



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**



DOT HS 807 427

August 1985

Final Report

Breed Air Bag Sled Testing Program Volume II

The United States Government does not endorse products or manufacturers. Trade or manufacturers' names appear only because they are considered essential to the object of this report.

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242
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1985
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c.2

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15. Supplementary Notes					
16. Abstract Sled tests were performed using a driver-only airbag system in conjunction with various belting systems to determine injury criteria using 5th, 50th, and 95th percentile dummies.					
17. Key Words Airbag Sled Test			18. Distribution Statement Document is available to the public from the National Technical Information Service, Springfield, VA 22161		
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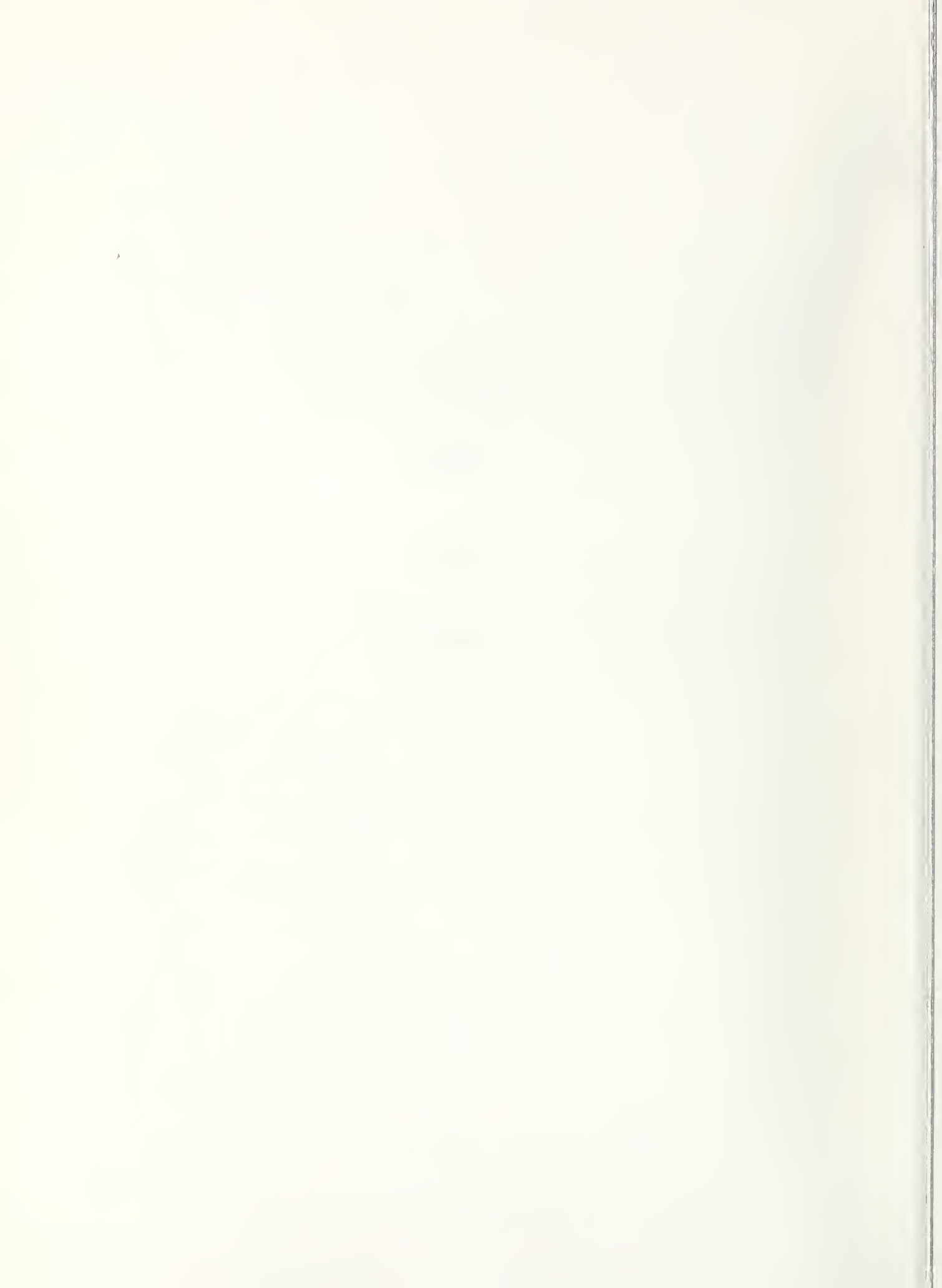
Breed Airbag Sled Testing Program

RD 384-4

Volume II

Data Charts

15 - 28



	Min value	Max value	Data Units	Filter
1 HEDXG1	-117.356 @	145.085 @	g	ALPF 1650/ 5214/ -40
2 HEDXV1	-46.592 @	0.260 @	mph	BLPF 300/ 949/ -40
3 HEDXD1	-56.247 @	0.215 @	in	BLPF 300/ 949/ -40
4 HEDYG1	-13.892 @	17.649 @	g	ALPF 1650/ 5214/ -40
5 HEDZG1	-18.650 @	100.628 @	g	ALPF 1650/ 5214/ -40
6 CSTXG1	-60.068 @	11.110 @	g	BLPF 300/ 949/ -40
7 CSTXV1	-37.715 @	0.161 @	mph	BLPF 300/ 949/ -40
8 CSTXD1	-60.529 @	0.165 @	in	BLPF 300/ 949/ -40
9 CSTYG1	-10.883 @	17.669 @	g	BLPF 300/ 949/ -40
10 CSTZG1	-12.579 @	12.914 @	g	BLPF 300/ 949/ -40
11 PEVXG1	-37.276 @	10.296 @	g	BLPF 300/ 949/ -40
12 PEVXD1	-24.503 @	-0.185 @	mph	BLPF 300/ 949/ -40
13 PEVYG1	-36.603 @	1.250 @	in	BLPF 300/ 949/ -40
14 PEVZG1	-10.055 @	-0.109 @	g	BLPF 300/ 949/ -40
15 PEVZV1	-33.775 @	10.511 @	g	BLPF 300/ 949/ -40
16 LFMF1	-314.106 @	7.809 @	g	BLPF 300/ 949/ -40
17 LFMF1	-244.018 @	182.217 @	lb	BLPF 1000/ 3162/ -40
18 EVENT	0.000 @	106.478 @	lb	BLPF 1000/ 3162/ -40
19 SLDXV	-33.048 @	1.570 @	volt	ALPF 1650/ 5214/ -40
20 SLDXG1	-24.202 @	0.152 @	mph	BLPF 100/ 316/ -40
21 SLDXV1	-33.801 @	0.554 @	g	BLPF 100/ 316/ -40
22 SLDXD1	-64.966 @	0.029 @	mph	BLPF 300/ 949/ -40
23 LPBXG1	-22.844 @	0.019 @	in	BLPF 300/ 949/ -40
24 LPBXV1	-32.363 @	0.773 @	g	BLPF 100/ 316/ -40
25 LPBXD1	-62.961 @	-0.586 @	mph	BLPF 300/ 949/ -40
26 LPBYG1	-3.936 @	-0.306 @	in	BLPF 300/ 949/ -40
27 LPBZG1	-1.311 @	2.213 @	g	BLPF 100/ 316/ -40
28 ABT3	-0.006 @	1.564 @	g	BLPF 100/ 316/ -40
29 ABT4	-5.348 @	2.044 @	volt	ALPF 1650/ 5214/ -40
		6.032 @	volt	ALPF 1650/ 5214/ -40

	Min value	Max value	Data Units	Filter
1 HEDRG1	0.034 @	160.835 @	g	ALPF 1650/ 5214/ -40
2 CSTRG1	0.030 @	60.714 @	g	BLPF 300/ 949/ -40
3 PEVRG1	0.011 @	42.289 @	g	BLPF 300/ 949/ -40
4 LPBRG1	0.060 @	22.859 @	g	BLPF 100/ 316/ -40

	Min value	Max value	Data Units	Filter
1 SHBF1	-1.060 @	1923.820 @	lb	BLPF 100/ 316/ -40
2 LBDF1	-0.251 @	561.023 @	lb	BLPF 100/ 316/ -40

R SYSP:HIC2

HIC1 -- Compute Head Injury Criterion from a single channel

Enter input filespec -->TRC416RP
File TRC416RP -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921; DeltaX = 0.125
VRTC RD384-4-15 BREED AIRBAG SLED PROGRAM 30.00 mph
HEURGI CSTRG1 PEVRG1 LFBRG
Enter channel l,stop time] -->HEURGI

* * * HIC computation for TRC416RP 17-APR-85 16:24:56

HEURGI VRTC RD384-4-15 85107 BREED AIRBAG SLED PROGRAM
Using time range = 0.000 to 191.250 msec Peak accel = 160.83 @ 151.125
HIC = 1634.82 Interval from 72.125 [739] to 103.250 [987]
HIC = 1047.17 Interval from 84.750 [839] to 99.750 [959]

R SYSP:THREEMS

*** Three ms clip program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. Period

Enter input filespec --> TRC416P\PARP

File TRC416RP -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921; DeltaX = 0.125000
VRTC RD384-4-15 BREED AIRBAG SLED PROGRAM 30.00 mph
HEURGI CSTRG1 PEVRG1 LFBRG

Enter channel name --> CSTRG1

[SLED,BREED]TRC416RP,RAD?I VRTC RD384-4-15
BREED AIRBAG SLED PROGRAM 30.0 mph 85107 17-APR-85 16:23:41
DeltaX: 0.125

3 MS CLIP PEAK: 57.52588

Please run LSTRAP on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name --> EXIT

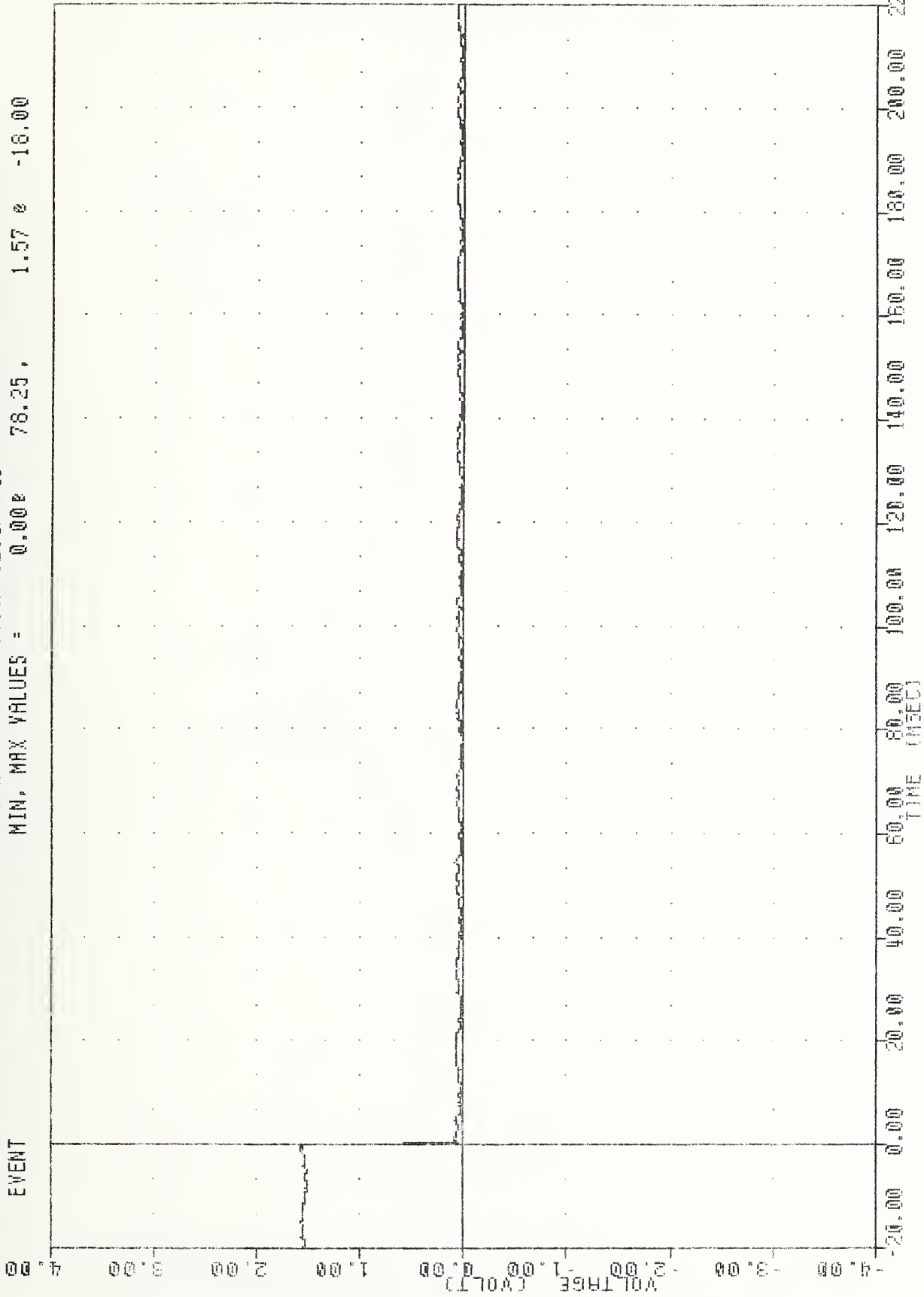
Enter input filespec --> EXIT\IXE

VRIC , RD384-4-15
BREED AIRBAG SLED PROGRAM
85107
EVENT

PLOT DATE 18-APR-85 08:22:14

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.00e 78.25, 1.57 e -16.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
EVENT

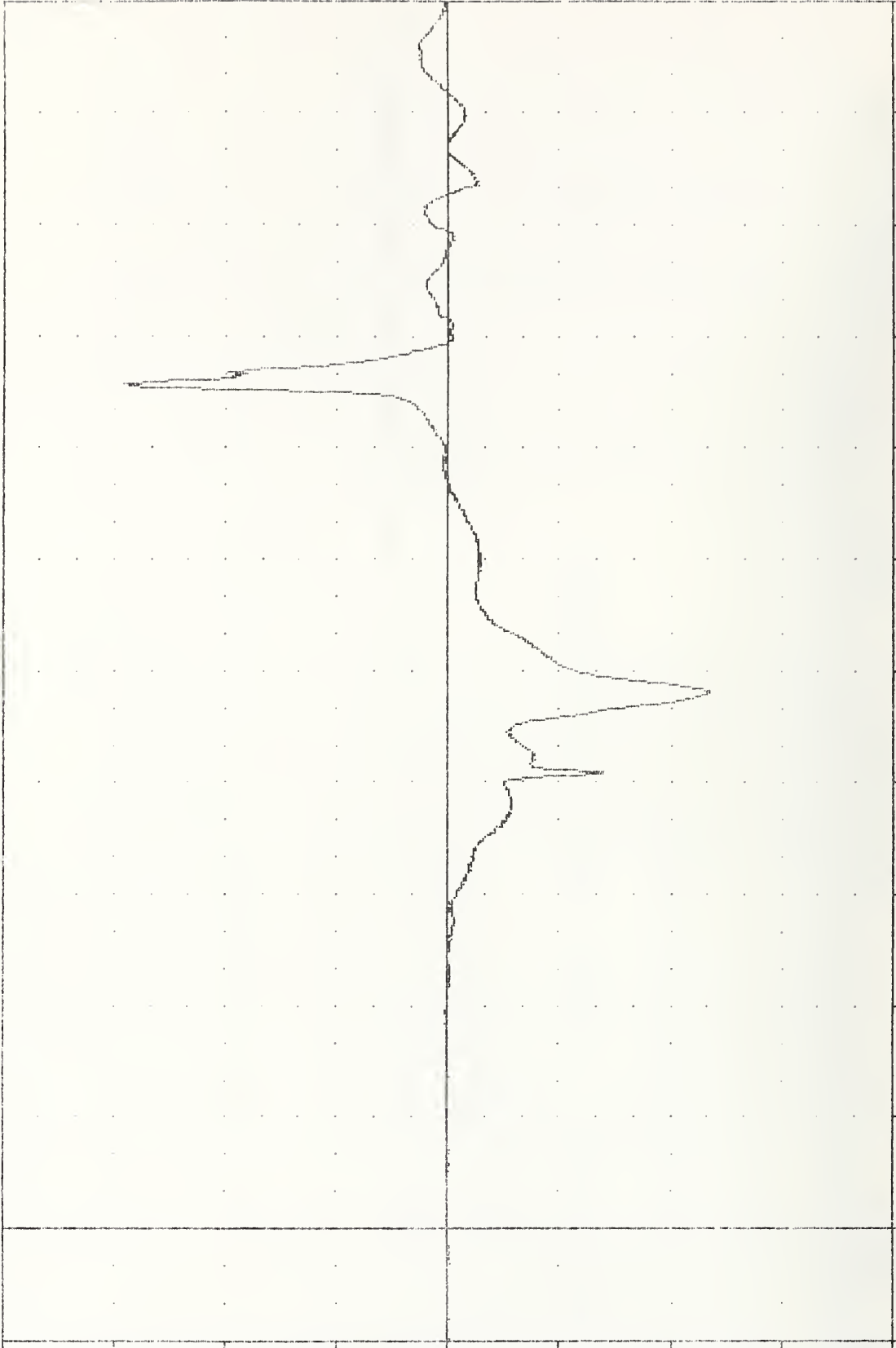
WR1C , R0384-4-15
BRED AIRBAG SLED PROGRAM
85107
HE0XG1

PLOT DATE - 18-APR-85 08:22:14

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -117.86e 145.09 e 151.25

ACCELERATION (G)



TIME (MSEC)

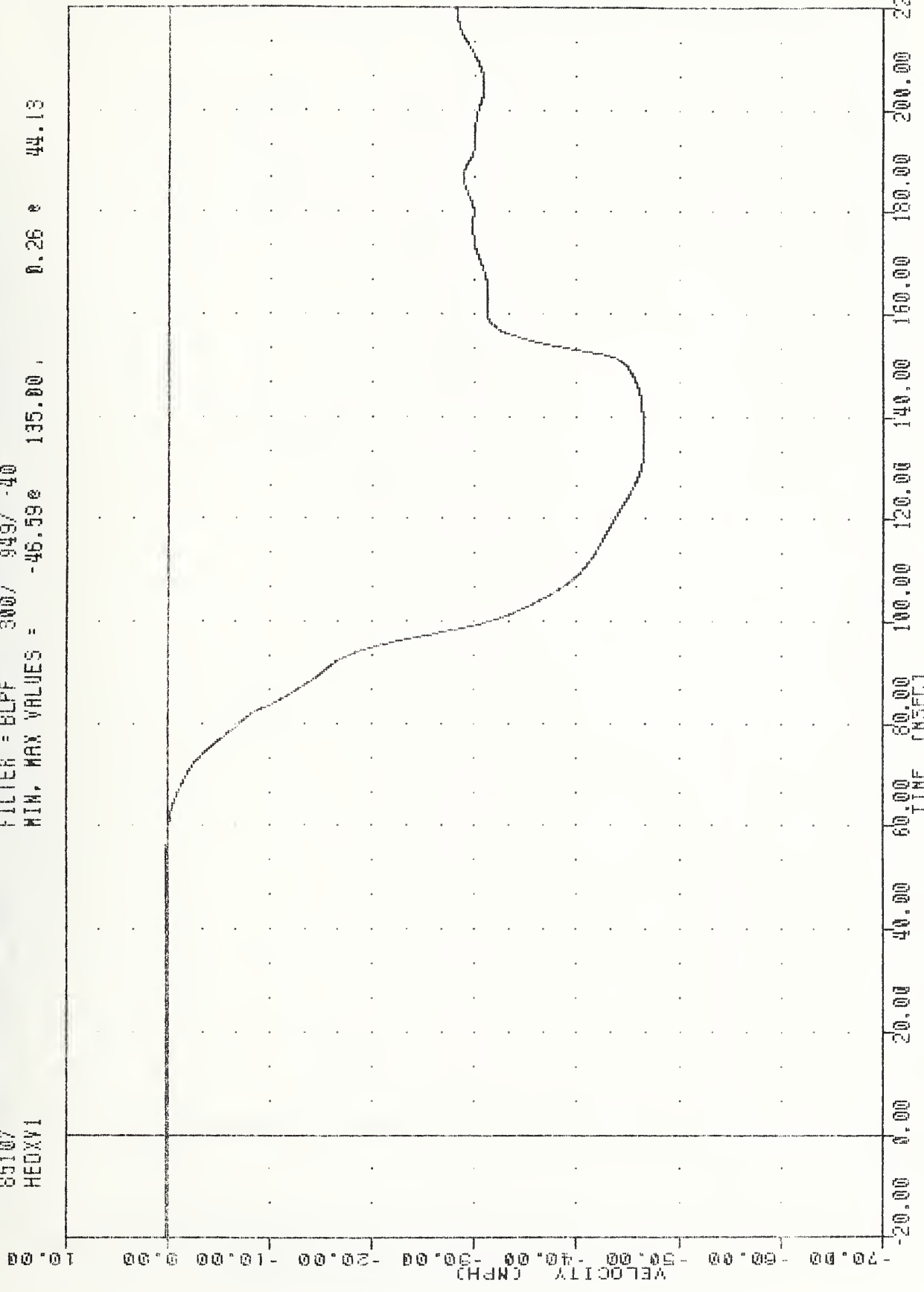
CHEVROLET IMPALB SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION (G)

WRTC . RD964-4-15
BREED AIRBAG SLED PROGRAM
85107
HEDXV1

PLOT DATE 18-APR-85 08:22:14

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -46.59e 135.00, 0.26 e 44.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING HEDXG1

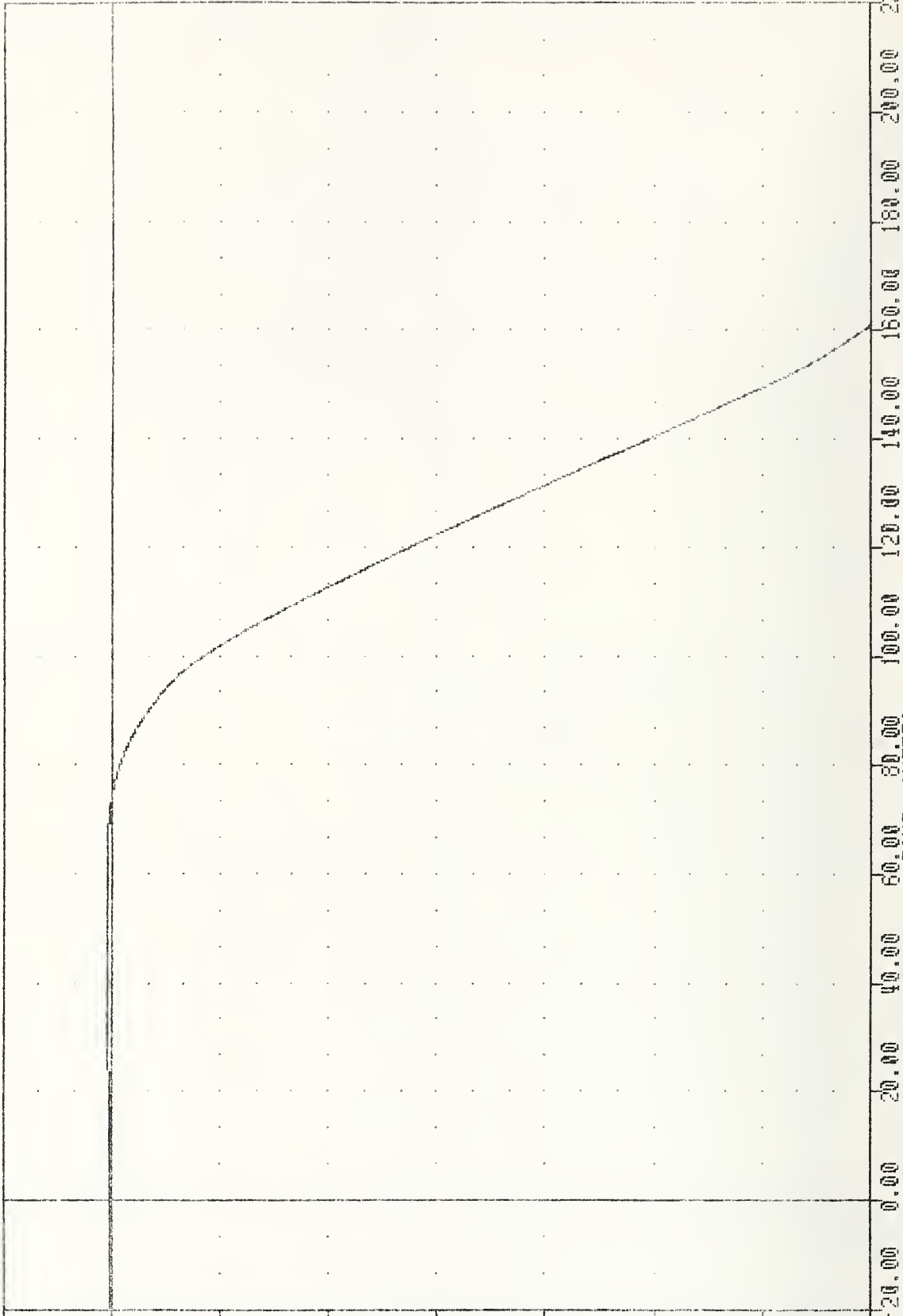
DATE : R0304-4-15
BREED AIRBAG SLED PROGRAM
85107
HEDXD1

PLOT DATE 18-APR-85 08:22:14

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -56.25% 220.00, 0.21% 57.38

DISPLACEMENT (IN)

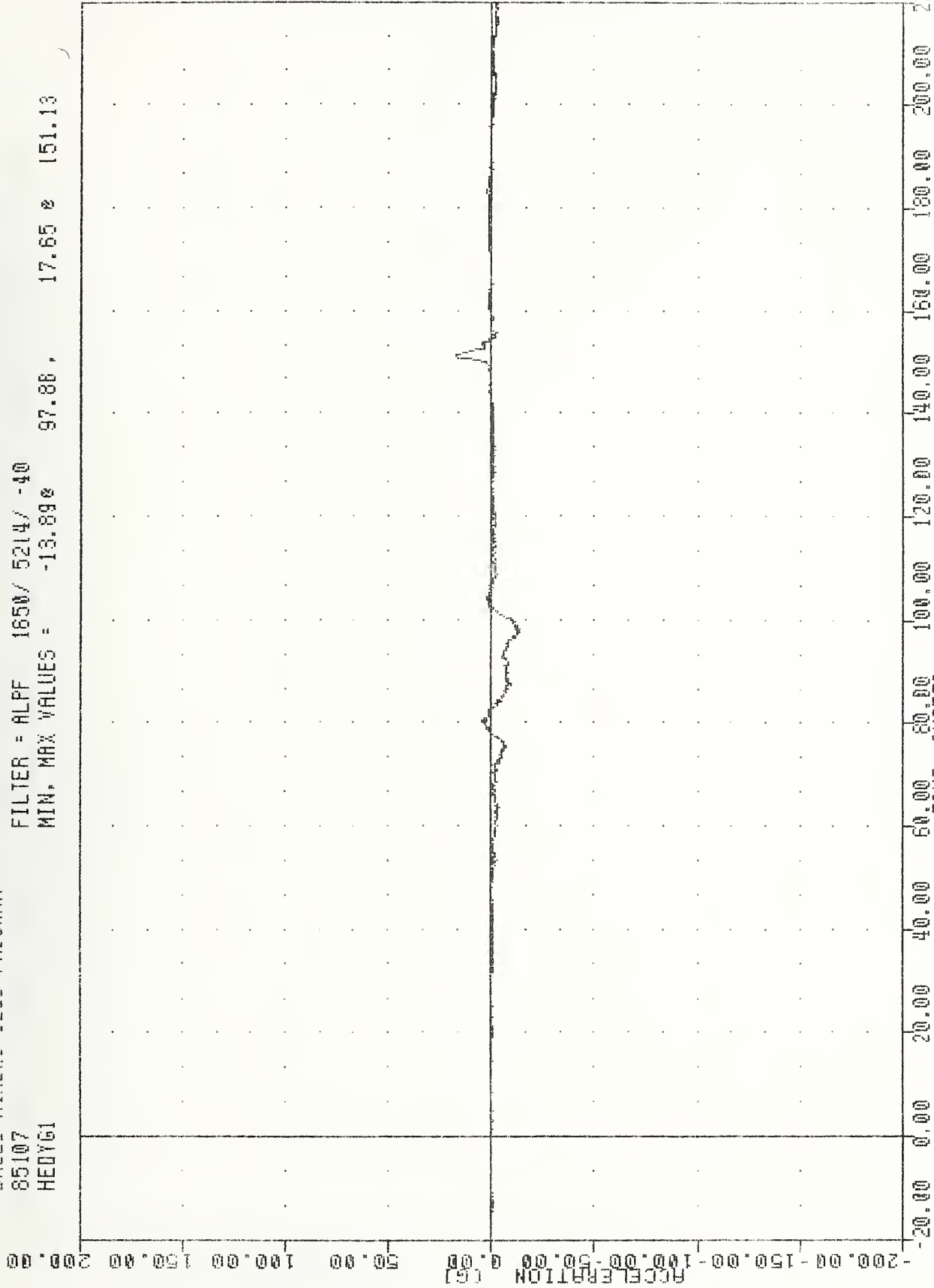


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING HEDXD1

VRTC
BASED AIRBAG SLED PROGRAM
85107
HEDY61

PLOT DATE 10-APR-85 00:22:14

FILTER = ALPF 165W/ 5214/ -40
MIN. MAX VALUES = -13.89e 97.86e 17.65e 151.13



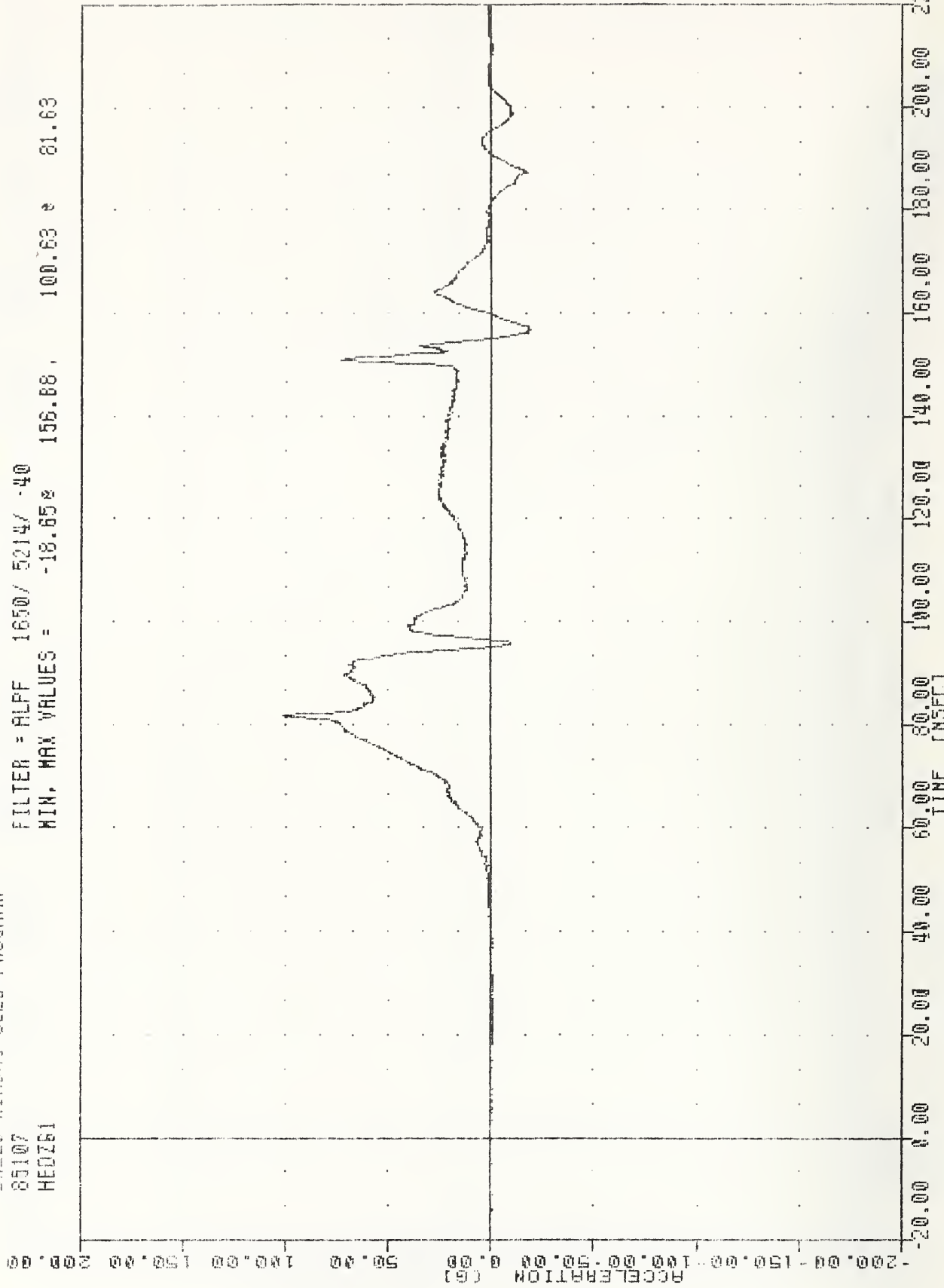
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

VATIC , 50364-4-15
BRED AIRBAG SLED PROGRAM
85107
HEADS1

PLOT DATE 18-APR-85 08:22:14

FILTER = RLFF 1650/ 5214/ -40

MIN, MAX VALUES = -18.65% 156.88, 100.63 e 81.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

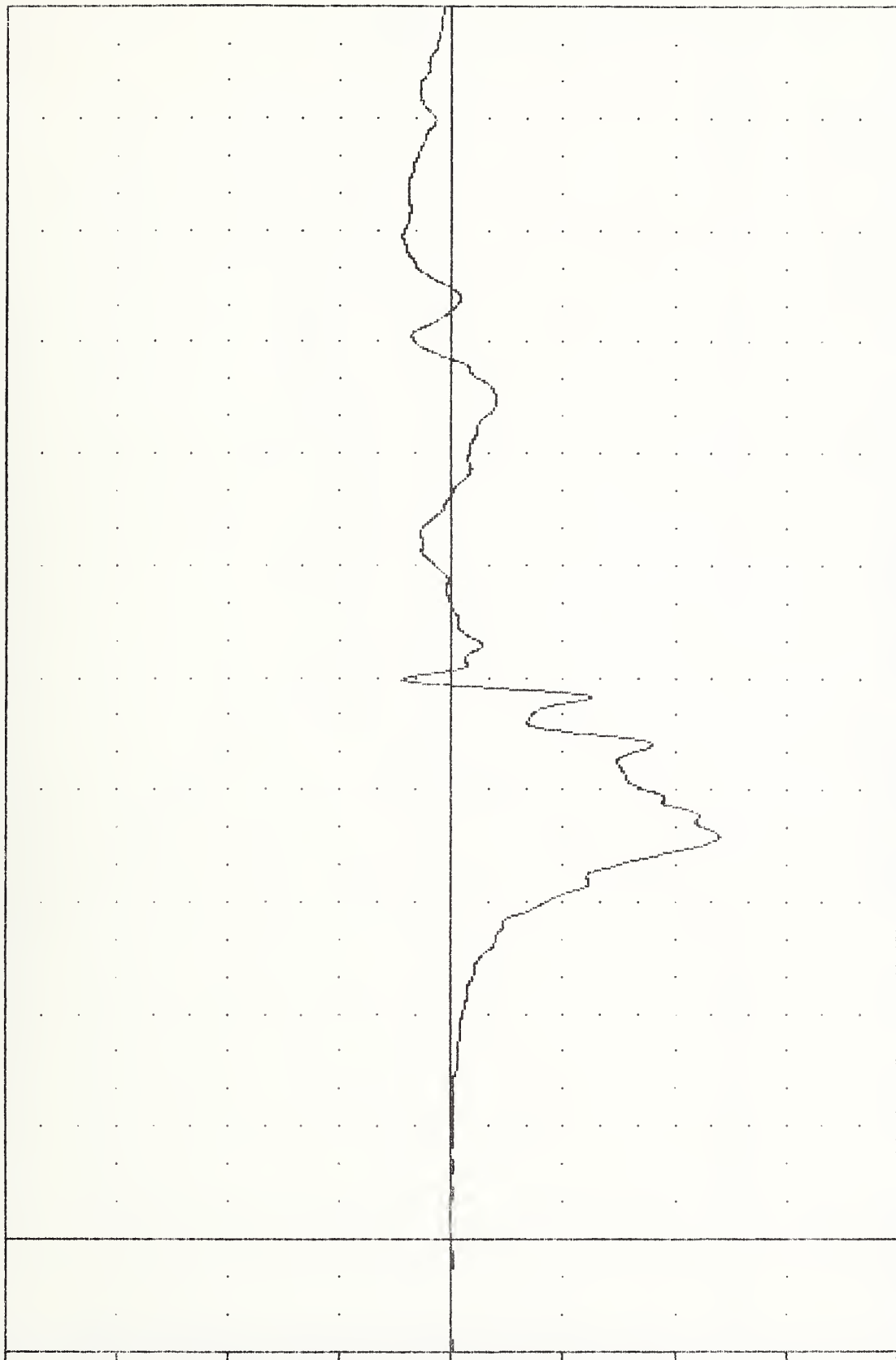
VRIC , R0384-4-15
BREED AIRBAG SLED PROGRAM
85107
CSTXG1

PLOT DATE 18-APR-85 08:22:14

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -60.07e 71.63, 11.11 e 178.88

ACCELERATION (G)



TIME (MSEC) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

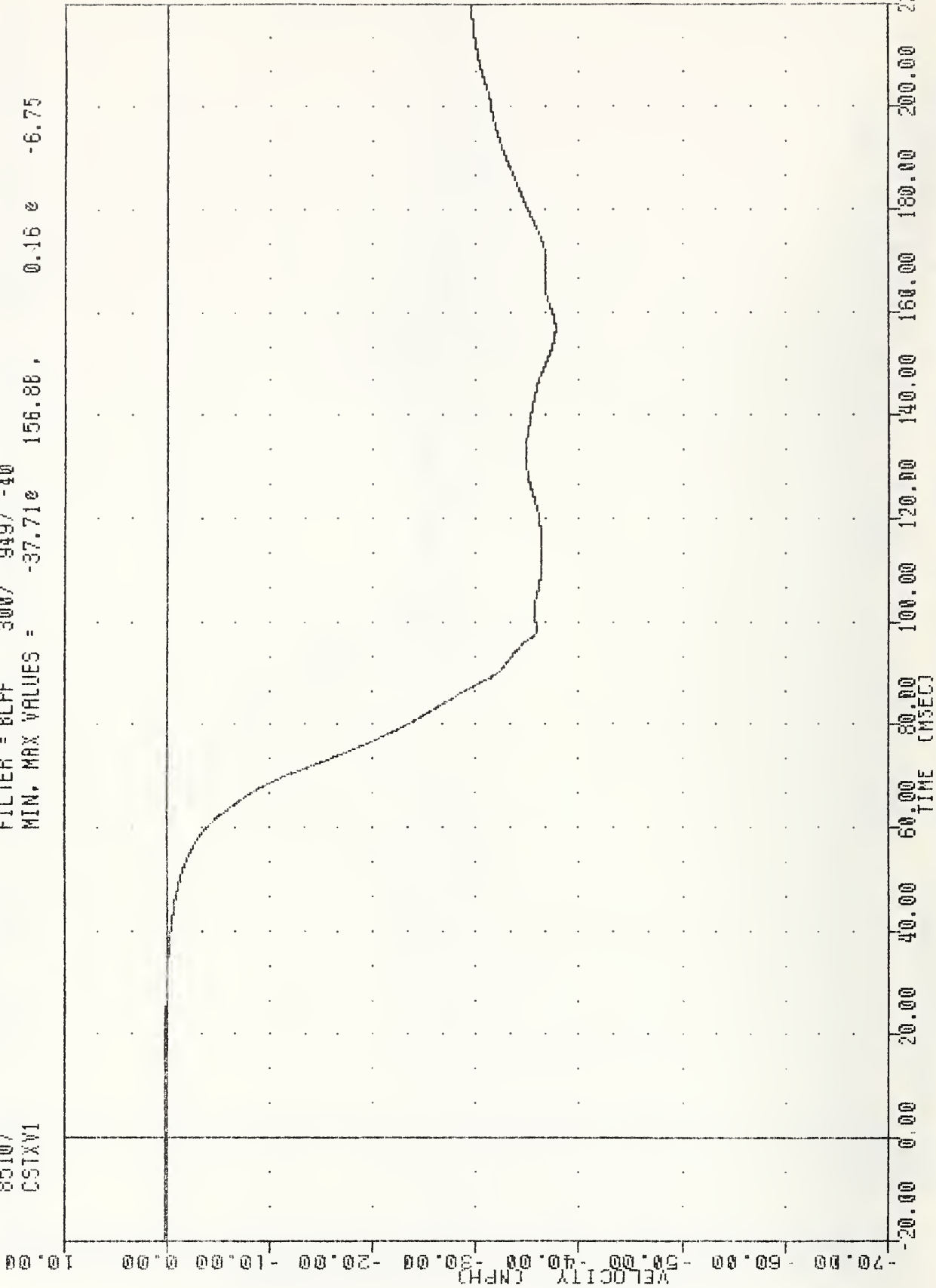
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-15
BREED AIRBAG SLED PROGRAM
85107
CSTXV1

PLOT DATE 18-APR-85 08:22:14

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.71e 156.88 , 0.16 e -6.75

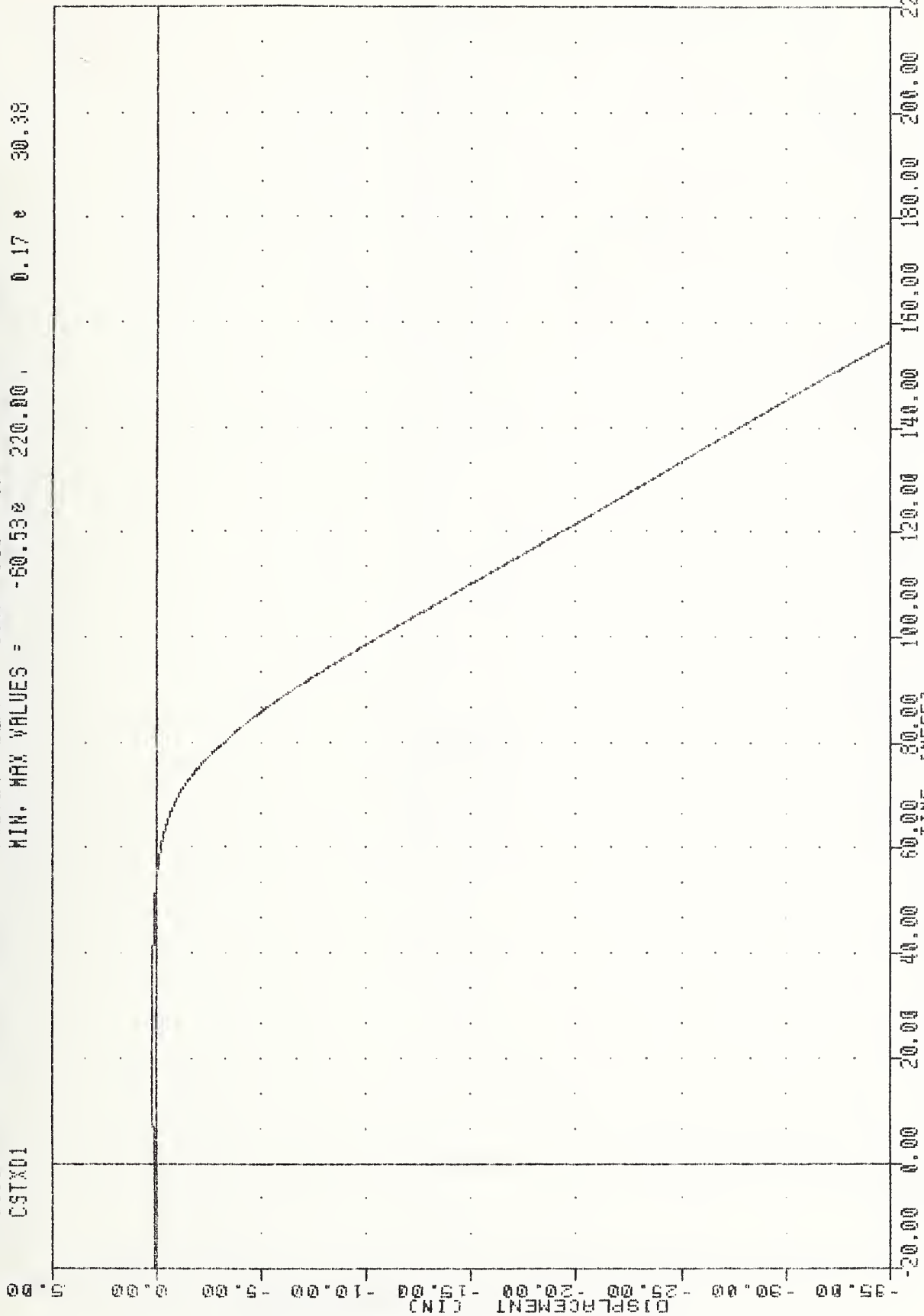


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING CSTX61

WRTC , RD884-4-15
BREED AIRRAG SLED PROGRAM
85107
CSTXD1

PLOT DATE 18-APR-85 08:22:14

FILTER = 5LPF 300/ 949/ -40
MIN. MAX VALUES = -60.53e 220.80 , 0.17 e .30.38



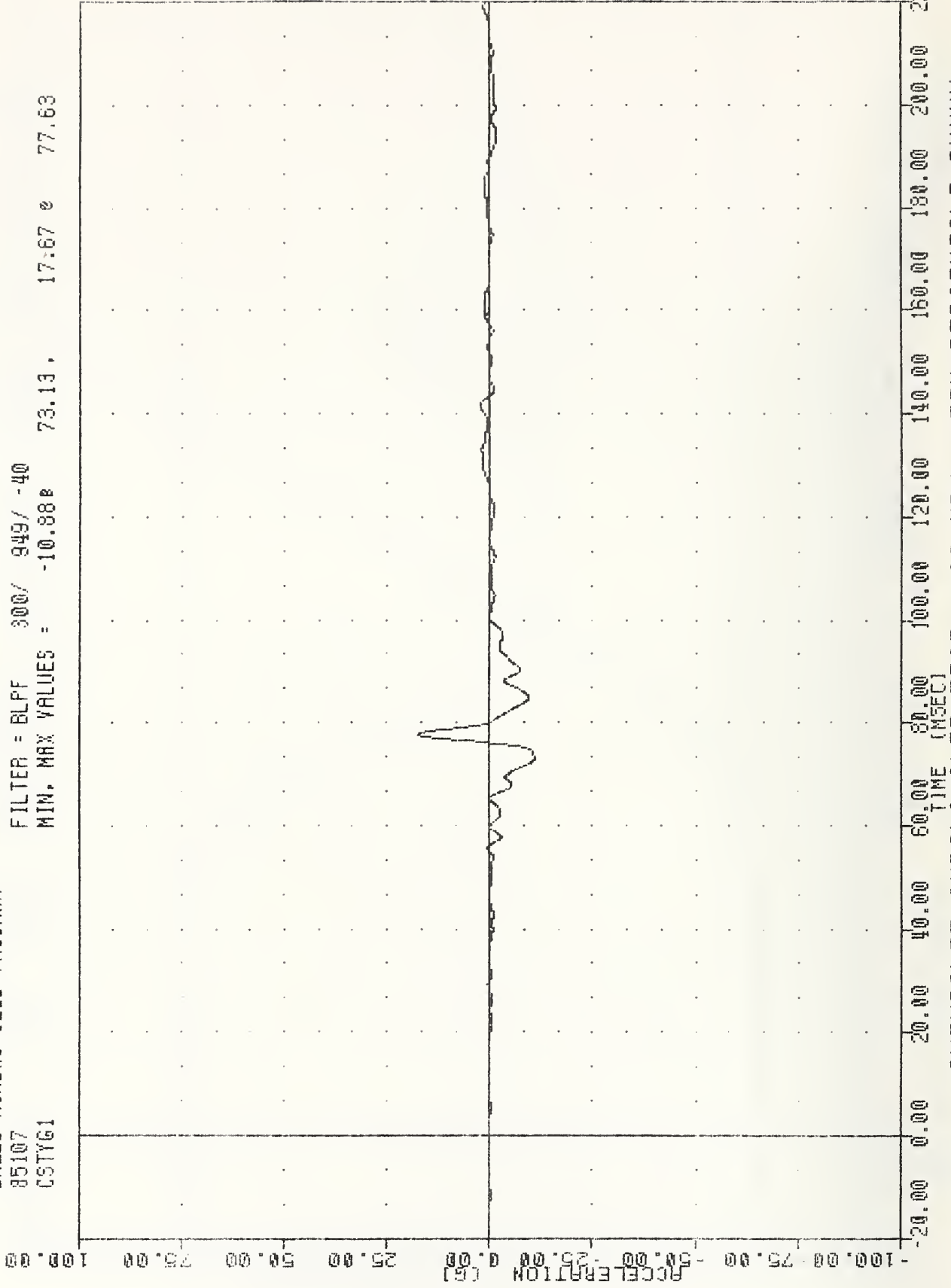
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING CSTXVI

VRTC , 80384-4-15
BREED AIRBAG SLED PROGRAM
85107
CSTYG1

PLOT DATE 18-APR-85 08:22:14

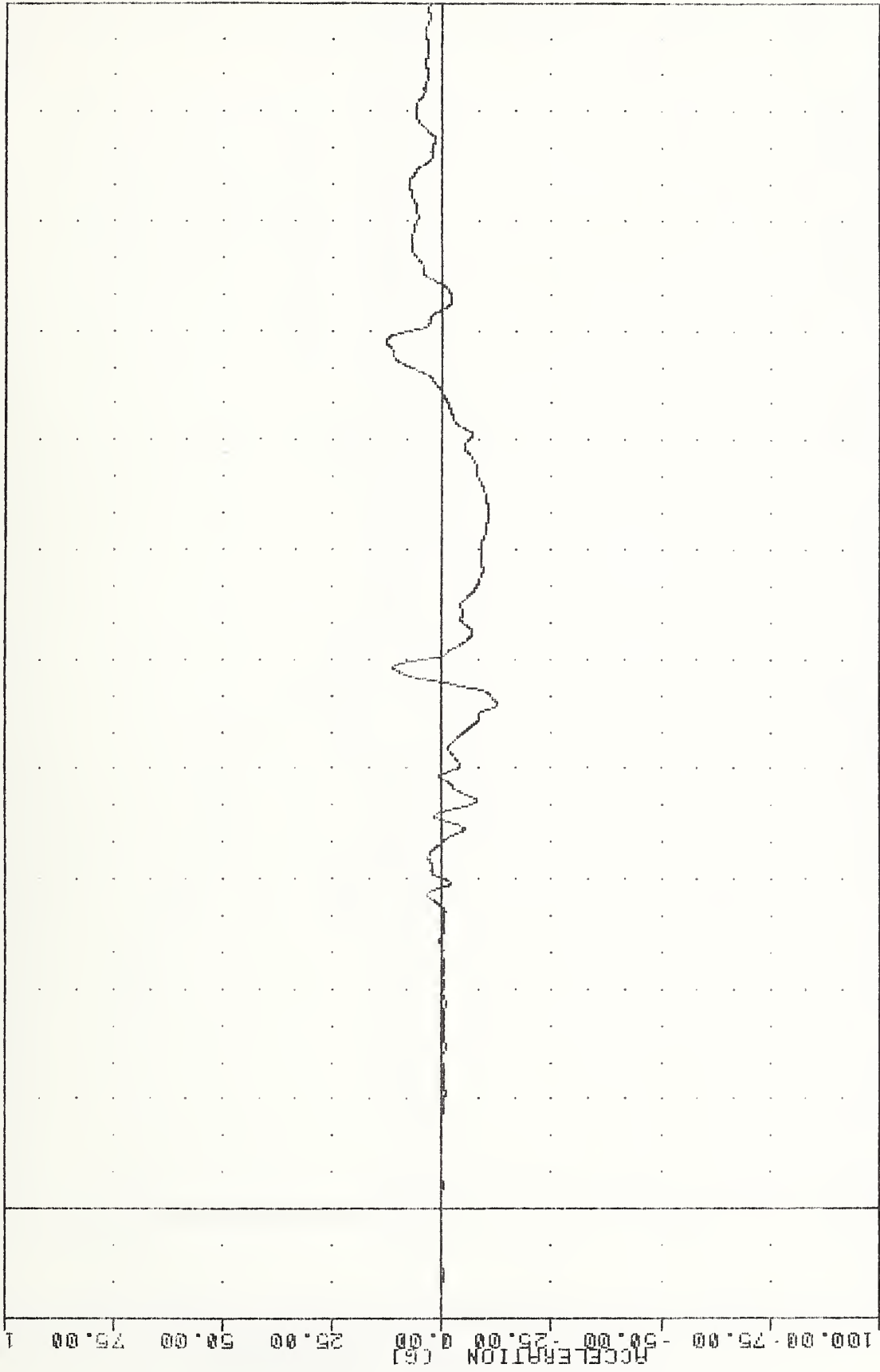
FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -10.88B 73.13 , 17.67 e 77.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

WRTC , AC364-4-15 PLOT DATE 18-APR-85 08:22:14
 BREED AIRBAG SLED PROGRAM
 85107 FILTER = 6LFF 300/ 949/ -40
 CSTZG1 MIN, MAX VALUES = -12.58e 91.75 , 12.91 e 158.00



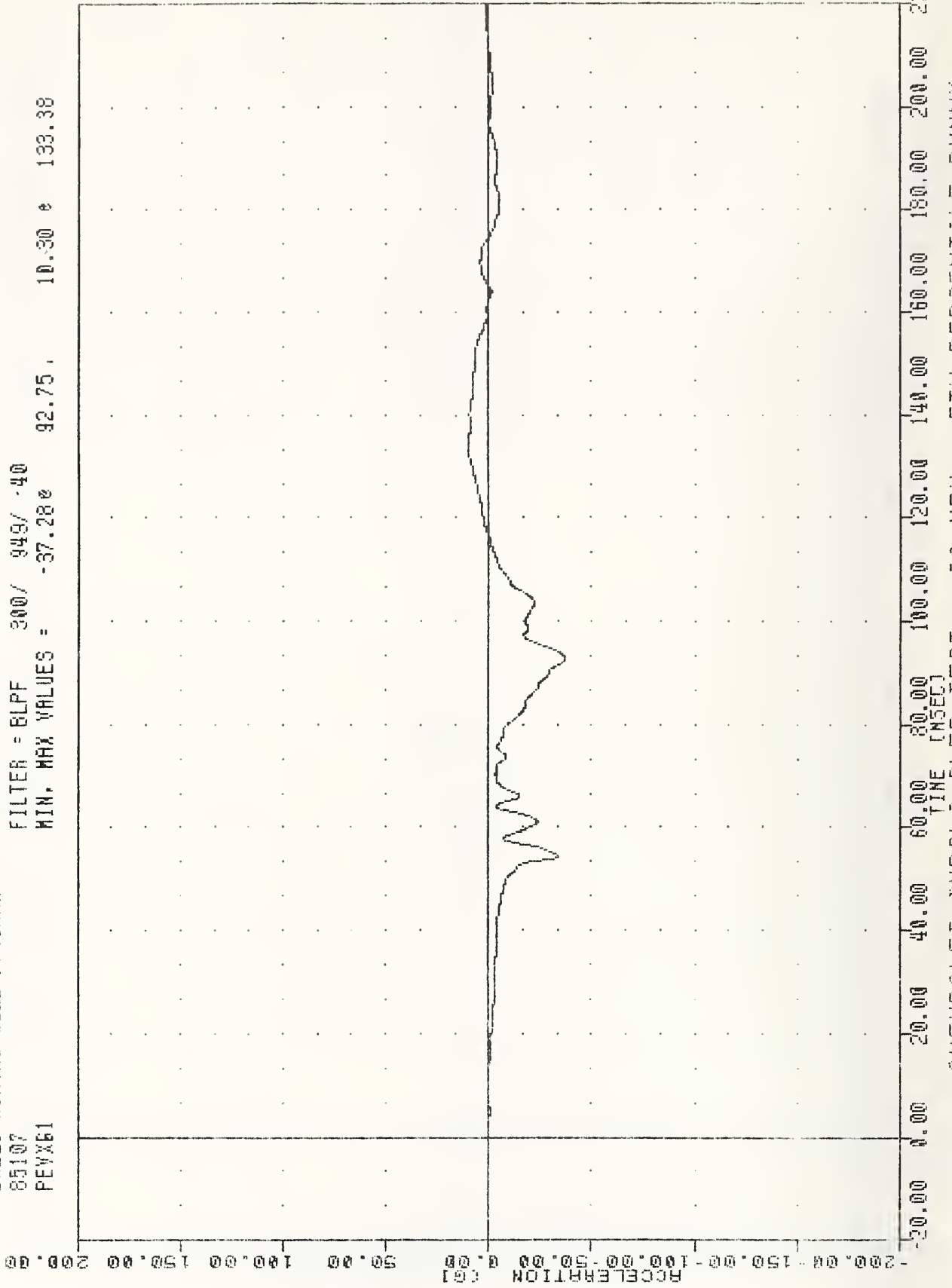
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

WATC , RD384-4-15
BREED AIRBAG SLED PROGRAM
85107
PEYX61

PLOT DATE 18-APR-85 08:22:14

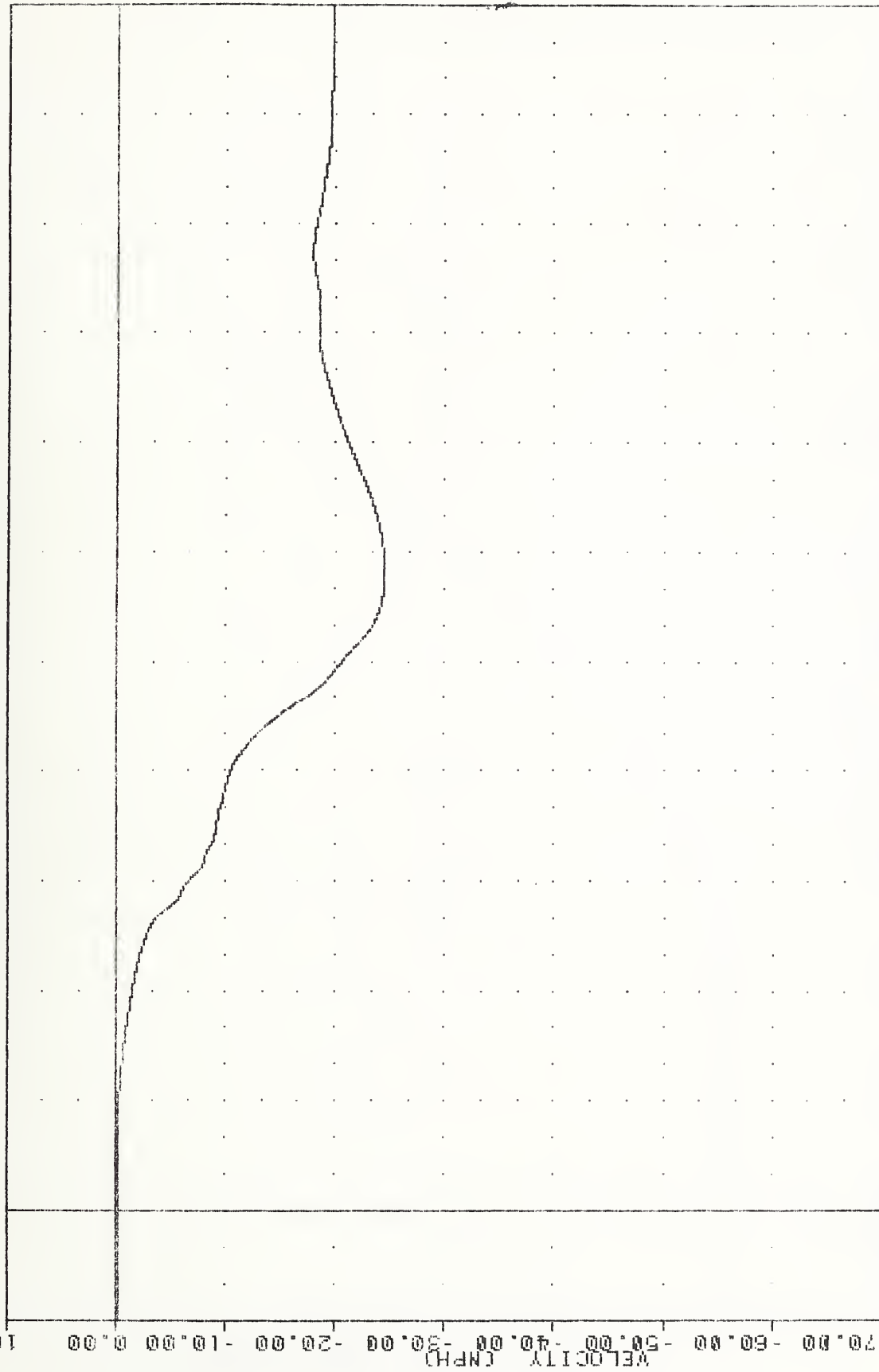
FILTER = 6LPF 300/ 949/ -40

MIN. MAX VALUES = -37.28e 92.75 , 10.30 e 133.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

WRTC , R0384-4-15 PLOT DATE 18-APR-85 08:22:14
 BREED AIRBAG SLED PROGRAM
 85107
 PEVXV1
 FILTER = 6LFF 300/ 949/ -40
 MIN. MAX VALUES = -24.50e 116.50 , -0.19 e 1.25



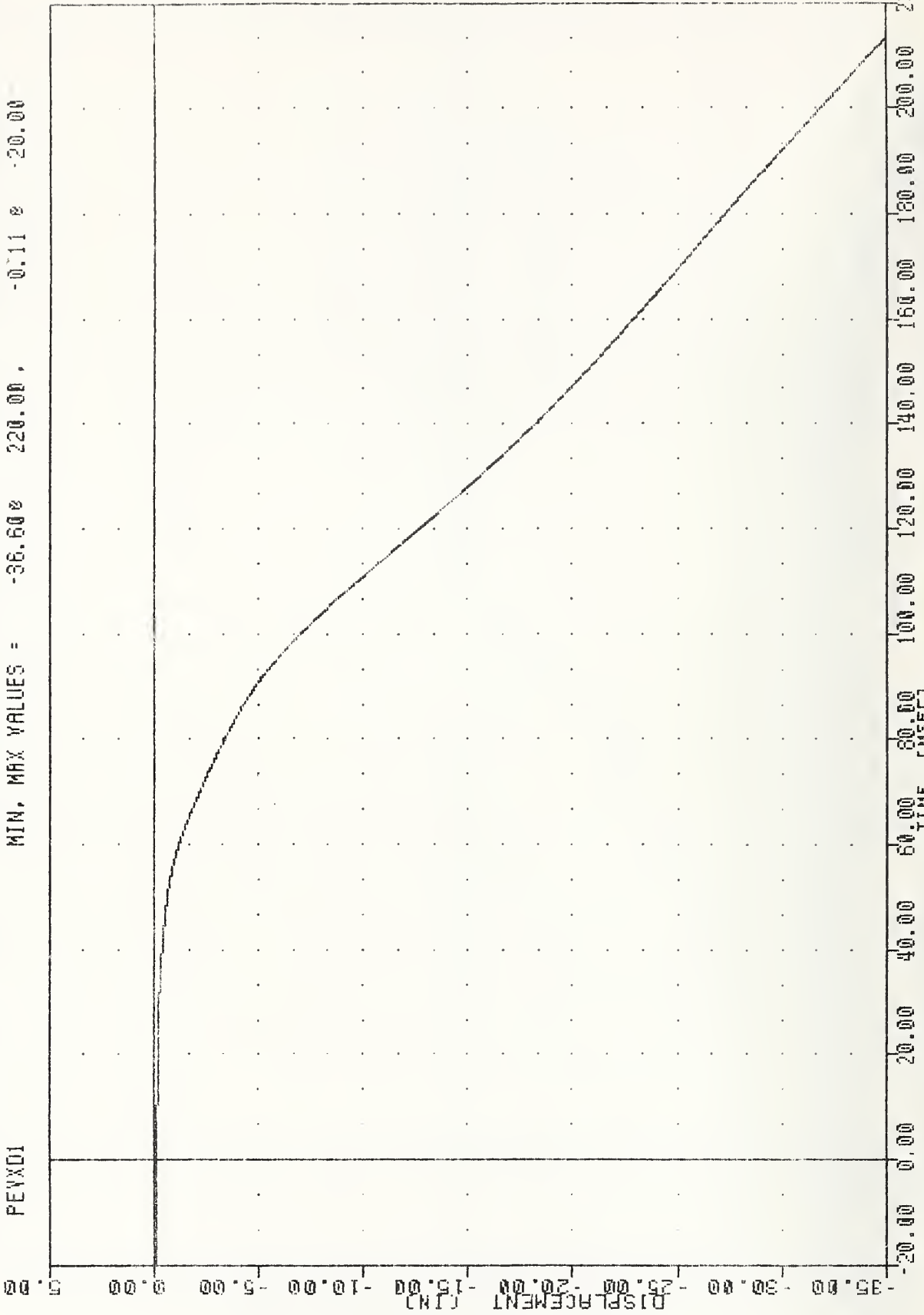
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRIC , RD384-4-15
BREC AIRBAG SLED PROGRAM
85107
PEXX01

PLOT DATE 18-APR-85 08:22:14

FILTER = 8LFF 300/ 949/ -40

MIN, MAX VALUES = -36.60e 220.00, -0.11 e -20.00

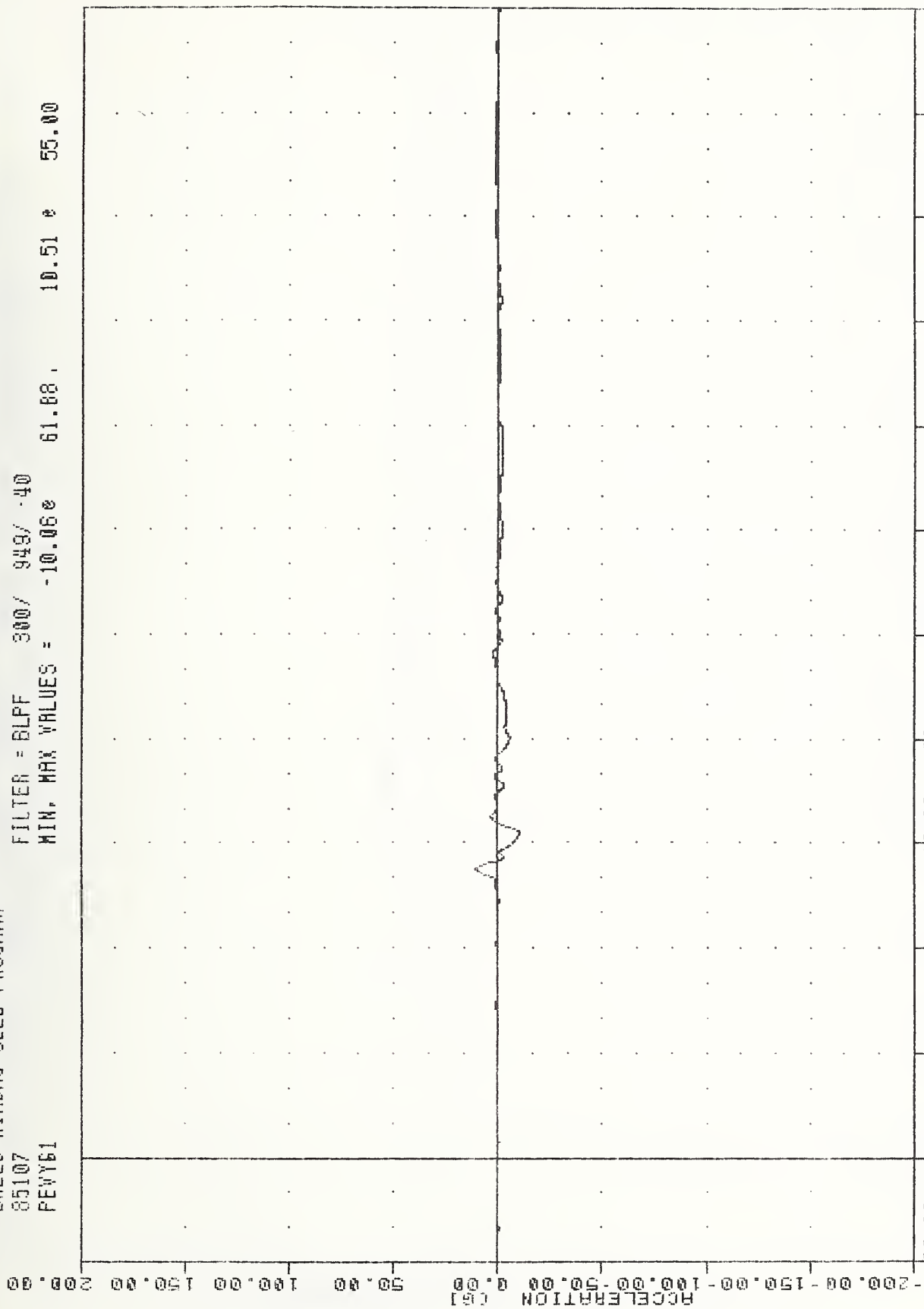


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING PEXX01

V8TC RD384-4-15
BREED RIABAS SLED PROGRAM
85107
PEVY61

PLOT DATE 18-APR-85 08:22:14

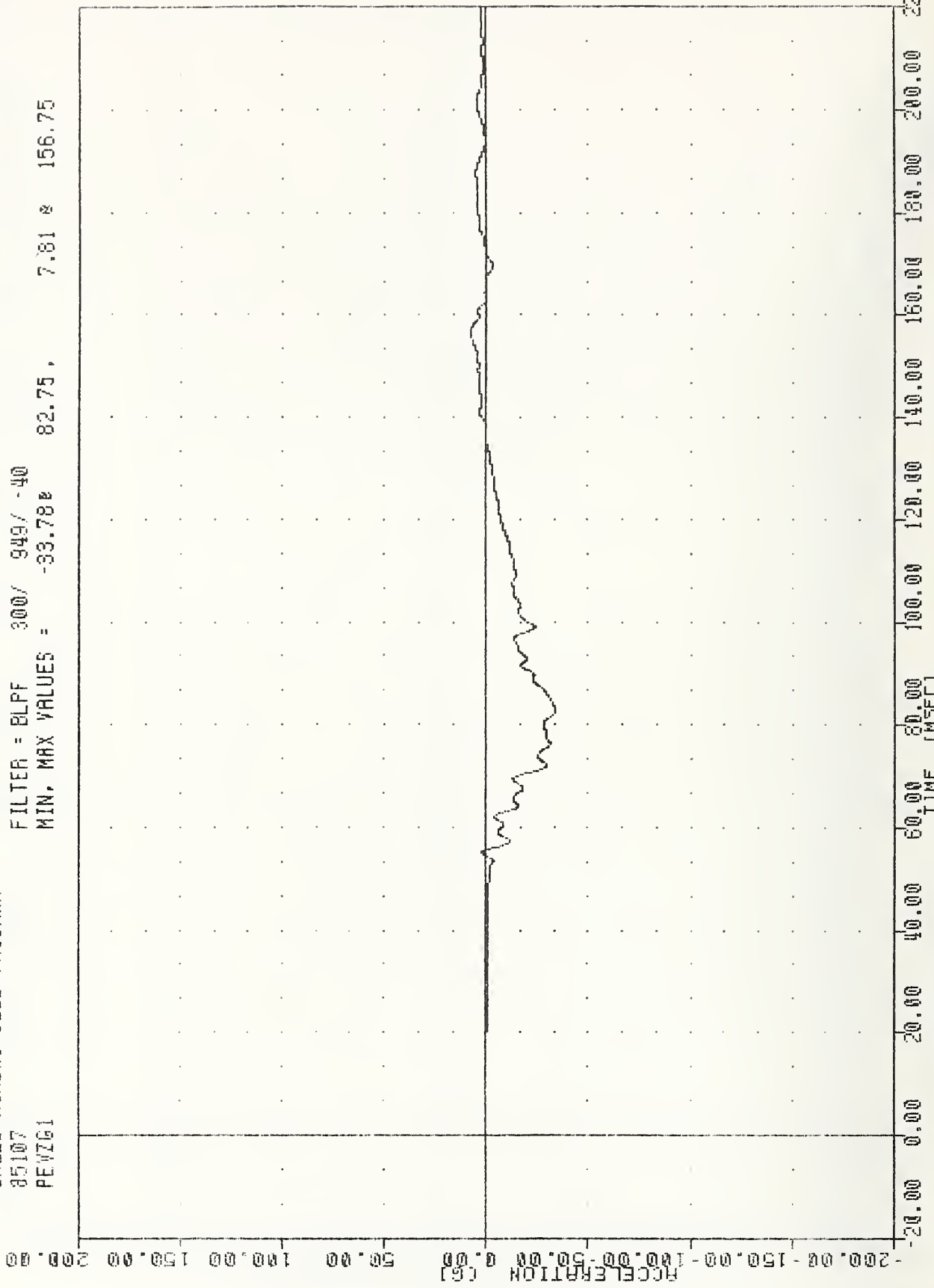
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -10.06e 61.68 , 10.51 e 55.00



-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
ACCELERATION (G)
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

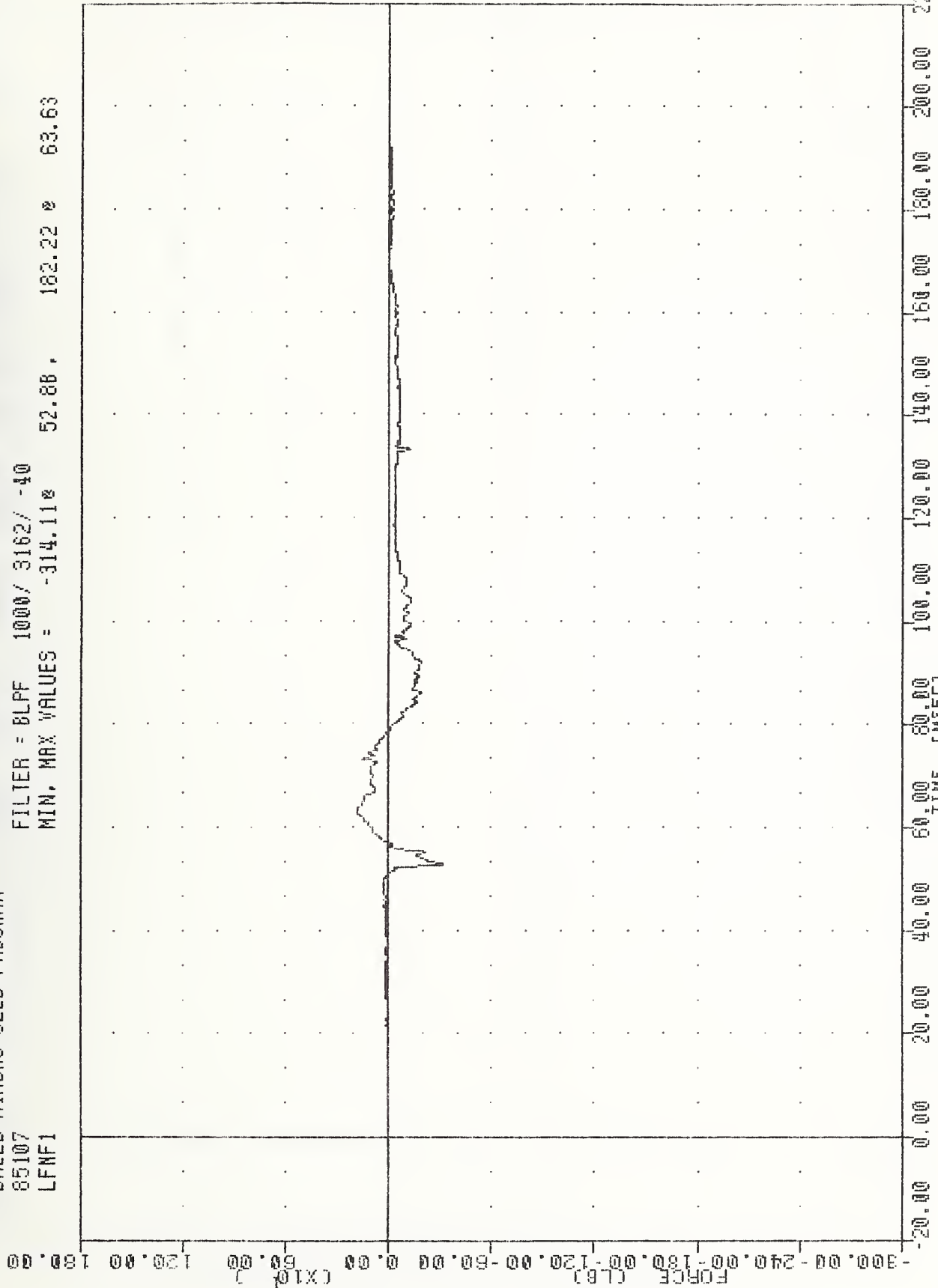
VATIC , R0384-4-15
BREED AIRBAG SLED PROGRAM
85107
PEVZG1

PLOT DATE 18-APR-85 08:22:14
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -93.78e 82.75, 7.81 e 156.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

VRIC , RD384-4-15 PLOT DATE 18-APR-85 08:22:14
 BREED AIRBAG SLED PROGRAM
 85107 FILTER = BLPF 1000/ 3162/ -40
 LFNF1 MIN. MAX VALUES = -314.11% 52.88 , 182.22 % 63.63



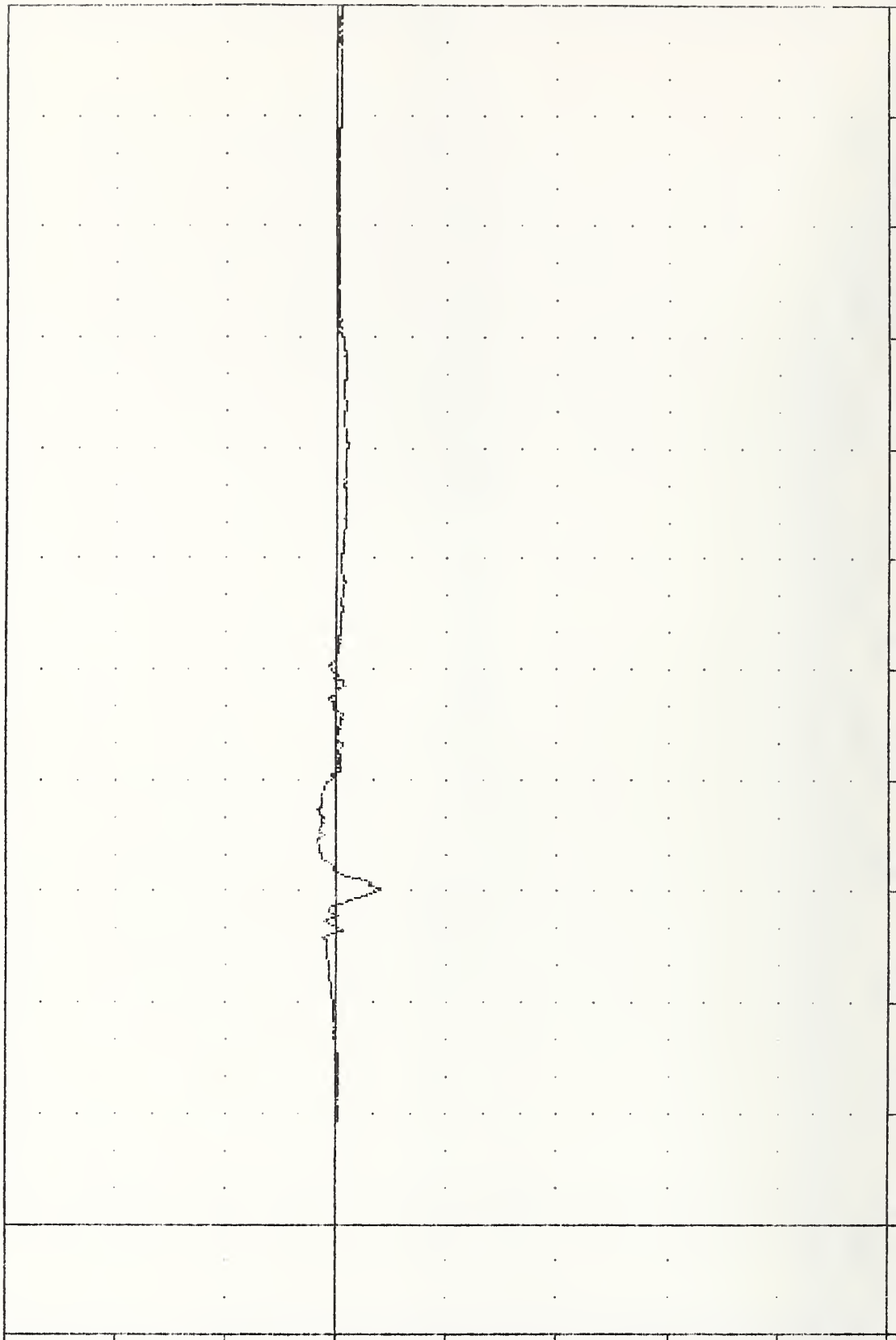
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

WATC , RD384-4-15
SPEED AIRBAG SLED PROGRAM
65107
RFMF1

PLOT DATE 18-APR-85 08:22:14

FILTER = 6LPF 1000/ 3162/ -40
MIN. MAX VALUES = -244.02e 60.25 , 106.46 e 68.68

FORCE (LB) (X10³)



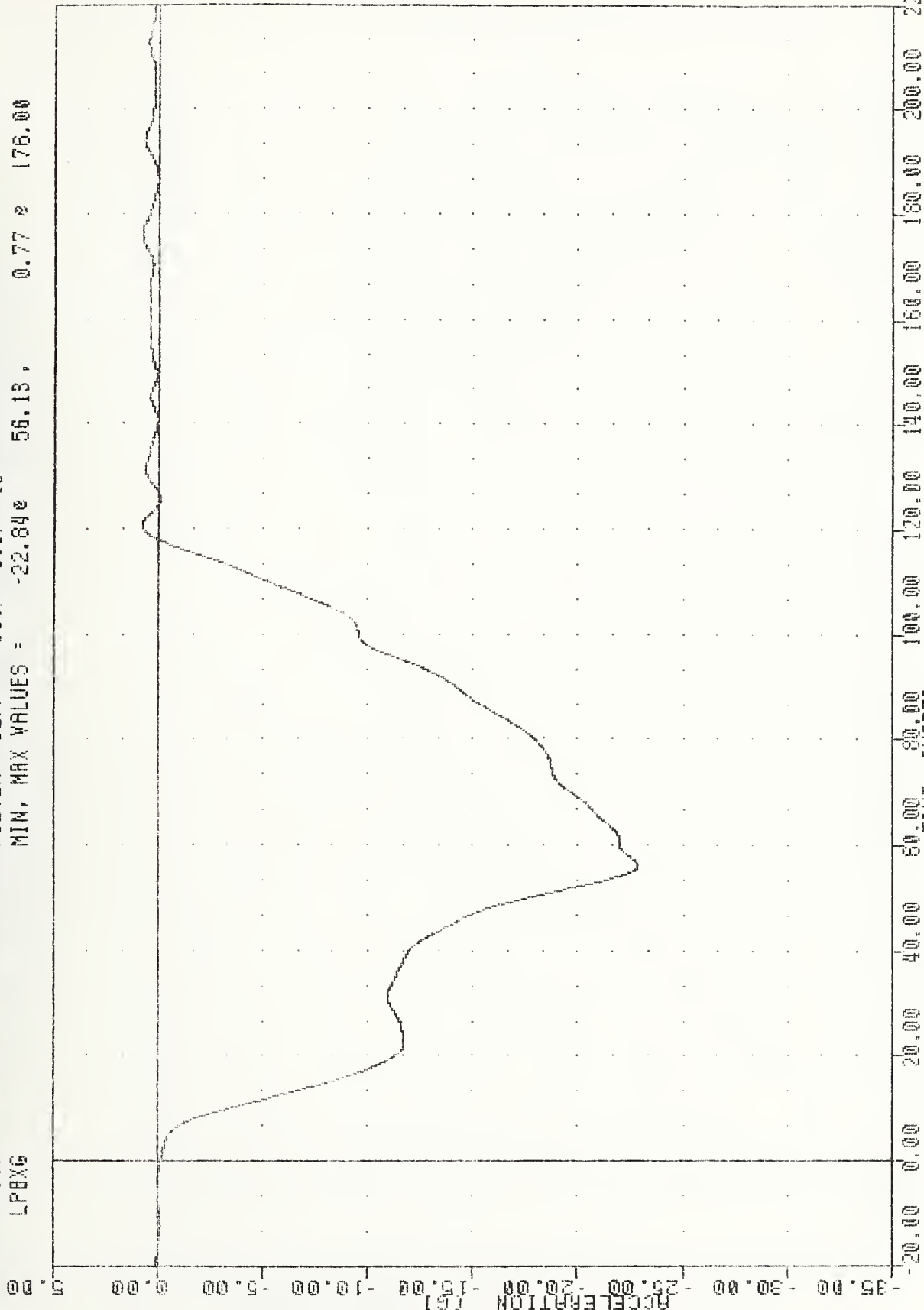
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VATIC , R0384-4-15
BREED AIRBAG SLED PROGRAM
85107
LPBXG

PLOT DATE 18-APR-85 08:22:14

FILTER = 6LFF 100/ 316/ -40

MIN, MAX VALUES = -22.84e 56.13, 0.77 e 176.00



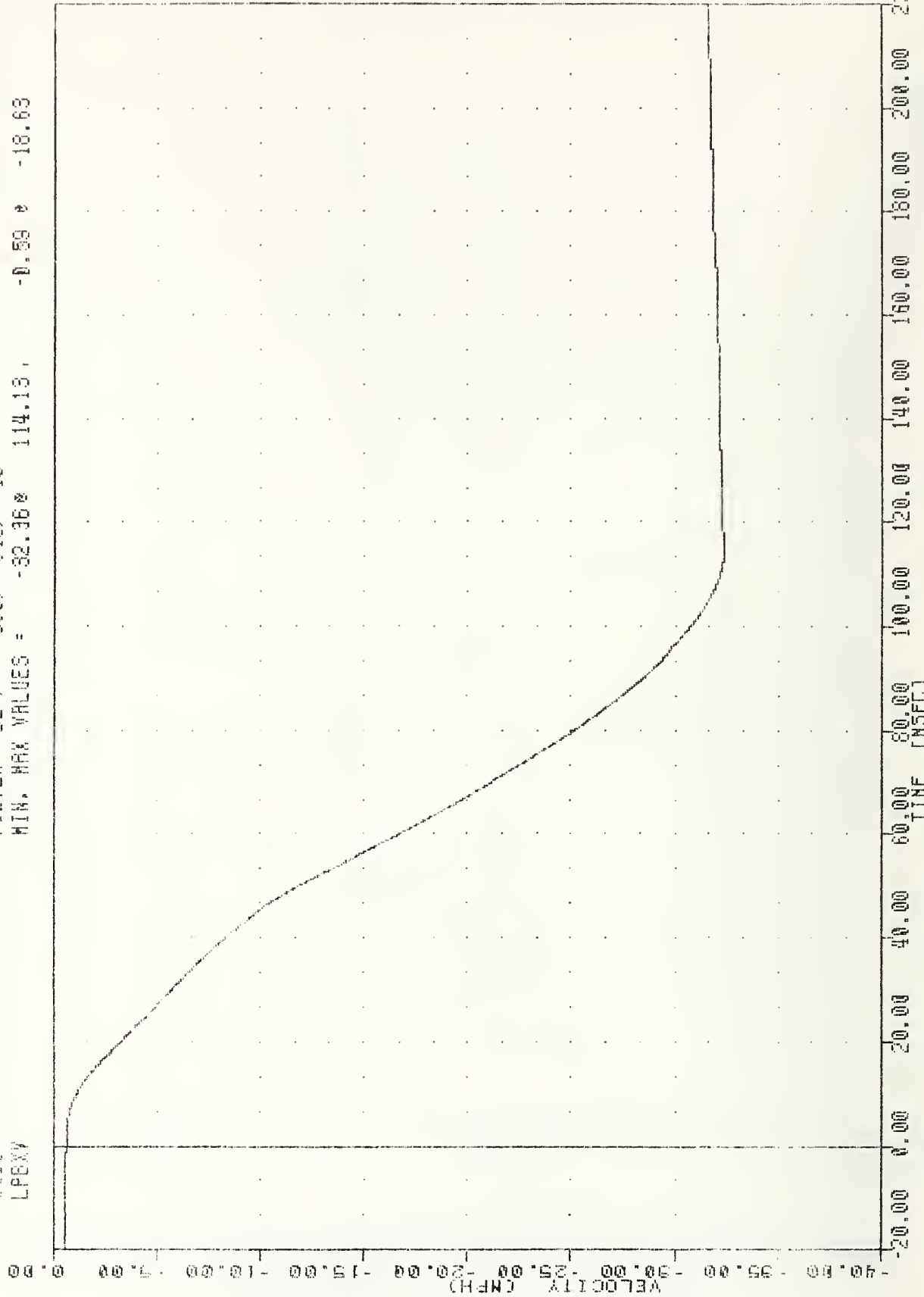
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VEHICLE: 80.84-4-15
SPEED AIRBAG SLED PROGRAM
05107
LPEXY

PLOT DATE: 16-APR-85 06:22:14

FILTER - BLPF 300/ 949/ -40

MIN. MAX VALUES = -32.36e 114.13 -0.59 e -18.63



0.00 5.00 10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00 65.00 70.00 75.00 80.00 85.00 90.00 95.00 100.00 105.00 110.00 115.00 120.00 125.00 130.00 135.00 140.00 145.00 150.00 155.00 160.00 165.00 170.00 175.00 180.00 185.00 190.00 195.00 200.00 205.00 210.00 215.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING LPEXY

VRTC , R0384-4-15 PLOT DATE 18-APR-85 08:22:14

BREED AIRBAG SLED PROGRAM

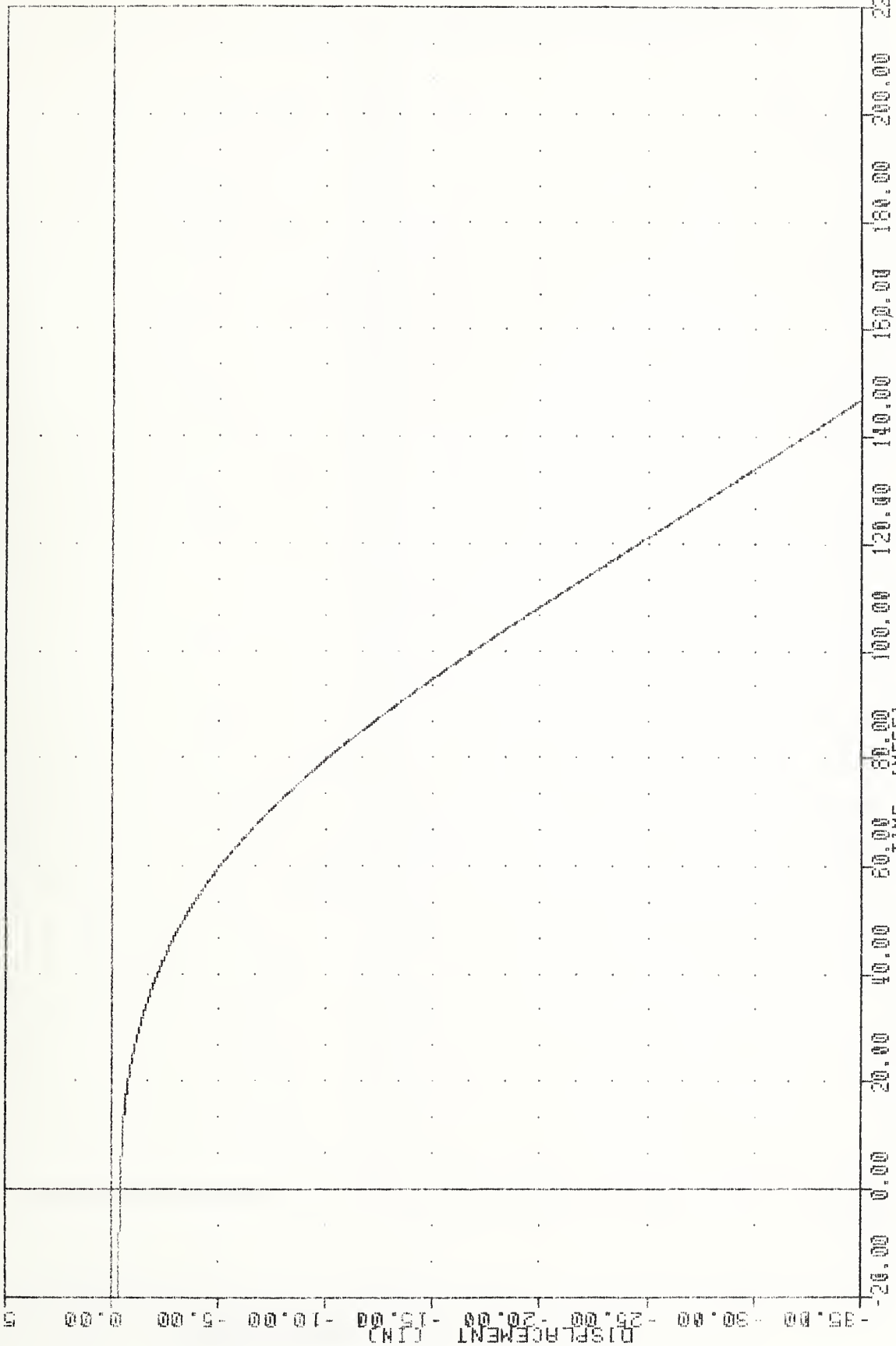
25107

LPBXD

FILTER = SLPF 300/ 949/ -40

MIN, MAX VALUES = -62.96% 220.00 , -0.31 % -20.00

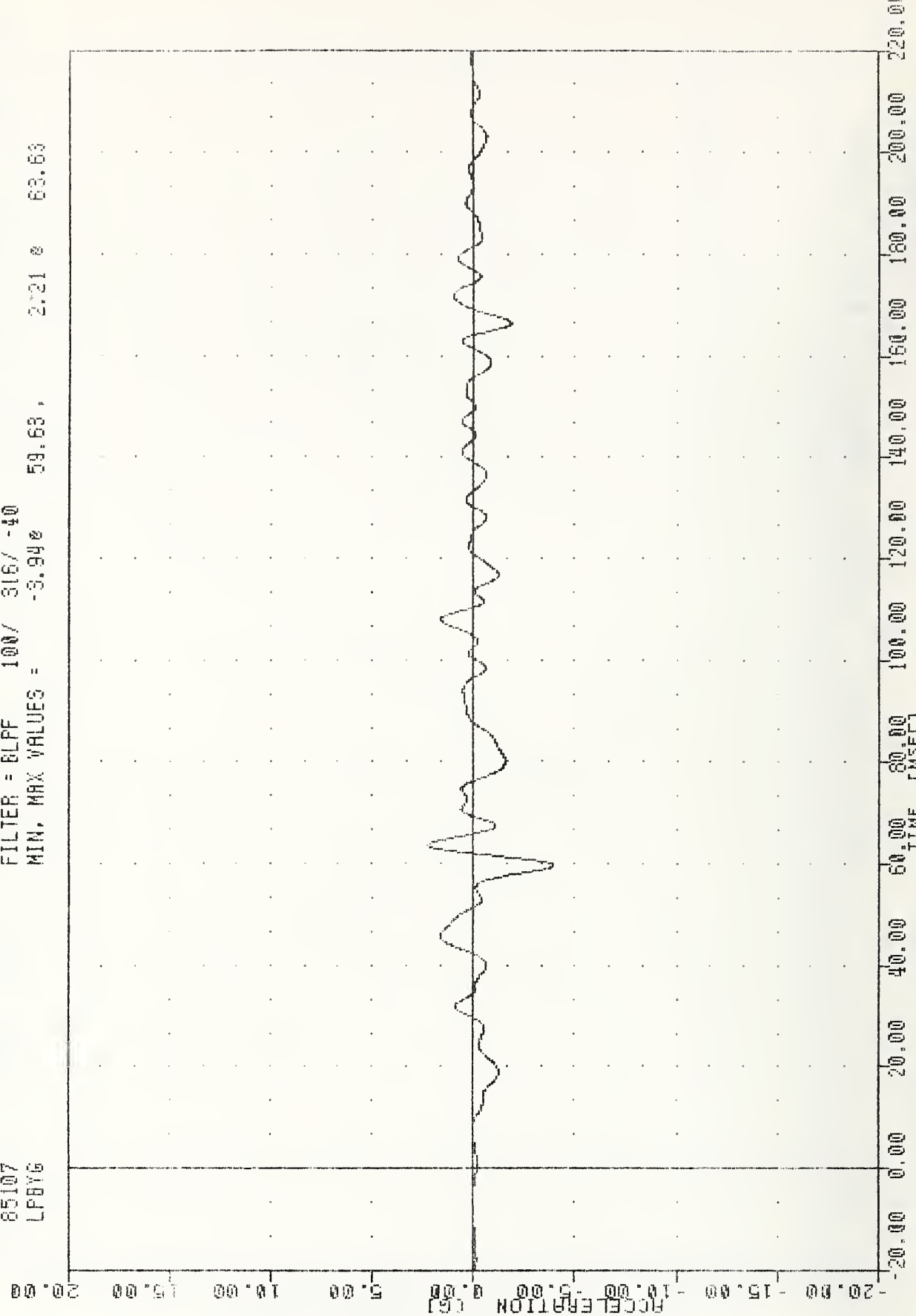
5.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA X USING LPBXD

VATIC , RD504-4-15
SABED AIRBAG SLED PROGRAM
05107
LPBYG

PLOT DATE 18-APR-85 06:22:14
FILTER = 8LPF 100/ 316/ -40
MIN, MAX VALUES = -3.94% 59.63, 2.21% 63.63

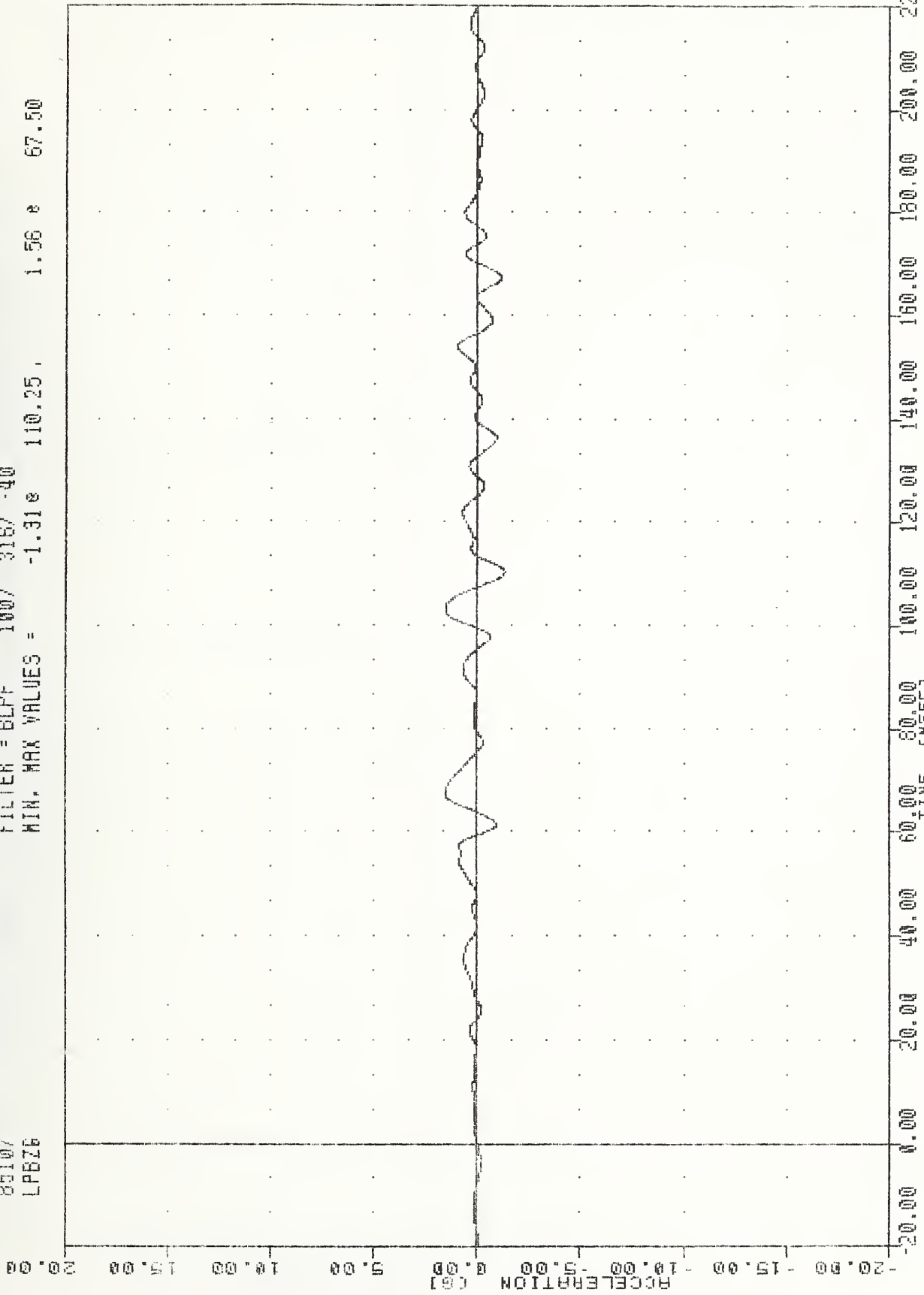


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-15
BREED AIRBAG SLED PROGRAM
85107
LPBZ6

PLOT DATE 18-APR-85 08:22:14

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -1.31g 110.25 , 1.56 g 67.50



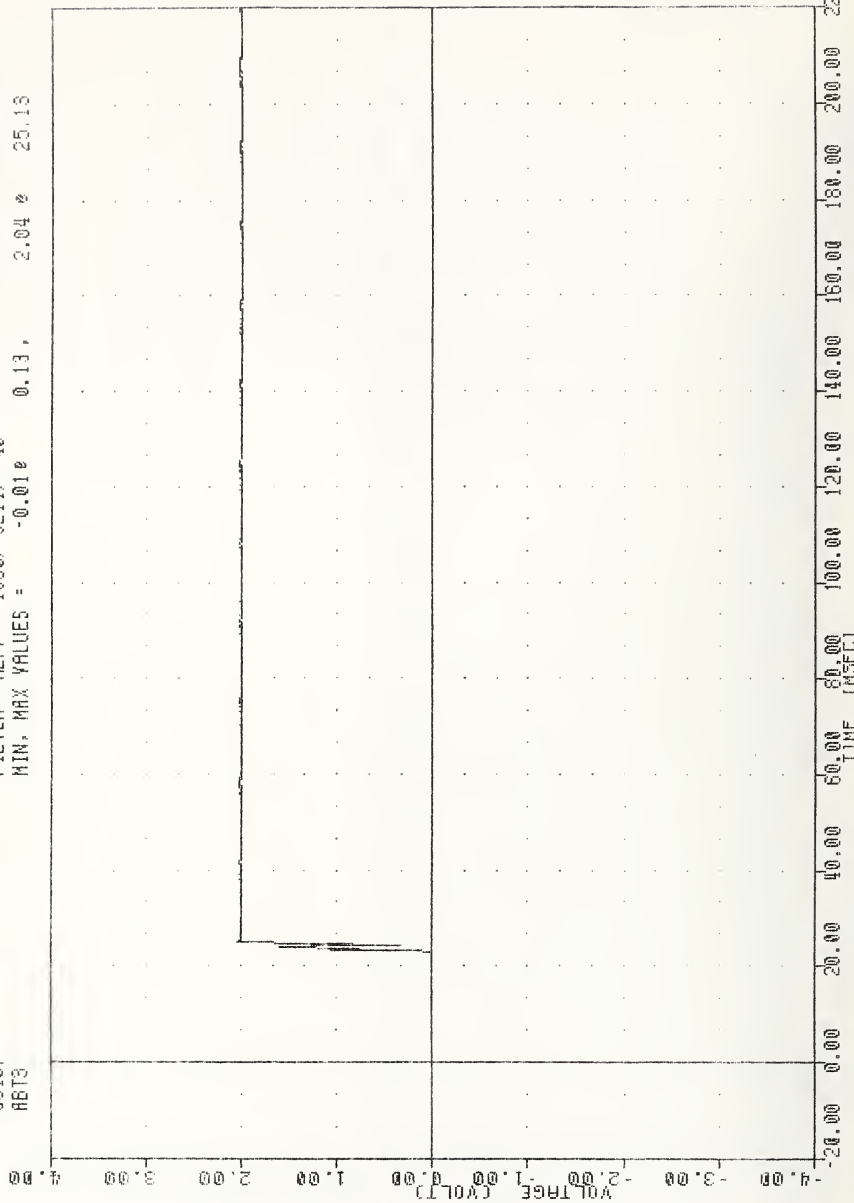
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC R0304-4-15
BREED AIRBORN SLED PROGRAM
05107
ABTS

PLOT DATE 18-APR-85 08:22:14

FILTER = ALFF 1650/ 5214/ -40

MIN. MAX VALUES = -0.01e 0.13, 2.04 e 25.13

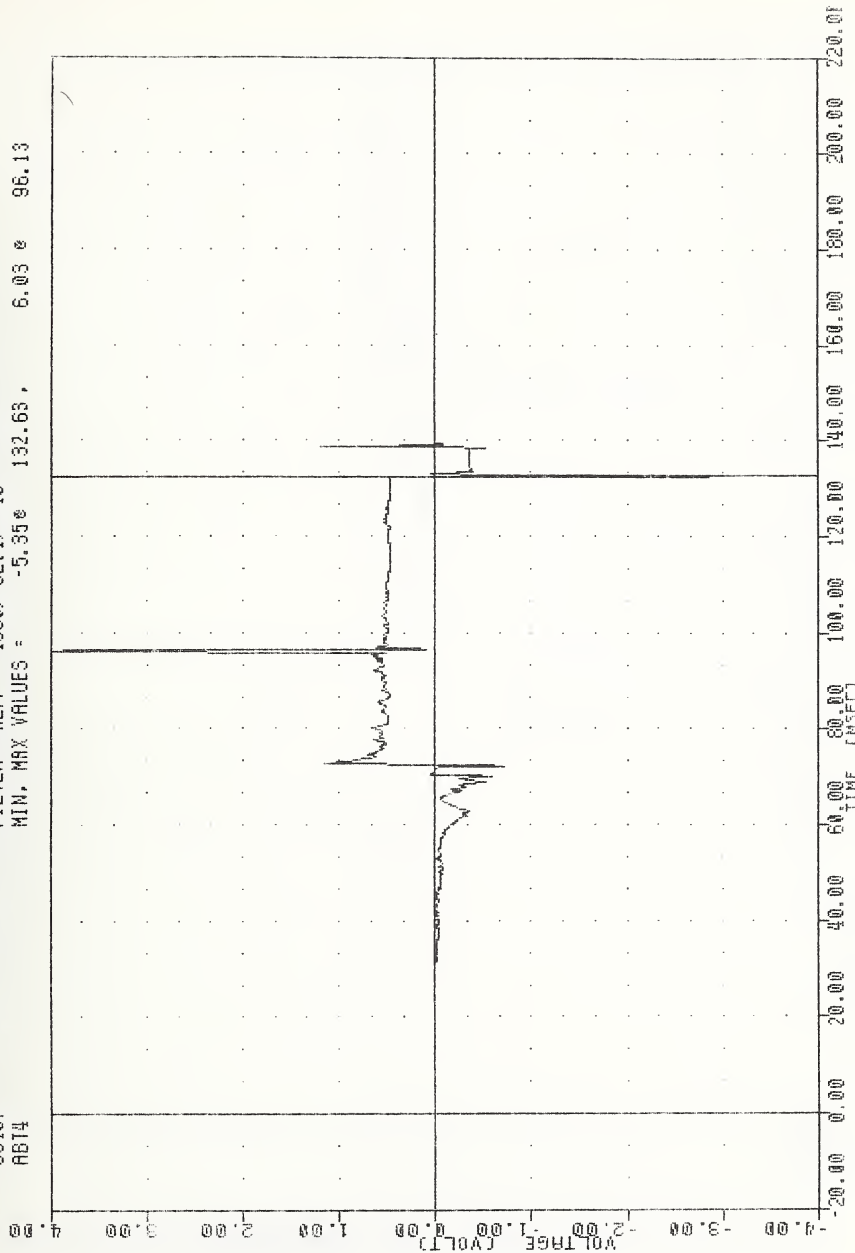


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR

VRTIC R0384-4-15
BREEED AIRBAG SLED PROGRAM
85107
ABT4

PLOT DATE 18-APR-85 08:22:14

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -5.35e 132.63, 6.03 e 96.13



69

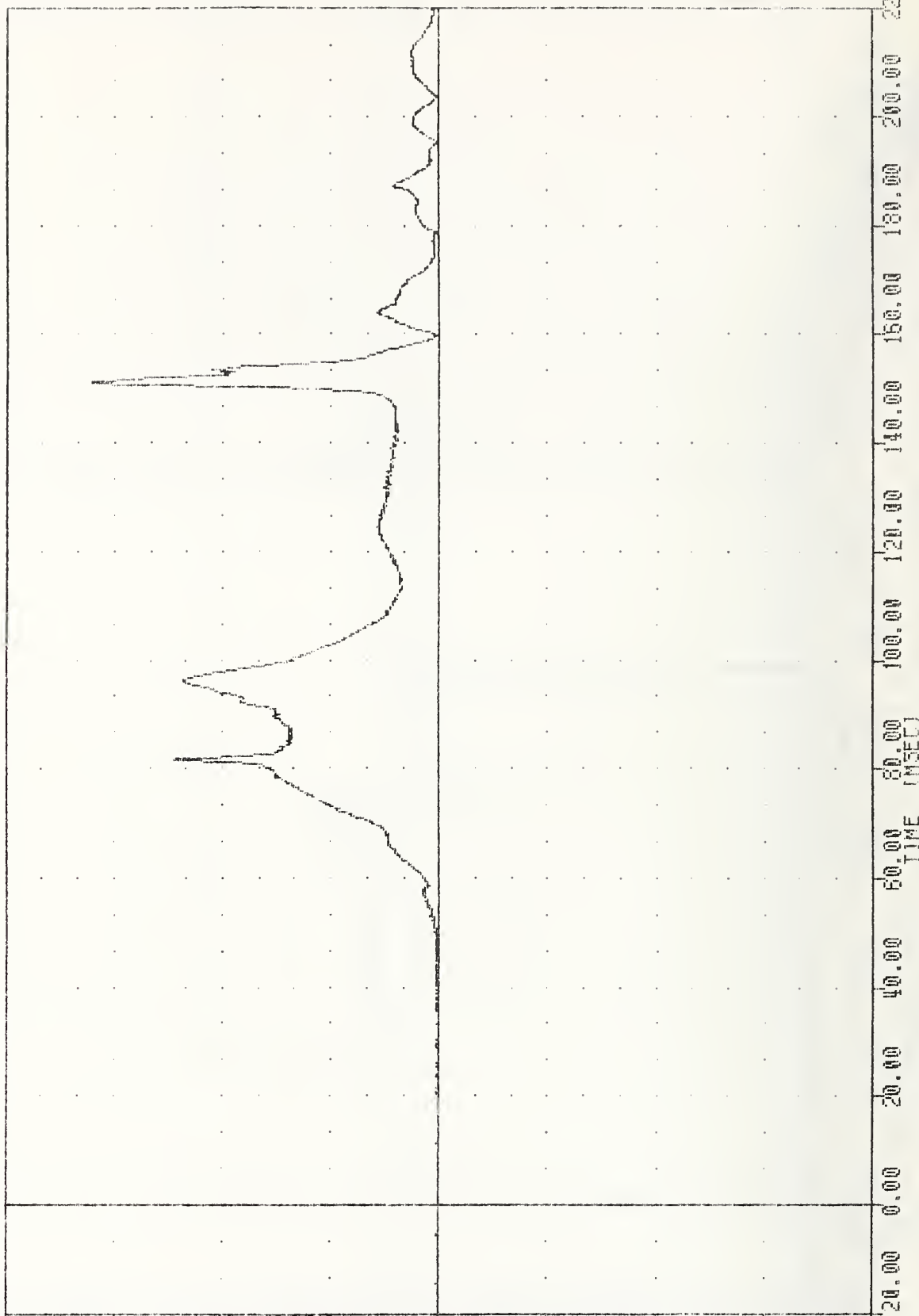
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
KNEE CONTACT

VRIC , R0384-4-15
BREED AIRBAG SLED PROGRAM
85107
HEDR61

PLOT DATE 18-APR-85 08:23:51

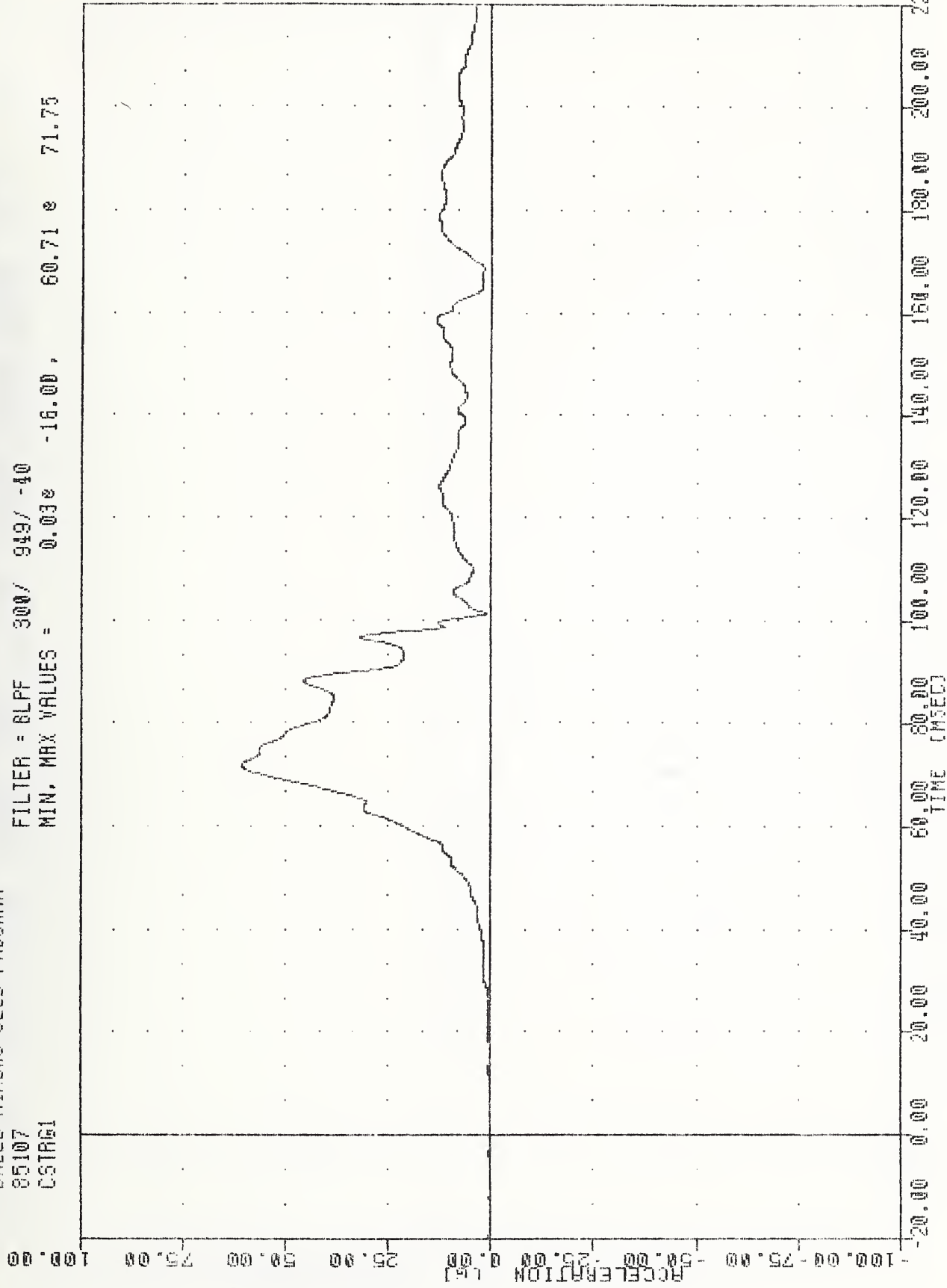
FILTER = HLPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.03e -2.38 , 160.63 e 151.13

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRIC , RD304-4-15 PLOT DATE 18-APR-85 08:23:51
 BREED AIRBAG SLED PROGRAM
 85107 FILTER = 6LFF 300/ 949/ -40
 CSTRG1 MIN. MAX VALUES = 0.03e -16.00, 60.71 e 71.75



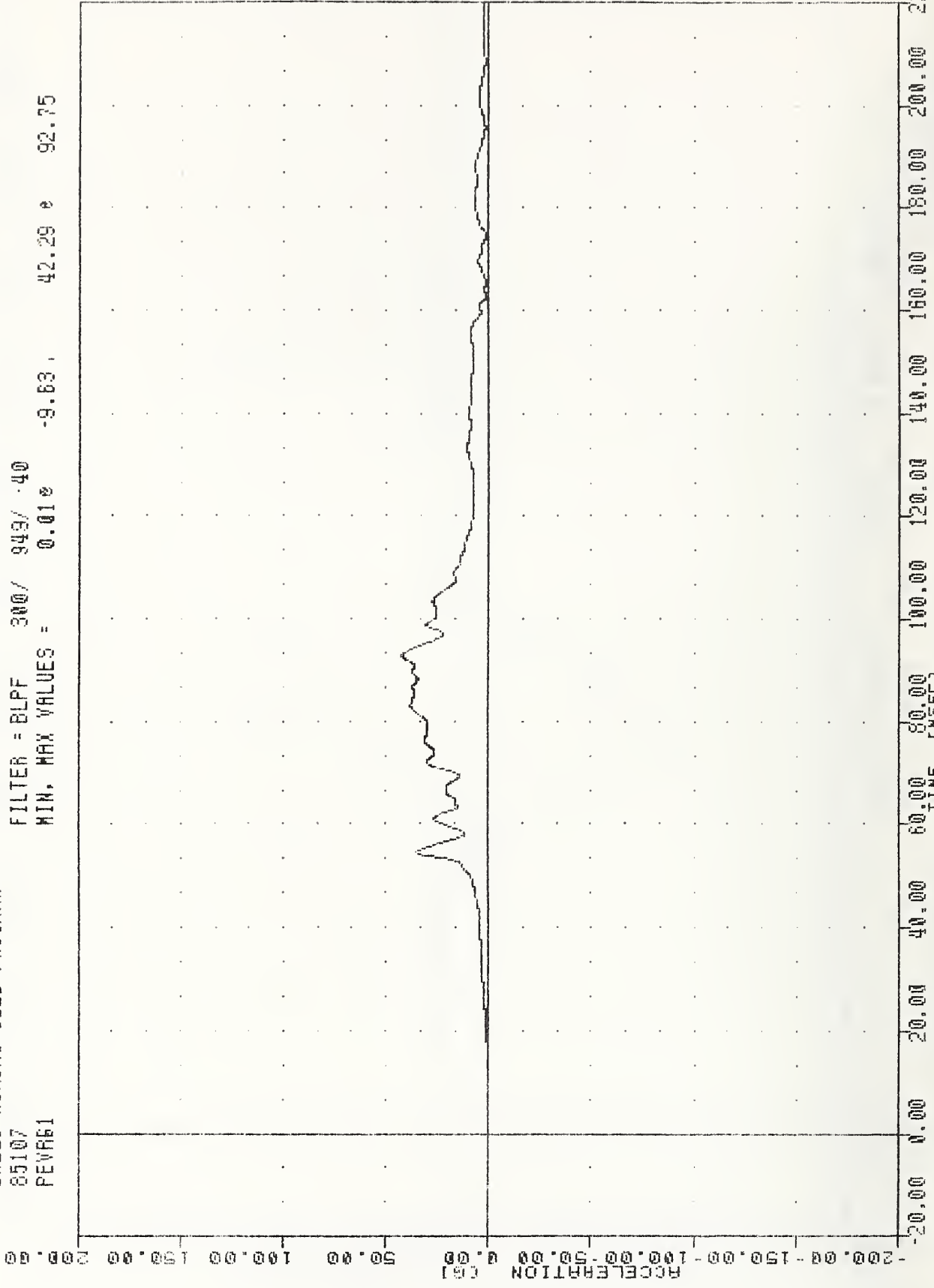
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER CHEST RESULTANT

WATC , R0384-4-15
SREED AIRBAG SLED PROGRAM
85107
PEVR61

PLOT DATE 18-APR-85 08:23:51

FILTER = BLPF 300/ 949/ 40

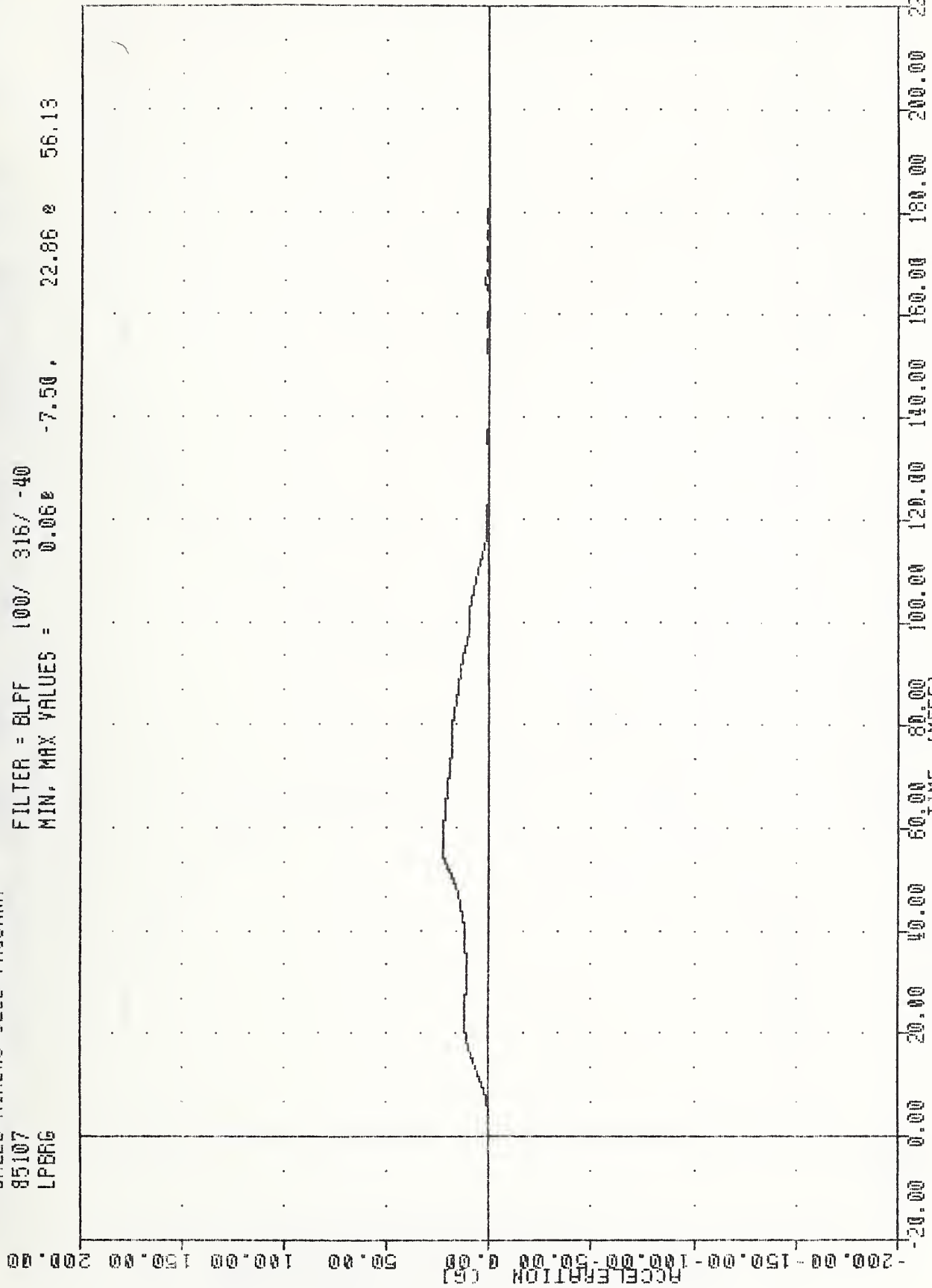
MIN. MAX VALUES = 0.01e -9.63, 42.29 e 92.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC . R0384-4-15
BREED AIRBAG SLED PROGRAM
85107
LPERG

PLOT DATE 18-APR-85 08:23:51
FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.06e -7.50 . 22.86 e 56.13

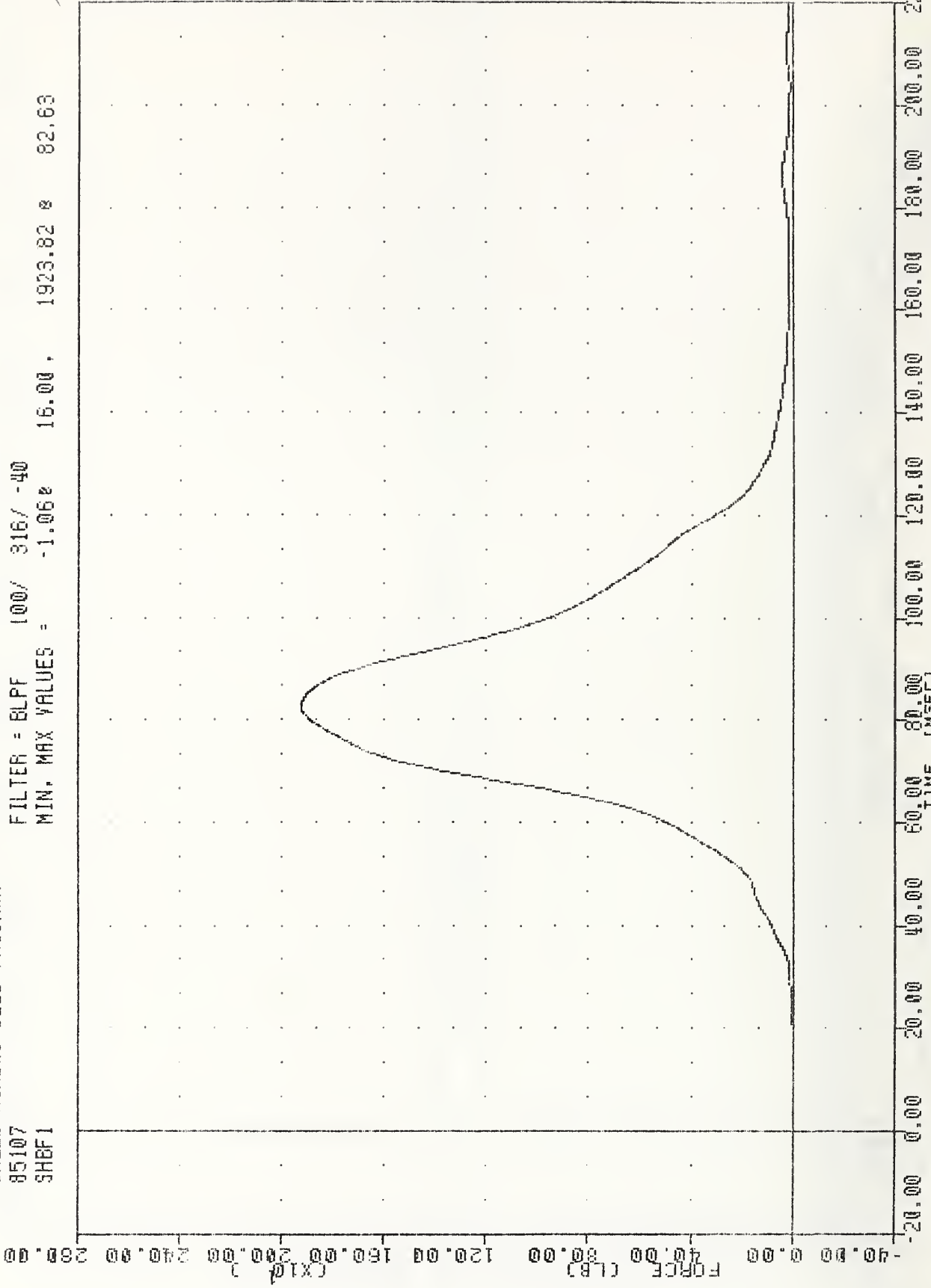


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VATC
BREED AIRBAG SLED PROGRAM
85107
SHBF1

FLOT DATE 18-APR-85 08:24:13

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -1.06e 16.00, 1923.82 e 82.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

WRIC 80384-4-15 PLOT DATE 18-APR-85 08:24:13

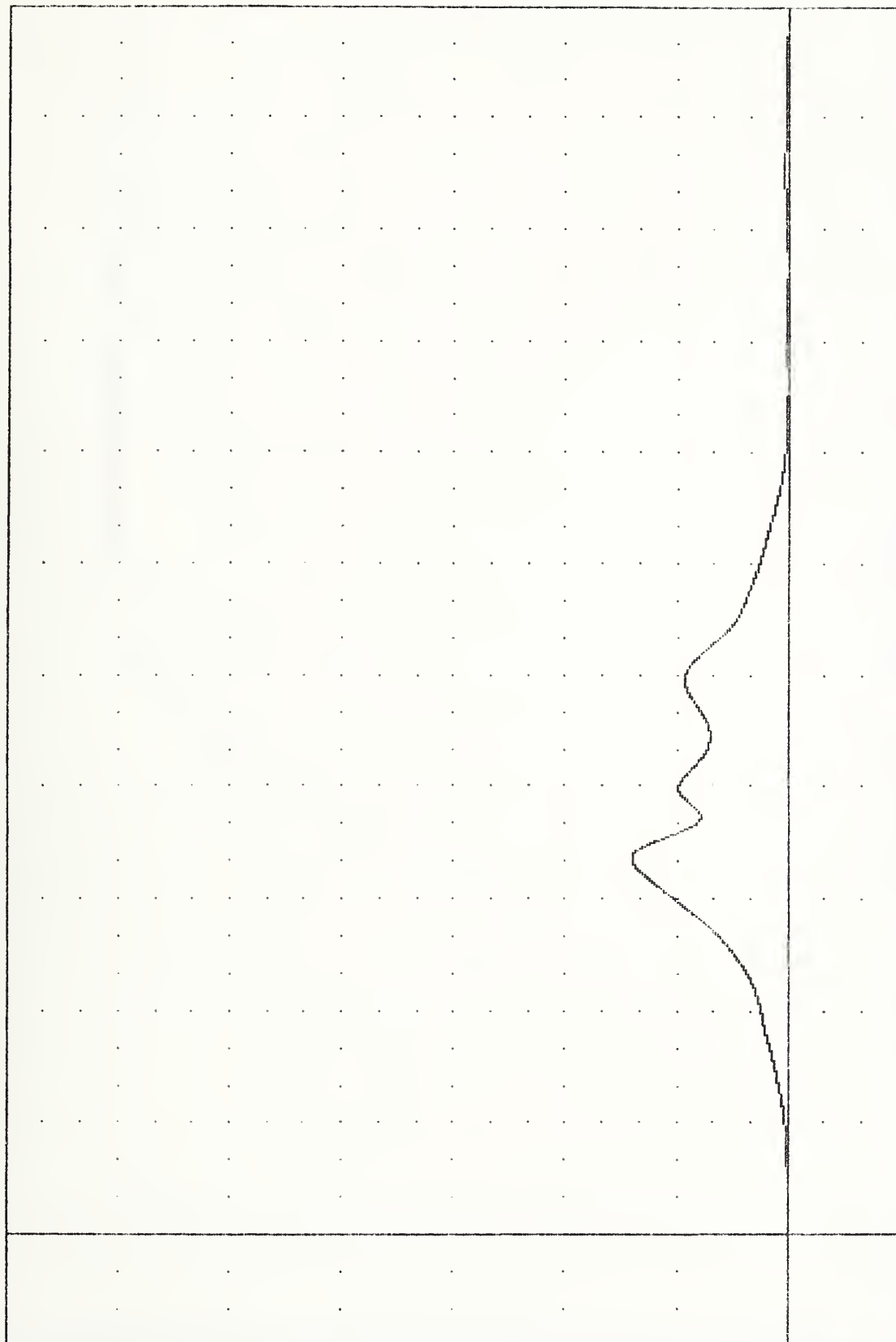
BREED AIRBAG SLED PROGRAM

FILTER = 6LFF 100/ 316/ -40

MIN, MAX VALUES = -0.25e 220.00, 561.02 e 67.13

85107
LB0F1

FORCE (LBS) (X10⁴)



-40.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME CMSECT

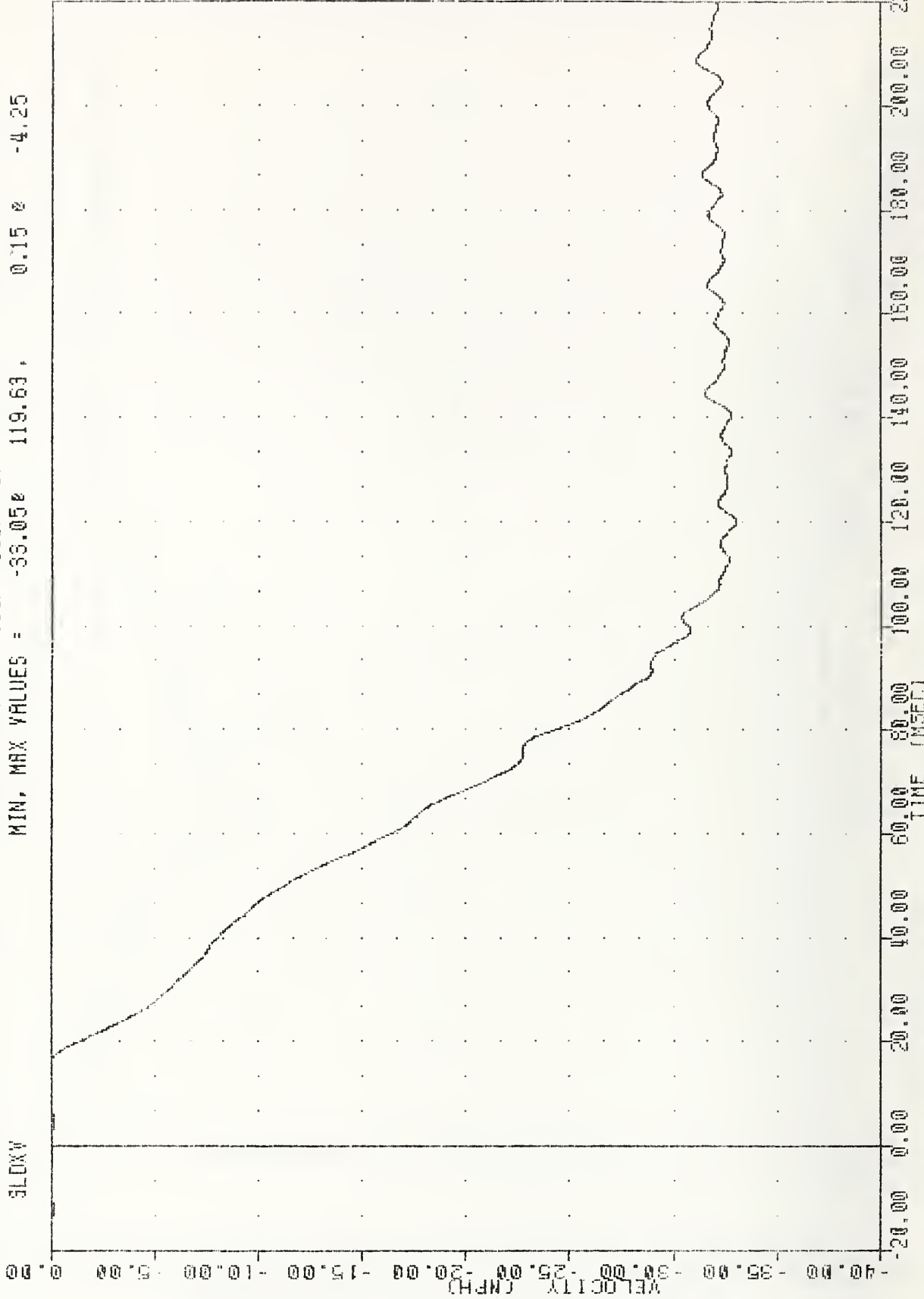
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS

VATIC , R0384-4-15
BREED AIRBAG SLED PROGRAM
85107
SLOW

PLOT DATE 18-APR-85 08:22:14

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -33.05e 119.63, 0.15 e -4.25



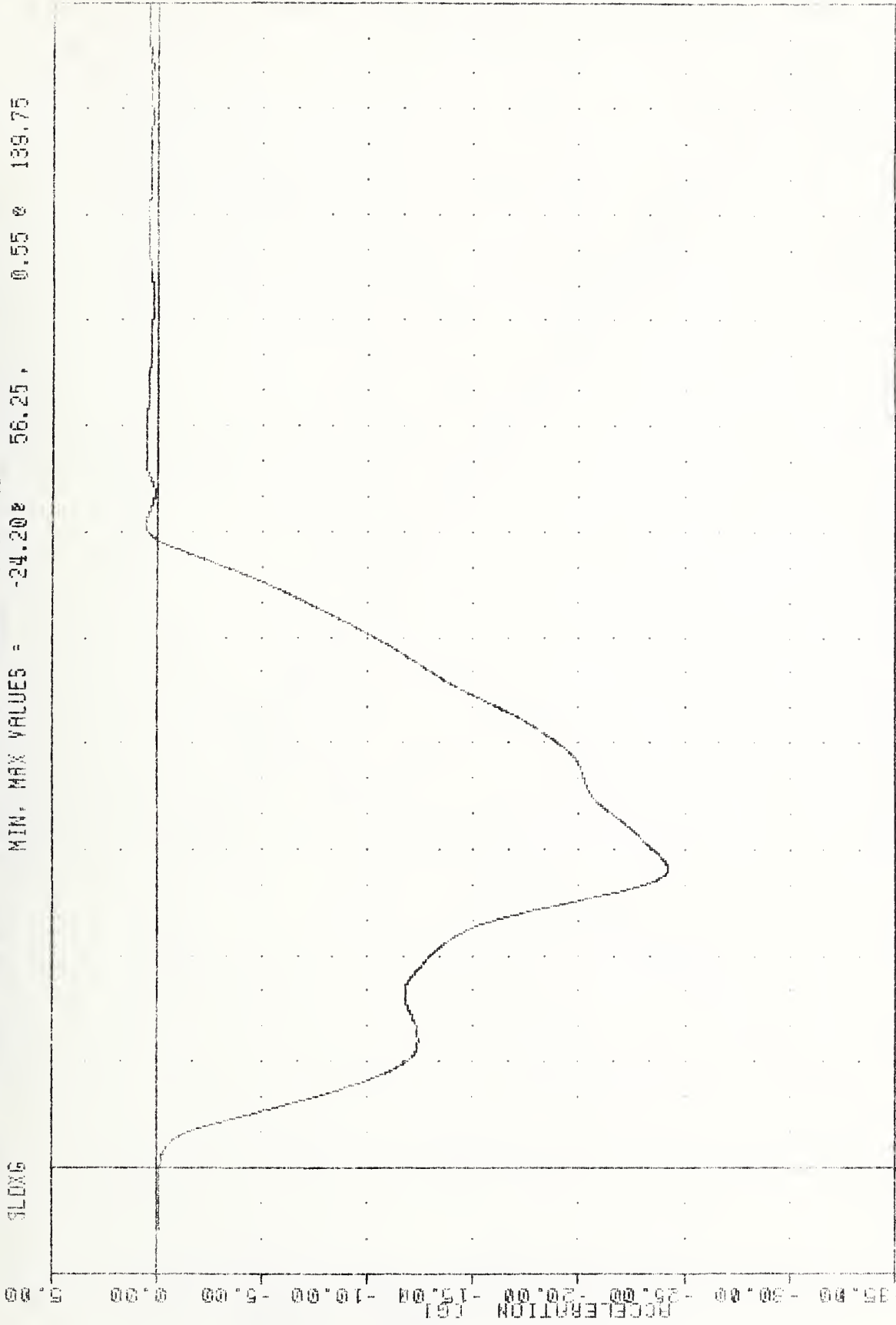
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VATIC 80384-4-15
SPEED AIRBAG SLED PROGRAM

85107
SLOW

PLOT DATE 1-MAY-85 19:37:46

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -24.20e 56.25e 0.55e 139.75



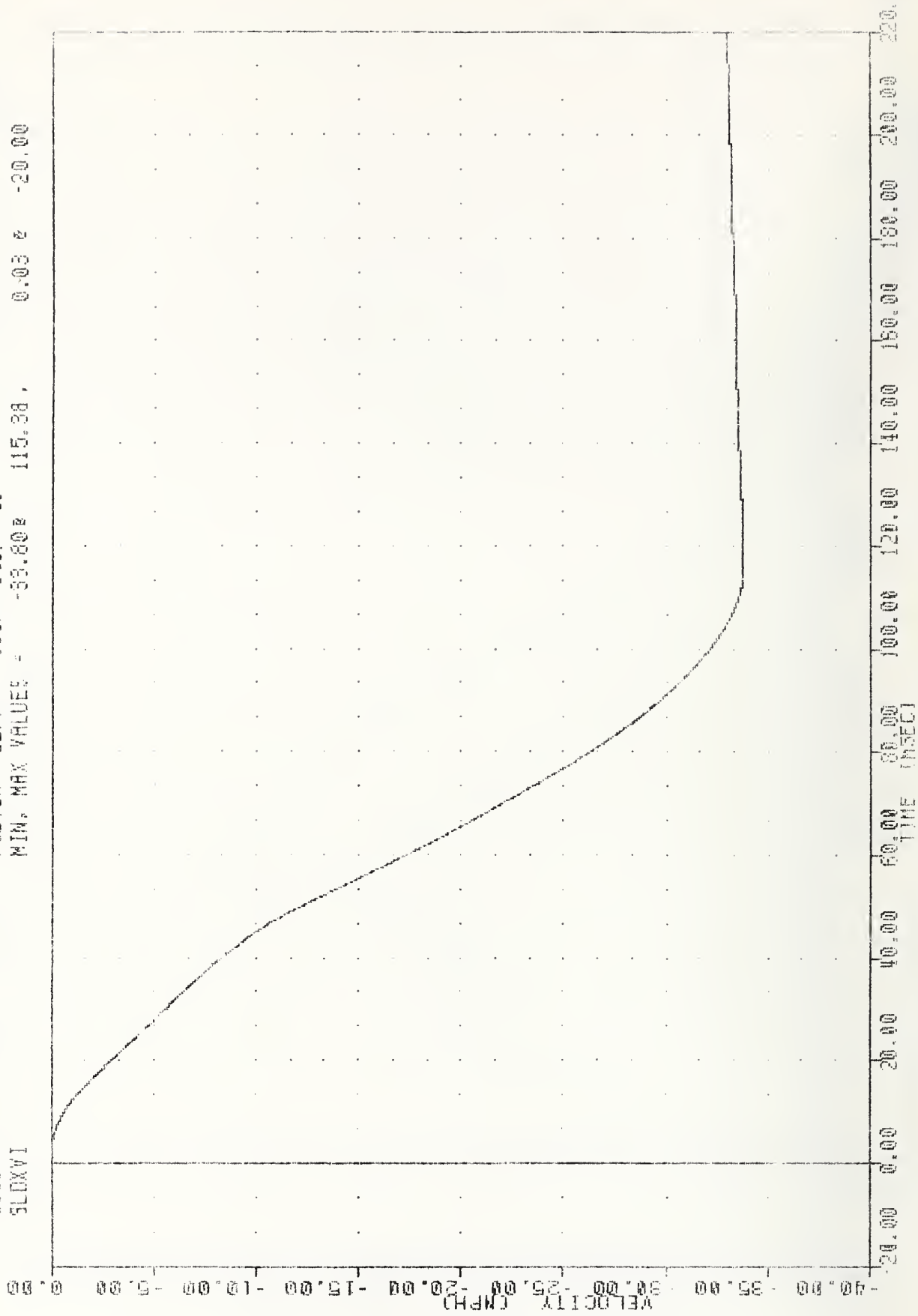
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SLED ACCELERATION

V310 , 30334-4-15
BREED AT566 SLED PROGRAM
95107
SLOXVI

PLOT DATE 1-MAY-85 13:36:00

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -33.802 115.28 , 0.03 e -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SLED VELOCITY INTEGRATED

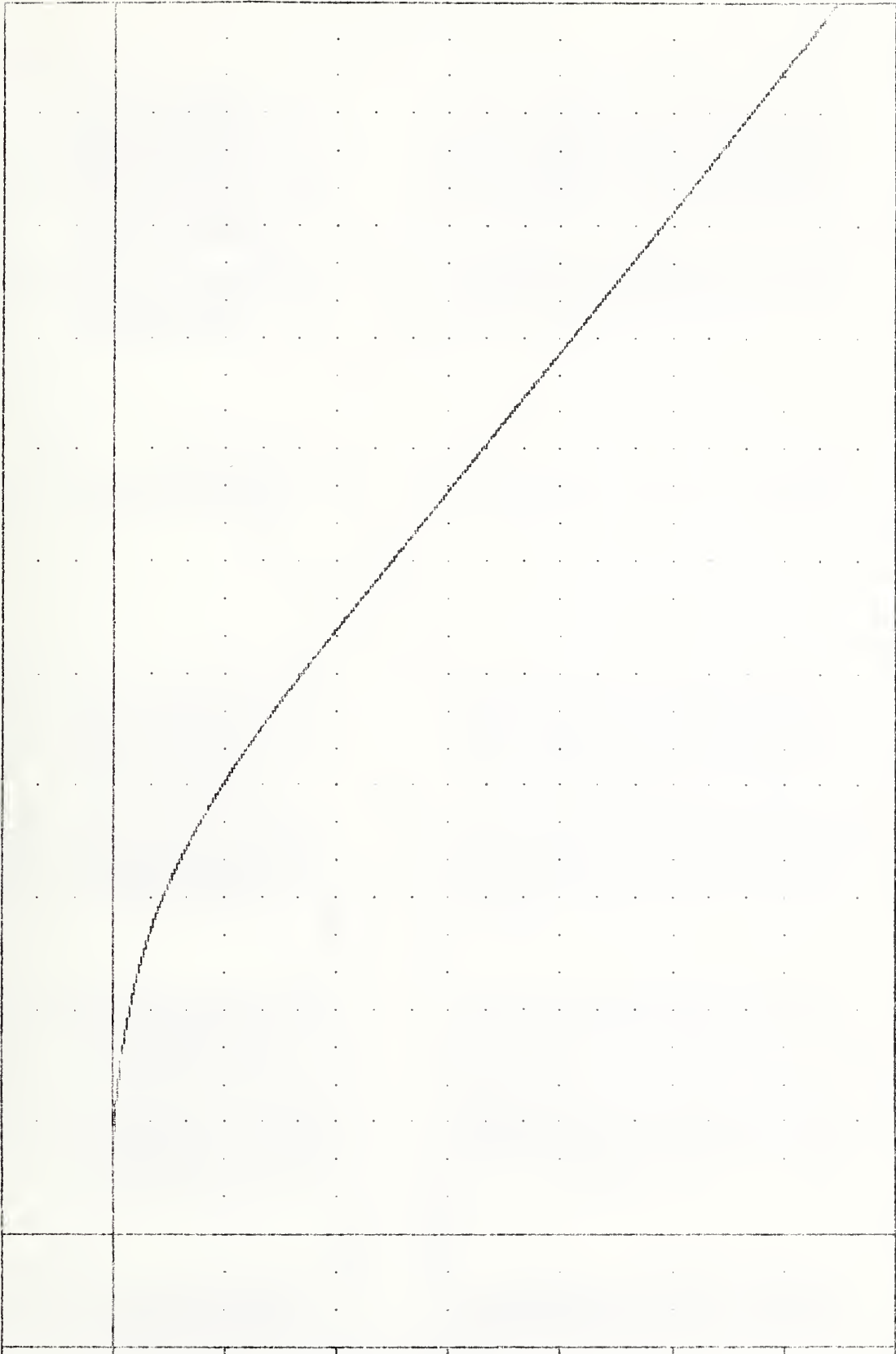
VR10
85107
SLOXD

PLOT DATE 1-MAY-85 13:36:08

FILTER = BLFF 300/ 918/ -10

MIN. MAX VALUES = -54.97e 220.00, 0.02 e -3.36

DISPLACEMENT (IN)



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V HITTING SURVIV

TRC417P . RAD; 5
 VRTC RD384-4-16 BREED AIRBAG SLED PROGRAM 6-MAY-85 13:15
 B5109 30.00 mph

EVENT	Min Value	Max Value	Data Units	Filter
1	0.012 @	2.536 @	volt	ALPF 1650/ 5214/ -40
2	-32.712 @	0.047 @	volt	ALPF 100/ 316/ -40
3	-23.381 @	7.250 @	msec	ALPF 100/ 316/ -40
4	-153.572 @	0.537 @	msec	ALPF 1650/ 5214/ -40
5	-6.544 @	11.484 @	msec	ALPF 1650/ 5214/ -40
6	-1.357 @	2.201 @	msec	ALPF 1650/ 5214/ -40
7	-38.210 @	39.232 @	msec	ALPF 1650/ 5214/ -40
8	-4.889 @	4.180 @	msec	BLPF 300/ 949/ -40
9	-8.066 @	6.207 @	msec	BLPF 300/ 949/ -40
10	-65.500 @	13.389 @	msec	BLPF 300/ 949/ -40
11	-90.468 @	7.958 @	msec	BLPF 300/ 949/ -40
12	-36.316 @	14.318 @	msec	BLPF 300/ 949/ -40
13	-5.178 @	3.202 @	msec	BLPF 300/ 949/ -40
14	-22.612 @	6.616 @	msec	BLPF 300/ 949/ -40
15	-284.419 @	2.529 @	msec	BLPF 300/ 949/ -40
16	-262.737 @	251.727 @	msec	BLPF 1000/ 3162/ -40
17	-1.277 @	421.427 @	msec	BLPF 1000/ 3162/ -40
18	-1.381 @	0.840 @	msec	BLPF 100/ 316/ -40
19	-0.917 @	1.802 @	msec	BLPF 100/ 316/ -40
20	-4.452 @	1.779 @	msec	BLPF 100/ 316/ -40
21	-0.087 @	2348.546 @	msec	BLPF 100/ 316/ -40
22	-0.770 @	1817.067 @	msec	BLPF 100/ 316/ -40
23		2.154 @	volt	ALPF 1650/ 5214/ -40
		2.186 @	volt	ALPF 1650/ 5214/ -40

40 TRC417P . RAD; 5
 VRTC RD384-4-16 BREED AIRBAG SLED PROGRAM 6-MAY-85 13:37
 B5109 30.00 mph

EVENT	Min Value	Max Value	Data Units	Filter
1	-49.508 @	0.016 @	msec	BLPF 300/ 949/ -40
2	-70.901 @	0.096 @	msec	BLPF 300/ 949/ -40
3	-36.130 @	-0.386 @	msec	BLPF 300/ 949/ -40
4	-59.277 @	-0.199 @	msec	BLPF 300/ 949/ -40
5	-30.540 @	-0.411 @	msec	BLPF 300/ 949/ -40
6	-51.165 @	-0.230 @	msec	BLPF 300/ 949/ -40
7	-32.309 @	-0.031 @	msec	BLPF 300/ 949/ -40
8	-62.236 @	-0.016 @	msec	BLPF 300/ 949/ -40
9	-31.447 @	0.414 @	msec	BLPF 300/ 949/ -40
10	-59.847 @	0.335 @	msec	BLPF 300/ 949/ -40

TRC417AP. RAD; 1
VRTC
85109

RD384-4-16 BREED AIRBAG SLED PROGRAM
30.00 mph

29-APR-85 15:20

	Min value	Max value	Data Units	Filter
1	-47.603 @ 83.000	47.293 @ 86.000 msec	g	ALPF 1650/ 5214/ -40
2	-20.905 @ 206.375	259.907 @ 98.000 msec	lb	BLPF 100/ 316/ -40
3	-54.096 @ 141.375	60.304 @ 96.625 msec	lb-ft	BLPF 100/ 316/ -40
4	-1.931 @ 29.750	186.952 @ 104.125 msec	lb	BLPF 100/ 316/ -40
5	-0.009 @ 23.625	1.871 @ 100.500 msec	in	BLPF 300/ 949/ -40
6	-229.297 @ 42.625	72.266 @ 115.750 msec	lb	BLPF 1000/ 3162/ -40
7	-314.006 @ 44.375	57.227 @ 195.375 msec	lb	BLPF 1000/ 3162/ -40
8	-356.631 @ 45.250	113.486 @ 126.750 msec	lb	BLPF 1000/ 3162/ -40
9	-151.015 @ 92.125	32.394 @ 217.750 msec	lb	BLPF 1000/ 3162/ -40
10	-18.343 @ 59.875	17.414 @ 45.375 msec	lb-ft	BLPF 1000/ 3162/ -40
11	-66.690 @ 48.375	16.955 @ 131.500 msec	lb-ft	BLPF 1000/ 3162/ -40
12	-29.119 @ 44.875	22.240 @ 92.875 msec	lb-ft	BLPF 1000/ 3162/ -40
13	-75.222 @ 56.250	18.473 @ 126.500 msec	lb-ft	BLPF 1000/ 3162/ -40
14	-11.901 @ 39.125	34.331 @ 59.250 msec	lb-ft	BLPF 1000/ 3162/ -40
15	-43.052 @ 58.750	20.690 @ 59.500 msec	lb	BLPF 1000/ 3162/ -40
16	-28.373 @ 131.500	657.215 @ 41.500 msec	lb	BLPF 1000/ 3162/ -40
17	-14.104 @ 44.625	7.989 @ 61.875 msec	lb-ft	BLPF 1000/ 3162/ -40
18	-29.479 @ 65.500	51.399 @ 44.375 msec	lb	BLPF 1000/ 3162/ -40
19	-35.953 @ 87.750	600.029 @ 45.250 msec	lb	BLPF 1000/ 3162/ -40

TRC417RP. RAD; 3
VRTC
85109

RD384-4-16 BREED AIRBAG SLED PROGRAM
30.00 mph

6-MAY-85 09:07

	Min value	Max value	Data Units	Filter
1	0.017 @ -16.125	153.845 @ 83.000 msec	g	ALPF 1650/ 5214/ -40
2	0.079 @ -4.625	38.353 @ 88.375 msec	g	BLPF 300/ 949/ -40
3	0.050 @ 2.625	41.902 @ 86.500 msec	g	BLPF 300/ 949/ -40
4	0.112 @ -19.625	23.324 @ 56.125 msec	g	BLPF 100/ 316/ -40

HEDRG1

* * * HIC computation for [SLED,BREED]TRC417RF.RAD;1 29-MAY-85 15:44:55
HEDRG1 VRTC RD384-4-16 85109 BREED AIRBAG SLED PROGRAM
Using time range = 0.000 to 130.250 msec Peak accel = 153.84 @ 83.000
HIC = 793.30 Interval from 75.375 [764] to 113.250 [1067]
HIC = 580.55 Interval from 90.000 [881] to 105.000 [1001]

E SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC417RF

File TRC417RF -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, DeltaX = 0.125000
VRTC RD384-4-16 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 FEVRG1 LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC417RF.RAD;3 VRTC RD384-4-16
BREED AIRBAG SLED PROGRAM 30.0 mph 85109 6-MAY-85 10:23:54
DeltaX: 0.125

3 MS CLIP PEAK: 36.28595

Please run LSTRAP on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> EXIT

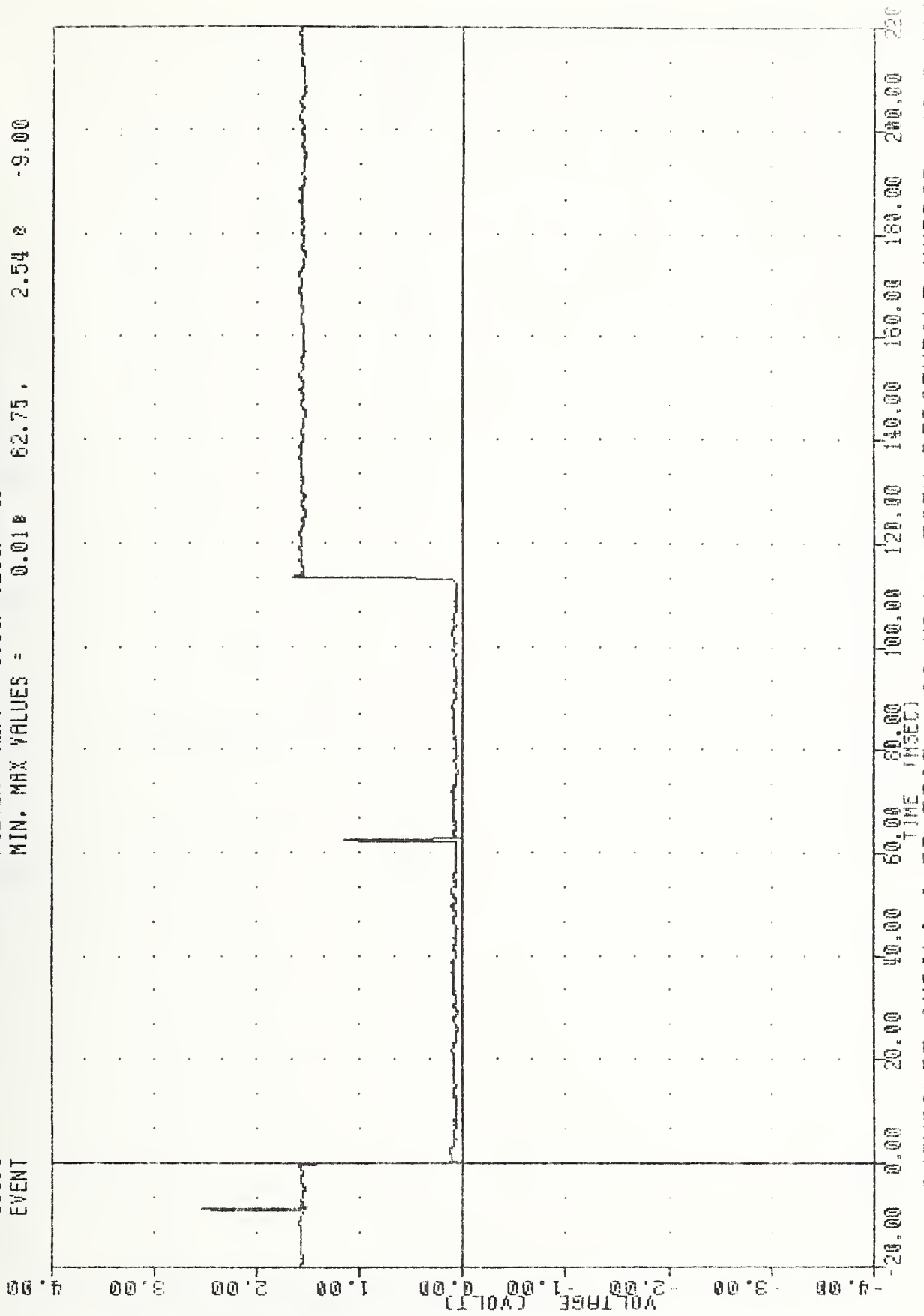
Enter input filespec -> EXIT
*

VRIC , R0384-4-16
BREED AIRBAG SLED PROGRAM
85109
EVENT

PLOT DATE 30-APR-85 08:10:31

FILTER = RLPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.018 62.75 , 2.54 0 -9.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
EVENT

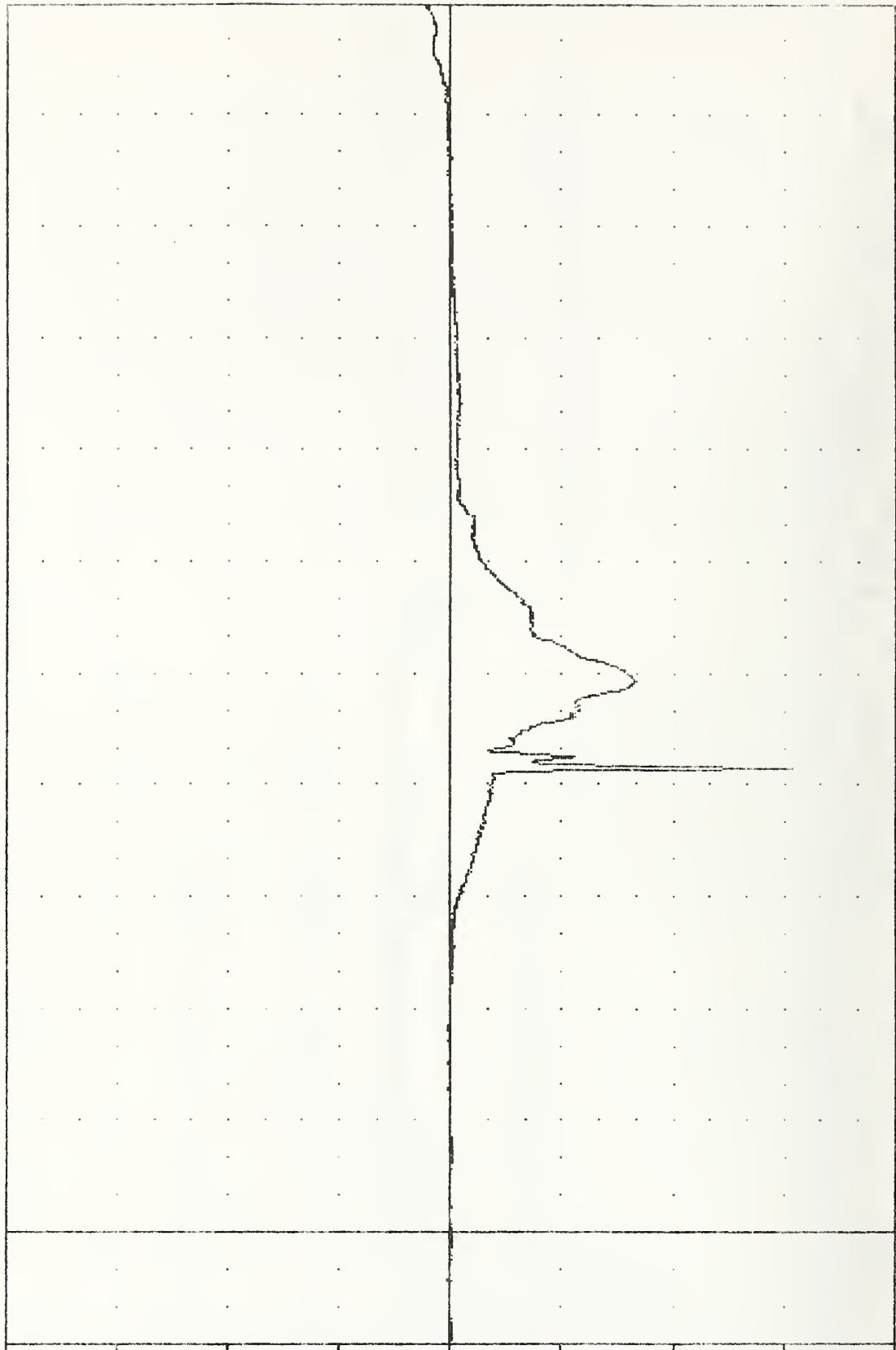
VRTC , R0384-4-16
BRED AIRBAG SLED PROGRAM
85109
HEDX61

PLOT DATE 30 APR 85 08:10:31

FILTER = ALFF 1650/ 5214/ -40

MIN. MAX VALUES = -153.57e 83.00, 11.48 e 219.88

ACCELERATION (G)



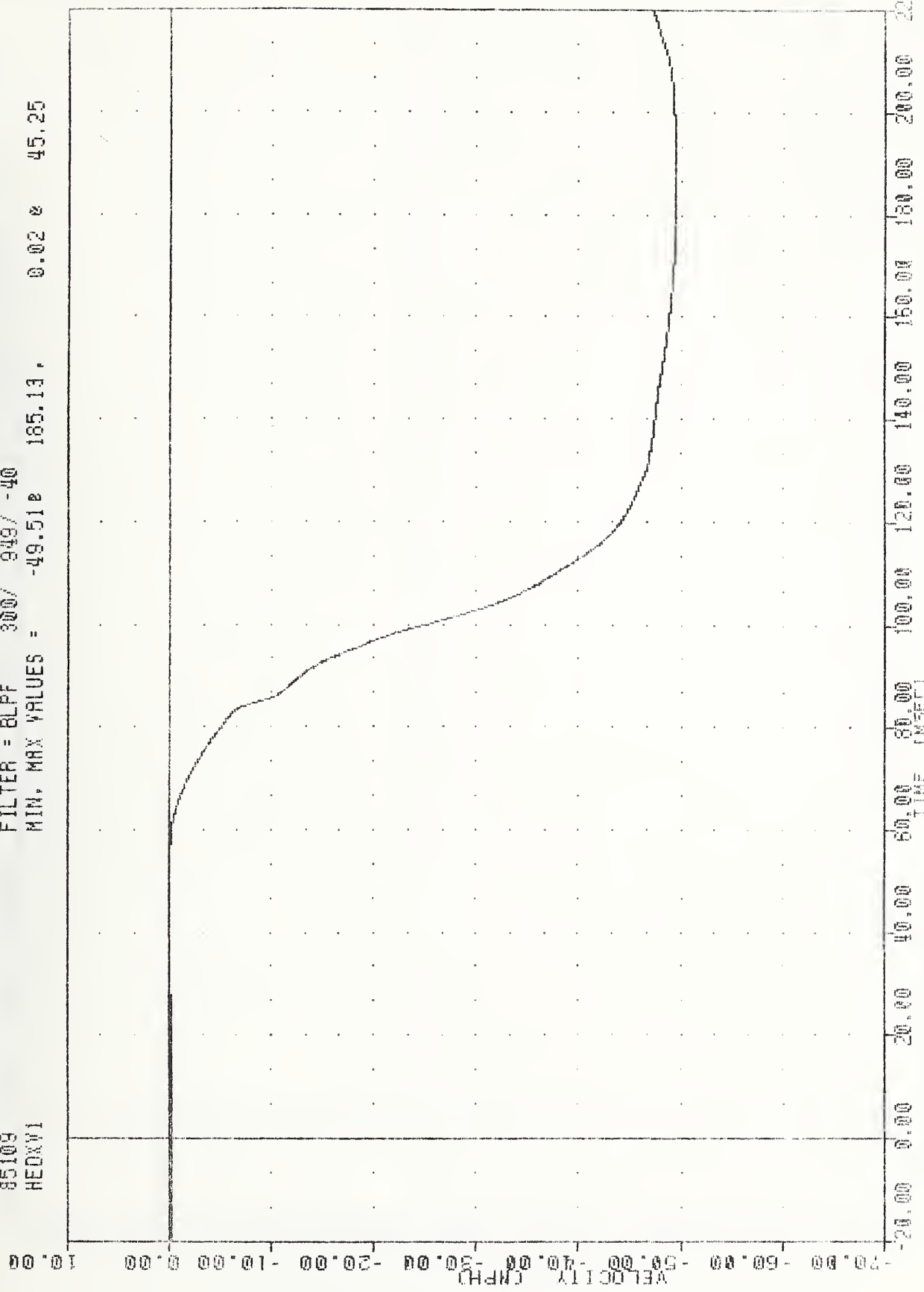
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
DRIVER HEAD ACCELERATION X AXIS

VRTC , R0364-4-16
BREED AIRBAG SLED PROGRAM
85109
HEDXV1

PLOT DATE 30-APR-85 08:58:52

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -49.51e 185.13, 0.02 e 45.25



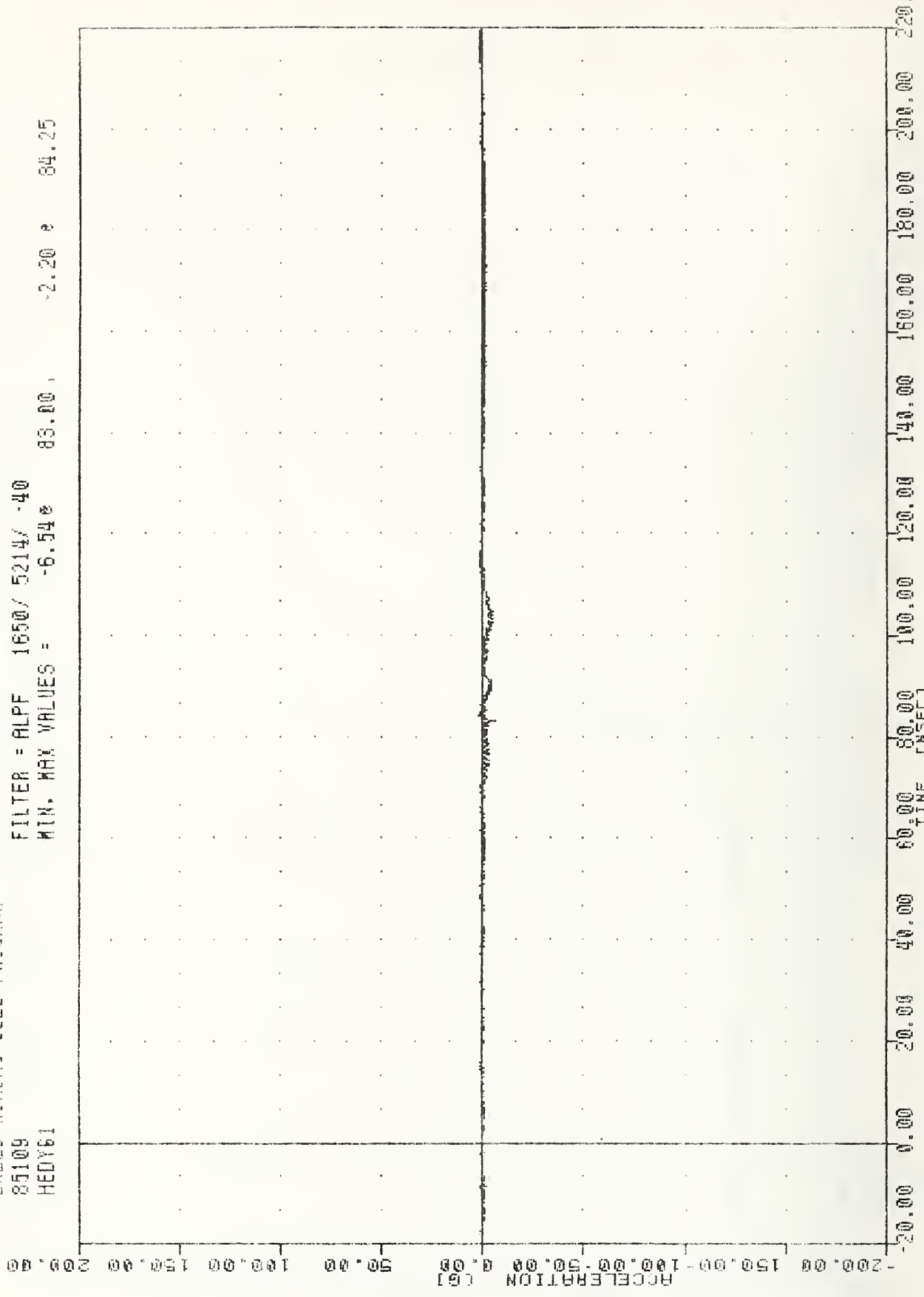
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SOLID Y 50TH PERCENTILE

WHIC , R0354-4-16
SPEED AIRBAG SLED PROGRAM
25109
MEDY61

PLOT DATE 30-APR-85 08:10:31

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -6.54e 83.00 , -2.20 e 84.25



ACCELERATION (G)
-200.00 150.00 100.00 50.00 0.00 50.00 100.00 150.00 200.00
TIME (MSEC)
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

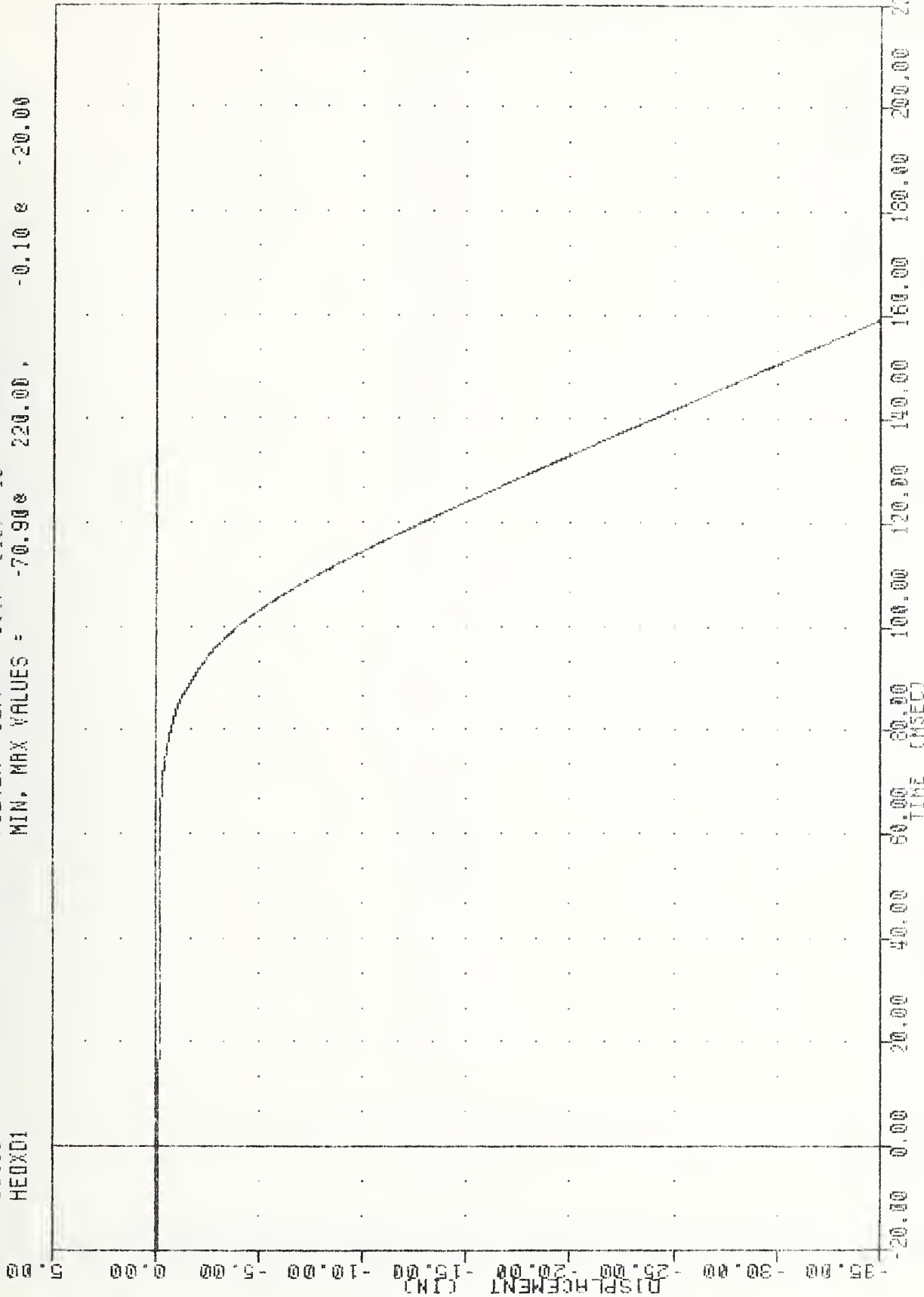
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
DRIVER HEAD ACCELERATION Y AXIS

VRIC , RD304-4-16
BREED AIRBAG SLED PROGRAM
85109
HEAD1

PLOT DATE 30 APR 85 08:58:52

FILTER = 6LFF 300 / 949 / -40

MIN. MAX VALUES = -70.90 220.00 -0.10 20.00



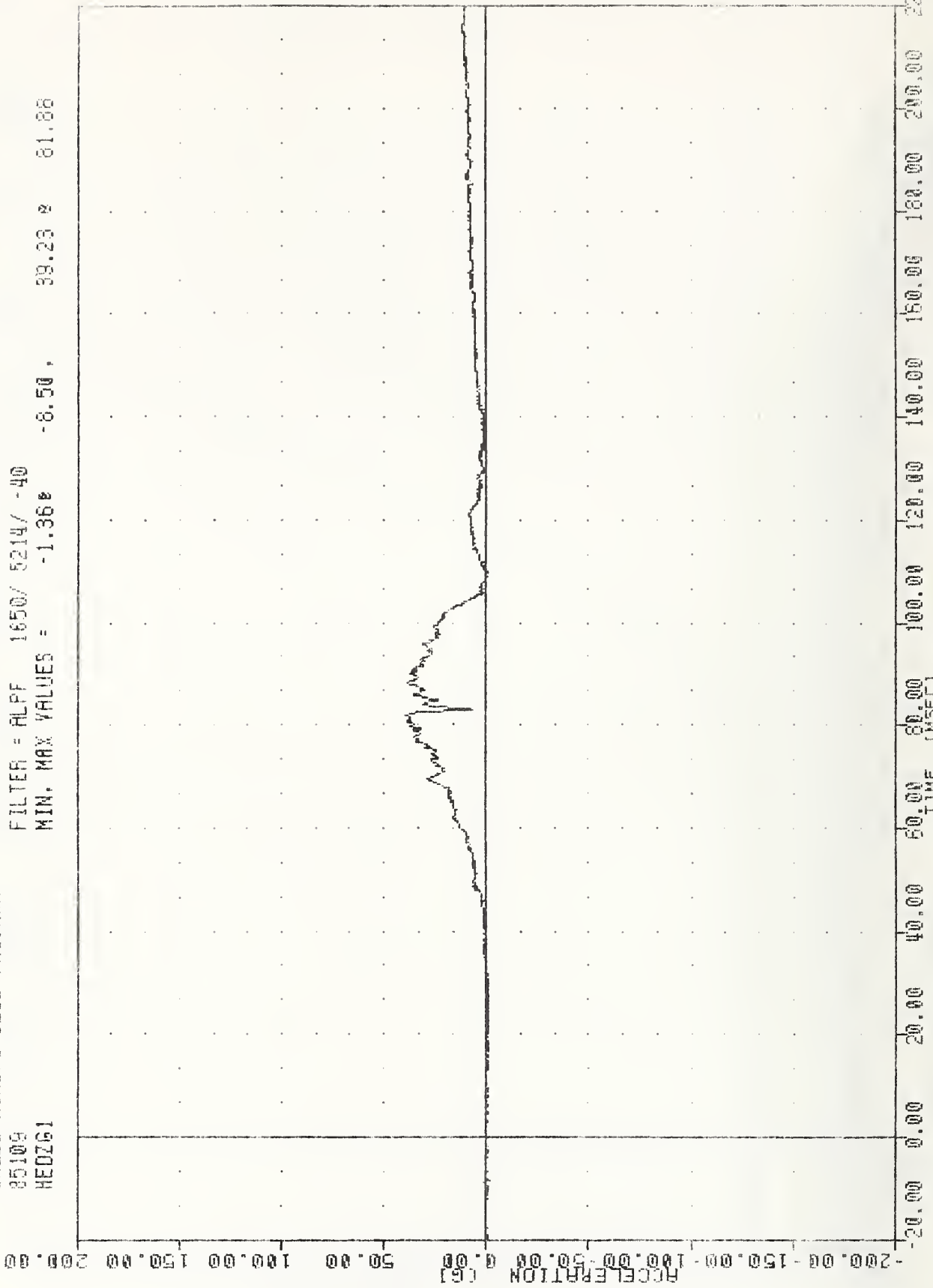
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUNN
DELTA (USING HEAVY)

NRTC : 8856A-4-16
BREED AIRBAG SLED PROGRAM
85109
HE0261

PLOT DATE 30-APR-85 08:10:31

FILTER = RLFF 1650/ 5214/ -40

MIN. MAX VALUES = -1.36g -8.50g 39.23g 81.86g

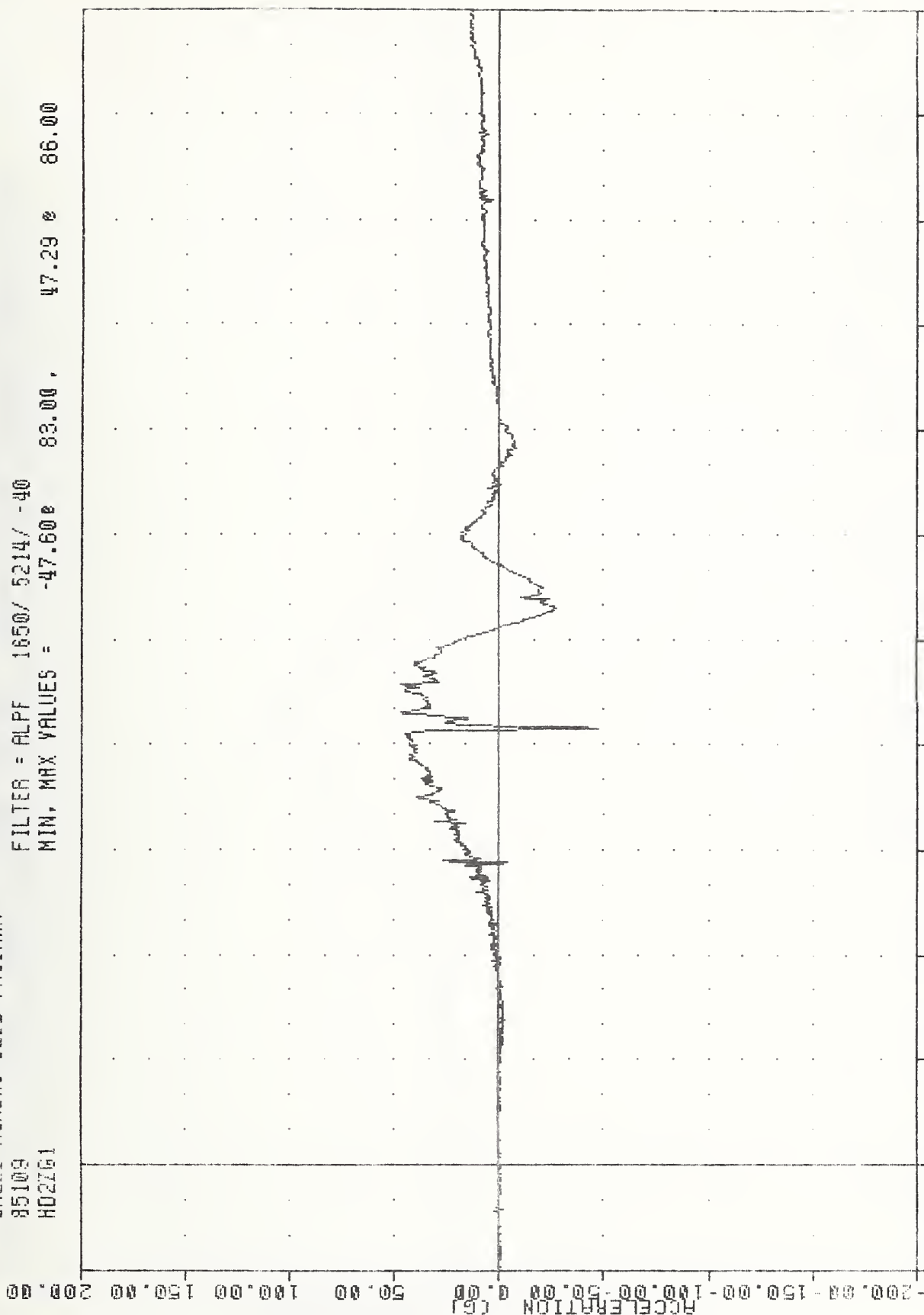


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC / RD384-4-16
BREED AIRBAG SLED PROGRAM
85109
HD2761

PLOT DATE 5-MAY-85 12:29:28

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -47.60e 83.00, 47.29 e 86.00



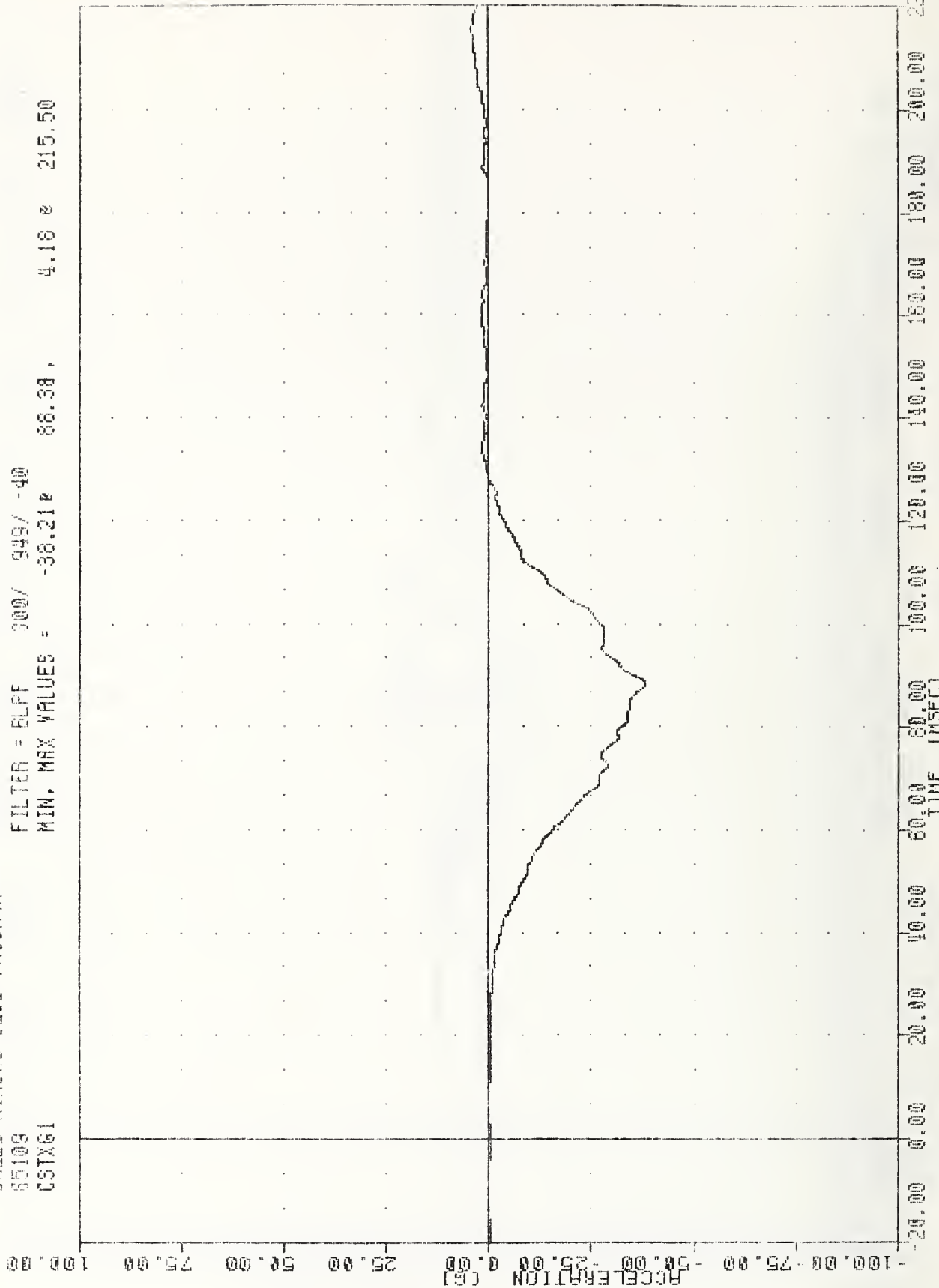
200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)

VRIC
BREED AIRBAG SLED PROGRAM
85109
CSTX61

FLUT DATE 8-MAY-85 09:23:15

FILTER = BLFF 300/ 949/ -40

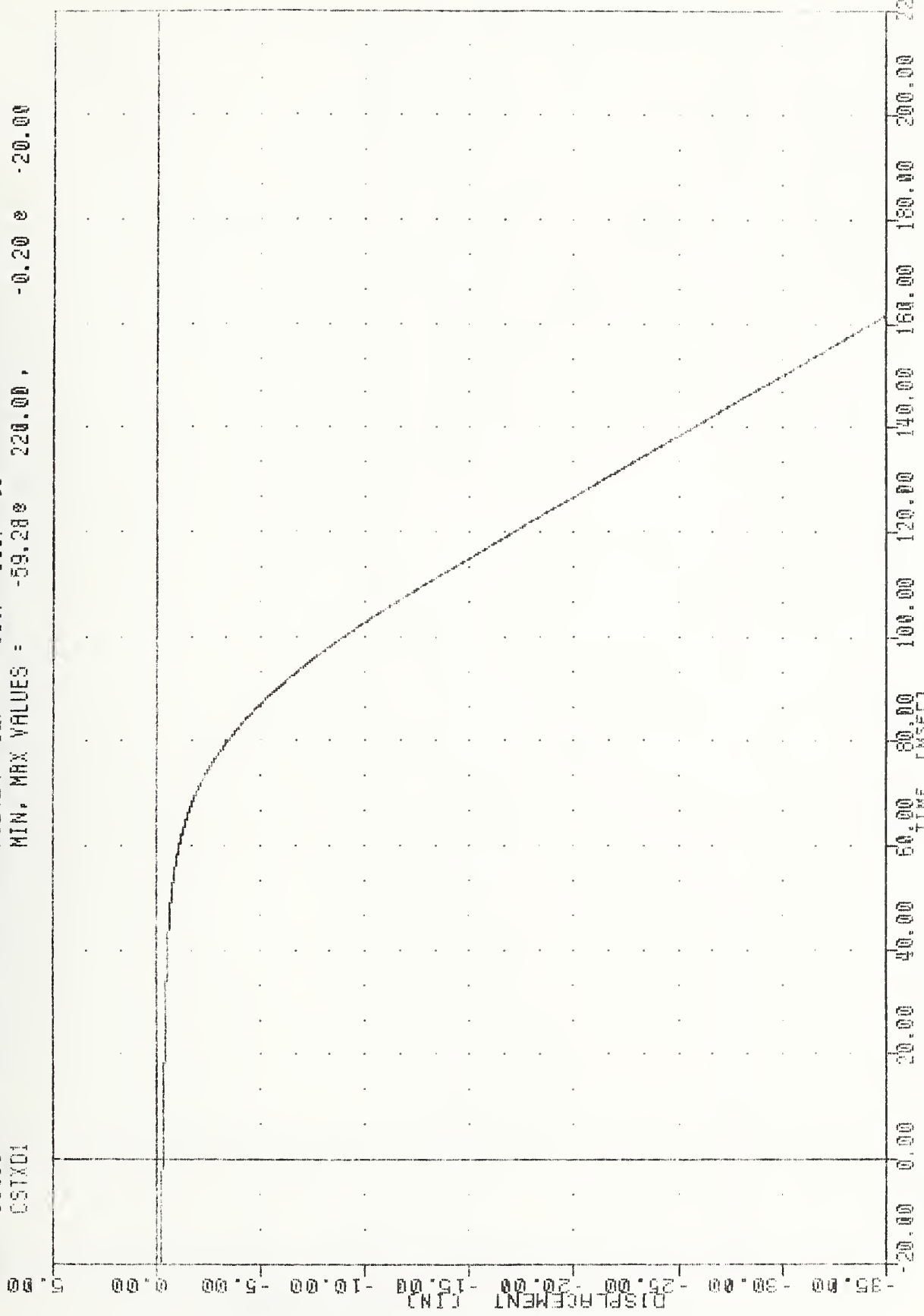
MIN. MAX VALUES = -38.21# 86.38# 4.18# 215.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION Y 9.75

VRTC , 80384-4-16
 BREED AIRBAG SLED PROGRAM
 85109
 CSTXD1

PLOT DATE 6-MAY-85 09:55:48
 FILTER = SLFF 500/ 949/ -40
 MIN, MAX VALUES = -59.28e 220.00, -0.20 e -20.00



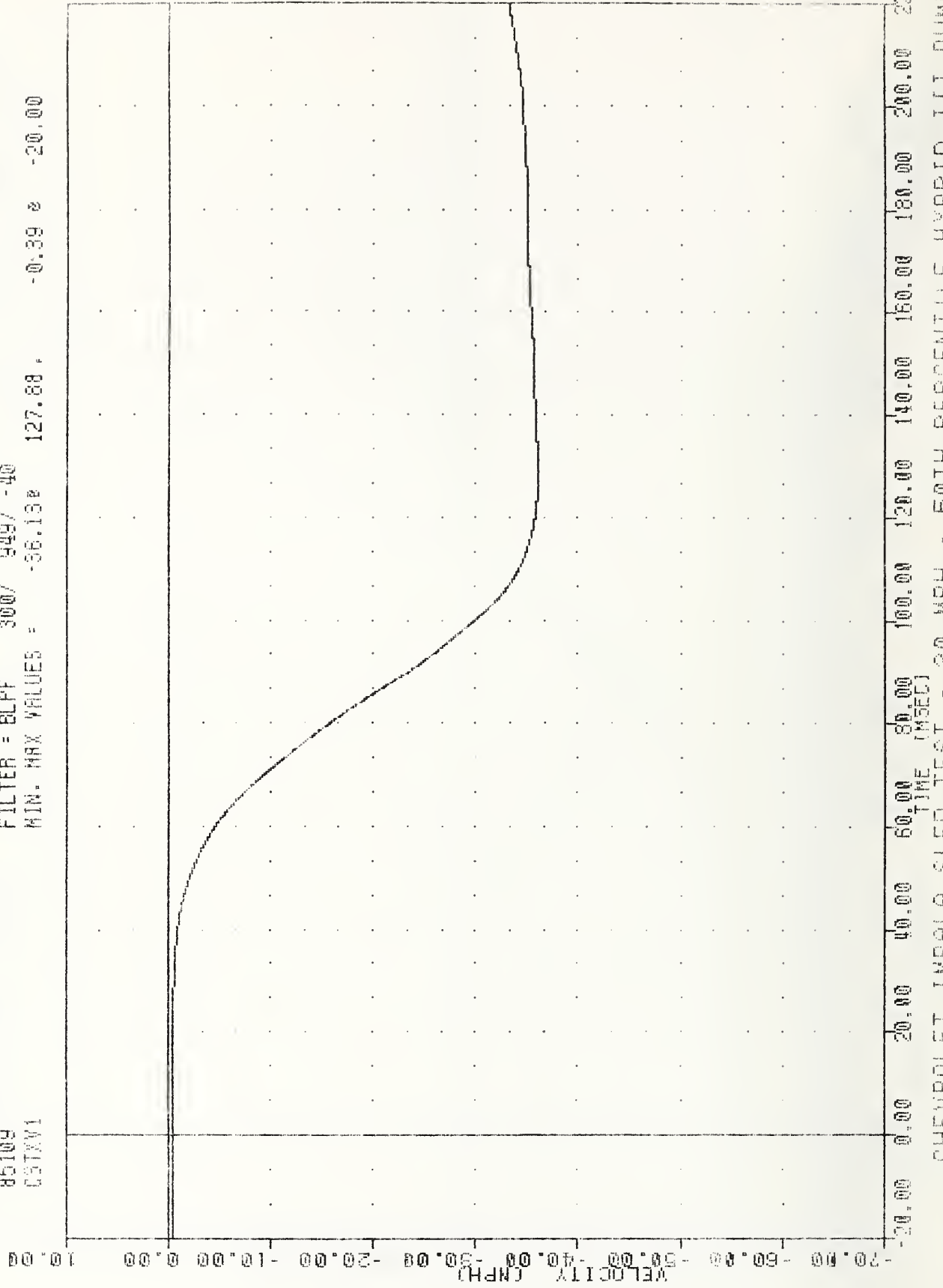
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DELTA X USING CSTXD1

VRIC . R0334-4-16
SLED IMPACT SLED PROGRAM
85109
C3TXV1

PLOT DATE 6-MAY-85 09:55:48

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -36.13e 127.88 . -0.39 e -20.00

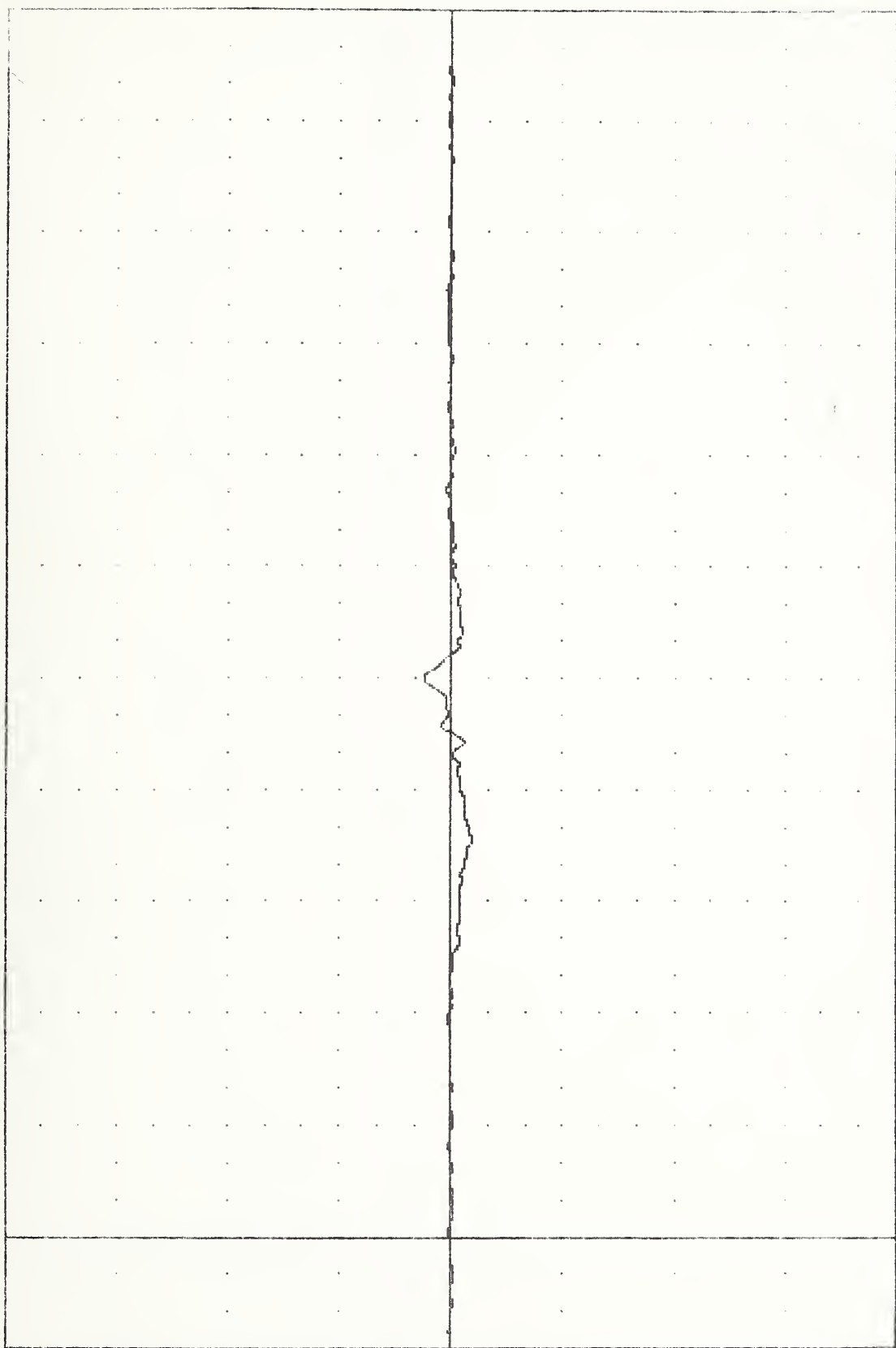


CHEVROLET IMPACT SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING C3TXV1

WTC RD364-4-16
BREED AIRBAG SLED PROGRAM
85109
CSTY61

PLUT DATE 30-APR-85 08:10:31
FILTER = 6LPF 300/ 949/ -40
MIN, MAX VALUES = -4.89e 71.00, 6.21 e 100.00

ACCELERATION (G)
-100.00 -75.00 -50.00 -25.00 0.00 25.00 50.00 75.00 100.00



20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUM
DRIVER CHEST ACCELERATION X AXIS

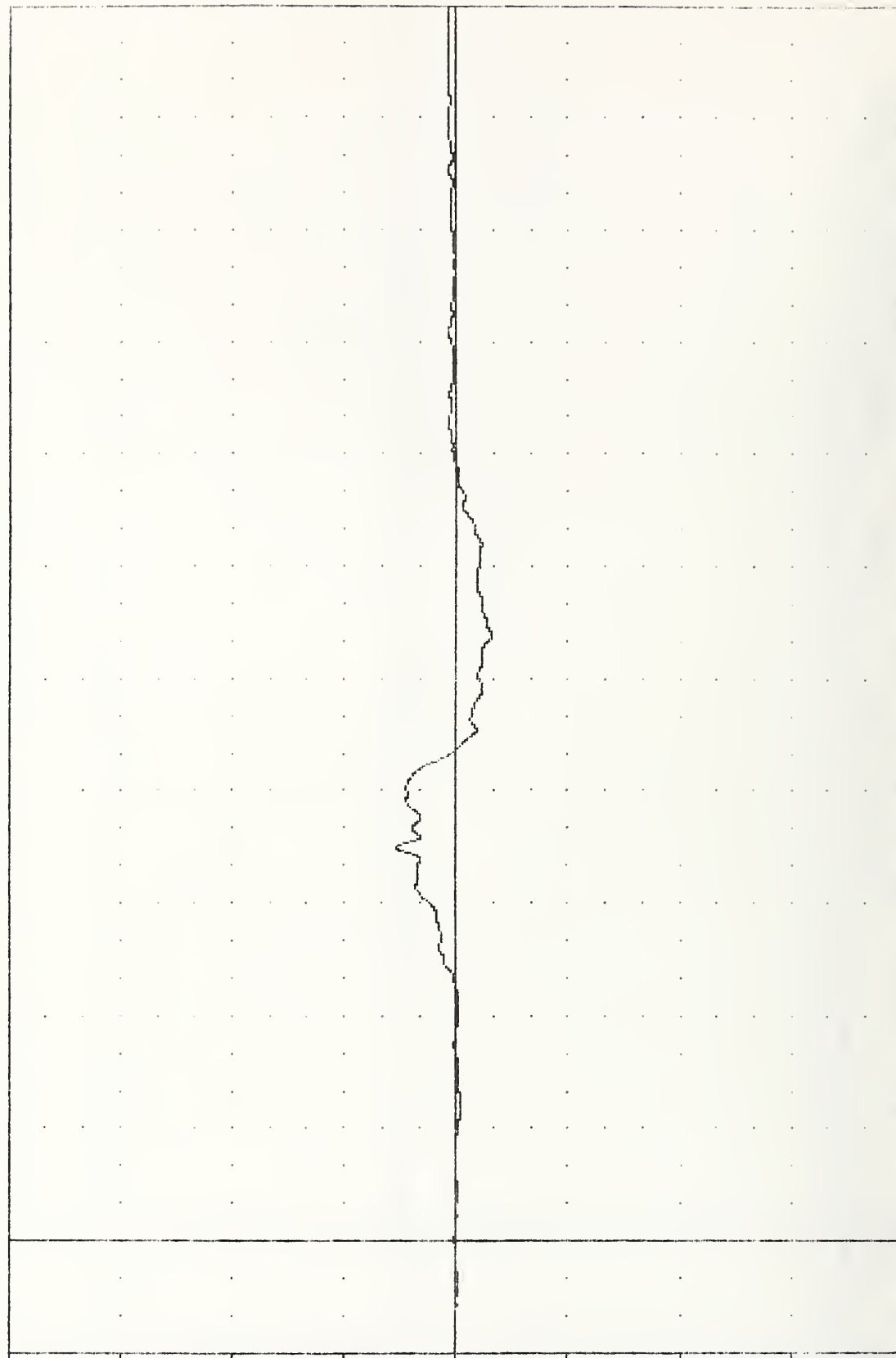
VRTC . F0384-4-16
BREED AIRBAG SLED PROGRAM
85109
CSTIG1

PLOT DATE 6-MAY-85 09:23:15

FILTER = BLPF 30V/ 949/ -40

MIN, MAX VALUES = -8.07e 107.66, 13.99 e 69.75

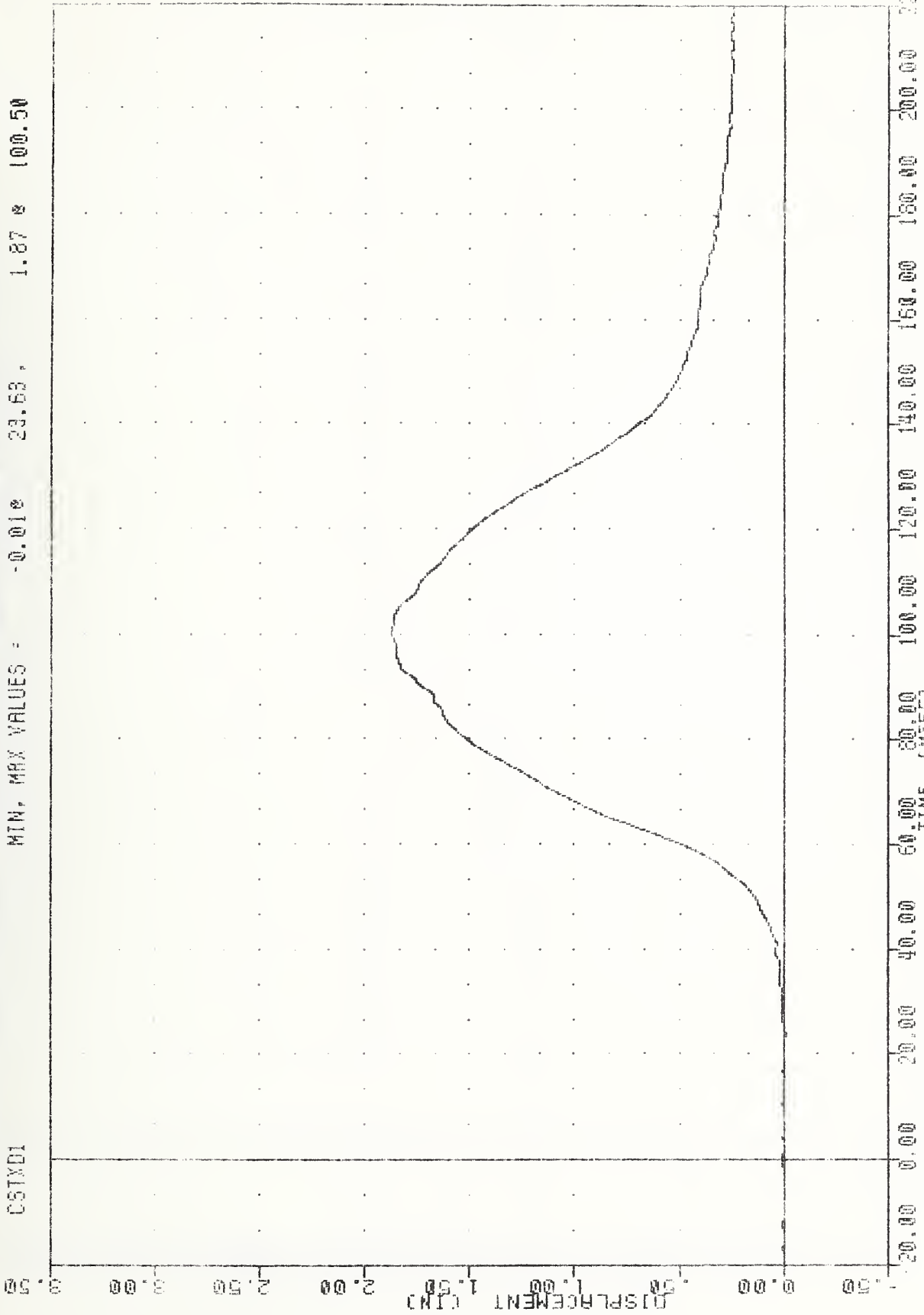
ACCELERATION (G)



220.00 200.00 180.00 160.00 140.00 120.00 100.00 80.00 60.00 40.00 20.00 0.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
DRIVER CHEST ACCELERATION

VATIC RD384-4-15 PLOT DATE 30-APR-85 09:31:31
 BREED AIRBAG SLED PROGRAM
 05109 FILTER = 6LFF 300/ 919/ -40
 CSTXD1 MIN. MAX VALUES = -0.012 23.63 1.87 * 100.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER CHEST DISPLACEMENT INCHES

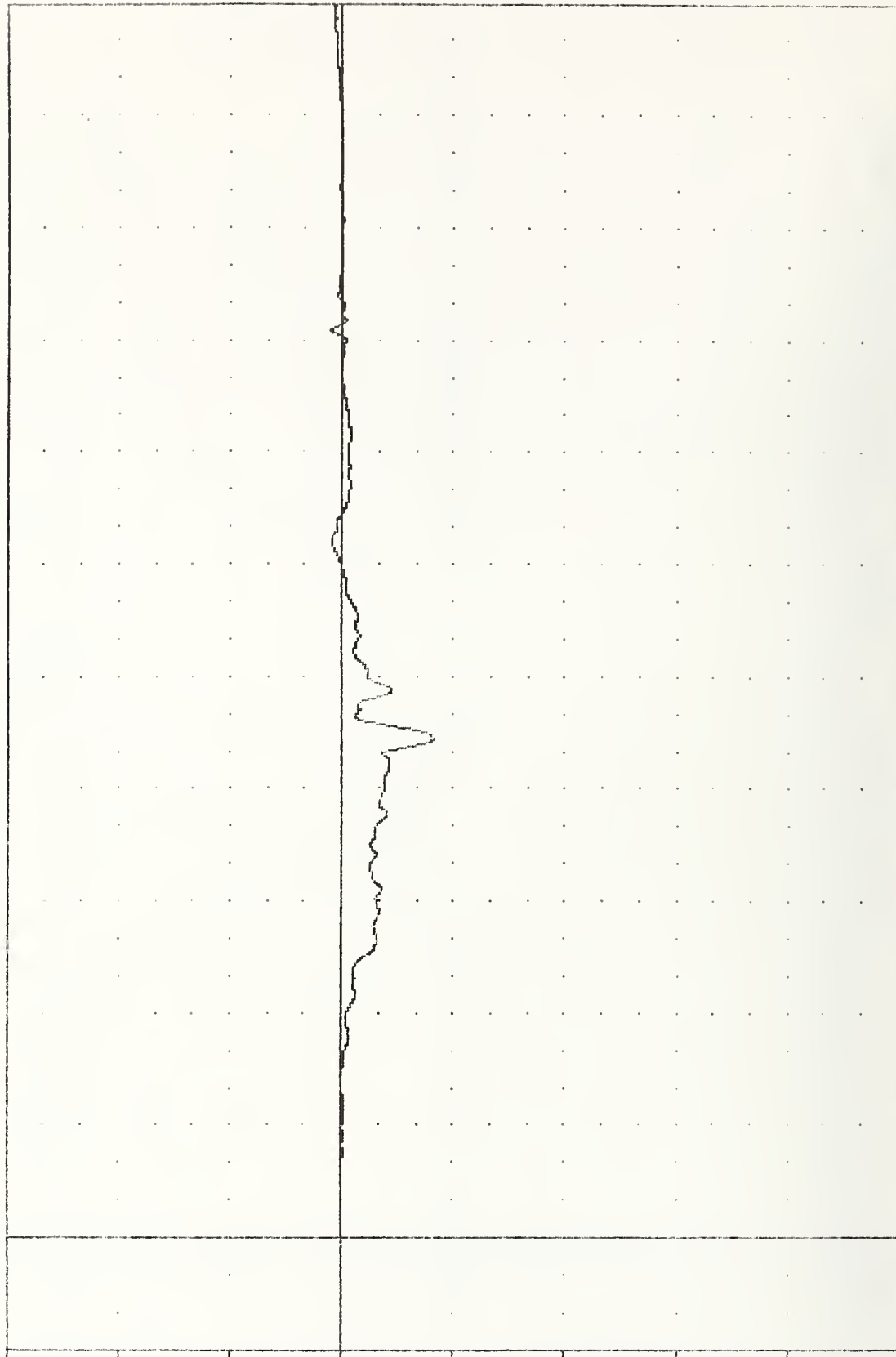
VRTC , 50384-4-16
BREED FIBRE SLED PROGRAM
85109
USTX61

PLOT DATE 30-APR-85 08:10:31

FILTER = BLFF 300/ 949/ -40

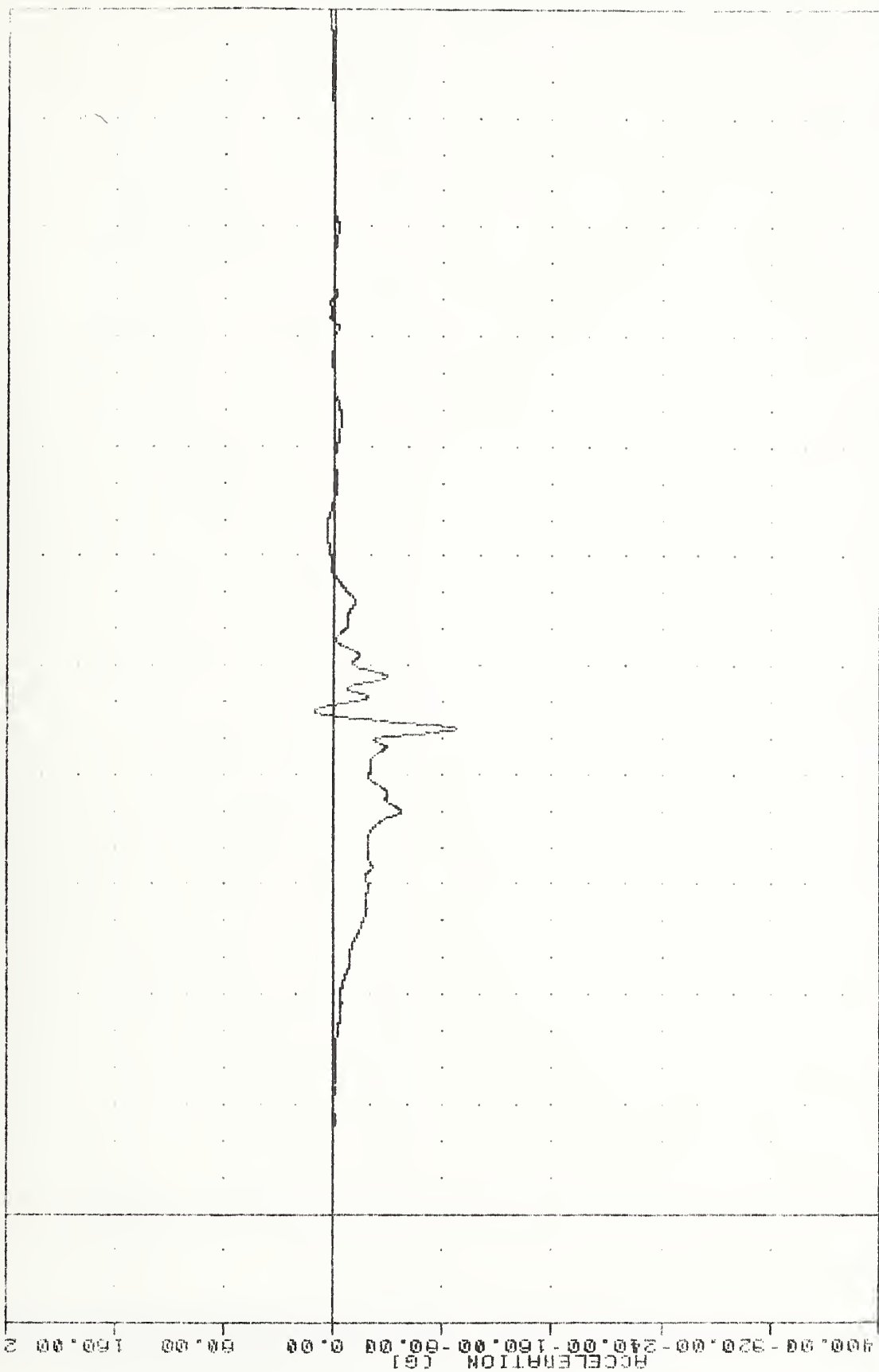
MIN, MAX VALUES = -65.50e 68.80 , 7.98 e 161.75

ACCELERATION (G)
-400.00 -320.00 -240.00 -160.00 -80.00 0.00 80.00 160.00 240.00



TIME (CMSEC)
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
DRIVER UPPER STERNUM ACCELERATION Y AXIS

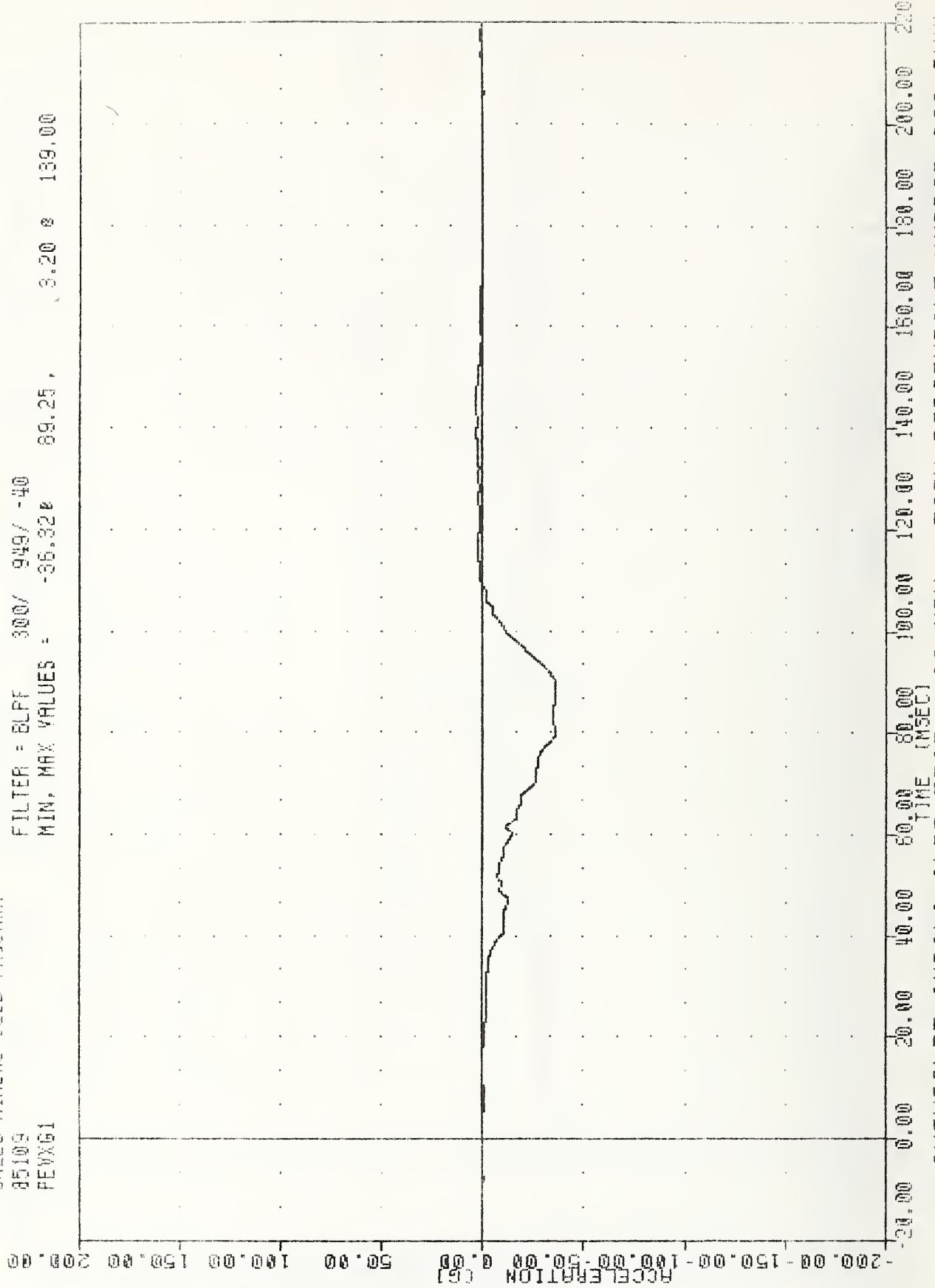
VRTI . R0284-4-1a PLOT DATE 30 APR 85 08:10:31
 BREED R18896 SLED PROGRAM
 25102 FILTER = BLPF 500/ 949/ -40
 L5TX61 MIN. MAX VALUES = -90.47% 88.58 , 14.32 0 91.53



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 ACCELERATION (G)
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUNA
 DRIVER LOWER STERNUM ACCELERATION X AXIS

NRIC , R0324-4-16
BREED AIRBAG SLED PROGRAM
85109
PEVXG1

PLOT DATE 30-APR-85 08:10:31
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -36.32 69.25 , 3.20 139.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
DRIVER PELVIS ACCELERATION AXIS

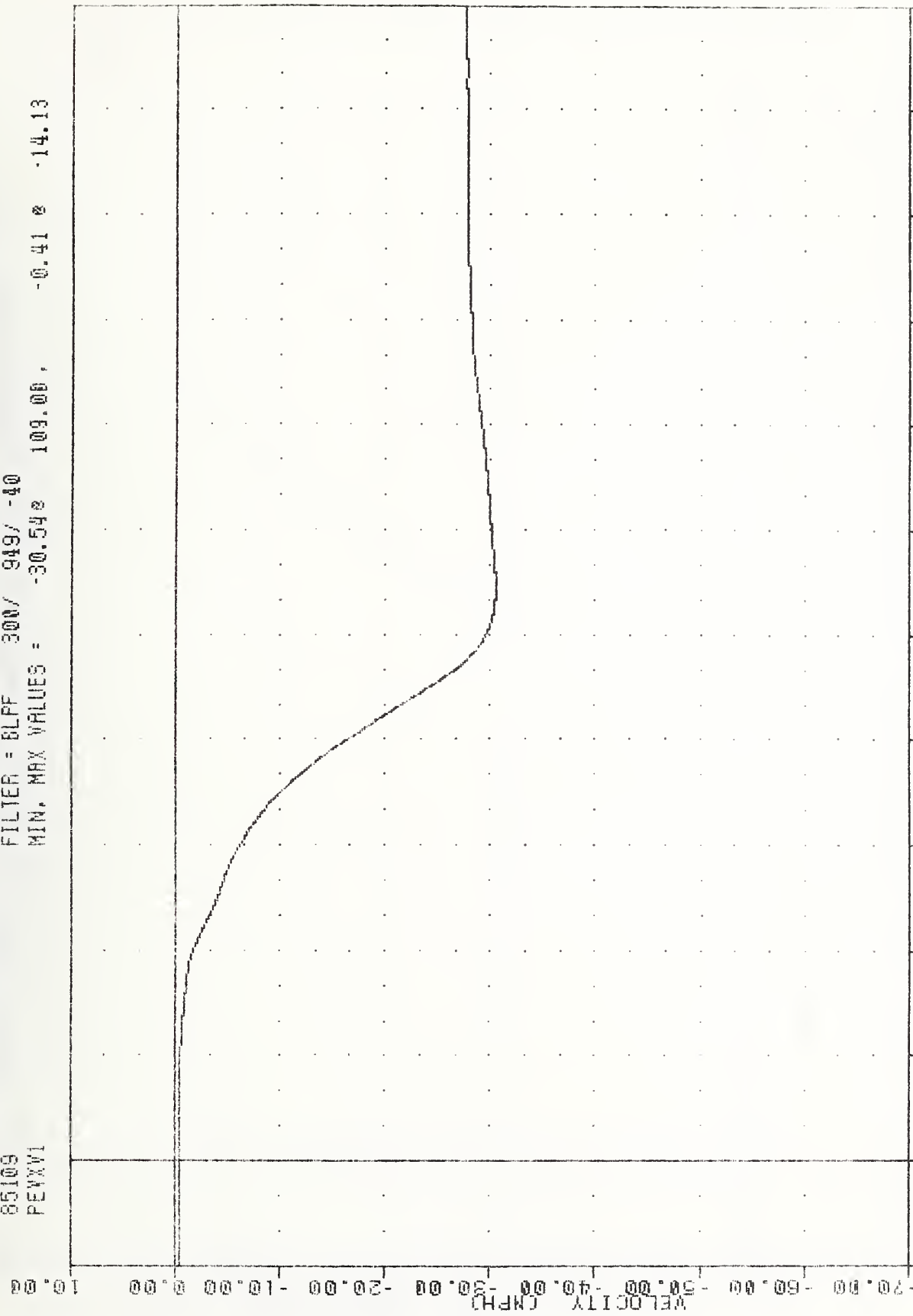
VRIC : 80384-4-16 PLOT DATE 30-APR-85 08:58:52

SPEED AIRBAG SLEO PROGRAM

85109 PEVXV1

FILTER = 8LFF 30N/ 949/ -40

MIN. MAX VALUES = -30.54e 109.00, -0.41 e -14.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING PEVXV1

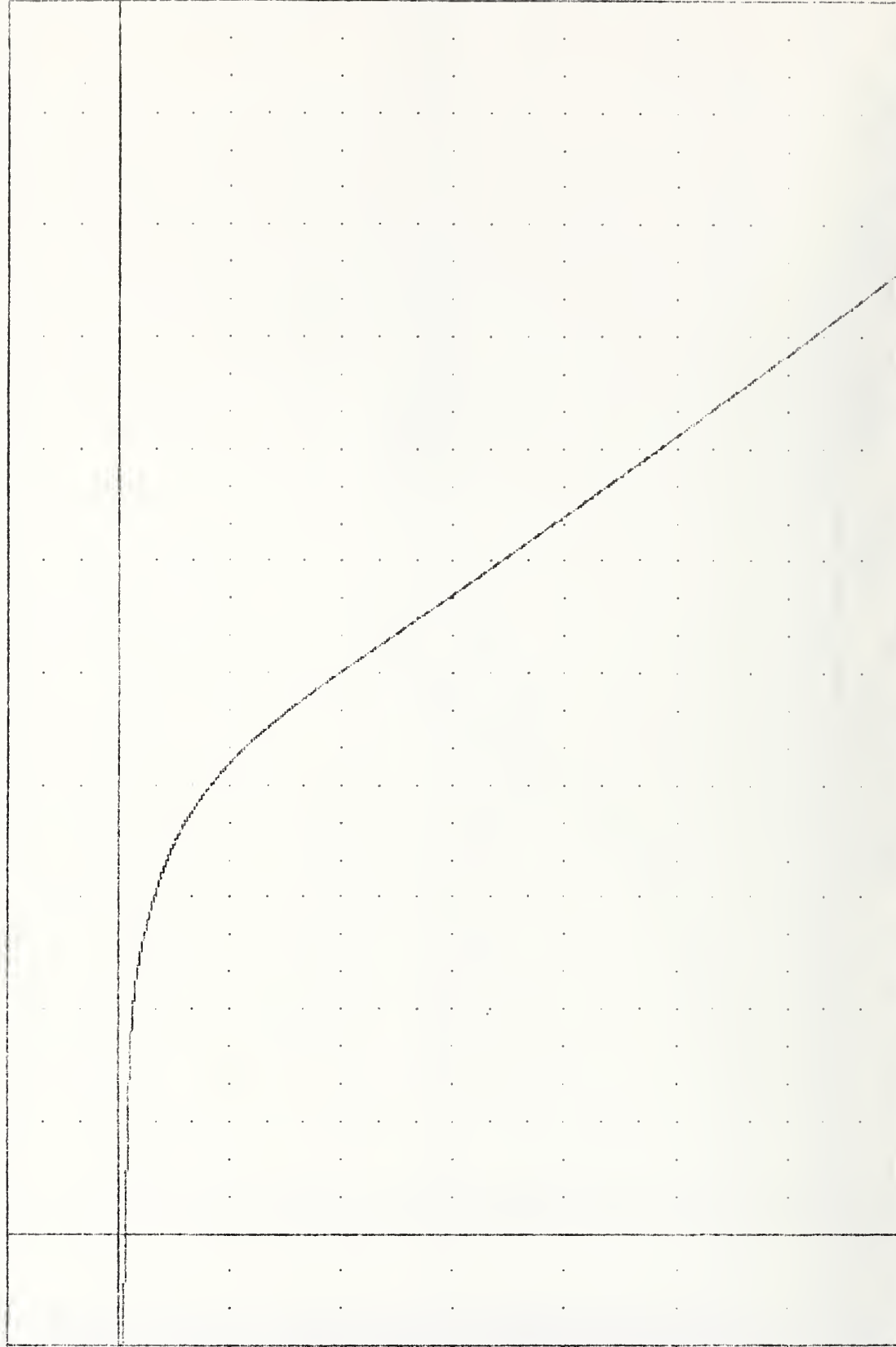
VRTO , R0384-4-16
BREED AIRRAG SLED PROGRAM
35109
PEVX01

PLOT DATE 30-APR-85 08:58:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -51.17e 220.00 , -0.23 e -20.00

DISPLACEMENT (IN) -20.00 -25.00 -30.00 -35.00

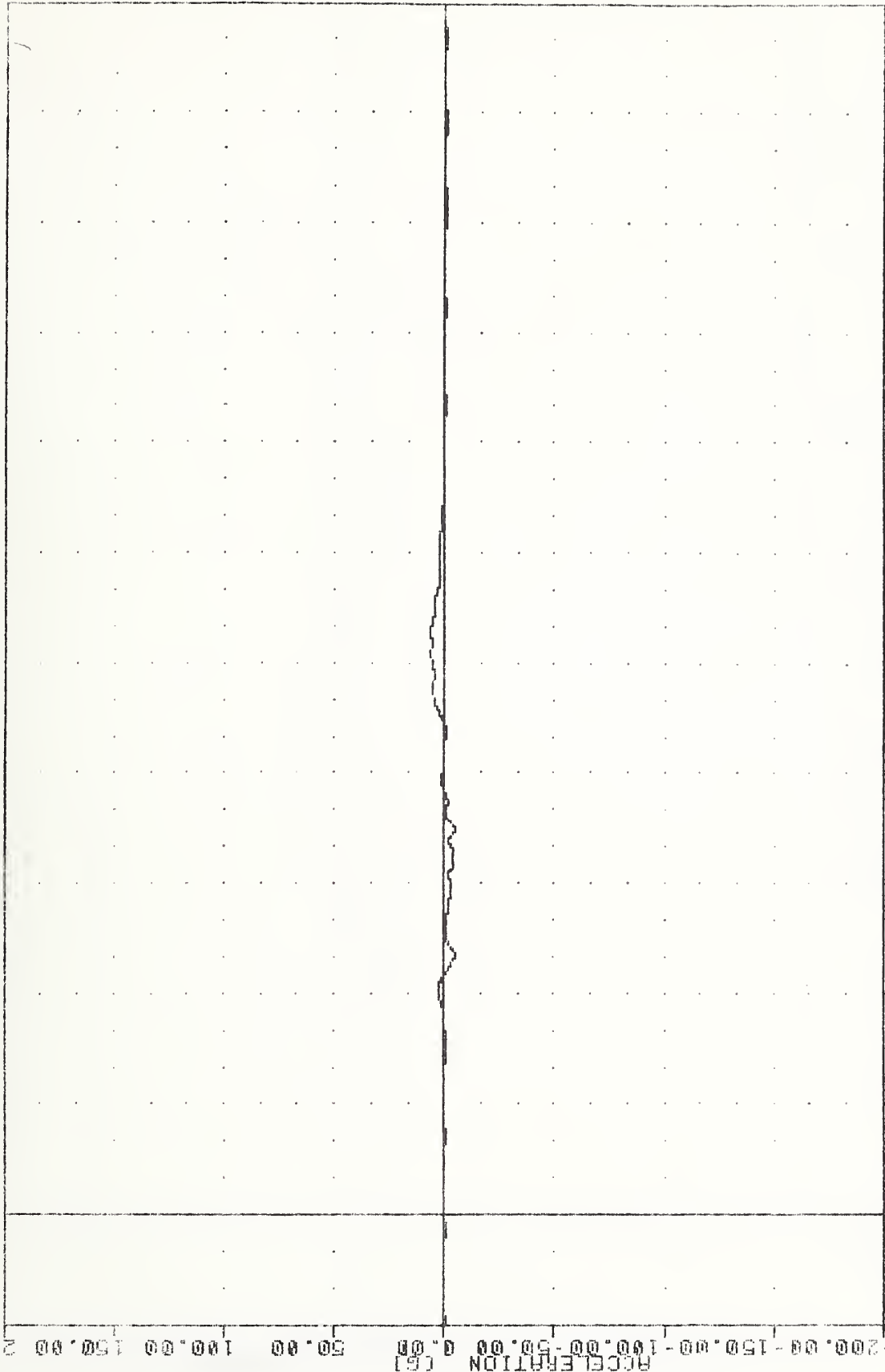


TIME (NSEC) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PEVX01

PART: R0384-4-15
 BREED AIRBAG SLED PROGRAM
 85109
 PEVY61

PLOT DATE 30-APR-85 08:10:31
 FILTER = 6LPF 300/ 949/ -40
 MIN. MAX VALUES = -5.18e 46.88 5.62 101.75



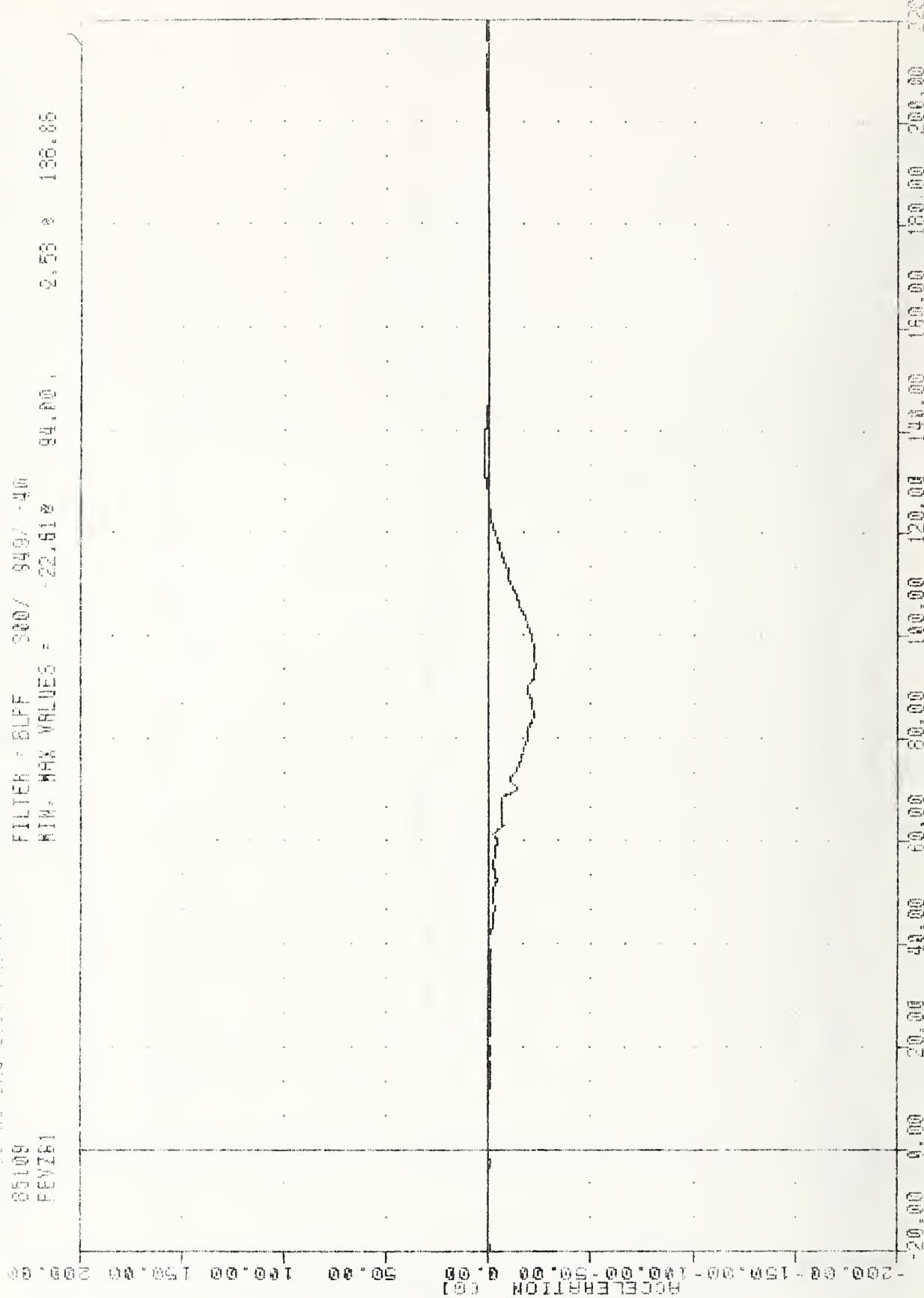
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
 ACCELERATION (G)

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

05109
 PEVZ61
 05109
 FILTER : 6LFF 300 / 949 / -40
 MIN. MAX VALUES : -22.61% 94.00 , 2.53 e 136.86

30 APR-85 08:10:31



CHEVROLET INCALA SLED TEST - 90 MPH - 50TH PERCENTILE HYBRID III DUM
 05109 PEVZ61 ACCELERATION

VOTE , RD984-4-16 PLOT DATE 30-APR-85 08:10:31

BREED AIRBAG SLED PROGRAM

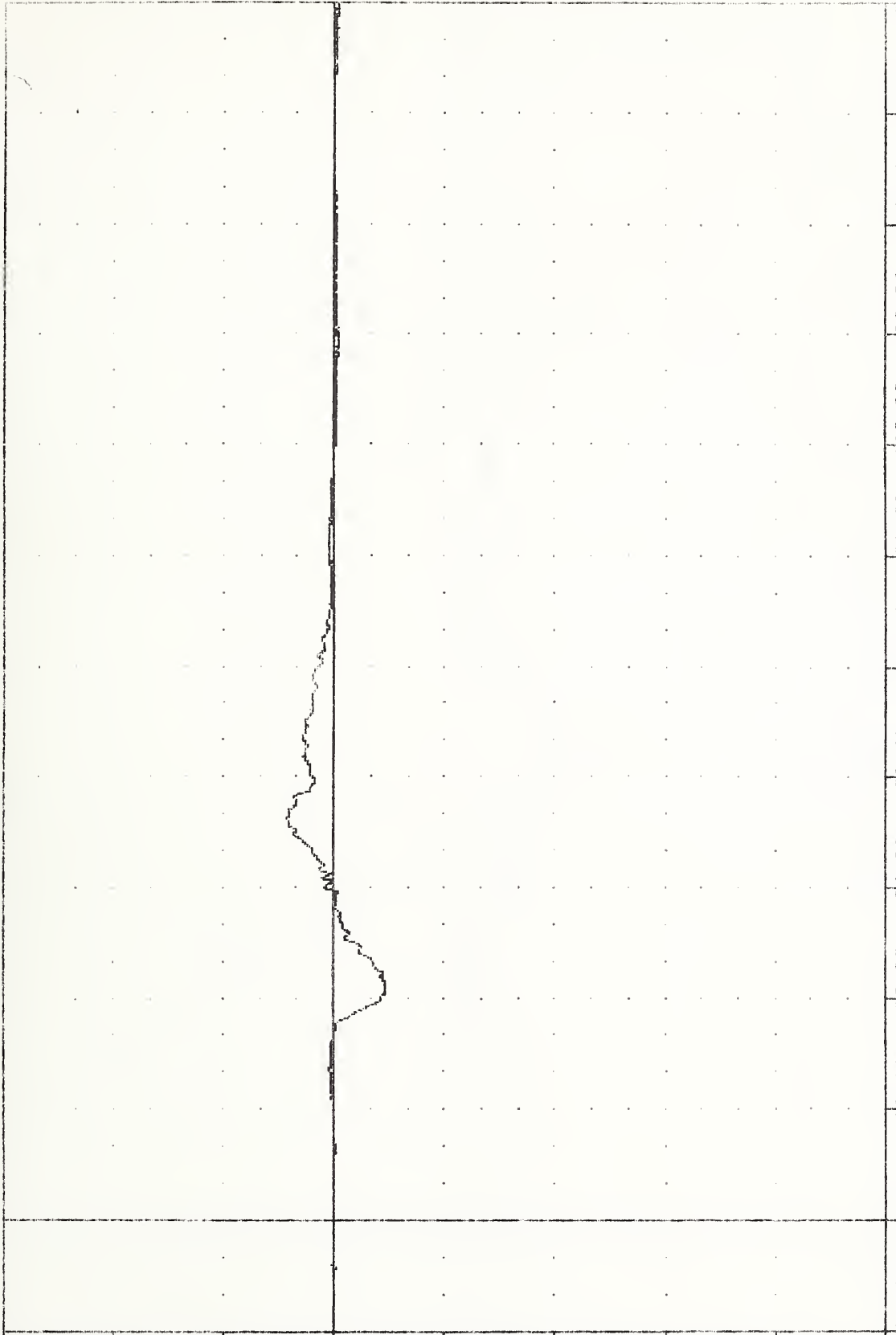
85109

LFMF1

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -284.42e 41.50, 251.73 e 72.86

FORCE (LBS) (X10³)

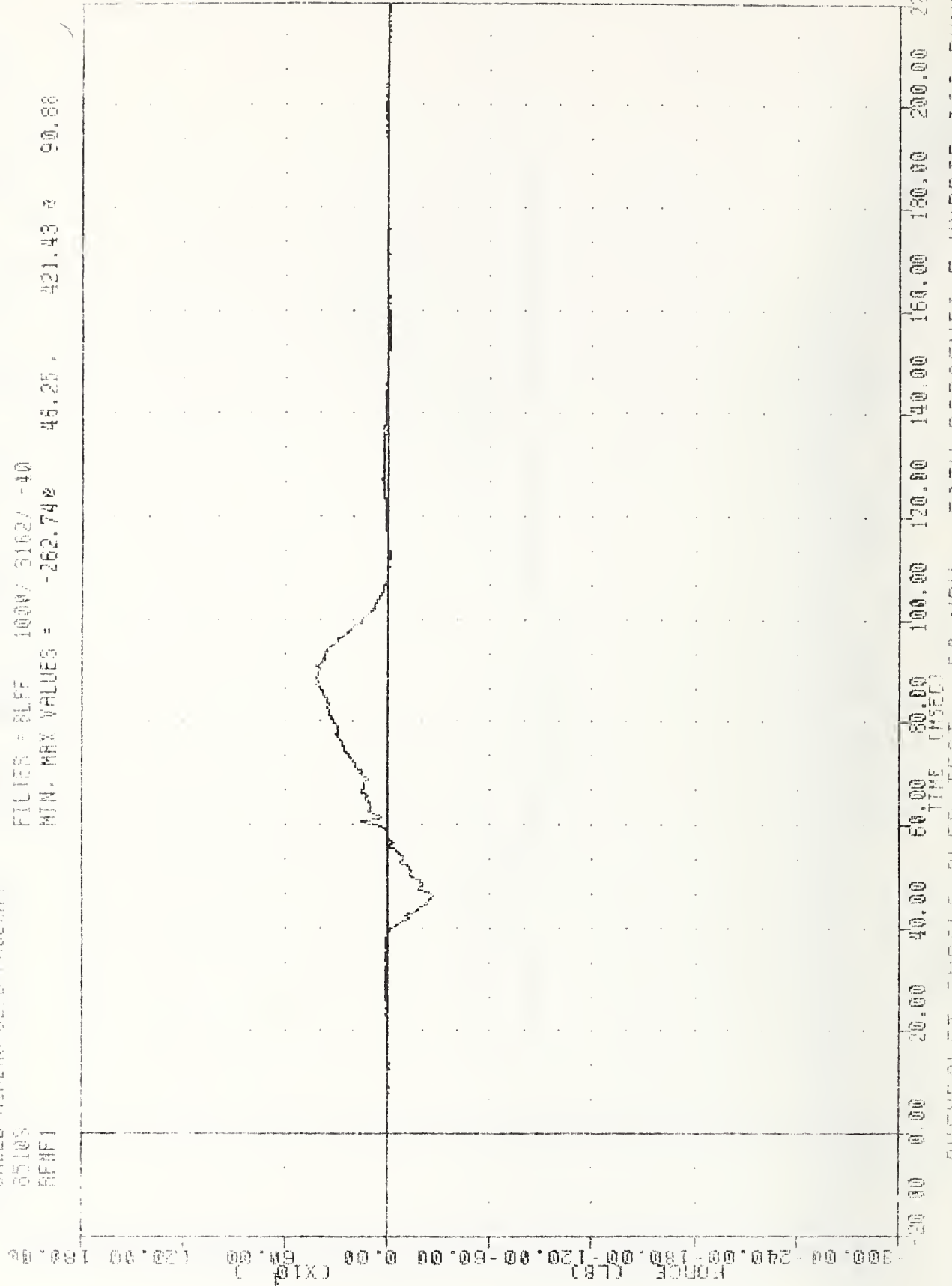


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUNN
 DRIVER LEFT PENUS FORCE

FILE: 80008-0-1F
 SAVED THROUGH SLED PROGRAM
 05109
 RHF1

FILE NAME: 80-80008-0F 3:41:10 PM

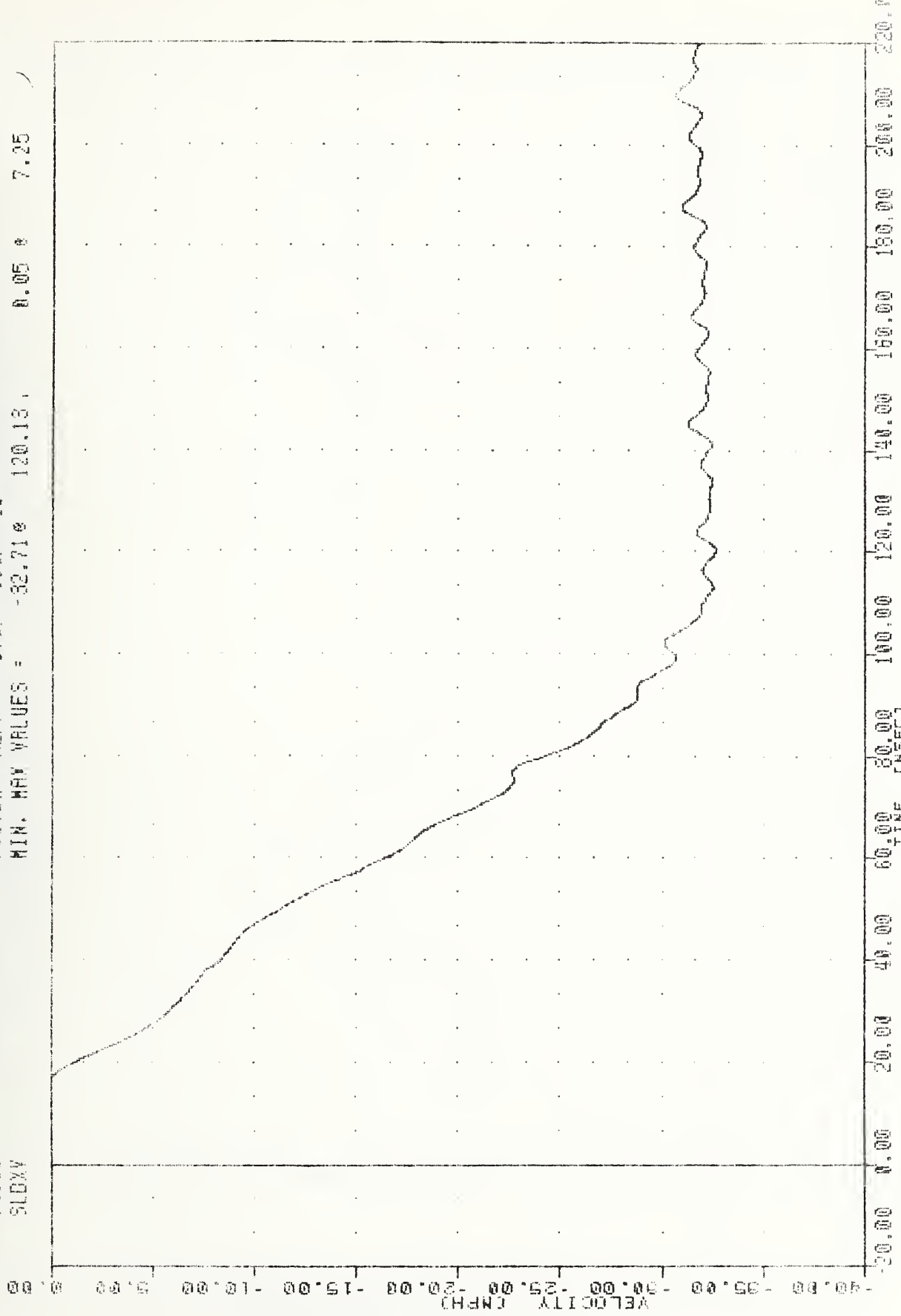
FILTERS = BLFF 100V/ 31627 -40
 MIN. MAX VALUES = -262.740 46.25 , 421.43 0 90.88



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER'S RIGHT FEMUR FORCE

05109
 SLDXV
 05109
 BREED HYBRID SLED PROGRAM
 *R0384-1-16
 PLOT DATE 12-27-88 08:10:31

FILTER = ALPF 100/ 316/ 40
 MIN. MAX VALUES = -32.71e 120.13, 0.05 e 7.25



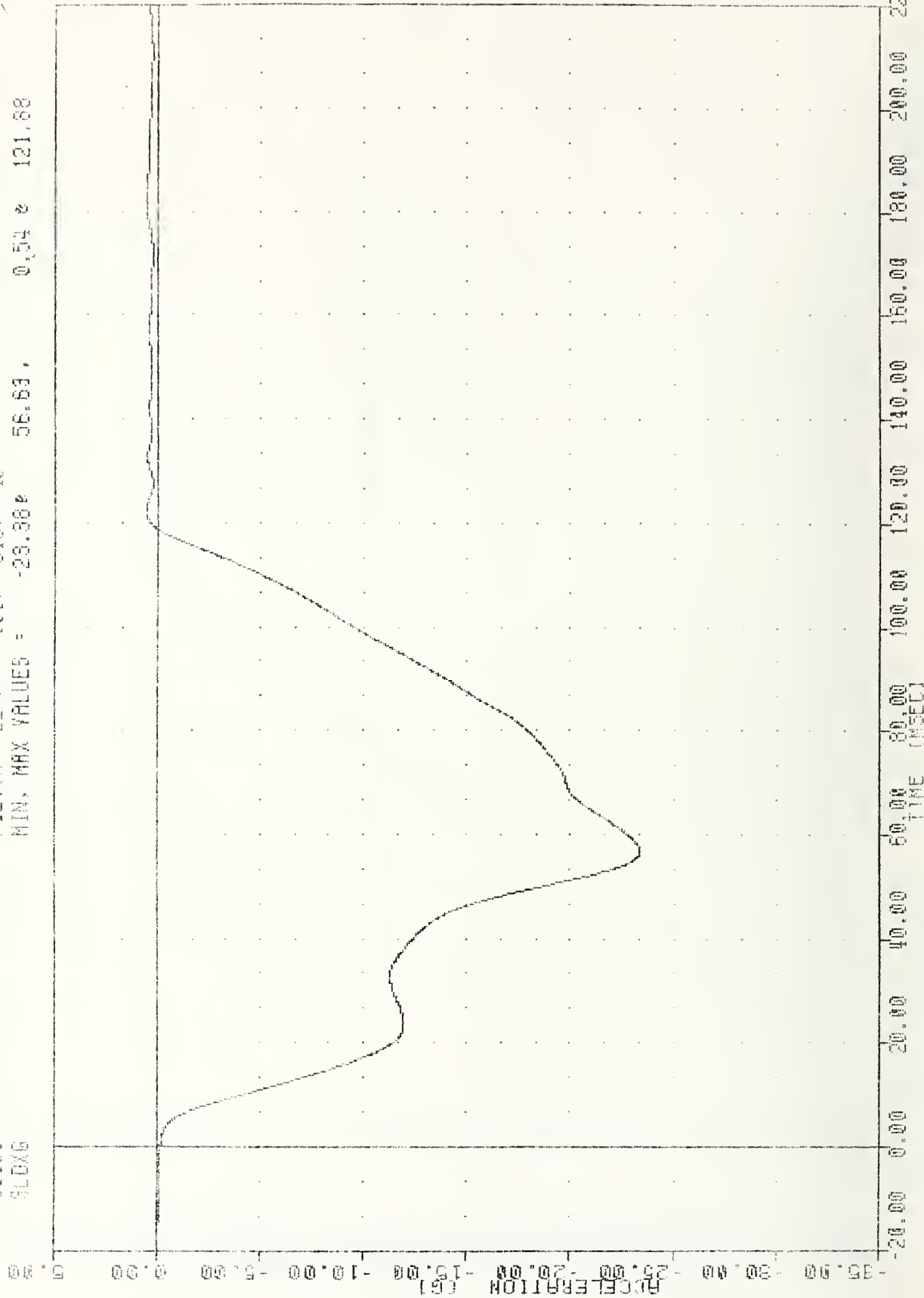
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 SLED VELOCITY (CHRYSLER)

8874 , R0384-4 .6
98220 AVERAGE BLEED FREQUENCY
85109
SLOXG

PLOT DATE 1-MAR-85 11:12:16

FILTER = BLPF 100% 3167 -40

MIN. MAX VALUES = -29.98e 56.63, 0.54 e 121.68



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
SLED ACCELERATION

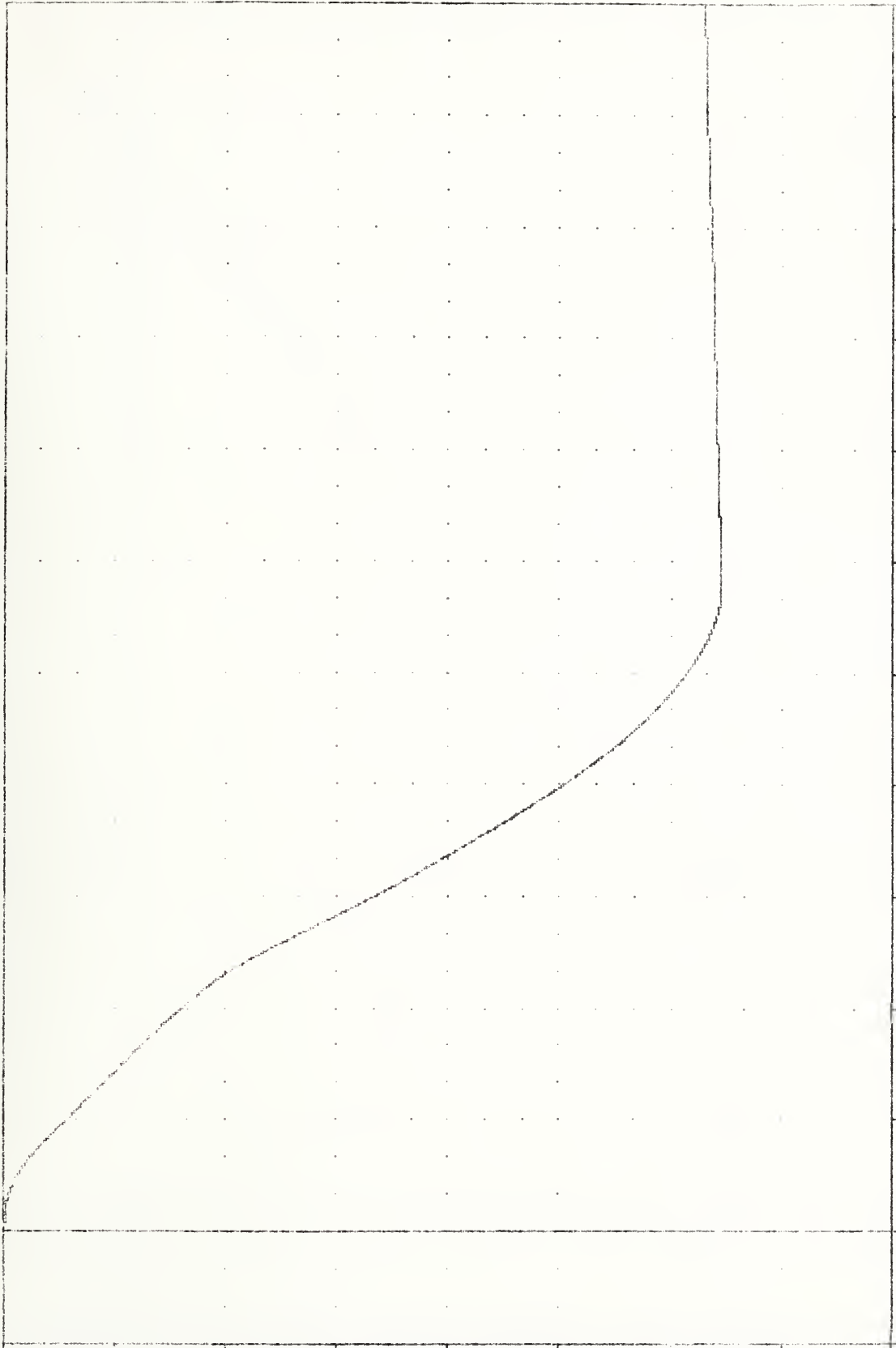
8001 8001 16 11:13:04

SPEED FILTER = BLPF 3007 9457 -40

MIN. MAX VALUES = -92.31E 115.63E -0.00E -20.00E

SLOWVI

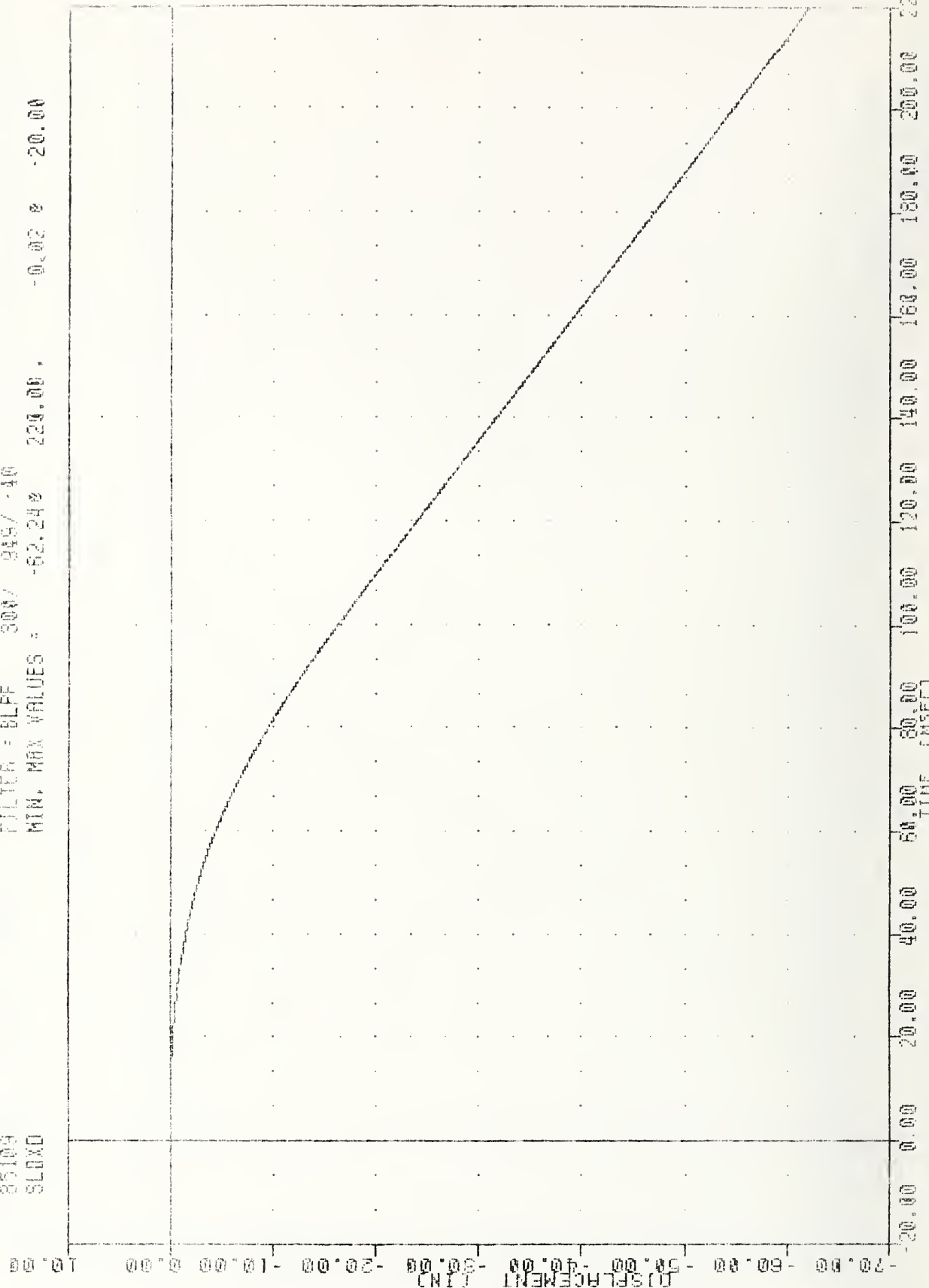
VELOCITY (MPH)



-40.00 35.00 30.00 25.00 20.00 15.00 10.00 5.00 0.00
 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
 SLED VELOCITY INTEGRATE

2410
 54200 4.8586 SLED PROGRAM
 05109
 SLOD

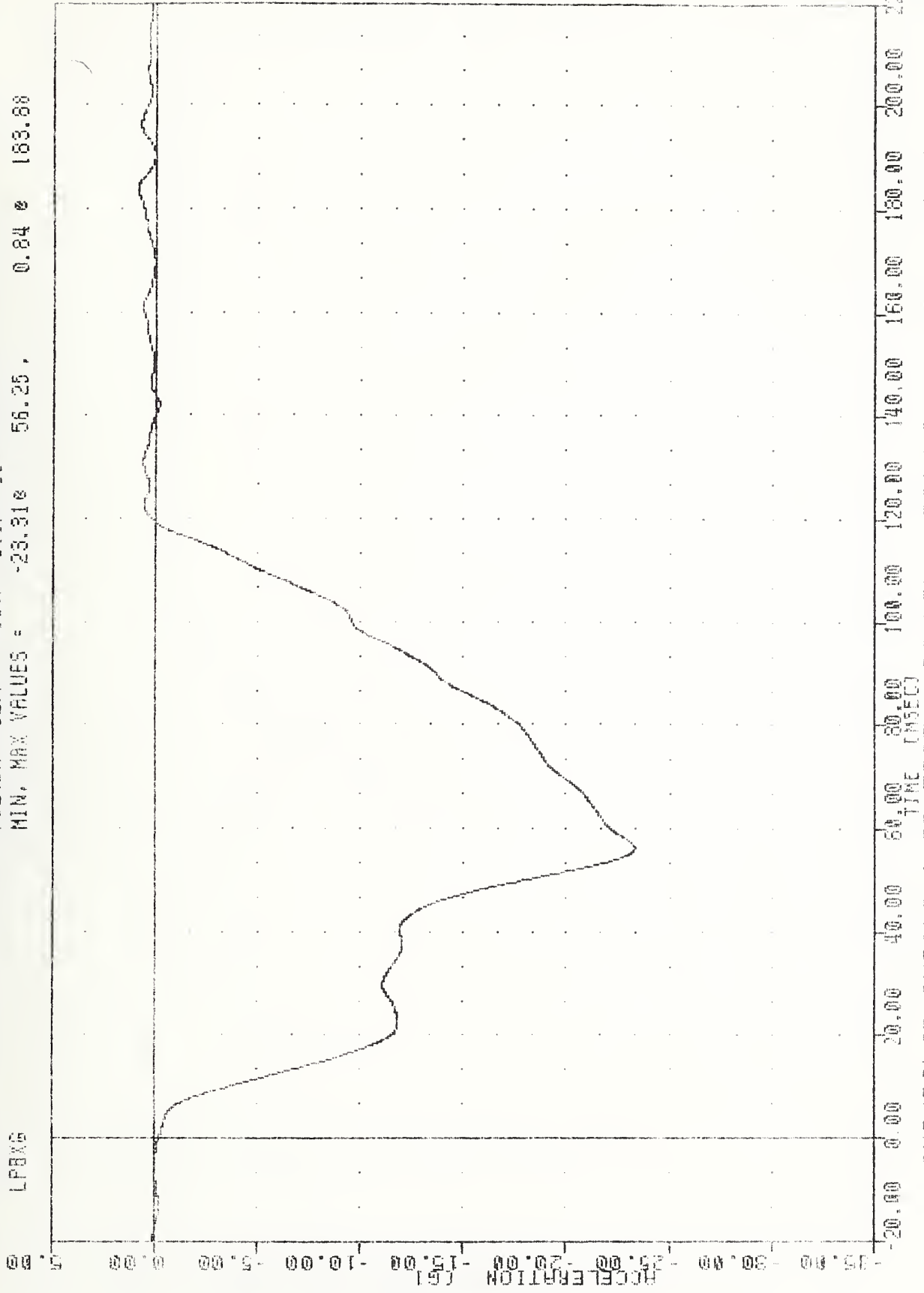
PLOT DATE : MAY-85 11:13:00
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES : -62.240 220.00 * -0.02 * -20.00



CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 05.18.85 VLSINE SLEW

MAIL 80364-4-15
BREED AIRBAG SLED PROGRAM
85109
LPBX6

PLOT DATE 26-APR-85 08:10:41
FILTER = BLFF 10N/ 3167 -40
MIN, MAX VALUES = -23.31g 56.25, 0.84 g 163.6g



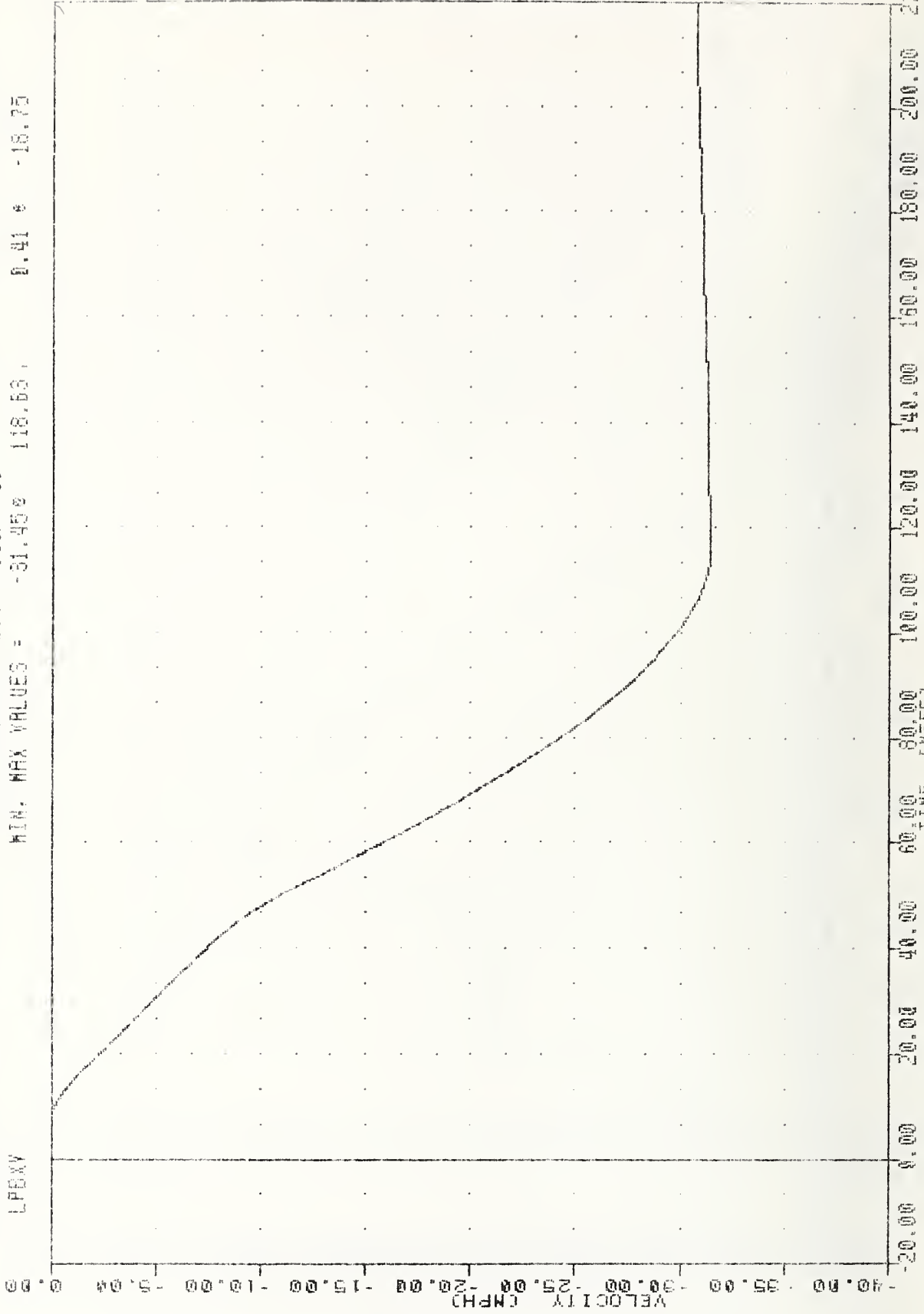
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PULLER LEFT 3 ACCELERATION X AXIS

VITE , R0384-4-19
 8880 AIRBA3 SLED PROGRAM
 85105
 LPOXY

PLOT DATE 30-APR-85 09:58:52

FILTER = 6LFF 500/ 949/ -40

MIN. MAX VALUES = -31.45% 118.63, 0.41 * -18.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

85109 : 85324-1-16 : 30-APR-85 06:58:52

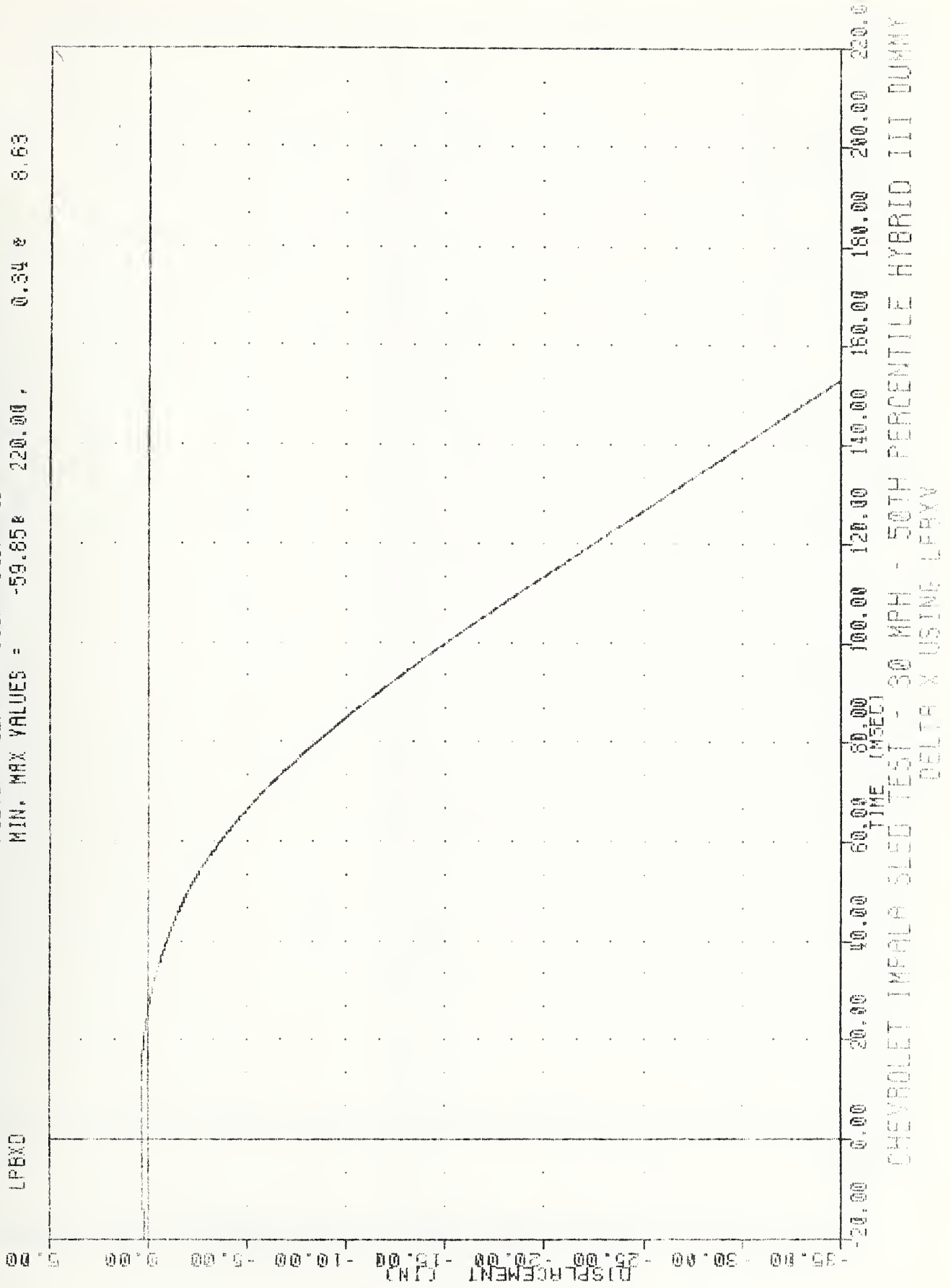
8550 AIRBAG SLED PROGRAM

85109

LPBXD

FILTER = 6LPI 300/ 949/ -40

MIN. MAX VALUES = -59.85 220.00 0.34 8.63



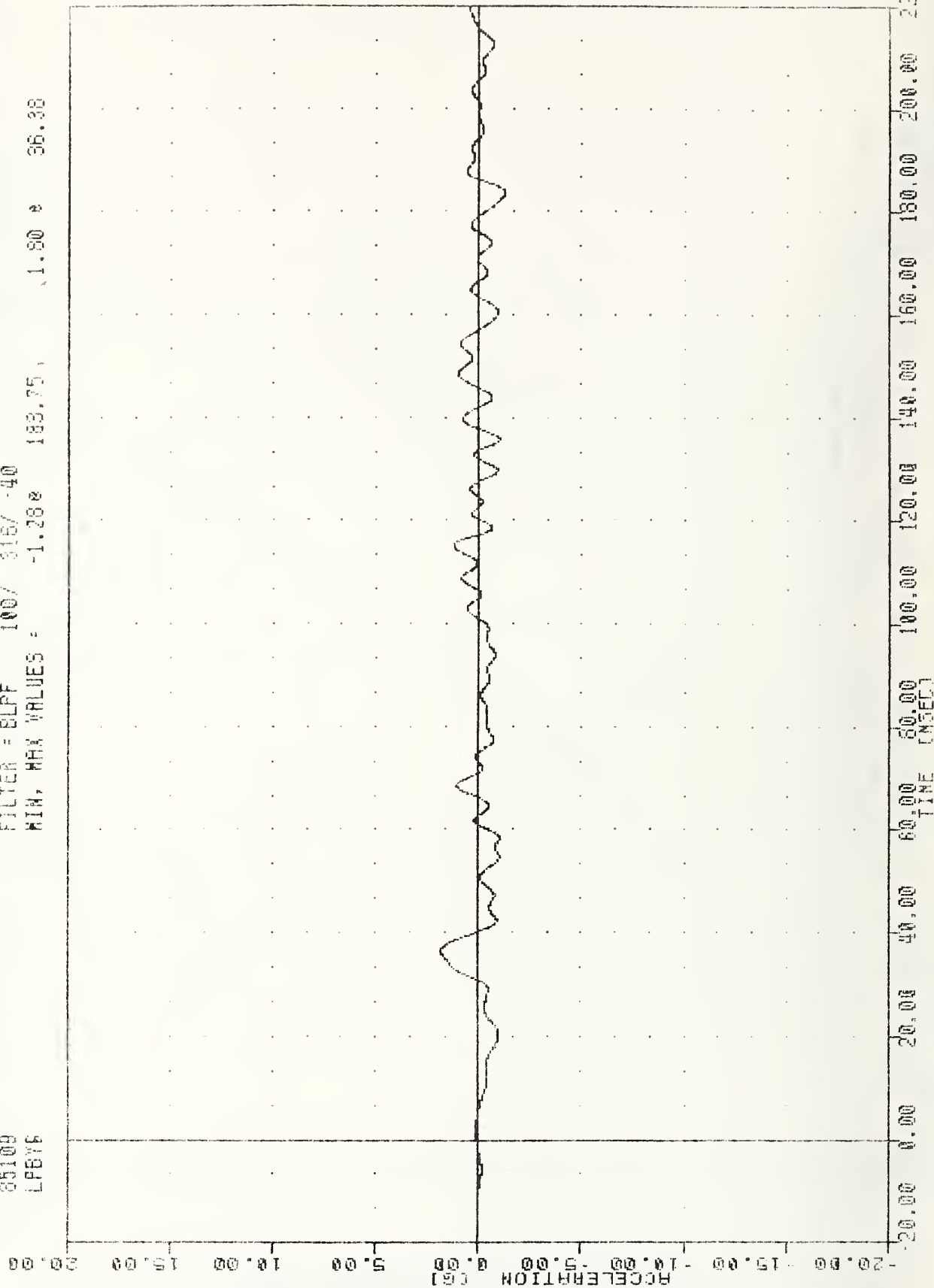
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING LFRVV

DATE: 80384-4-16
ORSCC AIRBAG SLED PROGRAM
05109
LPBYTE

PLOT DATE 30-APR-85 08:10:31

FILTER = SLPF 100/ 316/ -40

MIN, MAX VALUES = -1.28e 183.75, 1.80e 36.38



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUNN
PLU AS (SET B ACCELERATION)

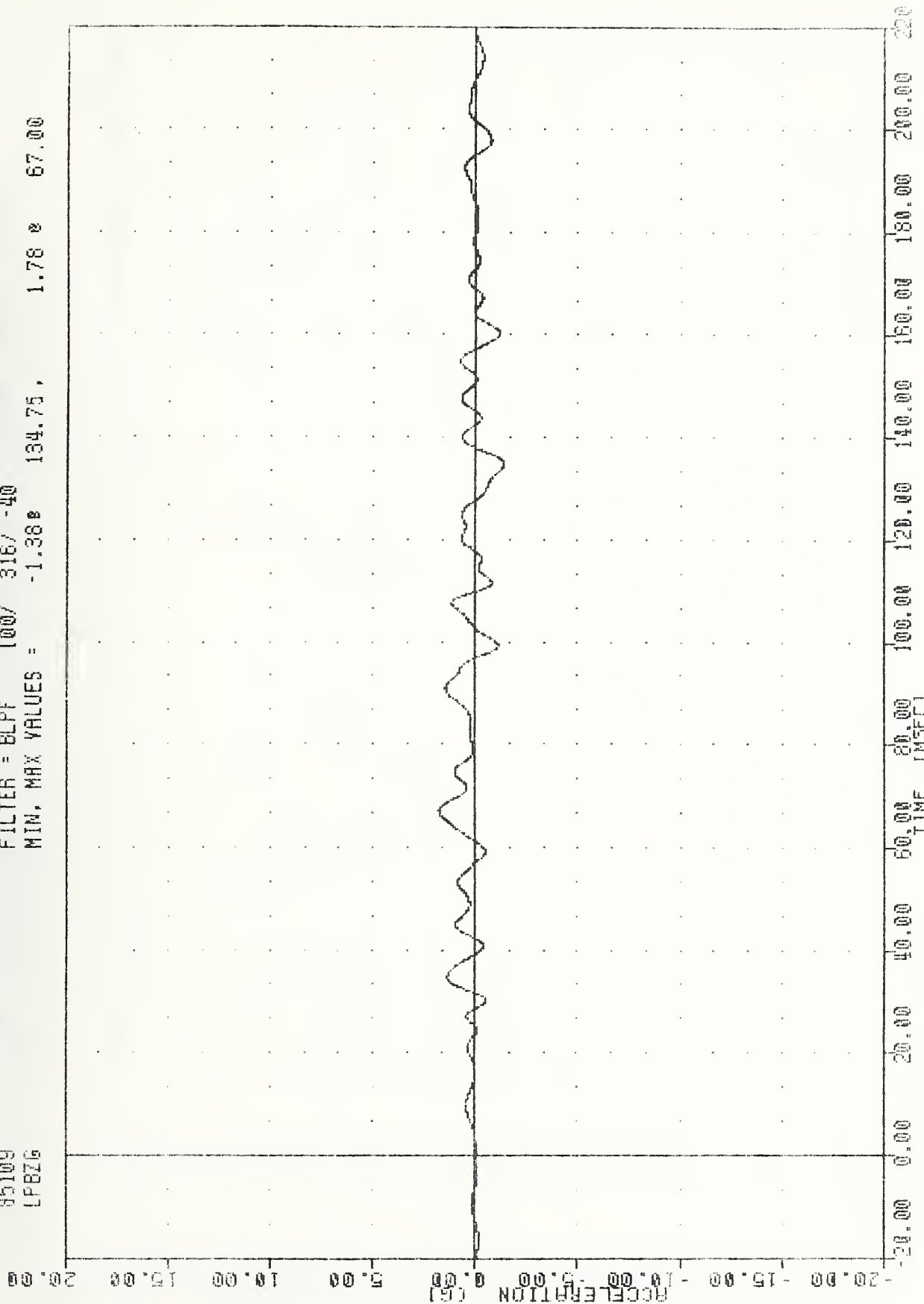
YRTC , R0324-4-16 PLOT DATE 30-APR-85 08:10:31

BREED AIRBORNE SLED PROGRAM

85109
LPBZG

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -1.38e 134.75, 1.78e 67.00

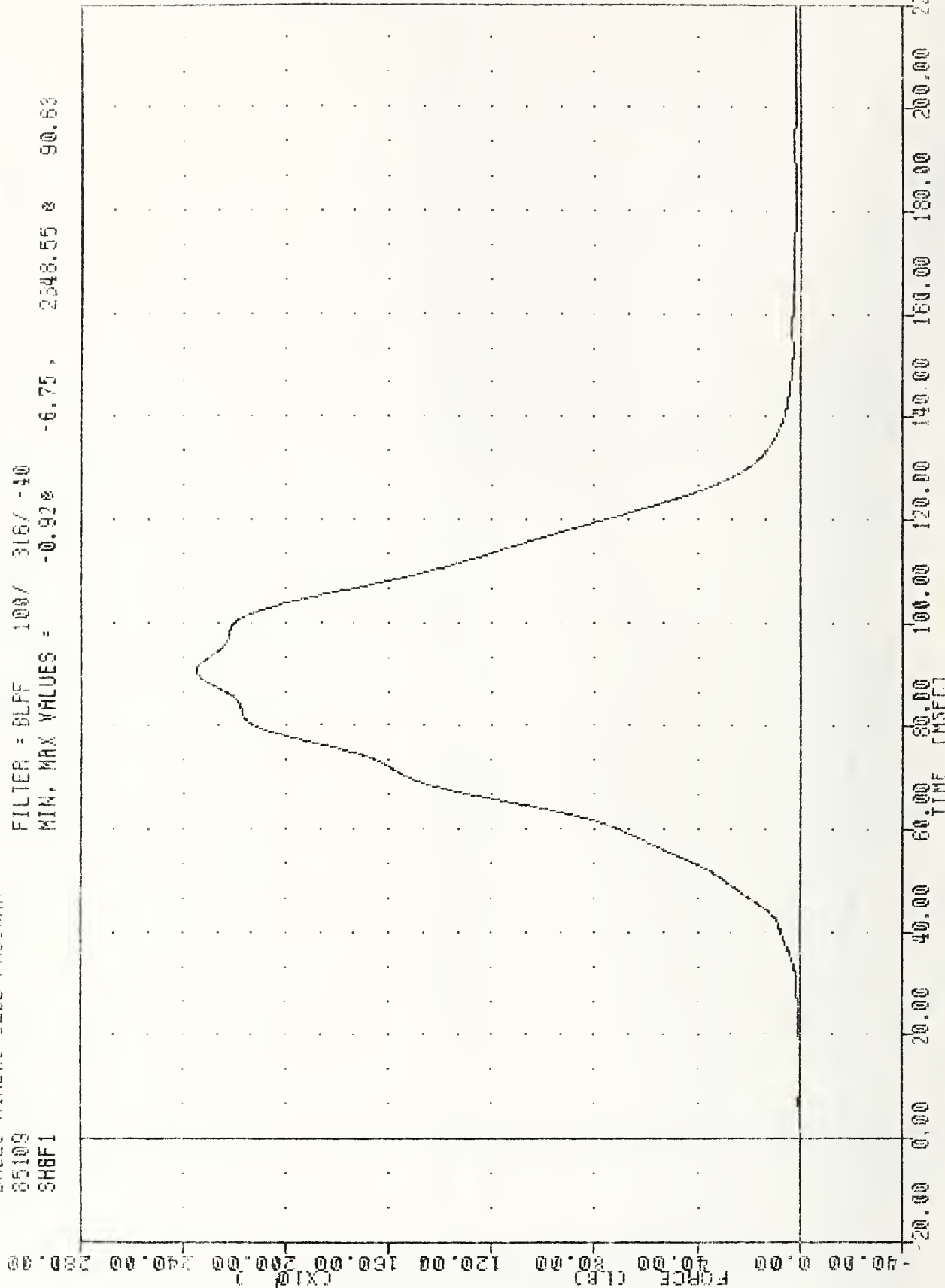


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUNN
FILLAR LEFT B ACCELERATION Z AXIS

DATE: 80304-0 16
 BREED AIRBAG SLED PROGRAM
 85109
 SHBF1

PLOT DATE 20-APR-85 08:10:21

FILTER = BLPF 100/ 316/ -40
 MIN. MAX VALUES = -0.92% 2548.55% 90.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMII
 DRIVER SHOULDER BELT FORCE LBS

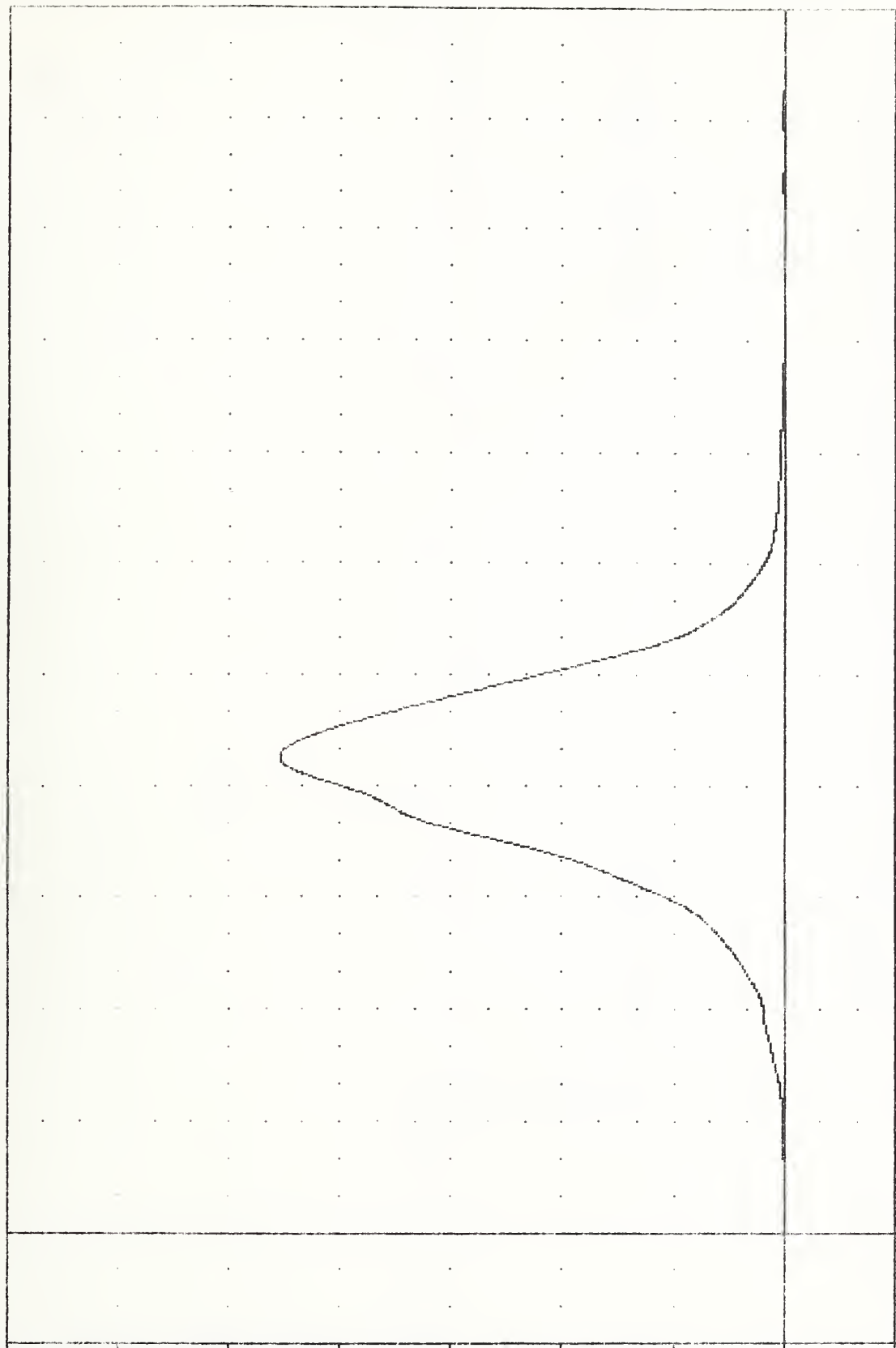
VRIC , F0384-4-16
BREED AIRBAG SLED PROGRAM
85108
LBOFI

PLT DATE 30-APR-85 08:10:31

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -4.45e 176.50, 1817.07 e 85.13

FORCE (LBS)
CX10³



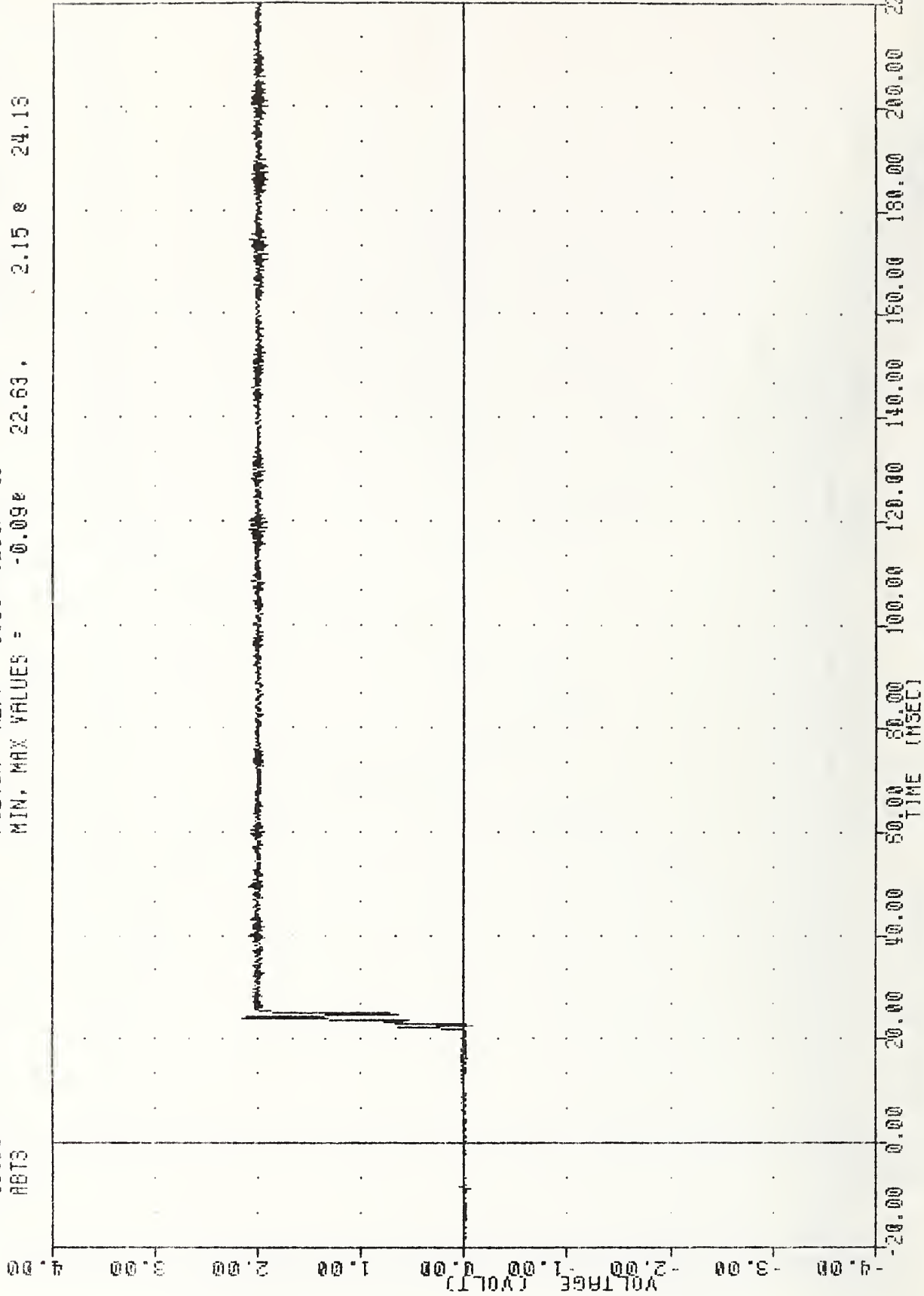
TIME (MSECT)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LAP BELT FORCE LBS

VPIC - R0384-4-16
BREED AIRBAG SLED PROGRAM
85109
ABTS

PLOT DATE 30-APR-85 08:10:31

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.09e 22.63 , 2.15 e 24.13

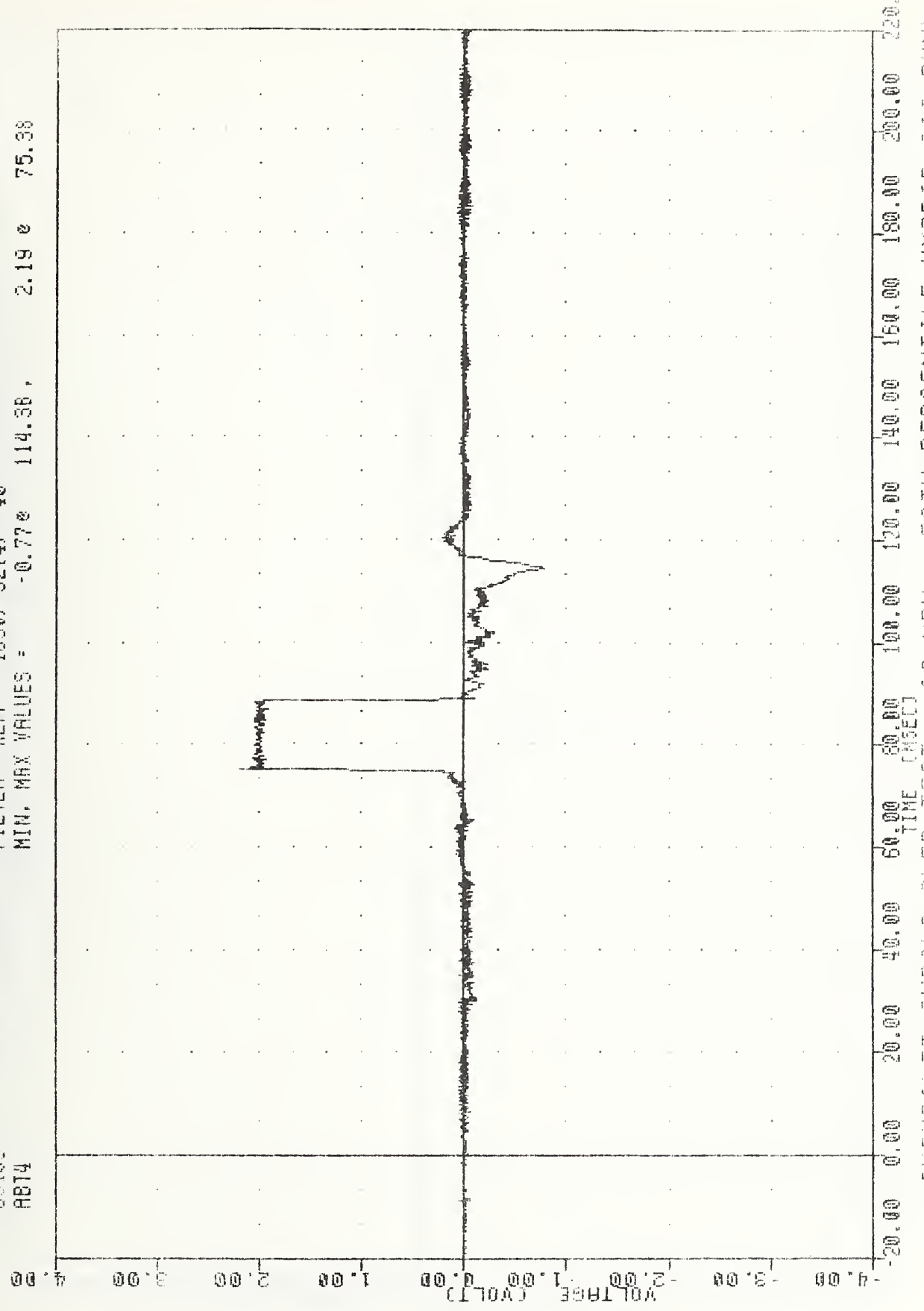


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
BREED B-PILLAR SENSOR

VRIC / RD304-4-16
BREED AIRBAG SLED PROGRAM
05109
ABT4

PLOT DATE 30-APR-85 08:10:31

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -0.77e 114.36, 2.19 e 75.38



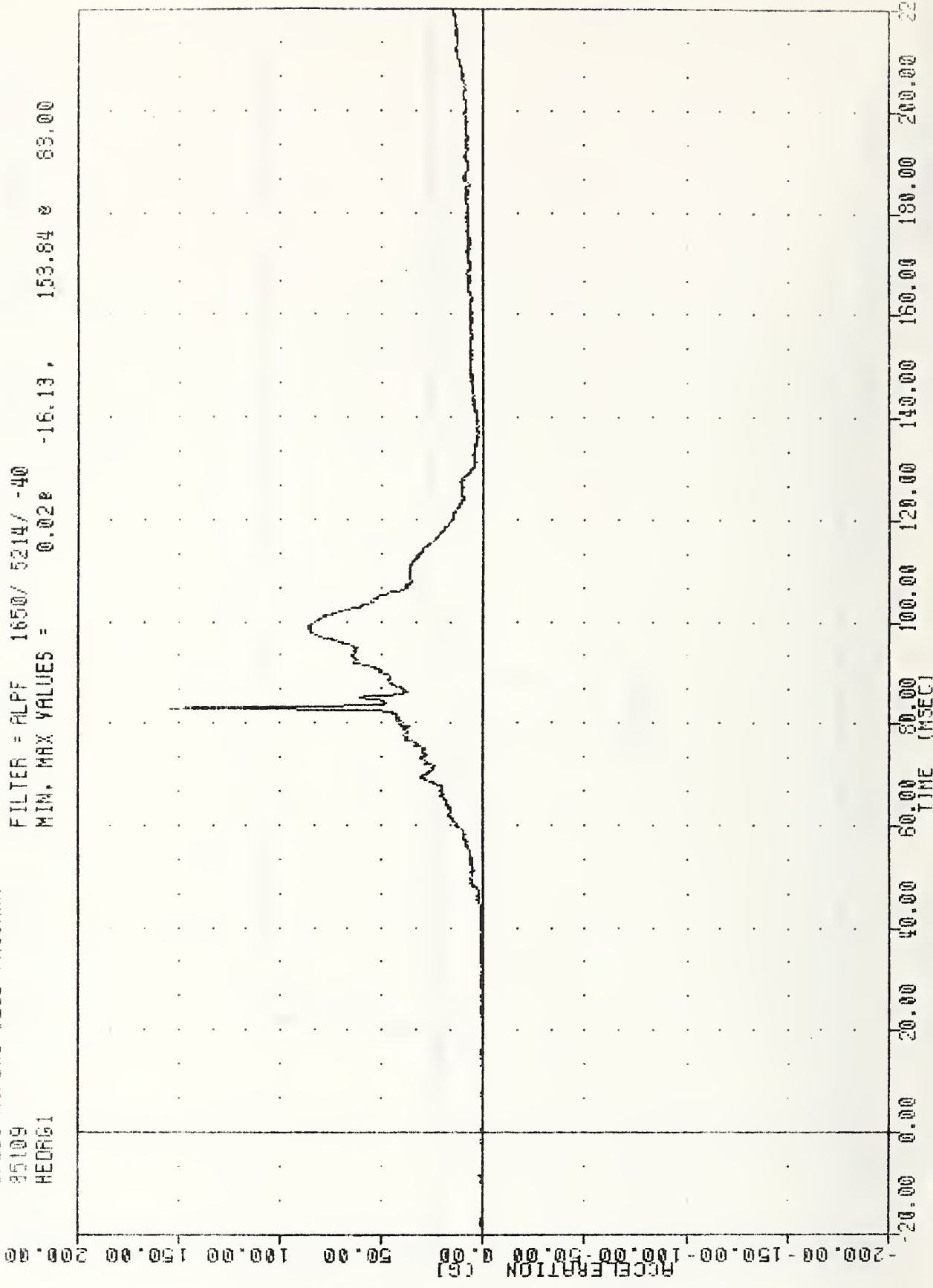
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
KNEE CONTACT

VSTC , R0384-4-16
BREED AIRBAG SLED PROGRAM
35109
HEORIG1

PLOT DATE 30-APR-85 08:10:09

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.02g -16.13, 153.84 g 83.00

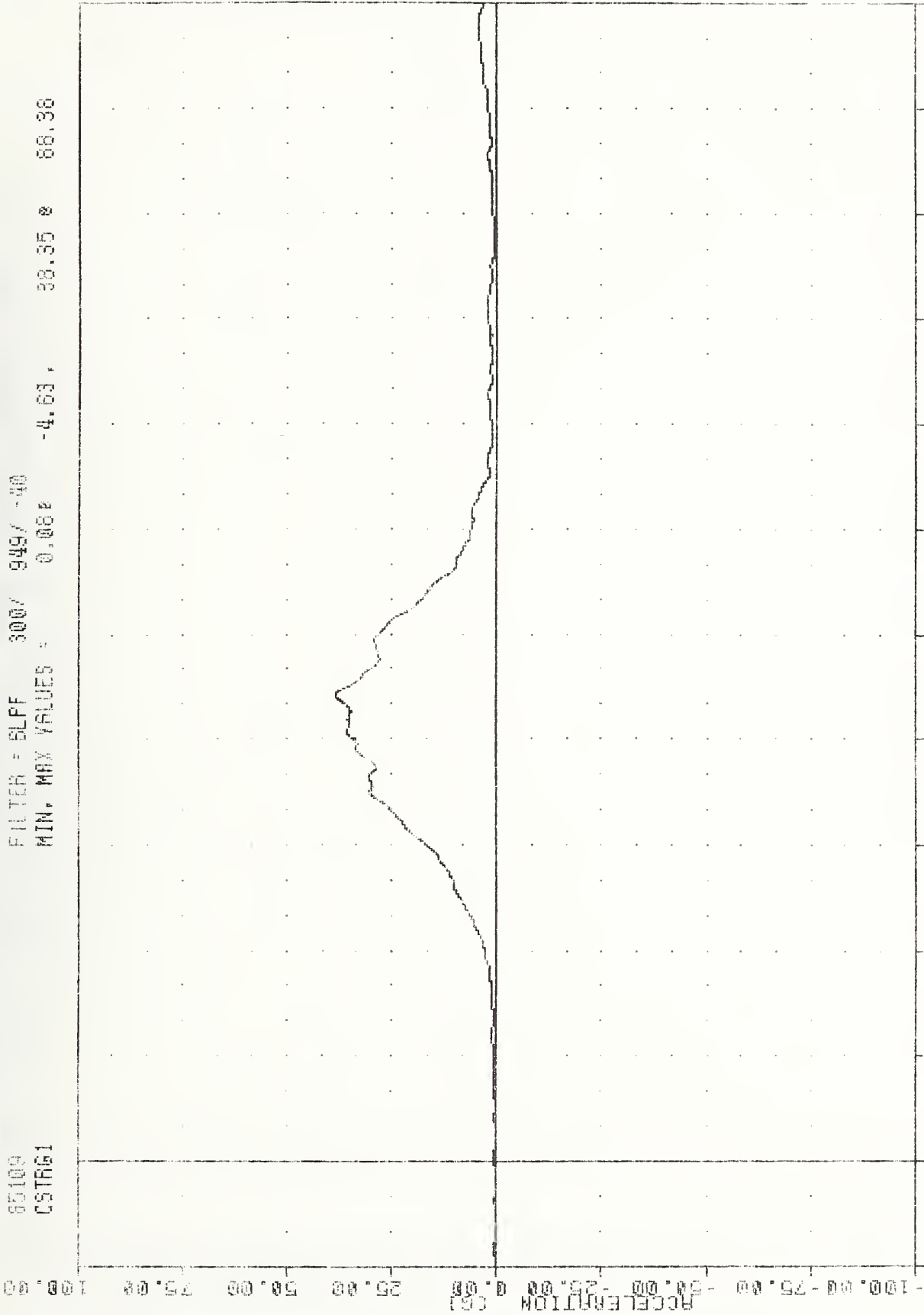


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
DRIVER HEAD RESULTANT

RD394-A-18
BPEED AIRSHG SLED PROGRAM
65109
CSTR61

PLOT DATE 6-MAY-85 09:20:21

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = 0.00E -4.63 , 38.35 * 66.36

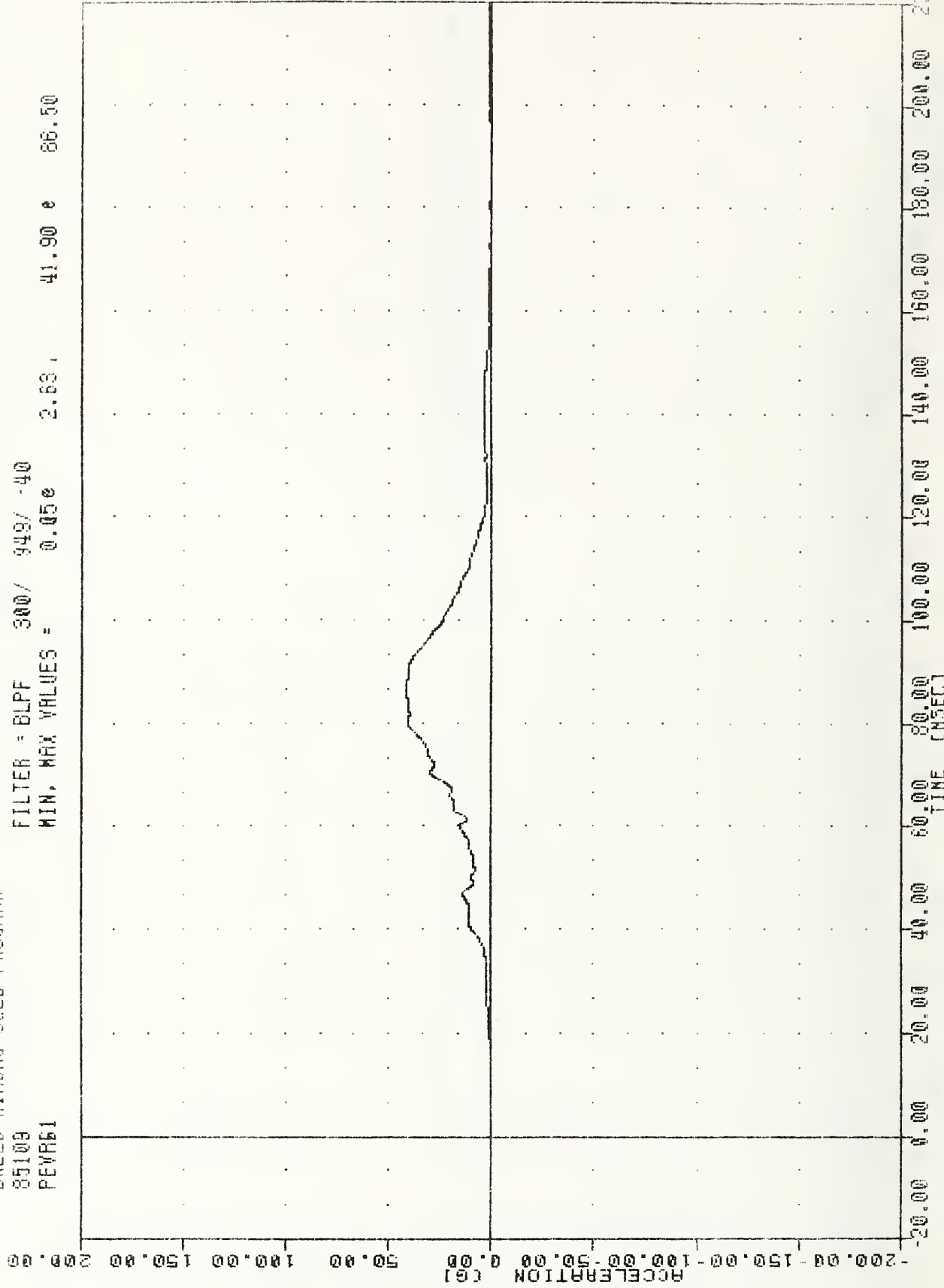


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PRIMER TEST RESULTANT

VRTC
SPEED AIRBAG SLED PROGRAM
85109
PEVRS1

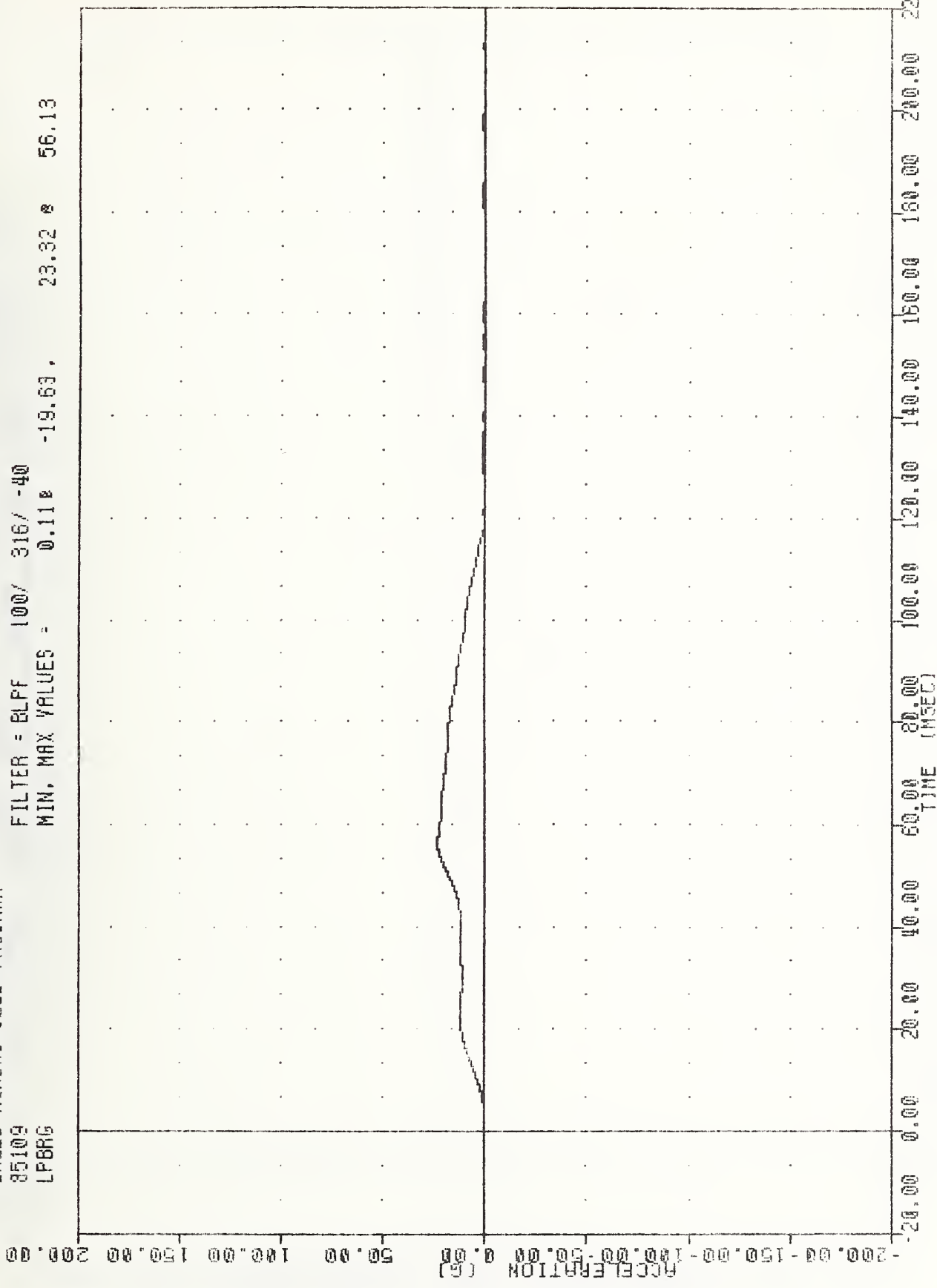
PLOT DATE 30 APR 85 08:10:09

FILTER = BLPF 300 / 949 / -40
MIN. MAX VALUES = 0.05e 41.90 e 86.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS RESULTANT

VRTC , R0384-4-16 PLOT DATE 30-APR-85 08:10:09
 BREED AIRBAG SLED PROGRAM
 85109 FILTER = BLFF 100/ 316/ -40
 LP6RG MIN. MAX VALUES = 0.11# -19.63, 23.32 # 56.13



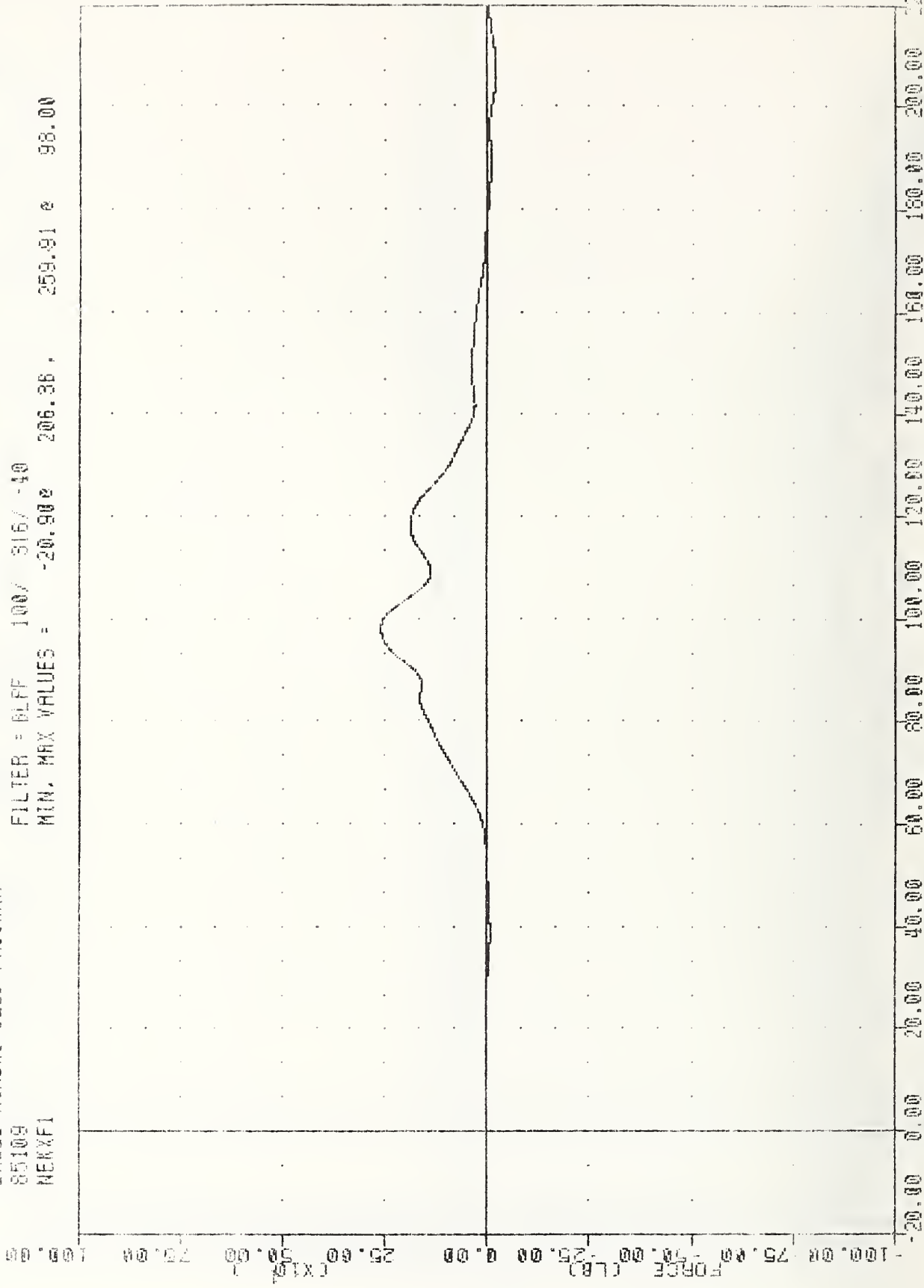
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
 PILLAR LEFT B RESULTANT

VATIC
85109
NEKXF1
BRIEO AIRBAG SLED PROGRAM

PLUT DATE 20-APR-85 09:51:10

FILTER = BLFF 100/ 315/ -40

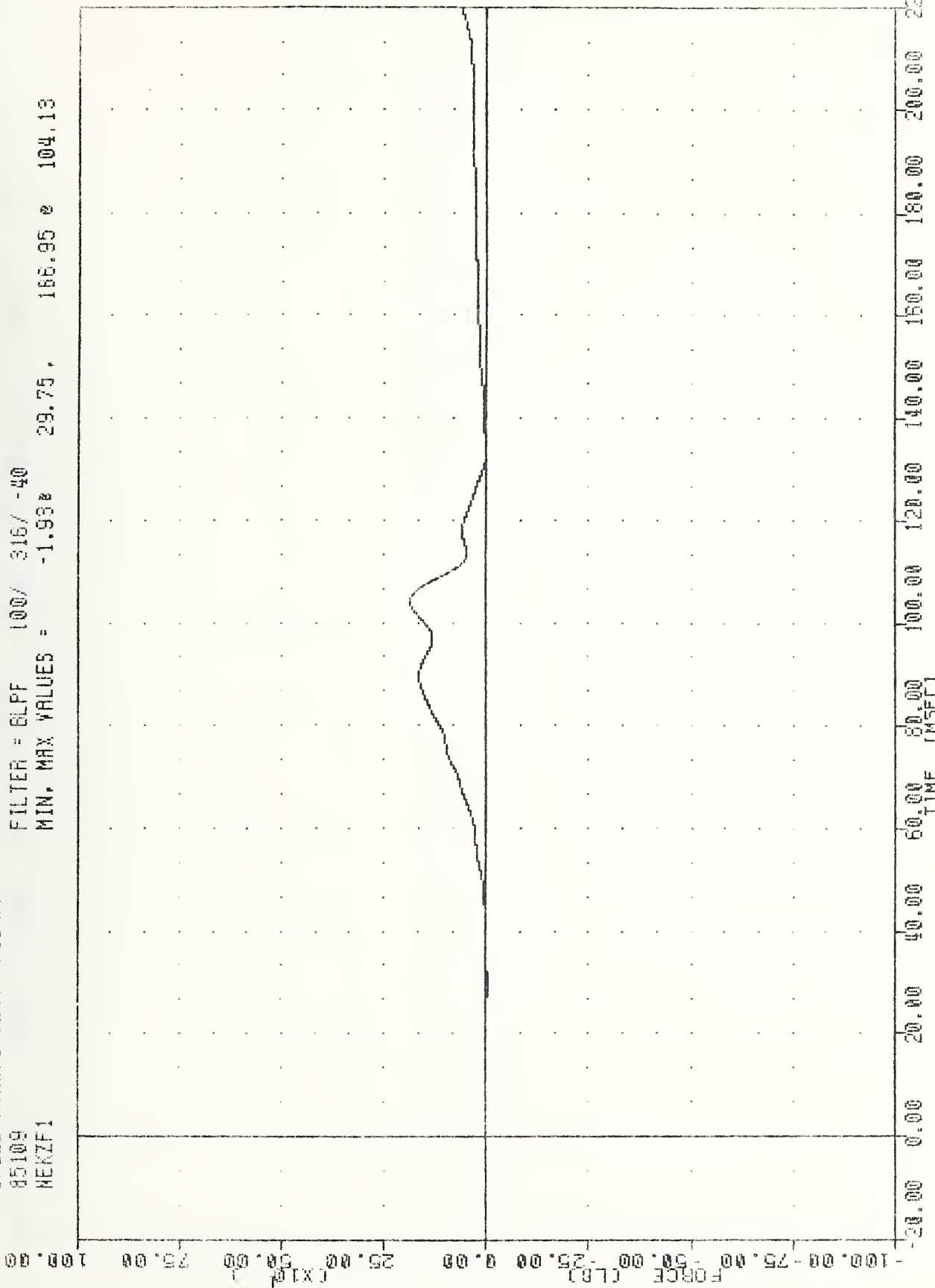
MIN. MAX VALUES = -20.90e 206.36 , 259.91 e 98.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK FORCE X AXIS L95 (CHEPP)

NR10
BRED AIRBAG SLED PROGRAM
85109
NEKZF1

PLOT DATE 30-APR-85 09:31:31
FILTER = 6LPF 100/ 316/ -40
MIN. MAX VALUES = -1.93e 29.75, 166.95 e 104.13

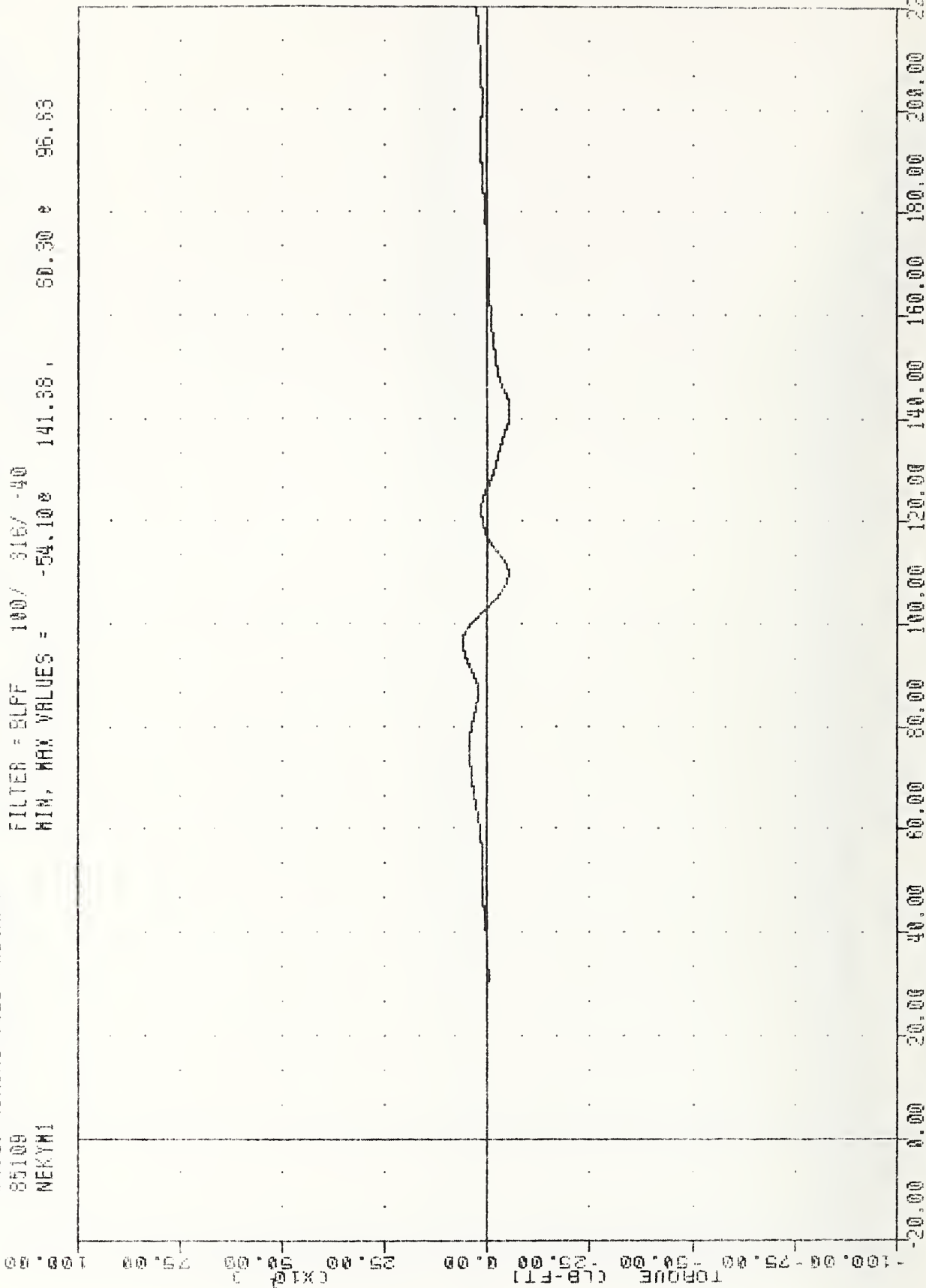


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK FORCE Z AXIS LBS (AVIAL)

85109
 NEKYM1
 SPEED AIRBAG SLED PROGRAM
 60224-4-16

PLOT DATE 30-APR-85 09:31:31

FILTER = BLFF 100/ 316/ -40
 MIN, MAX VALUES = -54.10 141.38 60.30 96.53



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER NECK MOMENT Y AXIS FT-LBS

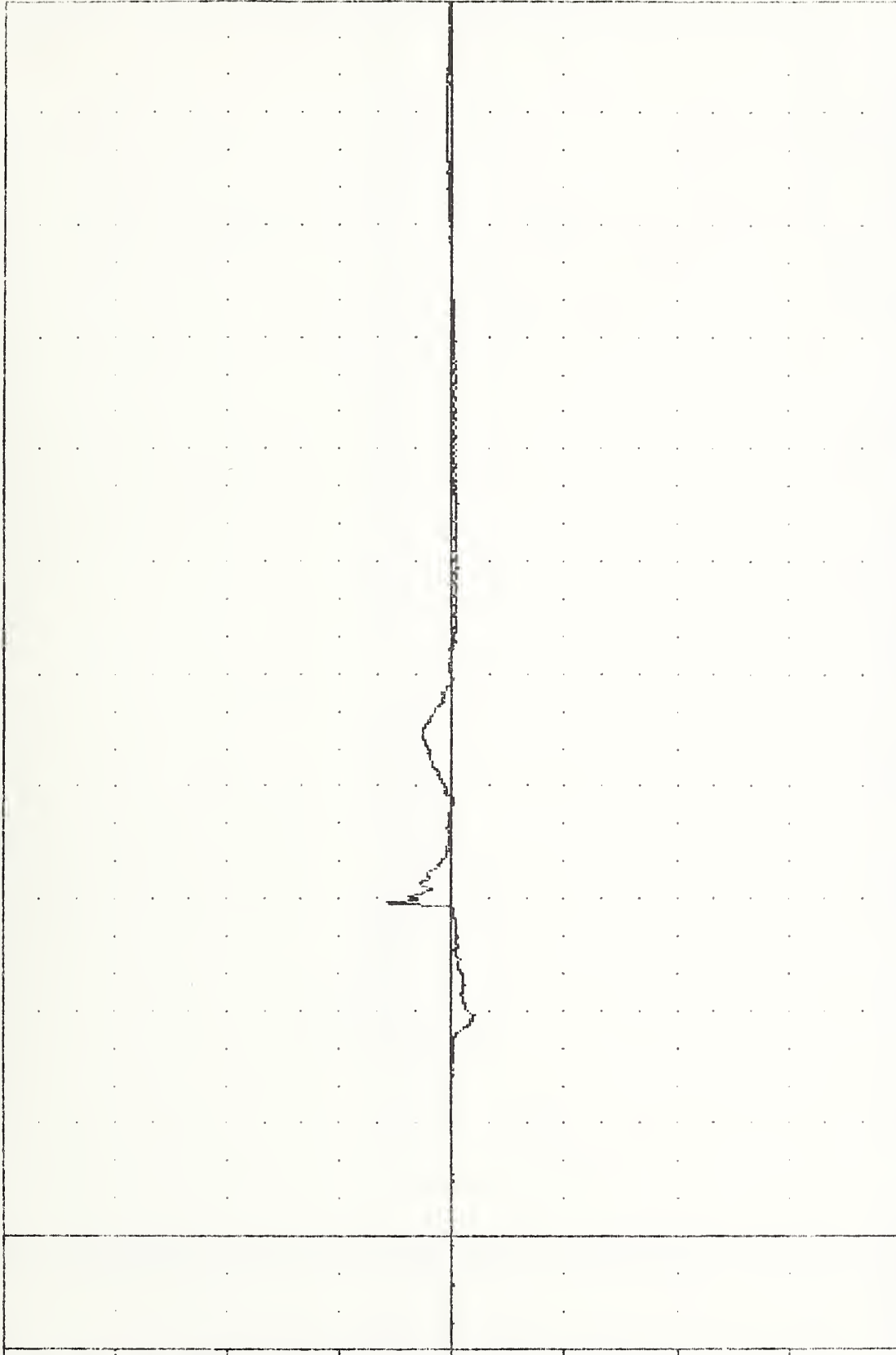
VPIC : RD084-4-16
BREED AIRBAG SLED PROGRAM
85109
ANLXMI

PLOT DATE 30-APR-85 08:57:28

FILTER = BLFF 1000/ 5162/ -40

MIN, MAX VALUES = -11.90e 39.13 , 34.33 e 59.25

240.00
-240.00
-180.00
-120.00
-60.00
0.00
60.00
120.00
180.00
240.00



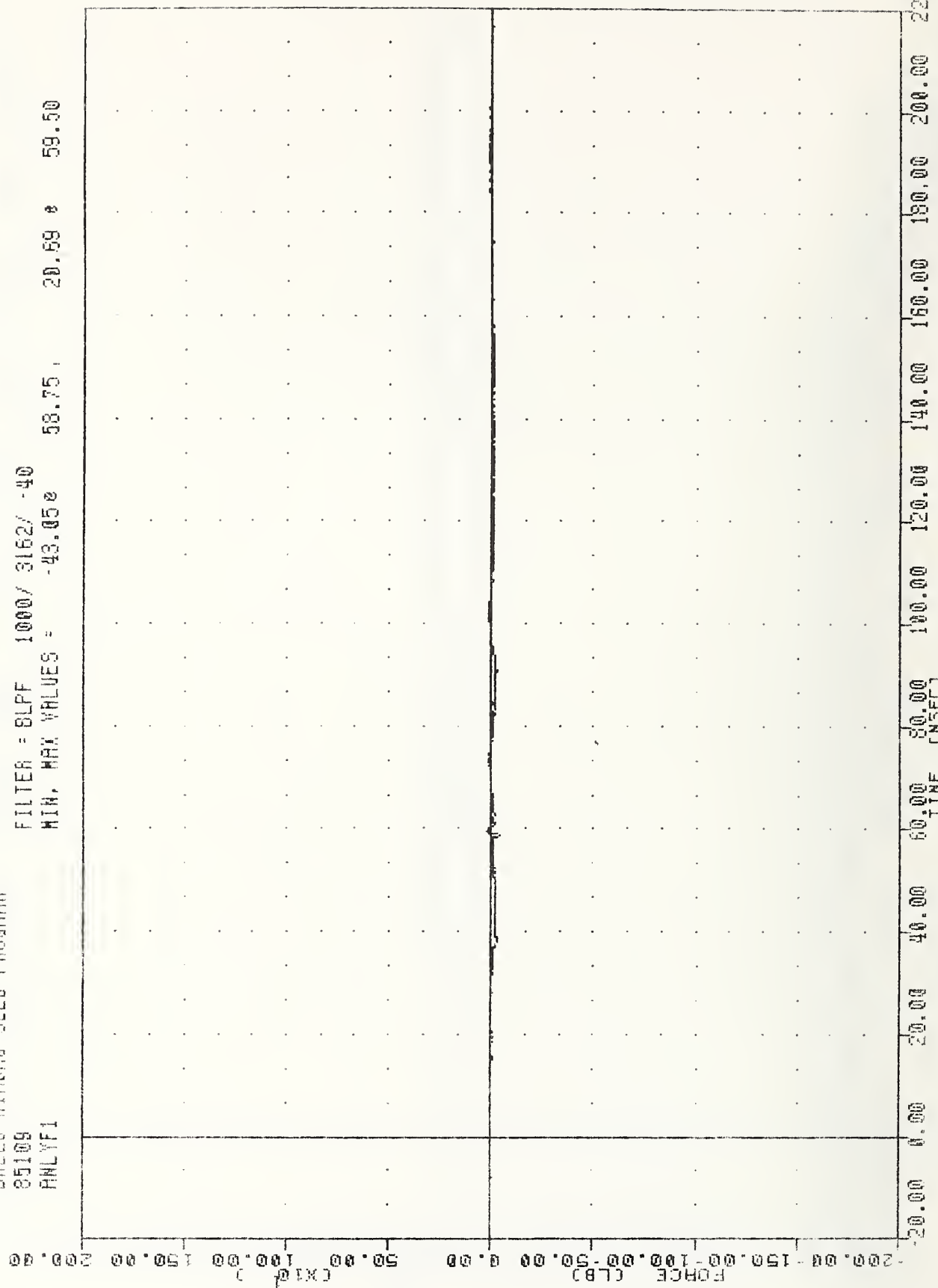
20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUNN
DRIVER LEFT LOWER TIBIA MOMENT X AXIS LB-FT

VRTC 80384-4-16
 BREED AIRRAG SLED PROGRAM
 25109
 ANALYF1

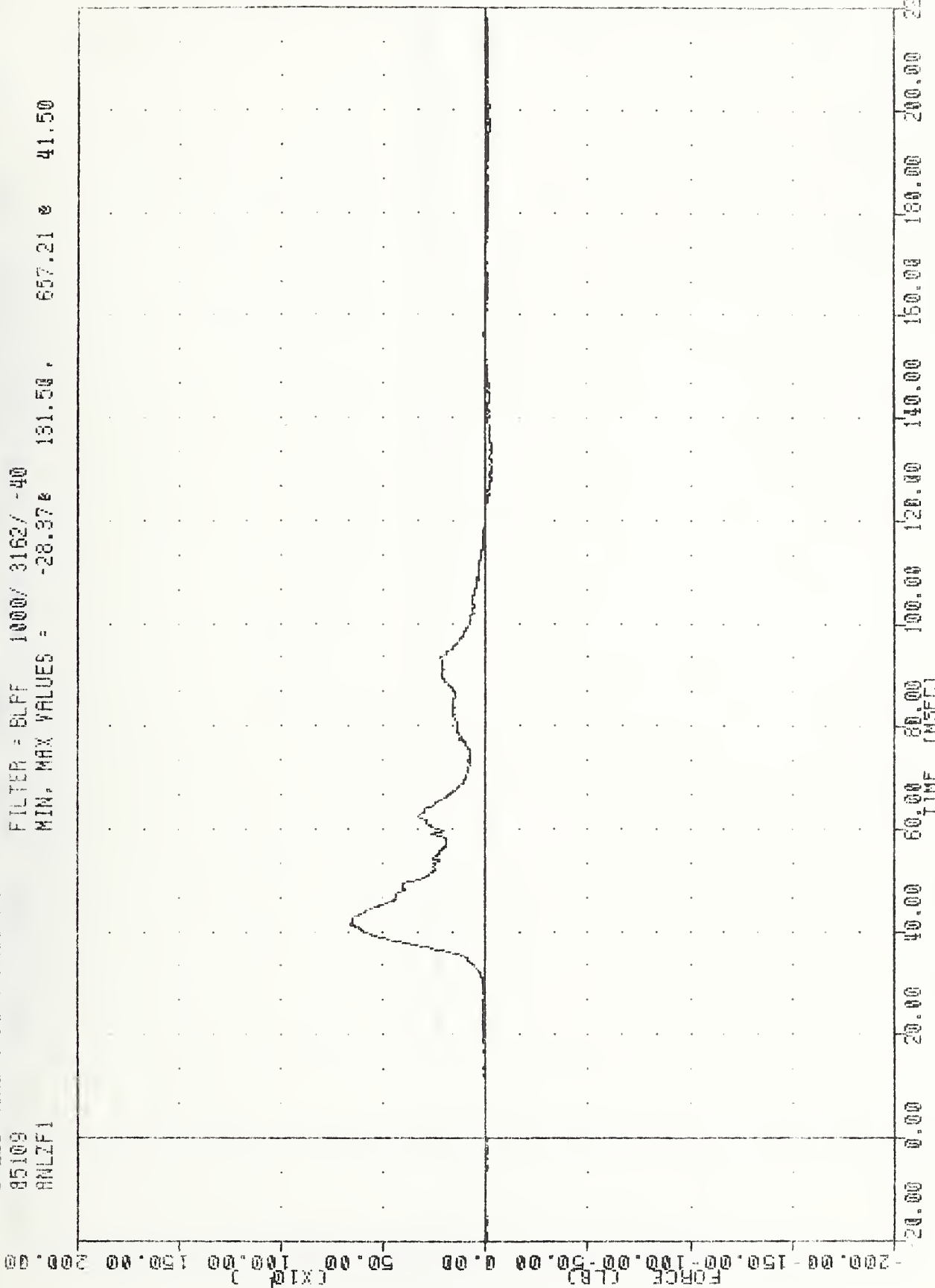
FLIGHT DATE 20-APR-85 06:57:28

FILTER = BLPF 1000/ 3162/ -40
 MIN. MAX VALUES = -43.05e 58.75 20.59 59.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER LEFT LOWER TIBIA FORCE Y AXIS LBS

VRTC 20384-4-16 PLOT DATE 30-APR-85 08:57:28
 BRSED AIRBAG SLED PROGRAM
 85109 FILTER = BLPF 1000/ 3162/ -40
 ANLZF1 MIN, MAX VALUES = 131.50, 657.21 @ 41.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER LEFT LOWER TIRIA FORCE Z AXIS LBS

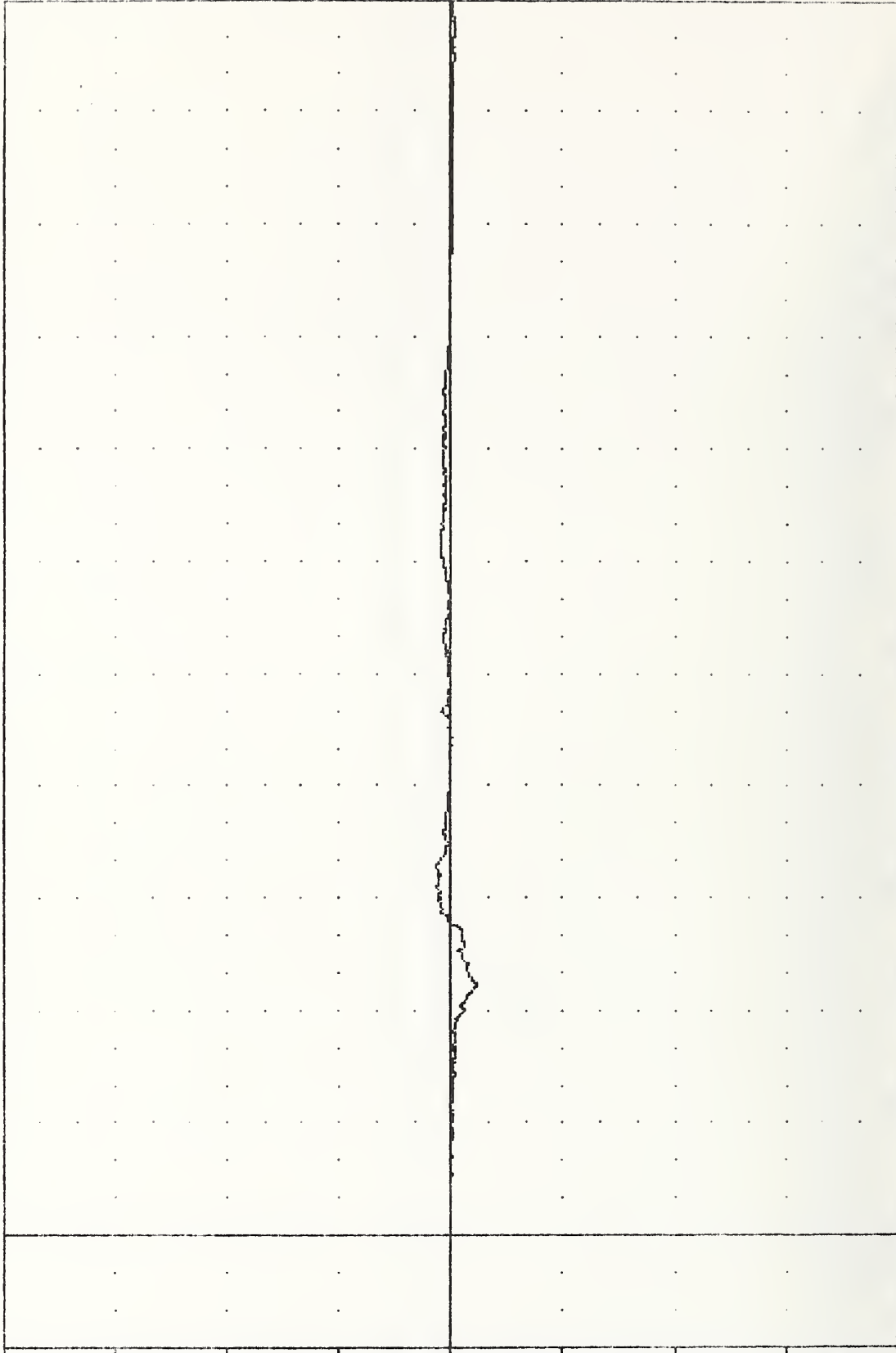
V810 / R0304-4-16
 BREED AIRBAG SLED PROGRAM
 05109
 ANFXM1

PLOT DATE 30-APR-85 08:57:20

FILTER = 8LFF 100N/ 3162/ -40

MIN. MAX VALUES = -14.10e 44.63. 7.99 e 61.80

TORQUE (LB-FT)



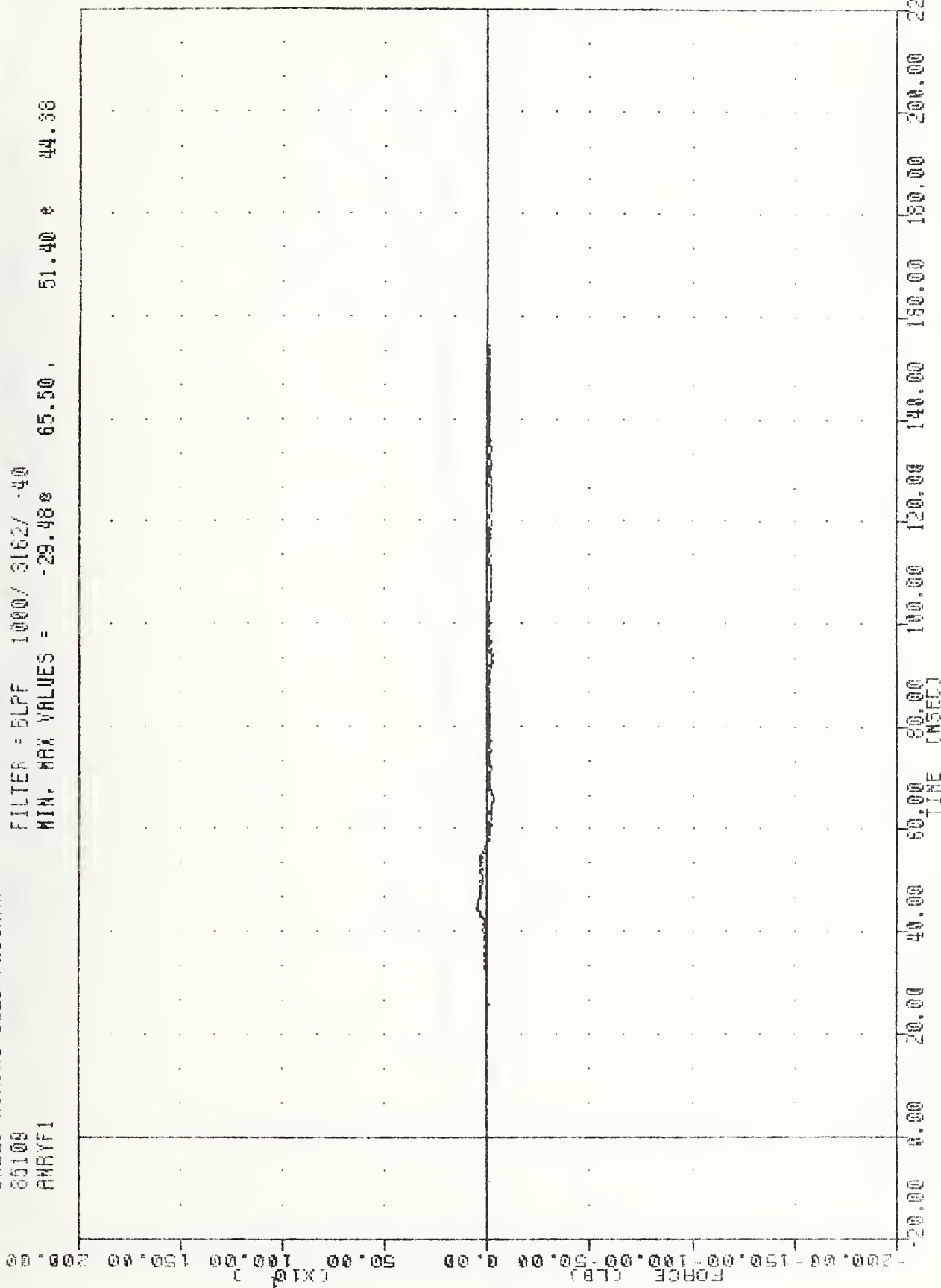
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER RIGHT LOWER TIBIA MOMENT X AXIS LB-FT

VATIC , RD384-4-16
 BREED AIRBAG SLED PROGRAM
 85109
 AMRYF1

PLOT DATE 30-APR-85 08:57:28

FILTER = 6LFF 1000/ 3162/ -40
 MIN. MAX VALUES = -29.48 65.50 51.40 e 44.36

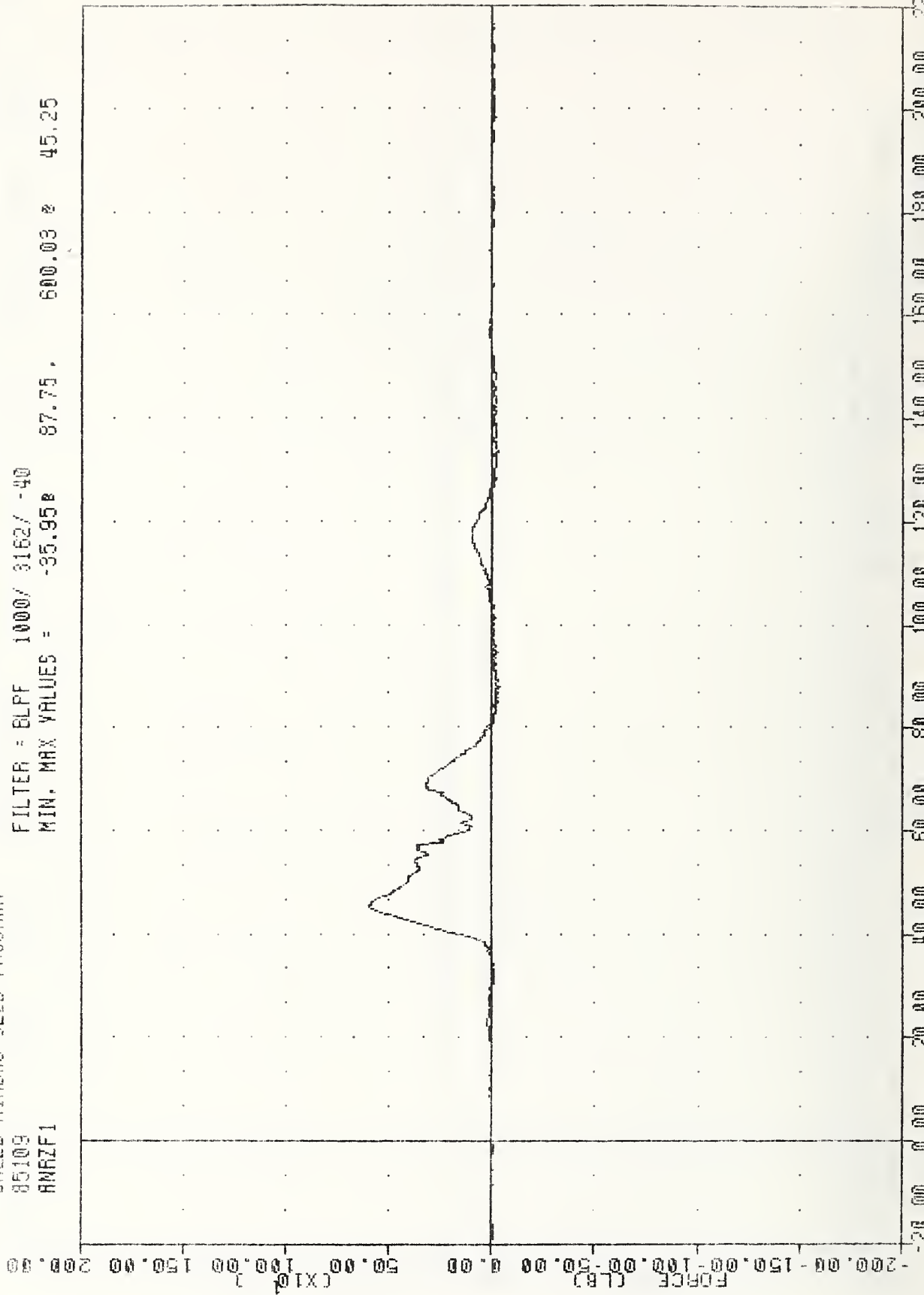


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER RIGHT LOWER TIBIA FORCE Y AXIS LBS

00001
 80384-1-16
 SREED AIRBAG SLED PROGRAM
 85109
 ANRZF1

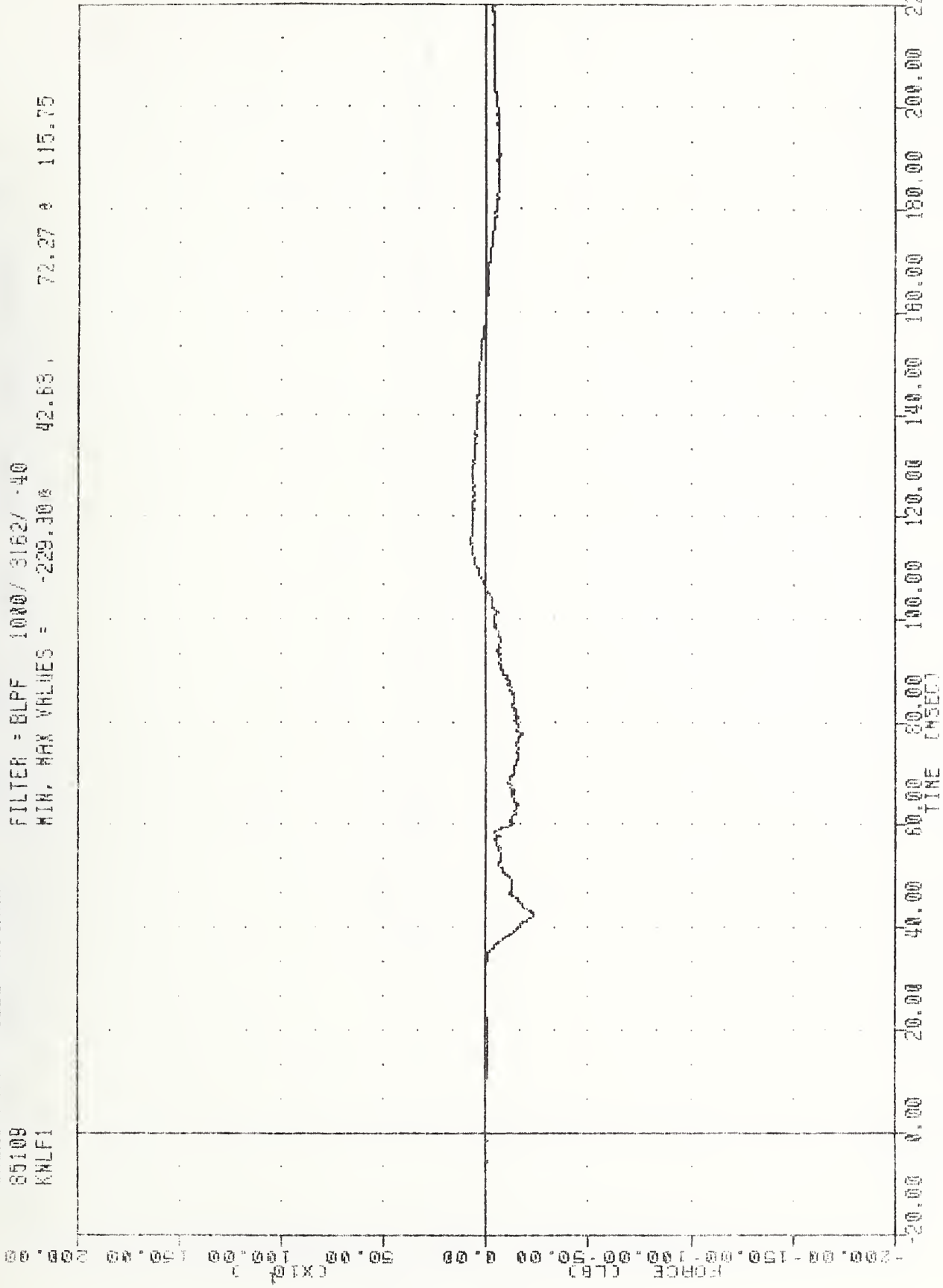
PLOT DATE 30-APR-65 08:57:28

FILTER = BLPF 1000/ 3162/ -40
 MIN. MAX VALUES = -35.95 87.75 600.03 45.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER RIGHT LOWER TIBIA FORCE - RAWTILB3

VRTC / RD884-4-16 PLOT DATE 30-APR-88 08:57:28
 BREED IMPALA SLED PROGRAM
 85109 FILTER = BLPF 1000 / 3162 / -40
 KNLF1 MIN. MAX VALUES = -229.30 42.63 72.27 e 115.75

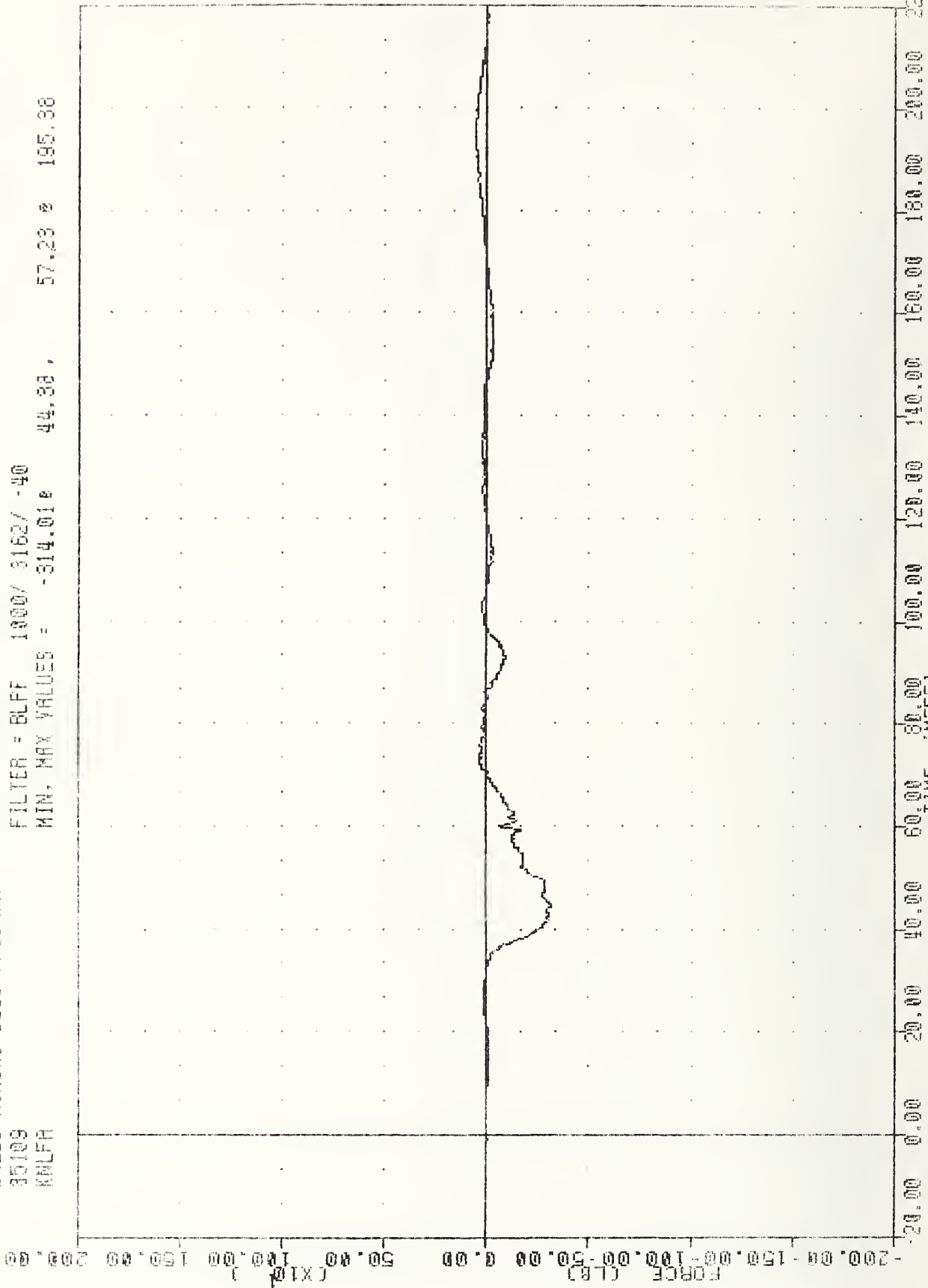


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER LEFT FINE LEFT SENSOR LBS

VAIL
7 AUG 59 - 8 - 11
SPEED AIRBAG SLED PROGRAM
35109
KALFA

PLT DATE 30-APR-65 08:57:26

FILTER = BLFF 1000/ 3162/ -40
MIN, MAX VALUES = -314.01e 44.38, 57.23 e 195.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
OPTIVER LEFT KNEE / RIGHT SEVERE LPP

DATE: 08/04/85 06:57:28

SPEED AIRBAU SLED PROGRAM

35109

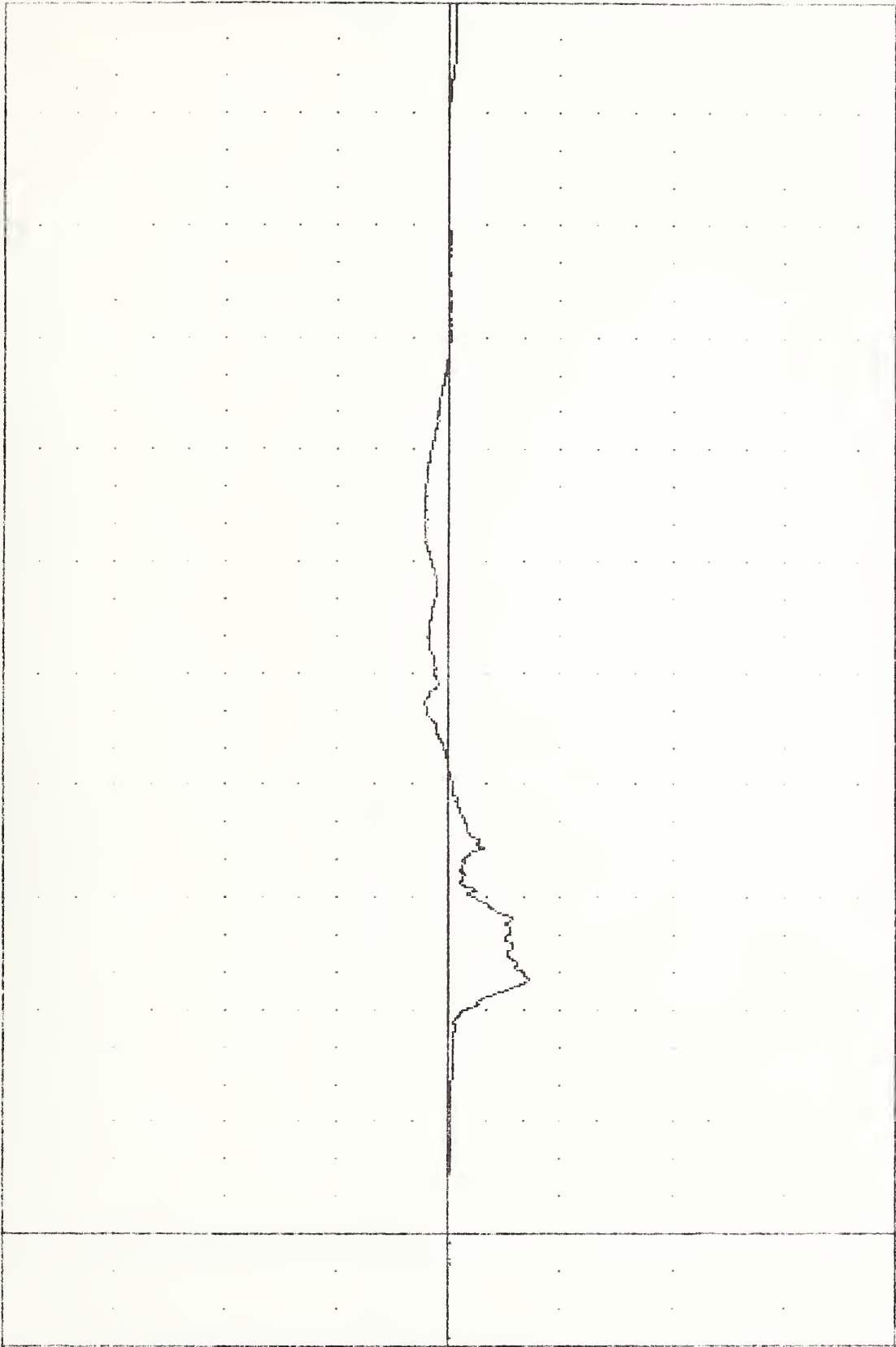
KMRF1

FILTER = 6LFF 1000/ 3162/ -40

MIN. MAX VALUES = -356.63% 45.25

113.49 @ 126.75

FORCE (LBS) TIME (MSEC)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY

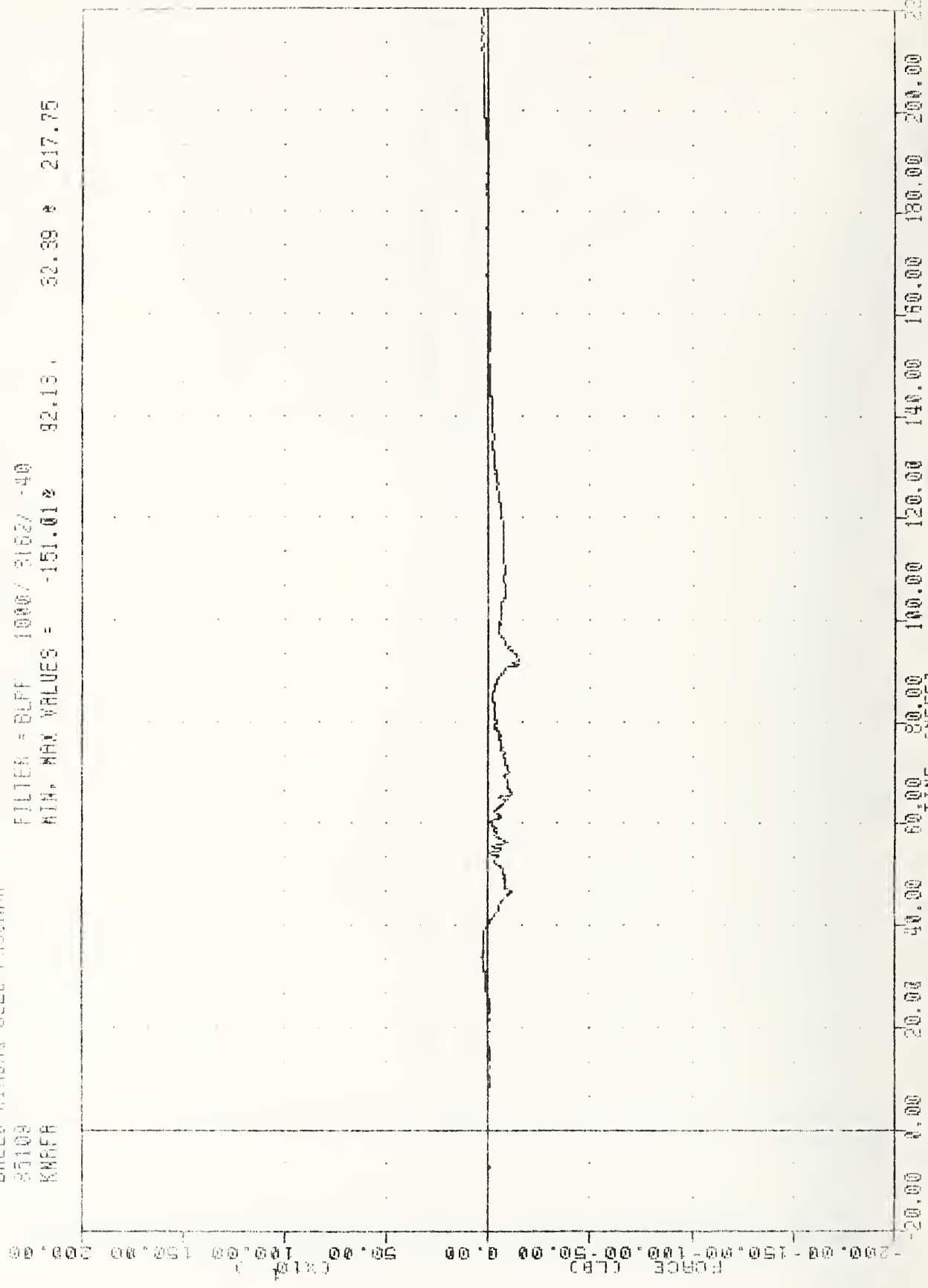
DATA: RIGHT WHEEL LEFT SENSOR LBS

SAFETY - 217004-16
BREAD AIRBAG BLEED PROGRAM

35103
KN6FA

PLT 0-18 38 APR 85 00557:38

FILTER = BLFF 1000/ 3162/ -40
MIN. MAX VALUES = -151.012 92.13 32.39 * 217.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE - RIGHT SEATBELT

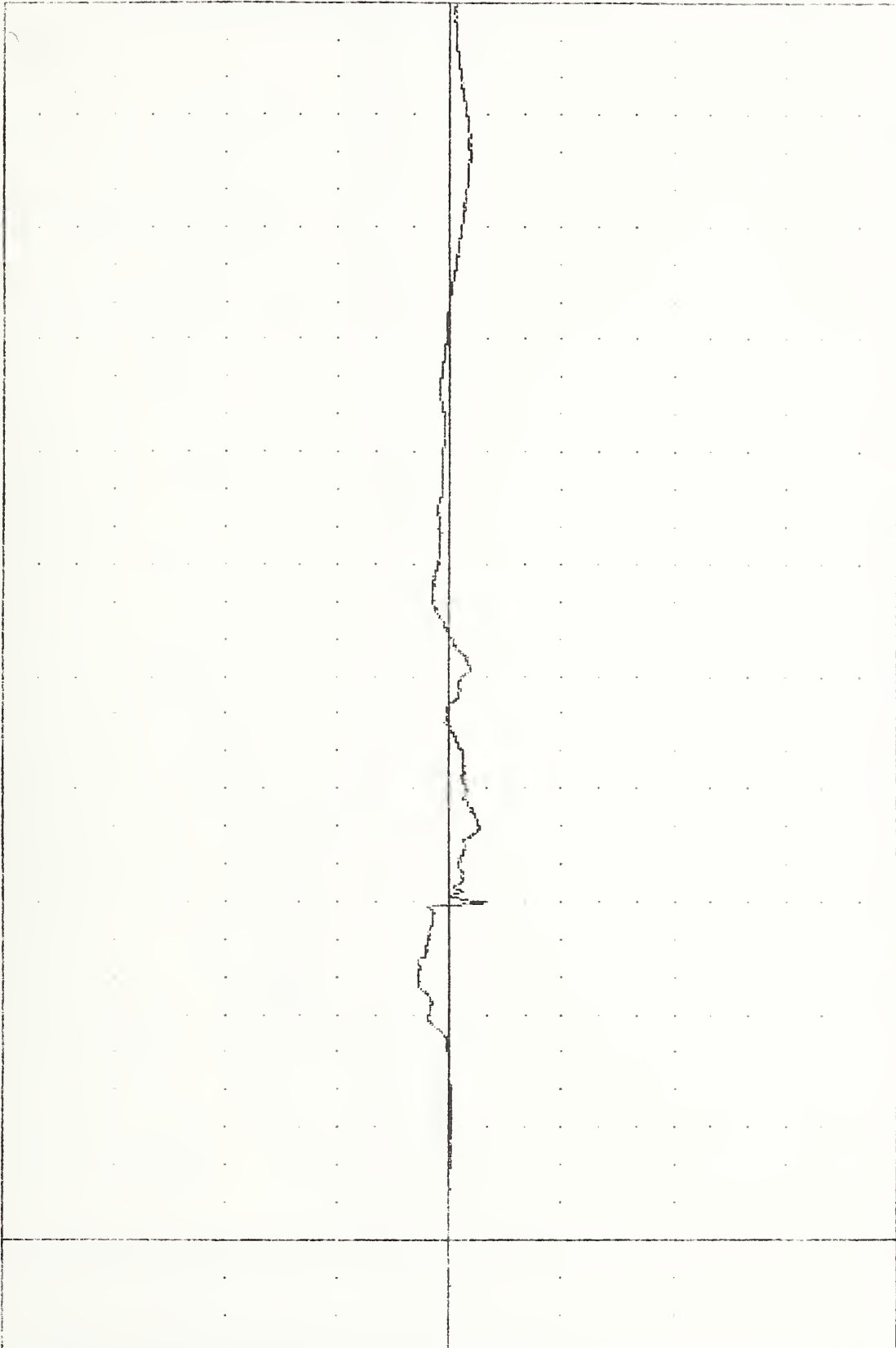
PLOT DATE 30 APR 85 08:57:40

8110 R10304-4-16
SPEED AIRBAG SLED PROGRAM

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -18.34P 59.88P 17.41 e 45.38

TORQUE (LB-FT) 240.00 180.00 120.00 60.00 0.00 -60.00 -120.00 -180.00 -240.00

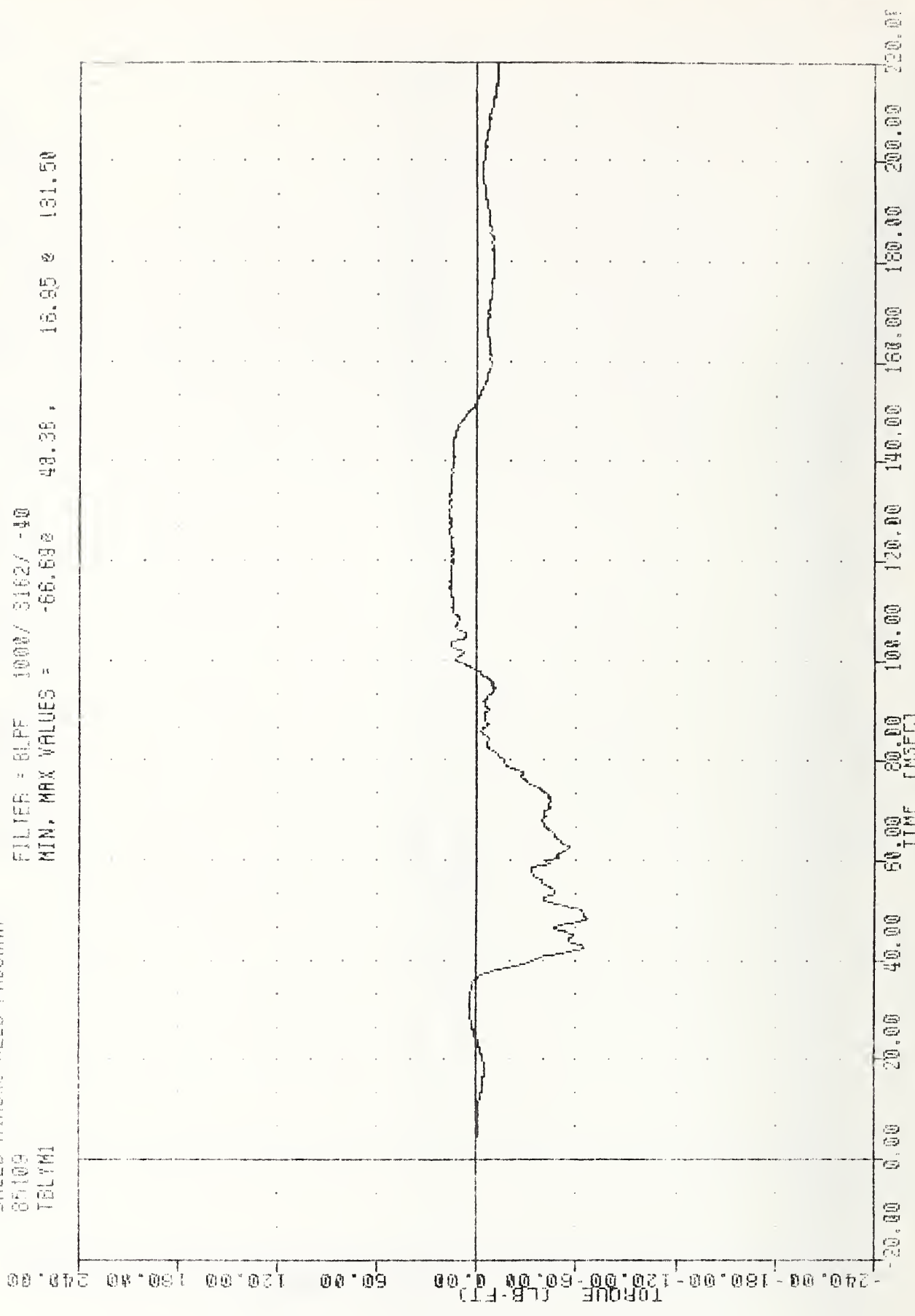


240.00 200.00 180.00 160.00 140.00 120.00 100.00 80.00 60.00 40.00 20.00 0.00 -20.00 -40.00 -60.00 -80.00 -100.00 -120.00 -140.00 -160.00 -180.00 -200.00 -220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT - 40000 LB-FT

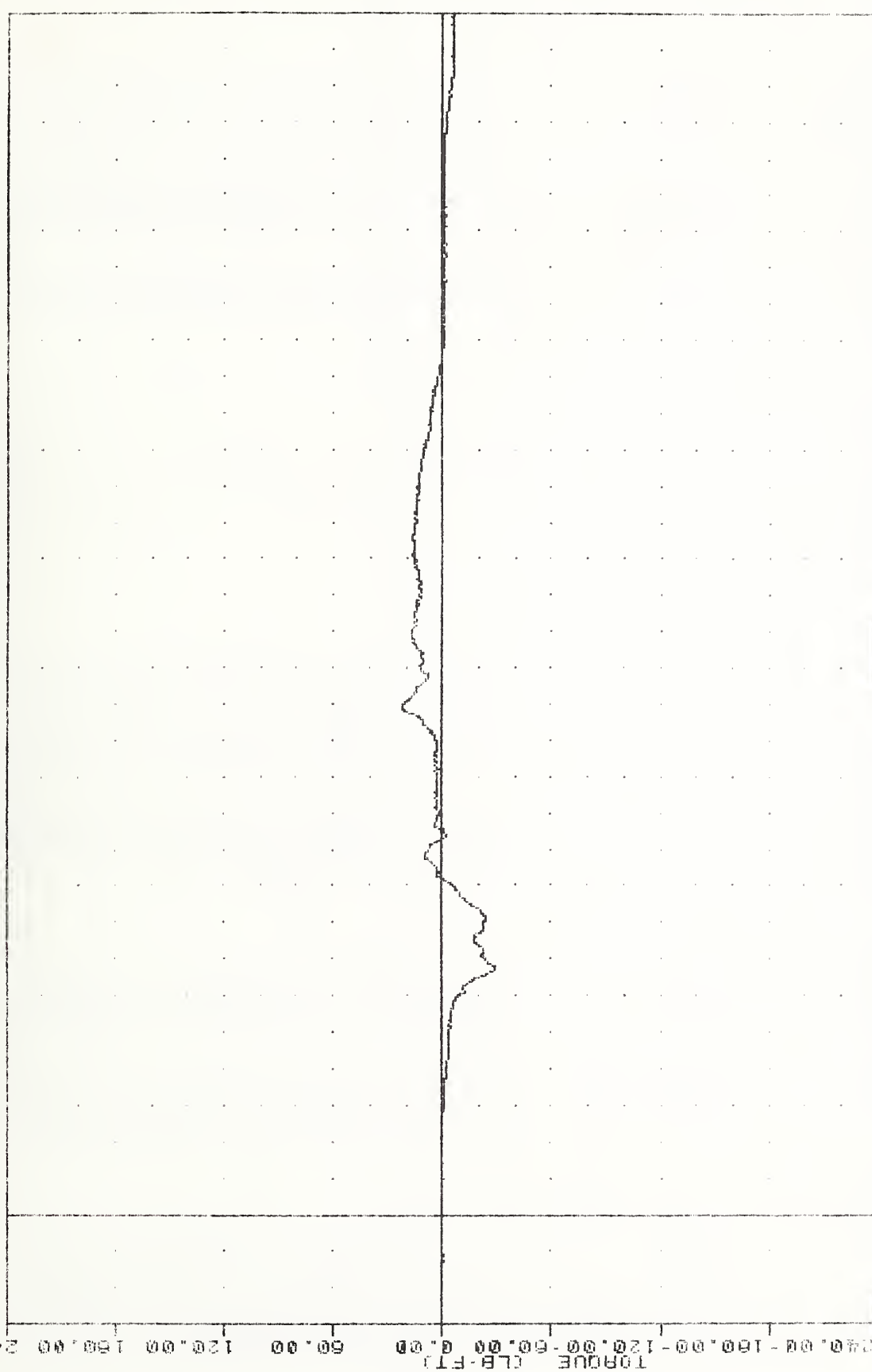
87109
 TBL7M1
 SPEED AIRBORNE ALED PROGRAM
 87109

89-APR-65 08:57:28
 FILTER = 6LPF 1000/ 3162/ -40
 MIN. MAX VALUES = -66.69e 48.36, 16.95 e 131.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 OR PER LEFT UPPER TIBIA MONITORING PADS 15-FT

VRTC / R0004-4-15 PLOT DATE 50-888-00 00:57:29
 SRECO AIRBAG SLED PROGRAM
 05109 FILTER = BLPF 1000/ 3162/ -40
 TBRXMI MIN. MAX VALUES = -29.12 44.88 22.24 * 92.88



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TORQUE (LB-FT) TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 (M) REF SIG-T DEPER TIBIA MOMENT / 9.75 LB-FT

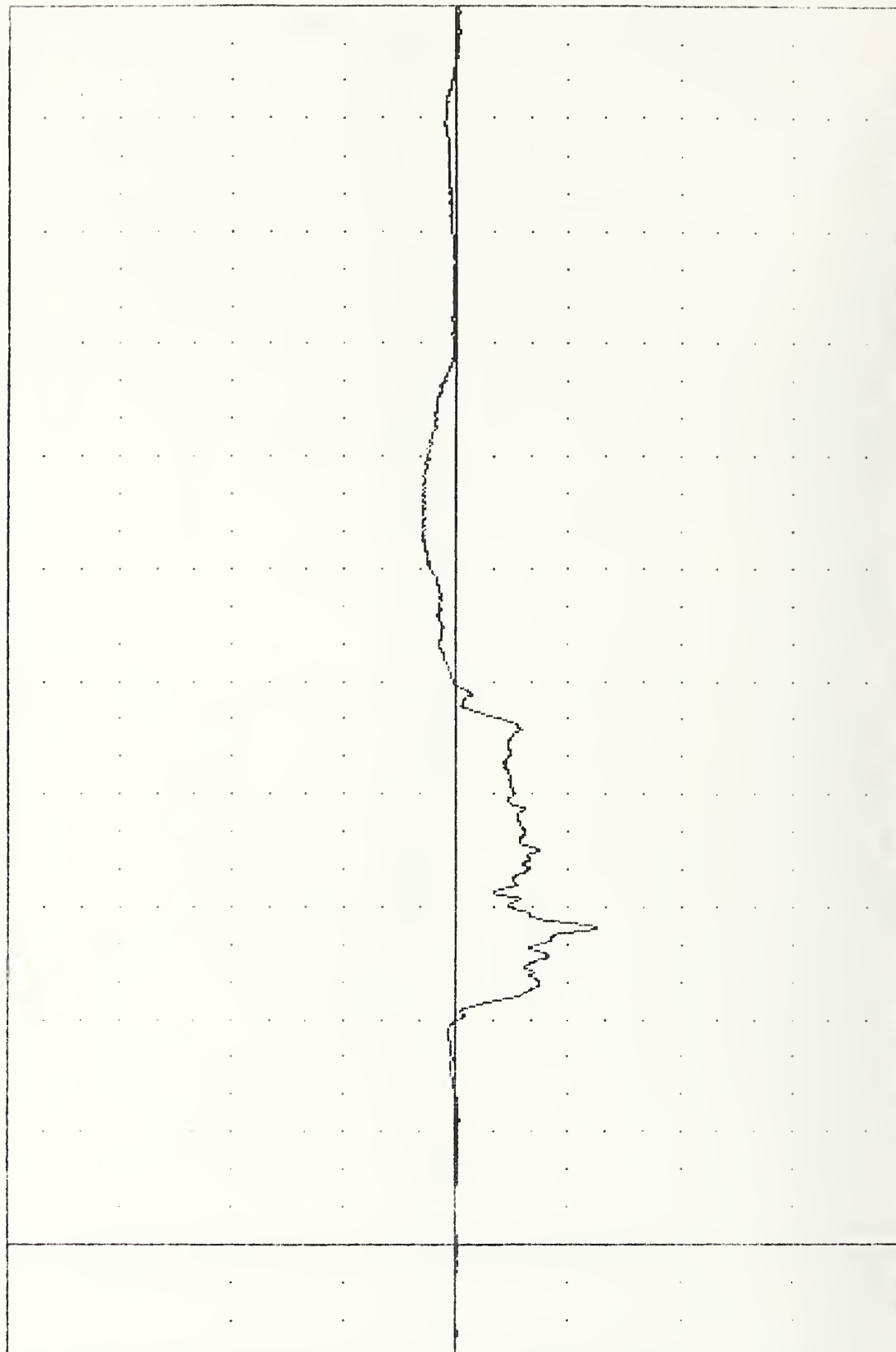
VARI . 50384-4-16
BRED AIRBAG SLED PROGRAM
05109
TBRM1

PLOT DATE 30-APR-65 08:57:28

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES : -75.22 e 56.25 , 18.47 e 126.50

TORQUE (LB-FT) -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00 240.00



TIME (MSEC) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT Y AXIS LR-FT

TRC41BRP. RAD; 4
 VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 6-MAY-85 13:37
 B5112 30.00 mph

EVENT	Min value	Max value	Data Units	Filter
1	0.059 @	1.604 @	-15.500 msec	ALPF 1650/ 5214/ -40
2	-32.837 @	0.140 @	-19.000 msec	ALPF 100/ 316/ -40
3	-23.039 @	0.595 @	122.375 msec	BLPF 100/ 316/ -40
4	-43.354 @	3.051 @	45.125 msec	ALPF 1650/ 5214/ -40
5	-5.335 @	2.705 @	49.875 msec	ALPF 1650/ 5214/ -40
6	-7.823 @	7.521 @	53.750 msec	ALPF 1650/ 5214/ -40
7	-36.868 @	1.615 @	147.875 msec	BLPF 300/ 949/ -40
8	-5.605 @	1.278 @	127.875 msec	BLPF 300/ 949/ -40
9	-12.151 @	10.402 @	71.750 msec	BLPF 300/ 949/ -40
10	-74.047 @	71.349 @	40.500 msec	BLPF 300/ 949/ -40
11	-60.294 @	18.105 @	38.250 msec	BLPF 300/ 949/ -40
12	-33.368 @	1.398 @	181.125 msec	BLPF 300/ 949/ -40
13	-6.641 @	4.139 @	112.750 msec	BLPF 300/ 949/ -40
14	-16.884 @	1.710 @	175.750 msec	BLPF 300/ 949/ -40
15	-417.659 @	44.611 @	182.000 msec	BLPF 1000/ 3162/ -40
16	-248.937 @	61.968 @	199.875 msec	BLPF 1000/ 3162/ -40
17	-68.024 @	21.893 @	73.750 msec	BLPF 100/ 316/ -40
18	-9.418 @	14.764 @	86.375 msec	BLPF 100/ 316/ -40
19	-7.574 @	25.335 @	81.125 msec	BLPF 100/ 316/ -40
20	-22.630 @	0.870 @	173.000 msec	BLPF 100/ 316/ -40
21	-1.670 @	1.506 @	35.375 msec	BLPF 100/ 316/ -40
22	-2.809 @	3.863 @	29.500 msec	BLPF 100/ 316/ -40
23	-1.719 @	1425.542 @	82.250 msec	BLPF 100/ 316/ -40
24	-2.989 @	978.285 @	80.375 msec	BLPF 100/ 316/ -40
25	-3.648 @	37.629 @	30.000 msec	ALPF 1650/ 5214/ -40
26	-0.002 @	0.005 @	-19.625 msec	ALPF 1650/ 5214/ -40
27	-0.005 @	0.000 @	-20.000 msec	ALPF 1650/ 5214/ -40
28	-0.002 @	2.017 @	23.625 msec	ALPF 1650/ 5214/ -40
29	-0.392 @	2.168 @	46.250 msec	ALPF 1650/ 5214/ -40

TRC41BRP. RAD; 1
 VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 25-APR-85 11:18
 B5112 30.00 mph

EVENT	Min value	Max value	Data Units	Filter
1	0.052 @	43.826 @	60.750 msec	ALPF 1650/ 5214/ -40
2	0.036 @	37.730 @	67.500 msec	BLPF 300/ 949/ -40
3	0.046 @	35.531 @	74.250 msec	BLPF 300/ 949/ -40
4	0.035 @	68.767 @	96.000 msec	BLPF 100/ 316/ -40
5	0.017 @	22.671 @	56.875 msec	BLPF 100/ 316/ -40

TRC418AP. RAD; 1
 VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 25-APR-85 11:18
 85112 30.00 mph

	Min value	Max value	Data Units	Filter
1	-32.795 @	19.161 @	g	ALPF 1650/ 5214/ -40
2	-9.586 @	488.980 @	lb	BLPF 100/ 316/ -40
3	-255.612 @	30.584 @	lb-ft	BLPF 100/ 316/ -40
4	-1.435 @	180.931 @	lb	BLPF 100/ 316/ -40
5	-0.009 @	1.491 @	in	BLPF 300/ 949/ -40
6	-201.964 @	73.149 @	in	BLPF 1000/ 3162/ -40
7	-332.563 @	65.766 @	lb	BLPF 1000/ 3162/ -40
8	-335.725 @	17.403 @	lb	BLPF 1000/ 3162/ -40
9	-165.830 @	49.185 @	lb	BLPF 1000/ 3162/ -40
10	-13.298 @	28.231 @	lb-ft	BLPF 1000/ 3162/ -40
11	-62.586 @	57.104 @	lb-ft	BLPF 1000/ 3162/ -40
12	-19.688 @	2.305 @	lb-ft	BLPF 1000/ 3162/ -40
13	-54.436 @	74.472 @	lb-ft	BLPF 1000/ 3162/ -40
14	-10.386 @	34.947 @	lb-ft	BLPF 1000/ 3162/ -40
15	-15.407 @	63.376 @	lb	BLPF 1000/ 3162/ -40
16	-23.473 @	566.948 @	lb	BLPF 1000/ 3162/ -40
17	-7.124 @	2.822 @	lb	BLPF 1000/ 3162/ -40
18	-33.121 @	8.062 @	lb	BLPF 1000/ 3162/ -40
19	-20.868 @	532.572 @	lb	BLPF 1000/ 3162/ -40

TRC418IP. RAD; 5
 VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 6-MAY-85 13:37
 85112 30.00 mph

	Min value	Max value	Data Units	Filter
1	-40.615 @	-0.288 @	mph	BLPF 300/ 949/ -40
2	-65.007 @	-0.162 @	in	BLPF 300/ 949/ -40
3	-32.782 @	-0.459 @	mph	BLPF 300/ 949/ -40
4	-56.998 @	-0.241 @	in	BLPF 300/ 949/ -40
5	-28.951 @	-0.109 @	mph	BLPF 300/ 949/ -40
6	-51.344 @	-0.072 @	in	BLPF 300/ 949/ -40
7	-32.384 @	0.000 @	mph	BLPF 300/ 949/ -40
8	-62.151 @	0.000 @	in	BLPF 300/ 949/ -40
9	-30.688 @	0.317 @	mph	BLPF 300/ 949/ -40
10	-53.146 @	0.264 @	in	BLPF 300/ 949/ -40
11	-31.489 @	0.152 @	mph	BLPF 300/ 949/ -40
12	-59.993 @	0.118 @	in	BLPF 300/ 949/ -40

R:SYSP:HIC2

HIC1 -- Compute Head Injury Criterion from a single channel

Enter input filespec ->TRC418RF
File TRC418RF -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125
VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LFRBG
Enter channel [stop time] ->HEDRG1

* * * HIC computation for TRC418RF 25-APR-85 11:30:18

HEDRG1 VRTC RD384-4-17 85112 BREED AIRBAG SLED PROGRAM
Using time range = 0.000 to 148.125 msec Peak accel = 43.83 @ 60.750
HIC = 185.17 Interval from 51.500 [573] to 82.000 [817]
HIC = 138.50 Interval from 54.375 [596] to 69.375 [716]

R:SYSP:THREEMS

*** Three ms clip Program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> DR01:[SLED,BREED]TRC418RF

File TRC418RF -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-17 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LFRBG

Enter channel name -> CSTRG1

[SLED,BREED]TRC418RF.RAD:1 VRTC RD384-4-17 85112
BREED AIRBAG SLED PROGRAM 30.0 mph
Deltax: 0.125

3 MS CLIP PEAK: 37.00786

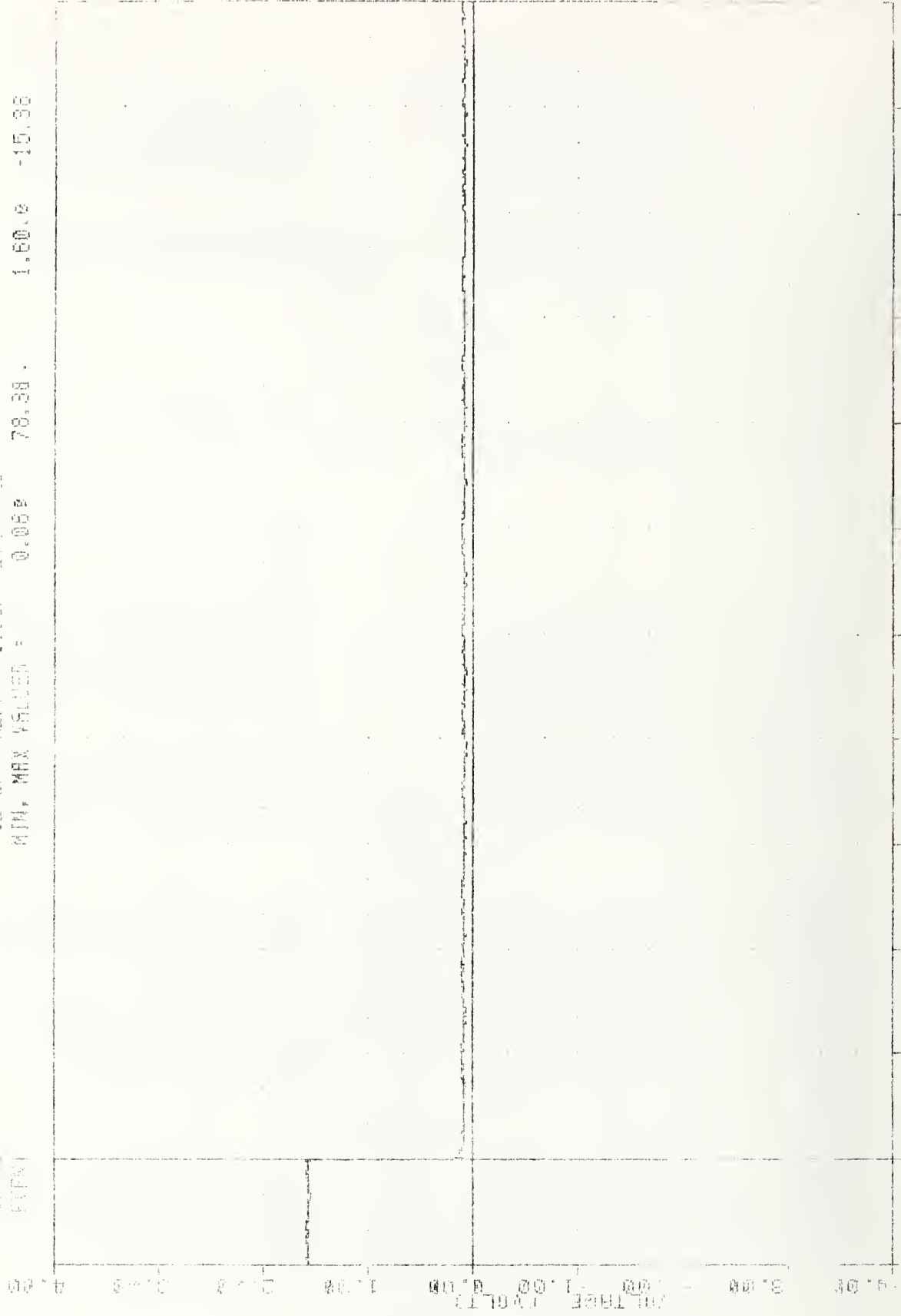
Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> EXIT

Enter input filespec -> EXIT

#

FILTER - ALP 16507 5.104 40
MIN. MAX VALUES = 0.06E 78.38 1.60E -15.38



50TH PERCENTILE HYBRID III 2000

BRACED STEEL BEAM- COLUMN JOINT

BRACED STEEL BEAM- COLUMN JOINT

85112

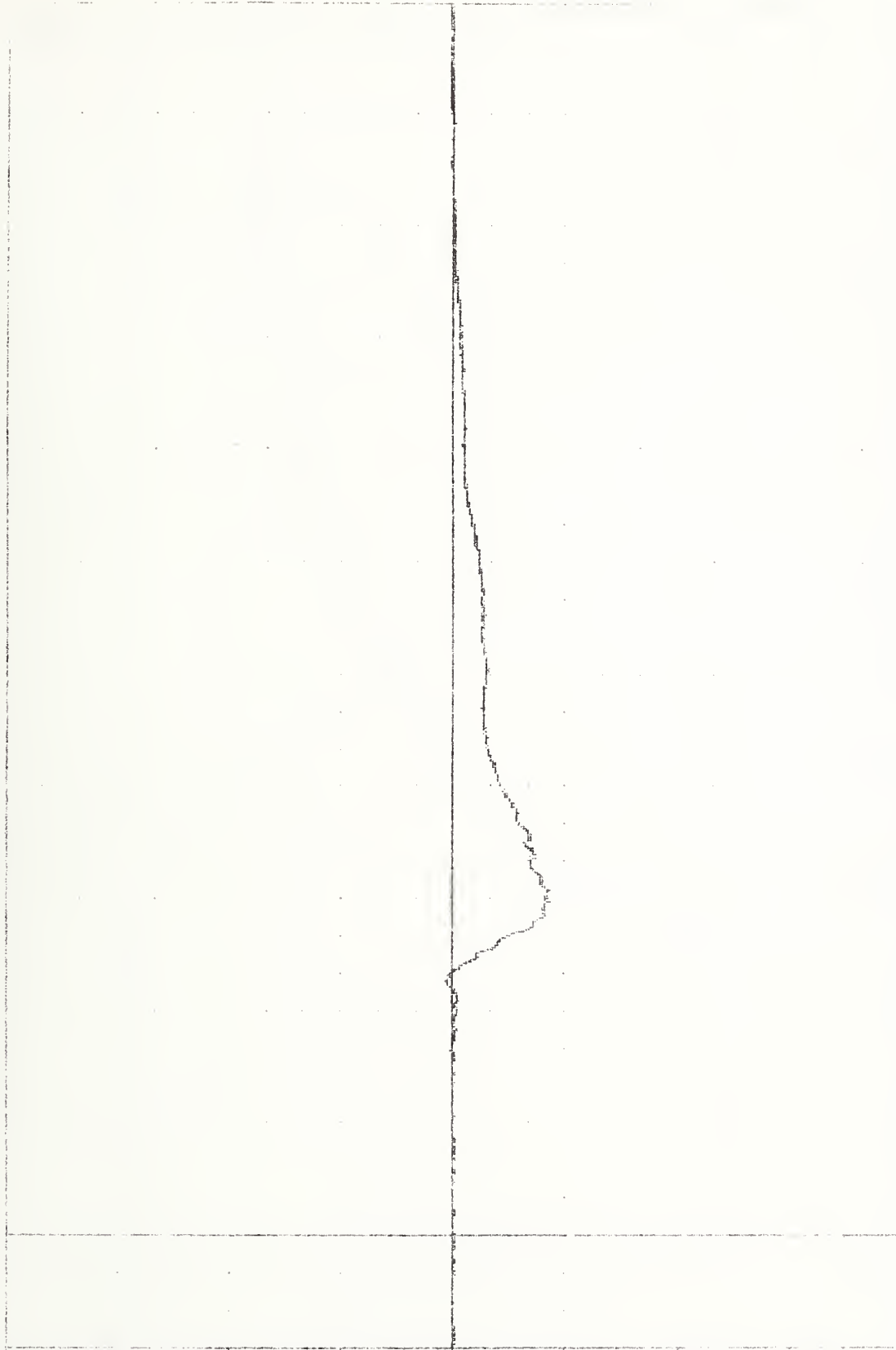
HE0461

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -43.350 50.75 5.05 45.25

ACCELERATION (G) 200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00

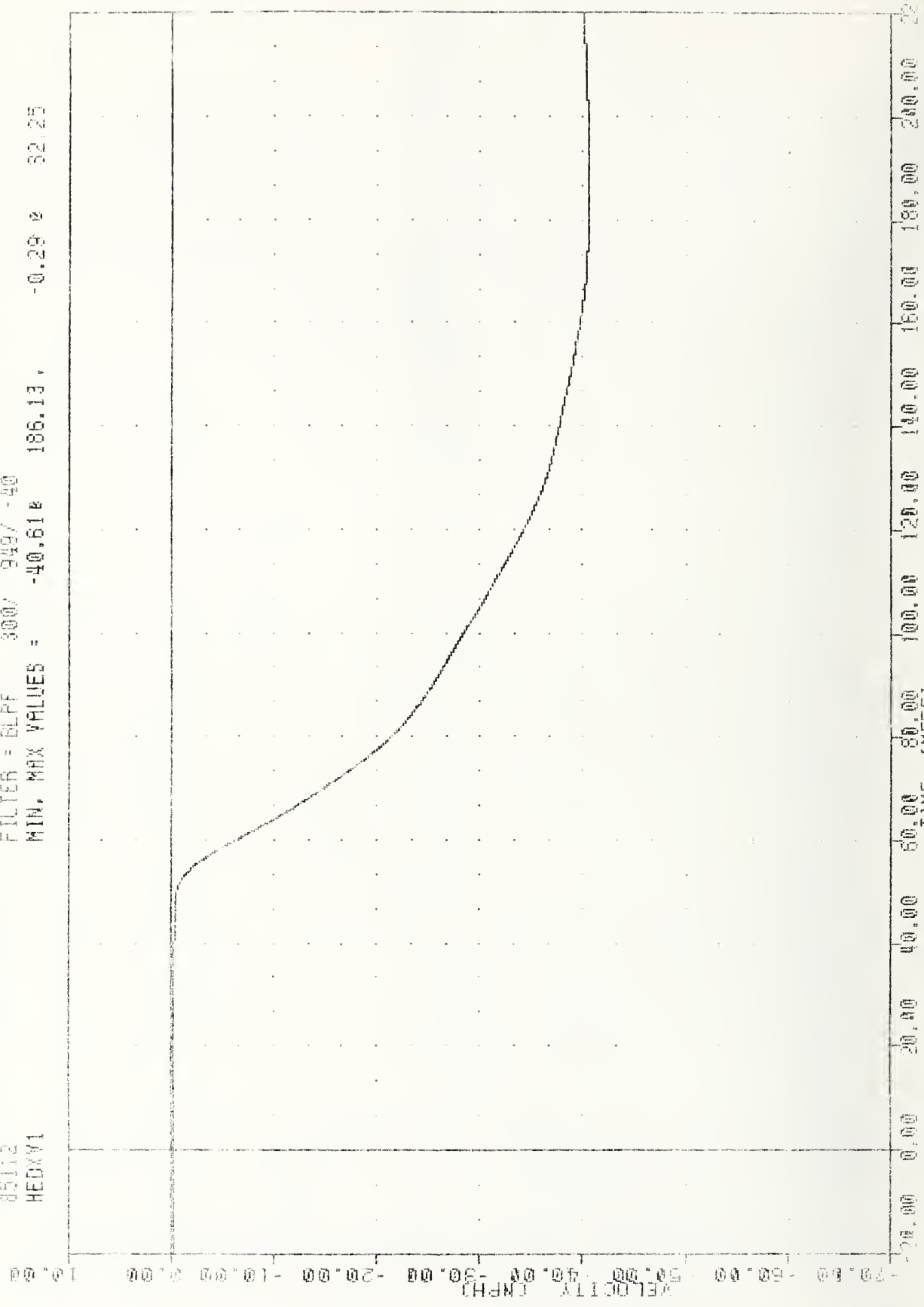
TIME (msec) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00



700004 4-17
 BRAD AIRING SLED PROGRAM
 85112
 HEDXV1

PLOT DATE 25-APR-85 14:14:31

FILTER = BLPF 300V 949/ -40
 MIN. MAX VALUES = -40.61B 186.13, -0.29 E 62.25



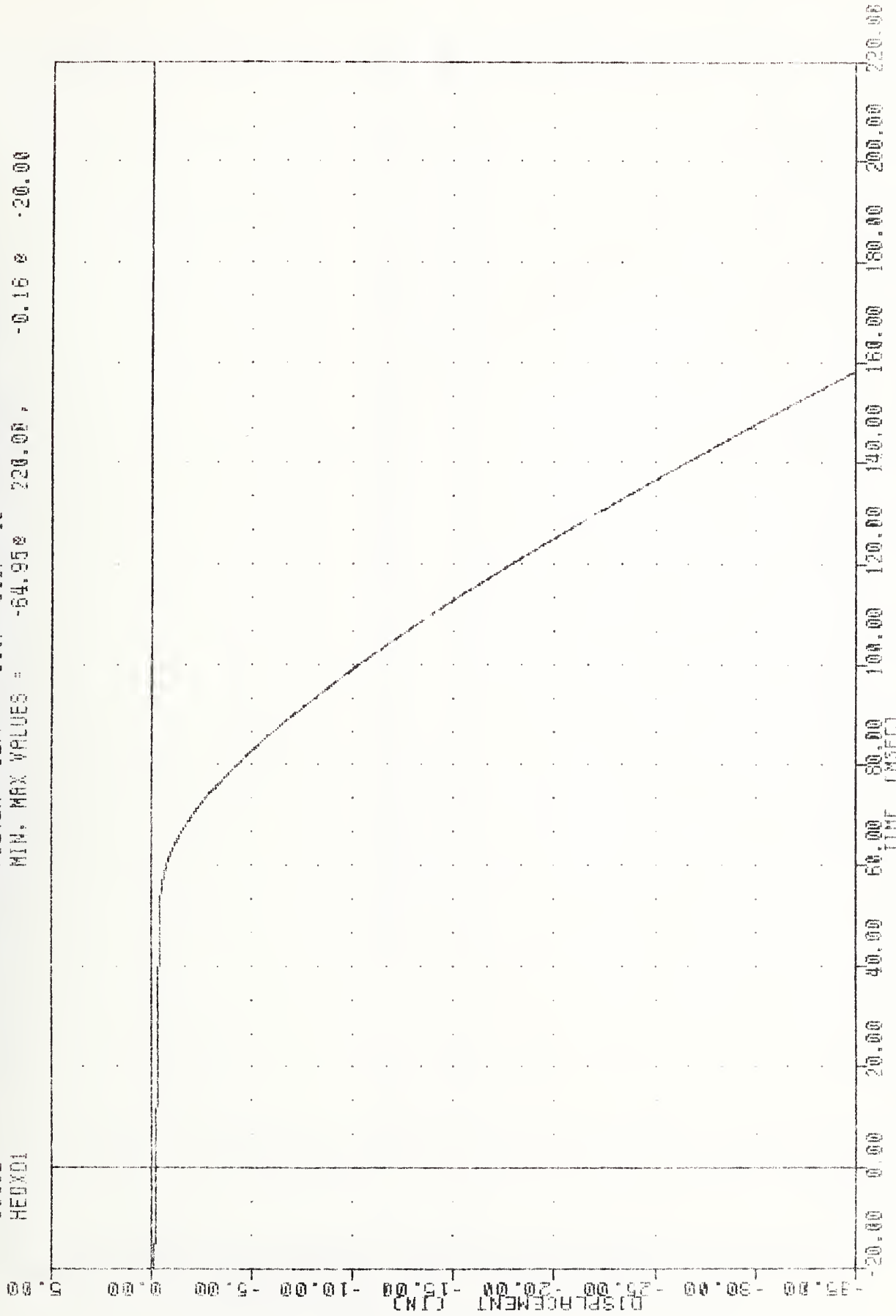
000001 FT IMPACT SLED TEST 00 MPH 50TH PERCENTILE HYBRID IIT SUMM
 DELTA V 0.0001 0.0001

VATIC - FD384-4-17
BREED AIRBAG SLED PROGRAM
85112
HEDX01

PLOT DATE 25-APR-85 14:14:31

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -64.95e 220.00, -0.16 e -20.00

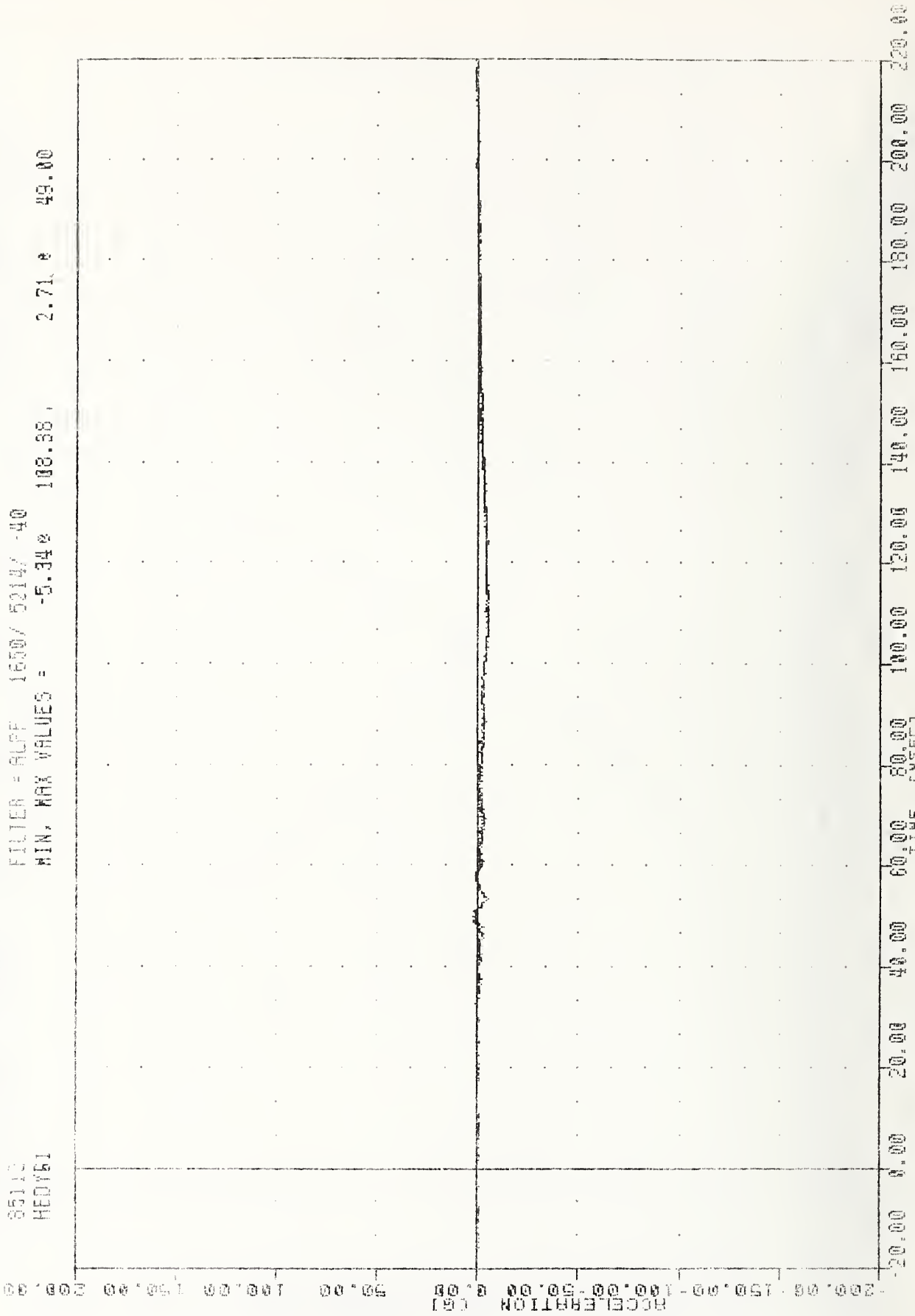


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING HEDXX1

04 4
 1988 SLED PROGRAM
 85113
 HEDY61

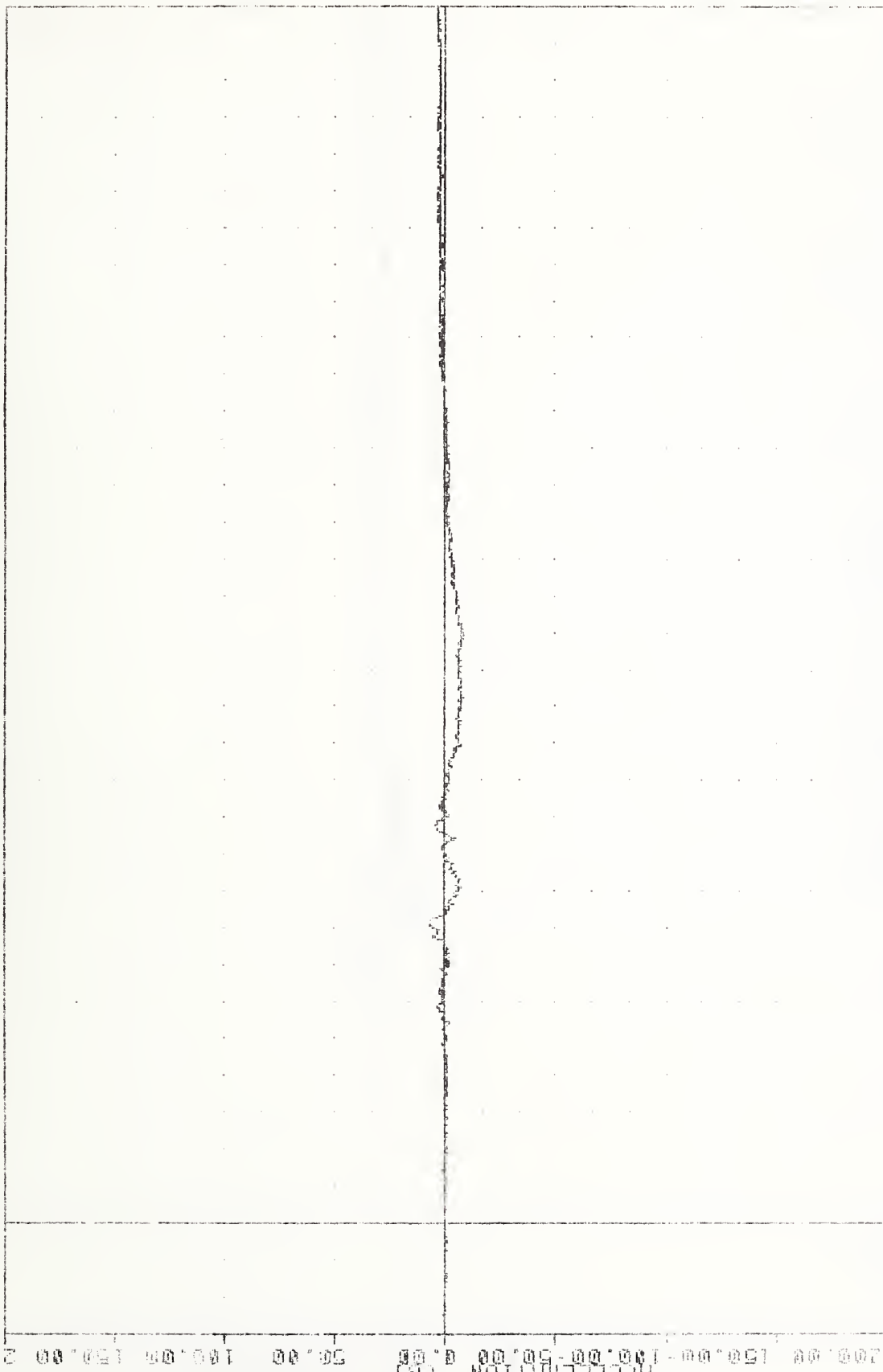
15:12 17

FILTER = ALFF 1650/ 5214/ -40
 MIN. MAX VALUES = -5.34% 108.58 , 2.71 e 49.00



CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

4800 85589-4-17 2100 0000 26 APR 85 15:12:17
 WRECC AIRSAC SLED THUSARH
 85112 FILTER = RLFF 1650/ 5214/ -40
 WEO161 MIN. MAX VALUES = -7.822 105.63 7.522 53.68



200.00 150.00 100.00 50.00 0.00 50.00 100.00 150.00 200.00
 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)

20 MPH 90% PERCENTILE HYSD III DUNN
 WRECC AIRSAC SLED THUSARH

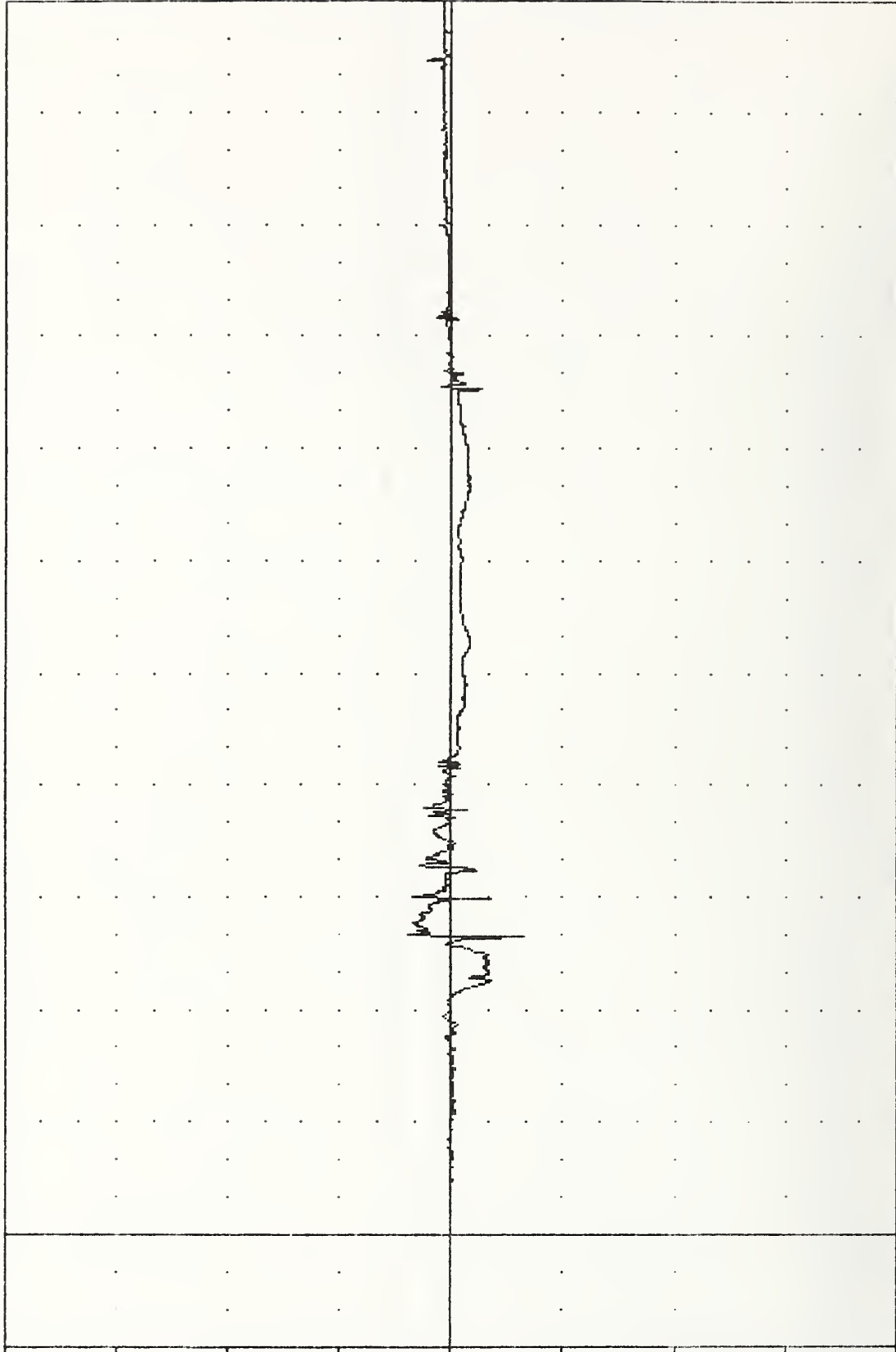
VRTC , R0384-4-17
BREED AIRBAG SLED PROGRAM
85112
HD2ZG1

FLOT DATE 3-MAY-85 12:29:48

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -32.80e 52.75 , 19.16 e 53.13

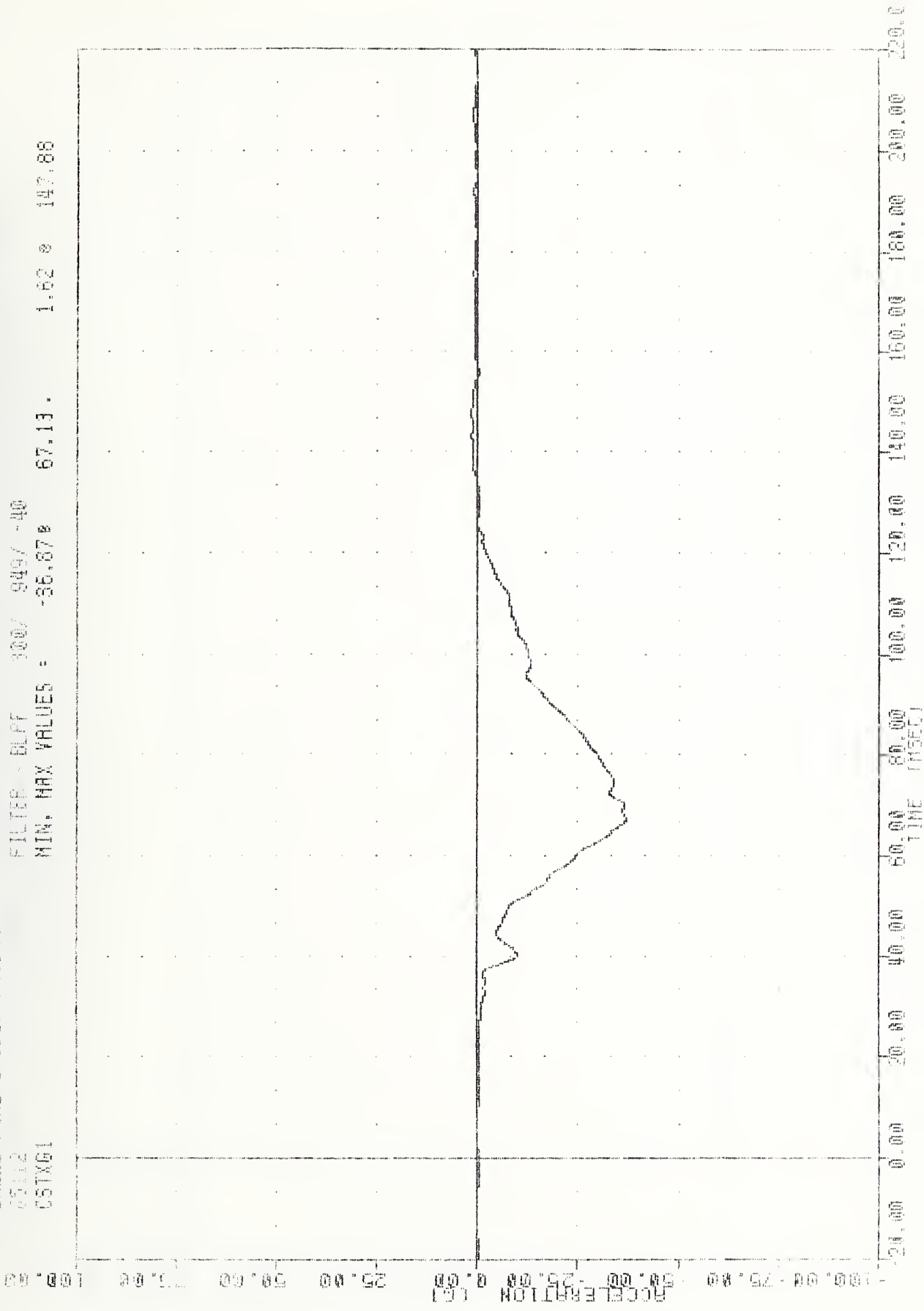
ACCELERATION (G)



-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)

60324-1
 BUREAU OF ROAD CONSTRUCTION
 WASHINGTON, D.C. 20530
 FILTER - BLFF 300/ 9497 -40
 MIN. MAX VALUES : -36.67% 67.13. 1.62 @ 147.88
 CSTXG1



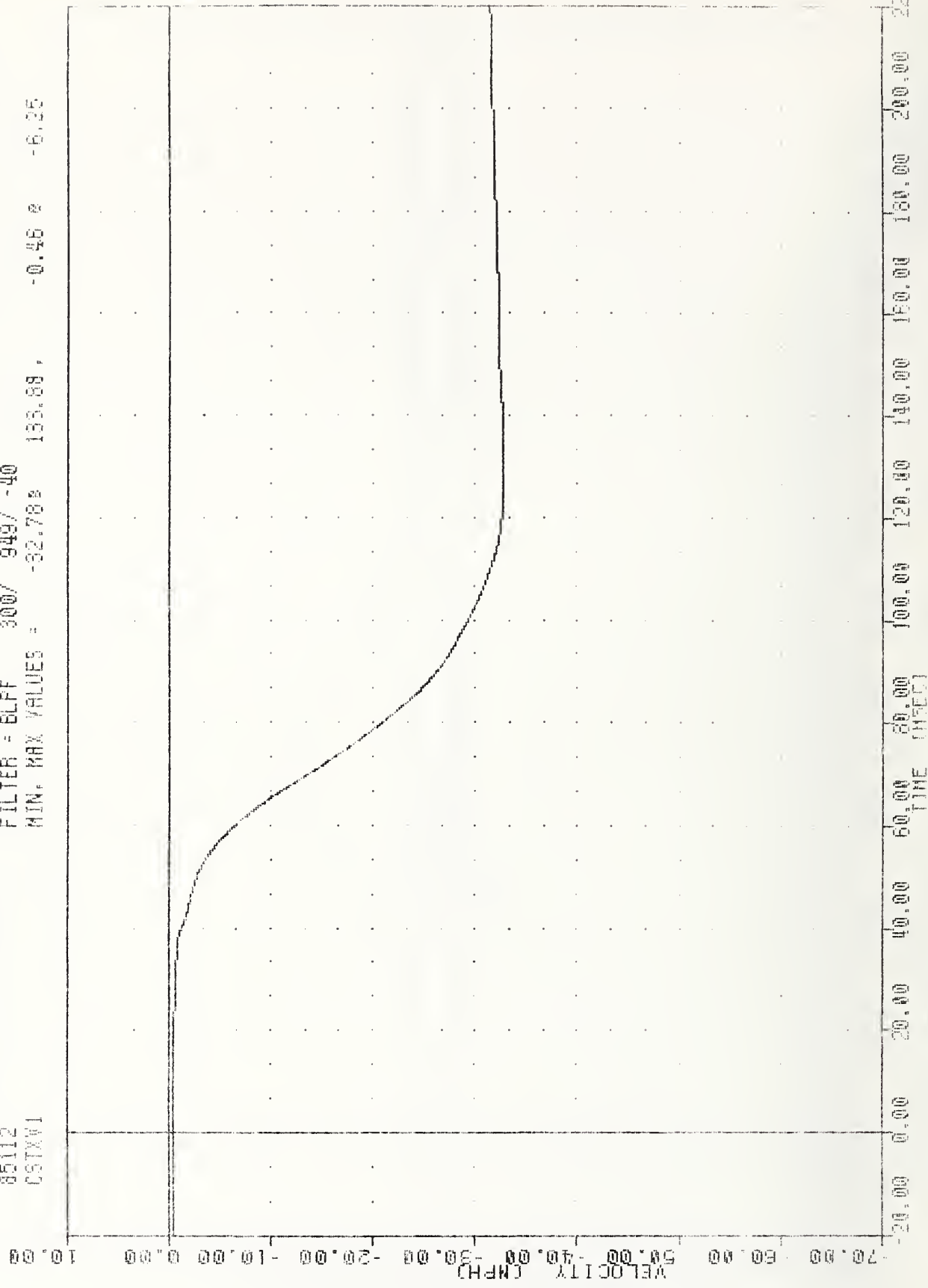
CHAIRSOLE IMPACT SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER CHEST ACCELERATION X AXIS

NR10 , K0384-4-17
BREED AIRBORN SLED PROGRAM
85112
CSTXV1

PLOT DATE 6-MAY-85 13:56:06

FILTER = BLFF 300/ 949/ -40

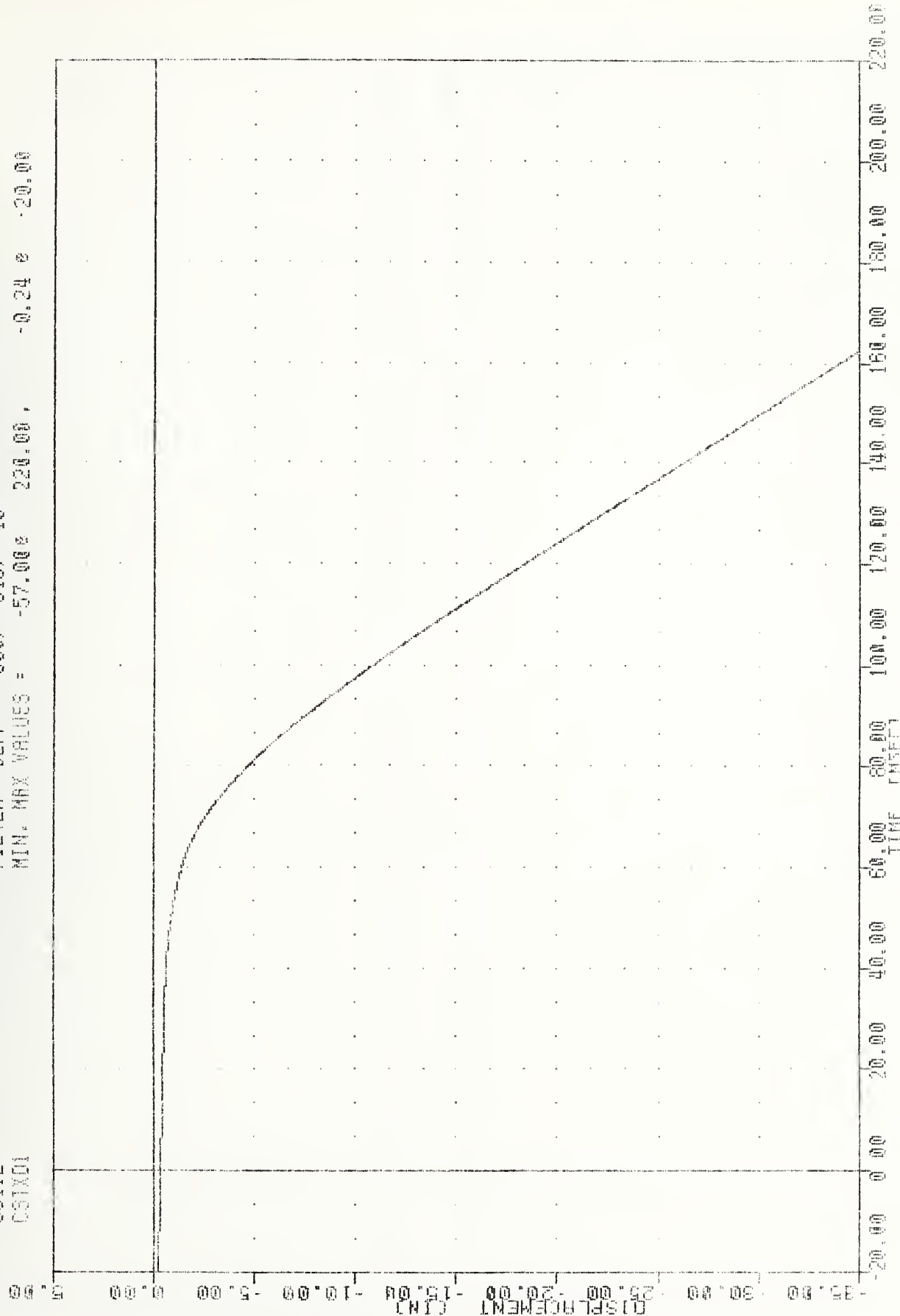
MIN. MAX VALUES = -32.78 133.88 , -0.46 6 -6.25



CHEVROLET IMPALA SLED TEST # 30 MPH @ 50TH PERCENTILE HYBRID III DUMM
DELTA V USING CSTXV1

VRIC , PD384-4-17
BASED AIRBAG SLED PROGRAM
85112
CSTXD1

PLOT DATE 6-MAY-85 13:56:06
FILTER = BLFF 30M/ 949/ -40
MIN. MAX VALUES = -57.00e 220.00 , -0.24 e -20.00

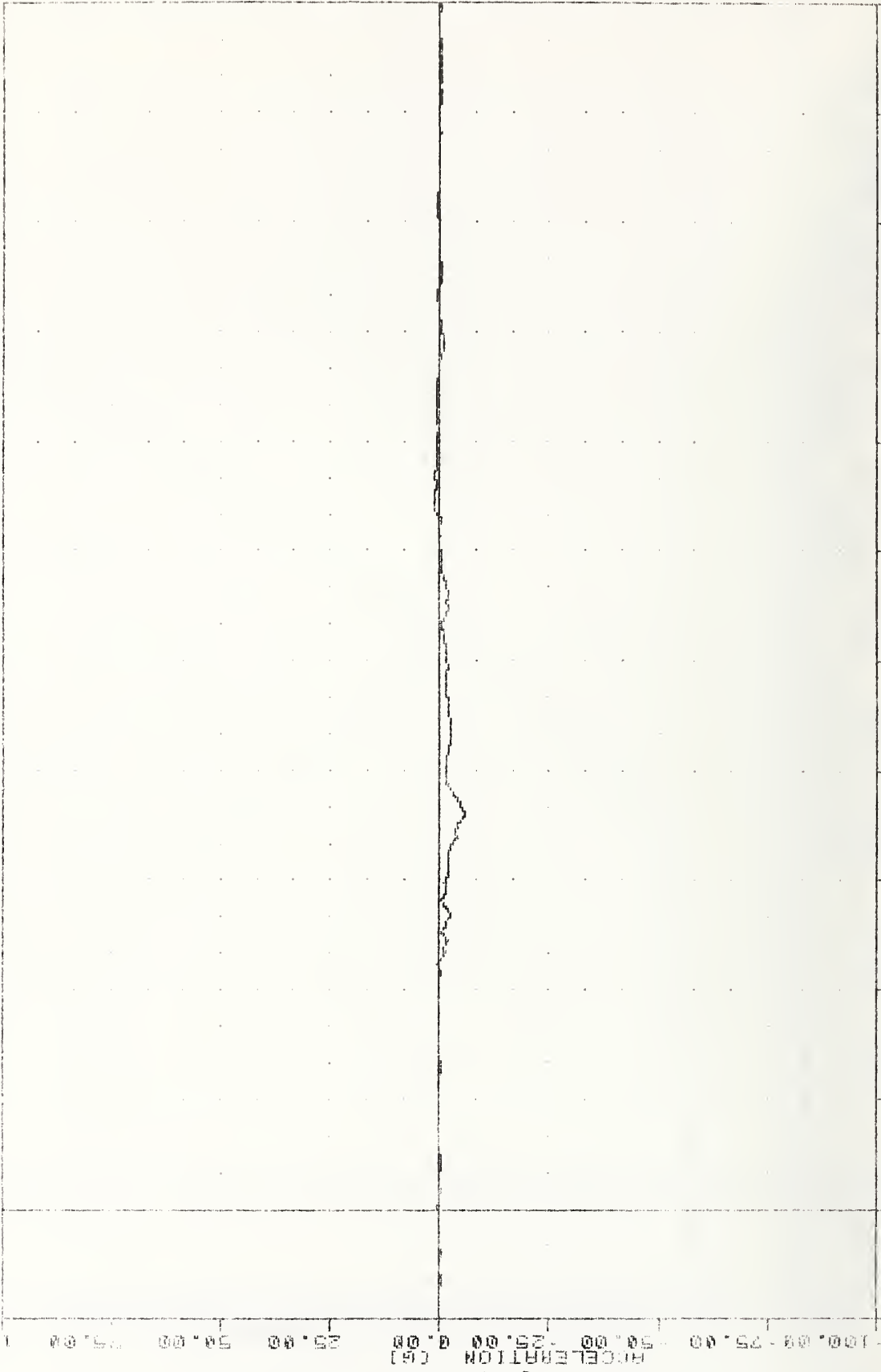


CHEVROLET IMPACT SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM.
REF TO X LISTING, P. 104

207
 BREED AIRBAG SLED PROGRAM
 06112
 CSTY61

RUN DATE 26 APR 85 15:12:17
 FILTER = BLPF 300/ 949/ 40
 MIN, MAX VALUES = 72.00 , 1.28 * 128.00

100.00



ACCELERATION (G)

112

20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

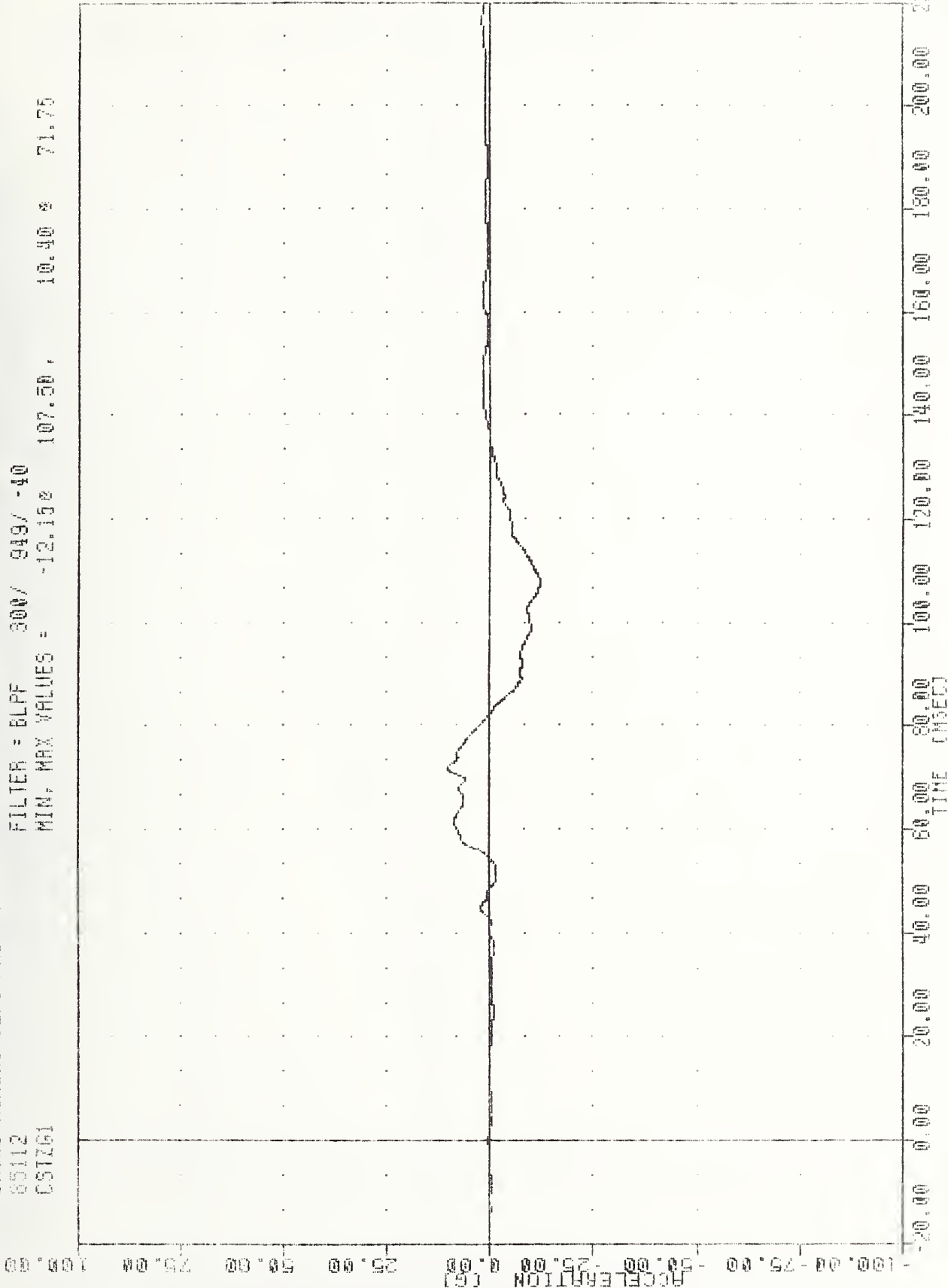
CHEVROLET AIRBAG SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
 DRIVER SEAT BELT AND SEATBELT IN PLACE

V81C
R0384-4-17
SLED RIGS
85112
CSTZ61

PLOT DATE 6-MAY-85 13:55:52

FILTER = 6LPF 300/ 949/ -40

MIN. MAX VALUES = -12.132 107.50 10.40 71.75

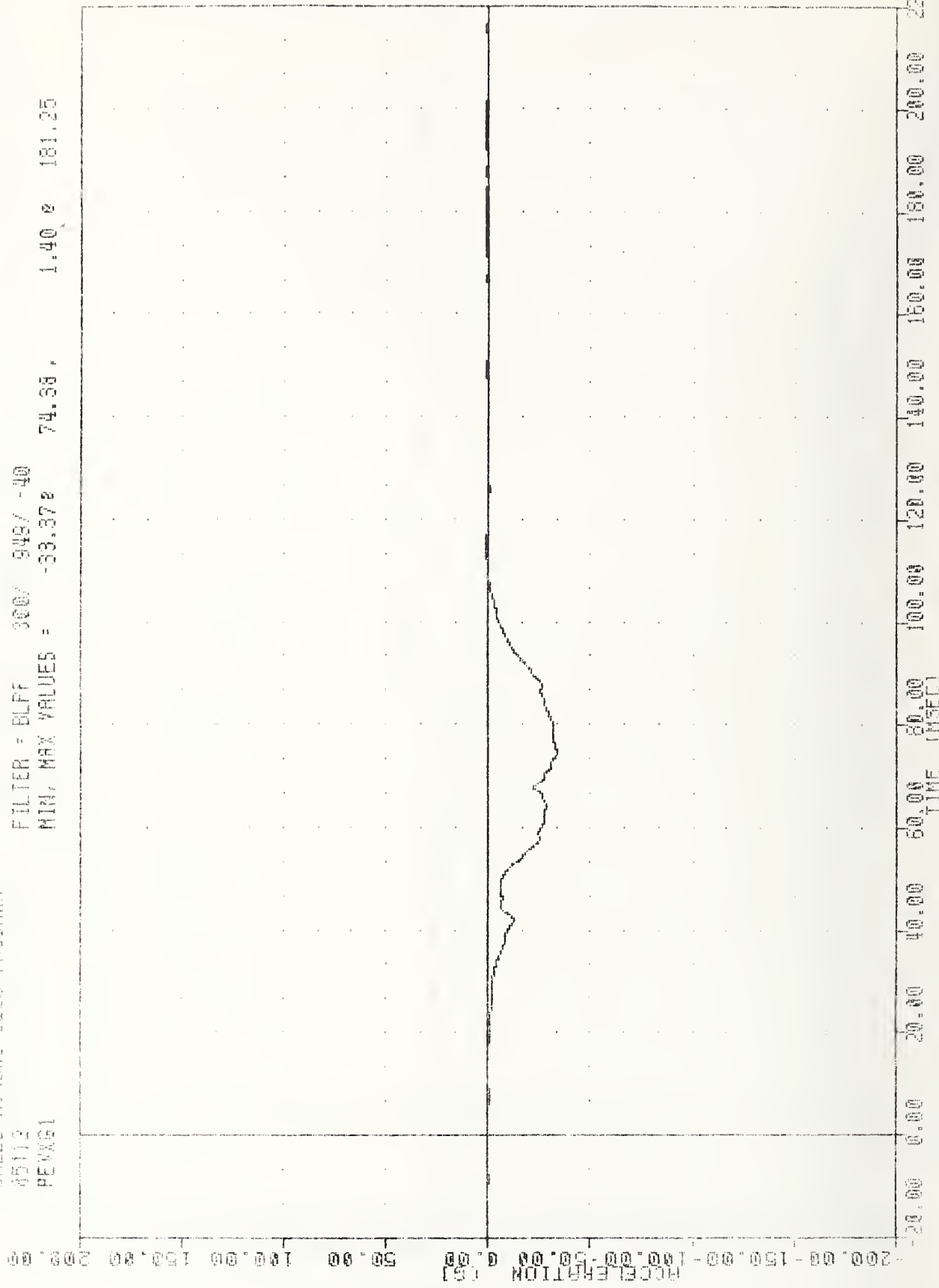


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
THORAX CHEST ACCELERATION Z AXIS

05112
 PEVXG1
 SREED RICHARDS SLED PROGRAM
 05112

PLOT DATE 26-APR-85 15:10:17

FILTER = BLFF 300/ 948/ -40
 MIN, MAX VALUES = -33.37e 74.38e 1.40e 181.25

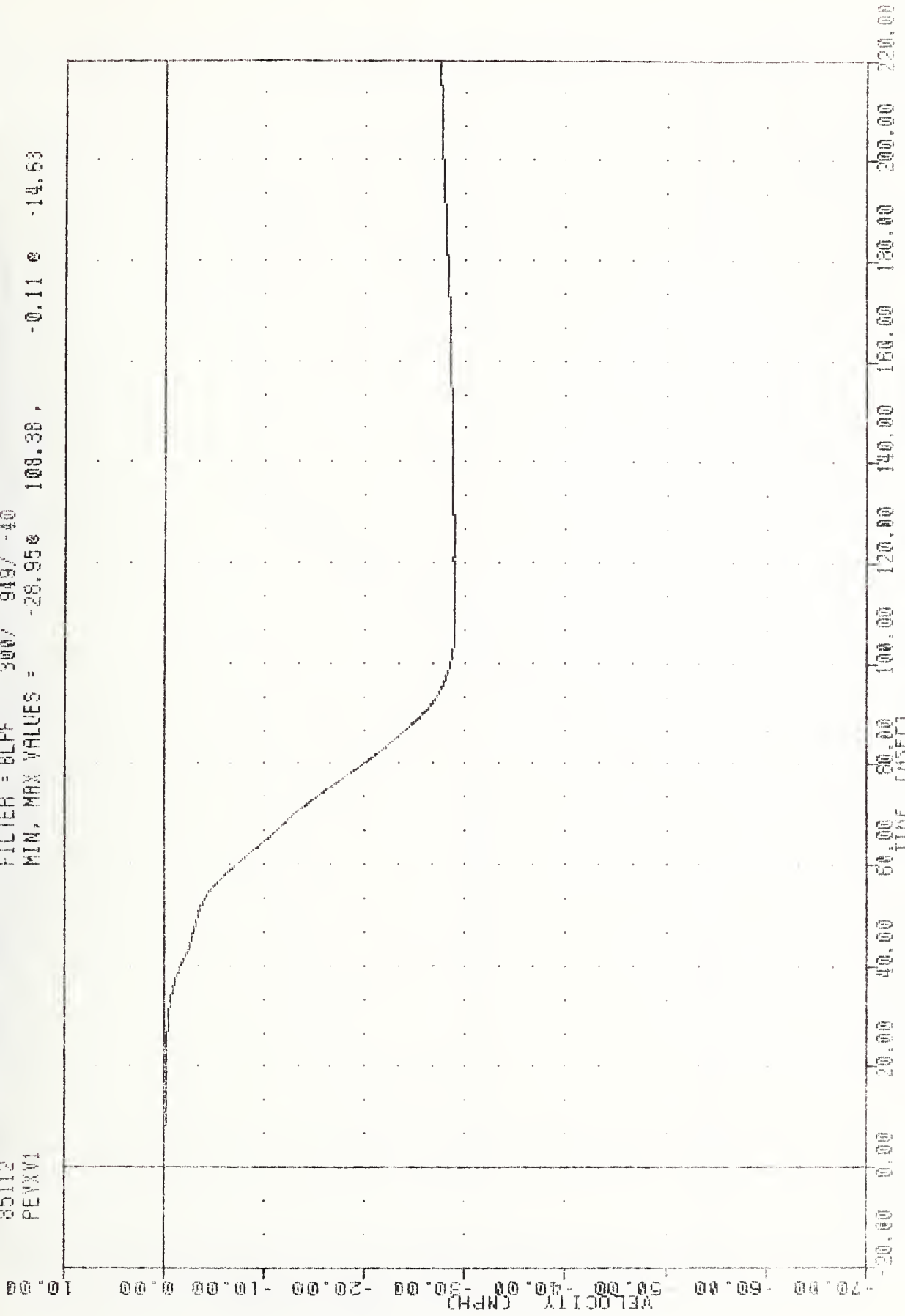


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID II) LUMN
 PEVXG1 (MSEC)

VSTC , R0384-4-17
BASED AIRBERG SLEO PROGRAM
85112
PEVXV1

PLOT DATE 25-APR-85 14:14:31

FILTER = 8LFF 300/ 949/ -10
MIN, MAX VALUES = -28.958 108.38 , -0.11 e -14.63



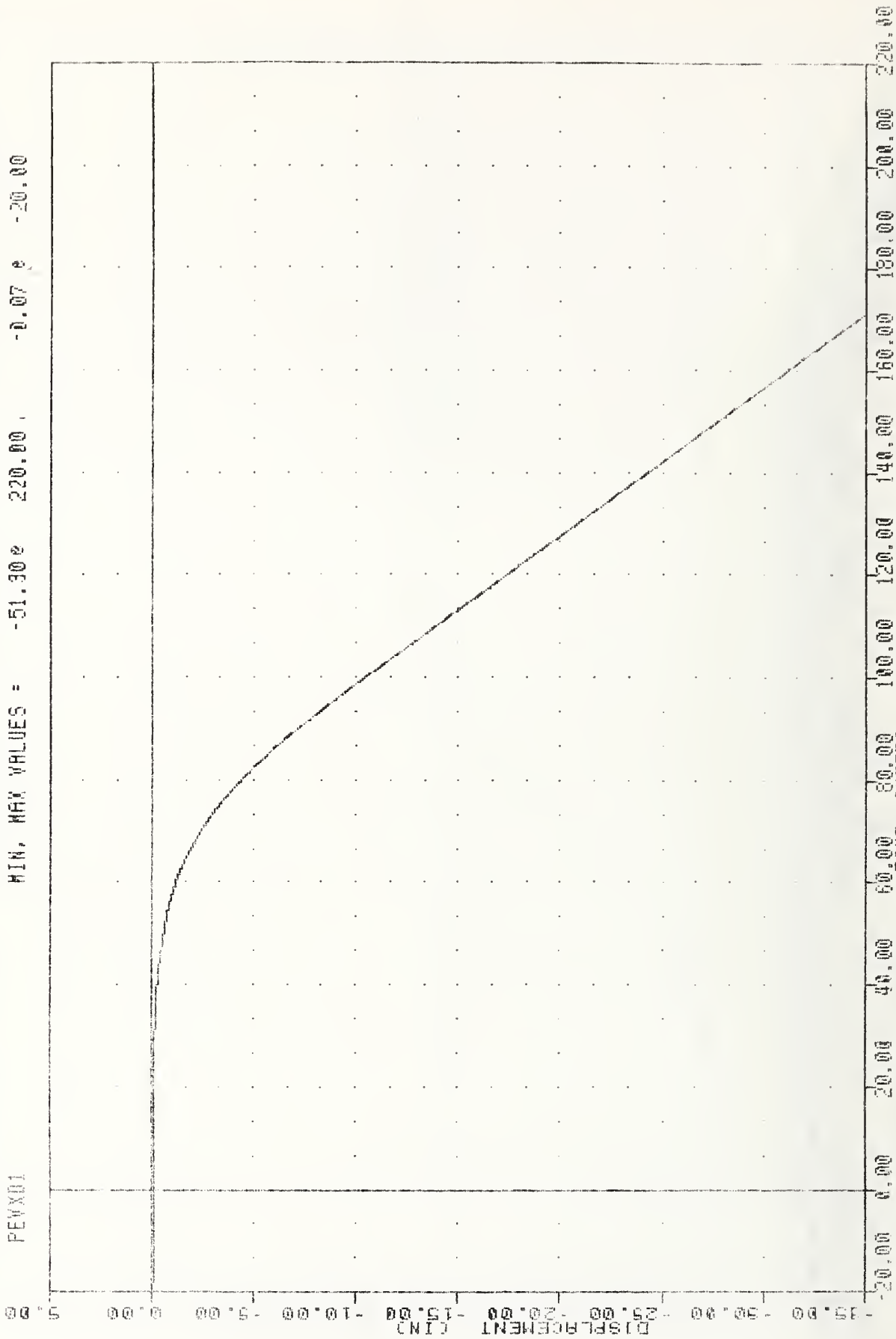
OVERSAMPLING IMPAIR SLEO TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING PEVXV1

VATIC , PD384-4-17
BASED IMPACT SLED PROGRAM
53112
PEVX01

PLOT DATE 25-SEP-85 14:14:31

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -51.30e 220.00 , -0.07 e -20.00



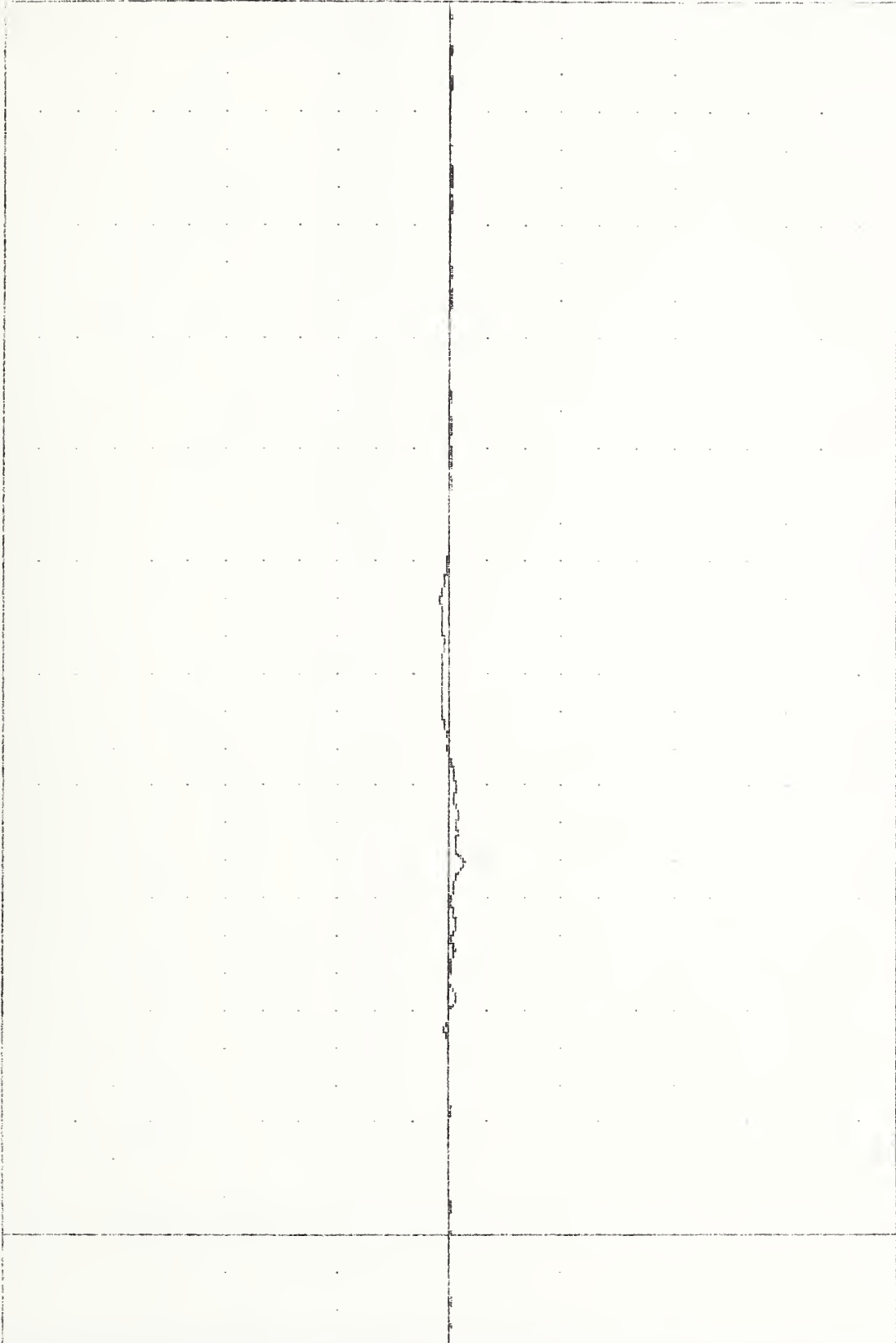
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING PEVXY1

0910 00304-4-17
 BASED AIRBAG SLED PROGRAM
 05112
 PEVY61

ALU DATE 20-APR-80 15:12:17

FILTER = 0LFF 300 / 949 / -40
 MIN. MAX VALUES = -8.640 4.140 112.80

ACCELERATION (G) 200.00 150.00 100.00 50.00 0.00 50.00 100.00 150.00 200.00

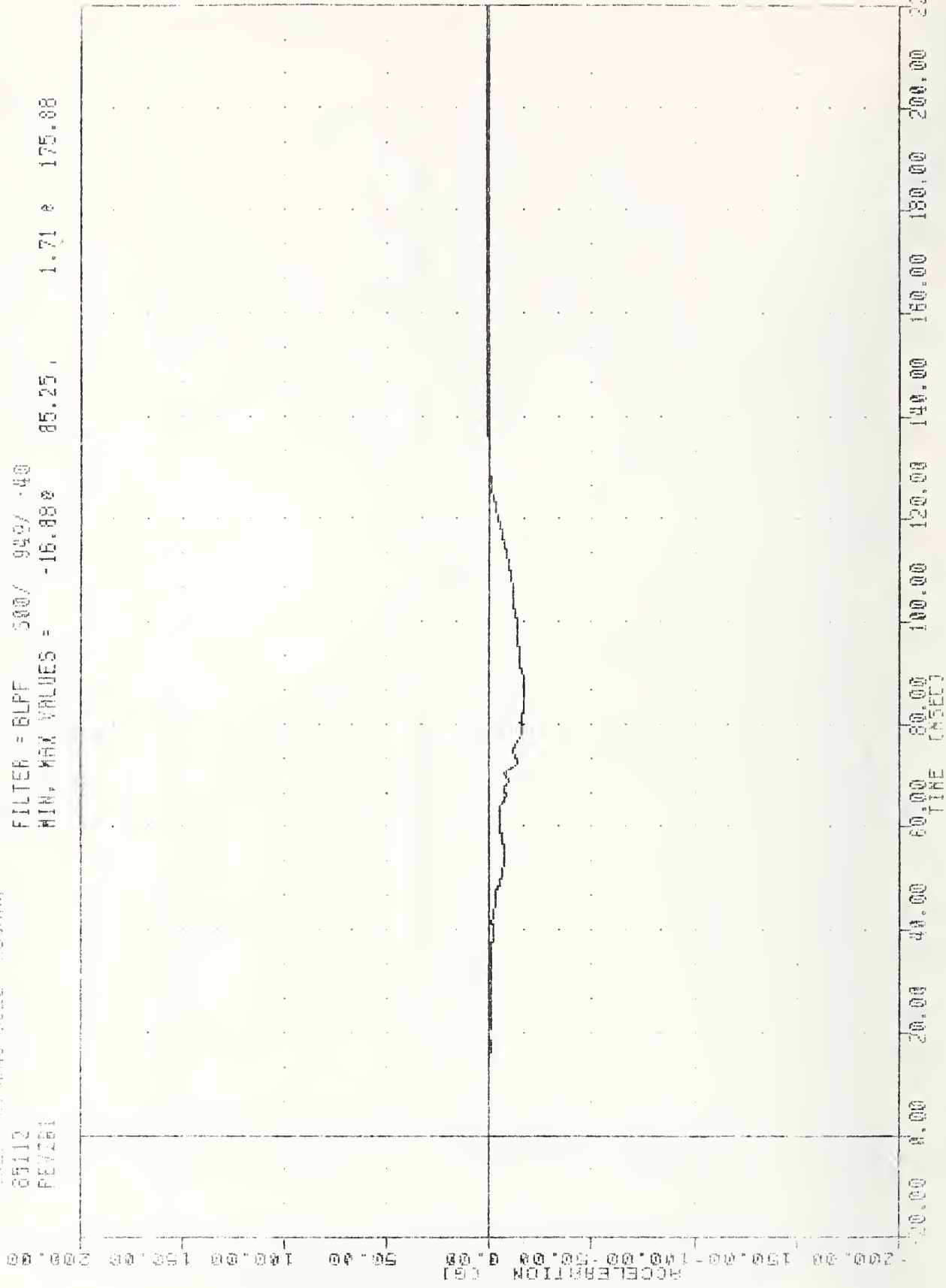


0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 150.00 180.00 200.00 220.00
 TIME (SECS)
 1500 FT. 1000 LB. SLED TEST - 80 MPH - 50TH PERCENTILE HYBRID III DUMMY

09/15/94 0-17
SAFARI 5000 SLED PROGRAM
05112
PEV261

PLUT DATE 05-08-92 15:12:17

FILTER = BLPF 500/ 940/ -40
MIN, MAX VALUES = -16.88e 85.25, 1.71 e 175.88

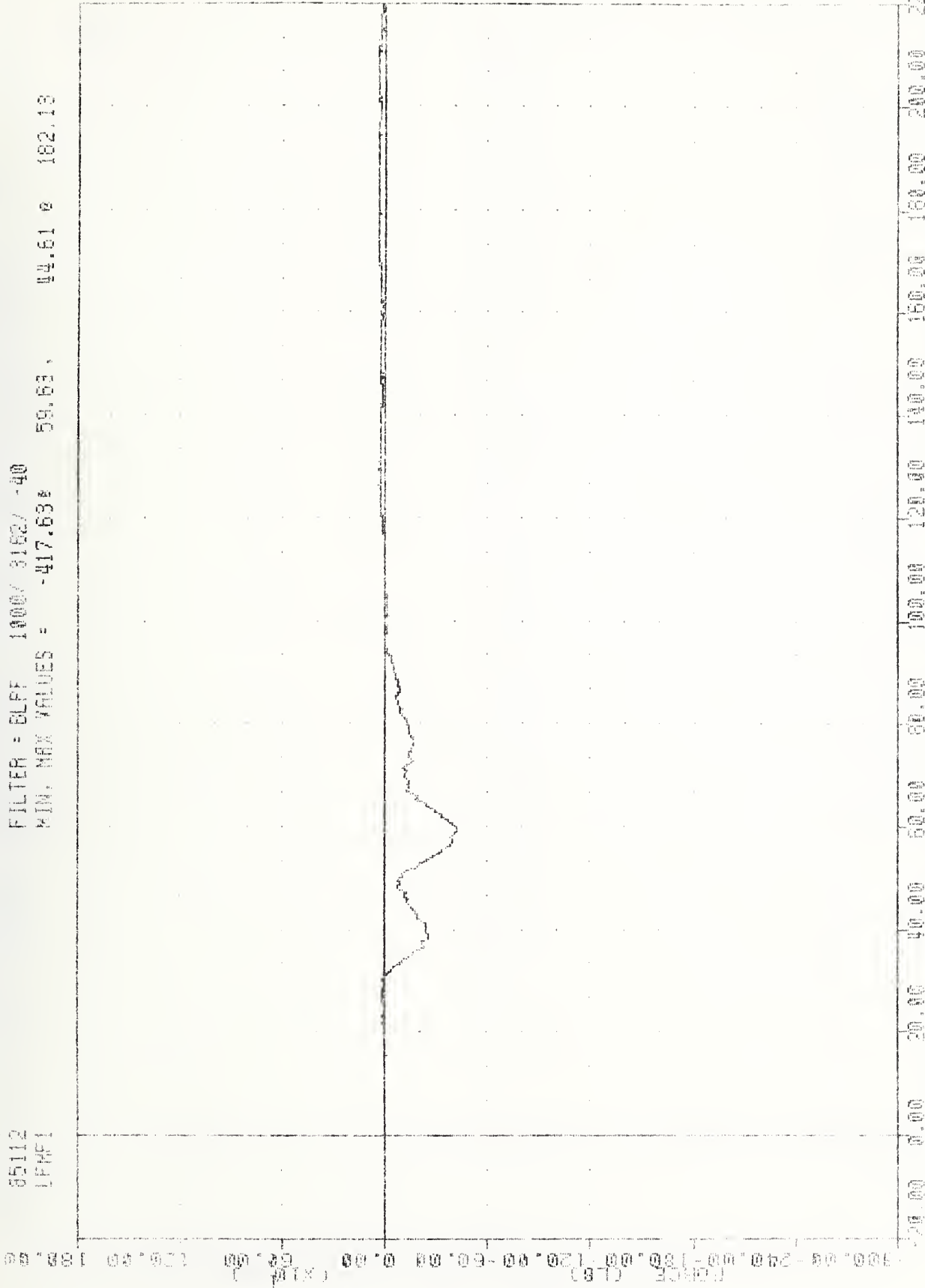


200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMM
DRIVER SEAT ACCELERATION Z AXIS

VPI
 R0304-V-17
 R0300 RISEAR 8130 PROGRAM
 05112
 LFPH1

PLOT DATE 15 089-89 15:12:17

FILTER = BLPF 1000/ 3192/ -40
 MIN. MAX VALUES = -417.63# 59.63# 44.61 e 182.13



30 MPH - BOTH FRONT TIRE HYBRID III DUMPER
 30 MPH - BOTH FRONT TIRE HYBRID III DUMPER

70 4 4-11 PLOT DIFF 26-SEP-68 15:12:17

BACED AIRBAG SLED PROGRAM

85112

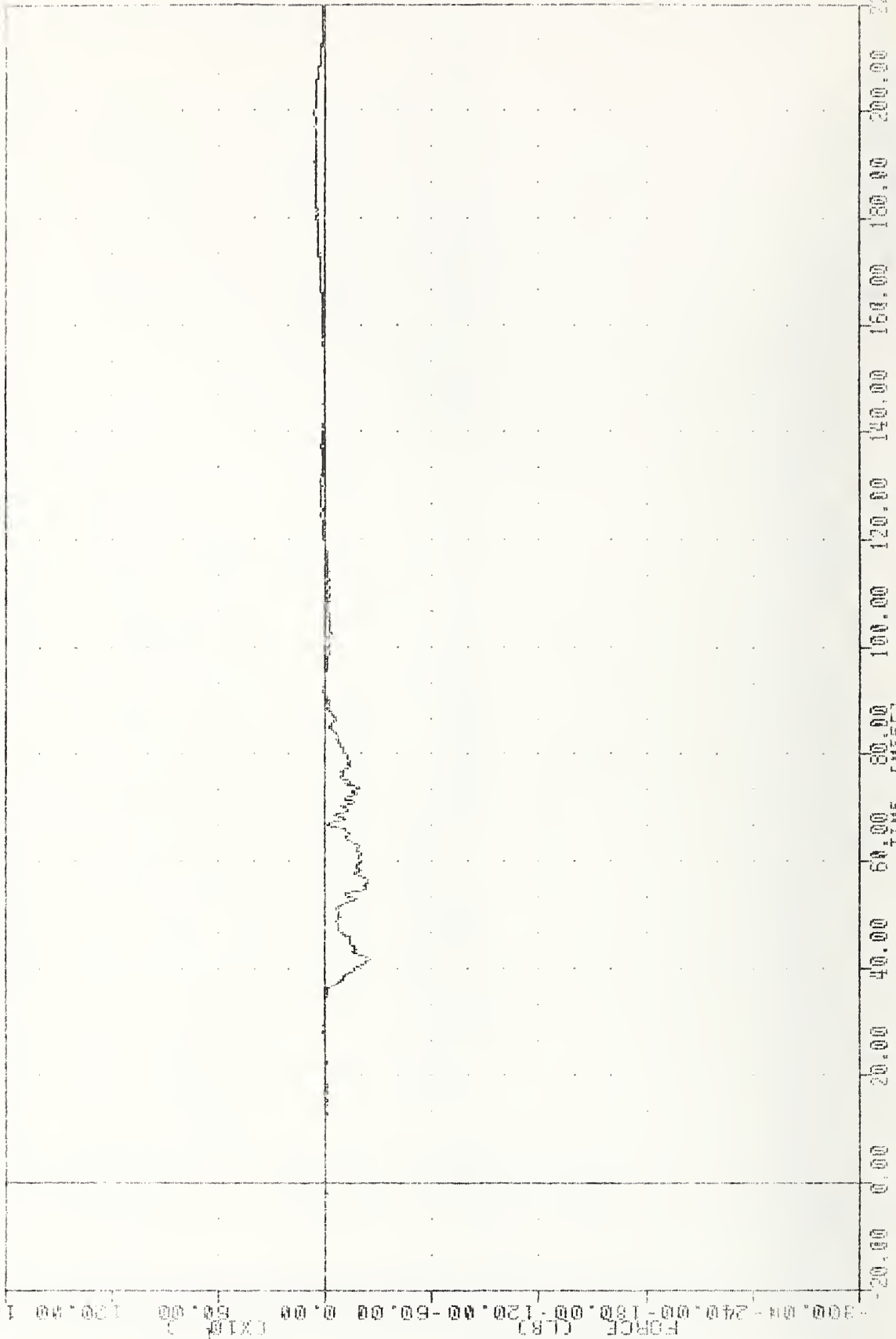
RFMFI

FILTER = BLFF 1000/3162/ -40

MIN. MAX VALUES = -248.94e 41.88

61.97 e 200.00

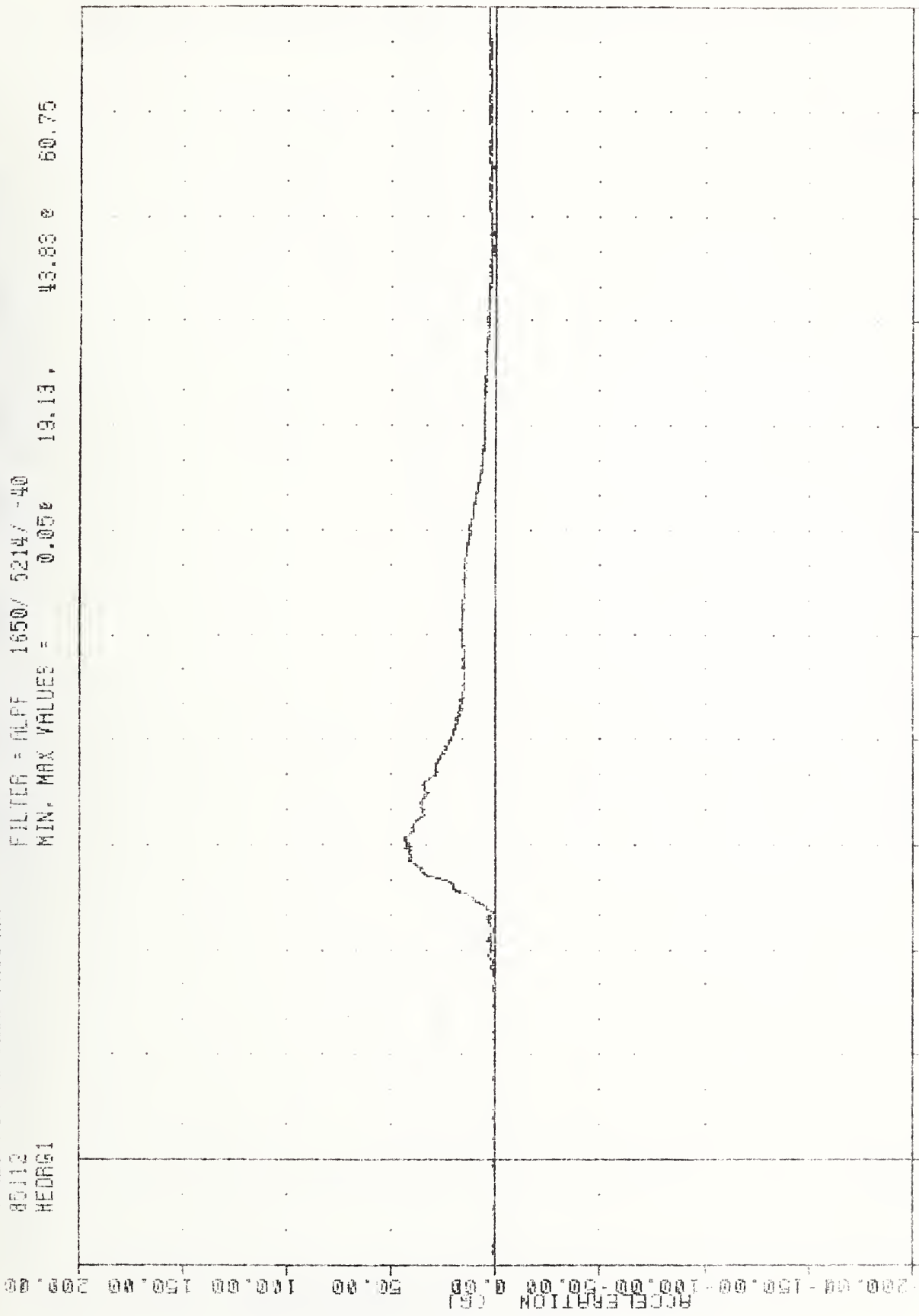
EX16 2



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY DRIVER RIGHT FEMUR F01 F

85112
HEADS1
BRED R18888 SLED PROGRAM

PRINT DATE 26-APR-85 10:29:03
FILTER = ALPF 1650/ -40
MIN. MAX VALUES = 0.05e 43.93 e 60.75



CHEVROLET IMPALF SLED TEST - 30 MPH 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD RESULTANT

01 APR 85 10:29:03

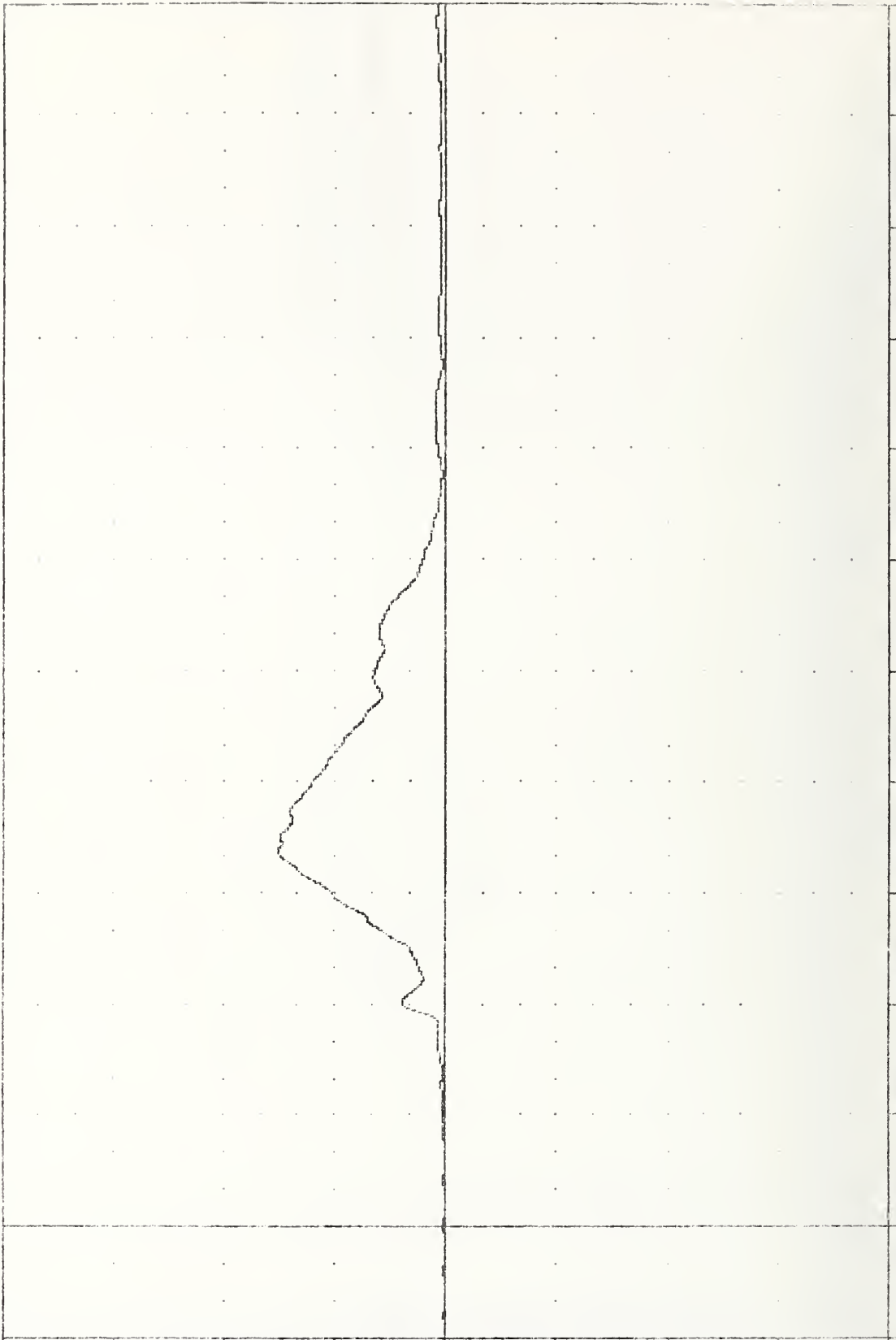
IMPALA SLED PROGRAM

05112
DSTRG1

FILTER = BLFF 300/ 919/ -10
MIN, MAX VALUES = 0.048 -6.13

37.73 8 87.50

ACCELERATION (G)



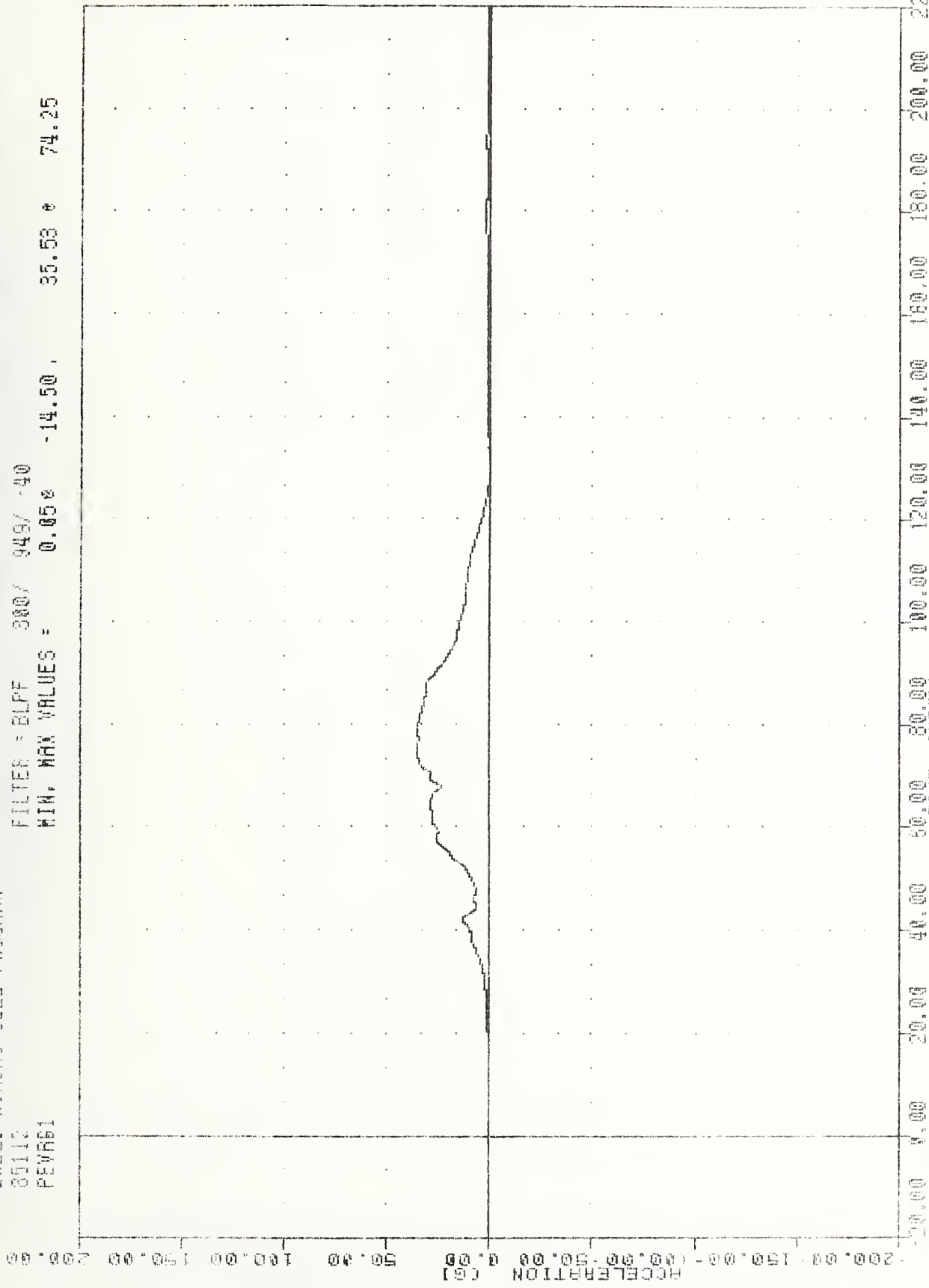
20.00 0.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00 65.00 70.00 75.00 80.00 85.00 90.00 95.00 100.00 105.00 110.00 115.00 120.00 125.00 130.00 135.00 140.00 145.00 150.00 155.00 160.00 165.00 170.00 175.00 180.00 185.00 190.00 195.00 200.00 205.00 210.00 215.00 220.00

CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST REST TEST

DATE * 20/84-9-17
 BREED AIRBAG SLED PROGRAM
 00112
 PEVR61

PLOT DATE 26 APR 85 10:29:26

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = 0.05% -14.50, 35.53 * 74.25

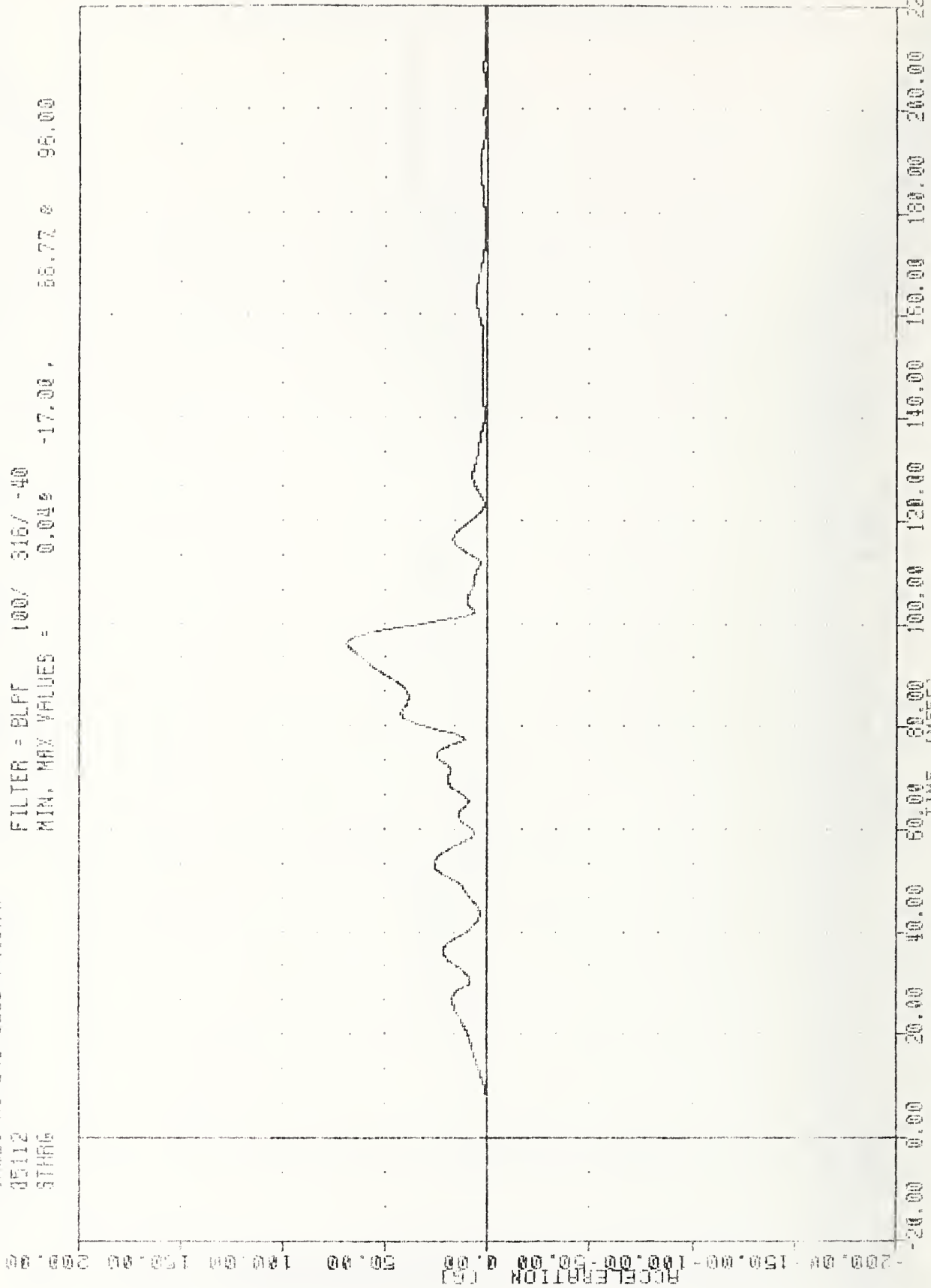


AIRBAG SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER PELVIS REGION

TEST # 85112
SPEED 81.000 SLED PROGRAM
3TR06

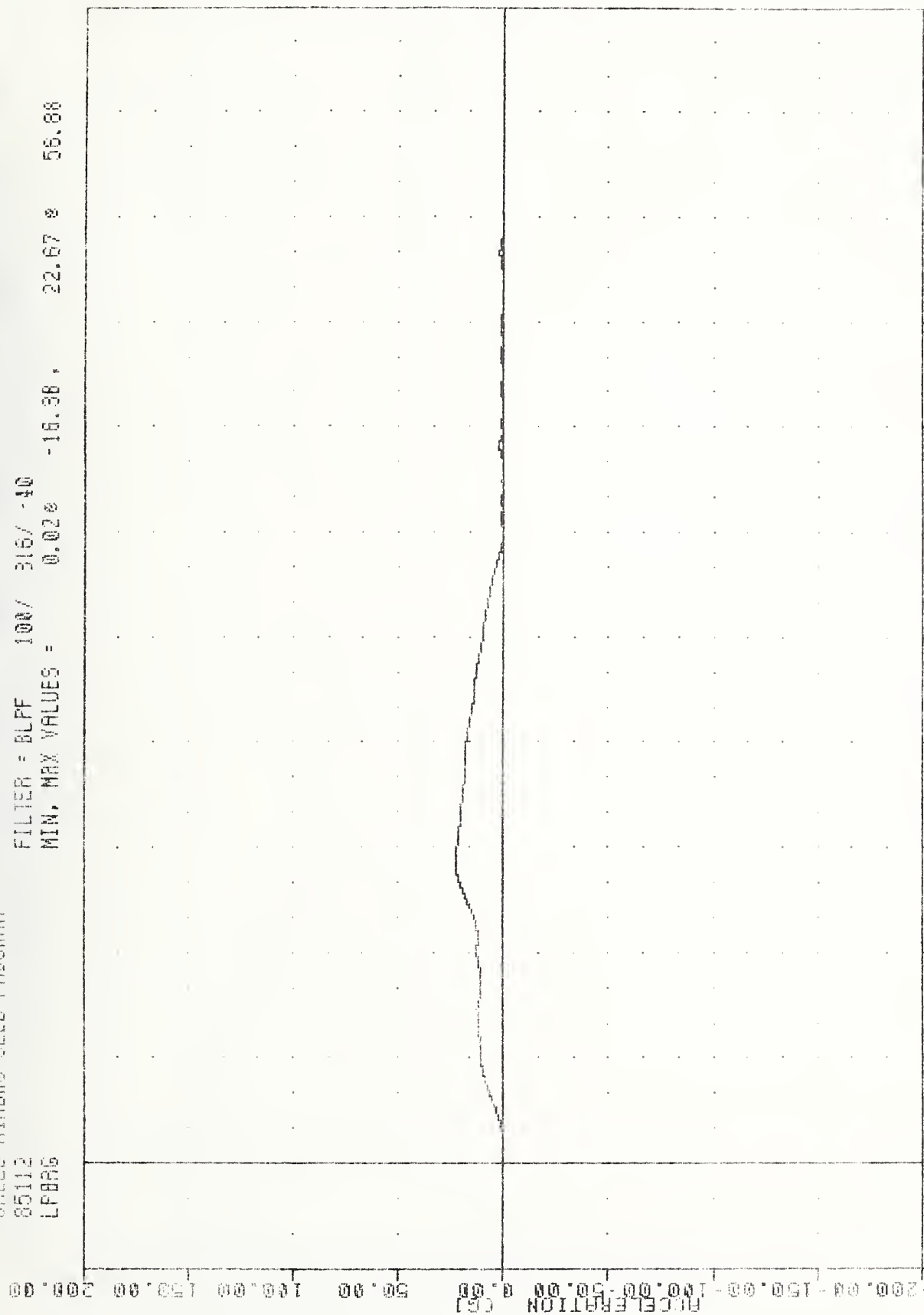
TEST DATE 26-APR-85 10:20:00

FILTER = BLFF 100/ 316/ -40
MIN. MAX VALUES = 0.049 -17.00, 66.72 @ 96.00



CHEVROLET IMPACT SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
STEERING COLUMN HUB RESULTANT

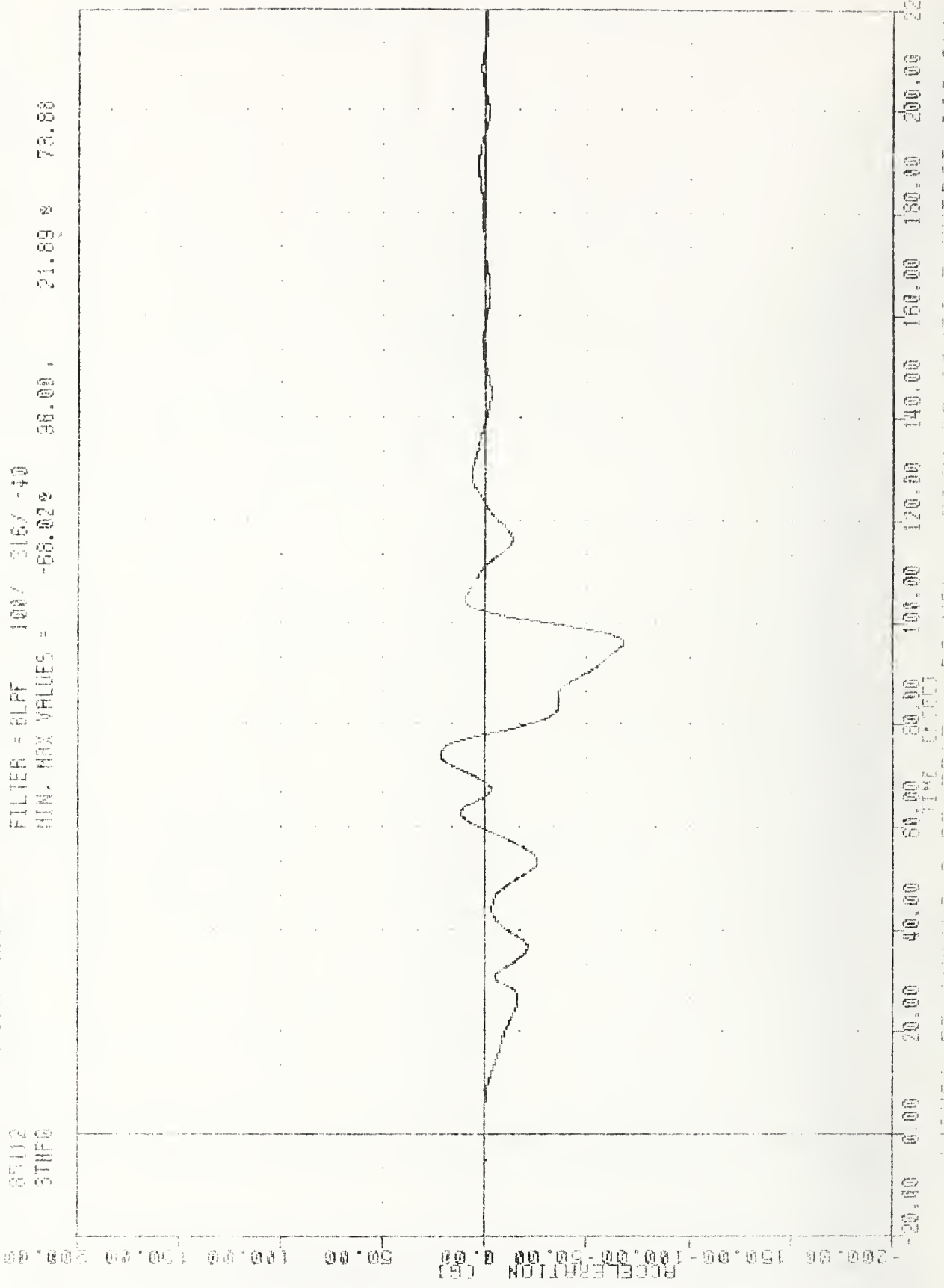
V81C , R0384-4 (2)
 SREED HYBRID SLED PROGRAM
 05112
 LPARS
 FILTER = 6LFF 100/ 316/ -40
 MIN, MAX VALUES = 0.02e -18.38 , 22.67 e 55.88



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 ACCELERATION [G]
 TIME [MSEC]

CHEVROLET IMPAL SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 PULLER LEFT @ REPLY FROM

87112
 STNFB
 67320 AIRBAS SLUB #12 5000
 7 80384-4-77
 PUP: 05.00 25-APR-85 15:12:17
 FILTER = 6LFF 100 / 316 / -40
 MIN, MAX VALUES = -68.02% 96.00, 21.89% 73.88

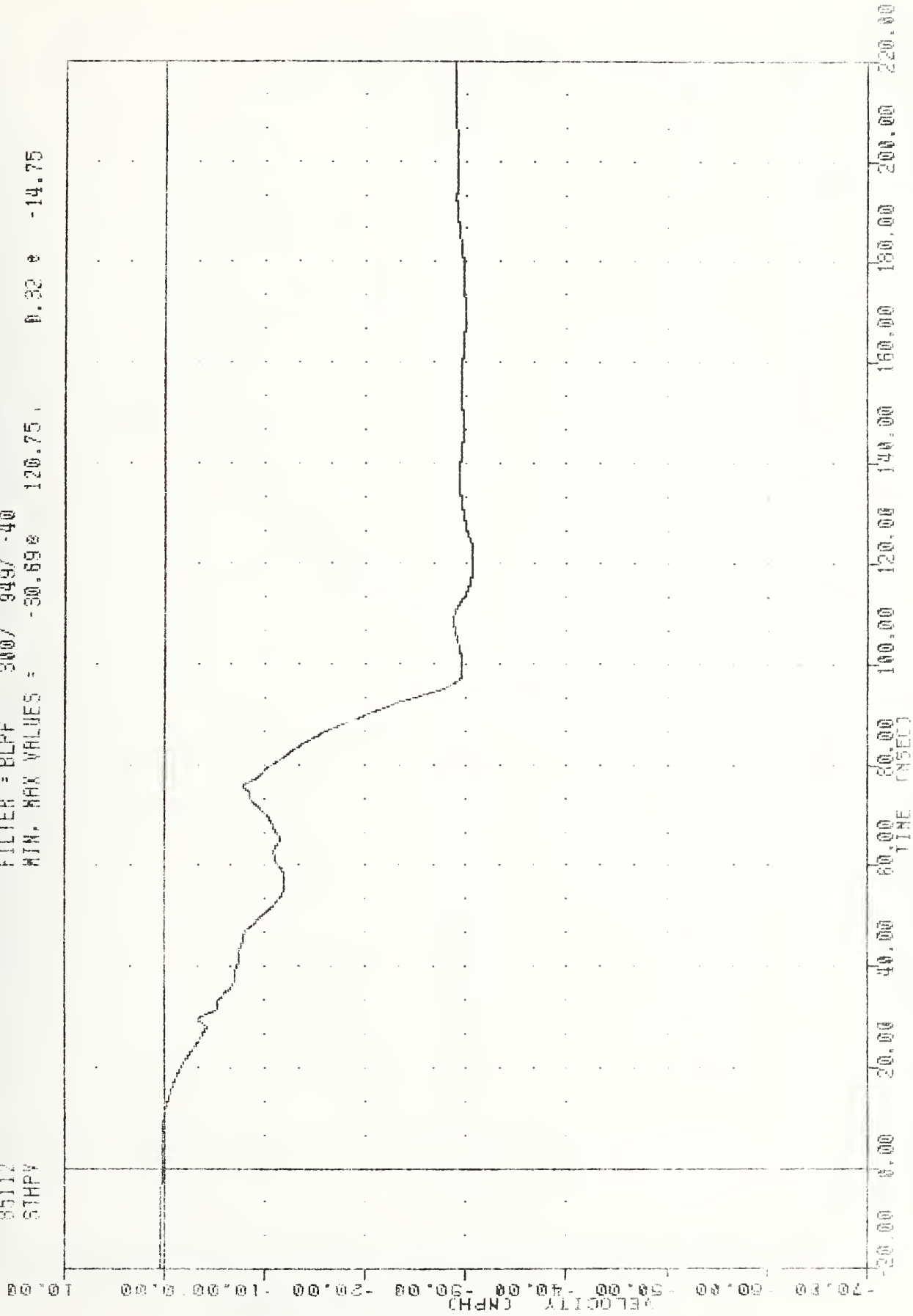


CHEVROLET IMPACT SLED TEST 70 MPH 50TH PERCENTILE HYBRID III DUMMY
 TIME (SEC)

VOTC . R0384-4-17
BREED HIRSHS SLED PROGRAM
85112
STHPY

PLOT DATE 25-APR-85 14:14:31

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -30.69e 120.75 , 0.32 e -14.75

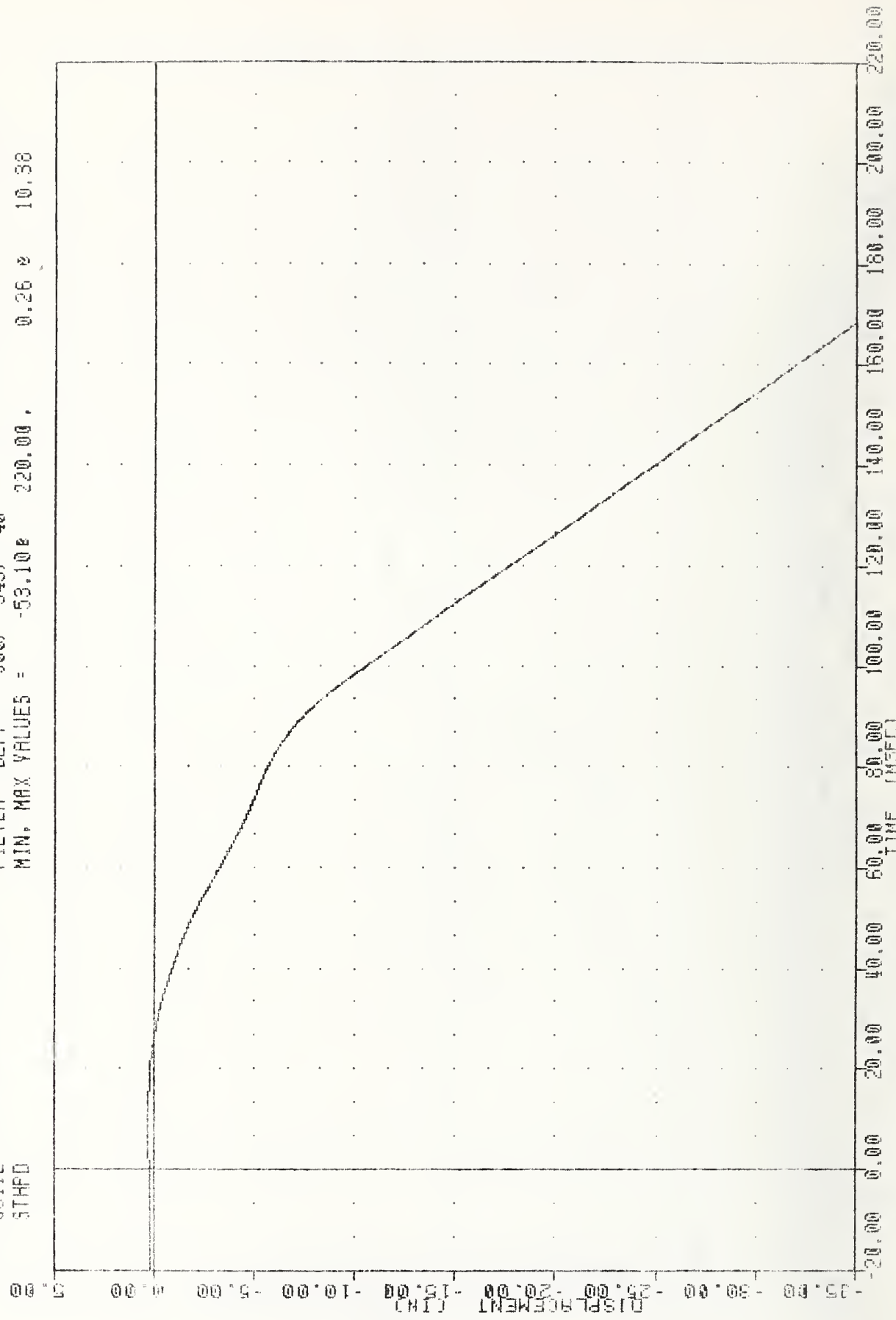


VELOCITY IMPAIRA WED T59] - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
[M310 V USING STHPY]

85112
STHFD
BREQD AIRBAG SLED PROGRAM
R0284-4-17

PLOT DATE 25-APR-85 14:14:31

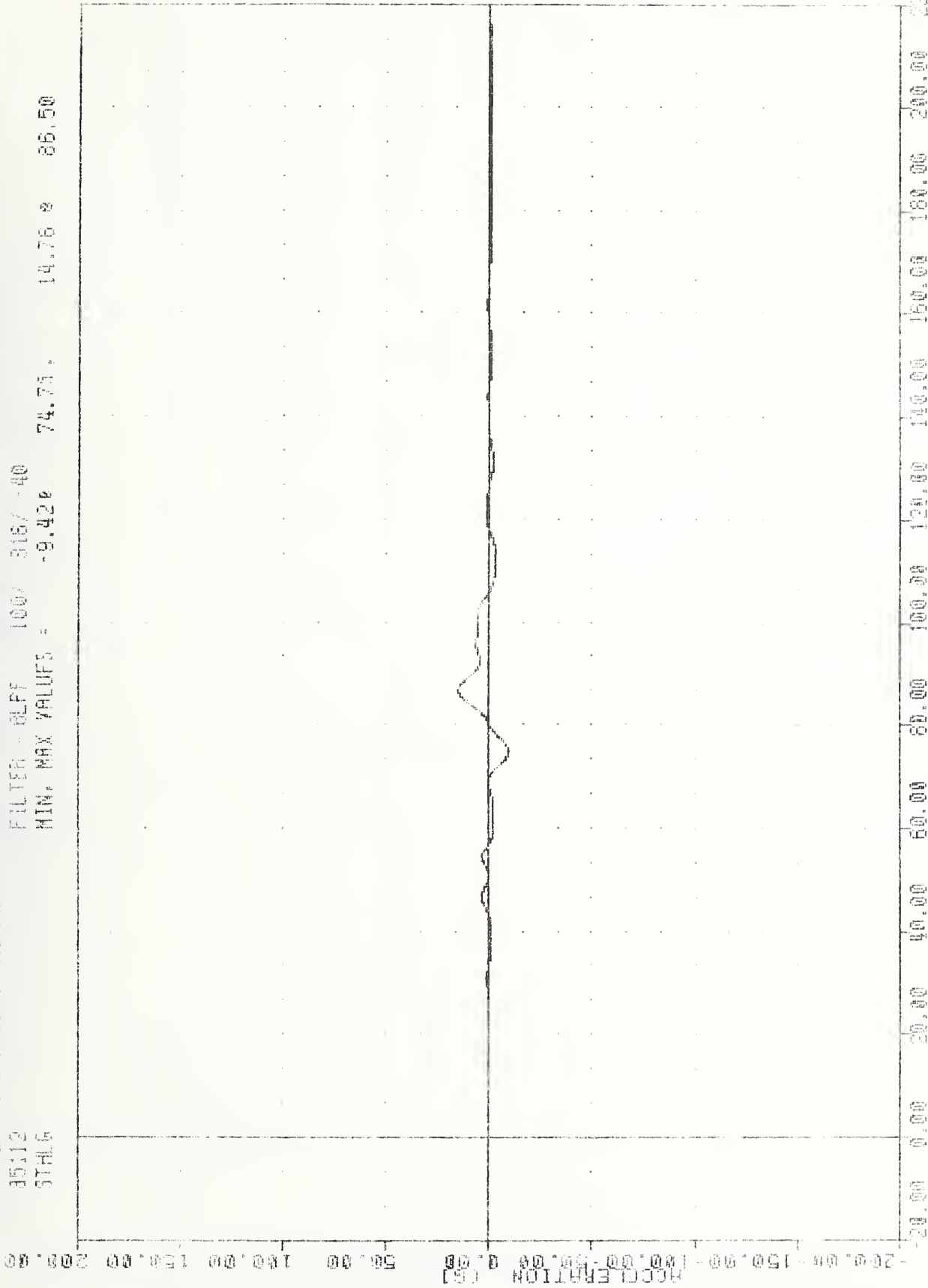
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -53.10E 220.00 0.26 E 10.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING STHPV

11/11 01:00 26-SEP-69 151121E
 BRCD AIRBORNE SLED PROGRAM
 35112
 STALG

FILTER - 8LFF 100/ 3157 -40
 MIN. MAX VALUES = -9.42# 74.7# 14.76 # 86.50



200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 ACCCELERATION (G)
 TIME (MSEC)

7:30:34 AM 26 APR 87 15:12:17

BASED IMPALA SLED PROGRAM

89112

STH16

FILTER = BLFF 100/ -40

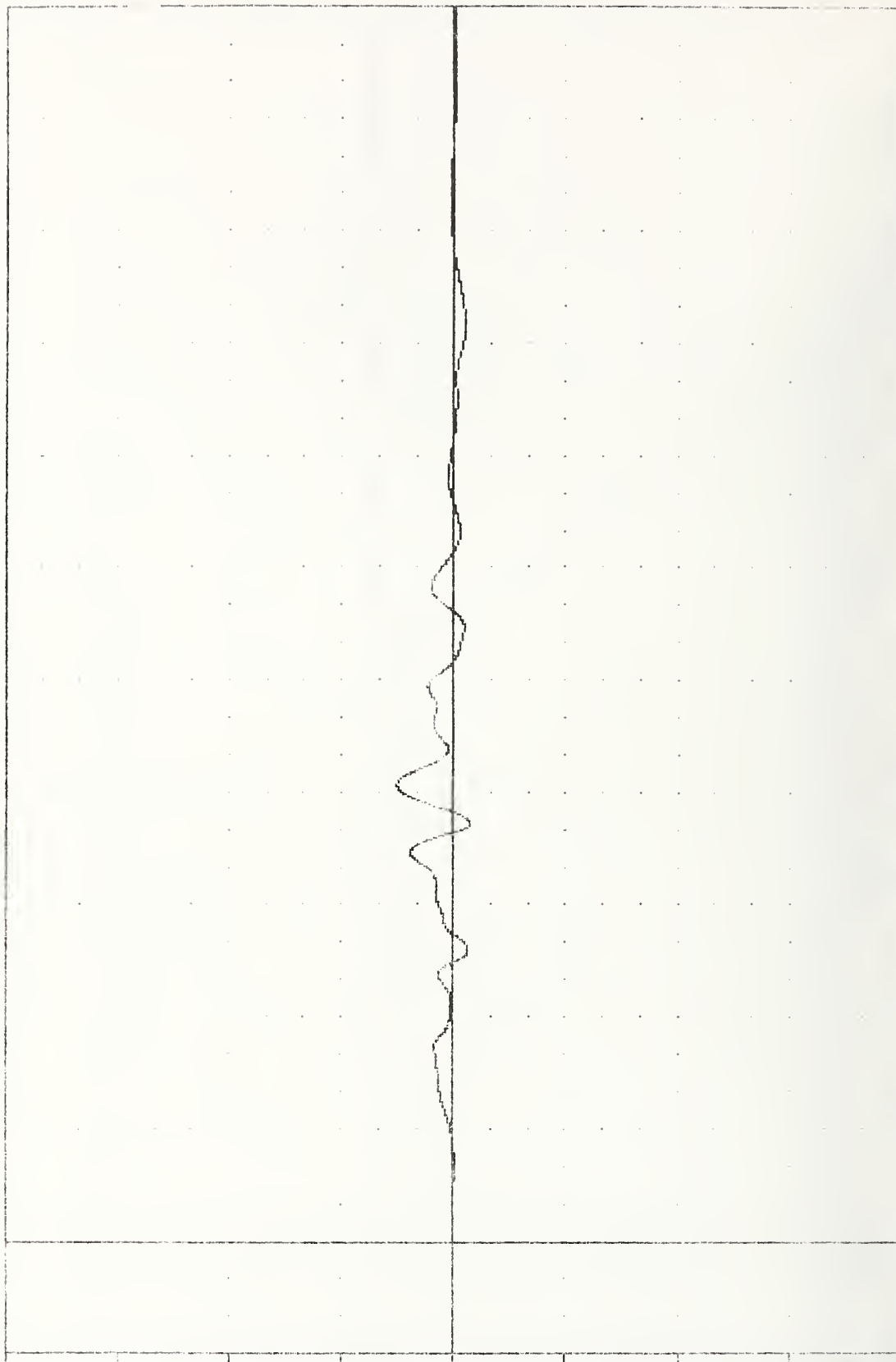
H/M, MAX VALUES = -7.59%

74.38

25.34

81.25

ACCELERATION G

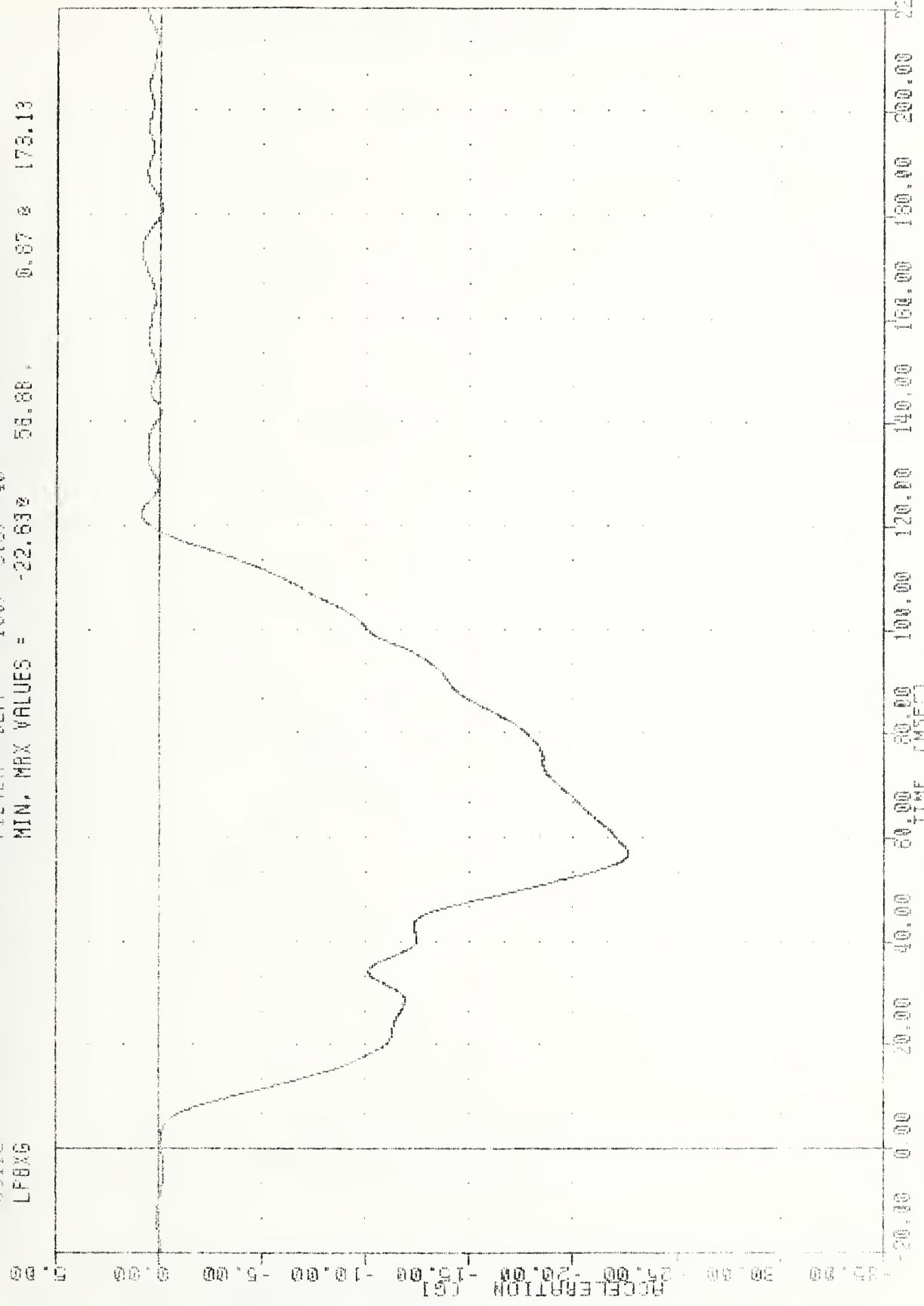


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 150.00 150.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

85112
 LFOXS
 BASED AIRBAG SLED PROGRAM
 85112

RUN DATE 10-APR-85 15:12:17
 FILTER = BLFF 100/ 316/ -40
 MIN. MAX VALUES = -22.63% 56.88 0.87 & 173.13

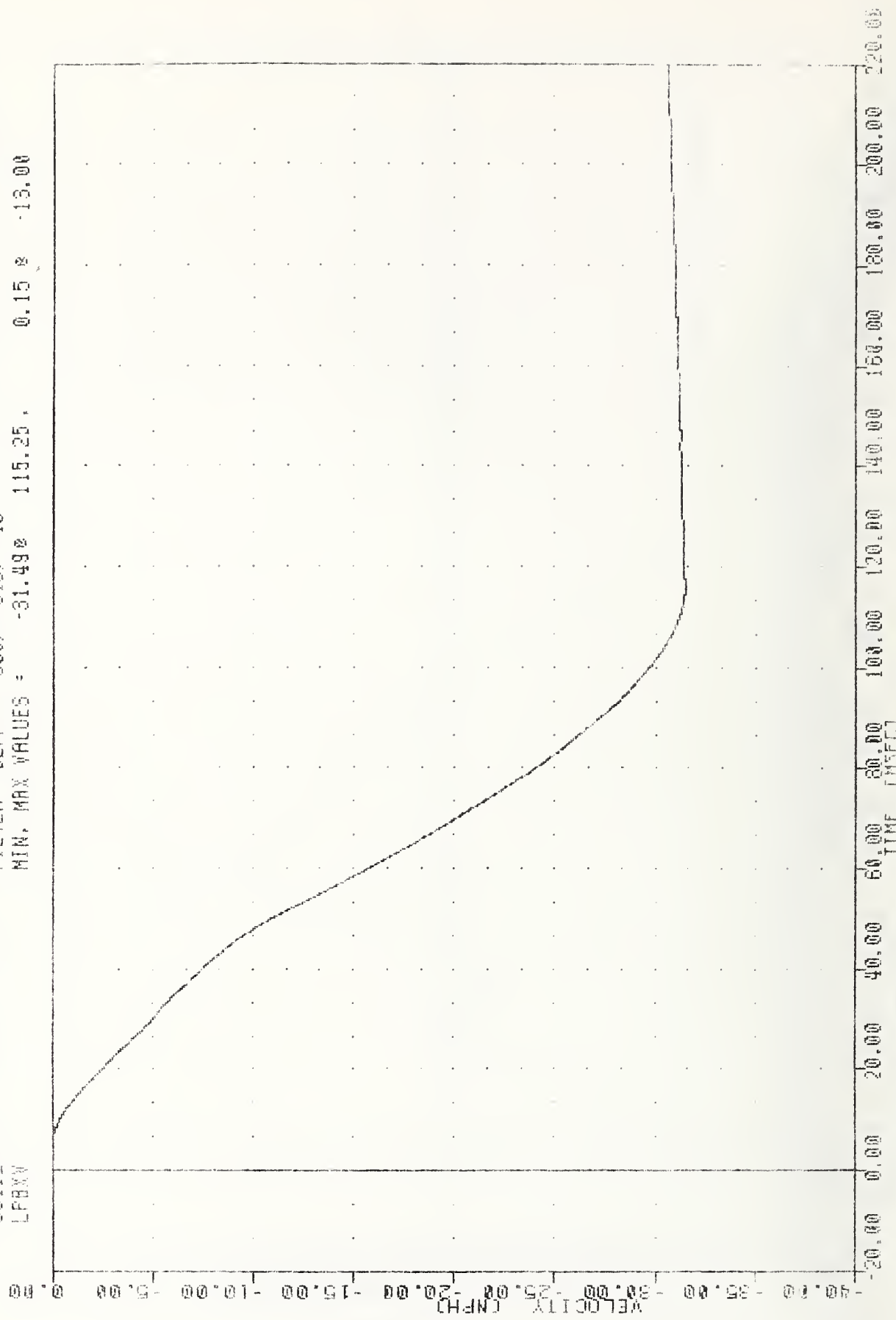


PROJECT IN AIR BAG SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 2001-01-01 08:00:00

VRIC : 00304 19-17
BREED IMPALA SLED PROGRAM
85112
LPBXV

PLOT DATE : 25-APR-85 14:14:31

FILTER = BLFF 300/ 919/ -40
MIN. MAX VALUES : -31.492 115.25 0.15 13.00



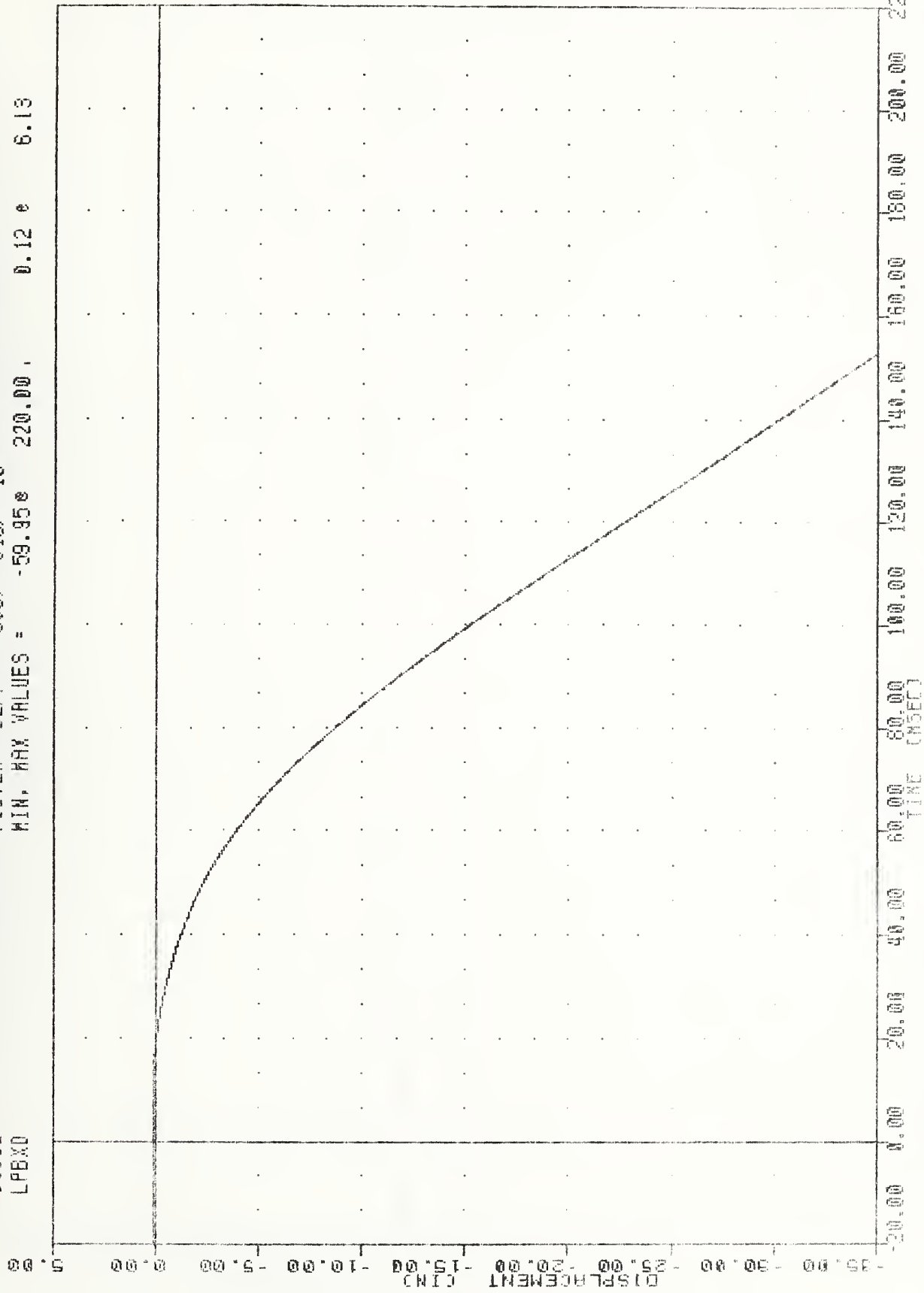
CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING LPBX6

VATIC , RD384-4-17
 BREED AIR666 SLED PROGRAM
 85112
 LPBXD

PLOT DATE 25-APR-85 14:14:31

FILTER = 6LPF 300/ 849/ -40

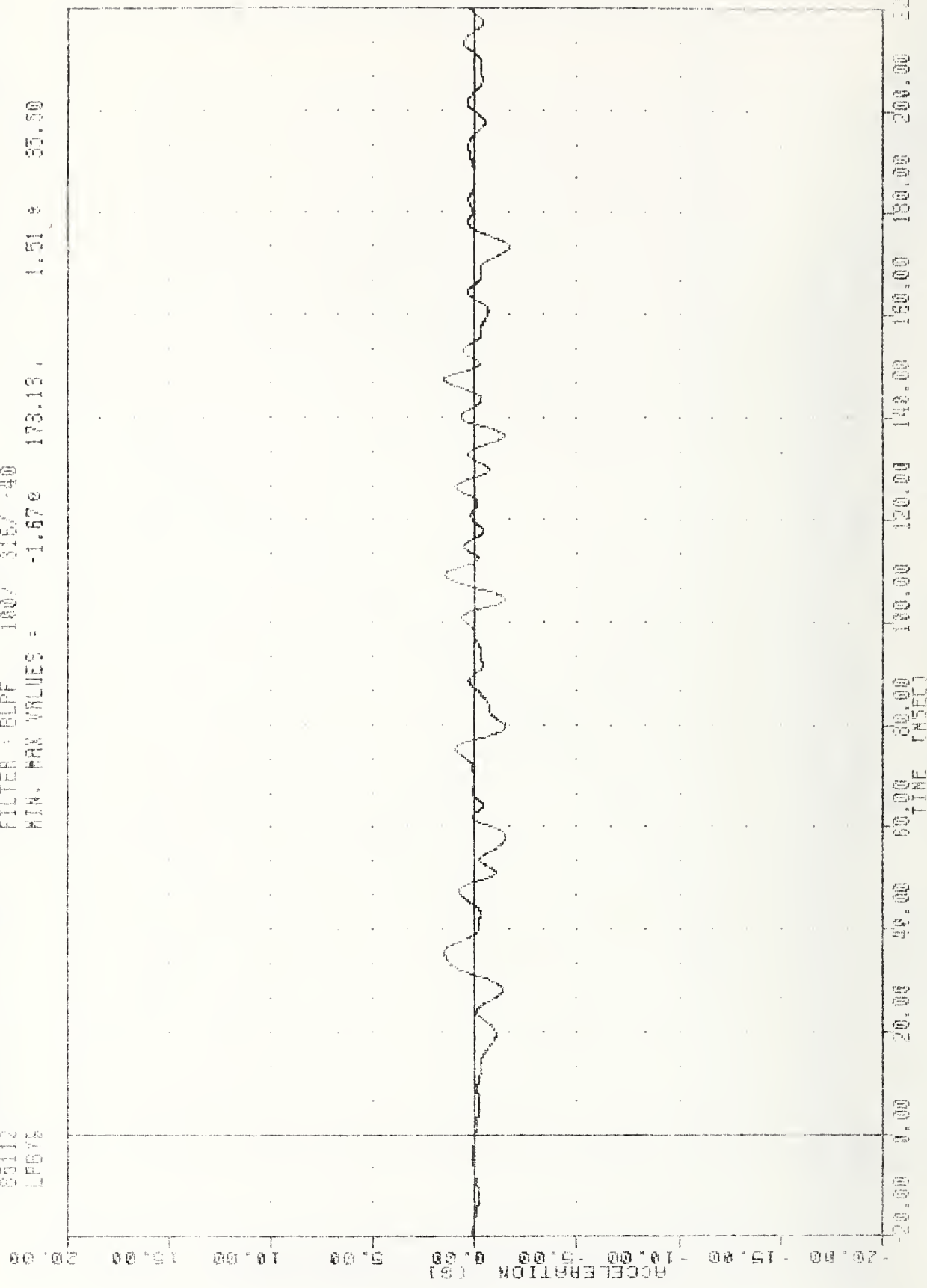
MIN. MAX VALUES = -59.95 220.00 0.12 6.13



CARTRIDGE INFLA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DELTA X USING LPBXV

93112
LPE578

WAVE NAME: 93-801-05 15:12:17
FILTER: BLPF 100/ 315/-40
MIN. MAX VALUES = -1.67e 173.13 1.51e 35.50

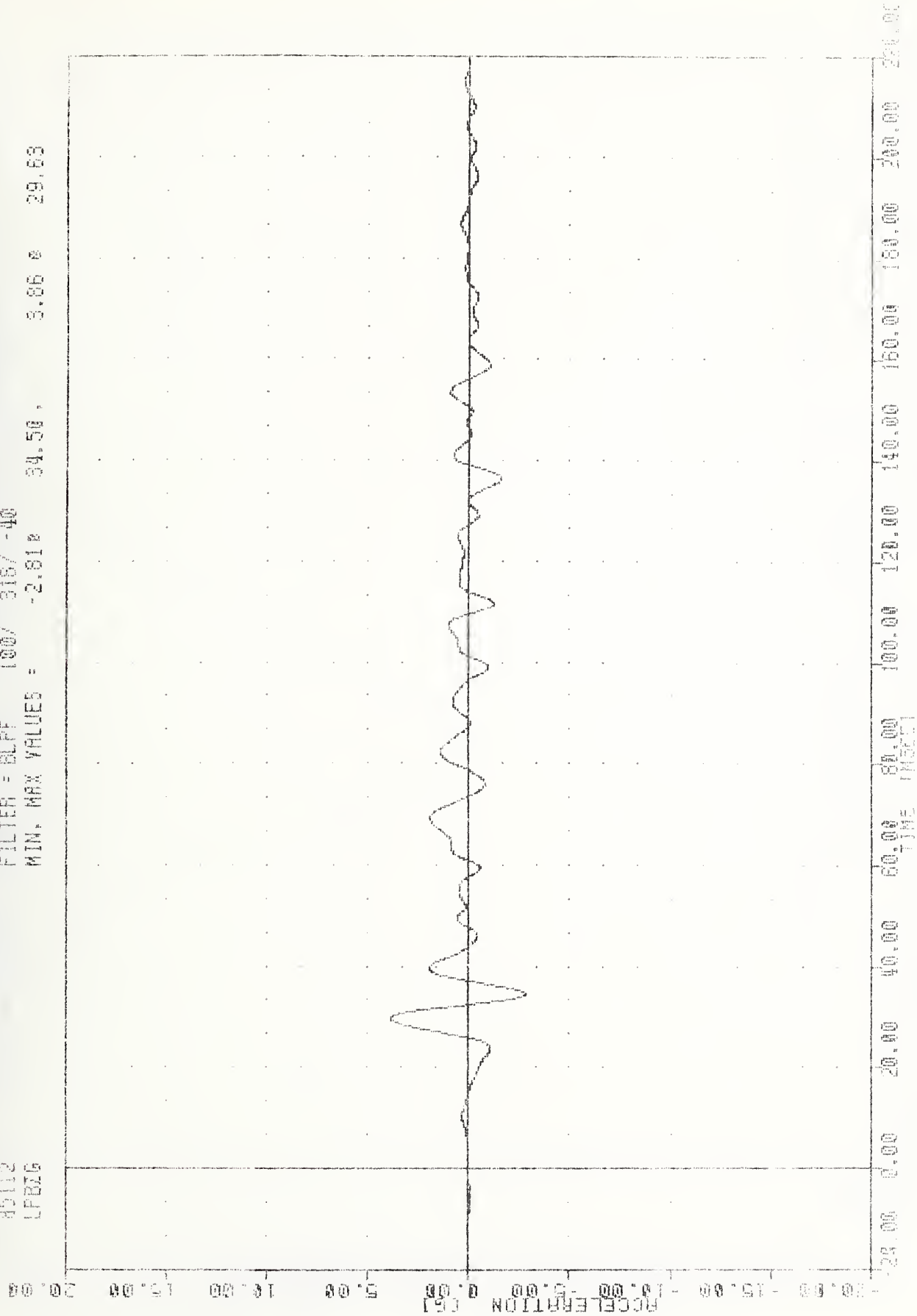


CHEVROLET IMPALA BLEED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
MOTOR VEHICLE AGENCY 8/7/78

V02
SPEED AIRRAG SLED PROGRAM
85112
LPBZG

TIME: 0017 06-APR-85 15:12:00

FILTER = BLFF 100/ 316/ -40
MIN. MAX VALUES = -2.810 34.50 3.86 29.63

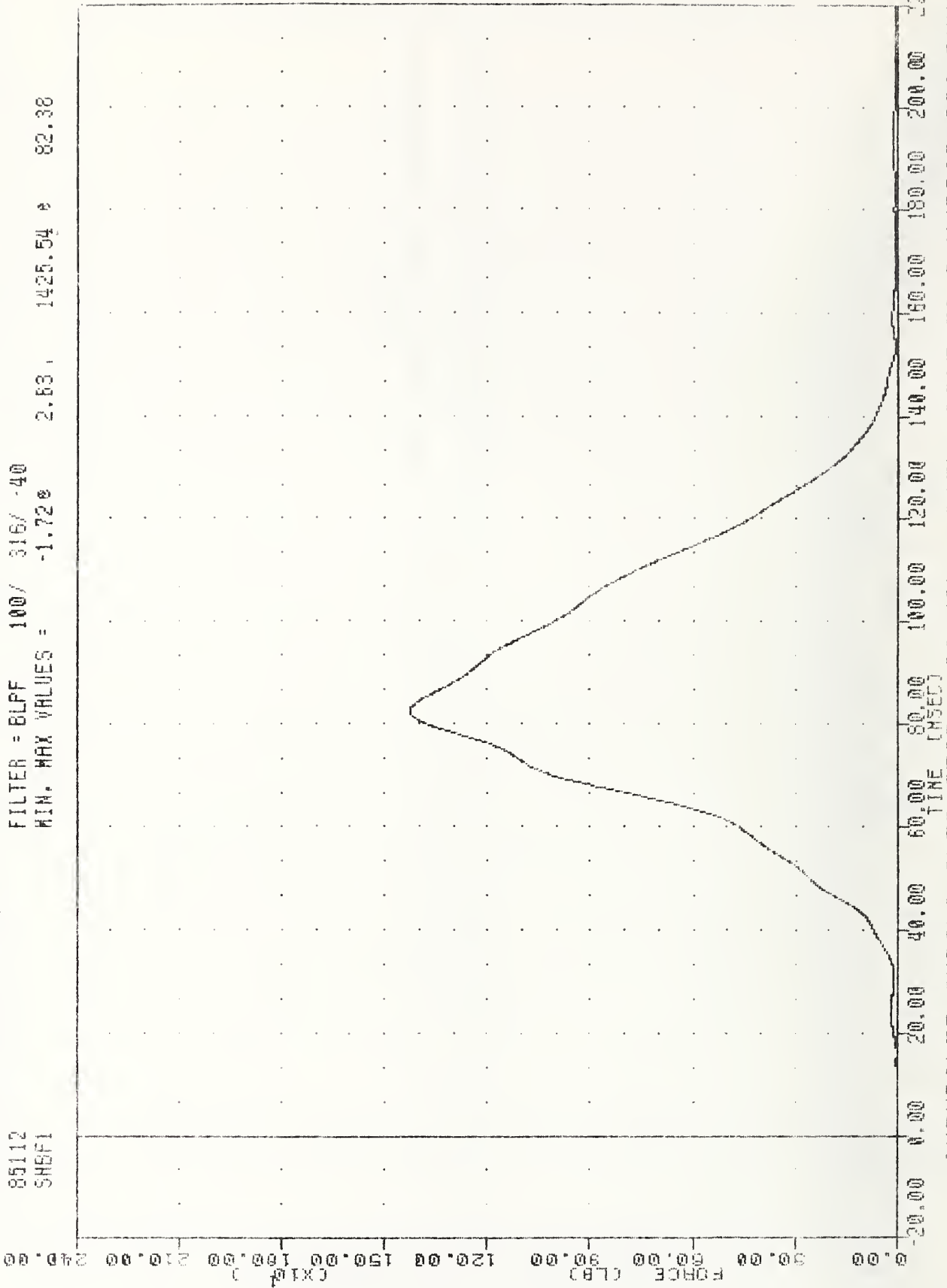


CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE HYBRID III DUMMY
MOTION TRACK & RECALCULATION DATA

VRTC . 50384-4-72
BRECO AIRBAG SLED PROGRAM
85112
SHEFI

PLOT DATE 29-APR-85 09:26:40

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -1.72e 2.83 1425.54 e 82.38

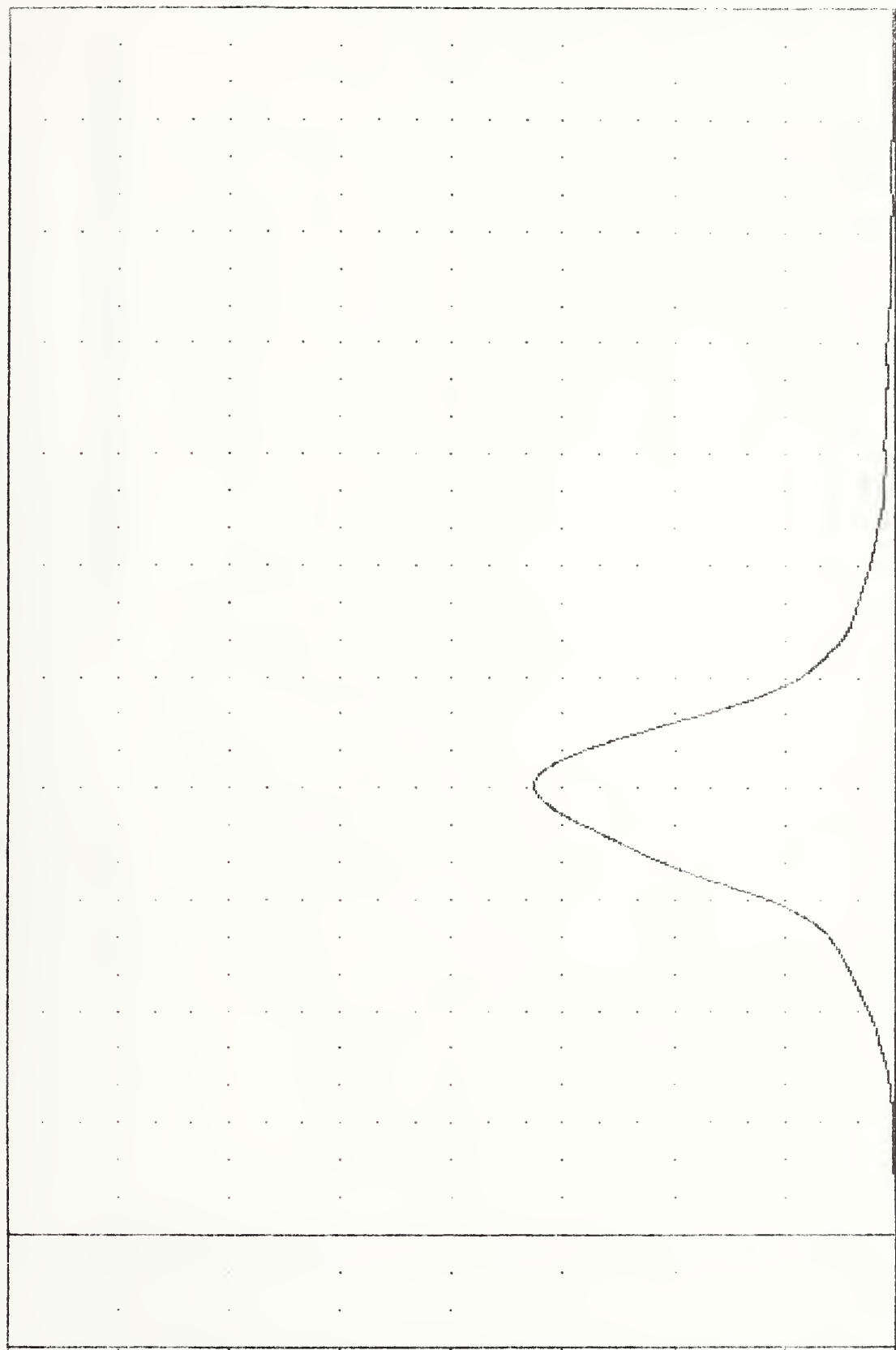


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER SHOULDER BELT FORCE LBS

VRTC , 80384-4-17
 BREED AIRBAG SLED PROGRAM
 25112
 LBOF1

PLOT DATE 29-APR-85 09:28:40
 FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = 3.13, 978.28 * 80.50

FORCE (LB) (X10³)
 0.00 30.00 60.00 90.00 120.00 150.00 180.00 210.00 240.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER LAP BELT FORCE LB5

10184-417

ARMED AIRBORNE SLED PROGRAM

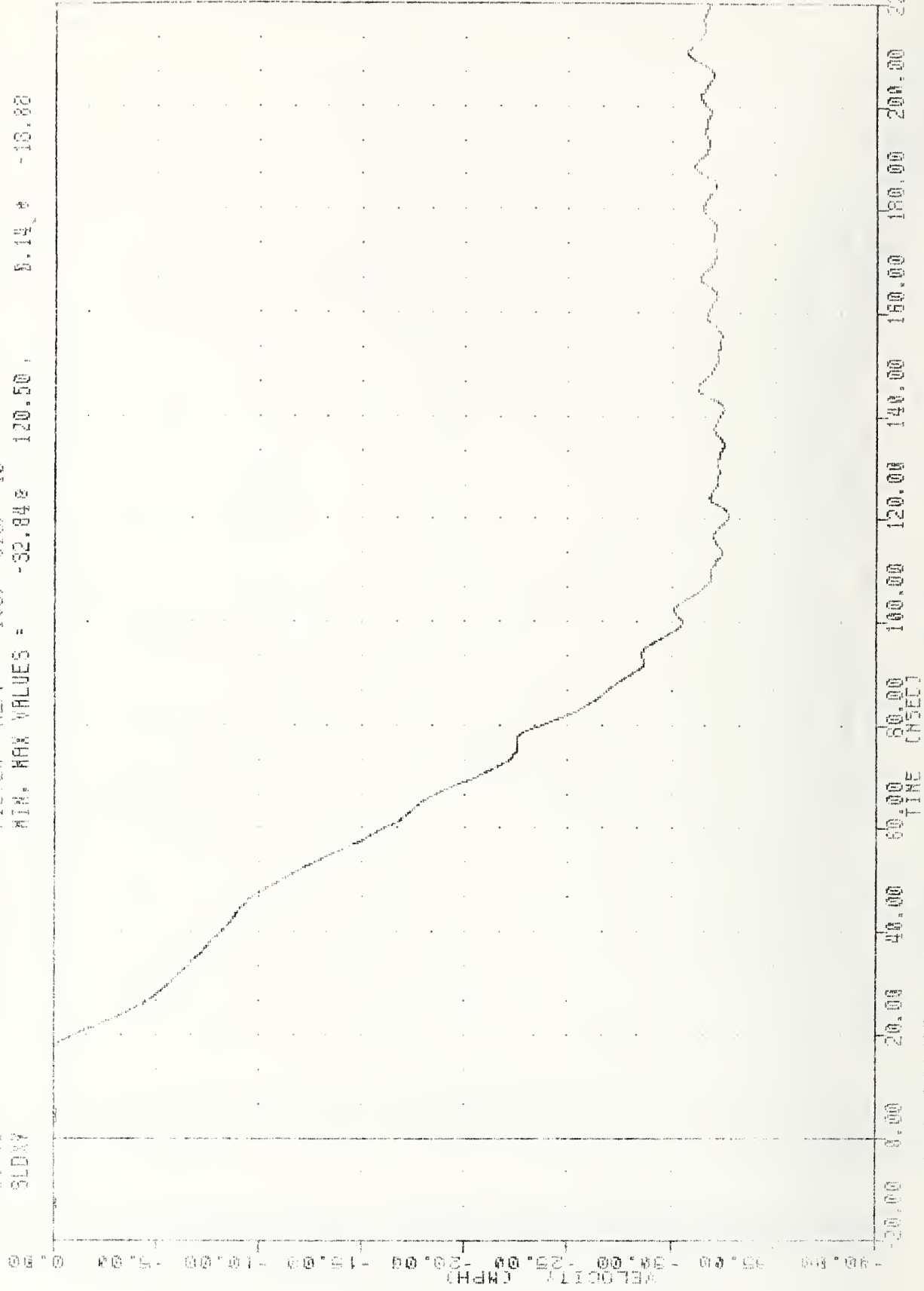
83112

BLDXY

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -32.84 120.50

8.14 * -18.88



90.00
 85.00
 80.00
 75.00
 70.00
 65.00
 60.00
 55.00
 50.00
 45.00
 40.00
 35.00
 30.00
 25.00
 20.00
 15.00
 10.00
 5.00
 0.00
 -5.00
 -10.00
 -15.00
 -20.00
 -25.00
 -30.00
 -35.00
 -40.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

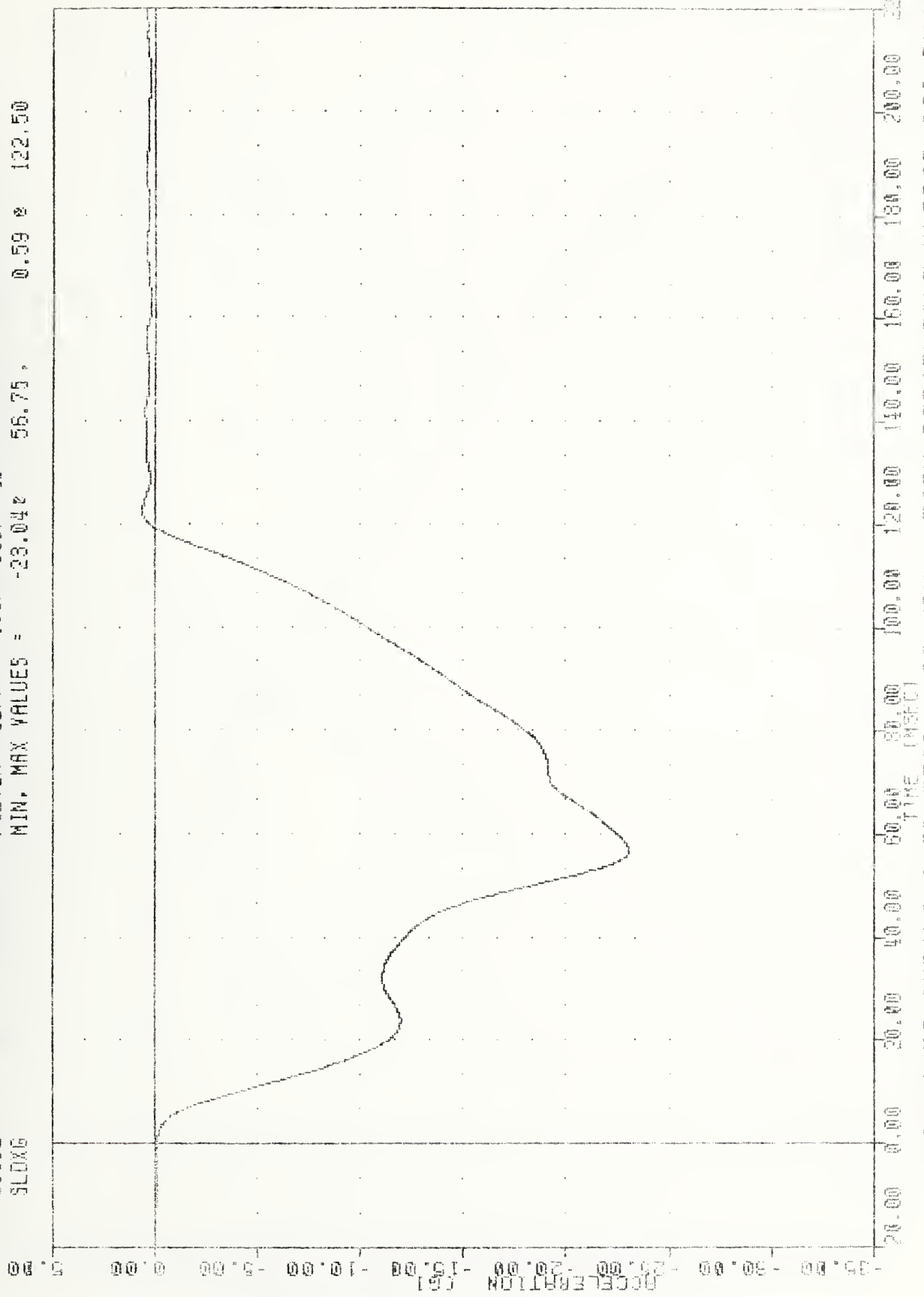
VELOCITY (MPH)
 TIME (MSEC)

IMPAIRED SLED TEST - 90 MPH - 50TH PERCENTILE HYBRID III DUMM
 SLED VELOCITY (CHRYSLER)

VMC
 BREED HYBRID SLED PROGRAM
 05112
 SLOXG

PLOT DATE 1-MAY-85 12:27:45

FILTER = SLPF 100/ 316/ -40
 MIN. MAX VALUES = -23.04z 56.75z 0.59z 122.50

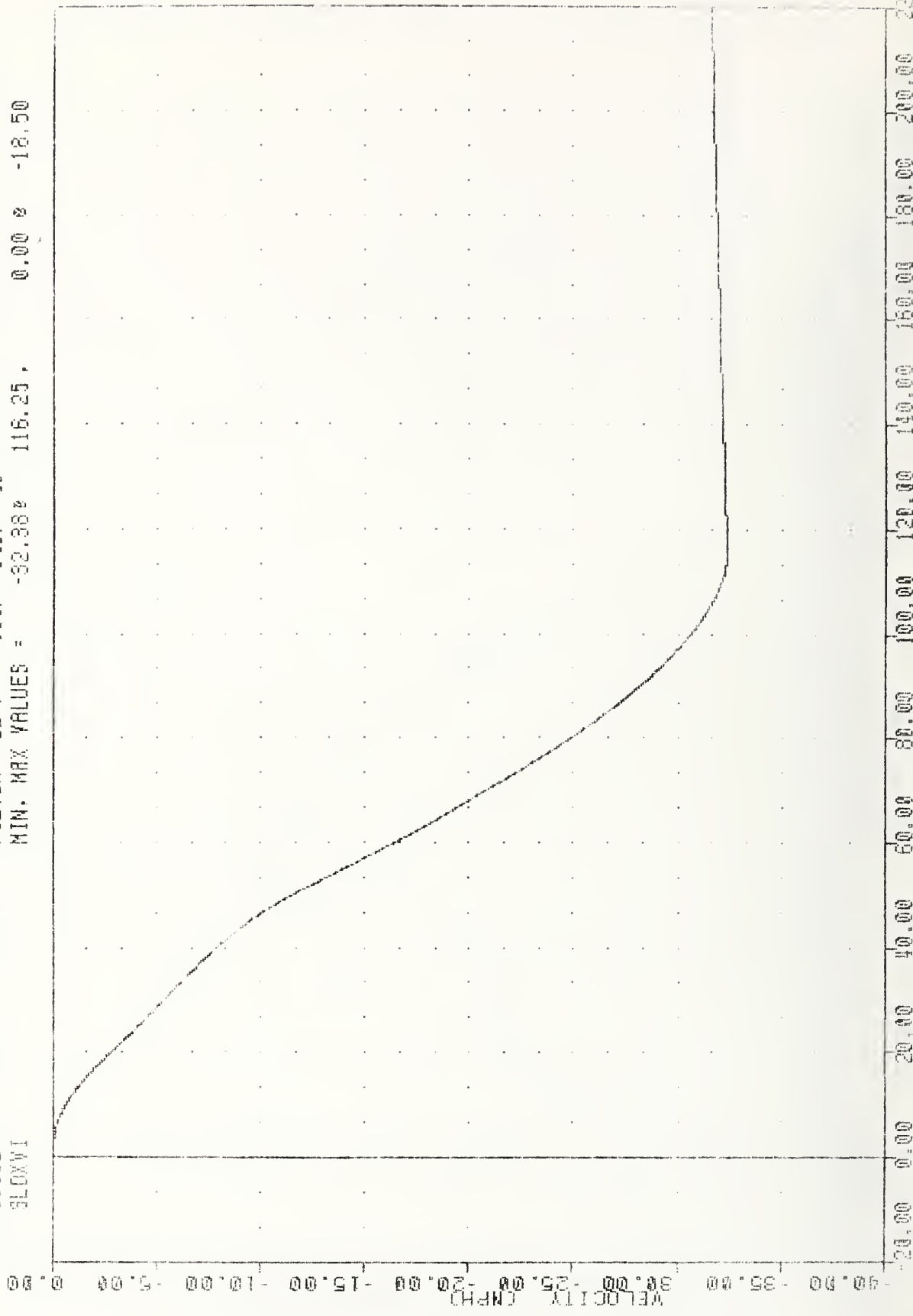


48 MPH TEST - 50TH PERCENTILE HYBRID III DUMM
 SLED ACCELERATION

VELOCITY
BRASS 4-17
SPEED AIRERS SLED PROGRAM
95112
SLOXVI

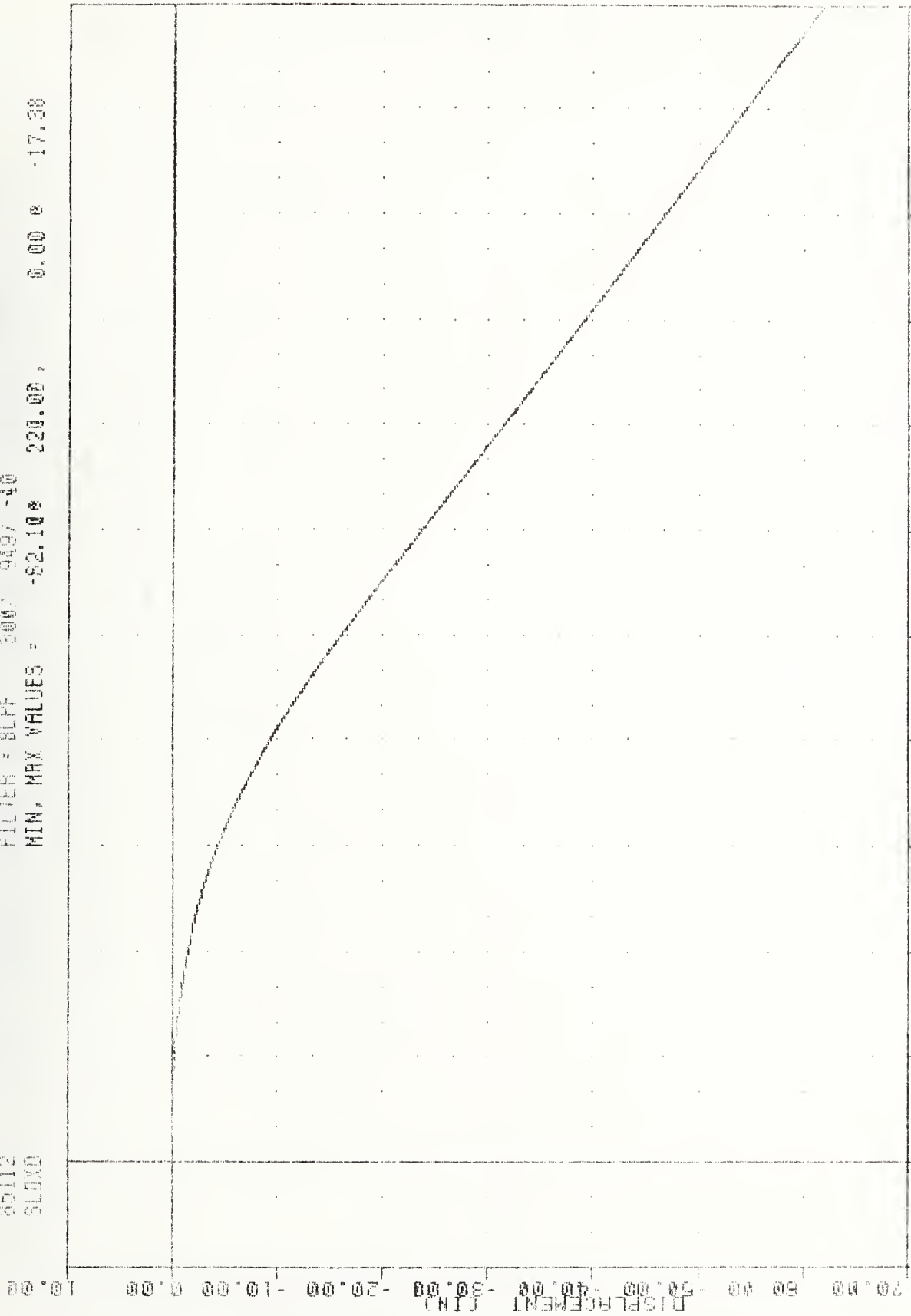
PLAT DATE 1-MAY-85 12:28:01

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -32.38 116.25 0.00 0 -12.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED VELOCITY TIME GRAPH

VRLC , 2006-4-17 PLOT DATE 1-MAY-86 12:26:41
 SLED AIRBAG SLED PROGRAM
 00112 FILTER = BLPF 50W/ 949/ -40
 SLOXD MIN, MAX VALUES = -82.108 220.00 , 0.00 * -17.98



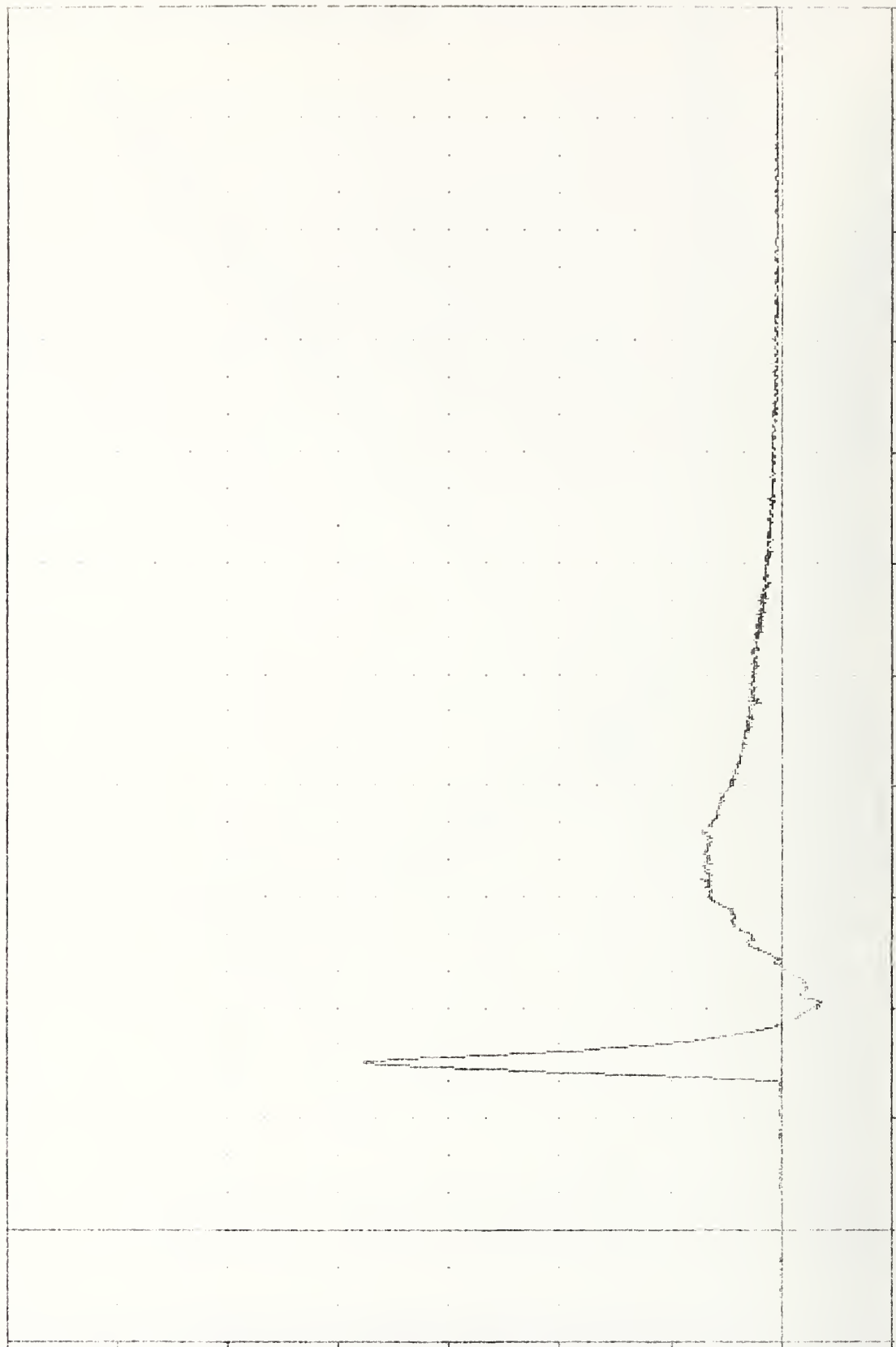
CHEVROLET 1989 SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 2006-4-17

05112
05112
PBTP

TEST DATE 26 APR 86 16:12:17

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -3.65e 40.88 . 57.63 e 30.13

PRESSURE (PSIG)



TIME (MSEC)

240.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 150.00 180.00 200.00 220.00

50TH PERCENTILE HYBRID III DUMM
STRONG PRESURE

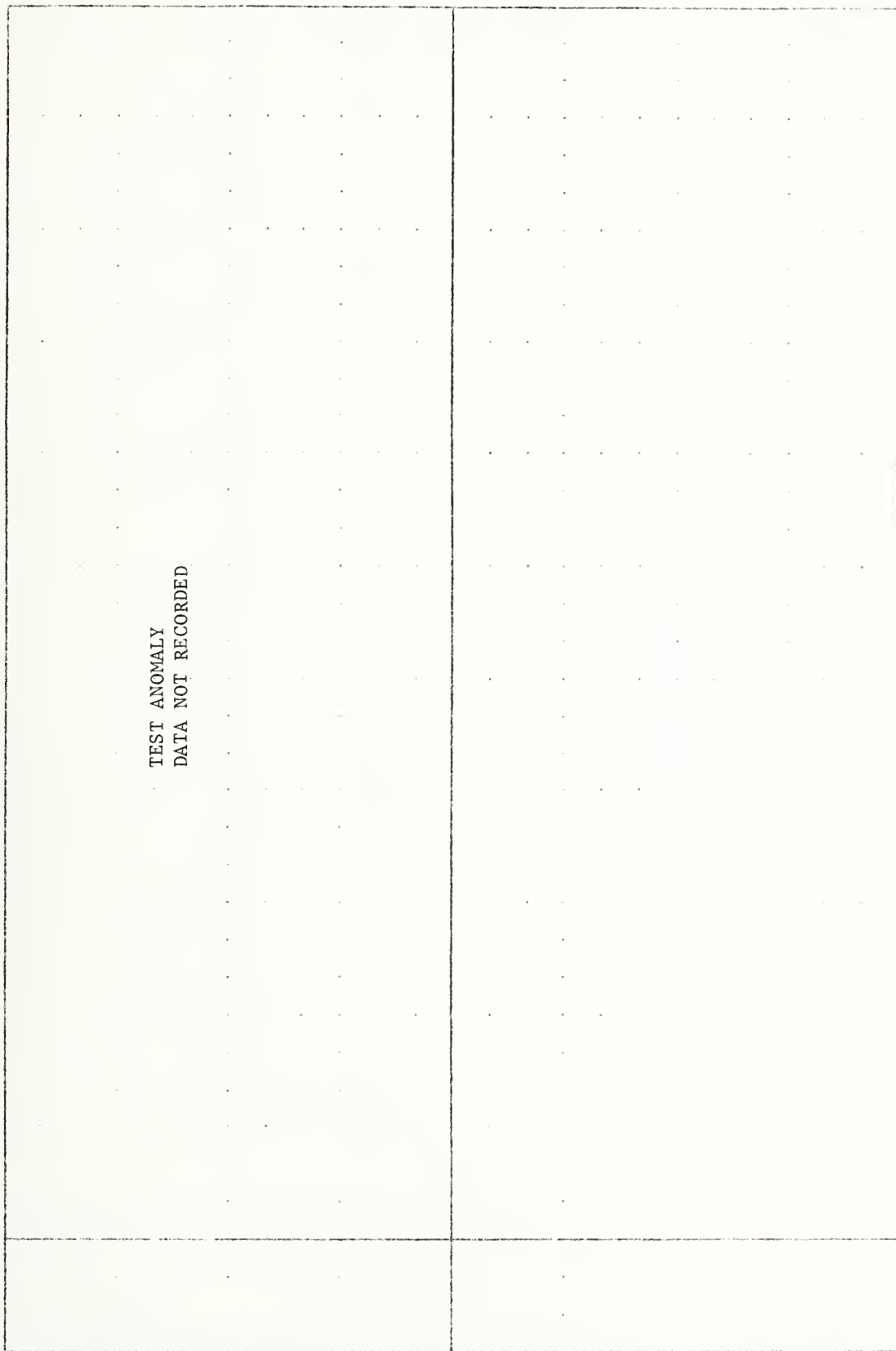
Y8110 , 60504-1-17
99550 AIRBAG SLEW PROGRAM
05112
ACT1

TEST DATE 26-APR-85 15:12:17

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.00 7.50 , 0.00 19.50

VOLTAGE (VOLTS) 4.00 3.00 2.00 1.00 0.00 -1.00 -2.00 -3.00 -4.00



20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

HYBRID III DUMMY

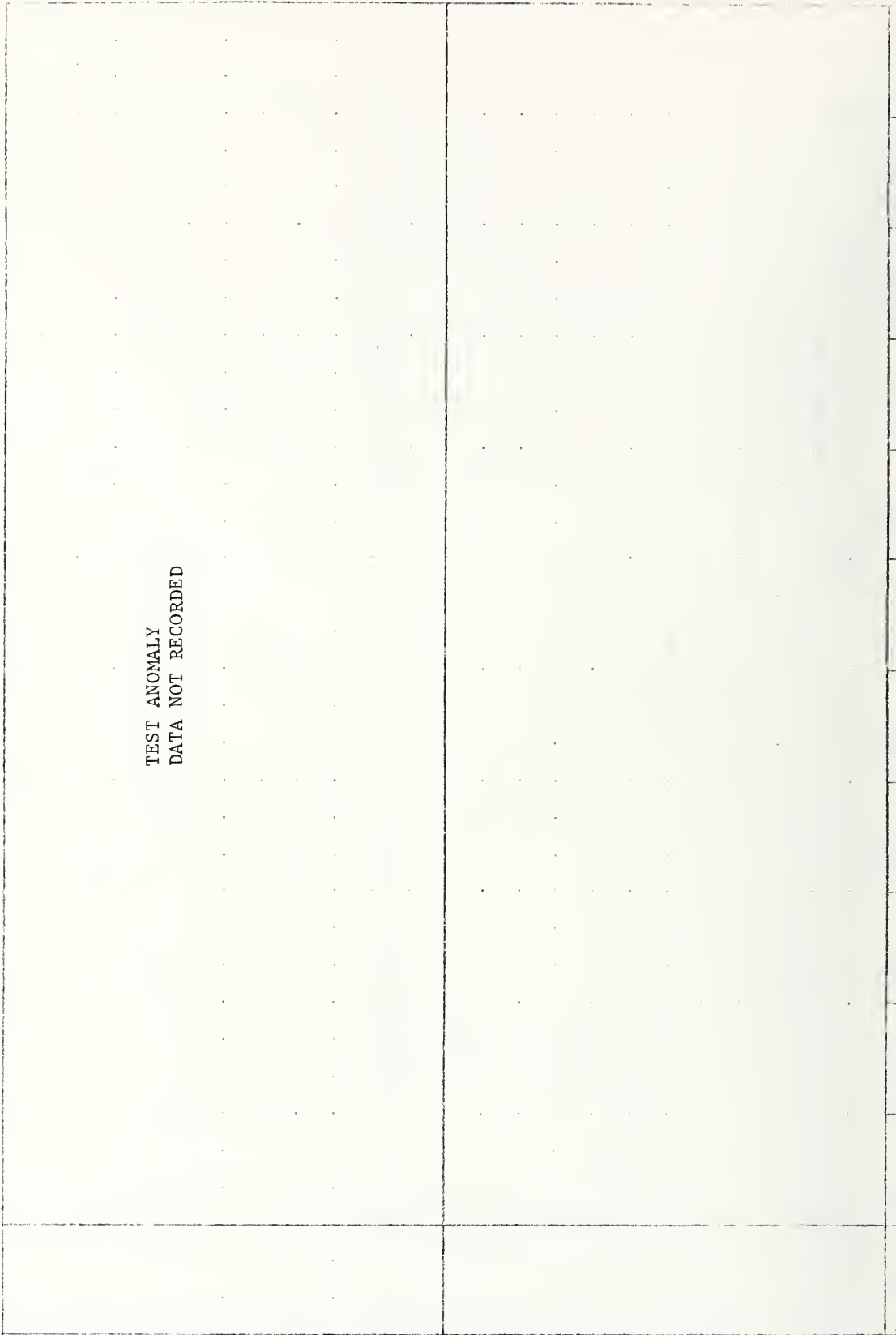
08112
 08112
 08112
 08112

FILTER : ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = 0.000 0.13, 0.00.e -20.00

06-25-65

15:13.17

VOLTAGE (VOLTS) 4.00 3.00 2.00 1.00 0.00 -1.00 -2.00 -3.00 -4.00

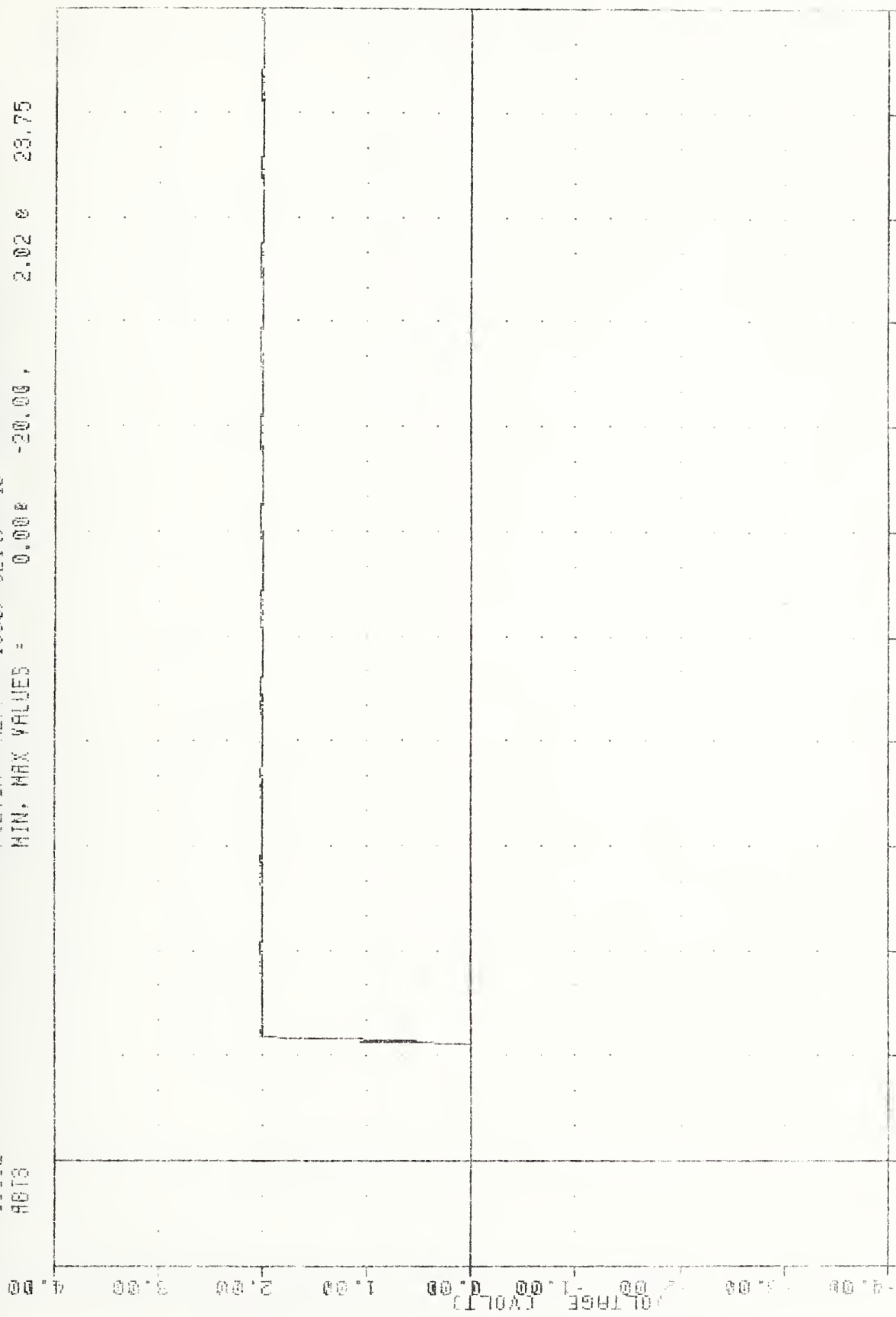


20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (SECS)

08112 INTRA ALED TEST - 30 MPH - 50TH PERCENTILE HYDRO ILL D.M.M.

V81C
 BRSED HIF20% BLEED PROGRAM
 85112
 8073

FLUT DATE 26-APR-85 15:12:17
 FILTER = ALFF 1650V 5214V -40
 MIN. MAX VALUES = 0.00E -20.00, 2.02 E 23.75



85112 100-100 BLEED TEST - 20 MPH - 50TH PERCENTILE HYBRID III DUMMY
 2000 2000 2000

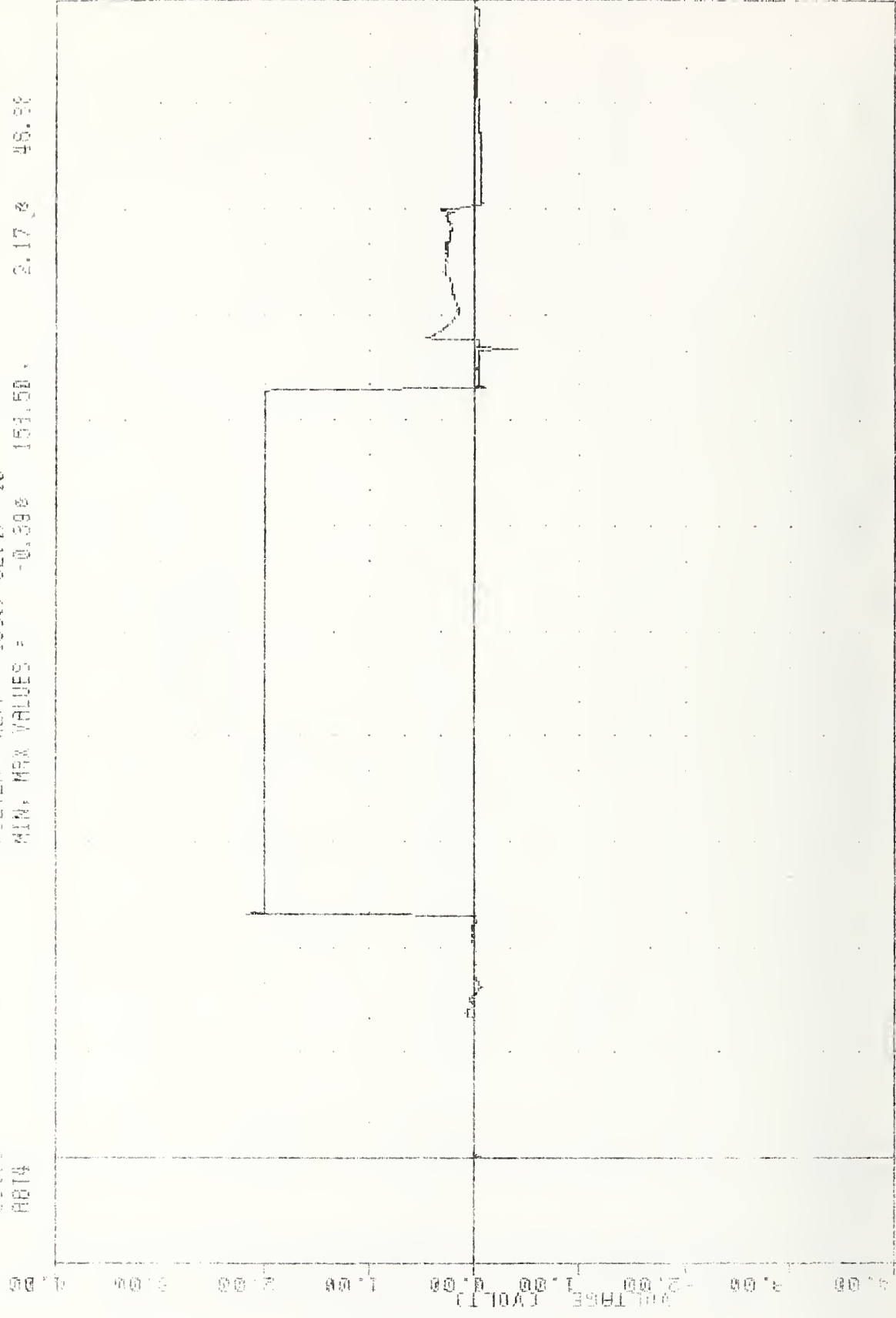
00000000 00000000 20-APR-85 15:12:17

SPEED AIRBRAKE SLEED PROGRAM

FILTER - ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.39% 151.50, 2.17% 46.38

05113
RBT4



0.00 1.00 2.00 3.00 4.00
20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
LINE INSECT

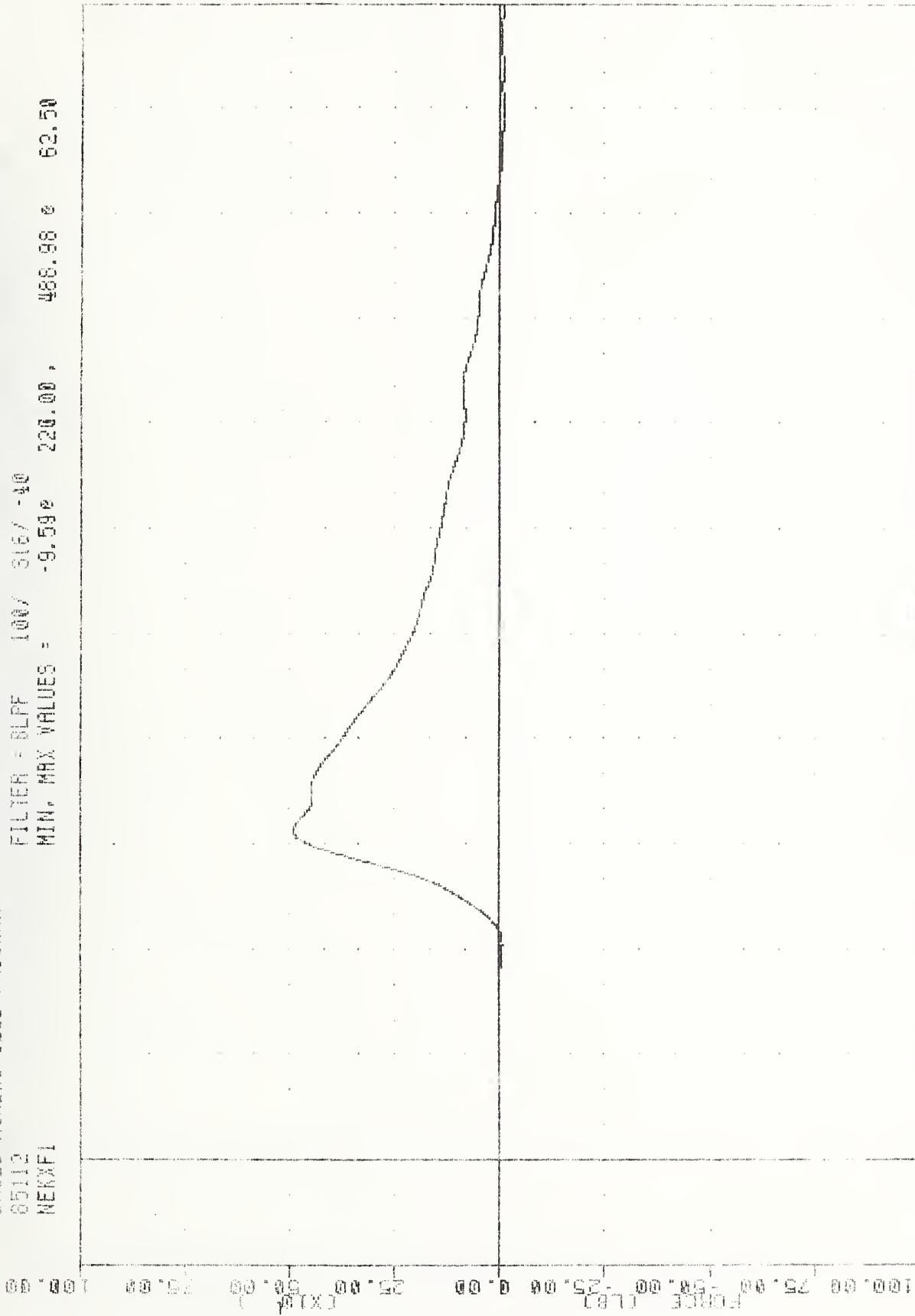
00000000 00000000 20-APR-85 15:12:17
SPEED AIRBRAKE SLEED PROGRAM
FILTER - ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -0.39% 151.50, 2.17% 46.38
05113
RBT4
00000000 00000000 20-APR-85 15:12:17

0110 / 2024-8-17
BASED AIRBORNE SLED PROGRAM
05112
NEXAFI

PLOT DATE 26-APR-86 14:49:40

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -9.59E 220.00, 488.98 E 62.50



REVISION 07 IMPACT SLED TEST 100 MPH - 50TH PERCENTILE HYBRID III DUMMY
FORCES AND MOMENTS

PRINT DATE 26-SEP-85 14:49:40

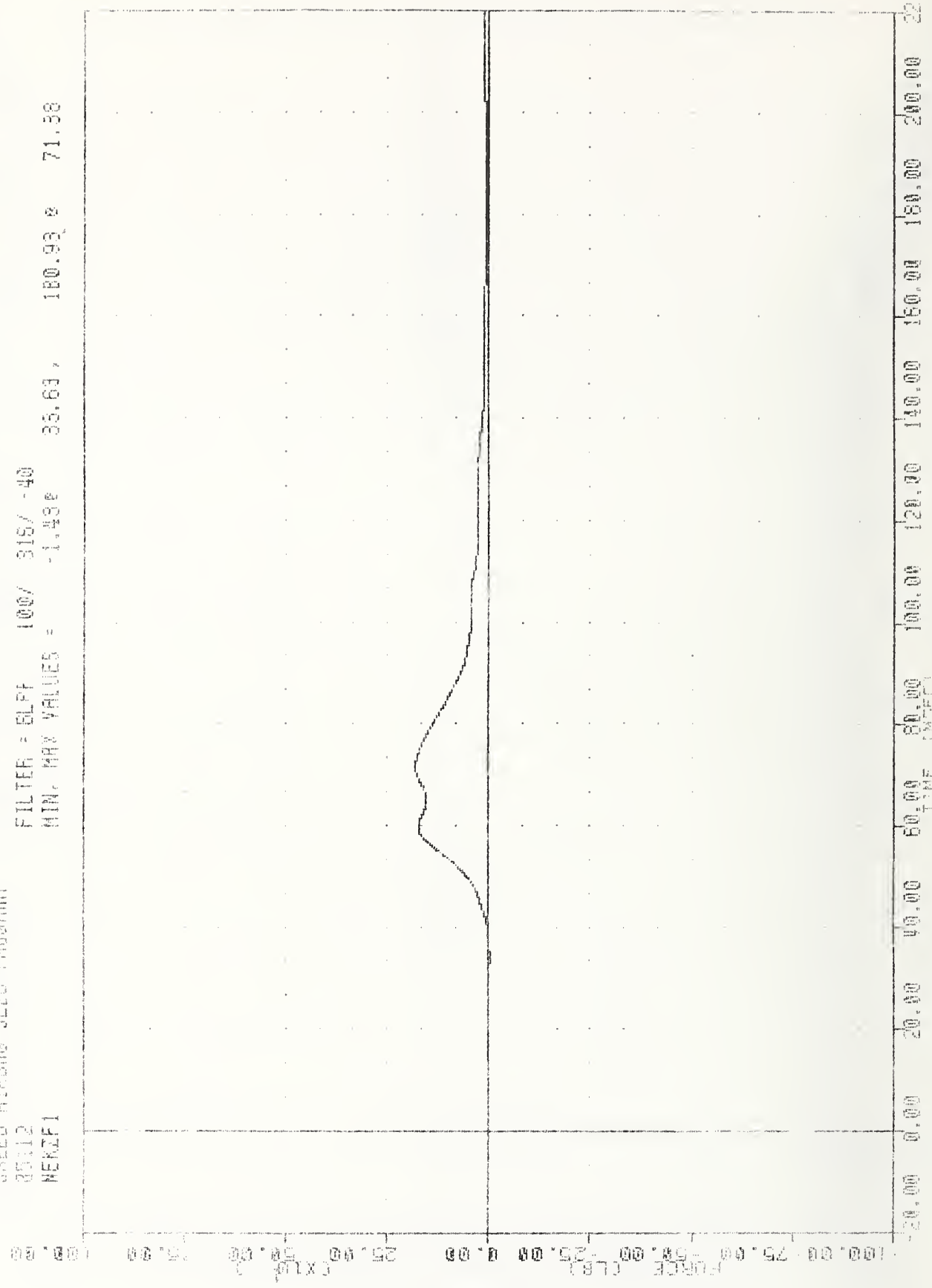
SPEED AIRBORNE GLED PROGRAM

35112

FILTER = 6LFF 100/ 315/ -40

NEKZFI

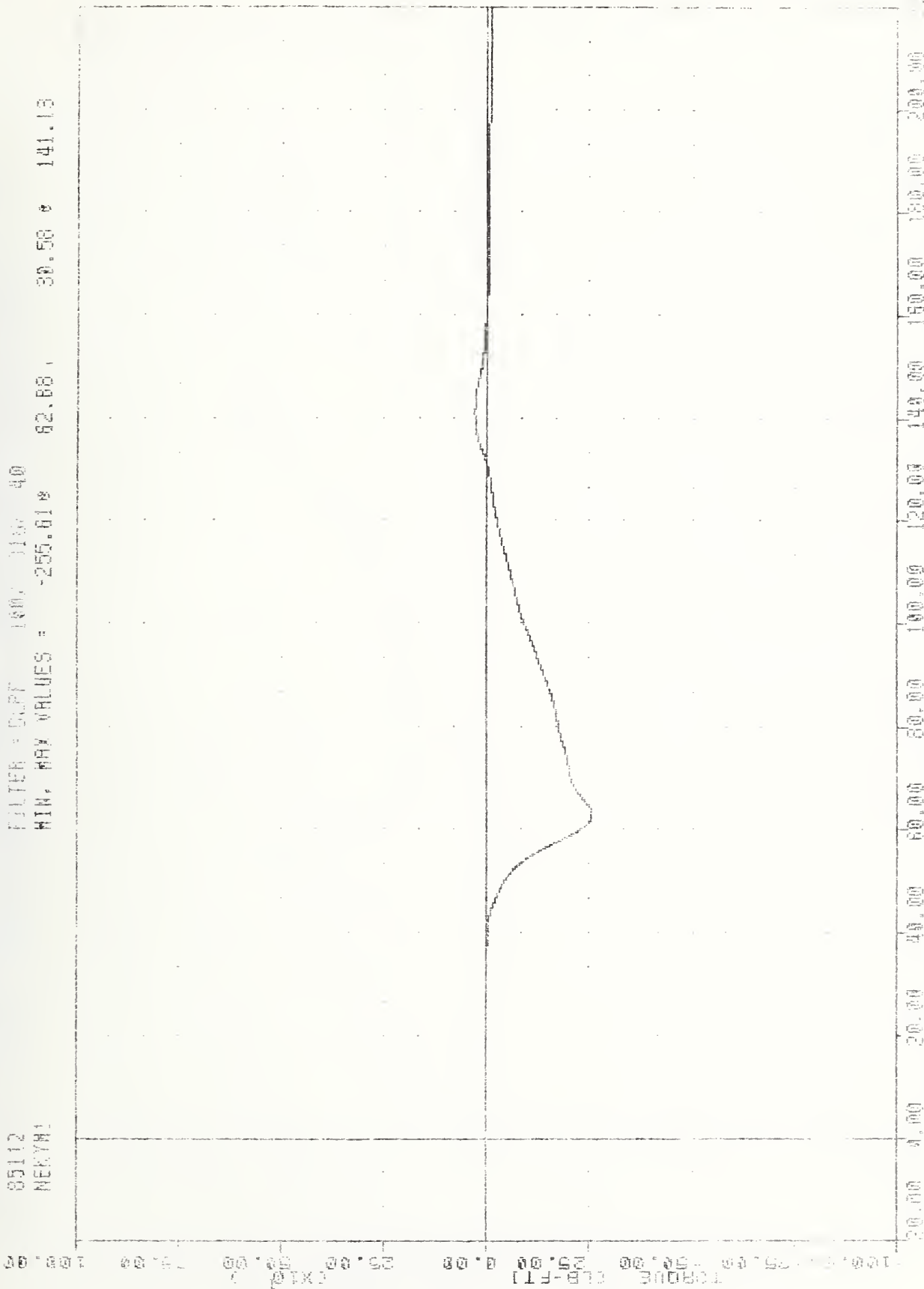
MIN. MAX VALUES = -1.43e 35.63, 180.93 e 71.58



PERCENTILE HYBRID III DUMM
50 MPH 50TH PERCENTILE HYBRID III DUMM
FORCE 2 AXIS

WPT - RICHMOND, VA
 BREED ALHAMBRA SLED PROGRAM
 05112
 NEXUS1

FILTER = DUFF 100, 110, 40
 MIN, MAX VALUES = -255.61* 62.68, 30.50 * 141.13

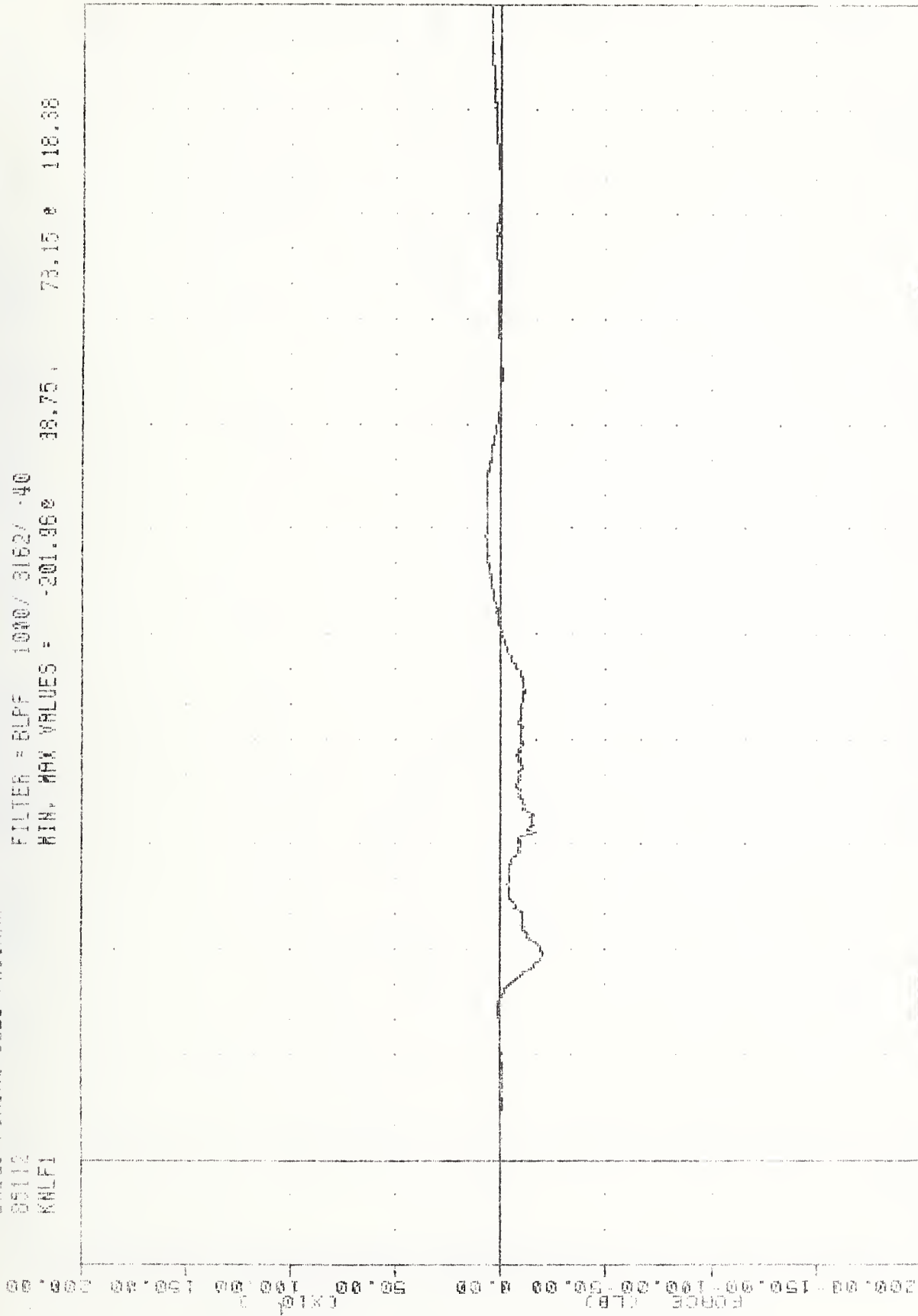


05112 RICHMOND, VA
 BREED ALHAMBRA SLED PROGRAM
 NEXUS1

0817 10007-9-17
 BRECO AIRCRG SLED PROGRAM
 05112
 KHLFI

RUN DATE 26 APR 95 14:43:48

FILTER = BLPF 1000/ 3162/ -40
 MIN. MAX VALUES = -201.962 38.75 73.15 * 118.38



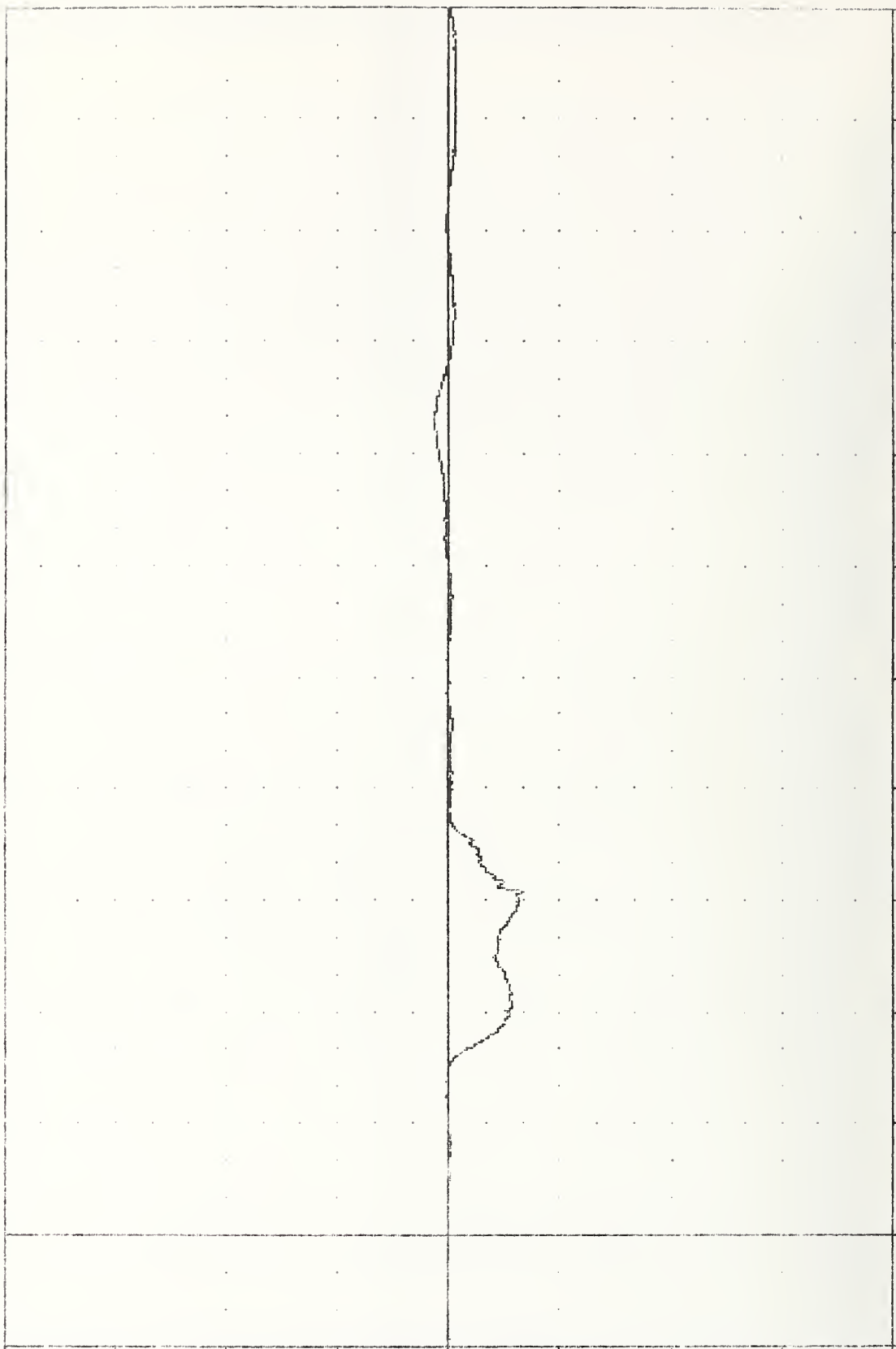
30 MPH - 50TH PERCENTILE HYBRID III DUMMIE
 30 MPH - 50TH PERCENTILE HYBRID III DUMMIE

DATE : 800804-4-17
BREED AIRBAG SLED PROGRAM
35112
KMLFA

PLT DATE : 28 APR 85 14:49:40
FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -332.56 61.38

55.77 144.88

FORCE (LB) (X10³)



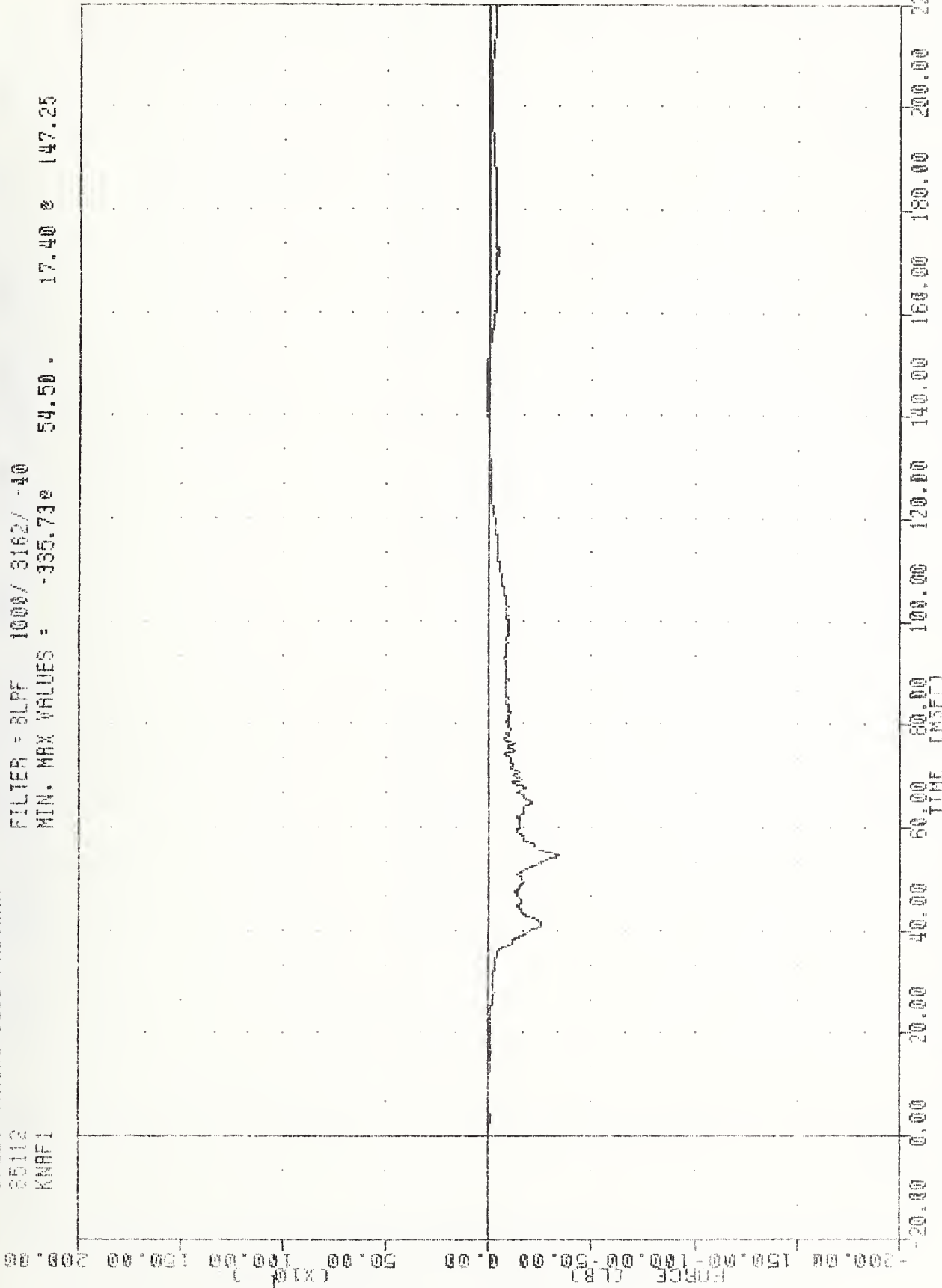
200.00 180.00 160.00 140.00 120.00 100.00 80.00 60.00 40.00 20.00 0.00
-20.00 -40.00 -60.00 -80.00 -100.00 -120.00 -140.00 -160.00 -180.00 -200.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMIE
KMLFA 1987 V6 1.8 TIGHT SENSOR LPS

VERC / R0214-4-17
BASED RINGRO SLED PROGRAM
25112
KNRF1

PLOT DATE 26-APR-85 14:49:10

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -335.73e 54.50. 17.40 e 147.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID IIT DUMMY
DRIVER RIGHT KNEE / LEFT SENSOR LBS

FILE DATE 02 APR 85 1449140

TEST PROGRAM
SLED PROGRAM

FILTER = BLFF 1000/31627-40

MIN. MAX VALUES = -165.930 54.50 49.19 126.88

200.00

150.00

100.00

50.00

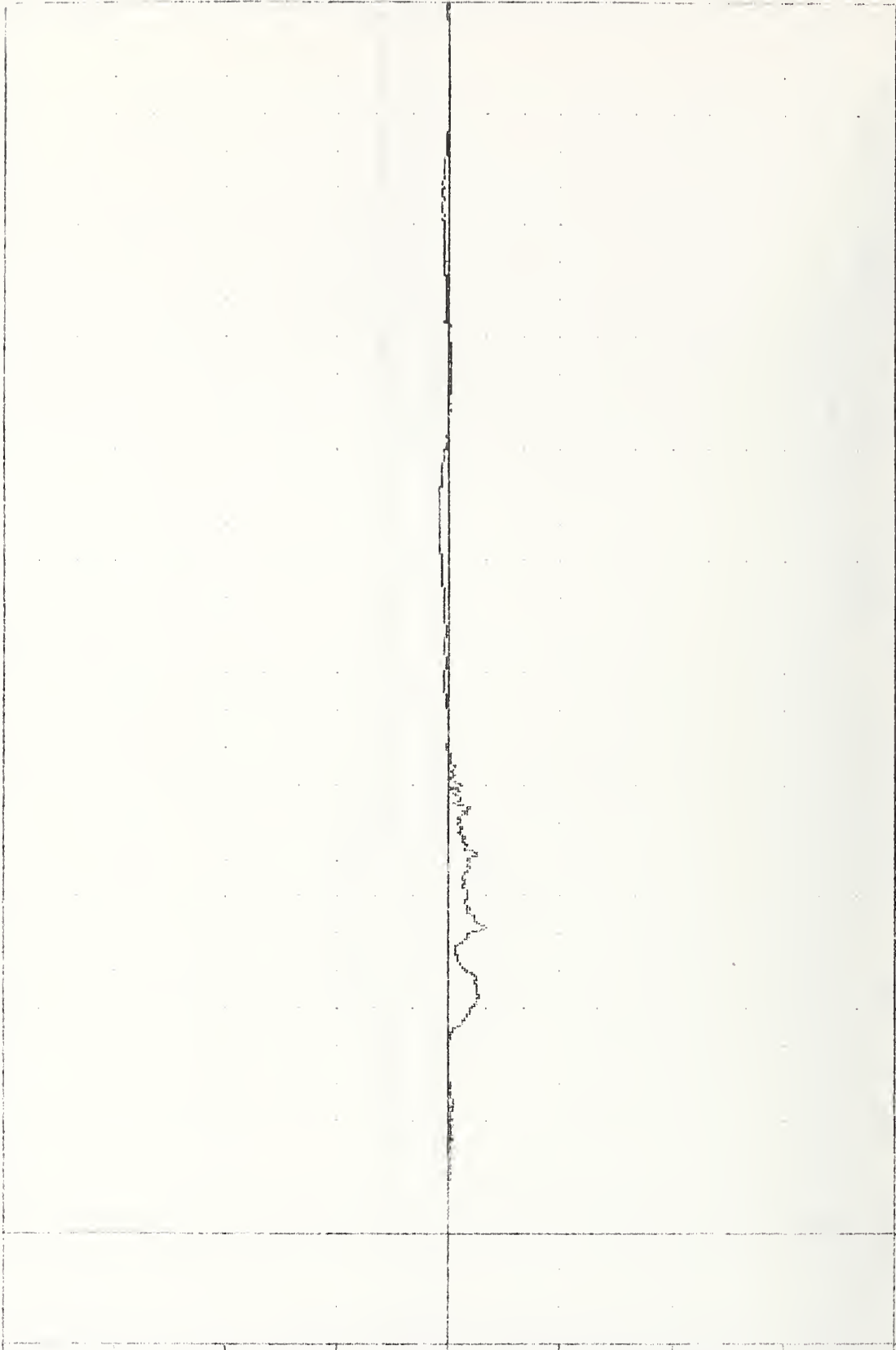
0.00

-50.00

-100.00

-150.00

-200.00



20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00

TIME (MIN)

COMBUSTION IMPULS SLED TEST 90 MPH 50TH PERCENTILE HYBRID III DUM

TEST POINT NUMBER 49140

PLT DATE 26-APR-65 14:19:40

BREED AIRBRG SLED PROGRAM

45112

TELXMI

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -13.30% 26.25 % 61.00

190.00 180.00 170.00 160.00 150.00 140.00 130.00 120.00 110.00 100.00 90.00 80.00 70.00 60.00 50.00 40.00 30.00 20.00 0.00 -20.00

TORQUE (LB-FT)

151

TIME (SECS) 20.00 40.00 60.00 80.00 100.00 120.00 140.00 150.00 160.00 180.00 200.00 220.00
TEST SPEED 30 MPH 50% PERCENTAGE HYBRID III DUMM
TEST SPEED 30 MPH 50% PERCENTAGE HYBRID III DUMM

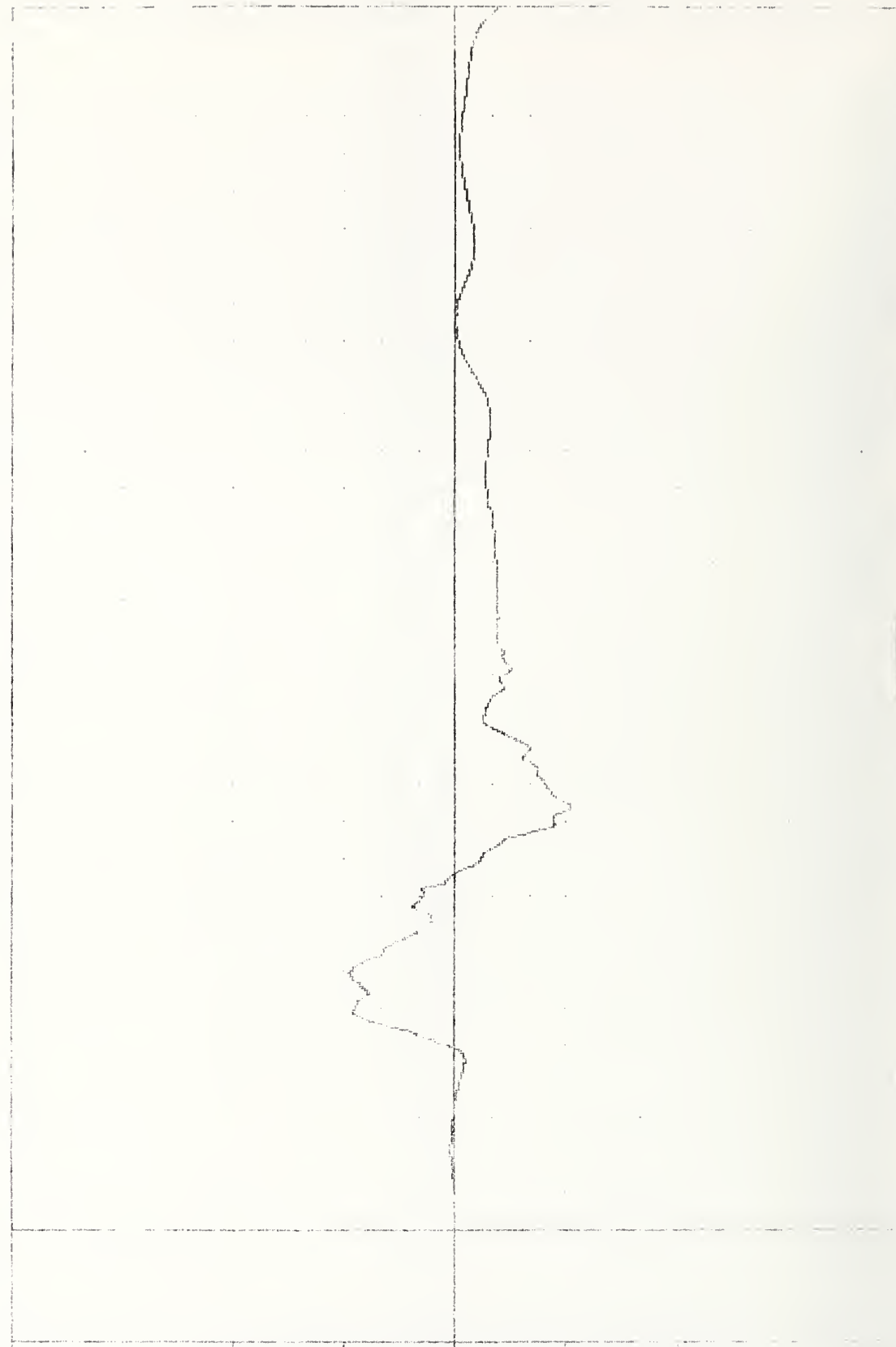
007 0670 3-11-65 1414710

FILTER = 9LFF 1000/ 3162/ -10
MIN. MAX VALUES = -62.54e 76.00 .

45.13

TELETYPE

250.00 200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00 -250.00



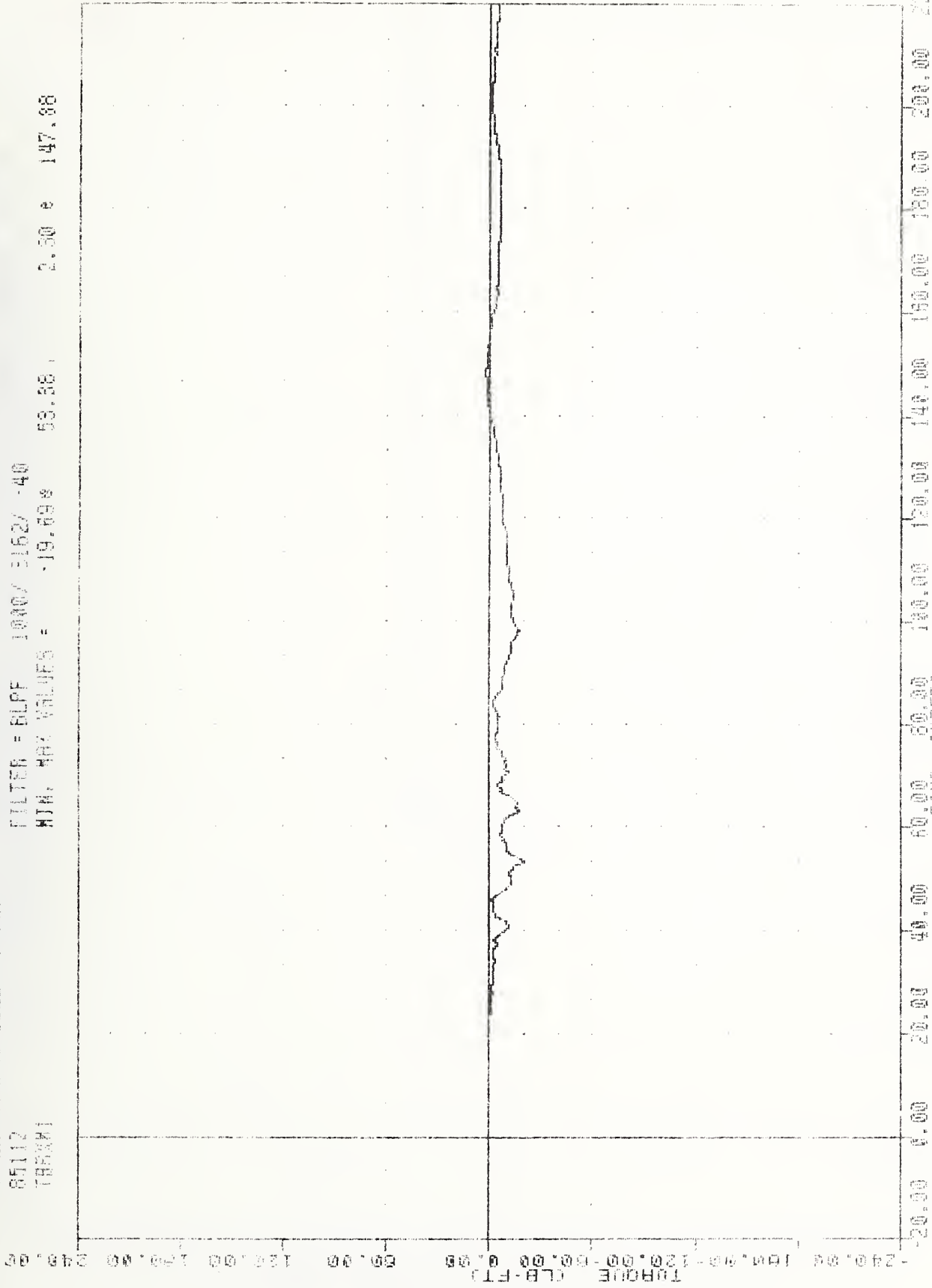
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TELETYPE UNIT HYBRID III 01100

Y8112
36200 AIRFLO SLED PACKAGE
TRUCK

DATE 20-SEP-88 14:43:40

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -19.69% 59.58% 2.50 e 147.98



CHEVROLET IMPALA SLED PACKAGE
20 MPH - 50% AIR FLOW
HYBRID III DUMP

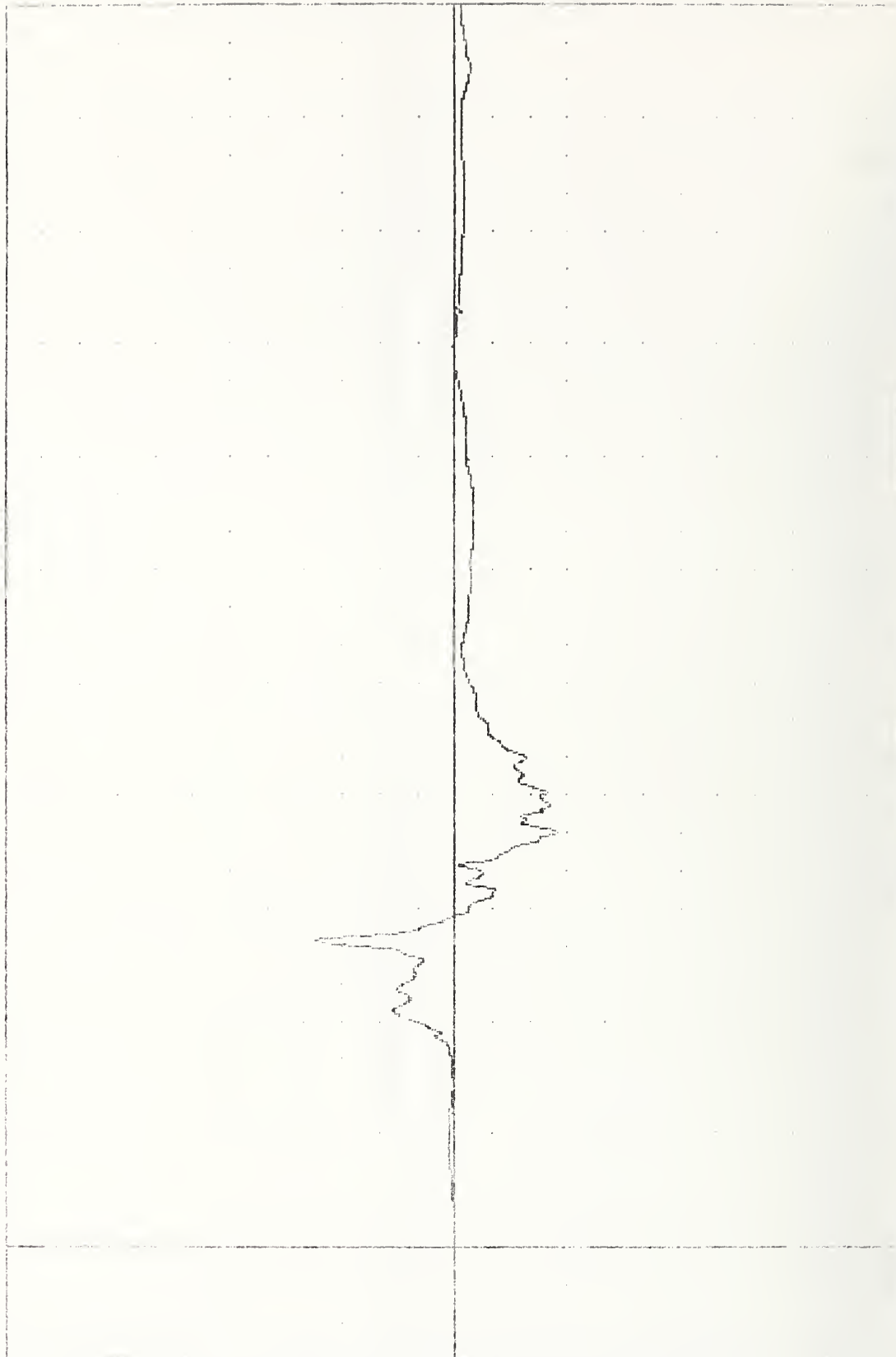
11-2-74

53551 - 10.586 5.60 PM (5.74)

FILTER : SLPF 10007 31627 40
MIN. MAX VALUES : -54.44 74.47 0 54 13

TRMM1

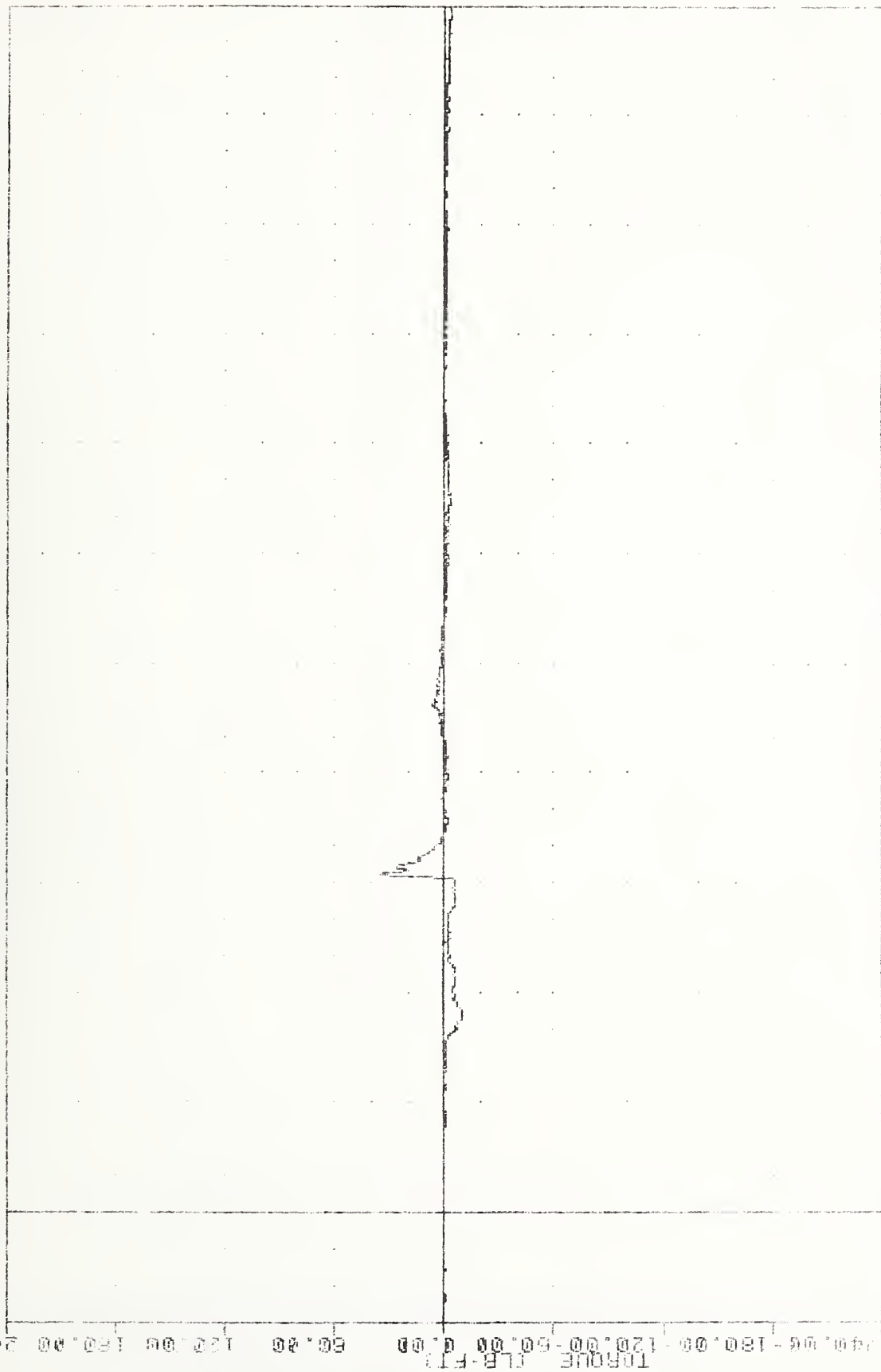
250.00 180.00 120.00 60.00 0.00 -60.00 -120.00 -180.00 -240.00
TORQUE (LB-FT)



220.00 180.00 160.00 140.00 120.00 100.00 80.00 60.00 40.00 20.00 0.00 -20.00 -40.00 -60.00 -80.00 -100.00 -120.00 -140.00 -160.00 -180.00 -200.00 -220.00
TIME (MSEC)

HYBRID TEST 100 MPH - 50TH PERCENTILE HYBRID III DUMMY
UPPER TIRTHA MOMENT : 100 LB-FT

DATE: 2009-11-17
 TIME: 14:09:40
 PLOT DATE: 2009-05-14
 PLOT TIME: 14:09:40
 DRIVEN: AV-996 SLED PROGRAM
 FILTER: 5LPT 1000/31627-40
 MIN. MAX VALUES = -10.992 36.001 34.95 % 61.50



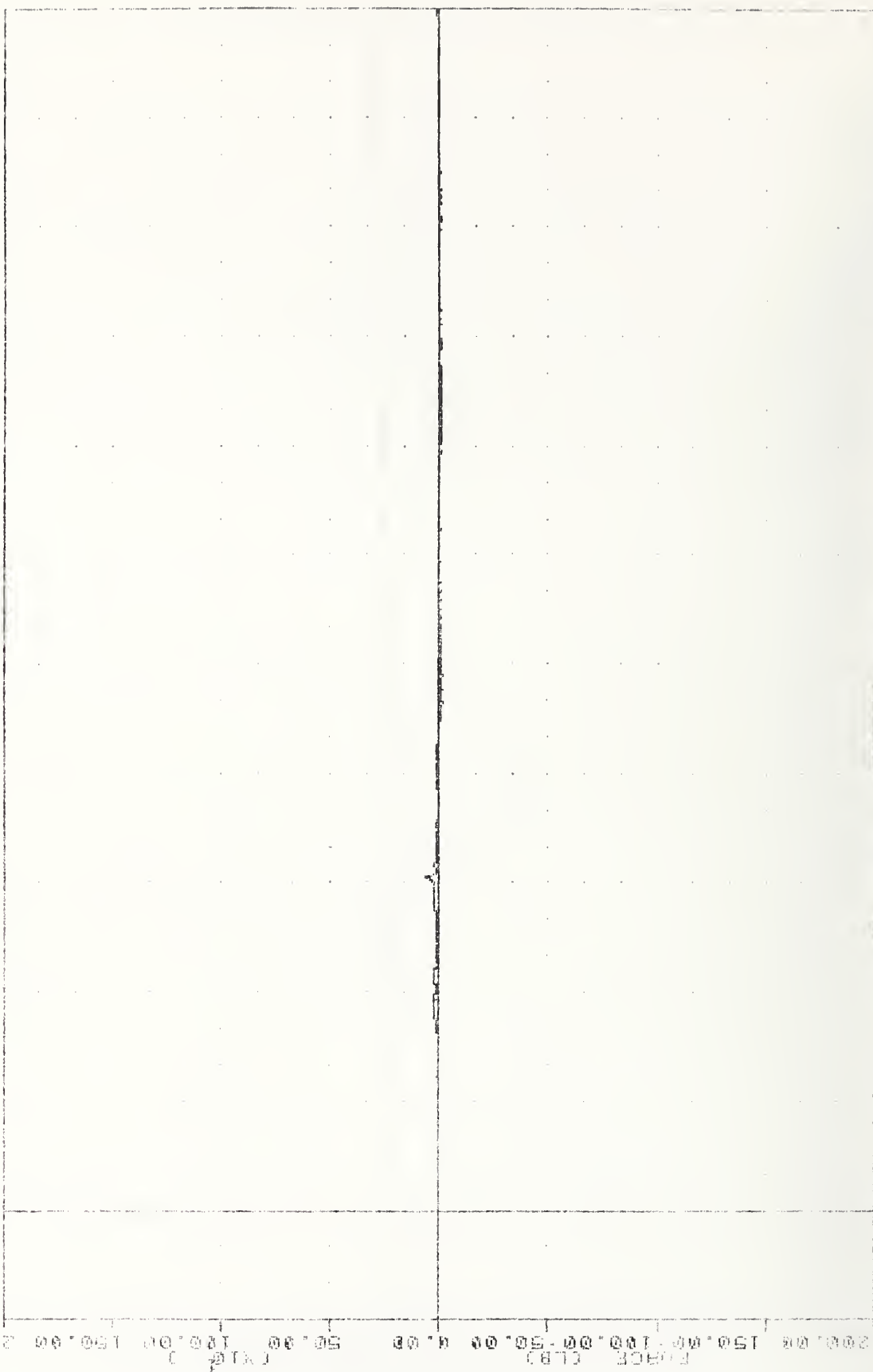
TORQUE (Lb-Ft) vs. TIME (msec)
 5000 FT IMPACT SLED TEST 30 MIP 7500 PERCENTILE HYBRID III DUMM
 10000 FT IMPACT SLED TEST 30 MIP 7500 PERCENTILE HYBRID III DUMM

REPORT OF HEAD SPEED PROGRAM

DATE: 10/12/40

TIME: 10:00/31:27/40

MIN. MAX VALUES = -15.41 92.75 59.58 61.00



20.00	40.00	60.00	80.00	100.00	120.00	140.00	150.00	180.00	200.00	220.00
-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------

REVOLET IMPALA BLEED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER LEFT LOWER TIBIA FOR 0.7 SECS LBS

3857 14:49:40

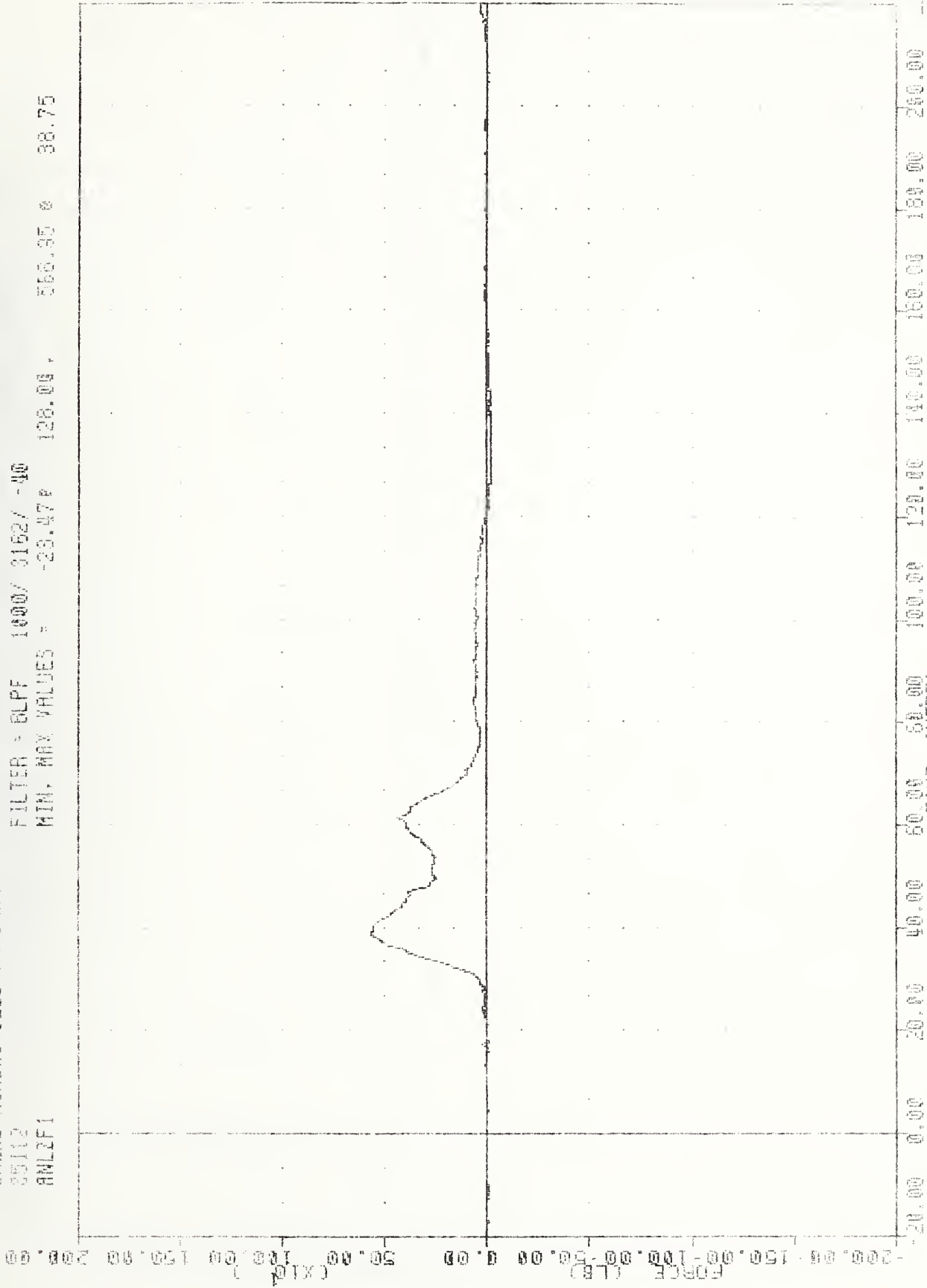
WASCO AIRBAG SLED PROGRAM

25112

ANLZF1

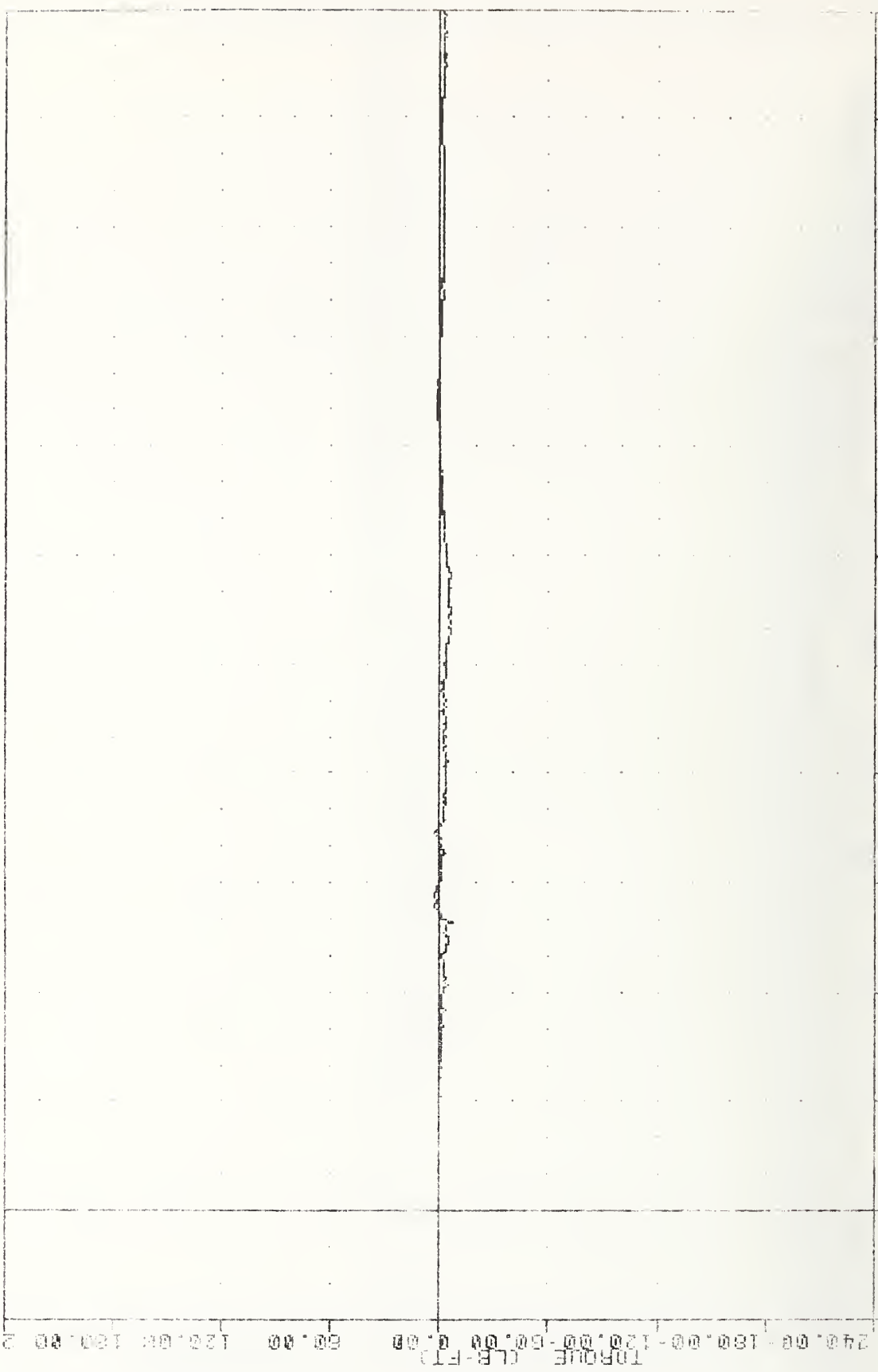
FILTER = 6LFF 1000/ 3152/ -40

MIN. MAX VALUES = -23.47# 128.0# 566.95 # 38.75



50TH ANNUAL REPORT OF THE NATIONAL HIGHWAY TRAFFIC SAFETY BOARD
 IMPACT TEST - 30 MPH - 50TH ANNUAL REPORT HYBRID III DUMMIE

CHEVROLET IMPULF SLED PROGRAM
 55112
 MIN, MAX VALUES = -7.126 52.75 2.62 55.50
 11/19/74 11:49:40



CHEVROLET IMPULF SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
 MIN, MAX VALUES = -7.126 52.75 2.62 55.50

DATE: 20-APR-69 14:45:40

BASED HYBRID TEST PROGRAM

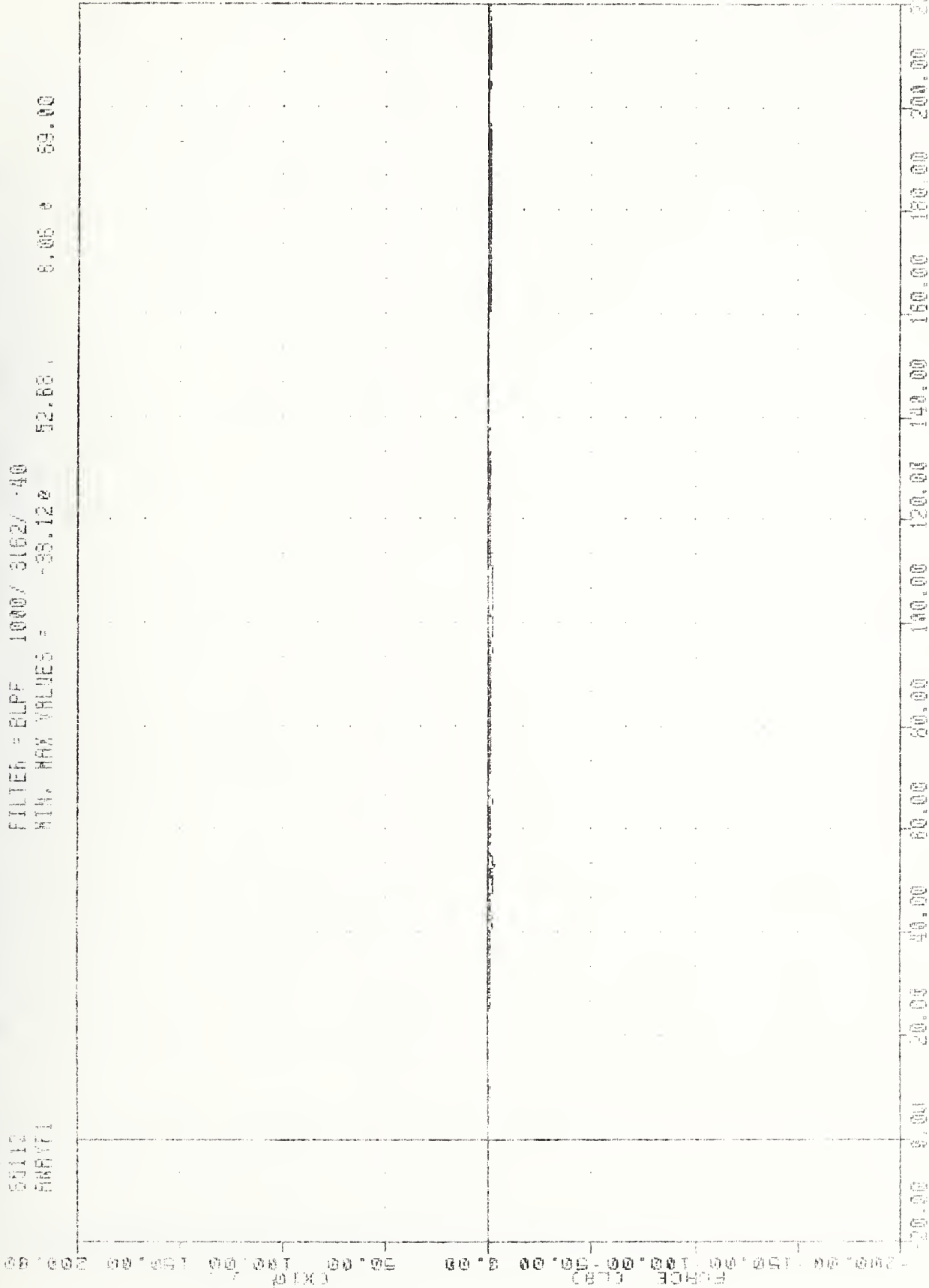
50112

ANALYST

FILTER = BLPF 1000 / 3162 / 40

MIN. MAX VALUES = -35.12 52.63

8.06 69.00



50TH PERCENTILE TEST
50 N/A
30TH PERCENTILE HYBRID III DUMMY
FORCE / AXIS LBS

DATE: 28-APR-85 14:46:40

EXECS HYBRID SLED PROGRAM

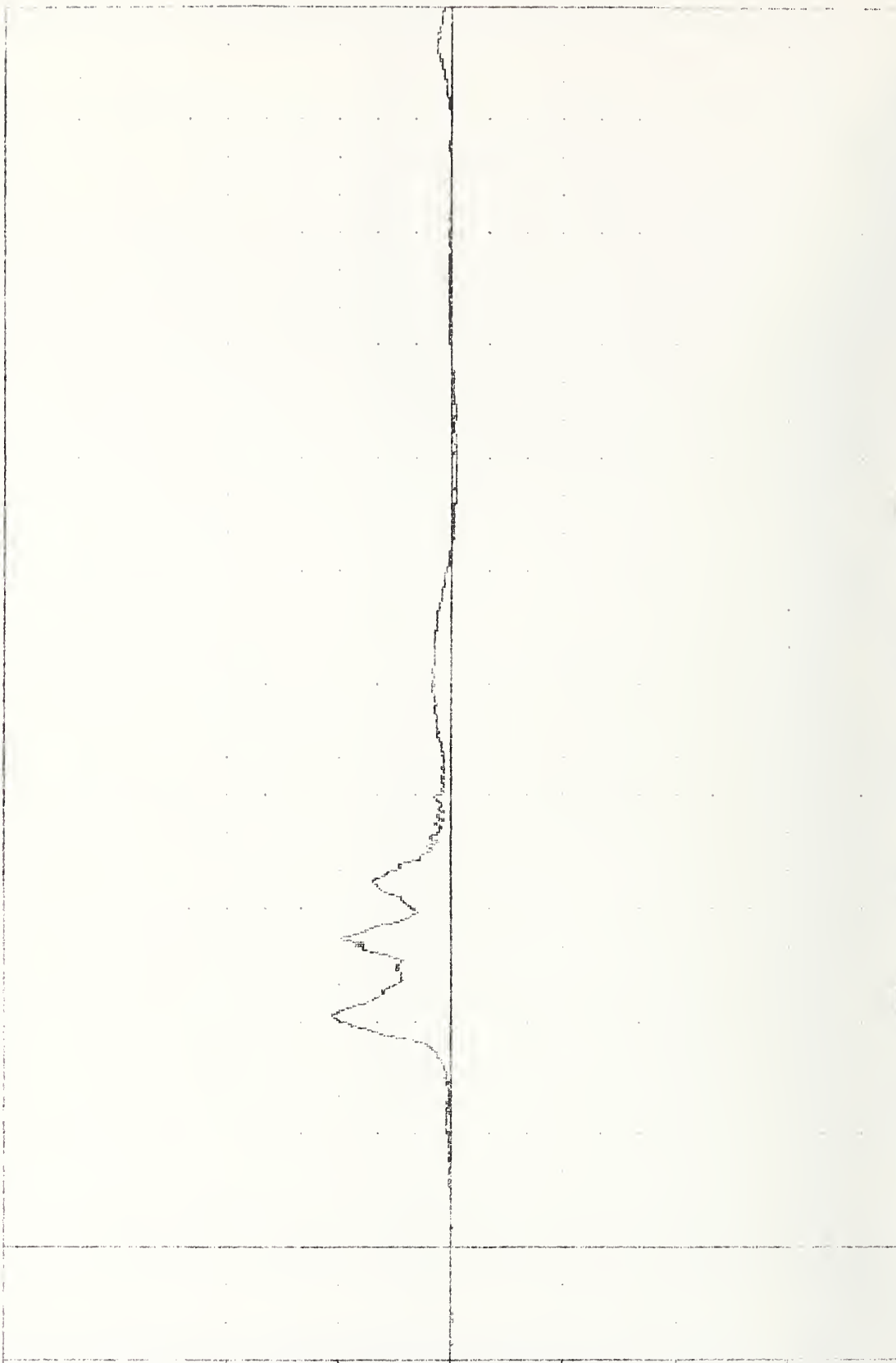
85112

BRZIF1

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -20.87% 198.50 532.57 @ 40.88

200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00



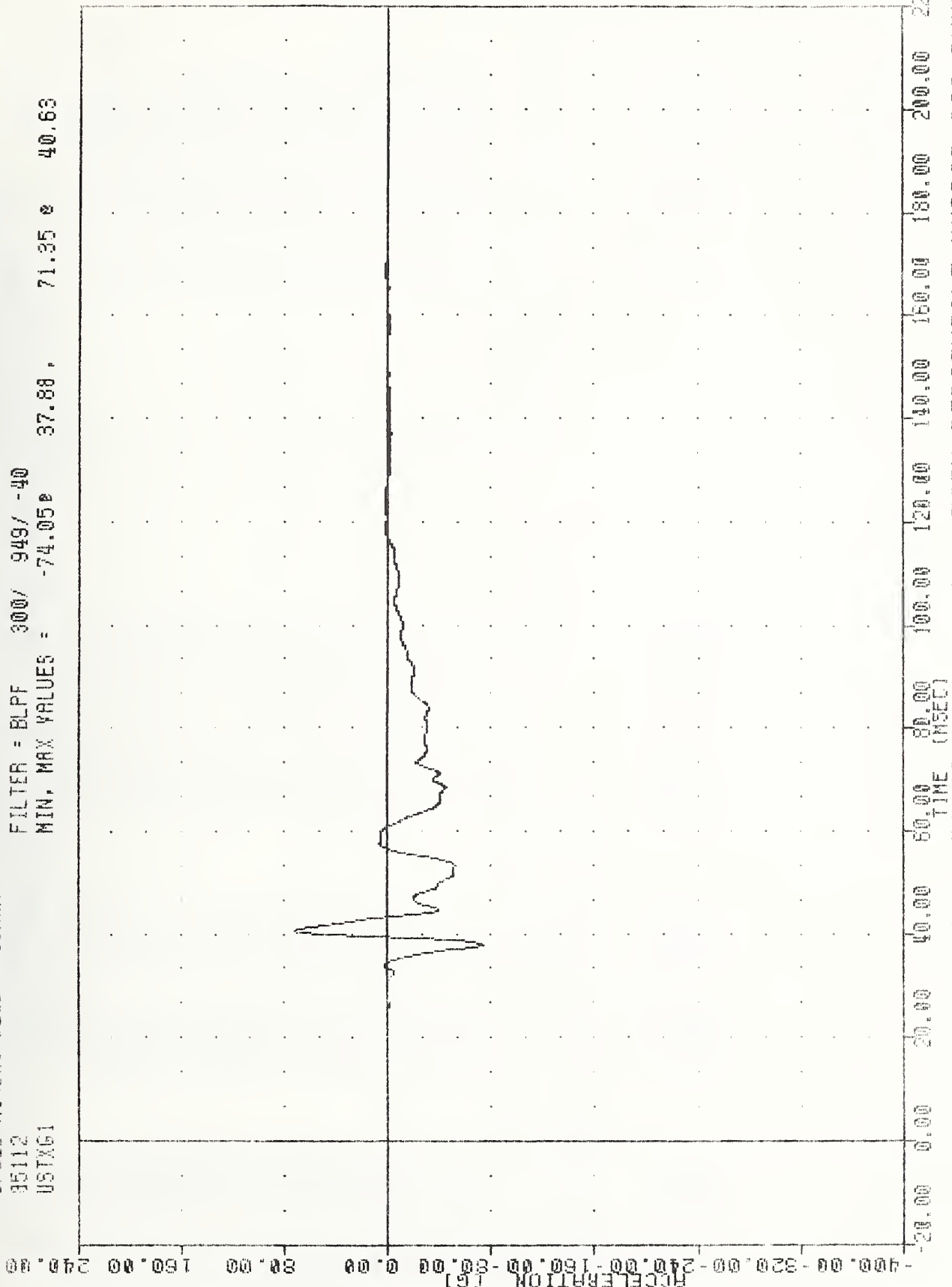
200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

HYBRID III SUMM

VRTC 00324-4-12 PLOT DATE 29-APR-85 15:40:03
 BREED AIRBORN SLED PROGRAM
 95112 FILTER = BLPF 300/ 949/ -40
 USTXG1 MIN. MAX VALUES = -74.05g 37.88g 71.35g 40.63

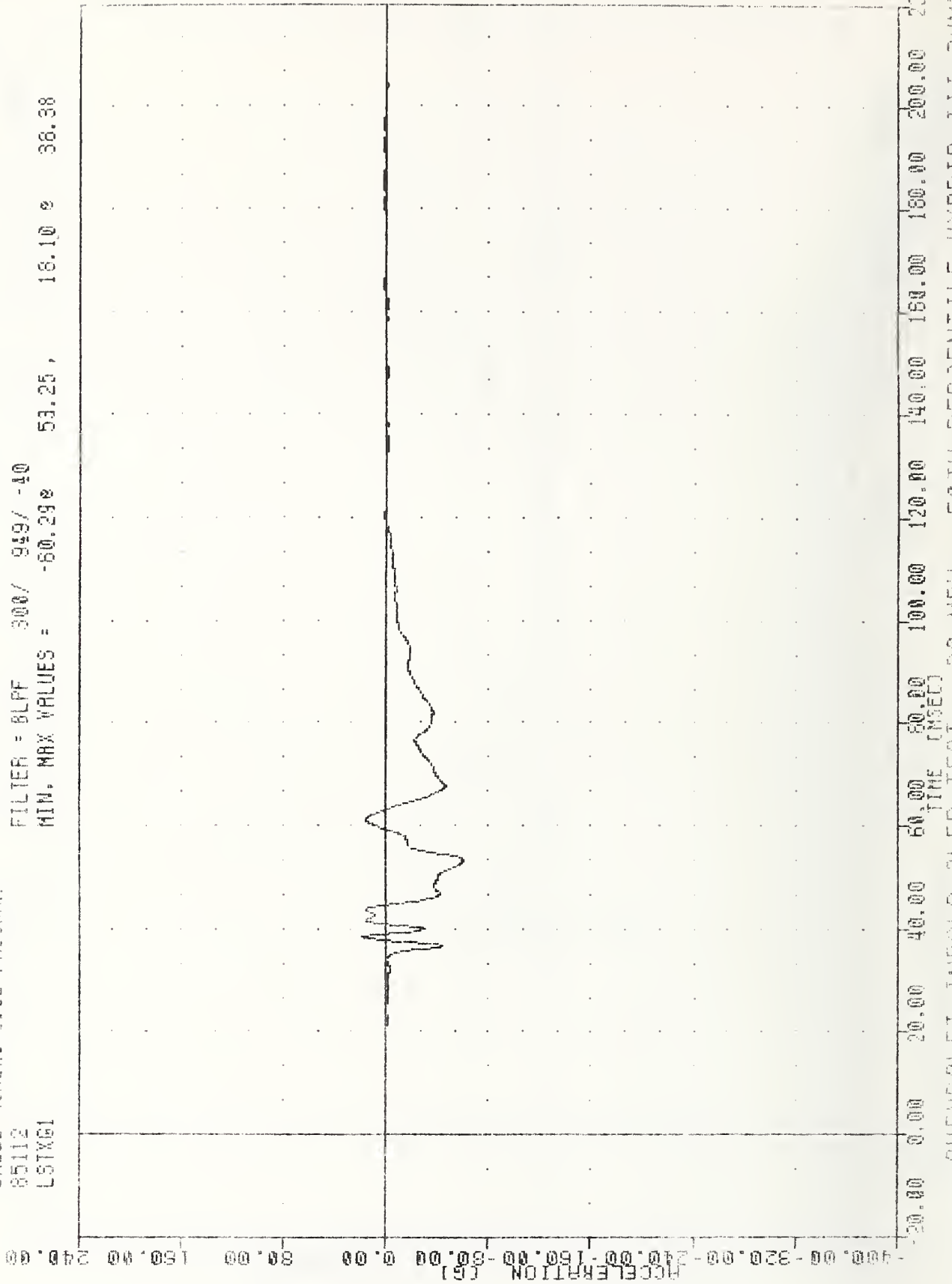


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER UPPER STERNUM ACCELERATION X AXIS

V81C , RD384-4-17
BREED AIRBAG SLED PROGRAM
85112
LSTX61

PLUT DATE 28-APR-85 15:40:03

FILTER = BLPF 300/ 949/ -10
MIN. MAX VALUES = -60.29e 53.25, 16.10 e 36.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LOWER STEERING ACCELERATION X AXIS

TRC419P. RAD; 2
 VRTC
 85113
 RD384-4-1B BREED AIRBAG SLED PROGRAM
 30.00 mph
 28-APR-85 08:55

EVENT	Min value	Max value	Data Units	Filter
1	0.044 @ 40.000	1.604 @ -14.500 msec	volt	ALPF 1650/ 5214/ -40
2	-32.991 @ 119.750	0.169 @ -0.500 msec	mph	BLPF 100/ 316/ -40
3	-23.453 @ 55.625	0.736 @ 121.375 msec	g	BLPF 100/ 316/ -40
4	-35.191 @ 60.125	6.868 @ 45.500 msec	g	ALPF 1650/ 5214/ -40
5	-3.307 @ 46.500	4.260 @ 97.250 msec	g	ALPF 1650/ 5214/ -40
6	-19.186 @ 108.750	9.229 @ 138.250 msec	g	ALPF 1650/ 5214/ -40
7	-25.284 @ 74.250	3.445 @ 142.125 msec	g	BLPF 300/ 949/ -40
8	-2.540 @ 88.375	1.192 @ 55.125 msec	g	BLPF 300/ 949/ -40
9	-3.246 @ 52.375	4.270 @ 64.375 msec	g	BLPF 300/ 949/ -40
10	-83.121 @ 38.375	83.726 @ 41.125 msec	g	BLPF 300/ 949/ -40
11	-54.422 @ 49.625	30.066 @ 63.625 msec	g	BLPF 300/ 949/ -40
12	-44.933 @ 81.000	1.274 @ 144.500 msec	g	BLPF 300/ 949/ -40
13	-4.151 @ 79.125	2.401 @ 109.750 msec	g	BLPF 300/ 949/ -40
14	-15.923 @ 86.125	1.626 @ 187.000 msec	g	BLPF 300/ 949/ -40
15	-148.449 @ 92.750	39.865 @ 100.125 msec	g	BLPF 100/ 316/ -40
16	-9.113 @ 97.250	16.302 @ 90.375 msec	g	BLPF 100/ 316/ -40
17	-28.475 @ 100.625	52.280 @ 94.500 msec	g	BLPF 100/ 316/ -40
18	-22.993 @ 56.750	0.864 @ 121.125 msec	g	BLPF 100/ 316/ -40
19	-2.997 @ 112.375	2.873 @ 35.375 msec	g	BLPF 100/ 316/ -40
20	-2.548 @ 33.750	3.713 @ 28.875 msec	g	BLPF 100/ 316/ -40
21	-3.608 @ 215.750	1347.025 @ 87.500 msec	lb	BLPF 1650/ 5214/ -40
22	-2.631 @ 39.625	34.572 @ 29.875 msec	psig	ALPF 1650/ 5214/ -40
23	-3.275 @ 25.875	0.003 @ -12.875 msec	volt	ALPF 1650/ 5214/ -40
24	-3.275 @ 25.625	0.001 @ -19.375 msec	volt	ALPF 1650/ 5214/ -40
25	-0.006 @ -0.500	2.030 @ 24.000 msec	volt	ALPF 1650/ 5214/ -40
26	-0.018 @ 47.250	2.162 @ 48.375 msec	volt	ALPF 1650/ 5214/ -40

167

TRC419P. RAD; 2
 VRTC
 85113
 RD384-4-1B BREED AIRBAG SLED PROGRAM
 30.00 mph
 24-APR-85 13:08

EVENT	Min value	Max value	Data Units	Filter
1	0.037 @ -12.625	35.864 @ 61.000 msec	g	ALPF 1650/ 5214/ -40
2	0.057 @ -16.875	25.419 @ 74.625 msec	g	BLPF 300/ 949/ -40
3	0.043 @ -9.125	46.573 @ 81.000 msec	g	BLPF 300/ 949/ -40
4	0.024 @ -19.125	154.135 @ 92.875 msec	g	BLPF 100/ 316/ -40
5	0.095 @ -19.375	23.013 @ 56.625 msec	g	BLPF 100/ 316/ -40

TRC419AP. RAD: 1
 VRTC RD384-4-18 BREED AIRBAG SLED PROGRAM 24-APR-85 13:08
 85113 30.00 mph

	Min value	Max value	Data Units	Filter
1	-28.026 @	15.621 @	g	ALPF 1650/ 5214/ -40
2	-0.015 @	1.275 @	in	BLPF 300/ 949/ -40
3	-248.725 @	81.406 @	lb	BLPF 1000/ 3162/ -40
4	-315.127 @	39.797 @	lb	BLPF 1000/ 3162/ -40
5	-260.762 @	47.655 @	lb	BLPF 1000/ 3162/ -40
6	-195.044 @	30.379 @	lb	BLPF 1000/ 3162/ -40
7	-10.905 @	26.023 @	lb-ft	BLPF 1000/ 3162/ -40
8	-60.115 @	87.937 @	lb-ft	BLPF 1000/ 3162/ -40
9	-21.564 @	4.713 @	lb-ft	BLPF 1000/ 3162/ -40
10	-65.407 @	74.605 @	lb-ft	BLPF 1000/ 3162/ -40
11	-6.617 @	574.606 @	lb	BLPF 1000/ 3162/ -40
12	-6.514 @	4.180 @	lb-ft	BLPF 1000/ 3162/ -40
13	-9.029 @	40.838 @	lb	BLPF 1000/ 3162/ -40
14	-17.936 @	499.736 @	lb	BLPF 1000/ 3162/ -40

TRC419IP. RAD: 2
 VRTC RD384-4-18 BREED AIRBAG SLED PROGRAM 1-MAY-85 15:04
 85113 30.00 mph

	Min value	Max value	Data Units	Filter
1	-40.464 @	0.216 @	mph	BLPF 300/ 949/ -40
2	-54.922 @	-0.078 @	in	BLPF 300/ 949/ -40
3	-35.079 @	-0.763 @	mph	BLPF 300/ 949/ -40
4	-56.559 @	-0.402 @	in	BLPF 300/ 949/ -40
5	-32.927 @	-0.322 @	mph	BLPF 300/ 949/ -40
6	-58.296 @	-0.178 @	in	BLPF 300/ 949/ -40
7	-32.615 @	0.005 @	mph	BLPF 300/ 949/ -40
8	-62.713 @	0.004 @	in	BLPF 300/ 949/ -40
9	-28.476 @	0.105 @	mph	BLPF 300/ 949/ -40
10	-49.676 @	0.073 @	in	BLPF 300/ 949/ -40
11	-31.877 @	-0.114 @	mph	BLPF 300/ 949/ -40
12	-61.176 @	-0.070 @	in	BLPF 300/ 949/ -40

100

HEDRG1

* * * HIC computation for TRC419RF 24-APR-85 13:17:47

HEDRG1 VRTC RD384-4-18 85113 BREED AIRBAG SLED PROGRAM

Using time range = 0.000 to 150.875 msec Peak accel = 35.86 @ 61.000

HIC = 122.39 Interval from 50.000 [561] to 143.250 [1307]

HIC = 86.82 Interval from 54.375 [596] to 69.375 [716]

CSTRG1

LSLED,BREED,TRC419RF,RAD#2 VRTC RD384-4-18
BREED AIRBAG SLED PROGRAM 30.0 mph 85113 24-APR-85 13:15:02
Bellax: 0.125

3 MS CLIP PEAK: 25.08010

Please run LSTRAD on this channel for the full time
and save it to the project manager to double-check peak

Enter channel name -> EXIT

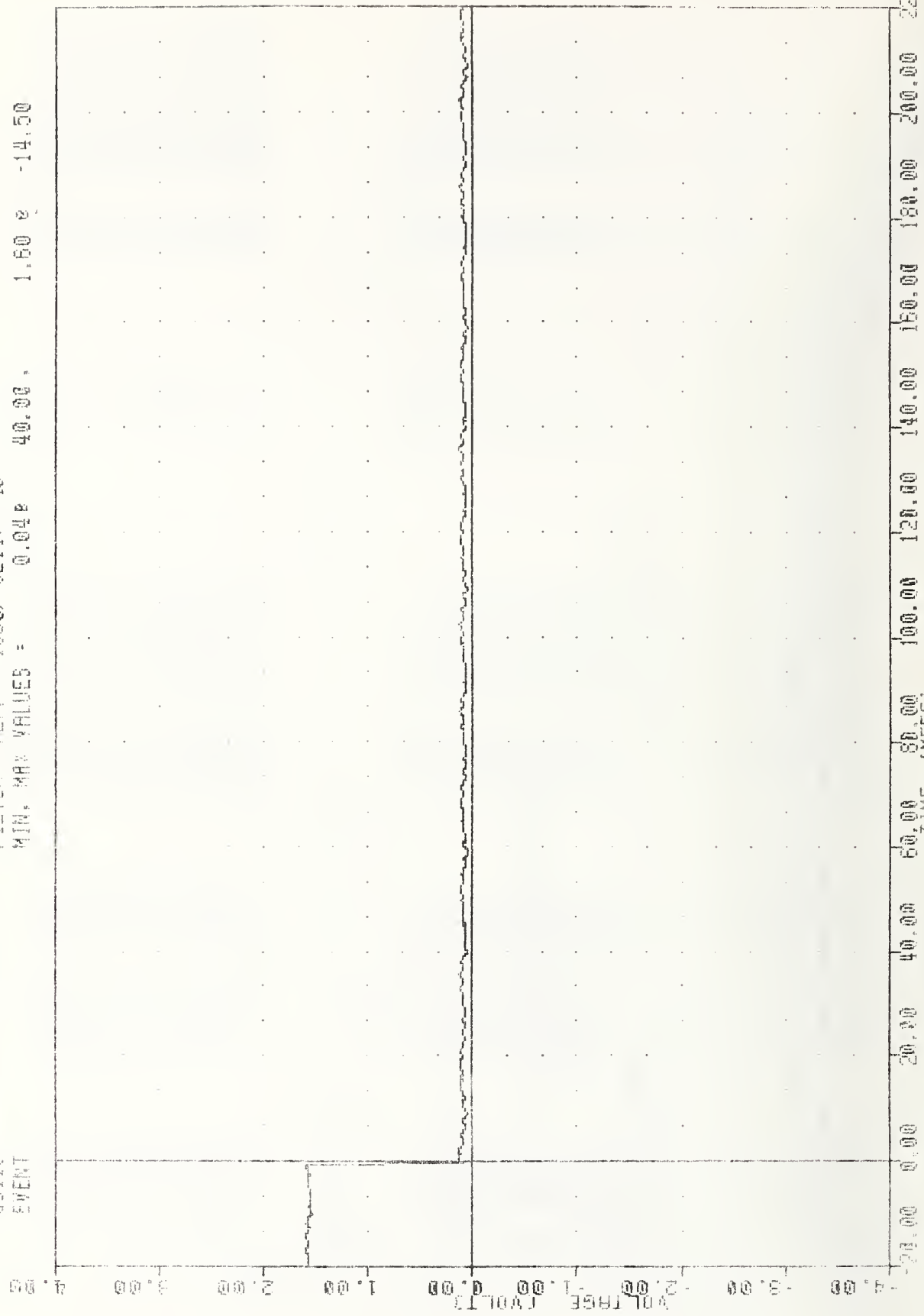
Enter input filespec -> EXIT

\$

V810 , 60804-1-18
 SRECI - ALIENS SLDG PROGRAM
 85118
 EVENT

PLOT DATE 25-APR-85 12:52:23

FILTER = ALFF 1650/ 5214/ -40
 MIN. MAX VALUES = 0.04e 40.00, 1.60 e -14.50

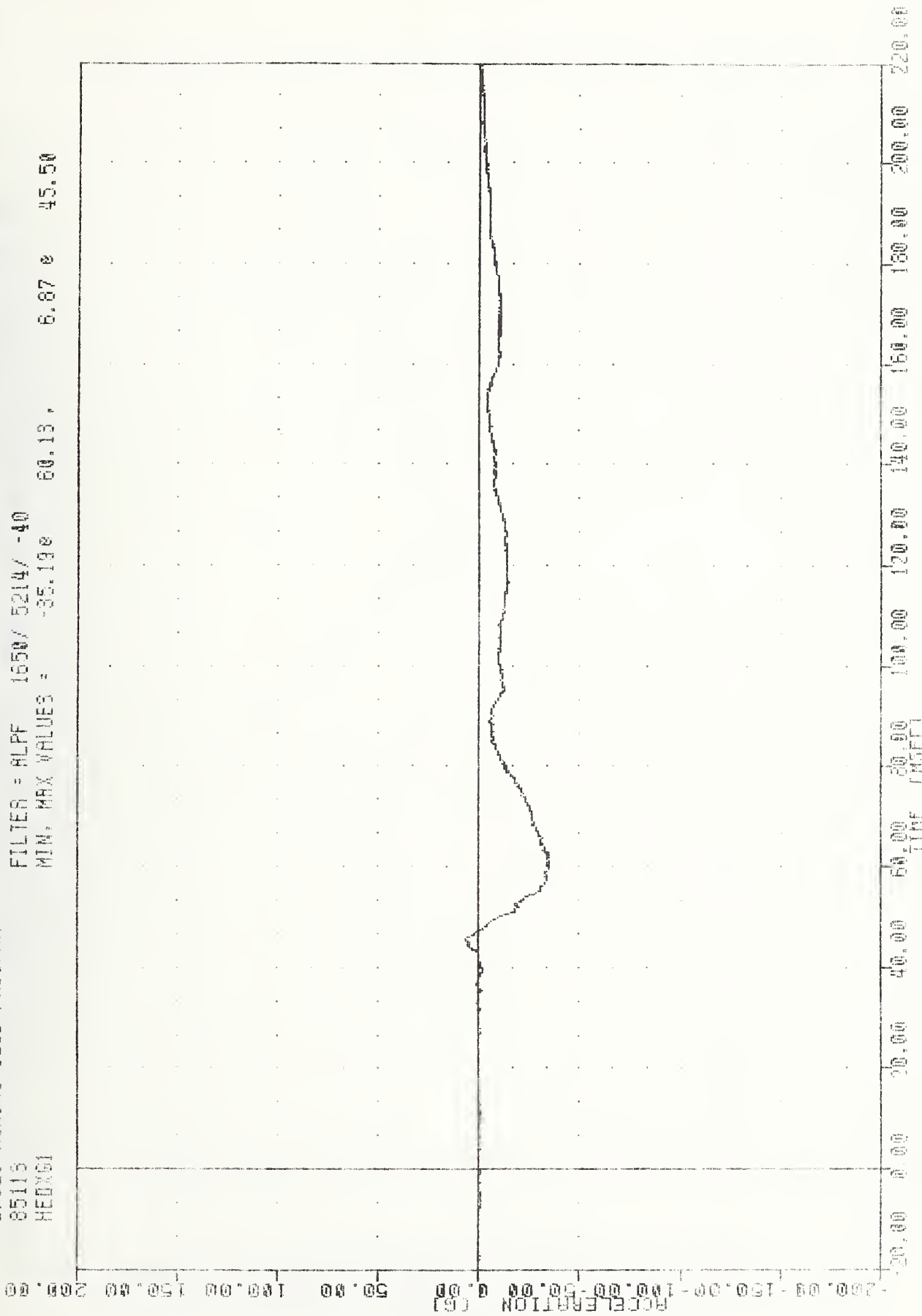


30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 EVENT

MSVC 80384-4-15
BREED AIRBAG SLED PROGRAM
85113
HEDXG1

PLOT DATE 25-APR-95 12:52:23

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -35.19e 60.13, 6.87 e 45.50

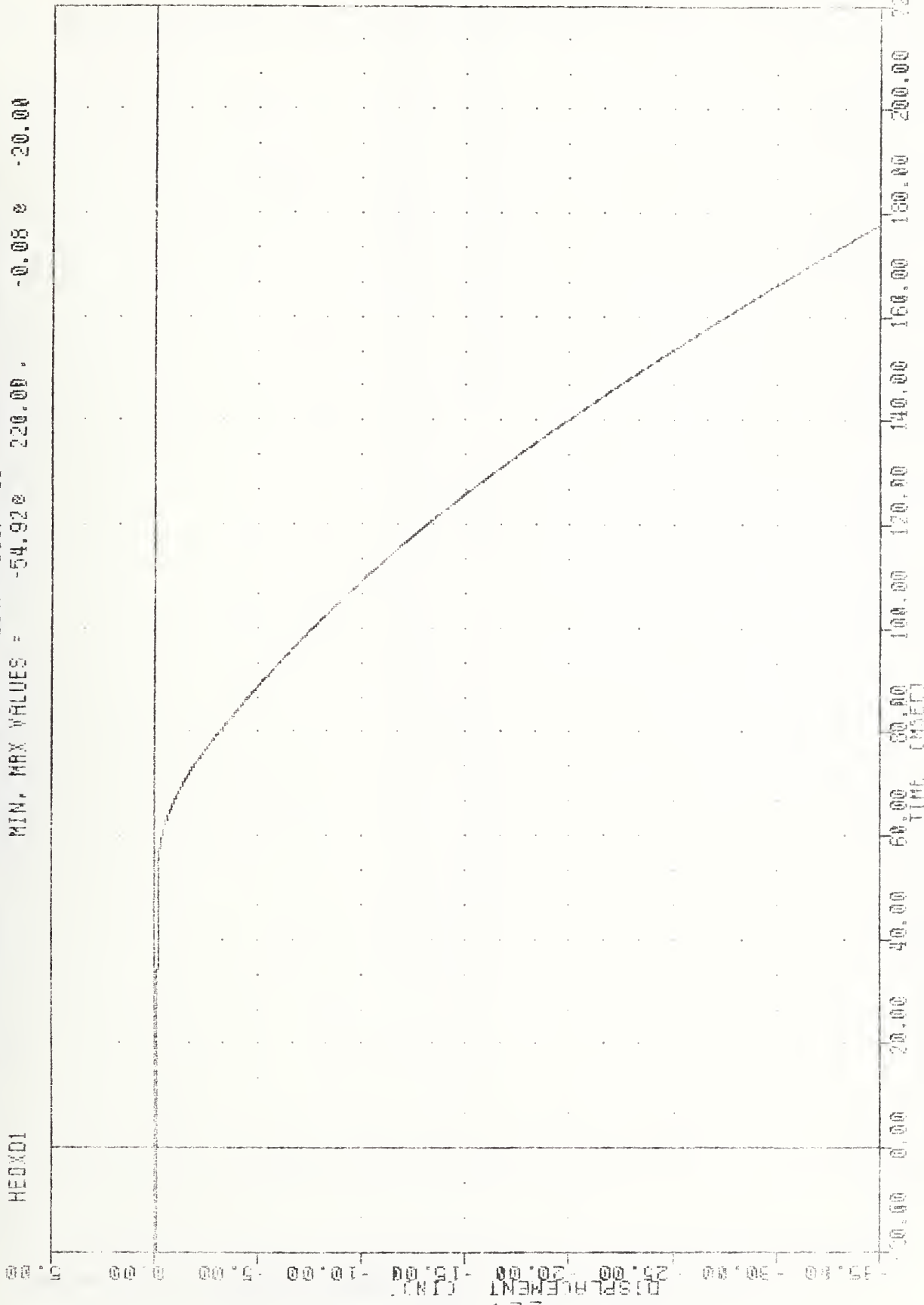


CHEVROLET IMPALA BLEP TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVEN HEAD ACCELERATION (G)

VPIE . RUSBY-10
 8960 RIMBAG 6LED PROGRAM
 85113
 HEDXD1

PRINT DATE 25-APR-86 14:18:52

FILTER = RLPF 30W/ 949/ -40
 MIN. MAX VALUES = -54.92e 220.00 . -0.08 e -20.00

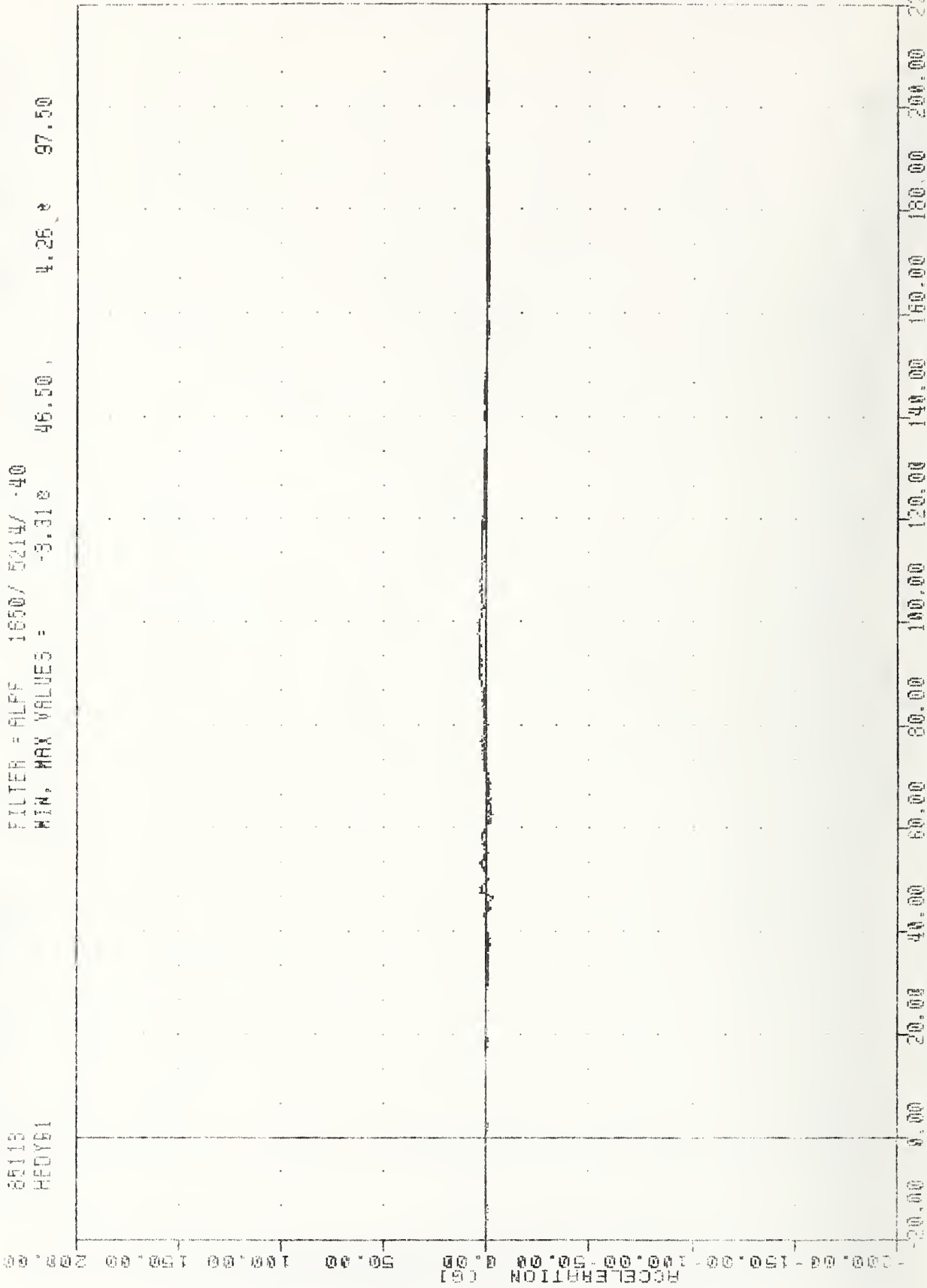


8960 RIMBAG 6LED TEST - 30 MPa - 50TH PERCENTILE HYBRID III DUMMY
 TIME (MSEC)

WATC , RD884-4-16
 SAFED RIBBON BLEED PROGRAM
 85113
 HEDY91

PRINT DATE 25 APR-85 12:52:23

FILTER = ALFF 1650/ 5214/ -40
 MIN, MAX VALUES = -3.31e 46.50 , 4.26e 97.50



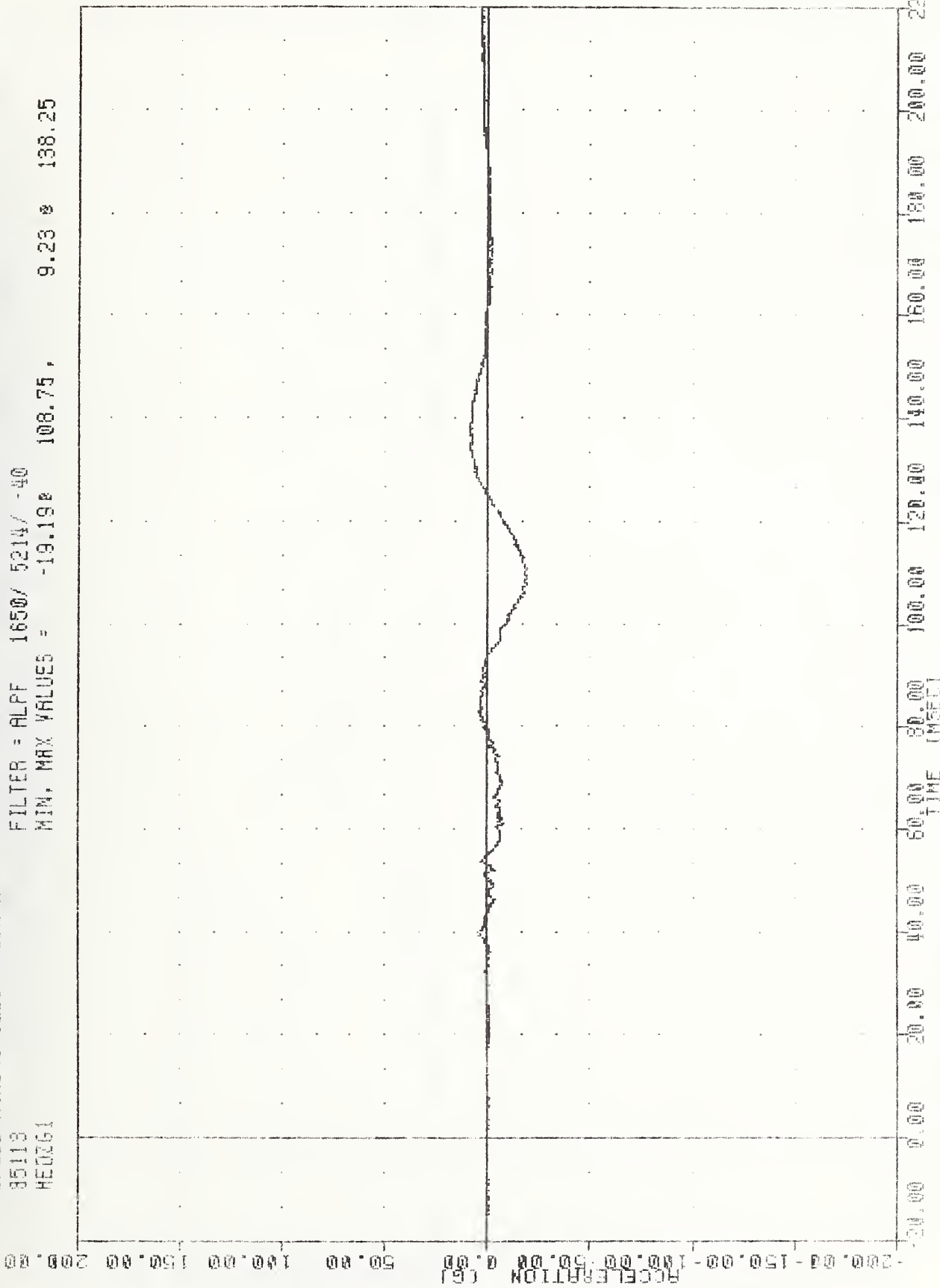
-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 ACCELERATION (G)
 TIME (MSEC)
 SAFED RIBBON BLEED TEST - 30 MPH 50TH PERCENTILE HYBRID III DUNN
 SAFED RIBBON BLEED TEST - 30 MPH 50TH PERCENTILE HYBRID III DUNN

VAI
R0384-4-18
SLED AIRBAG SLED PROGRAM
85113
HE0261

PLOT DATE 25-APR-85 12:52:23

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -19.198 108.75, 9.23 * 138.25

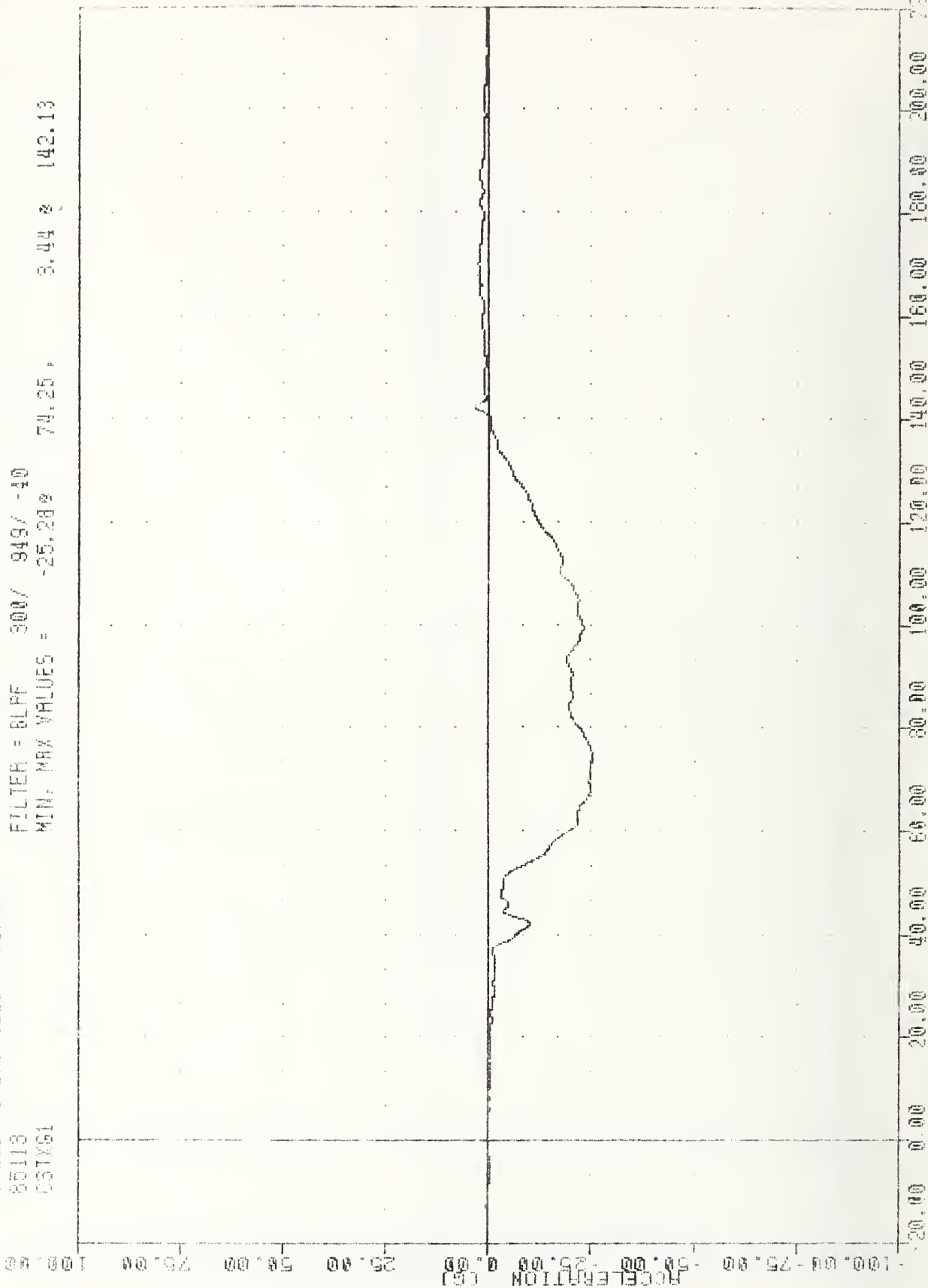


DRIVER HEAD ACCELERATION / AXIS
30 MPH - 50TH PERCENTILE HYBRID III DUMMY

UNIT : 50364-4-16
SPEED NUMBER : 300/ 949/ -40
85113
CSTXG1

PLOT DATE : 25-MAR-85 12:52:23

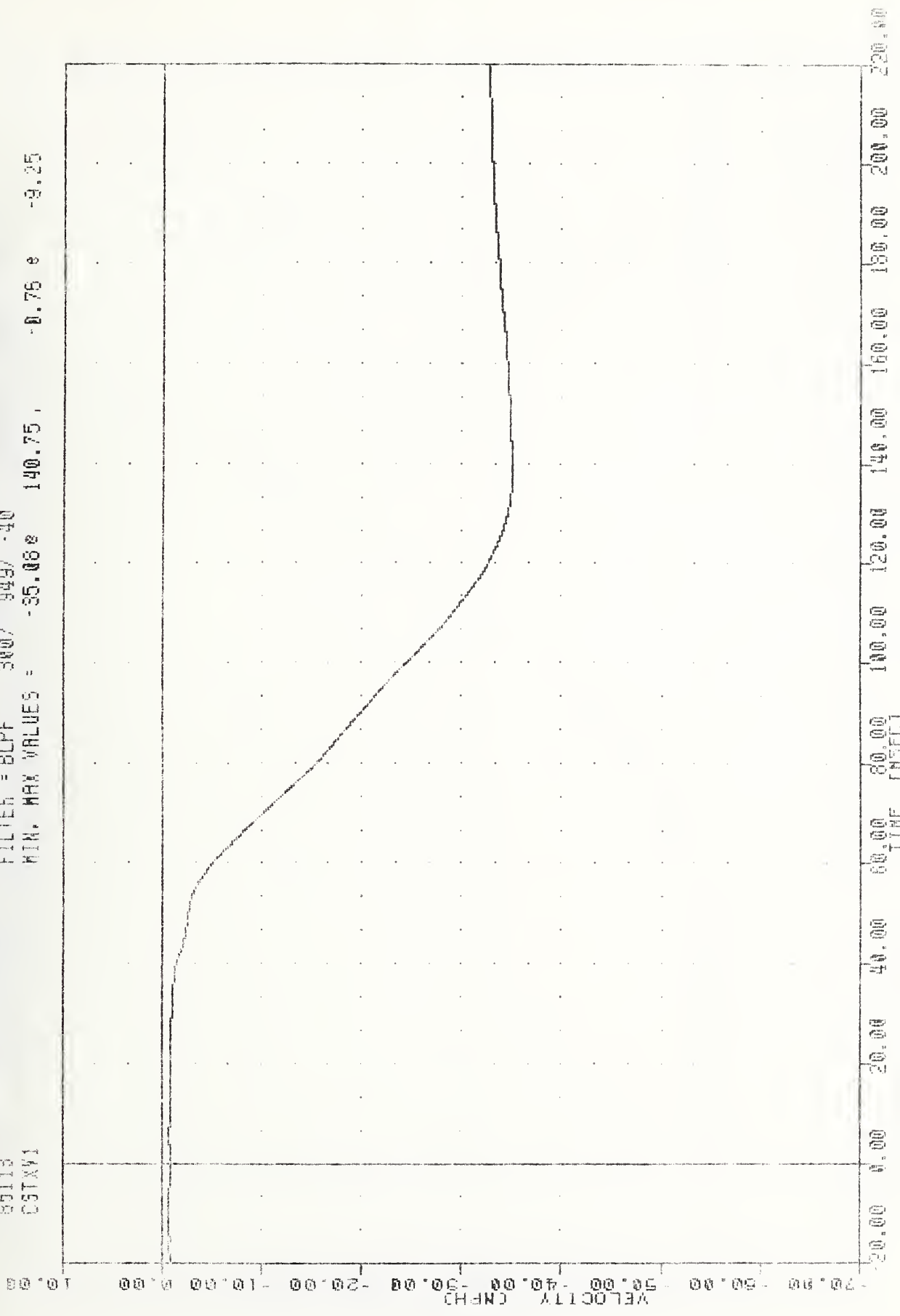
FILTER = 6LFF 300/ 949/ -40
MIN. MAX VALUES = 74.25 , 3.44 & 142.13



CHEVROLET IMPALA SILENT TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMM
TEST CHEV ACCELERATION : 9.77

VFLC 4-10
 CHEVROLET IMPALA SLED PROGRAM
 85113
 CSTXV1

FLIGHT DATE 25-APR-85 14:13:52
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -35.06e 140.75 , -0.76 e -9.25



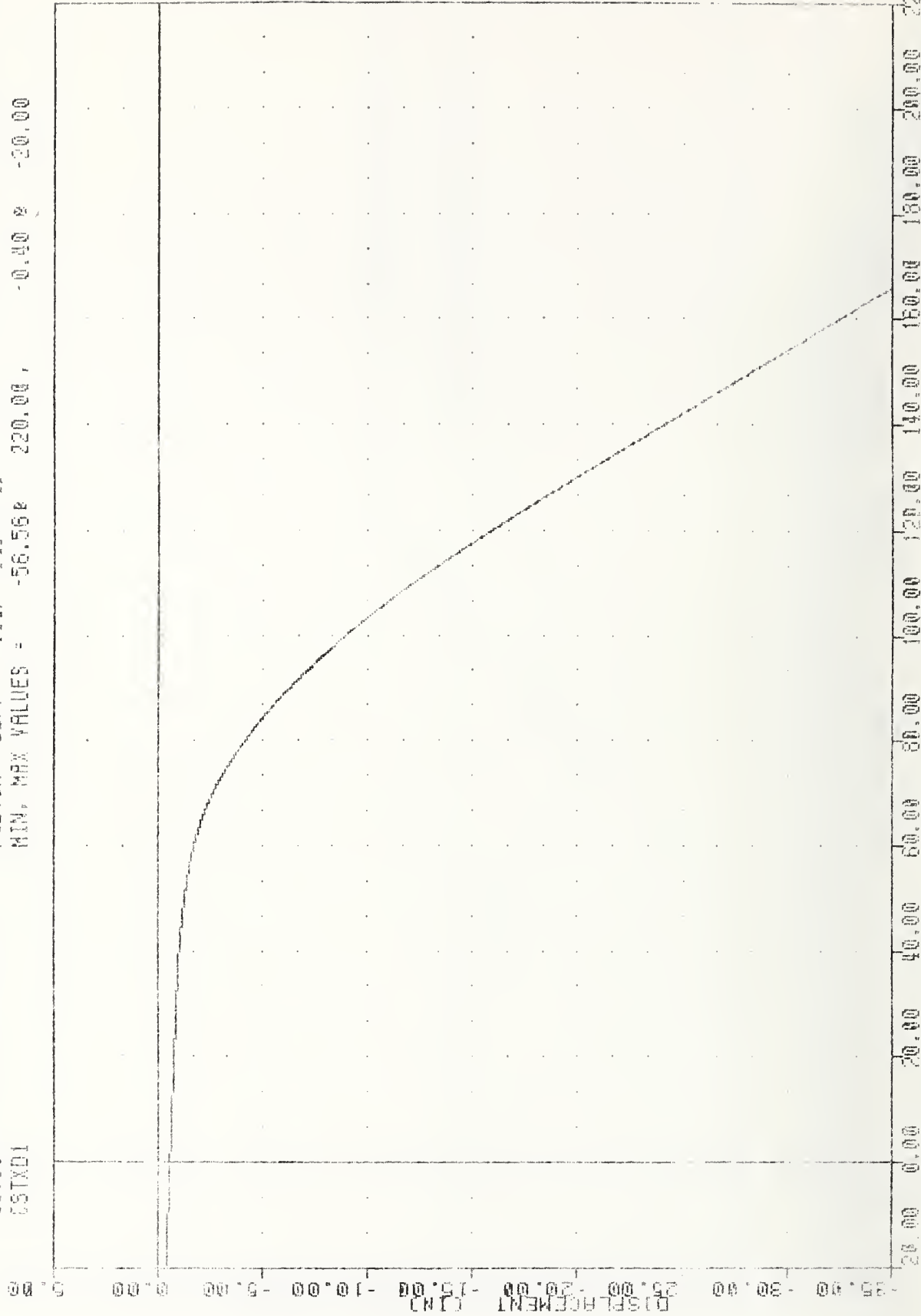
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE HYBRID III DUMMY
 FILTER USING CSTXG1

YR 01 - 60-MPH 4-15
BREED AIRBAG SLED PROGRAM
95113
CSTXD1

PLOT DATE 25-APR-85 14:13:52

FILTER = BLFF 300/ 549/ -40

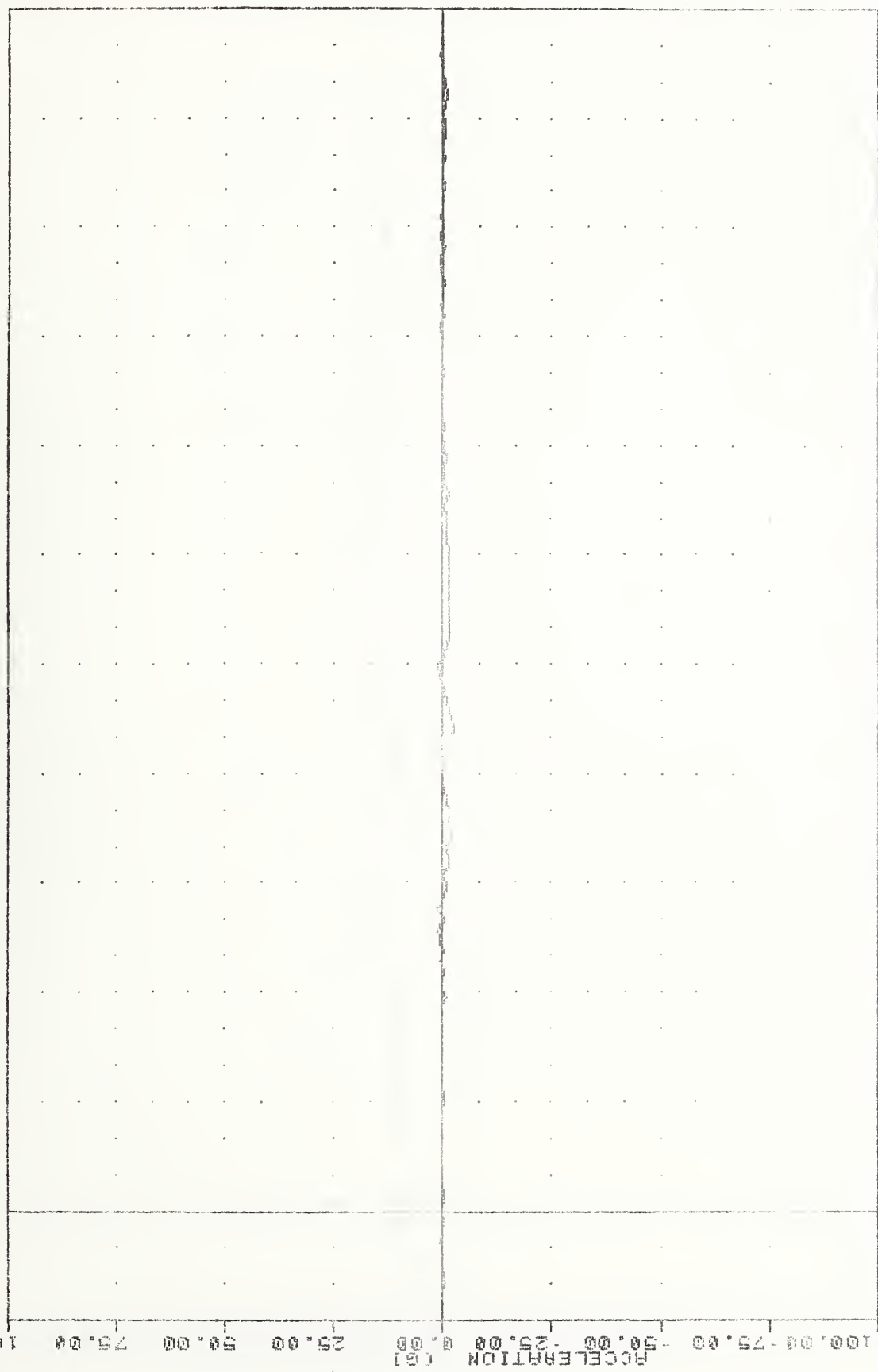
MIN, MAX VALUES = -56.56E 220.00, -0.40 E -20.00



CHEVROLET IMPALA SLED TEST - 60 MPH - 50TH PERCENTILE HYBRID III DUMMY
DEFTP USING (C03XW)

YATC , R0384-4-18
 BREED AIRBAG SLED PROGRAM
 85115
 CSTY61

PLOT DATE 25-APR-85 12:52:29
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -2.54e 88.38 , 1.19 e 55.13



-100.00
 -75.00
 -50.00
 -25.00
 0.00
 25.00
 50.00
 75.00
 100.00

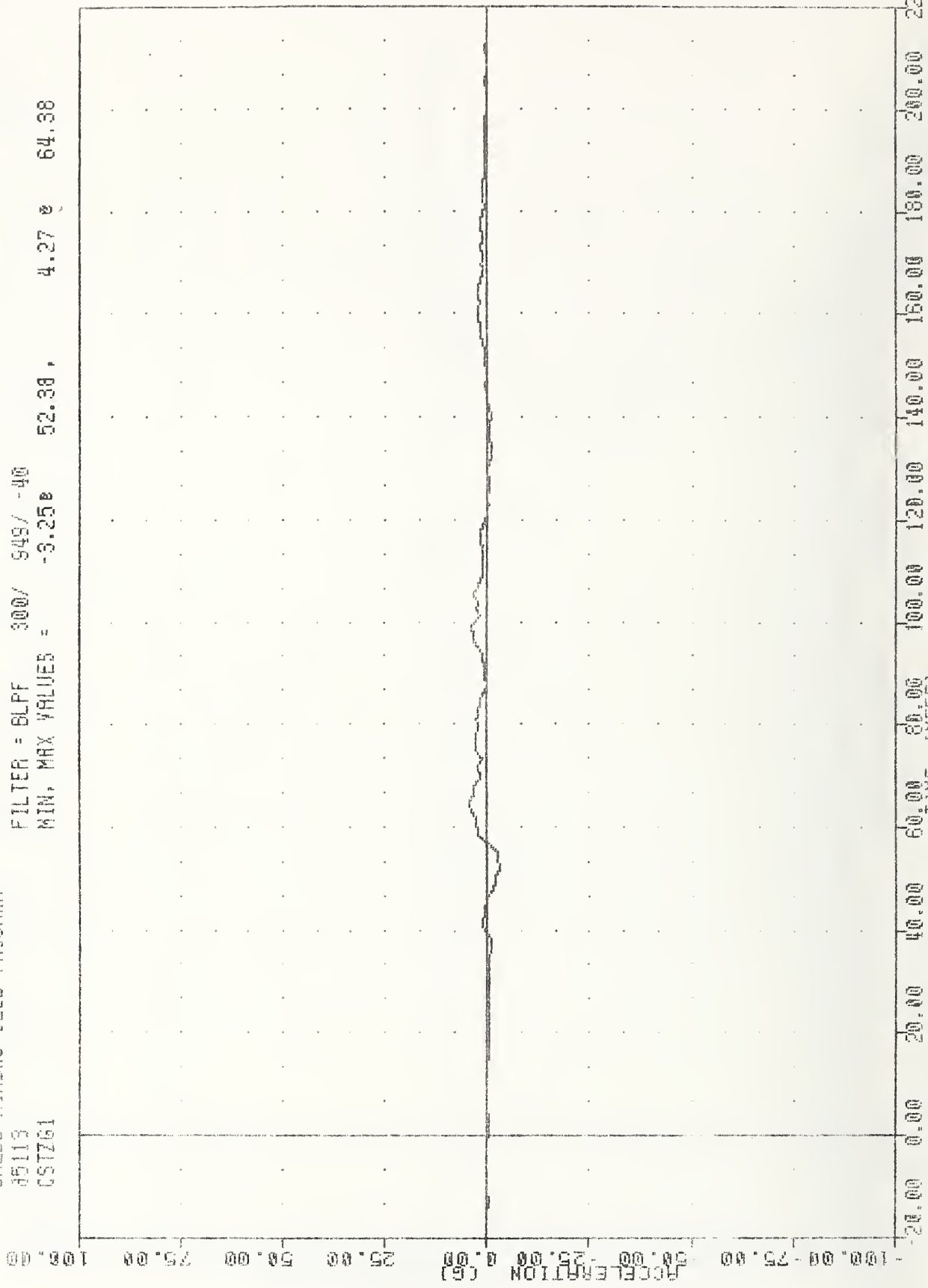
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VATIC . R0384-4-18
BREED AIRBAG SLED PROGRAM
J5113
CS1Z61

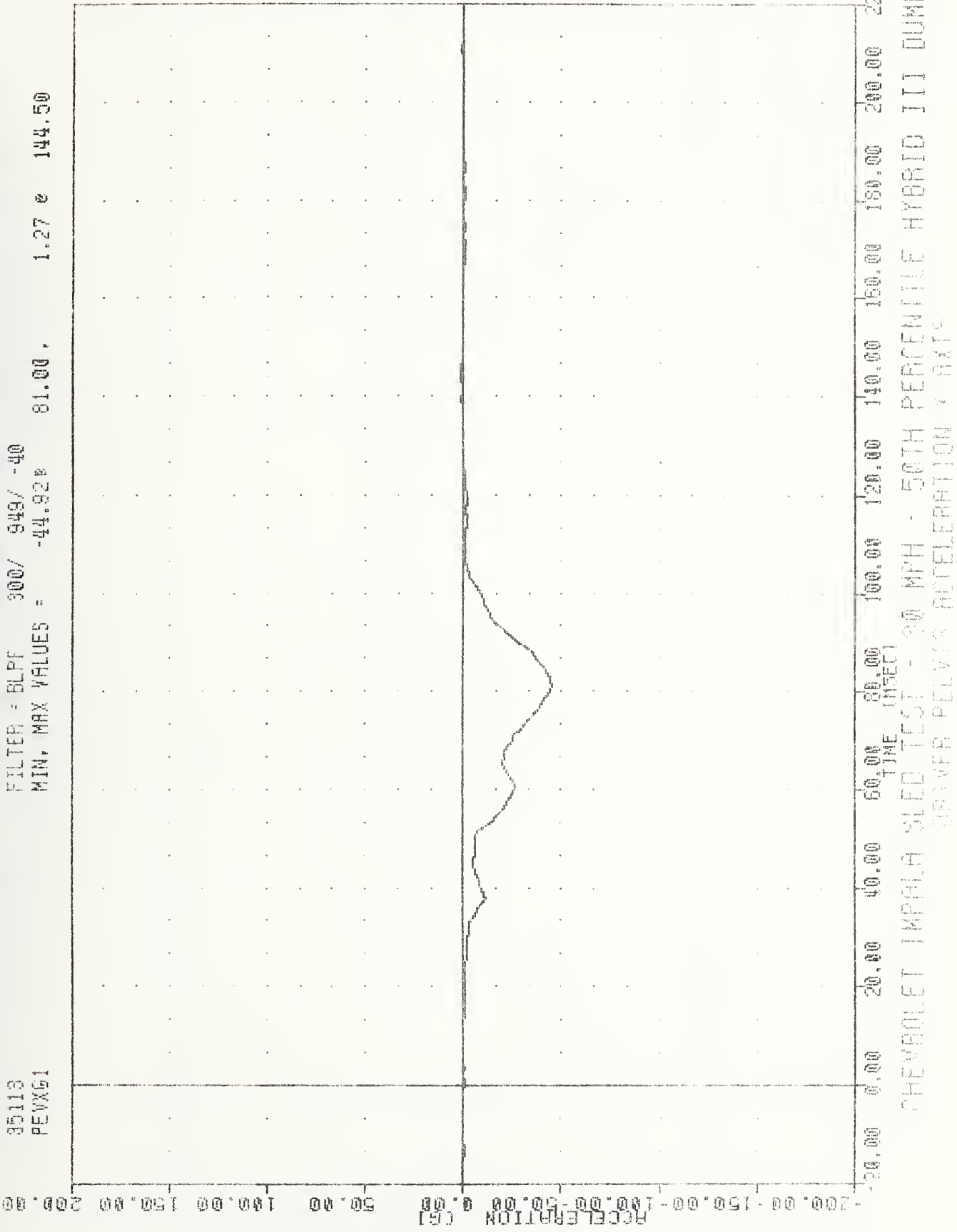
PLOT DATE 25-APR-85 12:52:23

FILTER = BLPF 300/ 545/ -40
MIN, MAX VALUES = -3.25e 52.38 , 4.27 e 64.38



CHEVROLET IMPAIR SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION 7 AXIS

VRTG : R0364-4-18
 BREED AIRBORN SLED PROGRAM
 35113
 PEVXG1
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -44.92# 81.00, 1.27 e 144.50
 PLOT DATE 25-APR-65 12:52:26

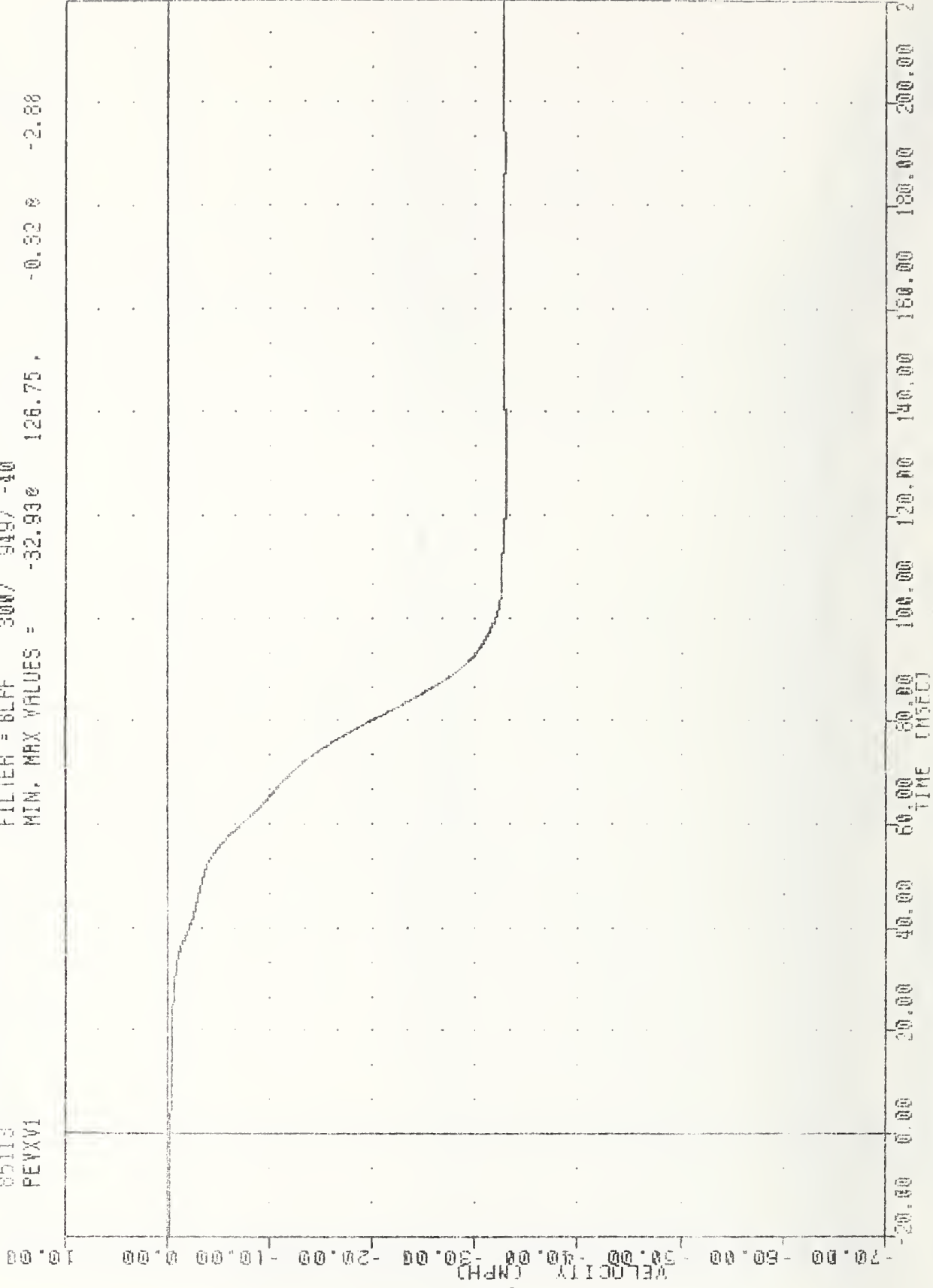


VRIC , R0304-4-10
BREED AIRBAG SLED PROGRAM
05113
PEXXV1

PLOT DATE 25-APR-65 14:13:52

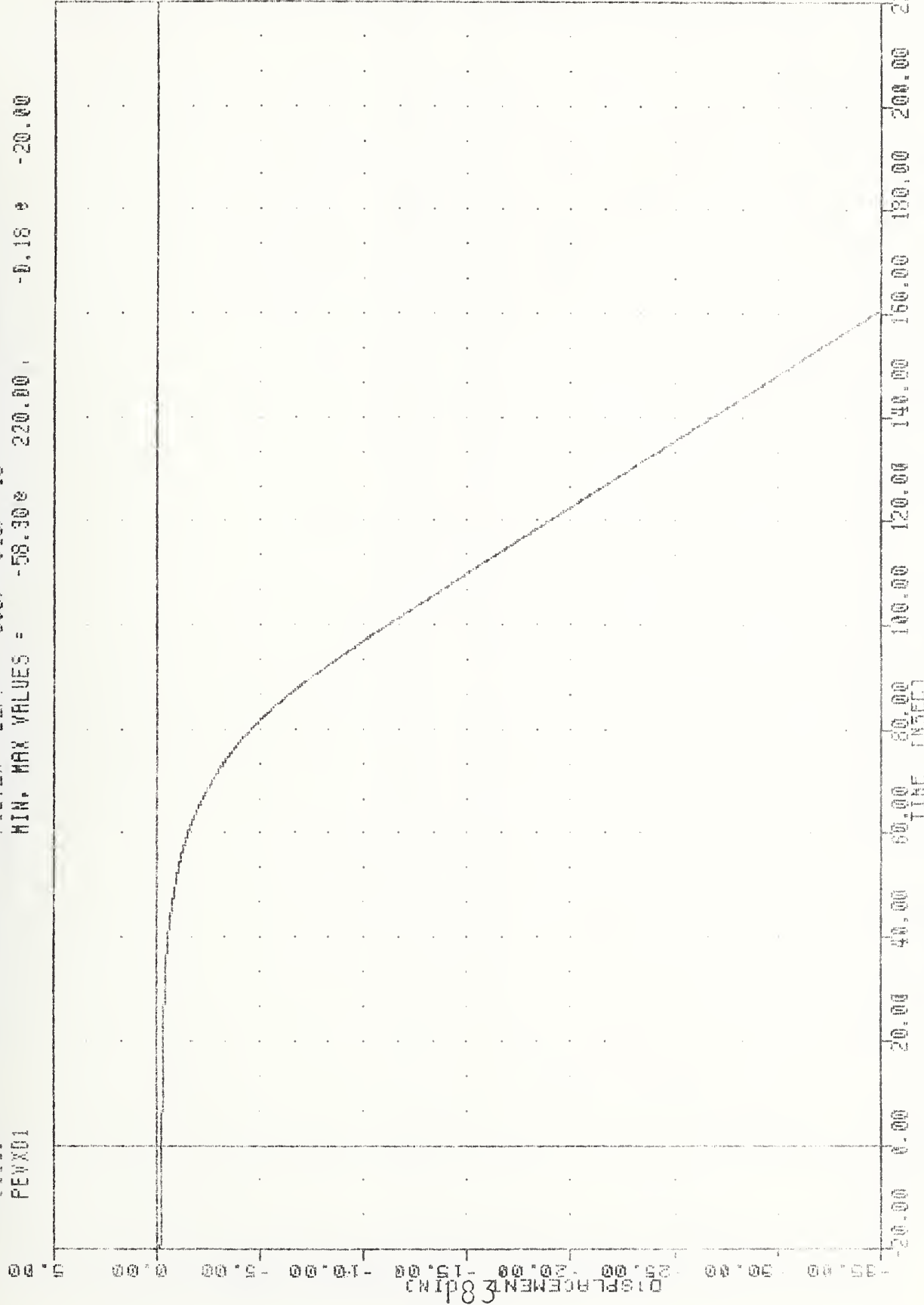
FILTER = 6LFF 300/ 949/ -40

MIN. MAX VALUES = -32.930 126.75 , -0.52 0 -2.88



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING PEV601

VRTC , FD354-4-13
 GREEN AIRRAG SLED PROGRAM
 85113
 PEVX01
 PRINT DATE 25-APR-85 14:13:52
 FILTER = 6LFF 300/ 949/ -40
 MIN. MAX VALUES = -58.30e 220.00 , -0.18 e -20.00

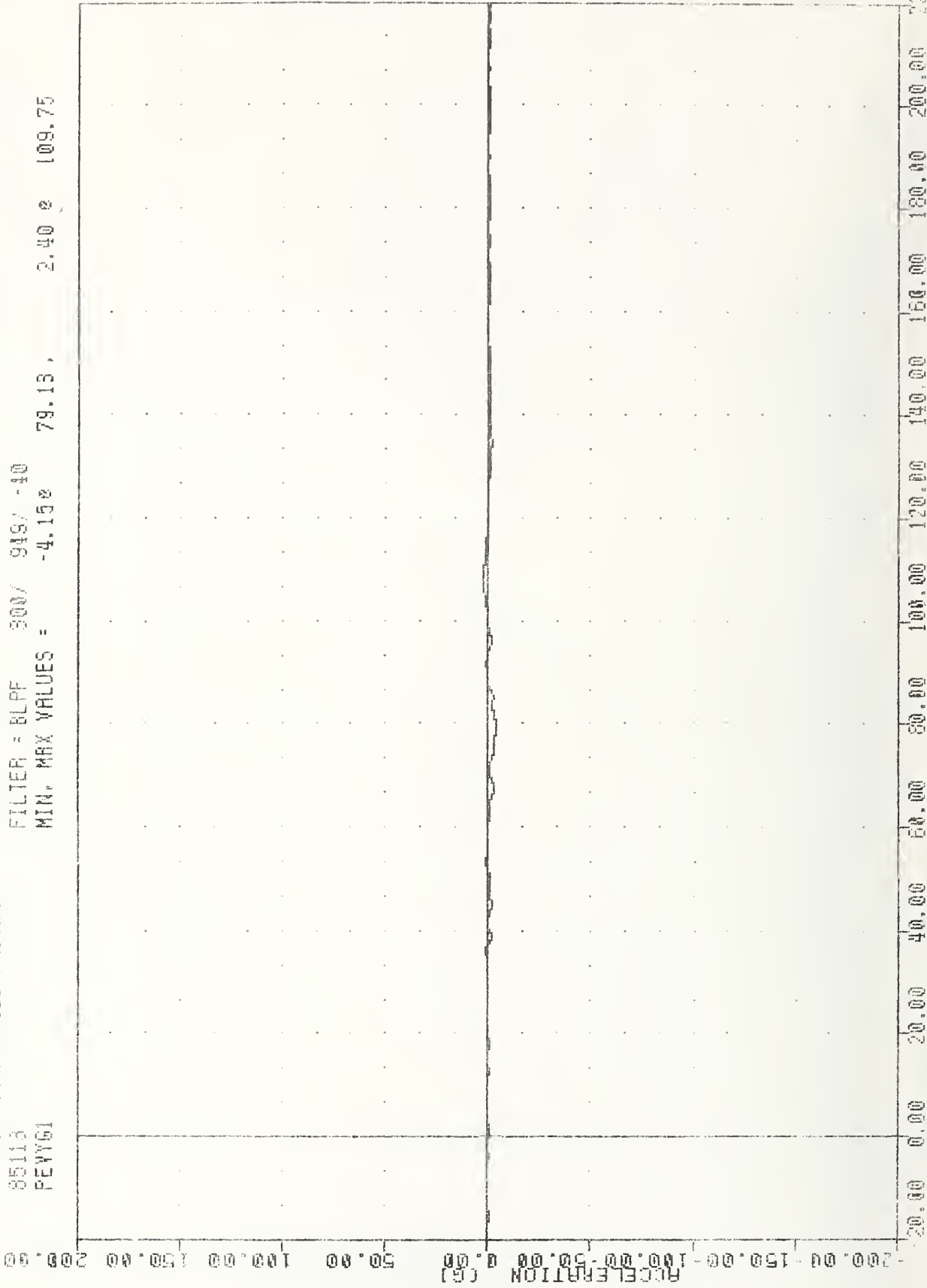


CHEVROLET IMPRA ALED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 2018 A11516 PEVXVI

VRTC , 60304-Y 1A
 BREED AIRBAG SLED PROGRAM
 85113
 PEWY61

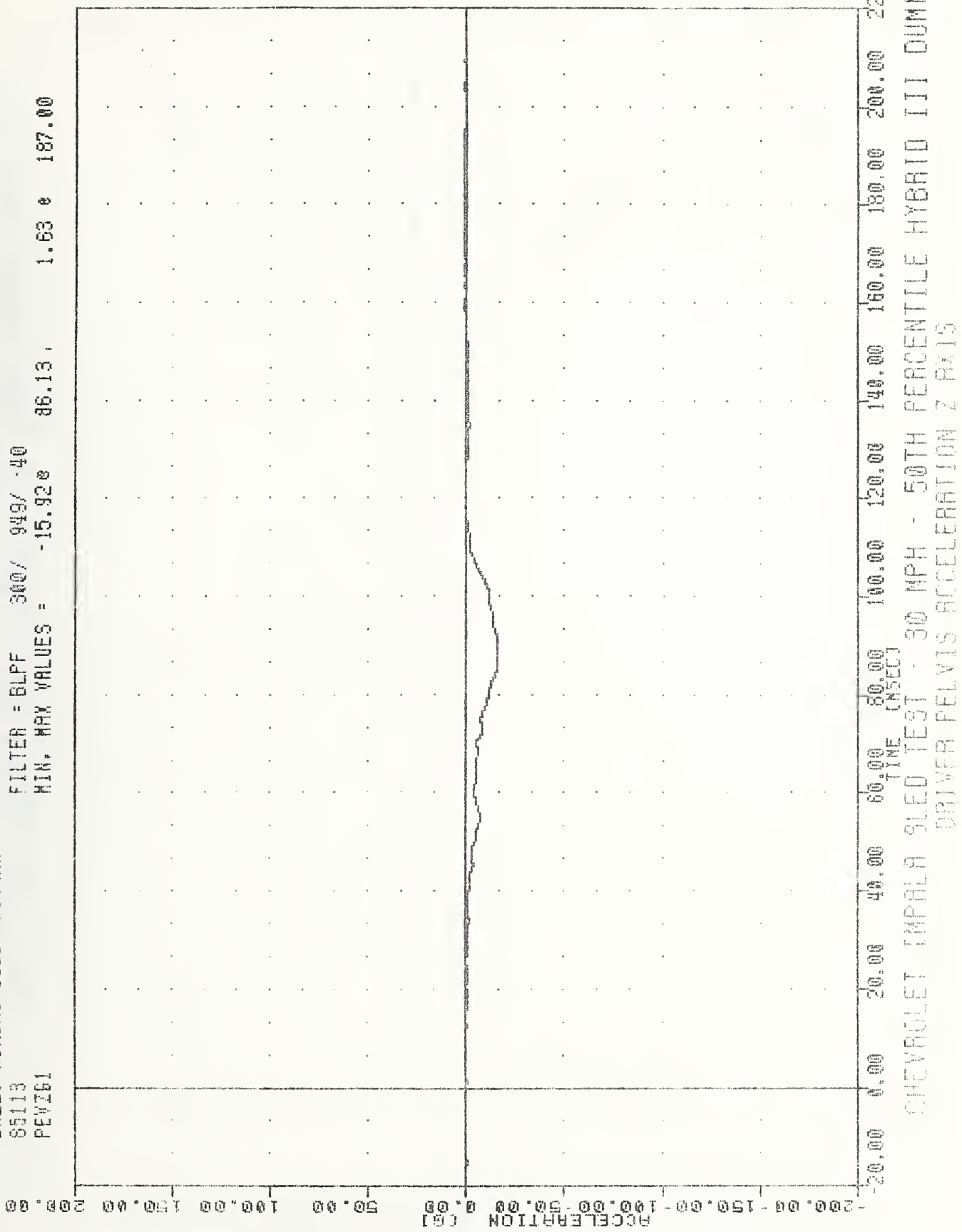
FLOT DATE 26-APR-86 12:52:23

FILTER = BLPF 300/ 919/ -10
 MIN, MAX VALUES = -4.15% 79.13, 2.40% 109.75



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (SEC)
 CHEVYLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 BREED PEWY61 ACCELERATION Y AXIS

V611 , R0364-4-16 PLOT DATE 25-APR-85 12:52:23
 BREED AIRBAG SLED PROGRAM
 85113 FILTER = BLPF 300/ 949/ 40
 PEVZ61 MIN, MAX VALUES = -15.92e 86.13, 1.63 e 187.00

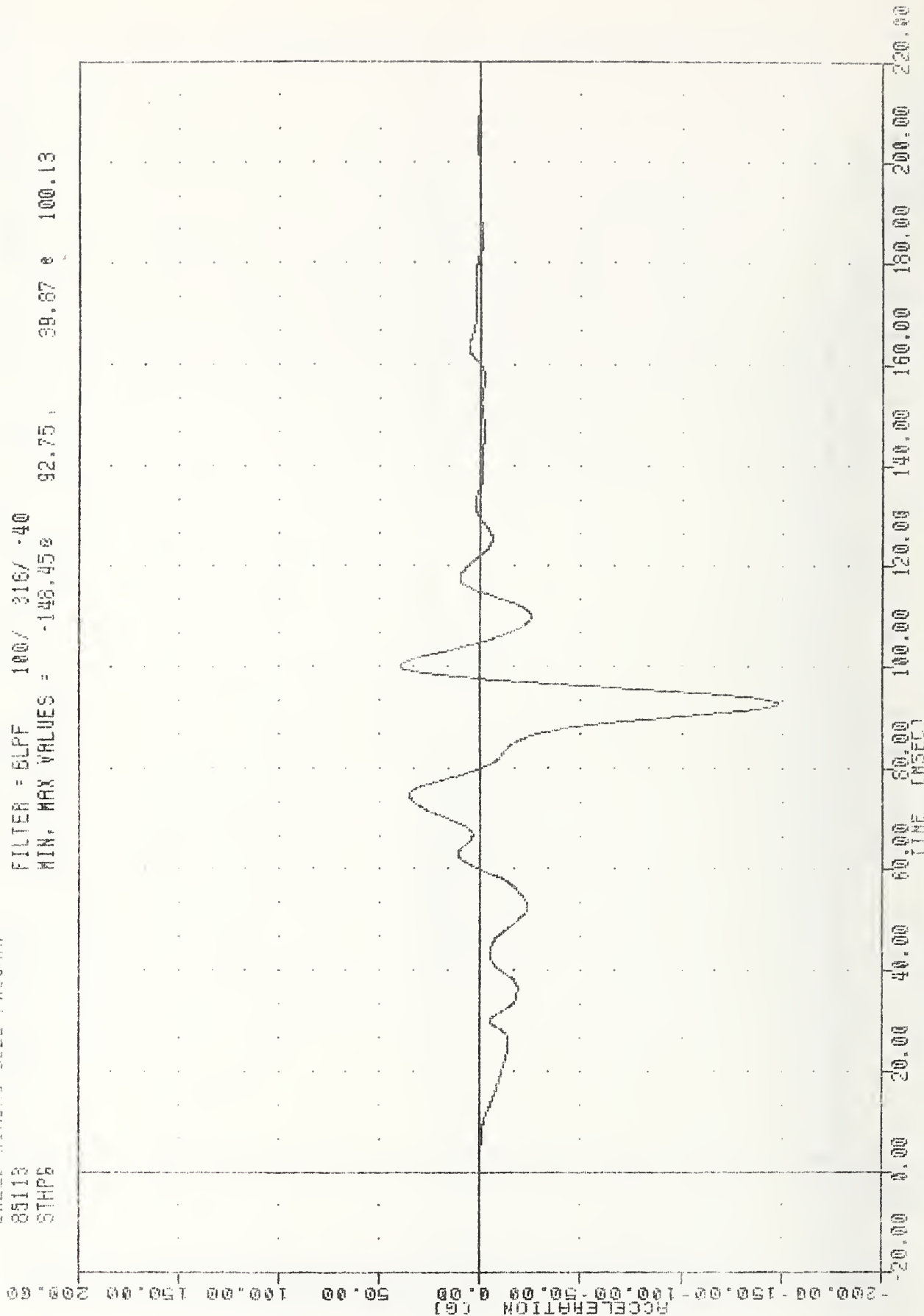


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VATC
BREED AIRBAG SLED PROGRAM
85113
STHPS

PLOT DATE 25-APR-85 12:52:23

FILTER = 5LPF 100/ 316/ -40
MIN. MAX VALUES = -148.45e 92.75, 39.87 e 100.13

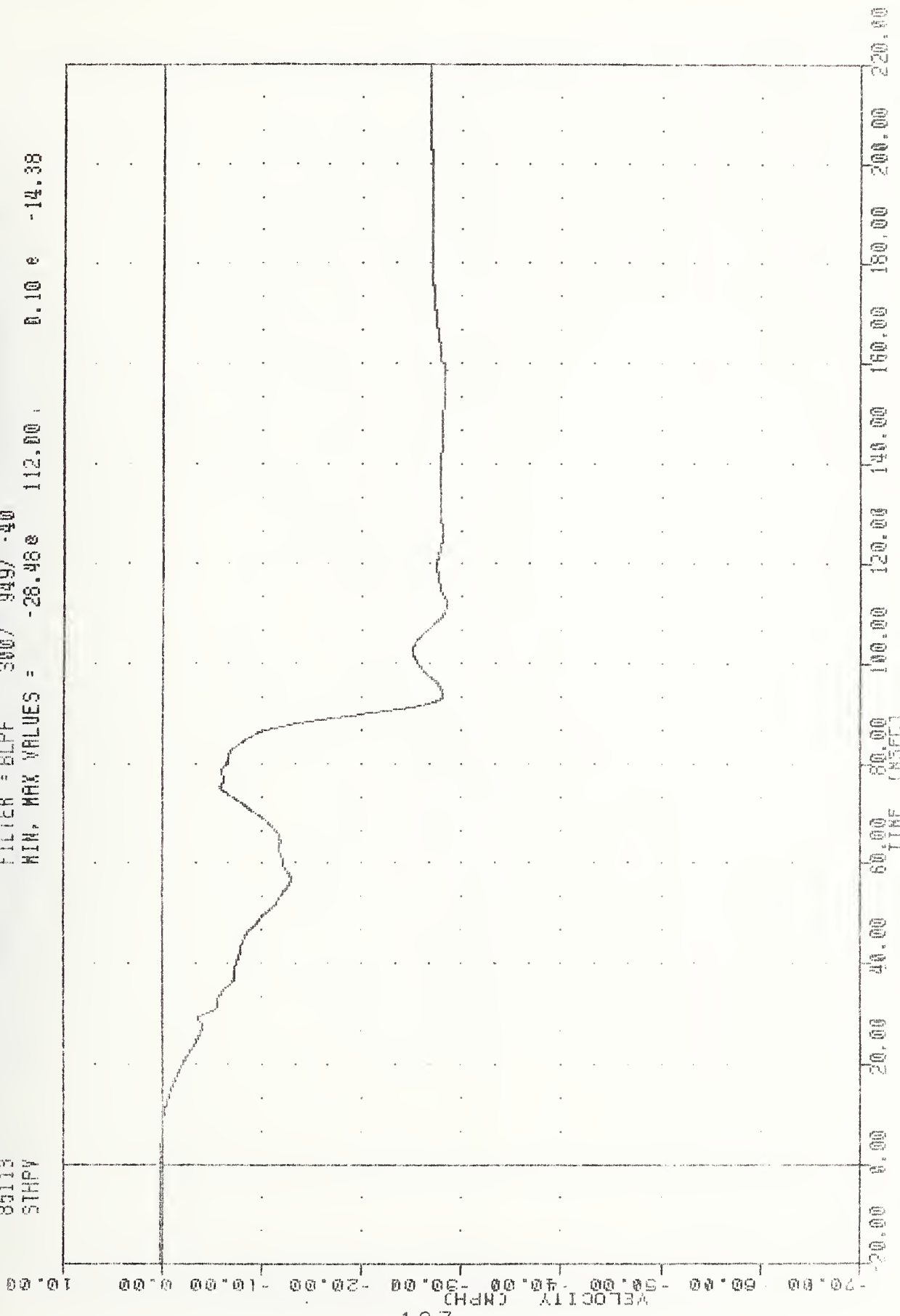


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

WATC RD364-4-18
BREC0 AIRBAG SLED PROGRAM
85113
STHPV

PLUT DATE 25-APR-85 14:13:52

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -28.48e 112.00 0.10 e -14.38



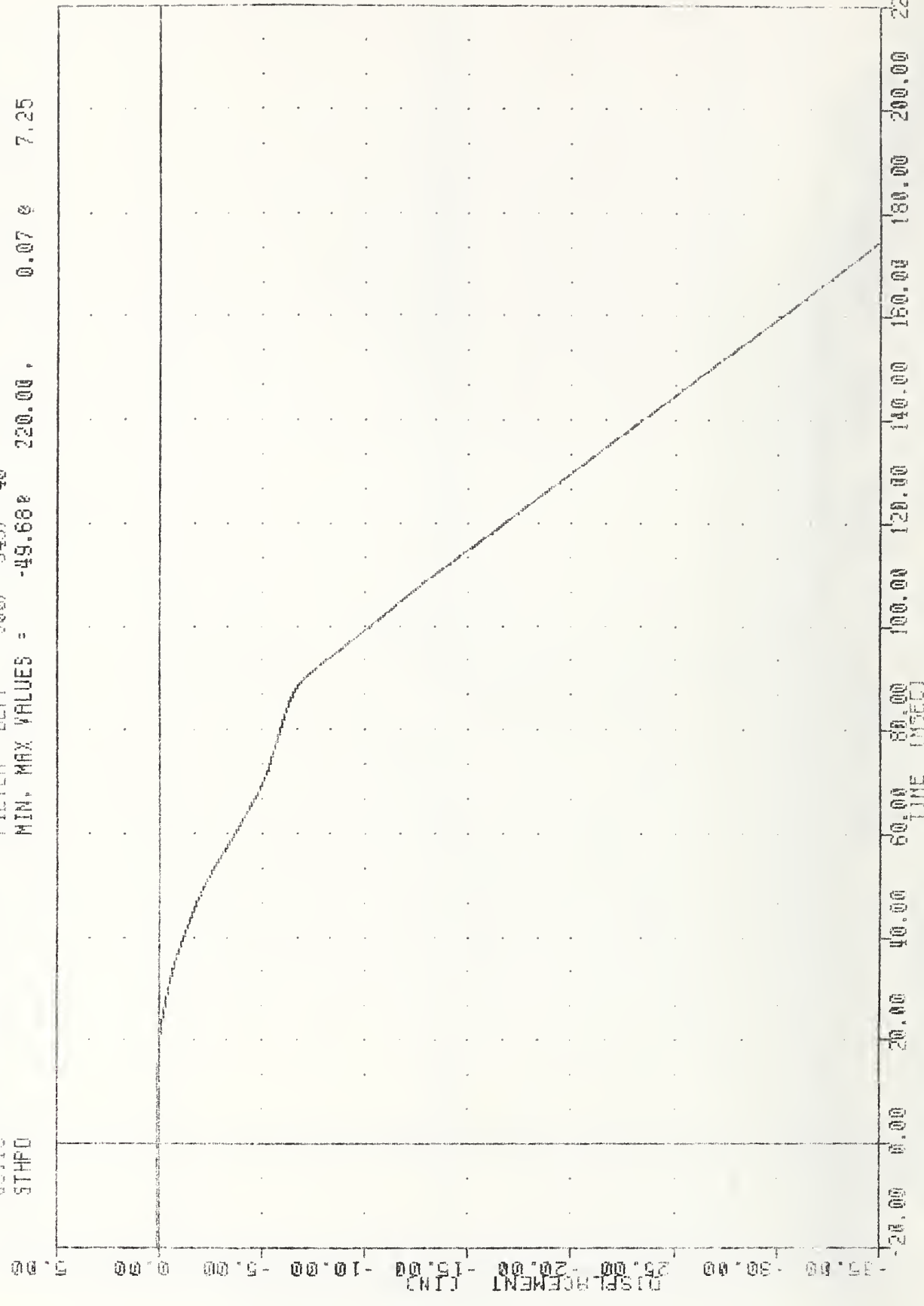
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DC-10 V USING STHPG

85113
 STHPO
 BREED IMPRAG SLED PROGRAM
 R0509-4-16

PLOT DATE 25-APR-85 14:13:52

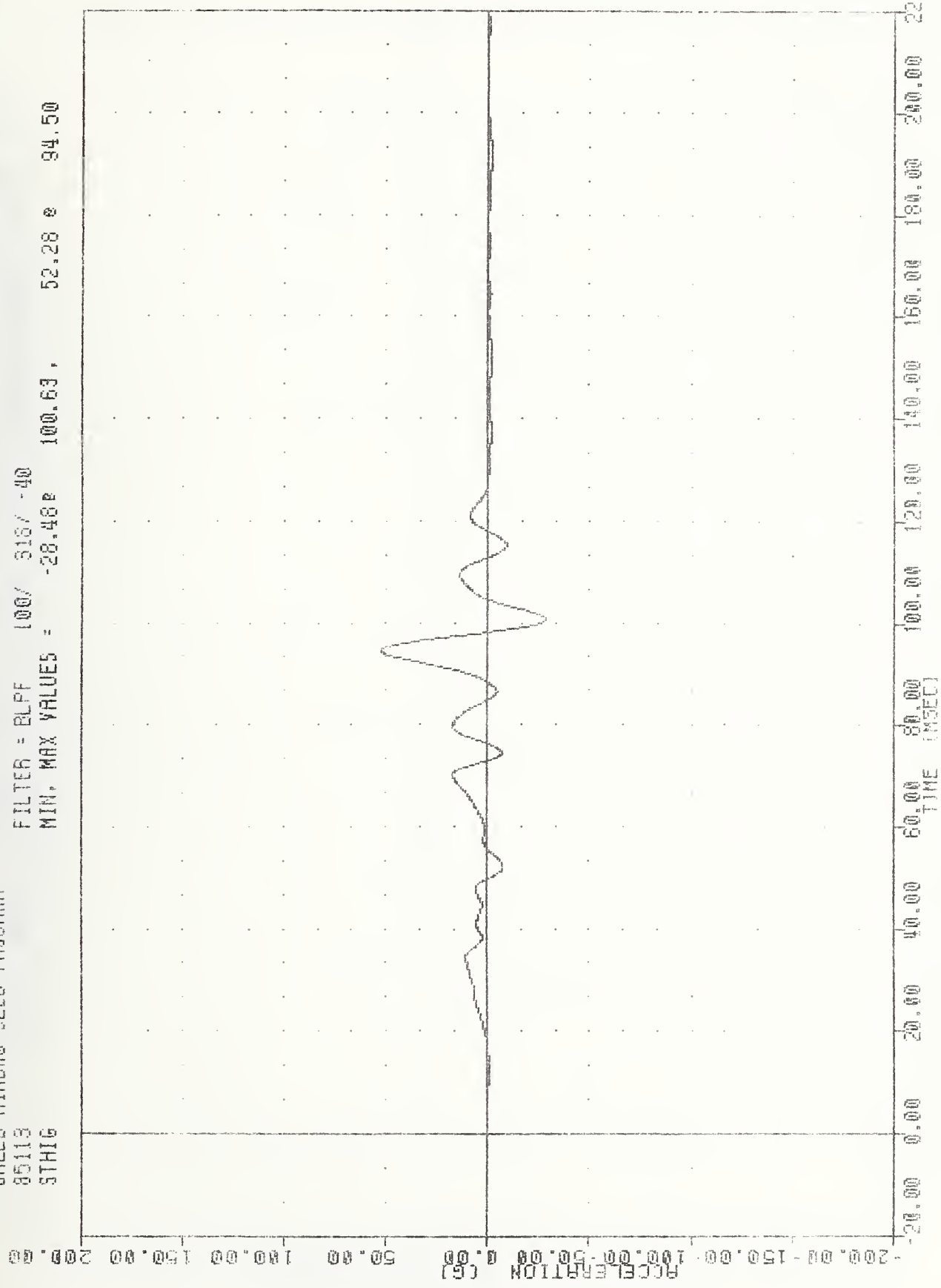
FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -49.68e 220.00 0.07 e 7.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DELETED USING STHPV

VRTC . R0364-4-16 PLOT DATE 25-APR-65 12:52:28
 BREED AIRBAG BLEED PROGRAM
 85113 FILTER = BLPF 100/ 515/ -40
 STHIG MIN. MAX VALUES = -28.48e 100.63, 52.28 e 94.50



CHEVROLET IMPALA BLEED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 OPERATOR COLUMN AIR ACCELERATION 1'S AXIS

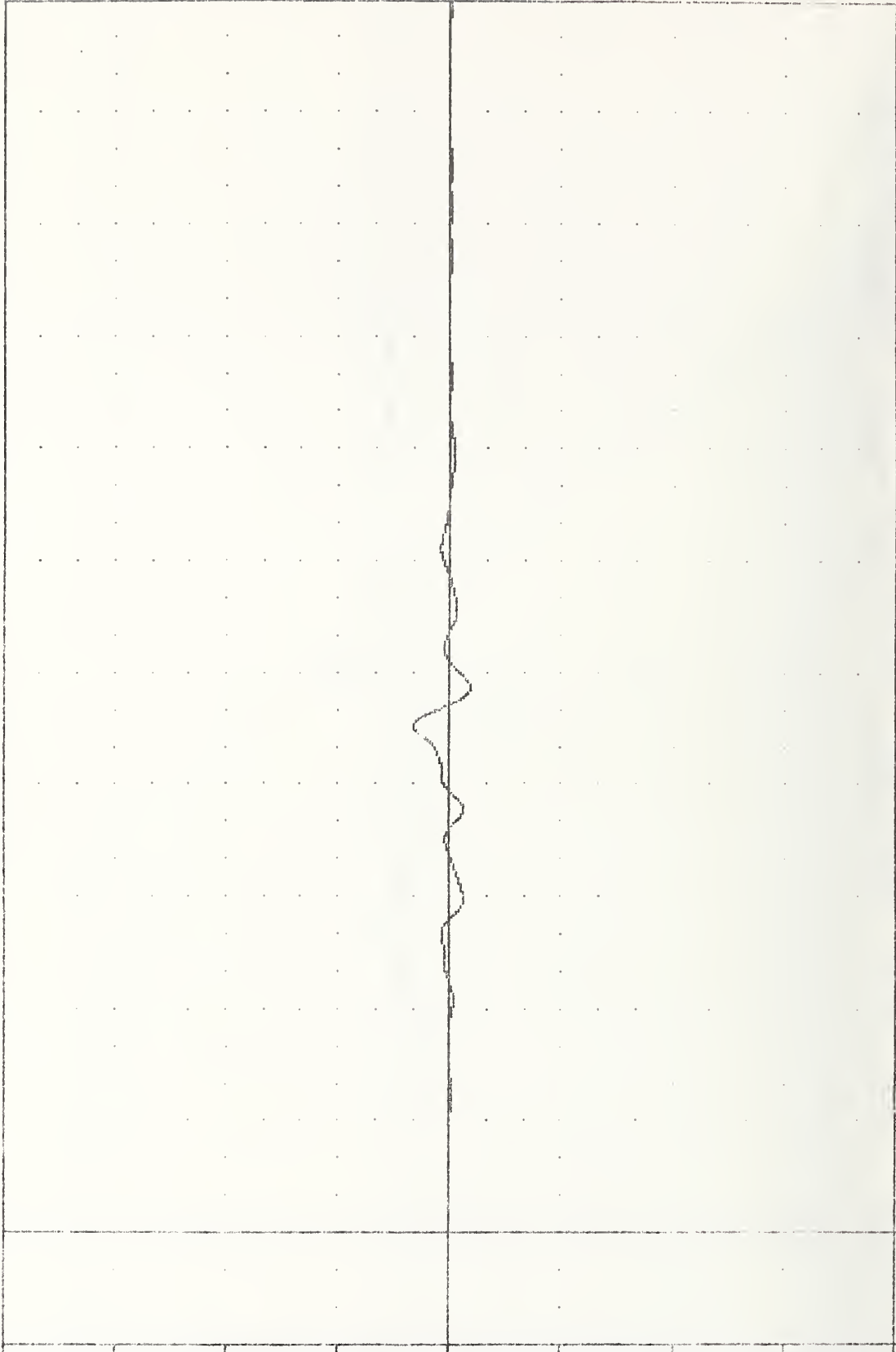
061
BASED AIRBAG SLED PROGRAM
83118
STHL6

PLOT DATE 25-APR-85 12:52:28

FILTER = 6LFF 100/ 316/ -40

MIN, MAX VALUES = -9.11% 97.25, 16.30 & 90.38

ACCELERATION (G)

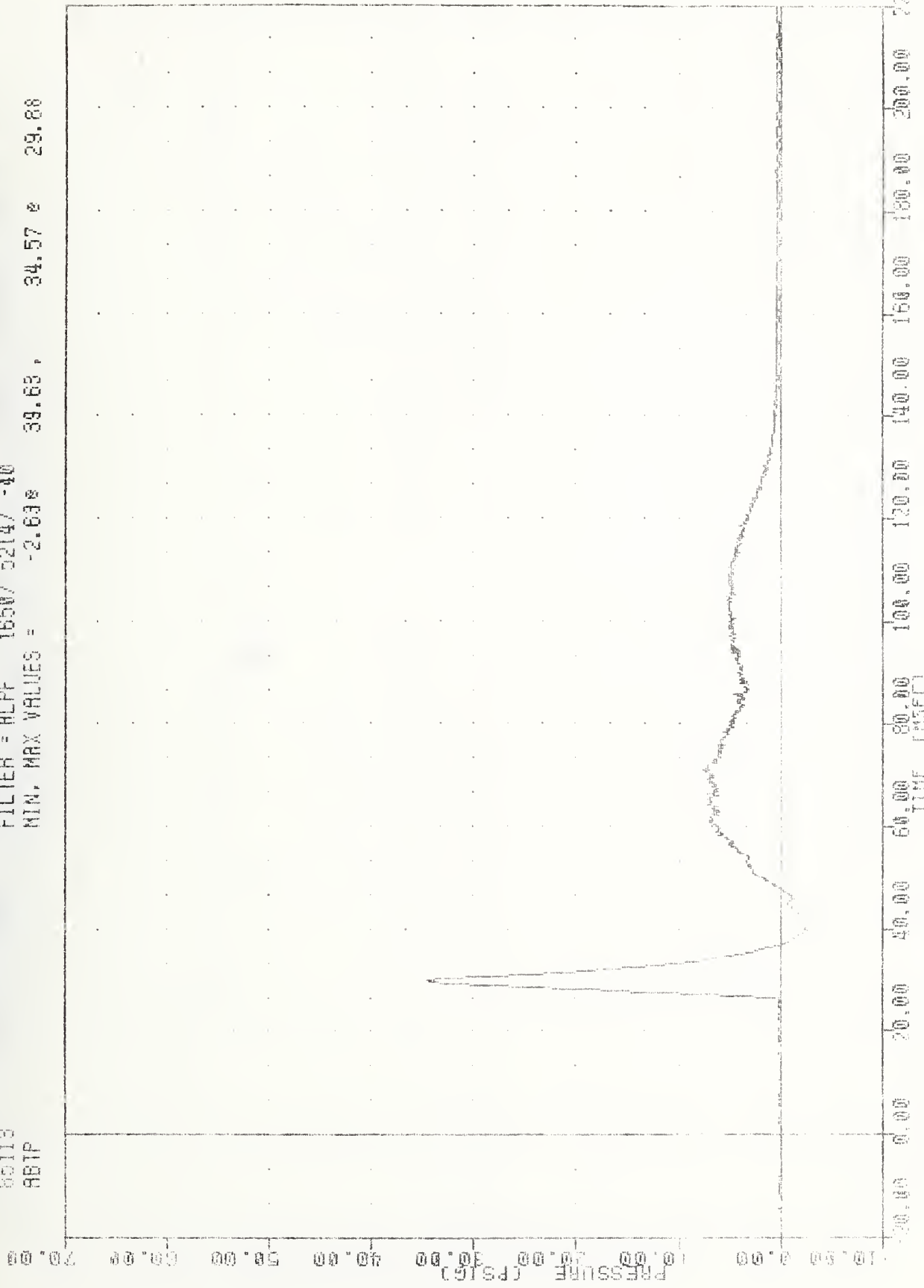


CHEVROLET IMPACT SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
ACCELERATION (G) - X AXIS

VRIC
DRECO AIRBAG SLED PROGRAM
05113
ABTP

PLOT DATE 25-APR-85 12:52:28

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 39.63, 34.57 @ 29.88



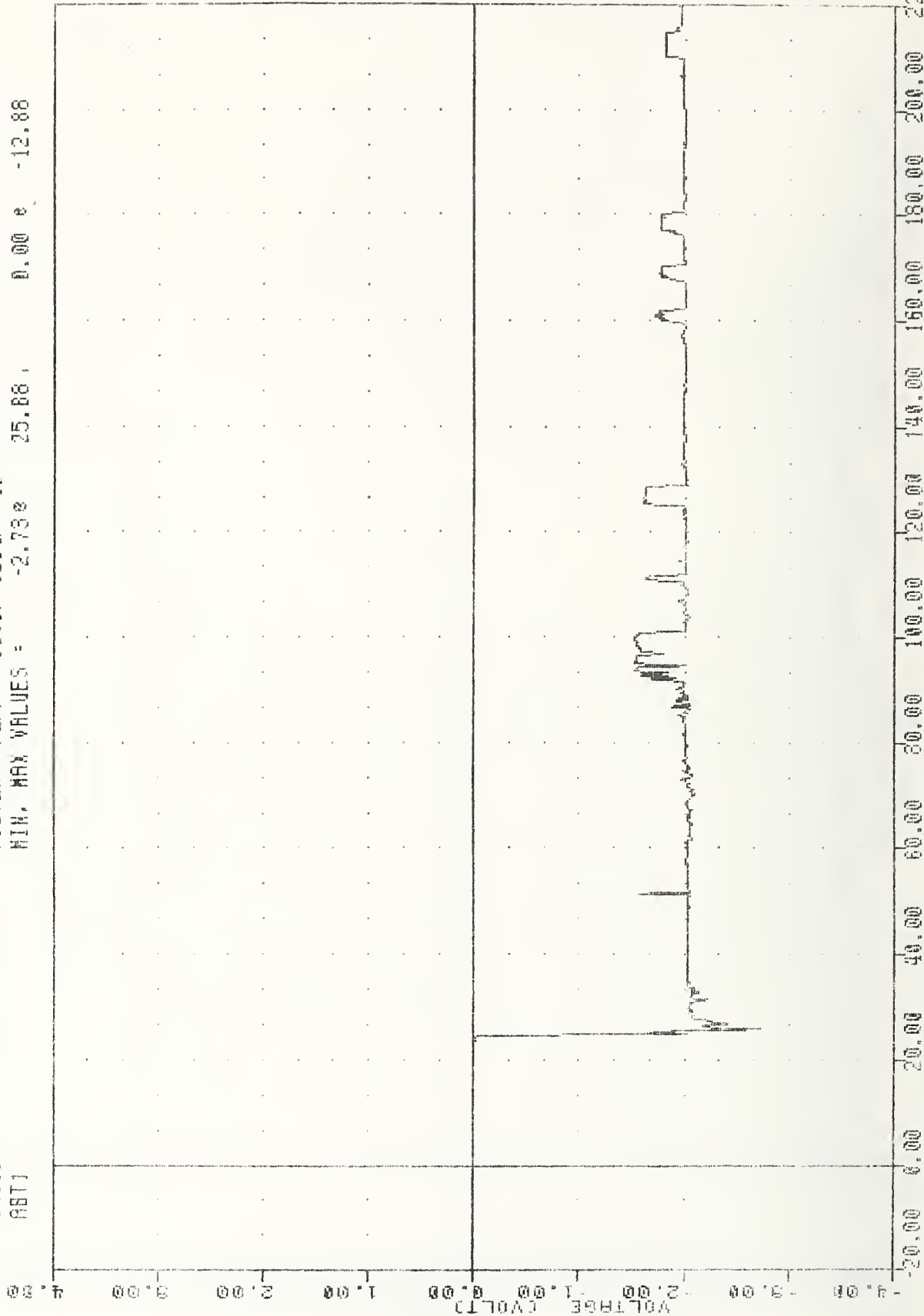
INCH/101 FT (MERCUR SLED TEST) - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
AT 9000 GPM/HR

VATC : R0384-4-10
GREEN AIRBAG SLED PROGRAM
85113
ASTJ

PLAT GATE 25-APR-85 12:52:28

FILTER : ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.73e 25.88 , 0.00 e -12.88

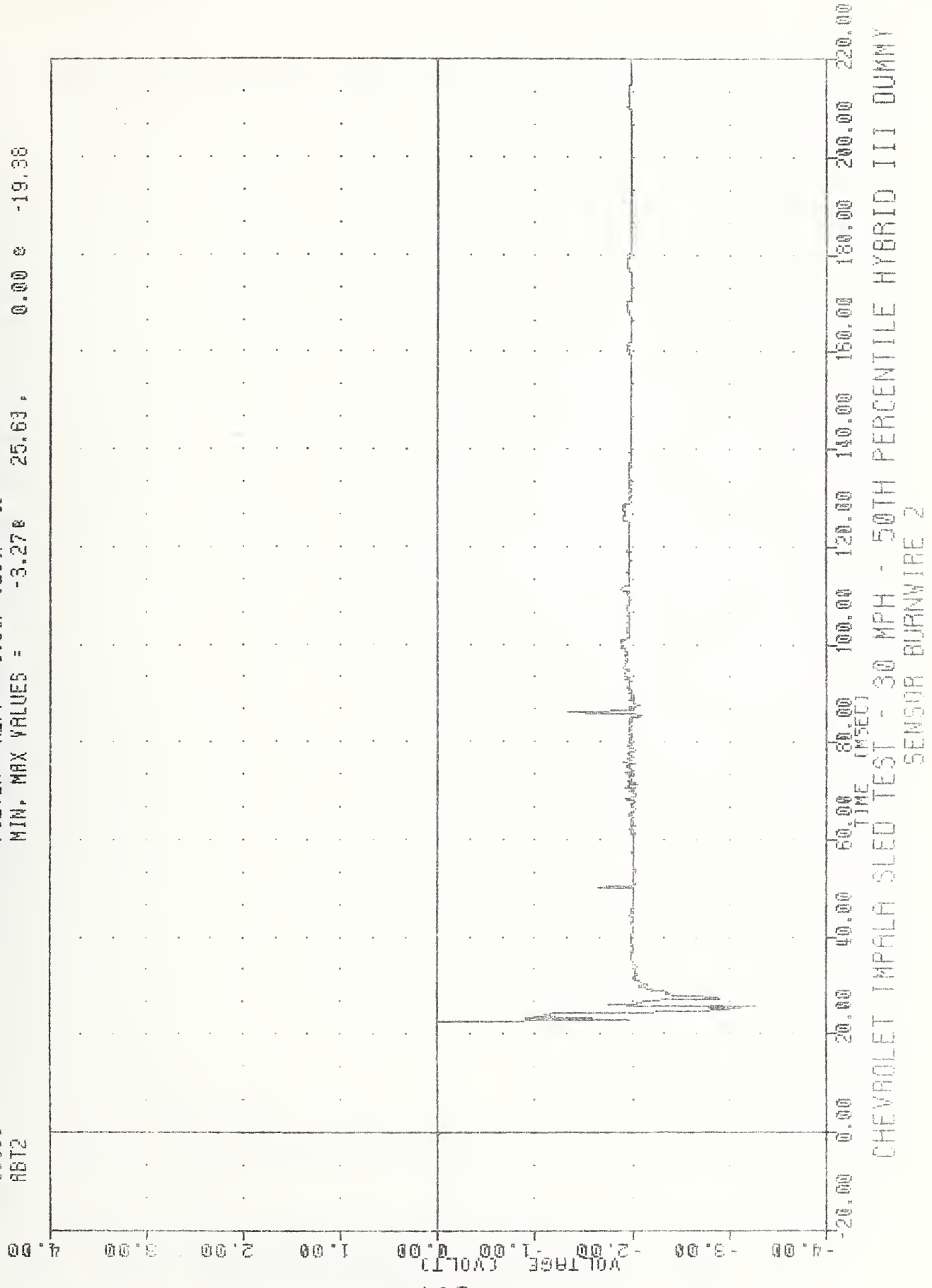


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SENSOR BURNWIRE 1

V8TC
BREED AIRBAG SLED PROGRAM
85113
88T2

PLOT DATE 25-APR-85 12:52:25

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -3.27e 25.63, 0.00 e -19.38

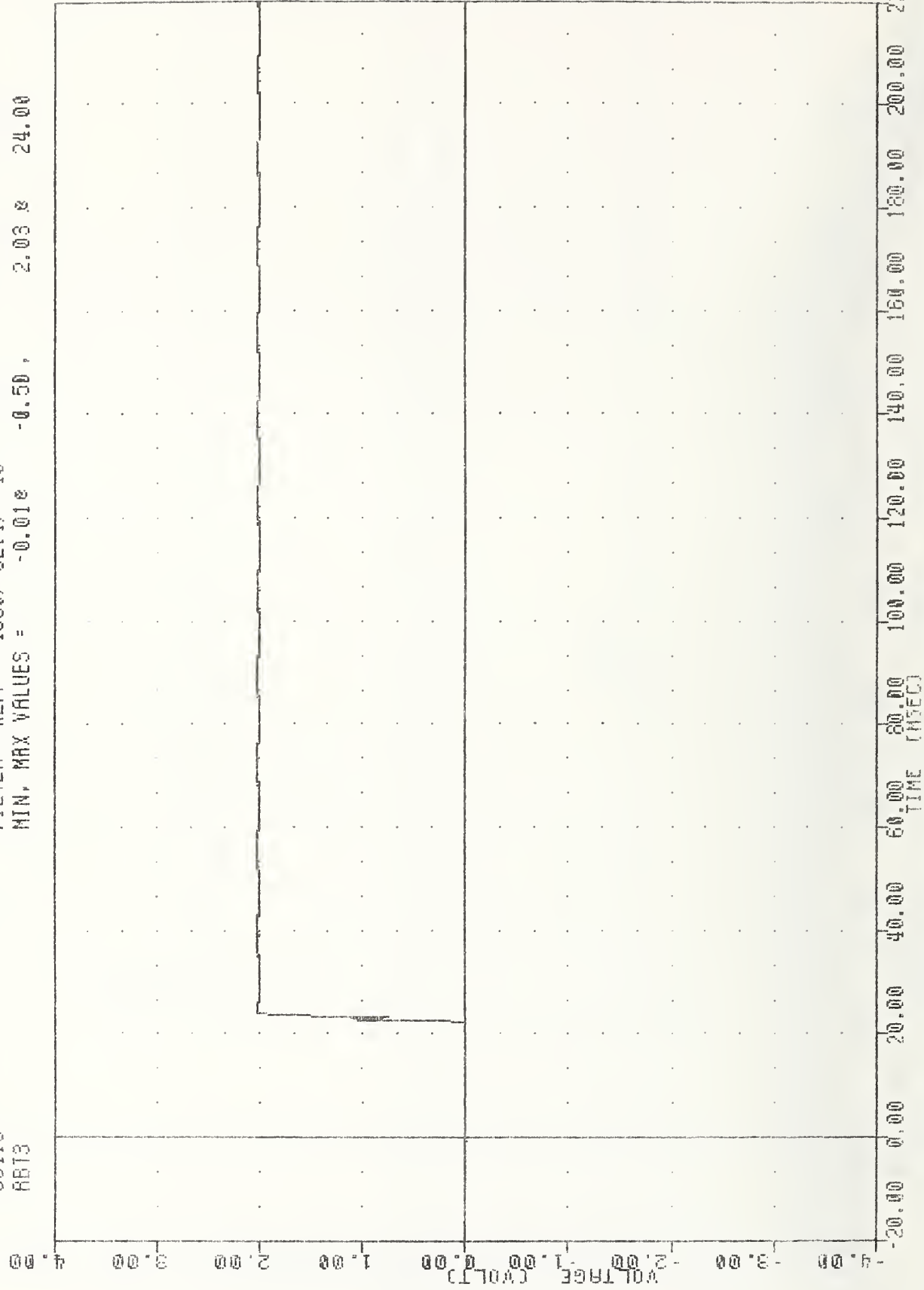


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SENSOR BURMWIRE 2

VBTC . RD384-4-18
 BREED AIRBAG SLED PROGRAM
 85113
 RBT3

PLOT DATE 25-APR-85 12:52:28

FILTER = ALFF 1650/ 5214/ -40
 MIN. MAX VALUES = -0.01e -0.50 , 2.03 e 24.00



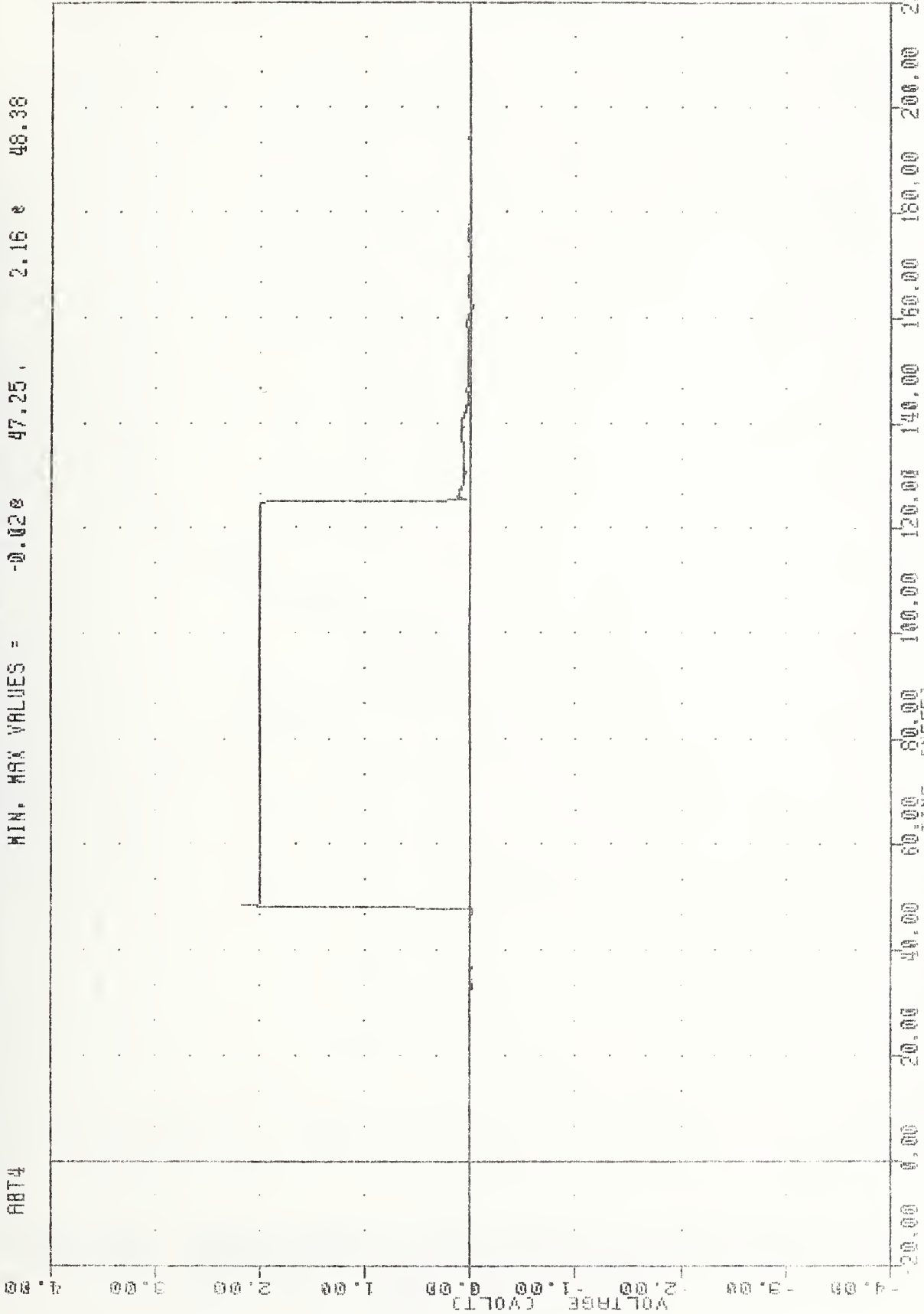
CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
 BREED B-PILLAR SENSOR

VATC , AD384-4-18
BAREED AIRBAG SLED PROGRAM
85113
ABT4

PLOT DATE 25-APR-85 12:52:23

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.028 47.25 , 2.16 e 48.38

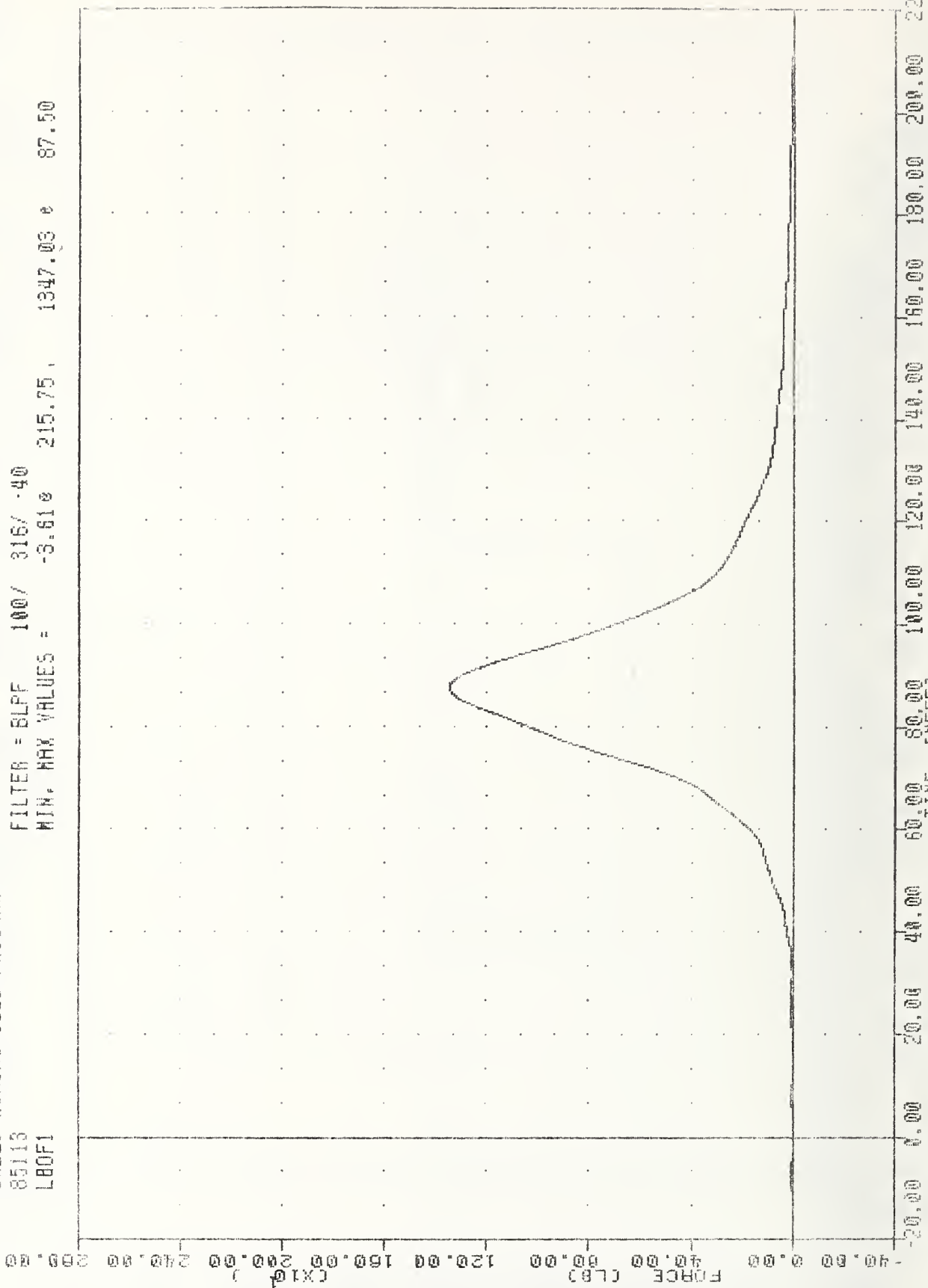


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
KNEE CONTACT

WATC 80384-4-12
 BREED AIRBAG SLED PROGRAM
 85113
 LBOF1

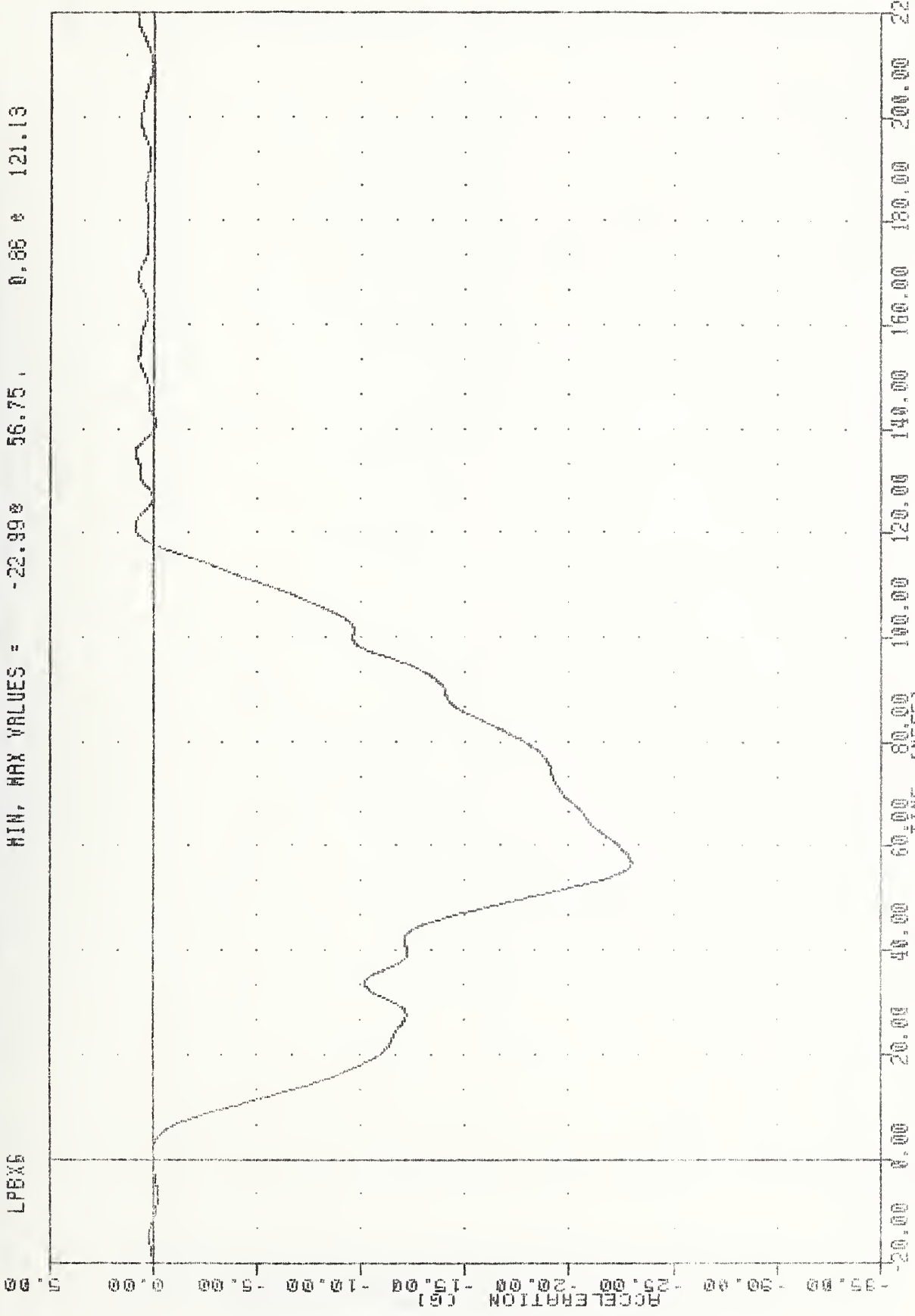
PLOT DATE 29-APR-85 15:41:45

FILTER = BLFF 100/ 316/ -40
 MIN. MAX VALUES = -3.61e 215.75, 1347.03 e 87.50



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER LAP BELT FORCE L35

VRTC , R0384-4-10 PLOT DATE 25-APR-85 12:52:23
 BREED AIRBAG SLED PROGRAM
 85113 FILTER = 5LFF 100/ 316/ -40
 LPEX6 MIN, MAX VALUES = -22.99* 56.75 , 0.86 * 121.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 PILLAR LEFT B ACCELERATION X AXIS

VRIC , RD384-4-18
BREED AIRBAG SLED PROGRAM
85113
LPBXV

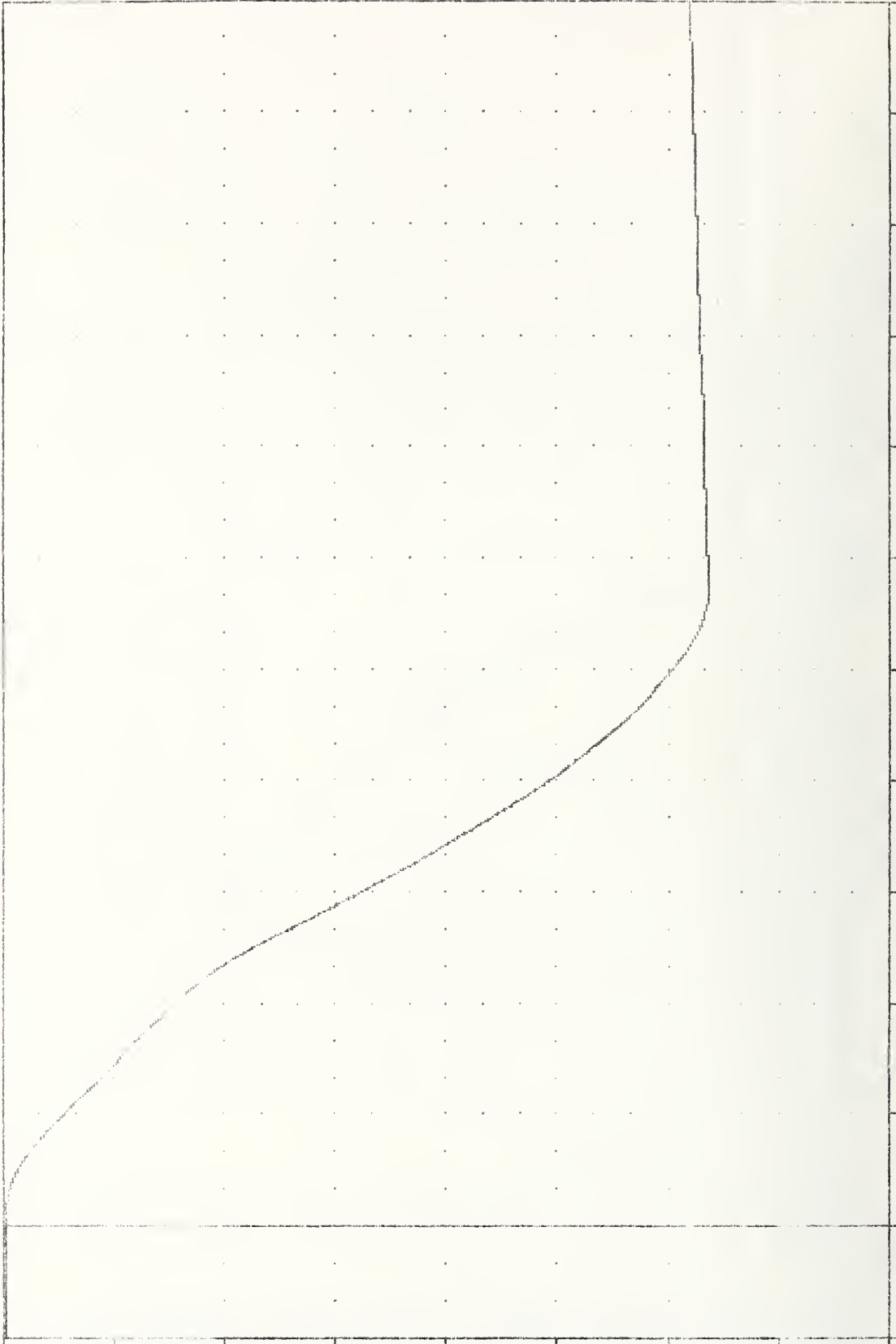
PLOT DATE 25-APR-85 14:13:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -31.88e 114.50, -0.11 e -15.38

VELOCITY (MPH)

0.00 5.00 10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00

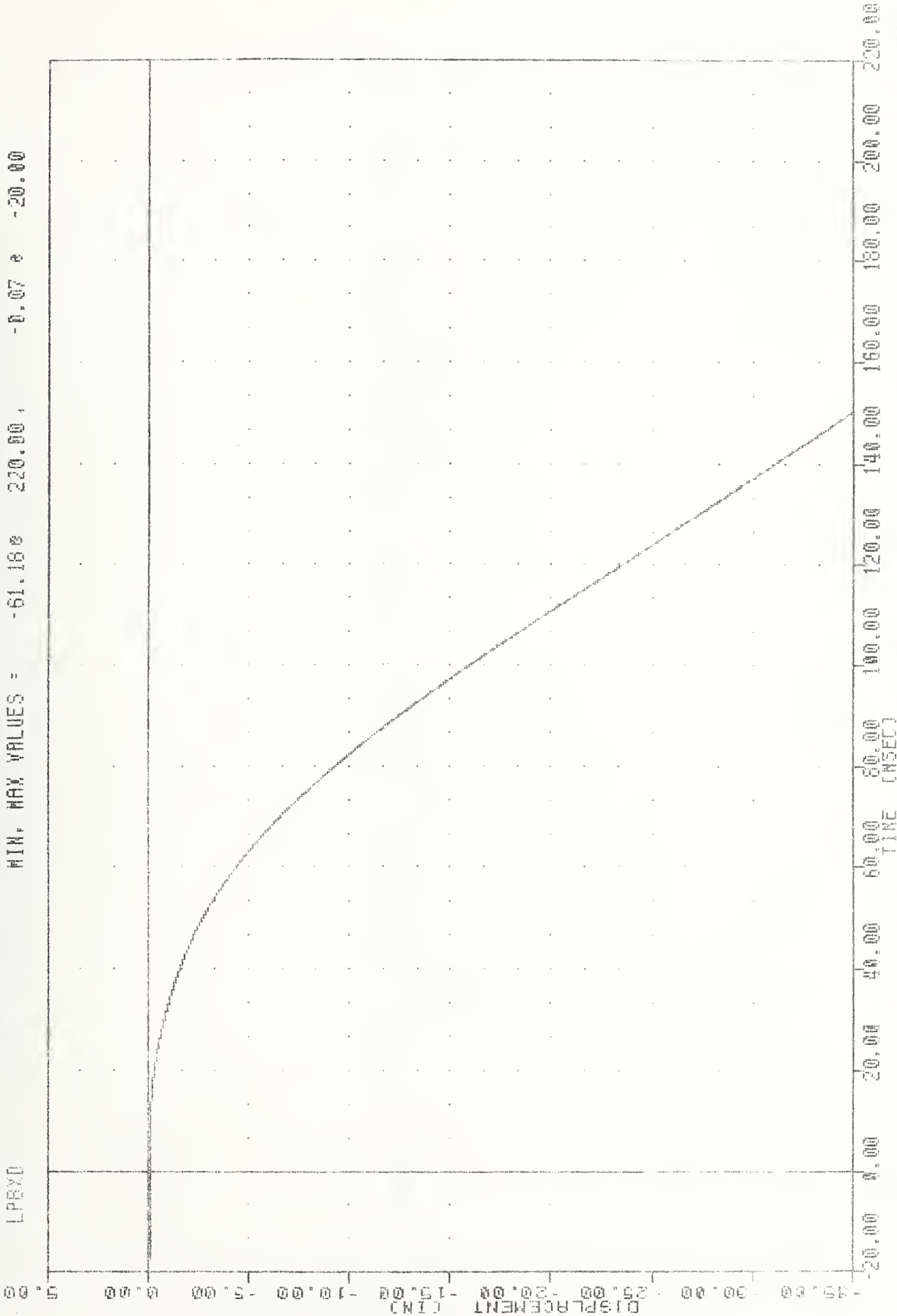


CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DATA Y 188100-1 P006

VATE , 60304-510
 BREED AIRBAG SLED PROGRAM
 85113
 LPEXD

PLOT DATE 25-APR-85 14:13:52

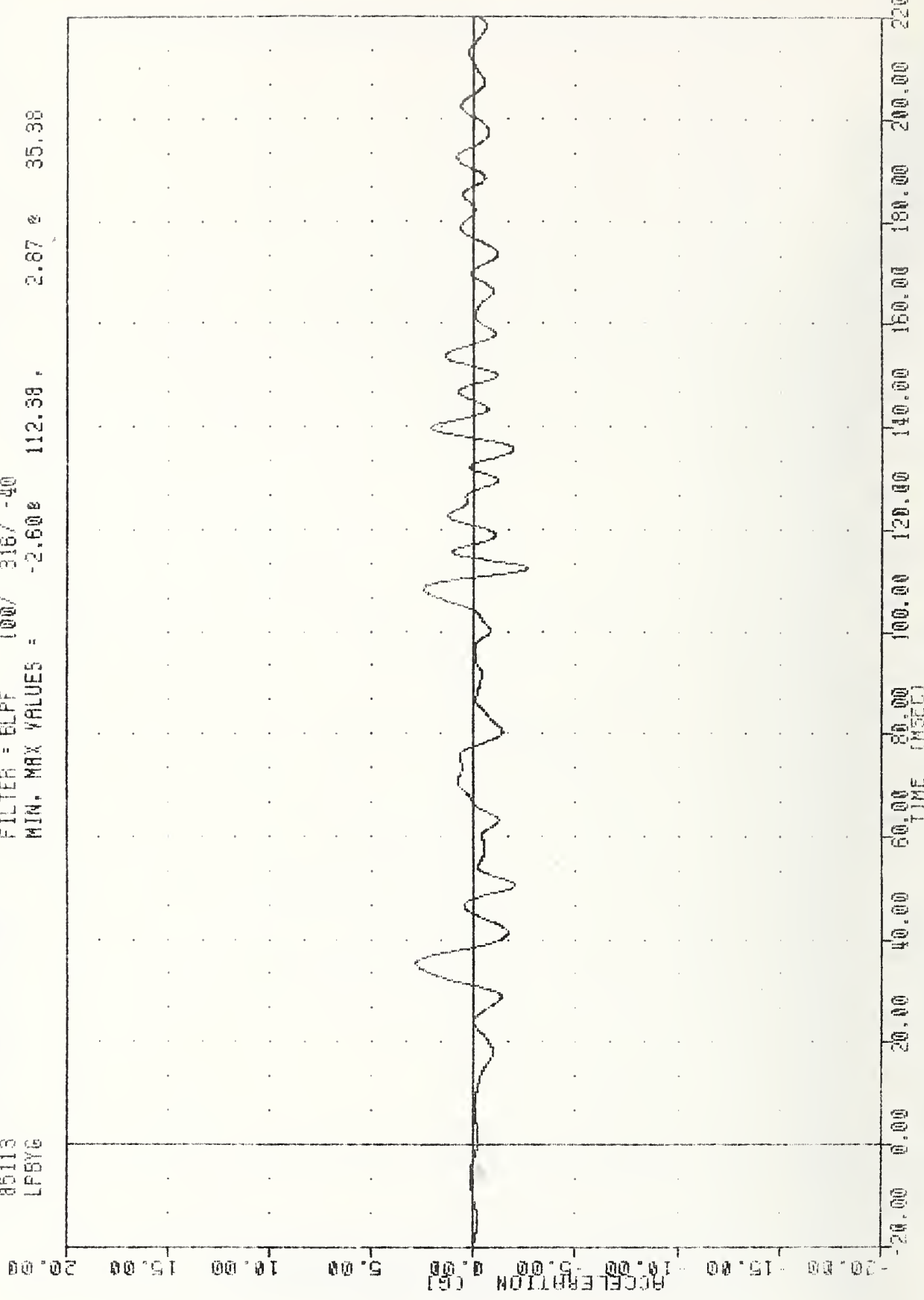
FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -61.18 220.00 , -0.07 e -20.00



CHEVROLET IMPALA SLED TEST 70 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DELTA X USING LPPXV

VRTC , R0384-1-10
BREED AIRBAG SLED PROGRAM
05113
LFBYG

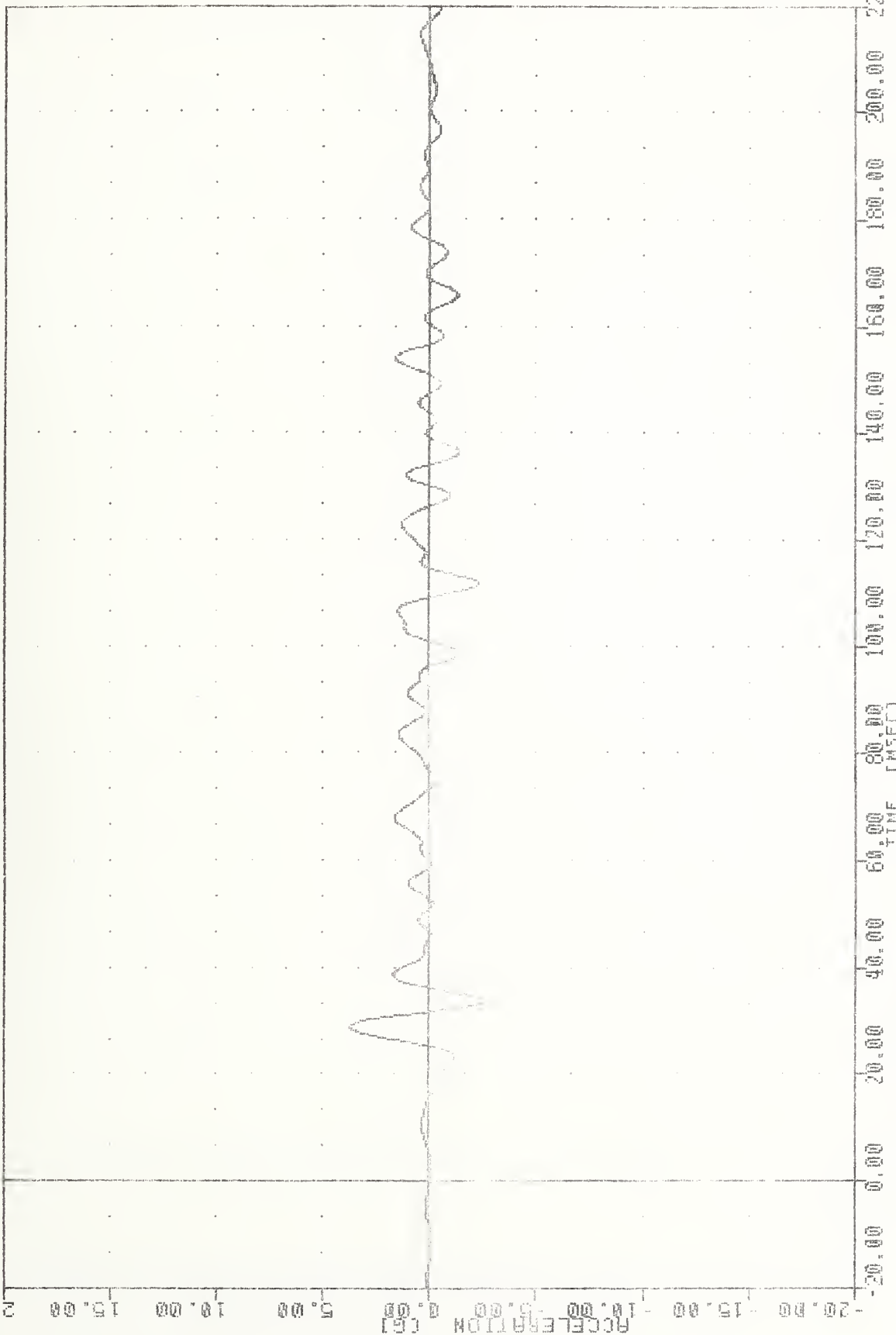
PLUT DATE 25-APR-85 12:52:23
FILTER = 6LFF 100/ 316/ -40
MIN. MAX VALUES = -2.60g 112.58g 2.87g 35.38



200

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT R ACCELERATION Y AXIS

VRTC , RD384-4-18 PLOT DATE 25-APR-85 12:52:23
 BREED AIRBAG SLED PROGRAM
 85113 FILTER = 6LPF 100/ 316/ -40
 LPBZG MIN, MAX VALUES = -2.55e 33.75, 3.71 e 28.88



201

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 FILLER LEFT B ACCELERATION Z AXIS

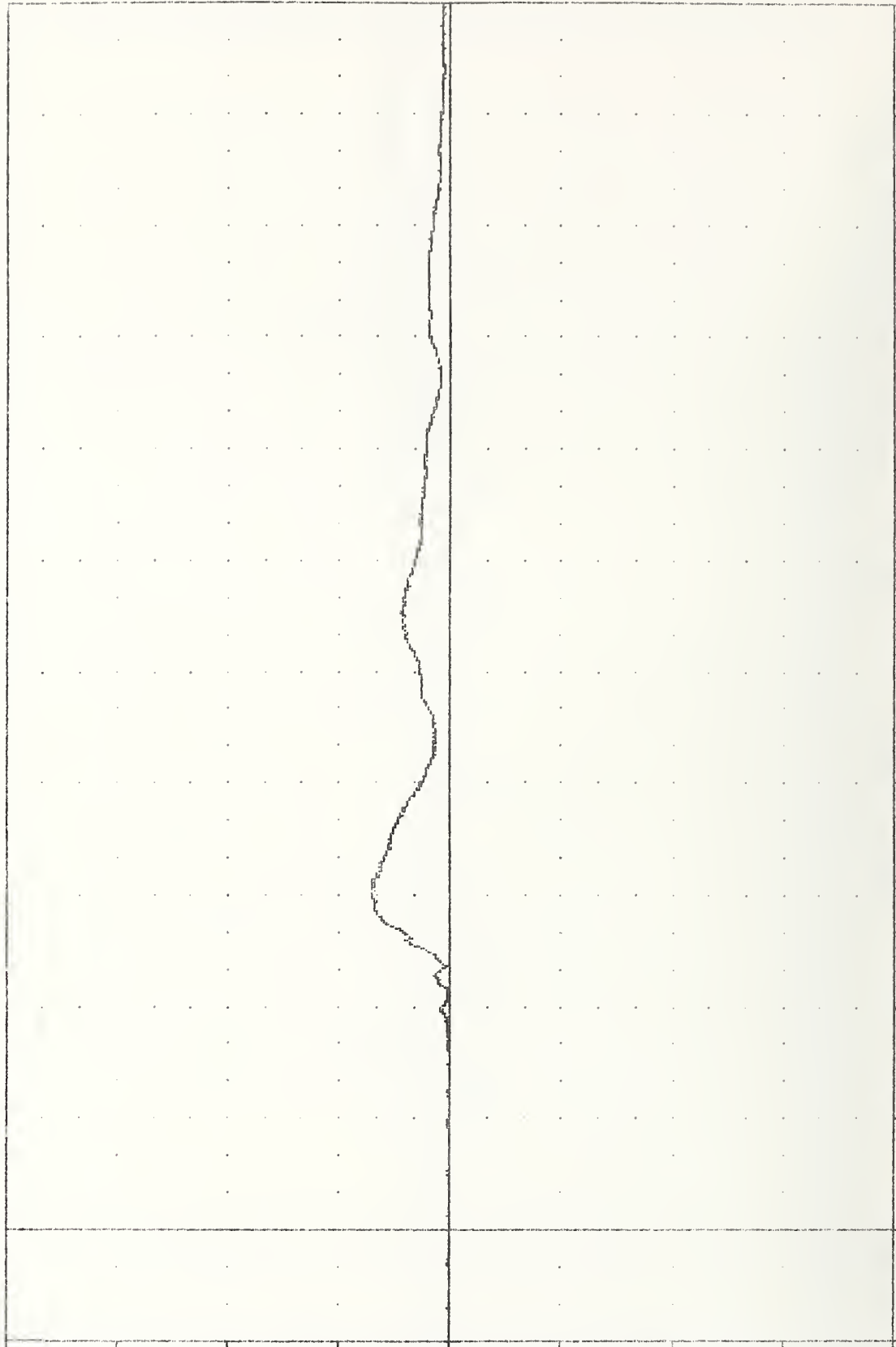
SPY
BREED AIRBAG SLED PROGRAM
85113
HEAD61

PILOT DATE 26-APR-85 08:56:37

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.04g 35.86 g 61.00

ACCELERATION (G)



200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00

TIME (MSEC)

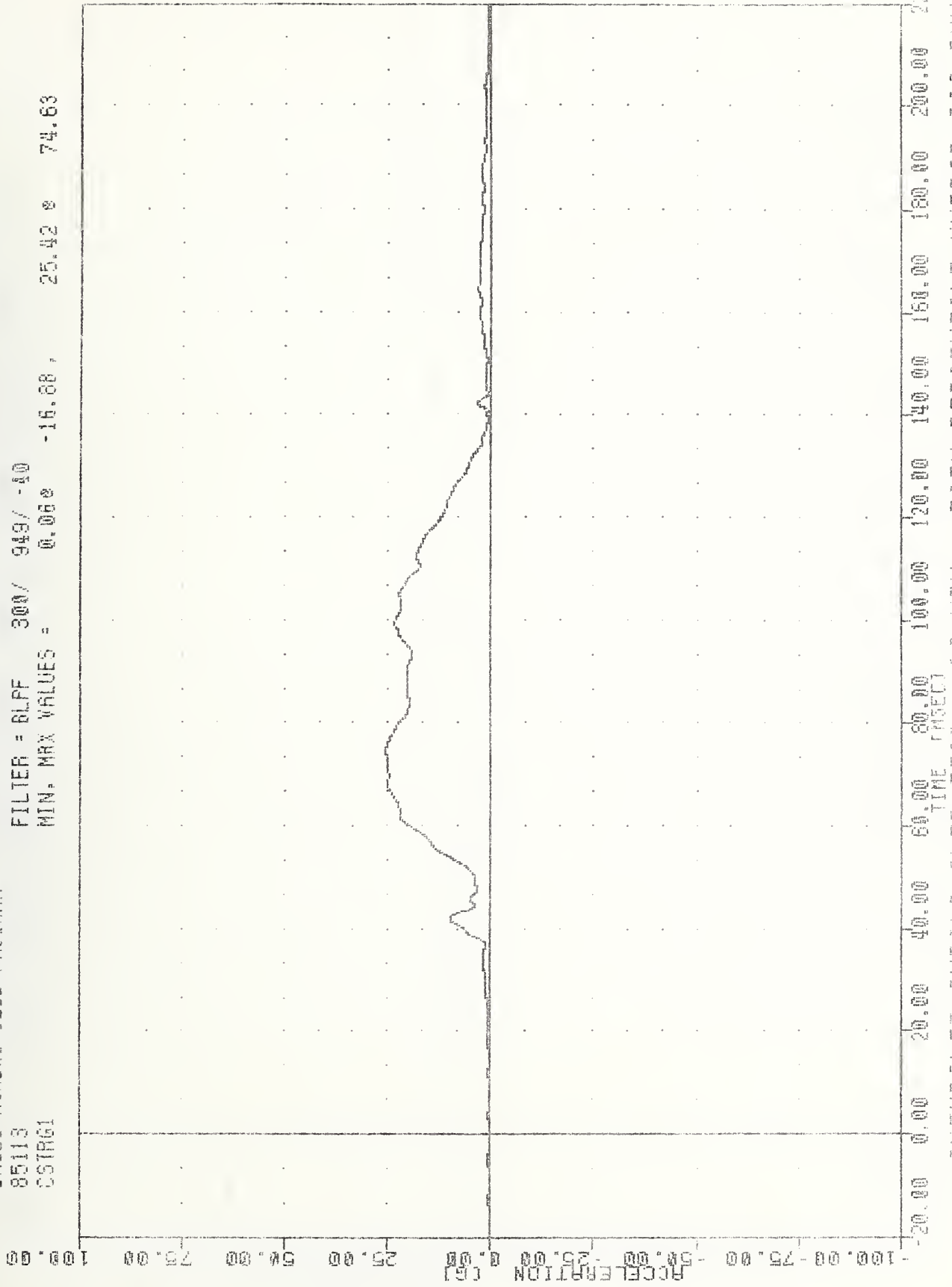
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD RESULTANT

VRTC , RD384-4-18
BREED AIRBAG SLED PROGRAM
85113
CSTR61

PLOT DATE 28-APR-85 08:56:37

FILTER = BLPF 300 / 949 / -40

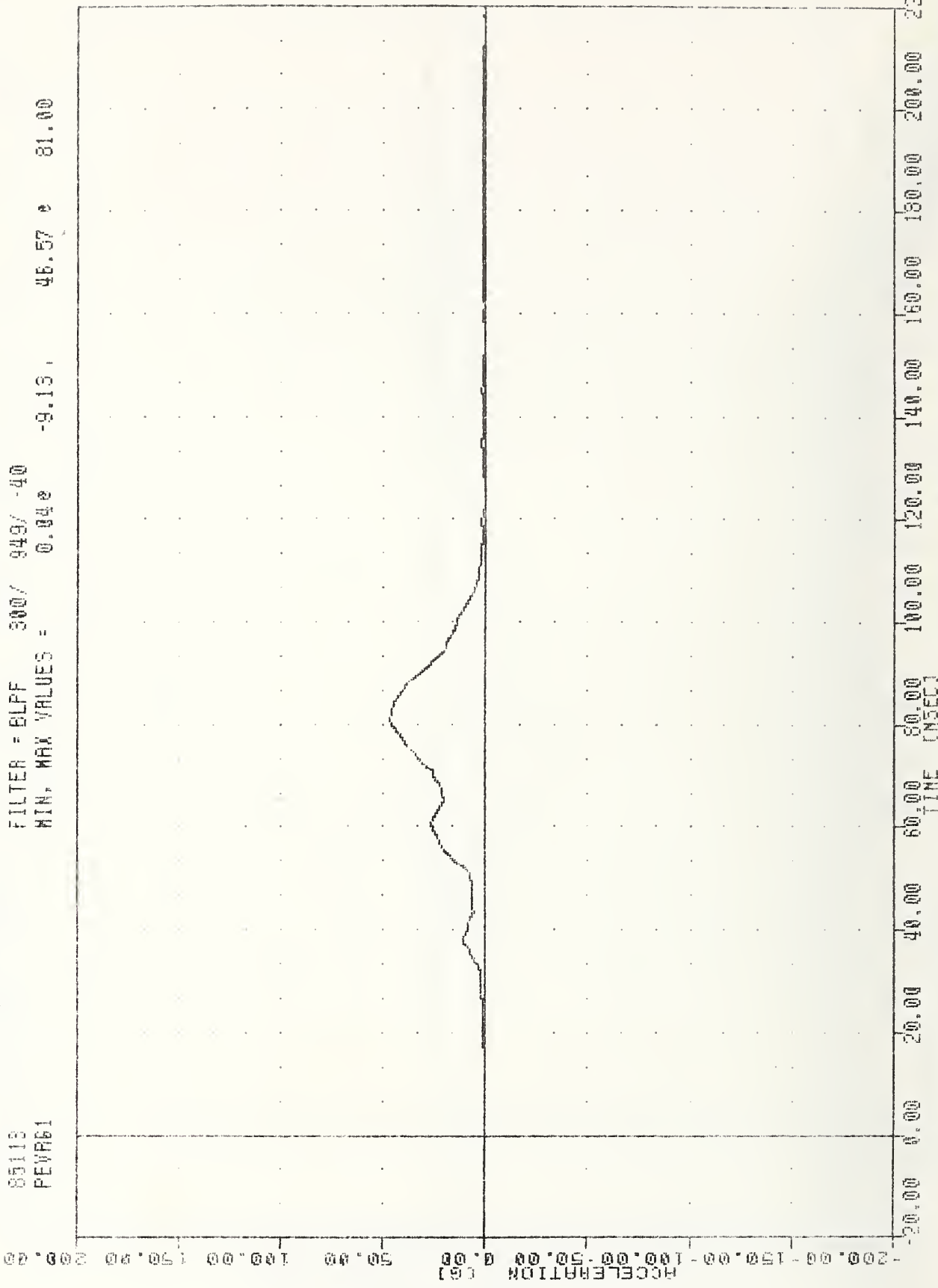
MIN. MAX VALUES = 0.00e -16.68 , 25.42 e 74.63



CHEVROLET IMPALA SLED TEST - 80 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER SEAT PERSUFRONT

480
SPEED RIBBING SLED PROGRAM
85113
PEVR61

PLOT DATE 28-APR-65 08:56:57
FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = 0.84e -9.13 46.57 e 81.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS RESULTANT

08:56:37 26-APR-85

SPEED AIRBAG SLED PROGRAM

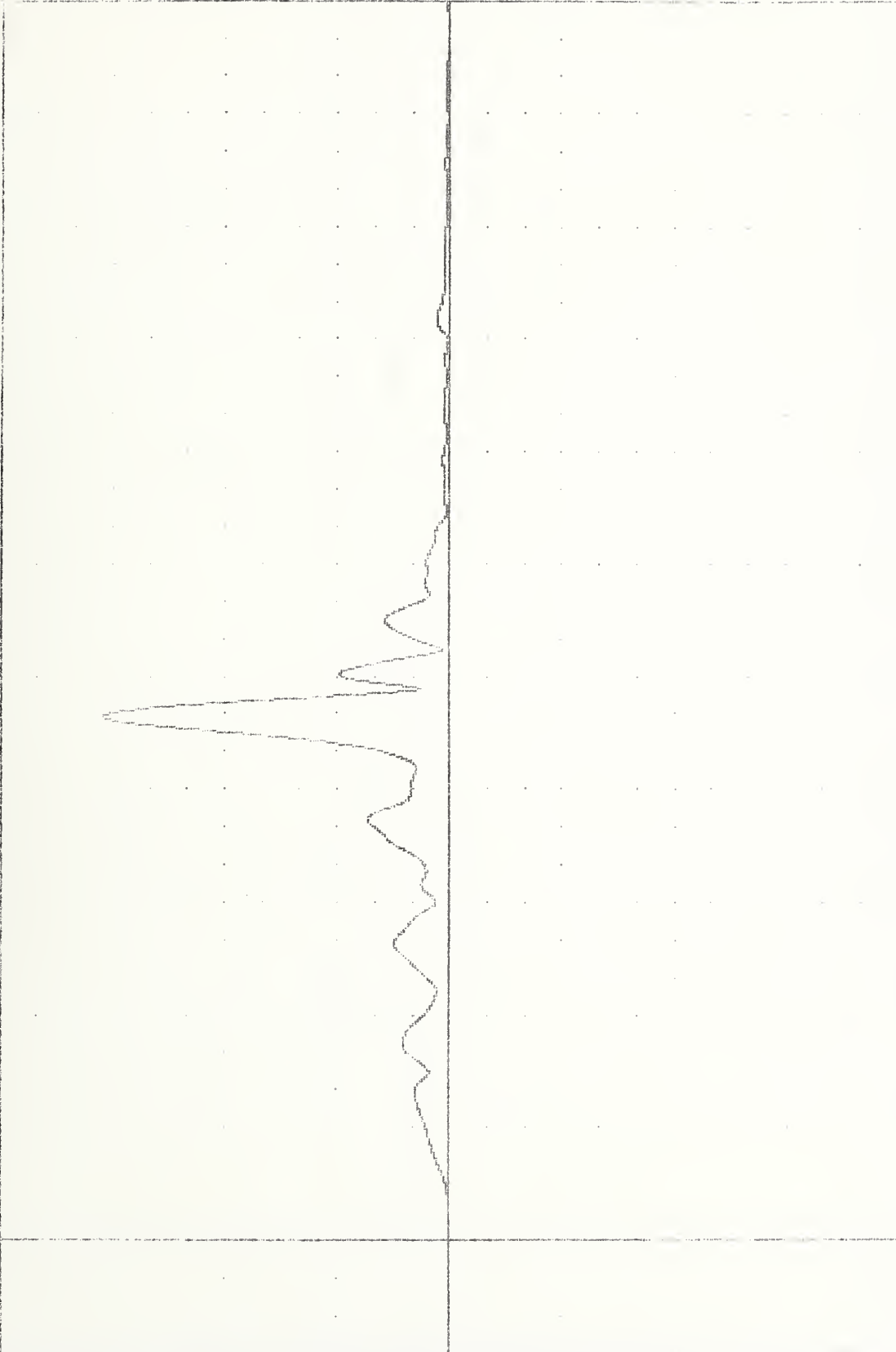
05113

STRG

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.028 -19.13 154.14 92.68

ACCELERATION (G) 200.00 150.00 100.00 50.00 0.00



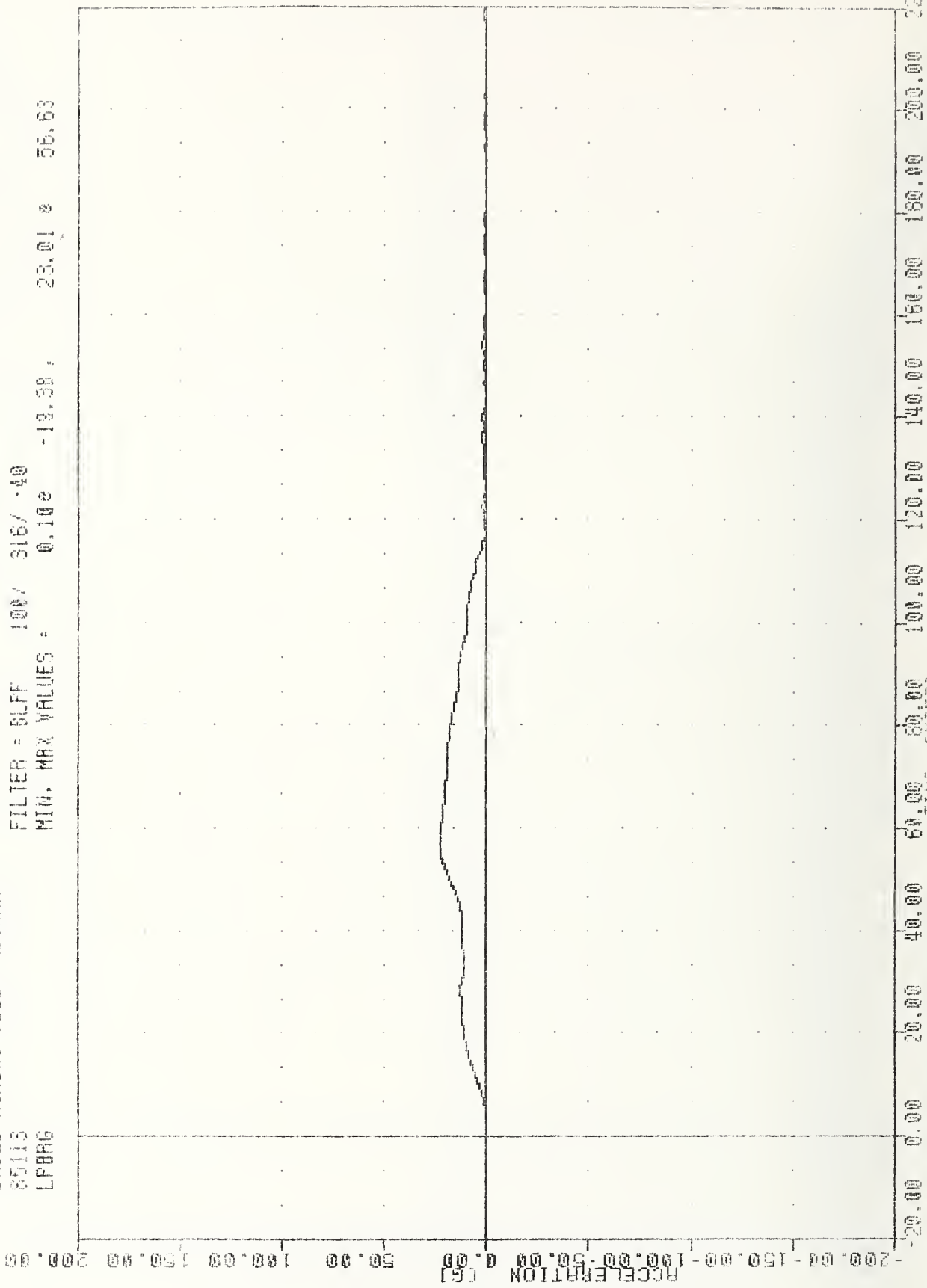
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
STEERING COLUMN AIR RESISTANCE

VP71
BREED AIRBAG SLED PROGRAM
85113
LPBAG

PL01 DATE 26-APR-85 09:56:07

FILTER = BLFF 100V 316/ -40
MIN. MAX VALUES = 0.10e -19.38, 23.01 e 56.63



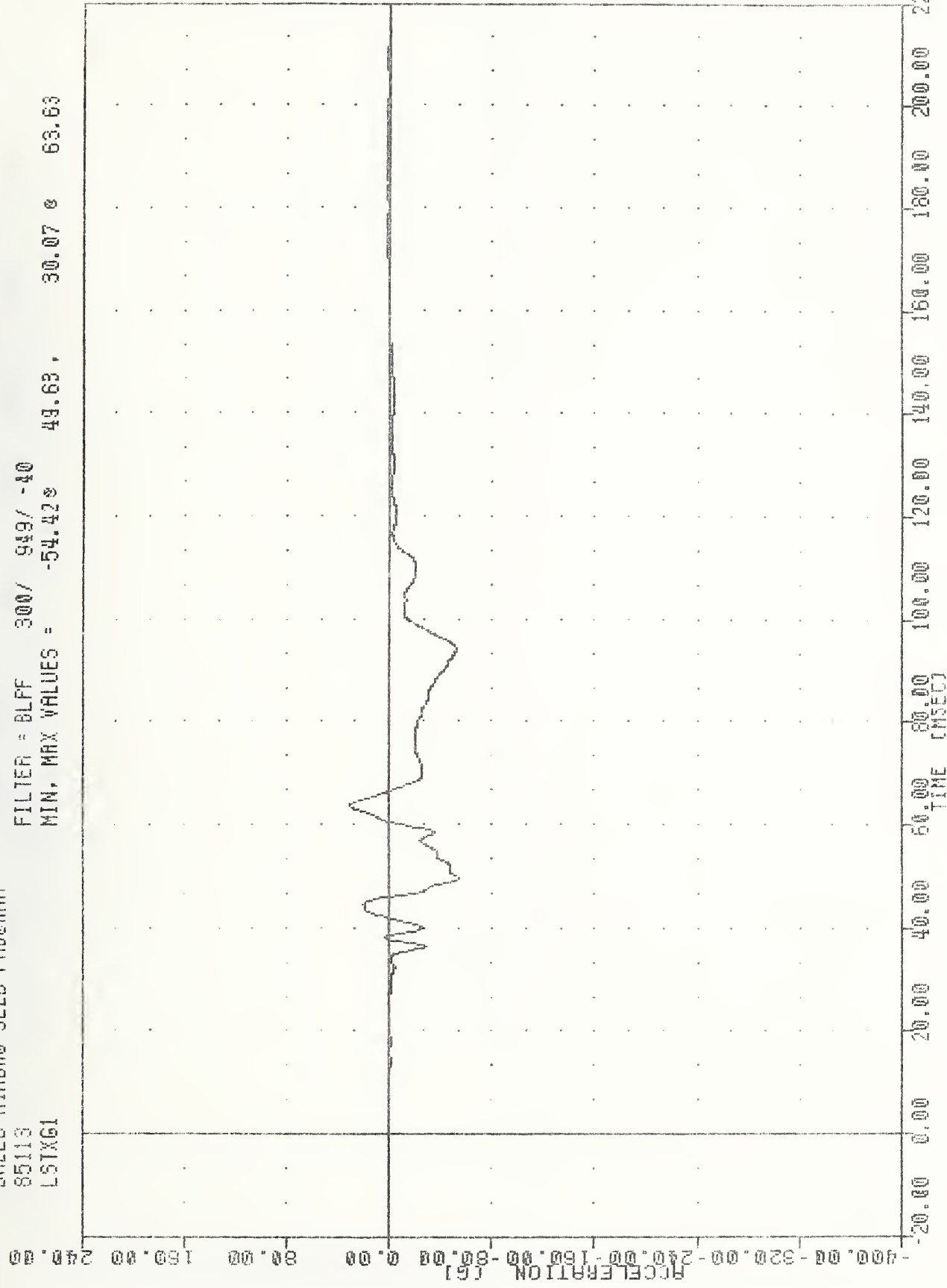
206

CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
FOLLOW LEFT P RESULTANT

WRITE , R0384-4-18
BREED AIRBAG SLED PROGRAM
85113
LSTXG1

PLOT DATE 28-APR-85 15:41:45

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -54.42g 49.63g 30.07g 63.63g

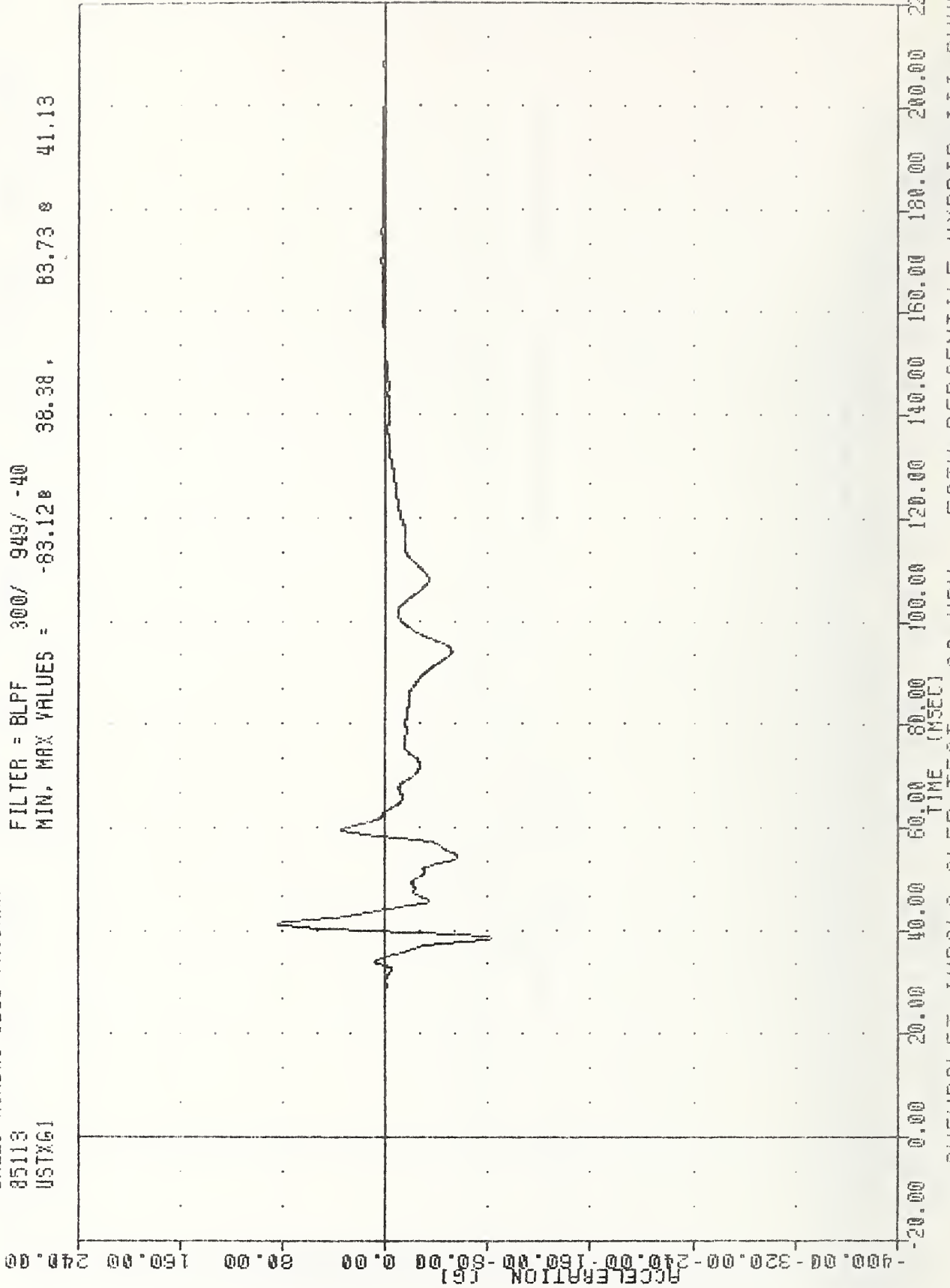


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

VRTC . 80524-4-18
DREC AIRBAG SLED PROGRAM
85113
USTXG1

PLOT DATE 29-APR-85 15:41:45

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -83.128 38.38 , 83.73 8 41.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

NRTC , R0384-4-18 PLOT DATE 3-MAY-85 12:30:02

BREED AIRBAG SLED PROGRAM

85113

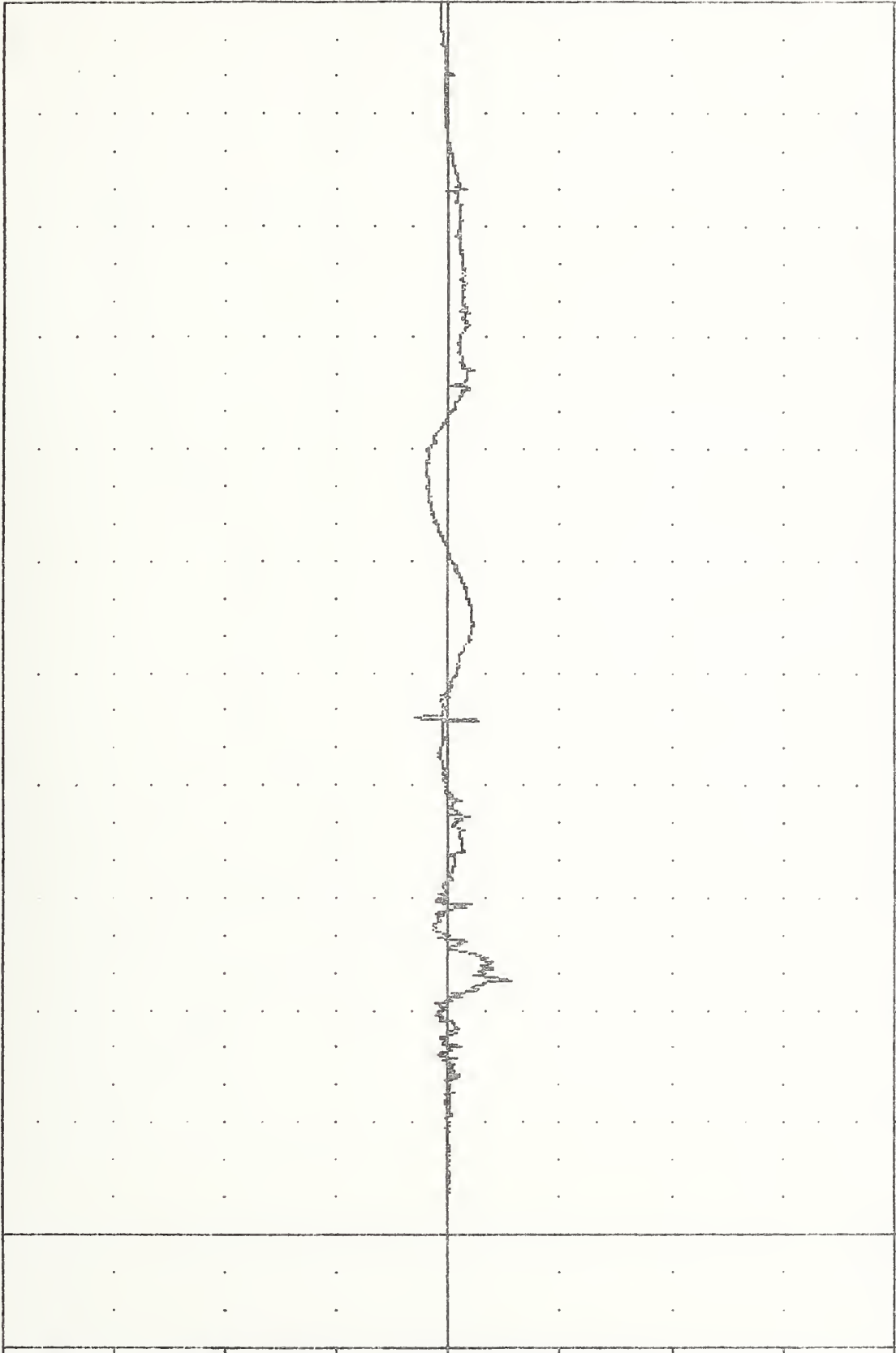
HD2761

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -28.03B 45.25 .

15.62 e 92.00

ACCELERATION (G)



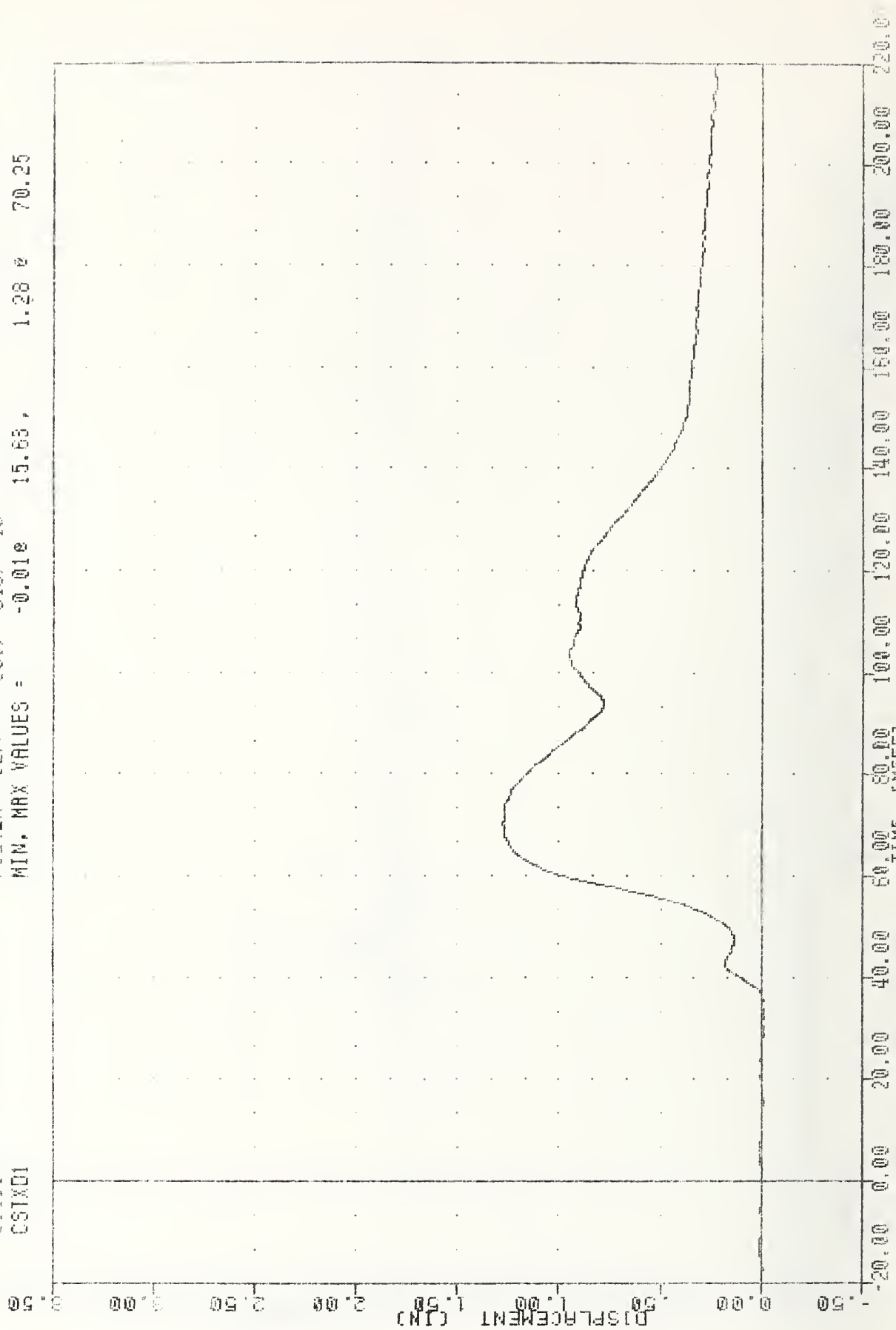
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)

W87L 20384-4-12
BRED AIRBAG SLED PROGRAM
85113
CSIXD1

PLOT DATE 26-APR-85 14:06:33

FILTER = 8LFF 30V 949/ -40
MIN. MAX VALUES = -0.01e 15.63, 1.28 e 70.25

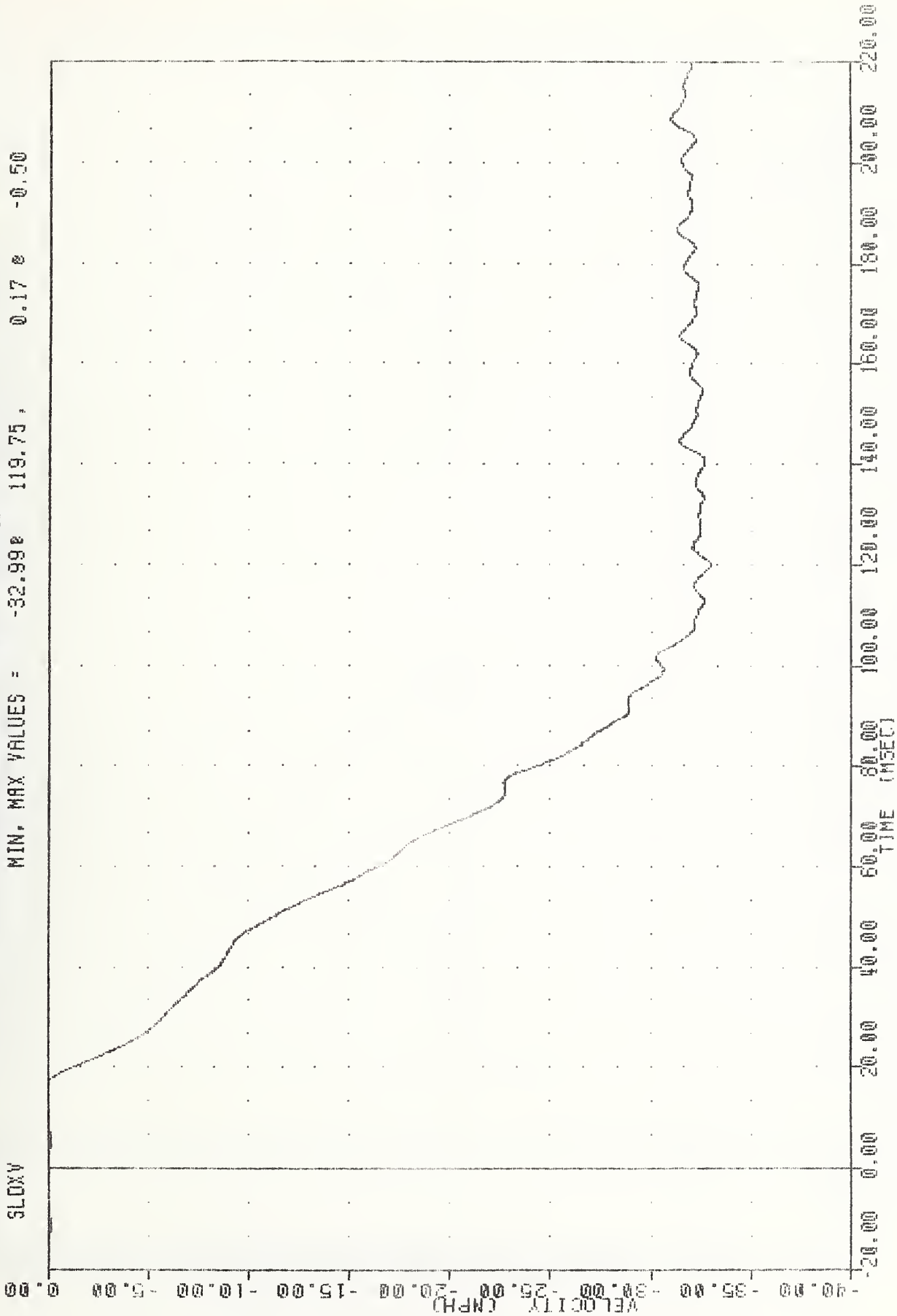


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER SEAT DISPLACEMENT (INCHES)

VRTC
85113
SLOWY
BREED AIRBAG SLED PROGRAM
R0384-4-16

PLOT DATE 25-APR-85 12:52:23

FILTER = ALPF 100/ 316/ -40
MIN. MAX VALUES = -32.99e 119.75, 0.17 e -0.50



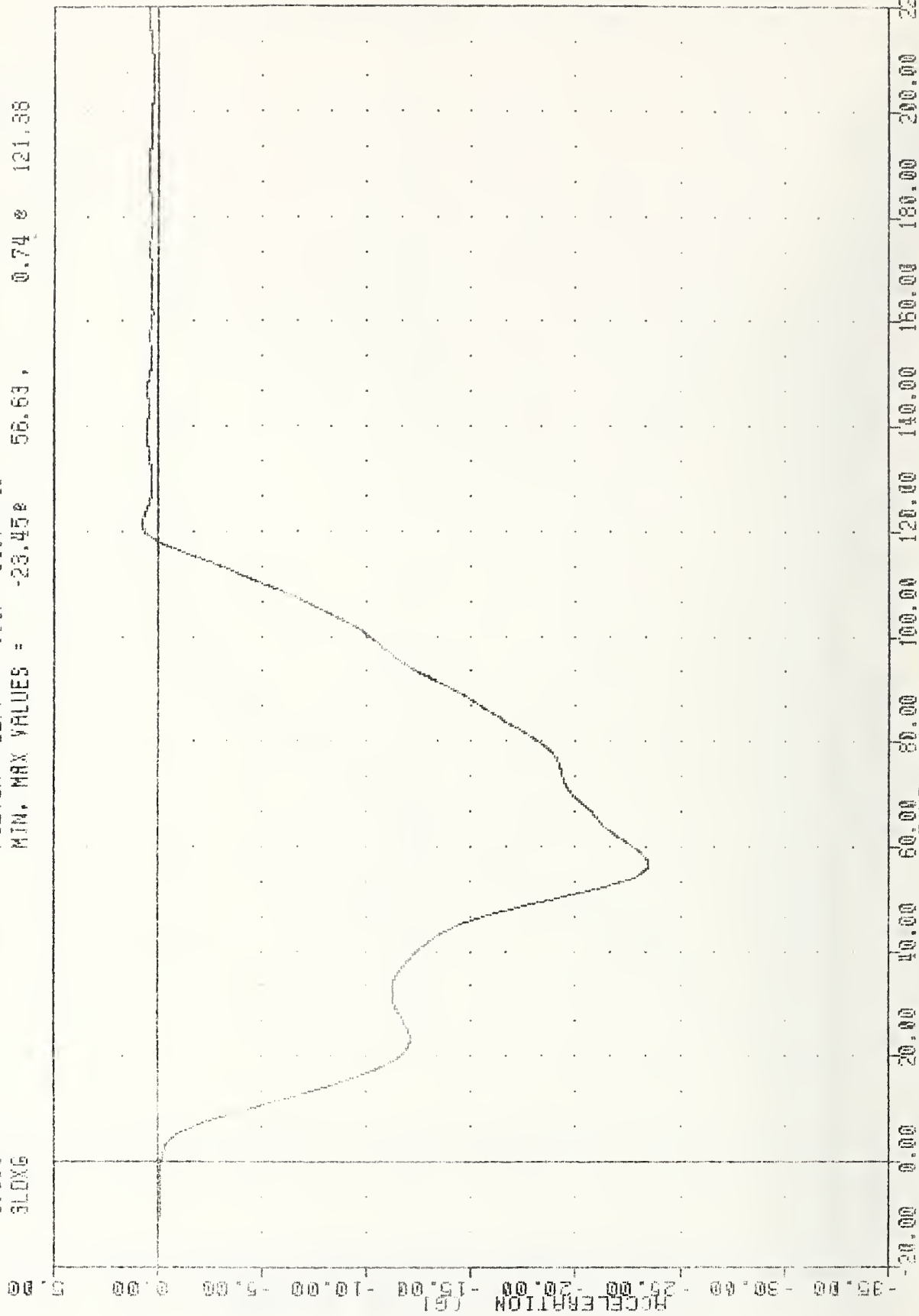
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED VELOCITY (CHRYSLER)

VEH: RD384-4-18
SPEED AIRBAG SLED PROGRAM
85113
SLOXG

PLOT DATE 1-MAY-85 13:11:59

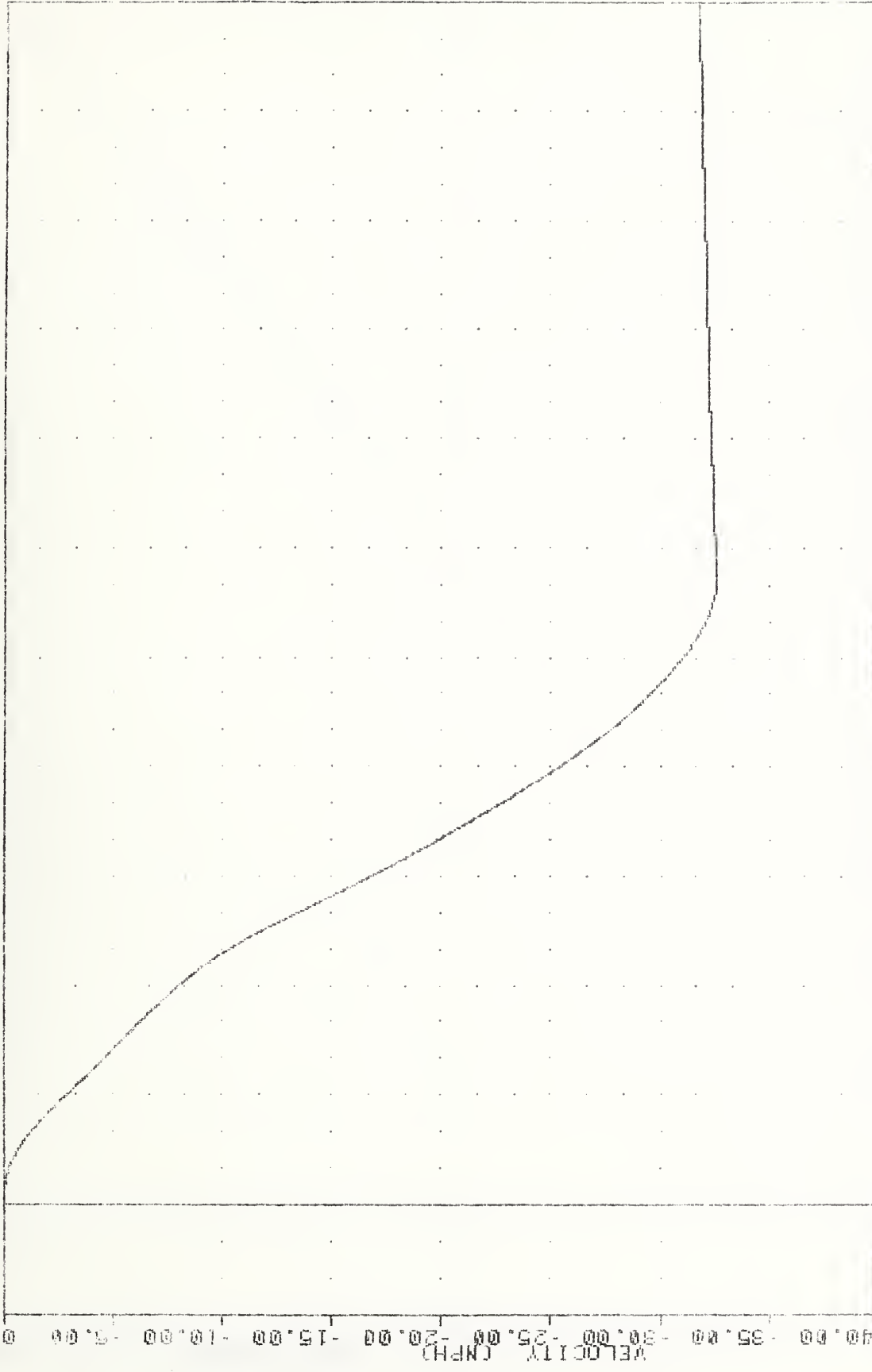
FILTER = BLFF 100/ 316/ -40

MIN. MAX VALUES = -23.45e 56.63, 0.74 e 121.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED ACCELERATION

VRTC 80084-4-18
 BAEED AIRBAG SLED PROGRAM
 95113
 SLDXVI
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -32.62% 115.38, 0.00% -20.00

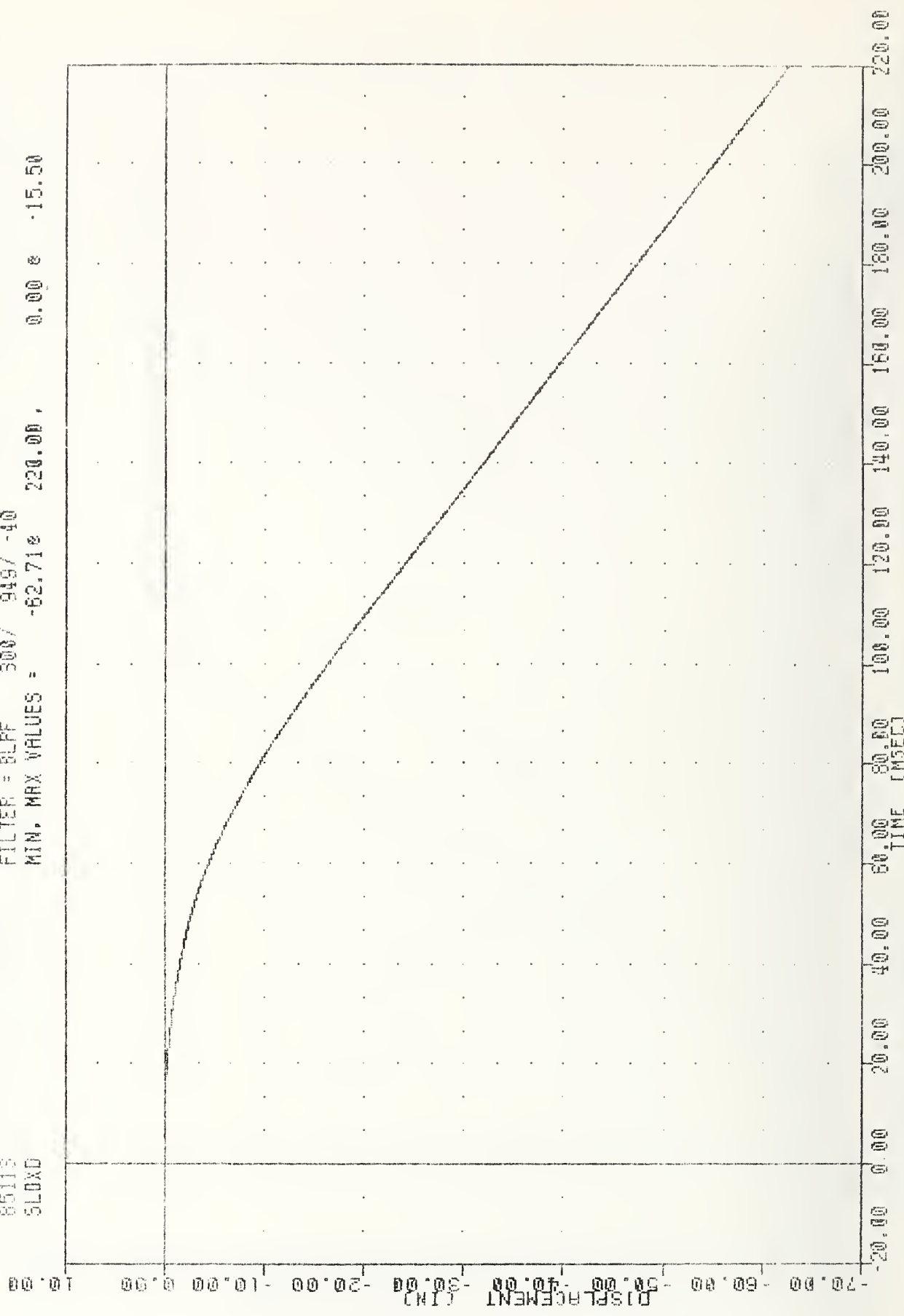


CHEVROLET IMPALA SLED TEST - 30 MPH (50TH PERCENTILE HYBRID III DUMMY)
 SLED VELOCITY (INTEGRATED)

UNIT: IMPALA
SPEED AIRCRAFT SLED PROGRAM
85113
SLOXD

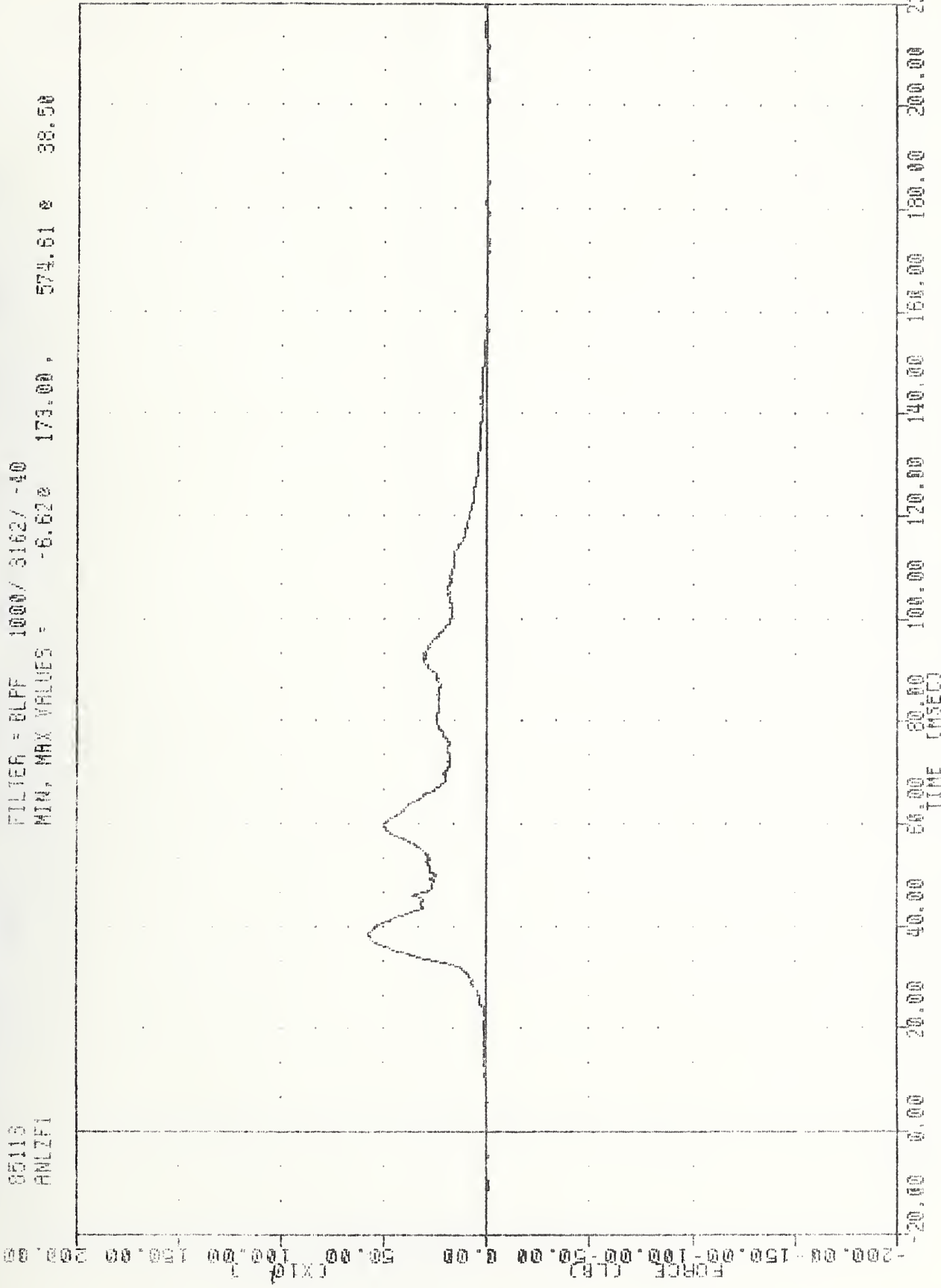
PLM ORTS 1-MAY-85 13:12:08

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -62.71e 220.00, 0.00 e -15.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING SLOXVI

V87C 50384-4-16 PLOT DATE 26-APR-85 14:05:33
 BASED AIRBAG SLED PROGRAM
 05113 FILTER = 0LFF 1000/ 3162/ -40
 ANLZFI MIN, MAX VALUES = -6.62e 179.00, 574.61 e 38.50

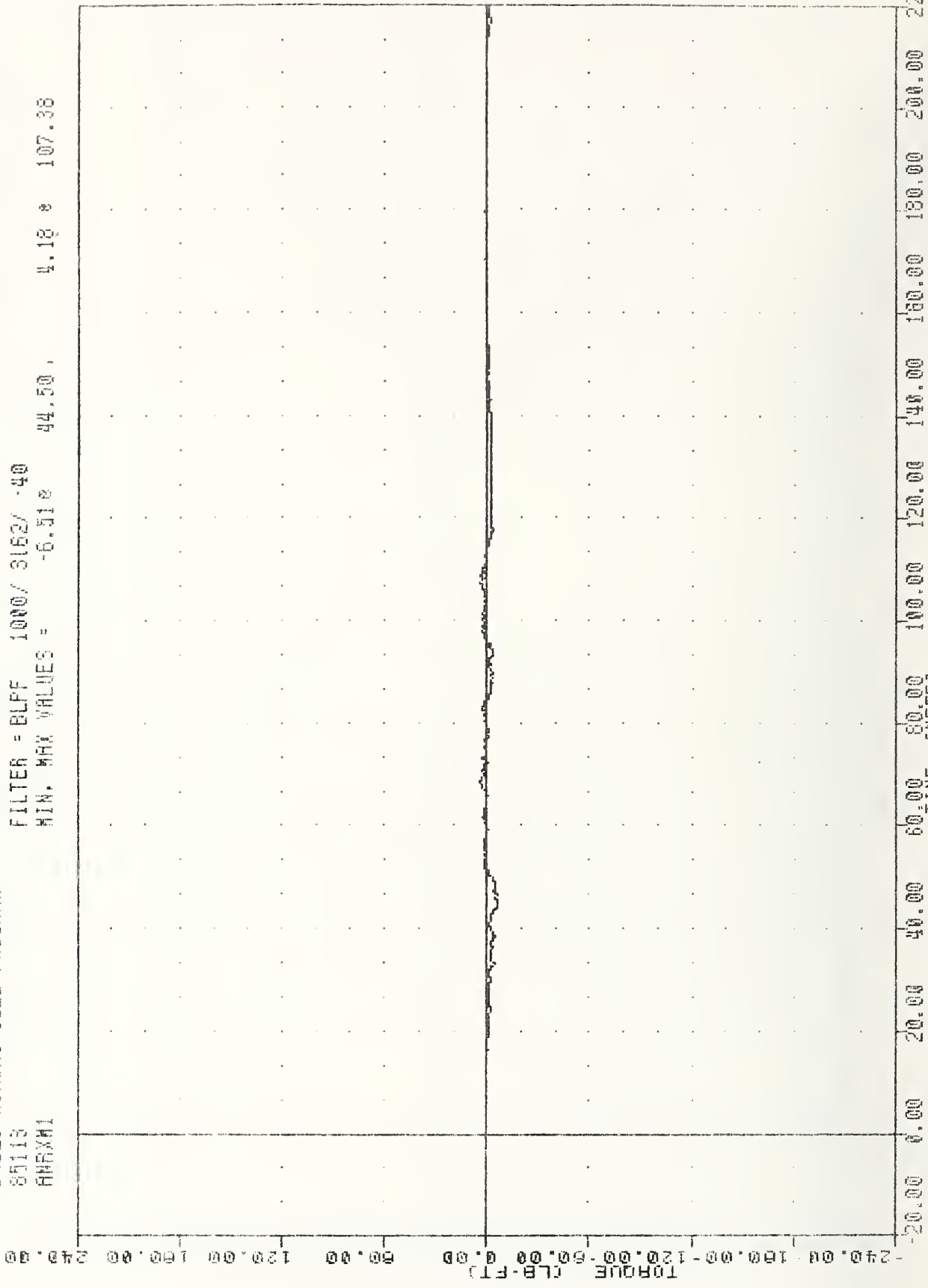


CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER LEFT LOWER TIBIA FORCE 7 AXIS LBC

VITEC
 BREED AIRBAG SLED PROGRAM
 85113
 ANEXM1

PLOT DATE 26-APR-85 14:06:33

FILTER = BLFF 10N0/ 3162/ -40
 MIN. MAX VALUES = -6.51e 44.50, 4.18 e 107.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER RIGHT LOWER TIBIA MOMENT X AXIS LB-FT

PAGE 1
RUC004-4-35
PLOT DATE 26-APR-85 14:06:33

BASED AIRBAG SLED PROGRAM

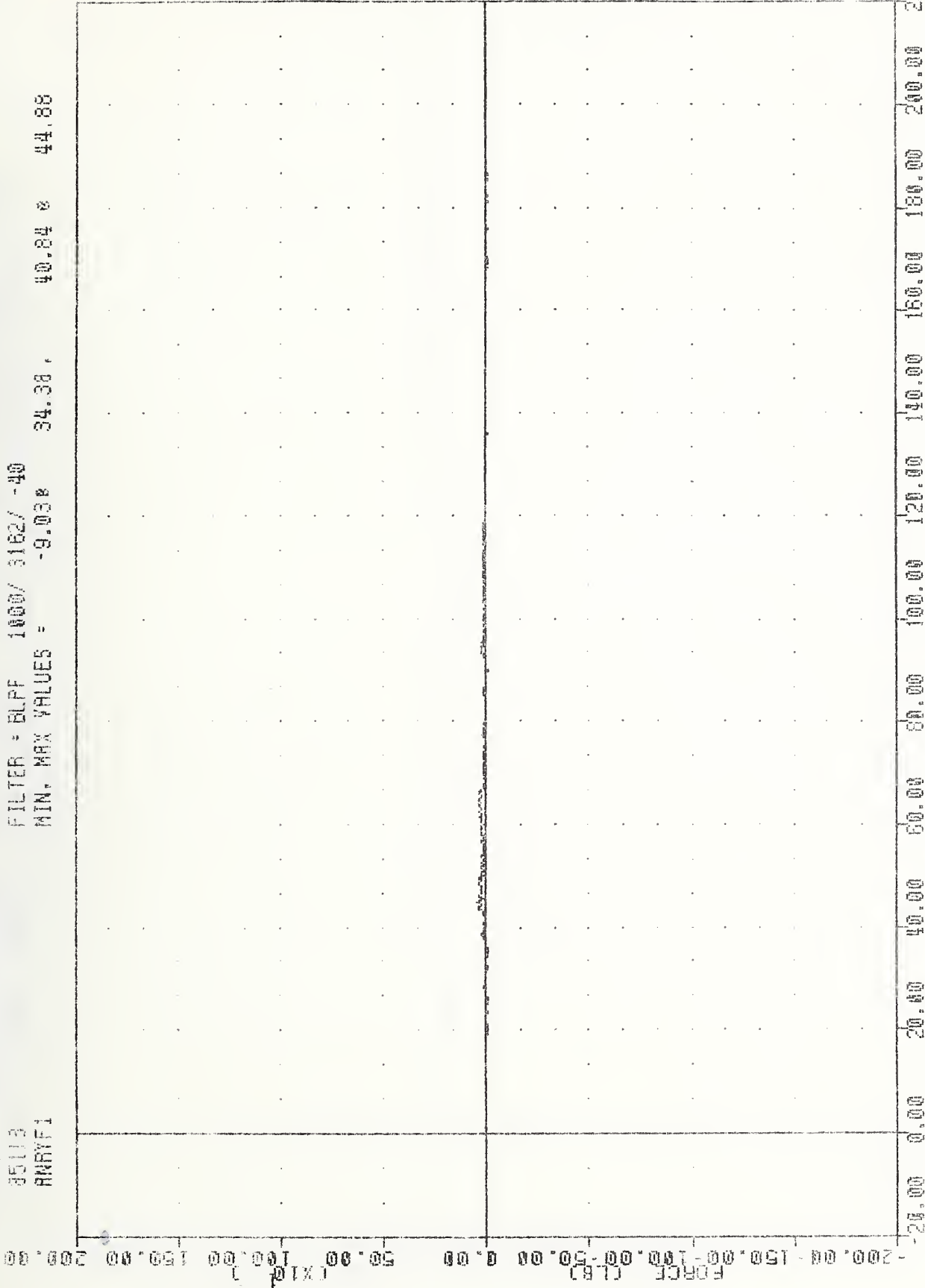
05113

ANRYF1

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -9.03E 34.38

40.24 44.88

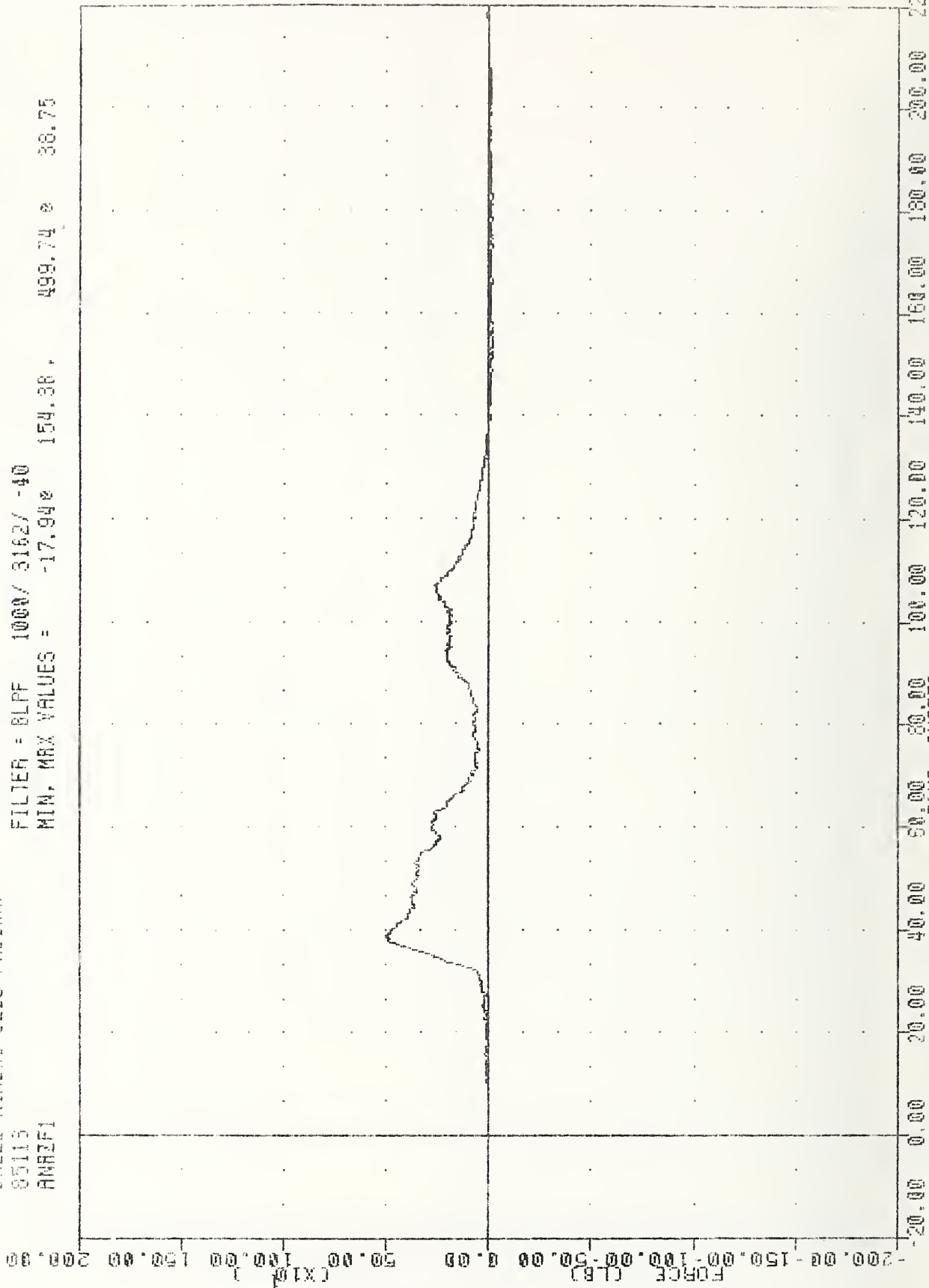


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA FORCE Y AXIS LBS

DATE 7-20-84 9:10
BREED AIRBAG SLED PROGRAM
85115
ANRZF1

PLOT DATE 20-APR-85 14:06:33

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -17.94% 154.38% 499.74% 38.75

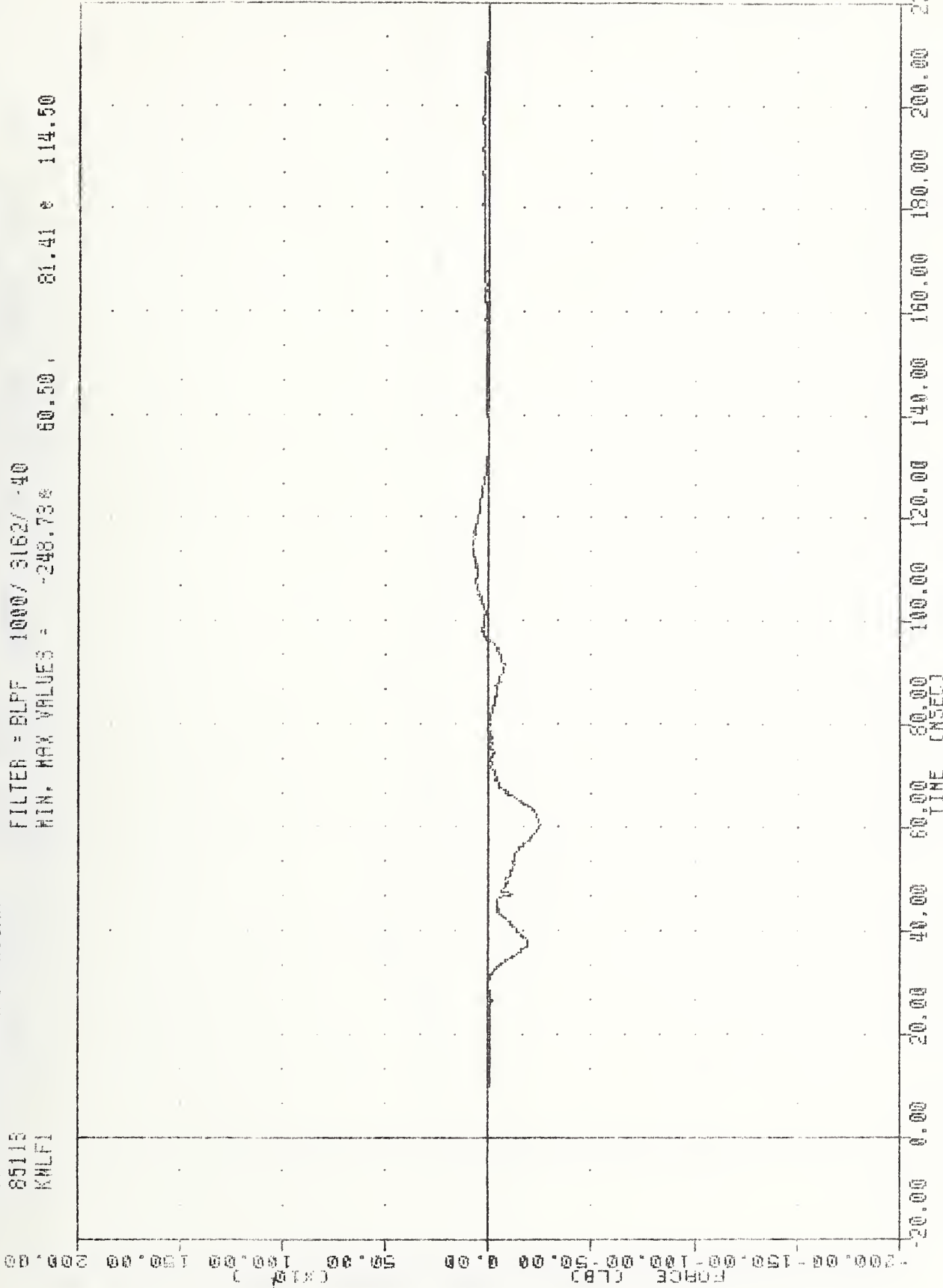


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA FORCE Z AXIS LBS

VITE . RD084-4-18
BREED AIRBAG SLED PROGRAM
85113
KNLFI

PLOT DATE 26-APR-85 14:06:33

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -248.73% 60.50 , 81.41 e 114.50

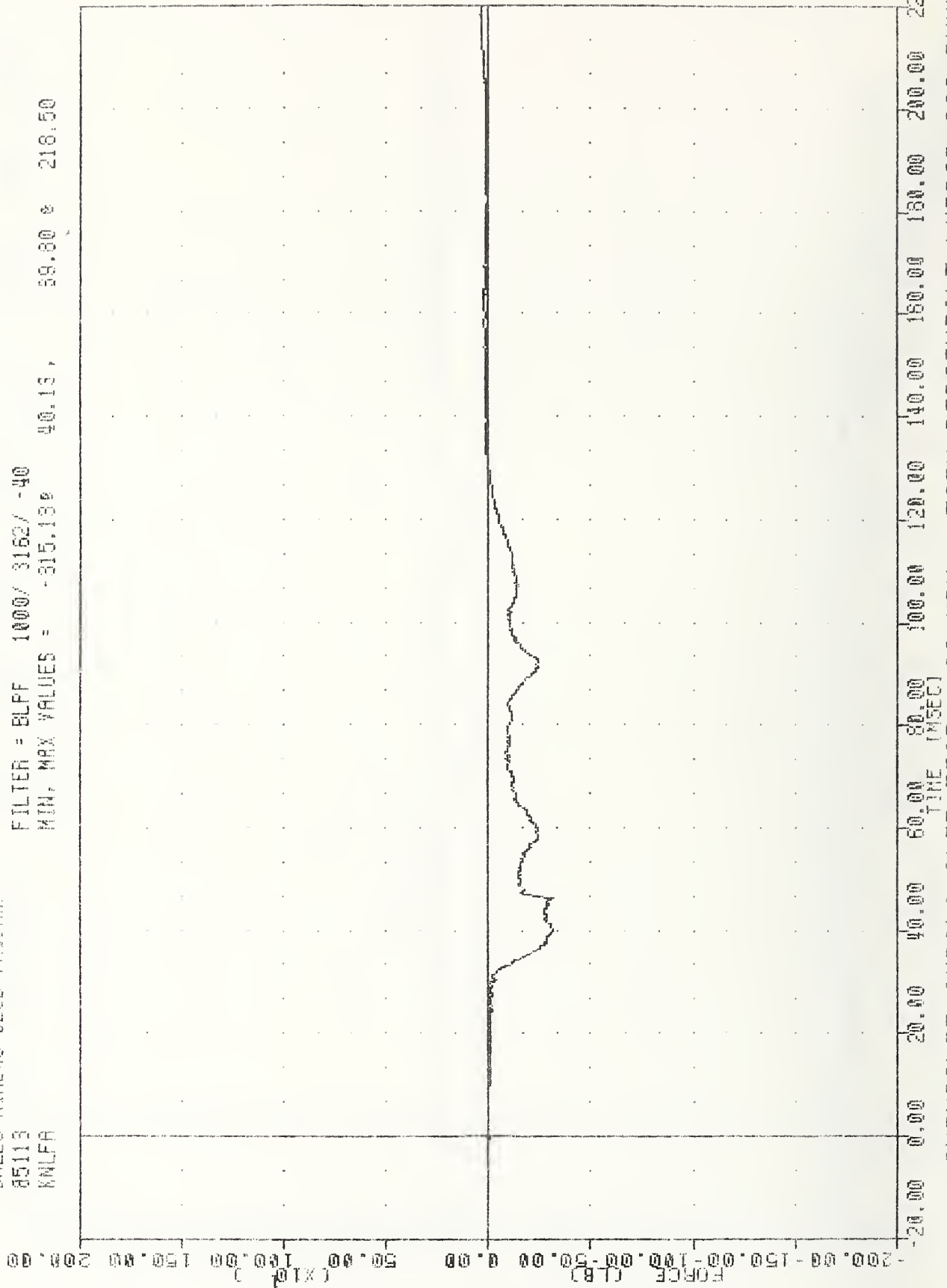


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE / LEFT SENSOR LBS

DATE 50384-4-18
BREAD AIRBAG SLED PROGRAM
85113
KMLFA

PLUT DATE 26-APR-85 14:06:33

FILTER = BLFF 1000/ 3162/ -40
MIN, MAX VALUES = -315.13e 40.13, 39.80 e 216.50

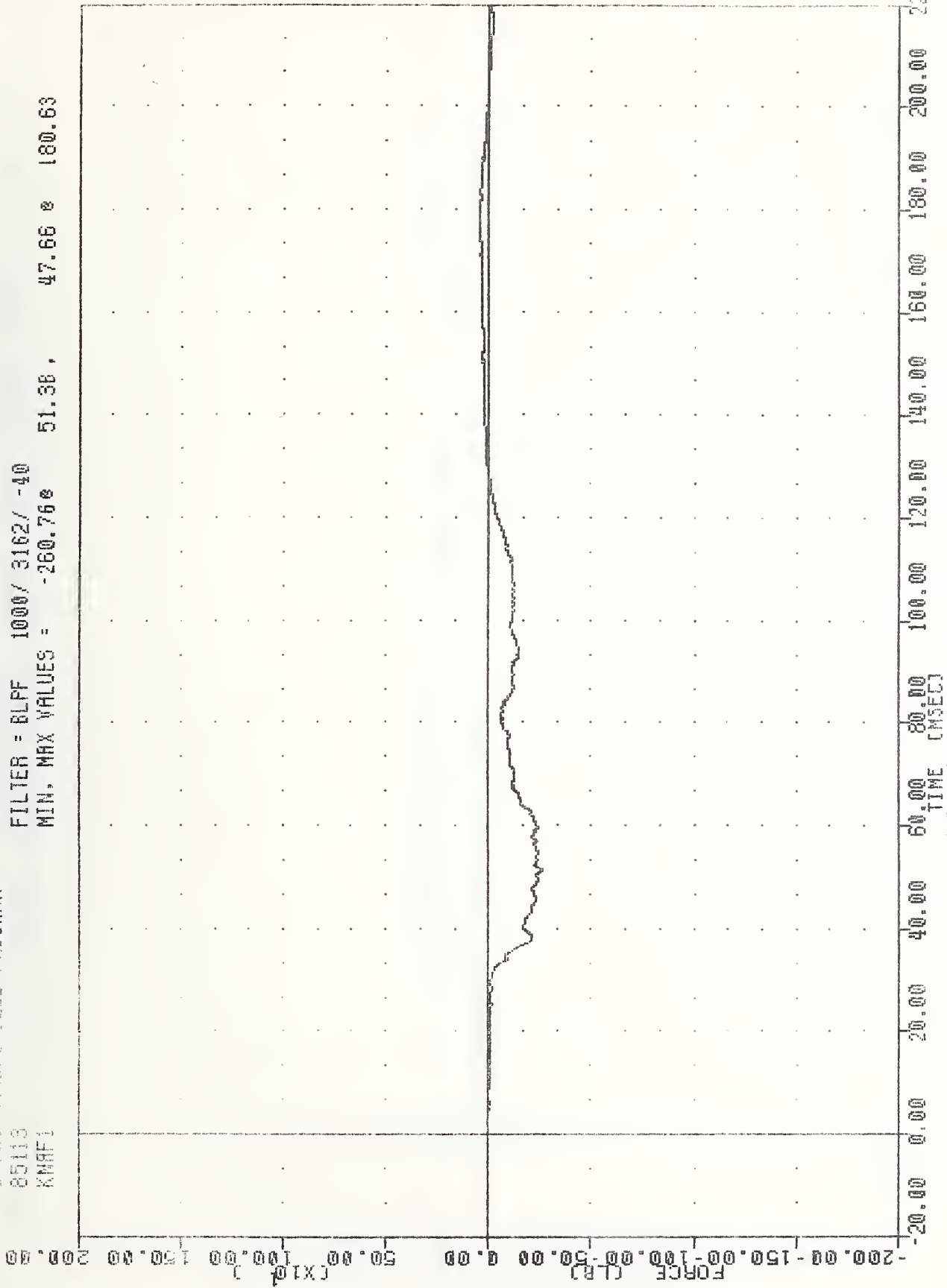


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE / RIGHT SENSOR LBS

PLOT DATE 26-APR-85 14:05:33

FILTER = 6LPF 1000/ 3162/ -40
MIN. MAX VALUES = -260.76e 51.38e 47.66e 180.63

05113
KMPF1
8550 AIRBAG SLED PROGRAM
R0004-4-16

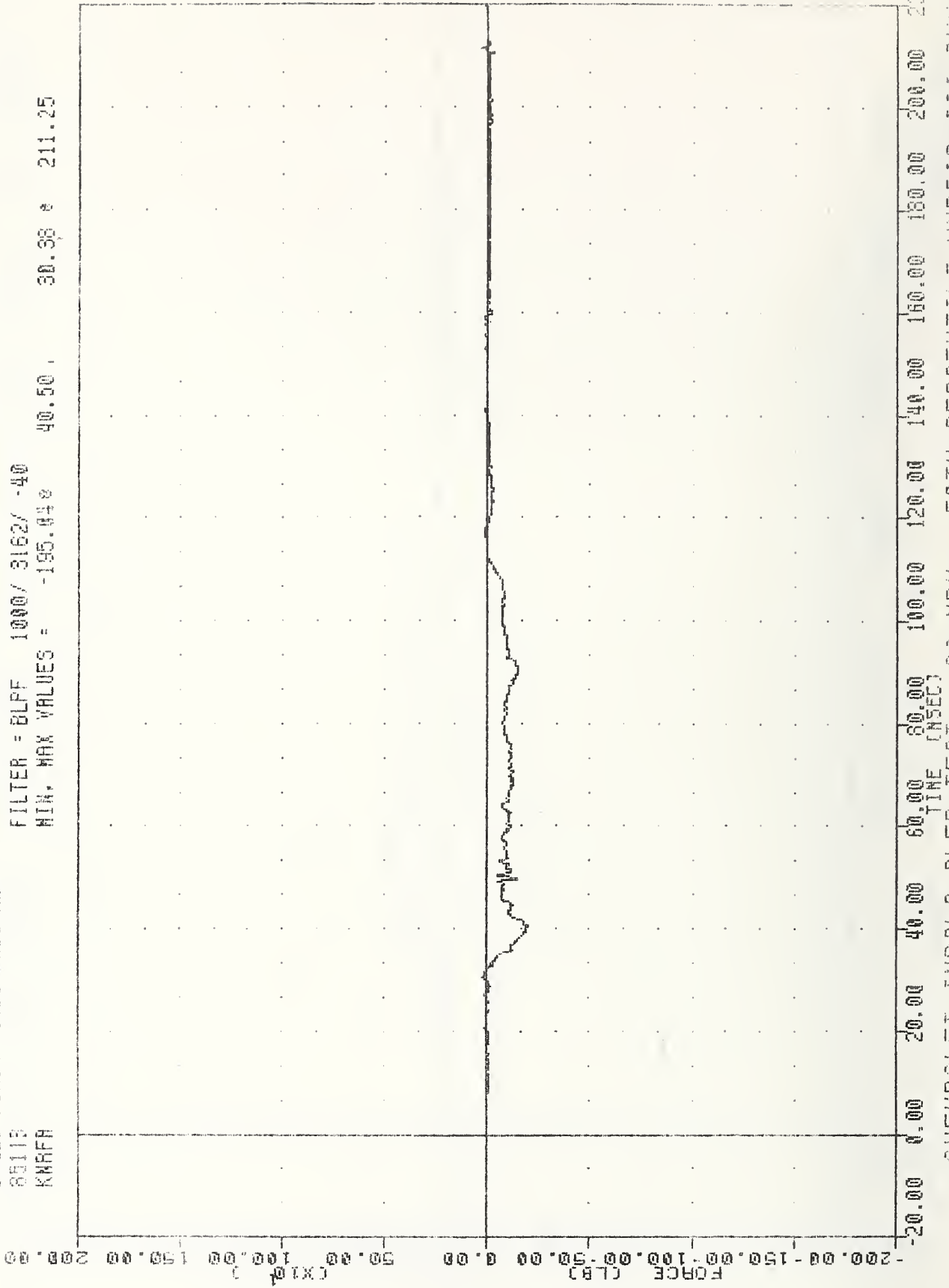


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE / LEFT SENSOR LBS

RD384-4-18
BREED AIRBAG SLED PROGRAM
83113
KMRFA

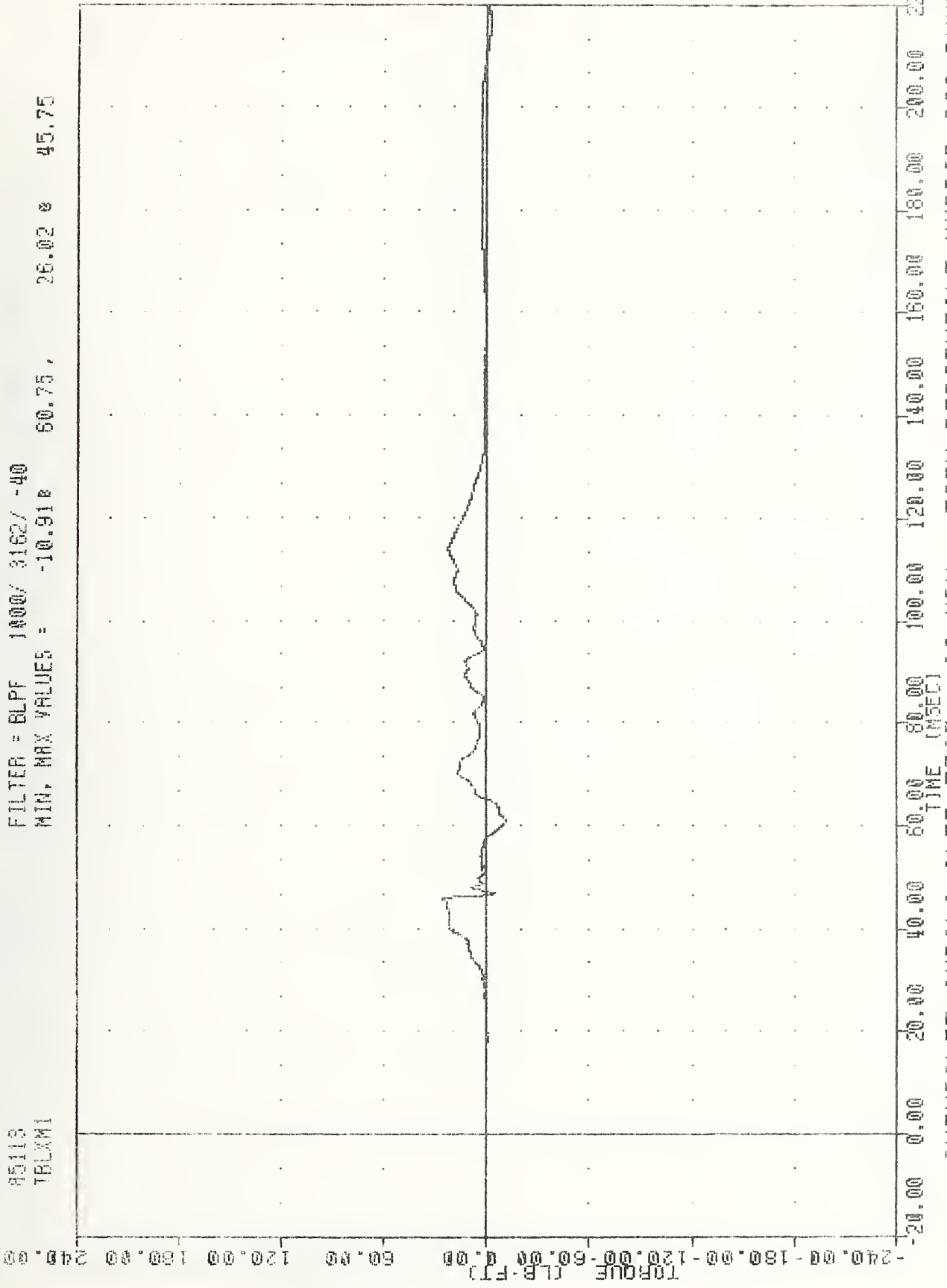
PLOT DATE 26-APR-85 14:06:33

FILTER = BLFF 1000/ 3162/ -40
MIN. MAX VALUES = -195.048 40.50 30.38 * 211.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE - RIGHT SENSOR LBS

VBTI . R0304-4-10 PLOT DATE 25 APR 85 14:06:38
 BRACED AIRBAG SLED PROGRAM
 85113 FILTER = 6LPF 1000/ 3162/ -40
 TBLXMI MIN. MAX VALUES = -10.918 60.75, 26.02 @ 45.75

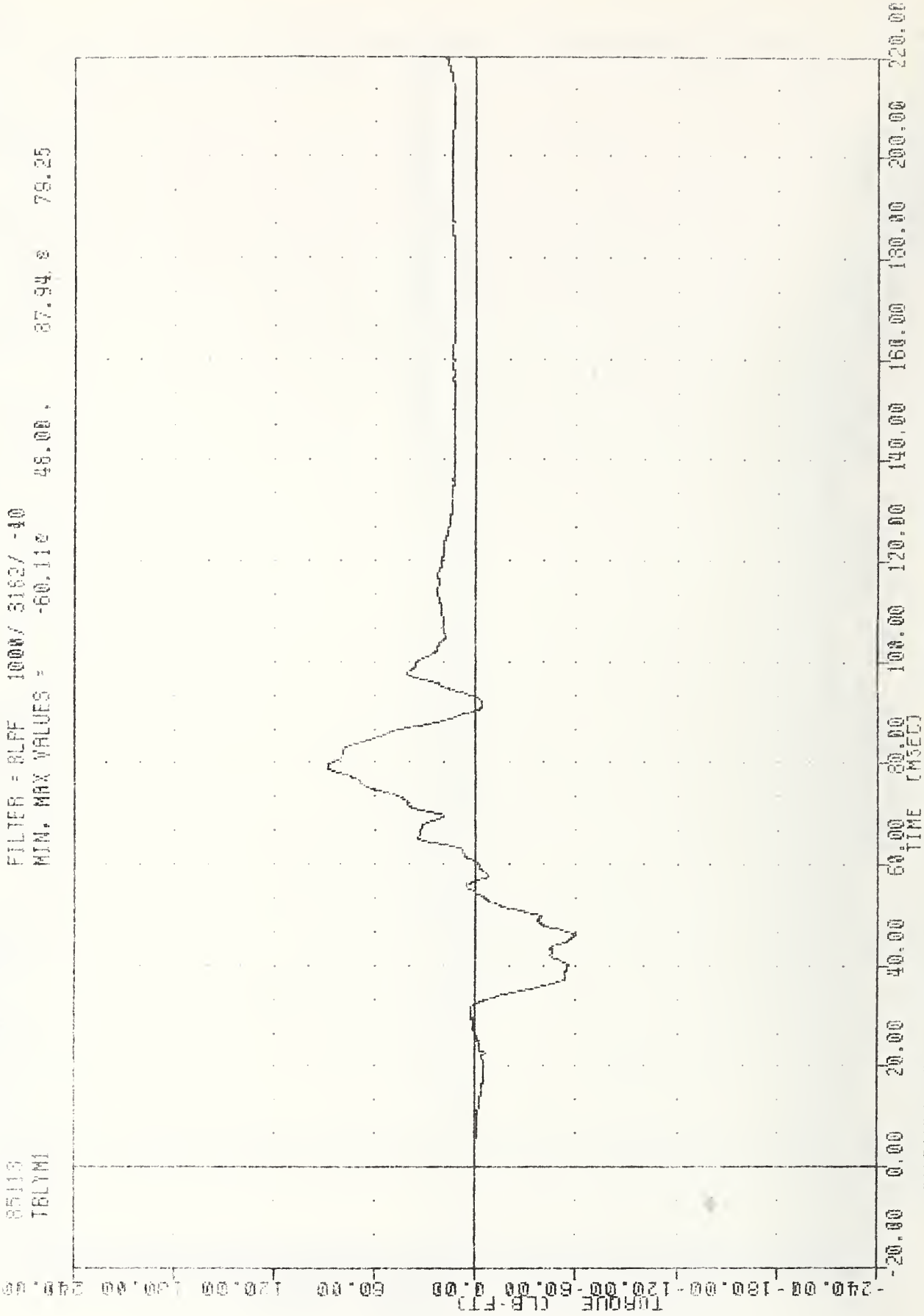


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID-III DUMMY
 DRIVER LEFT UPPER TIBIA MOMENT X AXIS LB-FT

85113
TBL YMI
GRECO AIRBAG SLED PROGRAM
R0304 4-18

PLAT DATE 26-APR-85 14:06:33

FILTER = RLFF 100W/ 3162/ -10
MIN. MAX VALUES = -60.11e 48.00e 87.94e 78.25

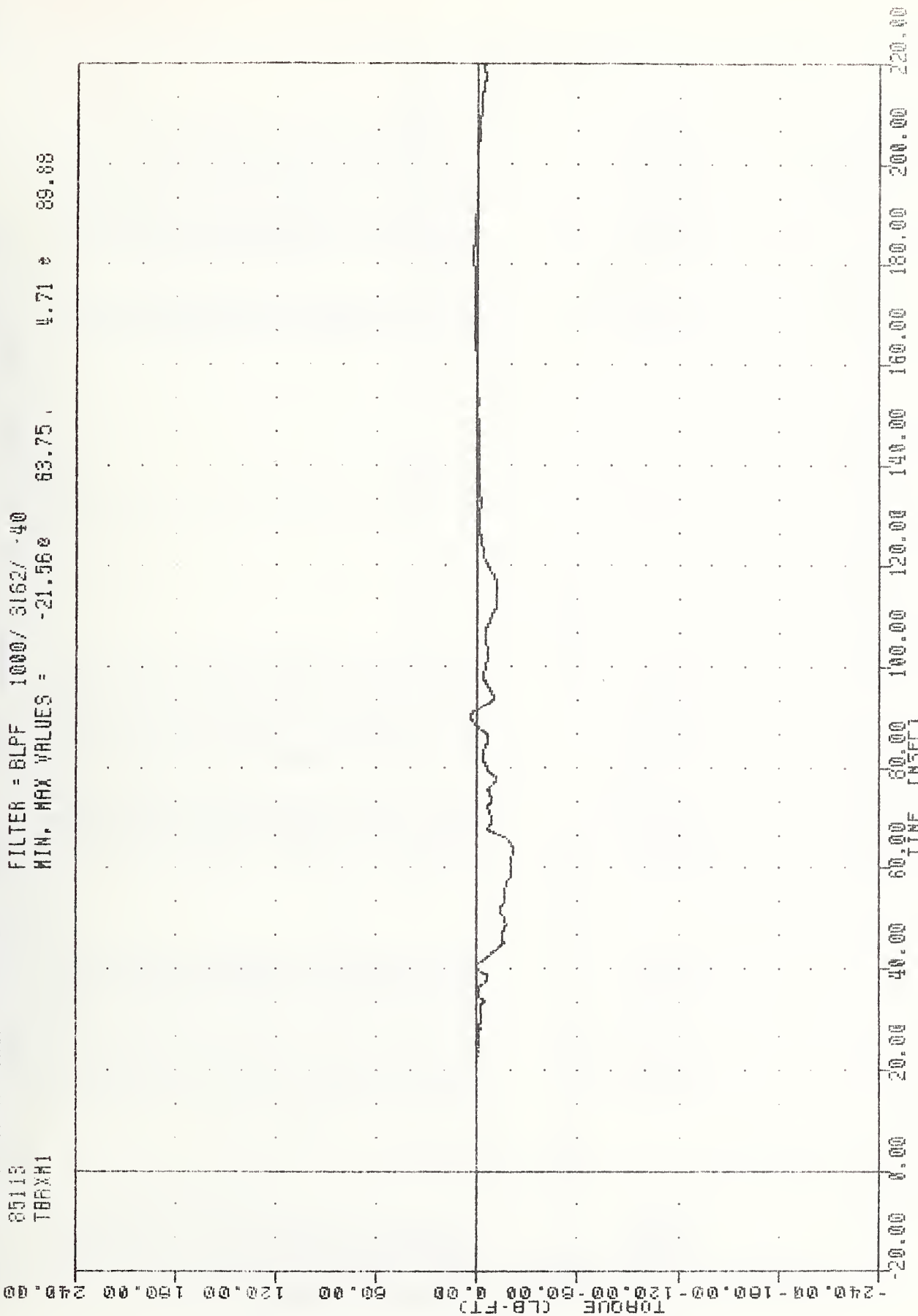


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT Y AXIS LB-FT

VATC 00384-4-18
BREED AIRBAG SLED PROGRAM
05113
TBRXH1

PLOT DATE 26-APR-85 14:06:53

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -21.56e 63.75 4.71 e 89.89



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT X AXIS LB-FT

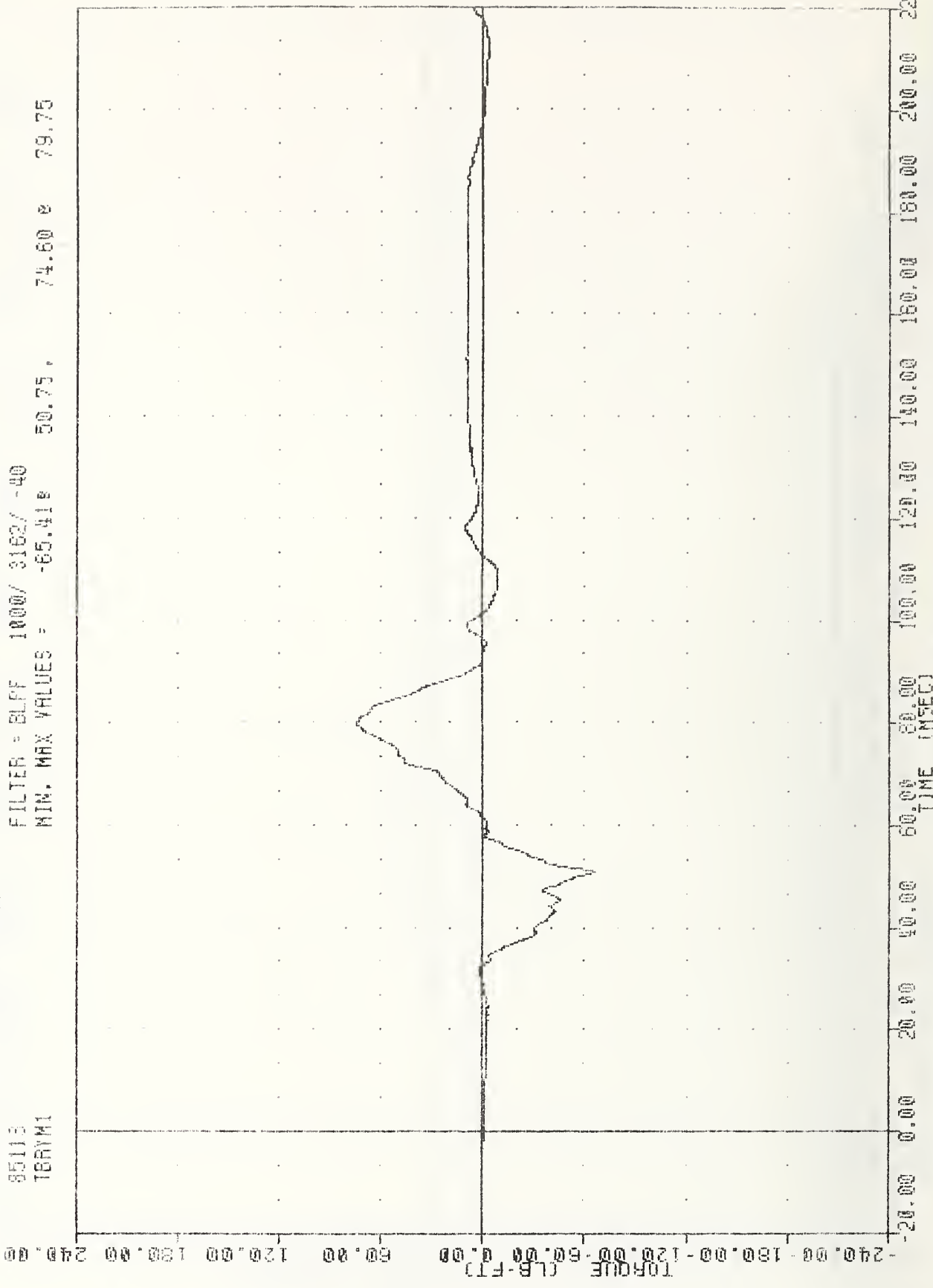
85113
T8RYM1

85113 , 80324-4-1
PLOT OF T8

CREED AIRBORNE SLED PROGRAM

FILTER = BLFF 1000/ 3162/ -40

MIN. MAX VALUES = -65.41e 50.75, 74.60 e 79.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT Y AXIS LB-FT

	Min value	Max value	Data Units	Filter
1	0.063 @	1.614 @	-15.125 msec	ALPF 1650/ 5214/ -40
2	-32.709 @	0.129 @	-16.875 msec	ALPF 100/ 316/ -40
3	-23.107 @	0.975 @	121.375 msec	BLPF 100/ 316/ -40
4	-33.338 @	3.997 @	44.625 msec	ALPF 1650/ 5214/ -40
5	-4.276 @	2.784 @	56.500 msec	ALPF 1650/ 5214/ -40
6	-16.423 @	8.353 @	143.125 msec	ALPF 1650/ 5214/ -40
7	-32.934 @	2.558 @	189.625 msec	BLPF 300/ 949/ -40
8	-1.031 @	1.823 @	41.125 msec	BLPF 300/ 949/ -40
9	-5.145 @	5.674 @	104.125 msec	BLPF 300/ 949/ -40
10	-122.923 @	100.976 @	39.875 msec	BLPF 300/ 949/ -40
11	-70.786 @	38.335 @	61.750 msec	BLPF 300/ 949/ -40
12	-39.119 @	1.455 @	143.875 msec	BLPF 300/ 949/ -40
13	-8.097 @	5.335 @	91.000 msec	BLPF 300/ 949/ -40
14	-14.152 @	1.656 @	163.250 msec	BLPF 300/ 949/ -40
15	-855.304 @	112.788 @	217.125 msec	BLPF 1000/ 3162/ -40
16	-1275.071 @	62.279 @	183.500 msec	BLPF 1000/ 3162/ -40
17	-148.828 @	42.221 @	100.625 msec	BLPF 100/ 316/ -40
18	-14.286 @	19.382 @	91.250 msec	BLPF 100/ 316/ -40
19	-28.402 @	45.778 @	95.375 msec	BLPF 100/ 316/ -40
20	-23.021 @	0.951 @	121.125 msec	BLPF 100/ 316/ -40
21	-2.344 @	2.832 @	34.875 msec	BLPF 100/ 316/ -40
22	-2.036 @	3.702 @	28.125 msec	BLPF 100/ 316/ -40
23	-1.808 @	37.899 @	30.125 msec	ALPF 1650/ 5214/ -40
24	-2.677 @	0.003 @	-11.125 msec	ALPF 1650/ 5214/ -40
25	-4.205 @	0.001 @	-12.375 msec	ALPF 1650/ 5214/ -40
26	-0.002 @	2.019 @	24.125 msec	ALPF 1650/ 5214/ -40
27	-0.079 @	2.152 @	46.375 msec	ALPF 1650/ 5214/ -40

	Min value	Max value	Data Units	Filter
1	0.029 @	34.006 @	58.500 msec	ALPF 1650/ 5214/ -40
2	0.044 @	33.137 @	106.250 msec	BLPF 300/ 949/ -40
3	0.007 @	39.902 @	81.875 msec	BLPF 300/ 949/ -40
4	0.049 @	152.808 @	93.375 msec	BLPF 100/ 316/ -40
5	0.060 @	23.046 @	56.375 msec	BLPF 100/ 316/ -40

TRC420AP. RAD; 1
 VRTC RD384-4-19 BREED AIRBAG SLED PROGRAM 24-APR-85 15:30
 B5114 30.00 mph

	Min value	Max value	Data Units	Filter
1	-26.551 @	11.641 @	g	ALPF 1650/ 5214/ -40
2	-9.233 @	379.221 @	lb	BLPF 100/ 316/ -40
3	-72.548 @	215.324 @	lb-ft	BLPF 100/ 316/ -40
4	-8.748 @	143.872 @	lb	BLPF 100/ 316/ -40
5	-0.011 @	1.223 @	in	BLPF 300/ 949/ -40
6	-254.490 @	133.886 @	lb	BLPF 1000/ 3162/ -40
7	-324.024 @	26.507 @	lb	BLPF 1000/ 3162/ -40
8	-331.395 @	40.354 @	lb	BLPF 1000/ 3162/ -40
9	-194.885 @	39.716 @	lb	BLPF 1000/ 3162/ -40
10	-5.642 @	24.131 @	lb-ft	BLPF 1000/ 3162/ -40
11	-60.490 @	153.290 @	lb-ft	BLPF 1000/ 3162/ -40
12	-23.500 @	14.479 @	lb-ft	BLPF 1000/ 3162/ -40
13	-53.621 @	171.250 @	lb-ft	BLPF 1000/ 3162/ -40
14	-9.854 @	31.125 @	lb-ft	BLPF 1000/ 3162/ -40
15	-57.733 @	5.279 @	lb	BLPF 1000/ 3162/ -40
16	-2.228 @	599.239 @	lb	BLPF 1000/ 3162/ -40
17	-10.778 @	5.353 @	lb	BLPF 1000/ 3162/ -40
18	-17.528 @	38.549 @	lb	BLPF 1000/ 3162/ -40
19	-32.631 @	538.038 @	lb	BLPF 1000/ 3162/ -40

TRC420IP. RAD; 1
 VRTC RD384-4-19 BREED AIRBAG SLED PROGRAM 24-APR-85 15:30
 B5114 30.00 mph

	Min value	Max value	Data Units	Filter
1	-38.679 @	0.784 @	mph	BLPF 300/ 949/ -40
2	-50.105 @	0.756 @	in	BLPF 300/ 949/ -40
3	-34.272 @	0.824 @	mph	BLPF 300/ 949/ -40
4	-50.248 @	0.957 @	in	BLPF 300/ 949/ -40
5	-34.824 @	0.716 @	mph	BLPF 300/ 949/ -40
6	-56.358 @	0.785 @	in	BLPF 300/ 949/ -40
7	-32.467 @	0.000 @	mph	BLPF 300/ 949/ -40
8	-62.417 @	0.000 @	in	BLPF 300/ 949/ -40
9	-30.059 @	0.241 @	mph	BLPF 300/ 949/ -40
10	-51.685 @	0.197 @	in	BLPF 300/ 949/ -40
11	-31.700 @	0.209 @	mph	BLPF 300/ 949/ -40
12	-60.507 @	0.161 @	in	BLPF 300/ 949/ -40

228

HEADG1

* * * HIC computation for TRC420RF 24-APR-85 15:37:28
HEADG1 VRTC RD384-4-19 85114 BREED AIRBAG SLED PROGRAM
Usings time range = 0.000 to 154.375 msec Peak accel = 34.01 @ 58.500
HIC = 103.51 Interval from 47.625 [542] to 147.750 [1343]
HIC = 69.28 Interval from 52.250 [579] to 67.250 [699]

CSTRG1

[SLED,BREED]TRC420RF,RAD#1 VRTC RD384-4-19
BREED AIRBAG SLED PROGRAM 30.0 mph 85114 24-APR-85 15:38:11
Deltax: 0.125

3 MS CLIF PEAK: 31.99604

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak.

Enter channel name -> EXIT

Enter input filespec -> EXIT

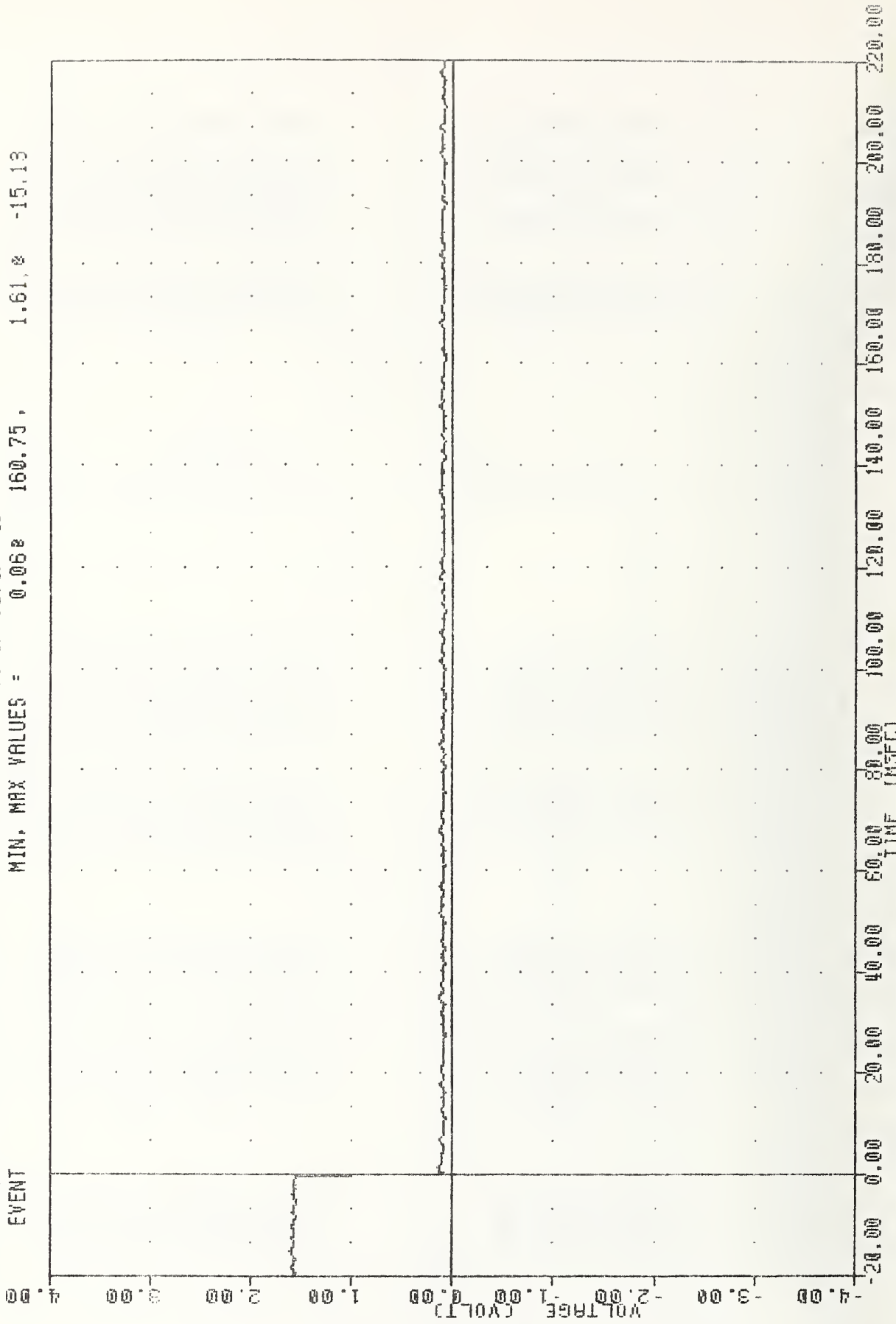
‡

NRTC , 80364-4-19
BREED AIRBAG SLED PROGRAM
05114
EVENT

PLOT DATE 25-APR-85 12:50:02

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.068 160.75, 1.618 -15.13



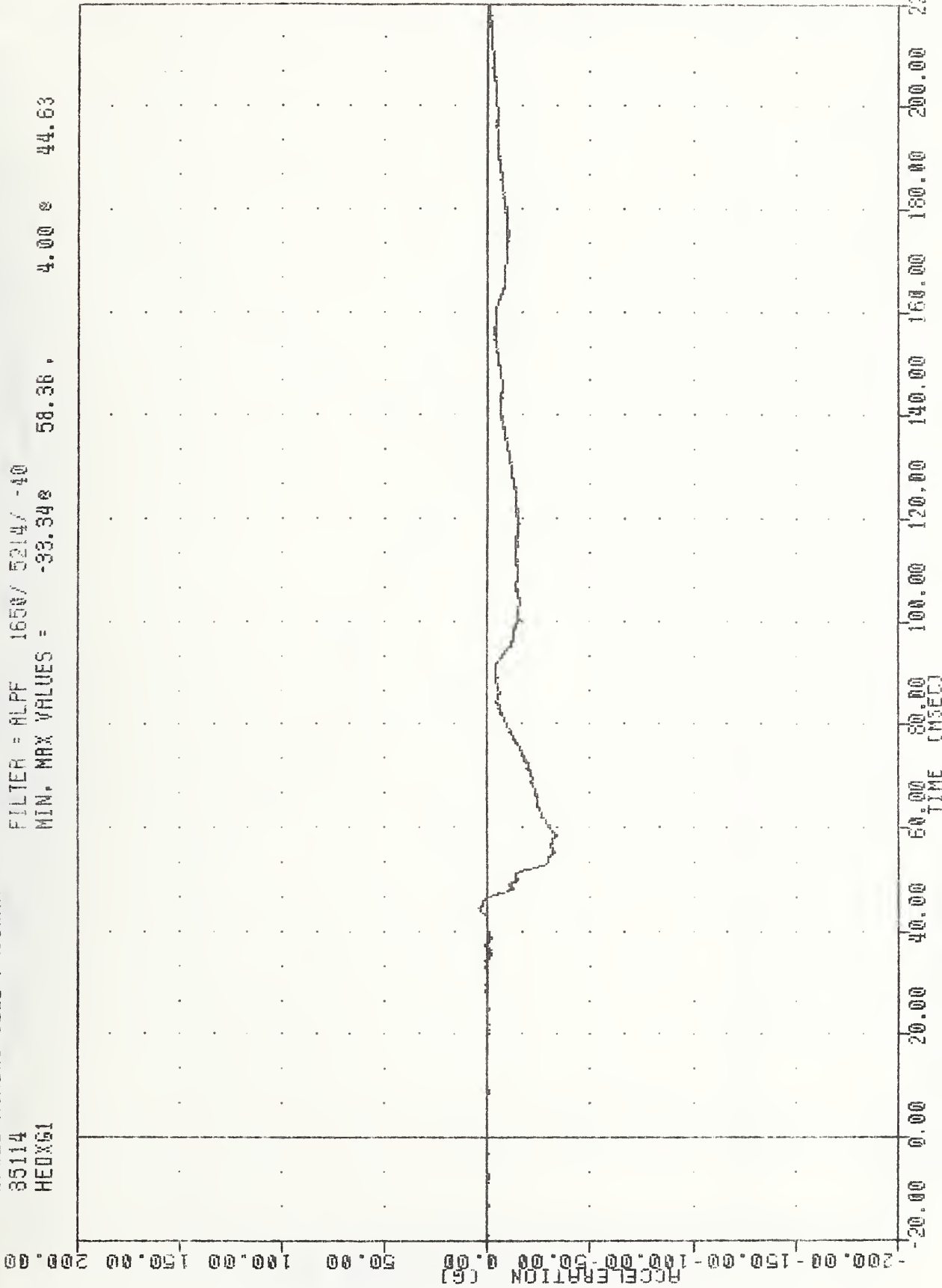
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
EVENT

VRTC , R0384-4-19
BREED AIRBAG SLED PROGRAM
35114
HEAD51

PLUT DATE 25-APR-85 12:50:42

FILTER = ALPF 1650/ 5214/ -40

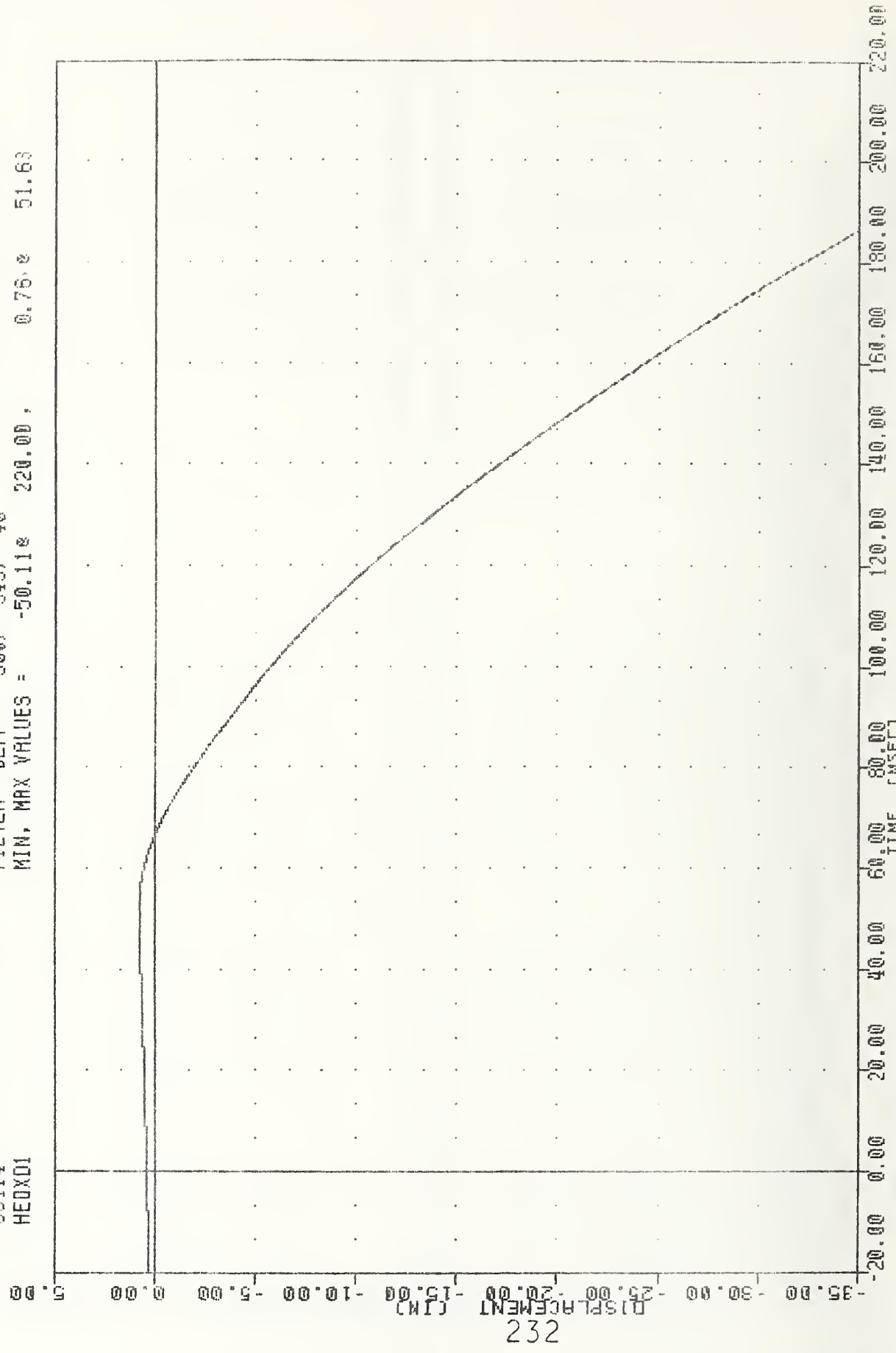
MIN. MAX VALUES = -33.34g 58.36g 4.00g 44.63g



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC
85114
HEOXD1
BRED AIRBAG SLED PROGRAM

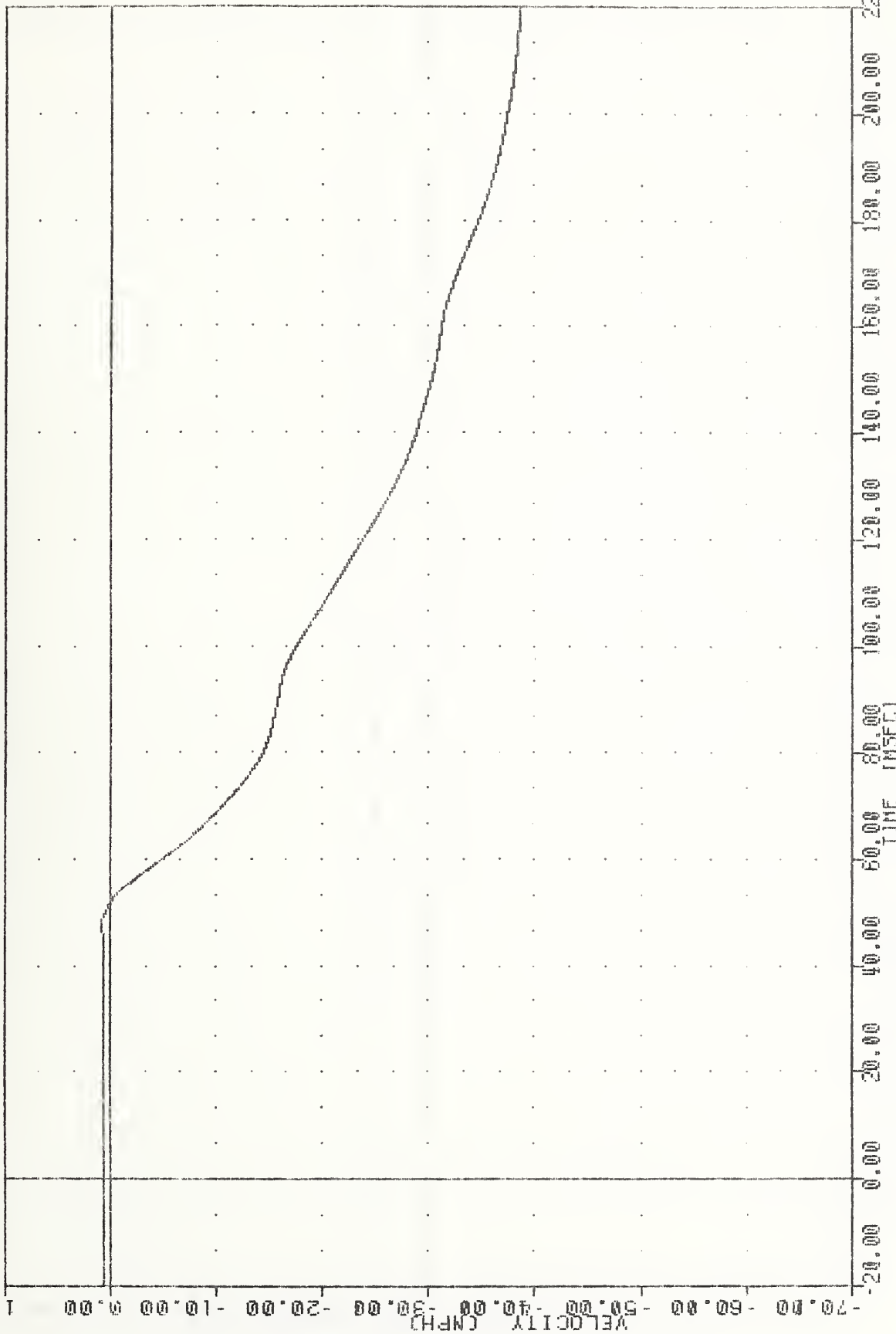
PLOT DATE 25-APR-85 14:13:11
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -50.11e 220.00, 0.75e 51.63



232

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING HEDXVI

VRTC 85114 HEDXV1
 BREED AIRBAG SLED PROGRAM
 85114 HEDXV1
 PLOT DATE 25-APR-85 14:13:11
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -38.68% 220.00, 0.78 s 47.75

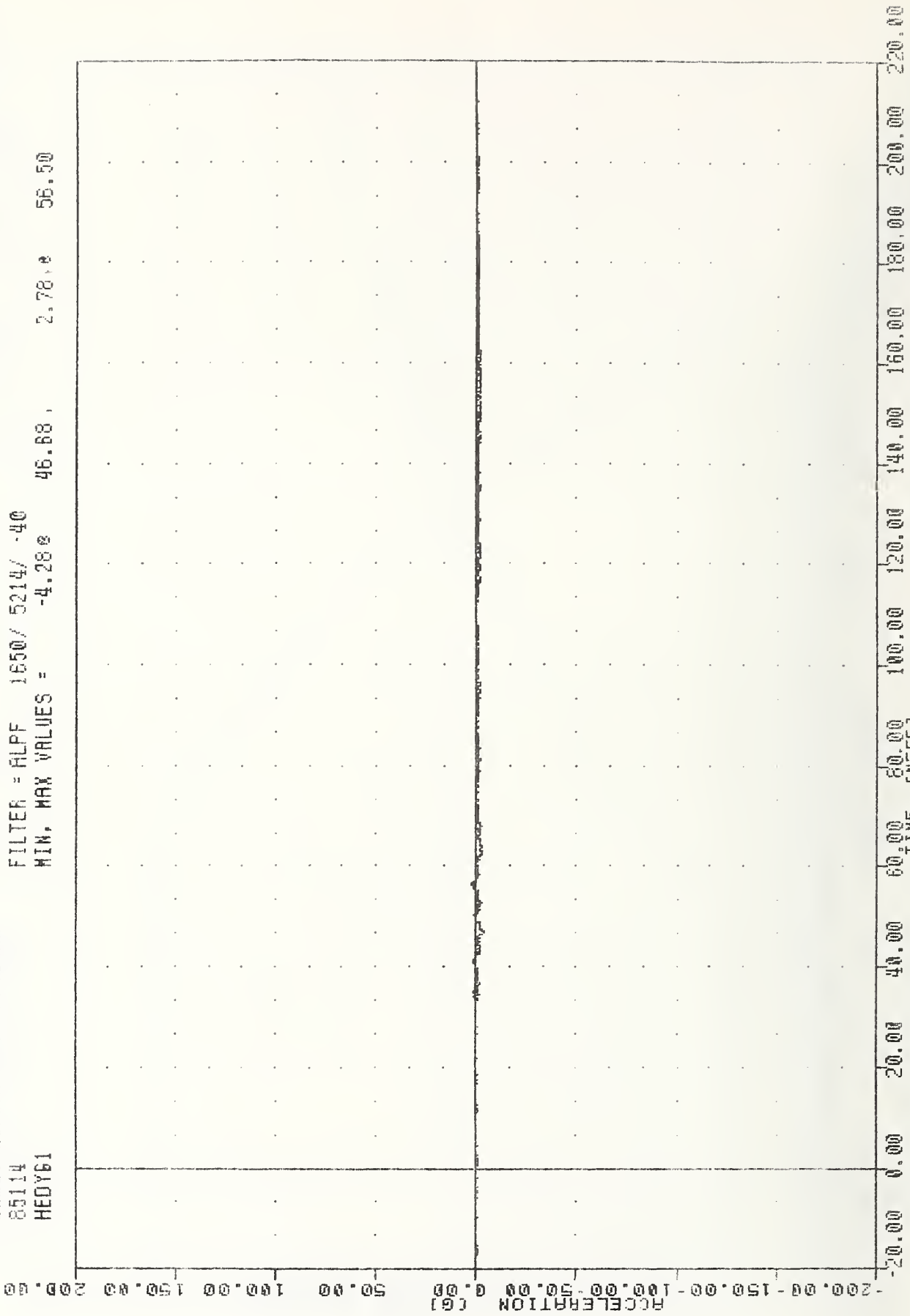


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DELTA V USING HEDXG1

WATC , R0384-4-19
 BREED AIRBAG SLED PROGRAM
 85114
 HEDY61

PLOT DATE 25-APR-85 12:50:02

FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -4.28g 46.68 , 2.78g 56.50



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

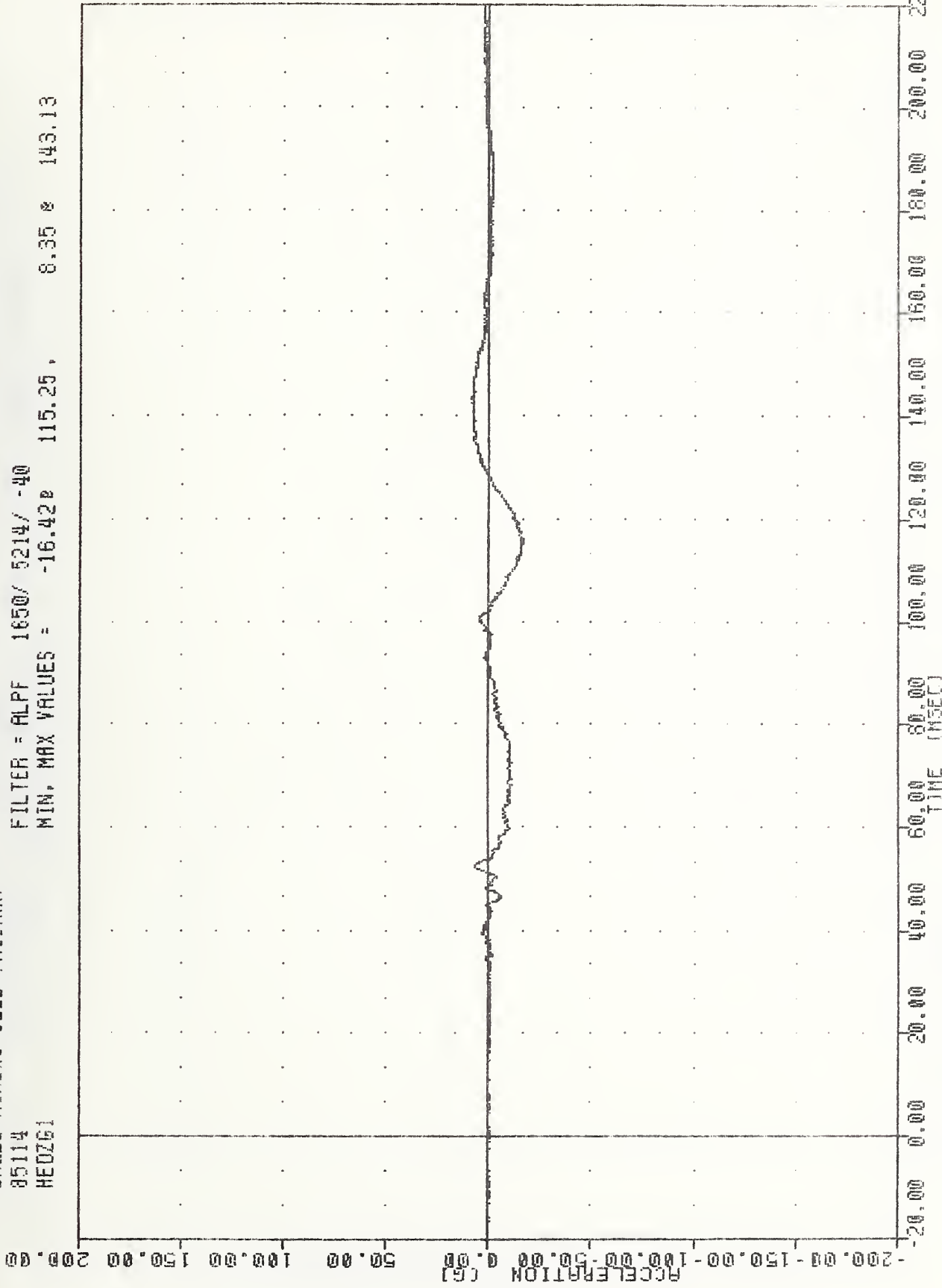
PLOT DATE 25-APR-85 12:50:02

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -16.420 115.25, 8.35 143.13

VRTC , RD384-4-19
BREED AIRBAG SLED PROGRAM

05114
HE0261

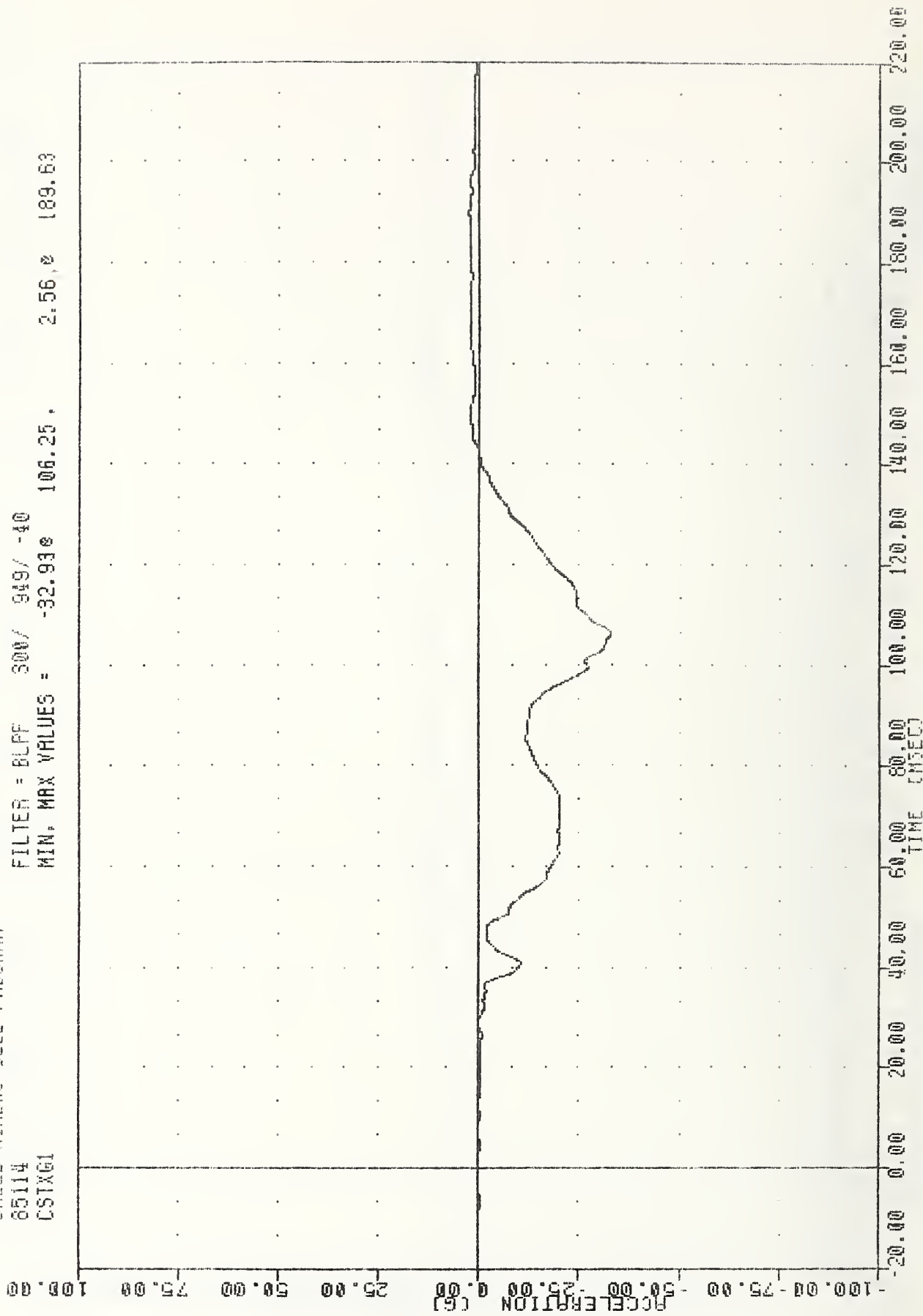


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z A75

VRIC , RC364-4-19
SPEED AIRING SLED PROGRAM
65114
CSTXG1

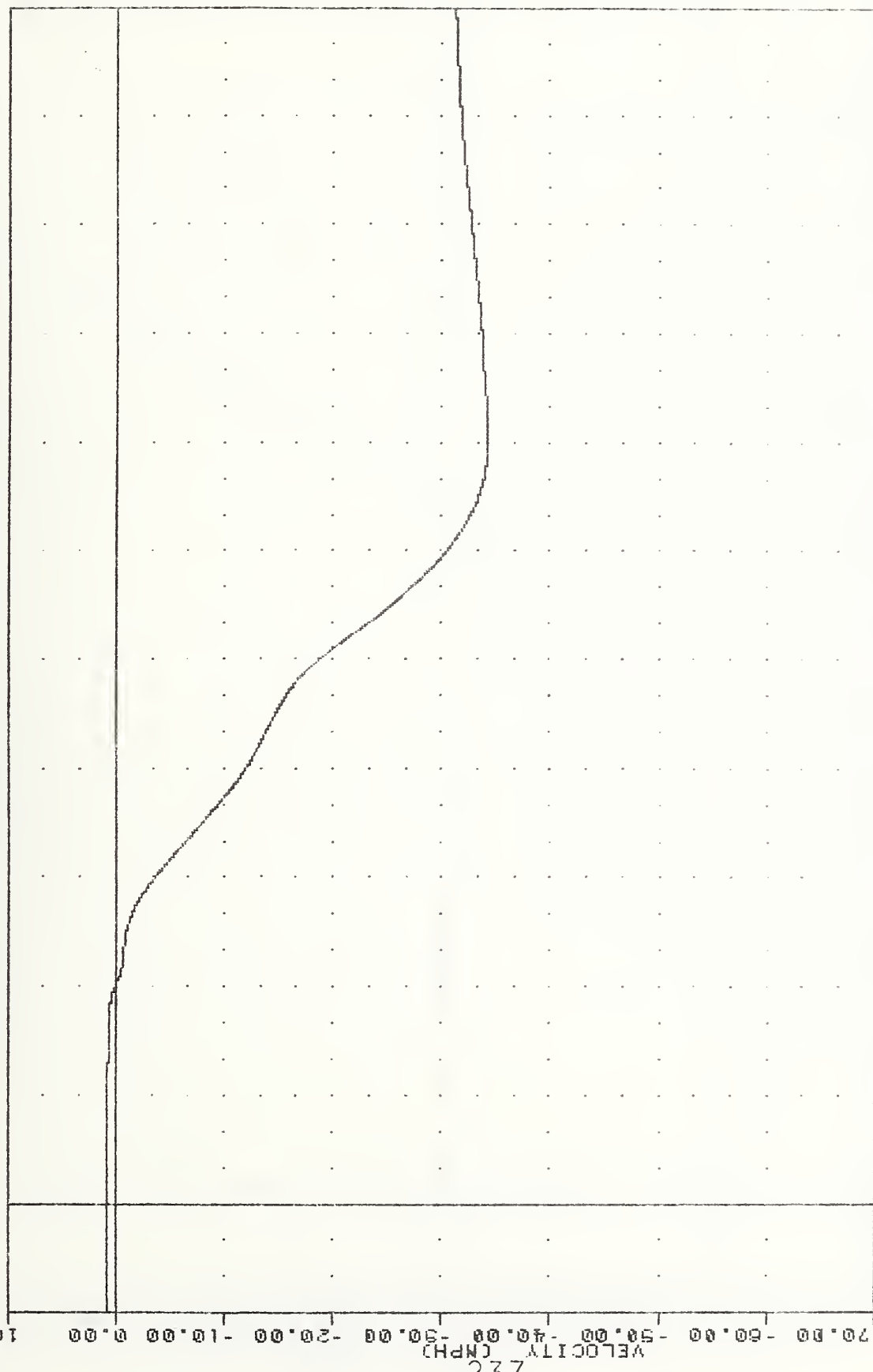
PLOT DATE 25-APR-85 12:50:02

FILTER = BLFF 300/ 949/ -40
MIN, MAX VALUES = -32.93e 106.25, 2.56, e 189.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-19 PLOT DATE 25-APR-85 14:13:11
 SREED AIRBAG SLED PROGRAM
 85114 FILTER = BLPF 300/ 949/ -40
 CSTXV1 MIN. MAX VALUES = -34.27 142.00 0.62 e -12.88



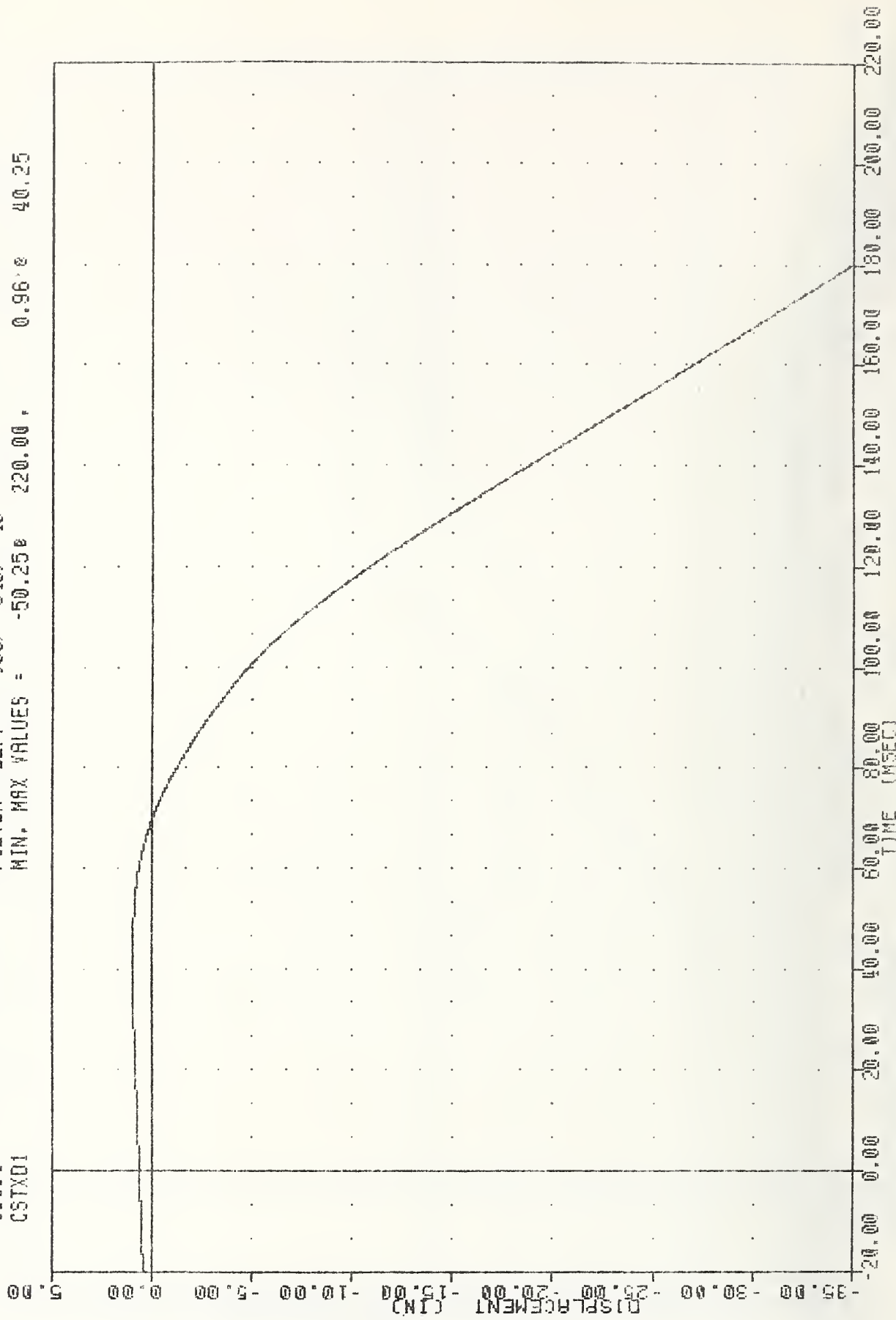
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DELTA V USING CSTXG1

VRTC , R0384-4-19
BREED AIRBAG SLED PROGRAM
85114
CSTXD1

PLOT DATE 25-APR-85 14:13:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -50.25e 220.00 , 0.96e 40.25



238

CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING CSTXVI

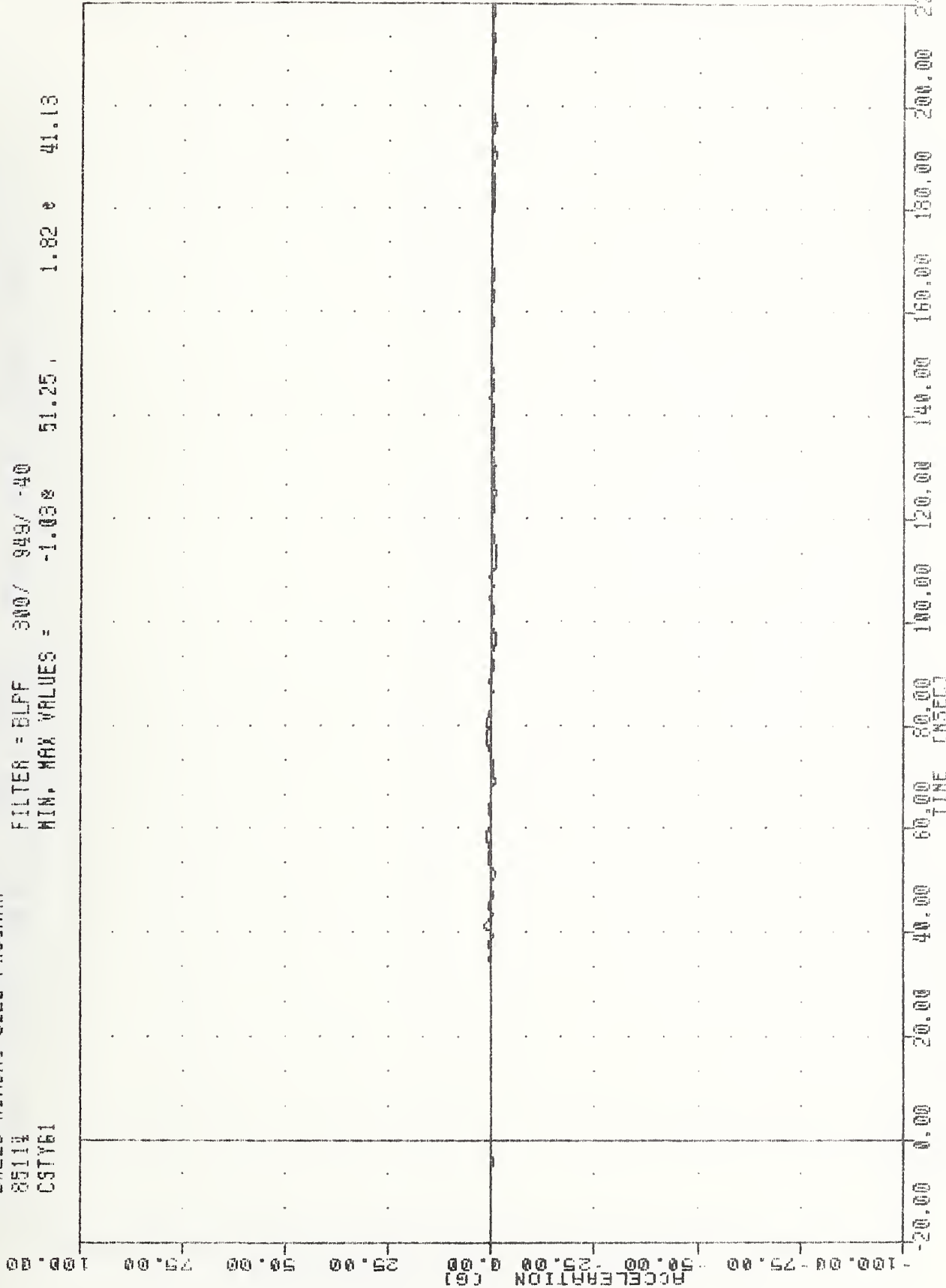
VATC
85112
CSTY61

RO384-4-19
25-APR-85 12:50:02

BREED AIRBAG SLED PROGRAM

FILTER = BLFF 300/ 949/ -40

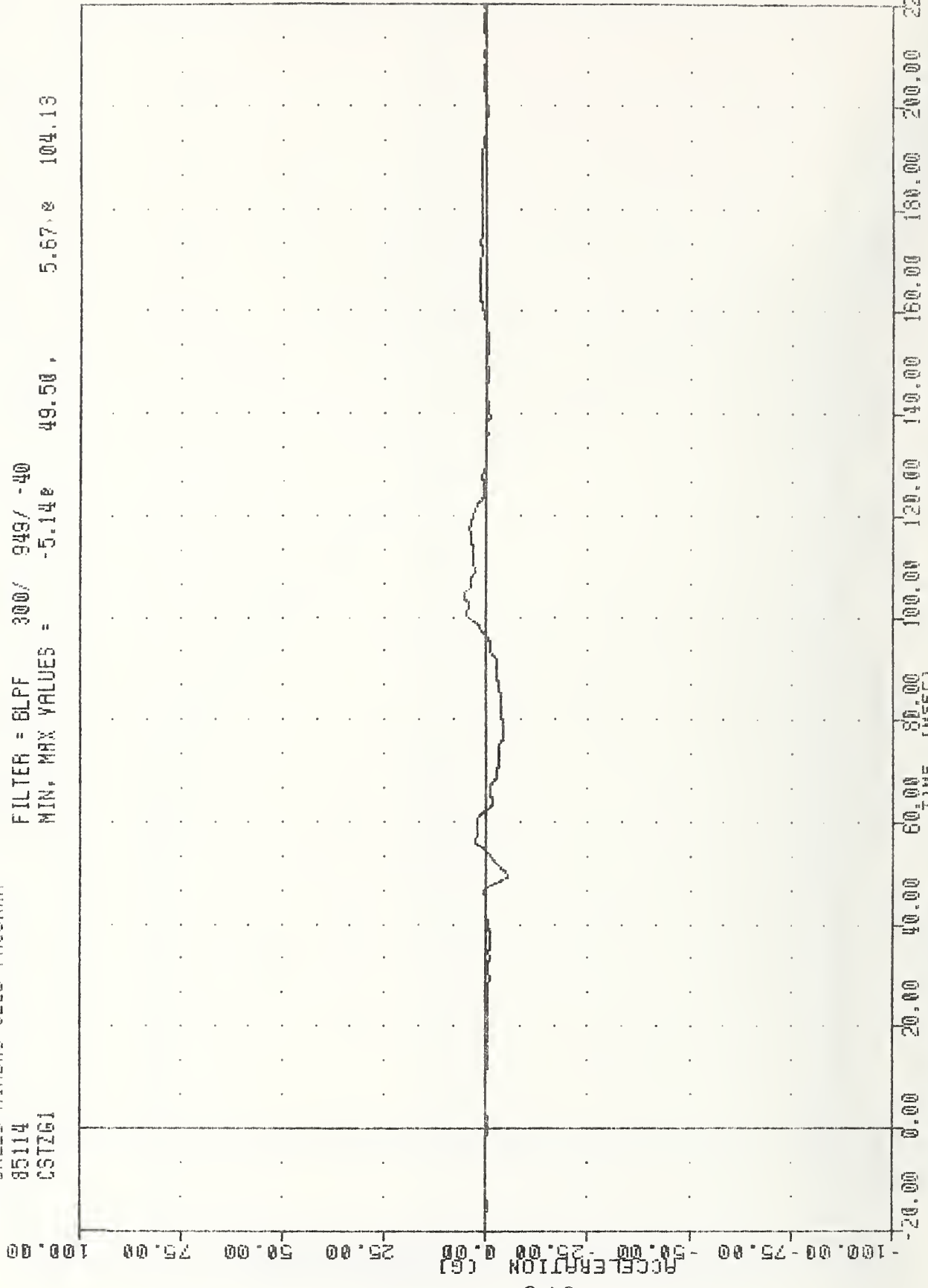
MIN. MAX VALUES = -1.03% 51.25 , 1.82 * 41.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC 85114 CST261
BREED AIRBAG SLED PROGRAM

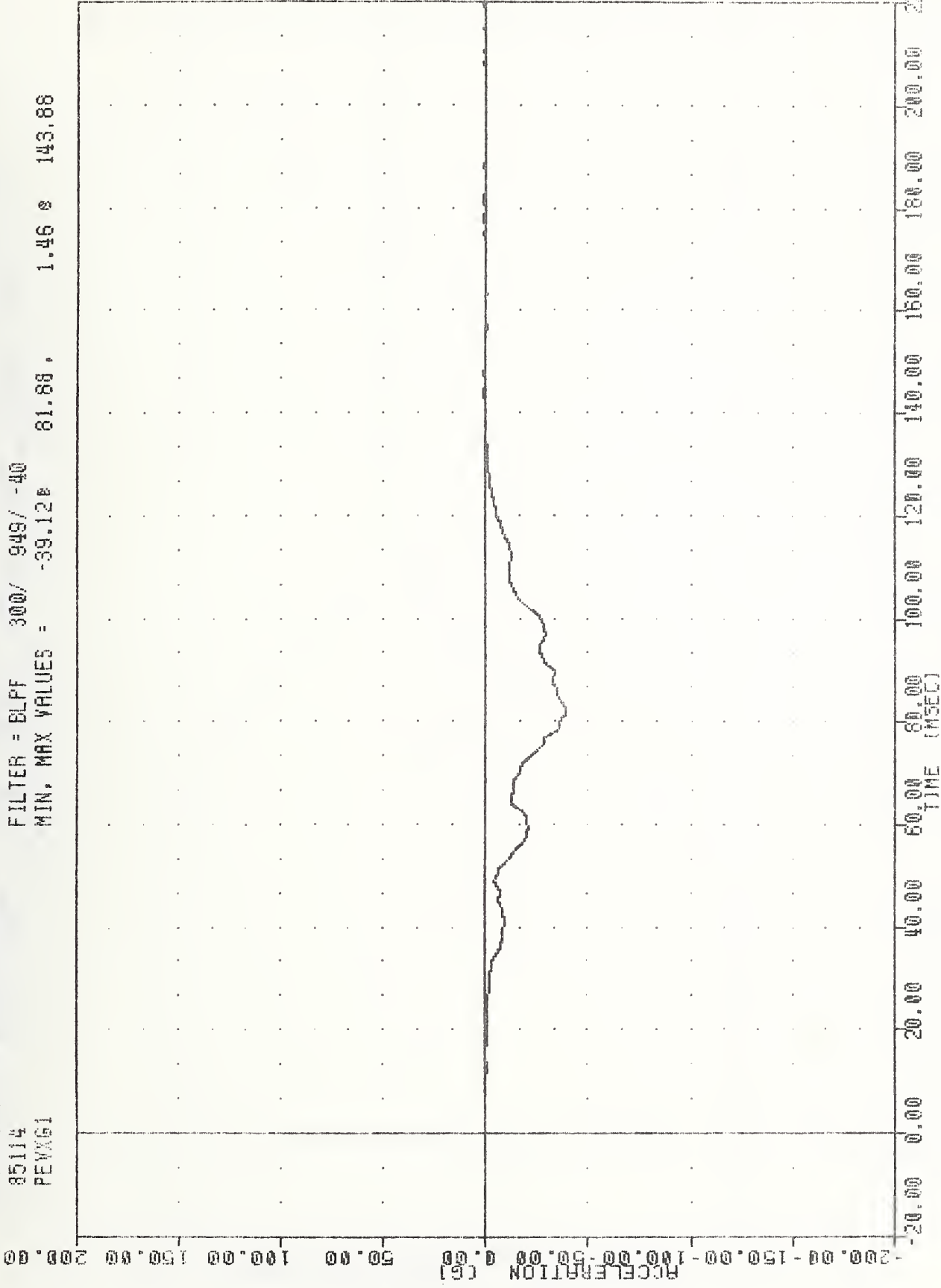
PLOT DATE 25-APR-85 12:50:02
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -5.14e 49.50, 5.67e 104.13



240

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-19 PLOT DATE 25-APR-85 12:50:02
 BREED AIRBAG SLED PROGRAM
 85114 FILTER = BLPF 300/ 949/ -40
 PEVX61 MIN. MAX VALUES = -39.12g 81.88g 1.46g 143.88g



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER PELVIS ACCELERATION X AXIS

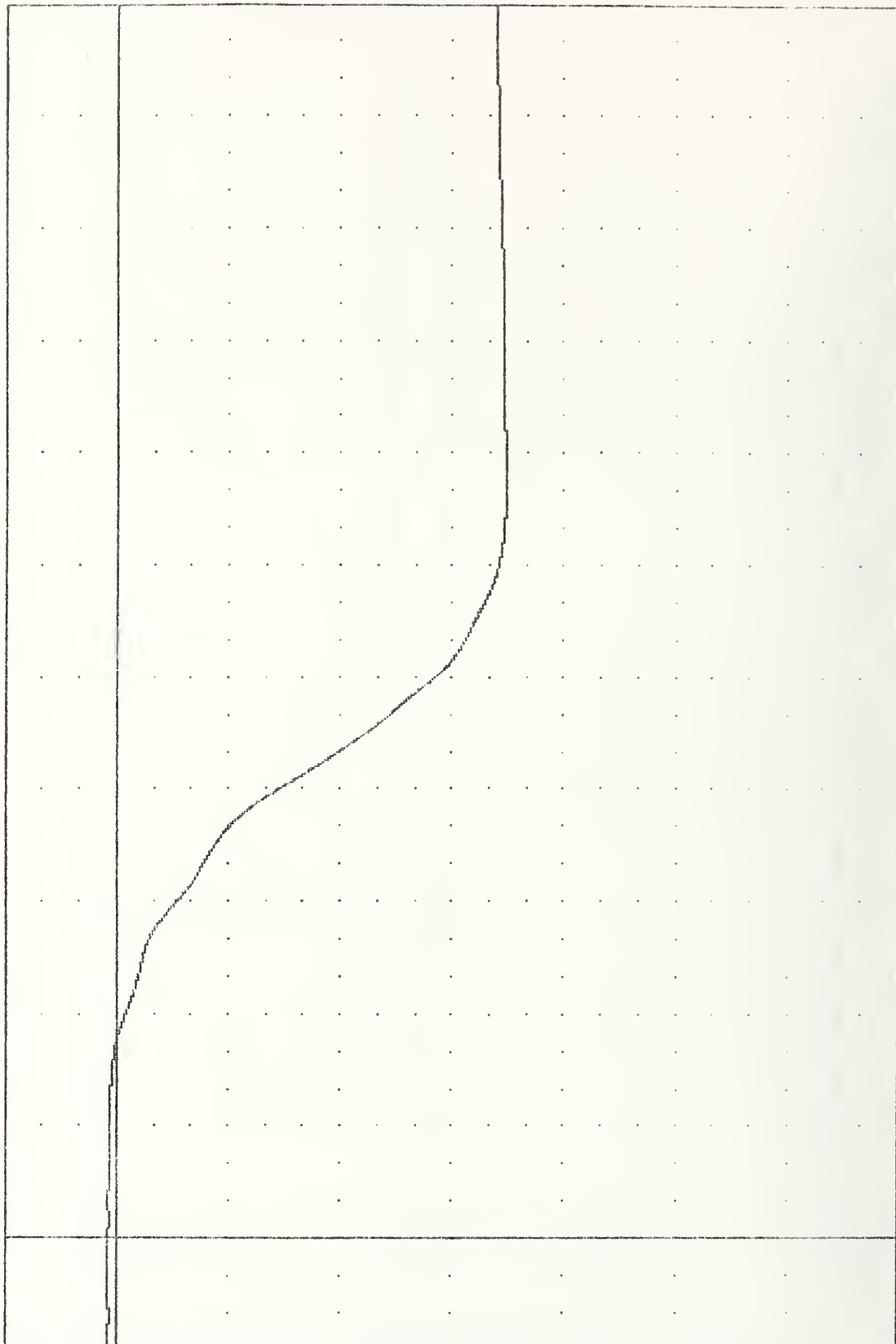
VRTC , RD364-4-19
BREED AIRBAG SLED PROGRAM
85114
PENXV1

PLOT DATE 25-APR-85 14:13:11

FILTER = BLPF 300/ 919/ -10
MIN. MAX VALUES = -34.828 134.88 , 0.72, e -1.68

10.00
0.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00

VELOCITY (MPH)



80.00
100.00
120.00
140.00
160.00
180.00
200.00
220.00

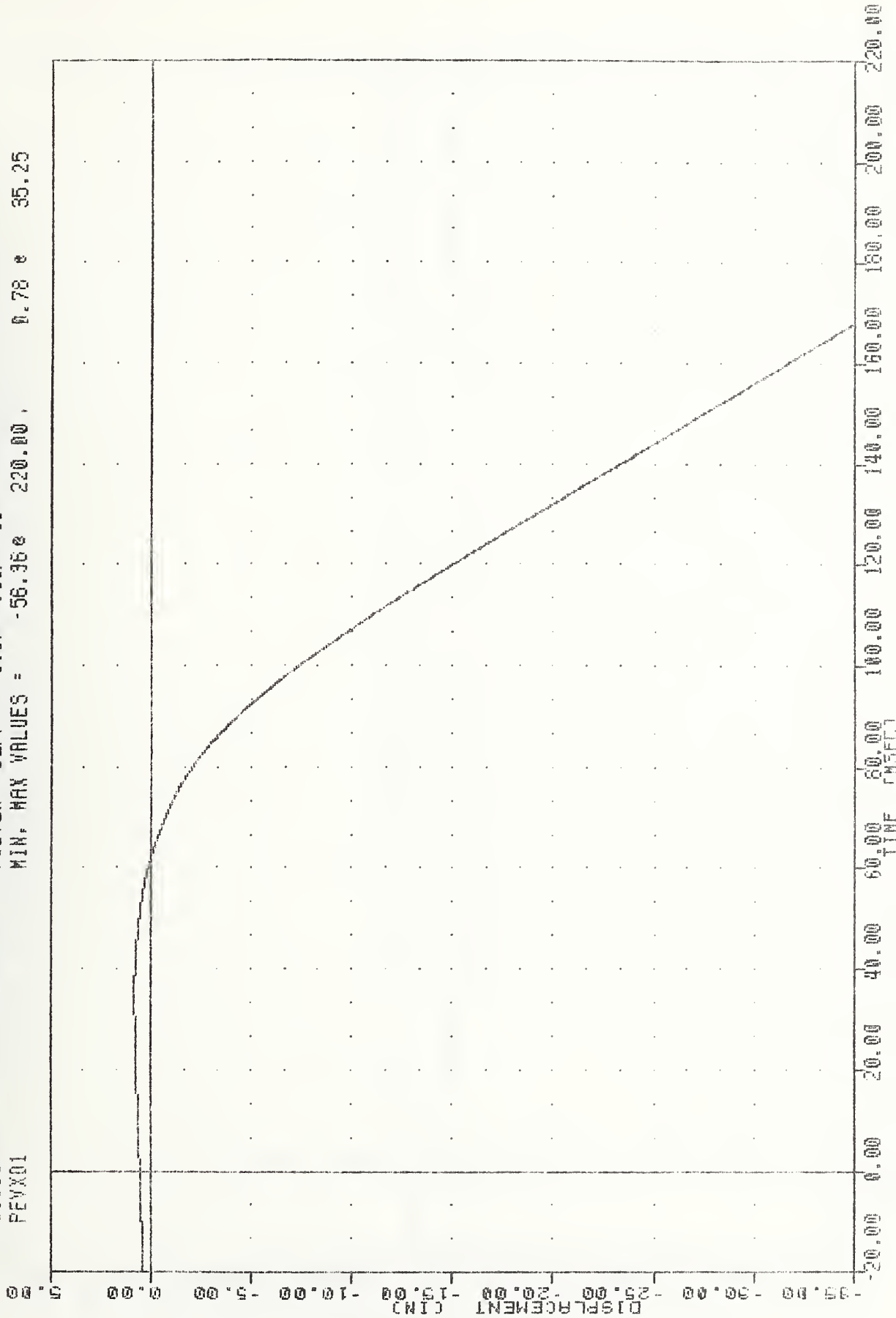
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING PEVXG1

VRTC , RD334-4-19
BREED HIRAR6 SLED PROGRAM
85114
PEVX01

PLT DATE 25-APR-85 14:13:11

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -56.36e 220.00 , 0.78 e 35.25

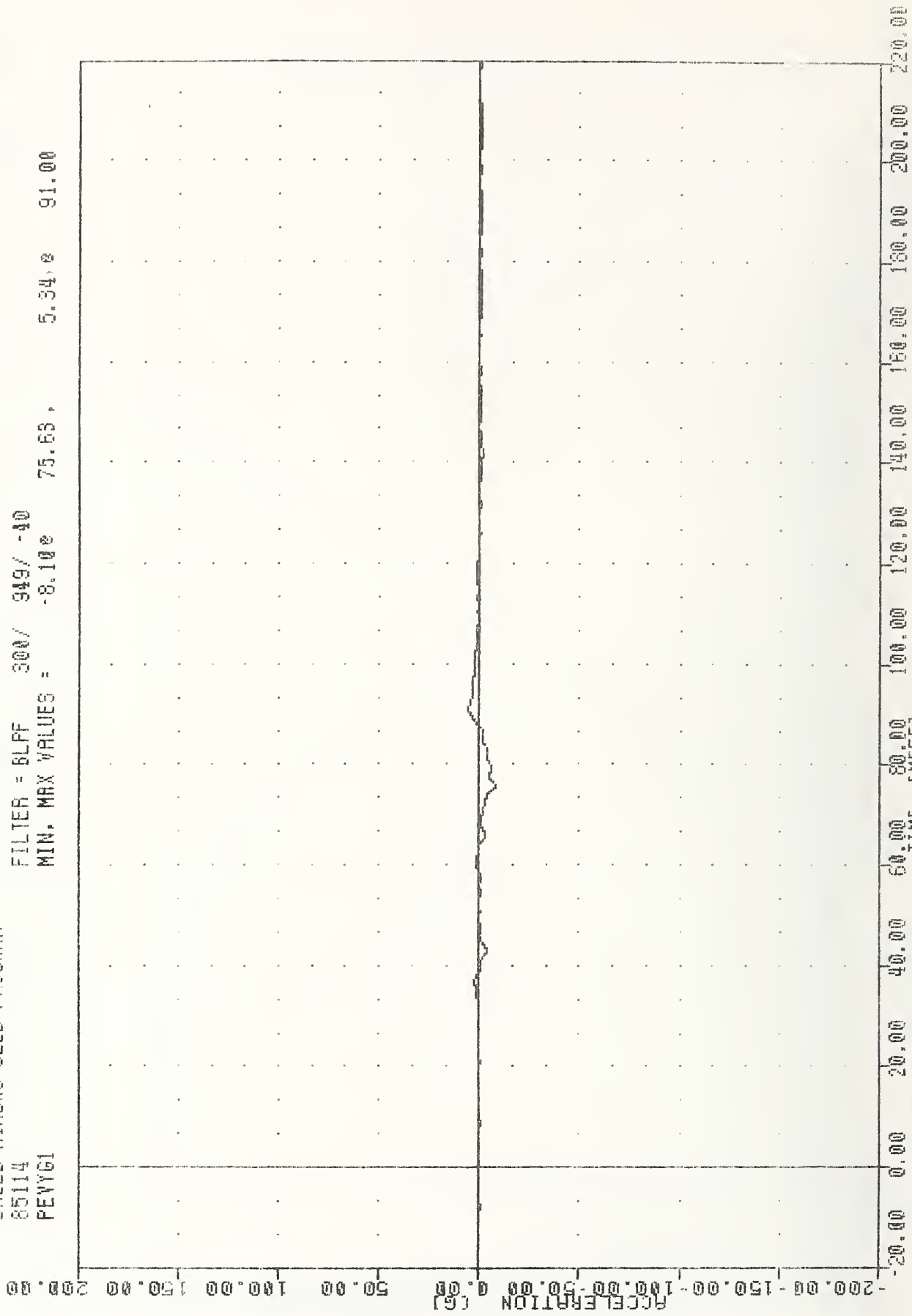


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING PEVXVI

VRTC , R0384-4-19
BREED AIRBAG SLED PROGRAM
85114
PEVYGI

PLOT DATE 25-APR-85 12:50:02

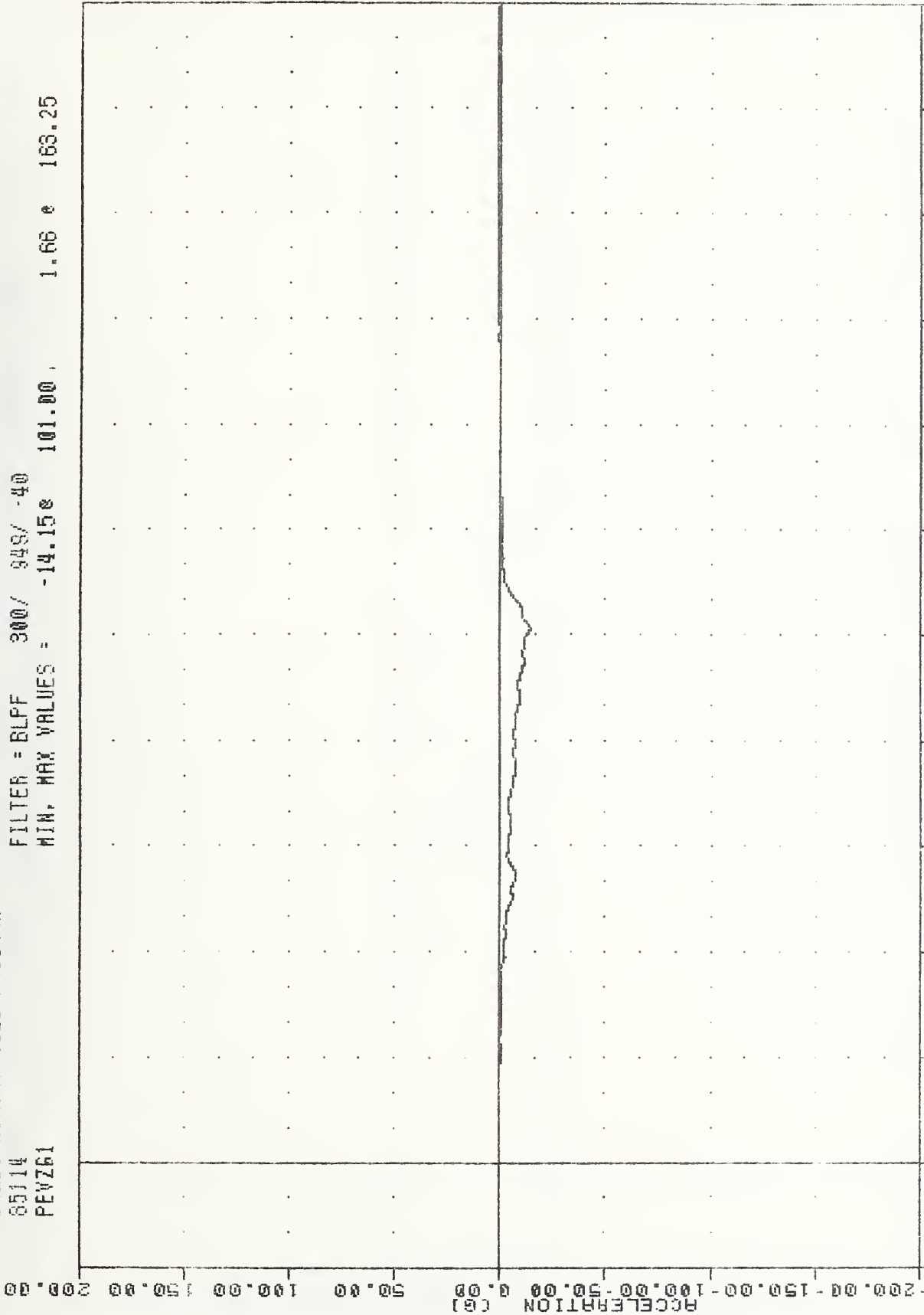
FILTER = 6LPF 300/ 949/ -40
MIN. MAX VALUES = -8.10e 75.63, 5.34e 91.00



244

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

WRTC . R0384-4-19 PLOT DATE 25-APR-85 12:50:02
 BREED AIRBAG SLED PROGRAM FILTER = BLPF 300/ 949/ -40
 85114 MIN. MAX VALUES = -14.15e 101.00, 1.66 e 163.25
 PEVZ61

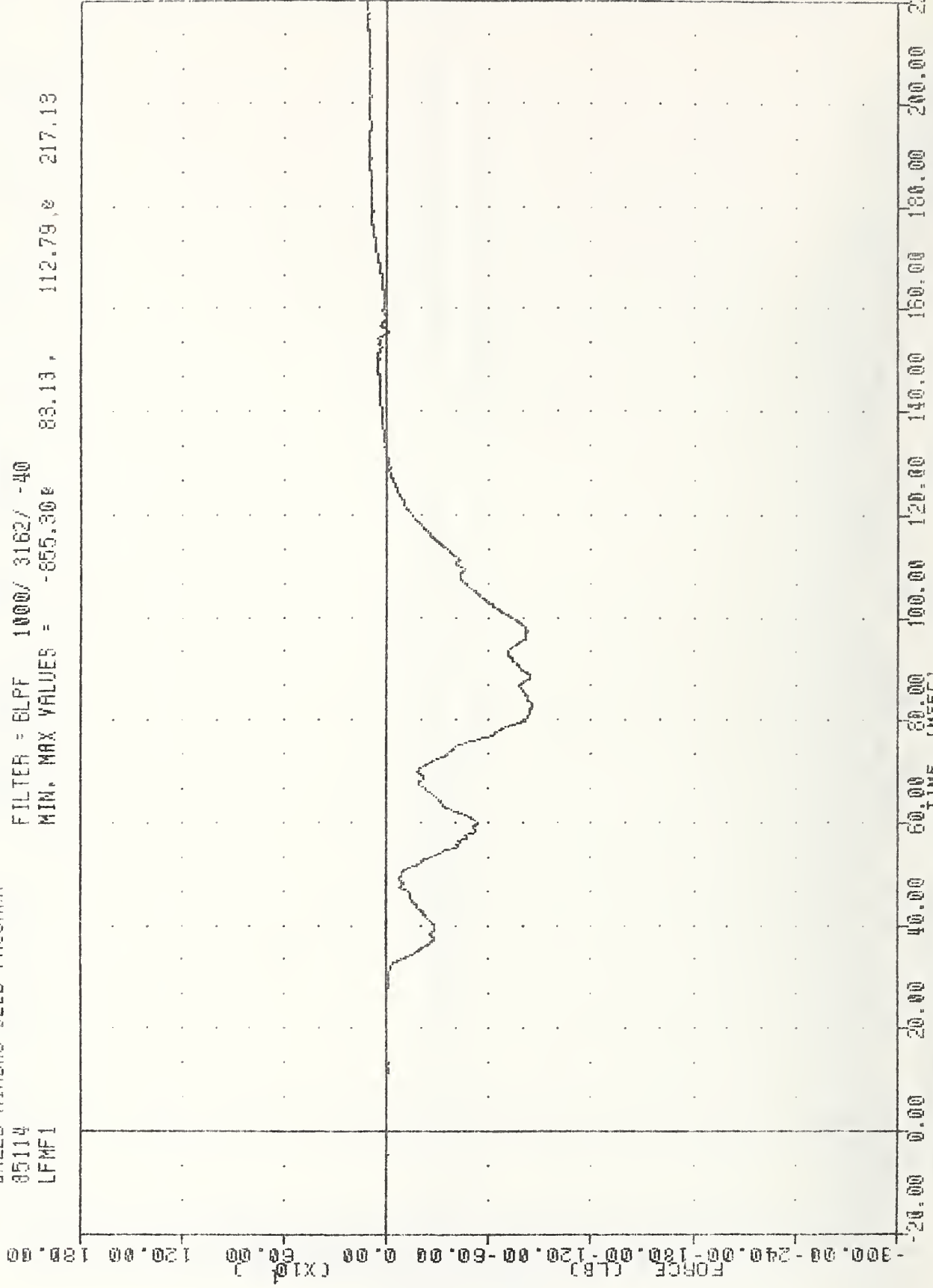


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (INSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER PELVIS ACCELERATION Z (AVG)

VATIC , 60384-4-19
BRAED AIRBAG SLED PROGRAM
85114
LFMF1

PLOT DATE 25-APR-85 12:50:02

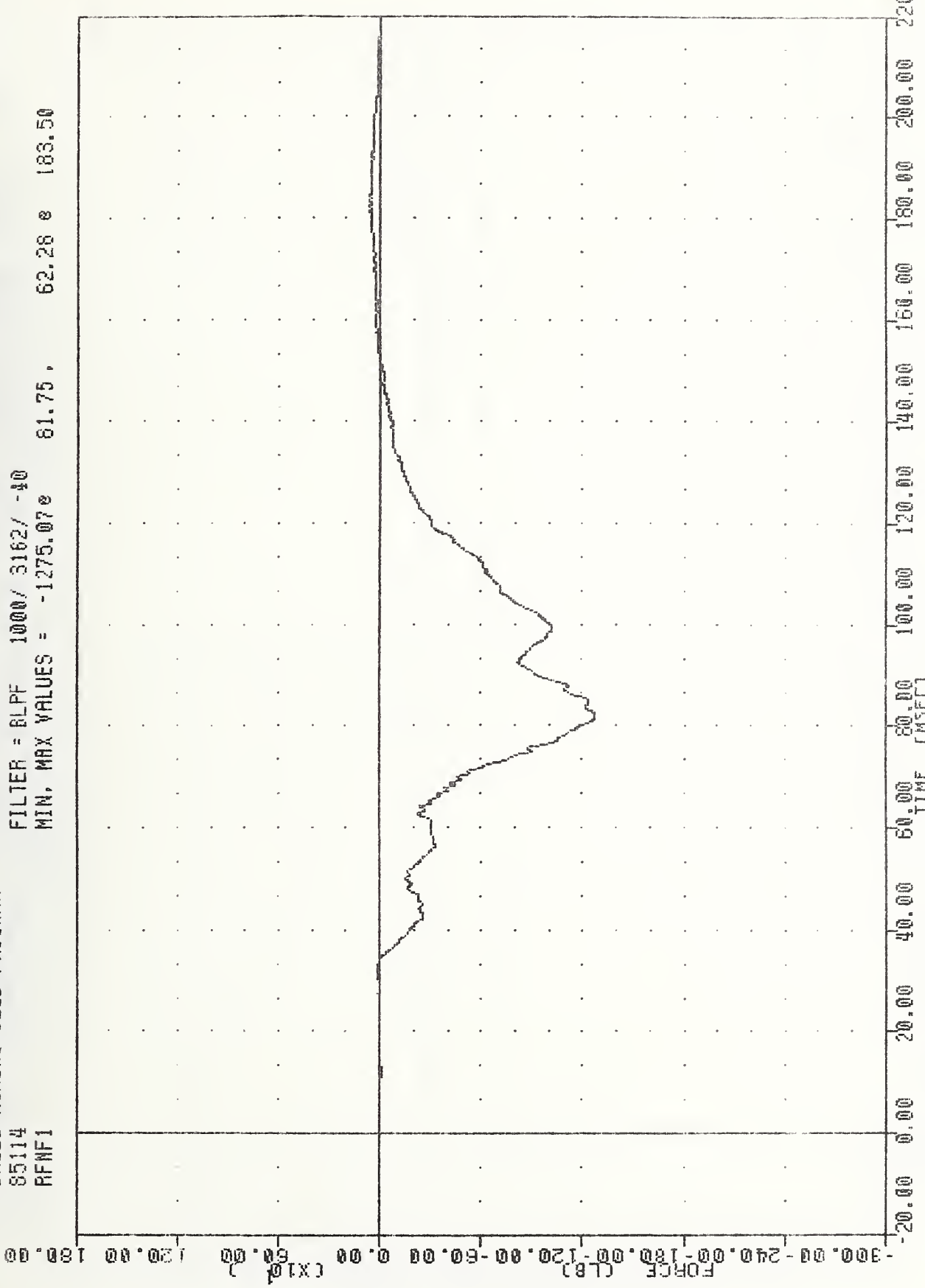
FILTER = 6LFF 1000/ 3162/ -40
MIN. MAX VALUES = -855.30e 83.13 , 112.79,e 217.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , R0384-4-19
BRAED AIRBAG SLED PROGRAM
85114
RFNF1

PLOT DATE 25-RFR-85 12:50:02
FILTER = 6LPF 1000/ 3162/ -40
MIN, MAX VALUES = -1275.07e 81.75, 62.26 e 183.50

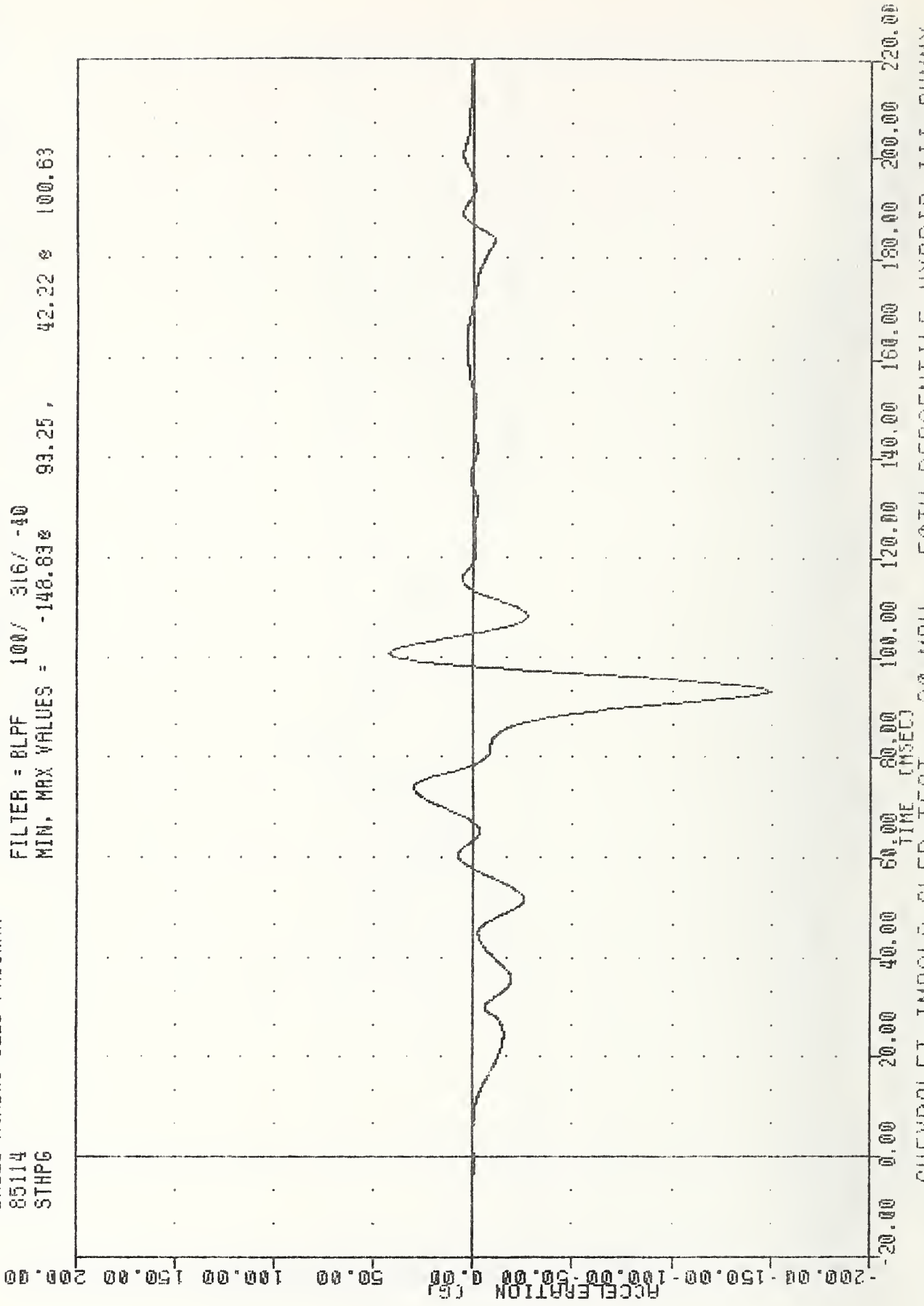


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT FEMUR FORCE

VRIC , RD384-4-19
BREED AIRBAG SLED PROGRAM
85114
STHPG

PLOT DATE 25-APR-85 12:50:02

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -140.83% 93.25 , 42.22 % 100.63



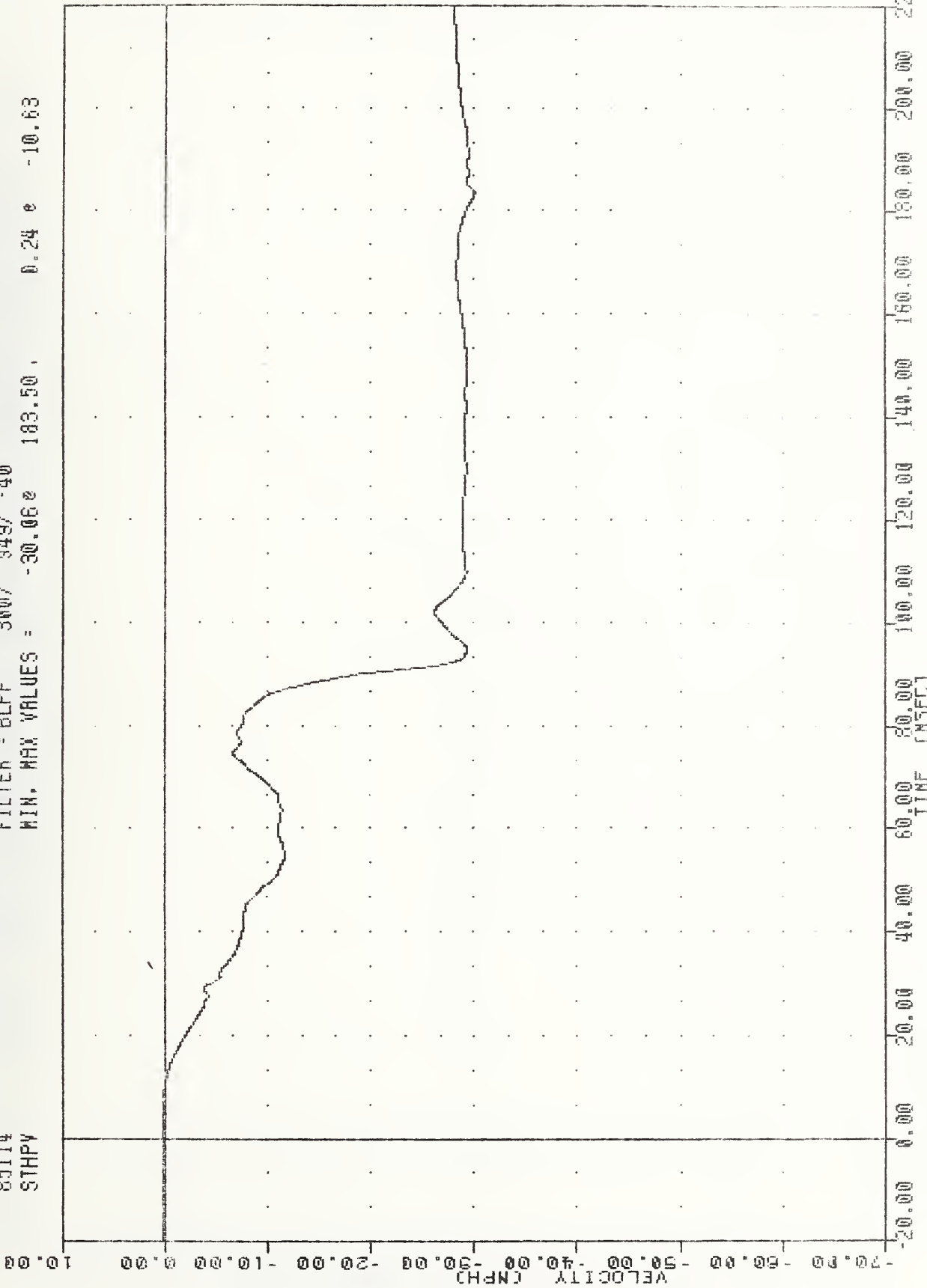
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VRTC . R0384-4-19
BREED AIRBAG SLED PROGRAM
85114
STHPV

PLOT DATE 25-APR-85 14:13:11

FILTER = BLPF 300/ 849/ -40

MIN. MAX VALUES = -30.06e 183.50 , 0.24 e -10.63

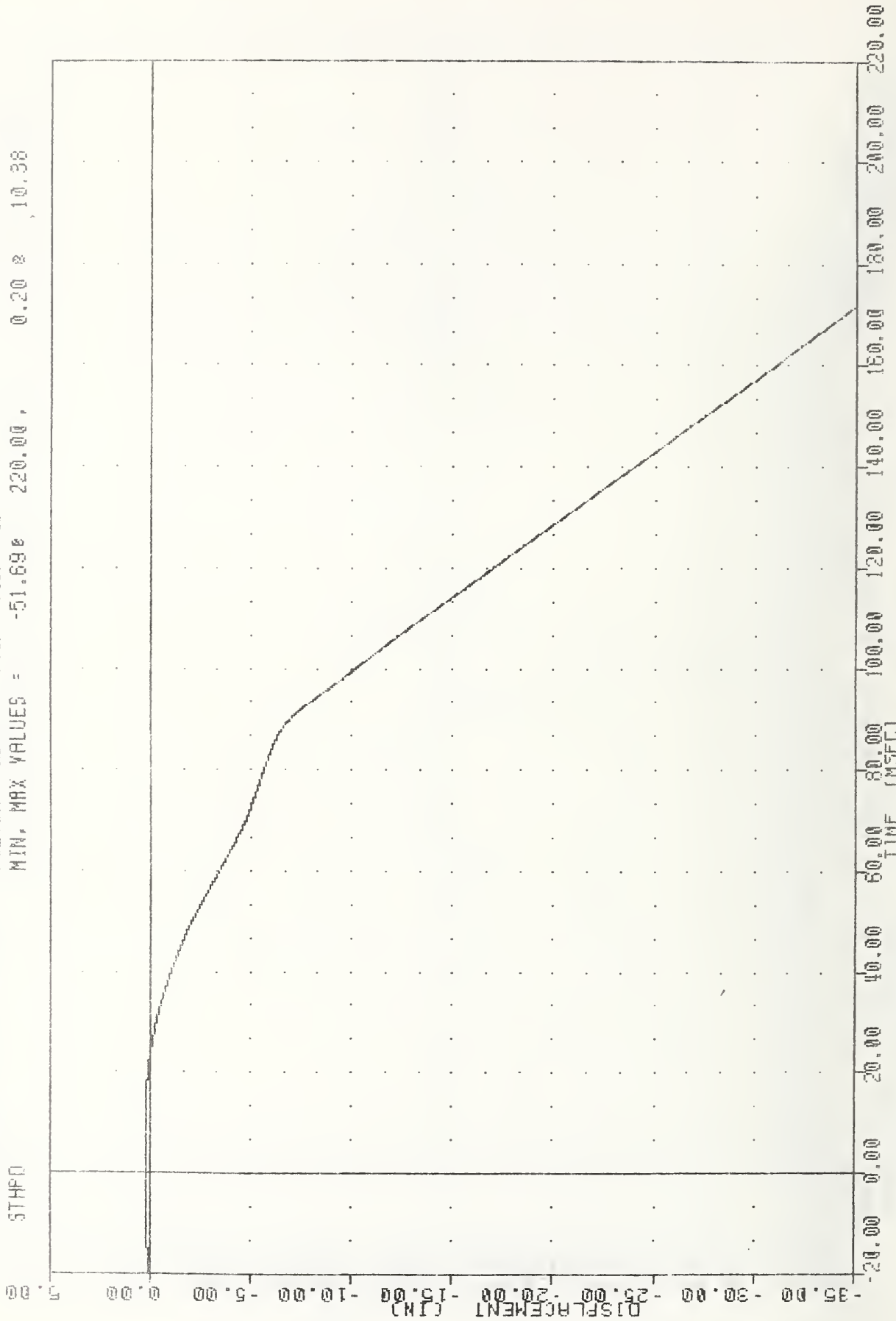


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DATA V USING STHPV

VRTC , R0384-4-19
BREEO AIRBAG SLED PROGRAM
85114
STHFD

PLOT DATE 25-APR-85 14:13:11

FILTER = SLPF 300/ 945/ -40
MIN. MAX VALUES = -51.696 220.00 , 0.20 10.38



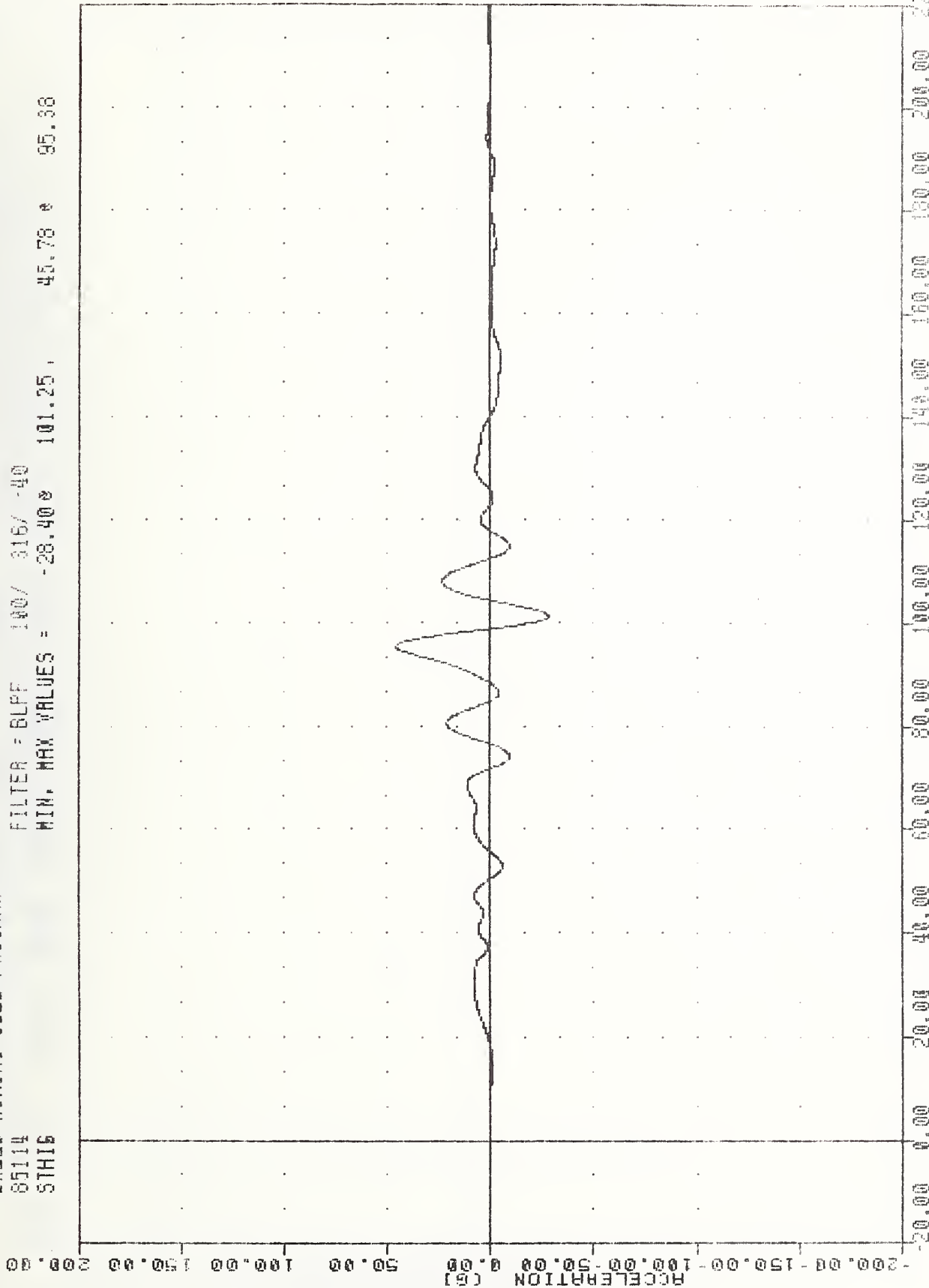
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING STHPV

V8TC
BRED AIRBAG SLED PROGRAM
85114
STH16

FLOT DATE 25-FEB-85 12:50:02

FILTER = BLFF 100/ 316/ -40

MIN. MAX VALUES = -28.40e 101.25 , 45.78 e 95.38

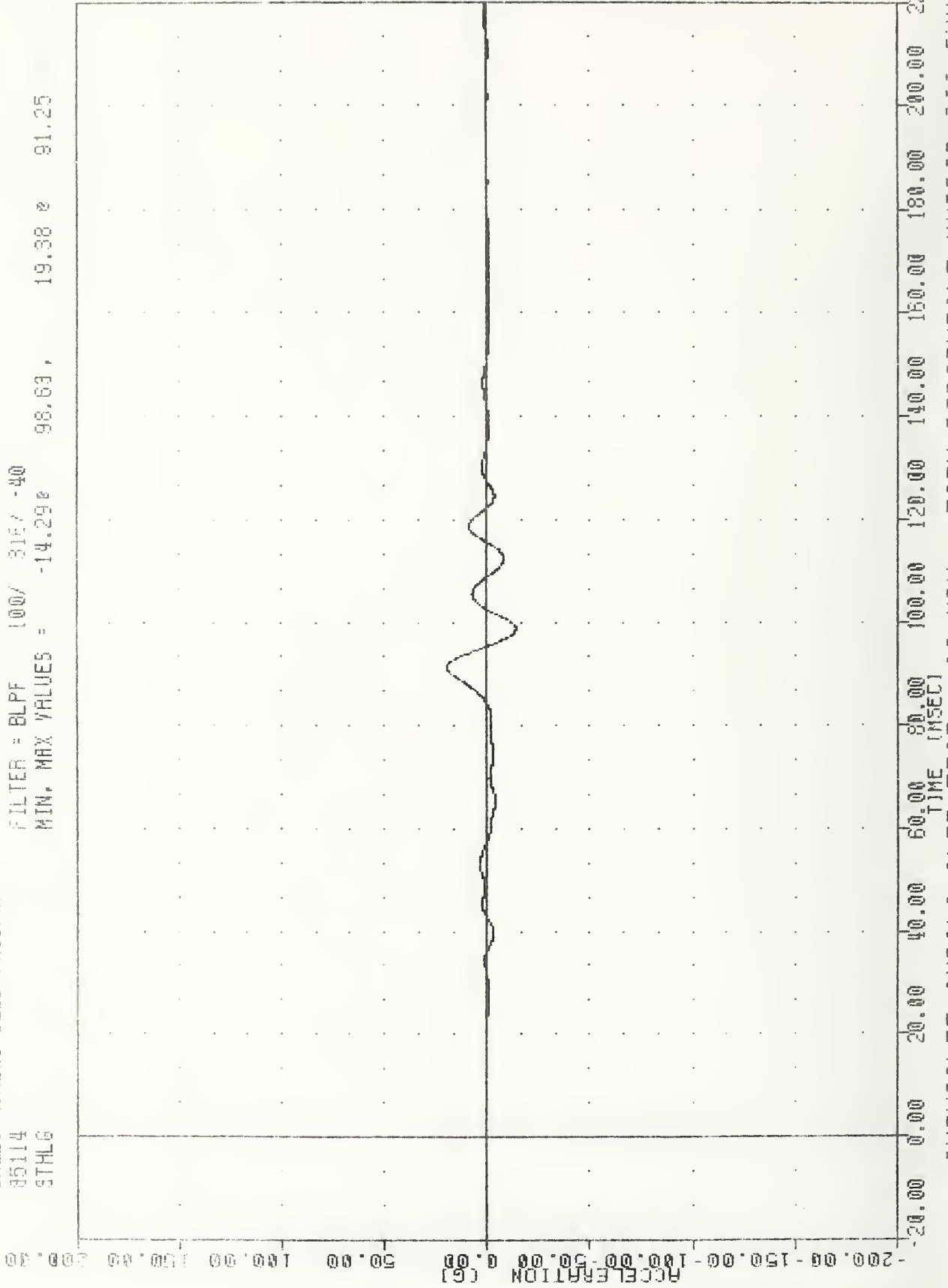


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUNN
STEERING COLUMN AIR POLLUTION T-8 PYS

VRTC
BREED AIRBAG SLED PROGRAM
85114
STHL6

RUN DATE = 25-APR-65 12:50:02
FILTER = BLPF 100/ 31E/ -40
MIN, MAX VALUES = -14.29e 98.63e 19.38e 81.25

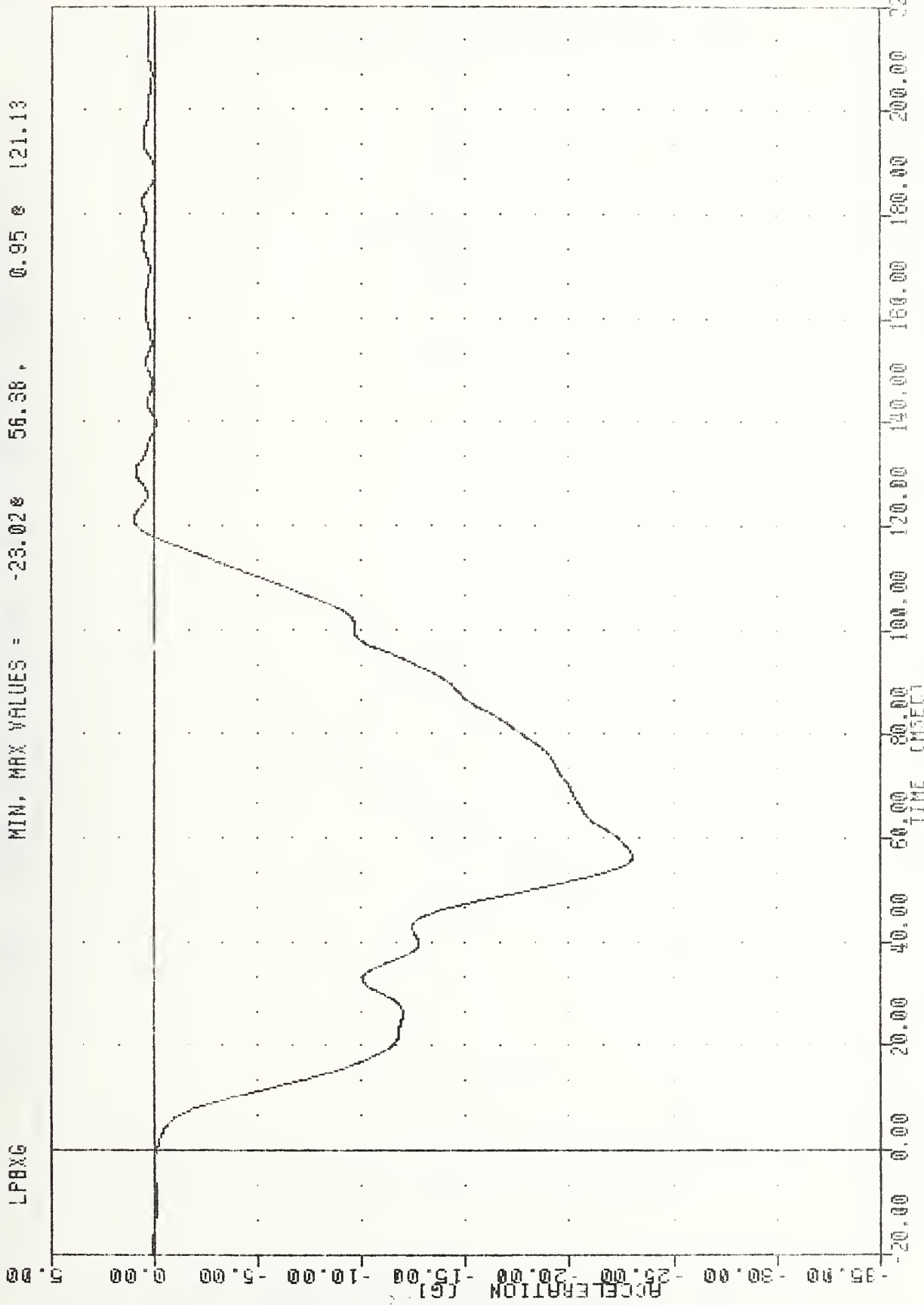


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

VRTC
85114
LPBXG

RD384-4-19
BREED AIRBAG SLED PROGRAM
FILTER = BLPF 100/ 318/ -40
MIN, MAX VALUES = -23.02% 56.38, 0.95% 121.13

PLOT DATE 25-APR-85 12:50:02



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID JTT DUMMY
PILAR TOP ACCELERATION (G)

WATC
 BREED AIRBAG SLED PROGRAM
 85114
 LPBXV
 PLOD DATE 05-14-85 10:13:11
 FILTER = 6LFF 30V 9997 -40
 MIN, MAX VALUES = -31.70e 114.36, 0.21 e -19.13



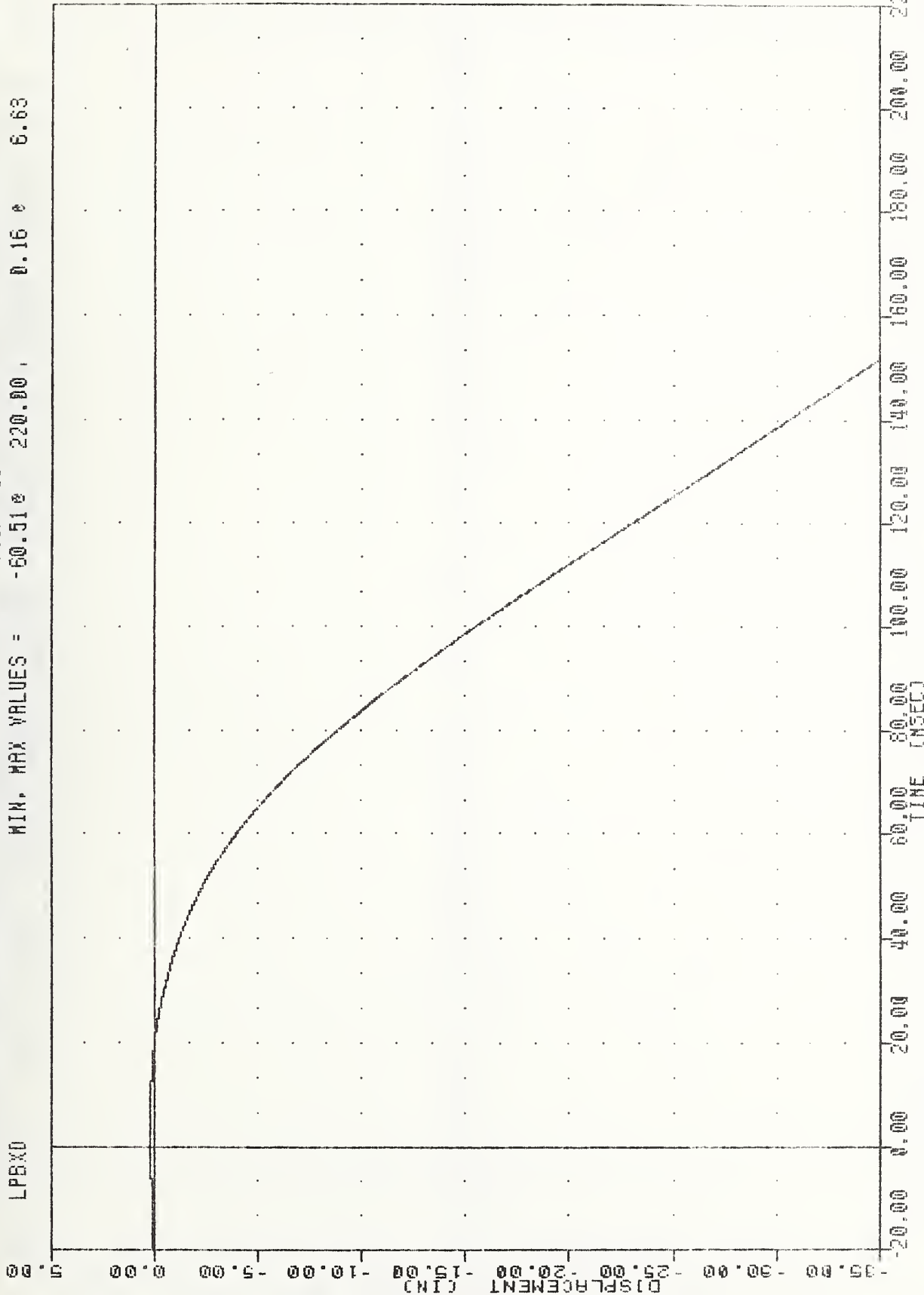
-40.00
 -35.00
 -30.00
 -25.00
 -20.00
 -15.00
 -10.00
 -5.00
 0.00
 5.00
 10.00
 15.00
 20.00
 25.00
 30.00
 35.00
 40.00
 45.00
 50.00
 55.00
 60.00
 65.00
 70.00
 75.00
 80.00
 85.00
 90.00
 95.00
 100.00
 105.00
 110.00
 115.00
 120.00
 125.00
 130.00
 135.00
 140.00
 145.00
 150.00
 155.00
 160.00
 165.00
 170.00
 175.00
 180.00
 185.00
 190.00
 195.00
 200.00
 205.00
 210.00
 215.00
 220.00
 CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DELTA V USING LPBXV

VRTC RD384-4-19
BREED AIRBAG SLED PROGRAM
25114
LPBXD

PLOT DATE 25-APR-85 14:13:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -60.51 220.00 0.16 6.63



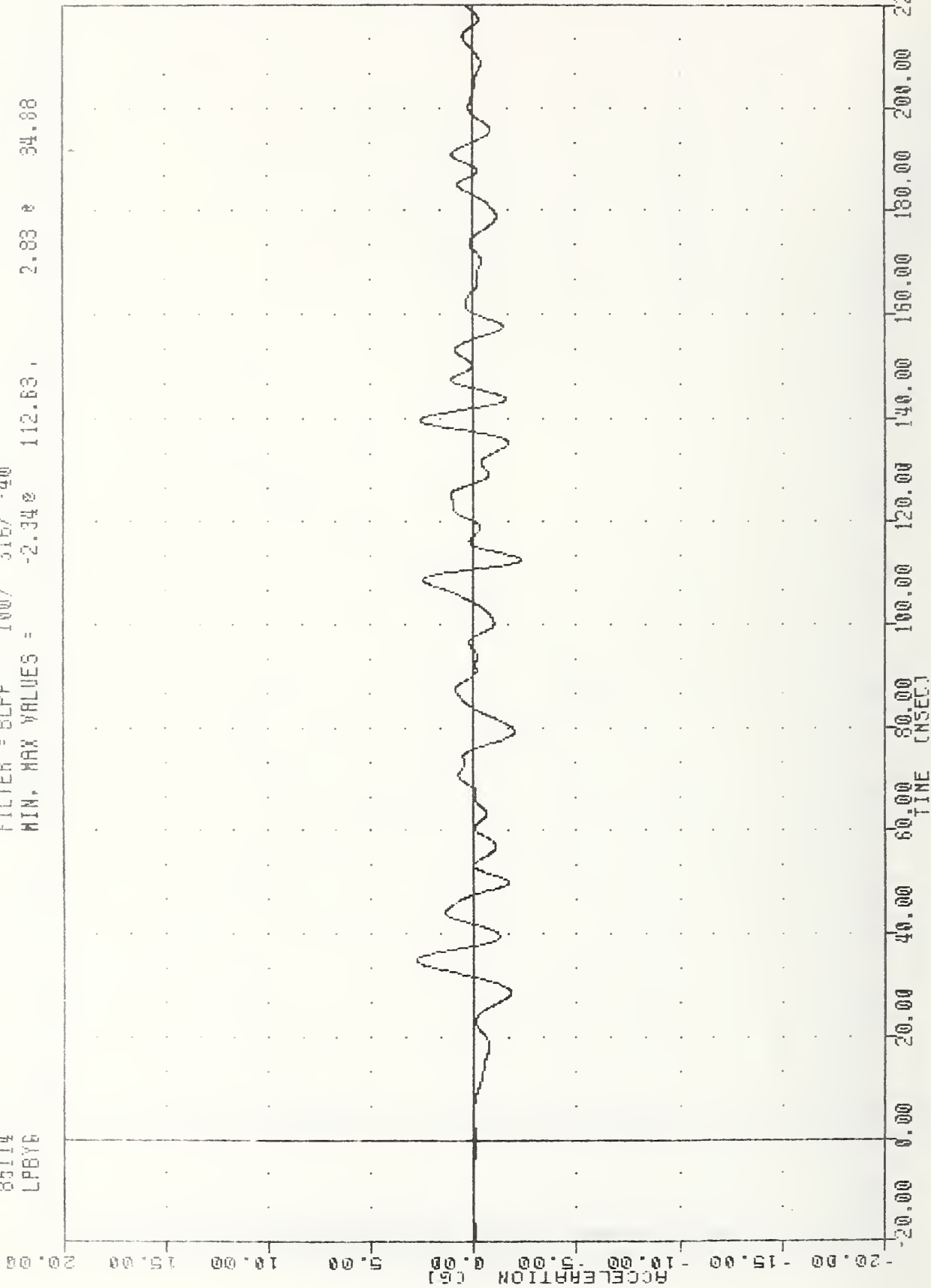
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING LPBXV

VATC
BREQ AIRBAG SLED PROGRAM
85114
LPBY6

TEST DATE 25-APR-80 12:50:02

FILTER = BLFF 100/ 316/ -40

MIN. MAX VALUES = -2.348 112.63 2.83 34.88



-20.00 0.00 20.00
ACCELERATION (G)

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 150.00 180.00 200.00 220.00
TIME (MSEC)

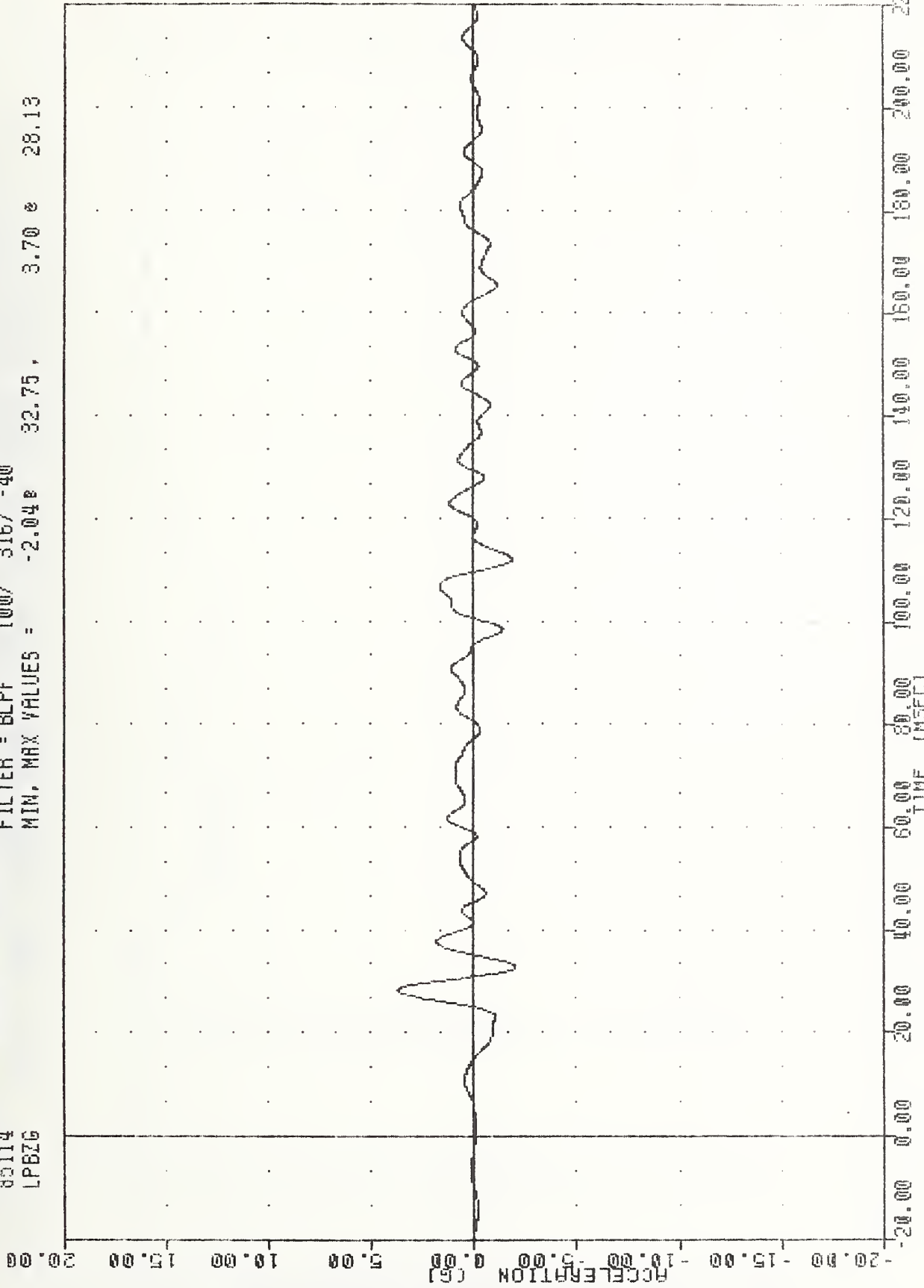
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-19
BREED AIRBAG SLED PROGRAM
85114
LP6ZG

PLOT DATE 25-APR-85 12:50:02

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.04g 32.75 , 3.70 g 28.13

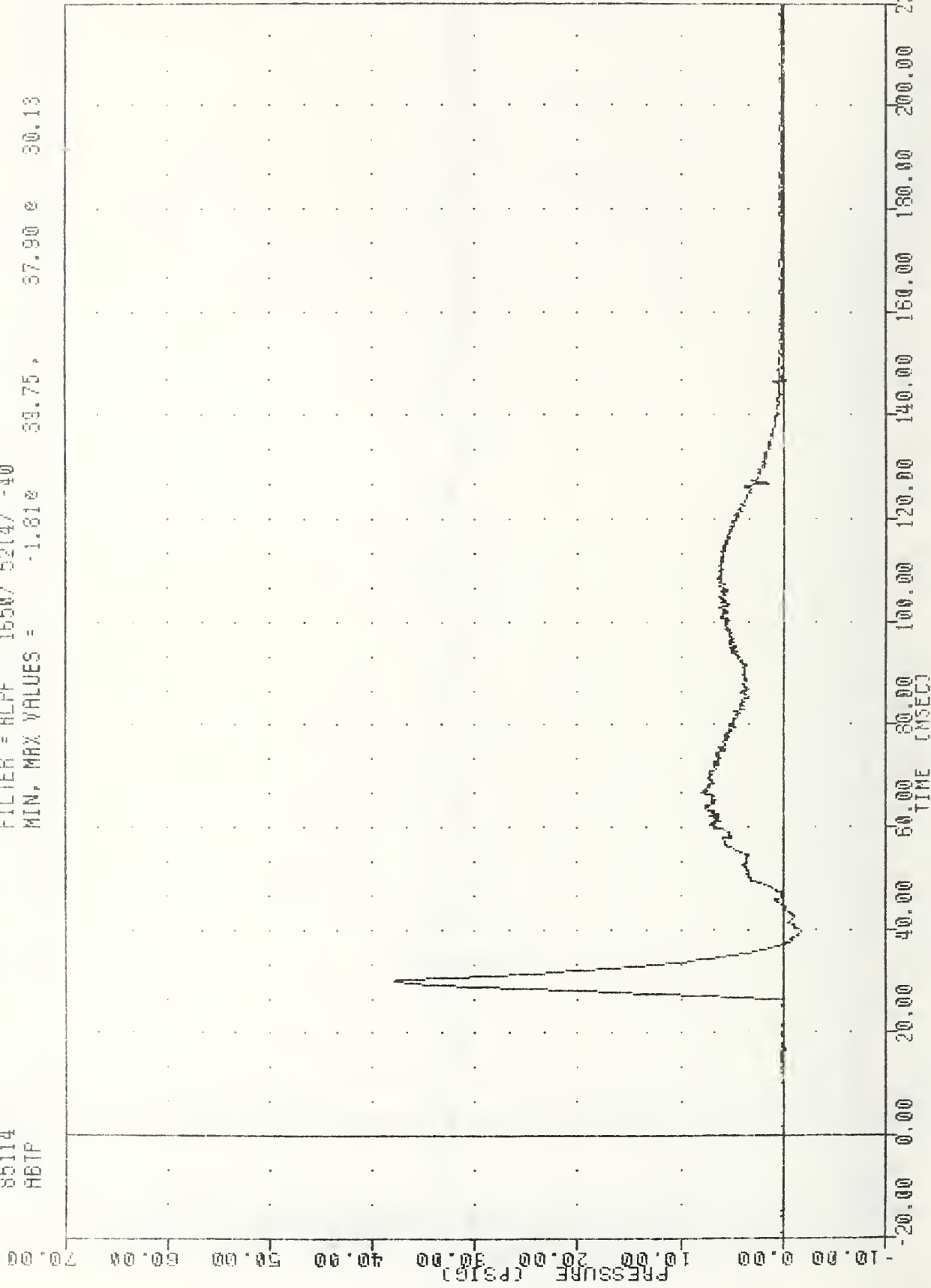


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC
BRED AIRBAG SLED PROGRAM
85114
RBT

PLOT DATE 25-APR-85 12:50:02

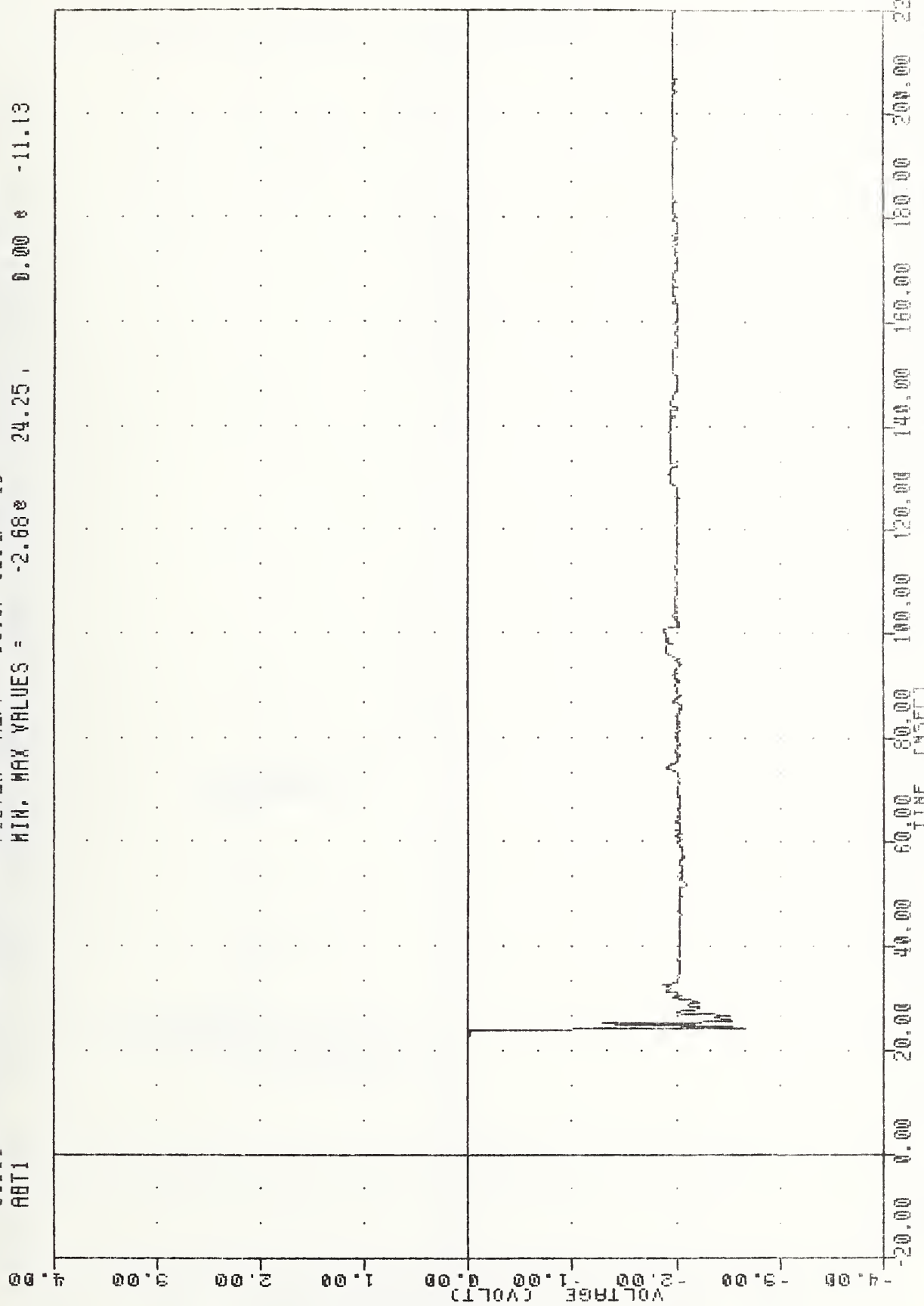
FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -1.61e 39.75, 37.90 e 30.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
AIRBAG PRESSURE

VATC RD384-4-19
BREED AIRBAG SLED PROGRAM
85114
ABT1

PLOT DATE 25-APR-85 12:50:02
FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -2.68e 24.25, 0.00e -11.13

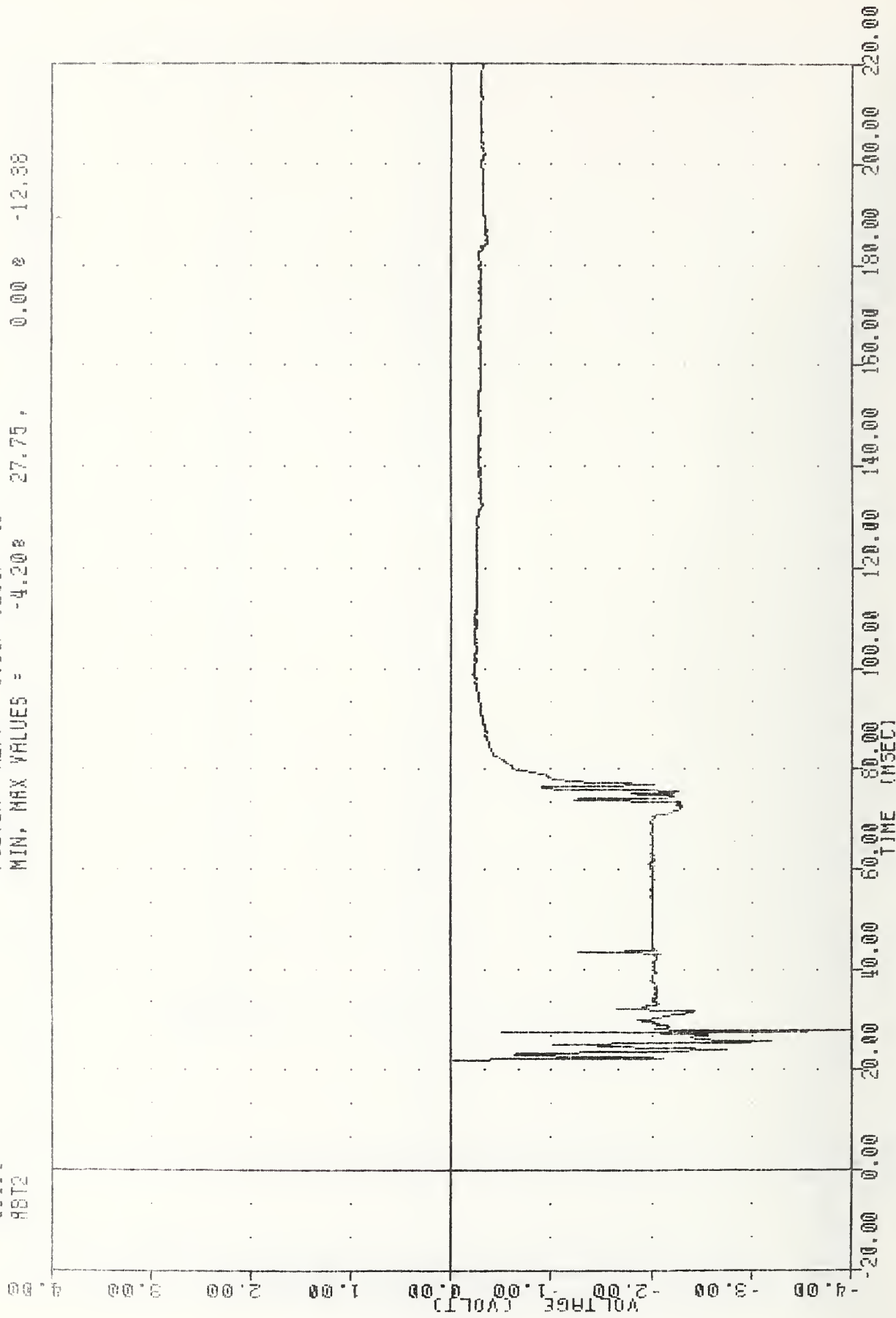


CHEVROLET IMPALA SLED TEST - 90 MPH 50TH PERCENTILE HYBRID III DUMMY
SENSOR QUANTIFIER

VRTC
BREED AIRBAG SLED PROGRAM
85114
RST2

PLOT DATE 25-APR-85 13:50:00

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -4.20e 27.75, 0.00 e -12.38



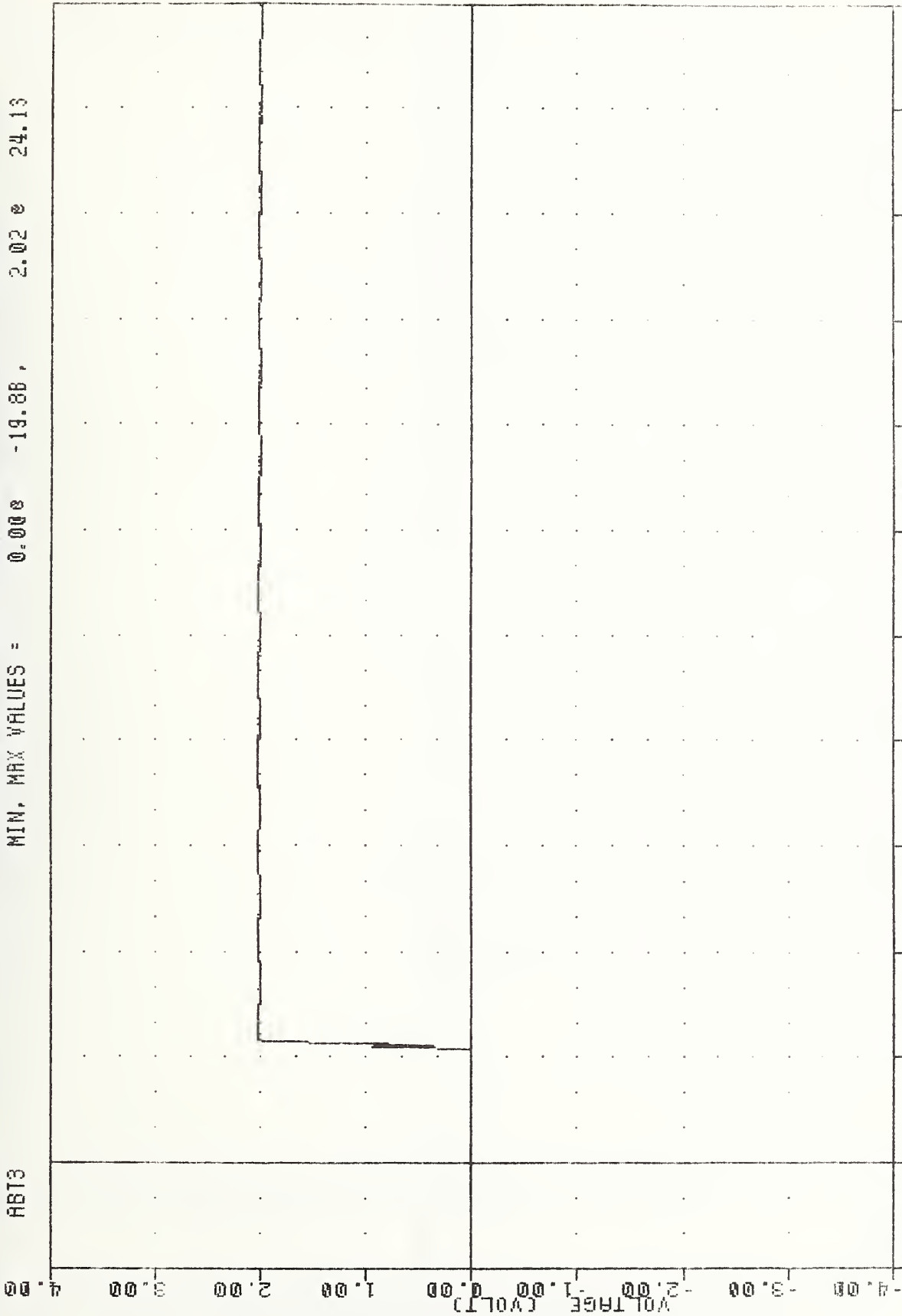
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SENSOR BURNWIRE 2

VRTC , RD384-2-19
BREED AIRBAG SLED PROGRAM
85114
ABT3

PLOT DATE 25-APR-85 12:50:02

FILTER = ALFF 1650/ 5214/ -40

MIN. MAX VALUES = 0.000 -19.88 , 2.02 e 24.13



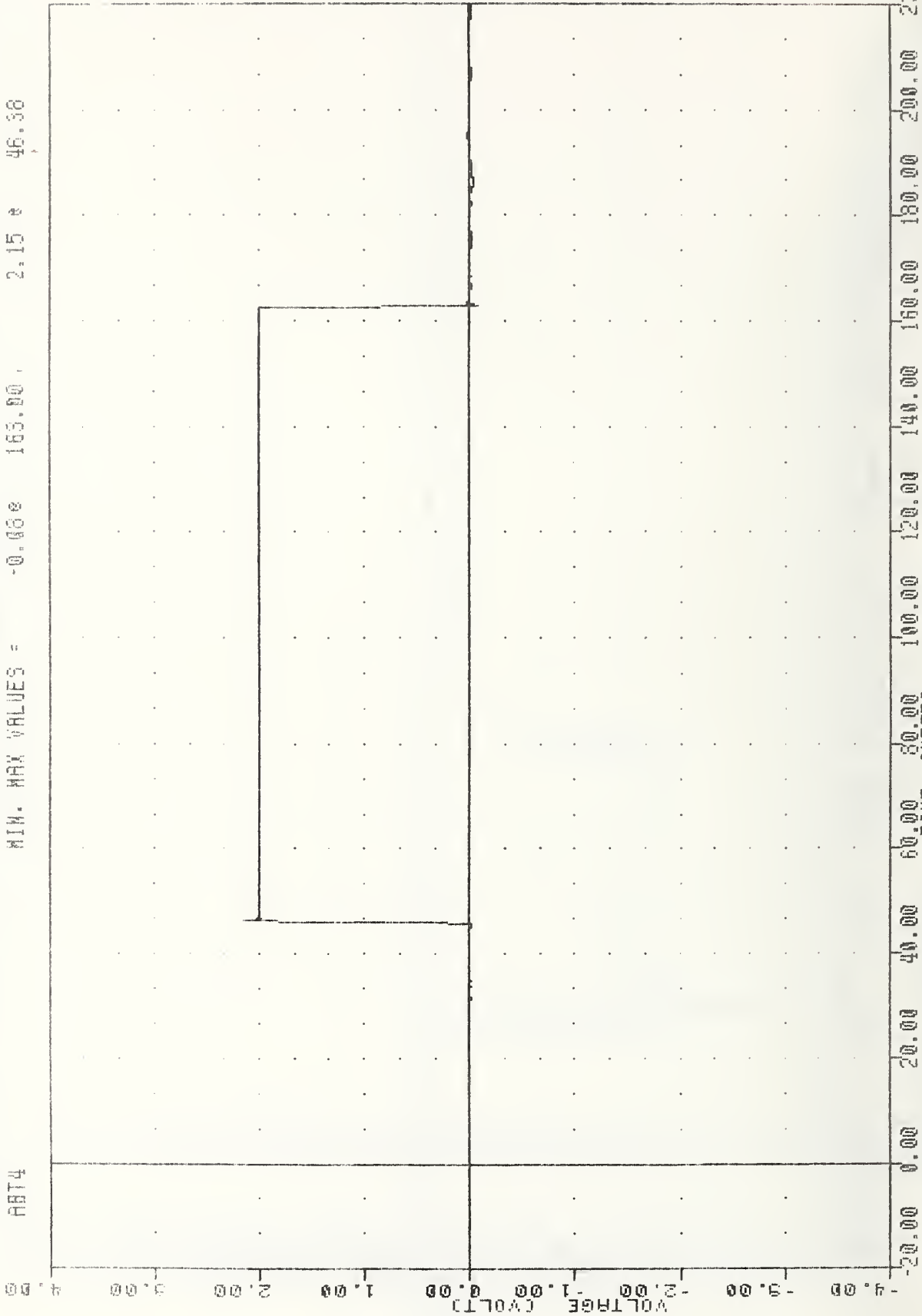
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
BREED AIRBAG PROGRAM

VRTC
BAEED AIRBAG SLED PROGRAM
85114
RBT4

PLOT DATE 25-APR-85 12:50:02

FILTER = ALFF 1650/ 5214/ -40

MIN. MAX VALUES = -0.08e 165.00 2.15 e 46.38



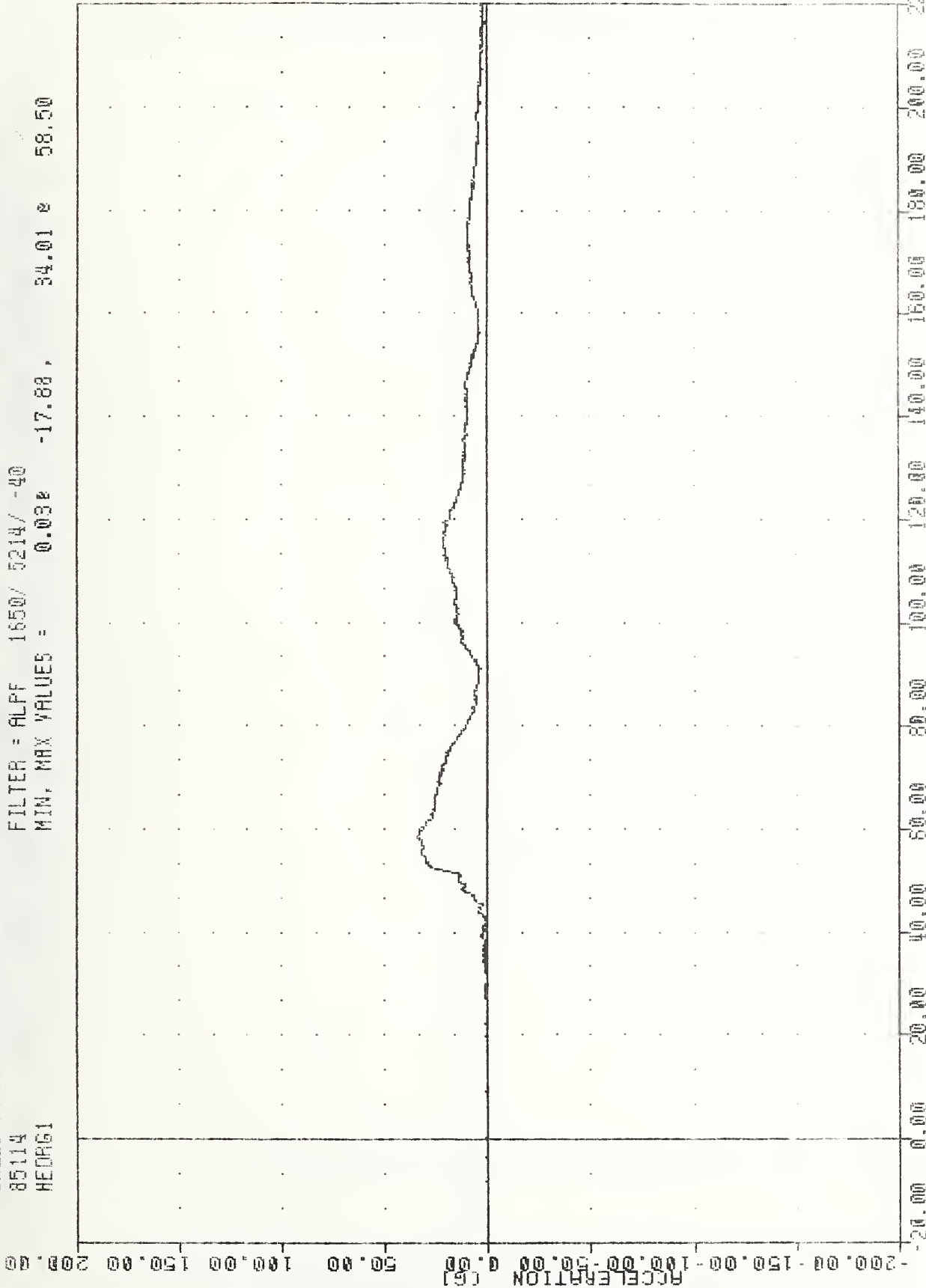
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
KNEE CONTACT

VRFC , R0384-4-19
BRAED AIRBAG SLED PROGRAM
85114
HEADG1

PLOT DATE 26-APR-85 10:28:02

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.03e -17.88, 34.01 e 58.50

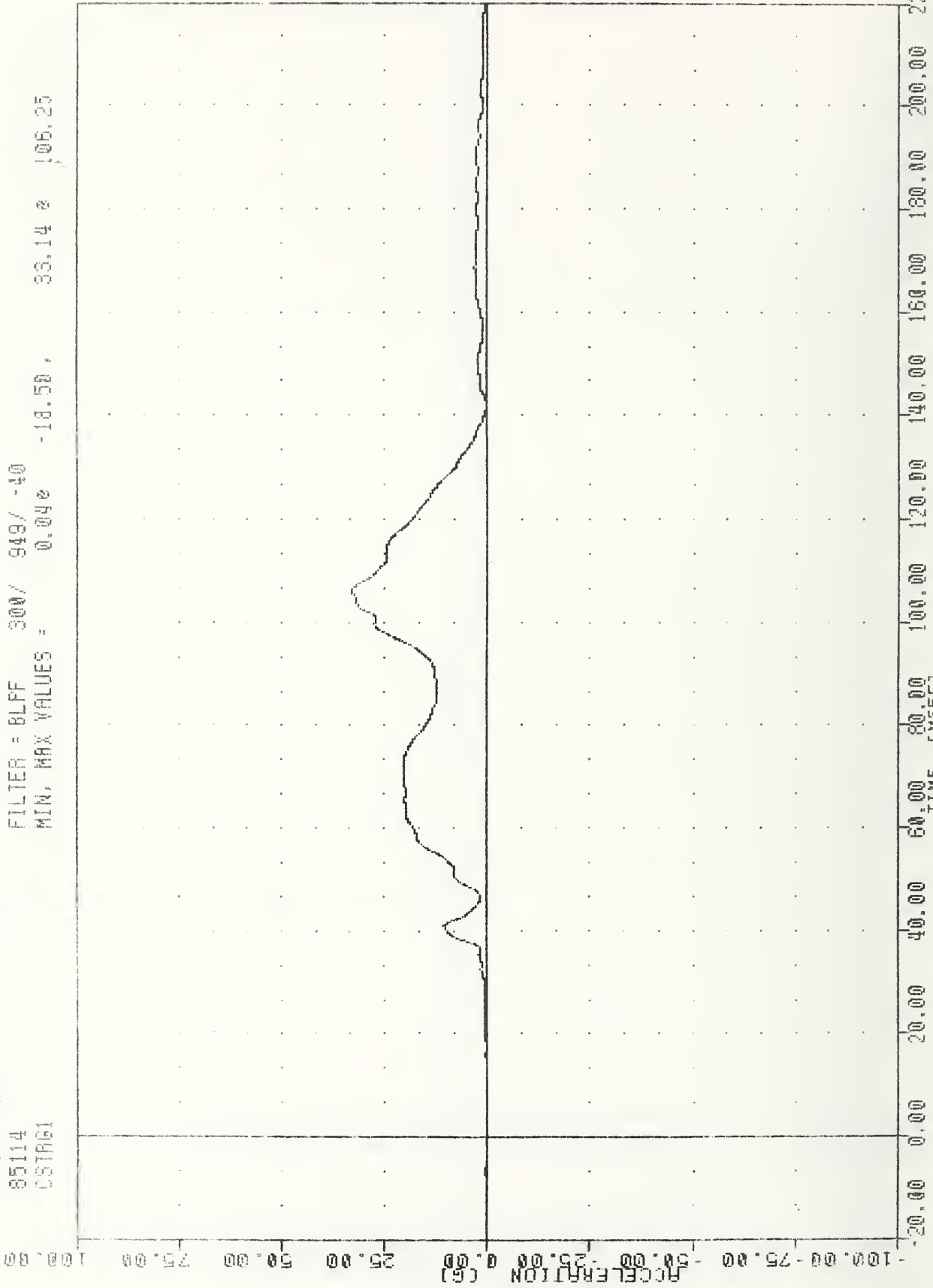


CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMIE
DATA @ HEAD RESQ TIME

VRTC
BREED AIRBAG SLED PROGRAM
85114
CSTR61

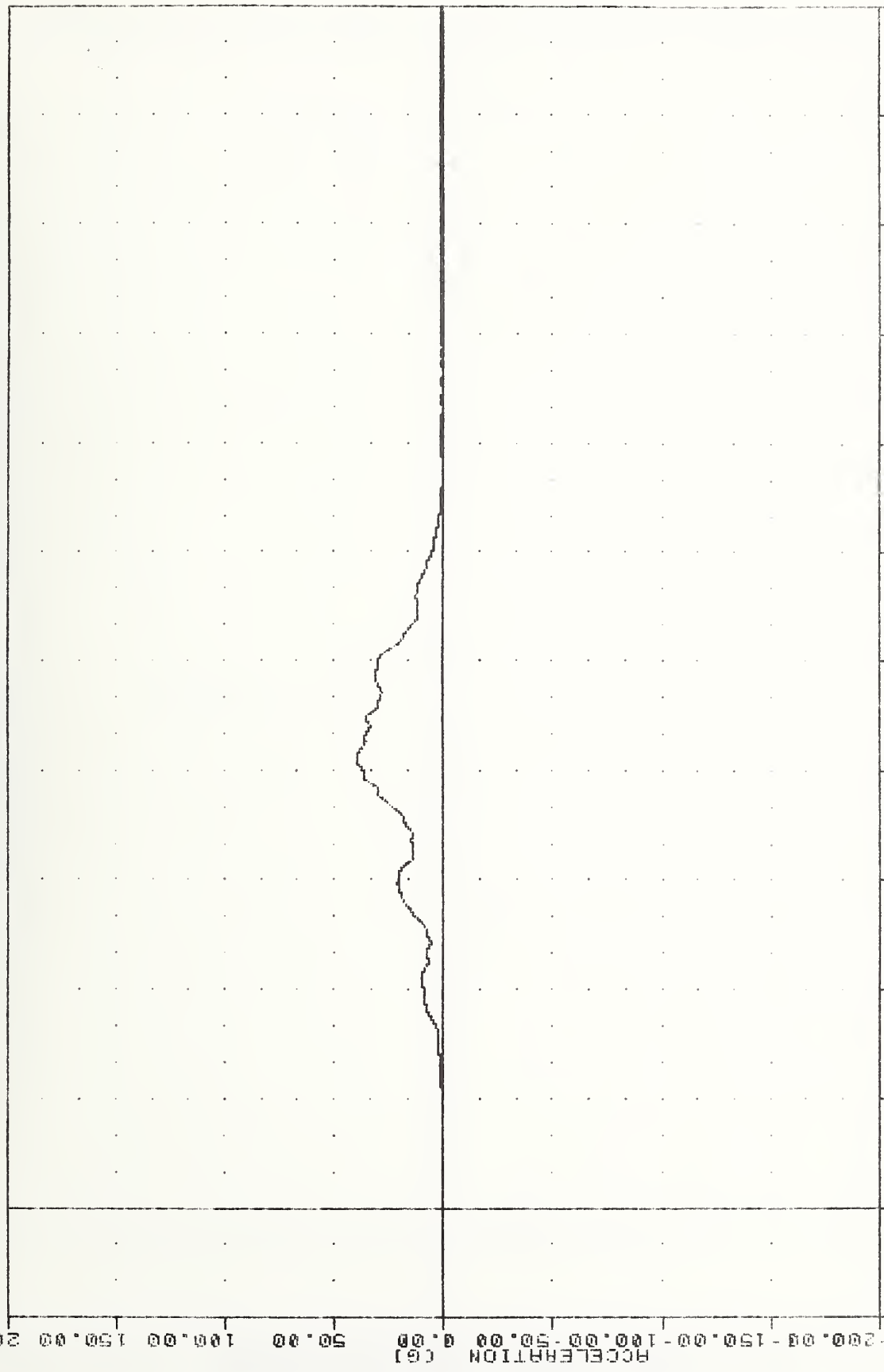
PLOT DATE 26 APR 65 10:20:00

FILTER = BLFF 300 / 949 / -40
MIN. MAX VALUES = 0.04e -18.50 , 33.14 e 106.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST RESULTANT

VRTC : R0384-4-19
 BREED AIRBAG SLED PROGRAM
 85114
 PEVARI
 PLOT DATE 26-APR-85 10:28:02
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = 0.01e 5.88 , 38.90 * 81.88

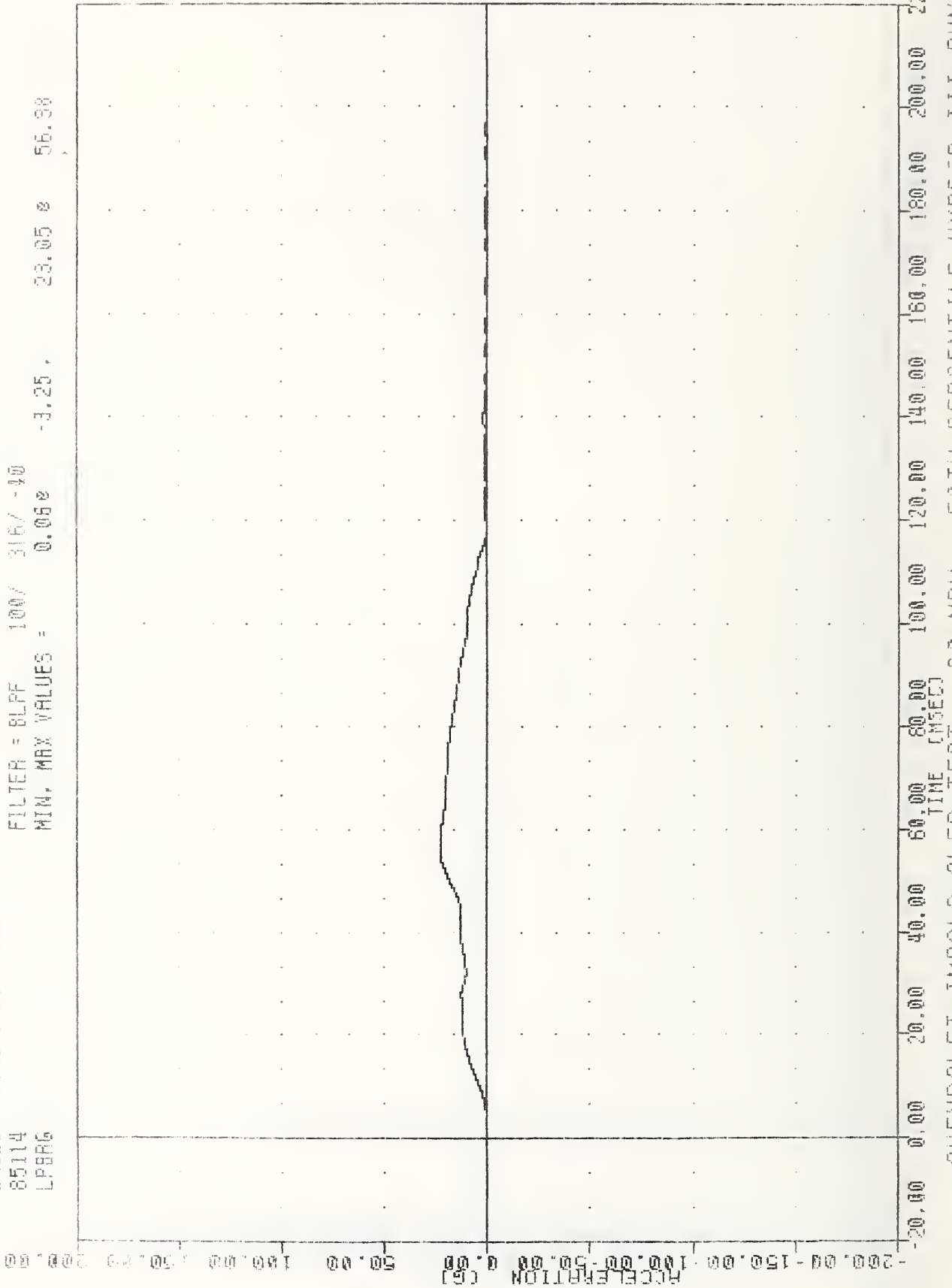


-200.00
 -150.00
 -100.00
 -50.00
 0.00
 50.00
 100.00
 150.00
 200.00
 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER PELVIS RESULTANT

VRTC , 80384-4-19
BREED AIRBAG SLED PROGRAM
85114
LPBAG

PLT DATE 27 APR 85 10:20:00

FILTER = 8LFF 100/ 316/ -40
MIN. MAX VALUES = 0.052 -3.25 23.05 56.38

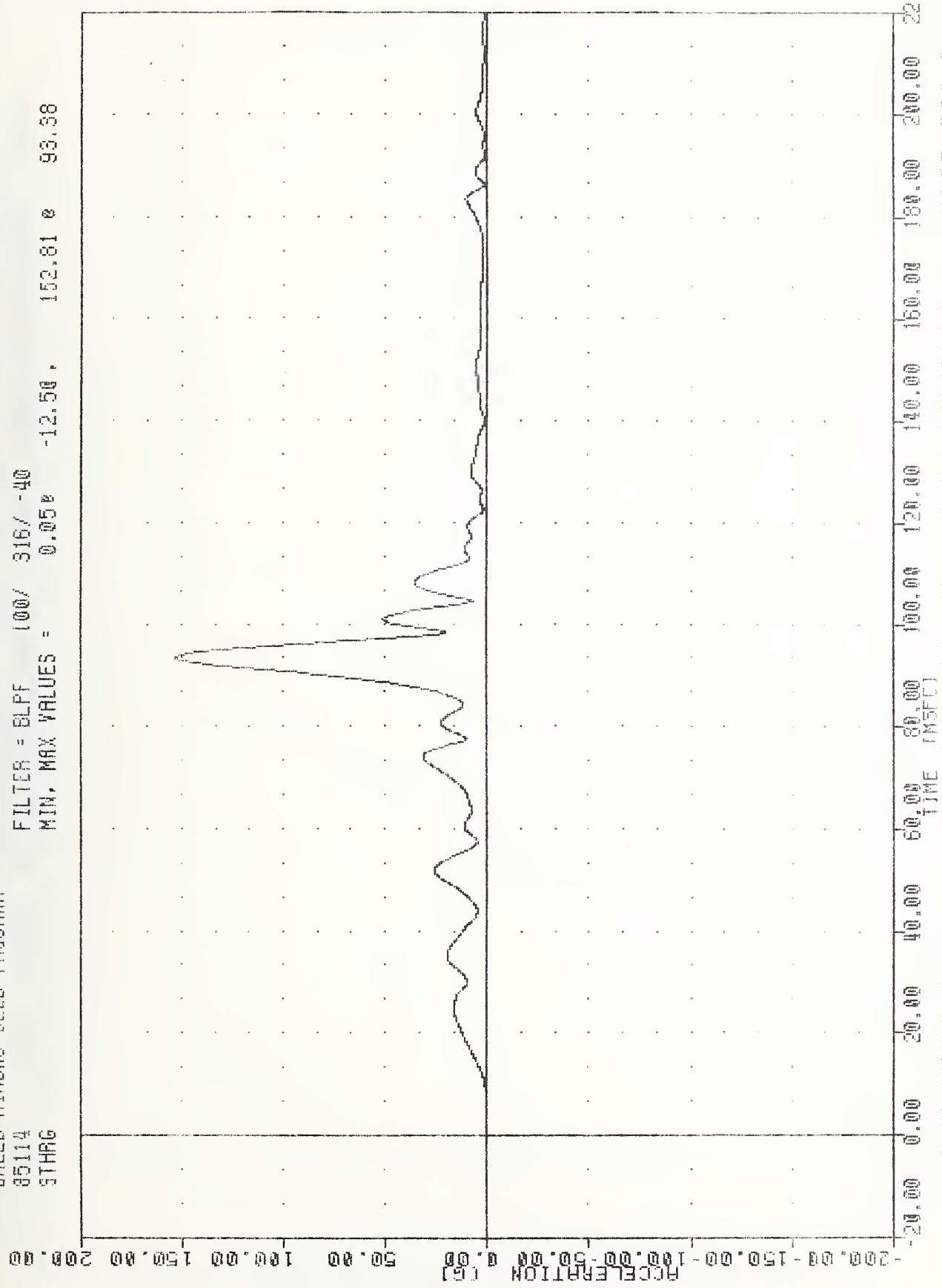


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B RESULTANT

VRTC , R0304-4-19
BREED AIRBAG SLED PROGRAM
05114
STHRG

PLOT DATE 26-APR-85 10:28:02

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.05g -12.50g 152.81g 93.38

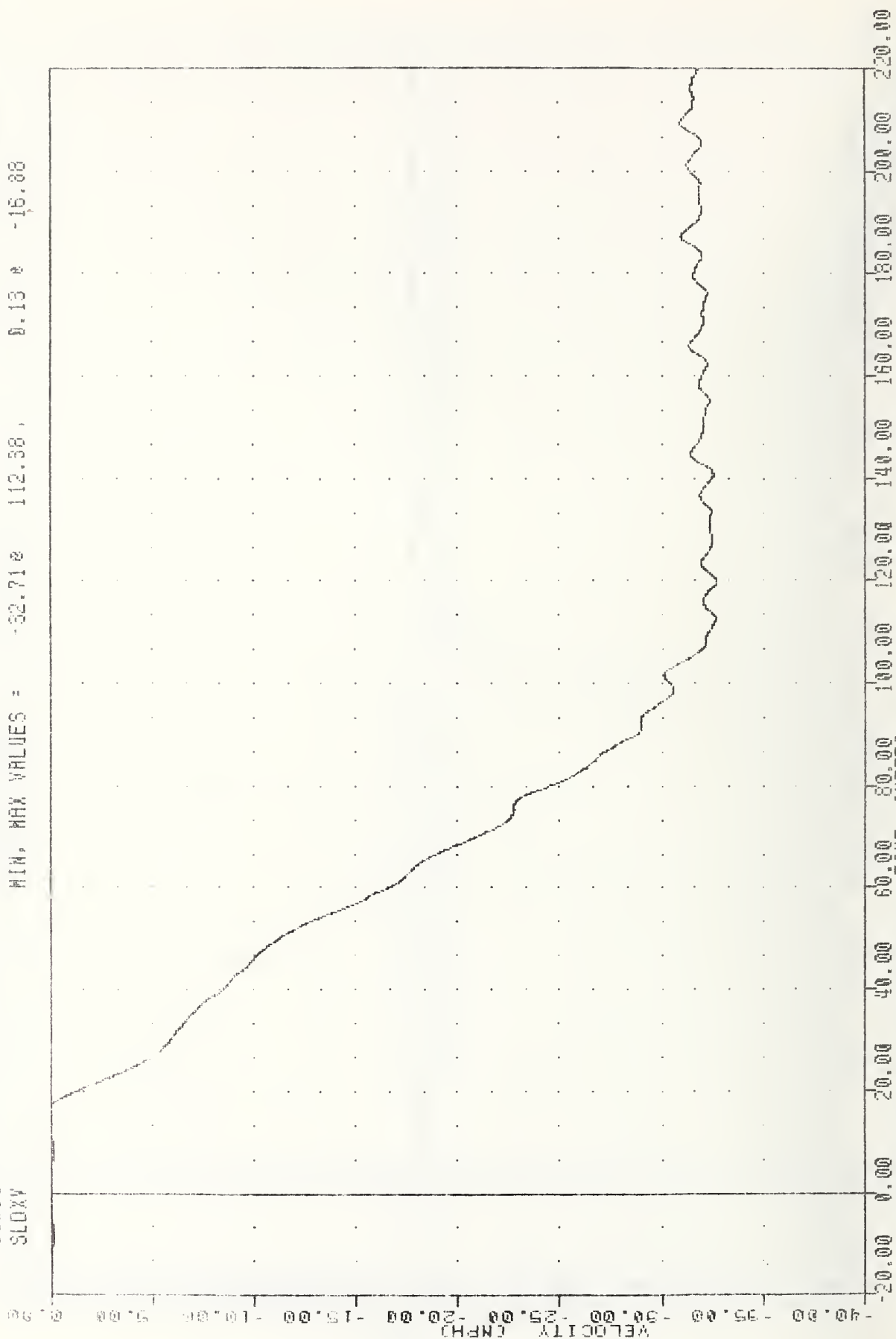


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
STEERING COLUMN IMP 8014 TANT

VRTC
85114
SLOXY
BAEED HIRBAG SLED PROGRAM
85114

DATE 03/27/88 TIME 11:00:00

FILTER = ALPF 100/ 167/ 40
MIN, MAX VALUES = -82.71e 112.58, 0.13 e -15.88



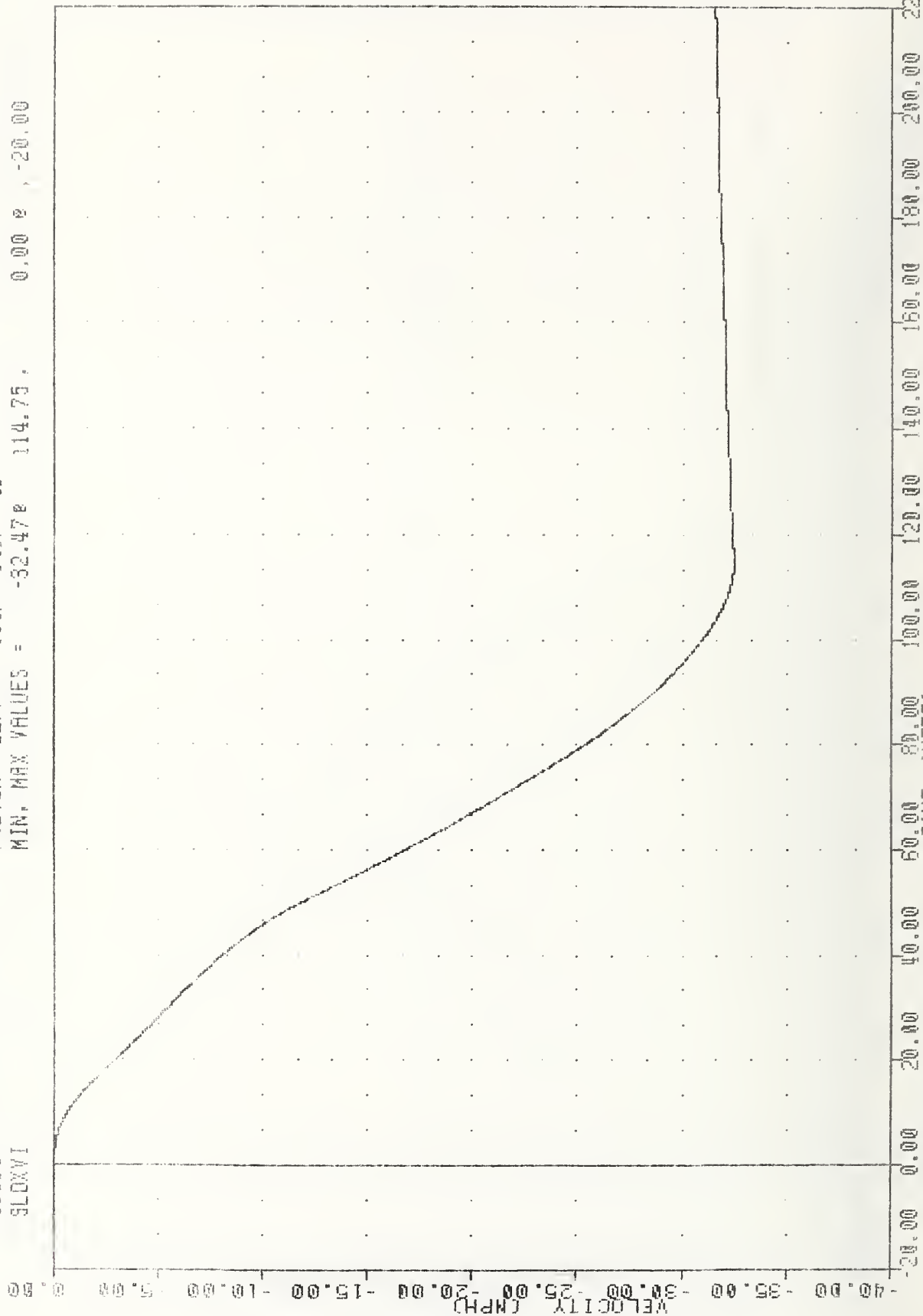
892

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED VELOCITY (CHRYSLER)

VRIC
85114
SLOXVI

8024-4-19
25-APR-55 14:13:11

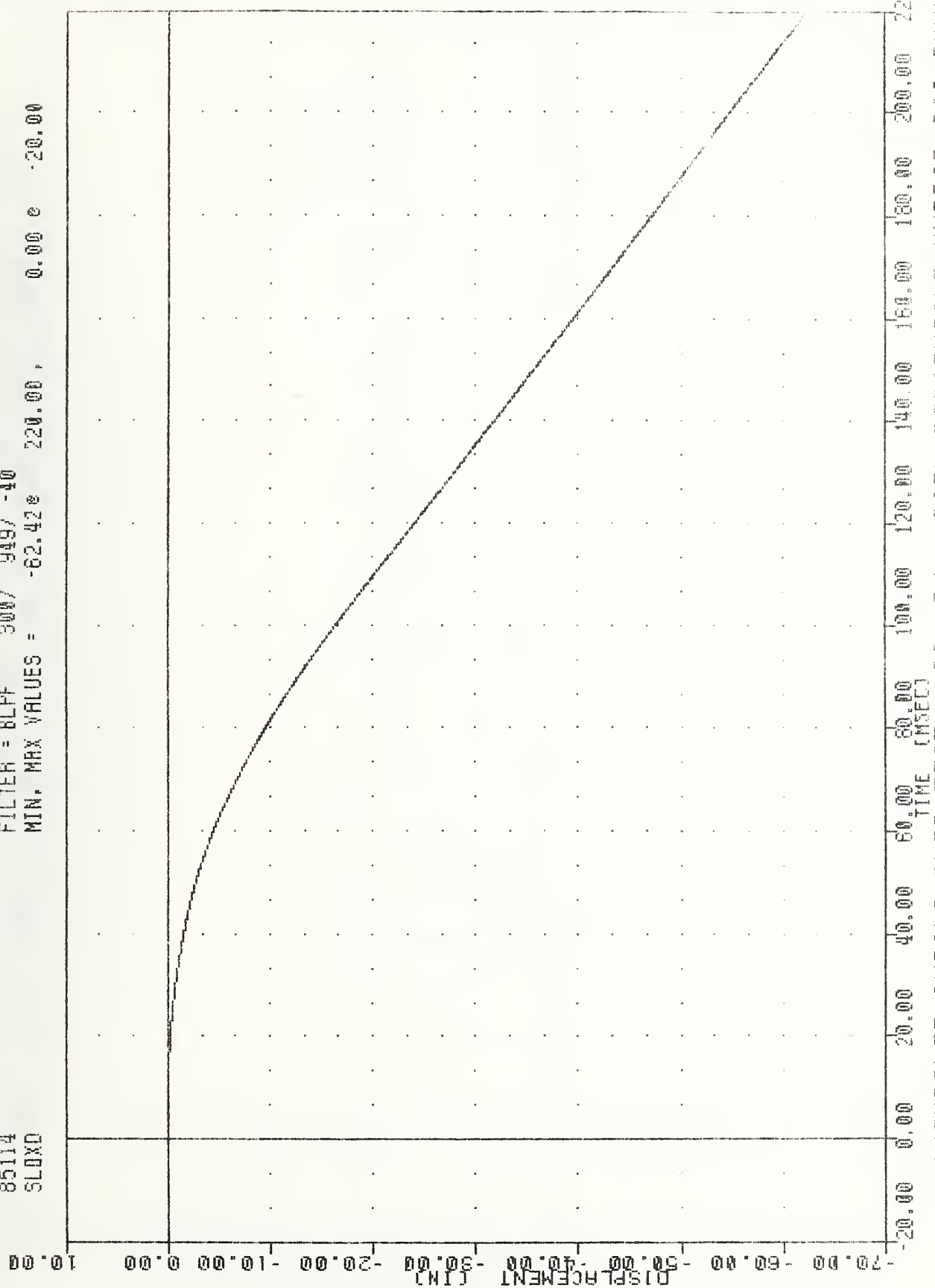
BREED HYBRID SLED PROGRAM
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -32.47 114.75 0.00 20.00



270

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUKMT
SLED VELOCITY INTEGRATED

VRTC : R0384-4-19 PLOT DATE 25-APR-85 14:13:11
 BREED AIRBAG SLED PROGRAM
 85114 FILTER = BLFF 300/ 949/ -40
 SLOXD MIN. MAX VALUES = -62.42e 220.00, 0.00 e -20.00

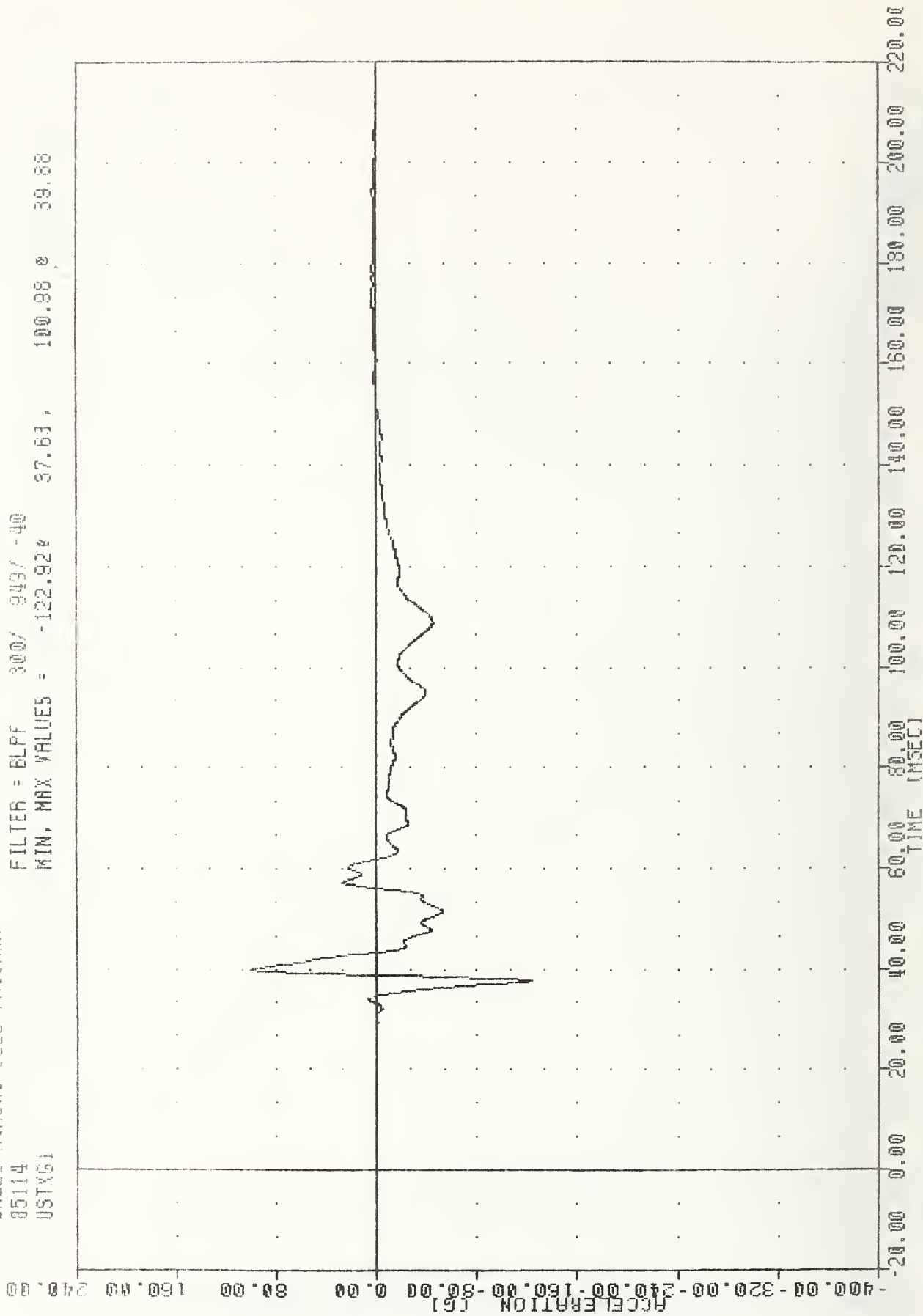


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMI
 DELTA X USING 91.04VI

VRTC
BREQ RTRBRG SLED PROGRAM
35114
USTX61

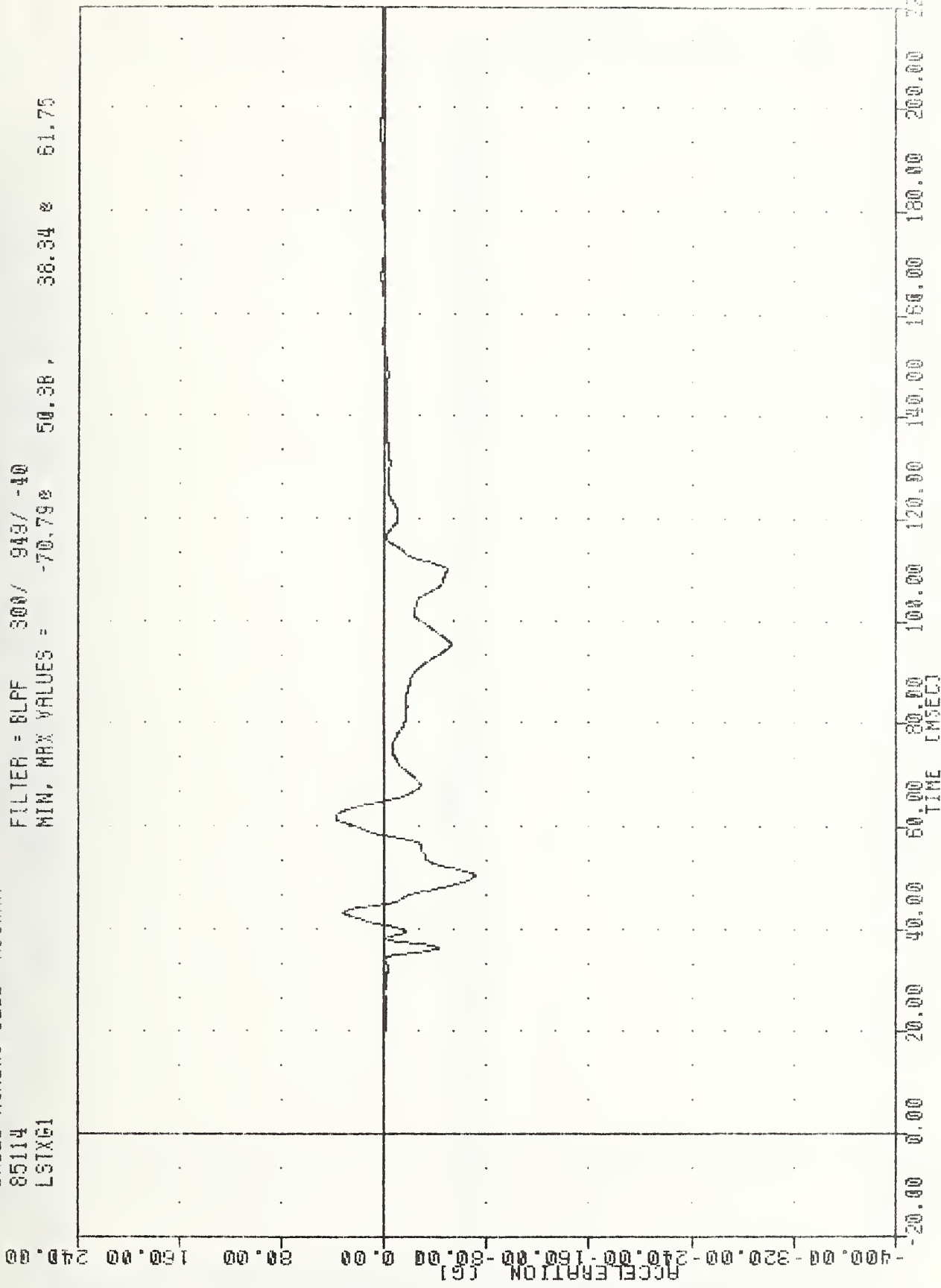
PLOT DATE 23-APR-85 15:19

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -122.92e 37.63, 100.98 e 39.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

VRTC , RD304-4-19 PLOT DATE 29-APR-85 15:42:43
 BREED AIRBAG SLED PROGRAM
 85114 FILTER = 8LFF 30N/ 943/ -40
 LSTX61 MIN. MAX VALUES = -70.79g 50.38g 38.34g 61.75



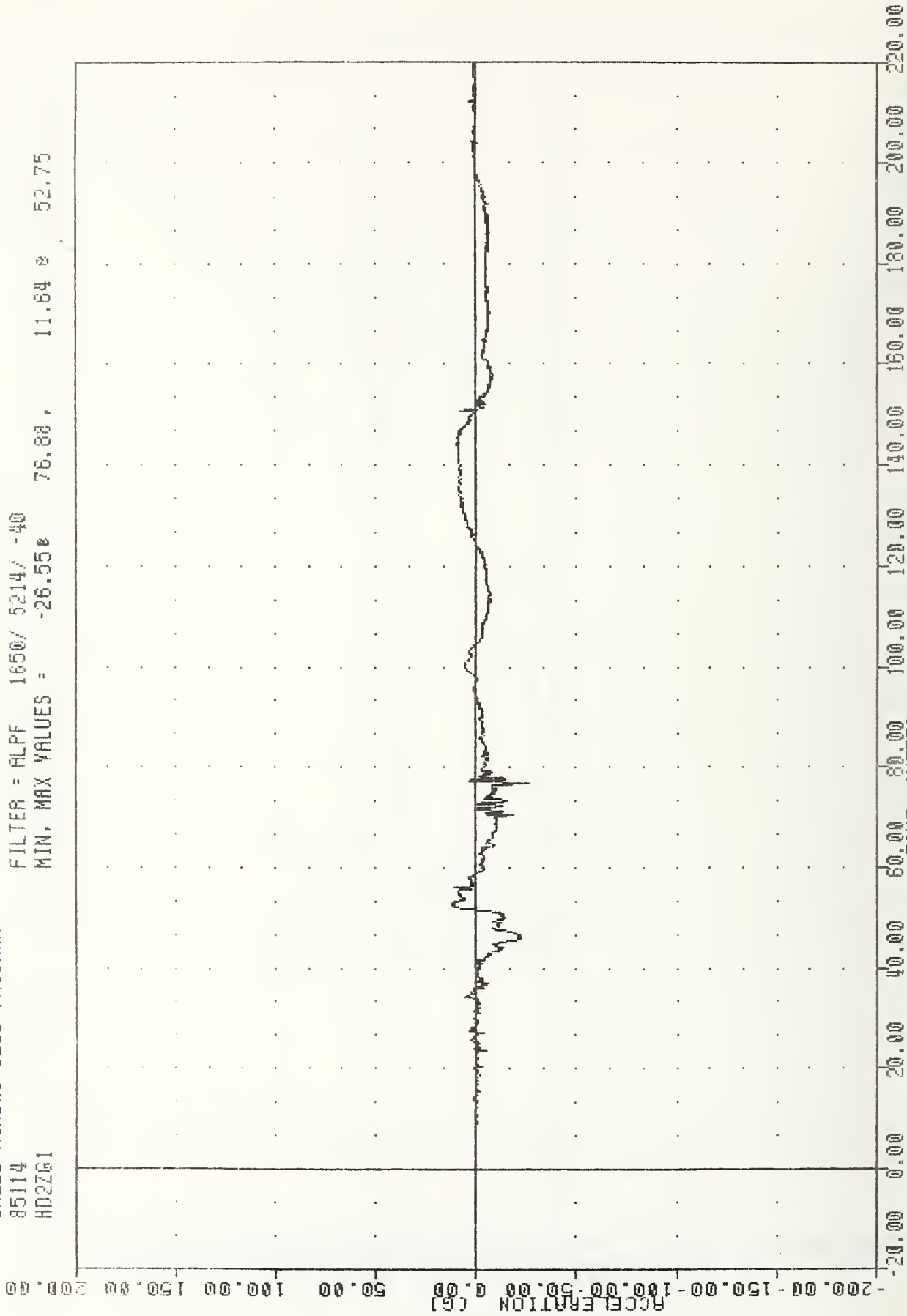
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER LOWER STERNUM ACCELERATION Y AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85114
HD2Z61

PLOT DATE 3-MAY-85 12:30:21

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -26.55e 76.88e 11.84e 52.75

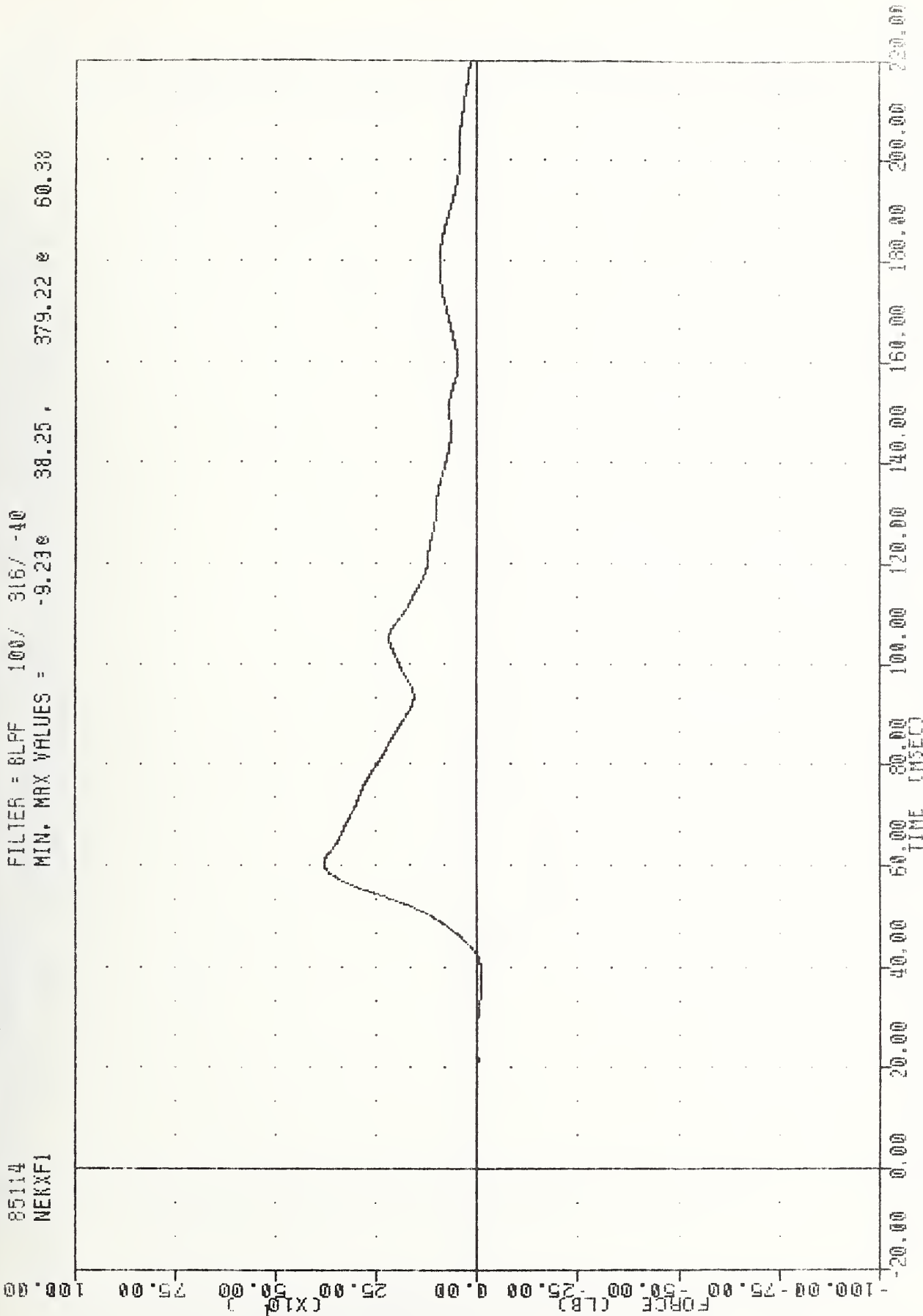


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)

VRIC RD384-4-19
BASED AIRBAG SLED PROGRAM
85114
NEKXF1

PLOT DATE 25-APR-65 07:41:26

FILTER = 6LFF 100/ 316/ -40
MIN. MAX VALUES = -9.23e 38.25 , 379.22 e 60.38

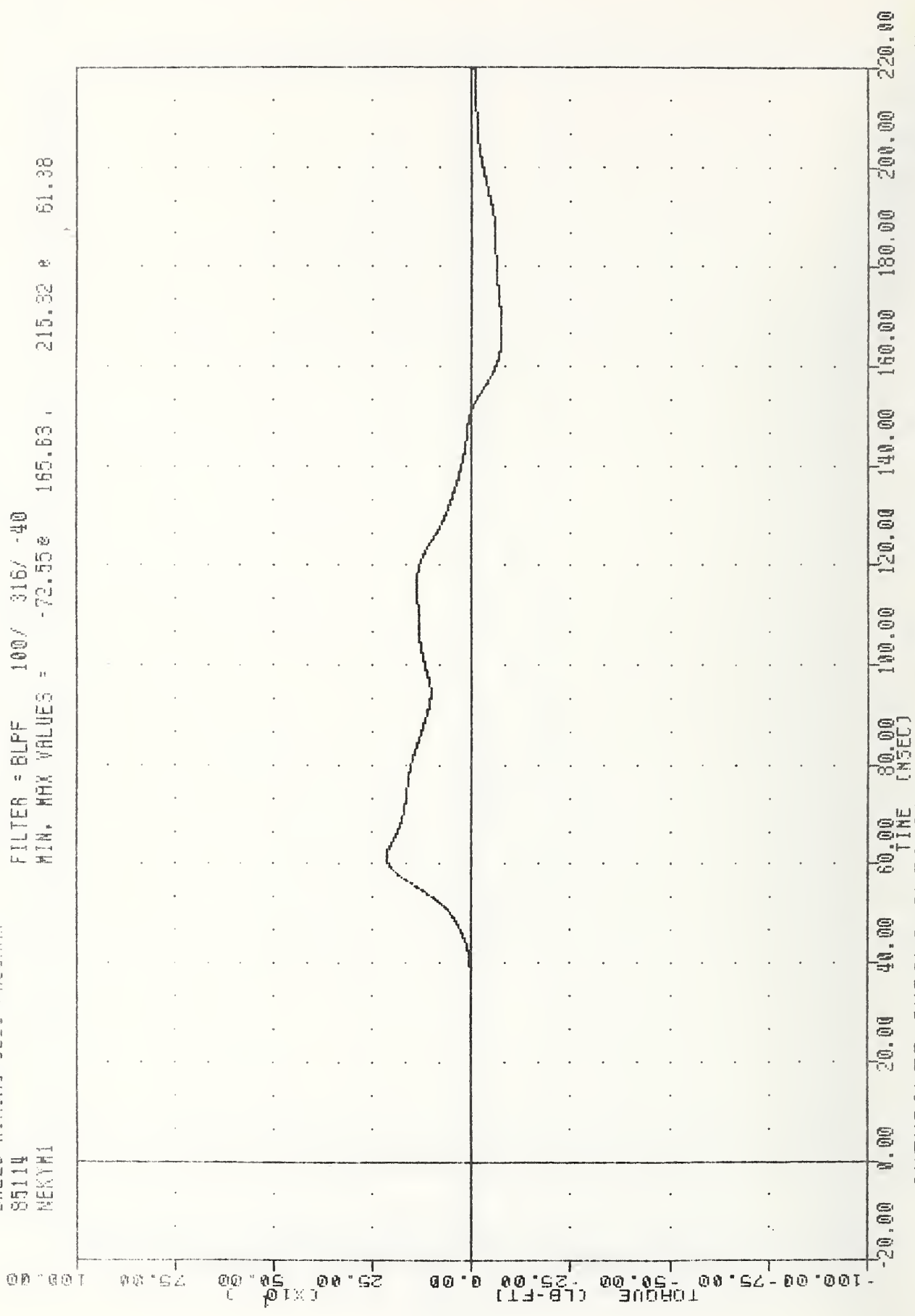


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK FORCE Y AXIS (LBS (SHEAR))

VRTC , 80384-4-19
BREED AIRBAG SLED PROGRAM
85114
NEKYH1

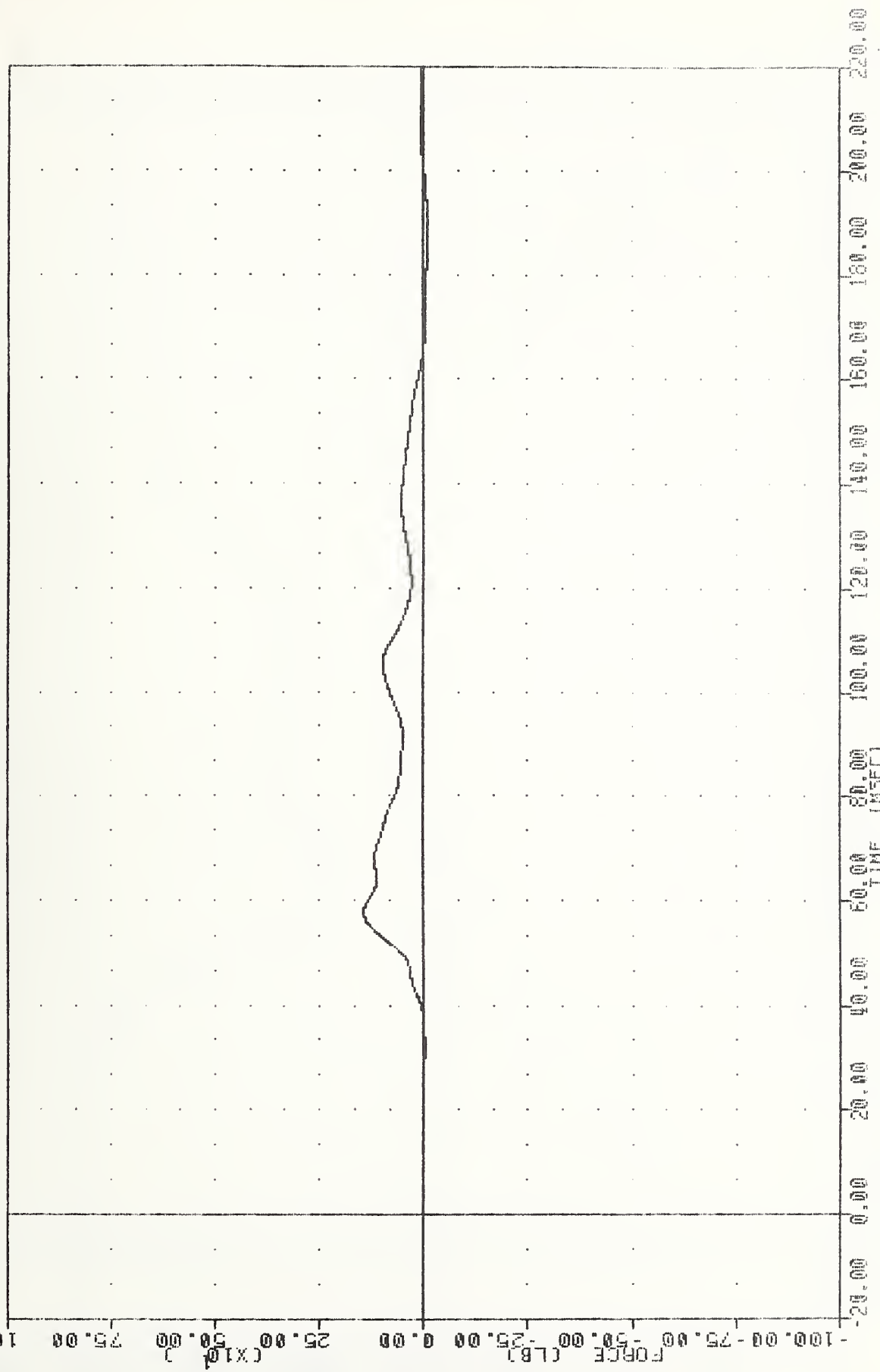
PLOT DATE 25-APR-85 07:41:28

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -72.55e 165.63 , 215.32 e 61.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK MOMENT Y AXIS FT-LBS

VRTC , RD384-4-19 PLOT DATE 25-APR-85 07:41:26
 BREED AIRBAG SLED PROGRAM
 85114 FILTER = 6LPF 100/ 316/ -40
 NEKZFF1 MIN. MAX VALUES = -8.75% 143.87% 57.63



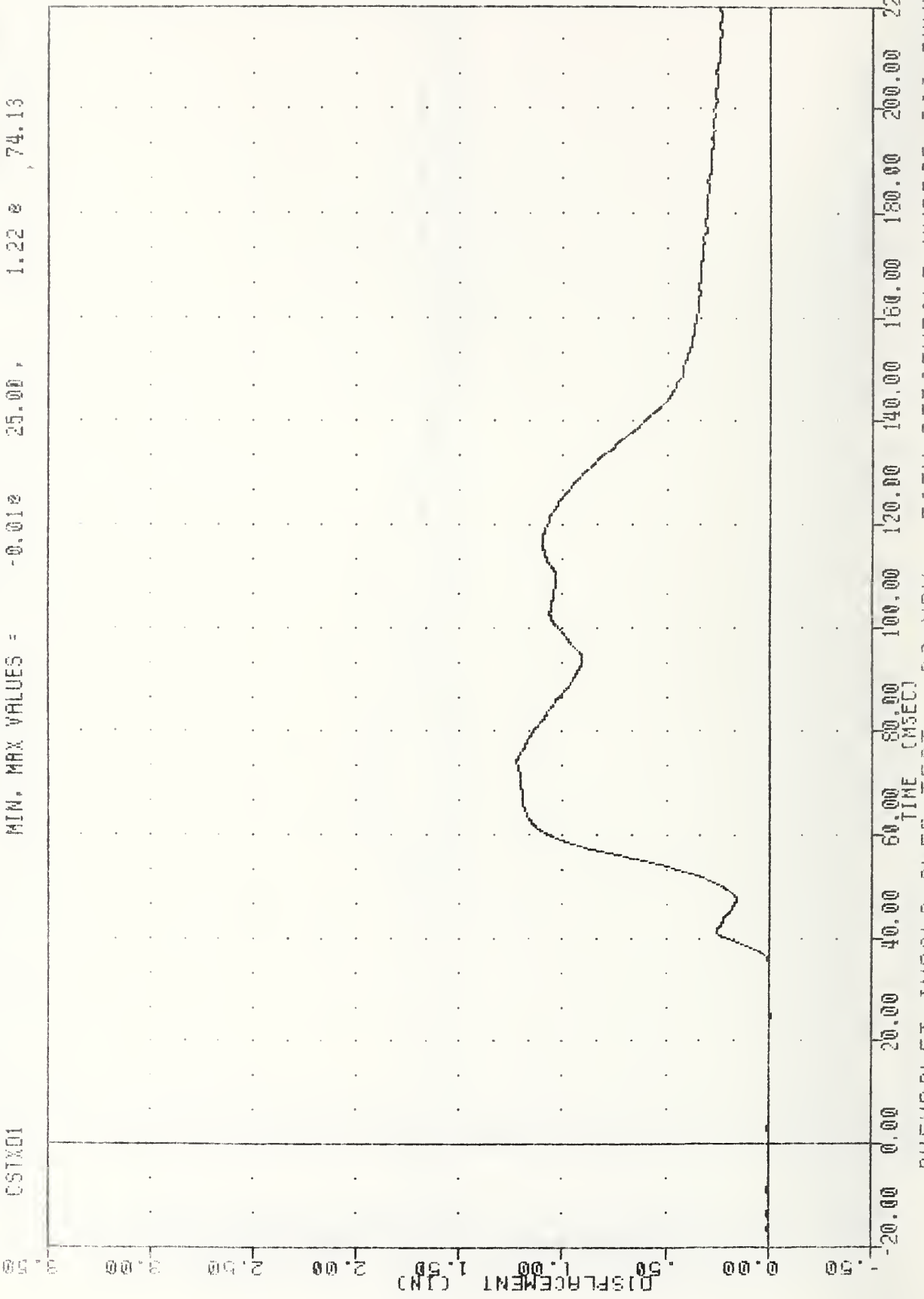
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER NECK FORCE 7 AXIS ORIGINAL

VRTC , 80384-4 19
BREED AIRBAG SLED PROGRAM
85114
CSTX01

PRINT DATE 25 APR 85 07:41:26

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -0.01e 25.00, 1.22 e 74.13



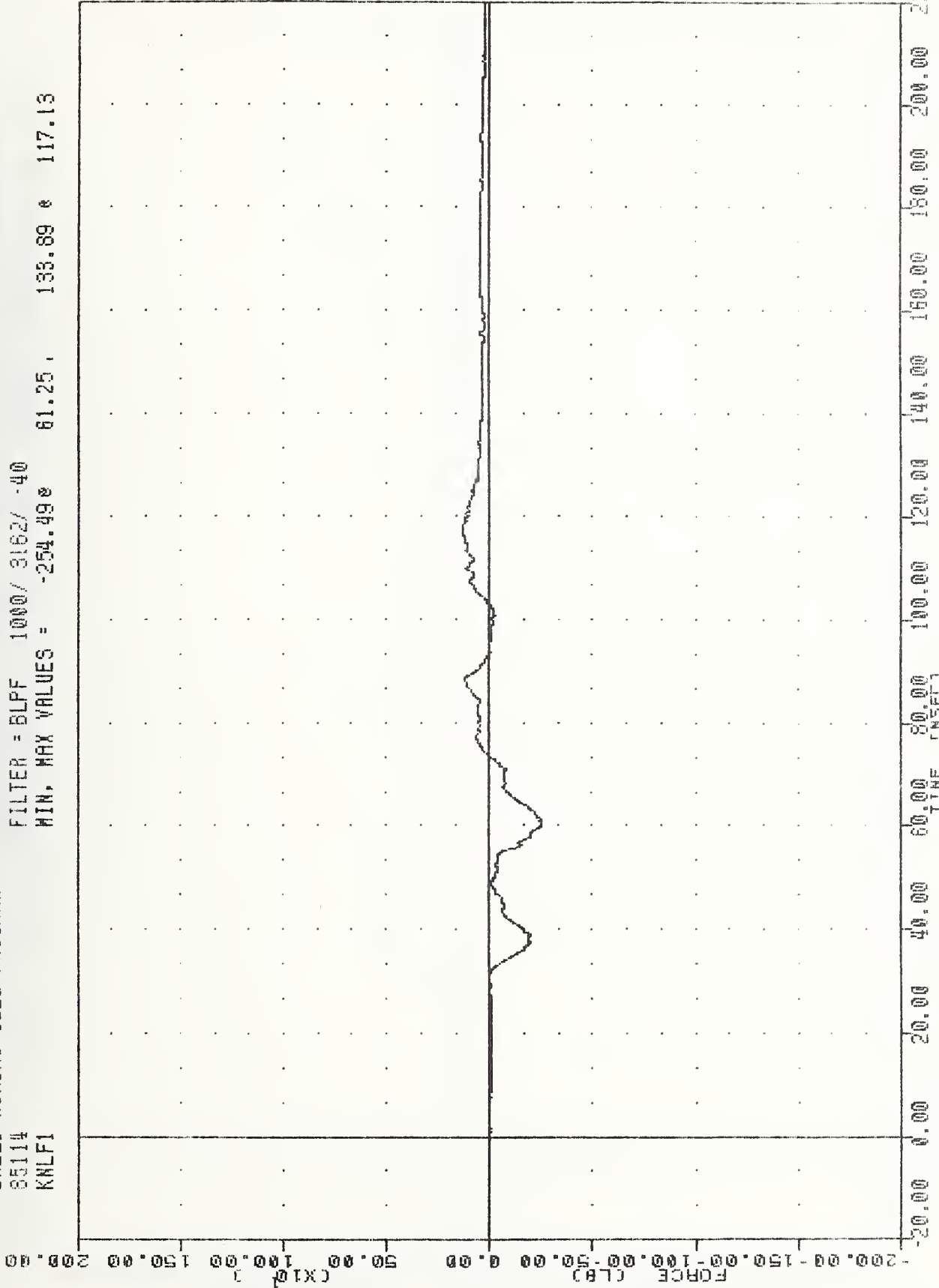
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST DISPLACEMENT INCHES

VRTC R0384-4-19
BREED AIRBAG SLED PROGRAM
85114
KNLF1

PLT DATE 25-APR-85 07:41:26

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -254.49e 81.25 . 133.89 e 117.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE / LEFT SENSOR LBS

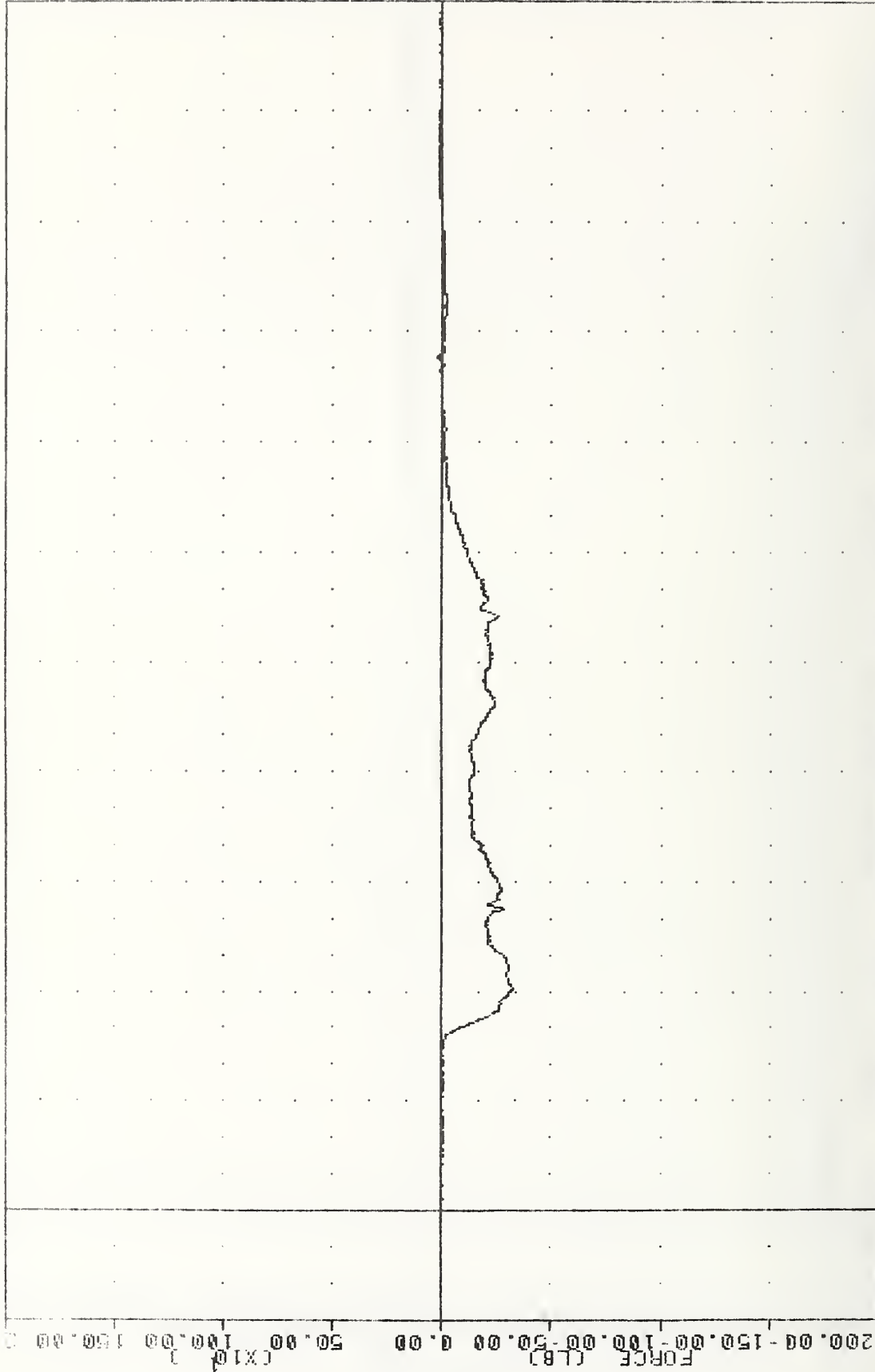
VRTO 7 80384-3-12
BREED AIRBAG SLED PROGRAM
85114
KNLFR

PLOT DATE 25 APR 85 07:41.26

FILTER = 6LFF 1000/ 3162/ -40

MIN. MAX VALUES = -324.02 40.38 26.51 155.50

280



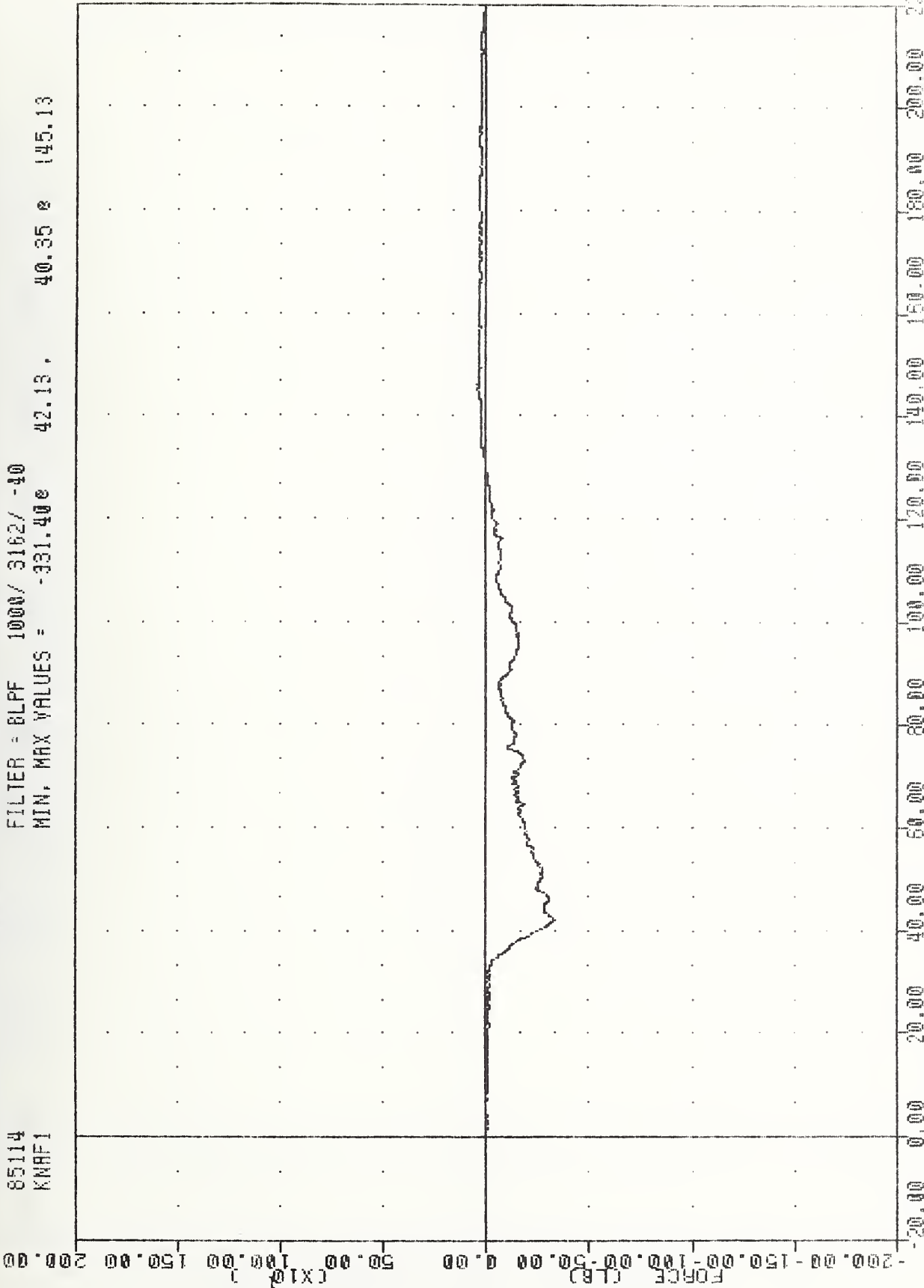
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE / RIGHT SENSOR LBS

VRTC , RD384-4-19
BRAED AIRBAG SLED PROGRAM
85114
KNRF1

PLOT DATE 25-APR-85 07:41:26

FILTER = 8LPF 1000/ 3162/ -40

MIN. MAX VALUES = -931.40e 42.18 , 40.35 e 145.13



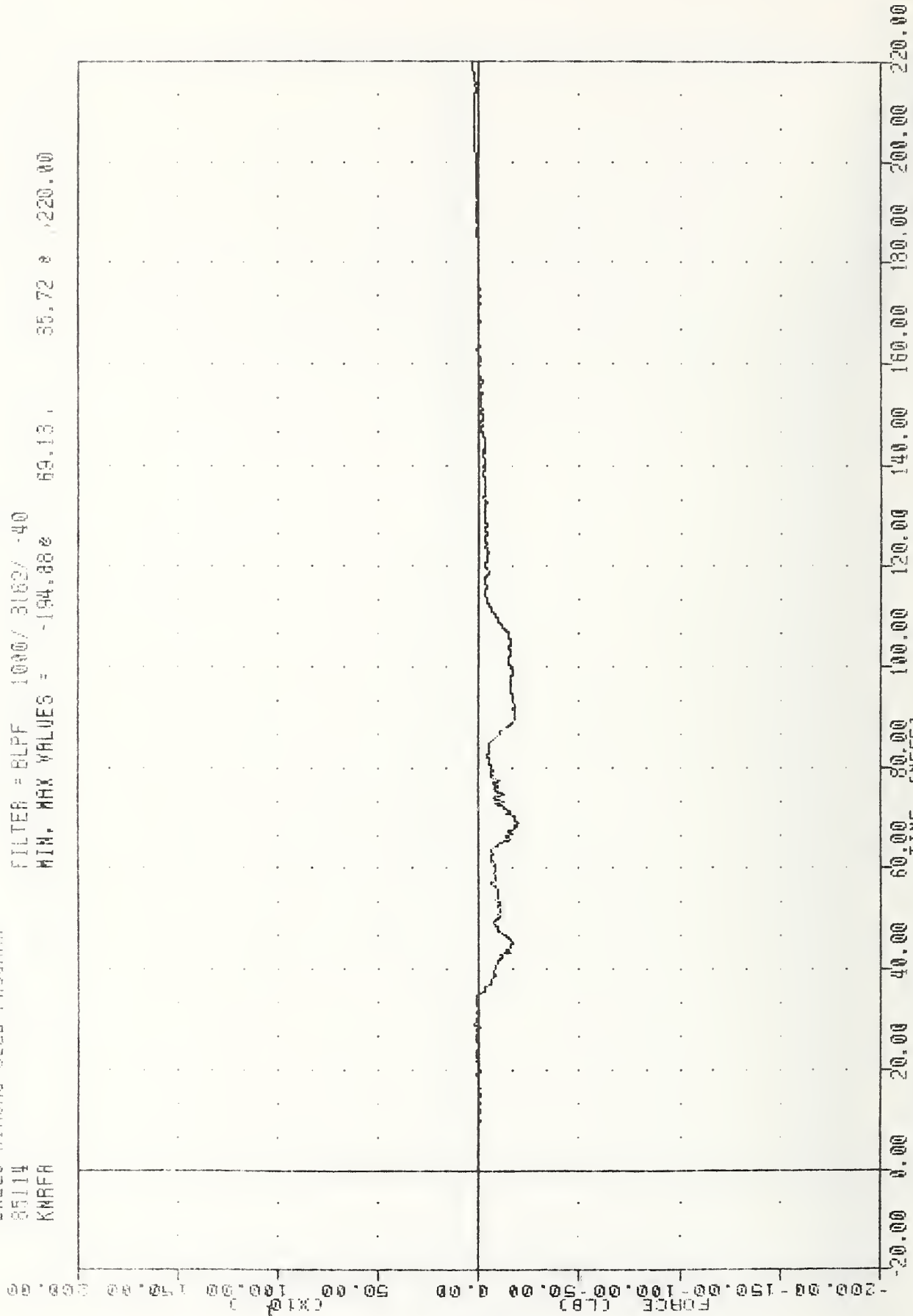
-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 150.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE / LEFT SENSOR L05

VATIC 50334-0-15
 GREEN AIRBAG SLED PROGRAM
 05114
 KMRFA

CRASH TIME = 25-MPH 05 07:41 24

FILTER = BLPF 1000/3182/-40
 MIN. MAX VALUES = -194.88z 35.72z 220.00



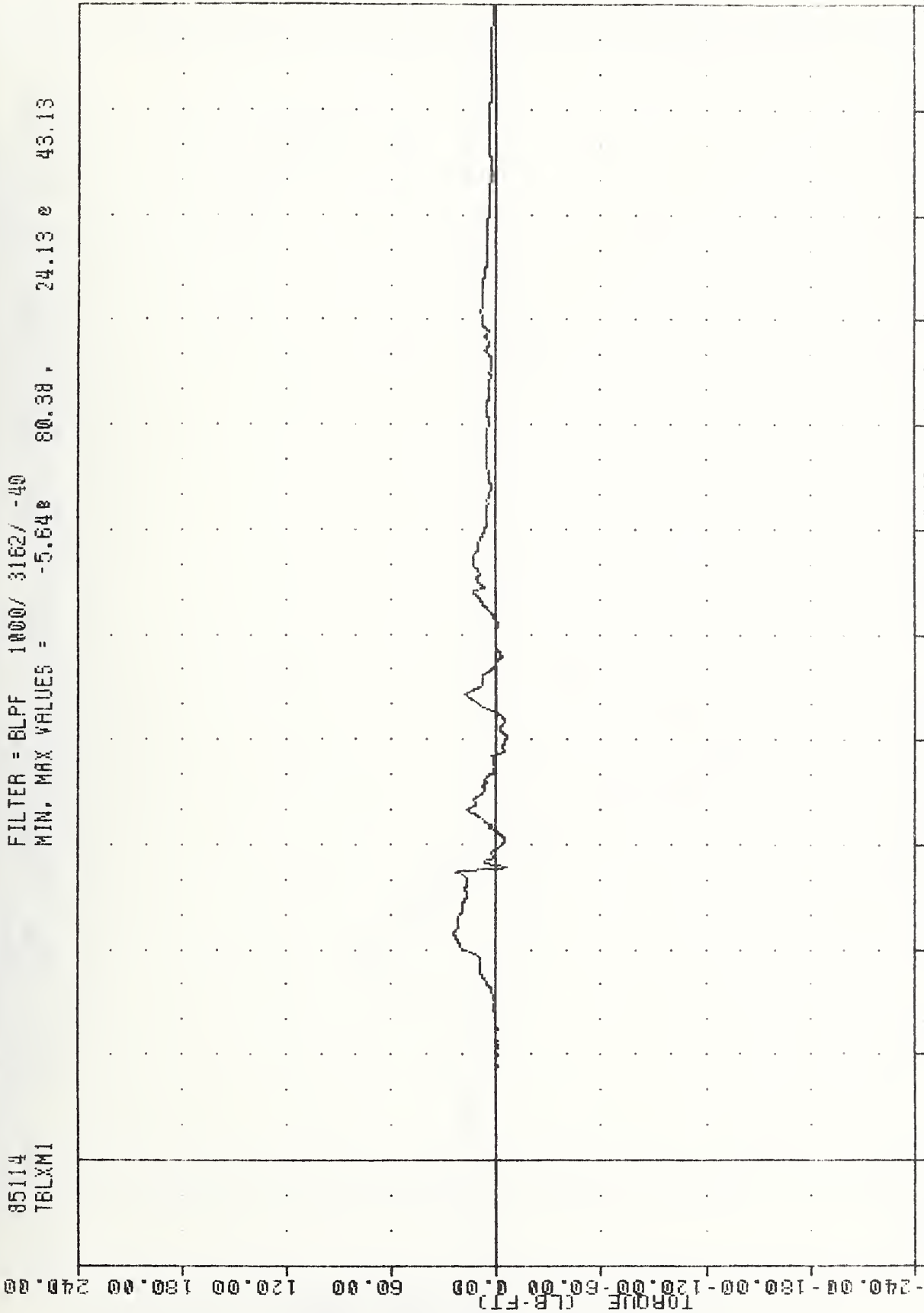
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER RIGHT KNEE / RIGHT SENSOR LBS

VRTC , R0384-4-19
BREED AIRBAG SLED PROGRAM
85114
TBLXMI

FLOT DATE 25-APR-85 07:41:26

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -5.648 80.38 , 24.13 e 43.13



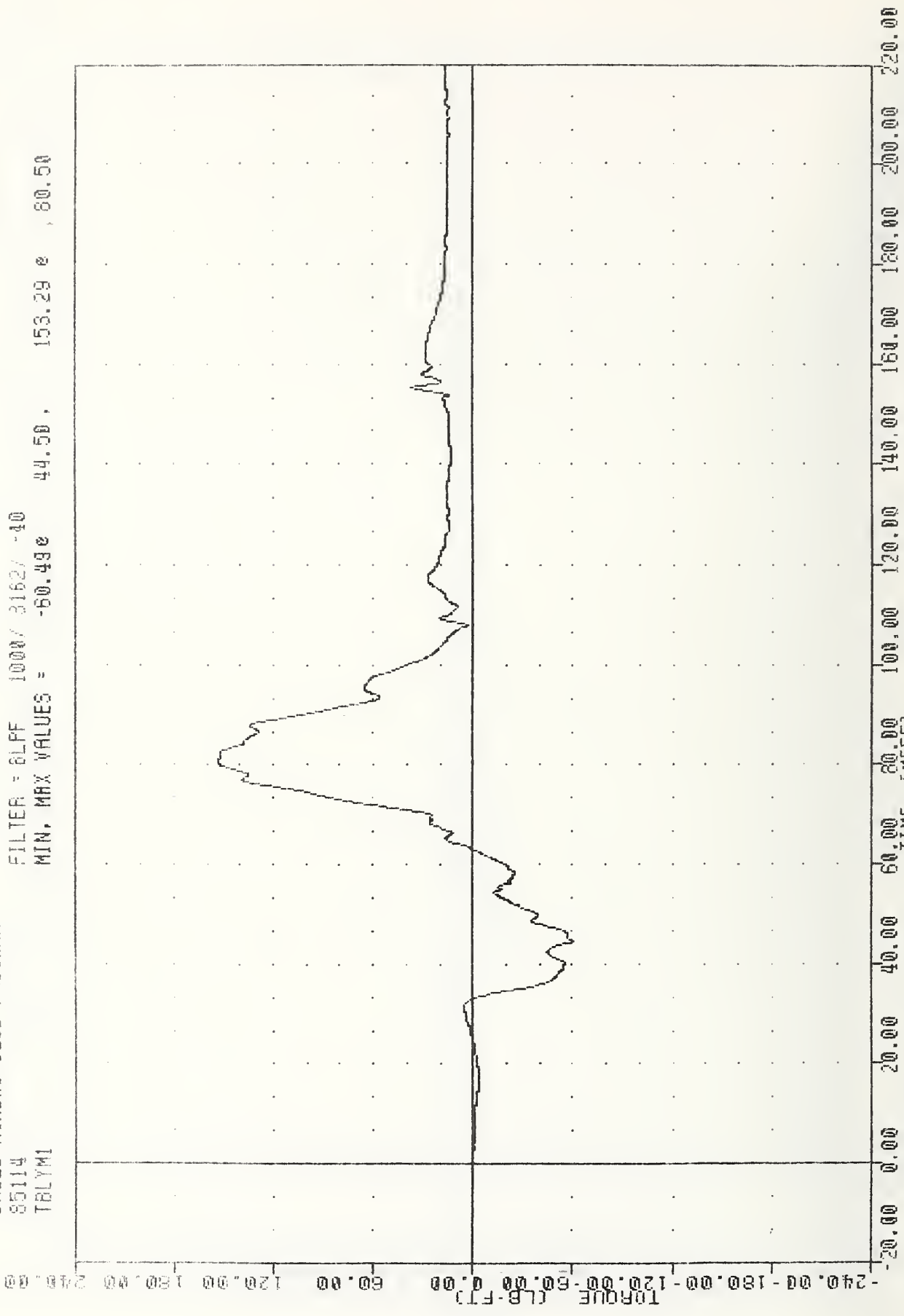
-240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00 240.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT X AXIS LB-FT

VRTC 50-94-9 11
BREED AIRBAG SLED PROGRAM
85114
TBL YMI

PLOT DATE 25-APR-68 07:41:28

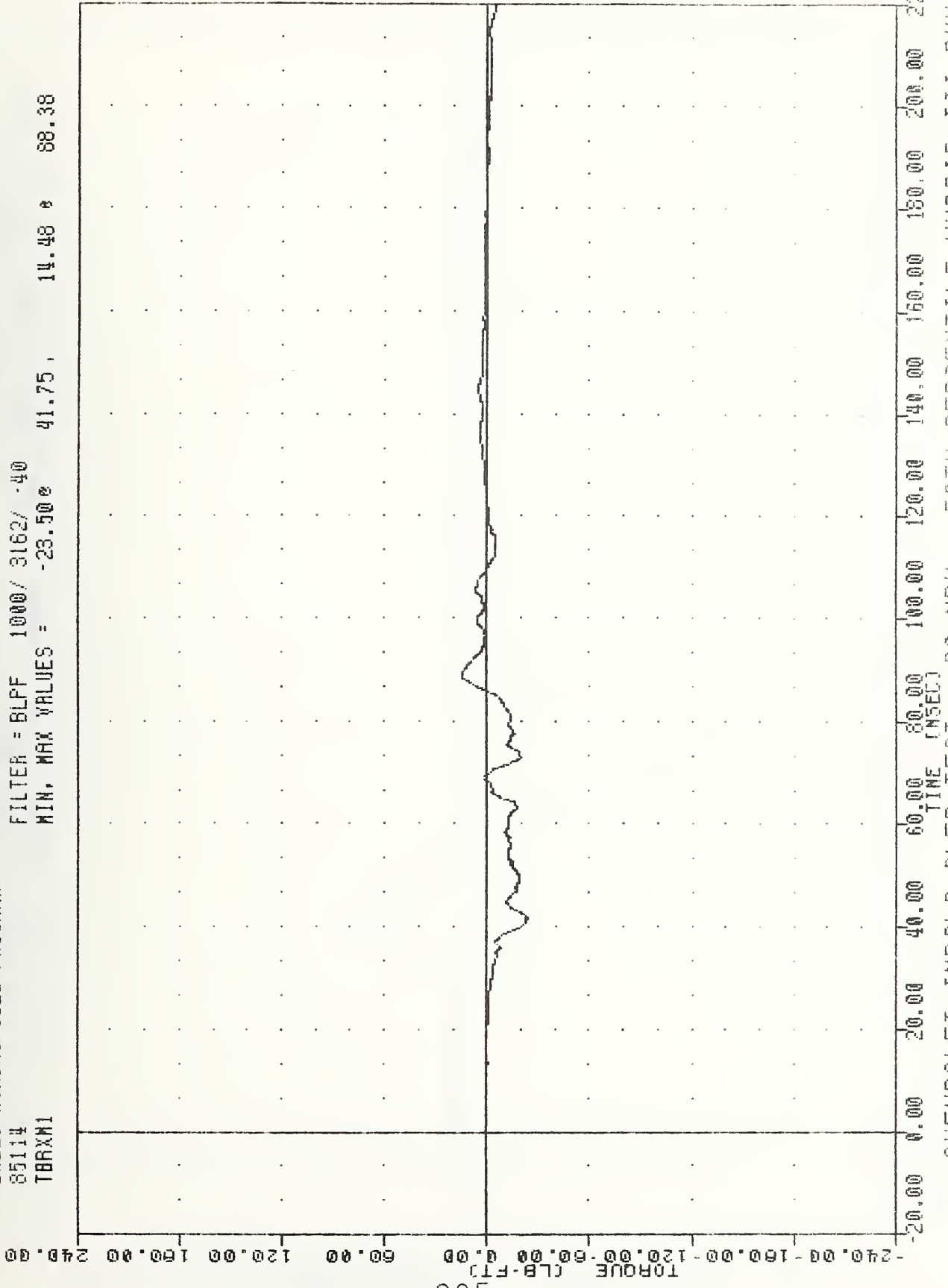
FILTER = 6LFF 1000 / 3162 / -40
MIN, MAX VALUES = -60.49e 44.50 , 153.29 e , 80.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT Y AXIS LB-FT

WATC , R0584-4-19
BREED AIRBAG SLED PROGRAM
85114
TBRXN1

PLOT DATE 25-APR-85 07:41:25
FILTER = BLPF 1000 / 3162 / -40
MIN, MAX VALUES = -23.50e 41.75 , 14.48 e 88.38



285

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT X AXIS 13-FT

NRTC
85114
TERYM1

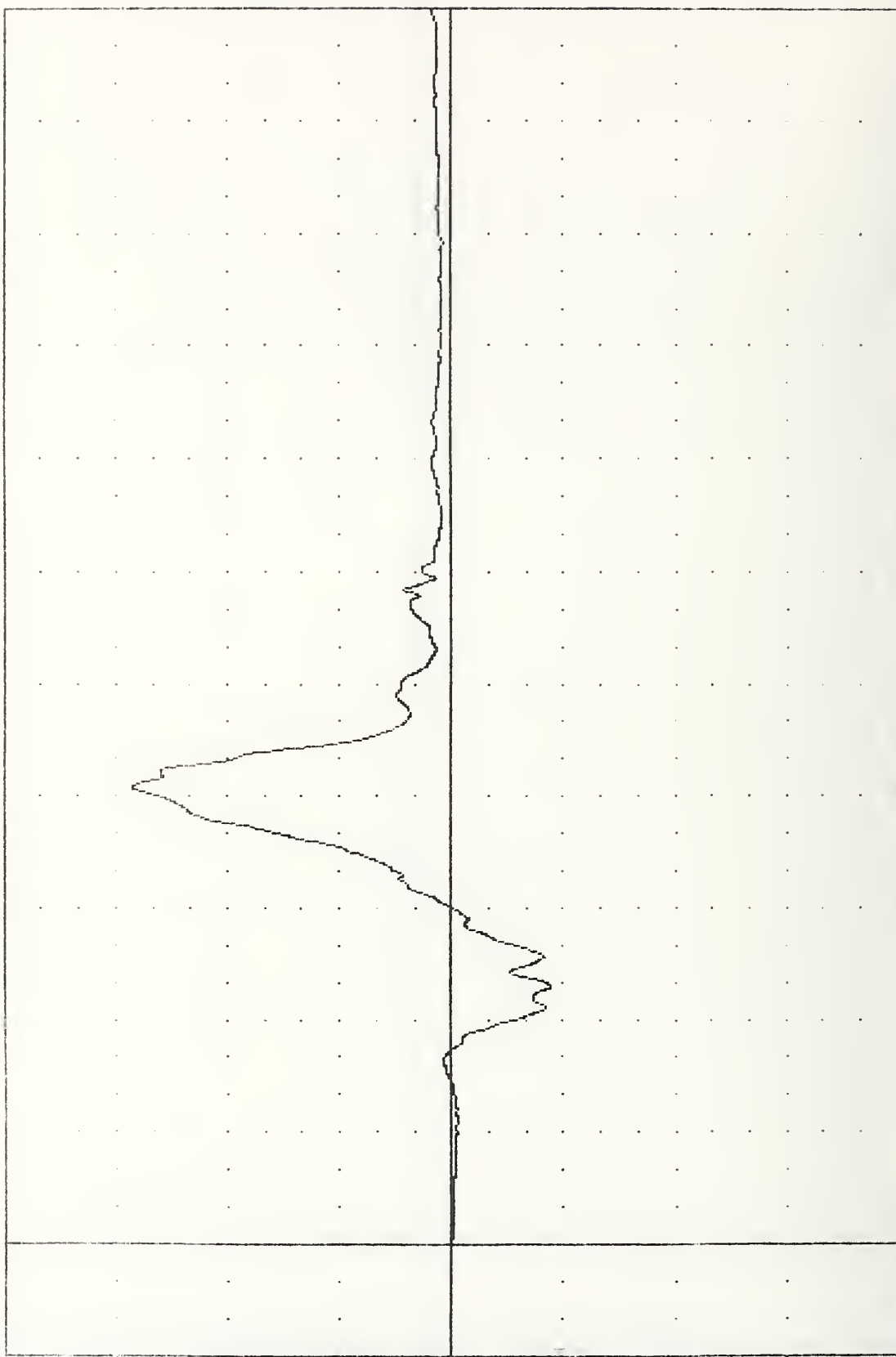
80384-4-19
25-APR-85 07:41:25

BREED AIRBAG SLED PROGRAM

FILTER = 6LFF 1000/ 3152/ -40

MIN. MAX VALUES = -53.62# 46.00 , 171.25 # , 81.50

TORQUE (LB-FT) 240.00 180.00 120.00 60.00 0.00 -60.00 -120.00 -180.00 -240.00



TIME (MSEC) 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

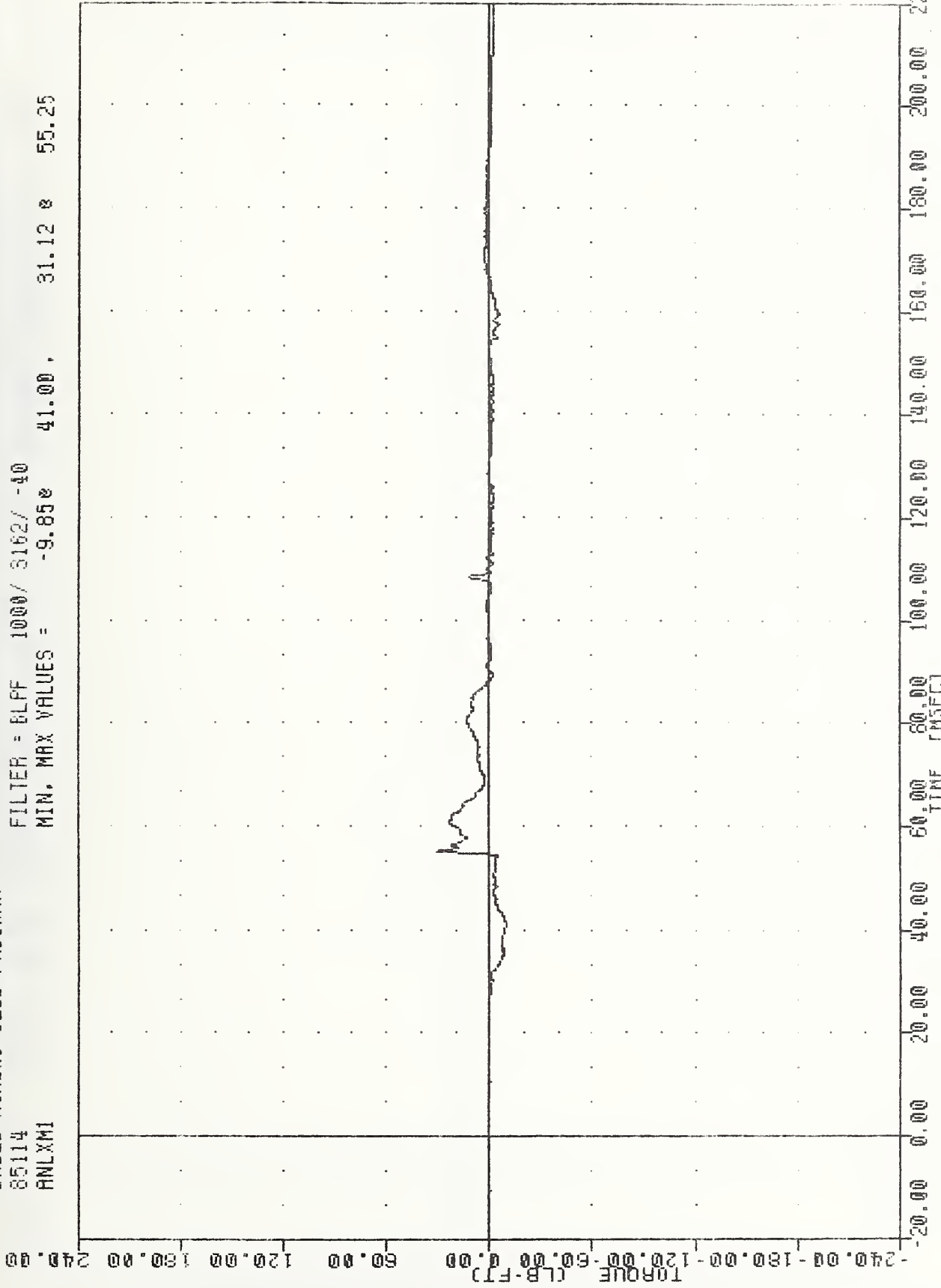
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT Y AXIS LB-FT

VRIC . RD384-4-19
BREED AIRBAG SLED PROGRAM
05114
ANLXMI

PLOT DATE 25-APR-85 07:41:26

FILTER = 6LFF 1000/ 3162/ -40

MIN. MAX VALUES = -9.85e 41.00 . 31.12 e 55.25

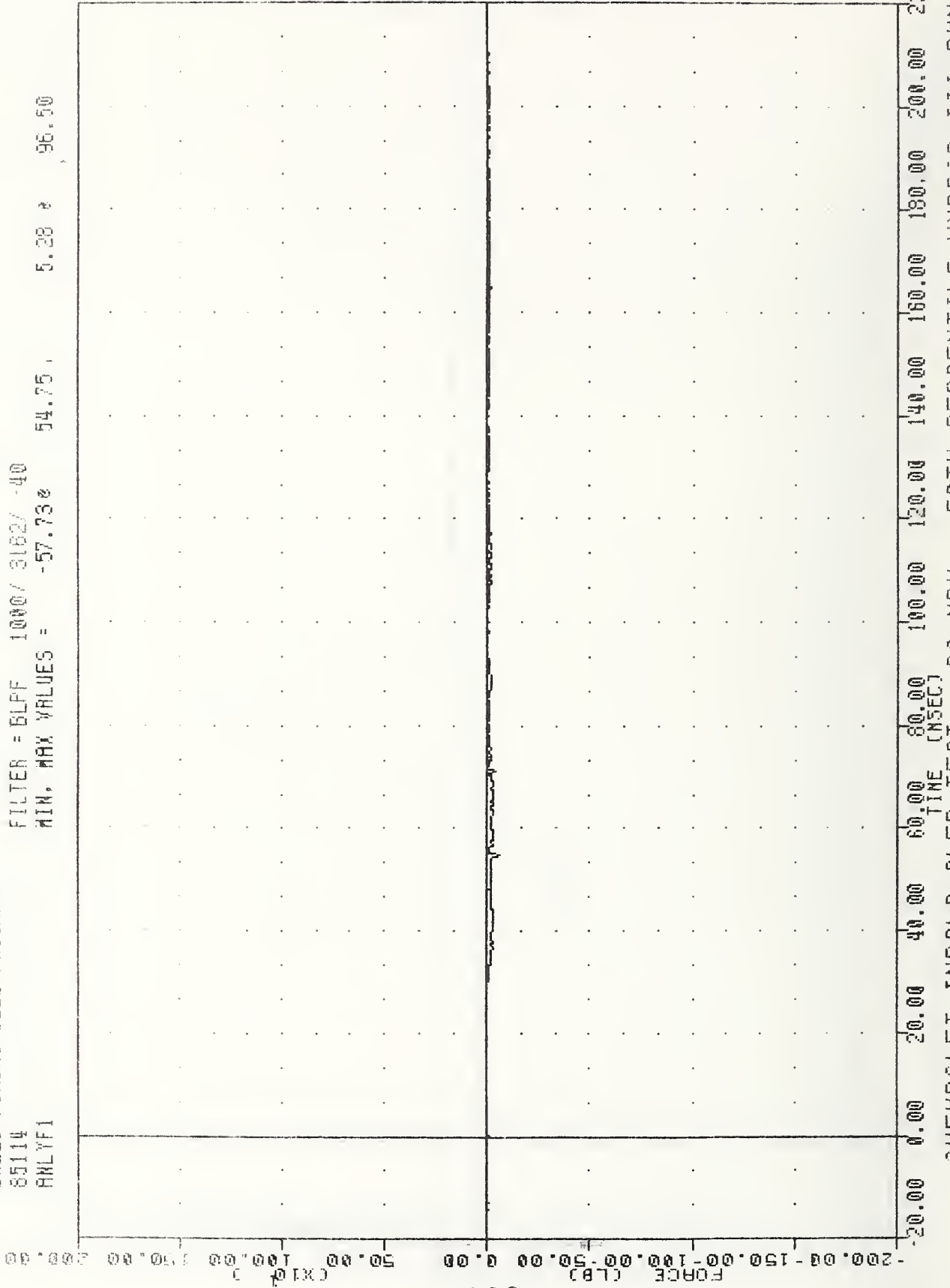


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA MOMENT - AXIS LB FT

VATIC , RD384-4-19
 BREED AIRBAG SLED PROGRAM
 85114
 RMLYF1

PLOT DATE 25-APR-88 07:41:26

FILTER = BLPF 1000 / 3162 / -40
 MIN. MAX VALUES = -57.73e 54.75 , 5.28 e 96.50



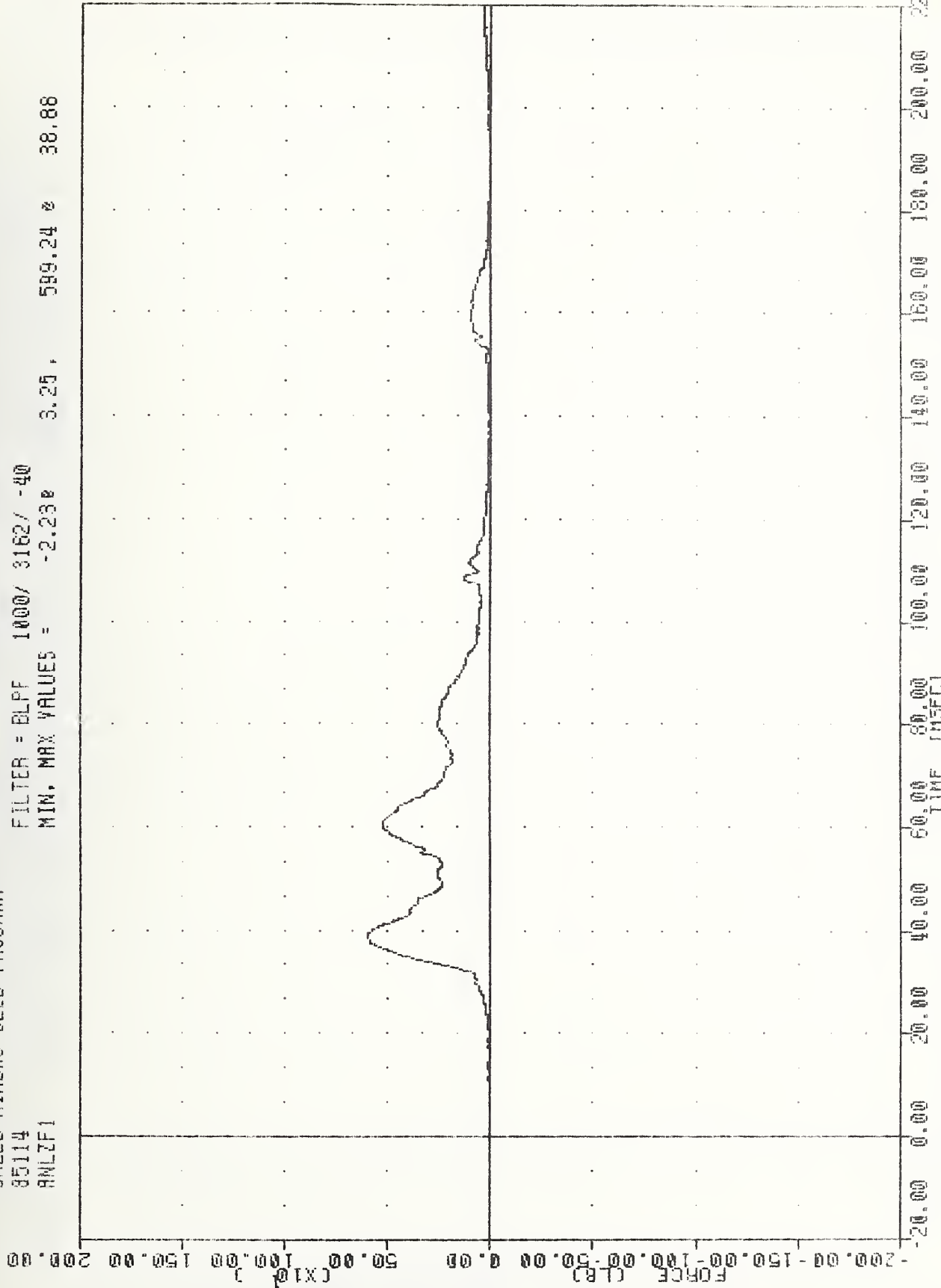
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER LEFT LOWER TIBIA FORCE Y AXIS LBS

VRTC , R0384-4-19
GREED AIRBAG SLED PROGRAM
85114
ANLZF1

PLOT DATE 25-APR-85 07:41:26

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -2.23E 3.25E

599.24 e 38.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMI
DRIVER LEFT LOWER TIAA FORCE Z AXIS LB.

VRIC
85114
ANRXMI

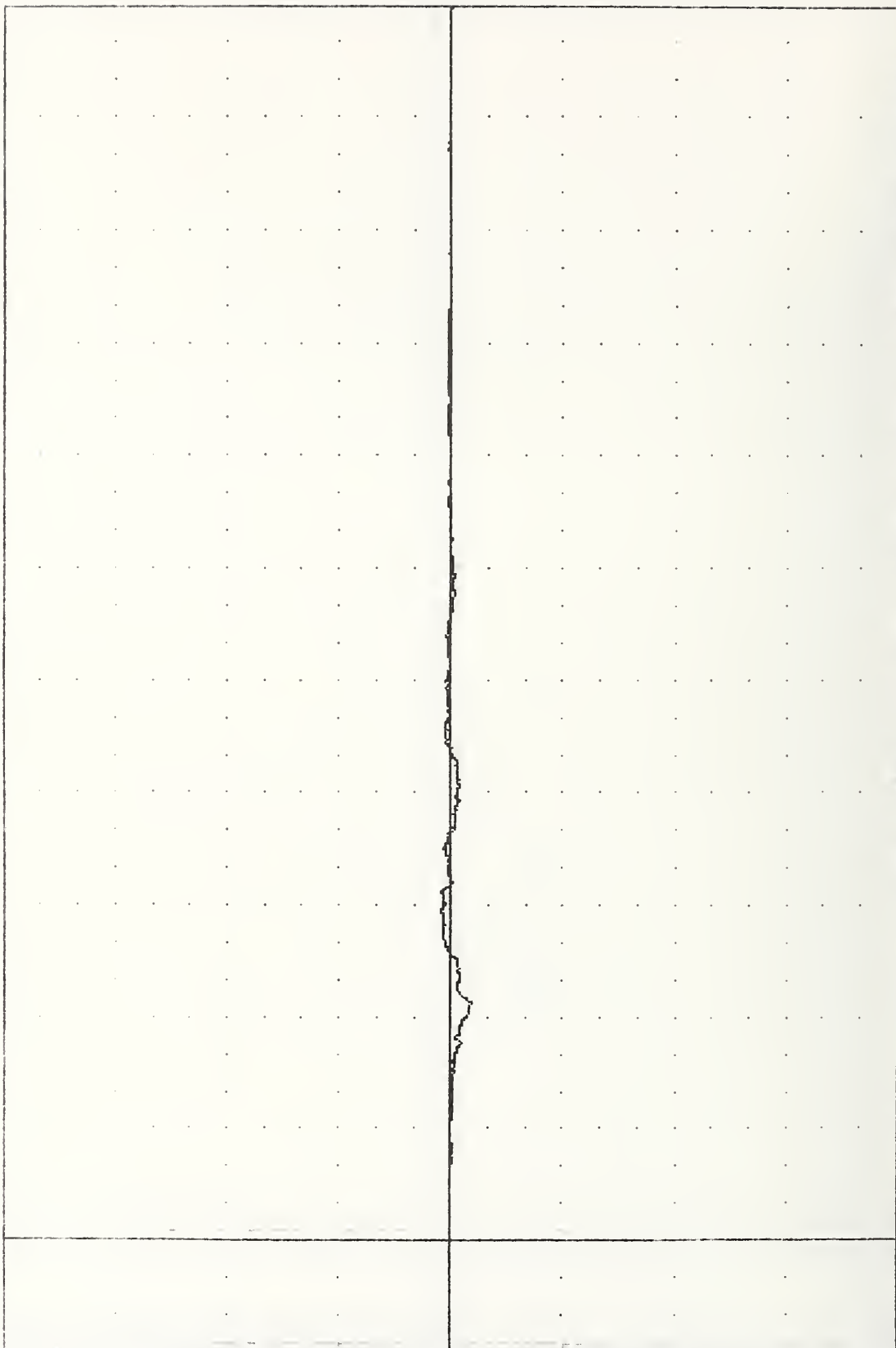
PLUT DATE 25-FEB-95 07:41:25

BAEED AIRBAG SLED PROGRAM

FILTER = SLPF 1000/ 3162/ -40

MIN, MAX VALUES = -10.780 42.50, 5.35 * 59.00

TOFQUE (LB-FT) -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00 240.00



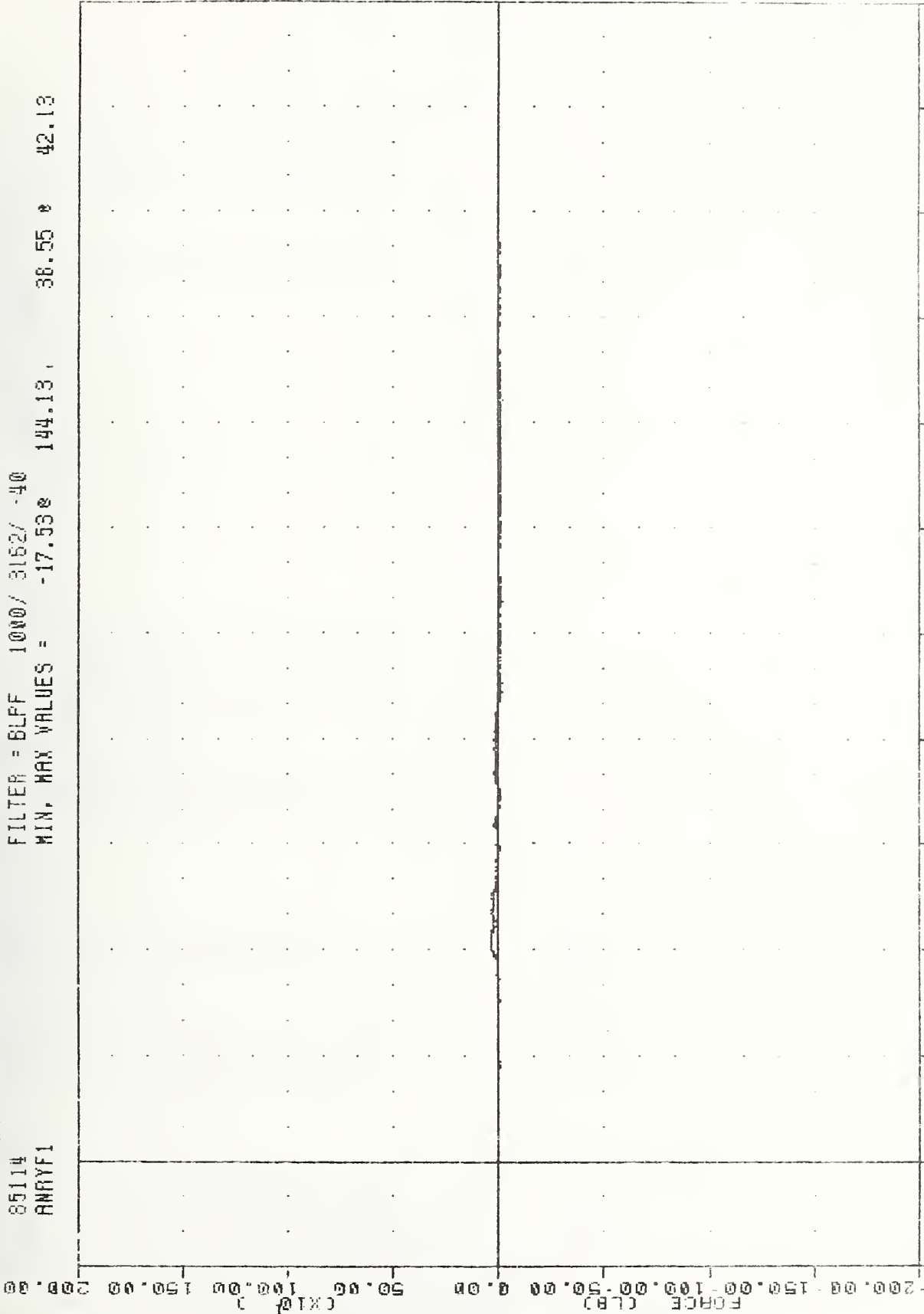
TIME (MSEC) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA MOMENT X AXIS LB-FT

VATO . R0384-4-18
 BREED AIRBAG SLED PROGRAM
 85114
 ANRYF1

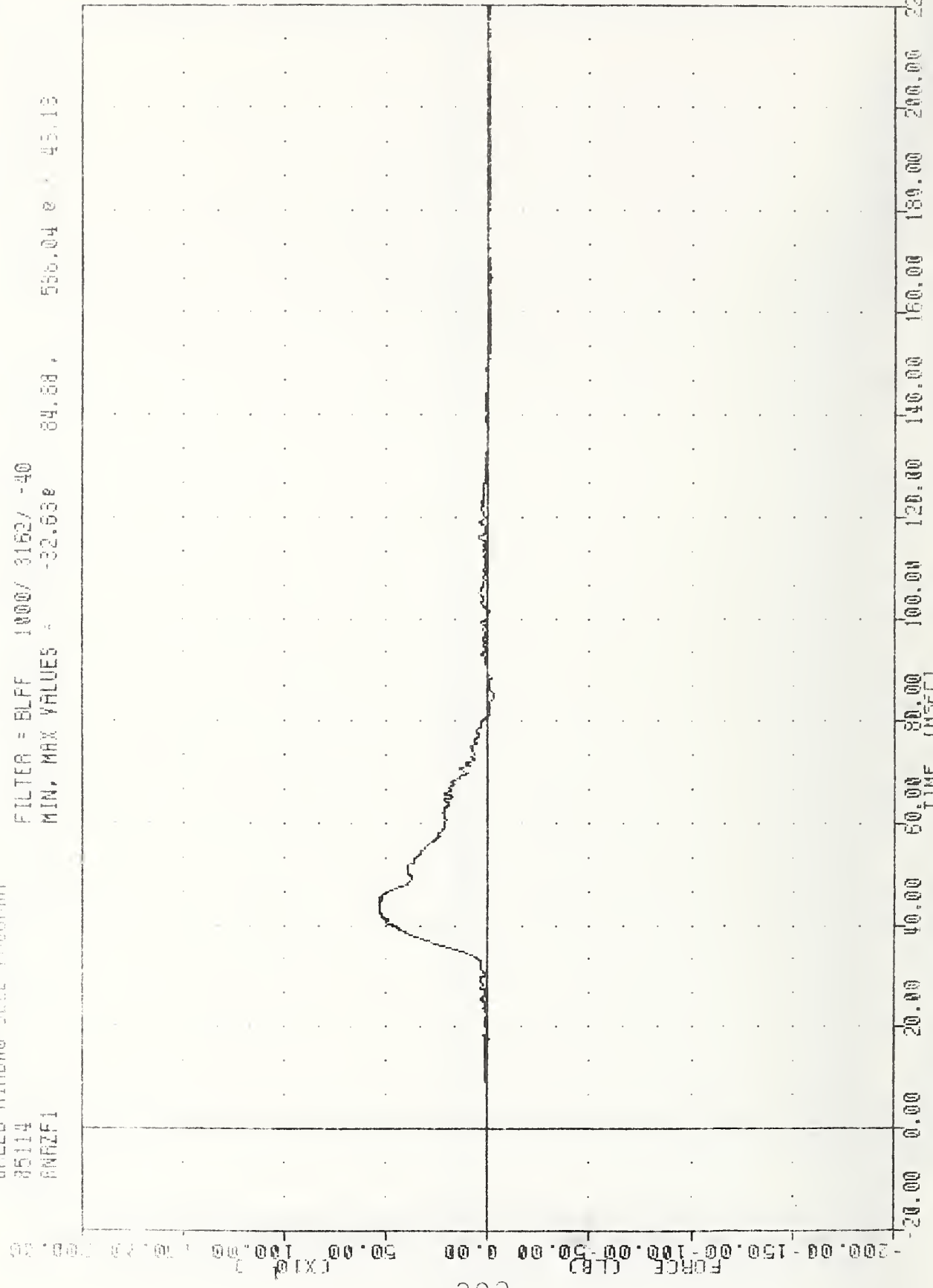
PLOT DATE 25-APR-85 07:41:28

FILTER = 6LFF 1000/ 3162/ -40
 MIN. MAX VALUES = -17.53e 144.13 38.55 * 42.13



CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00
 TIME (MSEC)

V8TC 85114 15 15-877-25 20:41:05
 SPEED AIRBAG SILE PROGRAM
 85114
 RWRZFI
 FILTER = BLFF 1000/ 3162/ -40
 MIN, MAX VALUES = -32.63e 84.88 , 556.04 e 45.13



262

CHEVROLET IMPALA SLED TEST - 30 MPH 50TH PERCENTILE HYBRID 17 DUMMY
 BELTED FRONT SEAT

	Min value	Max value	Data Units	Filter
1	0.078 @ 63.125	1.621 @ -14.875 msec	volt	ALPF 1650/ 5214/ -40
2	-33.038 @ 111.875	0.023 @ -17.000 msec	mph	ALPF 100/ 316/ -40
3	-23.524 @ 57.125	1.137 @ 121.625 msec	g	BLPF 100/ 316/ -40
4	-153.888 @ 75.000	5.608 @ 88.750 msec	g	ALPF 1650/ 5214/ -40
5	-11.473 @ 88.750	13.678 @ 88.375 msec	g	ALPF 1650/ 5214/ -40
6	-69.030 @ 88.625	68.746 @ 87.750 msec	g	ALPF 1650/ 5214/ -40
7	-47.537 @ 115.250	3.847 @ 176.125 msec	g	BLPF 300/ 949/ -40
8	-3.483 @ 90.750	8.683 @ 110.250 msec	g	BLPF 300/ 949/ -40
9	-10.008 @ 92.250	38.250 @ 105.000 msec	g	BLPF 300/ 949/ -40
10	-241.098 @ 76.250	90.364 @ 81.750 msec	g	BLPF 300/ 949/ -40
11	-254.467 @ 80.000	140.093 @ 82.875 msec	g	BLPF 300/ 949/ -40
12	-66.481 @ 89.875	3.954 @ 163.750 msec	g	BLPF 300/ 949/ -40
13	-12.809 @ 85.625	20.277 @ 89.625 msec	g	BLPF 300/ 949/ -40
14	-11.422 @ 75.750	9.456 @ 90.000 msec	g	BLPF 300/ 949/ -40
15	-2521.722 @ 88.875	84.680 @ 158.125 msec	lb	BLPF 1000/ 3162/ -40
16	-1449.700 @ 84.875	43.390 @ 139.625 msec	lb	BLPF 1000/ 3162/ -40
17	-23.111 @ 57.375	1.783 @ 121.250 msec	g	BLPF 100/ 316/ -40
18	-2.734 @ 118.375	3.784 @ 35.125 msec	g	BLPF 100/ 316/ -40
19	-2.788 @ 111.500	3.910 @ 28.625 msec	g	BLPF 100/ 316/ -40
20	-0.041 @ 15.000	2.119 @ 23.125 msec	volt	ALPF 1650/ 5214/ -40
21	-1.221 @ 131.375	10.040 @ 85.875 msec	volt	ALPF 1650/ 5214/ -40

293

	Min value	Max value	Data Units	Filter
1	0.060 @ -18.000	154.276 @ 75.000 msec	g	ALPF 1650/ 5214/ -40
2	0.022 @ -7.125	48.495 @ 115.125 msec	g	BLPF 300/ 949/ -40
3	0.031 @ -5.375	70.042 @ 89.875 msec	g	BLPF 300/ 949/ -40
4	0.048 @ -17.000	23.113 @ 57.250 msec	g	BLPF 100/ 316/ -40

TRC421AP. RAD;3
VRTC RD384-4-20 BREED AIRBAG SLED PROGRAM 30-APR-85 09:16
85115 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDXV1	-42.733 @ 205.750	0.960 @ 74.500 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-54.976 @ 220.000	0.093 @ 76.500 msec	in	BLPF 300/ 949/ -40
3	CSTXD1	-33.920 @ 139.125	-0.124 @ 19.625 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-47.328 @ 220.000	-0.076 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-30.734 @ 147.625	0.380 @ 4.500 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-45.789 @ 220.000	0.384 @ 29.875 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-32.655 @ 114.375	0.032 @ -20.000 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-62.733 @ 220.000	0.020 @ -4.750 msec	in	BLPF 300/ 949/ -40
9	LPBXV	-32.225 @ 113.625	-0.255 @ -13.000 msec	mph	BLPF 300/ 949/ -40
10	LPBXD	-62.142 @ 220.000	-0.141 @ -20.000 msec	in	BLPF 300/ 949/ -40

TRC421AP. RAD;2
VRTC RD384-4-20 BREED AIRBAG SLED PROGRAM 30-APR-85 09:16
85109 30.00 mph

		Min value	Max value	Data Units	Filter
1	HD27G1	-49.560 @ 89.000	173.750 @ 75.000 msec	g	ALPF 1650/ 5214/ -40
2	NEKXF1	-355.319 @ 114.375	95.852 @ 146.125 msec	lb	BLPF 100/ 316/ -40
3	NEKYM1	-255.361 @ 112.250	32.160 @ 146.125 msec	lb-ft	BLPF 100/ 316/ -40
4	NEKZF1	-75.447 @ 104.875	83.227 @ 129.250 msec	lb	BLPF 100/ 316/ -40
5	CSTXD1	-0.027 @ 52.125	2.815 @ 118.750 msec	in	BLPF 300/ 949/ -40
6	KNLF1	-206.822 @ 40.250	826.901 @ 88.875 msec	lb	BLPF 1000/ 3162/ -40
7	KNLFA	-286.968 @ 43.125	423.837 @ 89.000 msec	lb	BLPF 1000/ 3162/ -40
8	KNRF1	-390.609 @ 45.250	73.776 @ 99.375 msec	lb	BLPF 1000/ 3162/ -40
9	KNRFA	-212.442 @ 75.500	23.980 @ 30.625 msec	lb	BLPF 1000/ 3162/ -40
10	TBLXM1	-37.026 @ 94.250	33.707 @ 89.875 msec	lb-ft	BLPF 1000/ 3162/ -40
11	TBLYM1	-59.531 @ 128.250	294.371 @ 88.750 msec	lb-ft	BLPF 1000/ 3162/ -40
12	TBRXM1	-28.472 @ 43.750	27.533 @ 64.250 msec	lb-ft	BLPF 1000/ 3162/ -40
13	TBRYM1	-71.311 @ 56.000	40.618 @ 81.250 msec	lb-ft	BLPF 1000/ 3162/ -40
14	ANLXM1	-10.031 @ 43.625	37.416 @ 48.125 msec	lb	BLPF 1000/ 3162/ -40
15	ANLYF1	-68.026 @ 47.625	45.090 @ 103.125 msec	lb	BLPF 1000/ 3162/ -40
16	ANLZF1	-91.656 @ 110.250	597.033 @ 40.125 msec	lb	BLPF 1000/ 3162/ -40
17	ANRXM1	-12.664 @ 43.250	58.782 @ 63.750 msec	lb	BLPF 1000/ 3162/ -40
18	ANRYF1	-92.105 @ 62.875	133.968 @ 62.250 msec	lb	BLPF 1000/ 3162/ -40
19	ANRZF1	-24.839 @ 169.000	680.196 @ 44.625 msec	lb	BLPF 1000/ 3162/ -40

HEDRG1

* * * HIC computation for [SLED,BREED]TRC421RF.RAD:2 30-APR-85 09:38:48
HEDRG1 VRTC RD384-4-20 85115 BREED AIRBAG SLED PROGRAM
Using time range = 0.000 to 150.625 msec Peak accel = 154.28 @ 75.000
HIC = 586.08 Interval from 87.000 [857] to 114.750 [1079]
HIC = 442.20 Interval from 93.000 [905] to 108.000 [1025]

R SYSF:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. Period

Enter input filespec -> TRC421RF
File TRC421RF -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-20 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 LPBRG

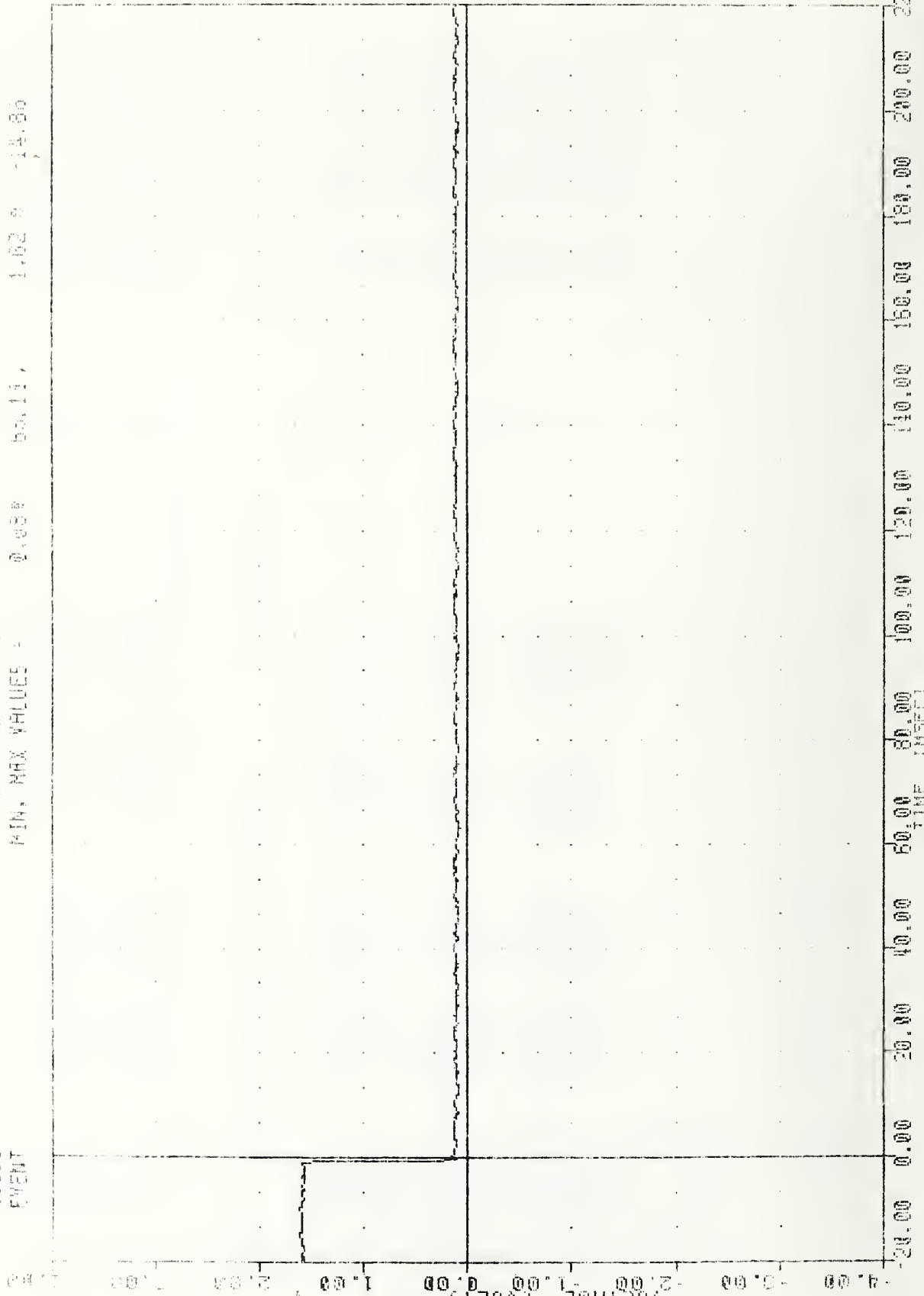
Enter channel name -> CSTRG1
[SLED,BREED]TRC421RF.RAD:2 VRTC RD384-4-20
BREED AIRBAG SLED PROGRAM 30.0 mph 85115 30-APR-85 09:39:42
Deltax: 0.125

3 MS CLIP PEAK: 47.45013
Please run LSTRAD on this channel for the full time
and give it to the Project manager to double-check Peak

Enter channel name -> EXIT
Enter input filespec -> EXIT
\$

WGTG 100.00
BASED AIRBAG SLED TEST
05115
EVENT

FILTER = ALFF 1650/ 5214/ -40
MIN. MAX VALUES = 0.00V 1.02 0 -14.80



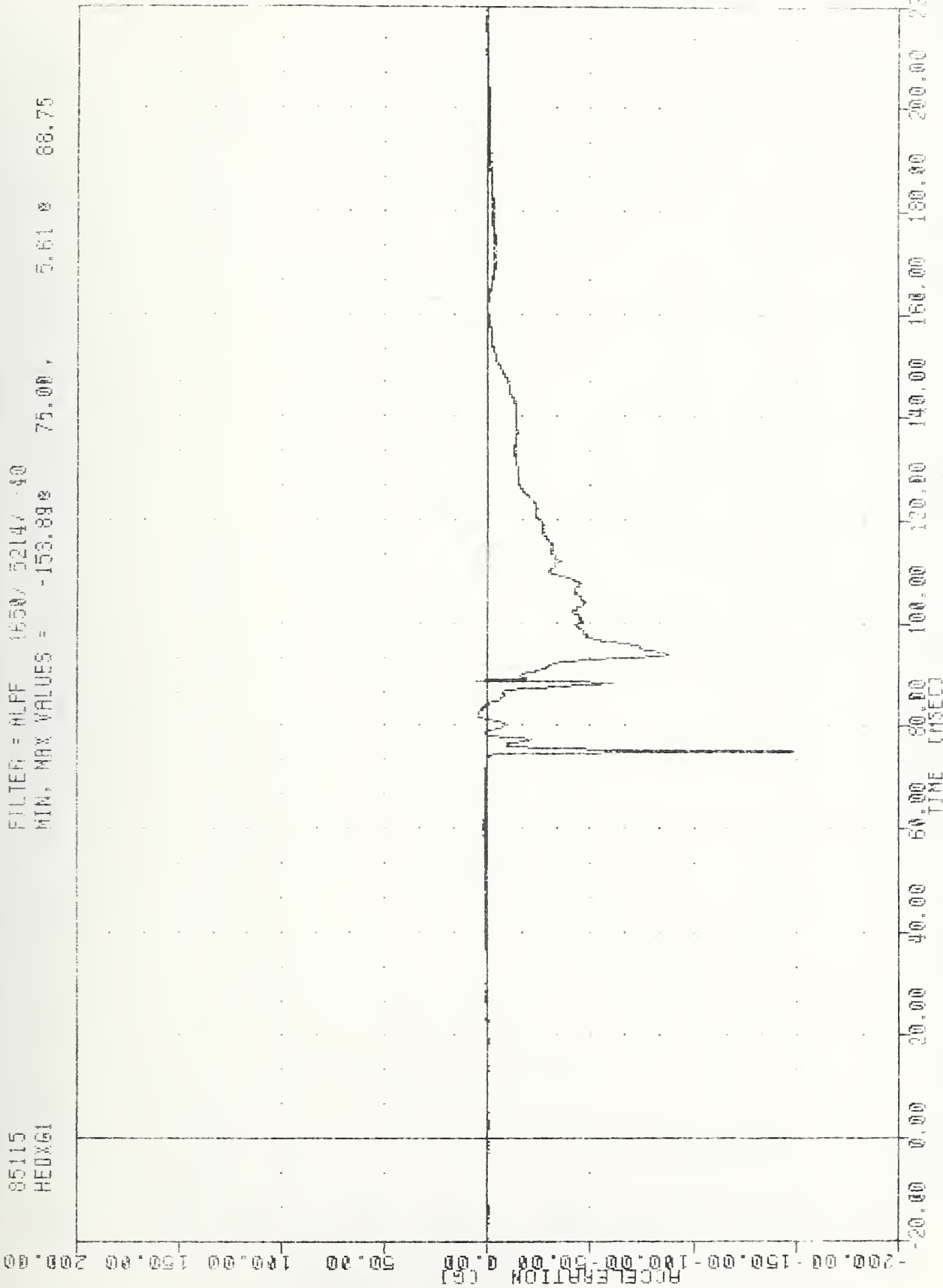
296

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID IOL DUMMY
E 277

V876
BREAD AIRBAG SLED PROGRAM
85115
HE0XG1

5000 DATA 10 9 8 55 14 34

FILTER = ALFF 1650V 5214V 40
MIN. MAX VALUES = 75.00 5.61 88.75

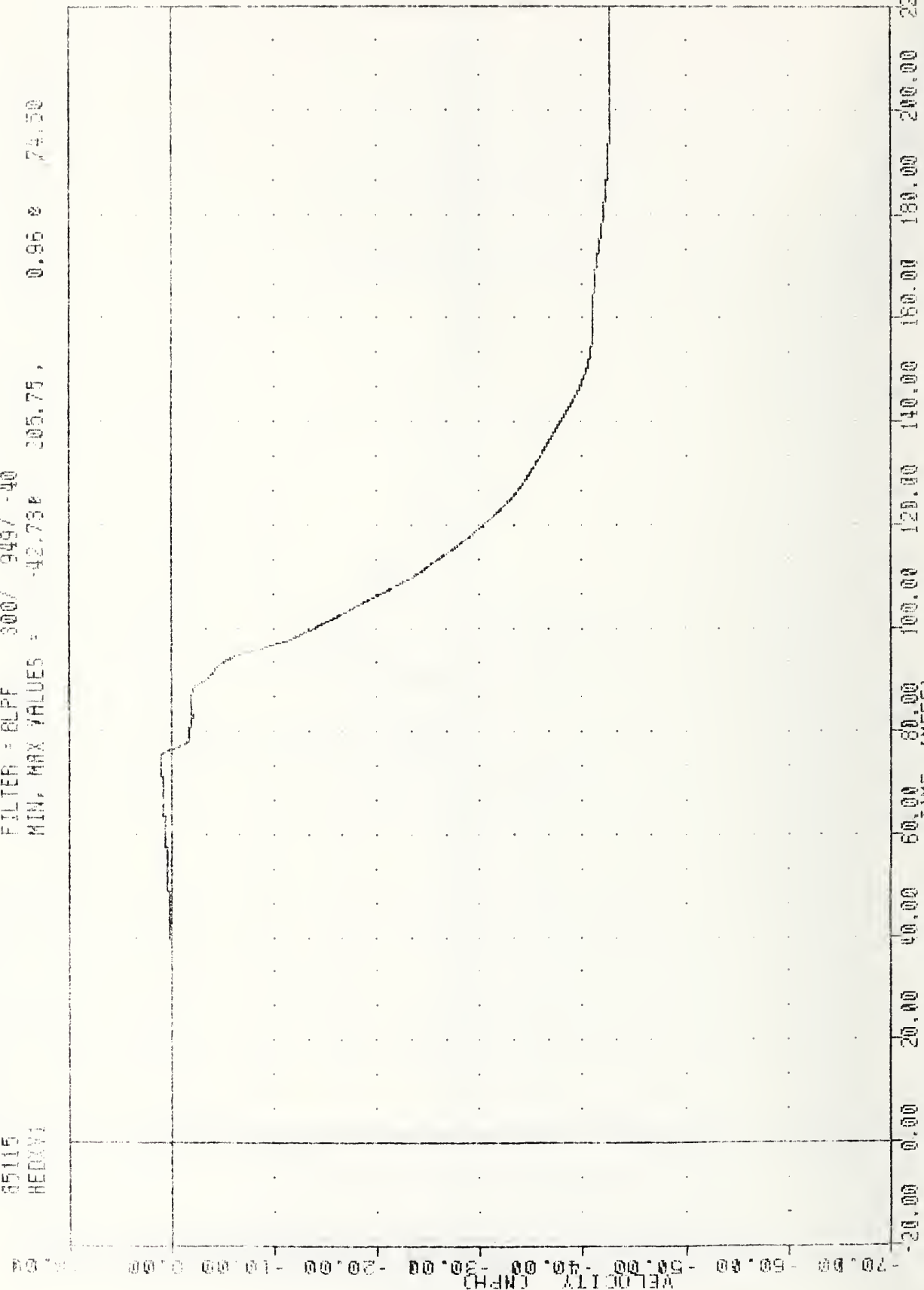


CHEVROLET IMPACT WED TEST 50 MPH 70% PERCENTILE HYBRID IIT DUMM

VRIC 80564-1-20
BREED AIRBAG SLED PROGRAM
85115
HEDXV1

DATE 10-APR-03 11:13:03

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -42.736 305.75, 0.96 74.50



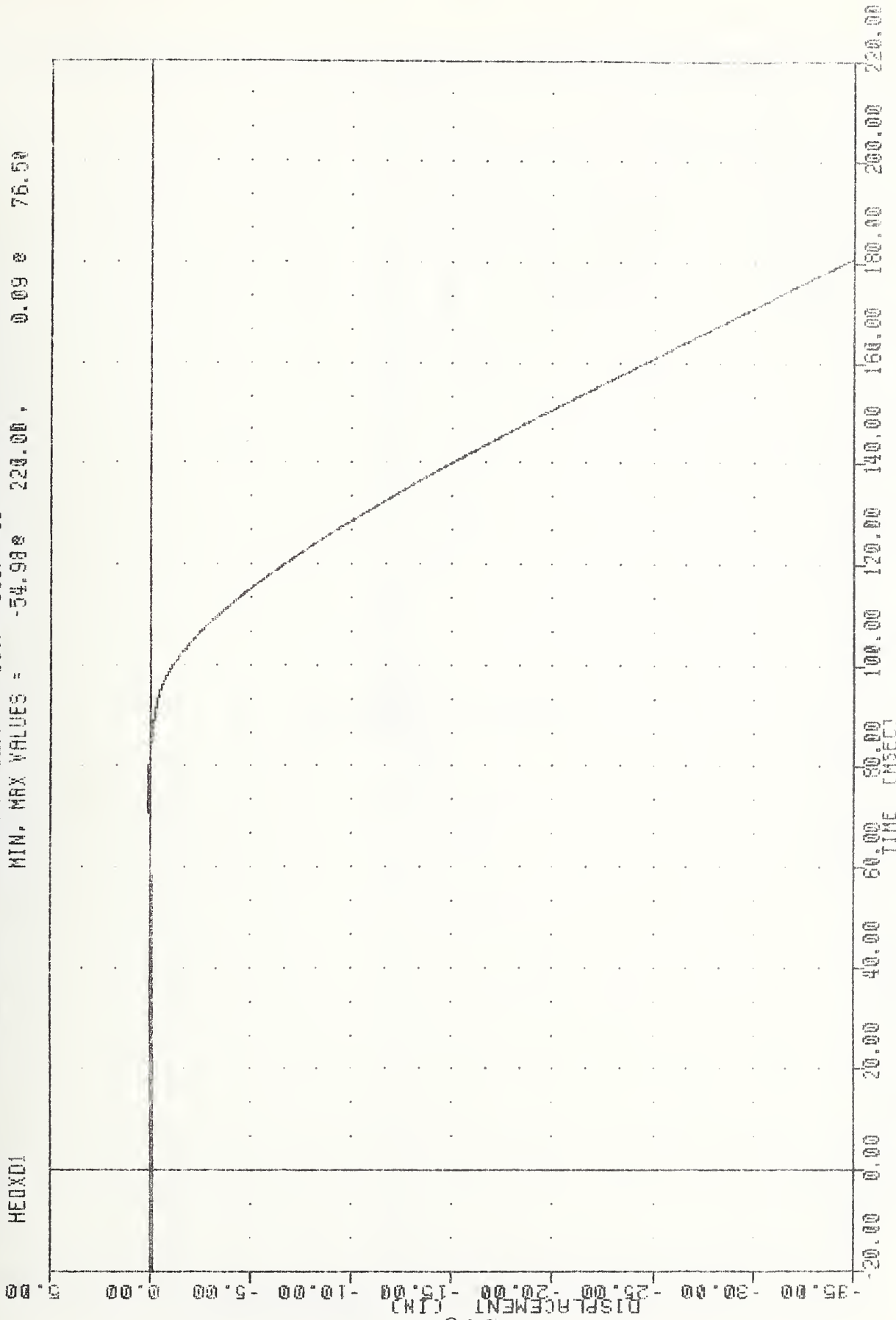
862

CHEVROLET IMPALA SLED TEST - 30 MPF - 50TH PERCENTILE HYBRID III DUMMY
DELTA V (MSINE PED76)

V87C
BREED AIRBAG SLED PROGRAM
85115
HEAD01

PLOT DATE 30-APR-85 11:18:09

FILTER = BLPF 300/ 949/ -10
MIN. MAX VALUES = -54.98 220.00 0.09 e 76.50



662

CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA USING HEAD01

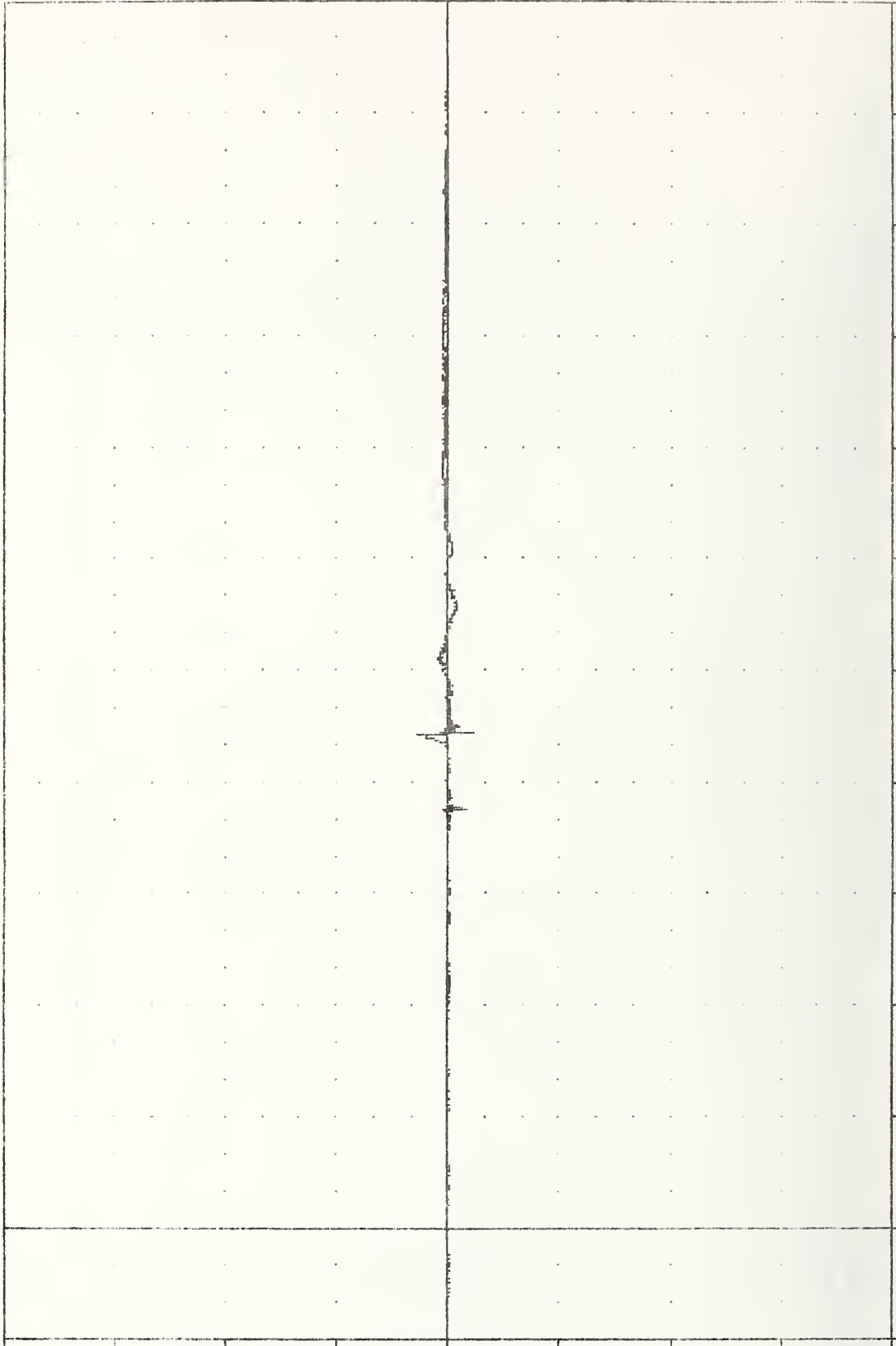
VRTC , RD384-4-20
BAREO AIRBAG SLED PROGRAM
05115
MEDY61

PLOT DATE 30-APR-85 11:14:34

FILTER = ALPF 1650/ 5214/ .40

MIN. MAX VALUES = -11.97e 88.75 , 13.68 e 88.38

ACCELERATION (G)

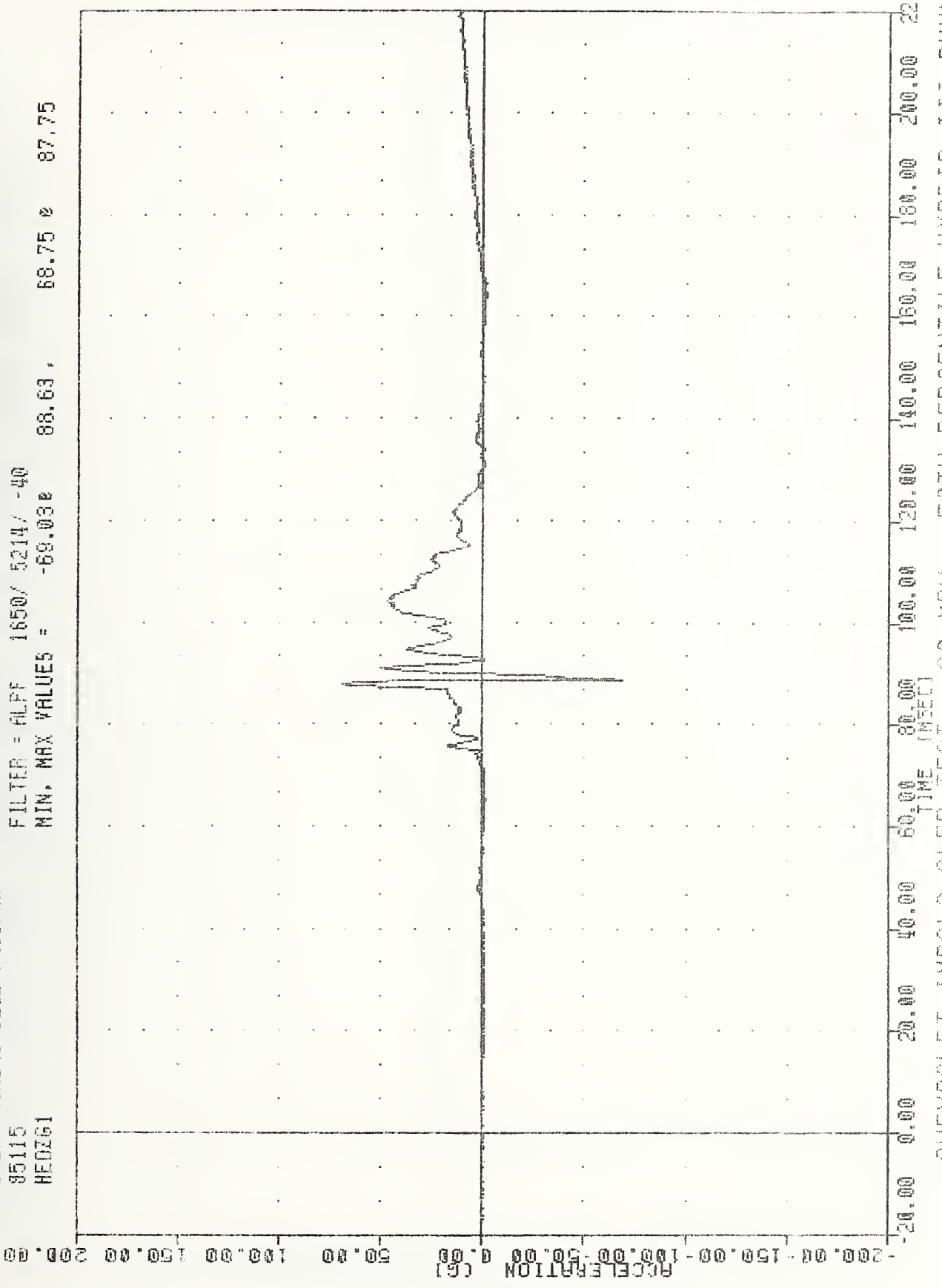


-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID IJI DUMMY
DRIVER HEAD ACCELERATION Y AXIS

VRTC
 BREED AIRBAG SLED PROGRAM
 85115
 HEDZG1

PLOT DATE 30-APR-85 11:14:34
 FILTER = ALFF 1650/ 5214/ -40
 MIN. MAX VALUES = -69.03e 88.63, 68.75 e 87.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-20
BREED AIRBAG SLED PROGRAM
85115
CSTXG1

PLOT DATE 30-APR-85 11:14:34

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -47.54g 115.25g 3.85g 176.13

100.00

75.00

50.00

25.00

0.00

-25.00

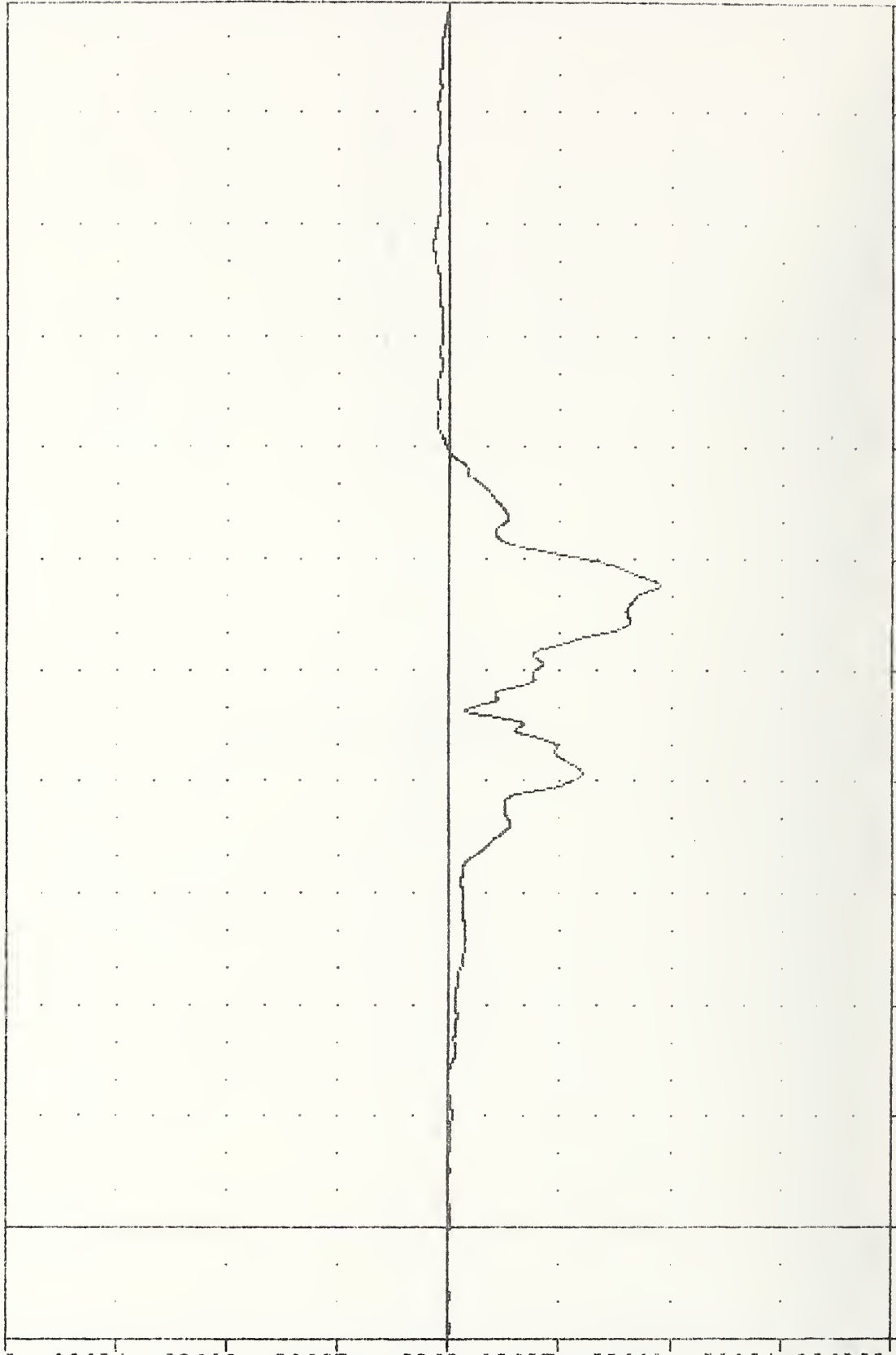
-50.00

-75.00

-100.00

ACCELERATION (G)

302

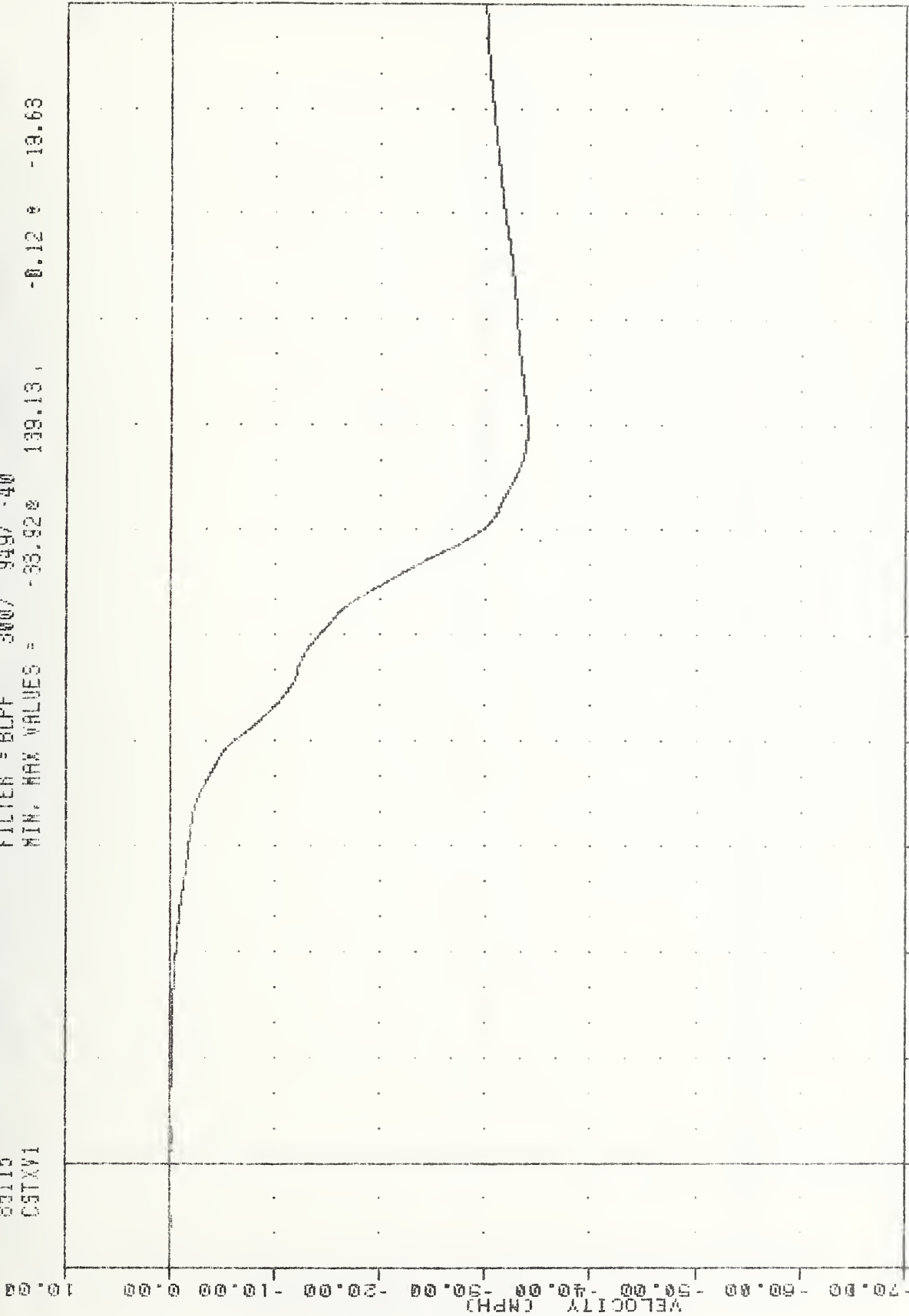


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VETC RD884-4-20
 BREED AIRBAG SLED PROGRAM
 85115
 CSTXVI

PLOT DATE 30-APR-85 11:18:08
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -33.92% 139.13 , -0.12 % -19.63



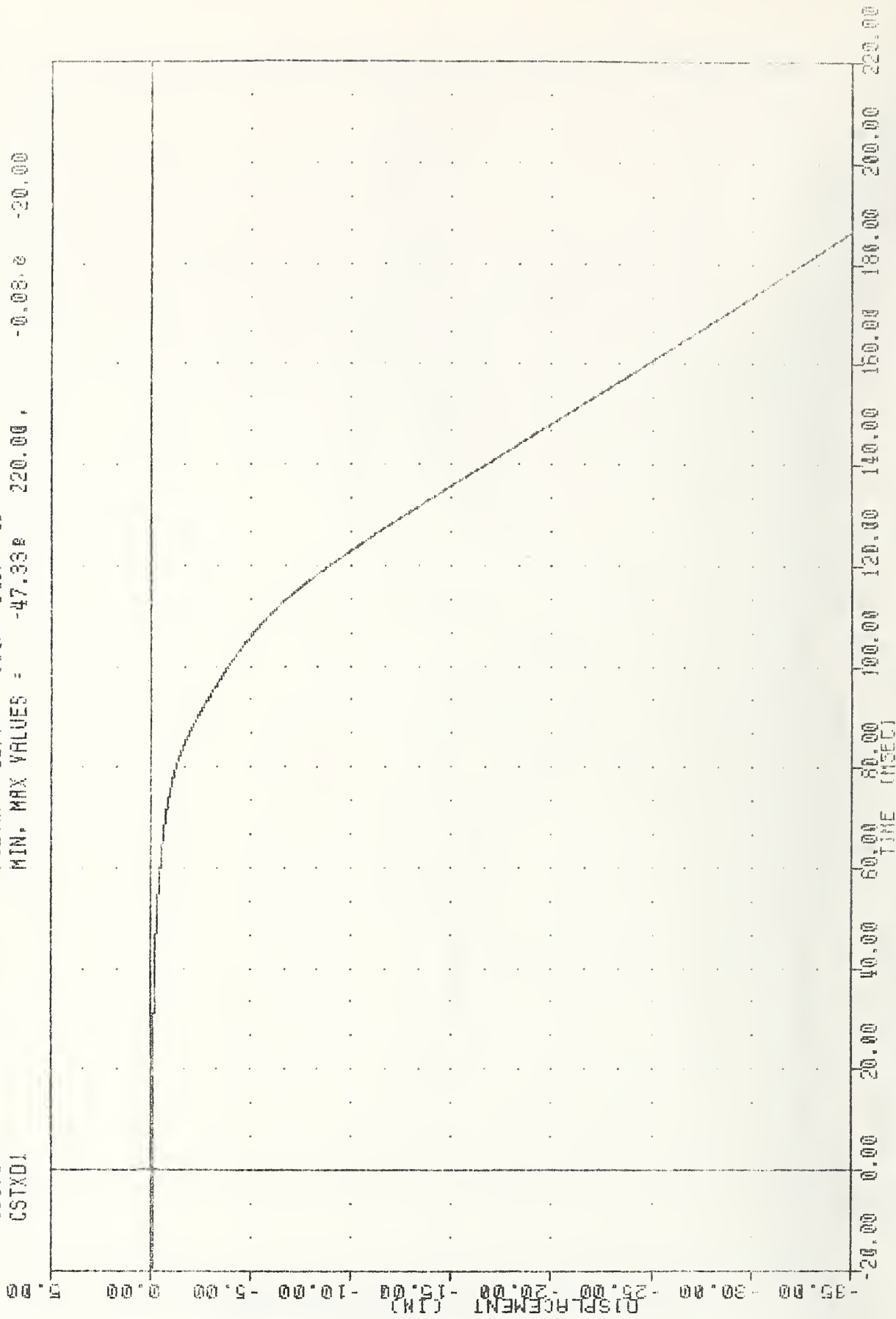
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DELTA VELOCITY (STY6)

VRTC
85115
CSTXD1
80384-1-20
BREED AIRBAG SLED PROGRAM

PLOT DATE 30-APR-85 11:16:09

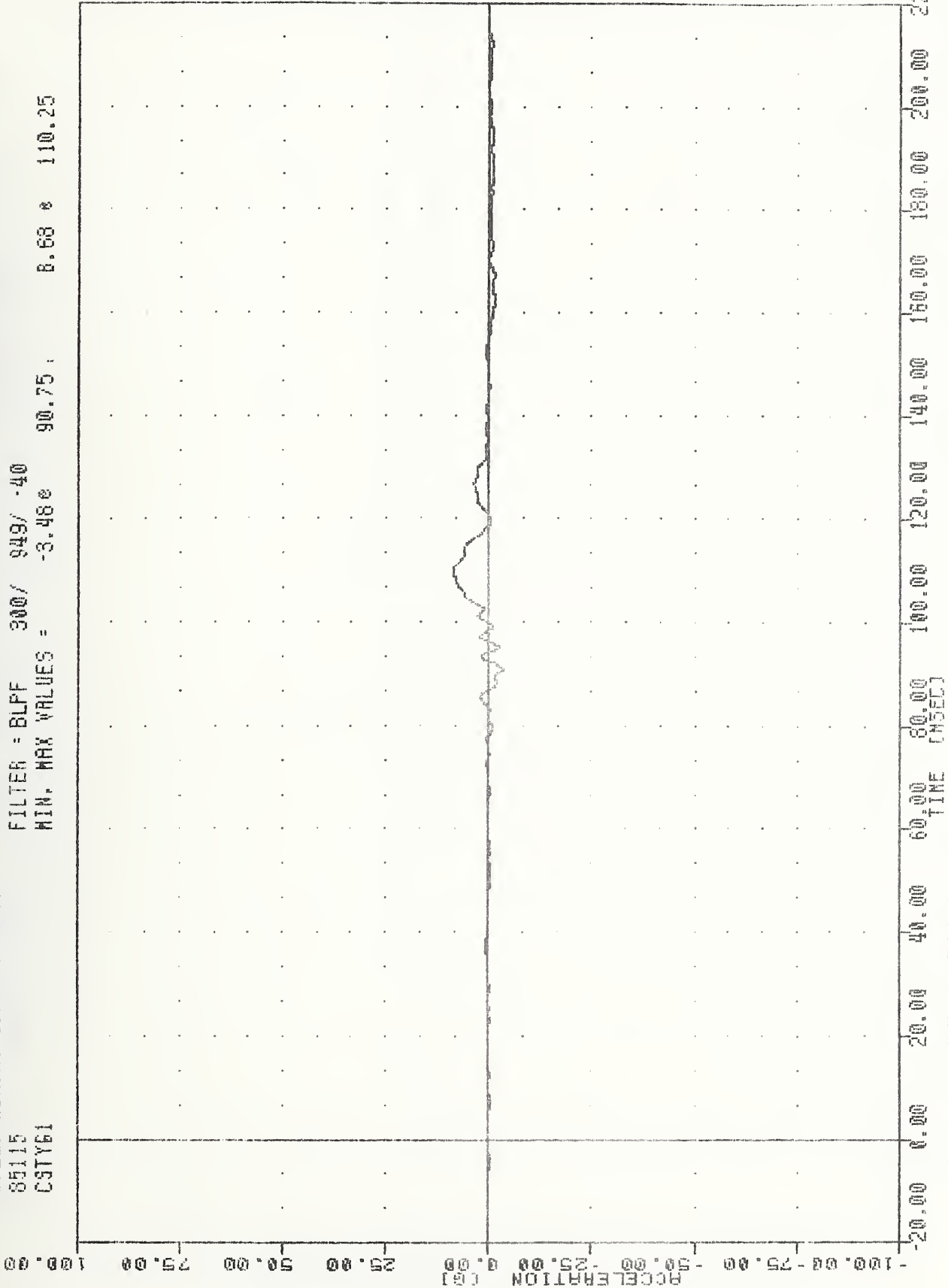
FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -47.93E 220.00, -0.08.e -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING CSTXV1

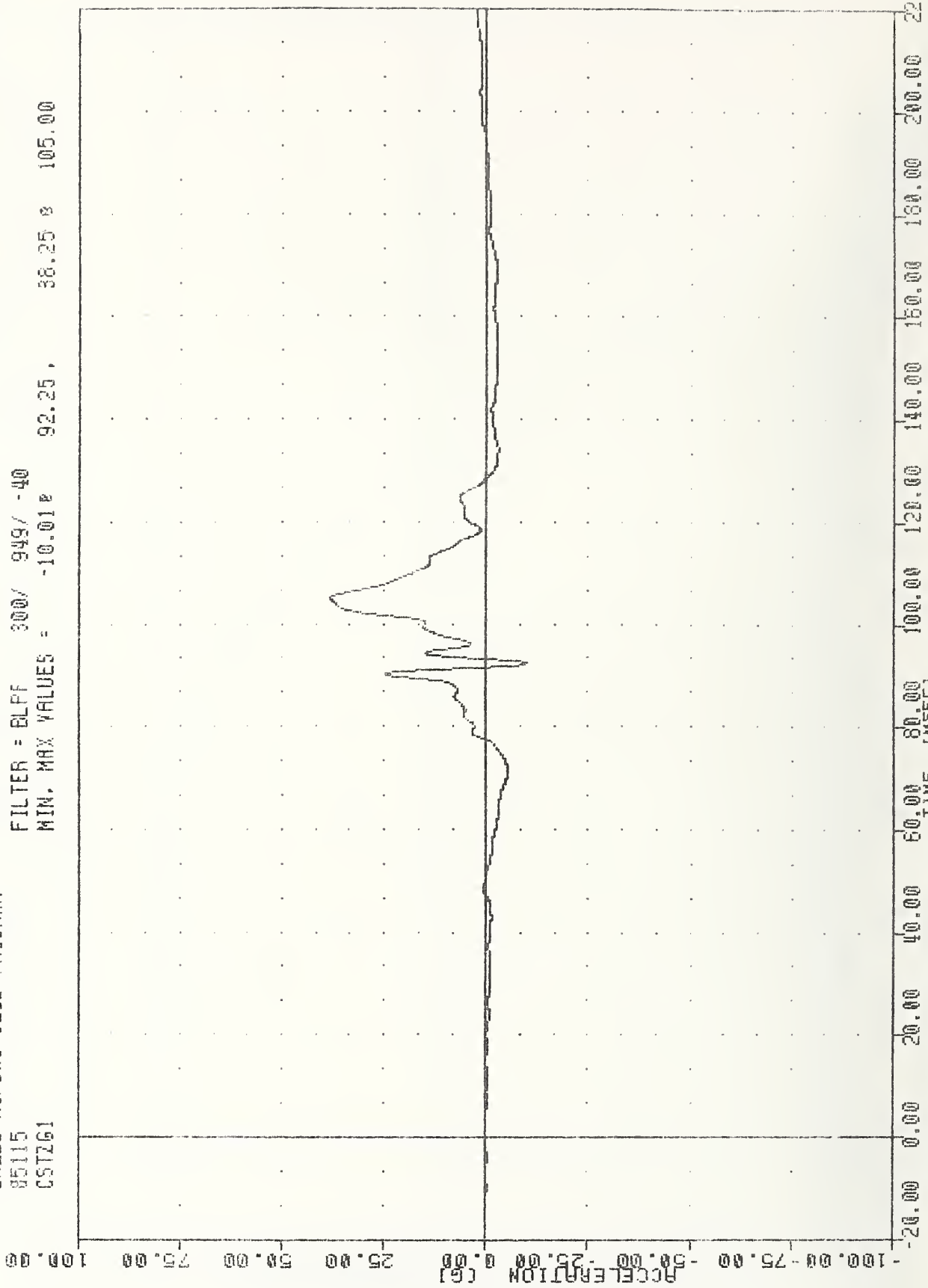
VRTD . RD384-4-20 PLOT DATE 30-APR-85 11:14:34
 BREED AIRBAG SLED PROGRAM
 85115 FILTER = BLFF 300/ 949/ -40
 CSTY61 MIN. MAX VALUES = -3.48e 90.75 ; 8.68 * 110.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

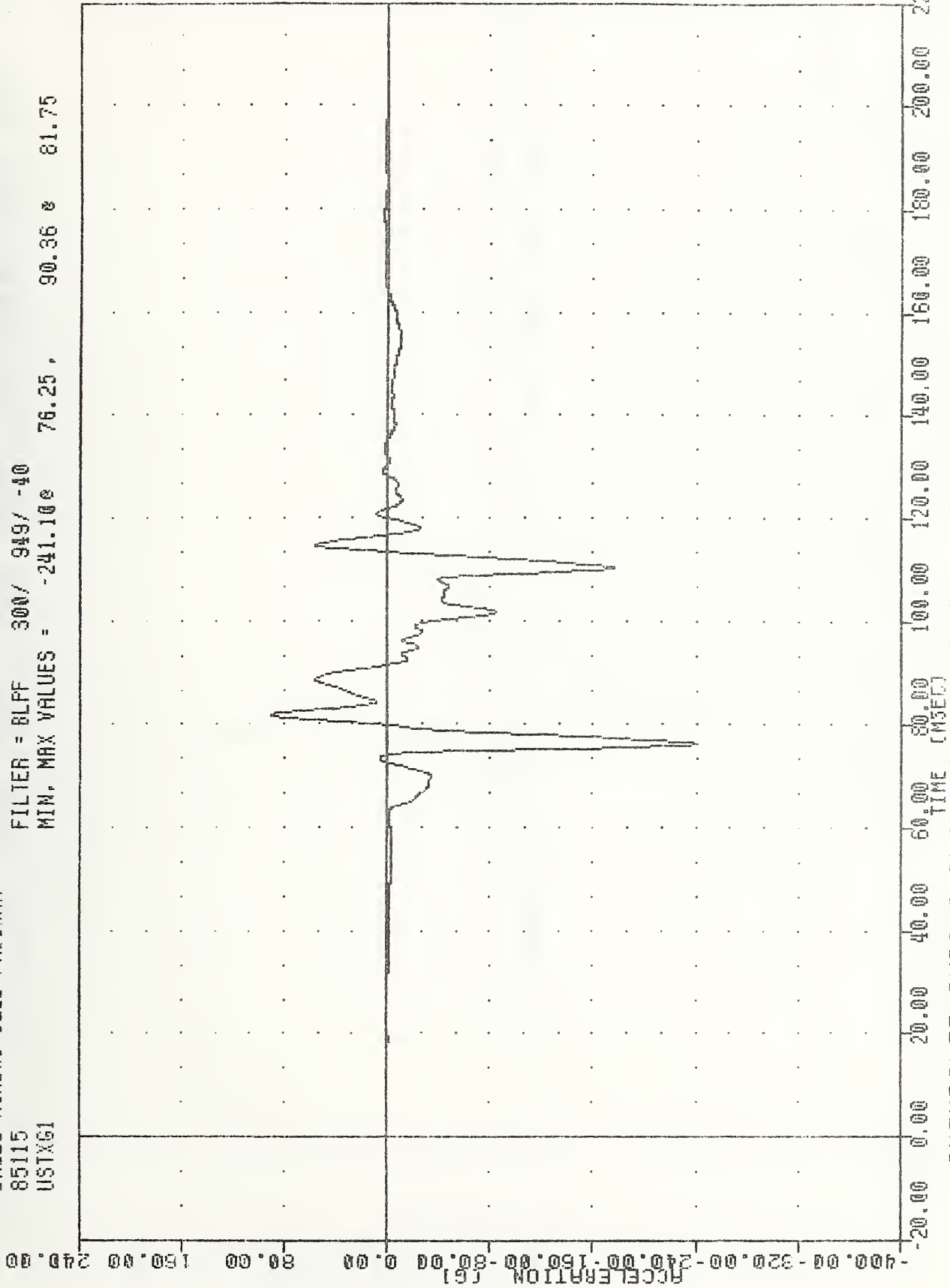
VRIC , R0384-4-00
BHEED AIRBAG SLED PROGRAM
85115
CST261

PLOT DATE 30-APR-85 11:14:34
FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -10.01 92.25 , 38.25 8 105.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMI
DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-20 PLOT DATE 30-APR-65 11:14:34
BREED AIRBAG SLED PROGRAM
85115 FILTER = 8LFF 30N/ 919/ -40
USTX61 MIN. MAX VALUES = -241.10e 76.25 , 90.36 e 81.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

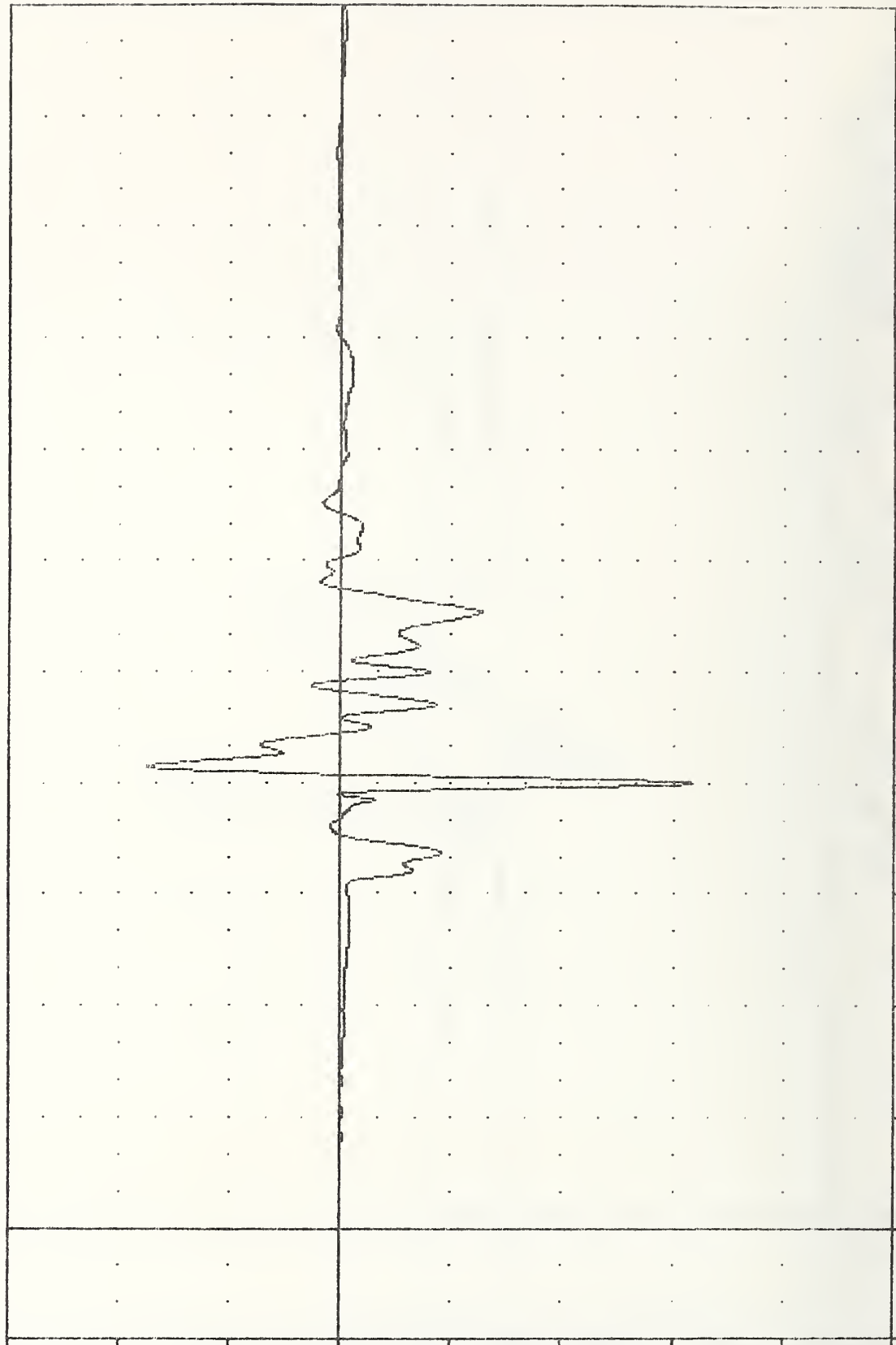
VRTC , RD384-4-20
BREED AIRBAG SLED PROGRAM
85115
LSTX61

PLOT DATE 30-APR-85 11:14:34

FILTER = BLPF 300/ 949/ .40

MIN. MAX VALUES = -254.47g 80.00 , 140.03 g 82.88

ACCELERATION (g)
-400.00 -320.00 -240.00 -160.00 -80.00 0.00 80.00 160.00 240.00 320.00 400.00



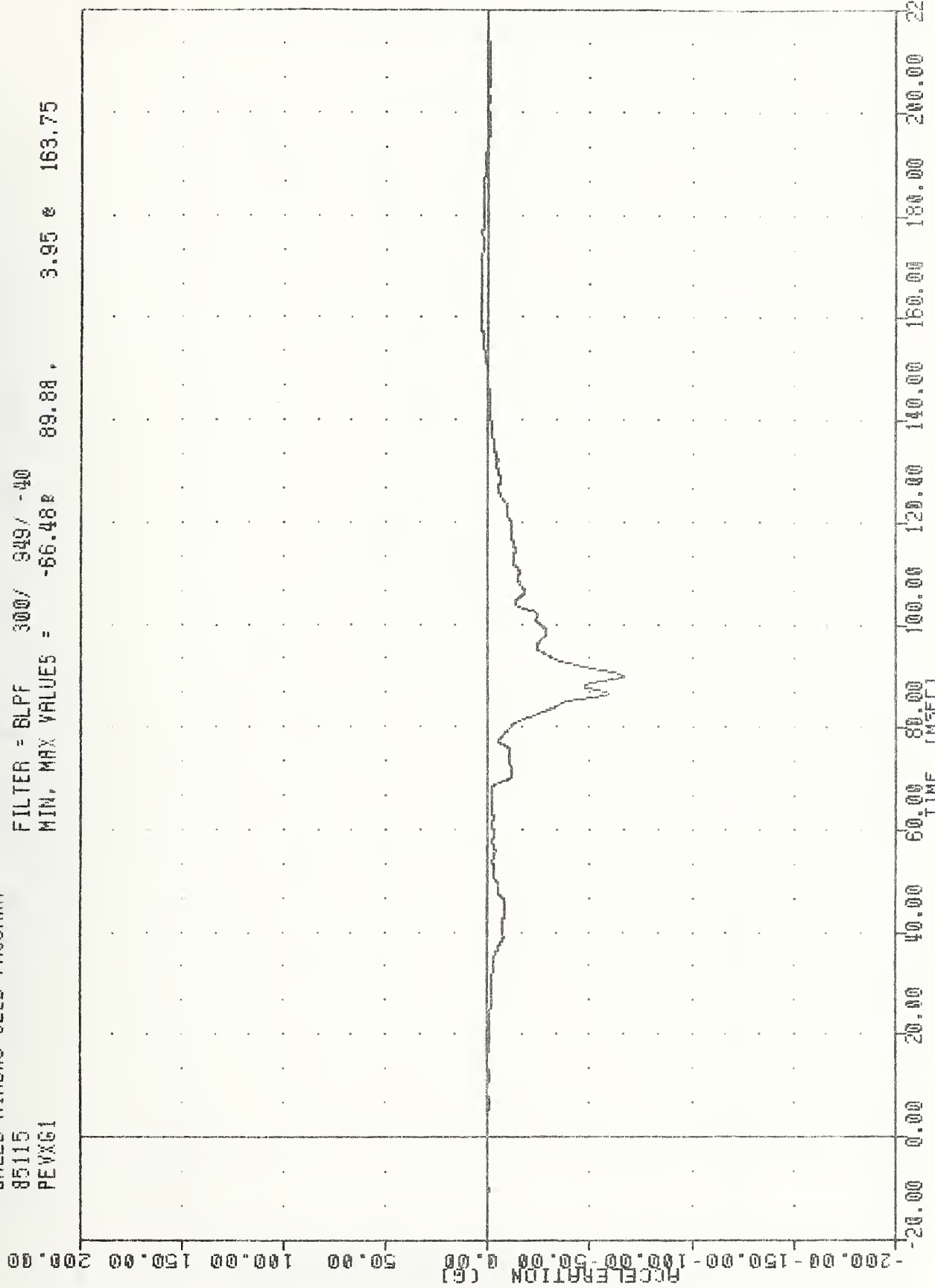
308

TIME (MSEC) 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

VRTC , R0384-4-20
BREED AIRBAG SLED PROGRAM
85115
PEWXG1

PLOT DATE 30-APR-85 11:14:34
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -66.48P 89.88. 3.95 e 163.75

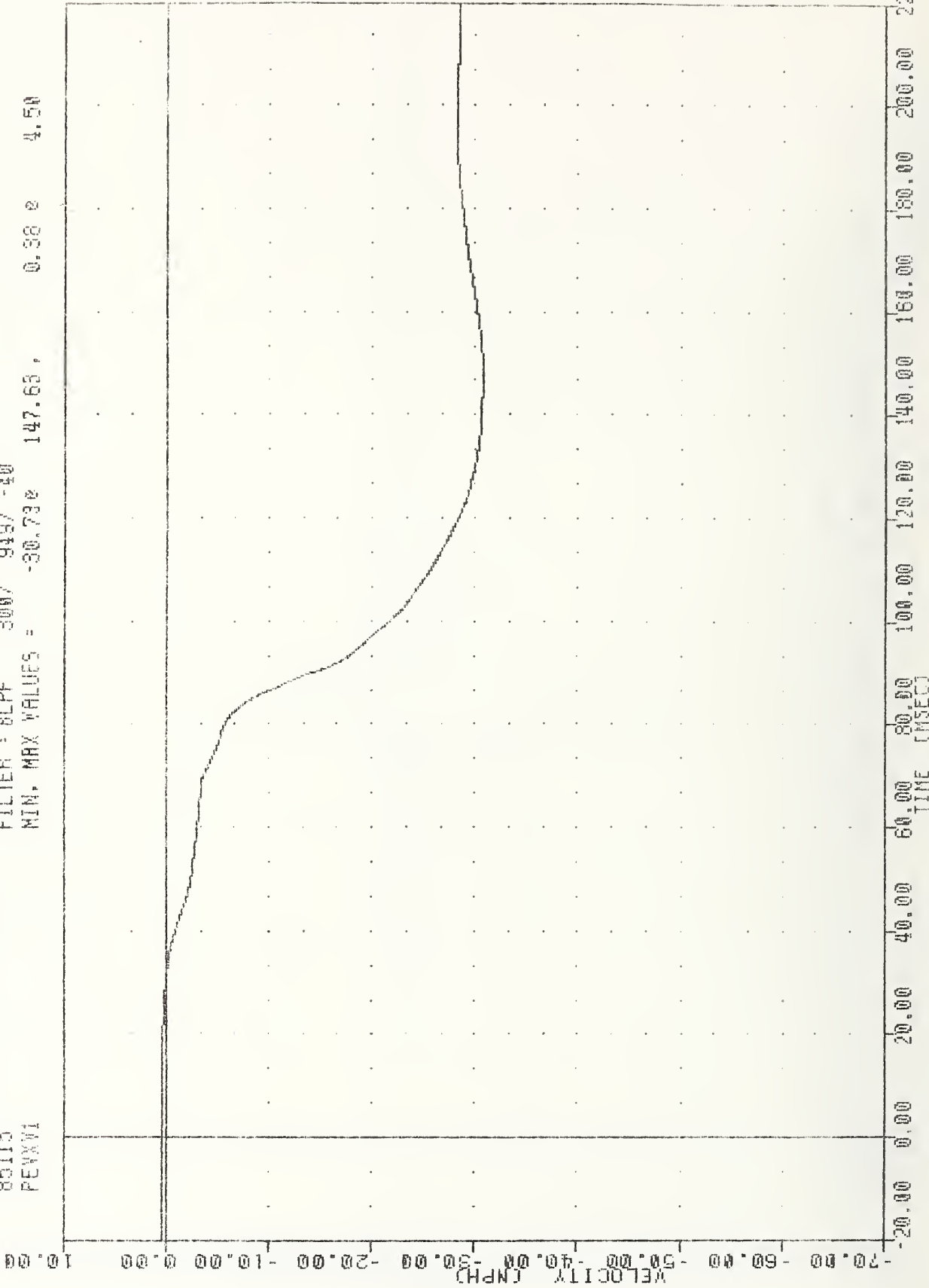


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

WRTC , RD364-4-20
SPEED AIRBAG SLED PROGRAM
85113
PEVXVI

PLDT DATE 30-APR-85 11:10:09

FILTER = 8LPF 300/ 949/ -40
MIN. MAX VALUES = -30.73e 147.65 , 0.58 e 4.50

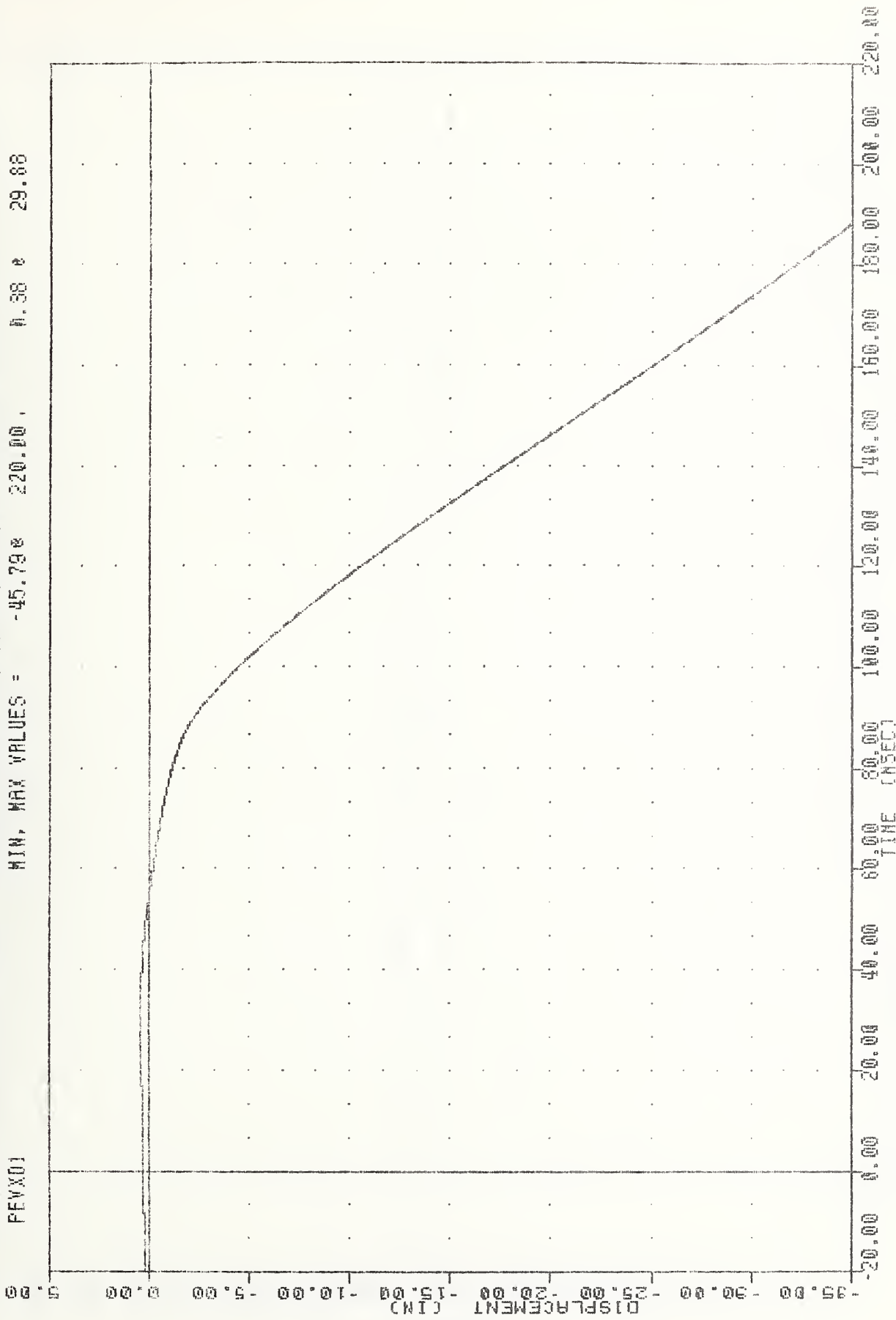


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA VELOCITY PEVXVI

VRIC , R0384-4-20
BRECO AIRBAG SLED PROGRAM
85115
PEVX01

PLOT DATE 80 APR 85 11:18:03

FILTER = BLFF 500/ 949/ -40
MIN, MAX VALUES = -45.79e 220.00 , 0.38 e 29.88

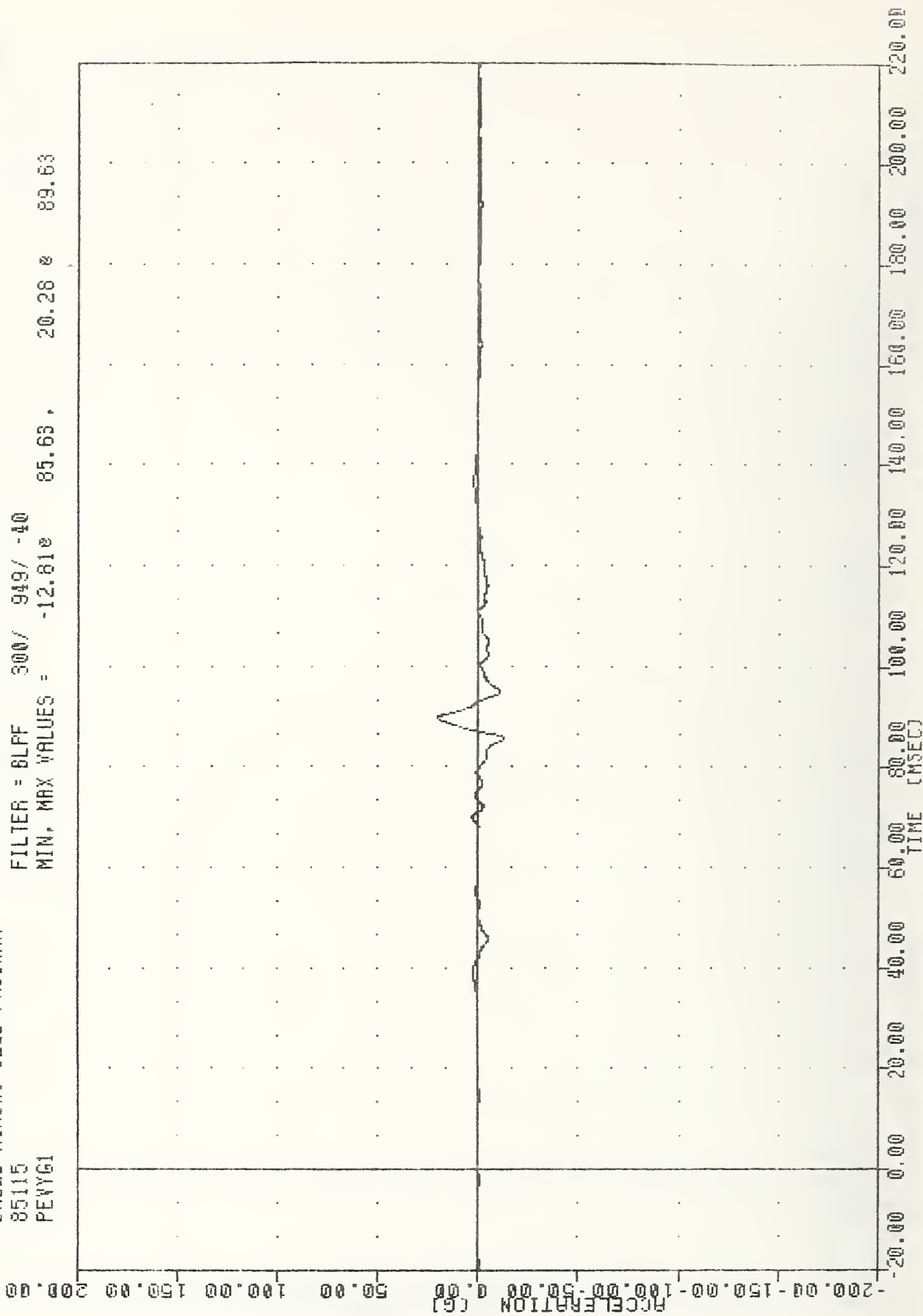


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA Y USING PEVXVI

VRTC , RD334-4-20
BREED AIRBAG SLED PROGRAM
85115
PEVYG1

PLOT DATE 30-APR-85 11:14:34

FILTER = 6LFF 300/ 949/ -40
MIN. MAX VALUES = -12.81e 85.63, 20.28 e 89.63



312

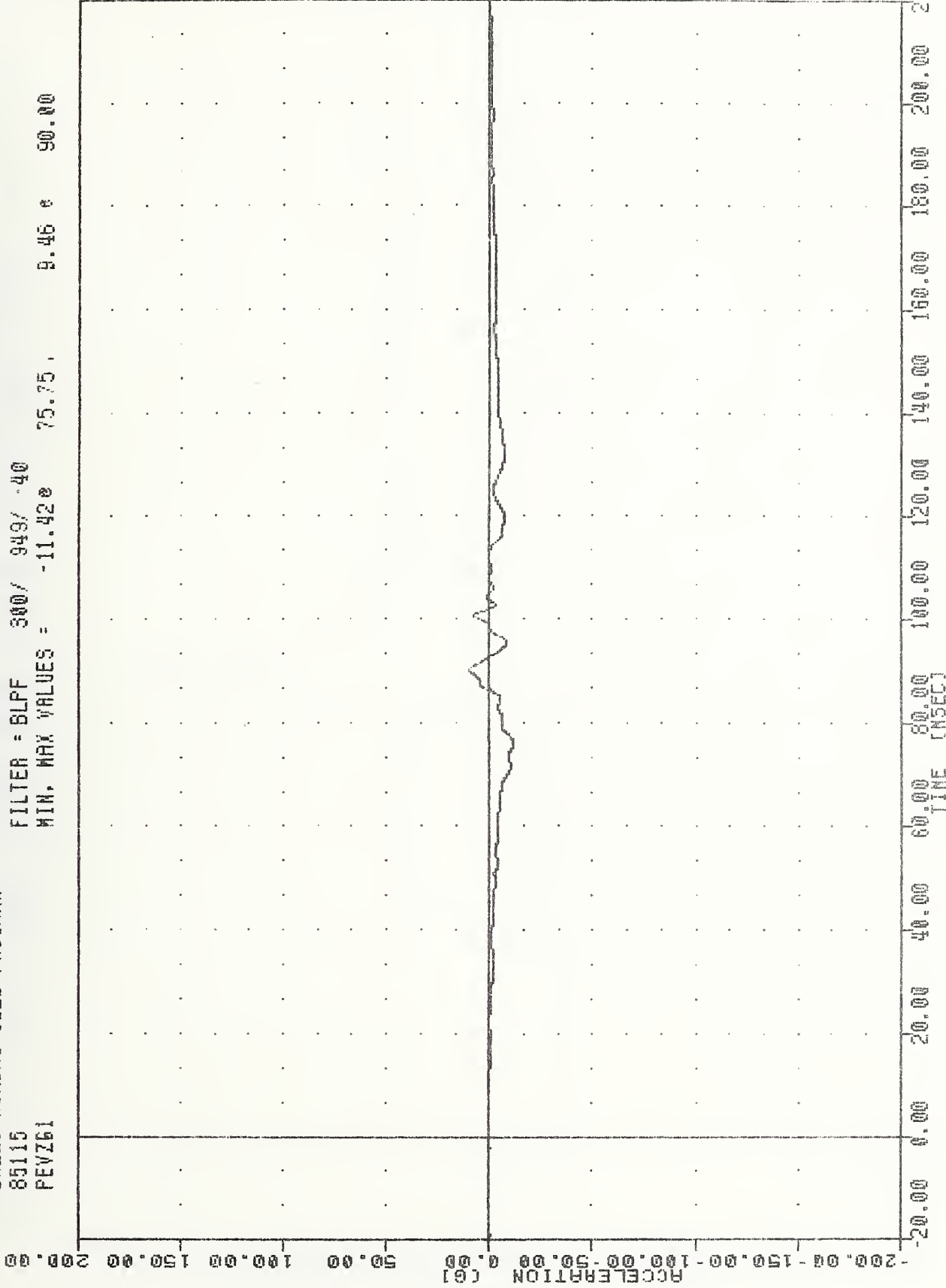
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

WATC , R0384-4-20
BREED AIRBAG SLED PROGRAM
85115
PEVZ61

PLAT DATE 30-APR-85 11:14:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -11.42e 75.75 , 9.46 e 90.00



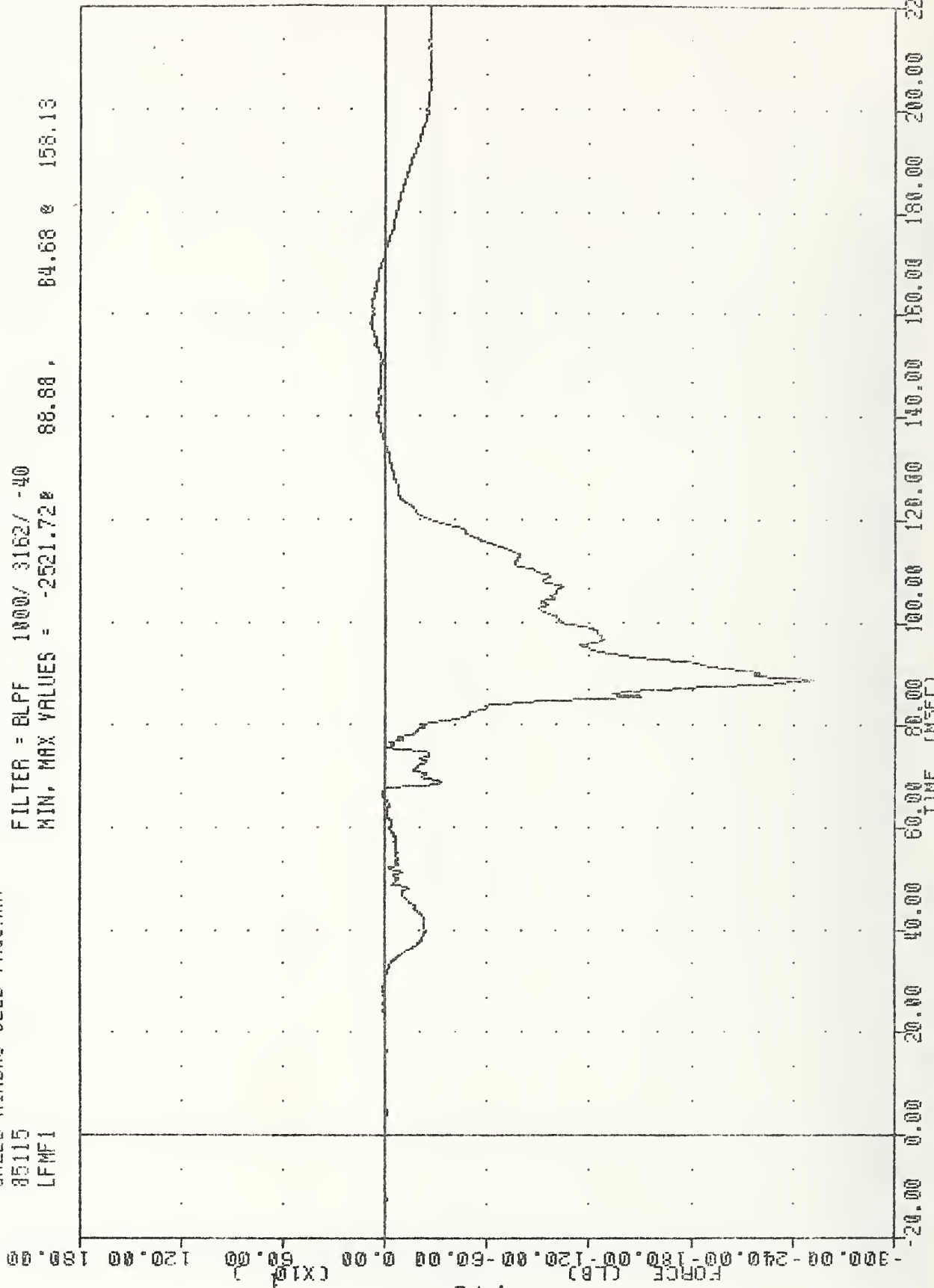
313

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

VRTC , R0384-4-20
SLED AIRBAG SLED PROGRAM
35115
LFMF1

PLOT DATE 30-APR-85 11:14:34

FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -2521.72# 88.88 , 84.68 # 158.13



314

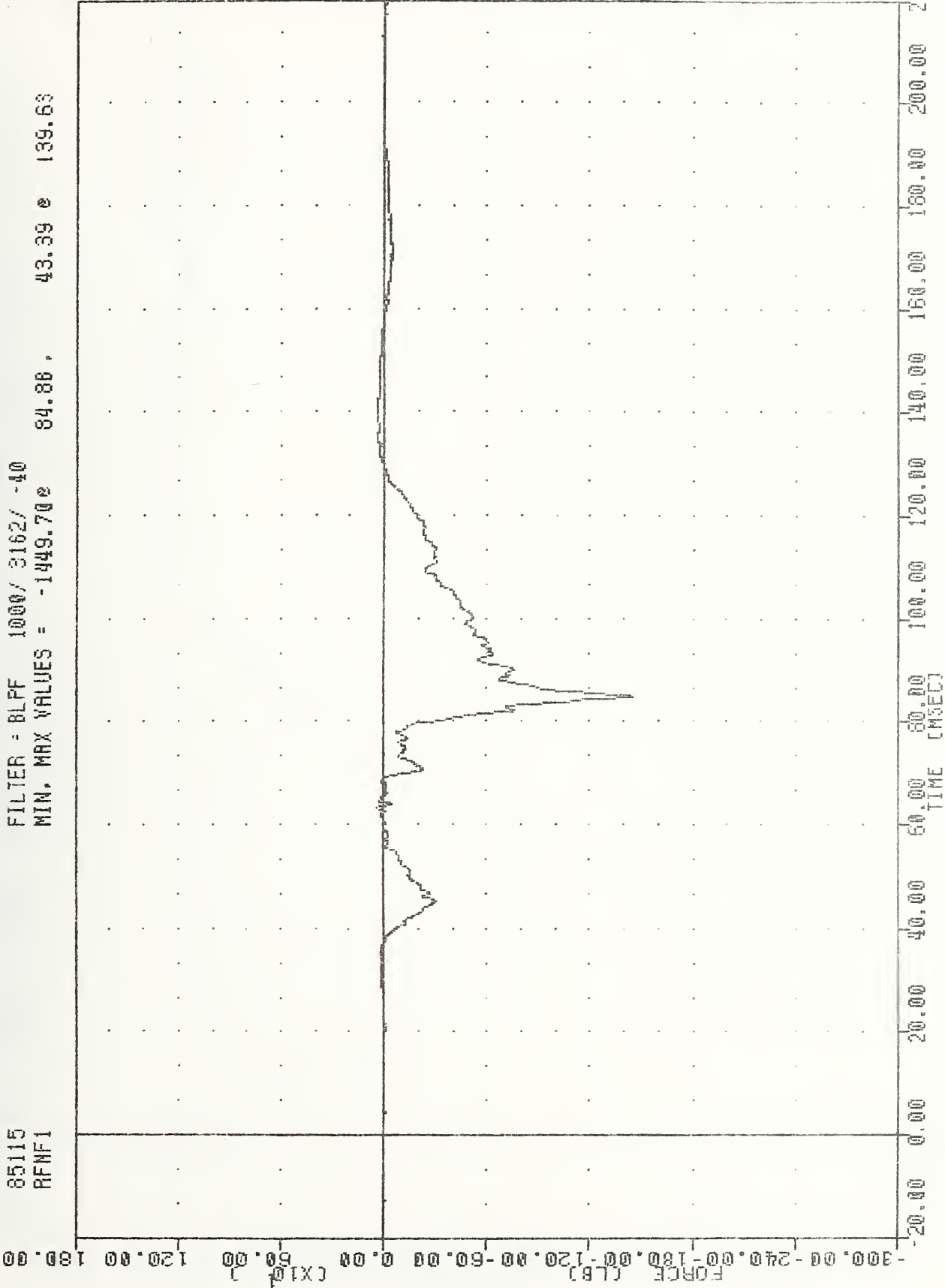
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
FORCE (LBS)
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-20
GREED AIRBAG SLED PROGRAM
85115
RFNF1

PLOT DATE 30-APR-85 11:14:34

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -1449.70e 84.86 , 43.39 e 139.63



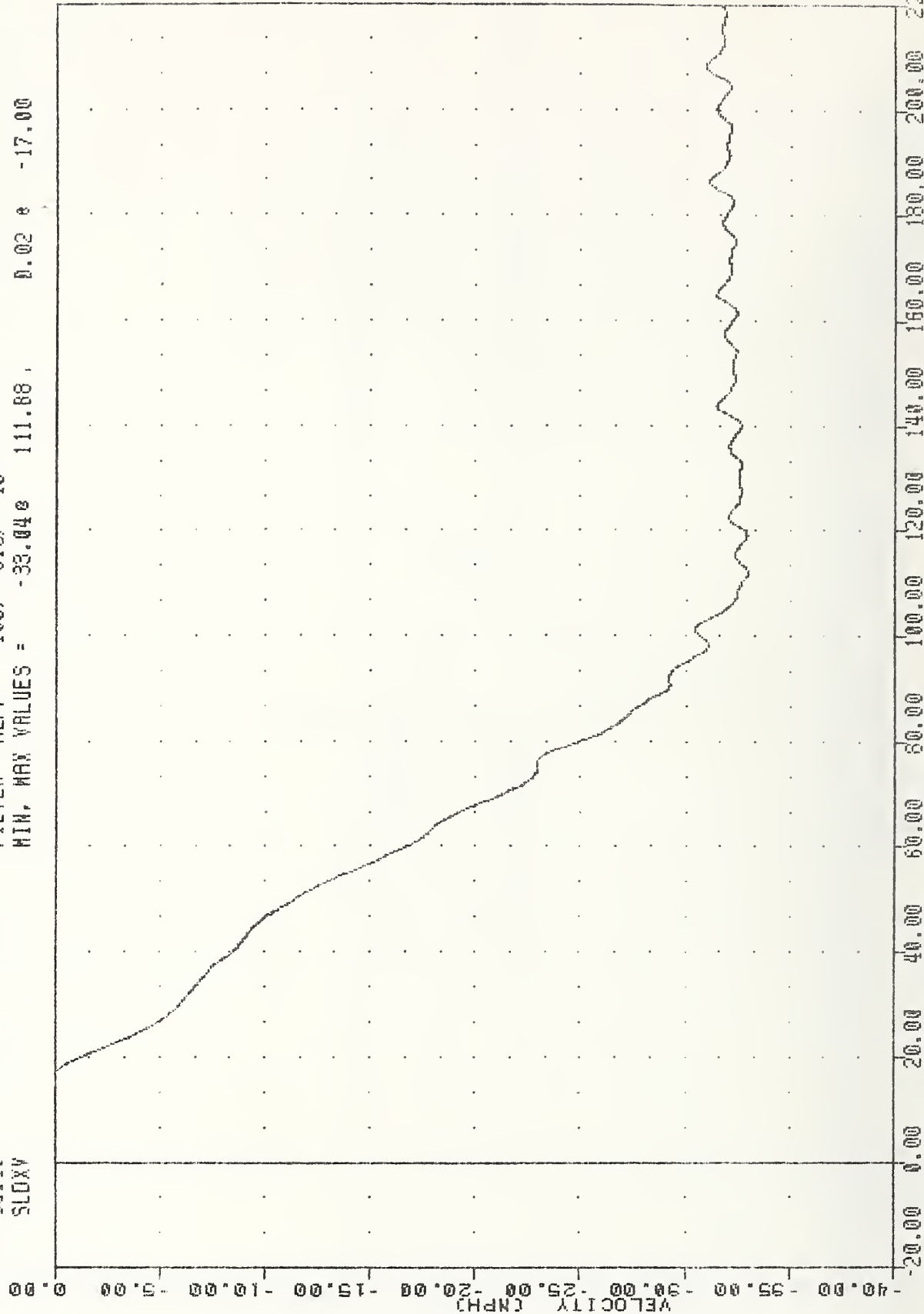
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT FEMUR FORCE

WRTC , R0384-4-20
BREED AIRBAG SLED PROGRAM
85115
SLOXY

PLOT DATE 30-APR-85 11:14:34

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -33.04 111.88 , 0.02 e -17.00



316

VELOCITY (MPH)

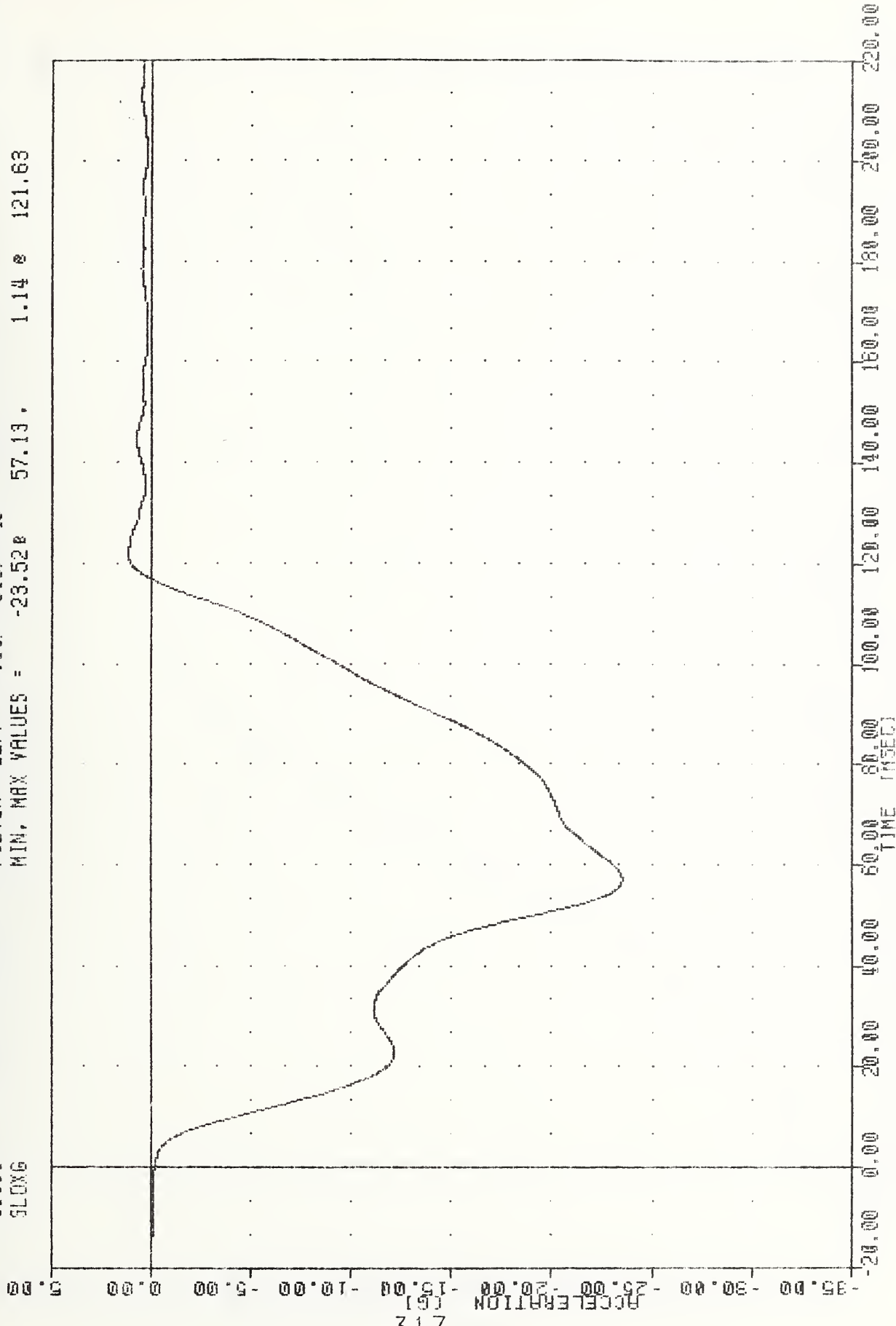
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED VELOCITY (CHRYSLER)

VRTC RD384-4-20
BREED AIRBAG SLED PROGRAM
85115
SLOXG

PLOT DATE 30-APR-85 11:14:34

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -23.52e 57.13, 1.14 e 121.63

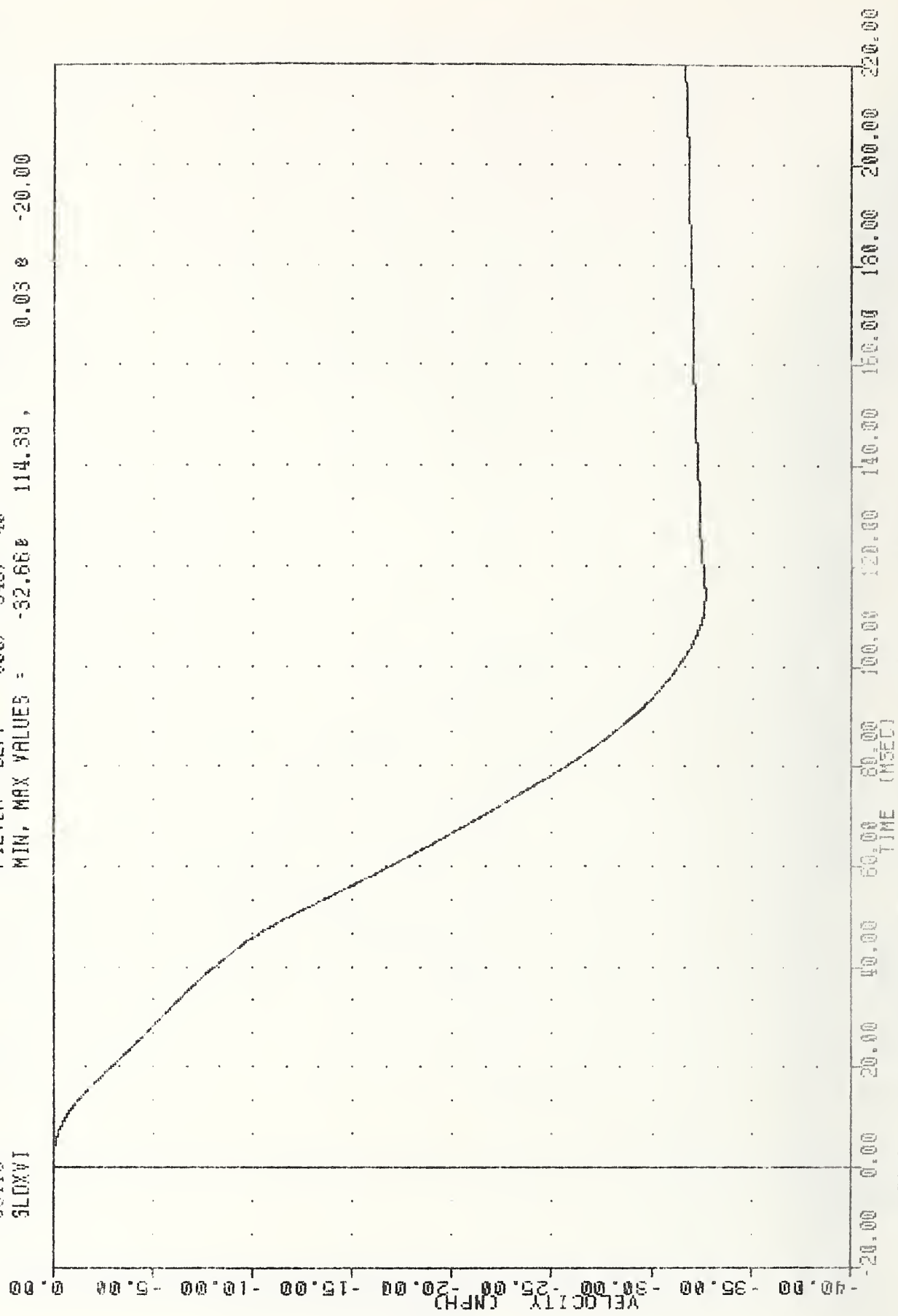


317

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED ACCELERATION

VRIC , R0364-4-20
SPEED AIRBAG SLED PROGRAM
85115
SLODXTI

PLDT DATE 30-APR-85 11:18:09
FILTER = BLFF 300/ 949/ -40
MIN, MAX VALUES = -32.66E 114.38 , 0.03 E -20.00



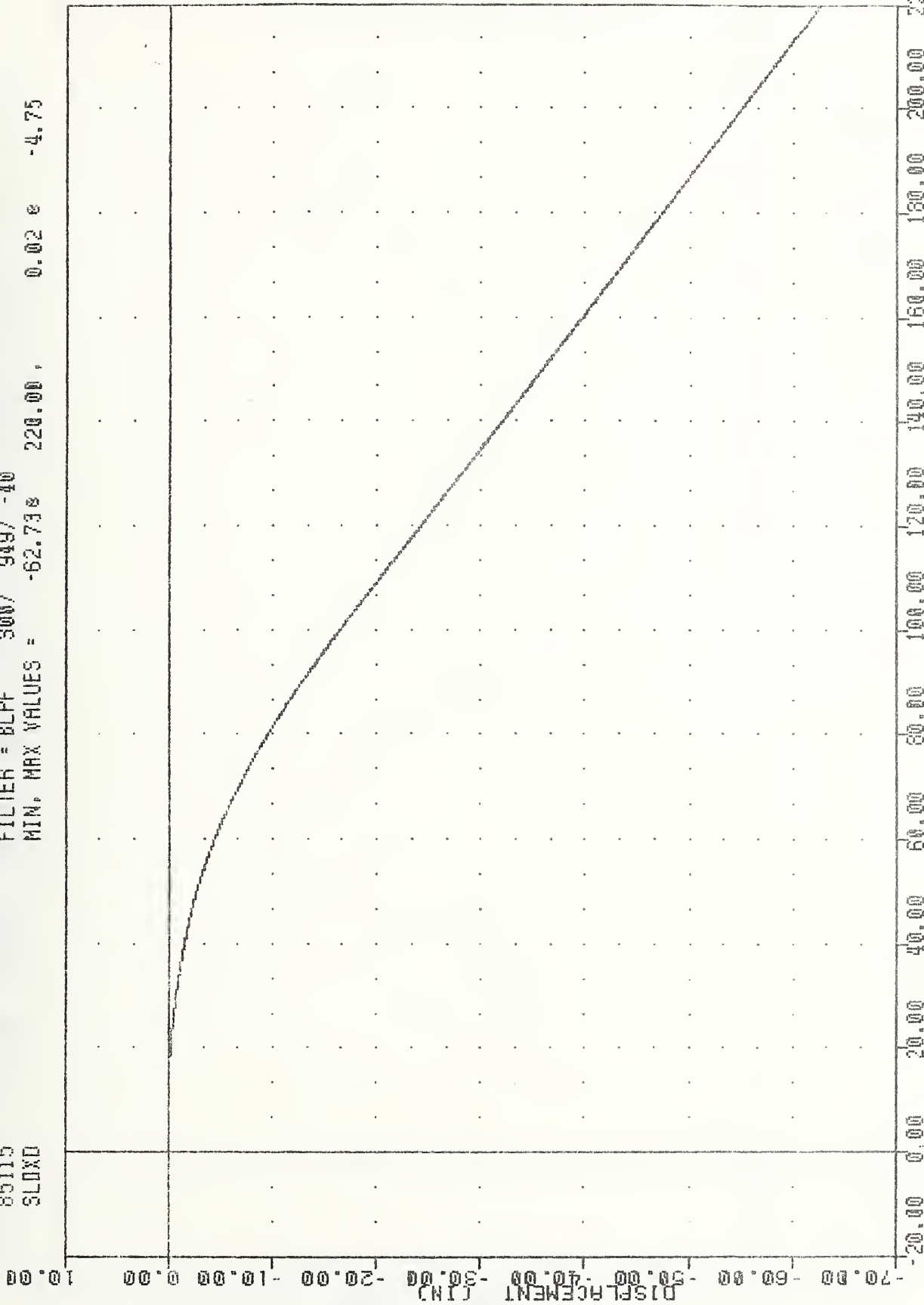
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
SLED VELOCITY CENTERLINE

V81C , RD384-4-20
BREED AIRBAG SLED PROGRAM
85115
SLOXD

PLOT DATE 30-APR-85 11:18:09

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -62.73s 220.00 , 0.02 e -4.75



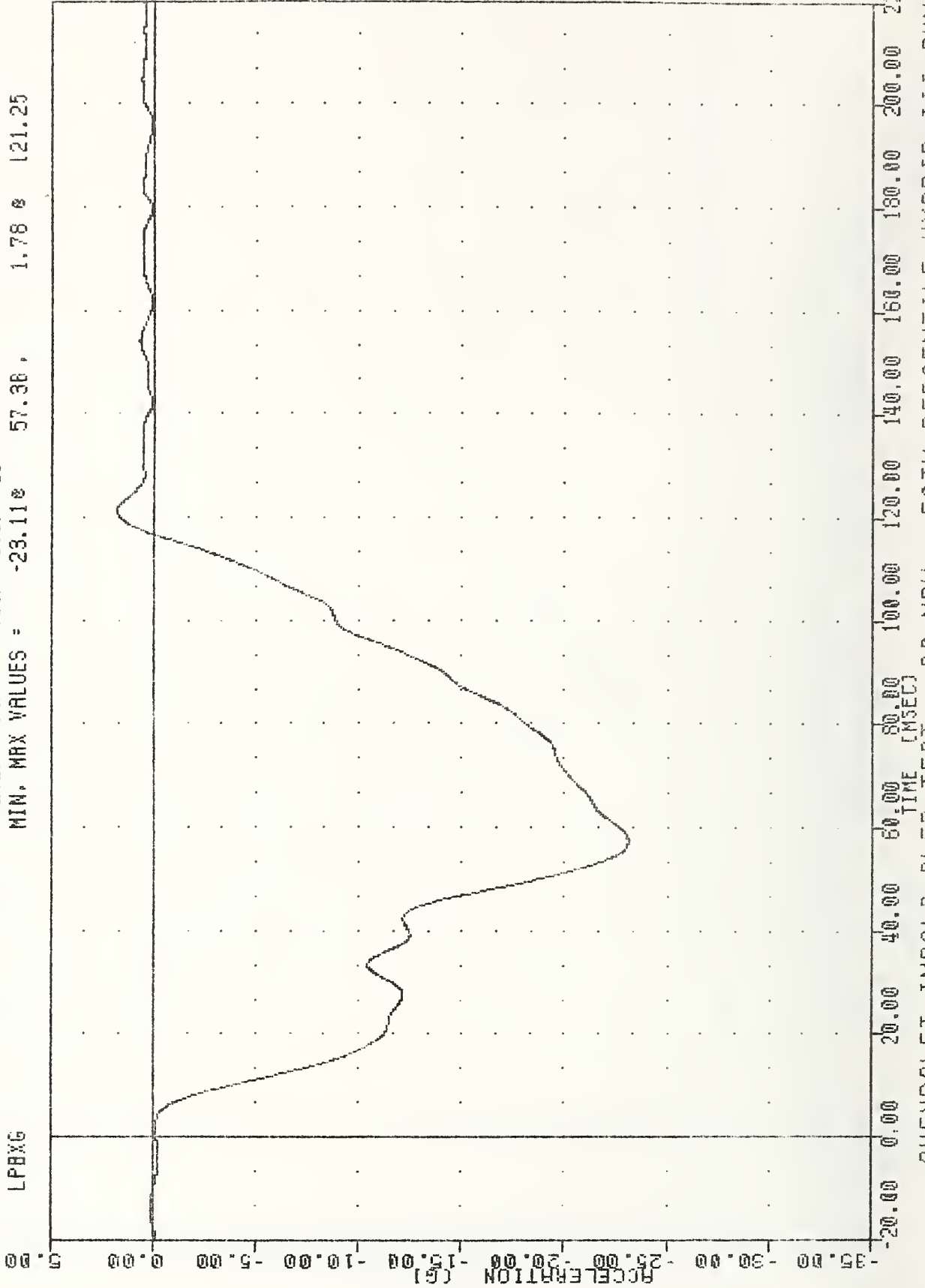
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING SLDXVI

VRTC , RD384-4-20
BRED AIRBAG SLED PROGRAM
85115
LPBXG

PLOT DATE 30-APR-85 11:14:34

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -23.11e 57.36, 1.78 e 121.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION X AXIS

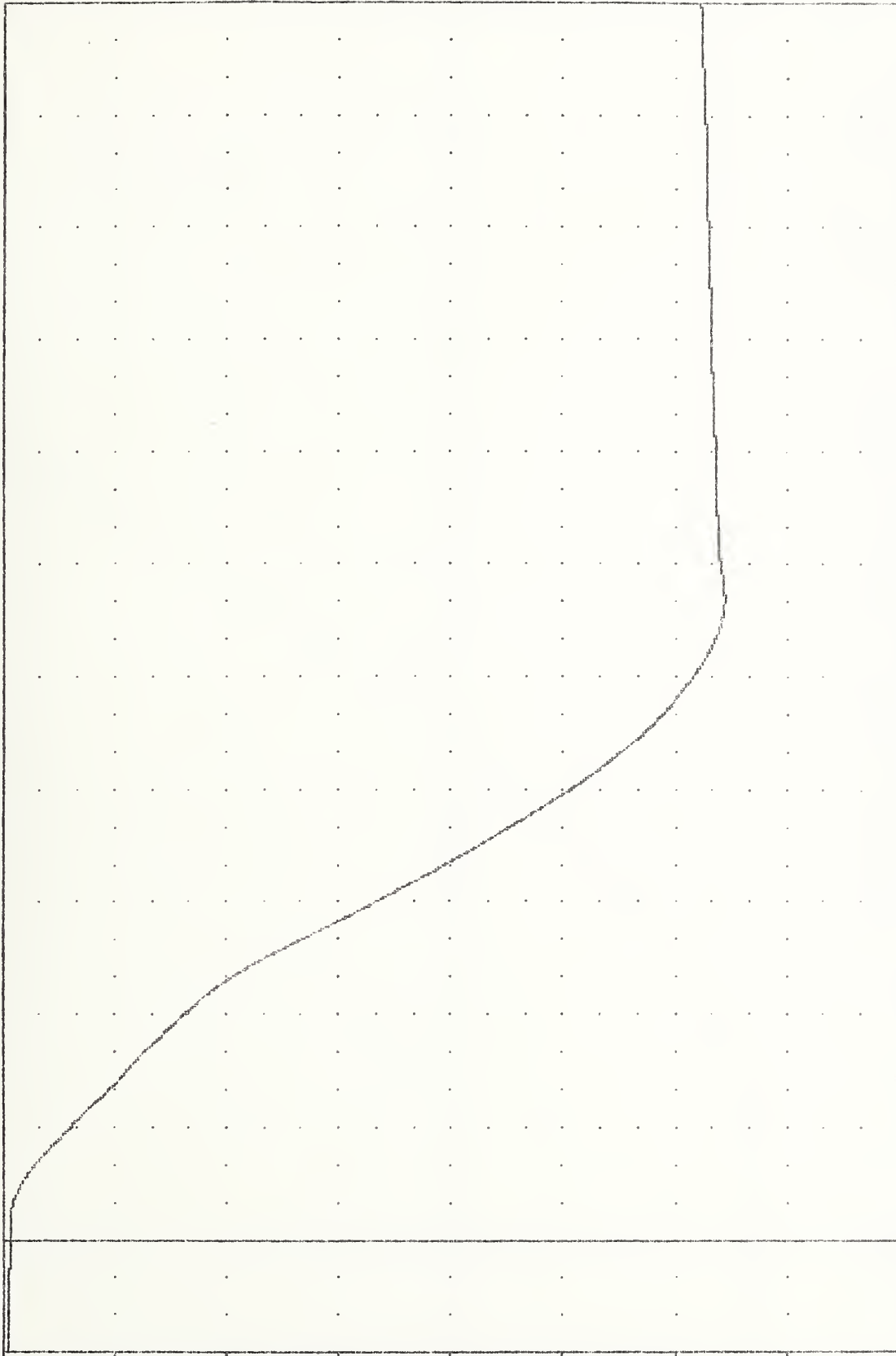
WATC : RD384-4-20
BREED AIRBAG SLED PROGRAM
85115
LPBXF

PLOT DATE 30-APR-85 11:18:08

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -32.23e 113.63 , -0.27 e -13.00

321
VELOCITY (MPH)



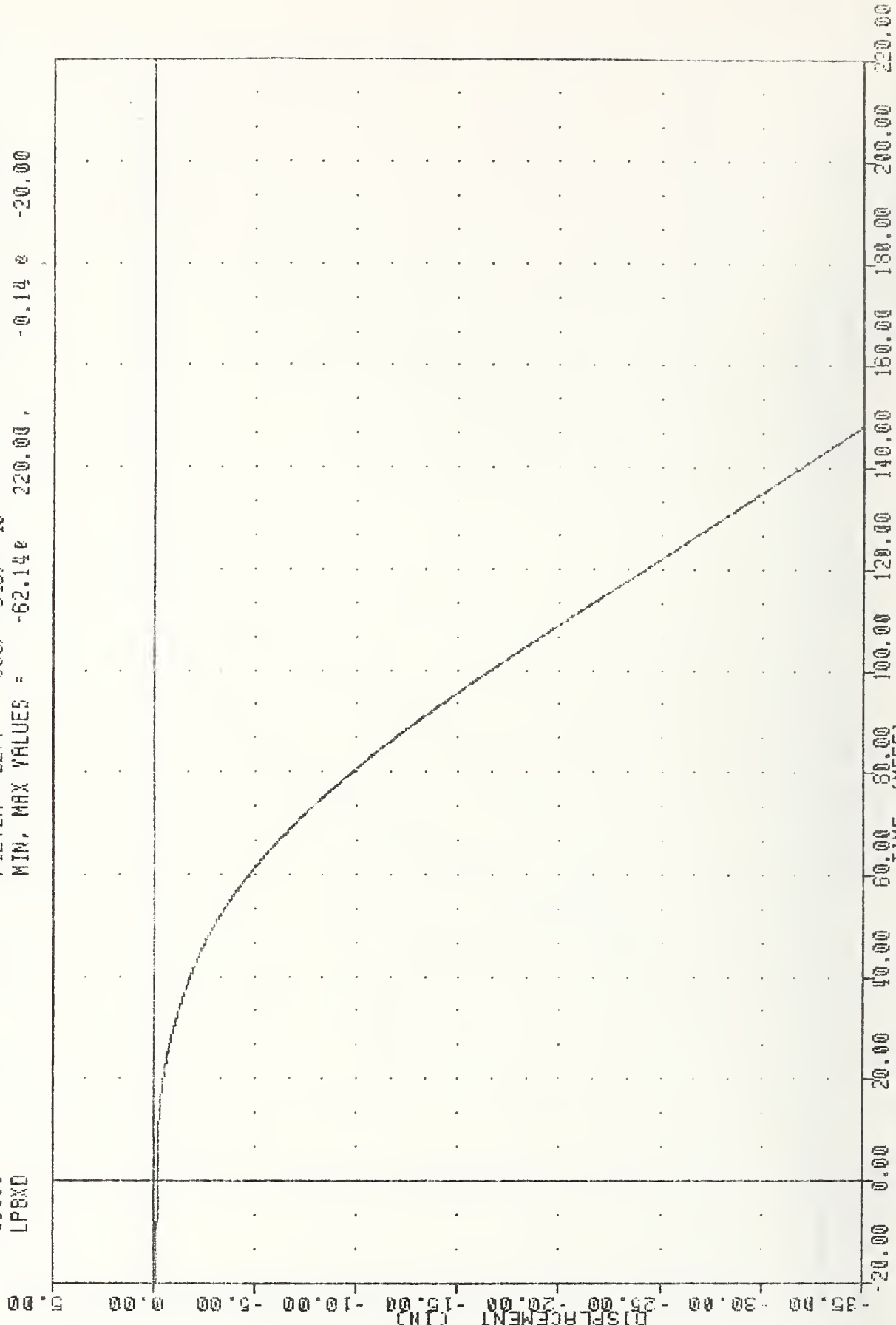
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA V USING LPBXG

NRTC , 80584-4-20
BREED AIRBAG SLED PROGRAM
85115
LP8XD

PLOT DATE 30-APR-85 11:18:09

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -62.14e 220.00 , -0.14 e -20.00



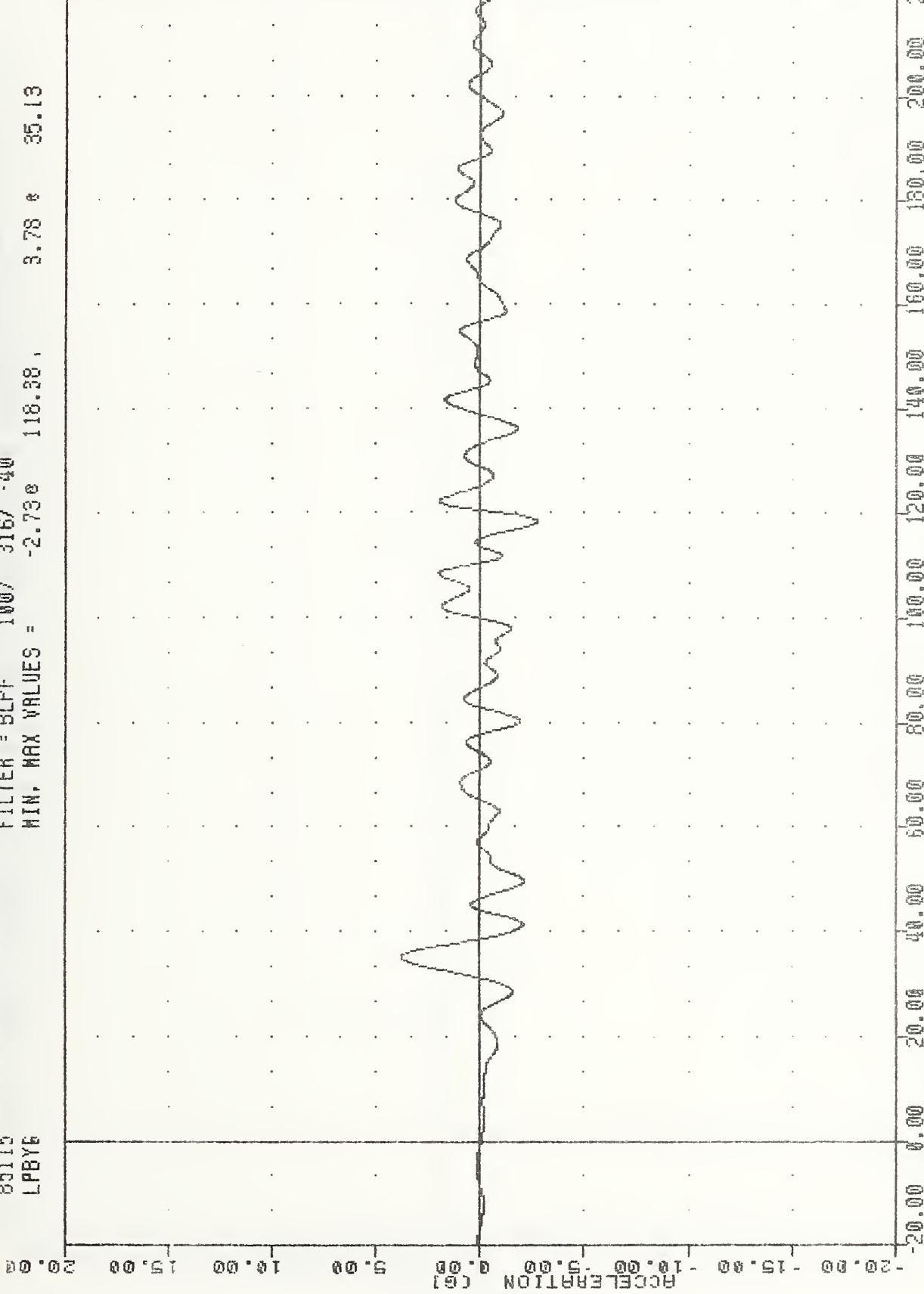
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DELTA X USING LP8XD

VATC , AD584-4-20
BREED AIRBAG SLED PROGRAM
85115
LPBY6

PLUT DATE 80-APR-85 11:14:34

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -2.73e 118.38 , 3.78 e 35.13



323

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

NR7C , R0384-4-20
BREED AIRBAG SLED PROGRAM
85115
LPBZG

PLOT DATE 30-APR-85 11:14:34

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.79e 111.50. 3.91 e 26.63

20.00

15.00

10.00

5.00

0.00

-5.00

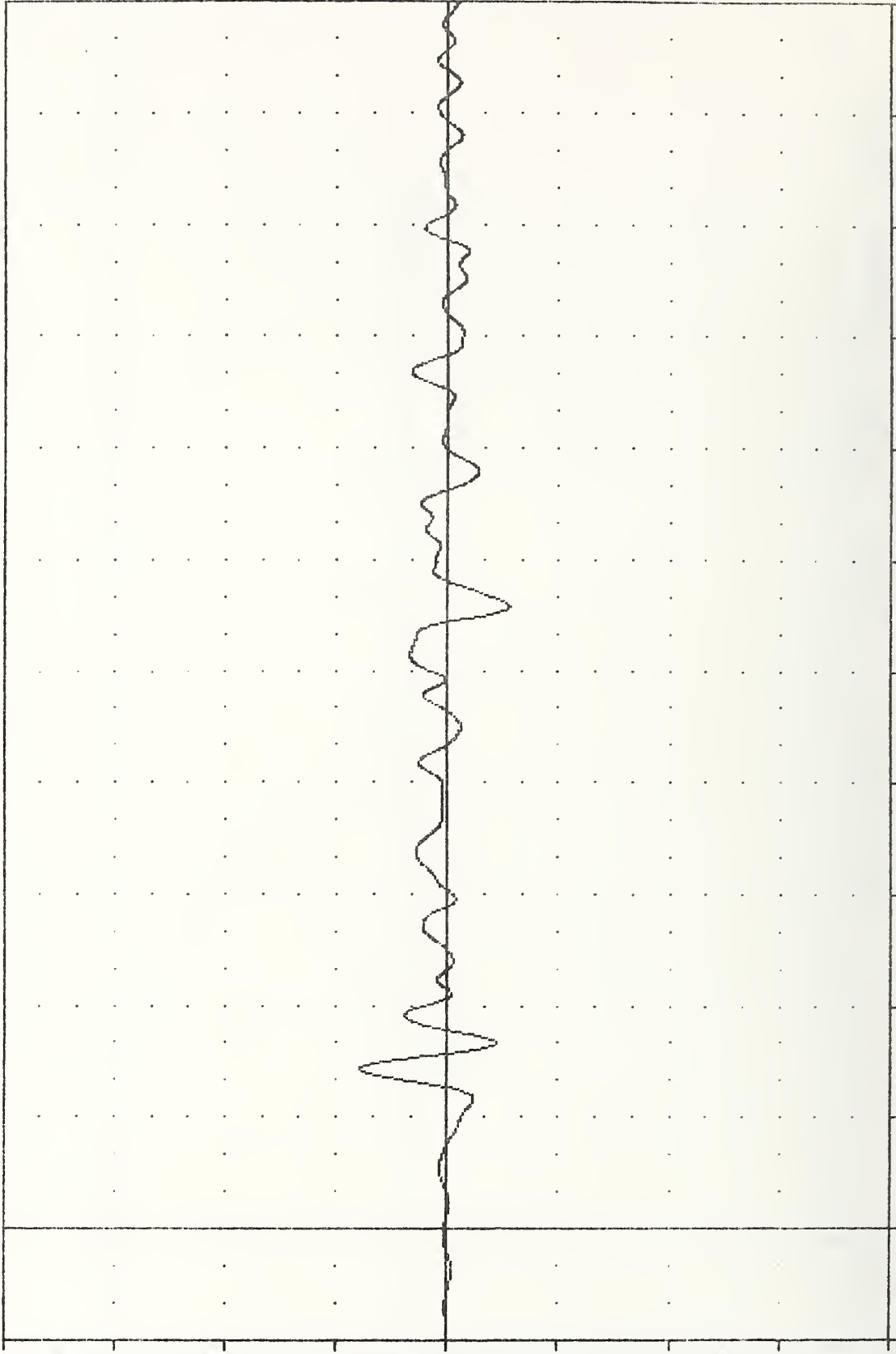
-10.00

-15.00

-20.00

ACCELERATION (G)

324



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 150.00 180.00 200.00 220.00

TIME (MSEC)

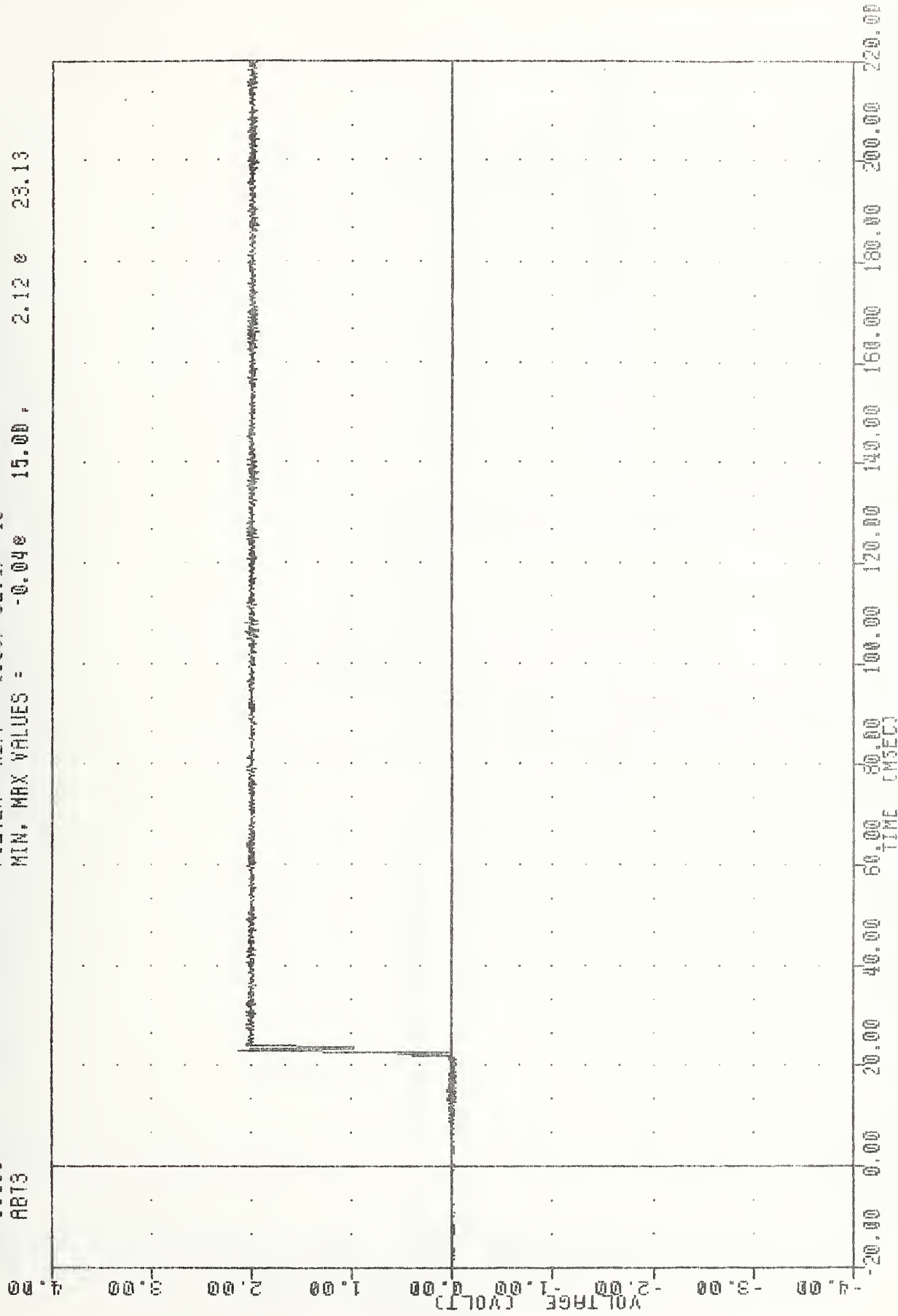
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , FD384-4-20
BREED AIRBAG SLED PROGRAM
85115
ABT3

PLOT DATE 30-APR-85 11:14:34

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.04e 15.00 , 2.12 e 23.13



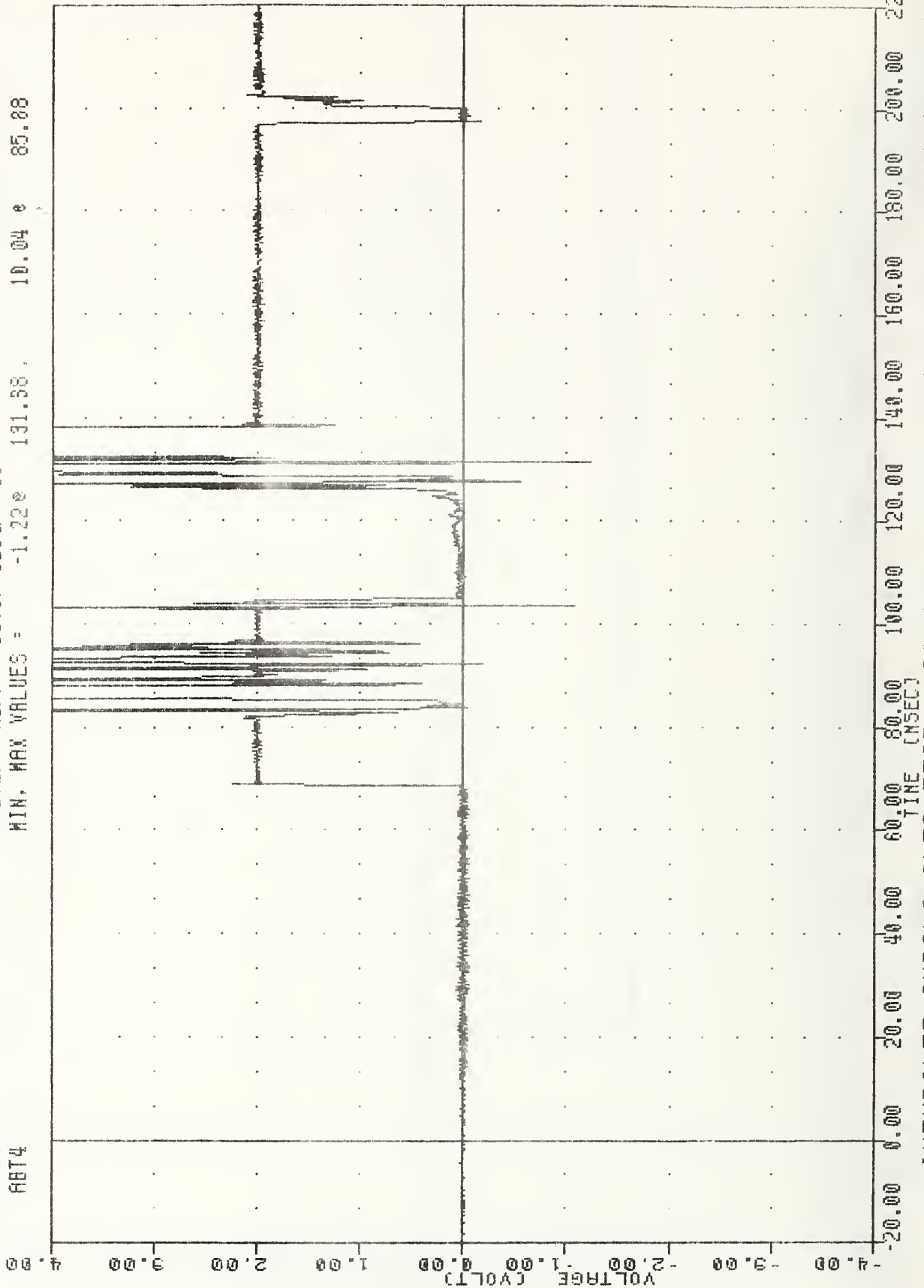
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
BREED 6-PILLAR SENSOR

VATC , R0384-4-20
BRED AIRBAG SLED PROGRAM
85115
ABT4

PLOT DATE 30-APR-85 11:14:34

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -1.22e 10.04 e 85.88

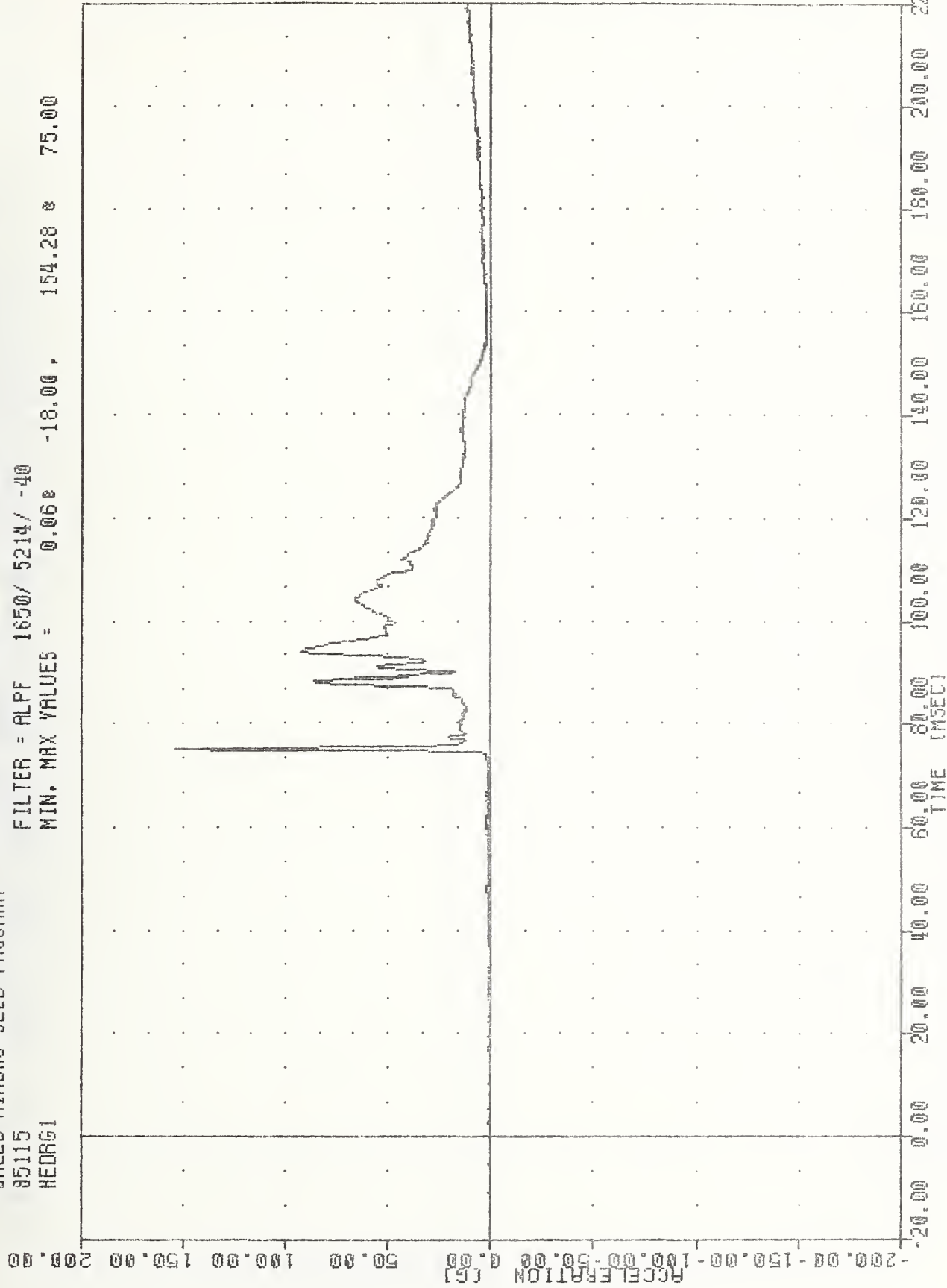


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
KNEE CONTACT

VRTC , RD384-4-20
BREED AIRBAG SLED PROGRAM
85115
HEADG1

PLOT DATE 30-APR-85 12:20:02

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.06g -18.00g 154.28g 75.00g



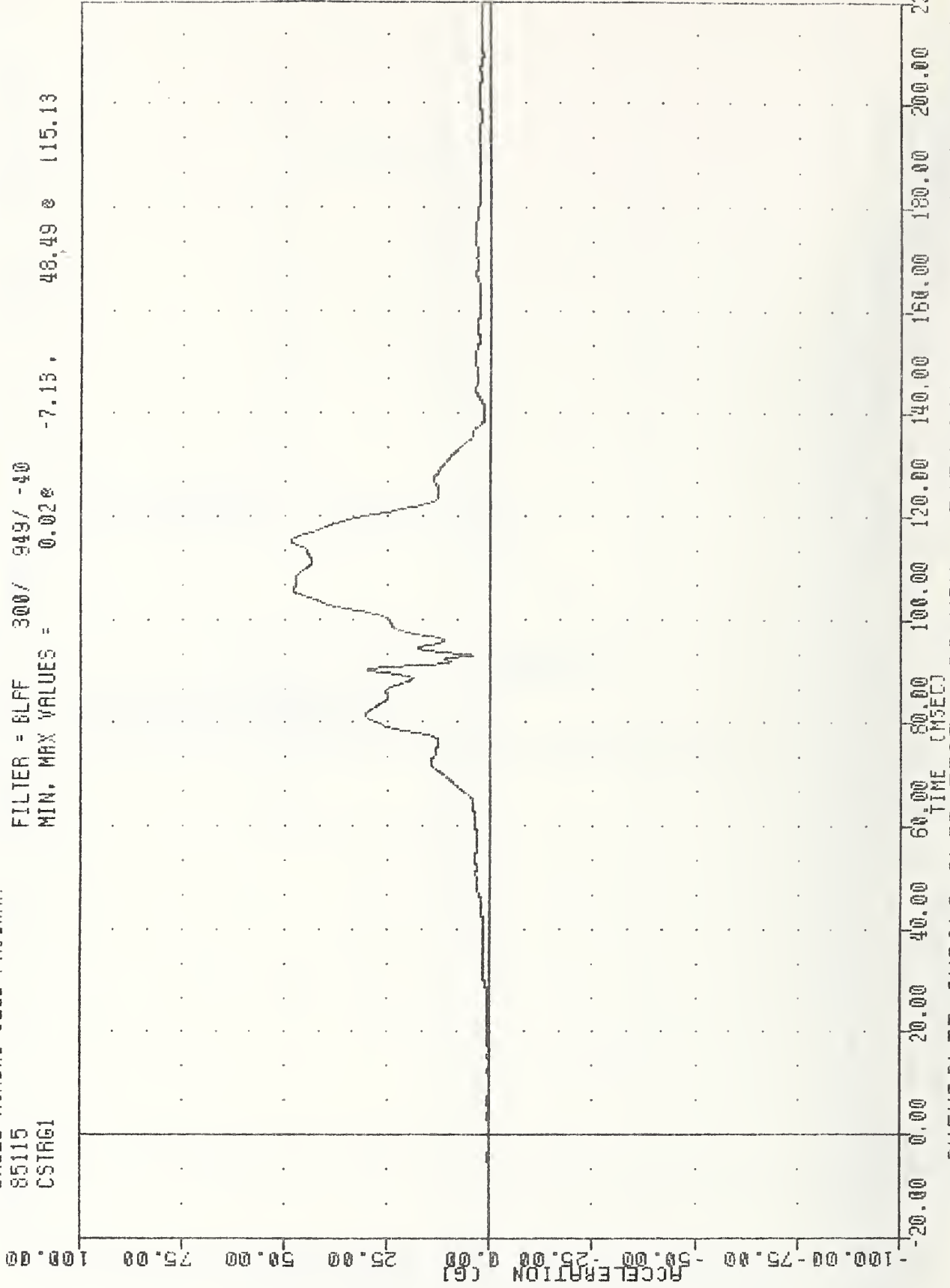
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD RESULTANT

VRIC , RD384-4-20
BRED AIRBAG SLED PROGRAM
85115
CSTRG1

PLOT DATE 30-APR-85 12:20:02

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = 0.02e -7.15 , 48.49 e 115.13



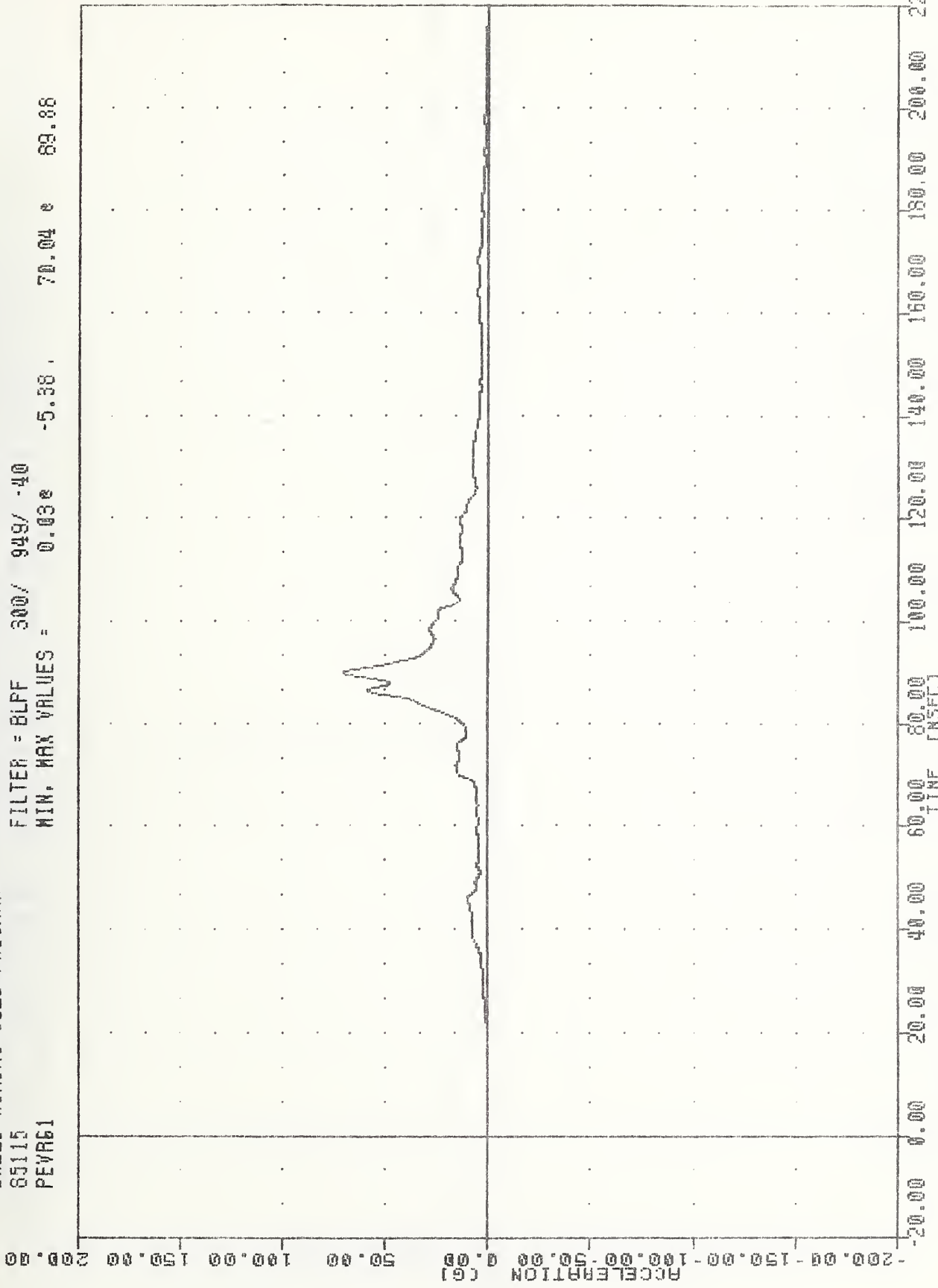
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST RESULTANT

WRTC RD384-4-20
BREED AIRBAG SLED PROGRAM
85115
PEVR61

PLOT DATE 30-APR-85 12:20:02

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.03e -5.38 , 70.04 e 89.86

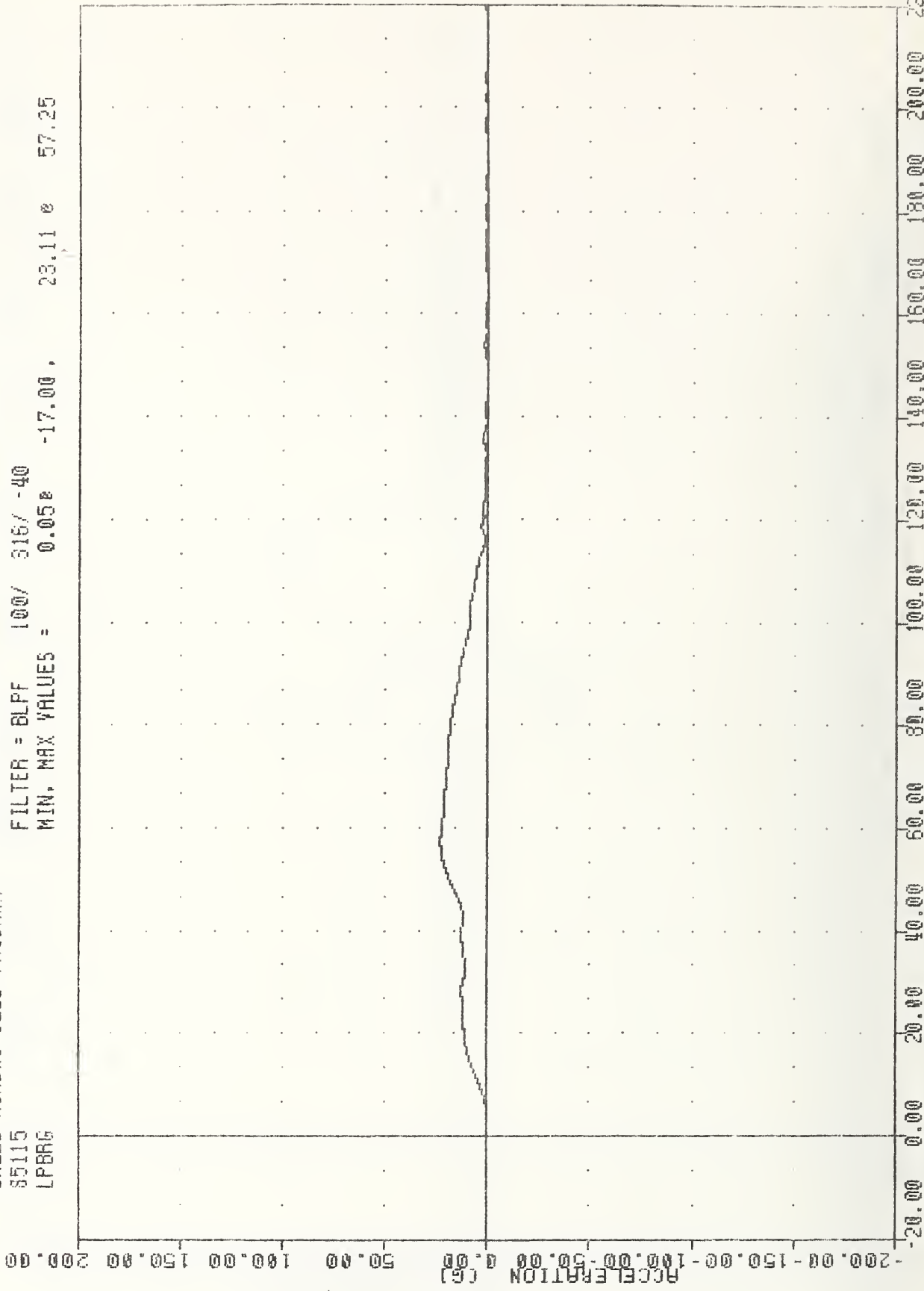


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER PELVIS RESULTANT

VRTC
BREED AIRBAG SLED PROGRAM
S5115
LPBRG

PLOT DATE 30-APR-85 12:20:02

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.05e -17.00, 23.11 e 57.25



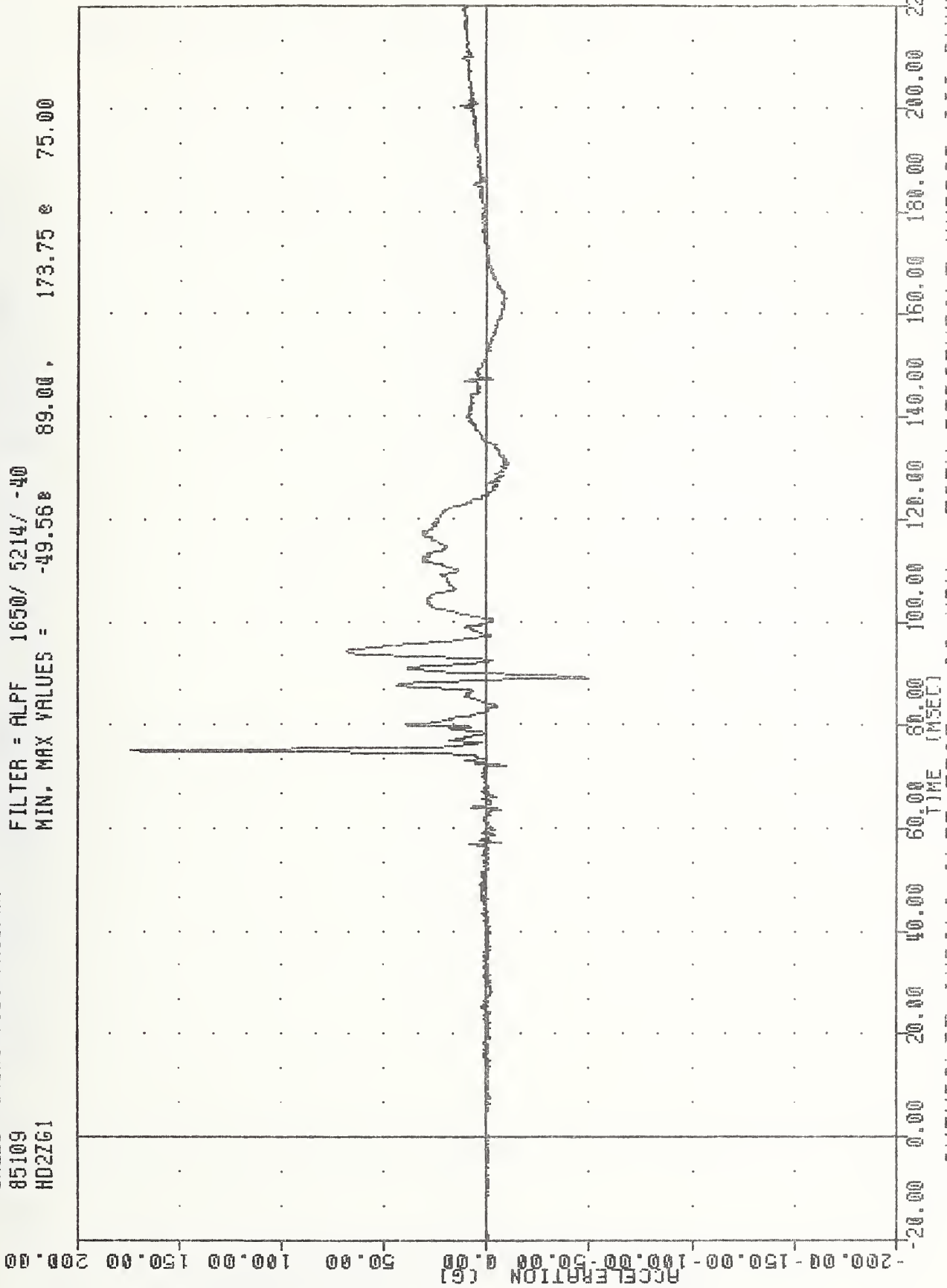
330

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
PILLAR LEFT P RESULTANT

VRTC • RD384-4-20
BREED AIRBAG SLED PROGRAM
85109
HD2ZG1

PLOT DATE 3-MAY-85 12:30:41

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -49.56g 89.00g 173.75g 75.00g

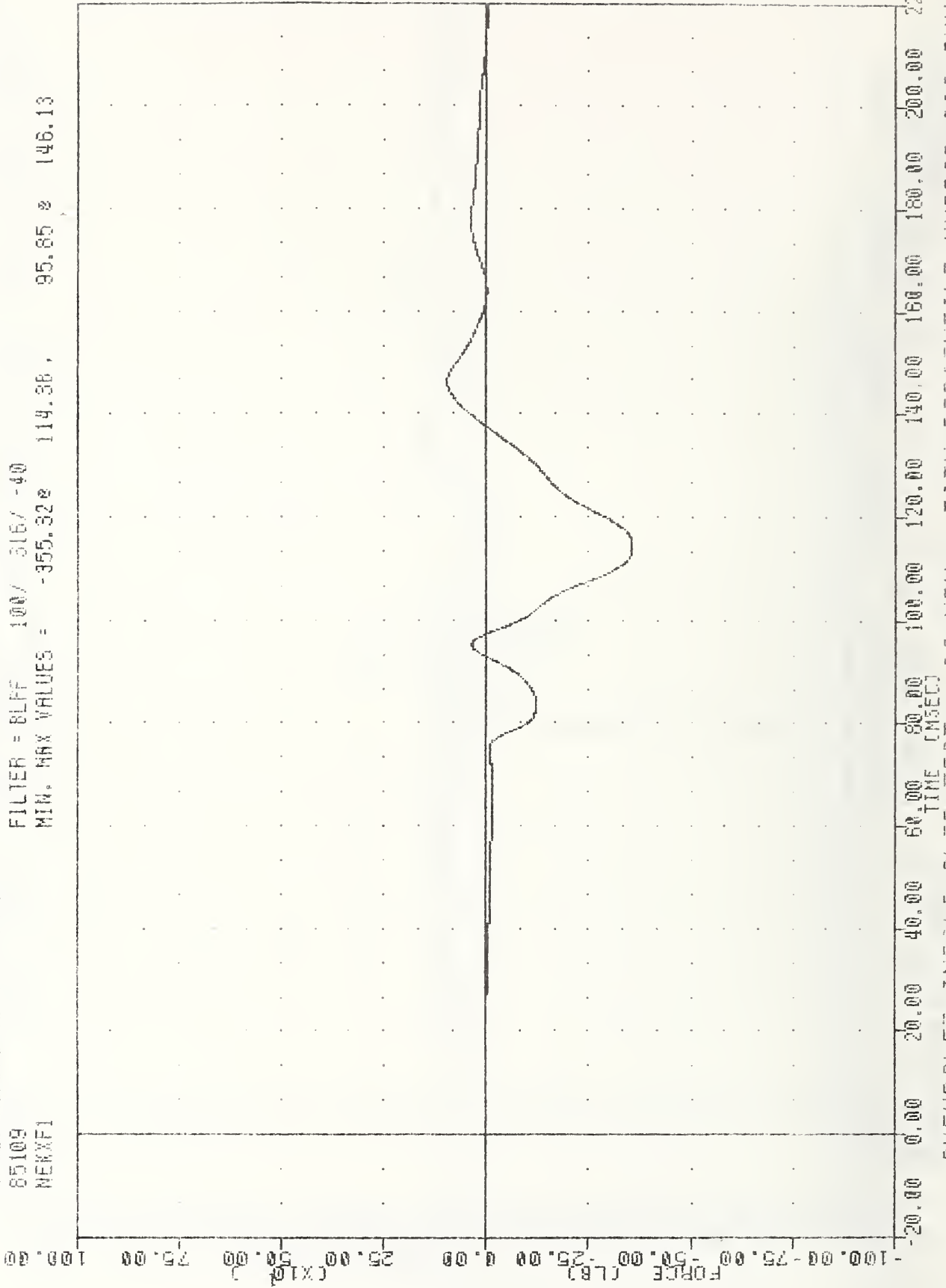


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER HEAD ACCELERATION Z AXIS (POSITION 2)

VRIC 80384-4-20
BASED AIRBAG SLED PROGRAM
85109
NEKXF1

PLOT DATE 30-SEP-85 04:40:31

FILTER = BLFF 100/ 3167 -40
MIN. MAX VALUES = -355.32 114.36 , 95.85 146.13

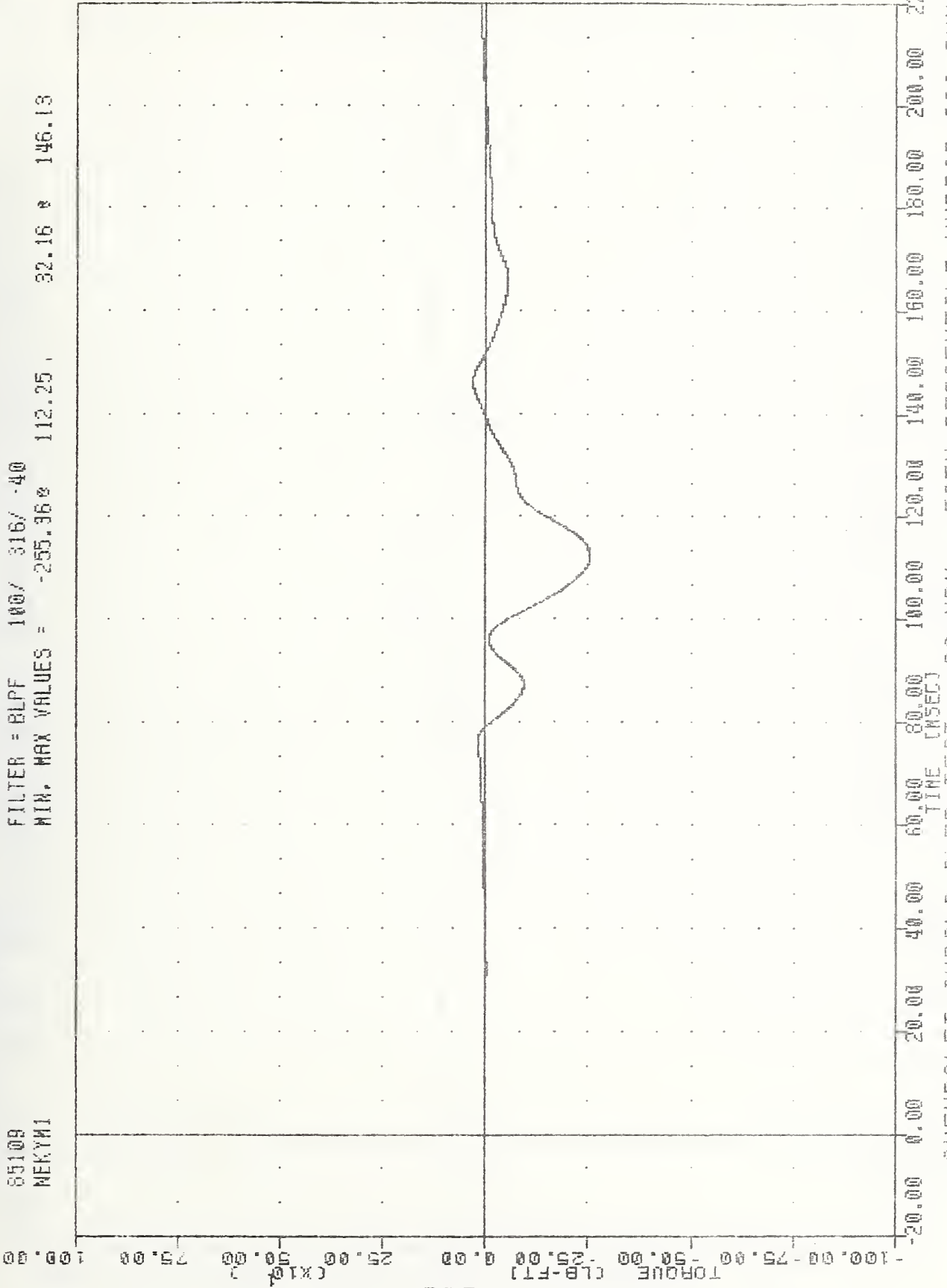


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK FORCE Y AXIS (SHEAR)

VATIC RD364-4-20
BREED AIRBAG SLED PROGRAM
85108
NEKYMI

PLOT DATE 30-APR-85 09:40:31

FILTER = BLPF 100% 316/ -40
MIN. MAX VALUES = -255.36 112.25 92.16 146.13



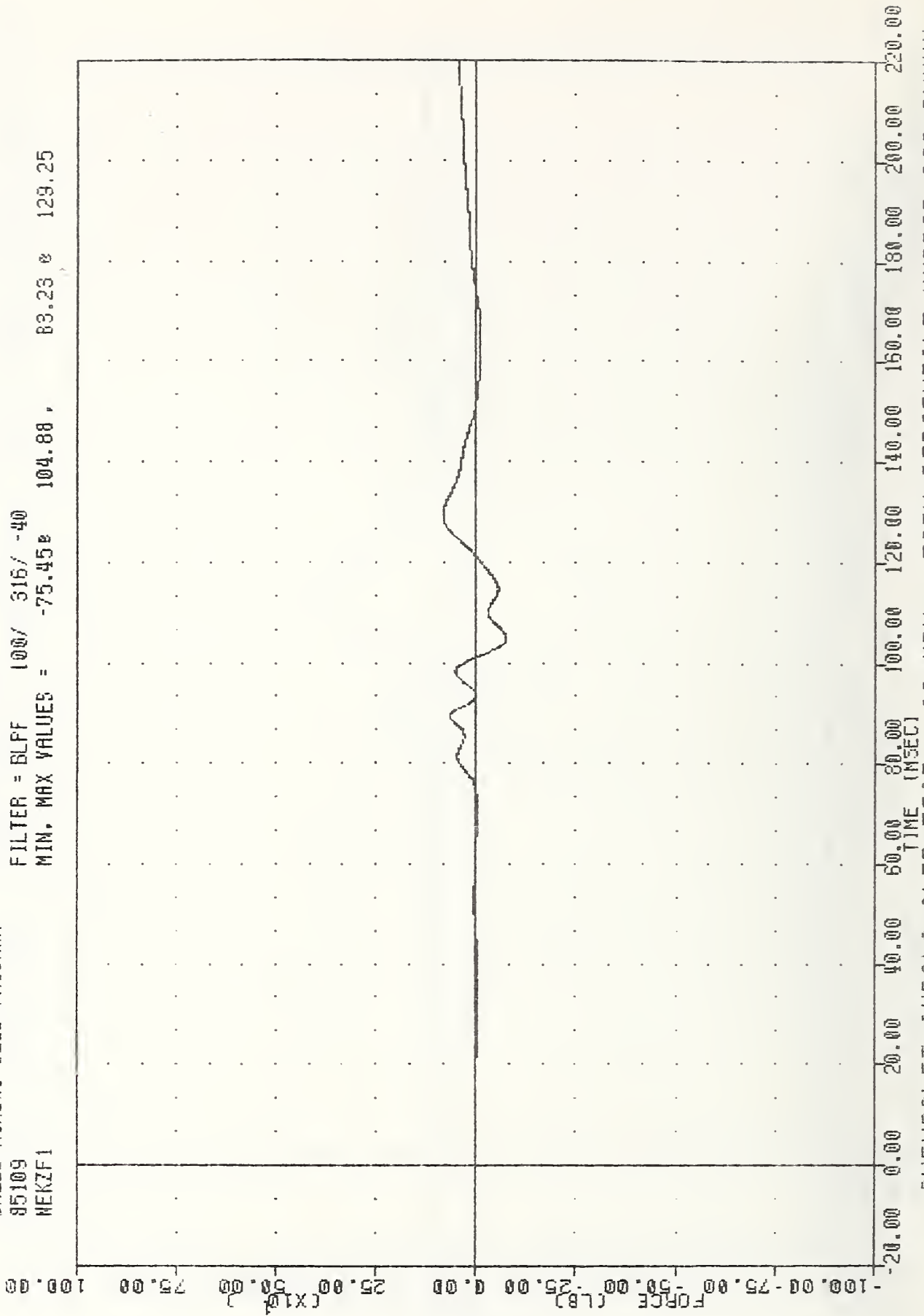
333

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK MOMENT Y AXIS FT-LBS

VRTC 85109 MEKZF1
BREED AIRBAG SLED PROGRAM
R0384-4-20

PLOT DATE 30-APR-85 09:40:31

FILTER = BLFF 100/ 316/ -40
MIN. MAX VALUES = -75.45e 104.88 , 83.23 e 129.25

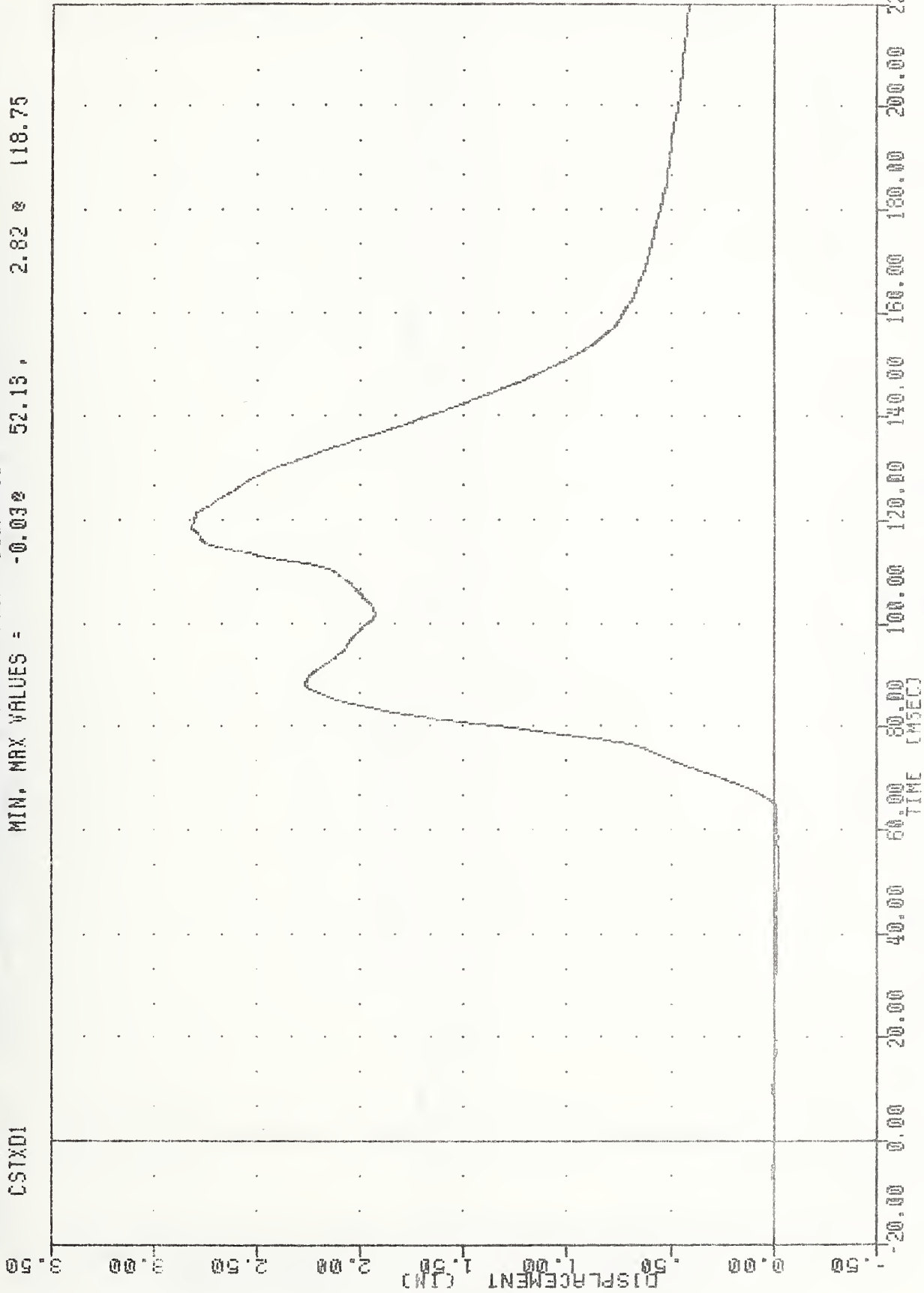


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER NECK FORCE Z AXIS LBS (AYIAL)

VRTC 80384-4-20
BREED AIRBAG SLED PROGRAM
85109
CSTXD1

PLOT DATE 30-APR-85 09:40:31

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -0.032 52.13 , 2.82 118.75

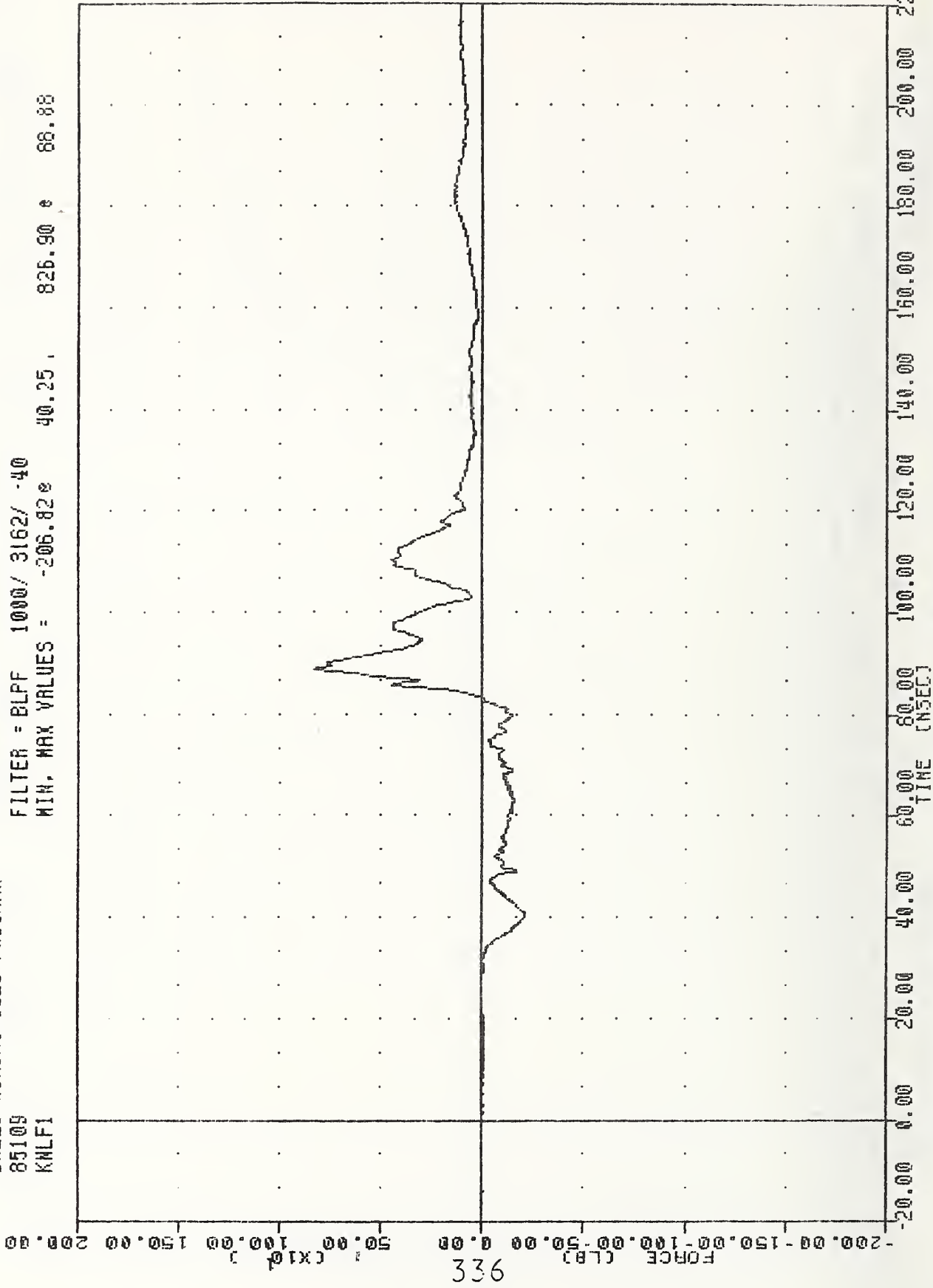


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER CHEST DISPLACEMENT INCHES

VATC , RD384-4-20
BREED AIRBAG SLED PROGRAM
85109
KNLF1

PLOT DATE 30-APR-85 09:40:31

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -206.82 40.25 , 826.90 88.88

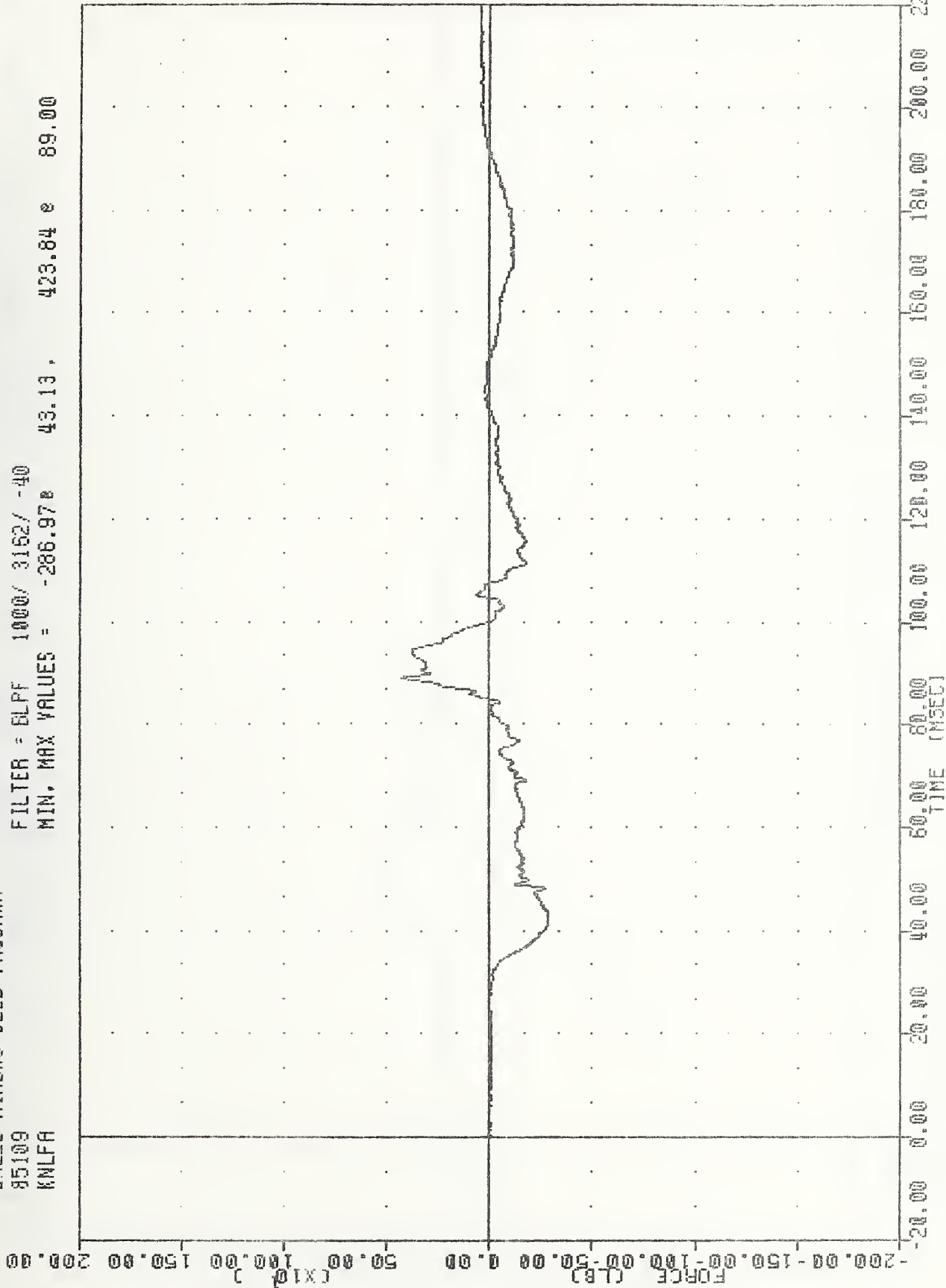


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE / LEFT SENSOR LBS

VRTC
BREED AIRBAG SLED PROGRAM
95109
KNLFA

PLOT DATE 30-APR-85 09:40:31

FILTER = 6LFF 1000/ 3162/ -40
MIN. MAX VALUES = -286.97 423.84 e 89.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT KNEE / RIGHT SENSOR LBS

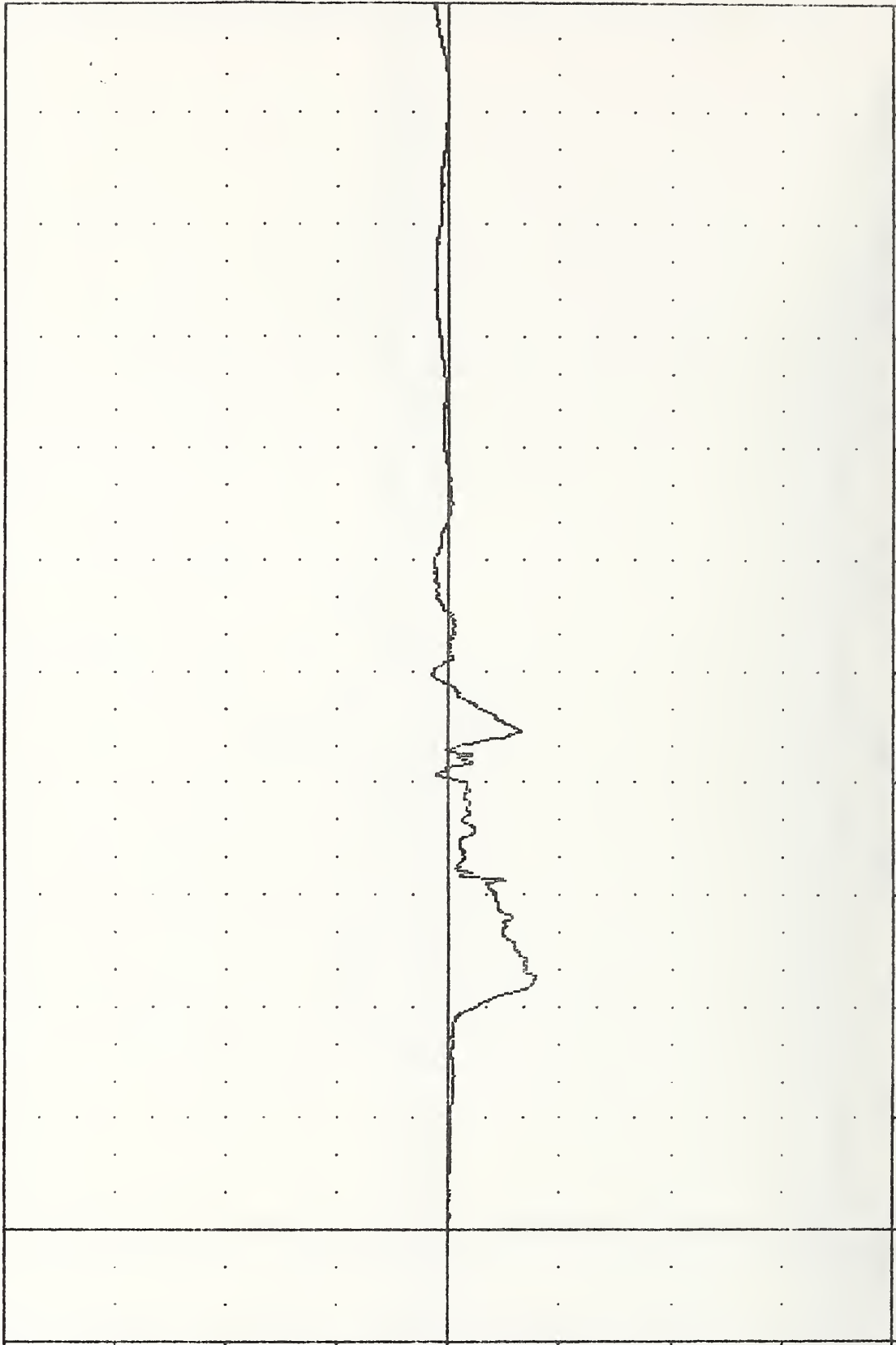
VRTC , RD384-4-20
BREED AIRBAG SLED PROGRAM
85109
KNAF1

PLOT DATE 30-APR-85 09:40:31

FILTER = 6LPF 1000/ 3162/ -40

MIN. MAX VALUES = -390.61e 45.25 , 73.78 e 99.38

FORCE (LB) (X10³)



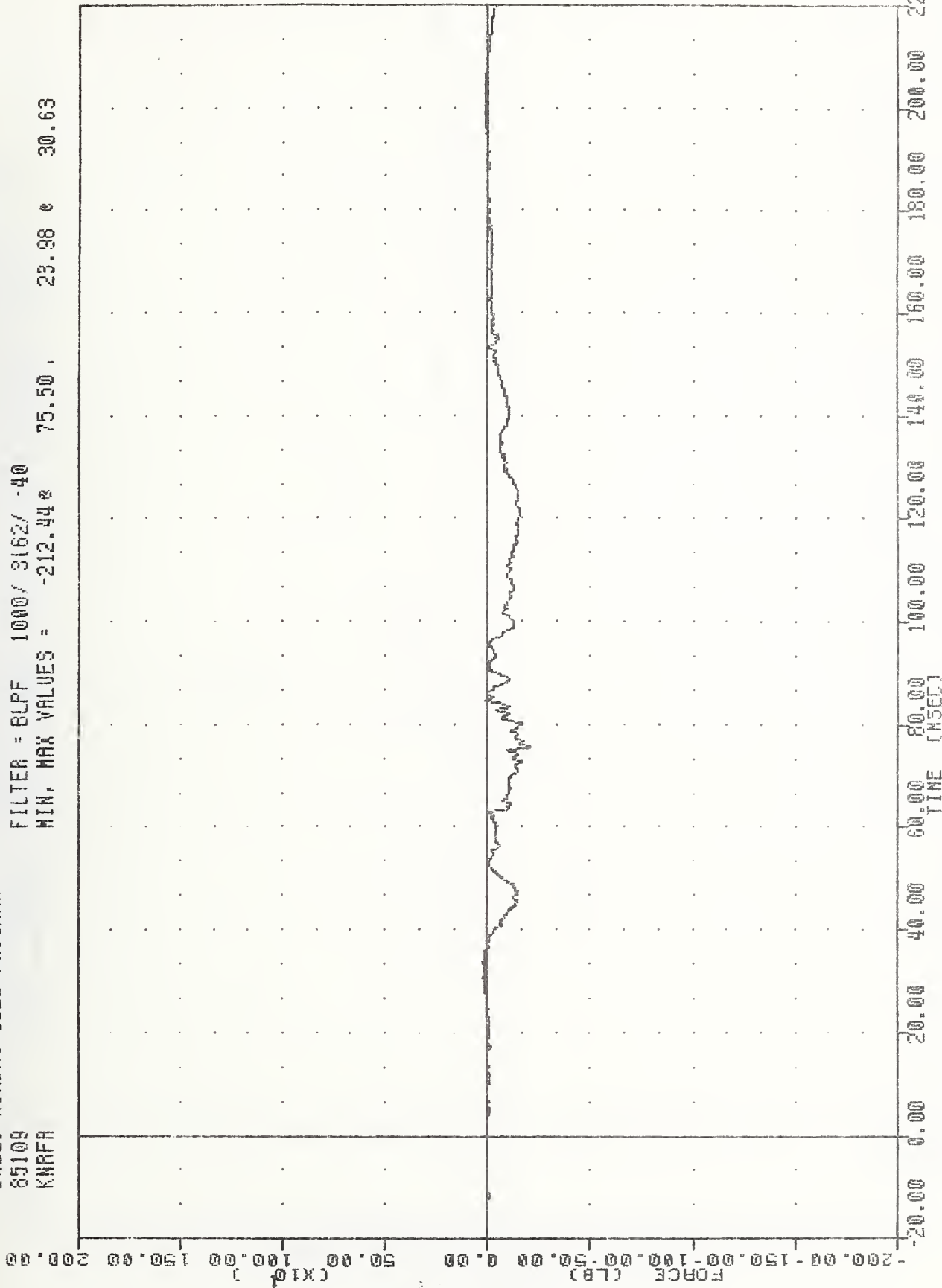
338

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE / LEFT SENSOR LBS

VRIC , 50384-4-20
BREED AIRBAG SLED PROGRAM
85109
KNRFA

PLOT DATE 30-APR-85 09:40:31

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -212.44 e 75.50 , 23.98 e 30.63



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
FORCE (LB)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT KNEE / RIGHT SENSOR LBS

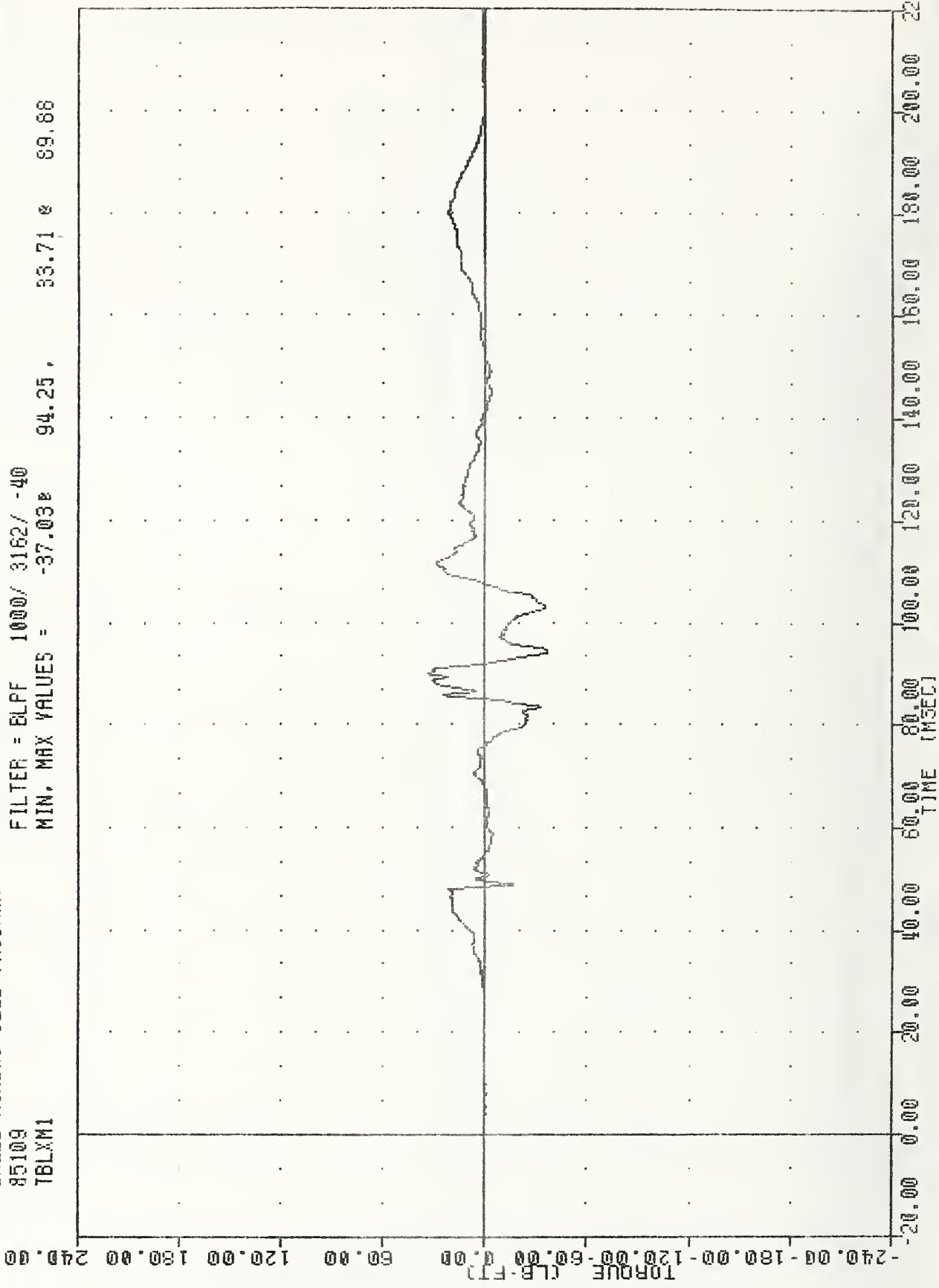
VRTC
85109
TBLXM1

PLOT DATE 30-APR-85 09:40:31

BREED AIRBAG SLED PROGRAM

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -37.03 94.25, 83.71 89.88



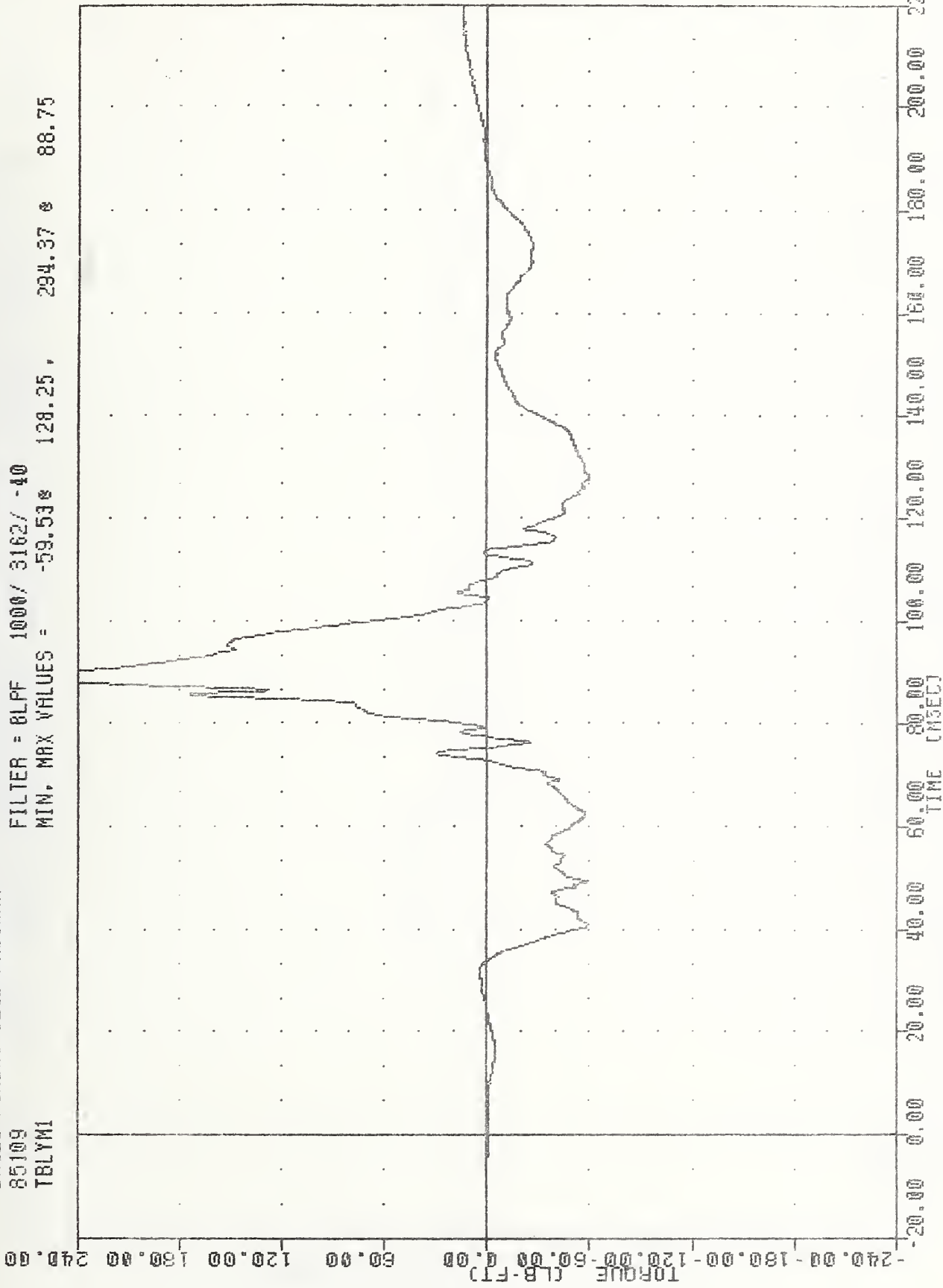
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT X AXIS LB-FT

VRTC , RD384-4-20
BRED AIRBAG SLED PROGRAM
85109
TBLYM1

PLOT DATE 30-APR-85 09:40:31

FILTER = 8LPF 1000/ 3162/ -40

MIN, MAX VALUES = -59.53% 128.25 , 294.37 @ 88.75



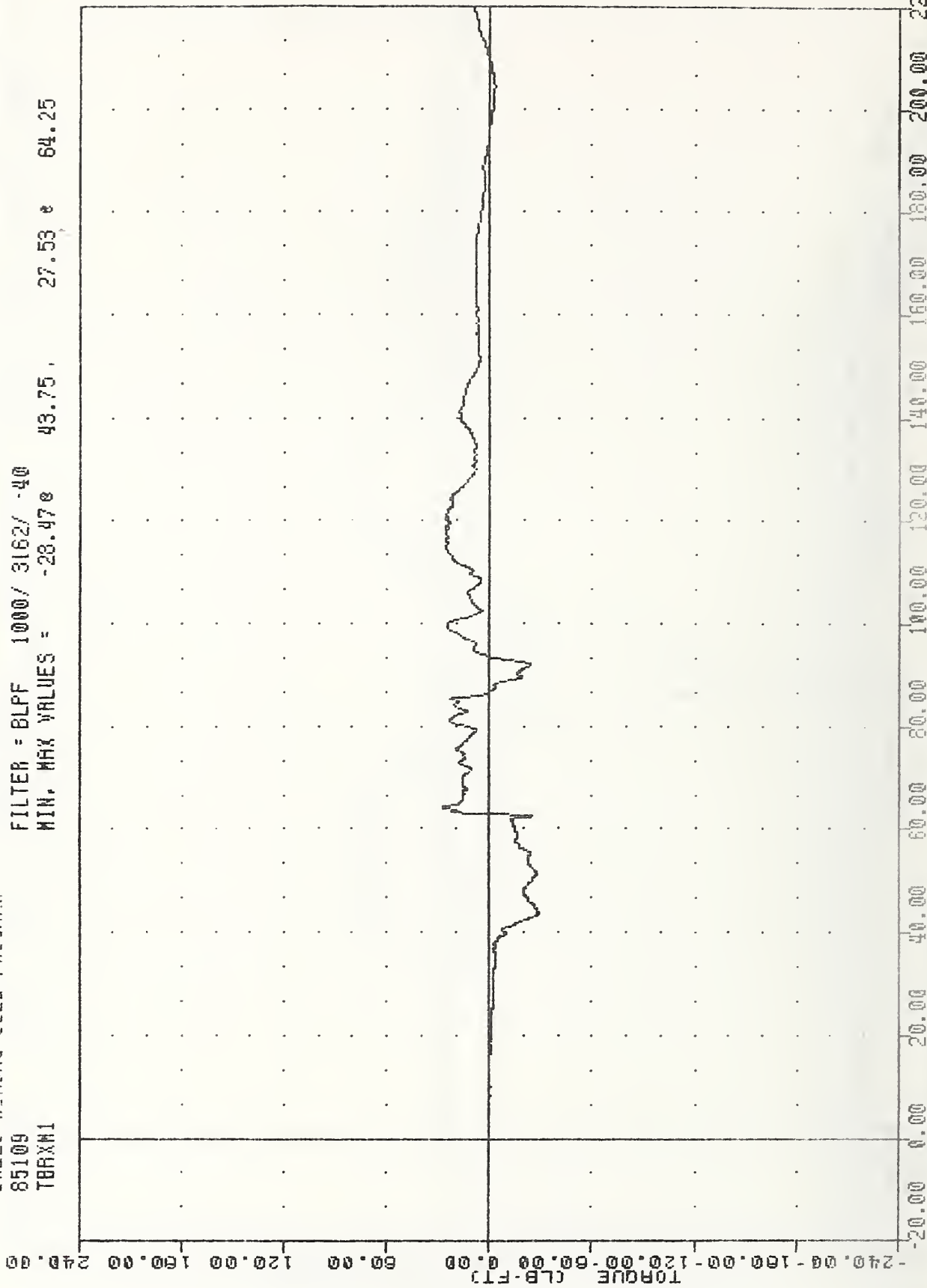
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT UPPER TIBIA MOMENT Y AXIS LB-FT

VATC , RD384-4-20
BREED AIRBAG SLED PROGRAM
85109
TBRXH1

PLOT DATE 30-APR-85 09:40:31

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -28.470 43.75 , 27.53 e 64.25

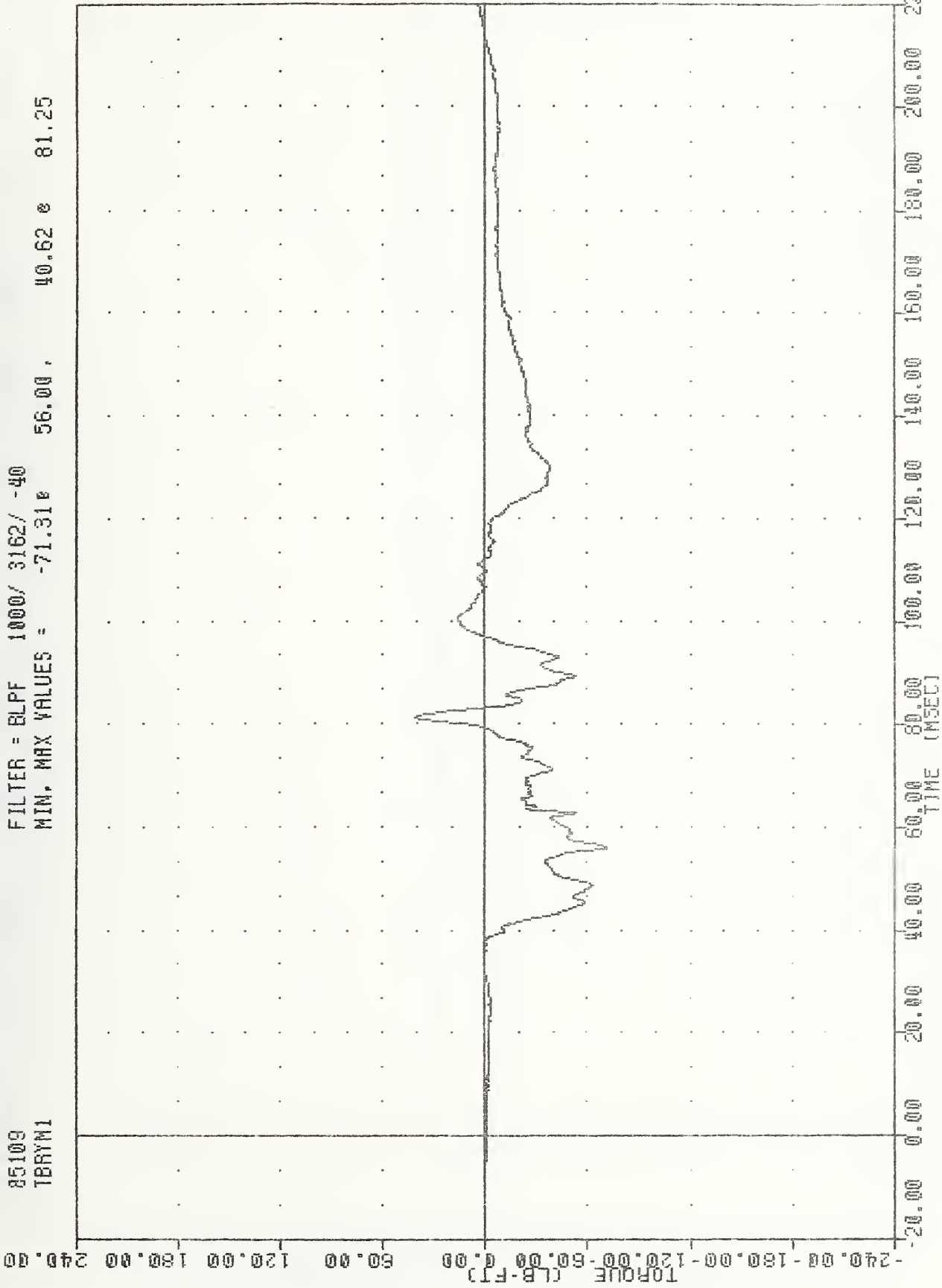


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBI9 MOMENT X AXIS LB-FT

V8TC
BREED AIRBAG SLED PROGRAM
85109
TBRYM1

PLOT DATE 30-APR-85 09:40:31

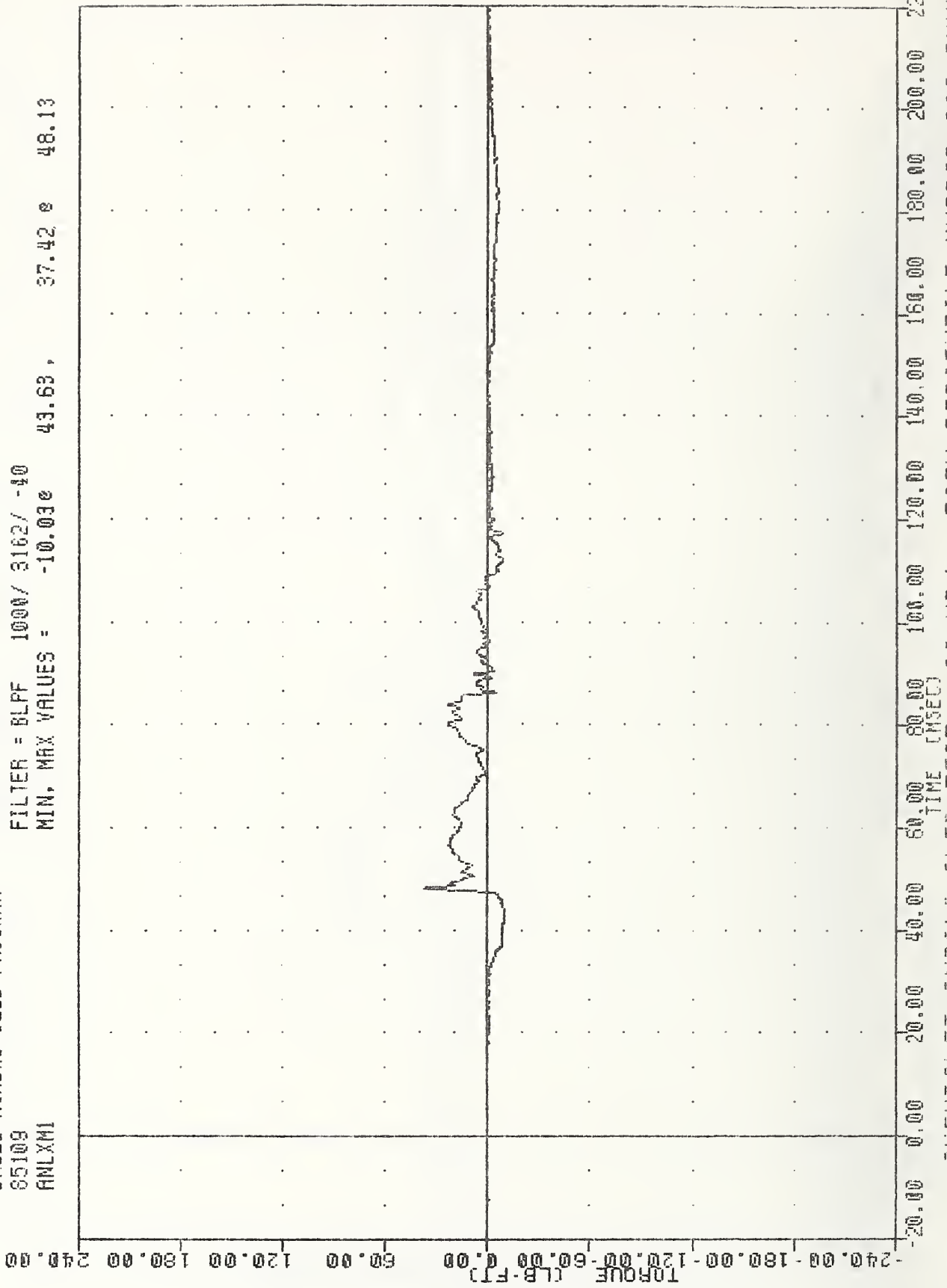
FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -71.31e 56.00, 40.62 e 81.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT UPPER TIBIA MOMENT Y AXIS LB-FT

VATIC , RD384-4-20
BREED AIRBAG SLED PROGRAM
85109
ANLXMI

PLOT DATE 30-APR-85 08:40:31
FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -10.03e 43.63 , 37.42 e 48.13



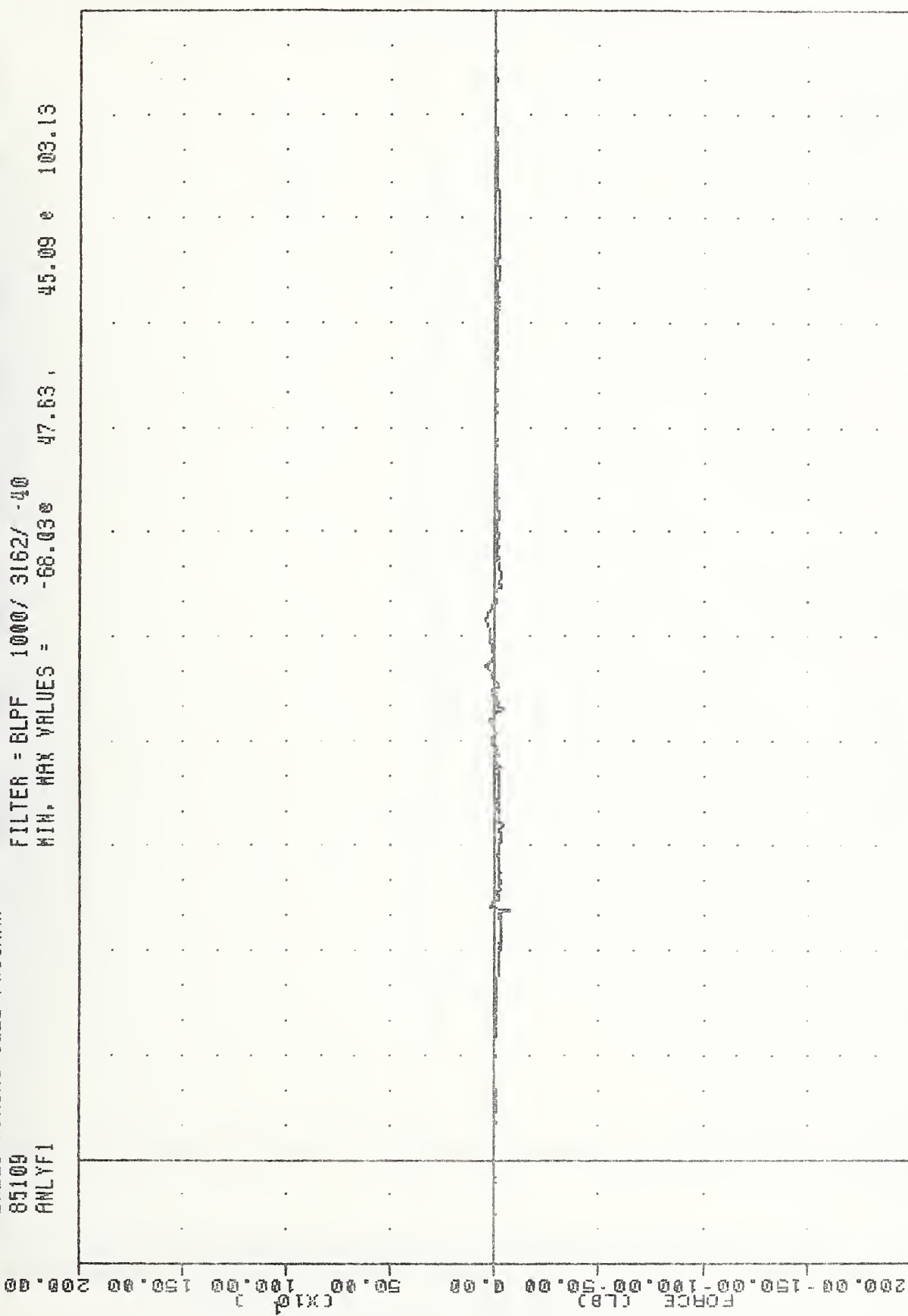
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA MOMENT X AXIS LB-FT

VATC , RD384-4-20
BREED AIRBAG SLED PROGRAM
85109
ANLYFI

PLOT DATE 30-APR-85 09:40:31

FILTER = 6LFF 1000/ 3162/ -40

MIN. MAX VALUES = -68.03e 47.63, 45.09 e 103.13

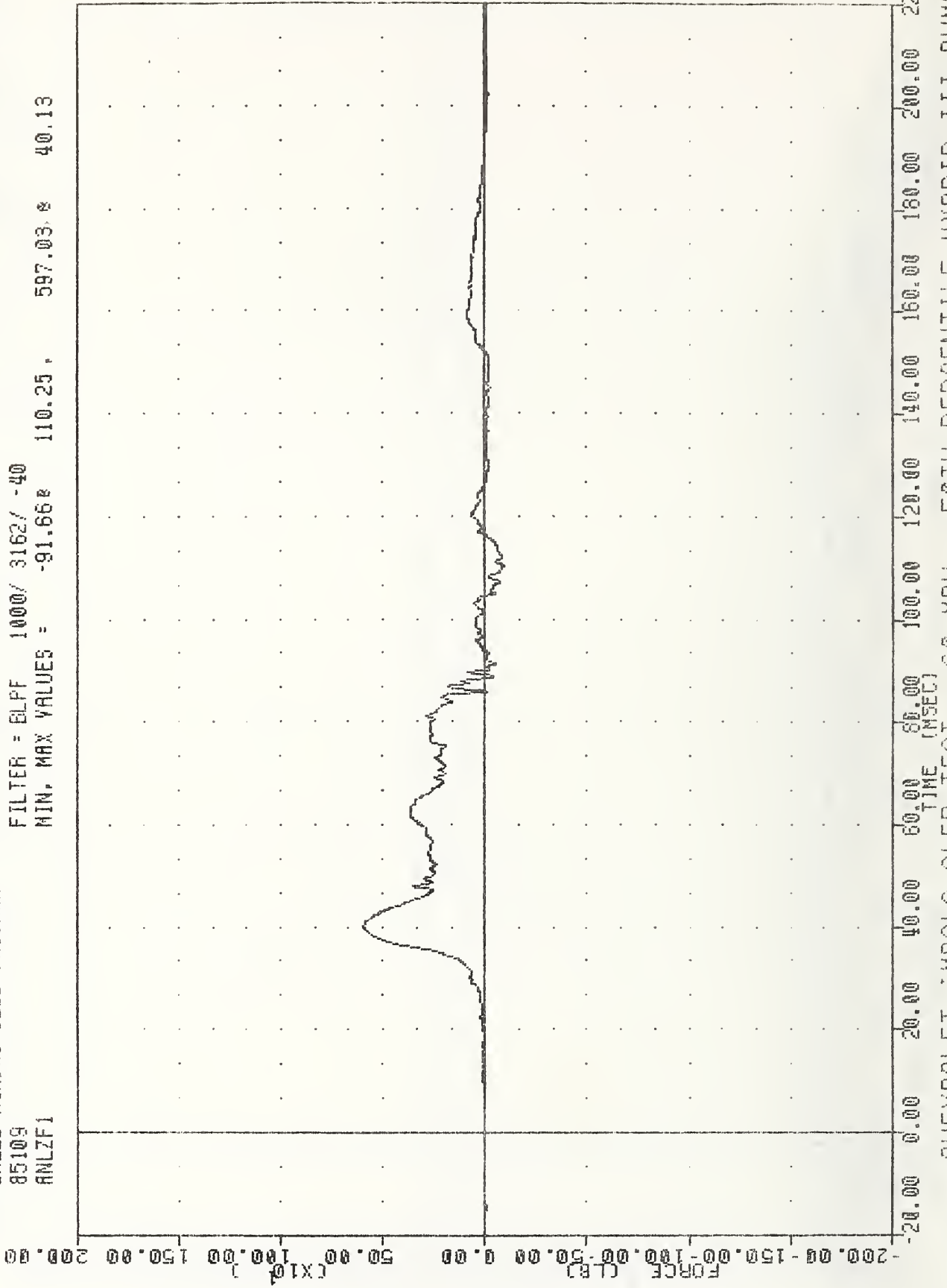


-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
FORCE (LB)
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA FORCE Y AXIS LBS

VRTC , RD324-4-20
BREED AIRBAG SLED PROGRAM
85109
ANLZF1

PLOT DATE 30-APR-85 09:40:31

FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -91.66e 110.25, 597.03e 40.13



346

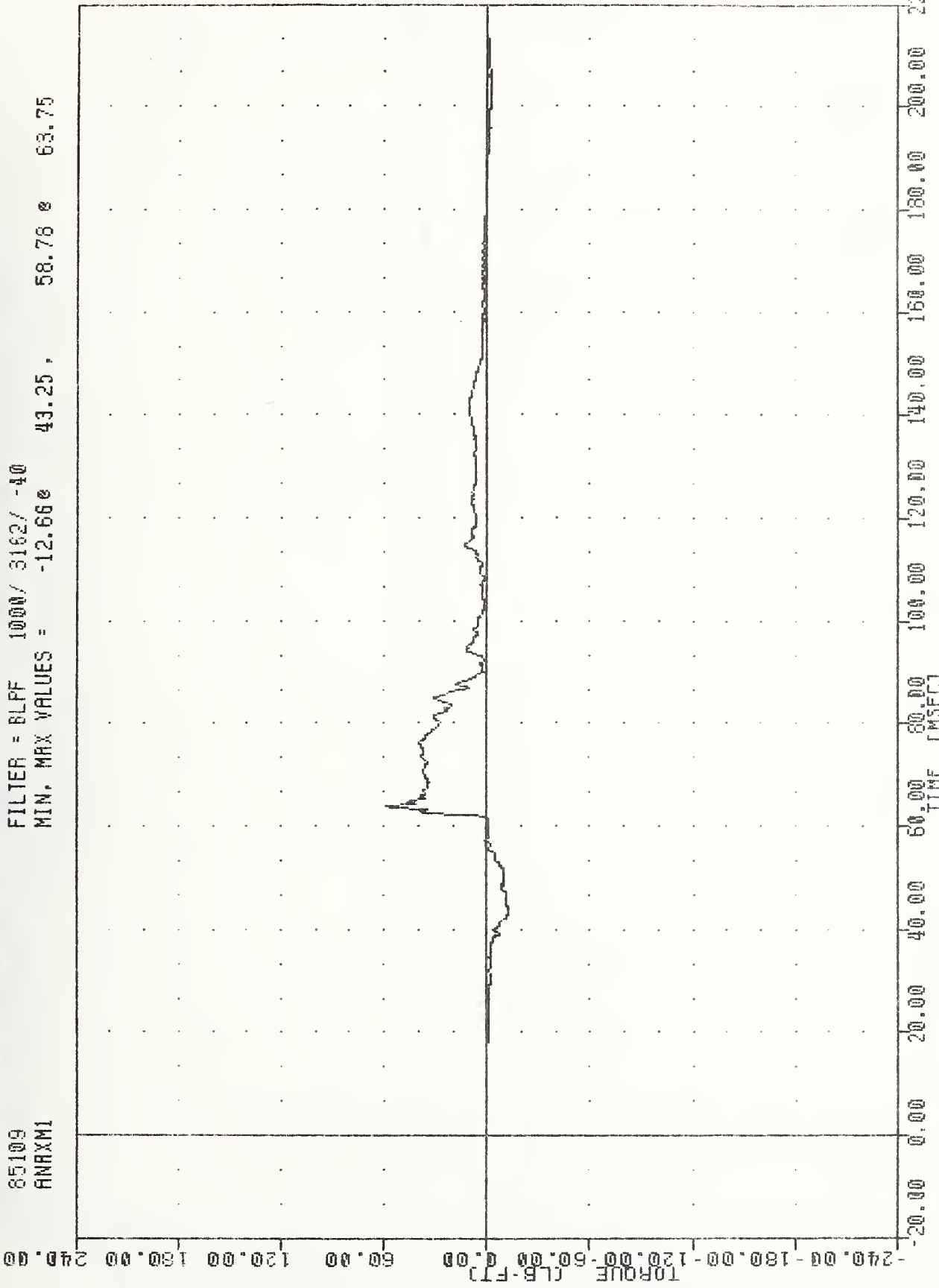
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER LEFT LOWER TIBIA FORCE Z AXIS LBS

VRTC
BREED AIRBAG SLED PROGRAM
85109
ANRXM1

PLOT DATE 30-APR-85 09:40:31

FILTER = BLPF 100N/ 3162/ -40

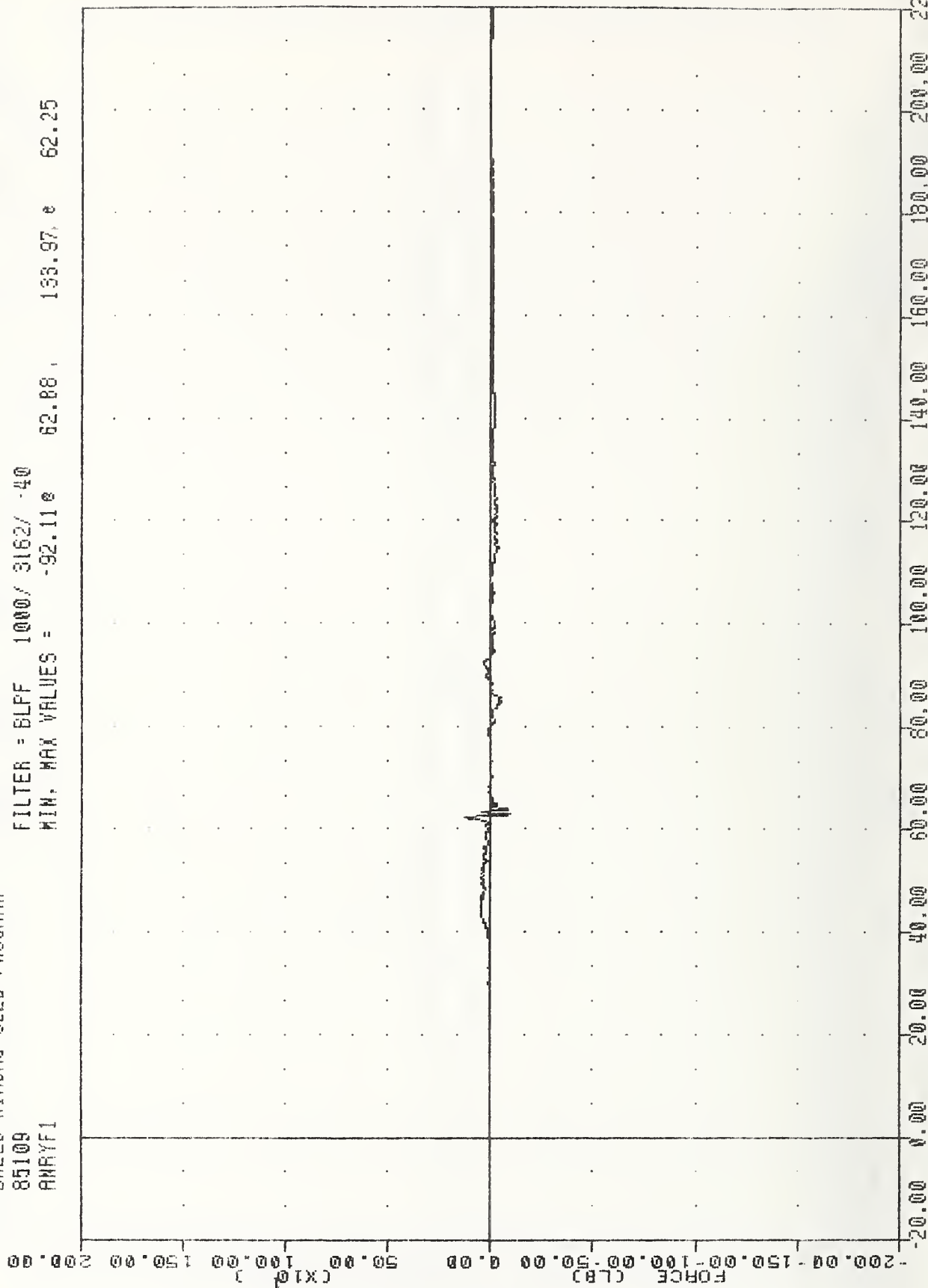
MIN. MAX VALUES = -12.66e 43.25 , 58.76 e 63.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
DRIVER RIGHT LOWER TIBIA MOMENT X AXIS LB-FT

VRTC , RD384-4-20
 BREED AIRBAG SLED PROGRAM
 85109
 ANRYF1

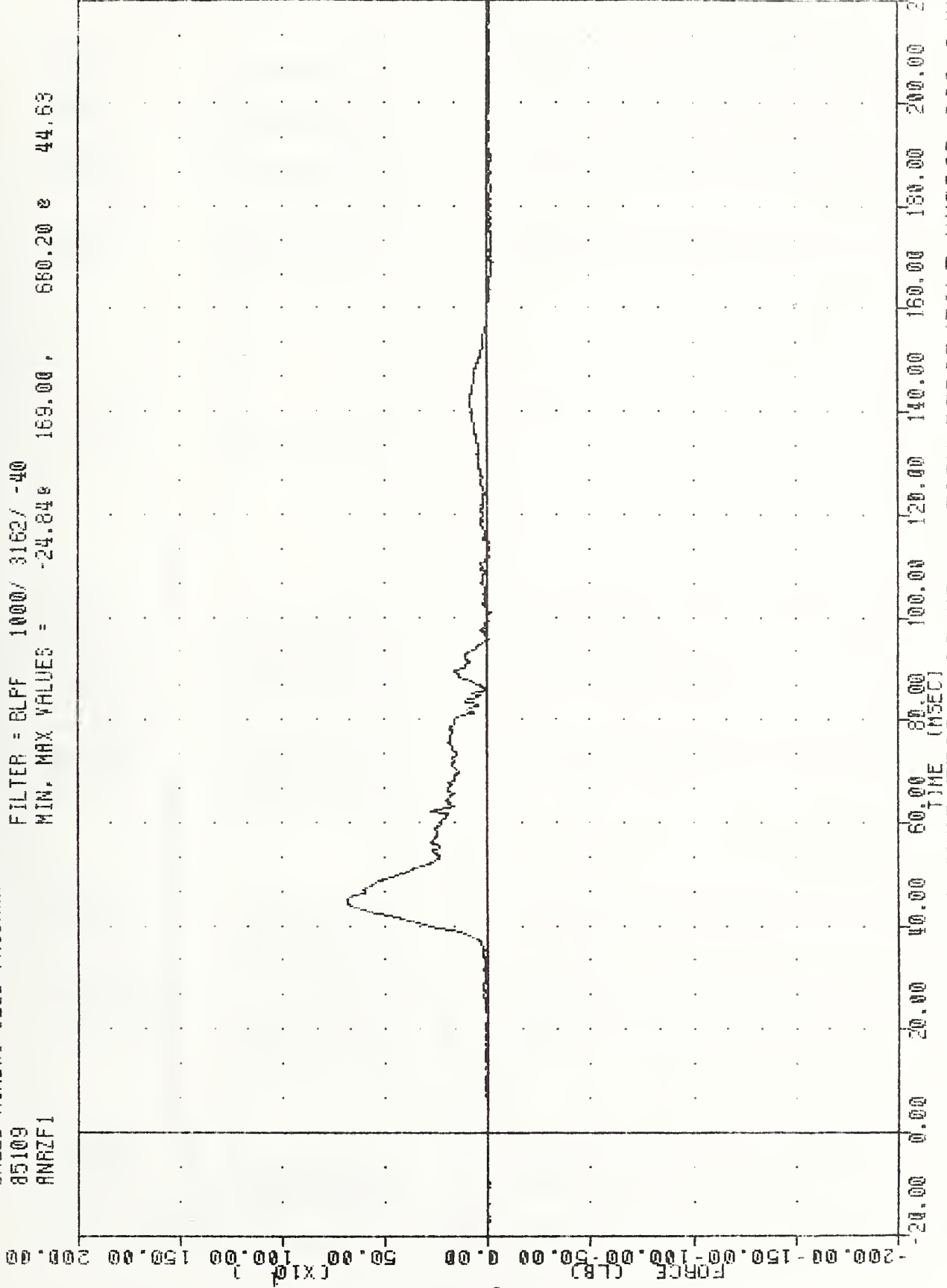
PLOT DATE 30-APR-85 09:40:31
 FILTER = 6LFF 1000/ 3162/ -40
 MIN. MAX VALUES = -92.11e 62.88 , 133.97, e 62.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER RIGHT LOWER TIBIA FORCE Y AXIS LBS

VRTC , RD384-4-20
 BREED AIRBAG SLED PROGRAM
 85109
 ANRZF1

PLOT DATE 30-APR-85 09:40:31
 FILTER = BLFF 1000/ 3162/ -40
 MIN. MAX VALUES = -24.84e 169.00, 660.20 e 44.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE HYBRID III DUMMY
 DRIVER RIGHT LOWER TIBIA FORCE Z AXIS LBS

EVENT	Min value	Max value	Data Units	Filter
1	0.061 @ 47.375	1.579 @ -15.750 msec	volt	ALPF 1650/ 5214/ -40
2	-32.658 @ 120.500	0.135 @ -18.500 msec	mph	ALPF 100/ 316/ -40
3	-23.129 @ 57.250	0.652 @ 121.500 msec	g	BLPF 100/ 316/ -40
4	-115.616 @ 89.125	8.089 @ 219.875 msec	g	ALPF 1650/ 5214/ -40
5	-35.229 @ 108.750	3.003 @ 98.000 msec	g	ALPF 1650/ 5214/ -40
6	-0.904 @ 32.375	66.474 @ 89.125 msec	g	ALPF 1650/ 5214/ -40
7	-50.148 @ 94.625	9.394 @ 220.000 msec	g	BLPF 300/ 949/ -40
8	-10.495 @ 115.250	5.953 @ 93.500 msec	g	BLPF 300/ 949/ -40
9	-9.113 @ 105.875	6.660 @ 69.000 msec	g	BLPF 300/ 949/ -40
10	-53.933 @ 85.000	8.645 @ 220.000 msec	g	BLPF 300/ 949/ -40
11	-39.229 @ 76.750	4.989 @ 129.625 msec	g	BLPF 300/ 949/ -40
12	-28.848 @ 81.250	4.291 @ 138.625 msec	g	BLPF 300/ 949/ -40
13	-3.770 @ 47.125	7.642 @ 106.375 msec	g	BLPF 300/ 949/ -40
14	-21.644 @ 84.750	1.246 @ 220.000 msec	g	BLPF 300/ 949/ -40
15	-169.510 @ 29.625	147.516 @ 98.750 msec	lb	BLPF 1000/ 3162/ -40
16	-382.790 @ 49.750	351.634 @ 85.875 msec	lb	BLPF 1000/ 3162/ -40
17	-22.861 @ 59.375	0.748 @ 173.625 msec	g	BLPF 100/ 316/ -40
18	-1.418 @ 43.000	2.289 @ 37.500 msec	g	BLPF 100/ 316/ -40
19	-1.547 @ 34.250	2.250 @ 29.375 msec	g	BLPF 100/ 316/ -40
20	-0.214 @ -13.375	2455.655 @ 89.125 msec	lb	BLPF 100/ 316/ -40
21	-10.776 @ 132.875	1261.578 @ 84.250 msec	lb	BLPF 100/ 316/ -40
22	-0.002 @ -19.875	2.315 @ 24.000 msec	volt	ALPF 1650/ 5214/ -40
23	-0.163 @ 89.000	0.491 @ 96.500 msec	volt	ALPF 1650/ 5214/ -40

EVENT	Min value	Max value	Data Units	Filter
1	-43.354 @ 162.000	0.536 @ 49.625 msec	mph	BLPF 300/ 949/ -40
2	-57.910 @ 220.000	0.156 @ 63.500 msec	in	BLPF 300/ 949/ -40
3	-41.038 @ 207.000	-0.130 @ -1.750 msec	mph	BLPF 300/ 949/ -40
4	-64.313 @ 220.000	-0.090 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	-27.765 @ 115.875	0.011 @ -10.750 msec	mph	BLPF 300/ 949/ -40
6	-45.049 @ 220.000	0.000 @ -7.875 msec	in	BLPF 300/ 949/ -40
7	-32.197 @ 115.625	0.091 @ -20.000 msec	mph	BLPF 300/ 949/ -40
8	-61.817 @ 220.000	0.066 @ 3.000 msec	in	BLPF 300/ 949/ -40
9	-31.716 @ 117.500	0.002 @ -20.000 msec	mph	BLPF 300/ 949/ -40
10	-60.081 @ 220.000	-0.001 @ -18.750 msec	in	BLPF 300/ 949/ -40

EVENT	Min value	Max value	Data Units	Filter
1	0.039 @ 18.375	133.403 @ 89.125 msec	g	ALPF 1650/ 5214/ -40
2	0.059 @ -9.875	50.359 @ 94.625 msec	g	BLPF 300/ 949/ -40
3	0.027 @ 6.000	35.487 @ 81.500 msec	g	BLPF 300/ 949/ -40
4	0.060 @ -18.750	22.886 @ 59.250 msec	g	BLPF 100/ 316/ -40

350

HEDRGF\F\1

* * * HIC computation for [SLED,BREED]TRC428RF.RAD#1 30-APR-85 11:16:22
HEDRG1 VRTC RD384-4-21 85119 BREED AIRBAG SLED PROGRAM
Using time range = 0.000 to 220.000 msec Peak accel = 133.40 @ 89.125
HIC = 855.31 Interval from 74.750 [759] to 114.125 [1074]
HIC = 543.99 Interval from 96.000 [929] to 111.000 [1049]

R SYSF:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC428RF

File TRC428RF -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-21 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 FEVRG1 LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC428RF.RAD#1 VRTC RD384-4-21
BREED AIRBAG SLED PROGRAM 30.0 mph 85119 30-APR-85 11:17:17
Deltax: 0.125

3 MS CLIP PEAK: 39.25400

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> EXIT

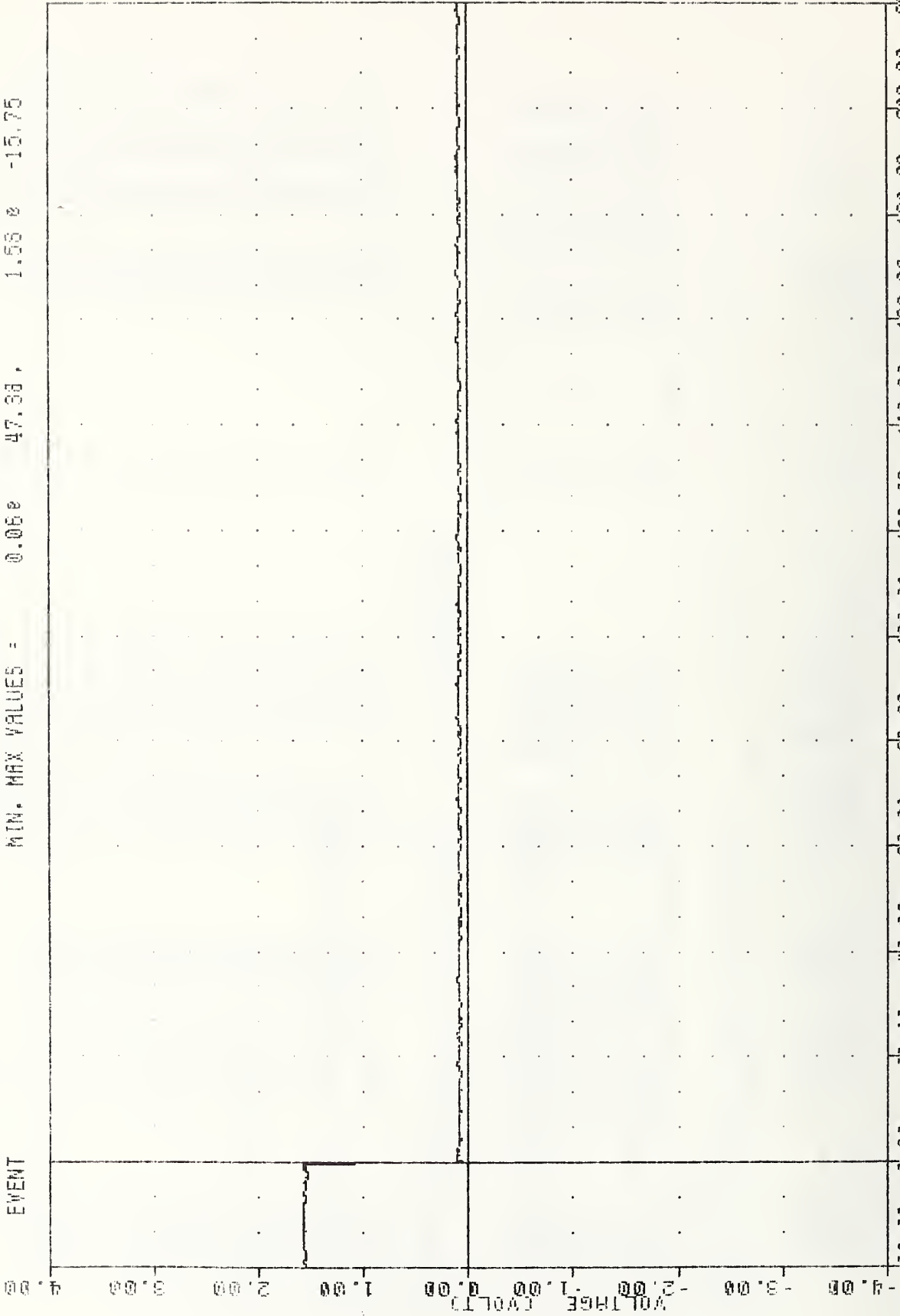
Enter input filespec -> EXIT
\$

YATE
SPEED AIRBAG SLED PROGRAM
85119
EVENT

PLST DATE 1-MAY-85 13:16:24

FILTER = ALFF 1650/ 5214/ -40

MIN. MAX VALUES = 0.05e 47.38e 1.58e -15.75



-4.00
-3.00
-2.00
-1.00
0.00
1.00
2.00
3.00
4.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
EVENT

V810
85119
HE0X61

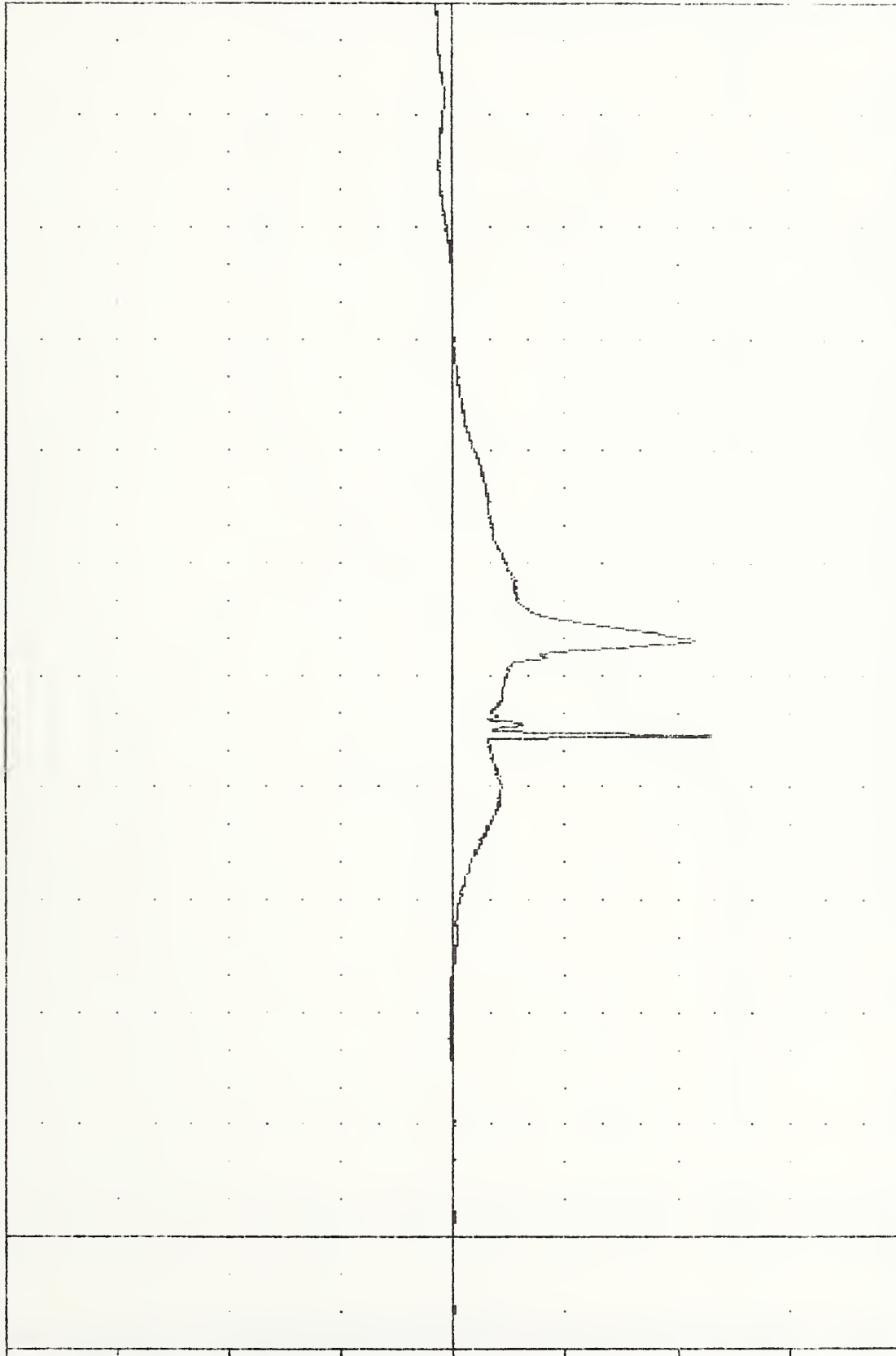
80304-4-21
1-MAY-85 15:19:29

BREED AIRBAG SLED PROGRAM

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -115.62e 89.13, 6.09 e 219.88

ACCELERATION (G)
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00



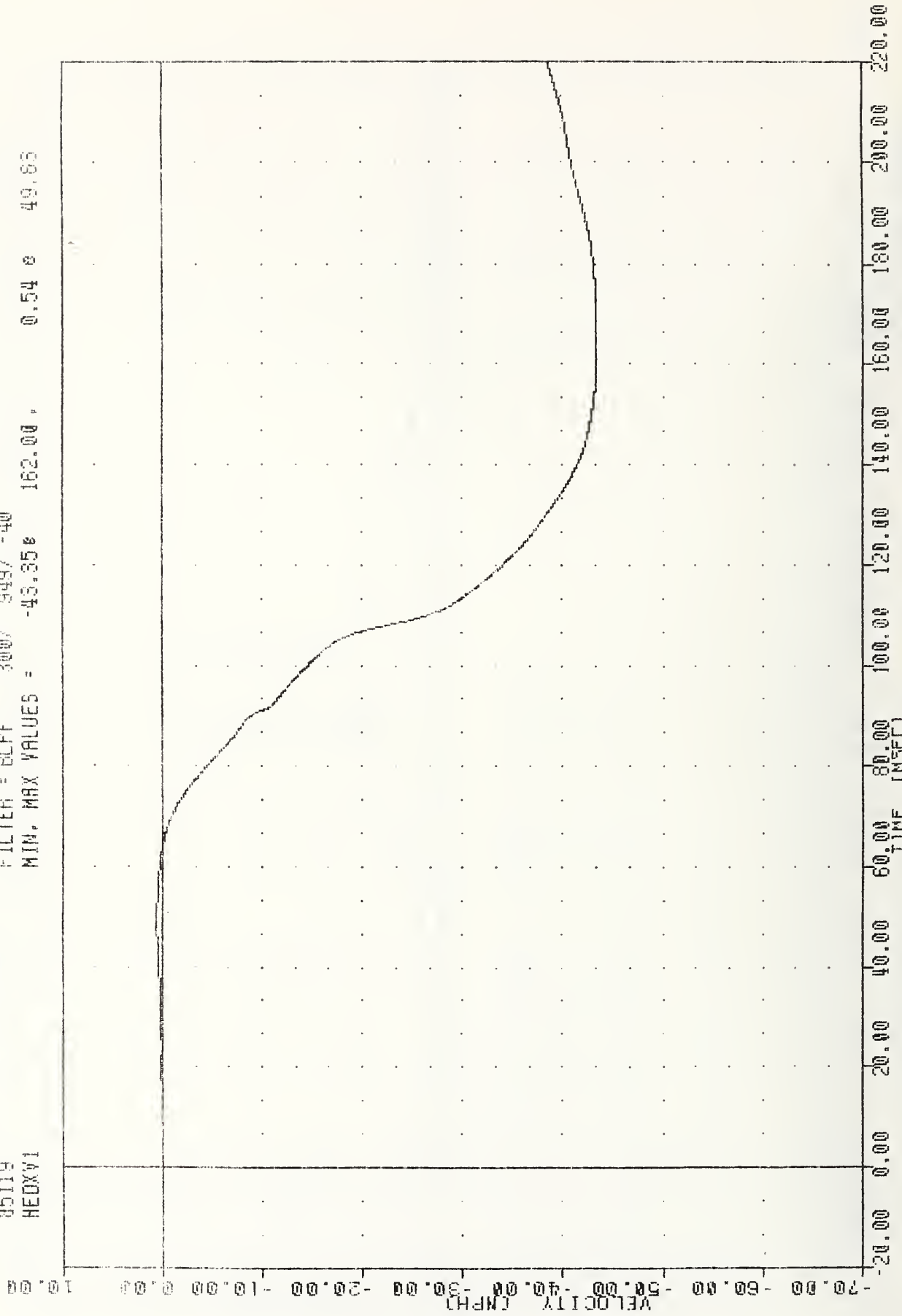
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION (G)

VRTC
BRED ATARR6 SLED PROGRAM
05119
HEDXV1

PLOT DATE 1-MAY-65 15:47:55

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -43.35% 162.00 , 0.54 % 49.65

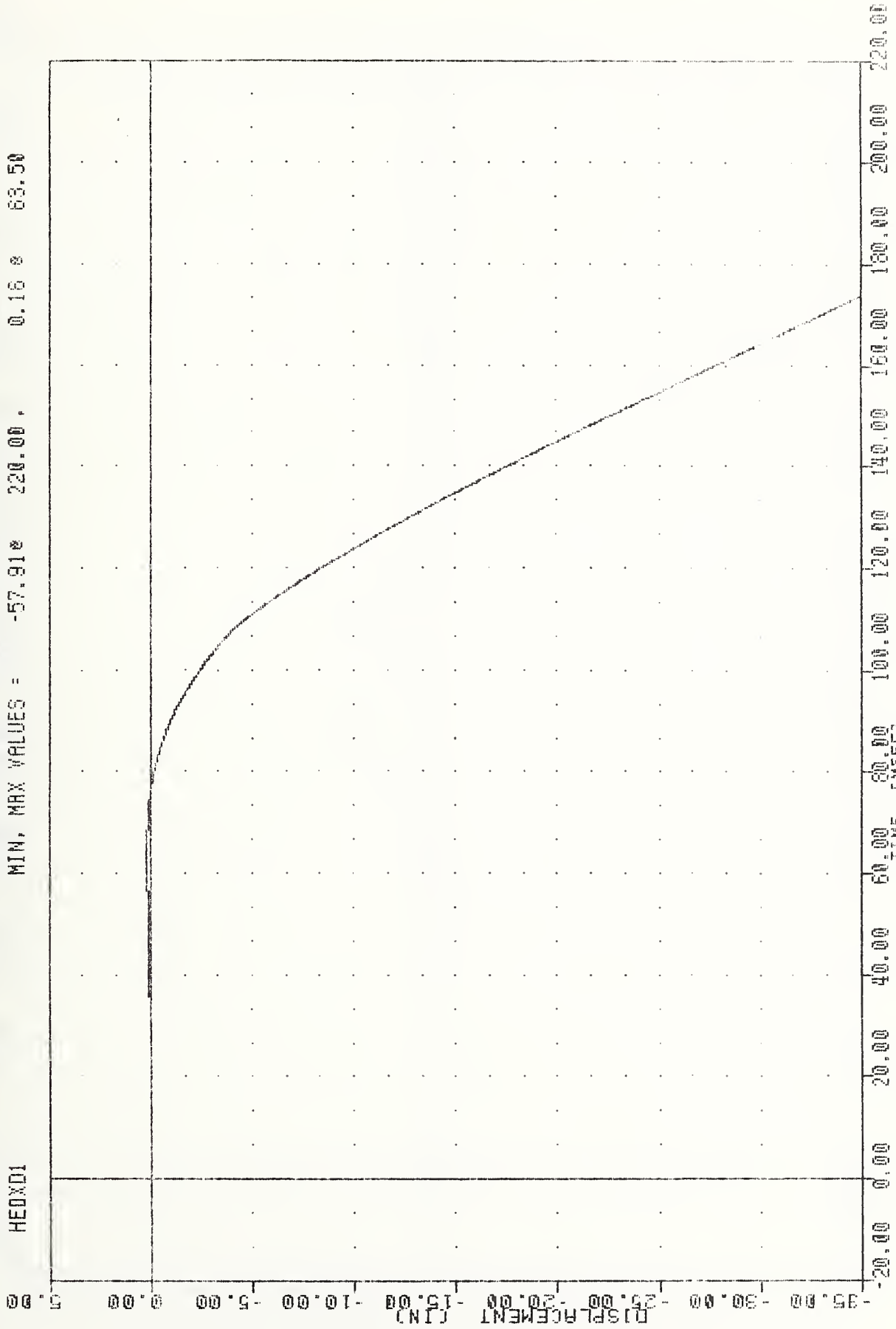


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC
BREED AIRBAG SLED PROGRAM
85119
HEXD1

PLOT DATE 1-MAY-85 15:47:35

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -57.91e 220.00 0.18 e 63.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA Y USING HEAD

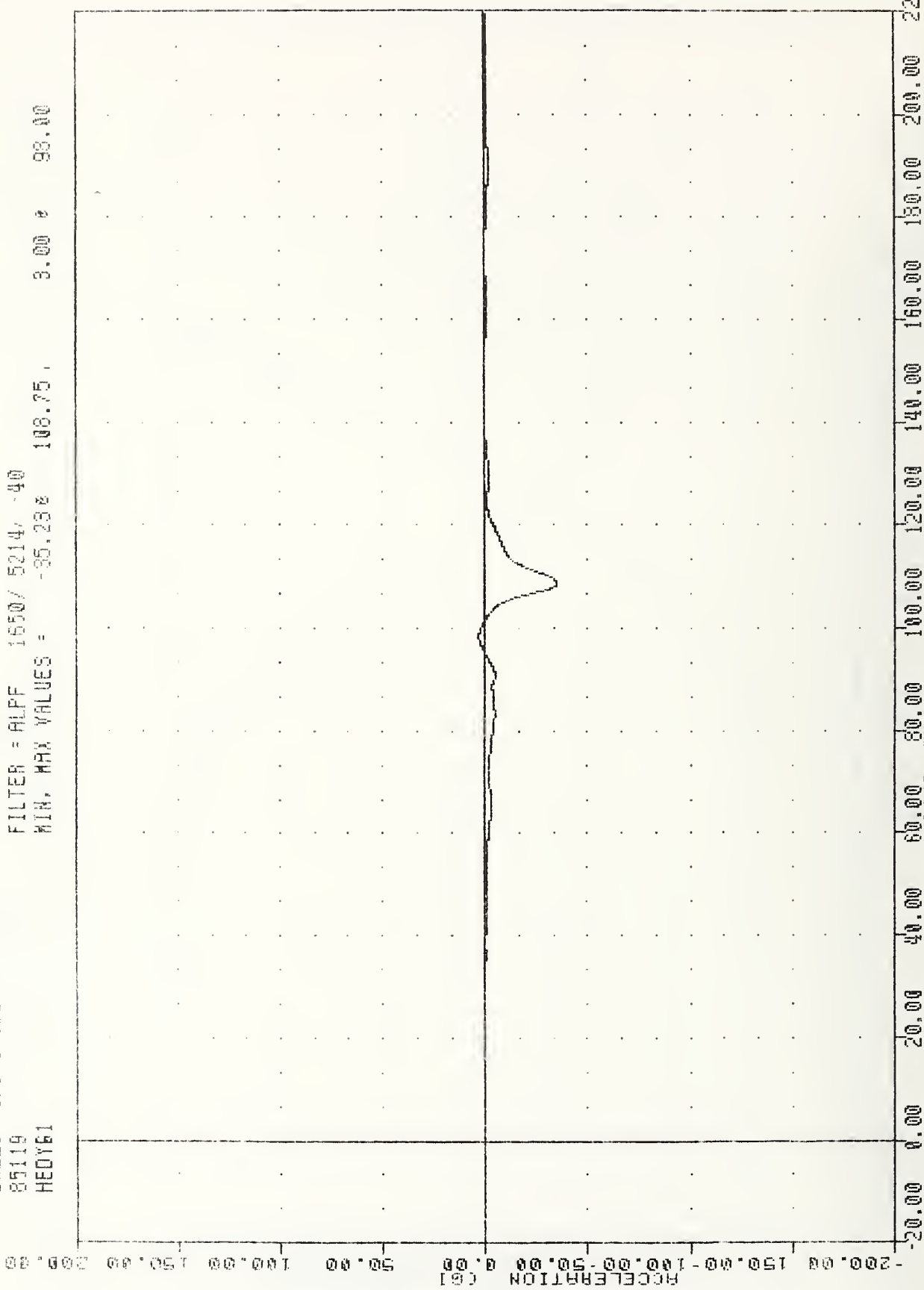
DATE: 08/24/85 TIME: 14:13:29

85119

FILTER = ALPF 1650/ 5214/ -40

HEDY61

MIN. MAX VALUES = -95.23% 108.75, 3.00 @ 98.00

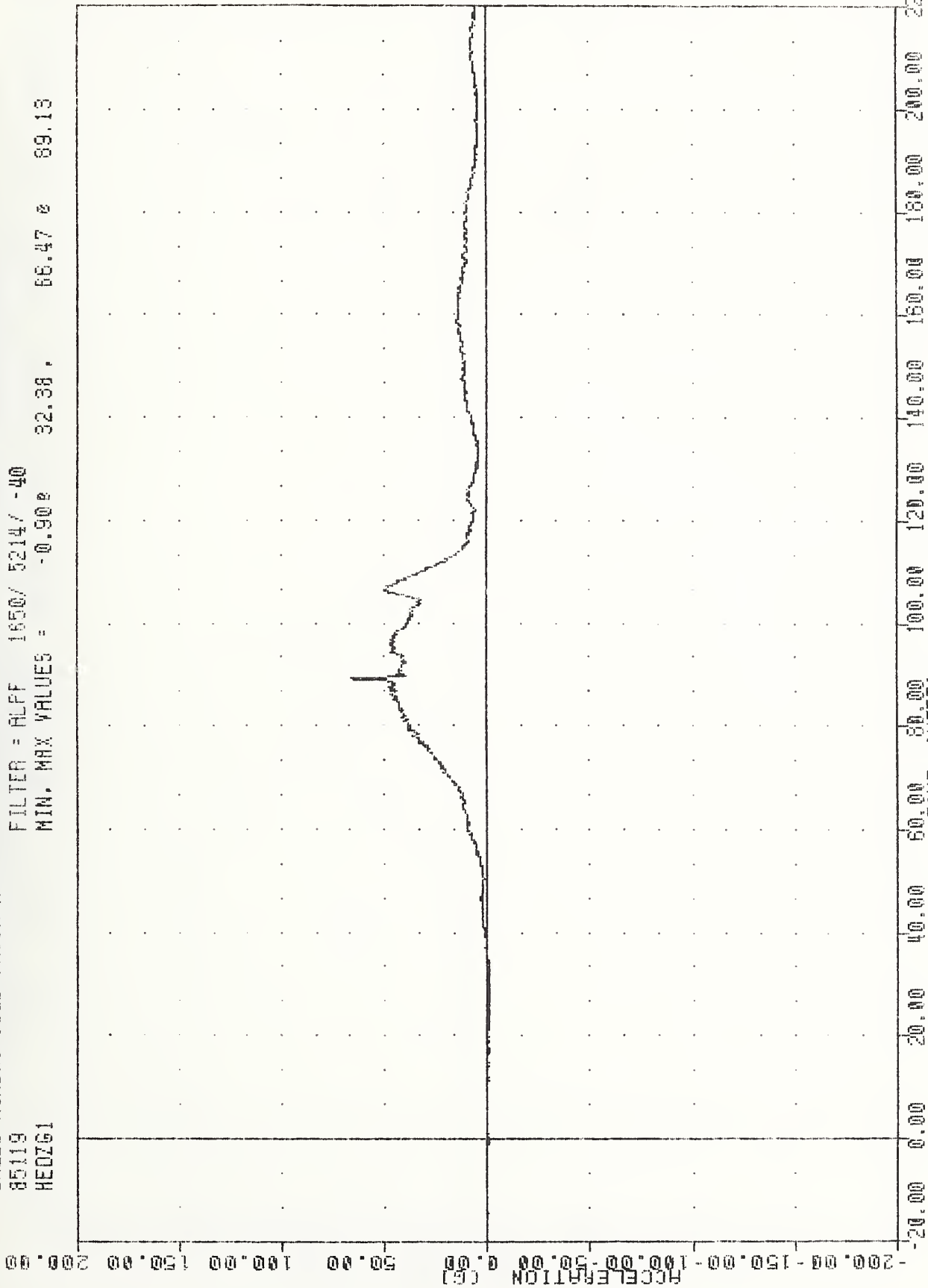


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

VRTC - R0384-4-21
BREED AIRBAG SLED PROGRAM
85119
HE0261

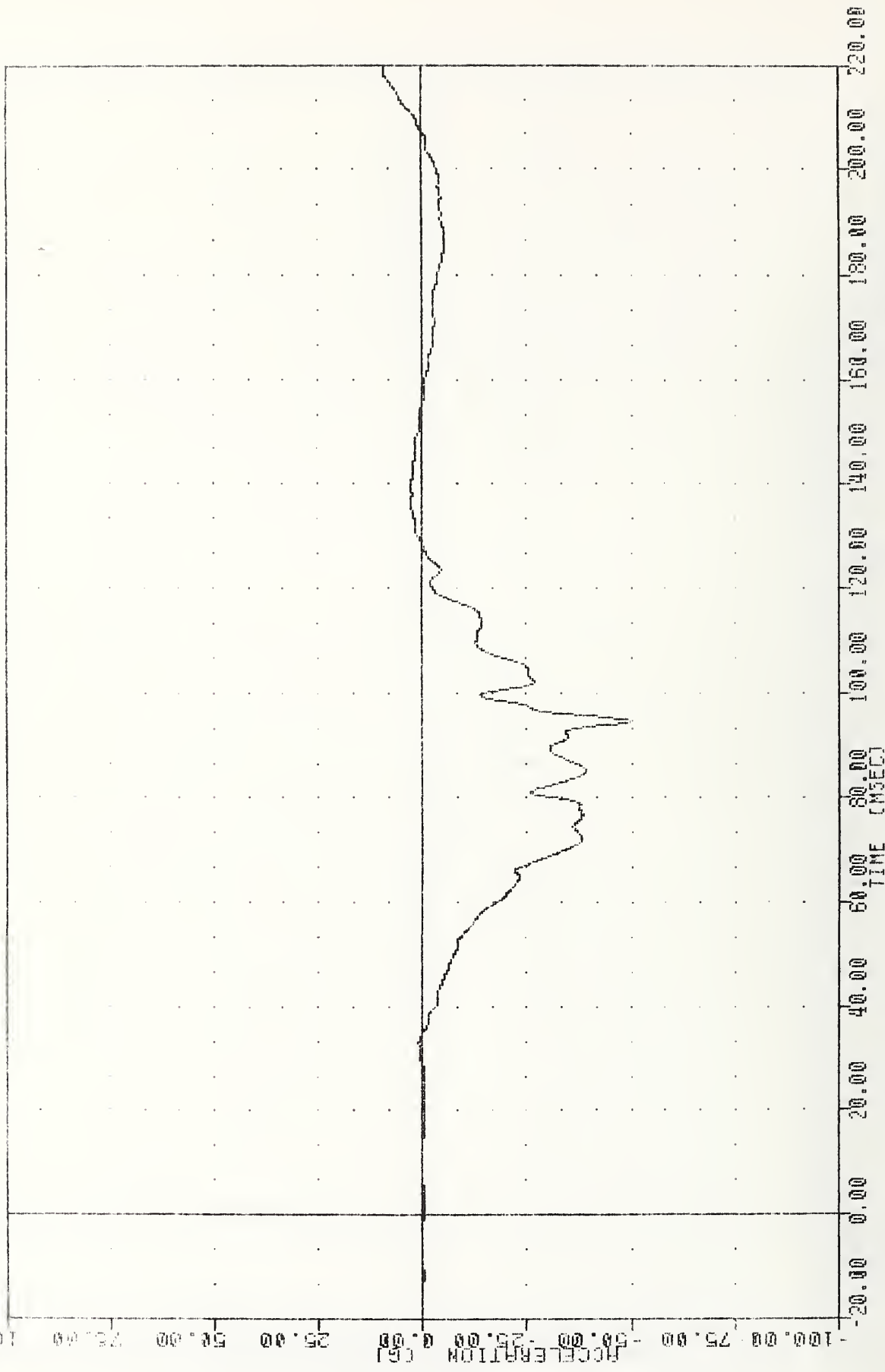
PLOT DATE 1-MAY-85 15:19:29

FILTER = RLFF 1650/ 5214/ -40
MIN. MAX VALUES = -0.90e 32.38 . 66.47 e 89.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION (G)

V51C 1-MAY-88 15:19:29
 SPEED AIRBAG SLED PROGRAM
 85119
 CSTXG1
 FILTER = BLPF 300V 949/ -40
 MIN. MAX VALUES = -50.15% 94.66% 6.39% 220.00



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VATC , R0084-4-21
BREED AIRBAG SLED PROGRAM
05119
CSTXV1

PLOT DATE 1 MAY 85 15:47:55

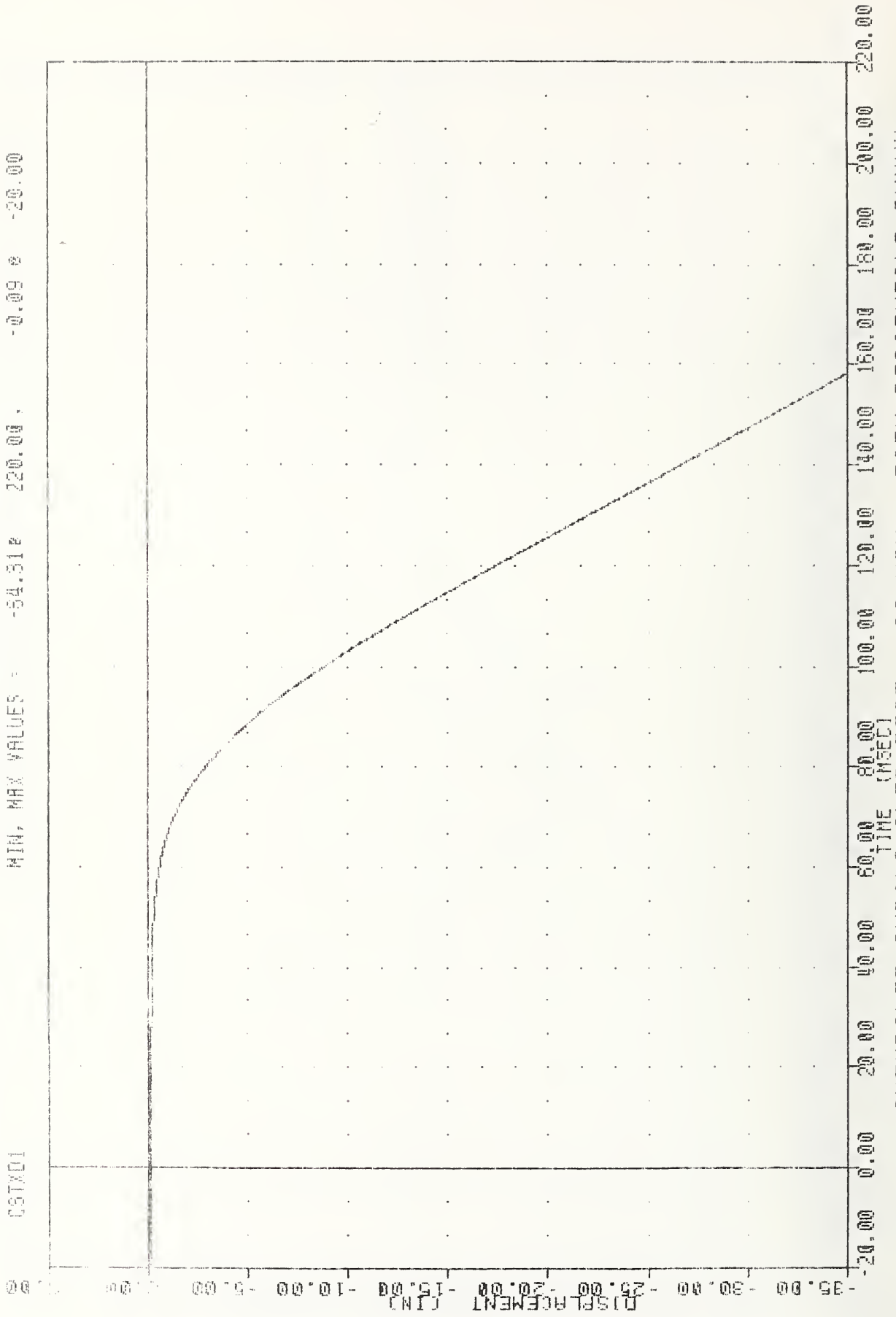
FILTER = BLFF 300/ 649/ -40

MIN. MAX VALUES = -41.04e 207.00 , -0.13 e -1.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA USING CSTXV1

YBTC 7 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
 BREED AIRBRAV SLED CRASH
 85119
 CSTXDI
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -54.31e 220.00, -0.09 e -20.00

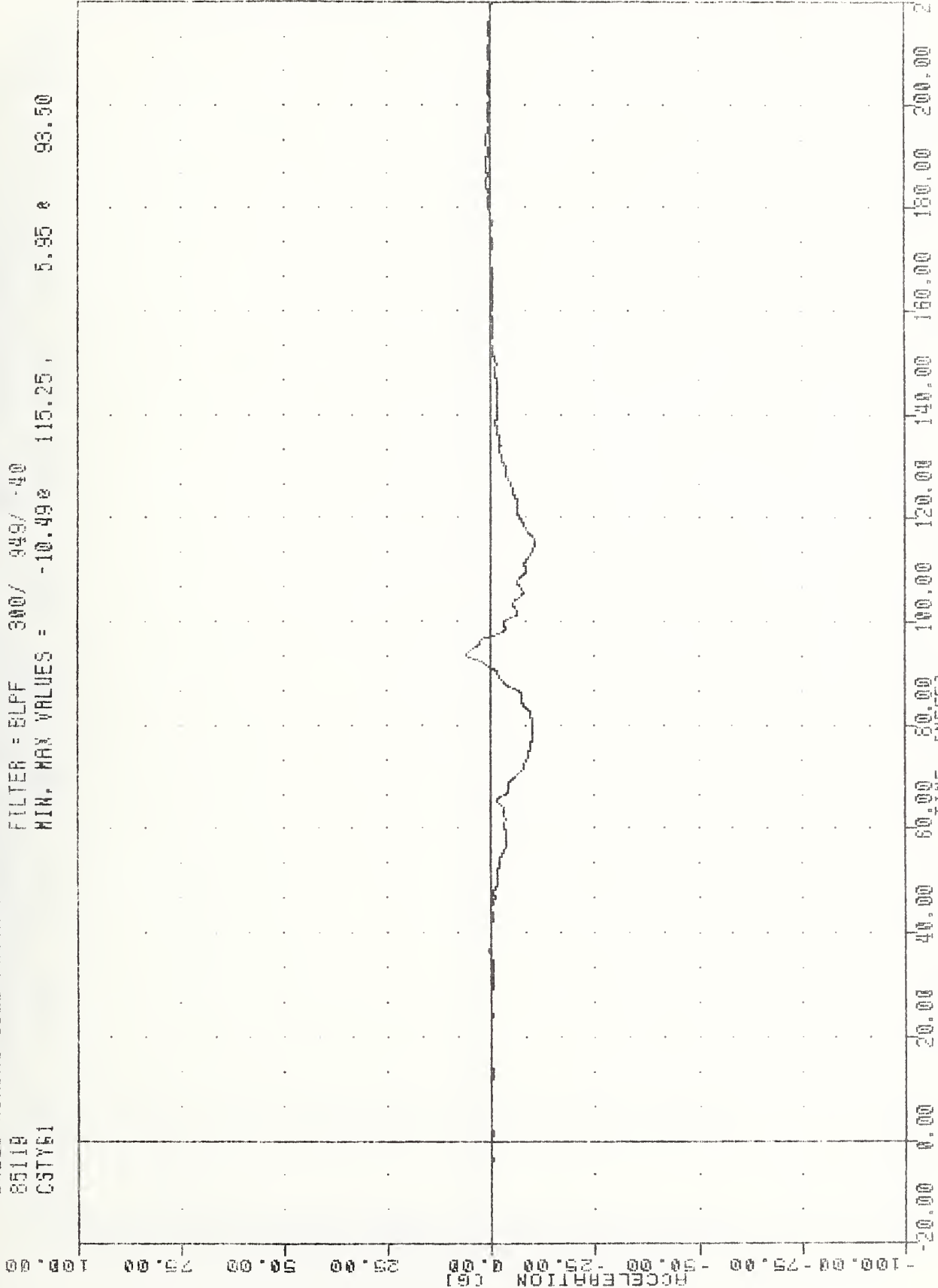


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING CSTXDI

VPTC
BREED AIRBAG SLED PROGRAM
85119
CSTY61

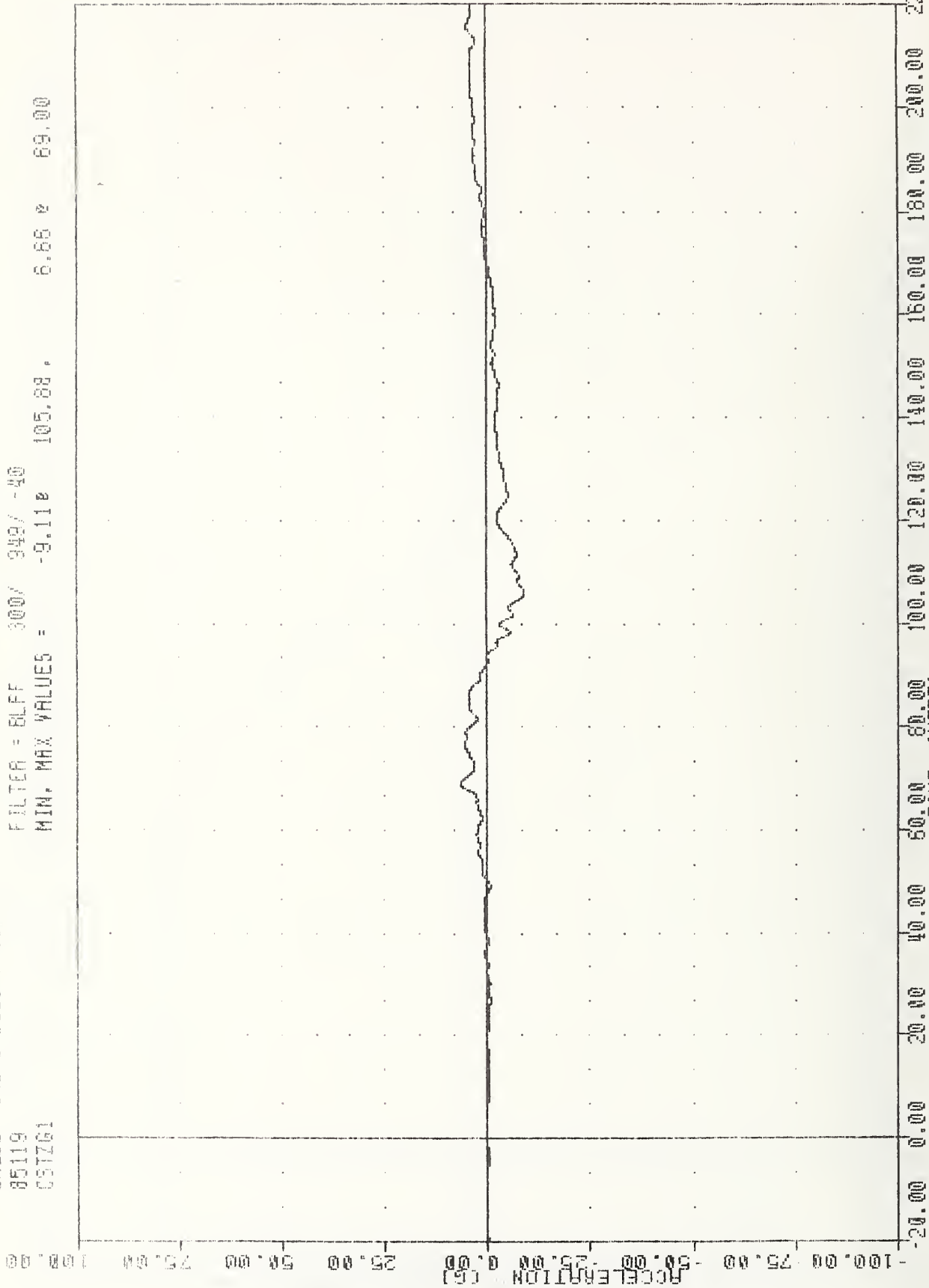
PLOT DATE 1-MAY-85 15:19:29

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -10.998 115.25 5.95 e 93.50



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
RIBBER CHEST ACCELERATION - 93.50

WRITE : 30.000000
 BREED AIRBAG SLEG PROGRAM
 85119
 CSTZG1
 RUN DATE : 15.11.88
 FILTER = BLFF 300/ 942/ -40
 MIN. MAX VALUES = -9.110 105.88, 6.66 e 69.00



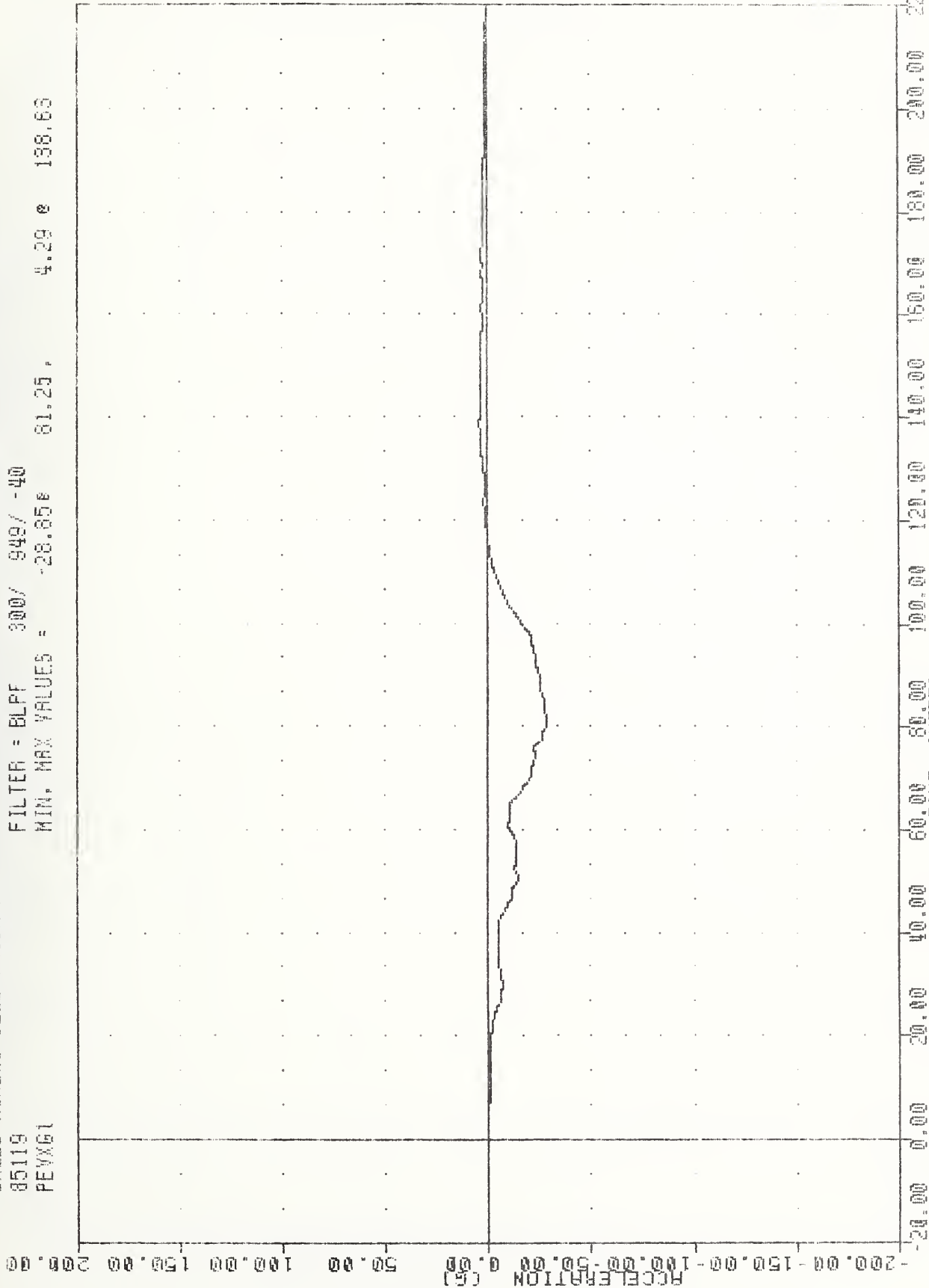
CHEVROLET IMPALA BLEED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-21
BREED AIRBAG SLED PROGRAM
85119
PEVXG1

PLOT DATE 1-MAY-85 15:19:29

FILTER = BLPF 300/ 849/ -40

MIN. MAX VALUES = -28.856 81.25, 4.29 e 138.63



363

CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION ANALYSIS

VRTC
SPEED IMPALA SLED PROGRAM
85119
PEVXV1

PLANT DATE

FILTER = CLFF 300 / 949 / -10
MIN. MAX VALUES = -27.77 115.88 0.01 10.75

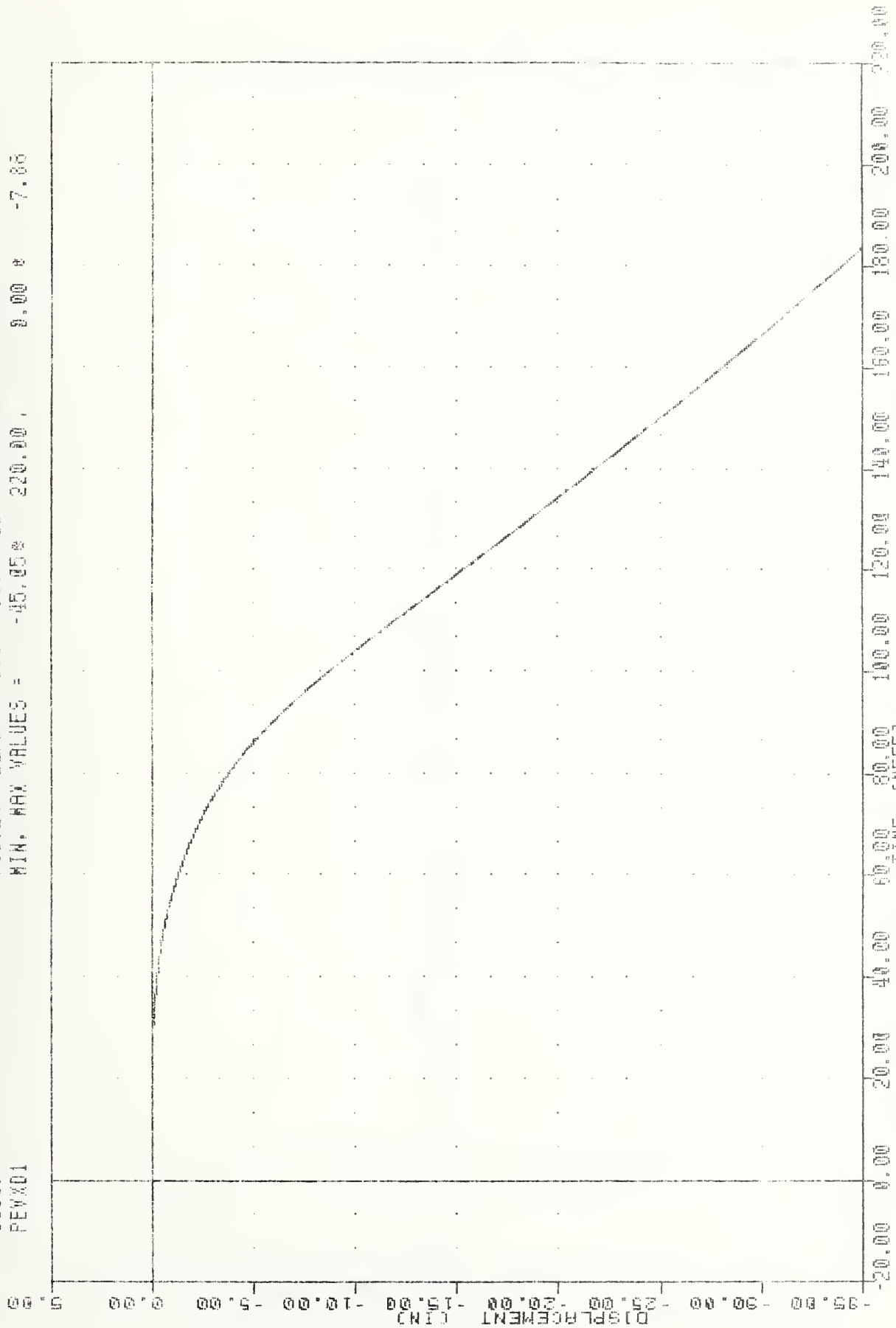


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXV1

WATC
BRESO ATARRA BLEO PROGRAM
8911R
PEVX01

PLT DATE 1-MAY-60 10:47:55

FILTER = BLFF 300/ 349/ -40
MIN. MAX VALUES = -45.05% 220.00 , 9.00 * -7.86



CHEVROLET IMPALA BLEO TEST - 30 MPH - 50TH PERCENTILE DUMMY
DATA USING PEVX01

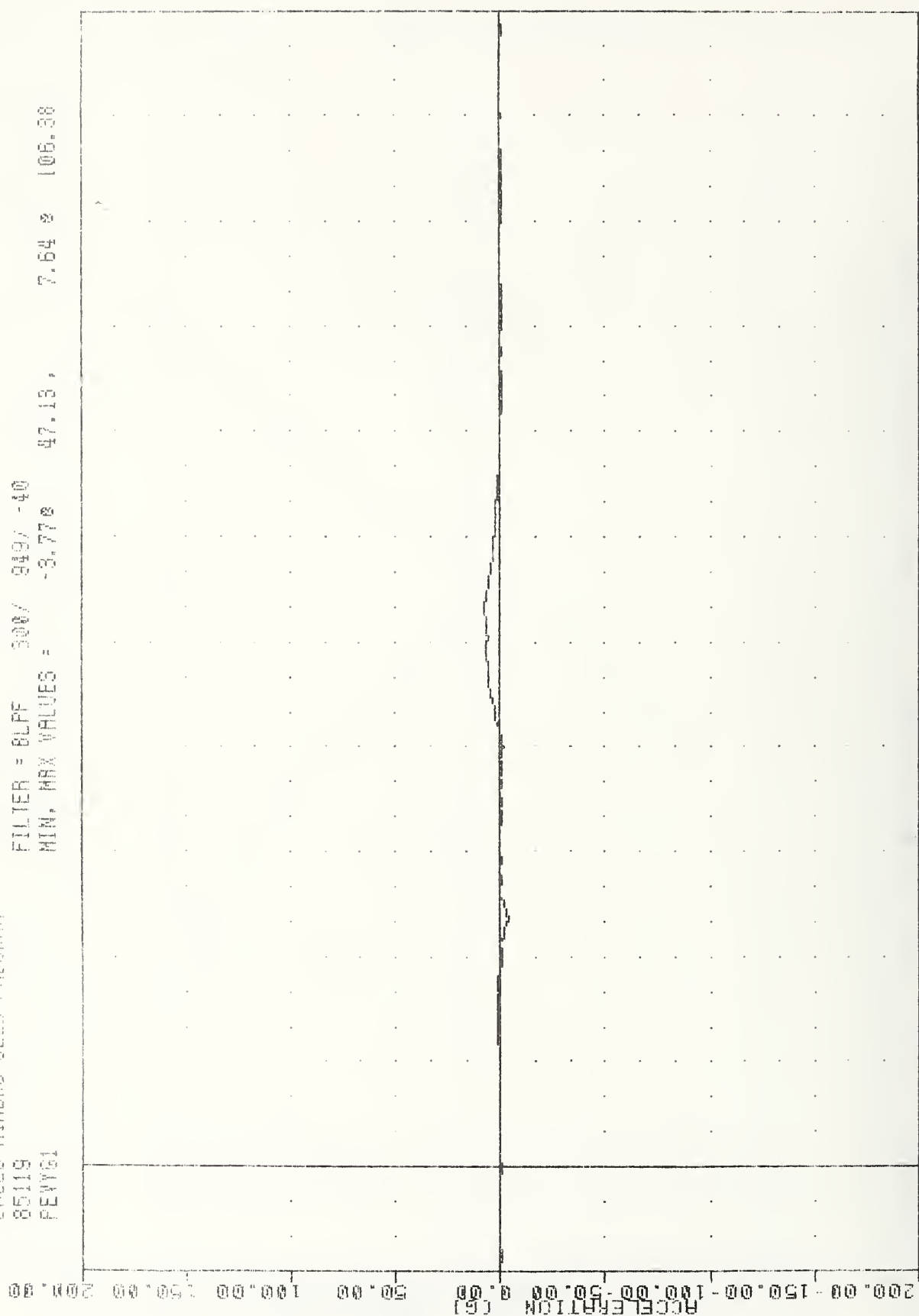
WRITE TO PLOT DATE 11/11/88 11:00:00

SPEED AIRBAG SLED PROGRAM

FILTER = 6LFF 300/ 949/ -40

MIN. MAX VALUES = -3.778 47.13 7.54 106.38

PEV161

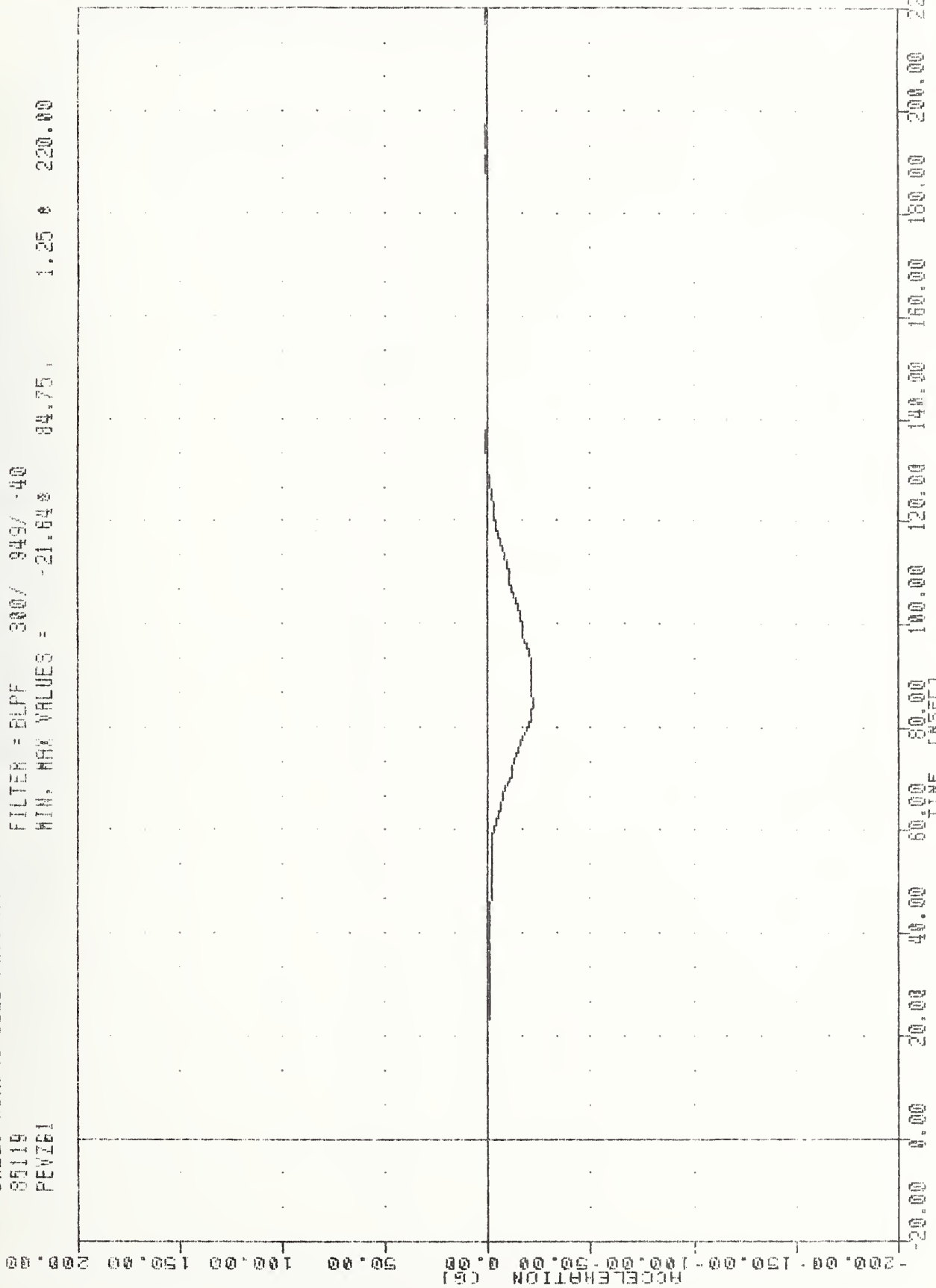


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

WATC . R0384-4-21
 BREED AIRBAG SLED PROGRAM
 85119
 PEVZEL

PLOT DATE = 1-MAY-80 15:19:22

FILTER = BLPF 300/ 849/ 40
 MIN. MAX VALUES = -21.648 84.75 1.25 220.00

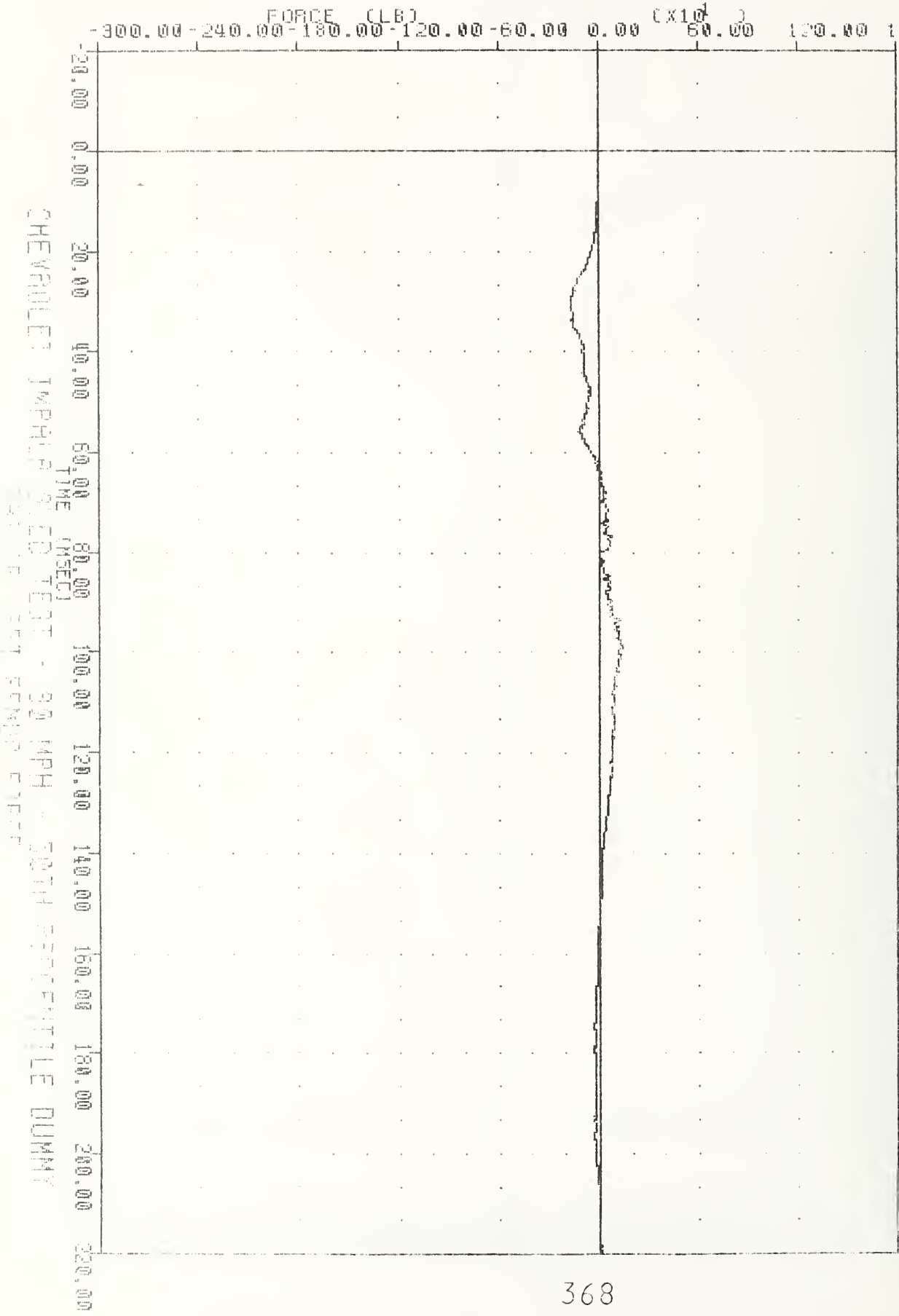


CHEVROLET IMPALO SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER SEATED - SECTION 1 - 15:19:22

VRTIC
 BREED AIRBAG SLED PROGRAM
 85119
 LFMF1

* 80884-4-21
 PLOT DATE 1-MAR-85 15:19:29
 FILTER = 5LPI
 1000/ 3162/ -40
 MIN, MAX VALUES = -169.61 29.63

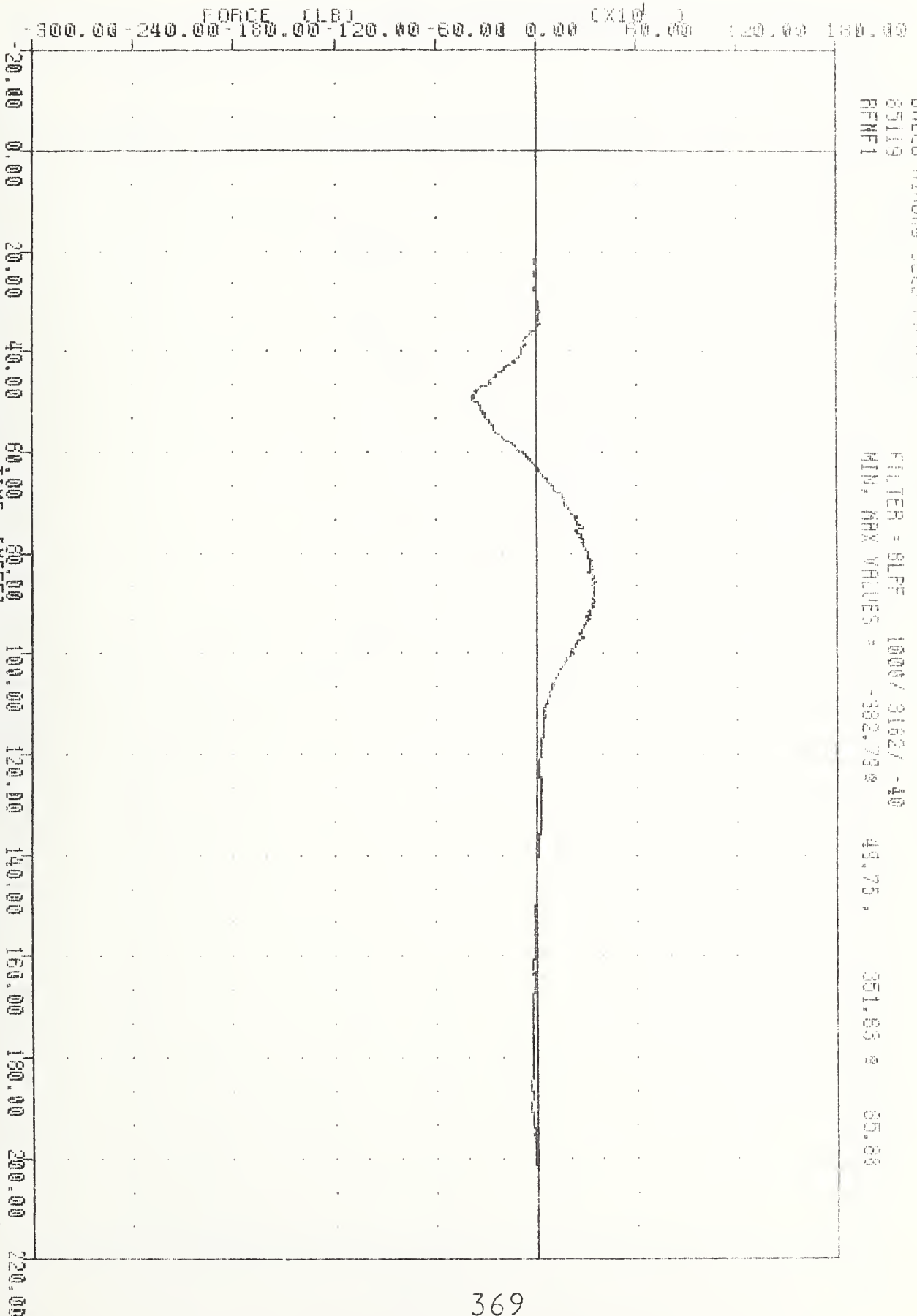
147.52 * 98.75



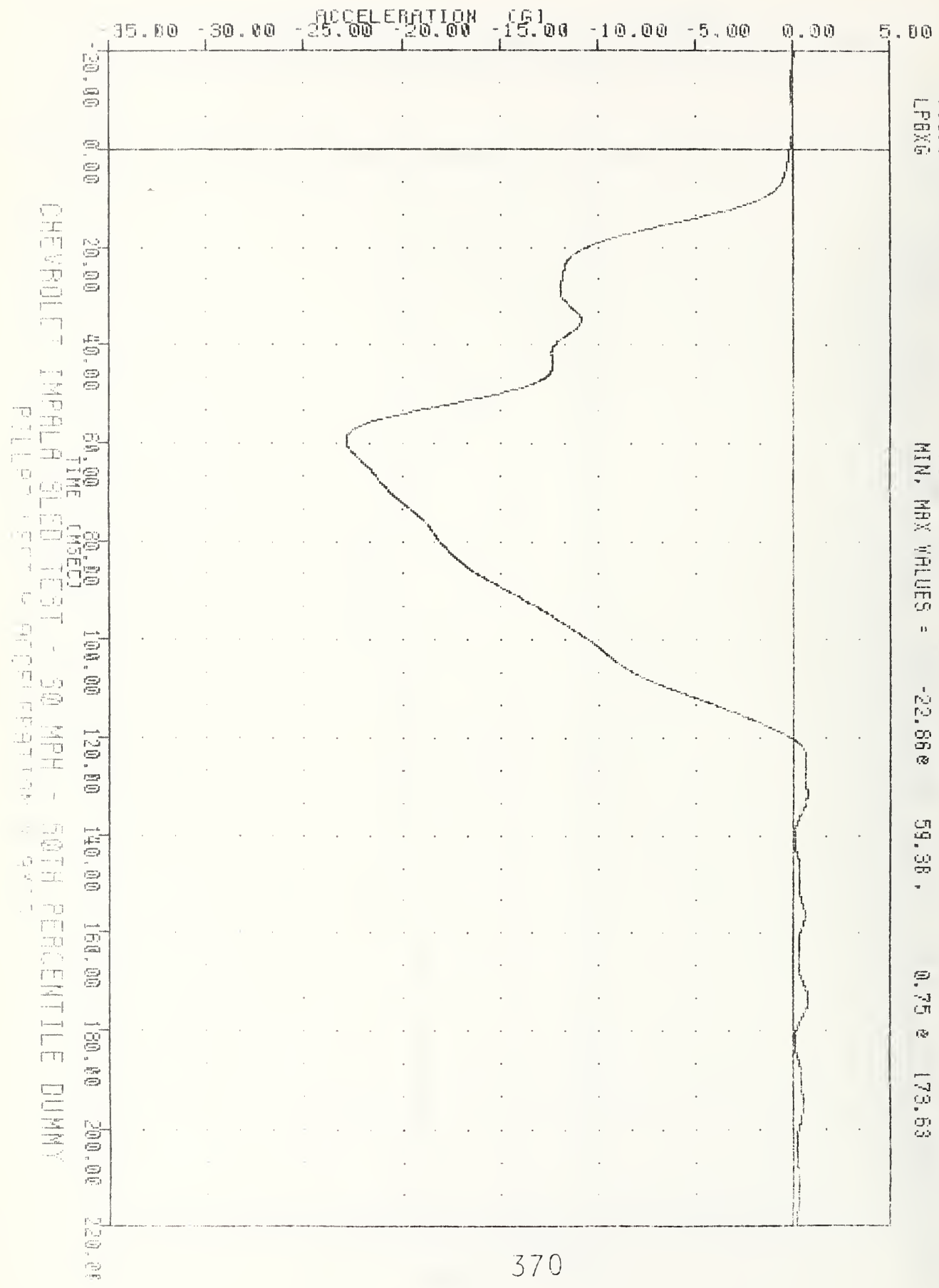
0910
 BREED AIRBORNE SLED PERFORMANCE
 05119
 RPNF1

150104 1011 1000/3162/40
 1981-05 1013105
 FILTER = 6LFF 1000/3162/40
 MIN, MAX VALUES = -382.798 45.75

351.65 2 85.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE



VRTG : F0384-4-11
 SPEED AIRSAG SLED PROGRAM
 85119
 LPBX6

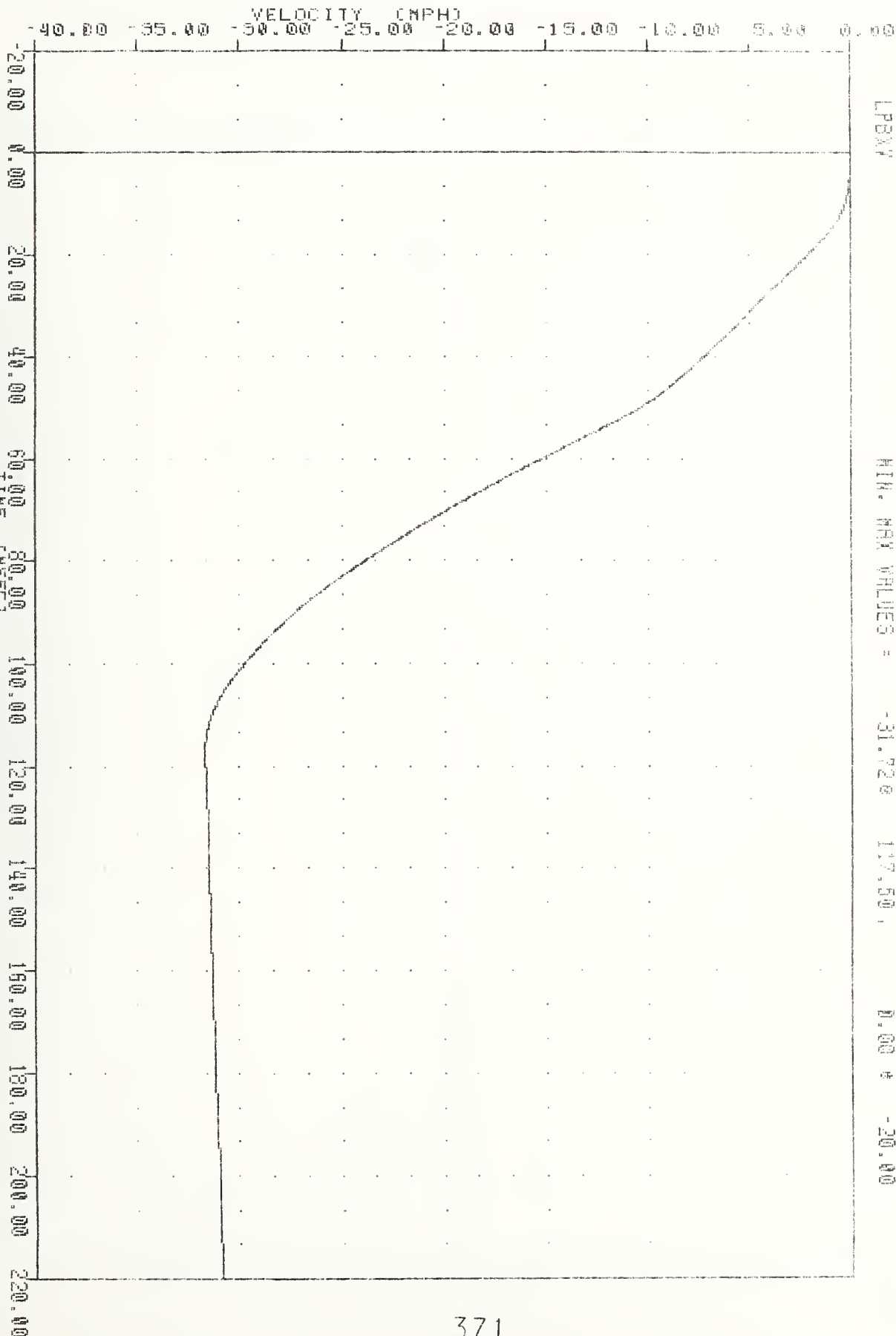
FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = -22.86 g 59.38 g

0.75 g 173.63

WRTC
BREED AIRSEA sled program
05119
LPBX

1.51.0078
1.001.00
0547195

FILTER = SLPF 3ND / 9497.40
MIN. MAX VALUES = -31.72g 117.50
0.00 + -20.00

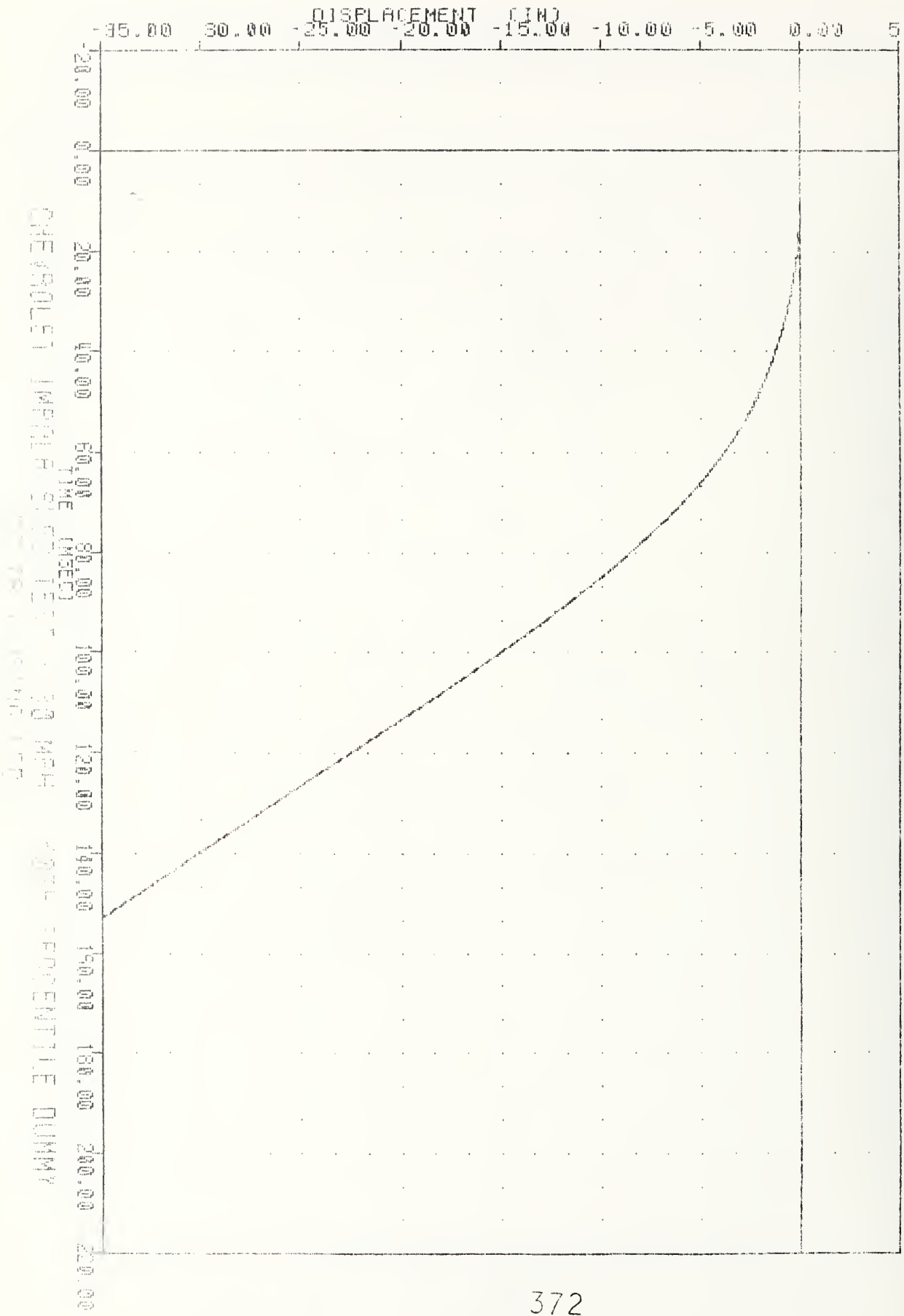


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBX

TEST REPORT
 BREED AIRBAG SLED PROGRAM
 85119
 LFBXD

TEST DATE 1-481-69 13122295
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -60.00 @ 220.00 ,

0.00 @ -18.75

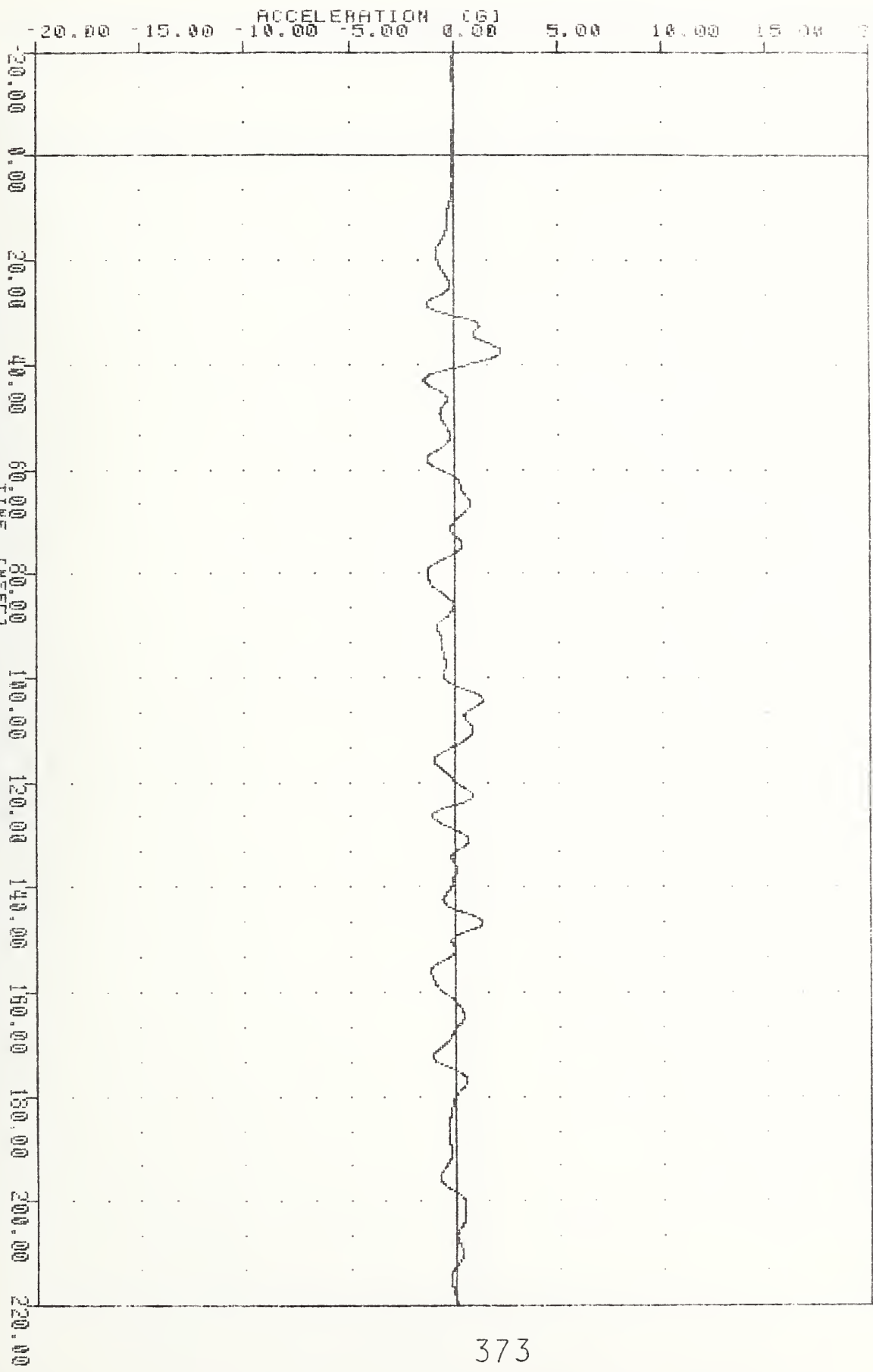


CHEVROLET IMPULS 97 COTLET 130 MPH 2074 FRONT/REAR DUMMY
 751 10000 175

V810
 BREED RIMMERS FIELD PROGRAM
 85119
 LPBYB

PLANT DATE 1 APR 97 15:15:29
 FILTER = BLPF 100/ 316/ .40
 MIN. MAX VALUES = -1.92 43.80

2.29 * 37.50

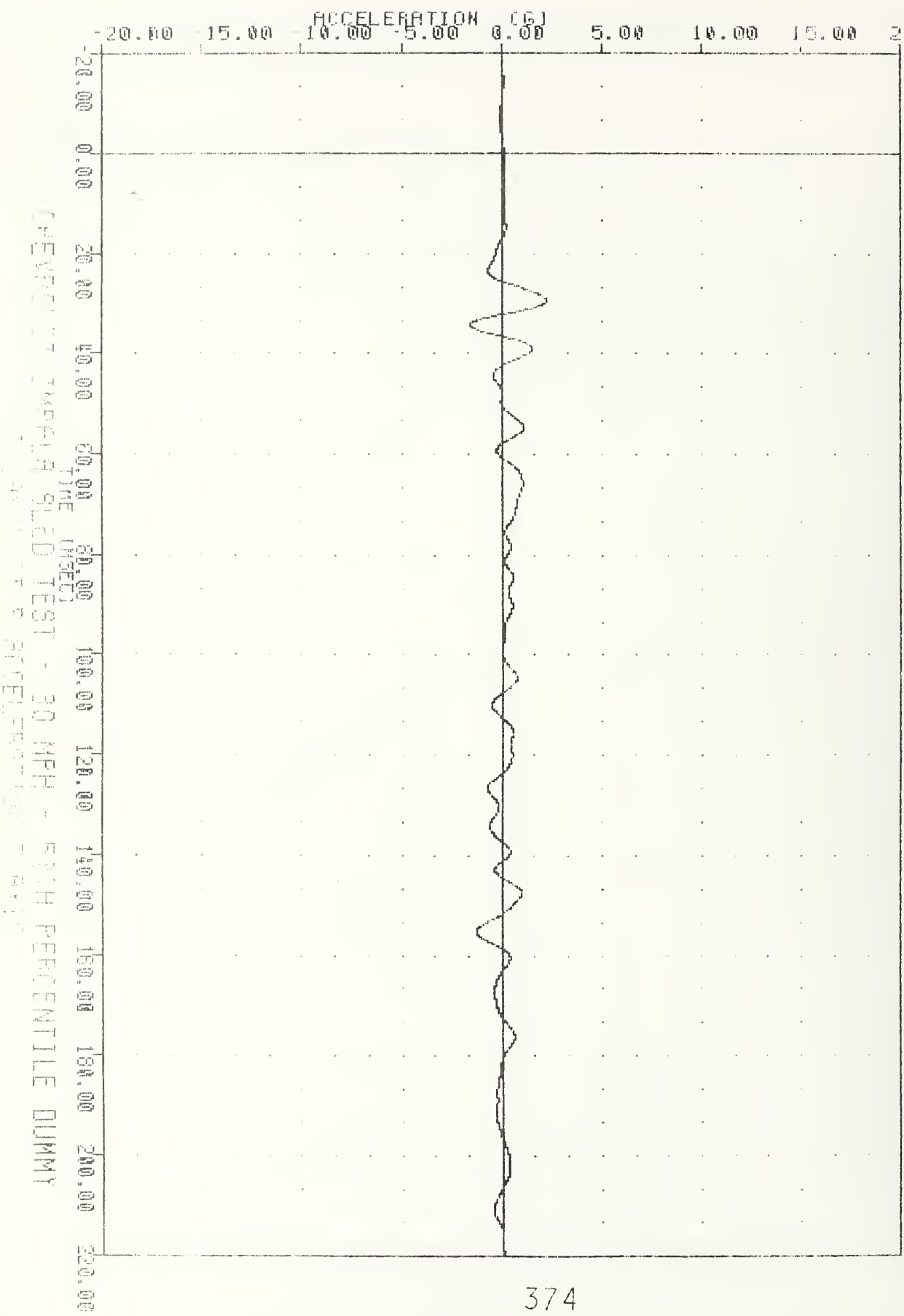


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION Y AXIS

V910
 89000 AIRSAG BLEED PROGRAM
 85119
 LP826

FLOT 0911 1 087-35 10:19:29
 FILTER = 8LPT 100/ 316/ -40
 MIN. MAX VALUES = -1.55e 34.25

2.25 * 29.38

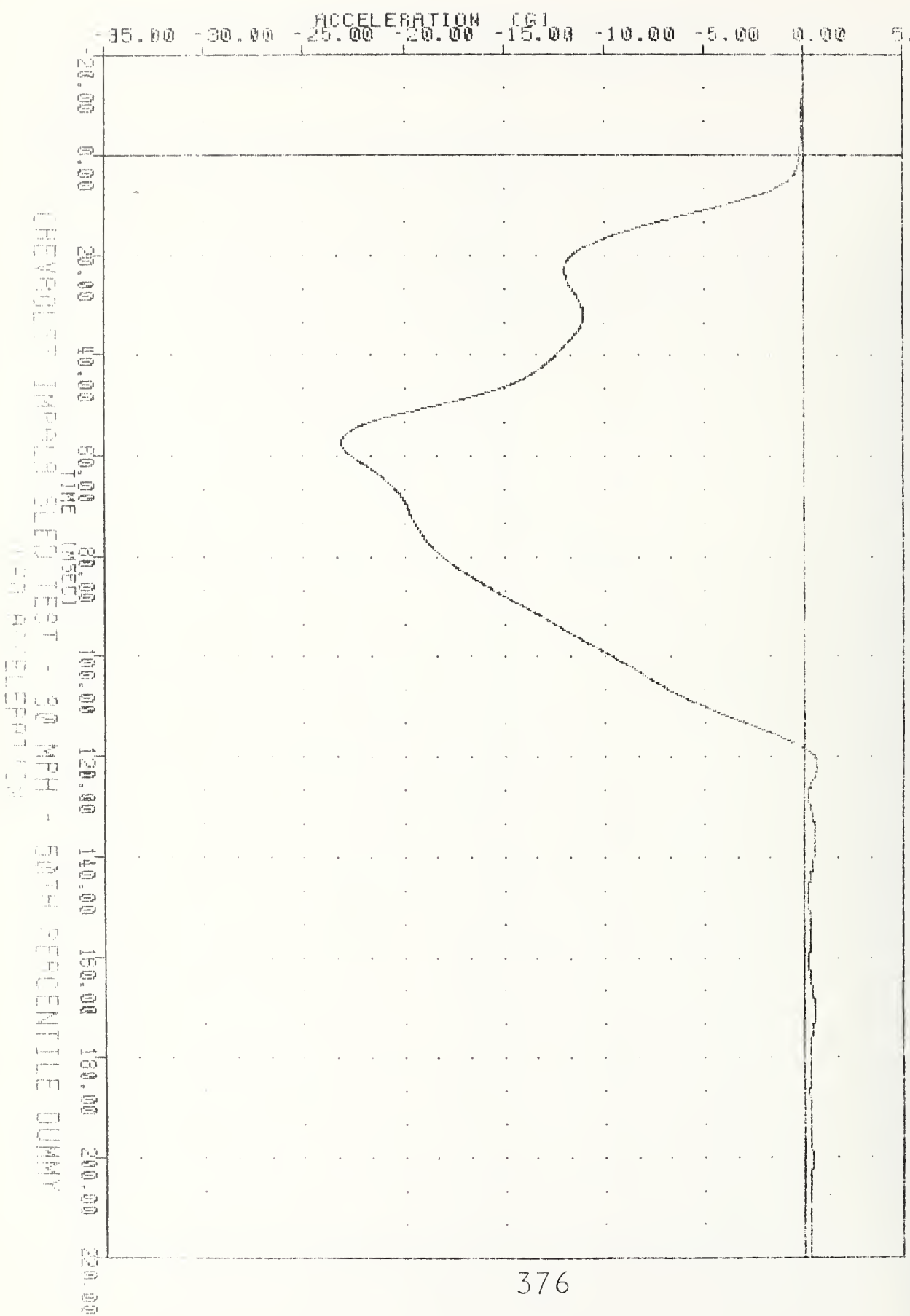


CHEVROLET IMPALA BLEED TEST - 30 MPH - 50% H PERCENTILE DUMMY

85119
 BREED AIRBAG SLED PROGRAM
 SLODYG

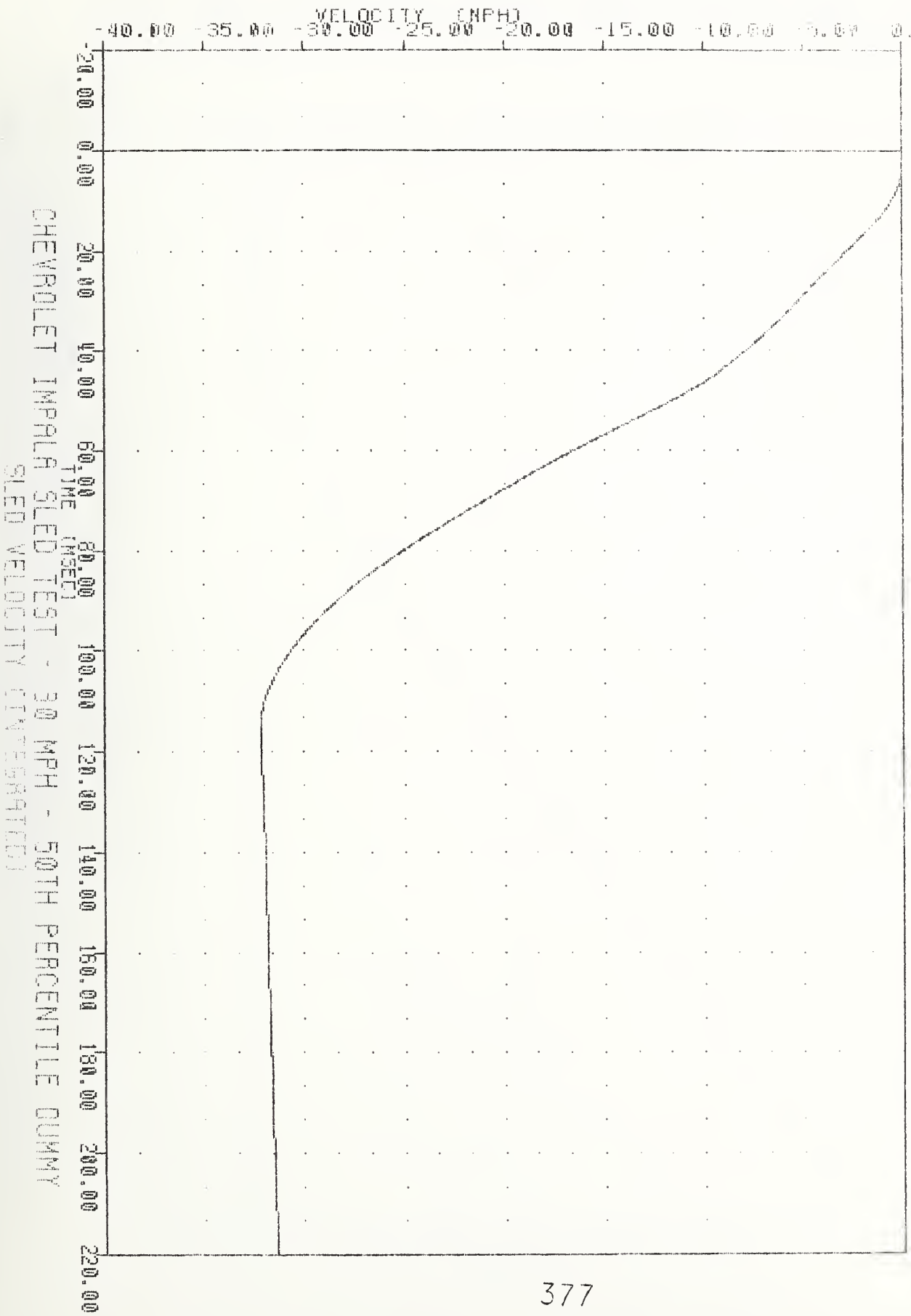
15819109
 FILTER = 8LPT 100/ 318/ -40
 MIN, MAX VALUES = -23.13 57.25

0.85 121.50

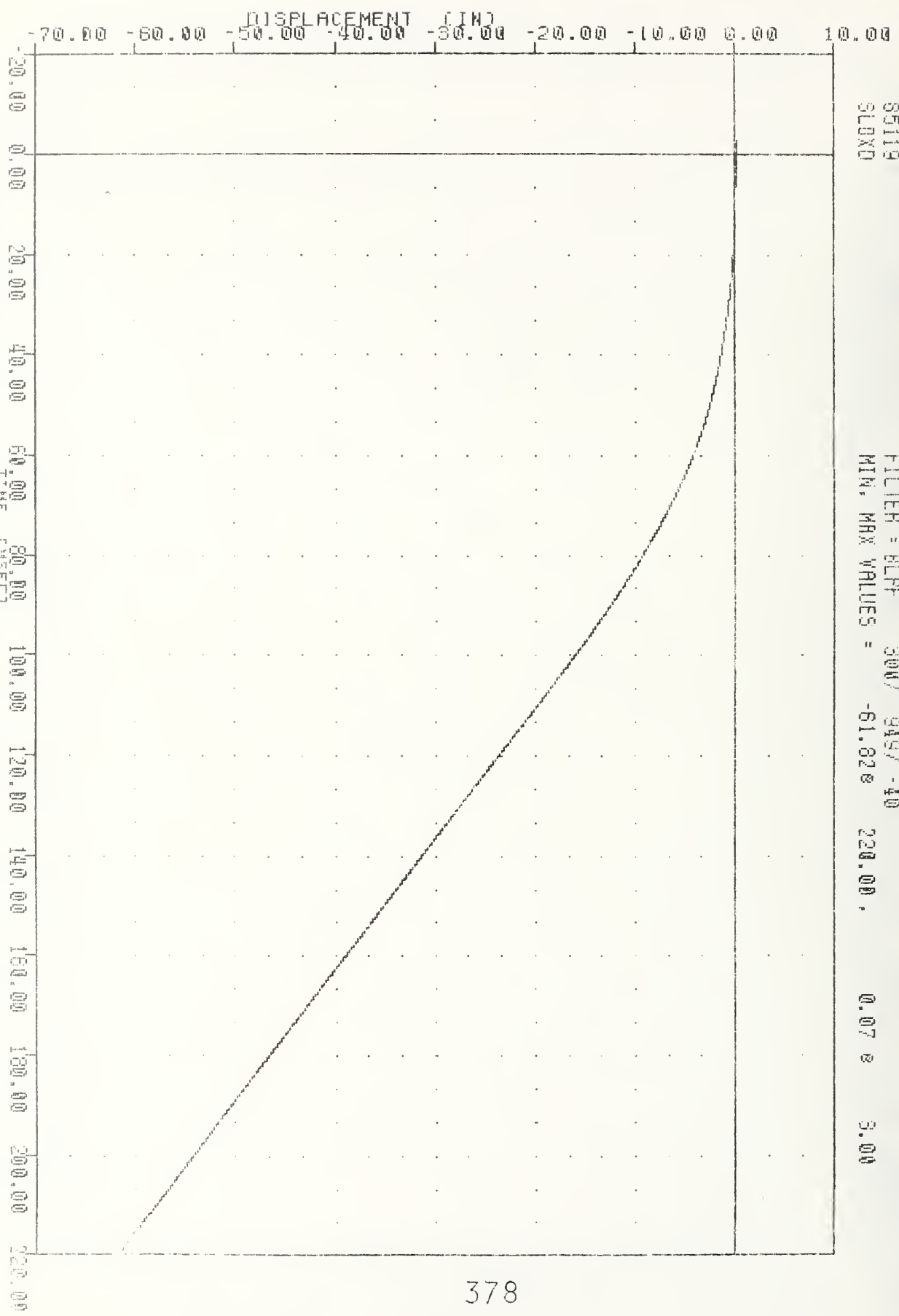


CHEVROLET IMPACT SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 WEN ACCELERATION

1987
 BREED AIRWAYS 6450 7905867
 SLOWVI
 PLOT DATE 1-MAR-85 10:41:05
 FILTER = ELPF 300/ 949/ -40
 MIN, MAX VALUES = -52.208 115.63, 0.038 -20.00



CHEVROLET IMPALTA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY



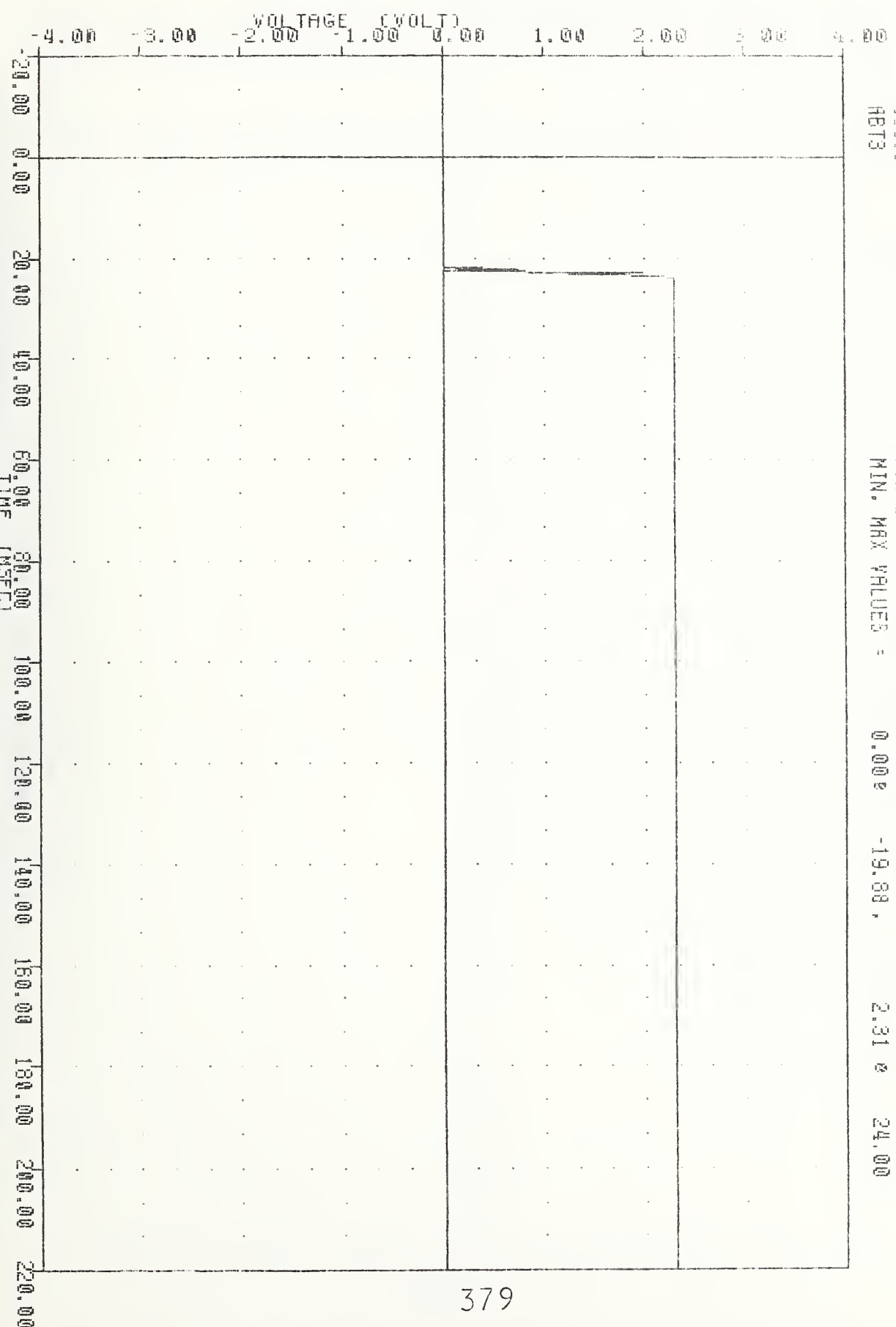
VR10
 BREED AIRBAG SLED PROGRAM
 85119
 SLDX0

FD0984-4-21
 PLOT DATE 1-MAY-86 15:47:35
 FILTER = 8LRF 300/ 949/ -10
 MIN, MAX VALUES = -61.828 220.00

0.078 3.00

1971
 BREED HIRSH BLEED PROGRAM
 85119
 HBTS

1971-04-21
 15:19:29
 FILTER = ALPF 1650/5214/-40
 MIN. MAX VALUES = 0.00e -19.88 , 2.31 e 24.00

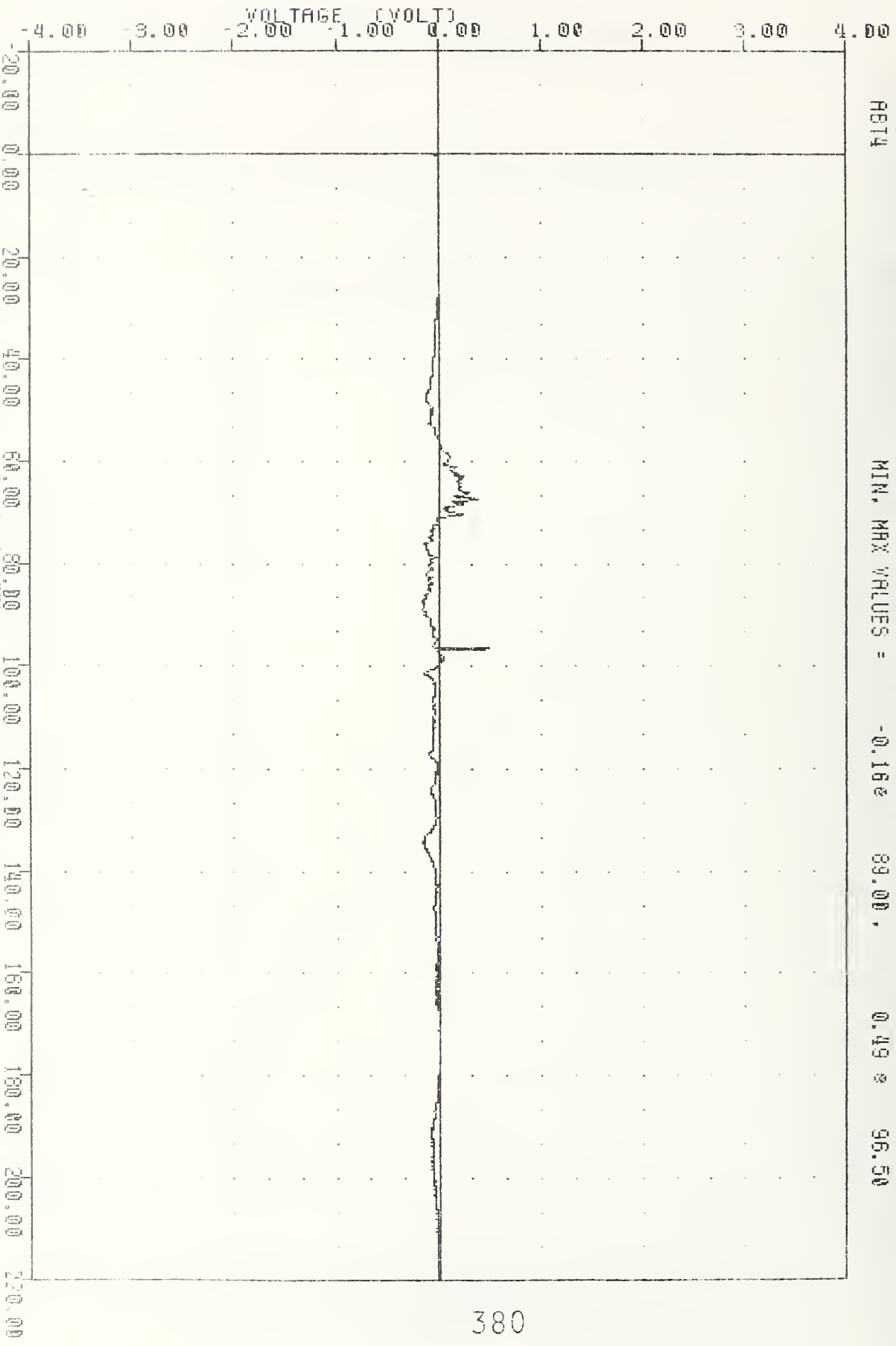


CHEVROLET IMPALA BLEED TEST - 80 MPH - 50TH PERCENTILE DUMMY
 BREED B-PILLER SENSOR

WRID
 BREED AIRBAG SLED PROGRAM
 85119
 R614

* R0584-4-71
 FLOT DATE 1-MAY-85 15:19:29
 FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -0.16e 89.00

0.49 e 96.50

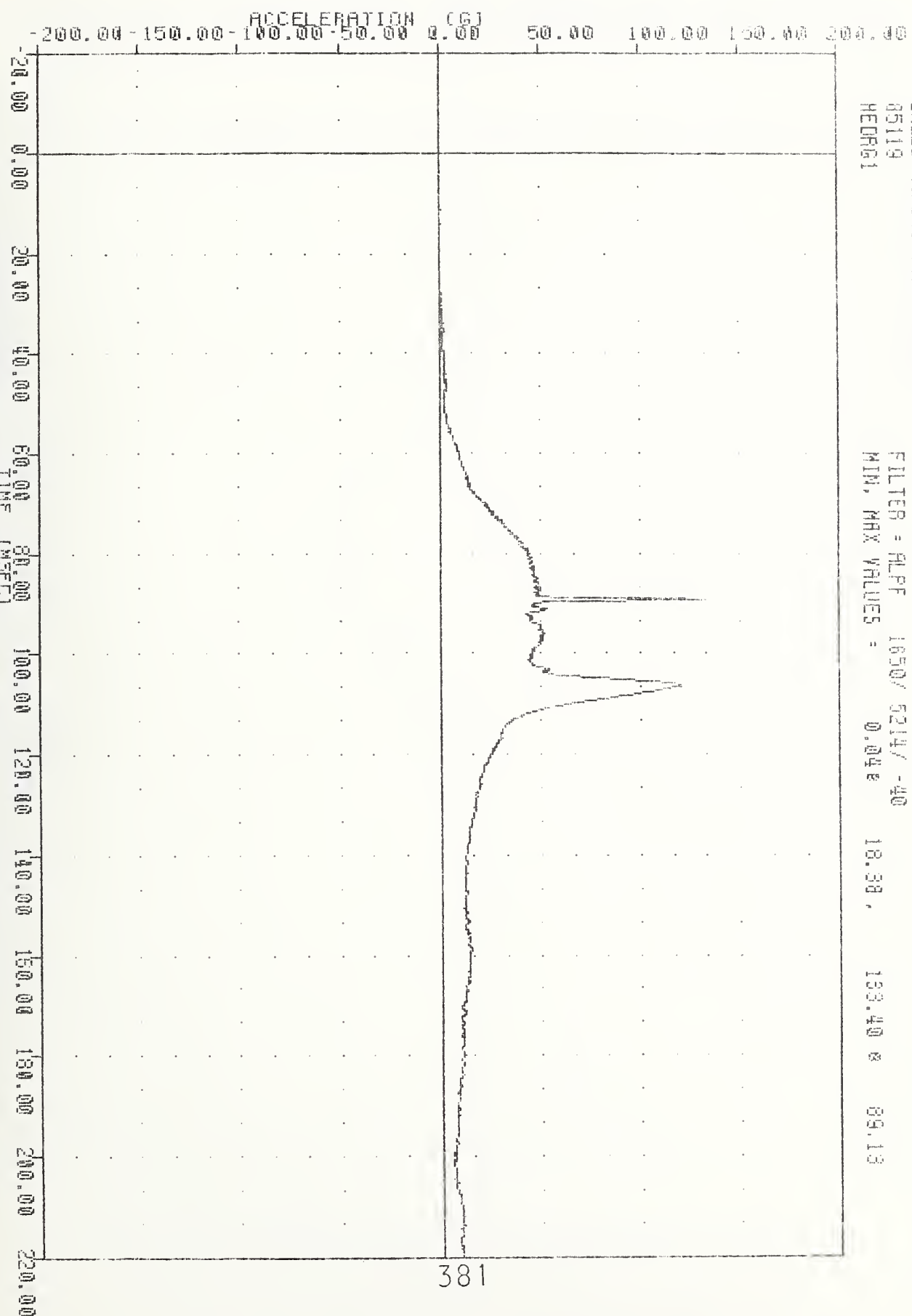


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 KNEE CONTACT

WRITE
BREED AIRBAG SLED IN CABIN
05119
HEAD01

FILTER = ALPF 1650/5214/-40
MIN, MAX VALUES = 0.04e 18.38

18.38 133.40 89.13

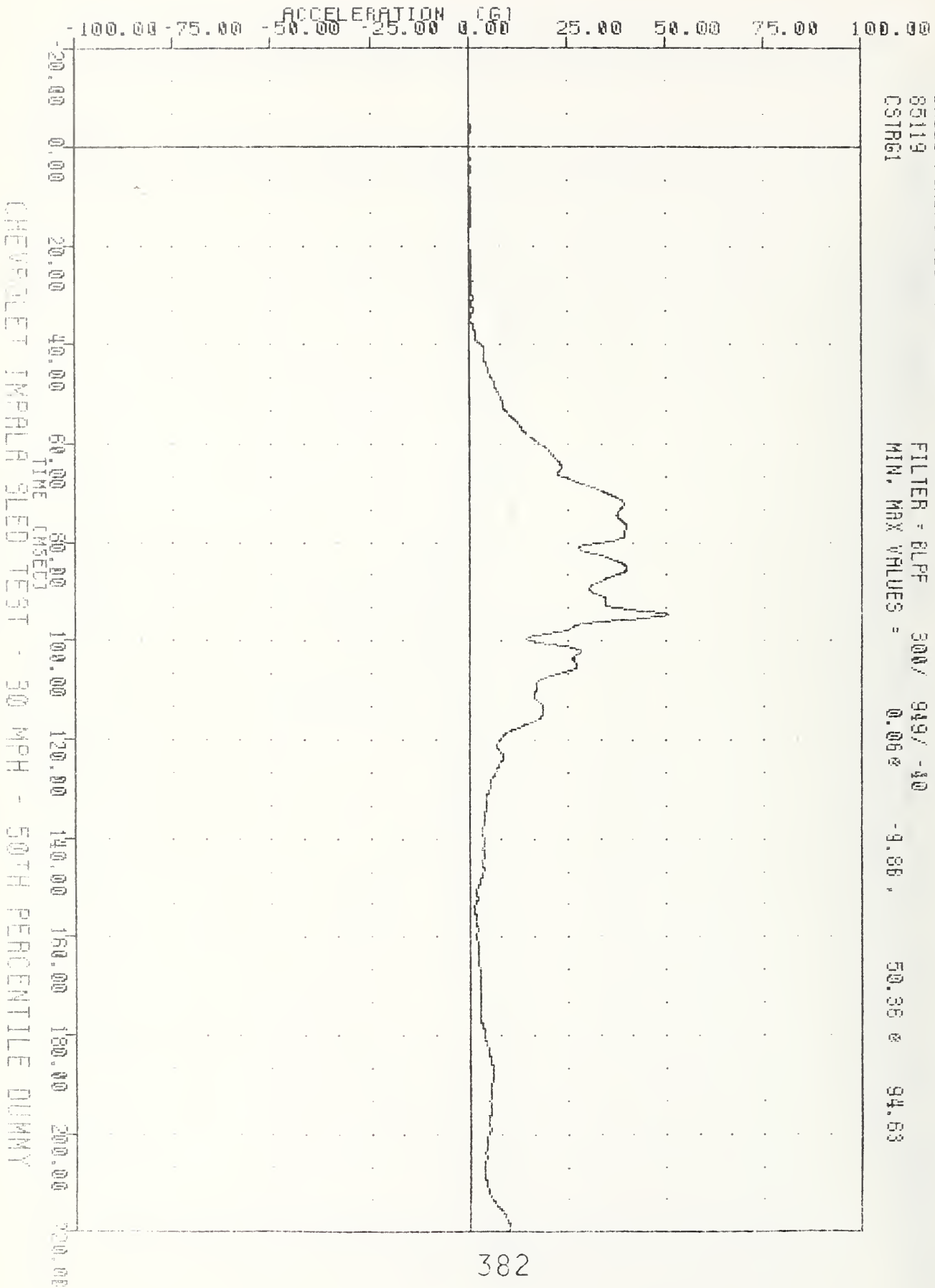


CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

UNIT : 50324-9-21
 BREED AIRBRS SLED PROGRAM
 85119
 CSTR61

PLOT DATE : 1-MAY-65 15:25:18
 FILTER = BLPF 300/ 949/ -10
 MIN, MAX VALUES = 0.06% -9.86%

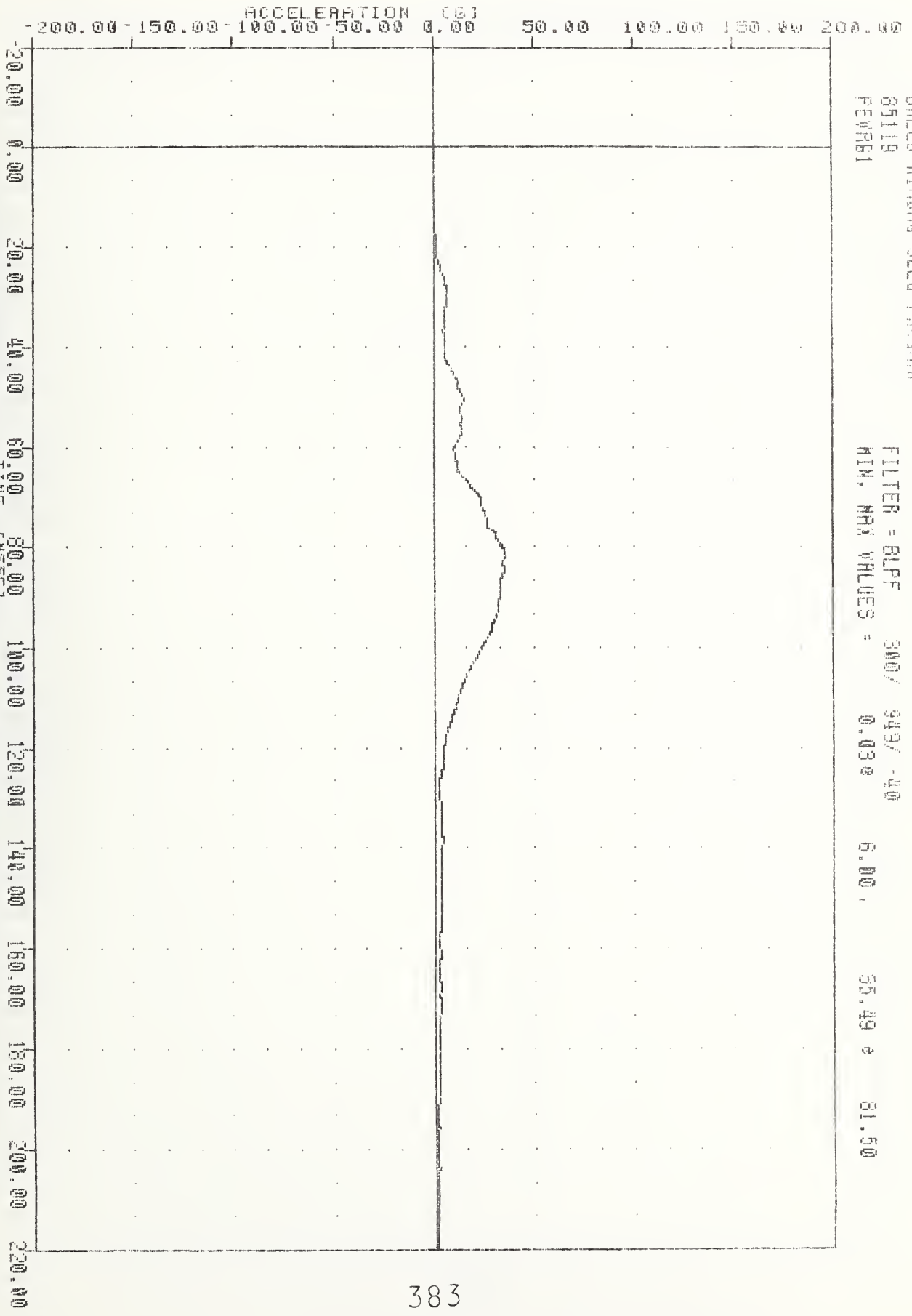
50.36% 94.53



VRTC
 BREED RIBBON SLED PROGRAM
 85119
 FEWRB1

R0384-4
 FILTER = 8LFF
 MIN. MAX VALUES =

1-497-95
 5:25:16
 300 / 943 / -40
 0.030
 5.00
 55.49
 81.50

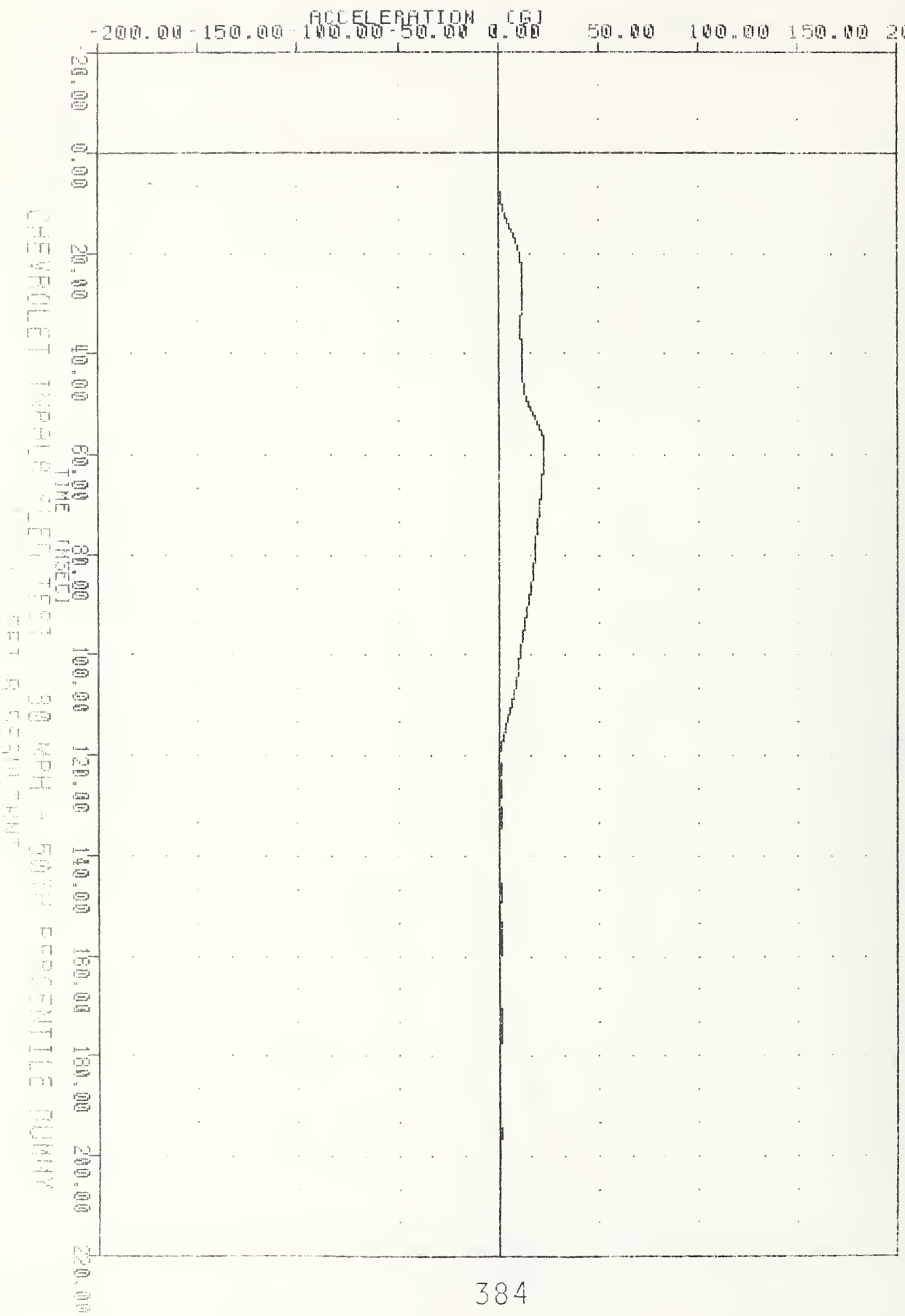


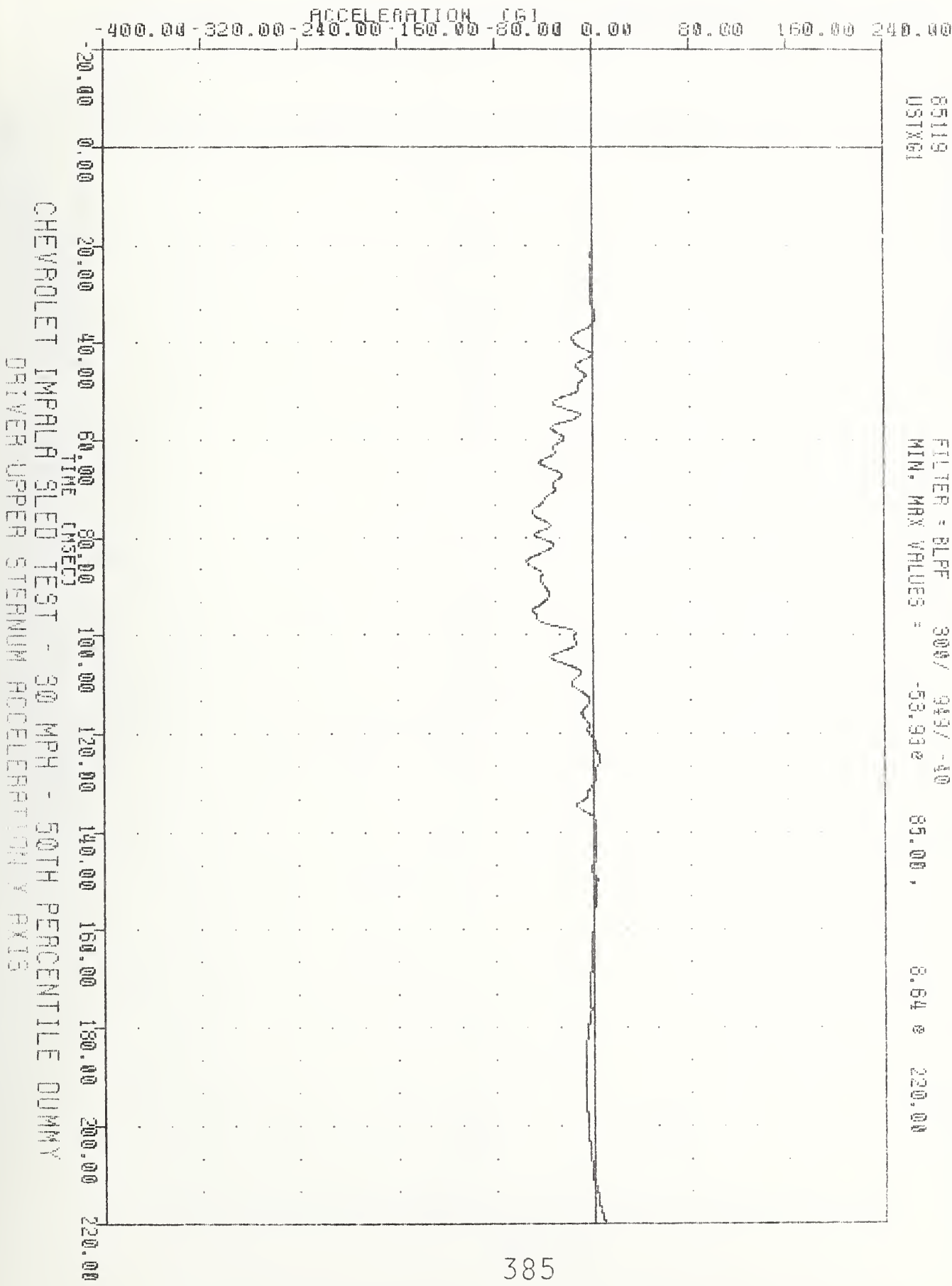
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

VRTIC
 BREED AIRBRG SLED PROGRAM
 85119
 LPBRG

* 80384-4-21
 PLOT DATE 1-MAY-85 15:25:18
 FILTER = 6LFF 100/ 316/ -40
 MIN. MAX VALUES = 0.06g -18.75,

22.89 g 59.25





VPIC
 ØREED AIRBAG SLED PROGRAM
 85119
 USTXG1

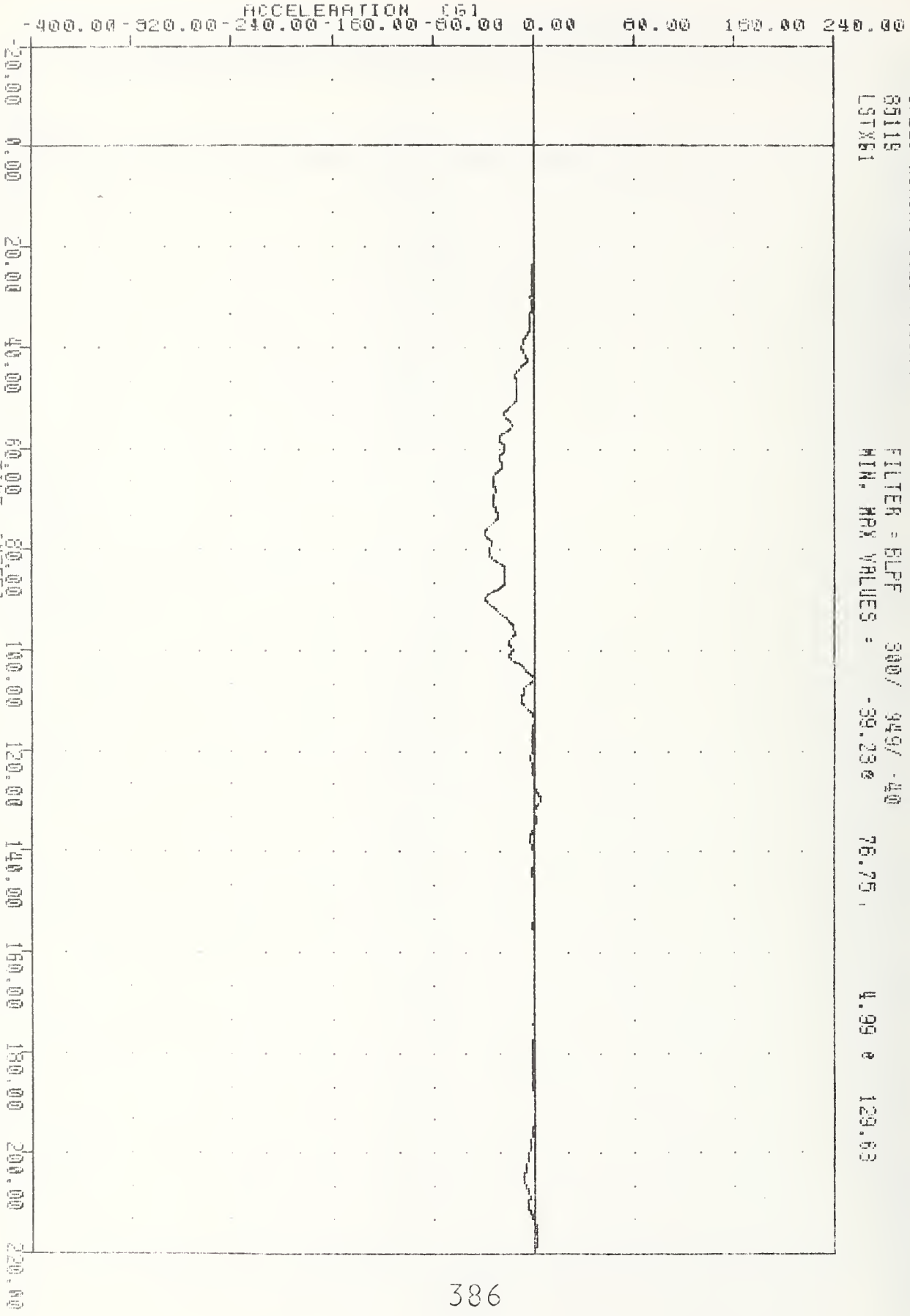
PILOT DATE 1-MAR-85 15:14:25
 FILTER = 8LPF 300/ 943/ -40
 MIN, MAX VALUES = -53.932 85.00

8.64 @ 220.00

VRTC
BREED RRRR8 SLED PROGRAM
85119
LSTX61

RD384-4-21
PLOT VRTC
1-RRR-85 15:19:28
FILTER = BLPF 300/ 949/ .40
MIN. MAX VALUES = -39.23% 76.75%

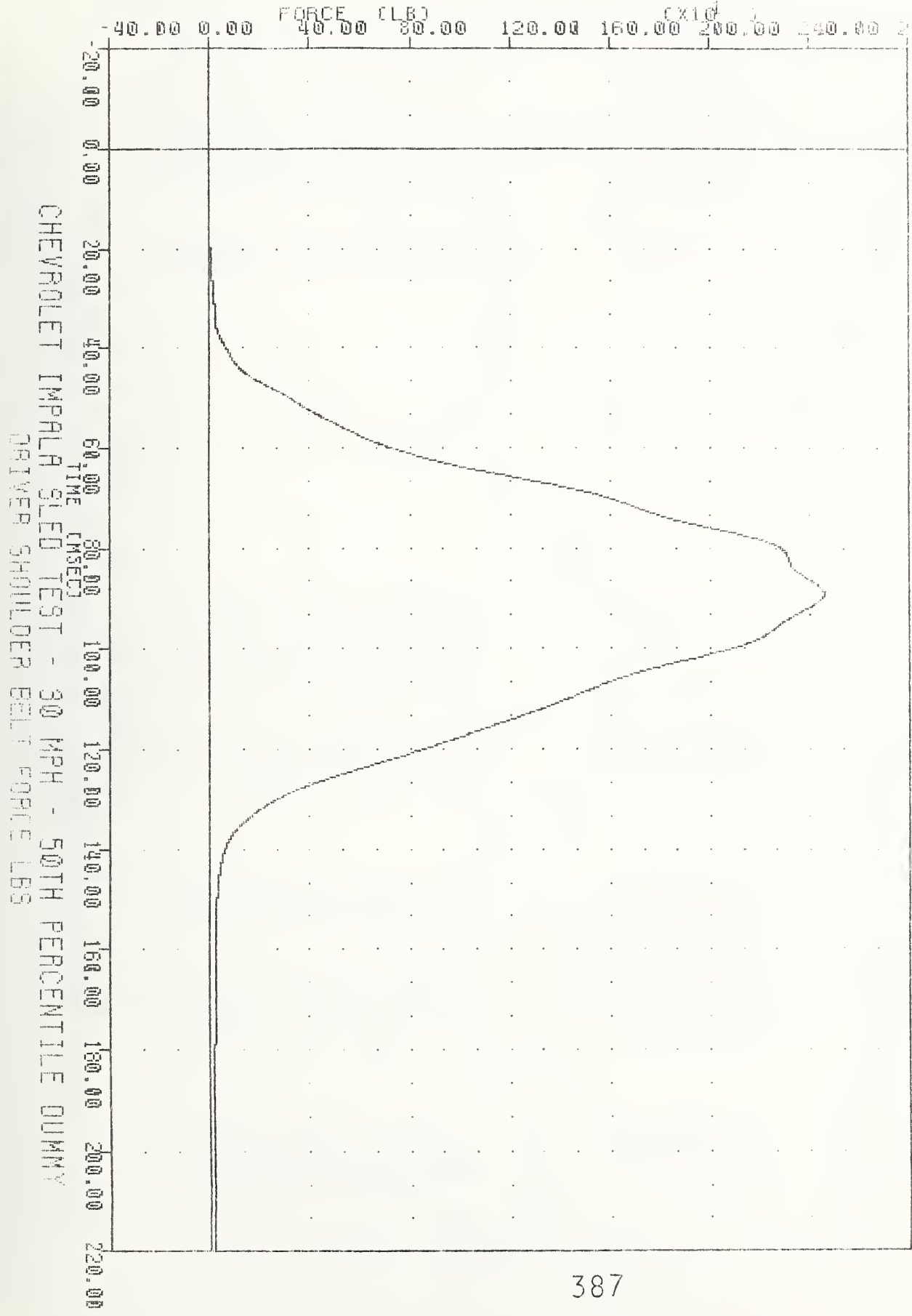
4.99 * 129.63



CHEVROLET 1400R SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

WRITE
 BREED HIRSH SLED PROGRAM
 65119
 SHBF1

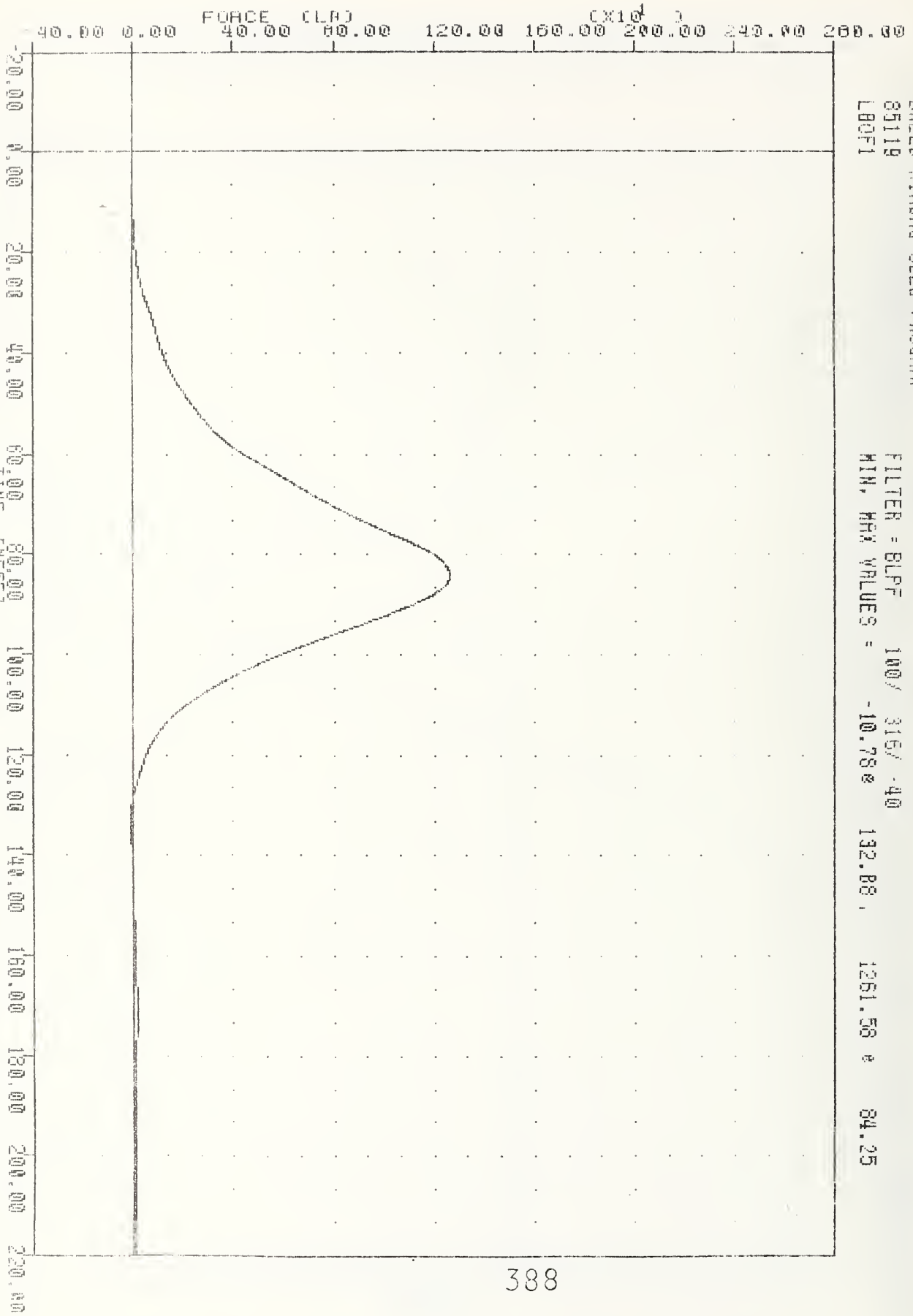
1000000-2
 1 MAR 05 15:19:09
 FILTER = BLPF 100/ 516/ -40
 MIN, MAX VALUES = -0.210 -19.38 , 2455.85 0 89.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER SHOULDER BELT FORCE LBS

VRTIC , R09894-4-01
 BREED AIRBRG SLED PROGRAM
 85119
 LB0F1

PRINT DATE 1-MAY 05 15:19:29
 FILTER = BLPF 100/ 316/ .40
 MIN, MAX VALUES = -10.78 * 132.88 , 1261.58 * 84.25



TRC429P. RAD; 1
VRTC
85121
RD384-4-22 BREED AIRBAG SLED PROGRAM
30.00 mph
1-MAY-85 13:27

EVENT	Min value	Max value	Data Units	Filter
1	0.039 @	79.000	volt	ALPF 1650/ 5214/ -40
2	-32.813 @	119.875	mph	ALPF 100/ 316/ -40
3	-23.270 @	56.875	g	BLPF 100/ 316/ -40
4	-138.929 @	82.375	g	ALPF 1650/ 5214/ -40
5	-12.981 @	128.375	g	ALPF 1650/ 5214/ -40
6	-28.397 @	82.375	g	ALPF 1650/ 5214/ -40
7	-80.485 @	88.375	g	BLPF 300/ 949/ -40
8	-9.753 @	88.000	g	BLPF 300/ 949/ -40
9	-2.337 @	99.500	g	BLPF 300/ 949/ -40
10	-290.549 @	85.625	g	BLPF 300/ 949/ -40
11	-147.688 @	71.500	g	BLPF 300/ 949/ -40
12	-47.070 @	84.875	g	BLPF 300/ 949/ -40
13	-5.615 @	52.750	g	BLPF 300/ 949/ -40
14	-31.788 @	88.375	g	BLPF 300/ 949/ -40
15	-285.969 @	36.250	lb	BLPF 1000/ 3162/ -40
16	-498.783 @	52.375	lb	BLPF 1000/ 3162/ -40
17	-23.287 @	59.625	g	BLPF 100/ 316/ -40
18	-2.555 @	82.000	g	BLPF 100/ 316/ -40
19	-1.230 @	32.750	g	BLPF 100/ 316/ -40
20	-0.392 @	-10.125	lb	BLPF 100/ 316/ -40
21	-0.024 @	22.375	volt	ALPF 1650/ 5214/ -40
22	-1.871 @	85.250	volt	ALPF 1650/ 5214/ -40

TRC429IP. RAD; 1
VRTC
85121
RD384-4-22 BREED AIRBAG SLED PROGRAM
30.00 mph
1-MAY-85 13:27

EVENT	Min value	Max value	Data Units	Filter
1	-38.915 @	220.000	mph	BLPF 300/ 949/ -40
2	-48.157 @	220.000	in	BLPF 300/ 949/ -40
3	-37.854 @	182.250	mph	BLPF 300/ 949/ -40
4	-52.076 @	220.000	in	BLPF 300/ 949/ -40
5	-34.796 @	107.375	mph	BLPF 300/ 949/ -40
6	-55.355 @	220.000	in	BLPF 300/ 949/ -40
7	-32.427 @	115.000	mph	BLPF 300/ 949/ -40
8	-62.333 @	220.000	in	BLPF 300/ 949/ -40
9	-31.788 @	115.875	mph	BLPF 300/ 949/ -40
10	-60.185 @	220.000	in	BLPF 300/ 949/ -40

TRC429RP. RAD; 1
VRTC
85121
RD384-4-22 BREED AIRBAG SLED PROGRAM
30.00 mph
1-MAY-85 13:27

EVENT	Min value	Max value	Data Units	Filter
1	0.031 @	-7.625	g	ALPF 1650/ 5214/ -40
2	0.010 @	-16.250	g	BLPF 300/ 949/ -40
3	0.016 @	-4.875	g	BLPF 300/ 949/ -40
4	0.090 @	-18.625	g	BLPF 100/ 316/ -40

300

HEDRG1

* * * HIC computation for [SLED,BREED]TRC429RF,RAD;1 1-MAY-85 15:16:35

HEDRG1 VRTC RD384-4-22 85121 BREED AIRBAG SLED PROGRAM

Using time range = 0.000 to 133.125 msec Peak accel = 141.83 @ 82.375

HIC = 734.20 Interval from 81.750 [815] to 124.250 [1155]

HIC = 490.24 Interval from 96.125 [930] to 111.125 [1050]

R SYSP:THREEMS

*** Three ms clip program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC429RF

File TRC429RF -> 4 data channels from -20.000 to 220.000 msec

Reference channel length = 1921, Deltax = 0.125000

VRTC RD384-4-22 BREED AIRBAG SLED PROGRAM 30.00 mph

HEDRG1 CSTRG1 FEVRG1 LFRBG

Enter channel name -> CSTRG1

[SLED,BREED]TRC429RF,RAD;1 VRTC RD384-4-22

BREED AIRBAG SLED PROGRAM 30.0 mph 85121 1-MAY-85 15:16:54

Deltax: 0.125

3 MS CLIP PEAK: 72.04016

Please run LSTRAD on this channel for the full time and give it to the project manager to double-check peak

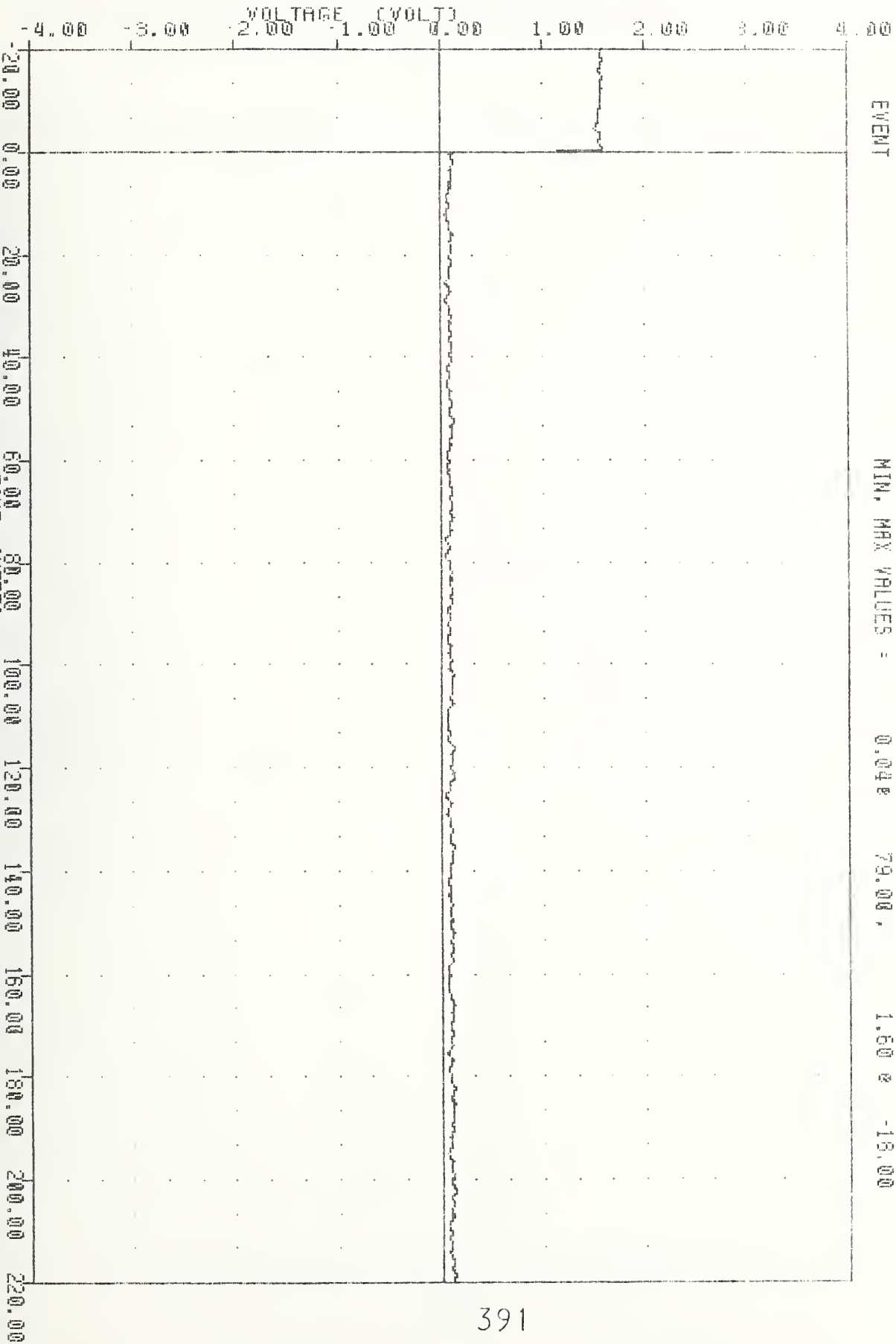
Enter channel name -> EXIT

Enter input filespec -> EXIT

\$

VRTC
BREED AIRBAG SLED PROGRAM
EVENT 85121

PILOT DATE 1-20-01
FILTER = ALPF 1850/ 5214/ -40
MIN, MAX VALUES = 0.04e 79.08 , 1.60 e -18.00

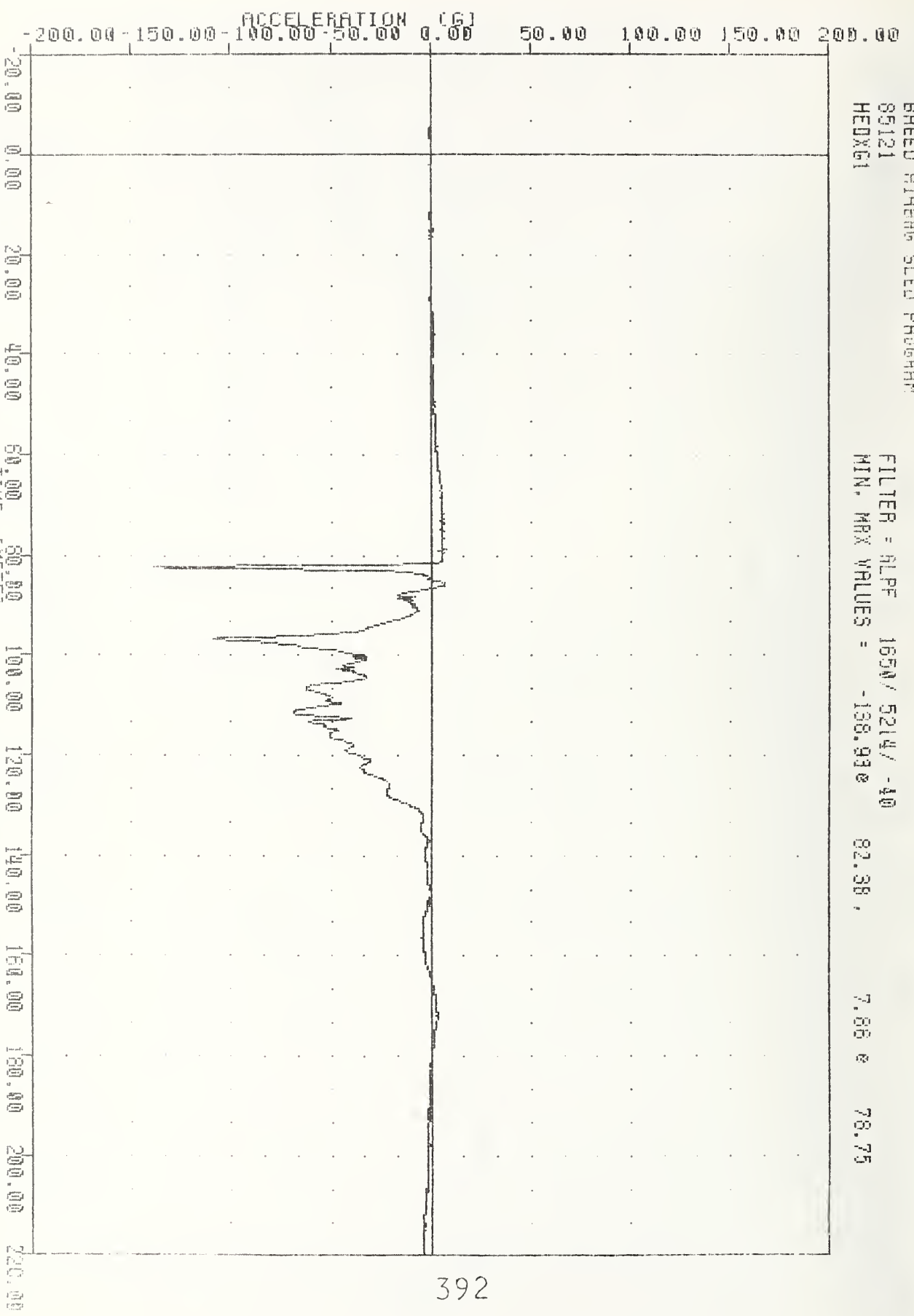


CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
EVENT

VSTC
 BREED 819846 SLED PROGRAM
 85121
 HEDXG1

* R0384-A-22
 PLOT DATE 1-MAY-85 18:20:01
 FILTER = ALPF 165N/ 5214/ -40
 MIN. MAX VALUES = -138.930 82.38

7.88 e 78.75

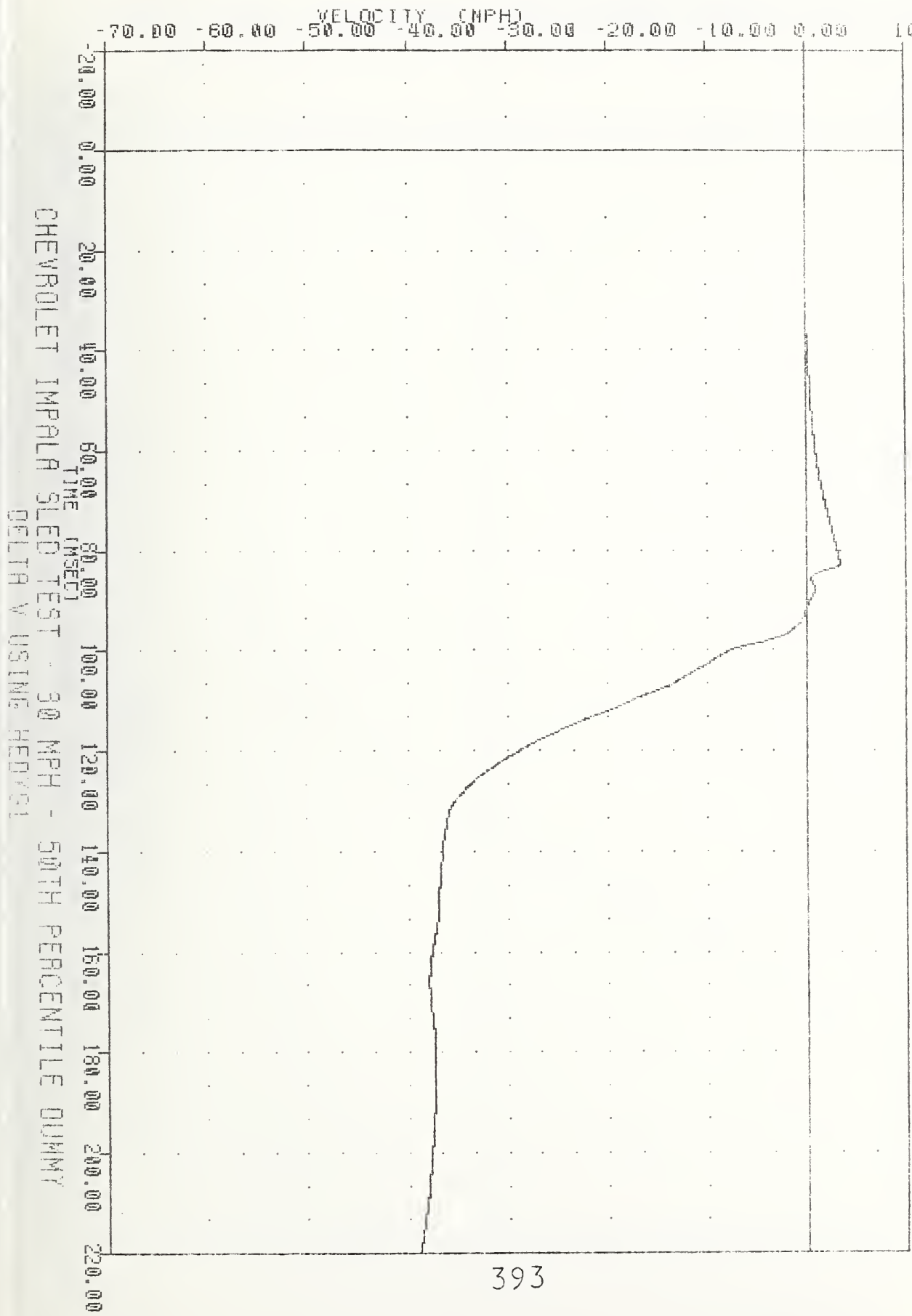


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 097 VTX MPAD HORIZONTAL POSITION 0.00

WRTO
 BREED AIRBAG SLED PROGRAM
 85121
 HEDXW1

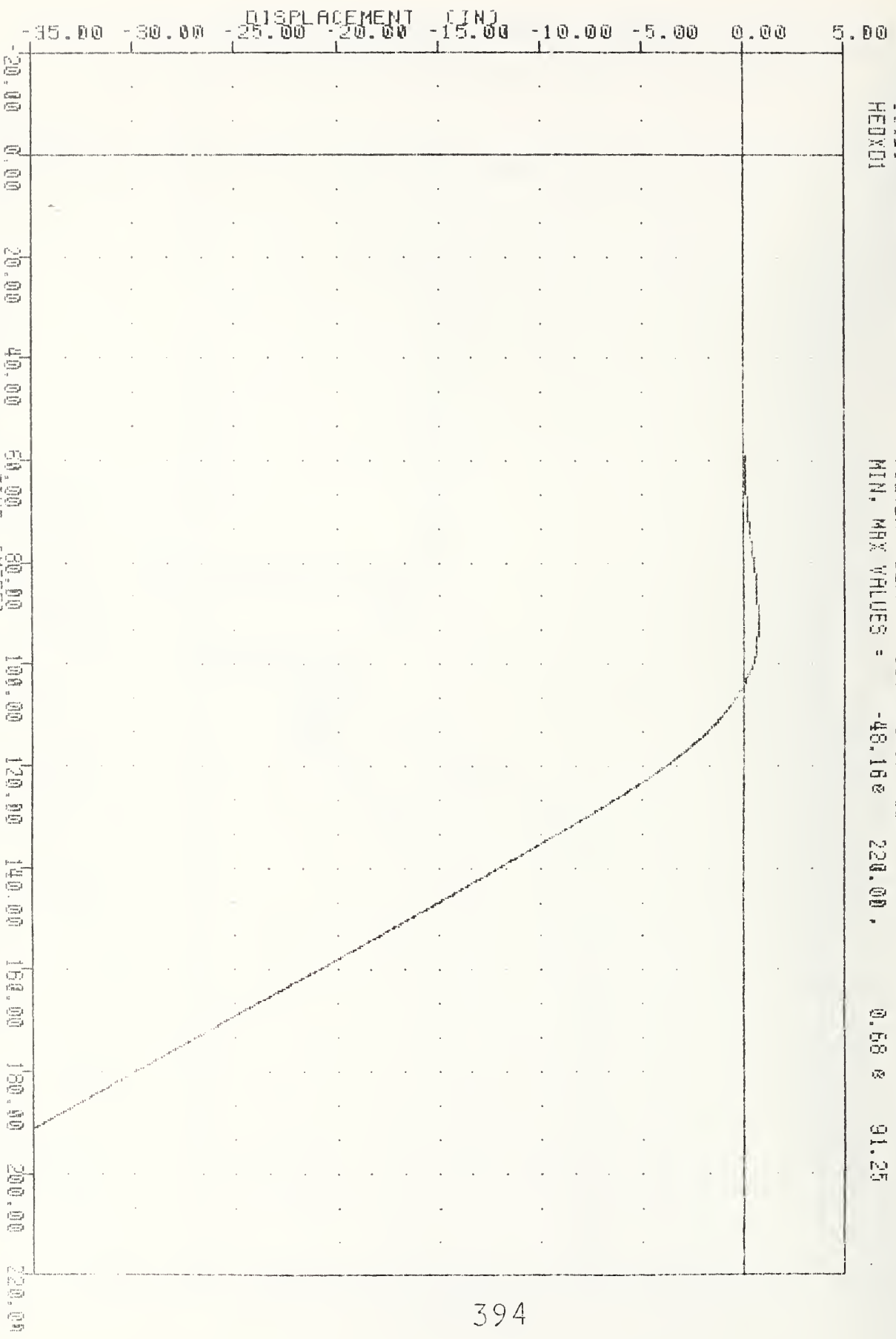
FLOT DATE 1-MAY-85 15:21:06
 FILTER = 8LFF 3007 9497-400
 MIN, MAX VALUES = -58.918 220.00,

3.31 & 82.50



VRIC , RD384-4-12
 BREED AIRBHS SLED PROGRAM
 85121
 HEDXD1

PLOT DATE 1 MAY 85 16:28:52
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -48.182 228.00 , 0.68 91.25



CHEVROLET IMPQLR SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
 DEPT. OF TRANSPORTATION

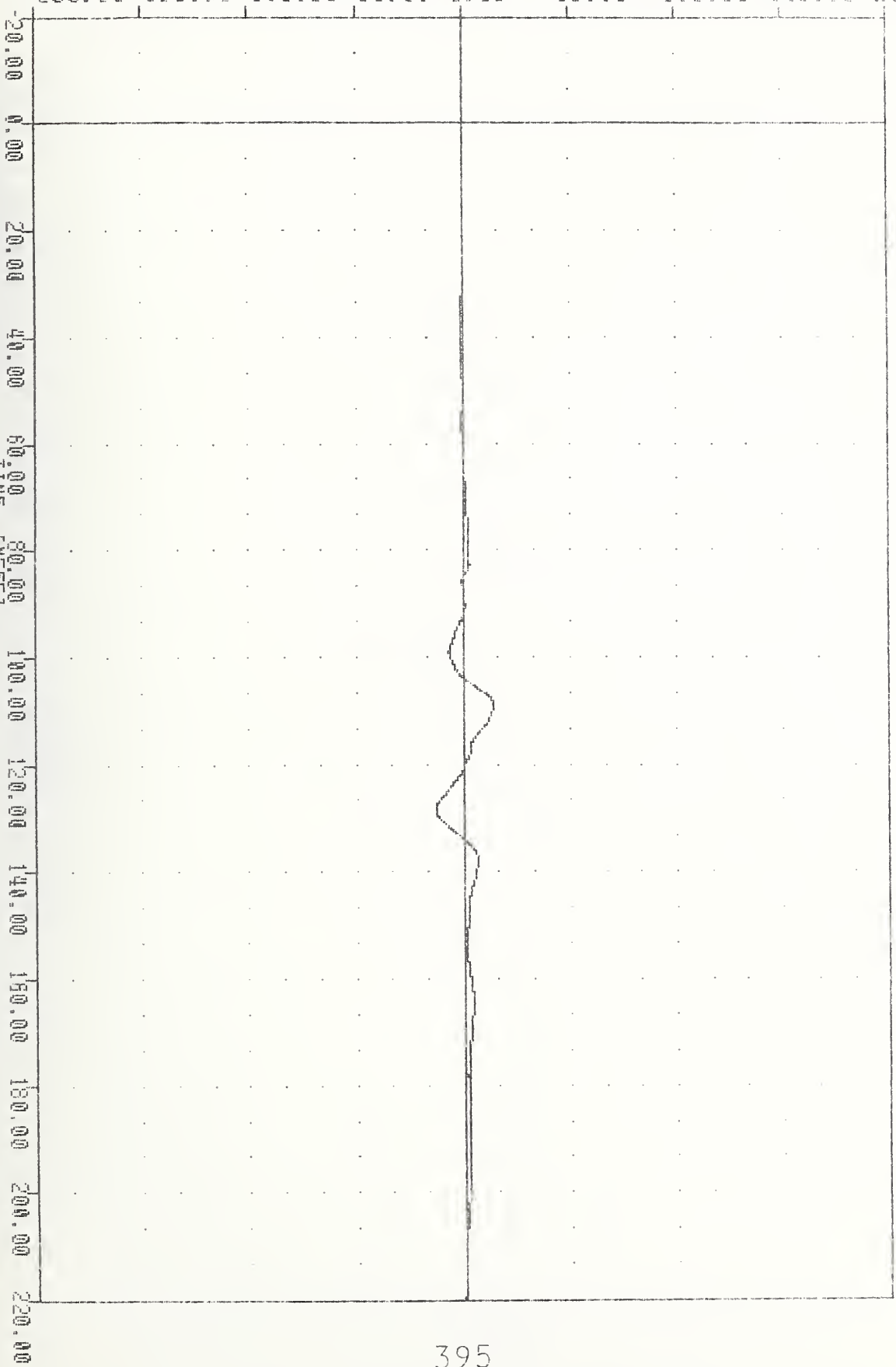
NHTC
 BREED AIRBAG SLED PROGRAM
 85121
 HEDYR1

PLOT DATE 10/05/85 16:20:01
 FILTER = ALFF 1650/52147 -40
 MIN, MAX VALUES = -12.98 128.38

14.09 a 108.88

ACCELERATION (G)

-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00

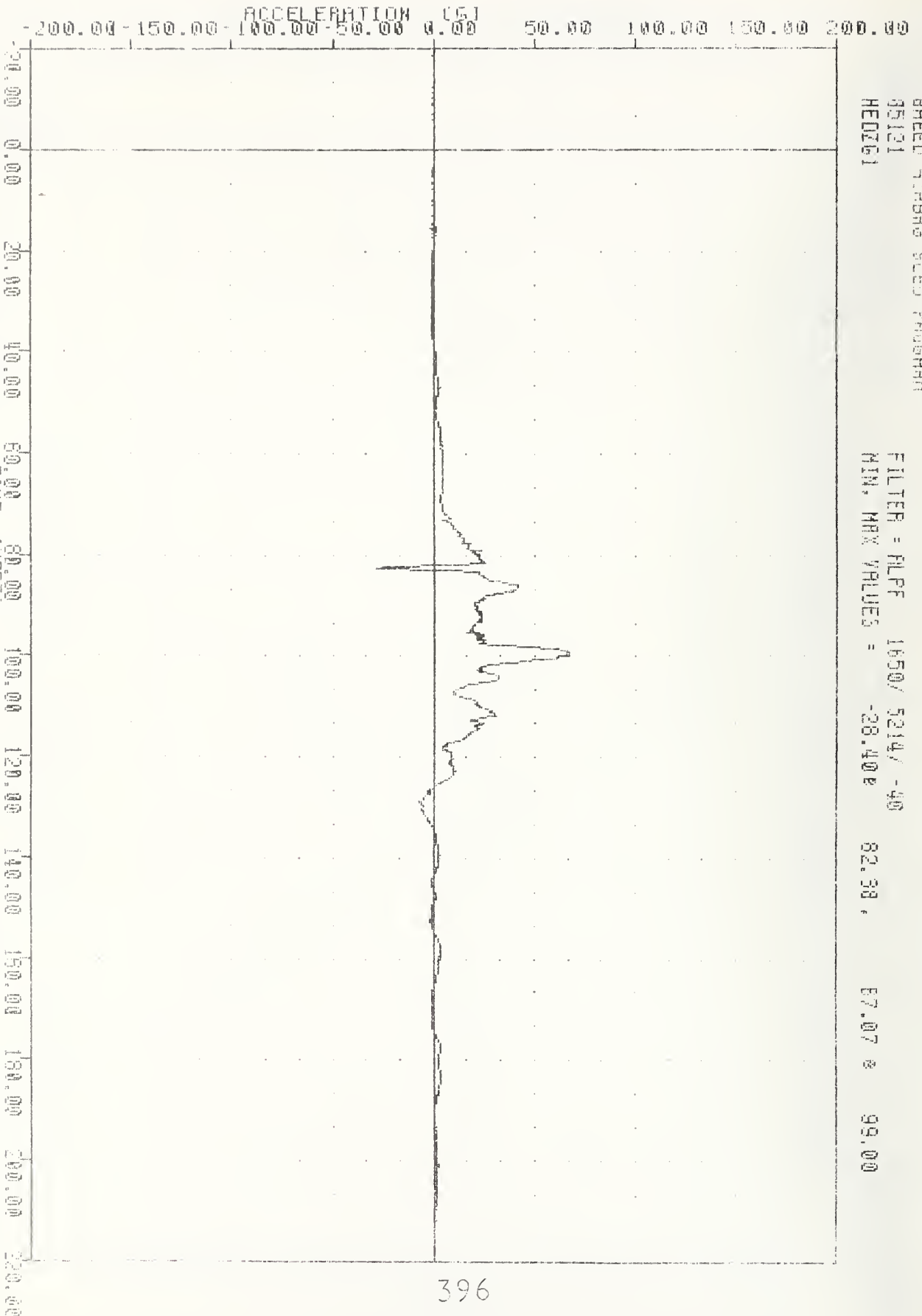


CHEVROLET IMPALM SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

PHIL
BREED AIRBORNE BLEED PROGRAM
05121
HEADG1

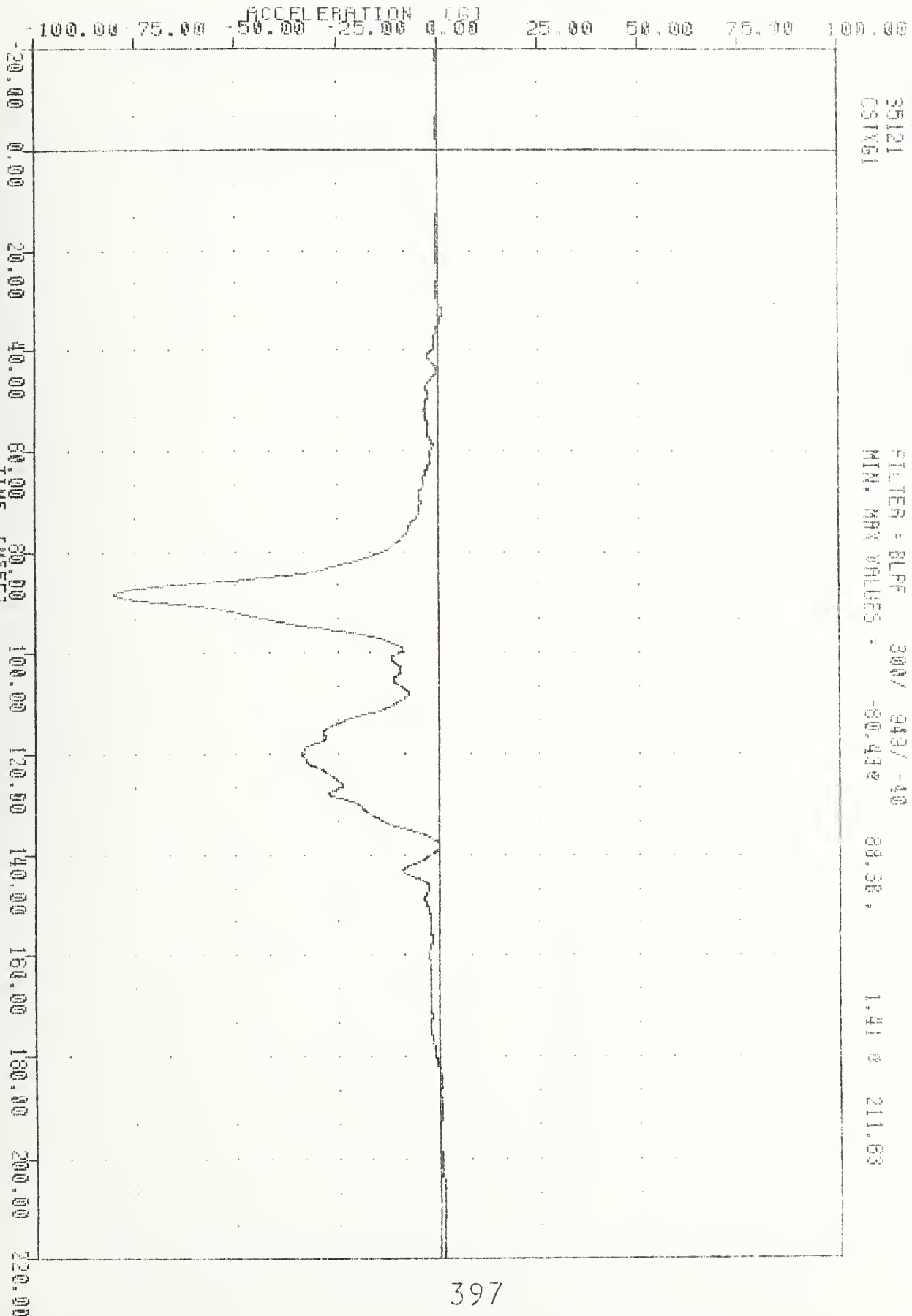
PLUT DATE 1-MAR-85 16:20:01
FILTER = FLPF 1650/ 5214/ -40
MIN, MAX VALUES = -28.40g 82.38g

67.07g 99.00g



INHERENT WEIGHT 50 TEST 30 MPH 5TH PERCENTILE DUMMY

CHEVROLET IMPALA BLEED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACC/DECEL/ROTATION X AXIS

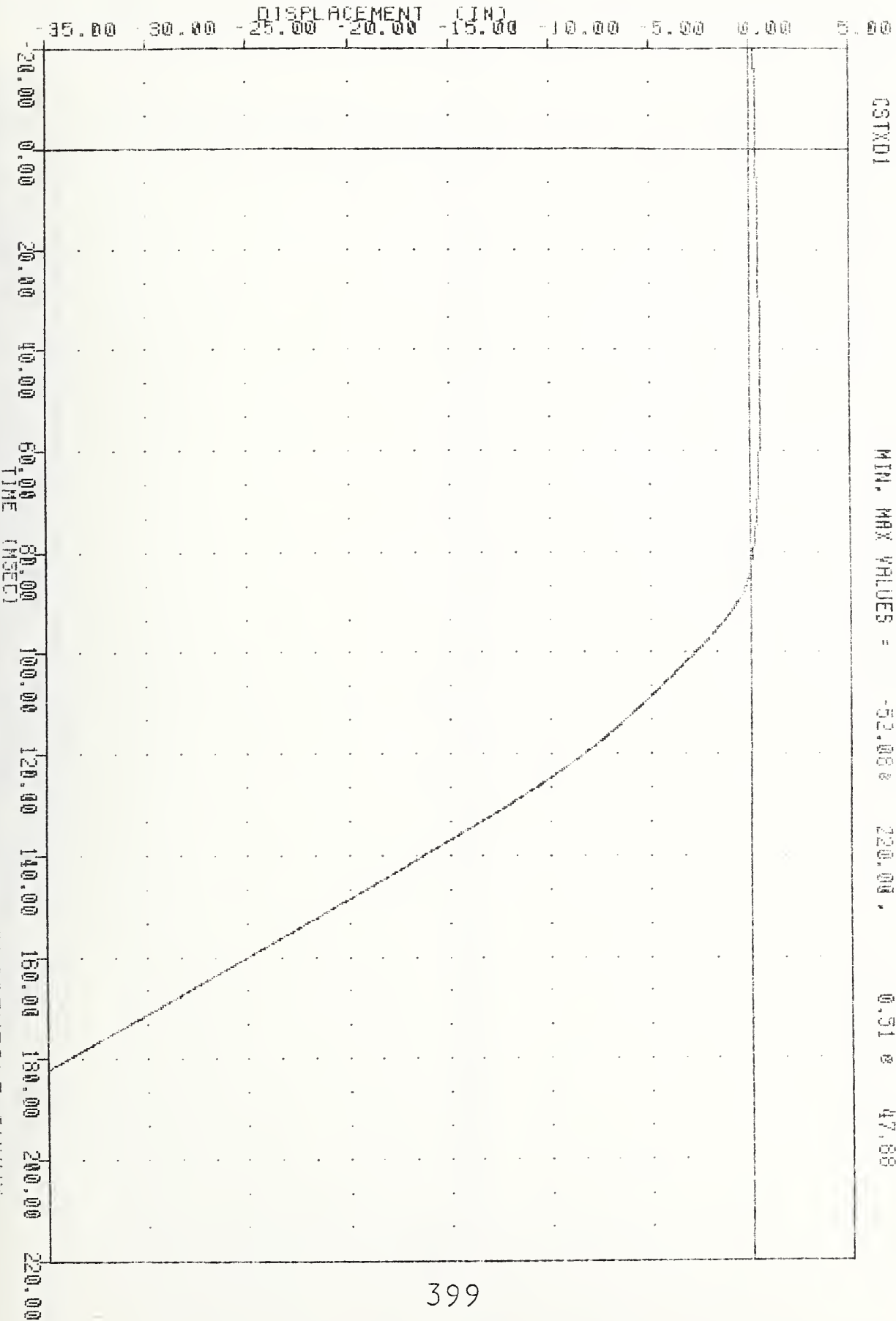


WRITE : 00904 4 25
 SPEED HINSHAW SELECT 091-000
 CS1X61
 FILTER = 8LFF 3000 / 949 / -10
 MIN. MAX VALUES = -80.438 88.38 , 1.41 @ 211.63

1811C
 BREED AIRBAG SLED PROGRAM
 05121
 CSTXD1

PLAT DATE 7-22-85 10:38:53
 FILTER = BLPT 300/ 949/ -40
 MIN. MAX VALUES = -52.00 220.00

0.51 47.88



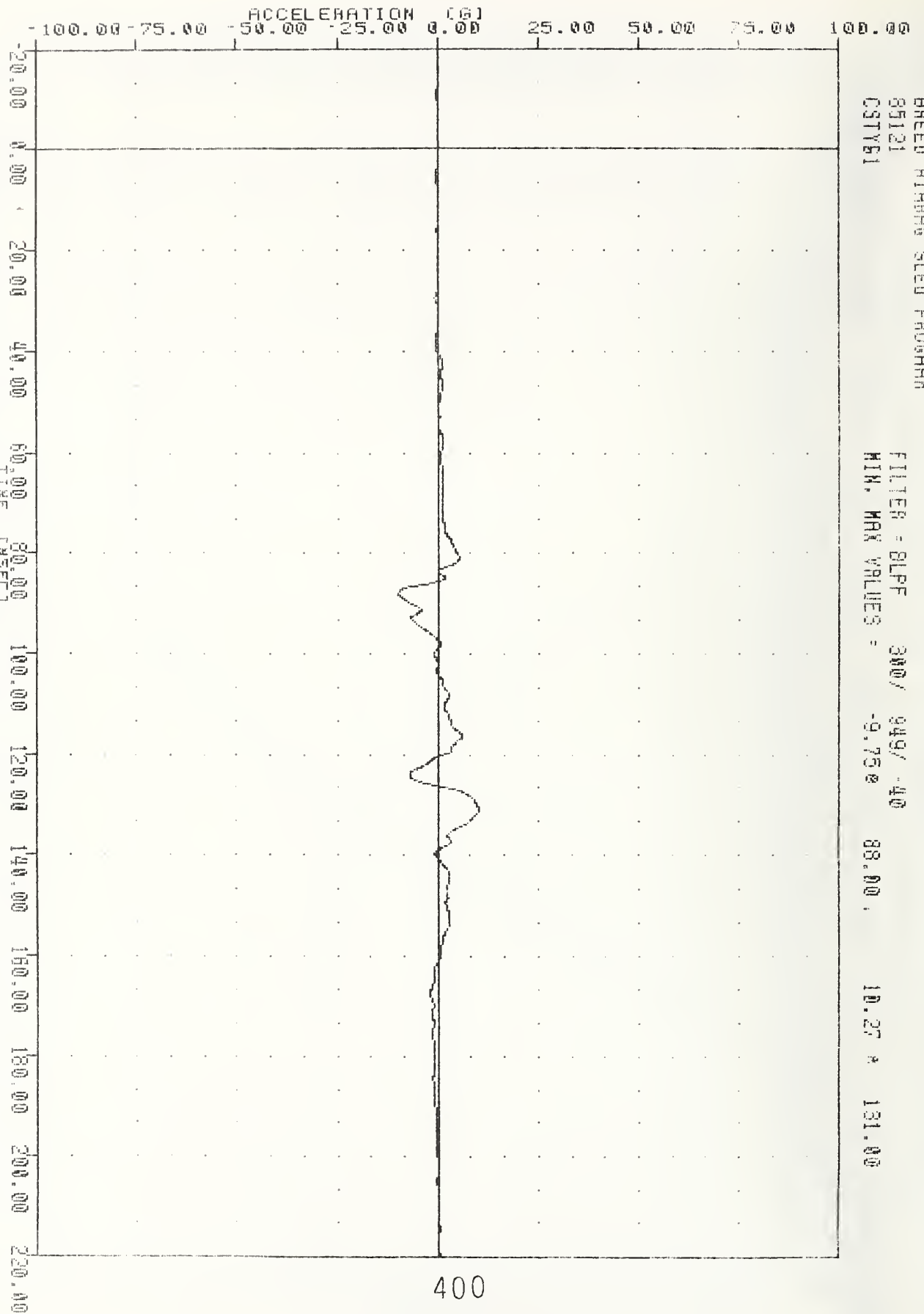
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DELTA X USING CSTXD1

VEHICLE: R0304-4-22
 BREED: AIRBAG SLED PROGRAM
 85121
 CSTY61

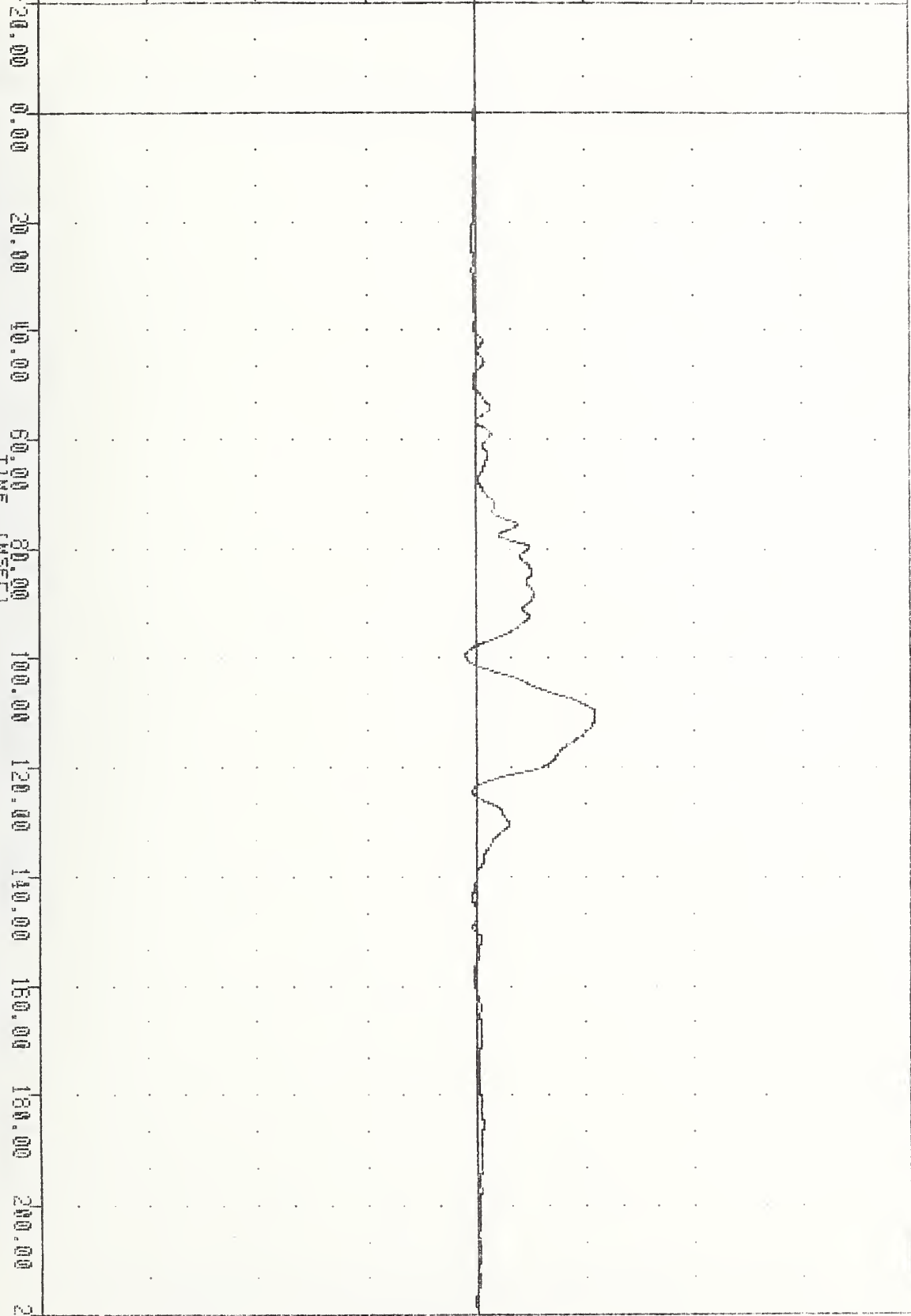
PLOT DATE: 1-MAY-85 15:20:01
 FILTER: 8LPE 300/ 949/ -40
 MIN, MAX VALUES: -9.75 88.00

10.27 * 131.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 TEST REPORT

ACCELERATION (G)



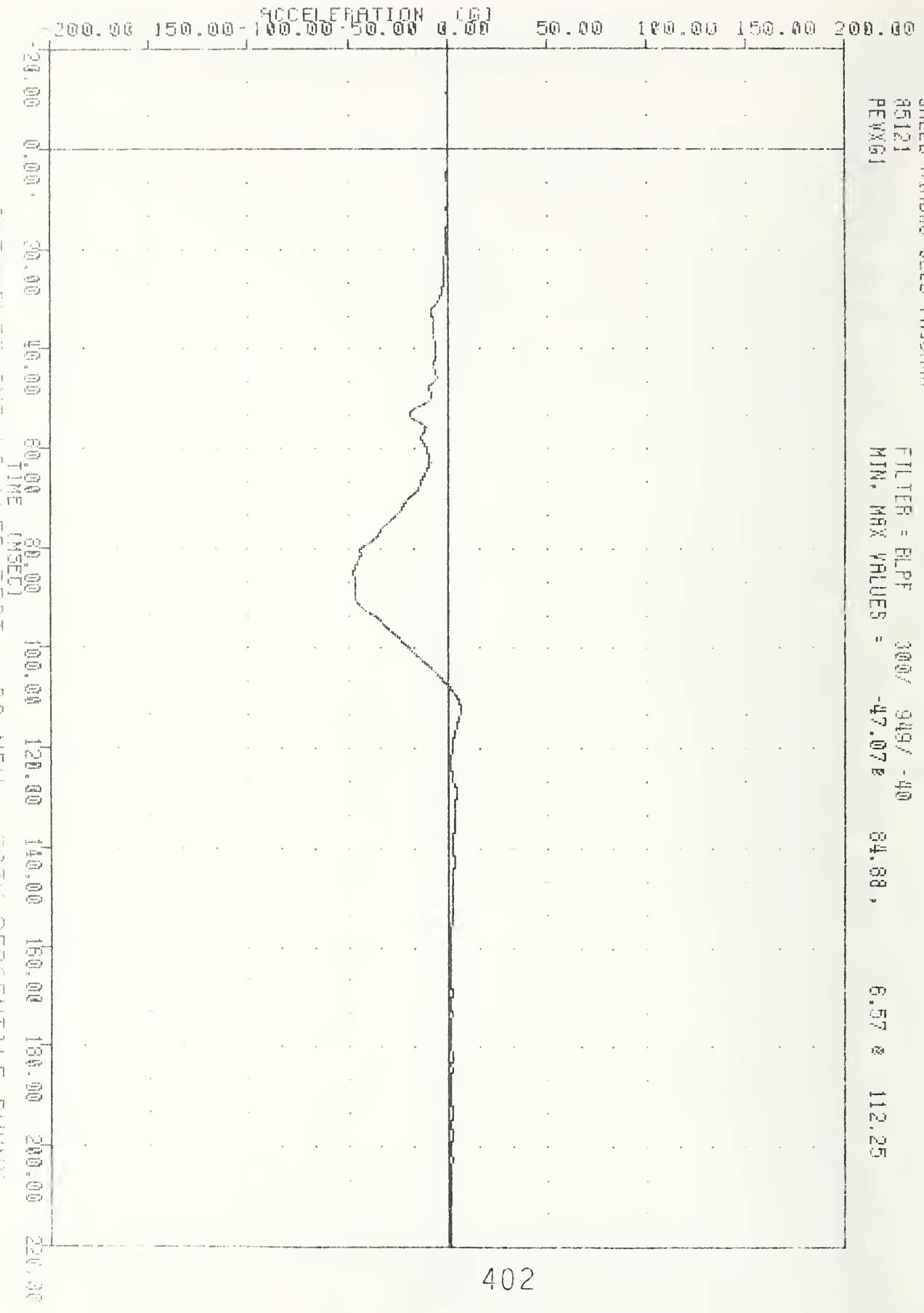
VEHICLE: 1970-64 FORD
 SPEED: 31MPH SLED 1405PM
 CSTZ61
 FILTER: 8LPPF 300/ 989/ -40
 MIN. MAX. VALUES = -2.34e 99.50e 27.43e 110.13

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VEHICLE: R03894 & 22
 SPEED AIRBORNE SLED PROGRAM
 85121
 PEVXG1

PILOT DATE: 1-187-85 15:28:00
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -47.07g 84.88g

6.57g 112.25

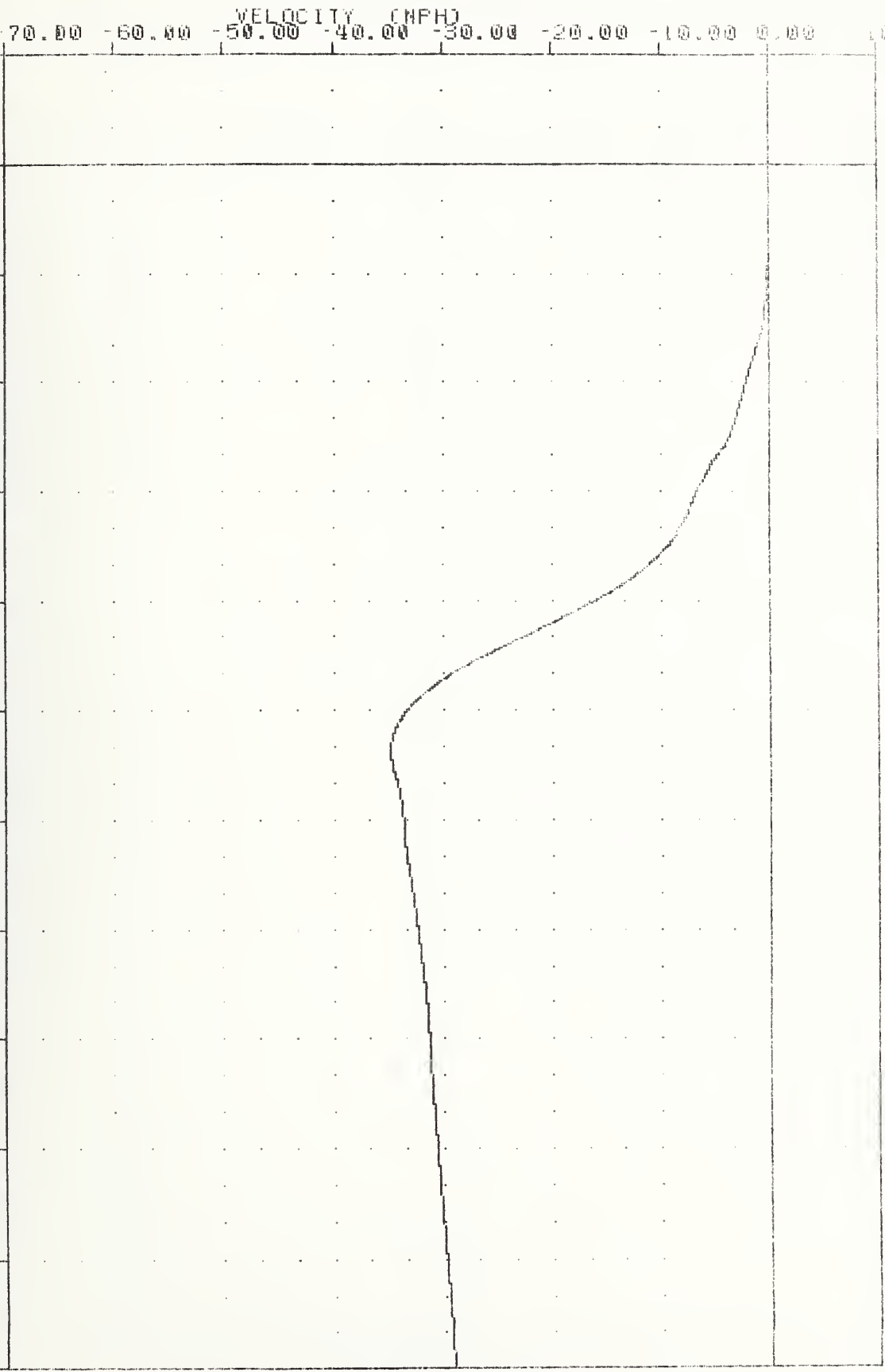


AIRBORNE SLED TEST 30 MPH - 50TH PERCENTILE DUMMY
 OF 30 OF 30

UNIT: MPH
GREEN RIDING SLED PROGRAM
85121
PEVXW1

MULTI-DRAFT
MIN. MAX VALUES =

300 / 949 / -40
-34.80 107.36
-0.06 15.25

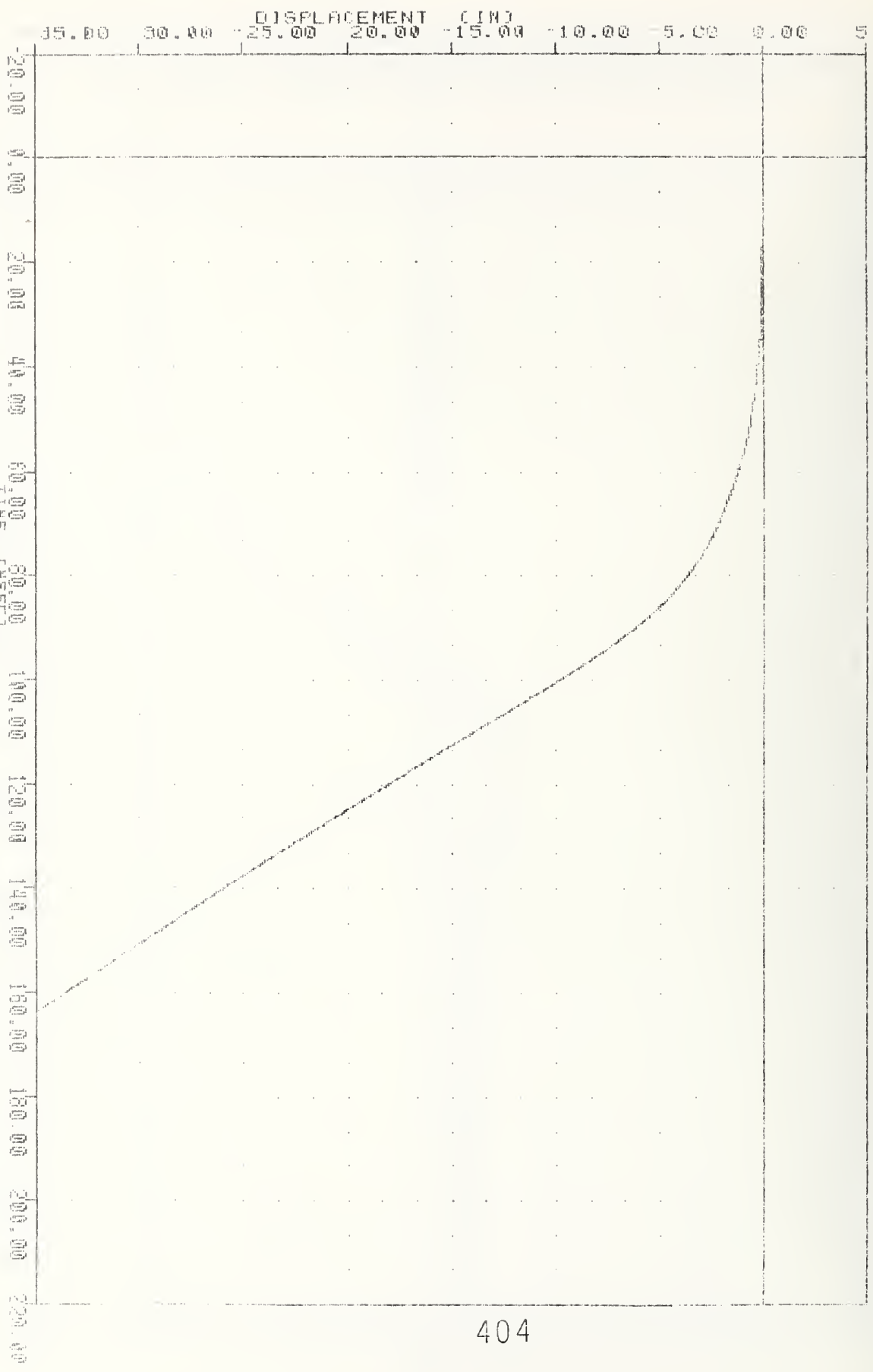


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXW1

PART NO. 10004-411
 SPEED RICHNO SLEP PROGRAM
 81121
 PEVX01

UNIT 0001
 1-887-85 16:20:53
 FILTER: 50PF 300/ 999/ -40
 MIN. MAX VALUES = -55.35 220.00

-0.04 * -20.00

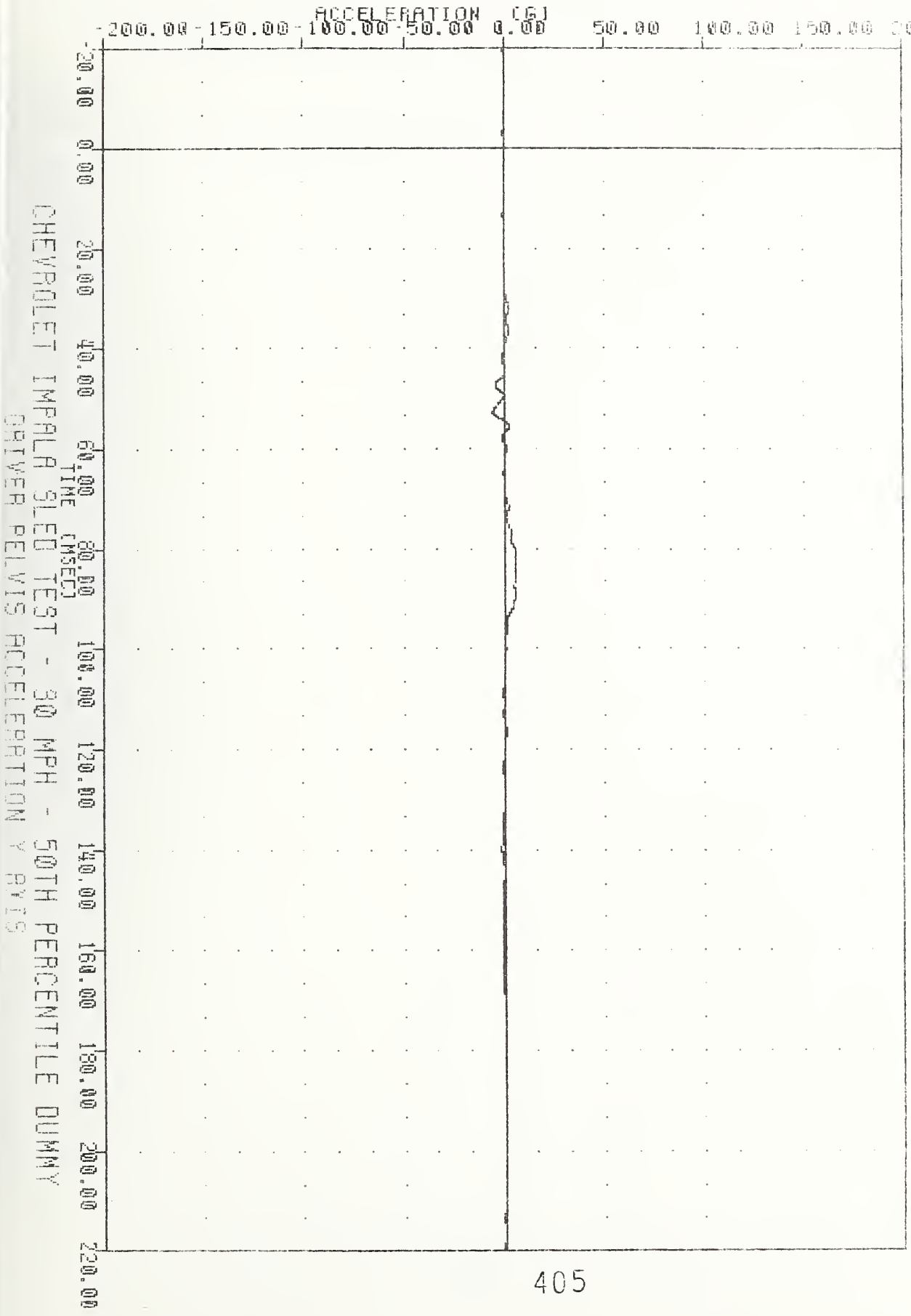


CHEVROLET TRUCK 50 TON 99 MTR 2474 PERCENTILE DUMMY

WRIT 505-11-22
 BREED AIRSAS SUB PROGRAM
 05121
 PENY61

2001 1812 1812-05 12:00:01
 FILTER = BLPF 30M/ 943/-40
 MIN, MAX VALUES = -5.628 52.75

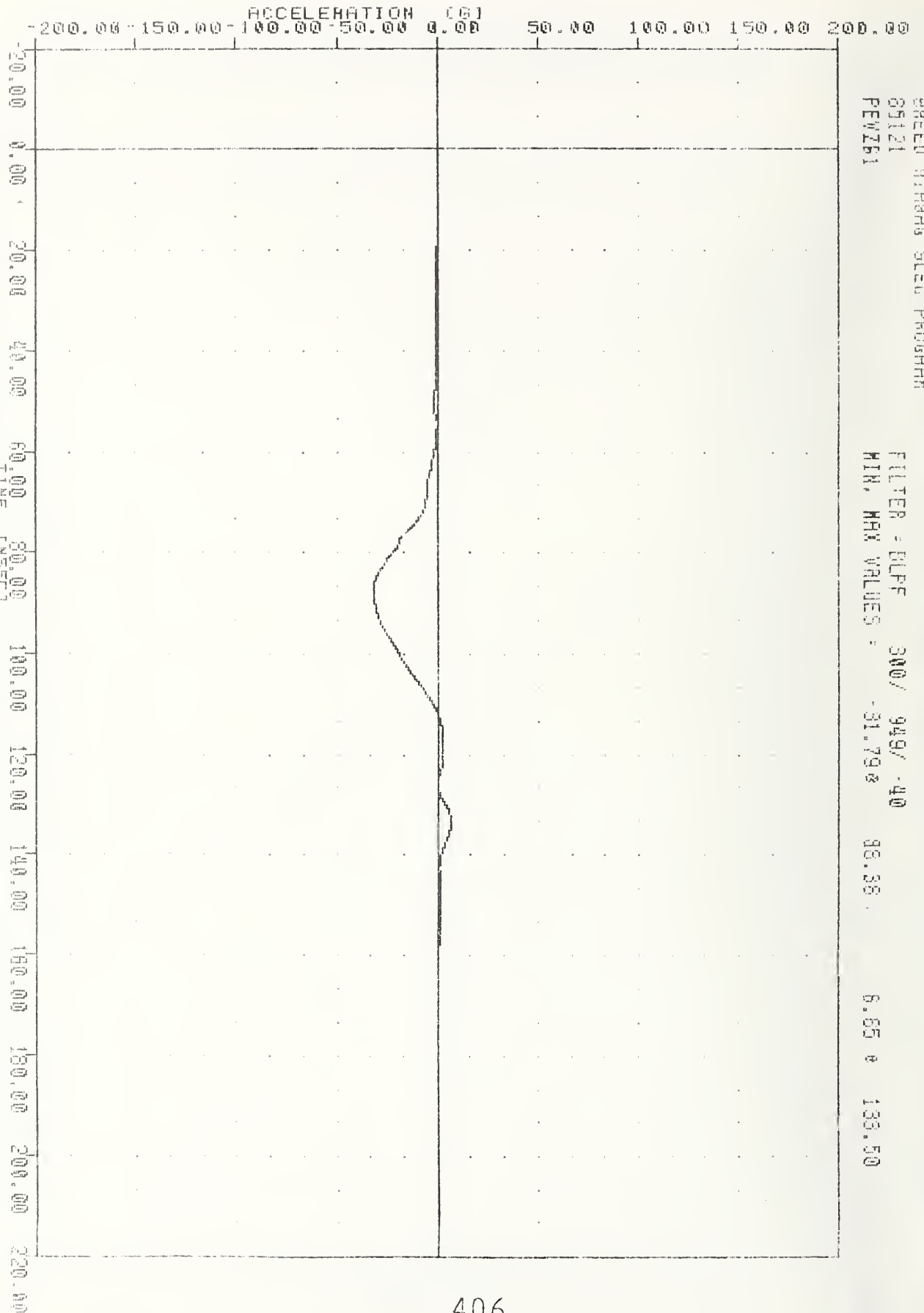
6.01 @ 81.25



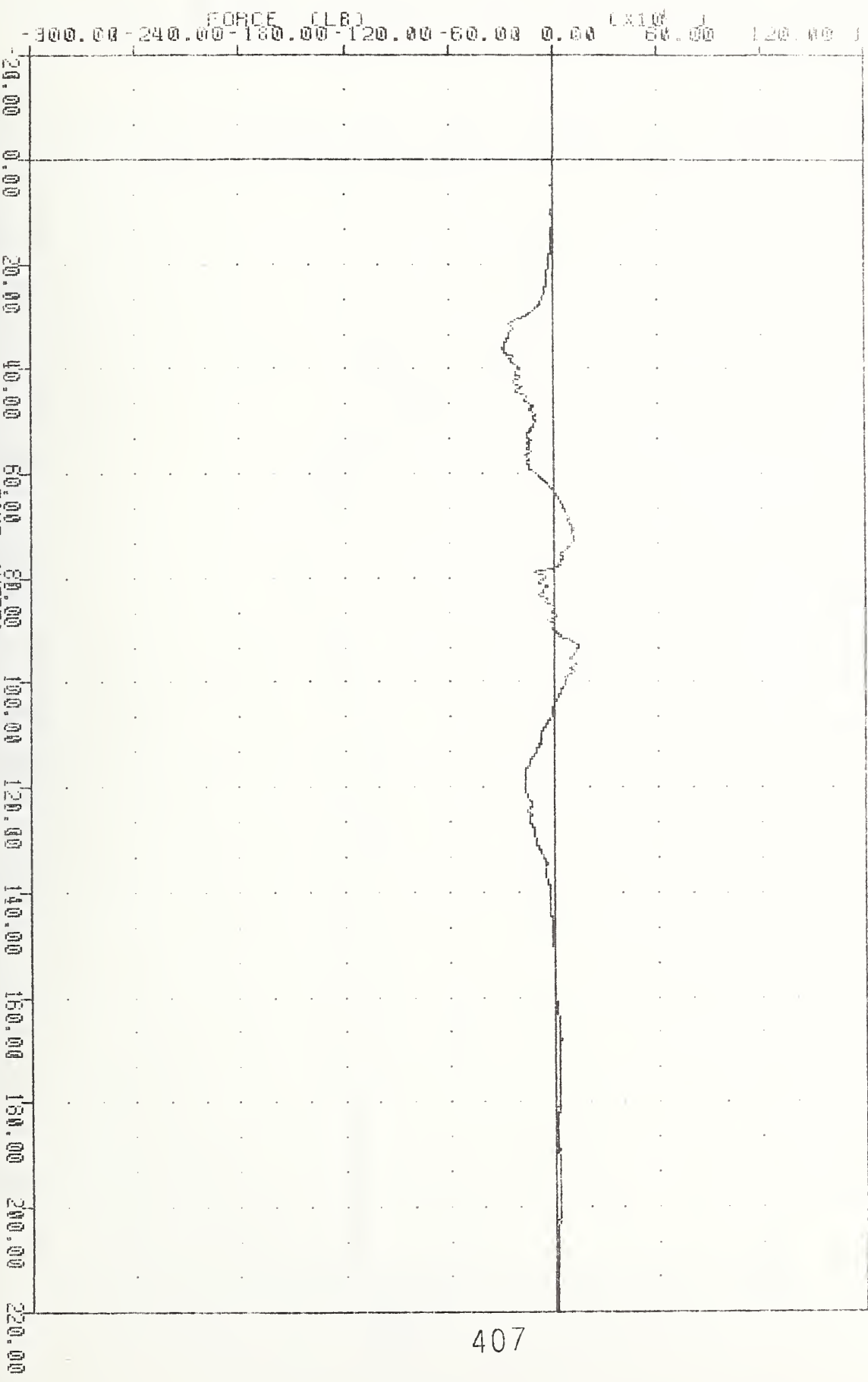
UNIT : R0384-4-22
SPEED 918985 SLED PROGRAM
85121
PEWZ61

UNIT NAME : J-MAT-85 16:20:01
FILTER = BLPF 300 / 949 / .40
MIN, MAX VALUES : -31.79 96.38

6.85 * 139.50



VRT: 1.000000
 BREED: 95121
 LFMF1: 1.000000
 FILTER: BLPF 1000/3062/-40
 MIN, MAX VALUES: -285.97% 36.25, 146.90% 93.13

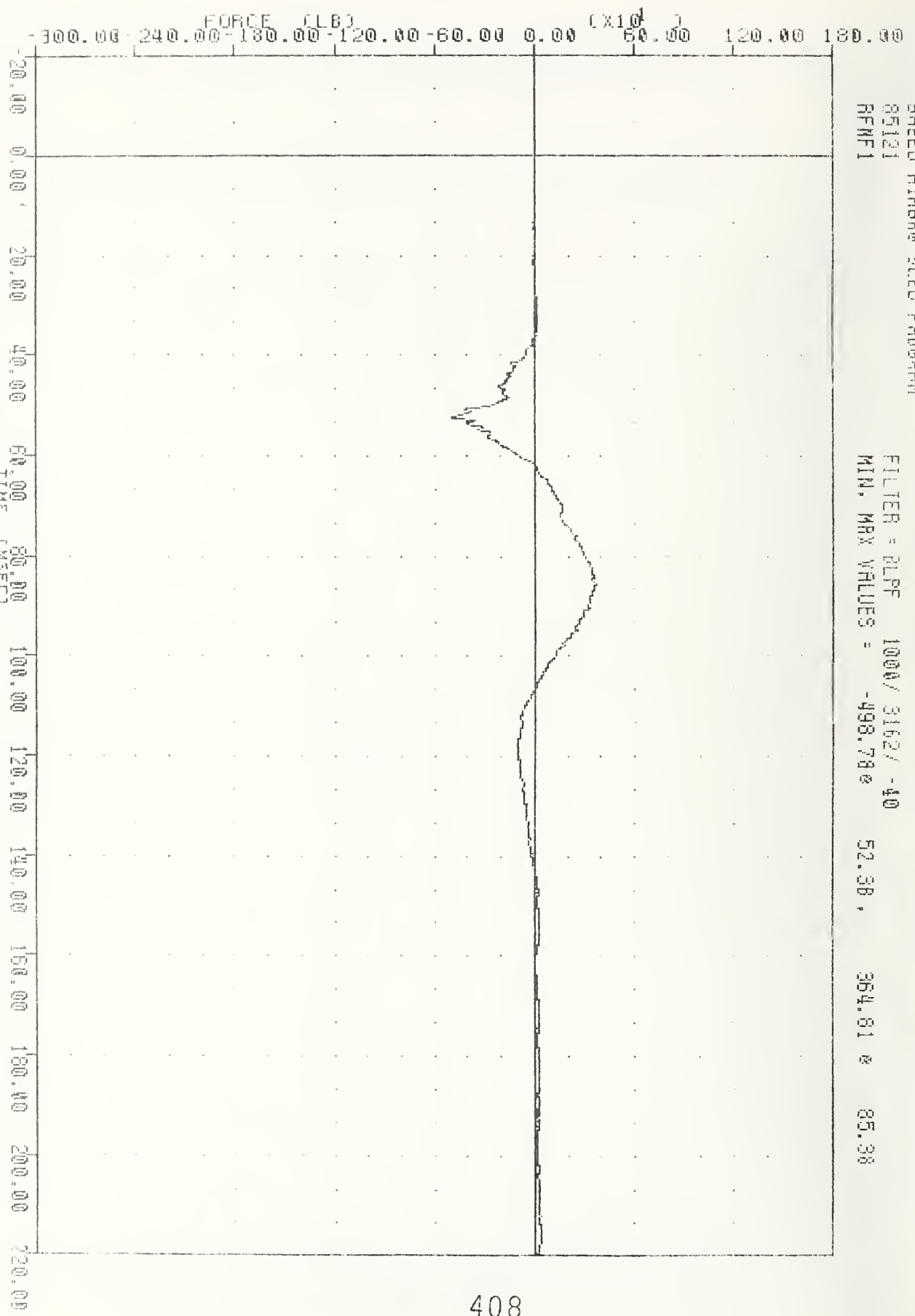


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

TRIC
 BREED AIRBAG SLED PROGRAM
 85121
 RFMF1

10384-A 22
 0001 DATE 1-18-85 16:20:01
 FILTER = RLPF 1000/3162/ -40
 MIN. MAX VALUES = -498.78 52.38

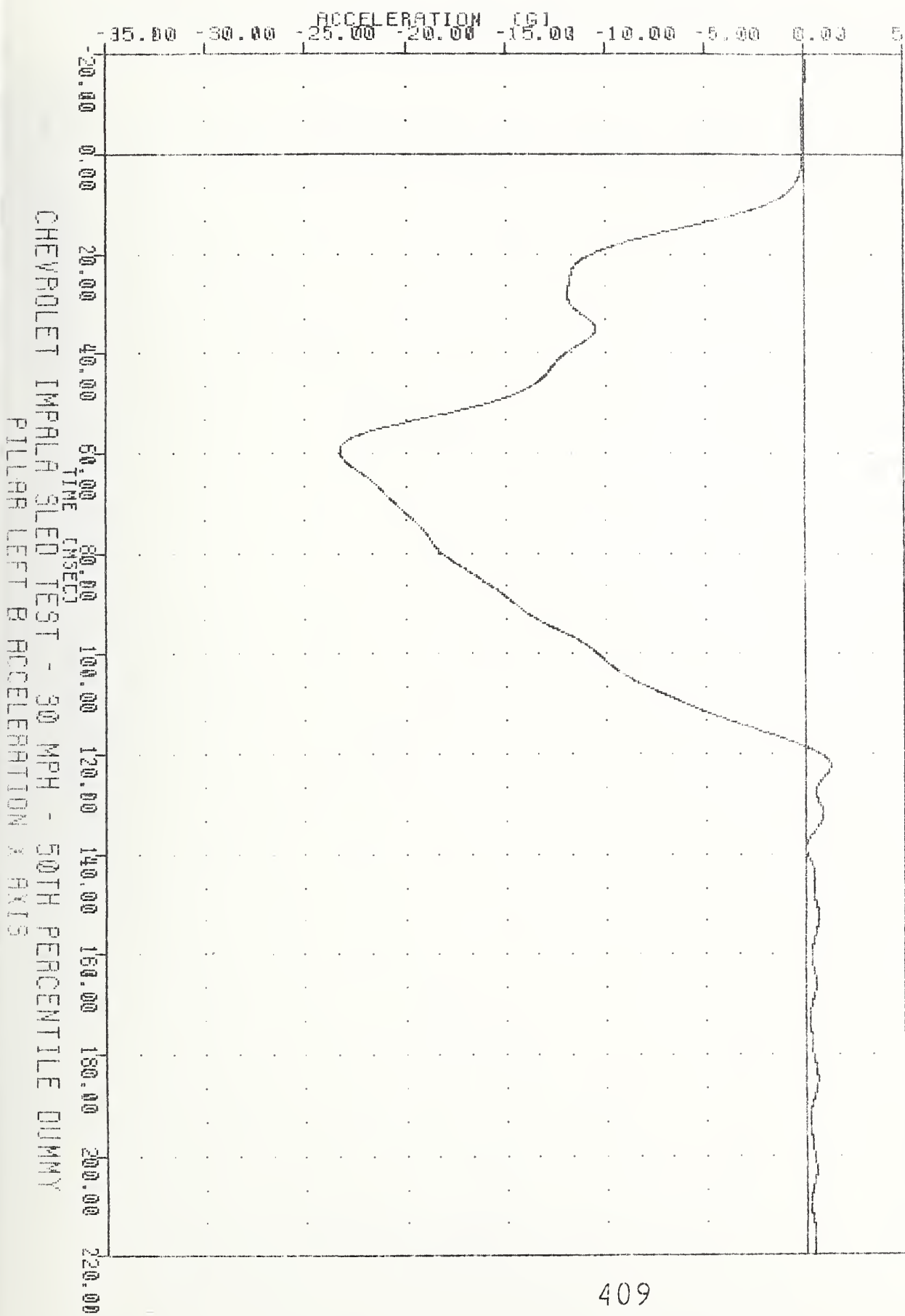
354.81 * 85.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 (SLED AIRBAG SYSTEMS PROGRAM)

VRTC
BREED HIGHWAY SLED PROGRAM
LPBXG
85121

7-80584-4-22
PLOT DATE 7-8051-65 10:20:01
FILTER = BLPF 100/ 316/-40
MIN, MAX VALUES = -23.29 59.63 , 1.24 @ 122.98

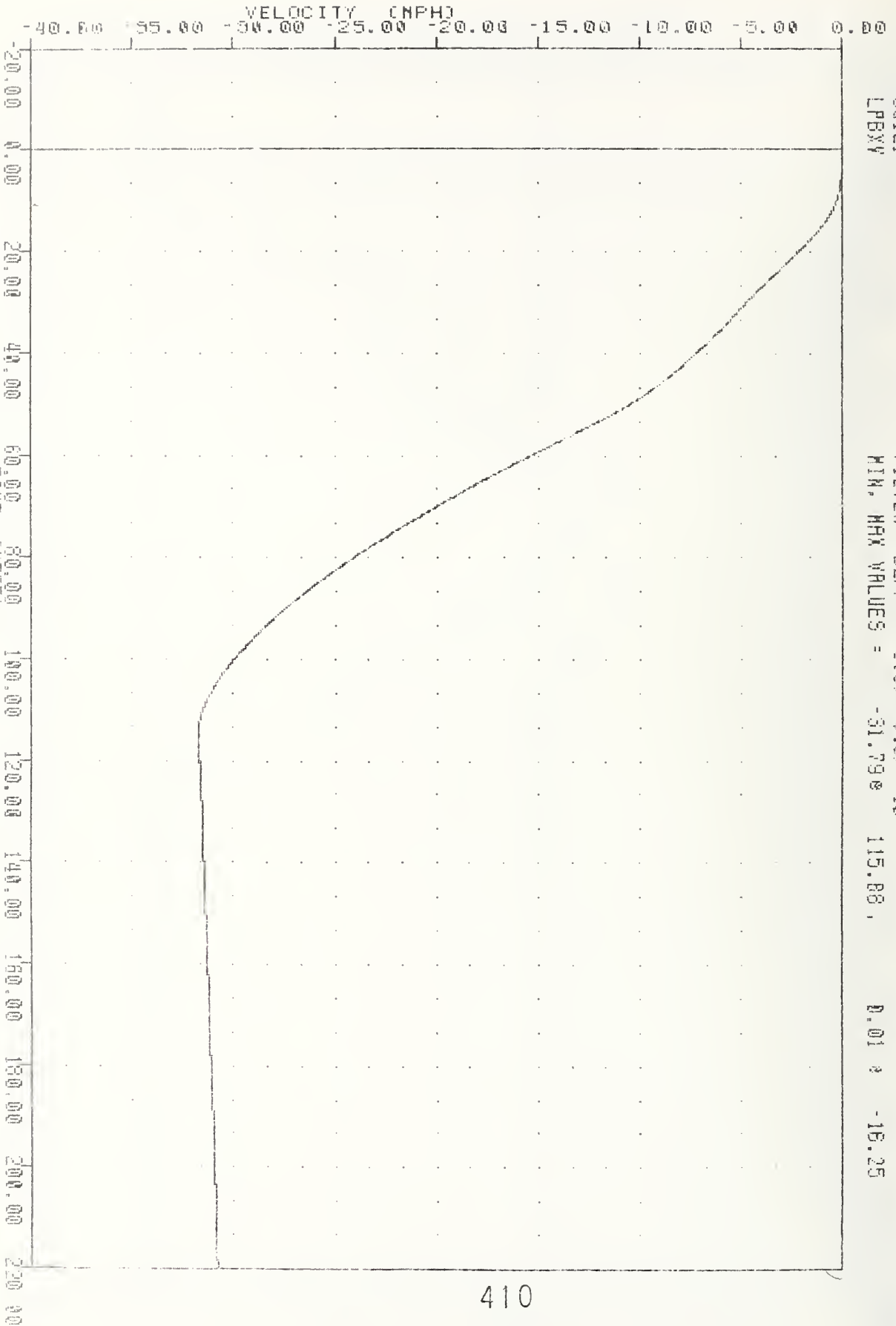


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILBR LEFT B ACCELERATION X AXIS

ORIC 805944-22
SPEED AIRSPEED SLED PROGRAM
85121
LPBXV

PLOT DATE 1-MAR-75 18:28:53
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -31.79 115.88

0.01 2 -16.25

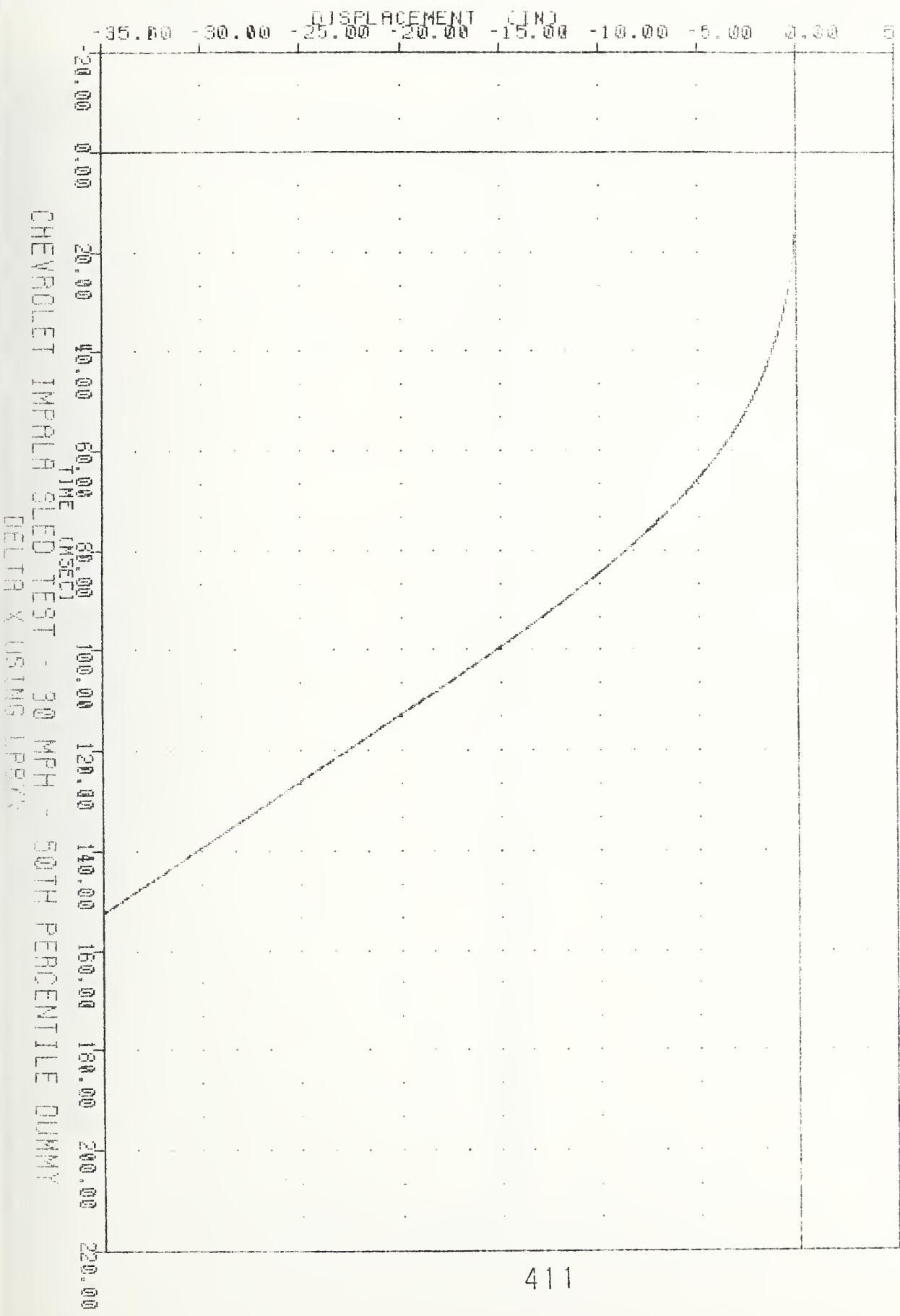


CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY

WRTI
 BREED AIRBAG SLED TEST
 85121
 LFBXD

DATE: 1/26/75
 FILTER = BLPF 300/ 529/ - 40
 MIN. MAX VALUES = -60.19 220.00

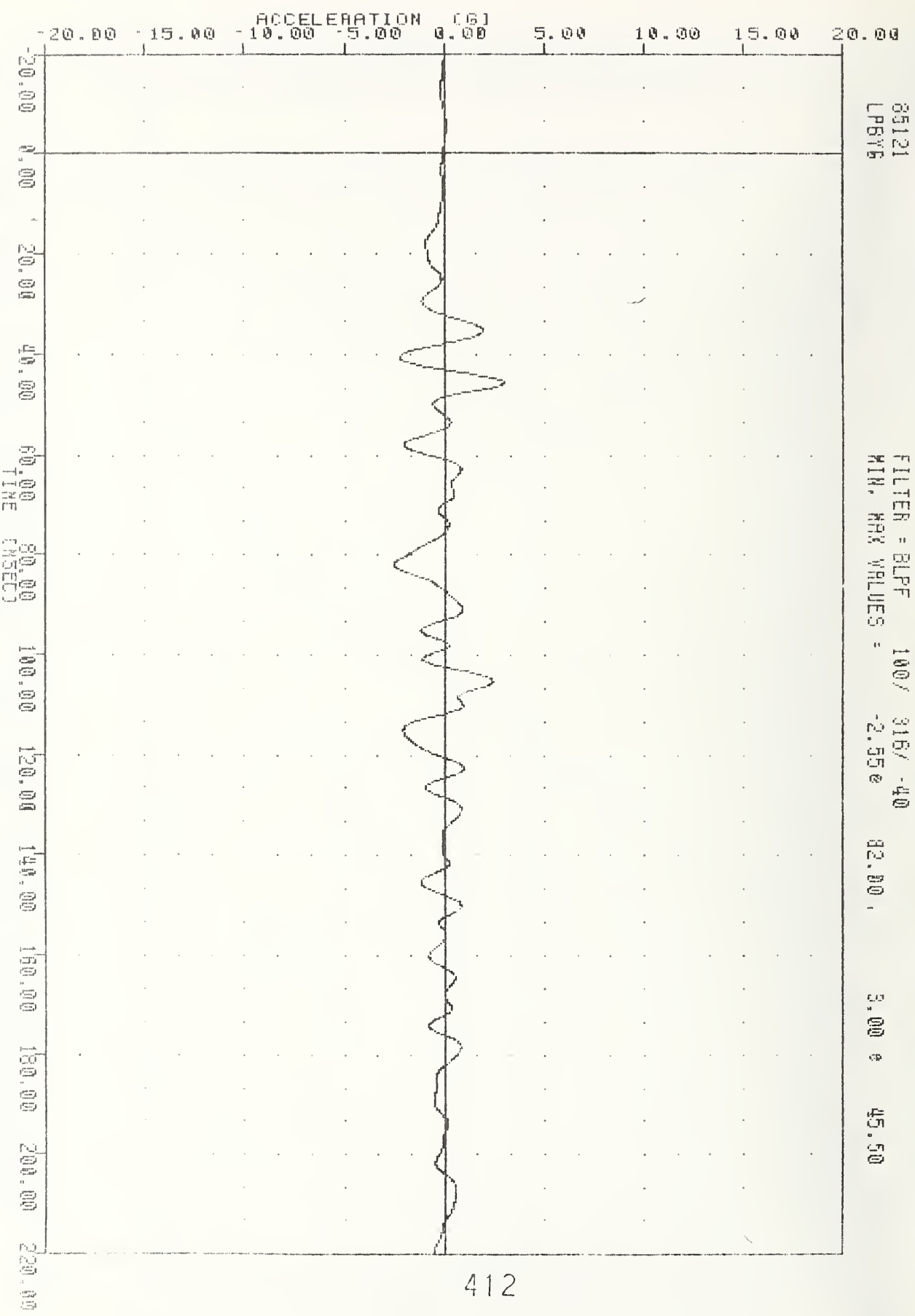
0.00 e
 -11.75



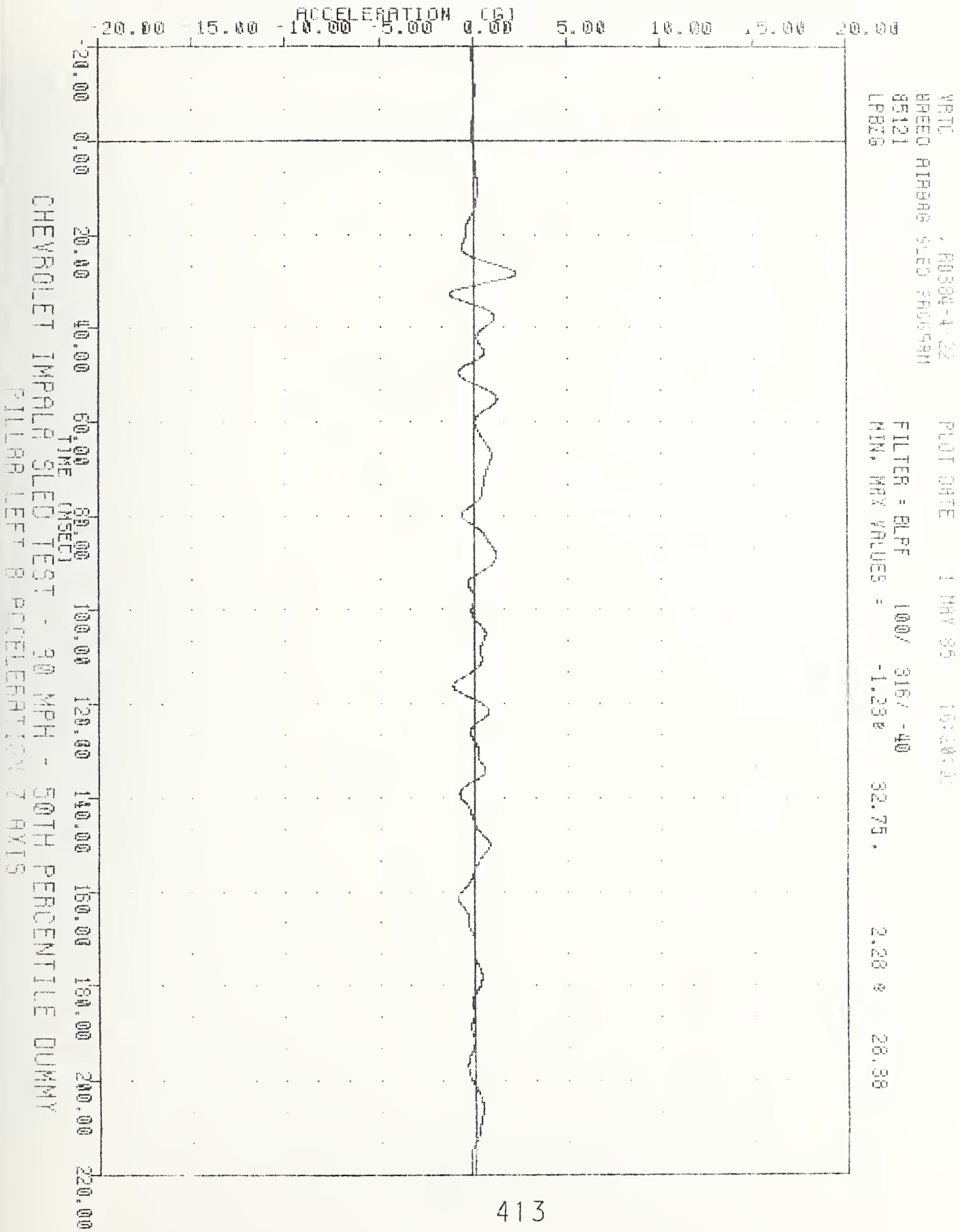
VRTC
BREED AIRBRG SLED PROGRAM
85121
LPBYB

PLOT DATE 1-MAR-85 16:20:01
FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -2.55e 32.00

3.00 e 45.50



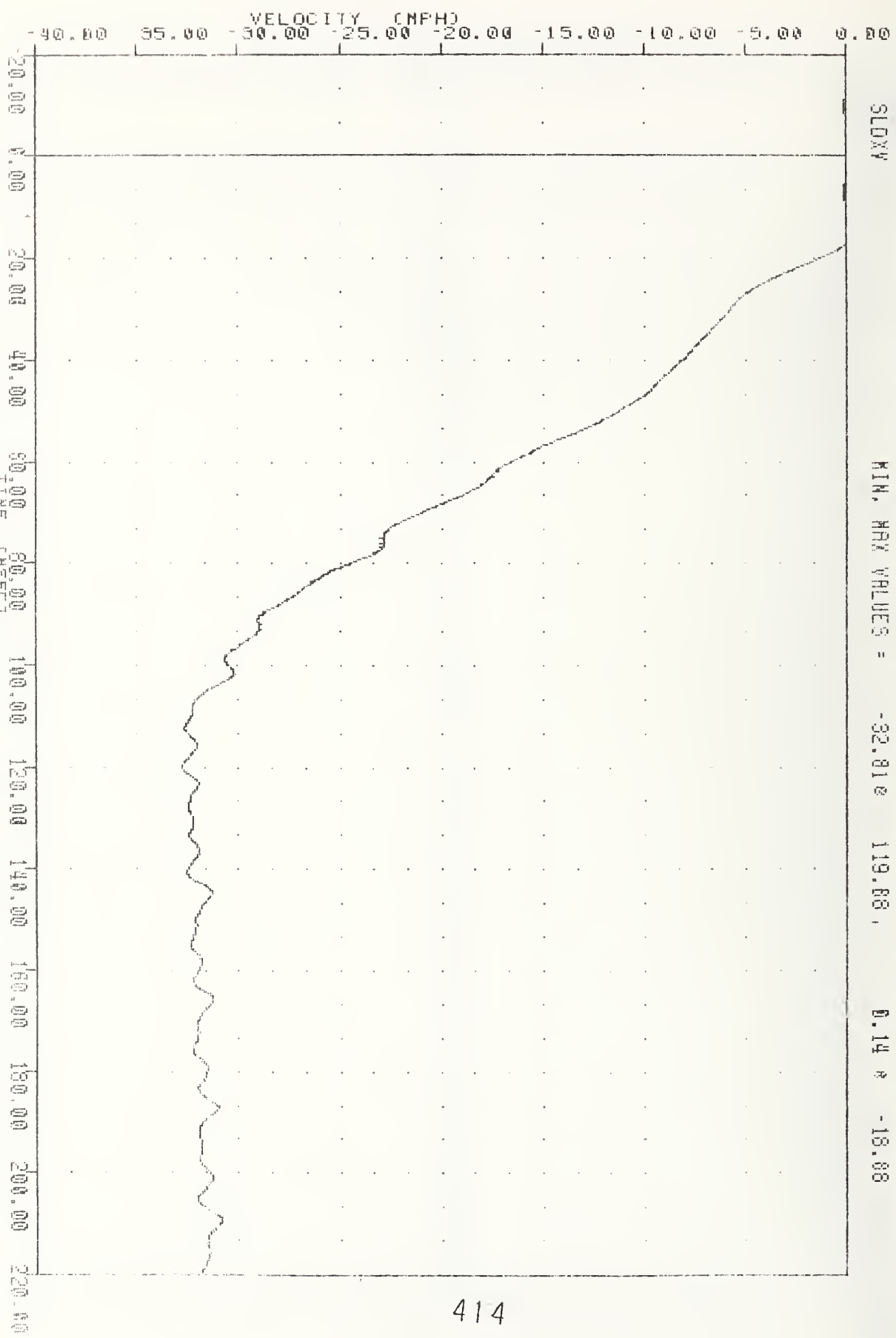
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
FILLUP DECELERATION 9.1g



VRTC
BREED AIRBORNE SLED PROGRAM
09121
SLOXY

PLUT DATE 1-APR-86 18:20:01
FILTER - HLPF 1M0/ 3167 -40
MIN. MAX VALUES = -32.818 119.881

0.14 * -18.88

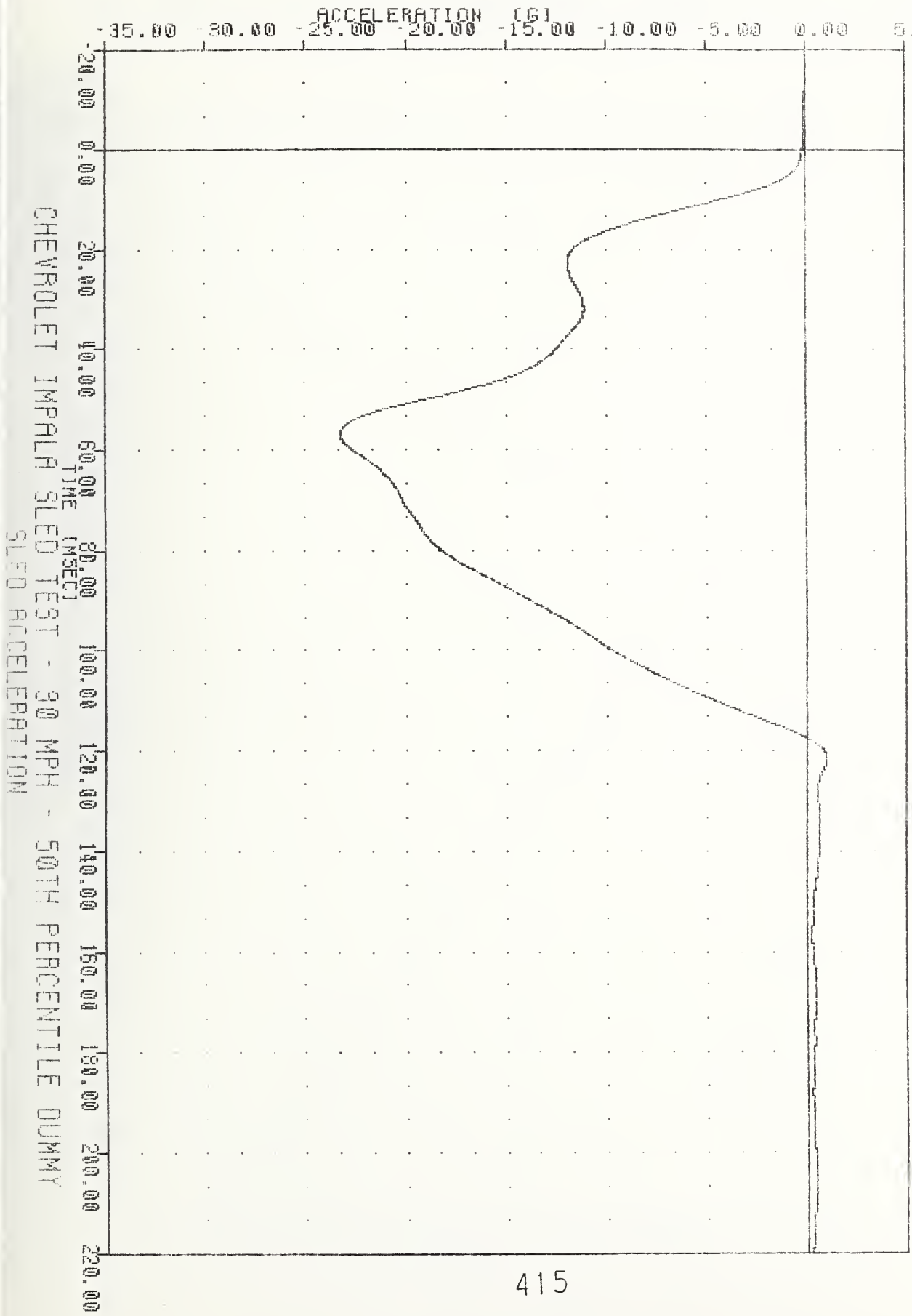


CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (MPH) VS TIME (SECS)

VRTC
BREED AIRBAG SLED PROGRAM
95121
SLOWG

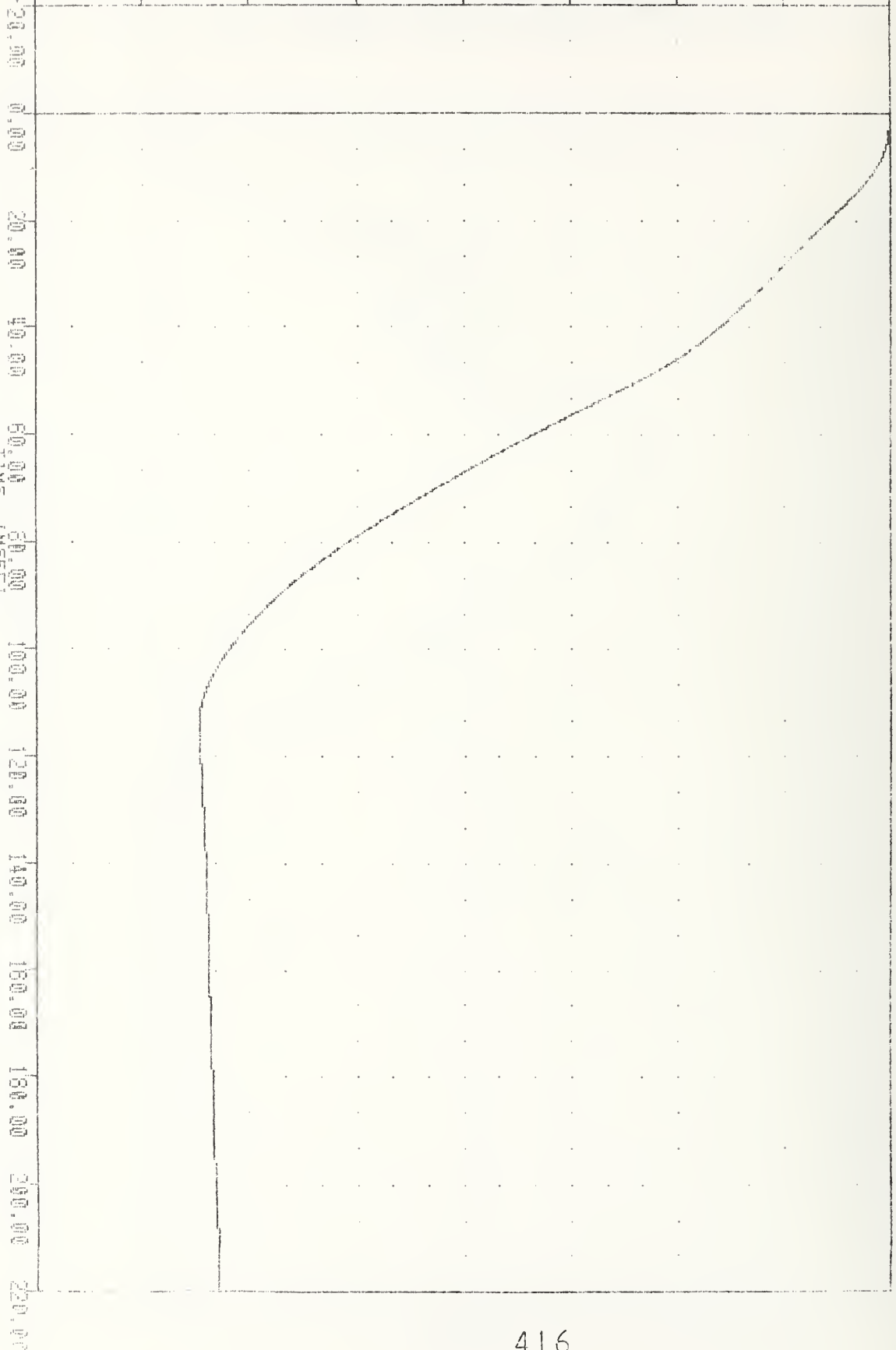
RD384-1 02
1-MAY-85 16:20:01

FILTER = BLPF 100/ 318/ -40
MIN, MAX VALUES = -23.27g 56.88g 0.95g 121.50g



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VELOCITY (MPH)



TRIC 403844-2
 SPEED RIBBER SLED F403844
 SLOWVI

PROJ: 48-85 1672075
 FILTER: RLPT 300/ 949/ -40
 MIN. MAX VALUES: -32.43 115.00

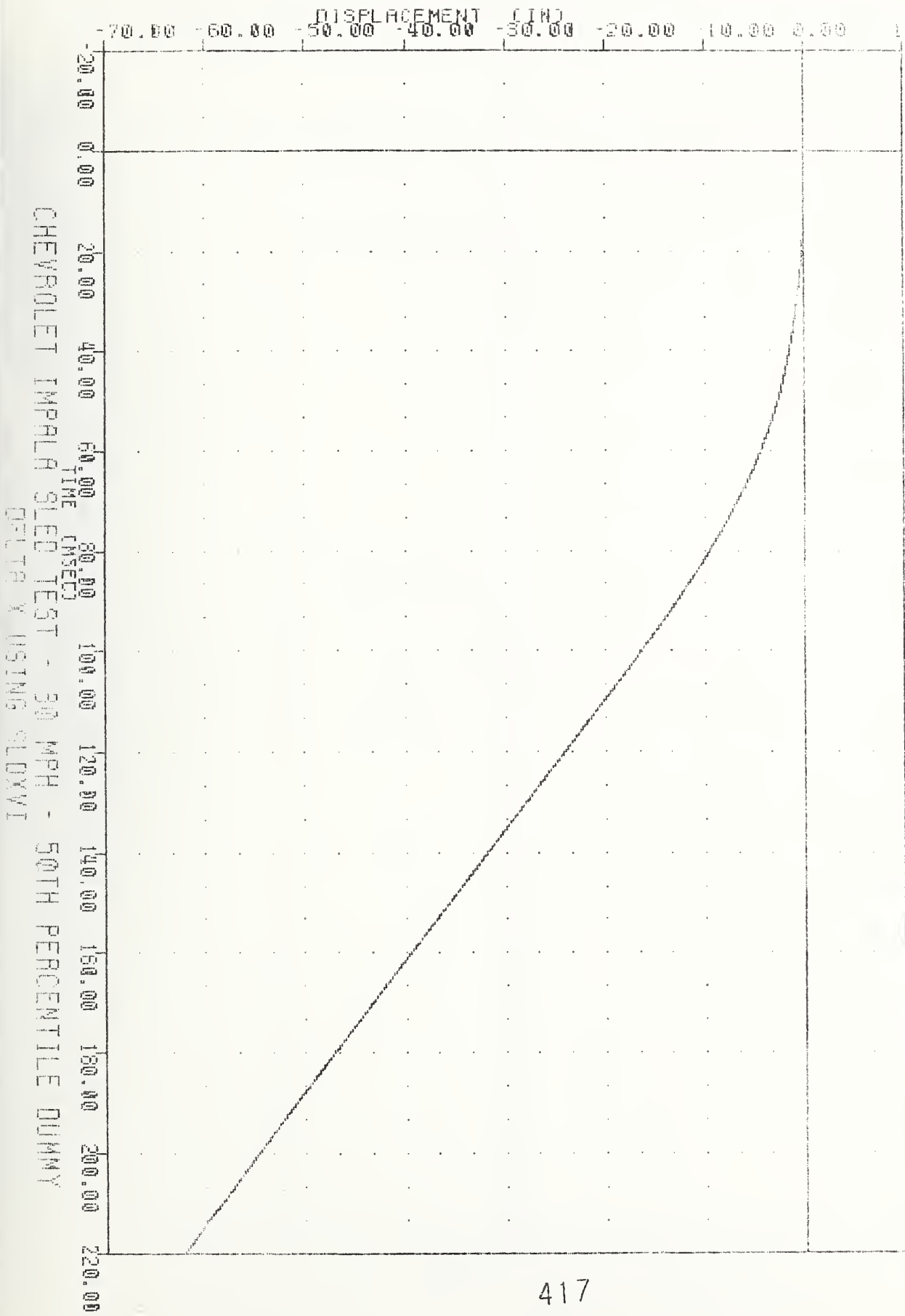
0.01 * -20.00

CHEVROLET IMPALR 3000 TEST 50 MPH 50TH PERCENTILE DUMMY

YR112
 BREED ALPHA SLED PROGRAM
 05121
 SLOWD

201 04-4-92
 01 1 051
 2 001 05 0000000000

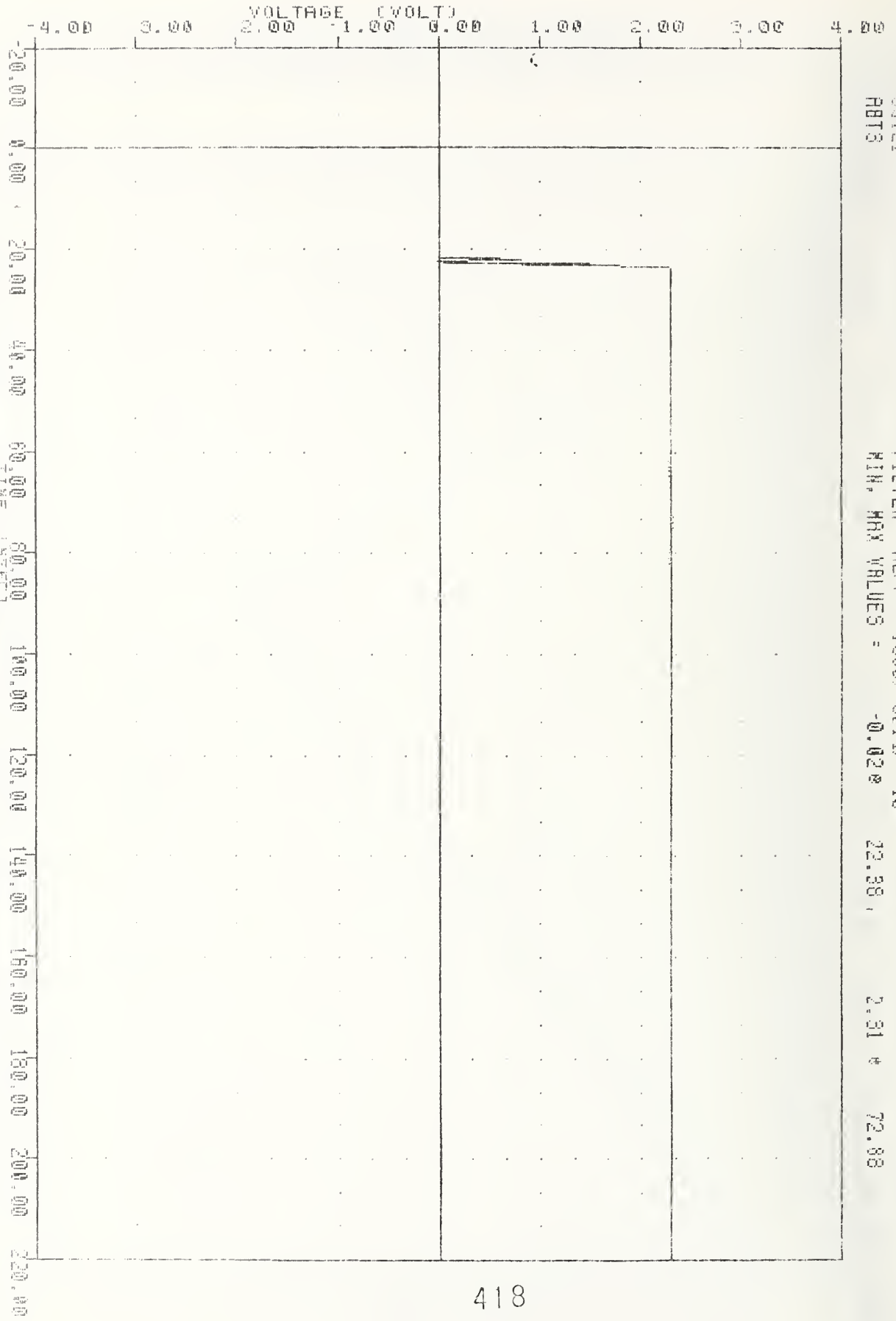
FILTER = 0LPE 300/ 0497 -40
 MIN, MAX VALUES = -62.33 220.00
 0.00 2 -13.13



WRTG
 BREED R1R0R6 SLED PROGRAM
 89121
 HBTS

* F0184-4-22
 *LOT DATE 1 APR 85 16:20:01
 FILTER = HLPF 1650/5214/-40
 MIN, MAX VALUES = -0.028 22.38

2.31 * 72.88

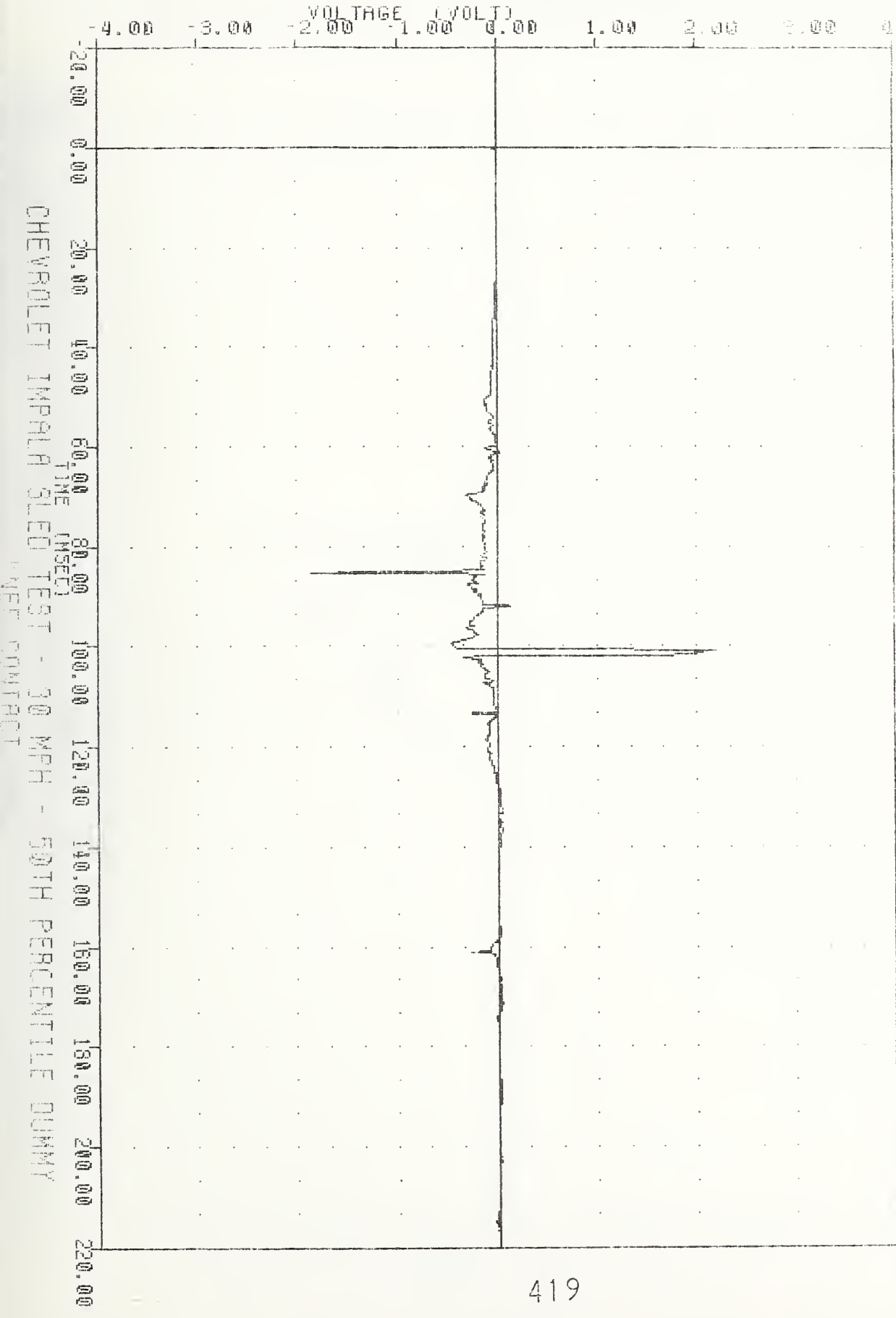


CHEMBOLE 140000 0170 TEST - 20 MPH - 50.74 PERCENTILE DUMMY
 TIME (SECT)

WRTT
 SHEED HIRBAG BLEED PROGRAM
 95121
 ABTR

* NO304-4-02
 PLOT DATE 1-MAR-85 16:20:01
 FILTER = RLPF 1650/ 5214/ -40
 MIN, MAX VALUES = -1.878 85.25,

2.19 0 100.68

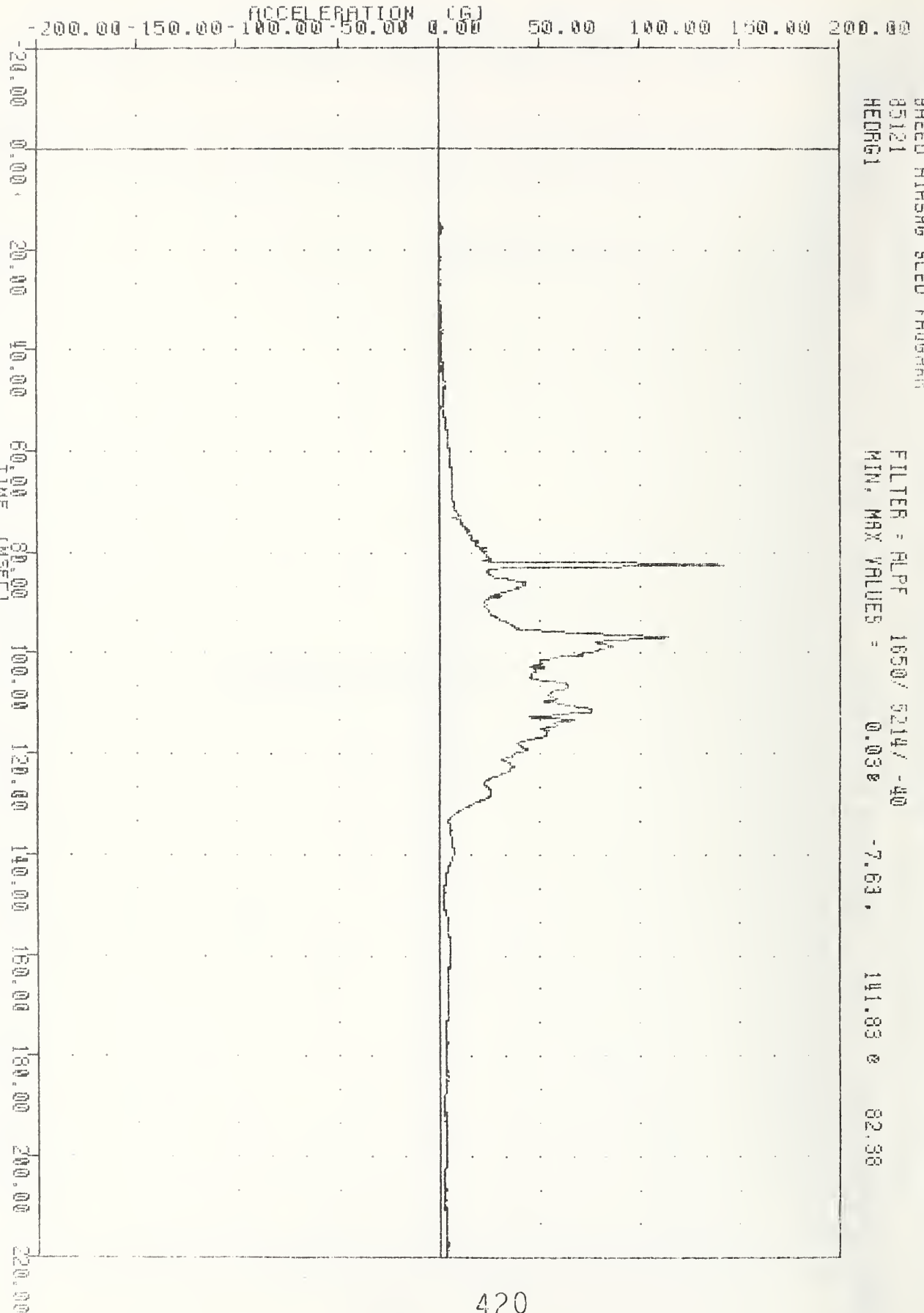


CHEVROLET IMPALA BLEED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 WRTT CONTRACT

WRTG : R03864-4-22
 BREED HIRSHS SLED PROGRAM
 85121
 HEDRG1

PLOT DATE 1-MAY-85 16:23:08
 FILTER = RLPF 1650/5214/-40
 MIN. MAX VALUES = 0.03e -7.63.

141.83 e 82.38

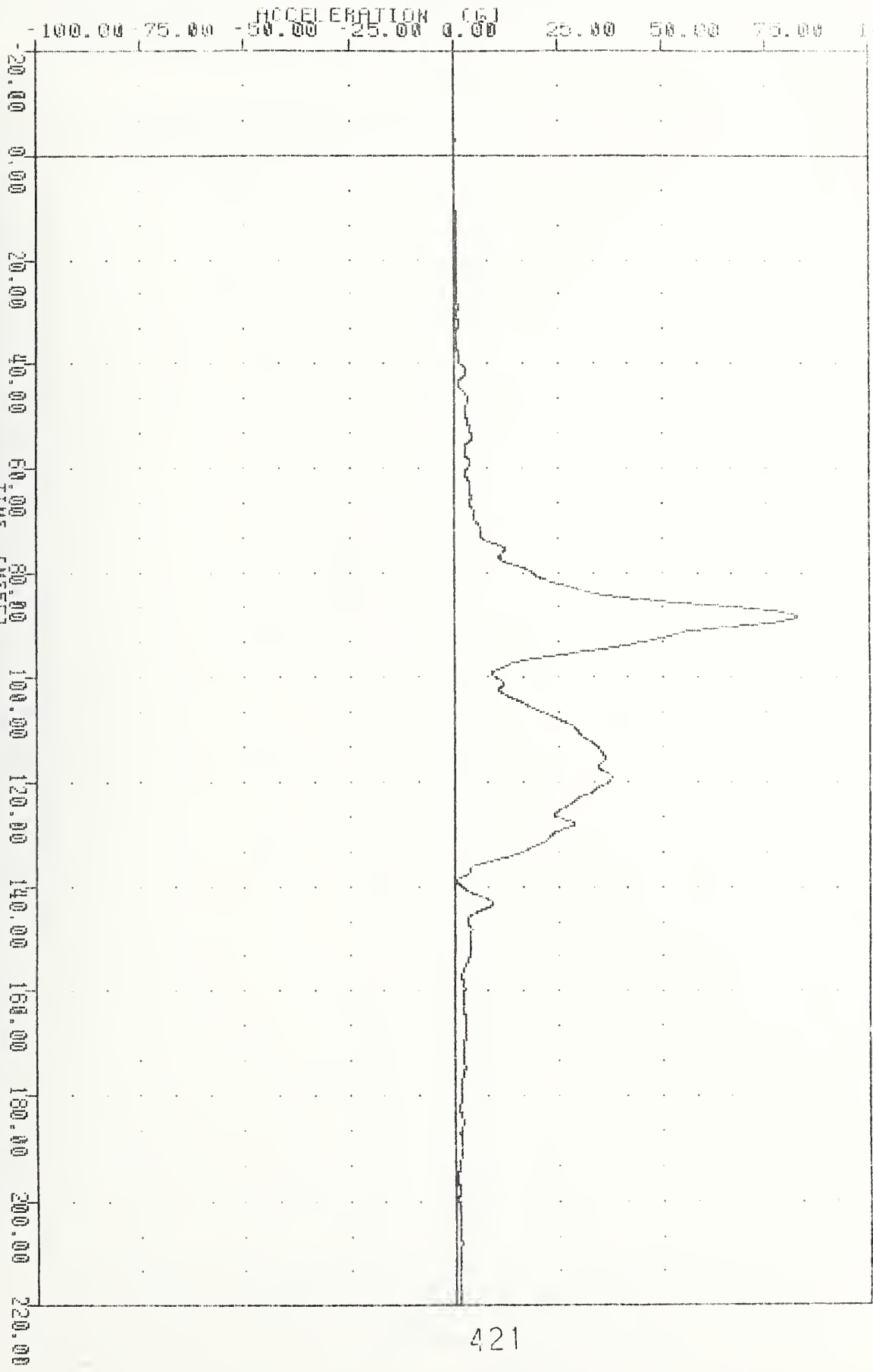


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 REPT: 85121-0001 55297 T-4

TEST ID: 40805
BPEED: H19666 SLED PROGRAM
86121
CSTRIG1

TEST DATE: 1-24-87 16:29:08
FILTER: BLPF 300 / 343 / 40
MIN, MAX VALUES = 0.018 -16.25

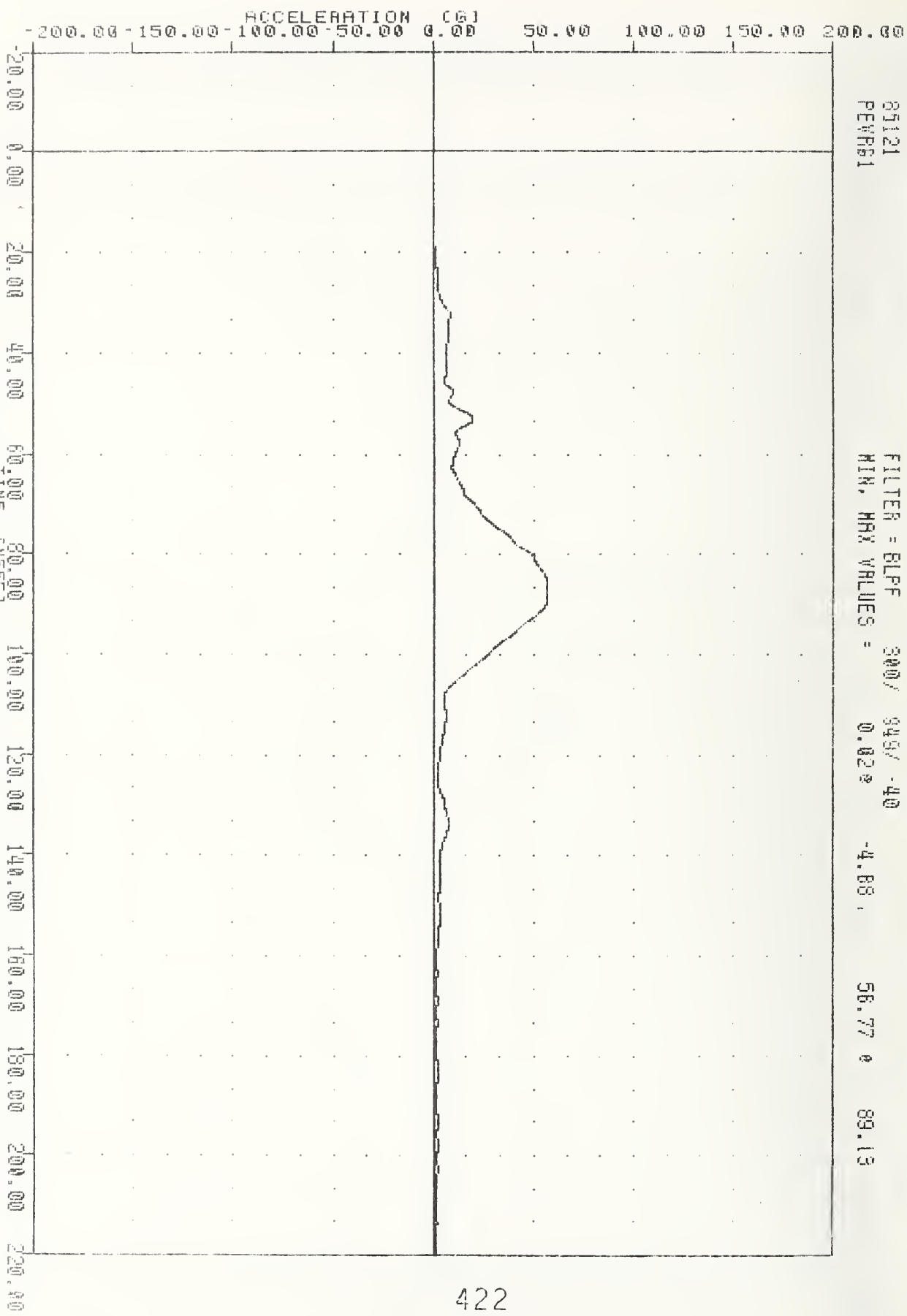
82.15 * 88.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

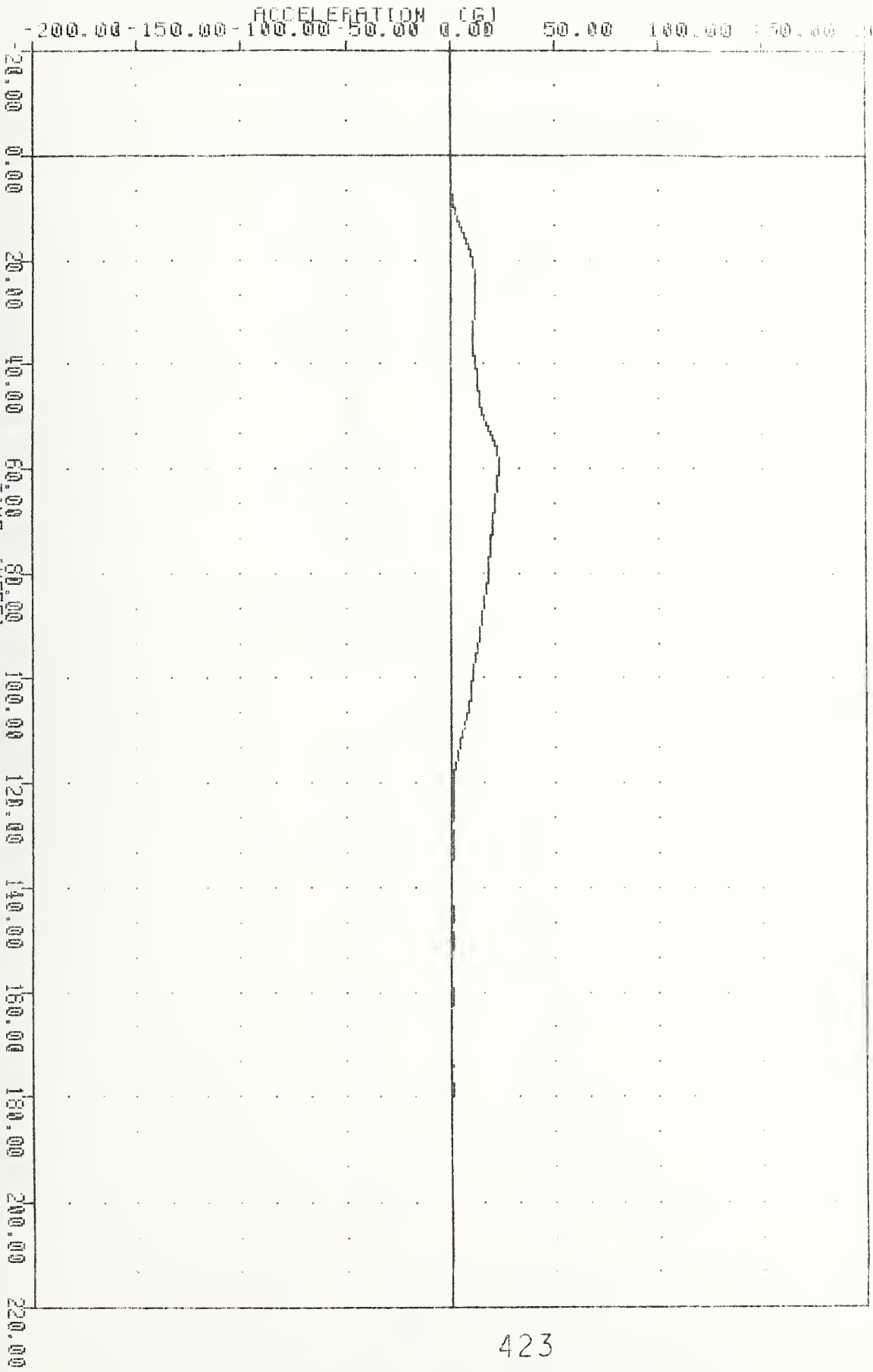
WRTD 50884-4-22
 BREED AIRBAG SLED PROGRAM
 85121
 PEVRF01

PLOT DATE 1-MAY-85 18:23:08
 FILTER = BLPF 300 / 949 / 40
 MIN, MAX VALUES = 0.02 * -4.88 , 56.77 * 89.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER P01 VIO RESULTANT

VEHICLE: 1987 CHEVROLET IMPALA
 SPEED: 30 MPH
 FILTER: 8LPPF
 MIN. MAX VALUES: 0.09g, -18.63g, 29.32g
 LPPRF: 8LPPRF

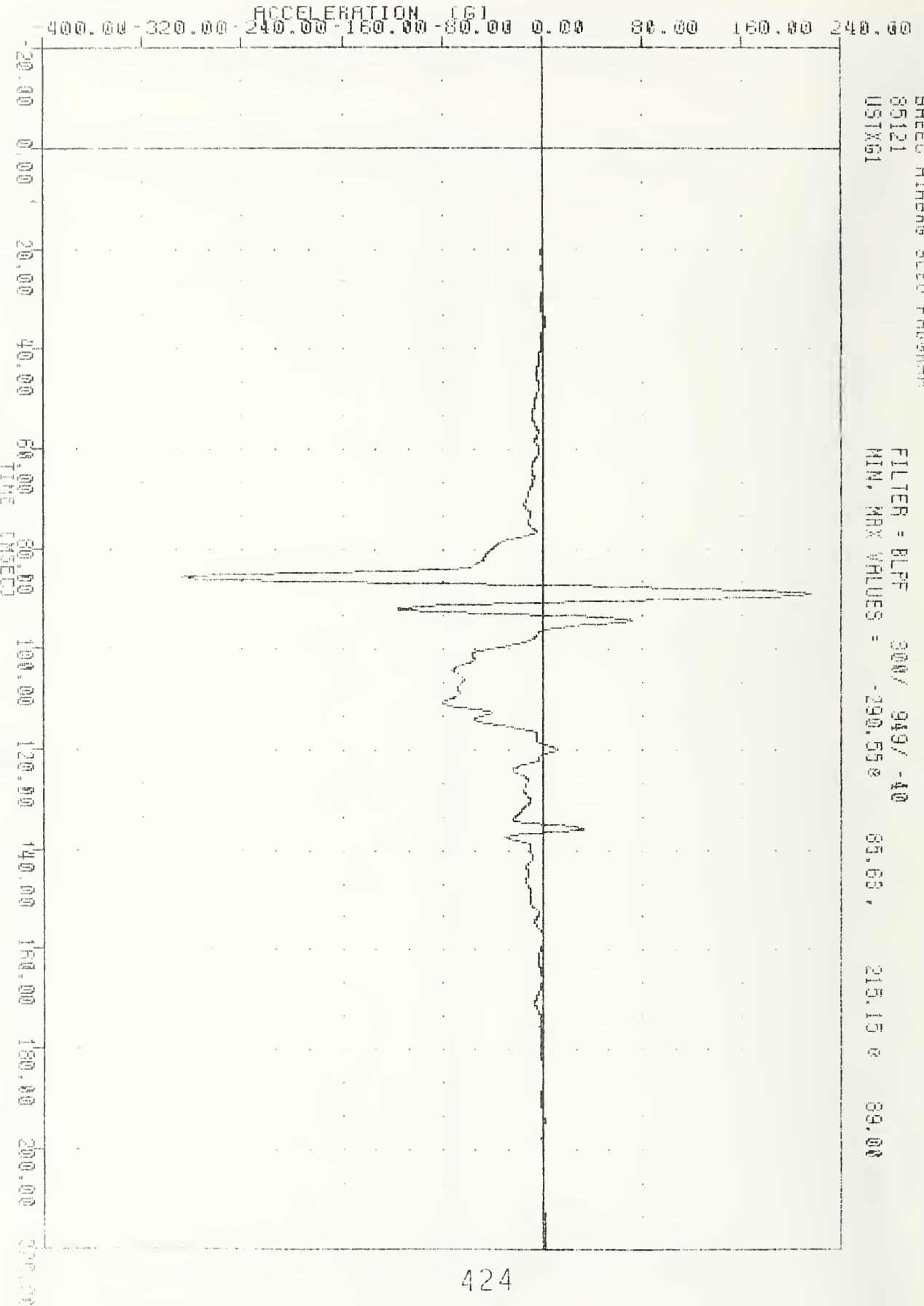


CHEVROLET IMPALA
 30 MPH
 50TH PERCENTILE DUMMY
 PULLUP LEFT 2 RESULTANT

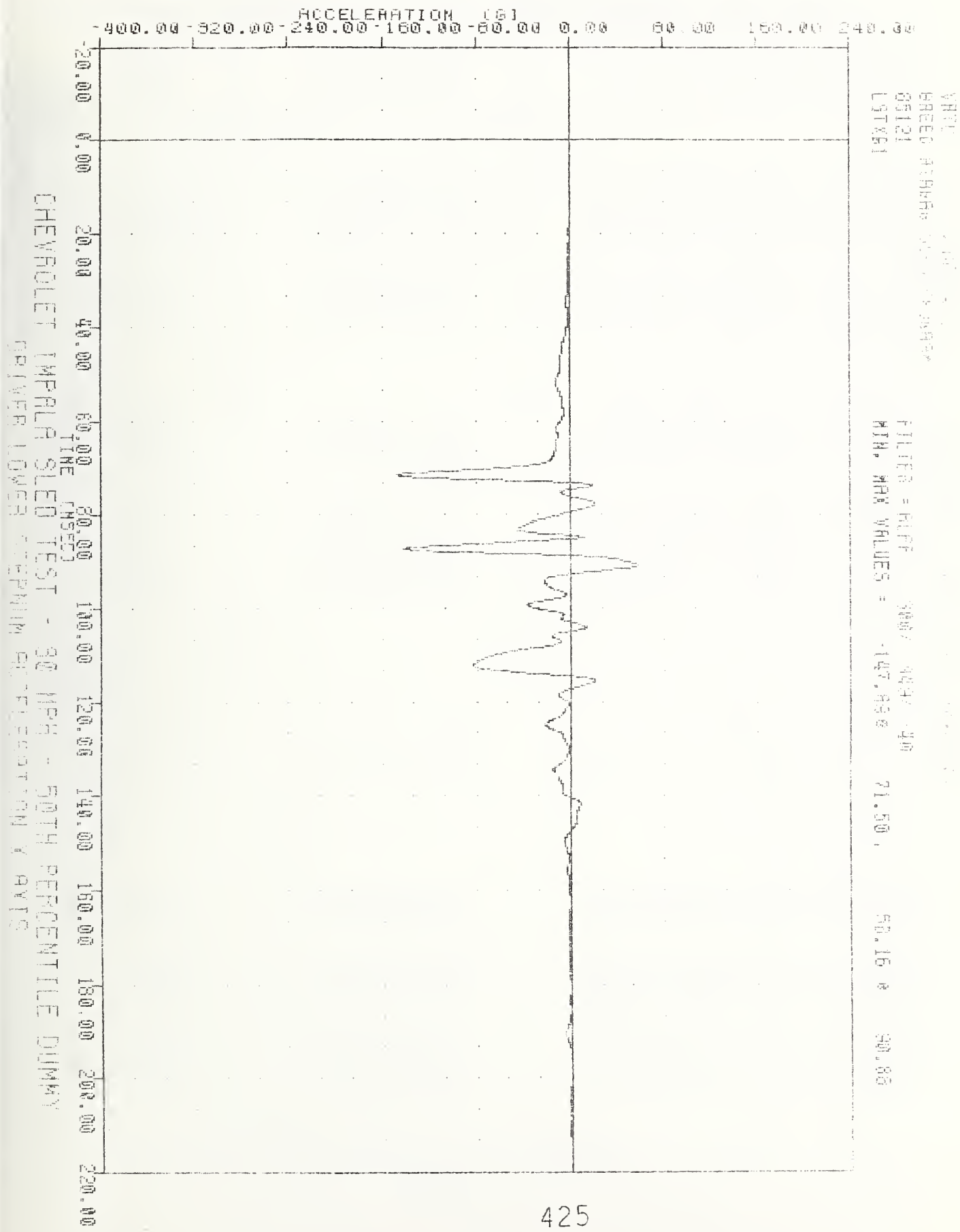
VRTC , PD364-4-22
 BREED AIRBORNE SLED PROGRAM
 85121
 USTX61

PLOT DATE 1-26-65 16:20:41
 FILTER = BLPF 300 / 949 / -40
 MIN, MAX VALUES = -290.552 85.63

215.15 e 89.00



AIRBORNE IMPACT SLED TEST - 30 MPH
 50TH PERCENTILE DUMMY

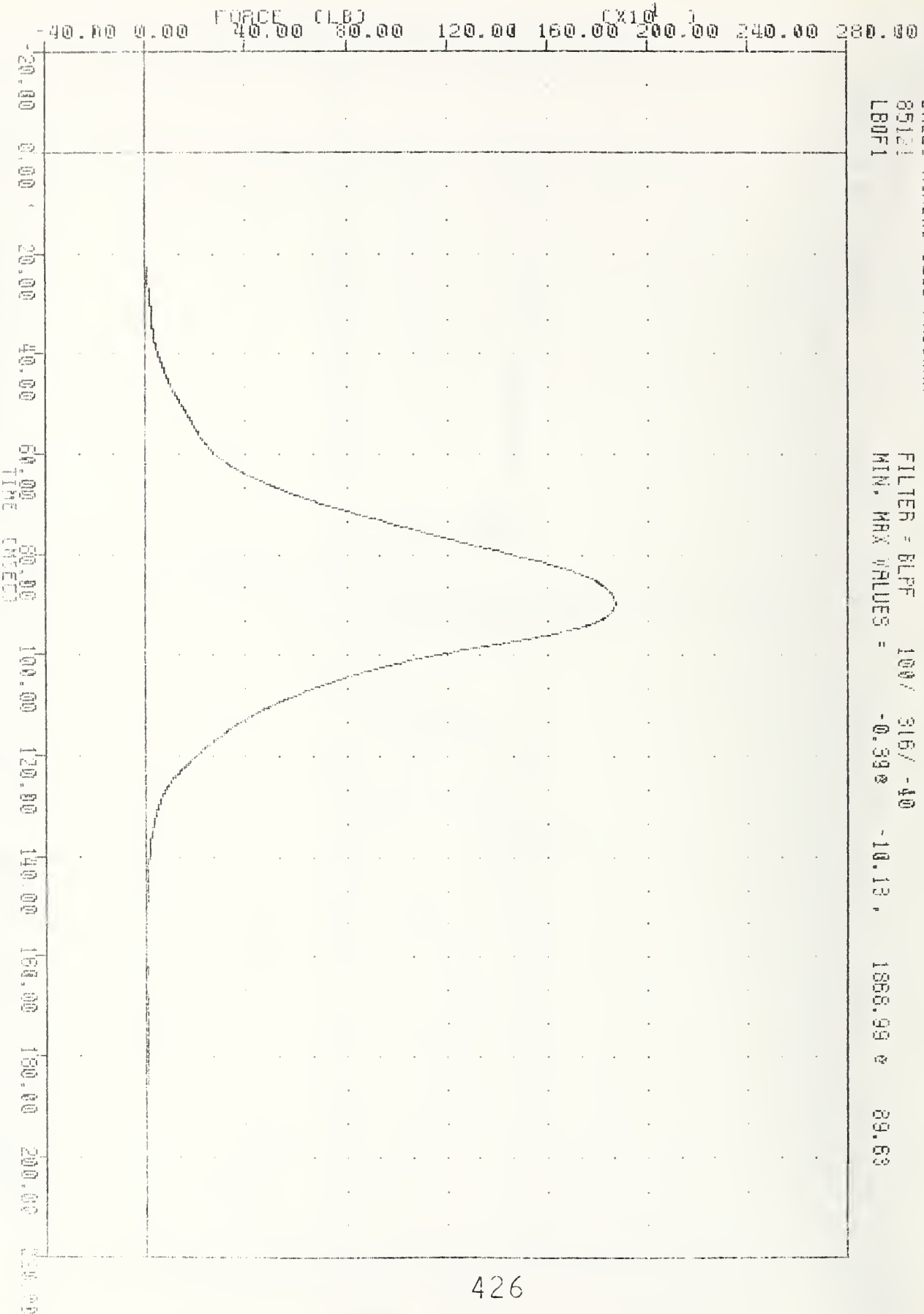


VIB
 BREED #1998# 1001-000000
 05121
 LSTX81

FILTER = HPPF 3000 4000 200
 MIN, MAX VALUES = -147.890 71.50
 50.16 @ 90.86

WRTD
 BREED AIRSAG SLED PROGRAM
 85121
 LB0F1

* 70384-4-22
 PLOT DATE 1-29-65 16:20:01
 FILTER = BLPF 100 / 316 / -40
 MIN. MAX VALUES = -0.39e -10.13 , 1868.99 e 89.63



CHEMICAL IMPACT SLED TEST - 30 MPH - 50TH PERCENTILE DUMM
 1 - 1965 PERFORM

TRC430P. RAD: 1
 VRTC RD384-4-23 BREED AIRBAG SLED PROGRAM
 85122 35.00 mph 2-MAY-85 13:27

	Min value	Max value	Data Units	Filter
1	0.059 @	1.604 @	mph	ALPF 1650/ 5214/ -40
2	-39.171 @	0.191 @	mph	ALPF 100/ 316/ -40
3	-25.802 @	0.948 @	g	BLPF 100/ 316/ -40
4	-156.691 @	10.573 @	g	ALPF 1650/ 5214/ -40
5	-45.911 @	0.610 @	g	ALPF 1650/ 5214/ -40
6	-0.827 @	87.121 @	g	ALPF 1650/ 5214/ -40
7	-56.369 @	8.560 @	g	BLPF 300/ 949/ -40
8	-18.459 @	3.041 @	g	BLPF 300/ 949/ -40
9	-11.663 @	9.261 @	g	BLPF 300/ 949/ -40
10	-59.392 @	8.225 @	g	BLPF 300/ 949/ -40
11	-48.418 @	4.020 @	g	BLPF 300/ 949/ -40
12	-33.411 @	2.389 @	g	BLPF 300/ 949/ -40
13	-6.292 @	8.265 @	g	BLPF 300/ 949/ -40
14	-31.220 @	2.291 @	g	BLPF 300/ 949/ -40
15	-279.213 @	106.402 @	lb	BLPF 1000/ 3162/ -40
16	-451.625 @	388.298 @	lb	BLPF 1000/ 3162/ -40
17	-25.626 @	0.815 @	g	BLPF 100/ 316/ -40
18	-2.039 @	2.366 @	g	BLPF 100/ 316/ -40
19	-1.456 @	1.269 @	g	BLPF 100/ 316/ -40
20	-0.512 @	2506.801 @	lb	BLPF 100/ 316/ -40
21	-0.086 @	1427.409 @	lb	BLPF 100/ 316/ -40
22	-0.005 @	2.341 @	volt	ALPF 1650/ 5214/ -40
23	-0.494 @	2.138 @	volt	ALPF 1650/ 5214/ -40

TRC430IP. RAD: 1
 VRTC RD384-4-23 BREED AIRBAG SLED PROGRAM
 85122 35.00 mph 2-MAY-85 13:27

	Min value	Max value	Data Units	Filter
1	-43.729 @	0.238 @	mph	BLPF 300/ 949/ -40
2	-60.875 @	-0.036 @	mph	BLPF 300/ 949/ -40
3	-43.795 @	-0.032 @	mph	BLPF 300/ 949/ -40
4	-69.000 @	-0.018 @	mph	BLPF 300/ 949/ -40
5	-26.874 @	0.041 @	mph	BLPF 300/ 949/ -40
6	-45.761 @	0.025 @	mph	BLPF 300/ 949/ -40
7	-38.757 @	0.020 @	mph	BLPF 300/ 949/ -40
8	-72.805 @	0.013 @	mph	BLPF 300/ 949/ -40
9	-37.970 @	0.009 @	mph	BLPF 300/ 949/ -40
10	-70.335 @	0.001 @	mph	BLPF 300/ 949/ -40

TRC430RP. RAD: 1
 VRTC RD384-4-23 BREED AIRBAG SLED PROGRAM
 85122 35.00 mph 2-MAY-85 13:27

	Min value	Max value	Data Units	Filter
1	0.030 @	168.332 @	g	ALPF 1650/ 5214/ -40
2	0.067 @	58.316 @	g	BLPF 300/ 949/ -40
3	0.043 @	45.736 @	g	BLPF 300/ 949/ -40
4	0.079 @	25.642 @	g	BLPF 100/ 316/ -40

HEMRG1

* * * HIC computation for LSLED,BREEDJTRCA30RP,RAD;1 2-MAY-85 13:45:47

HEMRG1 VRTC RD384-4-23 85122 BREED AIRBAG SLED PROGRAM

Using time range = 0.000 to 220.000 msec Peak accel = 168.33 @ 85.750

HIC = 1137.60 Interval from 74.000 [753] to 117.500 [1101]

HIC = 820.96 Interval from 90.875 [888] to 105.875 [1008]

R SYSP:THREEMS

*** Three ms clip program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRCA30RP

File TRCA30RP -> 4 data channels from -20.000 to 220.000 msec

Reference channel length = 1921, Deltax = 0.125000

VRTC RD384-4-23 BREED AIRBAG SLED PROGRAM 35.00 mph

HEMRG1 CSTRG1 PEVRG1 LFBRG

Enter channel name -> CSTRG1
LSLED,BREEDJTRCA30RP,RAD;1 35.0 mph 85122 VRTC RD384-4-23
BREED AIRBAG SLED PROGRAM
Deltax: 0.125 2-MAY-85 13:46:52

3 MS CLIP PEAK: 51.14685

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> EXIT

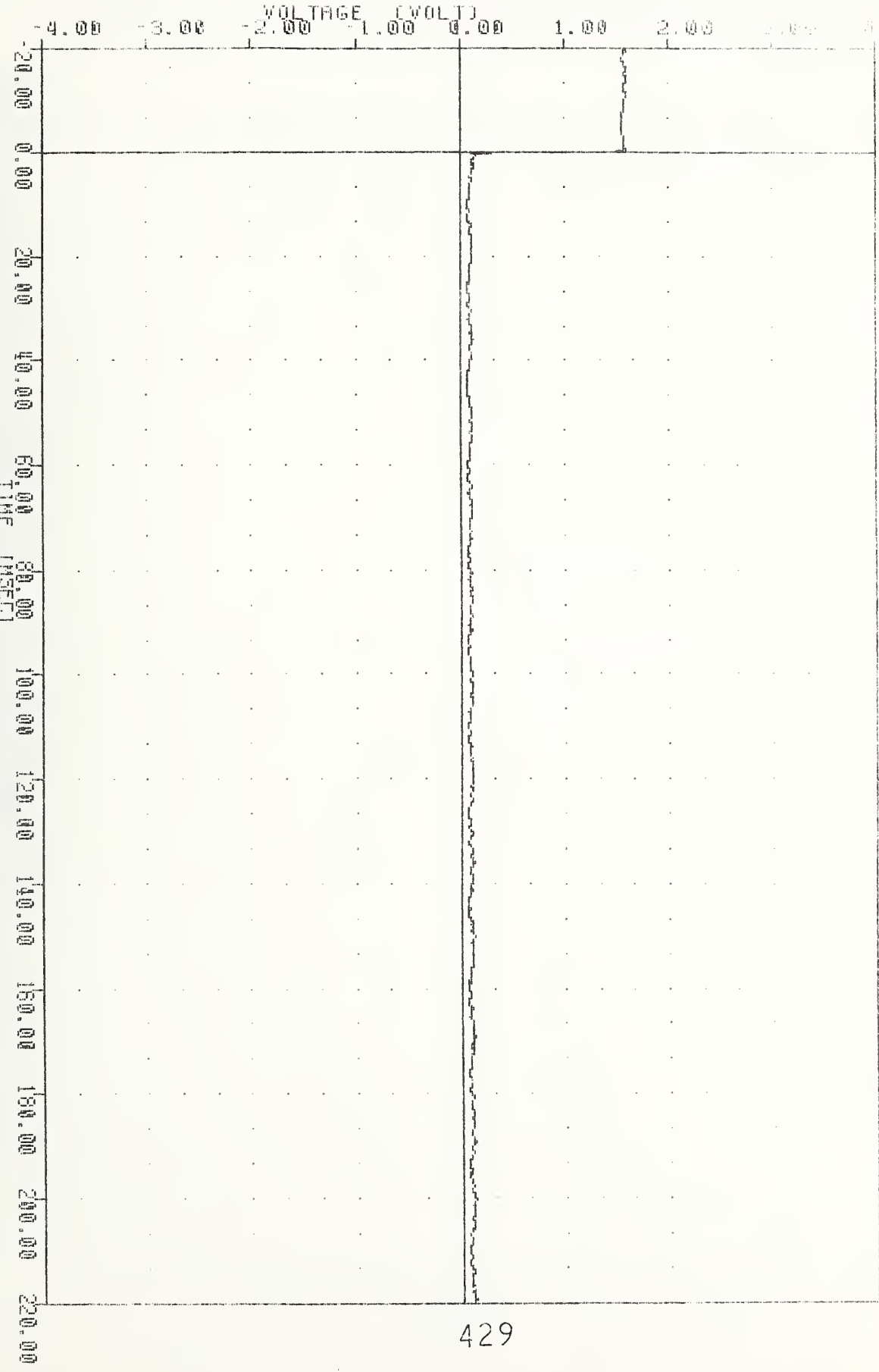
Enter input filespec -> EXIT

\$

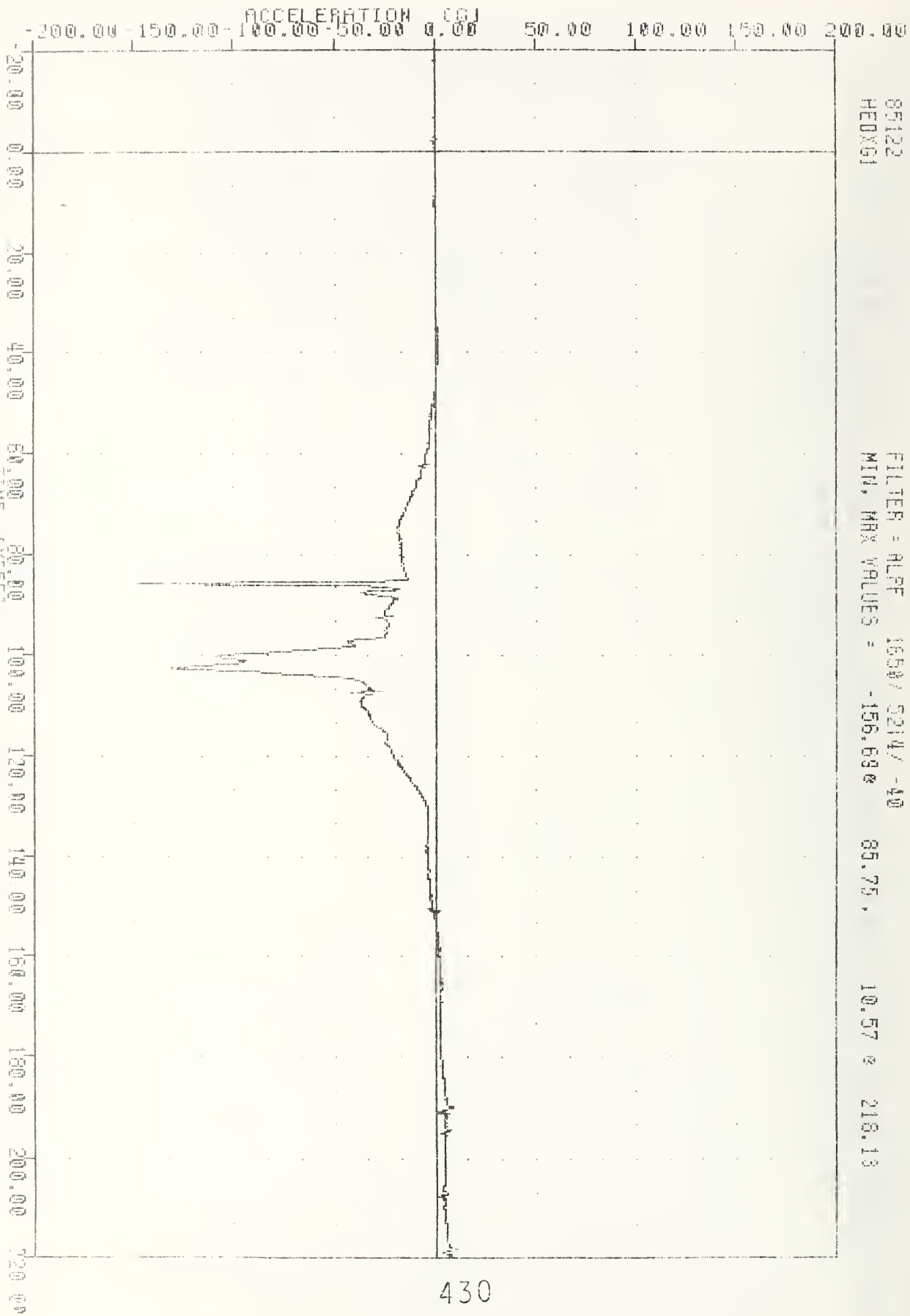
VPTC 1-20-50
 SPEED RIBBON 5L50 PROGRAM
 85122
 EVENT

FILTER = ALPF 1650/5214/-40
 MIN. MAX VALUES = 0.058 12.75

1.50 * -13.06



CHEVROLET IMPALER SELED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 EVENT



UNIT: *AD944.4.25
 SPEED HIBERN'S SLEEP PROGRAM
 HDXG61 85122

PLUT DATE: 2-28-05 14:02:19
 FILTER = ALPF 1650 / 5214 / -40
 MIN, MAX VALUES = -156.69 85.75

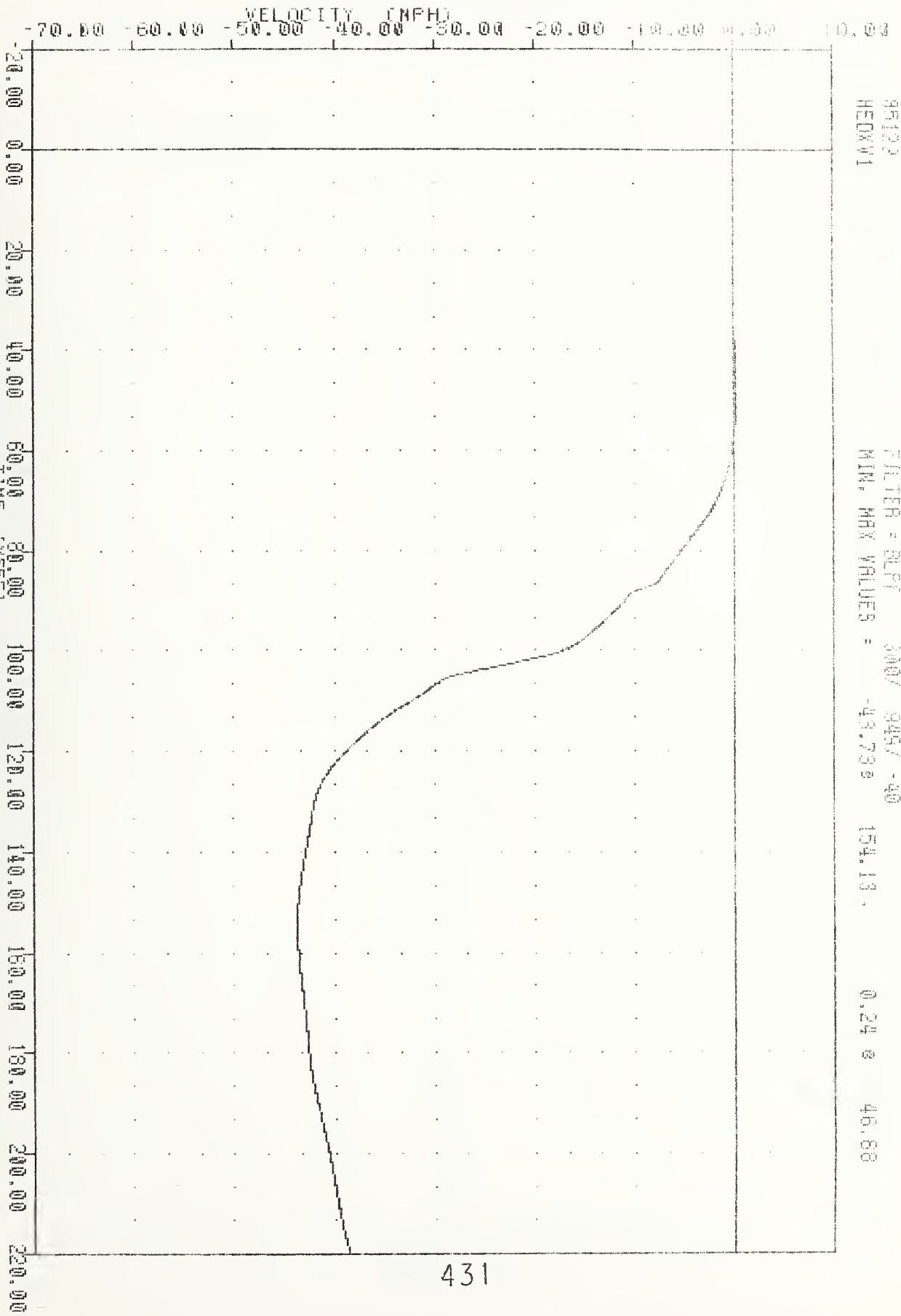
10.57 218.13

CHEVROLET TRUCK
 TIME (SECS)
 25 HZ
 20 HZ
 15 HZ
 10 HZ
 5 HZ
 0 HZ

SPEED RIBBON PLED PROGRAM
 95122
 HEDXW1

FILTER = RLPT 300/ 949/ -40
 MIN. MAX VALUES = -43.79 154.13

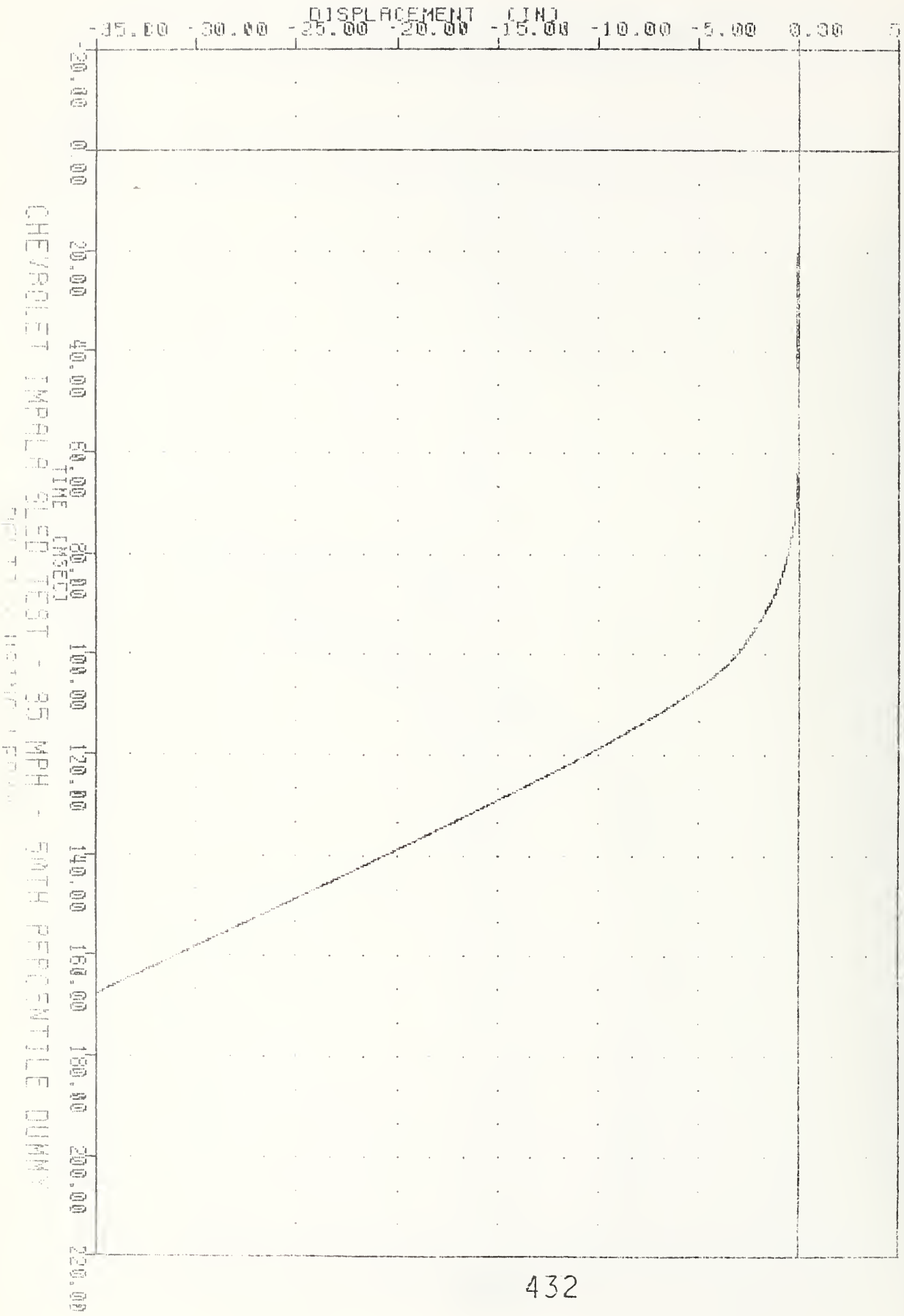
0.24 46.88



CHEVROLET IMPALA PLED TEST - 95 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING HEDXG1

UNIT
 BREED AIRBAG SLED PROGRAM
 85122
 HEDXD1

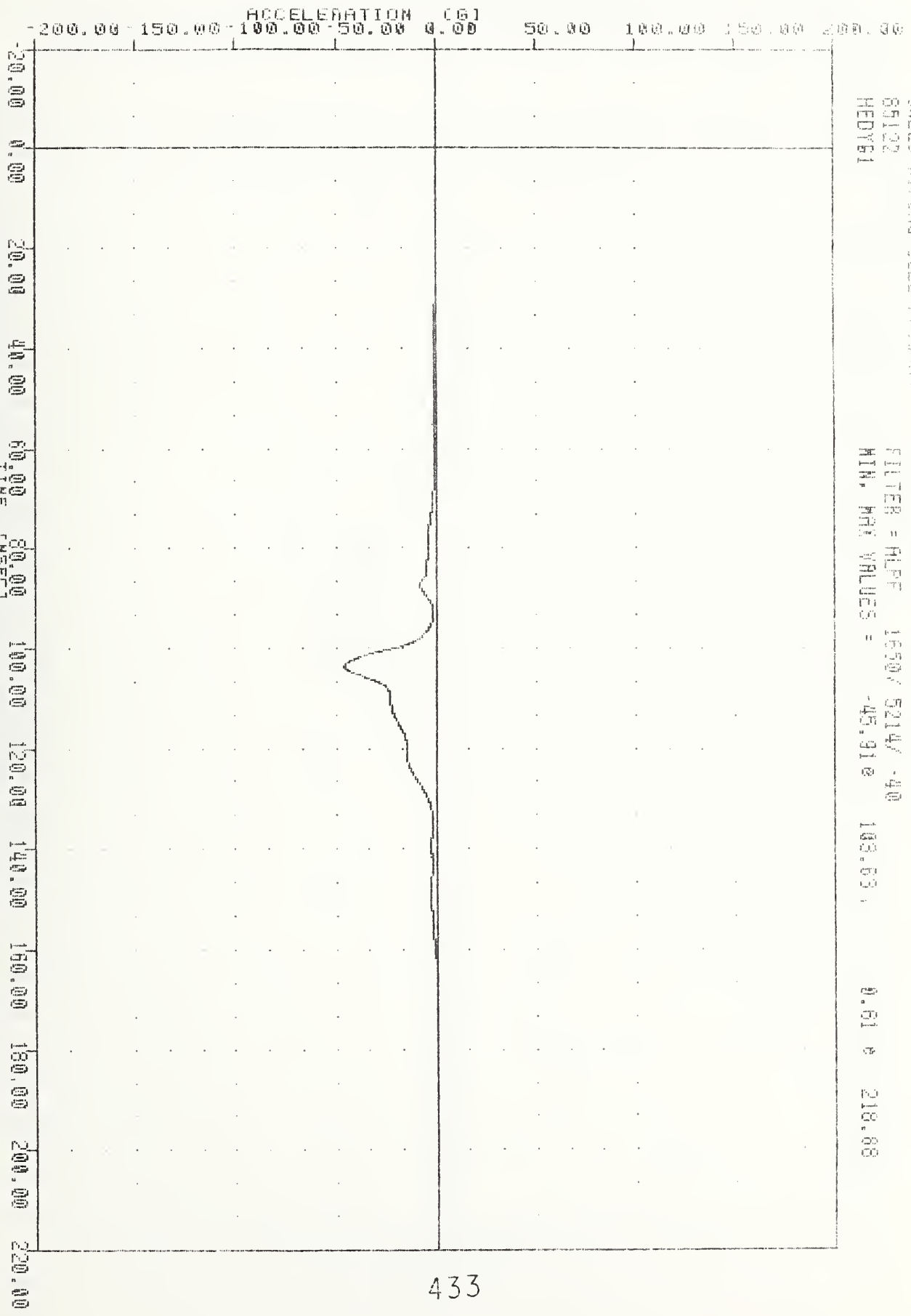
• R0308-4-29
 9:01:58
 2 MAR 85
 14:09:32
 FILTER = 0LFF
 30W/ 943/-10
 MIN. MAX VALUES = -60.800 228.00 , -0.04 0 -20.00



VEHICLE: CHEVROLET
 SPEED: 35 MPH
 SLED: 50102
 HEAD: HEDY61

FILTER = ALPF 1650 / 5214 / -40
 MIN. MAX VALUES = -45.91 @ 103.63

0.61 @ 218.68

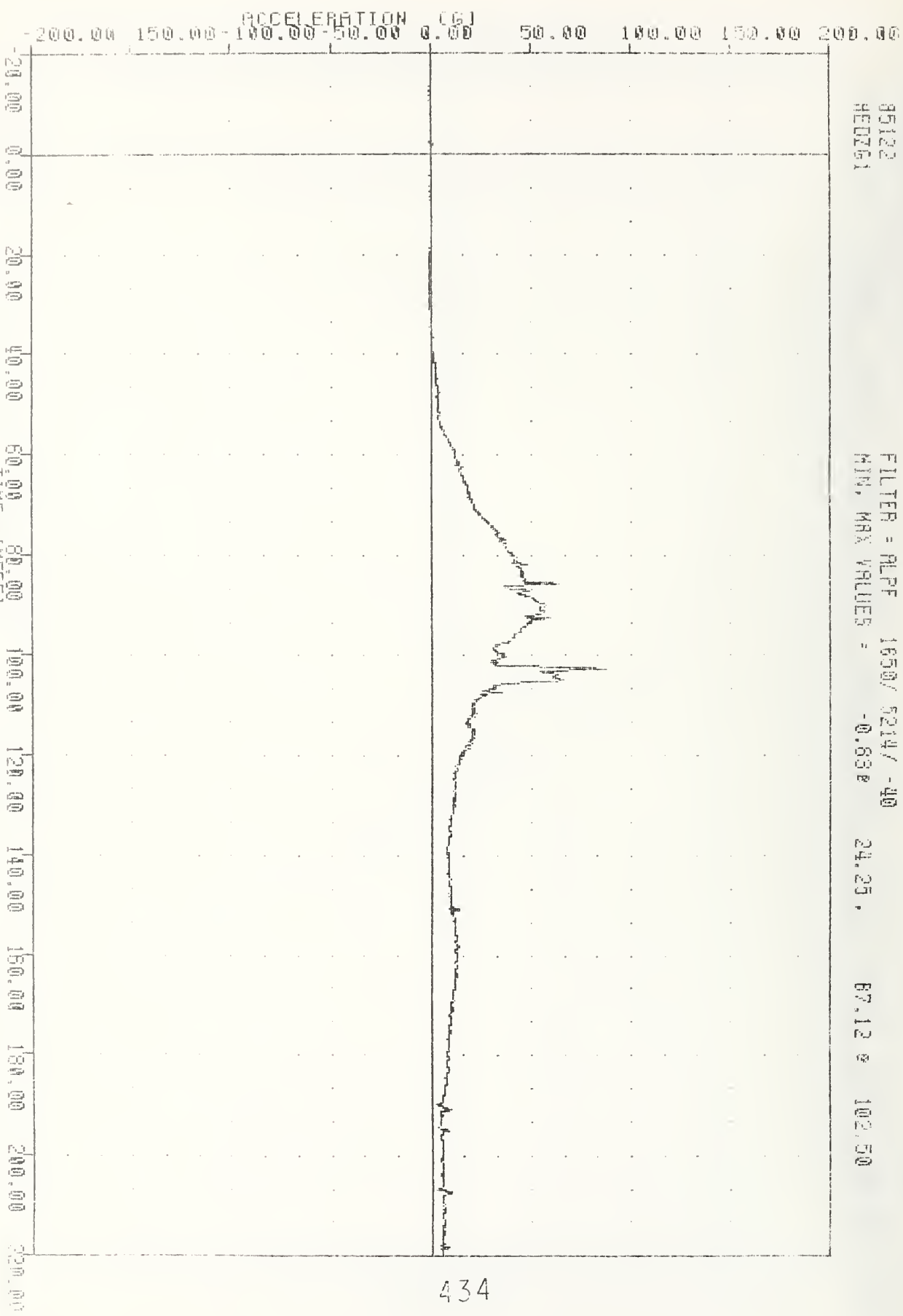


UNIT : MILES PER HOUR
SPEED HUBERS BLEED PROGRAM
85122
HEADS1

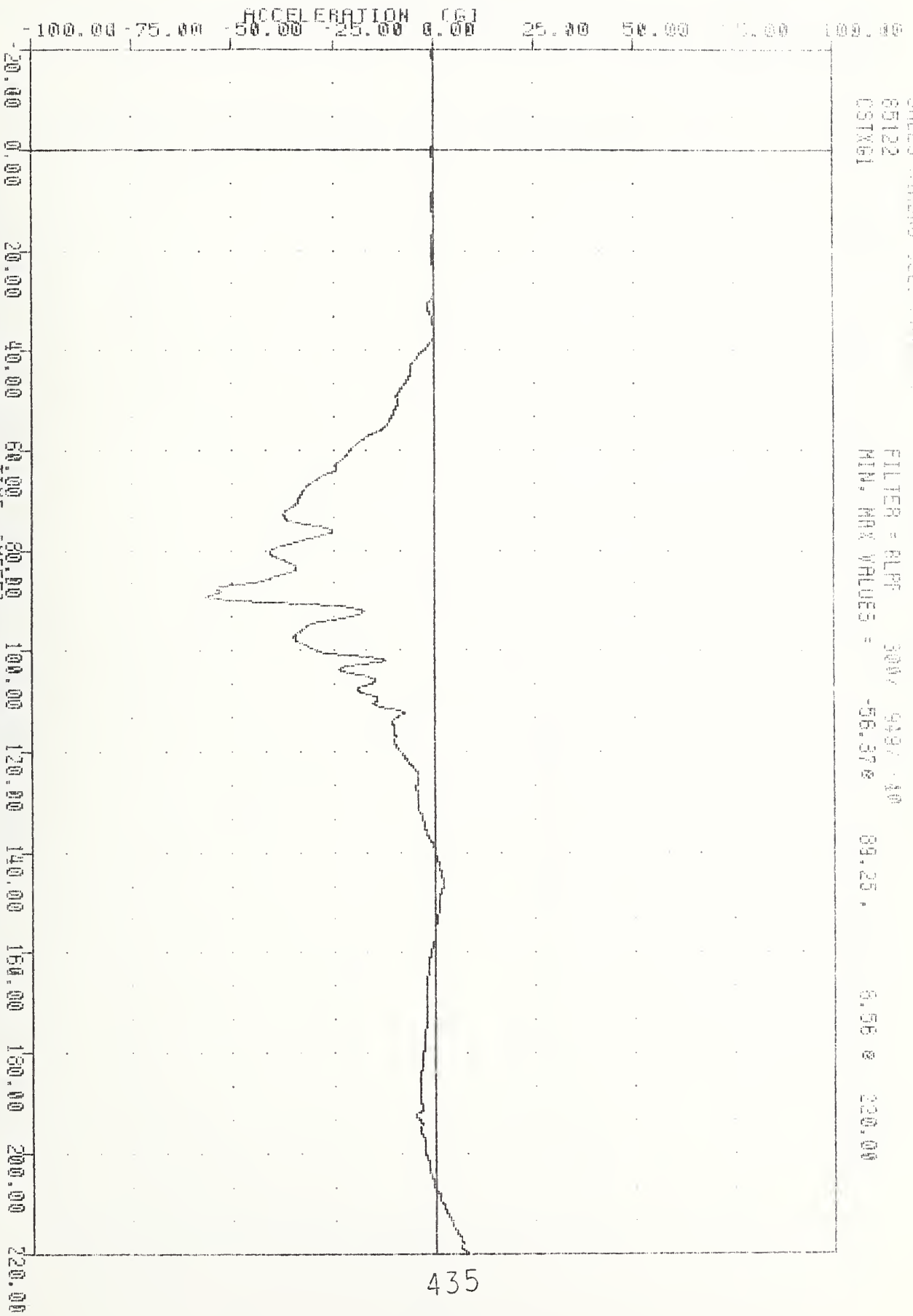
PLOT DATE : 2-MAR-85 14:02:19
FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -0.838 24.25

87.12 102.50

ACCELERATION G/G



CHEVROLET IMPALA 3.00 TEST - 35 MPH - 70TH PERCENTILE DUMM



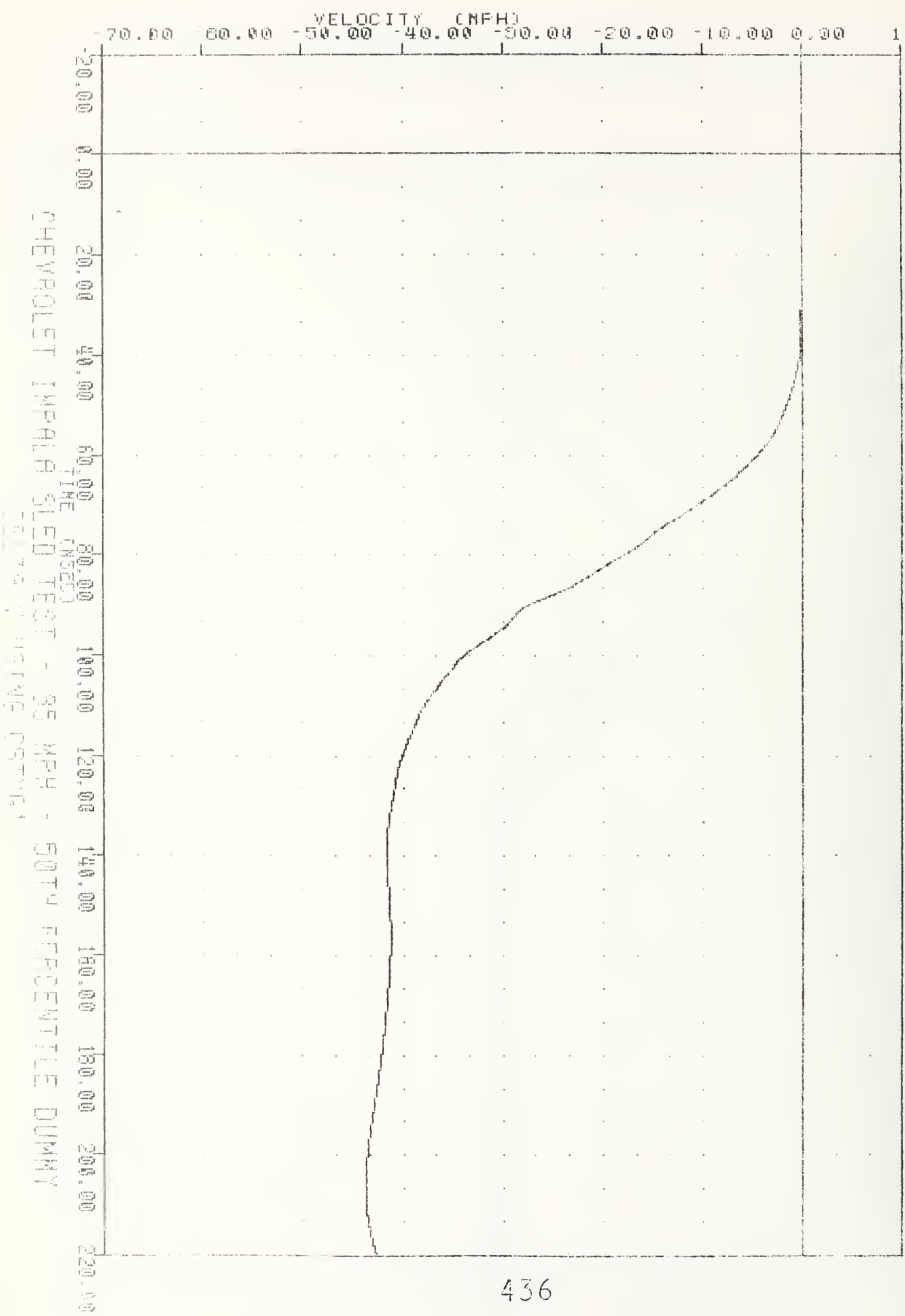
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

APTD
 SPEED 519695 5000 200000
 DISTANCE
 FILTER = ALPF 300V 9997.40
 MIN, MAX VALUES = -56.37 89.25
 0.56 220.00

9871 / 20364-4 23
 GREEN 410900 SLED PROGRAM
 05122
 05121

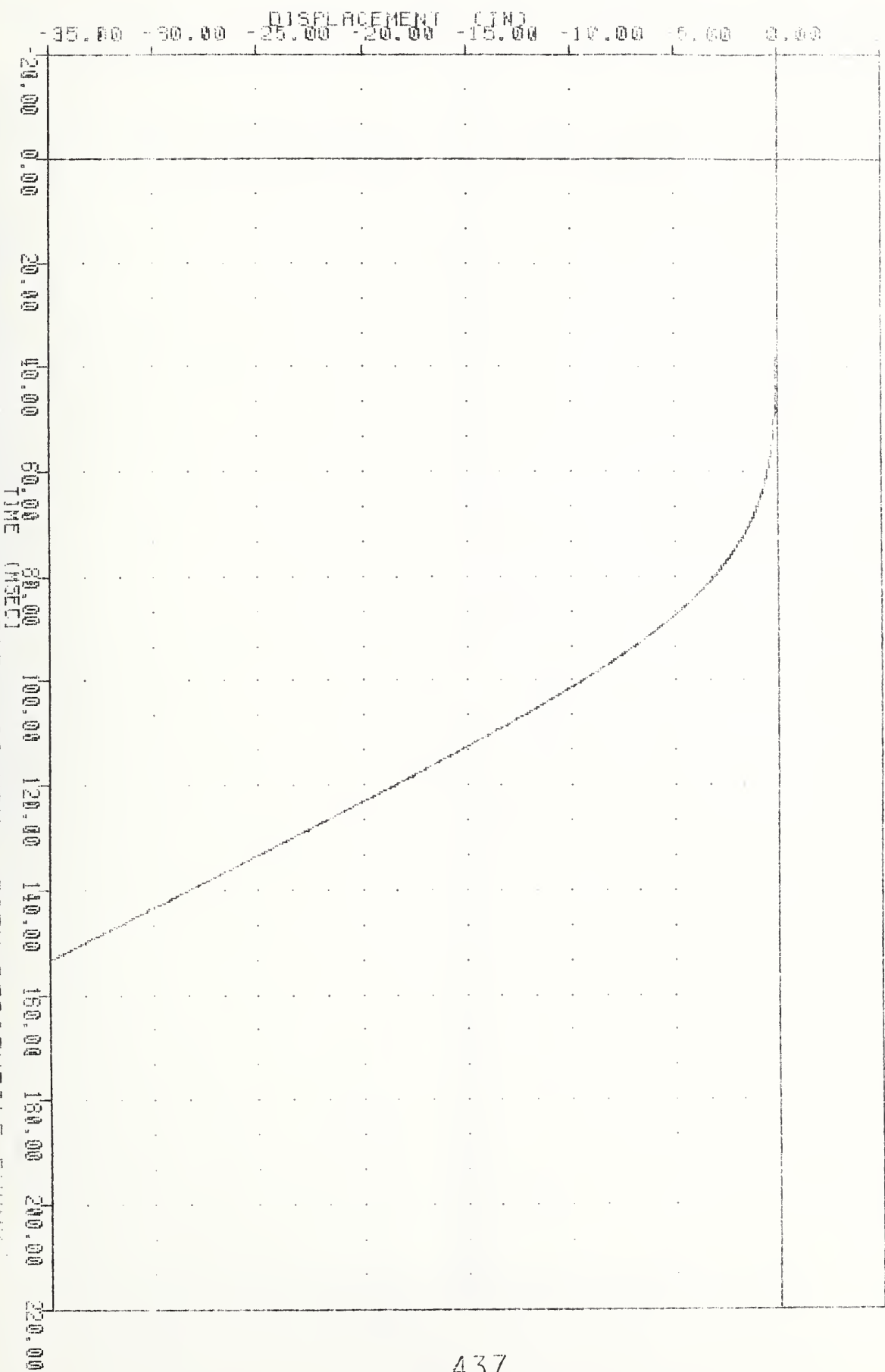
2007 0016 2-MRT-05 14:04:32
 FILTER = 6LPF 300 / 9497 -40
 MIN, MAX VALUES = -43.79 207.00

1.03 2 -10.63



BRED
 BREED AIRFOIL SLEED PROGRAM
 85122
 CSTX01

FILTER = 5LPI 300/ 5497 - 40
 MIN. MAX VALUES = -69.00 226.00
 -0.02 20.00

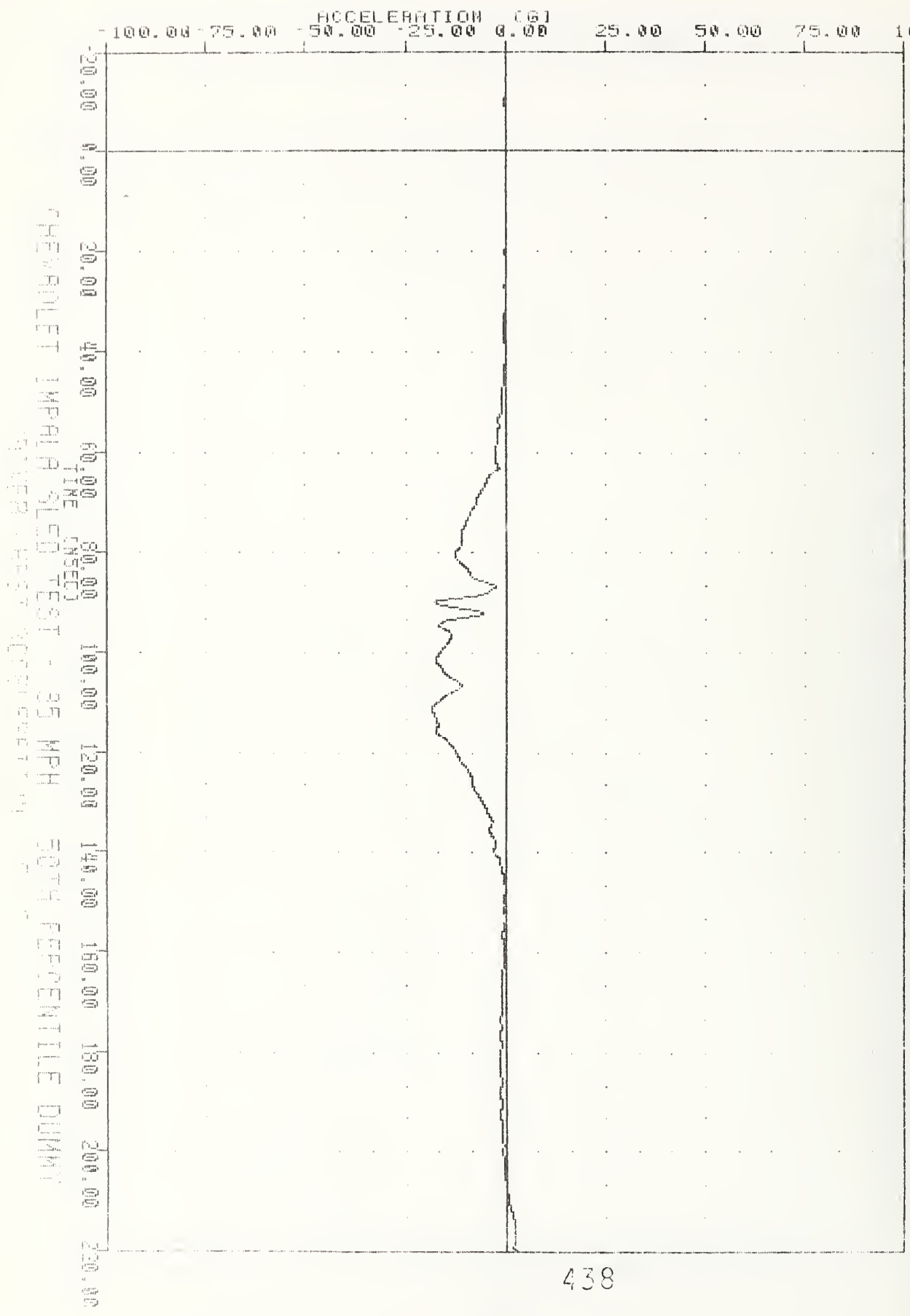


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING CSTX01

WRITE * RD360-4-23
SPEED HIGH SLED PROGRAM
85122
CSTY61

PL01 DATE 2 MAY 65 14:02:15
FILTER = BLPF 300 / 949 / 40
MIN. MAX VALUES = -18.46g 111.13g

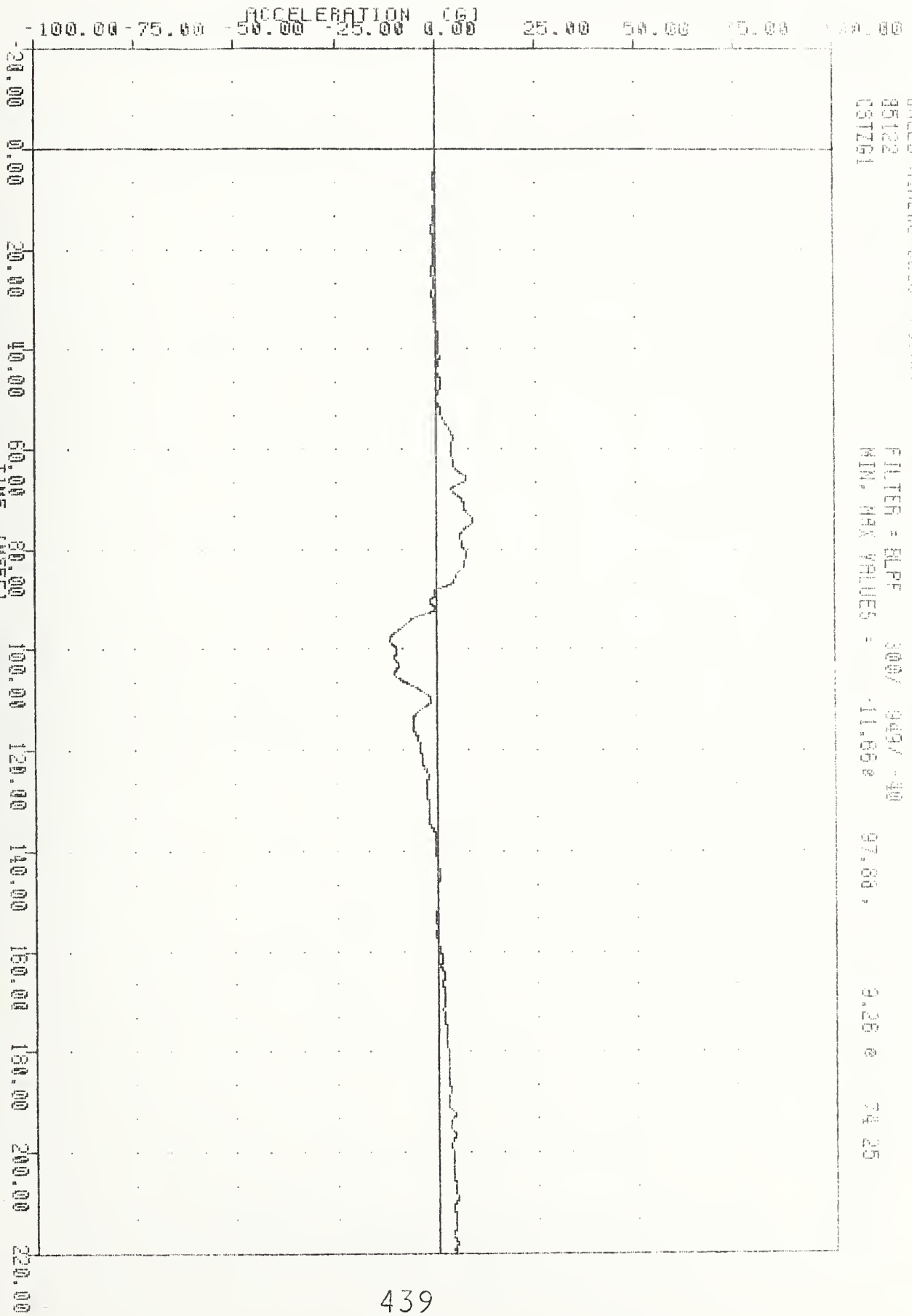
3.04 * 220.00



PART: 4101004 1 13
 SPEED AIRBORNE SLED 47000 MPH
 05122
 051291

PART DATE: 2 MAR 1970
 FILTER = BLPF 300/ 949/ -10
 MIN. MAX VALUES = -11.65 97.88

97.88 9.26 74.25



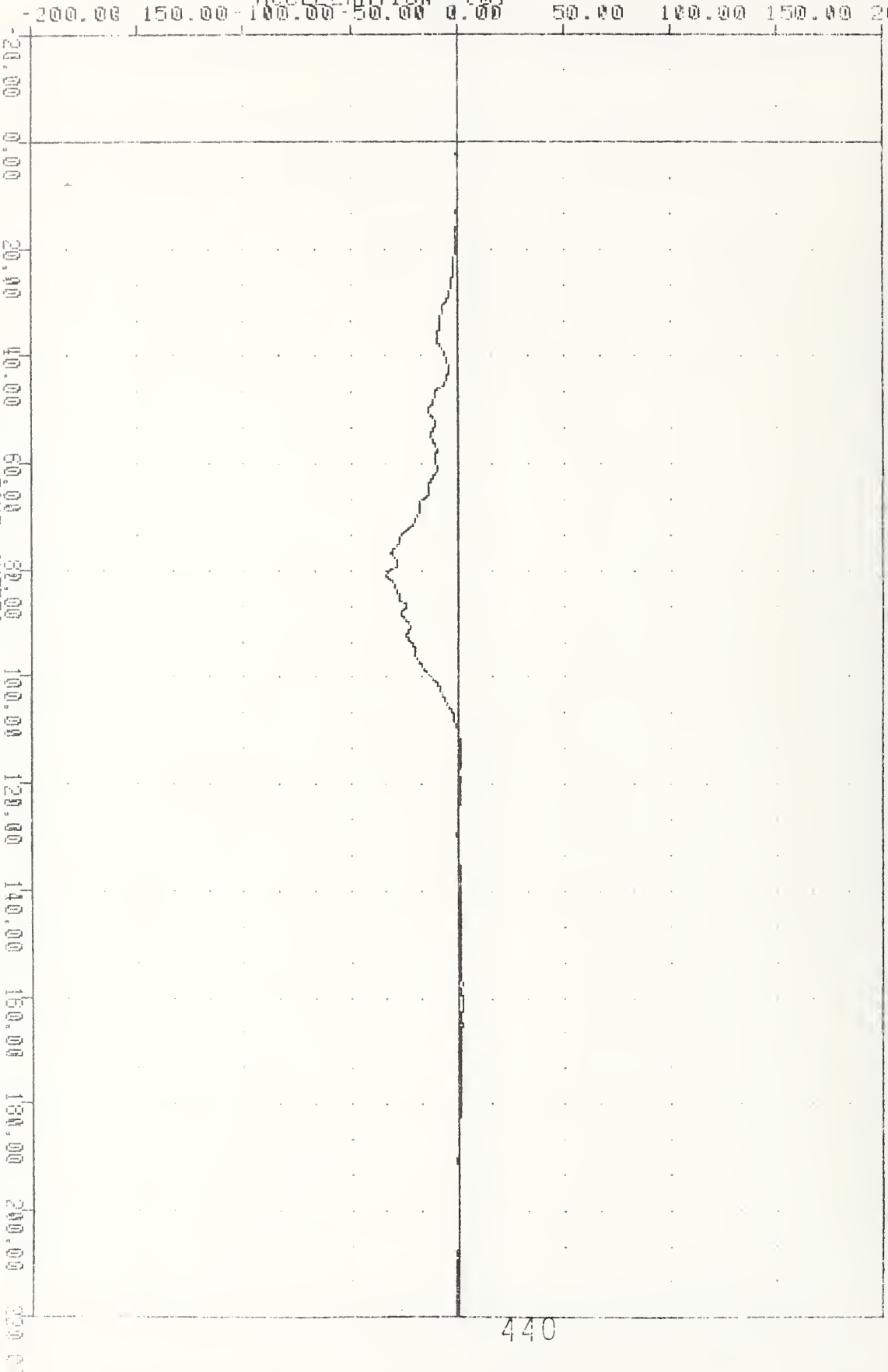
CHEVROLET IMPALA SLED TEST - 95 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION 2 9117

NETC
BREED HIGHWAY SLED PROGRAM
85122
PEVXG1

• H0504-4 24
PLOT DATE 2-MAY-85 14:00:19
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -33.41 80.75

2.39 0 161.25

ACCELERATION (G)

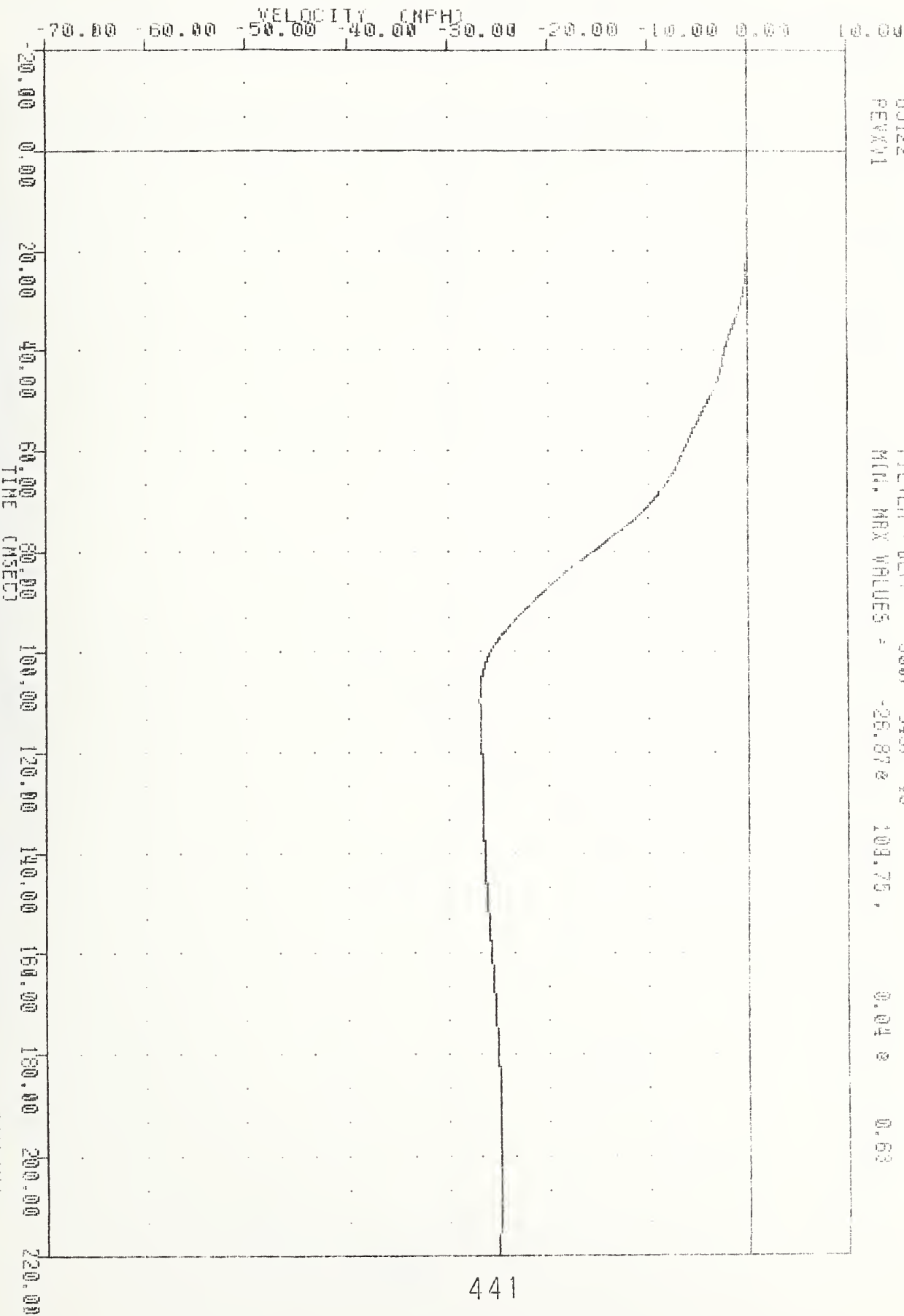


CHRYSLER FT HIGHL SLED TEST - 95 MPH - 50TH PERCENTILE DUMMY
APR 85 09:57:35

WATE
85122
PEVX01

DATE: 1963-08-14 14:01:00
FILTER = BLPF 3007 9497 -10
MIN. MAX VALUES = -26.87 103.75

0.04 0.63

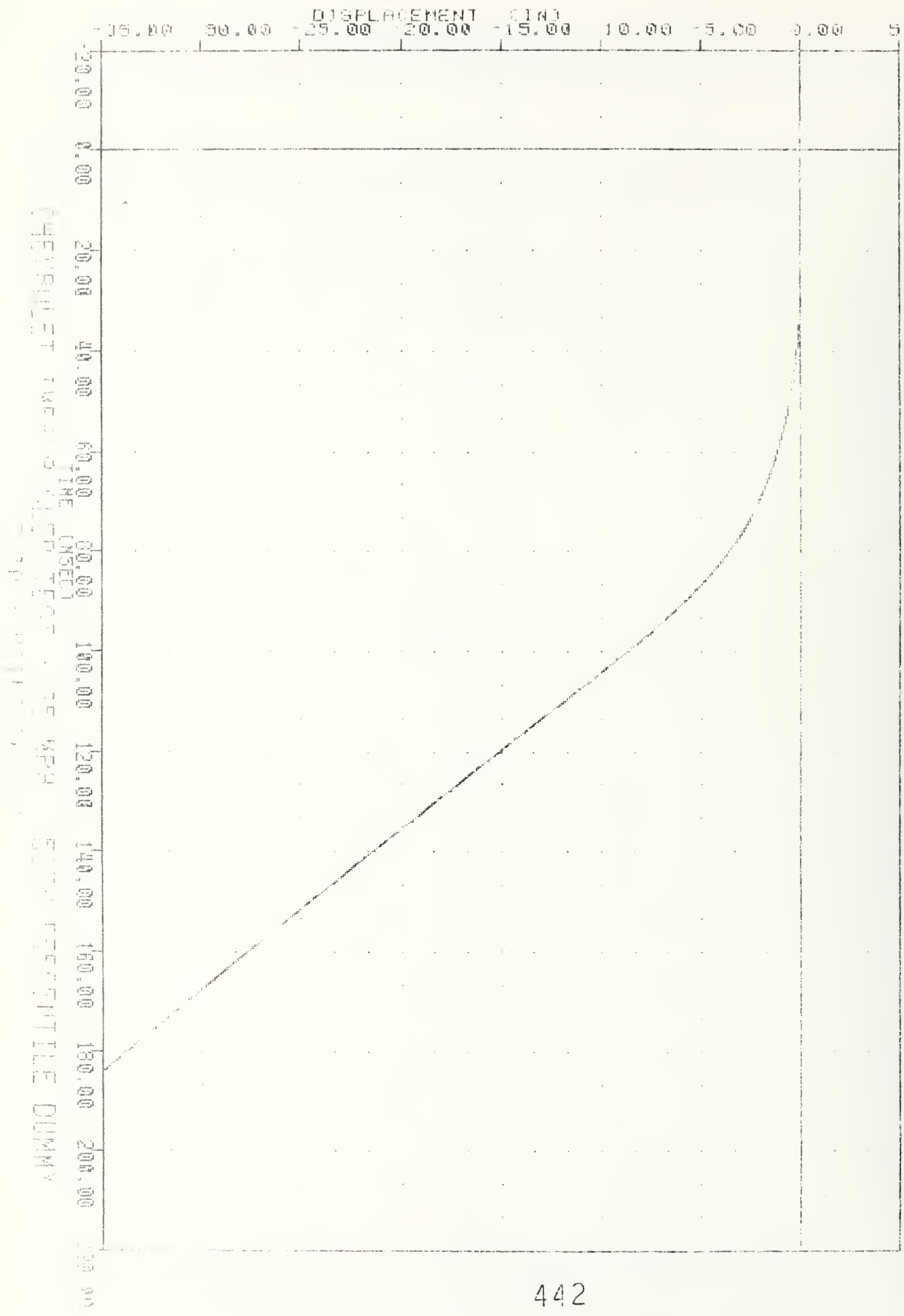


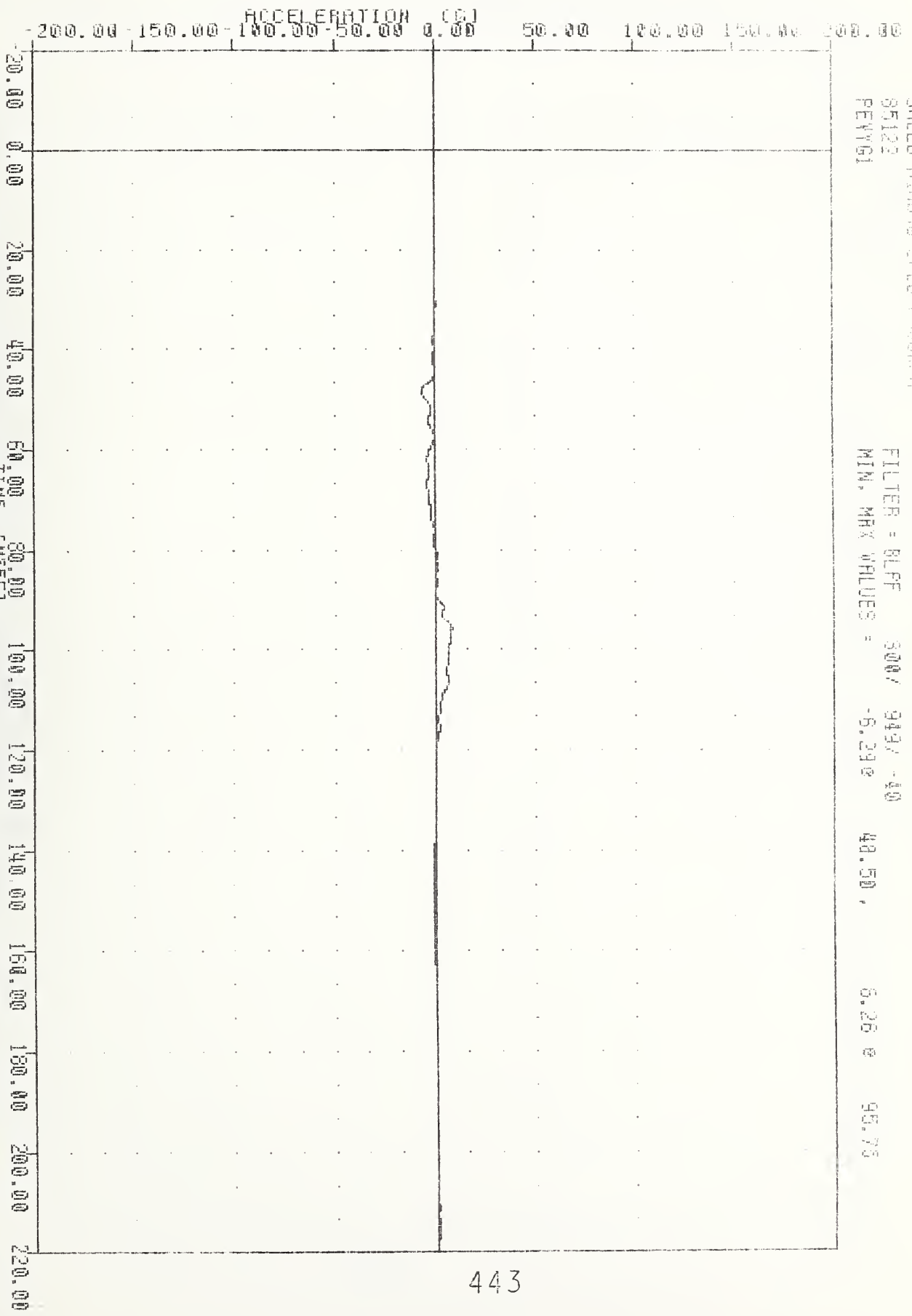
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVX01

UNIT: * F0904 4-23
 GREENS AISEMID USED PROGRAM
 85122
 PEVX01

PLIN: 0812
 -INR: 05 14:00:32
 FILTER = 0LPP 300/ 949/ -40
 MIN, MAX VALUES = -45.76 220.00

0.03 10.00



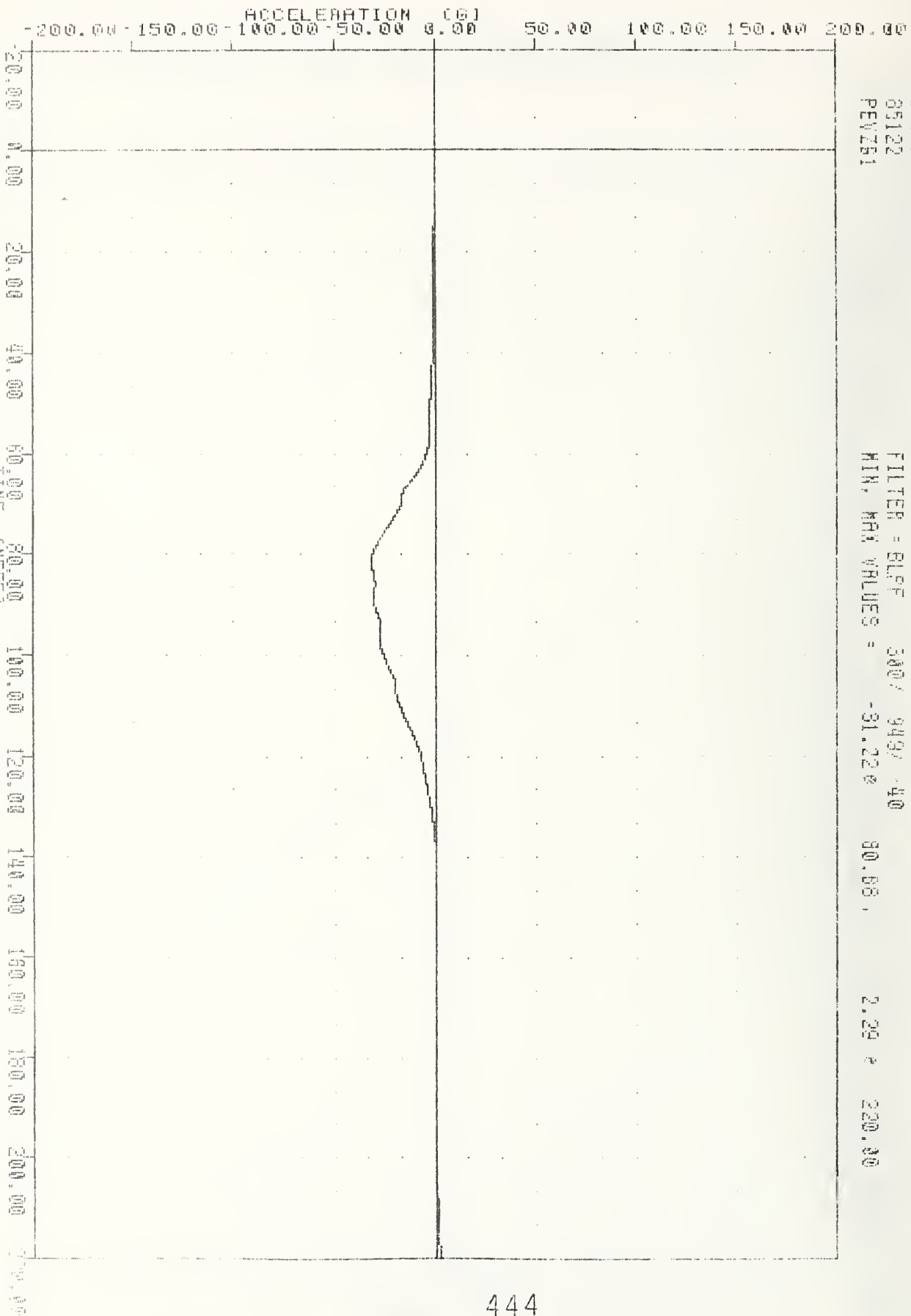


4810
 SPEED AIRBAG SLED POSITION
 85123
 PELVIS1

2 00:04.25
 2 00:05.14
 14:02.09
 FILTER = 8L PF 300/ 943/ -40
 MIN, MAX VALUES = -6.29 48.50

6.26 95.75

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS



UNIT : 80364-4.23
 BREED FIREARMS SLED PROGRAM
 85122
 PEW161

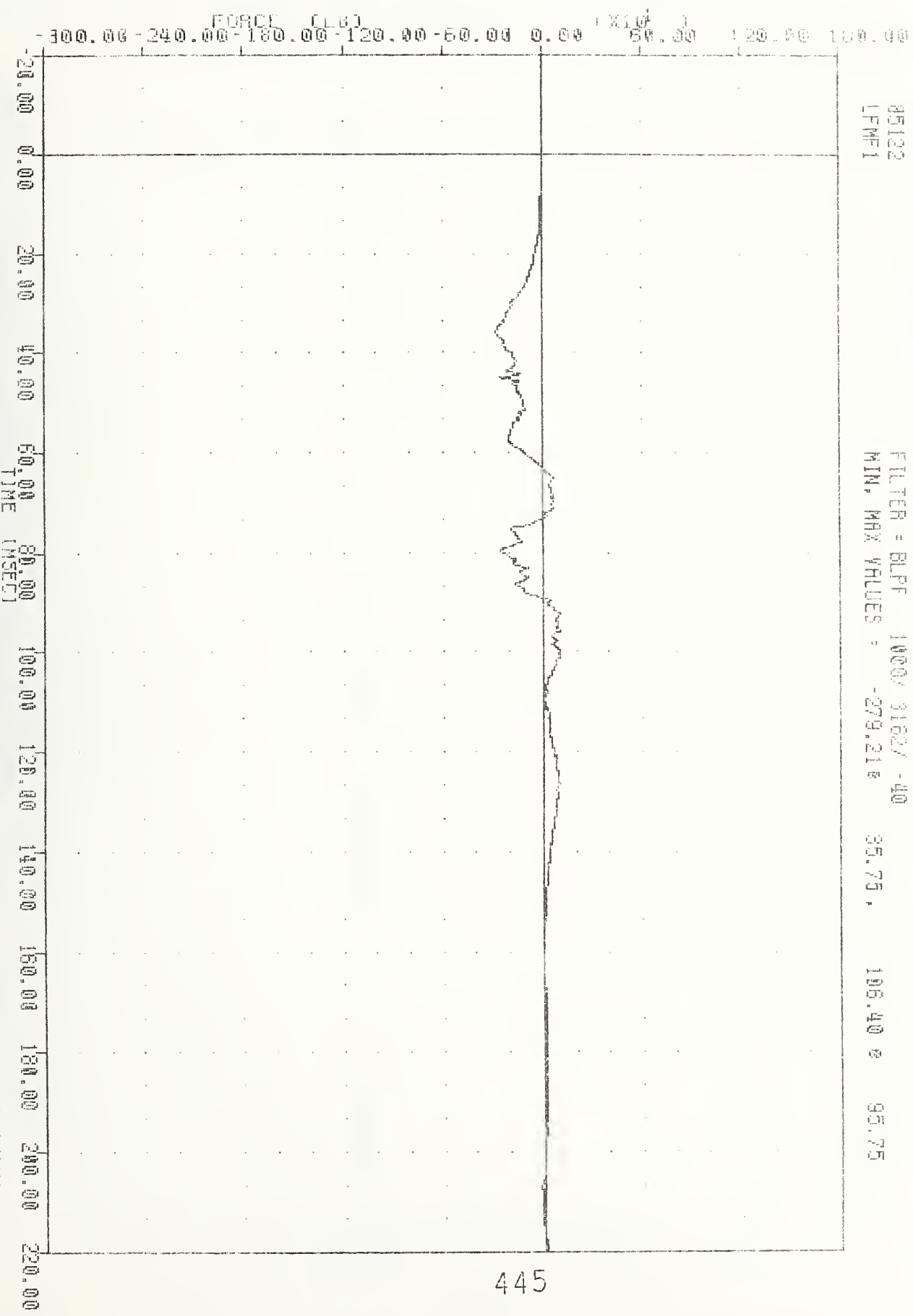
PLOT DATE : 85-05 14:02:15
 FILTER = BLSE
 MIN, MAX VALUES = -31.22 90.88

2.29 * 220.00

VEHICLE: 1985 CHEVROLET
 89-40 AIRBAG SLED PROGRAM
 85122
 LFMF1

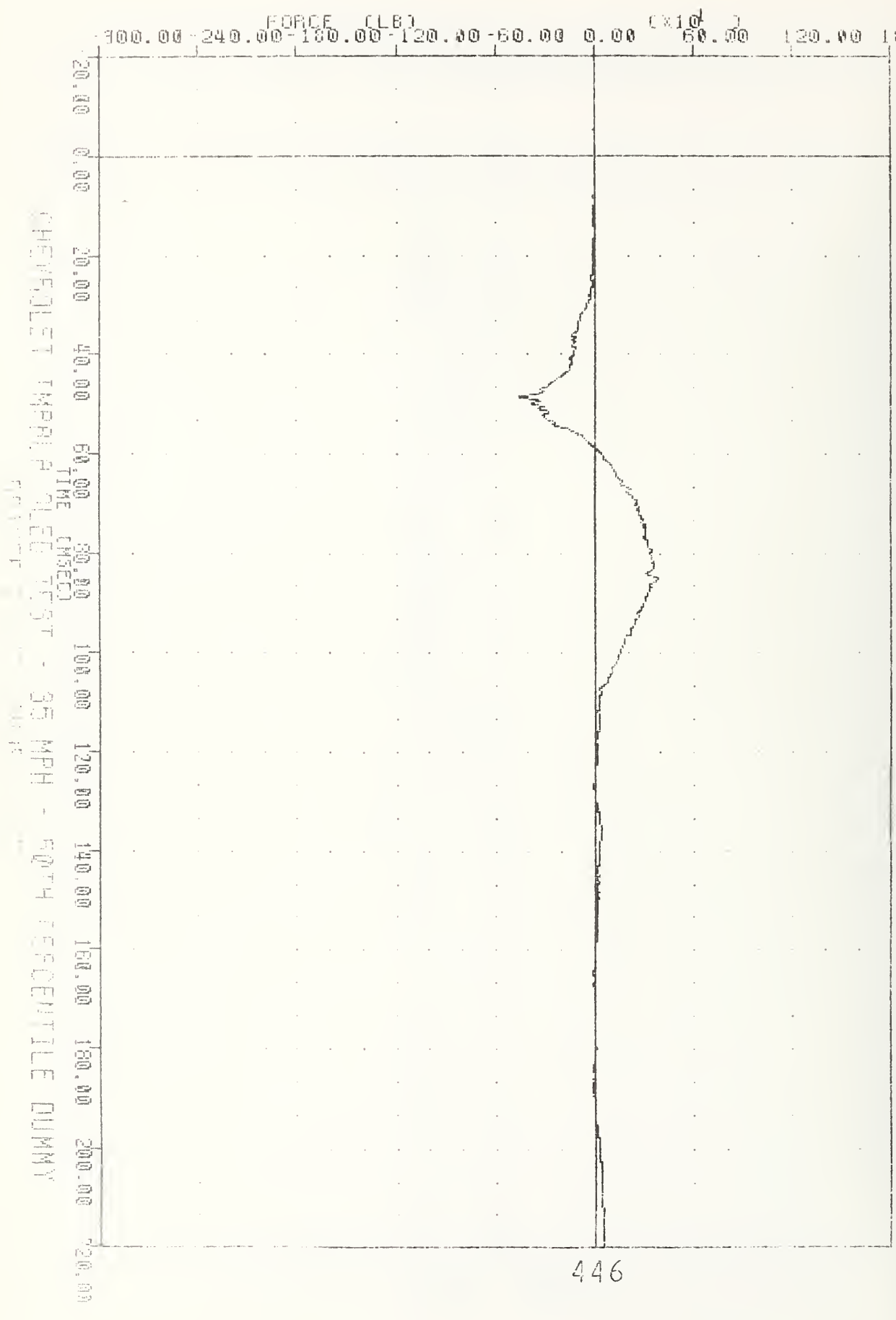
DATE: 2-21-79 14:00:00
 FILTER = BLPF 1000/ 3162/ -40
 MIN, MAX VALUES : -279.21 35.75

106.40 @ 95.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

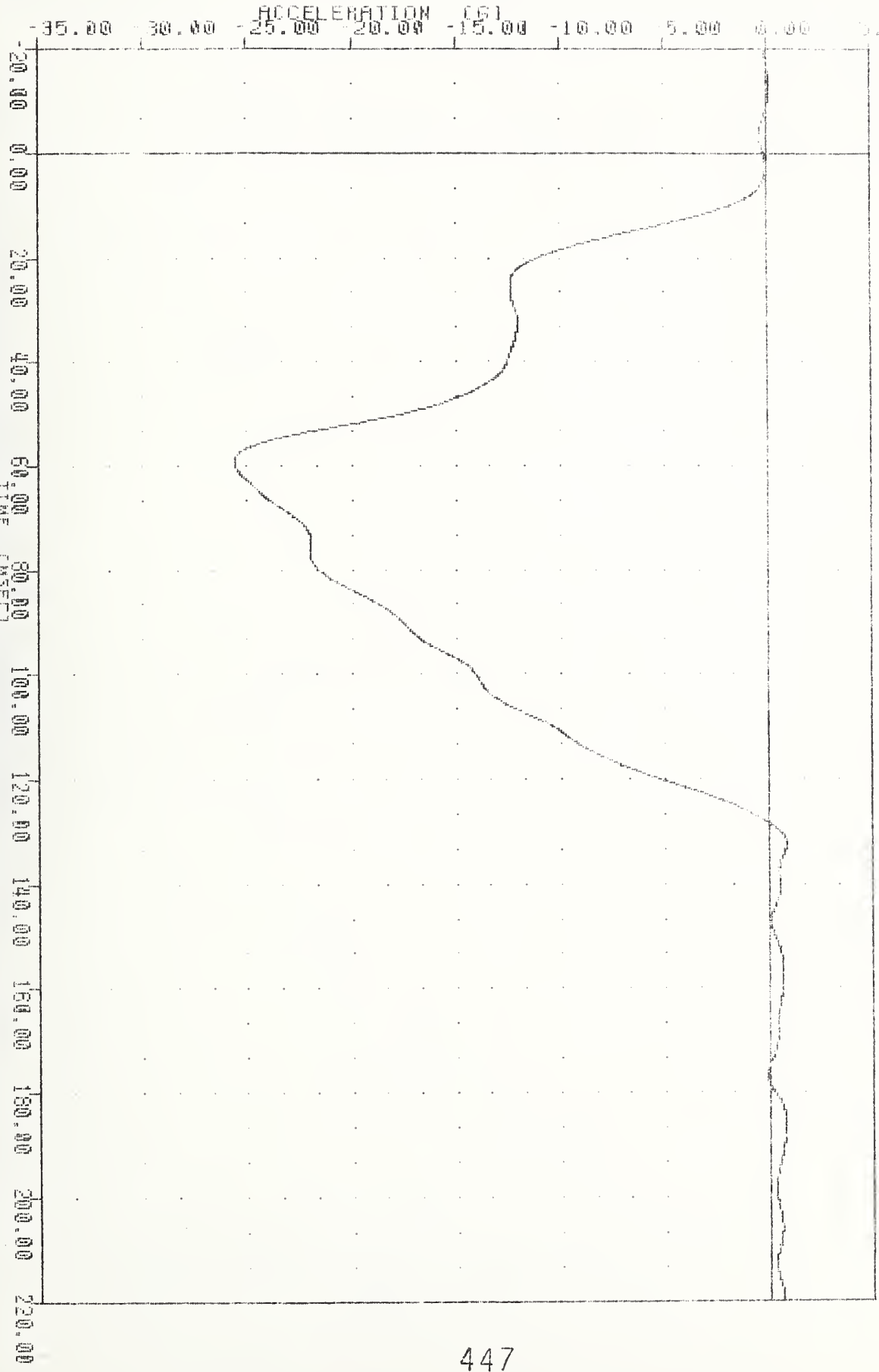
REF: F0504 4-23
 BREED AIRBAG LED PROGRAM
 85122
 RPNF1
 PLDT DATE: 2-MAY-95 14:02:19
 FILTER = BLFF 1000/ 3162/ -A0
 MIN, MAX VALUES = -451.62 @ 43.50 , 388.50 @ 85.00



VRI1
 SPEED 85123
 LFBXIS

FILTER = BLPF 100/ 3167 -40
 MIN, MRX VALUES = -25.63 59.25

0.82 132.25

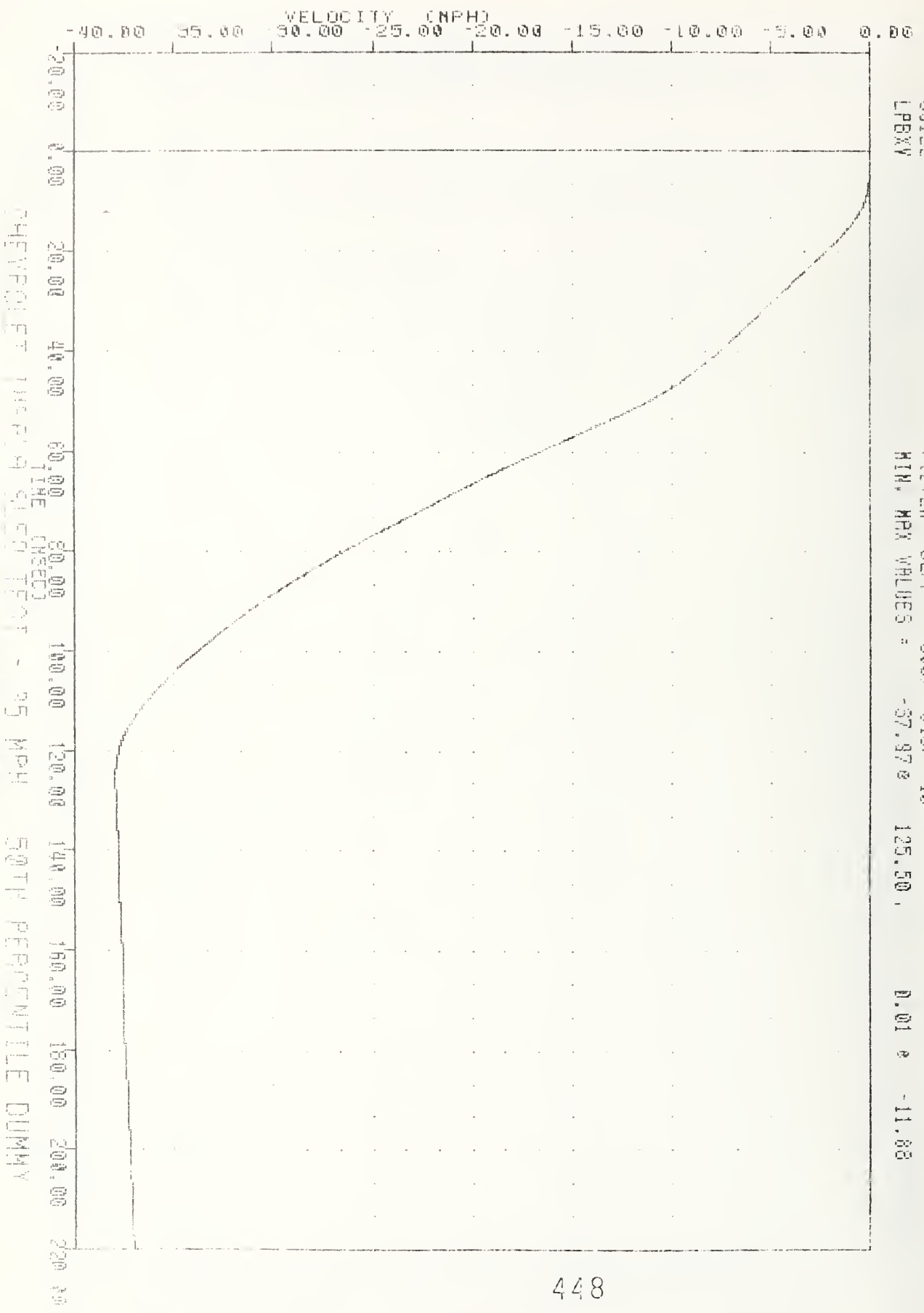


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 FILTRF LEFT B ACCELERATION Y AXIS

WOTC * 0104 1:22
 BREED AIRRNG SLED PROGRAM
 85122
 LPBXV

001 0915 2-MAY-85 14:04:32
 FILTER = BLFF 3007 8497 -40
 MIN. MAX VALUES = -37.97 125.50

0.01 e -11.88

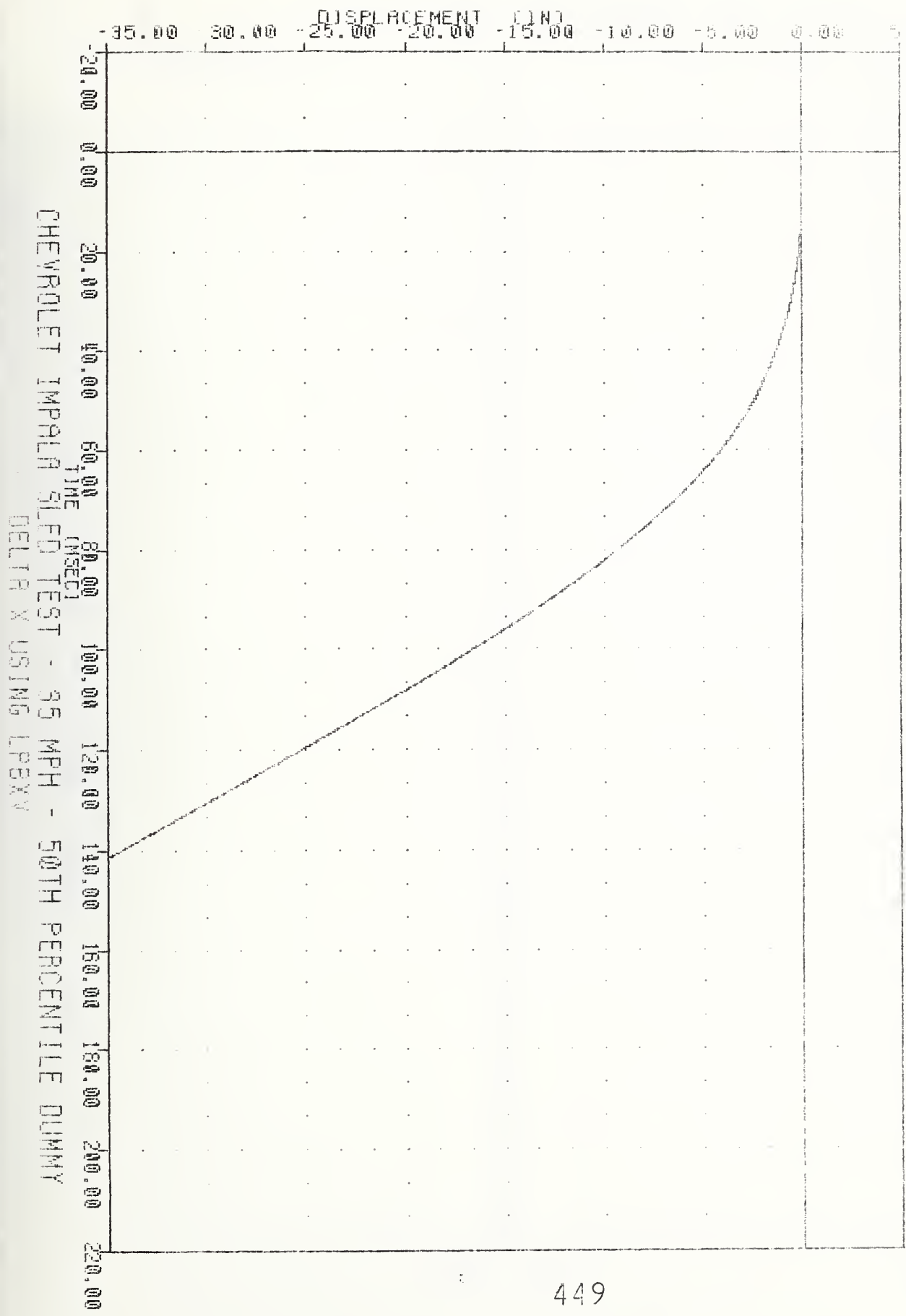


CHEMICAL MURPHY 5150 TEST - 95 MPH 50TH PERCENTILE DUMMY

V91C
 BREED NIBBING SLEED PROGRAM
 LPBXD

FOLD DATE 2 NOV 69 130041Z
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -70.34 e 220.00 ,

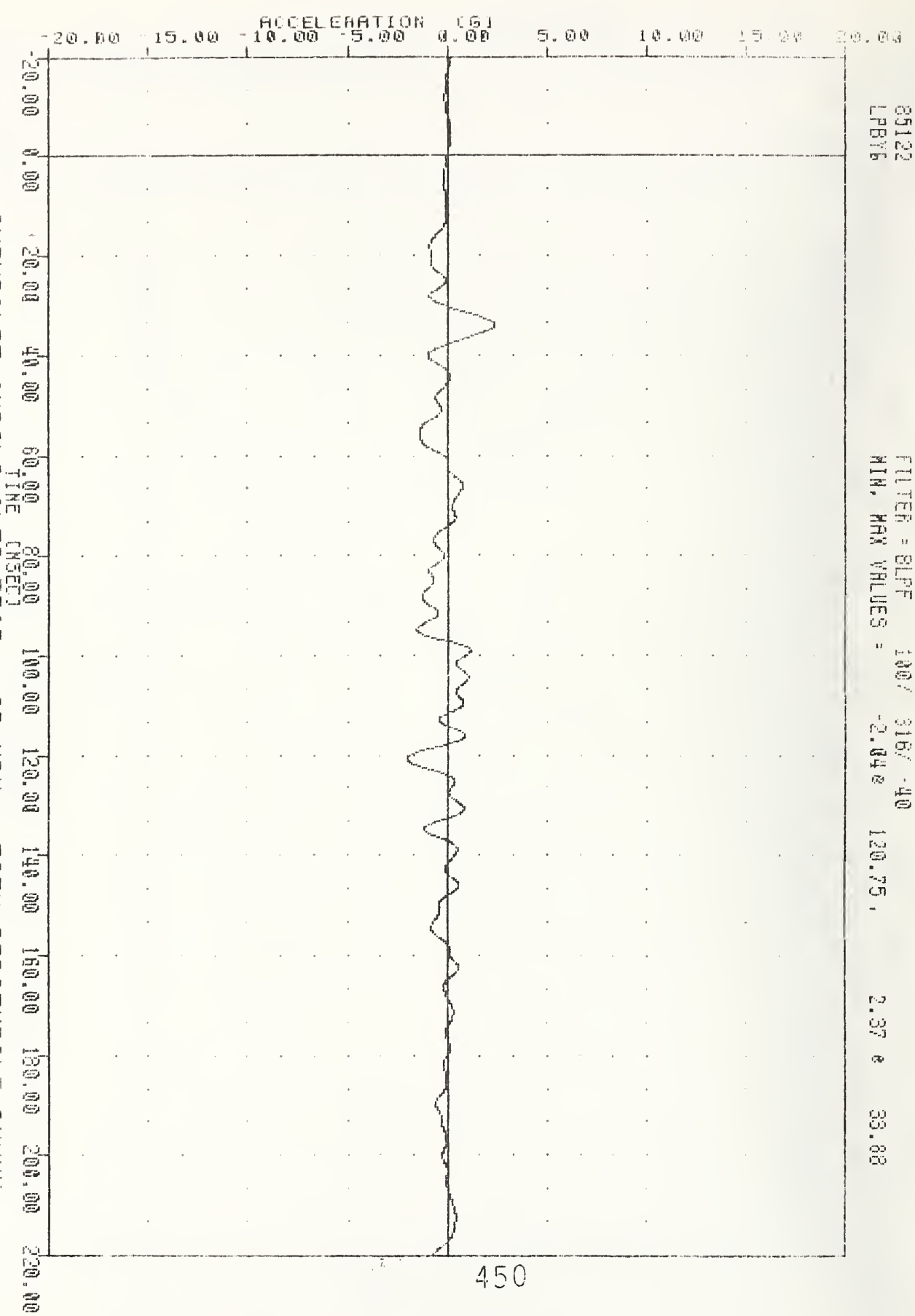
0.00 e -8.28



WTD : R0384423
RREQ ALR888 SLED PRUGH5H
LPBY6

PLT DR1E 2-MIN-83 14:02:19
FILTER = 8LPF 100 / 318 / 40
MIN, MAX VALUES = -2.04 e 120.75 ,

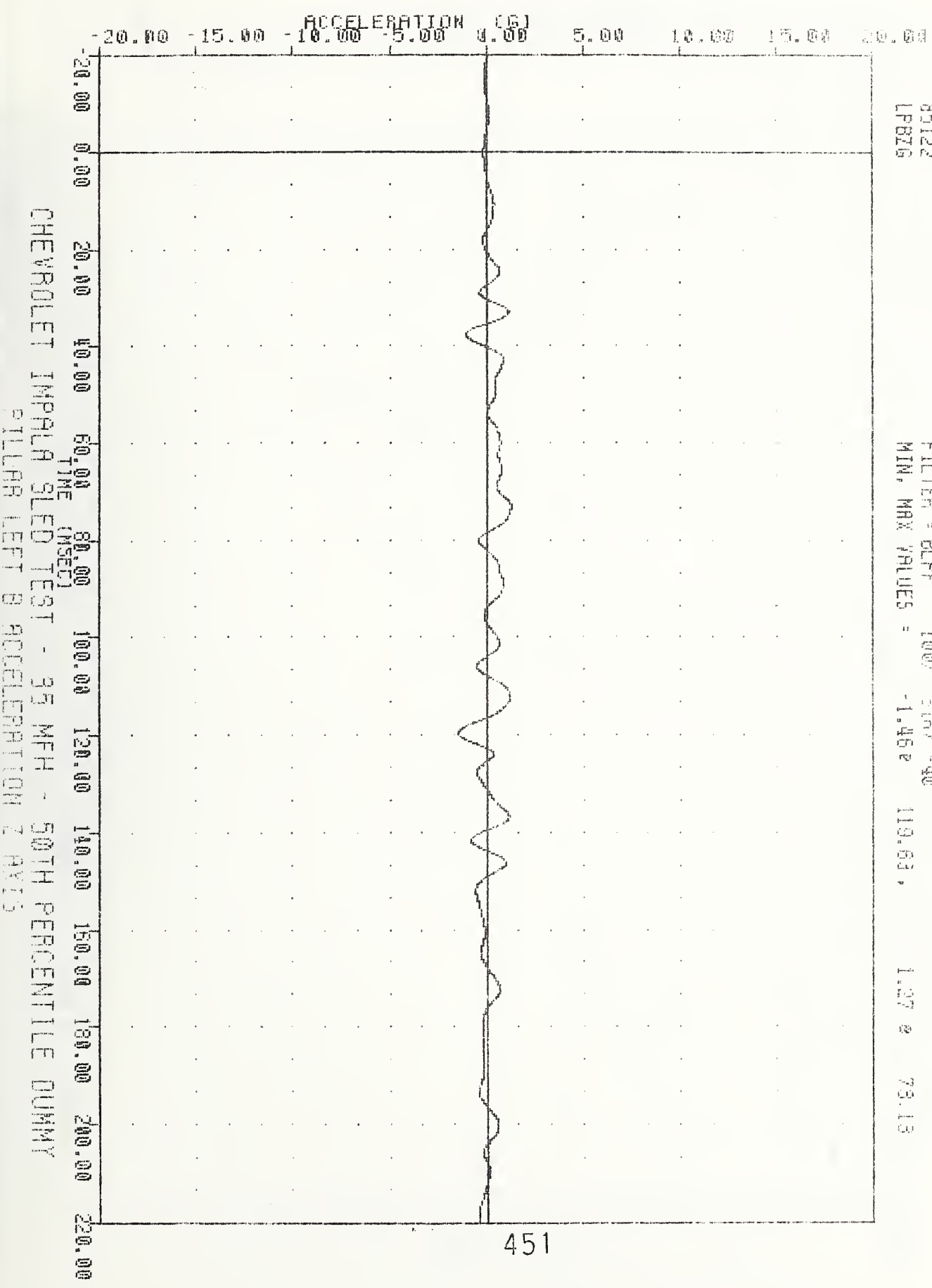
2.37 e 33.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

NRTC
BREED A19696 SLED PROGRAM
LP876

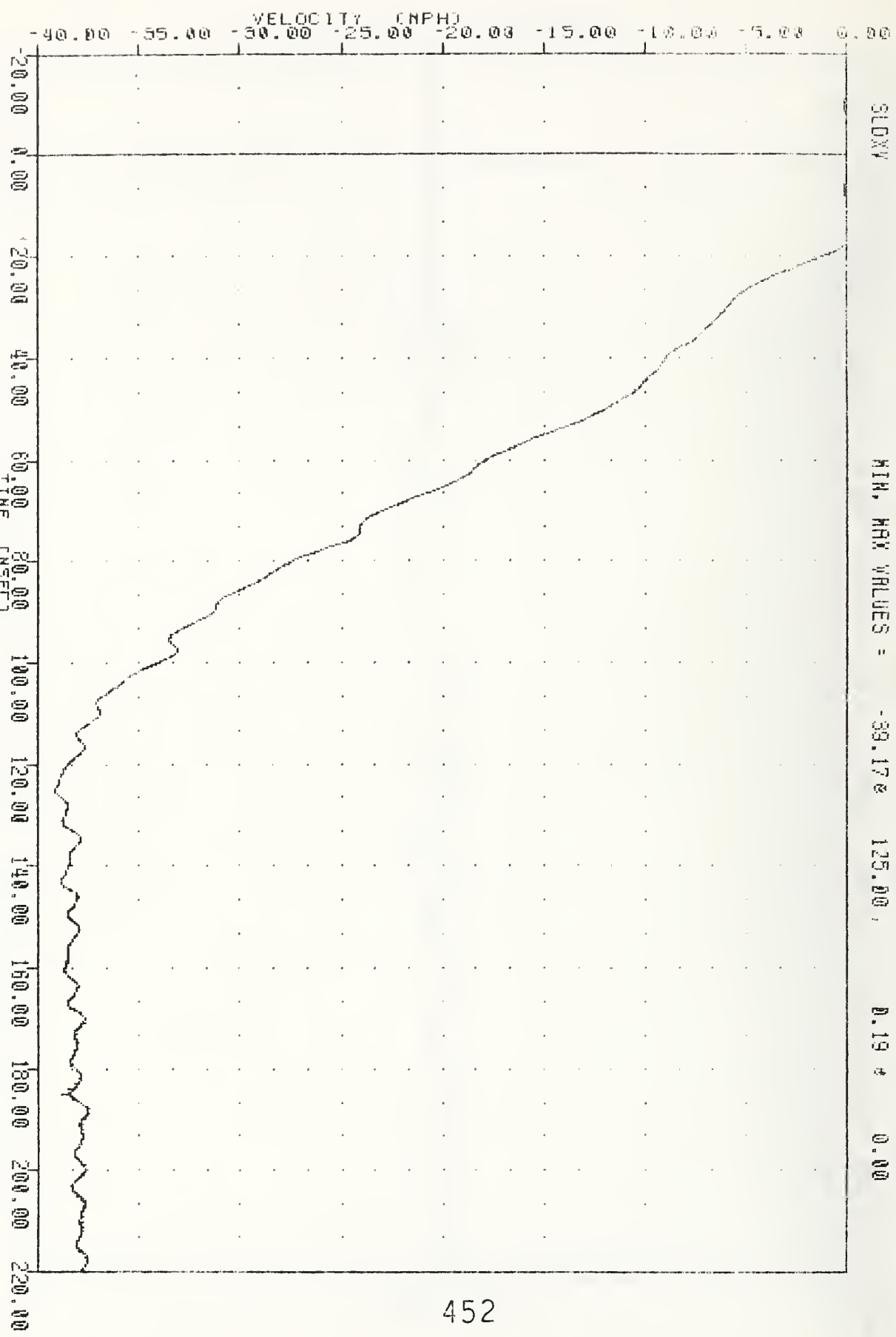
AD854-4-13
LOT DATE 2-K01-02 14-02-19
FILTER = BLPF 100/ 216/ -40
MIN, MAX VALUES = -1.46g 119.63, 1.27g 79.13



UNIT : 80384-4-23
GREGG AIRBAS SLED PROGRAM
SLOWY

PLANT DATE : 2-MAY-85 14:02:19
FILTER = ALPF 100/ 316/ .40
MIN, MAX VALUES = -39.17% 125.00 ,

0.19 * 0.00

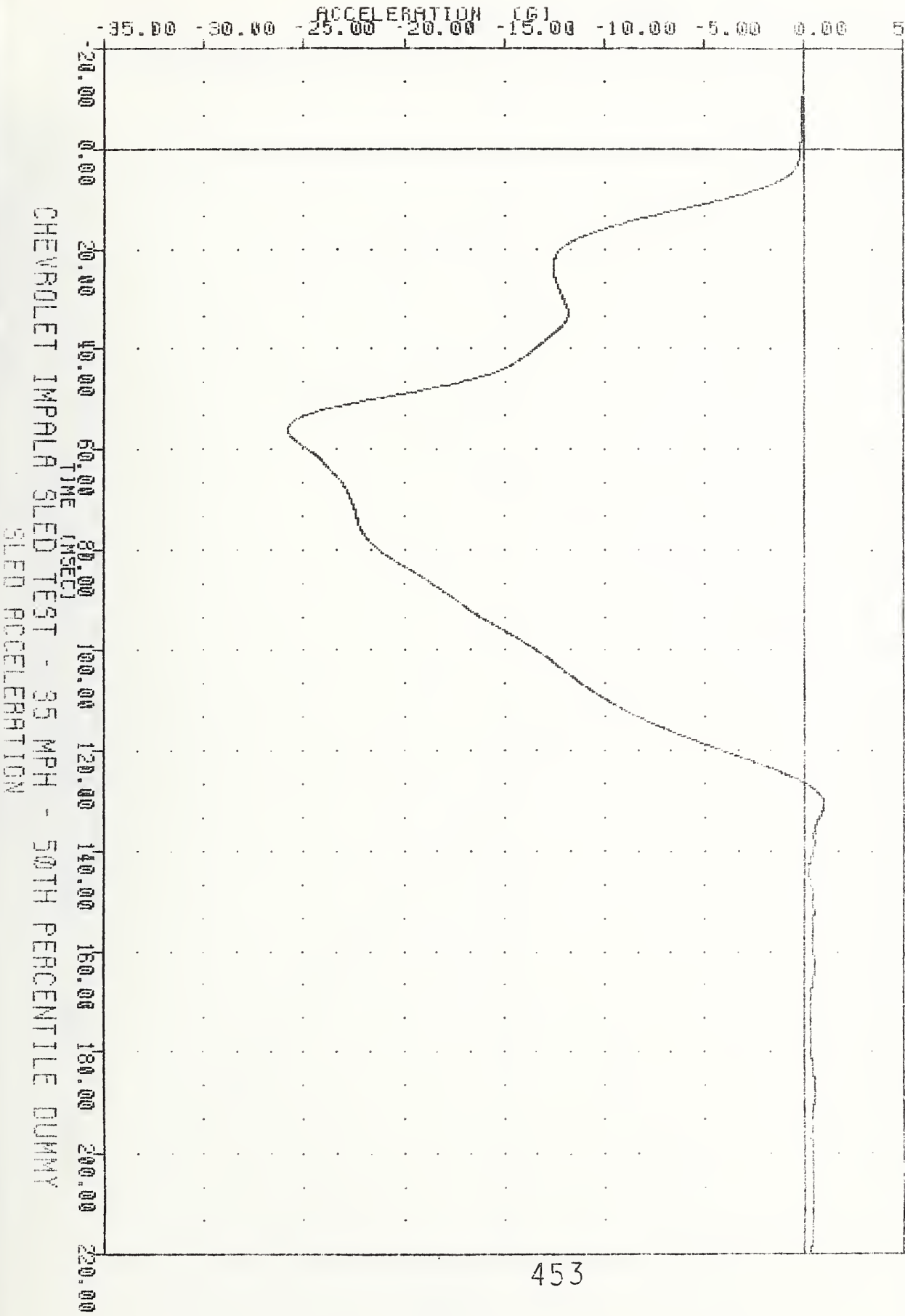


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

NR10
SPEED AIRBRAKES SLED PROGRAM
85122
SLOX6

NR0804-4-25
PLOT DATE 2-MAY-85 14:02:19
FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -25.80 & 56.13

0.95 & 130.63

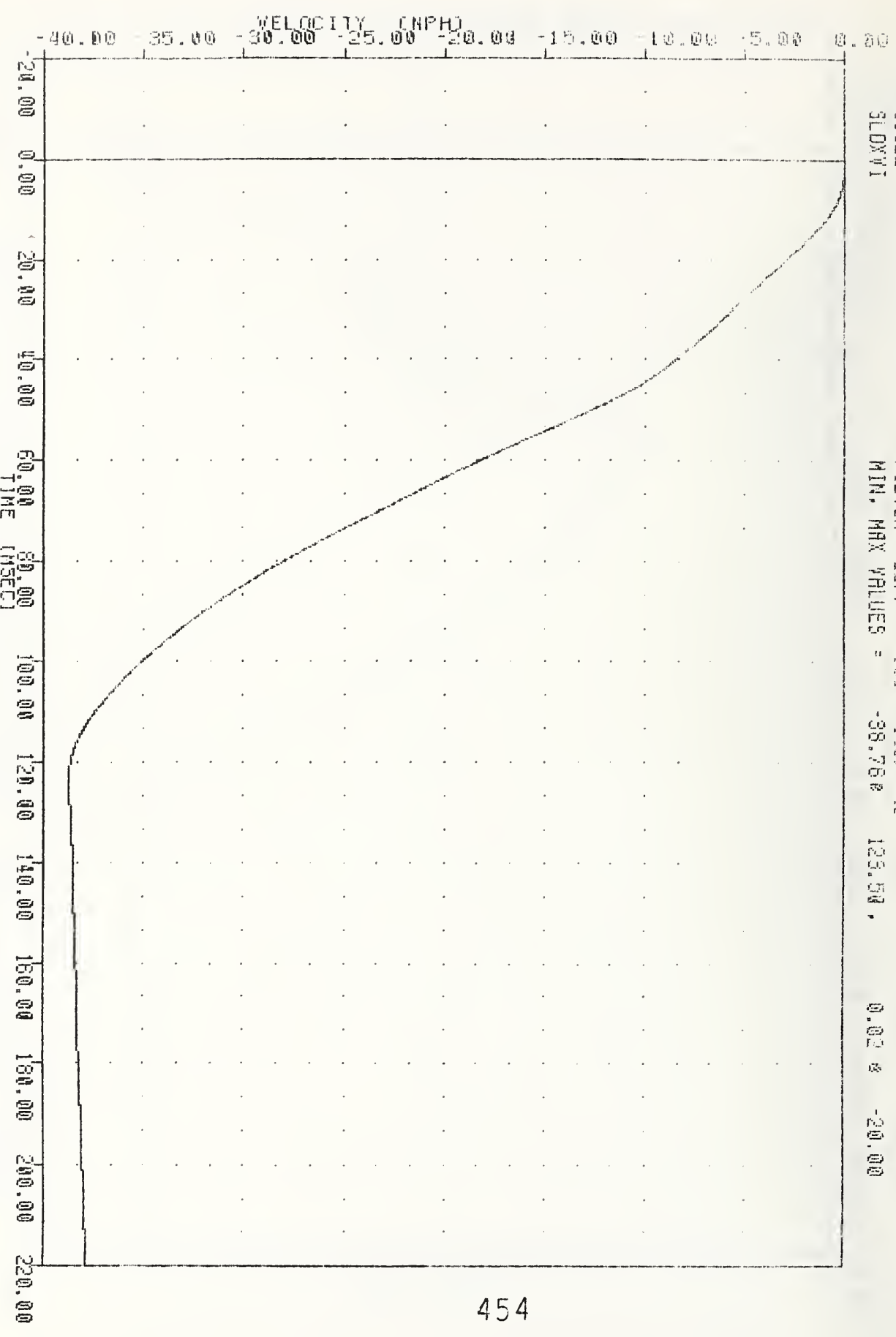


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , 8020A-4.25
SPEED 815086 SLED PROGRAM
85122
SLDWVI

PLOT DATE 2-28-78 14:04:32
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -38.78 125.50

0.02 0 -20.00

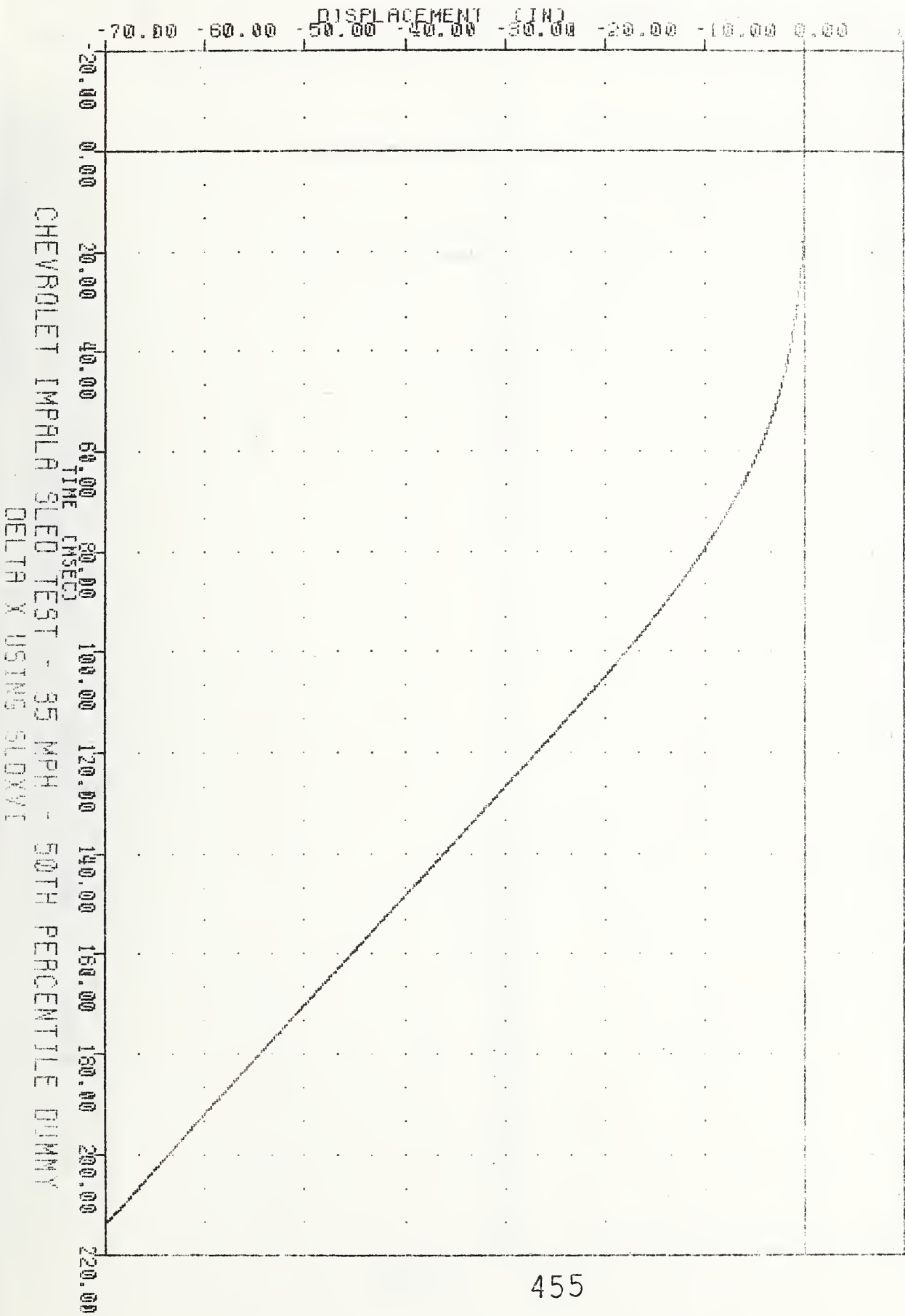


CHEVROLET IMPALH SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

WRIC
BREED AIRBAG SLED PROGRAM
85122
SLOX0

101 DATE MAR 85 14:09:32
FILTER = 0LPF 300/ 949/ -40
MIN, MAX VALUES = -72.81 229.00

0.01 2 -7.56

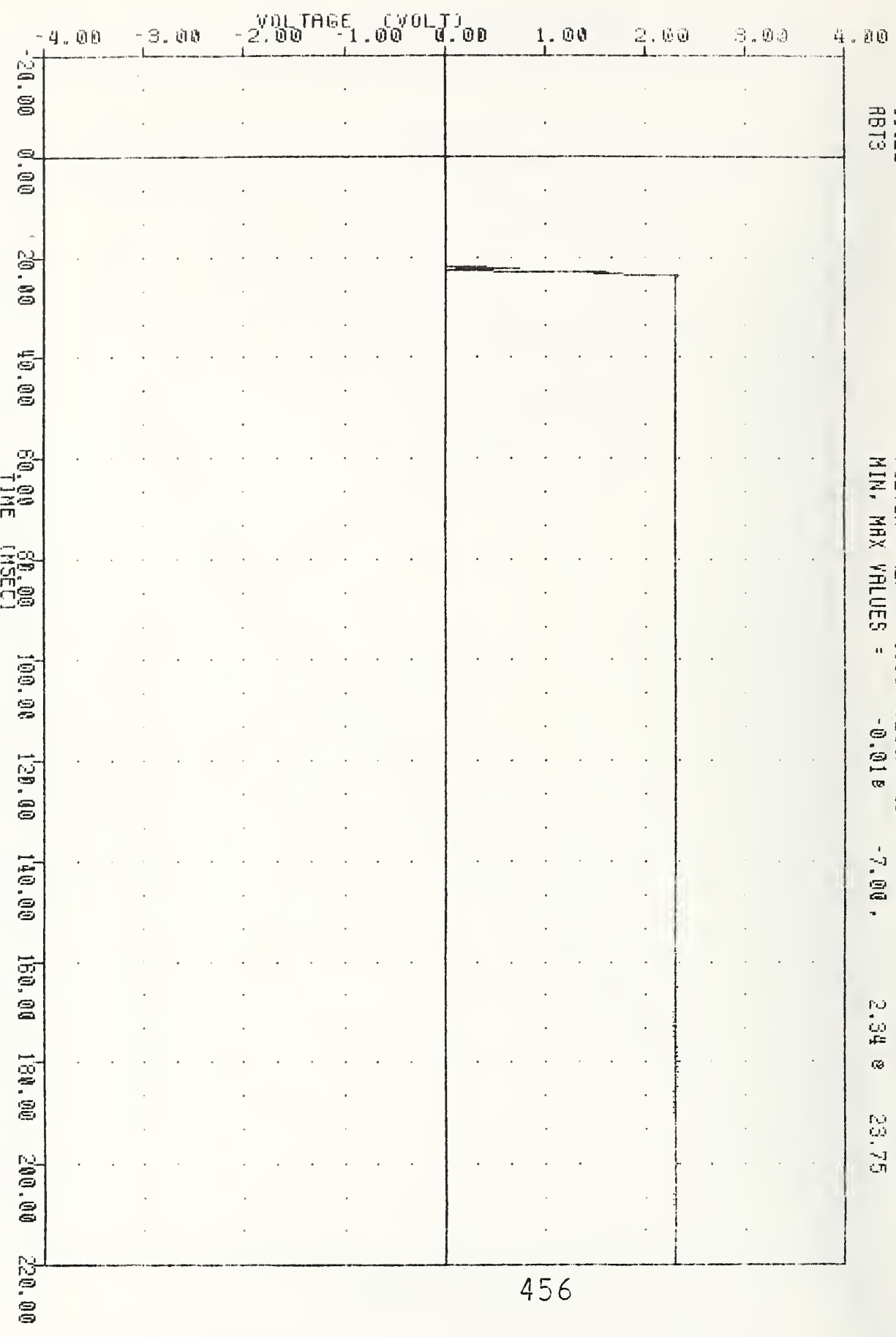


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLOXVI

VRTC 50354-4-23
 BREED AIRBAG BLEED PROGRAM
 85122
 RBTS

PLOT DATE 2-MAR-85 14:02:19
 FILTER = ALPF 1650/5214/-40
 MIN, MAX VALUES = -0.01e -7.00,

2.34 @ 23.75

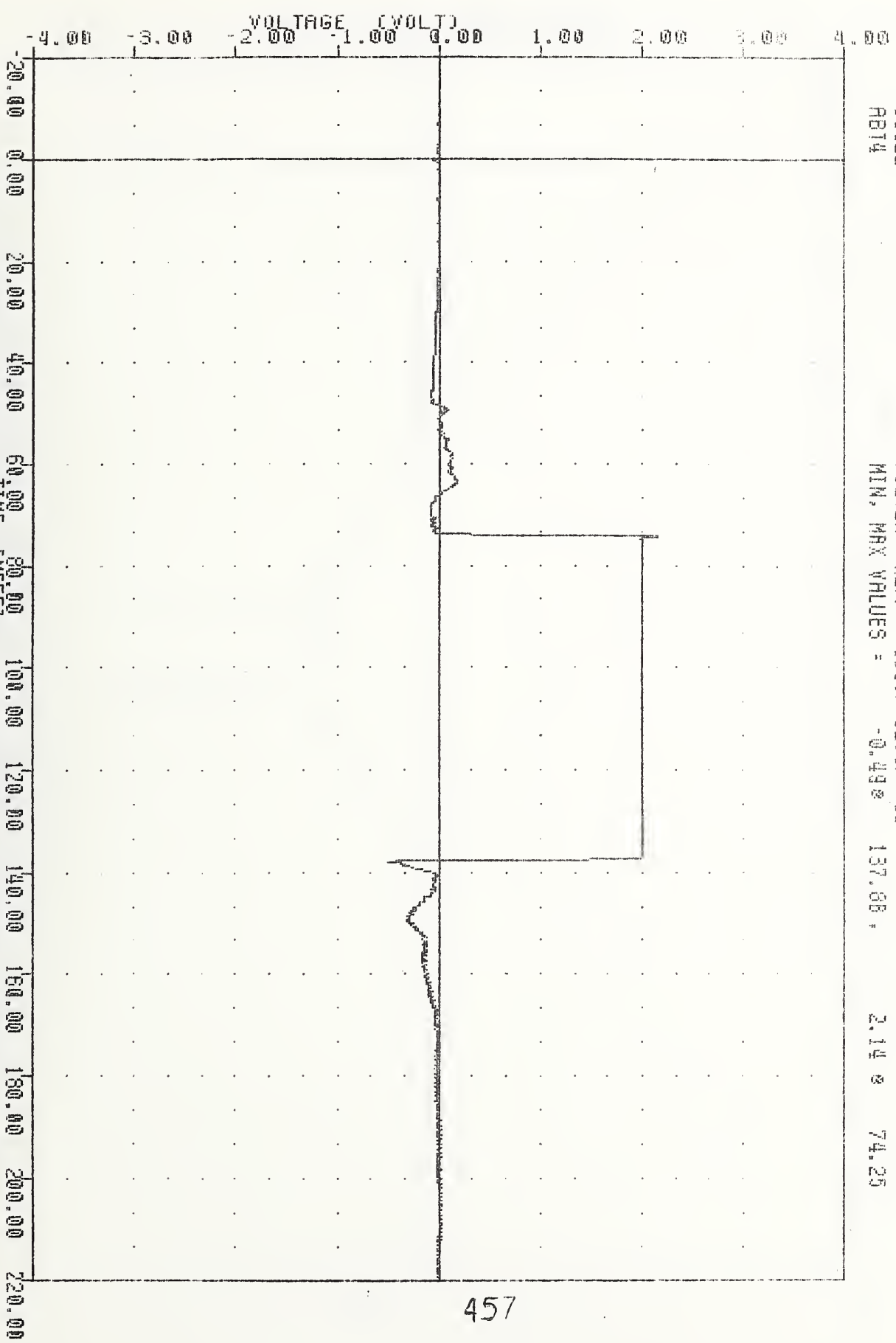


CHEVROLET IMPALA BLEED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 BREED 3-PILLAR SENSOR

WRIC
BREED AIRBAG SLED PROGRAM
85122
AB14

ED389-4-25
PLOT DATE 2-MAY-95 14:02:19

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -0.498 137.88 2.14 74.25

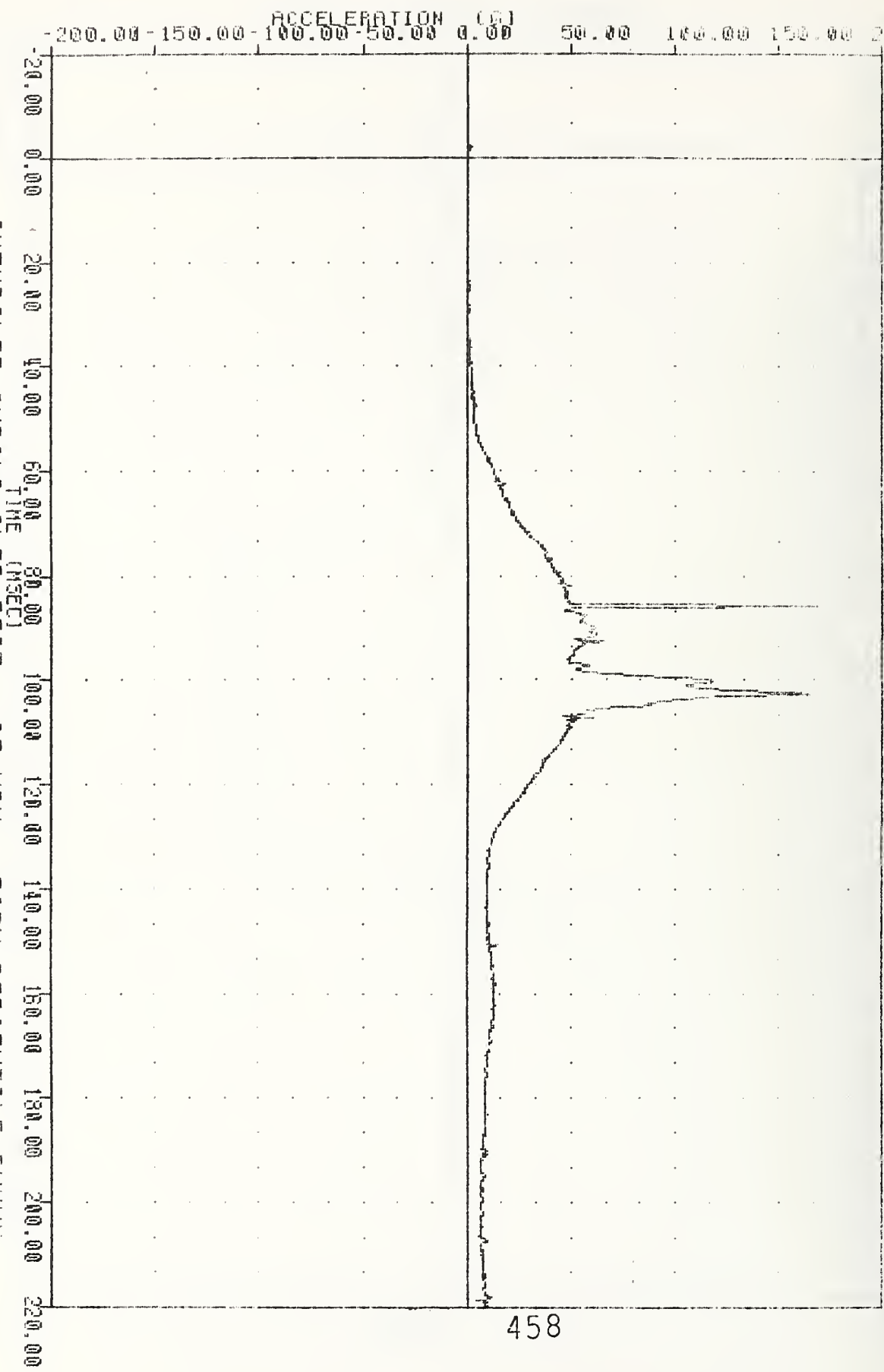


CHEVROLET IMPALH SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

WRITE
BREED AIRSPAC BLEED PROGRAM
95122
HEORGL

PLOT DATE 2-NR7-88 14:01:08
FILTER = HLPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.03g -15.50g

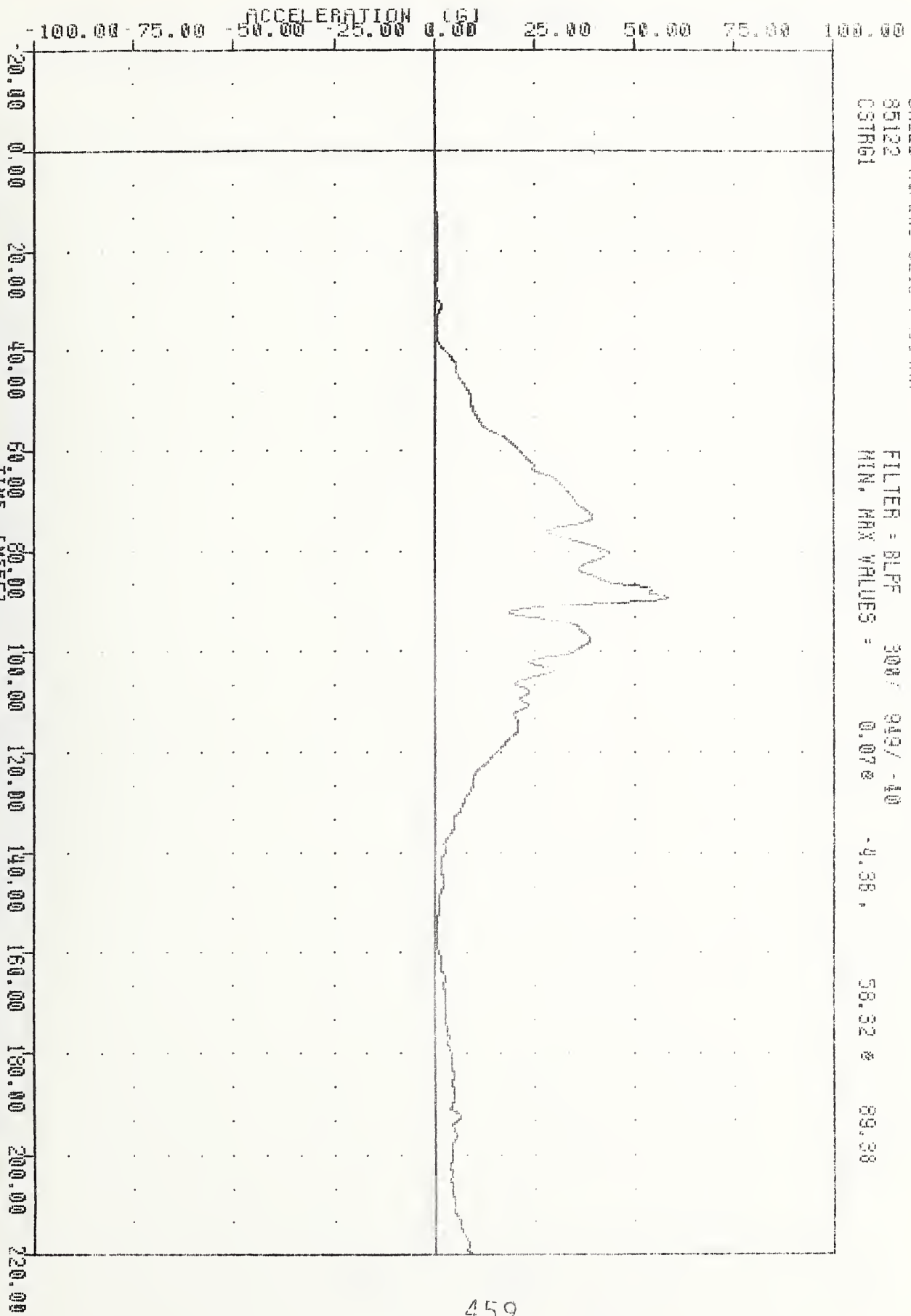
168.33 g 85.75



CHEVROLET IMPALR SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRIC , ROSA-4-23
BREED AIRBAG SLEED PROGRAM
85122
CSTRG1

PLOT DATE 2-MAR-85 14:04:28
FILTER = BLFF 300 / 949 / -40
MIN. MAX VALUES = 0.072 -4.38 , 58.32 * 89.38

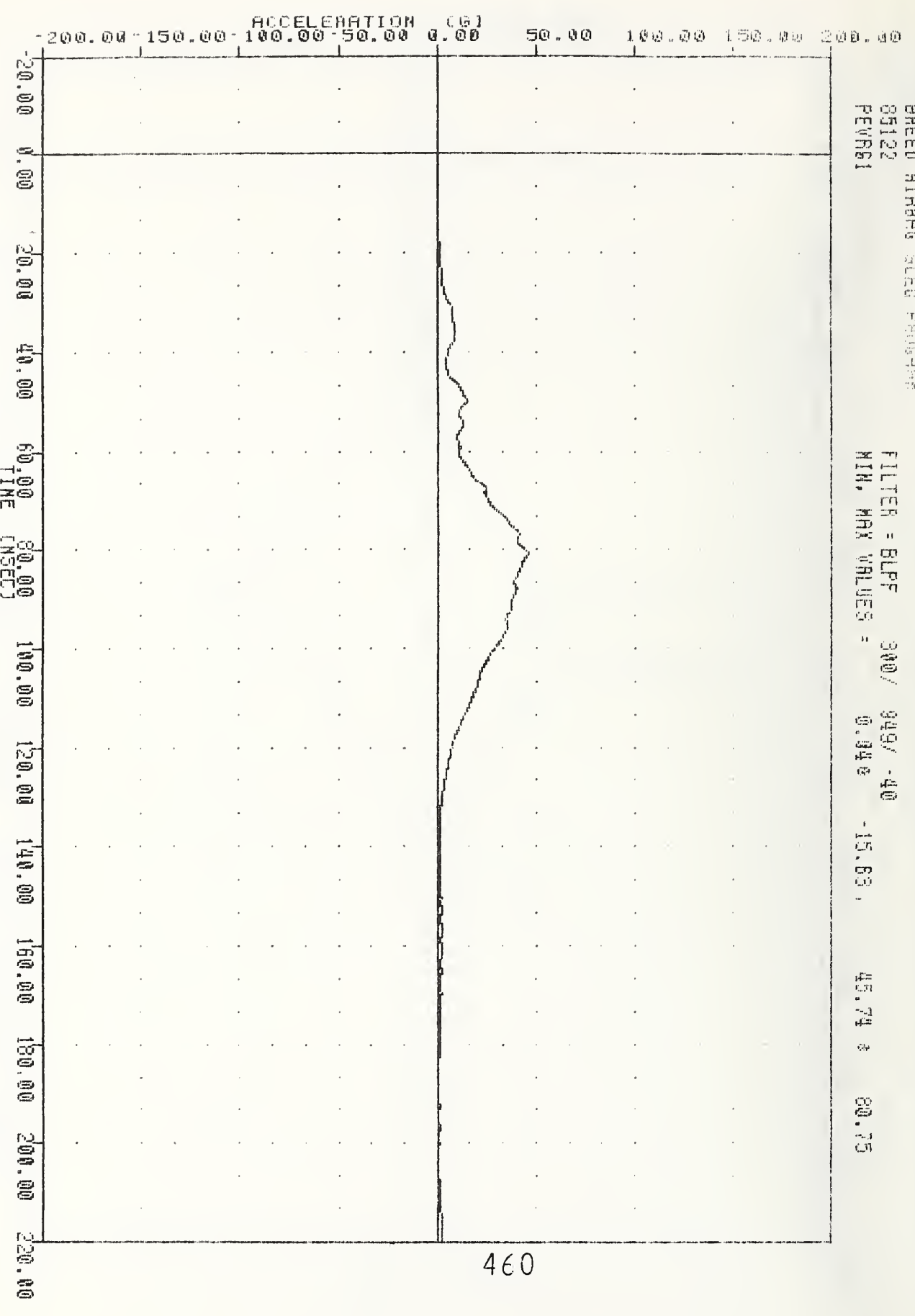


CHEVROLET IMPALA SLEED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VHTC
 BREED AIRBAG SLED PROGRAM
 85122
 PEVRS1

* F0386-4-25
 FILTER = BLPF 300/ 999/ -40
 MIN, MAX VALUES = 0.048 -15.63

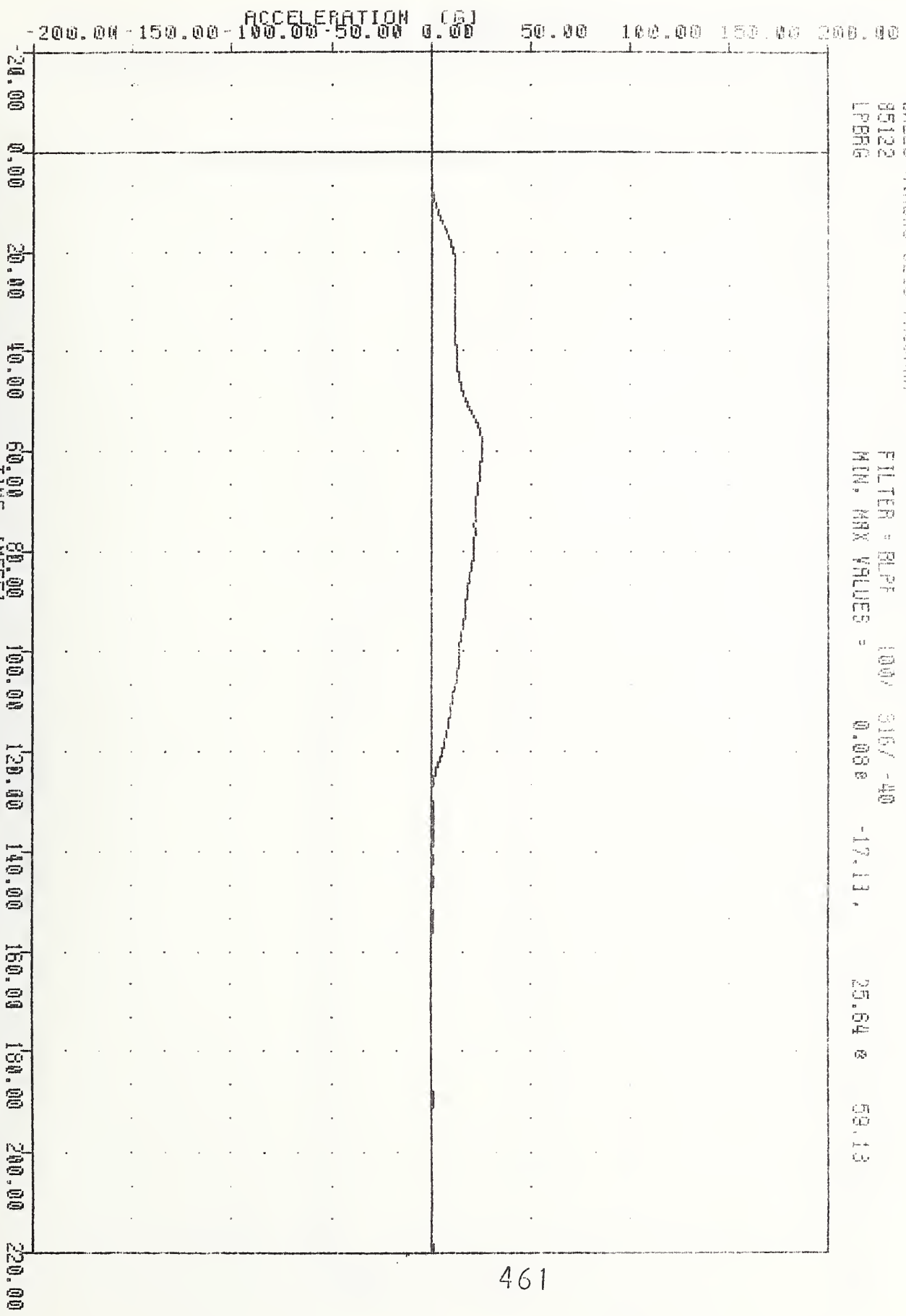
14:04:00
 45.74 * 80.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS RESULT.PNT

WRTC
 BREED AIRSIS SLED PROGRAM
 85122
 LPSRG

7/18/84 4:00
 2-MPH
 4:04:00
 FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = 0.08g -17.13, 25.64g 59.13

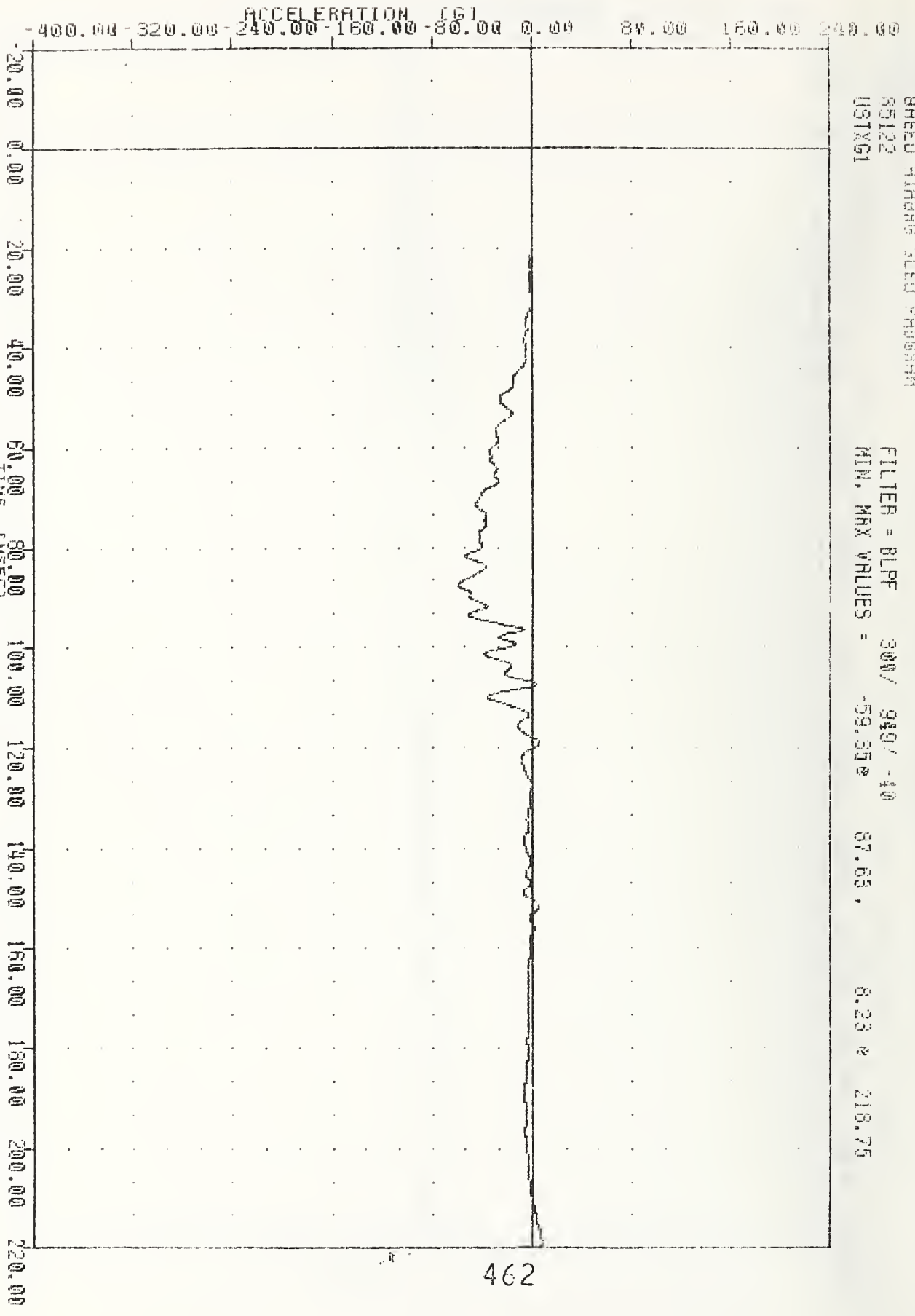


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

ORTU
 BREED AIRBORNE SLED SH00695M
 85122
 USTXG1

, PD384 4-25
 PLOT DATE 2-4-87-85 14:20:19
 FILTER = BLPF 300/-10
 MIN, MAX VALUES = -59.35 87.63

8.23 2 218.75



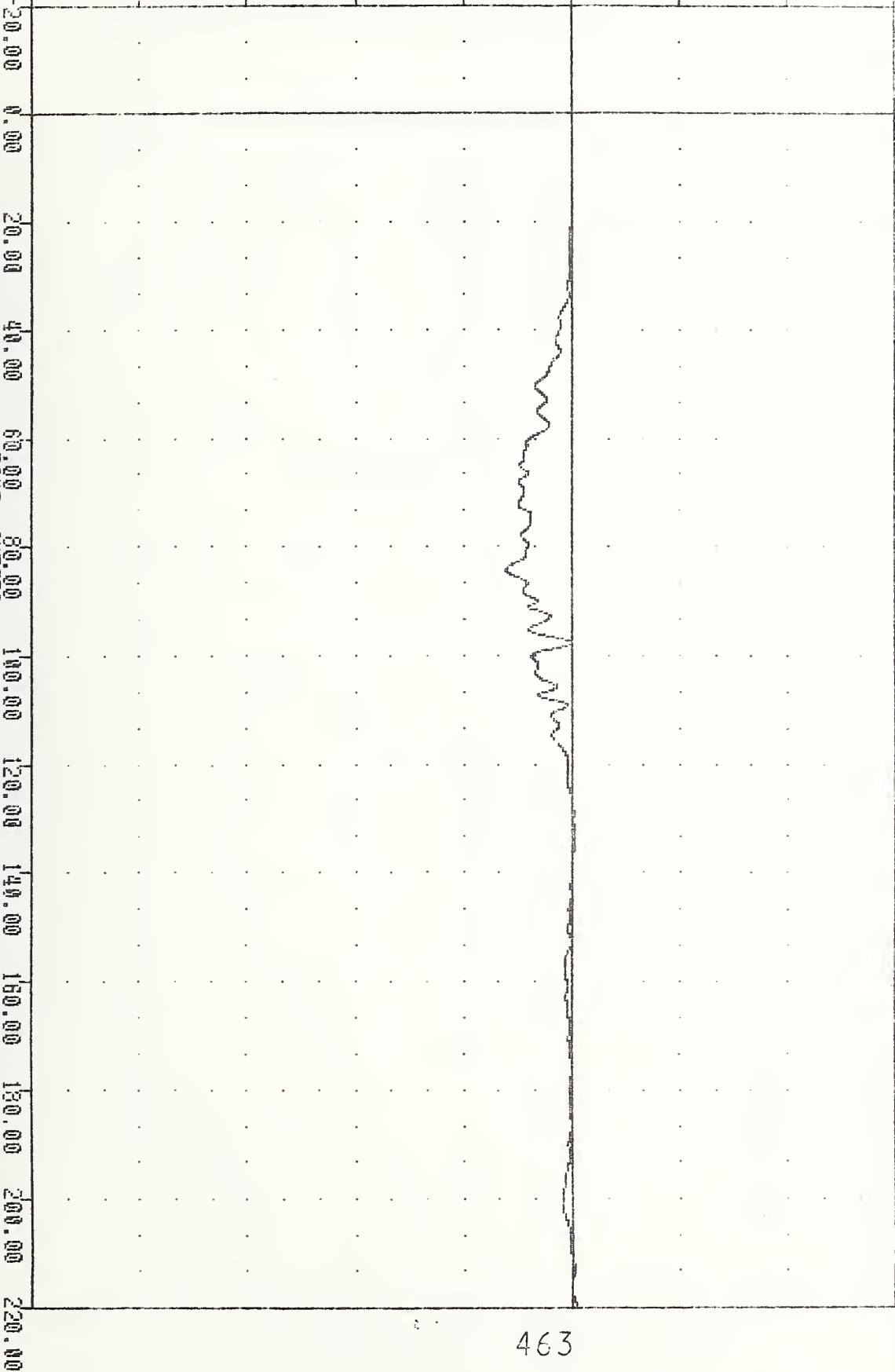
CHEVROLET IMPALA SLED TEST - 85 MPH - 50TH PERCENTILE DUMMY
 DRIVER UPPER STEERING ACCELERATION - AXIS

ACCELERATION (G)
 -400.00 -320.00 -240.00 -160.00 -80.00 0.00 80.00 160.00 240.00

VRTC
 BREED AIRBAG SLED PROGRAM
 L91X61

PLOT DATE 2-987-95 14:02:19
 FILTER = 8LPP 300/ 9497 -40
 MIN, MAX VALUES = -48.42 84.98

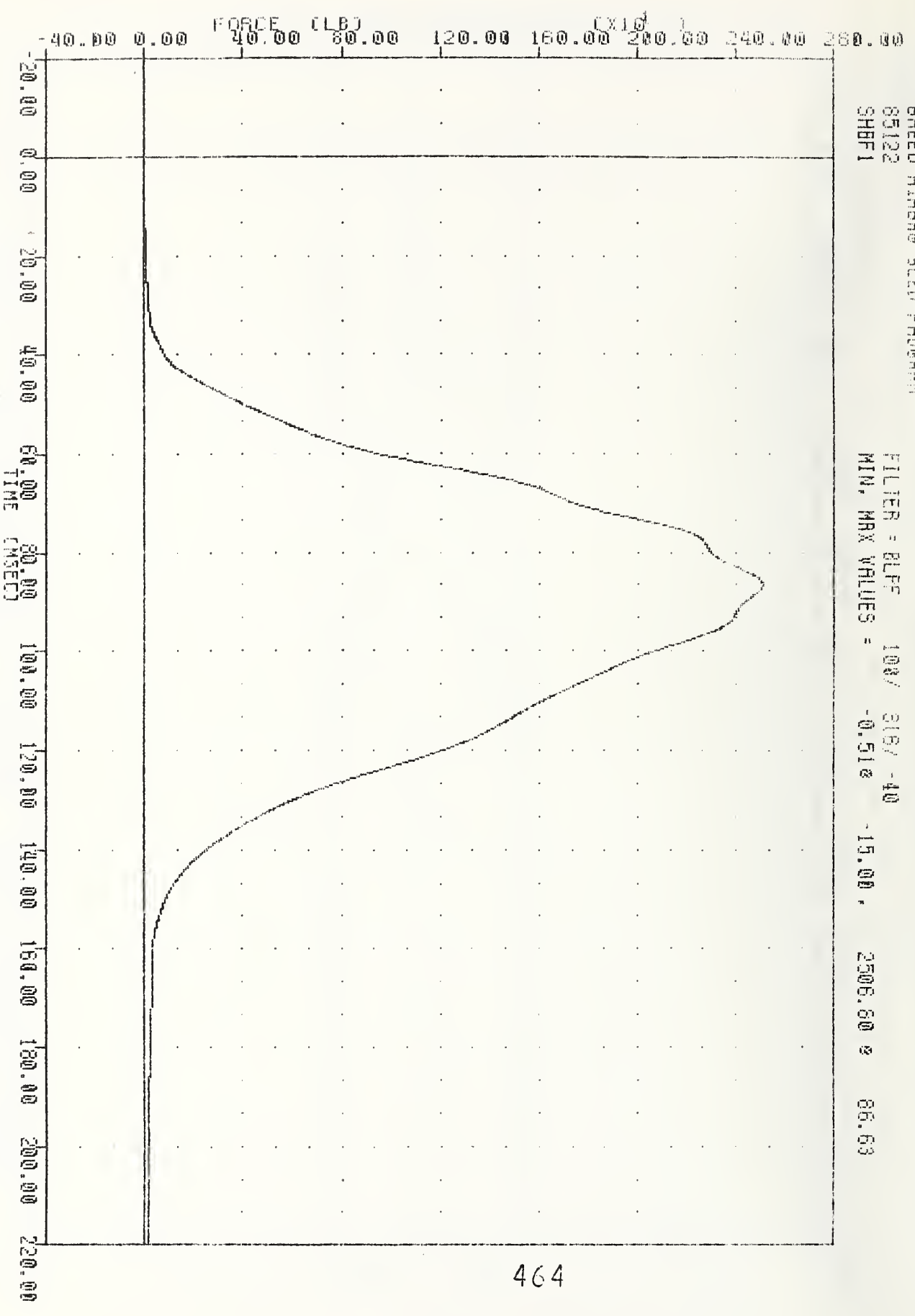
4.02 220.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LOWER STERNUM ACCELERATION X AXIS

VRIC
BREED HISBAG SLED PROGRAM
85122
SHBF1

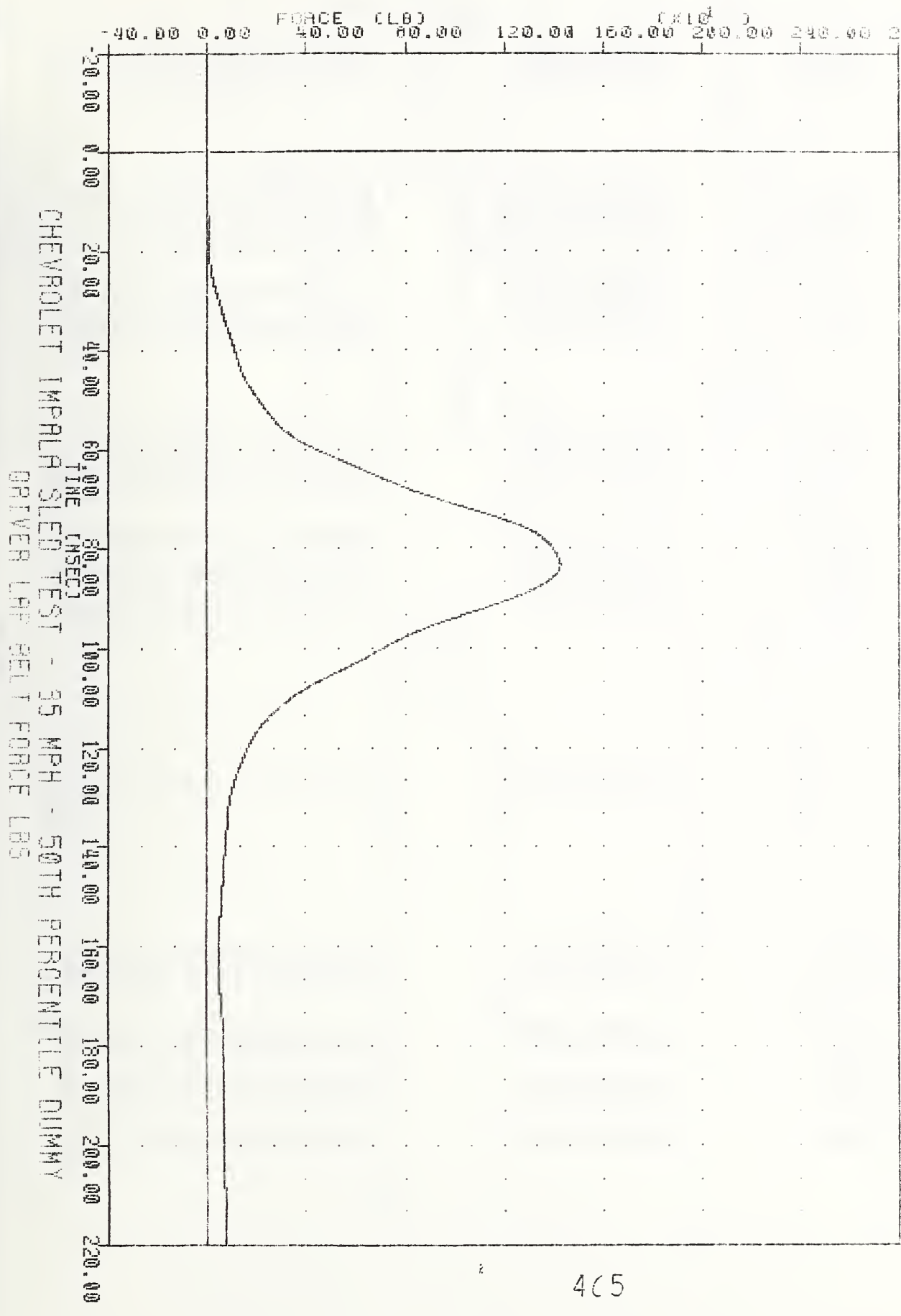
PL01 DATE 2-NOV-85 11:02:16
FILTER = BLF5 100/ 318/ -40
MIN, MAX VALUES = -0.512 -15.00 , 2506.60 2 86.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

VITE .ND004-4-23
 BREED AIRBAG SLED PROGRAM
 85122
 LB0F1

CRUT DATE 2-18-85 14:02:19
 FILTER = BLPE 100/ 316/ .40
 MIN, MAX VALUES = -0.03% -10.63 1427.41 * 83.38



TRC431P. RAD: 2
VRTC
85123

RD384-4-24 BREED AIRBAG SLED PROGRAM
35.00 mph

3-MAY-85 14:43

EVENT	Min value	Max value	Data Units	Filter
1	0.061 @	75.125	1.614 @ -18.000 msec	ALPF 1650/ 5214/ -40
2	-38.366 @	124.750	0.153 @ -0.500 msec	ALPF 100/ 316/ -40
3	-25.947 @	56.500	1.371 @ 127.750 msec	BLPF 100/ 316/ -40
4	-101.265 @	96.500	13.104 @ 86.875 msec	ALPF 1650/ 5214/ -40
5	-15.708 @	122.750	4.193 @ 138.250 msec	ALPF 1650/ 5214/ -40
6	-65.381 @	119.250	131.523 @ 86.000 msec	ALPF 1650/ 5214/ -40
7	-128.851 @	113.500	15.689 @ 95.125 msec	BLPF 300/ 949/ -40
8	-18.574 @	109.500	3.865 @ 94.875 msec	BLPF 300/ 949/ -40
9	-5.998 @	128.625	32.278 @ 99.500 msec	BLPF 300/ 949/ -40
10	-314.811 @	82.125	235.060 @ 85.500 msec	BLPF 300/ 949/ -40
11	-171.871 @	110.375	220.359 @ 83.125 msec	BLPF 300/ 949/ -40
12	-106.586 @	89.625	7.141 @ 137.875 msec	BLPF 300/ 949/ -40
13	-36.839 @	85.000	23.774 @ 95.000 msec	BLPF 300/ 949/ -40
14	-22.943 @	86.375	3.692 @ 99.125 msec	BLPF 300/ 949/ -40
15	-2085.419 @	94.750	170.742 @ 136.625 msec	BLPF 1000/ 3162/ -40
16	-3636.699 @	85.500	12.498 @ 68.000 msec	BLPF 1000/ 3162/ -40
17	-25.414 @	59.875	1.382 @ 129.500 msec	BLPF 100/ 316/ -40
18	-2.307 @	82.625	2.654 @ 105.125 msec	BLPF 100/ 316/ -40
19	-1.472 @	111.750	1.913 @ 96.625 msec	ALPF 100/ 316/ -40
20	-0.017 @	7.500	2.329 @ 142.250 msec	ALPF 1650/ 5214/ -40
21	-0.057 @	0.000	9.995 @ 137.375 msec	ALPF 1650/ 5214/ -40

466

TRC431P. RAD: 2
VRTC
85123

RD384-4-24 BREED AIRBAG SLED PROGRAM
35.00 mph

3-MAY-85 14:43

EVENT	Min value	Max value	Data Units	Filter
1	-49.401 @	203.375	1.660 @ 81.750 msec	BLPF 300/ 949/ -40
2	-60.089 @	220.000	0.493 @ 86.500 msec	BLPF 300/ 949/ -40
3	-49.962 @	139.625	-0.204 @ -7.750 msec	BLPF 300/ 949/ -40
4	-64.942 @	220.000	-0.104 @ -20.000 msec	BLPF 300/ 949/ -40
5	-37.846 @	130.750	-0.243 @ -18.750 msec	BLPF 300/ 949/ -40
6	-58.204 @	220.000	-0.134 @ -20.000 msec	BLPF 300/ 949/ -40
7	-37.935 @	120.500	0.014 @ -18.375 msec	BLPF 300/ 949/ -40
8	-71.660 @	220.000	0.008 @ -10.750 msec	BLPF 300/ 949/ -40
9	-37.225 @	121.875	-0.005 @ -20.000 msec	BLPF 300/ 949/ -40
10	-69.436 @	220.000	0.000 @ -20.000 msec	BLPF 300/ 949/ -40

TRC431P. RAD: 2
VRTC
85123

RD384-4-24 BREED AIRBAG SLED PROGRAM
35.00 mph

3-MAY-85 14:43

EVENT	Min value	Max value	Data Units	Filter
1	0.041 @	2.000	147.654 @ 86.000 msec	ALPF 1650/ 5214/ -40
2	0.049 @	-7.500	133.294 @ 113.500 msec	BLPF 300/ 949/ -40
3	0.025 @	9.250	113.916 @ 85.500 msec	BLPF 300/ 949/ -40
4	0.032 @	-11.375	25.451 @ 59.750 msec	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC431RP.RAD:2
VRTC RD384-4-24 BREED AIRBAG SLED PROGRAM
85123 35.00 mph

* * * HIC computation for HEDRG1 3-MAY-85 15:43

Using time range = 0.000 to 150.875 msec Peak accel = 147.65 @ 86.000

HIC = 1287.16 Interval from 84.000 [833] to 125.125 [1162]

HIC = 736.92 Interval from 107.625 [1022] to 122.625 [1142]

R SYSP:THREMS
*** Three ms clip program for chest resultant channel ***

THREMS -- Displays greatest value over a 3 ms. period

Enter input filespec -> TRC431RP

File TRC431RP -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-24 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 LPRRG

Enter channel name -> CSTRG1

LSLED,BREEDJTRC431RP,RAD:2 VRTC RD384-4-24
BREED AIRBAG SLED PROGRAM 35.0 mph 85123 3-MAY-85 15:22:04
Deltax: 0.125

3 MS CLIP PEAK: 119.2268

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> ^Z

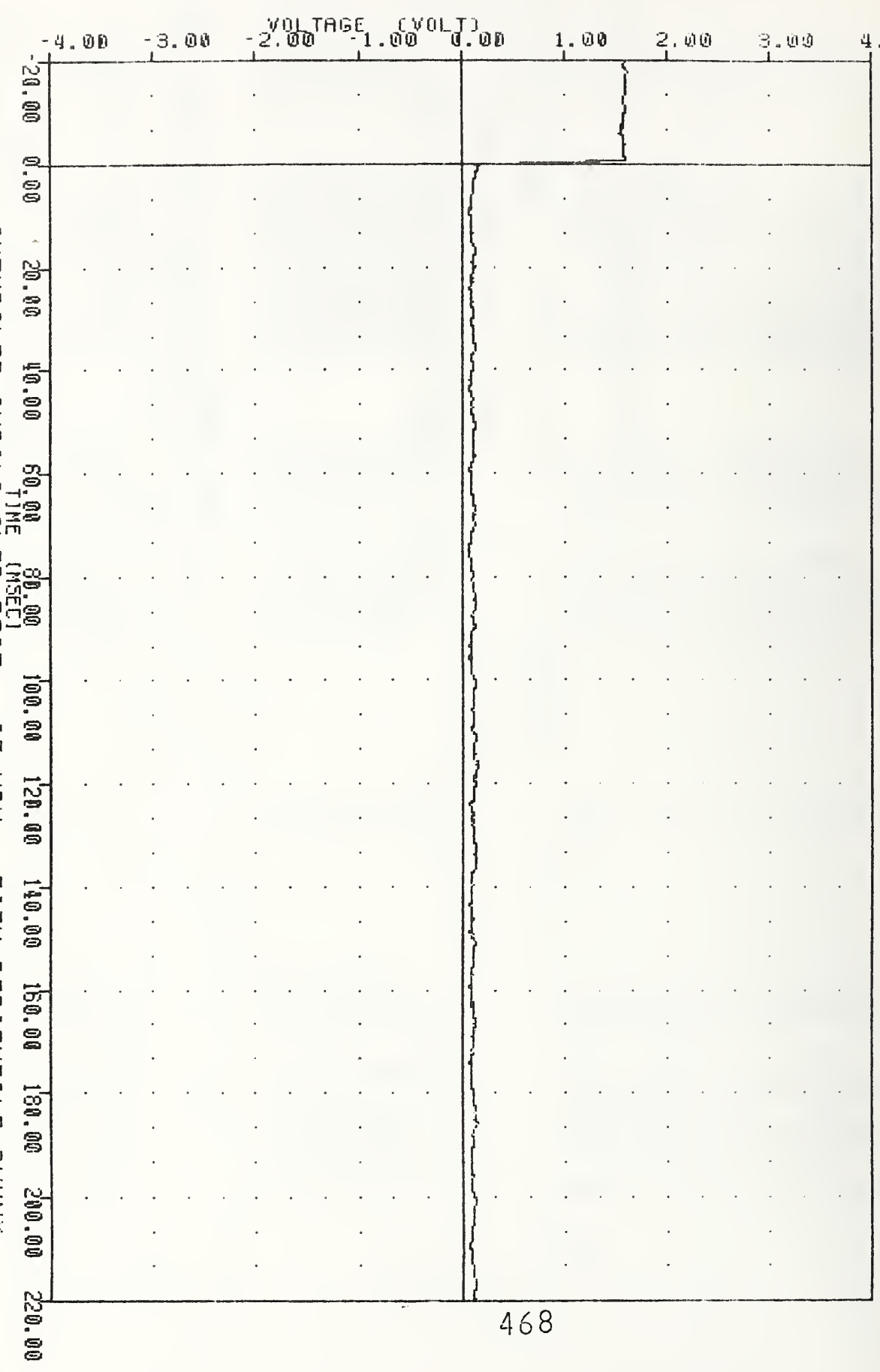
Enter input filespec -> ^Z

\$

WRIC
BREED AIRBAG SLED PROGRAM
EVENT 85123

* R0384-4-24
PLOT DATE 3-MAY-85 15:25:08

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = 0.06e 75.13, 1.61 e -18.00

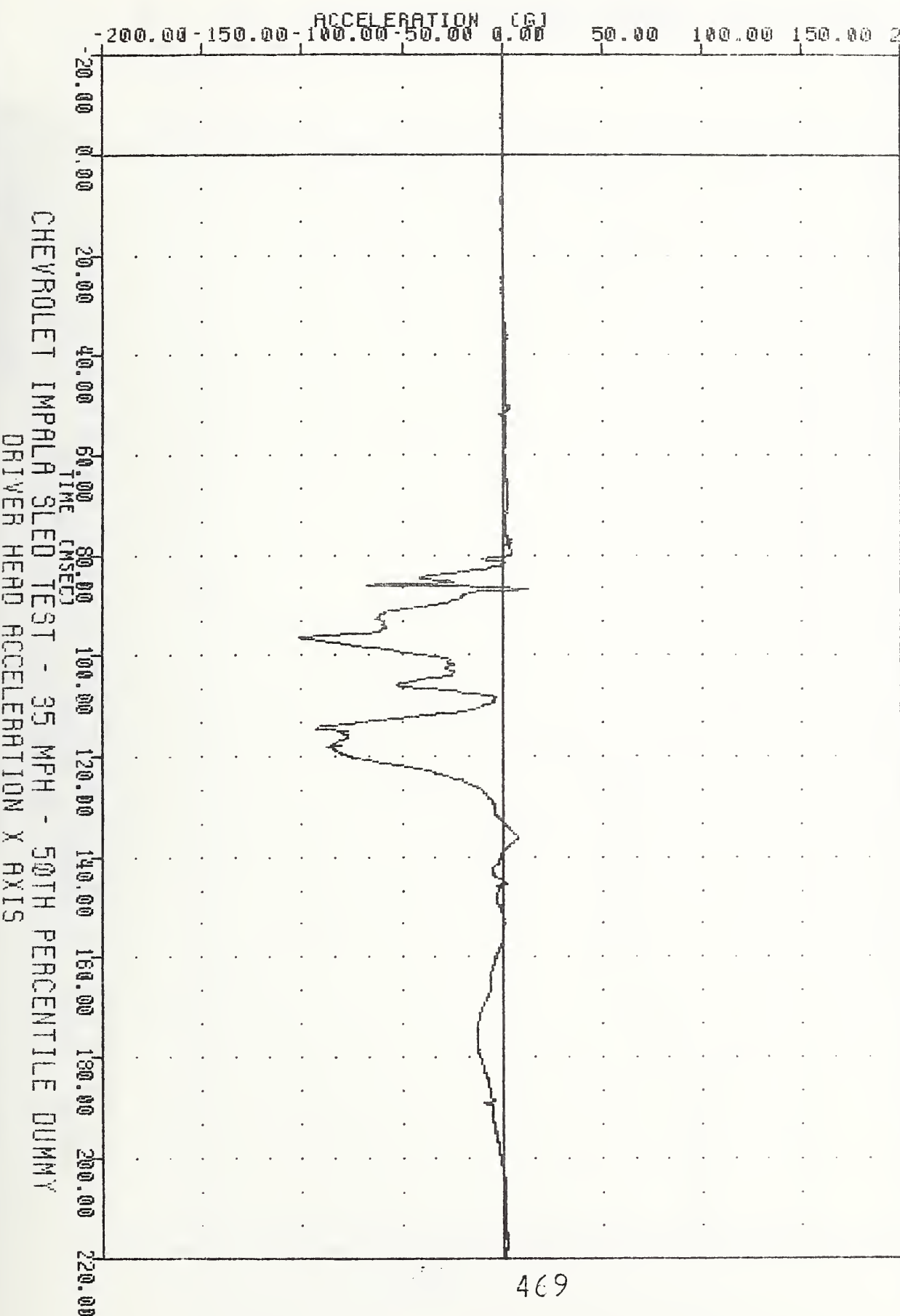


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
EVENT

WRIC
BREED AIRBORNE SLED PROGRAM
85123
HEDXG1

RD384-4-24
PLOT DATE 3-MAY-85 15:25:03
FILTER = RLPF 1650 / 5214 / -40
MIN, MAX VALUES = -101.272 96.50

13.10 86.88

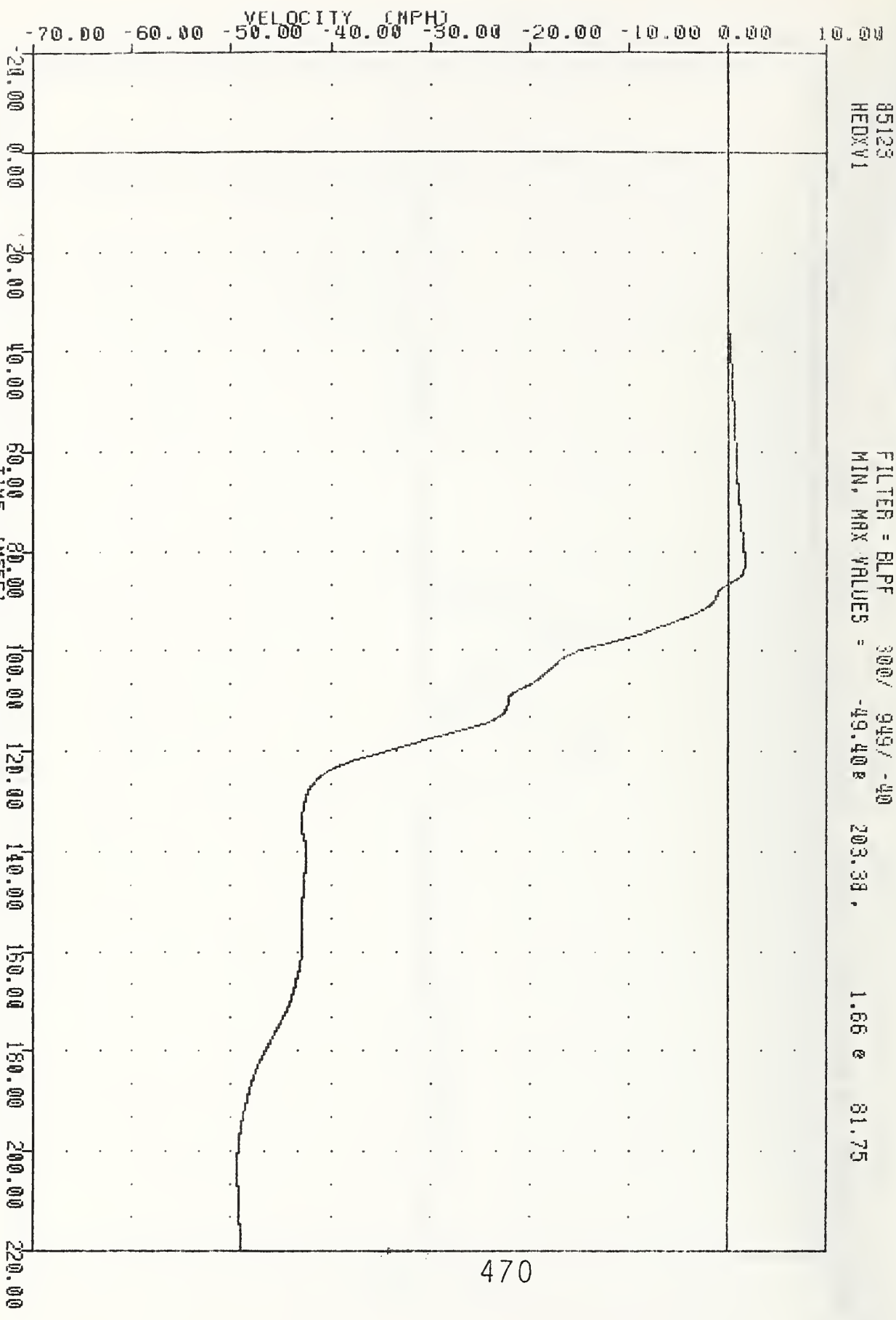


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC
BREED AIRBAS SLED PROGRAM
05123
HEDXV1

20084-4-24
PLOT DATE 6-MAY-85 08:51:29
FILTER = BLPF 300/
MIN, MAX VALUES = -49.40 e 203.38 ,

1.66 e 81.75

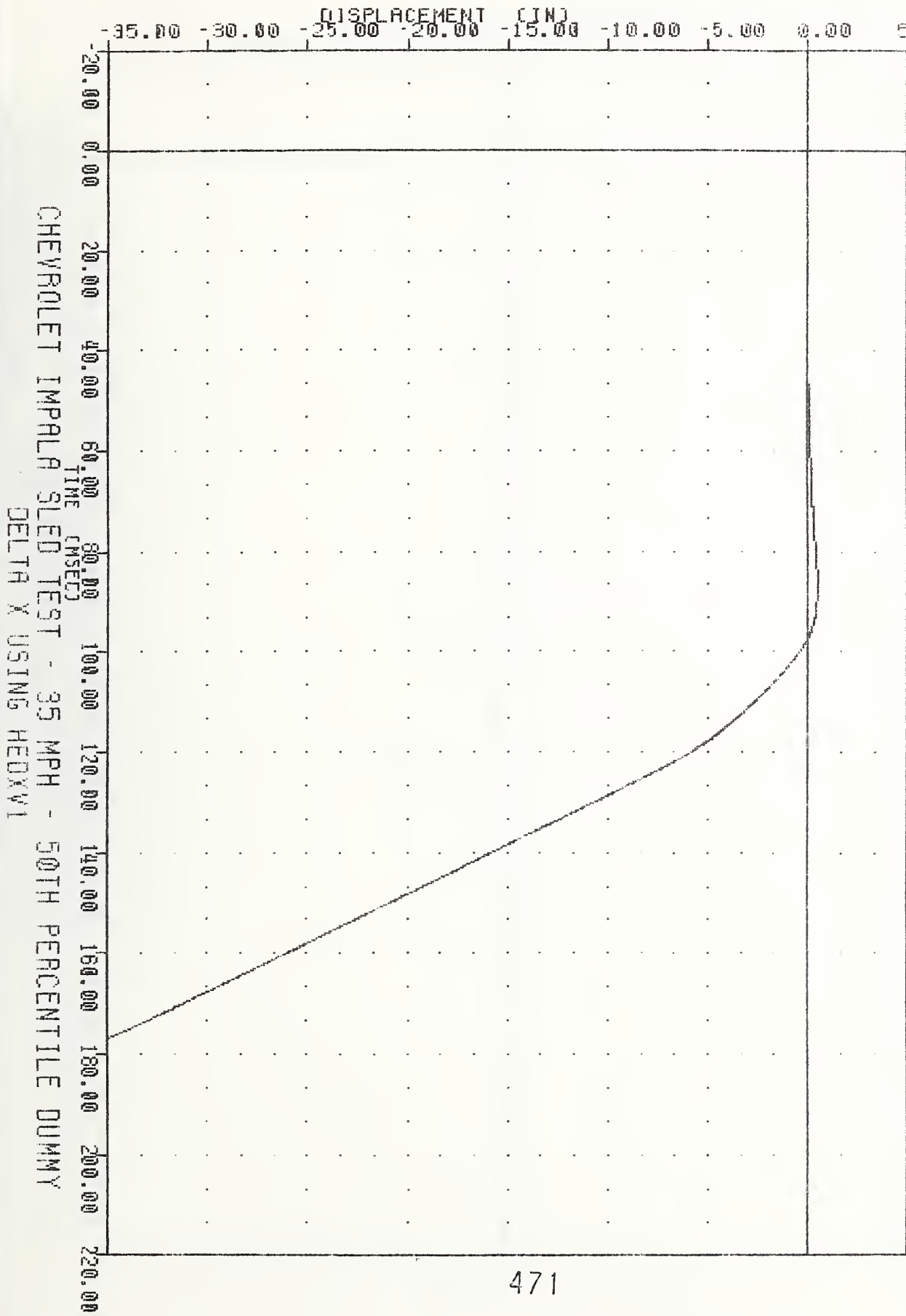


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRIC
 SPEED RIBERS SLED PROGRAM
 85123
 HEDX01

PLOT DATE 6-MAY-85 08:51:29
 FILTER = BLPF 300 / 949 / -10
 MIN, MAX VALUES = -80.09 220.00

0.49 86.50

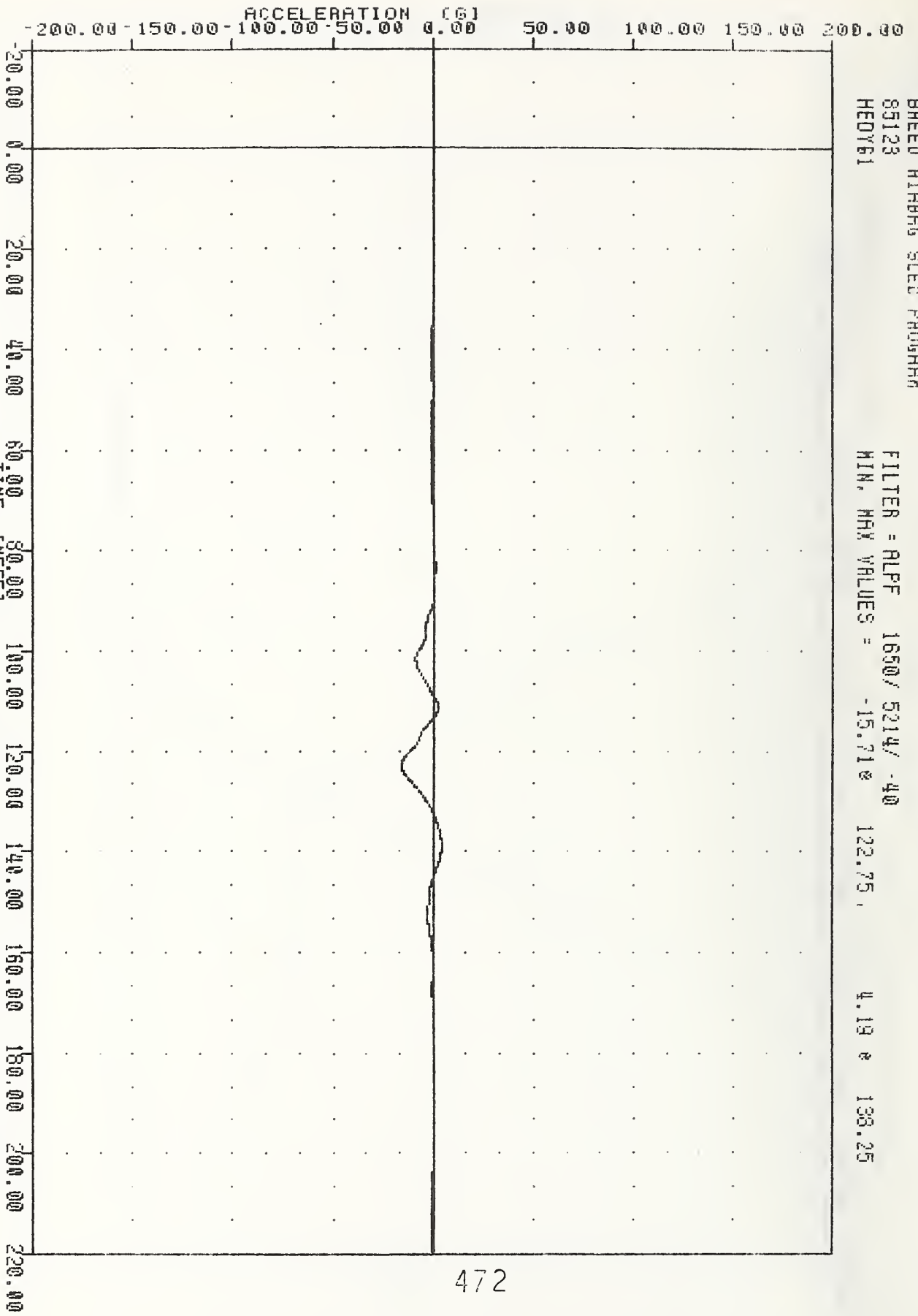


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING HEDXV1

VATIC
 BREED AIRBAG SLED PROGRAM
 85123
 HEDY61

PLOT DATE 3-MAY-85 15:25:03
 FILTER = RLPF 1650/ 5214/ .40
 MIN. MAX VALUES = -15.718 122.75

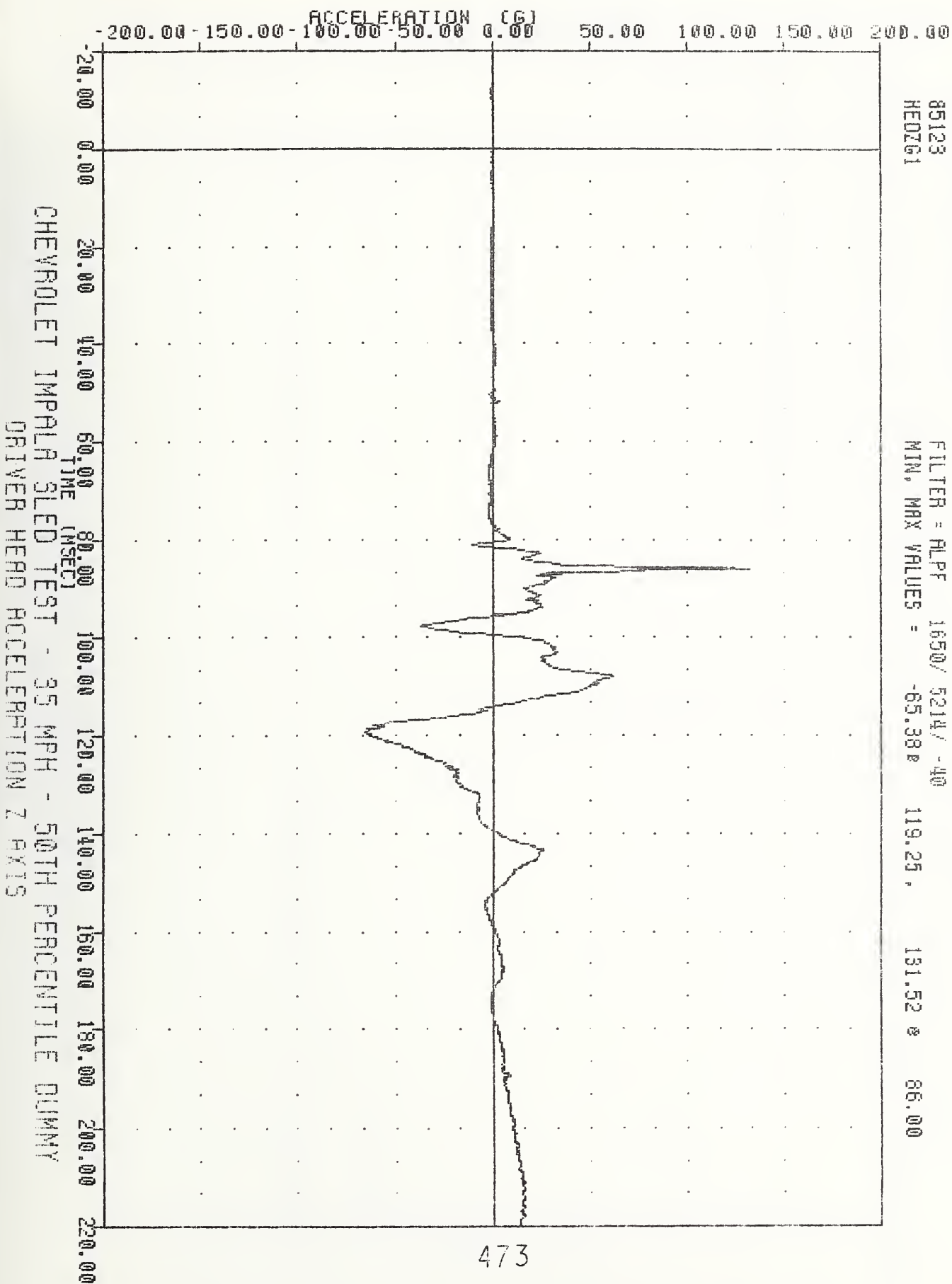
4.19 * 138.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85123
HEADZ61

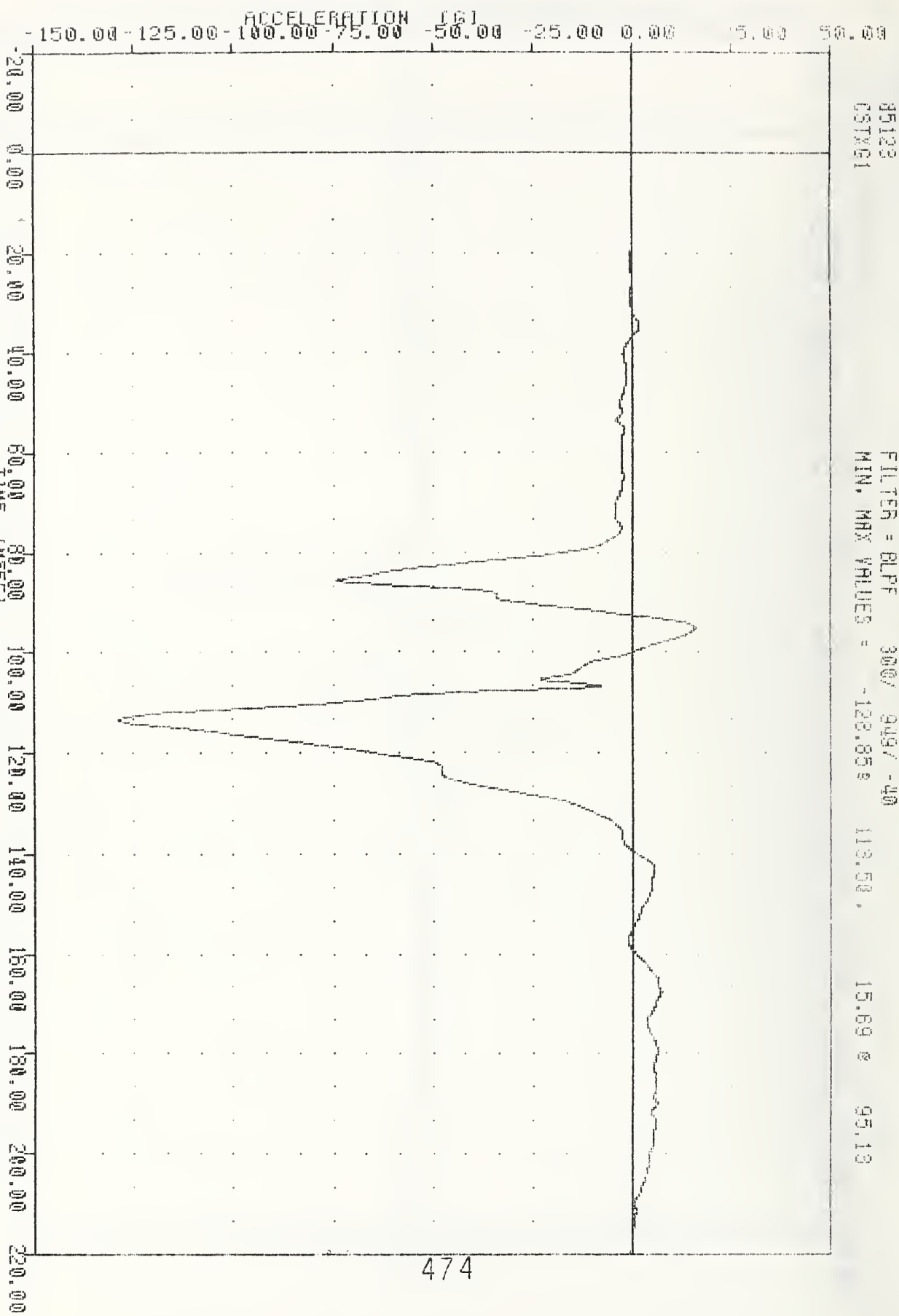
PLOT DATE 3-MAY-85 15:25:05
FILTER = HLPF 1650/ 5214/ -40
MIN, MAX VALUES = -65.38g 119.25g 131.52g 86.00g



VRTC
BREED 01/28/89 1.00 0.00/0.00
05123
OSTXG1

NO. 00004-4-24
PLANT DATE 8-MAY-85 10:07:03
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -128.85 113.50

15.69 95.13

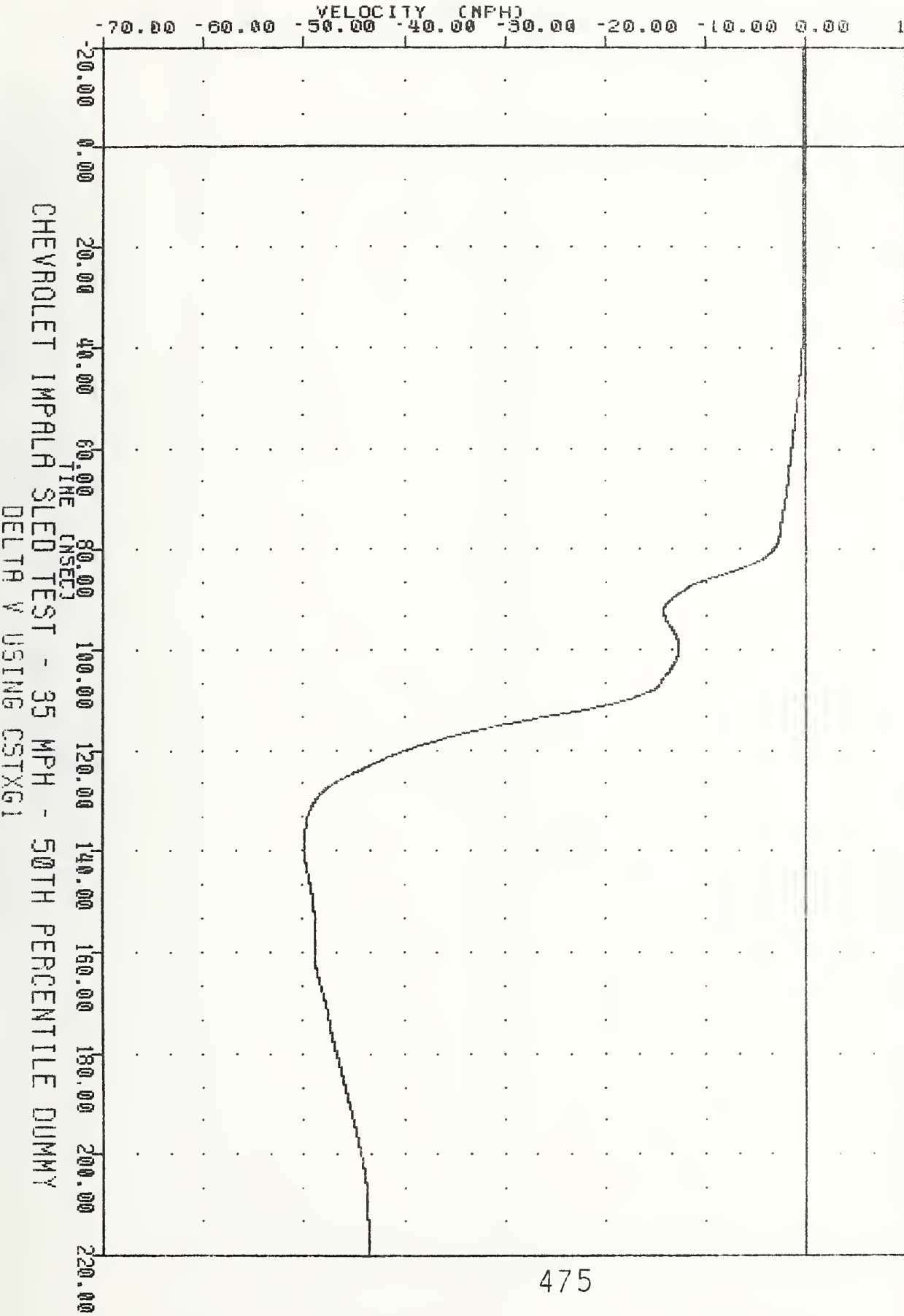


CHEVROLET IMPALA BLEED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

WRTC
 BREED AIRBAG SLED PROGRAM
 CSTXV1

RD384-4-24
 PLOT DATE 3-MAY-85 15:03:17
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -49.96 139.63

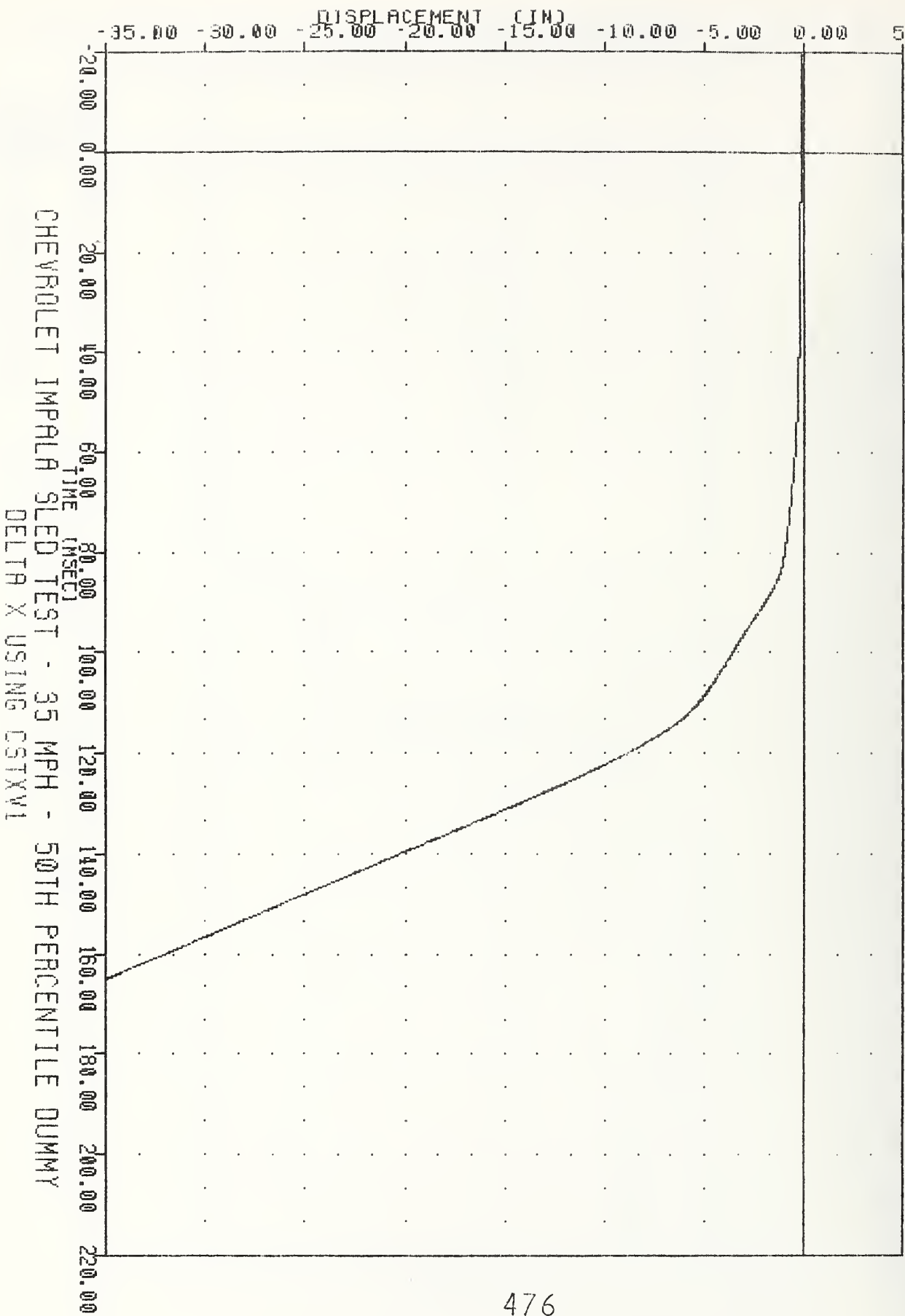
-0.20
 -7.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING CSTXG1

VRTC
BREED AIRBAG SLED PROGRAM
95123
CSTX01

• R0384-4-24
PLOT DATE 3-MAY-85 15:09:17
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -64.94 e 220.00 , -0.10 e -20.00

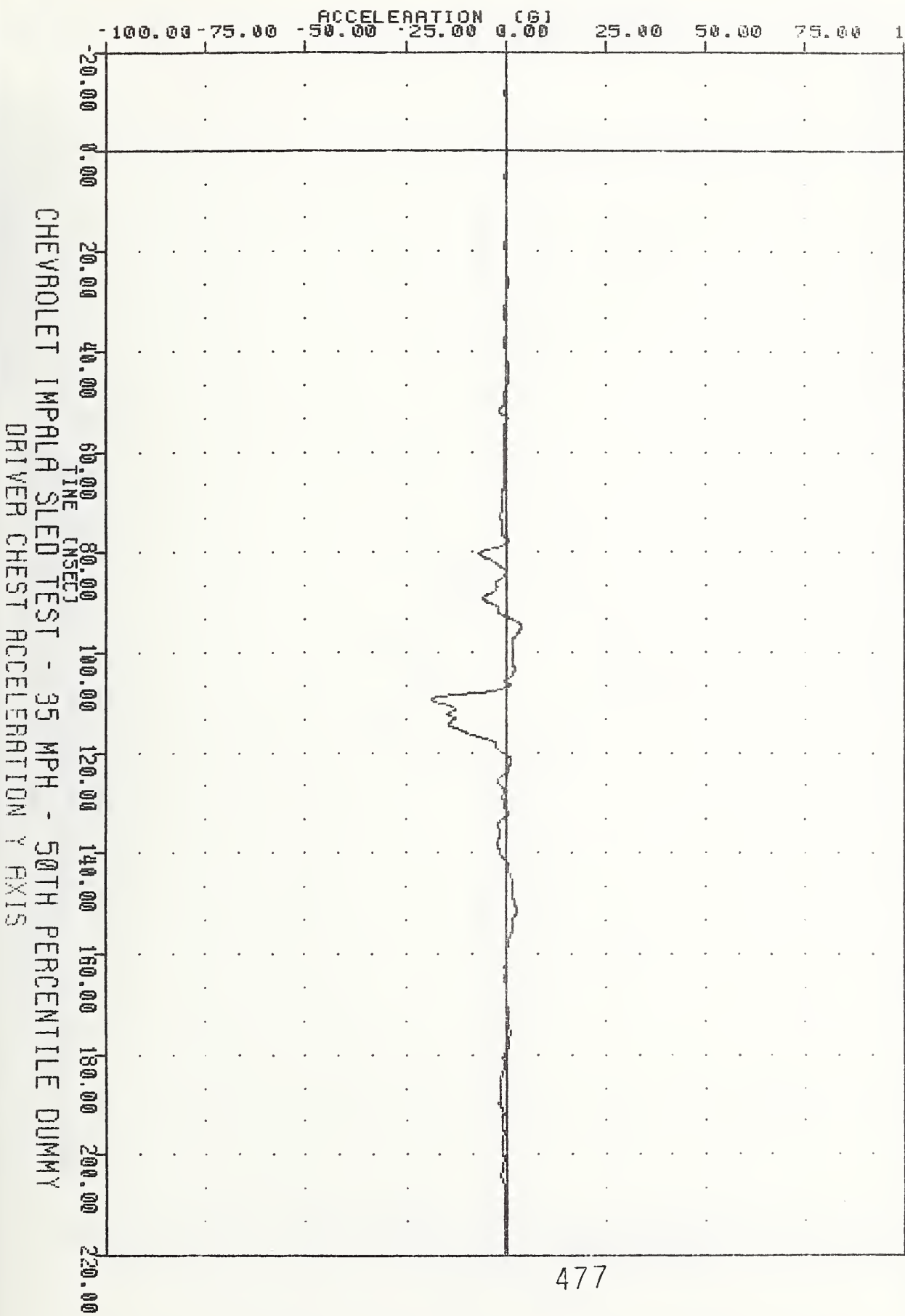


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VRTC
 BREED HIRSH SLED PROGRAM
 85123
 CSTYB1

RD384-4-24
 PLOT DATE 3-MAY-85 15:25:03
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -18.57 109.50

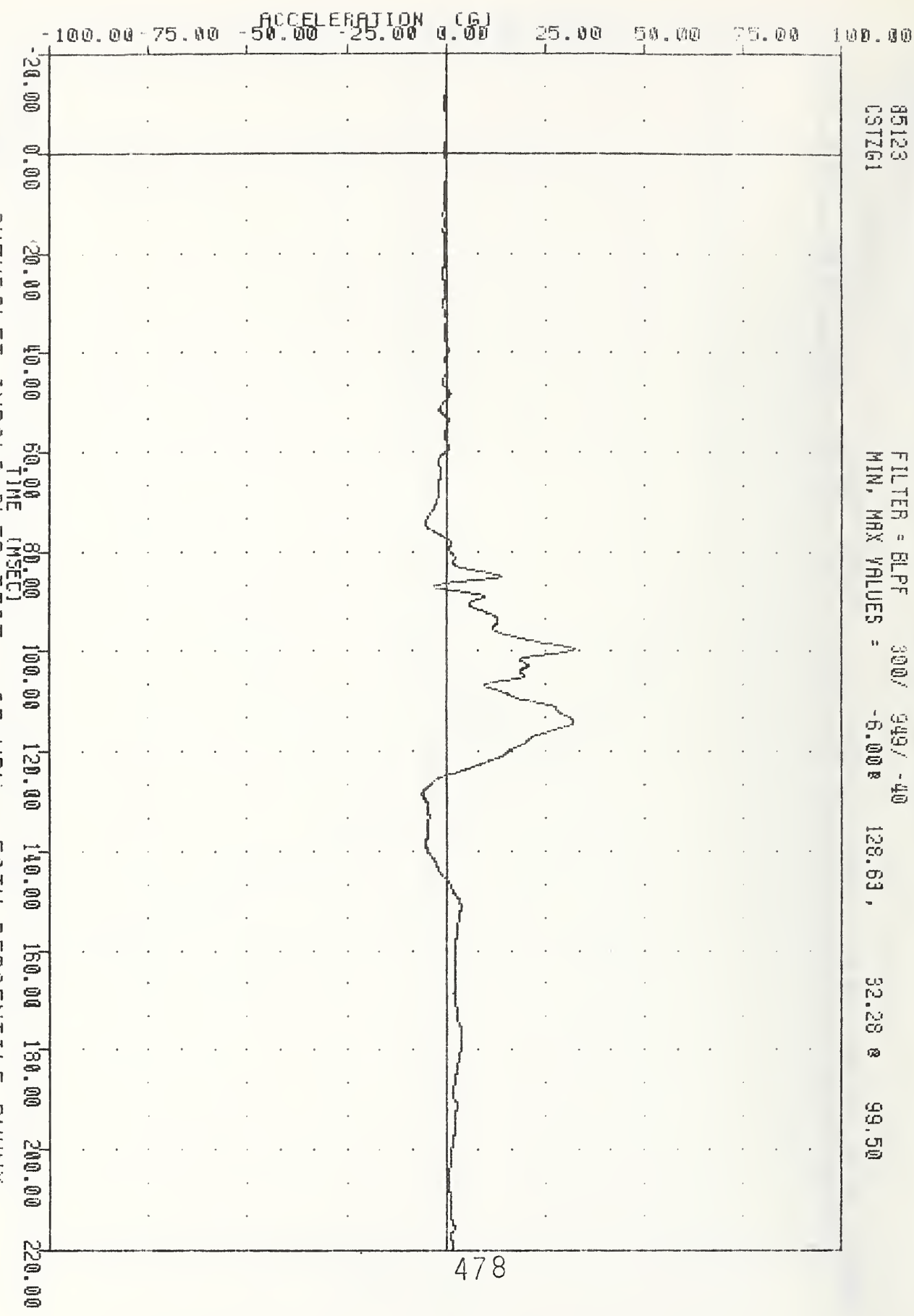
3.88 94.88



VRTC
BREED AIRBAG SLED PROGRAM
85123
CSTZ61

RO384-4.24
PLOT DATE 3-MAY-85 15:25:05
FILTER = BLPF 300/ 349/ -40
MIN, MAX VALUES = -6.00 128.63

32.28 99.50



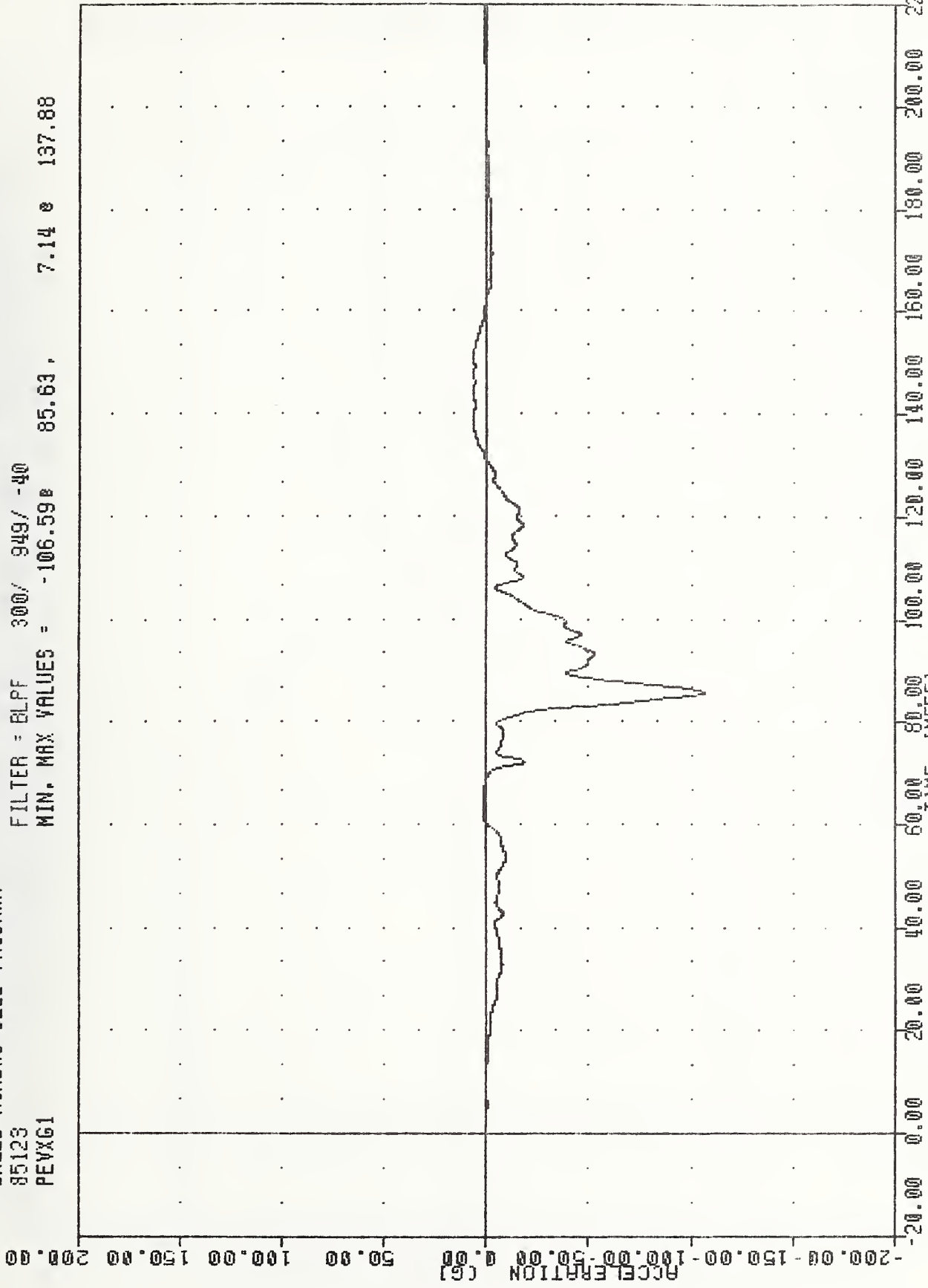
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRTC , R0384-4-24
BREED AIRBAG SLED PROGRAM
85123
PEVX61

PLOT DATE 3-MAY-85 15:25:03

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -106.598 85.631 7.14 e 137.88

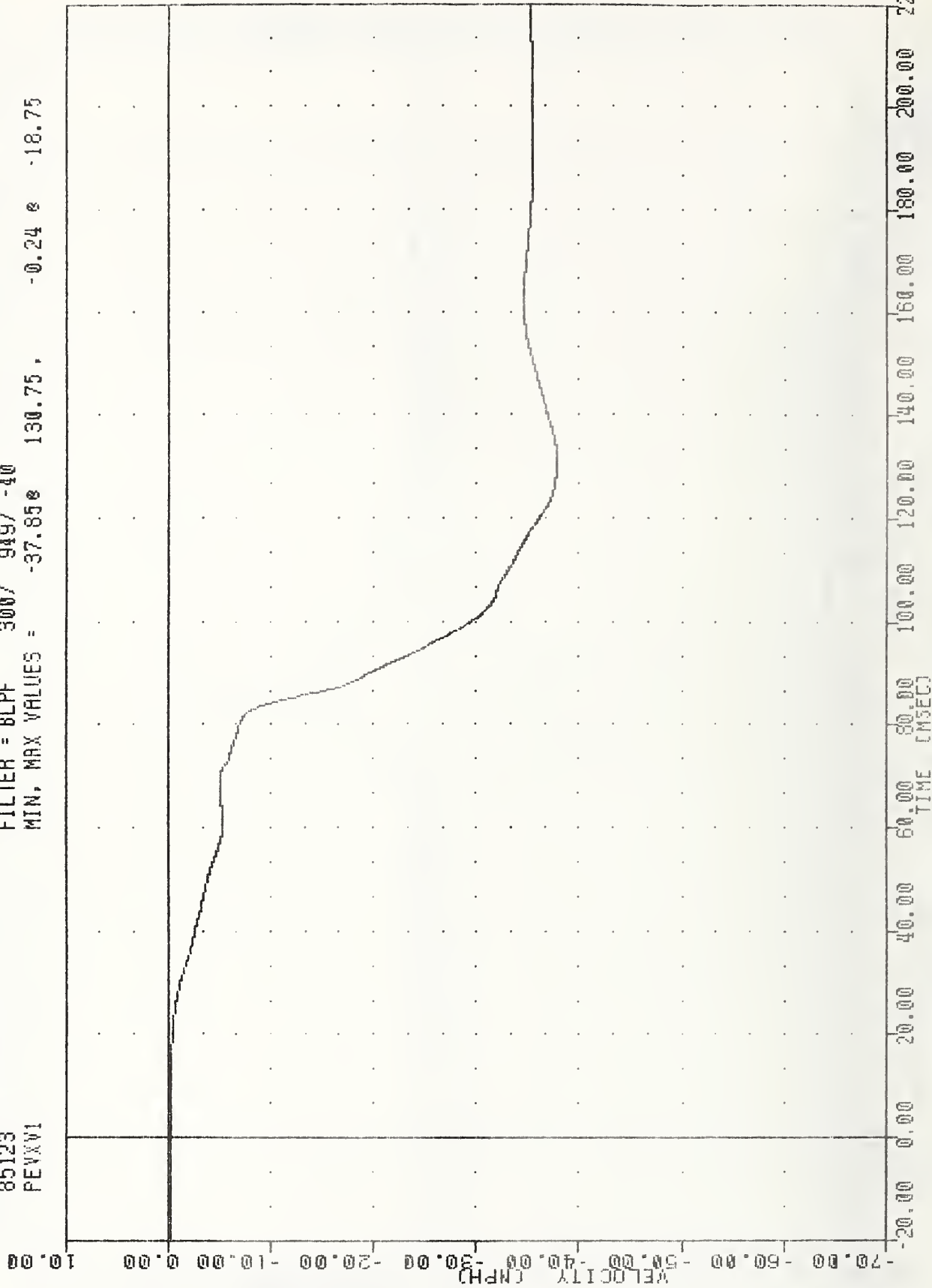


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-24
BRAED AIRBAG SLED PROGRAM
85123
PEXXV1

PLOT DATE 8-MAY-85 15:09:17

FILTER = 6LPF 300/ 949/ -40
MIN, MAX VALUES = -37.85 130.75 , -0.24 18.75



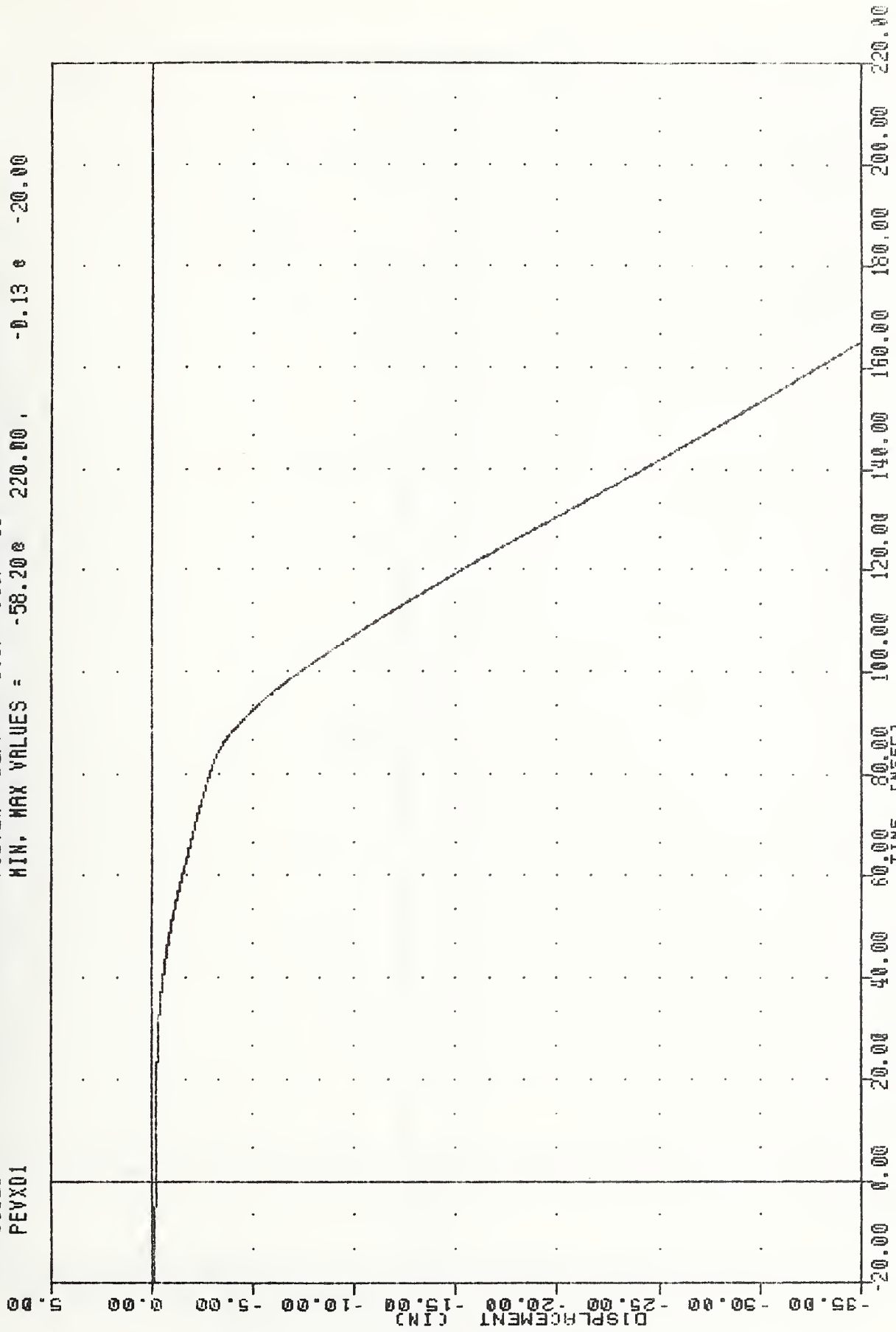
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVX61

VRTC
BREED AIRBAG SLED PROGRAM
85123
PEYX01

PLOT DATE 3-MAY-85 15:09:17

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -58.20e 220.00, -0.13e -20.00

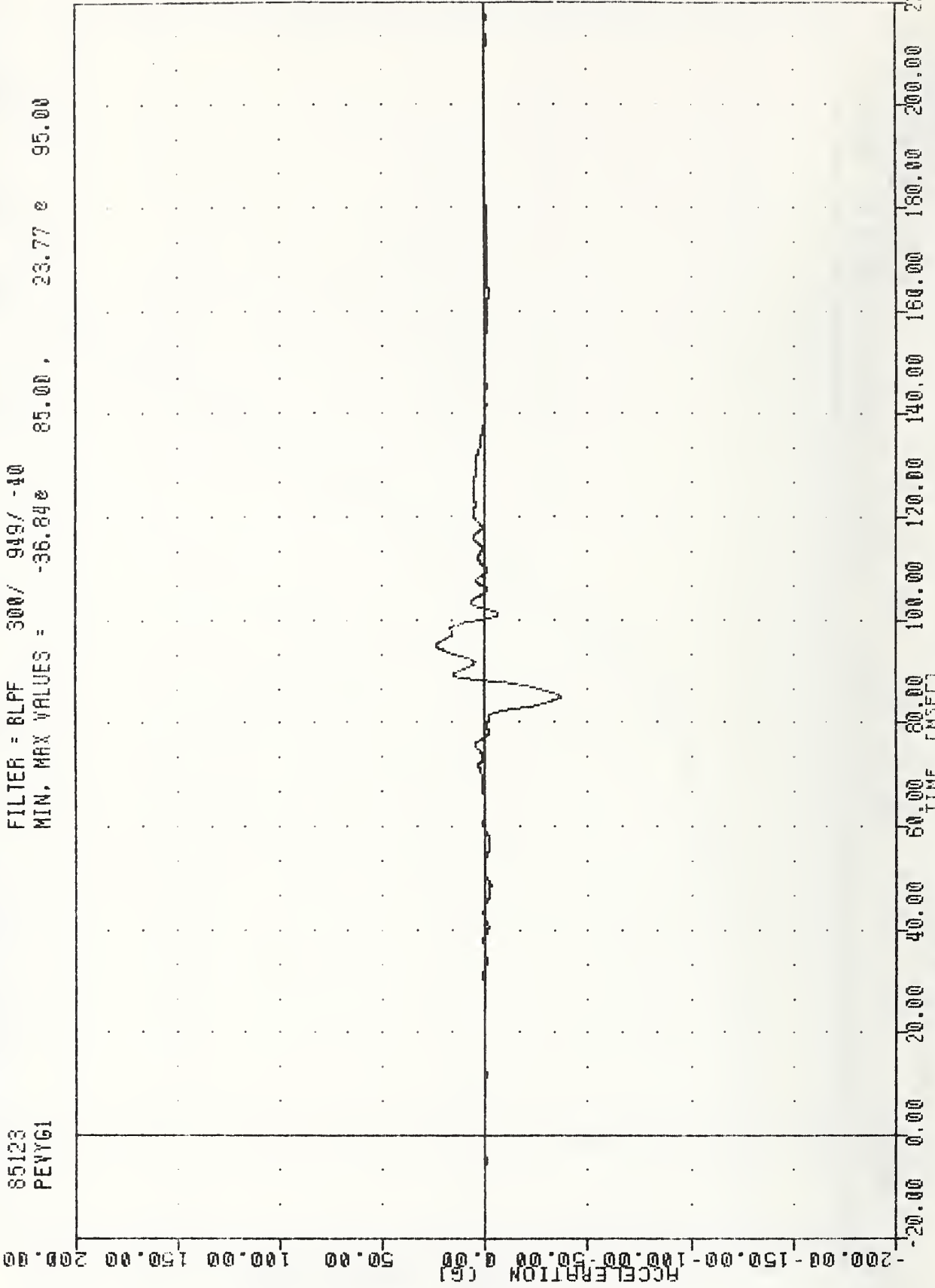


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING PEYX01

WRTC
BREED AIRBAG SLED PROGRAM
85123
PENYGI

PLOT DATE 8-MAY-85 15:25:03

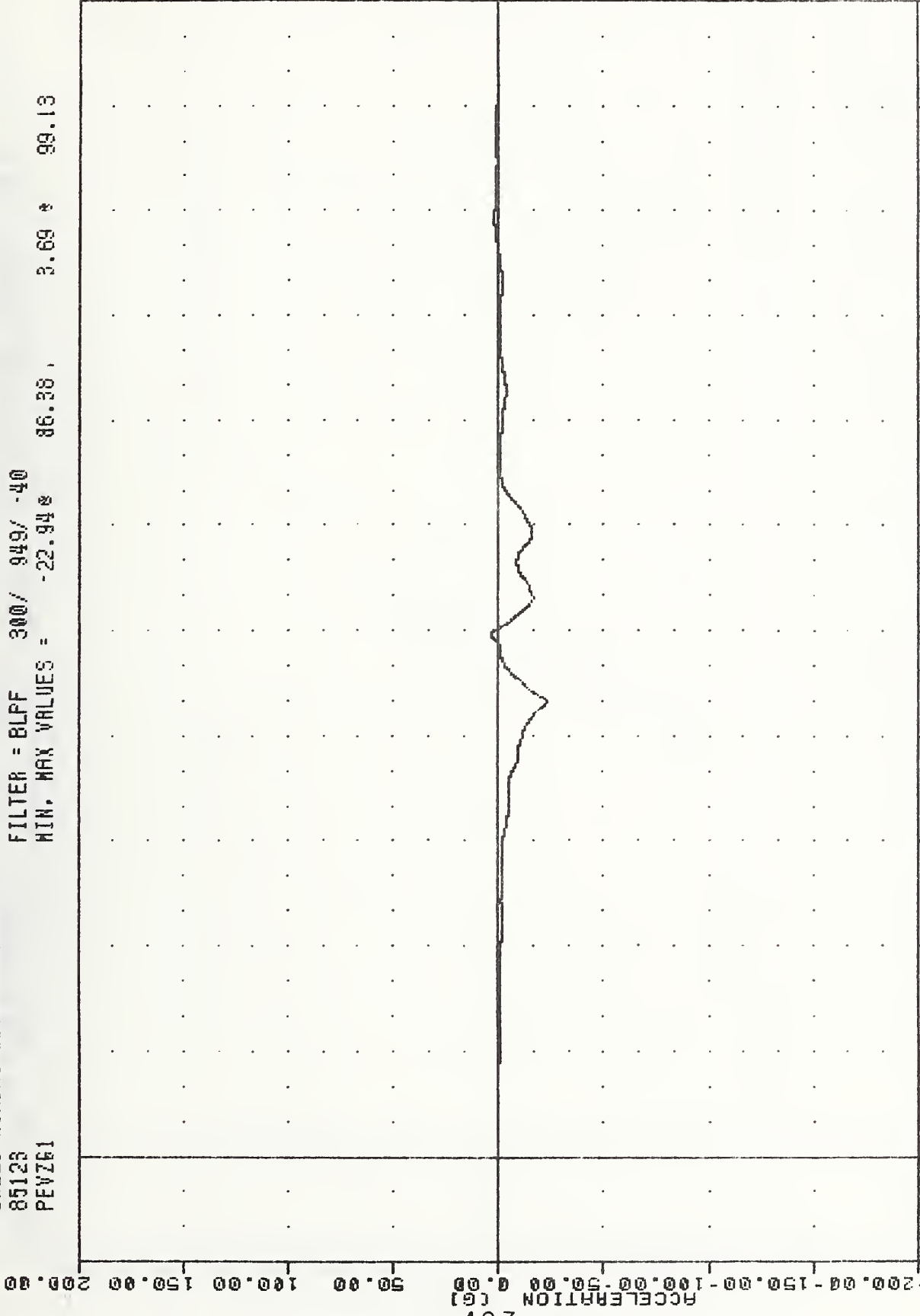
FILTER = 8LPF 300/ 949/ -40
MIN. MAX VALUES = -36.84e 85.00, 23.77 e 95.00



482

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

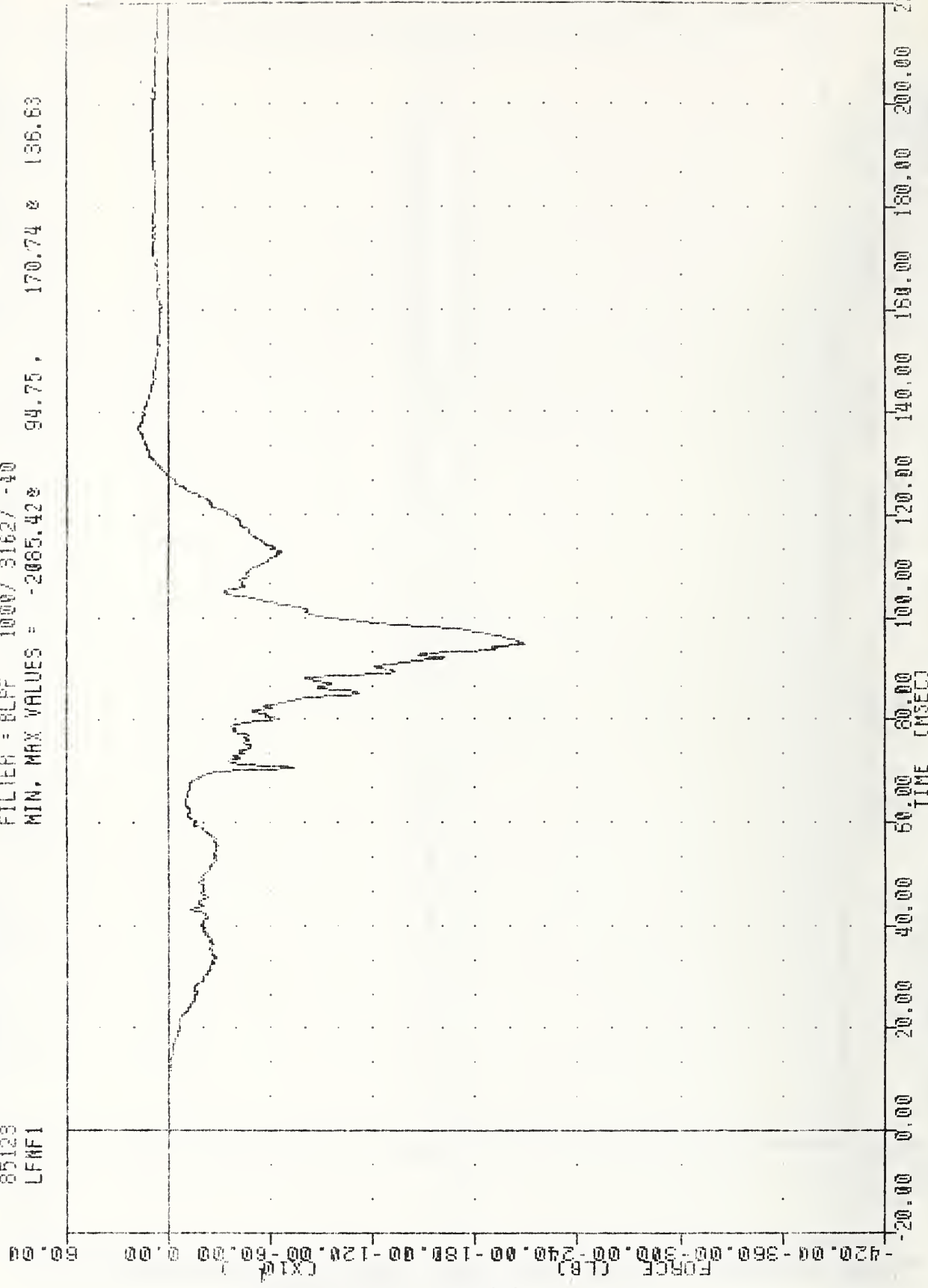
VRTC , RD384-4-24 PLOT DATE 3-MAY-85 15:25:03
 BREED AIRBAG SLED PROGRAM
 85123 FILTER = BLPF 300/ 949/ -40
 PEVZ61 MIN. MAX VALUES = -22.94* 86.38 , 3.69 * 99.13



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRIC
85123
LFNF1
BRED AIRBAG SLED PROGRAM
RD364-4-24

PLOT DATE 8-MAY-87 14:07:03
FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -2085.42 94.75, 170.74 136.63



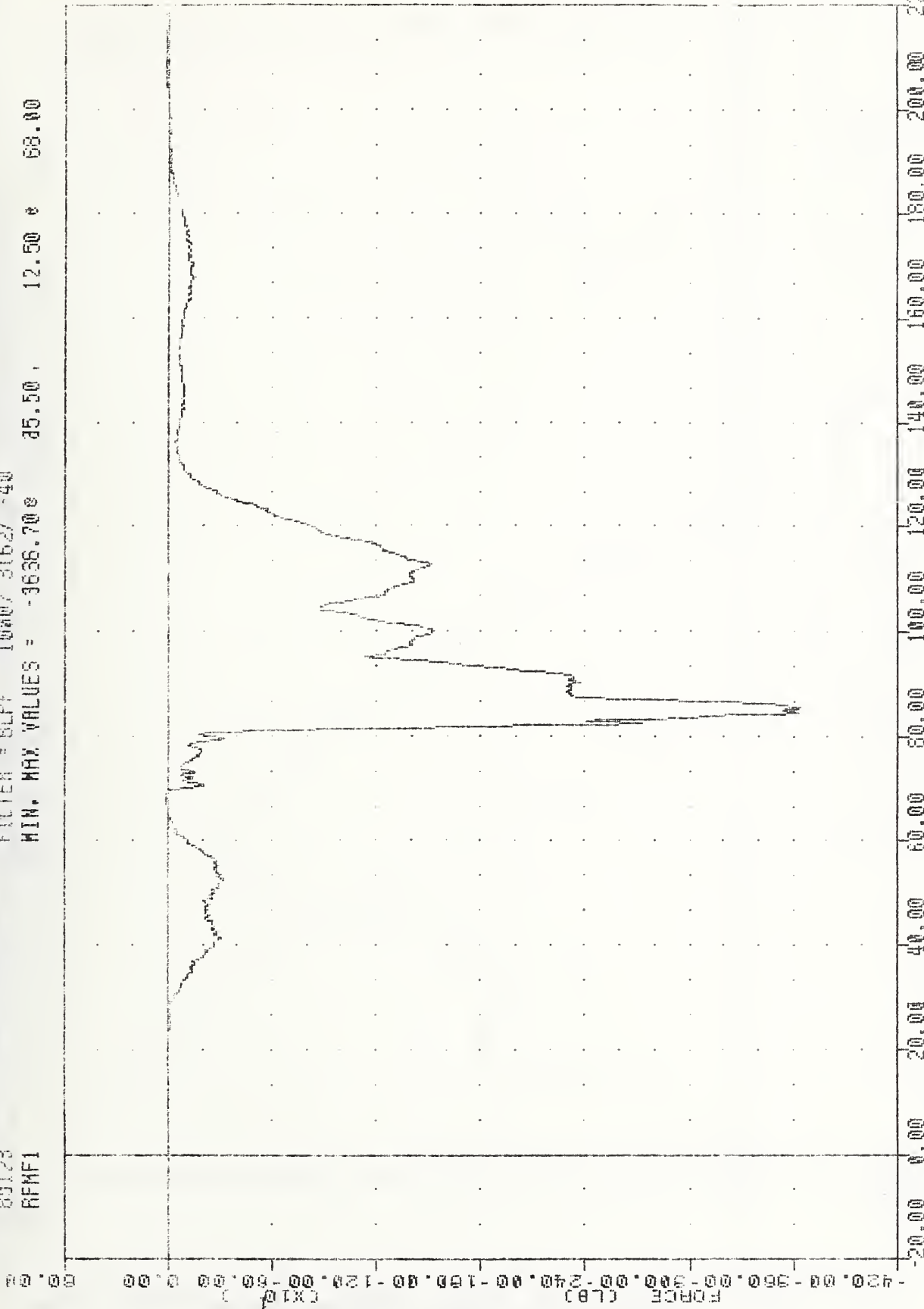
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

MAIL 7 40000-4 24
BREED RIGORS SLED PROGRAM
05123
RPMF1

PLOT DATE 9-MAY-80 10:07:00

FILTER = SLPF 1000/ 3162/ -40

MIN. MAX VALUES = -3636.70 35.50 12.50 68.00



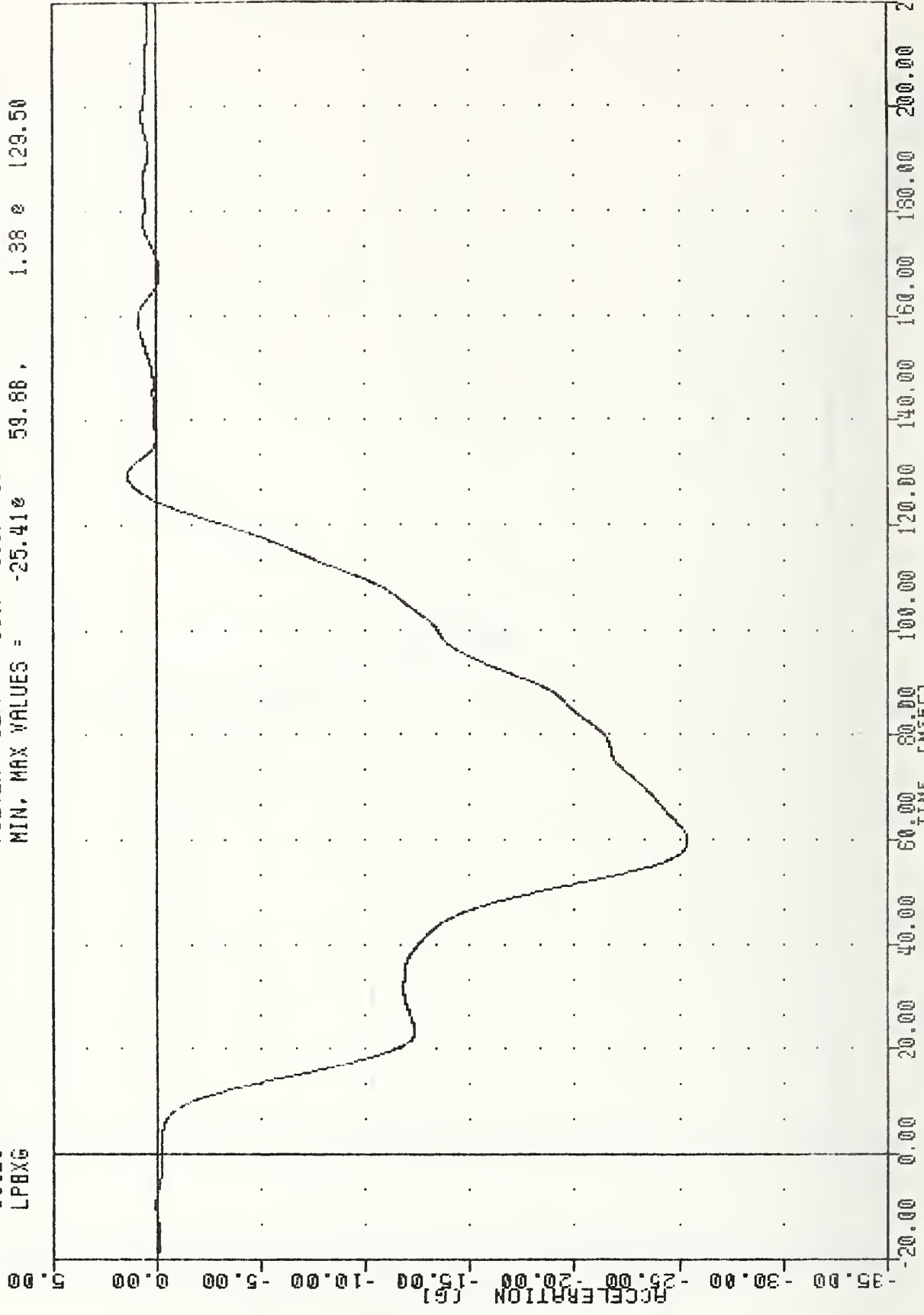
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-24
BREED AIRBAG SLED PROGRAM
85123
LPBXG

PLOT DATE 3-MAY-85 15:25:03

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.41e 59.86 , 1.38 e 129.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

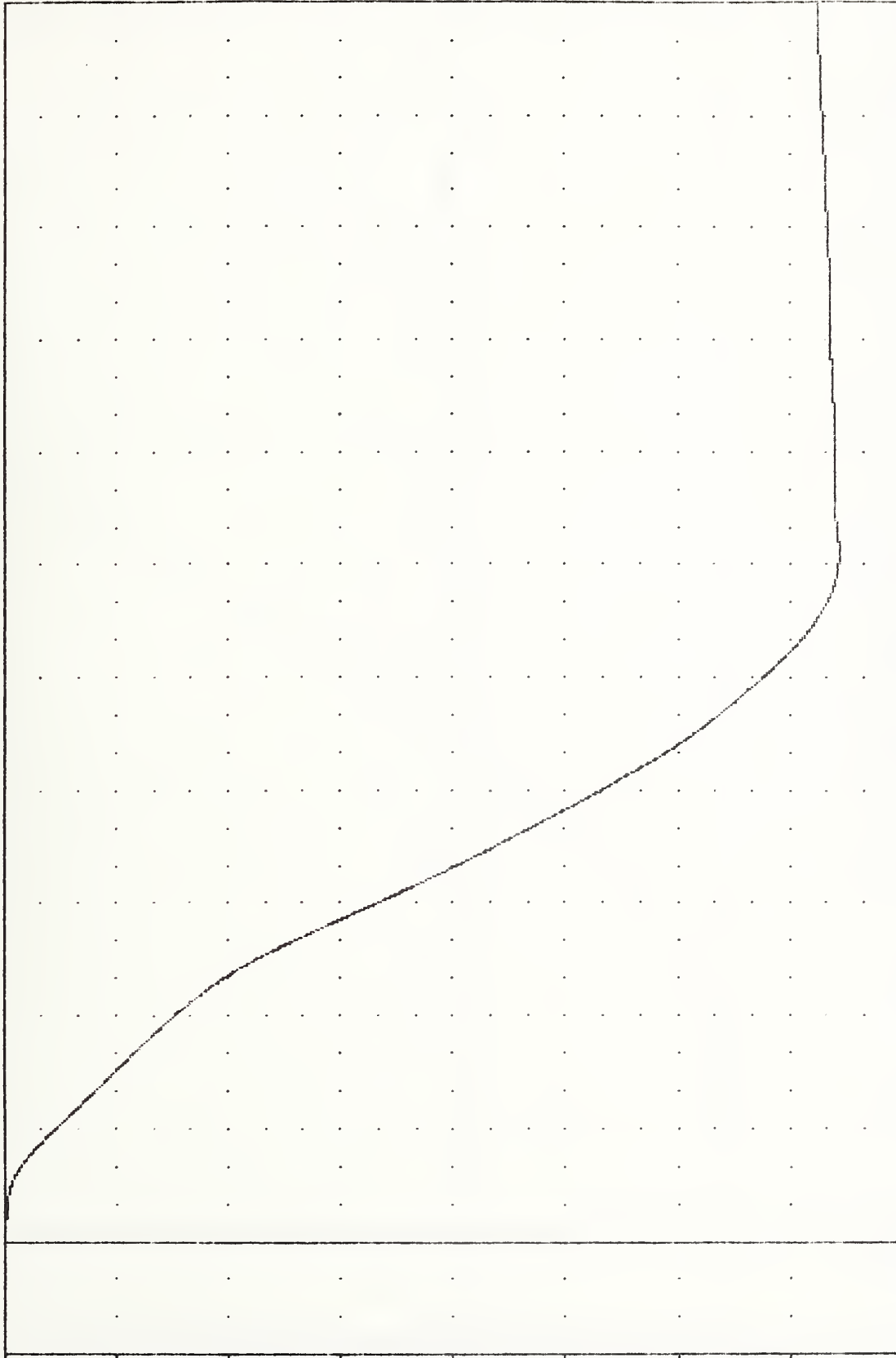
VRTC , RD384-4-24
BREED AIRBAG SLED PROGRAM
85123
LP6XY

PLOT DATE 3-MAY-85 15:09:17

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.22e 121.88 , -0.01 e -20.00

VELOCITY (MPH)



-40.00
-35.00
-30.00
-25.00
-20.00
-15.00
-10.00
-5.00
0.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

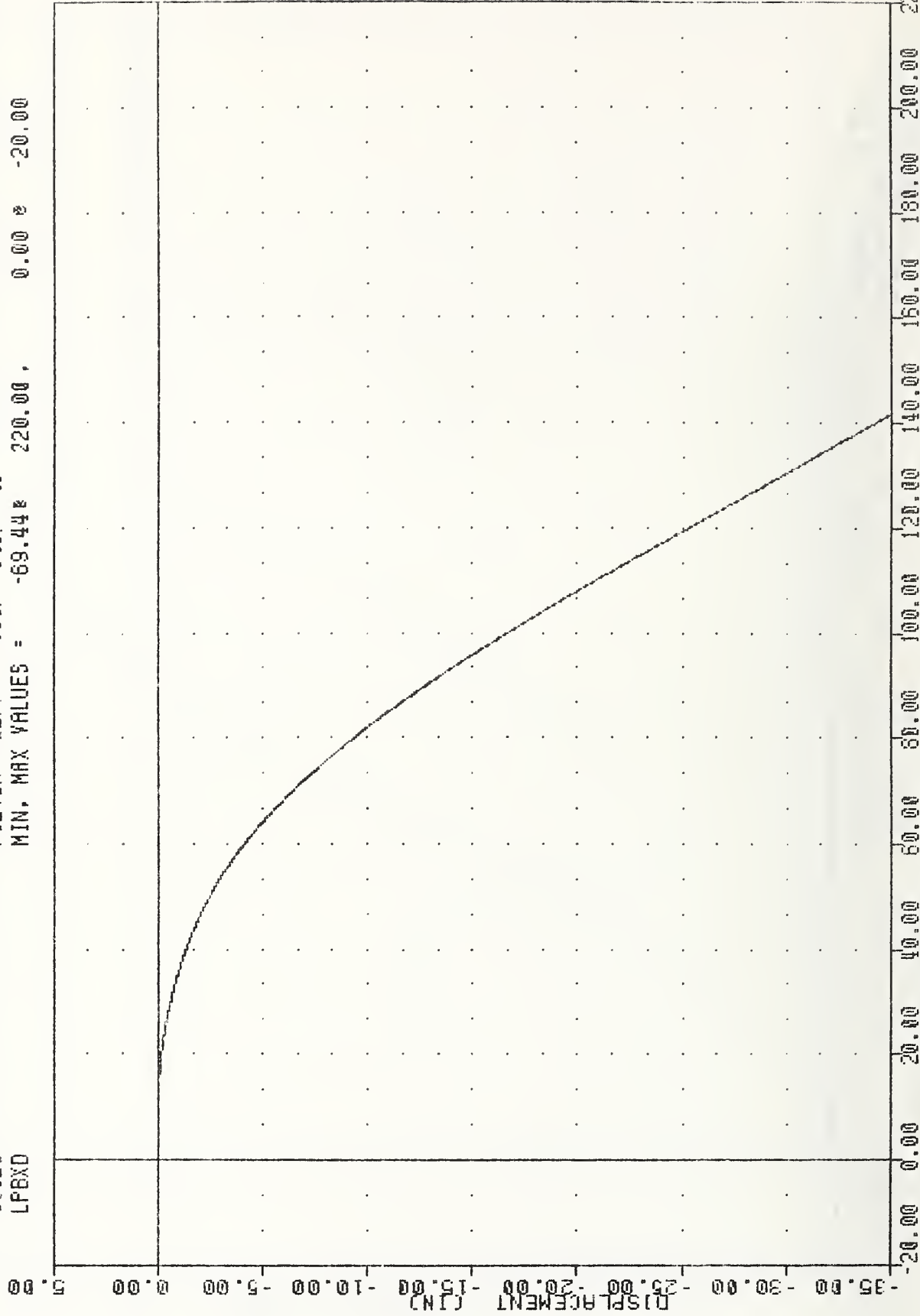
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRTC , RD384-4-24
BREED AIRBAG SLED PROGRAM
85123
LPBXD

PLOT DATE 3-MAY-85 15:09:17

FILTER = RLFF 300/ 949/ -40

MIN. MAX VALUES = -69.44* 220.00 , 0.00 * -20.00



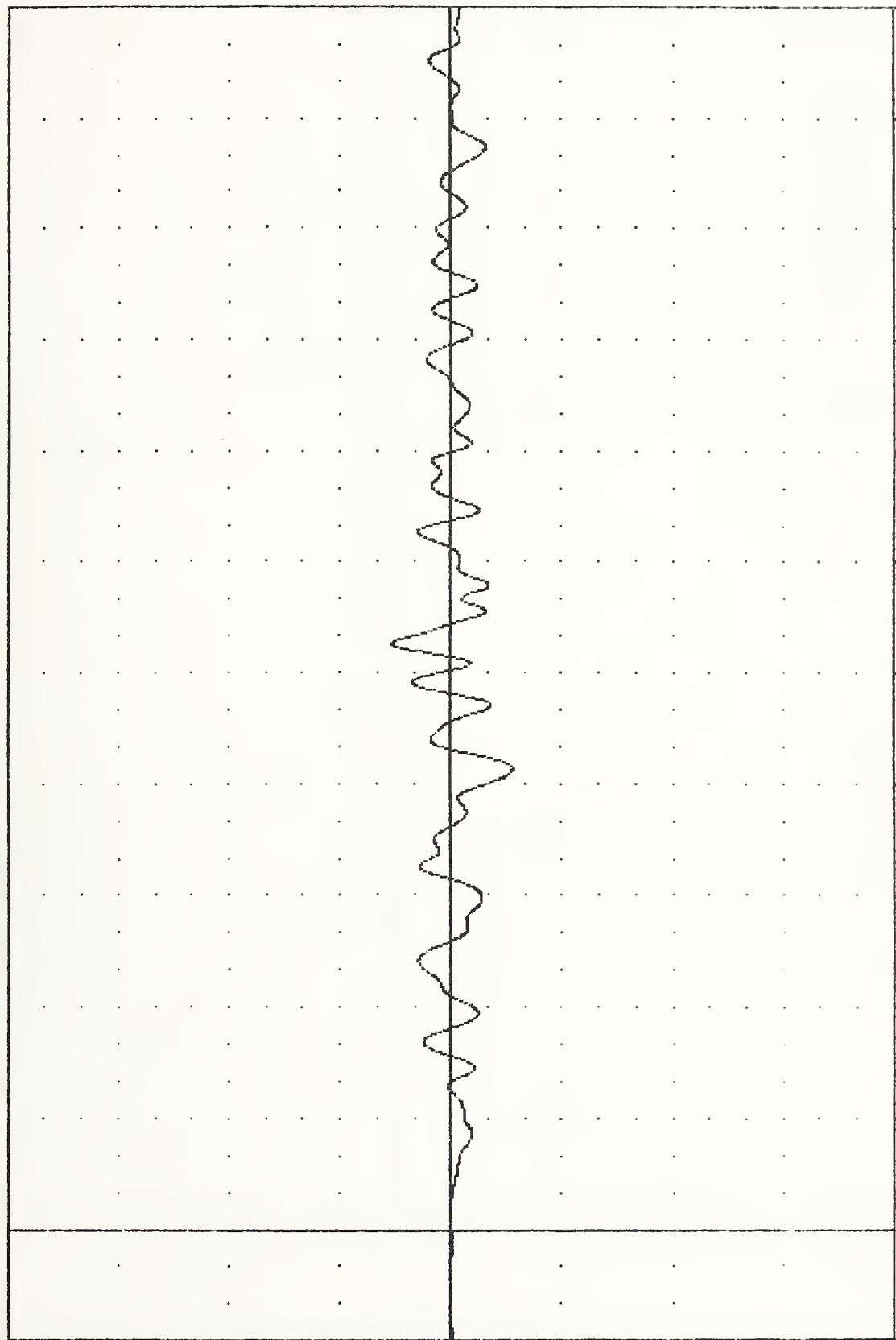
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

WATO , R0384-4-24
BREED AIRBAG SLED PROGRAM
85123
LPBY6

PLOT DATE 3-MAY-65 15:25:03
FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -2.81 82.63 , 2.65 105.13

634

ACCELERATION (G)



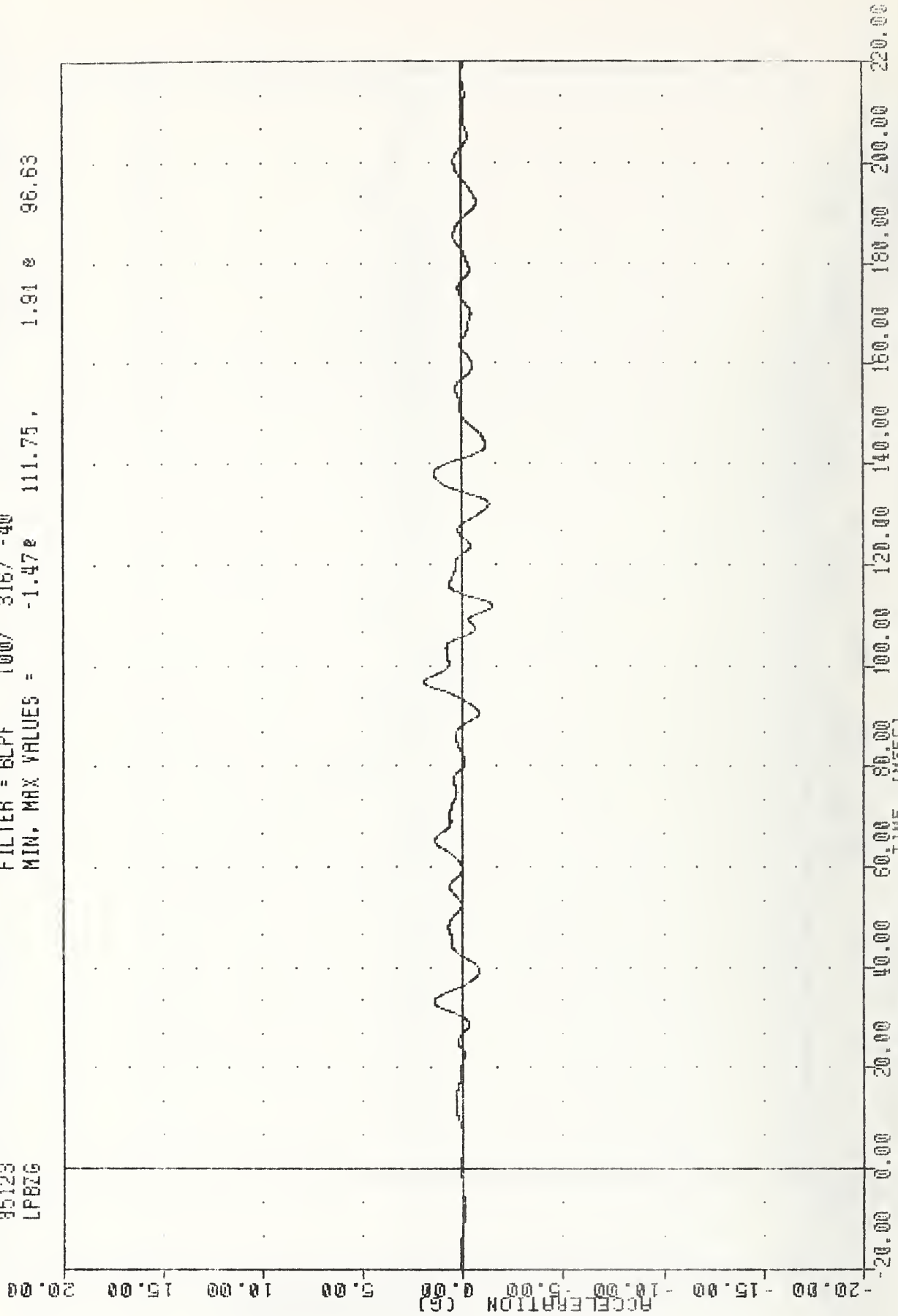
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

WRTC , RD384-4-24
BRAED AIRBAG SLED PROGRAM
95129
LPBZG

PLOT DATE 3-MAY-85 15:25:03

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -1.47e 111.75, 1.91 e 98.63



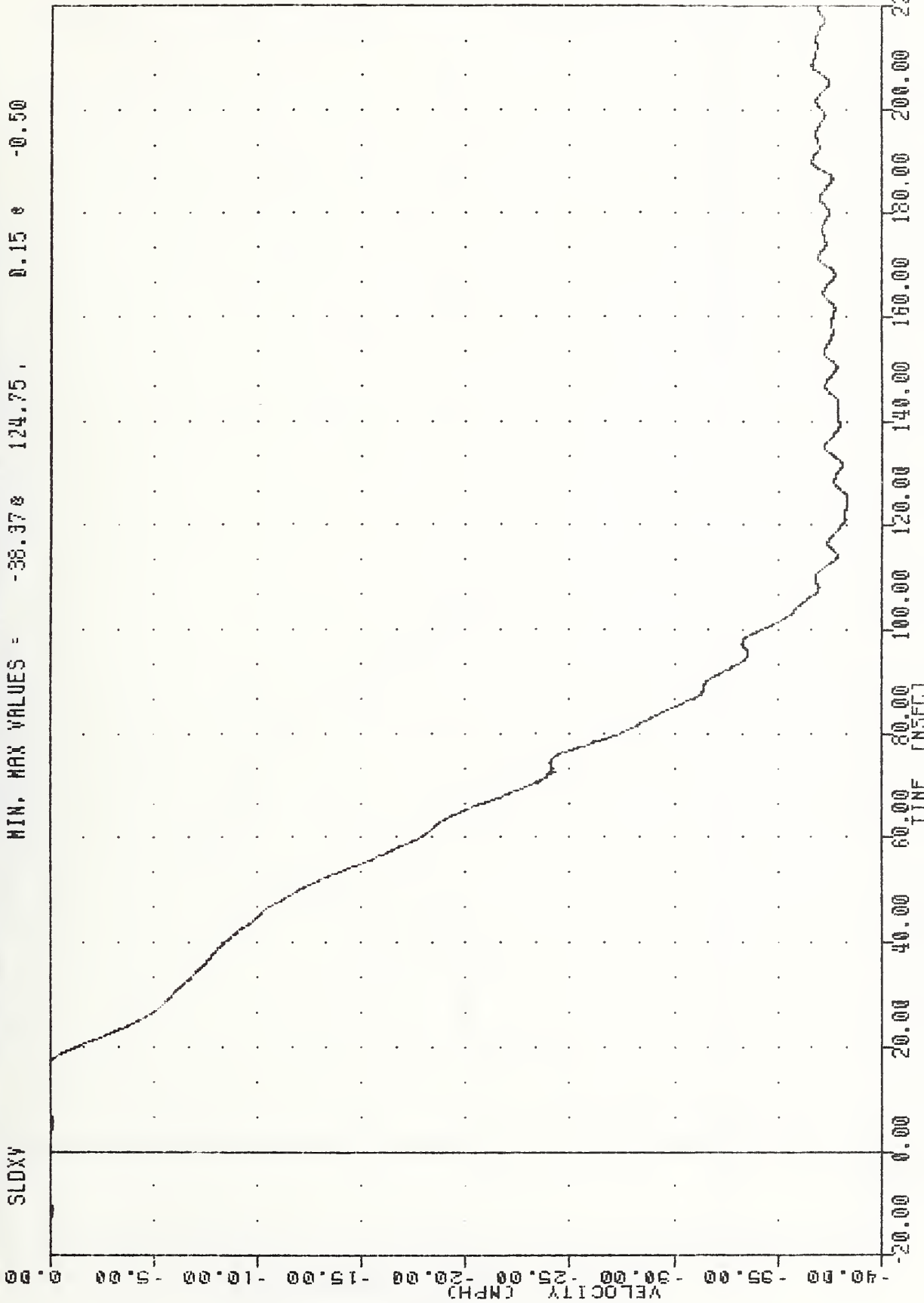
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-4-24
BREED AIRBAG SLED PROGRAM
85123
SLDXV

PLOT DATE 3-MAY-85 15:25:03

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -38.37 124.75 , 0.15 -0.50

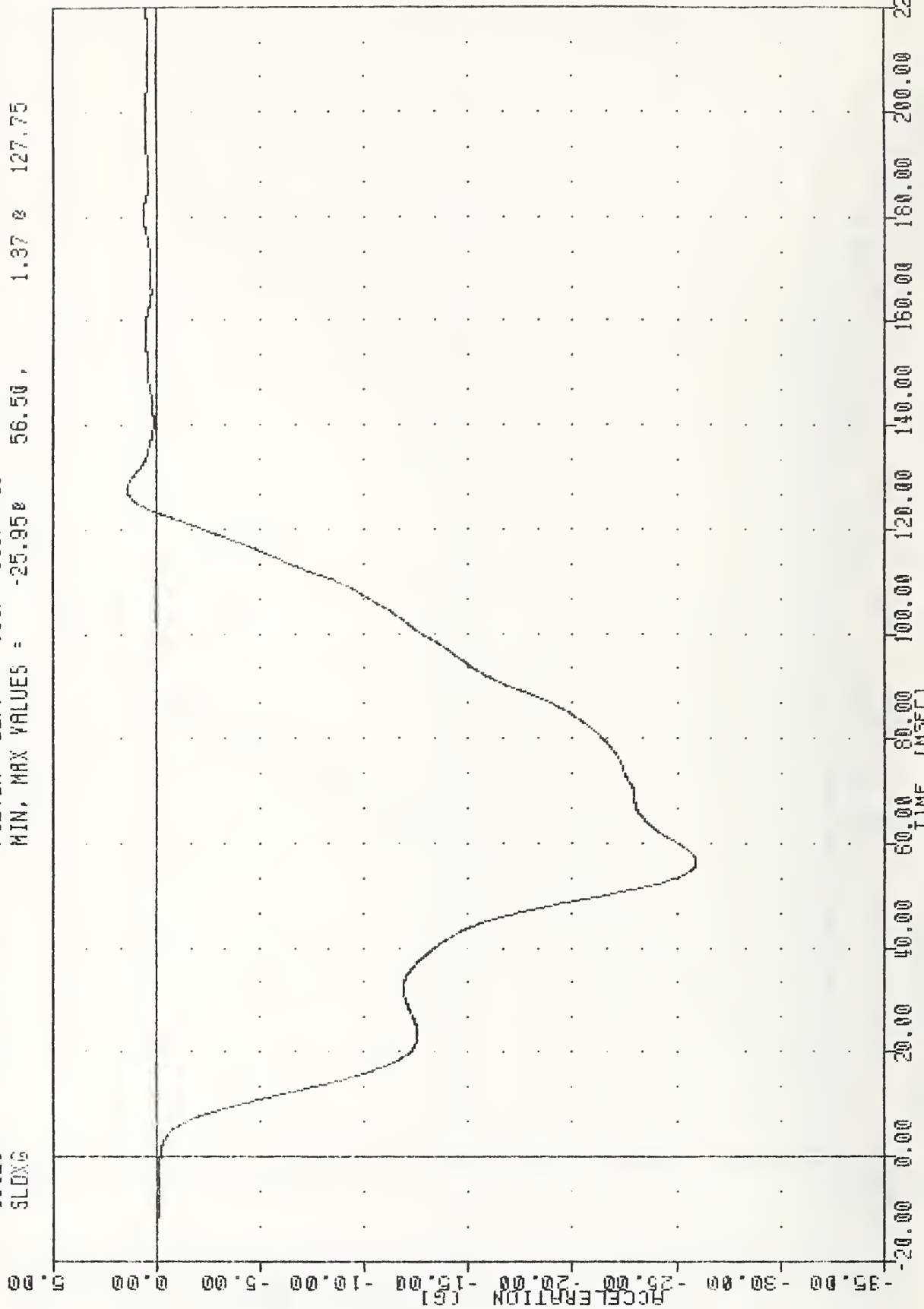


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , R0384-4-24
BREED AIRBAG SLED PROGRAM
85123
SLOXG

PLOT DATE 3-MAY-85 15:25:03

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -25.95g 56.50 , 1.37 g 127.75

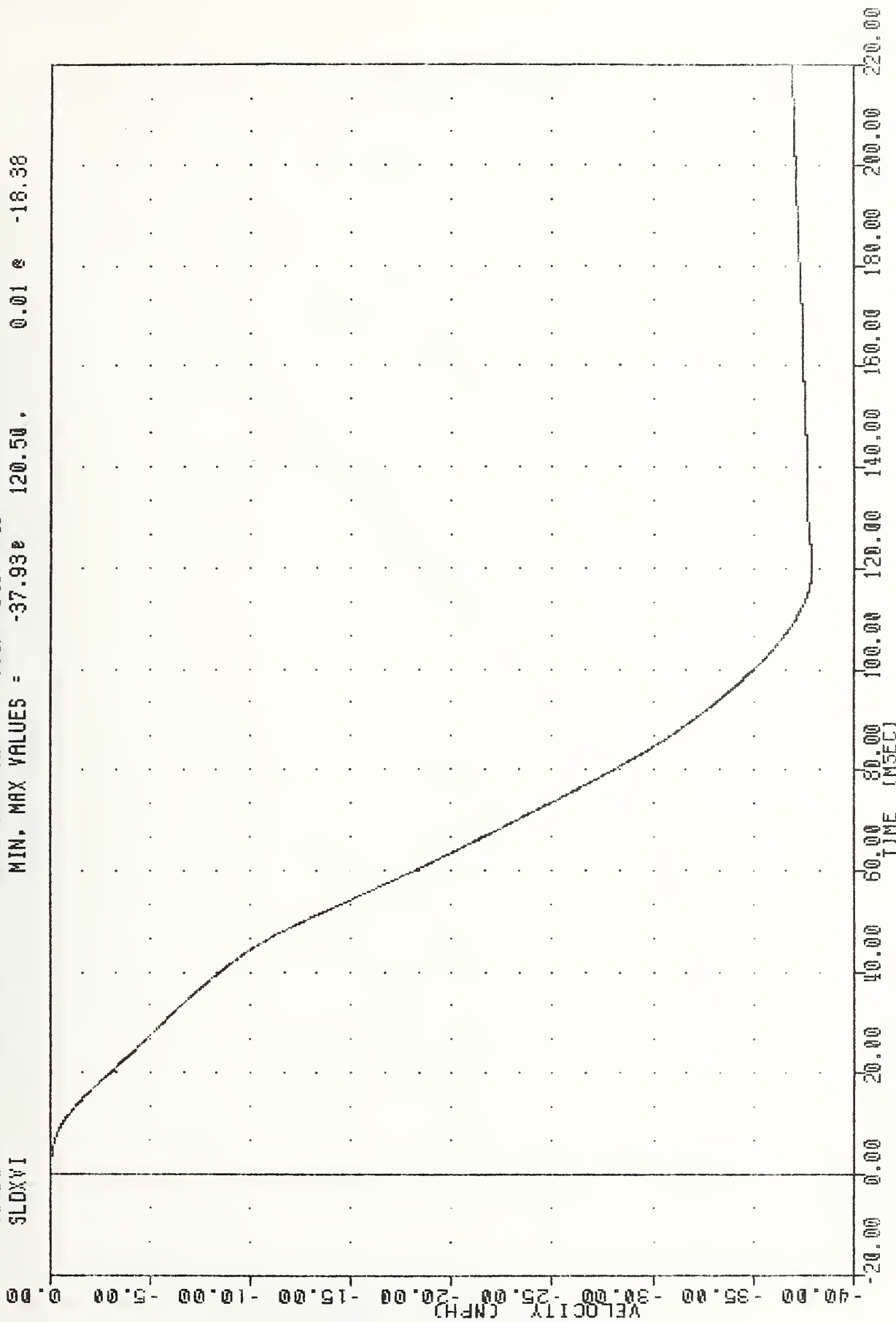


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , RDS84-4-24
BREED AIRBAG SLED PROGRAM
85123
SLOXVI

PLOT DATE 3-MAY-85 15:09:17

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -37.93e 120.50 . 0.01 e -18.38

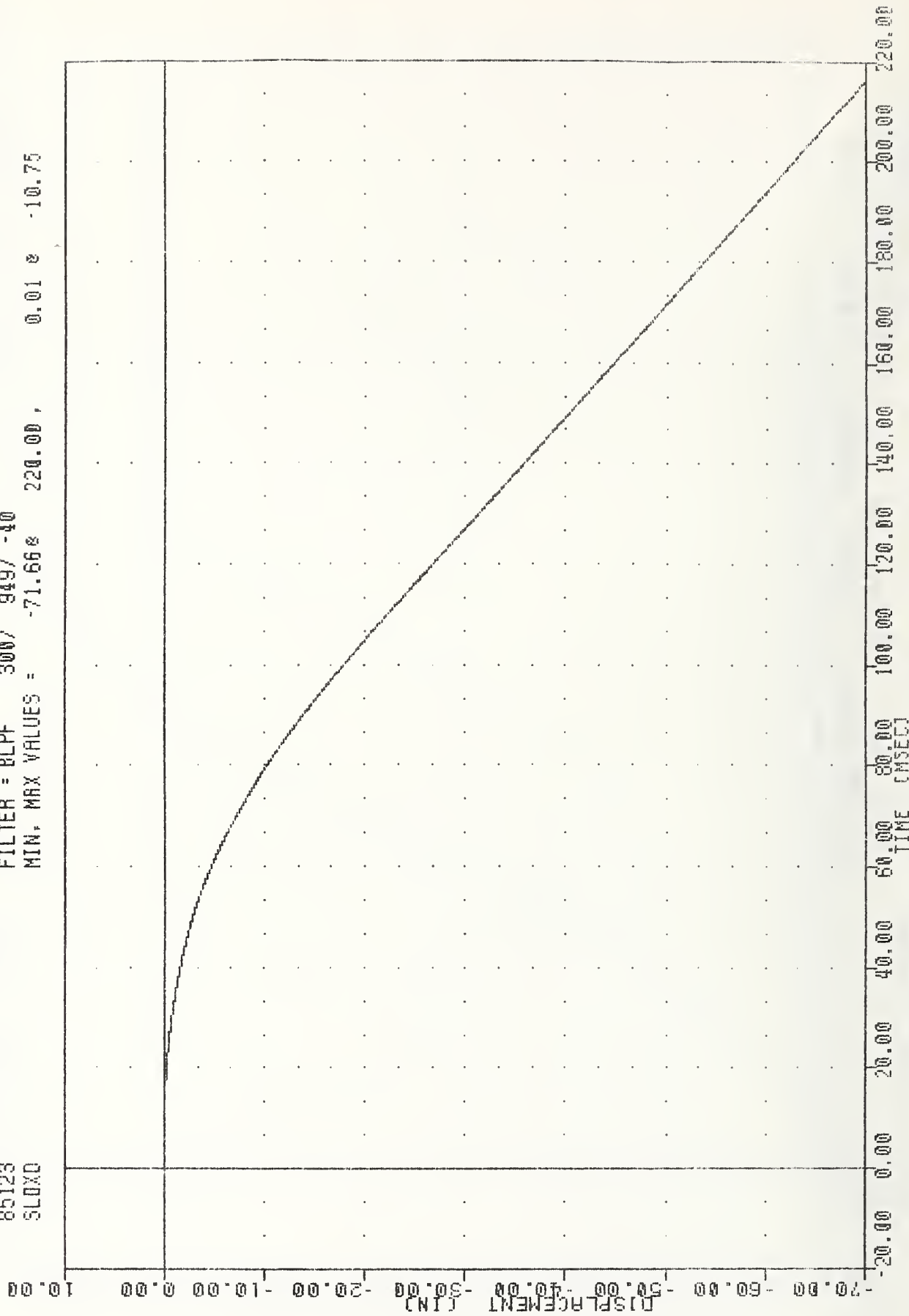


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRTC , RD384-4-24
BRAED AIRBAG SLED PROGRAM
85123
SLOXD

PLOT DATE 3-MAY-85 15:09:17

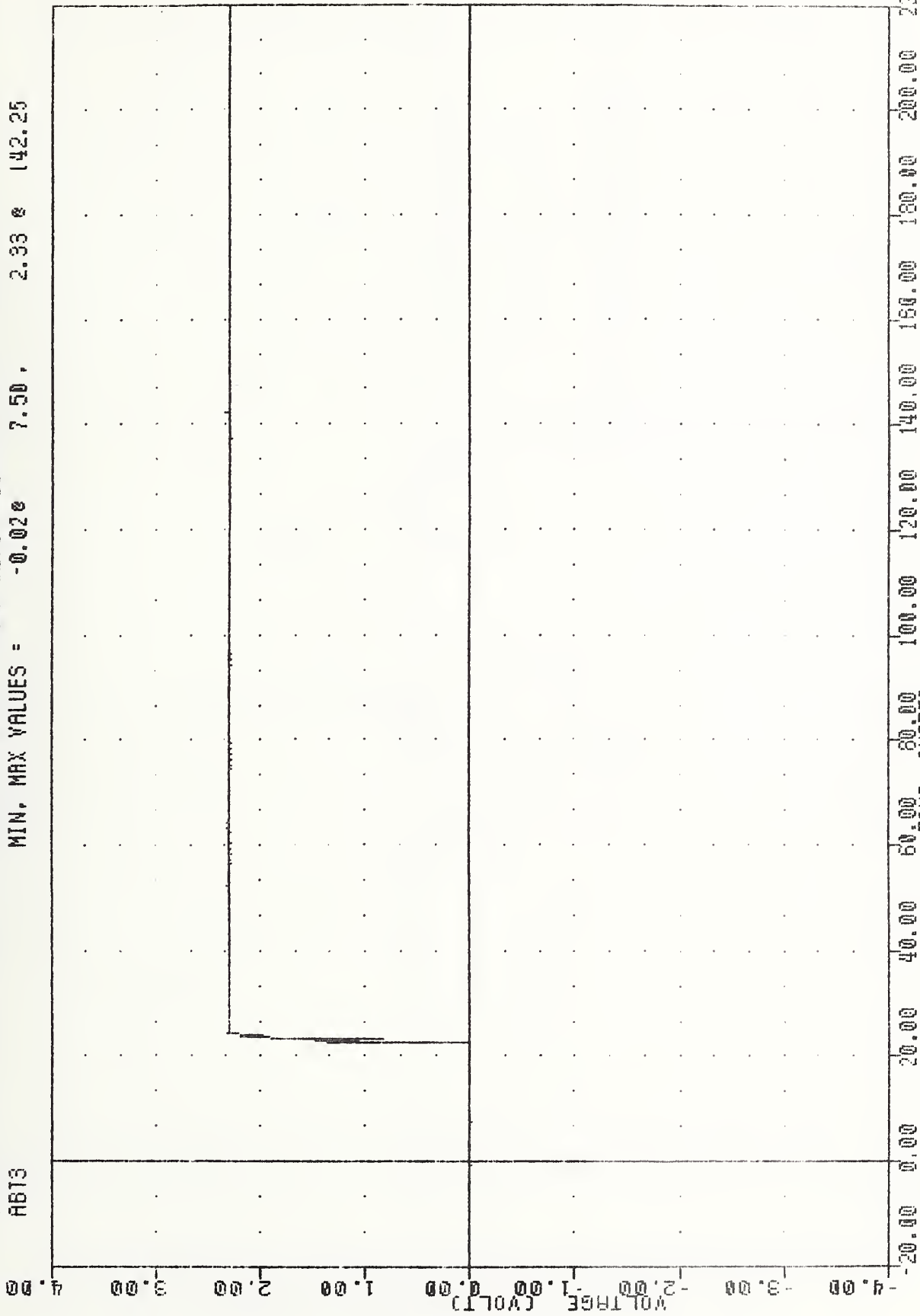
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -71.66 220.00, 0.01 10.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLOXVI

VRTC , RD384-4-24
 BREED AIRBAG SLED PROGRAM
 25123
 ABTS

PLOT DATE 3-MAY-85 15:25:03
 FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -0.020 7.50 , 2.33 142.25



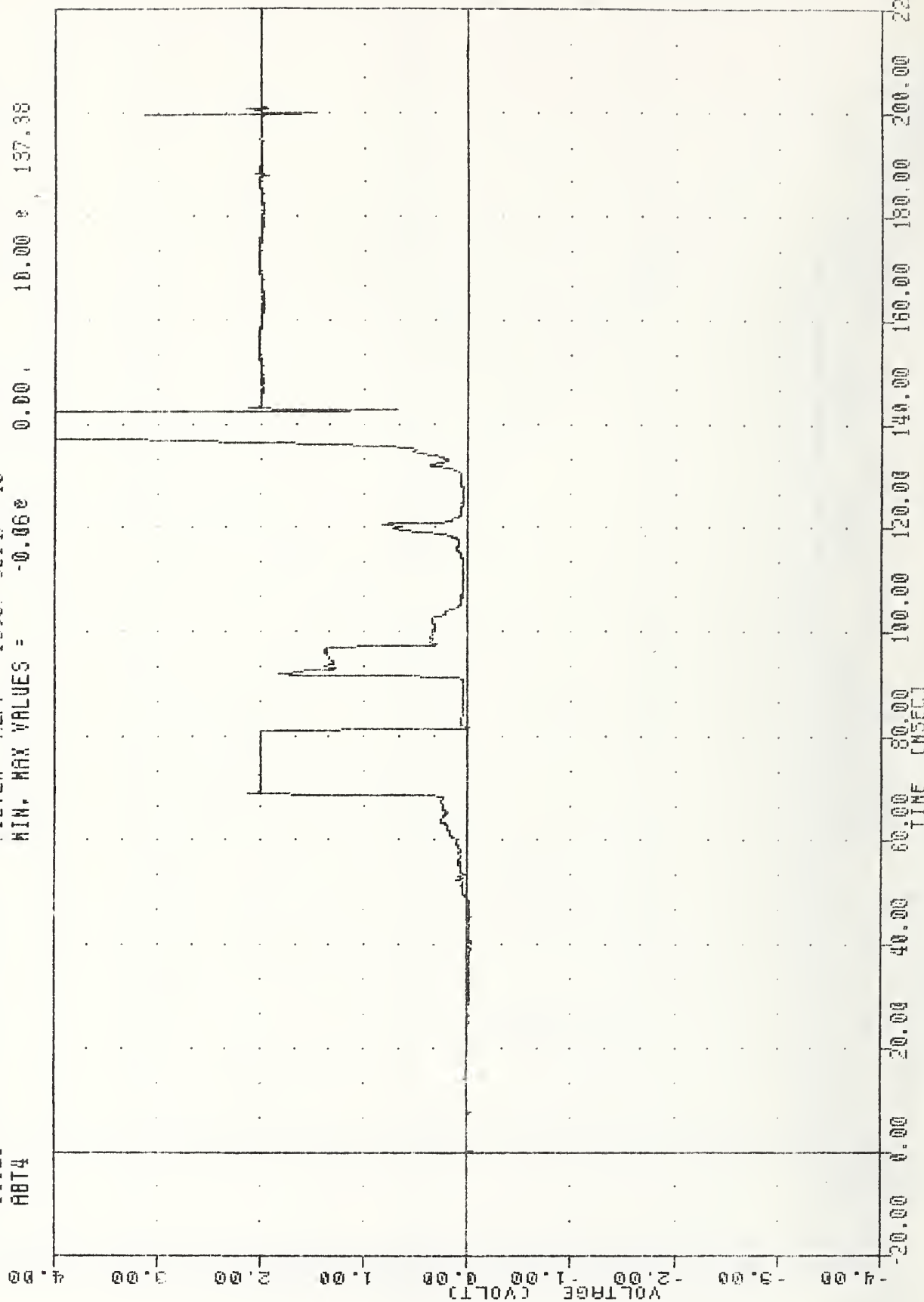
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VATC , RD884-4-24
BREED AIRBAG SLED PROGRAM
85128
HBT4

PLOT DATE 3-MAY-88 15:25:03

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.06e 0.00, 10.00 e, 137.38



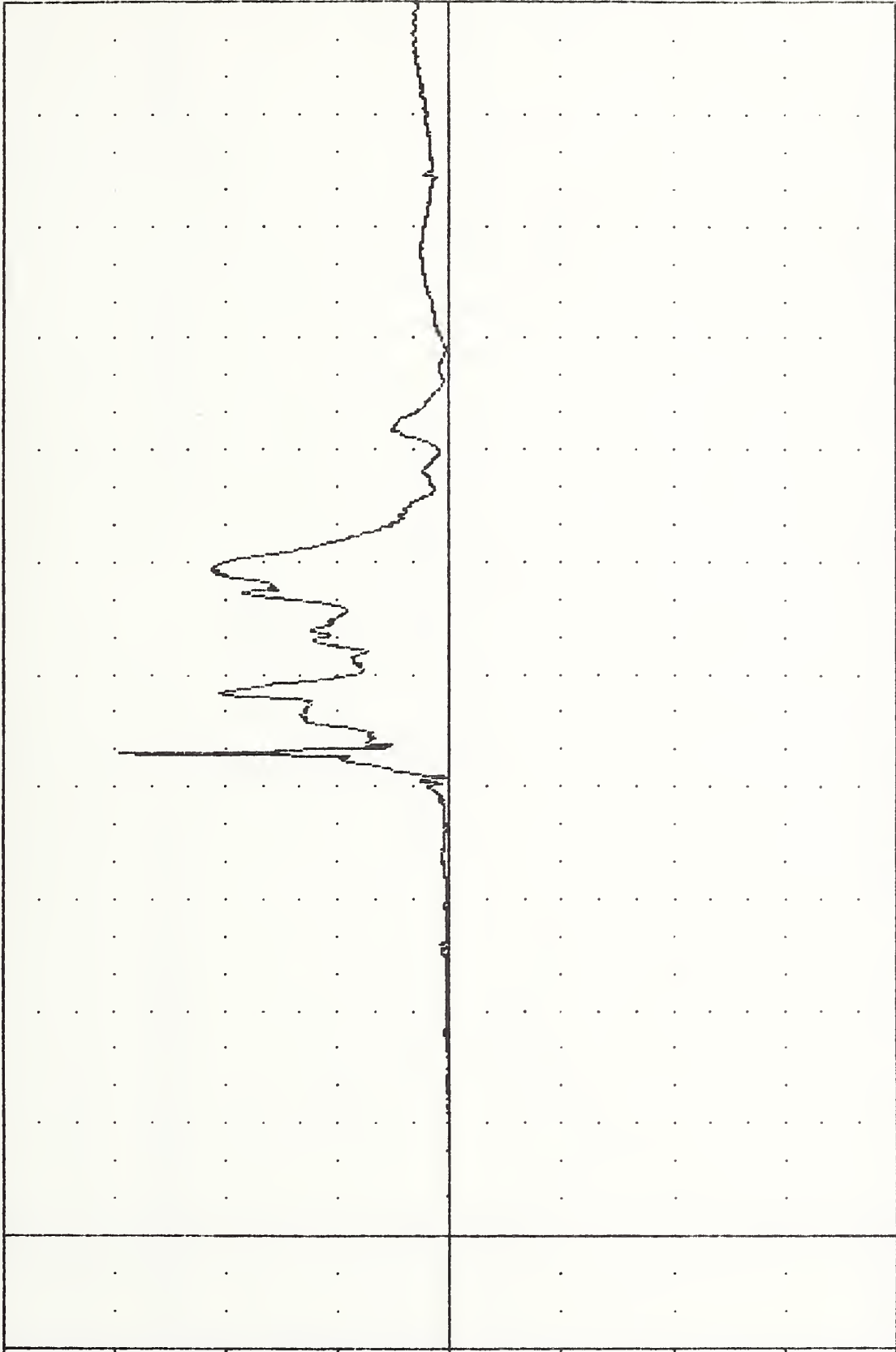
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

VRTC , RD384-4-24
BREED AIRBAG SLED PROGRAM
85123
HEDRG1

PLOT DATE 3-MAY-85 15:13:50

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.04e 2.00 , 147.65 e 86.00

ACCELERATION (G)



200.00 150.00 100.00 50.00 0.00 50.00 100.00 150.00 200.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

35123 7 000000 6 MAY 85 10:07:42

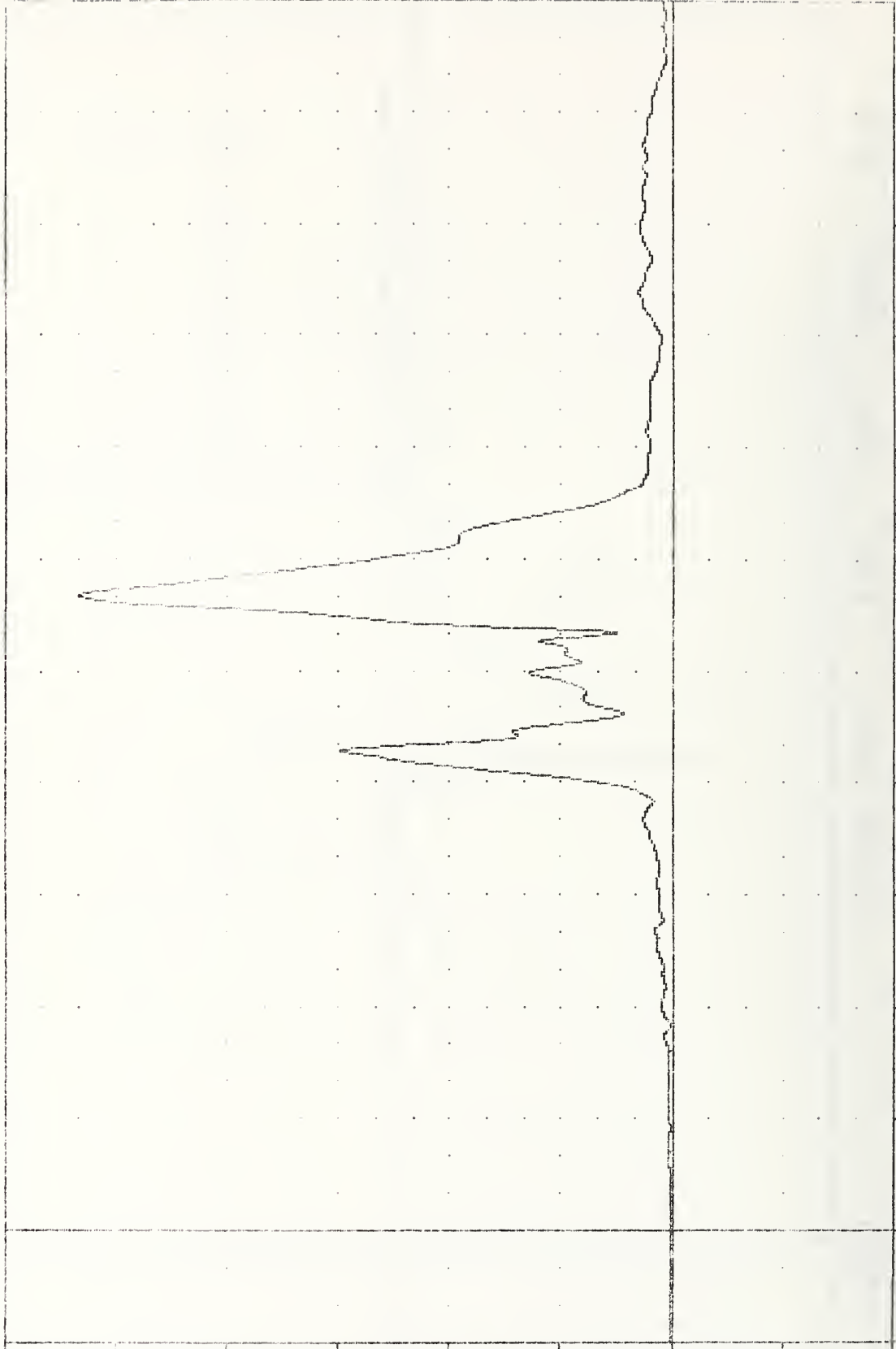
BREED AIRBAG SLED PROGRAM

FILTER = 8LFF 300V 949/ -40

MIN. MAX VALUES = 0.05e -7.50 183.29 e 113.50

OSTRG1

ACCELERATION (G) -50.00 -25.00 0.00 25.00 50.00 75.00 100.00 125.00 150.00



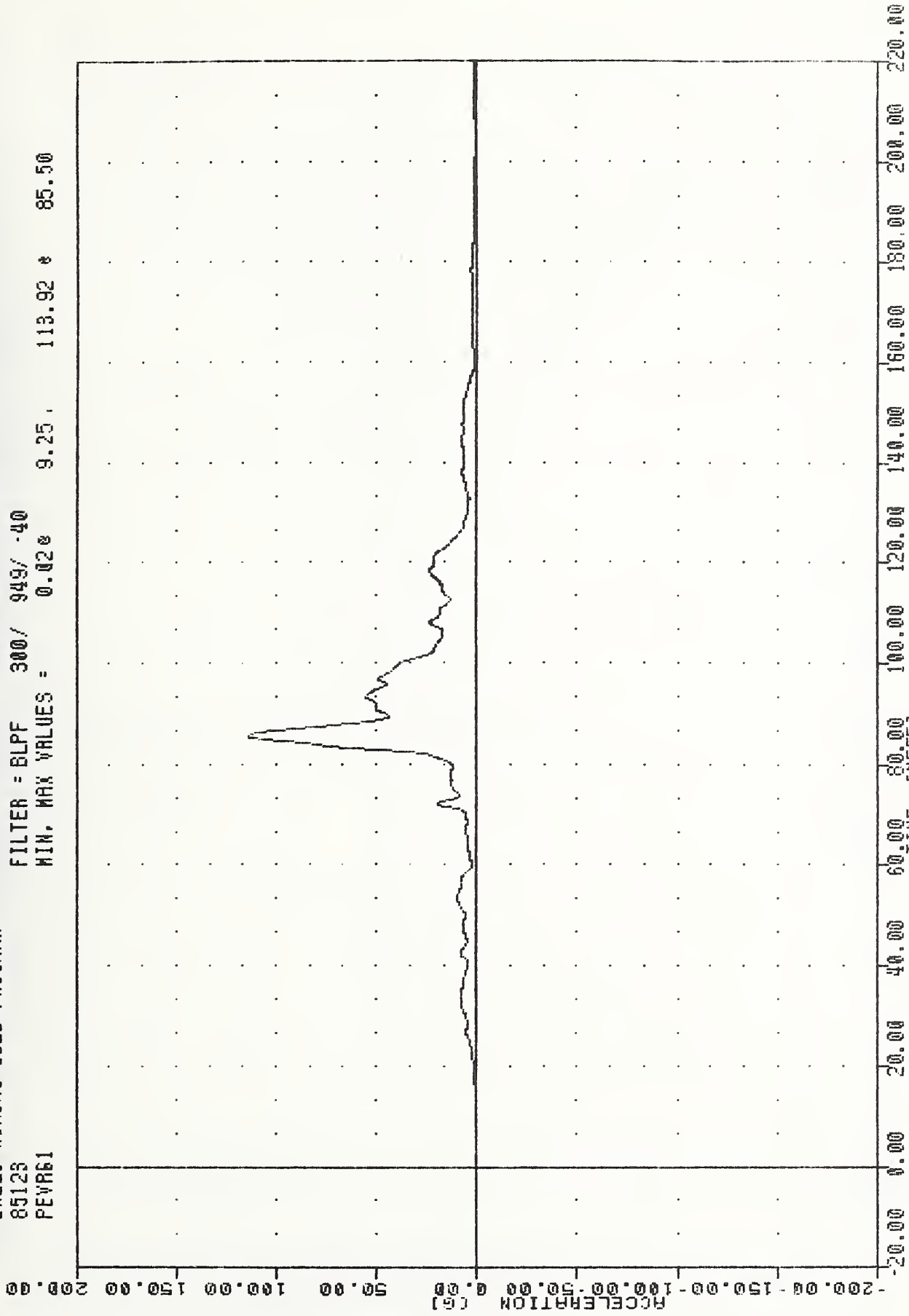
TIME (MSEC) 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

WATC , RD384-4-24
BREED AIRBAG SLED PROGRAM
85123
PEVR61

PLOT DATE 3-MAY-85 15:13:50

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = 0.02g 9.25, 113.92 g 85.50

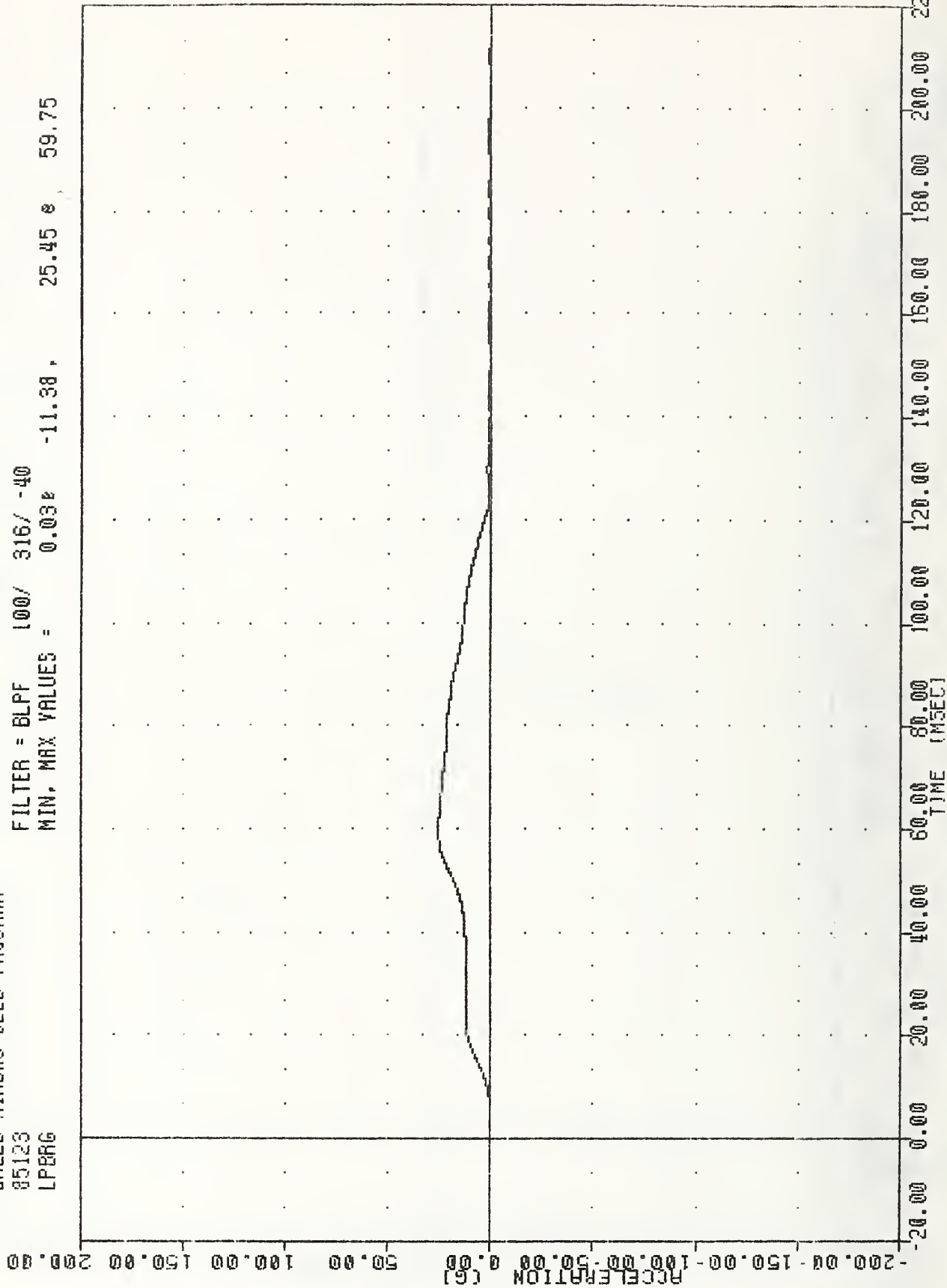


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VATE , R0384-4-24
BREED AIRBAG SLED PROGRAM
85123
LPERG

PLOT DATE 3-MAY-85 15:13:50

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.03% -11.38% 25.45 e 59.75



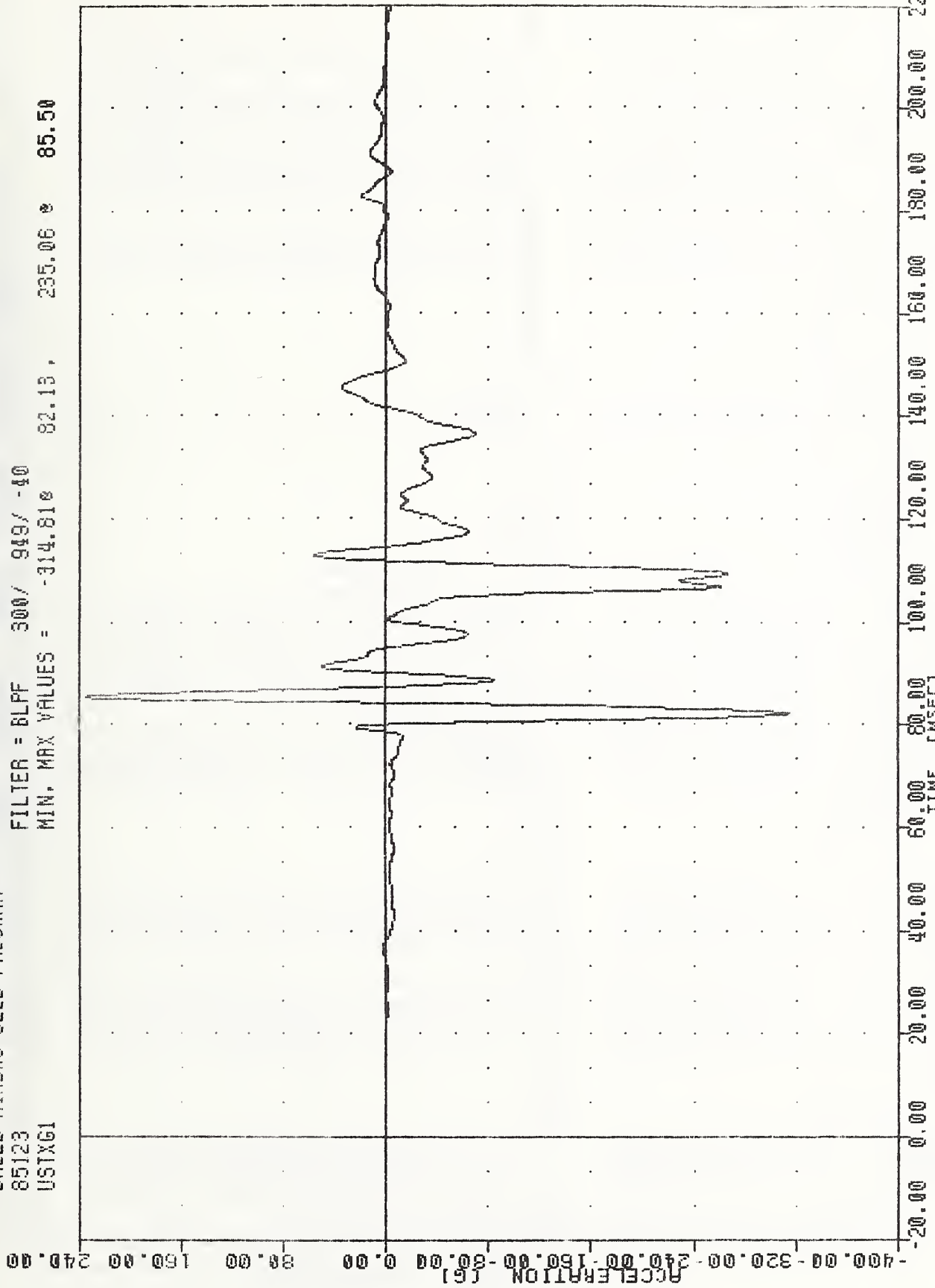
500

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRIC , RD384-4-24
BREED AIRBAG SLED PROGRAM
85123
USTX61

PLOT DATE 3-MAY-85 15:25:03

FILTER = 6LPF 300/ 949/ -40
MIN. MAX VALUES = -314.810 82.13 , 235.06 * 85.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

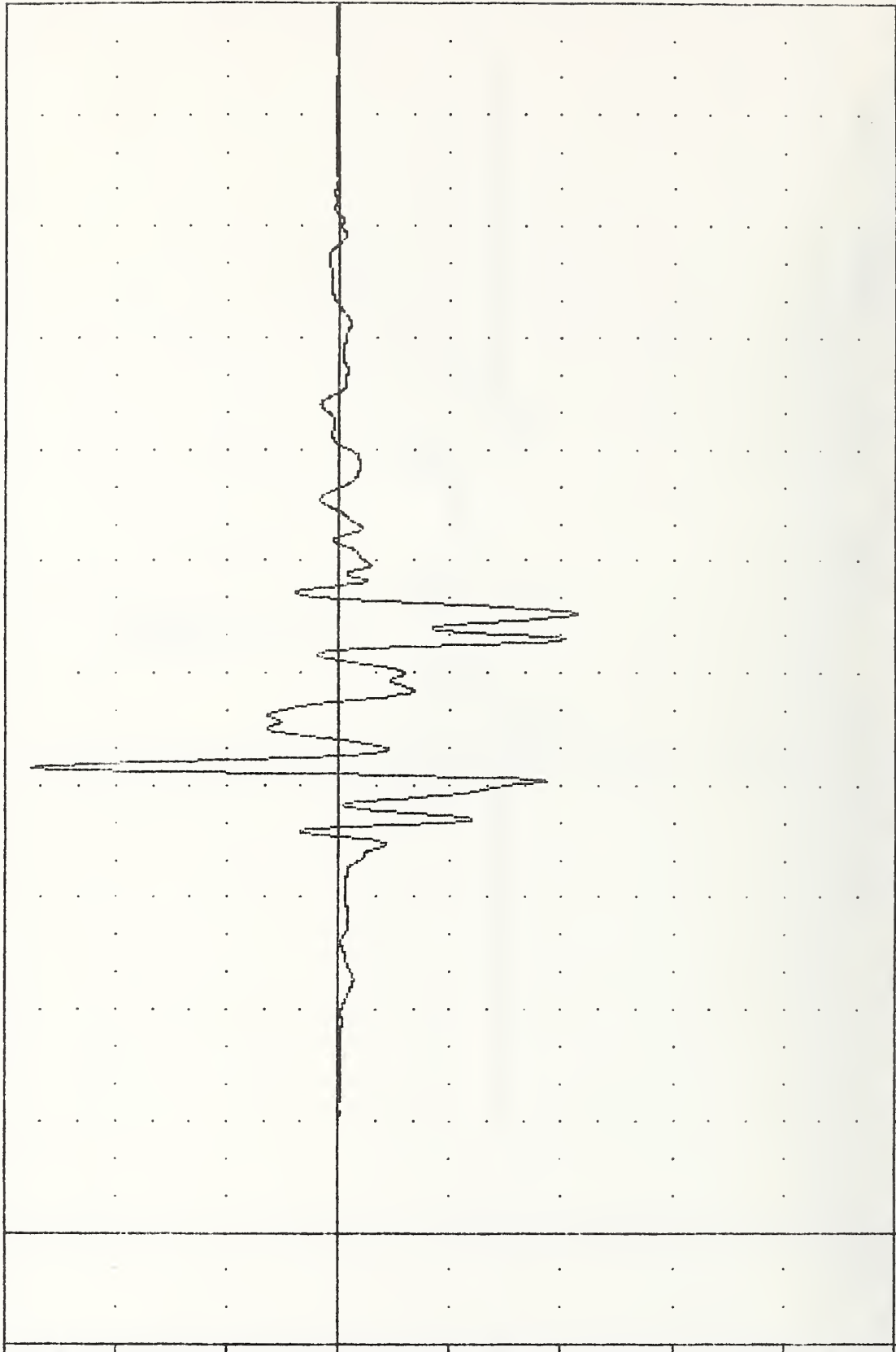
VRTC , RD334-4-24
BREED AIRBAG SLED PROGRAM
85123
LSTX61

PLOT DATE 3-MAY-85 15:25:03

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -171.87e 110.36 , 220.36 e 83.13

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

TRC432P. RAD, 1
VRTC
85126
RD3B4-4-25 BREED AIRBAG SLED PROGRAM
30.00 mph
6-MAY-85 15:21

EVENT	Min value	Max value	Data Units	Filter
1	0.049 @	1.589 @	volt	ALPF 1650/ 5214/ -40
2	-33.016 @	-20.000 @	msec	ALPF 100/ 316/ -40
3	-23.344 @	0.607 @	msec	ALPF 100/ 316/ -40
4	-49.554 @	1.909 @	msec	ALPF 1650/ 5214/ -40
5	-0.987 @	6.762 @	msec	ALPF 1650/ 5214/ -40
6	-8.672 @	22.047 @	msec	ALPF 1650/ 5214/ -40
7	-45.319 @	4.834 @	msec	ALPF 300/ 949/ -40
8	-1.255 @	2.884 @	msec	ALPF 300/ 949/ -40
9	-8.877 @	2.127 @	msec	ALPF 300/ 949/ -40
10	-90.291 @	68.548 @	msec	ALPF 300/ 949/ -40
11	-90.302 @	70.550 @	msec	ALPF 300/ 949/ -40
12	-43.133 @	1.161 @	msec	ALPF 300/ 949/ -40
13	-10.015 @	5.123 @	msec	ALPF 300/ 949/ -40
14	-13.495 @	1.965 @	msec	ALPF 300/ 949/ -40
15	-1425.222 @	62.289 @	msec	ALPF 300/ 949/ -40
16	-1575.763 @	26.240 @	msec	ALPF 1000/ 3162/ -40
17	-46.177 @	19.187 @	msec	ALPF 1000/ 3162/ -40
18	-9.047 @	14.386 @	msec	ALPF 100/ 316/ -40
19	-21.192 @	50.630 @	msec	ALPF 100/ 316/ -40
20	-23.142 @	0.794 @	msec	ALPF 100/ 316/ -40
21	-1.456 @	2.936 @	msec	ALPF 100/ 316/ -40
22	-1.446 @	1.709 @	msec	ALPF 100/ 316/ -40
23	-9.063 @	39.445 @	msec	ALPF 1650/ 5214/ -40
24	-2.496 @	0.003 @	msec	ALPF 1650/ 5214/ -40
25	-3.343 @	0.002 @	msec	ALPF 1650/ 5214/ -40
26	-0.006 @	2.342 @	msec	ALPF 1650/ 5214/ -40
27	-3.487 @	9.992 @	msec	ALPF 1650/ 5214/ -40

503

TRC432IP. RAD, 1
VRTC
85126
RD3B4-4-25 BREED AIRBAG SLED PROGRAM
30.00 mph
6-MAY-85 15:21

EVENT	Min value	Max value	Data Units	Filter
1	-38.681 @	0.233 @	msec	BLPF 300/ 949/ -40
2	-55.397 @	-0.090 @	msec	BLPF 300/ 949/ -40
3	-37.856 @	-0.705 @	msec	BLPF 300/ 949/ -40
4	-59.396 @	-0.374 @	msec	BLPF 300/ 949/ -40
5	-33.962 @	-0.655 @	msec	BLPF 300/ 949/ -40
6	-57.856 @	-0.345 @	msec	BLPF 300/ 949/ -40
7	-32.416 @	0.000 @	msec	BLPF 300/ 949/ -40
8	-62.333 @	0.000 @	msec	BLPF 300/ 949/ -40
9	-25.024 @	-0.063 @	msec	BLPF 300/ 949/ -40
10	-44.244 @	-0.031 @	msec	BLPF 300/ 949/ -40
11	-31.716 @	0.010 @	msec	BLPF 300/ 949/ -40
12	-60.050 @	0.001 @	msec	BLPF 300/ 949/ -40

TRC432RP. RAD, 1
VRTC
85126
RD3B4-4-25 BREED AIRBAG SLED PROGRAM
30.00 mph
6-MAY-85 15:21

EVENT	Min value	Max value	Data Units	Filter
1	0.023 @	53.006 @	msec	ALPF 1650/ 5214/ -40
2	0.019 @	45.557 @	msec	ALPF 300/ 949/ -40
3	0.056 @	44.020 @	msec	ALPF 300/ 949/ -40
4	0.095 @	55.554 @	msec	ALPF 100/ 316/ -40
5	0.102 @	23.145 @	msec	ALPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC432RP.RAD:1
VRTC RD384-4-25 BREED AIRBAG SLED PROGRAM
85126 30.00 mph

* * * HIC computation for HEDRG1 6-MAY-85 15:23
Using time range = 0.000 to 104.750 msec Peak accel = 53.01 @ 83.625
HIC = 315.89 Interval from 63.500 [669] to 94.125 [914]
HIC = 249.00 Interval from 73.875 [752] to 88.875 [872]

R SYSF:THREEMS
*** Three ms clip program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. Period

Enter input filespec -> TRC432RF

File TRC432RF -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-25 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 FEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC432RF.RAD:1 VRTC RD384-4-25
BREED AIRBAG SLED PROGRAM 30.0 mph 85126 6-MAY-85 15:44:34
Deltax: 0.125

3 MS CLIP PEAK: 43.38042

Please run LSTRAD on this channel for the full time
and give it to the Project manager to double-check Peak

Enter channel name -> EXIT

Enter input filespec -> EXIT

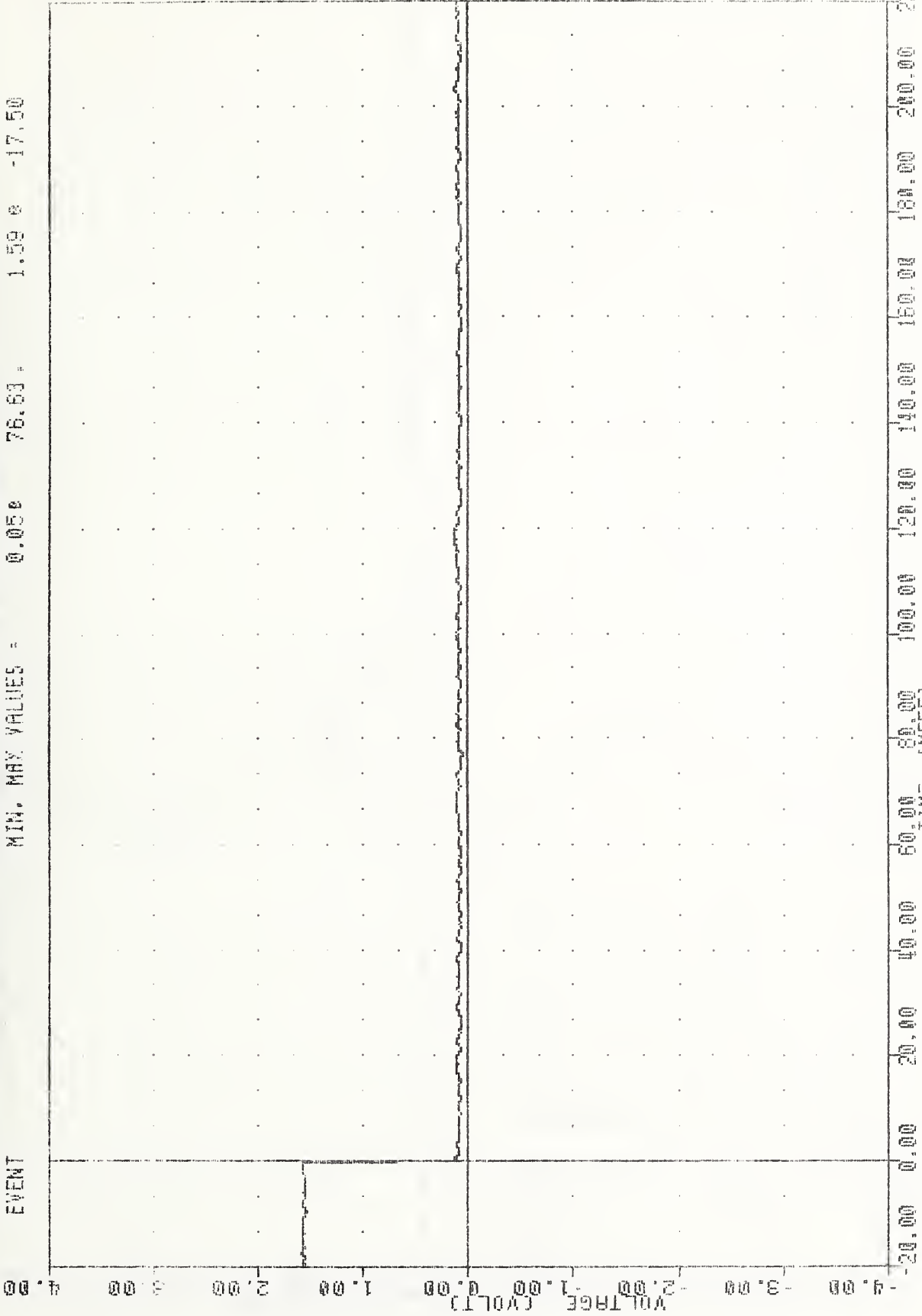
†

VR10
AHEAD AIRBAG SLED PROGRAM
85126
EVENT

PLOT DATE 7-MAY-85 09:32:37

FILTER = RLPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.05e 76.63 1.59 e -17.50



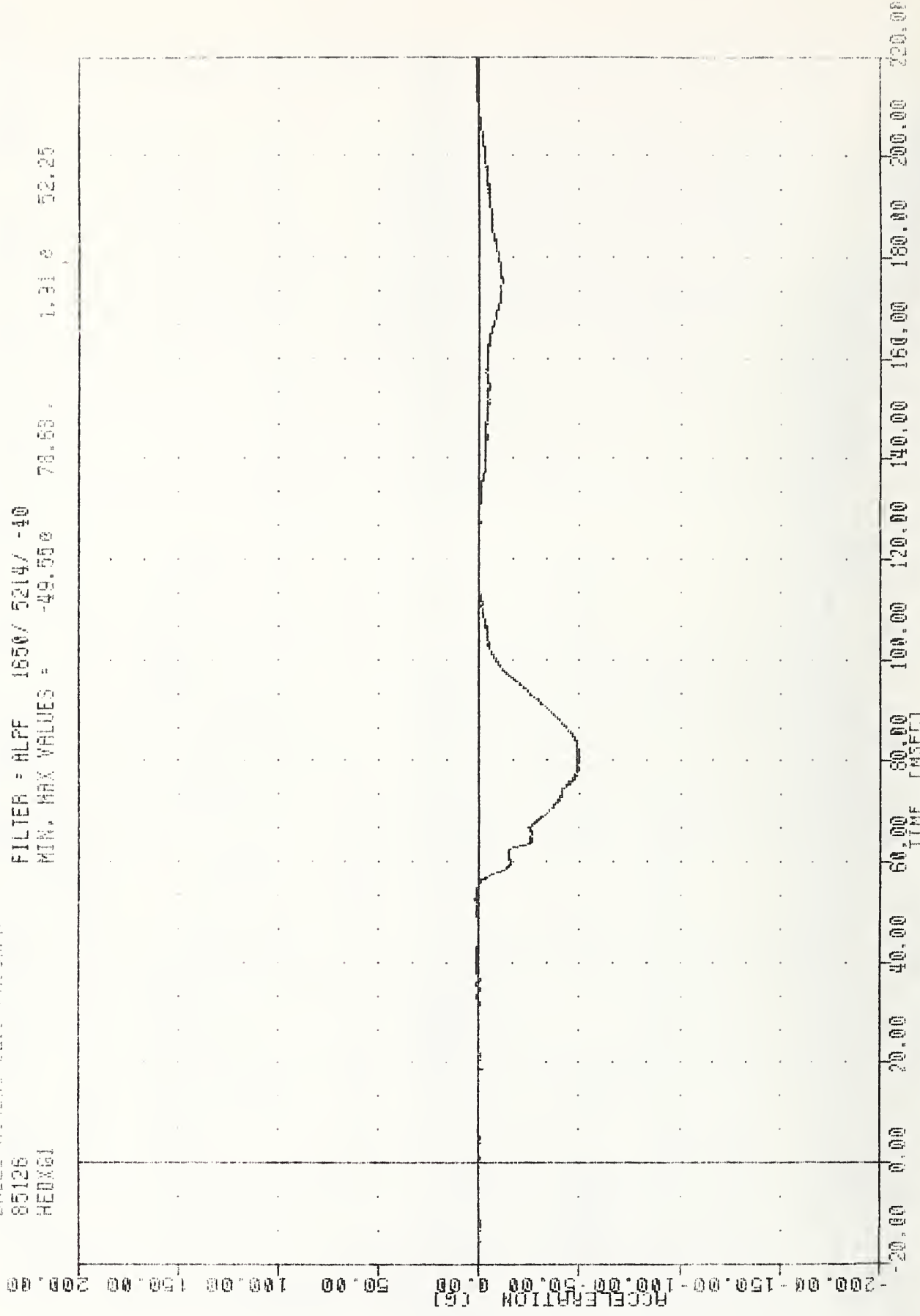
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
EVENT

VRTC , R0384-4-25
BRAED AIRBAGS SLEED PROGRAM
85126
HEDXG1

PLOT DATE 7-MAY-85 09:32:37

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -49.55e 78.68e 1.31e 52.25

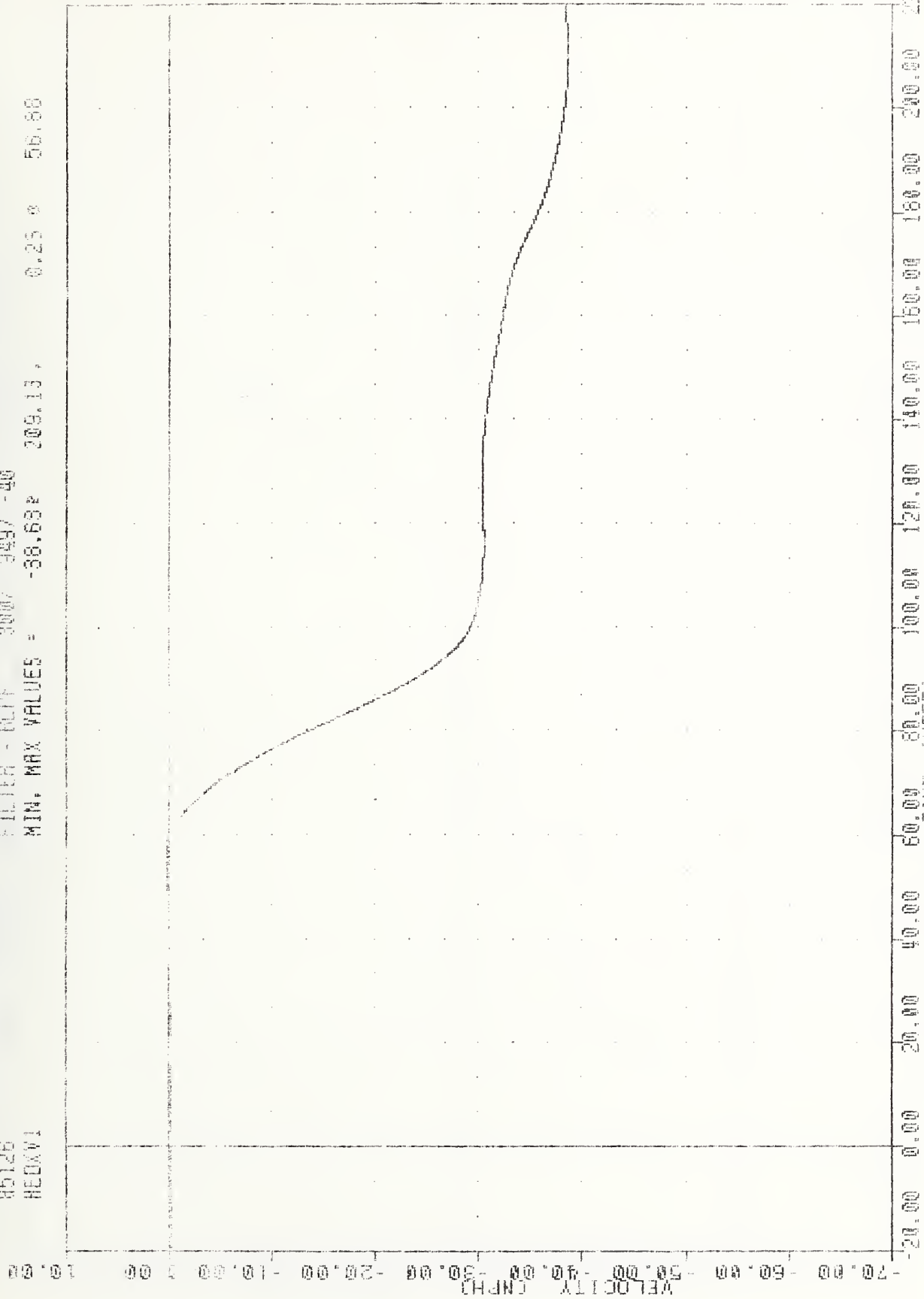


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION (G)

DATE : 80-04-1-20
SPEED AIRBAG SLED PROGRAM
85126
HEXVI

TIME : 7:40 AM 09:34:40

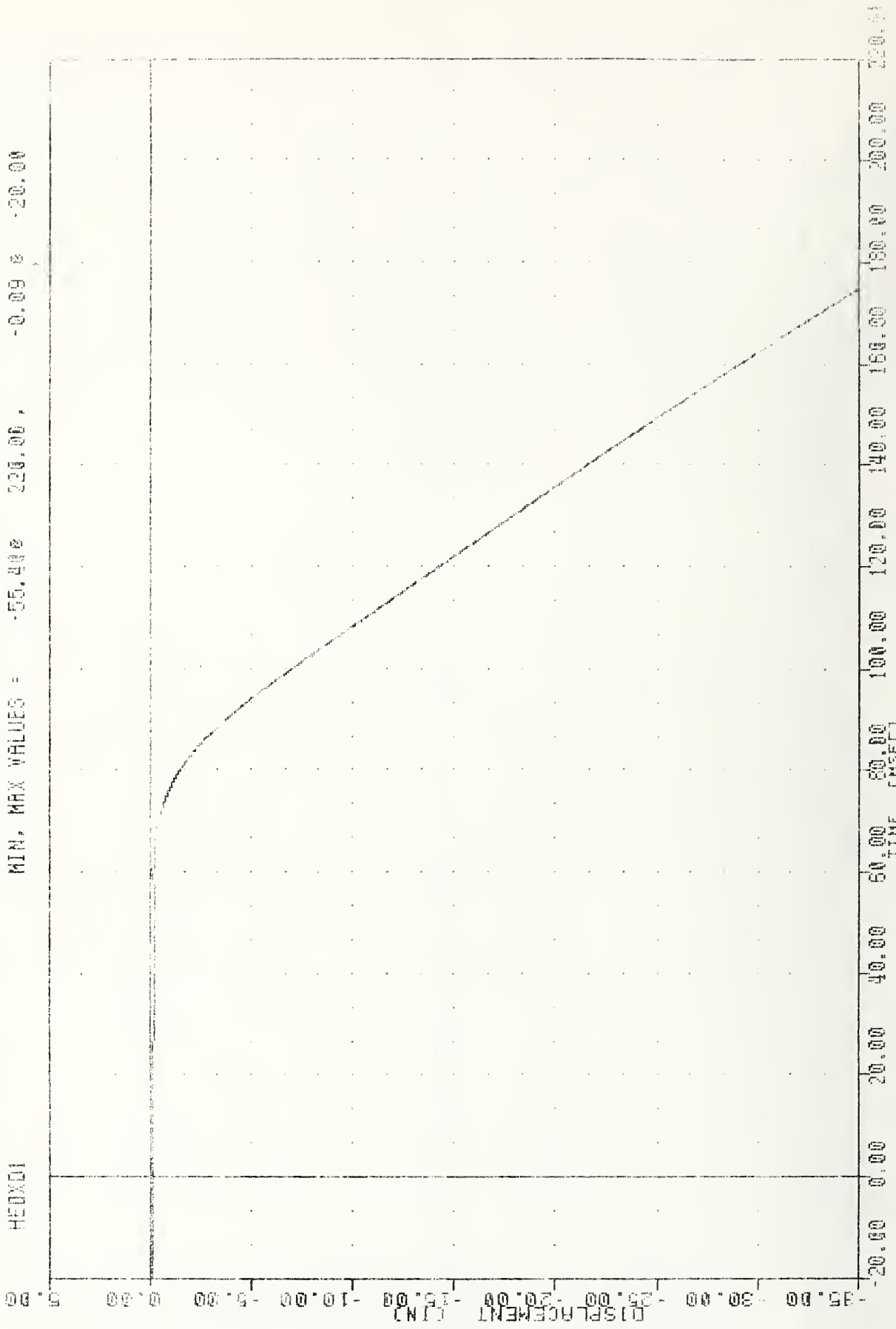
FILTER - RUFF 3007 3497 -40
MIN. MAX VALUES = -38.63 209.13 0.25 56.86



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLEDS USING HEXVI

05 02/28/84 10:35
BRUED SIMBRO SLED PROGRAM
07126
HEDX01

PRINT DATE: 02/28/84 10:35
FILTER: 6LFF 3007 9197 -40
MIN. MAX VALUES = -55.40e 220.00e -0.09 e -20.00

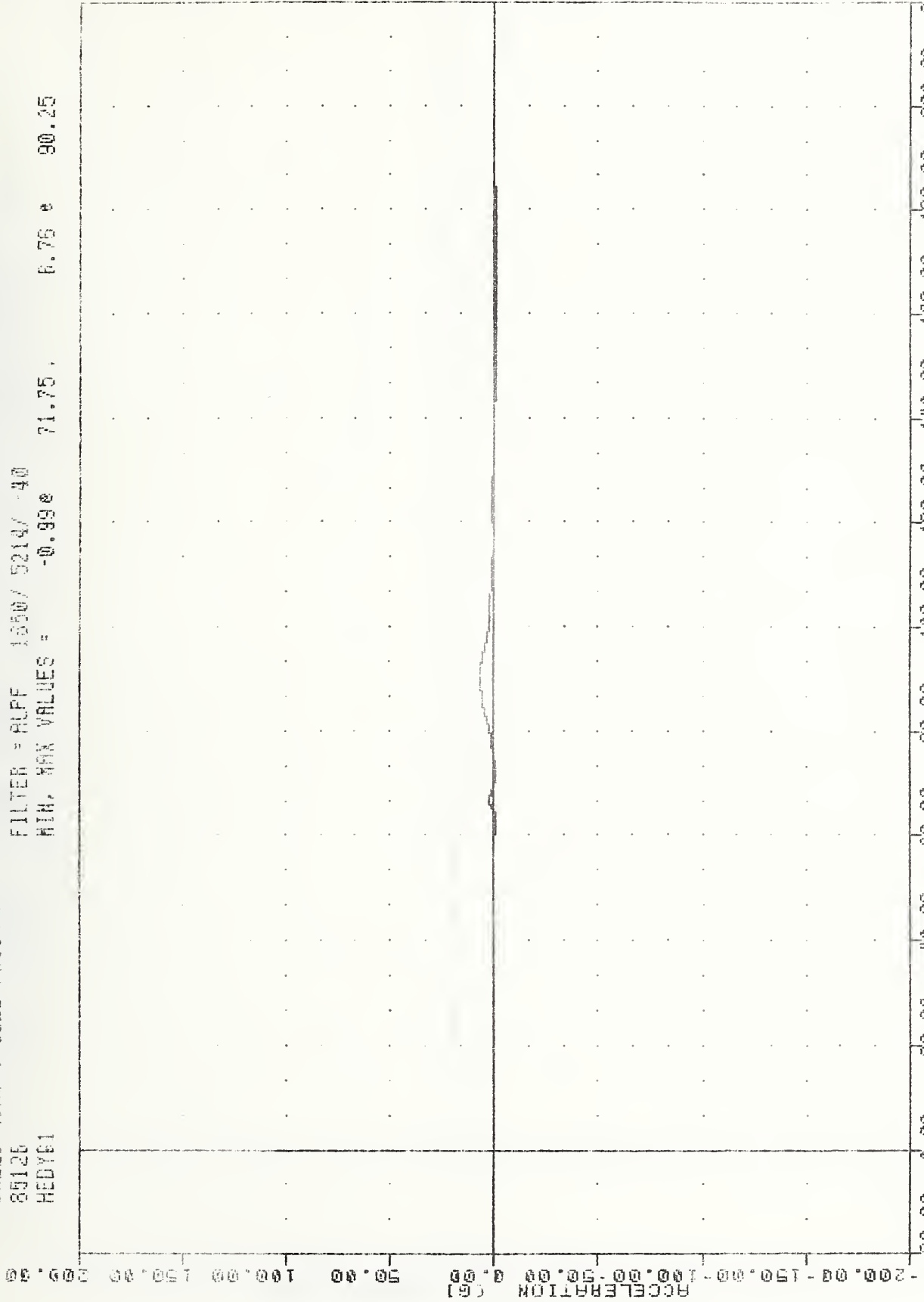


CHEVROLET IMPALA SLED TEST - 30 MPH 50TH PERCENTILE DUMMY
92170 01/27/84 457

WRTC . R0384 4-25
DREED AIRCRAFT SLED PROGRAM
85125
HEDY61

PLOT DATE 7-MAY-68 09:52:37

FILTER = RUPF 1050/ 5214/ 40
MIN. MAX VALUES = -0.99e 71.75 . 6.76 e 90.25



200.00 150.00 100.00 50.00 0.00 50.00 100.00 150.00 200.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)
CHEVROLET IMPACT SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
17.55 INCH COMPARTMENT - 2.125

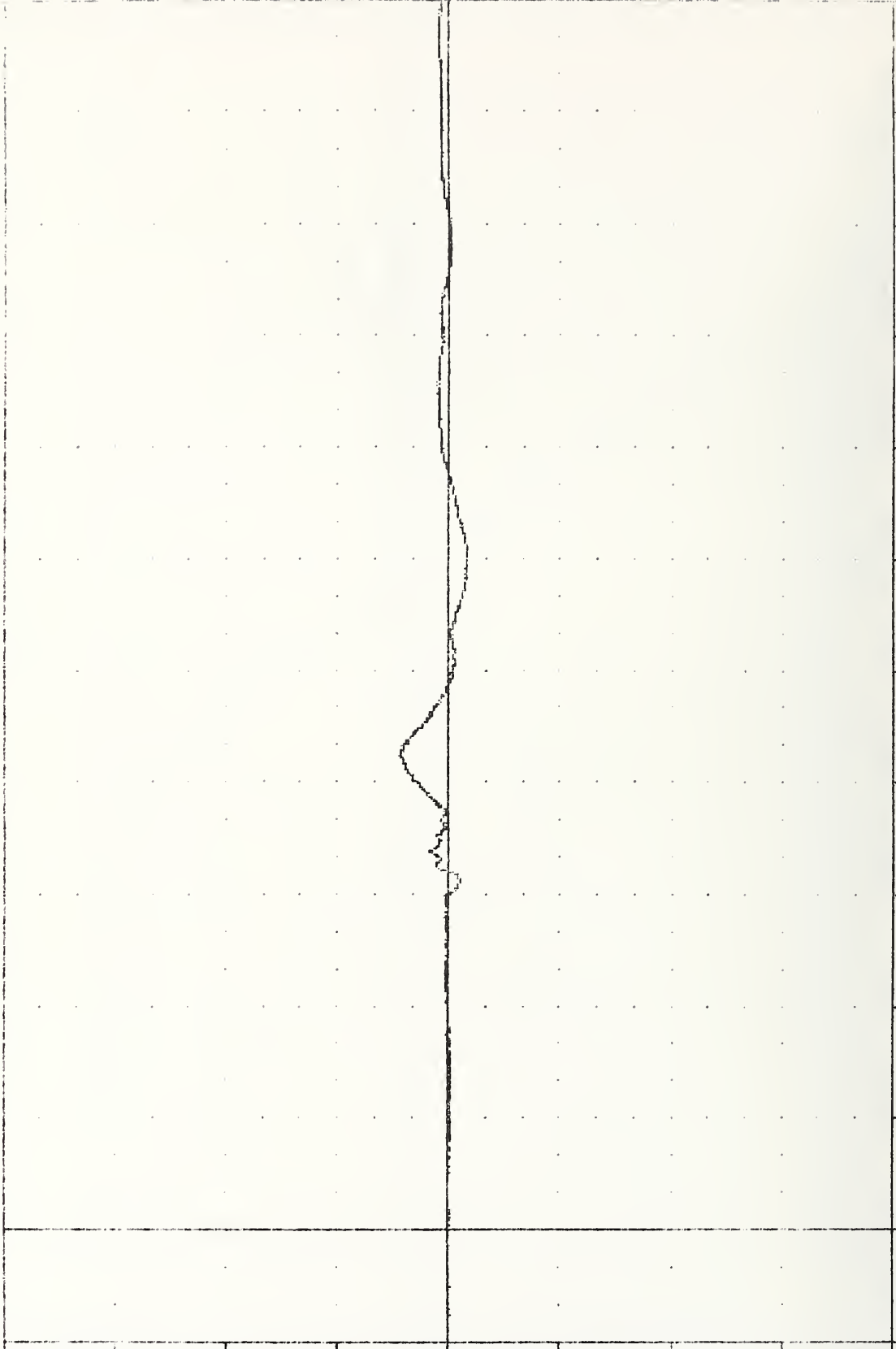
180.00
8800 AIRBAG SLED PROGRAM
05126

FILTER = 6LFF 1600/5214 -40

MIN. MAX VALUES = -8.67e 119.63e 22.05e 84.50

HEDZ61

ACCELERATION (G)



200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00

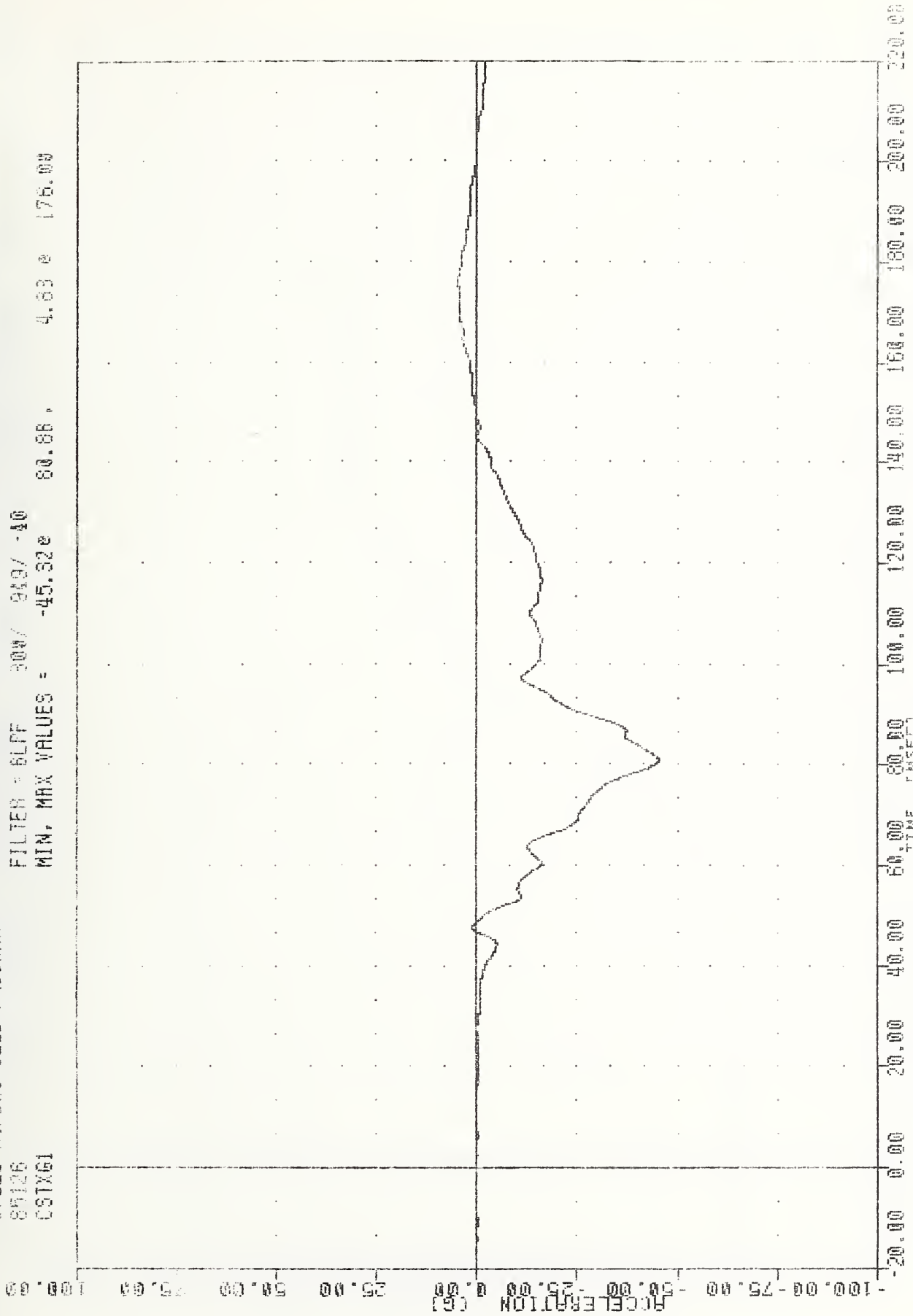
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION 7 AXIS

VITAL RECORDS
SPEED AIRBAG SLED PROGRAM
87126
CSTXG1

TEST DATE: 7-MAR-88 09:52:37

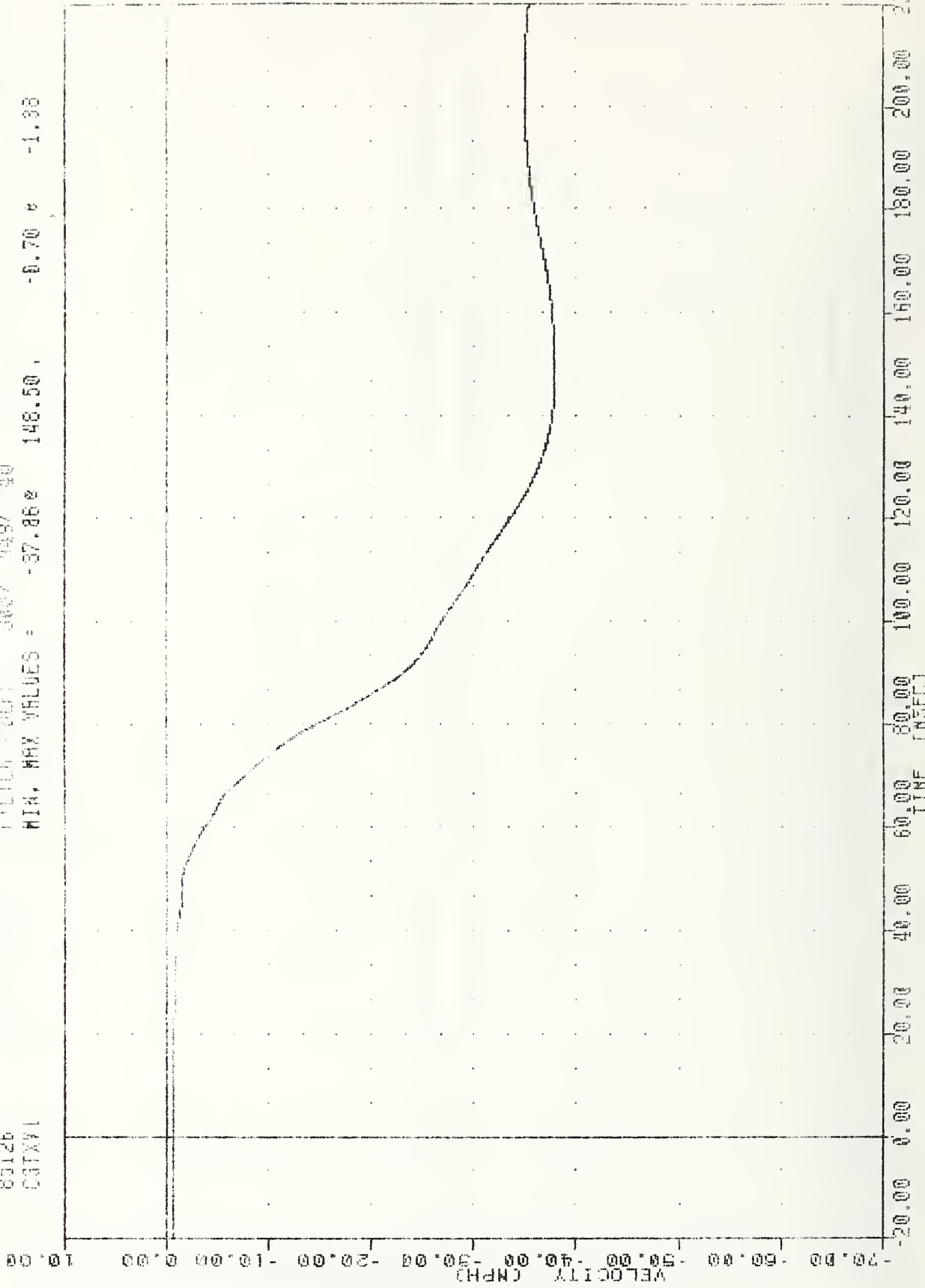
FILTER = 5LFF 30W/ 919/ -40
MIN. MAX VALUES = -45.32e 80.86e 4.63e 176.00e



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

CRIC 120110
SUSSED AIRBERG SLED PROPERTY
85126
C3TXV1

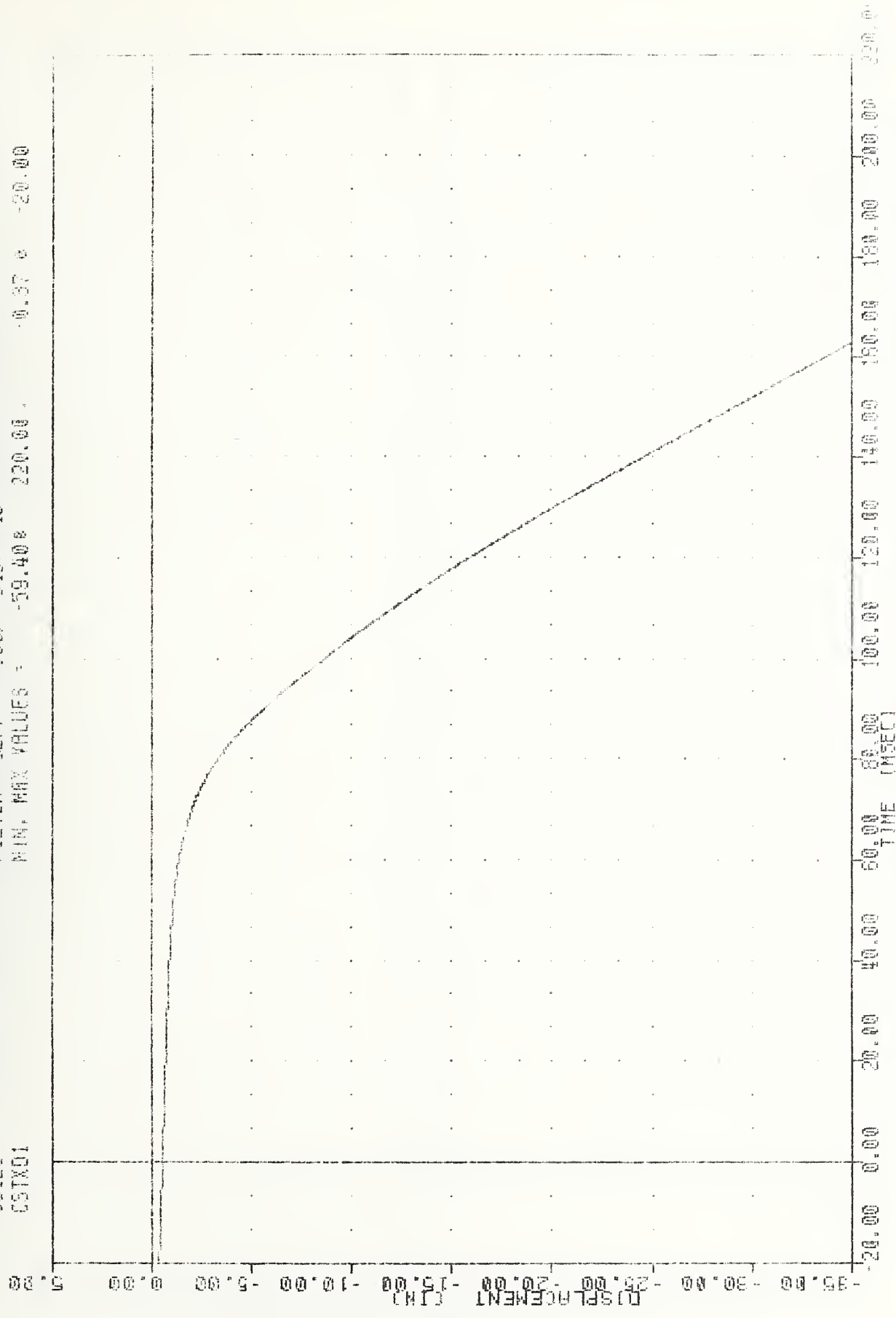
FILTER - GULF 303X 0497 40
MIN. MAX VALUES = -37.86e 148.50 , -0.70 e -1.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
C3TXV1 120110 057160

VARI : 20324-4-85
 BREED ATABAS BLEED PROGRAM
 85126
 CSTX01

PLOT DATE : 7-MAY-85 09:34:40
 FILTER : BLPF 300/ 549/ -40
 MIN. MAX VALUES : -59.40% 220.00% 0.37% -20.00



CHEVROLET IMPALA BLEED TEST - 50 MPH - 50TH PERCENTILE DUMMY
 DEFORMATION USING (STAY)

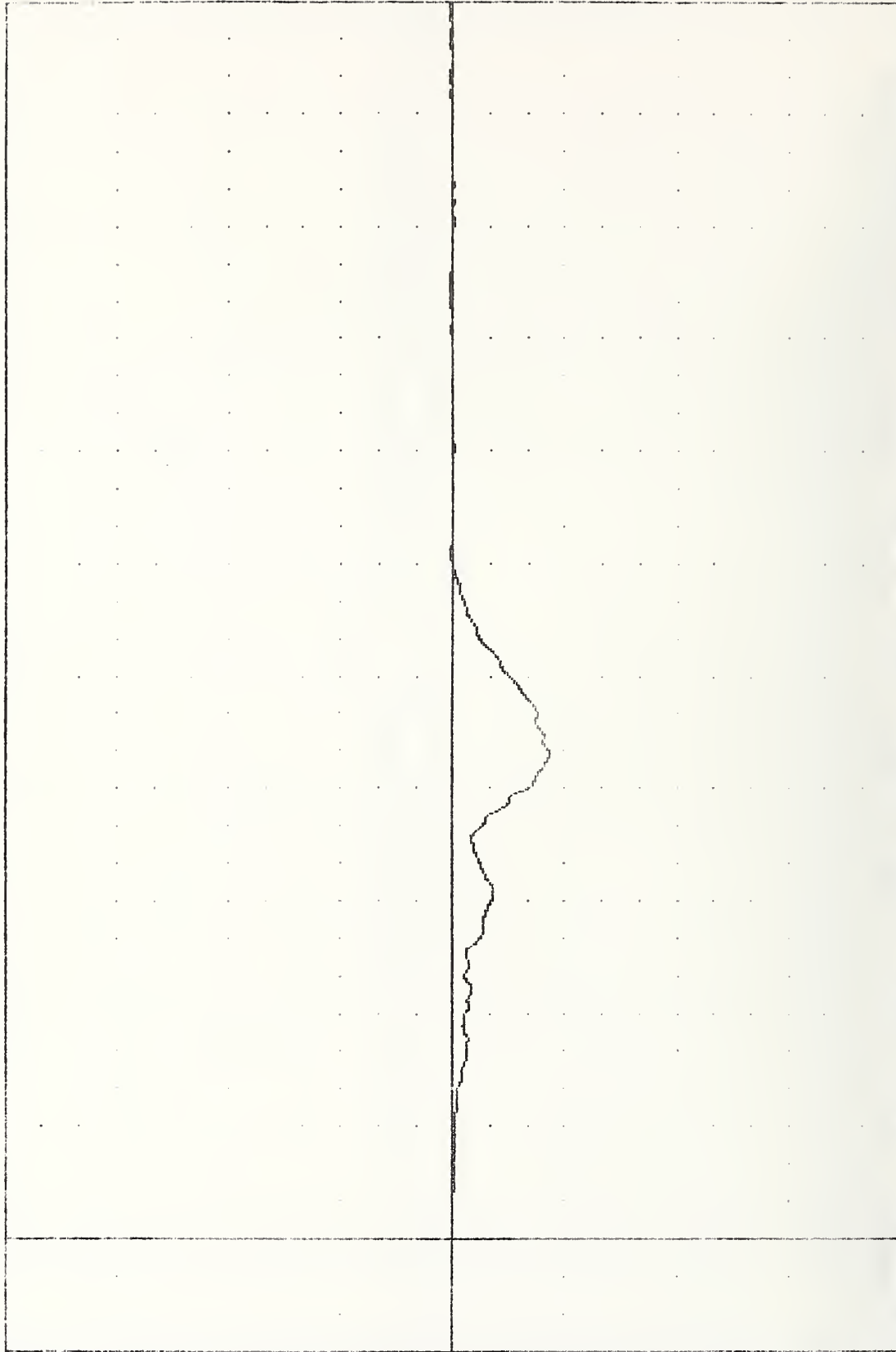
VRF / 00184-1-25
BREED SLEEDS SLED PROGRAM
05126
PEVXG1

PILOT DATE 7-MAY-85 09:32:37

FILTER = BLPF 300/ 849/ -40

MIN. MAX VALUES = -43.13 86.13 1.16 212.63

ACCELERATION (G) 200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00



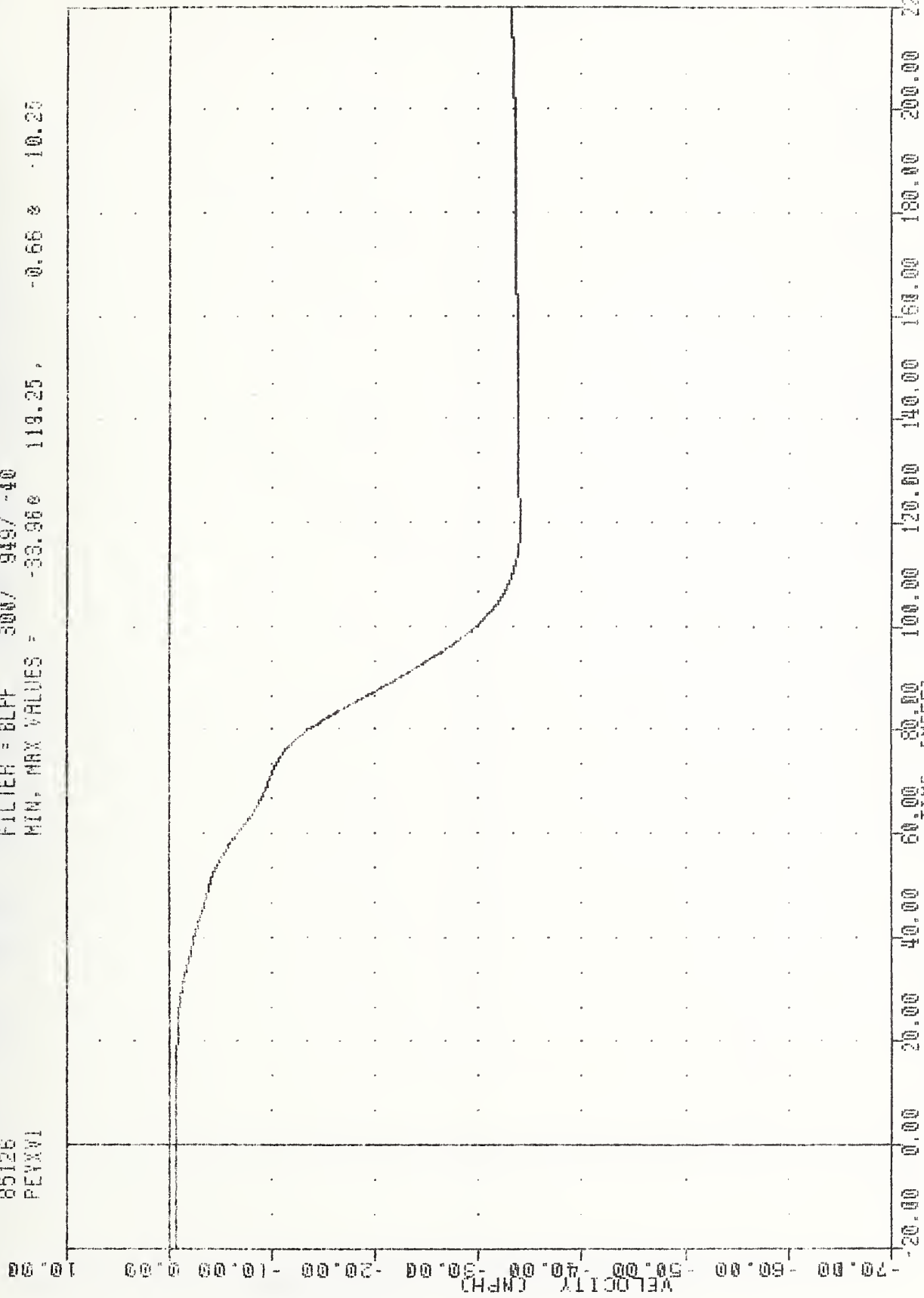
20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y PYR

WRTC : 80384-4-25
 BREED HINBERG SLED PROGRAM
 85126
 PEYXVI

PLOT DATE : 7-MAY-85 09:34:40

FILTER = 8LFF 300/ 949/ -40
 MIN, MAX VALUES = -33.96e 119.25, -0.66 e -10.25



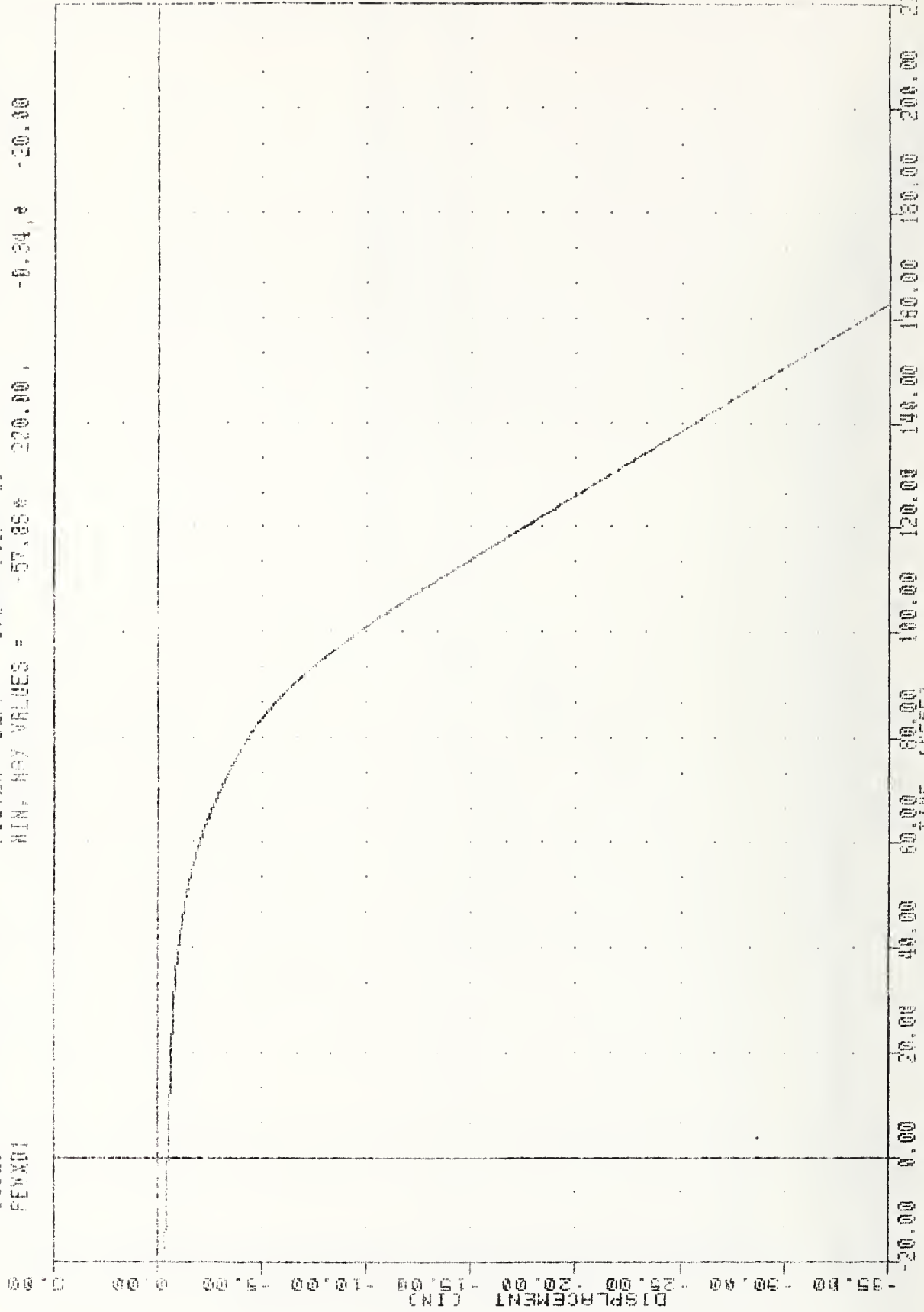
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING PEYXVI

747 50300 N 40 PLOT DATE 8914140

WHEEL RIBBING SLED PROGRAM

28128 FILTER = BLFF 300: 849/ 40

PENX01 MIN. MAX VALUES = -57.85% 220.00 1 -0.24% -20.00



CHEVROLET IMPALA SLED TEST - 20 MPH - 50TH PERCENTILE DUMMY
SEATA / USHS PERIOD

VRTC
85126
PEYV61

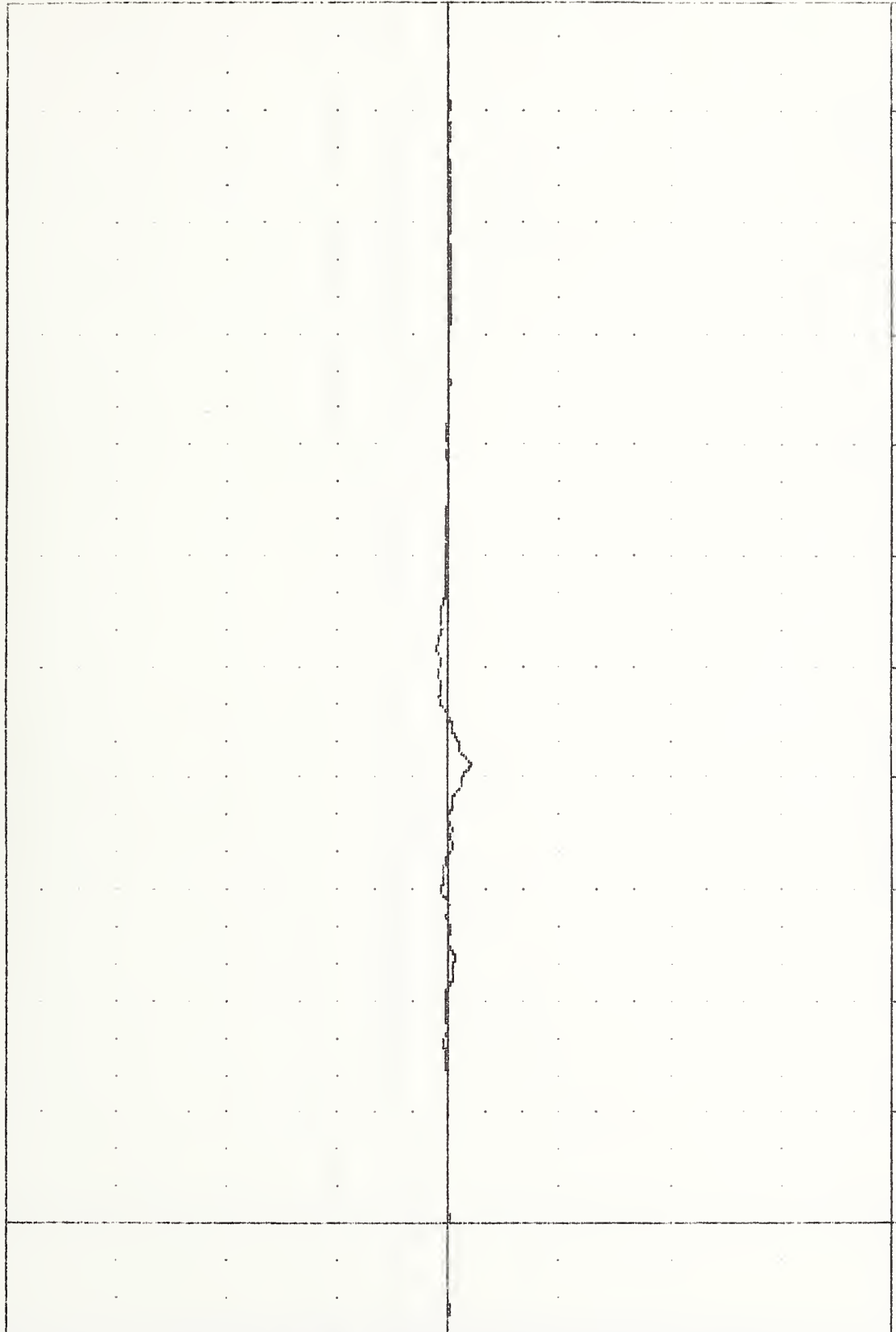
PO334-4-25
7 MAY 1985 09:32:37

BREED AIRSAGE SLED PROGRAM

FILTER = BLPF 30W/ 949/ -40

MIN. MAX VALUES = -10.02e 82.25, 5.12 e 103.13

ACCELERATION (G)



200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

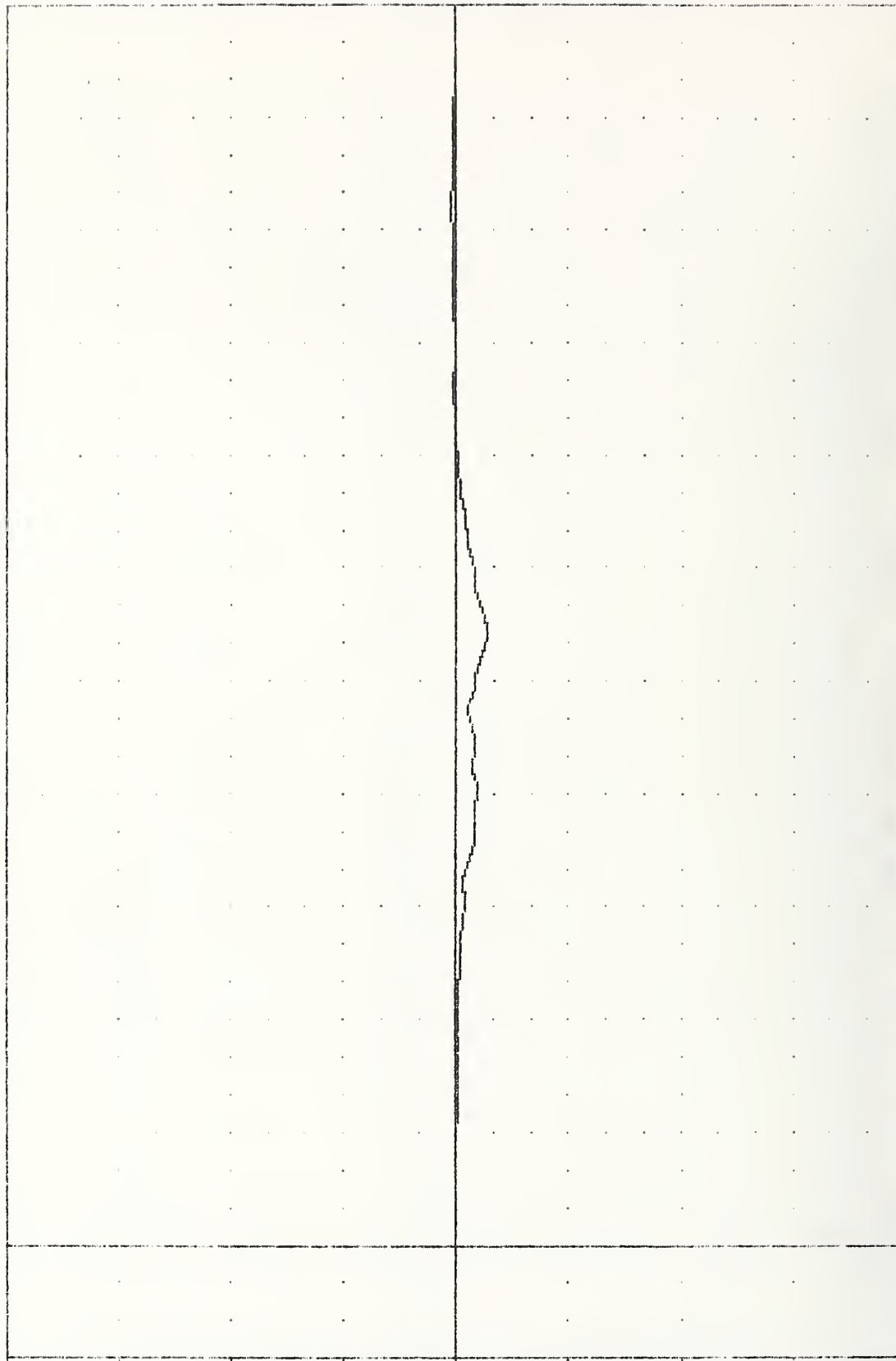
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PEAKS ACCELERATION (G)

VRTC # 00384-4-25
SHEET 41893 SLED PROGRAM
85126
REVISE

PLOT DATE 7-MAY 85 09:32:37

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -13.500 108.75, 1.56 184.25

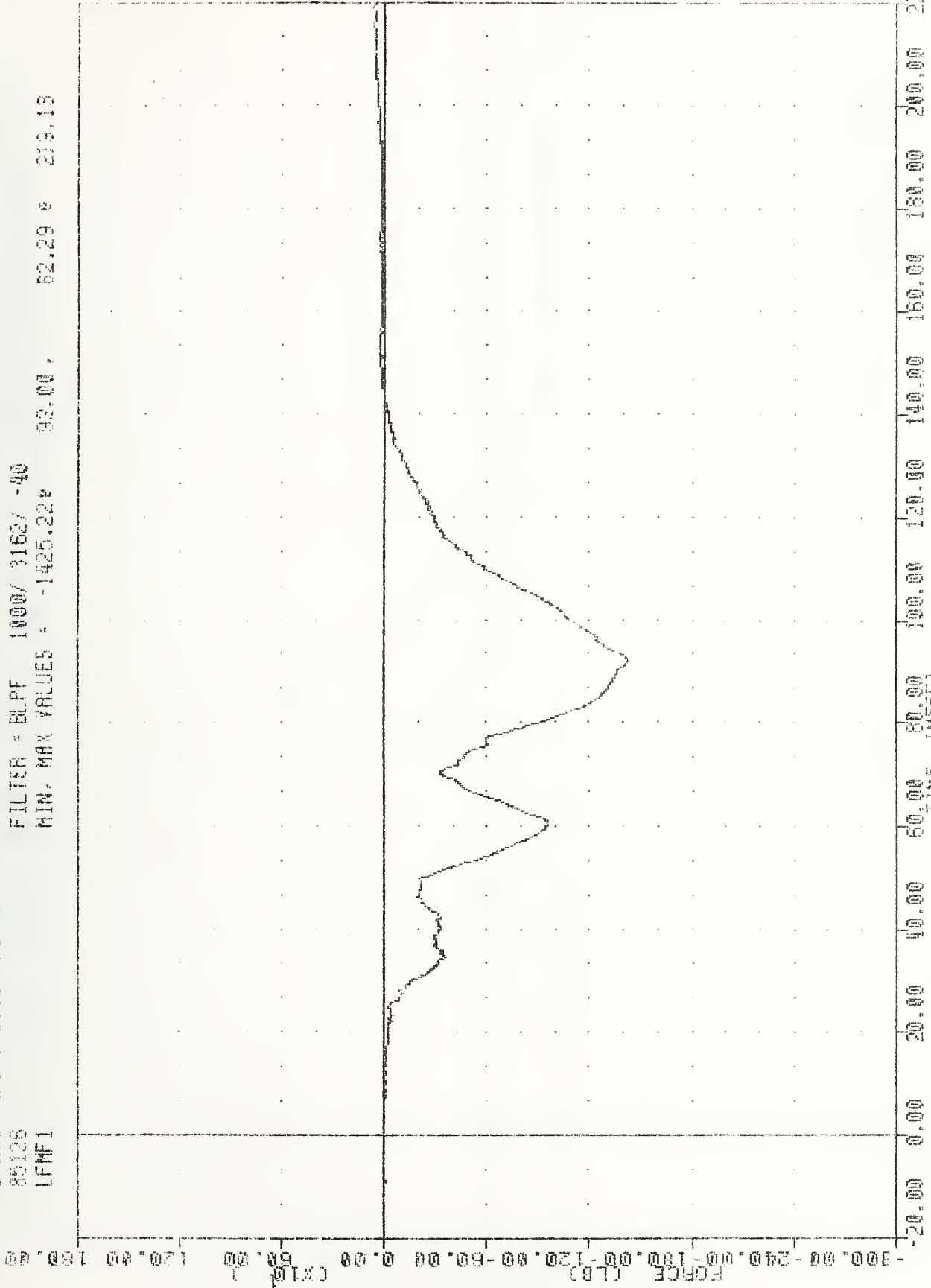
ACCELERATION G 200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SHIVER PEAKS OCCUR AT 108.75 AND 184.25

05126
LFMF1
85126
BREQ R (MPC) = 5100
PLT DATE 7 MAY 85 08:32:37

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -1425.22e 92.00e 62.29 e 213.13

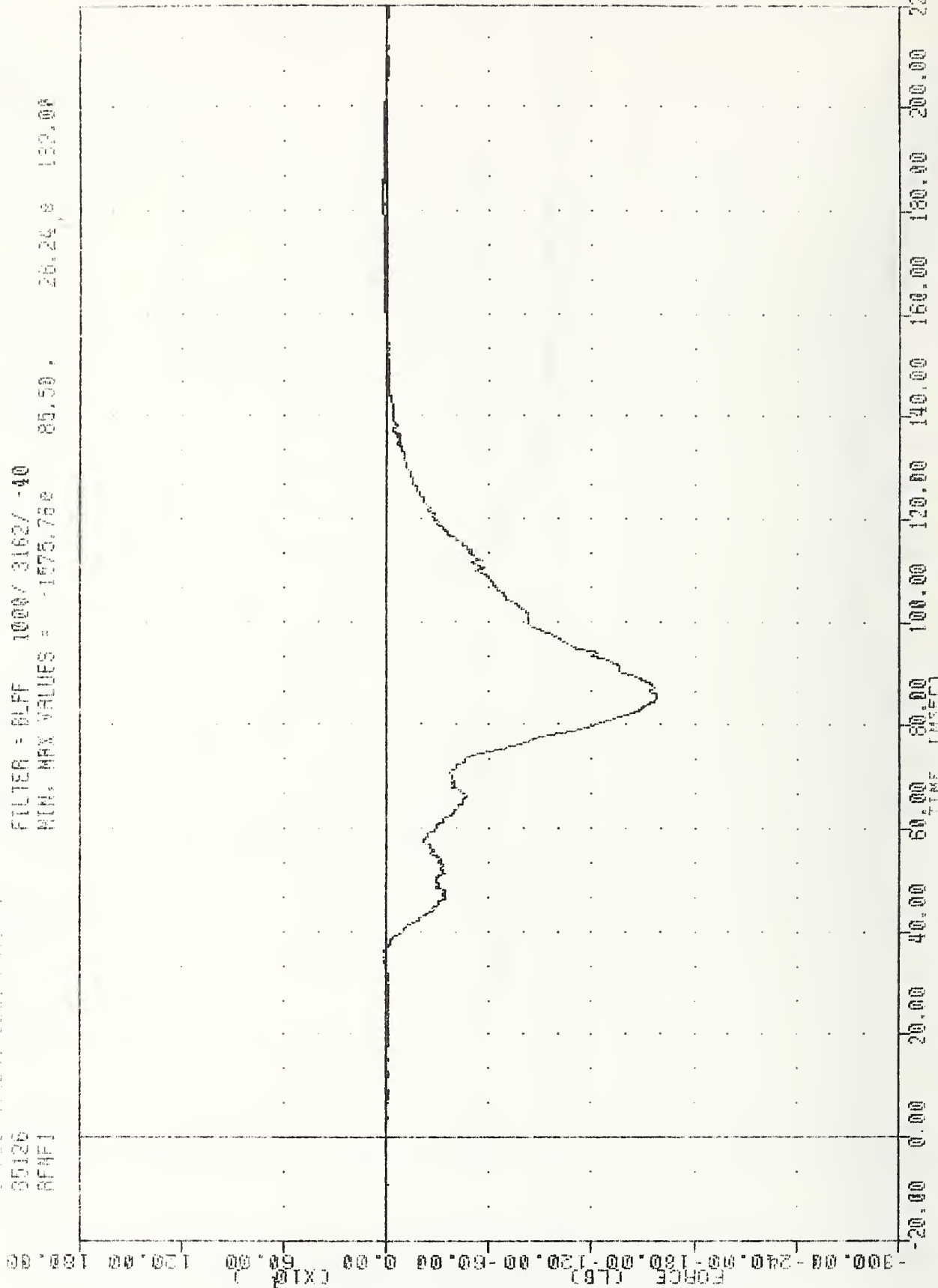


CHEVROLET IMPALA SEDAN TEST - 90 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FOR 5

NR10 50554-4-25
30920 014200 5550 75000.0
05126
RFHF1

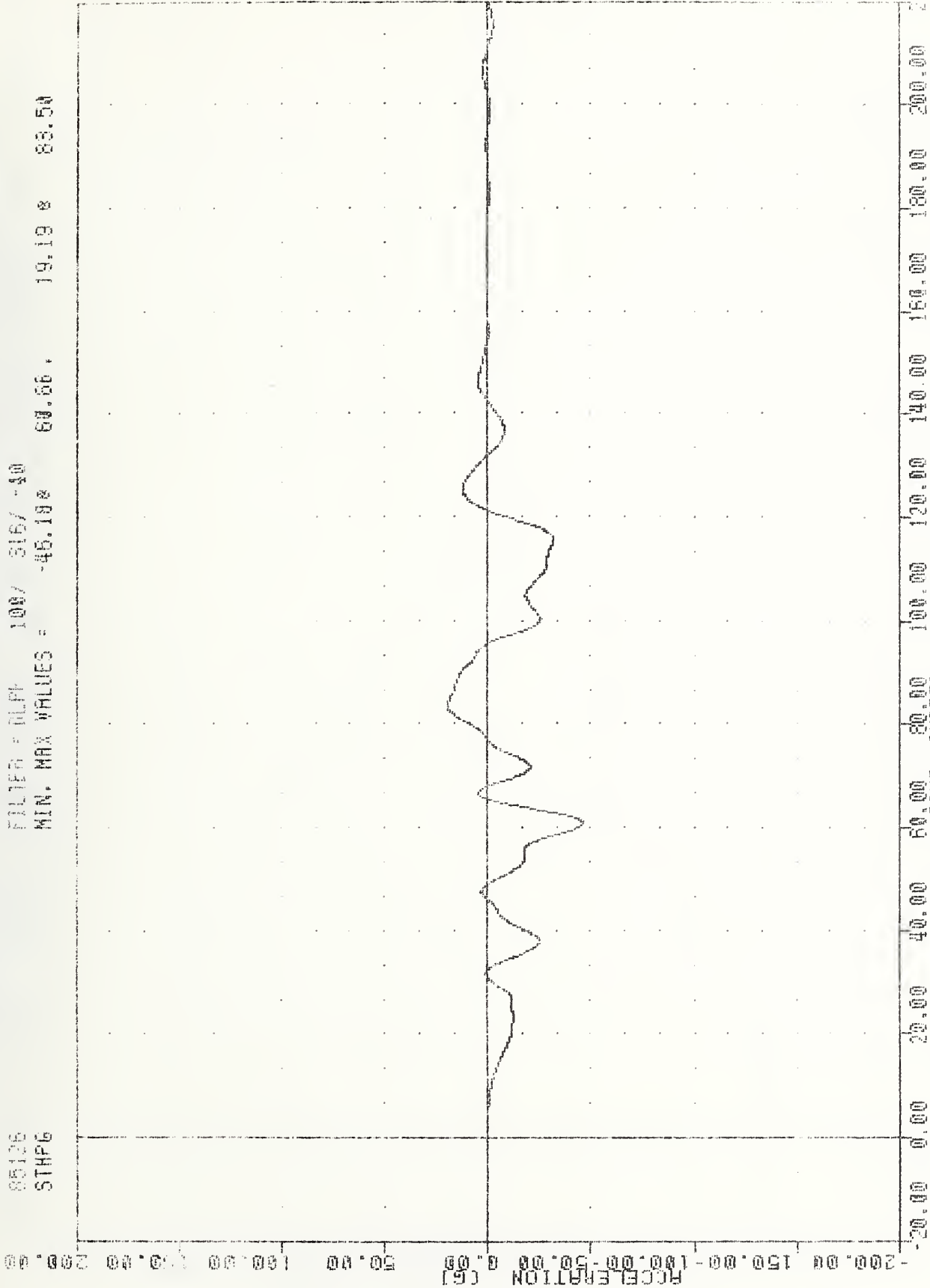
PLOT OPTS 7-MAY-85 09:32:37

FILTER = BLFF 1000/ 3162/ -40
MIN, MAX VALUES = -1575.76e 85.50 . 26.24 e 130.00



CHEVROLET IMPALA SLED TEST 30 MPH 50TH PERCENTILE DUMMY
FRONTAL RIGID FEMUR FORCE

8877
 2850 RIBBING SLED PROGRAM
 85126
 STHPG
 7 MAY 68 00:52:07
 FILTER = OLPT 100/ 316/ -10
 MIN. MAX VALUES = -48.19 68.66 19.19 83.50



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 AVERAGE 1000 HZ HUE ACCELERATION 5 - 8 HZ

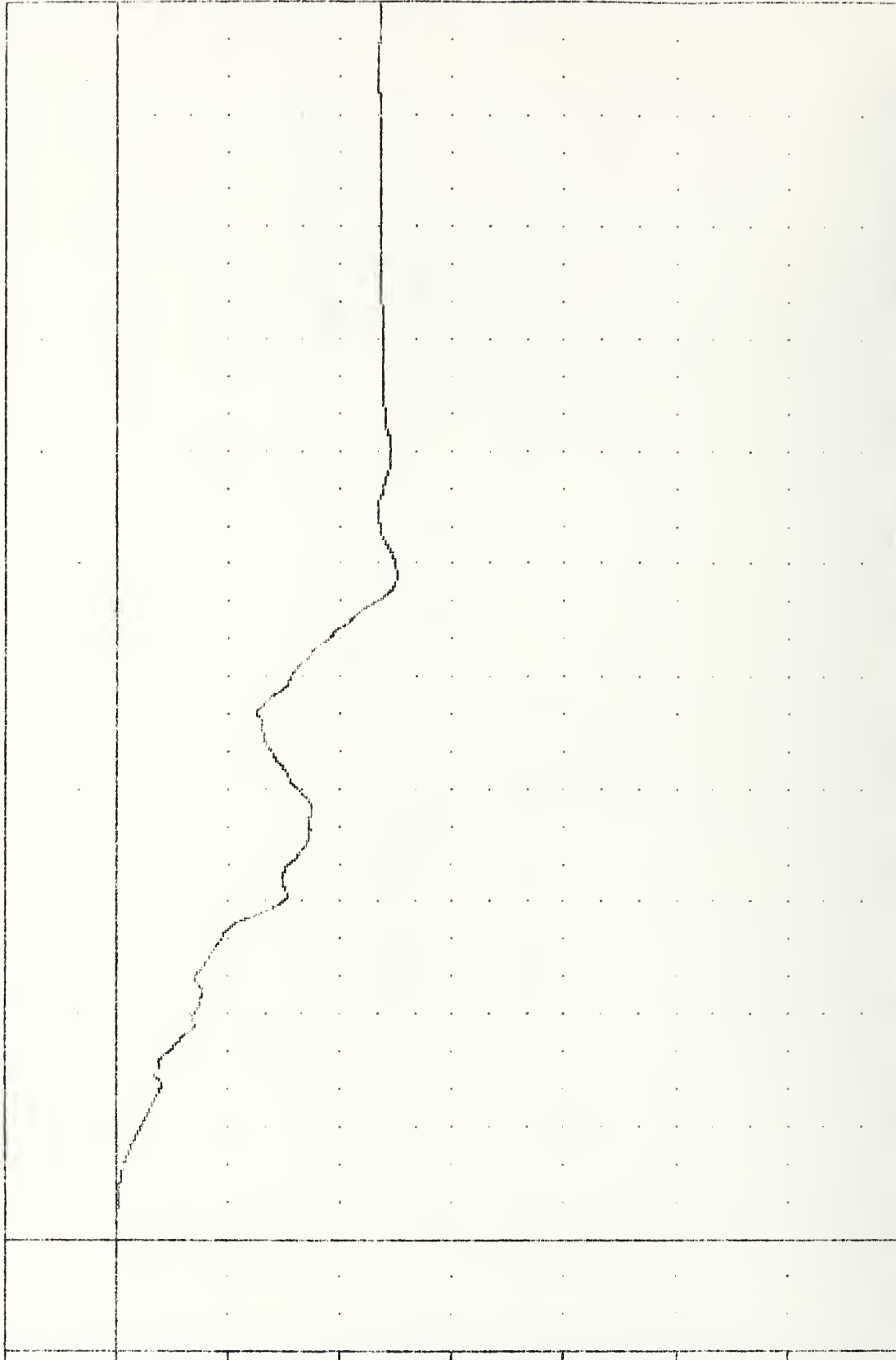
VRTC : 80384-0-25
SPEED : 812693 SLED TRACKING
65128
STHPY

PLUT DATE : 7-MAR-65 09:34:40

FILTER : BLPF 300/ 949/ -40
MIN. MAX VALUES : -25.02e 117.75e

-0.05e -20.00

10.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

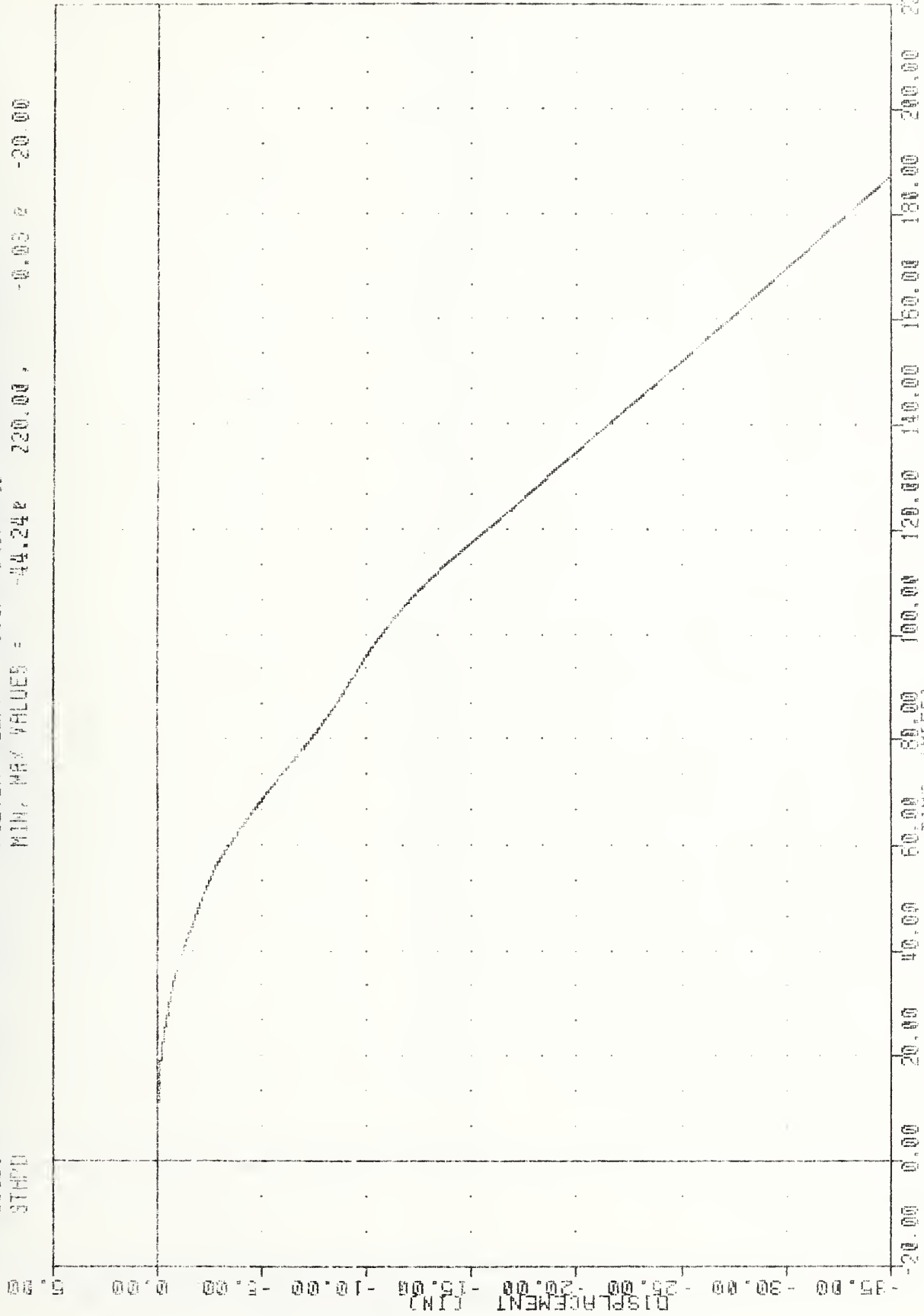
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
FILTER : BLPF 300/ 949/ -40

VRTC 80384-1-25
BRACO High Speed Lab (60ft/min)
85126
STHPD

PLOT DATE 7-MAY-80 09:54:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -44.24e 220.00, -0.00 e -20.00



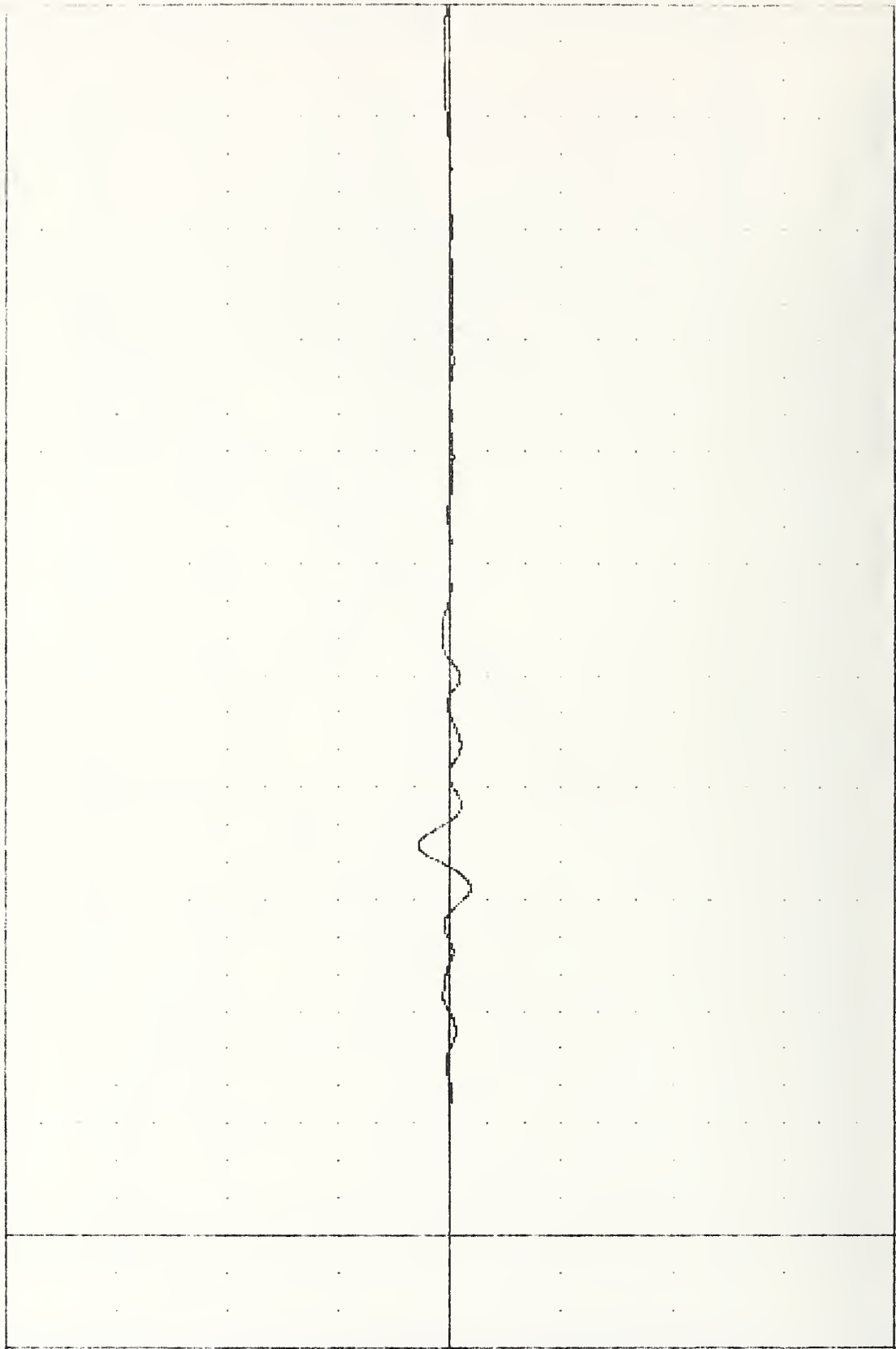
CHEVROLET IMPALD BLEED TEST - 30 MPH - 50TH PERCENTILE DUMMY
P. 18 OF 110 PAGES

VRTC 80384-4-25
BRED AIRRAID BLEED PROGRAM
85128
STALG

TIME (MSEC) 0400000

FILTER = BLPF 100/ 315/ -40
MIN. MAX VALUES = -9.05g 62.00 14.55g 59.63

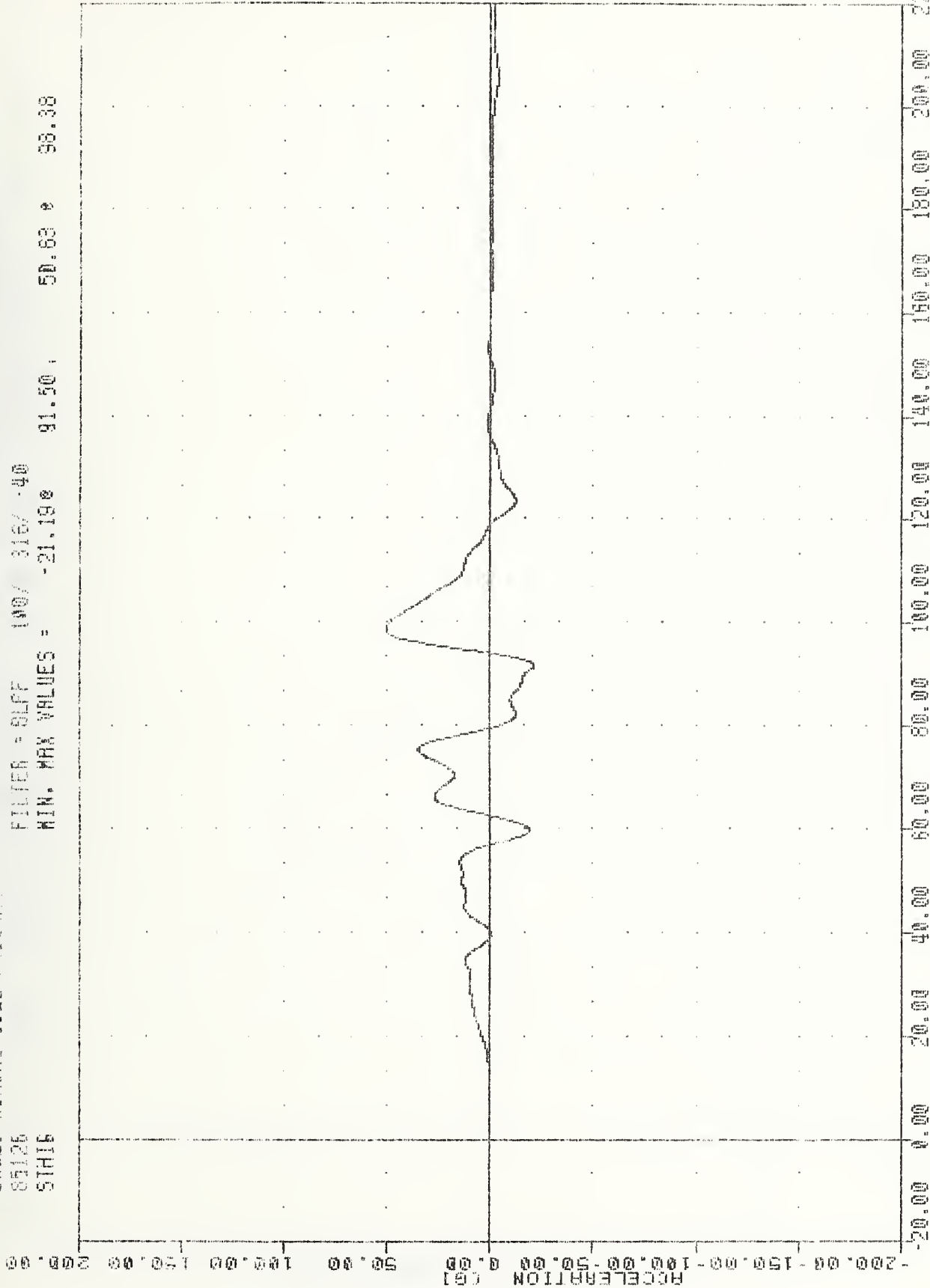
ACCELERATION (G) 200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00



TIME (MSEC) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA BLEED TEST - 90 MPH - 50TH PERCENTILE DUMM
STEERING COLUMN HUB ACCELERATION M-L AXIS

TEST: 7 ROOM 4 20
 BREED AIRBAG SLED PROGRAM
 85126
 STAB
 FILTER = 8LFF 100/ 316/ -40
 MIN. MAX VALUES = -21.19e 91.50 ; 50.63 e 98.88
 TIME 09132137
 7 MPH-80



527

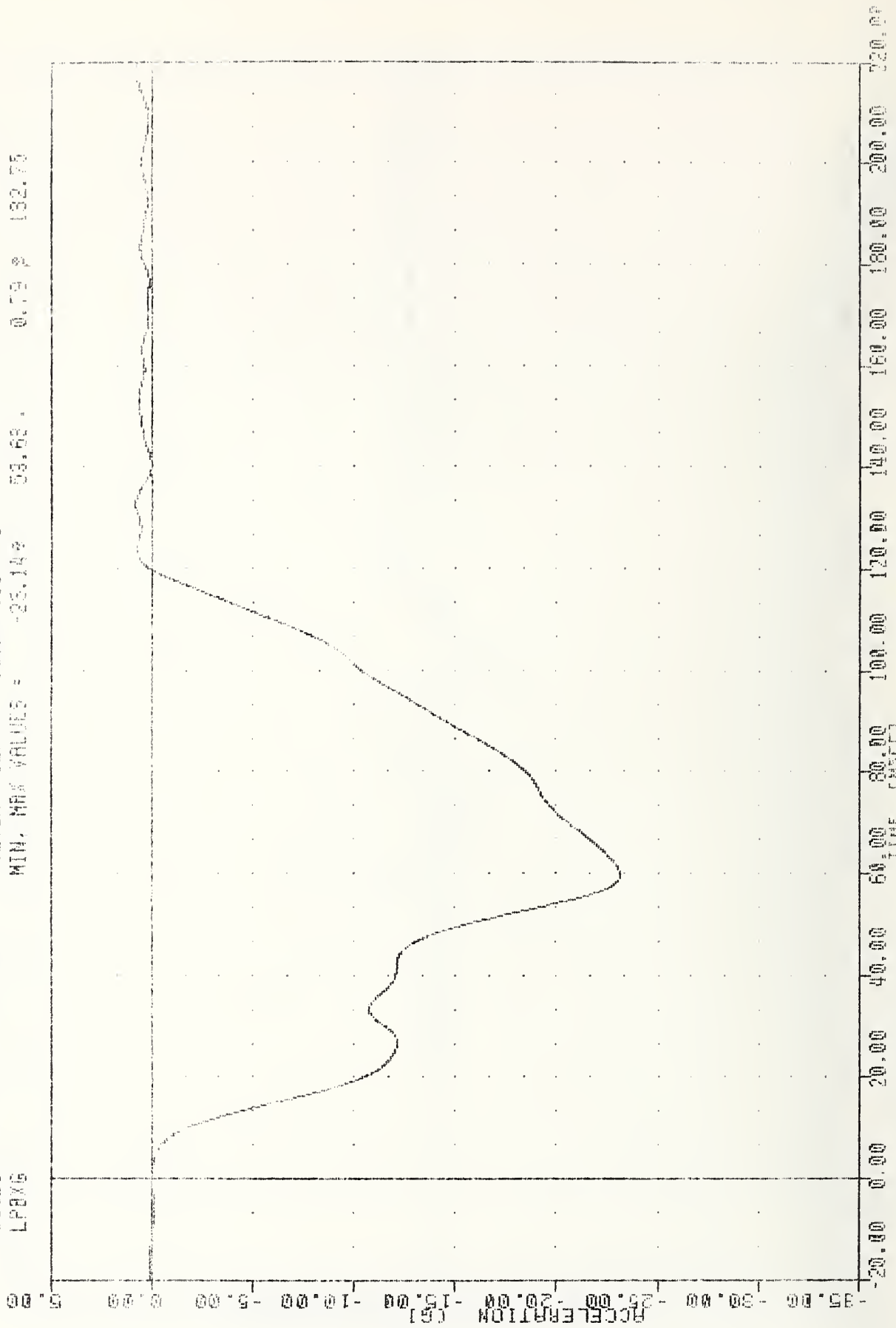
CHEVROLET IMPALA SUBJECT TEST - 30 MPH - 50TH PERCENTILE DUMMY
 AIRBAG DEPLOYMENT HUB ACCELERATION (g) CH503

VEH # R0394-4 75
BASED 600000 SLED TRUSS 10
05126
LPBXG

FLIGHT DATE: 7-1961-65 00:32:75

FILTER = BLFF 10M/ 3167 -40

MIN. MAX VALUES = -25.14e 03.68e 0.79 g 132.75

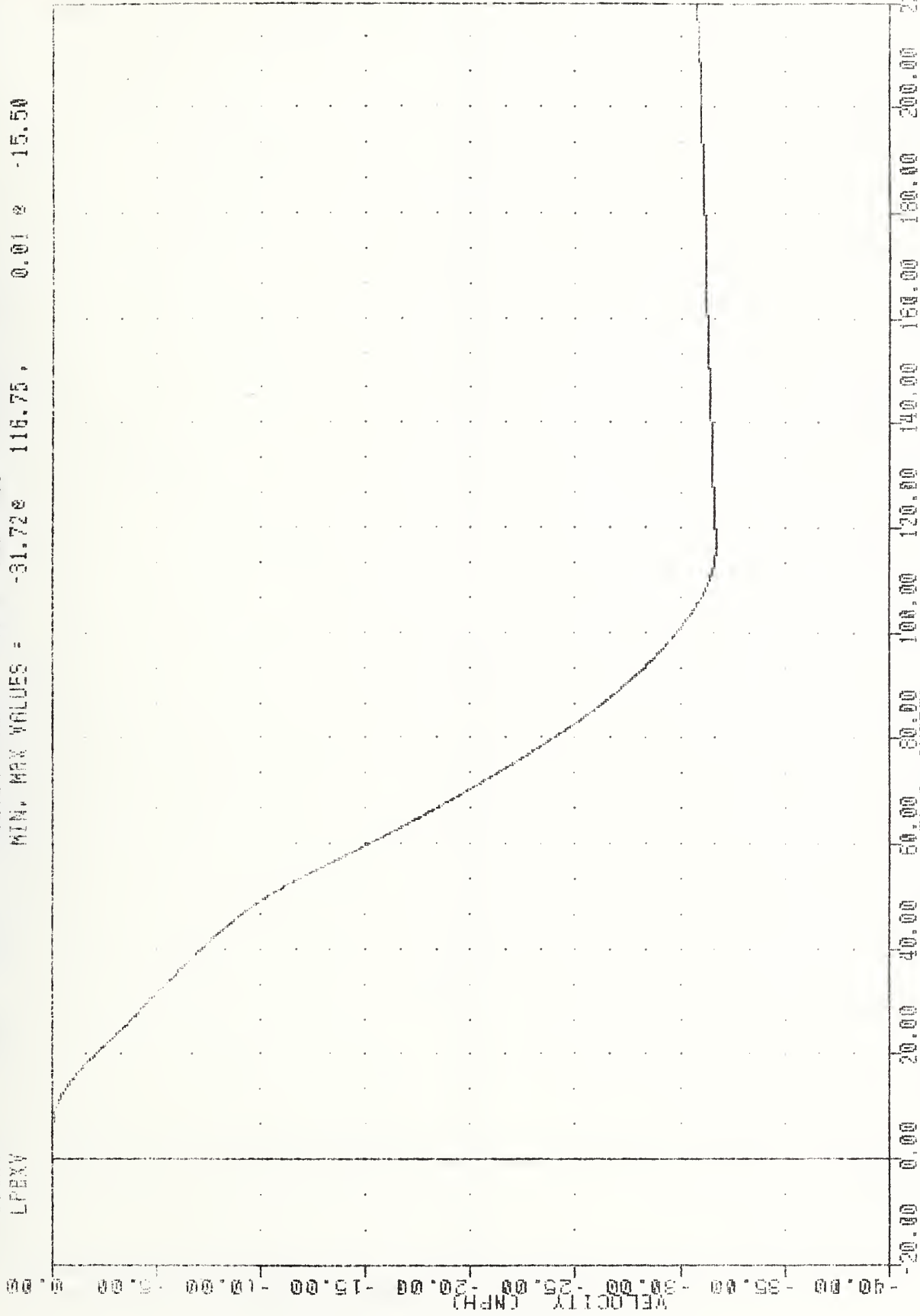


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILUPA CENTER ACCELERATION GRAPH

VRTC , RD384-4-25
GREEN AIRBAGS SLED PROGRAM
85126
LPEXV

PLOT DATE / MAY-85 08:34:40

FILTER = SLPF 300/ 919/ -40
MIN. MAX VALUES = -31.72e 116.75, 0.01 e -15.50



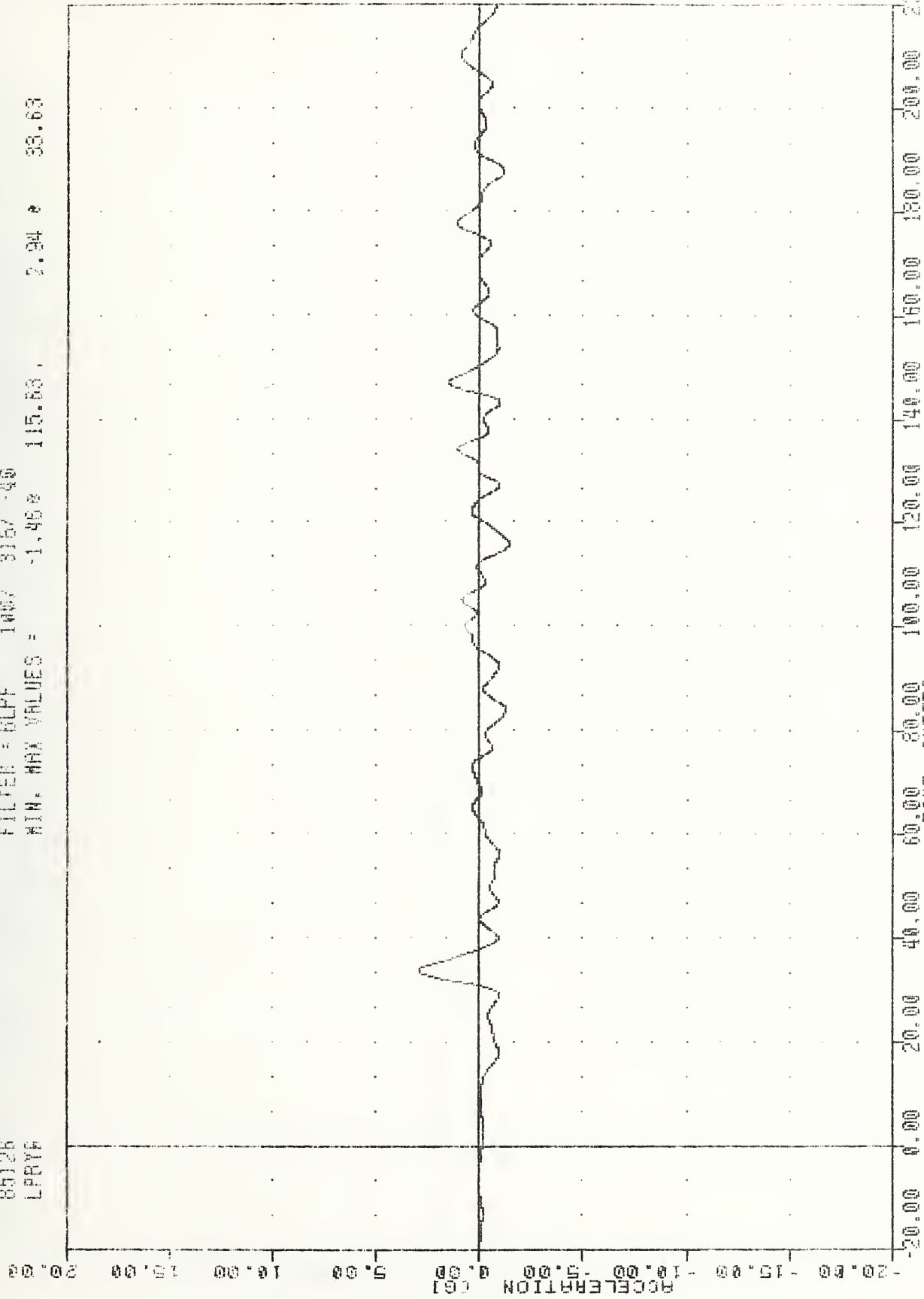
529

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPEXV

V81C , PD380 4-25
08250 819866 SLED PROGRAM
05126
LPR18

PLAT DATE 7-MAY-88 09:52:37

FILTER = BLPF 1007 9167 40
MIN. MAX VALUES = -1.460 115.63 2.94 33.63

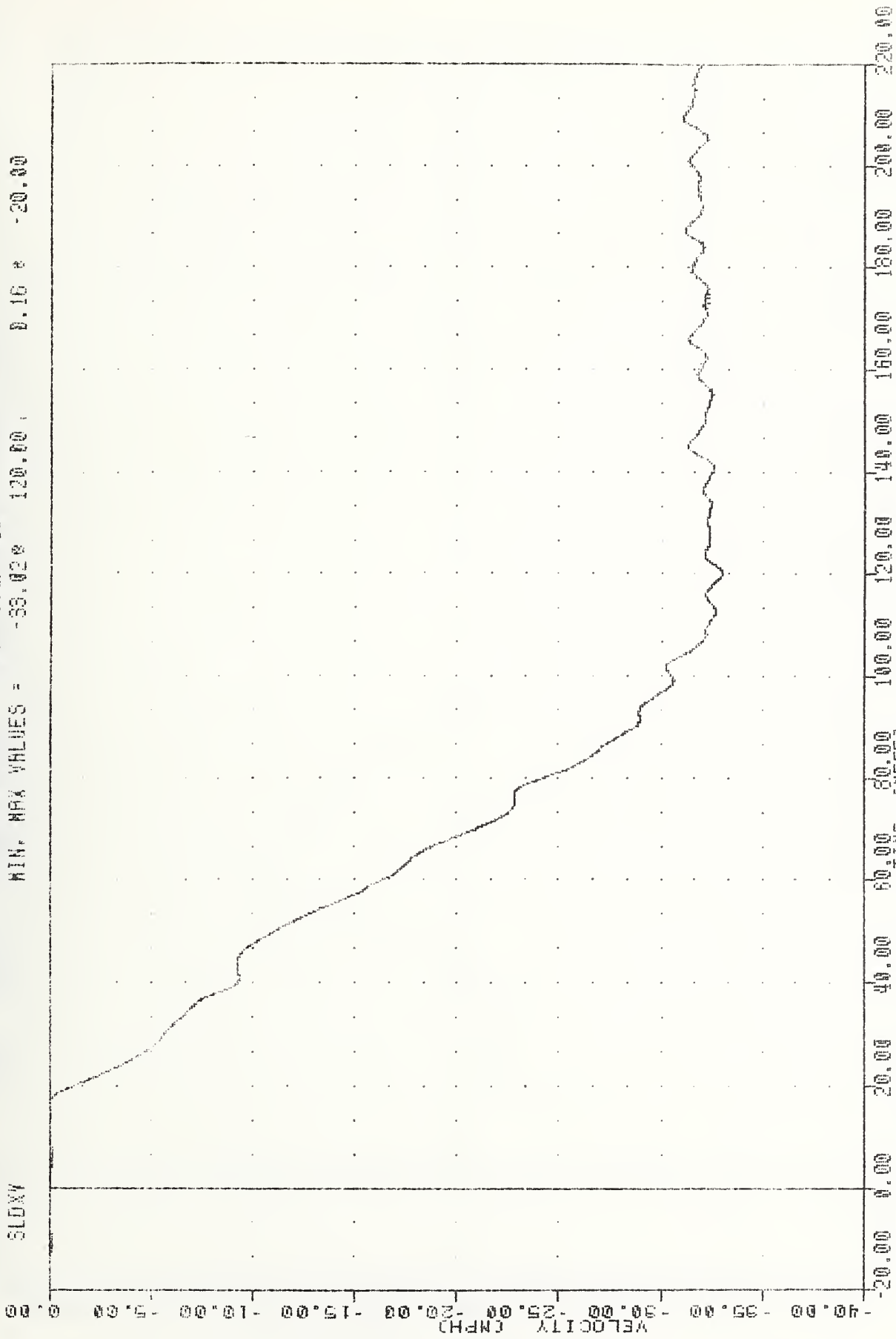


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
RILIARR LEFT B ACCELERATION - GATT

0510
BREED IMPALA SLED PROGRAM
85126
SLDXV

PLOT DATE 7 MAY 65 09:32:37

FILTER = ALPF 100/ 315/ 40
MIN. MAX VALUES = -53.02% 120.00 0.16 * -20.00

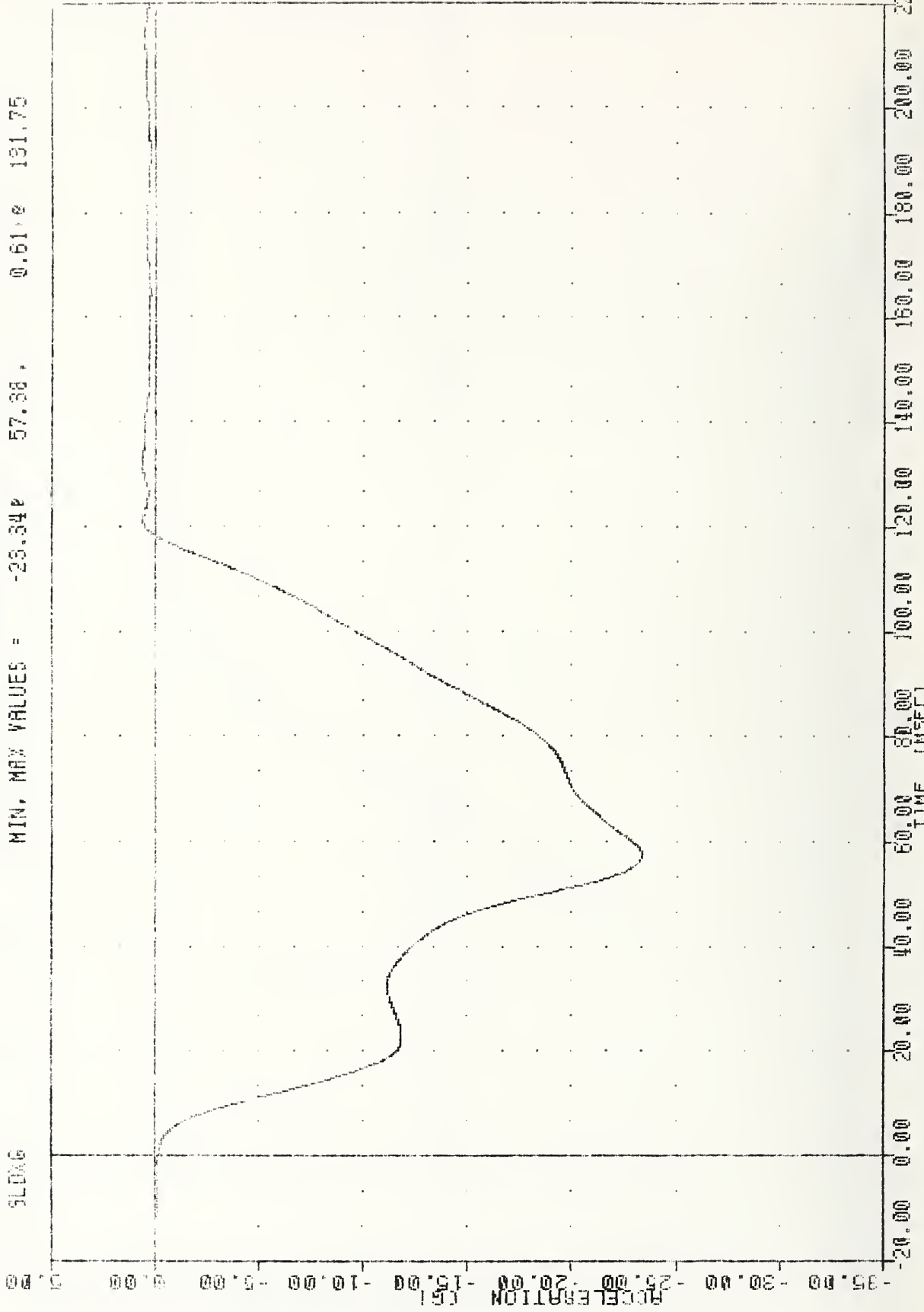


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VIN: 1G111325
SLED PROGRAM
#5126
SLOXG

TIME: 07/11/95 09:30:00

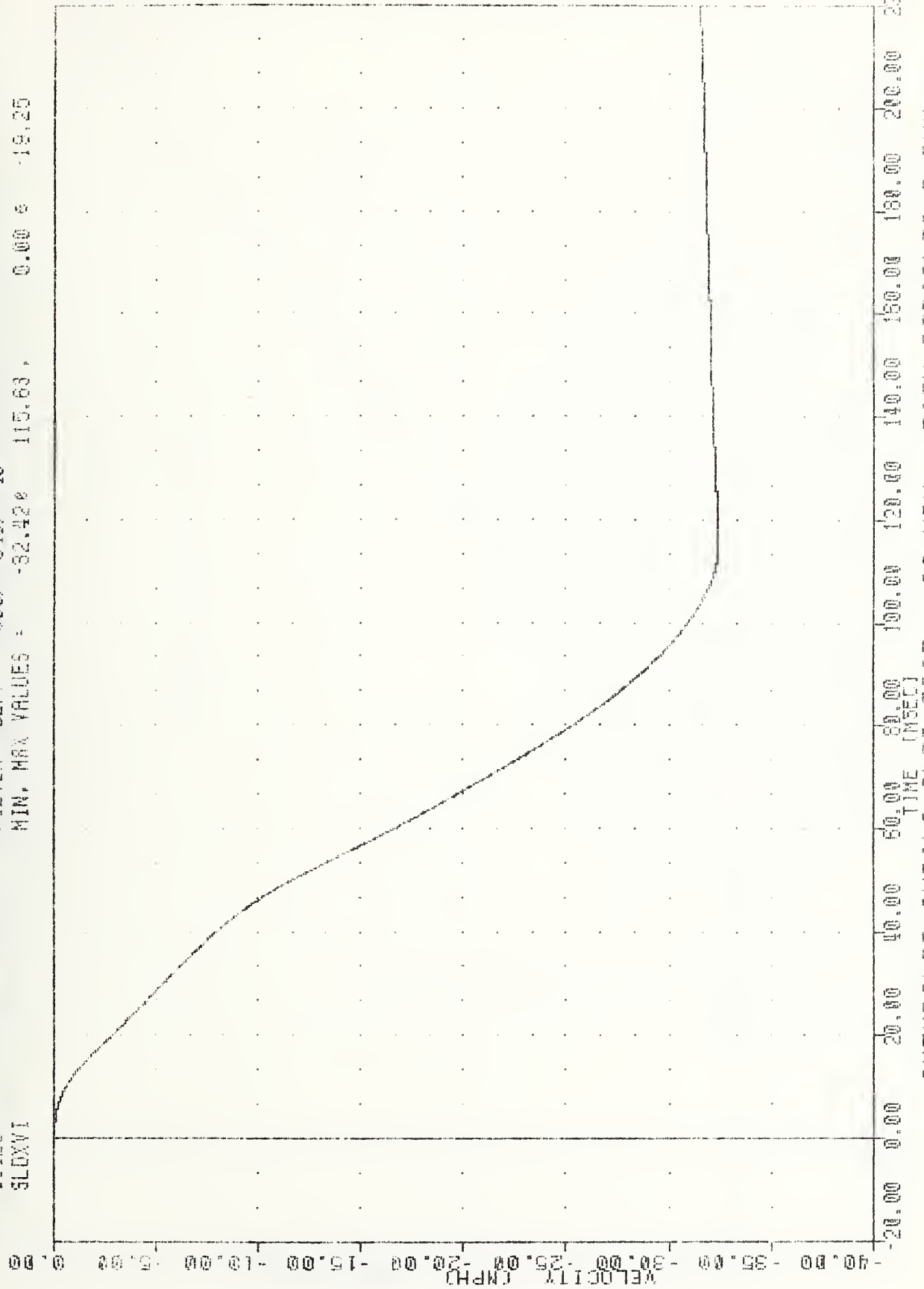
FILTER: BLFF 100/ 316/ -40
MIN, MAX VALUES = -29.34P 57.38, 0.61e 191.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

8877 60054-1-25
 30000 SLED PROGRAM
 85128
 SLDXVI

PRINT DATE 7-MAY-85 09:34:40
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -82.42 e 115.63 , 0.00 e -19.25



CHEVROLET IMPALD SLED TEST 30 MPH 50TH PERCENTILE DUMM
 SLED VELOCITY (INTERPOLATED)

85126
SLODZ
85126
85126
85126

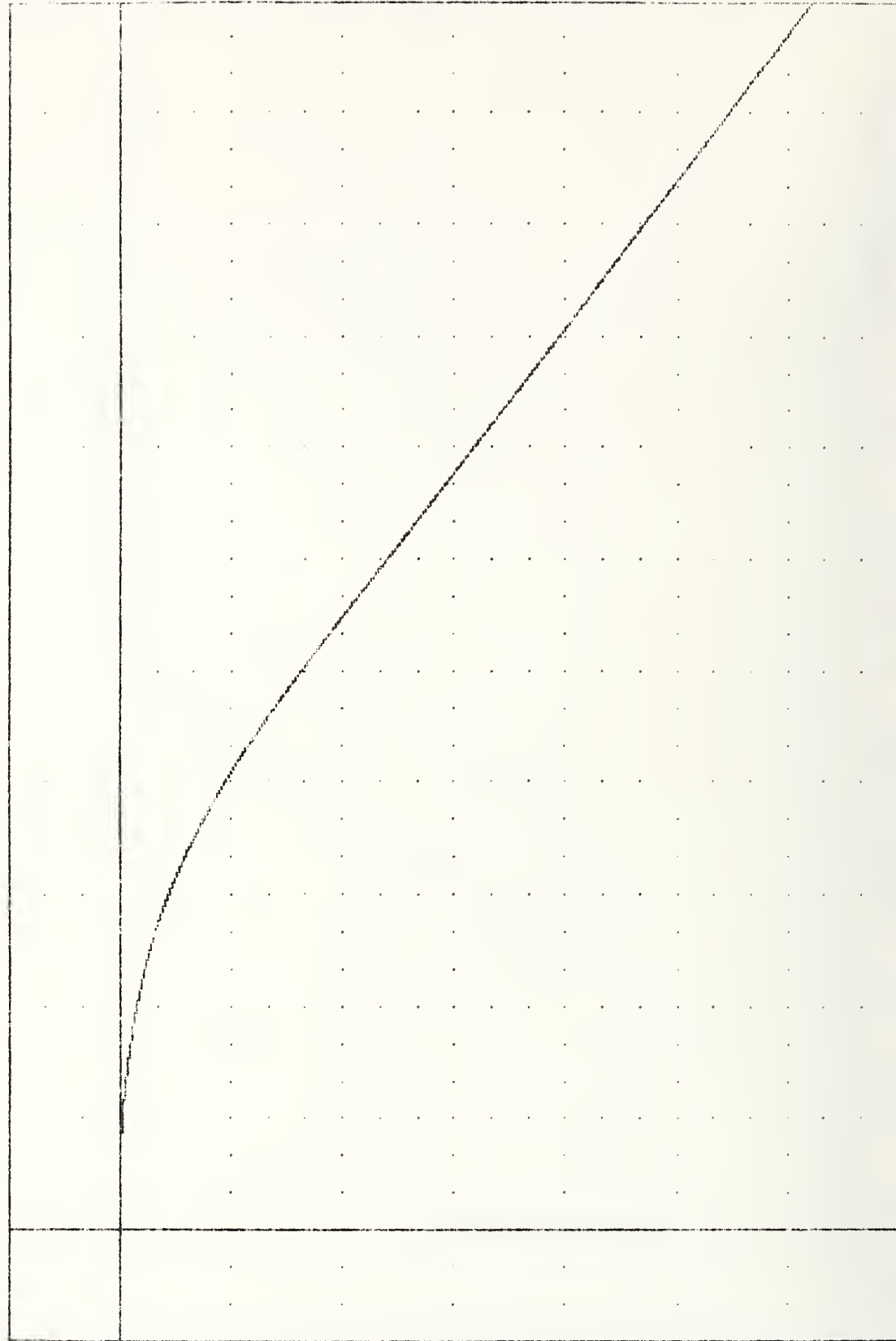
PLOT DATE 7-MAY-85 09:34:10

FILTER = 8LFF 300/ 949/ -10

MIN, MAX VALUES = -62.336 226.00 , 0.00 * -20.00

DISPLACEMENT (IN)

10.00
0.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00



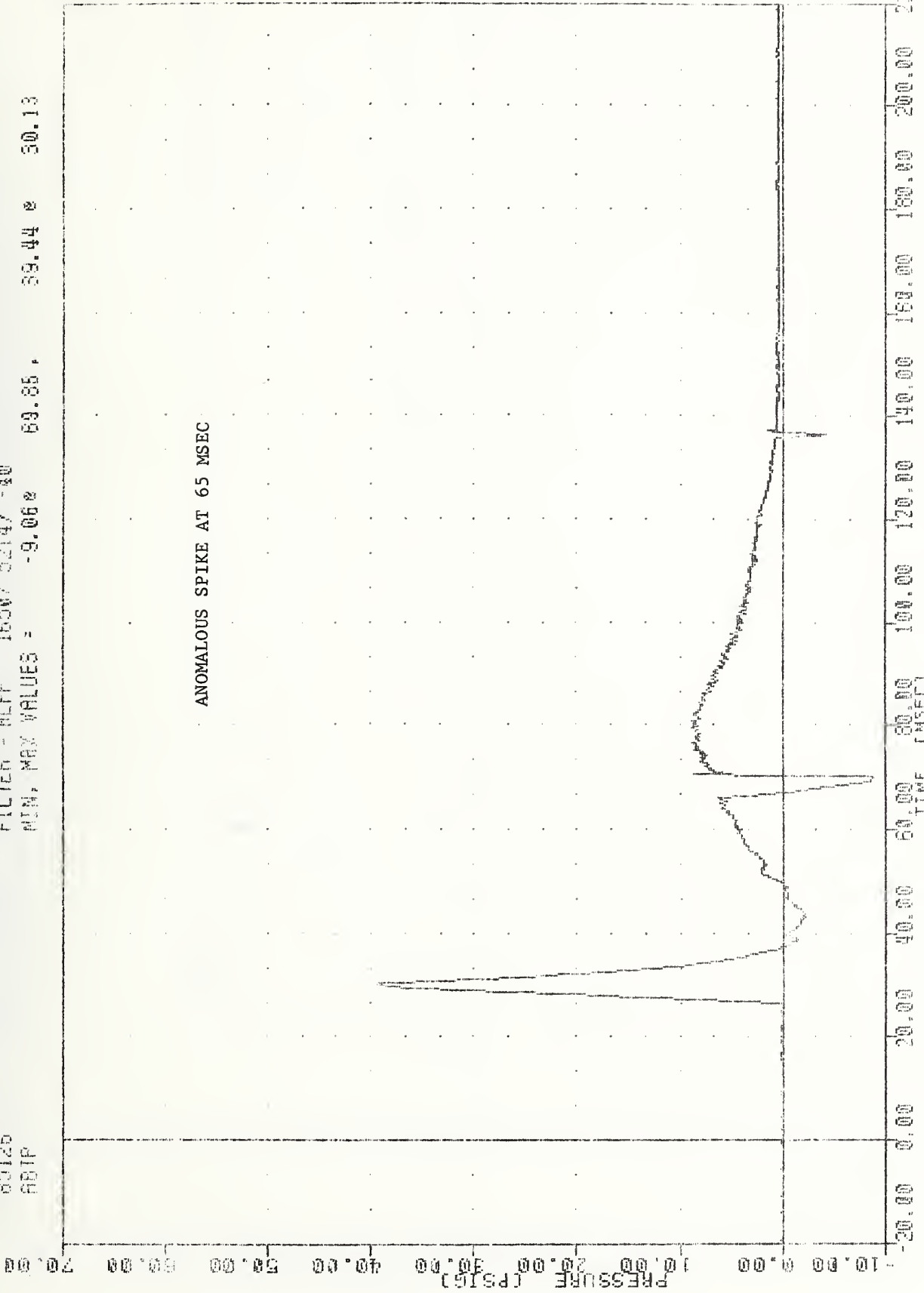
20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA, USING 110102

VRIC 85126
85220 AIRBAG SLED PROGRAM
ADTP

PLOT DATE 7-MS-84 09:32:09

FILTER = RLFF 1650/ 5214/ -40
MIN, MAX VALUES = -9.06e 39.44 e 30.13

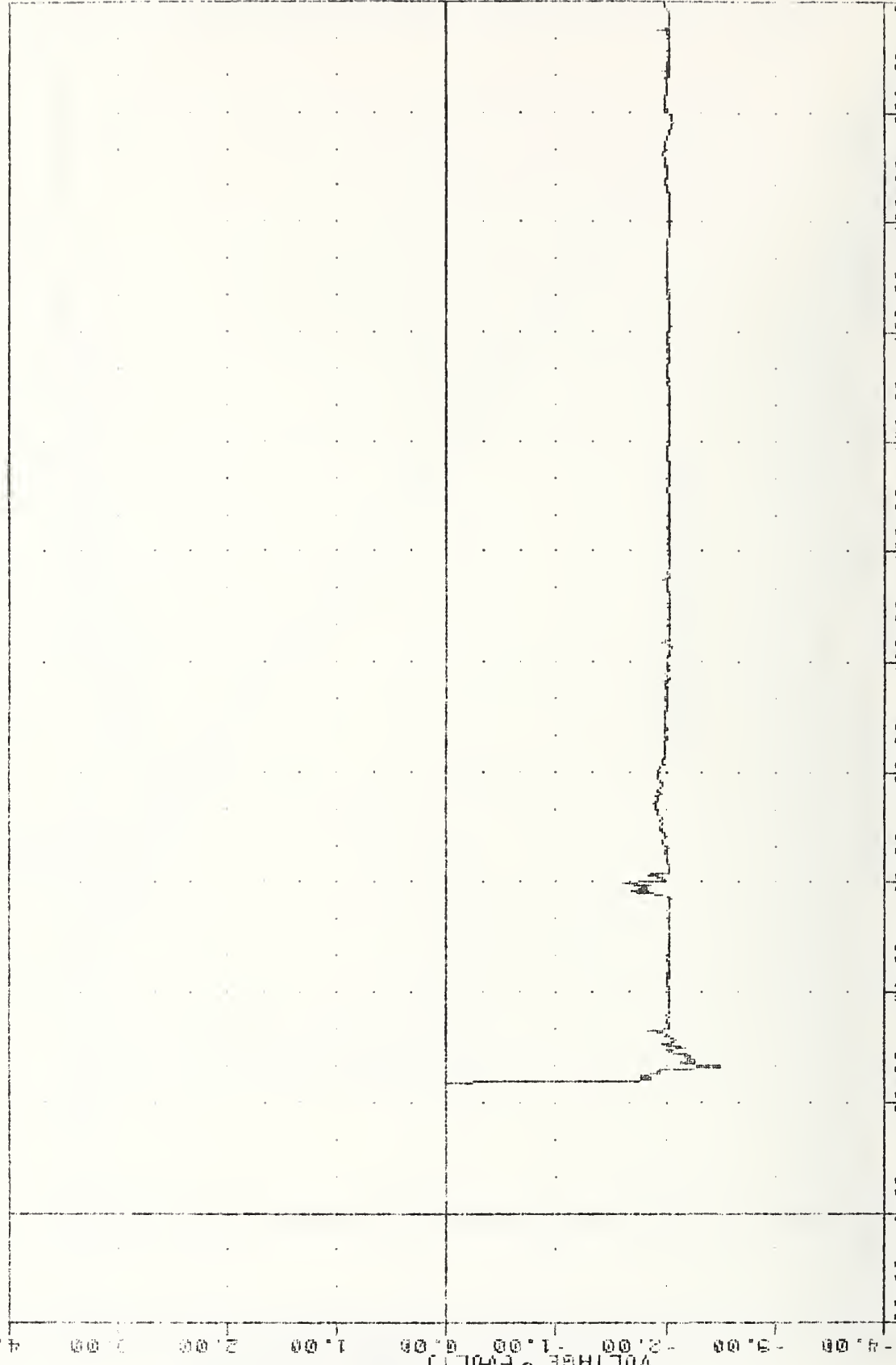


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
AIRBAG PRESSURE

838
VOLTAGE (VOLTS)

65126
ABT1
MIN. MAX VALUES = 26.56 , 0.00 *E -12.68
FILTER = HLPF 1650/ 5214/ -40
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00



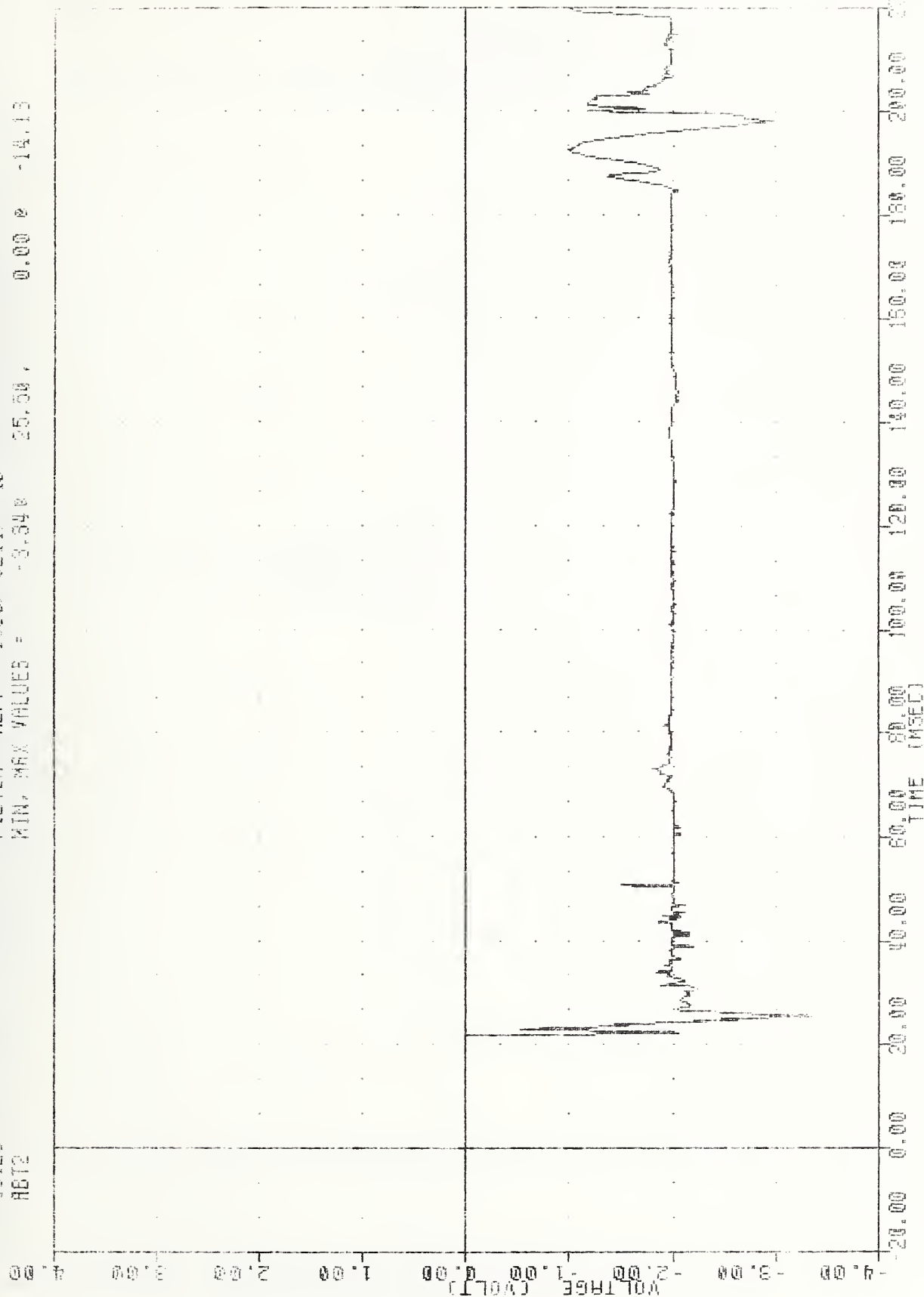
CHEVROLET IMPALA SLED TEST - 30 MPH - 70TH PERCENTILE DUMMY
SENSOR BURNDIPE 1

Y8TC
88584-4-25
SPEED AIRBAG SLED PROGRAM
05126
R6T2

TEST DATE 7 MAY 85 04:30:57

FILTER = ALPF 16507 52147 -40

MIN, MAX VALUES = -3.54e 25.50e 0.00e -14.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SENSOR SUPPLY VOLTAGE

0811 195308 7-MAR-81 09:32:37

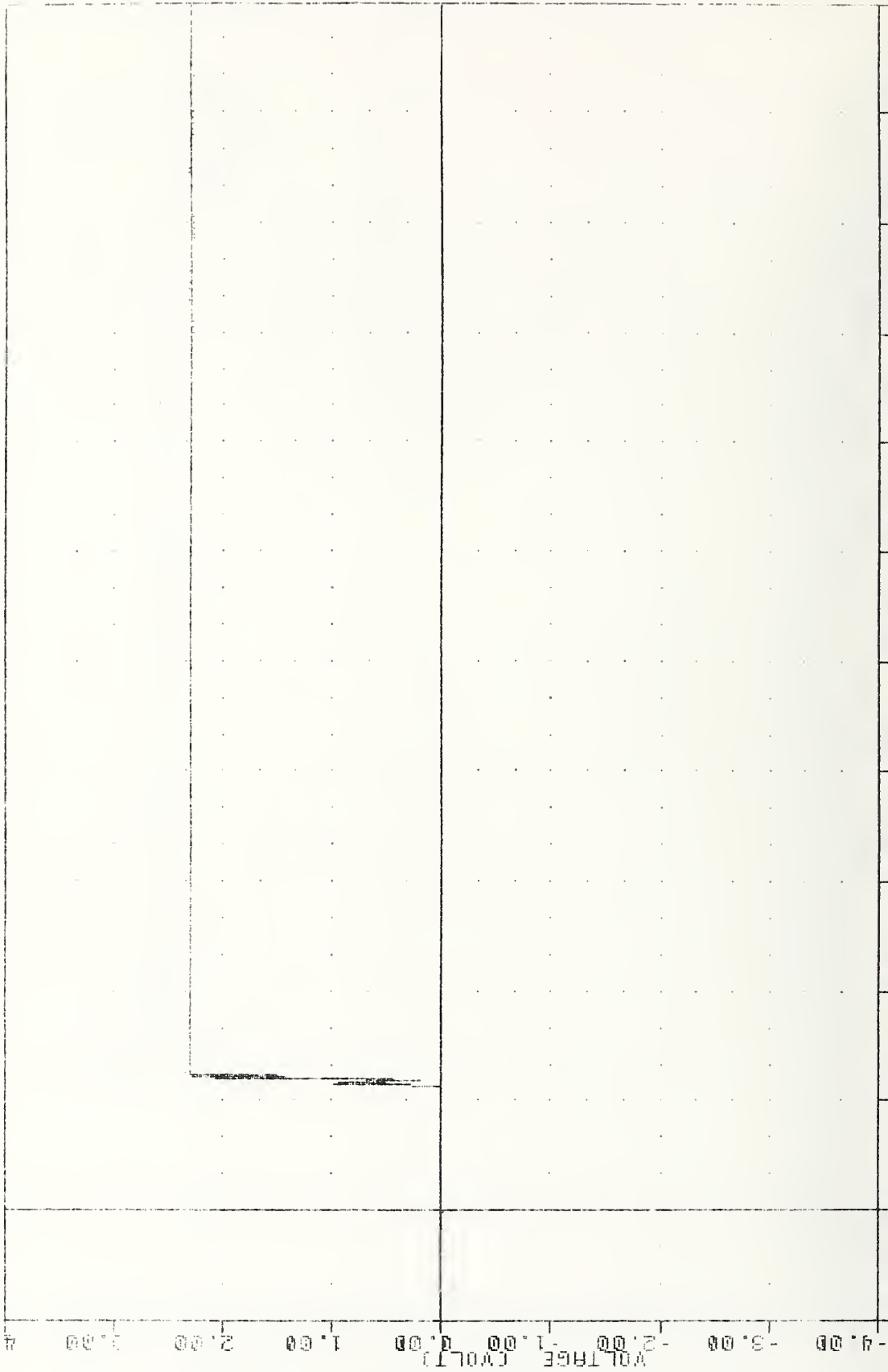
85126 05126

FILTER = ALPF 1650/ 5214/ -10

MIN, MAX VALUES = -0.01% 2.34% 25.0%

RBTS

4.00



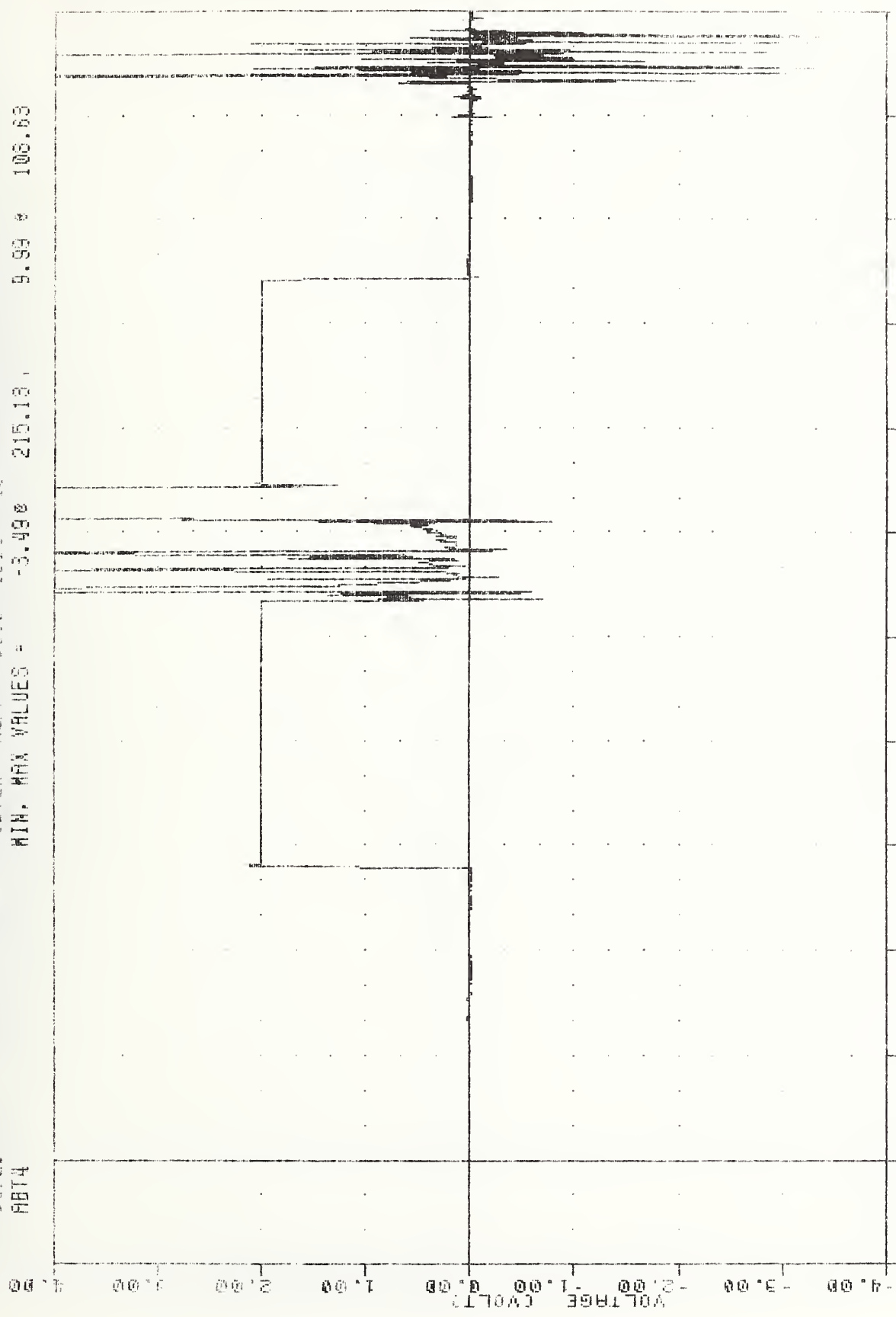
540

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

WIPED COLLAR SENSOR

3811 10/20/84
 BRED AIRBIS SLED PROGRAM
 09128
 RBT4

FILTER = HLPF 1650 50147 40
 MIN. MAX VALUES = -3.490 215.18 9.99 106.68



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (SECS)
 CHEVROLET AIRBIS SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
 VEE UNIT

7:00:25 09:35:25

BREED AIRBAG SLED PROGRAM

85126

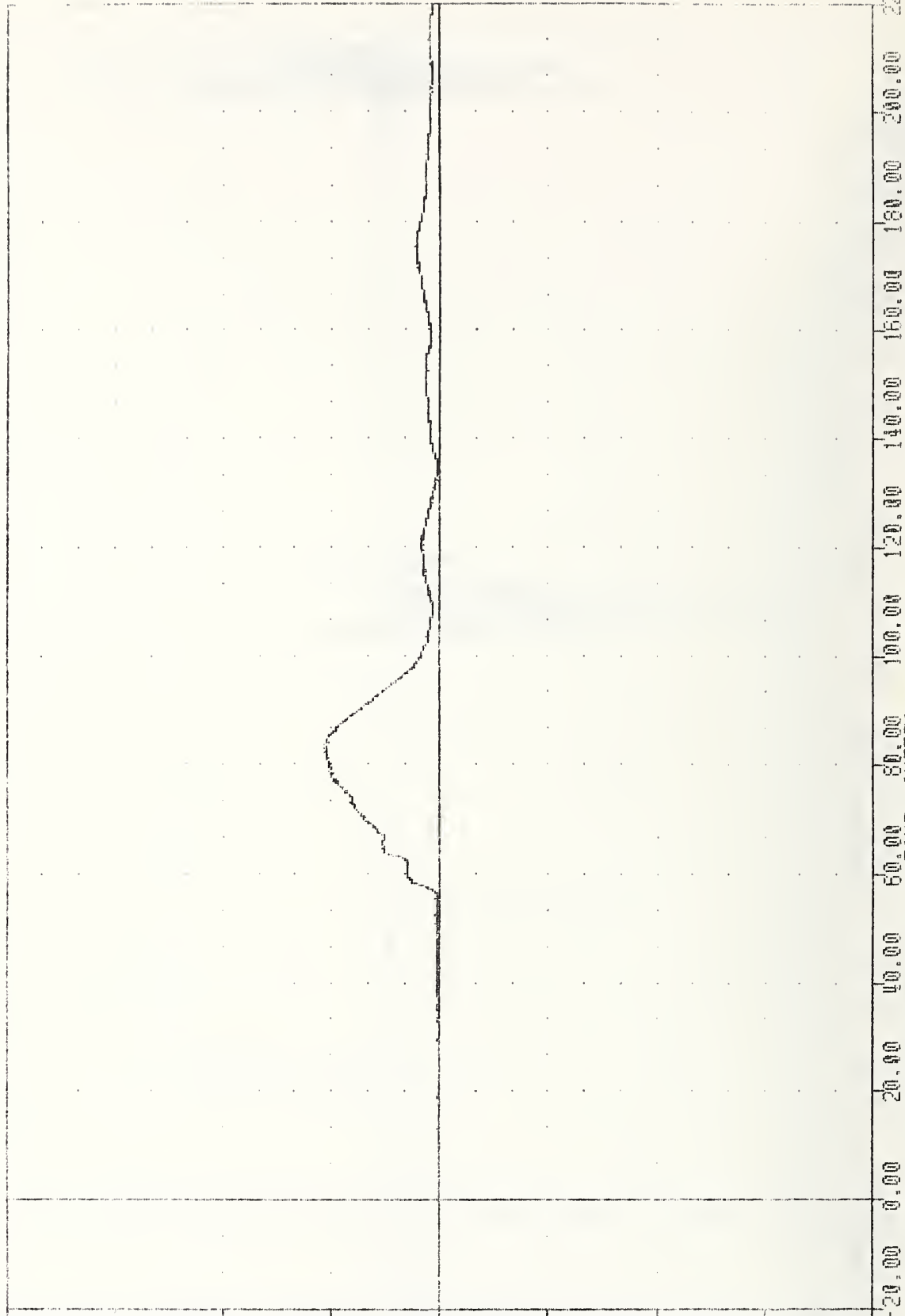
FILTER = ALPF 1650/ 5214/ -40

HEAD01

MIN. MAX VALUES = 0.02g 8.75g

53.01g 89.83g

ACCELERATION (G) -200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00

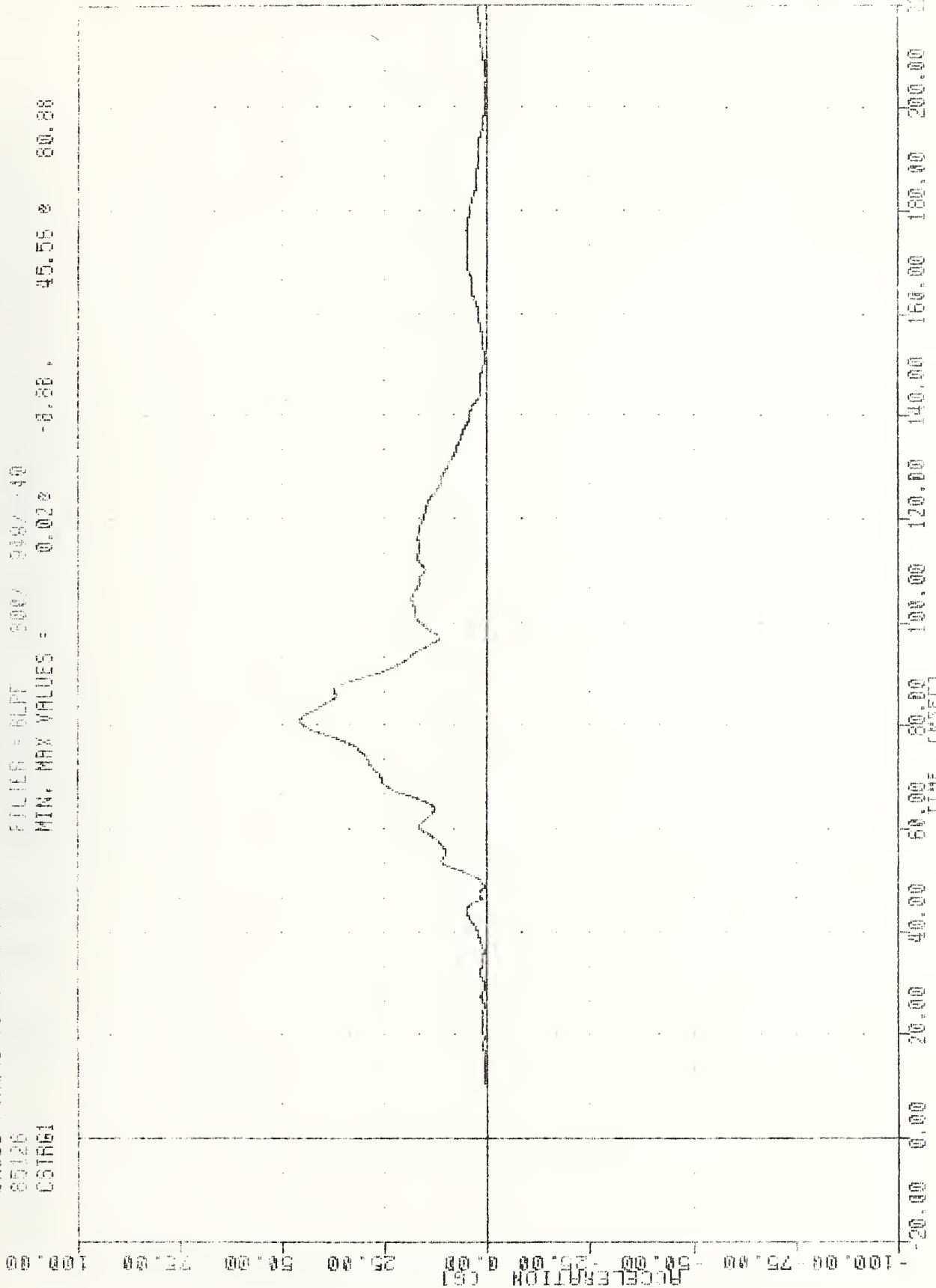


TIME (INSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DRIVER HEAD RESULTANT

701
 SPCD STRES BLEO PROGRAM
 85126
 CSTR61
 FILTER = 6LPT 500/ 919/ 140
 MIN. MAX VALUES = 0.002 -8.88 45.55 80.88

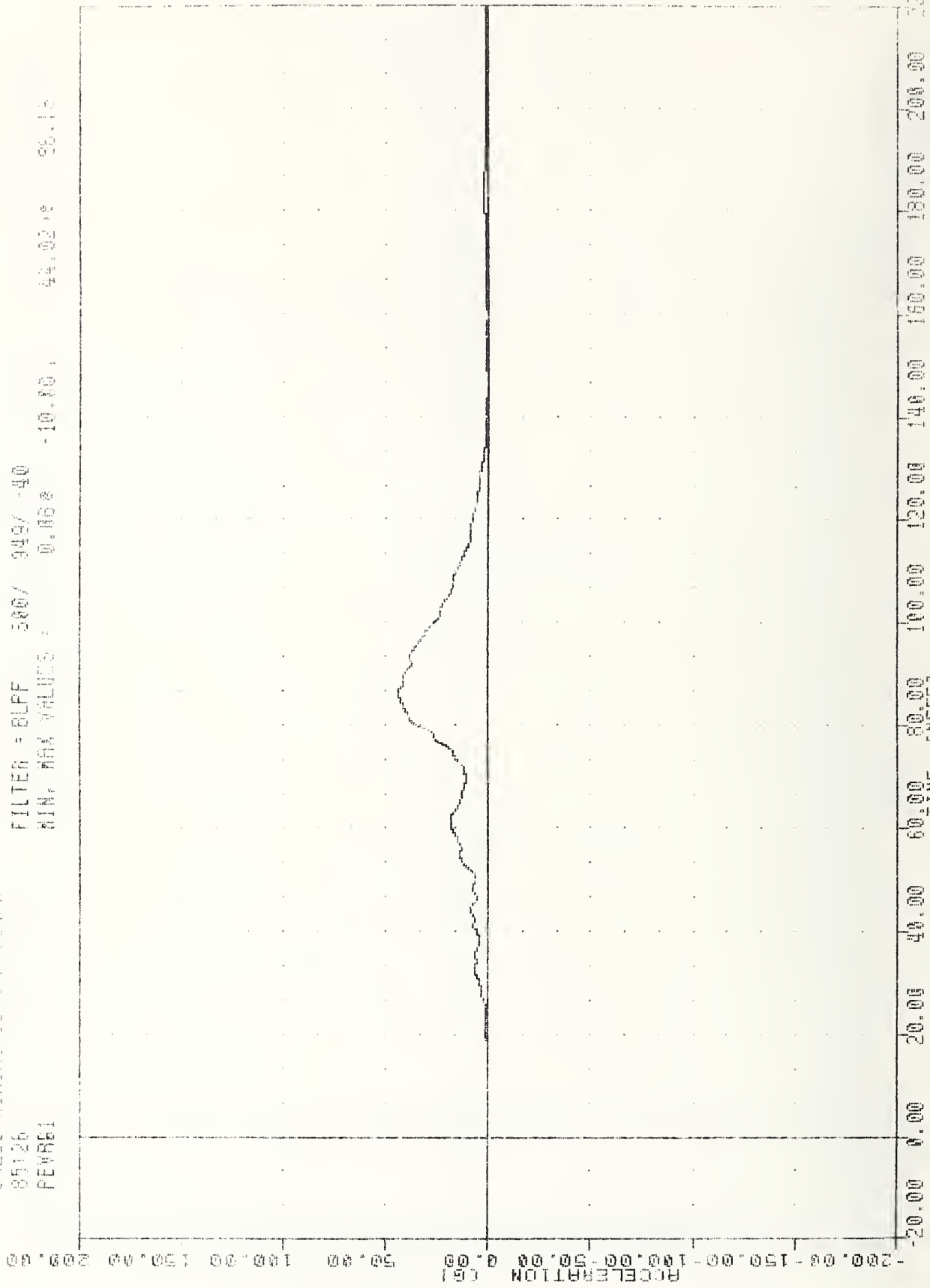


CHEVROLET IMPALA 91.50 TEST @ 90 MPH - F074 PERCENTILE DUMM

DATE: 8/25/84 4:25
DREED AIRBORN GLEO FRANKS
05126
PEVREI

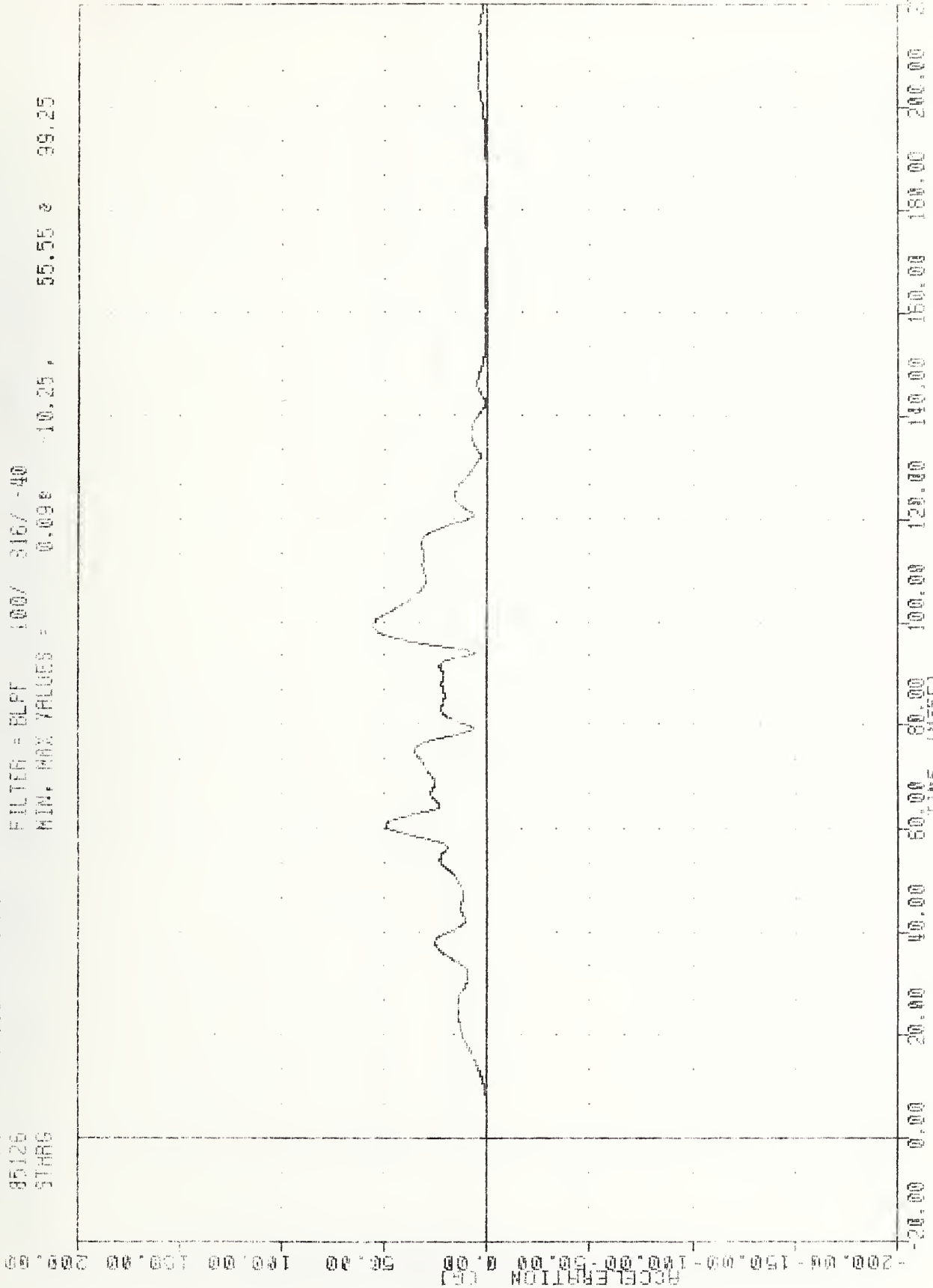
PLAT: 001F 7 001-85 02155 15

FILTER = BLPF 500 / 949 / -40
MIN, MAX VALUES = 0.062 -10.20 44.02 28 96.15



CHEVROLET IMPALU SLEED TEST - 80 MPH - 50TH PERCENTILE DUMM
DUMMIE BELT VIBS REGULATORY

VIB. : 80306 10/24 7:00:00 09:35:25
 38500 34000 3000 34000 34000
 85126 FILTER = BLPF 100/ 316/ -40
 3TRG MIN. MAX VALUES = 0.09e -10.25 , 55.55 e 99.25



CHEVROLET IMPALD BLEED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 POLYSEAL COLUMN HIF REPORT

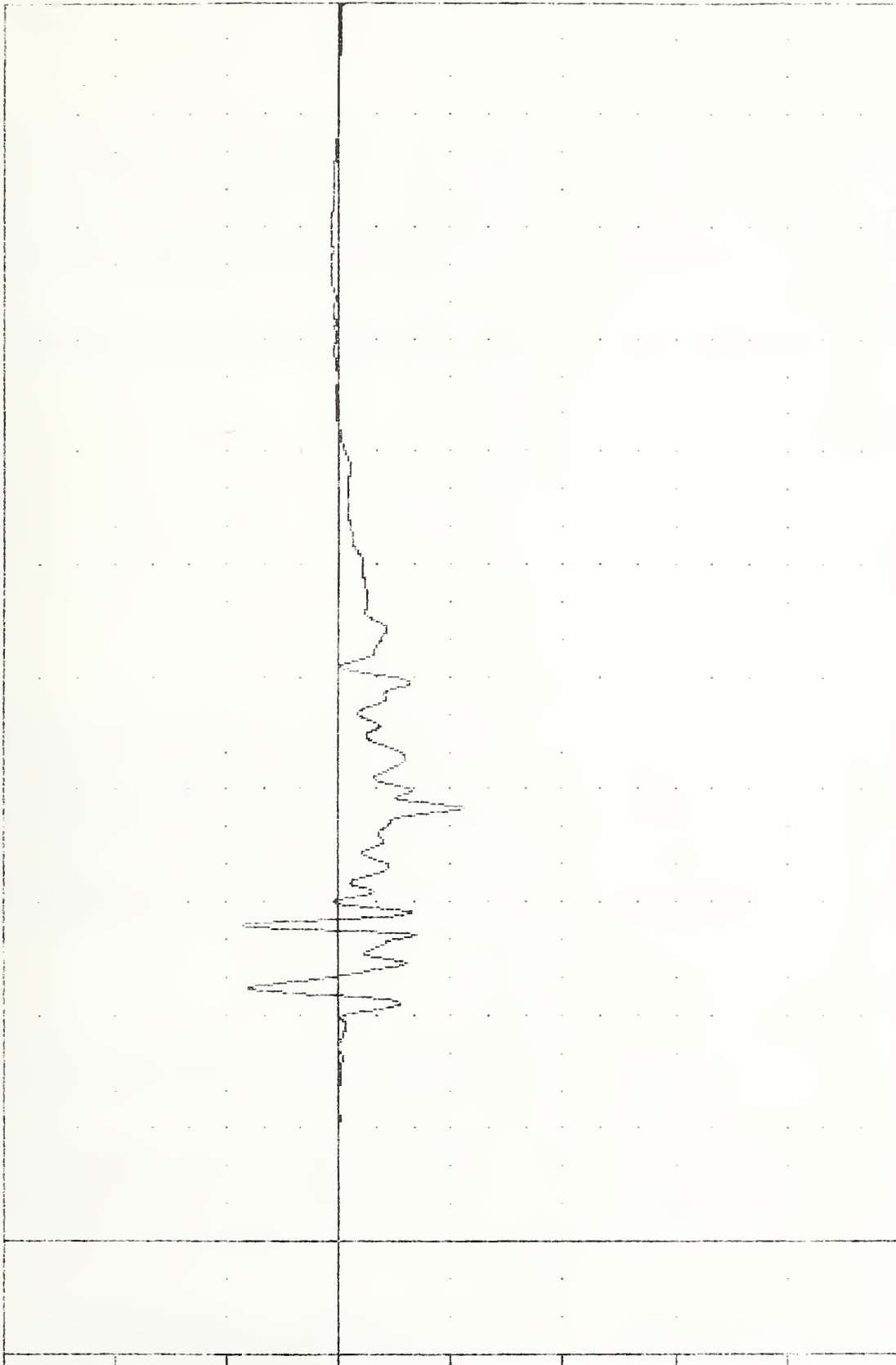
09:52:37 7-MAY-85

USIXG1
85126
BREED HIRBRS SLED PROGRAM

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -90.29e 76.63 , 68.55 e 55.75

ACCELERATION (G)

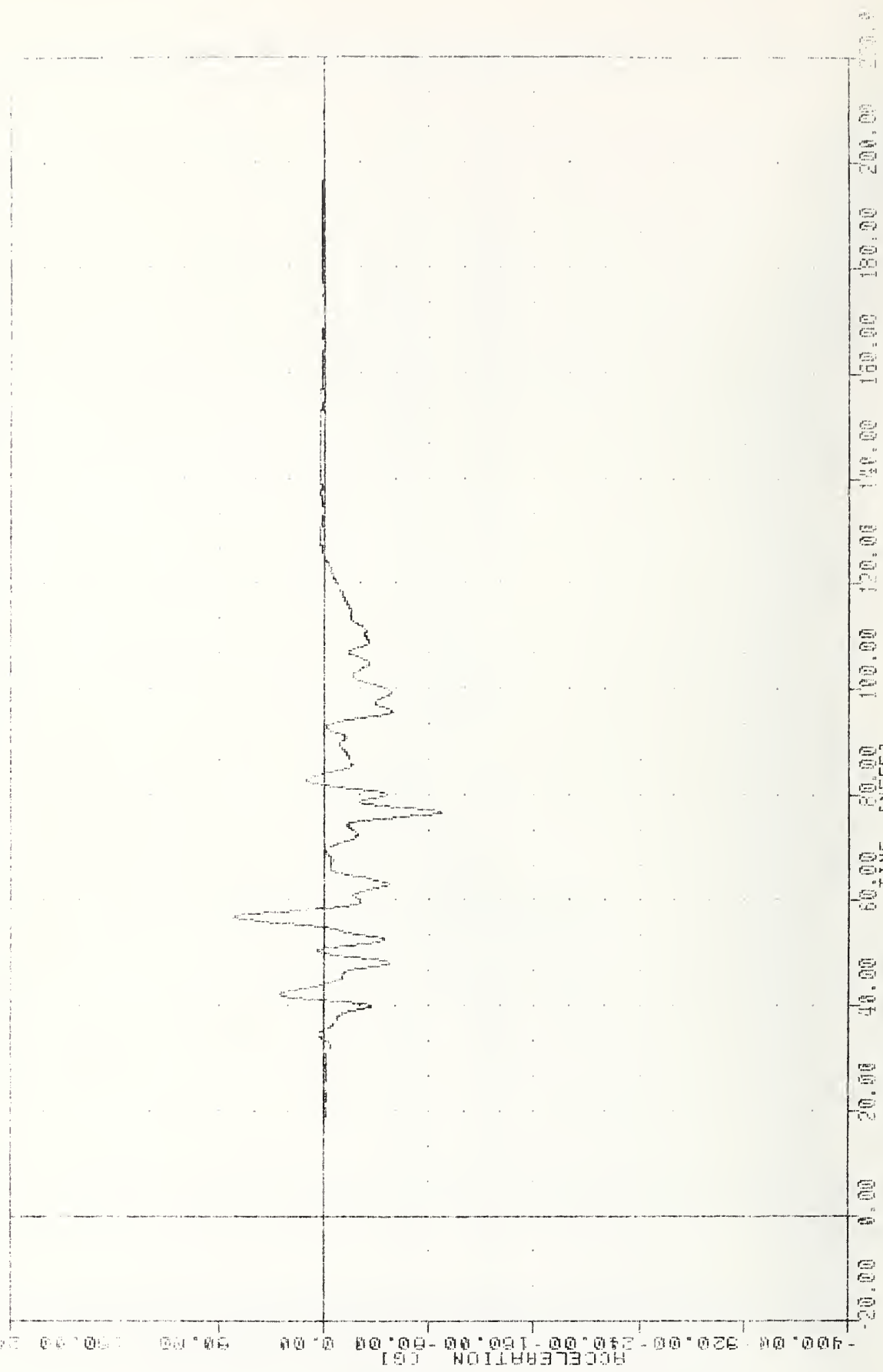


220.00 200.00 180.00 160.00 140.00 120.00 100.00 80.00 60.00 40.00 20.00 0.00 -20.00 -40.00 -60.00 -80.00 -100.00 -120.00 -140.00 -160.00 -180.00 -200.00 -240.00 -400.00

CHEVROLET IMP910 SLED TEST - 30 MPH 50TH PERCENTILE DUMMY
DEPT. OF TRANSPORTATION, NHTSA, WASH. DC

001
0020 RIBBON SLED Experiment
00126
LSTX61

FILTER = BLPF 3000 444 40
MIN, MAX VALUES = -90.000 76.63 70.55 * 56.75



CHEVROLET IMPACT TEST 30 MPH 70TH PERCENTILE DUMMY
DRIVER LOWER STRAPLINE IMPACTOR 10000001 0000

TRC433P. RAD; 1
VRTC
85127

RD384-4-26 BREED AIRBAG SLED PROGRAM
30.00 mph 7-MAY-85 14:10

	Min value	Max value	Data Units	Filter
1	0.046 @	-0.625 msec	volt	ALPF 1650/ 5214/ -40
2	-32.901 @	0.190 @	mph	ALPF 100/ 316/ -40
3	-23.489 @	0.603 @	g	BLPF 100/ 316/ -40
4	-53.261 @	2.250 @	g	ALPF 1650/ 5214/ -40
5	-2.137 @	2.559 @	g	ALPF 1650/ 5214/ -40
6	-11.477 @	7.704 @	g	ALPF 1650/ 5214/ -40
7	-56.523 @	3.577 @	g	BLPF 300/ 949/ -40
8	-1.591 @	2.779 @	g	BLPF 300/ 949/ -40
9	-4.331 @	2.234 @	g	BLPF 300/ 949/ -40
10	-111.874 @	27.141 @	g	BLPF 300/ 949/ -40
11	-57.141 @	8.424 @	g	BLPF 300/ 949/ -40
12	-46.326 @	1.788 @	g	BLPF 300/ 949/ -40
13	-5.032 @	5.406 @	g	BLPF 300/ 949/ -40
14	-17.740 @	1.178 @	g	BLPF 300/ 949/ -40
15	-787.633 @	23.043 @	lb	BLPF 1000/ 3162/ -40
16	-396.589 @	18.123 @	lb	BLPF 1000/ 3162/ -40
17	-104.474 @	36.898 @	g	BLPF 100/ 316/ -40
18	-12.289 @	20.705 @	g	BLPF 100/ 316/ -40
19	-25.932 @	48.078 @	g	BLPF 100/ 316/ -40
20	-23.223 @	0.628 @	g	BLPF 100/ 316/ -40
21	-2.170 @	2.129 @	g	BLPF 100/ 316/ -40
22	-1.419 @	1.942 @	g	BLPF 100/ 316/ -40
23	-0.647 @	1315.222 @	lb	BLPF 100/ 316/ -40
24	-2.199 @	33.145 @	psi	ALPF 1650/ 5214/ -40
25	-8.232 @	0.304 @	volt	ALPF 1650/ 5214/ -40
26	-4.820 @	0.530 @	volt	ALPF 1650/ 5214/ -40
27	-0.003 @	2.347 @	volt	ALPF 1650/ 5214/ -40
28	-0.470 @	2.161 @	volt	ALPF 1650/ 5214/ -40

549

TRC433IP. RAD; 1
VRTC
85127

RD384-4-26 BREED AIRBAG SLED PROGRAM
30.00 mph 7-MAY-85 14:10

	Min value	Max value	Data Units	Filter
1	-40.376 @	0.893 @	mph	BLPF 300/ 949/ -40
2	-55.470 @	0.404 @	in	BLPF 300/ 949/ -40
3	-38.661 @	0.006 @	mph	BLPF 300/ 949/ -40
4	-59.433 @	0.006 @	in	BLPF 300/ 949/ -40
5	-32.509 @	-0.346 @	mph	BLPF 300/ 949/ -40
6	-56.705 @	-0.196 @	in	BLPF 300/ 949/ -40
7	-32.518 @	-0.001 @	mph	BLPF 300/ 949/ -40
8	-62.508 @	0.000 @	in	BLPF 300/ 949/ -40
9	-27.692 @	-0.255 @	mph	BLPF 300/ 949/ -40
10	-45.097 @	-0.132 @	in	BLPF 300/ 949/ -40
11	-31.919 @	-0.001 @	mph	BLPF 300/ 949/ -40
12	-60.445 @	-0.001 @	in	BLPF 300/ 949/ -40

TRC433RP. RAD; 1
VRTC
85127

RD384-4-26 BREED AIRBAG SLED PROGRAM
30.00 mph 7-MAY-85 14:10

	Min value	Max value	Data Units	Filter
1	0.037 @	53.295 @	g	ALPF 1650/ 5214/ -40
2	0.007 @	56.525 @	g	BLPF 300/ 949/ -40
3	0.026 @	49.590 @	g	BLPF 300/ 949/ -40
4	0.070 @	114.180 @	g	BLPF 100/ 316/ -40
5	0.058 @	23.241 @	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC433RP.RAD;1
VRTC RD384-4-26 BREED AIRBAG SLED PROGRAM
85127 30.00 mph

* * * HIC computation for HEDRG1

7-MAY-85 14:14

Using time range = 0.000 to 97.250 msec Peak accel = 53.30 @ 79.000

HIC = 295.76 Interval from 65.500 [685] to 89.500 [877]

HIC = 260.51 Interval from 69.500 [717] to 84.500 [837]

R SYSF:THREEMS

*** Three ms clip program for chest resultant channel ***

THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC433RF

File TRC433RF -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921; DeltaX = 0.125000
VRTC RD384-4-26 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 FEVRG1 STRG1 LFRG1

Enter channel name -> CSTRG1

[SLED,BREED]TRC433RF.RAD;1 VRTC RD384-4-26
BREED AIRBAG SLED PROGRAM 30.0 mph 85127 7-MAY-85 14:14:19
DeltaX: 0.125

3 MS CLIP PEAK: 53.55353

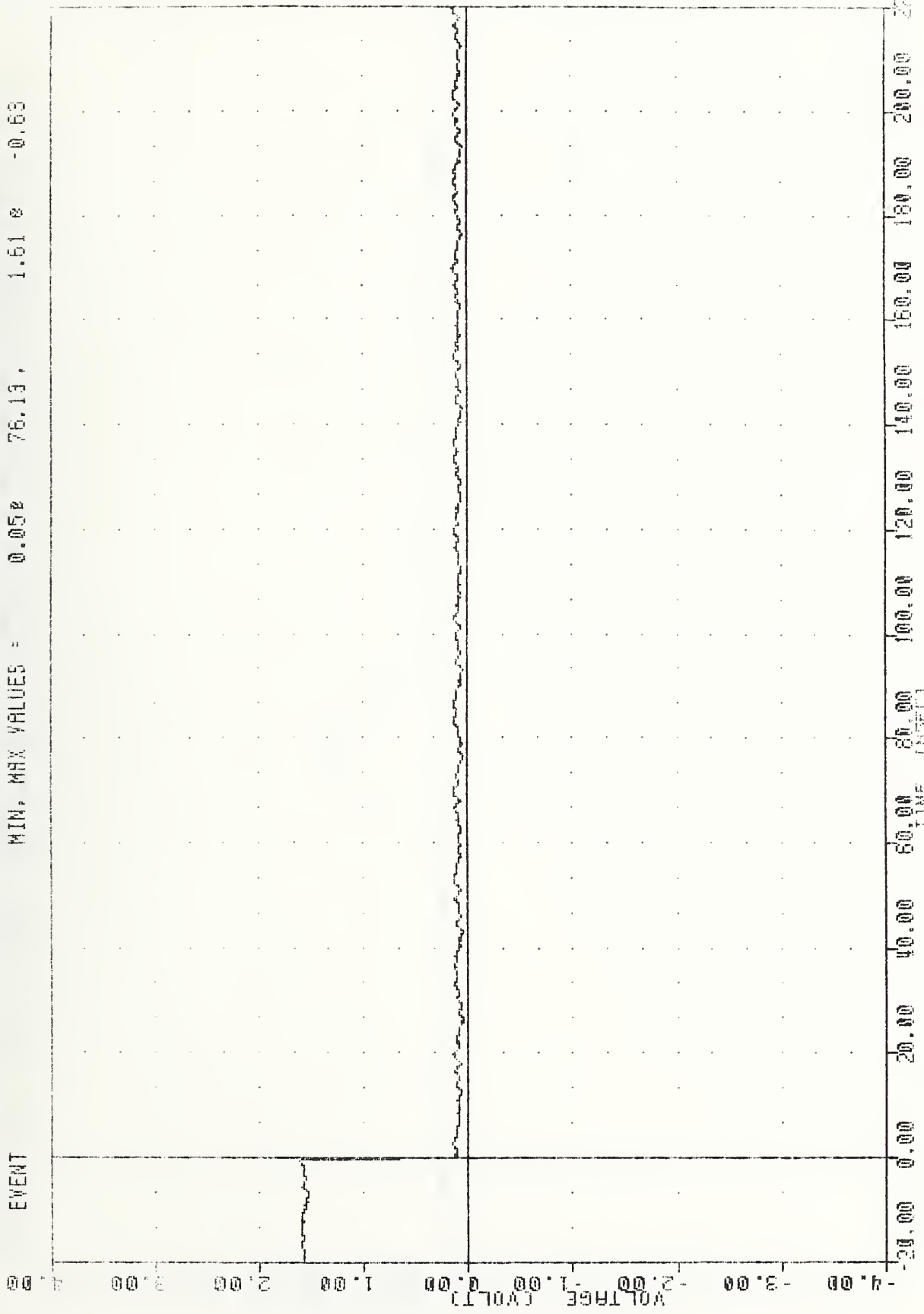
Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> EXIT

Enter input filespec -> EXIT

‡

VRTC 760 044 28 PLOT DATE 7 MAY 85 13:25:02
 BREED AIRBAG SLED PROGRAM
 85127 FILTER = ALFF 1650/ 5214/ -40
 EVENT MIN, MAX VALUES = 0.05e 76.13, 1.61 e -0.63

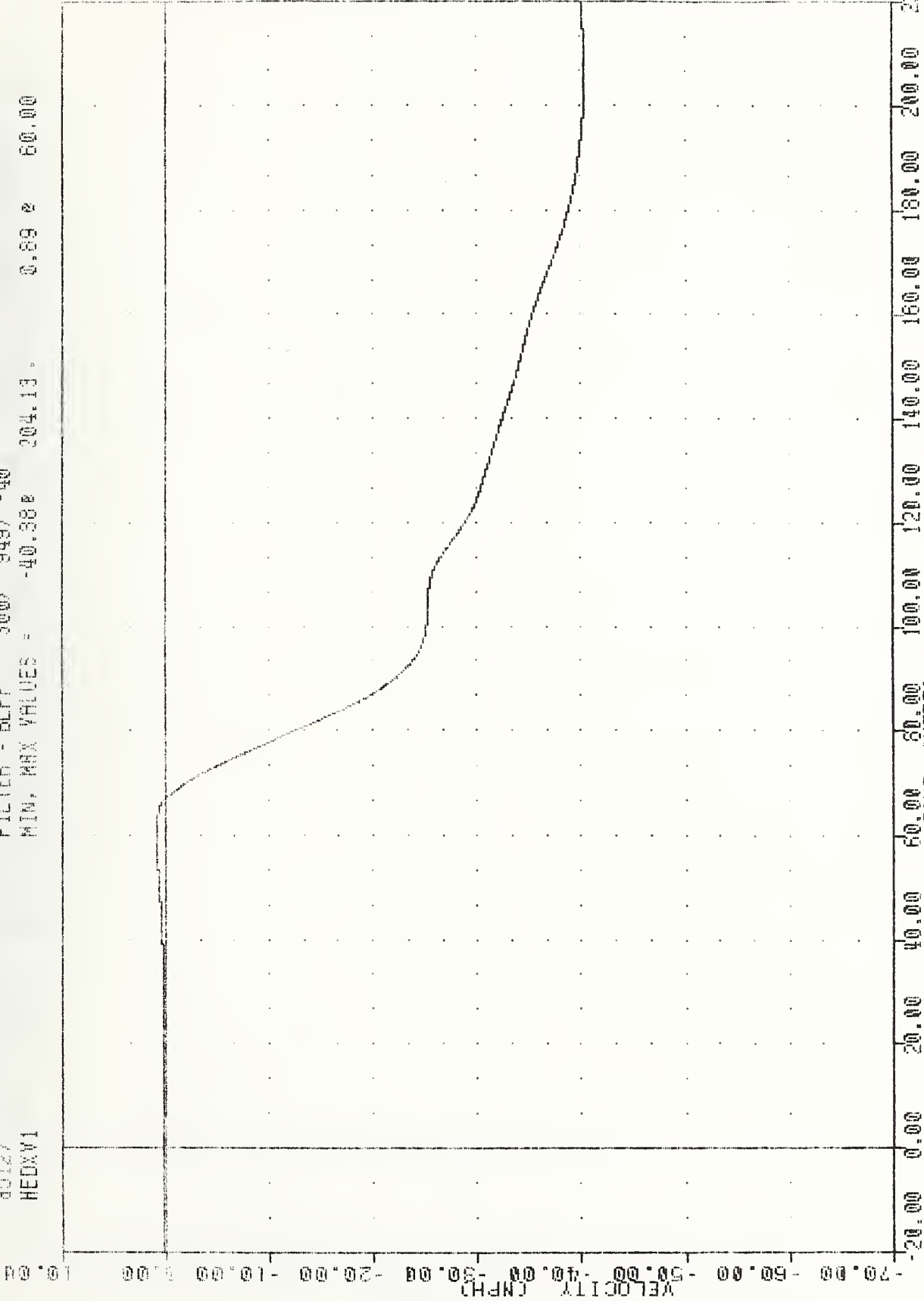


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 1.61V

Y816 , R0504-4-26
BASED AIRING SLED PROGRAM
35127
HEDXV1

PLOT DATE 7-MAY-85 15:29:51

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -40.38 204.13 0.89 2 60.00

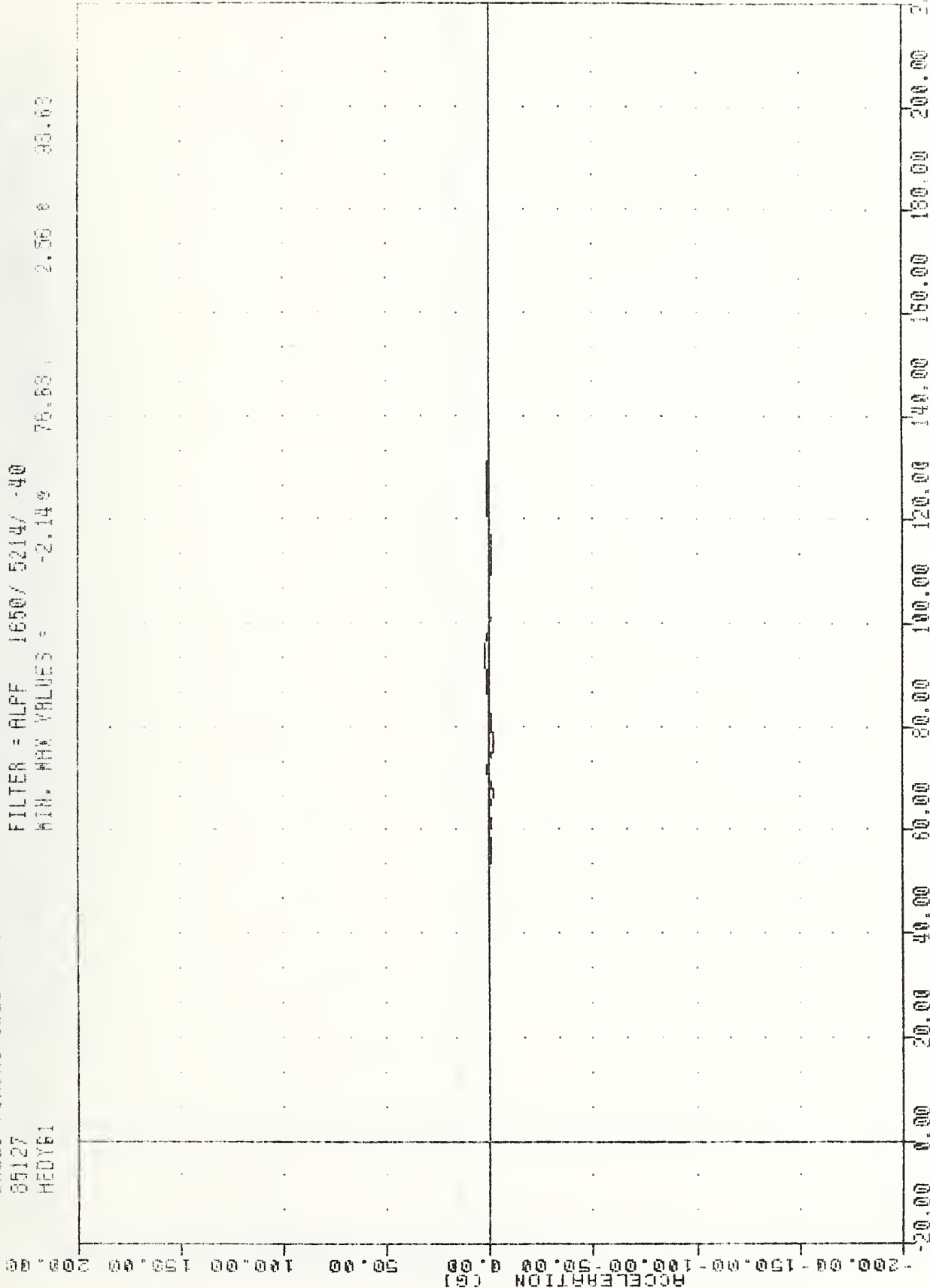


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DELTA V BEING 480Y81

VATIC 80384-4-26
 BASED P18316 S1E2 PROGRAM
 85127
 HEDY61

PLOT DATE 7-MAY-65 15:25:02
 FILTER = ALPF 1650/ 5214/ -40
 MIN. MAX VALUES = -2.14% 75.83% 2.56% 85.63



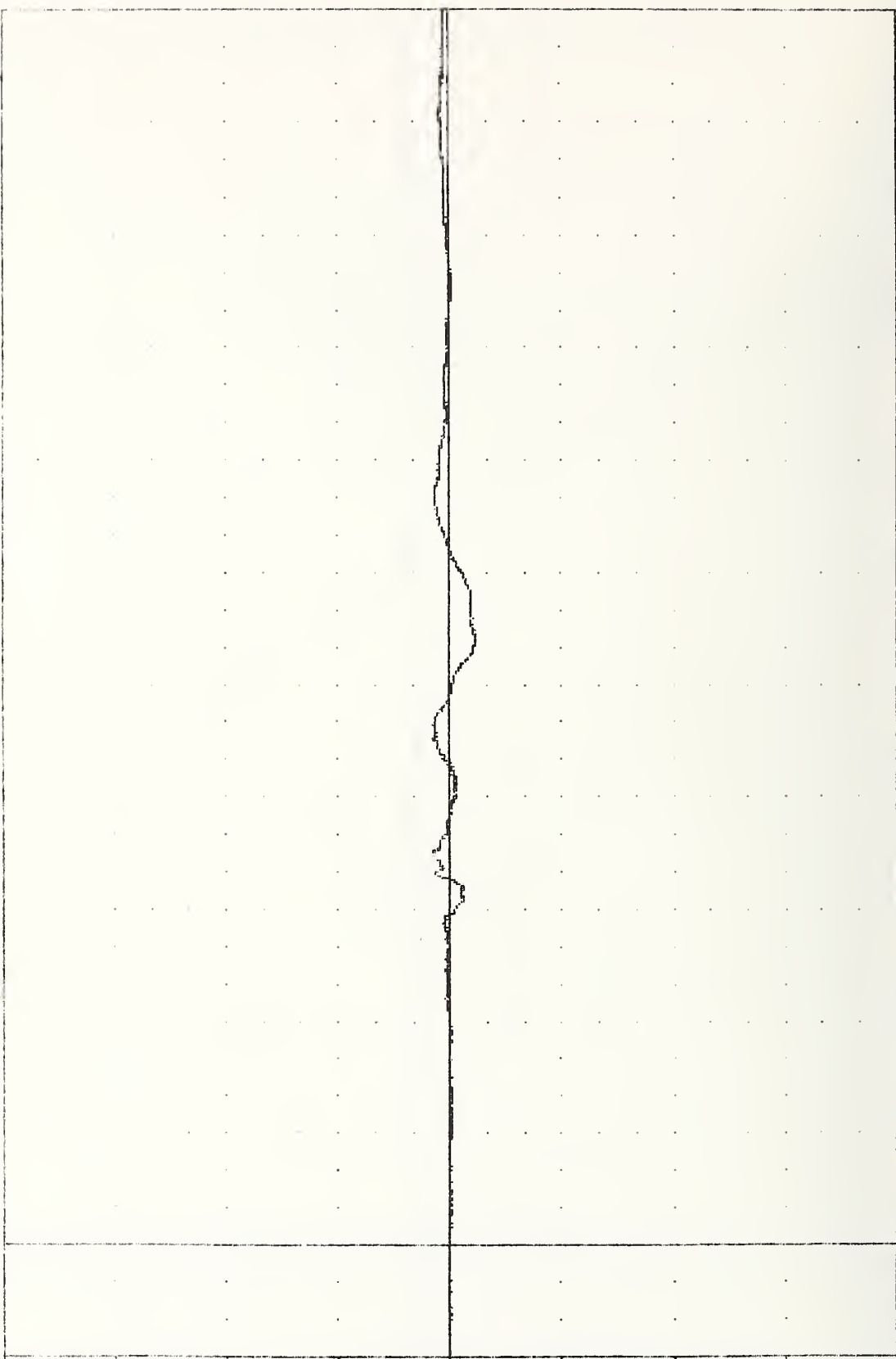
CHEVROLET IMPALA SLED TEST - 30 MPH 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION - X AXIS

VRTC
BR560 214040
85127
REDT61

FILTER = MLP 1650/ 5214/ 40
MIN, MAX VALUES = -11.489 107.13

7.70 e+ 90.25

ACCELERATION [G] -200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00

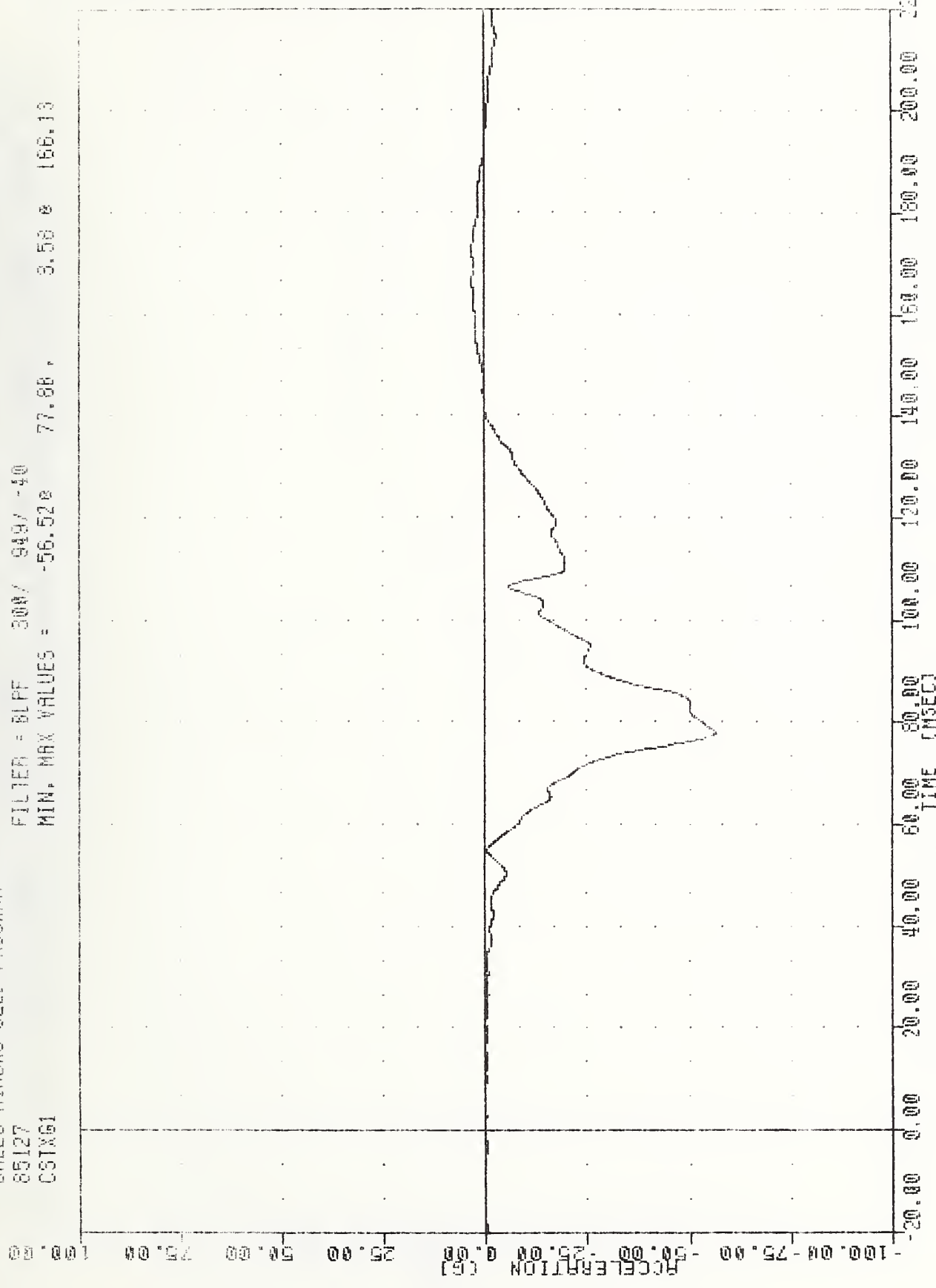


0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION [G]

V81C , 80384-4-75
BREED AIRBAG SLED PROGRAM
85127
CSTX61

PL01 DATE 7-MAY 85 15:25:40
FILTER = 8LFF 30N/ 949/ -40
MIN. MAX VALUES = -56.52e 77.88e 3.58e 166.13



CHEVROLET IMPALA SLED TEST 80 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

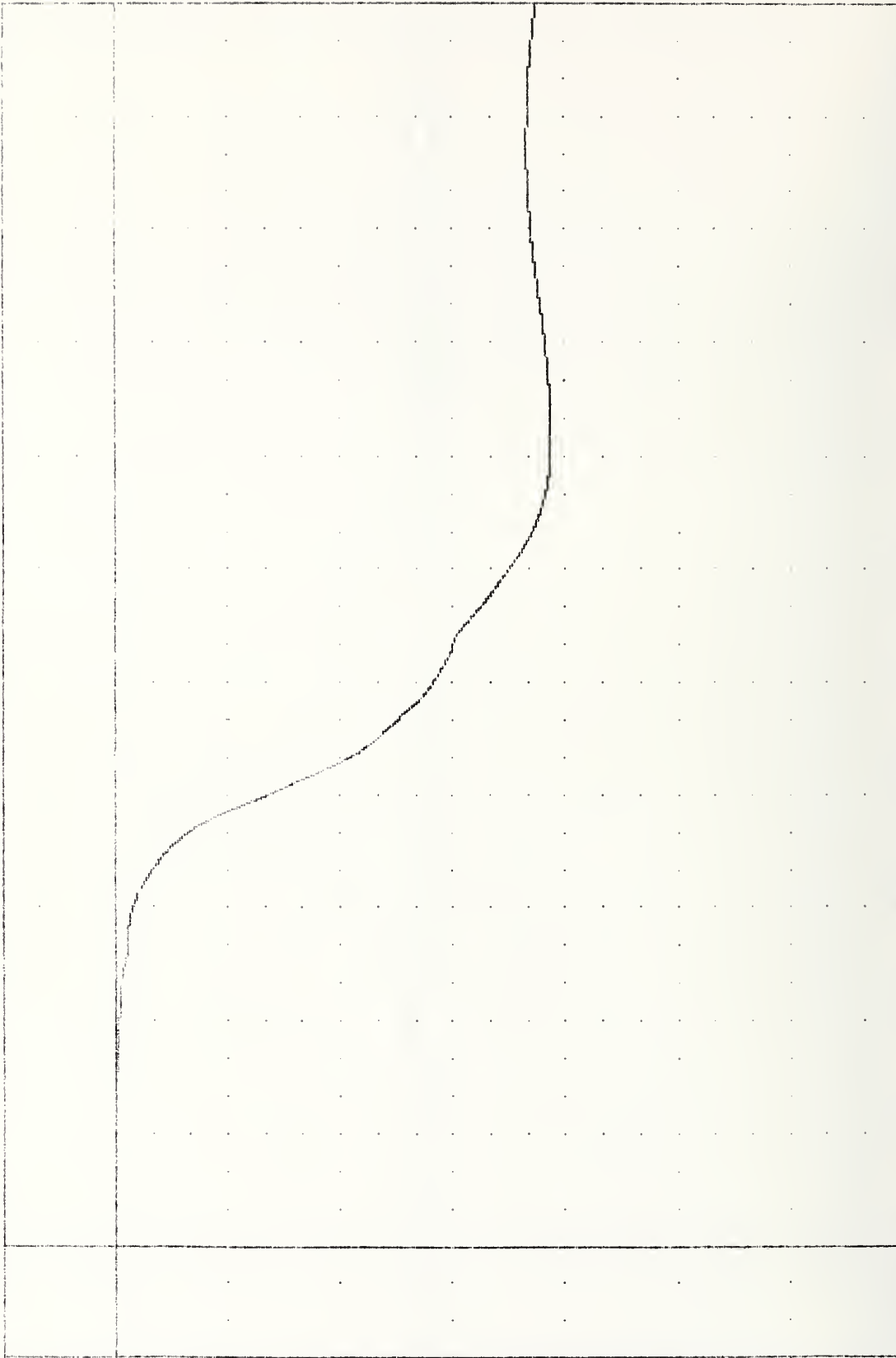
VRTC 10/20/84 4:00 PM
BREED IMPALA SLED PROGRAM

89127
CSTXV1

FILTER = DIFF 3007 9497 -40

MIN, MAX VALUES = -38.86e 142.00 0.01 e -3.88

VELOCITY (MPH) -70.00 -60.00 -50.00 -40.00 -30.00 -20.00 -10.00 0.00 10.00

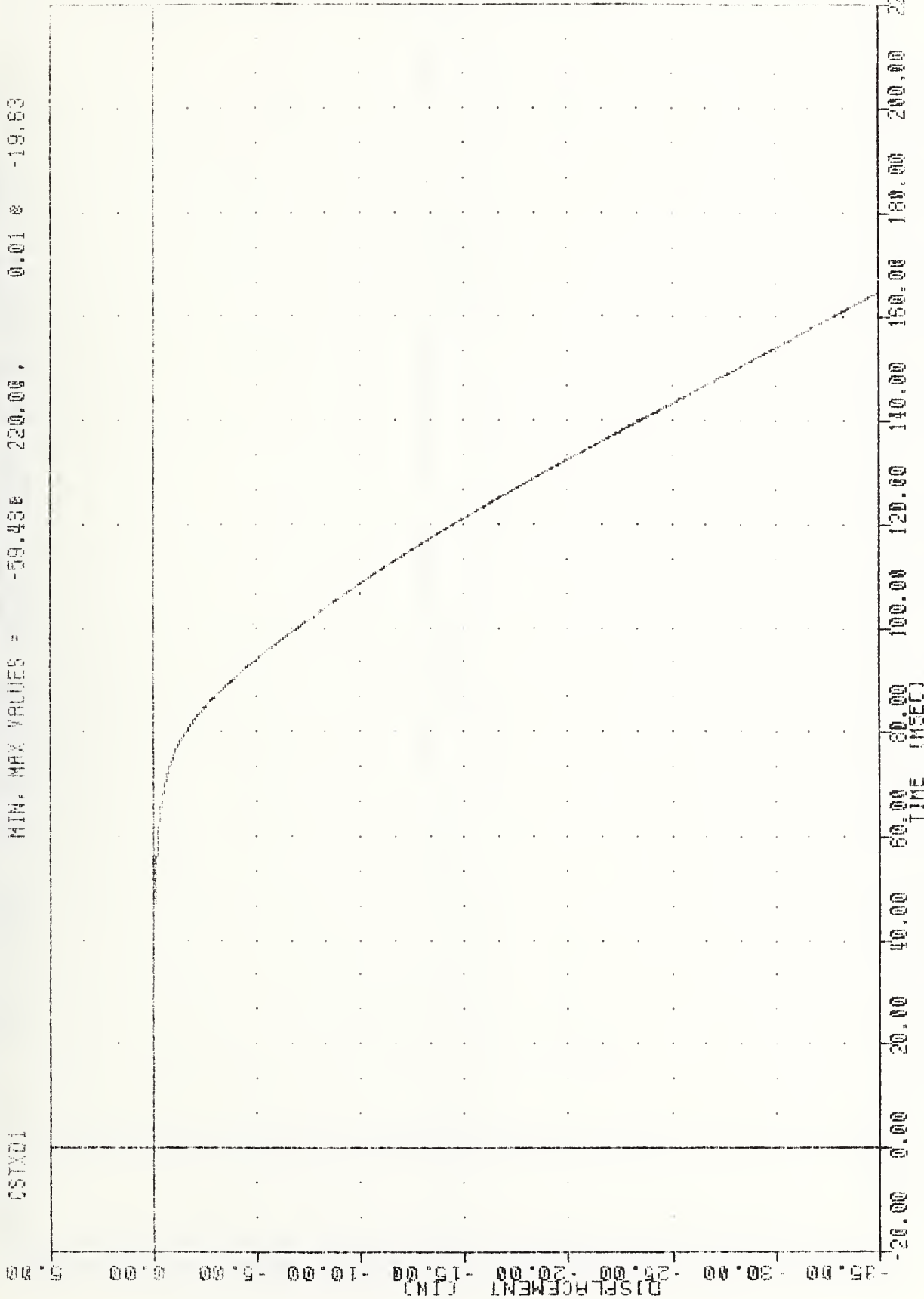


20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

558

CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE GUM
DELTA 1.00E-01

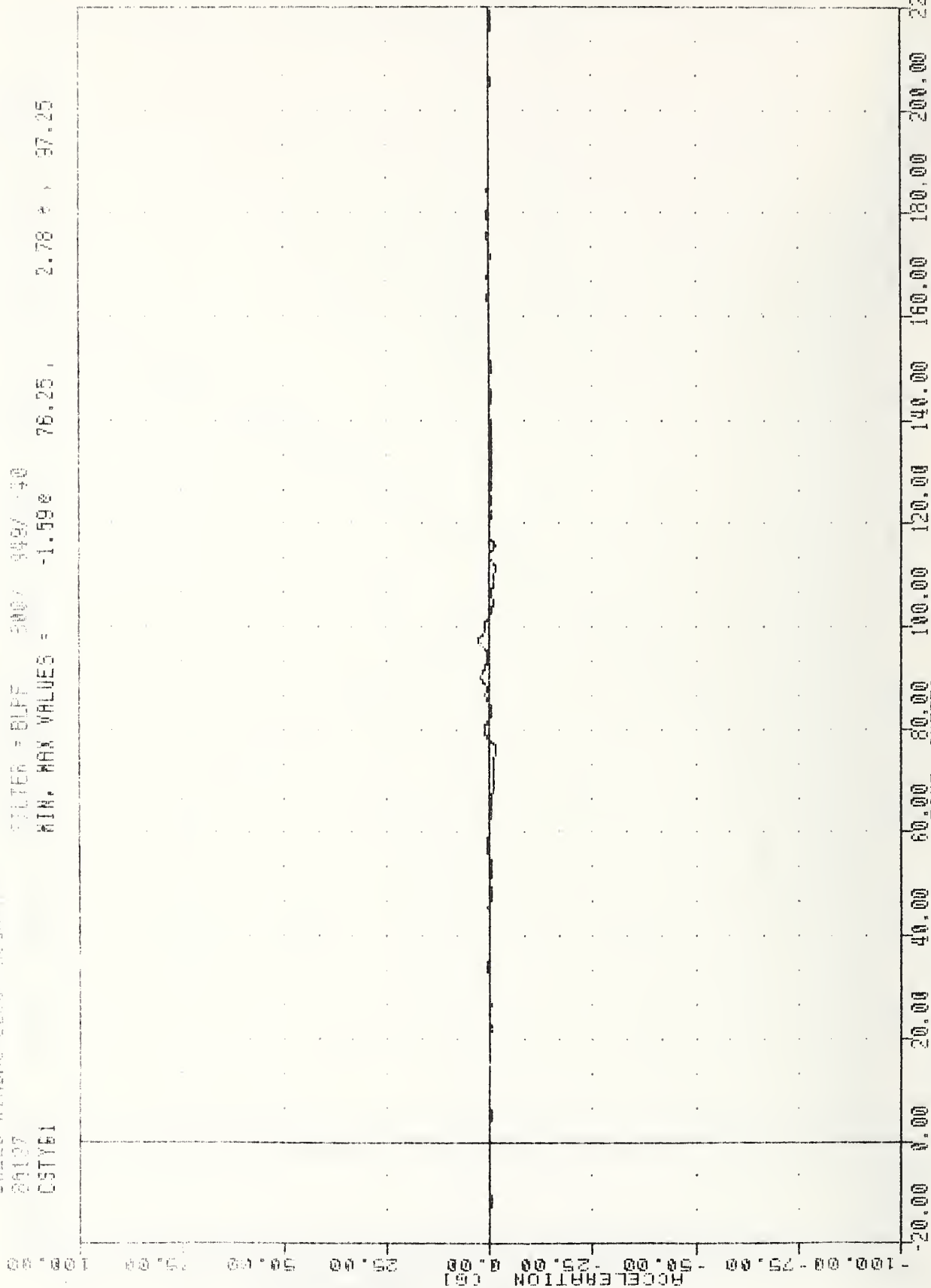
VBI
 BREED AIRBAG SLED PROGRAM
 85127
 CSTXD1
 7-MAY-85 15:29:51
 FILTER = 0LPI 300/ 949/ -40
 MIN. MAX VALUES = -59.43E 220.00E 0.01E -19.63



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
 DELTA USING CSTXD1

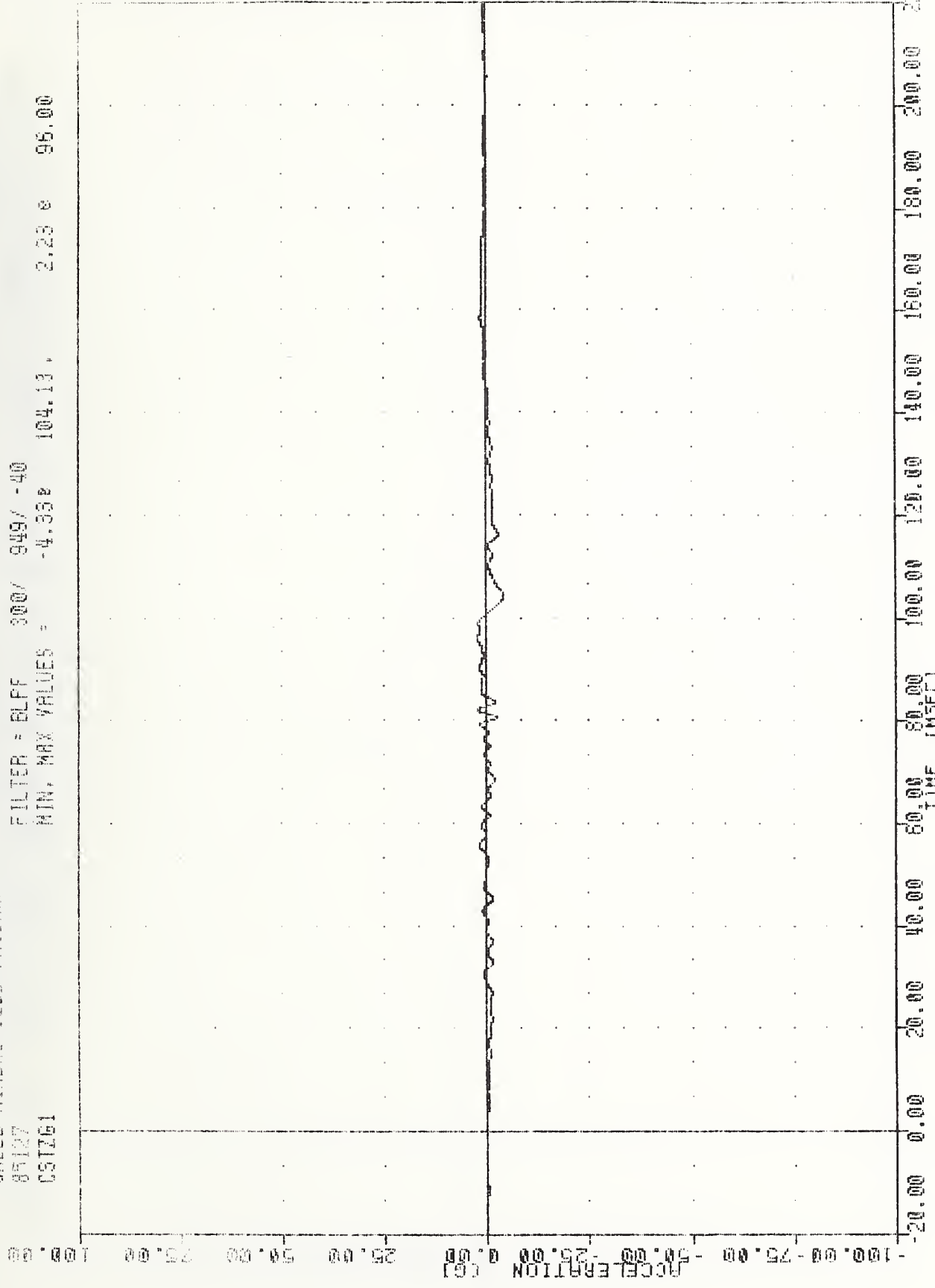
VBI
 BREED AIRBAG SLED PROGRAM
 29127
 CSTY51

FILTER = BLPF 3007 9497 140
 MIN. MAX VALUES = -1.59g 76.25 2.78 g 97.25



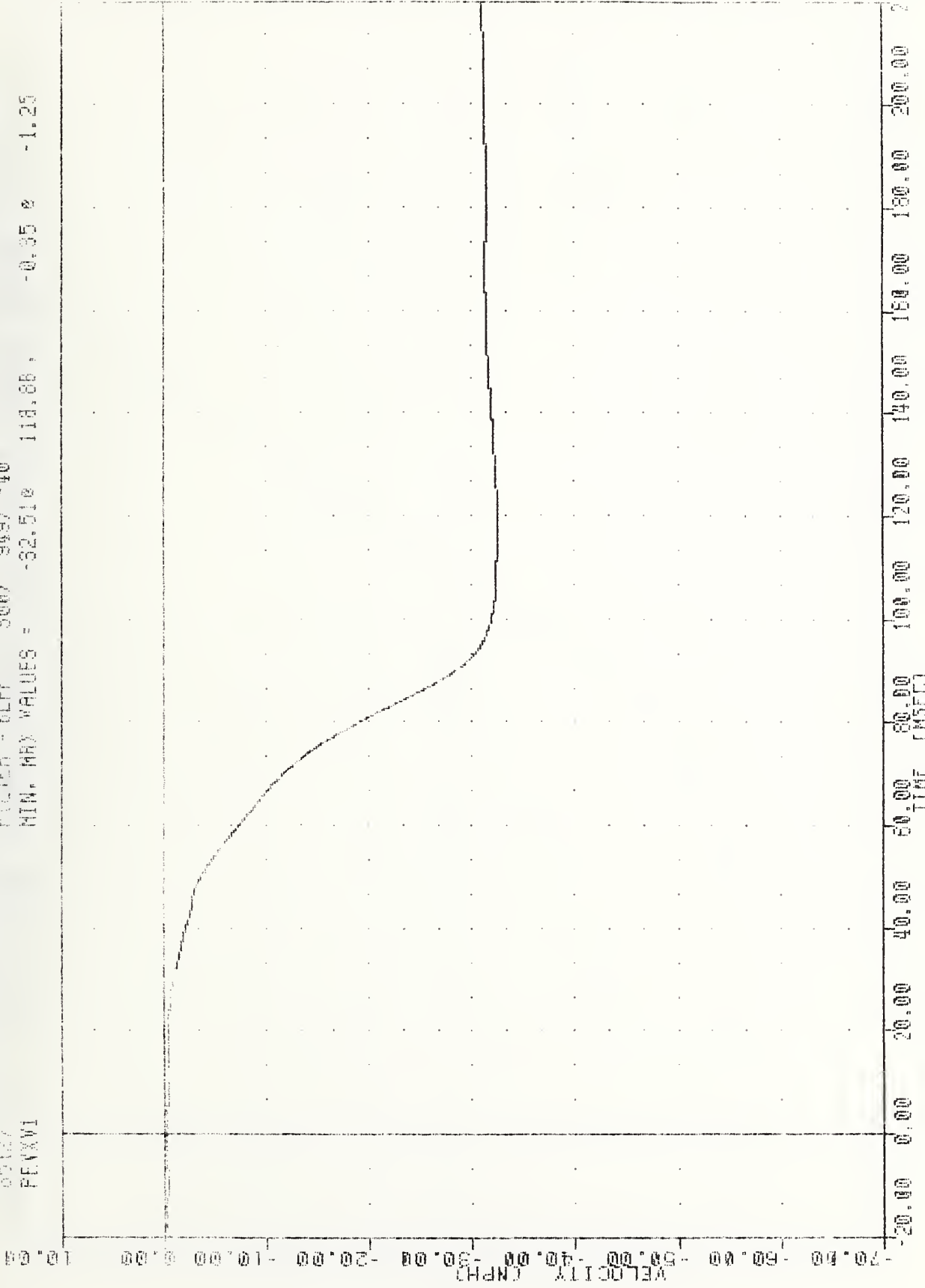
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

DATE: 7-MAY-85 15:25:02
BRED AIRBAG SLED PROGRAM
85127
CSTZG1
FILTER = BLFF 300/ 949/ -40
MIN, MAX VALUES = -4.33e 104.13, 2.23 e 95.00



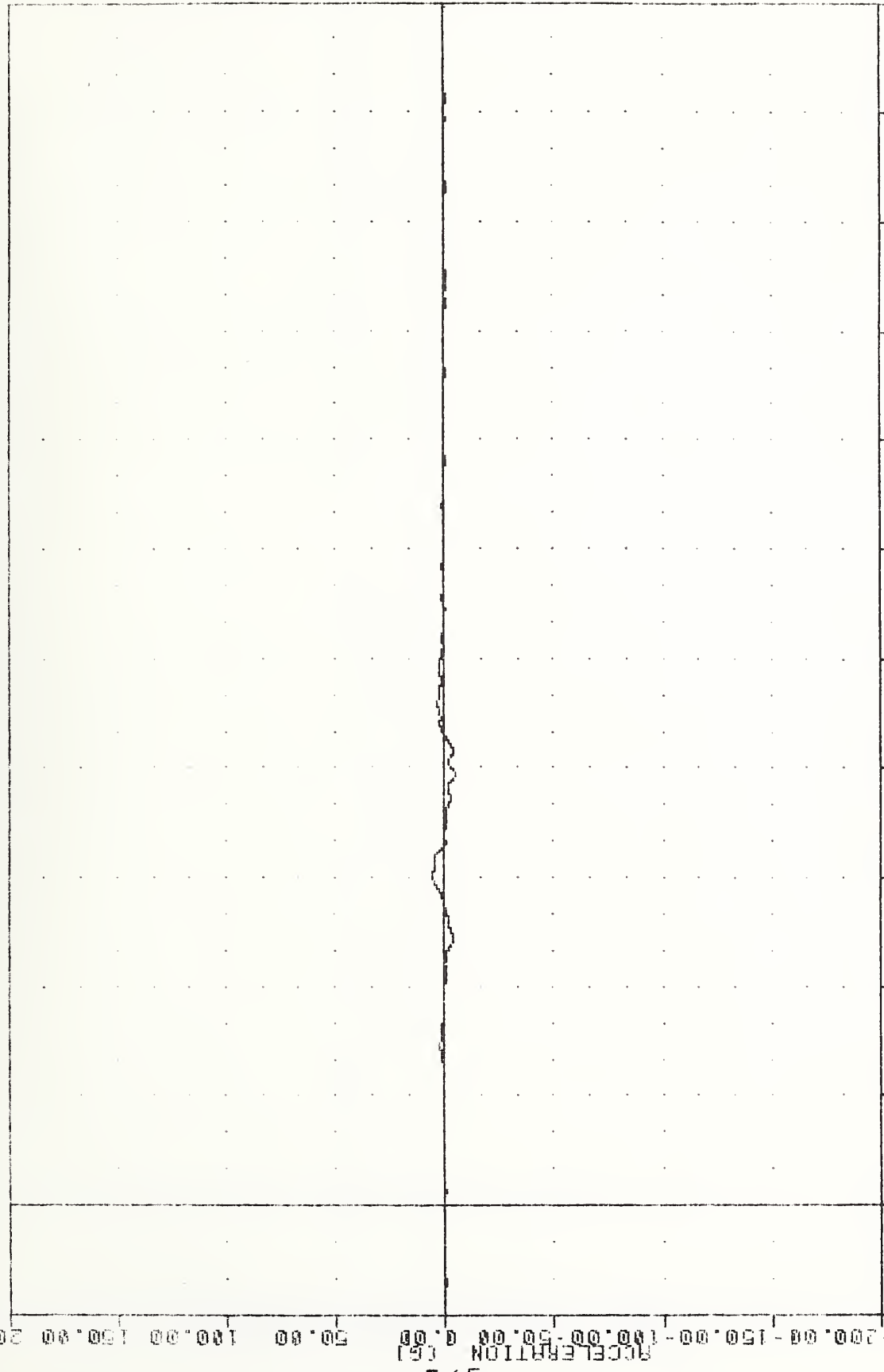
CHEVROLET IMPALA SLED TEST : 90 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

YR11 : 5/13/84 : 2-NOV-85 14:29:51
 BRACED AIRBAG SLED PROGRAM
 05127 FILTER = 8LFF 30W/ 9497 -10
 PEVXVI MIN. MAX VALUES = -82.51e 118.66, -0.35 e -1.25



CHEVROLET IMPALA SLED TEST 30 MPH - 50TH PERCENTILE DUMM
 DELTA V DURING PERIOD

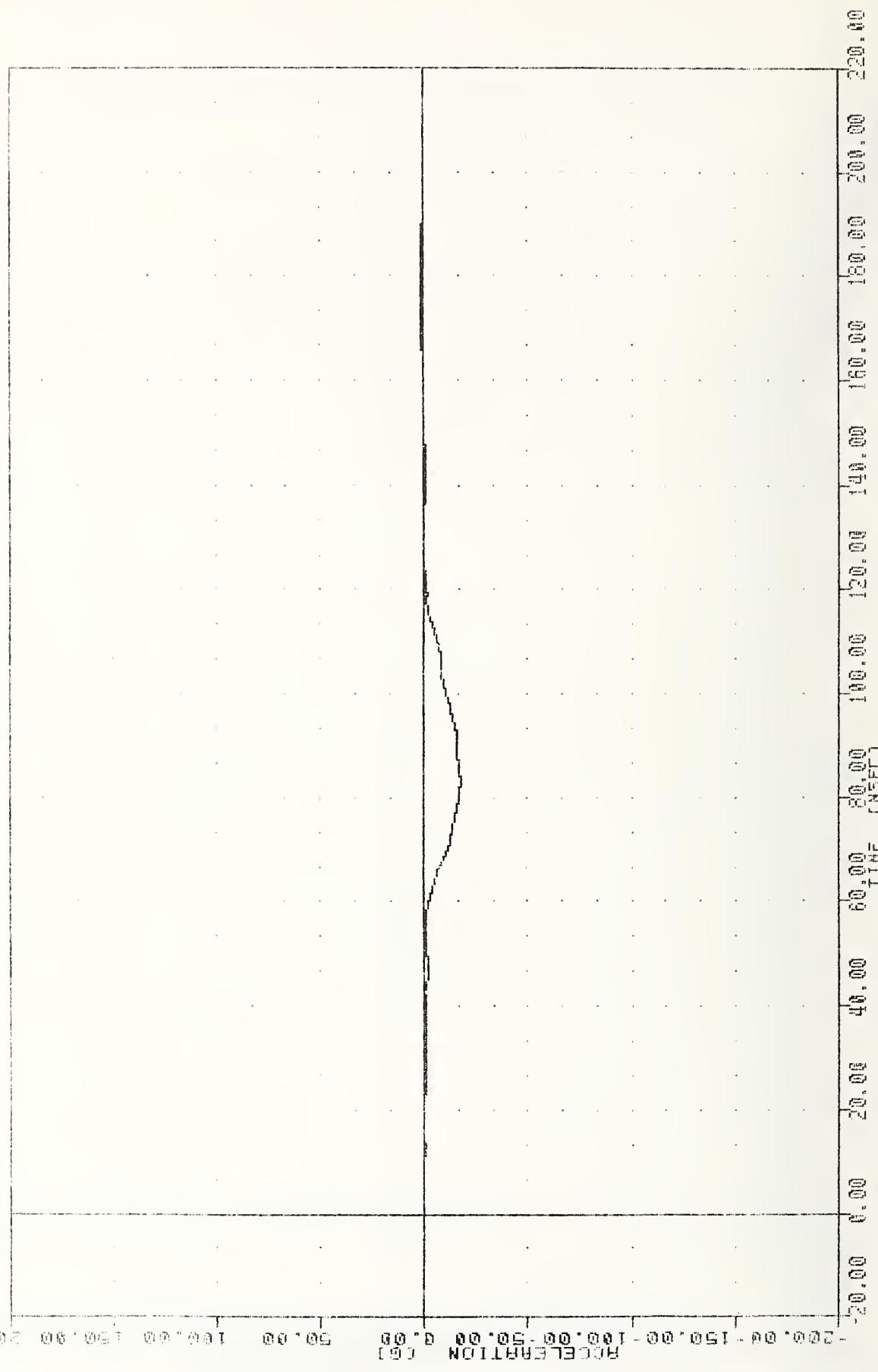
VAW 0004-2-25 8:01 AM 7-19-65 15125182
 BREED AIRBORNE SLED PROGRAM
 25127
 PEVY61
 FILTER = BLFF 50W 9497 -40
 MIN, MAX VALUES = -5.03e 78.75, 5.41 e 60.25



-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 ACCELERATION (G)
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

DATE: 05/12/77
DRIVER: 05127
VEHICLE: CHEVROLET IMPALA SLED
TEST: 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

FILTER = BLPF
MIN. MAX VALUES = -17.74g 85.13g
1.16g 171.80g

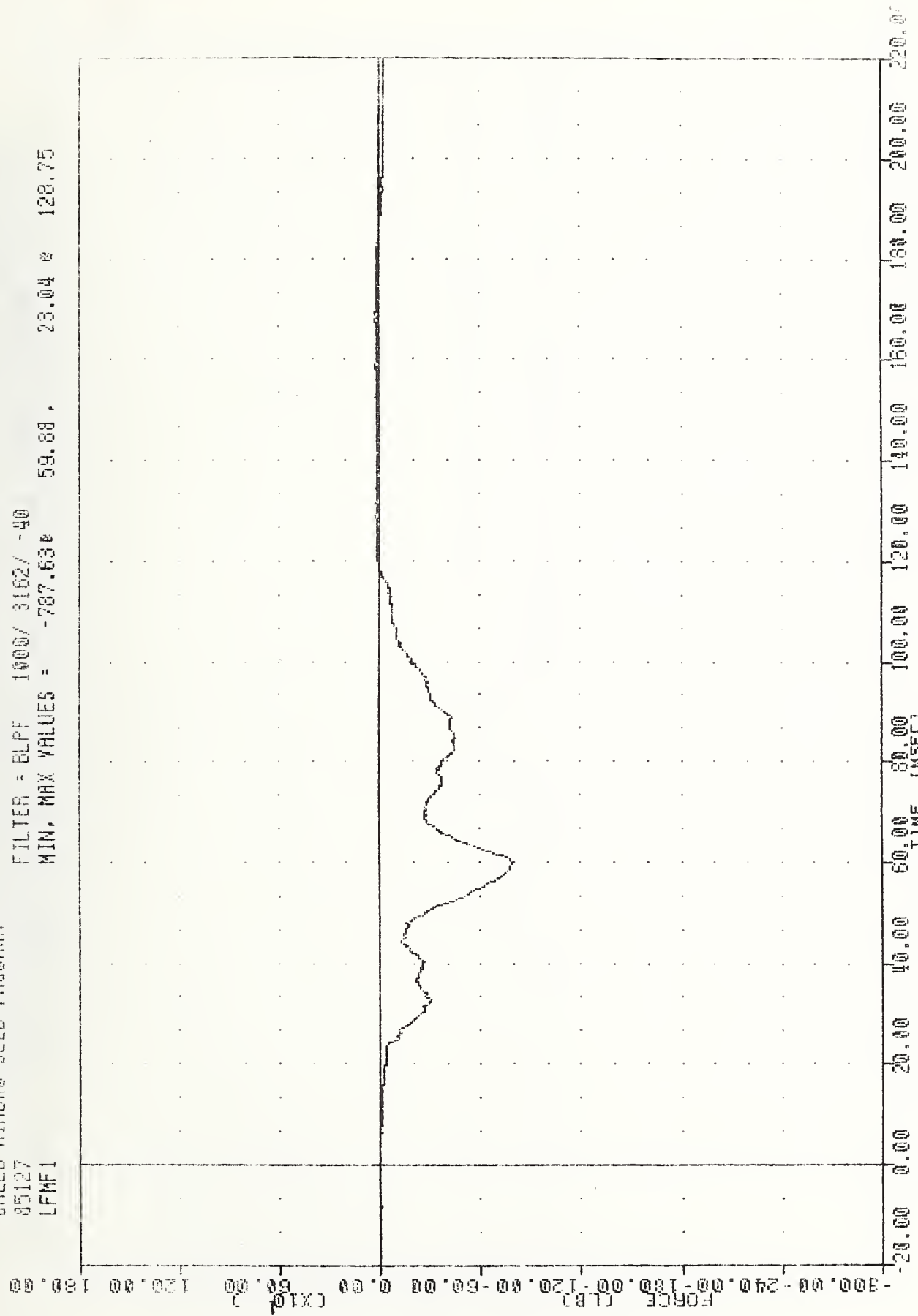


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

VRTC , F0354-4-26
BREED AIRBAG SLED PROGRAM
05127
LFMF1

PLOT DATE 7-MAY-88 15:25:02

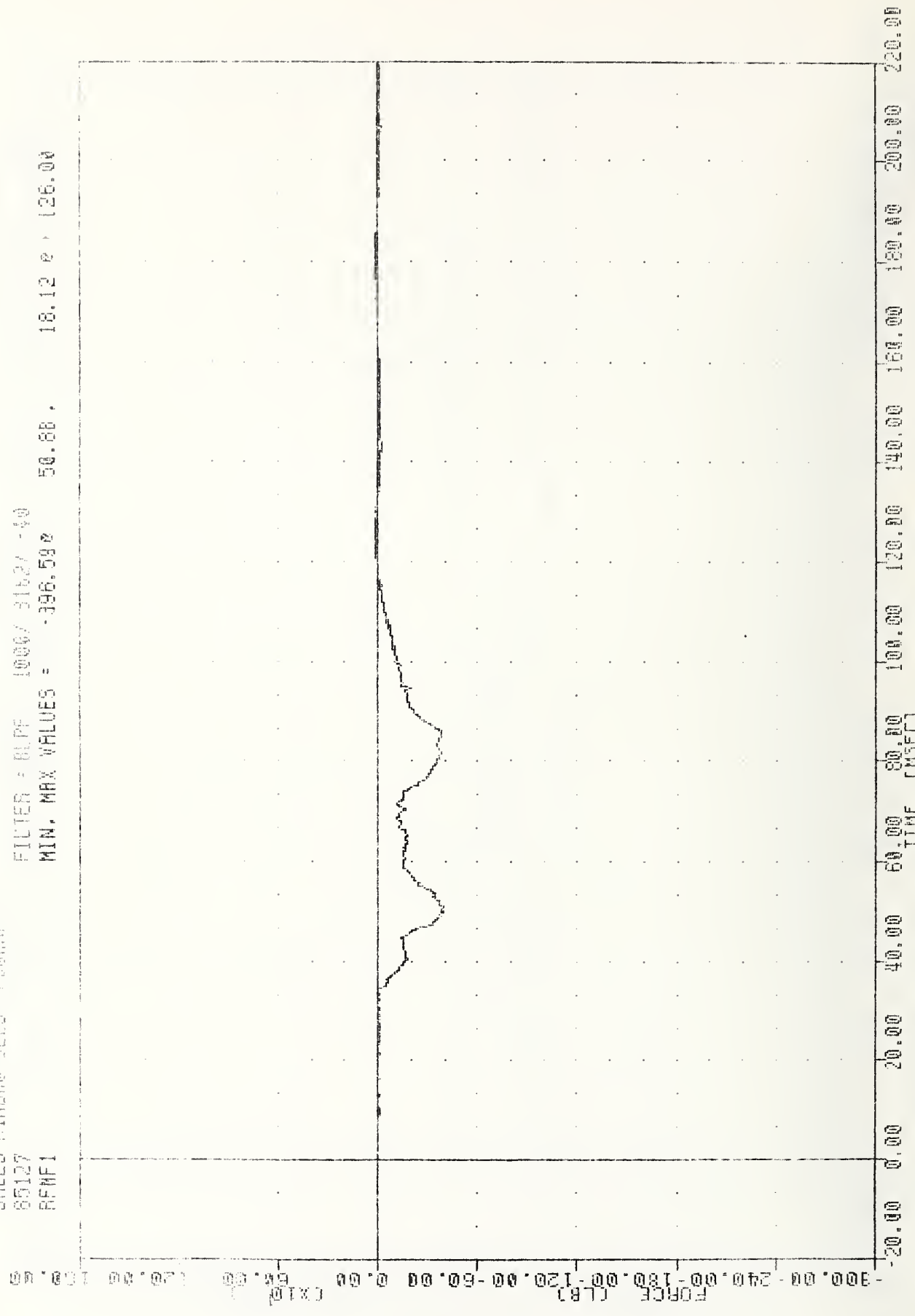
FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -787.63e 59.68 . 23.04 e 128.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT SEATER FRONT

V97C
BREC0 AIRBAG 3000 5000000
85127
BFMF1

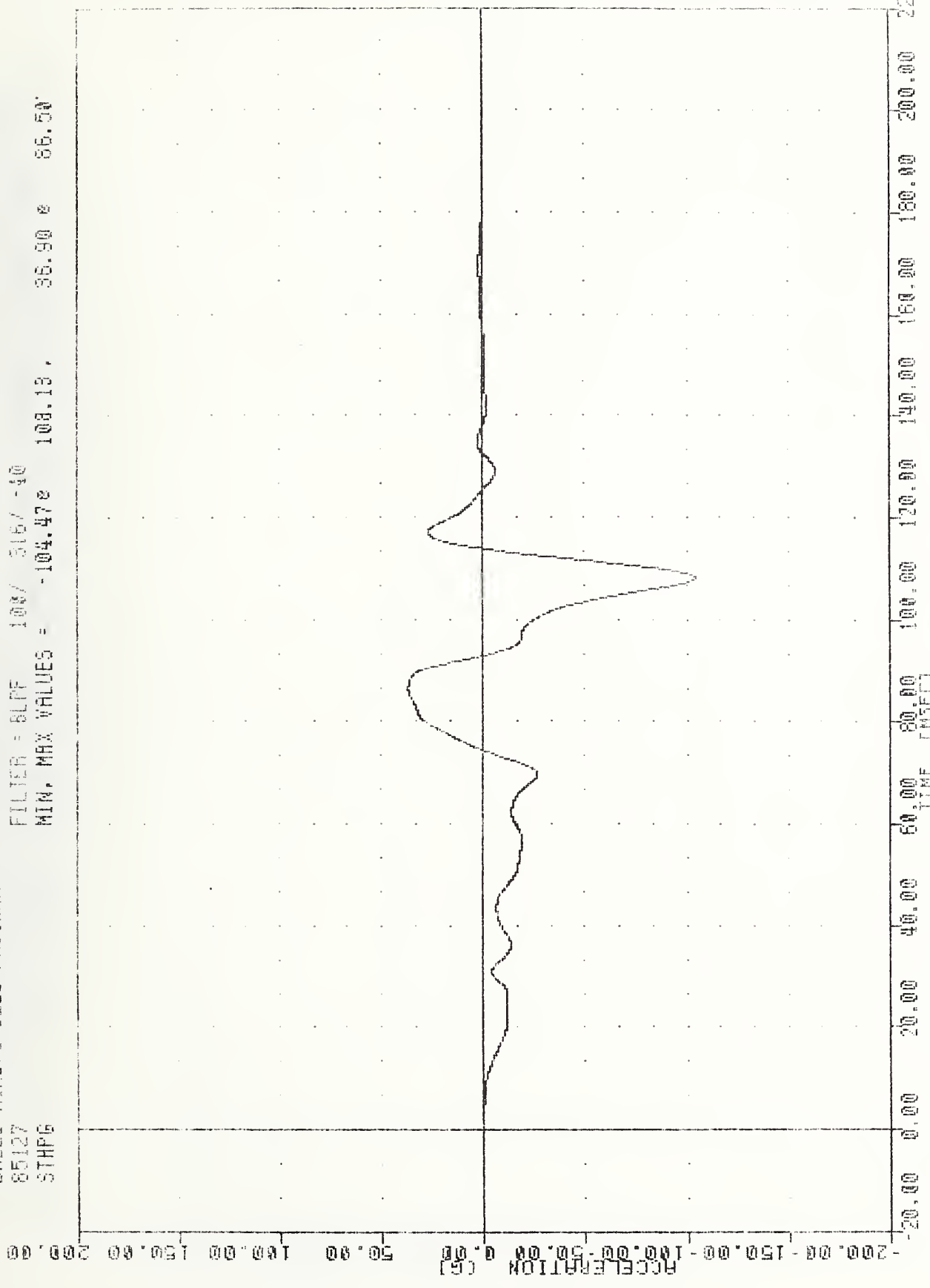
FILTER = BLPE 1000/ 3162/ -40
MIN. MAX VALUES = -398.59 50.88, 18.12 e + 126.00



CHEVROLET IMPALA SLEO TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER SIDE FRONT SEAT

VPTC / ROLLOVER
BRESO AIRBAG SLED PROGRAM
85127
STHPG

PLAT 0511 2:55:55 10:15:00
FILTER = 8LRF 100/ 316/ -40
MIN. MAX VALUES = -104.47e 108.13e 36.90e 66.50e

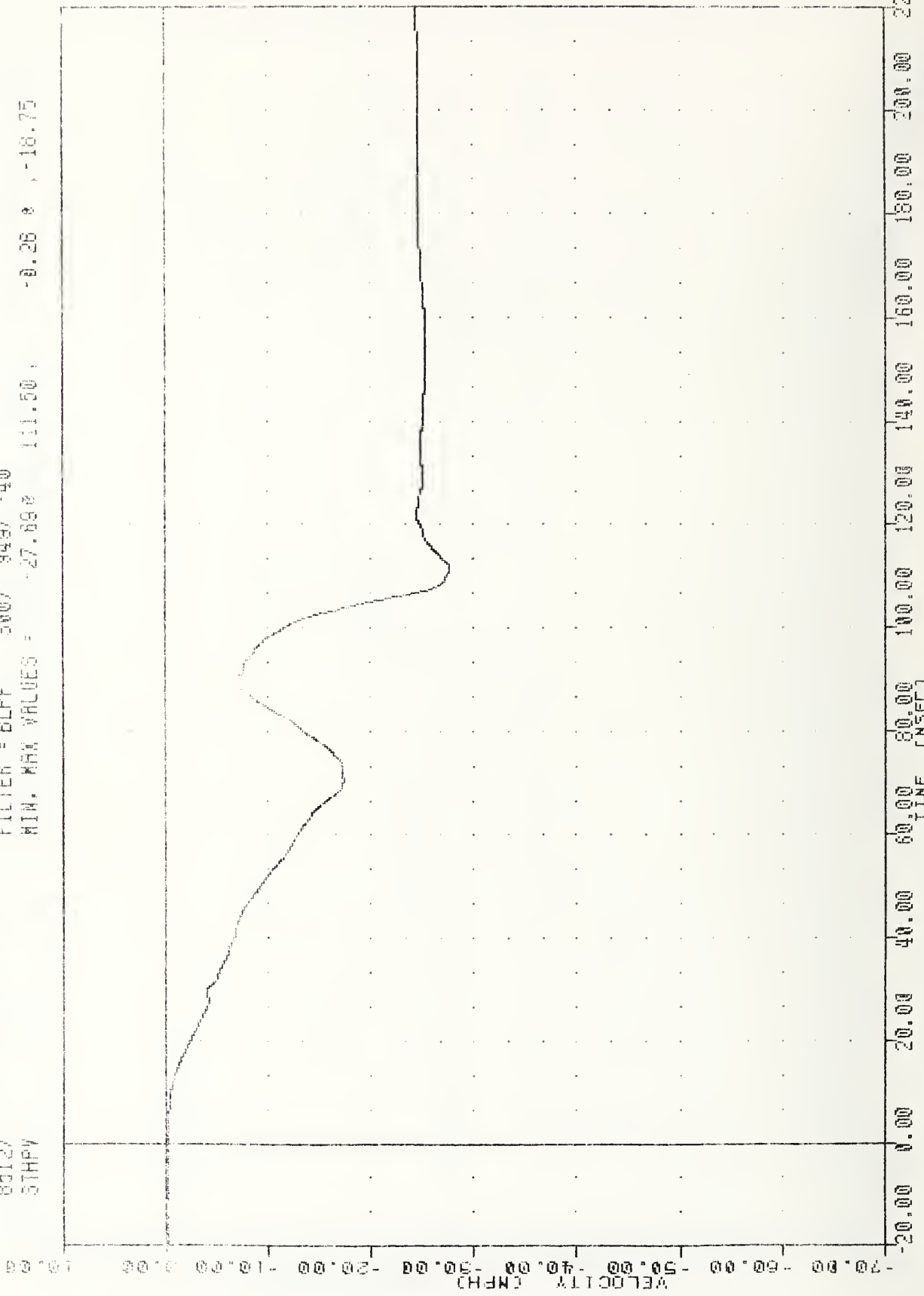


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION - 5X15

VRTC
SPEED
88127
STHPV

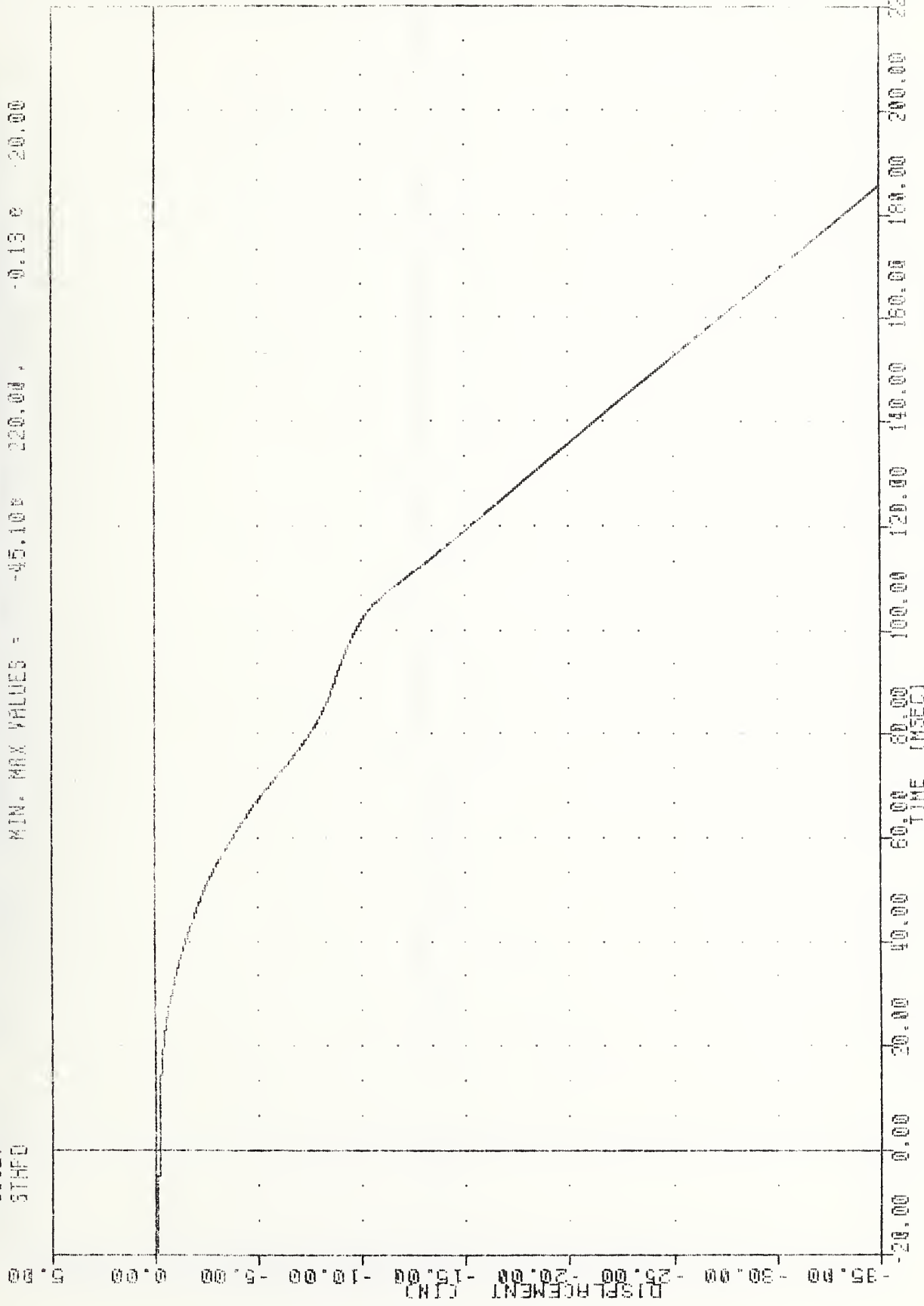
7:46:05

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -27.89 111.50 -0.26 18.75



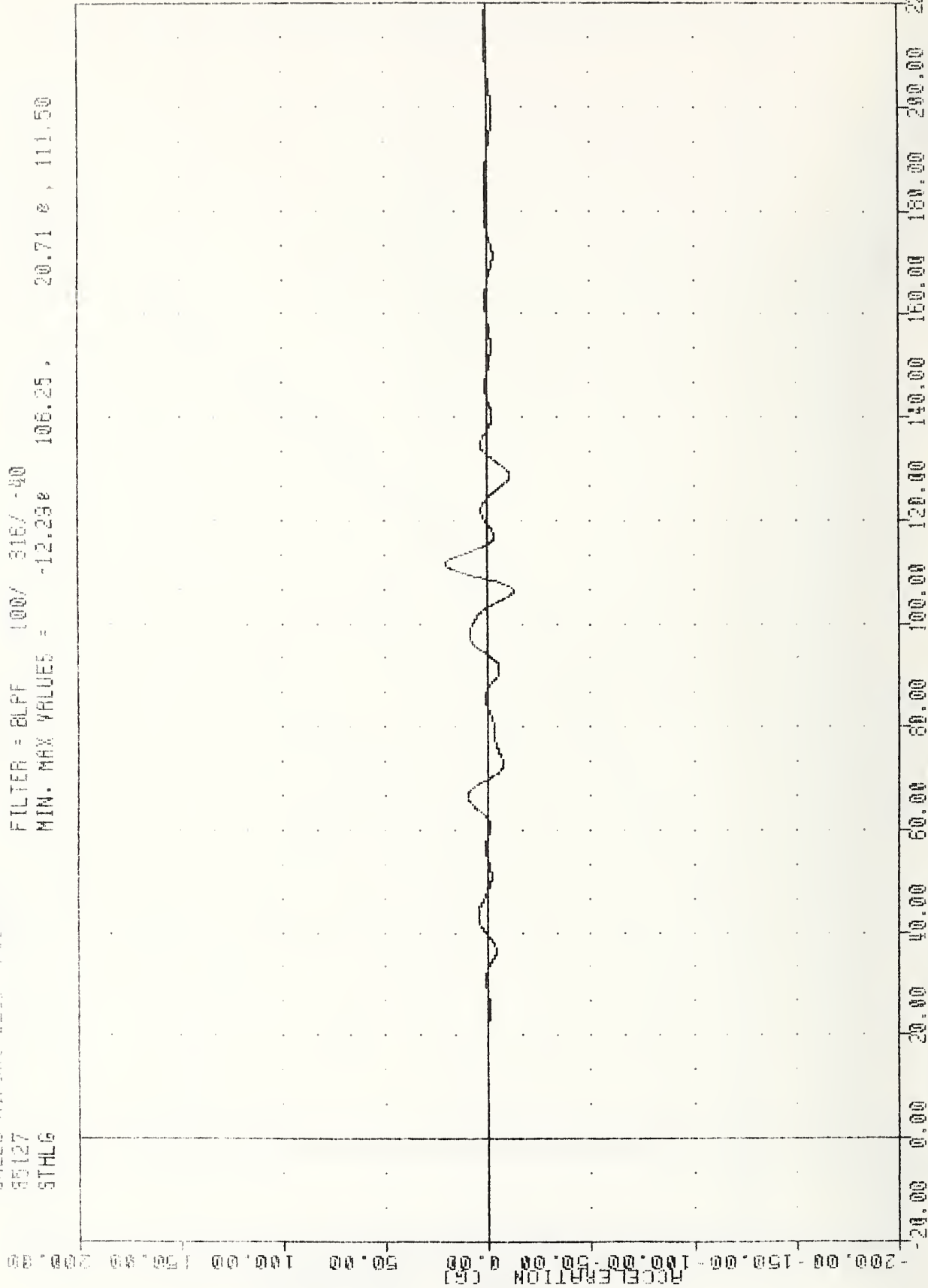
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA PUNCH EXPT

VRTC , R0384-4-26 , FLOT DATE 7-MAY-95 15:29:51
 BRSEC AIRBAG SLED PROGRAM
 85127 FILTER = BLFF 300/ 949/ -40
 5THFD MIN. MAX VALUES = -45.10E 220.00 , -0.13 E 20.00



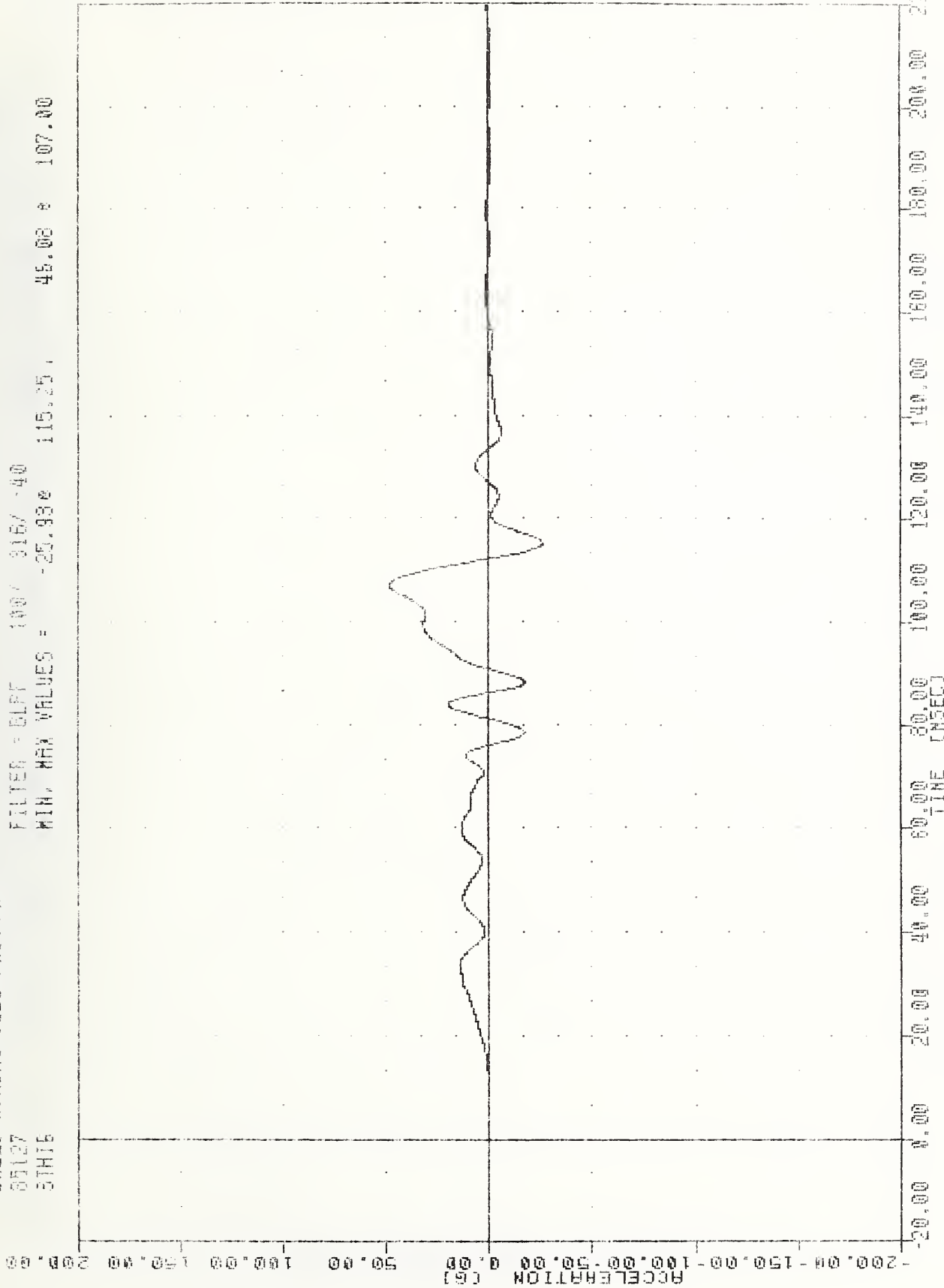
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DATA USING STAGE

35127
 BRUED AIRBORNE SLED BRUCCON
 35127
 STHLG
 MIN. MAX VALUES = -12.29e 106.25, 20.71 e, 111.50
 FILTER = BLPF 100/ 316/ -40
 15.25.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION X-L AXIS

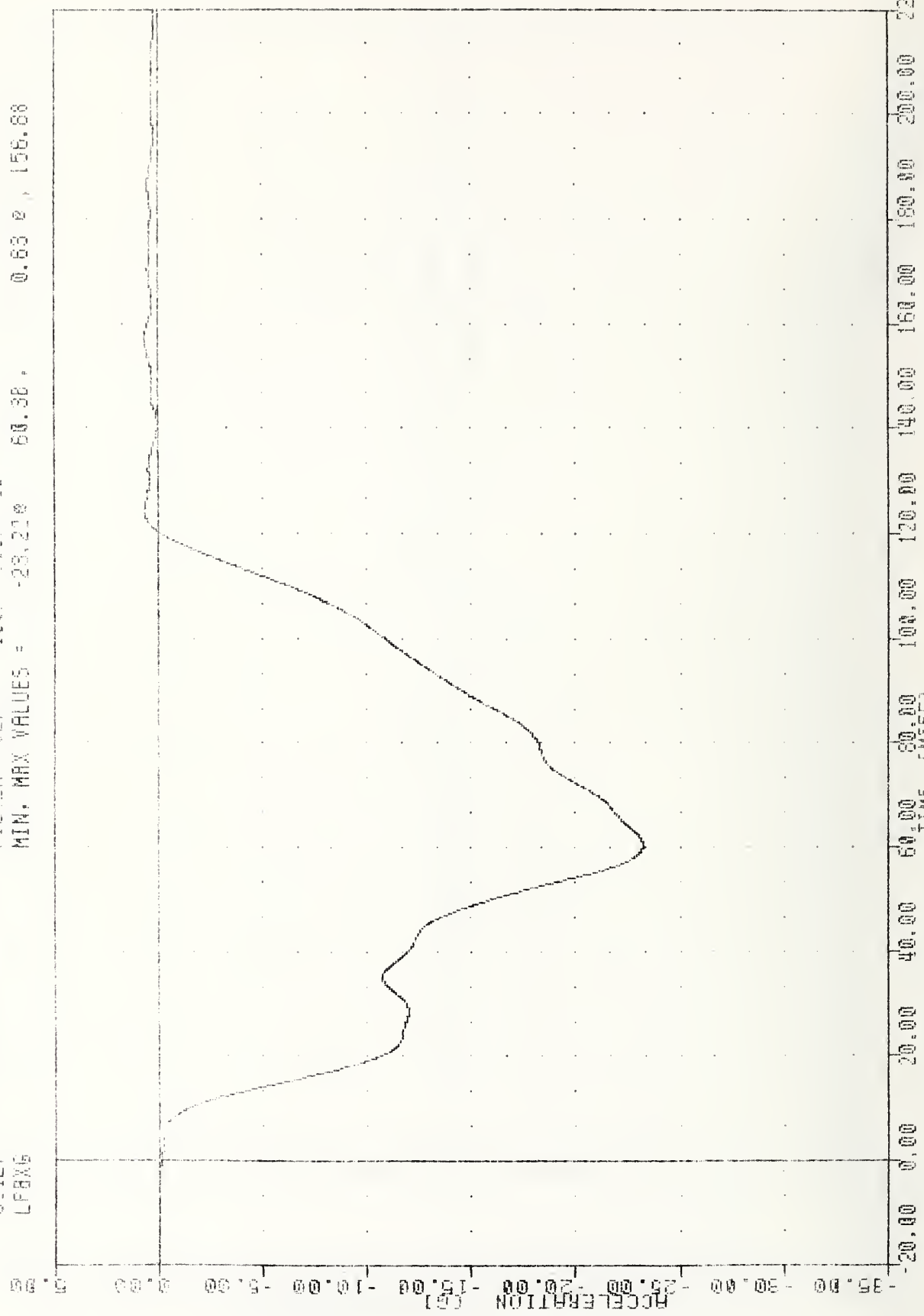
DATE: 7/25/67
 TIME: 10:25:00
 FILTER: CLPT 100 / 316 / -40
 MIN. MAX VALUES = -25.93 115.25
 45.02 * 107.00



CHEVROLET IMPALA SLED TEST - 90 MPH 5TH PERCENTILE DUMMY
 STEERING COLUMN AIR ACCELERATION (G) BY 15

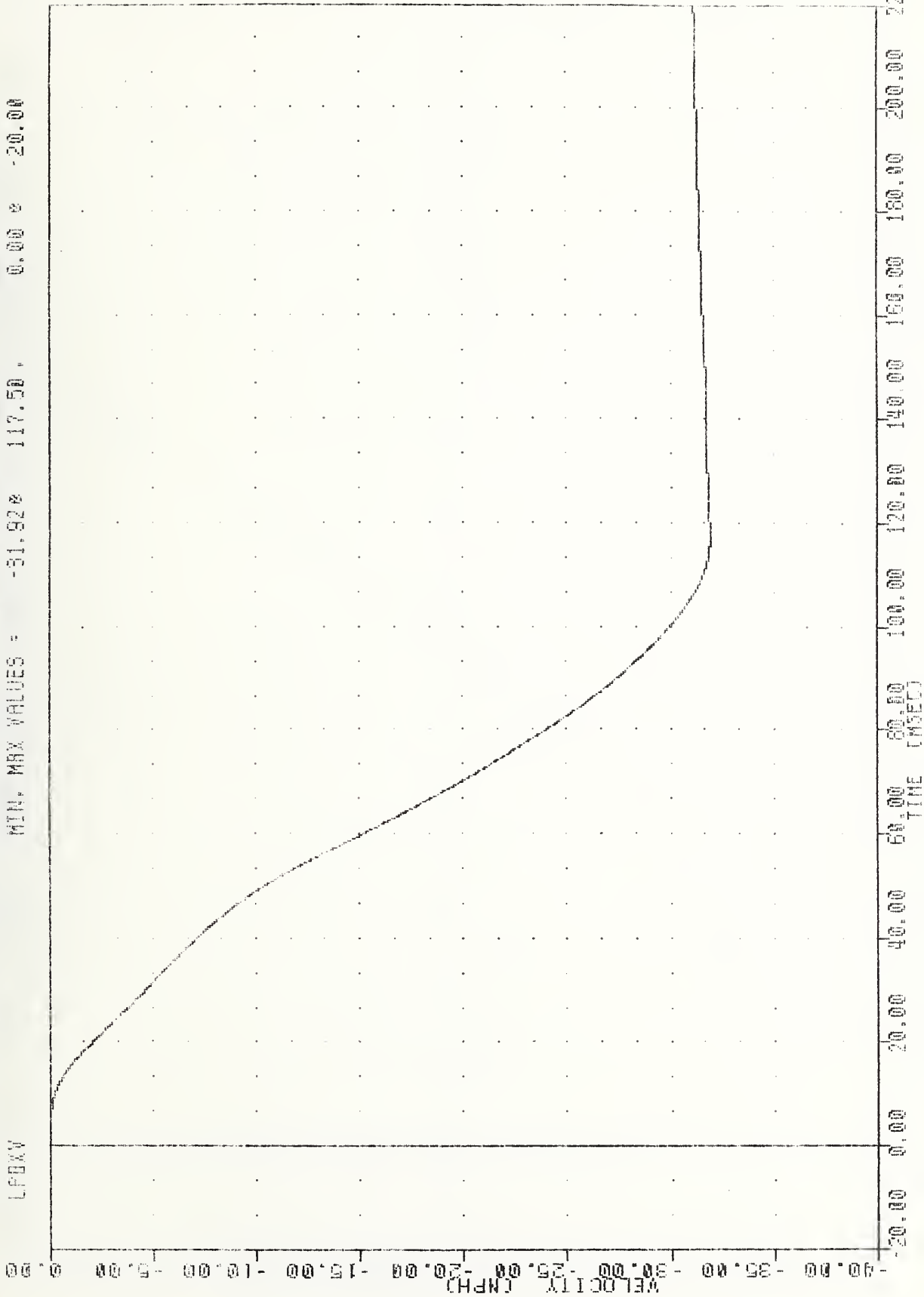
VATE
8850 AIRBORNE
85127
LPBXG

MIN. MAX VALUES = -23.21% 50.38% 0.63 g, 156.68
FILTER = 6LPS 100' 3167 -10



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

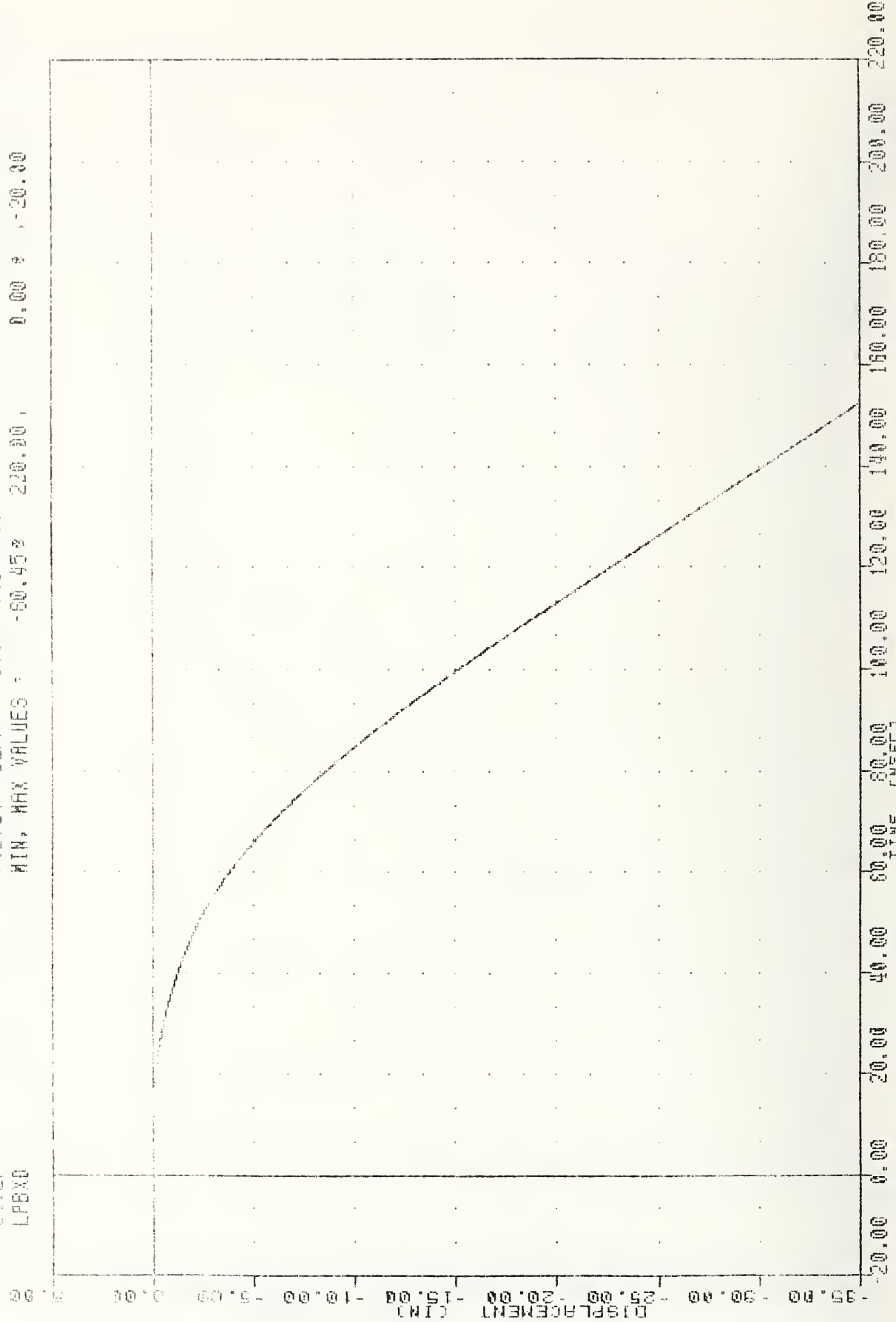
VRTC , R0304-4-26 PLOT DATE 7-MAY-85 15:29:51
 BLEED AIRERS BLEED PROGRAM
 85127 FILTER = 8LFF 300/ 949/ -40
 LFBXV MIN. MAX VALUES = -31.92% 117.50 , 0.00 % -20.00



CHEVROLET IMPALA BLEED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING LFBXV

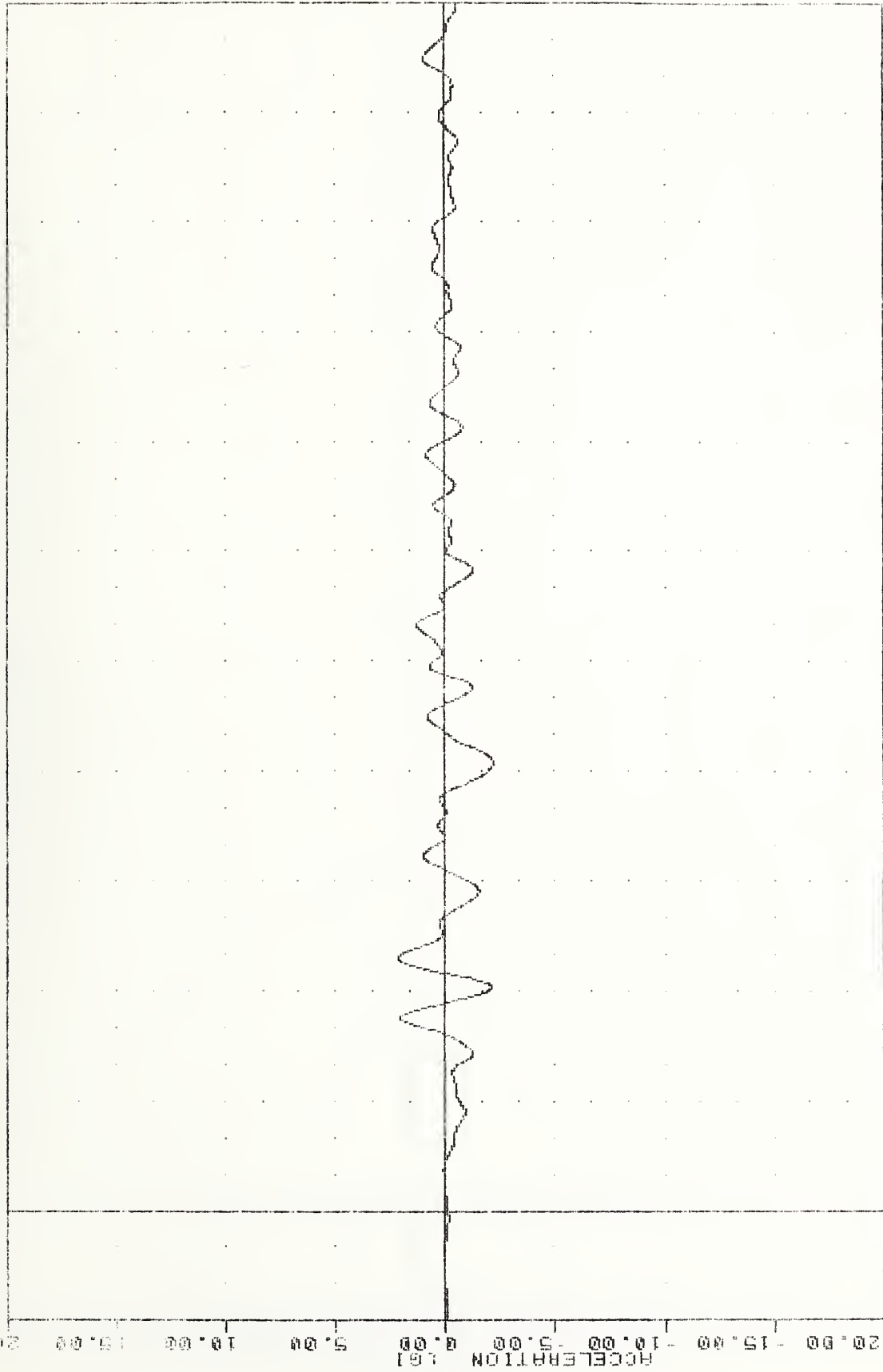
8411
 BREED AIRPAG SLED PROGRAM
 85127
 LPBXO

FILTER = BLPF 3ND: 949. 40
 MIN, MAX VALUES : -60.45% 220.00 , 0.00 * -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUNNY
 DELTA X USING LPBXV

DATE : 80304-4-20 PLOT DATE : 7 MAY-85 15:25:02
 BREED AIRBAG SLED PROGRAM
 55127 FILTER = BLPF 100/ 316/ 40
 LPBYE MIN. MAX VALUES = -2.17% 2.13% 46.13

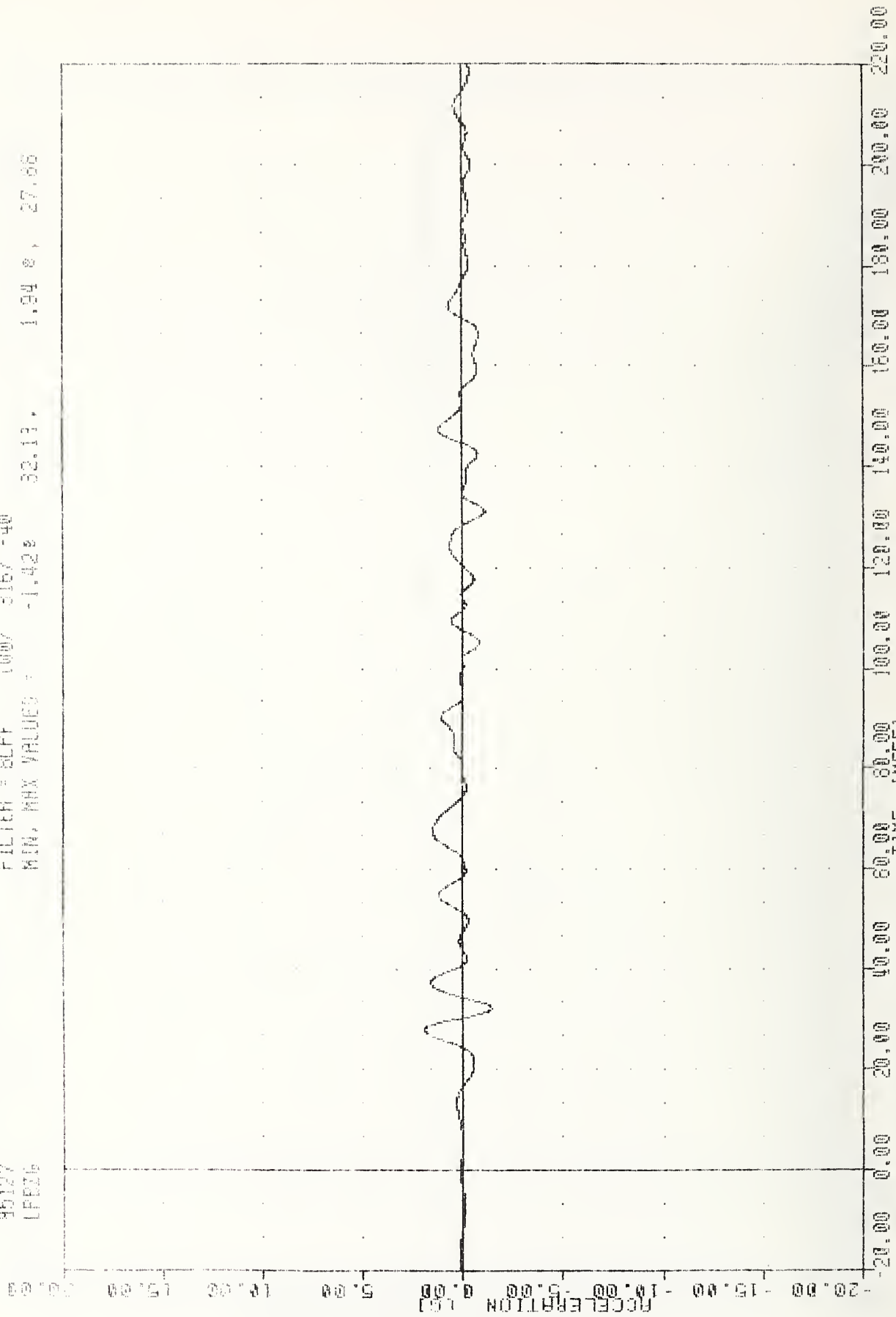


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 ACCELERATION (G)
 TIME (SEC)
 CHEVROLET IMPALA SLED TEST - 80 MPH - 50TH PERCENTILE DUMMY
 PILLAR TEST 6 ACCELERATION (G)

VR10
38500
35127
LFE226

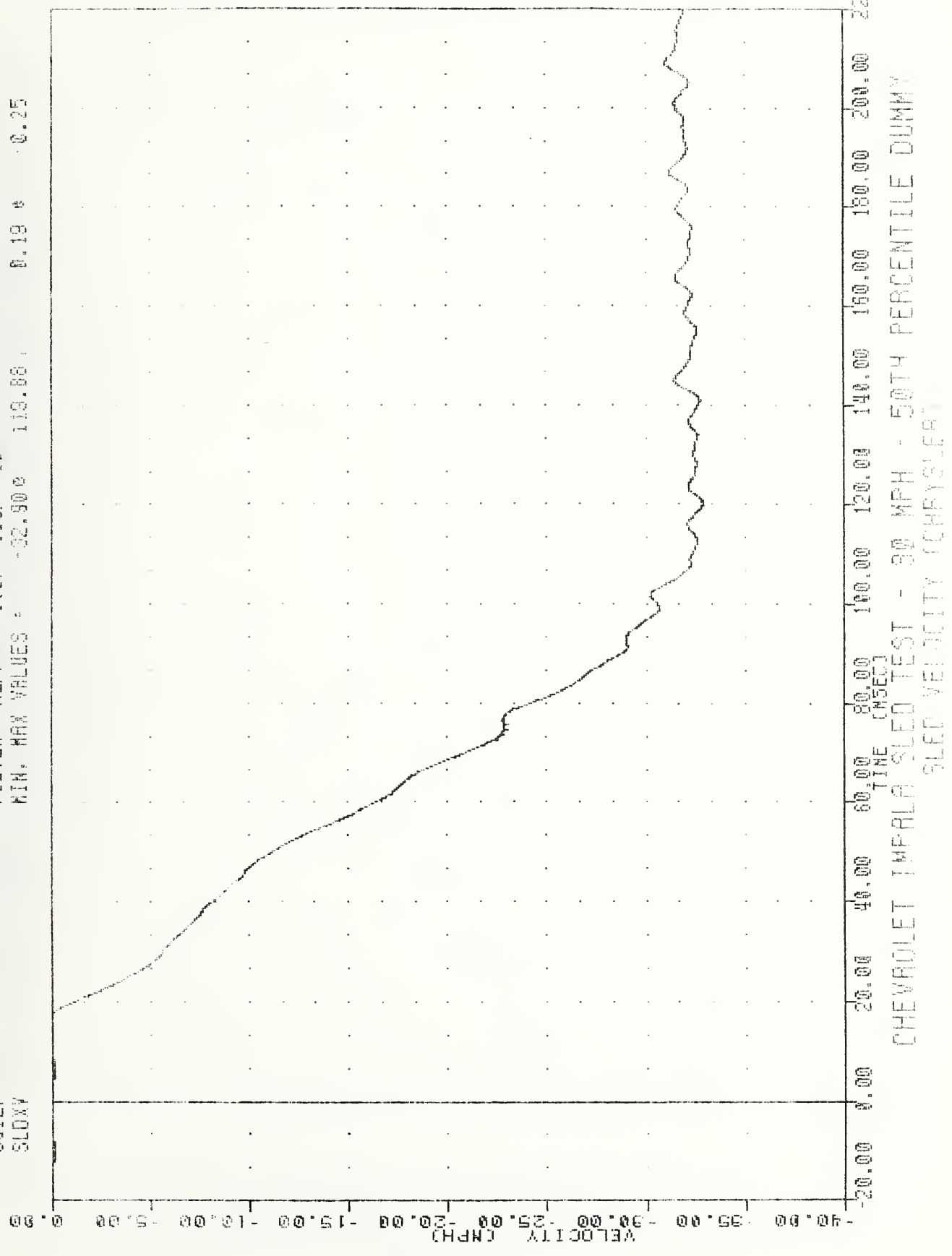
WAVE UNIT

FILTER = BLFF 100/ 3167 -40
MIN, MAX VALUES = -1.42e 32.17, 1.94 e, 27.66



CHEVROLET IMPALA SLEO TEST - 30 MPH - 50TH PERCENTILE SUMMIT
PILLAR LEFT ACCCELERATION

VATIC * RD384-4-26 PLOT DATE 7 MAY 85 15:25:02
 BREED RIF888 SLED PROGRAM
 85127 FILTER = ALPF 100/ 316/ -40
 SLOXY MIN. MAX VALUES = -32.90 119.88 0.19 * 0.25

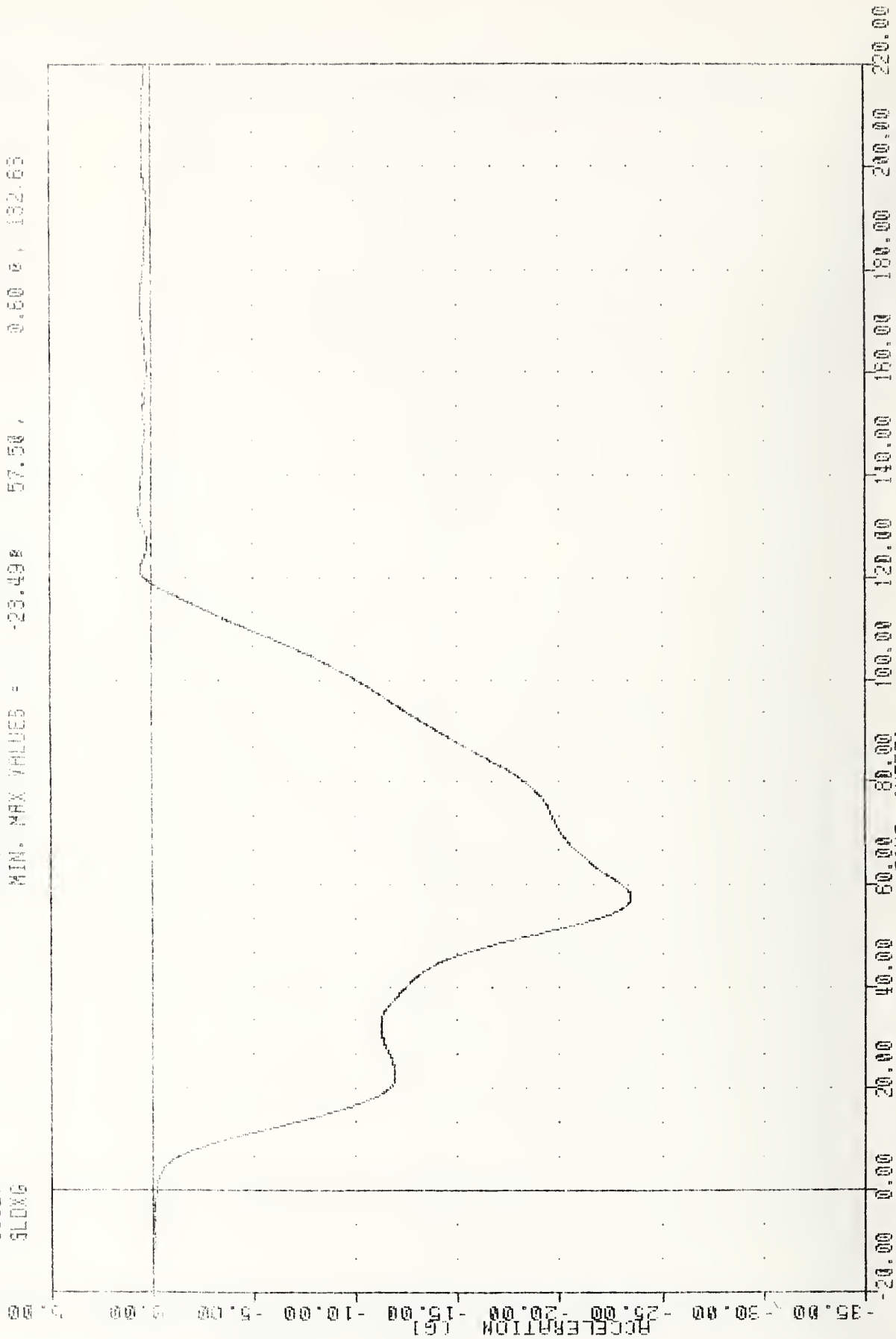


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 SLED VELOCITY (CHRYSLER)

VRTC
BRIED AIRBAG SLED PROGRAM
95127
GLOXG

2000-01-01

FILTER = BLPF 100/ 2167 -40
MIN. MAX VALUES = -28.49# 57.50 , 0.60 g , 132.63

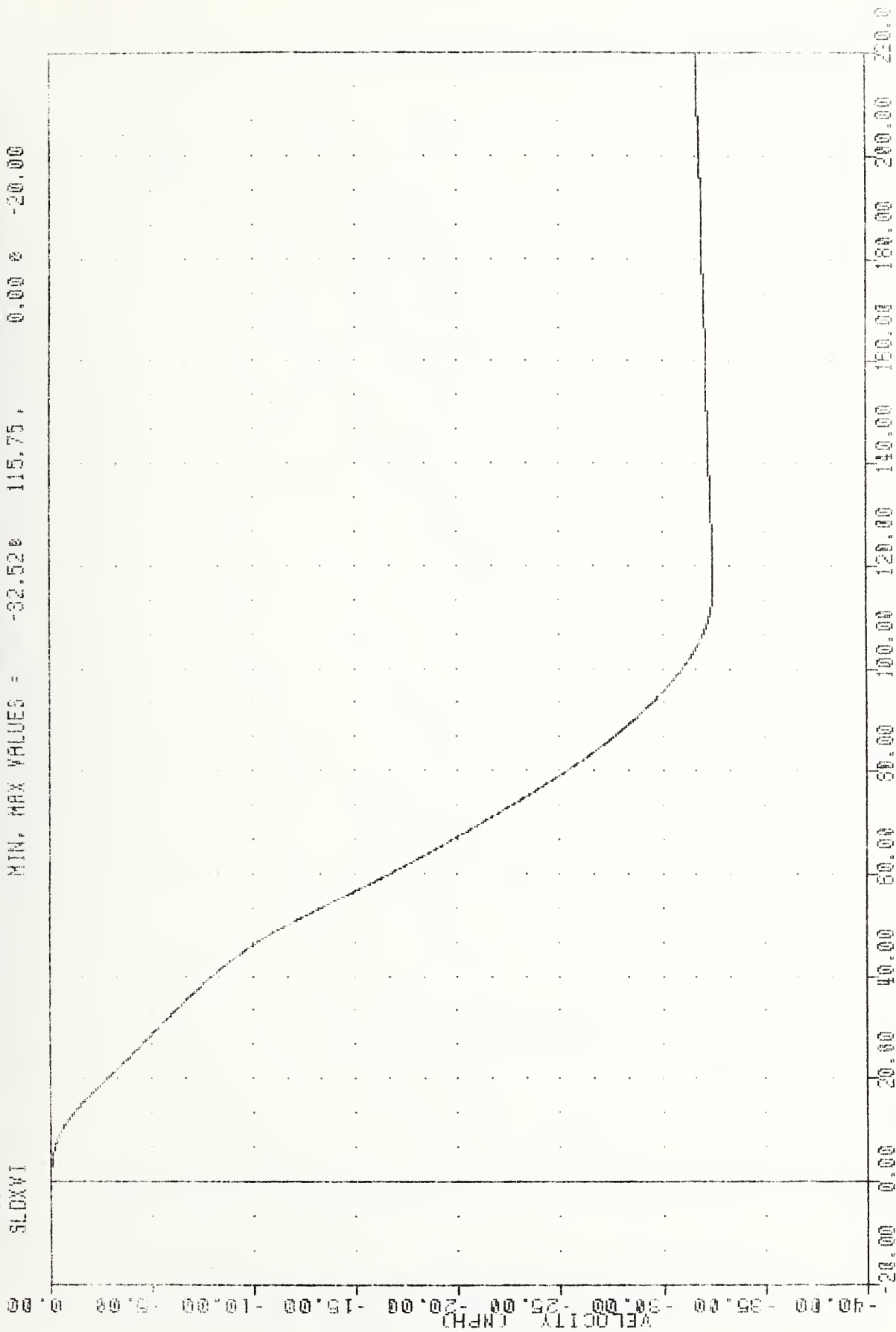


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

UNIT : 80384-4-25
SPEED AIRBORNE SLED PROGRAM
R5127
SLOWVI

PLAT UNIT : 7 46195 17324150

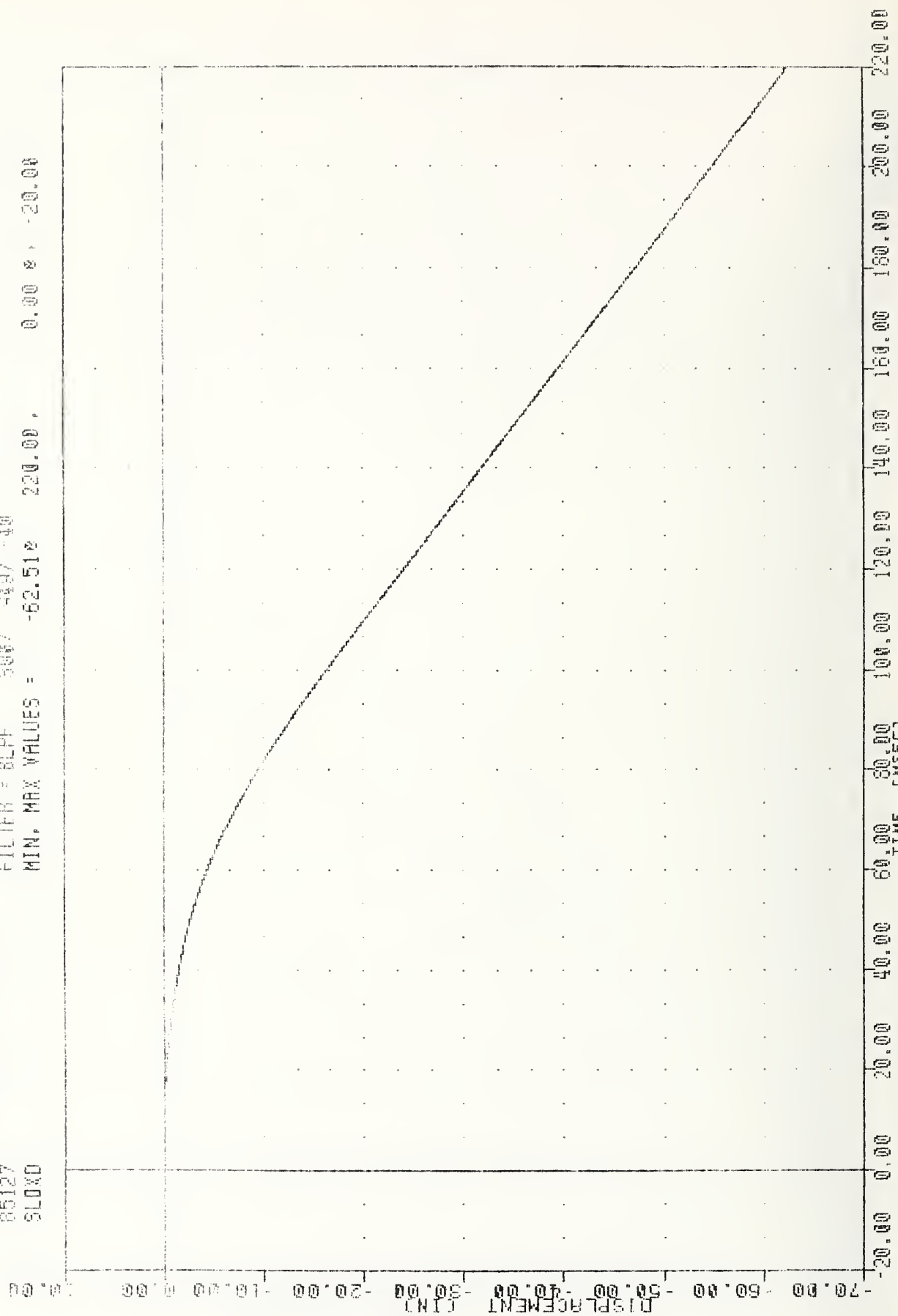
FILTER = 8LFF 300/ 949/ -90
MIN, MAX VALUES = -32.52e 115.75, 0.00 e -20.00



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY INTEGRATED

TRAC 50
 SLED AIRRAIS SLED PROGRAM
 85127
 SLOXD

FILTER = 8LFF 500 / 549 / 40
 MIN. MAX VALUES = -62.51 220.00 0.00 20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VRTC , PD384-4-26
85127
RSTP

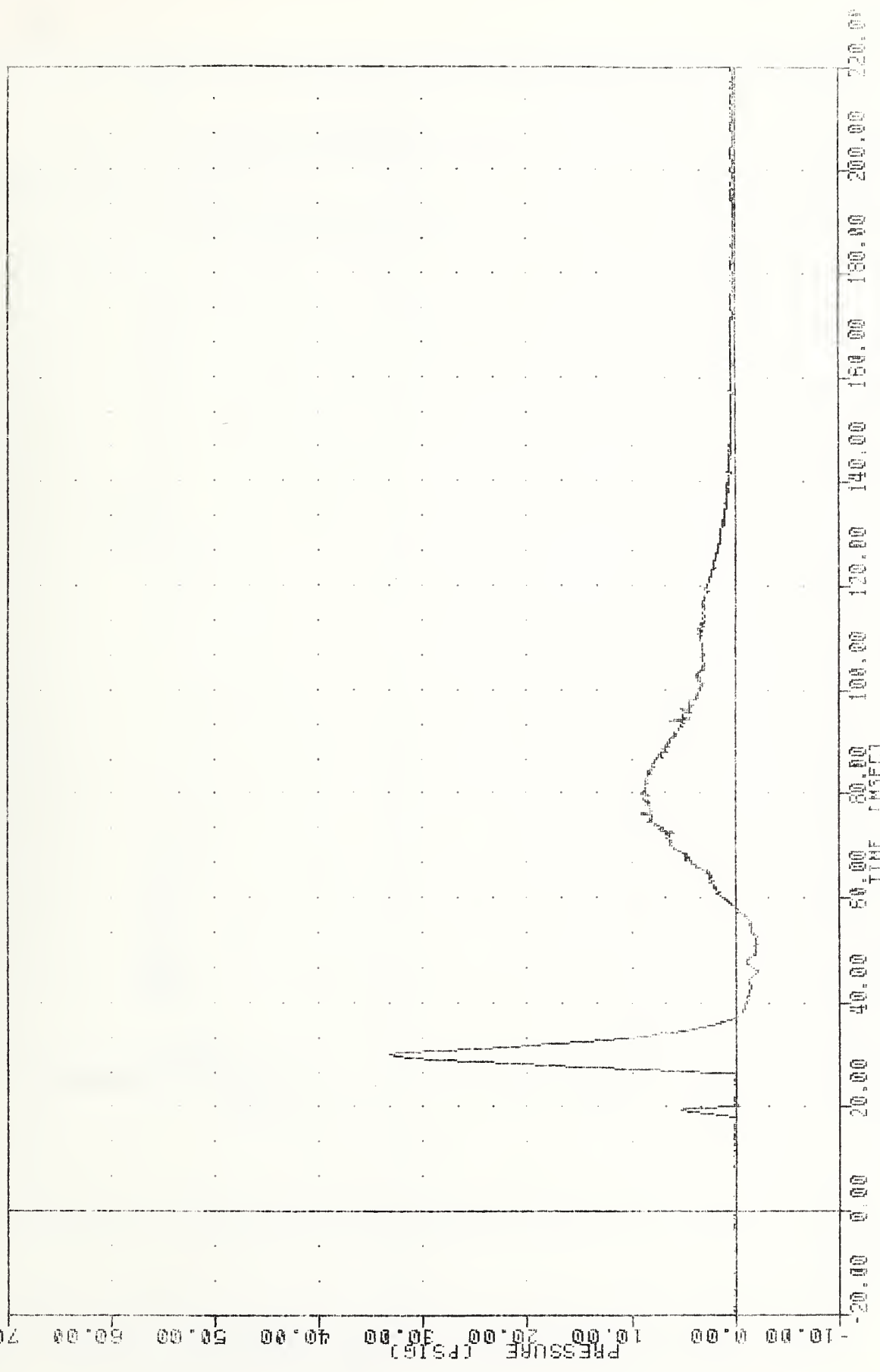
85127
RSTP

85127
RSTP

85127
RSTP

85127
RSTP

85127
RSTP



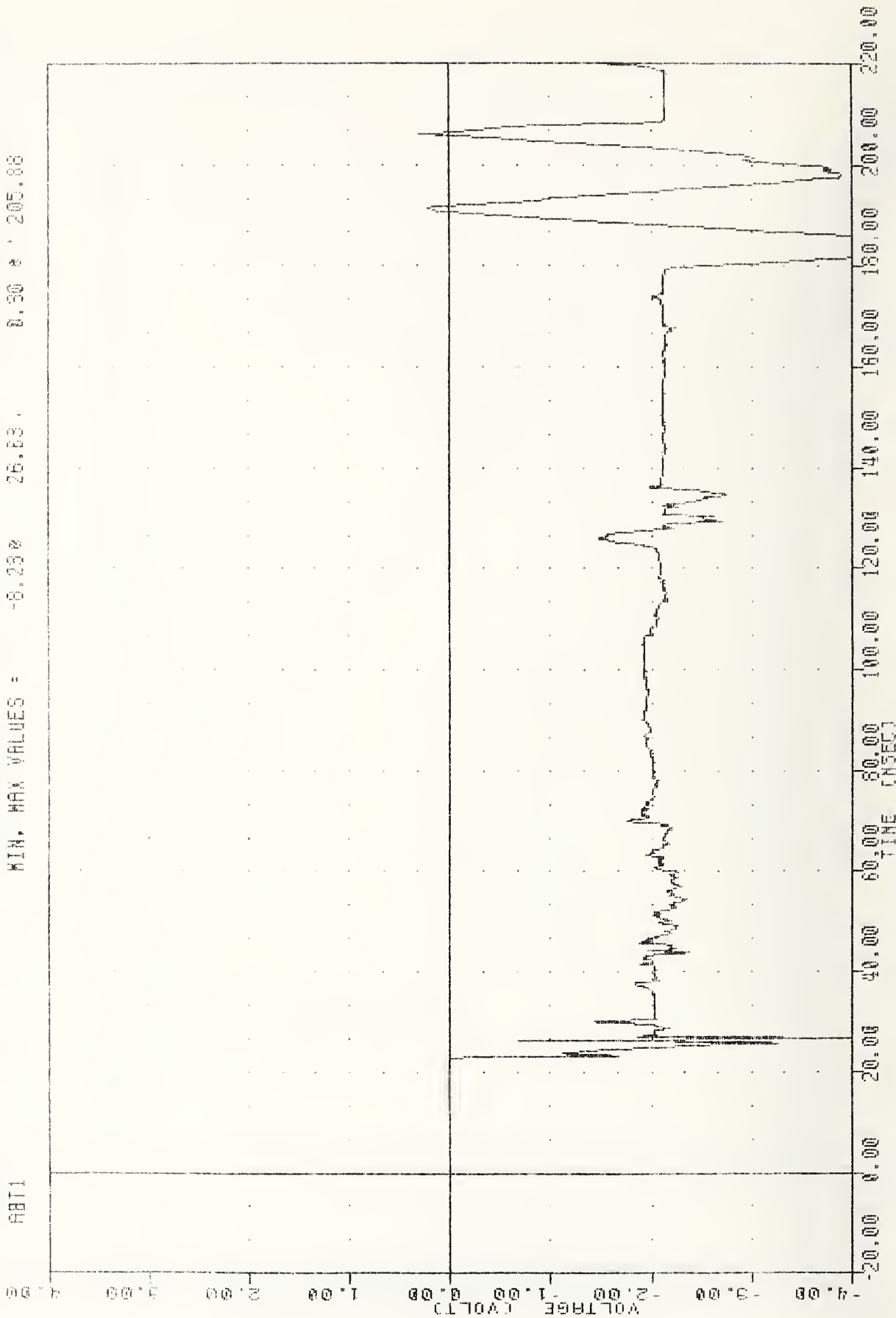
CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
AIRBAG PRESSURE

WATC
SAESD AIRBAG SLED PROGRAM
85127
RBT1

TEST DATE 07/14/00 15:05:02

FILTER = ALPF 1650/ 5214/ -40

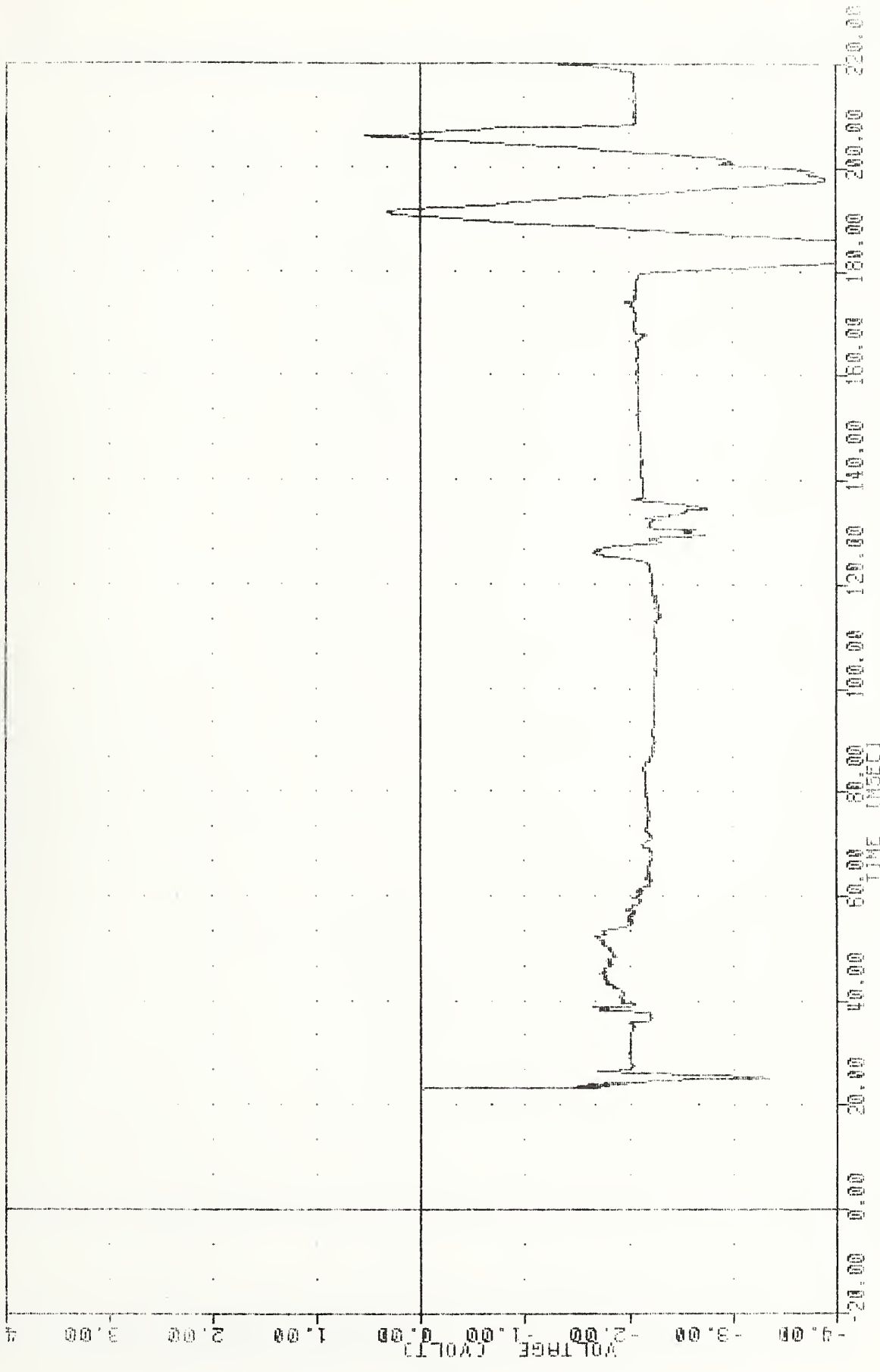
MIN. MAX VALUES = -8.230 26.63 0.50 * 205.68



CHEVROLET IMPALA SLED TEST - 80 MPH - 50TH PERCENTILE DUMMY

SEAN BURNHAYRE

VBI : 80504 1-16
 SPEED : 1650/ 5214/ -40
 MIN, MAX VALUES = -4.828 184.50 , 0.53 @ 205.88
 FILTER = ALPF
 DATE : 7 MAY 85 15:25:02
 RPT2
 RPT1
 RPT0
 RPT3
 RPT4
 RPT5
 RPT6
 RPT7
 RPT8
 RPT9
 RPTA
 RPTB
 RPTC
 RPTD
 RPTE
 RPTF
 RPTG
 RPTH
 RPTI
 RPTJ
 RPTK
 RPTL
 RPTM
 RPTN
 RPTO
 RPTP
 RPTQ
 RPTR
 RPTS
 RPTT
 RPTU
 RPTV
 RPTW
 RPTX
 RPTY
 RPTZ

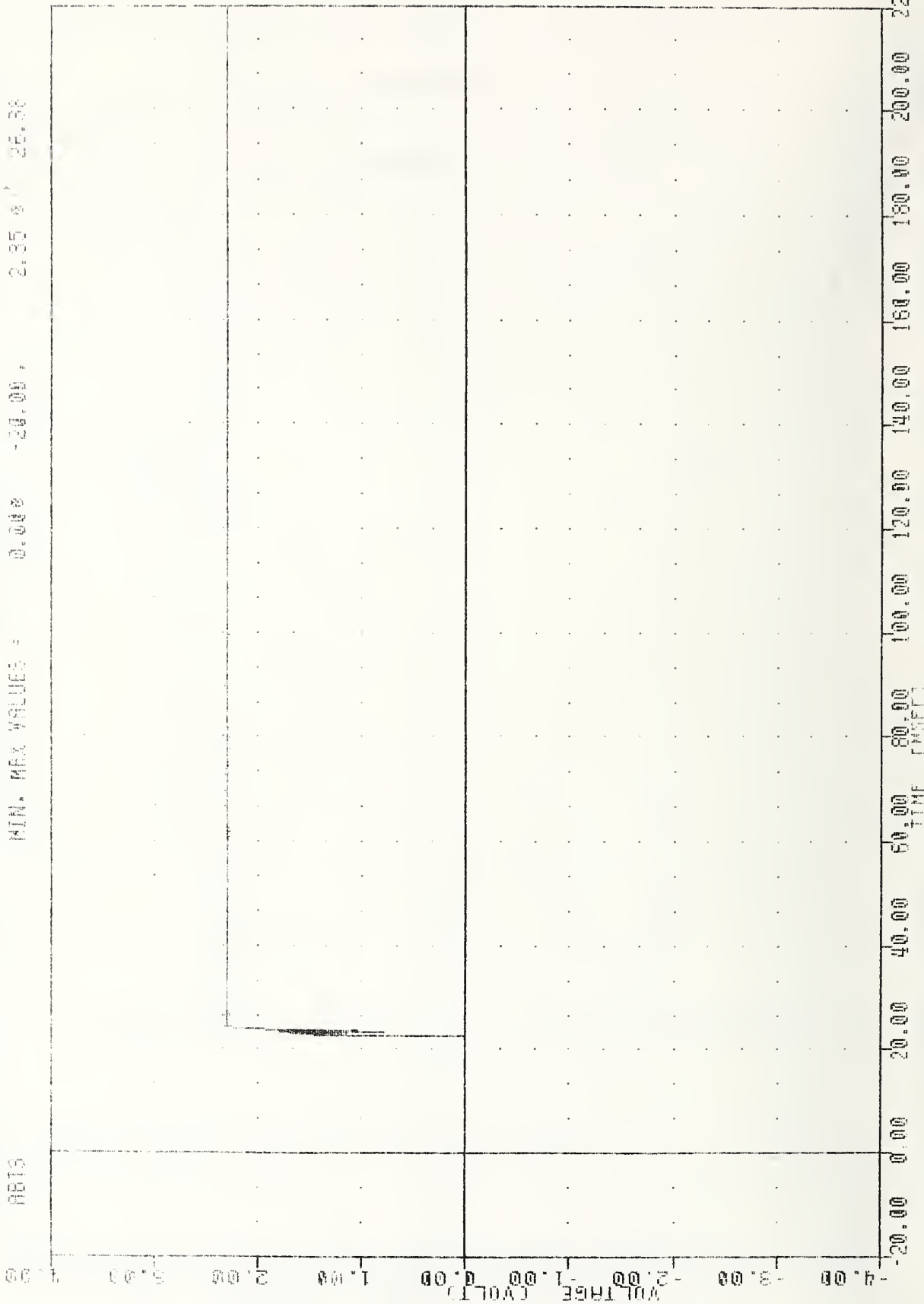


CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
 SEATBELT SUBSTRATE 2

VRTC 7:00:24.00
 BAREO 0.0000000000000000
 85127
 8615

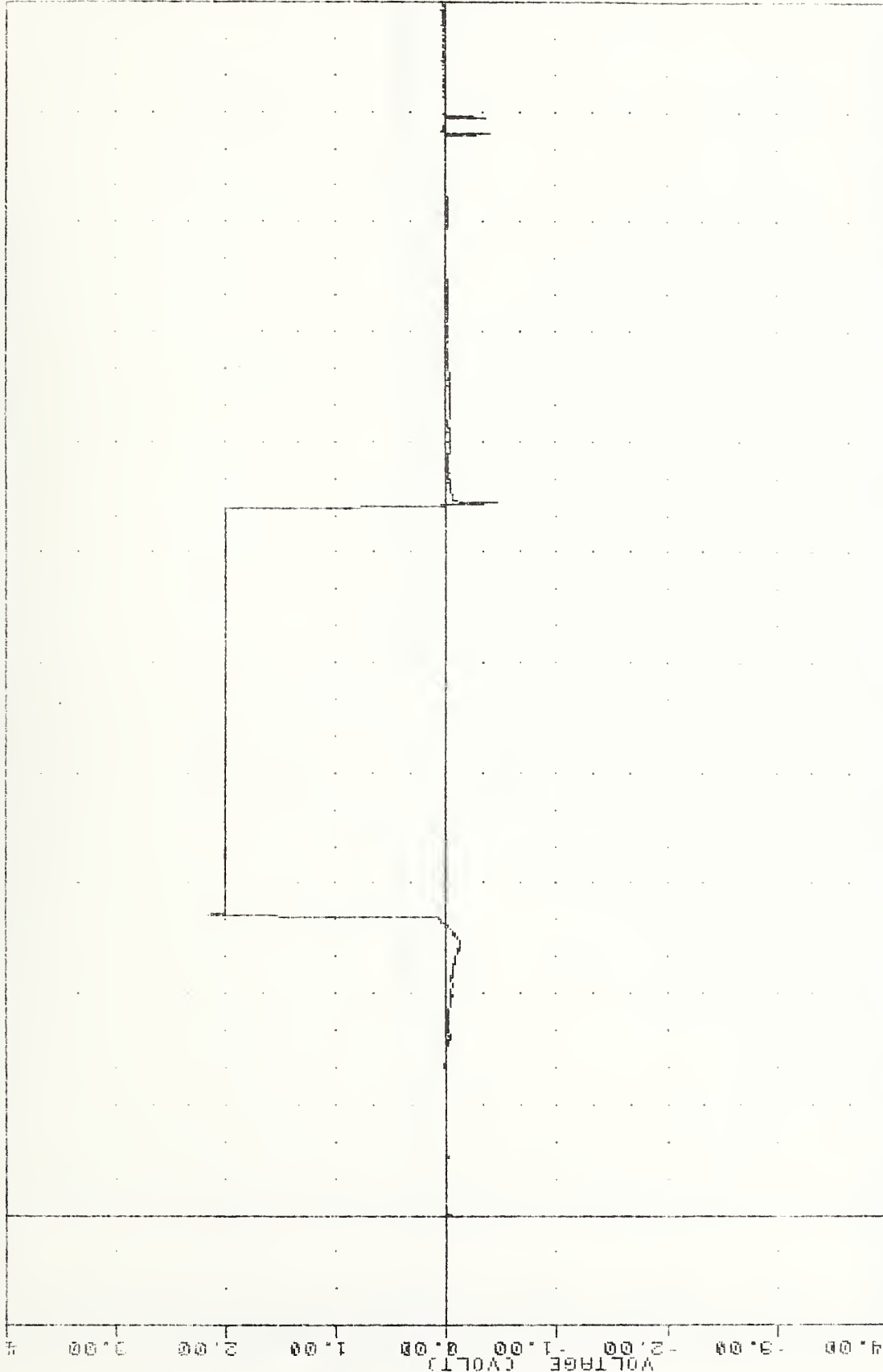
PLOT DATE 7:00:24.00 15:15:12

FILTER = RLFF 1650/ 5214/ -40
 MIN. MAX VALUES = 0.000 -20.00 , 2.35 25.38



CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUNN
 BAREO 0.0000000000000000

85127
 ABT4
 BREC AIRBAG SLED PROGRAM
 05/12/85
 15507 5214.40
 FILTER = ALPF
 MIN, MAX VALUES = -0.47e 2.16 e 54.25
 128.88
 15525180



-4.00
 -3.00
 -2.00
 -1.00
 0.00
 1.00
 2.00
 3.00
 4.00
 VOLTAGE (VOLT)

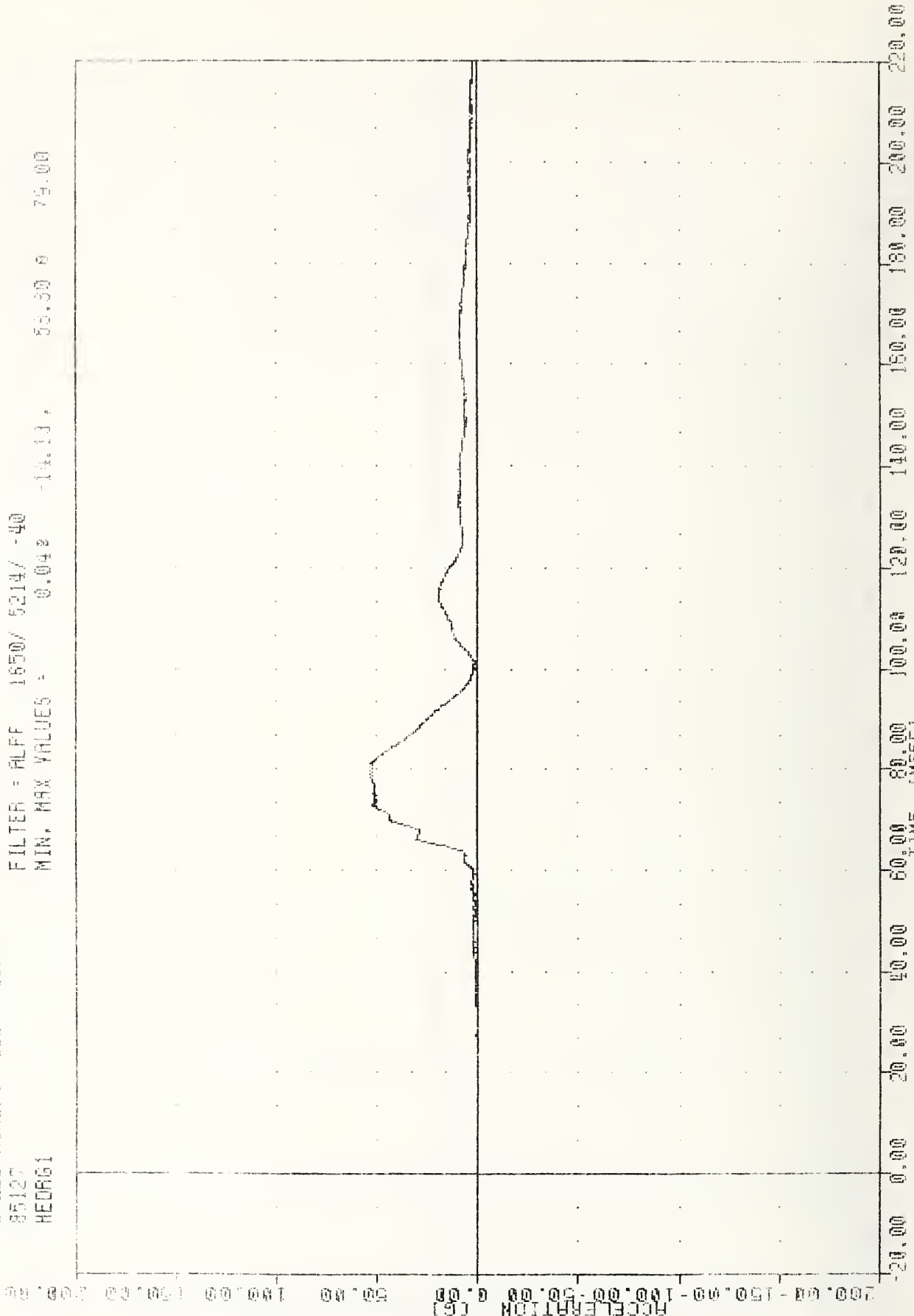
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
 VMEF CONTACT

85127
 HEDR61
 SPEED FILTERS USED BY ARRAY
 85127
 HEDR61

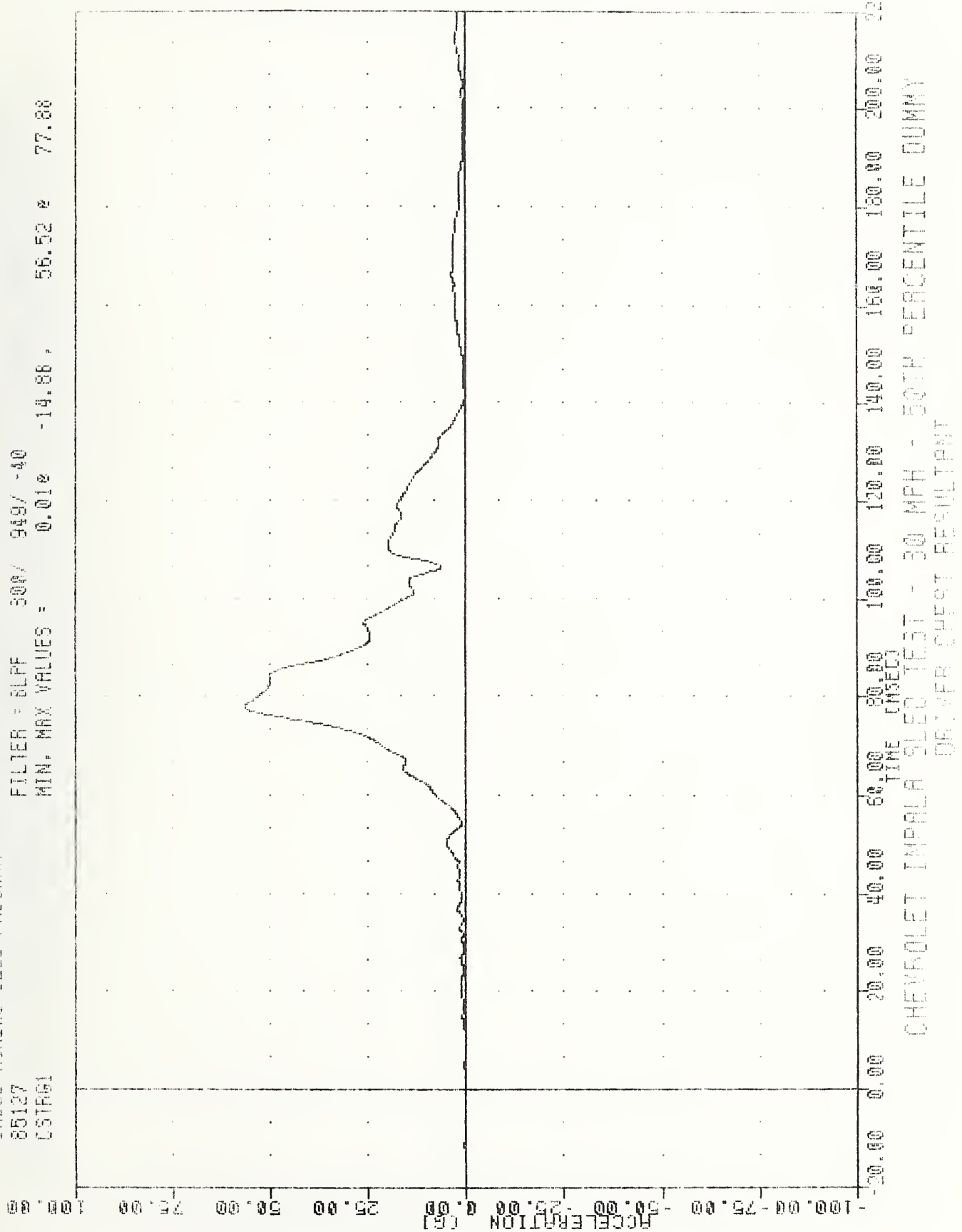
PLOT 567c 80 MPH-90 110-814

FILTER = ALFF 1650/ 5214/ -40
 MIN. MAX VALUES = 0.042 -14.13 56.50 8 79.00



CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD F0111640

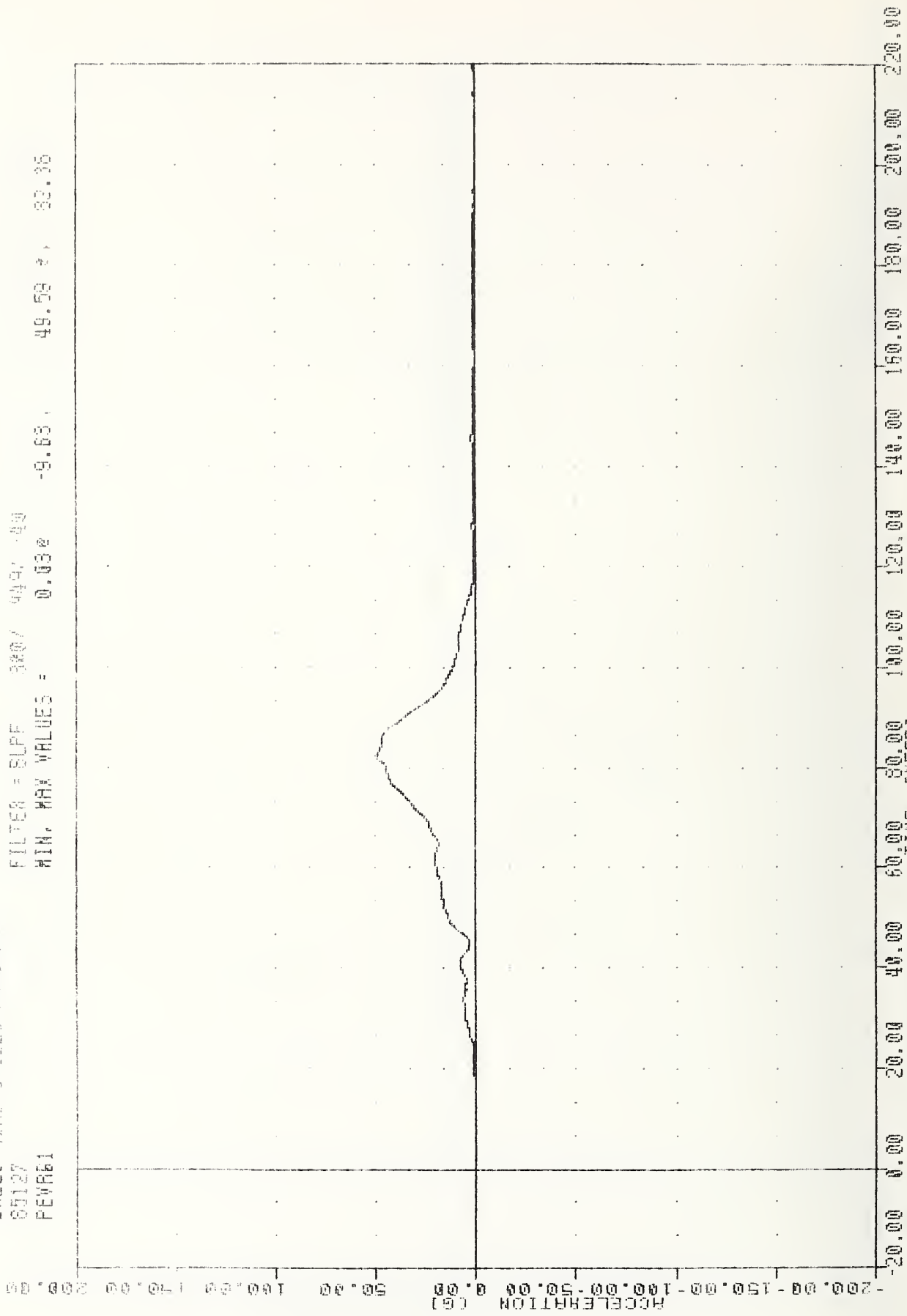
VRTC - FD304 4-25 PLOT DATE 7-MAY-85 15:50:42
 BREED AIRBAG SLED PROGRAM
 85127 FILTER = BLPF 300/ 949/ -40
 CSTRG1 MIN. MAX VALUES = 0.01e -14.86 , 56.52 e 77.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST RESULTANT

VAT:
BREED AIRBAG SLED PAPER
05127
PEVRE1

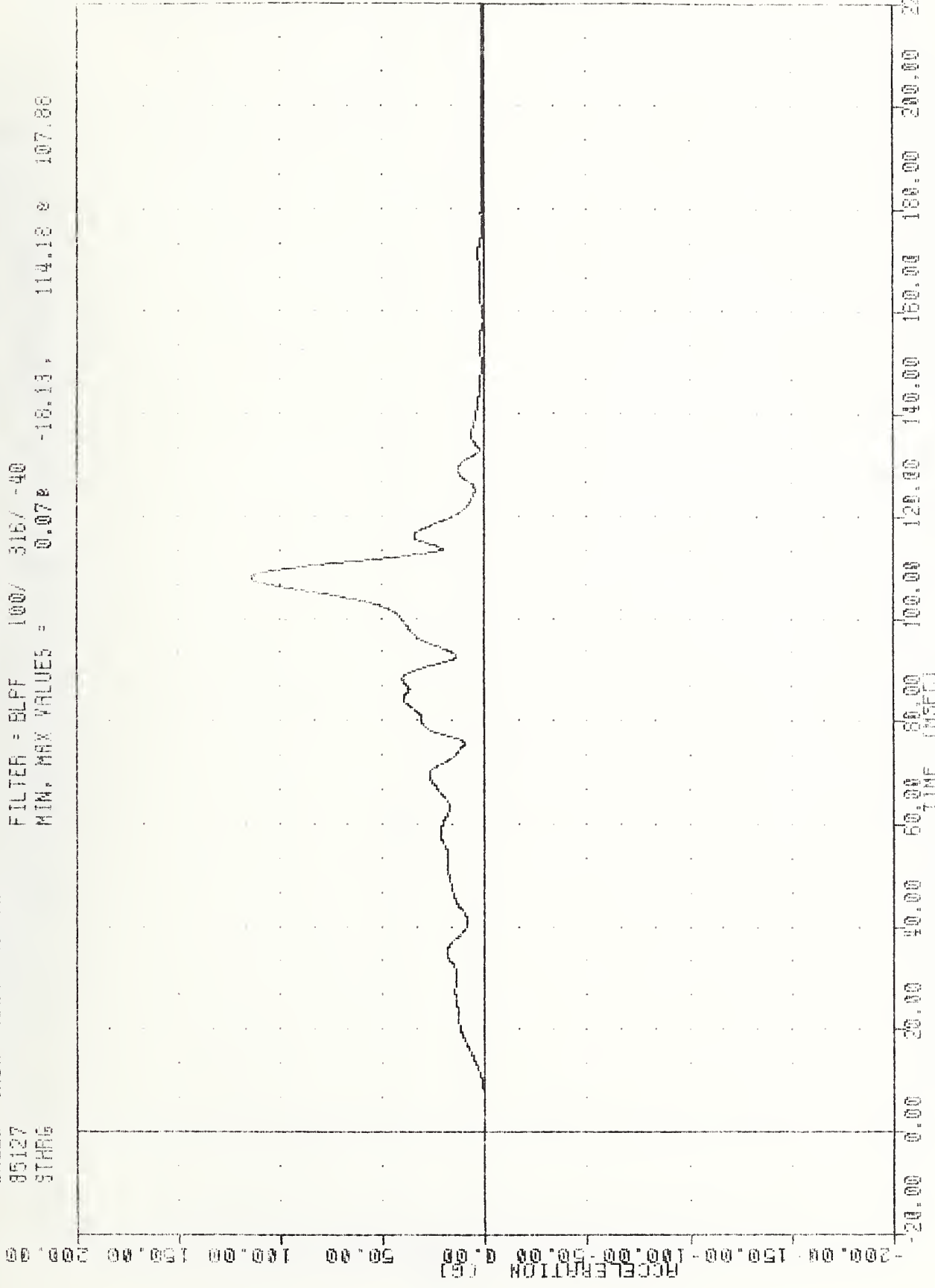
FILTER = SLPF 3007 949.49
MIN. MAX VALUES = 0.03e -9.63 49.59 90.36



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER SEAT'S RESULTANT

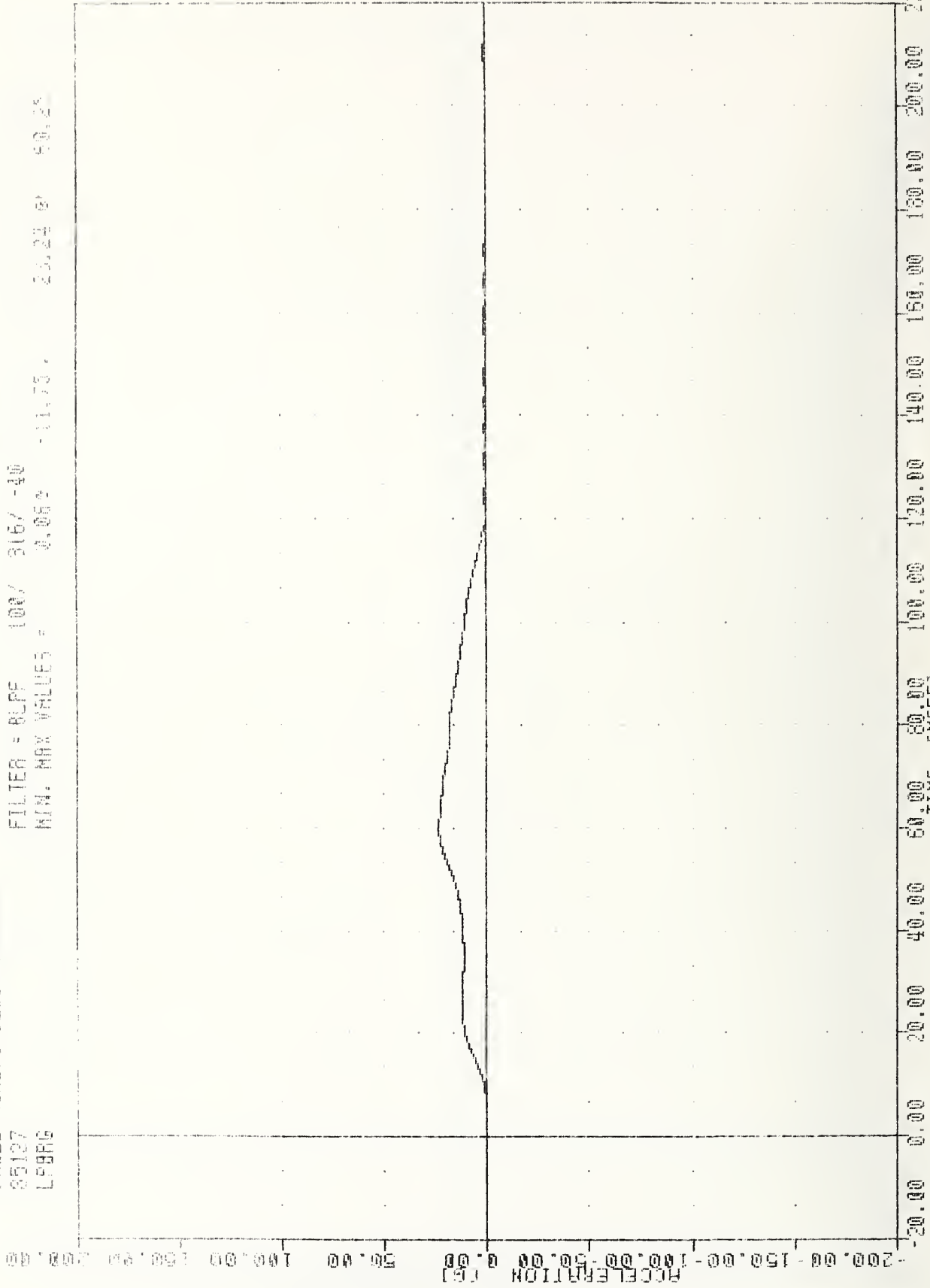
TRTC , R0384-4-26
BRED AIRBORN SLED PROGRAM
85127
STRG

PLOT DATE 7-MAY-85 15:30:42
FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.07g -18.13g 114.1g 107.8g



CHEVROLET IMPALA SLED TEST 30 MPH 50TH PERCENTILE DUMM
STEERING (CONDUCTOR) 1000 REV

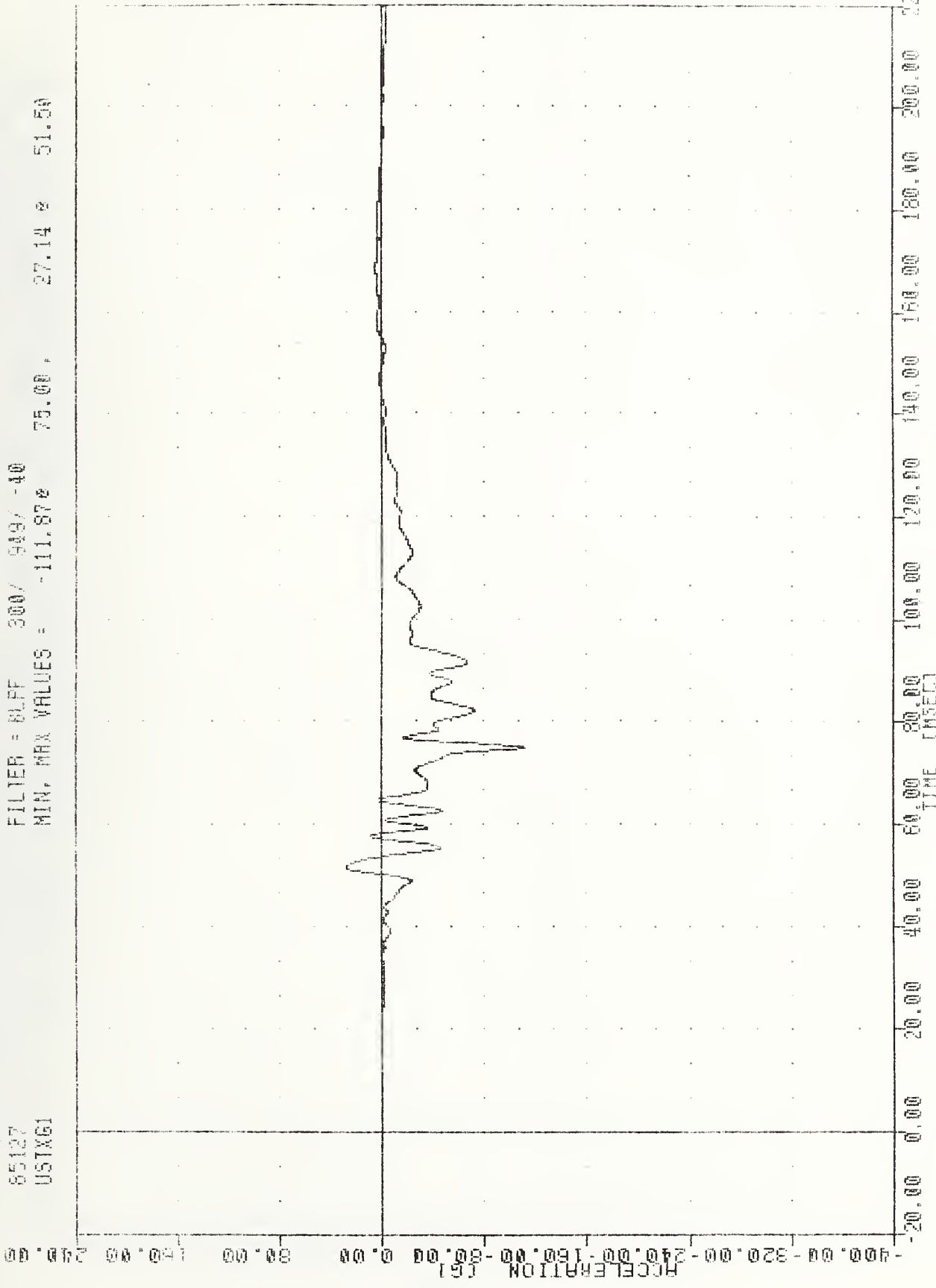
YR 0
 BREED AIRBRG SLEG PRD 0
 35127
 LPBRG
 19:00:44
 FILTER = BLFF 100/ 316/ -40
 MIN. MAX VALUES = 0.062 -11.73 23.24 61 50.25



CHEVROLET IMPALA SLEETEST - 70 MPH - PATH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION

1511 08064-4-26 7-487-05 15:25:40
 BREED AIRBAG SLED PROGRAM
 85127
 USTXG1

FILTER = BLFF 300/ 949/ -40
 MIN. MAX VALUES = -111.87% 75.00, 27.14 % 51.50



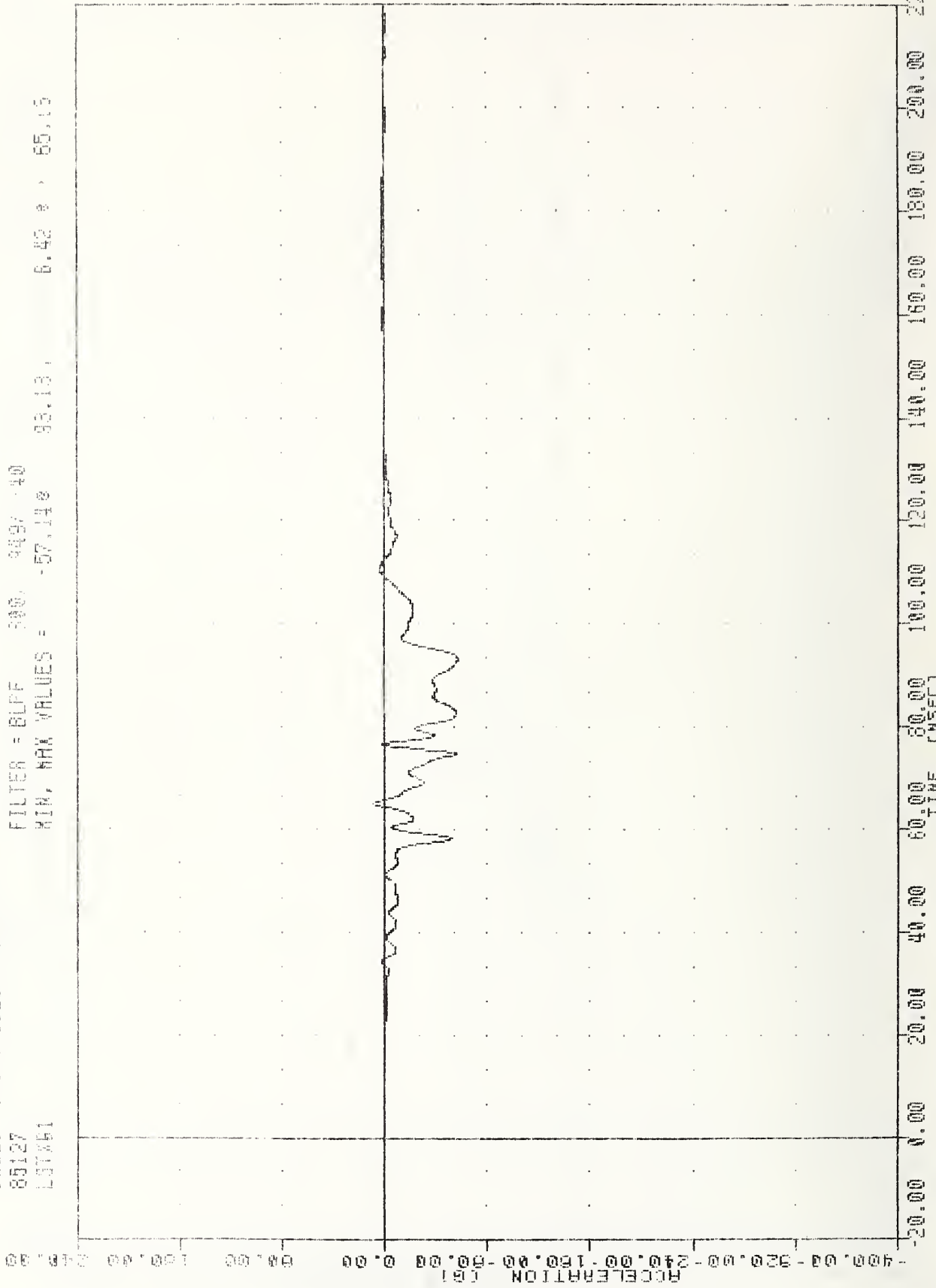
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 AIRBAG USED STRAPED TO SEAT

VATC : 80.04-4 26
BREED AIRWAYS SLED PROGRAM
85127
LSTY61

TEST SPEED : 90 MPH

FILTER = BLPF 500. 9997 140

MIN, MAX VALUES = -57.140 93.13, 6.42 * 65.15

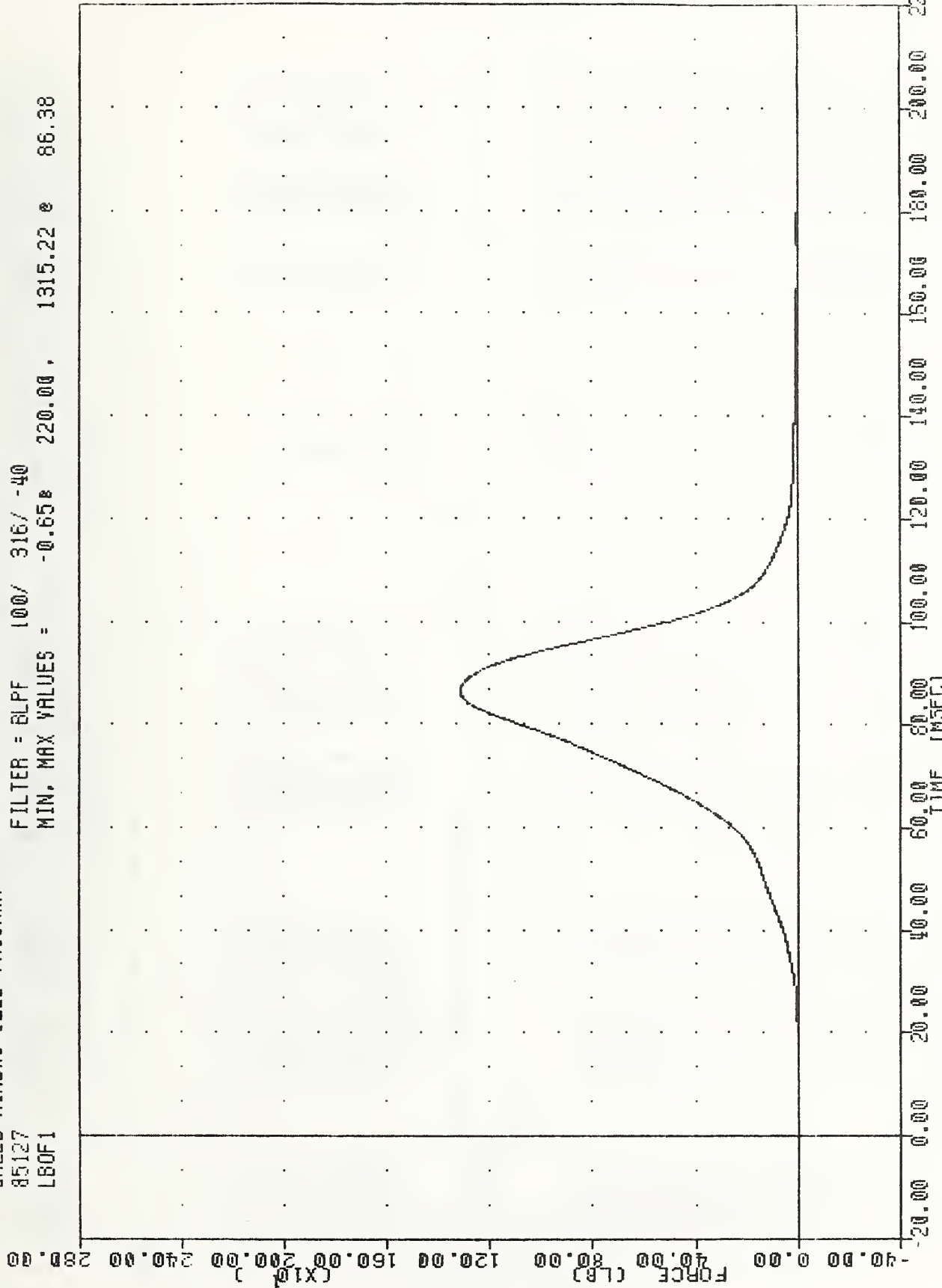


CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
DRIVER, LOWER STERION ACCELERATION, AXIS

VRTC , RD384-4-26
BREED AIRBAG SLED PROGRAM
85127
L80F1

PLOT DATE 9-MAY-85 10:16:08

FILTER = 8LPF 100/ 316/ -40
MIN. MAX VALUES = -0.65* 220.00 , 1315.22 * 86.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS

TRC434P. RAD; 1
 VRTC RD384-4-27 BREED AIRBAG SLED PROGRAM 9-MAY-85 09:44
 85128 30.00 mph

EVENT	Min value	Max value	Data Units	Filter
1	-0.066 @	1.477 @	volt	ALPF 1650/ 5214/ -40
2	-33.012 @	0.154 @	mph	ALPF 100/ 316/ -40
3	-23.400 @	1.324 @	g	BLPF 100/ 316/ -40
4	-105.570 @	43.164 @	g	ALPF 1650/ 5214/ -40
5	-5.926 @	9.724 @	g	ALPF 1650/ 5214/ -40
6	-21.810 @	136.289 @	g	ALPF 1650/ 5214/ -40
7	-100.239 @	4.654 @	g	BLPF 300/ 949/ -40
8	-4.834 @	10.216 @	g	BLPF 300/ 949/ -40
9	-9.513 @	24.118 @	g	BLPF 300/ 949/ -40
10	-264.832 @	120.631 @	g	BLPF 300/ 949/ -40
11	-172.001 @	160.666 @	g	BLPF 300/ 949/ -40
12	-61.098 @	6.223 @	g	BLPF 300/ 949/ -40
13	-5.740 @	8.595 @	g	BLPF 300/ 949/ -40
14	-21.196 @	1.266 @	g	BLPF 300/ 949/ -40
15	-2543.490 @	9.508 @	lb	BLPF 1000/ 3162/ -40
16	-1216.323 @	51.972 @	lb	BLPF 1000/ 3162/ -40
17	-23.427 @	2.022 @	g	BLPF 100/ 316/ -40
18	-2.704 @	2.730 @	g	BLPF 100/ 316/ -40
19	-1.715 @	1.836 @	g	BLPF 100/ 316/ -40
20	-0.004 @	2.398 @	volt	ALPF 1650/ 5214/ -40
21	-0.526 @	9.987 @	volt	ALPF 1650/ 5214/ -40

TRC434IP. RAD; 1
 VRTC RD384-4-27 BREED AIRBAG SLED PROGRAM 9-MAY-85 09:44
 85128 30.00 mph

EVENT	Min value	Max value	Data Units	Filter
1	-41.242 @	1.919 @	mph	BLPF 300/ 949/ -40
2	-49.523 @	0.932 @	in	BLPF 300/ 949/ -40
3	-39.234 @	-0.137 @	mph	BLPF 300/ 949/ -40
4	-52.472 @	-0.079 @	in	BLPF 300/ 949/ -40
5	-30.336 @	0.015 @	mph	BLPF 300/ 949/ -40
6	-45.107 @	0.011 @	in	BLPF 300/ 949/ -40
7	-32.459 @	0.020 @	mph	BLPF 300/ 949/ -40
8	-62.144 @	0.013 @	in	BLPF 300/ 949/ -40
9	-31.589 @	0.272 @	mph	BLPF 300/ 949/ -40
10	-59.147 @	0.221 @	in	BLPF 300/ 949/ -40

TRC434RP. RAD; 1
 VRTC RD384-4-27 BREED AIRBAG SLED PROGRAM 9-MAY-85 09:44
 85128 30.00 mph

EVENT	Min value	Max value	Data Units	Filter
1	0.037 @	172.299 @	g	ALPF 1650/ 5214/ -40
2	0.013 @	101.096 @	g	BLPF 300/ 949/ -40
3	0.059 @	63.596 @	g	BLPF 300/ 949/ -40
4	0.116 @	23.440 @	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC434RP.RAD;1
VRTC RD384-4-27 BREED AIRBAG SLED PROGRAM
85128 30.00 mph

* * * HIC computation for HEDRG1 9-MAY-85 09:43
Using time range = 0.000 to 135.625 msec Peak accel = 172.30 @ 91.500
HIC = 650.57 Interval from 87.250 [859] to 128.500 [1189]
HIC = 347.36 Interval from 90.500 [885] to 105.500 [1005]

R SYSF:THREEMX\X\S
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC434RP
File TRC434RP -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-27 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 LPRRG
Enter channel name -> CSTRG1
[SLED,BREED]TRC434RP.RAD;1 VRTC RD384-4-27
BREED AIRBAG SLED PROGRAM 30.0 mph 85128
Deltax: 0.125
3 MS CLIP PEAK: 90.20337

Please run LSTRAD on this channel for the full time
and save it to the project manager to double-check peak

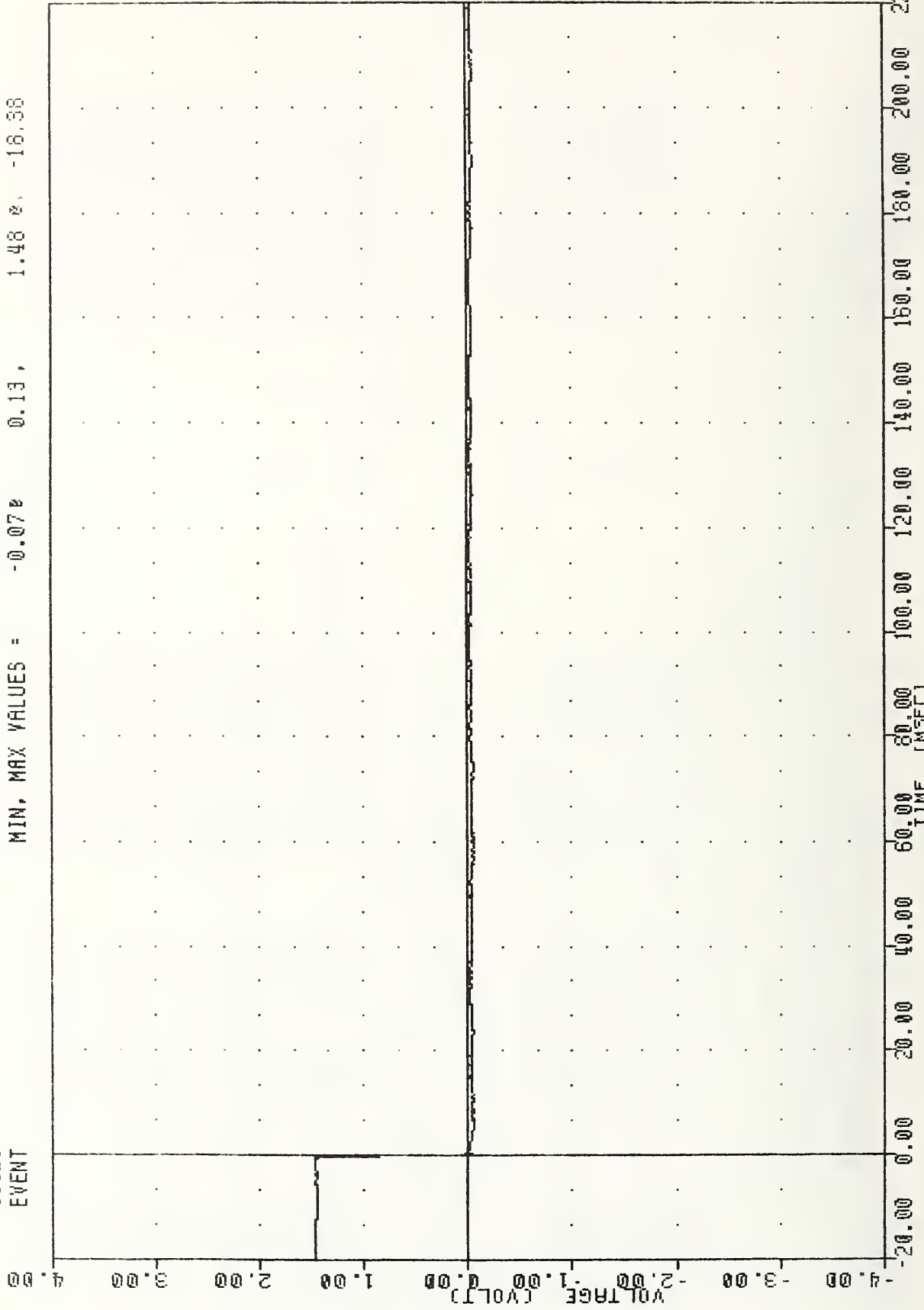
Enter channel name -> EXIT
Enter input filespec -> EXIT
\$

VRIC , 80384-4-27
BREED AIRBAG SLED PROGRAM
85128
EVENT

PLOT DATE 9-MAY-85 15:54:01

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.07e 0.13, 1.48 e, -18.38

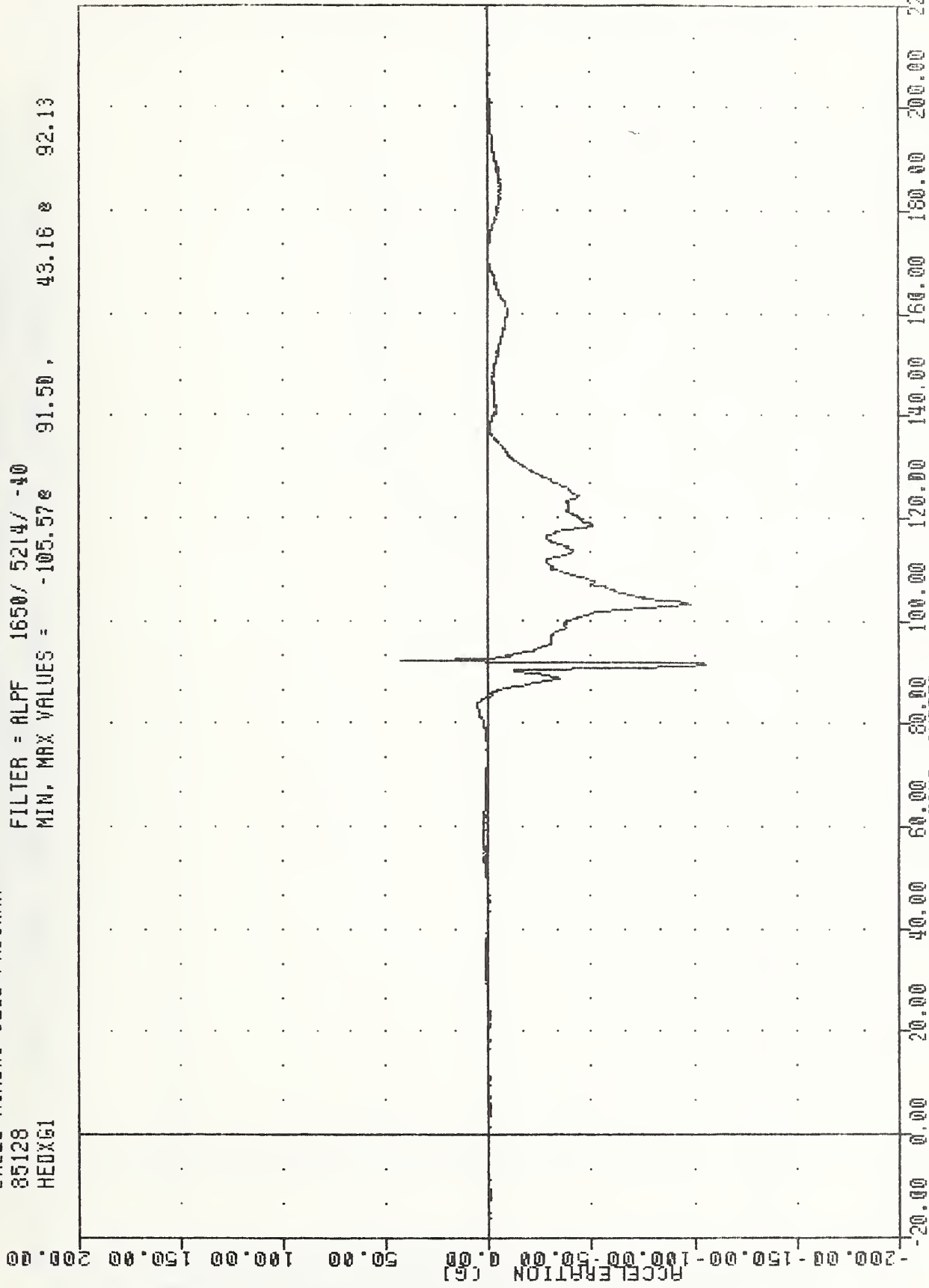


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
EVENT

VRTC , RD384-4-27
BRAED AIRBAG SLED PROGRAM
85128
HEDXG1

PLOT DATE 9-MAY-85 15:54:01

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -105.57e 91.50 , 43.16 e 92.13

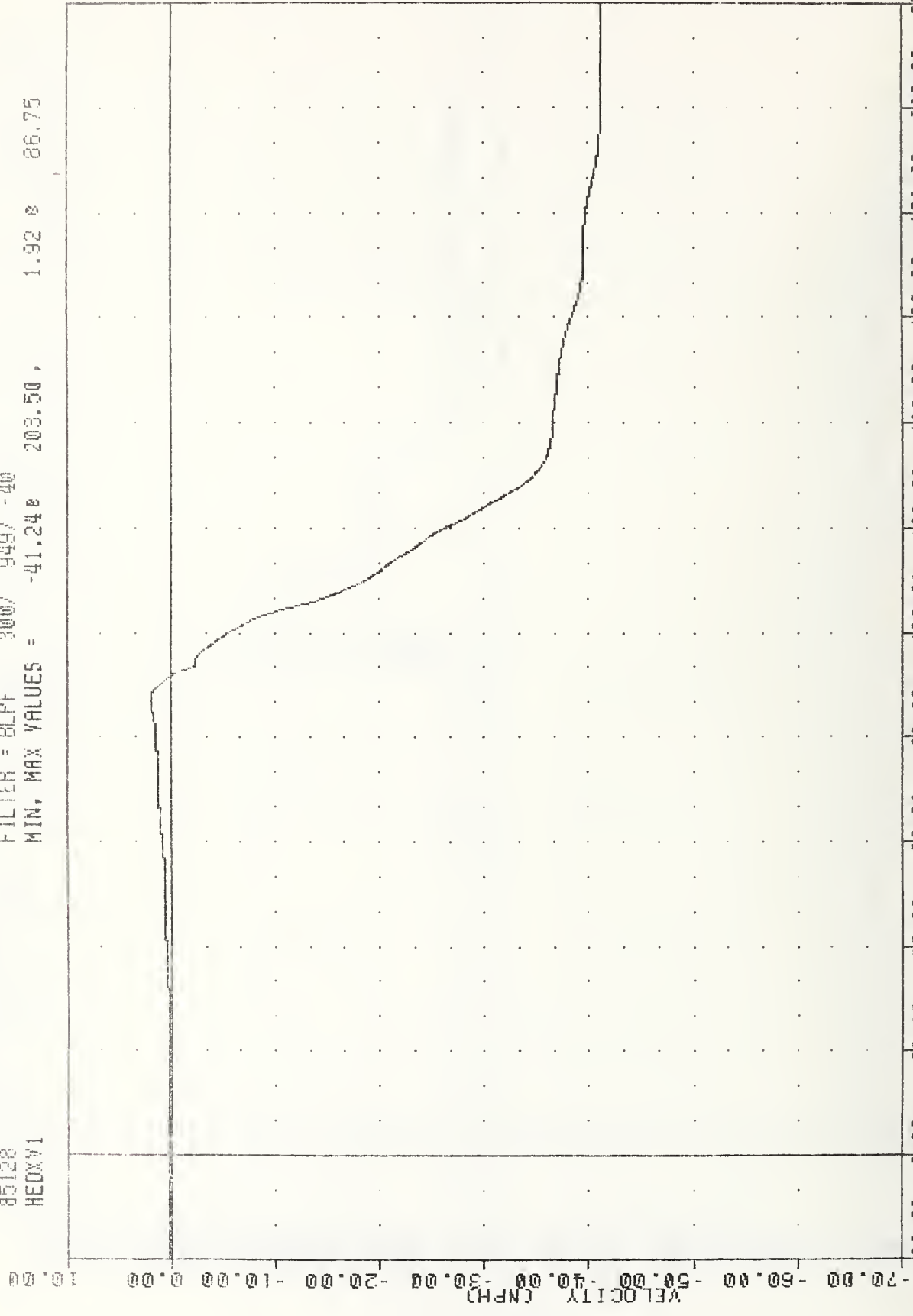


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC
85128
HEOVV1

RD324-4-27
BRED HIABRG SLED PROGRAM
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -41.240 203.50 ,

10-MAY-65 11:10:50
1.92 0 86.75



009

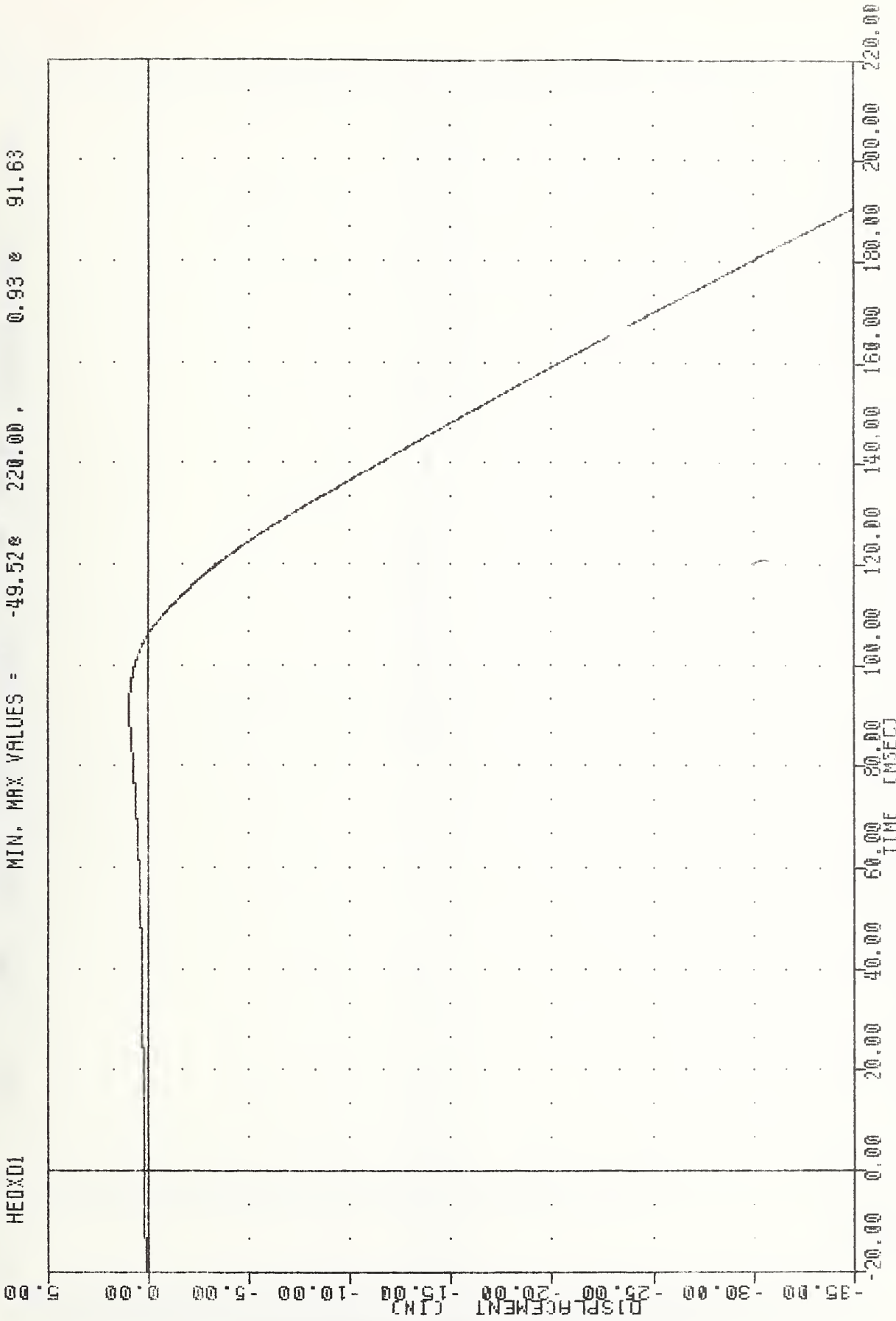
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDYGI

VRTC , RD384-4-27
BRAED AIRBAG SLED PROGRAM
85128
HEXD01

PLOT DATE 10-MAY-85 11:10:50

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -49.52% 220.00, 0.93% 91.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING HEDXV1

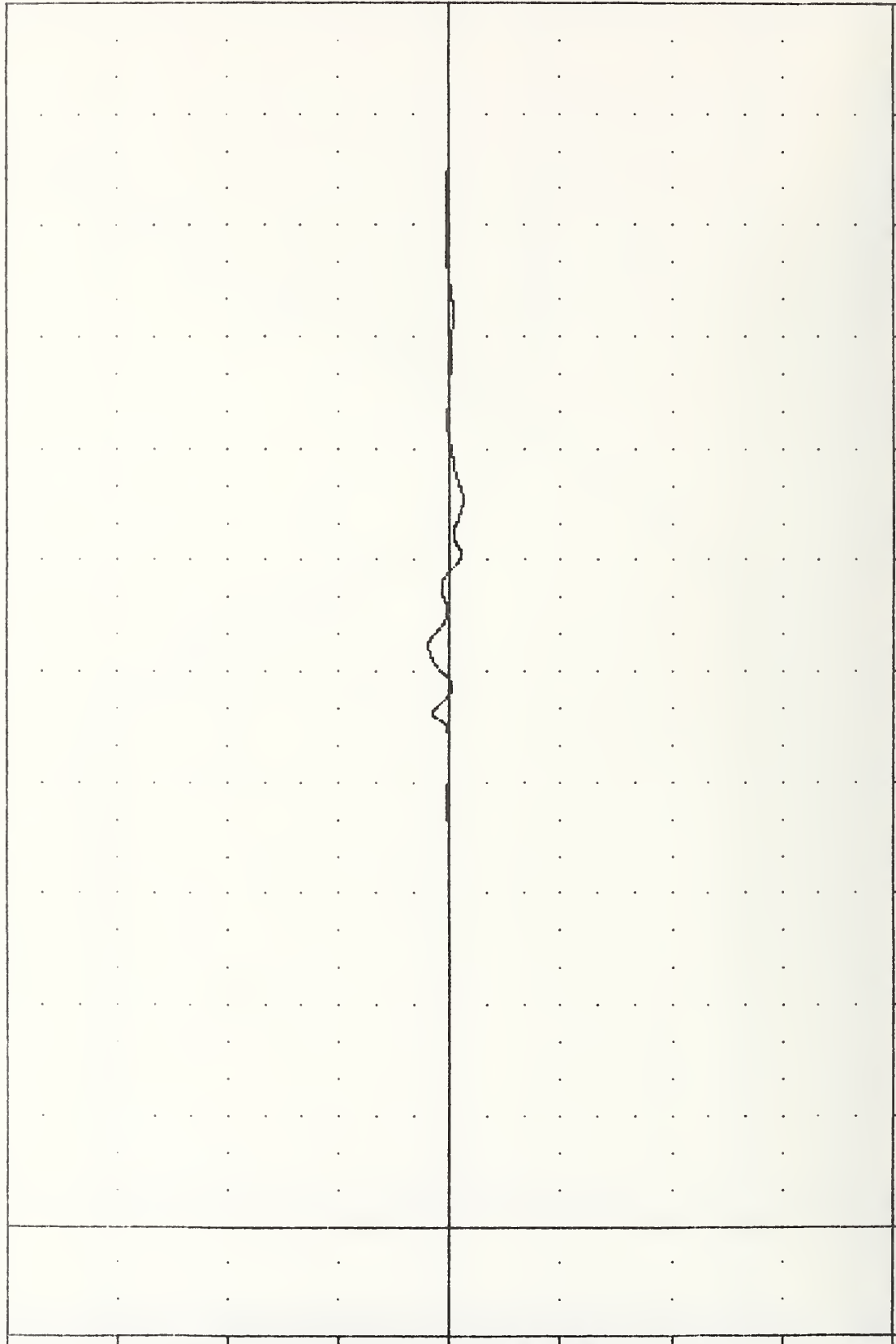
VRTC RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
HEDY61

PLOT DATE 9-MAY-85 15:54:01

FILTER = ALPF 1650/ 5214/ .40

MIN. MAX VALUES = -5.93e 130.38 , 9.72 e 104.25

ACCELERATION (G)



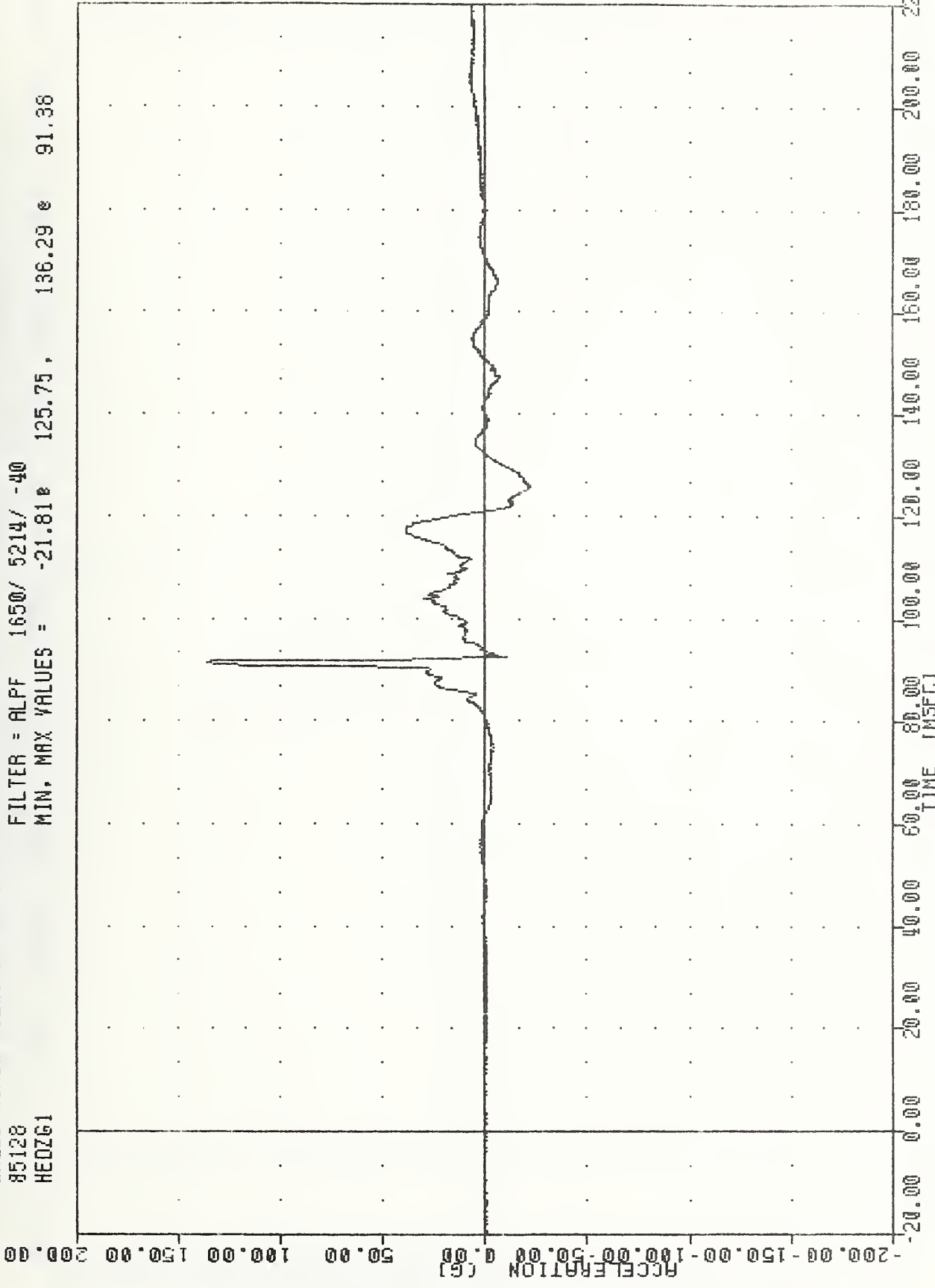
200.00
150.00
100.00
50.00
0.00
-50.00
-100.00
-150.00
-200.00

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

VRTC , RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
HEOZG1

PLOT DATE 9-MAY-85 15:54:01

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -21.81g 125.75, 136.29 g 91.36

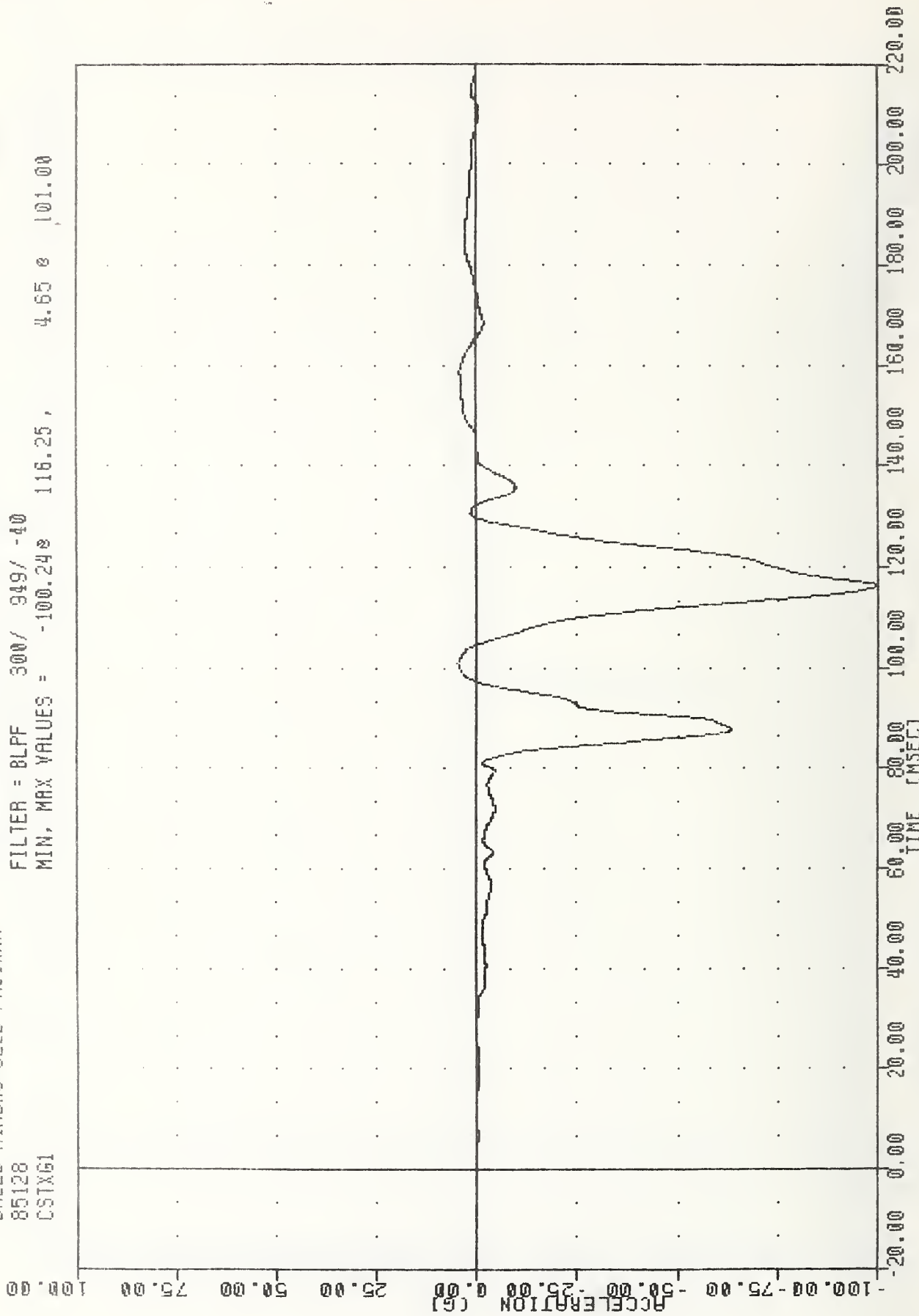


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-27
BRAED AIRBAG SLED PROGRAM
85128
CSTX61

PLOT DATE 9-MAY-85 15:54:01

FILTER = 8LPF 300/ 349/ -40
MIN, MAX VALUES = -100.24g 116.25 , 4.65 g 101.00



CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

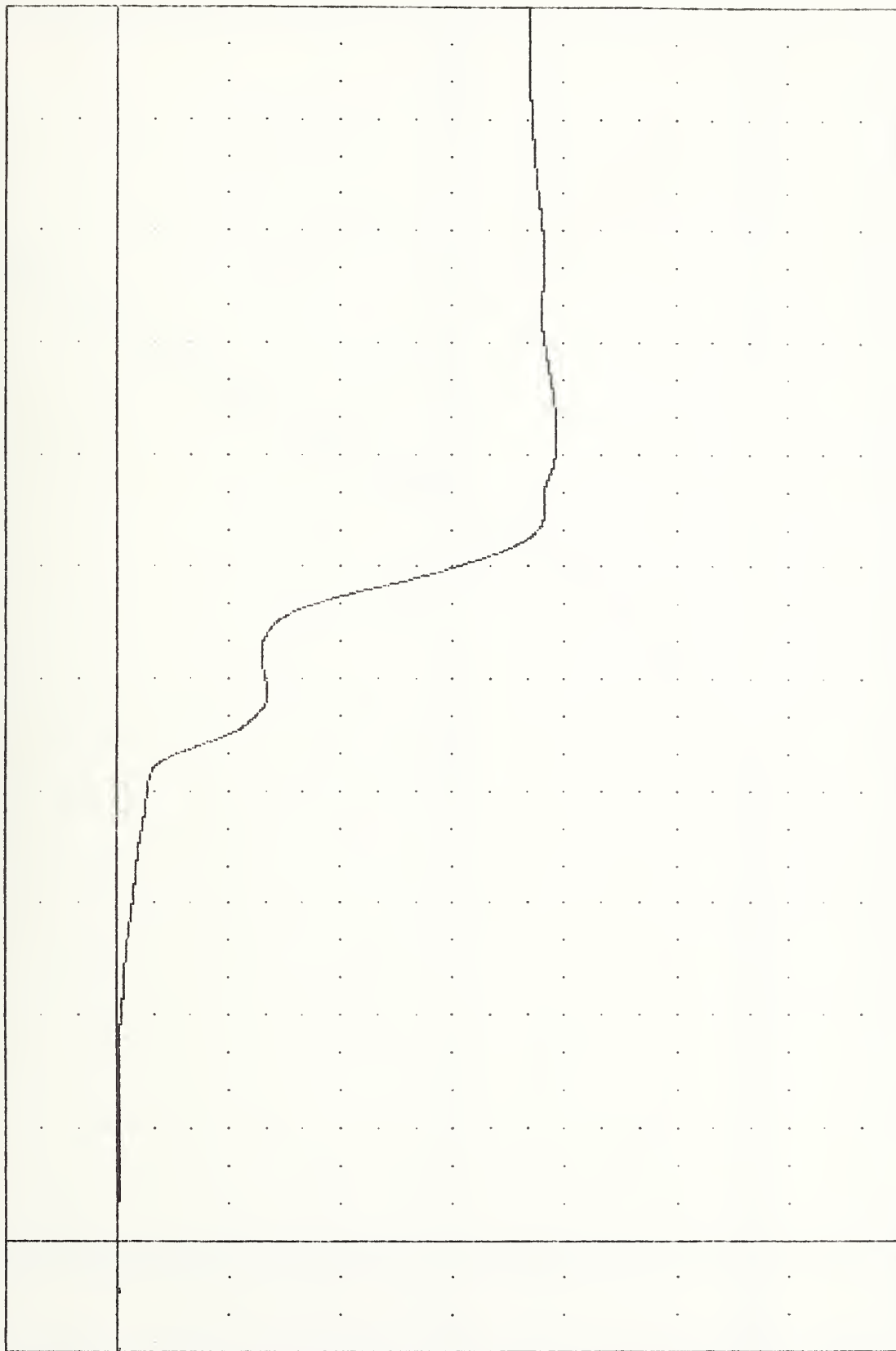
YBTC , RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
CSTXV1

PLOT DATE 10-MAY-85 11:10:50

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -39.23e 143.00 , -0.14 e 0.13

10.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.00



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC
85128
CSTXD1

80384-4-27

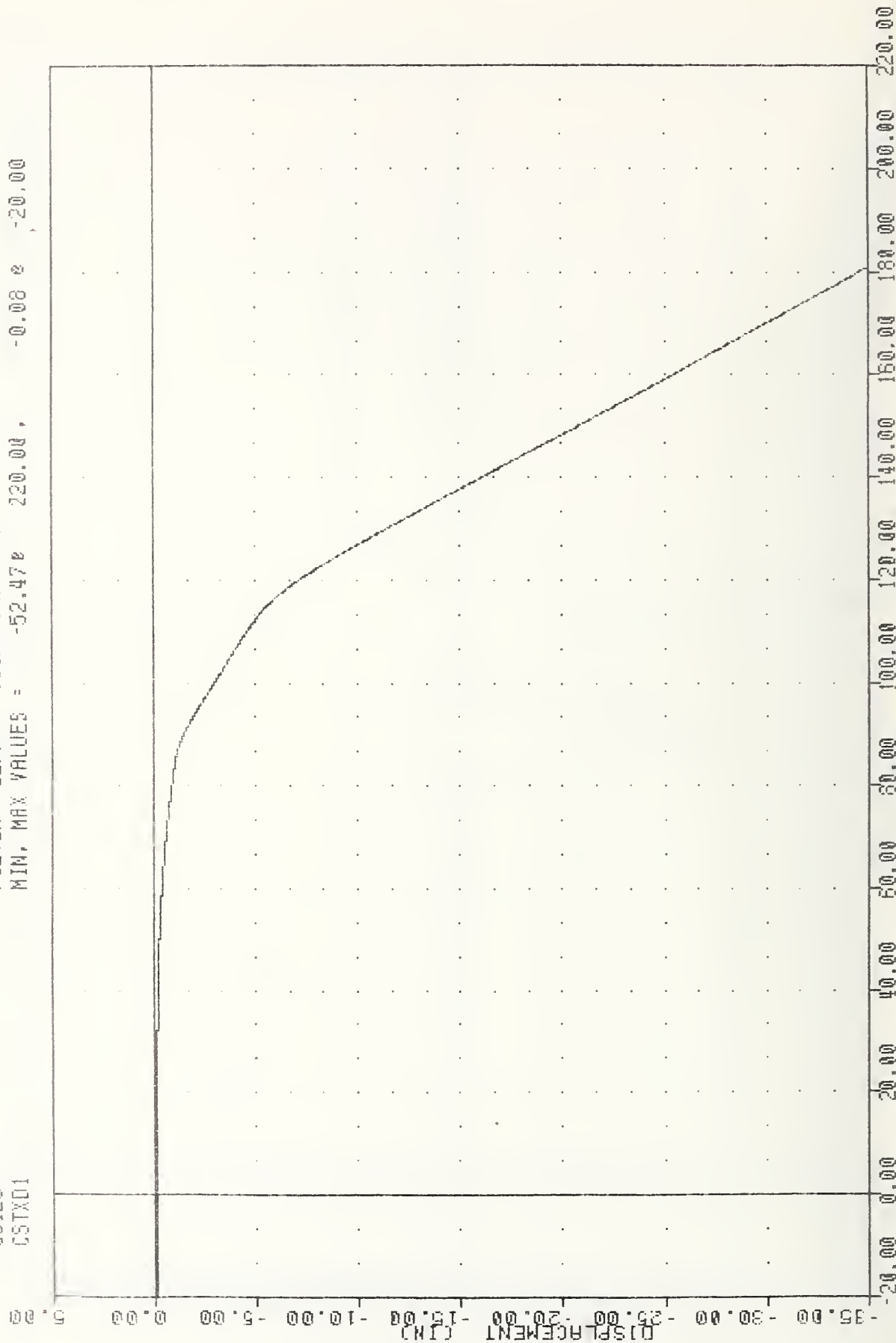
10-MAY-85

11:11:53

BREED AIRBAG SLED PROGRAM

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -52.47 e 220.00 e -0.08 e -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

DELTA X USING CSTXV1

WATC , RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
C3TY61

PLOT DATE 9-MAY-85 15:54:01

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -4.83e 91.38 , 10.22 e 110.63

100.00

75.00

50.00

25.00

ACCELERATION (G)

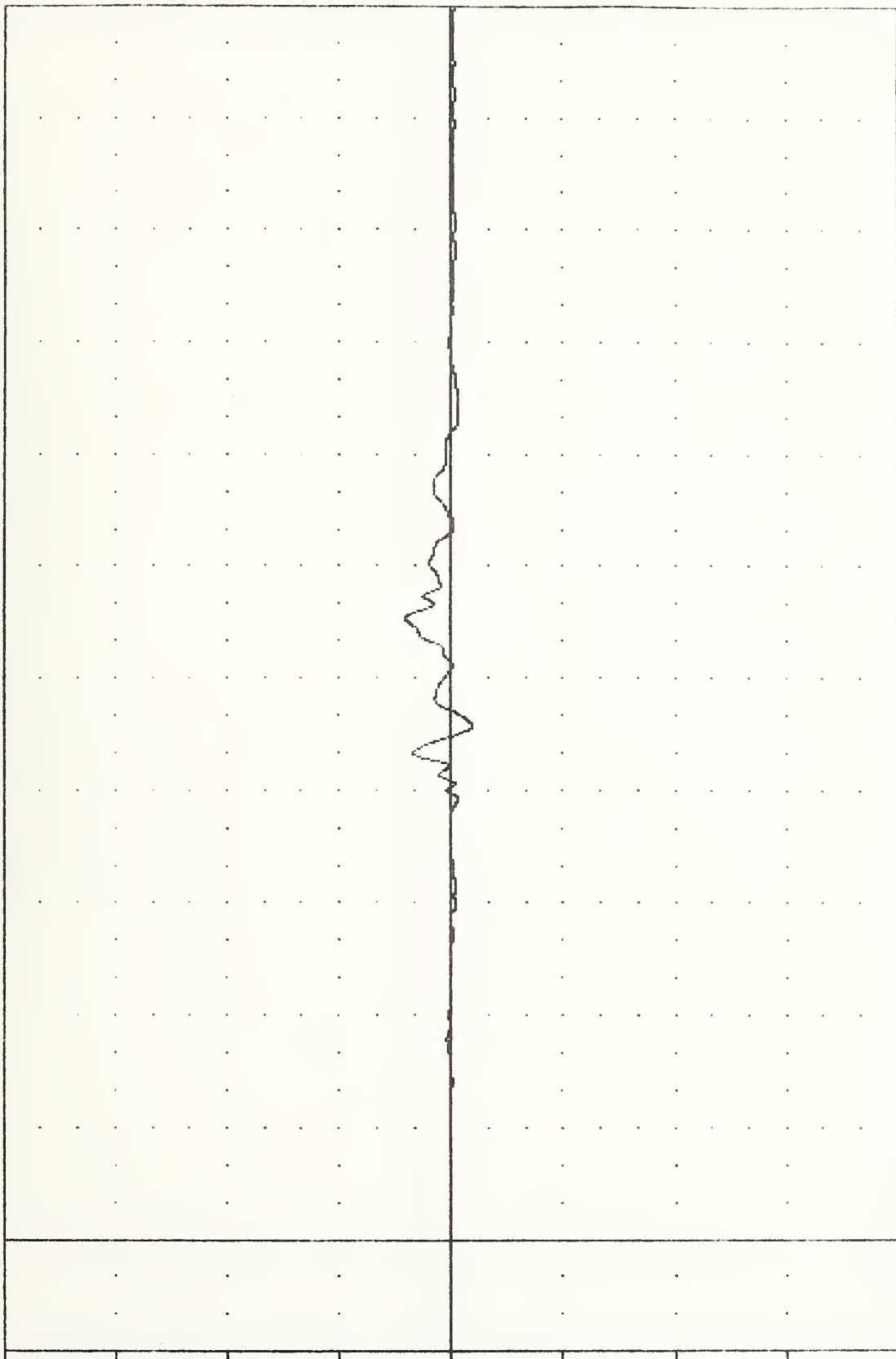
0.00

-25.00

-50.00

-75.00

-100.00



20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

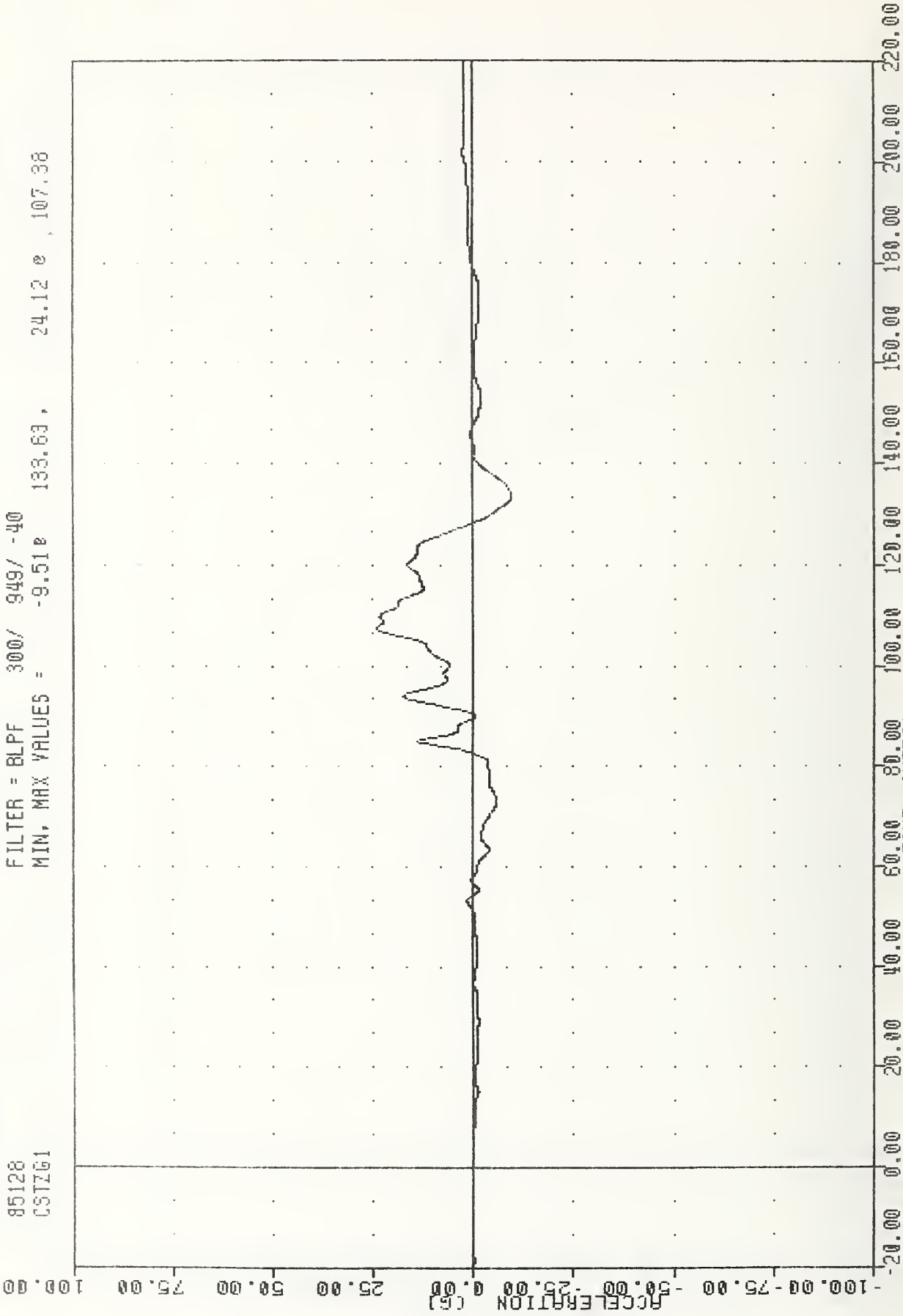
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-27
BRAED AIRBAG SLED PROGRAM
85128
CSTZG1

PLOT DATE 9-MAY-85 15:54:01

FILTER = BLPF 300/ 949/ -40

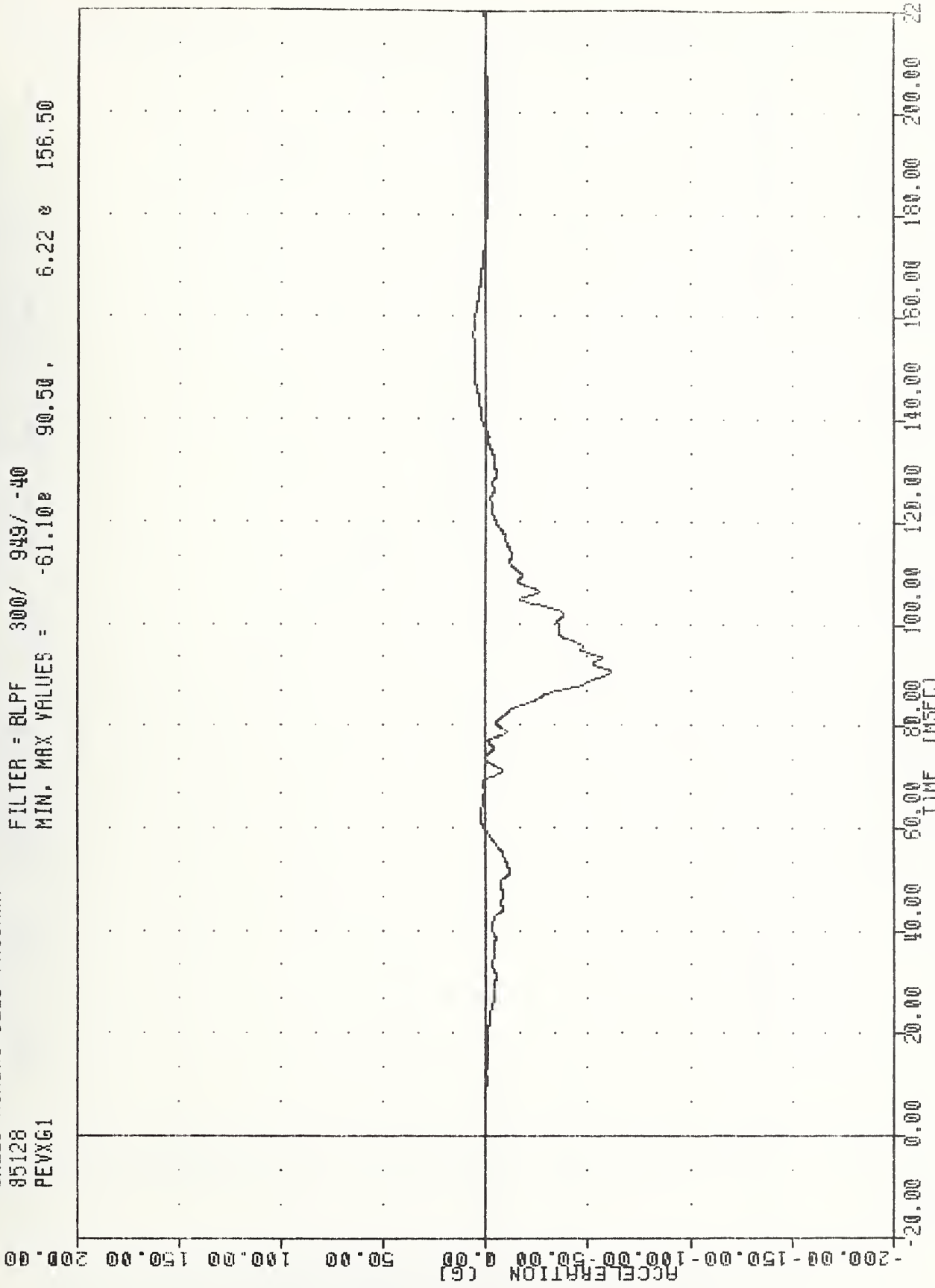
MIN, MAX VALUES = -9.51e 133.63, 24.12 e , 107.38



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRTC , R0384-4-27
BREED AIRBAG SLED PROGRAM
85128
PEVXG1

PLOT DATE 9-MAY-85 15:54:01
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -61.10e 90.50, 6.22 e 156.50

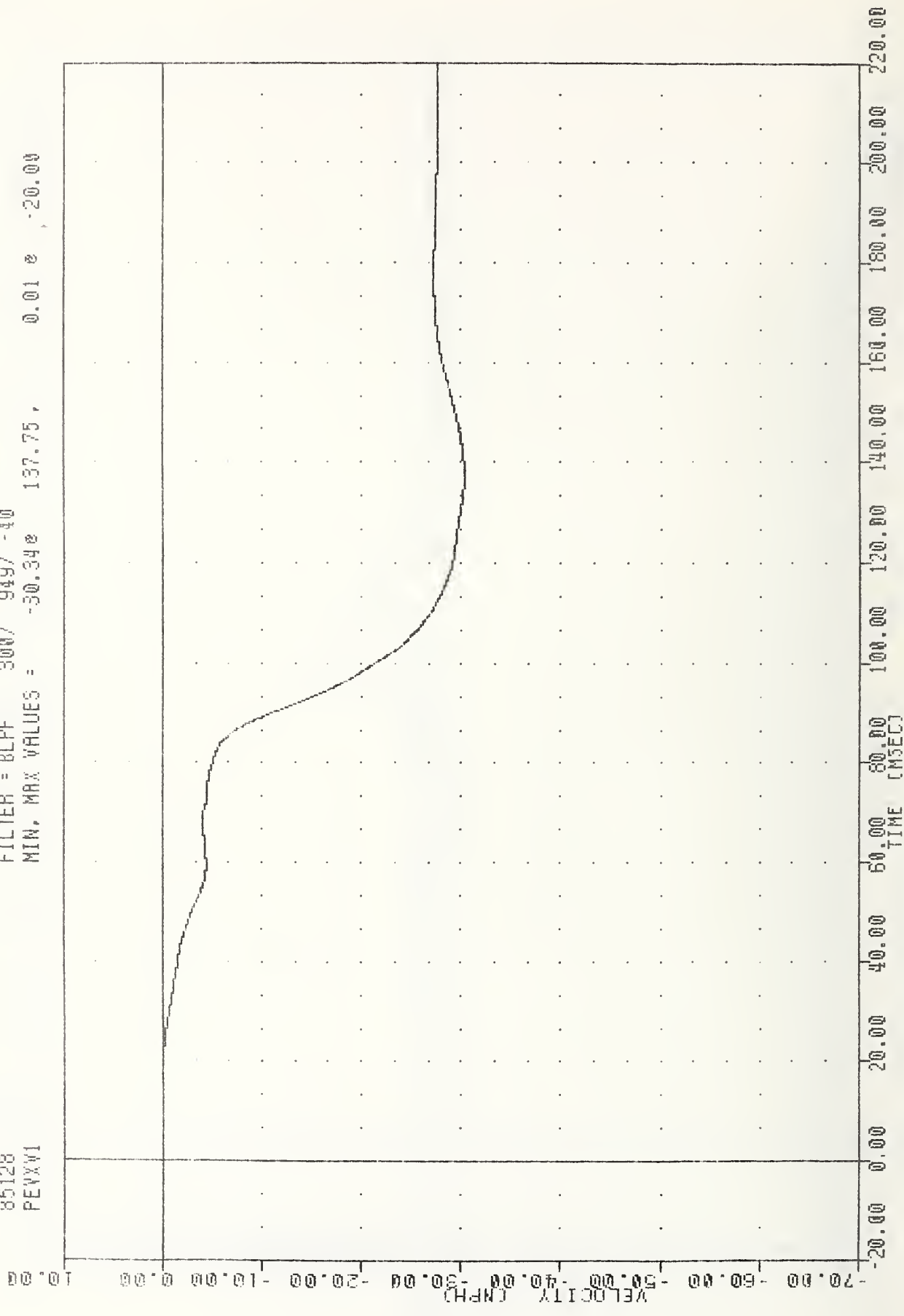


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD304-4-27
SPEED AIRBAG SLED PROGRAM
85128
PEVXW1

PLOT DATE 10-MAY-85 11:11:53

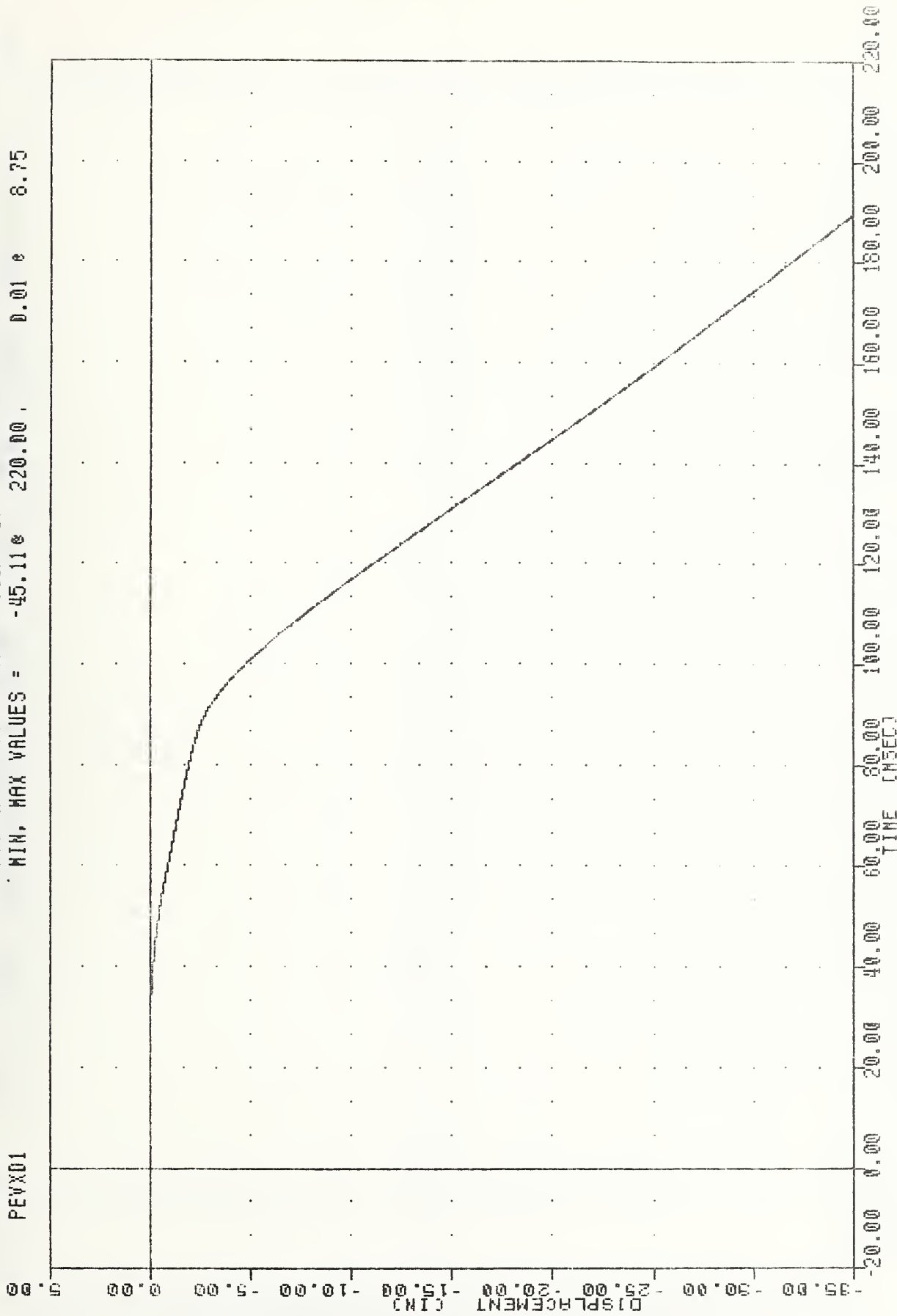
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -30.34e 137.75 , 0.01 e , -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA W USING PEVXW1

WRTC
BREQ AIRBAG SLED PROGRAM
85126
PEVX01

FLOT DATE 10-MAY-85 11:11:53
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -45.11e 220.00 , 0.01 e 6.75

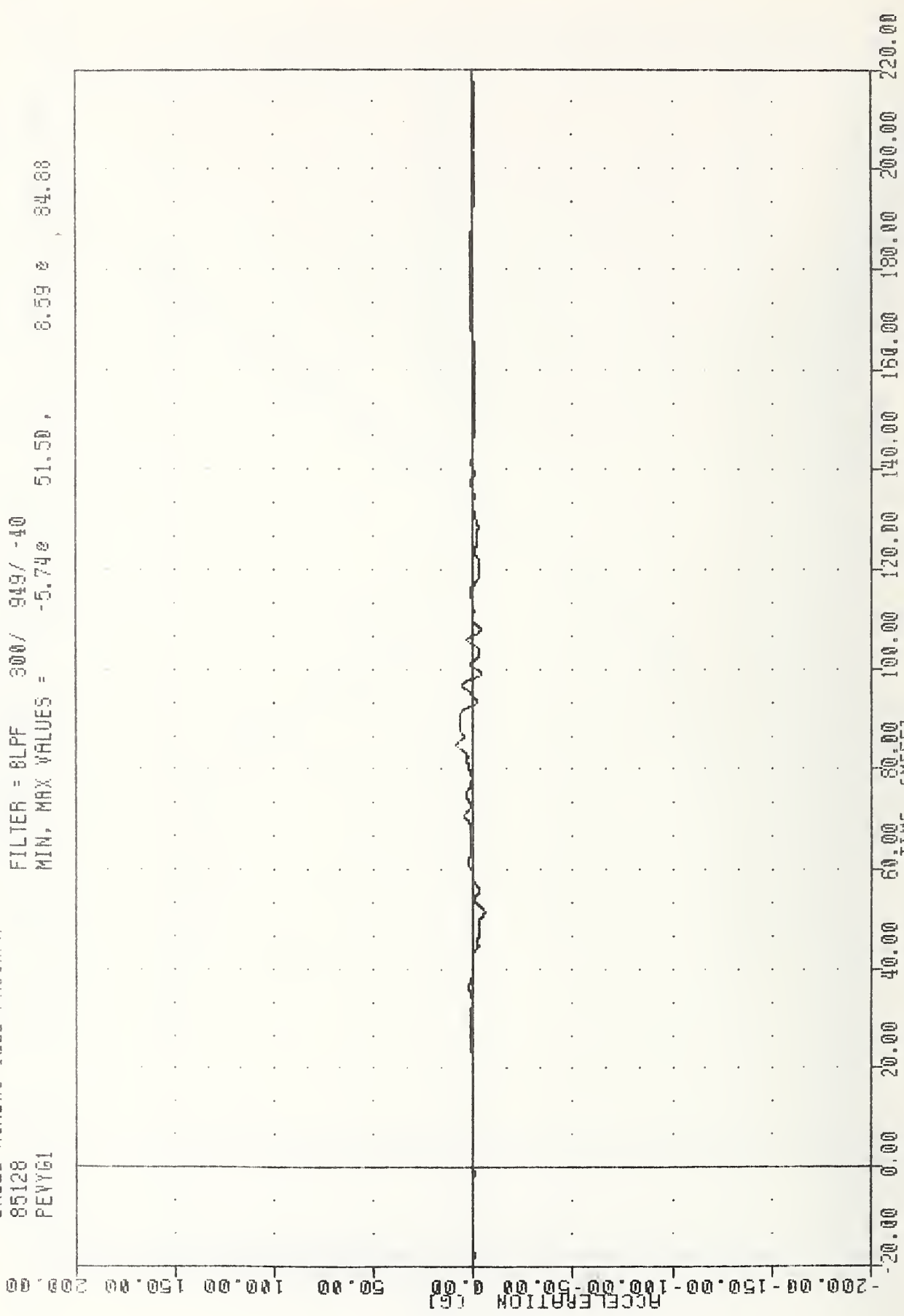


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA CRASHING PEVX01

VRTC , RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
PEYVG1

PLOT DATE 9-MAY-85 15:54:01

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -5.74e 51.50, 8.59 e 84.68

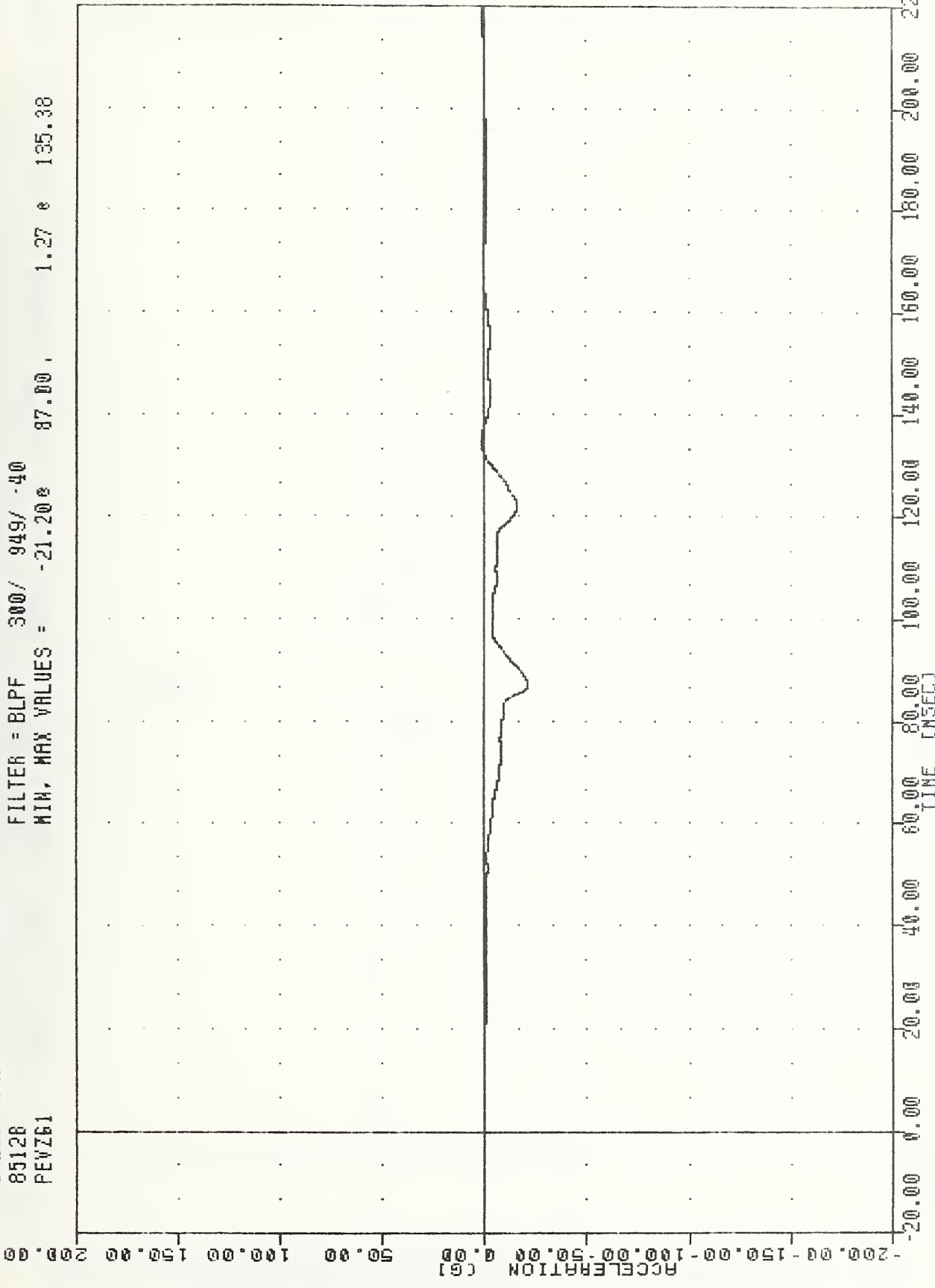


219

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VATC , RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
PEVZ61

PLOT DATE 9-MAY-85 15:54:01
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -21.20e 87.00 , 1.27 e 135.38



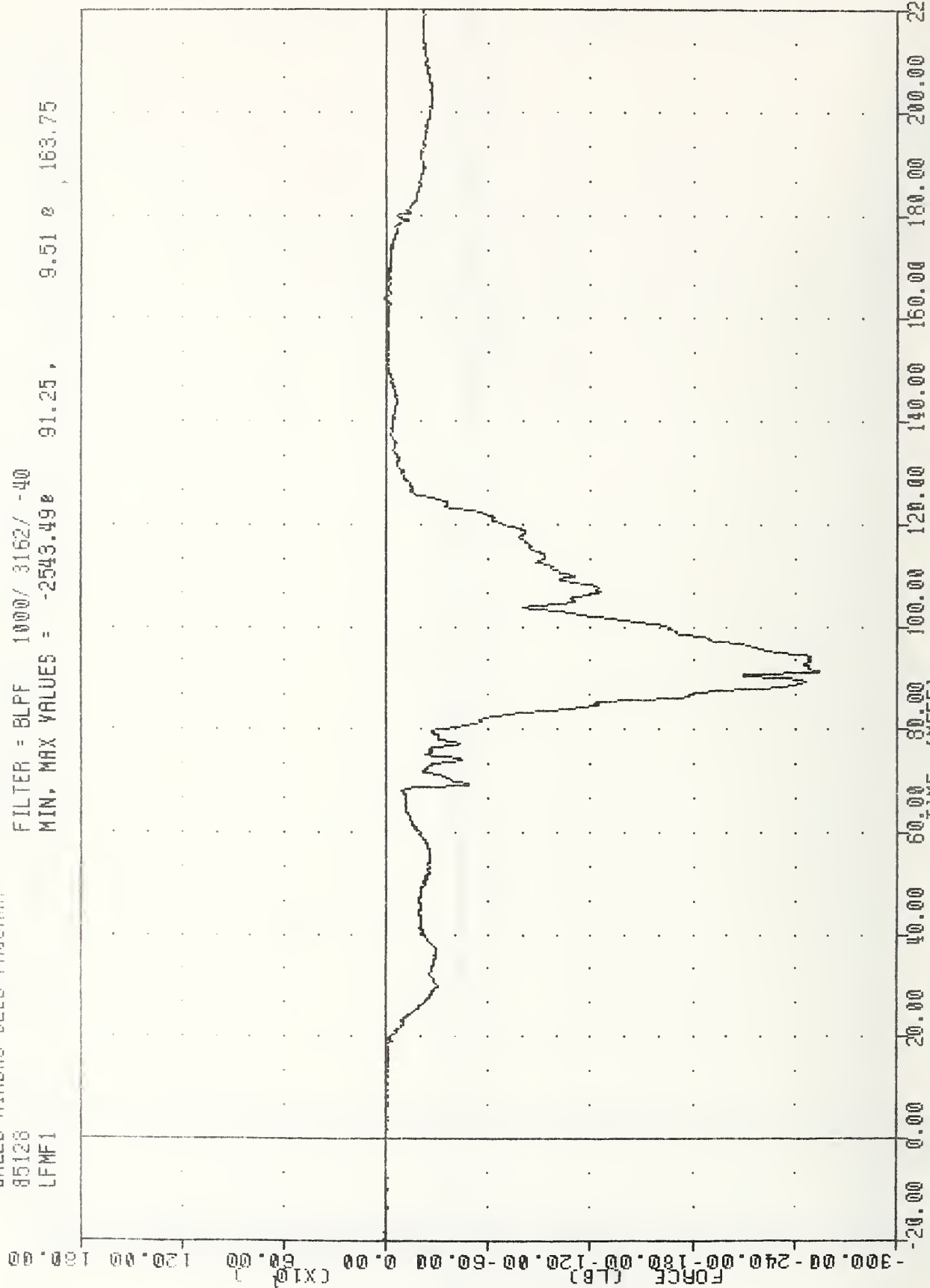
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

VRTC , R0384-4-27
BREED AIRBAG SLED PROGRAM
95128
LFMF1

PLOT DATE 9-MAY-85 15:54:01

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -2543.49# 91.25 , 9.51 # 163.75



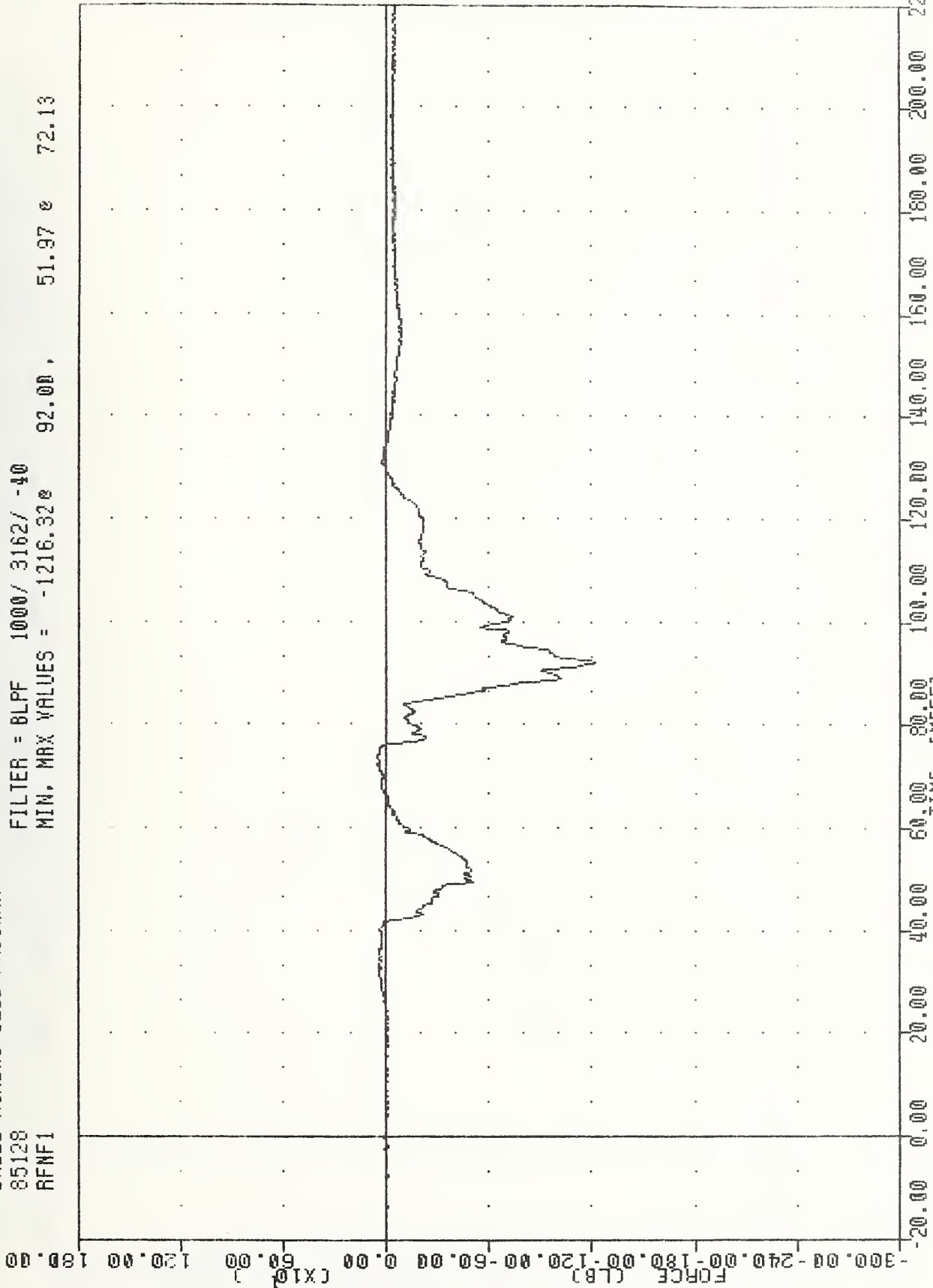
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-27
BRAED AIRBAG SLED PROGRAM
85128
AFNF1

PLOT DATE 9-MAY-85 15:54:01

FILTER = 8LPF 1000/ 3162/ -40

MIN. MAX VALUES = -1216.32e 92.00, 51.97 e 72.13

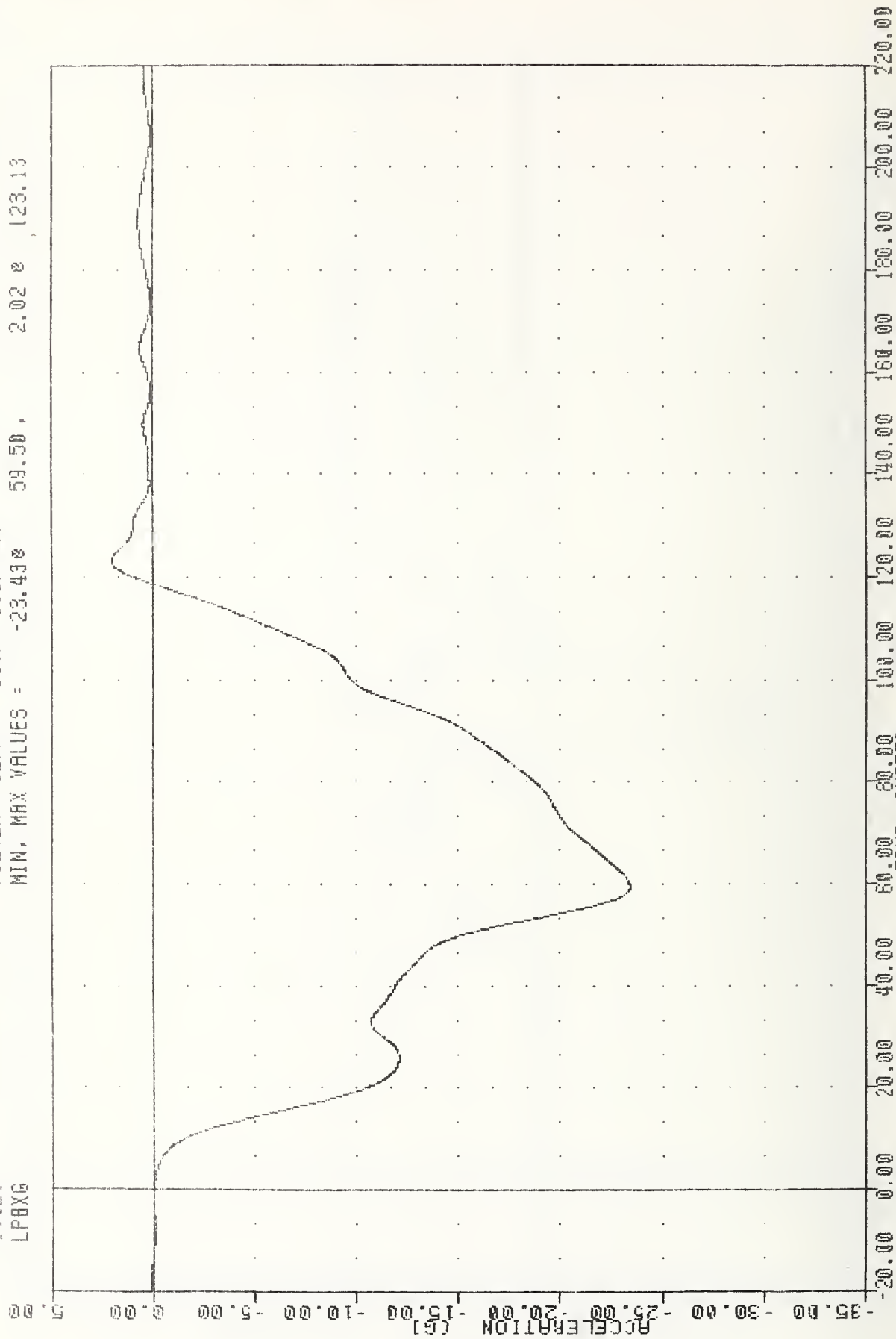


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VR1C , 80234 4-77
BREED AIRBAG SLED PROGRAM
85128
LPBXG

PLOT DATE 8-MAY-80 16:06:47

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -23.438 59.50 2.02 & 123.13



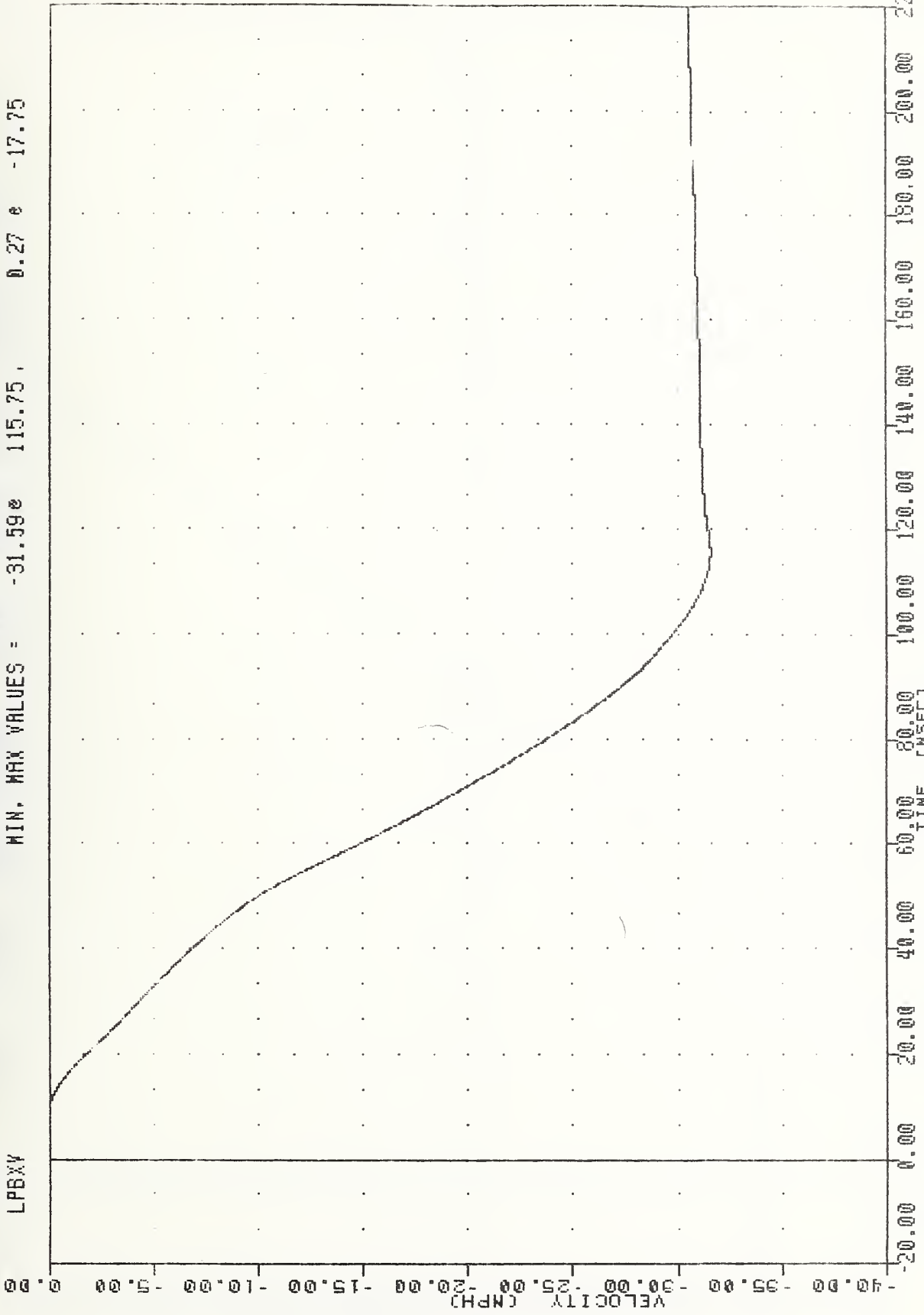
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VATIC , R0384-4-27
BREED AIRBAG SLED PROGRAM
85128
LPBXV

PLOT DATE 10-MAY-85 11:11:53

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -31.59e 115.75 , 0.27 e -17.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXV

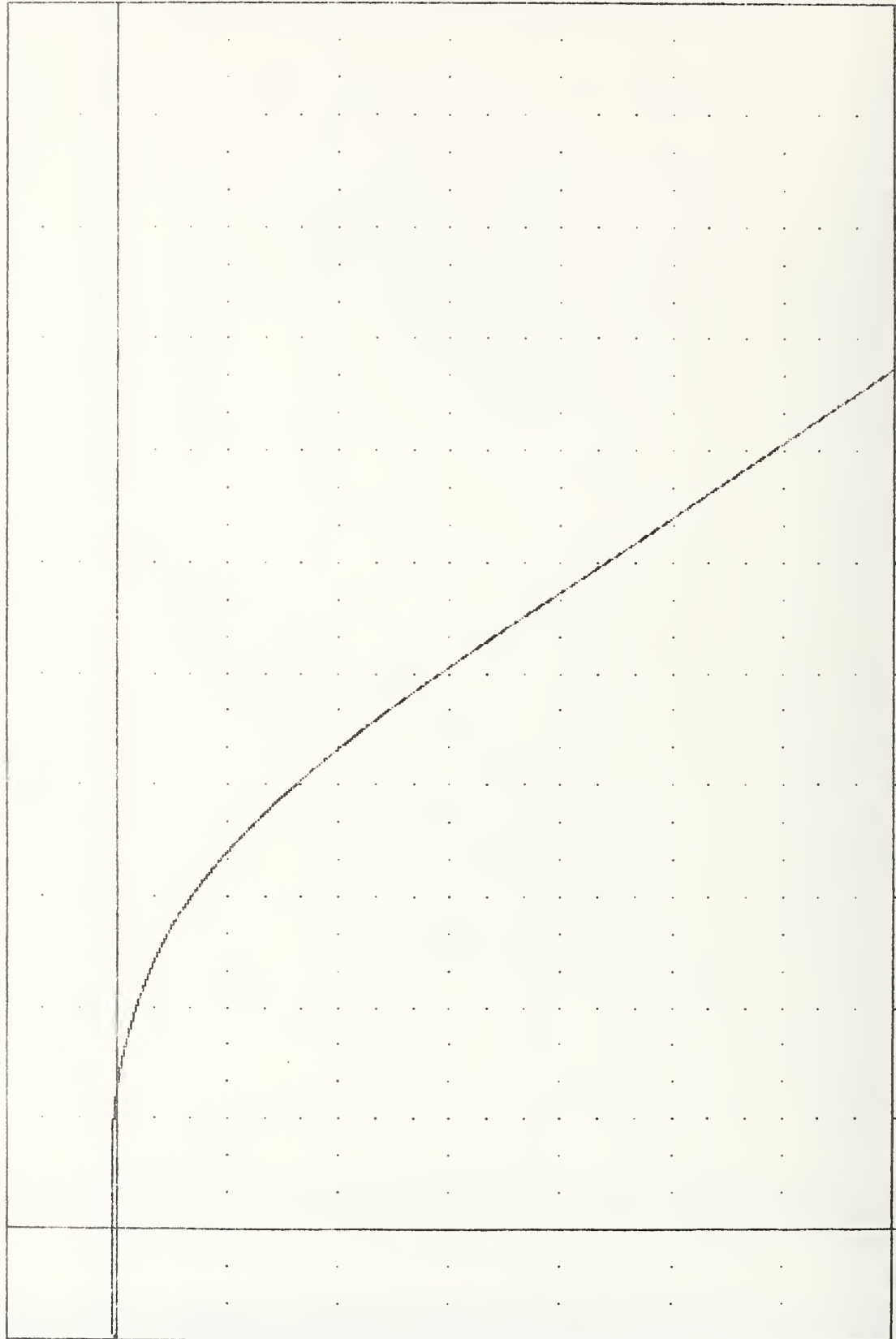
VRIC
BREED AIRBAG SLED PROGRAM
85128
LPBXD

PLOT DATE 10 MAR 85 11:1:58

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -59.15 220.00 0.22 10.25

DISPLACEMENT (IN)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

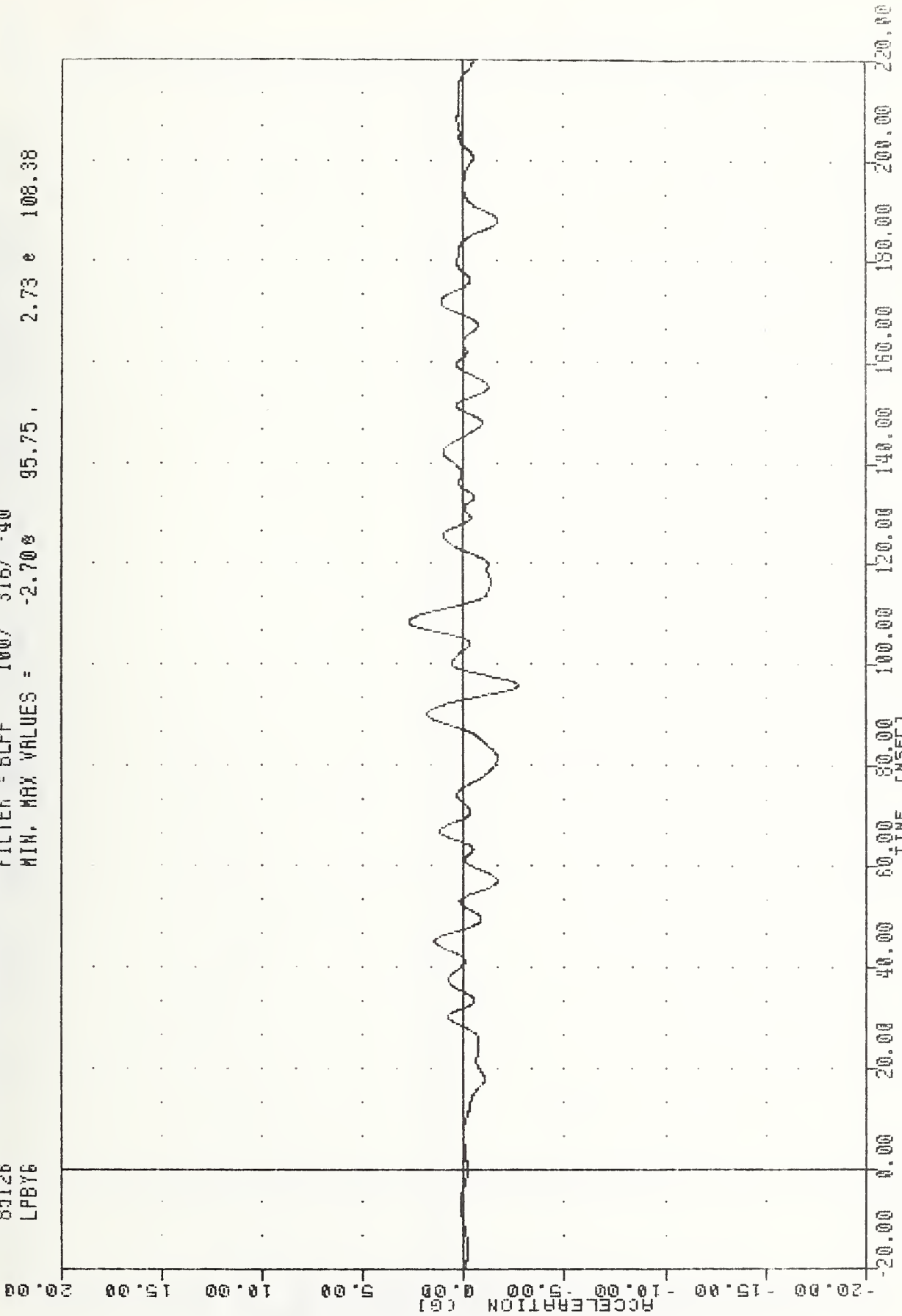
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

VATIC , RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
LPBY6

PLOT DATE 9-MAY-85 16:06:57

FILTER = 8LFF 100/ 316/ -40

MIN. MAX VALUES = -2.70e 95.75 , 2.73 e 108.38

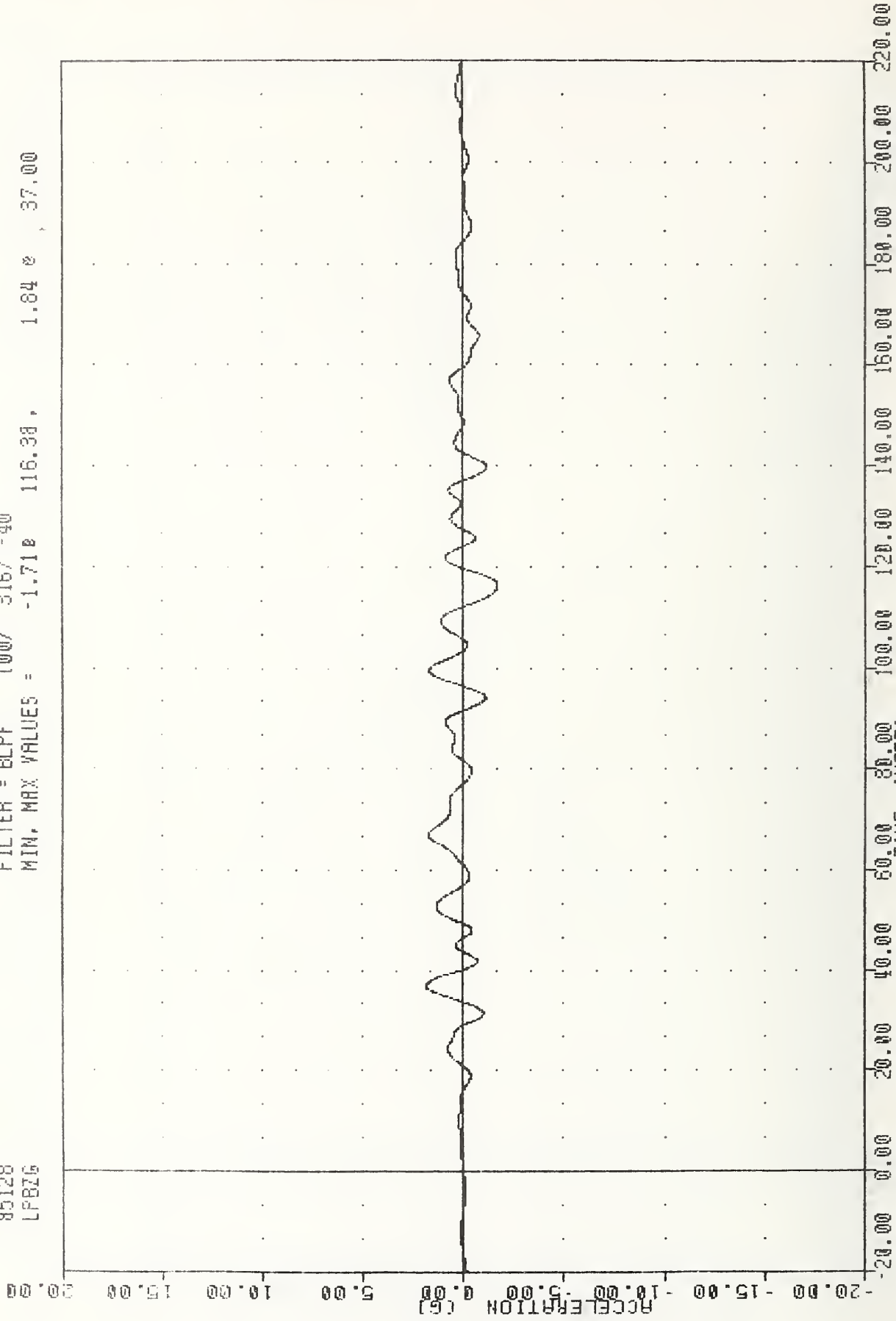


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT R ACCELERATION Y AXIS

VRTC , RD384-4-27
BRAED AIRBAG SLED PROGRAM
85128
LFBZ6

PLOT DATE 9-MAY-85 16:06:57

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -1.71e 116.38 , 1.84 e 37.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

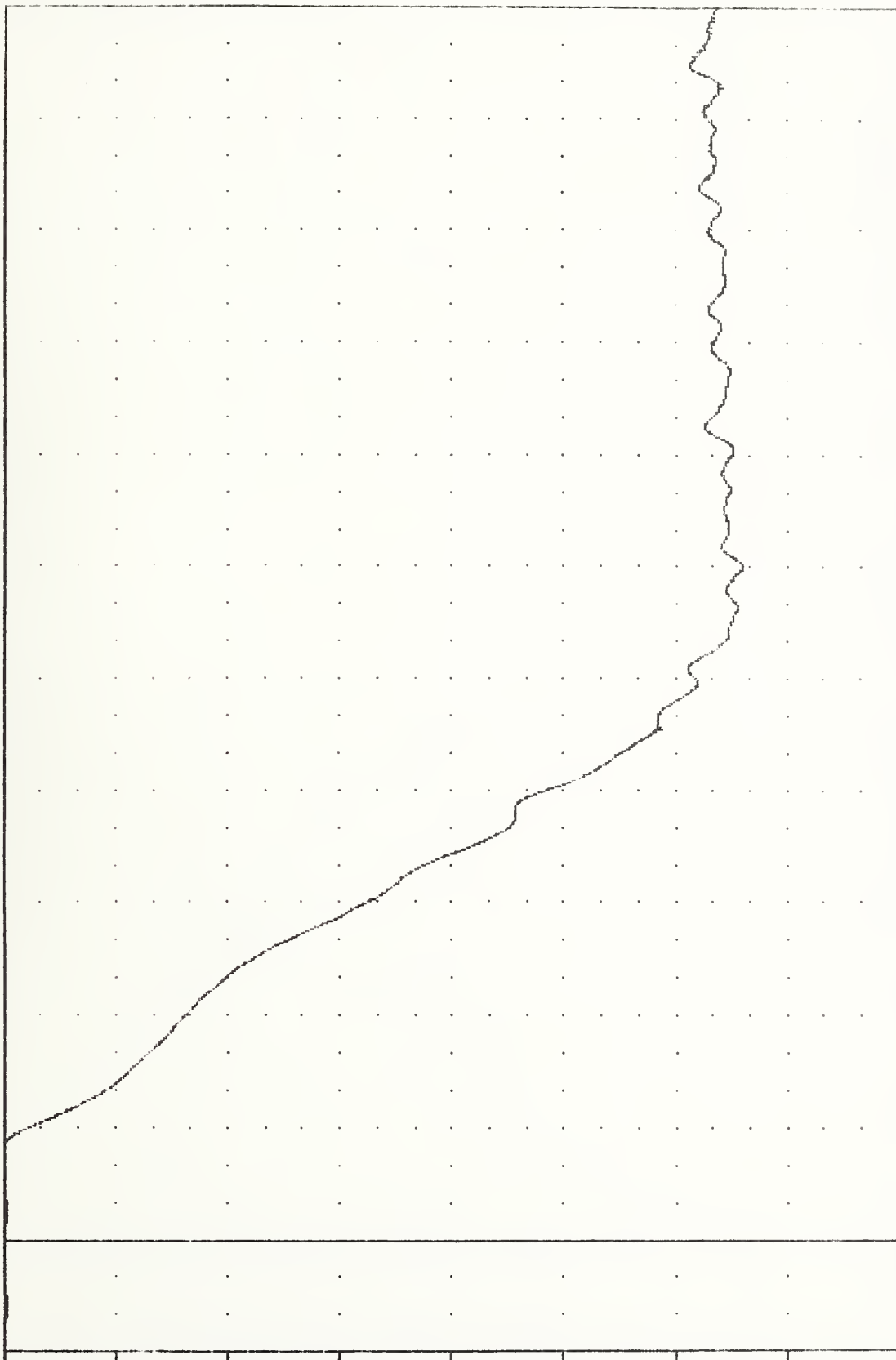
VRTC , RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
SLOXY

PLOT DATE 9-MAY-85 15:54:01

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -33.01e 119.75 , 0.15 e -20.00

VELOCITY (MPH)



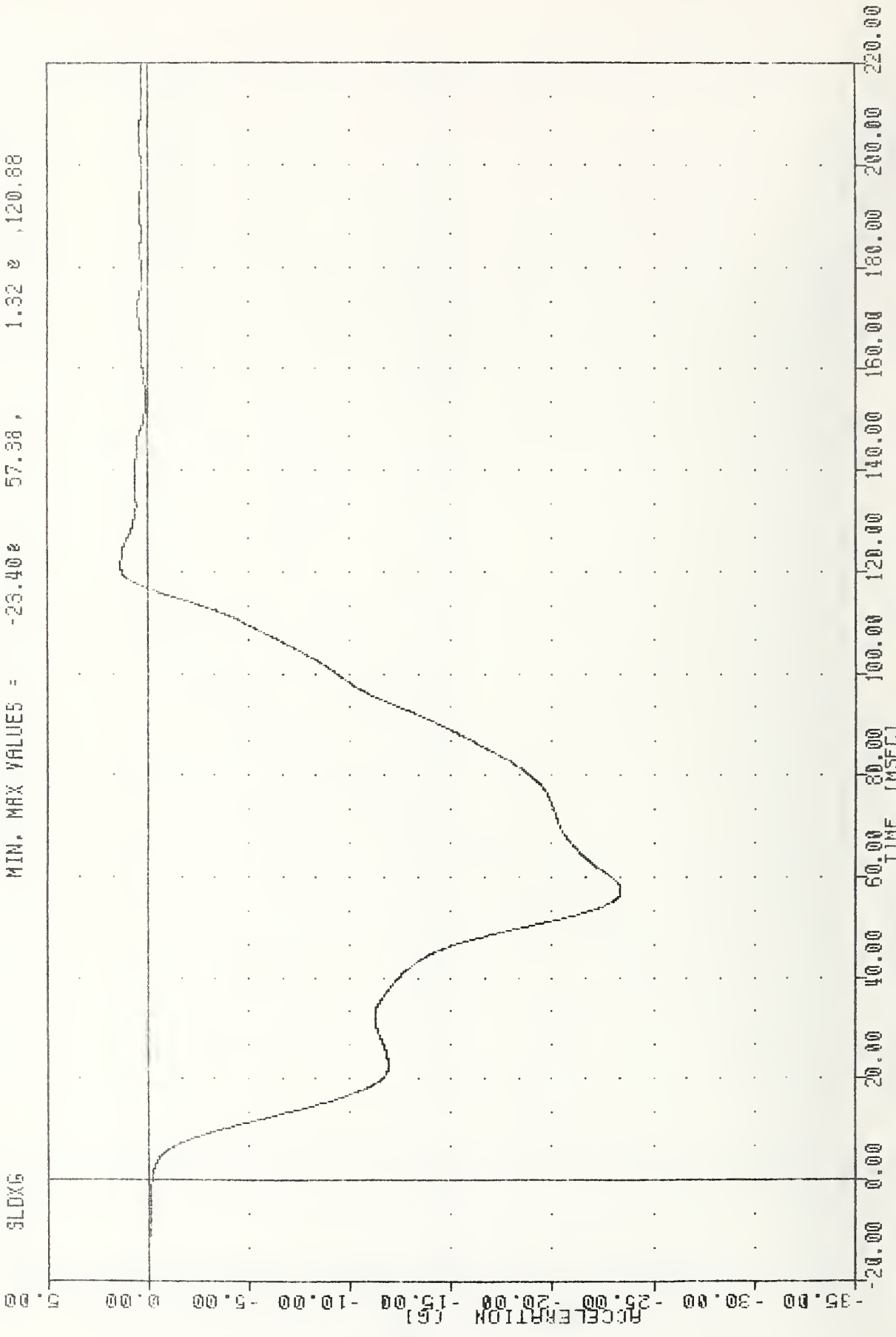
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , R0384-4-27
BREED AIRBAG SLED PROGRAM
85128
SLOXG

PLOT DATE 9-MAY-85 16:06:57

FILTER = BLFF 100/ 316/ -40
MIN. MAX VALUES = -23.40e 57.38, 1.32 e ,120.68



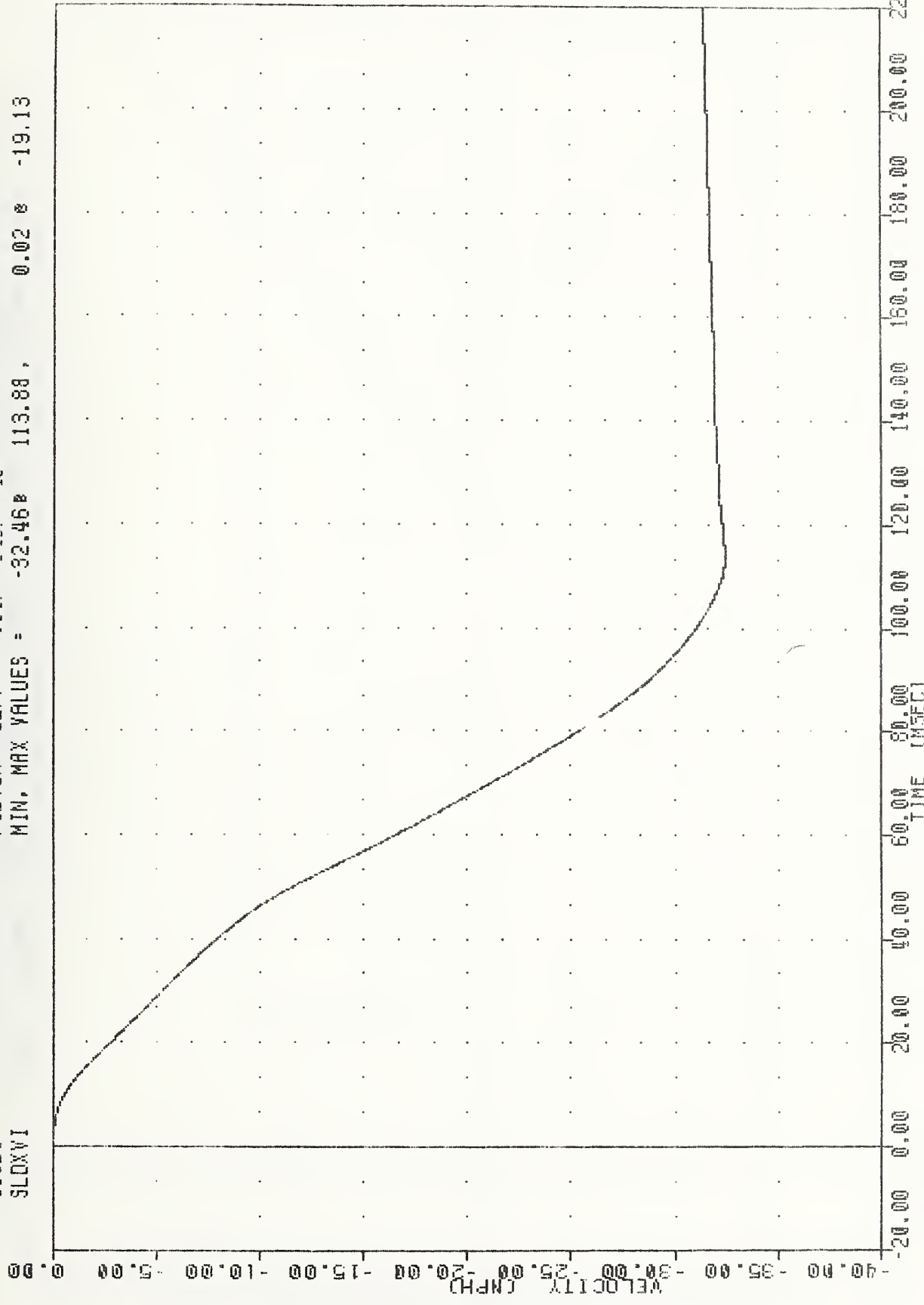
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

V67C
SPEED AIRBAG SLED PROGRAM
95128
SLOXVI

PLOT DATE 10-MAY-85 11:11:58

FILTER = BLPF 300/ 949/ -40

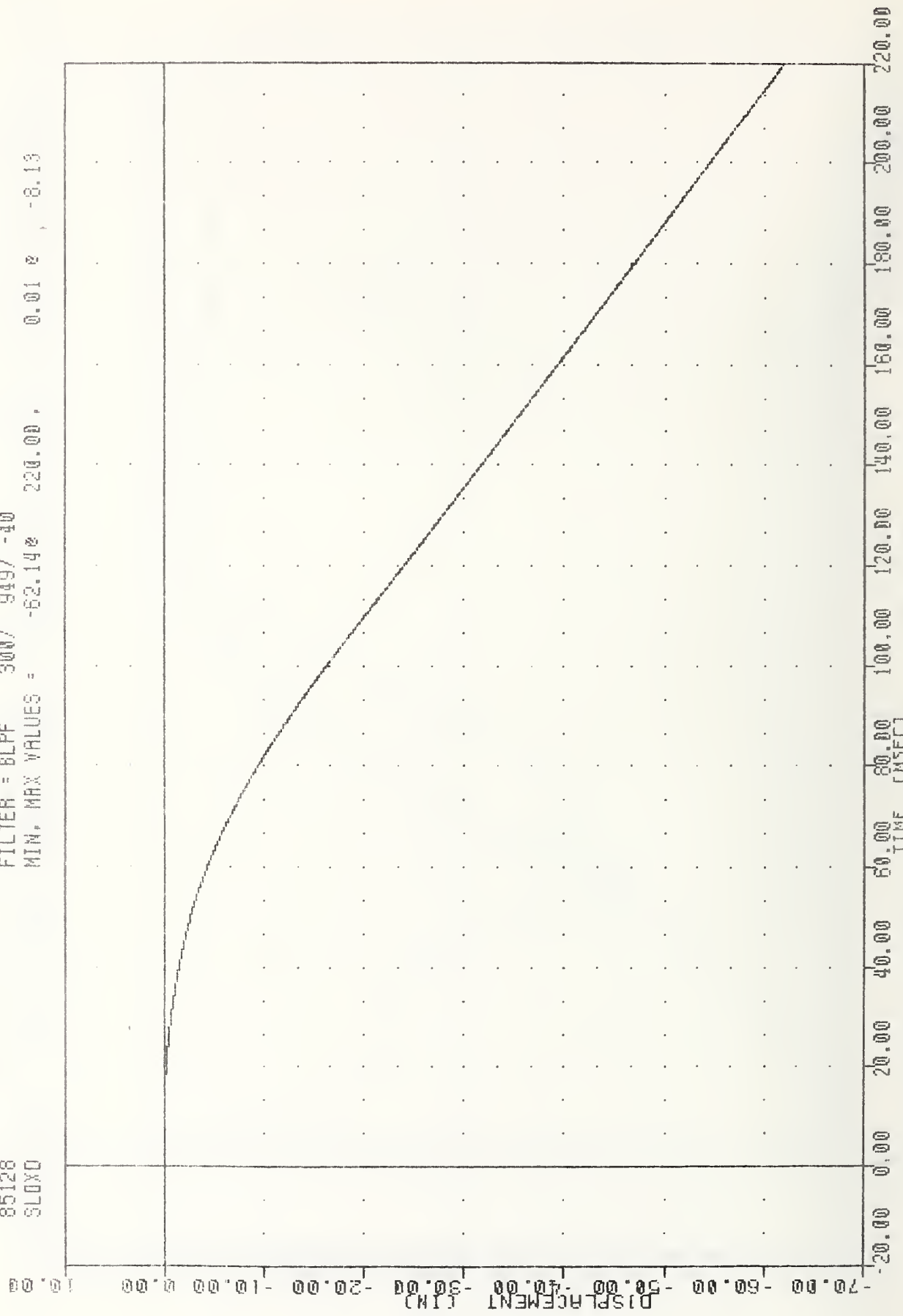
MIN, MAX VALUES = -32.468 113.88, 0.028 -19.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRTC , RD384-4-27
BREED HIABAG SLED PROGRAM
85128
SLOXD

PLOT DATE 10-MAY-65 11:11:55
FILTER = BLPF 30N/ 949/ -40
MIN. MAX VALUES = -62.140 220.000 , -8.13



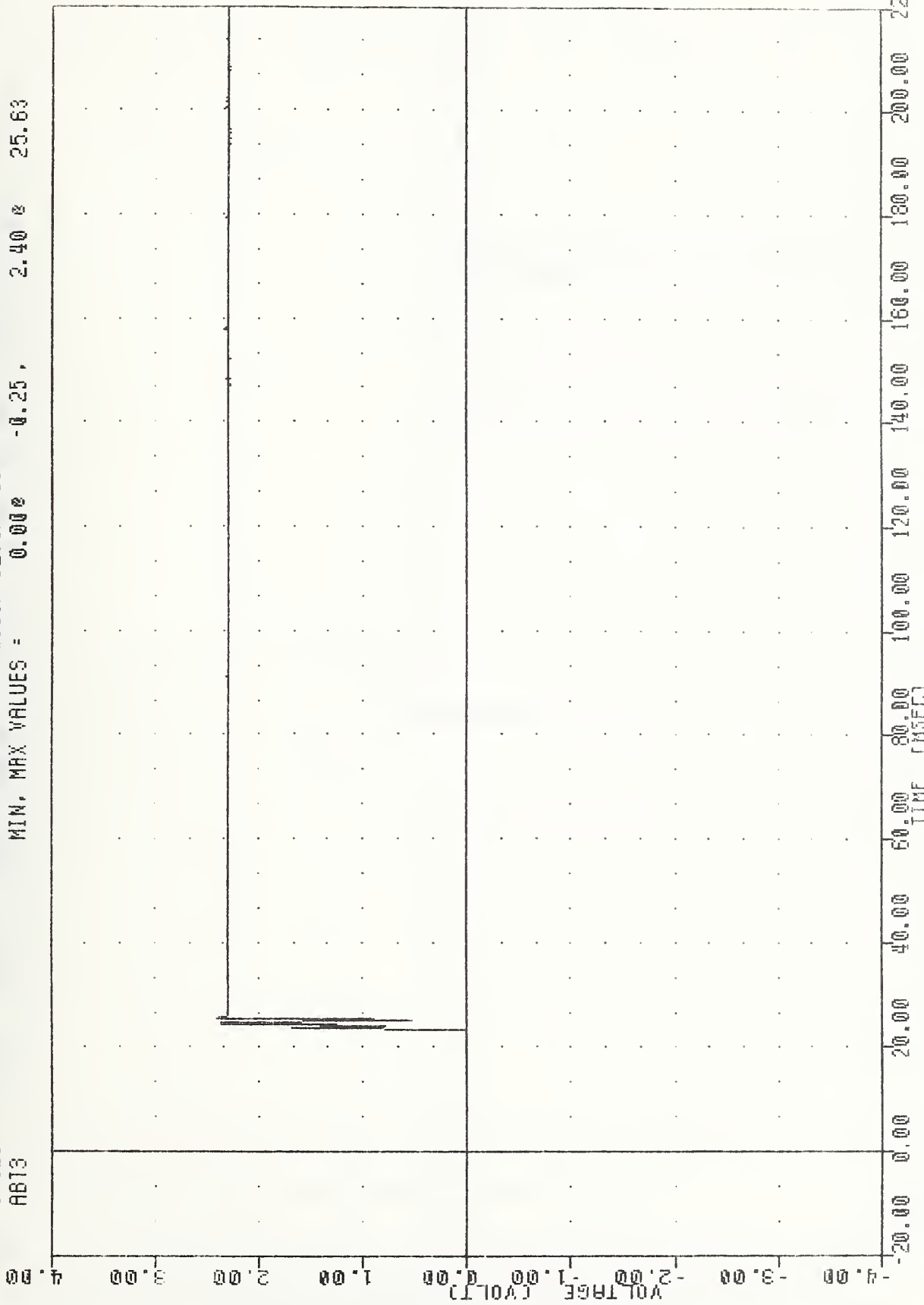
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLOXVI

VRTC , RD384-4-27
BREED HIRBA6 SLED PROGRAM
85128
ABTS

PLOT DATE 9-MAY-85 16:06:57

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.00e -0.25, 2.40 e 25.63



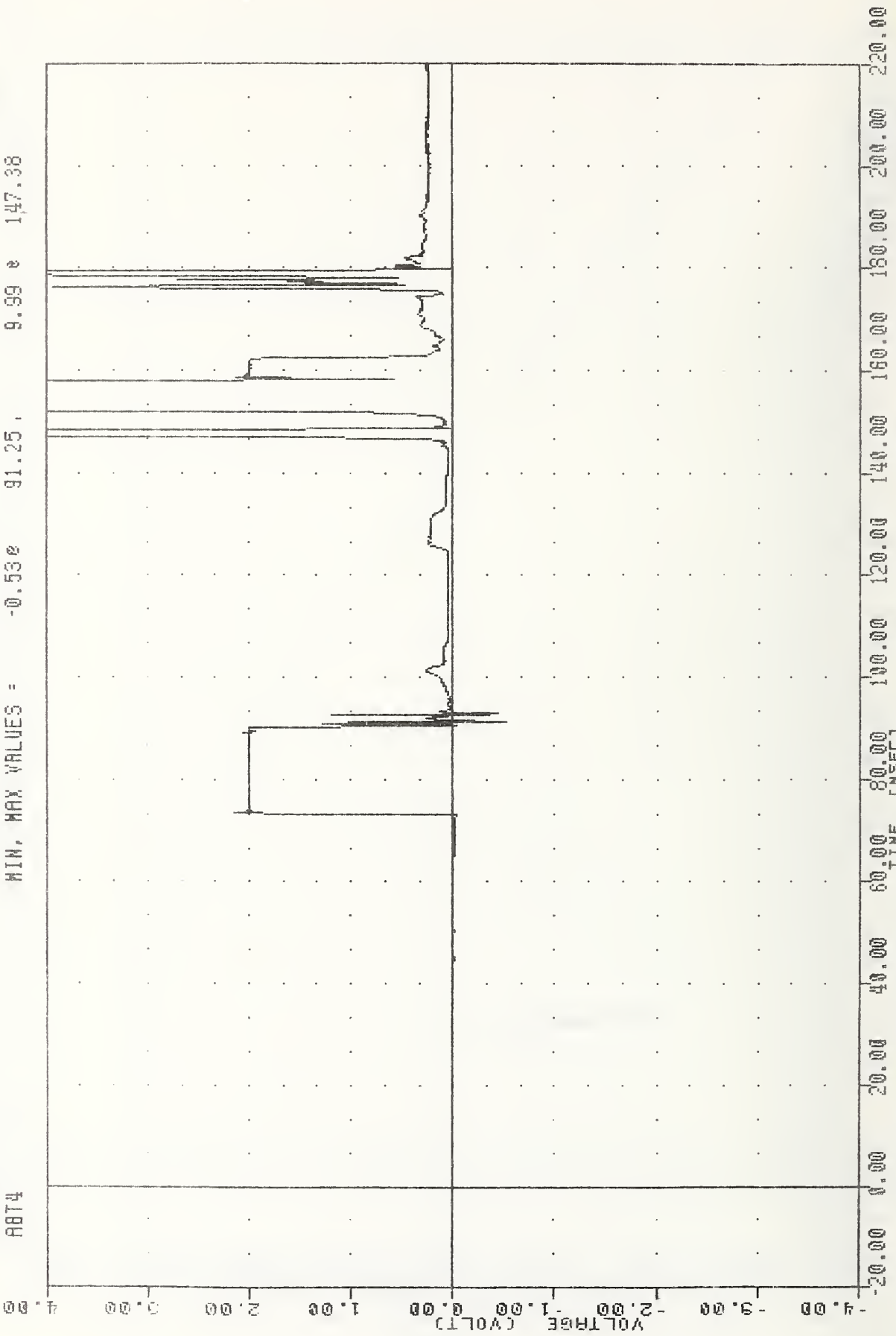
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
BREED 8-PILLAR SENSOR

WATC , R0384-4-27
BREED AIRBAG SLED PROGRAM
85128
RBT4

PLT DATE 3-MAY-68 18:06:57

FILTER = ALPF 1650 / 5214 / -40

MIN, MAX VALUES = -0.53e 91.25 , 9.99 e 147.38



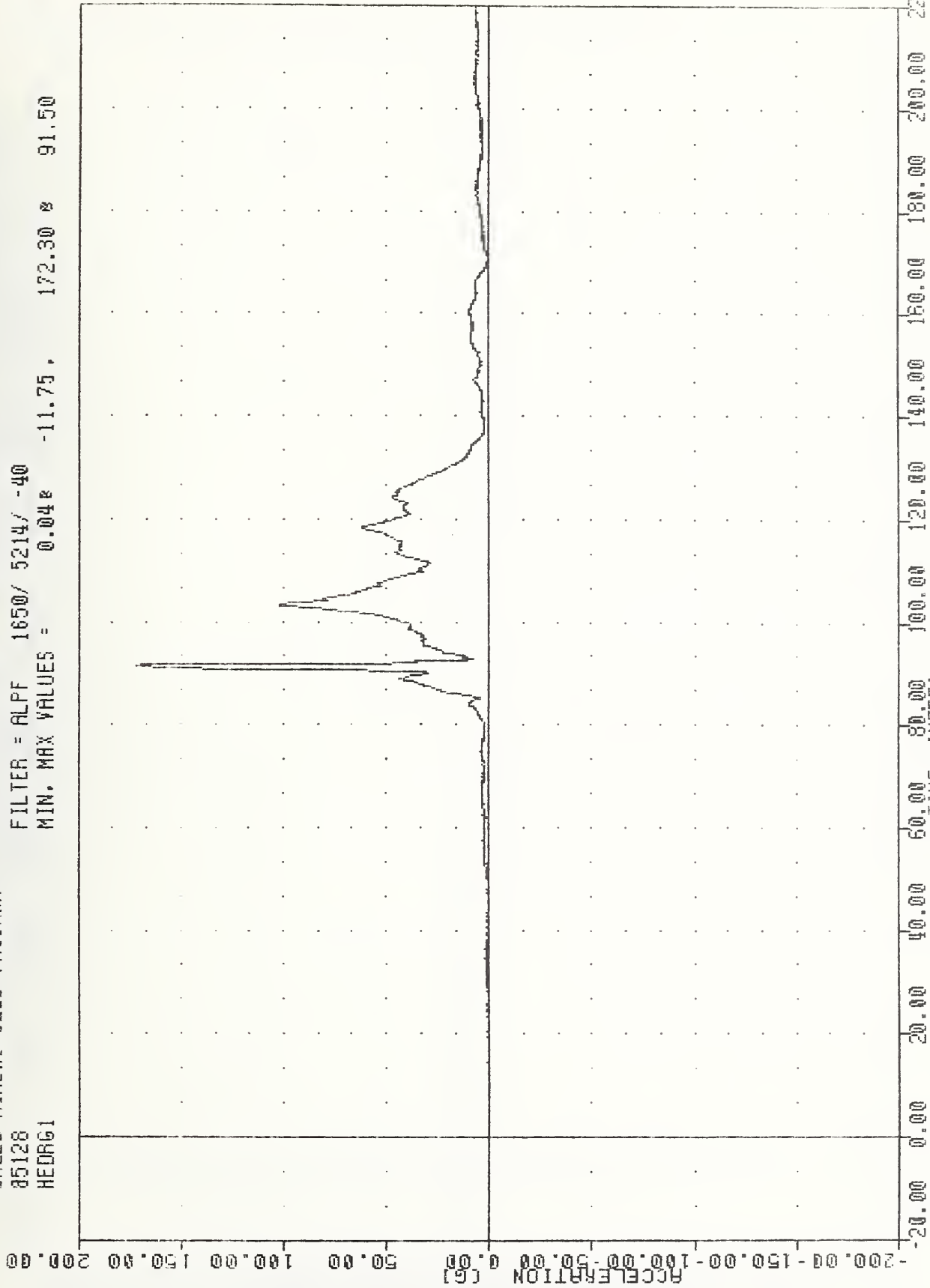
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

VRTC , R0384-4-27
BREED AIRBAG SLED PROGRAM
85128
HEDRG1

PLOT DATE 10-MAY-85 11:13:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.04g -11.75, 172.30 g 91.50

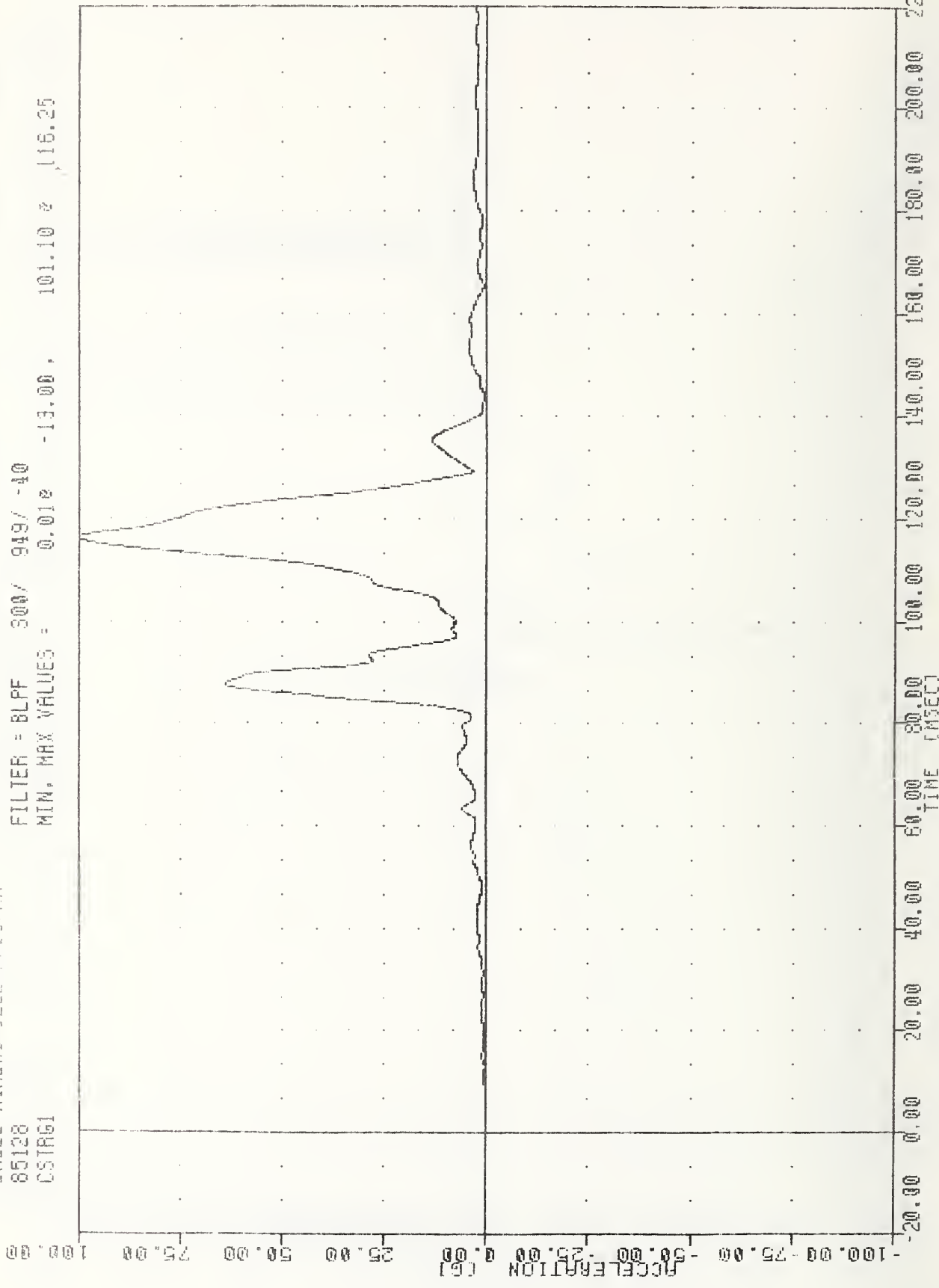


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , RD584-4-27
BAEED AIRBAG SLED PROGRAM
85128
CSTR61

PLOT DATE 10-MAY-85 11:15:45

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = 0.01e -13.00 , 101.10 e 116.25



829

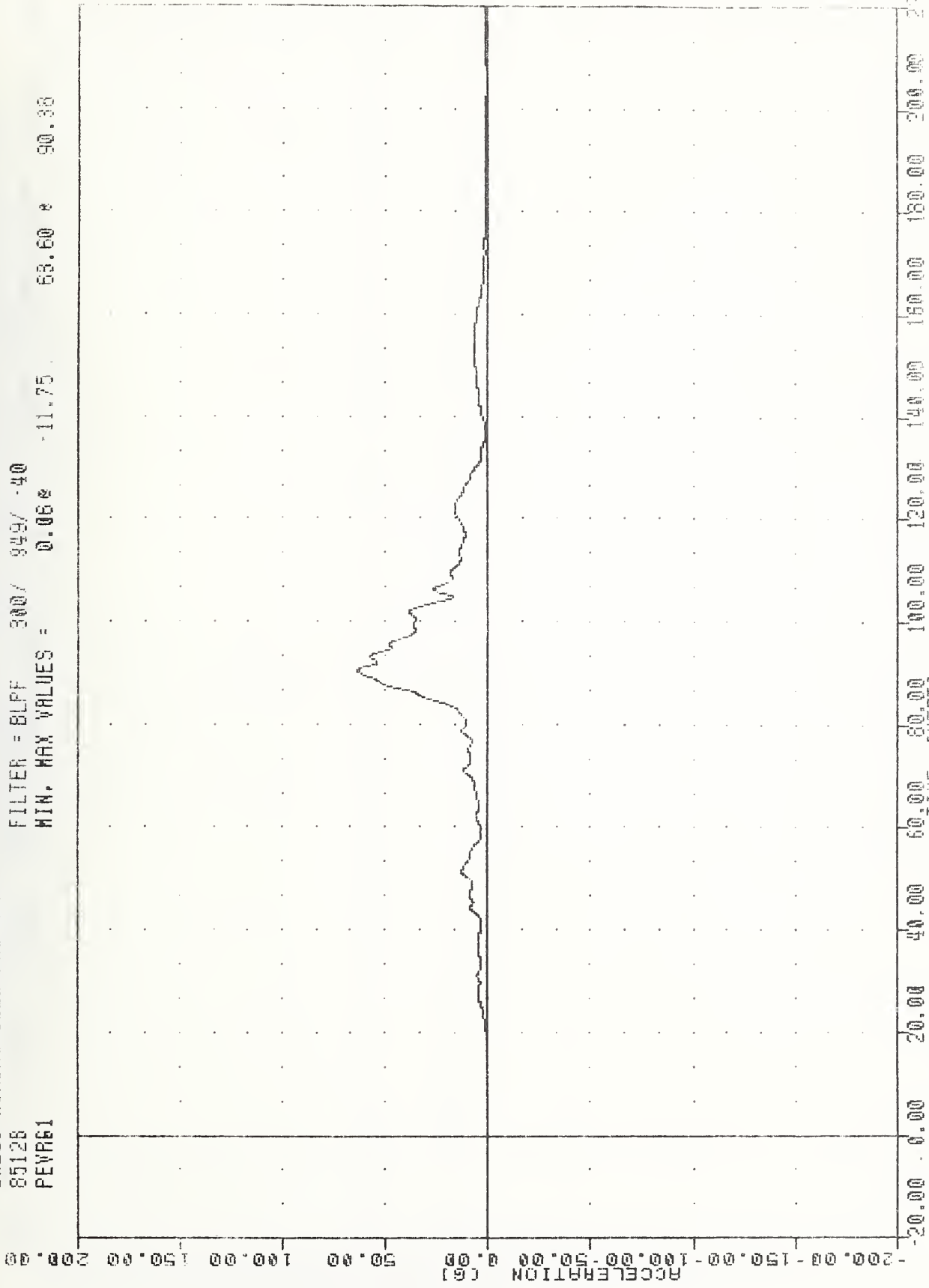
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VATC , RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
PEVR61

PLOT DATE 10 MAY 88 11:13:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.068 -11.75 68.60 90.98



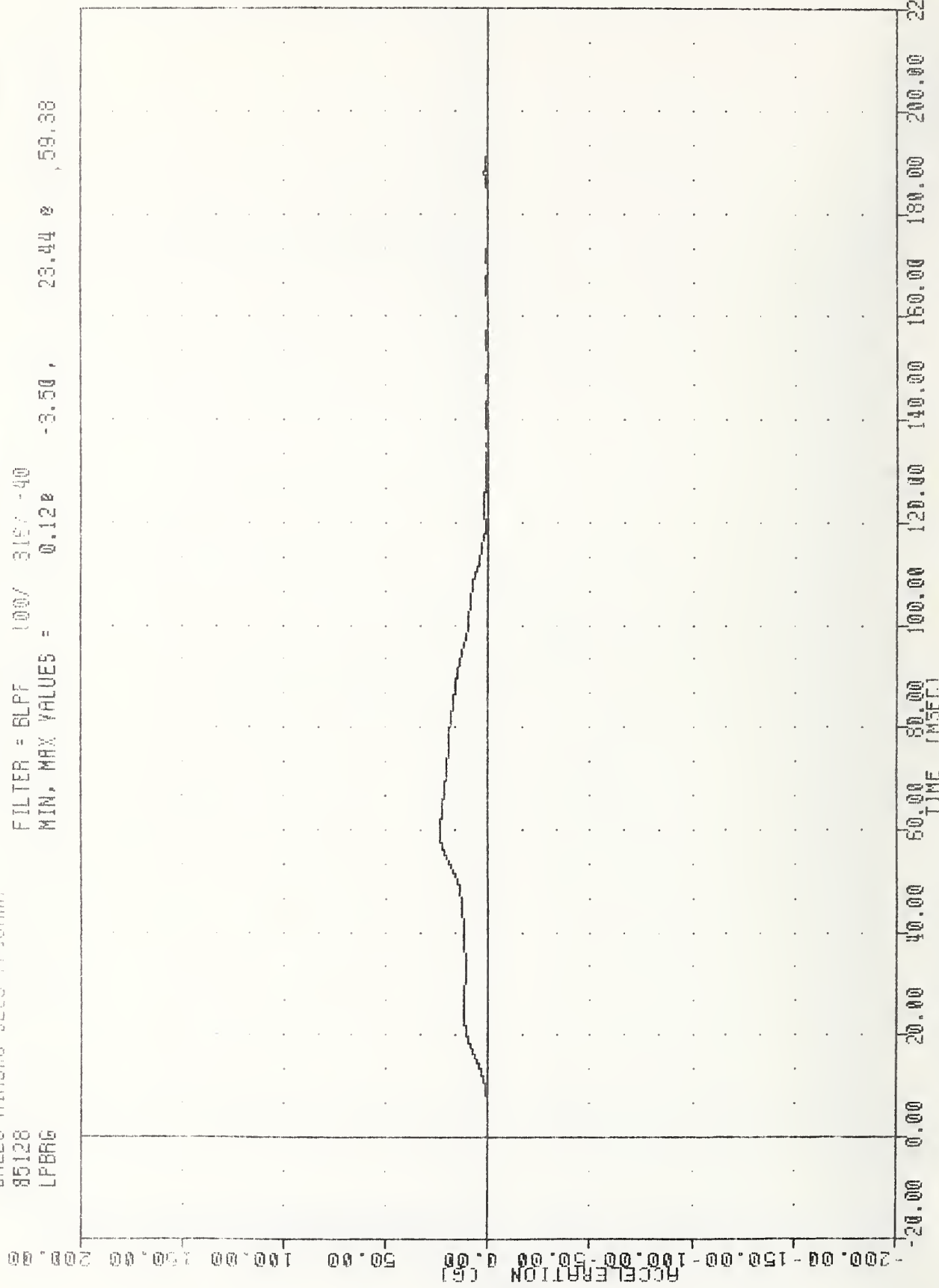
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY

OFFICE 301 MP, TSCC, 1700

VRTC
BREC AIRBAG SLED PROGRAM
85128
LPBRG

PLUT DATE 10 MAY 95 11:15

FILTER = BLPF 100/ 315/ -40
MIN, MAX VALUES = 0.12e -3.50, 23.44 e ,59.38



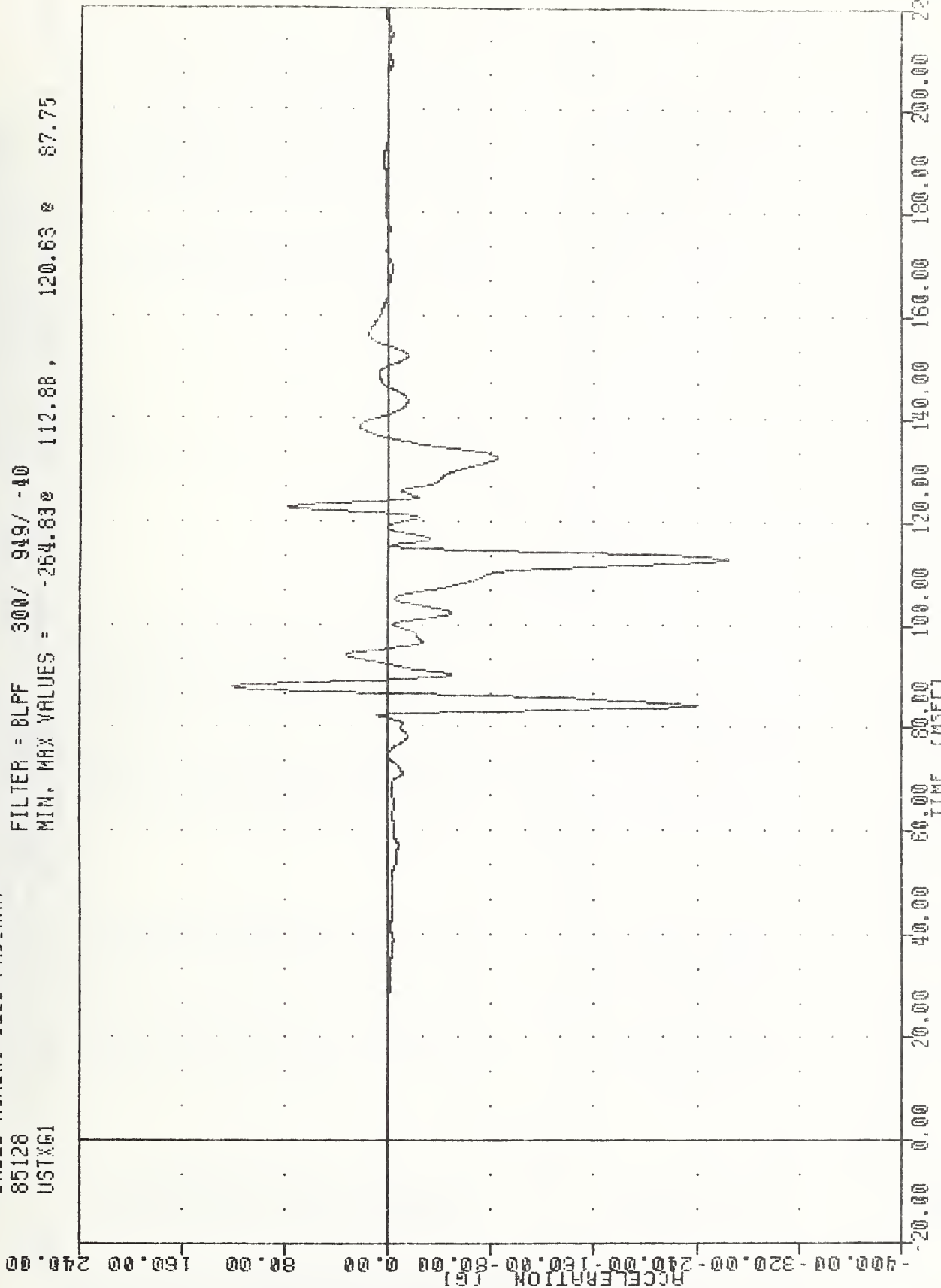
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , RD384-4-27
BREED AIRBAG SLED PROGRAM
85128
USTXG1

PLOT DATE 9-MAY-85 15:54:01

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -264.83e 112.88. 120.63 e 87.75



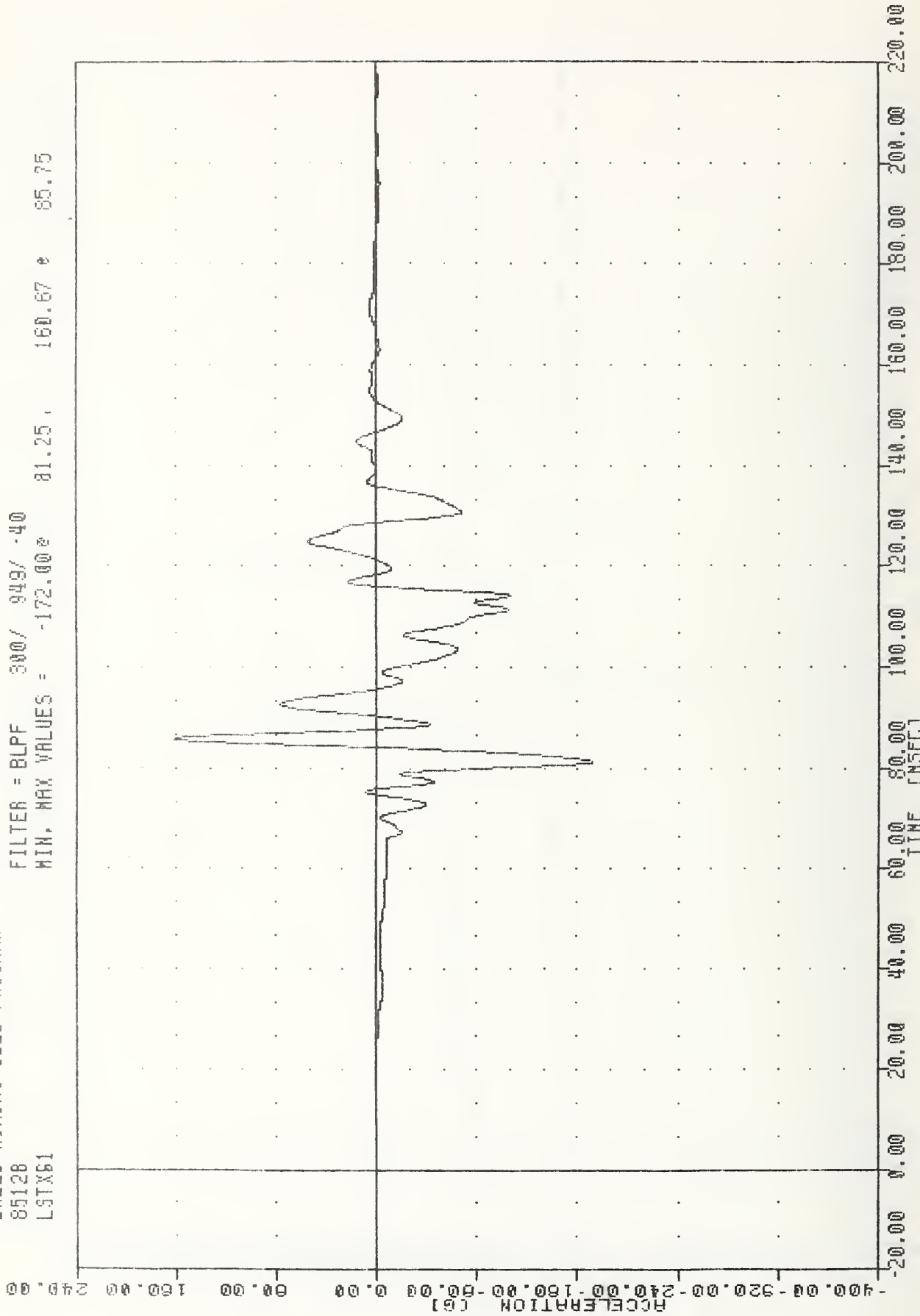
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION Y AXIS

VATIC , RD384-4-27
BRED AIRBAG SLED PROGRAM
85128
LSTX61

PLOT DATE 9-MAY-85 15:54:01

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -172.00e 81.25 , 160.67 e 85.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

TRC435P. RAD; 1
VRTC
85129

RD384-4-2B BREED AIRBAG SLED PROGRAM
40.00 mph

10-MAY-85 10:08

EVENT	Min value	Max value	Data Units	Filter
1	-0.027 @	1.533 @	volt	ALPF 1650/ 5214/ -40
2	-43.580 @	0.154 @	mph	ALPF 100/ 316/ -40
3	-28.430 @	1.172 @	g	BLPF 100/ 316/ -40
4	-174.094 @	8.212 @	g	ALPF 1650/ 5214/ -40
5	-27.434 @	2.779 @	g	ALPF 1650/ 5214/ -40
6	-0.651 @	84.300 @	g	ALPF 1650/ 5214/ -40
7	-49.866 @	8.837 @	g	BLPF 300/ 949/ -40
8	-15.598 @	9.038 @	g	BLPF 300/ 949/ -40
9	-12.706 @	11.649 @	g	BLPF 300/ 949/ -40
10	-95.954 @	7.930 @	g	BLPF 300/ 949/ -40
11	-63.357 @	3.033 @	g	BLPF 300/ 949/ -40
12	-33.192 @	2.032 @	g	BLPF 300/ 949/ -40
13	-6.157 @	6.602 @	g	BLPF 300/ 949/ -40
14	-36.462 @	2.303 @	g	BLPF 300/ 949/ -40
15	-294.789 @	193.902 @	lb	BLPF 1000/ 3162/ -40
16	-499.750 @	344.621 @	lb	BLPF 1000/ 3162/ -40
17	-27.912 @	0.970 @	g	BLPF 100/ 316/ -40
18	-1.648 @	1.961 @	g	BLPF 100/ 316/ -40
19	-1.037 @	1.728 @	g	BLPF 100/ 316/ -40
20	-0.483 @	2761.990 @	g	BLPF 100/ 3'6/ -40
21	-0.496 @	1917.465 @	lb	BLPF 100/ 316/ -40
22	-0.008 @	2.399 @	volt	ALPF 1650/ 5214/ -40
23	-0.093 @	2.168 @	volt	ALPF 1650/ 5214/ -40

TRC435IP. RAD; 1
VRTC
85129

RD384-4-2B BREED AIRBAG SLED PROGRAM
40.00 mph

10-MAY-85 10:08

EVENT	Min value	Max value	Data Units	Filter
1	-50.645 @	0.141 @	mph	BLPF 300/ 949/ -40
2	-71.475 @	-0.095 @	in	BLPF 300/ 949/ -40
3	-52.944 @	-0.063 @	mph	BLPF 300/ 949/ -40
4	-83.041 @	-0.042 @	in	BLPF 300/ 949/ -40
5	-29.430 @	-0.209 @	mph	BLPF 300/ 949/ -40
6	-51.595 @	-0.107 @	in	BLPF 300/ 949/ -40
7	-43.443 @	-0.014 @	mph	BLPF 300/ 949/ -40
8	-80.683 @	-0.008 @	in	BLPF 300/ 949/ -40
9	-42.515 @	-0.004 @	mph	BLPF 300/ 949/ -40
10	-77.819 @	0.003 @	in	BLPF 300/ 949/ -40

TRC435RP. RAD; 1
VRTC
85129

RD384-4-2B BREED AIRBAG SLED PROGRAM
40.00 mph

10-MAY-85 10:11

EVENT	Min value	Max value	Data Units	Filter
1	0.020 @	178.558 @	g	ALPF 1650/ 5214/ -40
2	0.011 @	50.192 @	g	BLPF 300/ 949/ -40
3	0.040 @	47.867 @	g	BLPF 300/ 949/ -40
4	0.051 @	27.937 @	g	BLPF 100/ 316/ -40

633

HIC -- Head Injury Criterion computed from a single channel

TRC435RF.RAD;1
VRTC RD384-4-28 BREED AIRBAG SLED PROGRAM
85129 40.00 mph

Enter channel [stop time] -> HEDRG1

* * * HIC computation for HEDRG1 10-MAY-85 13:36
Using time range = 0.000 to 220.000 msec Peak accel = 178.56 @ 99.750
HIC = 1503.51 Interval from 76.000 [769] to 111.875 [1056]
HIC = 1247.30 Interval from 95.625 [926] to 102.000 [977]
Enter channel [stop time] -> ^Z

R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period

Enter input filespec -> TRC435RF

File TRC435RF -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-28 BREED AIRBAG SLED PROGRAM 40.00 mph
HEDRG1 CSTRG1 FEVRG1 LPBRG

Enter channel name -> CSTRG1

LSLED,BREEDJTRC435RF.RAD;1 VRTC RD384-4-28
BREED AIRBAG SLED PROGRAM 40.0 mph 85129 10-MAY-85 10:18:22
Deltax: 0.125

3 MS CLIP PEAK: 48.39633

Please run LSTRAD on this channel for the full time
and give it to the project manager to double-check peak

Enter channel name -> ^Z

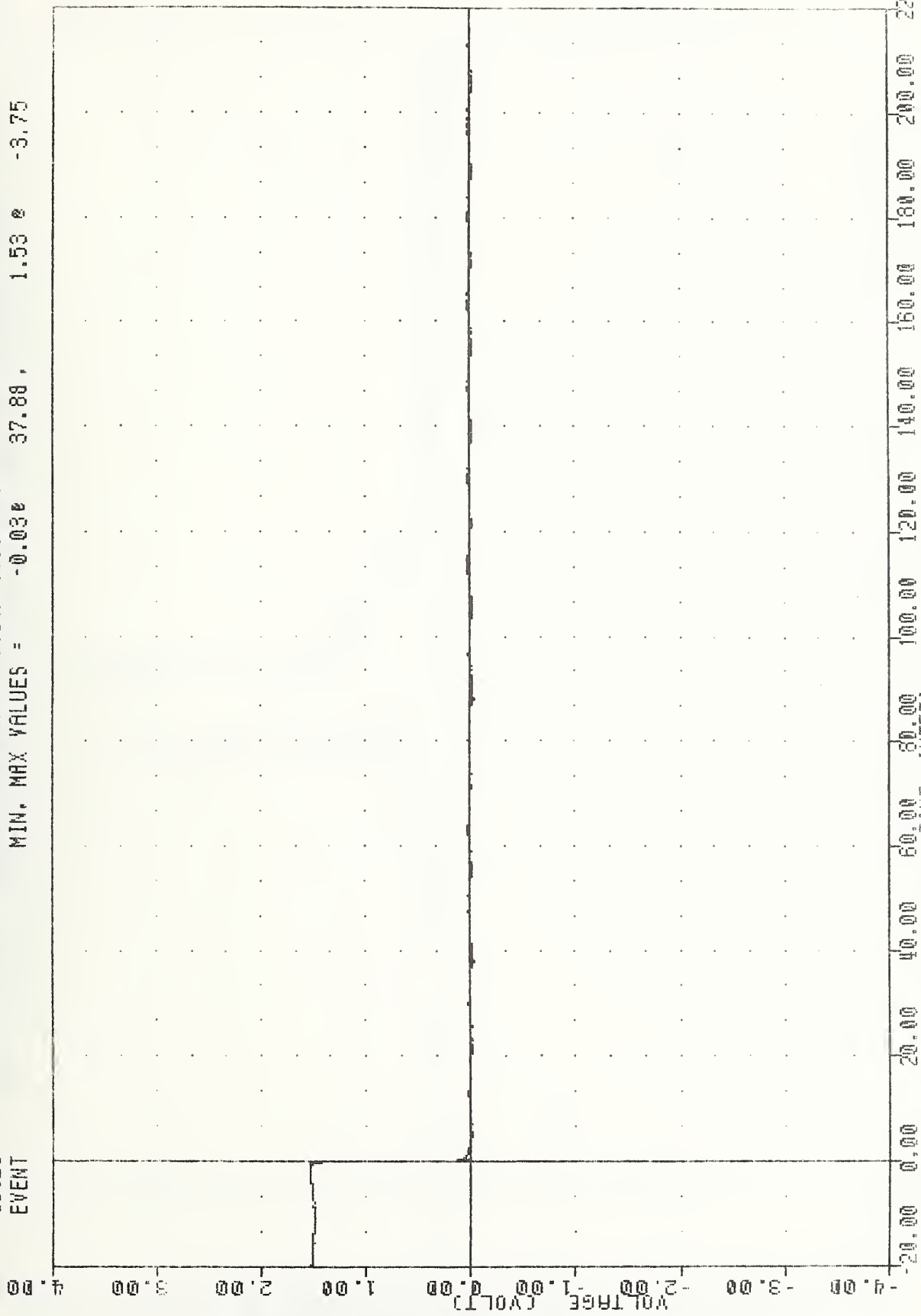
Enter input filespec -> ^Z
\$

WRTC , R0384-4-28
 BREED AIRBAG SLED PROGRAM
 05129
 EVENT

PLOT DATE 10-MAY-85 12:10:22

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.03e 37.88 , 1.53 e -3.75

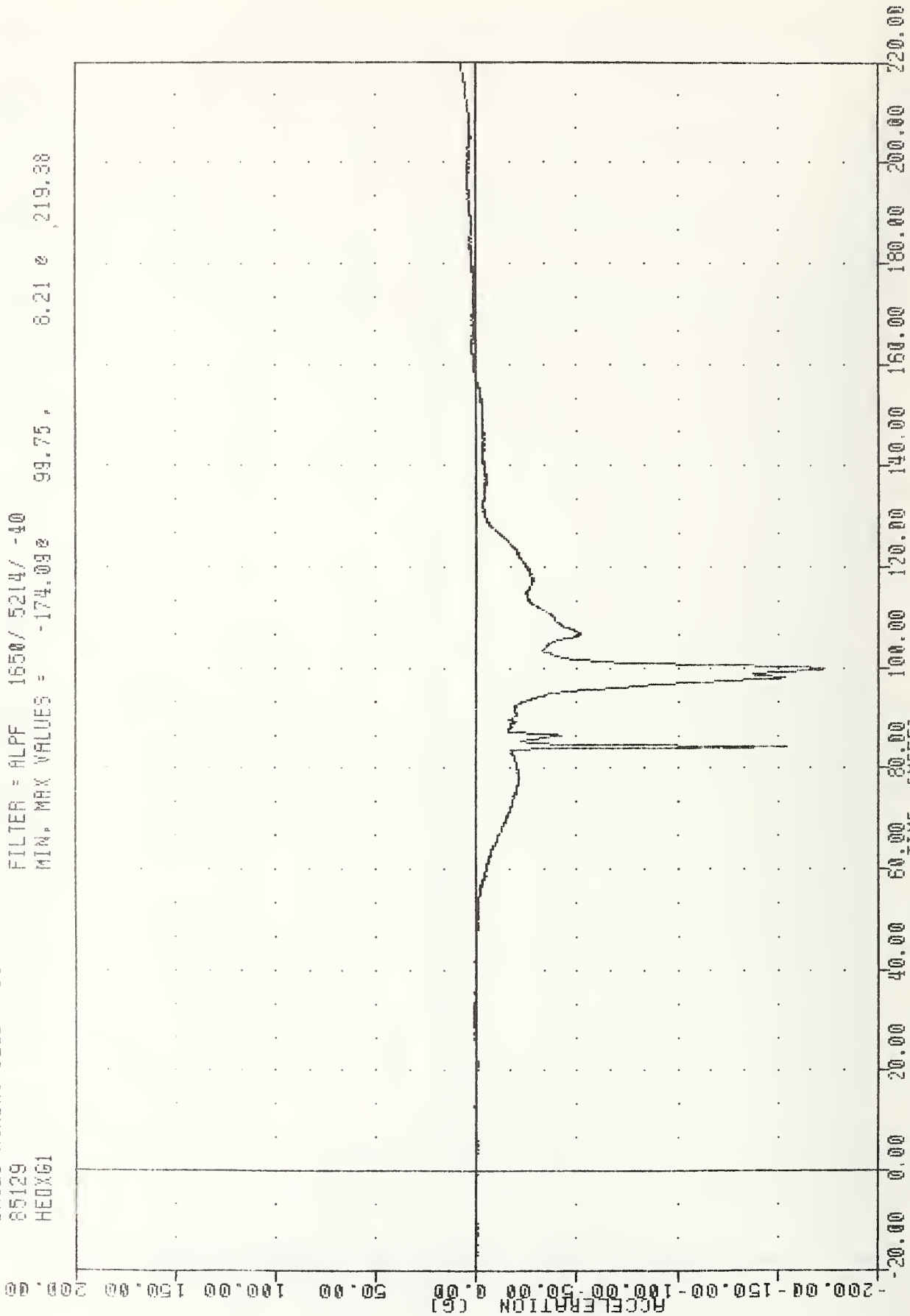


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 EVENT

VRTC , RD384-4-28
BASED AIRBAG SLED PROGRAM
85129
HEAD61

PLOT DATE 10-MAY-85 12:10:22

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -174.092 99.75 , 8.21 e , 219.38

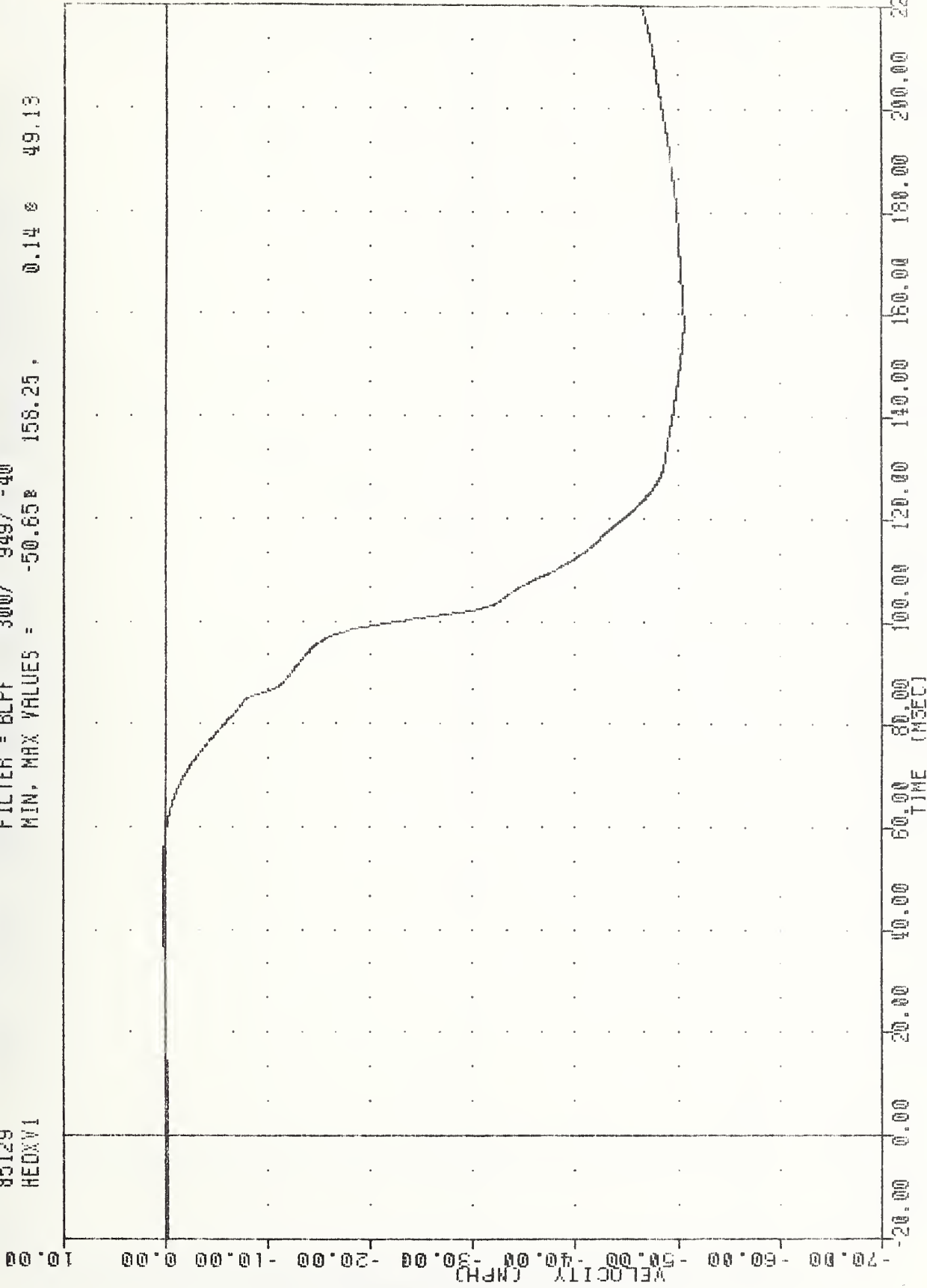


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-26
BREED AIRBAG SLED PROGRAM
85129
HEOV1

PLOT DATE 10-MAY-85 12:11:53

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -50.65 158.25 . 0.14 49.13



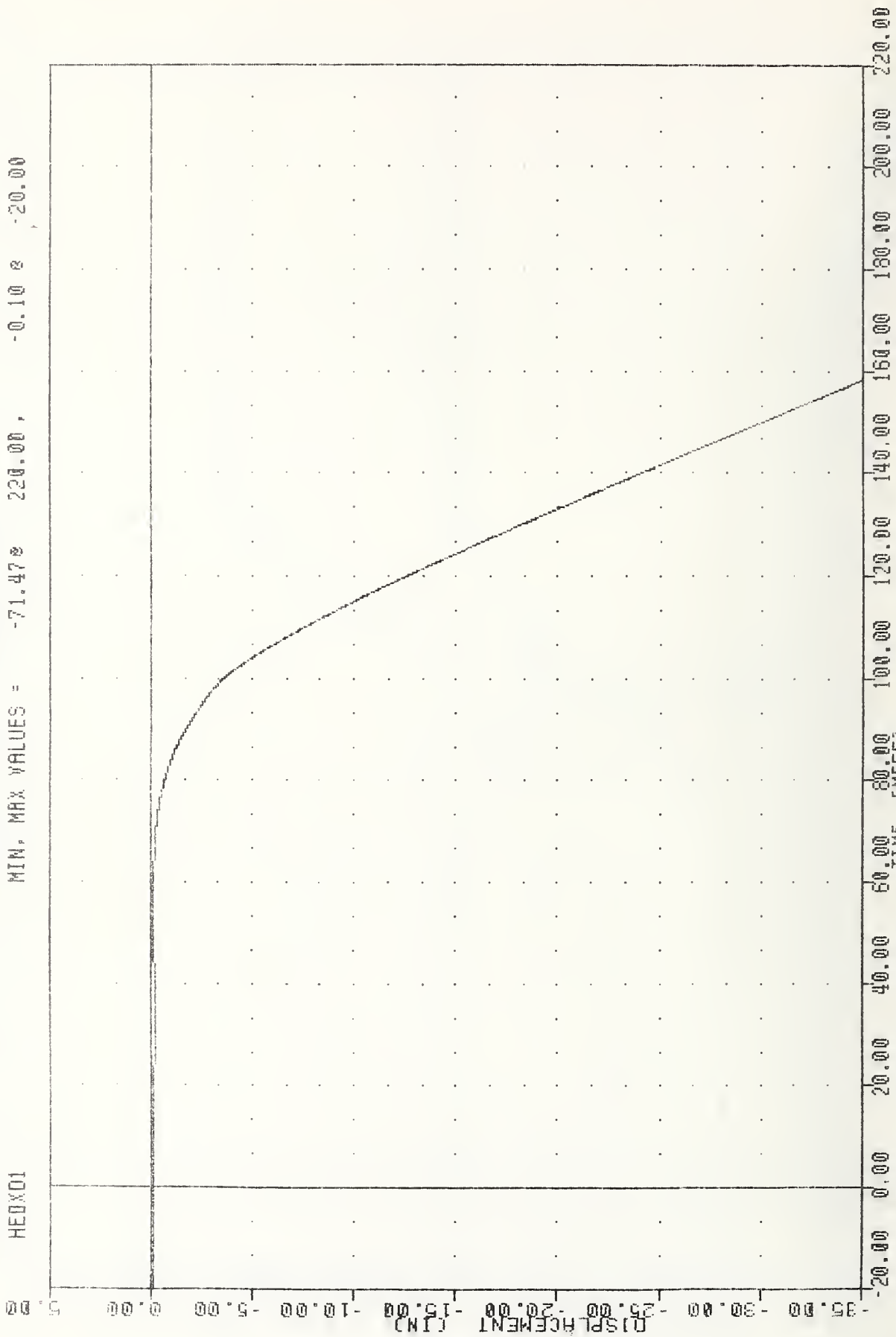
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEV1

VRIC
BRED AIRBAG SLED PROGRAM
35129
HEXD01

PLOT DATE 10 MAR 69 10:15

FILTER = 8LFF 300/ 949/ -40

MIN. MAX VALUES = -71.47 220.00 -0.10 20.00



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

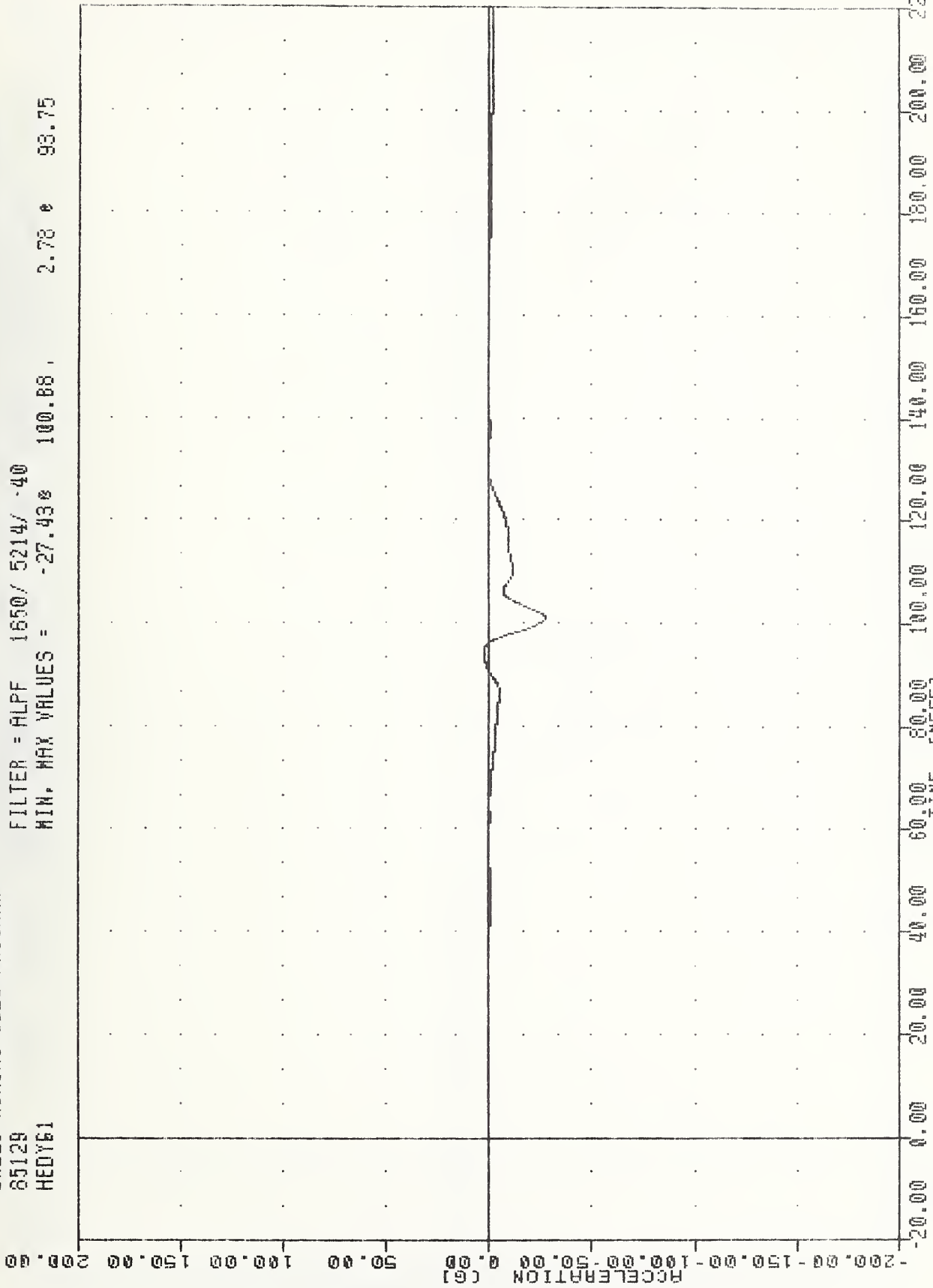
DELTA X USING HED01

VRTC 80384-4-28
BREED HIGHWAY SLED PROGRAM
85128
HEDY61

PLOT DATE 10-MAY-85 12:10:22

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -27.43 100.88 , 2.78 93.75



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION : AXIS

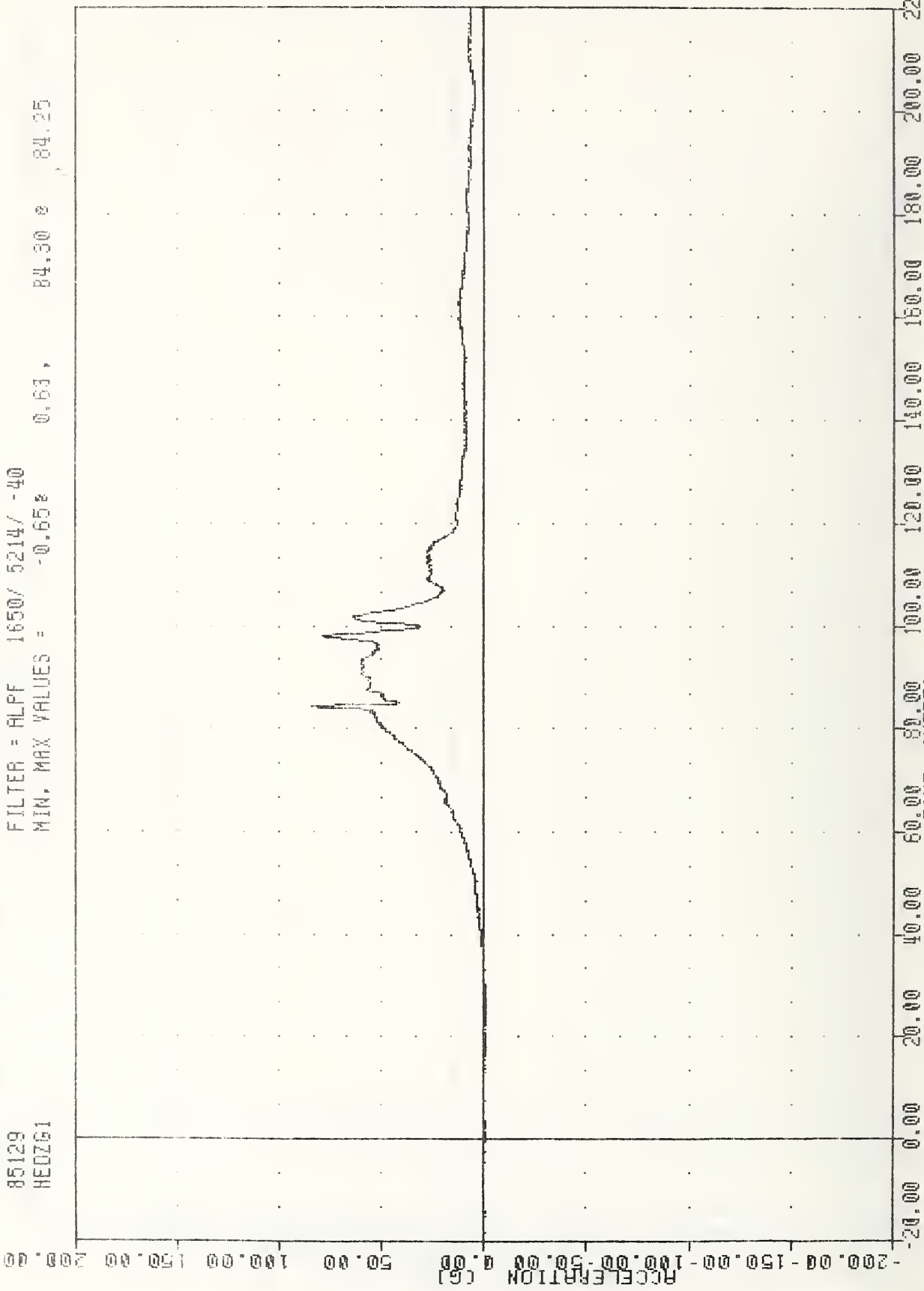
NRTC
85129
HE0261

ROBBER 4-28
10-MAY-87 12:10:23

BREED AIRBAG SLED PROGRAM

FILTER = ALFF 1650/ 5214/ -40

MIN. MAX VALUES = -0.65g 0.63g 84.30g 84.25

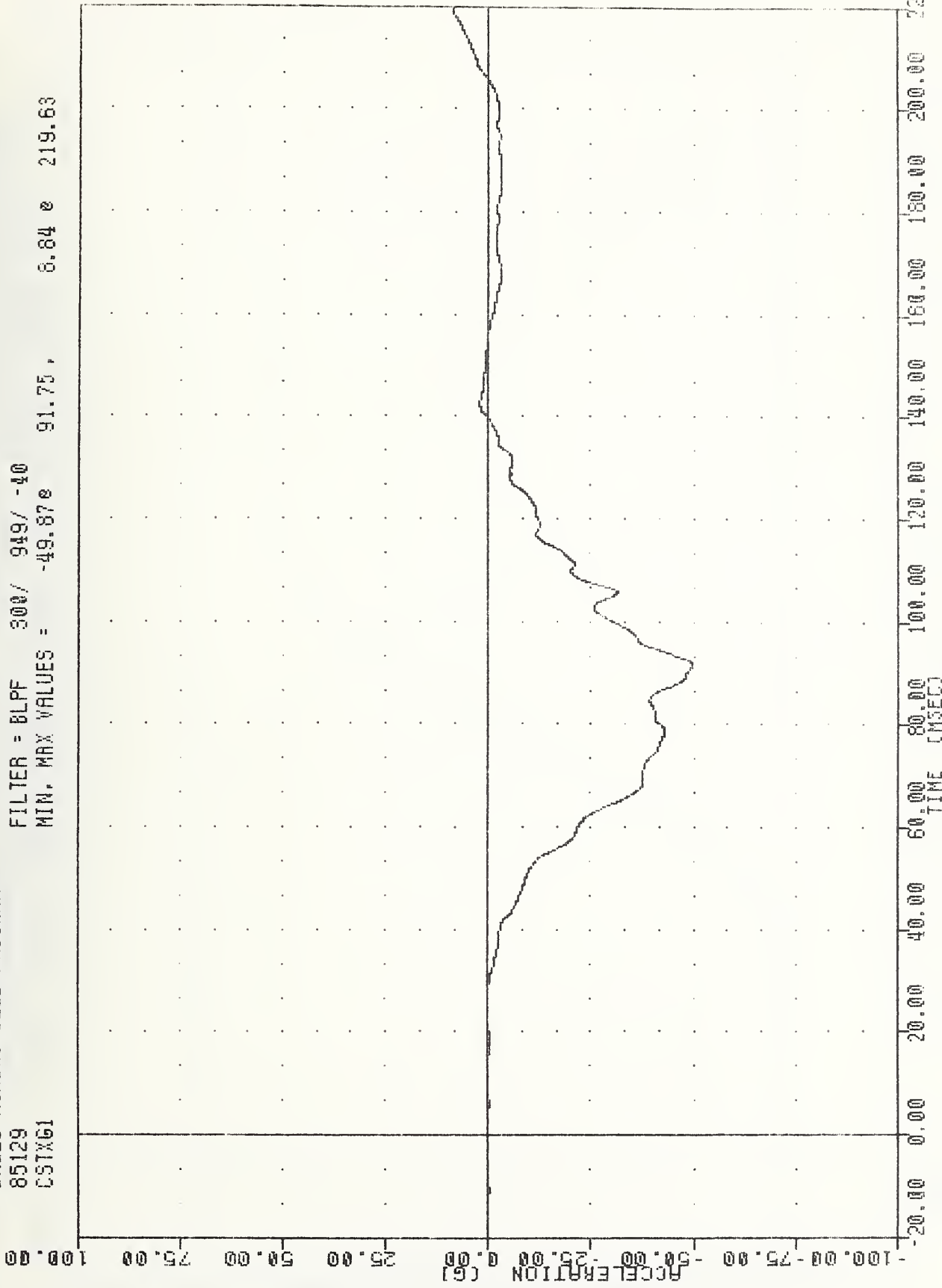


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-28
BASED AIRBAG SLED PROGRAM
85129
CSTX61

PLOT DATE 10-MAY-85 12:10:22

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -49.87e 91.75 , 6.84 e 219.63



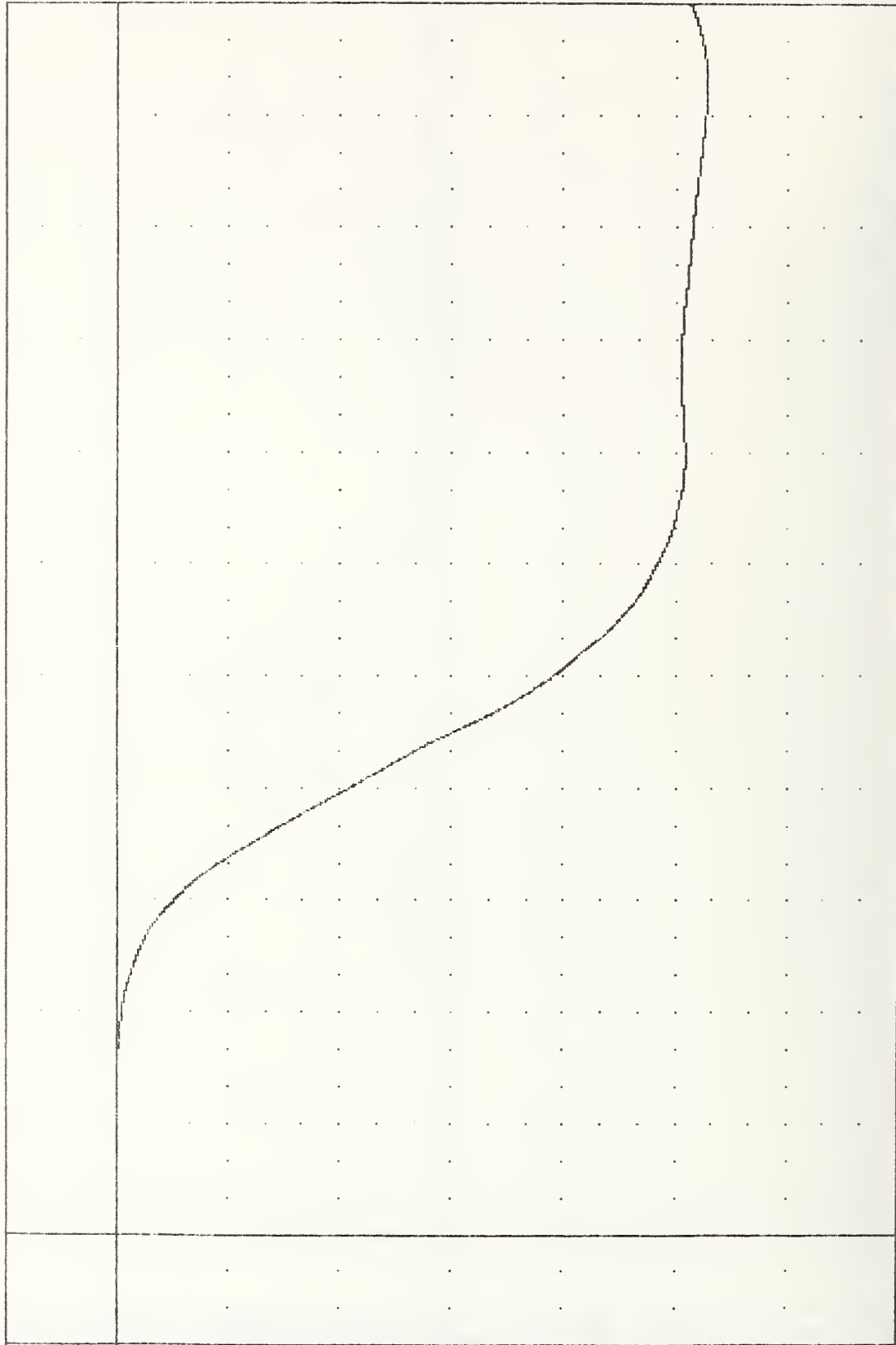
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-28
SPEED HIRSHG SLED PROGRAM
85129
CSTXVI

PLOT DATE 10-MAY-85 12:11 53

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -52.948 205.50 , -0.068 , 4.00

10.00
-70.00
-80.00
-50.00
-40.00
-30.00
-20.00
-10.00
0.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00

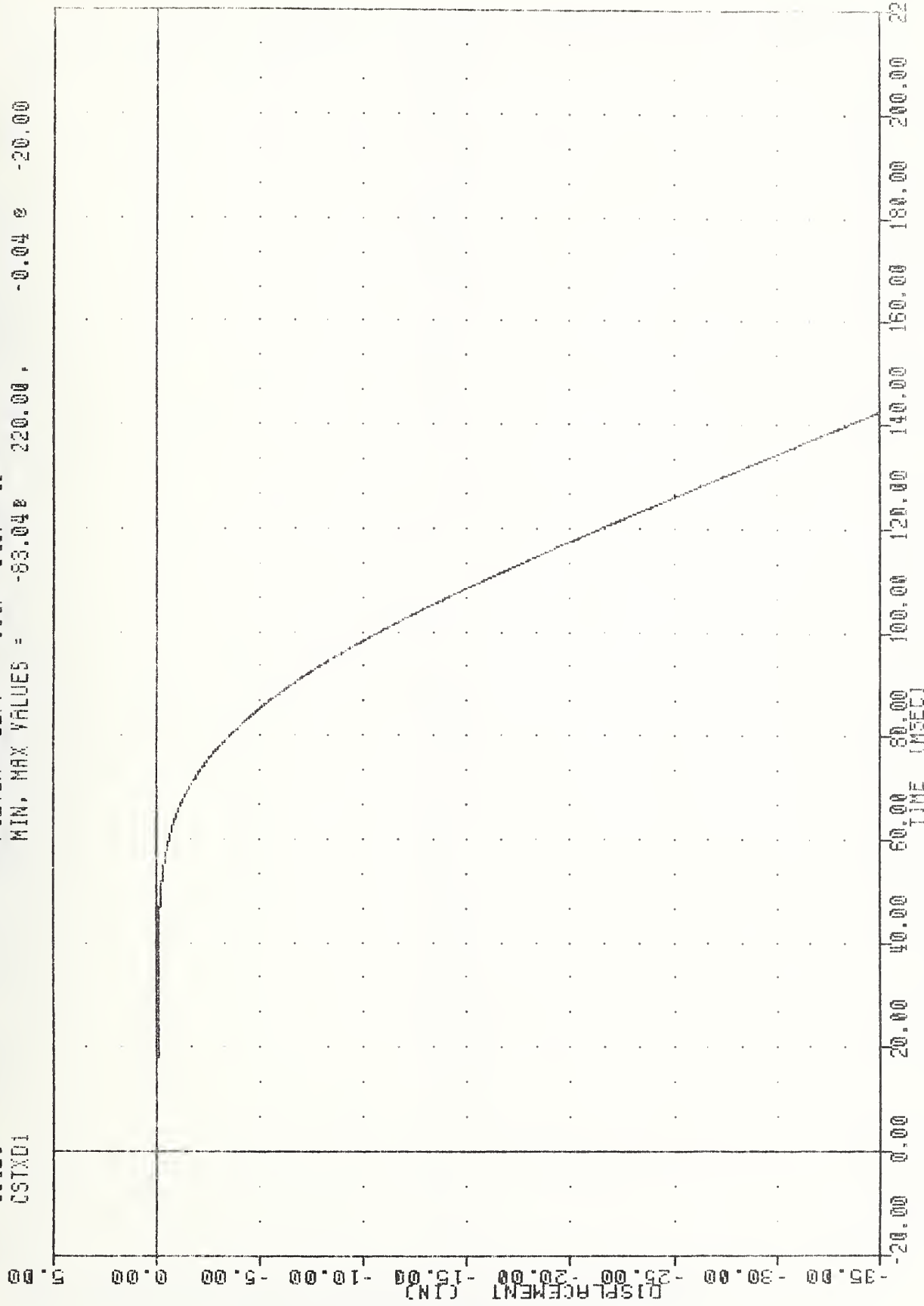


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXGI

NRTC , RD384-4-28
BRAED AIRBAG SLED PROGRAM
85129
CSTXD1

PLOT DATE 10-MAY-85 12:11:53
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -53.04 e 220.00 , -0.04 e -20.00

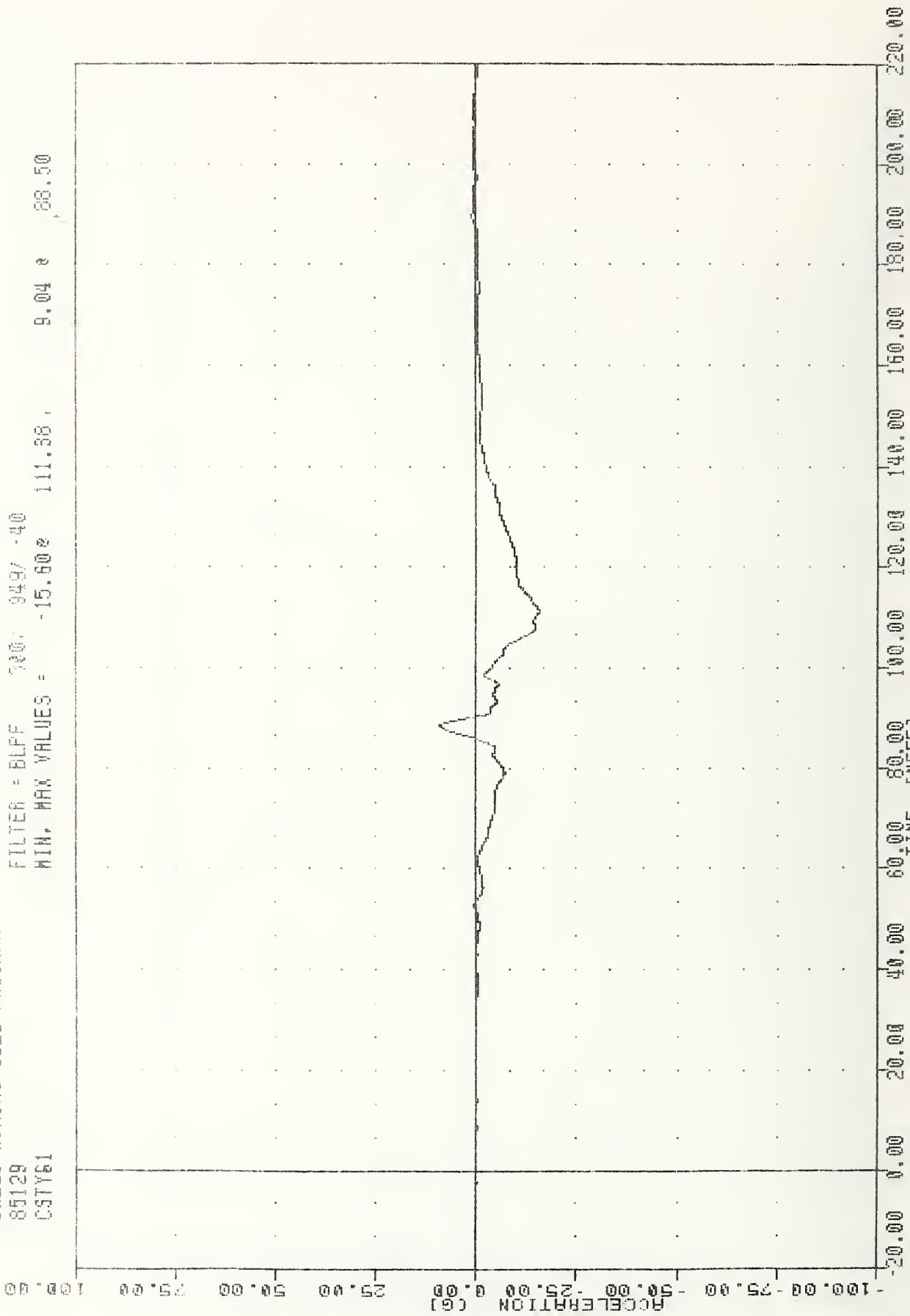


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DEPT. OF TRANSPORTATION

VATC
BREC0 AIRBAG SLED PROGRAM
85129
CSTY61

CLIP NAME 10MAY55 011A2

FILTER = BLFF 700: 949/ -40
MIN. MAX VALUES = -15.60e 111.58 , 9.04 e , 88.50



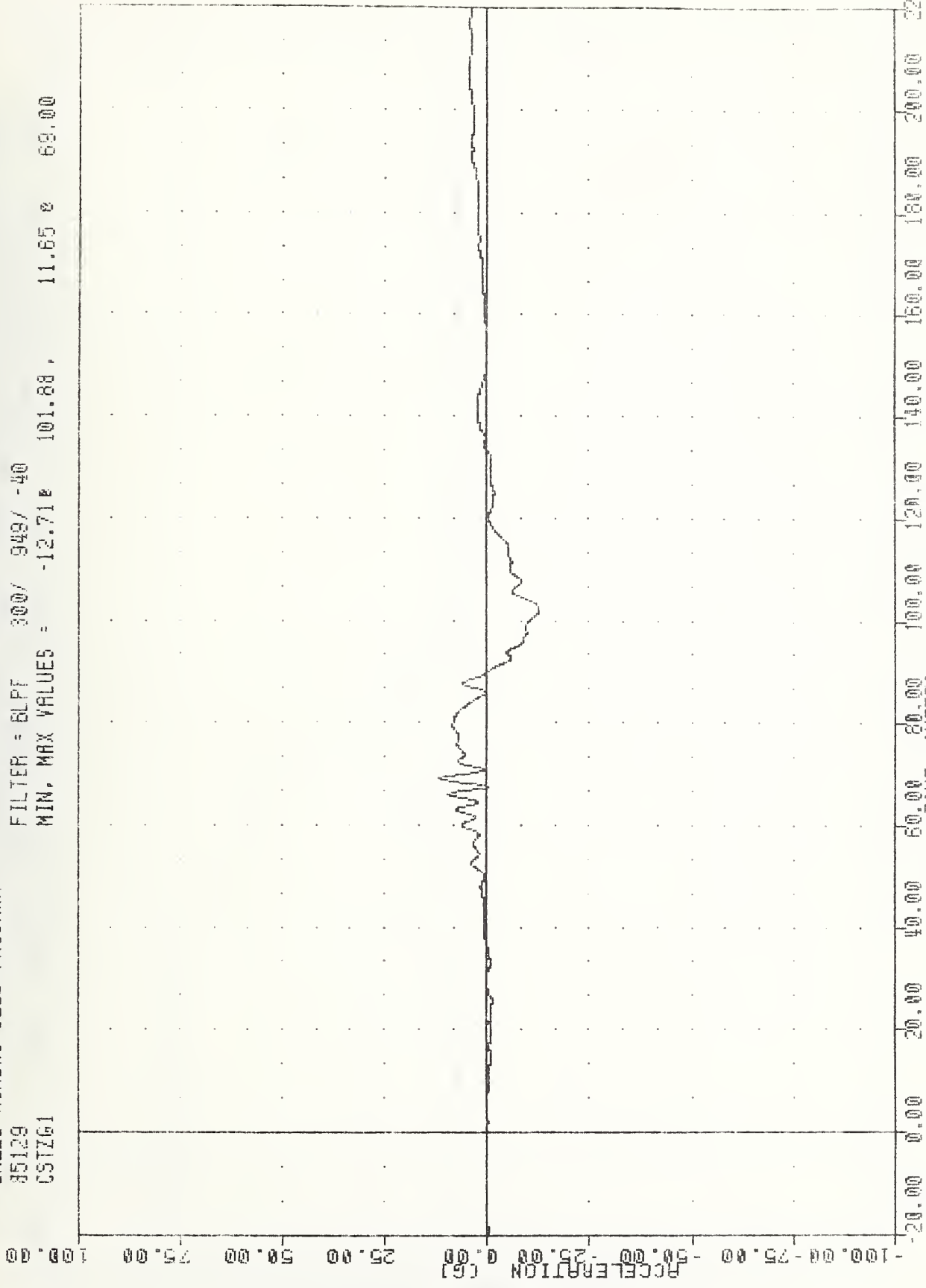
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

NR10 , R0384 3-28
BREED AIRBAG SLED PROGRAM
35129
CSTZG1

PLOT DATE 10-MAY-85 12:10:22

FILTER = 6LFF 300/ 949/ -40

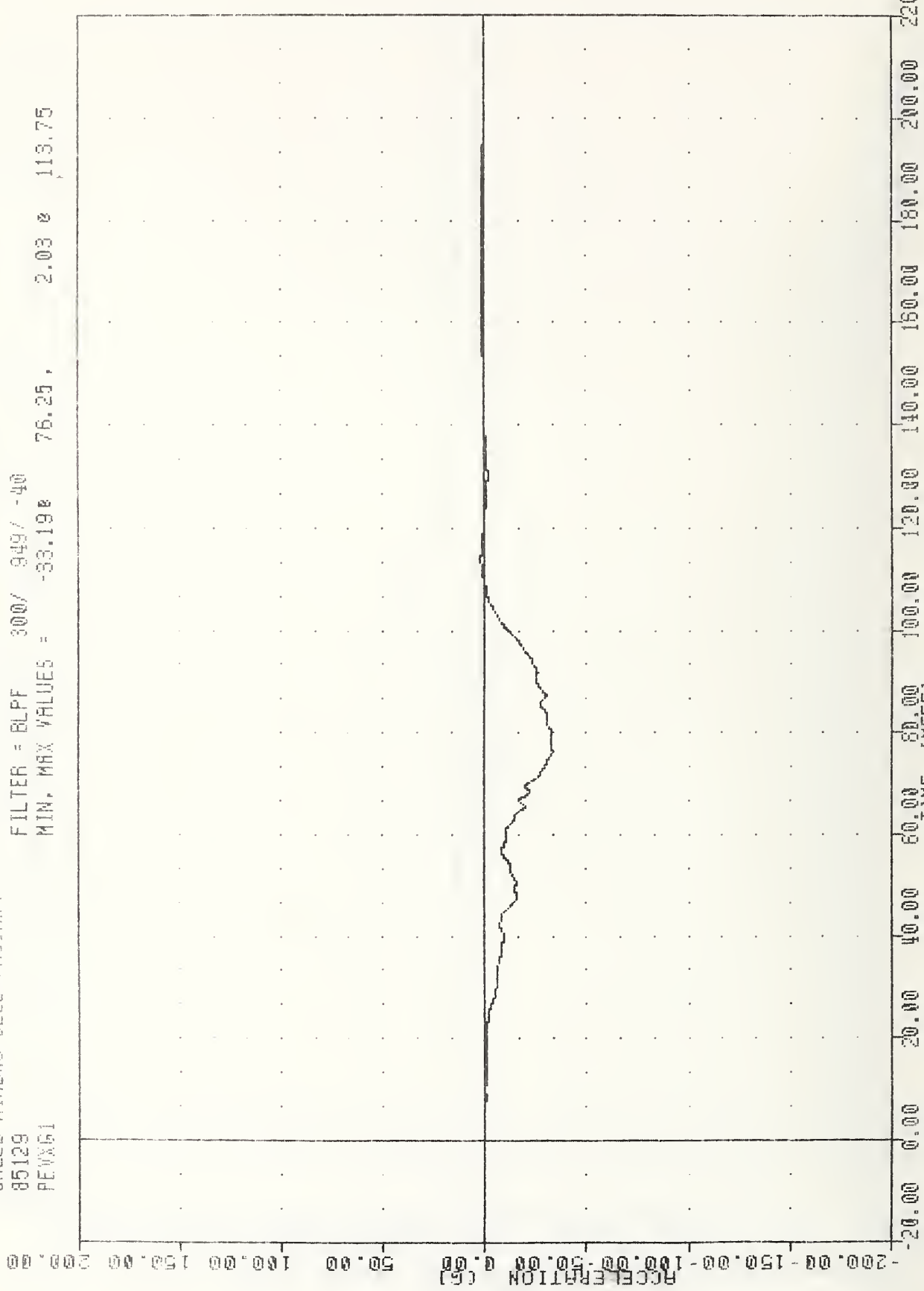
MIN. MAX VALUES = -12.71E 101.88 , 11.65 E 69.00



CHEVROLET IMPALA SLED TEST 40 MPH - 50TH PERCENTILE DUMMY

VRTC , R0384-4-28
BRAED AIRBAG SLED PROGRAM
85129
PEVX61

PLOT DATE 10-MAY-85 14:43
FILTER = BLPF 300/ 349/ -40
MIN. MAX VALUES = -33.19e 76.25, 2.03 e 113.75

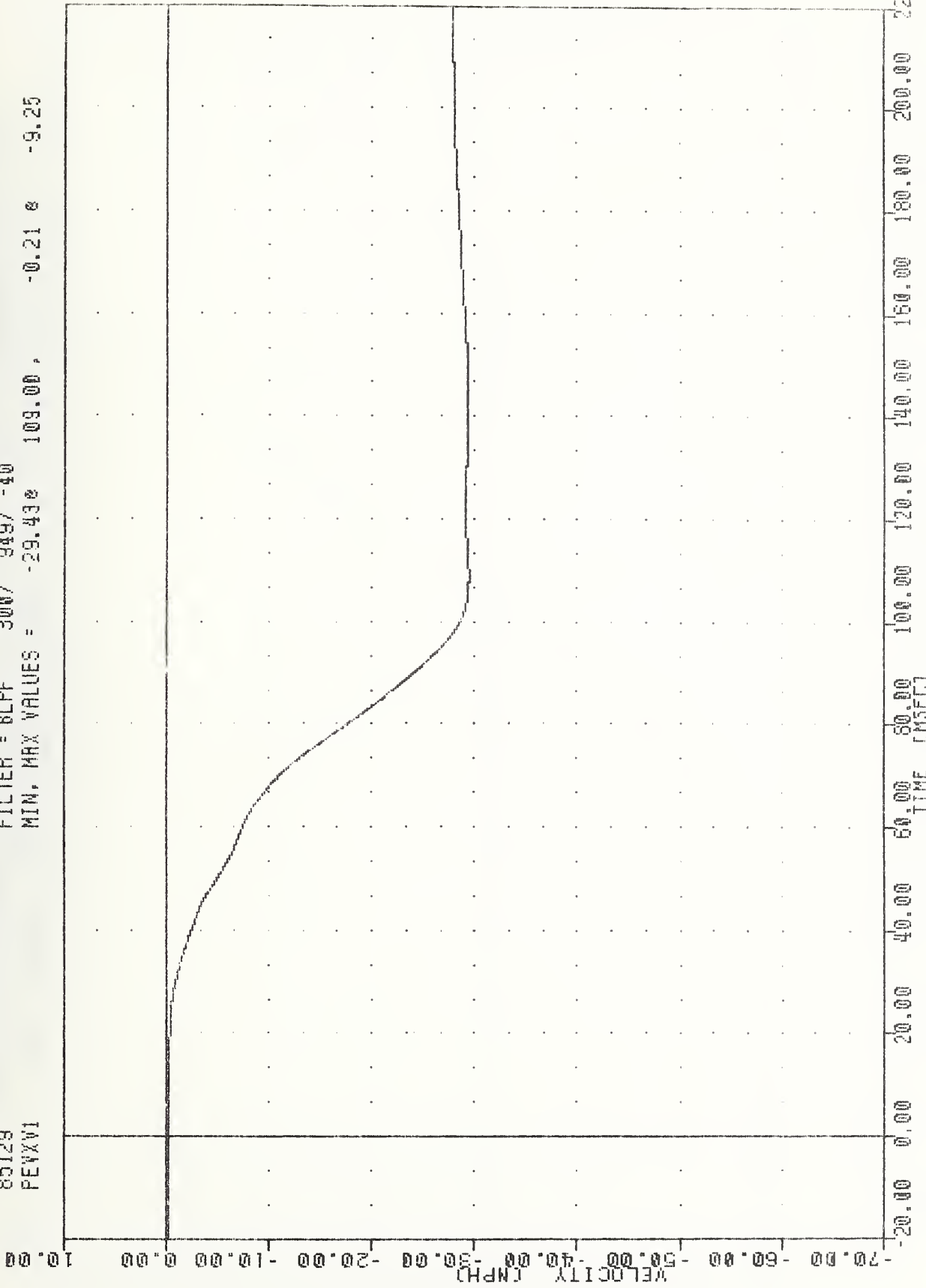


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRIC , 80384-4-28
BIRED AIRBAG SLED PROGRAM
85129
PEVXV1

PLOT DATE 10-MAY-85 12:11:58

FILTER = 8LFF 300/ 849/ -40
MIN. MAX VALUES = -29.43e 109.00, -0.21 e -9.25

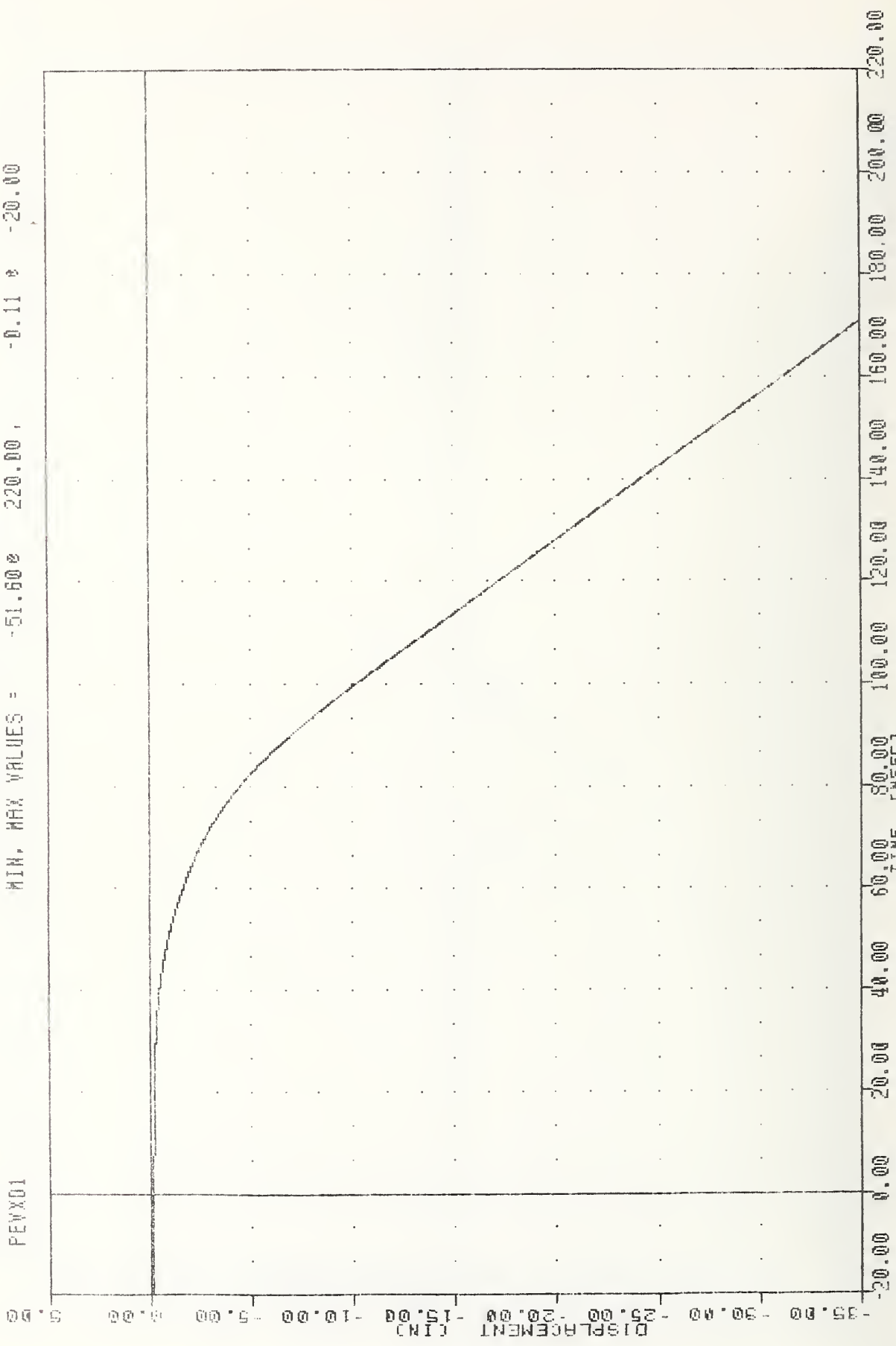


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING PEVXV1

VATC , R0384-4-20
BRAED AIRBAG SLED PROGRAM
05129
PEVXD1

PLT DATE 10-MAY-85 12.00 PM

FILTER = BLPF 300/ 949/ 40
MIN. MAX VALUES = -51.60 220.00 -0.11 0 -20.00



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING PEVXD1

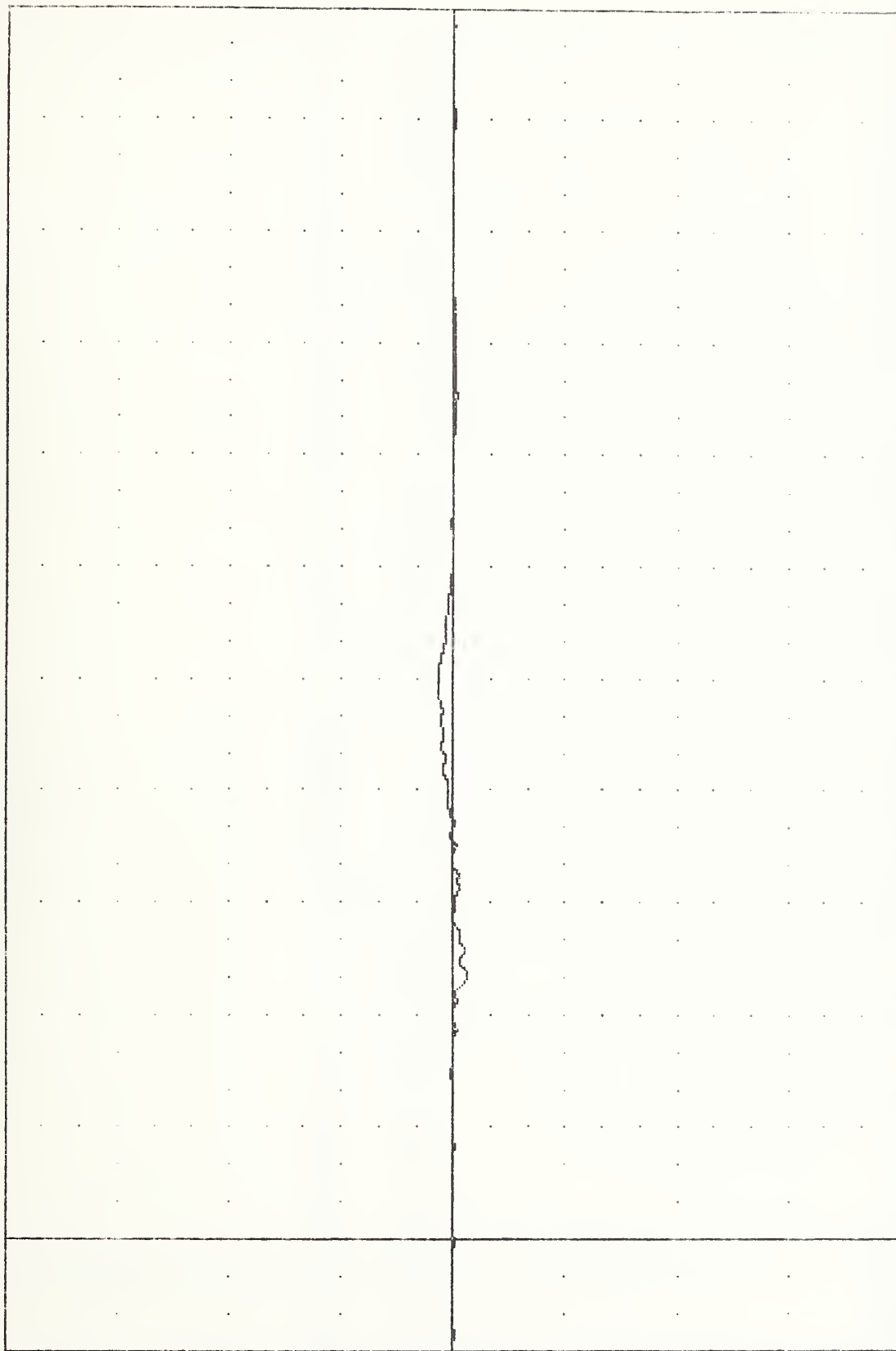
VRTC , 50384-4-28
BREED AIRBAG SLED PROGRAM
85129
PEVY61

PLOT DATE 10-MAY-85 12:10:22

FILTER = BLPF 300/ 919/ -40

MIN. MAX VALUES = -6.16e 47.13, 6.60e 98.25

ACCELERATION (G) 200.00 150.00 100.00 50.00 0.00 -50.00 -100.00 -150.00 -200.00



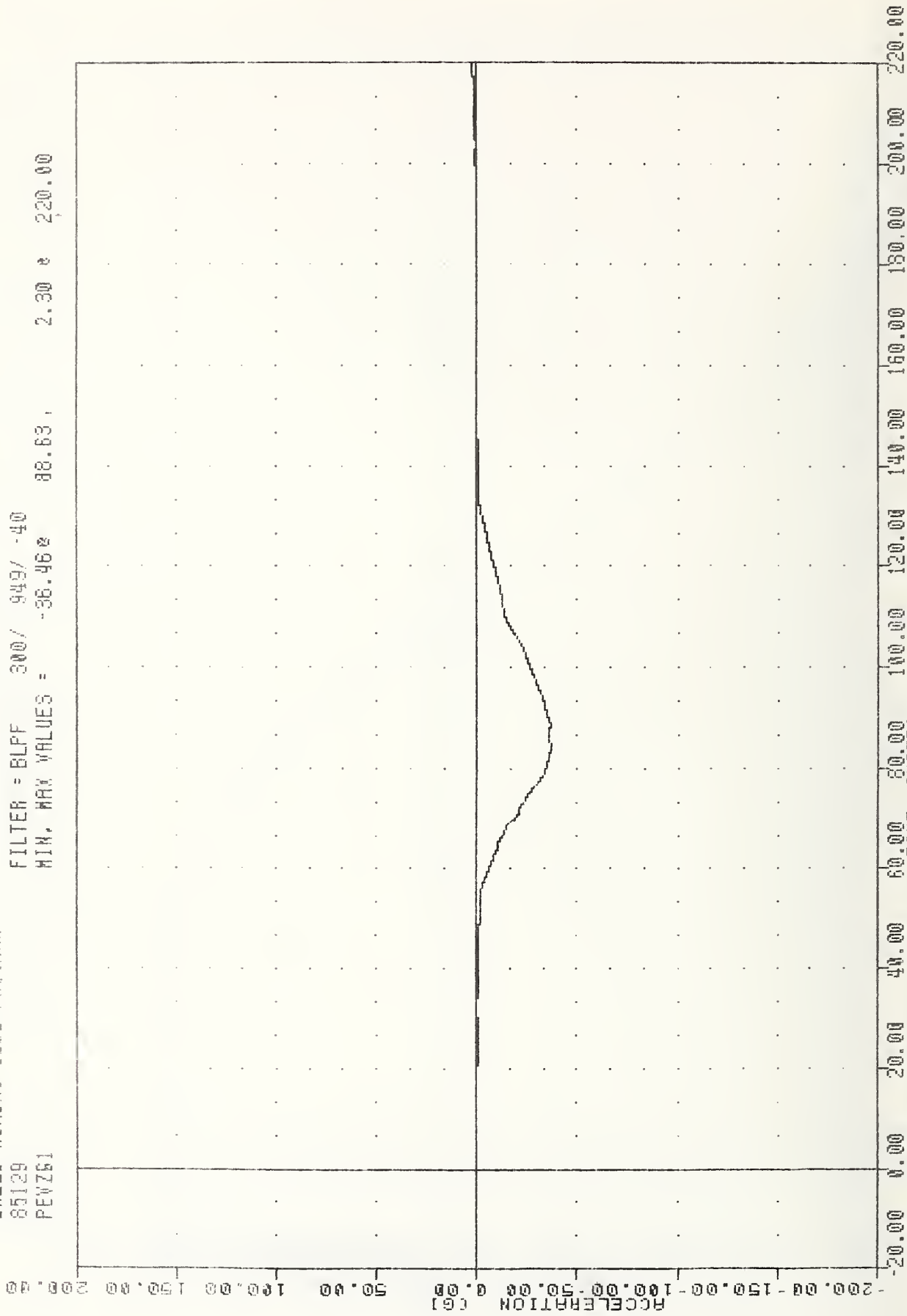
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VATC , RD804-4-28
BAREO AIRBAG SLED PROGRAM
85129
PEVZ51

PLOT DATE 10-MAY-83 12:10.25

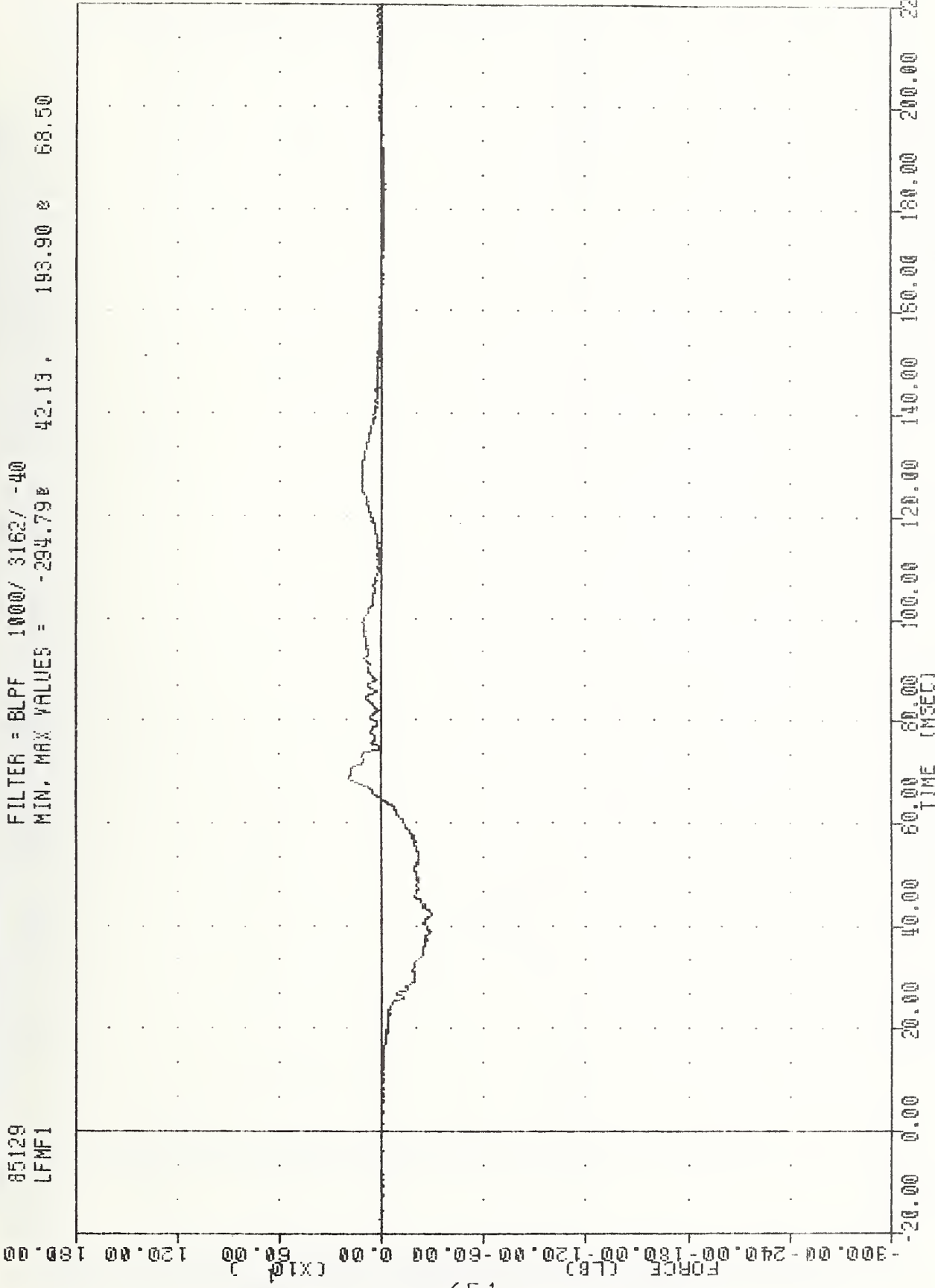
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -36.962 88.63 , 2.30 e 220.00



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

V5TC , R0324-4-28
BREED AIRBAG SLED PROGRAM
85129
LFMF1

PLOT DATE 10-MAY-85 12:10:22
FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -294.79# 42.13 , 193.90 # 68.50



651

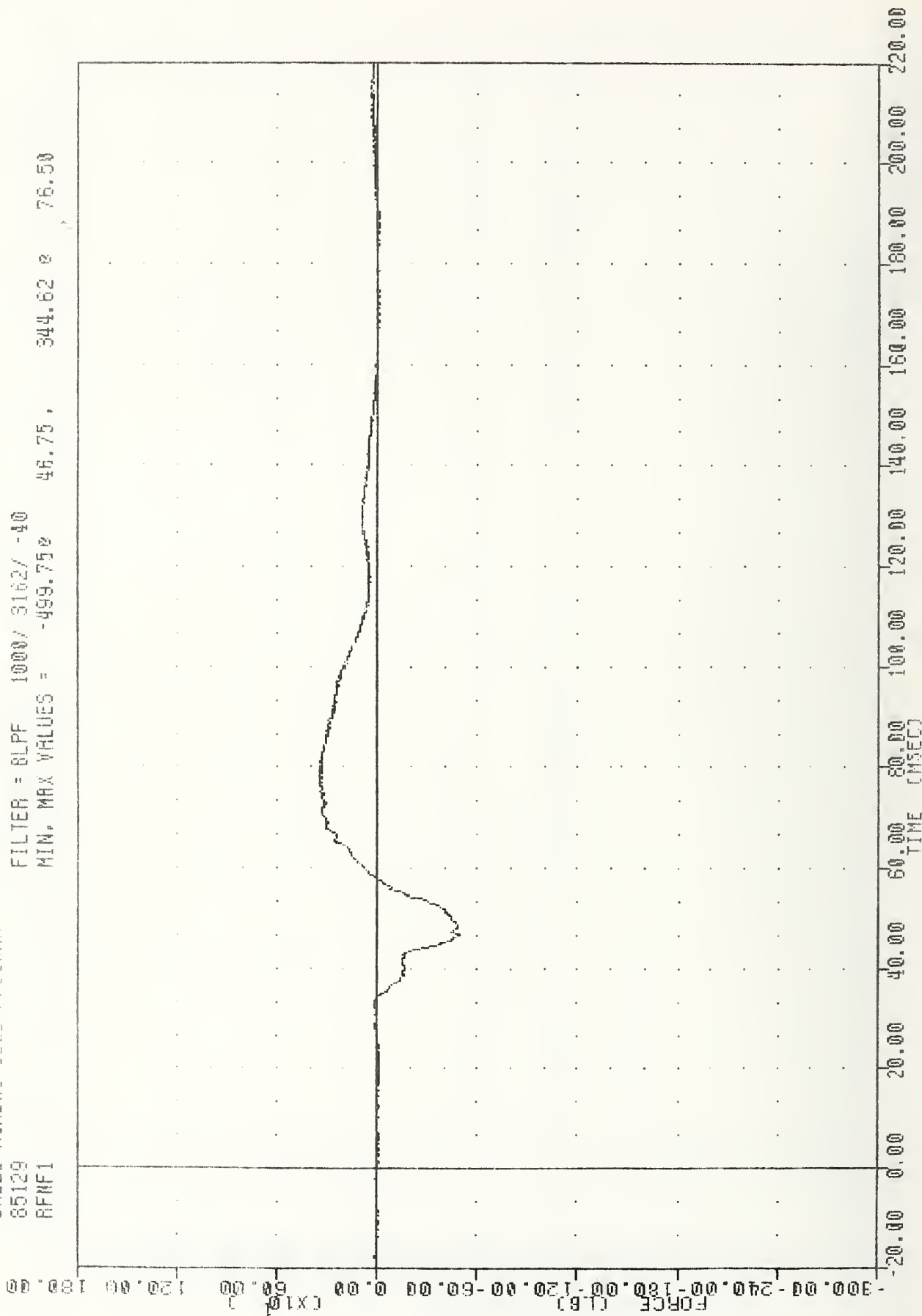
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC
BREED AIRBRG SLED PROGRAM
85129
RFNF1

PLOT DATE 10 MAY 65 12:10:22

FILTER = 6LPP 1000/ 3162/ -40

MIN. MAX VALUES = -999.75 46.75 344.62 76.50

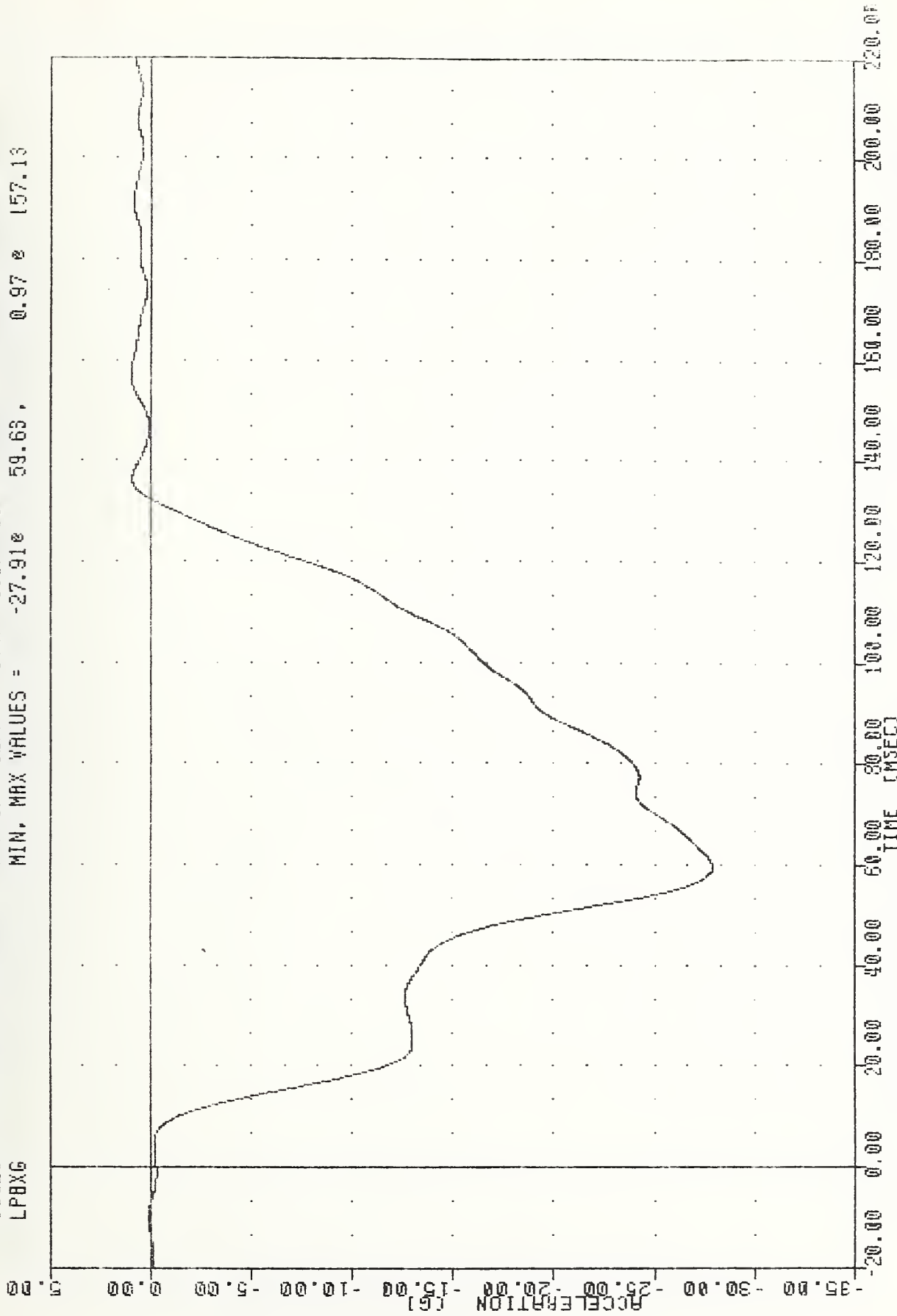


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRIC , RD384-4-28
BREED AIRBAG SLED PROGRAM
85129
LPBXG

PLOT DATE 18-MAY-85 12:10:22

FILTER = 6LFF 100/ 316/ -40
MIN. MAX VALUES = -27.91e 59.63, 0.97 e 157.13

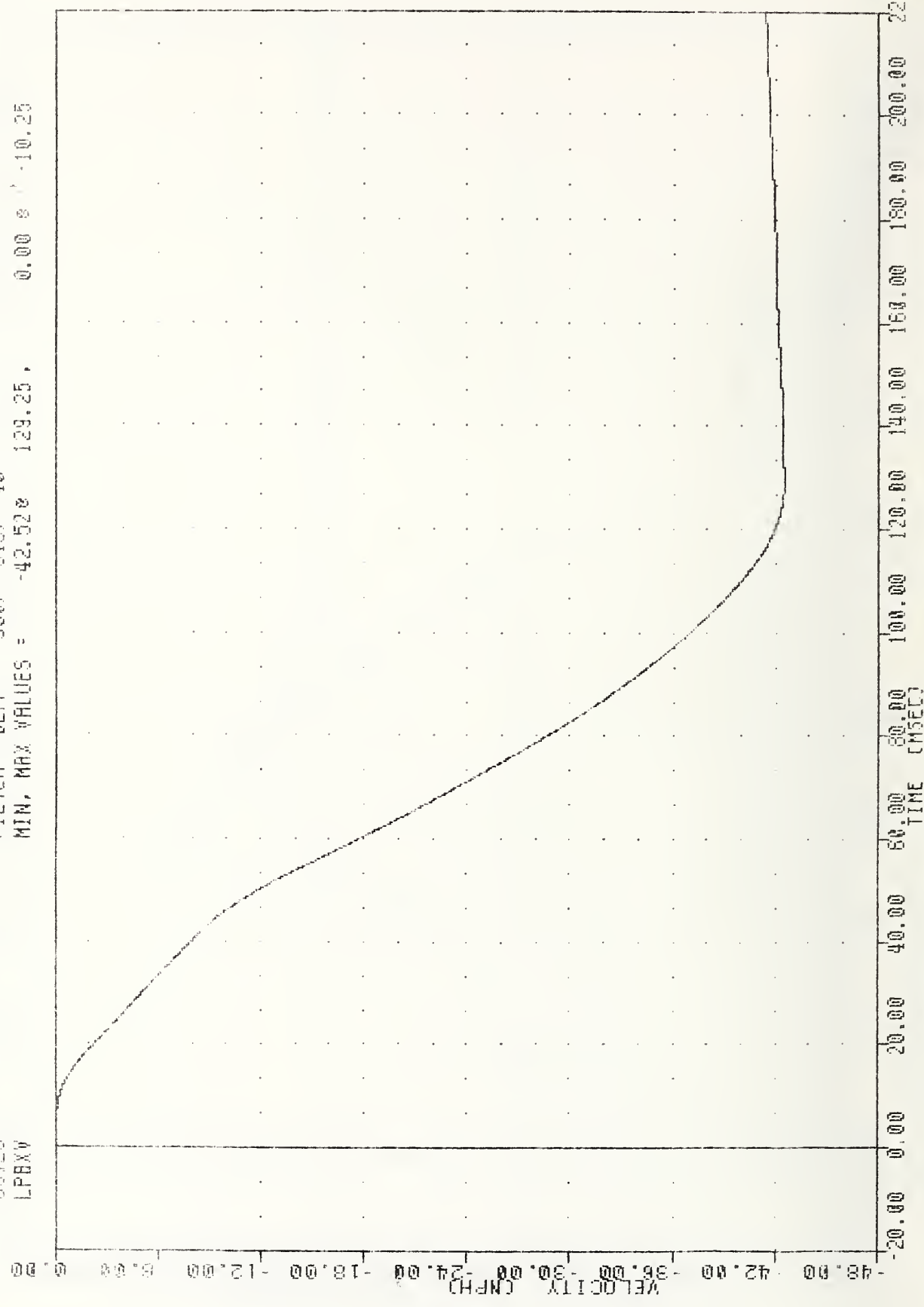


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC
BRED AIRBAG SLED PROGRAM
35129
LPBXV

PLOT DATE 13-MAY-85 10:05:36

FILTER = BLFF 30V 9497 -40
MIN, MAX VALUES = -42.520 129.25, 0.00 0.00 -10.25



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

DELTA VELOCITY (MSEC)

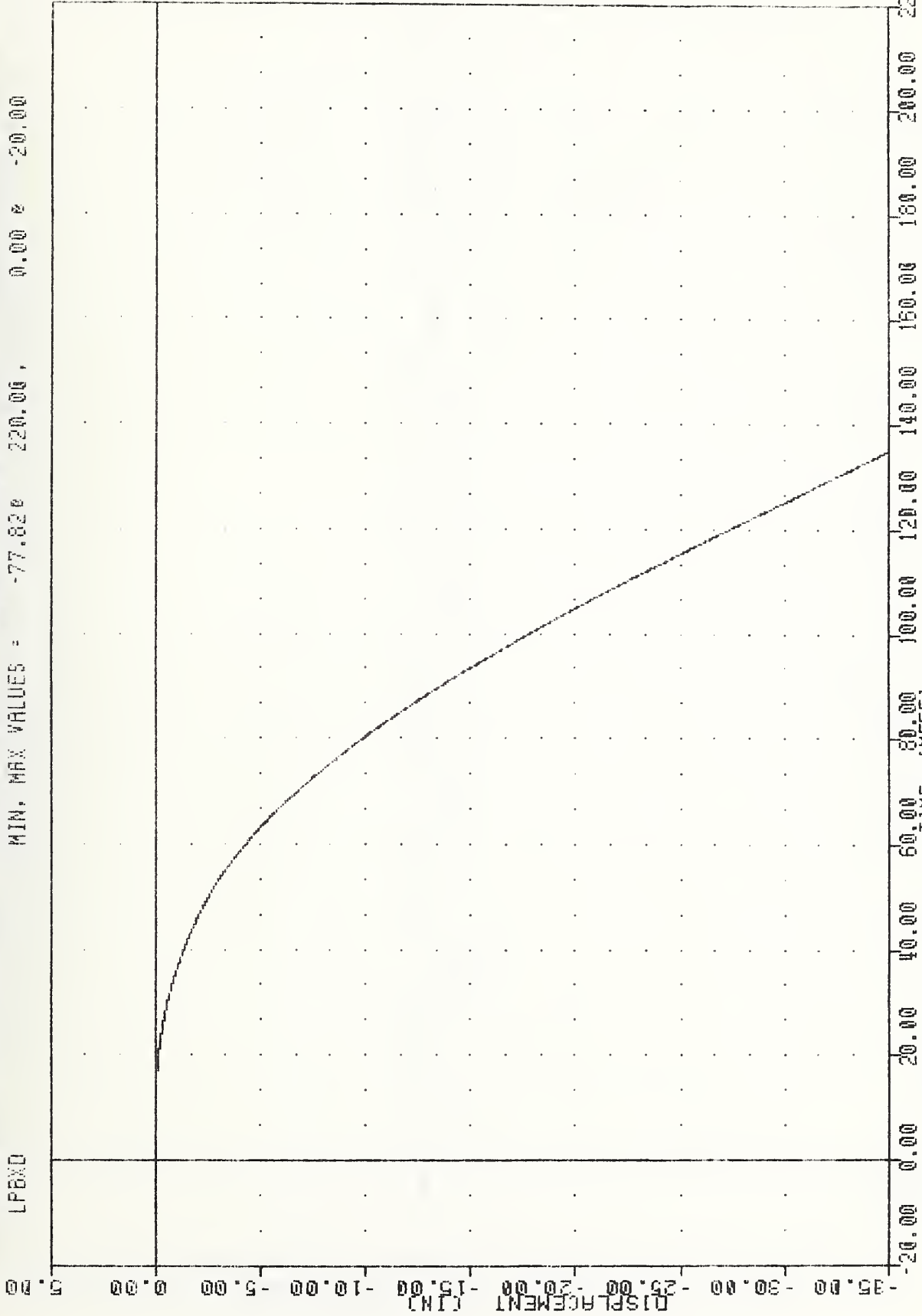
VRIC , R0384-4-28 PLOT DATE 10-MAY-85 12:11:58

98EED AIRBAG SLED PROGRAM

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -77.82e 220.00 , 0.00 e -20.00

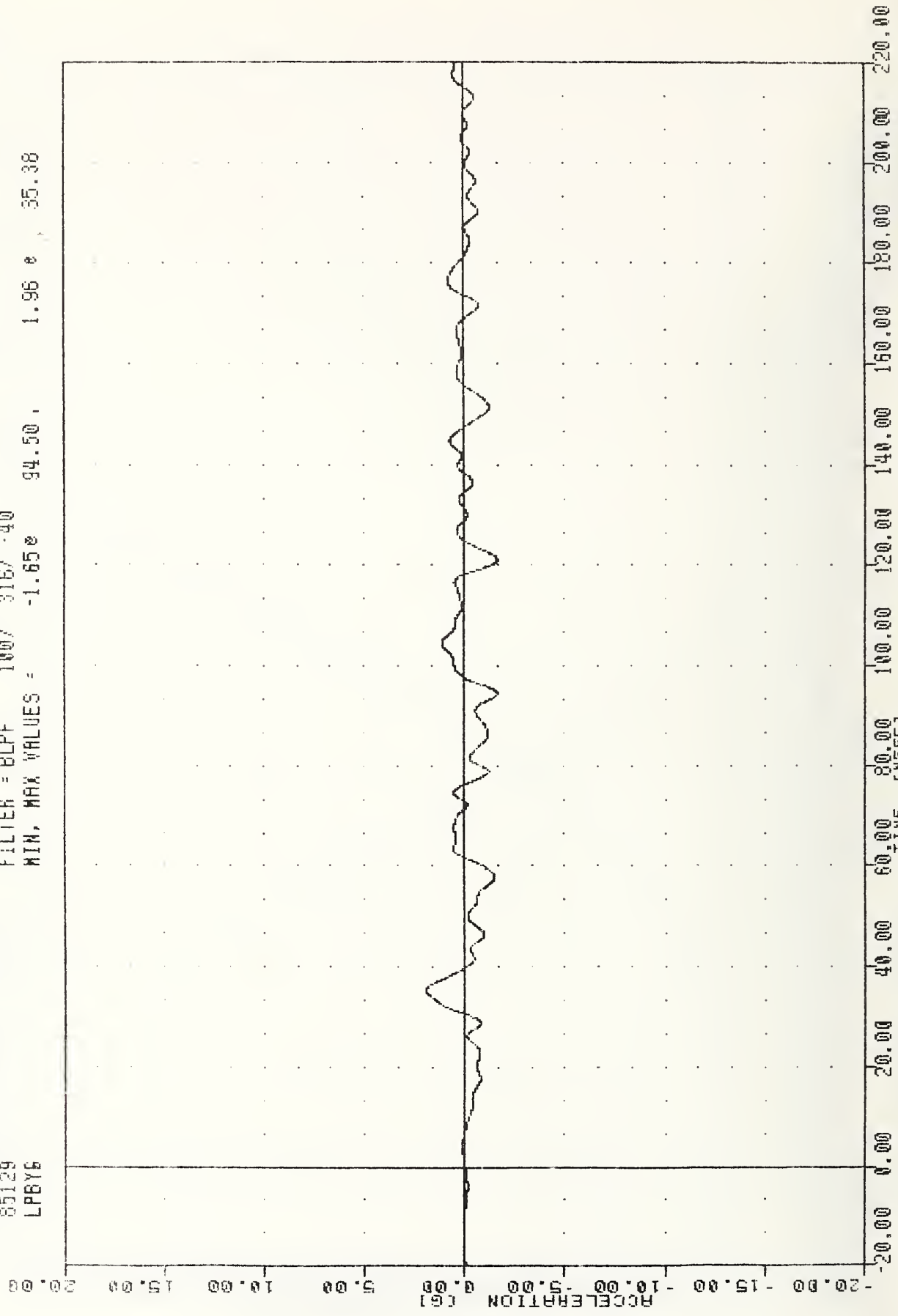
95129
LPBXD



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
FELTA YUSING (P83V)

VATIC 50384-4-28
BREED AIRBAG SLED PROGRAM
85129
LPBY6

PLT DATE 10-MAY 85 12:10:22
FILTER = BLPF 100/ 316/ 40
MIN, MAX VALUES = -1.65e 94.50, 1.96e 35.38

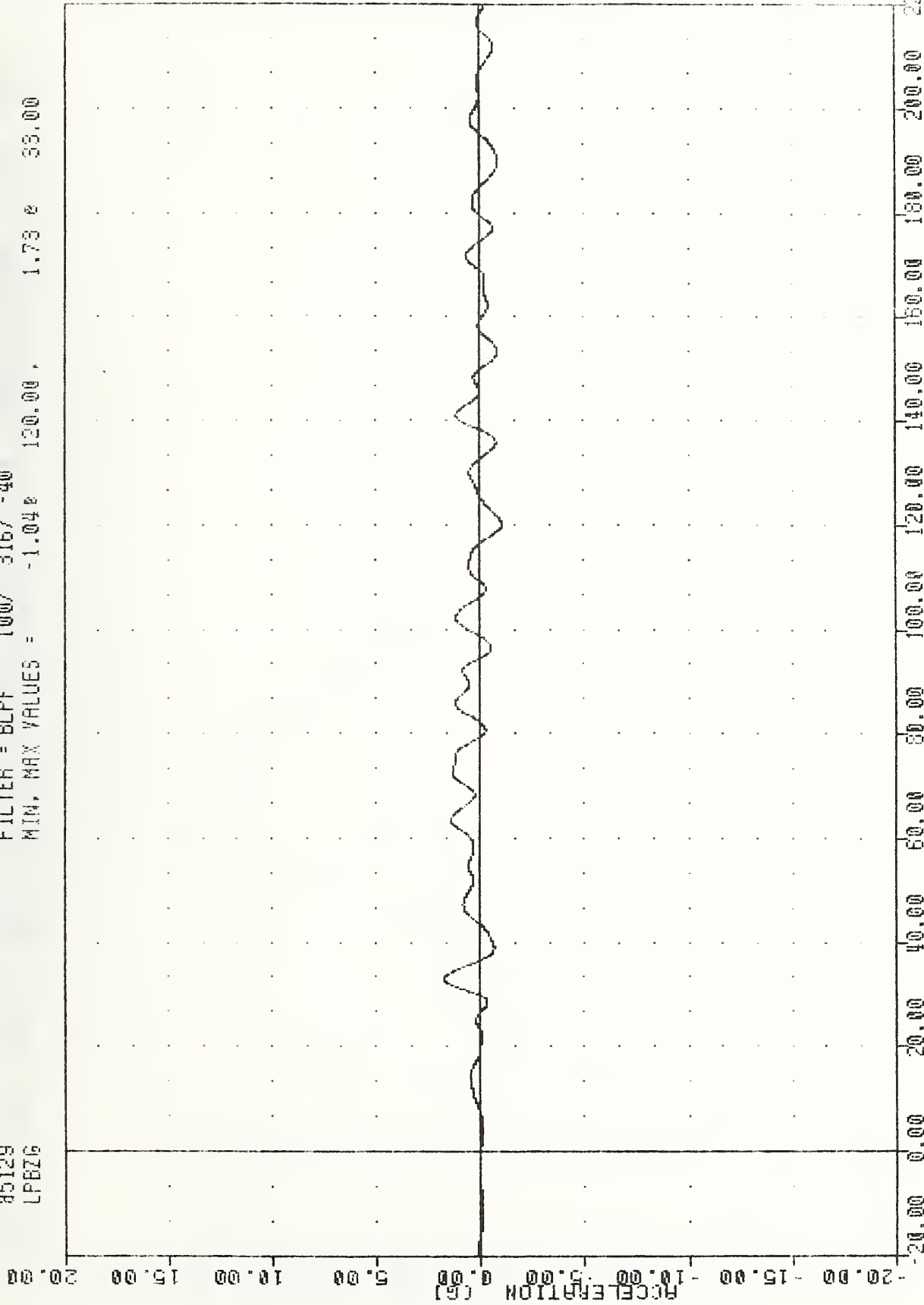


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y PYTS

VRTC RD384-4-28
BREED AIRBAG SLED PROGRAM
85129
LPBZG

PLOT DATE 10-MAY-85 12:10:22

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -1.04E 120.00 , 1.73E 33.00



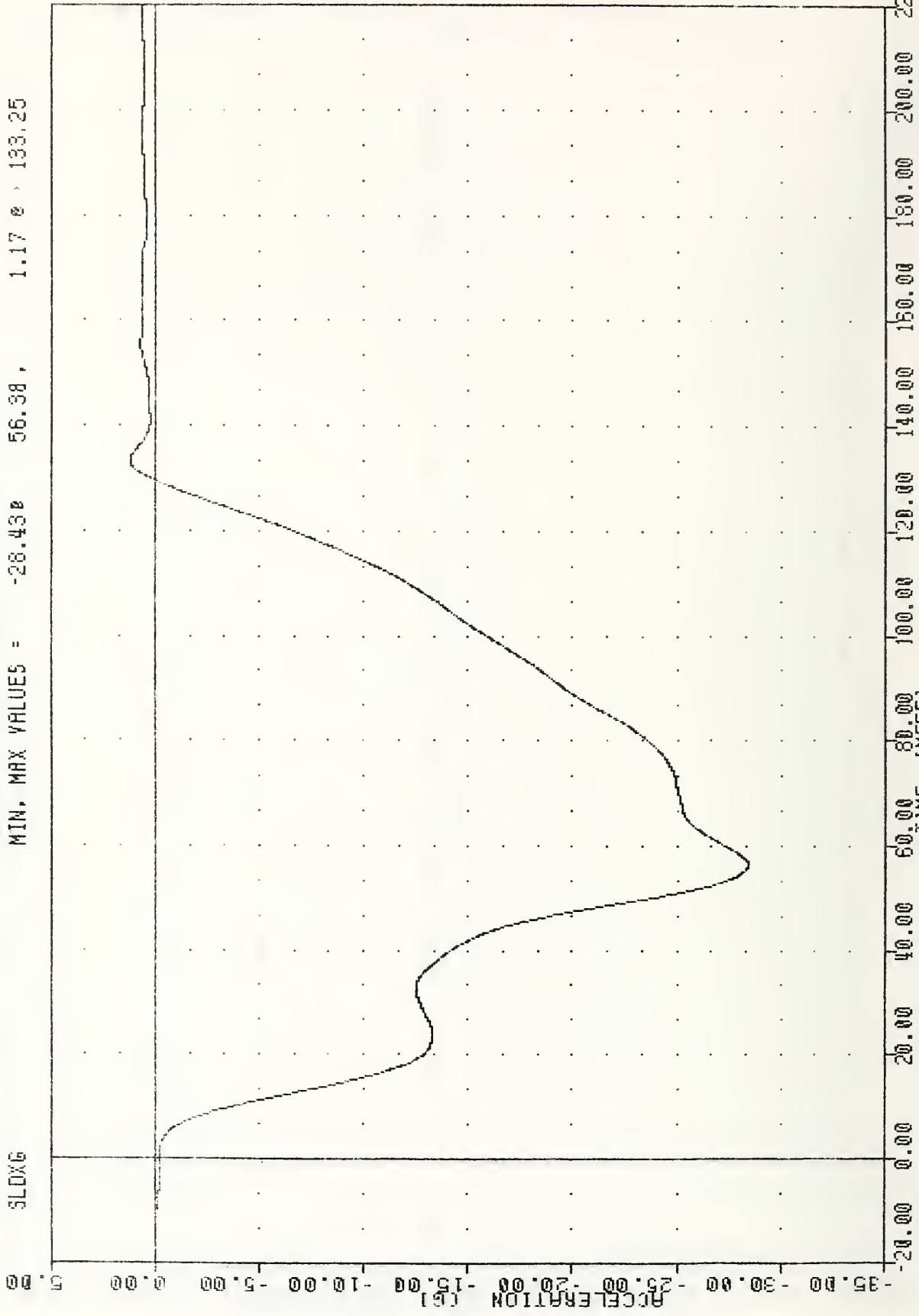
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC
BRED AIRBAG SLED PROGRAM
85129
SLOXG

PLOT DATE 10-MAY-85 12:10:22

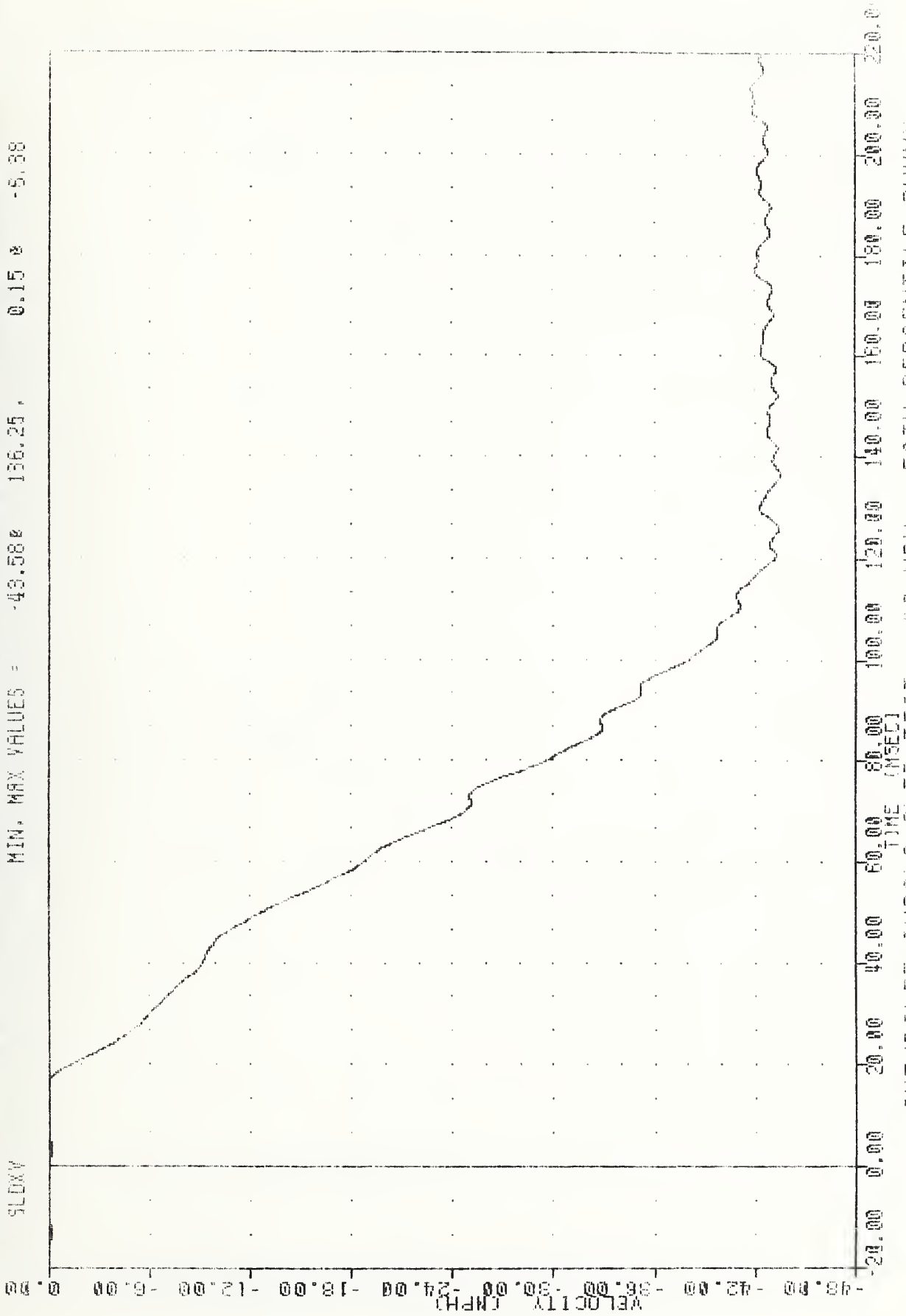
FILTER = BLFF 100/ 316/ -40

MIN. MAX VALUES = -28.430 56.38, 1.17 e + 133.25



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , R0384-1-20 PLOT DATE 15-MAY-85 10:06:04
BREED AIRBAG SLEO PROGRAM
85129 FILTER = ALPF 100/ 316/ -40
SLOWY MIN. MAX VALUES = -43.58e 136.25 , 0.15 e -5.38

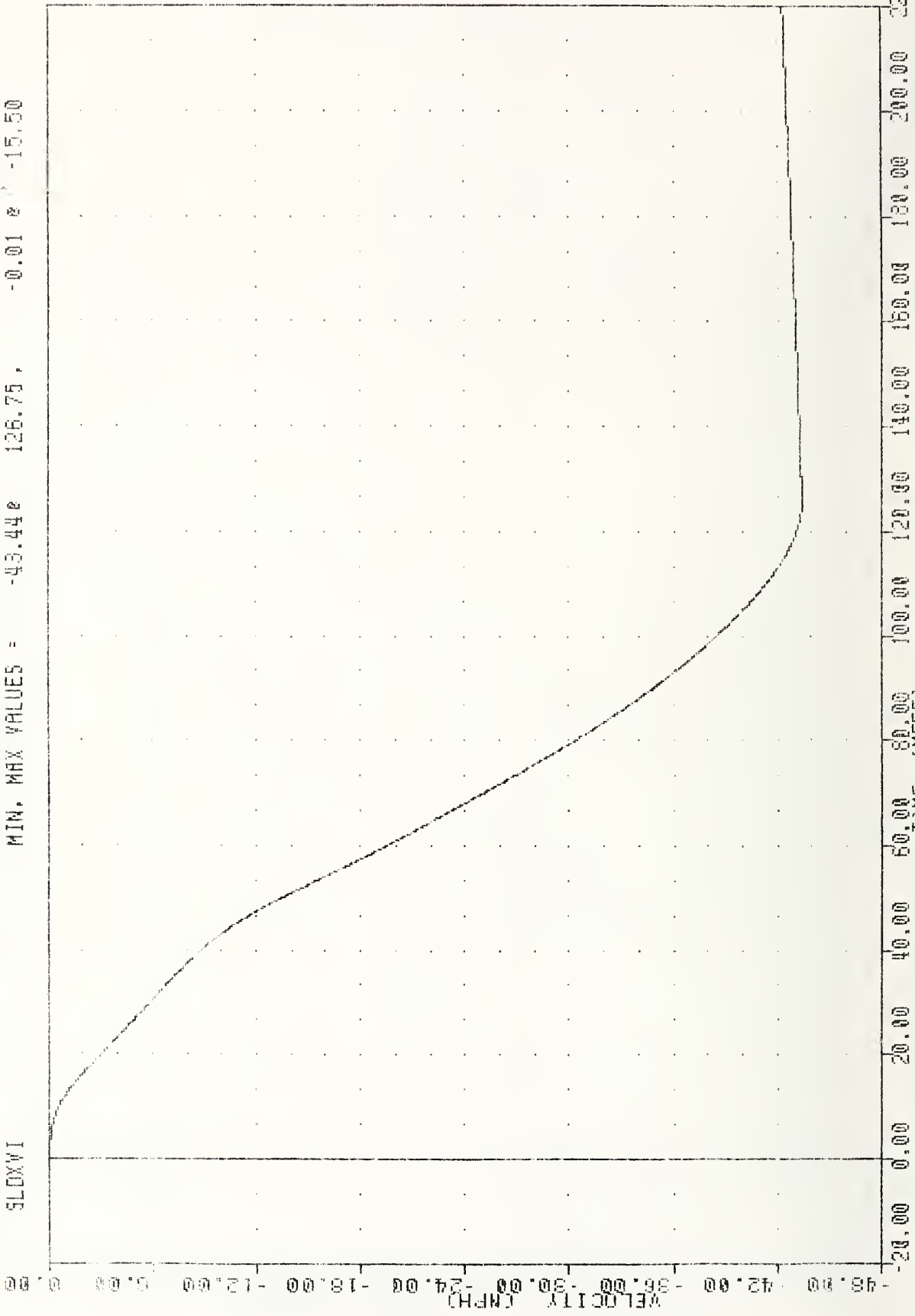


CHEVROLET IMPALA SLEO TEST 40 MPH - 50TH PERCENTILE DUMMY
SLEO VELOCITY: 019571E5

WTC
 SPEED AIRBAG SLED PROGRAM
 95129
 SLOXVI

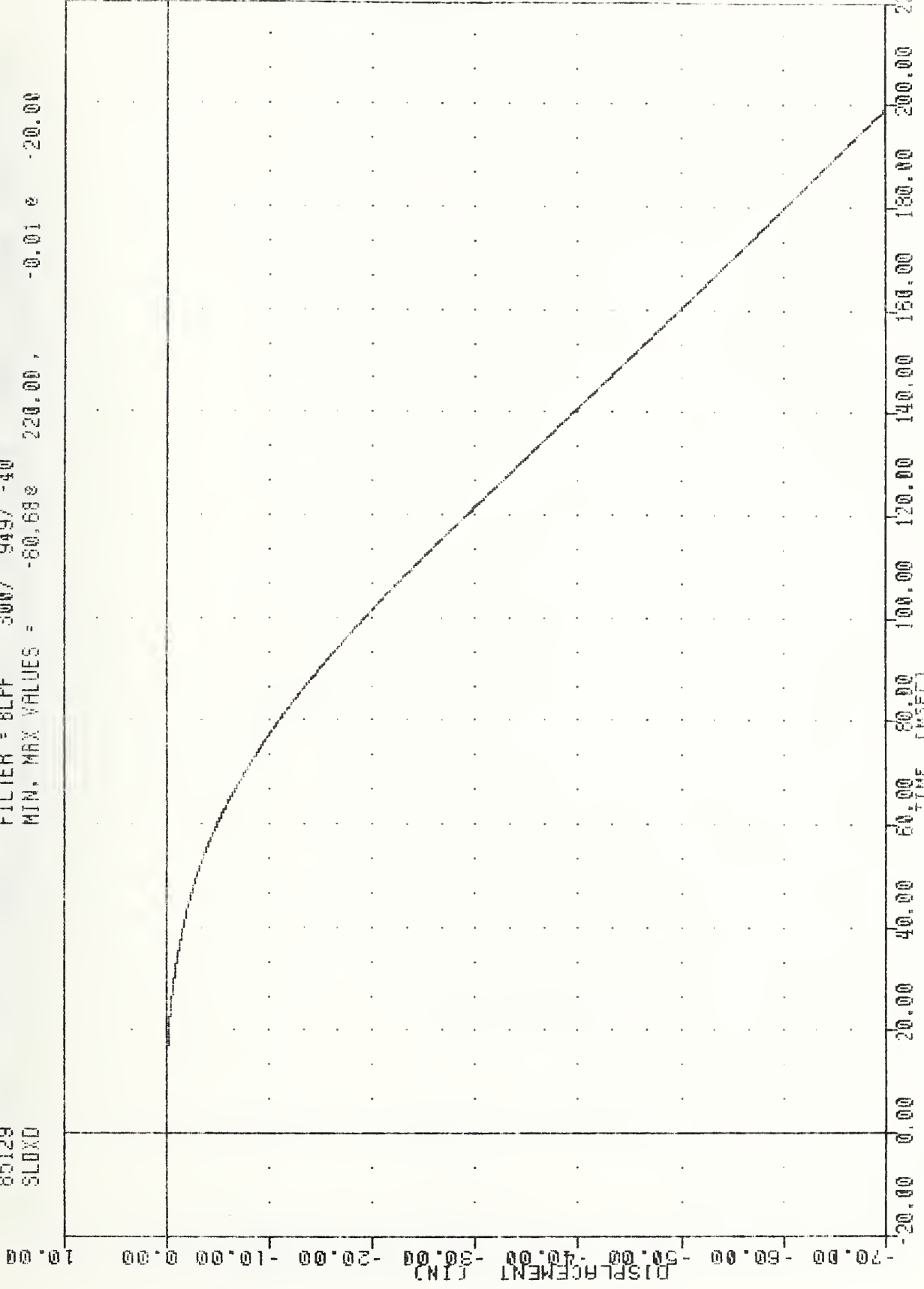
RUN DATE: 4-19-84 10:11:34

FILTER = BLFF 300V 3497 -40
 MIN. MAX VALUES = -43.44e 126.75, -0.01 e' -15.50



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 SLED VELOCITY (MPH)

VRTC , RD384-4-26 PLOT DATE 10-MAY-85 12:11:58
 BREED AIRBAG SLED PROGRAM
 85129 FILTER = BLFF 300/ 949/ -40
 SLOXD MIN. MAX VALUES = -80.68e 220.00 , -0.01 e -20.00

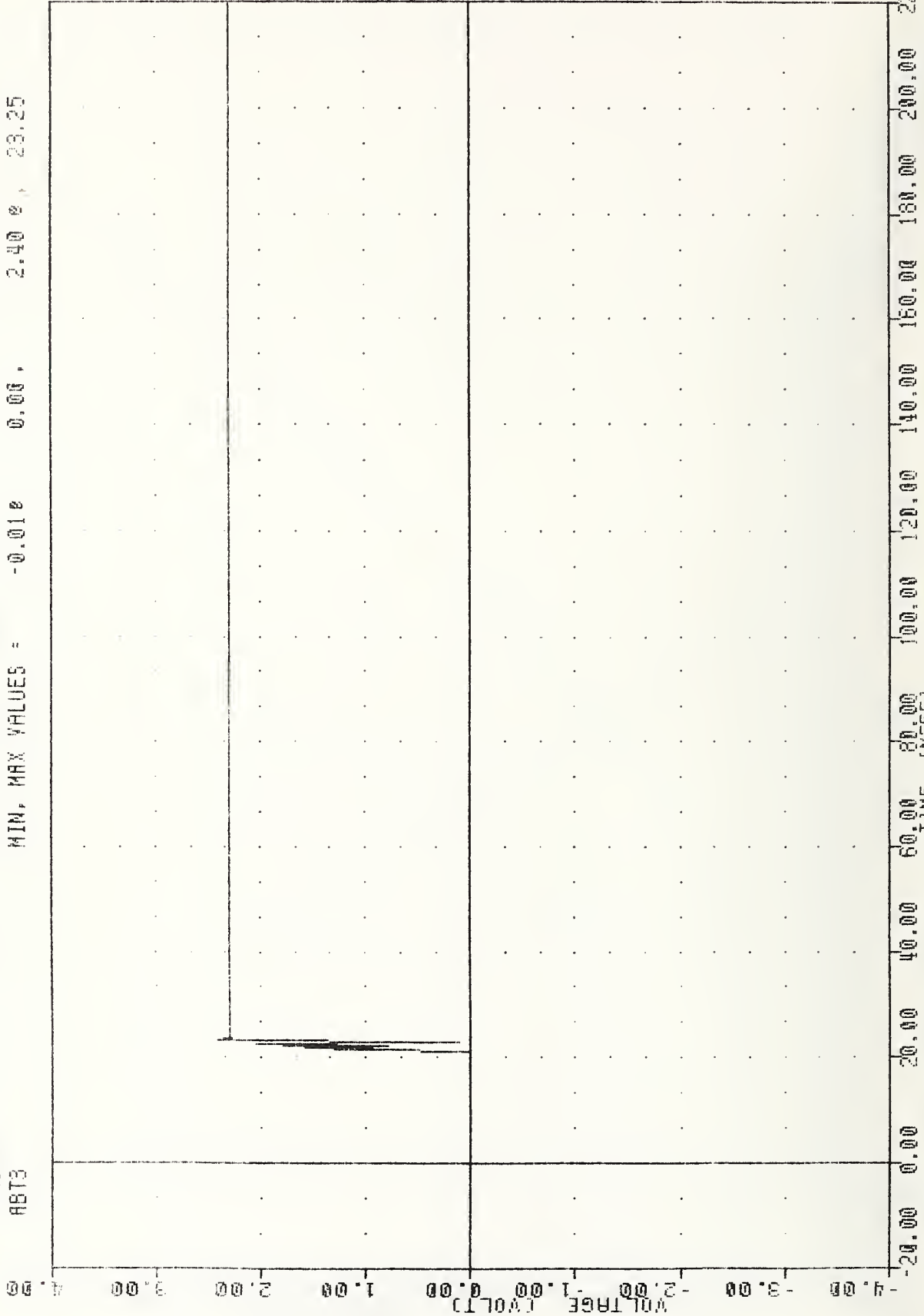


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELETED USING SLOXD

VBTC
BREED AIRBAG SLED PROGRAM
05129
ABT3

PLOT DATE 10-MAY-85 12:10:22

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -0.01e 0.00, 2.40 e, 23.25



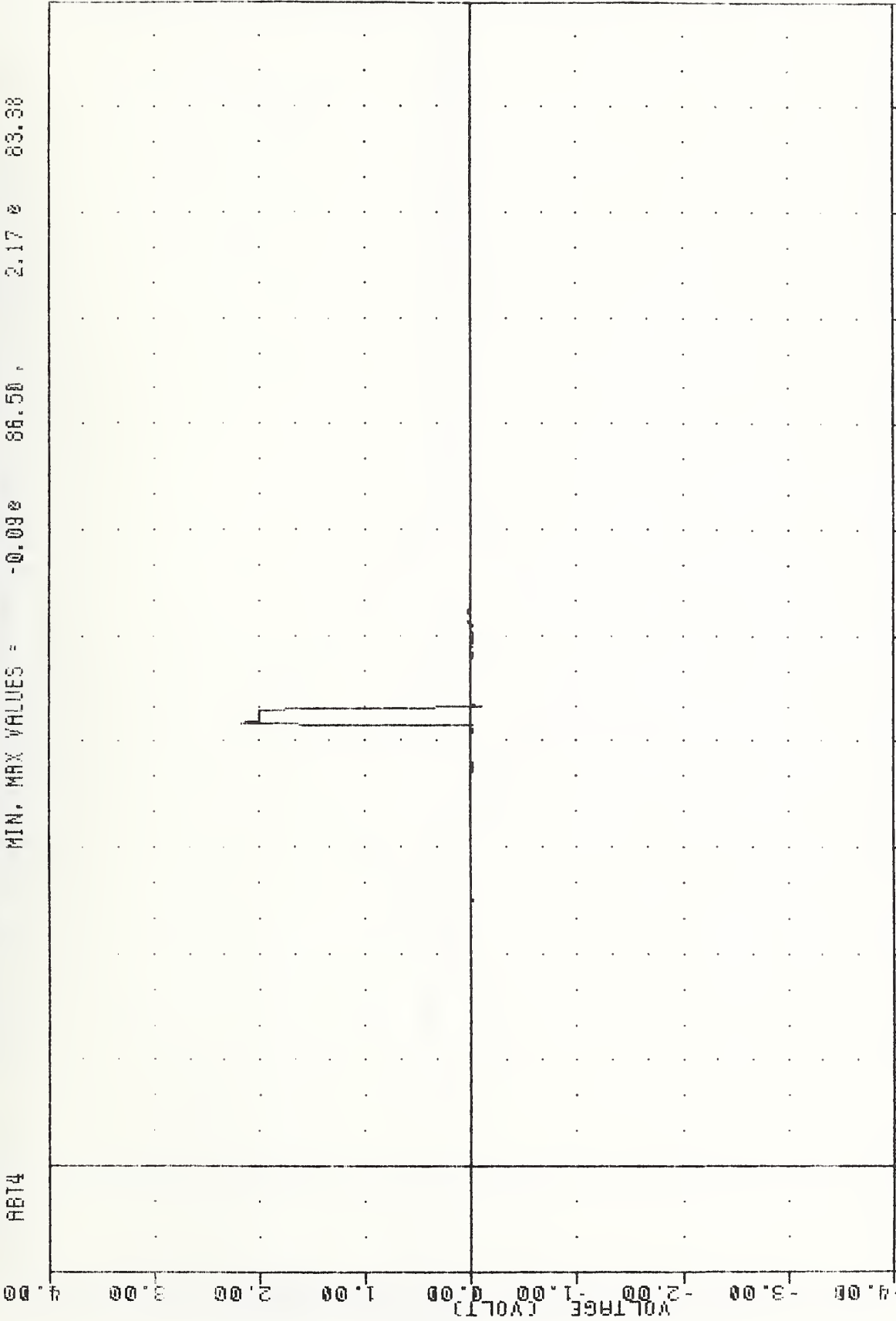
CHEVROLET IMPALA SLED TEST : 40 MPH - 50TH PERCENTILE DUMMY
BREED B-FILTER SENSOR

VRTC . PD384-4-28
BREED AIRBAG SLED PROGRAM
85129
RBT4

PLOT DATE 10-MAY-85 12:10:22

FILTER = ALPF 1650/ 5214/ -40

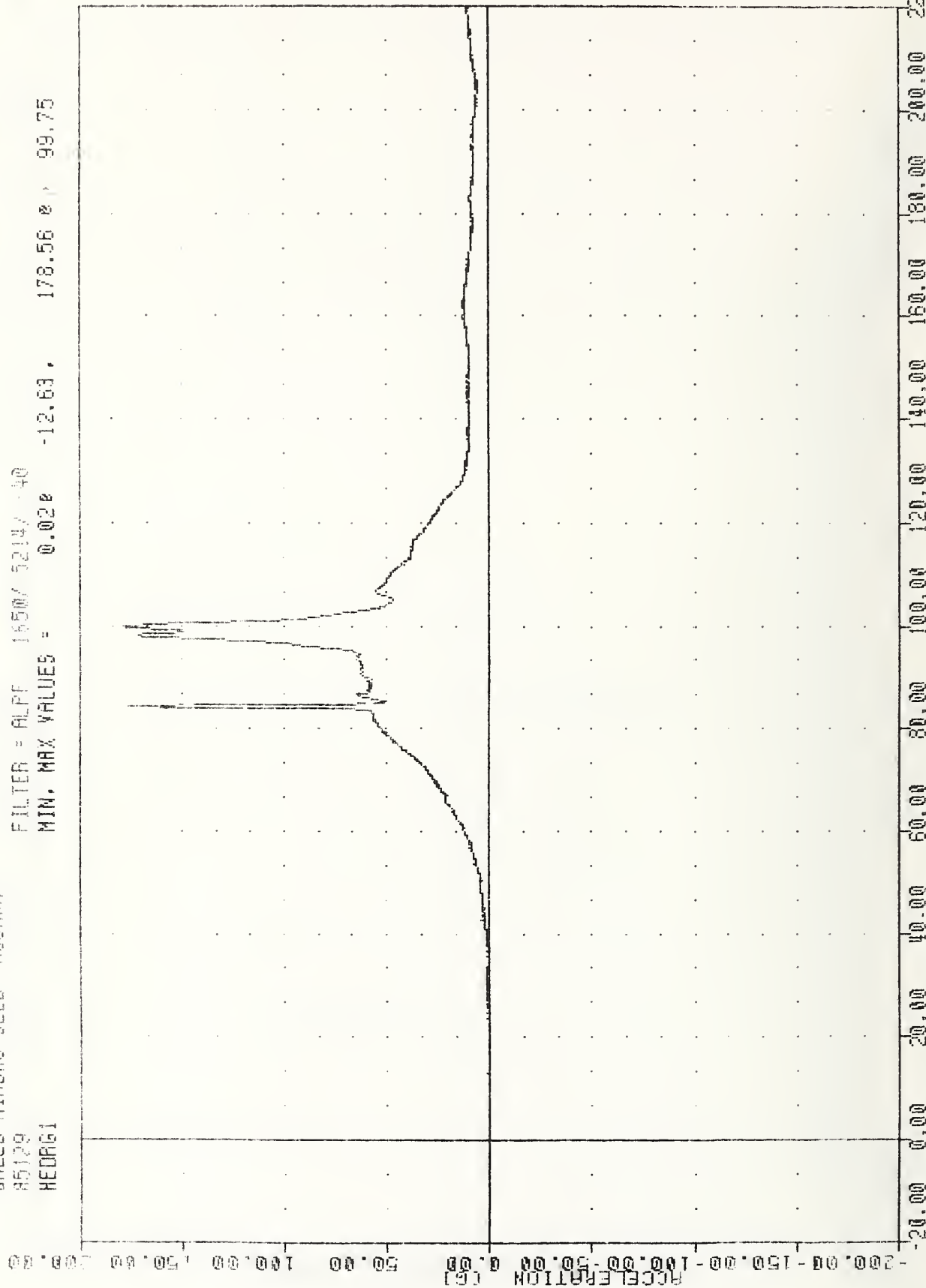
MIN. MAX VALUES = -0.03e 86.50 , 2.17 e 63.38



220.00 200.00 180.00 160.00 140.00 120.00 100.00 80.00 60.00 40.00 20.00 0.00
-4.00 -3.00 -2.00 -1.00 0.00 1.00 2.00 3.00 4.00
TIME (MSEC)
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

VRTC
BRED AIRBAG SLED PROGRAM
85129
HEDRG1

FILTER = ALPF 1650/ 5214/ 40
MIN. MAX VALUES = 0.020 -12.63, 178.56 99.75



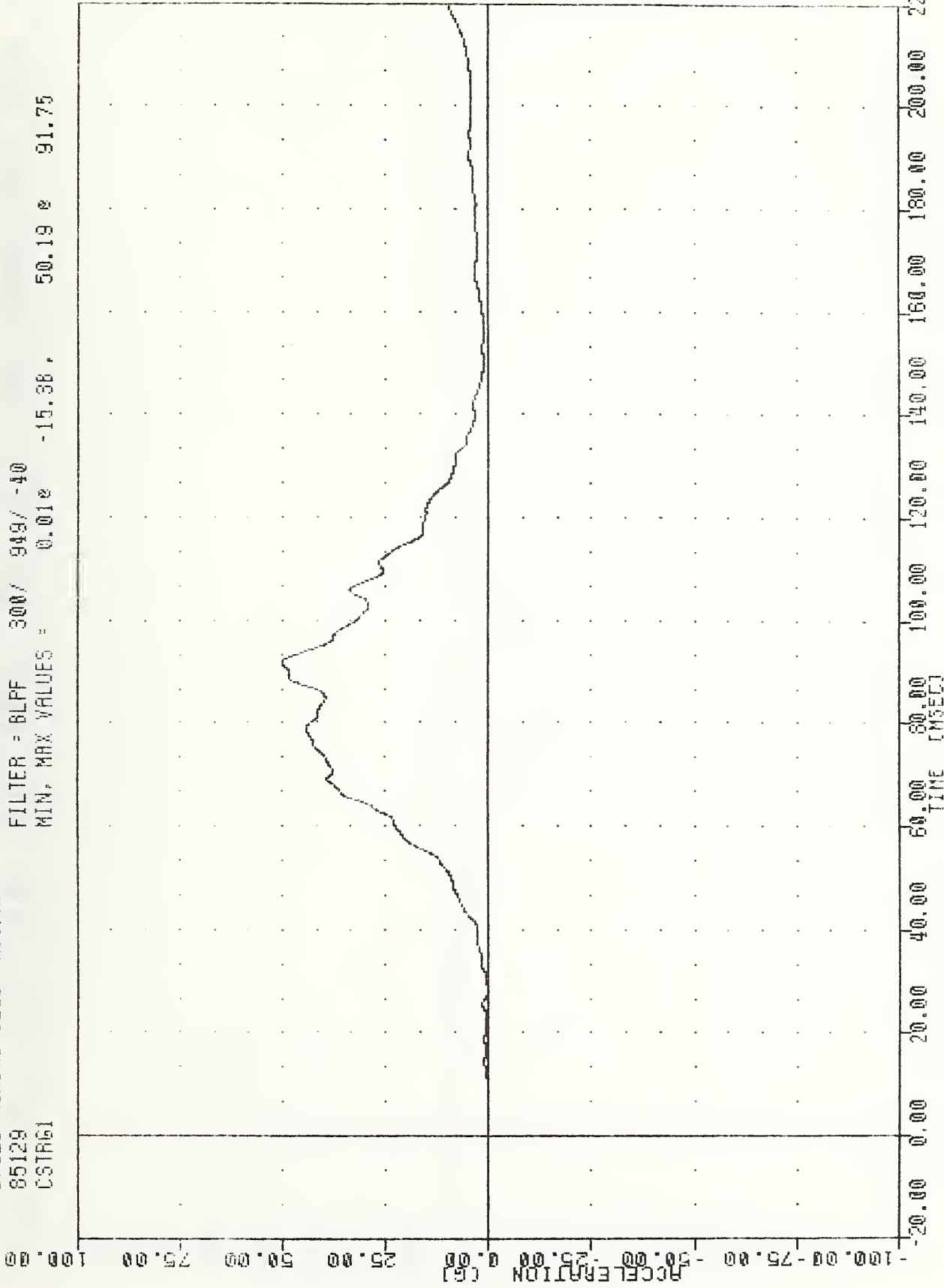
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULT

VRIC 80384-4-28
BRAED AIRBAG SLED PROGRAM
85129
CSTR61

PLOT DATE 18-MAY-85 12:12:32

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.01e -15.36, 50.19 e 91.75

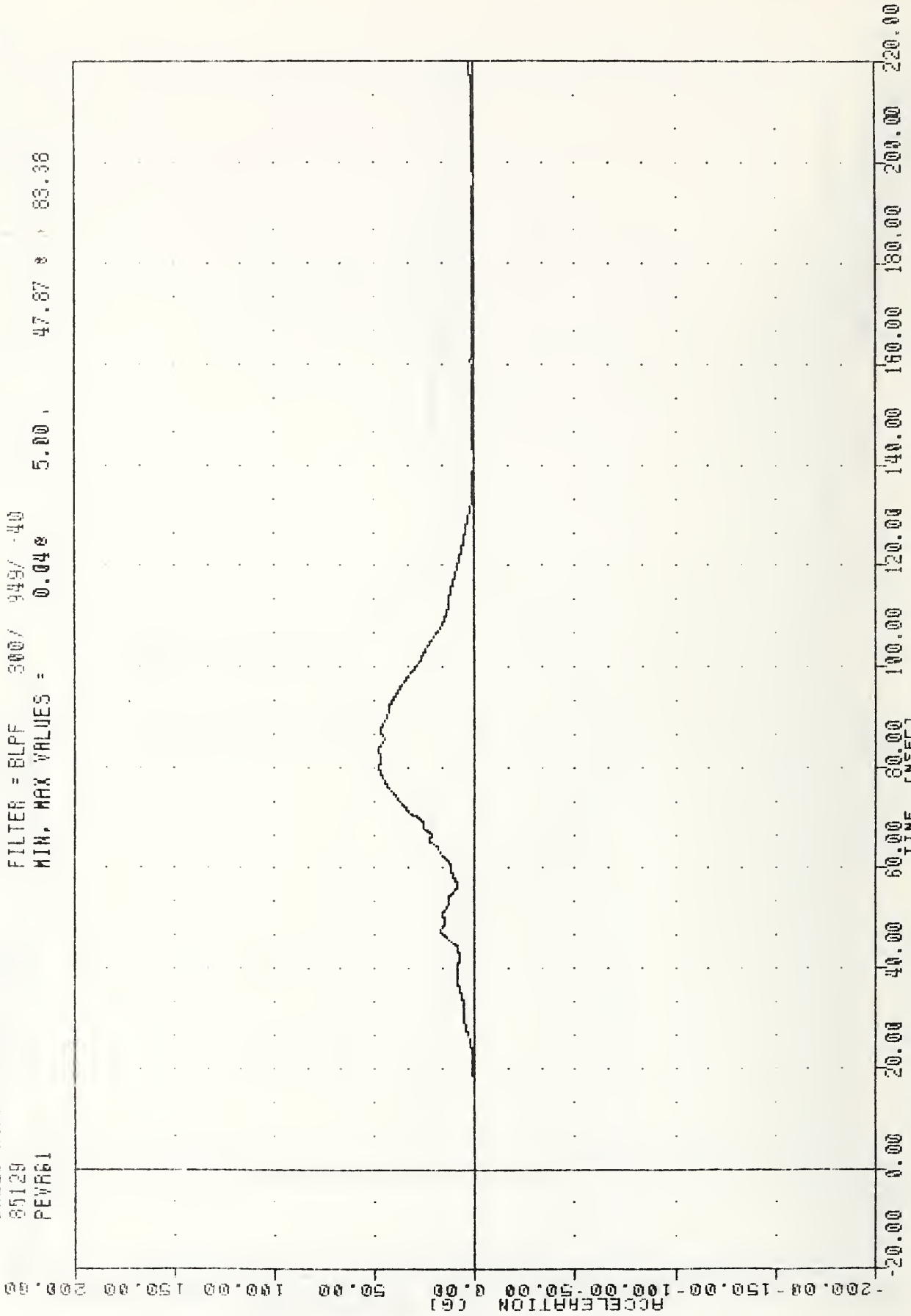


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

WATC 20324-4-26
BREED AIRBAG SLED PROGRAM
85129
PEVR61

PLOT DATE 10-MAR-85 12:12:53

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = 0.048 5.00 , 47.87 * 83.38



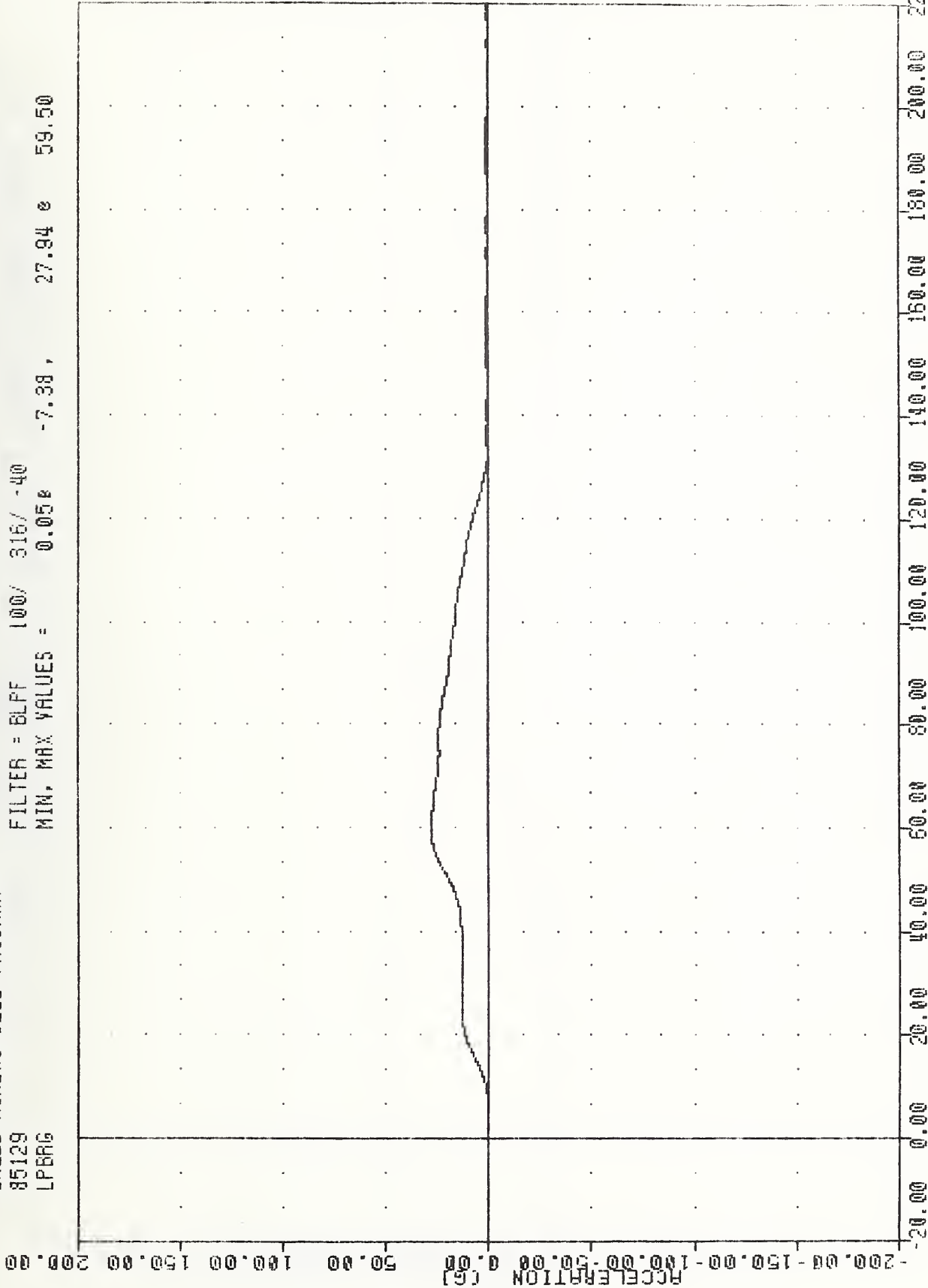
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC , RD384-4-26
BREED AIRBAG SLED PROGRAM
85129
LPBAG

PLOT DATE 10-MAY-85 12:12:52

FILTER = BLFF 100/ 315/ -40
MIN. MAX VALUES = 0.05e -7.38 ,

27.84 e 59.50



667

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT R RESULT AMT

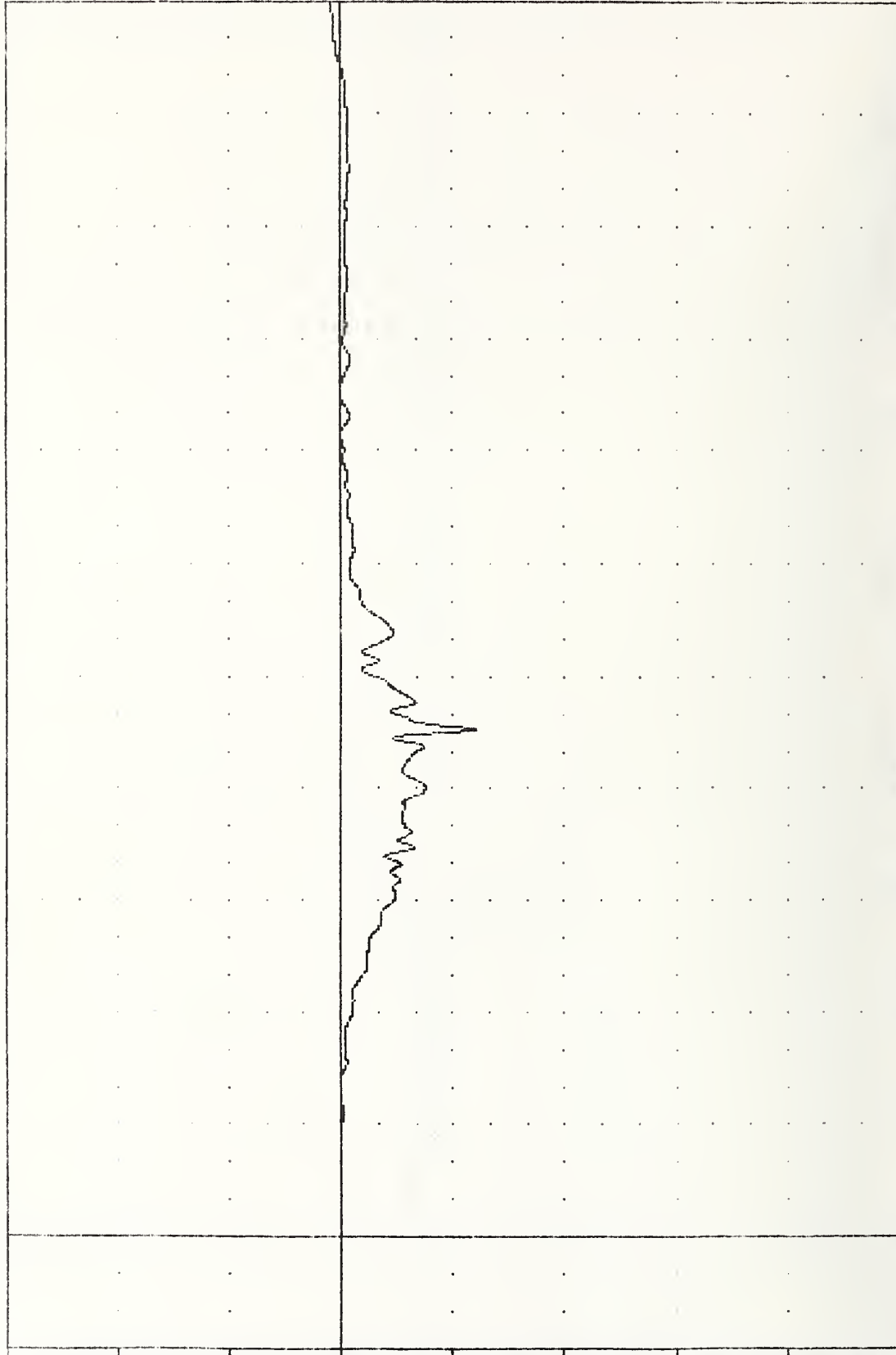
VRIC , RD384-4-05
BREED AIRBAG SLED PROGRAM
85129
USTXG1

FLOW RATE 10 MS-85 12:01:22

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -95.95e 90.63, 7.93 e/ 220.00

ACCELERATION (G)



899

-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

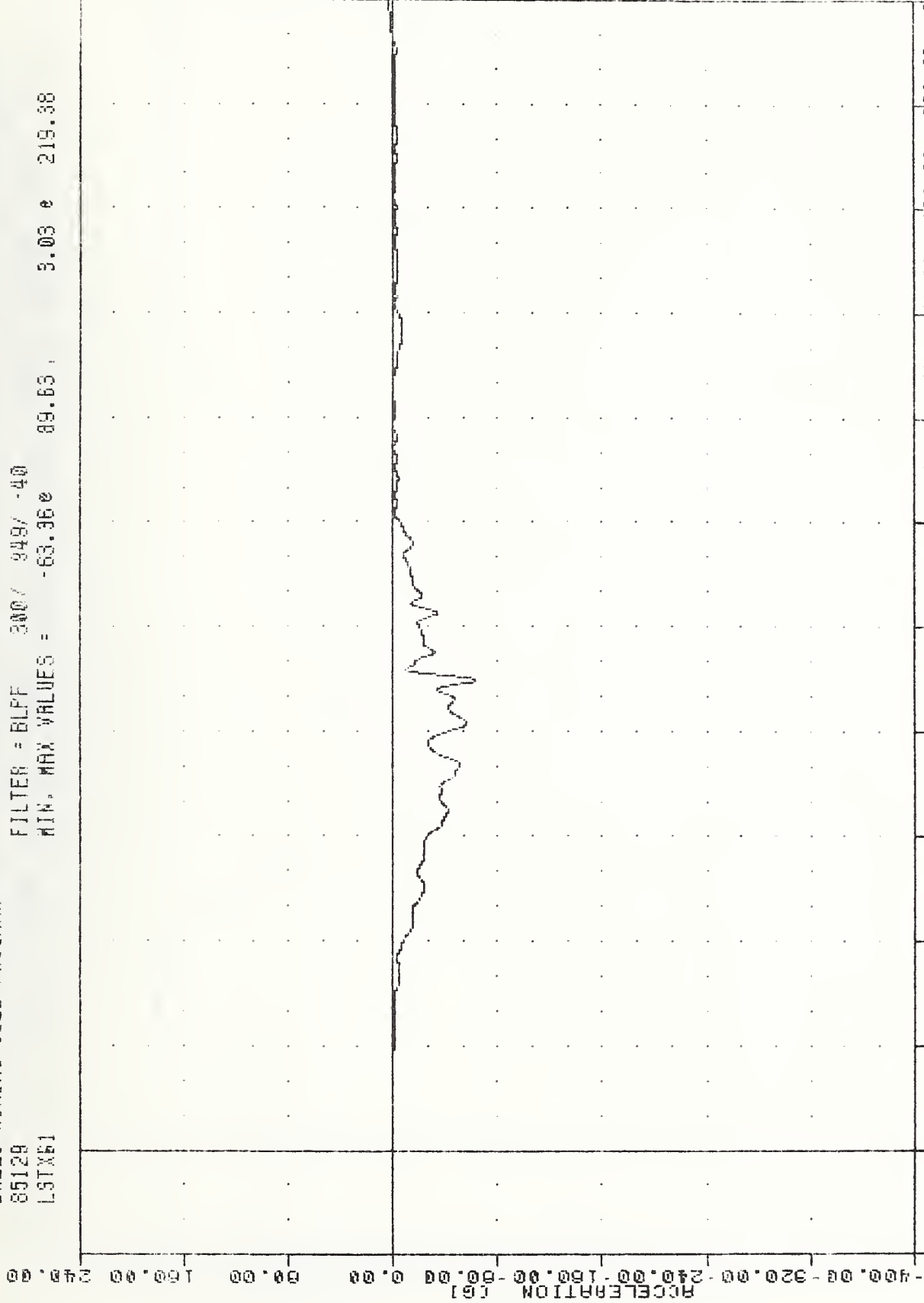
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

WATC . F0384-4-28
BREQ AIRBAG SLED PROGRAM
85128
LSTX51

PLOT DATE 10-MAY-85 12:10:22

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -63.96e 89.63 , 5.03 e 219.38



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

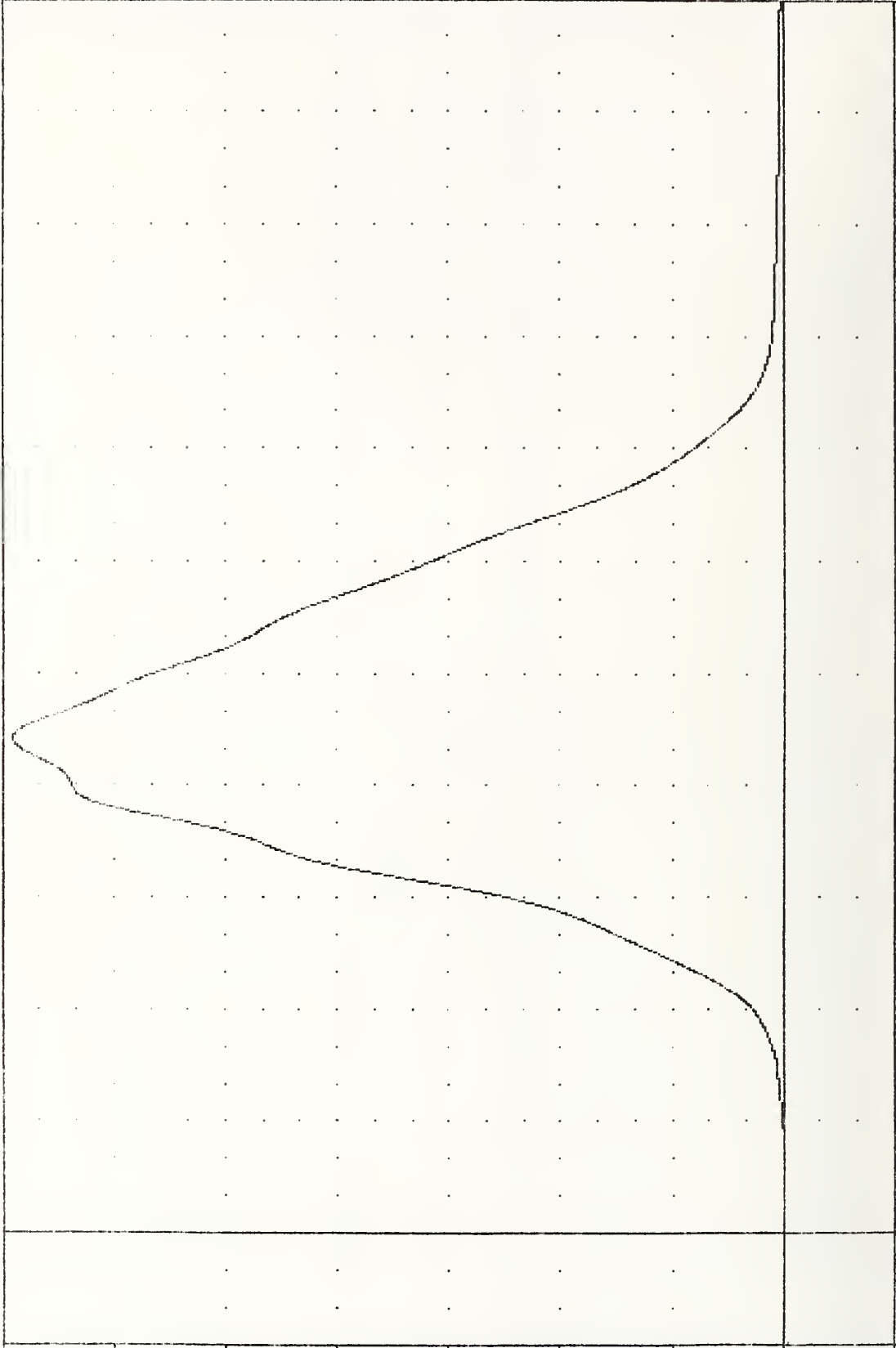
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

VRTC
BREED AIRBAG SLEEVES
85129
SHBF1

PLU1 0675 16-MAY-85 12:10:22

FILTER = BLPF 100/ 315/ -40
MIN, MAX VALUES = -0.48e -17.75, 2761.99 e 68.25

FORCE (LB) (X10³)



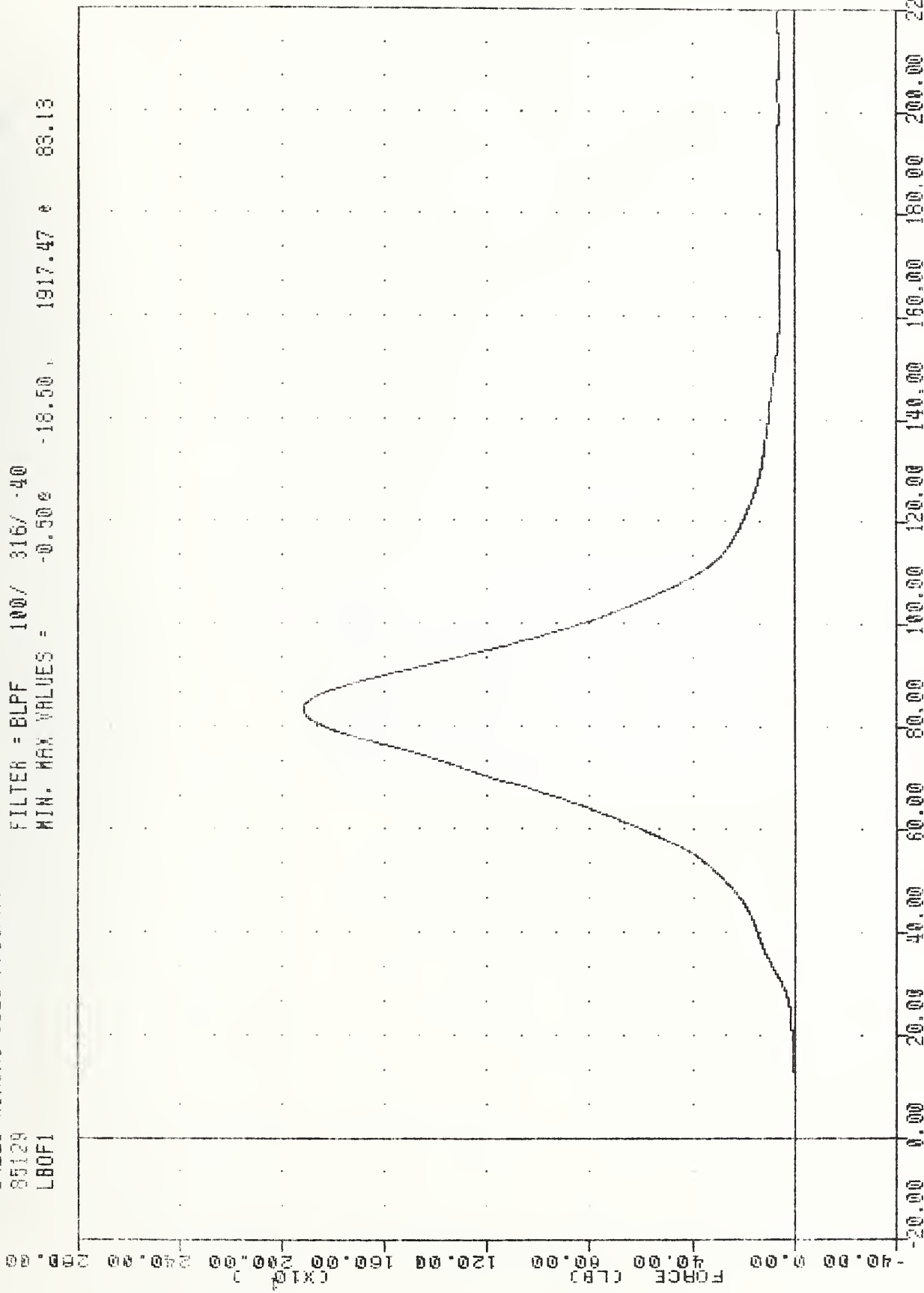
670

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

VRTC , RD104-4-20
BREED AIRBAG SLED PROGRAM
85129
LBOFI

PLOT DATE 10-MAY-85 12:10:22

FILTER = BLPF 100/ 316/ -40
MIN. MAX. VALUES = -0.50e 1917.47 e 83.13



CHEVROLET IMPALP SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LAP BELT FORCE LBS



TL 242 .E875

ESSEB.

Breed air bag
program

Form DOT F 17
FORMERLY FORM D

DOT LIBRARY



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