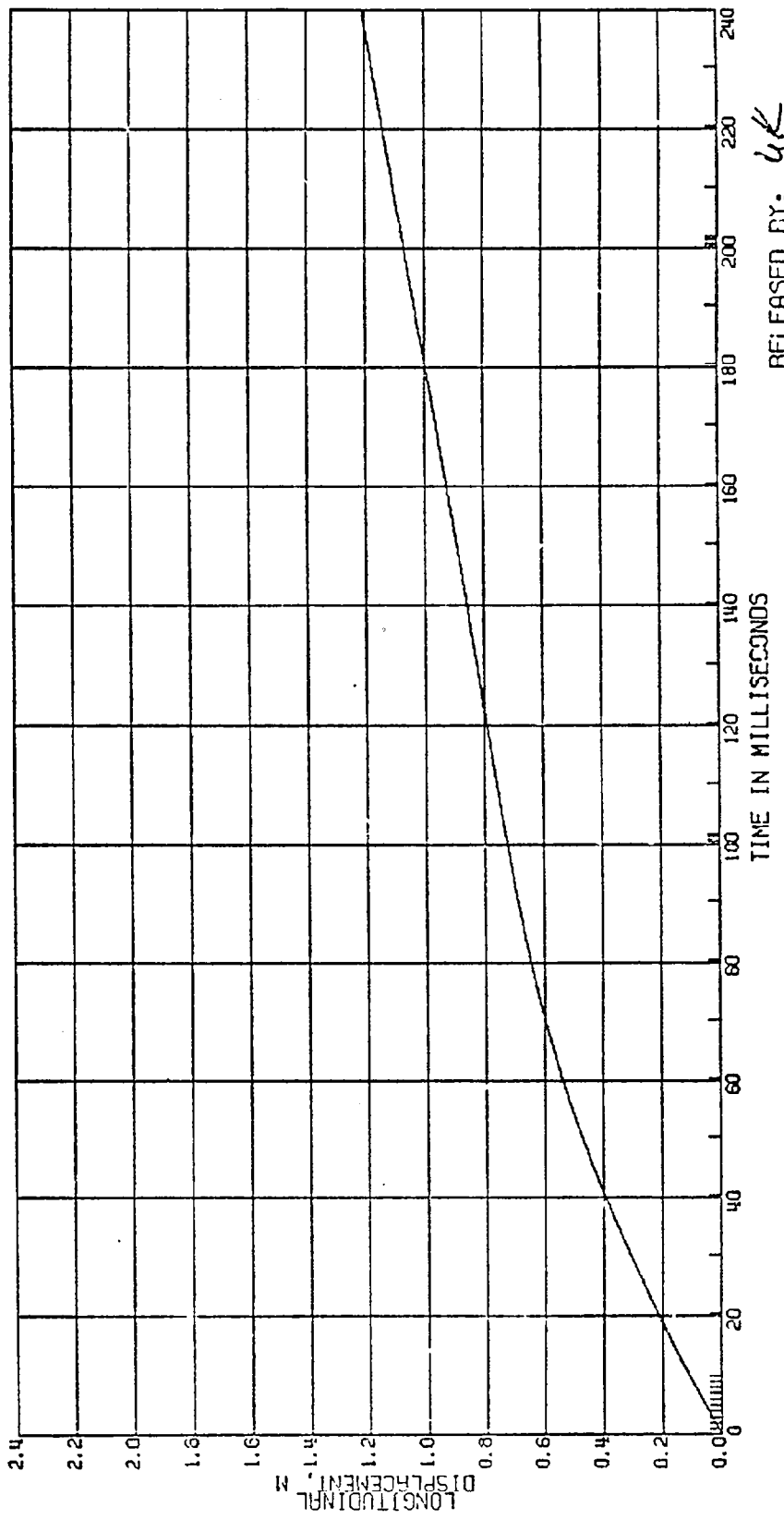
RELEASED BY: *ek*  
 3 PROCESSED 17 JUN 85 17:23

CG252B RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 83  
3005-179  
F.O. NHTSA BARR. (STRIKING VEH)  
H-U DATA SHE CLASS 100  
COMPUTED FRONT OF BARRIER DISPLACEMENT  
TEST DATE: 06-11-85  
(2ND INTEGRAL DR-SIDE ACCELERATION)



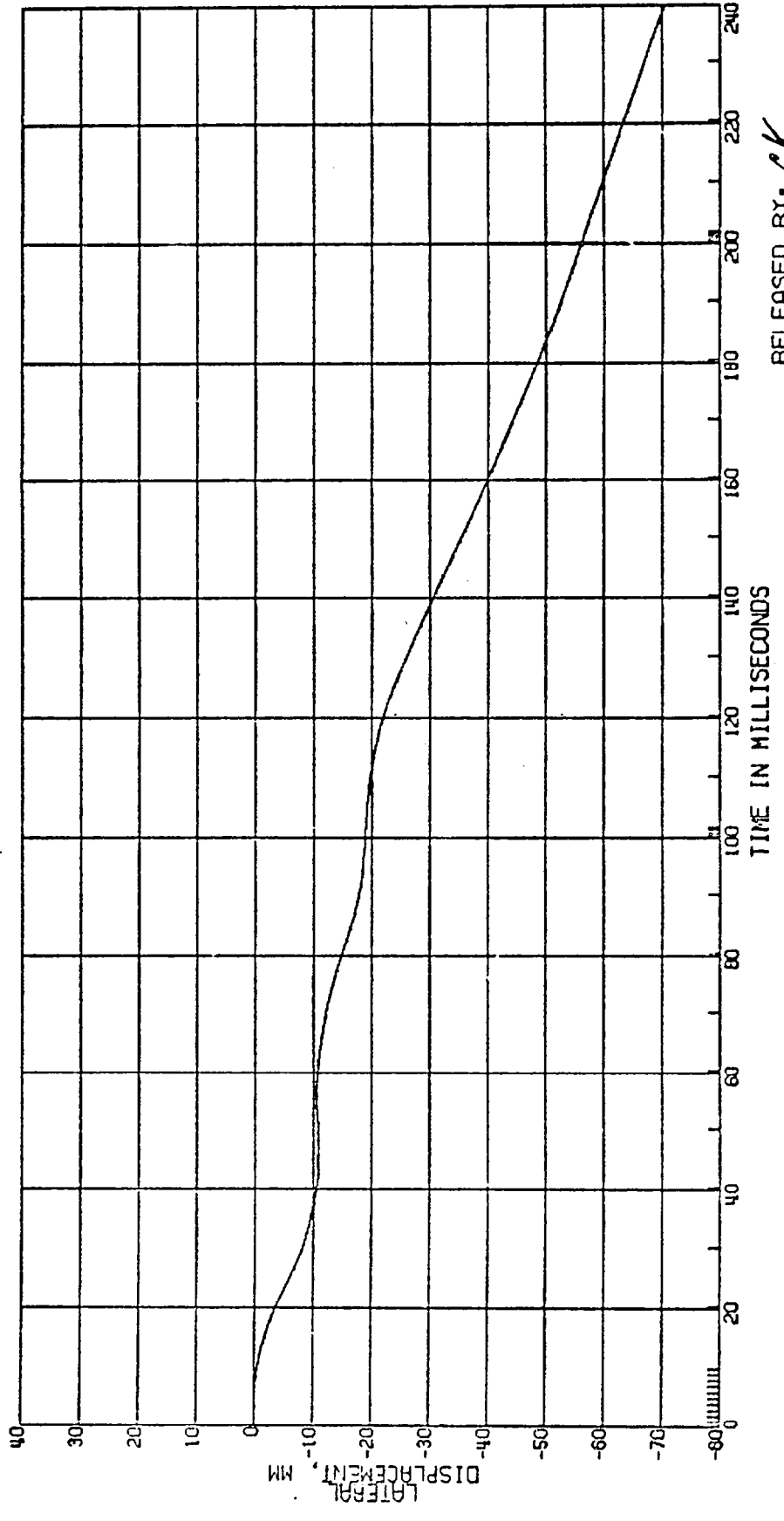
RELEASED BY: *CRK*  
12 PROCESSED 17 JUN 85 17:26

C6252B RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 8 Y  
 8865-179  
 P.O. NHTSA BARR. STRIKING VEHI  
 REC DATA SEE CLIPS 130  
 COMPUTED FRONT OF BARRIER DISPLACEMENT TEST DATE: 06-11-85  
 (2ND INTEGRAL PASS-SIDE ACCELERATION)



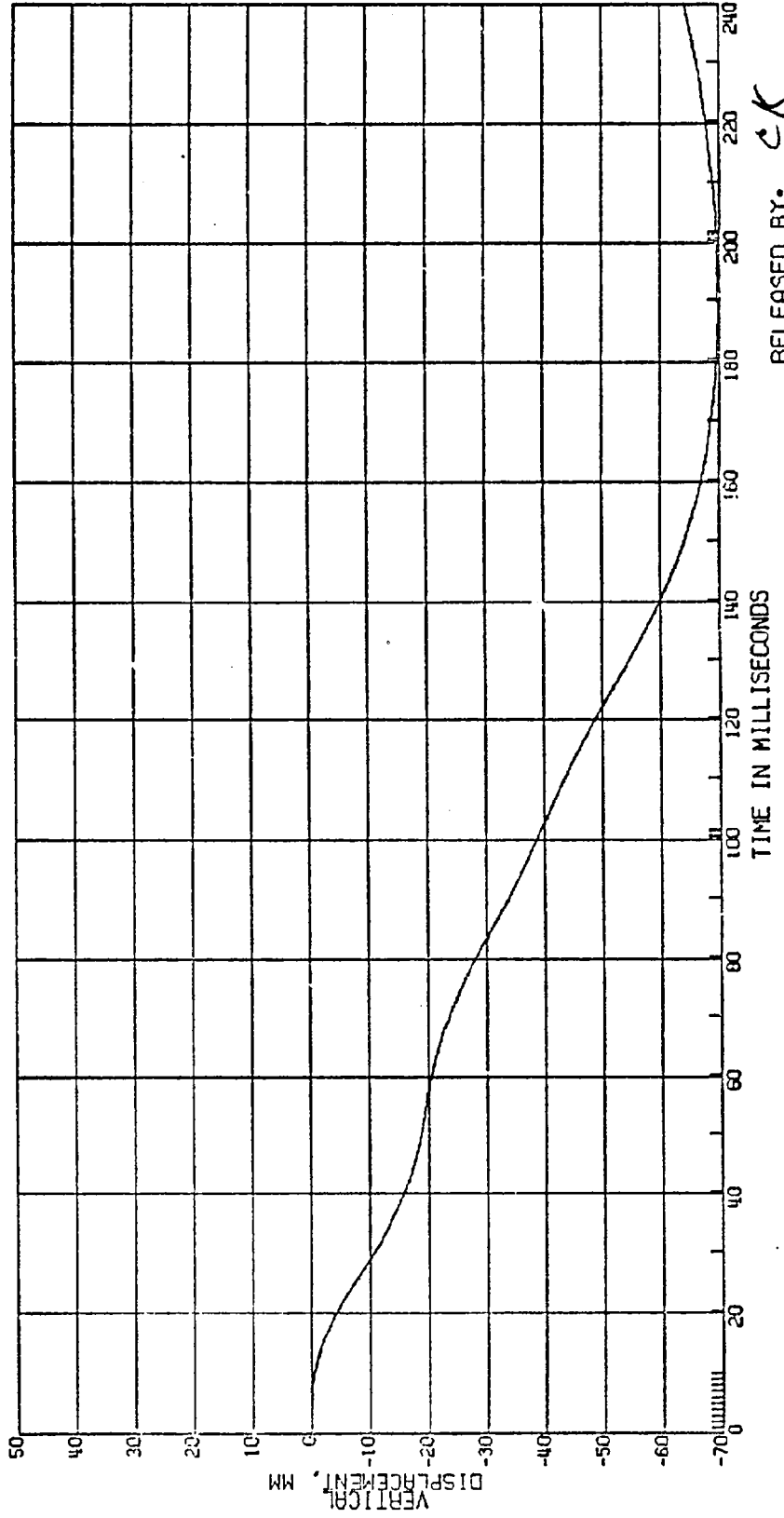
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 6 PROCESSED 17 JUN 85 17:23

C62528 RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 85  
 8865-179  
 F.O. NHTSA BARR. (STRIKING VEH)  
 A-D DATA SAE CLASS 160  
 TEST DATE: 06-11-85  
 COMPUTED FRONT OF BARRIER DISPLACEMENT  
 (2ND INTEGRAL PASS-SIDE ACCELERATION)



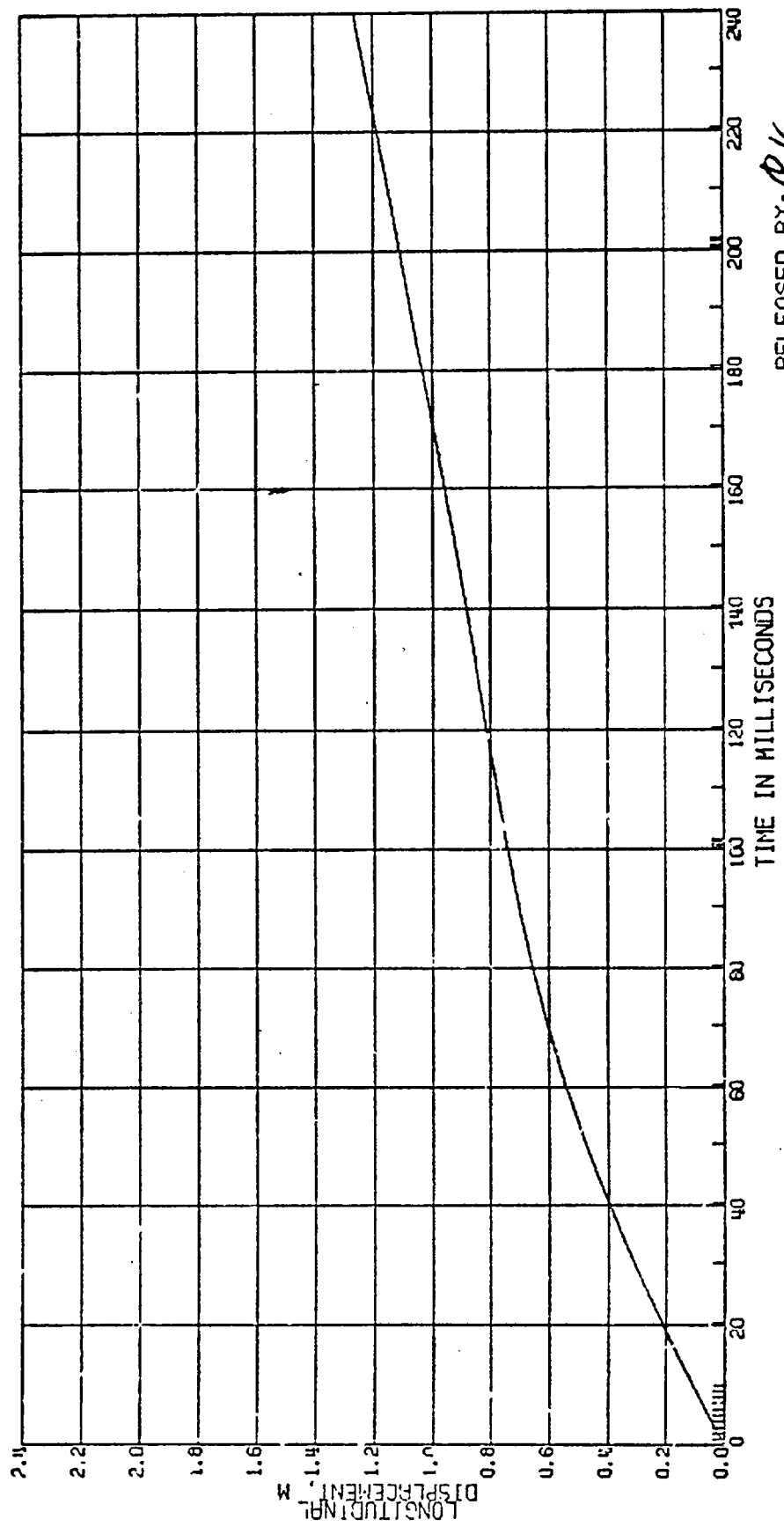
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 15 PROCESSED 17 JUN 85 17:27

C62529 RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 86  
3085-179  
F.B. NHTSA BARR. STRIKING VEHI TEST DATE: 06-11-85  
A-D DATA SEE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION)



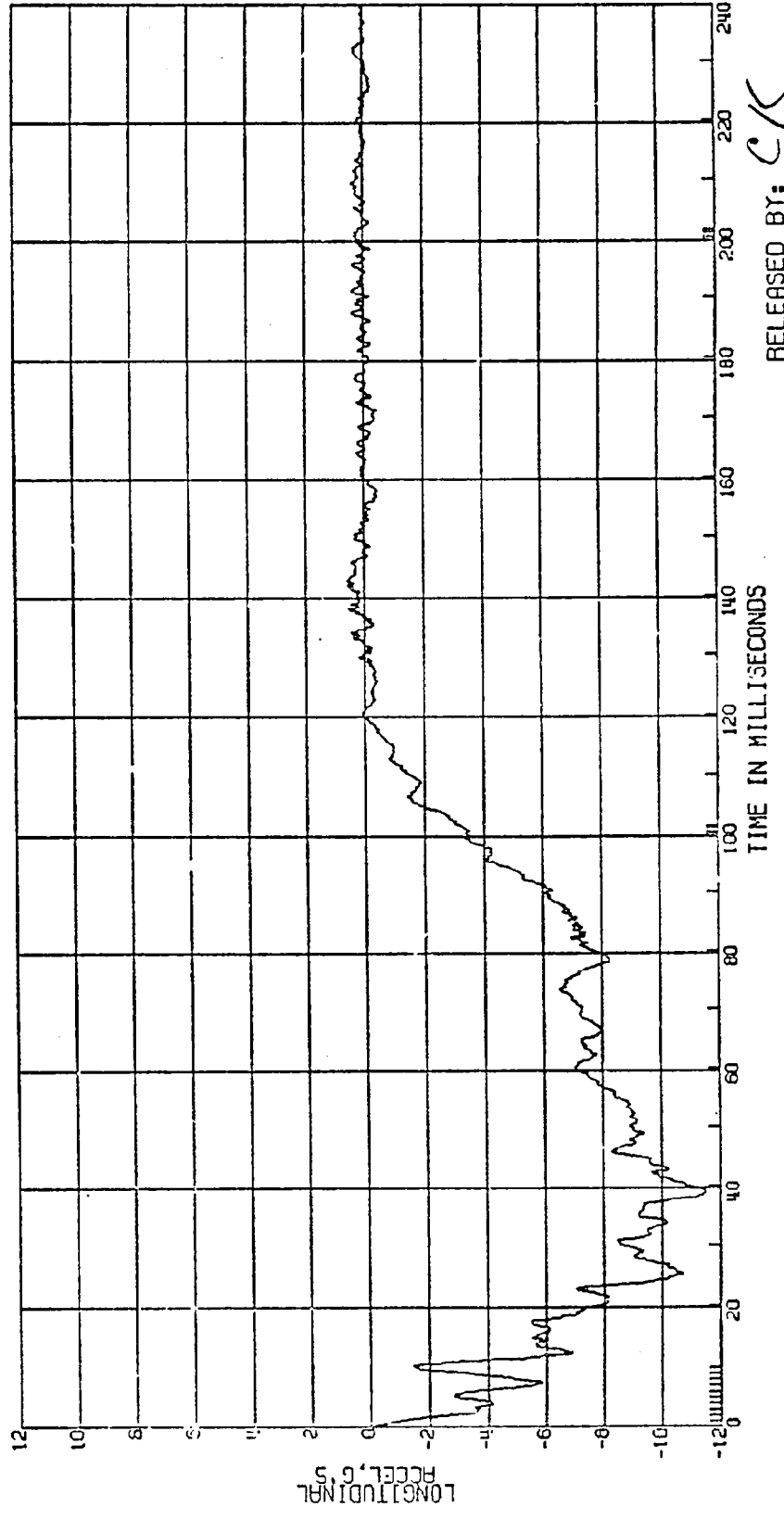
RELEASED BY: CK  
24 PROCESSED 17 JUN 85 17:30

CG252B RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 87  
 3005-179  
 F. O. W. NHTSA 5850. (STRIKING VEH)  
 R-D DATA SAE CLASS 180  
 TEST DATE: 06-11-85  
 COMPUTED FRONT OF BARRIER DISPLACEMENT  
 (2ND INTEGRAL AVERAGED ACCELERATION)



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 9 PROCESSED 17 JAN 85 17:25

C62528 RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 88  
3965-179 DR-SIDE MIDDLE OF BARRIER ACCEL. TEST DATE: 06-11-85  
P.O. NHTSA LAB. STRIKING VEH.  
A-D DATA SEE CLASS 60



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20 PROCESSED 17 JUN 85 17:31

062528 RIGHT SIDE IMPACT

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 89

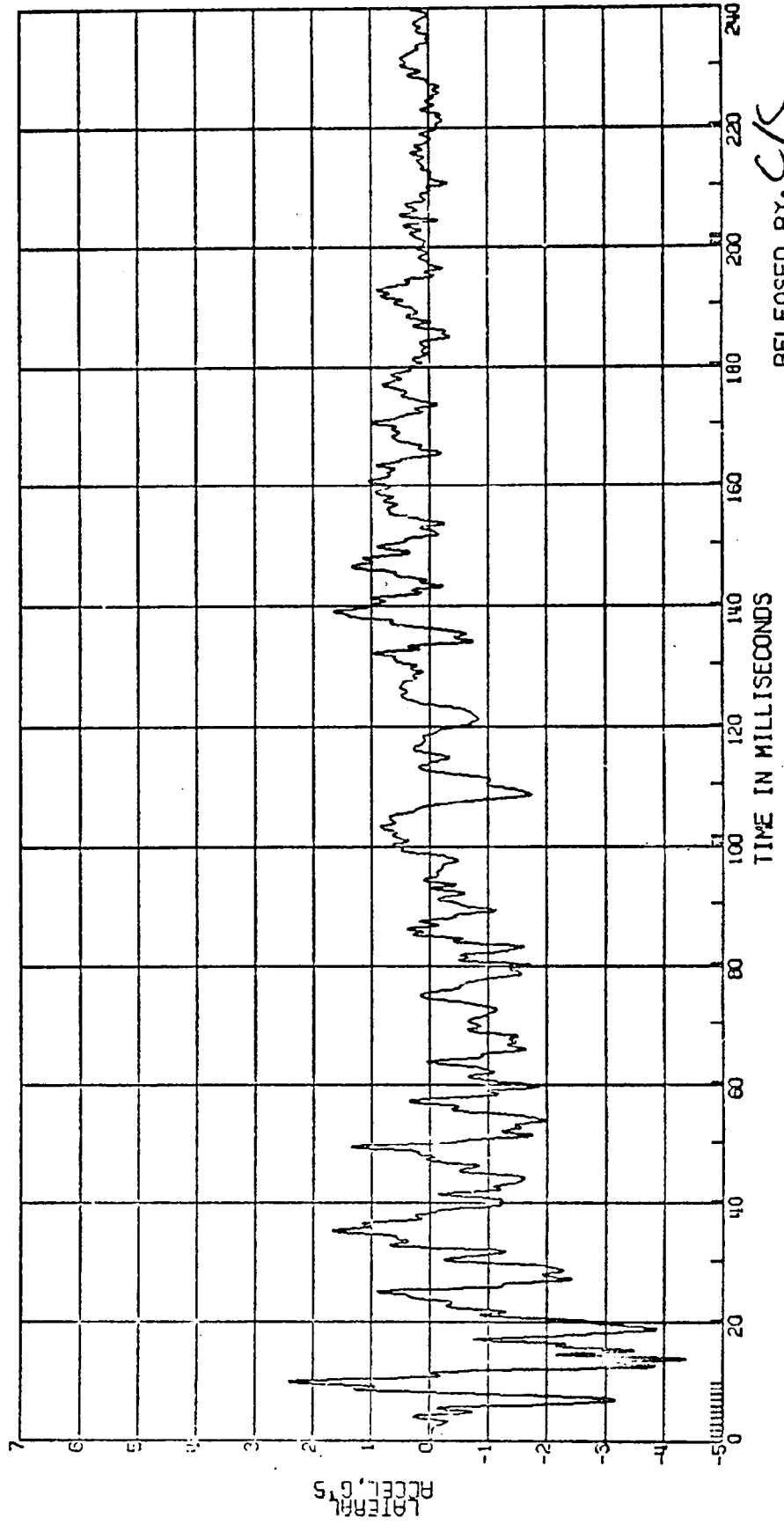
0005-179

FILE: NHTSA BARR. (STRIKING VEH)

R-T DATA ONE CLASS 00

DR-SIDE MIDDLE OF BARRIER ACCEL.

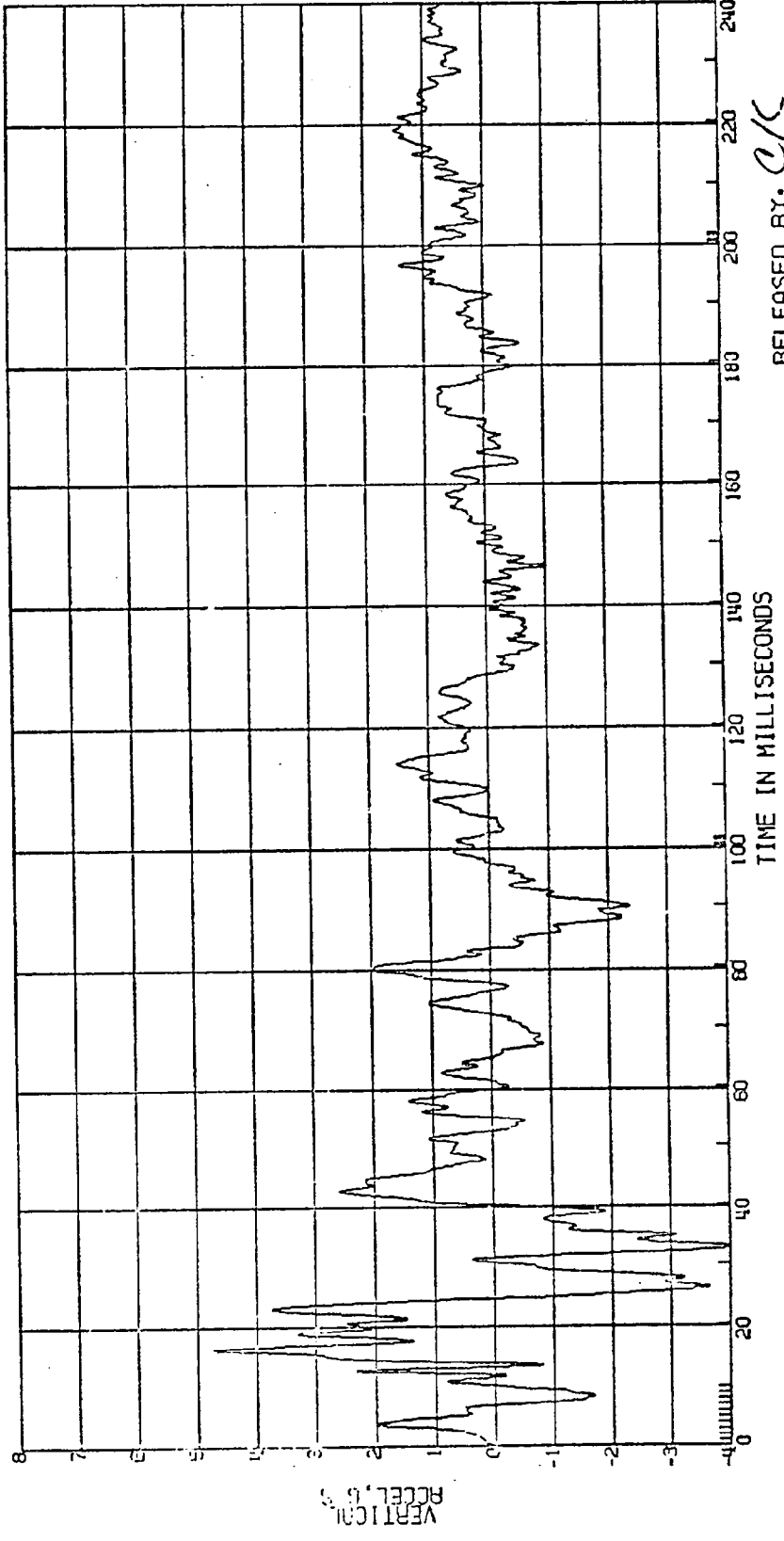
TEST DATE: 06-11-85



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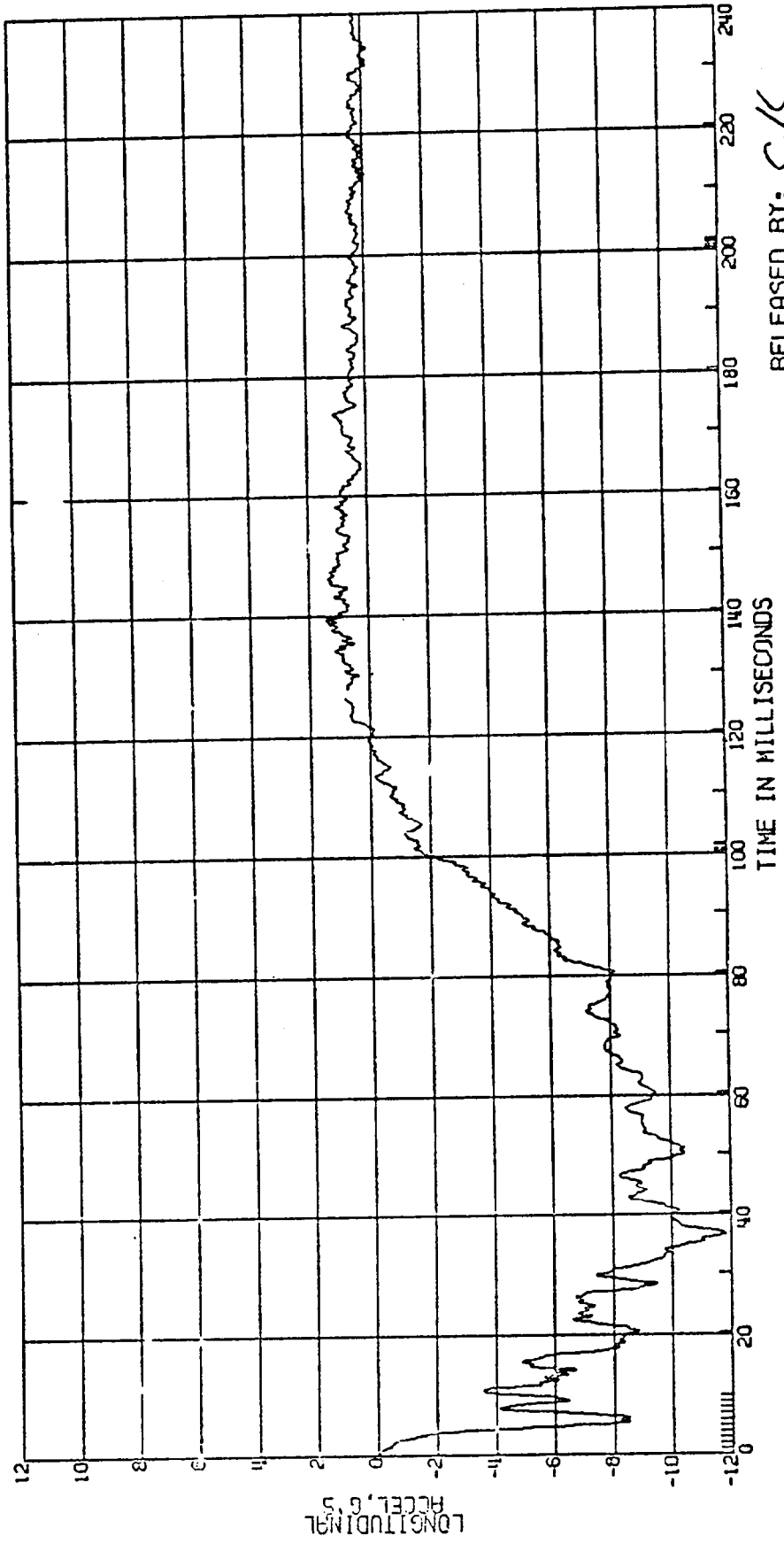
37 PROCESSED 17 JUN 85 17:33

CS2525 RIGHT SIDE IMPACT  
MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 90  
1985-1988  
DR-SIDE MIDDLE OF BARRIER ACCEL.  
TEST DATE: 06-11-85  
A-3 DATA USE CLASS 60



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46 PROCESSED 17 JUN 85 17:35

CG2528 RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 9/  
9905-170  
PASS-SIDE MIDDLE OF BARRIER ACCEL. TEST DATE: 06-11-85  
R-3 DATA ARE CLASS CC

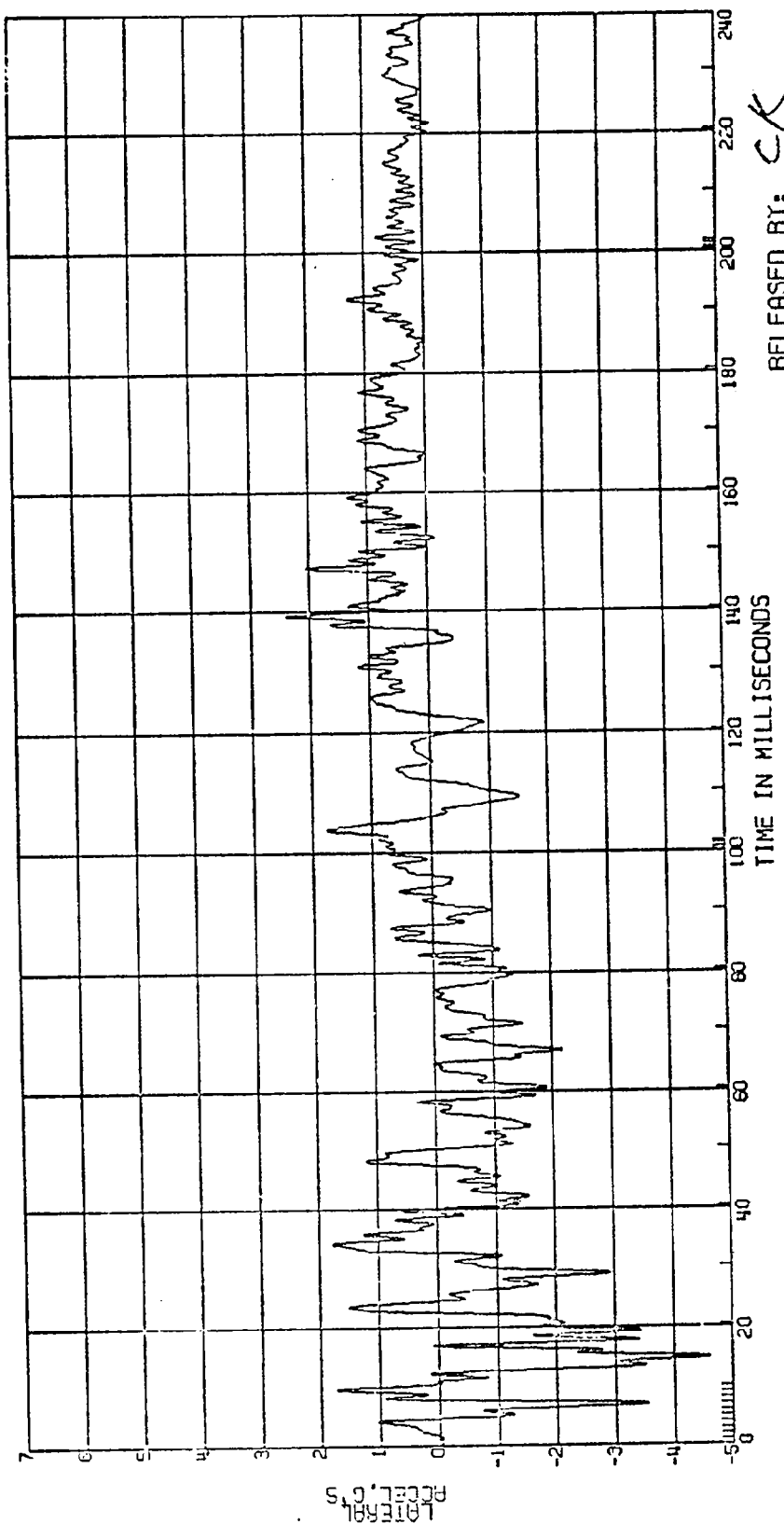


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31 PROCESSED 17 JUN 85 17:32

MOVING WATER BARRELS TO FORMED VEHICLE COLLISION/A FIGURE 92

TEST DATE: 06-11-85

SP-1  
PASS-SIDE MIDDLE OF BARRIER ACCEL.  
A-U DATA 942 0433 85



RELEASED BY: CK  
40 PROCESSED 17 JUN 85 17134

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 93

TEST DATE: 06-11-85

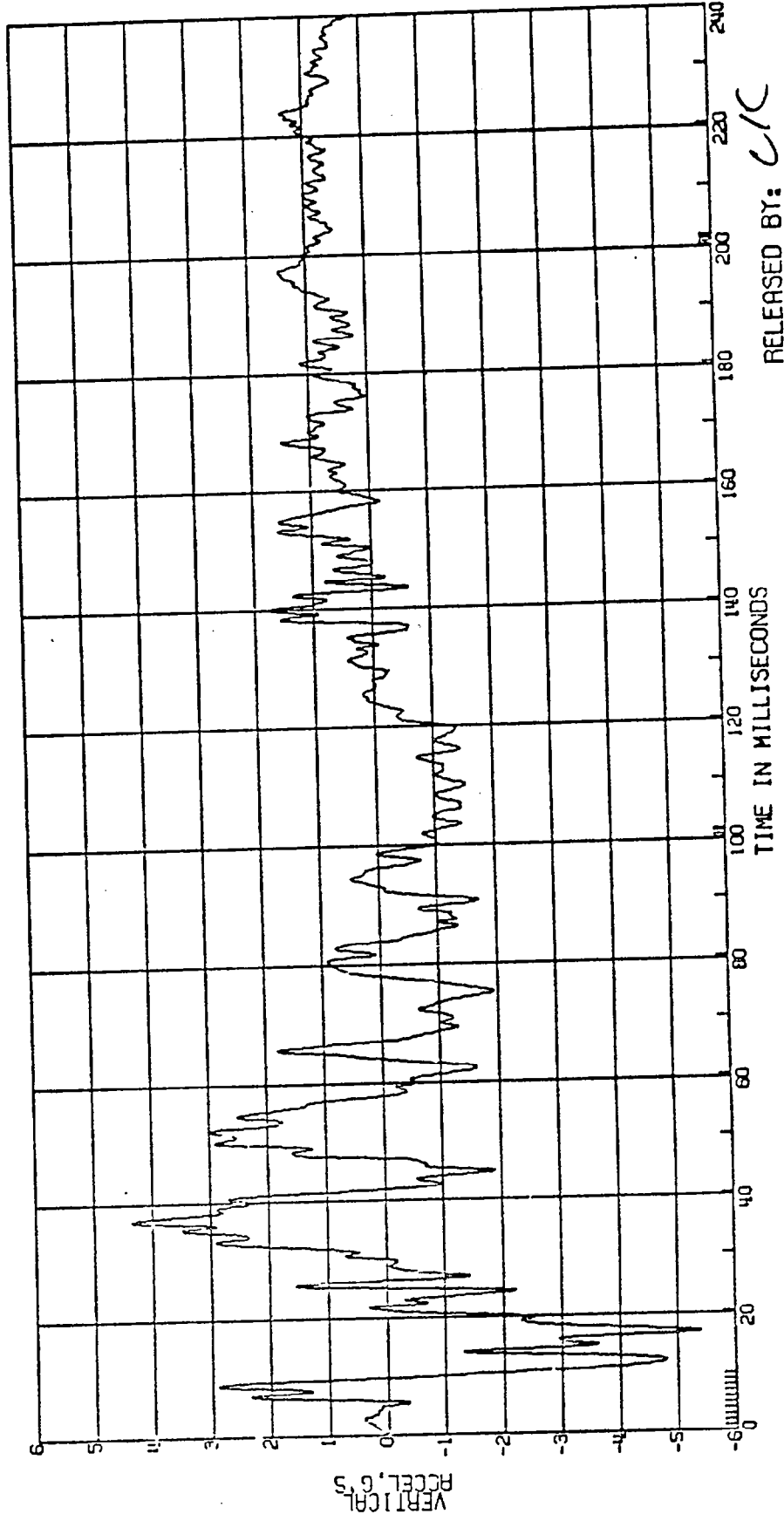
CC0252B RIGHT SIDE IMPACT

06-11-85

PASS-SIDE MIDDLE OF BARRIER STRIKING VEH

A-D DATA SAE CLASS CC

PASS-SIDE MIDDLE OF BARRIER ACCEL.



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49 PROCESSED 17 JUN 85 17:36

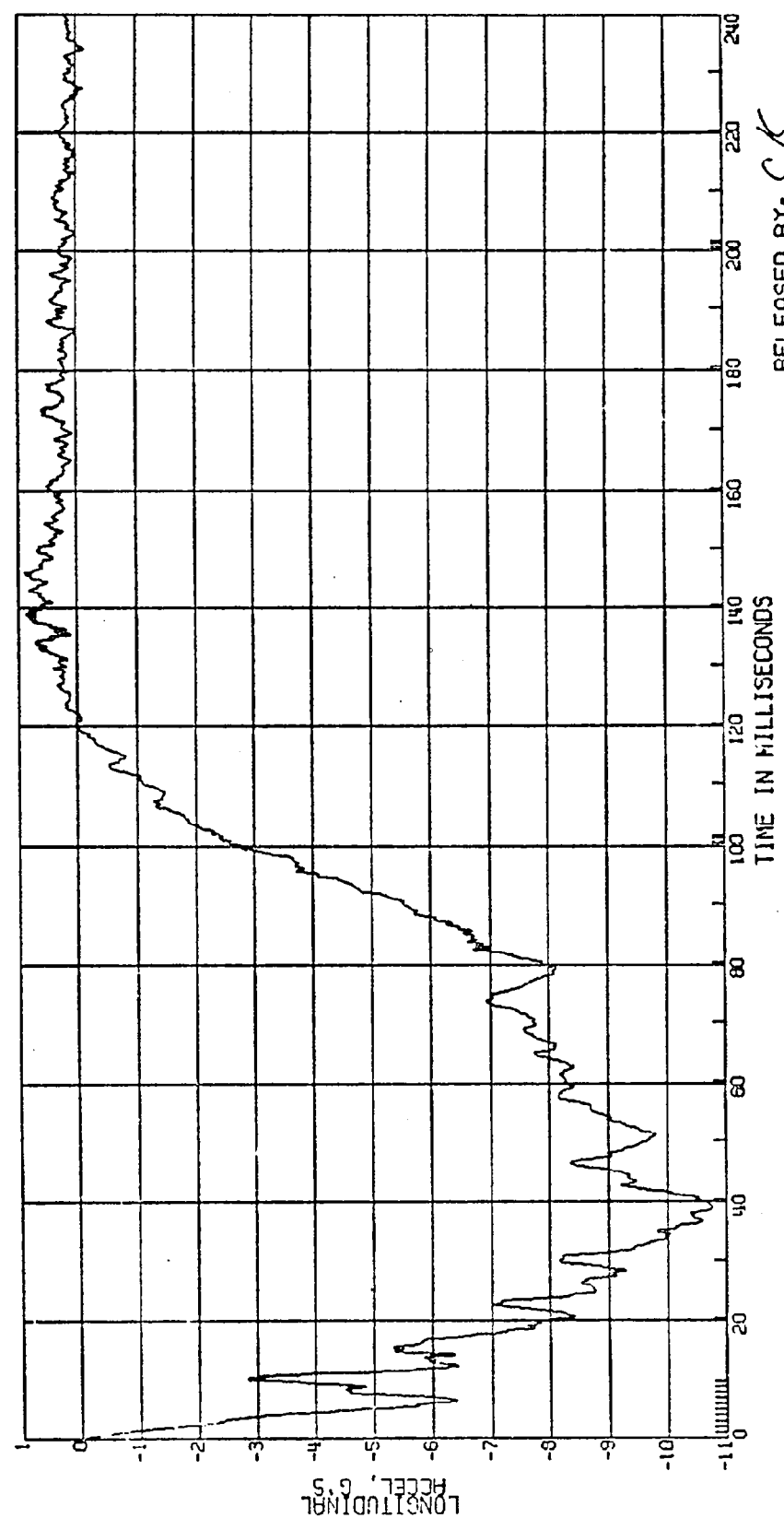
MOVING NHTSA BARR. TO PARKED VEHICLE 39.8 KM/H FIGURE 94

AVERAGED DRIVER & PASSENGER SIDE

MIDDLE OF BARRIER ACCELERATION

TEST DATE: 06-11-85

C62528 RIGHT SIDE IMPACT  
3835-179  
F.B. NHTSA BARR. STRIKING VEH  
R-3 DATA ARE CLASS GC



RELEASED BY: CK  
34 PROCESSED 17 JUN 85 17:33

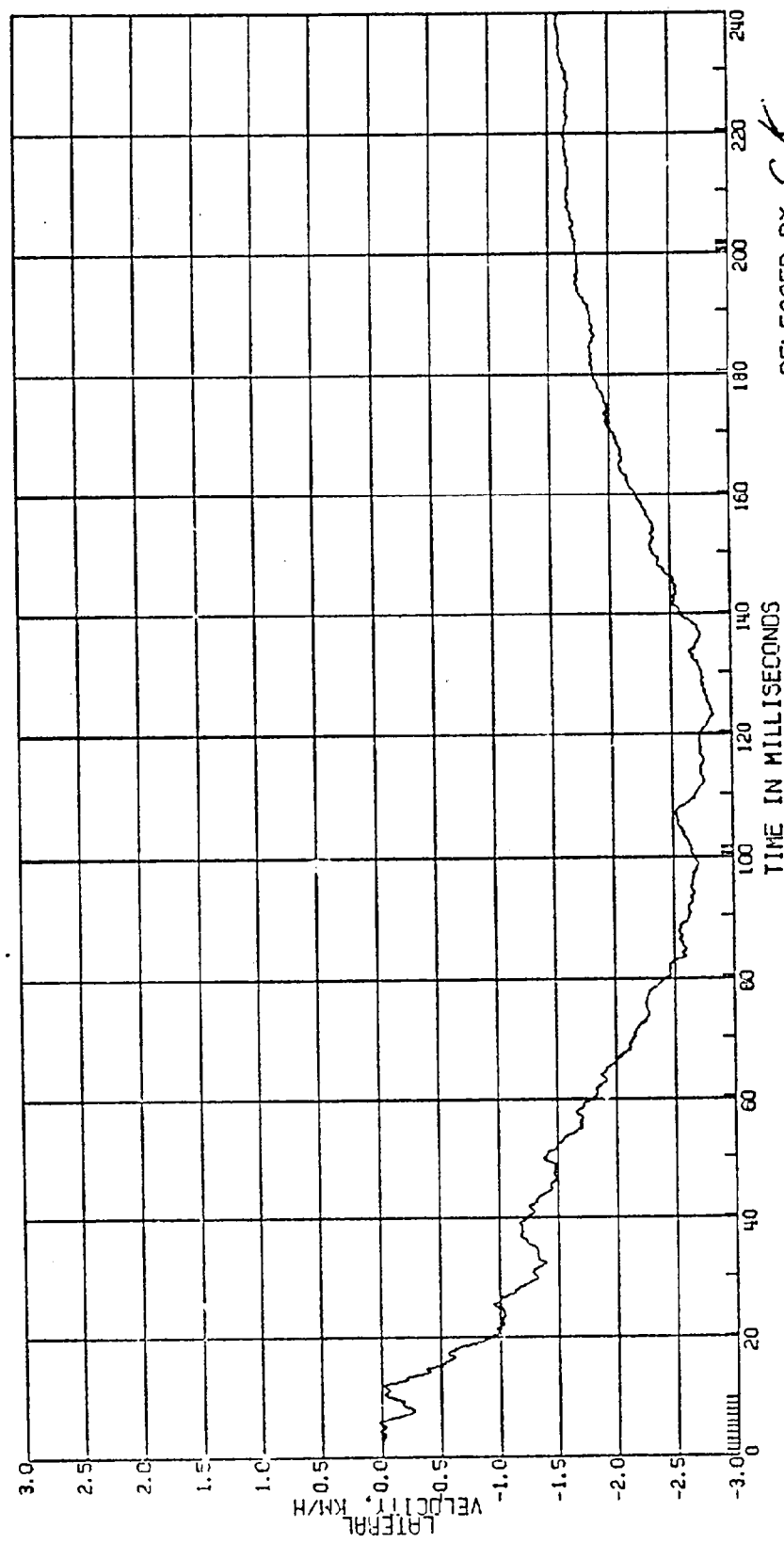


MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 96

CG2528 RIGHT SIDE IMPACT  
9005-179  
RIG. NHTSA BARR. STRIKING VEH  
R-0 DATA CASE CLASS 100

TEST DATE: 06-11-85

COMPUTED MIDDLE OF BARRIER VELOCITY  
(1ST INTEGRAL DR-SIDE ACCELERATION)



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38 PROCESSED 17 JUN 85 17:33

C6252B RIGHT SIDE IMPACT

3985-179

TEST VEHICLE (STRIKING VEH)

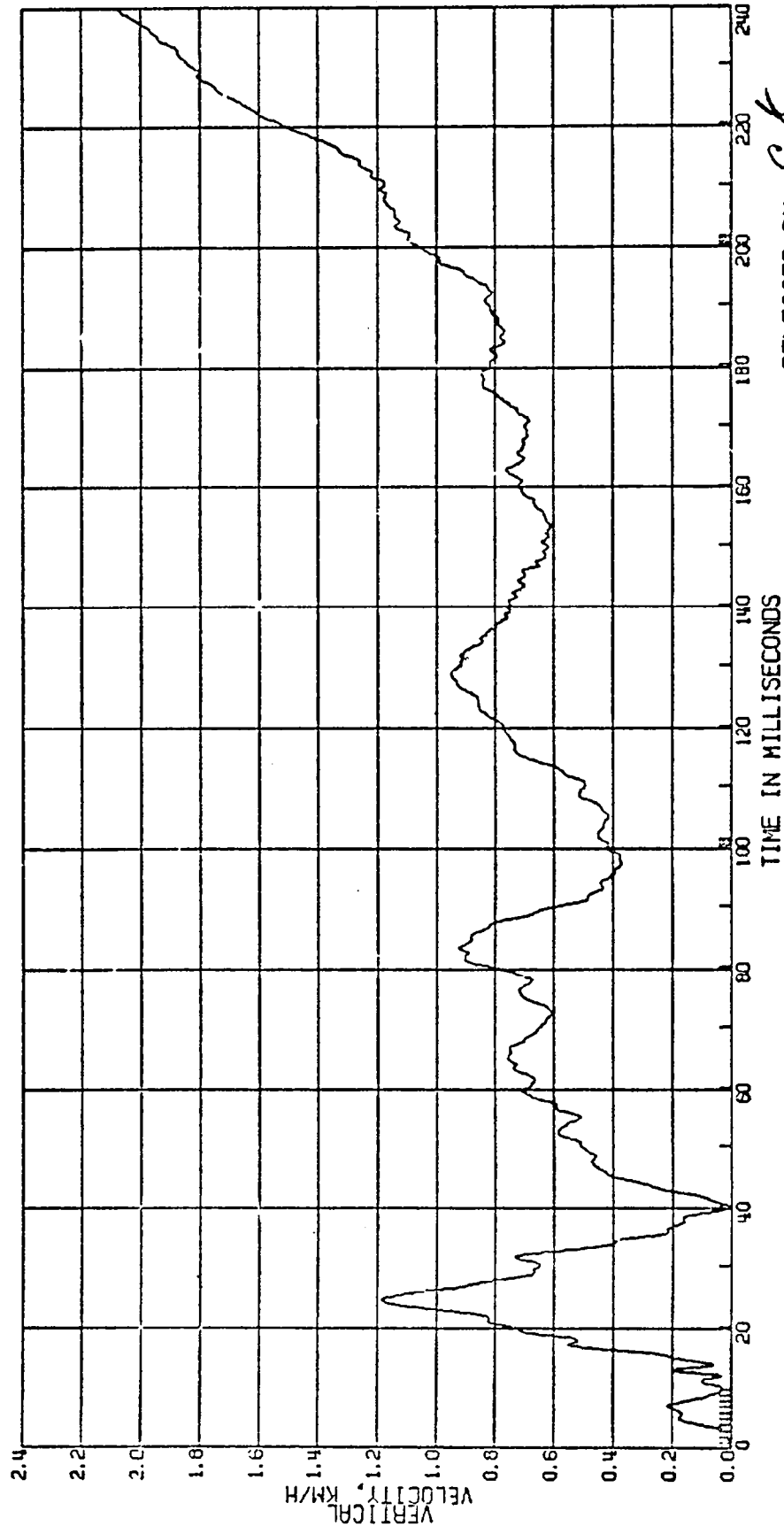
TEST DATA SEE CLASS 130

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 97

COMPUTED MIDDLE OF BARRIER VELOCITY

(1ST INTEGRAL DR-SIDE ACCELERATION)

TEST DATE: 06-11-85

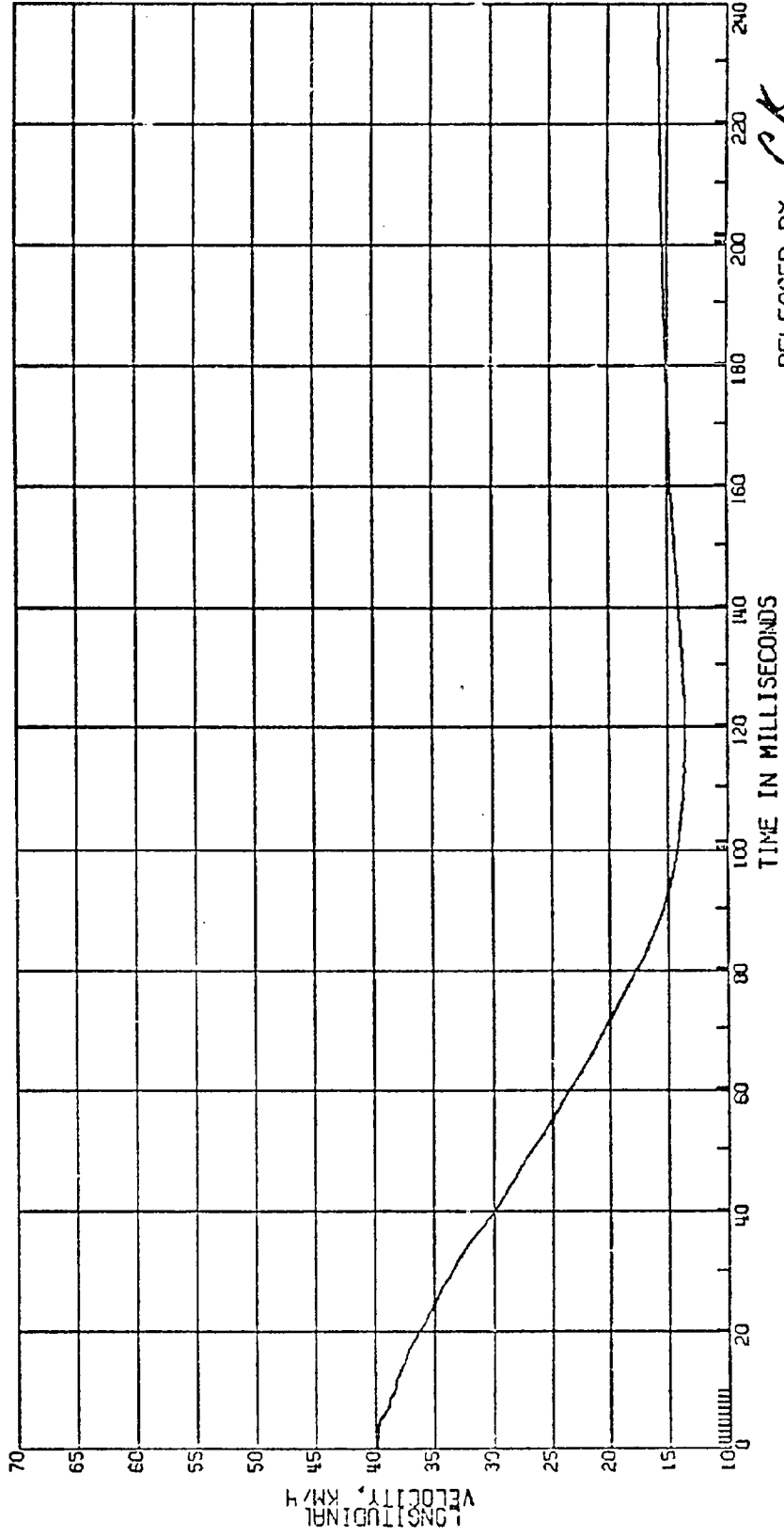


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C62528 RIGHT SIDE IMPACT  
3865-179  
F.R. NHTSA CAR. (STRIKING VEH)  
A-D DATA SAE CLASS 160

MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 98  
COMPUTED MIDDLE OF BARRIER VELOCITY  
(1ST INTEGRAL PASS-SIDE ACCELERATION)

TEST DATE: 06-11-85



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32 PROCESSED 17 JUN 85 17:32

UPPER HIGH SIDE IMPACT

MUOVING HIGH BARR. IN PARKED VEHICLE 39.8KM/H FIGURE 44

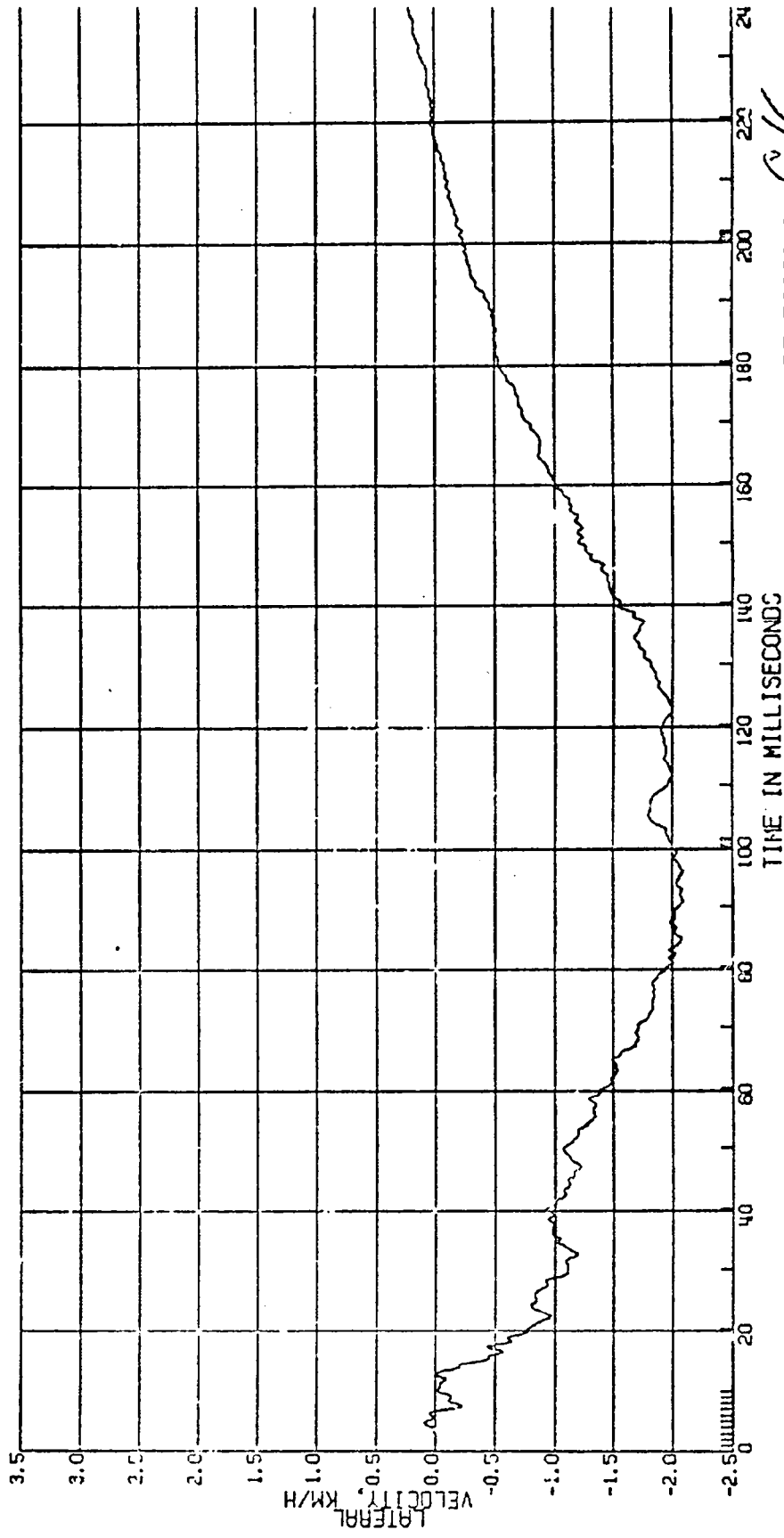
7-05-174

TEST DATE: 06-11-85

COMPUTED MIDDLE OF BARRIER VELOCITY

8-U DATA SAE CLASS 100

(1ST INTEGRAL PASS-SIDE ACCELERATION)



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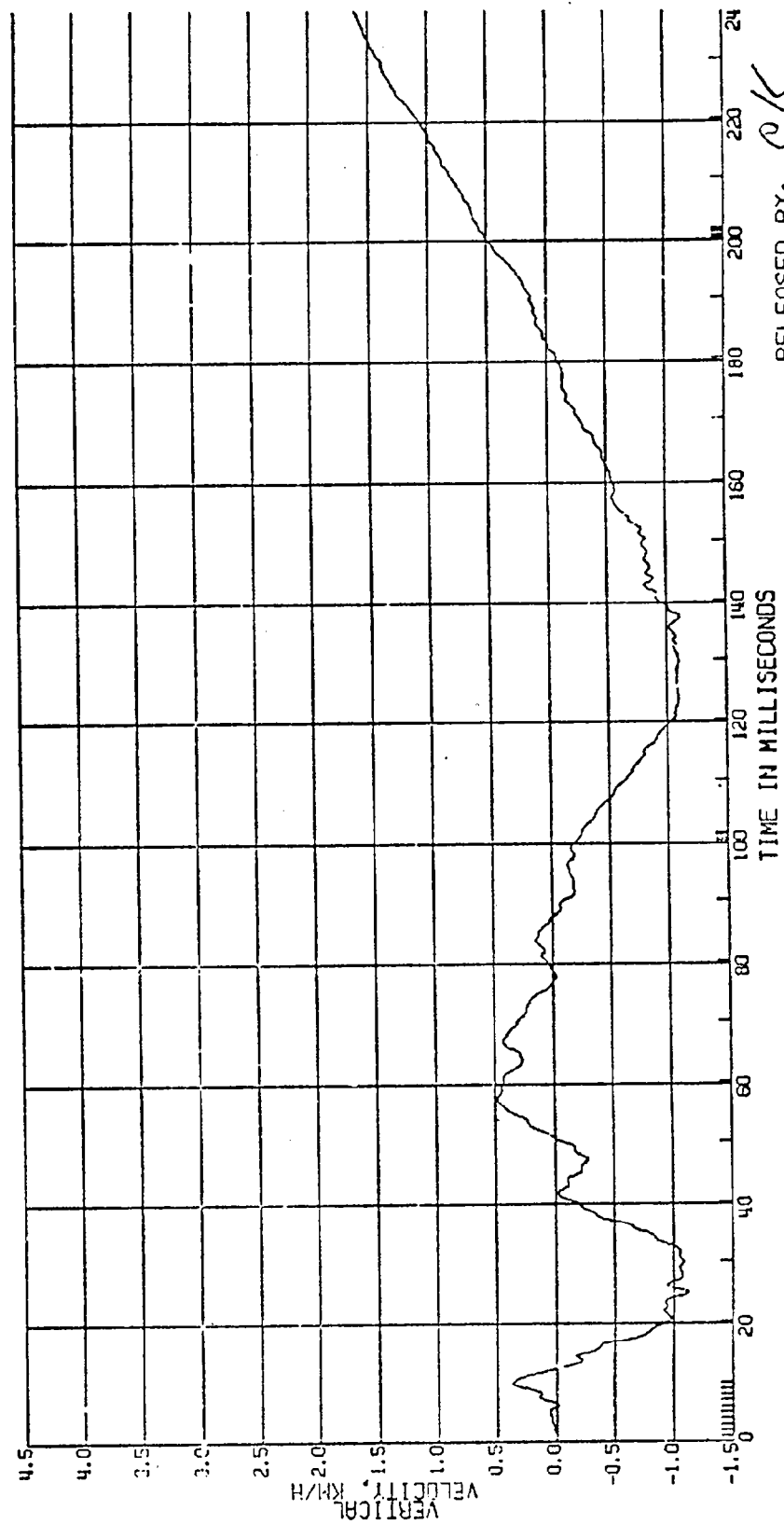
COMPUTED MIDDLE OF BARRIER VELOCITY

TEST DATE: 06-11-85

1985-1990

MITSUBISHI DATA SAE CLASS 100

TEST INTEGRAL PASS-SIDE ACCELERATION



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002320 01001 01001 01001

2015-179

TEST DATE: 06-11-88

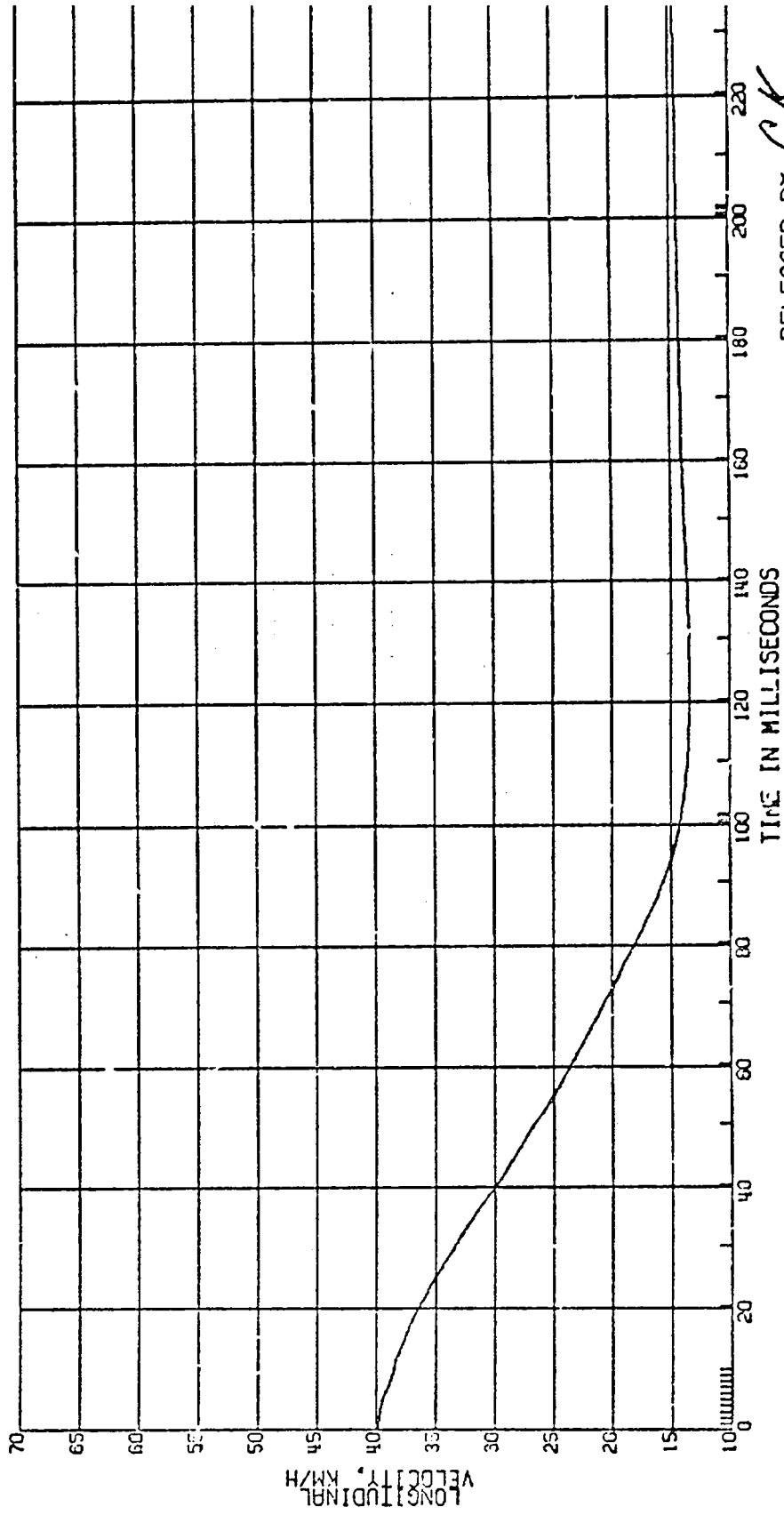
R-D DATA SIZE CLASS 100

COMPUTED MIDDLE OF BARRIER VELOCITY

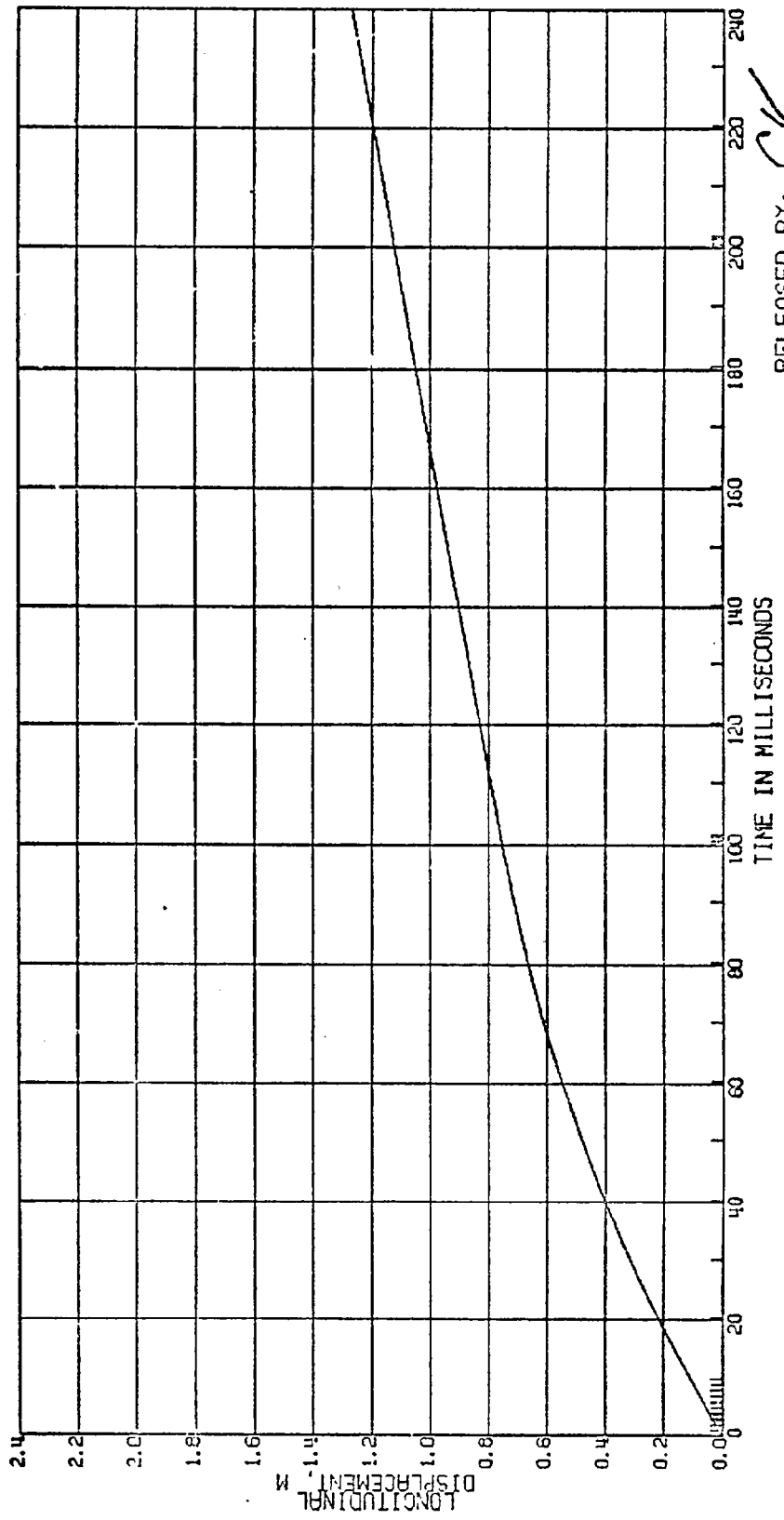
(1ST. INTEGRAL AVERAGED ACCELERATION)

RELEASED BY: CK

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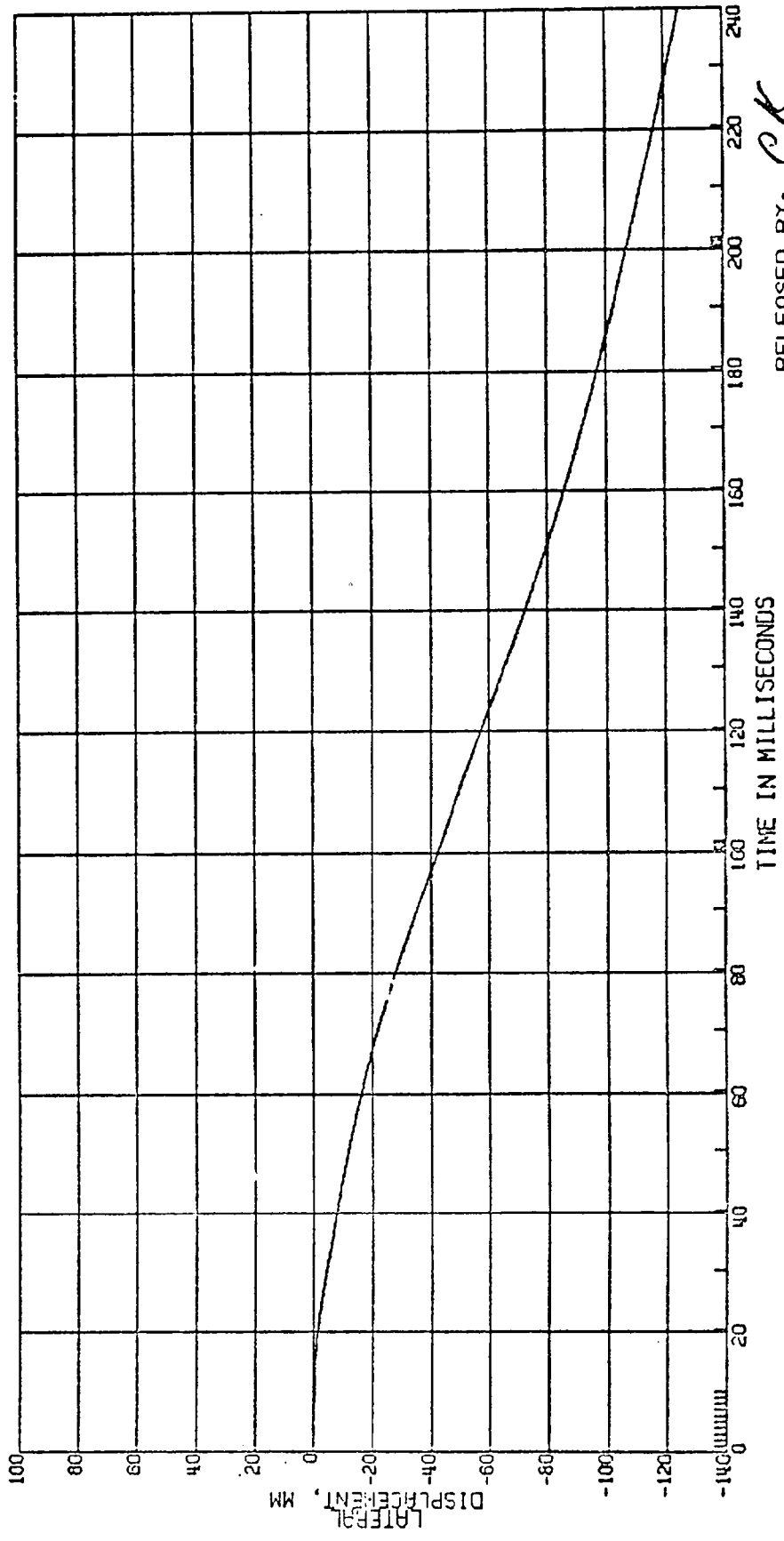


MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 102  
 COMPUTED MIDDLE OF BARRIER DISPLACEMENT  
 (2ND INTEGRAL DR-SIDE ACCELERATION)  
 TEST DATE: 06-11-85



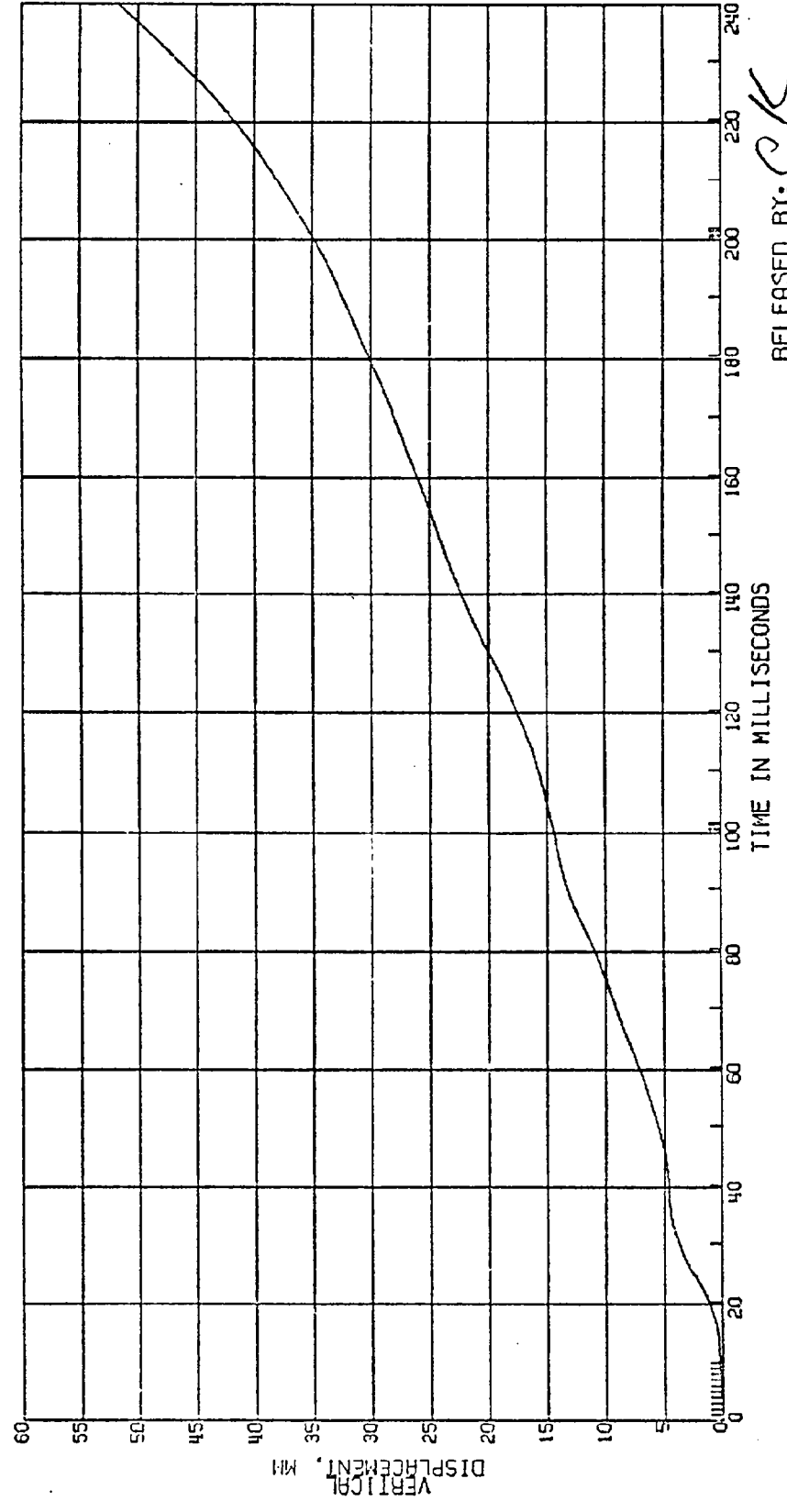
RELEASED BY: *CK*

CG2528 RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE /03  
 3035-179  
 F.O. NHTSA BARR. (STATIONING VEH) COMPUTED MIDDLE OF BARRIER DISPLACEMENT TEST DATE: 06-11-85  
 A-B DATA SAE CLASS 16C (2ND INTEGRAL DR-SIDE ACCELERATION)



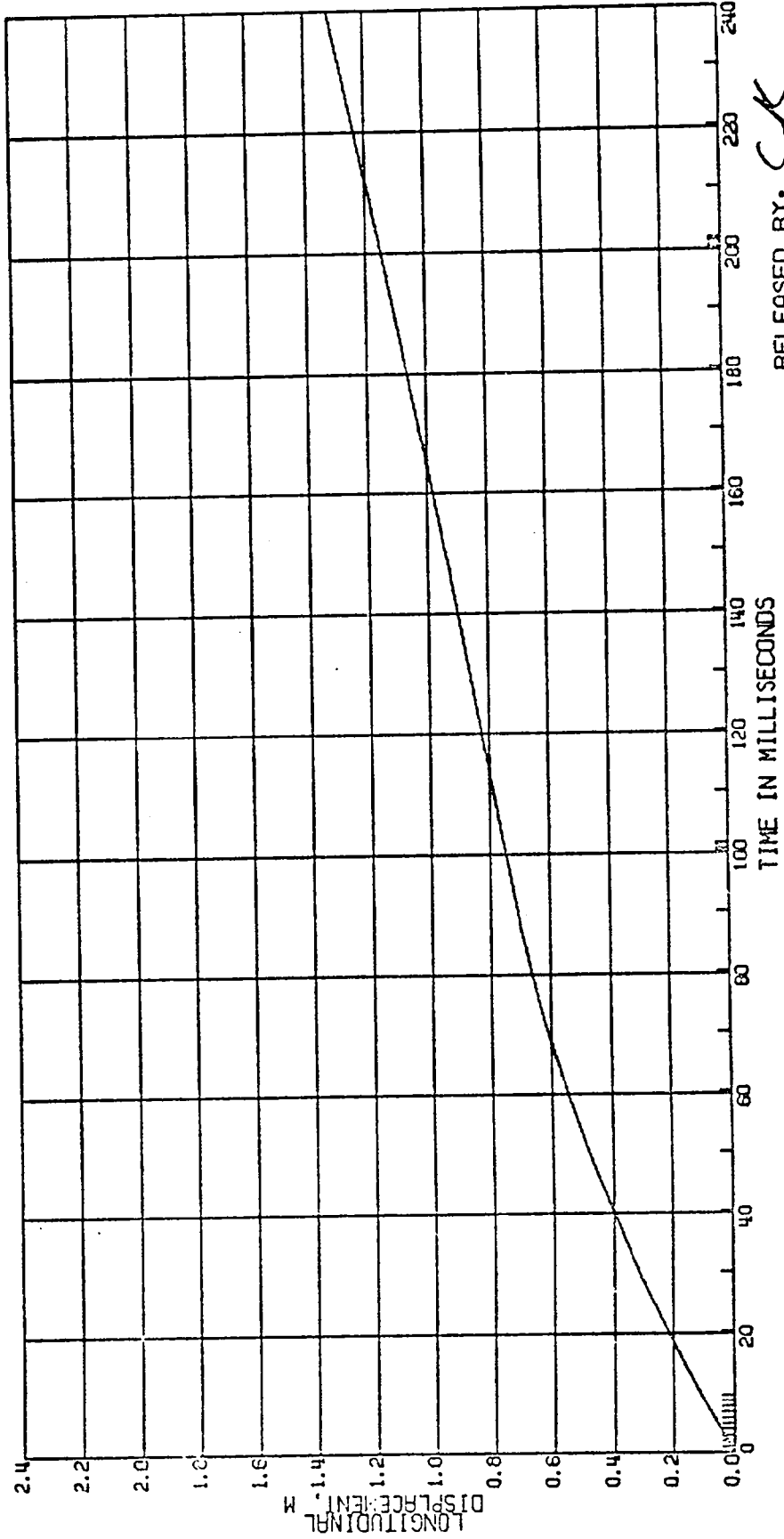
RELEASED BY: CK  
 30 JUL 1985 17:54

CG252B RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE/04  
 3865-179  
 F.T.D. NHTSA BARR. (STRIKING VEH)  
 A-D DATA SAE CLASS 100  
 COMPUTED MIDDLE OF BARRIER DISPLACEMENT  
 TEST DATE: 06-11-85  
 (2ND INTEGRAL DR-SIDE ACCELERATION)



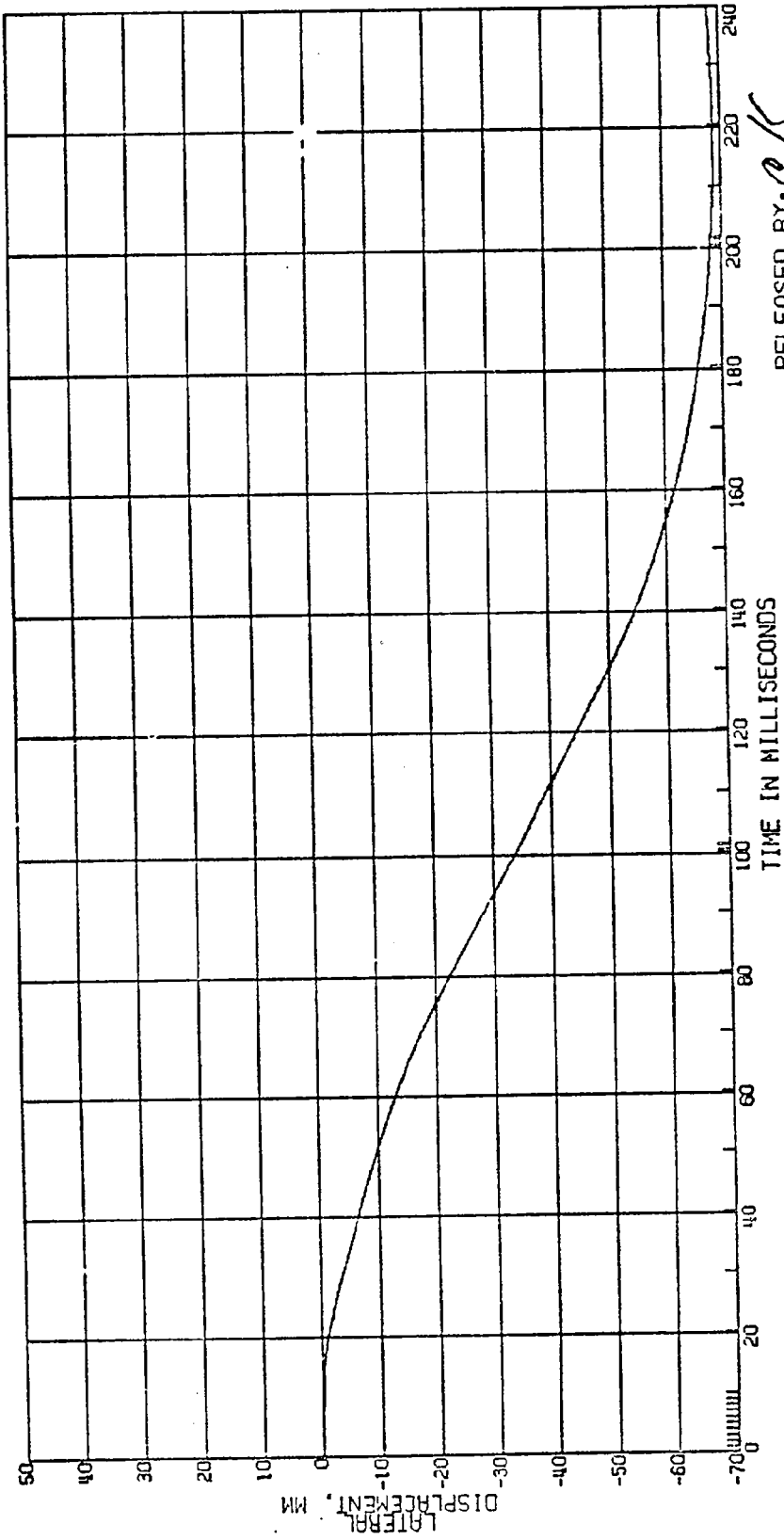
RELEASED BY: *CK*  
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CG252B RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE 105  
 0005-173  
 F.V. STRUCK BARR. (STRIKING VEH)  
 A-B DATA SEE CLASS 100  
 COMPUTED MIDDLE OF BARRIER DISPLACEMENT TEST DATE: 06-11-85  
 (2ND INTEGRAL PASS-SIDE ACCELERATION)



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 33 PROCESSED 17 JUN 85 17:32

C6252B RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE/06  
2835-179 F.O. NHTSA BARR. STRIKING VEH COMPUTED MIDDLE OF BARRIER DISPLACEMENT TEST DATE: 06-11-85  
A-U DATA SAE CLASS 180 (2ND INTEGRAL PASS-SIDE ACCELERATION)



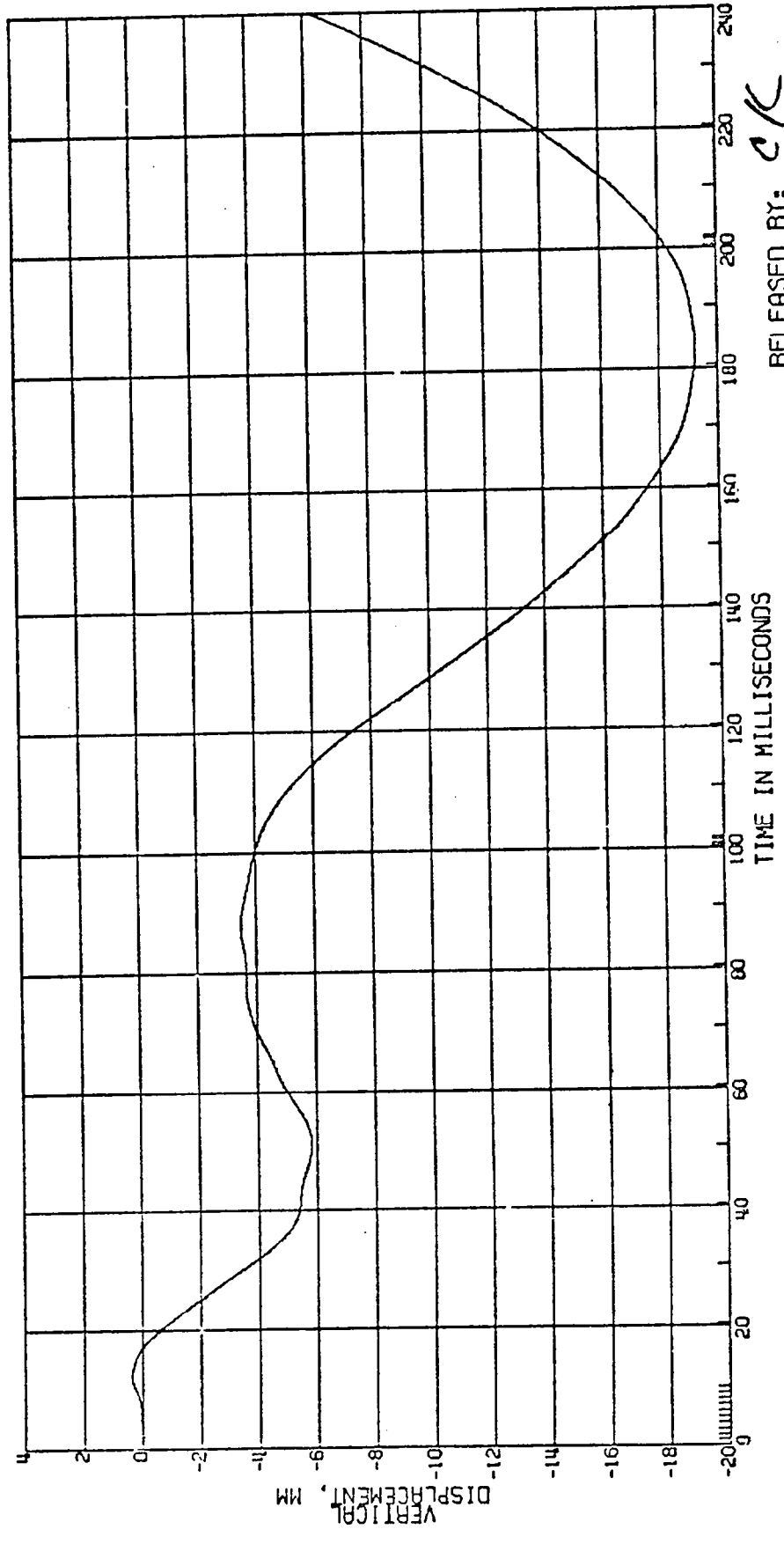
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42 PROCESSED 17 JUN 85 17:34

062528 RIGHT SIDE IMPACT MOVING NHTSA BARR. TO PARKED VEHICLE 39.8KM/H FIGURE/07

TEST DATE: 06-11-85

COMPUTED MIDDLE OF BARRIER DISPLACEMENT  
(2ND INTEGRAL PASS-SIDE ACCELERATION)

75-175  
753- BAR. TO PARKING VEH  
R-3 DATA USE CURVES 100



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51 PROCESSED 17 JAN 85 17:36

FIGURE 108

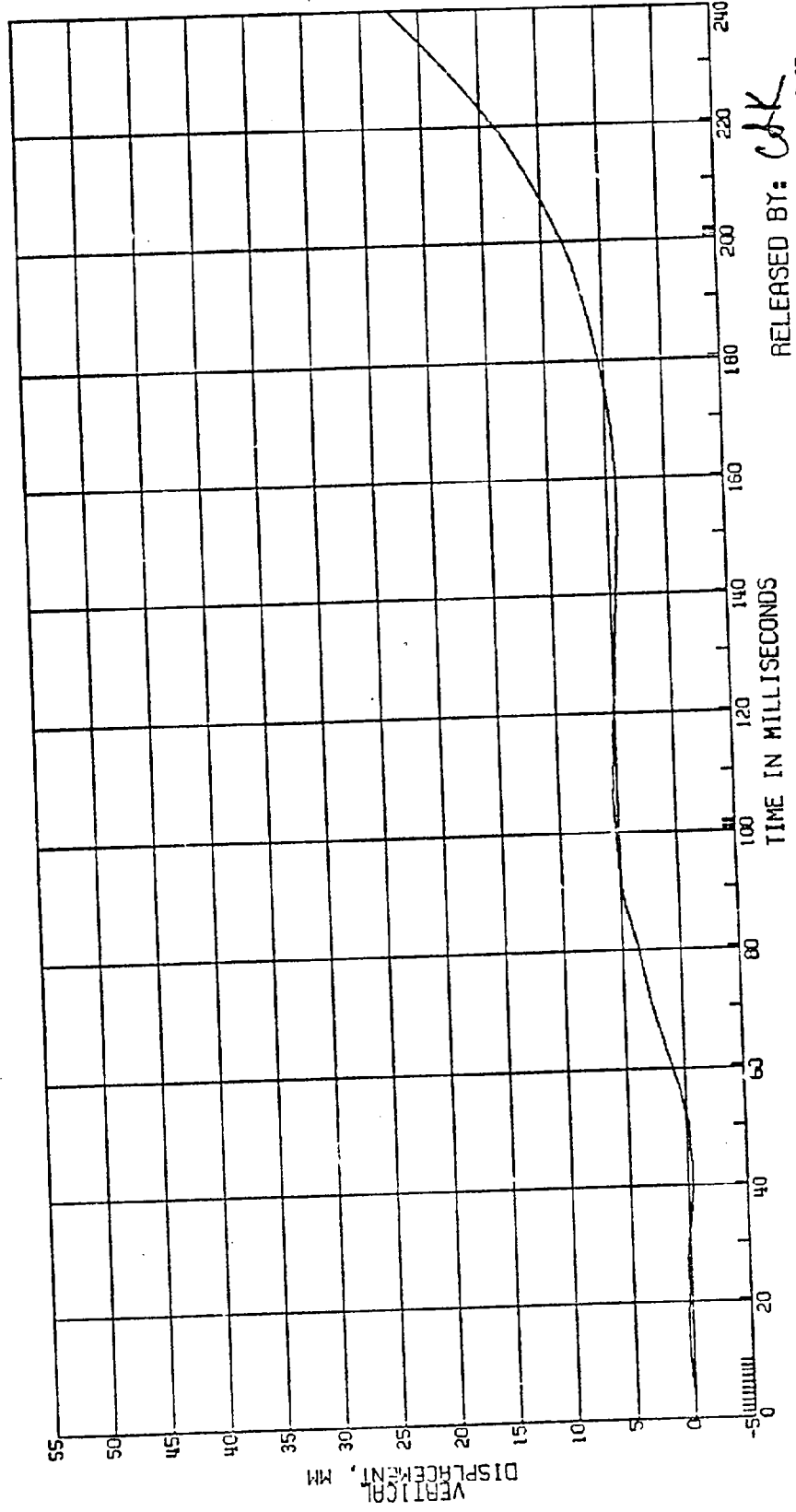
COMPUTED MIDDLE OF BARRIER DISPLACEMENT

TEST DATE: 06-11-85

FOR TEST DATA (STRAINING VEH)

A-D DATA SAE CLASS 100

(2ND INTEGRAL AVERAGED ACCELERATION)



RELEASED BY: *CKK*  
54 PROCESSED 17 JUN 85 17:37

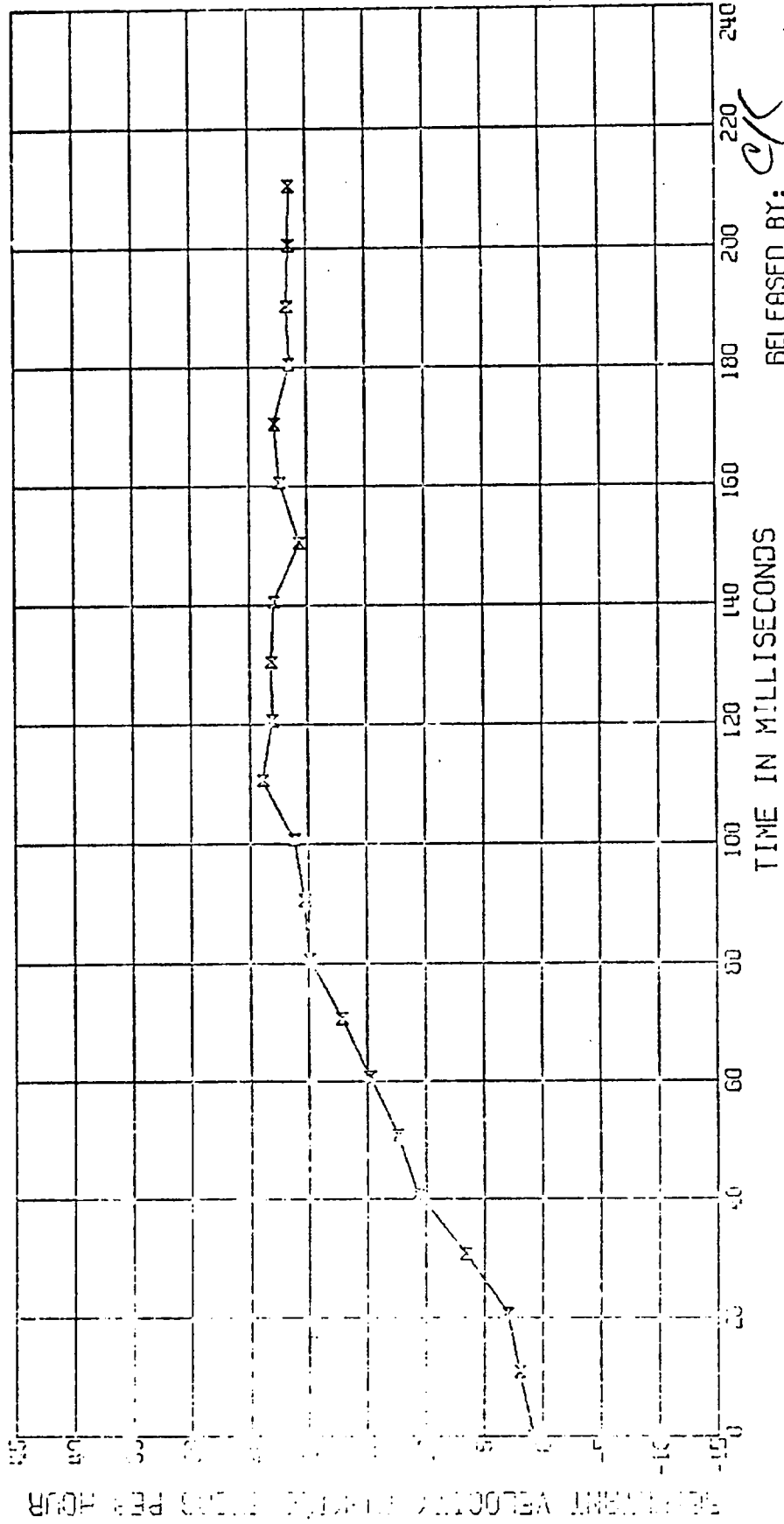
MOVING BARRIER TO PARKED VEHICLE 39.8KM/H FIGURE 109

RIGHT SIDE IMPACT

14-65

ABSOLUTE DATA

STRUCK VEHICLE RELATIVE TO GROUND REFERENCE

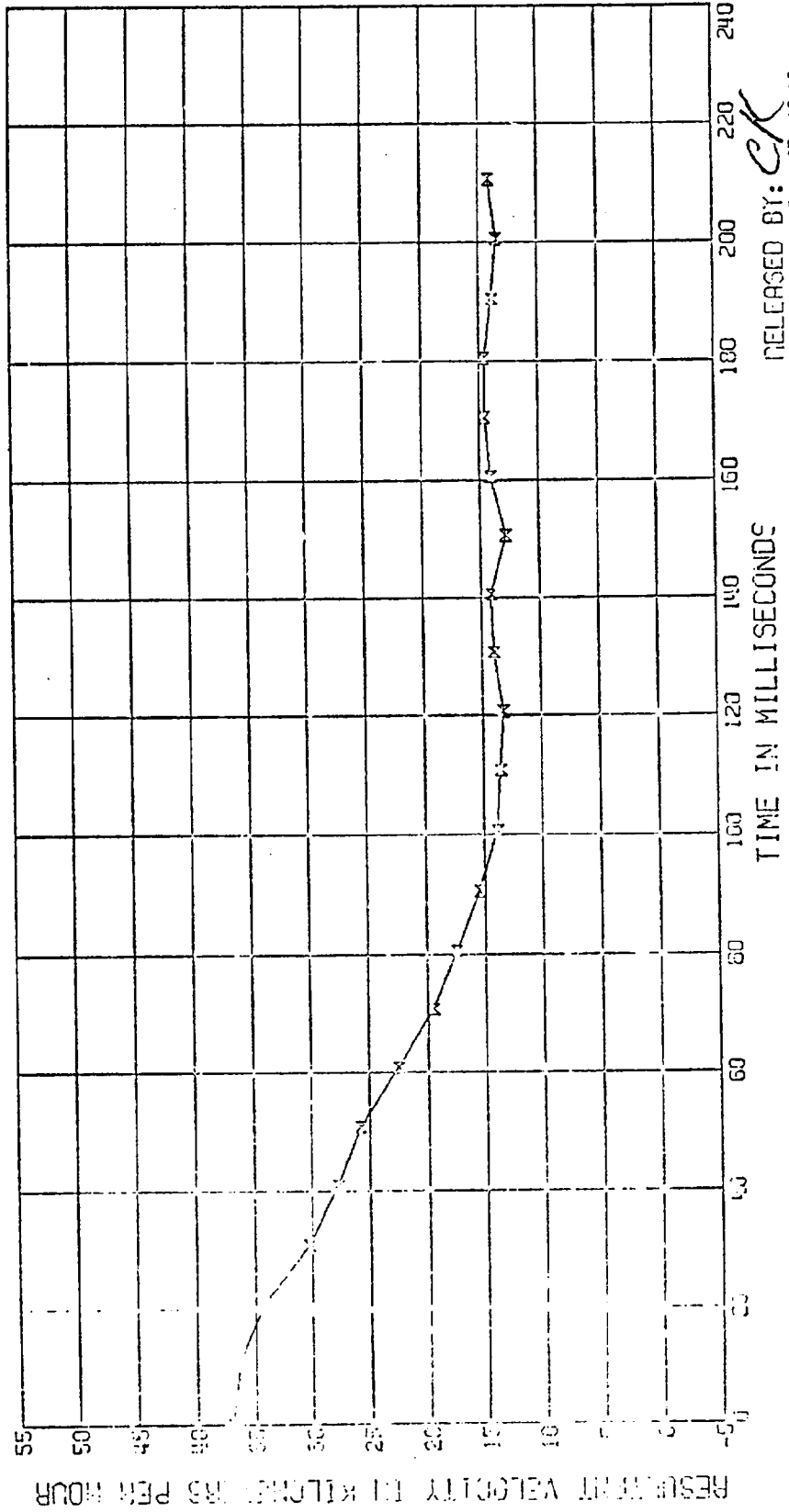


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MOVING BARRIER TO PARKED VEHICLE 39.8KM/H FIGURE 110

VELOCITY CALCULATED FROM SMOOTHED X-Z RESULTANT DISP. DATA

NHTSA BARRIER RELATIVE TO GROUND REFERENCE

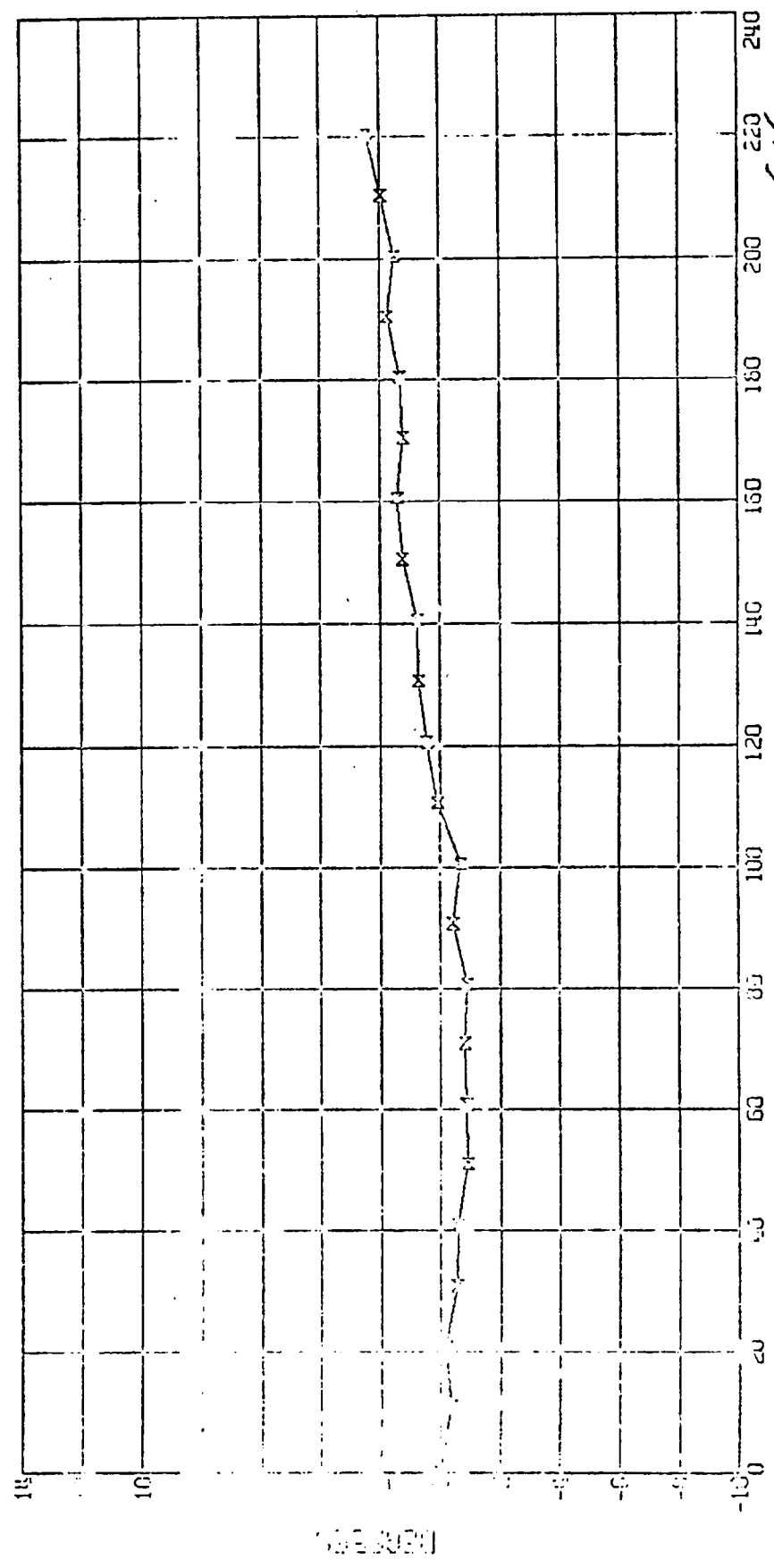


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MOVING CARRIER TO PARKED VEHICLE 39.8KM/H FIGURE III

100-100-10-10-05

STRUCK VEHICLE YAW RELATIVE TO GROUND REFERENCE

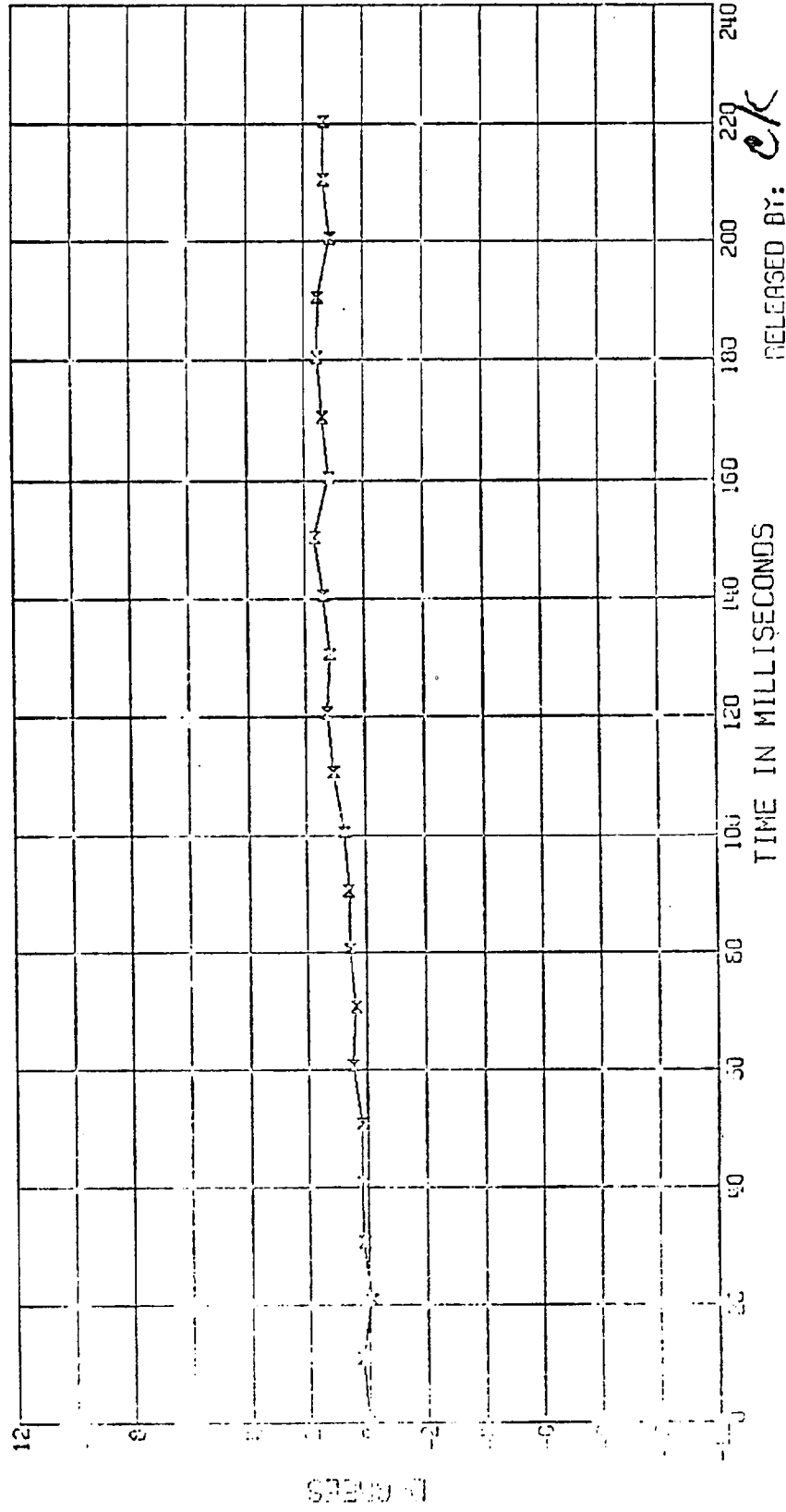


RELEASED BY: *CRK*  
5 PROCESSED ON JUN 85 18:13

RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 39.8KM/H FIGURE 1/2

TEST DATE: 06-14-85

NHTSA BARRIER YAW RELATIVE TO GROUND REFERENCE



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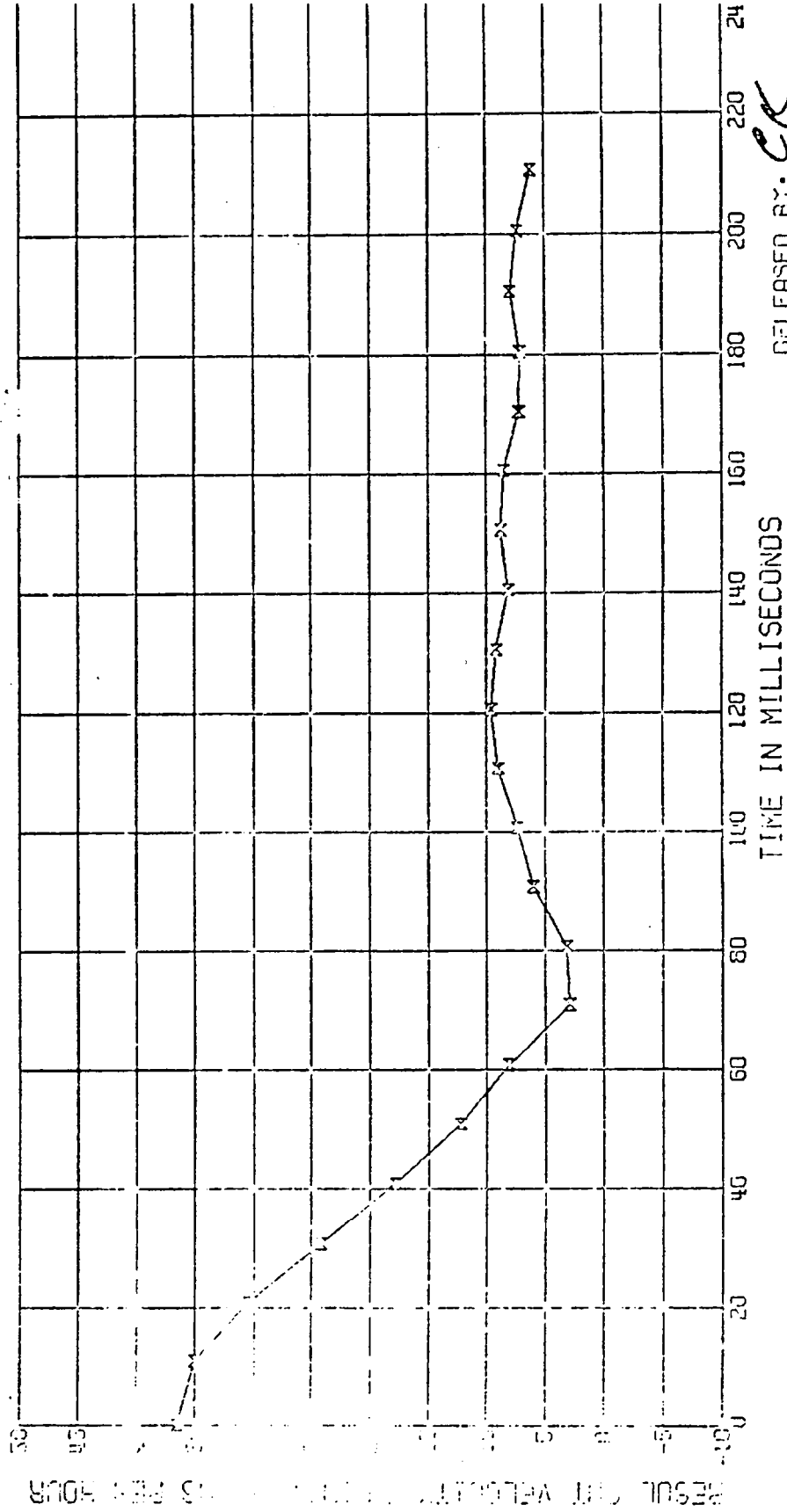
RIGHT SIDE IMPACT

MOVING BARRIER TO PARKED VEHICLE 39.8KM/H FIGURE 113

ATTACH-14-85

RESULTS OF INVESTIGATION AND RECONSTRUCTION DISC. 05/74

### NHTSA BARRIER DISPL RELATIVE TO STRUCK VEH TARGET



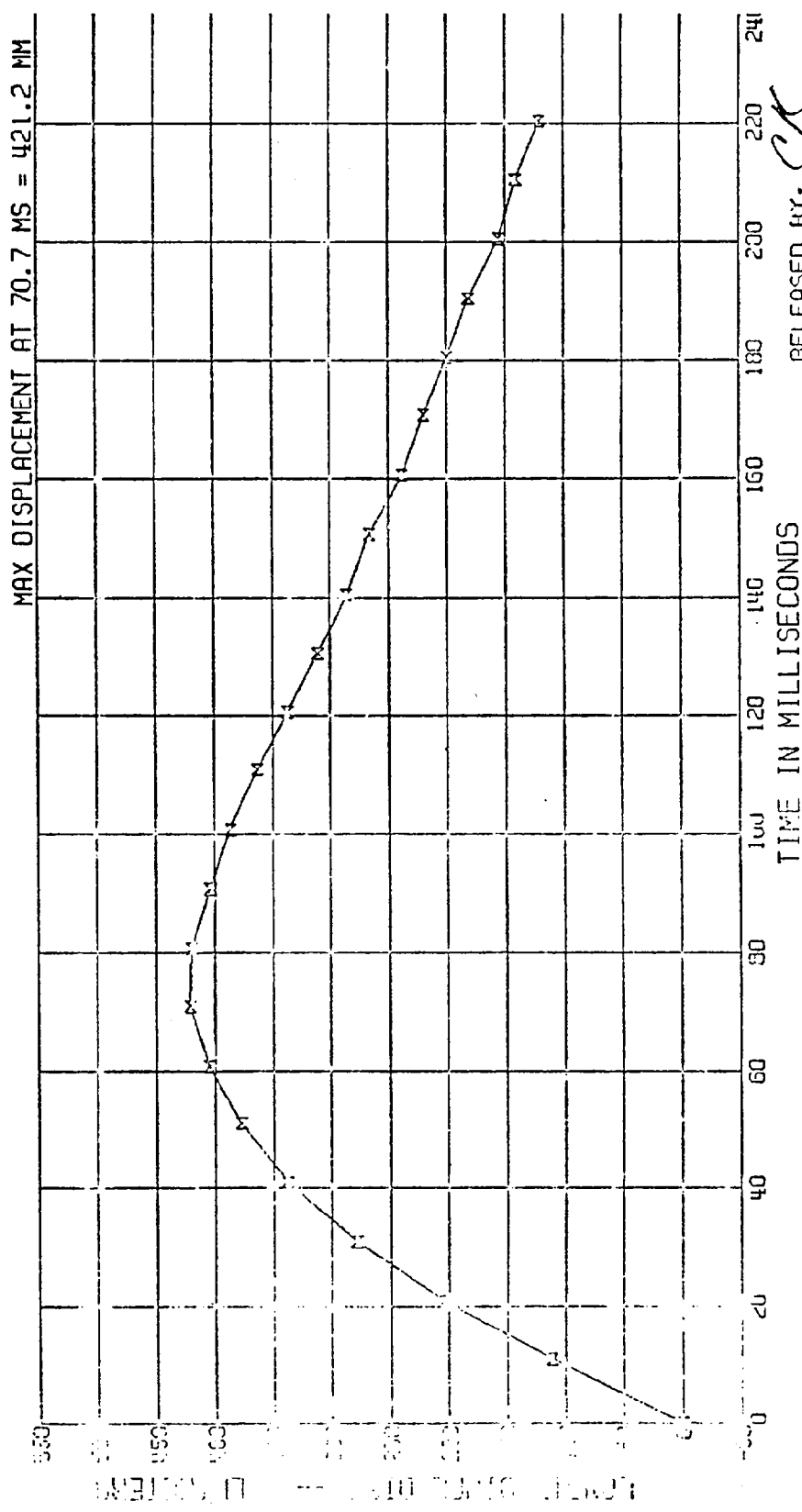
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RIGHT SIDE IMPACT MOVING BARRIER TO PARKED VEHICLE 39.8KM/H FIGURE 1/4

1985-17

1985-17-14-85

NHTSA BARRIER DISPLACEMENT RELATIVE TO STRUCK VEH TARGET



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5 PROCESSED 20 JUN 85 18:23

Fig.  
No.  
115

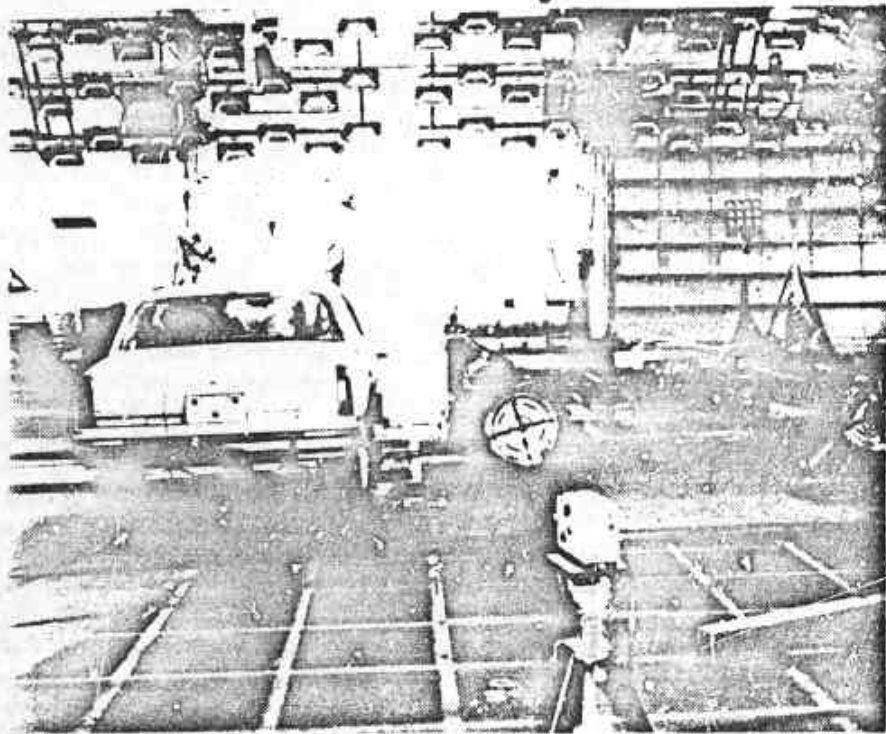
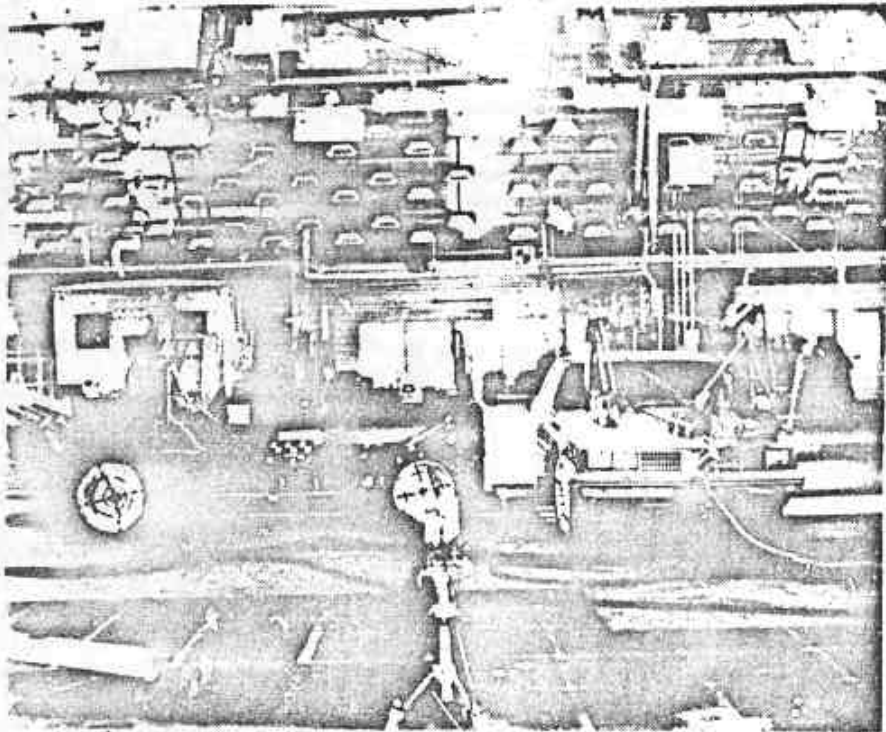
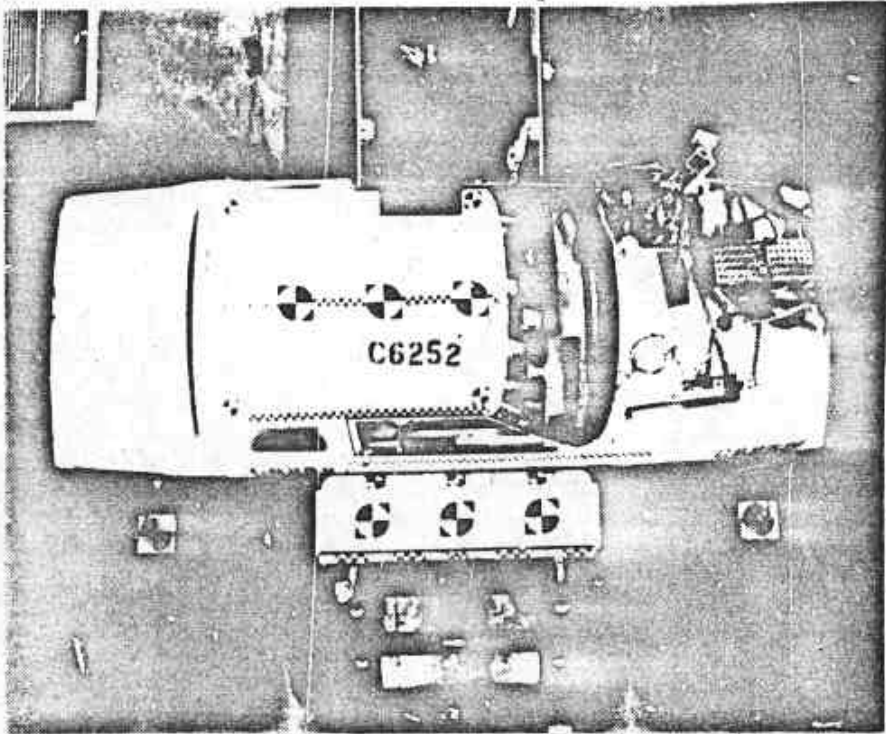
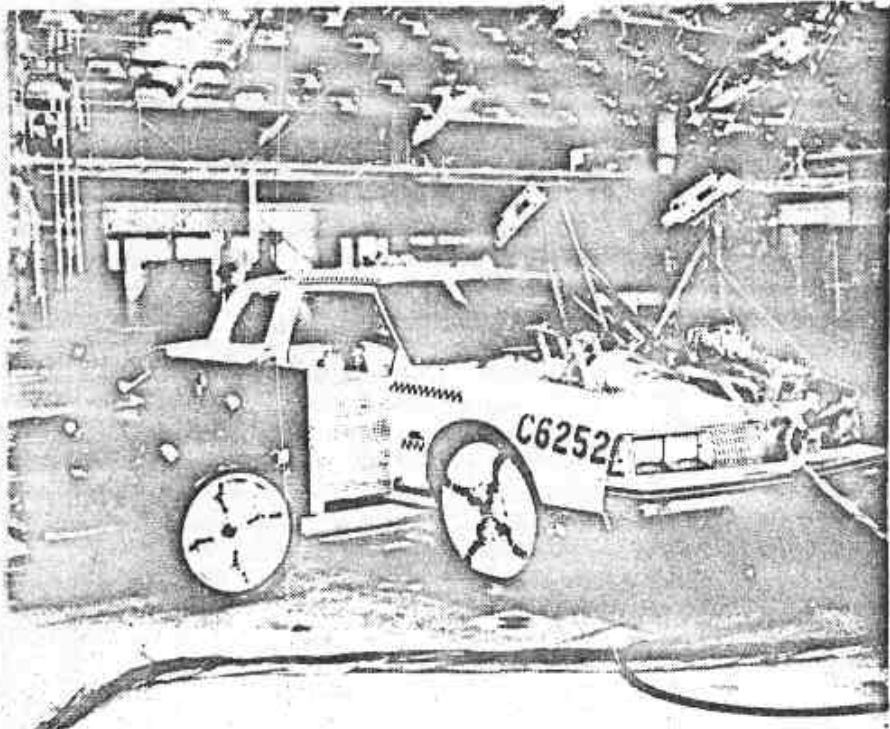


Fig.  
No.  
116

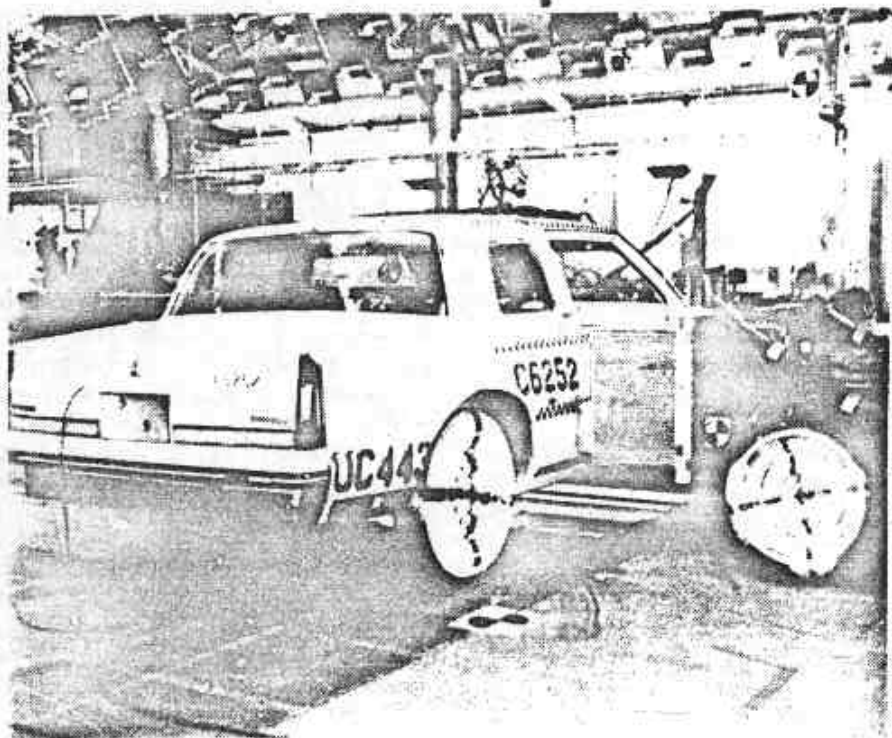




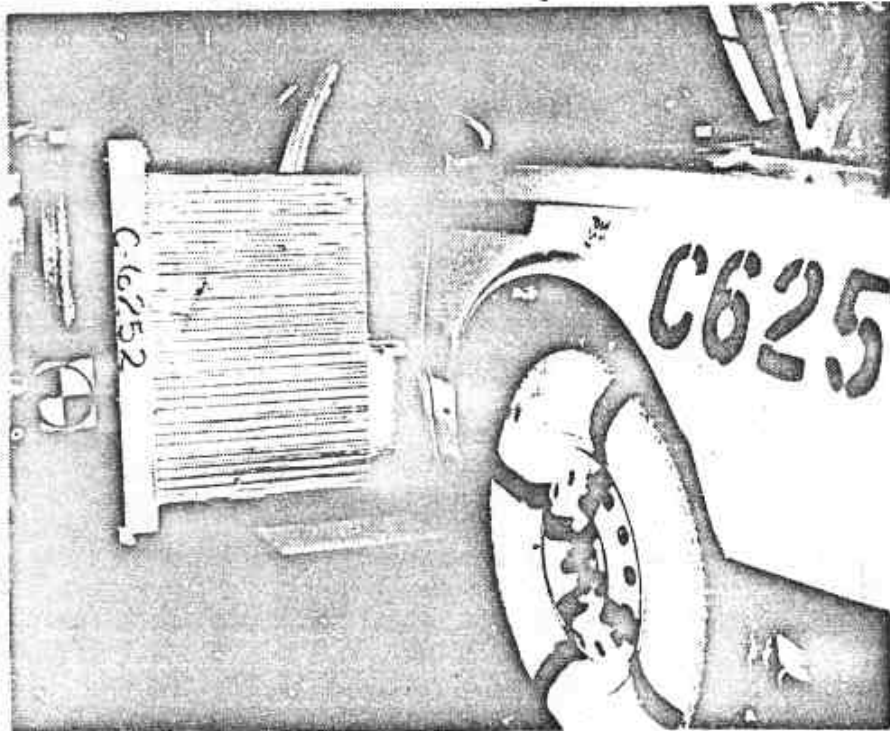
Document No.	Fig. No.
48459	117



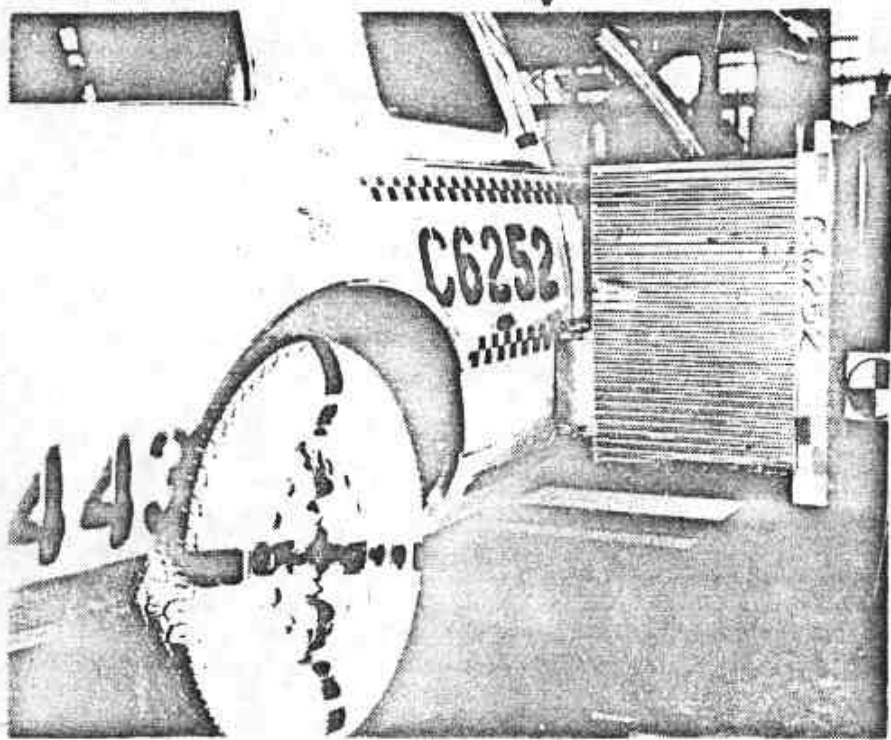
Document No.	Fig. No.
48459	118



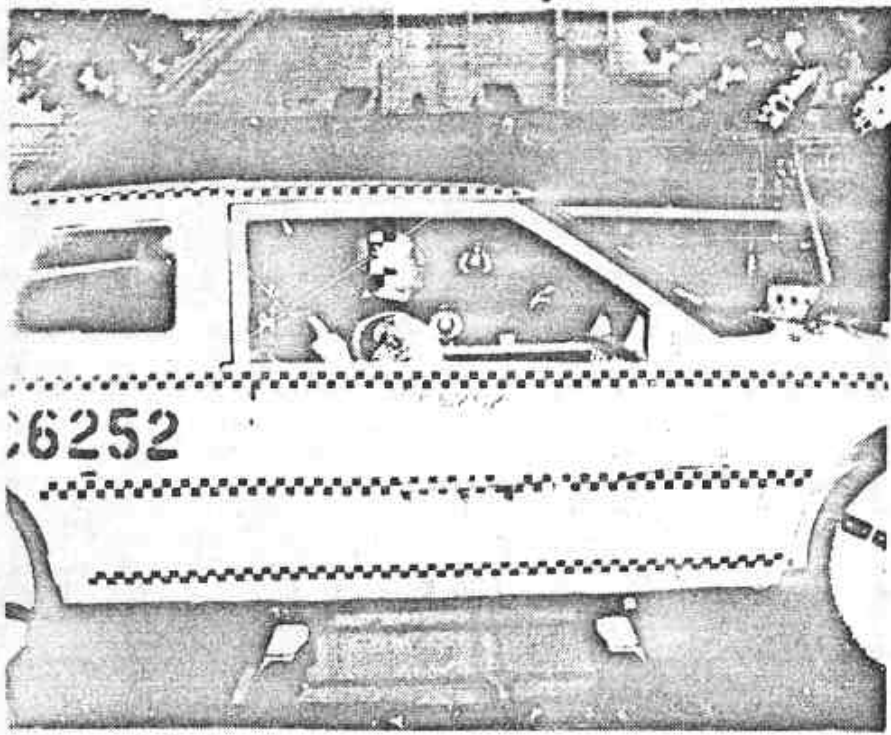
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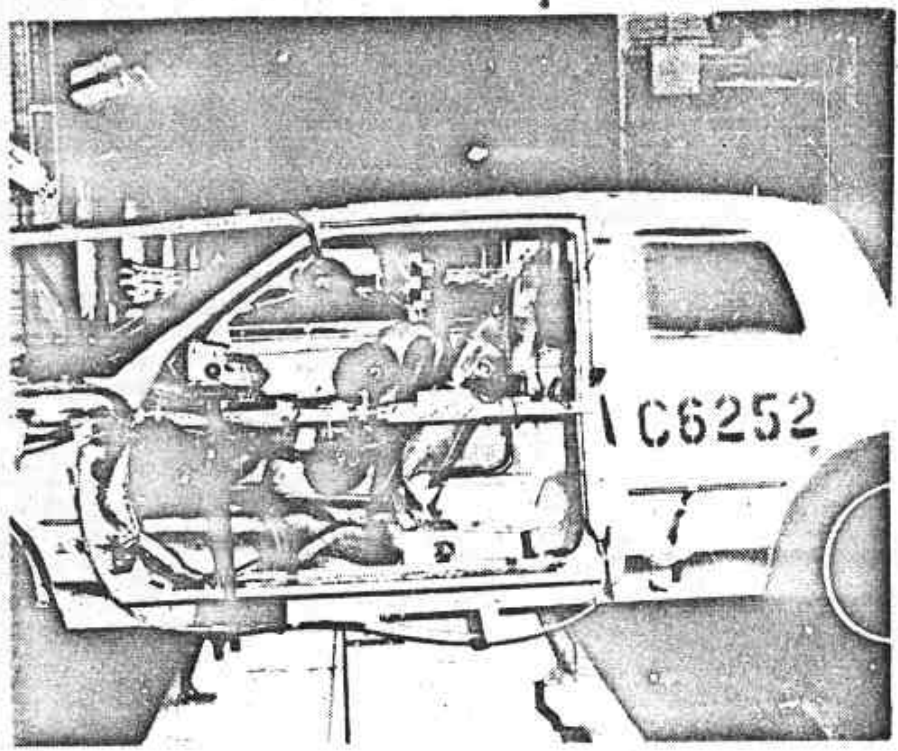
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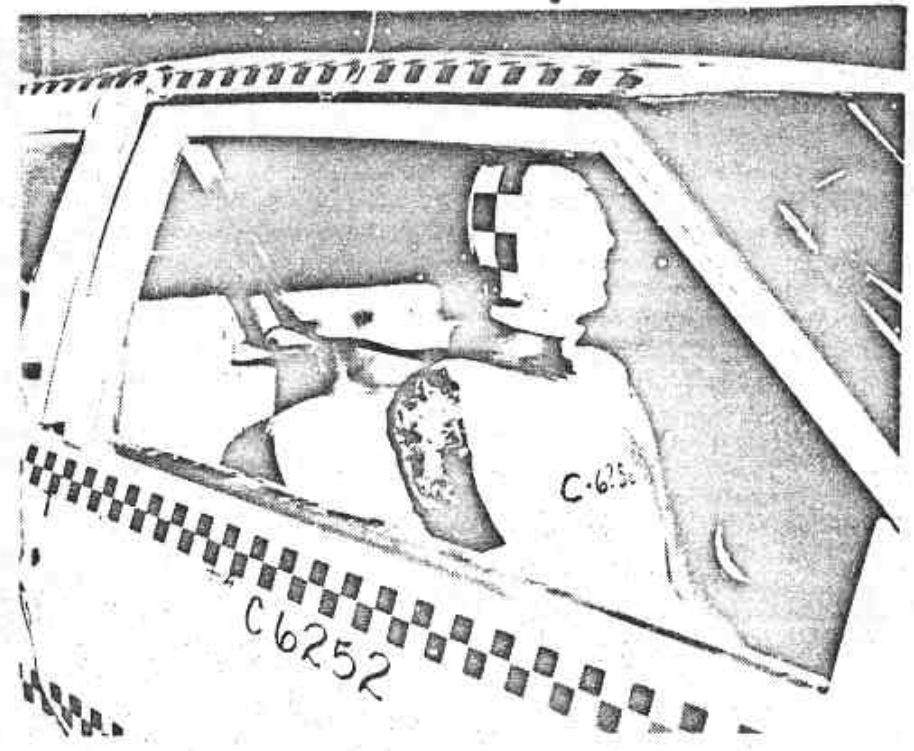
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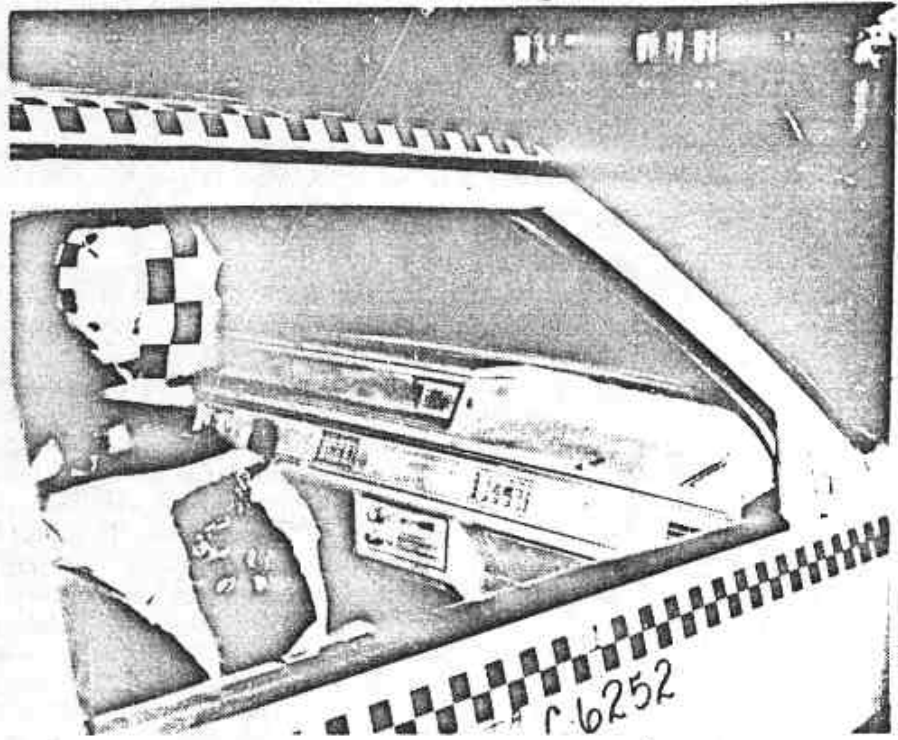
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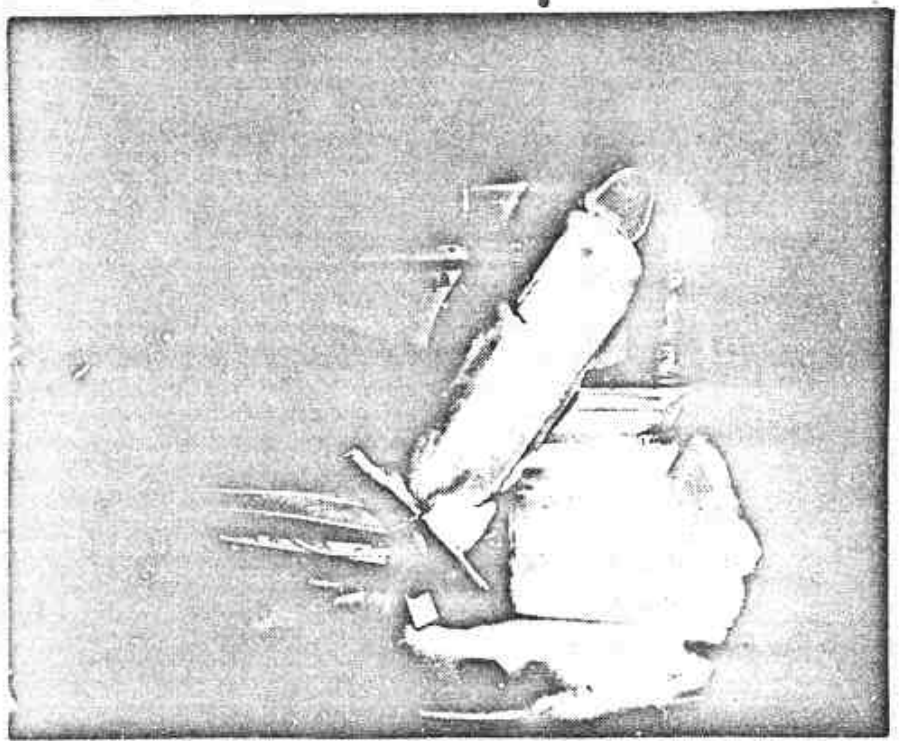
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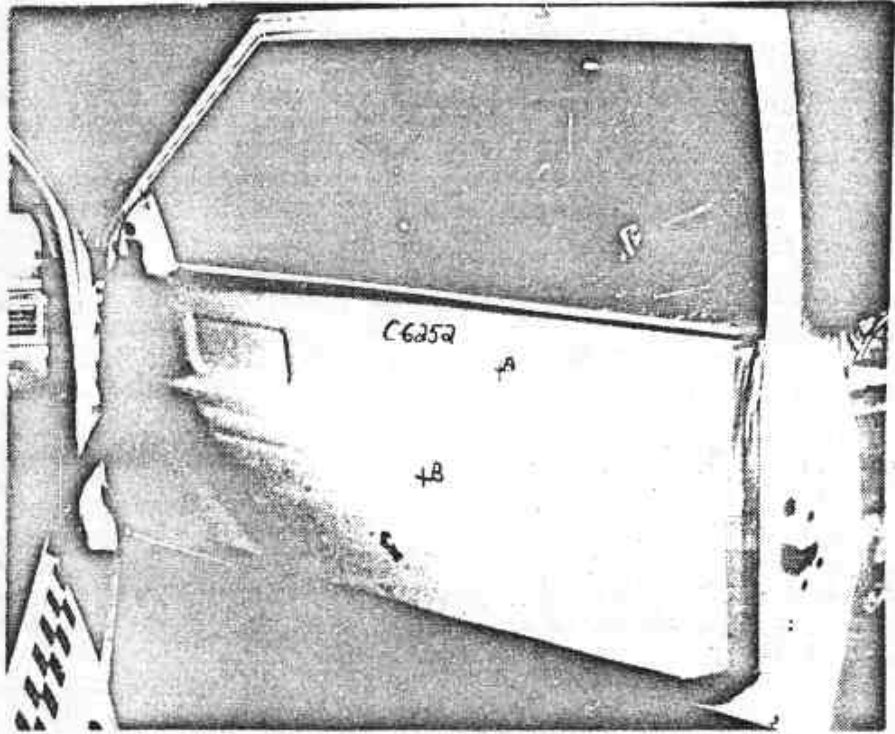
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3459	124



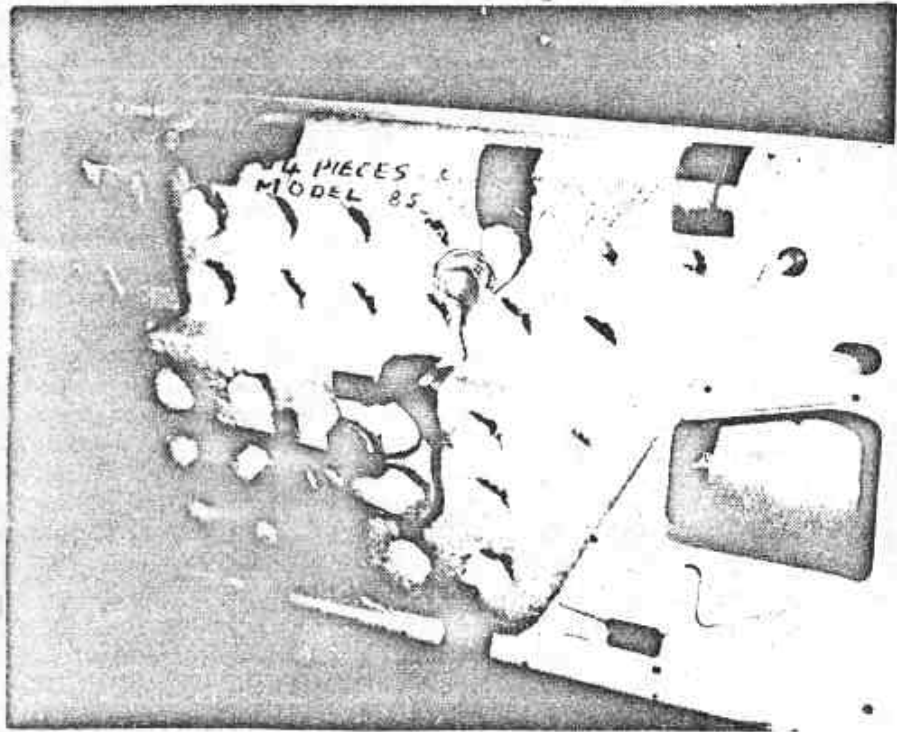
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1459	125



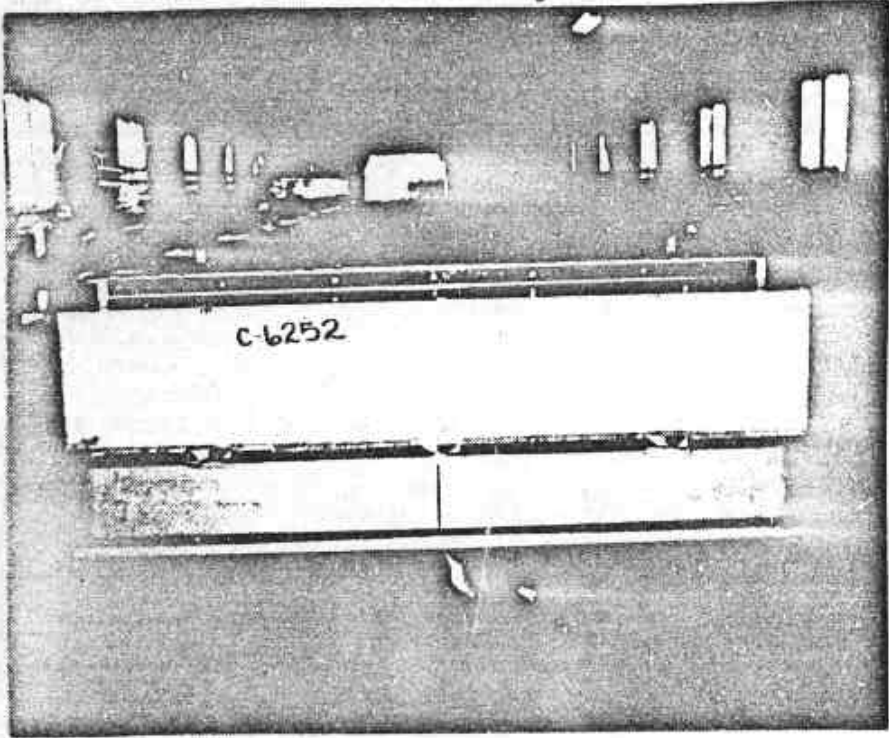
Document No.	Fig. No.
1459	126



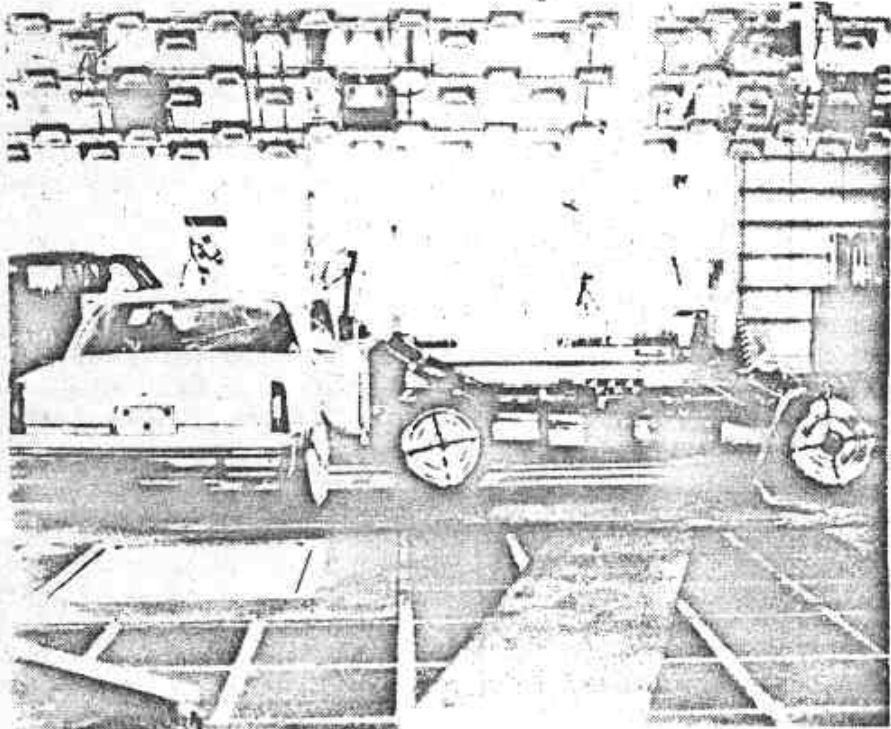
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459	127



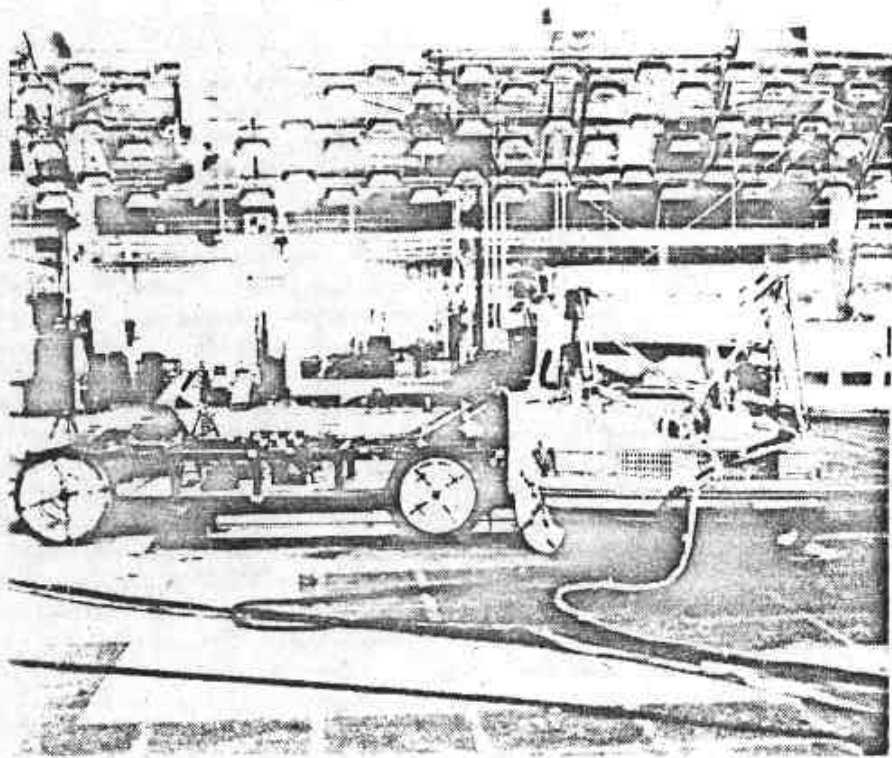
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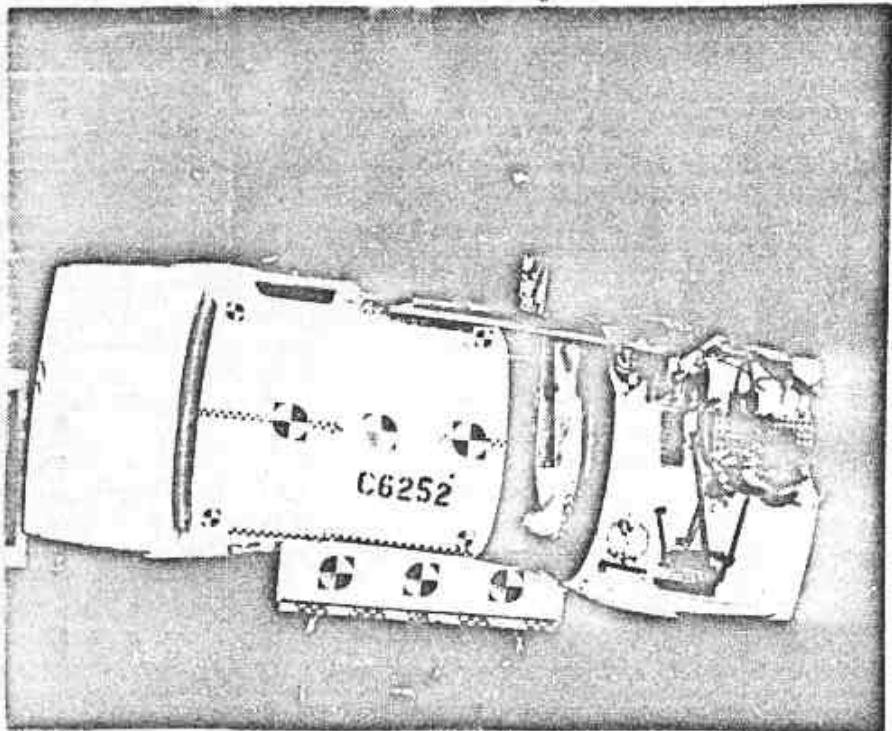
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159	129



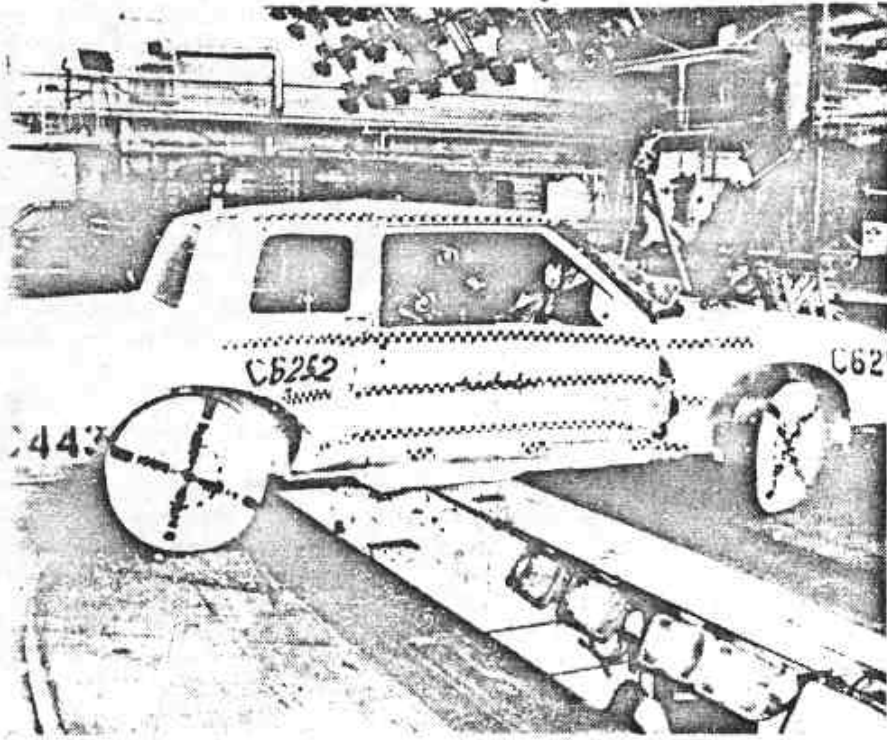
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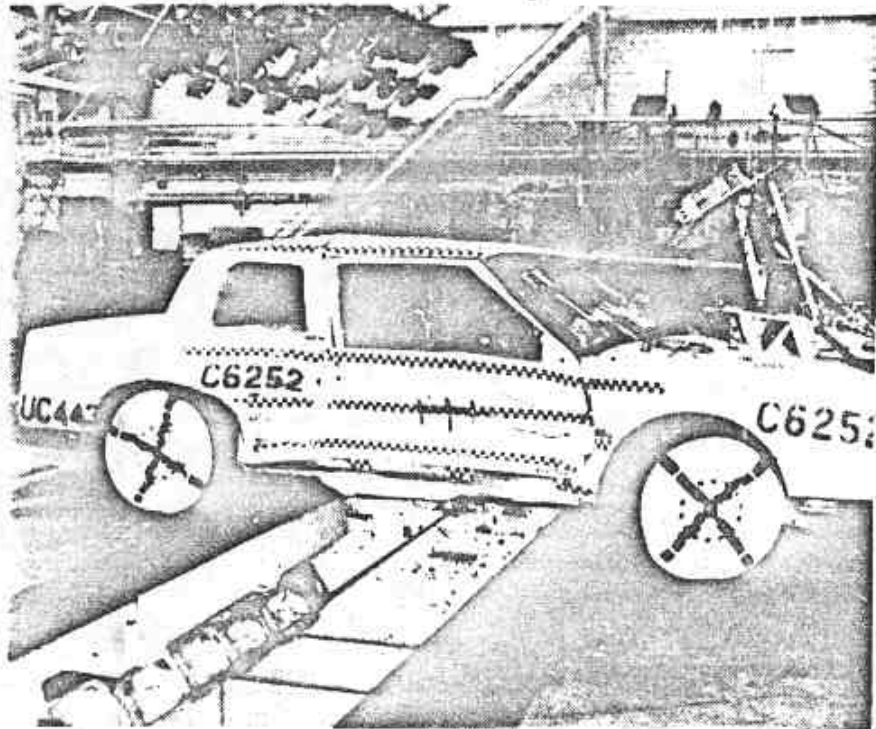
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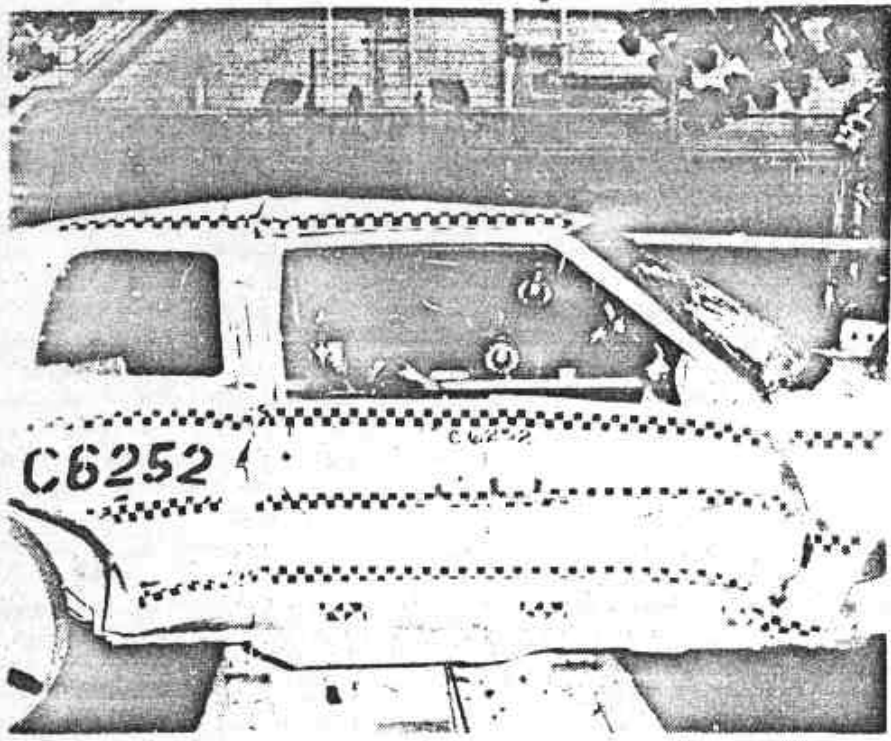
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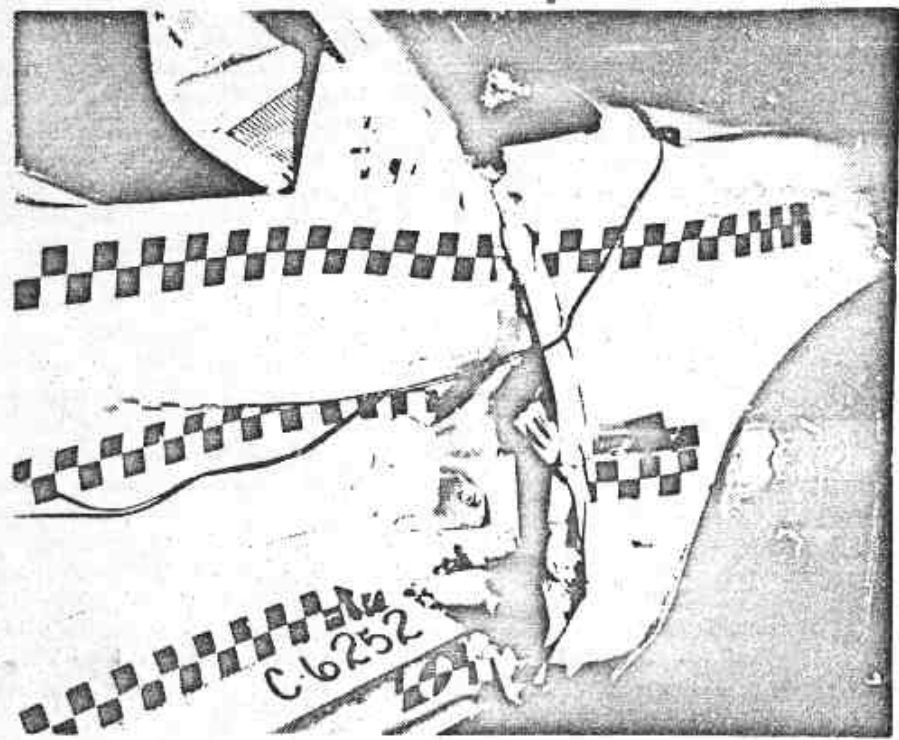
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ent	Fig.
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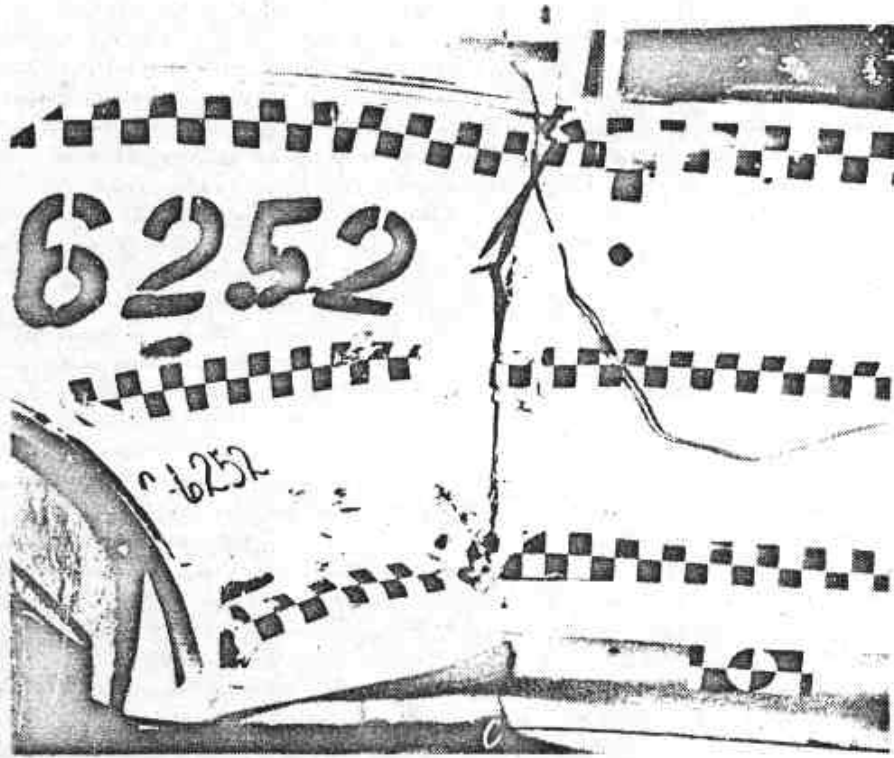


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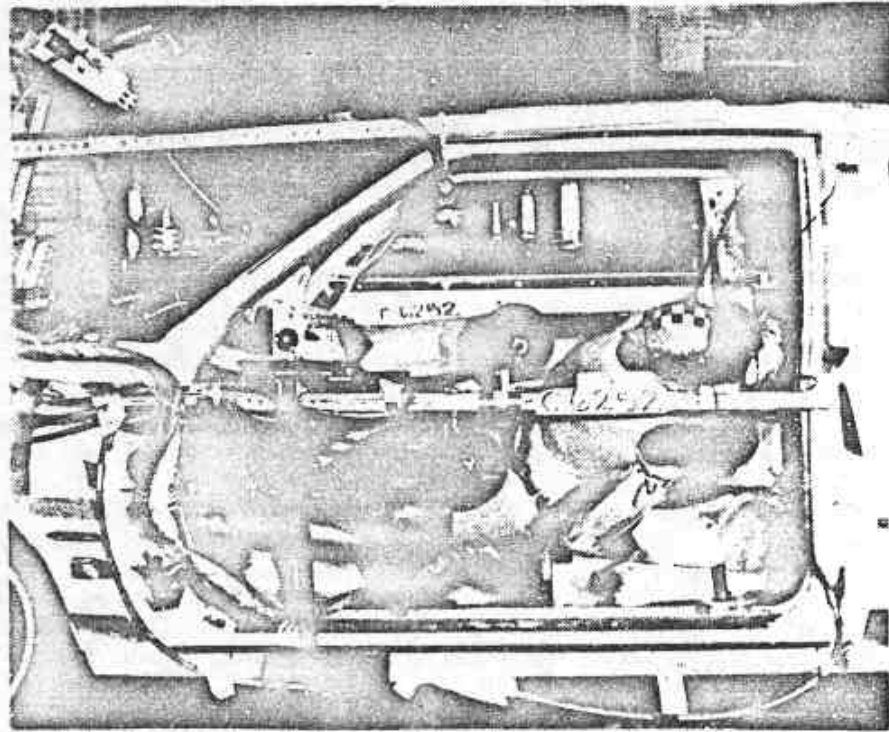


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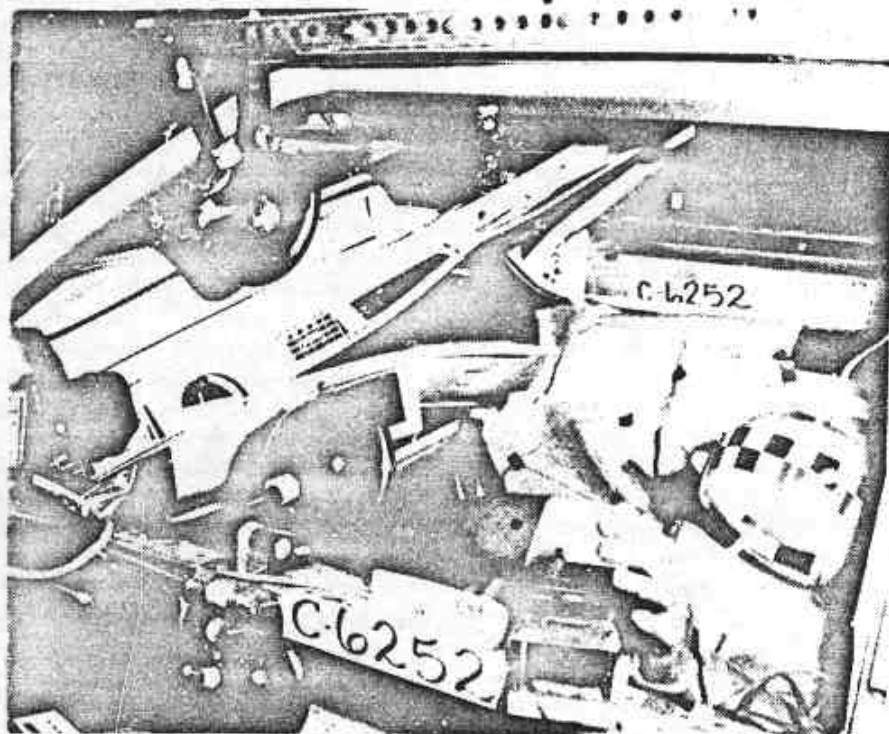
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9/137	



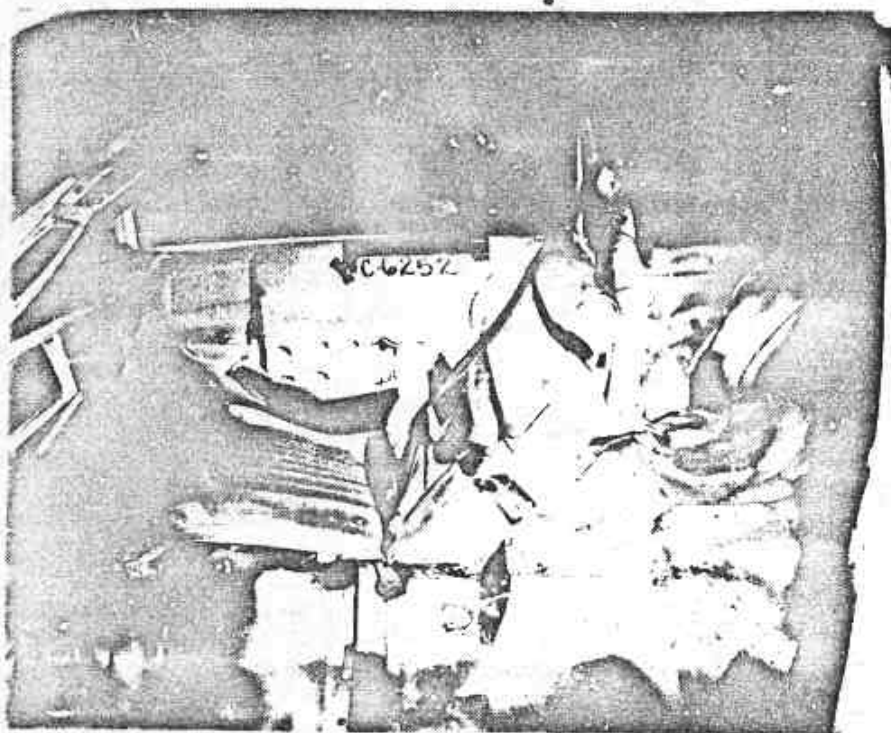
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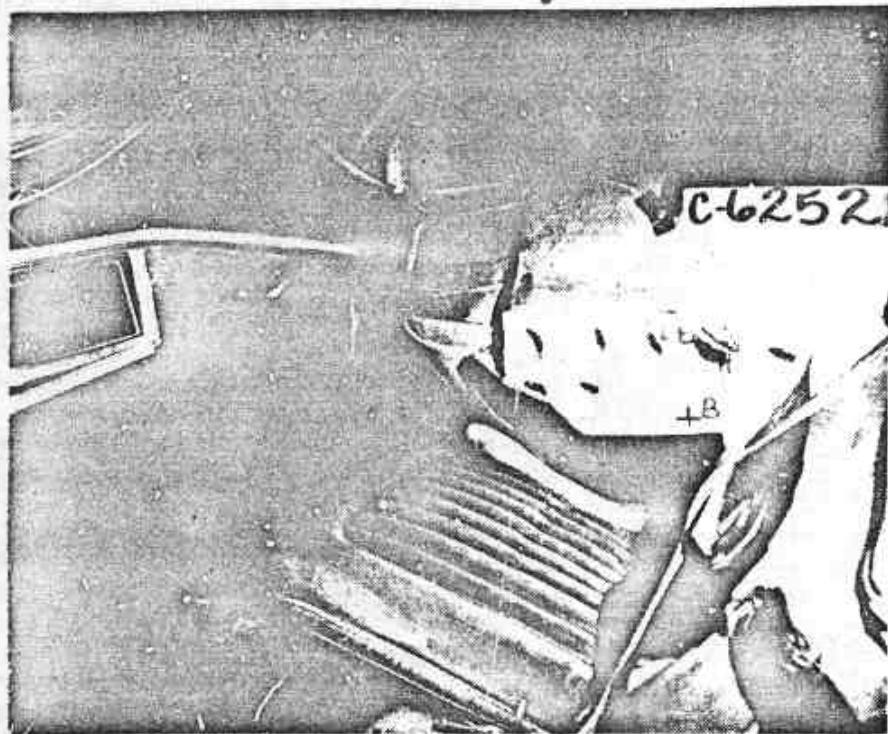
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11	Fig. No.
9141	



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9142	

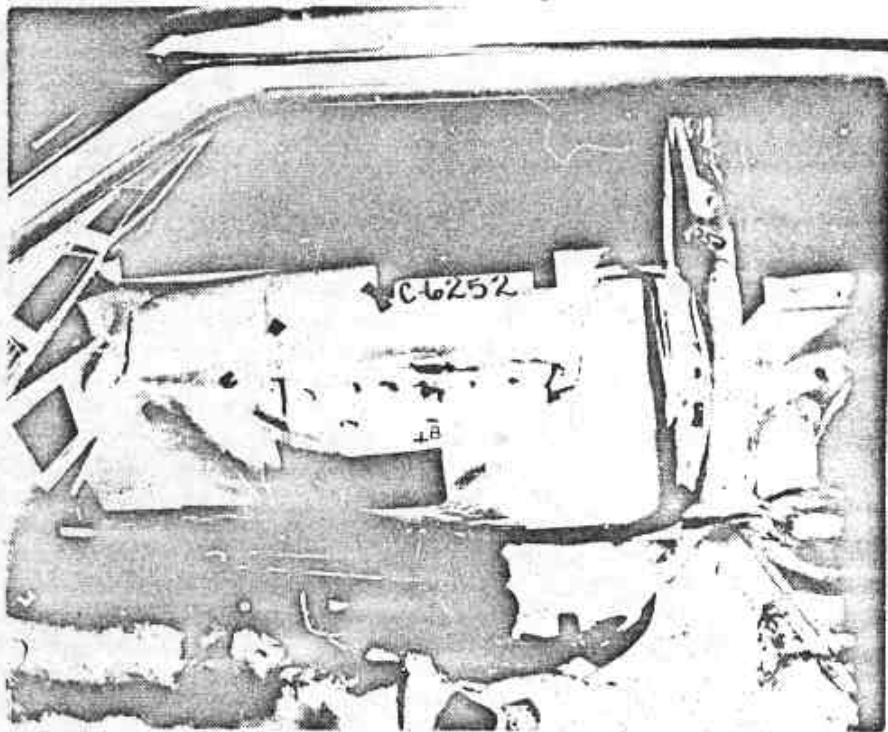


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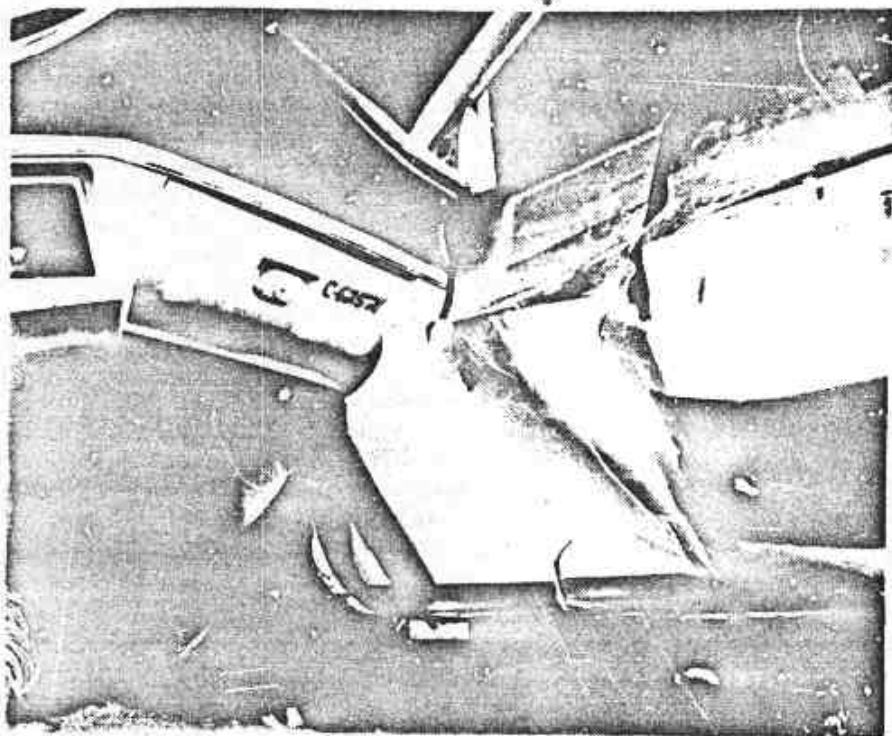
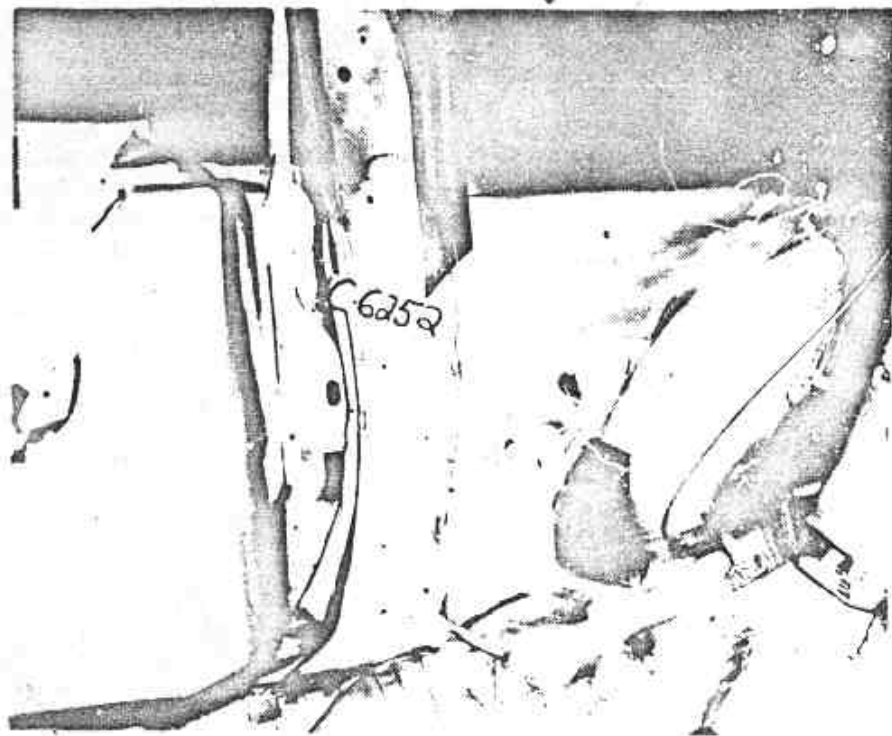
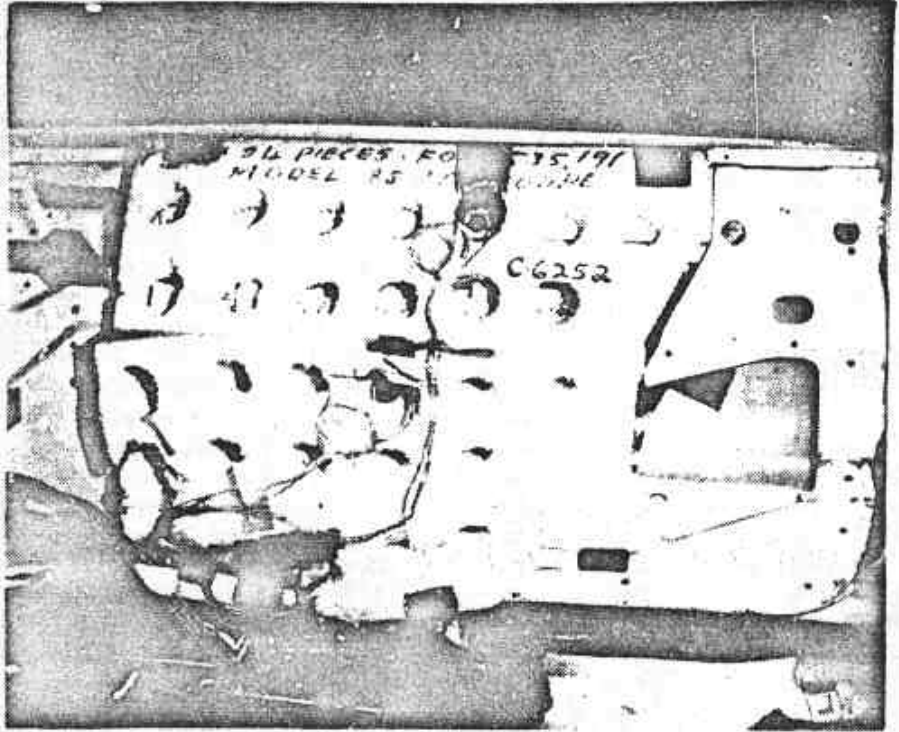


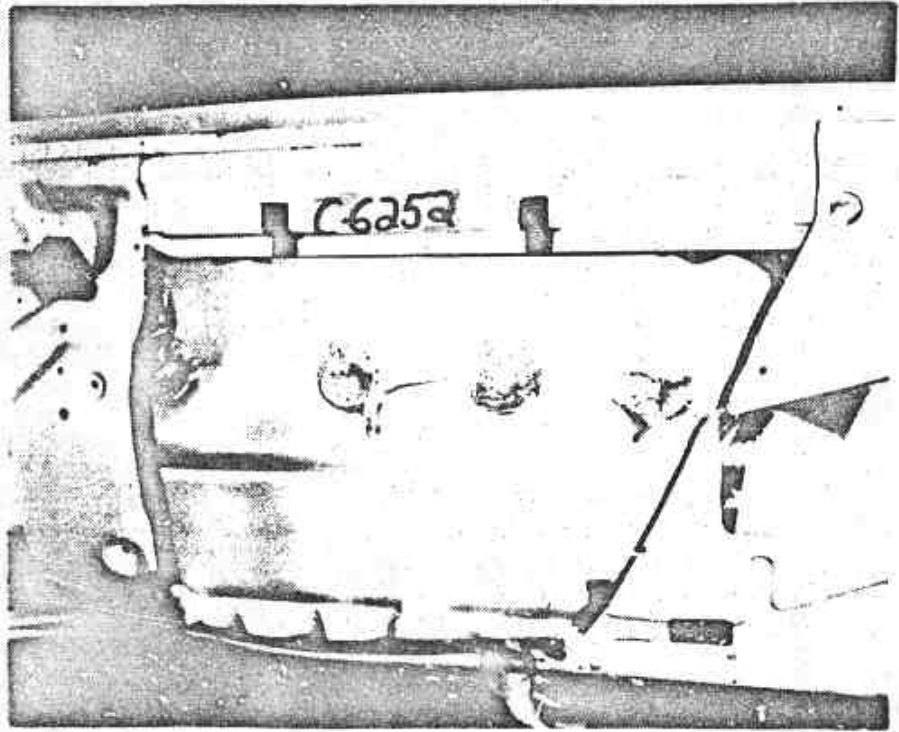
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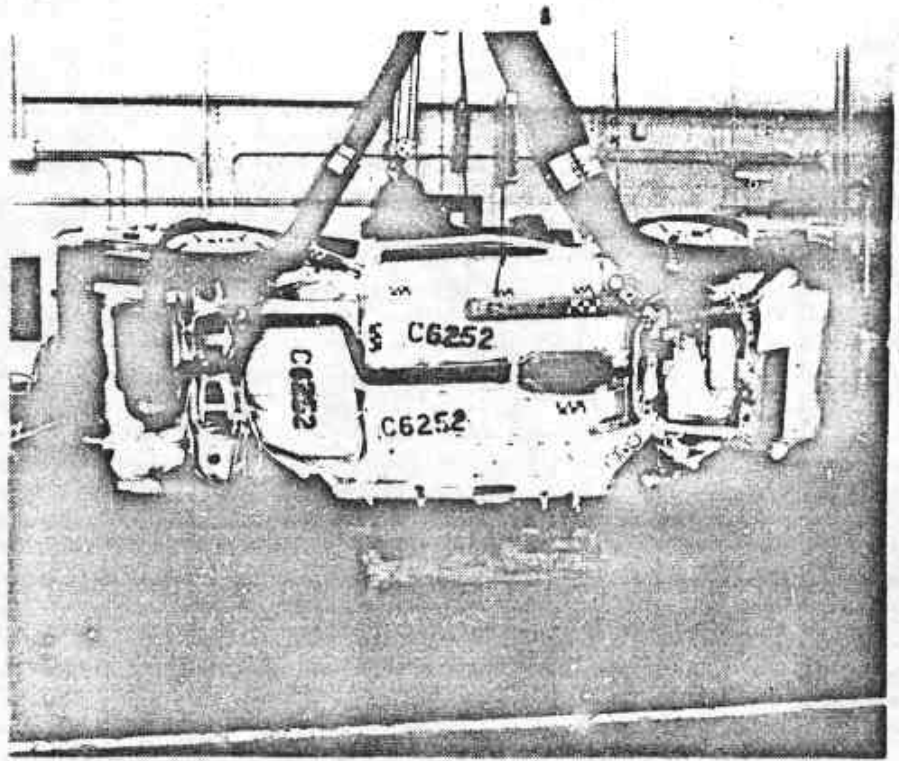


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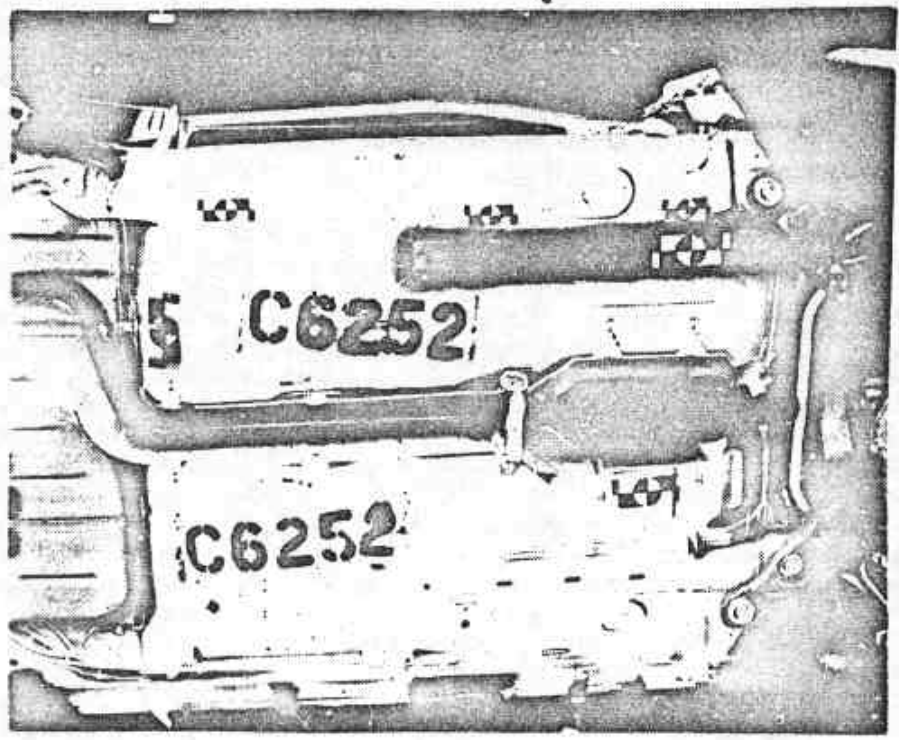


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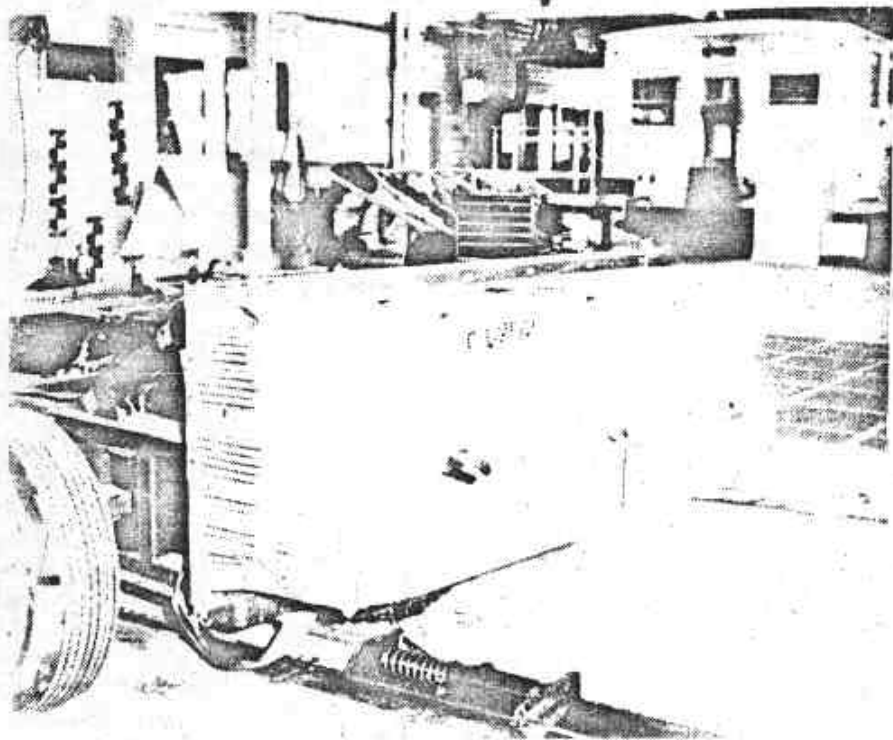




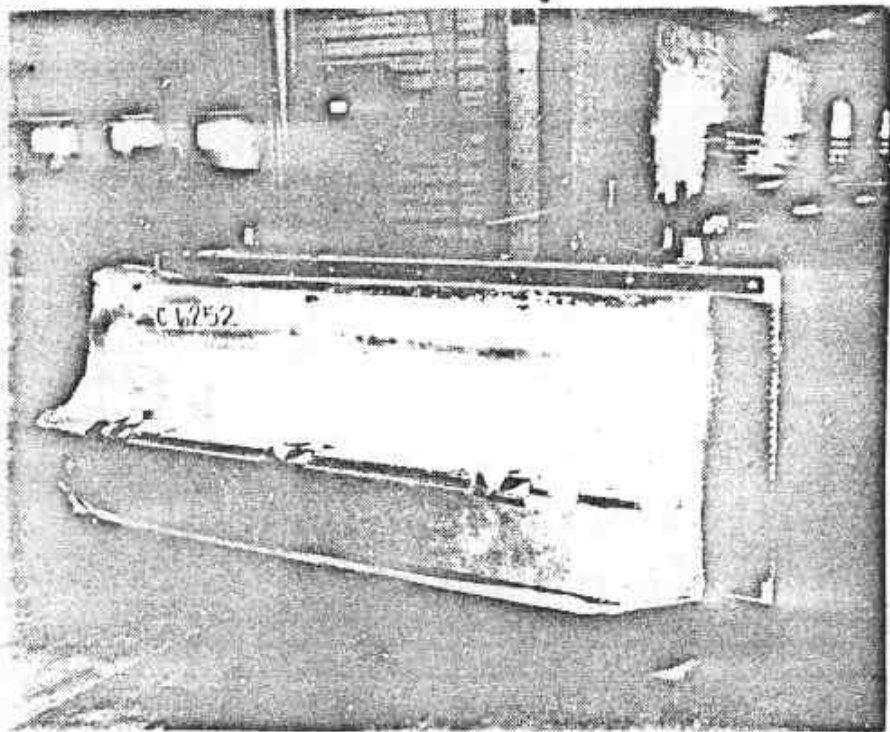
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Document No.	Fig. No.
48459	148



Document No.	Fig. No.
8459	49



Document No.	Fig. No.
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