



U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**



DOT HS 807 428

August 1985

Final Report

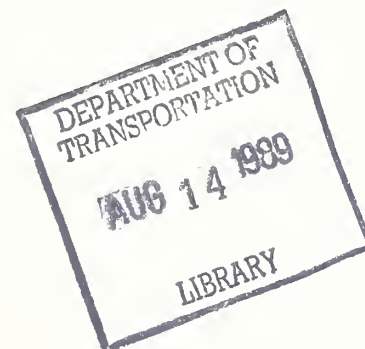
Breed Air Bag Sled Testing Program Volume III

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
v.3
c.2

Technical Report Documentation Page

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9. Performing Organization Name and Address National Highway Traffic Safety Administration Vehicle Research & Test Center P.O. Box 37 East Liberty, Ohio 43319		10. Work Unit No. (TRAIS)	
		11. Contract or Grant No.	
12. Sponsoring Agency Name and Address National Highway Traffic Safety Administration 400 Seventh Street, S.W. Washington, D.C. 20590		13. Type of Report and Period Covered FINAL 3/85 - 8/85	
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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 III

Data Charts

29 - 42

TRC436P. RAD; 3

VRTC

B5130

RD384-4-29 BREED AIRBAG SLED PROGRAM

35.00 mph

16-MAY-85 16:09

1	EVENT	Min value		Max value		Data Units		Filter	
2	SLDXV	0.059 @	93.625	1.633 @	-16.500 msec	volt		ALPF	1650/ 5214/ -40
3	SLDXG	-38.290 @	125.250	0.158 @	-6.625 msec	mph		ALPF	100/ 316/ -40
4	HEDXG1	-25.822 @	56.875	1.145 @	129.250 msec	g		BLPF	100/ 316/ -40
5	HEDYV1	-133.368 @	96.000	12.592 @	99.750 msec	g		ALPF	1650/ 5214/ -40
6	HEDYV1	-6.362 @	112.000	4.226 @	128.625 msec	g		ALPF	1650/ 5214/ -40
7	HEDZG1	-4.132 @	97.125	51.770 @	130.750 msec	g		ALPF	1650/ 5214/ -40
8	CSTYV1	-42.777 @	85.625	12.929 @	94.000 msec	g		BLPF	300/ 949/ -40
9	CSTYV1	-7.244 @	87.625	14.398 @	97.625 msec	g		BLPF	300/ 949/ -40
10	PEVYV1	-10.844 @	79.125	18.360 @	129.875 msec	g		BLPF	300/ 949/ -40
11	PEVYV1	-38.800 @	89.250	3.803 @	128.250 msec	g		BLPF	300/ 949/ -40
12	PEVYV1	-37.982 @	88.375	16.674 @	94.250 msec	g		BLPF	300/ 949/ -40
13	LFMF1	-390.525 @	41.250	4.442 @	147.875 msec	g		BLPF	300/ 949/ -40
14	RFMF1	-274.635 @	48.125	481.805 @	89.000 msec	lb		BLPF	1000/ 3162/ -40
15	LPBXG	-25.571 @	60.000	532.232 @	87.750 msec	lb		BLPF	1000/ 3162/ -40
16	LPBYG	-5.751 @	96.000	1.151 @	131.125 msec	g		BLPF	100/ 316/ -40
17	LPBZG	-3.281 @	92.375	3.815 @	96.500 msec	g		BLPF	100/ 316/ -40
18	SHBF1	-0.106 @	-14.625	3005.188 @	85.750 msec	lb		BLPF	100/ 316/ -40
19	LBDF1	-7.081 @	170.750	2190.994 @	89.250 msec	lb		BLPF	100/ 316/ -40
20	ABT3	-0.003 @	-7.500	2.374 @	24.875 msec	volt		ALPF	1650/ 5214/ -40
21	ABT4	-3.337 @	146.875	3.324 @	146.625 msec	volt		ALPF	1650/ 5214/ -40

TRC436IP. RAD; 1

VRTC

B5130

RD384-4-29 BREED AIRBAG SLED PROGRAM

35.00 mph

13-MAY-85 09:13

1	HEDXV1	Min value		Max value		Data Units		Filter	
2	HEDXD1	-36.265 @	220.000	0.066 @	58.125 msec	mph		BLPF	300/ 949/ -40
3	CSTXV1	-43.132 @	220.000	-0.080 @	-20.000 msec	in		BLPF	300/ 949/ -40
4	CSTXD1	-42.722 @	182.875	-0.369 @	-10.125 msec	mph		BLPF	300/ 949/ -40
5	PEVXV1	-61.772 @	220.000	-0.191 @	-20.000 msec	in		BLPF	300/ 949/ -40
6	PEVXV1	-32.050 @	124.250	-0.053 @	-2.125 msec	mph		BLPF	300/ 949/ -40
7	PEVXD1	-52.779 @	220.000	-0.037 @	-20.000 msec	in		BLPF	300/ 949/ -40
8	SLDXV1	-38.076 @	121.500	0.020 @	-17.250 msec	mph		BLPF	300/ 949/ -40
9	SLDXV1	-71.286 @	220.000	0.013 @	-9.250 msec	in		BLPF	300/ 949/ -40
10	LPBXV	-37.407 @	123.875	0.003 @	-18.625 msec	mph		BLPF	300/ 949/ -40
11	LPBYV	-49.107 @	220.000	0.000 @	-14.375 msec	in		BLPF	300/ 949/ -40

TRC436RP. RAD; 1

VRTC

B5130

RD384-4-29 BREED AIRBAG SLED PROGRAM

35.00 mph

13-MAY-85 09:13

1	HEDRG1	Min value		Max value		Data Units		Filter	
2	CSTRG1	0.047 @	-14.625	135.394 @	96.000 msec	g		ALPF	1650/ 5214/ -40
3	PEVRG1	0.032 @	0.000	43.150 @	85.625 msec	g		BLPF	300/ 949/ -40
4	LPBRG	0.034 @	11.250	55.320 @	88.750 msec	g		BLPF	300/ 949/ -40
		0.082 @	-3.750	25.597 @	60.000 msec	g		BLPF	100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC436RP.RAD;1
VRTC RD384-4-29 BREED AIRBAG SLED PROGRAM
85130 35.00 mph

* * * HIC computation for HEDRG1 13-MAY-85 09:19
Using time range = 0.000 to 153.000 msec Peak accel = 135.39 @ 96.000
HIC = 389.99 Interval from 80.875 [808] to 138.875 [1272]
HIC = 272.20 Interval from 103.750 [991] to 118.750 [1111]

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

Enter input filespec -> TRC436RP

File TRC436RP -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-29 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC436RP.RAD;1 VRTC RD384-4-29
BREED AIRBAG SLED PROGRAM 35.0 mph 85130 13-MAY-85 09:31:30
Deltax: 0.125

3 MS CLIP PEAK: 42.31718

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

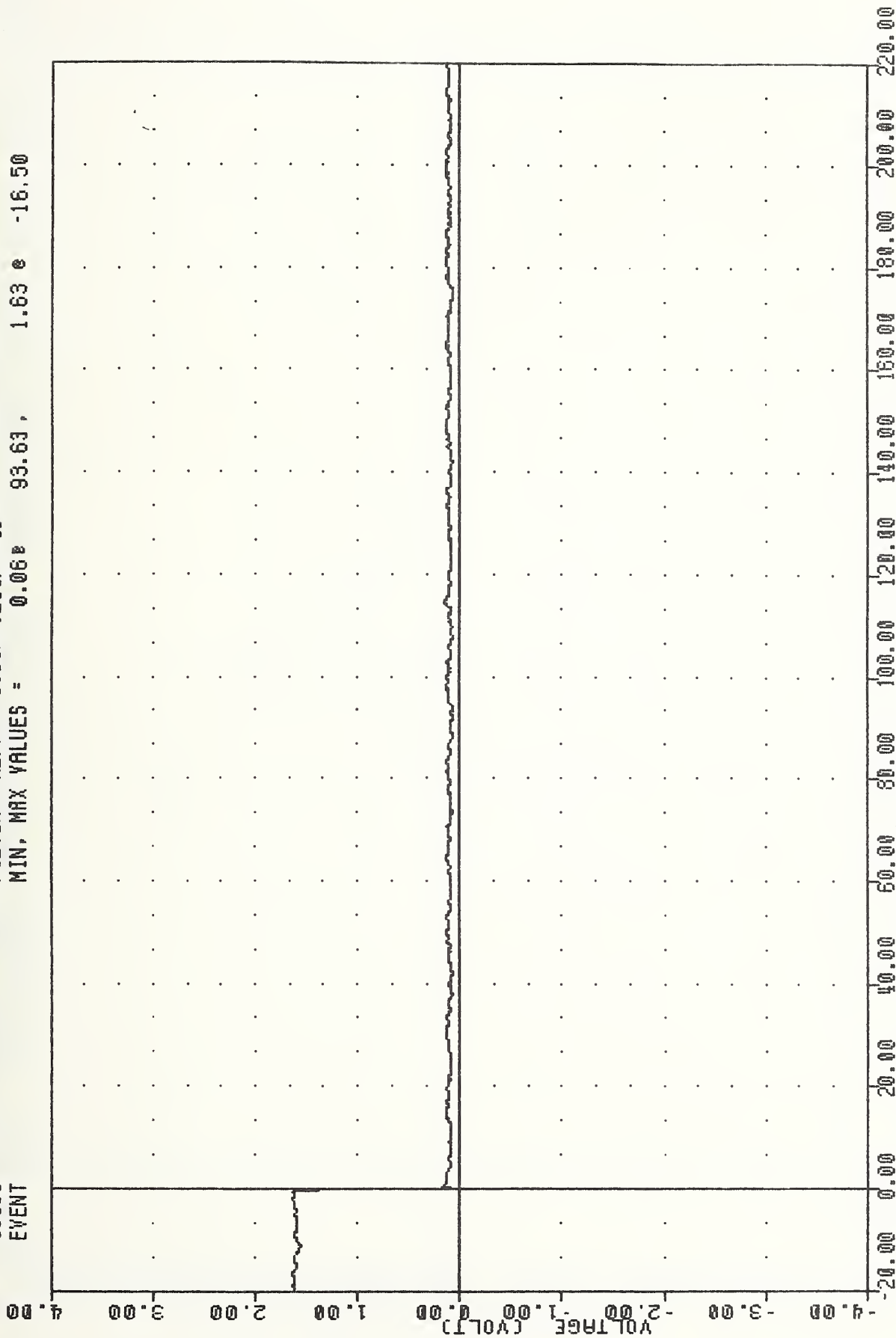
Enter input filespec -> ^Z
\$

VRTC
BREED AIRBAG SLED PROGRAM
85130
EVENT

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.06e 93.63, 1.63 e -16.50



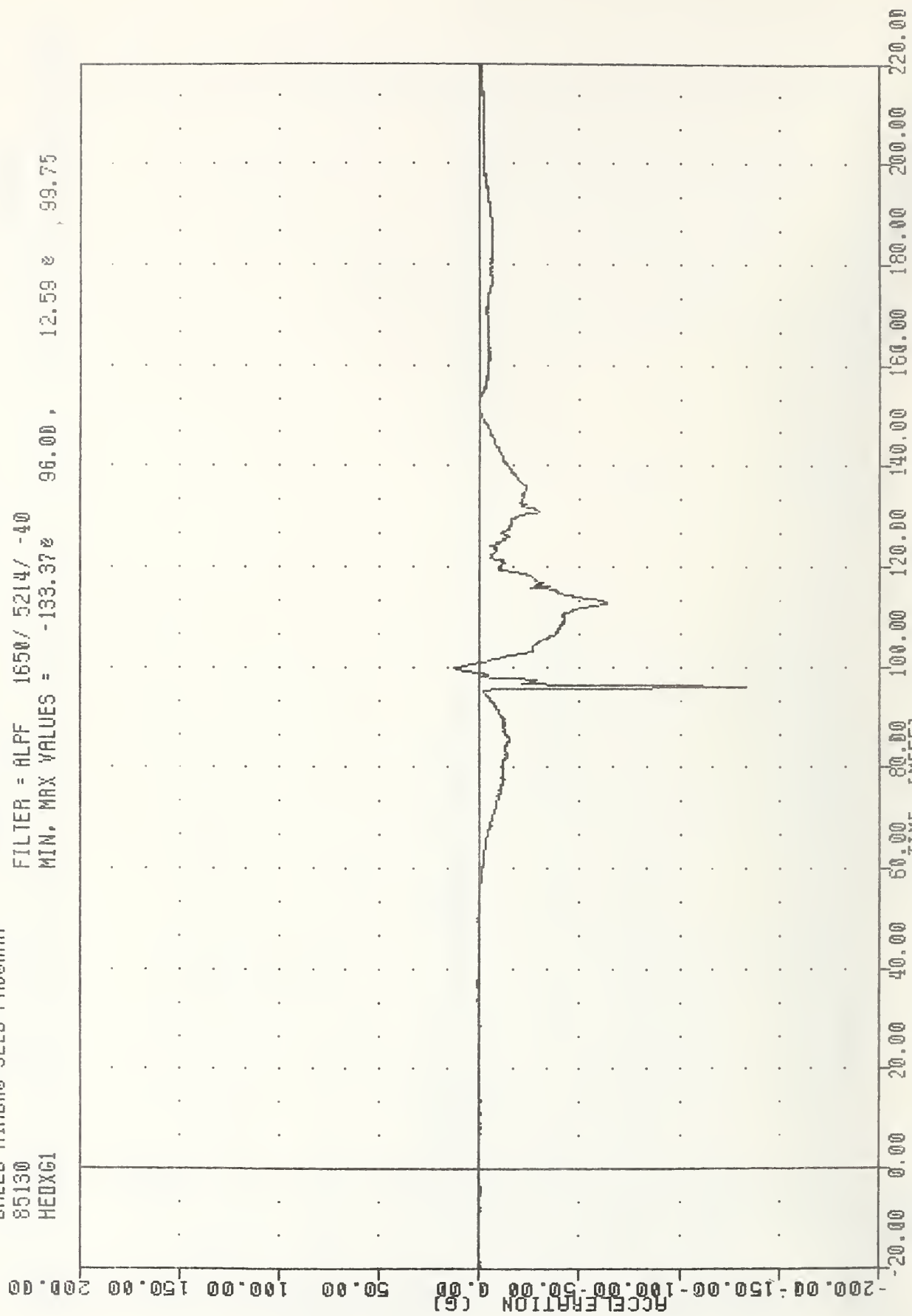
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
EVENT

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 HEDXG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -133.37e 96.00, 12.59 e , 99.75



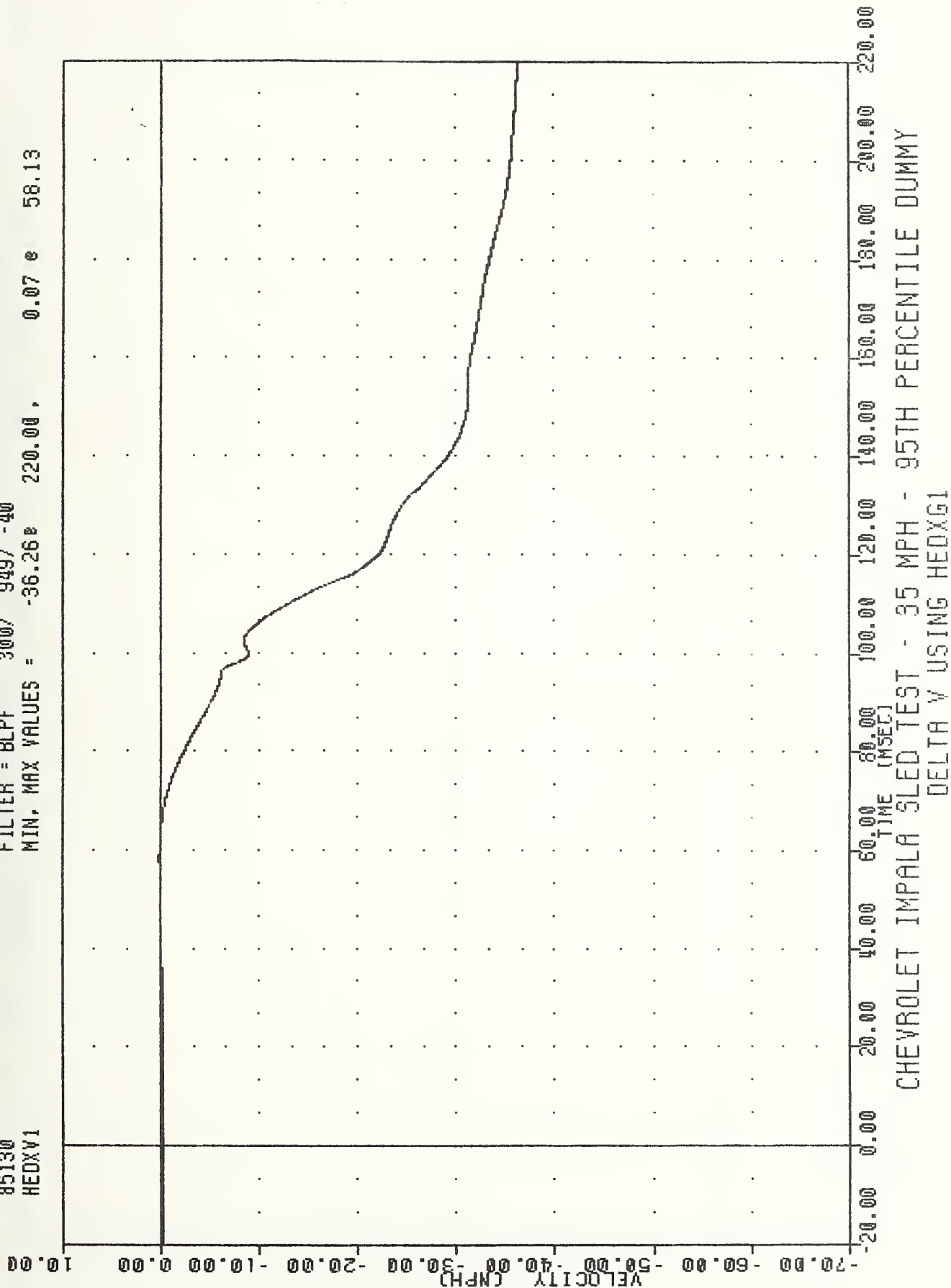
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 HEDXV1

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -36.26 220.00, 0.07 58.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

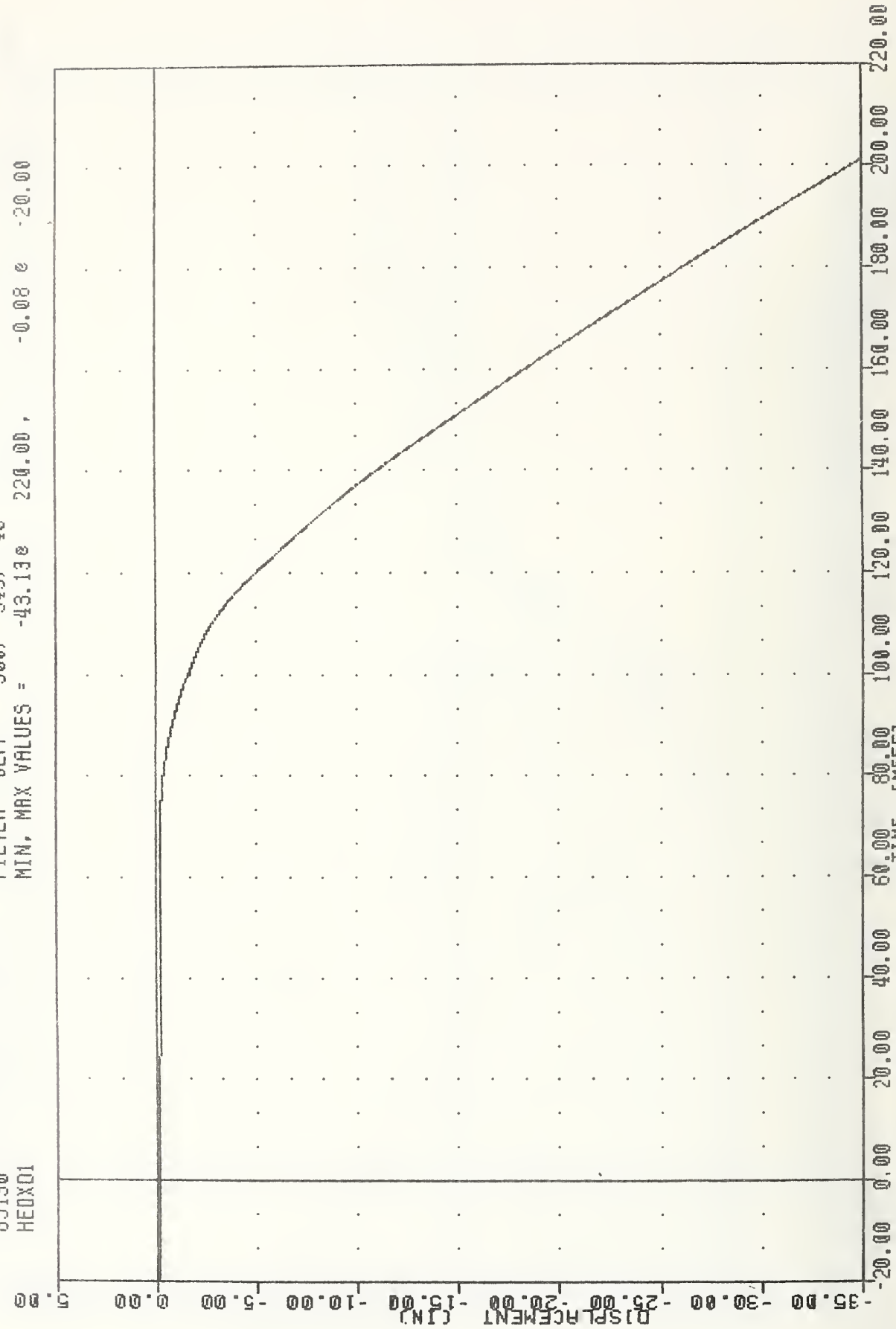
DELTA V USING HEDXG1

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
HEOXD1

PLOT DATE 13-MAY-85 10:10:53

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -43.13e 220.00, -0.08 e -20.00



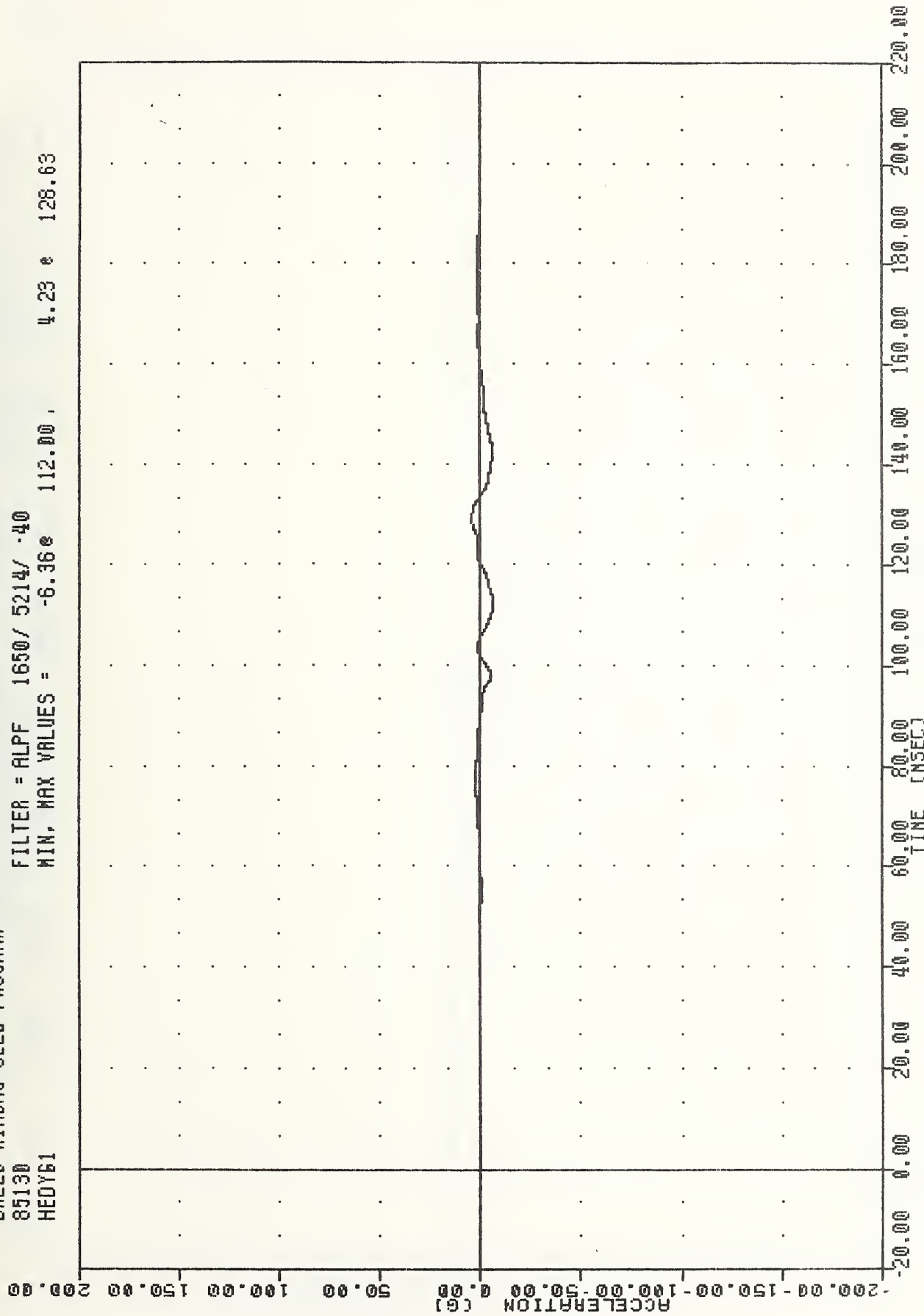
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING HEDXV1

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 HEDY61

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -6.36e 112.00 , 4.23 e 128.63

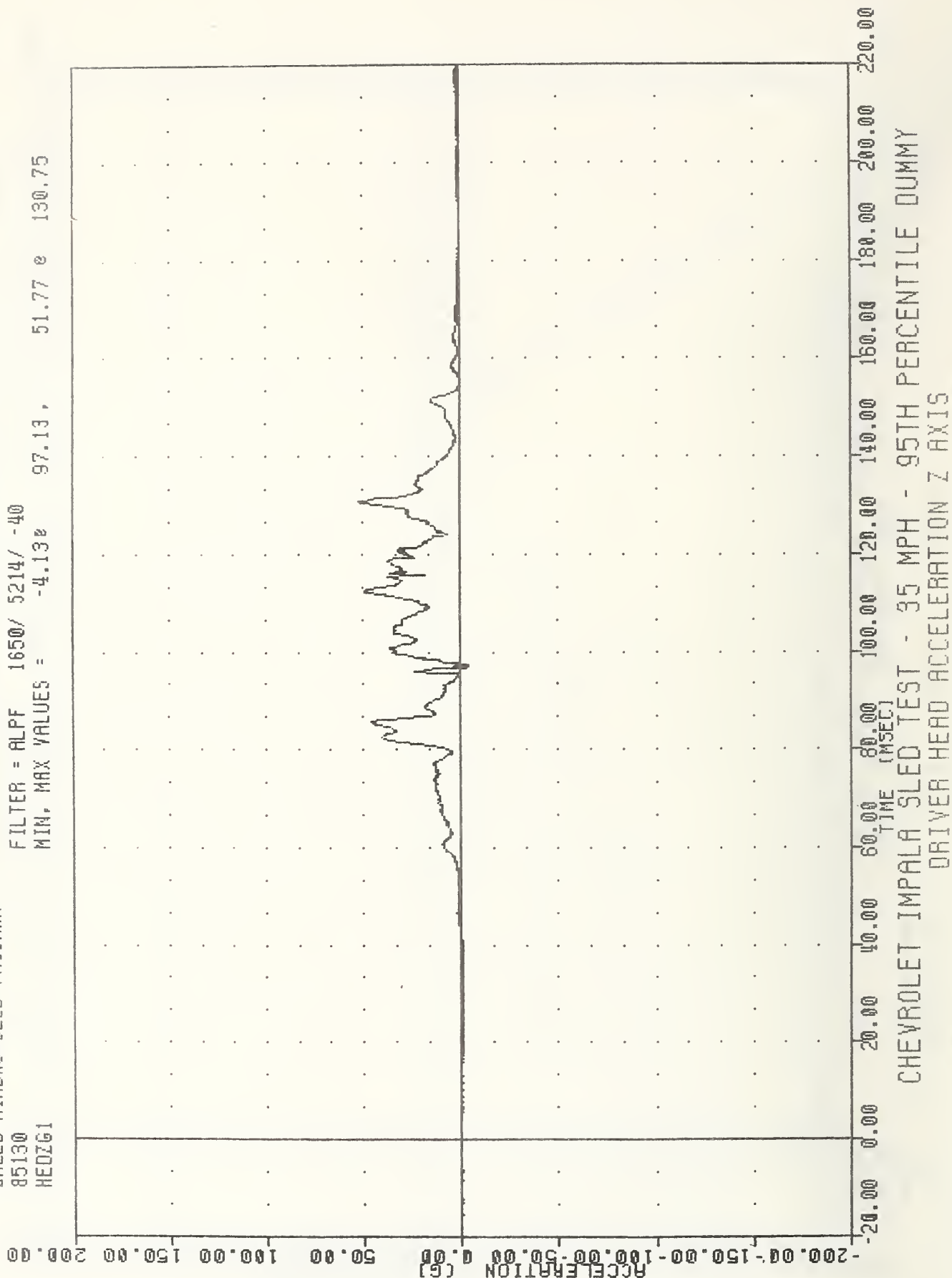


VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
HEADZG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -4.13e 97.13, 51.77 e 130.75



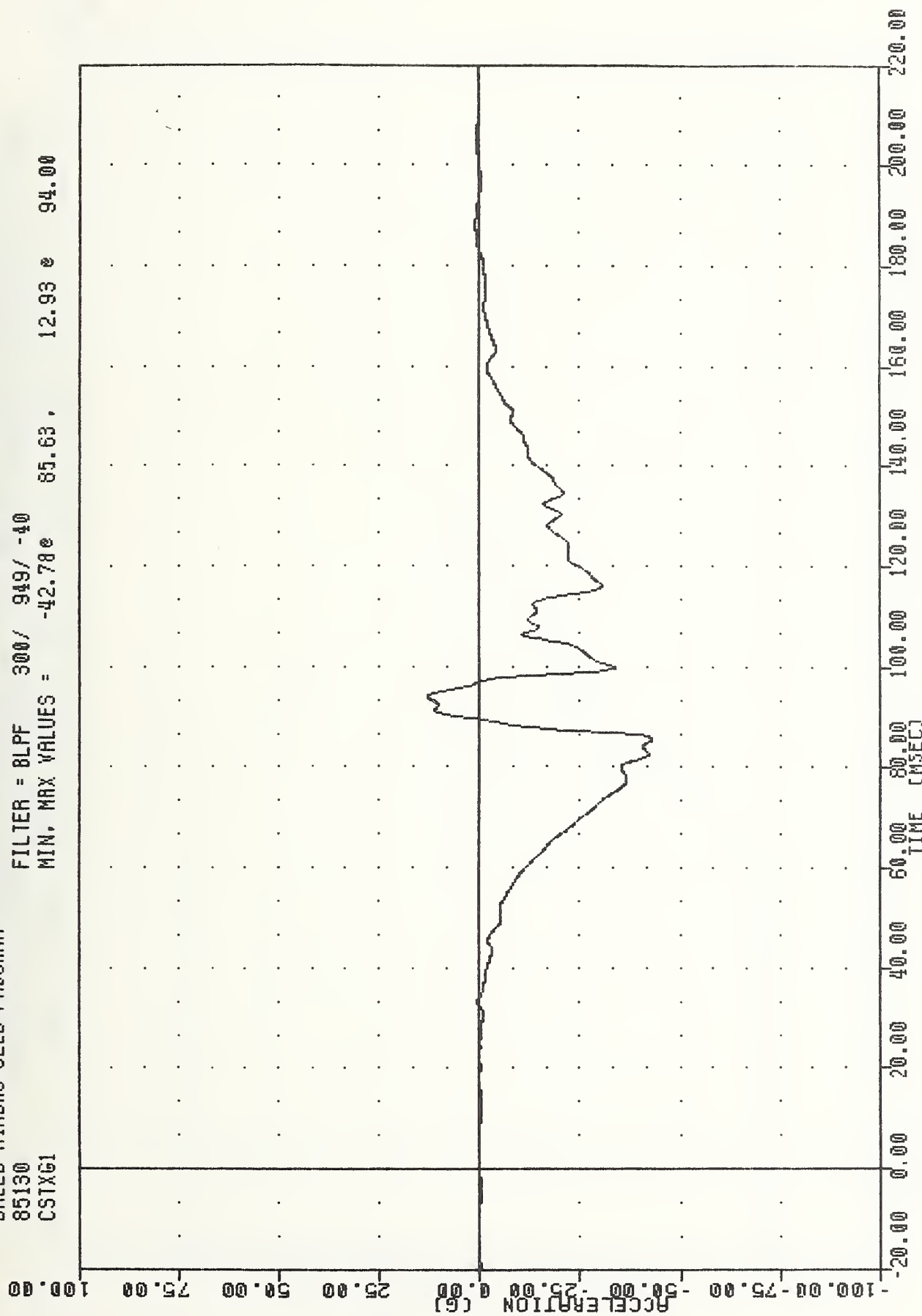
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
CSTXG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -42.78e 85.63, 12.93 e 94.00



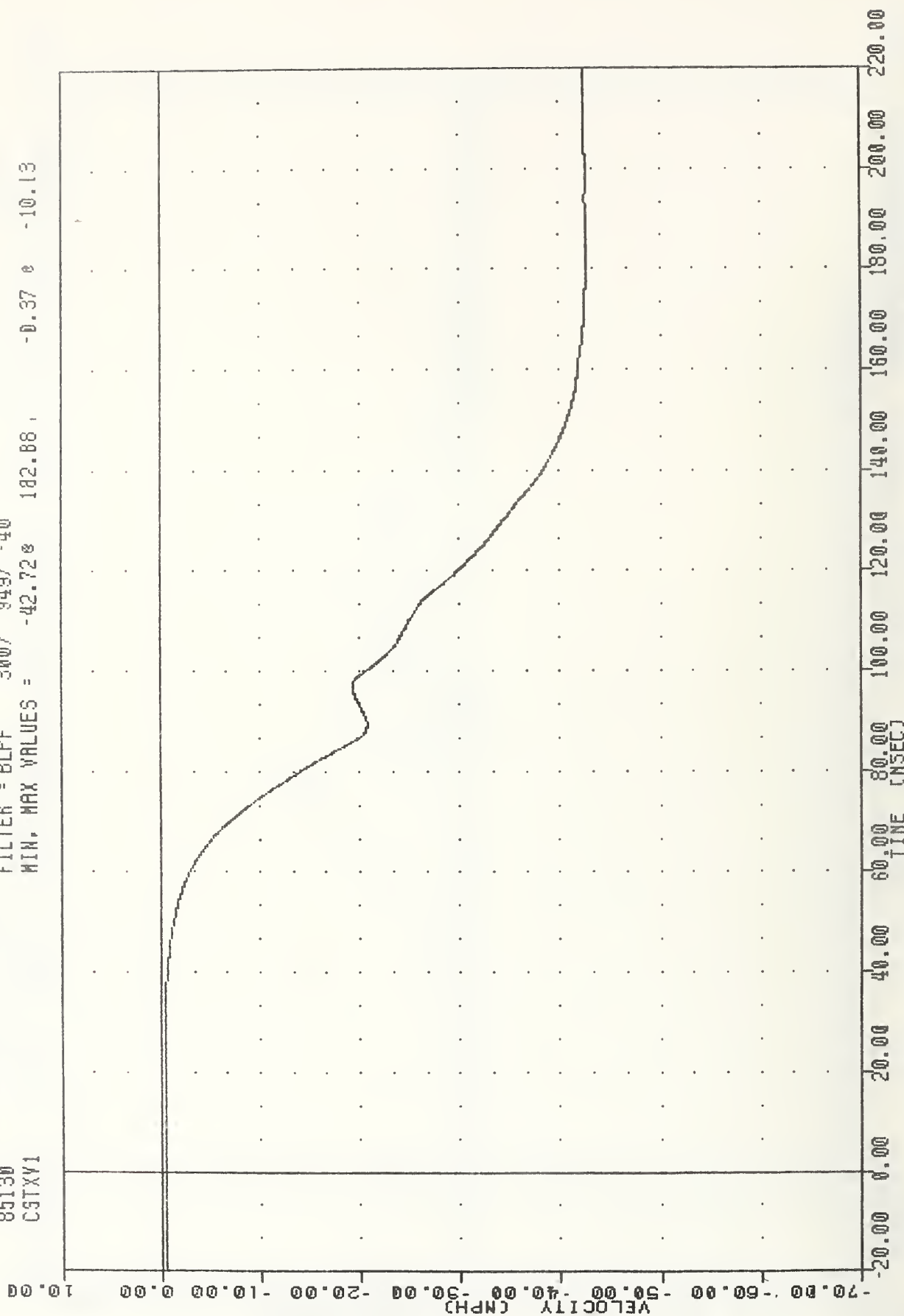
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 CSTXV1

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -42.728 182.88 , -0.37 e -10.13



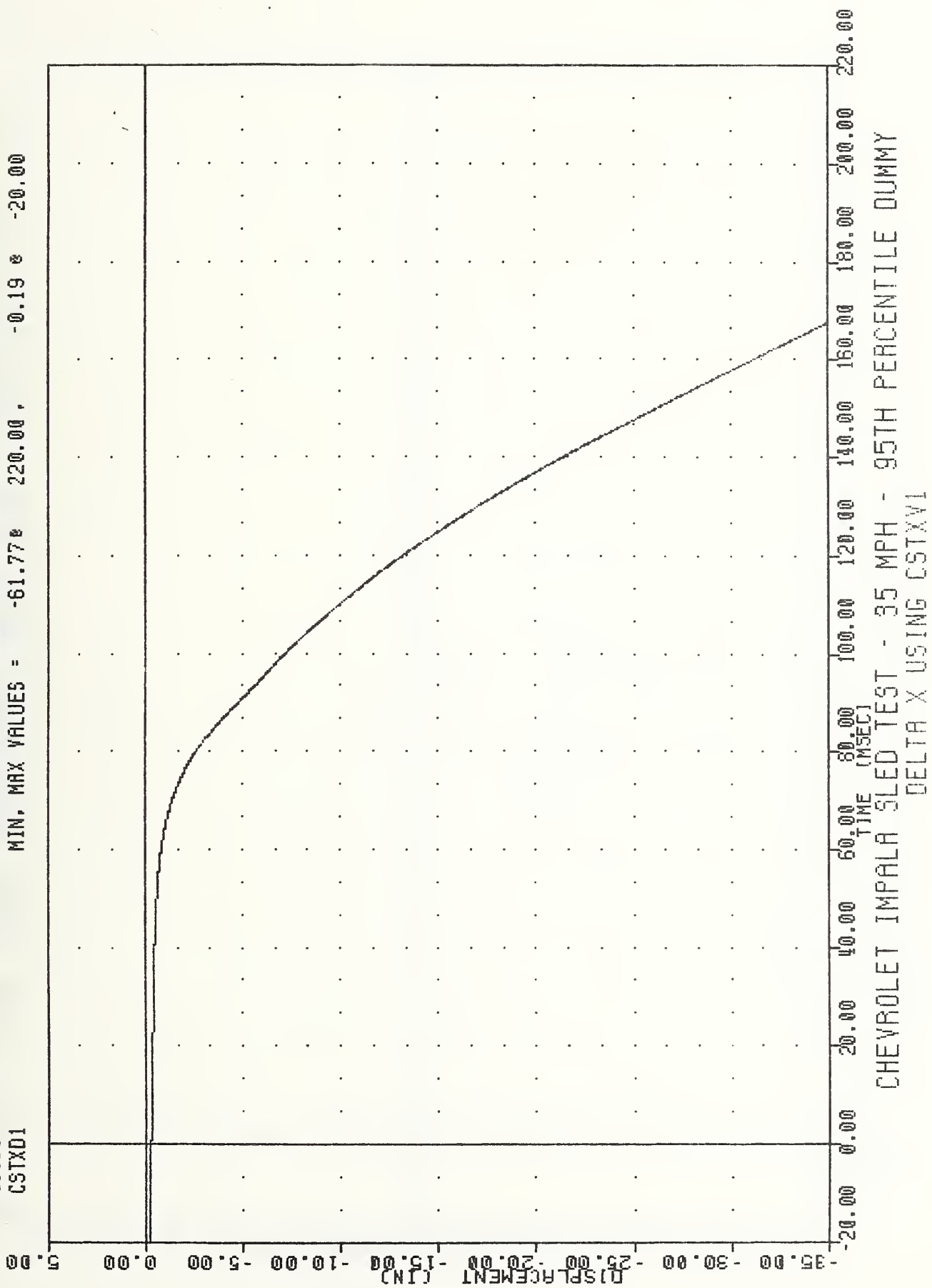
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING CSTXG1

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
CSTXD1

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -61.77e 220.00, -0.19 e -20.00

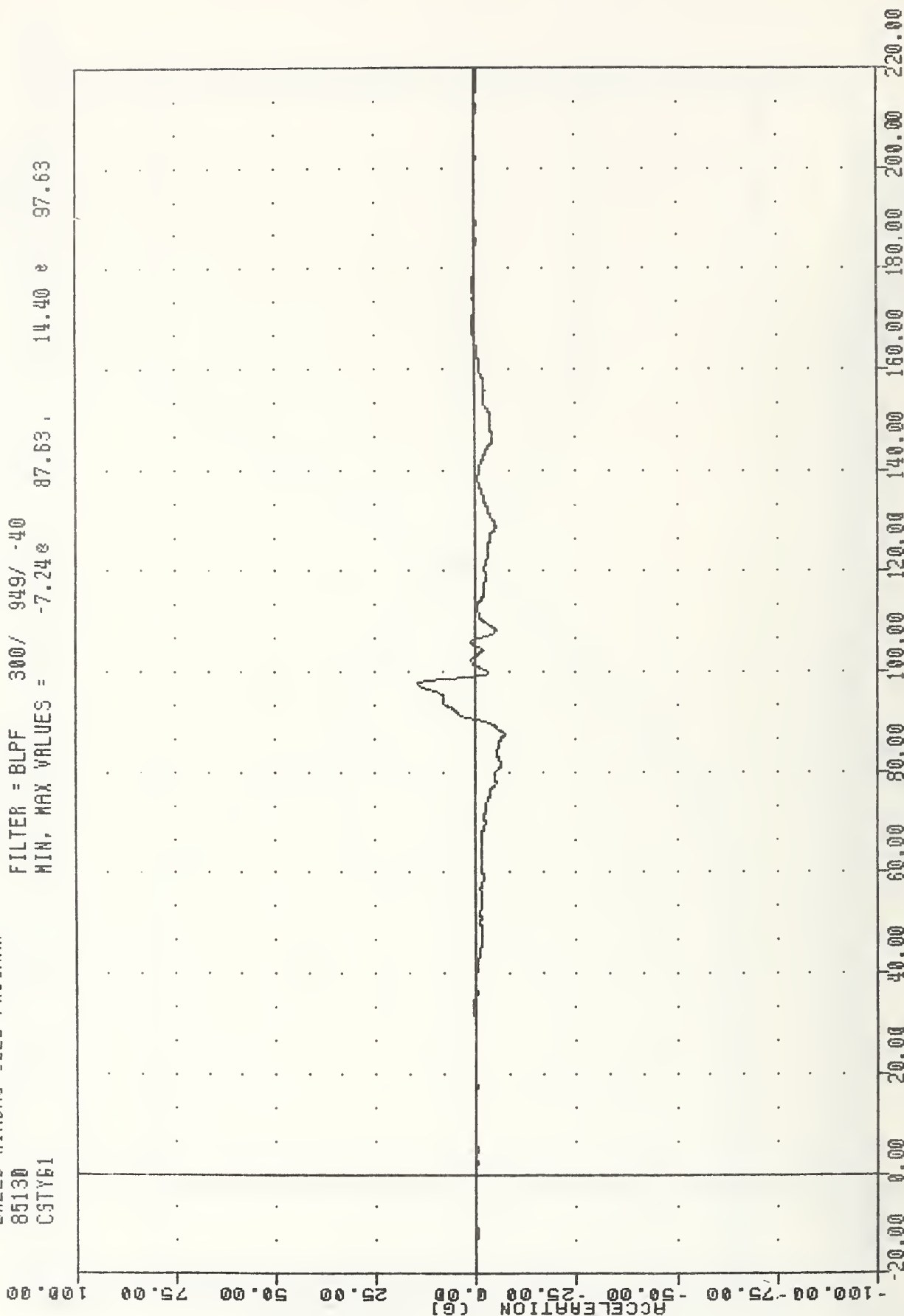


WATC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 CSTY61

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -7.24e 87.63 , 14.40 e 97.63



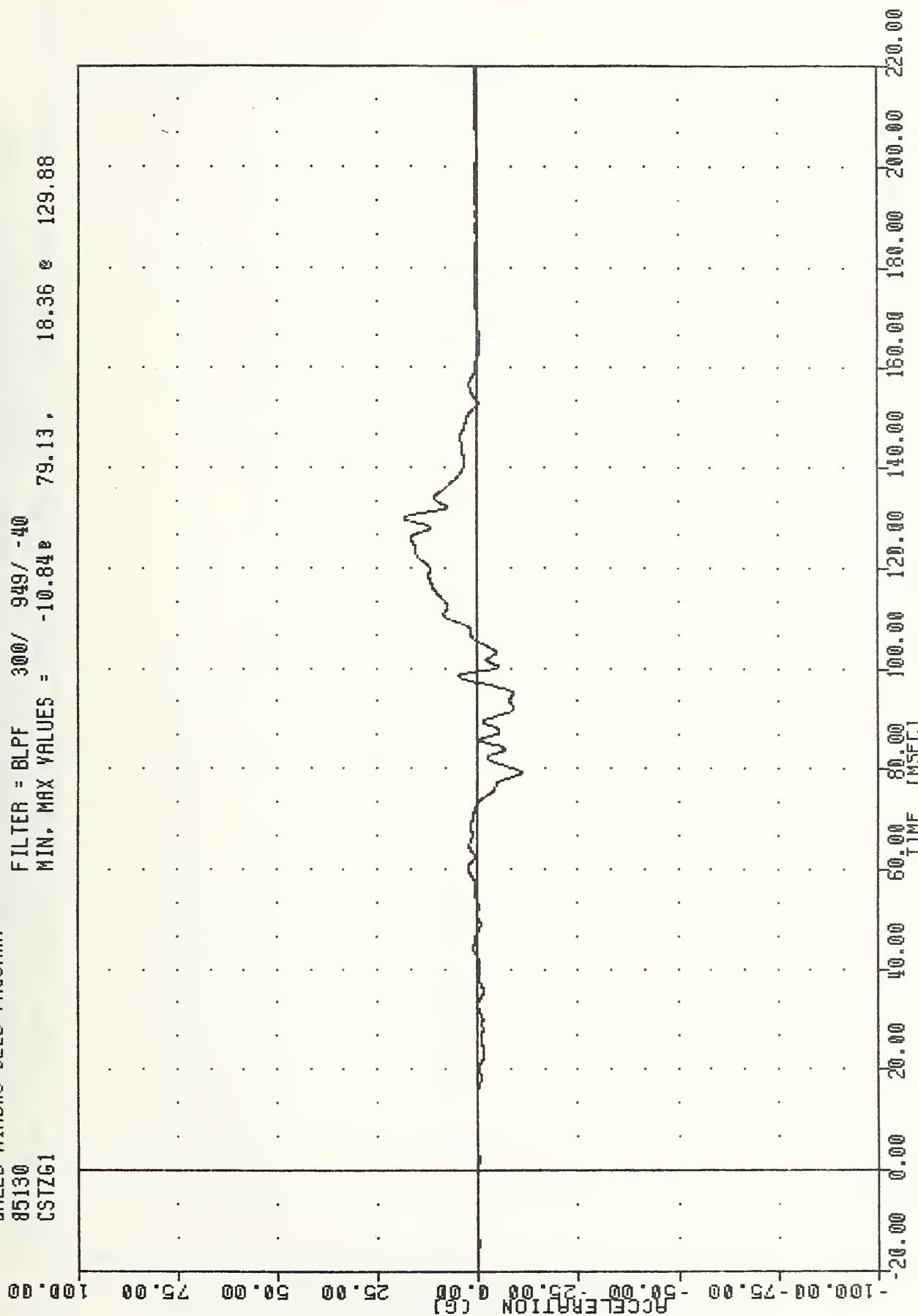
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 CSTZ61

PLOT DATE 13-MAY-85 10:06:28

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -10.84e 79.13, 18.36 e 129.88



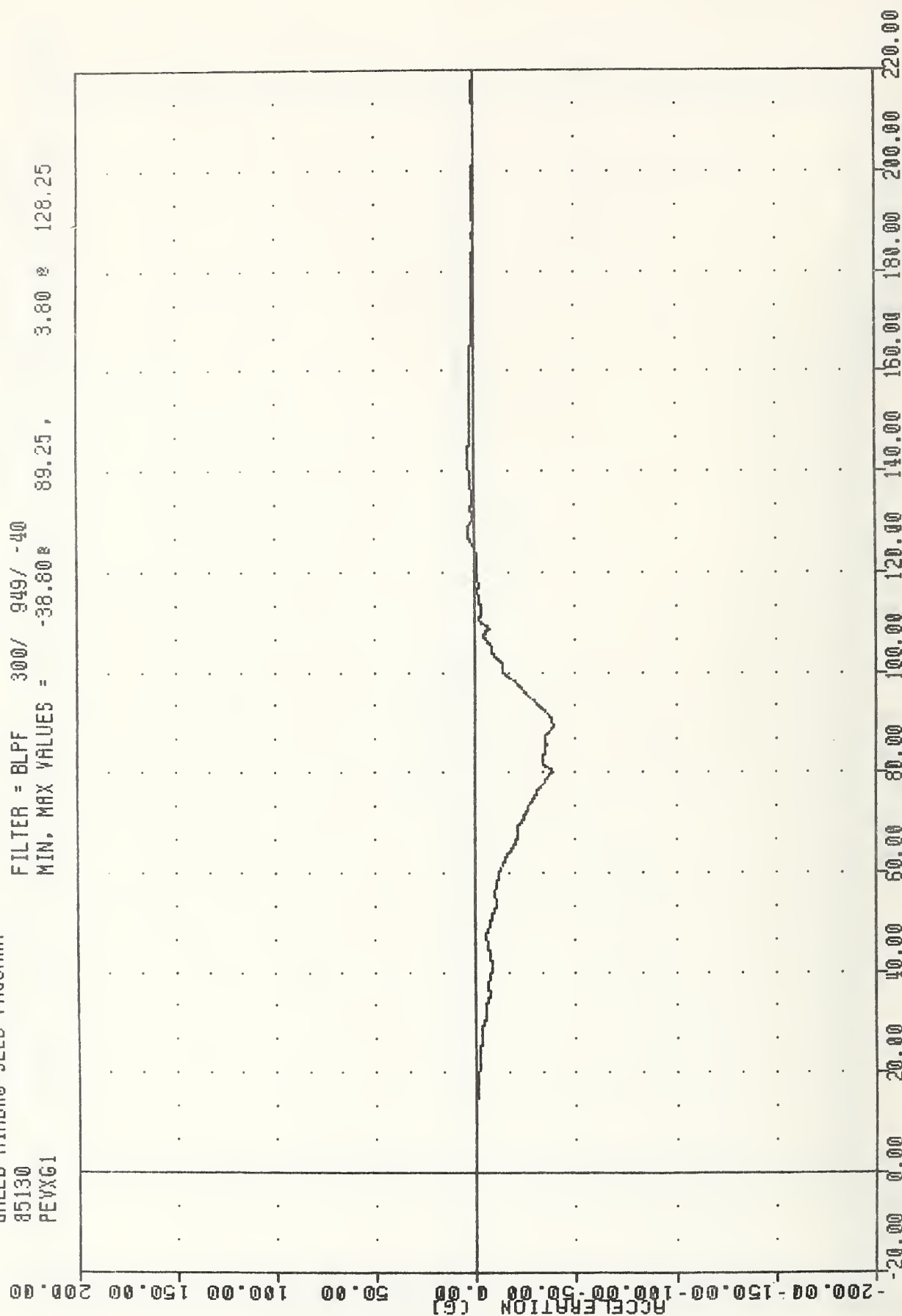
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 PEVXG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -38.80 89.25 , 3.80 128.25



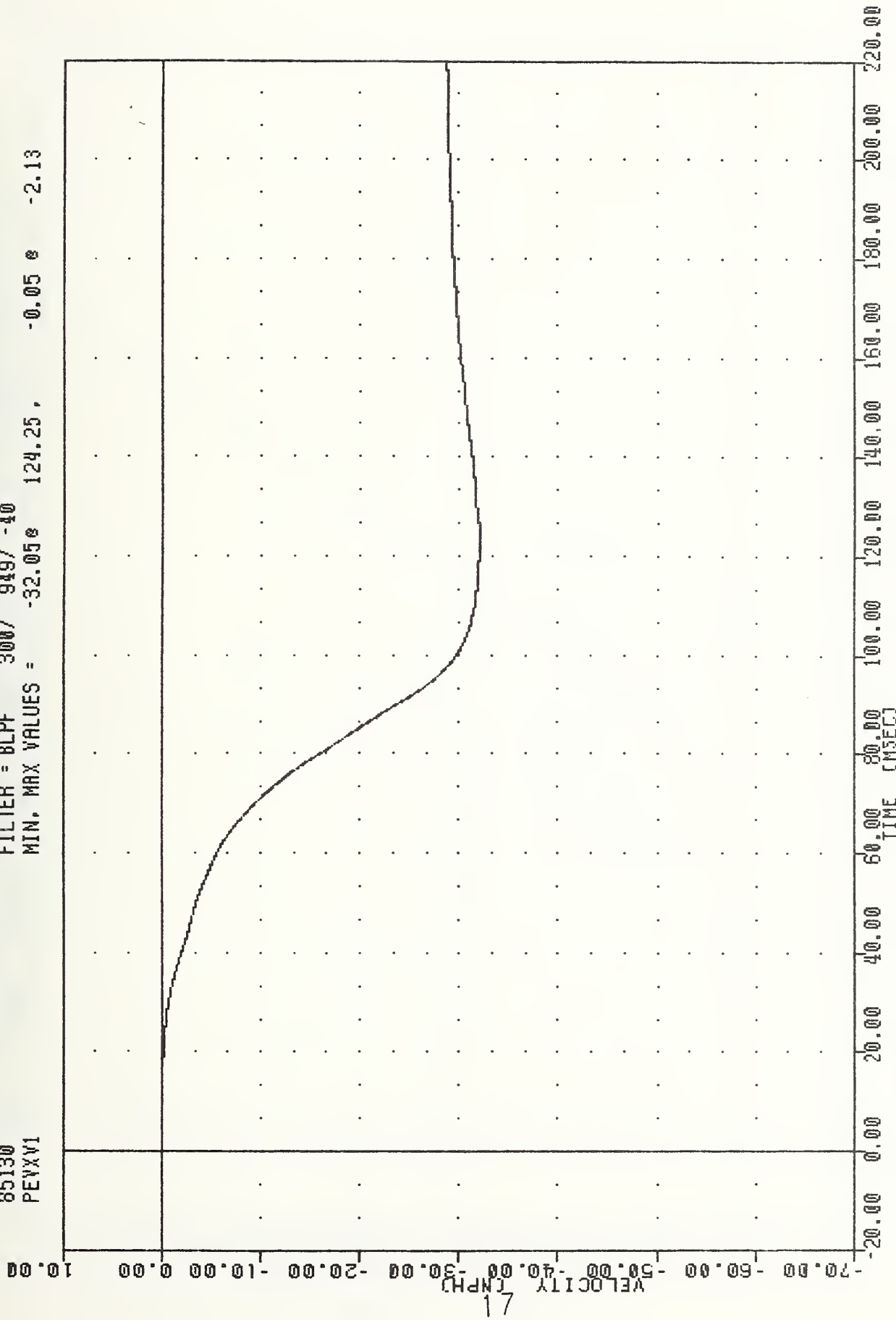
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION X AXIS

VRIC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
PEVXV1

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -32.05 124.25 , -0.05 2.13



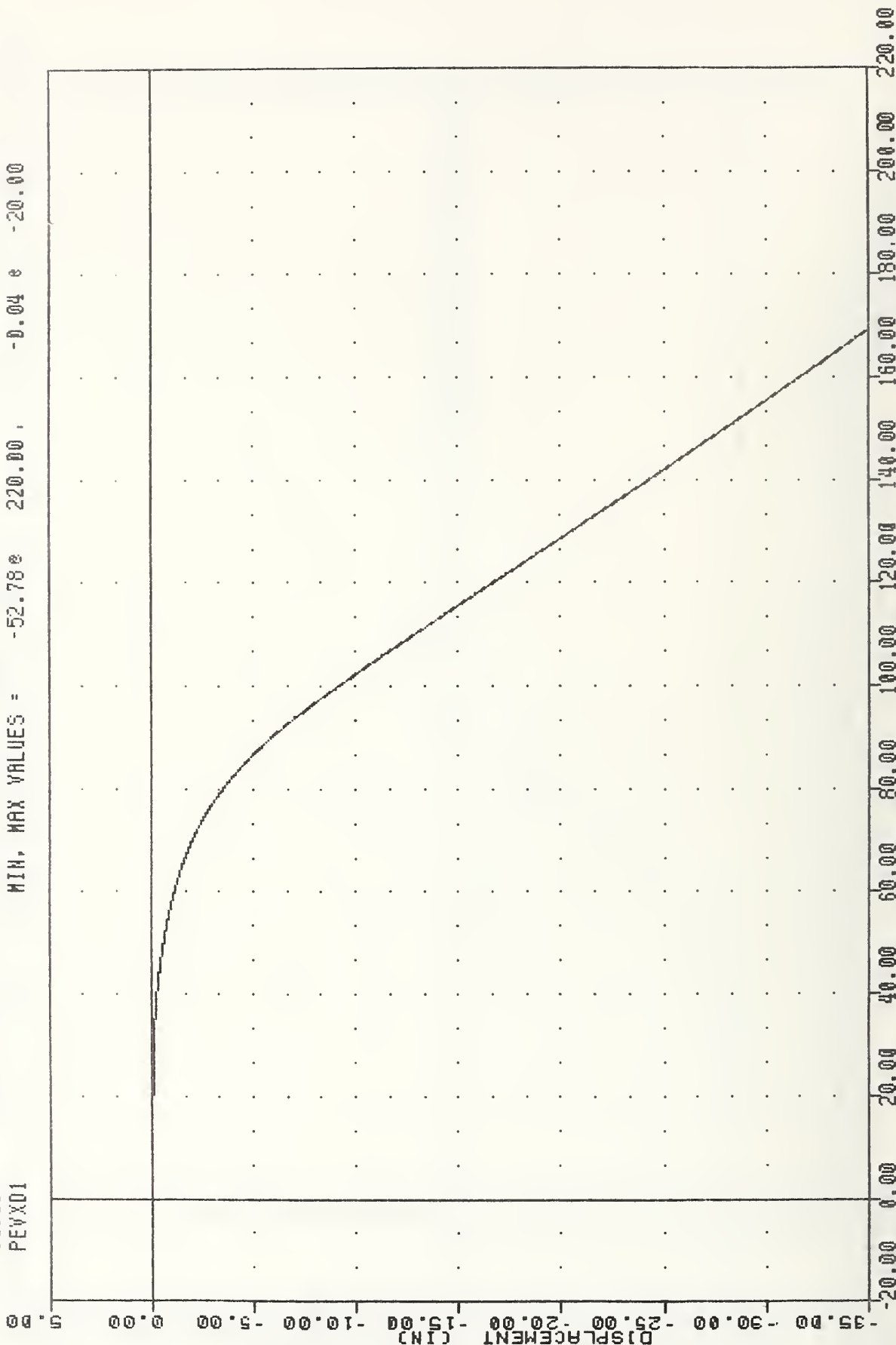
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING PEVXG1

VRAC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 PEVX01

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -52.78e 220.00, -0.04 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DELTA X USING PEVXV1

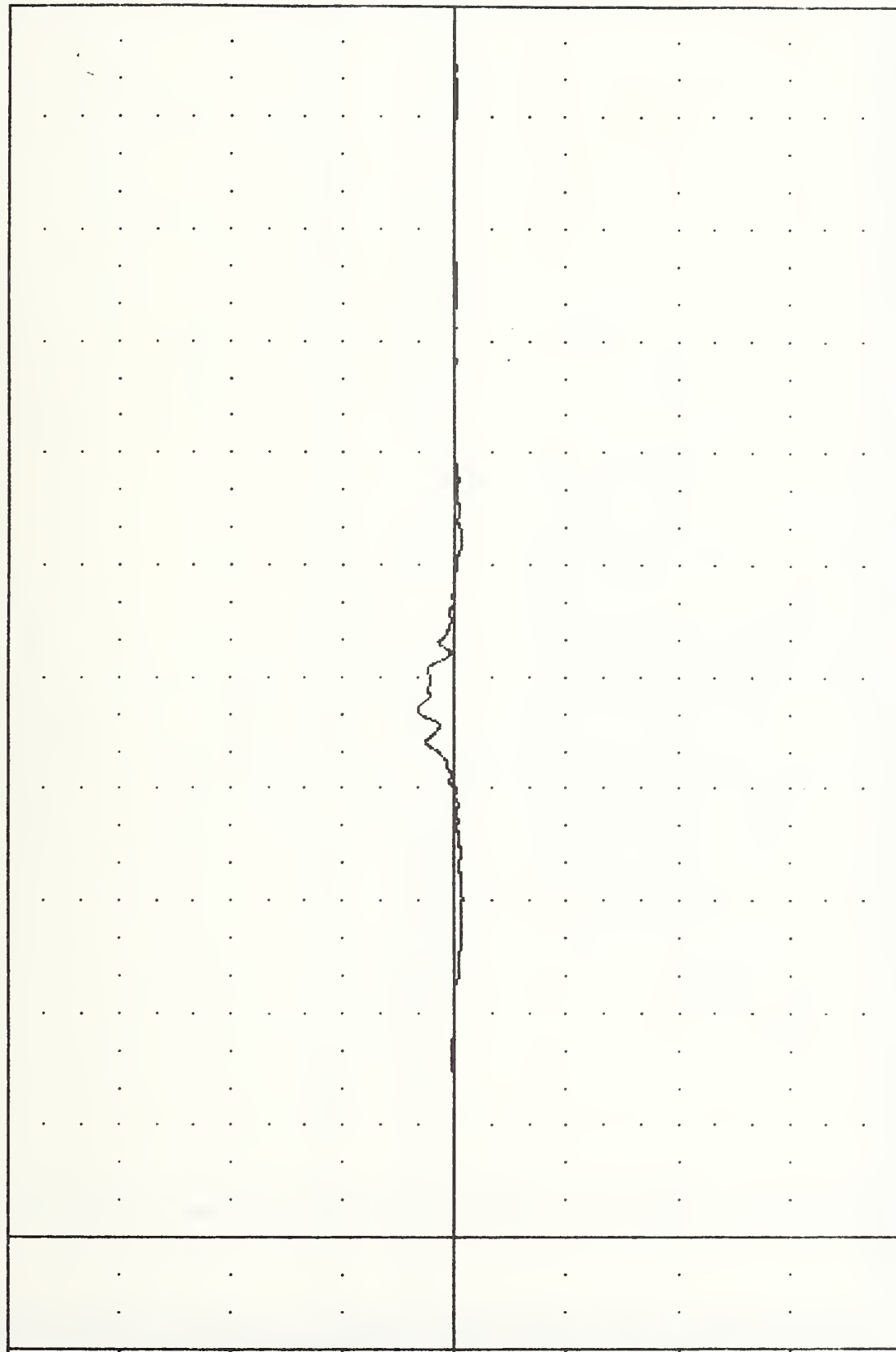
VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 PEVYG1

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.53e 60.25 , 16.67 e 94.25

ACCELERATION (G)



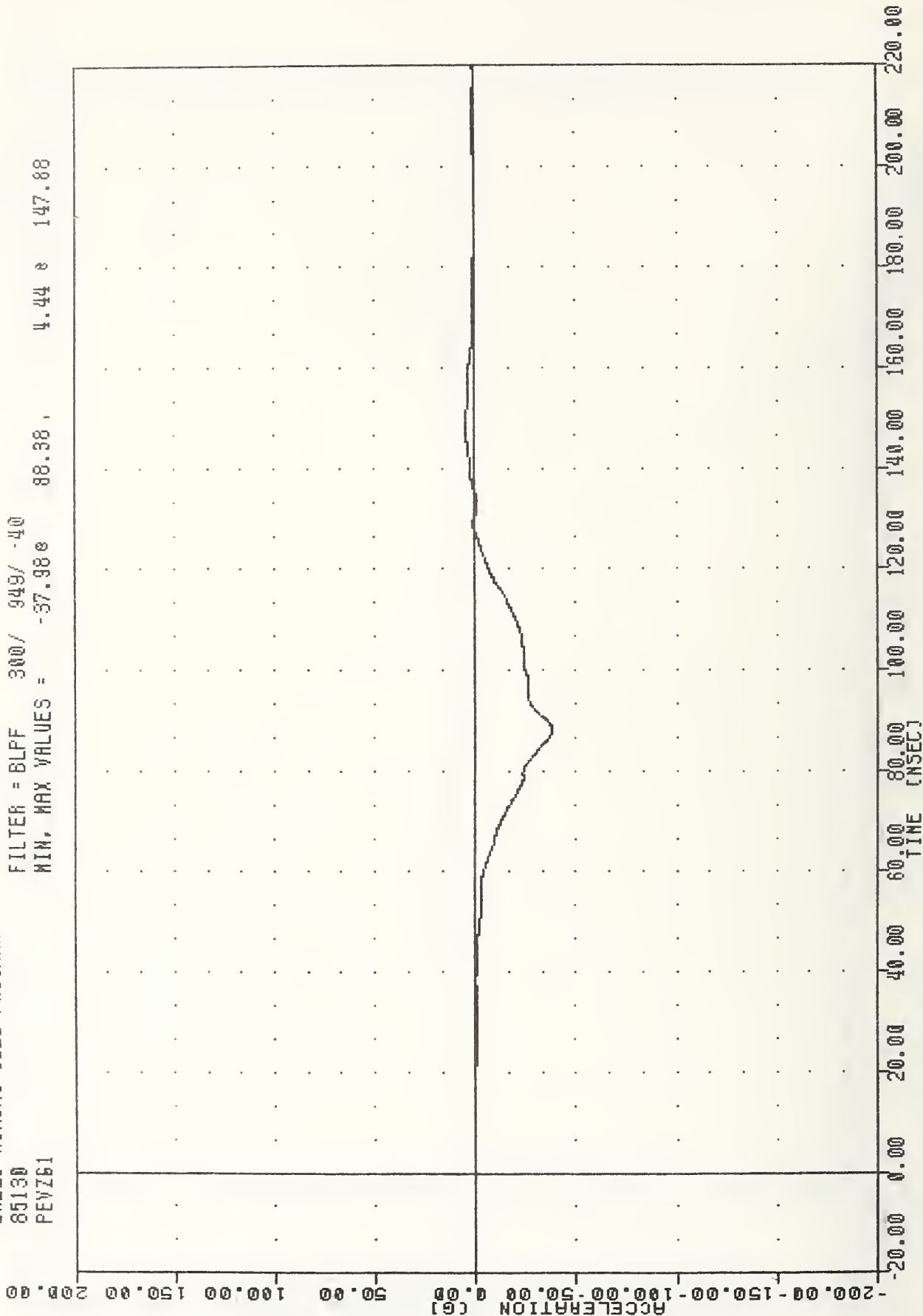
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00
 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 PEVZ61

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -37.98g 88.38g 4.44g 147.88g



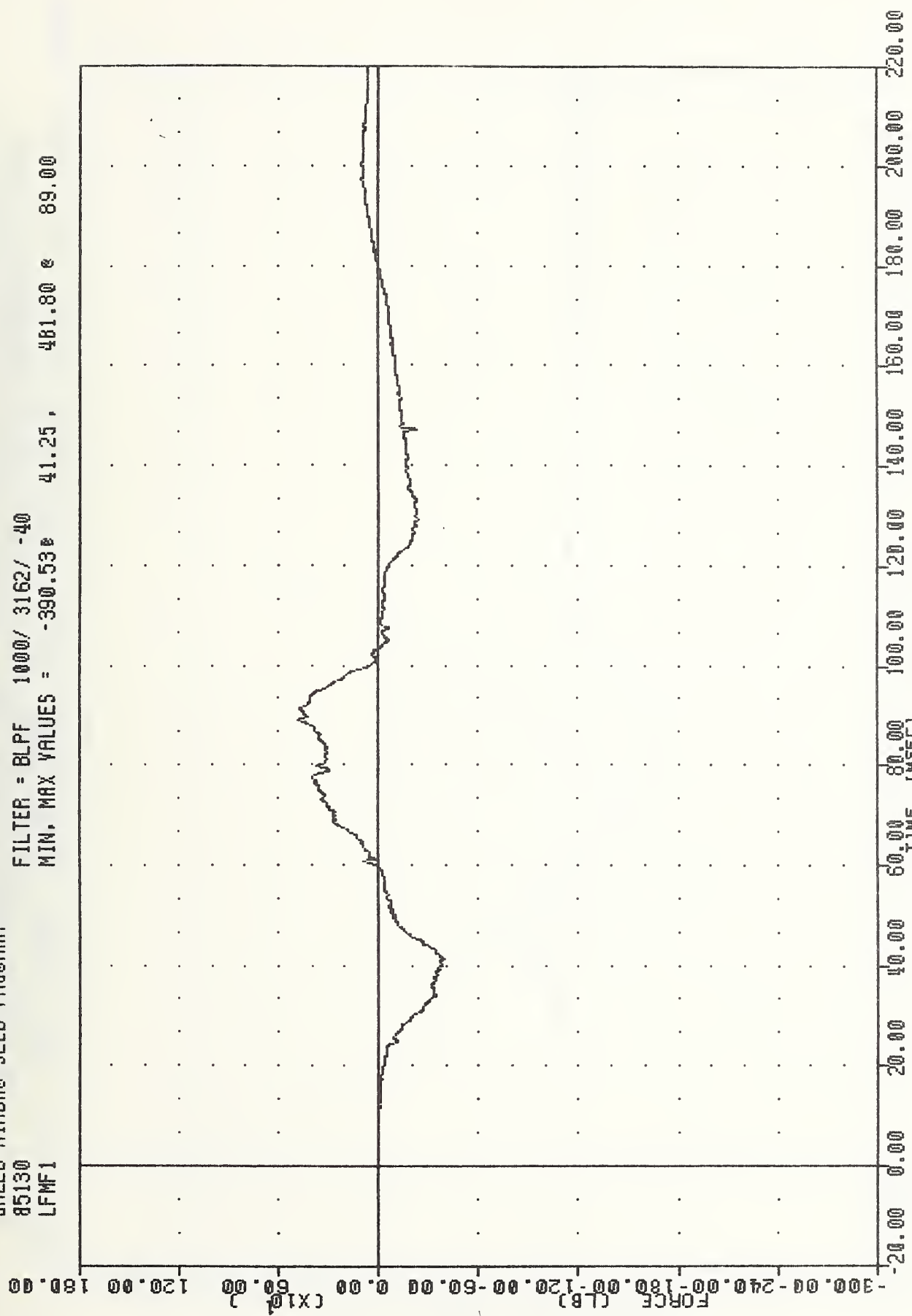
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 LFMF1

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -390.53e 41.25, 481.80 e 89.00



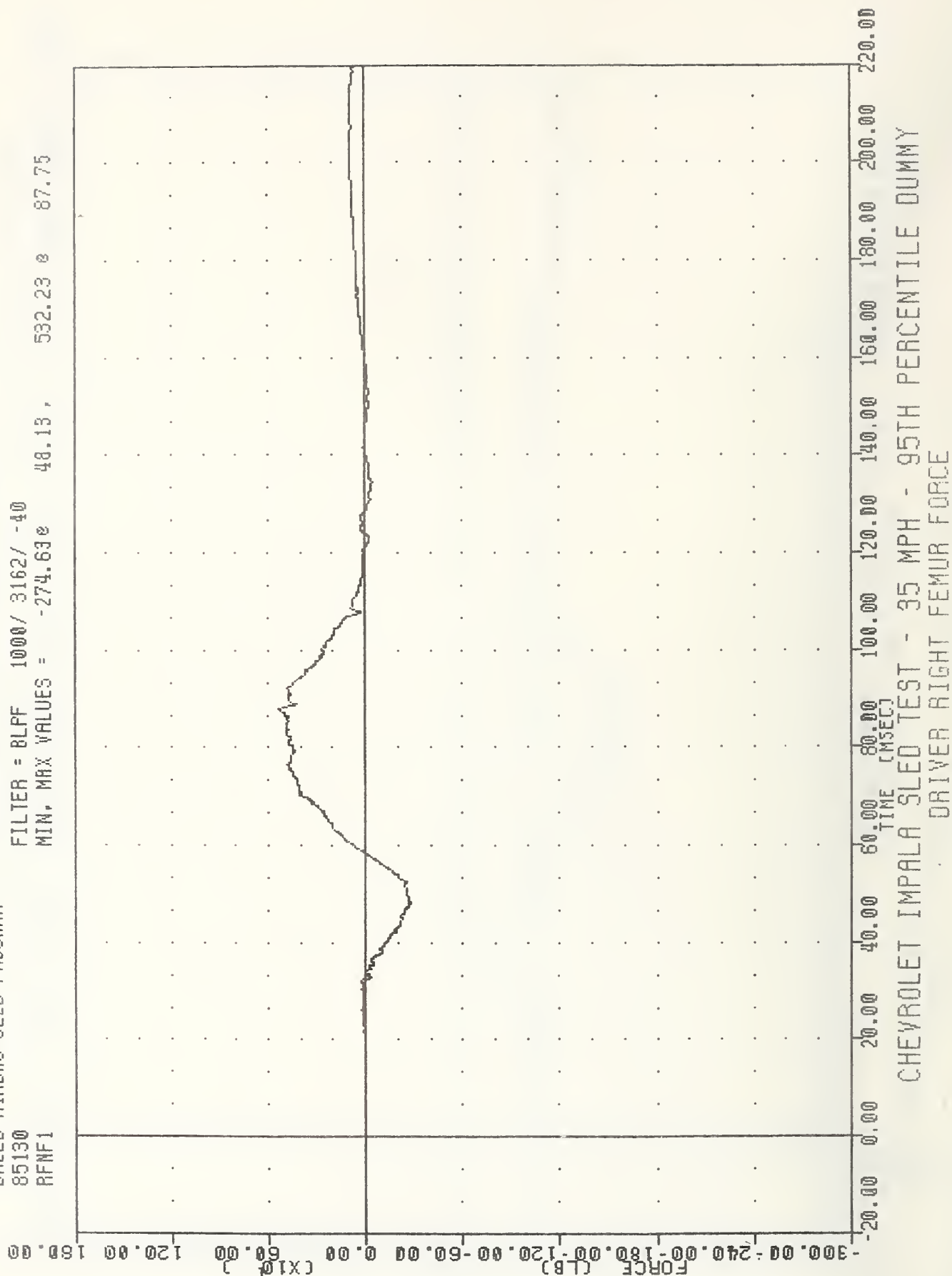
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
RFNF1

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -274.63e 48.13 , 532.23 e 87.75



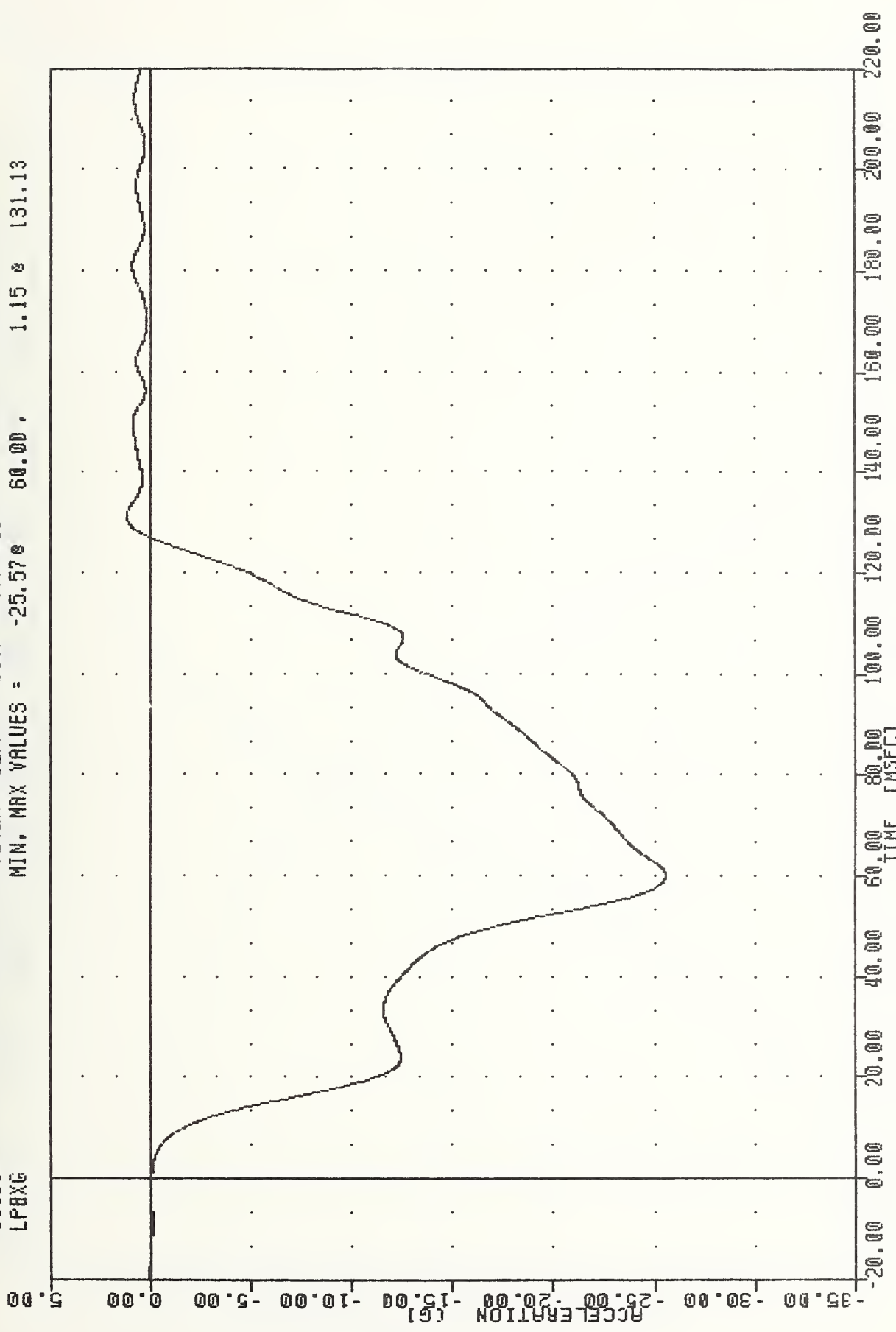
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 LPBXG

PLOT DATE 13-MAY-85 10:08:28

FILTER = 8LPF 100/ 316/ -40

MIN, MAX VALUES = -25.57e 60.00, 1.15 e 131.13



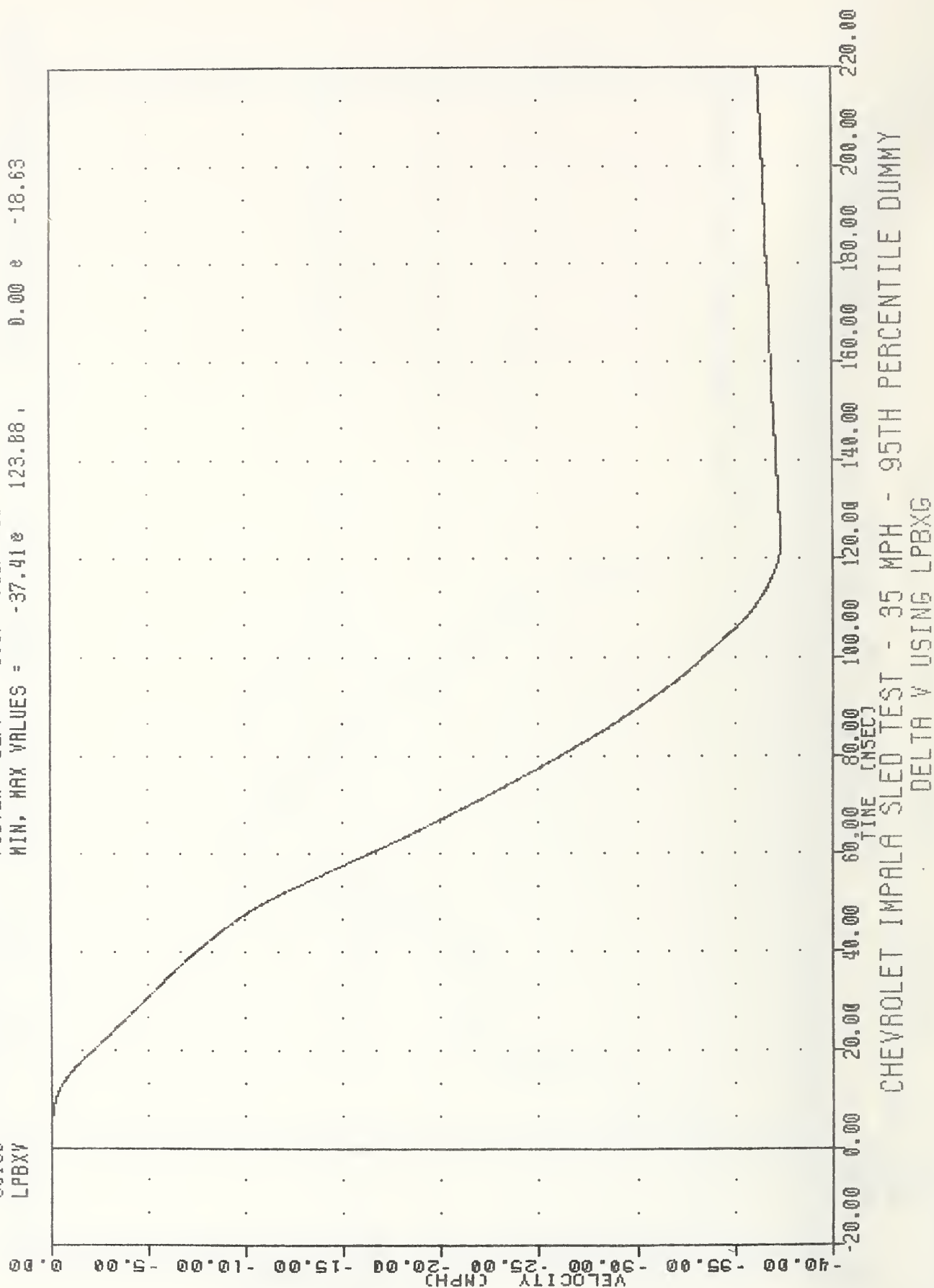
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION X AXIS

VRIC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
LPBXV

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.41e 123.68, 0.00 e -18.63

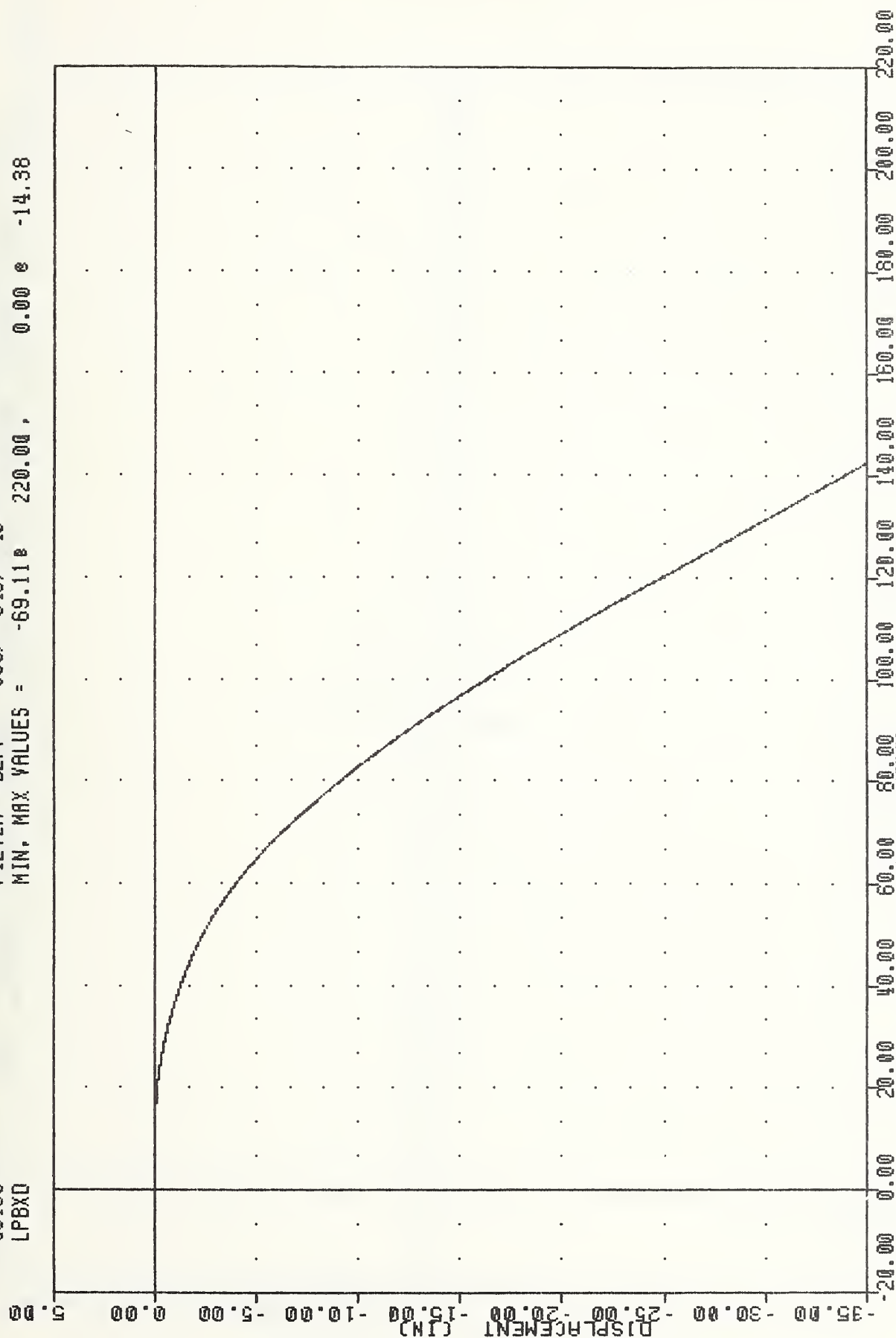


VRTC
BREED AIRBAG SLED PROGRAM
85130
LPBXD

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -69.11e 220.00, 0.00 e -14.38



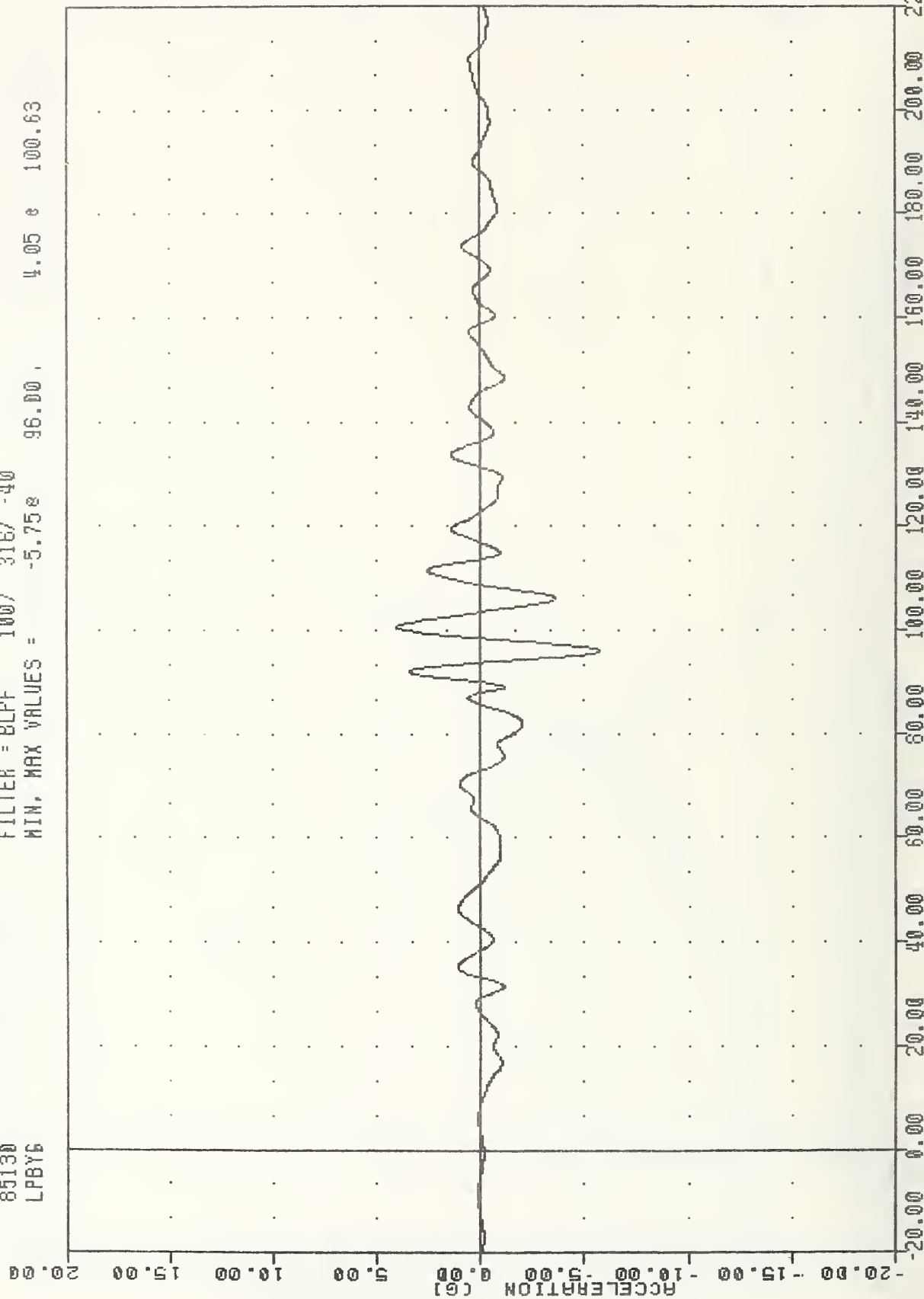
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING LPBXV

VATC , RD384-4-28
BREED AIRBAG SLED PROGRAM
85130
LPBY6

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -5.75e 96.00 , 4.05 e 100.63



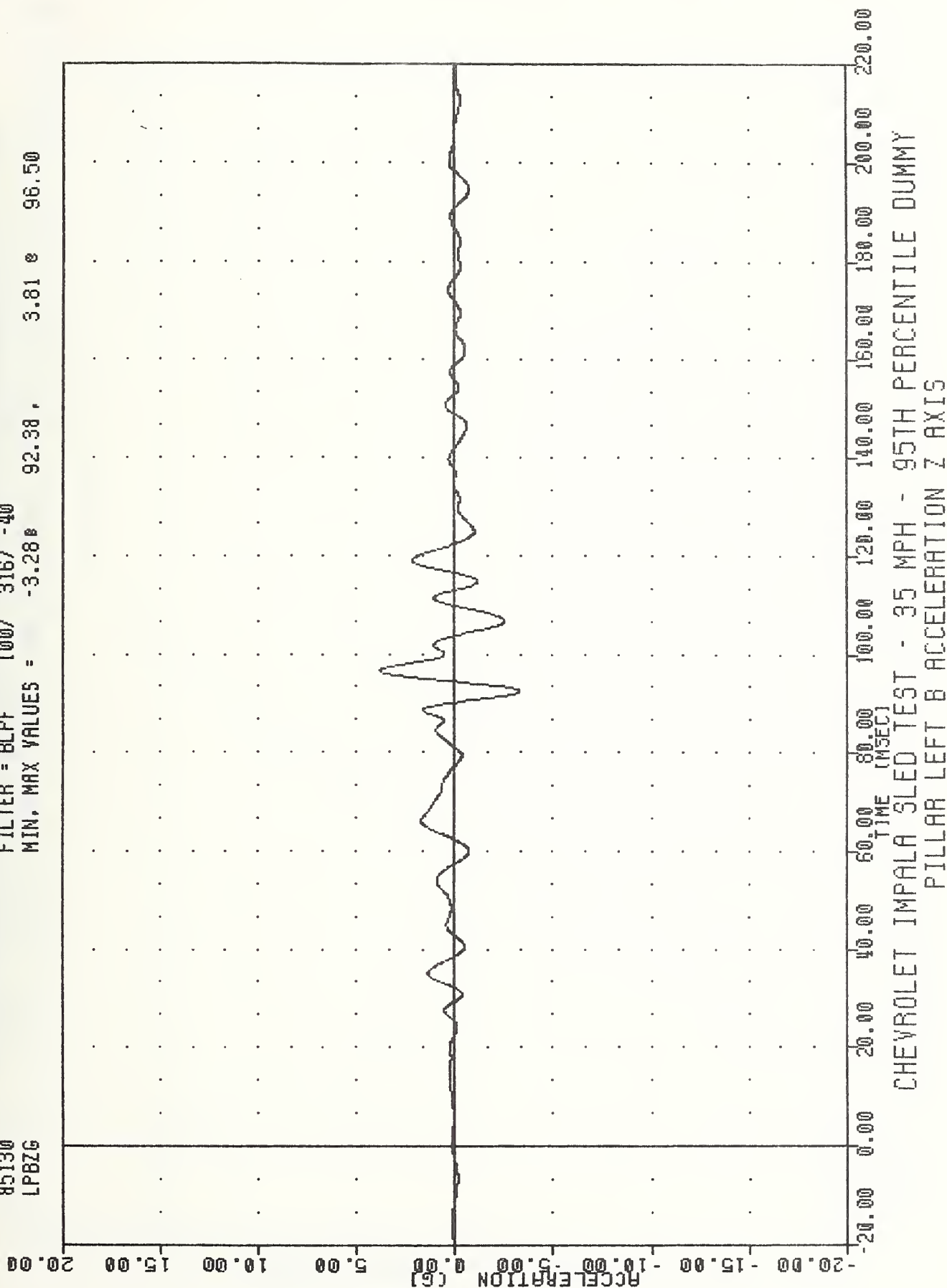
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC
 BREED AIRBAG SLED PROGRAM
 85130
 LPBZG

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -3.28 92.38 3.81 96.50

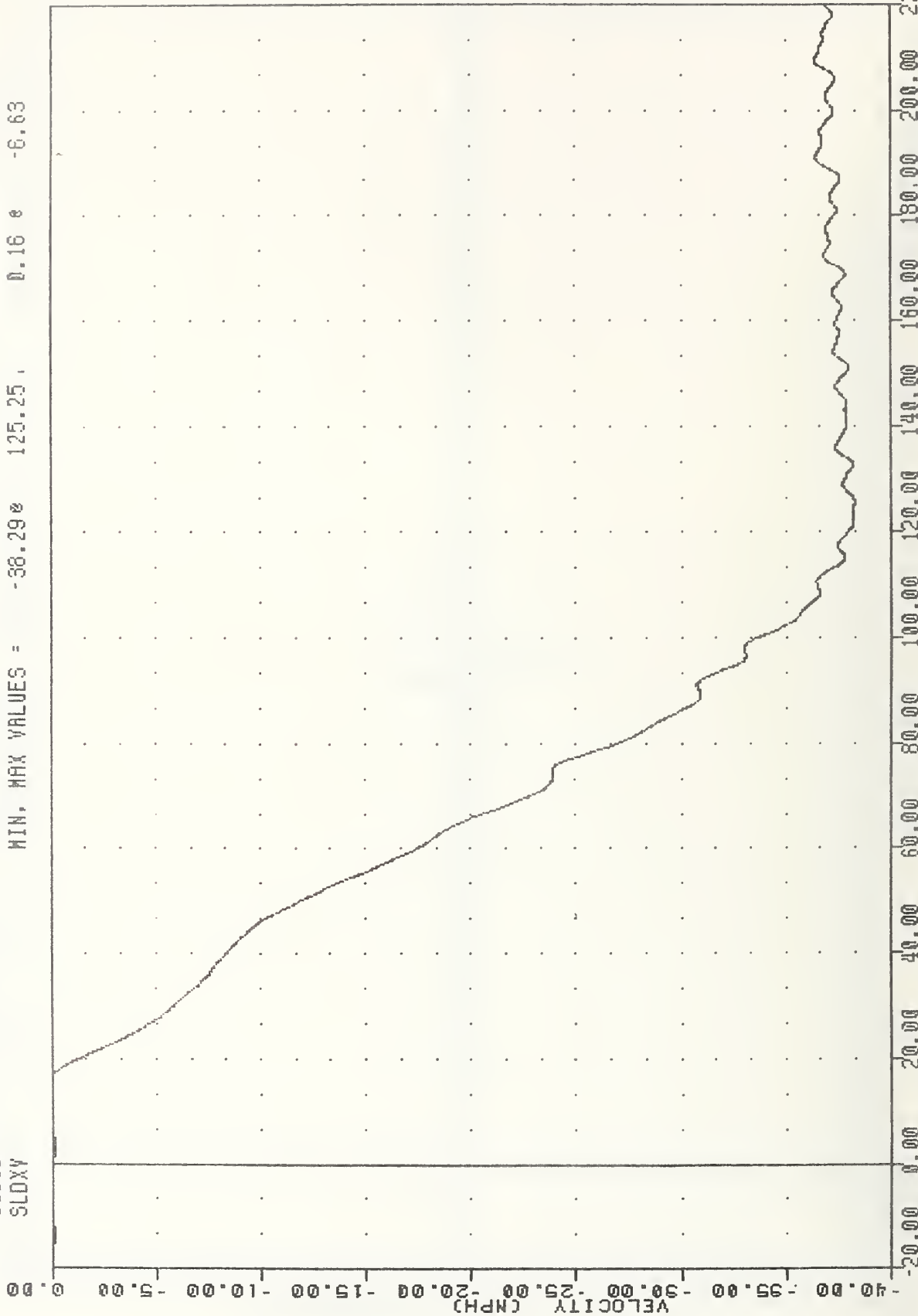


VRTC
BRAED AIRBAG SLED PROGRAM
85130
SLDXY

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -38.29 125.25 0.16 -0.63



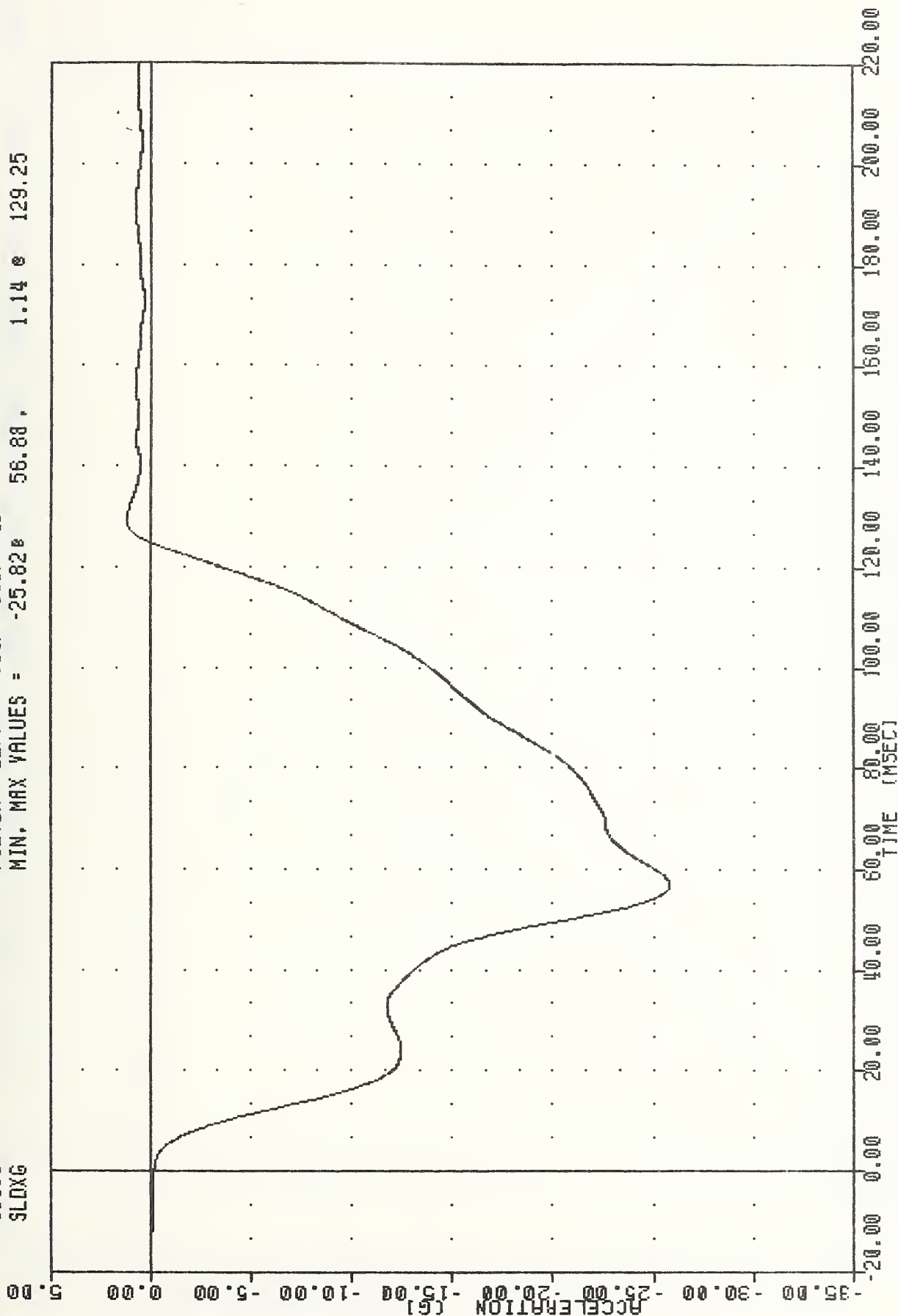
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , R0384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 SLDXG

PLOT DATE 13-MAY-85 10:08:28

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.82 56.88 , 1.14 129.25



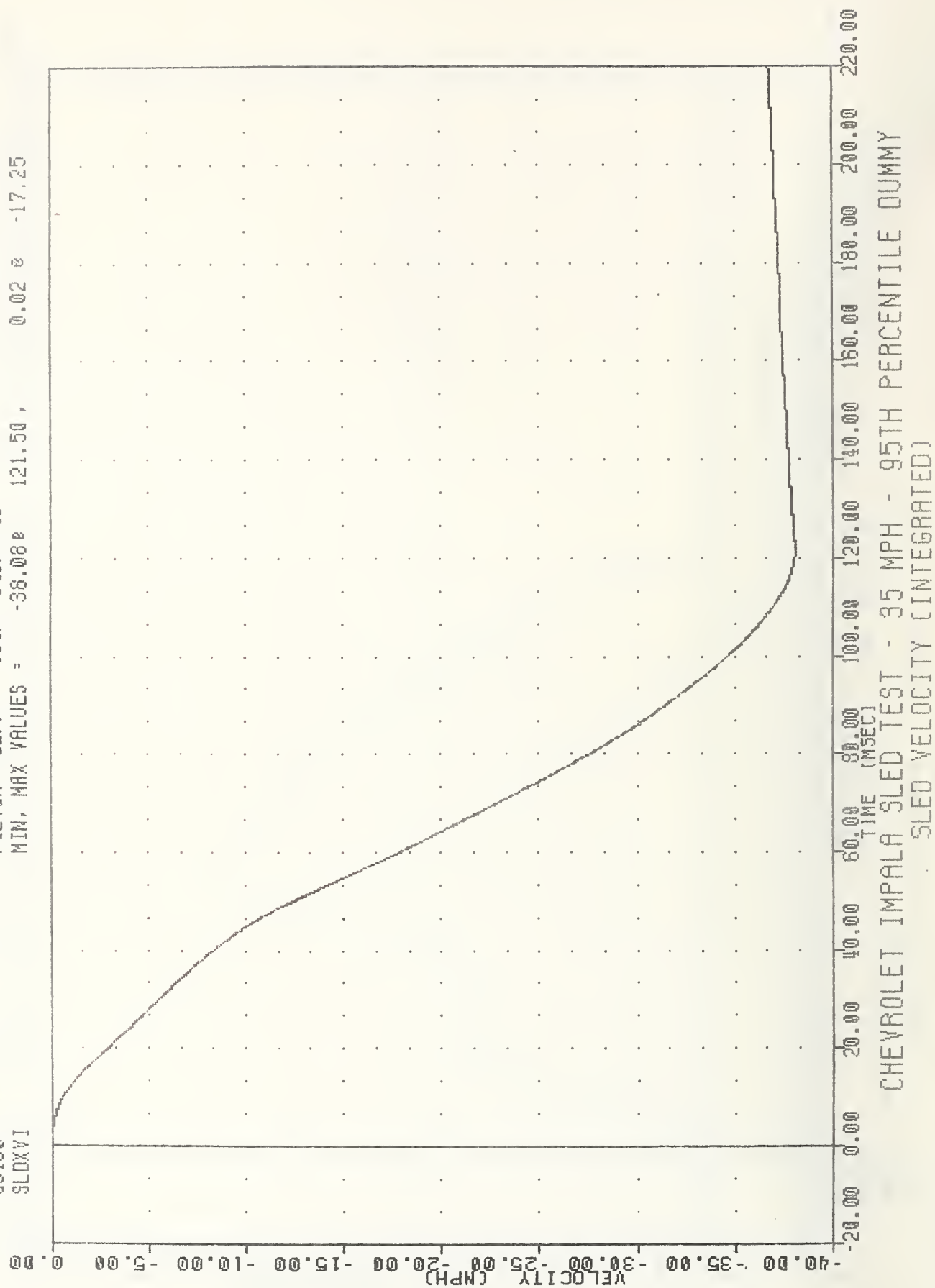
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 SLED ACCELERATION

VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
SLOXVI

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -38.08 121.50 , 0.02 2 -17.25

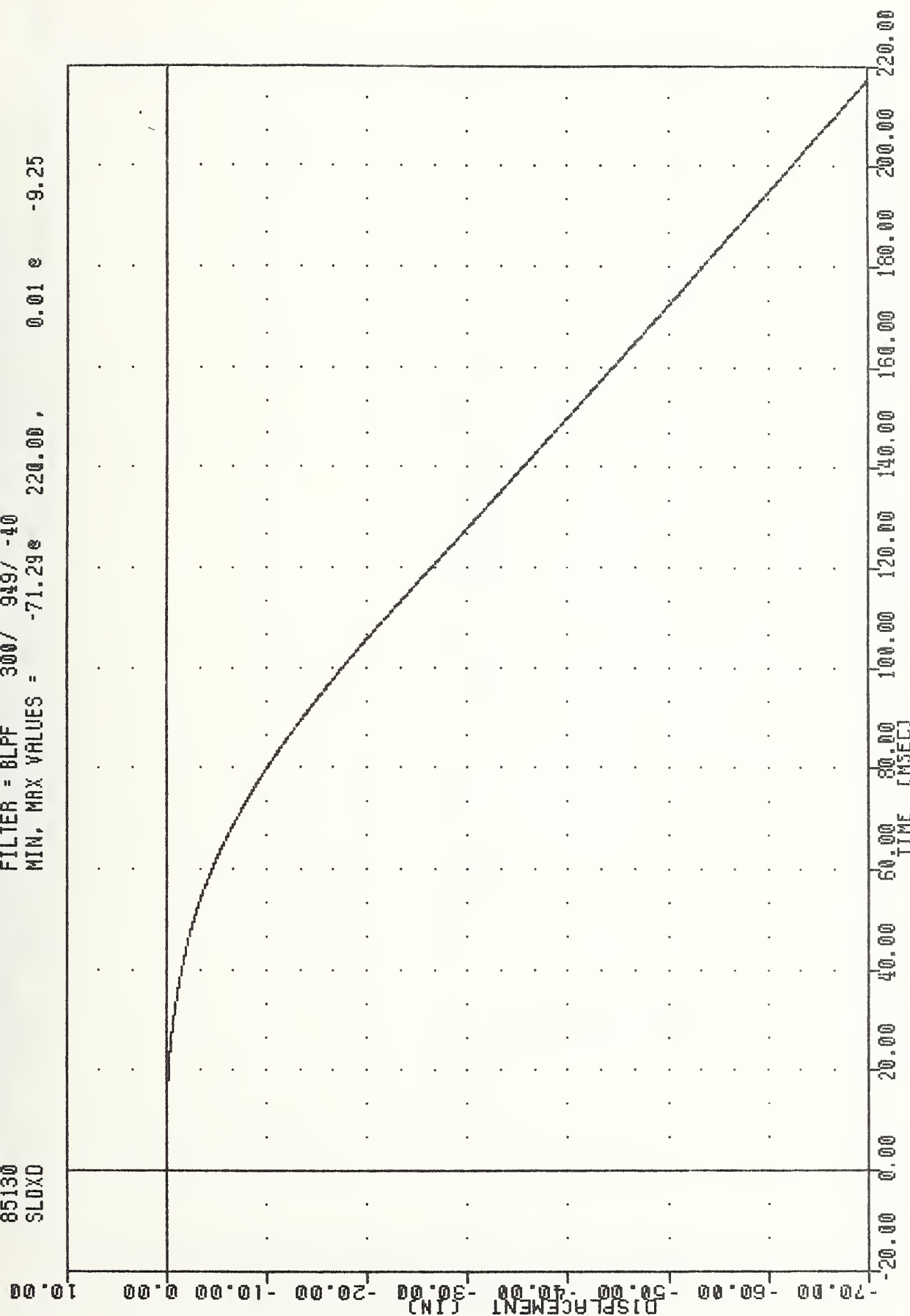


VRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 SLOXD

PLOT DATE 13-MAY-85 10:10:53

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -71.29e 220.00, 0.01 e -9.25



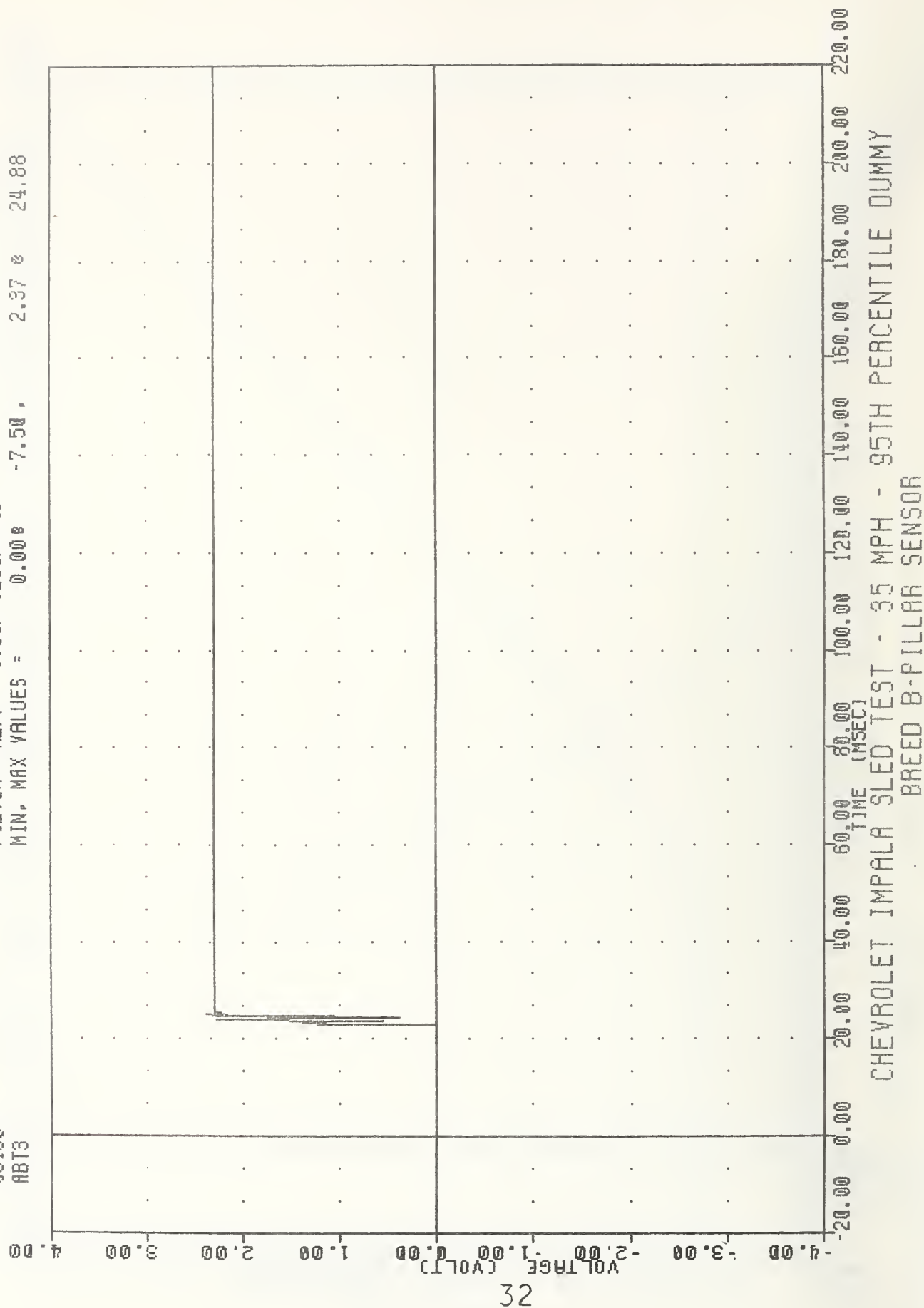
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VRTC
BREED AIRBAG SLED PROGRAM
85130
ABT3

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.00e -7.50, 2.37 e 24.88

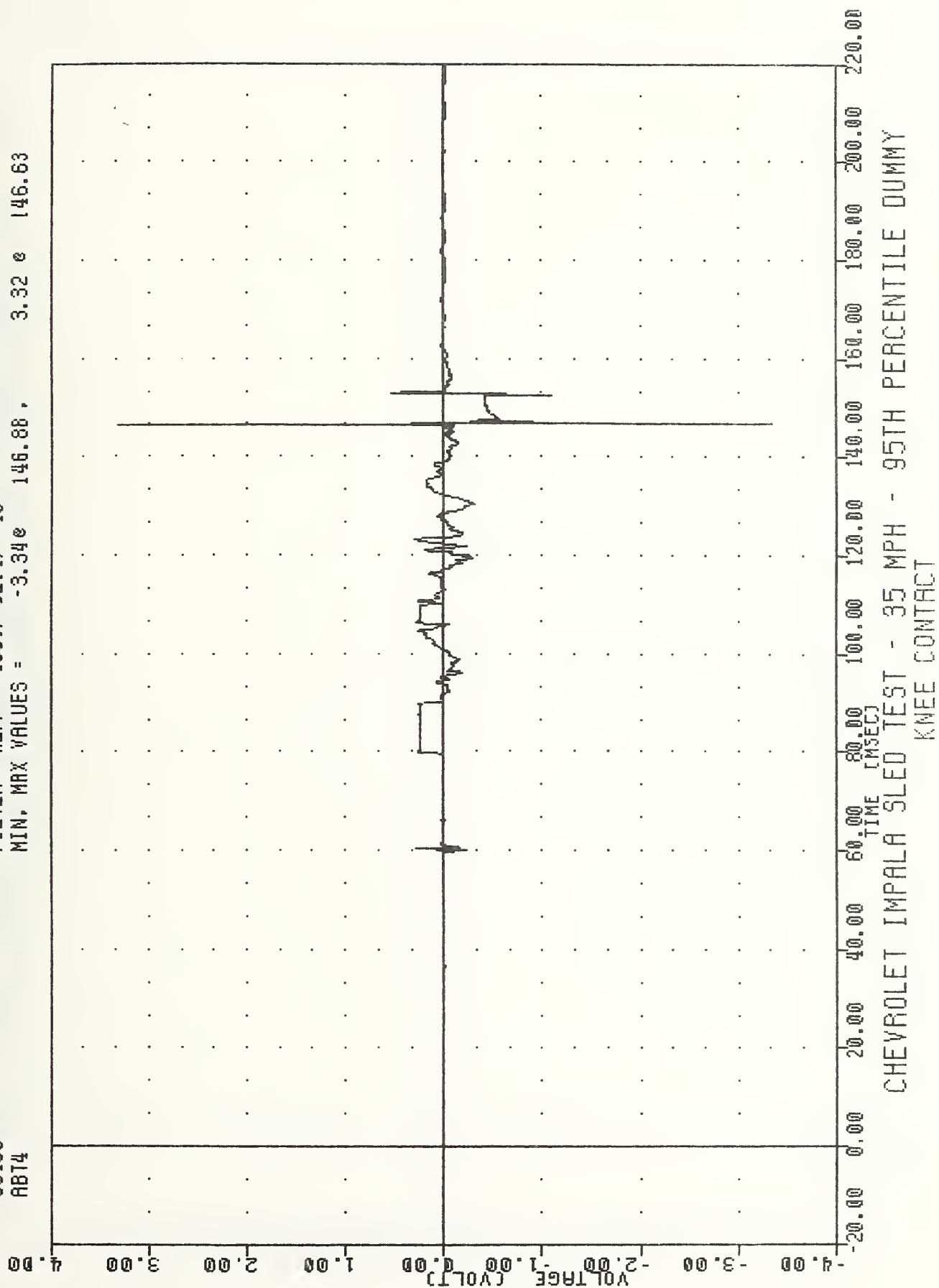


VRTC , PD384-4-29
BREED AIRBAG SLED PROGRAM
85130
ABT4

PLOT DATE 13-MAY-85 10:08:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.34e 146.88 , 3.32 e 146.63

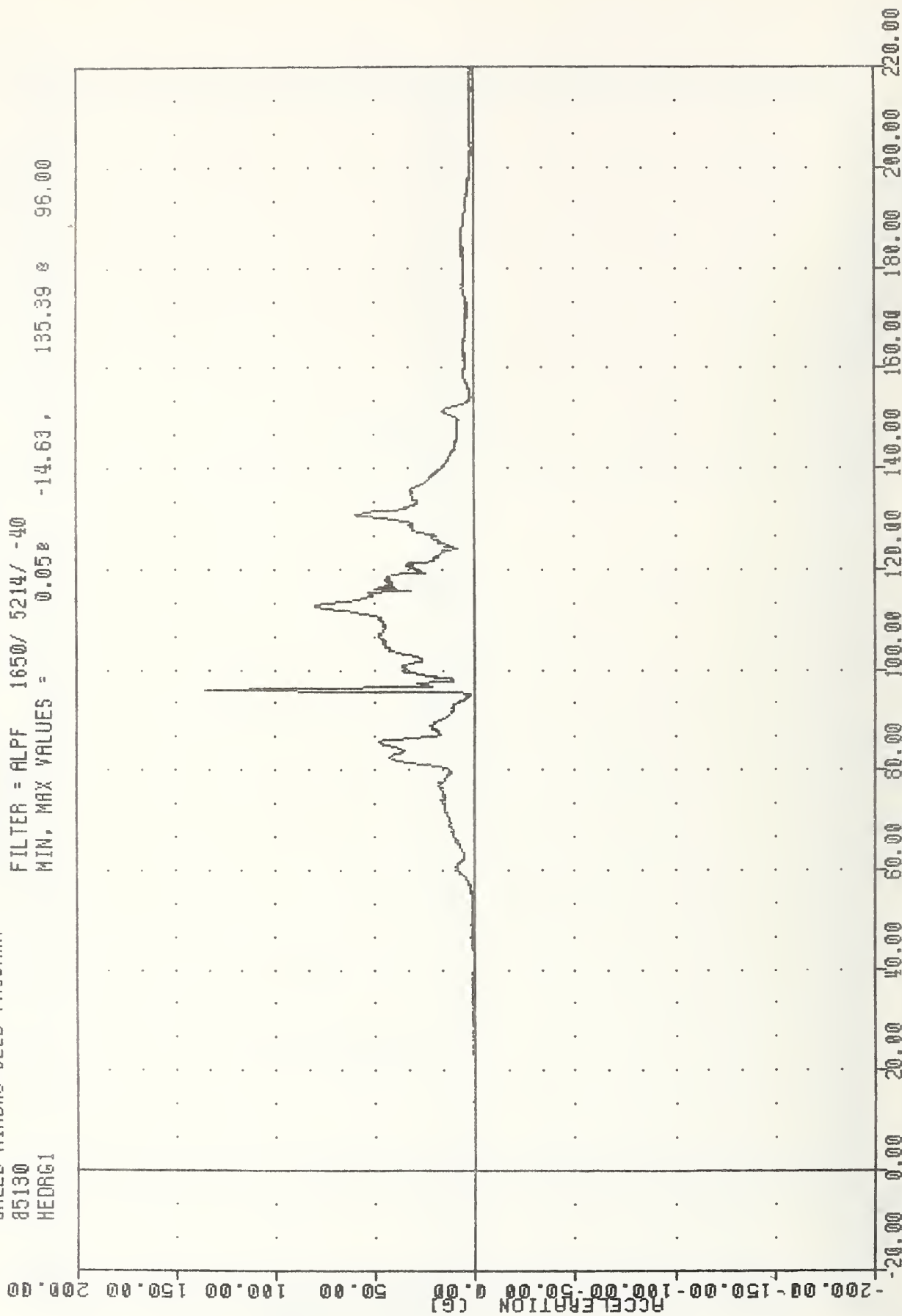


VRTC , RD384-4-29
BREED AIRBAG SLED PROGRAM
85130
HEDRG1

PLOT DATE 13-MAY-85 10:12:00

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.058 -14.63, 135.39 & 96.00



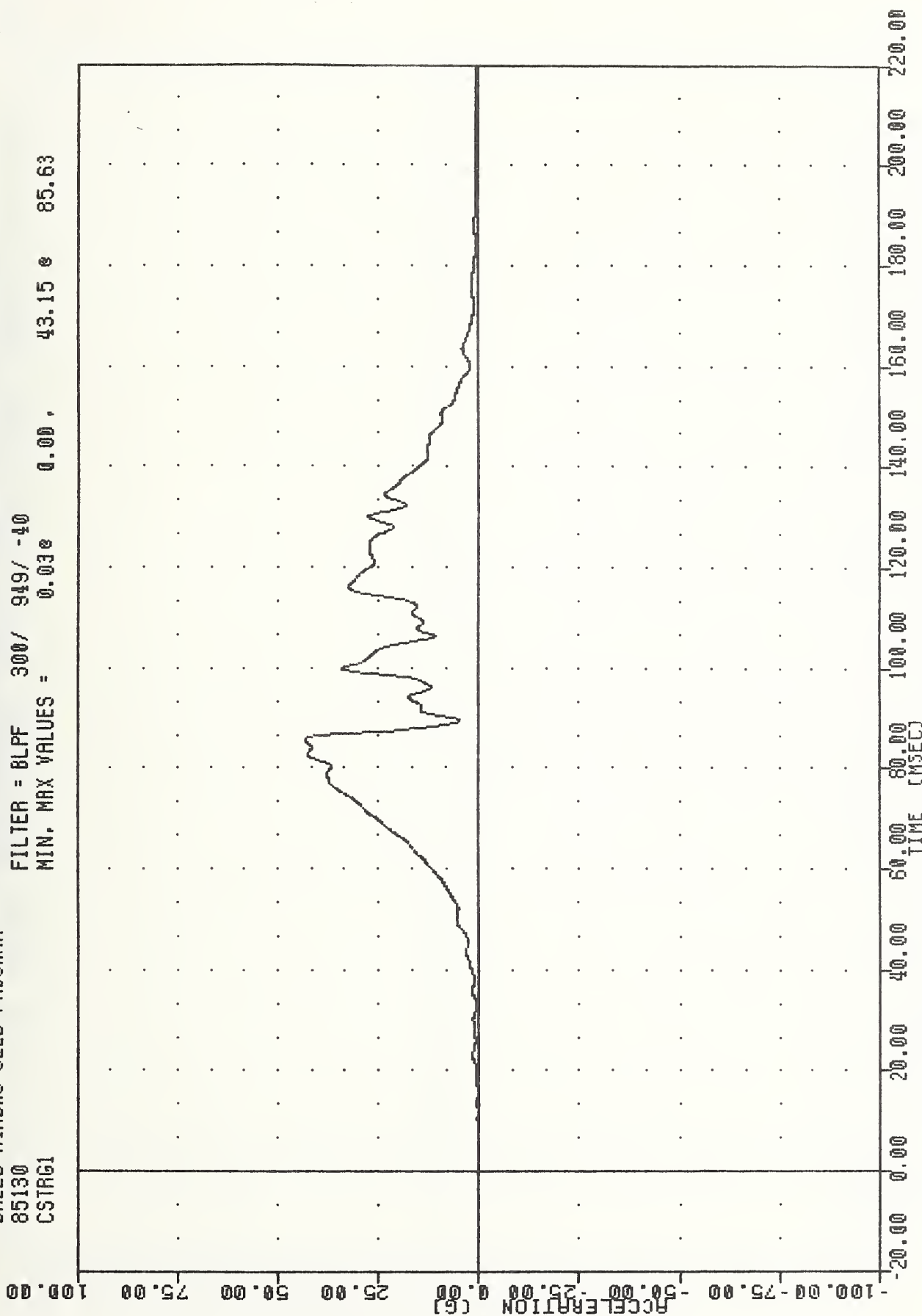
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRIC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 CSTRG1

PLOT DATE 13-MAY-85 10:12:00

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = 0.03e 0.00, 43.15 e 85.63



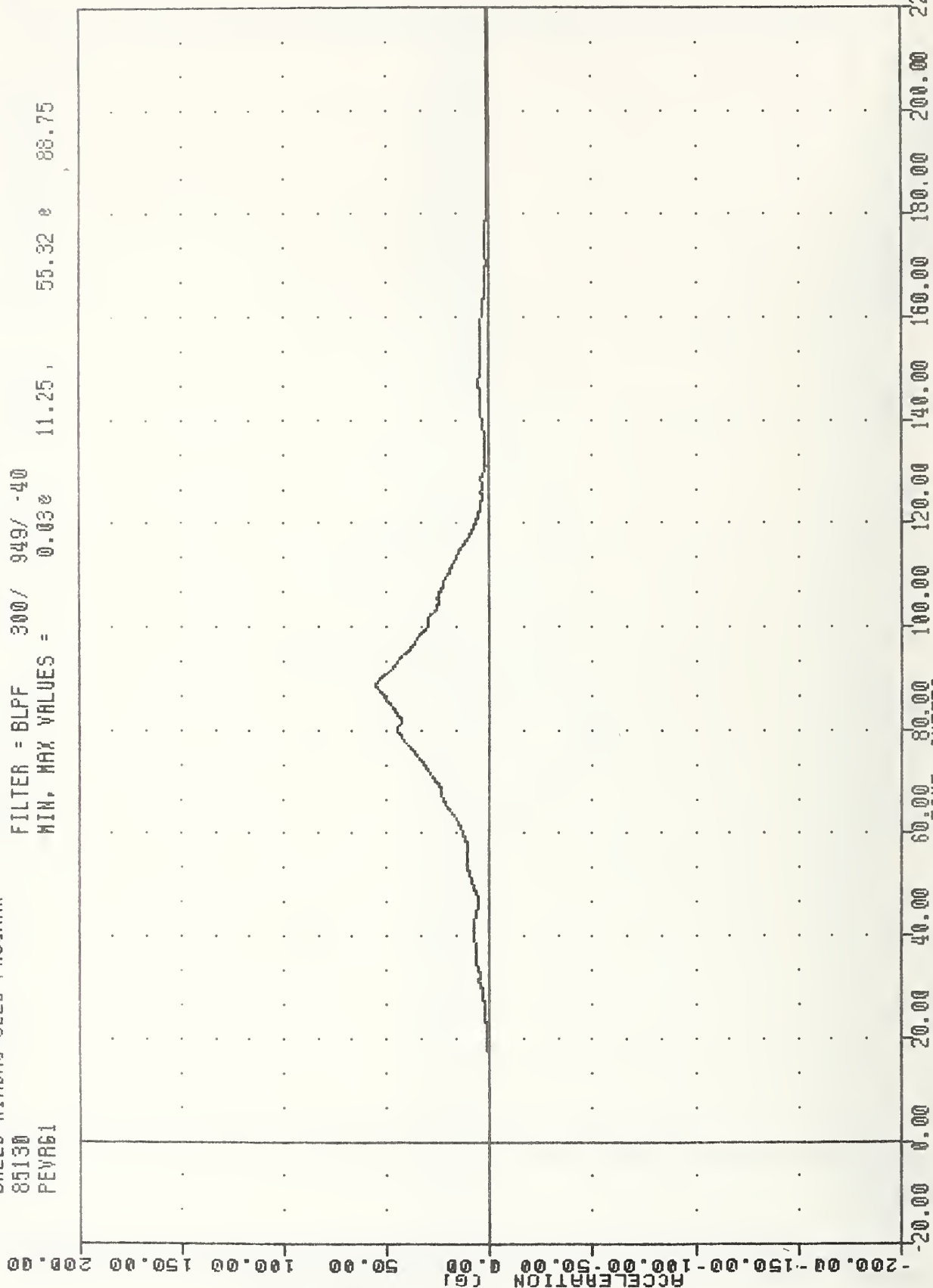
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST RESULTANT

VRTC RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 PEVR61

PLOT DATE 13-MAY-85 10:12:00

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.03e 11.25 , 55.32 e 88.75



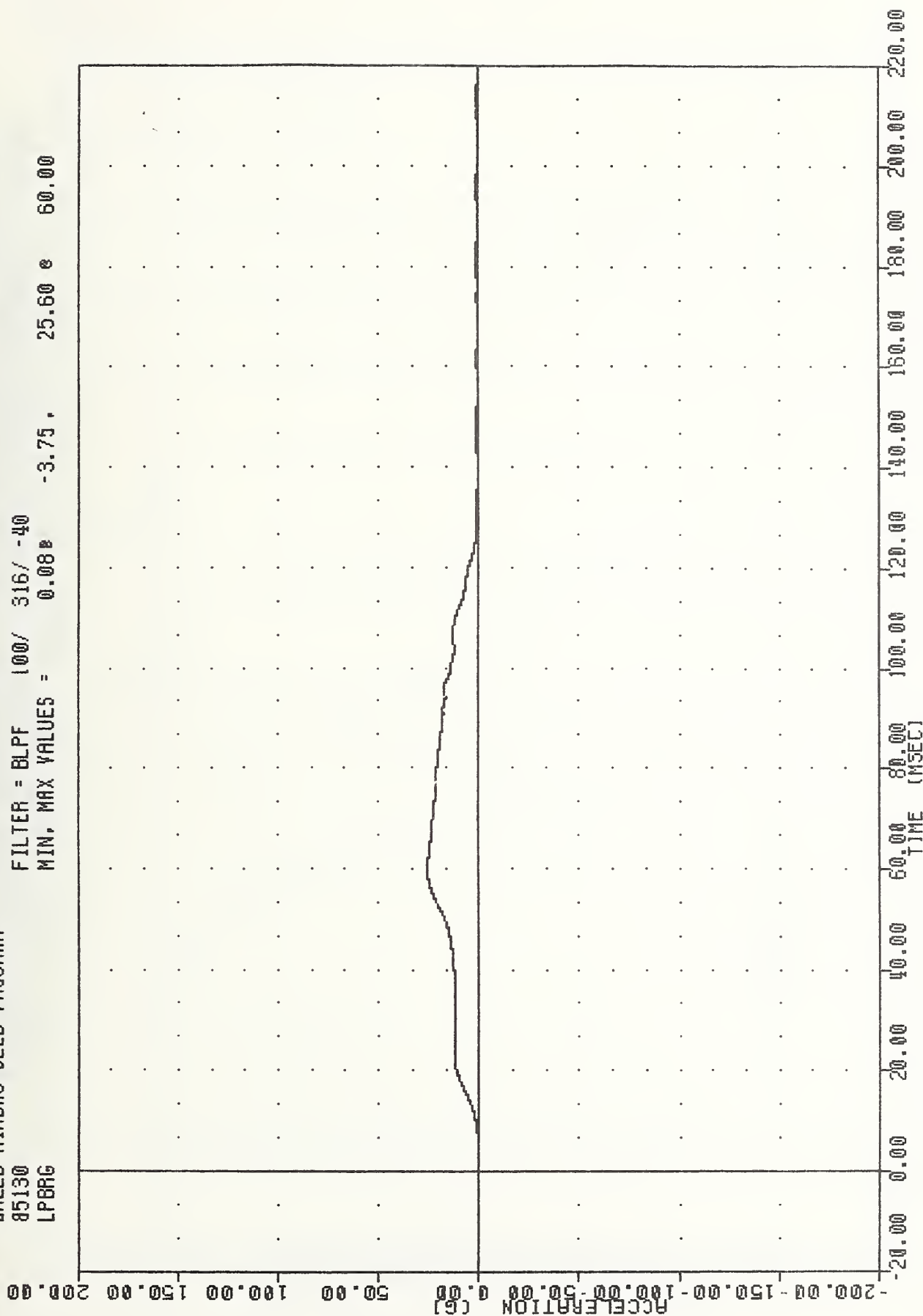
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

YRTC , R0384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 LPBRG

PLOT DATE 13-MAY-85 10:12:00

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.08e -3.75, 25.60 e 60.00

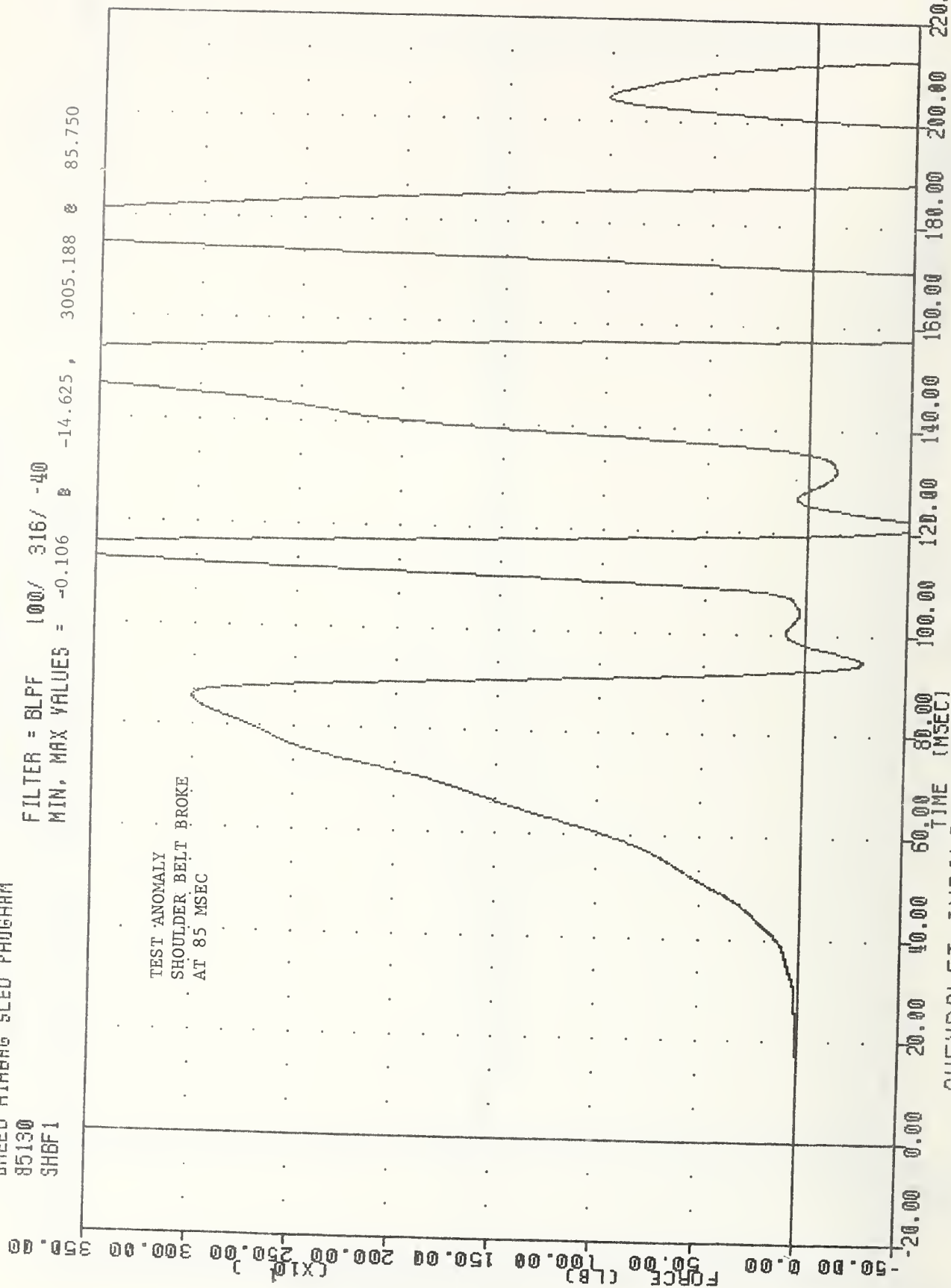


VRTC , R0384-4-29
BREED AIRBAG SLED PROGRAM
85130
SHBF1

PLOT DATE 14-MAY-85 11:25:56

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.106 @ -14.625 , 3005.188 @ 85.750



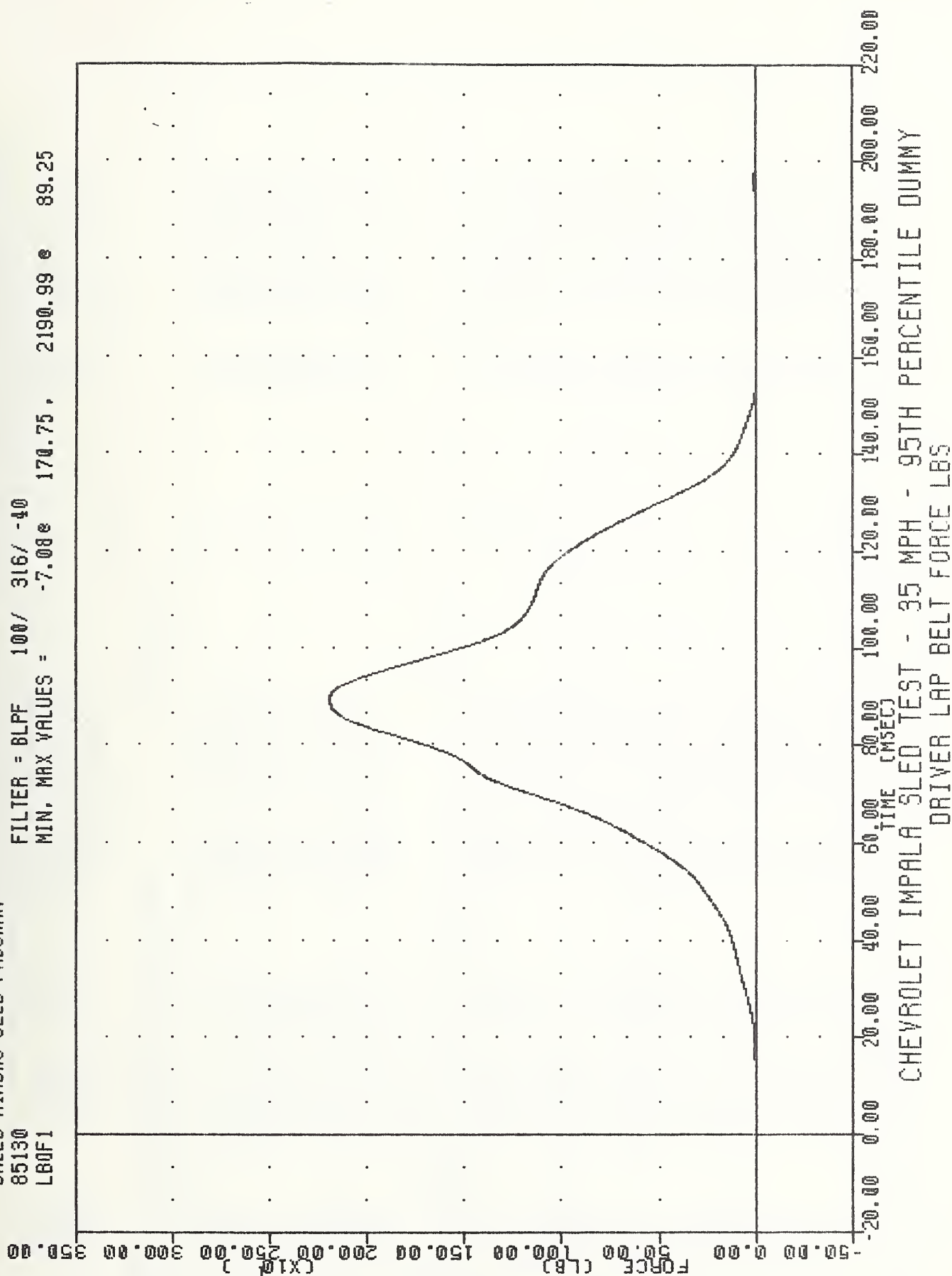
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

YRTC , RD384-4-29
 BREED AIRBAG SLED PROGRAM
 85130
 LB0F1

PLOT DATE 14-MAY-85 11:25:56

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -7.08e 170.75, 2190.99 e 89.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

TRC437P. RAD; 2
VRTC
RD384-4-30 BREED AIRBAG SLED PROGRAM
35.00 mph
16-MAY-85 16:09
85133

		Min value	Max value	Data Units	Filter
1	EVENT	0.059 @ 108.750	1.626 @ -3.625 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.147 @ 125.375	0.162 @ -6.250 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.654 @ 57.125	1.521 @ 129.625 msec	g	BLPF 100/ 316/ -40
4	HEDYG1	-51.885 @ 118.750	11.476 @ 182.750 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-5.139 @ 97.625	2.155 @ 160.000 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-29.800 @ 124.875	54.816 @ 132.500 msec	g	ALPF 1650/ 5214/ -40
7	CSTYG1	-53.341 @ 117.500	4.135 @ 209.000 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-5.606 @ 90.750	1.543 @ 106.250 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-11.607 @ 113.375	9.306 @ 99.000 msec	g	BLPF 300/ 949/ -40
10	PEVYG1	-51.750 @ 86.000	3.871 @ 138.000 msec	g	BLPF 300/ 949/ -40
11	PEVYG1	-6.641 @ 102.375	7.456 @ 97.000 msec	g	BLPF 300/ 949/ -40
12	PEVZG1	-19.372 @ 105.750	2.434 @ 208.000 msec	g	BLPF 1000/ 3162/ -40
13	LFME1	-1545.694 @ 89.375	150.110 @ 197.375 msec	lb	BLPF 1000/ 3162/ -40
14	RFME1	-1746.901 @ 84.000	65.262 @ 192.375 msec	lb	BLPF 100/ 316/ -40
15	STHPG	-146.253 @ 109.875	54.826 @ 92.000 msec	g	BLPF 100/ 316/ -40
16	STHIG	-22.545 @ 112.250	27.772 @ 105.625 msec	g	BLPF 100/ 316/ -40
17	STHIG	-24.052 @ 59.875	49.436 @ 109.875 msec	g	BLPF 100/ 316/ -40
18	LPBVG	-25.459 @ 60.125	1.748 @ 131.125 msec	g	BLPF 100/ 316/ -40
19	LPBVG	-1.808 @ 57.125	2.369 @ 105.750 msec	g	BLPF 100/ 316/ -40
20	LPBZG	-1.510 @ 131.500	1.752 @ 64.500 msec	g	ALPF 1650/ 5214/ -40
21	ABTP	-0.656 @ 94.125	0.837 @ 62.875 msec	psig	ALPF 1650/ 5214/ -40
22	ABT1	-2.868 @ 62.875	0.002 @ -16.250 msec	volt	ALPF 1650/ 5214/ -40
23	ABT2	-3.320 @ 29.500	0.002 @ -16.875 msec	volt	ALPF 1650/ 5214/ -40
24	ABT3	-0.028 @ 7.625	2.321 @ 195.625 msec	volt	ALPF 1650/ 5214/ -40
25	ABT4	-0.064 @ 0.250	2.616 @ 61.625 msec	volt	ALPF 1650/ 5214/ -40

TRC437P. RAD; 1
VRTC
RD384-4-30 BREED AIRBAG SLED PROGRAM
35.00 mph
14-MAY-85 10:15
85133

		Min value	Max value	Data Units	Filter
1	HEDXV1	-45.114 @ 180.625	0.577 @ 50.000 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-57.474 @ 220.000	0.269 @ 71.125 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-45.727 @ 148.375	-0.138 @ -16.750 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-63.366 @ 220.000	-0.072 @ -20.000 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-37.671 @ 135.000	0.210 @ -8.125 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-57.768 @ 220.000	0.206 @ 25.375 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-37.933 @ 122.375	-0.007 @ -15.750 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-71.221 @ 220.000	-0.004 @ -20.000 msec	in	BLPF 300/ 949/ -40
9	STHPV	-35.902 @ 154.875	-0.062 @ -15.875 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-61.558 @ 220.000	-0.043 @ -20.000 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-37.060 @ 123.875	0.022 @ -14.750 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-68.434 @ 220.000	0.001 @ -8.500 msec	in	BLPF 300/ 949/ -40

TRC437RP. RAD; 1
VRTC
RD384-4-30 BREED AIRBAG SLED PROGRAM
35.00 mph
14-MAY-85 10:15
85133

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.035 @ -4.250	56.493 @ 132.500 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.026 @ -6.125	53.595 @ 117.375 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.027 @ 5.375	53.237 @ 86.000 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.096 @ -12.125	154.537 @ 109.875 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.130 @ 3.375	25.465 @ 60.125 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC437RP.RAD;1
VRTC RD384-4-30 BREED AIRBAG SLED PROGRAM
85133 35.00 mph

* * * HIC computation for HEDRG1 14-MAY-85 11:10
Using time range = 0.000 to 150.500 msec Peak accel = 56.49 @ 132.500
HIC = 337.87 Interval from 75.500 [765] to 133.500 [1259]
HIC = 155.82 Interval from 112.875 [1064] to 126.625 [1174]

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

Enter input filespec -> TRC437RP

File TRC437RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-30 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC437RP.RAD;1 VRTC RD384-4-30
BREED AIRBAG SLED PROGRAM 35.0 mph 85133 14-MAY-85 12:52:49
Deltax: 0.125

3 MS CLIP PEAK: 50.83771

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

Enter channel name -> ^Z

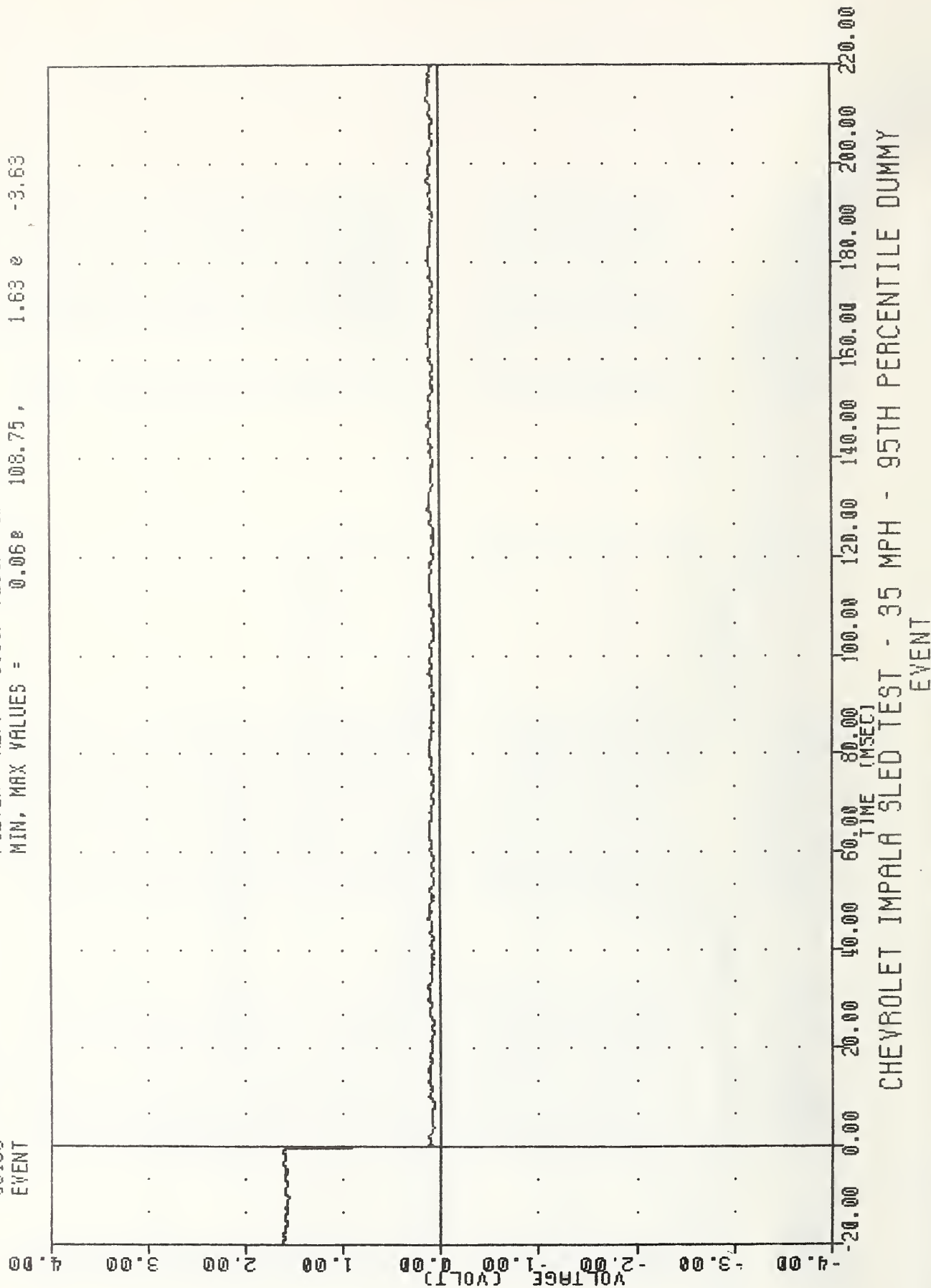
Enter input filespec -> ^Z
\$

VRTC , R0304-4-30
BREED AIRBAG SLED PROGRAM
85133
EVENT

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.068 108.75, 1.63 e -3.63

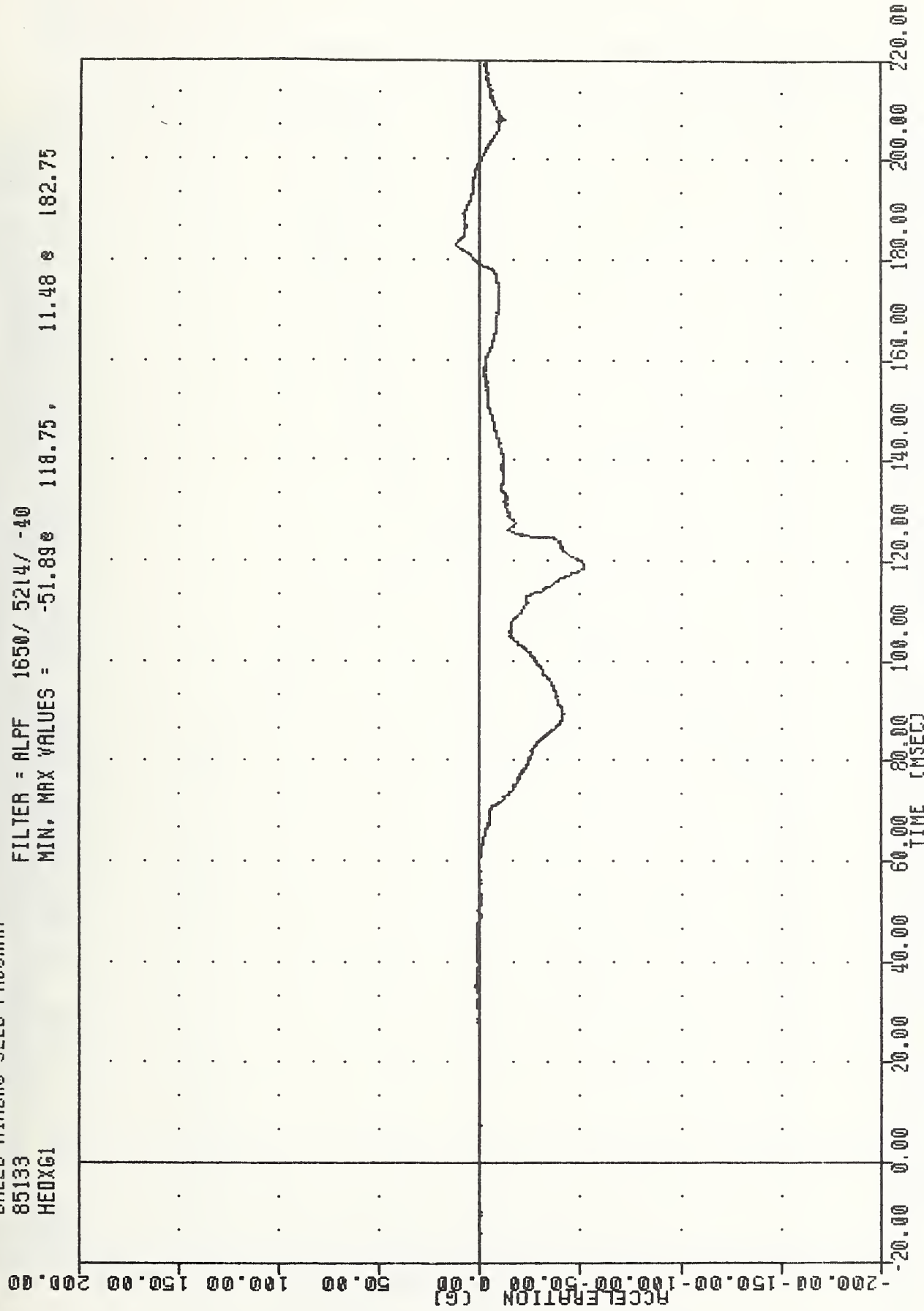


VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
HEDXG1

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -51.89g 118.75, 11.48 g 182.75



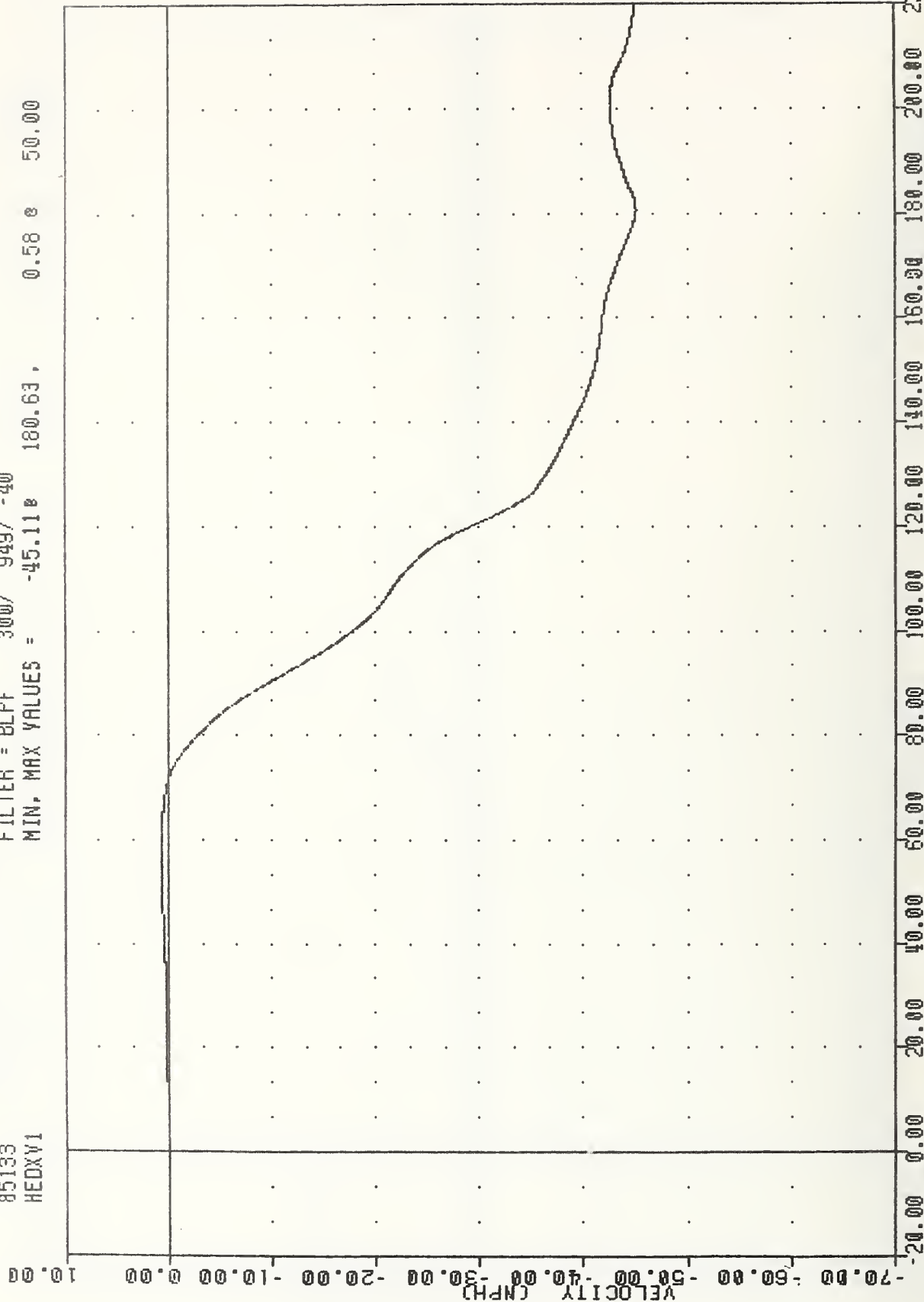
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , R0384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 HEDXV1

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -45.11 180.63, 0.58 50.00

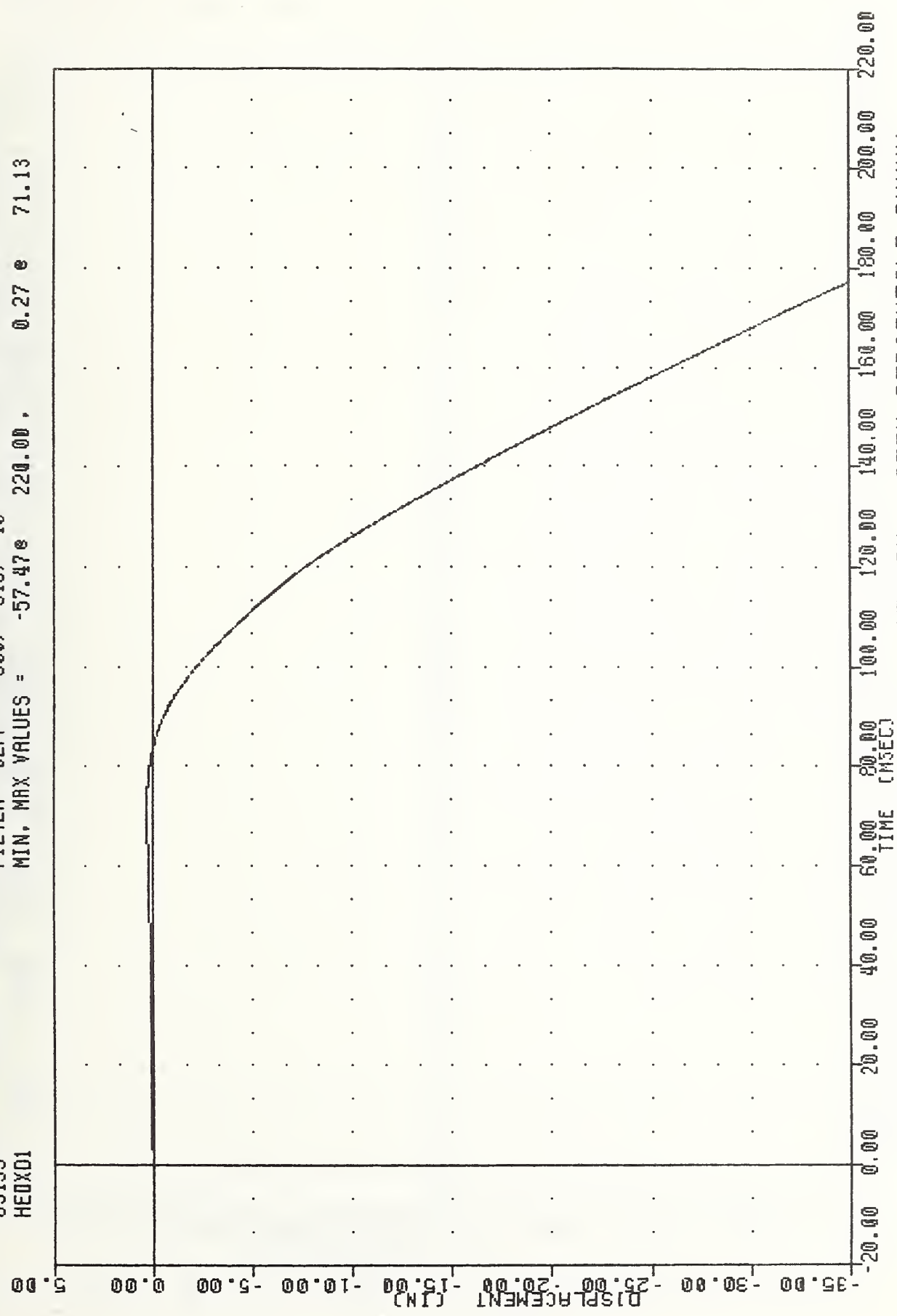


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING HEDXG1

VRIC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 HEDX01

PLOT DATE 14-MAY-85 12:50:17

FILTER = 8LPF 300/ 949/ -40
 MIN, MAX VALUES = -57.47e 220.00, 0.27 e 71.13



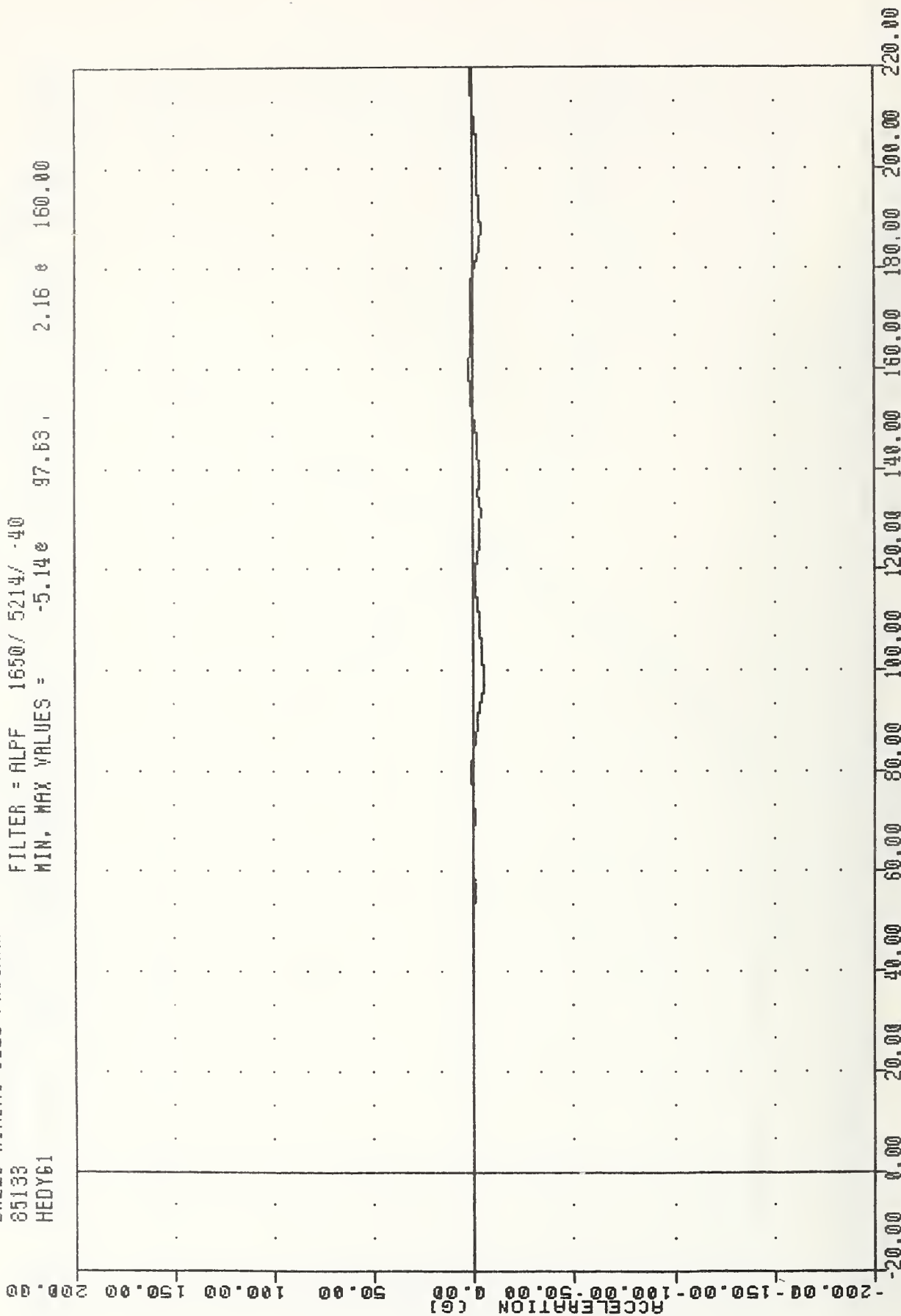
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING HEDXV1

VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 HEDY61

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -5.14e 97.53 , 2.16 e 150.00



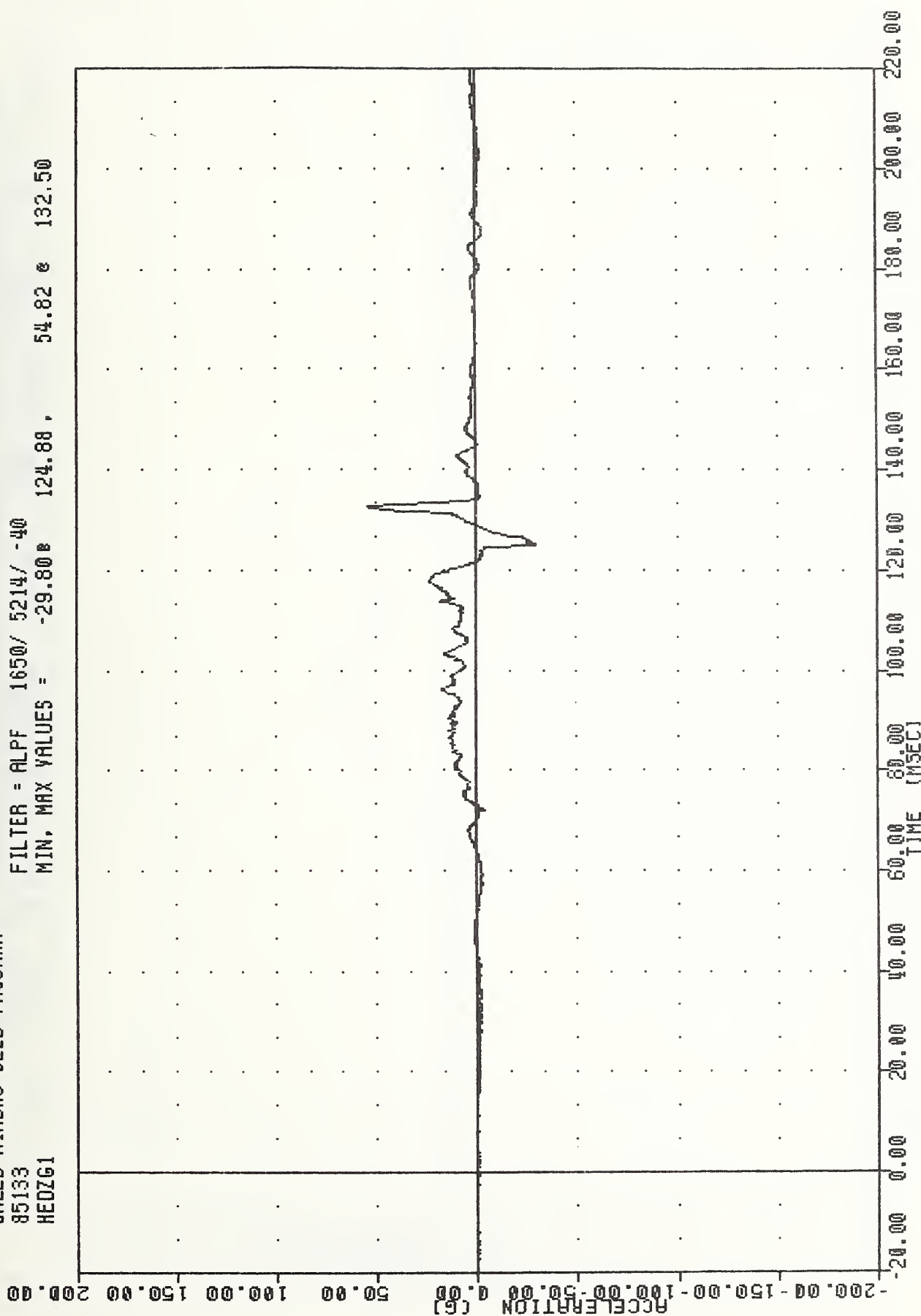
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
HEDZG1

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -29.808 124.88 , 54.82 @ 132.50



VRIC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 CSTXG1

PLOT DATE 14-MAY-85 12:48:49

FILTER = 8LPF 300/ 949/ -40
 MIN. MAX VALUES = -53.348 117.50 , 4.13 e 209.00

100.00

75.00

50.00

25.00

0.00

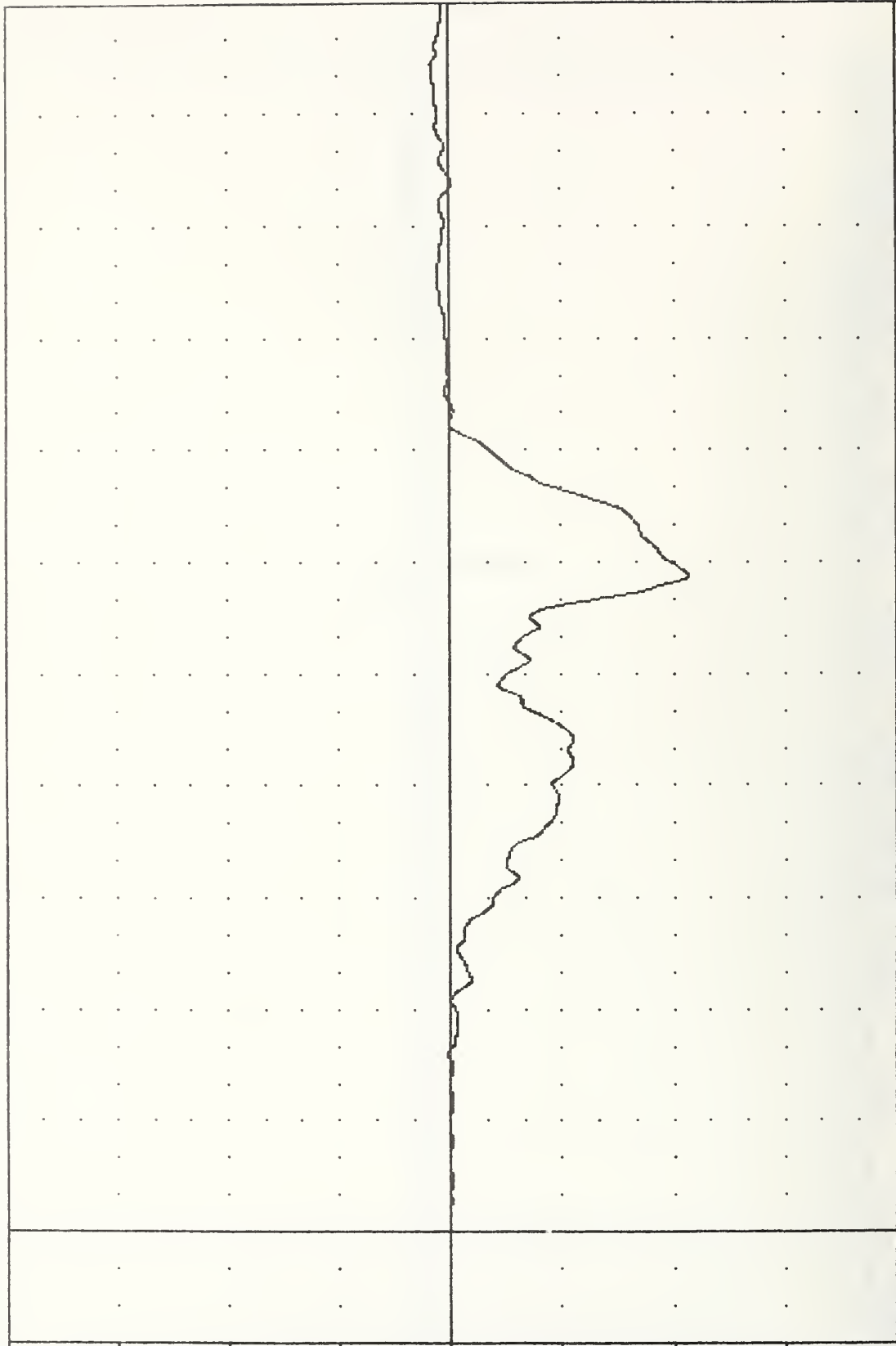
-25.00

-50.00

-75.00

-100.00

ACCELERATION (G)



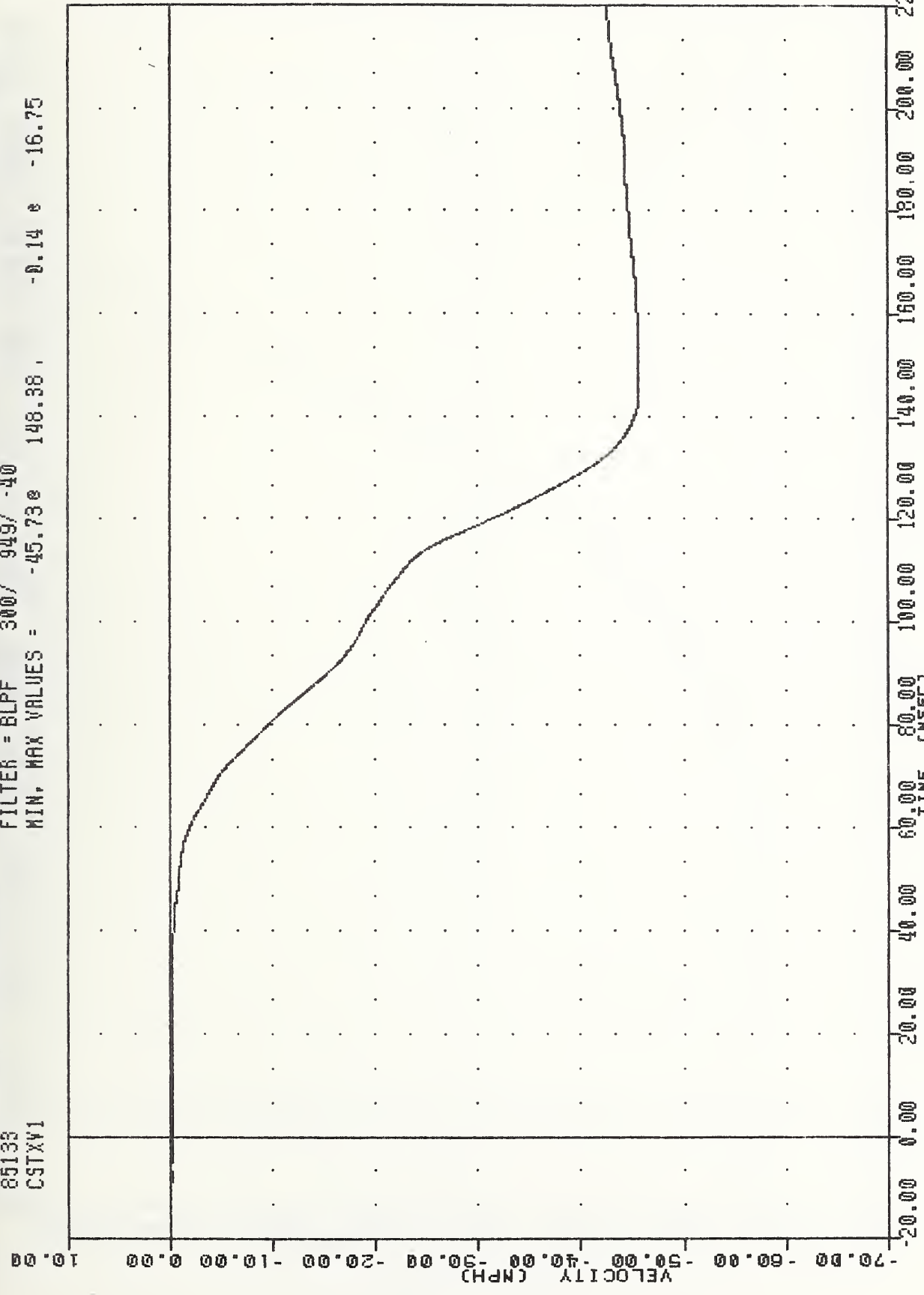
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
CSTXV1

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -45.73e 148.38 , -0.14 e -16.75



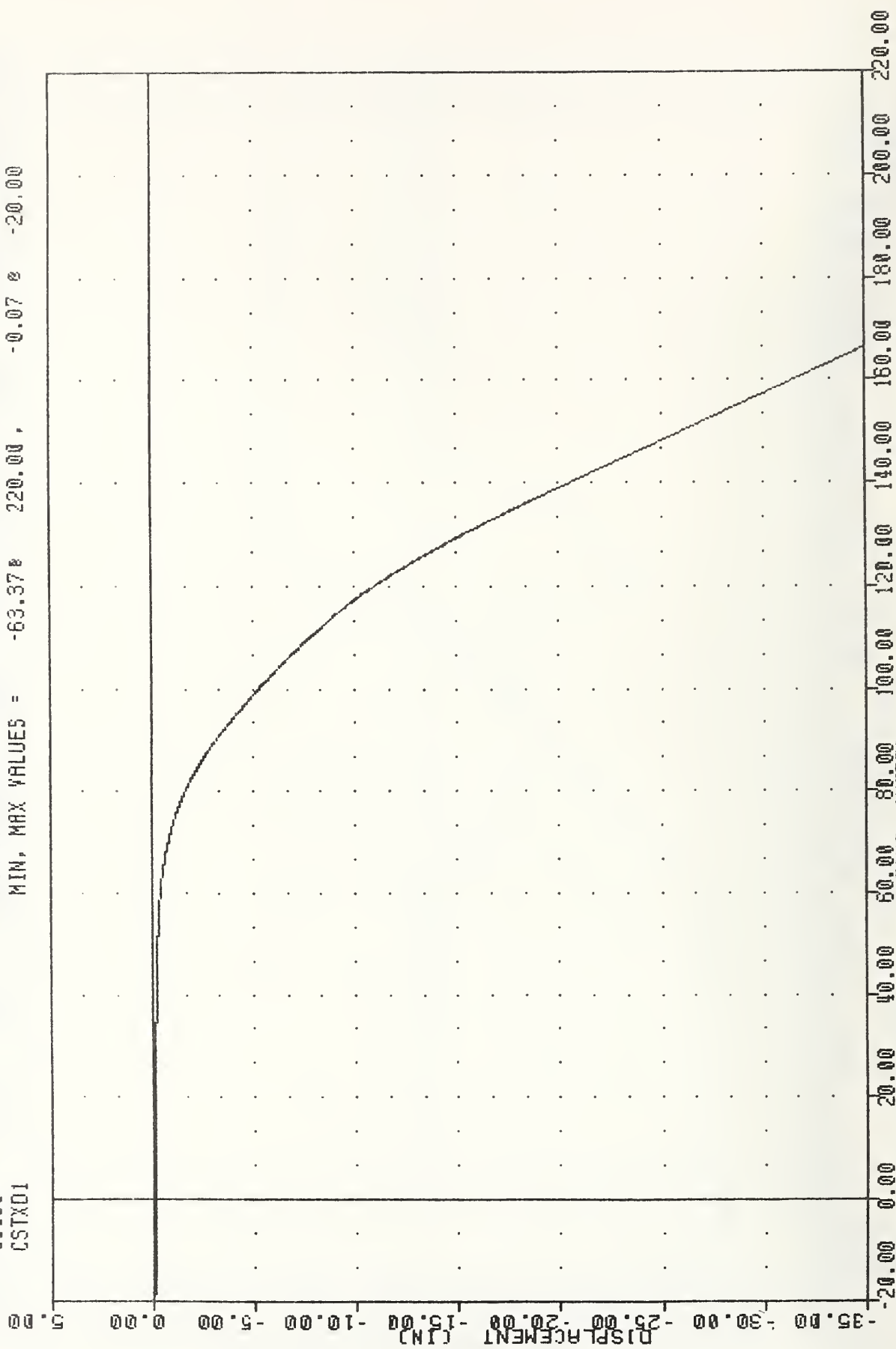
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC , R0384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 CSTXD1

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -63.37% 220.00, -0.07% -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

VRIC , RD384-4-30 PLOT DATE 14-MAY-85 12:48:49

BREED AIRBAG SLED PROGRAM

85133

FILTER = BLPF 300/ 949/ -40

CSTY61

MIN. MAX VALUES = -5.61e 90.75, 1.54 e 106.25

100.00

75.00

50.00

25.00

0.00

-25.00

-50.00

-75.00

-100.00

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 (NSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

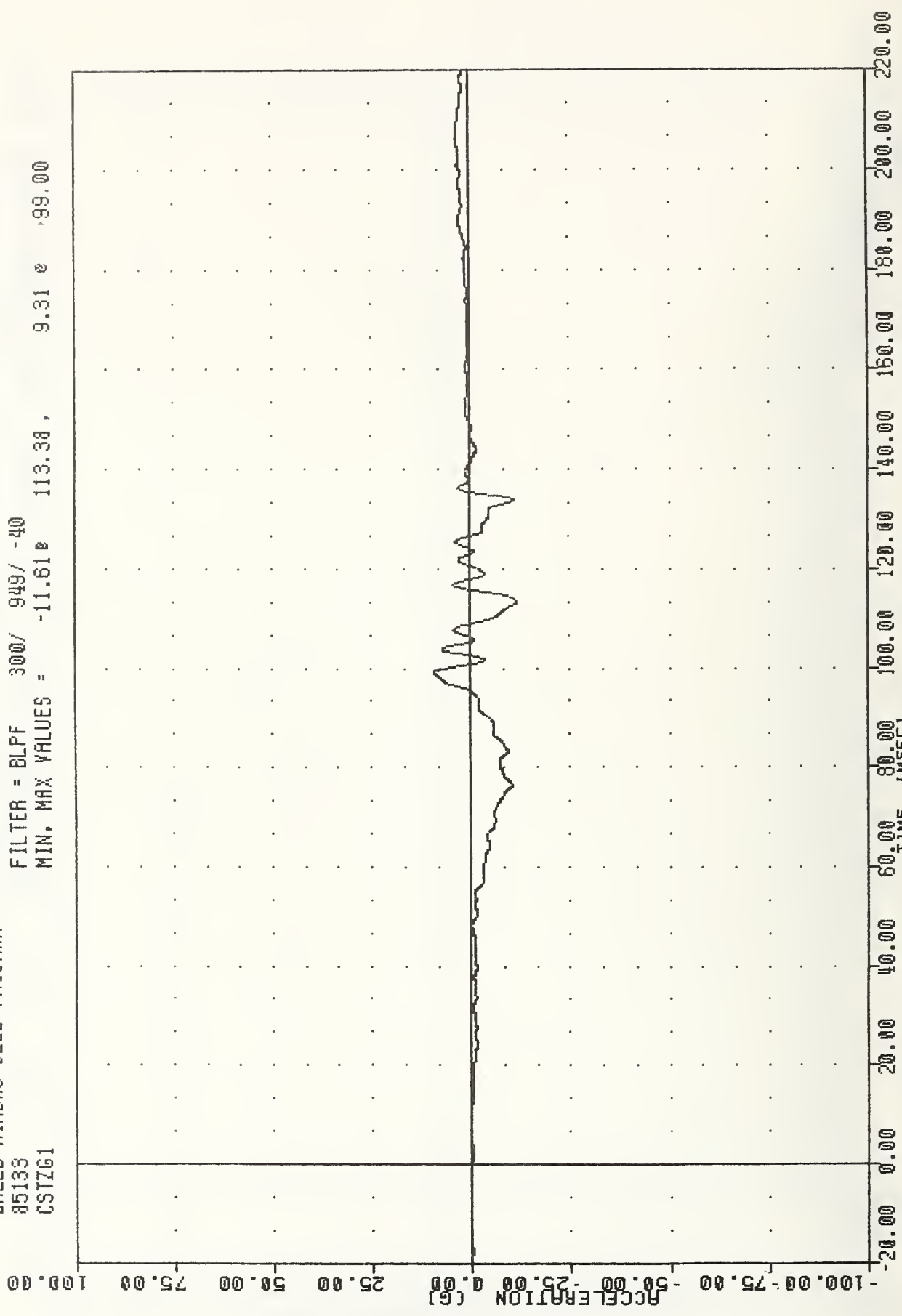
DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 CSTZG1

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 300/ 949/ -40

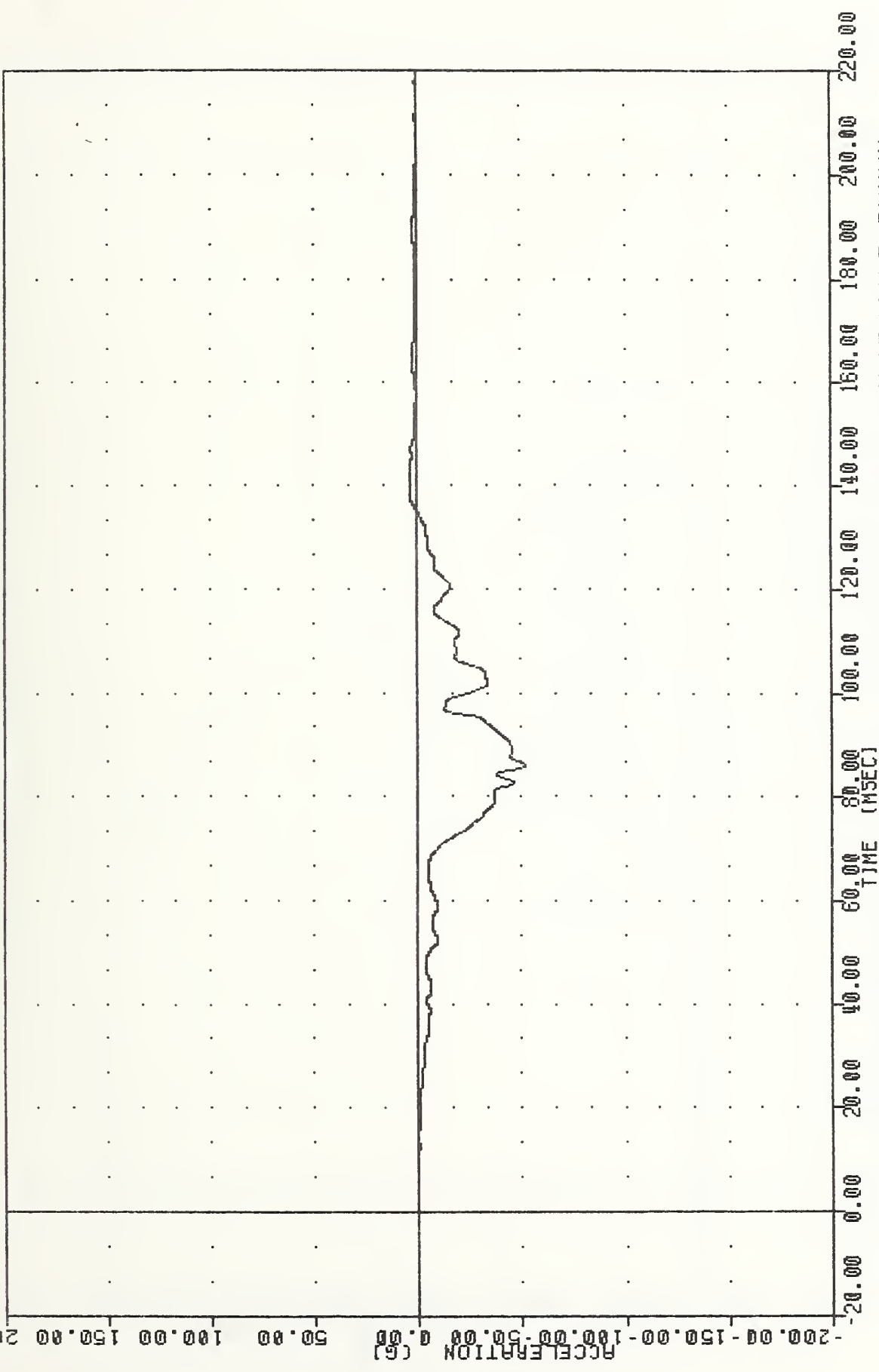
MIN, MAX VALUES = -11.61g 113.38 , 9.31 g 99.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-30
BRAED AIRBAG SLED PROGRAM
85133
PEVX61

PLOT DATE 14-MAY-85 12:48:49
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -51.75e 86.00 , 3.87 e 138.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

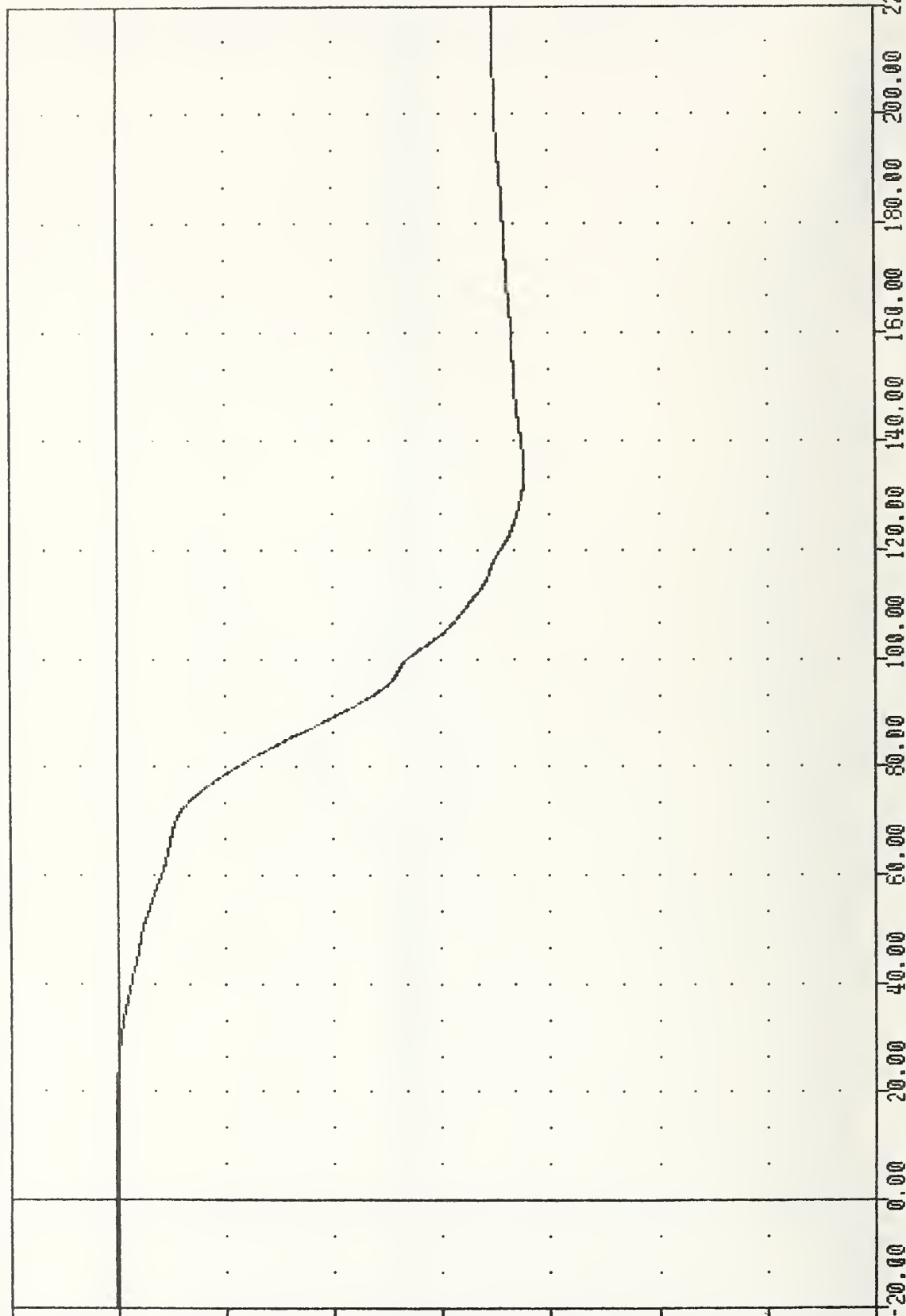
VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 PEVXV1

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.67e 135.00, 0.21 e -8.13

VELOCITY (MPH)



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
PEVXD1

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -57.77° 220.00 , 0.21 ° 25.38

DISPLACEMENT (IN)

TIME (MSEC)

-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 - 35 MPH - 95TH PERCENTILE DUMMY

DELTA X USING PEVXV1

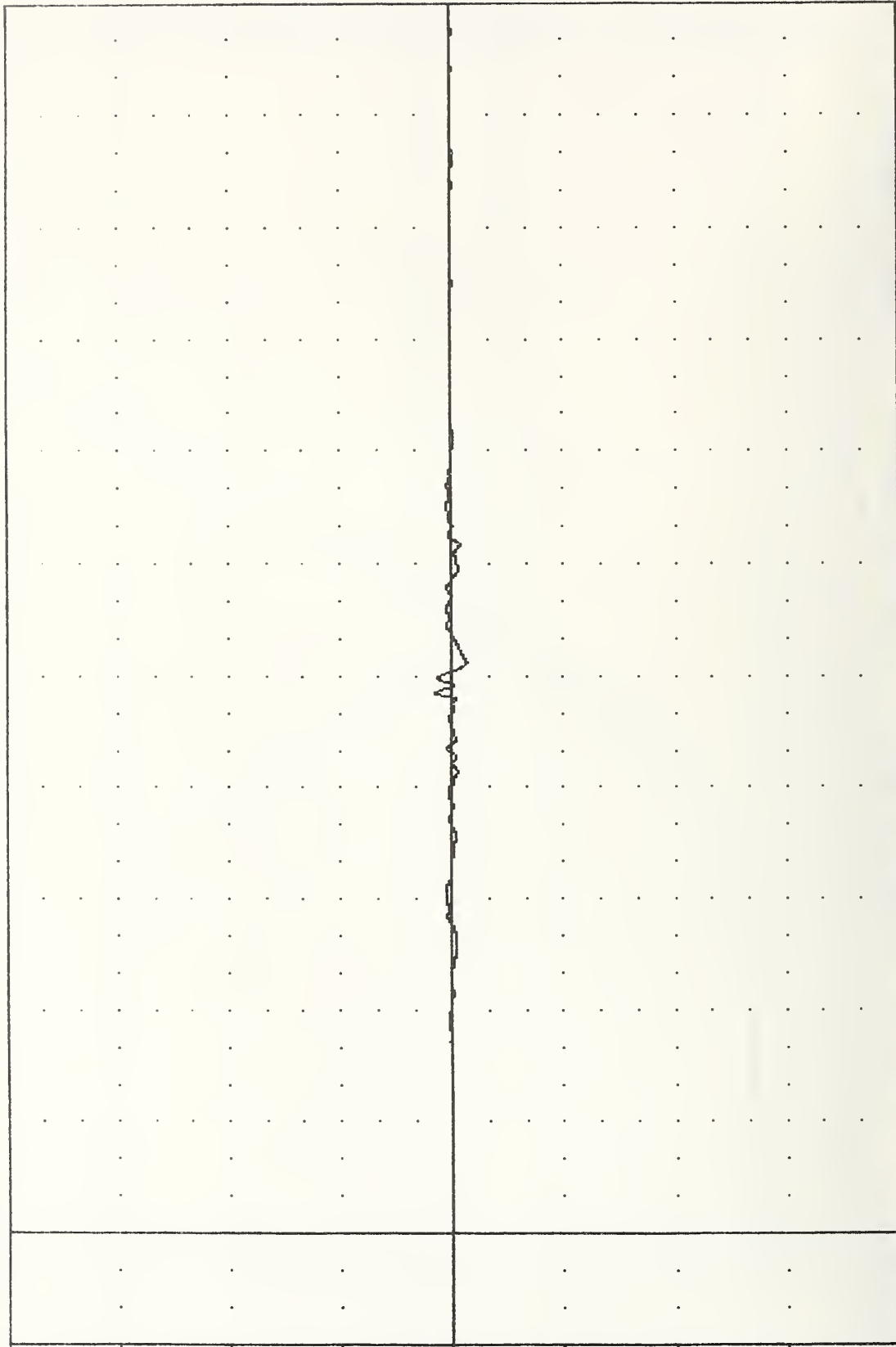
VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 PEYVG1

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.64e 102.36 , 7.46 e 97.00

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

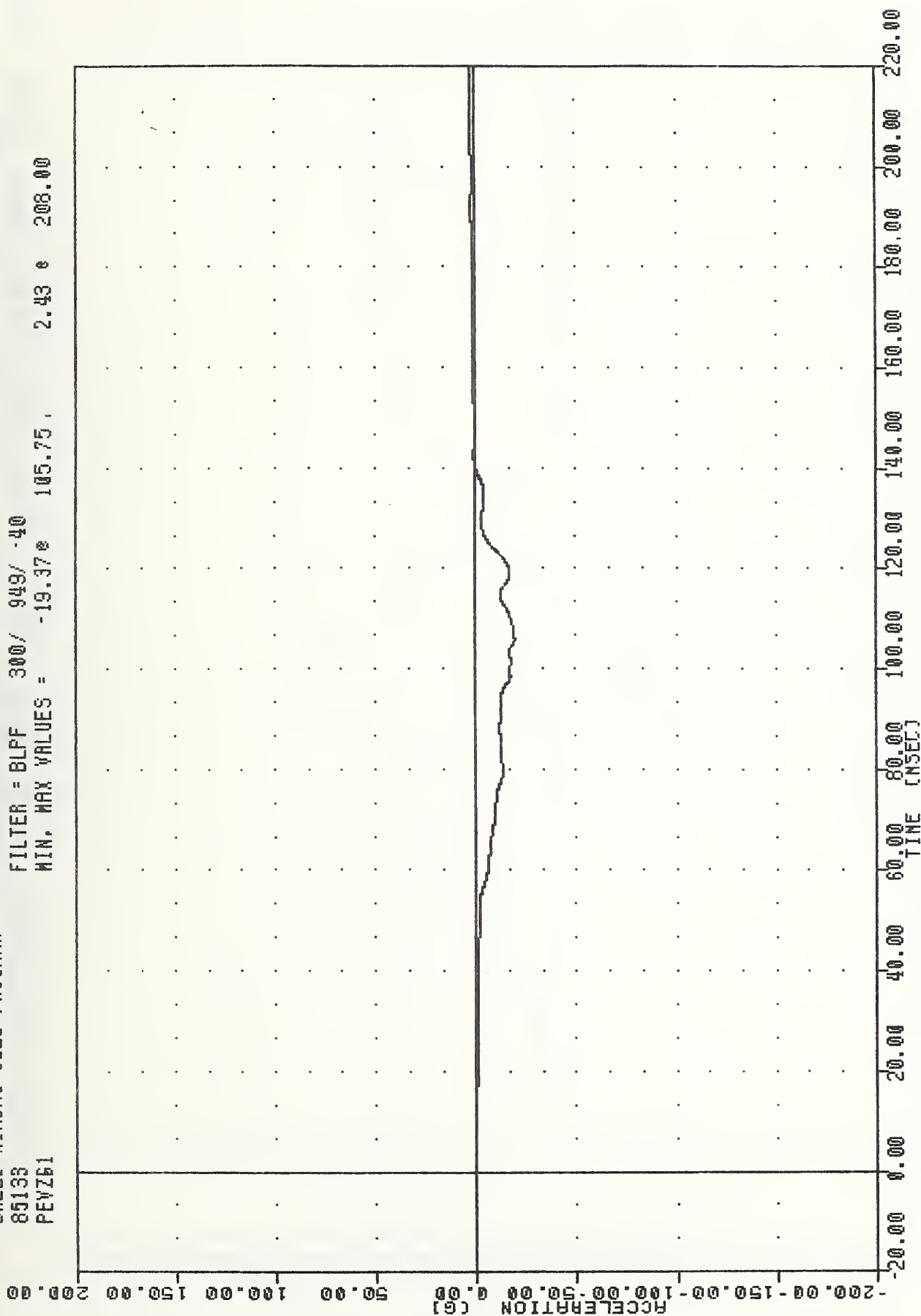
TIME (msec)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

VATC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
PEYZ61

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -19.37e 105.75 , 2.43 e 208.00

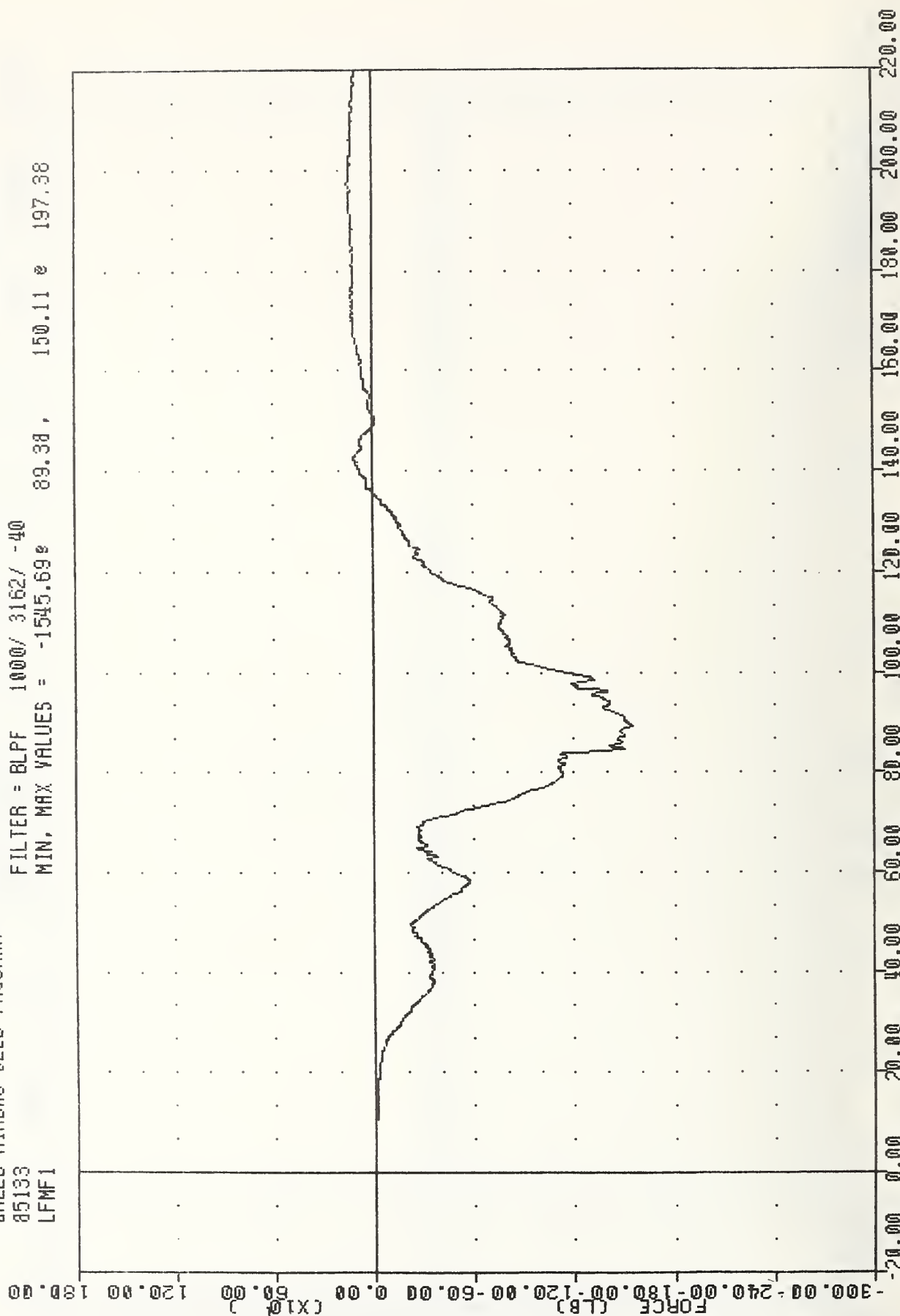


VRTC , R0384-4-30
BREED AIRBAG SLED PROGRAM
85133
LFMF1

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -1545.69% 89.38 , 150.11 e 197.38

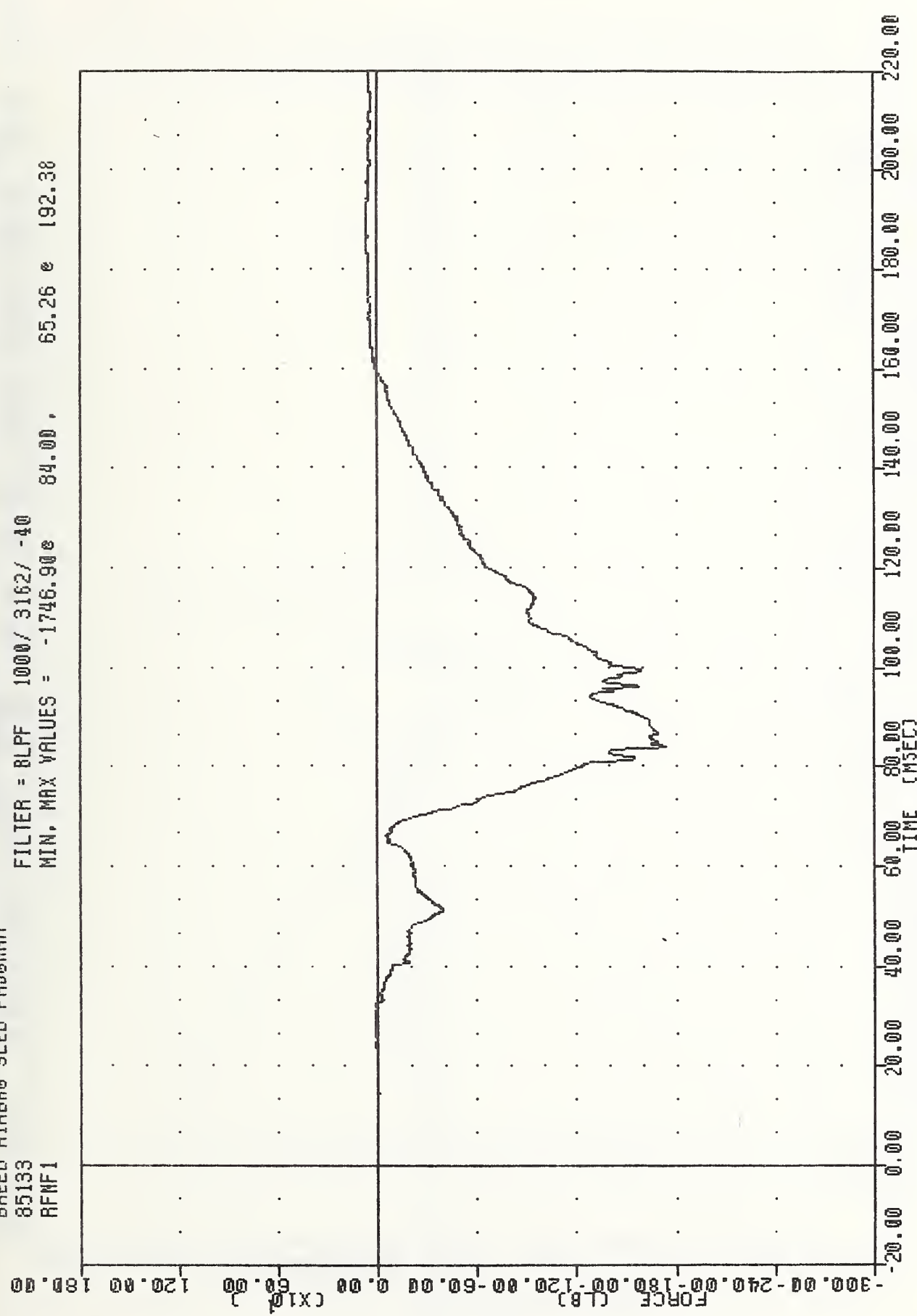


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 RFMF1

PLOT DATE 14-MAY-85 12:48:49

FILTER = 8LPF 1000/ 3162/ -40
 MIN, MAX VALUES = -1746.90e 84.00, 65.26 e 192.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

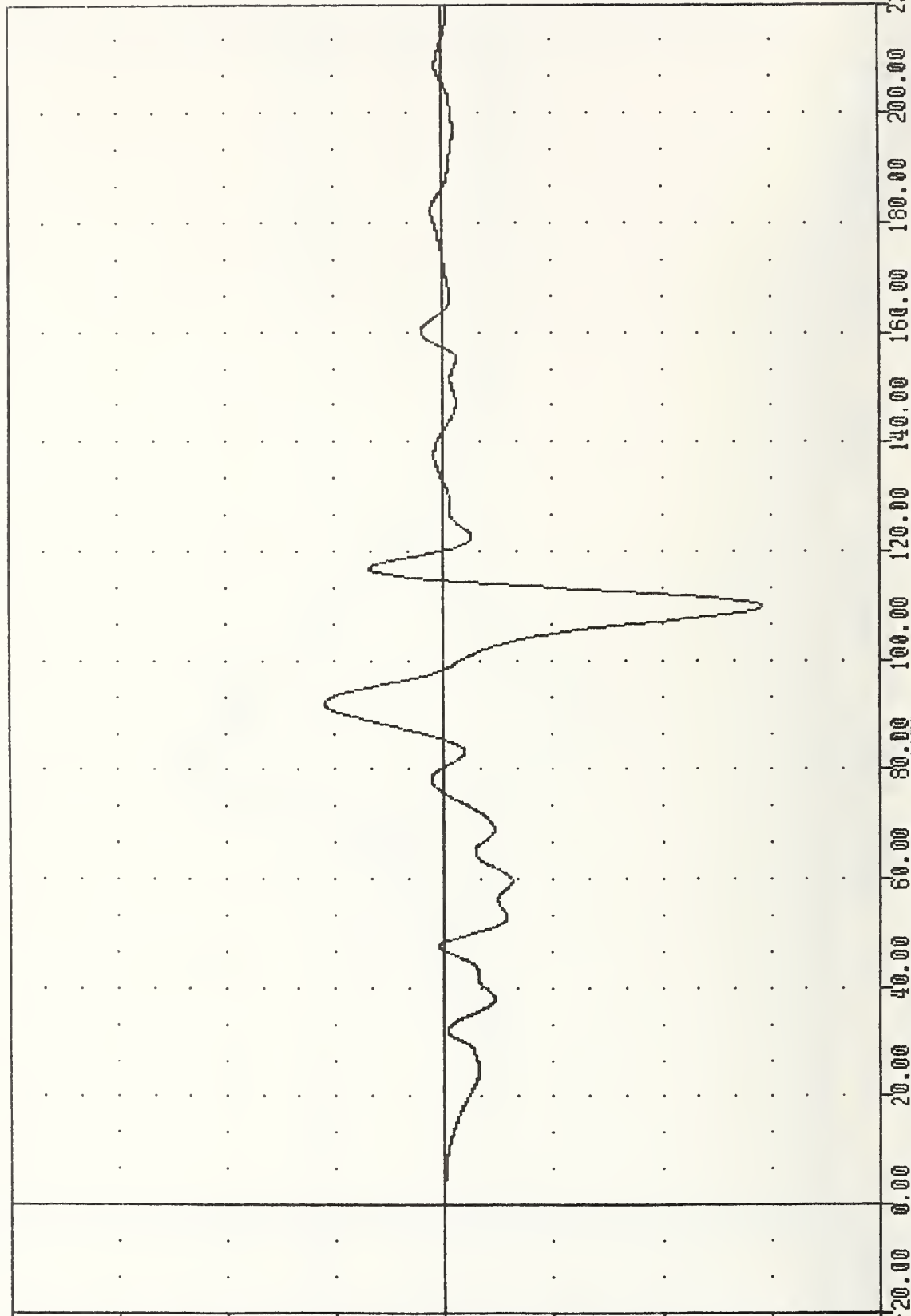
VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
STHPG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF
MIN, MAX VALUES =

100/ 316/ -40
-146.25e 109.88 , 54.83 e 92.00

ACCELERATION (G)

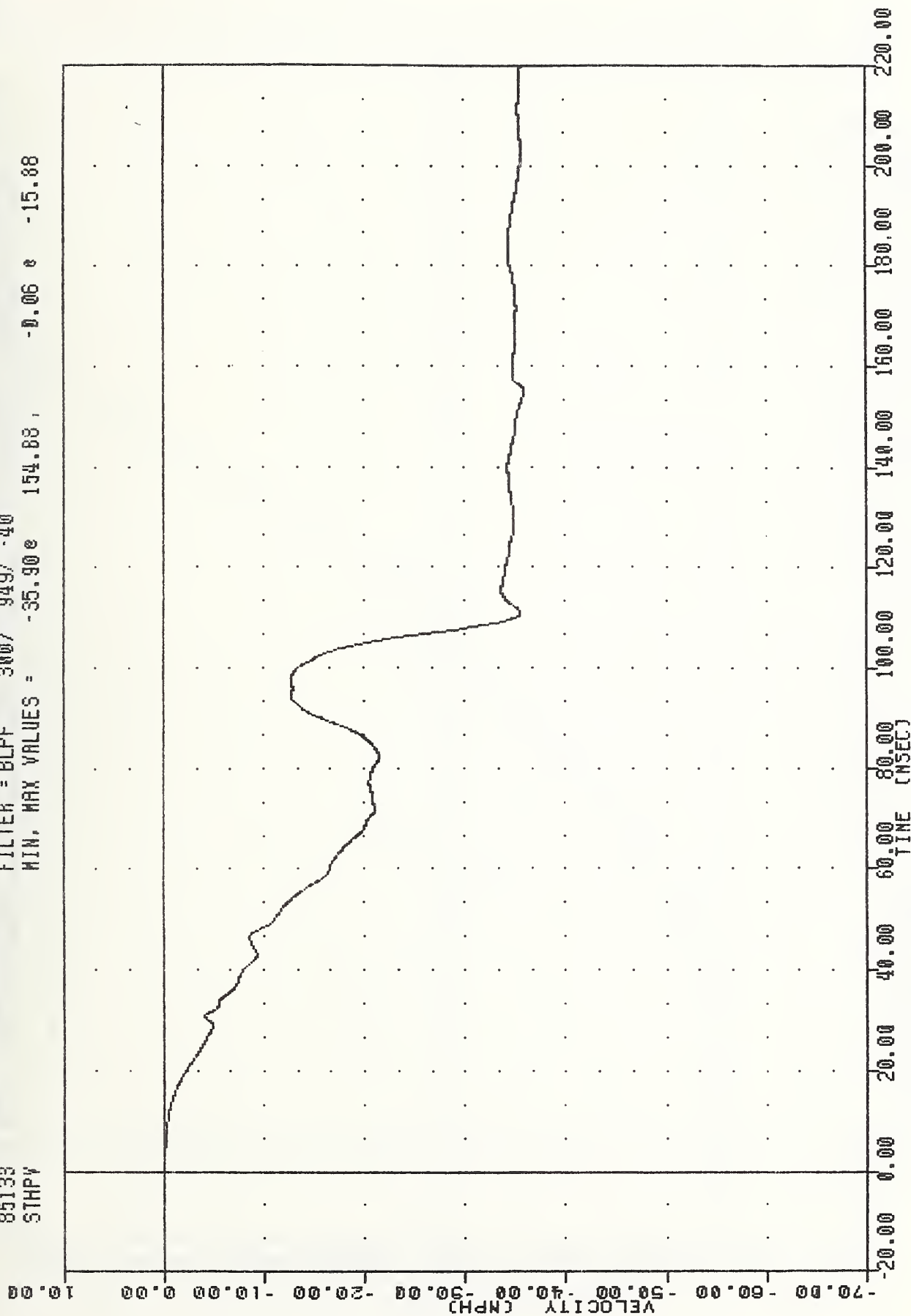


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VATC RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 STHPW

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -35.90e 154.88 , -0.06 e -15.88



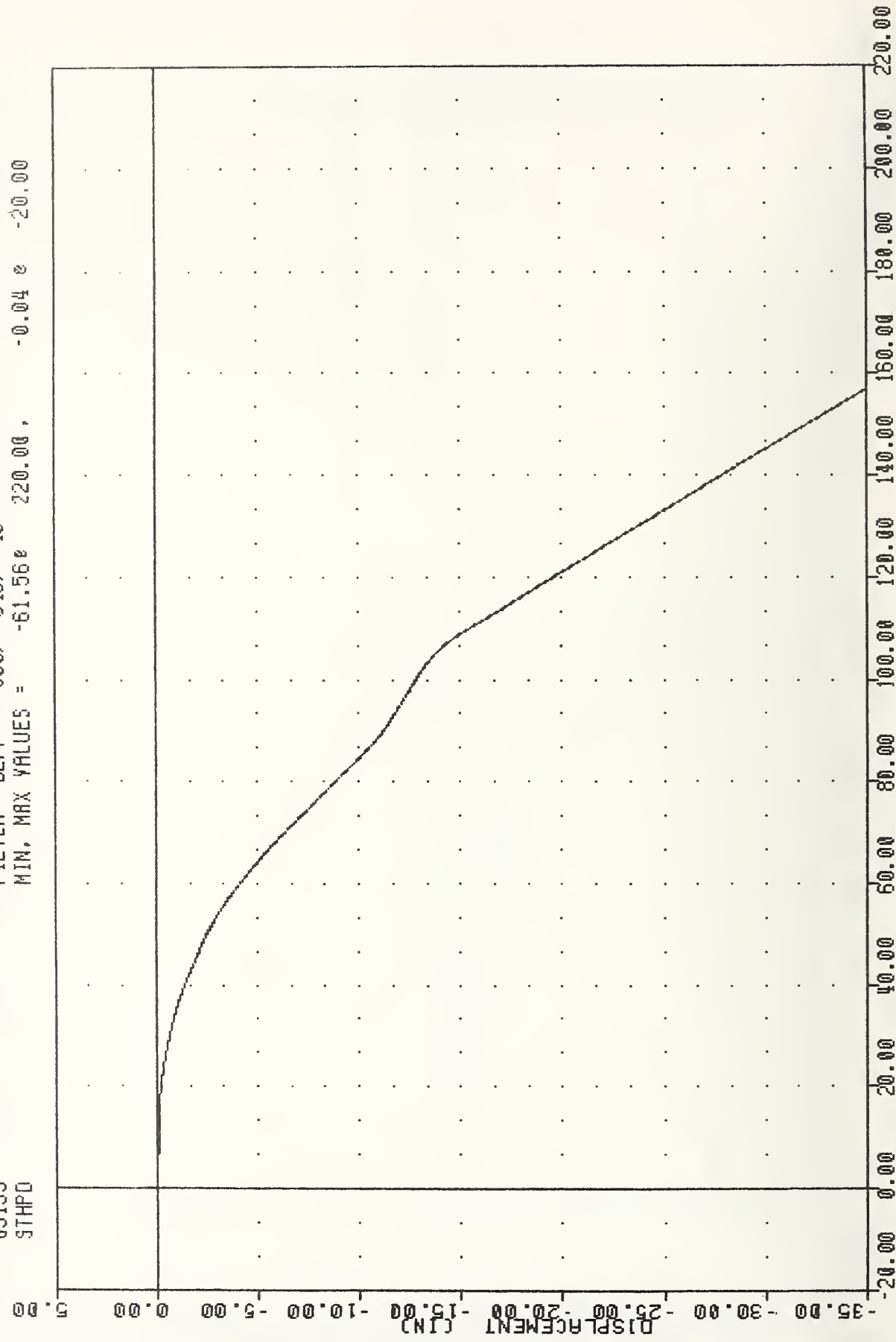
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING STHPG

VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 STHPD

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -61.56e 220.00 , -0.04 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING STHPV

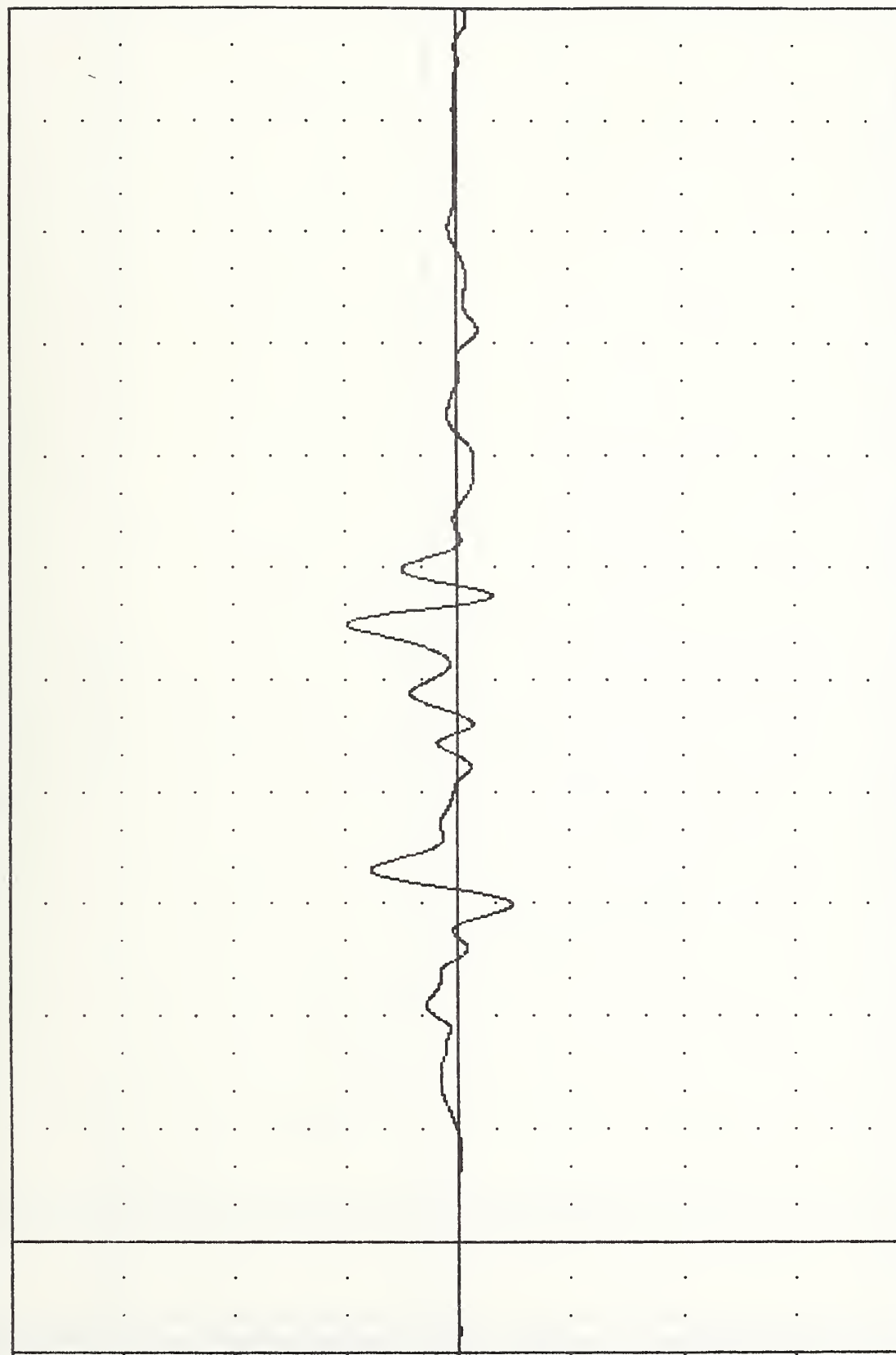
YATC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
STH16

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -24.05e 59.88 , 49.44 e 109.88

ACCELERATION (G)



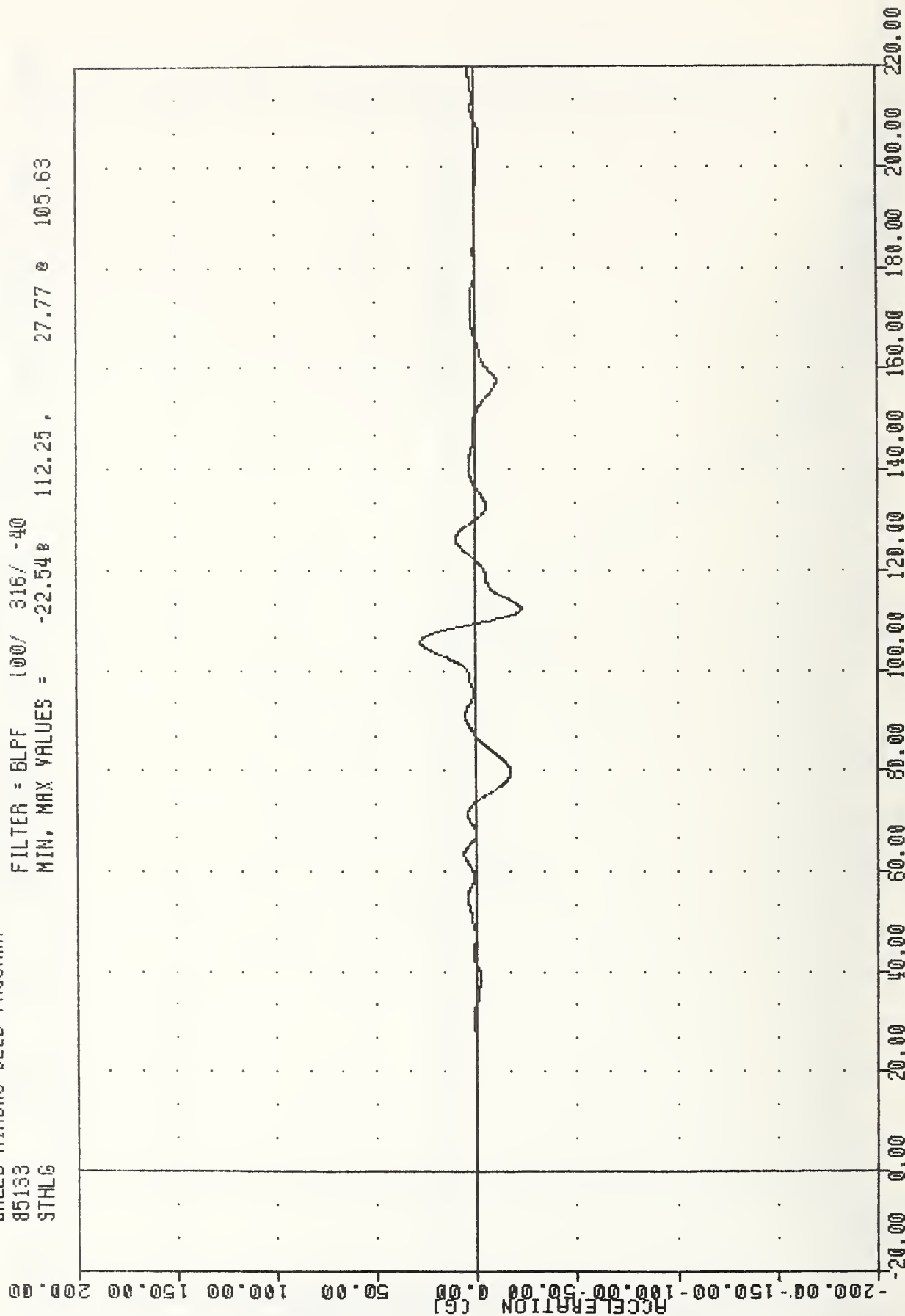
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC , R0384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 STHLG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -22.54 112.25, 27.77 105.63

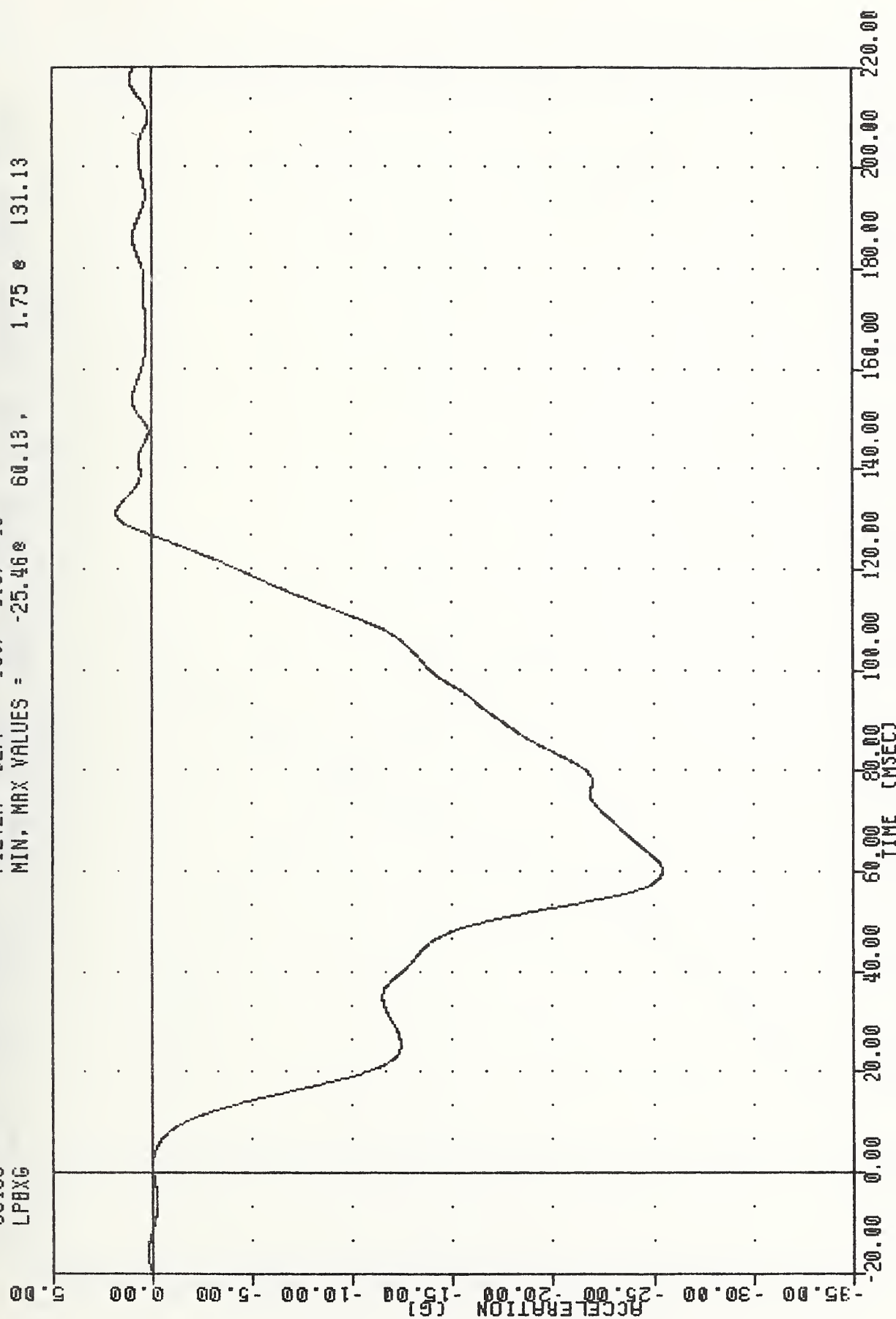


VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
LPBXG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.46e 60.13, 1.75 e 131.13



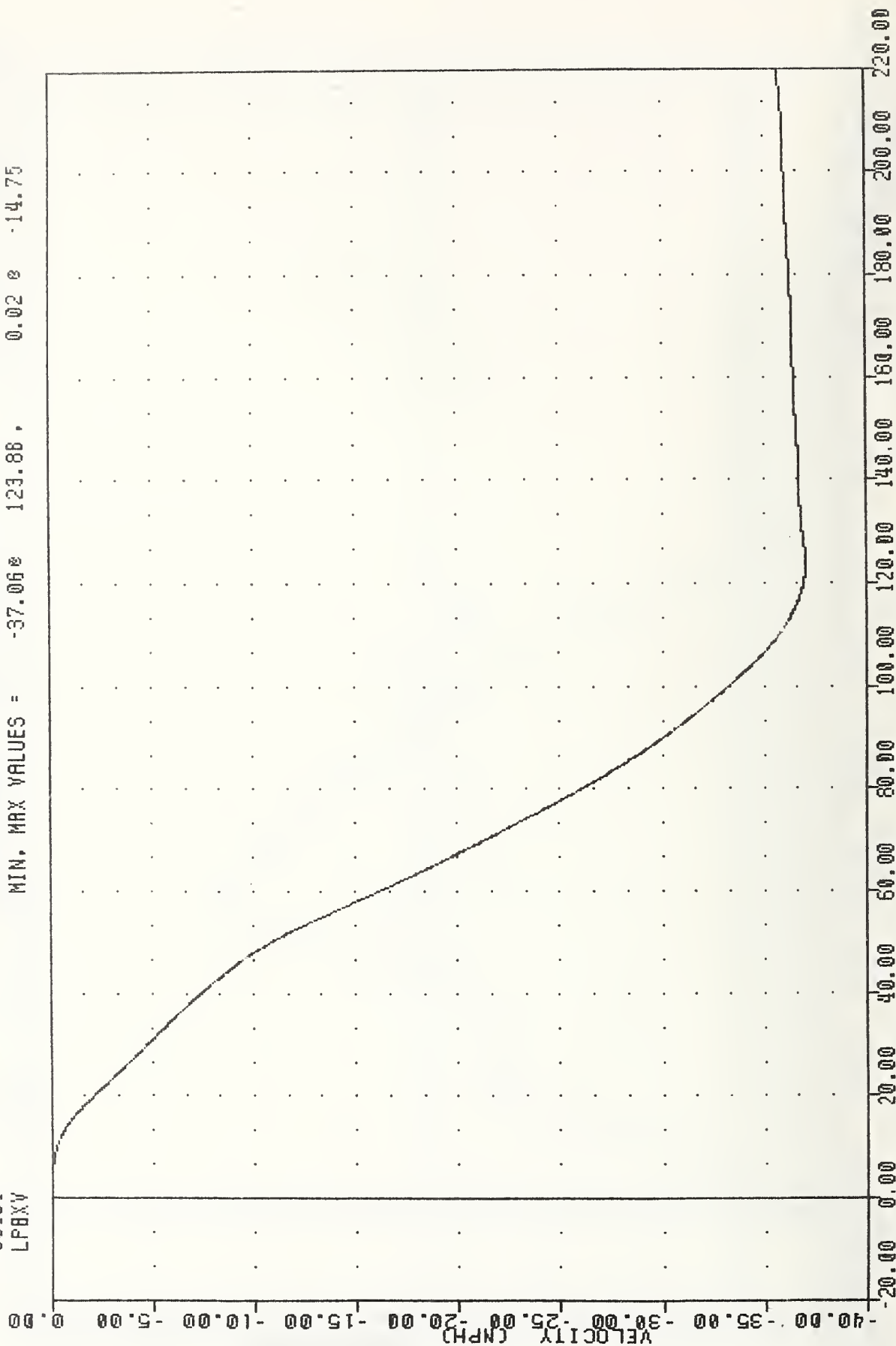
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD364-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 LPBXV

PLOT DATE 14-MAY-85 12:50:17

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -37.06e 123.88, 0.02 e -14.75



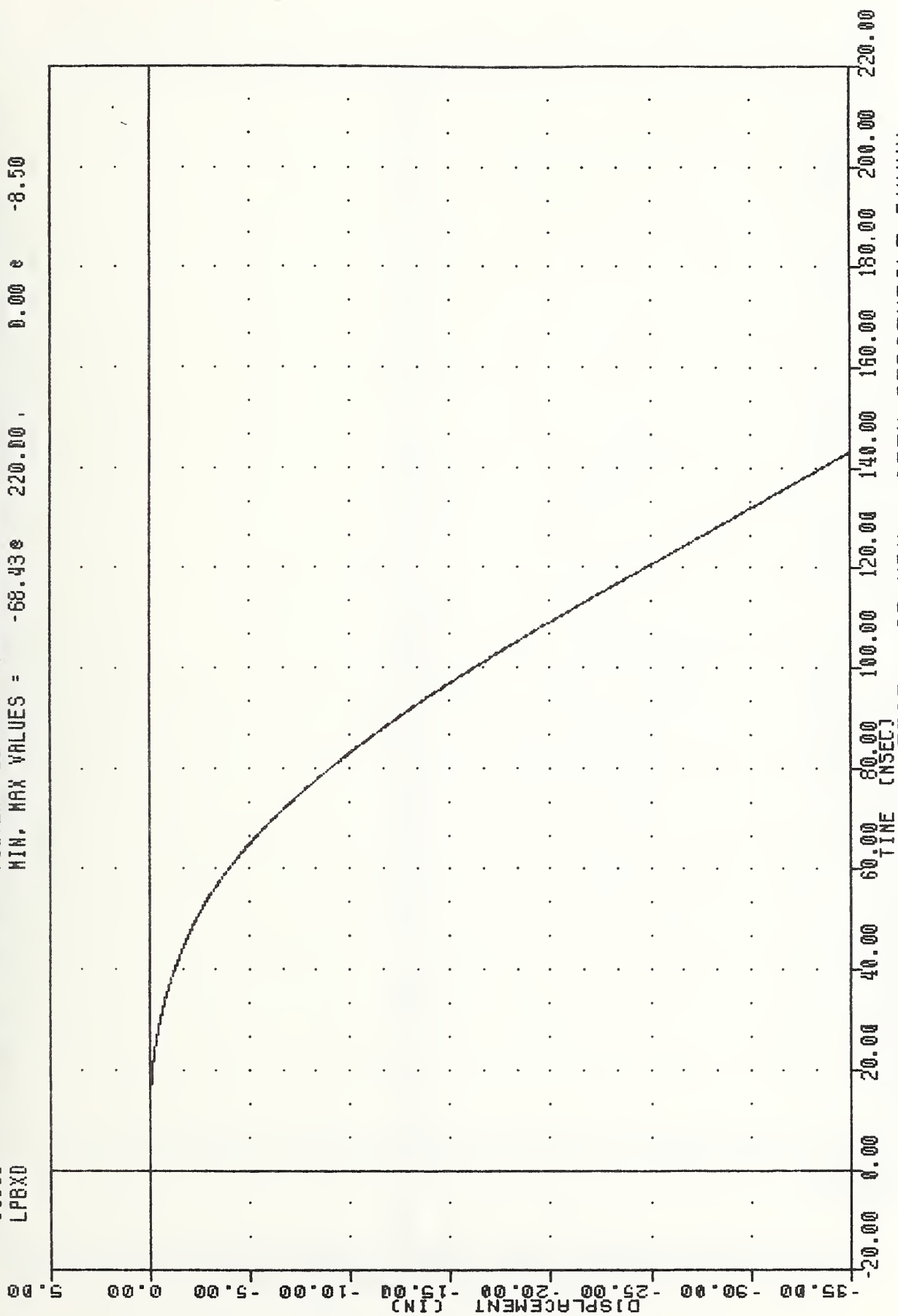
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING LPBXG

VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 LPBXD

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -68.43e 220.00 , 0.00 e -8.50



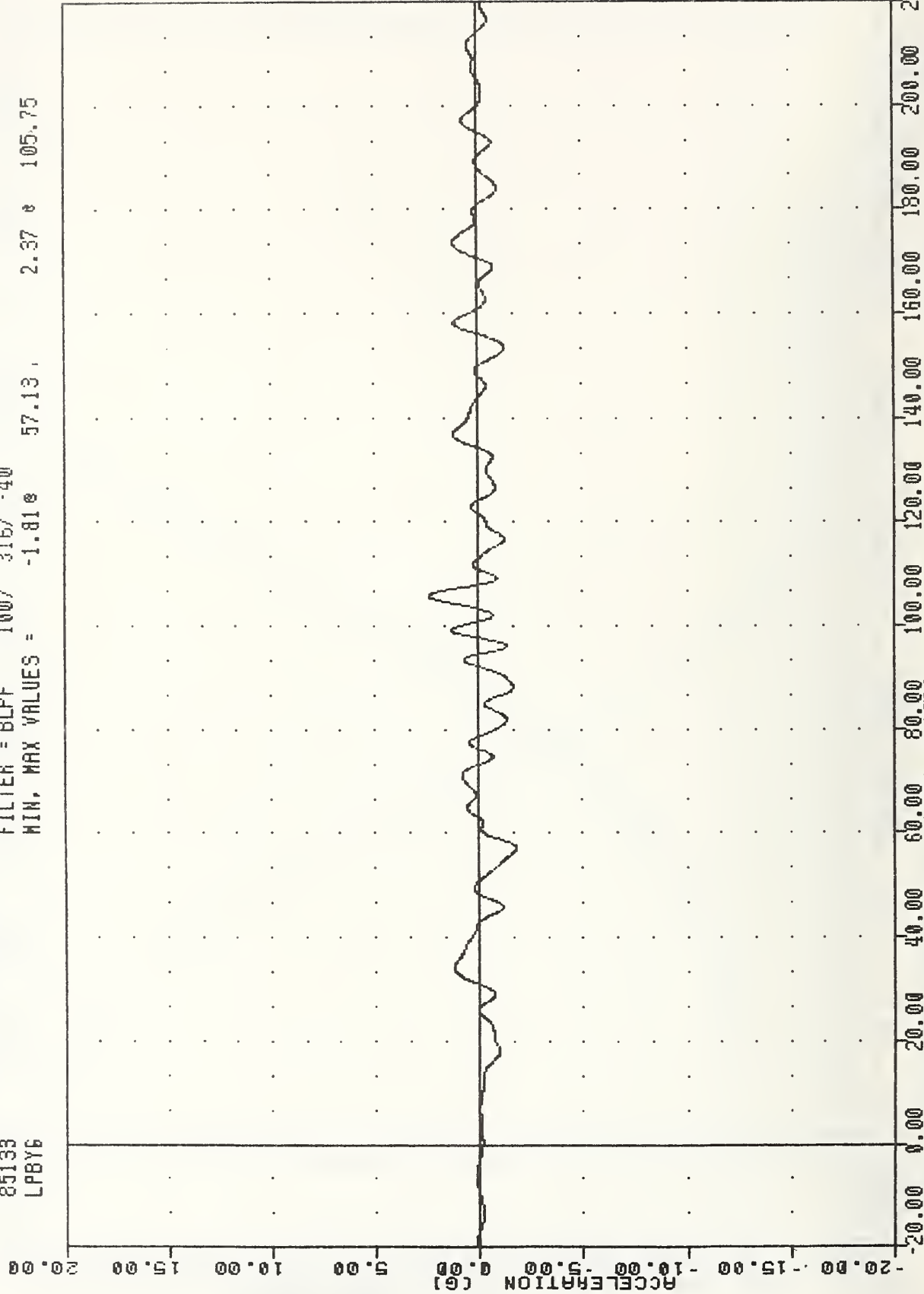
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING LPBXV

VRTC
BREED AIRBAG SLED PROGRAM
85133
LPBY6

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.81e 57.13, 2.37 e 105.75



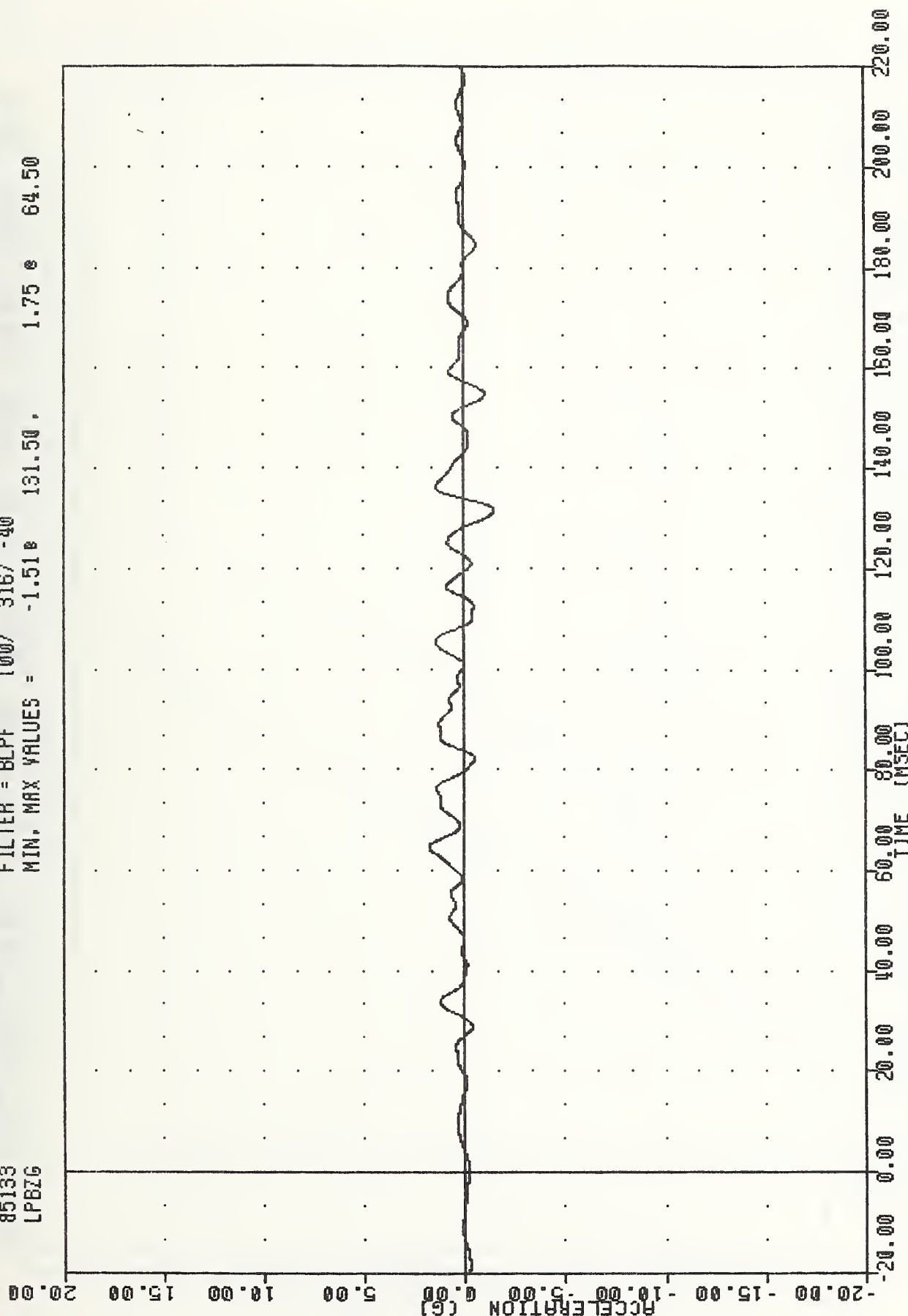
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
LPBZG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.51e 131.50 . 1.75 e 64.50



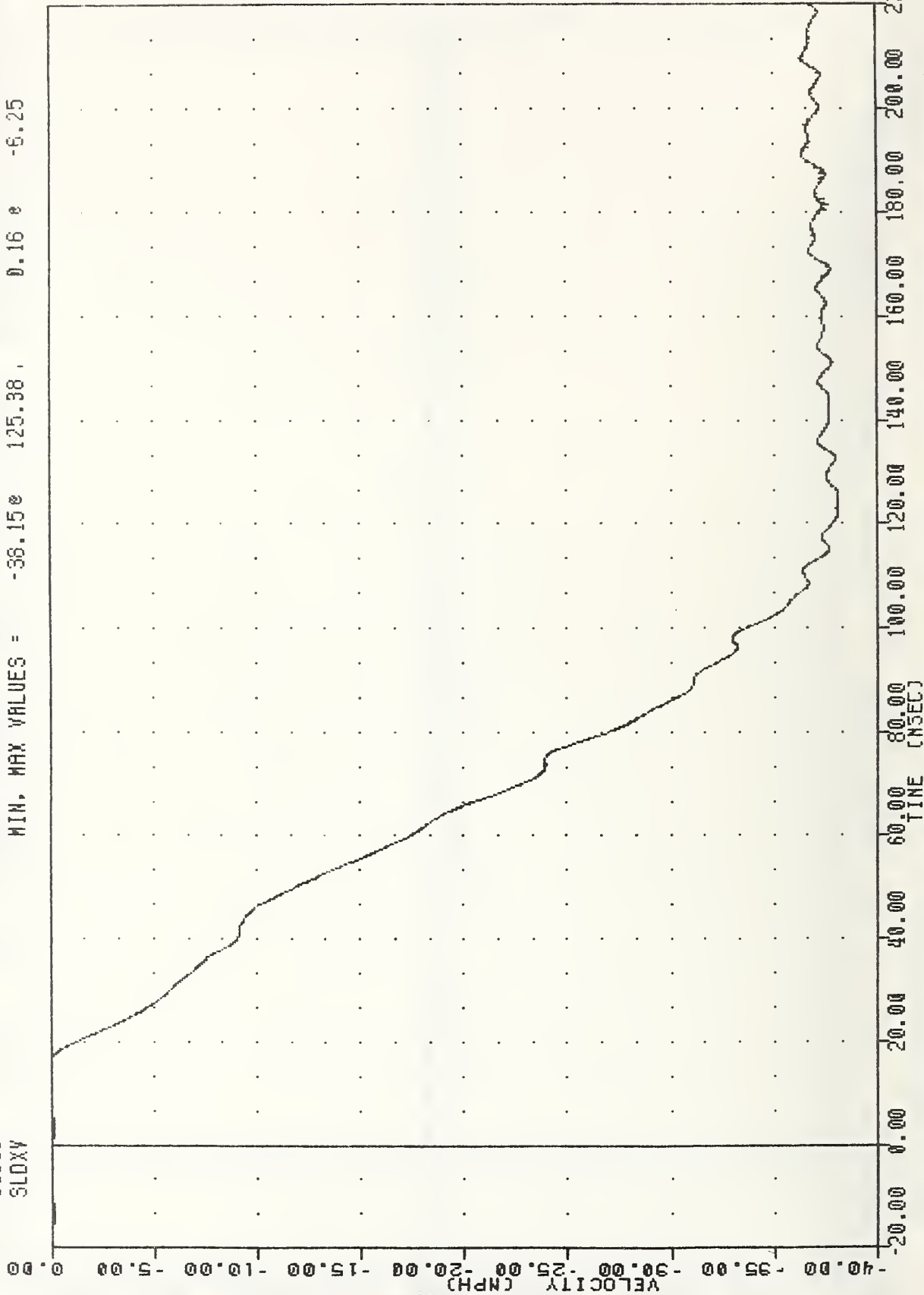
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

VATC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
SLOXY

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -38.15e 125.38 , 0.16 e -8.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC R0384-4-30
BREED AIRBAG SLED PROGRAM
85133
SLOXG

PLOT DATE 14-MAY-85 12:48:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.65 57.13 1.52 129.63



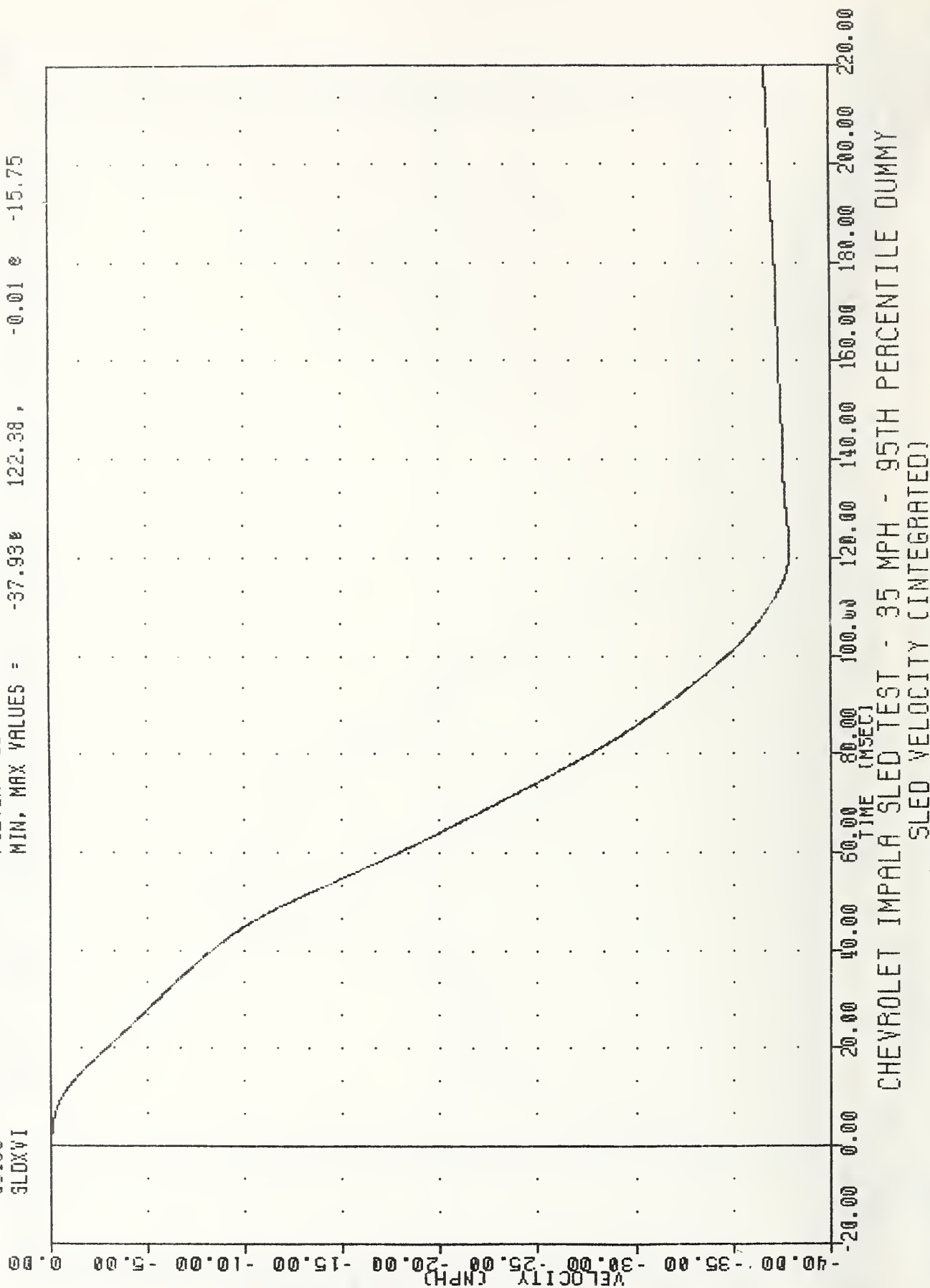
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC
 BREED AIRBAG SLED PROGRAM
 85133
 SLDXVI

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.93% 122.38, -0.01 e -15.75

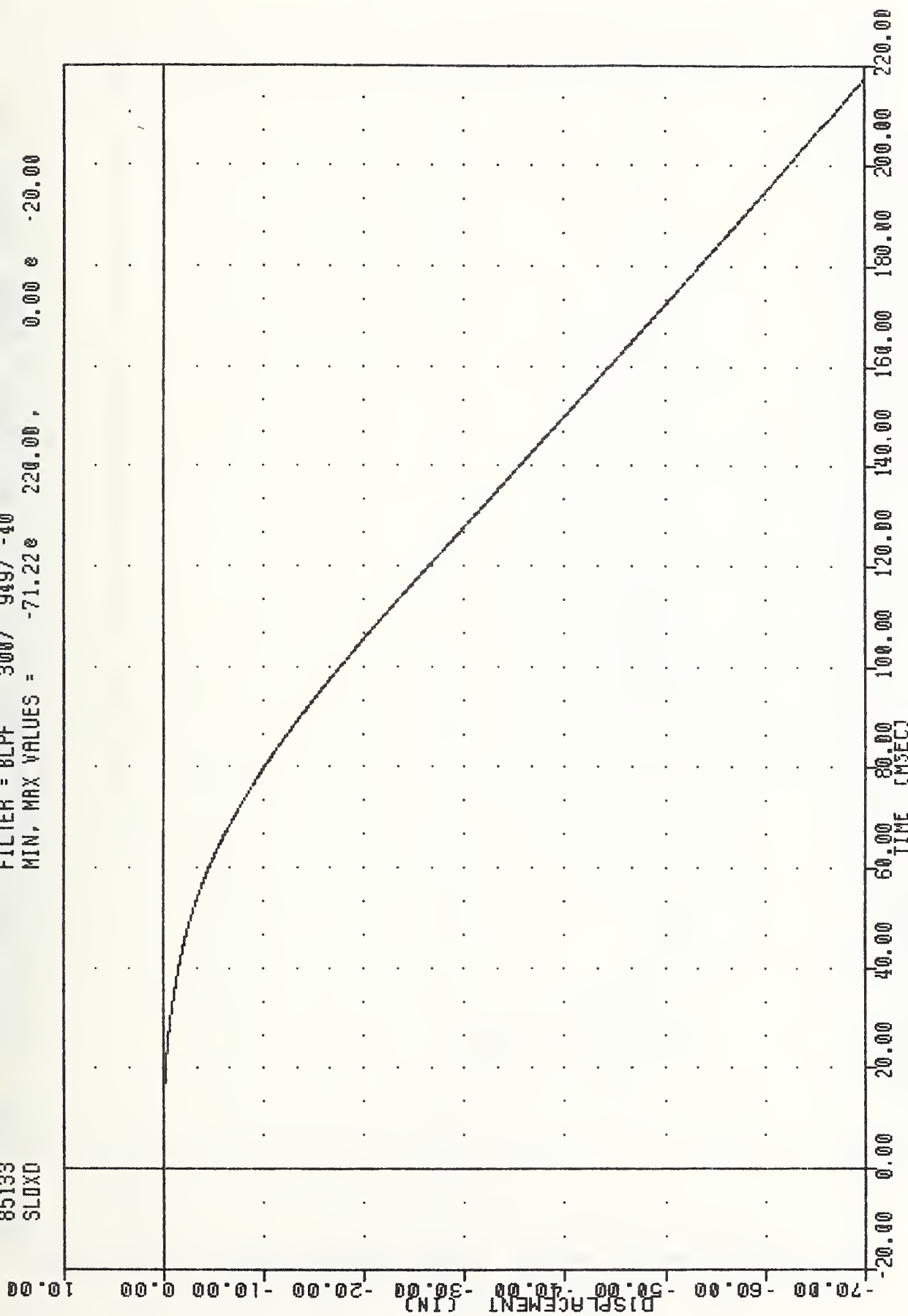


VRTC
 BREED AIRBAG SLED PROGRAM
 85133
 SLOXD

PLOT DATE 14-MAY-85 12:50:17

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -71.22 220.00, 0.00 20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VRIC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 ABTP

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.668 94.13 , 0.84 8 62.88

70.00

60.00

50.00

40.00

30.00

20.00

10.00

0.00

-10.00

-20.00

70.00

60.00

50.00

40.00

30.00

20.00

10.00

0.00

-10.00

-20.00

TEST ANOMALY
 DATA LOST

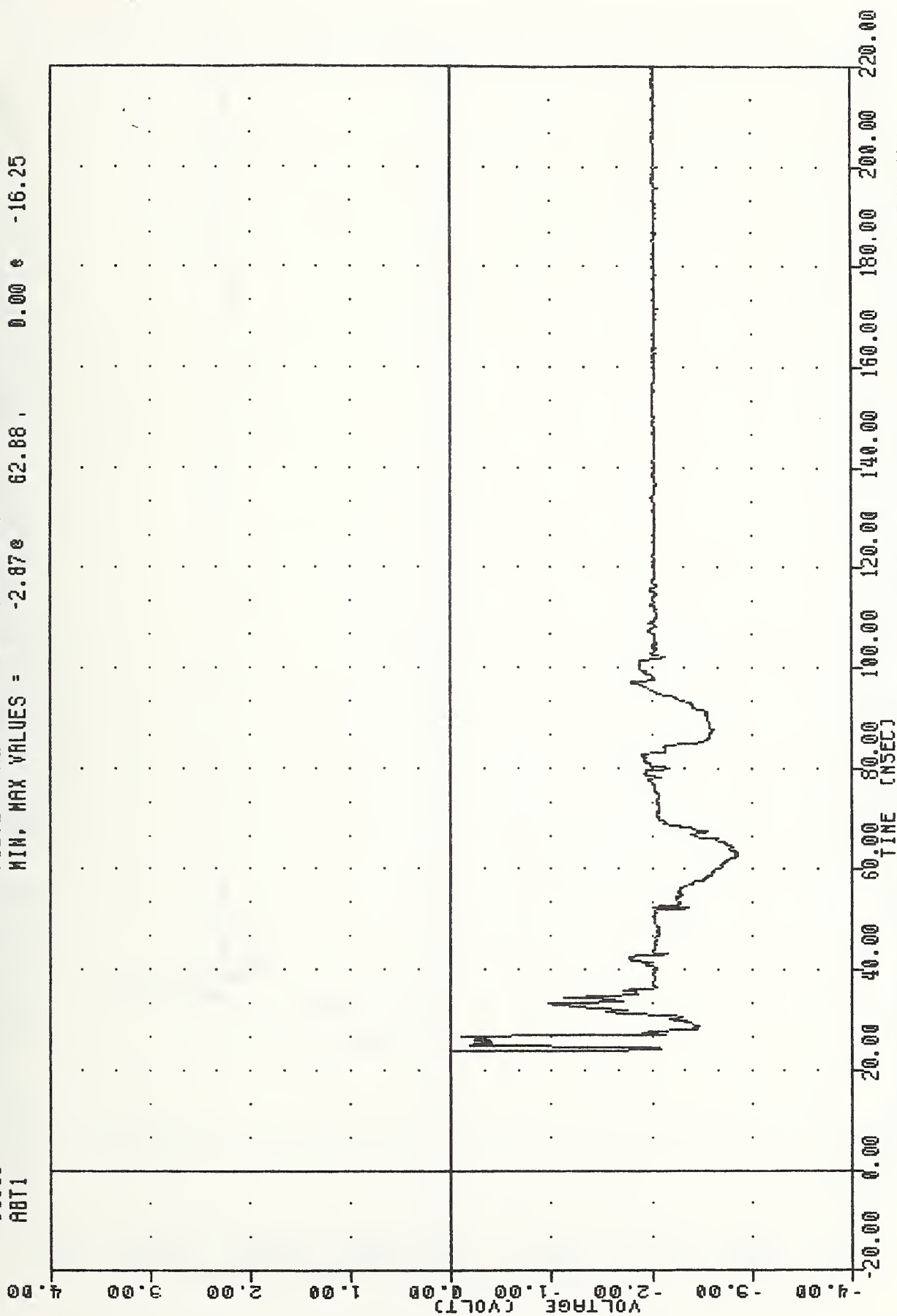
0.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 80.00 90.00 100.00 110.00 120.00 130.00 140.00 150.00 160.00 170.00 180.00 190.00 200.00 210.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VATC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 ABT1

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -2.87e 0.00 e -16.25
 62.88 ,



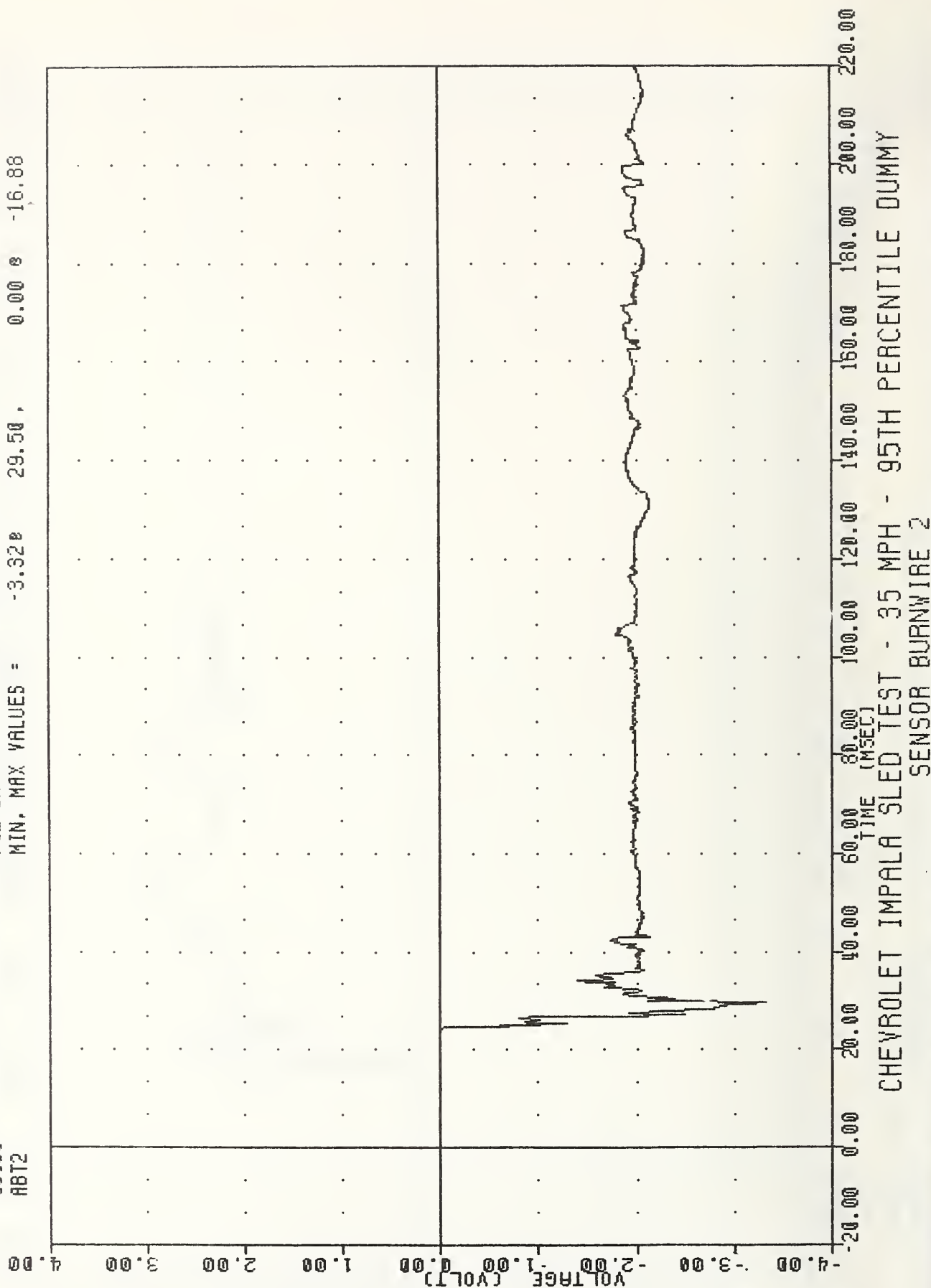
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 SENSOR BURNWIRE 1

VRTC , R0384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 ABT2

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.328 29.50 , 0.00 8 -16.88

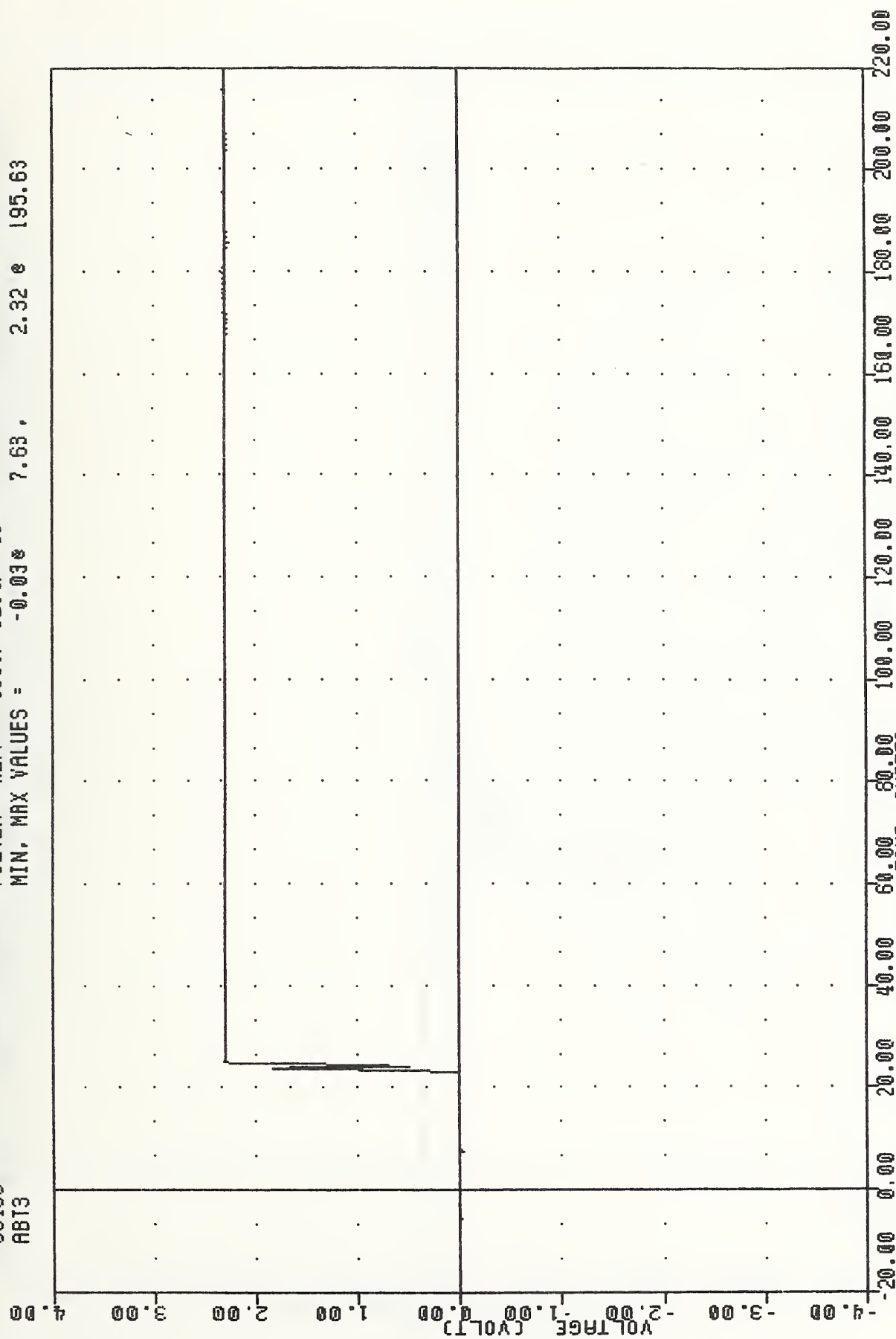


VRTC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
ABT3

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.03e 7.63 , 2.32 e 195.63



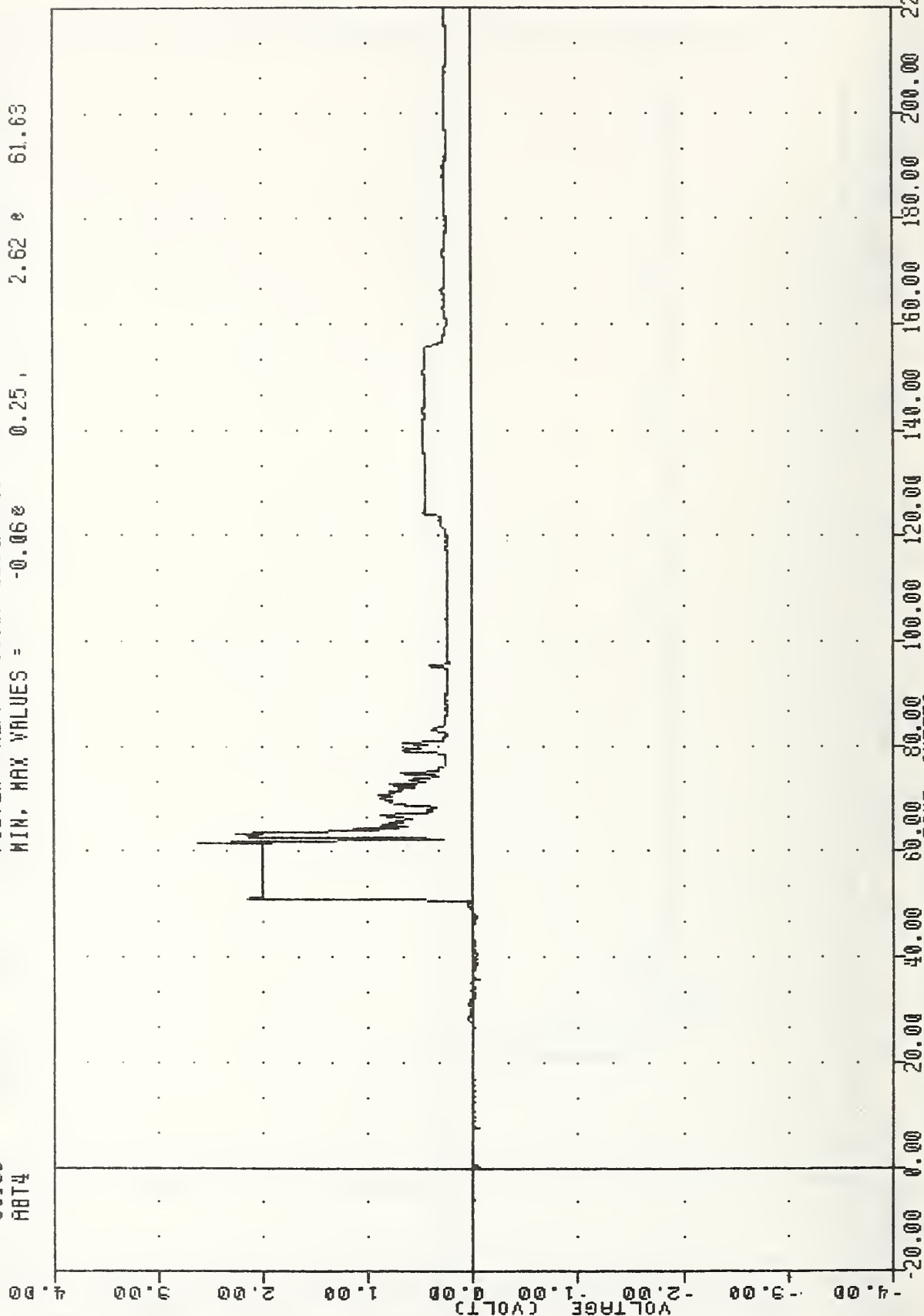
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
BREED 8-PILLAR SENSOR

VRTC , RD384-4-30
 BAREO AIRBAG SLED PROGRAM
 85133
 HBT4

PLOT DATE 14-MAY-85 12:48:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.06e 0.25 , 2.62 e 61.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 KNEE CONTACT

VRTC , RD384-4-50
BRAED AIRBAG SLED PROGRAM
85133
HEADG1

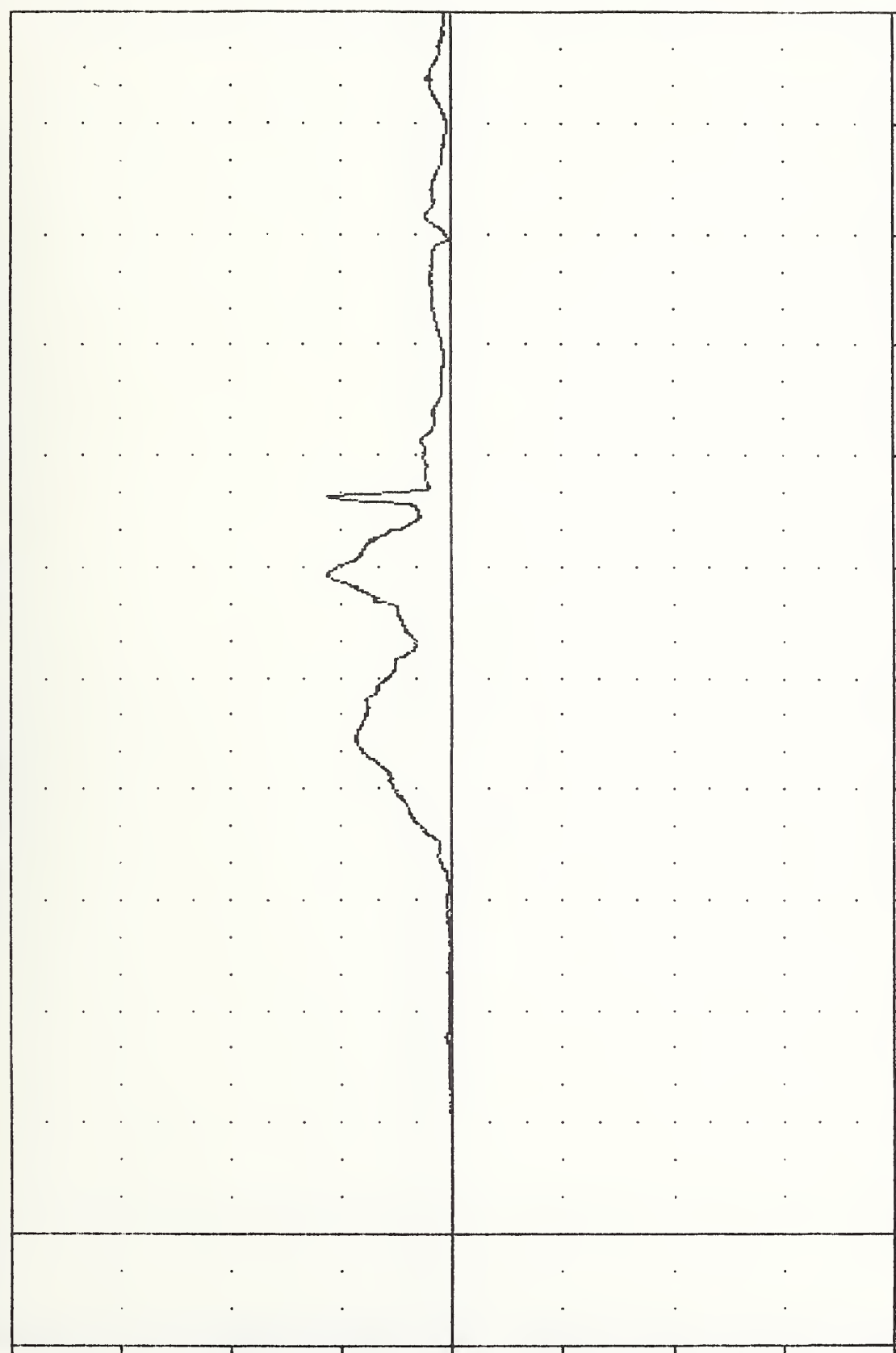
PLOT DATE 14-MAY-85 12:50:58

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.038 -4.25 ,

56.49 * 132.50

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

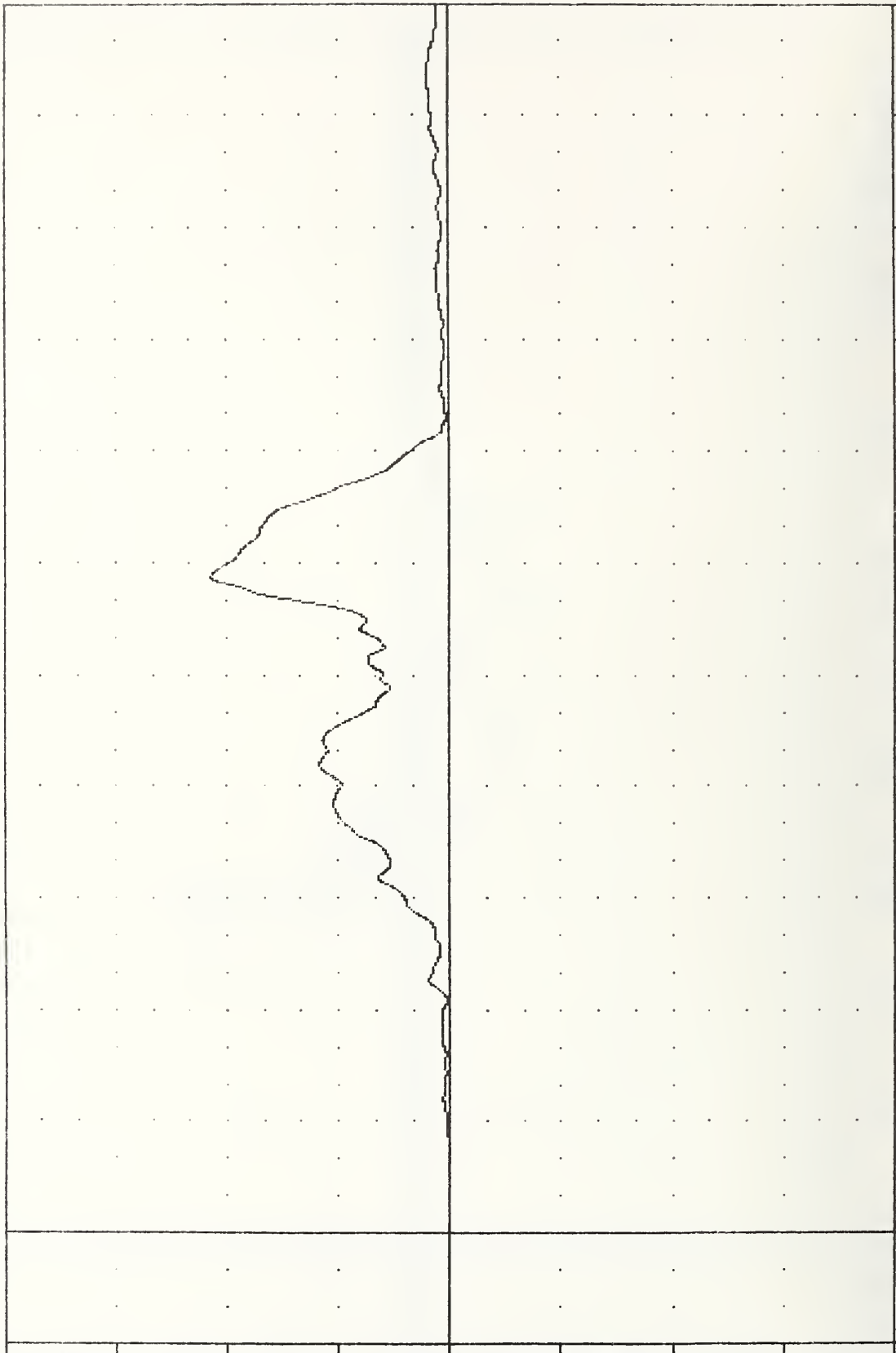
VRIC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
CSTRG1

PLOT DATE 14-MAY-85 12:50:53

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = 0.03g -6.13, 53.60 g 117.38

ACCELERATION (G)

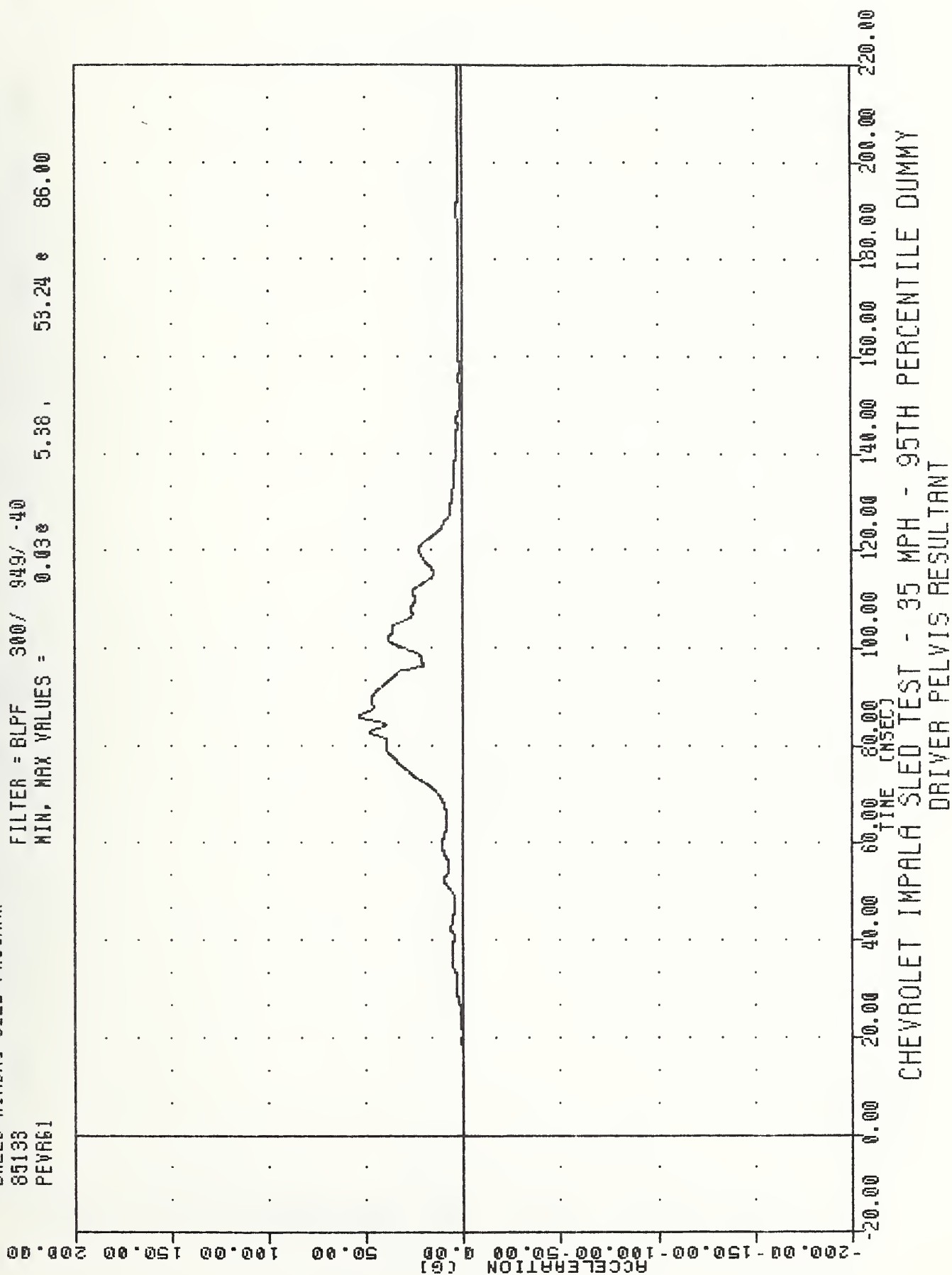


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VRTC , RD384-4-30
 BREED AIRBAG SLED PROGRAM
 85133
 PEVR61

PLOT DATE 14-MAY-85 12:50:58

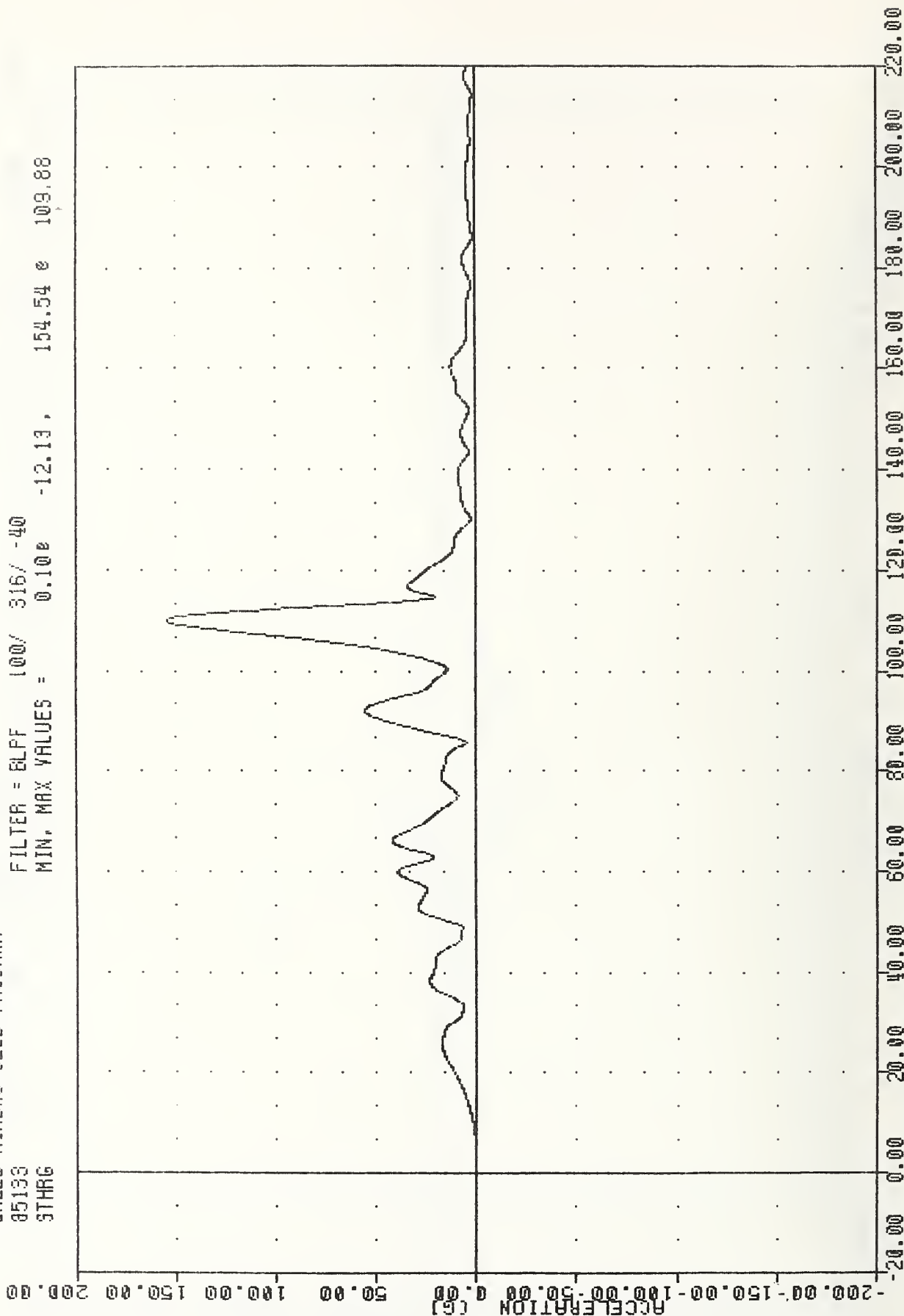
FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = 0.038 5.38 , 53.24 * 86.00



VRTC
BREED AIRBAG SLED PROGRAM
85133
9THRG

PLOT DATE 14-MAY-85 12:50:58

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.10e -12.13, 154.54 e 109.88

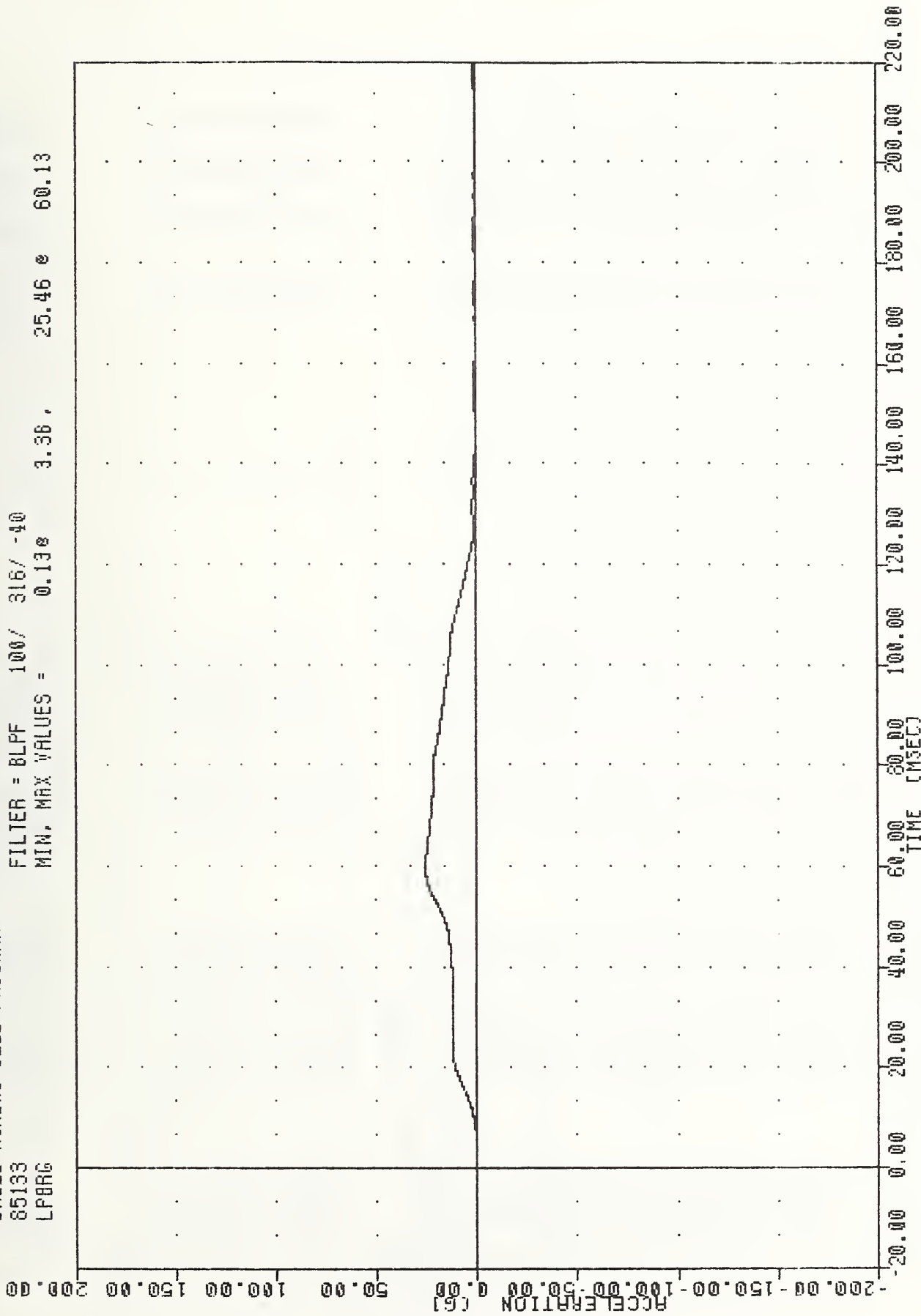


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

VRIC , RD384-4-30
BREED AIRBAG SLED PROGRAM
85133
LPBAG

PLOT DATE 14-MAY-85 12:50:58

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = 0.138 3.36 , 25.46 e 60.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

TRC438P. RAD; 2
VRTC
RD384-4-31 BREED AIRBAG SLED PROGRAM
35.00 mph
16-MAY-85 16:09

		Min value	Max value	Data Units	Filter
1	EVENT	0.066 @ 7.750	1.621 @ -18.625 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.152 @ 126.000	0.166 @ -6.750 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.822 @ 57.250	1.177 @ 130.875 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-67.410 @ 119.750	13.513 @ 137.250 msec	g	ALPF 1650/ 5214/ -40
5	HEDV61	-16.746 @ 126.125	4.190 @ 142.375 msec	g	ALPF 1650/ 5214/ -40
6	HEDZ61	-4.077 @ 124.000	48.692 @ 117.500 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-41.079 @ 90.500	3.494 @ 151.625 msec	g	BLPF 300/ 949/ -40
8	CSTV61	-3.892 @ 84.375	1.882 @ 125.000 msec	g	BLPF 300/ 949/ -40
9	CSTZ61	-11.720 @ 87.375	20.828 @ 125.250 msec	g	BLPF 300/ 949/ -40
10	PEVXG1	-55.525 @ 81.875	2.540 @ 145.000 msec	g	BLPF 300/ 949/ -40
11	PEVY61	-1.705 @ 52.125	5.153 @ 88.500 msec	g	BLPF 300/ 949/ -40
12	PEVZ61	-32.448 @ 87.125	6.584 @ 136.500 msec	g	BLPF 1000/ 3162/ -40
13	LFMF1	-518.208 @ 59.000	134.937 @ 169.375 msec	1b	BLPF 100/ 316/ -40
14	RFMF1	-256.043 @ 52.500	195.310 @ 72.000 msec	1b	BLPF 100/ 316/ -40
15	STHFG	-180.288 @ 109.625	69.265 @ 93.250 msec	g	BLPF 100/ 316/ -40
16	STHFG	-9.121 @ 81.125	22.187 @ 107.125 msec	g	BLPF 100/ 316/ -40
17	STHIG	-17.805 @ 100.250	44.220 @ 109.750 msec	g	BLPF 100/ 316/ -40
18	LPBXG	-25.477 @ 60.250	1.663 @ 130.750 msec	g	BLPF 100/ 316/ -40
19	LPBYG	-1.929 @ 127.125	2.019 @ 33.875 msec	g	BLPF 100/ 316/ -40
20	LPBZG	-1.366 @ 132.500	1.773 @ 37.875 msec	1b	BLPF 100/ 316/ -40
21	LB0F1	-15.008 @ 161.000	1764.844 @ 87.625 msec	psig	ALPF 1650/ 5214/ -40
22	ABTP	-2.056 @ 44.375	35.986 @ 30.125 msec	volt	ALPF 1650/ 5214/ -40
23	ABT1	-2.525 @ 26.625	0.004 @ 3.000 msec	volt	ALPF 1650/ 5214/ -40
24	ABT2	-9.976 @ 103.625	1.433 @ 103.375 msec	volt	ALPF 1650/ 5214/ -40
25	ABT3	-0.029 @ 3.250	2.336 @ 23.625 msec	volt	ALPF 1650/ 5214/ -40
26	ABT4	-0.152 @ 143.875	9.995 @ 70.750 msec	volt	ALPF 1650/ 5214/ -40

TRC438P. RAD; 1
VRTC
RD384-4-31 BREED AIRBAG SLED PROGRAM
35.00 mph
14-MAY-85 16:09

		Min value	Max value	Data Units	Filter
1	HEDXV1	-47.536 @ 217.750	0.665 @ 66.000 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-57.196 @ 220.000	0.136 @ 73.875 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-44.898 @ 145.500	0.028 @ -10.125 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-63.813 @ 220.000	0.021 @ 30.625 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-35.909 @ 134.250	0.221 @ -2.000 msec	mph	BLPF 300/ 949/ -40
6	PEVDX1	-60.789 @ 220.000	0.203 @ 23.000 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-37.997 @ 123.125	0.000 @ -16.250 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-71.174 @ 220.000	0.000 @ -20.000 msec	in	BLPF 300/ 949/ -40
9	STHPV	-34.663 @ 111.125	0.169 @ -18.750 msec	in	BLPF 300/ 949/ -40
10	STHPD	-58.308 @ 220.000	0.134 @ 8.000 msec	mph	BLPF 300/ 949/ -40
11	LPBXV	-37.228 @ 123.875	0.005 @ -19.625 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-68.635 @ 220.000	0.000 @ -14.375 msec	in	BLPF 300/ 949/ -40

TRC438P. RAD; 1
VRTC
RD384-4-31 BREED AIRBAG SLED PROGRAM
35.00 mph
14-MAY-85 16:09

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.020 @ -8.250	81.524 @ 118.375 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.030 @ 7.375	41.676 @ 90.375 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.079 @ -11.875	63.263 @ 86.000 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.024 @ -8.500	186.454 @ 109.625 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.042 @ -14.625	25.487 @ 60.250 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC438RP.RAD;1
VRTC RD384-4-31 BREED AIRBAG SLED PROGRAM
85134 35.00 mph

* * * HIC computation for HEDRG1

14-MAY-85 16:11

Using time range = 0.000 to 142.375 msec Peak accel = 81.52 @ 118.375

HIC = 453.83 Interval from 81.125 [810] to 130.000 [1201]

HIC = 352.15 Interval from 113.375 [1068] to 128.375 [1188]

R SYSF:THREEMS

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

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

Enter input filespec -> TRC438RP

File TRC438RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Delta x = 0.125000
VRTC RD384-4-31 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 FEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

5 [SLED.BREED]TRC438RP.RAD;1 VRTC RD384-4-31
BREED AIRBAG SLED PROGRAM 35.0 mph 85134 14-MAY-85 16:21:18
Delta x: 0.125

3 MS CLIP PEAK: 39.40584

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

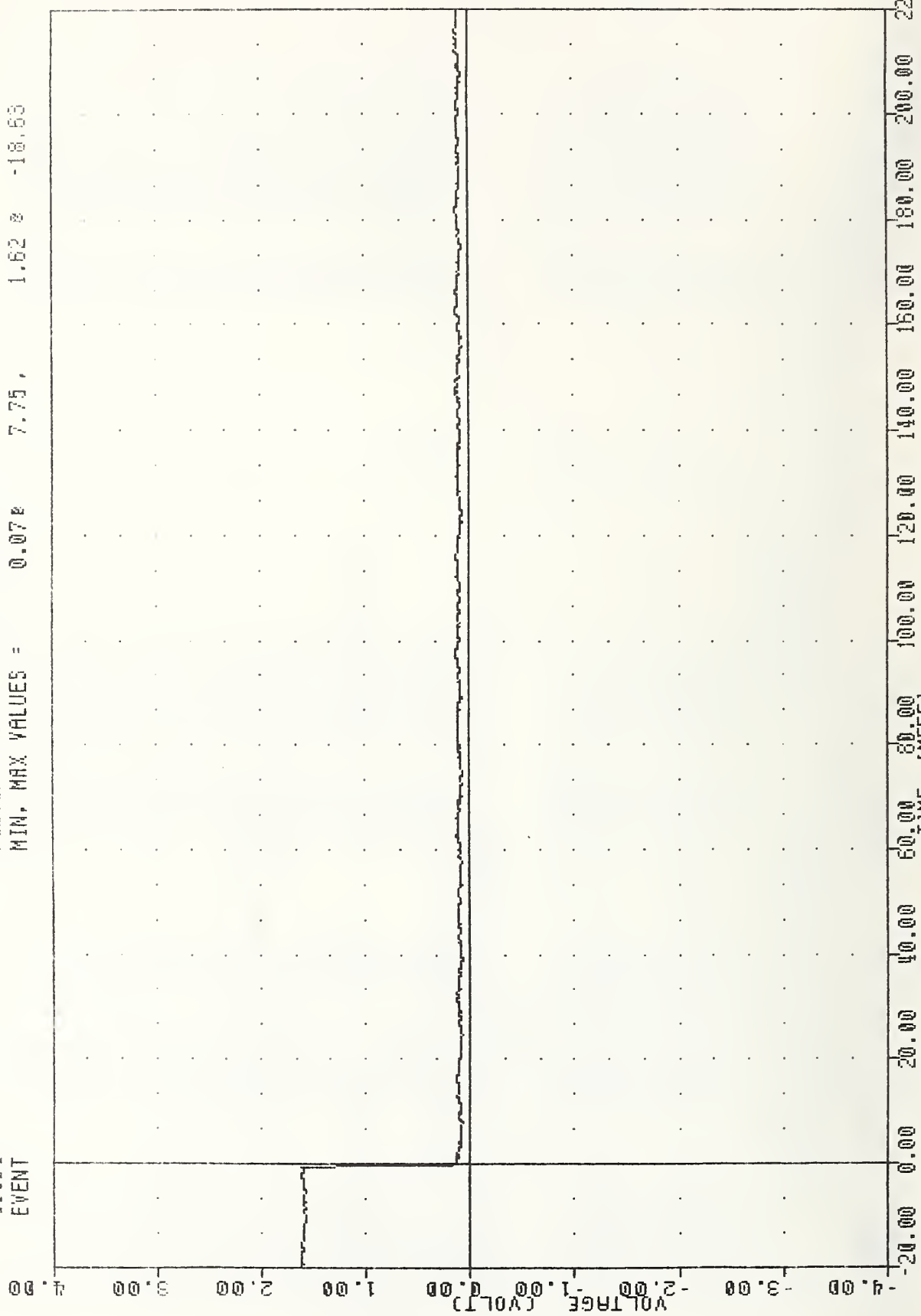
Enter input filespec -> EXIT
\$

VRTC , RD304-4-31
BREED AIRBAG SLED PROGRAM
85134
EVENT

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.078 7.75, 1.628 -18.63

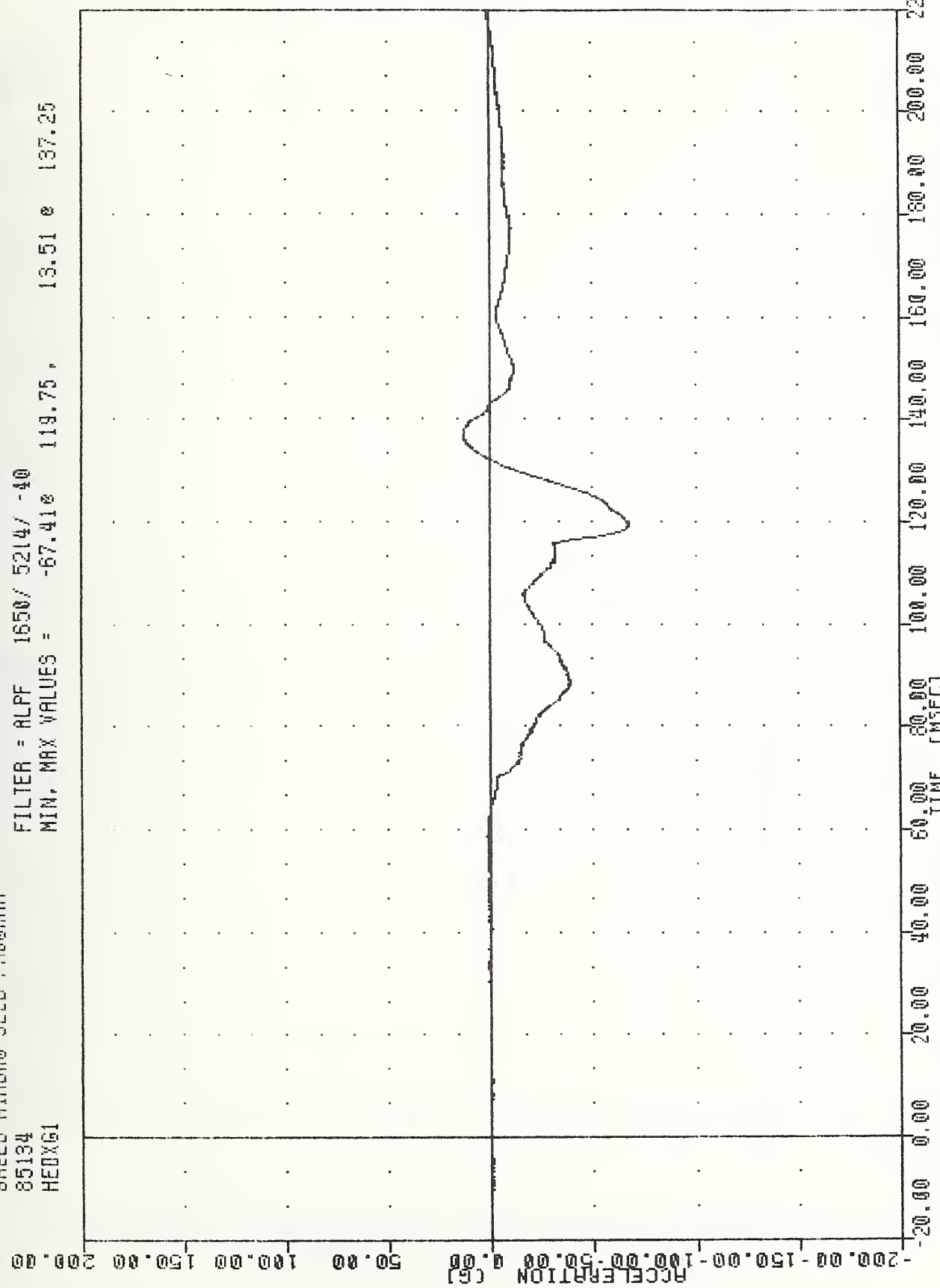


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
EVENT

VRIC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 HEDXG1

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40
 MIN. MAX VALUES = -67.410 119.75, 13.51 0 137.25



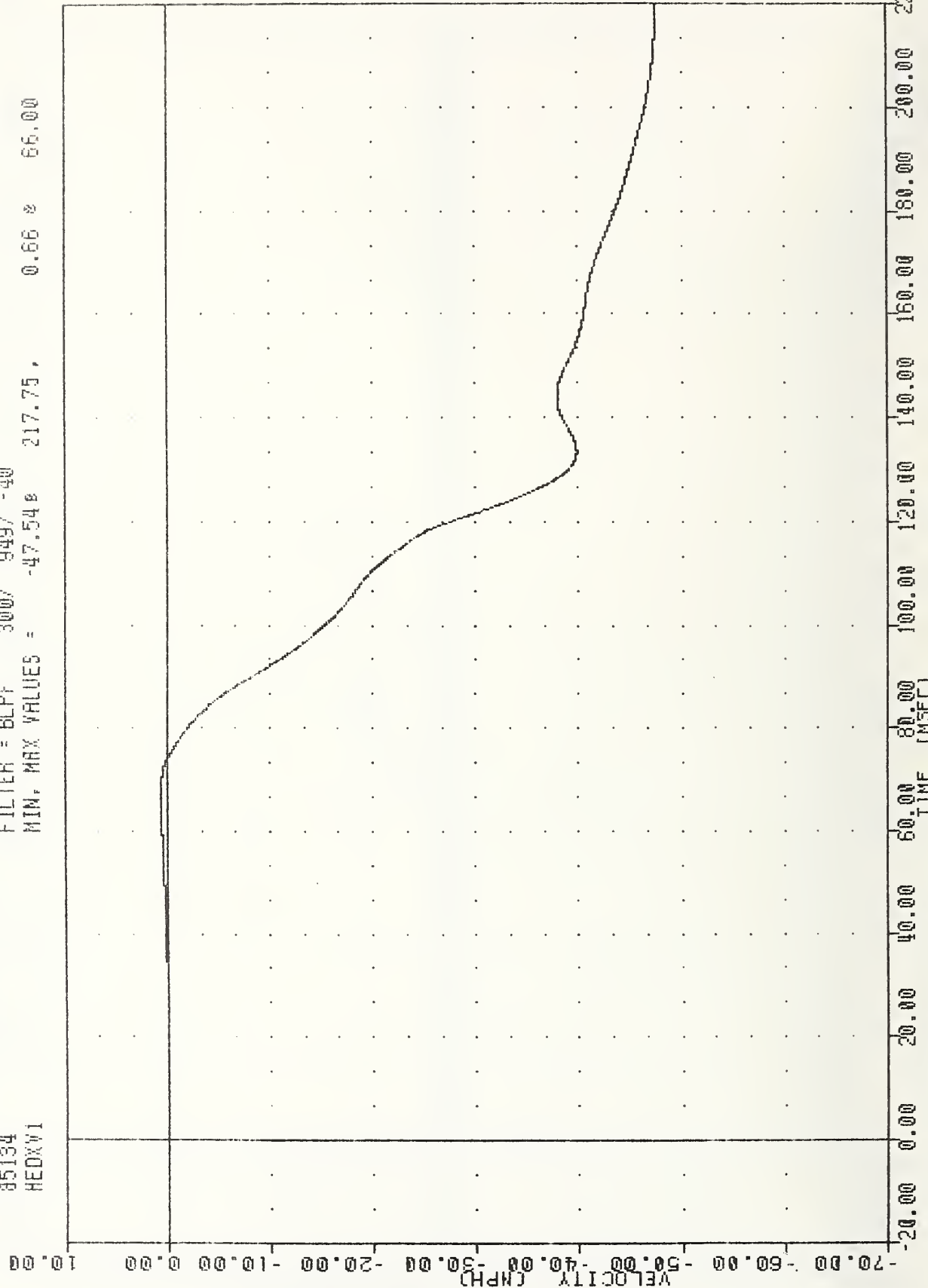
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION X AXIS

VRTC , 80384-4-31
BRAED AIRBAG SLED PROGRAM
05134
HEDXV1

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -47.548 217.75, 0.66 % 66.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

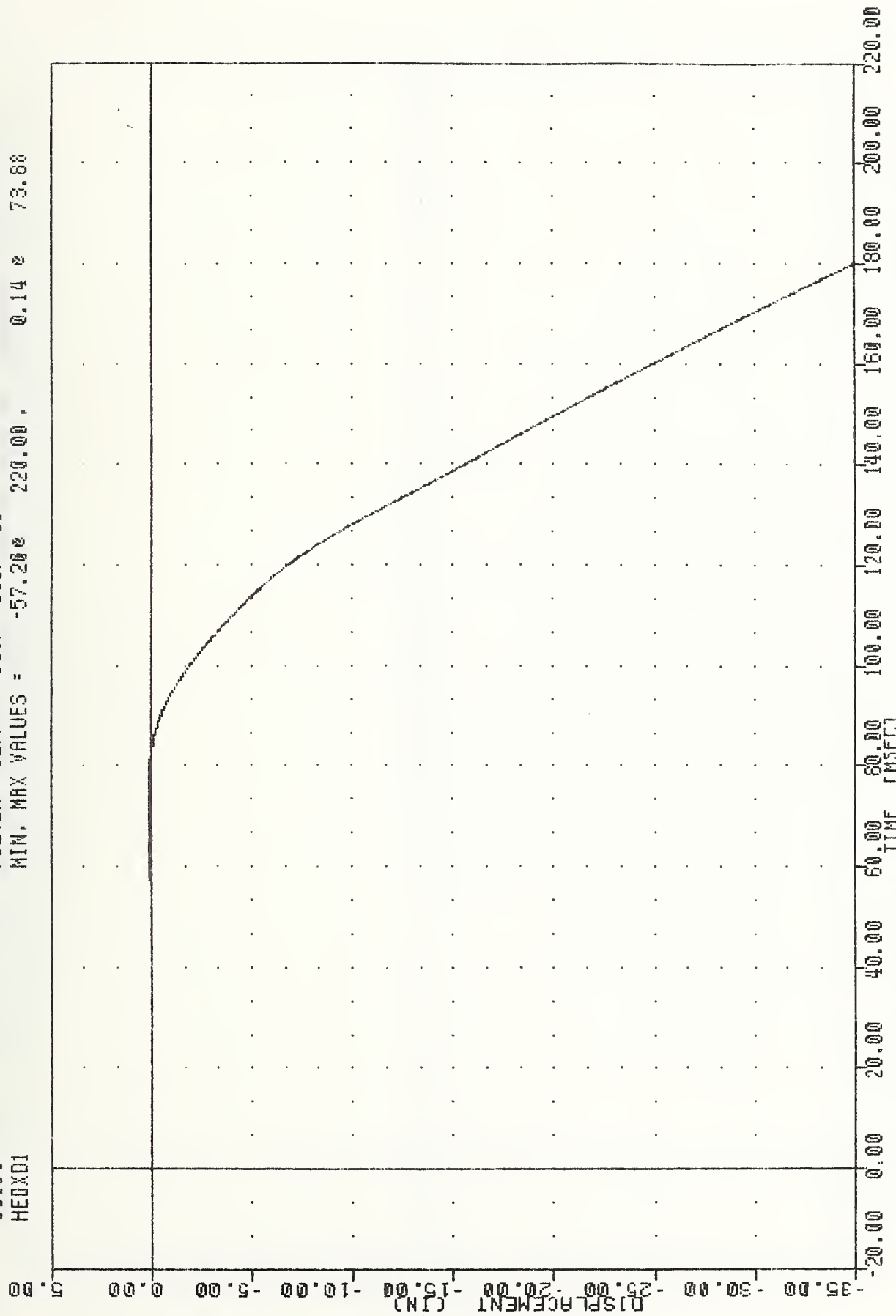
DELTA V USING HEDXG1

VRTC
BREED AIRBAG SLED PROGRAM
85134
HEDXD1

PLOT DATE 15-MAY-85 10:31:52

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -57.20e 220.00, 0.14 e 73.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING HEDXV1

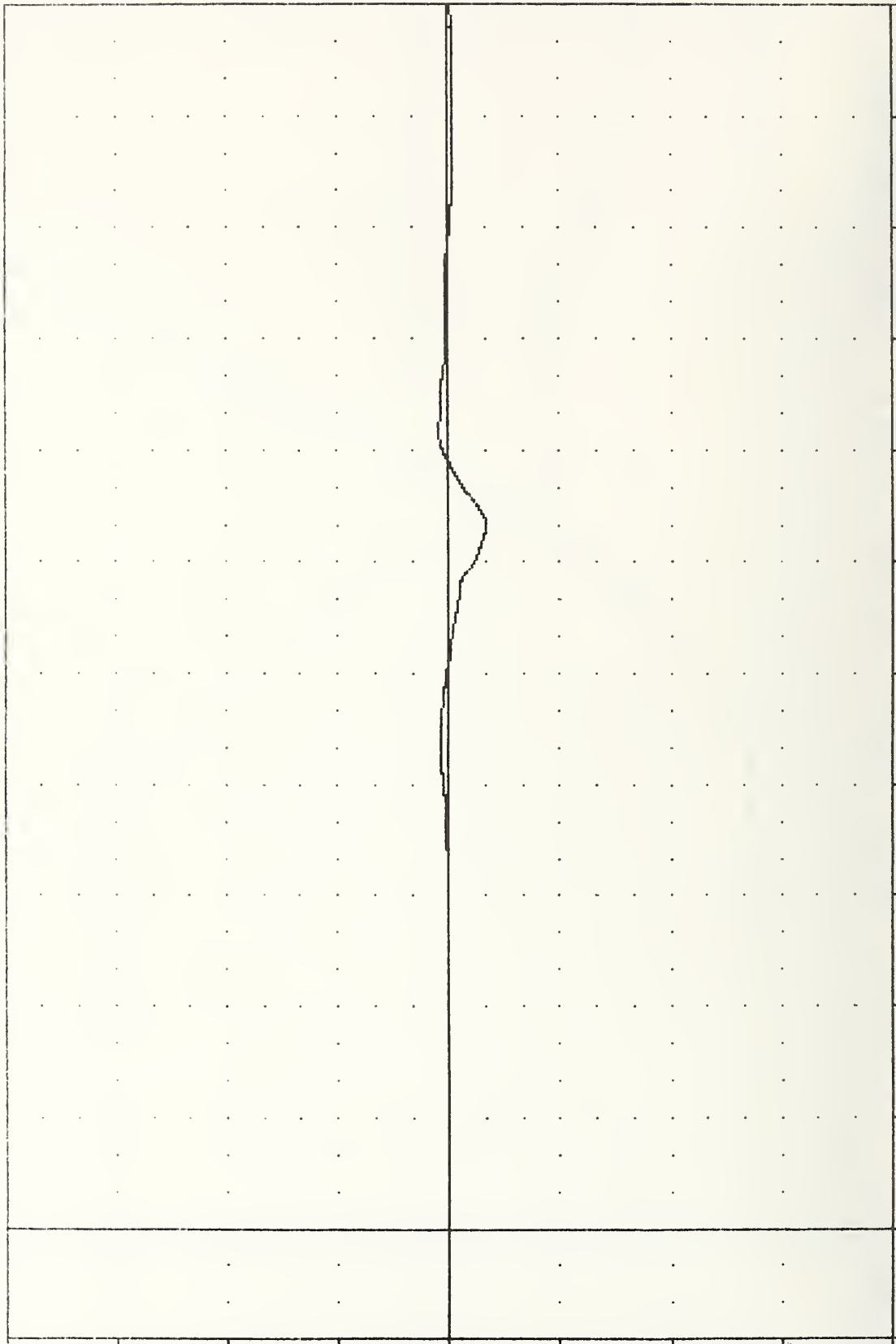
VATC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 HEDY61

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1850/ 5214/ -40

MIN. MAX VALUES = -16.75 126.13 , 4.19 * 142.38

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

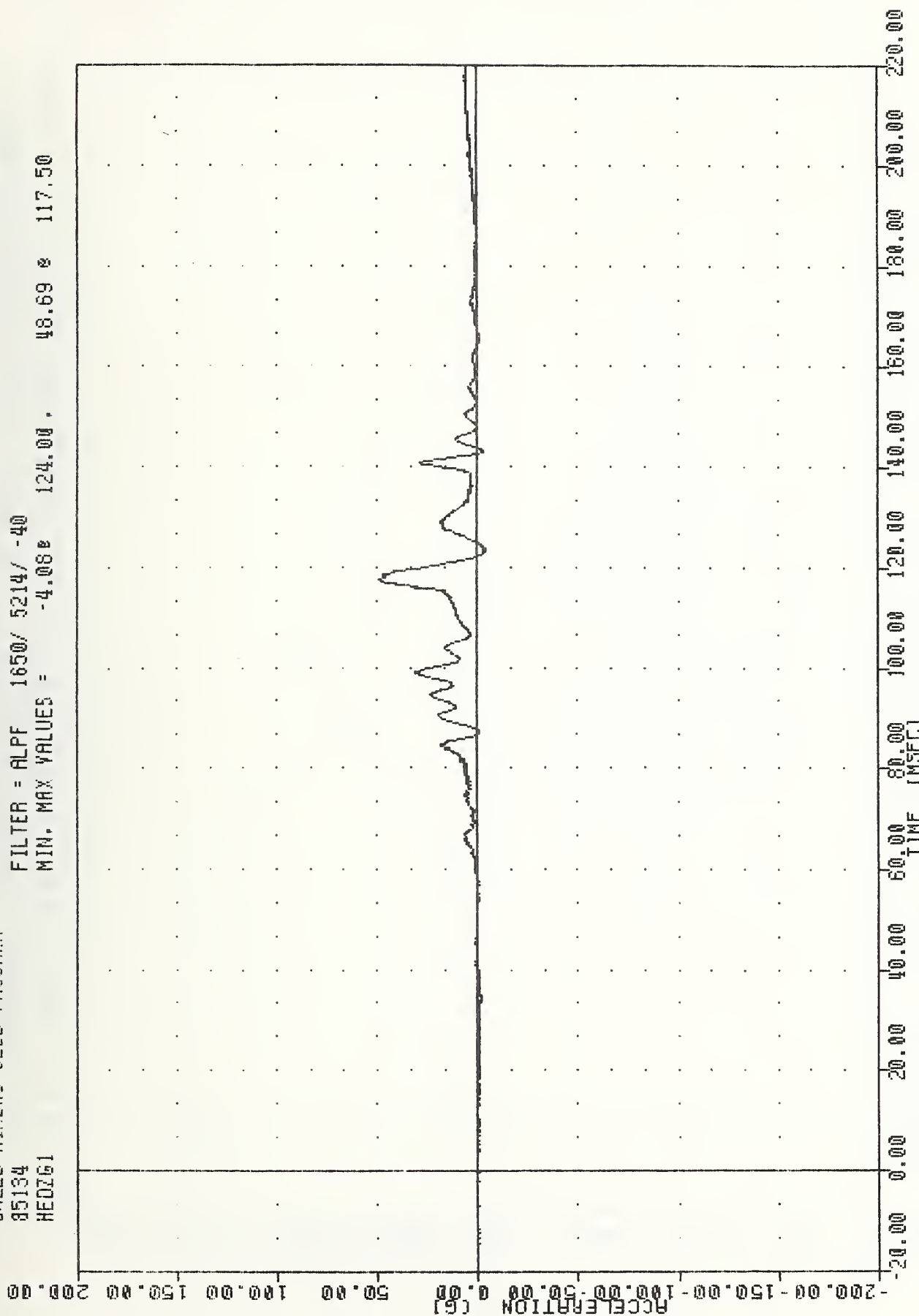
VRTC , R0384-4-31
BREED AIRBAG SLED PROGRAM
85134
HEAD261

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -4.08e 124.00.

48.69 e 117.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRIC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 CSTXG1

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -41.088 90.50, 3.49 @ 151.63

100.00

75.00

50.00

25.00

0.00

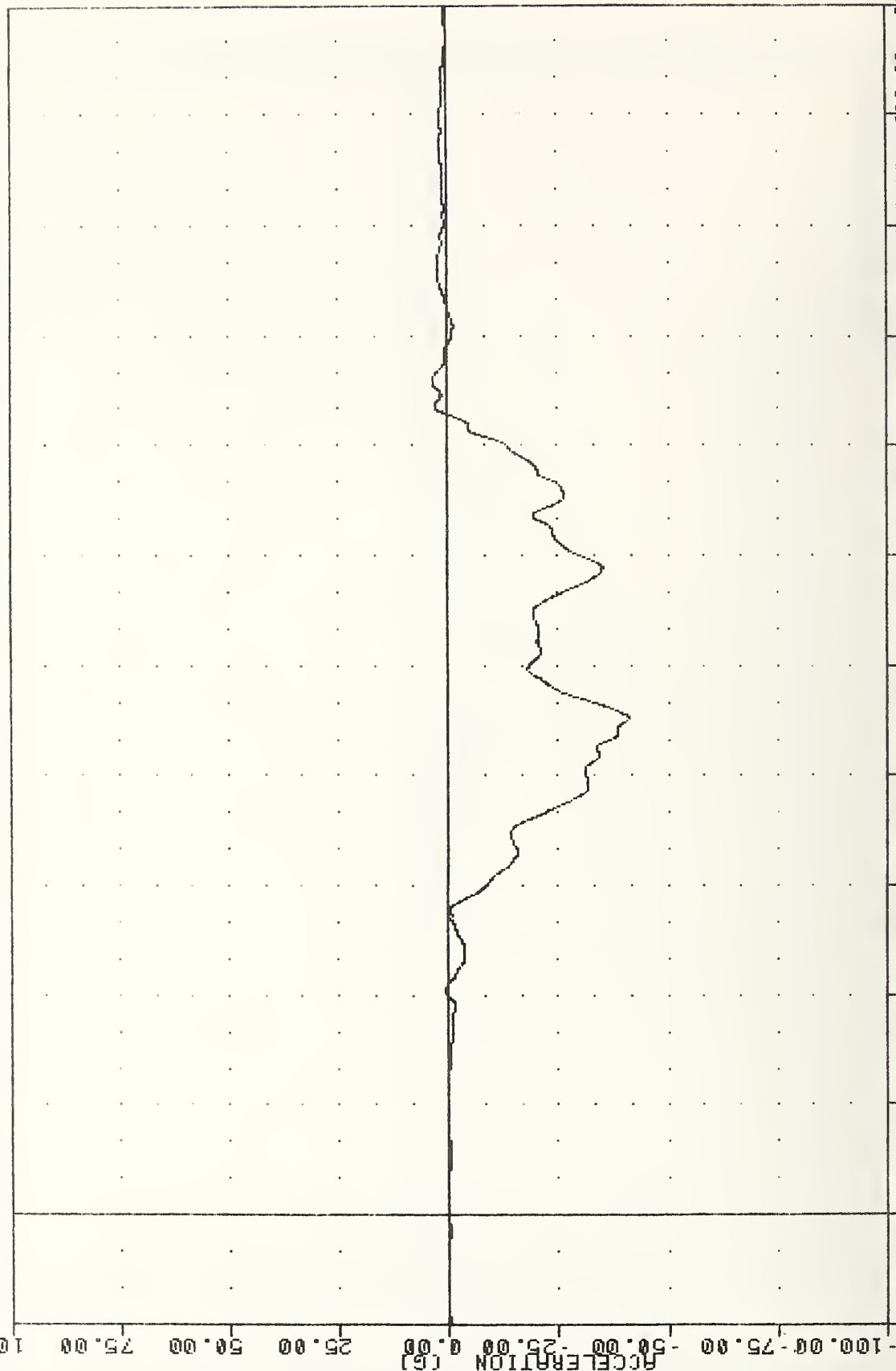
-25.00

-50.00

-75.00

-100.00

92



TIME (MSEC)

-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

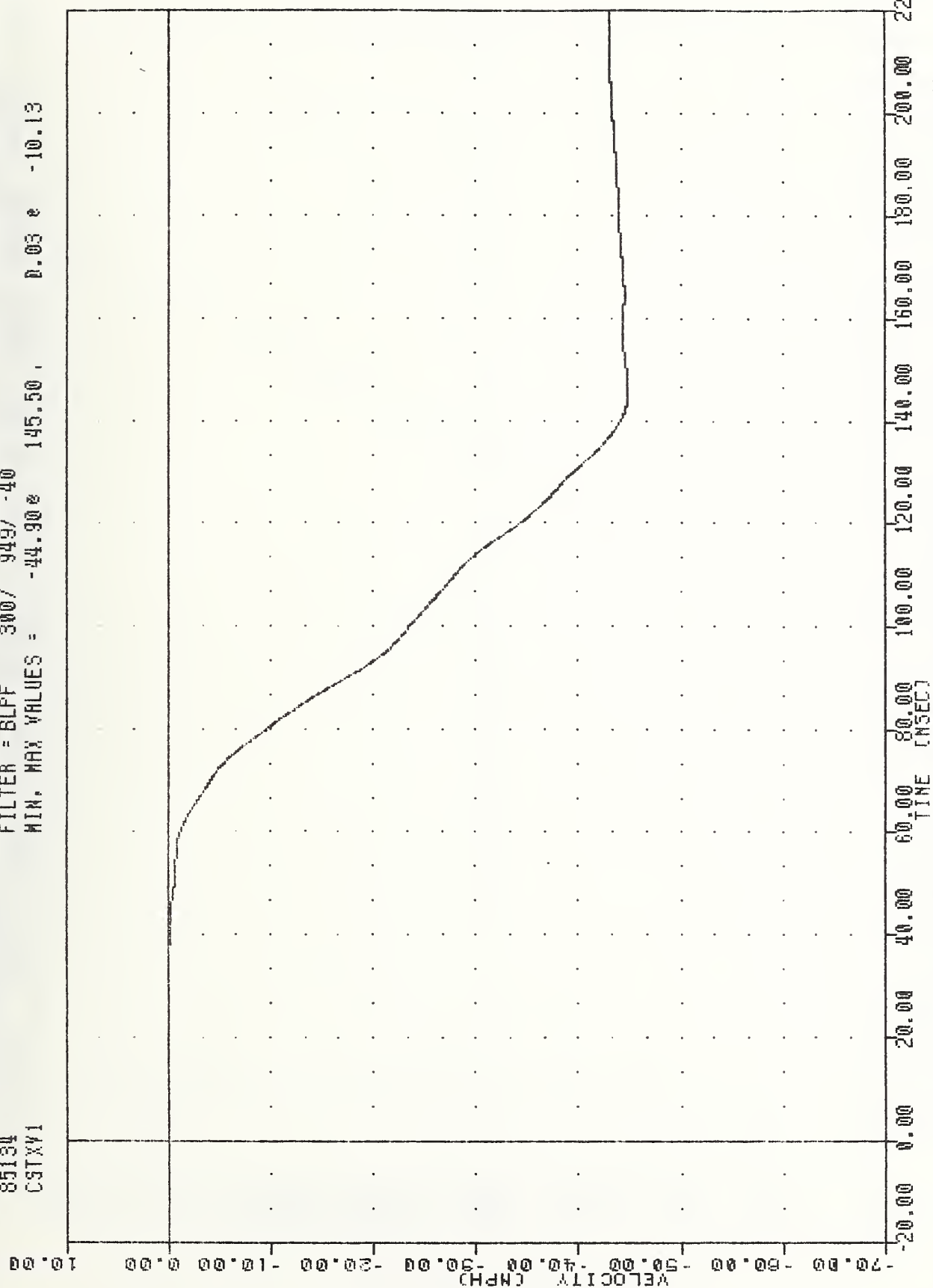
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

WRTC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
CSTXV1

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

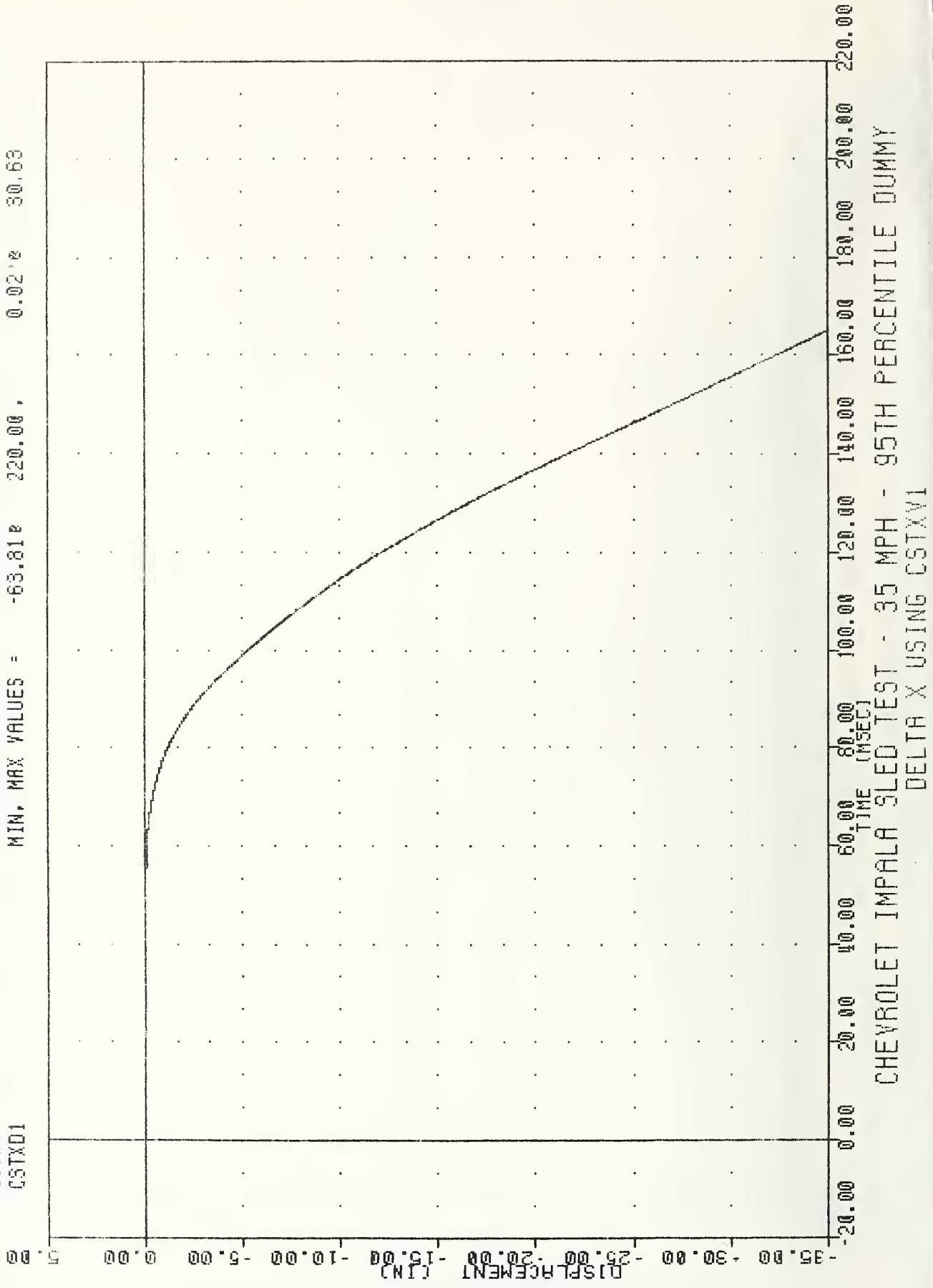
MIN. MAX VALUES = -44.90e 145.50 , 0.03 e -10.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 CSTXD1

PLOT DATE 15-MAY-85 10:31:52
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -63.81e 220.00, 0.021e 30.53



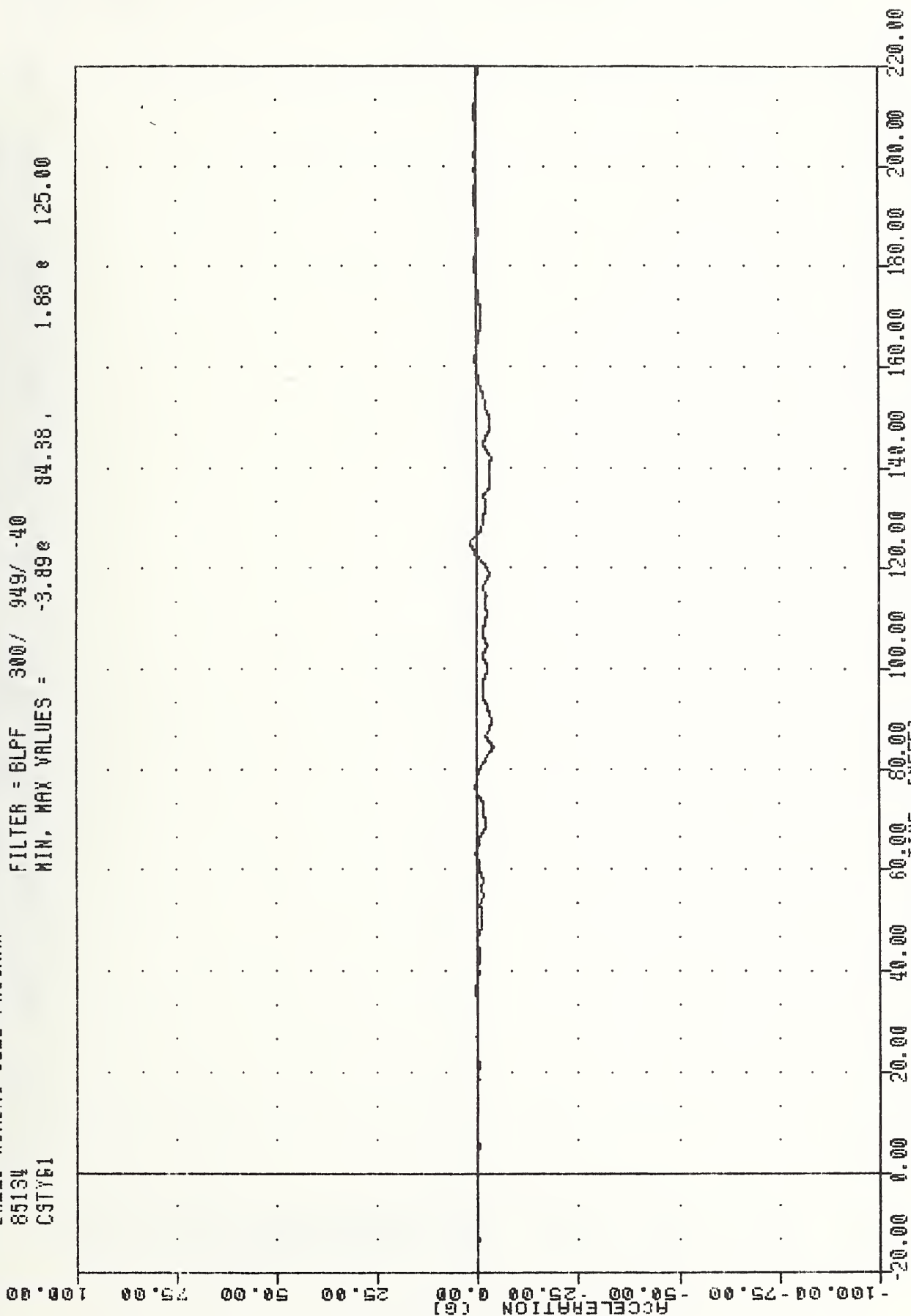
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

VRTC RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 CSTY61

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.89e 84.38 1.88 e 125.00



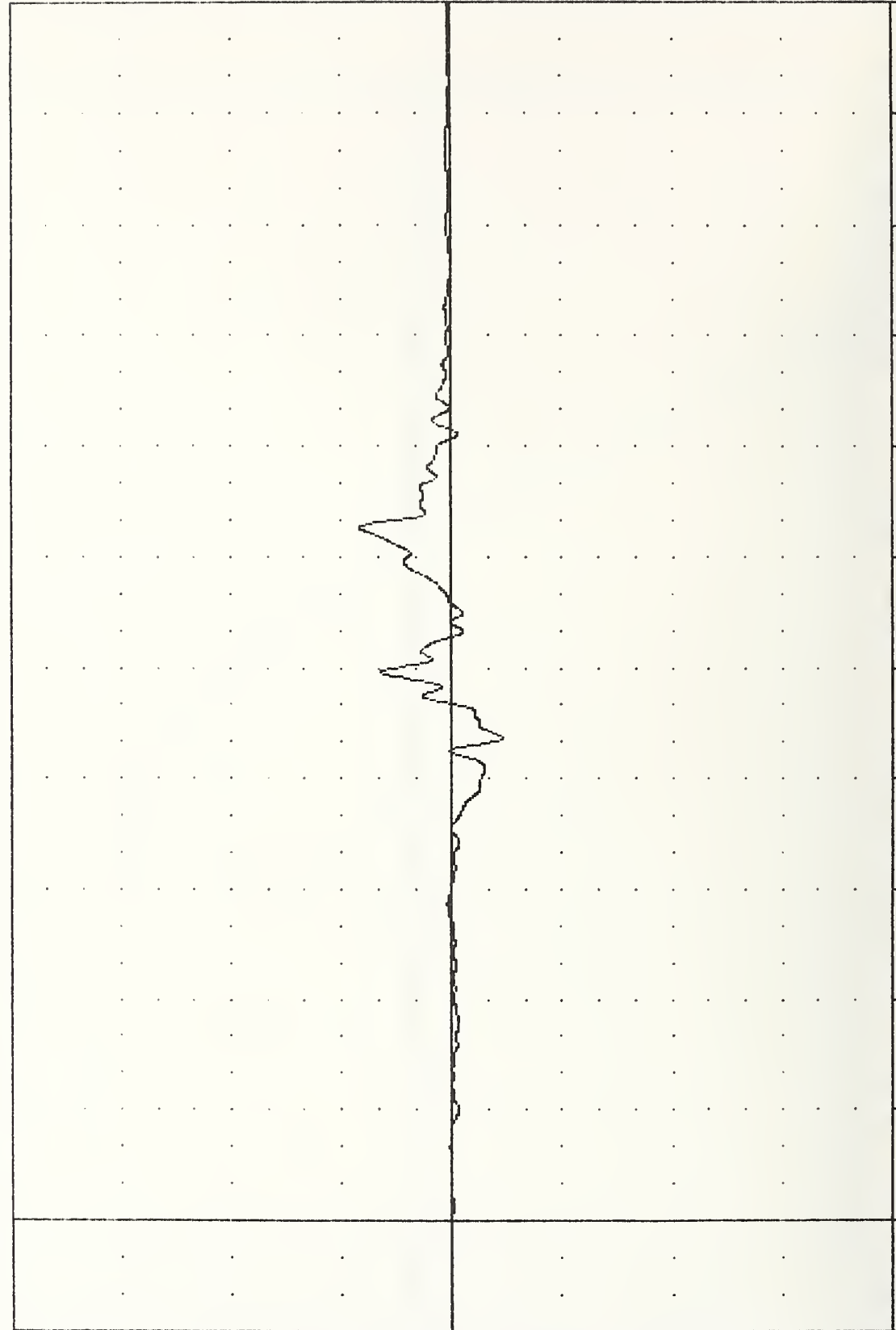
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 CSTIG1

PLOT DATE 15-MAY-85 10:50:27
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -11.728 87.38 20.83 125.25

ACCELERATION (G)

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

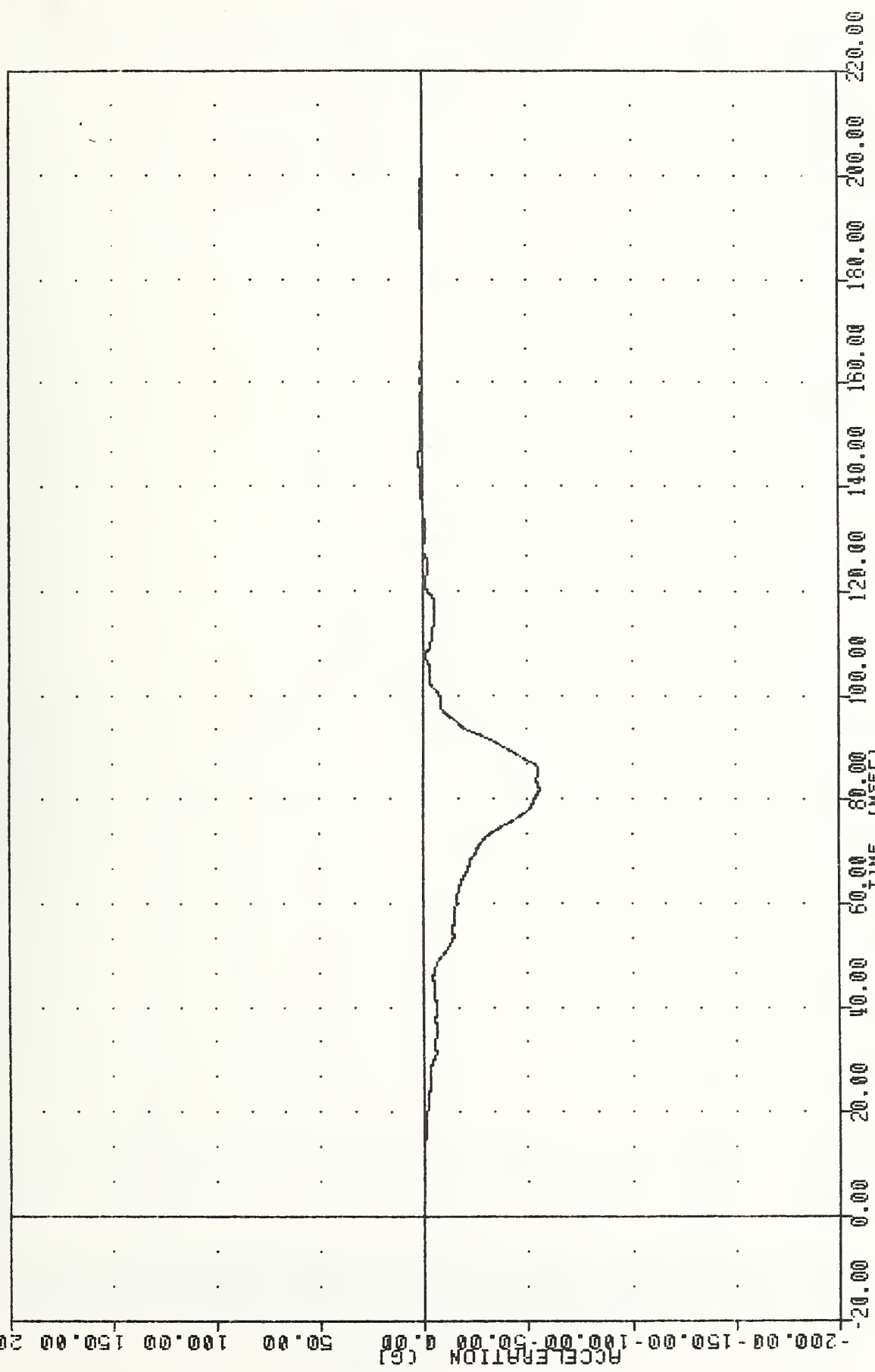


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VRIC
BREED AIRBAG SLED PROGRAM
85134
PEVXG1

PLOT DATE 15-MAY-85 10:30:27
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -55.53e 81.88, 2.54 e 145.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

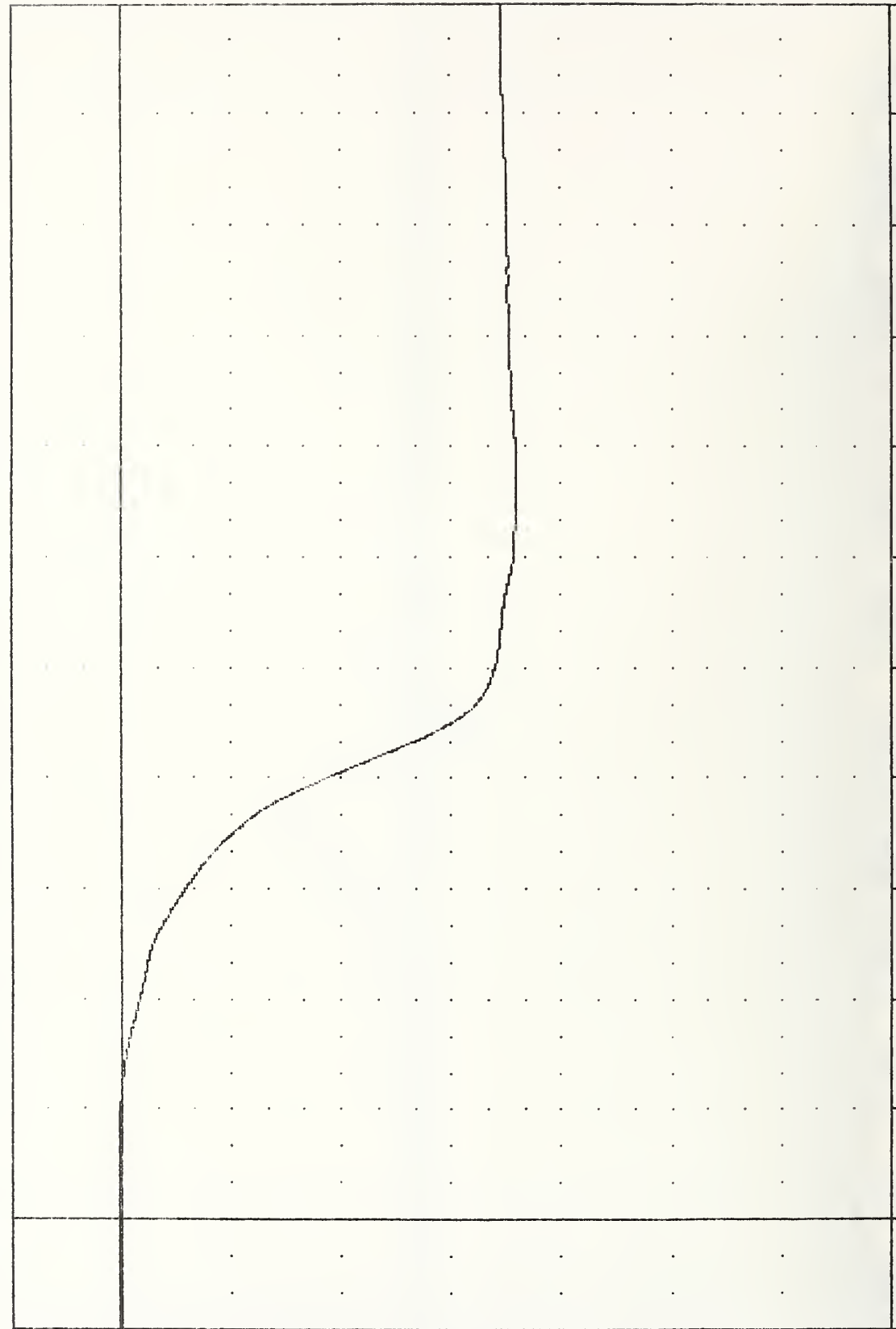
WRTC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 PEVXV1

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -35.918 134.25 , 0.22 8 -2.00

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



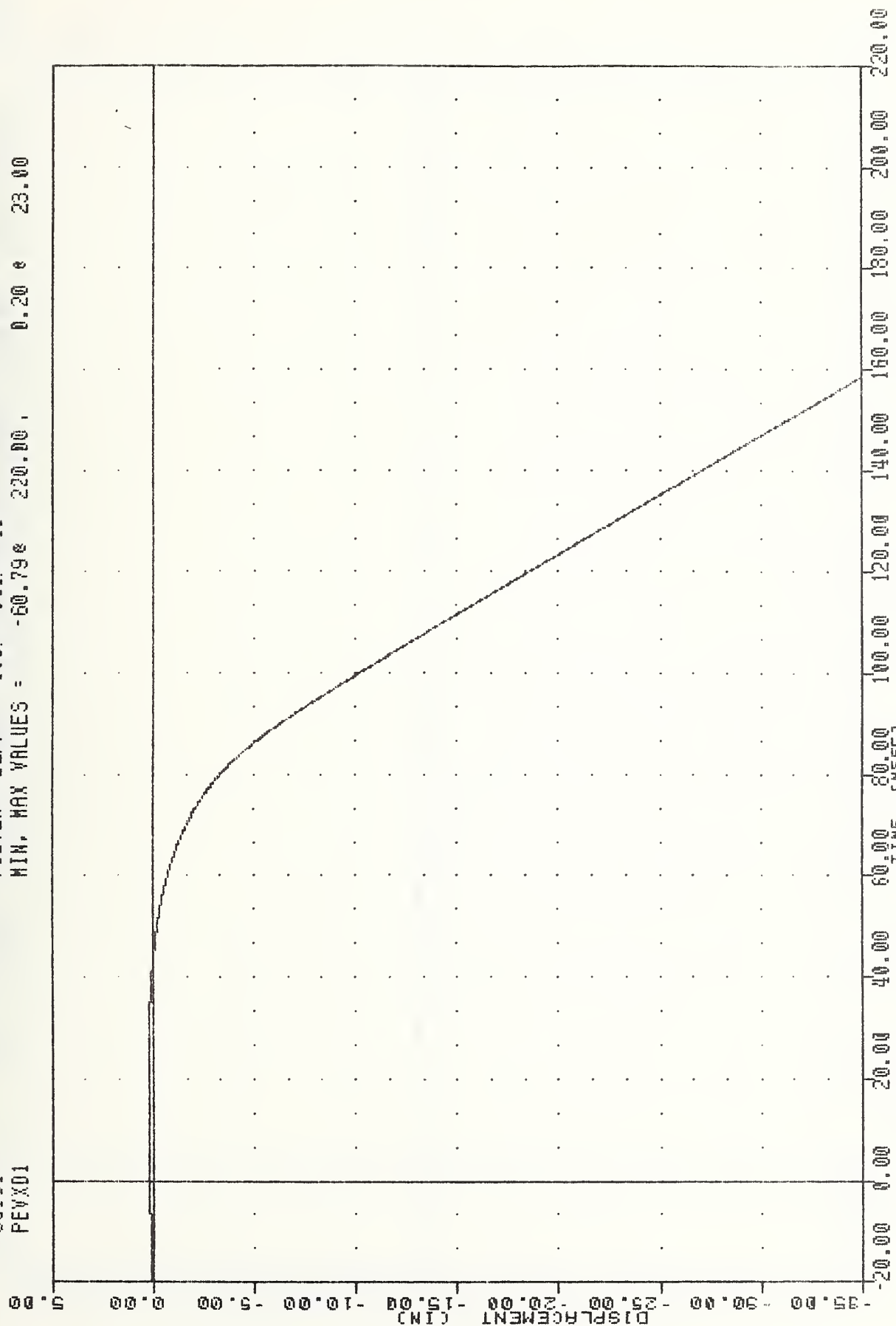
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRTC
BREED AIRBAG SLED PROGRAM
85134
PEVXD1

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -60.79e 220.00 , 0.20 e 23.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING PEVXVI

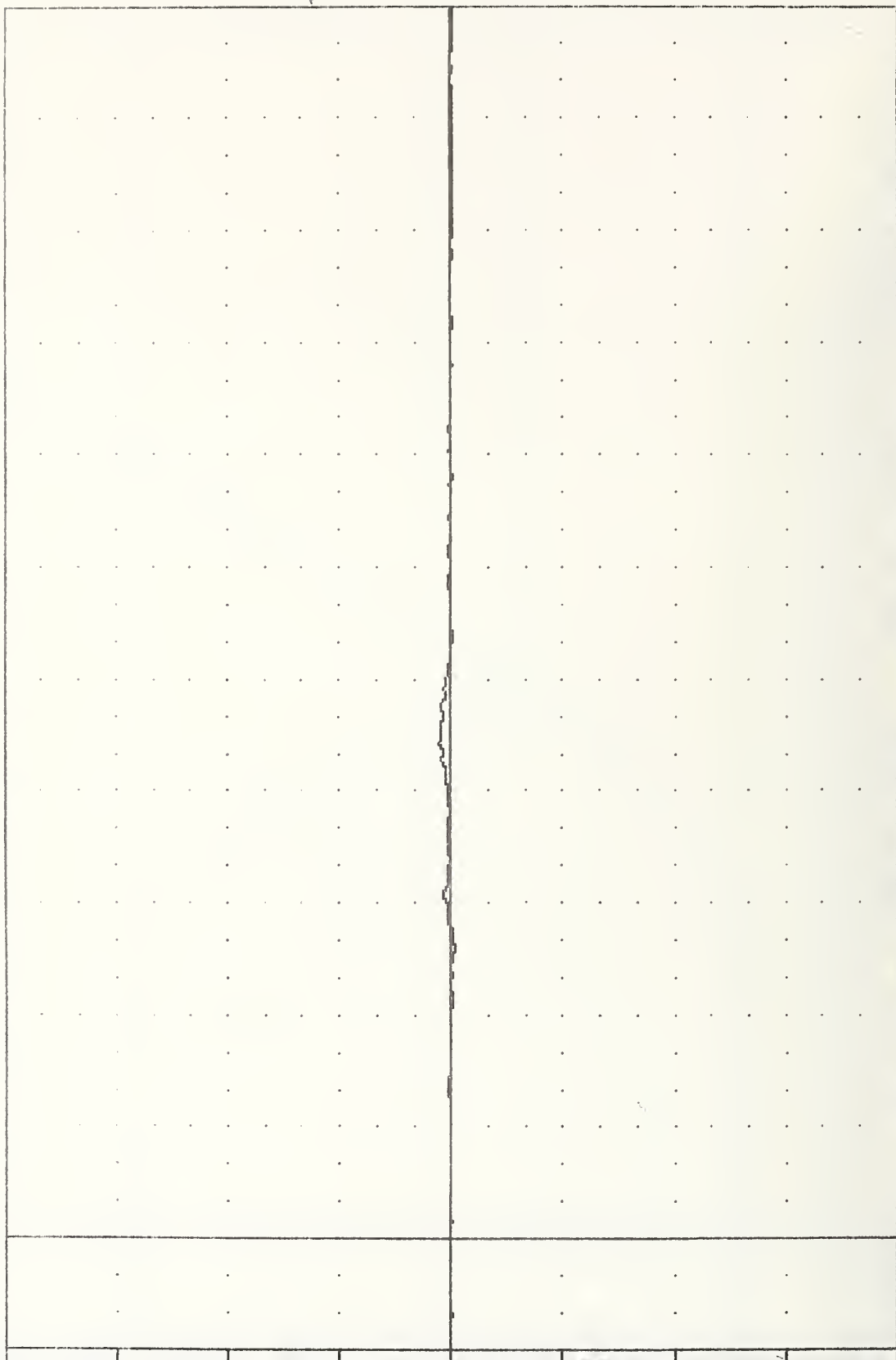
VRTC
BREED AIRBAG SLED PROGRAM
85134
PEVY61

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -1.71g 52.13, 5.15 g, 88.50

ACCELERATION [G]



TIME [MSEC]

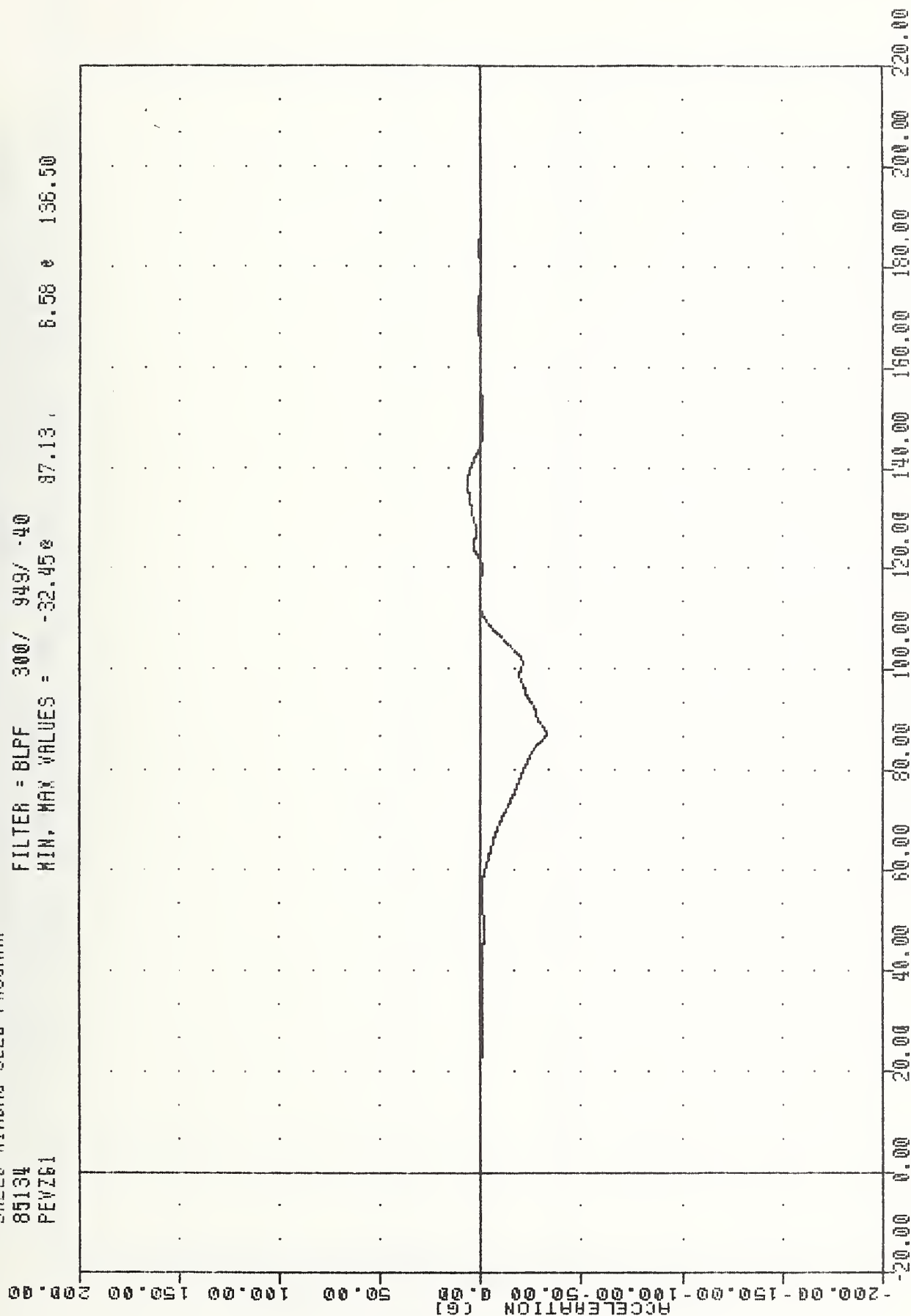
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

WATC , RD384-4-31
BRED AIRBAG SLED PROGRAM
85134
PEVZ61

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -32.45 87.13 6.58 136.50

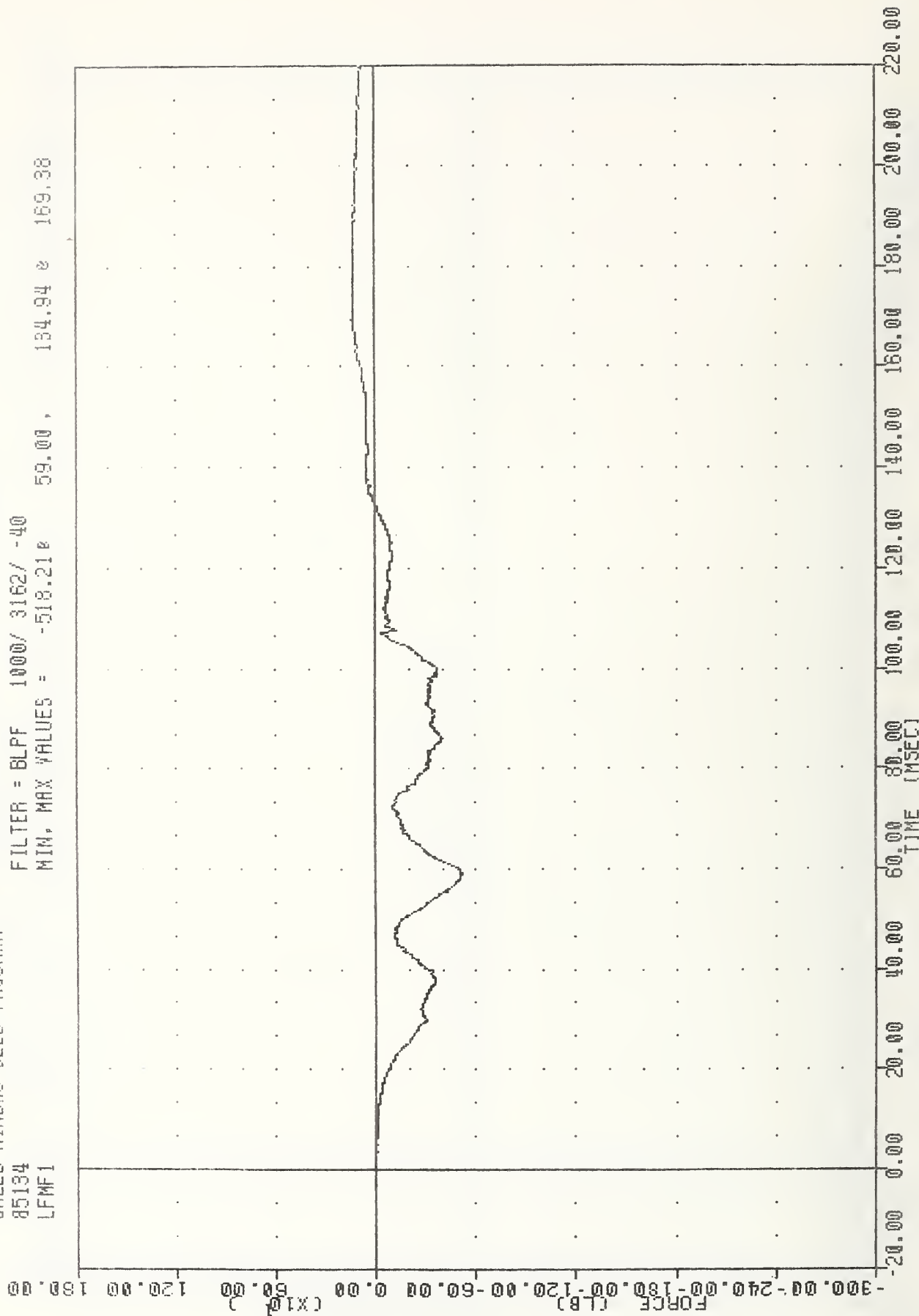


VRTC
BREED AIRBAG SLED PROGRAM
85134
LFMF1

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -518.21e 59.00, 134.94 e 169.38



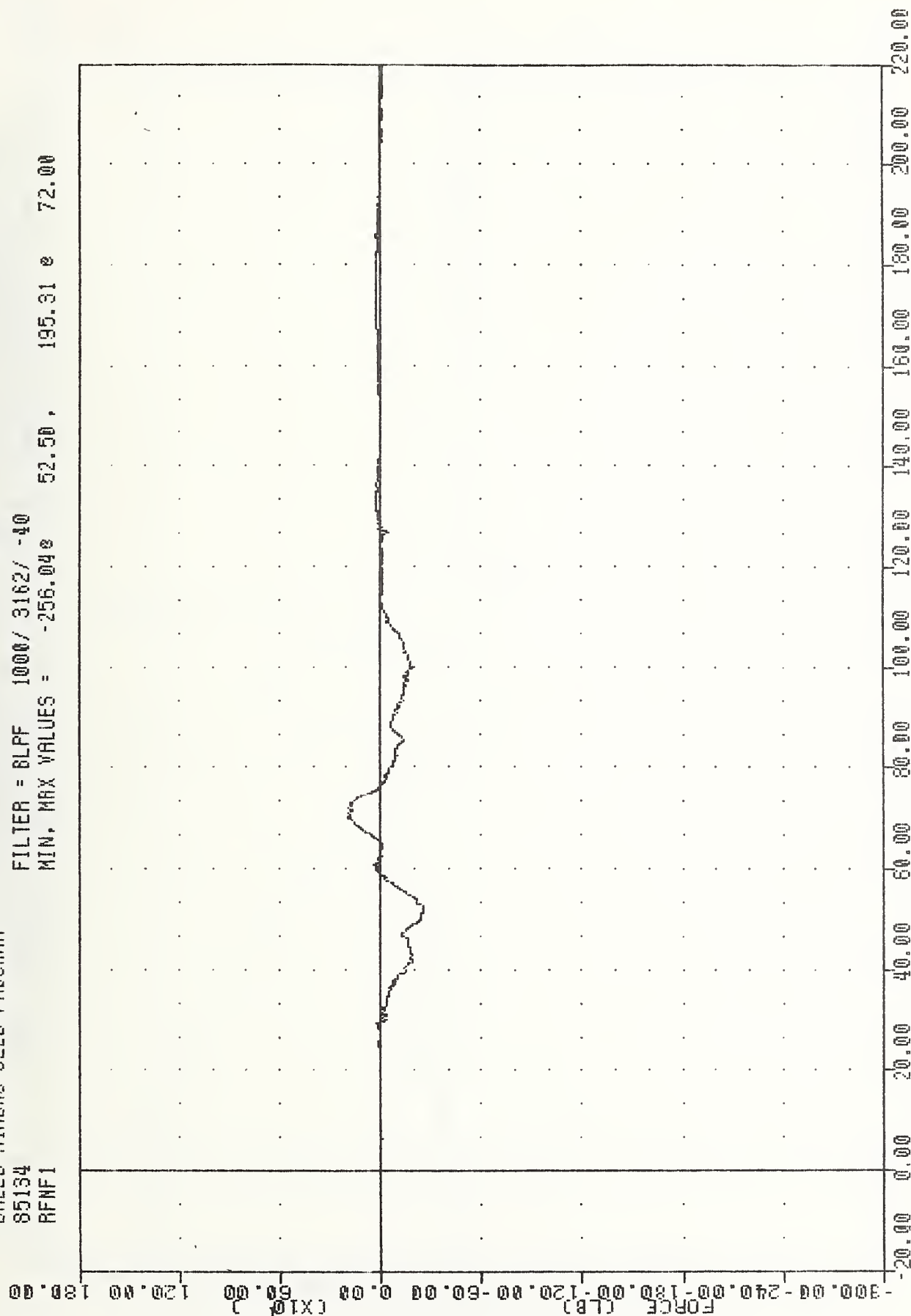
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
RFNF1

PLOT DATE 15-MAY-85 10:30:27

FILTER = 8LPF 1000/ 3162/ -40

MIN. MAX VALUES = -256.048 52.50 , 195.31 0 72.00

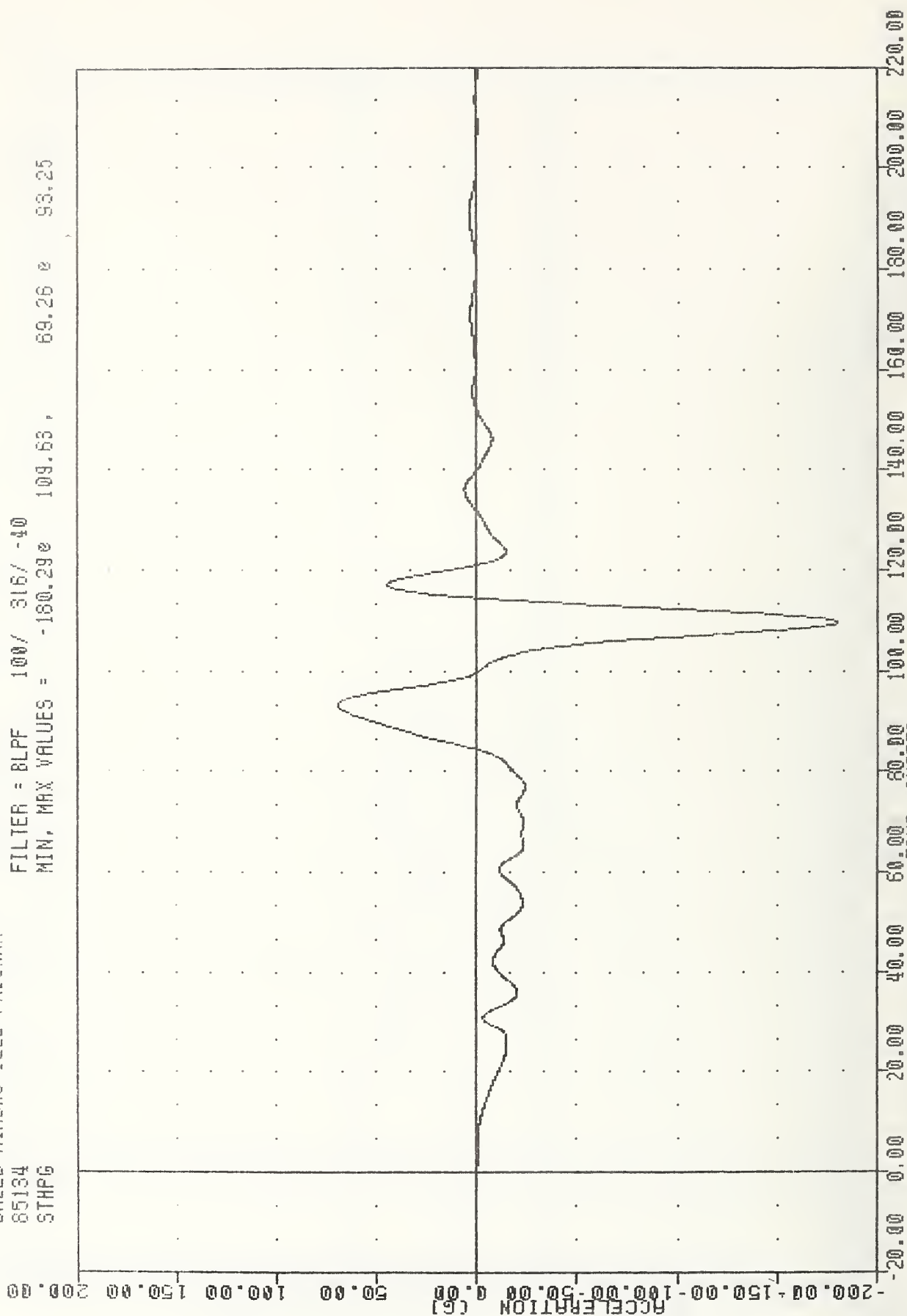


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRIC
BREED AIRBAG SLED PROGRAM
85134
STHPG

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 315/ -40
MIN, MAX VALUES = -180.290 109.63, 69.260 93.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

PLOT DATE 15-MAY-85 10:31:52

VATC , RD384-4-31

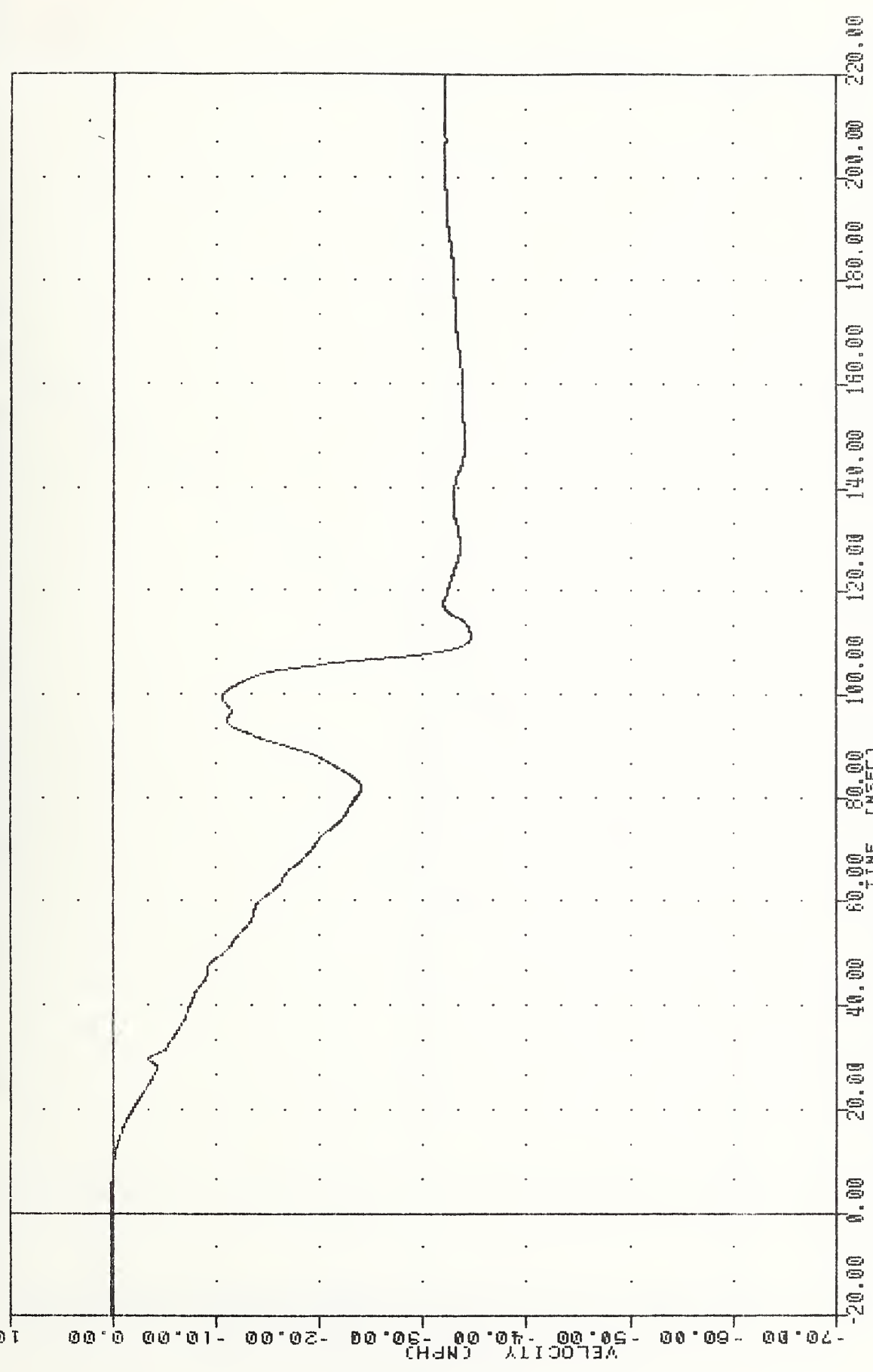
BREED AIRBAG SLED PROGRAM

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -34.66e 111.13 ,

0.17 e -18.75

85134
STHPV



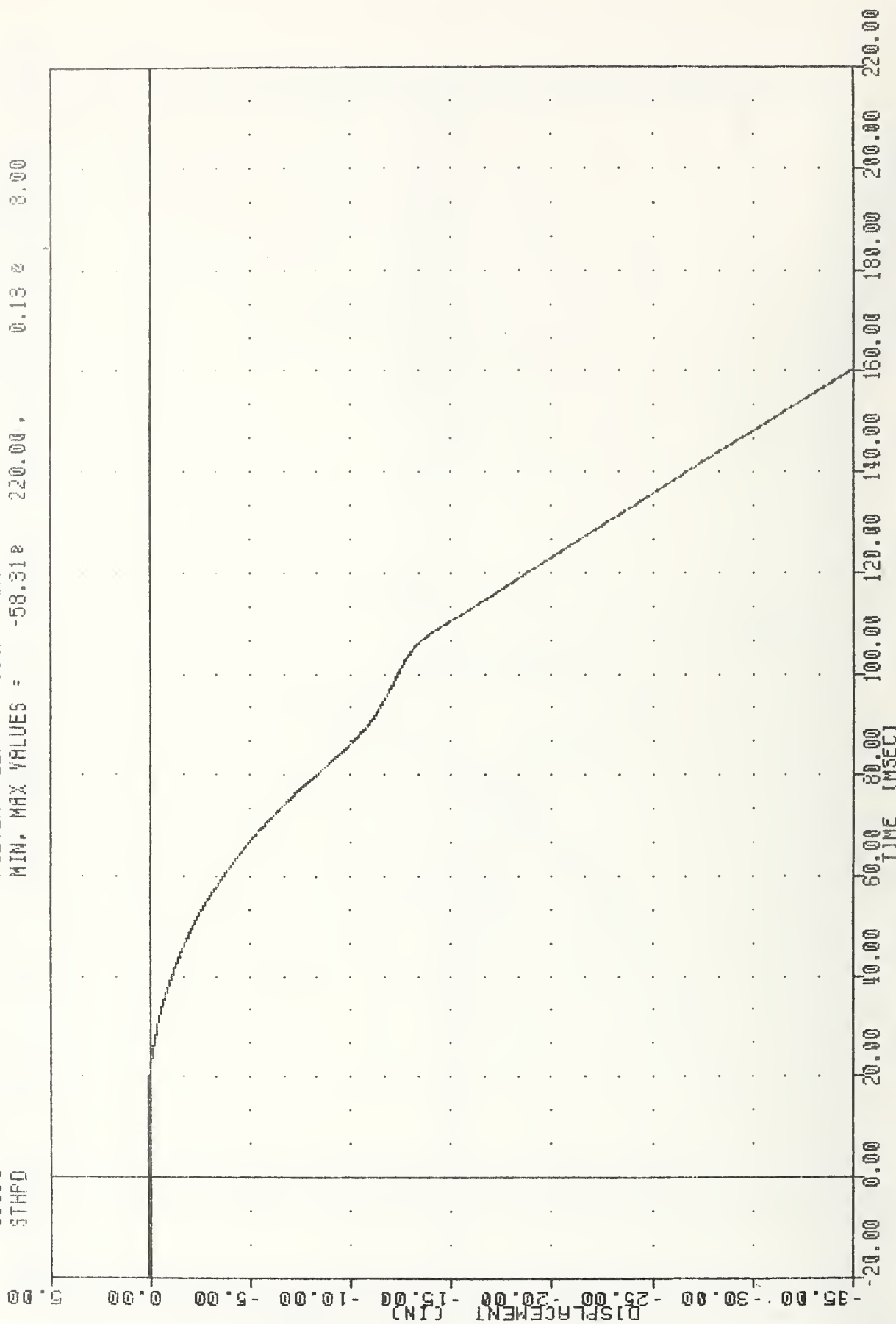
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING STHPG

VRTC , R0384-4-31
BREED AIRBAG SLED PROGRAM
85134
STHFD

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -58.31e 220.00, 0.13 e 8.00



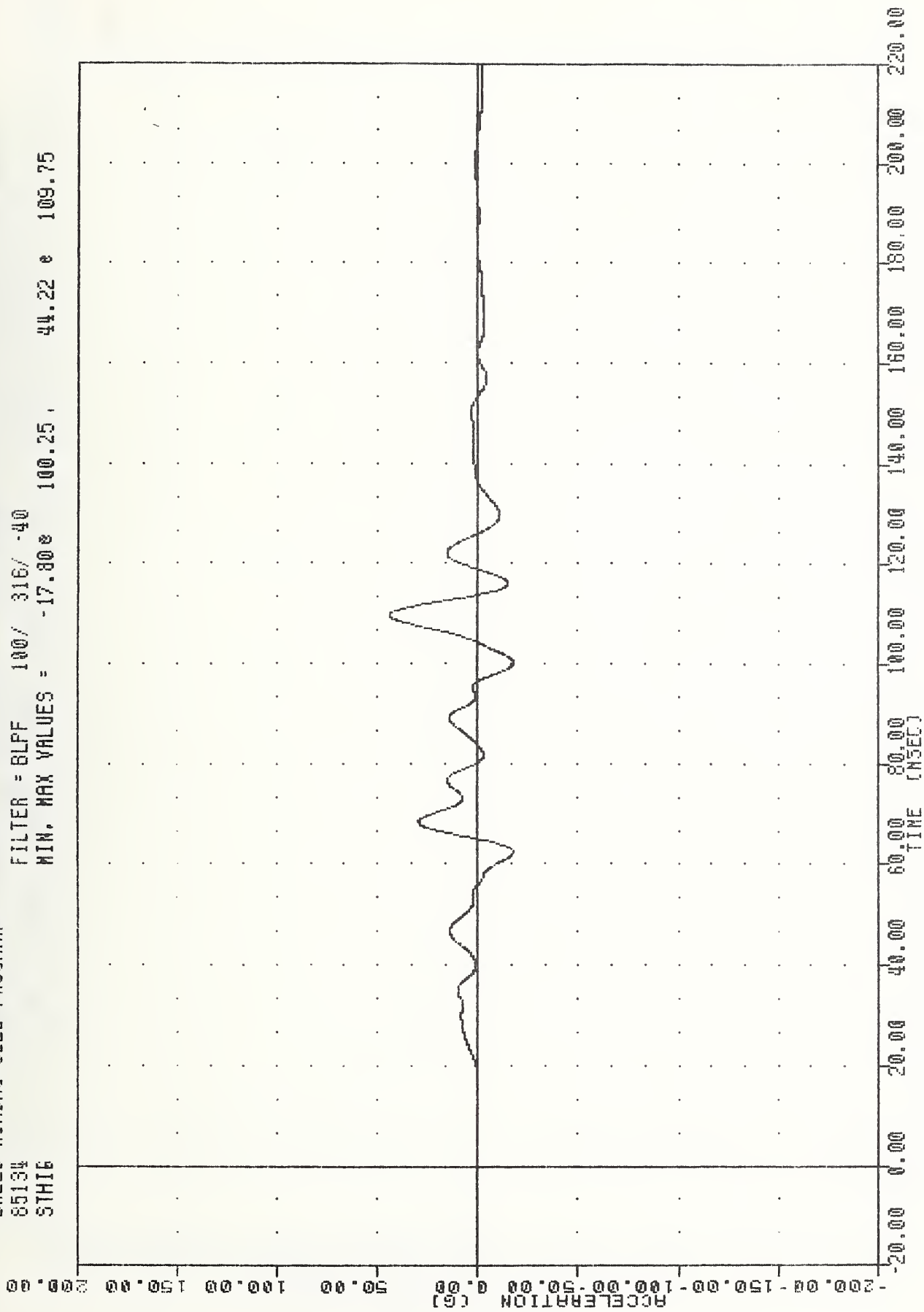
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING STHPV

VRIC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
STH16

PLOT DATE 15-MAY-85 10:50:27

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -17.80e 100.25 , 44.22 e 109.75

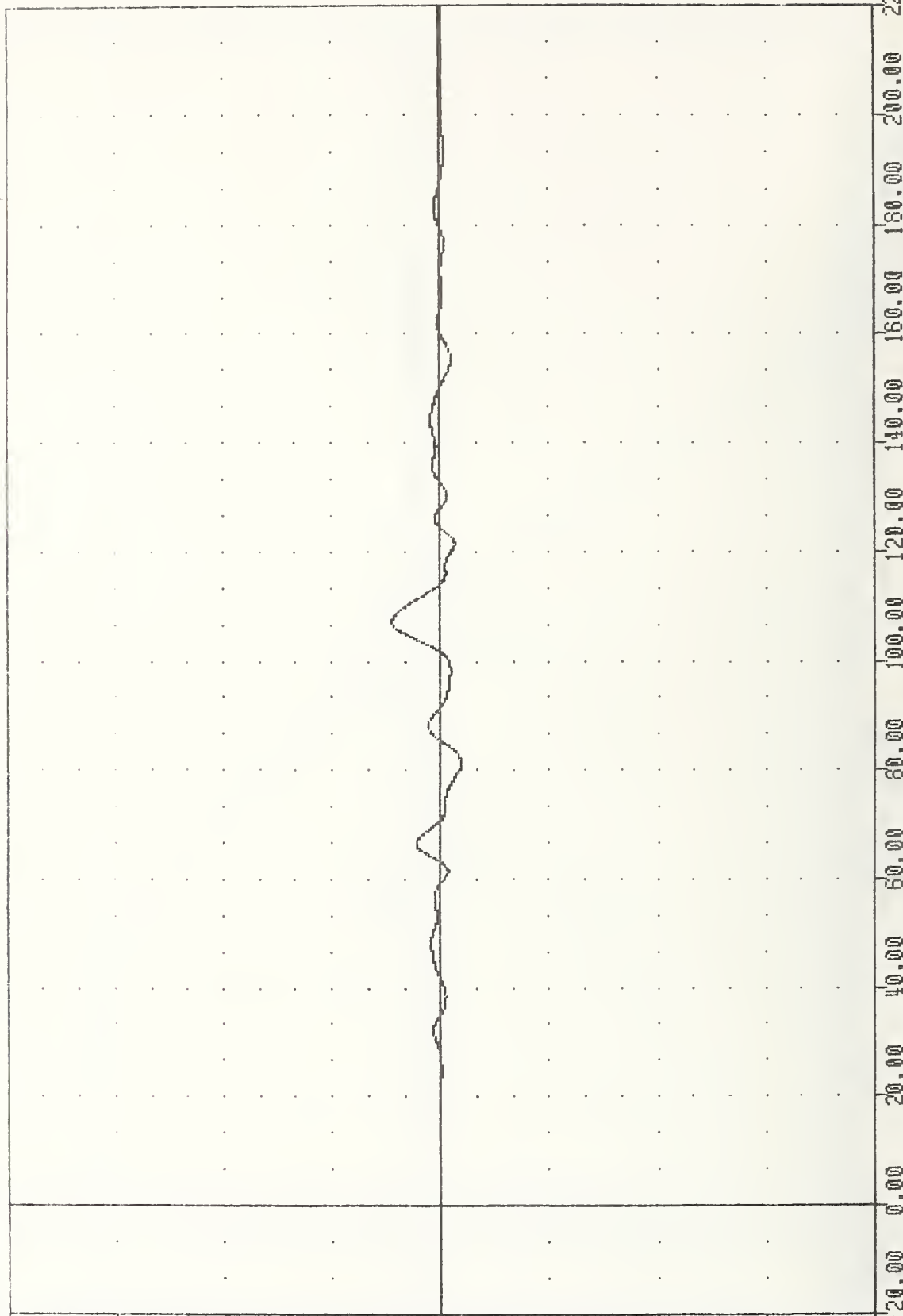


VRTC
 BASED AIRBAG SLED PROGRAM
 85134
 STHLG

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = -9.128 81.13, 22.19 107.13

ACCELERATION (G)



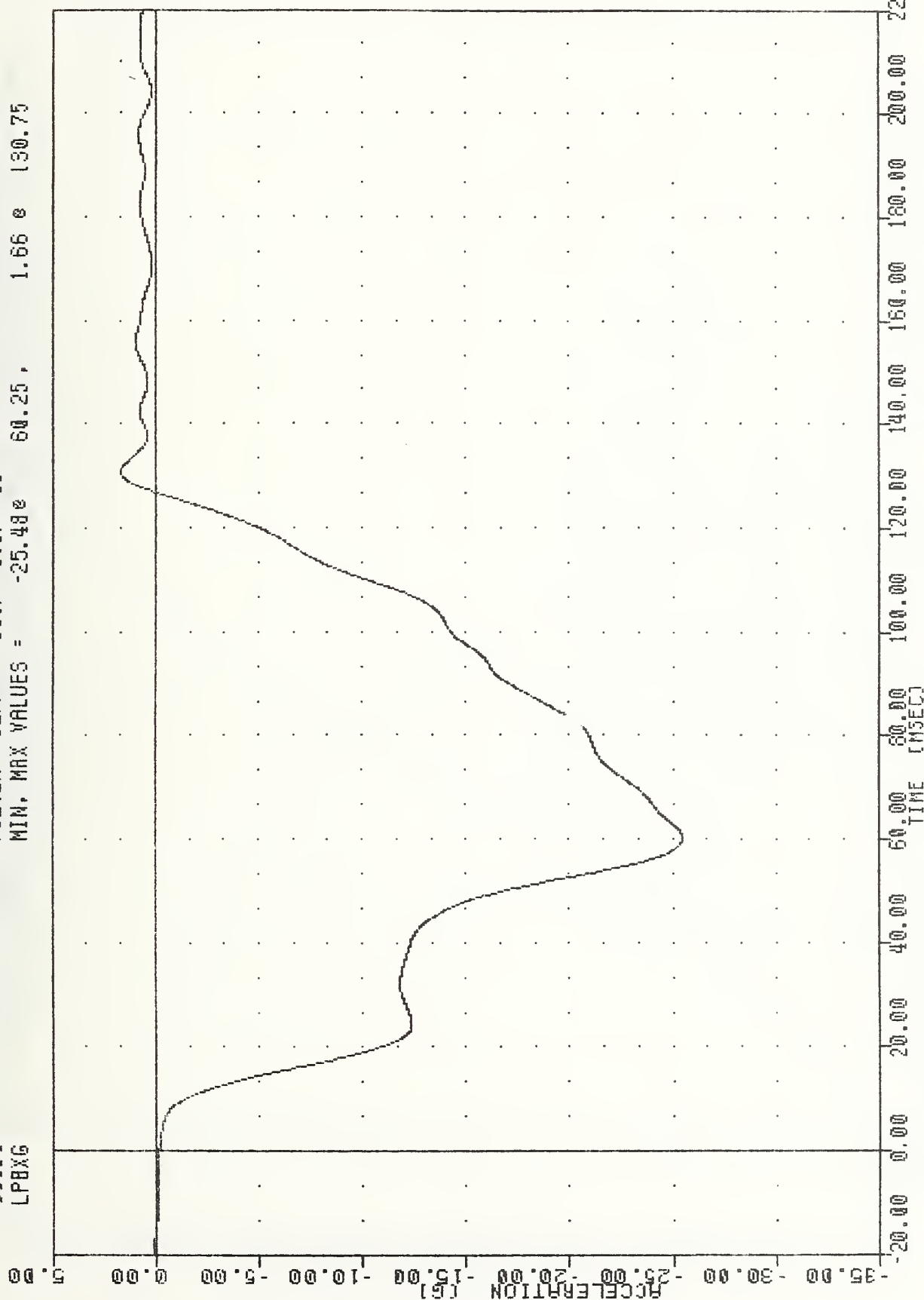
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION M-L AXIS

VRIC , RD384-4-31
BREED AIRBAG SLED PROGRAM
25134
LPBXG

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.48e 60.25, 1.66 e 130.75



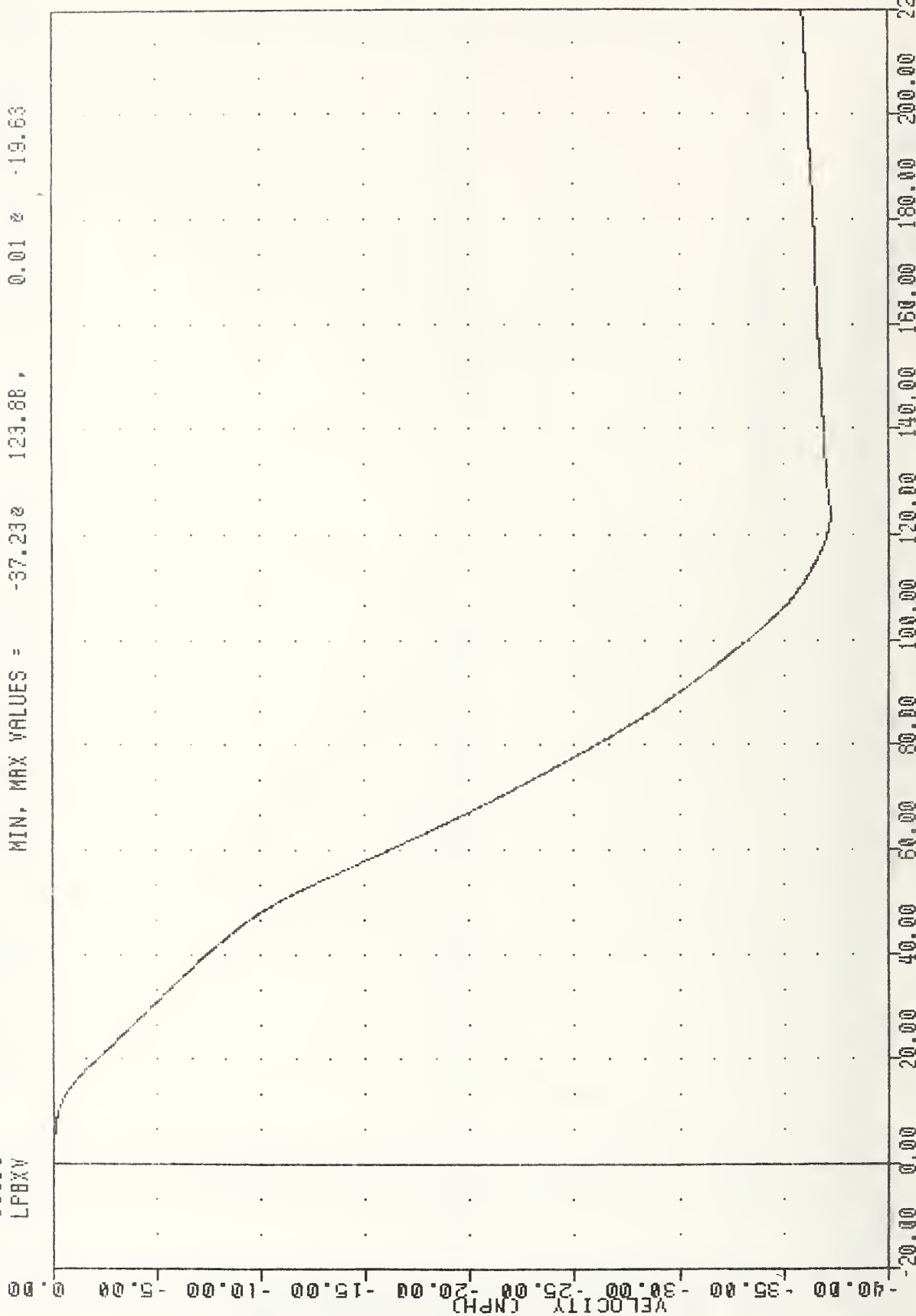
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , R0384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 LPBXV

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.23e 123.88, 0.01 e -19.63



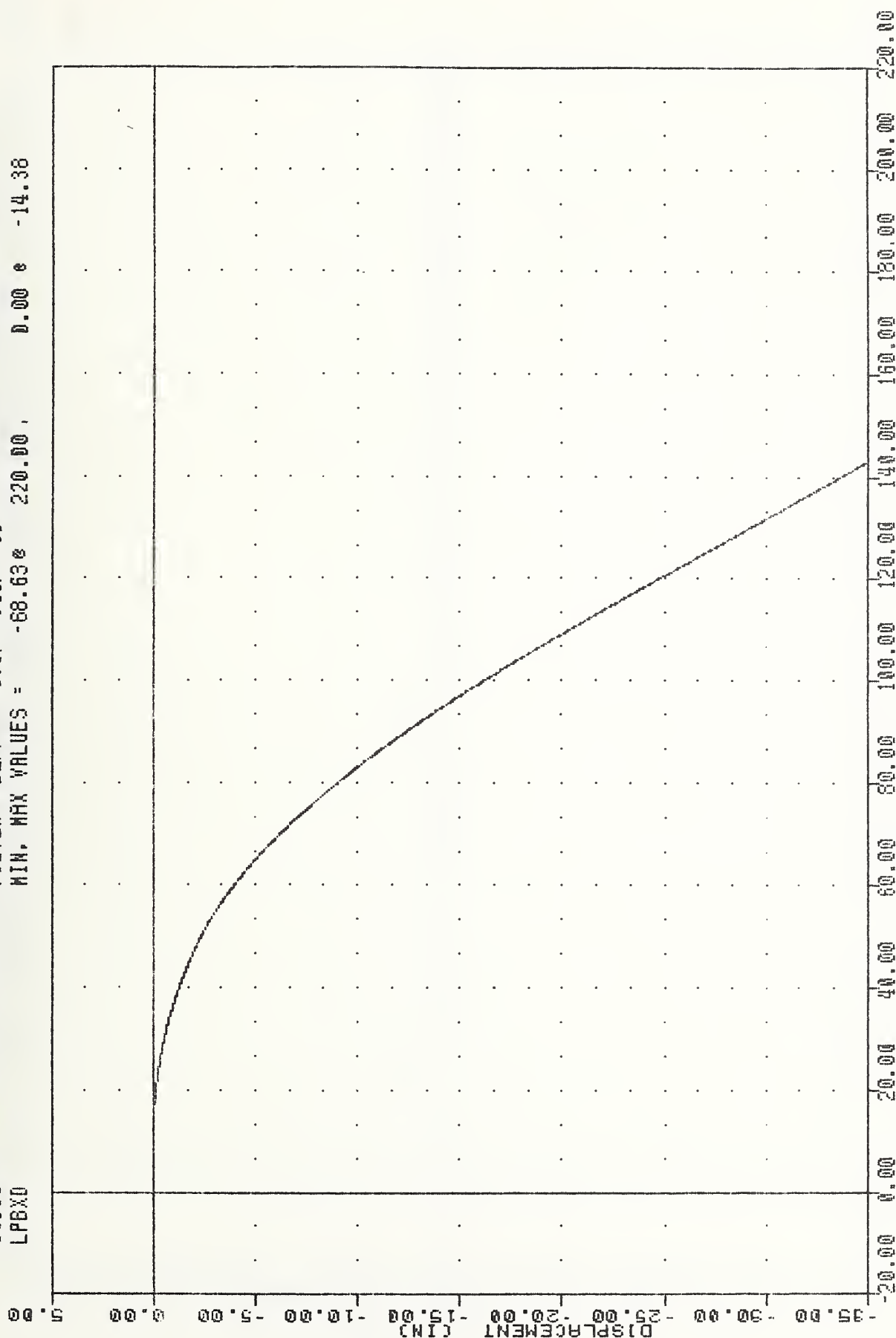
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING LPBXG

VRTC RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 LPBXD

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -68.63 220.00 0.00 e -14.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

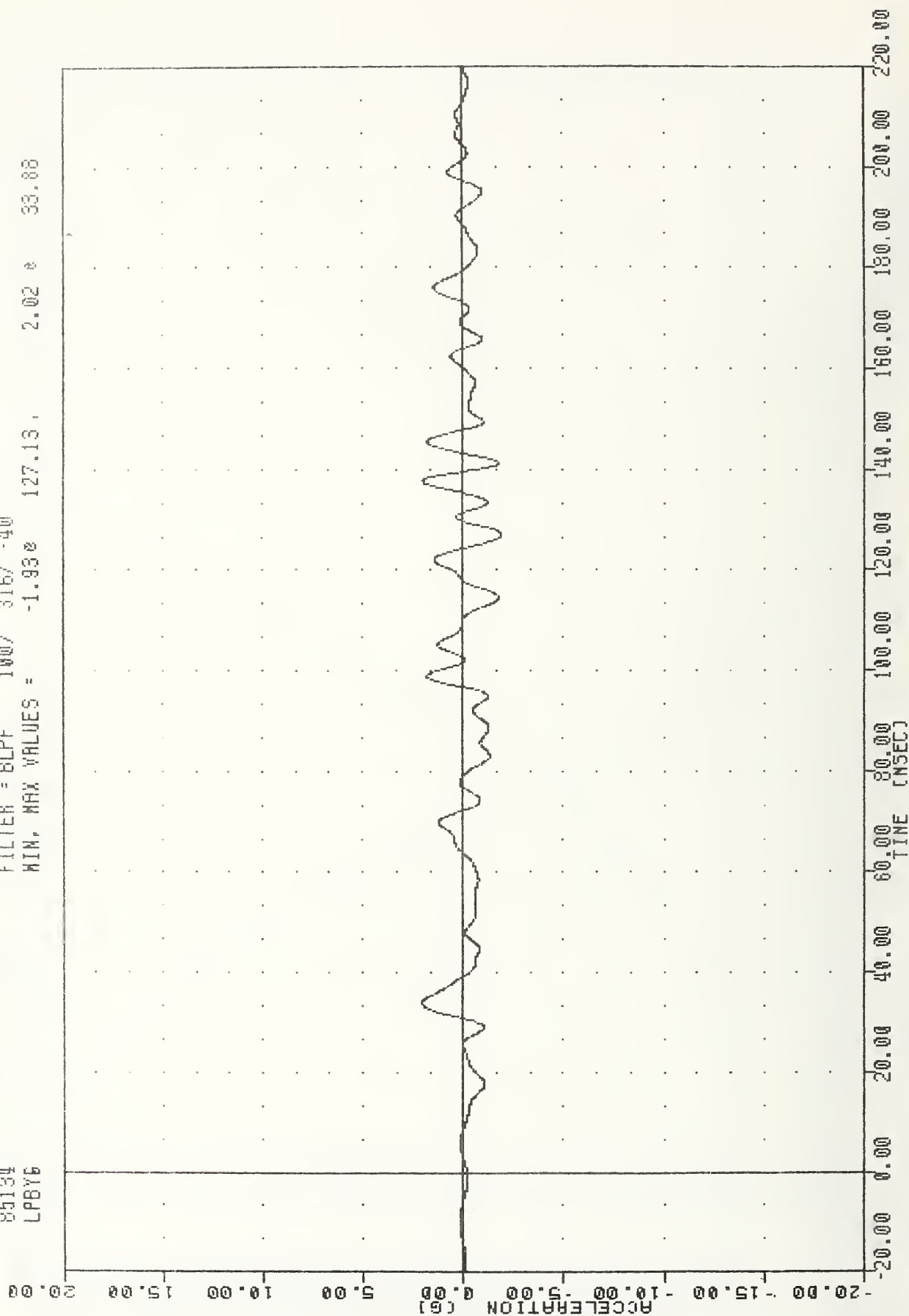
DELTA X USING LPBXV

VRTC
 BREED AIRBAG SLED PROGRAM
 85134
 LPBY6

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.93e 127.13, 2.02 e 33.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION Y AXIS

NRTC
BRAED AIRBAG SLED PROGRAM
85134
LPBZG

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.37e 132.50 , 1.77 e 137.68

20.00

15.00

10.00

5.00

0.00

-5.00

-10.00

-15.00

-20.00

ACCELERATION (G)

-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

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210.00

215.00

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225.00

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685.00

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695.00

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705.00

710.00

715.00

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725.00

730.00

735.00

740.00

745.00

750.00

755.00

760.00

765.00

770.00

775.00

780.00

785.00

790.00

795.00

800.00

805.00

810.00

815.00

820.00

825.00

830.00

835.00

840.00

845.00

850.00

855.00

860.00

865.00

870.00

875.00

880.00

885.00

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895.00

900.00

905.00

910.00

915.00

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935.00

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955.00

960.00

965.00

970.00

975.00

980.00

985.00

990.00

995.00

1000.00

1005.00

1010.00

1015.00

1020.00

1025.00

1030.00

1035.00

1040.00

1045.00

1050.00

1055.00

1060.00

1065.00

1070.00

1075.00

1080.00

1085.00

1090.00

1095.00

1100.00

1105.00

1110.00

1115.00

1120.00

1125.00

1130.00

1135.00

1140.00

1145.00

1150.00

1155.00

1160.00

1165.00

1170.00

1175.00

1180.00

1185.00

1190.00

1195.00

1200.00

1205.00

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1460.00

1465.00

1470.00

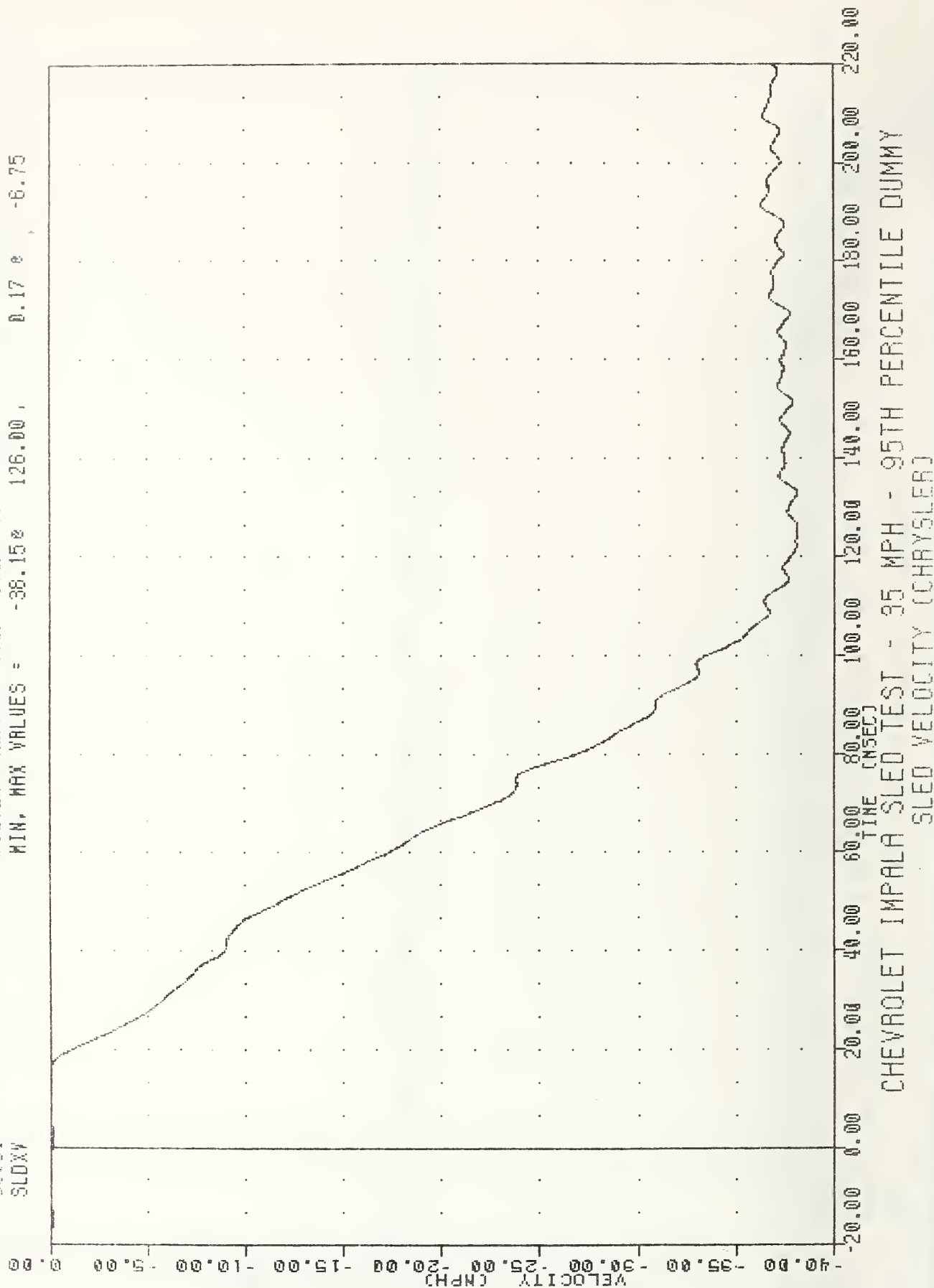
1475.00

V8TC
 BREED AIRBAG SLED PROGRAM
 85134
 SLDXV

PLUT DATE 15-MAY-85 10:20.7

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -38.15 126.00, 0.17 8, -6.75

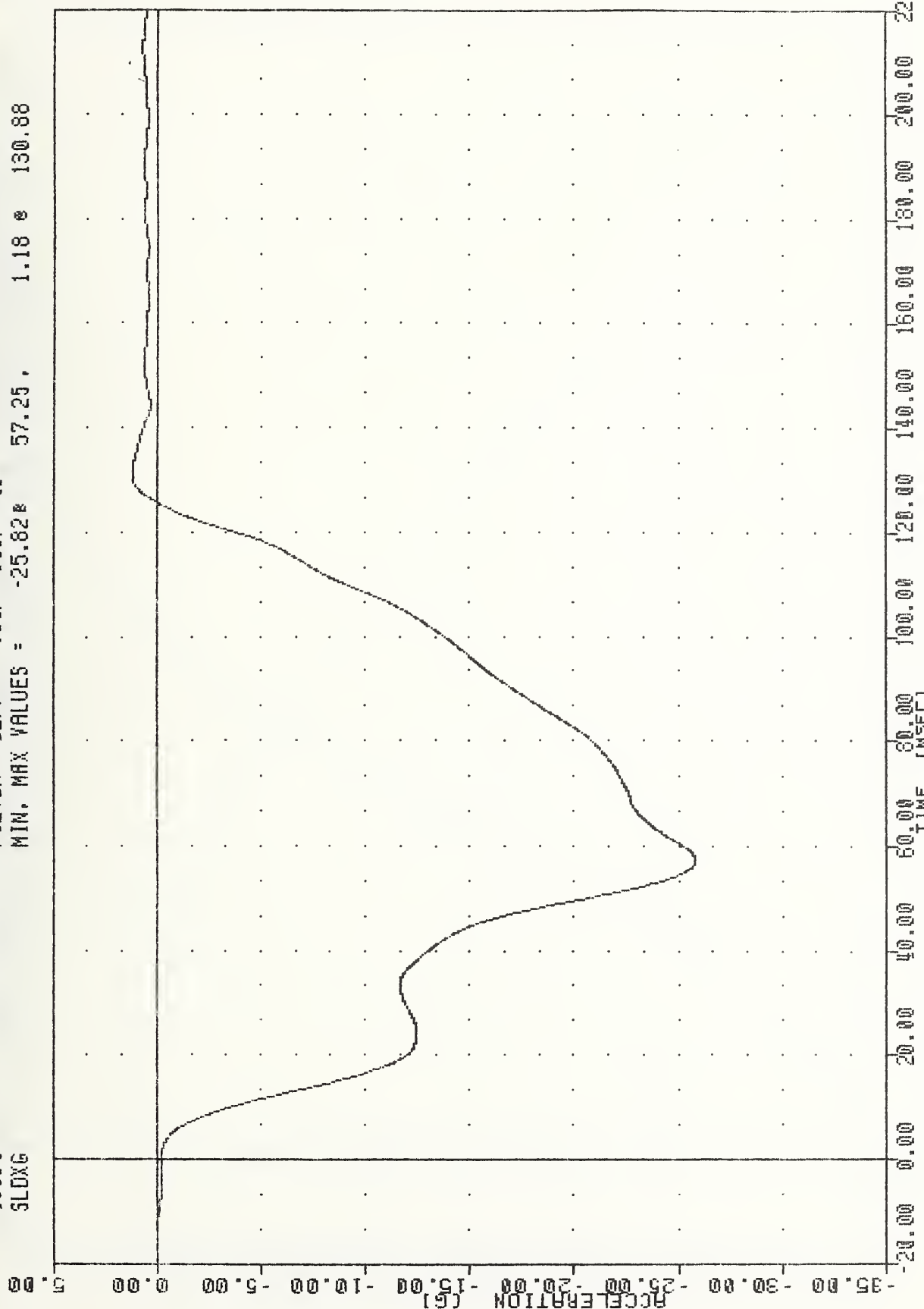


WRTC . R0384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 SLDXG

PLOT DATE 15-MAY-85 10:30:27

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.82 57.25, 1.18 130.88



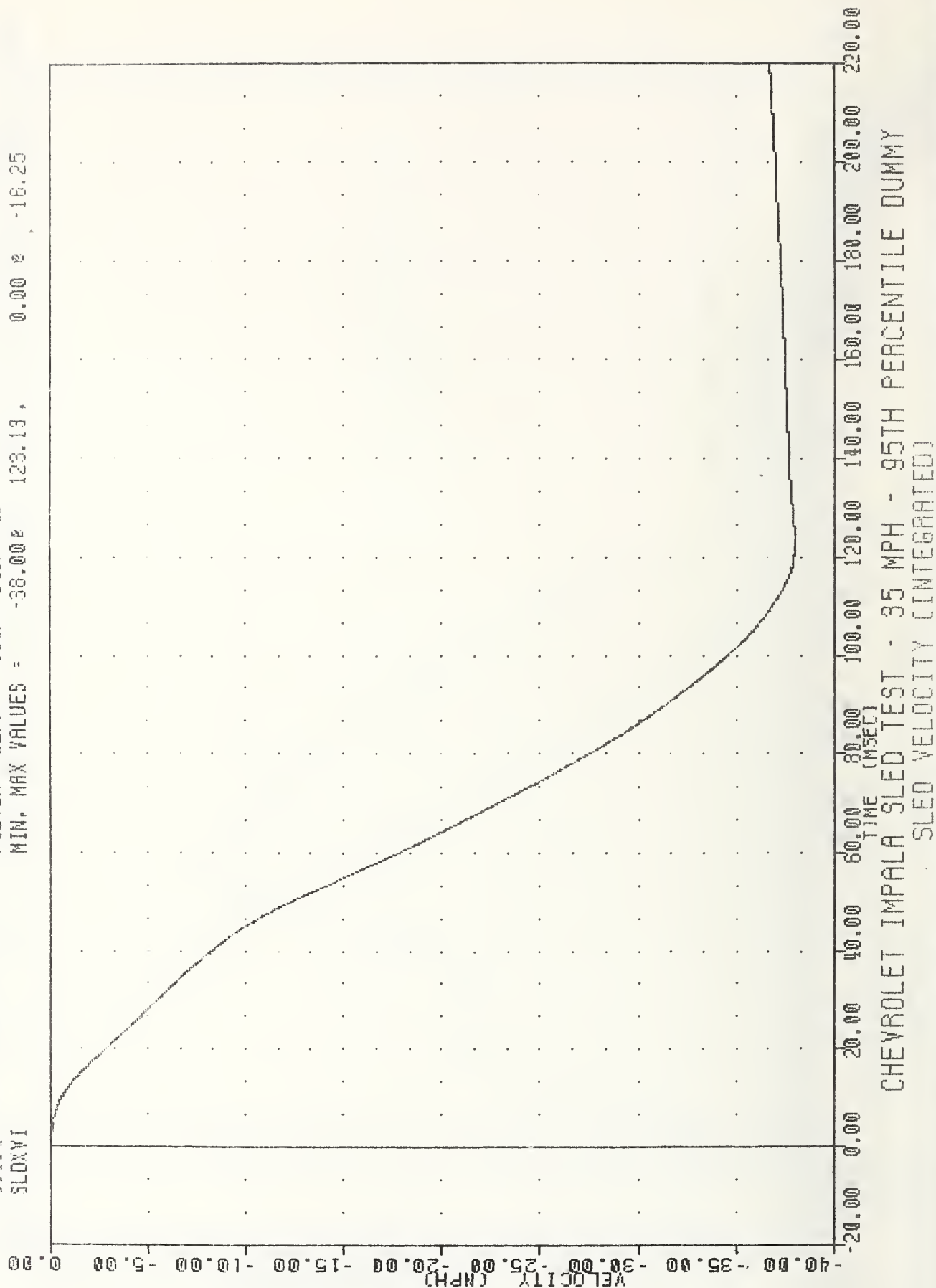
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 SLED ACCELERATION

VRTC
BREED AIRBAG SLED PROGRAM
85134
SLOXYI

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -38.000 123.13, 0.00 2, -16.25

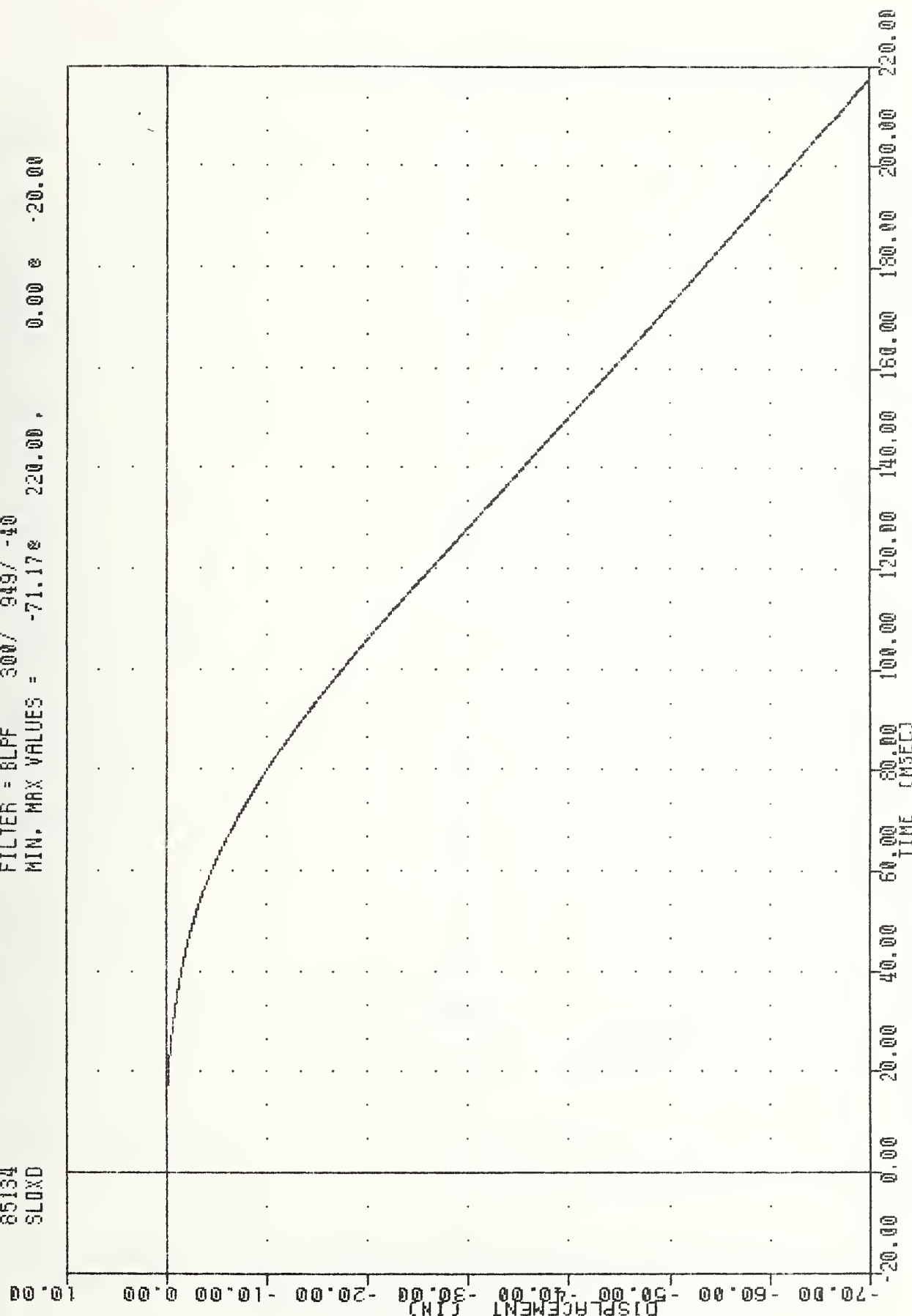


WRTC
 BREED AIRBAG SLED PROGRAM
 85134
 SLOXD

PLOT DATE 15-MAY-85 10:31:52

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -71.178 220.00, 0.00 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

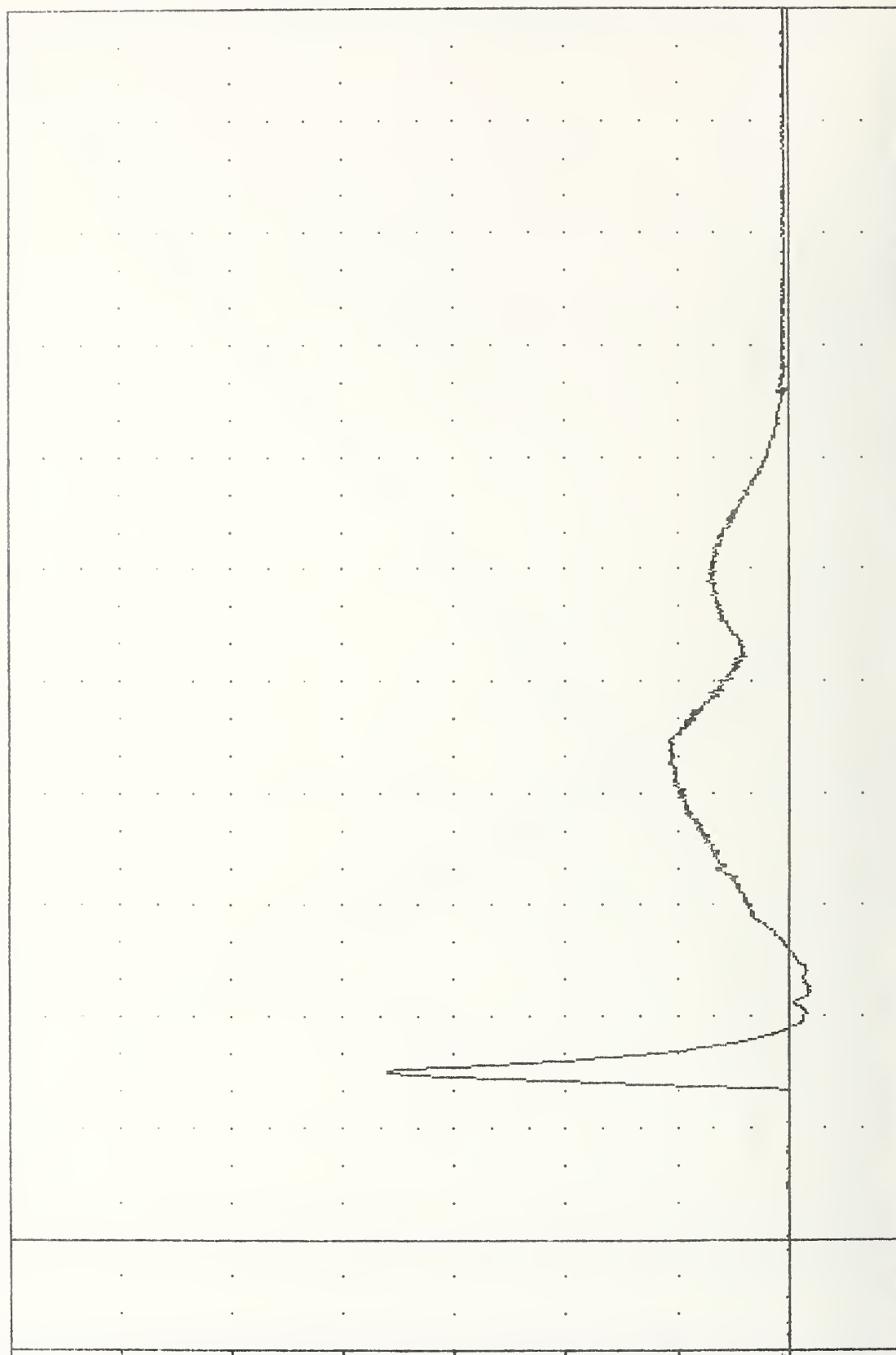
VRTC , R0384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 ABTP

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.06e 44.88 , 35.99 e , 30.13

PRESSURE (PSIG)
 70.00
 60.00
 50.00
 40.00
 30.00
 20.00
 10.00
 0.00
 -10.00



-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)

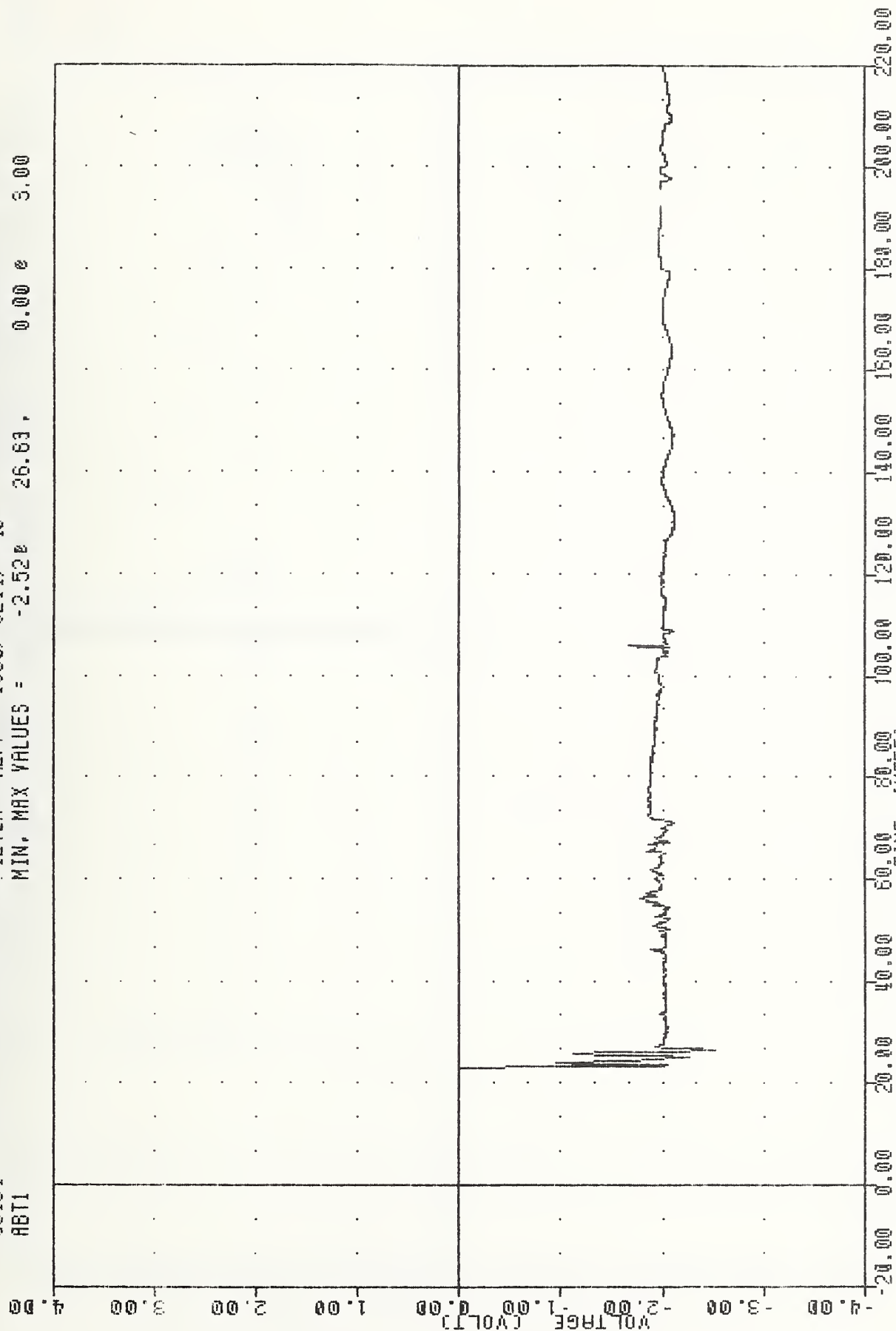
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 AIRBAG PRESSURE

NR7C
BREED AIRBAG SLED PROGRAM
85134
RBT1

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.52 26.63, 0.00 3.00

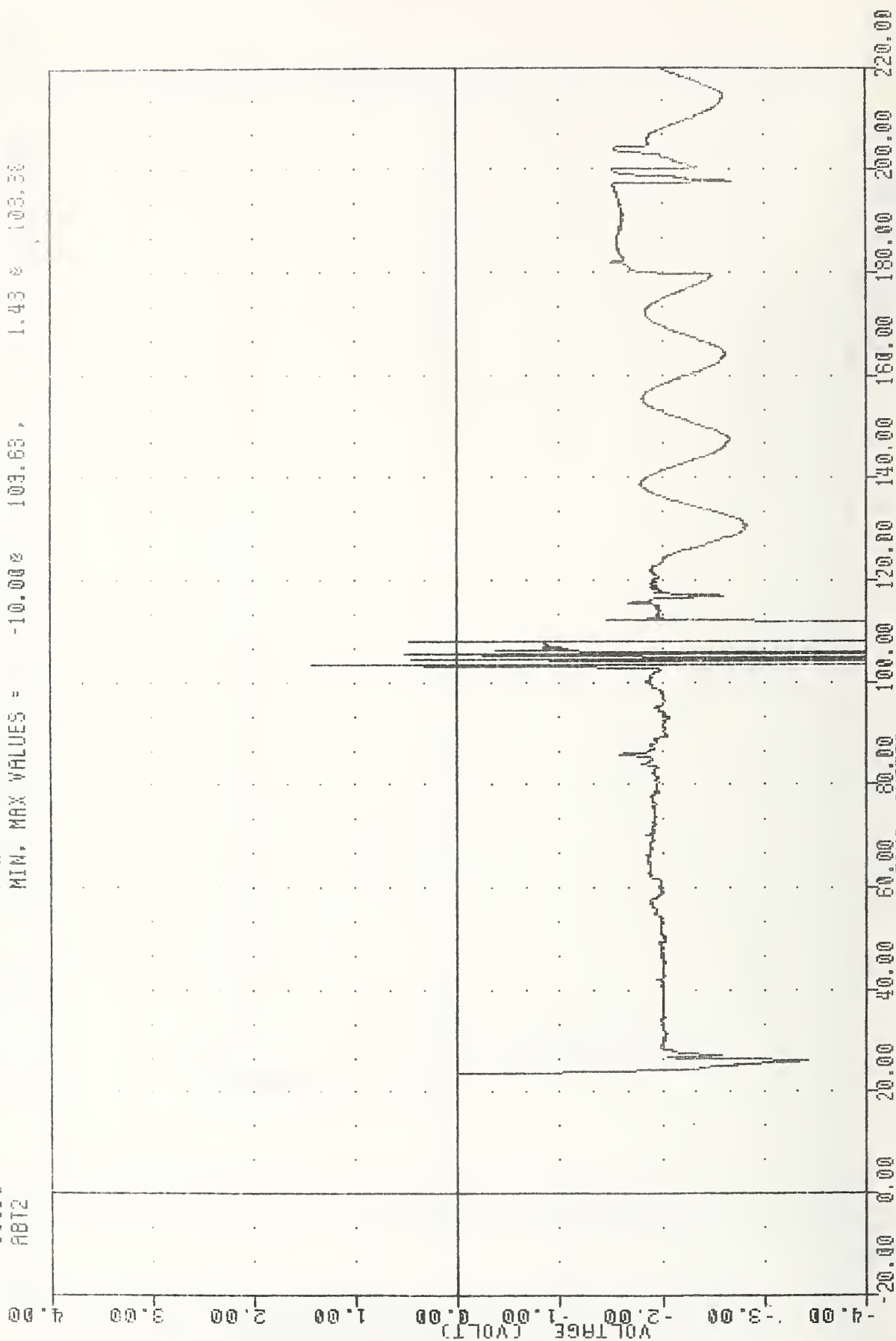


VR10 , R0304-4-31
BREED AIRBAG SLED PROGRAM
85134
ABT2

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -10.000 103.63, 1.43 103.36



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

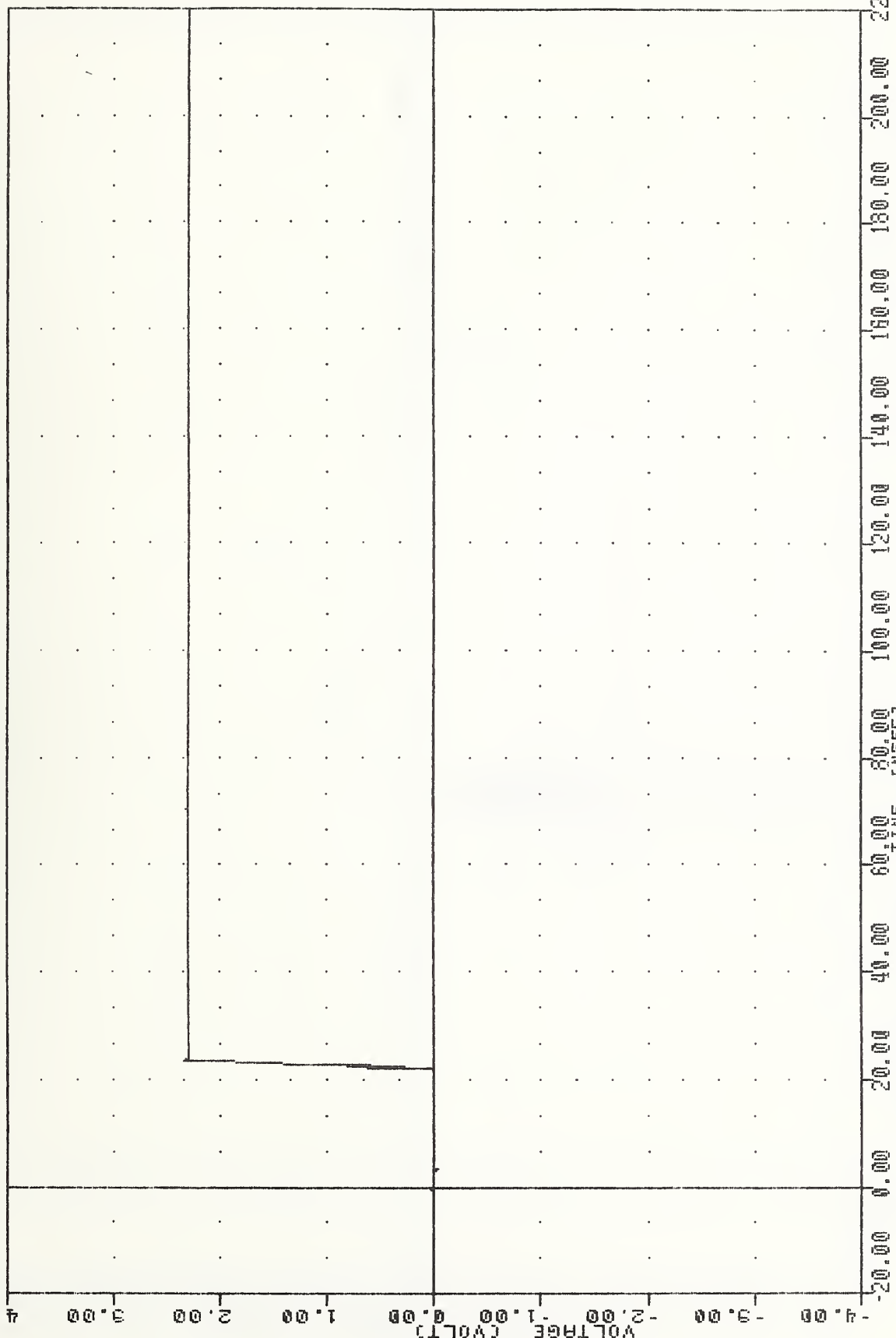
WATC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 RBT3

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.030

2.34 23.63



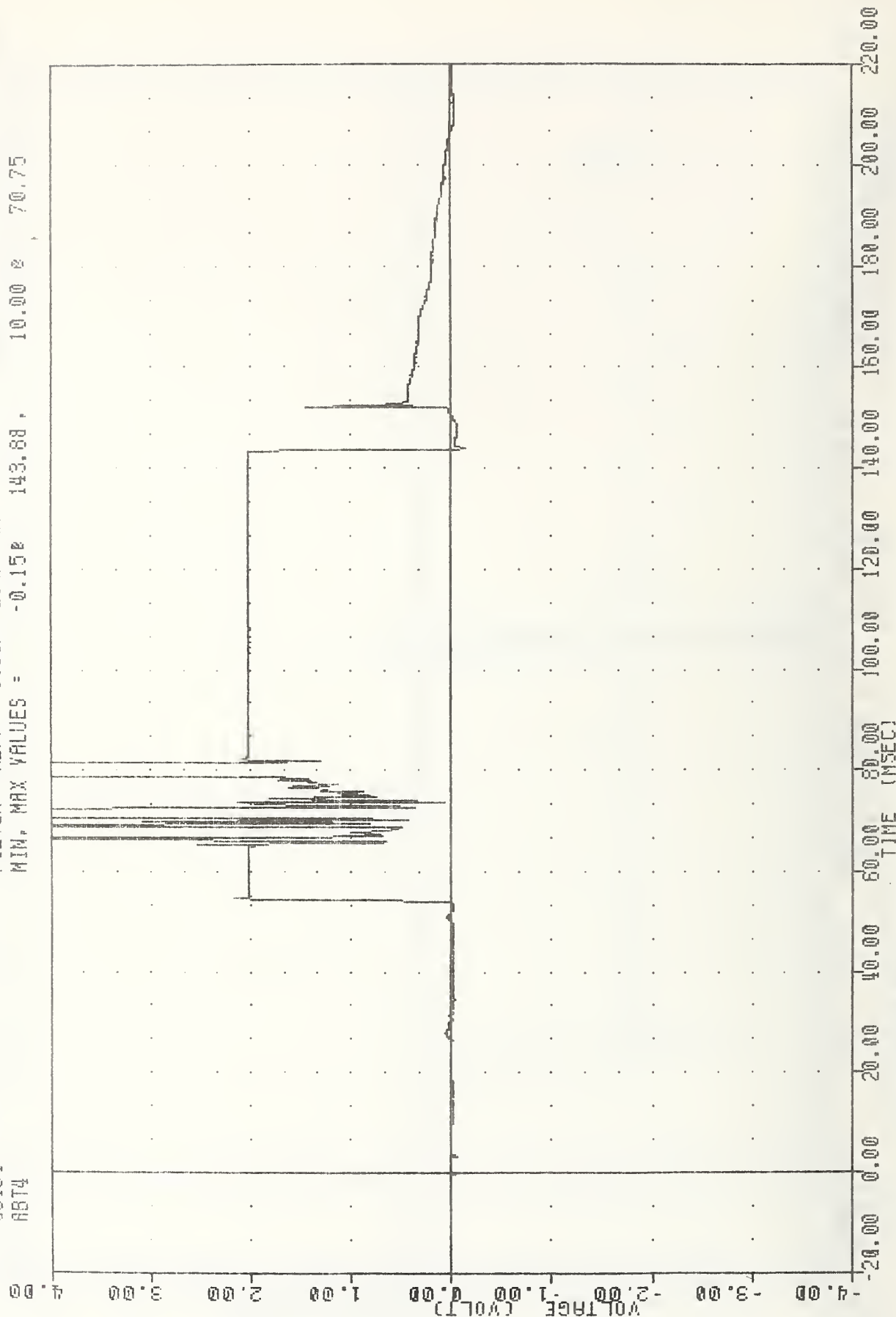
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VRTC
BREED AIRBAG SLED PROGRAM
85134
AST4

PLOT DATE 15-MAY-85 10:30:27

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.15e 143.88, 10.00 e, 70.75



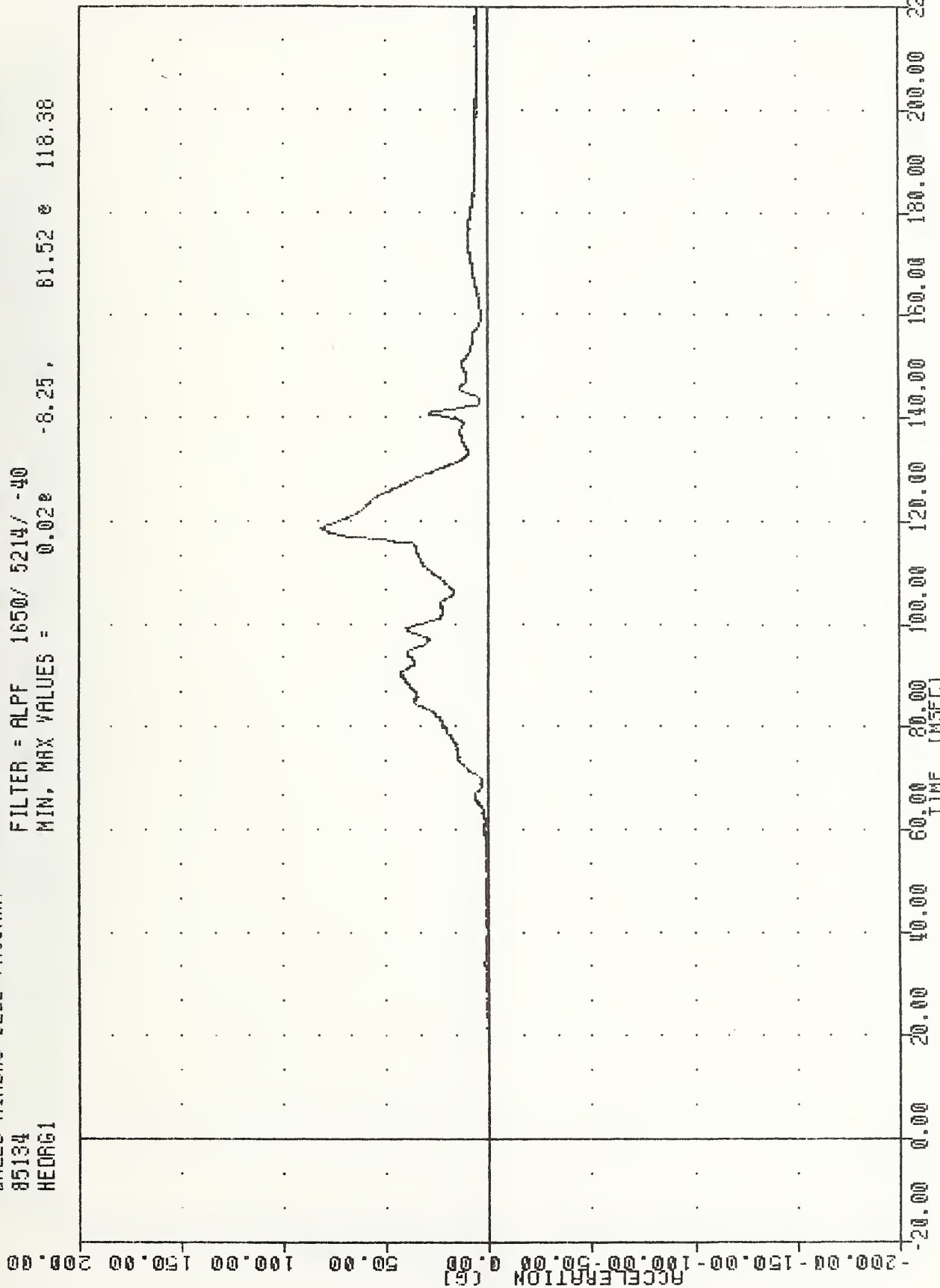
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
KNEE CONTACT

VRTC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
HEADG1

PLOT DATE 15-MAY-85 10:32:32

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.02e -8.25, 81.52 e 118.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

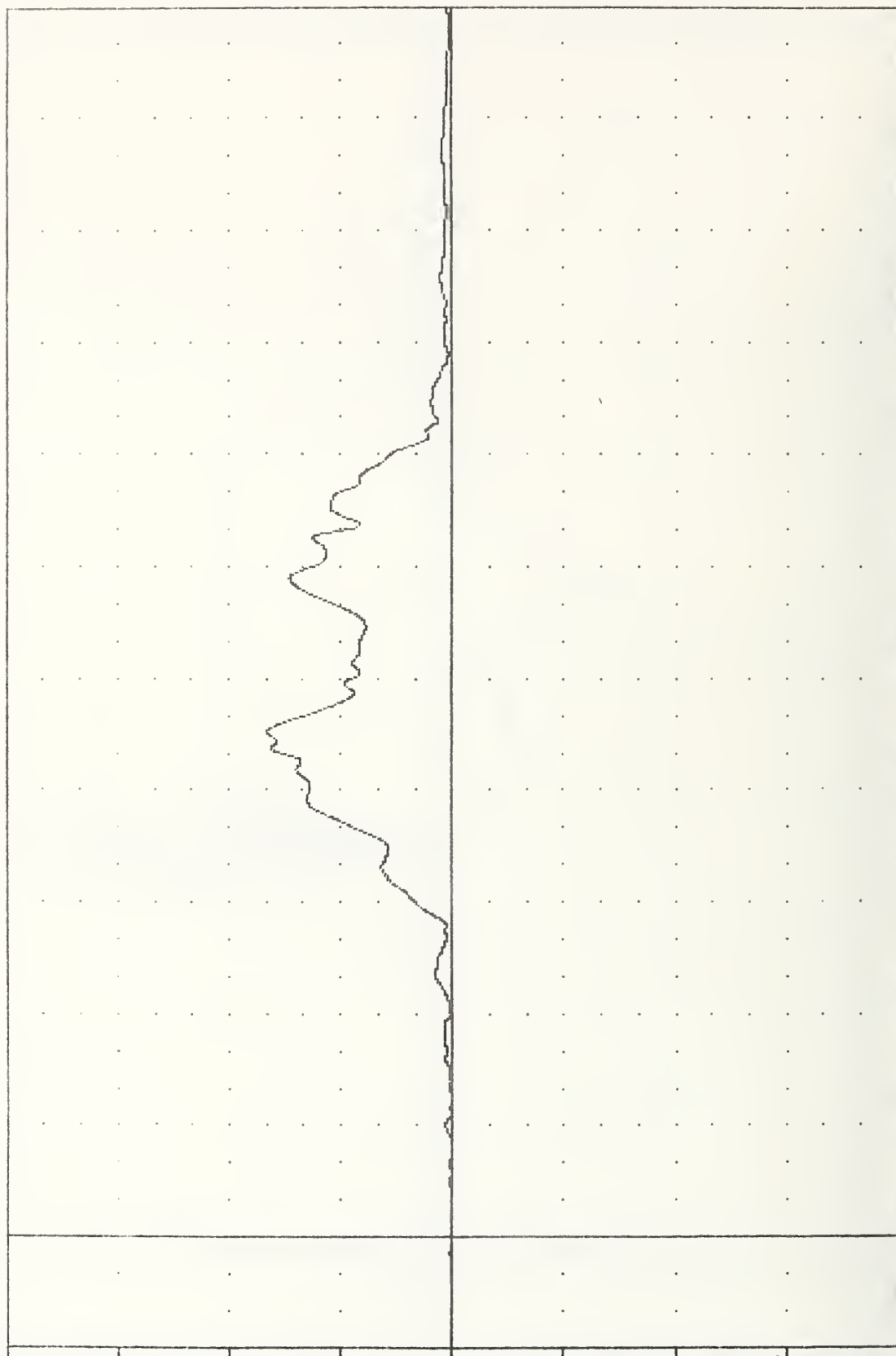
VRIC , R0384-4-91
BREED AIRBAG SLED PROGRAM
85134
CSTRG1

PLOT DATE 15-MAY-85 18:32:32

FILTER = BLPF 30W/ 949/ -40

MIN, MAX VALUES = 0.03e 7.38, 41.68 e 90.38

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DRIVER CHEST RESULTANT

WRTC RD384-4-31 PLOT DATE 15-MAY-85 10:32:32

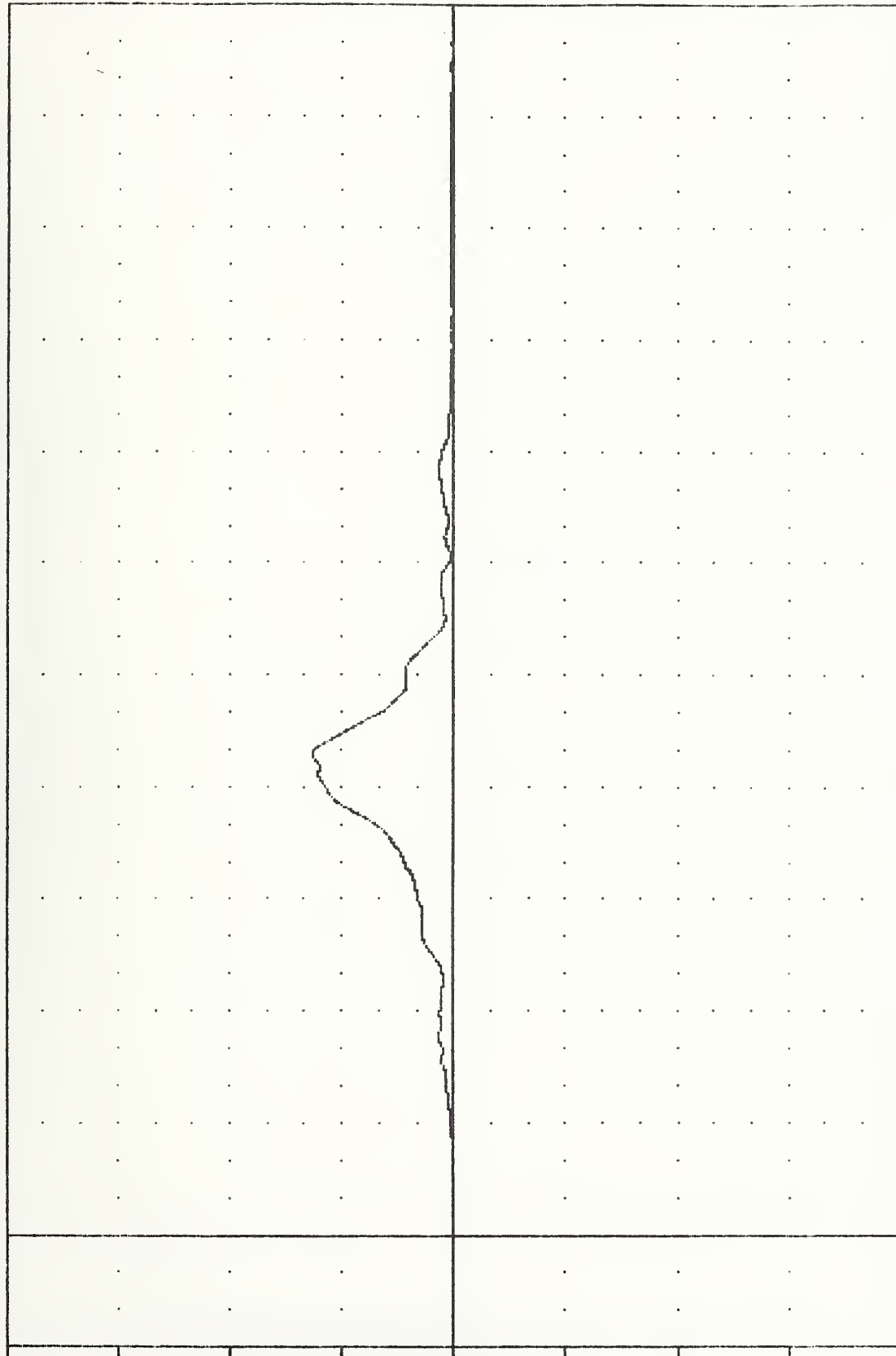
BREED AIRBAG SLED PROGRAM

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.088 -11.88, 63.26 86.00

85134
PEVR61

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

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

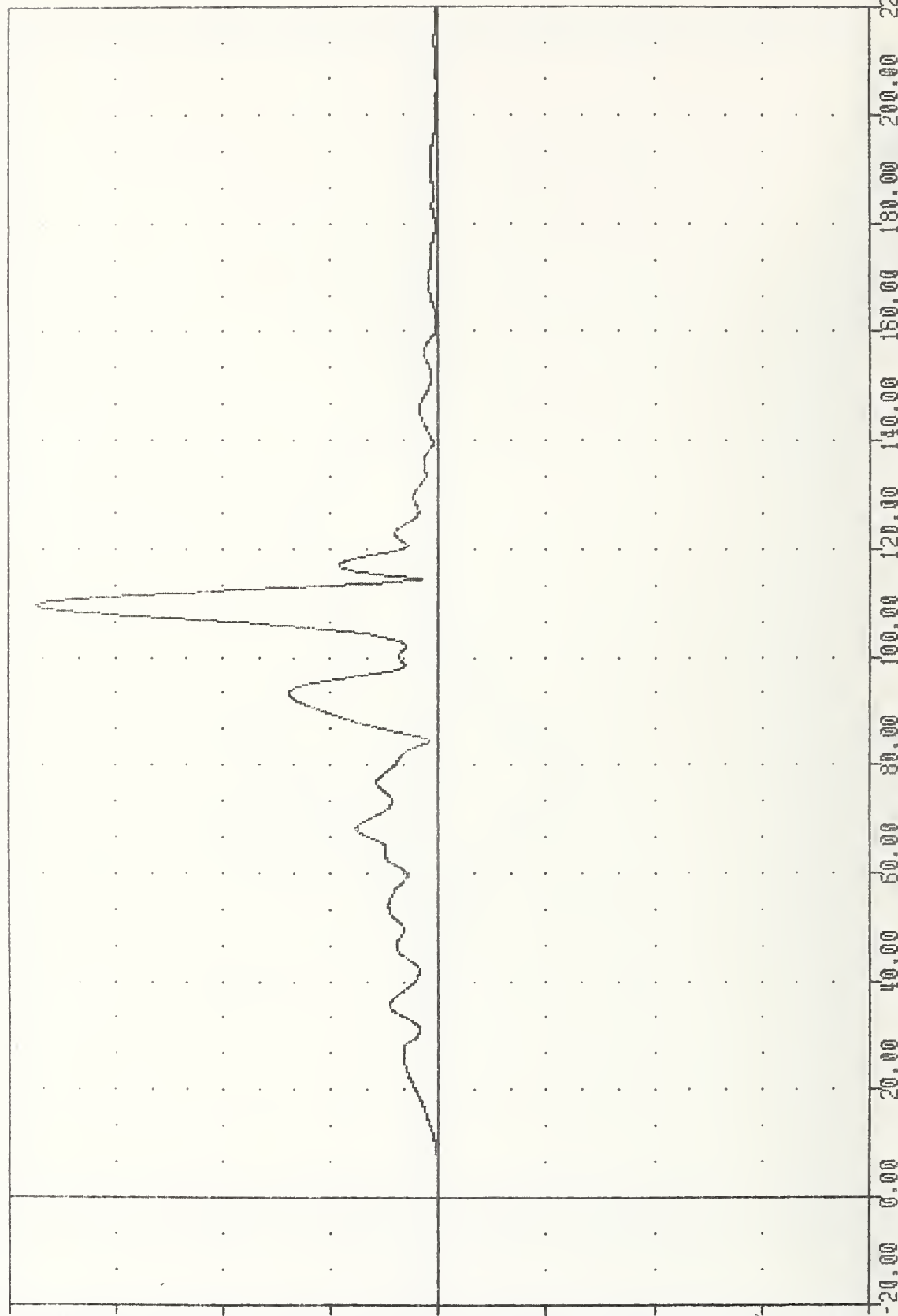
WRTC
BREED AIRBAG SLED PROGRAM
85134
STHRG

PLOT DATE 15-MAY-85 10:32:32

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.028 -8.50 186.45 109.63

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

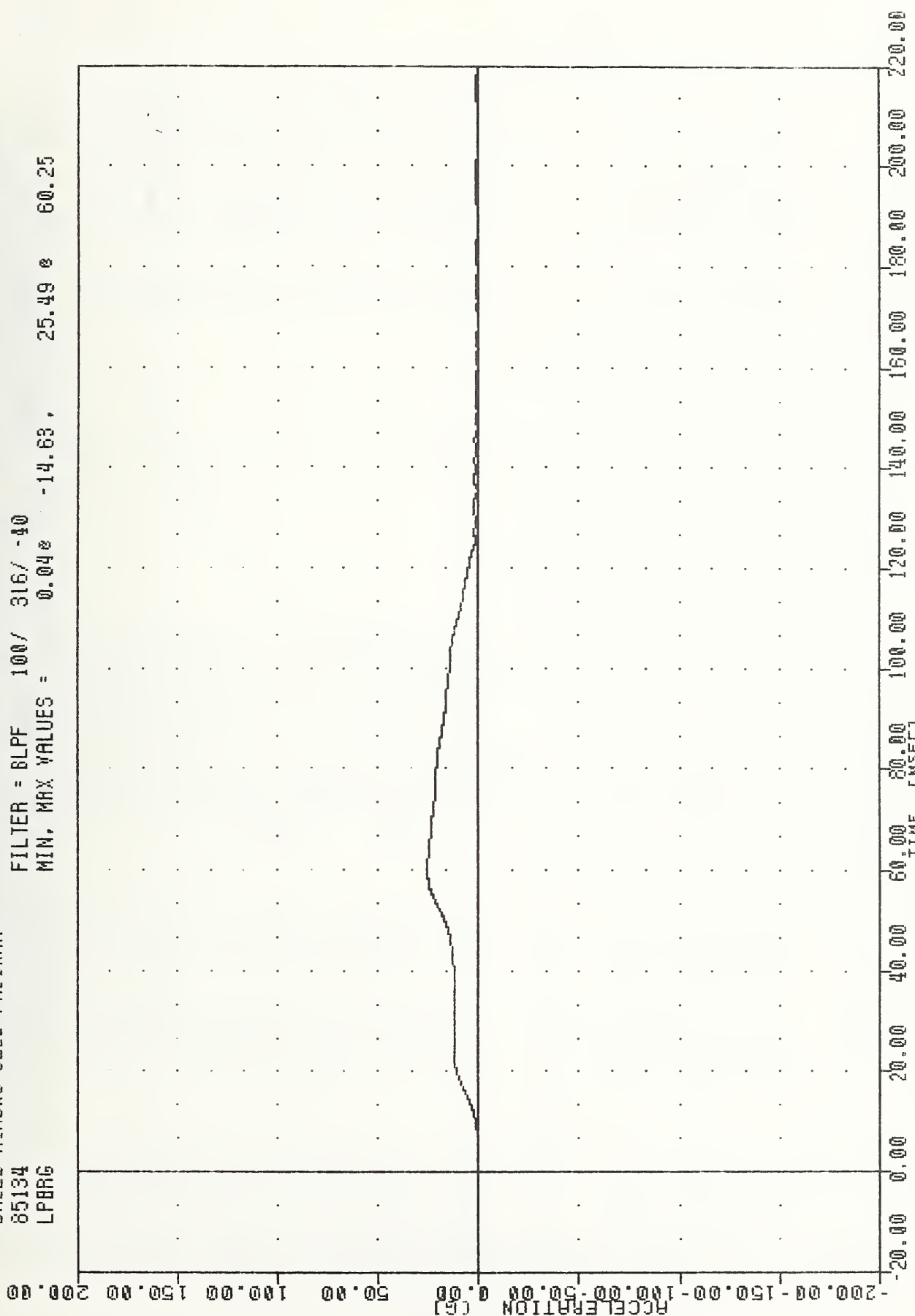
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

VRIC , RD384-4-31
BREED AIRBAG SLED PROGRAM
85134
LPBAG

PLOT DATE 15-MAY-85 10:32:32

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.048 -14.63, 25.49 0 60.25



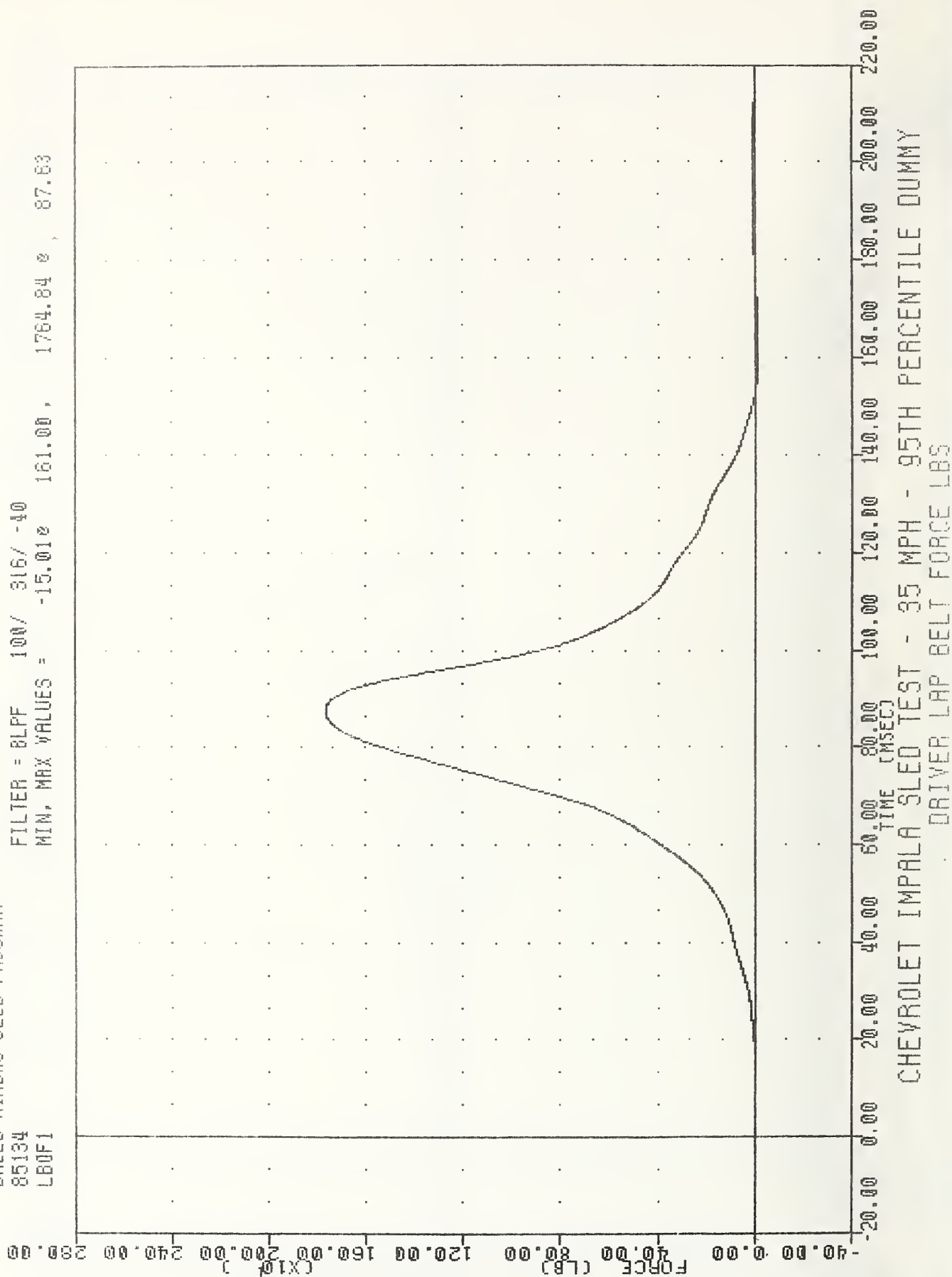
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , RD384-4-31
 BREED AIRBAG SLED PROGRAM
 85134
 LB0F1

PLOT DATE 15-MAY-85 10:30:27

FILTER = 8LFF 10N/ 316/ -40

MIN, MAX VALUES = -15.01e 181.00, 1764.84 e, 87.83



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

TRC439P, RAD: 2
VRTC
B5135
RD384-4-32 BREED AIRBAG SLED PROGRAM
35.00 mph
16-MAY-85 16:09

		Min value	Max value	Data Units	Filter
1	EVENT	0.061 @ 43.250	1.609 @ -3.375 msec	voit	ALPF 1650/ 5214/ -40
2	SLDXV	-38.091 @ 133.000	0.137 @ -7.750 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.628 @ 57.250	0.929 @ 130.250 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-74.061 @ 92.625	11.537 @ 199.000 msec	g	ALPF 1650/ 5214/ -40
5	HEDYV1	-6.939 @ 94.875	2.448 @ 203.250 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-1.321 @ 35.625	32.613 @ 84.375 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-46.614 @ 83.500	3.972 @ 220.000 msec	g	BLPF 300/ 949/ -40
8	CSTYV1	-8.703 @ 94.375	1.225 @ 148.125 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-11.571 @ 81.125	6.047 @ 165.750 msec	g	BLPF 300/ 949/ -40
10	PEVVG1	-36.267 @ 86.750	1.239 @ 160.625 msec	g	BLPF 300/ 949/ -40
11	PEVVG1	-2.627 @ 52.000	9.914 @ 95.500 msec	g	BLPF 300/ 949/ -40
12	PEVZG1	-34.065 @ 89.000	2.363 @ 163.500 msec	g	BLPF 300/ 949/ -40
13	LFMF1	-506.155 @ 61.250	85.874 @ 190.750 msec	lb	BLPF 1000/ 3162/ -40
14	RFMF1	-452.430 @ 56.125	301.083 @ 74.750 msec	lb	BLPF 1000/ 3162/ -40
15	STHVG	-35.828 @ 119.250	13.610 @ 131.625 msec	g	BLPF 100/ 316/ -40
16	STHVG	-11.471 @ 150.875	14.871 @ 179.625 msec	g	BLPF 100/ 316/ -40
17	STHVG	-24.102 @ 61.250	36.611 @ 66.875 msec	g	BLPF 100/ 316/ -40
18	LPBXG	-25.241 @ 60.250	1.082 @ 150.875 msec	g	BLPF 100/ 316/ -40
19	LPBYG	-1.397 @ 88.125	1.970 @ 34.500 msec	g	BLPF 100/ 316/ -40
20	LPBZG	-0.721 @ 122.000	1.472 @ 76.625 msec	g	BLPF 100/ 316/ -40
21	SHBF1	-0.445 @ -3.625	1829.805 @ 87.250 msec	lb	BLPF 100/ 316/ -40
22	LBDF1	-0.247 @ -15.000	1497.071 @ 85.375 msec	lb	BLPF 100/ 316/ -40
23	ABTP	-3.225 @ 42.125	41.405 @ 31.625 msec	psig	ALPF 1650/ 5214/ -40
24	ABT1	-3.750 @ 27.625	0.004 @ -12.125 msec	voit	ALPF 1650/ 5214/ -40
25	ABT2	-3.487 @ 26.375	1.056 @ 156.625 msec	voit	ALPF 1650/ 5214/ -40
26	ABT3	-0.016 @ 6.250	2.318 @ 23.875 msec	voit	ALPF 1650/ 5214/ -40
27	ABT4	-0.109 @ 166.250	2.163 @ 56.750 msec	voit	ALPF 1650/ 5214/ -40

TRC439P, RAD: 1
VRTC
B5135
RD384-4-32 BREED AIRBAG SLED PROGRAM
35.00 mph
15-MAY-85 14:41

		Min value	Max value	Data Units	Filter
1	HEDXV1	-50.028 @ 153.625	0.154 @ 44.500 msec	mph	BLPF - 300/ 949/ -40
2	HEDXD1	-72.876 @ 220.000	0.028 @ 57.250 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-43.689 @ 145.500	0.391 @ -8.875 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-69.403 @ 220.000	0.464 @ 44.375 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-31.452 @ 135.625	-0.133 @ -0.500 msec	mph	BLPF 300/ 949/ -40
6	PEVDX1	-54.748 @ 220.000	-0.084 @ -20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-37.858 @ 124.000	0.000 @ -17.125 msec	mph	BLPF 300/ 949/ -40
8	SLDXV	-70.894 @ 220.000	0.000 @ -15.250 msec	in	BLPF 300/ 949/ -40
9	STHVD	-36.355 @ 124.125	-0.023 @ -20.000 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-63.819 @ 220.000	-0.010 @ -20.000 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-37.087 @ 125.750	-0.070 @ -15.375 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-68.459 @ 220.000	-0.047 @ -20.000 msec	in	BLPF 300/ 949/ -40

TRC439P, RAD: 1
VRTC
B5135
RD384-4-32 BREED AIRBAG SLED PROGRAM
35.00 mph
15-MAY-85 14:41

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.065 @ 1.250	76.819 @ 93.250 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.028 @ -9.000	47.831 @ 83.375 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.052 @ 14.125	49.418 @ 88.000 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.125 @ -16.125	39.852 @ 66.750 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.062 @ 128.750	25.256 @ 60.125 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC439RP.RAD;1
VRTC RD384-4-32 BREED AIRBAG SLED PROGRAM
85135 35.00 mph

* * * HIC computation for HEDRG1

Using time range = 0.000 to 131.375 msec Peak accel = 76.82 @ 93.250

HIC = 817.39 Interval from 74.250 [755] to 107.750 [1023]

HIC = 624.33 Interval from 84.750 [839] to 99.750 [959]

15-MAY-85 14:40

R SYSP:THREMS

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

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

Enter input filespec -> TRC439RP

File TRC439RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921; DeltaX = 0.125000
VRTC RD384-4-32 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC439RP.RAD;1 VRTC RD384-4-32
BREED AIRBAG SLED PROGRAM 35.0 mph 85135 15-MAY-85 14:44:43
DeltaX: 0.125

3 MS CLIP PEAK: 46.71789

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
\$

VRTC , R0384-4-32 PLOT DATE 15-MAY-85 15:47:16

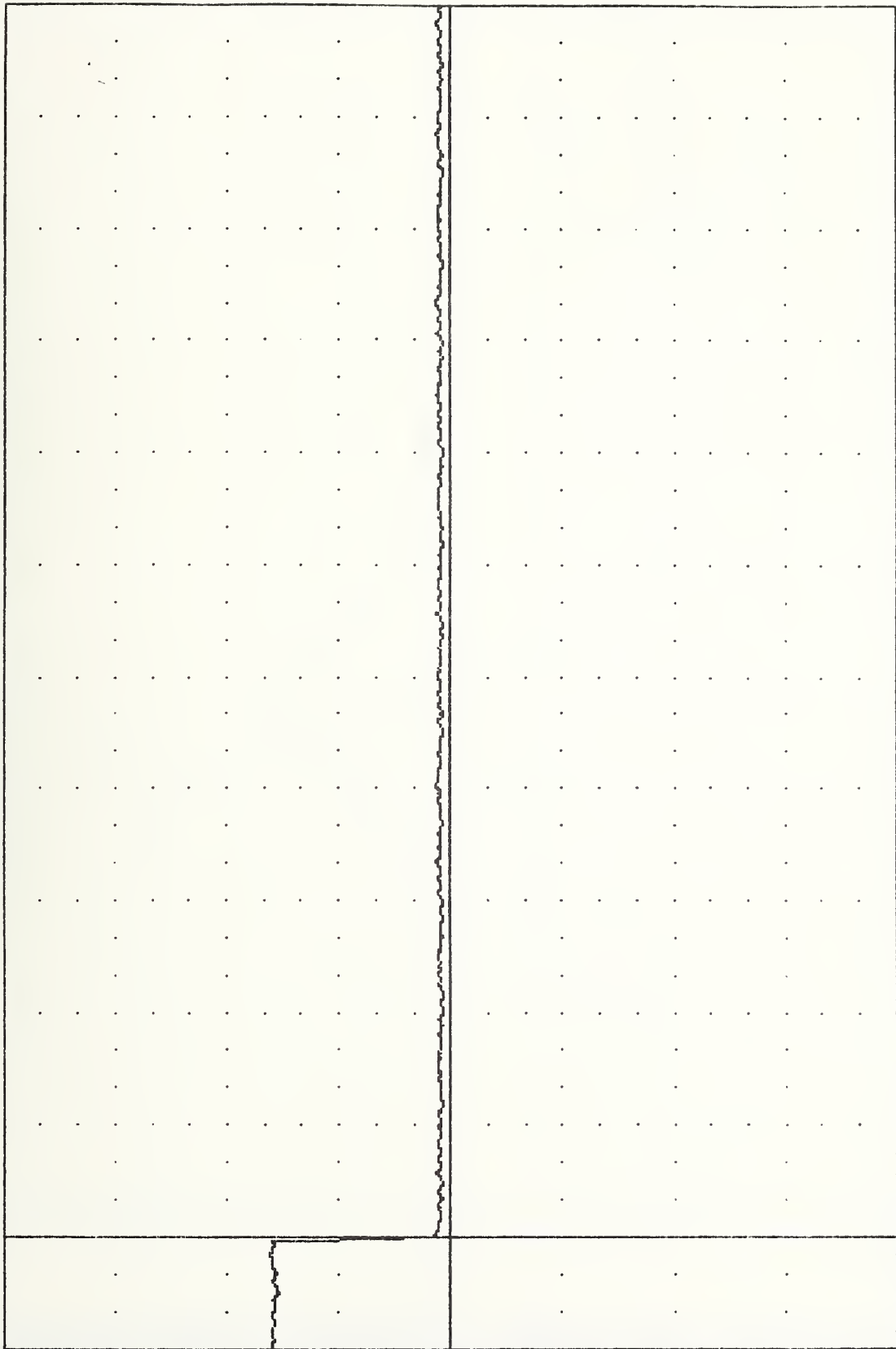
BREED AIRBAG SLED PROGRAM
85135

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.06 43.25 1.61 -3.38

EVENT

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

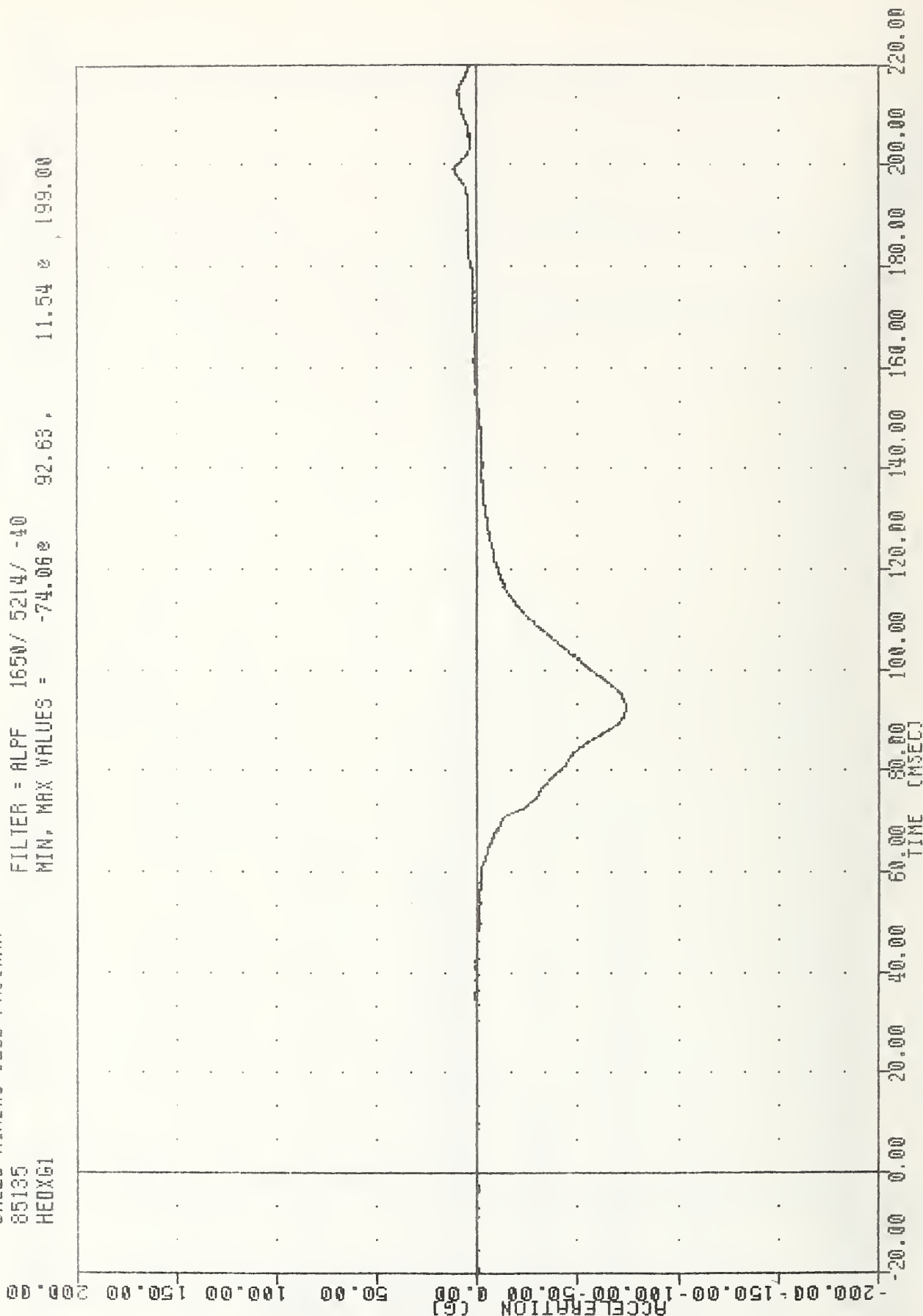
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
EVENT

VRIC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 HEDXG1

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -74.06g 92.63, 11.54 g, 199.00



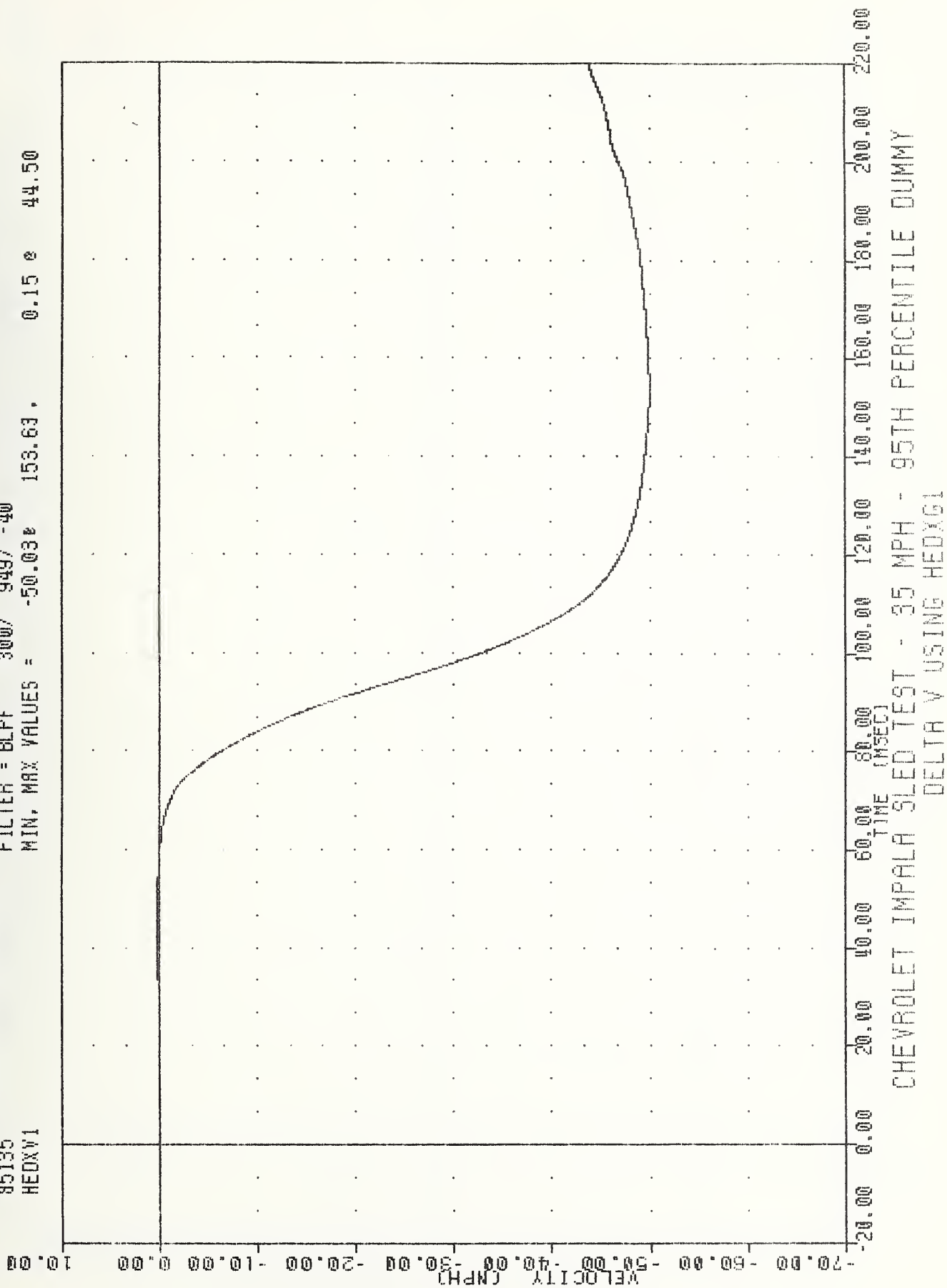
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION X AXIS

VRIC , R0384-4-32
BREED AIRBAG SLED PROGRAM
85135
HEDXV1

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -50.03 153.63 0.15 44.50



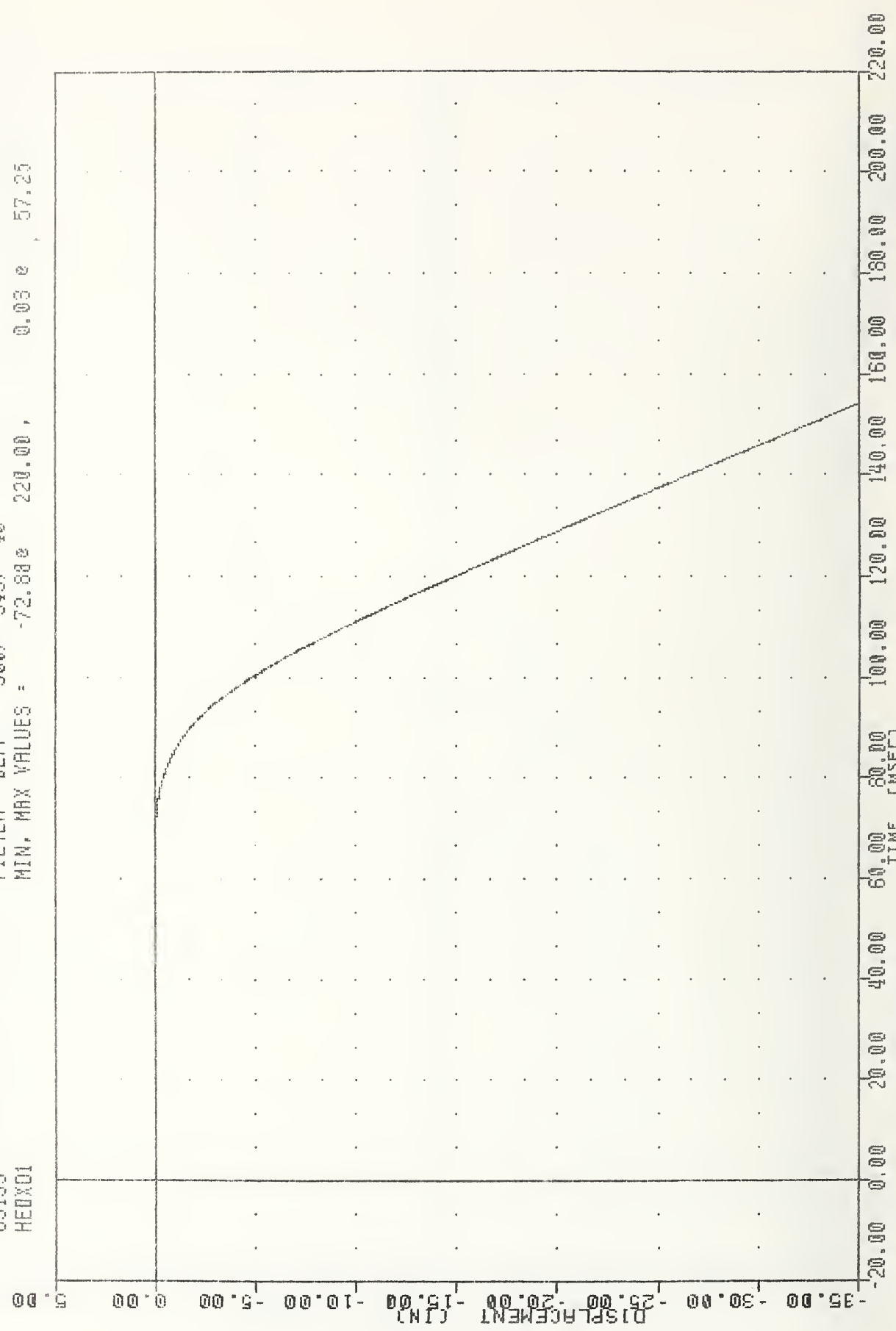
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRIC , R0384-4-82
 BREED AIRSAG SLED PROGRAM
 85135
 HEDX01

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -72.88e 220.00, 0.03 e , 57.25



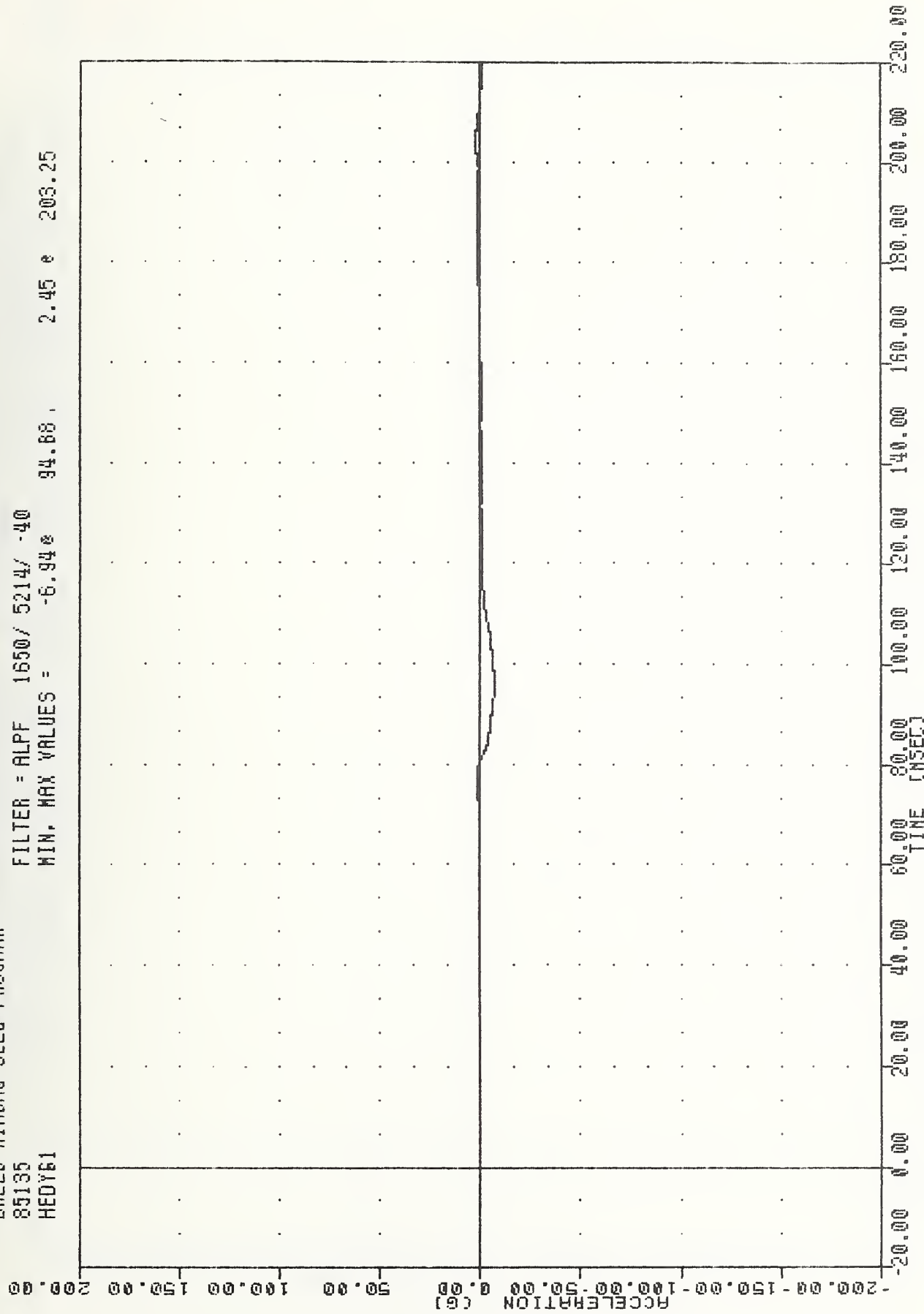
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING HEDX01

VRTC RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 HEDY61

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 1650/ 5214/ -40
 MIN. MAX VALUES = -6.94 94.88

2.45 203.25



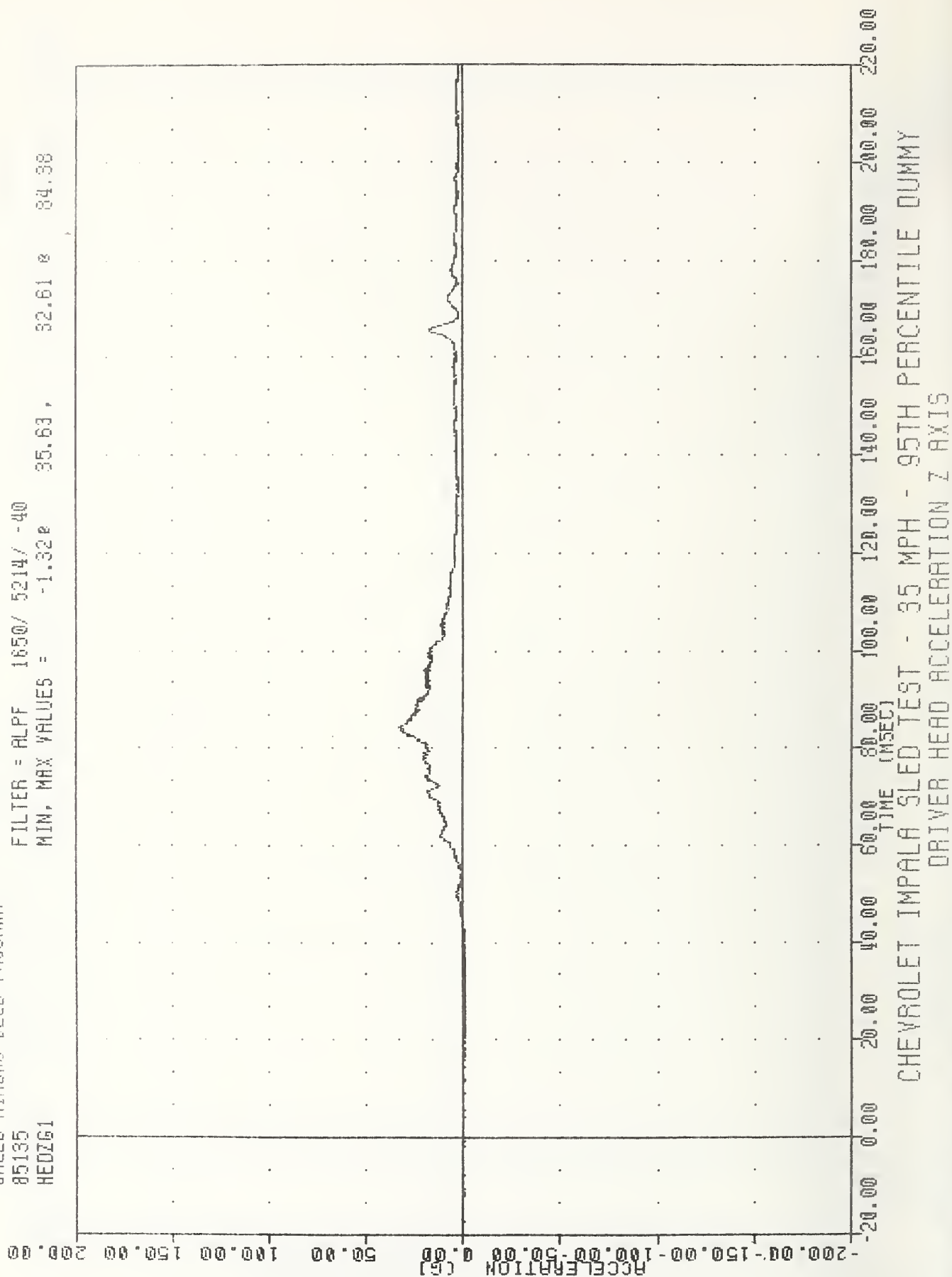
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , R0384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 HEDZG1

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -1.32e 35.63, 32.61 e 34.38

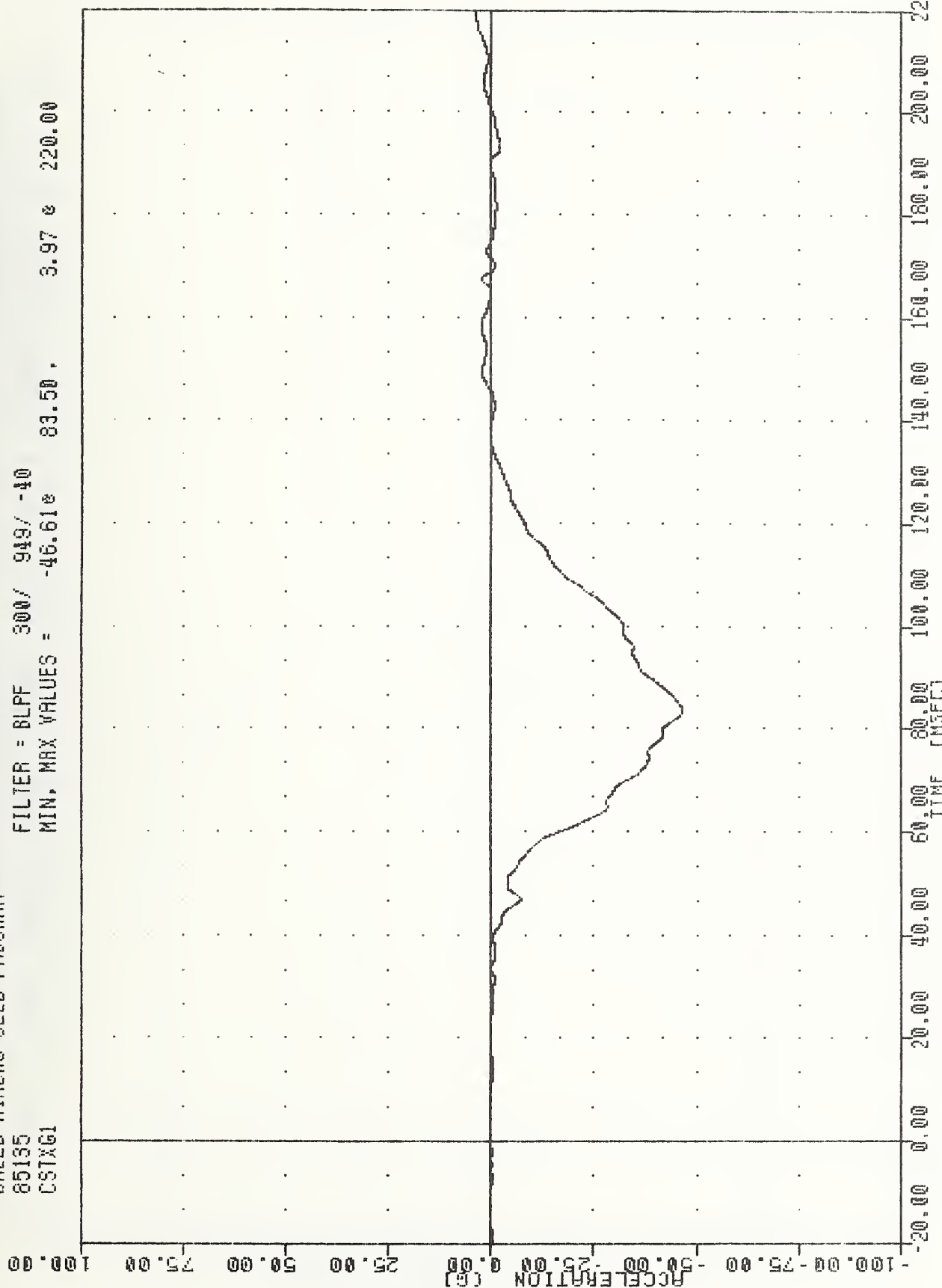


VRIC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
CSTXG1

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -46.61e 83.50 , 3.97 e 220.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

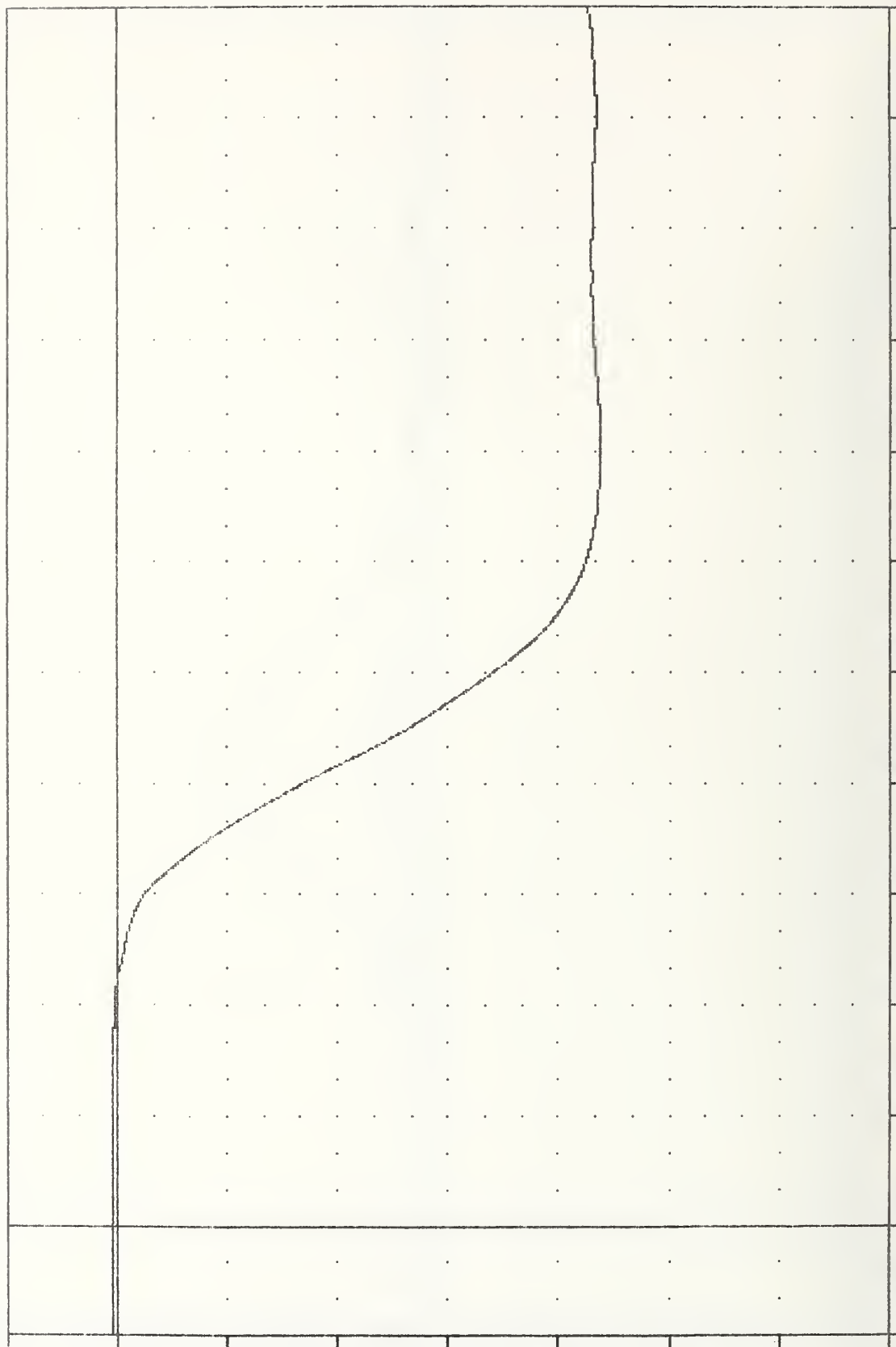
VATC
BREED AIRBAG SLED PROGRAM
85135
CSTXV1

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -43.69 145.50 0.39 -8.88

VELOCITY (MPH)



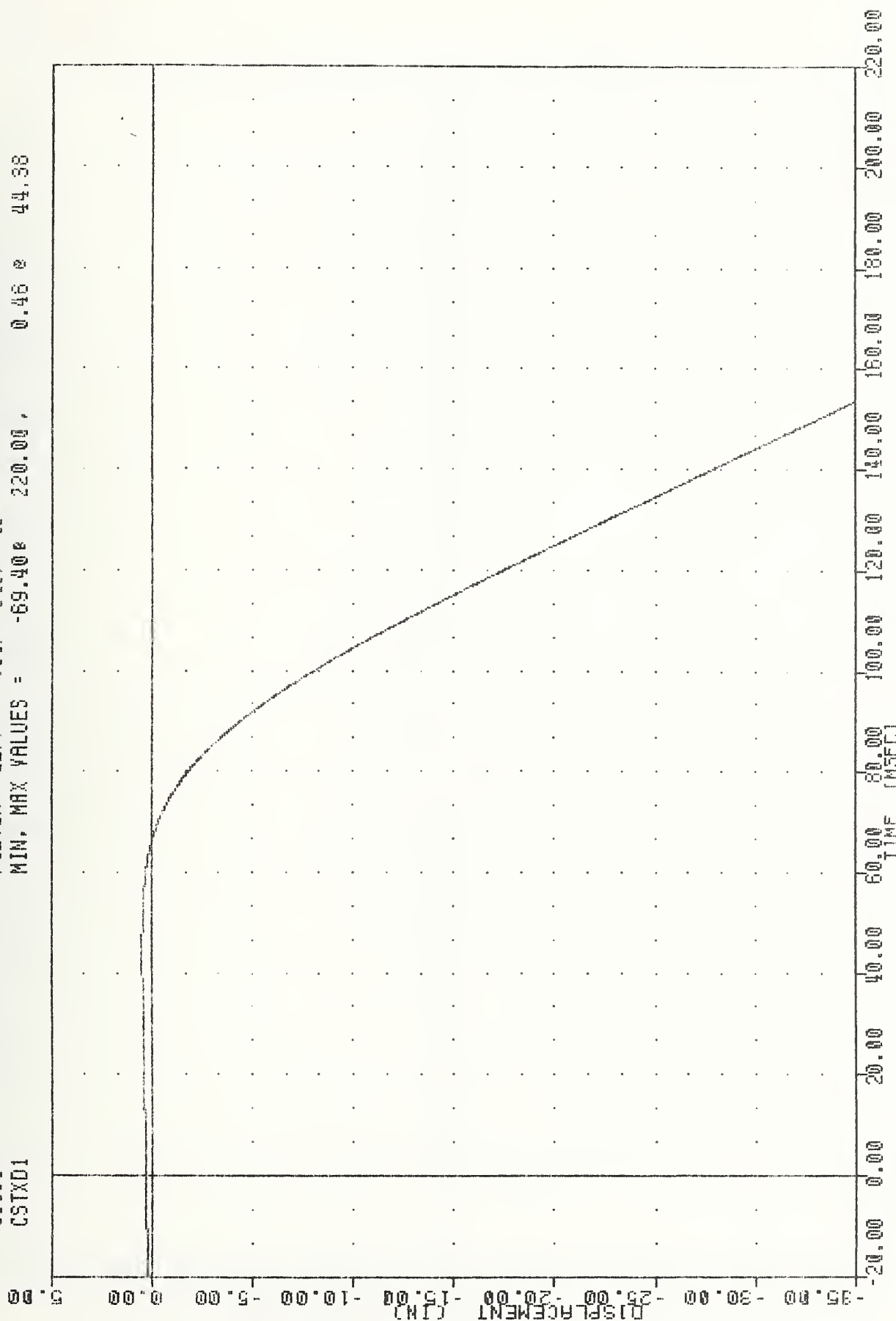
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRIC
BREED AIRBAG SLED PROGRAM
85135
CSTXD1

FLUT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -69.40e 220.00, 0.46 e 44.38



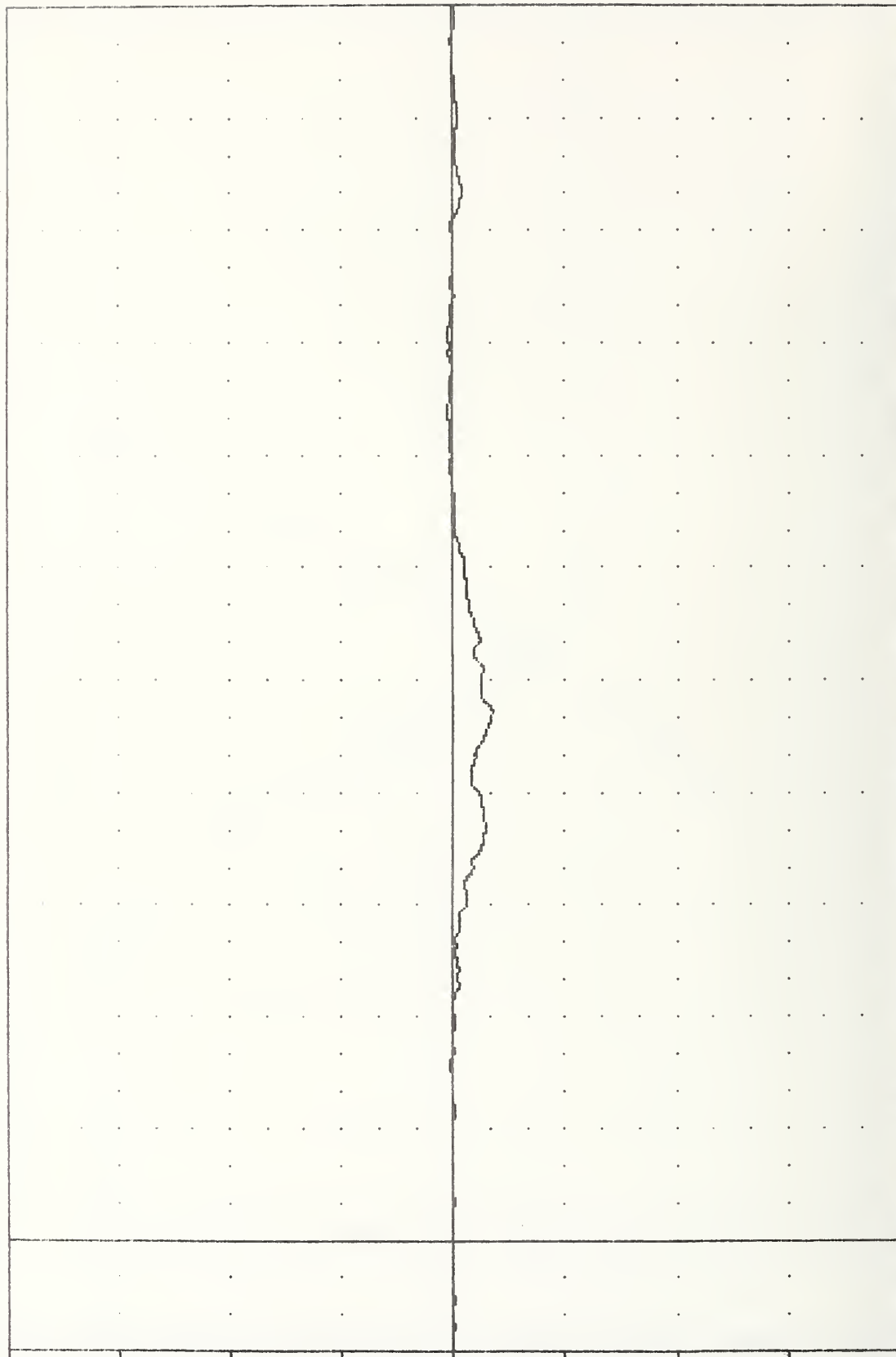
VATC : RD384-4-32
 BREED ATARRS SLED PROGRAM
 85135
 CSTY61

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.70% 94.98 , 1.22 e 148.13

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

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

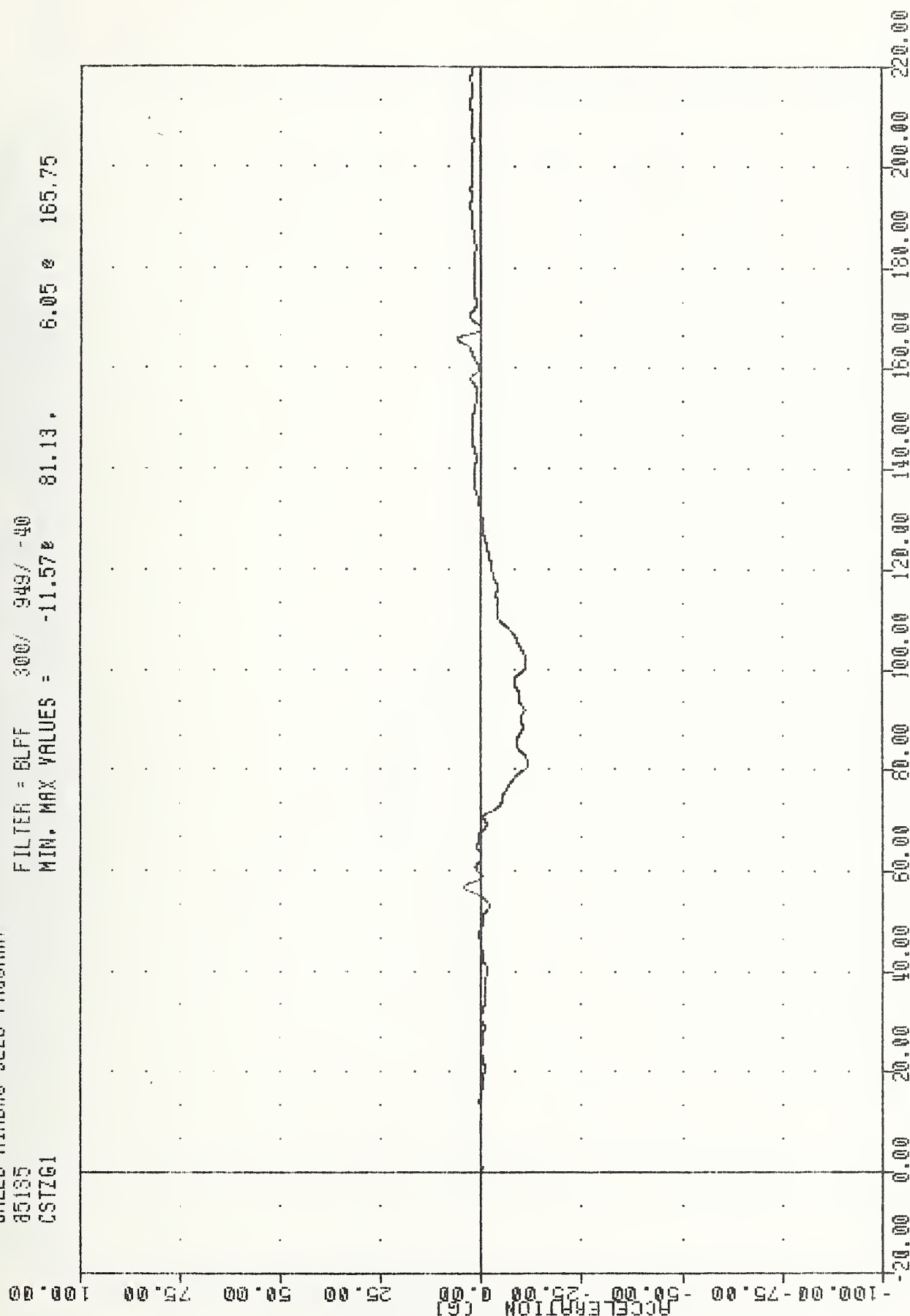
VRTC - RD684-4-32
BREED AIRBAG SLED PROGRAM
85135
CSTZG1

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -11.57% 81.13%

6.05 @ 165.75



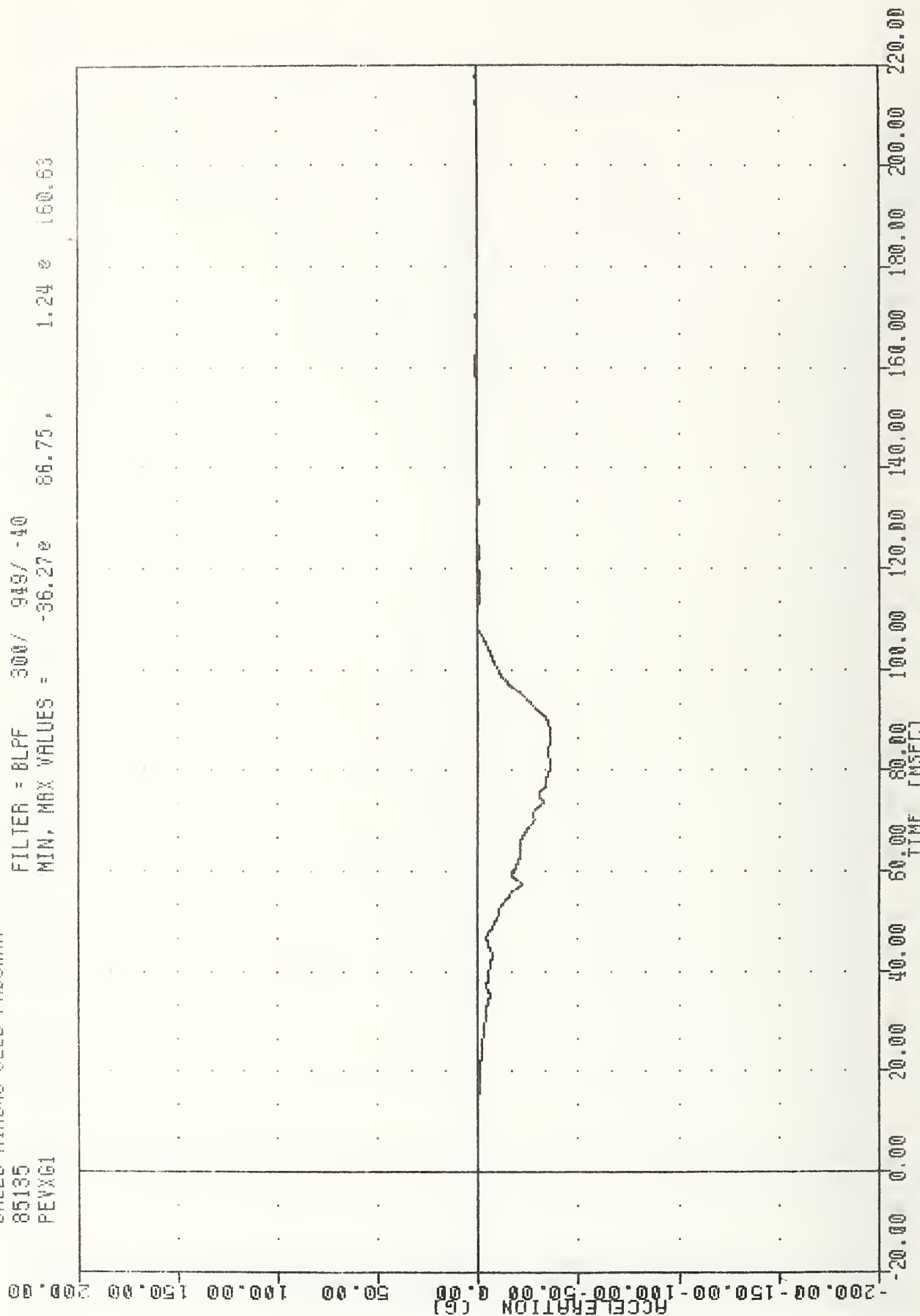
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRIC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
PEVX61

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -36.27e 86.75, 1.24 e 160.63



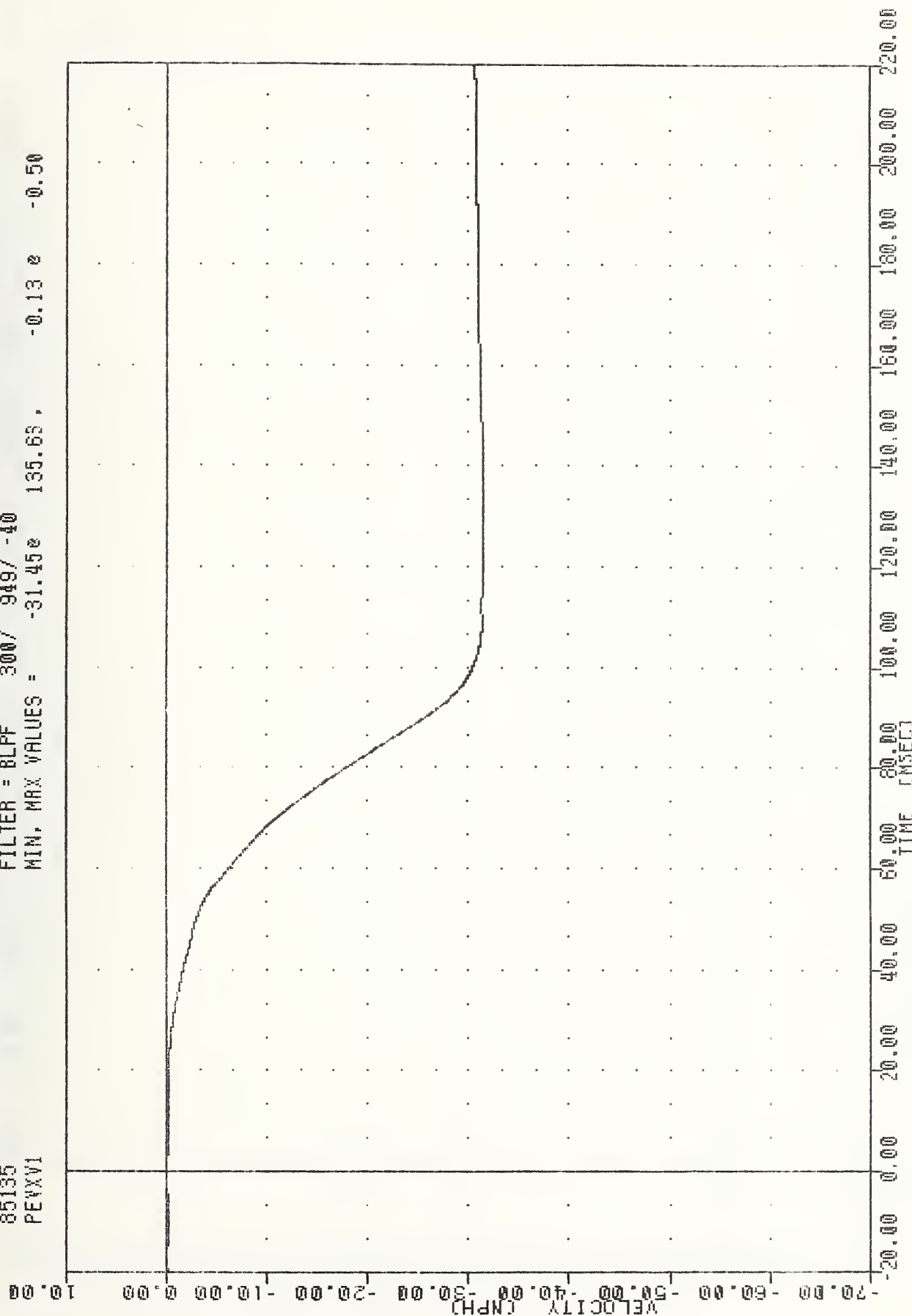
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRIC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
PEVXVI

PLOT DATE 15-MAY-85 15:49:27

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -31.45e 135.63, -0.13 e -0.50

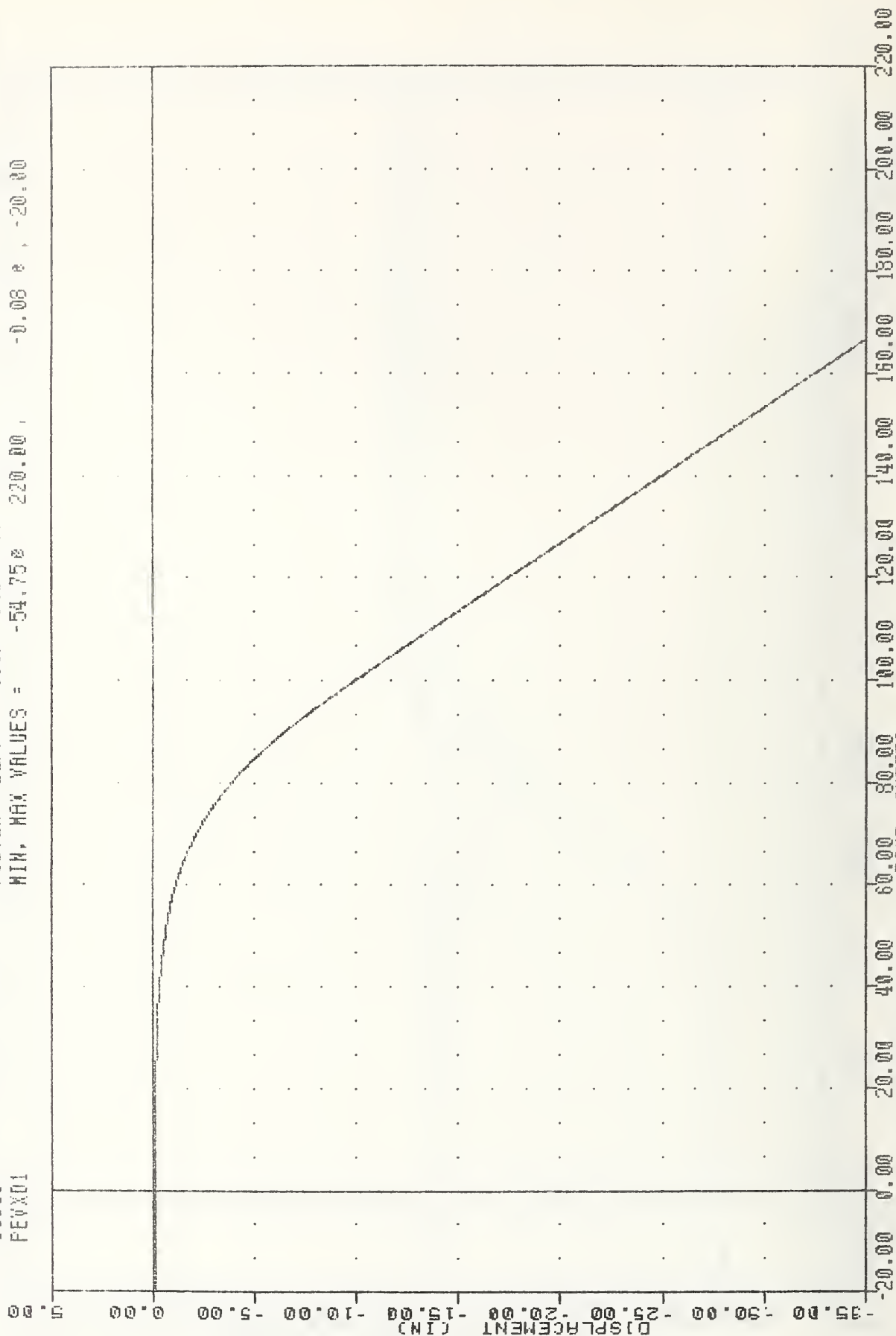


WATC , RD384-4-32
BREEO AIRBAG SLED PROGRAM
85135
PEVX01

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -54.750 220.00 , -0.080 , -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING PEVXV1

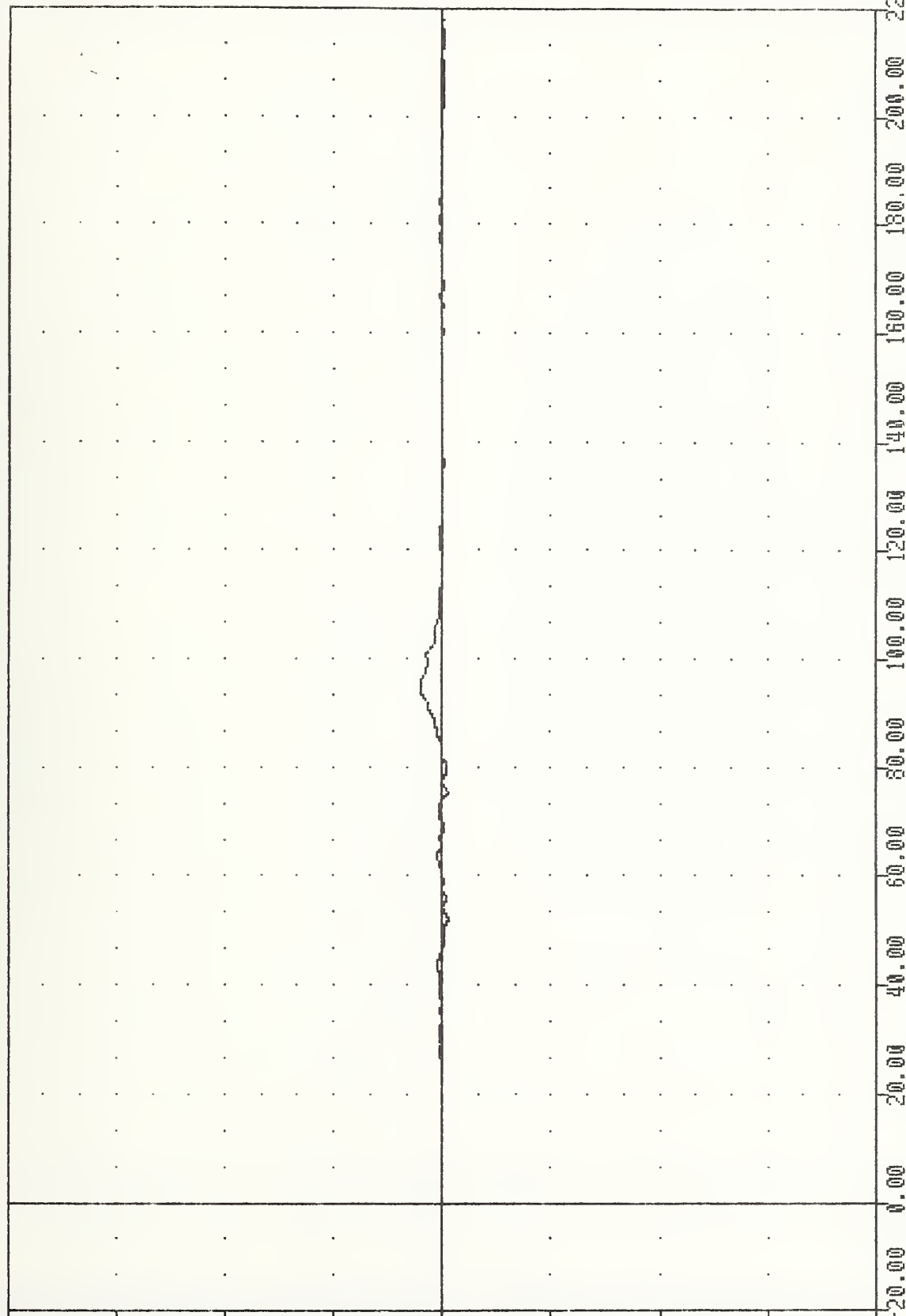
WATC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
PEVY61

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -2.63e 52.00 ,

9.91 e 95.50

ACCELERATION [G]



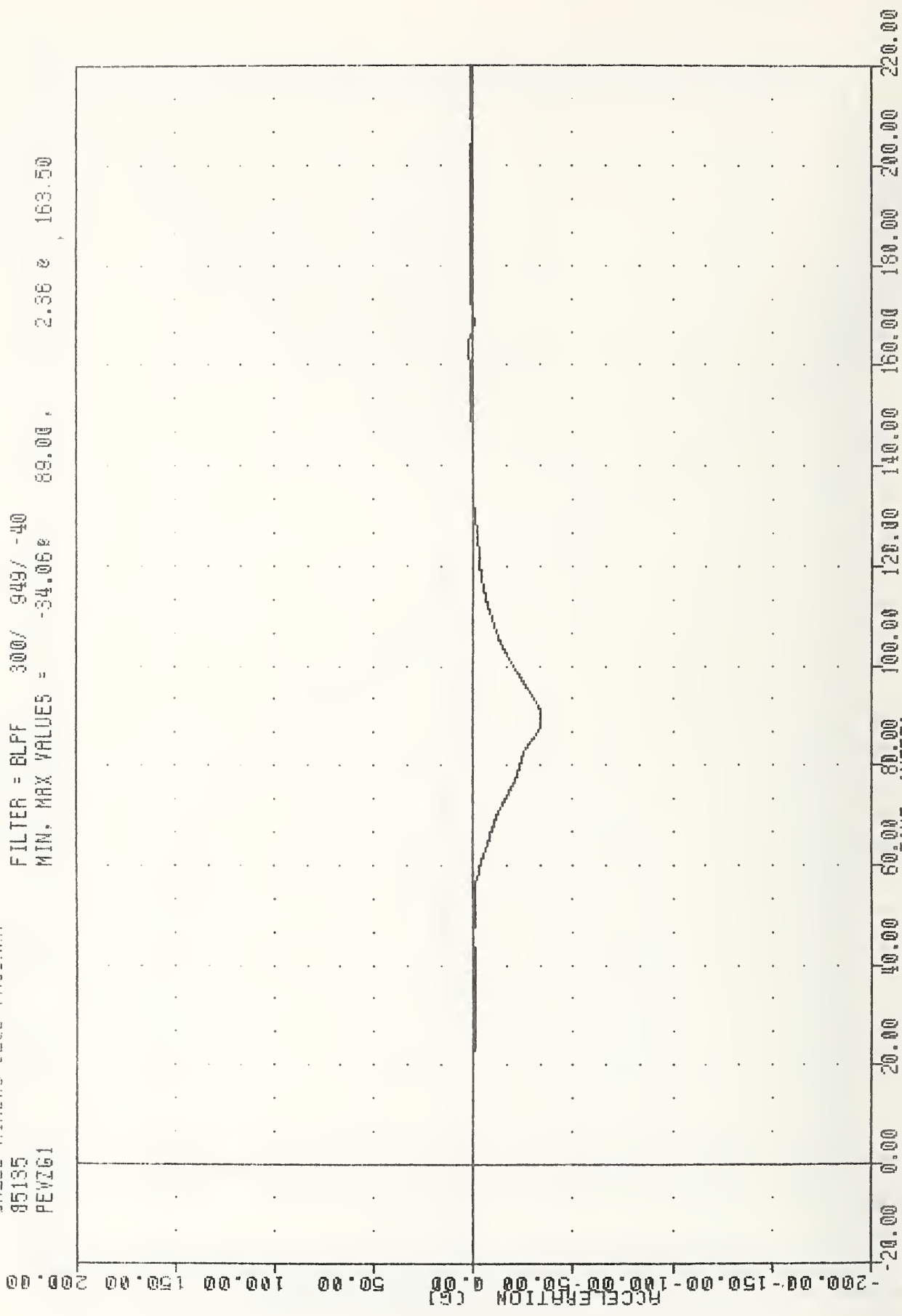
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85135
PEVZ61

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -34.06 88.00

2.36 e 163.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

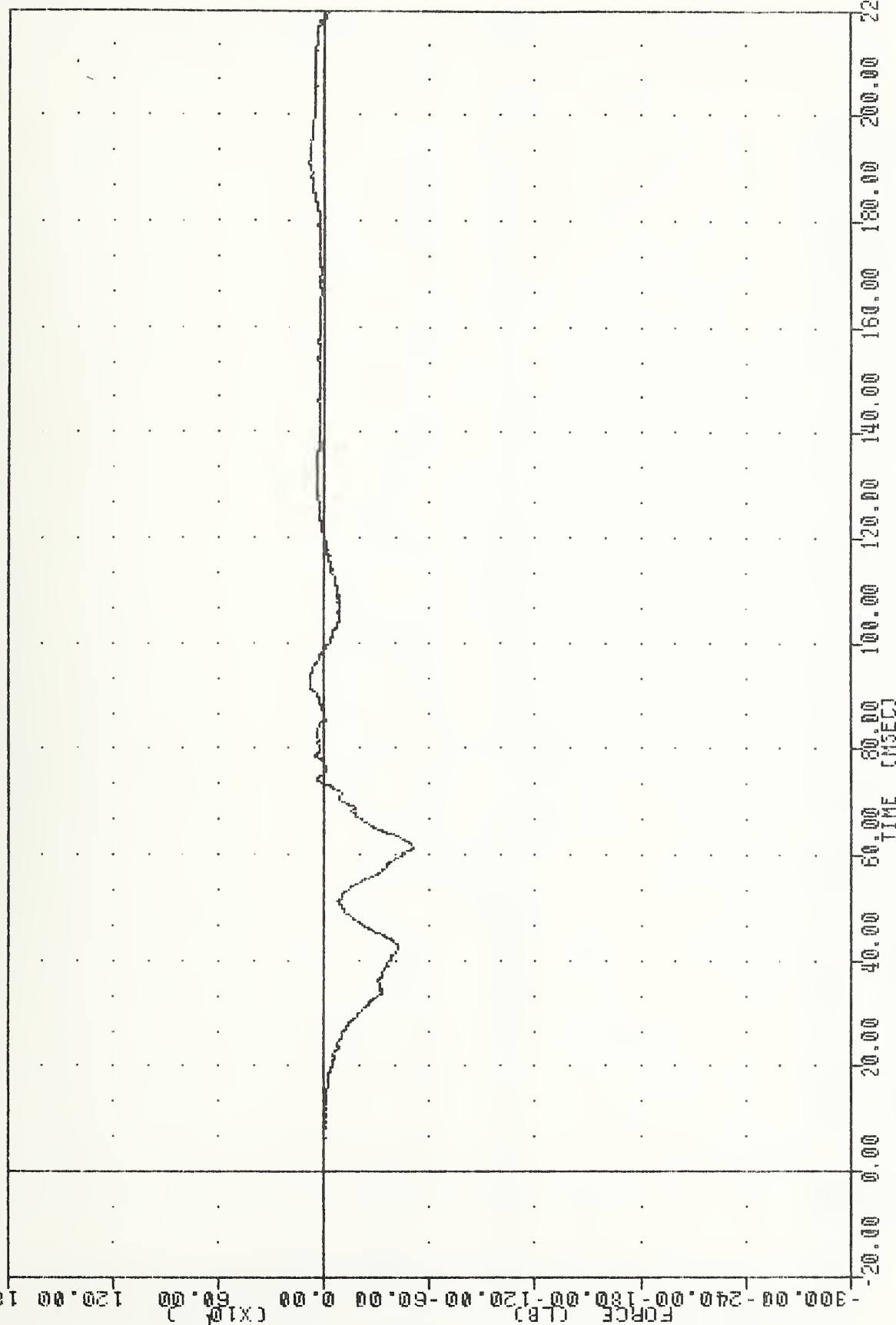
VRIC , RD384-4-32 PLOT DATE 15-MAY-85 15:47:16

BREED AIRBAG SLED PROGRAM

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -506.16e 61.25, 85.87 e 190.75

LFNF1

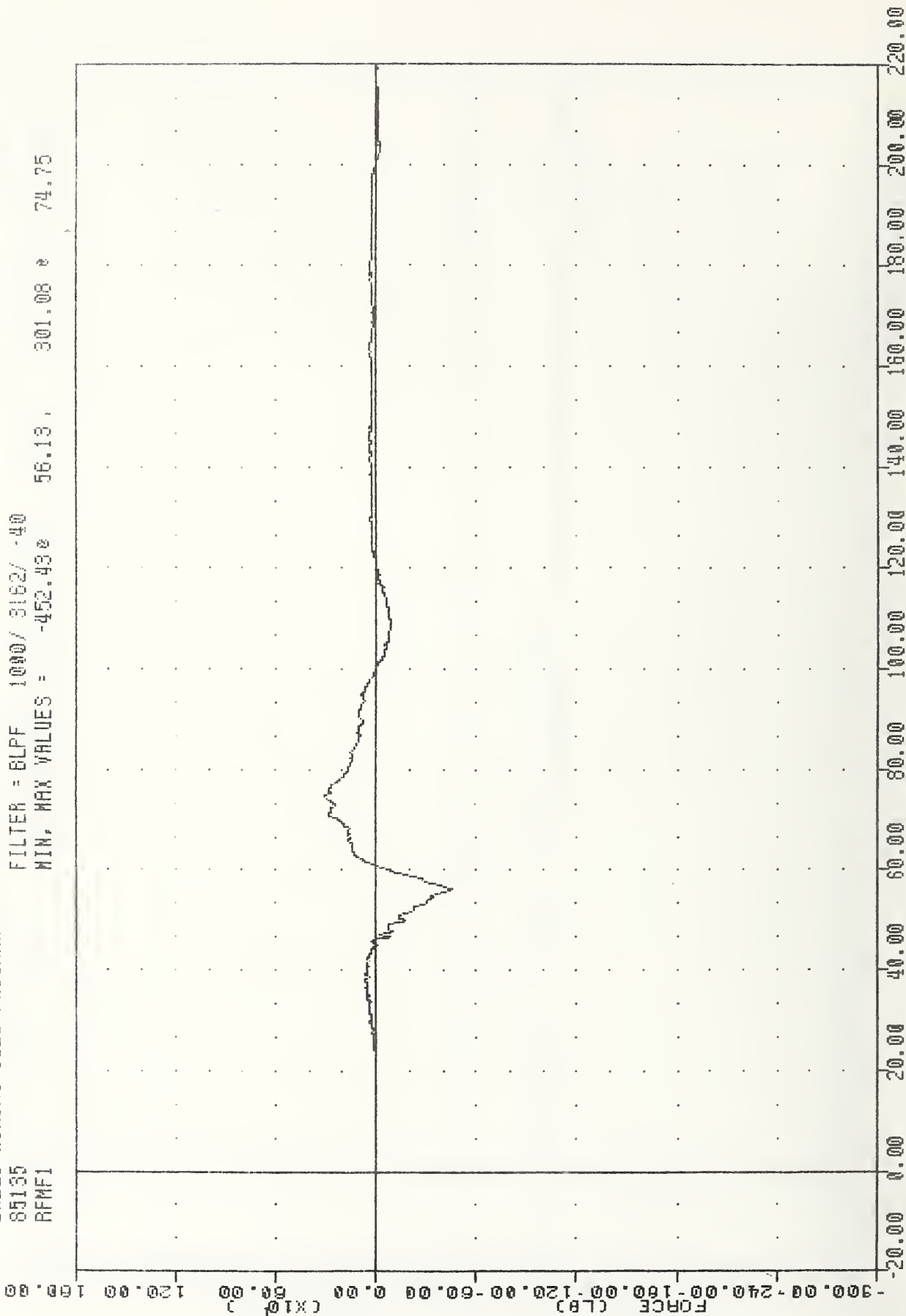


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 RFMF1

PLOT DATE 15-MAY-85 15:47:16

FILTER = 6LPF 1000/ 3162/ -40
 MIN, MAX VALUES = -452.43 56.13 301.08 74.75

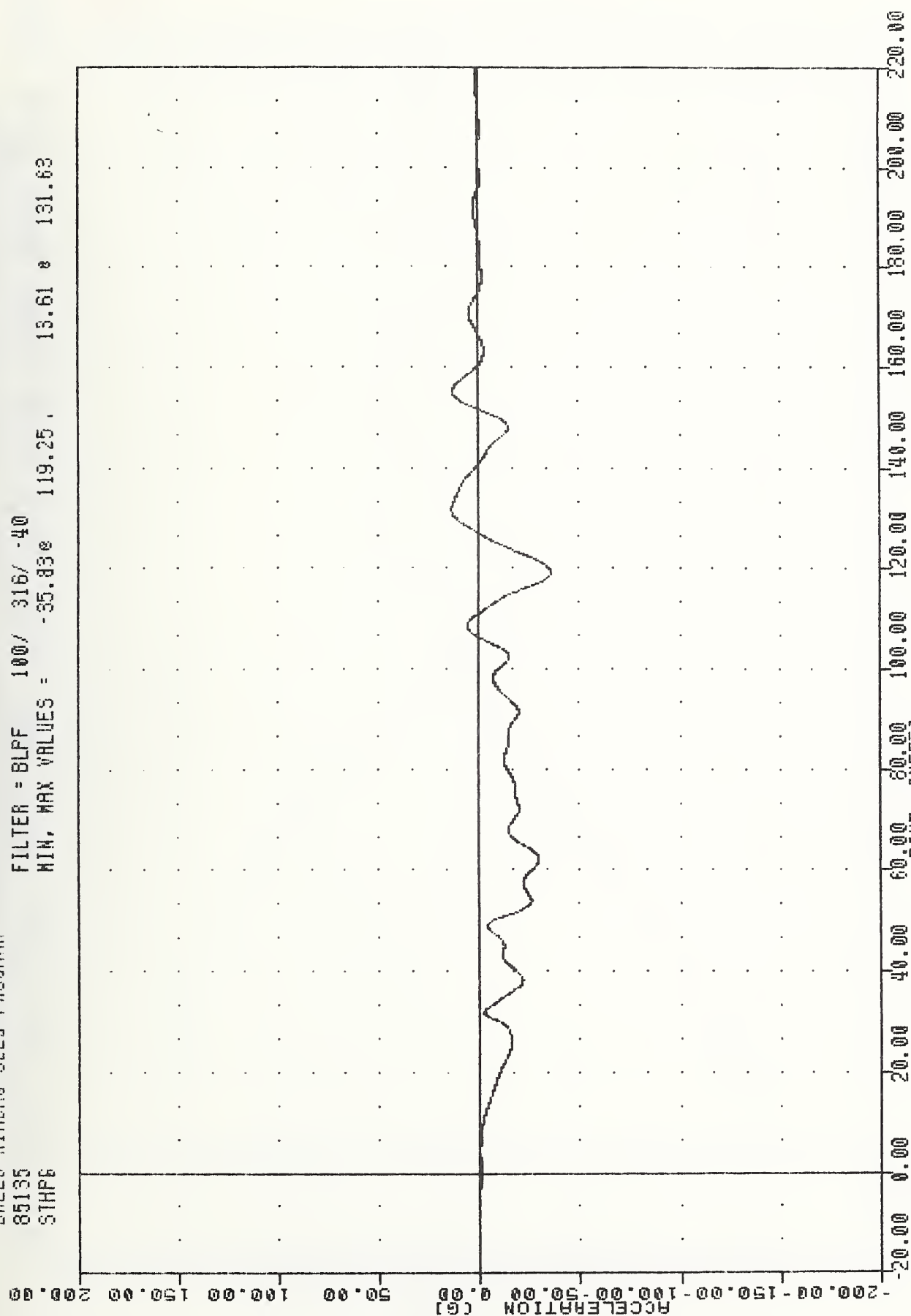


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

WATC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
STHPS

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -35.83 119.25 , 13.61 131.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

WRTC
 BREED AIRBAG SLED PROGRAM
 85135
 STHPY

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -36.35 124.13 -0.02 -20.00

10.00

0.00

-10.00

-20.00

-30.00

-40.00

-50.00

-60.00

-70.00

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

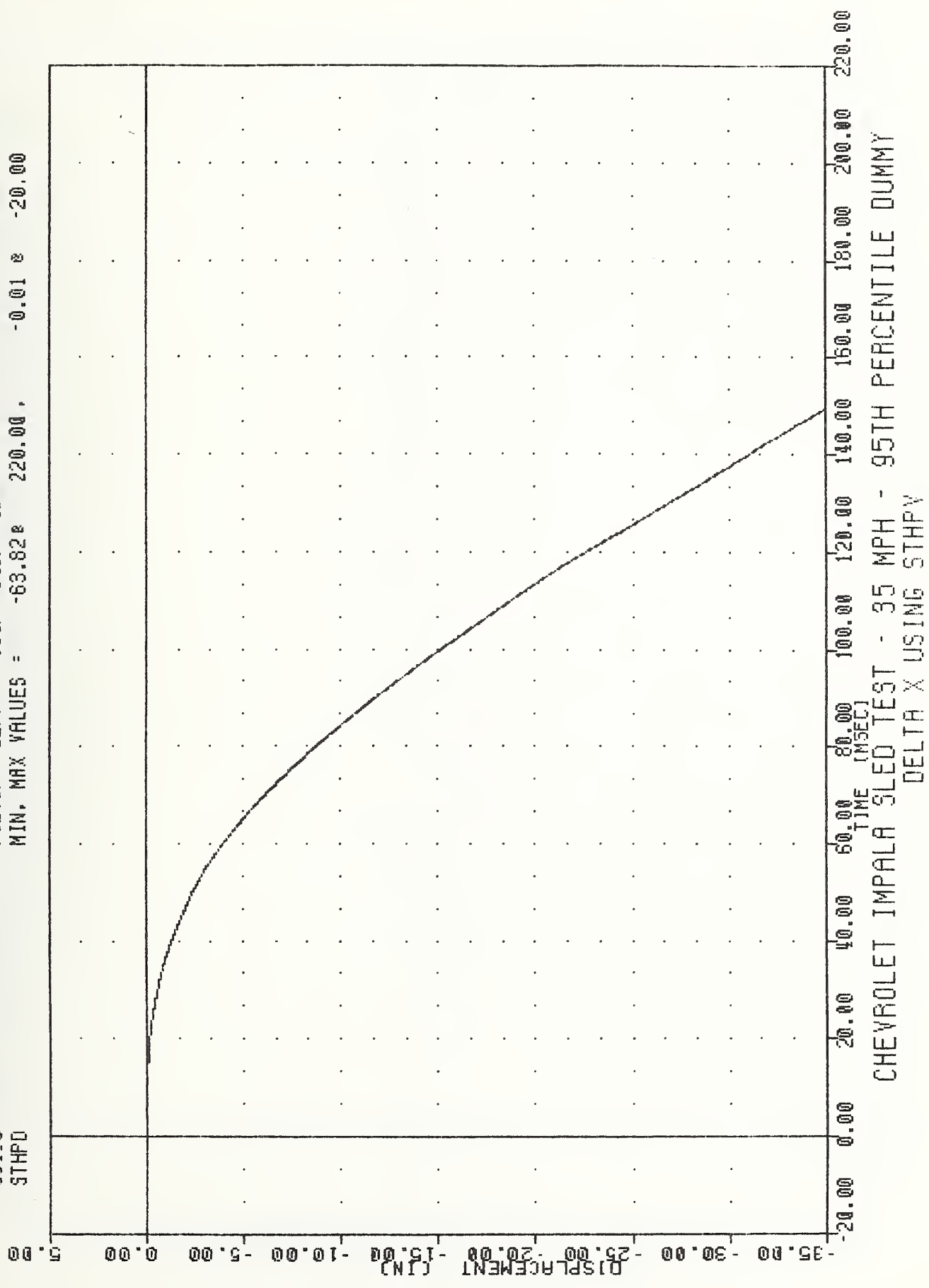
220.00

TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DELTA V USING STHPG

VRTC , R0384-4-32 PLOT DATE 15-MAY-85 15:49:27
 BREED AIRBAG SLED PROGRAM
 85135 FILTER = BLPF 300/ 949/ -40
 STHPD MIN, MAX VALUES = -63.82 220.00 , -0.01 20.00



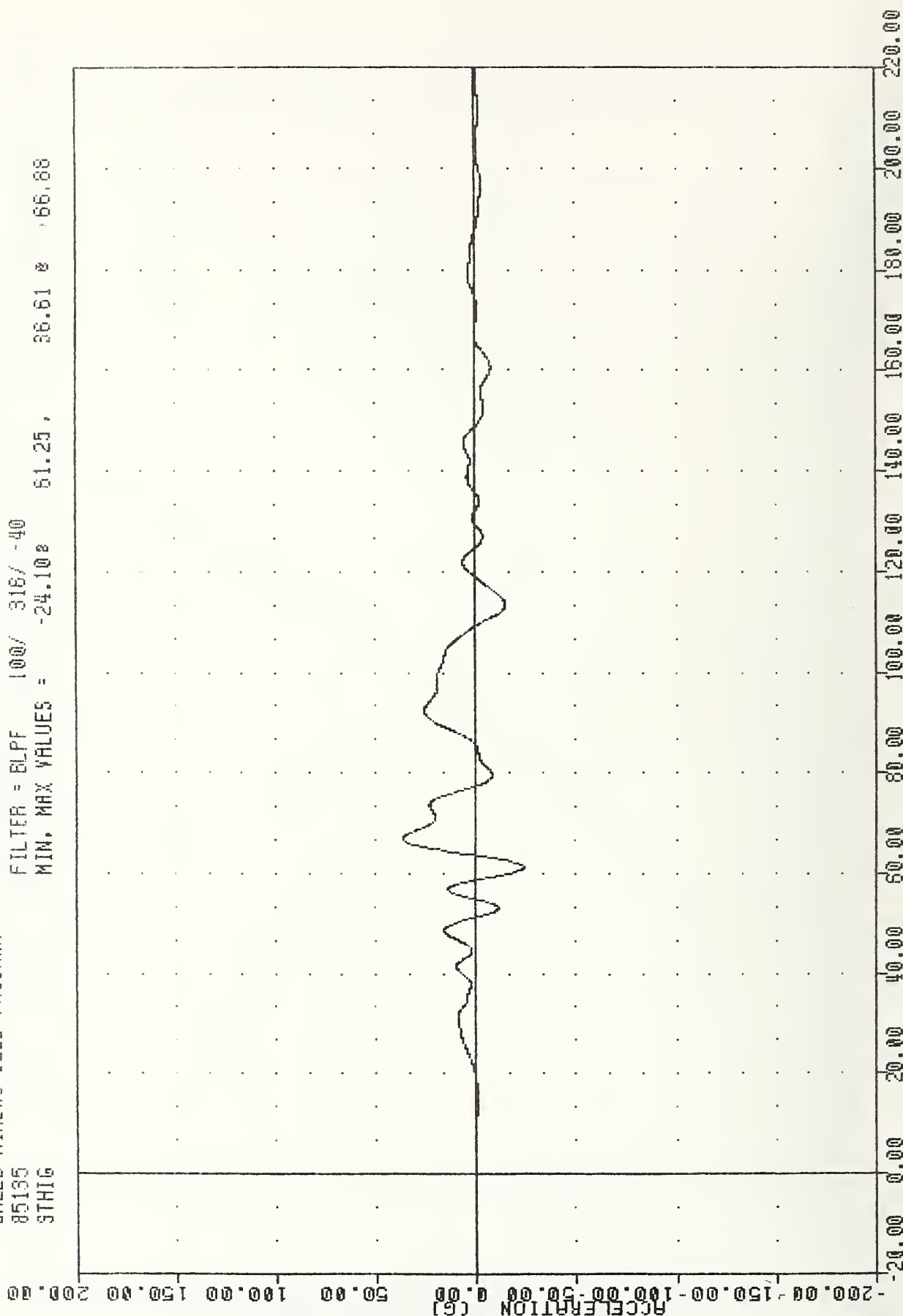
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING STHPV

VRTC
BREED AIRBAG SLED PROGRAM
85135
STHIG

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -24.10g 61.25, 36.61g 66.68



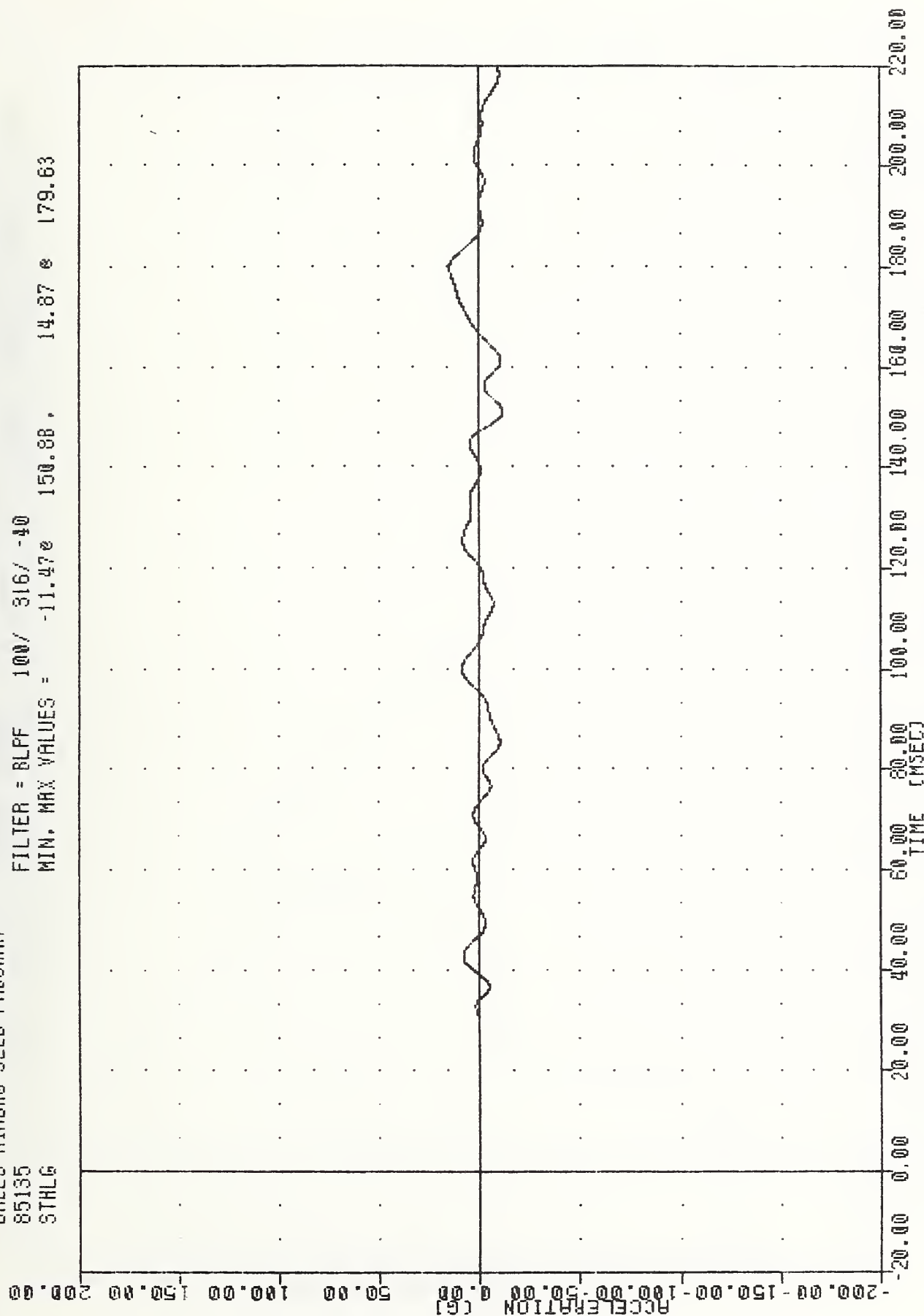
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VATIC , RD384-4-32
 BREED HIRABAG SLED PROGRAM
 85135
 STHLG

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -11.47e 150.88, 14.87 e 179.63



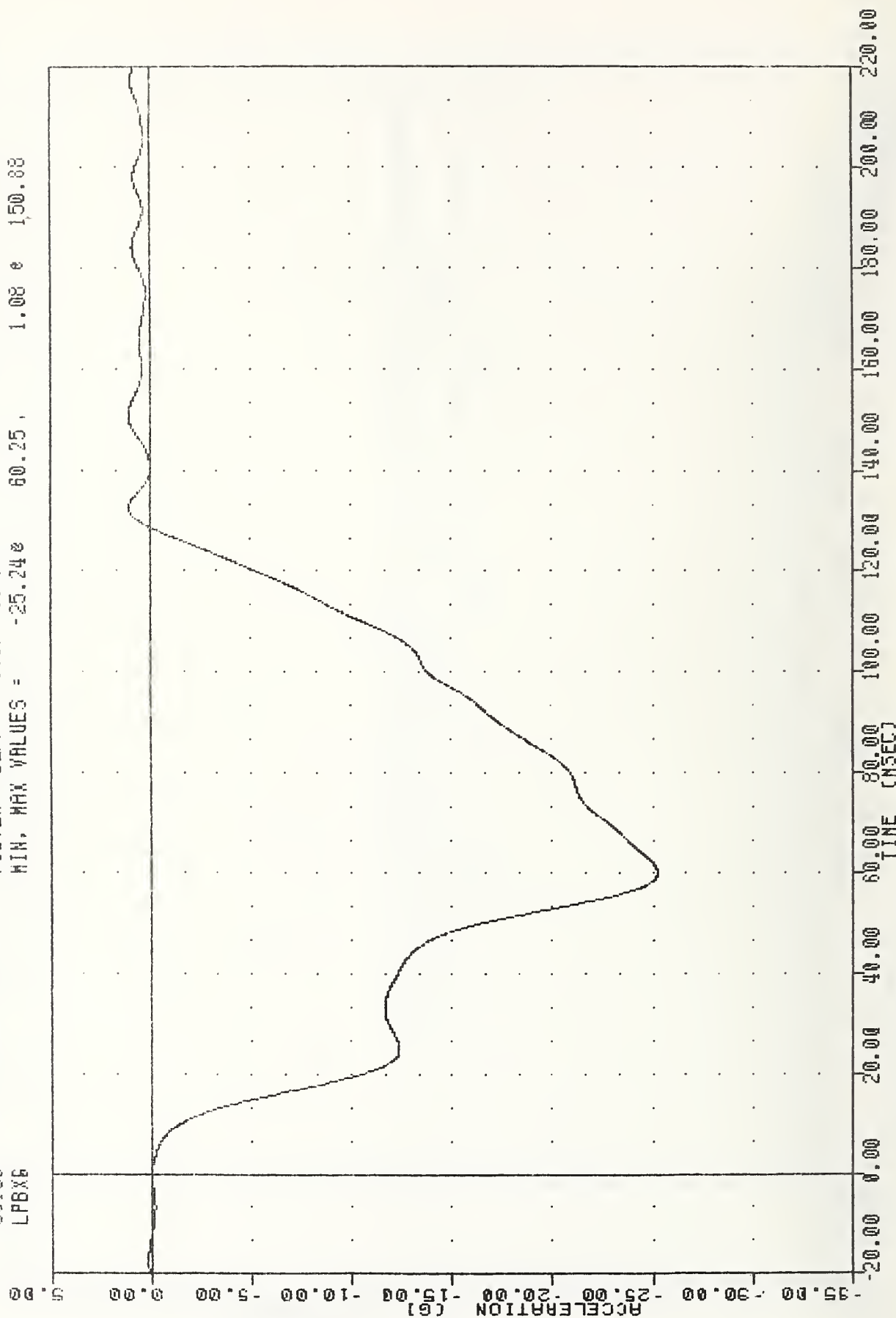
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION W-L AXIS

VATC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 05135
 LPBX6

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -25.24g 60.25, 1.08 e 150.88



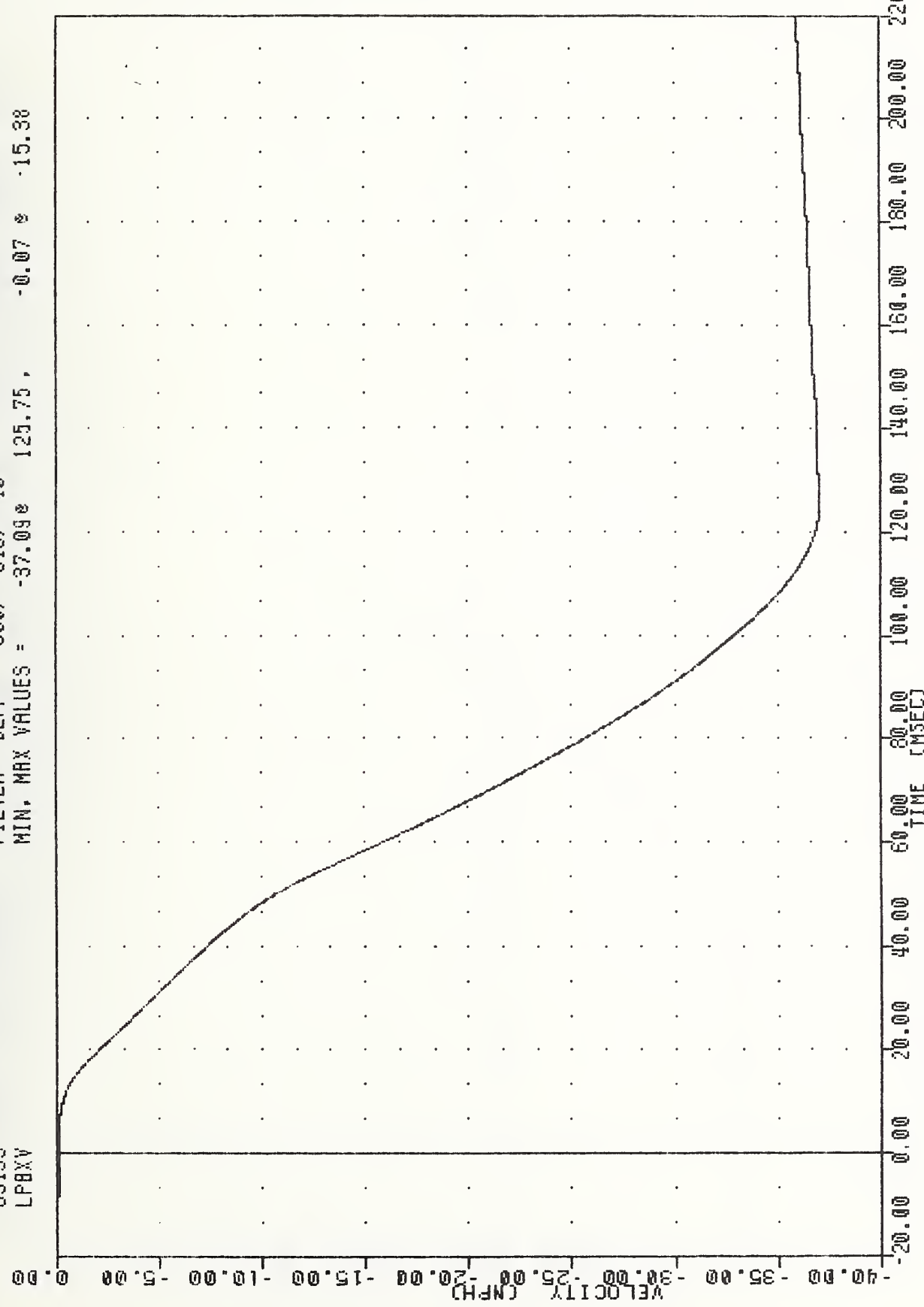
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION X AXIS

VRIC , RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
LPBXV

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.09e 125.75, -0.07 e -15.38



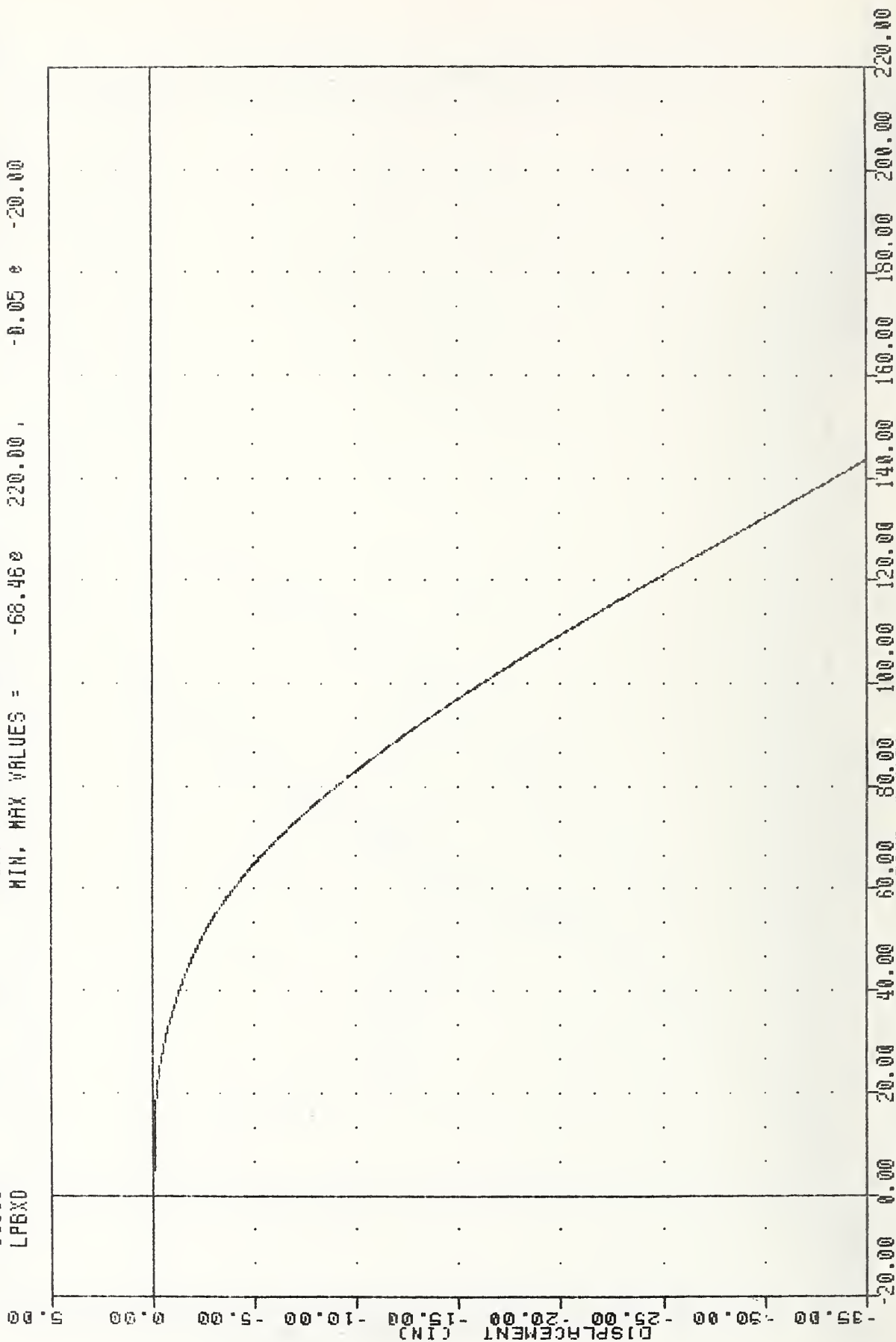
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRTC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 LPBXD

PLUT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -68.460 220.00 , -0.05 0 -20.00



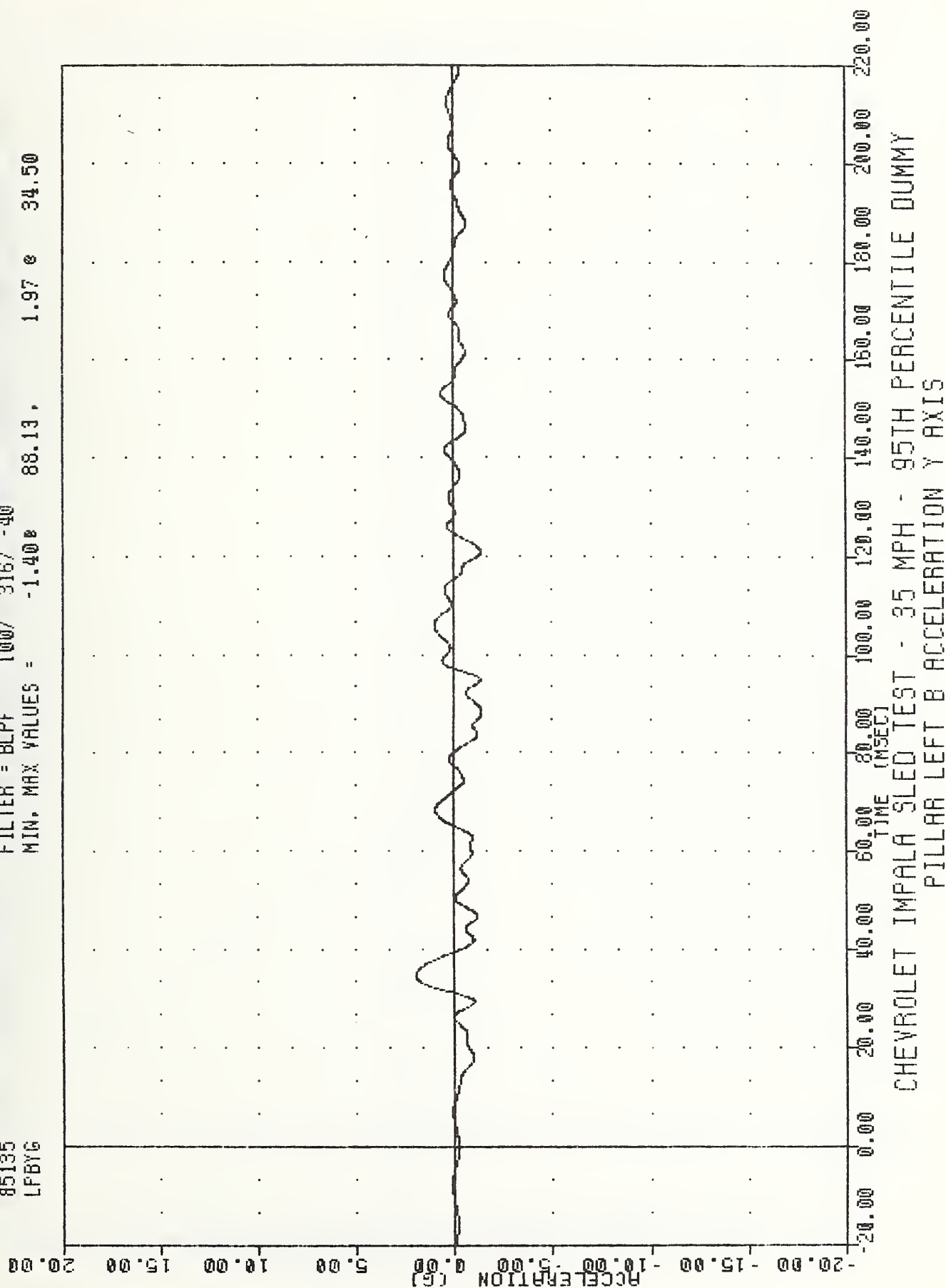
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING LPBXV

NRTC
BREED AIRBAG SLED PROGRAM
85135
LPBYG

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.40 88.13 1.97 34.50

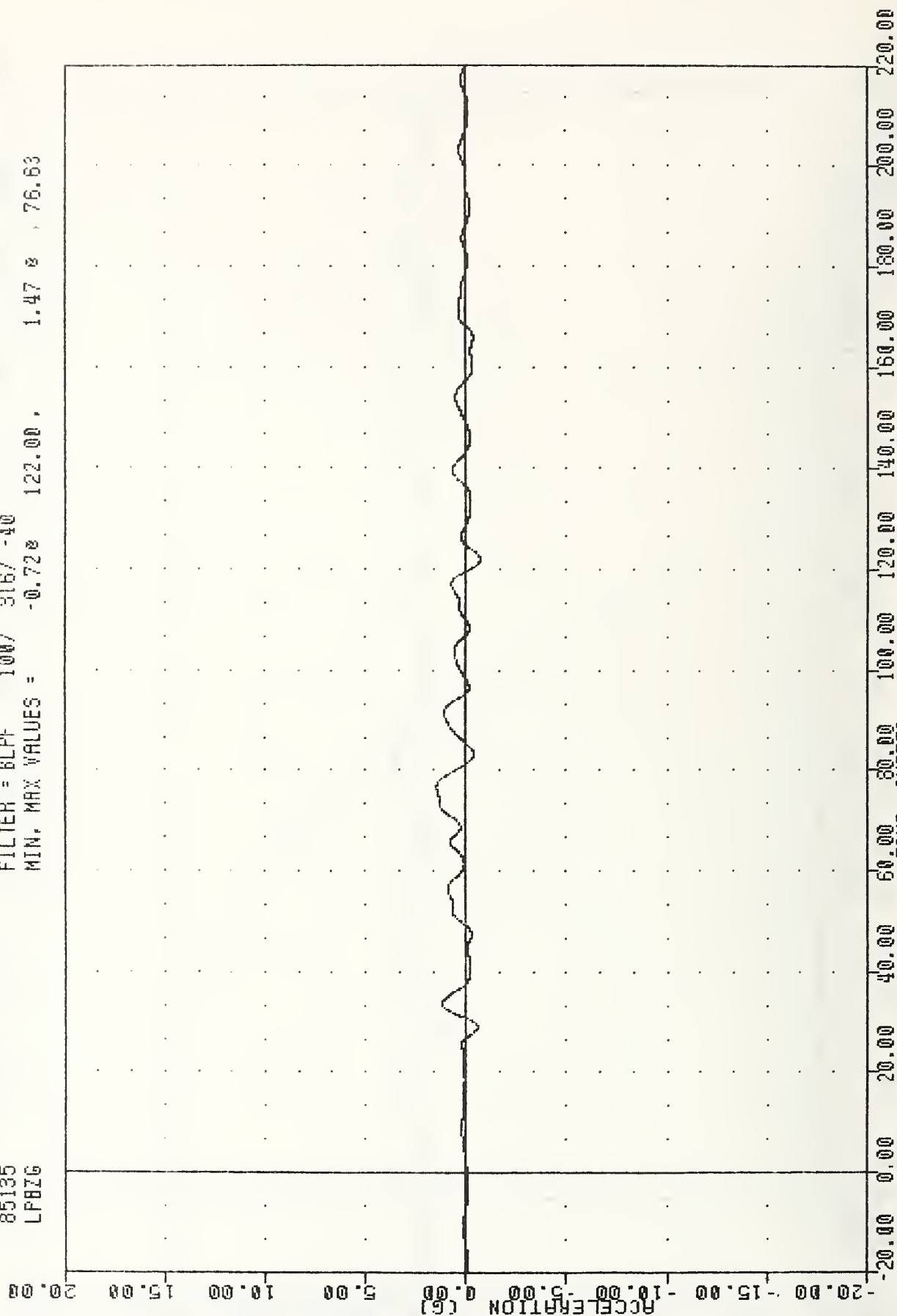


VRIC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 LPBZG

PLOT DATE 15-MAY-85 15:47:16

FILTER = 6LPF 100/ 316/ -40

MIN. MAX VALUES = -0.72g 122.00 , 1.47 g , 76.63



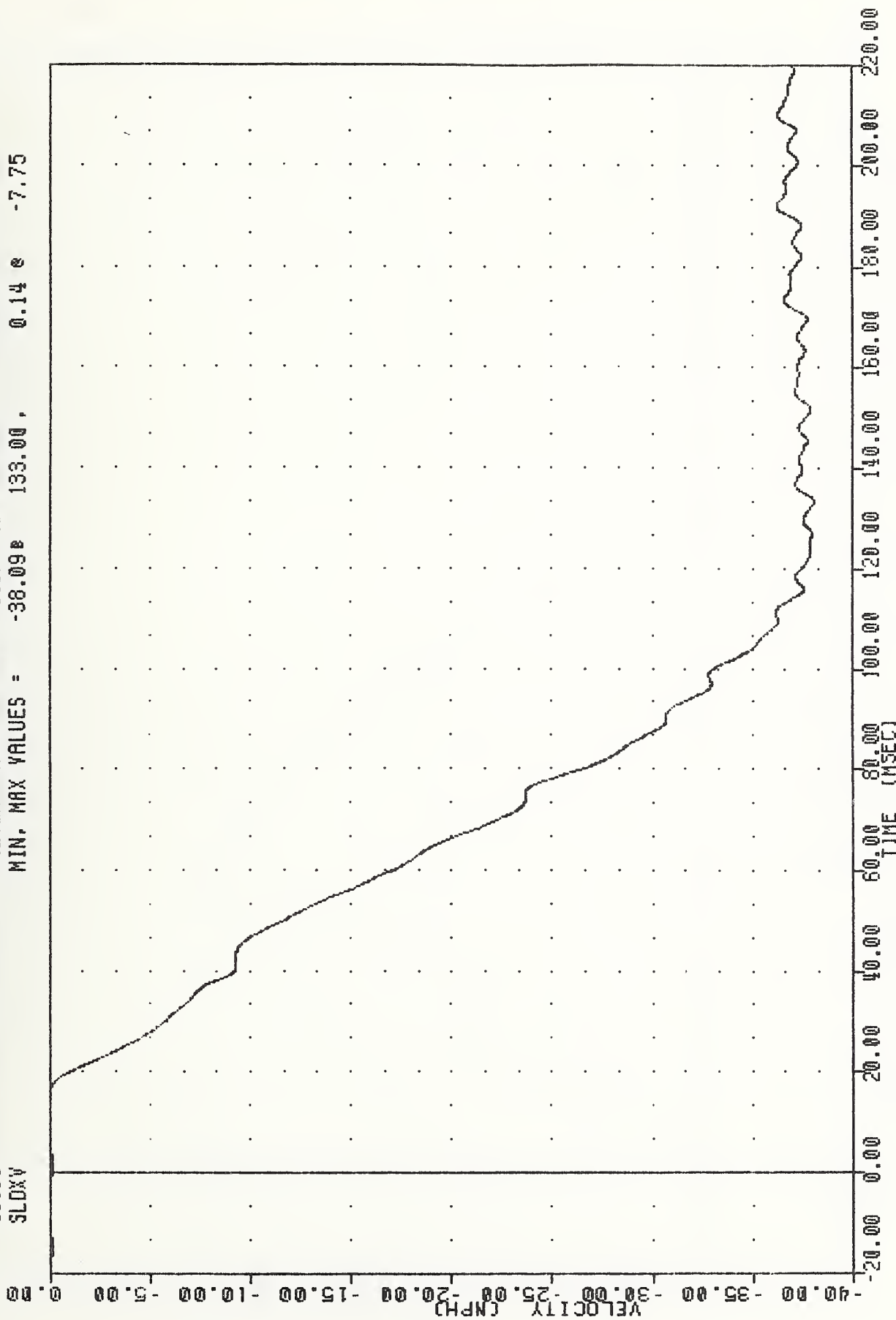
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION Z AXIS

VRTC , R0384-4-32
BREED AIRBAG SLED PROGRAM
85135
SLDXV

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -38.09 133.00 , 0.14 e -7.75



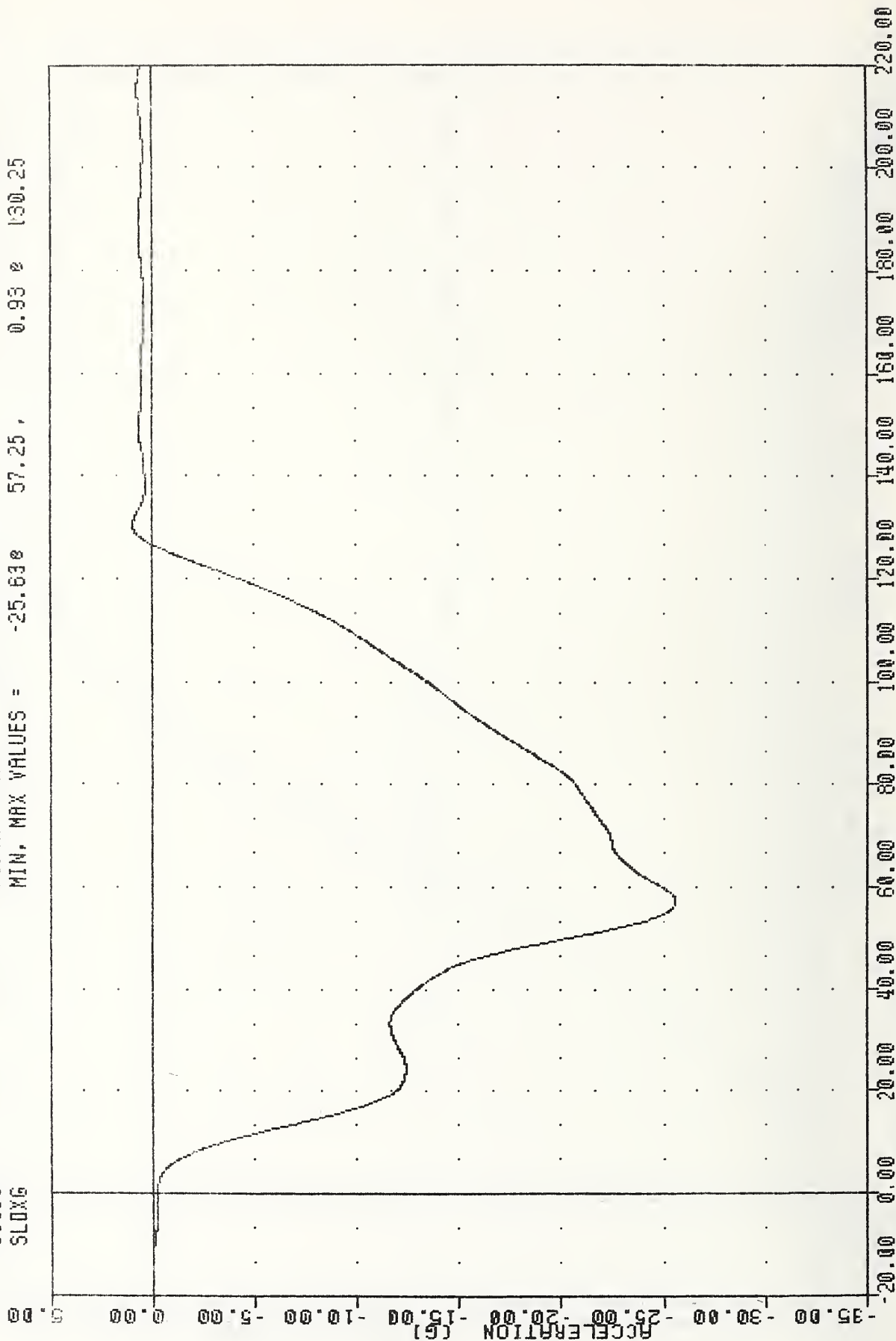
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRIC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 SLOXG

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.638 57.25, 0.93 130.25



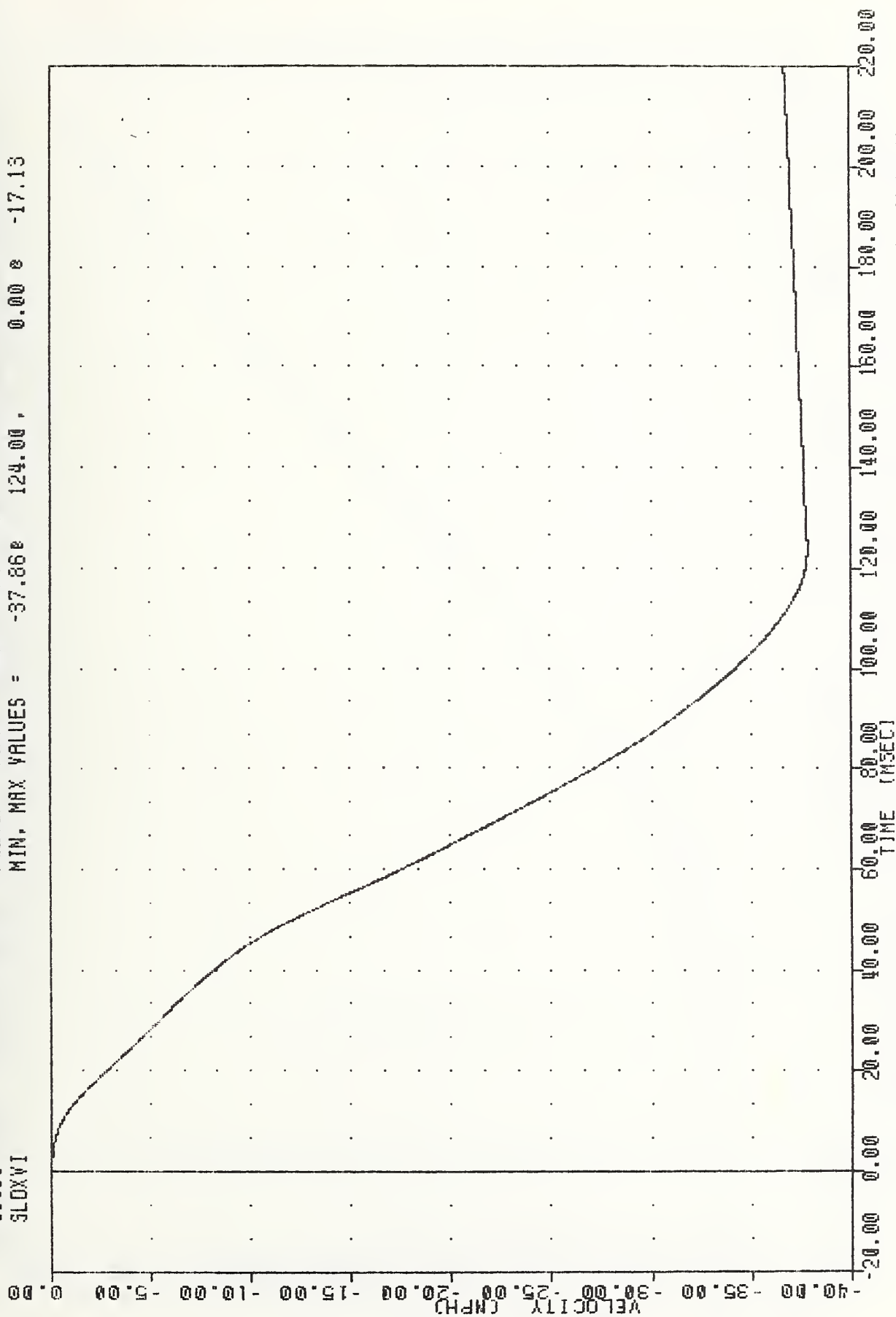
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 SLED ACCELERATION

VRTC , R0384-4-32
BREED AIRBAG SLED PROGRAM
85135
SLOXVI

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -37.86e 124.00, 0.00 e -17.13



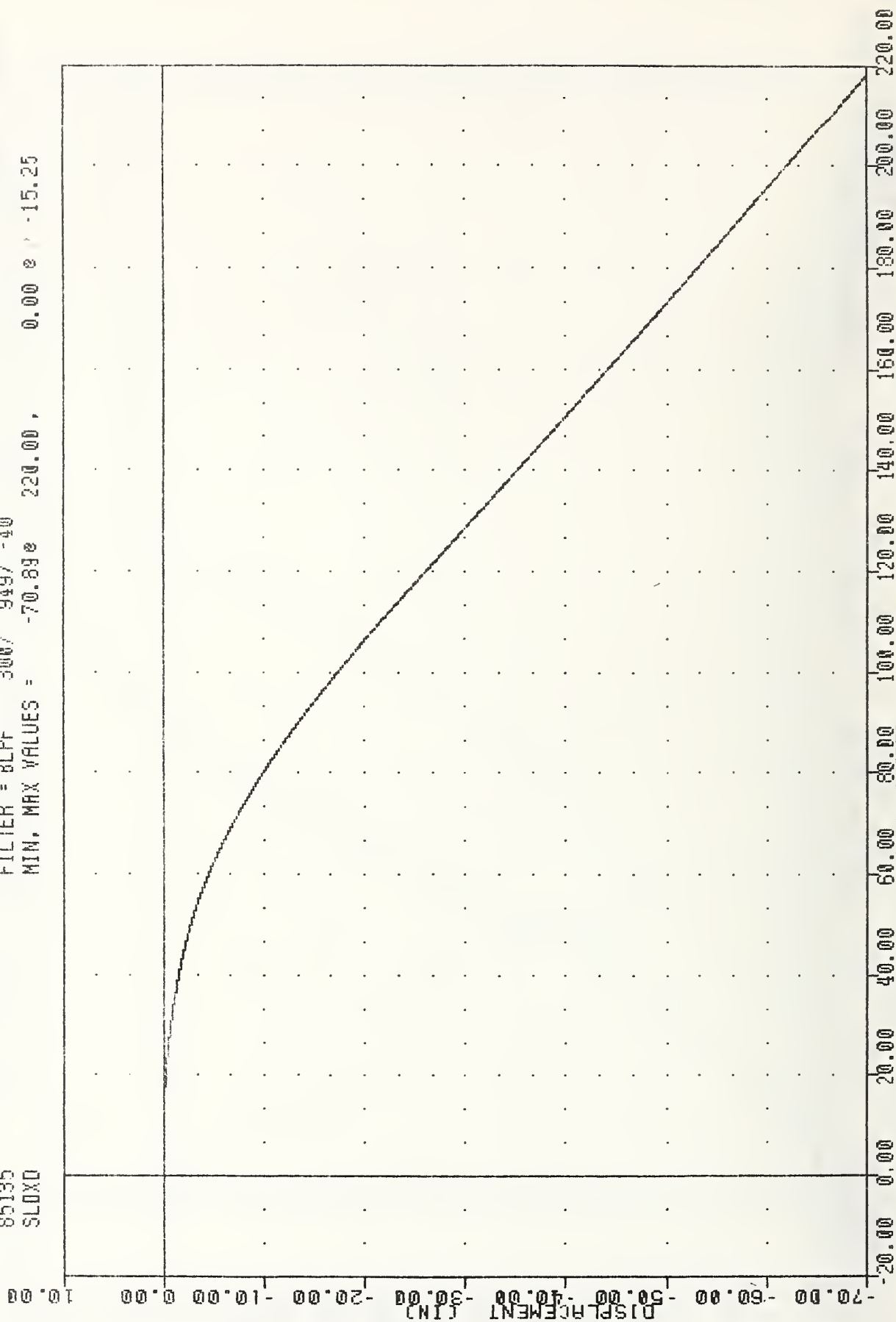
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRIC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 SLOXD

PLOT DATE 15-MAY-85 15:49:27

FILTER = BLPF 300/ 949/ -40

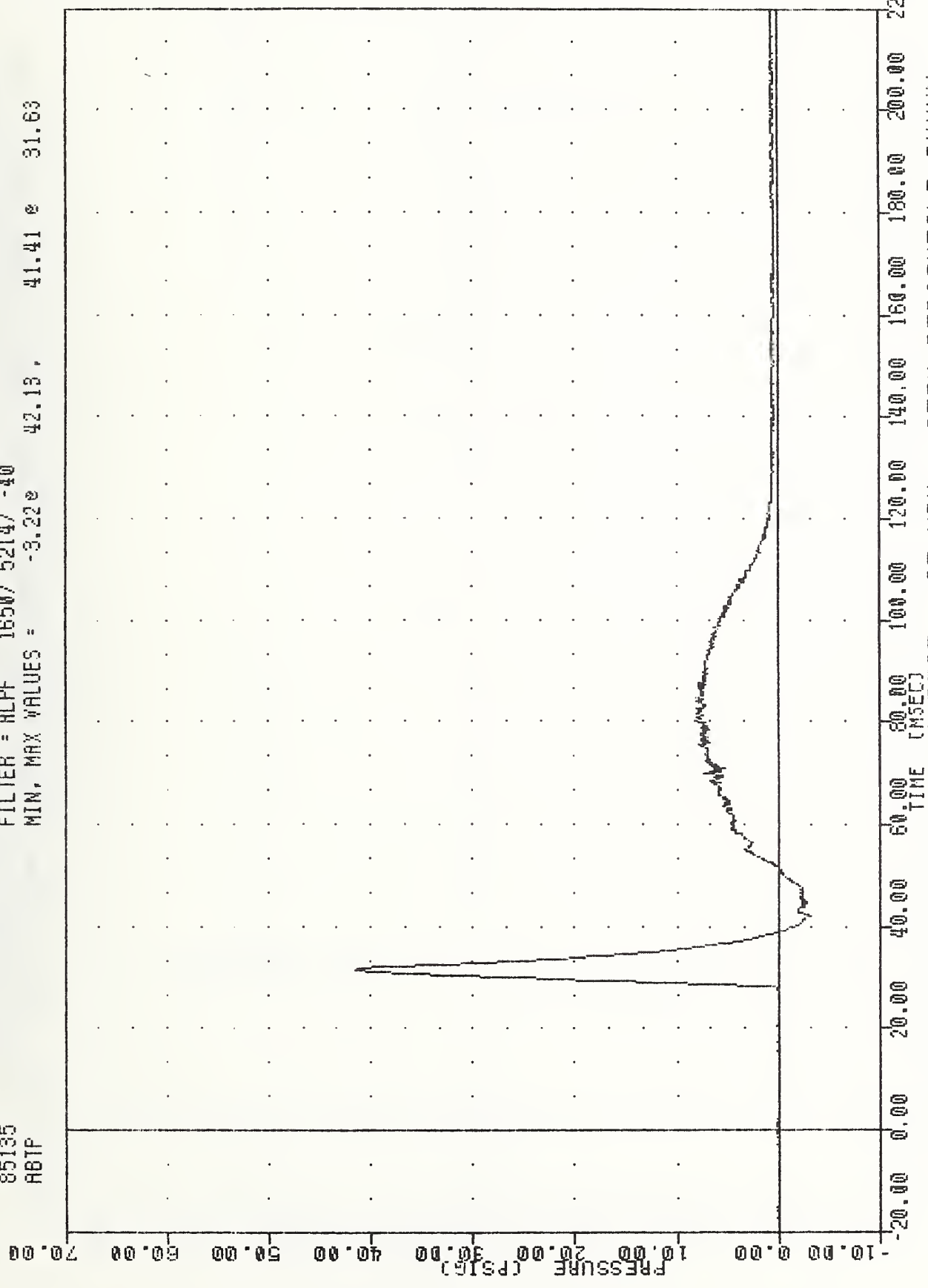
MIN, MAX VALUES = -70.89e 220.00 , 0.00 e -15.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DELTA X USING SLOXVI

WRIC , RD384-4-32 PLOT DATE 15-MAY-85 15:47:16
 BREED AIRBAG SLED PROGRAM
 85135
 ABTP
 FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -3.22e 42.13, 41.41 e 31.63



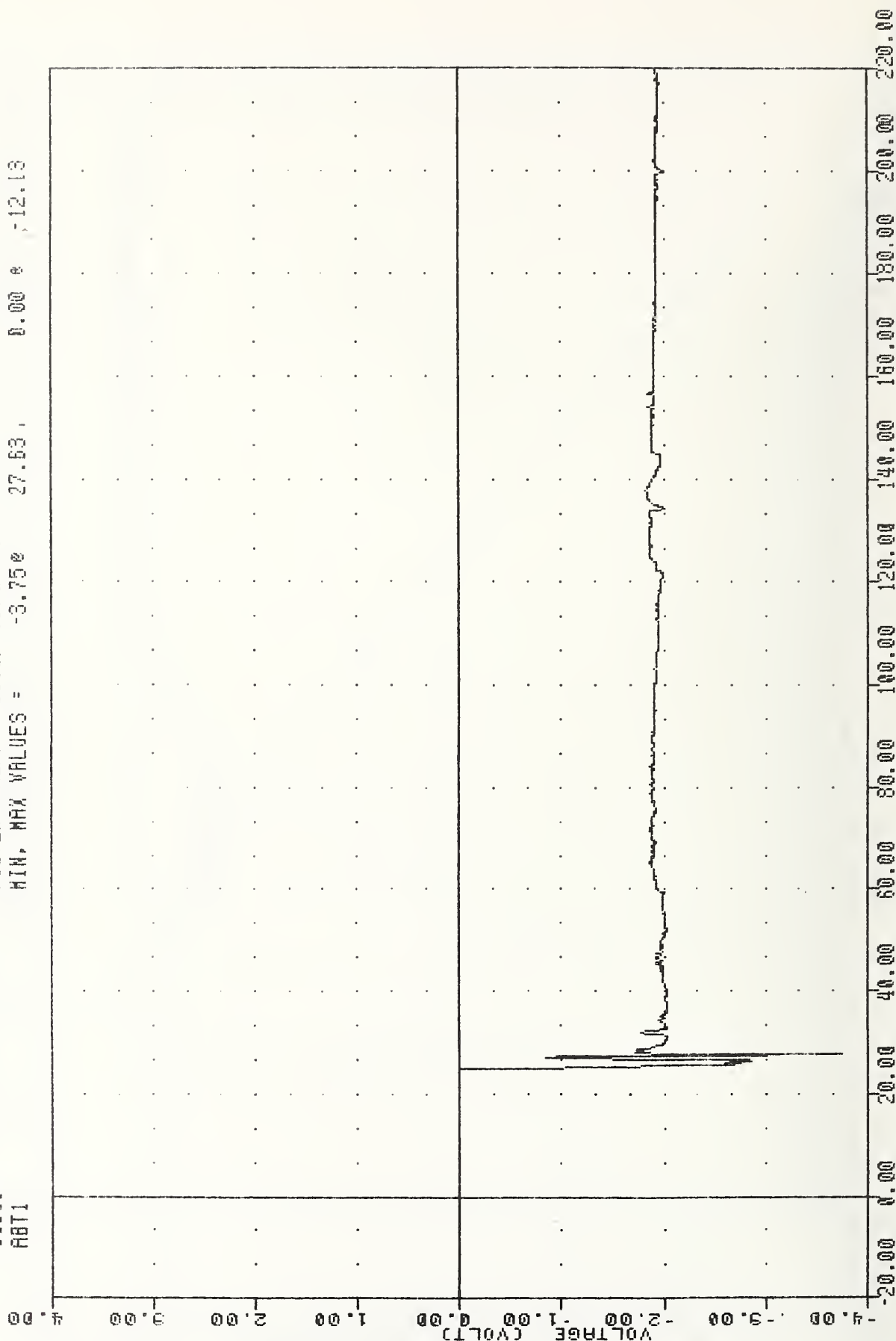
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VRTC : RD384-4-92
 BREED AIRBAG SLED PROGRAM
 85135
 ABT1

PLOT DATE 15-MAY-85 15:47:18

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.750 27.53 , 0.00 * -12.13



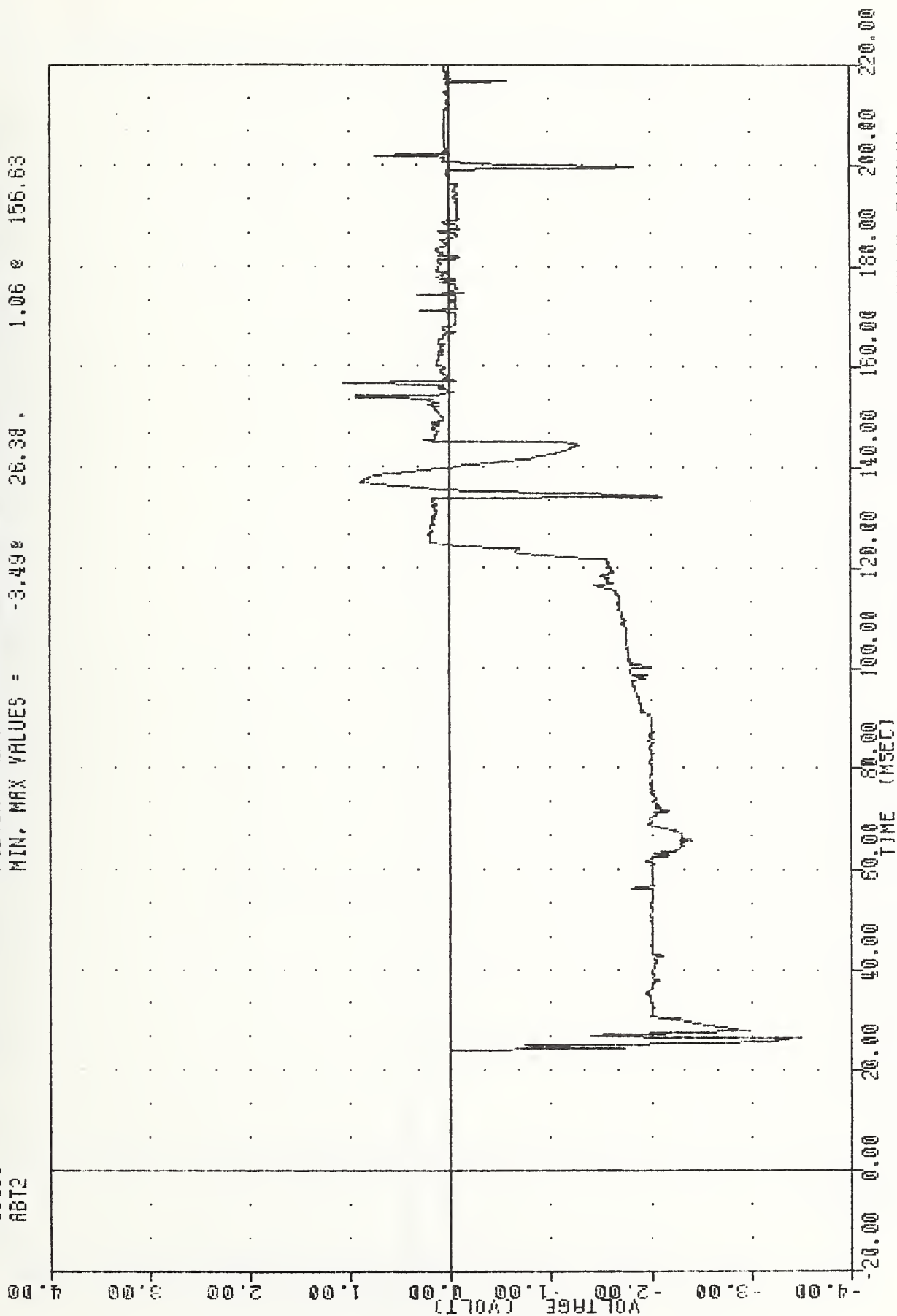
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 SENSOR BURMWIRE 1

VRIC
BREED AIRBAG SLED PROGRAM
85135
ABT2

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.49% 26.38, 1.06 @ 156.63



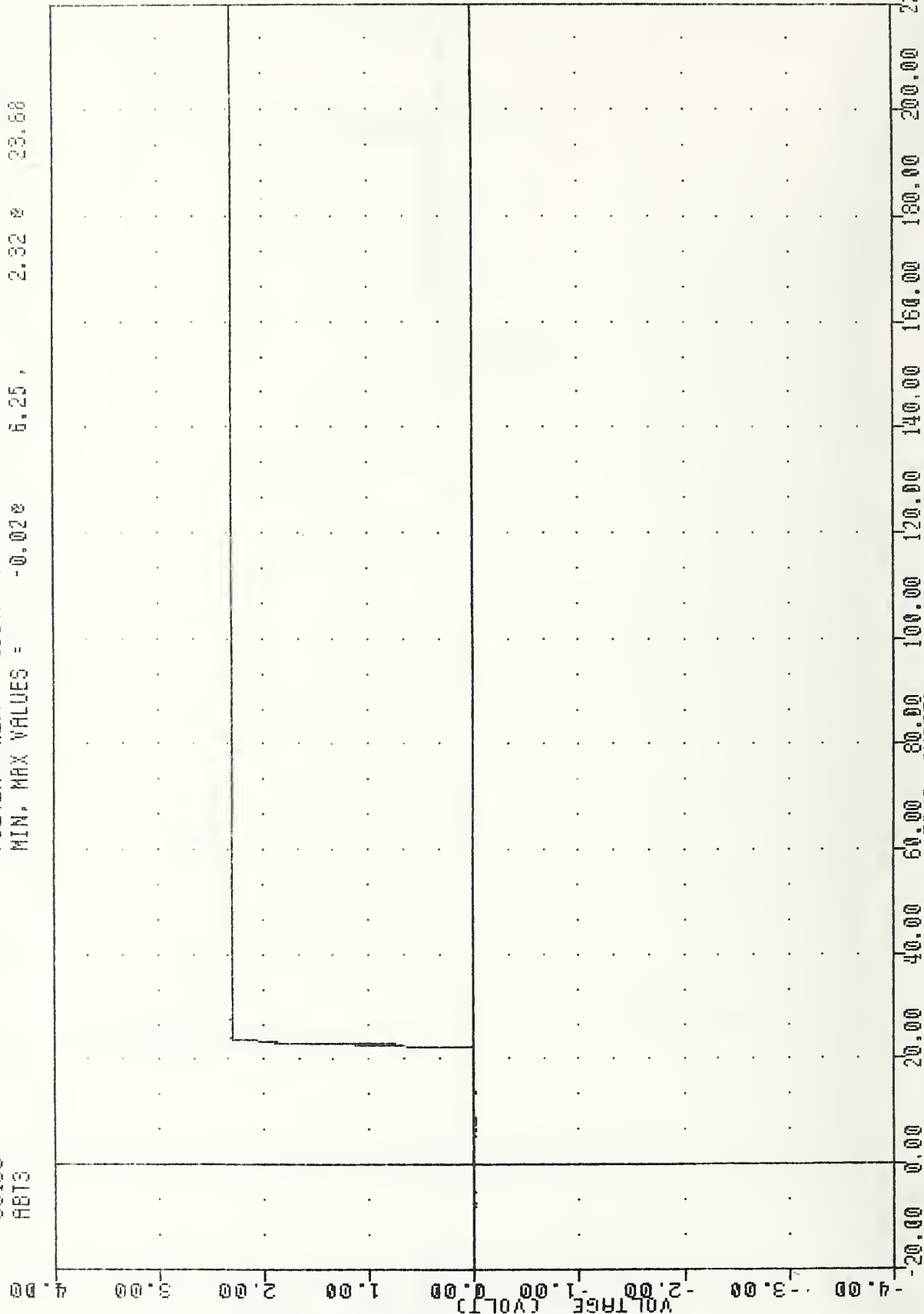
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRIC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 ABT3

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.020 6.25, 2.32 0 23.60



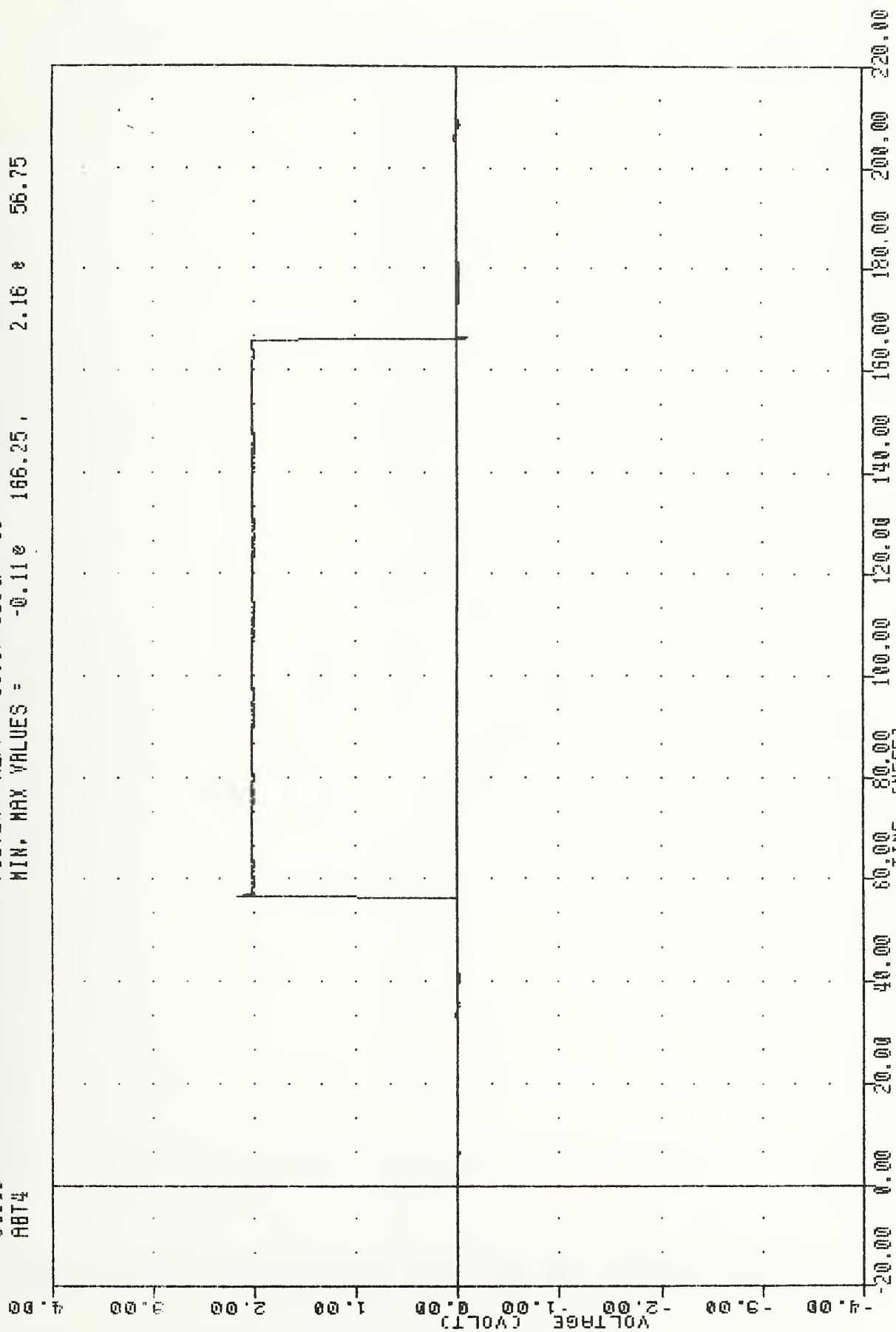
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VRIC RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 ABT4

PLOT DATE 15-MAY-85 15:47:16

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.11e 166.25 , 2.16 e 56.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 KNEE CONTACT

VRTC , R0384-4-32
BREED AIRBAG SLED PROGRAM
85135
HEORG1

PLOT DATE 15-MAY-85 15:50:07

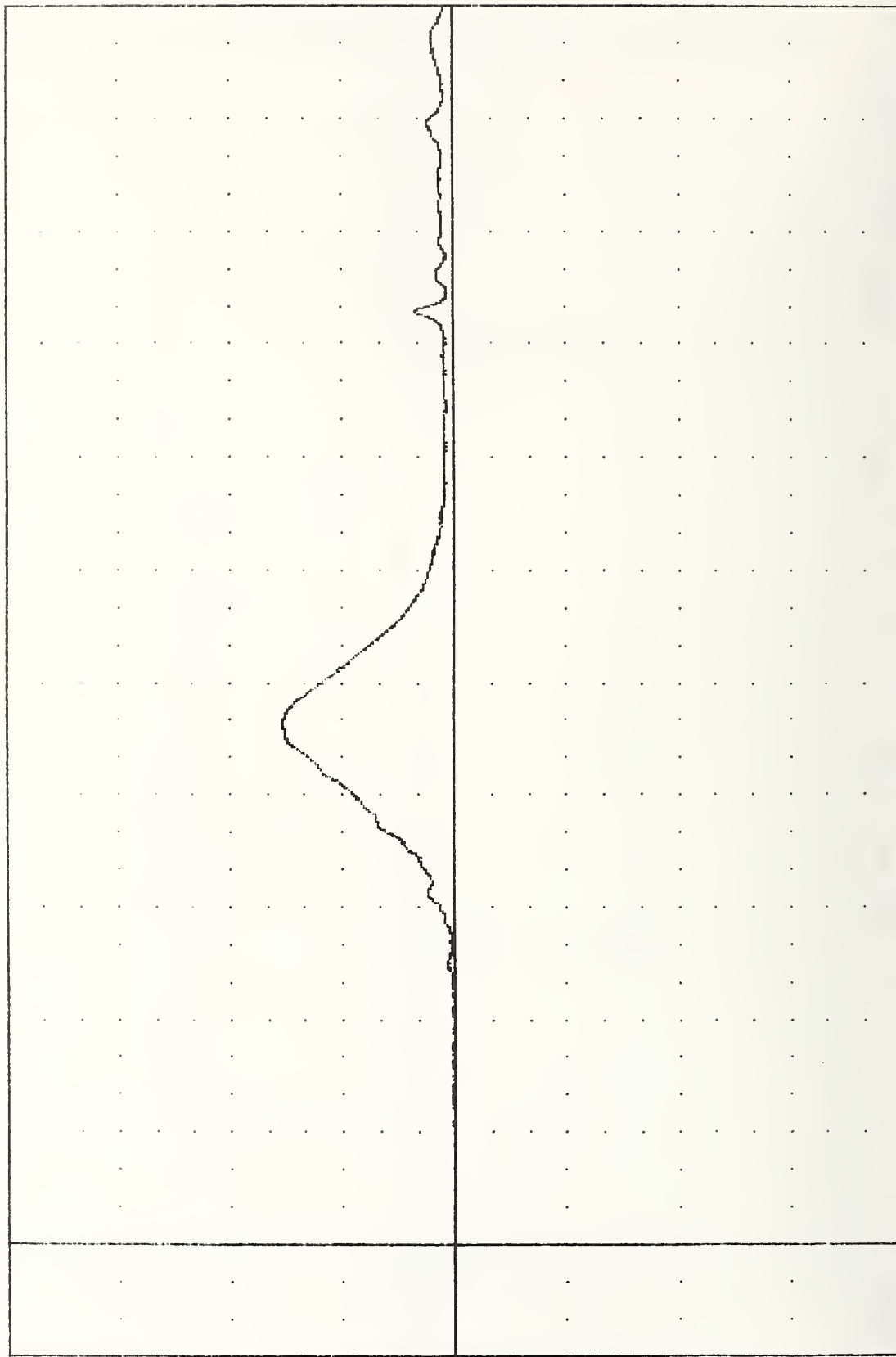
FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.06e

1.25, 76.82 e 93.25

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

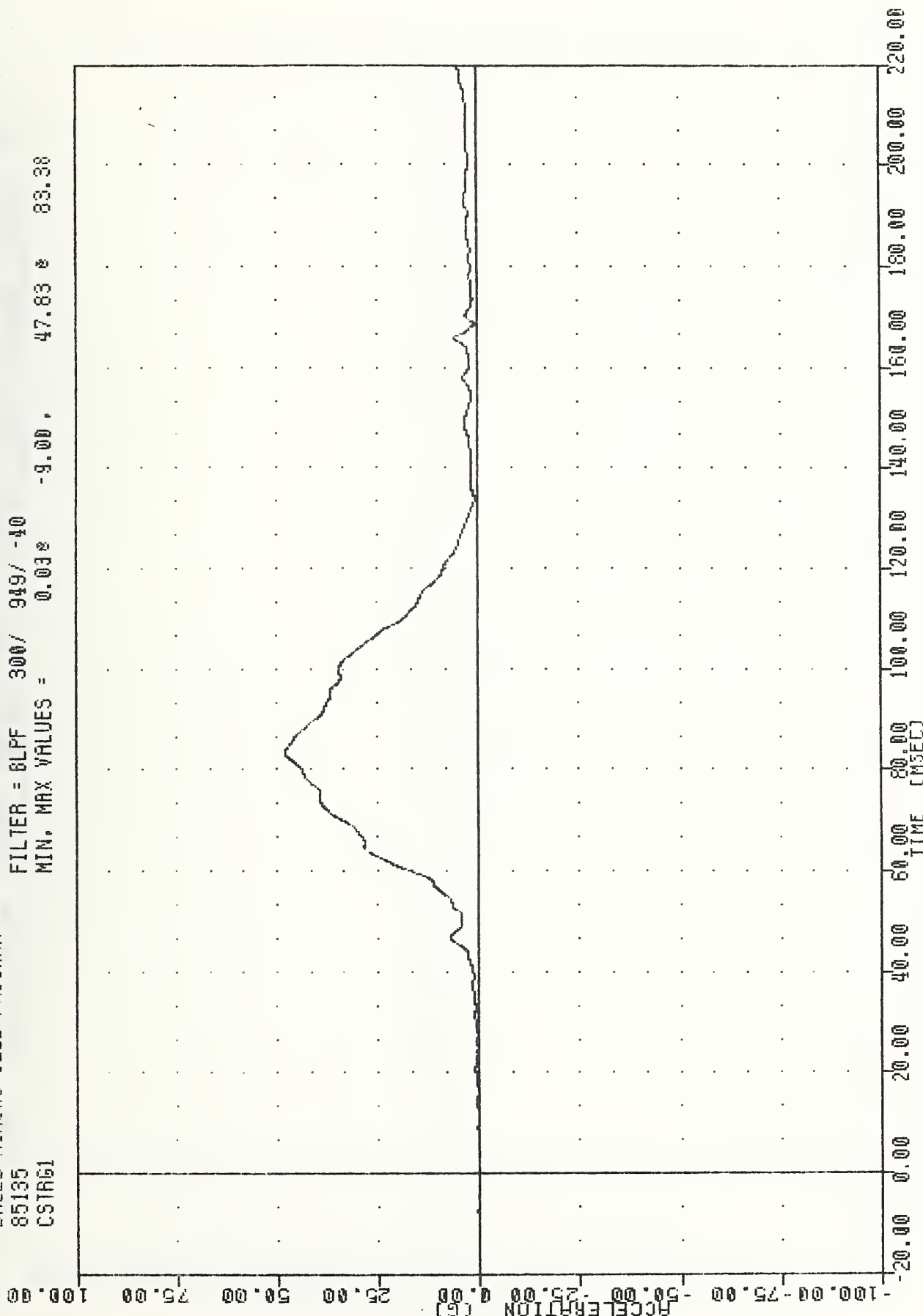
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 CSTRG1

PLOT DATE 15-MAY-85 15:50:07

FILTER = 6LPF 300/ 949/ -40

MIN. MAX VALUES = 0.03% -9.00 47.83 83.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST RESULTANT

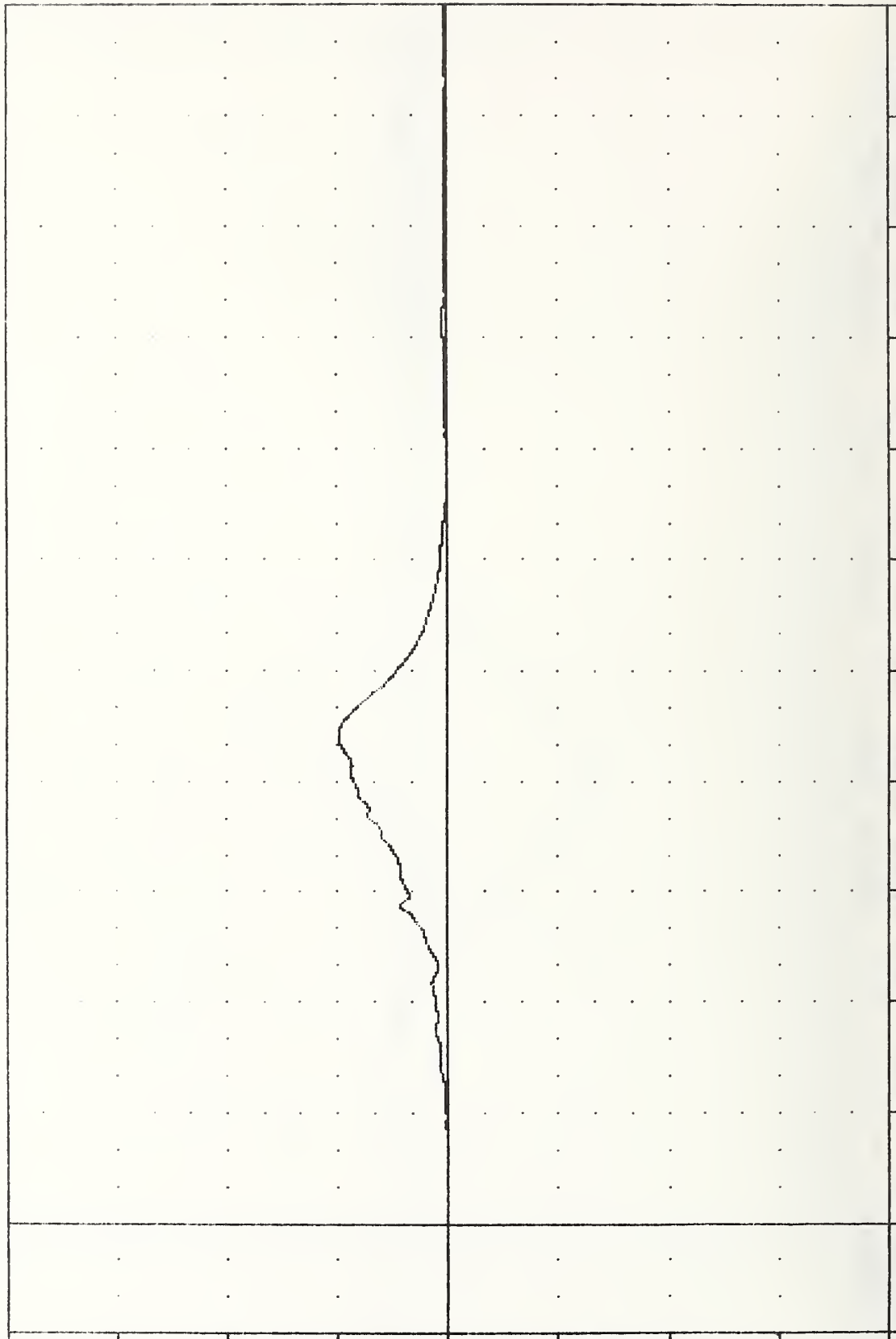
VRTC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 PEVRE1

PLOT DATE 15-MAY-85 15:50:07

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.058 14.13 49.42 88.00

ACCELERATION (G)



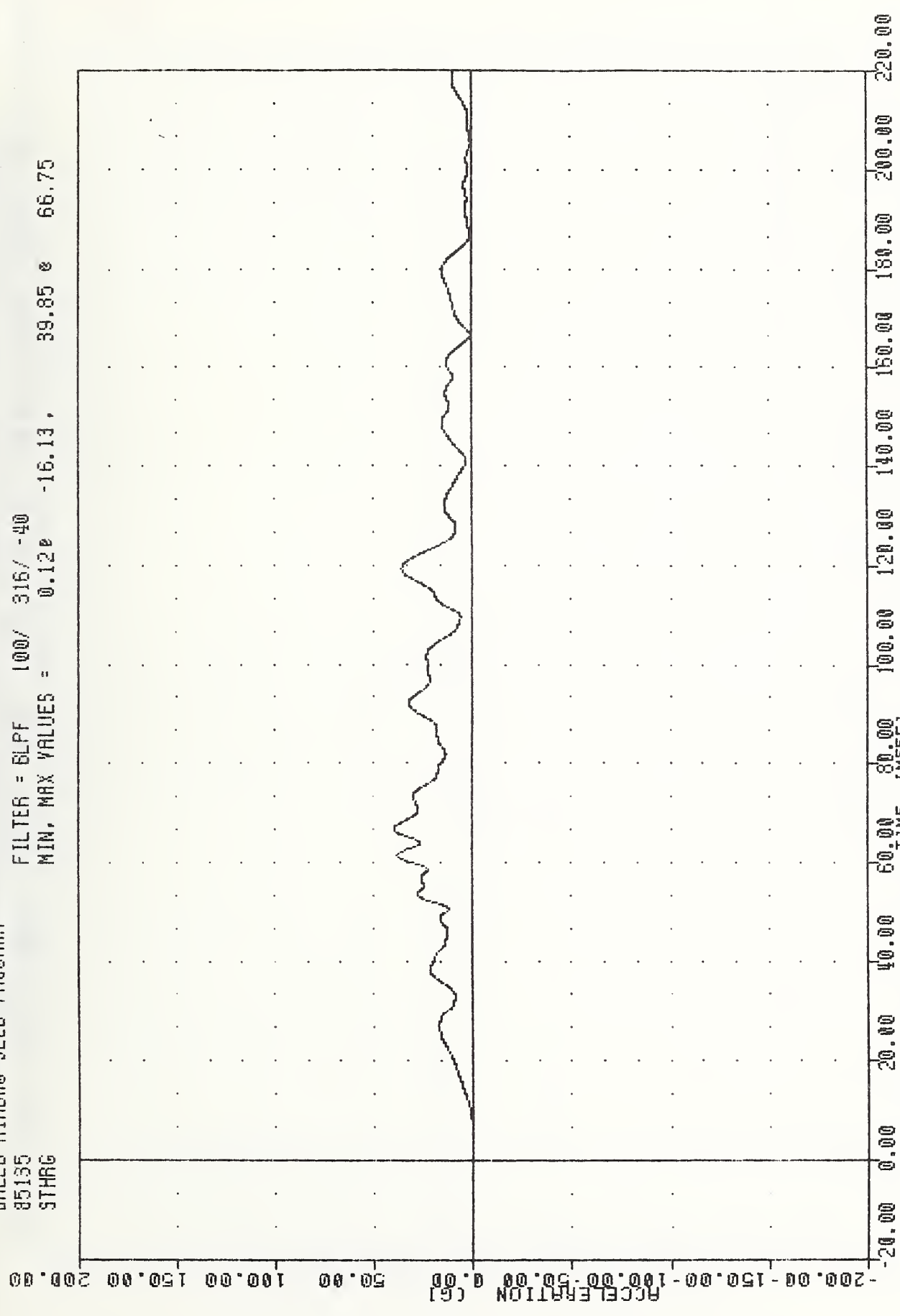
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

VRAC RD384-4-32
BREED AIRBAG SLED PROGRAM
85135
STHRG

PLOT DATE 15-MAY-85 15:50:07

FILTER = 6LPF 100/ 316/ -40
MIN, MAX VALUES = 0.12e -16.13, 39.85 e 66.75

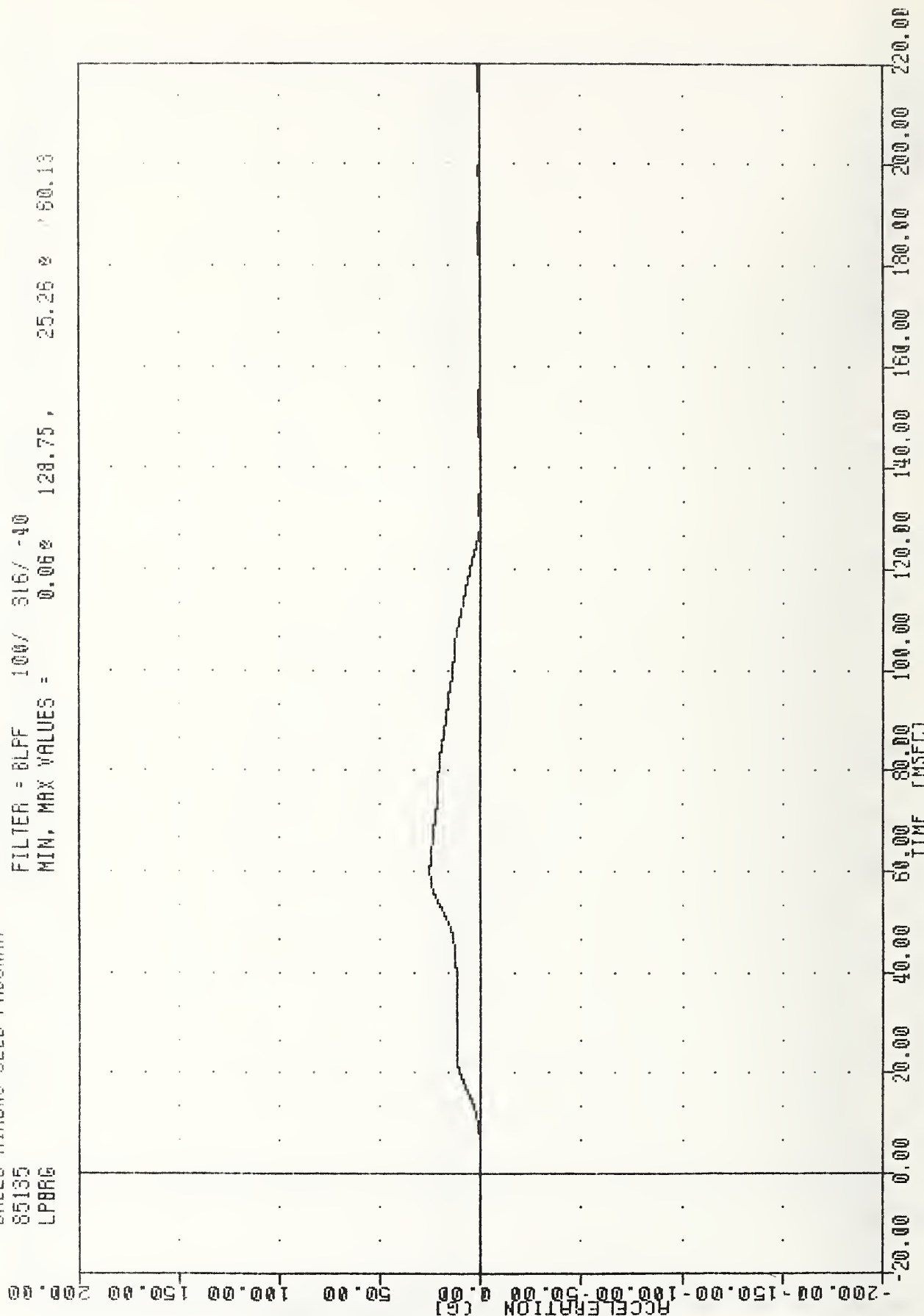


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

VRTC 85135
 BREED AIRBAG SLED PROGRAM
 LPBAG

PLOT DATE 15-MAY-85 15:50:47

FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = 0.06% 128.75, 25.26% 50.13



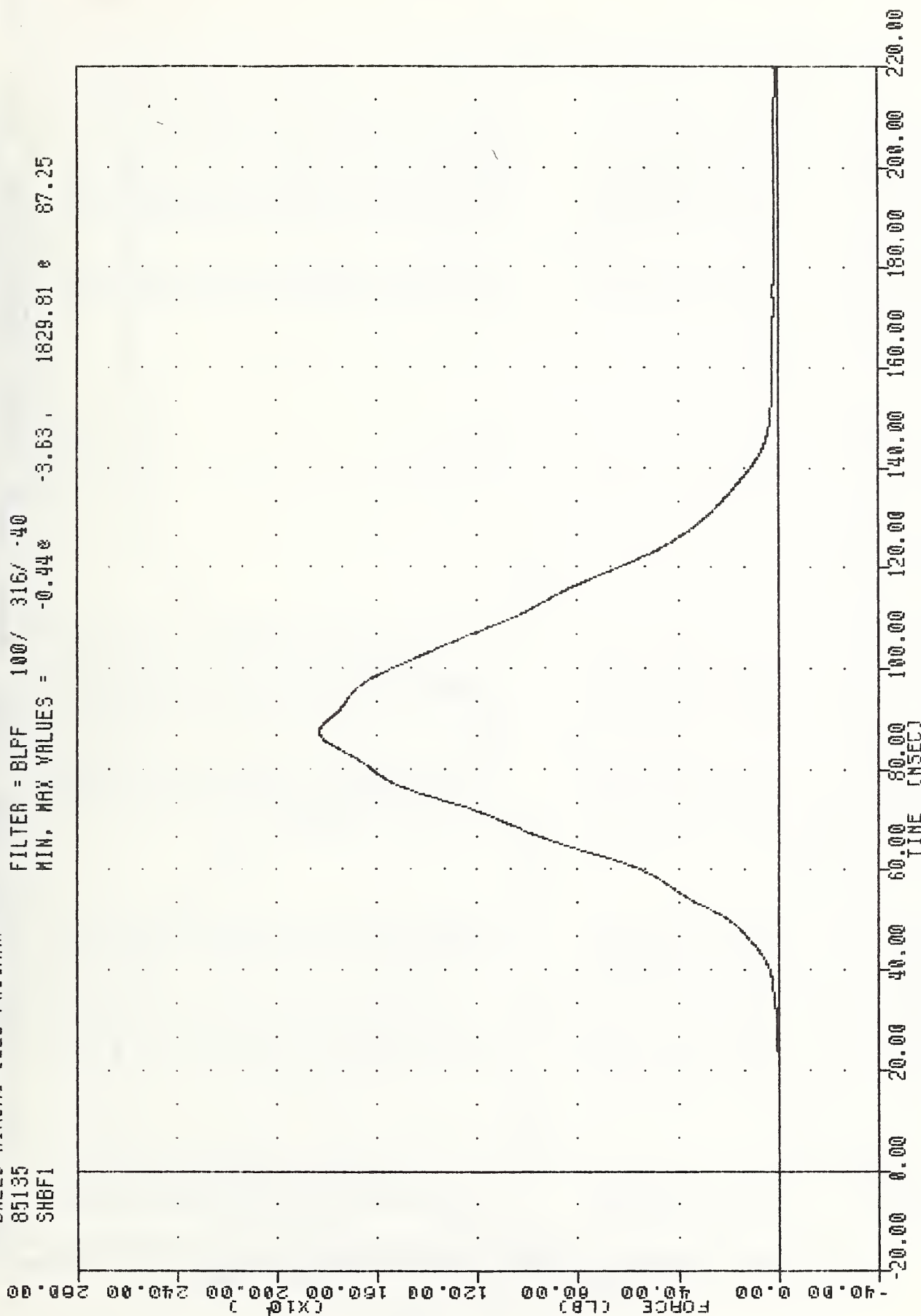
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

VRTC , RD384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 SHBF1

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -0.44e -3.63 , 1829.81 e 87.25

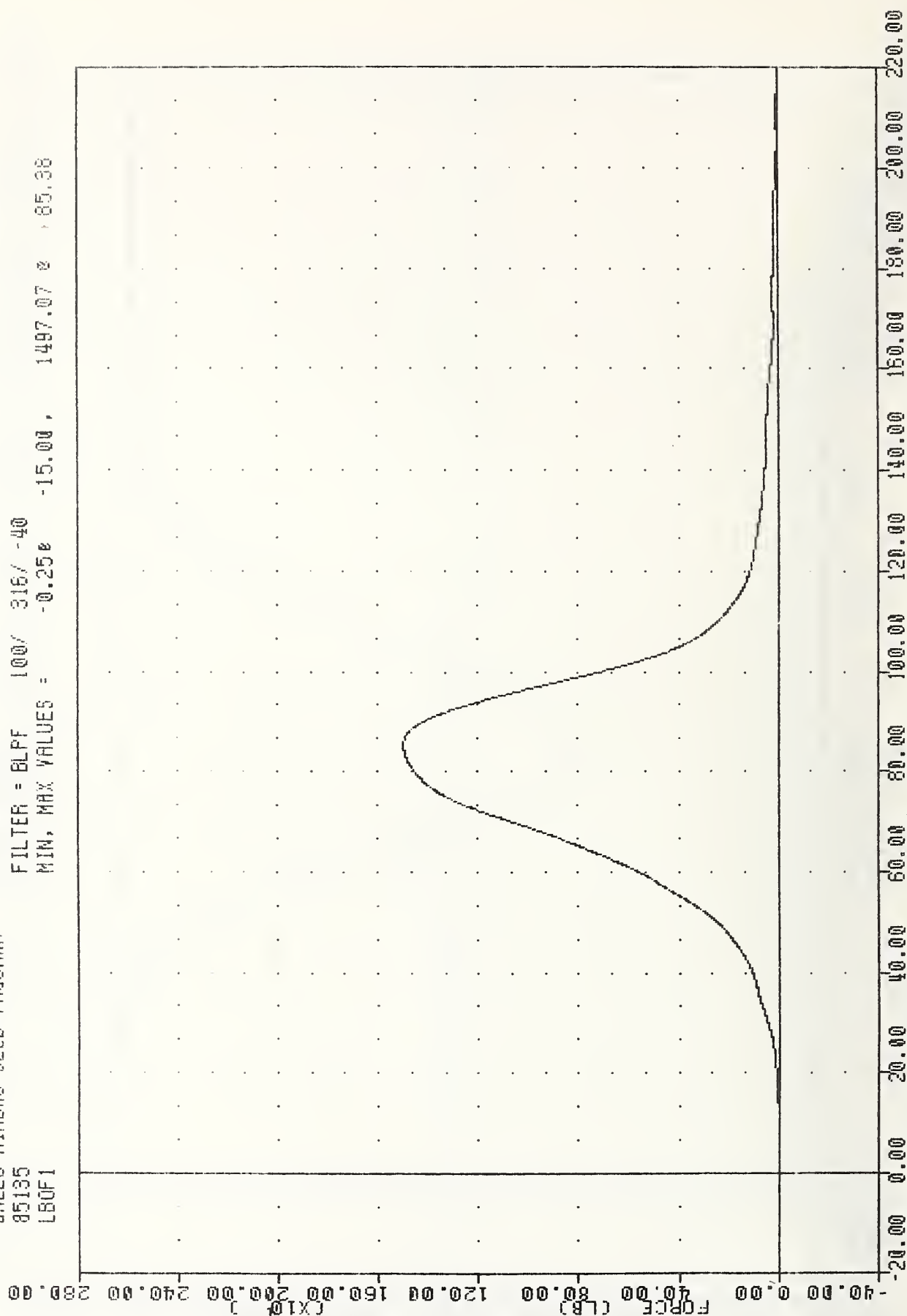


CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER SHOULDER BELT FORCE LBS

VRTC , R0384-4-32
 BREED AIRBAG SLED PROGRAM
 85135
 L80F1

PLOT DATE 15-MAY-85 15:47:16

FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = -0.25e -15.00, 1497.07 e +85.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

TRC440P. RAD; 1

RD384-4-33 BREED AIRBAG SLED PROGRAM

16-MAY-85 15:26

VRTC
BS136 35.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.073 @	1.635 @	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.312 @	8.750 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.760 @	0.895 @	g	BLPF 100/ 316/ -40
4	HEDXG1	-50.204 @	2.190 @	g	ALPF 1650/ 5214/ -40
5	HEDVG1	-3.439 @	3.713 @	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-6.636 @	23.106 @	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-44.842 @	1.012 @	g	BLPF 300/ 949/ -40
8	CSTVG1	-2.517 @	2.004 @	g	BLPF 300/ 949/ -40
9	CSTZG1	-6.420 @	4.299 @	g	BLPF 300/ 949/ -40
10	USTXG1	-119.142 @	99.280 @	g	BLPF 300/ 949/ -40
11	LSTXG1	-90.170 @	64.743 @	g	BLPF 300/ 949/ -40
12	PEVXG1	-54.467 @	1.313 @	g	BLPF 300/ 949/ -40
13	PEVVG1	-2.726 @	2.506 @	g	BLPF 300/ 949/ -40
14	PEVZG1	-25.547 @	1.655 @	g	BLPF 300/ 949/ -40
15	LFMF1	-691.883 @	64.262 @	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-475.003 @	33.144 @	lb	BLPF 1000/ 3162/ -40
17	STHVG	-107.195 @	43.823 @	g	BLPF 100/ 316/ -40
18	STHLG	-10.648 @	13.304 @	g	BLPF 100/ 316/ -40
19	STHVG	-23.580 @	33.850 @	g	BLPF 100/ 316/ -40
20	LPBVG	-25.581 @	1.271 @	g	BLPF 100/ 316/ -40
21	LPBVG	-1.935 @	2.239 @	g	BLPF 100/ 316/ -40
22	LPBVG	-0.863 @	1.336 @	g	BLPF 100/ 316/ -40
23	LBDF1	-0.059 @	1349.405 @	lb	ALPF 1650/ 5214/ -40
24	ABTP	-1.946 @	38.674 @	psig	ALPF 1650/ 5214/ -40
25	ABT1	-3.530 @	0.007 @	volt	ALPF 1650/ 5214/ -40
26	ABT2	-9.247 @	5.423 @	volt	ALPF 1650/ 5214/ -40
27	ABT3	-0.086 @	2.309 @	volt	ALPF 1650/ 5214/ -40
28	ABT4	-2.589 @	2.181 @	volt	ALPF 1650/ 5214/ -40

TRC440IP. RAD; 1

RD384-4-33 BREED AIRBAG SLED PROGRAM

16-MAY-85 15:26

VRTC
BS136 35.00 mph

		Min value	Max value	Data Units	Filter
1	HEDXV1	-42.499 @	0.086 @	mph	BLPF 300/ 949/ -40
2	HEDXD1	-60.158 @	-0.094 @	in	BLPF 300/ 949/ -40
3	CSTXV1	-41.197 @	-0.066 @	mph	BLPF 300/ 949/ -40
4	CSTXD1	-65.312 @	-0.039 @	in	BLPF 300/ 949/ -40
5	PEVXV1	-35.198 @	0.478 @	mph	BLPF 300/ 949/ -40
6	PEVVD1	-59.726 @	0.489 @	in	BLPF 300/ 949/ -40
7	SLDXV1	-38.210 @	0.020 @	mph	BLPF 300/ 949/ -40
8	SLDXV	-71.262 @	0.013 @	in	BLPF 300/ 949/ -40
9	STHPV	-36.440 @	0.311 @	mph	BLPF 300/ 949/ -40
10	STHPD	-58.392 @	0.246 @	in	BLPF 300/ 949/ -40
11	LPBXV	-37.443 @	-0.071 @	mph	BLPF 300/ 949/ -40
12	LPBXD	-68.980 @	-0.046 @	in	BLPF 300/ 949/ -40

TRC440RP. RAD; 1

RD384-4-33 BREED AIRBAG SLED PROGRAM

16-MAY-85 15:26

VRTC
BS136 35.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.065 @	54.799 @	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.025 @	44.871 @	g	BLPF 300/ 949/ -40
3	PEVRG1	0.128 @	58.131 @	g	BLPF 300/ 949/ -40
4	STHRG	0.109 @	107.294 @	g	BLPF 100/ 316/ -40
5	LPBRG	0.030 @	25.593 @	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC440RP.RAD;1
VRTC RD384-4-33 BREED AIRBAG SLED PROGRAM
85136 35.00 mph

* * * HIC computation for HEDRG1 16-MAY-85 15:28
Using time range = 0.000 to 105.250 msec Peak accel = 54.80 @ 86.250
HIC = 319.37 Interval from 65.125 [682] to 94.375 [916]
HIC = 249.47 Interval from 76.000 [769] to 91.000 [889]

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

Enter input filespec -> TRC440RP
File TRC440RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-33 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STRG1 LPBRG

Enter channel name -> CSTRG1
[SLED.BREED]TRC440RP.RAD;1 VRTC RD384-4-33
BREED AIRBAG SLED PROGRAM 35.0 mph 85136 16-MAY-85 15:34:05
Deltax: 0.125

3 MS CLIP PEAK: 43.98445

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

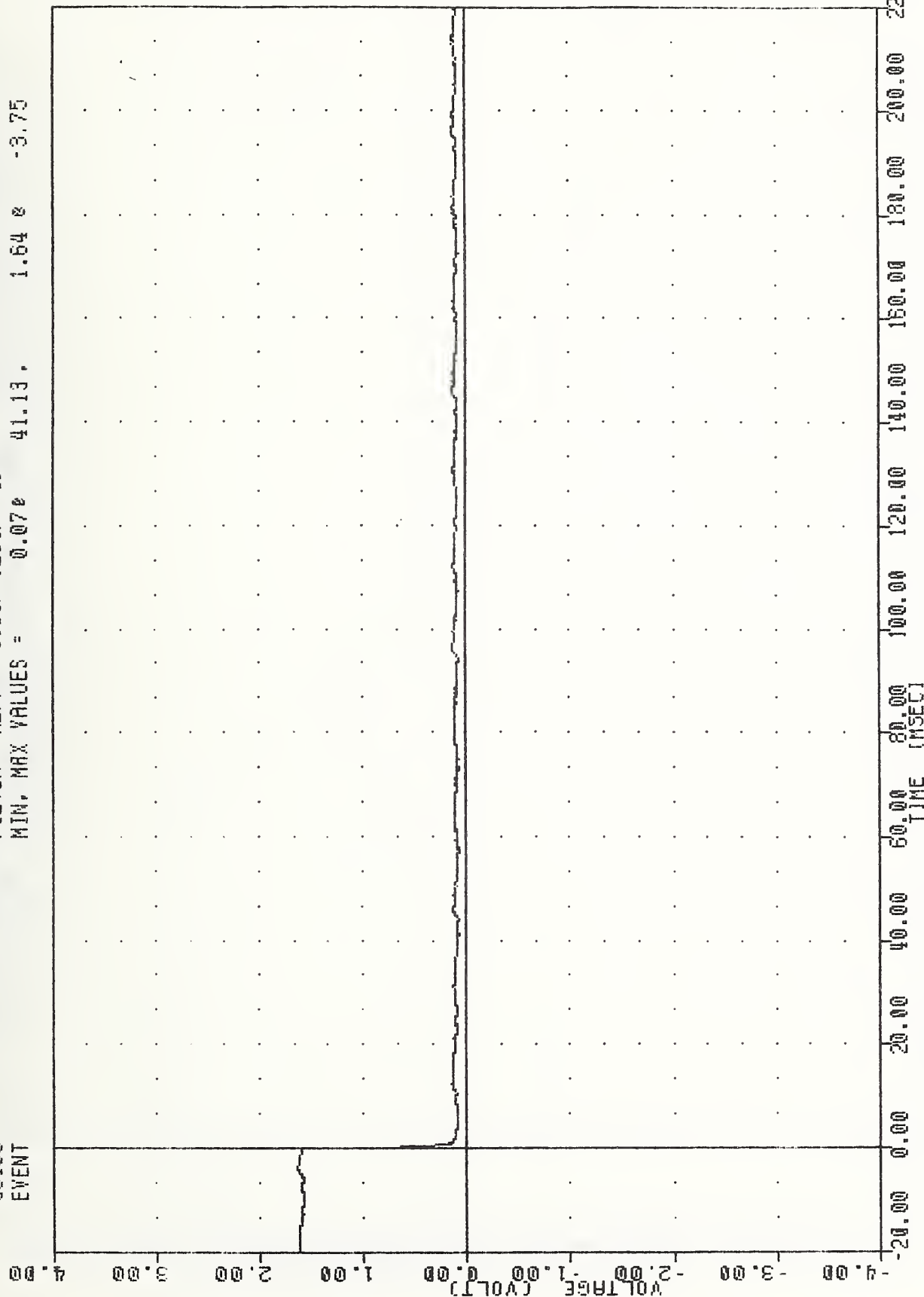
Enter channel name -> ^Z
Enter input filespec -> ^Z
\$

WRTC
 BREED AIRBAG SLED PROGRAM
 85136
 EVENT

PLOT DATE 16-MAY-85 16:11:57

FILTER = RLFF 1650/ 5214/ -40

MIN, MAX VALUES = 0.07e 41.13. 1.64e -3.75



-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 (MSEC)

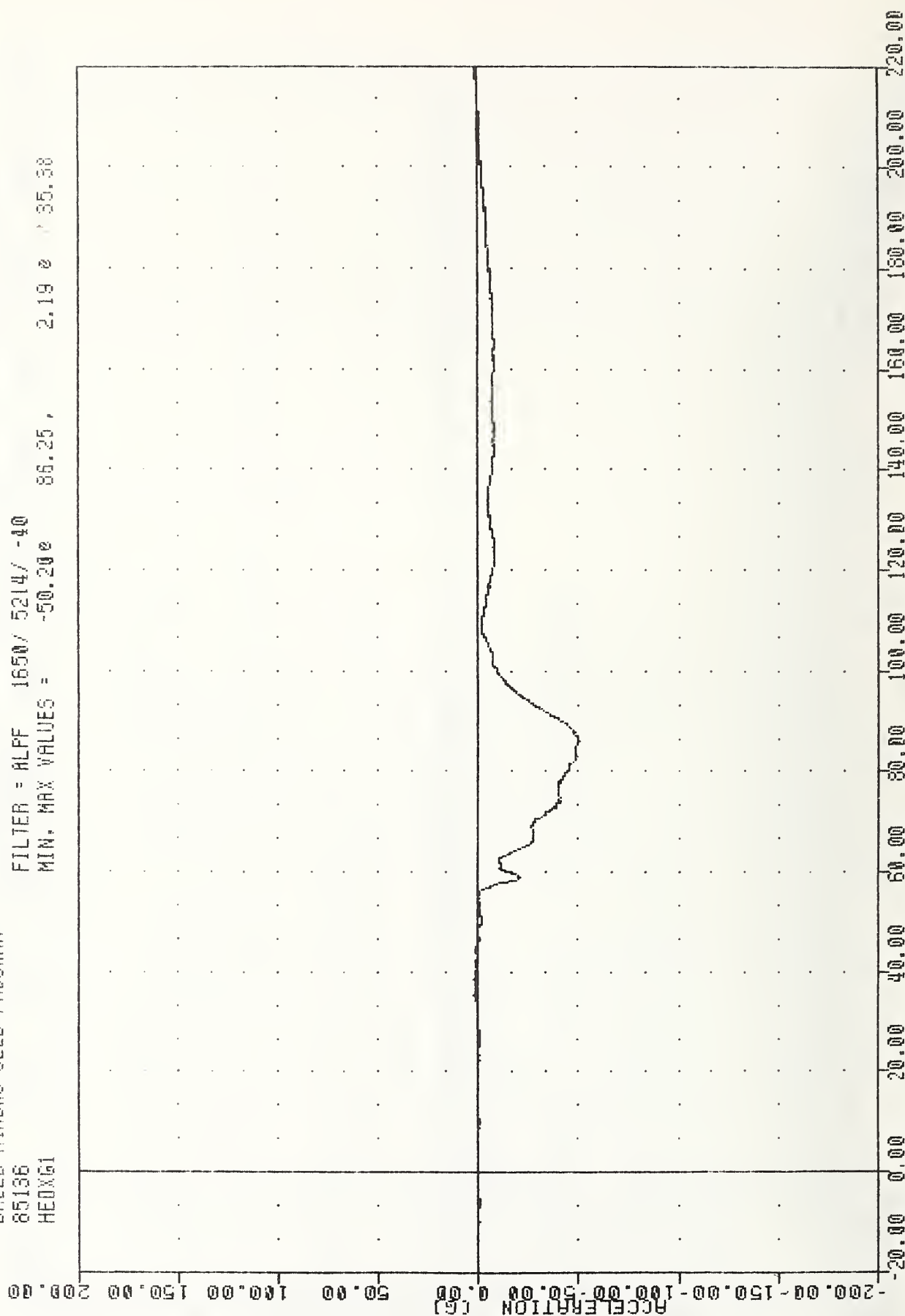
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 EVENT

VRTC , FD384-4-33
BREED AIRBAG SLED PROGRAM
85136
HE0XG1

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -50.200 86.25, 2.19 0 / 35.38



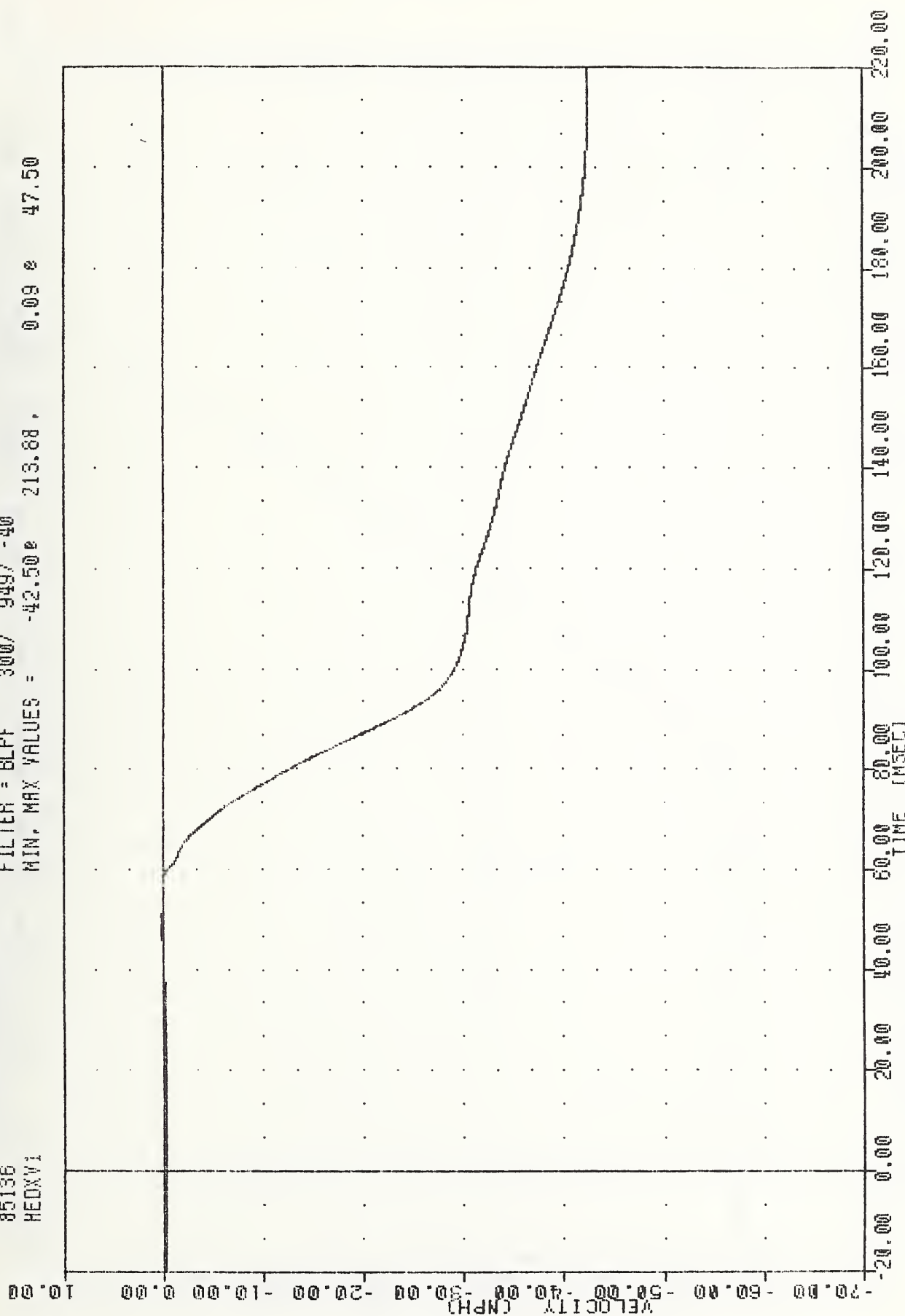
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 HEDXVI

PLOT DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -42.50 213.68 0.09 47.50

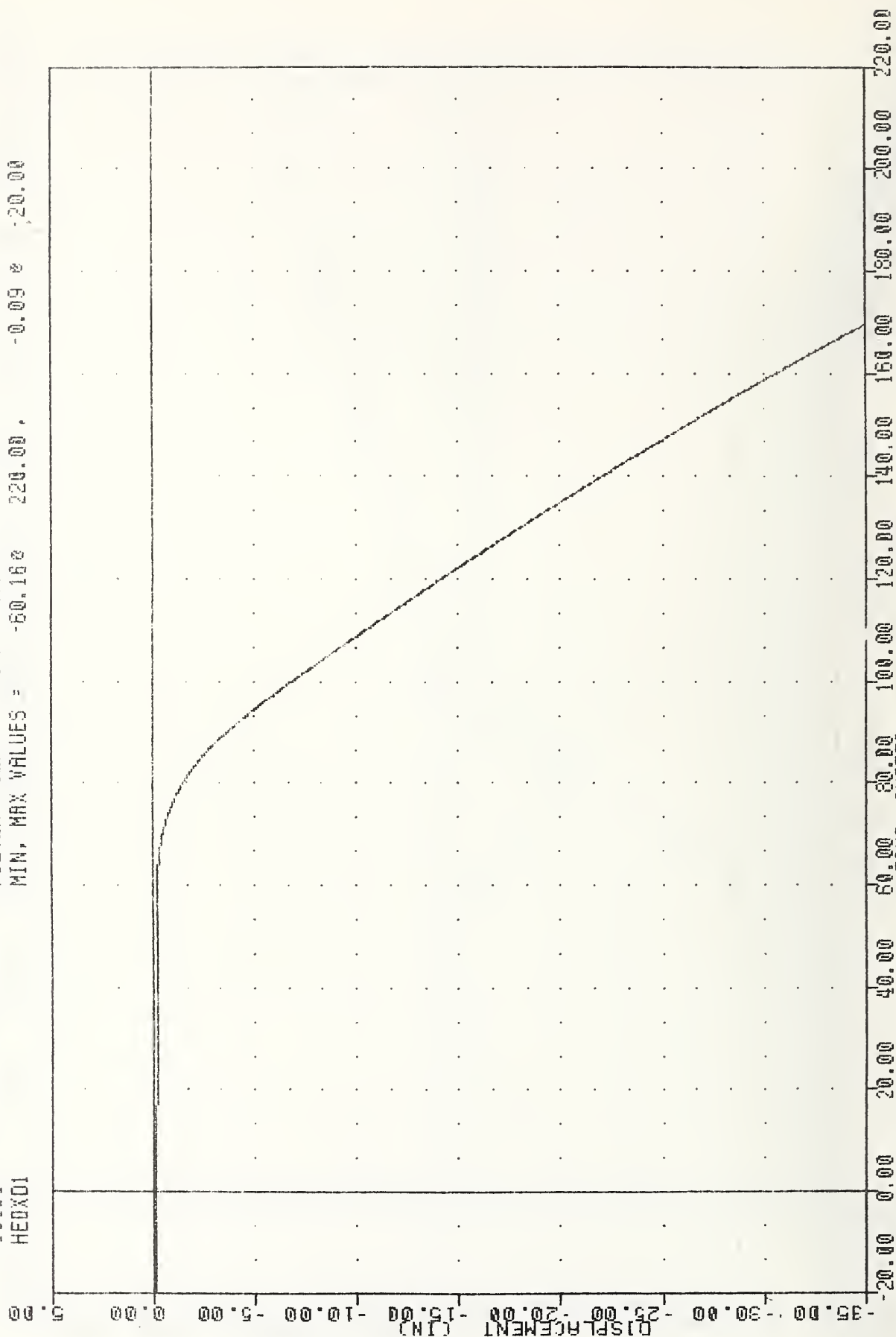


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

DELTA V USING HEDXG1

VRTC , RD384-4-33
 SPEED AIRBAG SLED PROGRAM
 85136
 HEDX01

PLOT DATE 18-MAY-85 16:13:40
 FILTER = 8LPF 300/ 949/ -40
 MIN, MAX VALUES = -60.160 220.00, -0.09 20.00



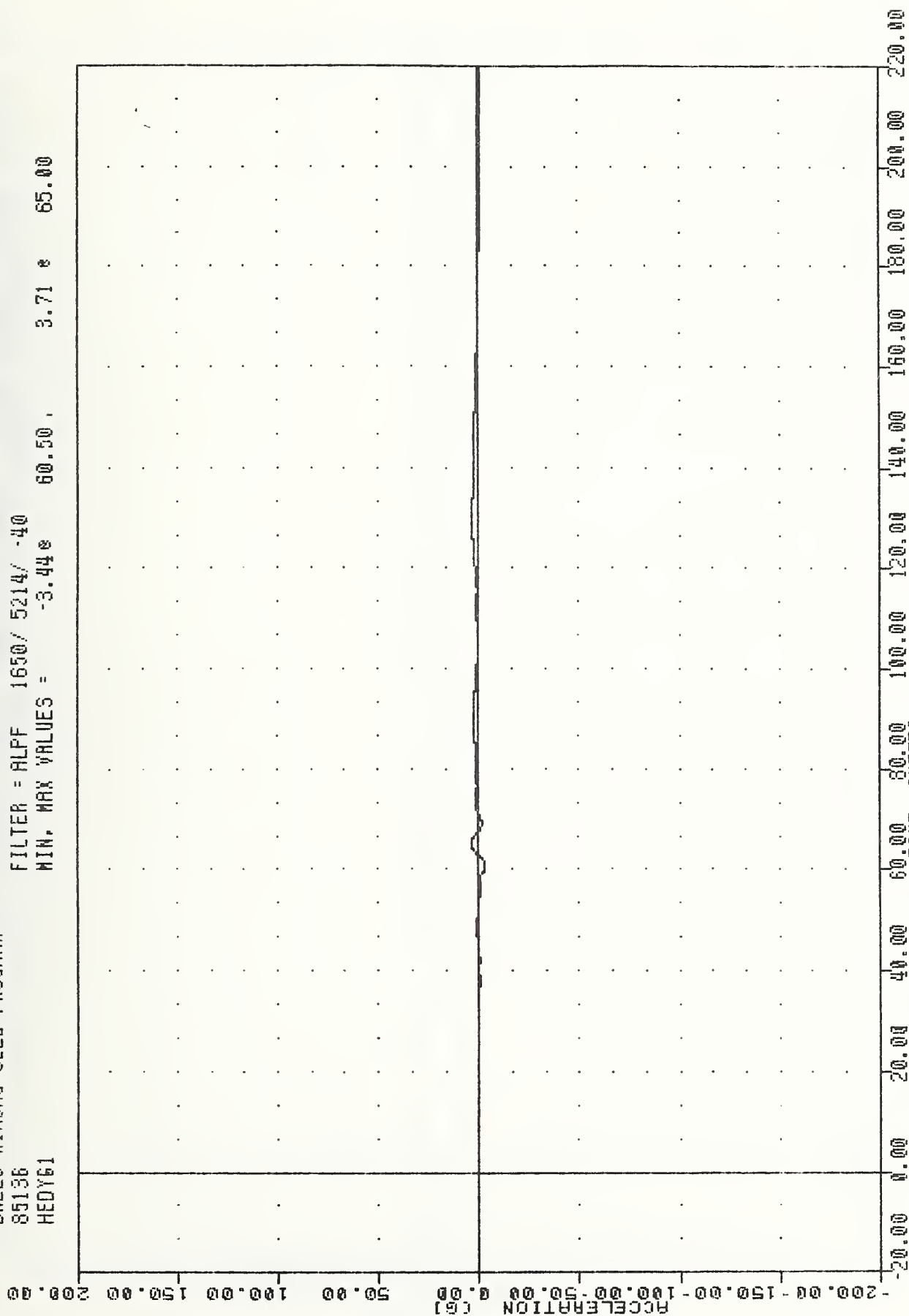
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING HEDXVI

WATC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 HEDY61

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.44e 60.50 , 3.71 e 65.00



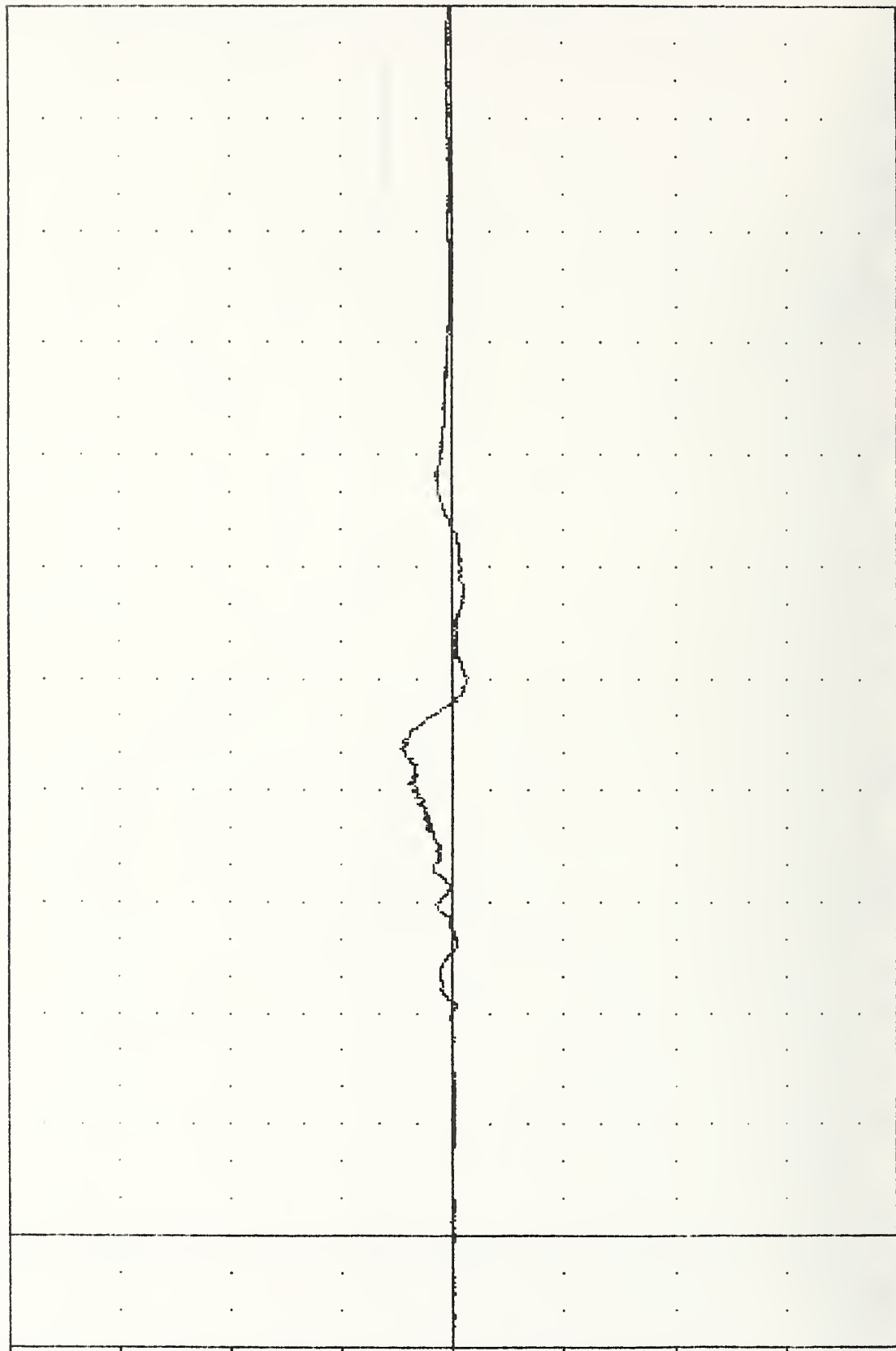
VRTC , R0384-4-33
BREED AIRBAG SLED PROGRAM
85136
HE0261

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1850/ 5214/ -40

MIN. MAX VALUES = -6.64e 100.13, 23.11 e '87.50

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

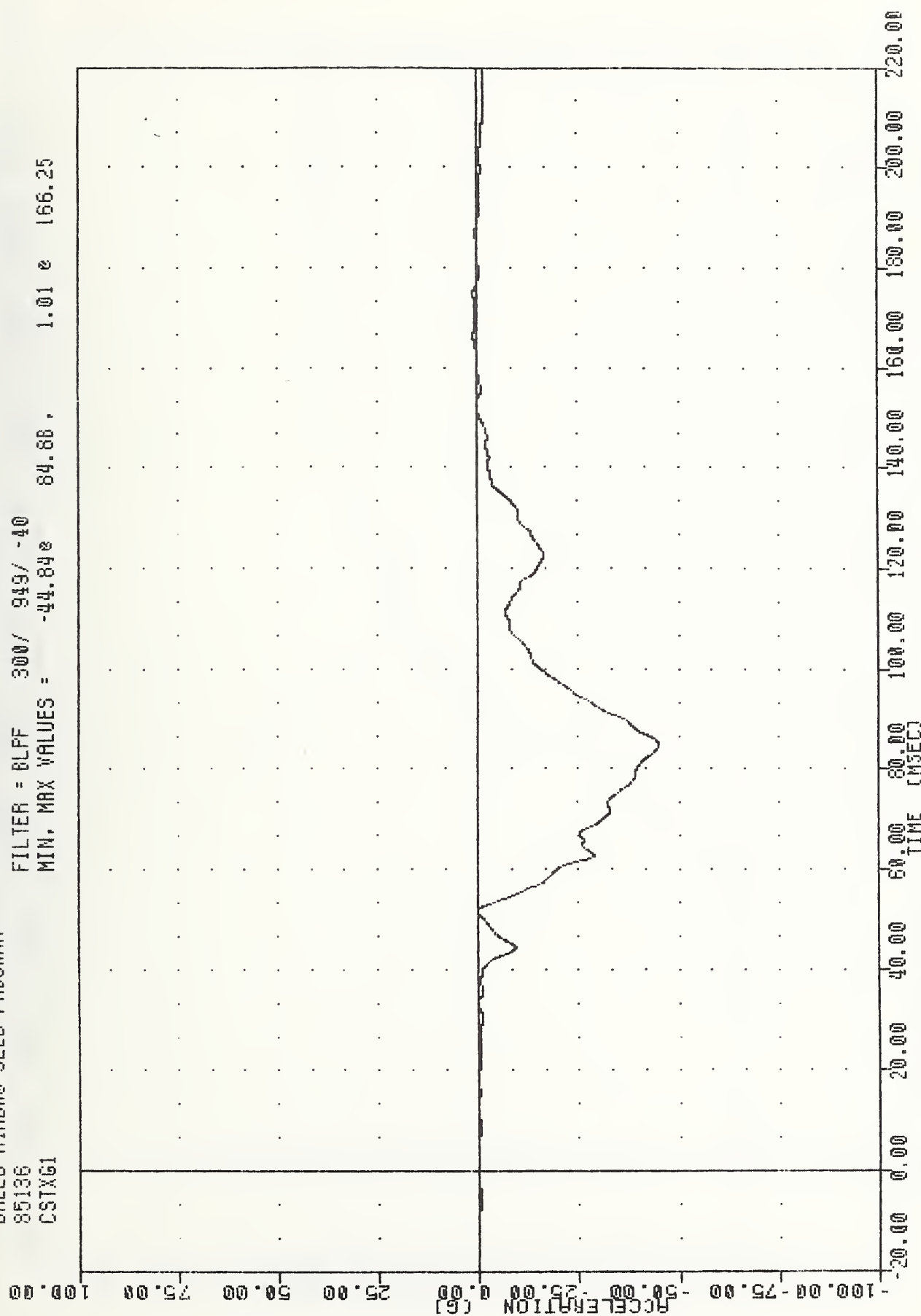
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

WRTC , RD304-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 CSTXG1

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -44.84g 84.88 , 1.01 g 166.25



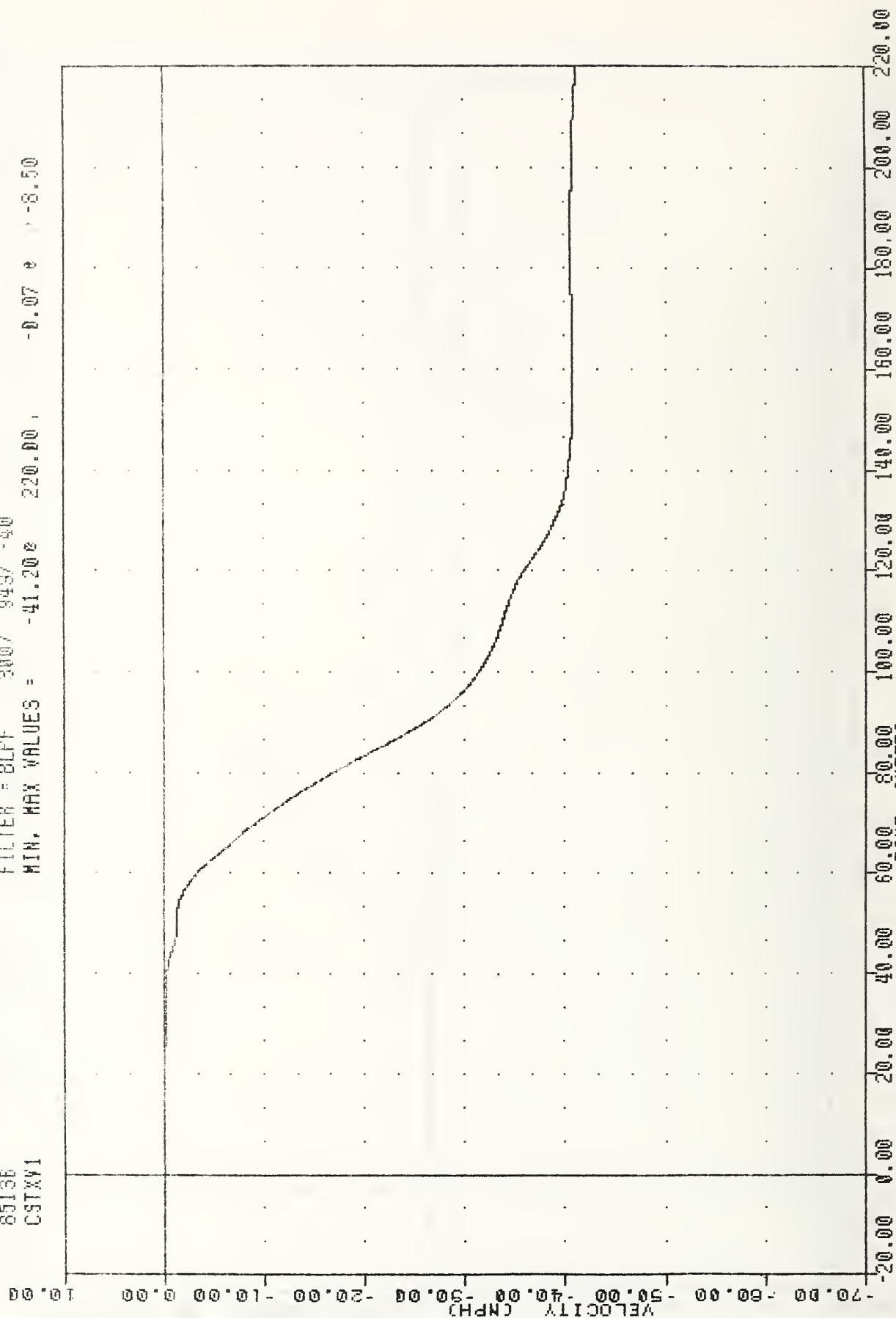
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

WATC - 20064-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 CSTXV1

LOT DATE 16-MPT-00 15:30:40

FILTER = 8LFF 300 / 949 / -40

MIN. MAX VALUES = -41.20 220.00 -0.07 8.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

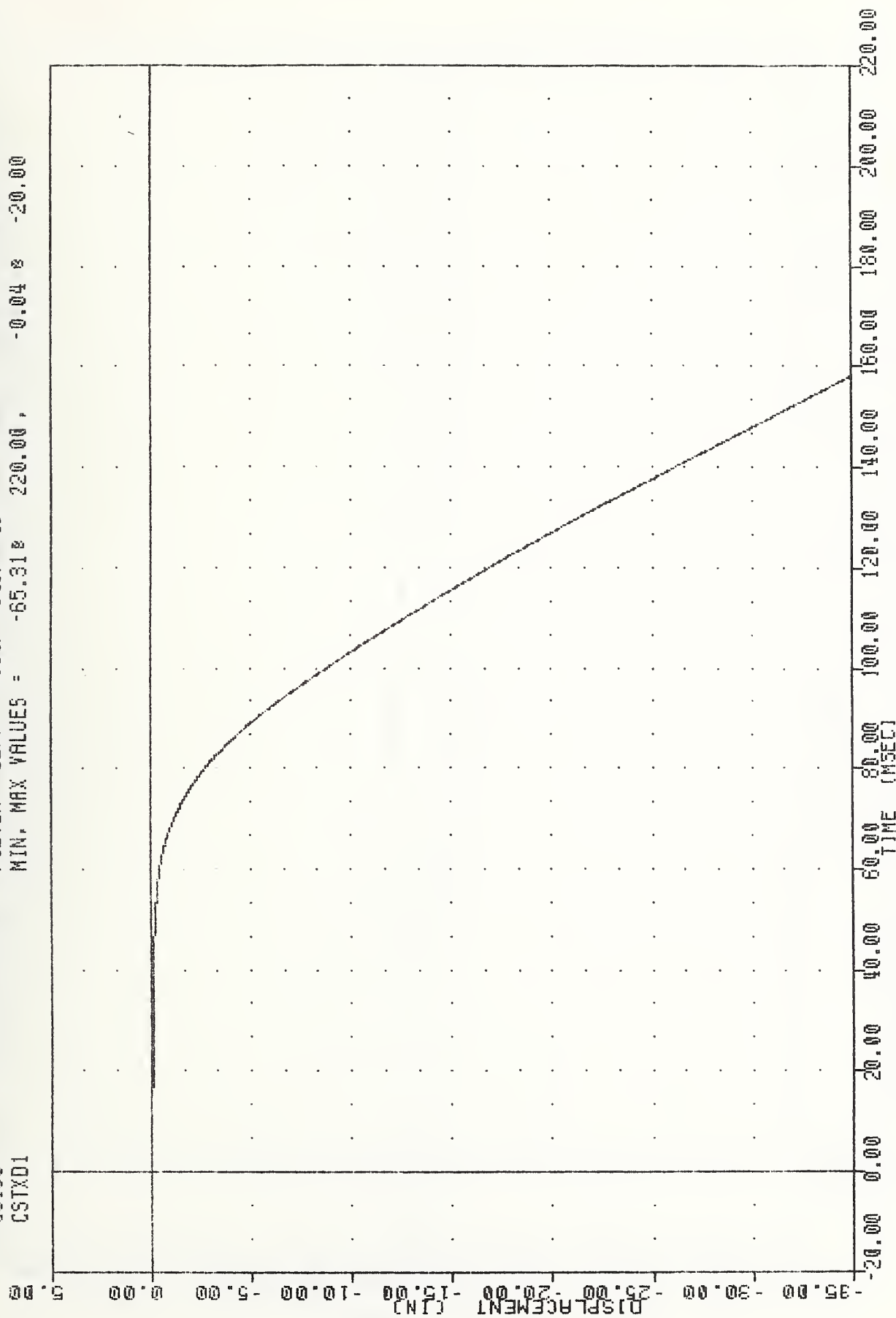
DELTA V USING CSTXG1

VRIC , R0384-4-30
BREED AIRBAG SLED PROGRAM
85136
CSTXD1

PLOT DATE 18-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -65.31e 220.00, -0.04 e -20.00



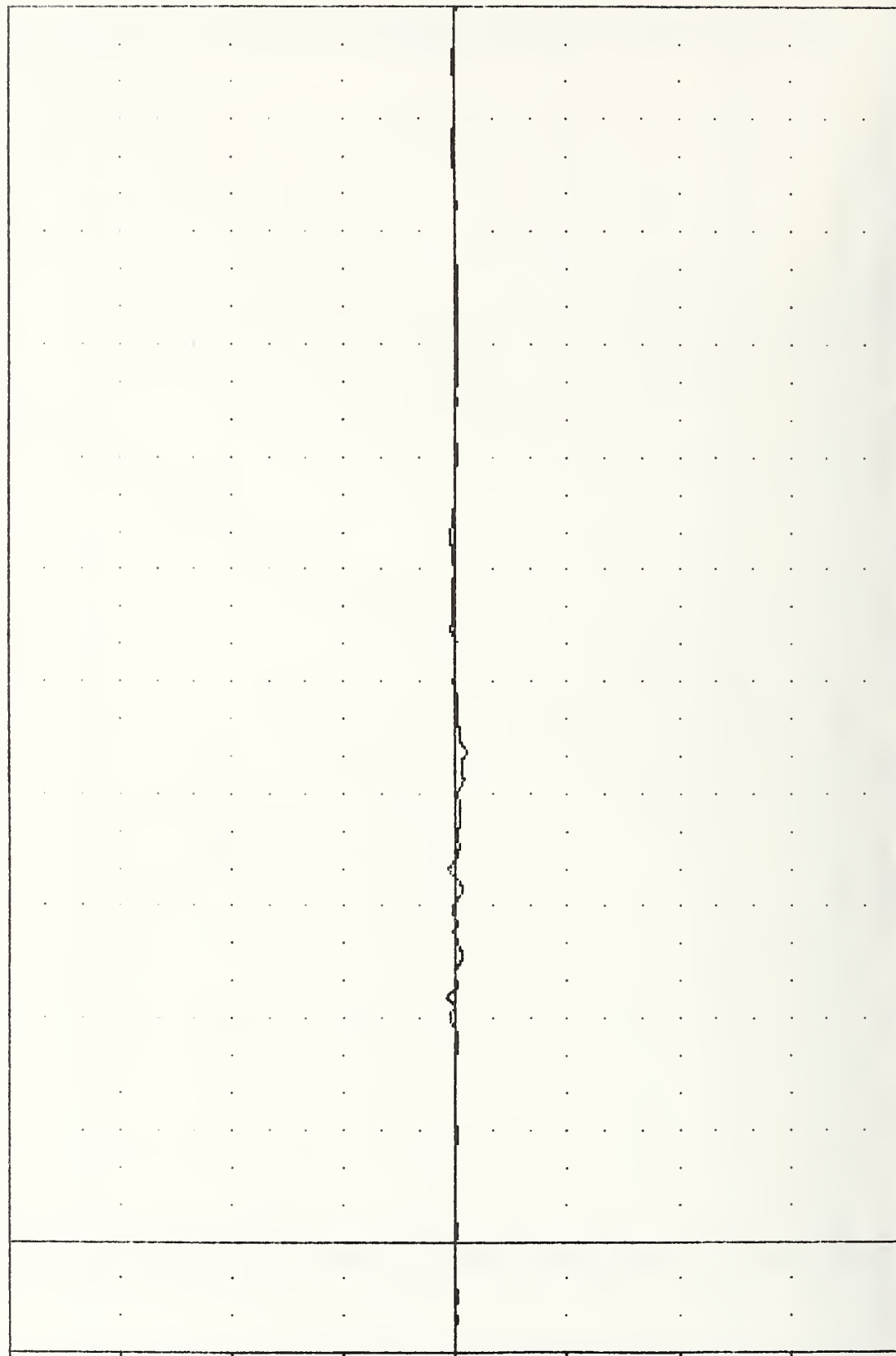
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VATIC , RD384-4-33
 BREED HIR384 SLED PROGRAM
 85136
 CSTY61

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -2.520 87.25, 2.00 e, 43.75

-100.00 -75.00 -50.00 -25.00 0.00 25.00 50.00 75.00 100.00
 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
 DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0364-4-33
BREED AIRBAG SLED PROGRAM
85136
CSTZG1

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.428 91.75, 4.30 86.25

100.00

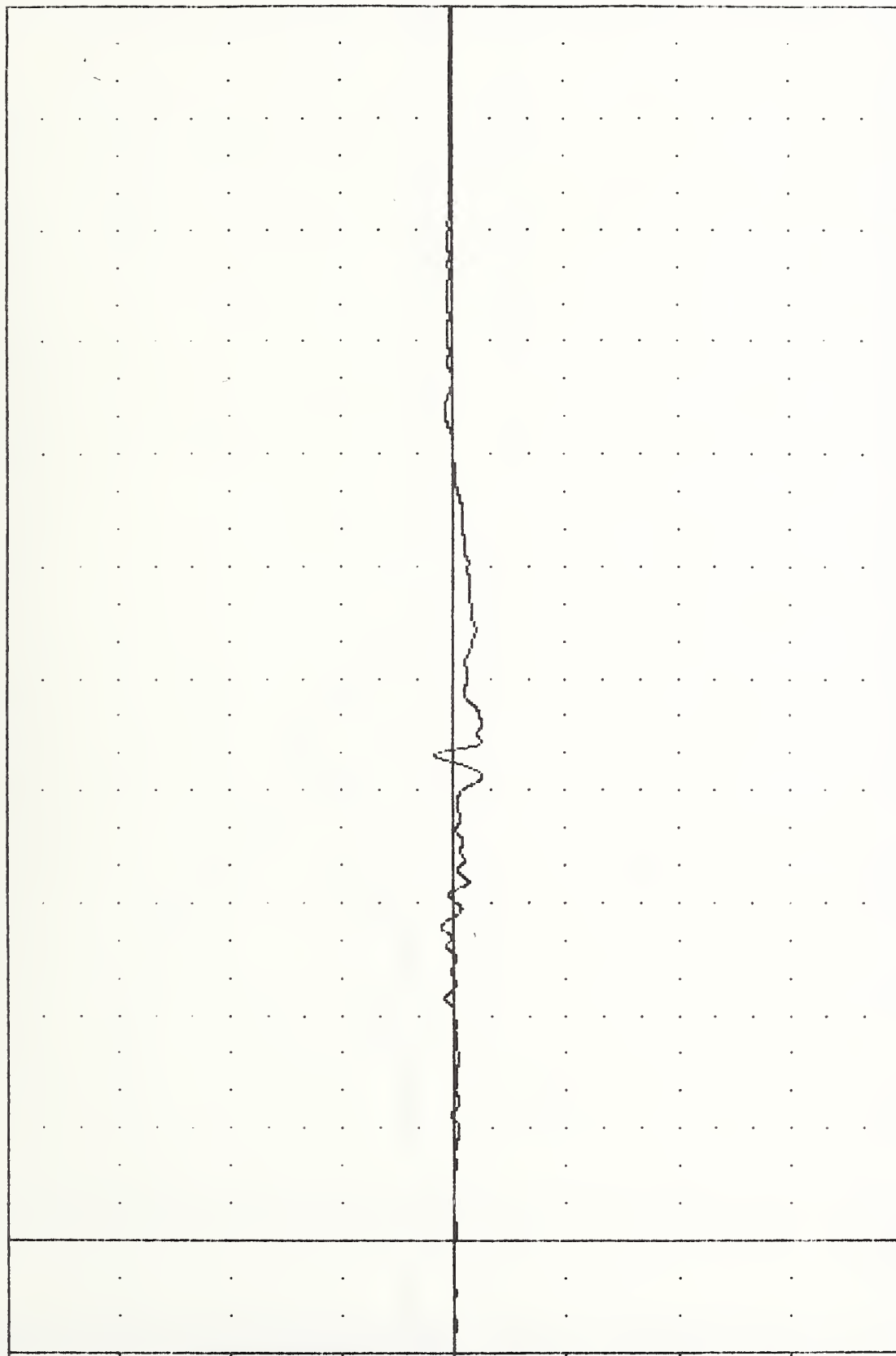
75.00

50.00

25.00

ACCELERATION [G]

187



-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 - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

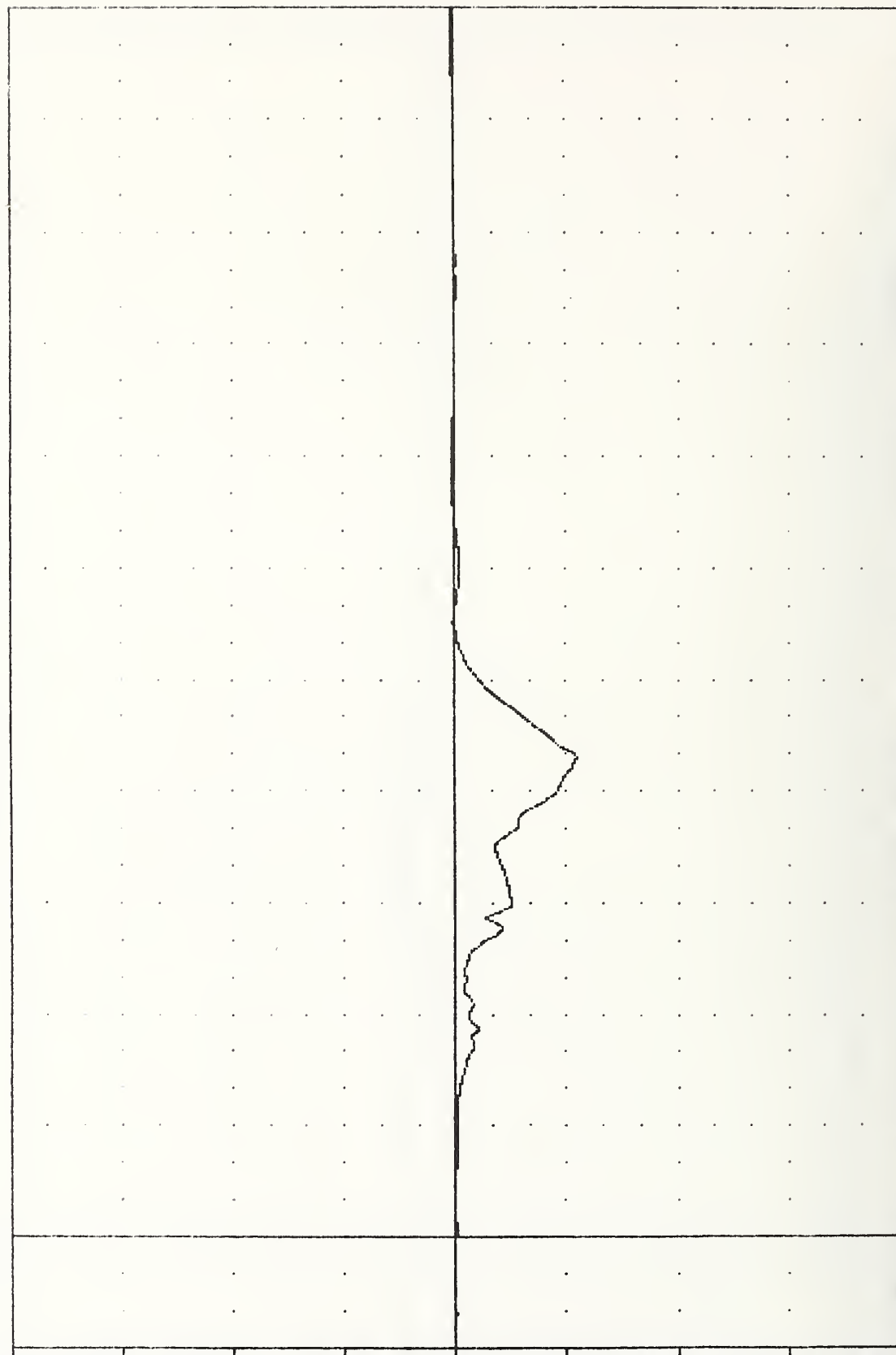
VRTC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 95136
 PEVXG1

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -54.47% 86.13, 1.31 g 136.00

ACCELERATION (G)

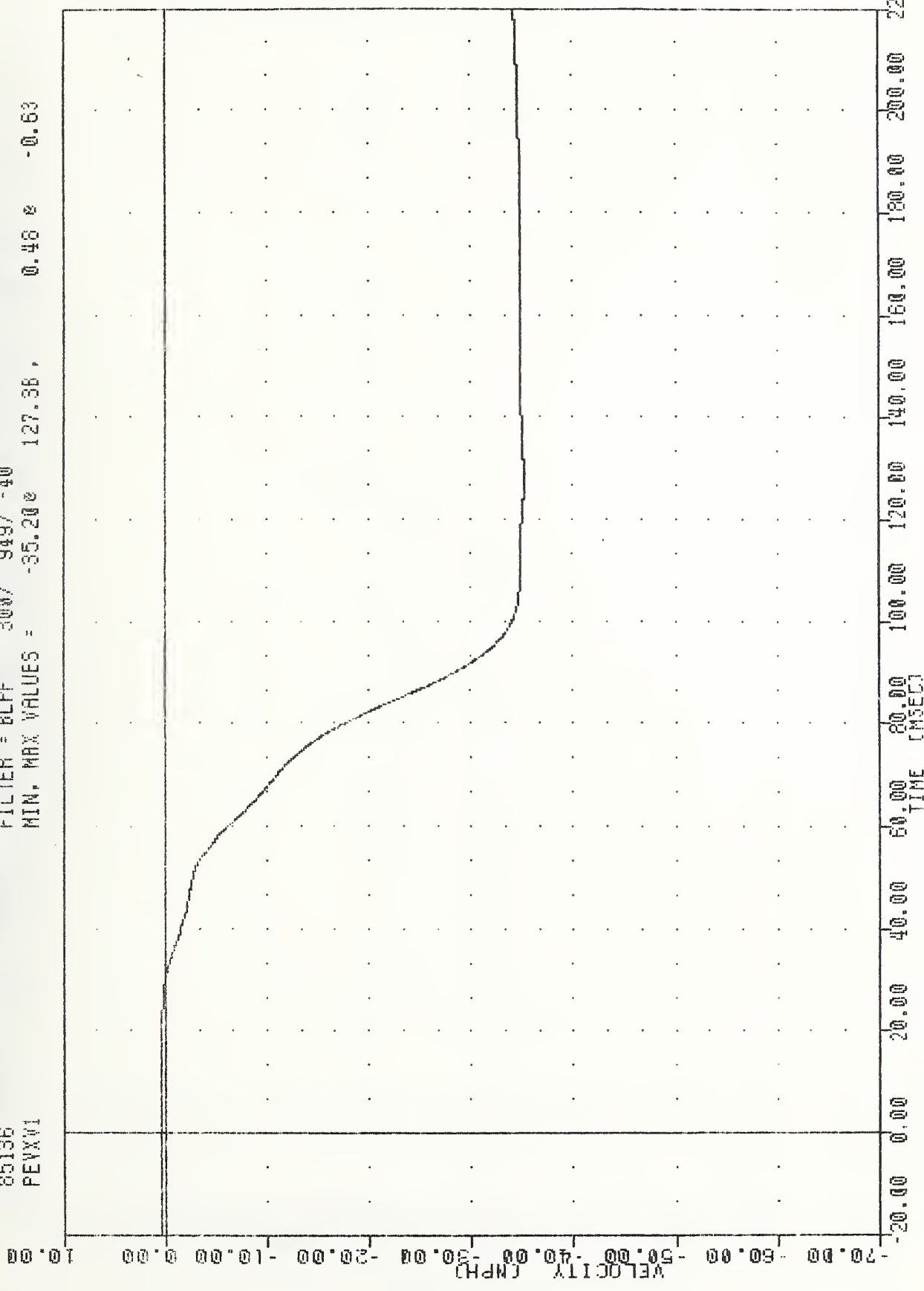


TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

DRIVER PELVIS ACCELERATION X AXIS

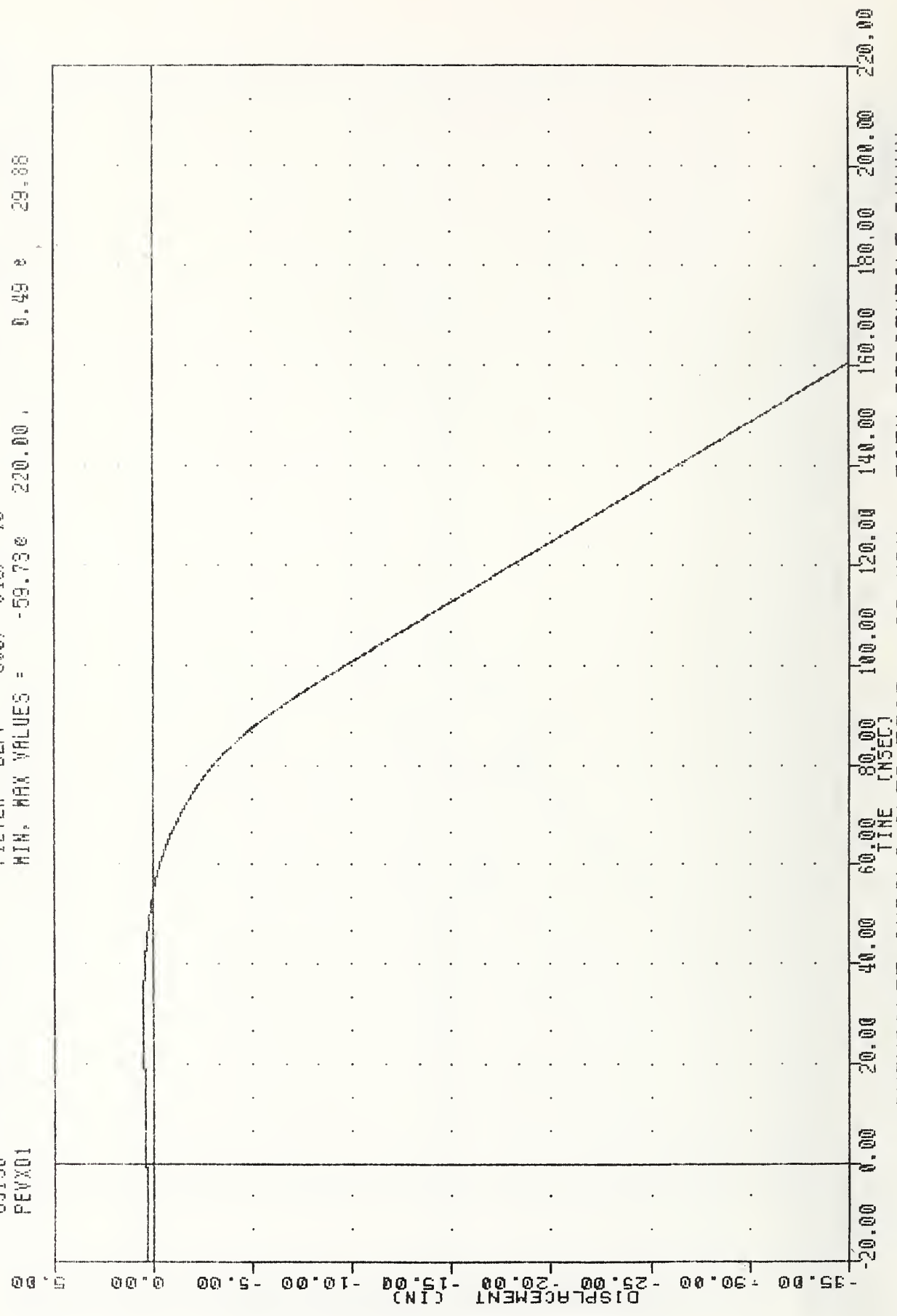
VRIC , R0384-4-33 PLOT DATE 10-PA-85 16:13:40
 BREED AIRBAG SLED PROGRAM
 85136
 PEVXV1
 FILTER = 8LFF 300/ 949/ -40
 MIN. MAX VALUES = -35.20 127.38 , 0.48 0 -0.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING PEVXV1

VRTC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 PEVX01

PLOT DATE 16-MAY-85 16:13:40
 FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -59.730 220.00 , 0.49 29.88

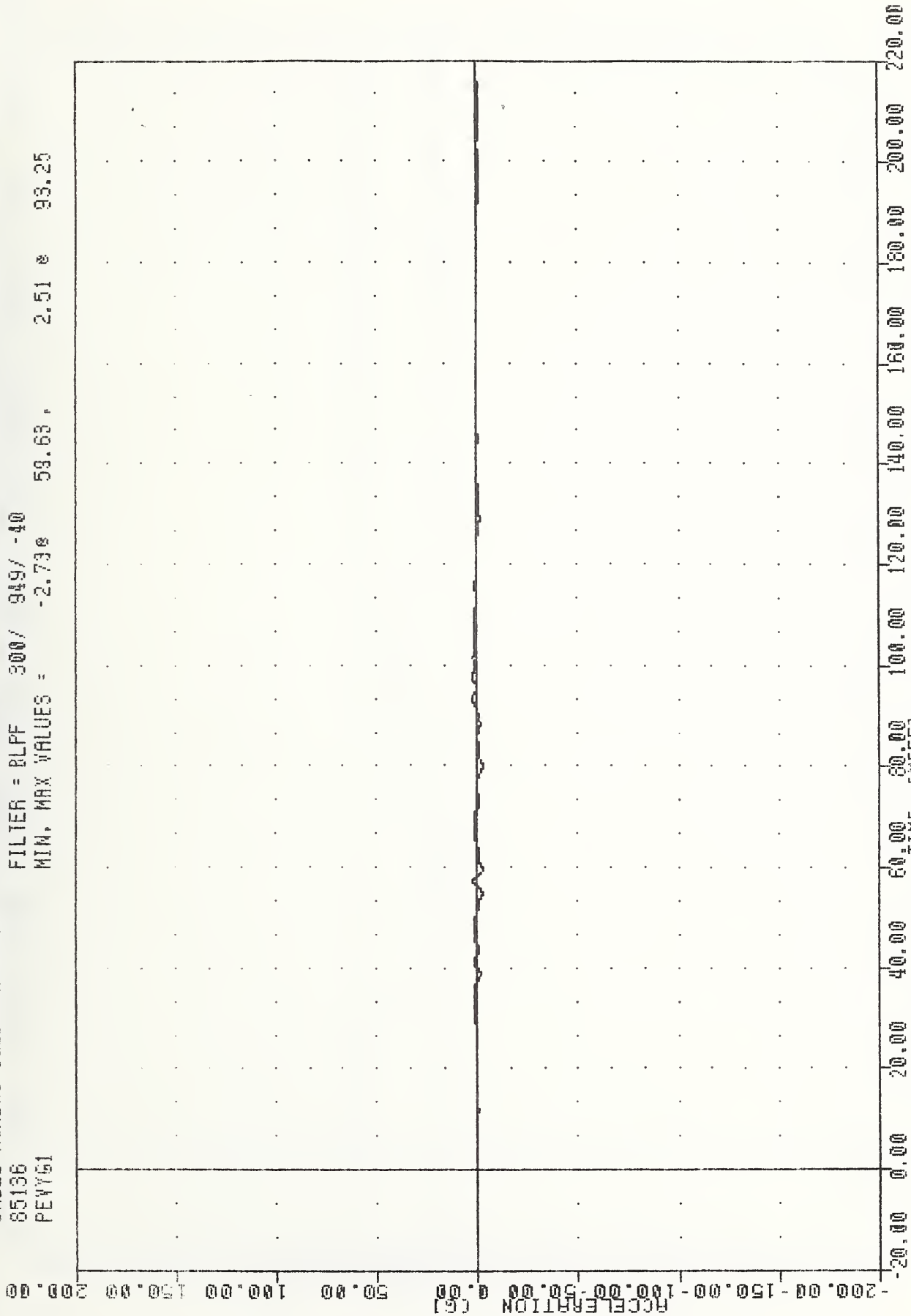


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING PEVXV1

VRTC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
PEVY51

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -2.738 59.63 , 2.51 e 93.25

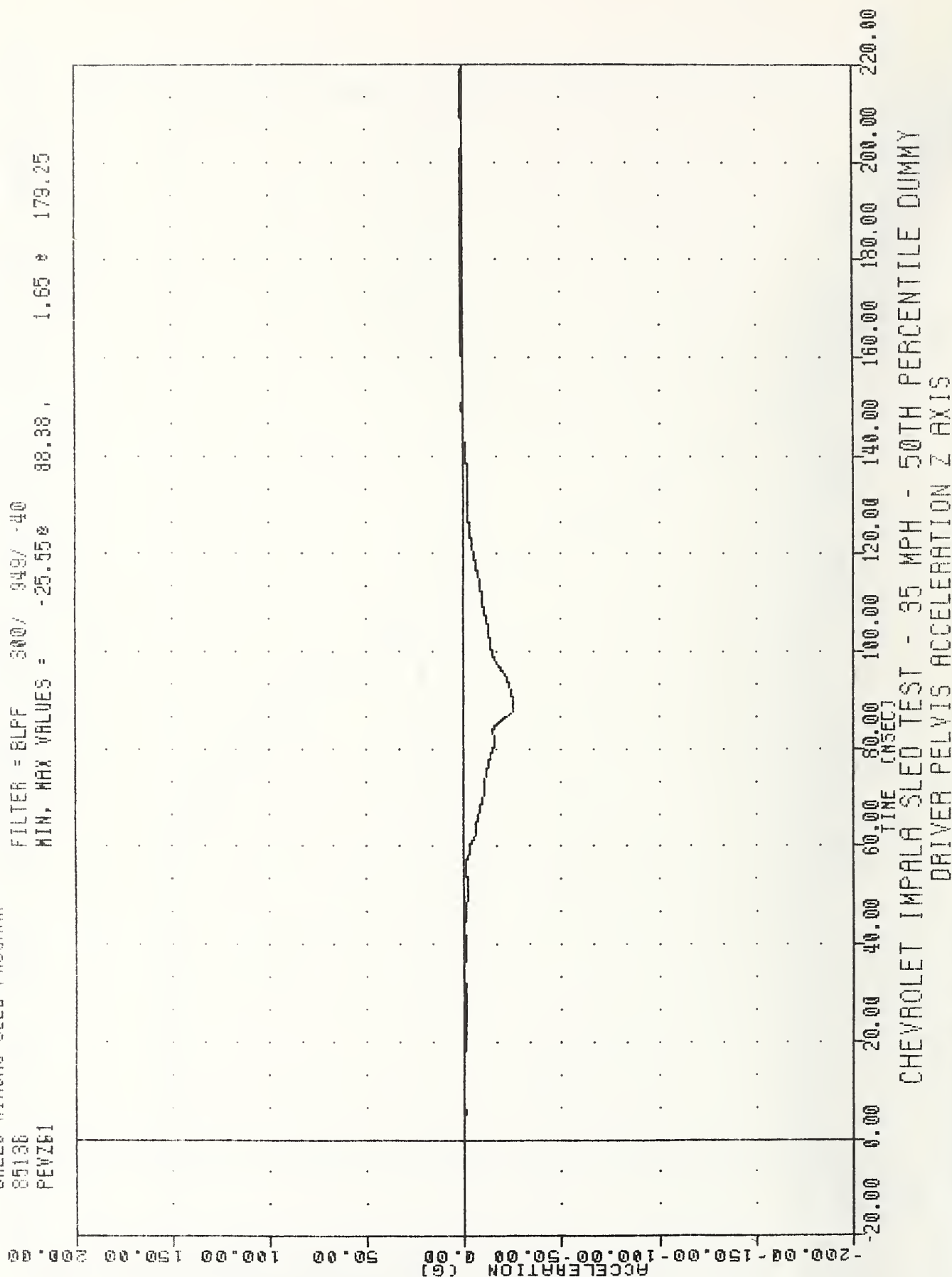


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VR1C RD384 4-33
 BREED AIRBAG SLED PROGRAM
 85136
 PEVZ61

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -25.550 88.38, 1.65 179.25

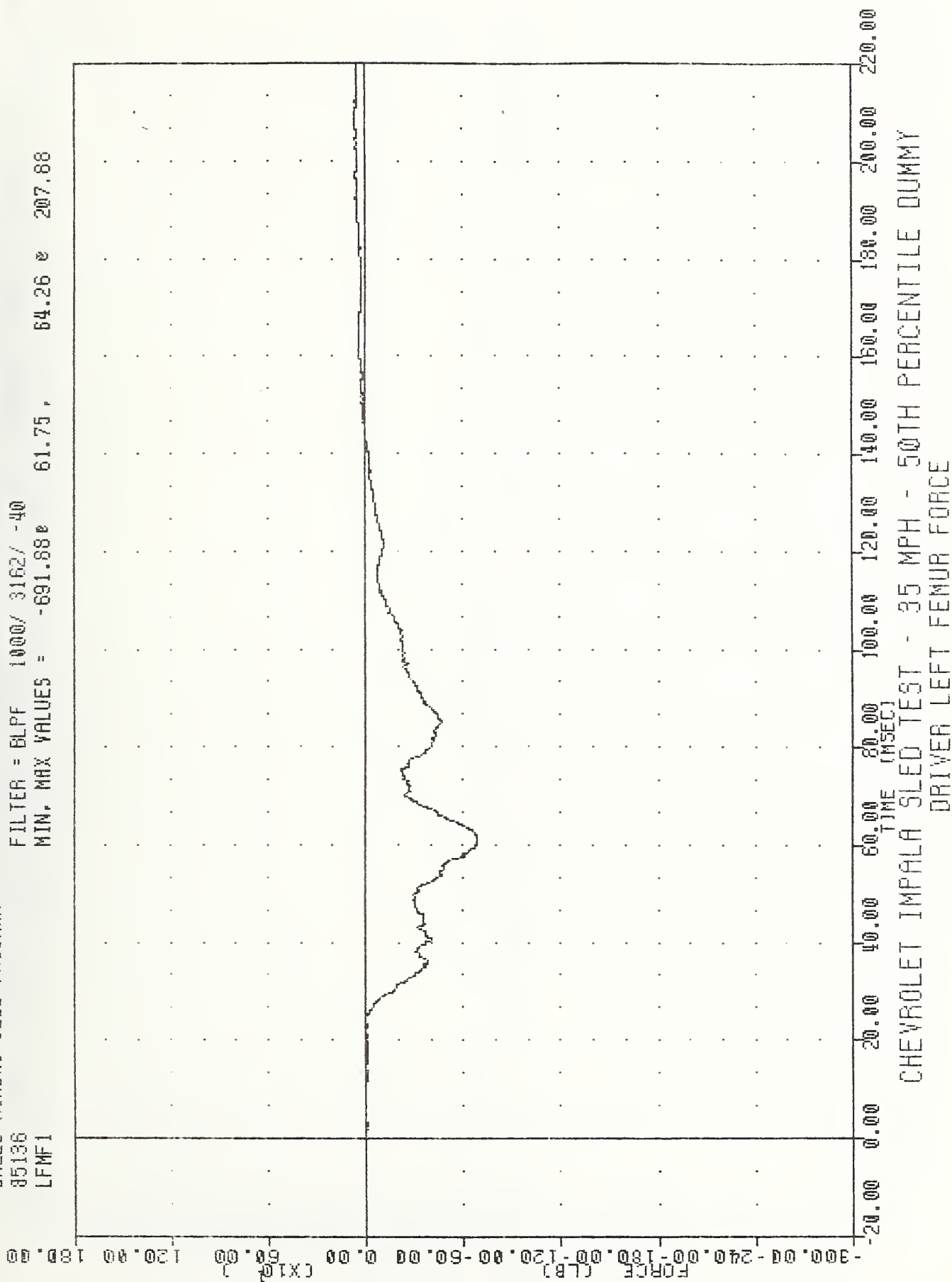


VRIC , R0304-4-33
BREED AIRBAG SLED PROGRAM
85136
LFMF1

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -691.88 61.75, 64.26 207.88

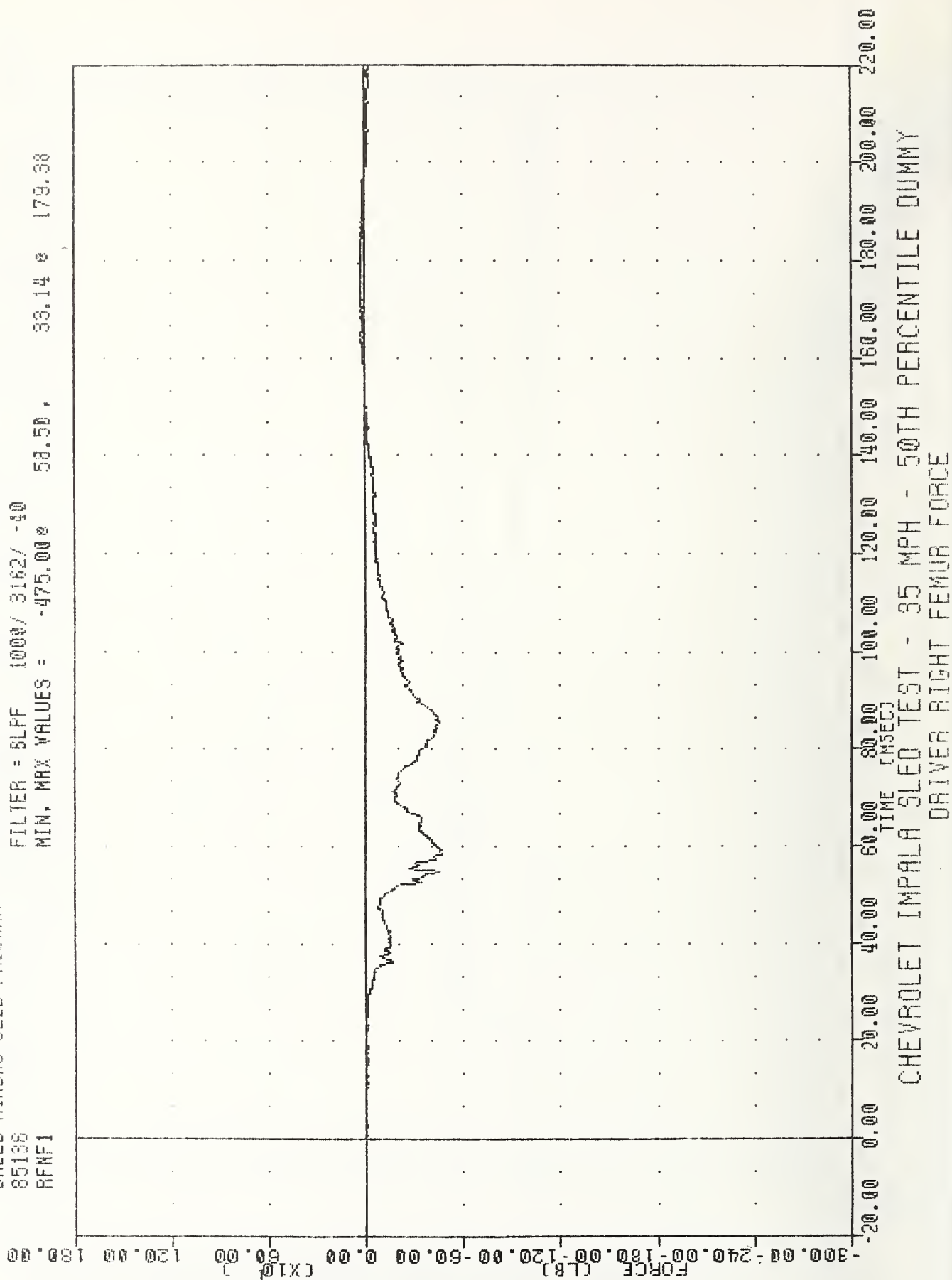


VRIC . 80384-4-85
 BREED AIRBAG SLED PROGRAM
 85136
 RFNF1

PLOT DATE 16-MAY-85 16:11:57

FILTER = 5LFF 1000/ 3162/ -40

MIN, MAX VALUES = -475.00 58.50, 33.14 179.38

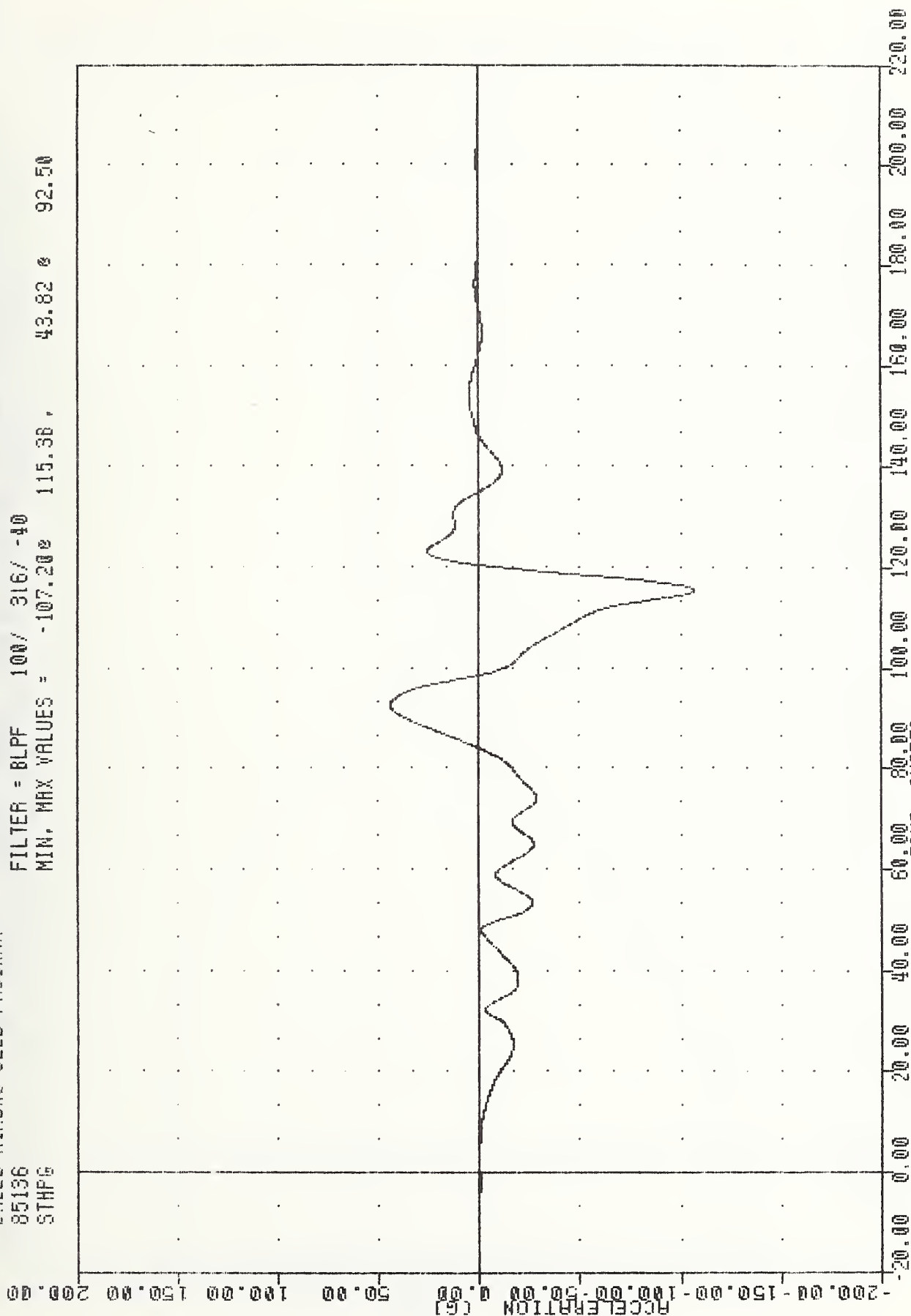


VRTC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
STHPG

PLOT DATE 15-MAY-85 16:11:57

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -107.20% 115.36 , 43.82 % 92.50



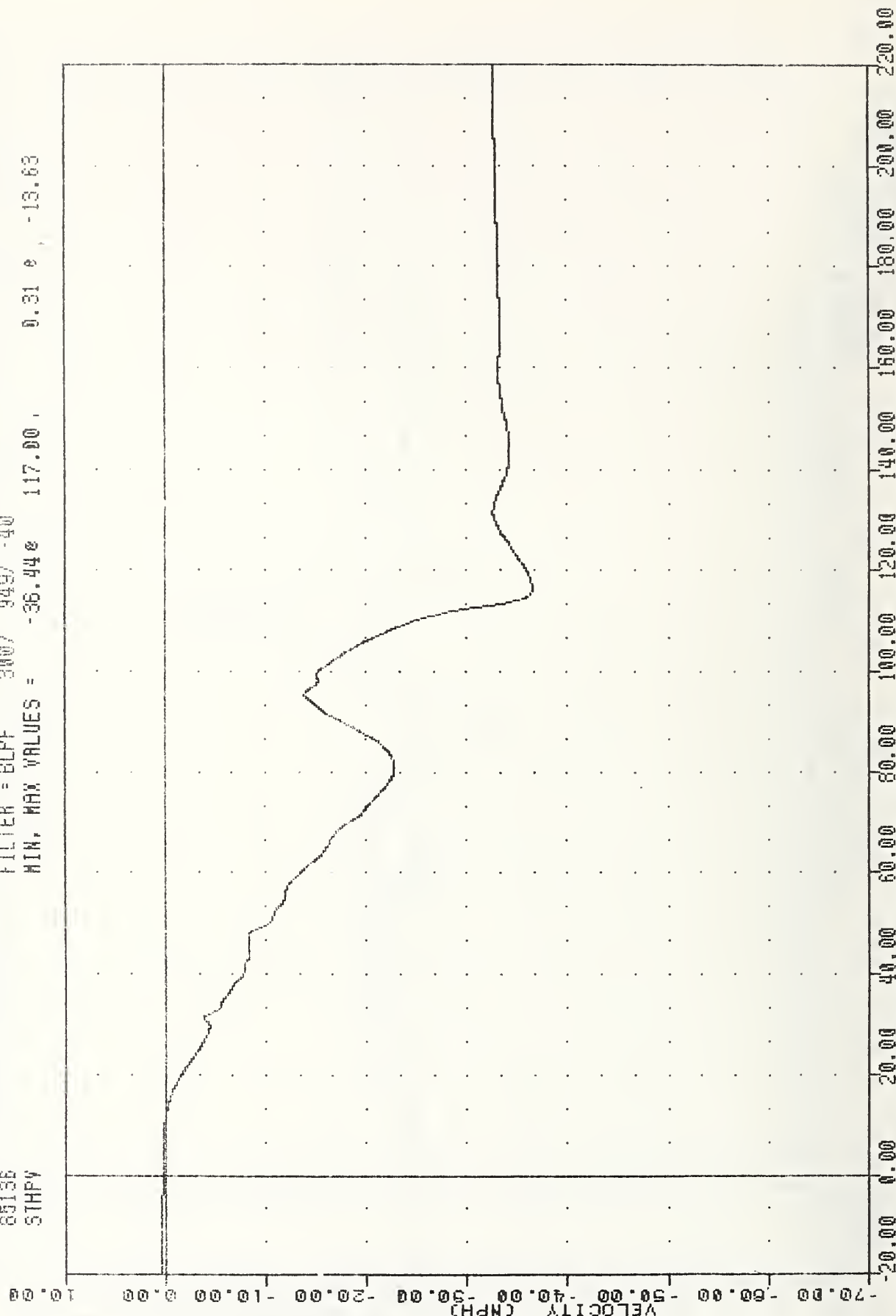
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VRTC
 BREED AIRSAG SLED PROGRAM
 85136
 STHPV

, RD184-4-83
 PLUT DATE 16-MAY-85 16:13:40

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -36.44 117.00 0.31 e , -13.63



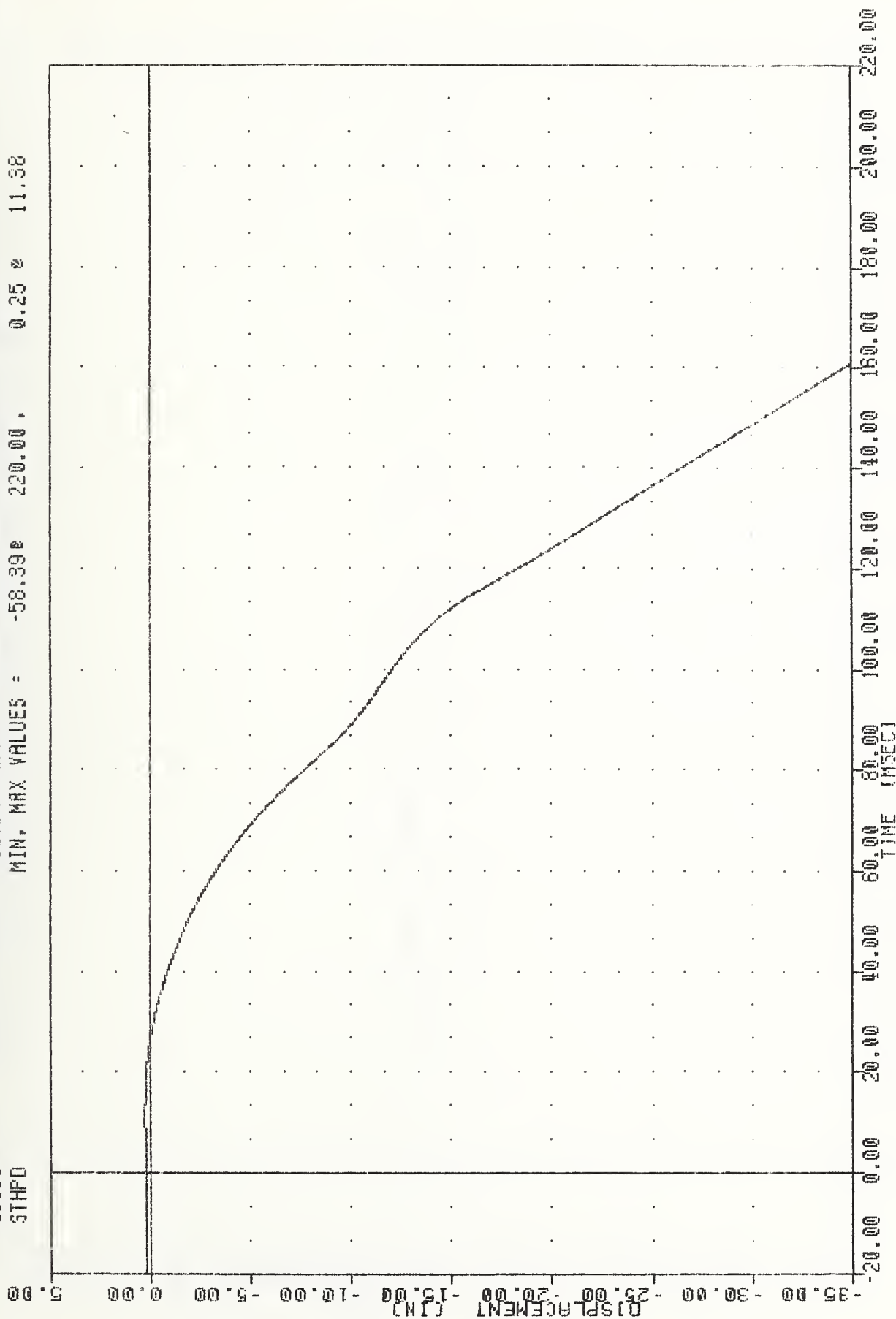
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING STHPG

VRIC
BREED AIRBAG SLED PROGRAM
85136
STHFD

PLOT DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -58.39e 220.00. 0.25 e 11.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHFD

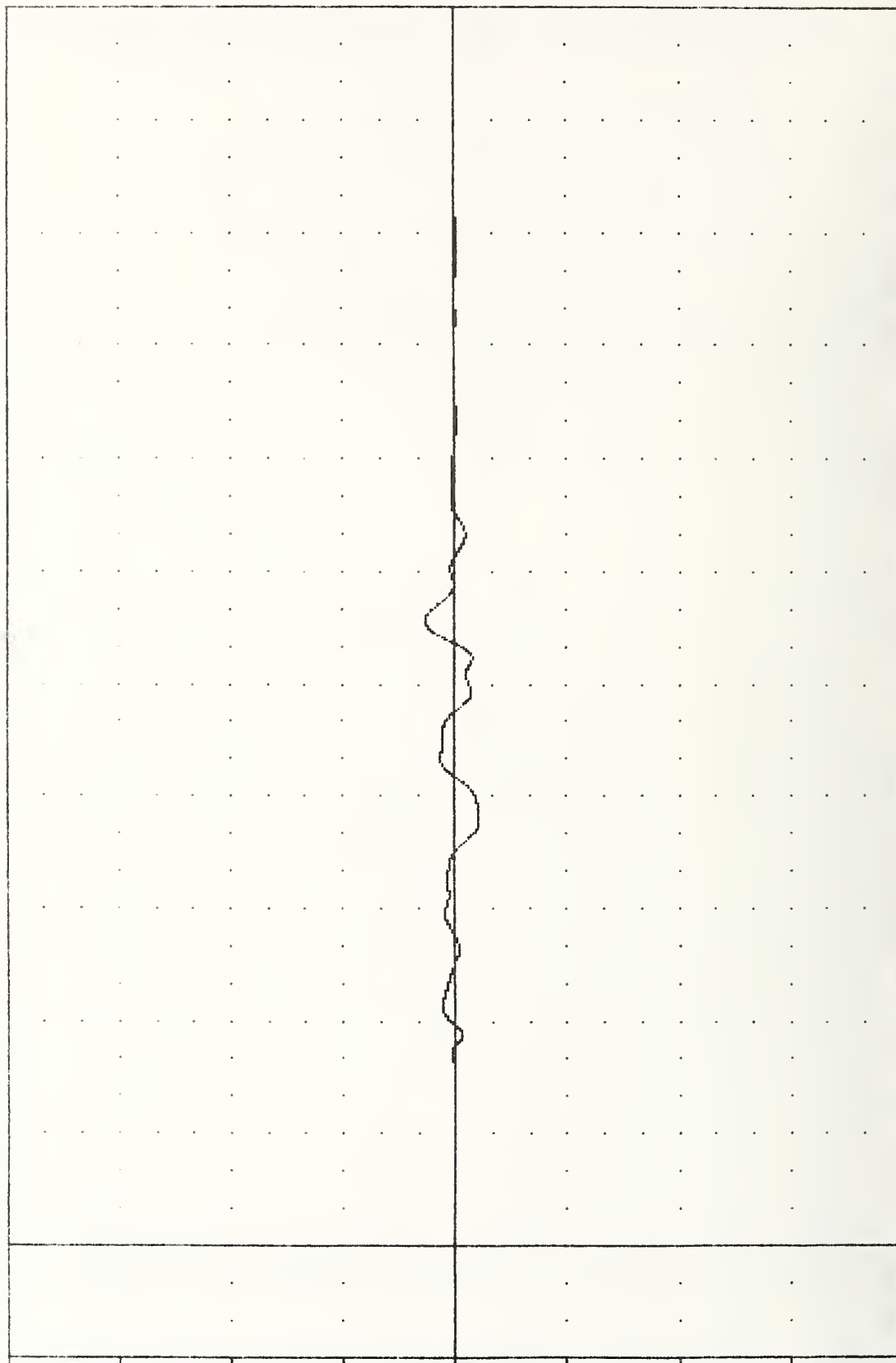
VRTC R0384-4-33
BREED AIRBAS SLED PROGRAM
85136
STHLG

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -10.65 75.63 13.30 111.25

ACCELERATION [G]



TIME (MSEC)

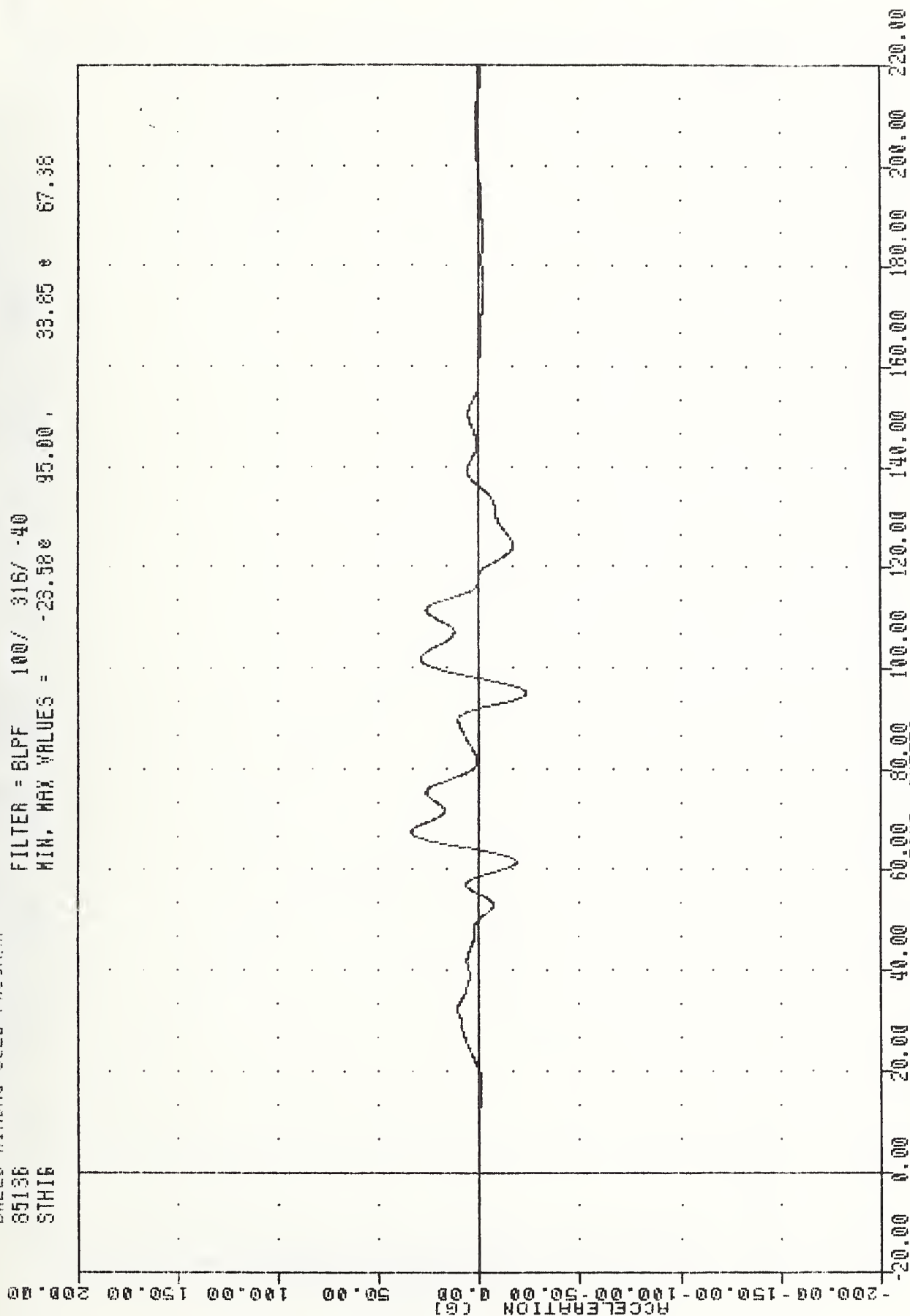
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

VRTC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 STHB

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -23.50 95.00 33.85 67.38



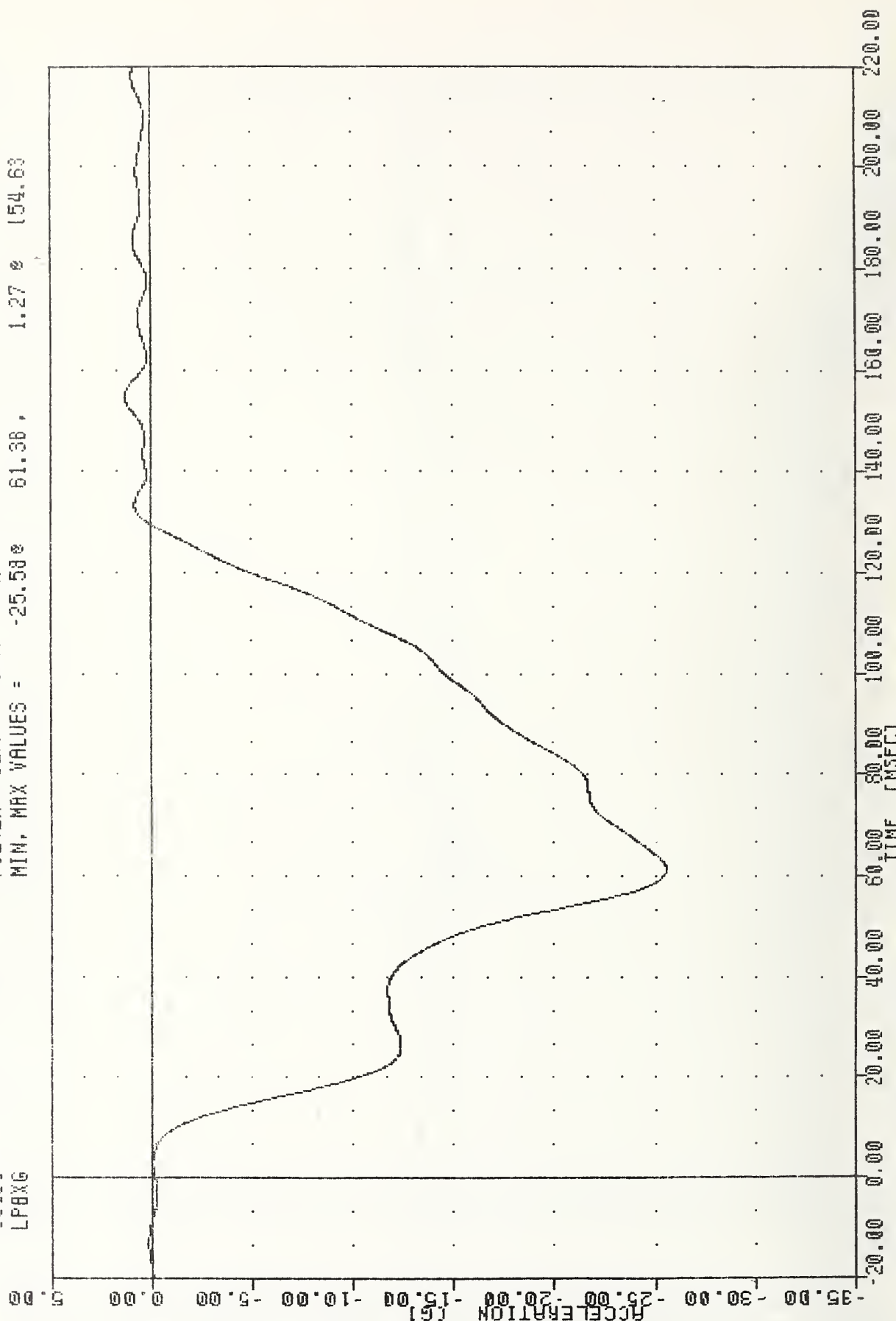
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION I-S AXIS

VRIC
BREED AIRBAG SLED PROGRAM
85136
LPBXG

PLOT DATE 18-MAY-85 16:11:57

FILTER = 8LPF 100/ 316/ -40

MIN, MAX VALUES = -25.58g 61.36, 1.27g (54.63)



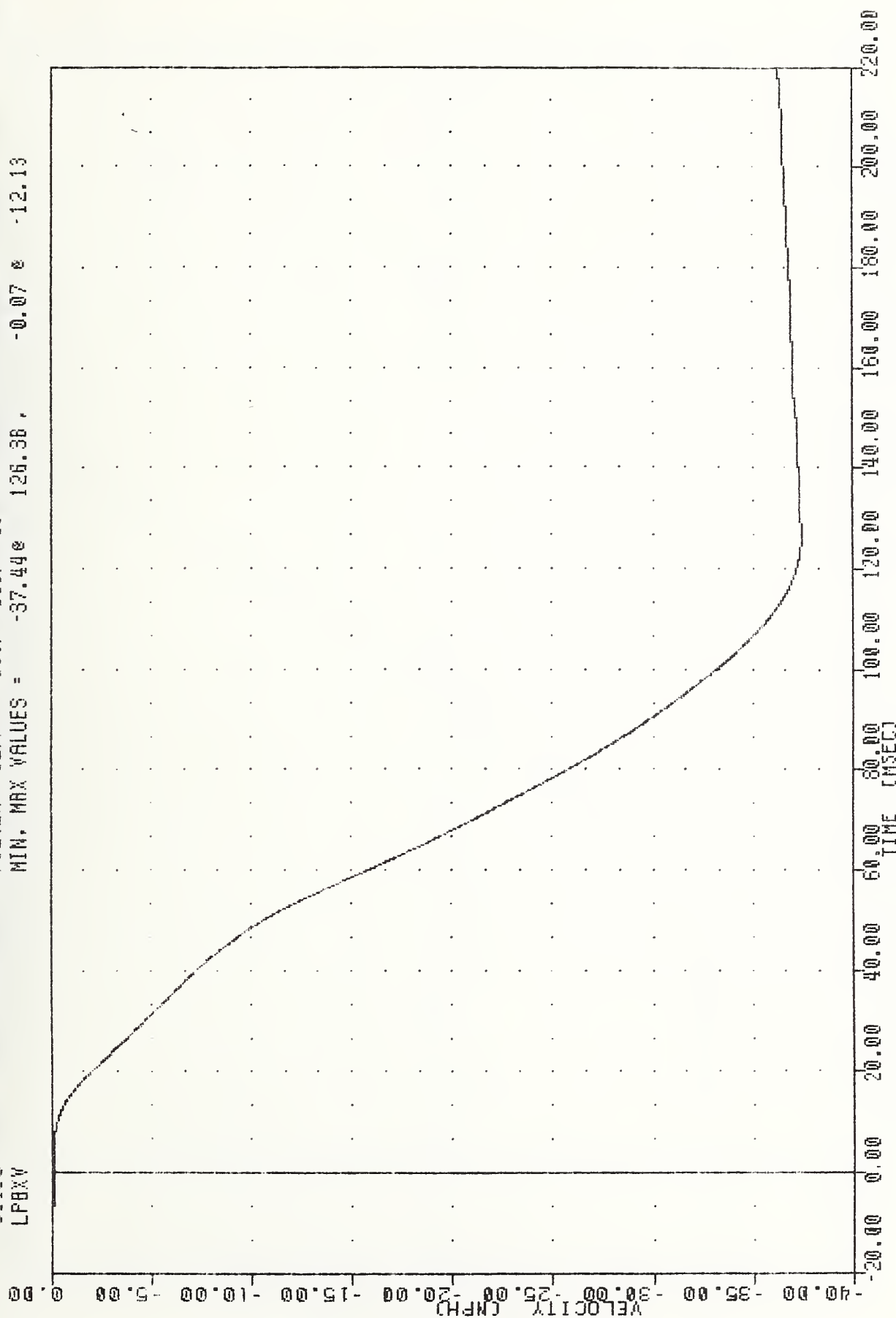
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
LPBXV

PLOT DATE 16-MAY-85 15:13:40

FILTER = 8LFF 300/ 949/ -40

MIN. MAX VALUES = -37.44e 126.38 , -0.07 e -12.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

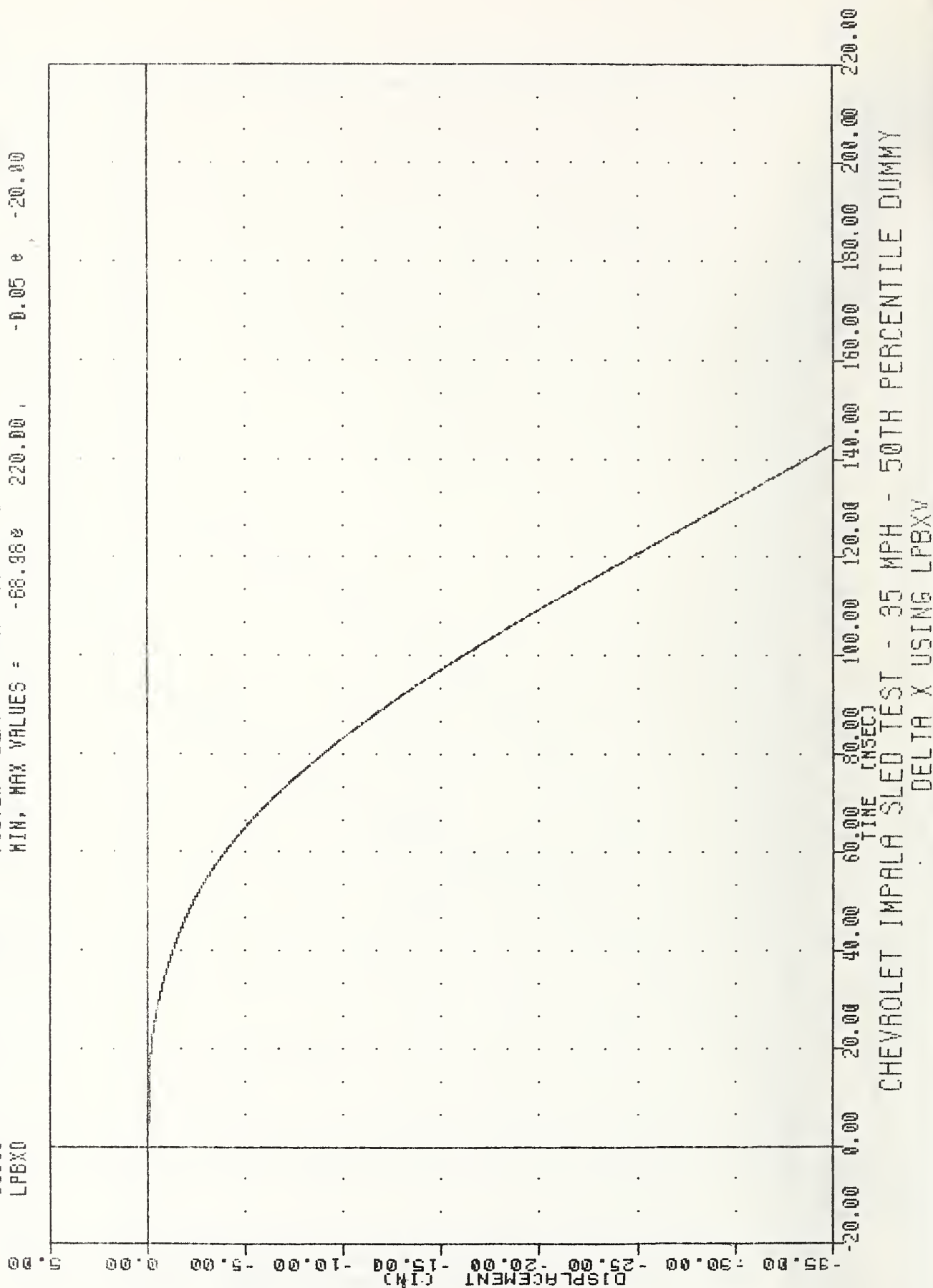
DELTA V USING LPBXG

WATC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
LPBX0

PLOT DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -68.980 220.00 , -0.05 e -20.00

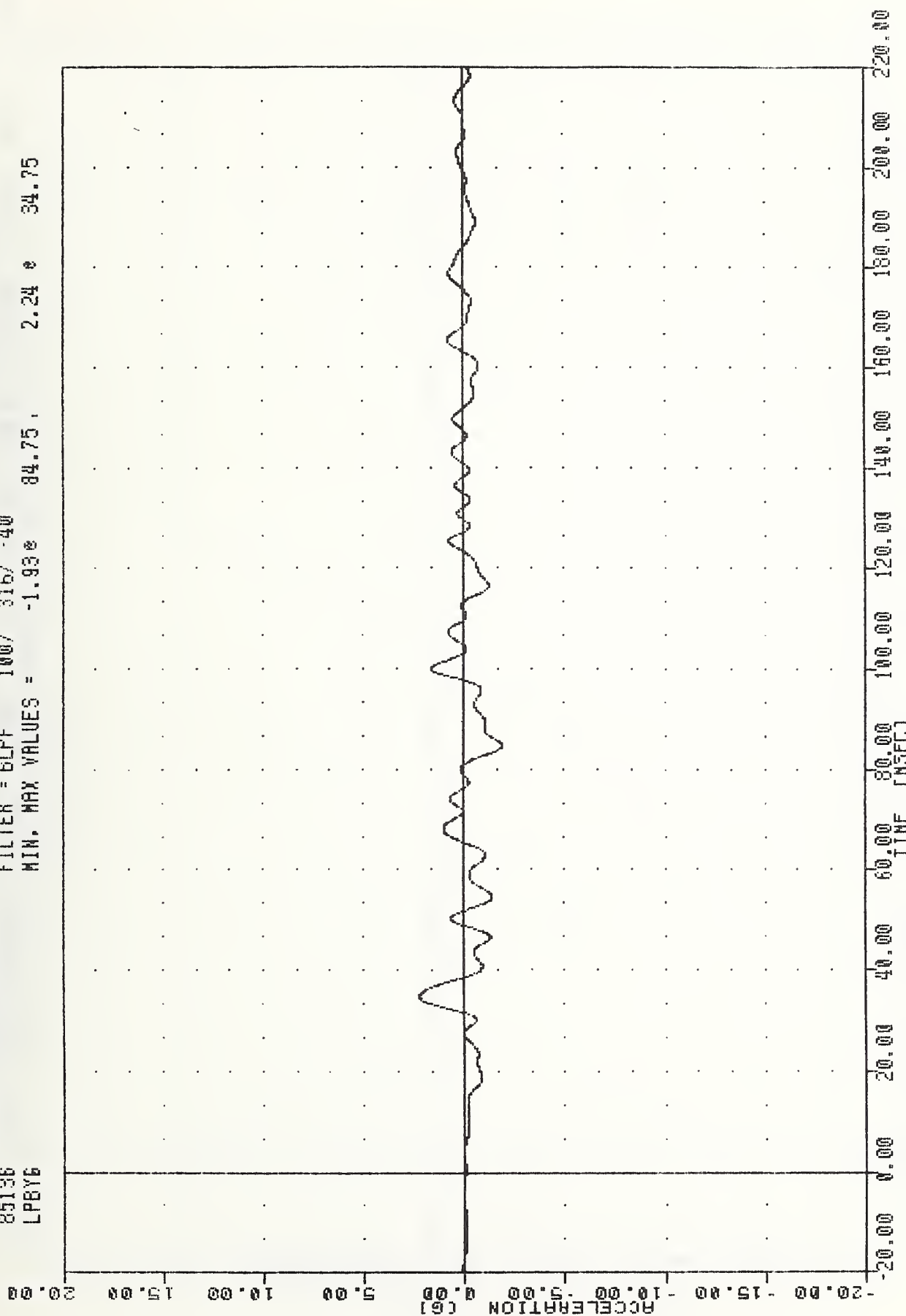


VATC , RD334-4-33
BREED AIRBAG SLED PROGRAM
85136
LPBY6

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.93e 84.75, 2.24 e 34.75



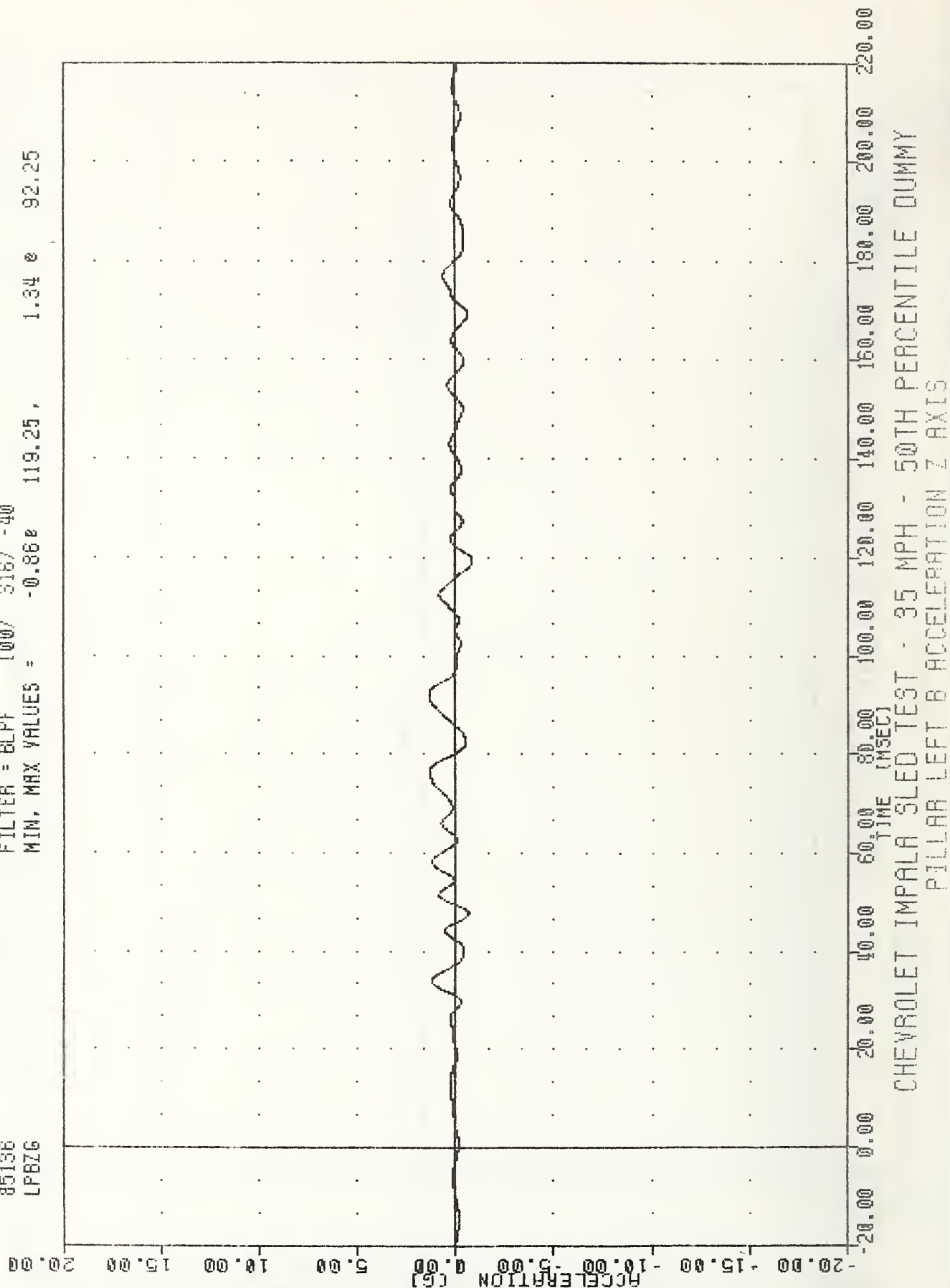
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

VRTC
BREED AIRBAG SLED PROGRAM
85136
LPBZG

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 100/ 316/ -40

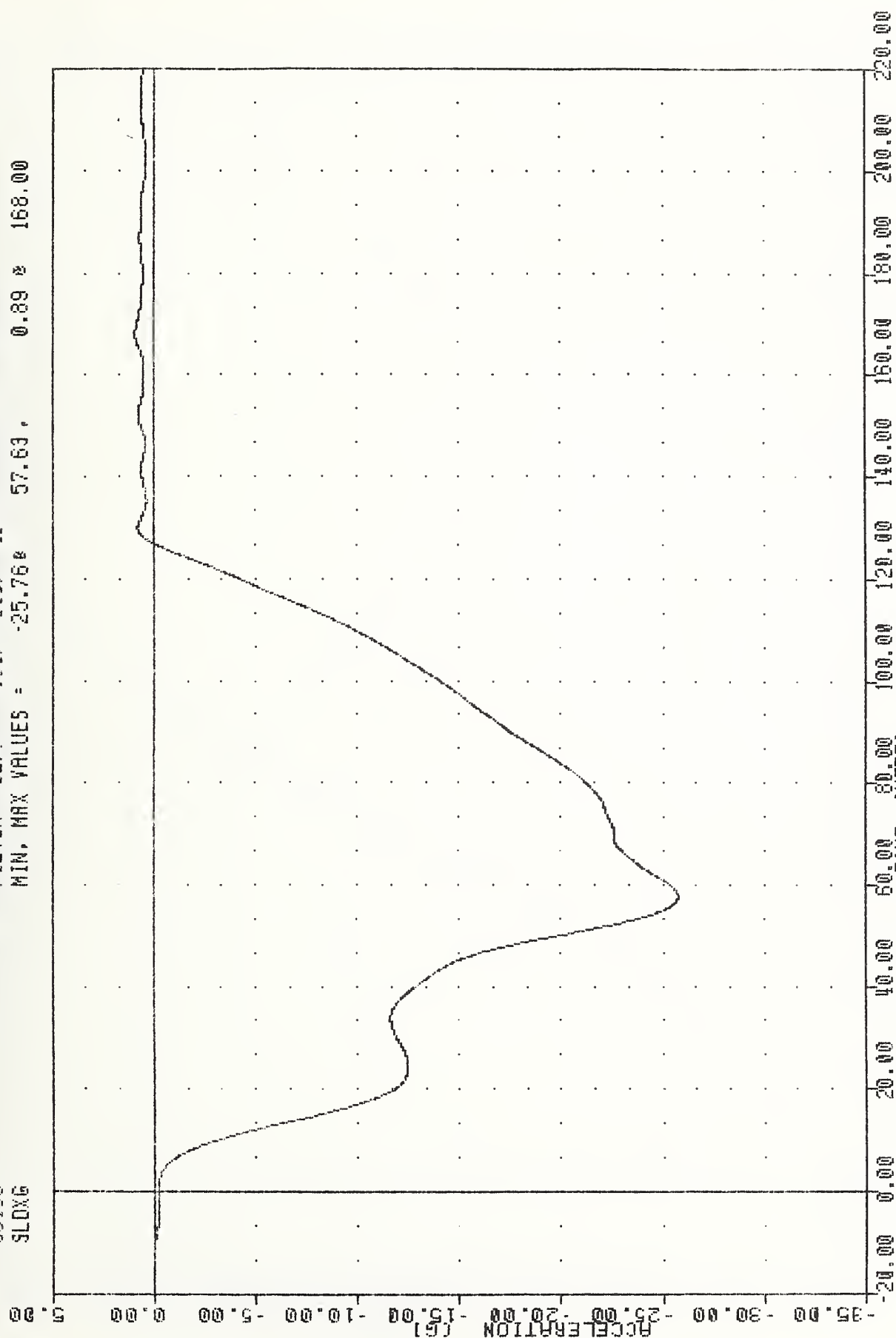
MIN. MAX VALUES = -0.86e 119.25, 1.34 e 92.25



VR7C
BREED AIRBAG SLED PROGRAM
85136
SLOXG

PLOT DATE 16-MAY-85 13:11:57

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -25.76 57.63 0.89 168.00



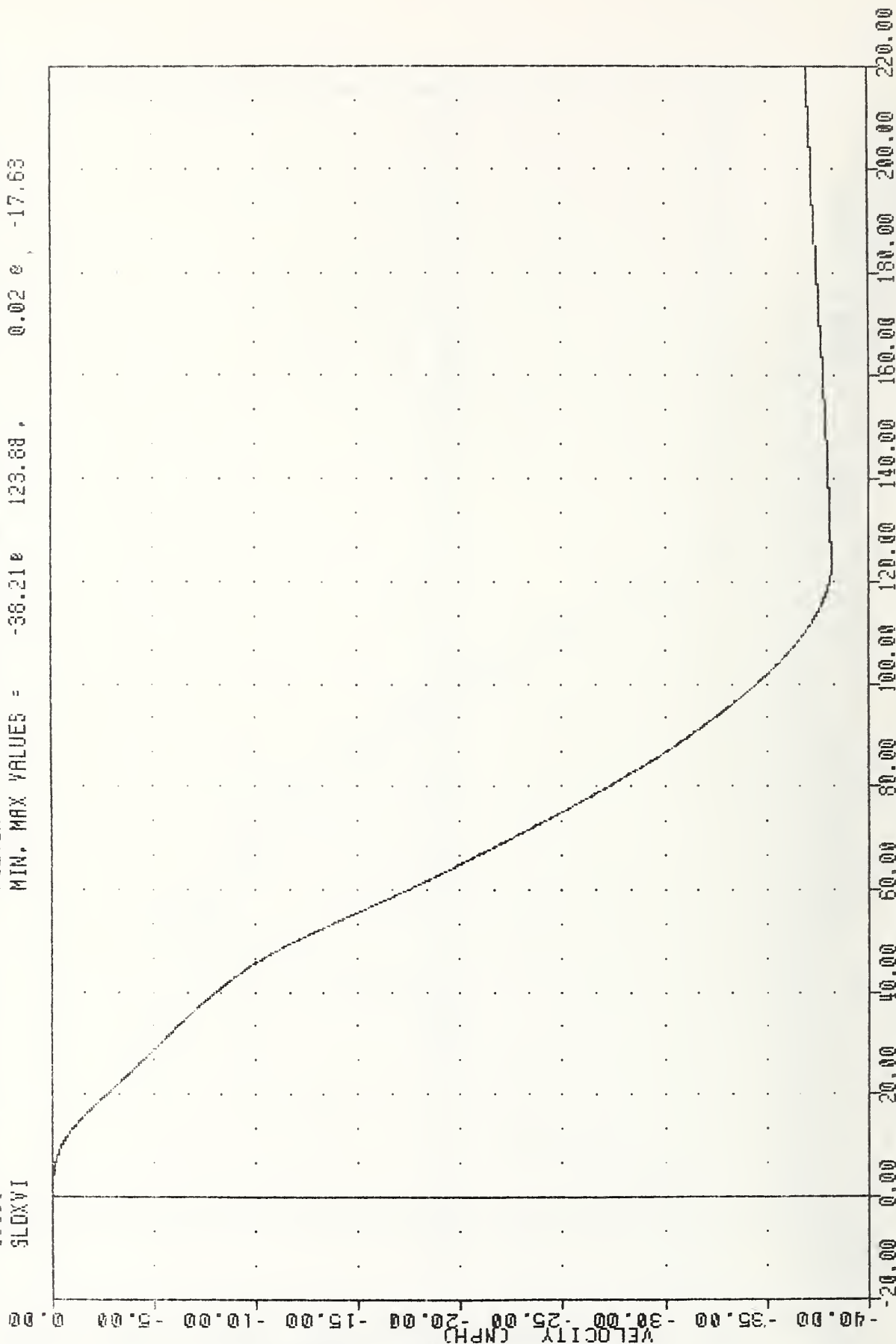
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , R0304-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 SLOXVI

PLOT DATE 10-MAY-85 16:17:40

FILTER = RLFF 300/ 949/ -40

MIN. MAX VALUES = -38.21e 123.88 , 0.02 e , -17.63

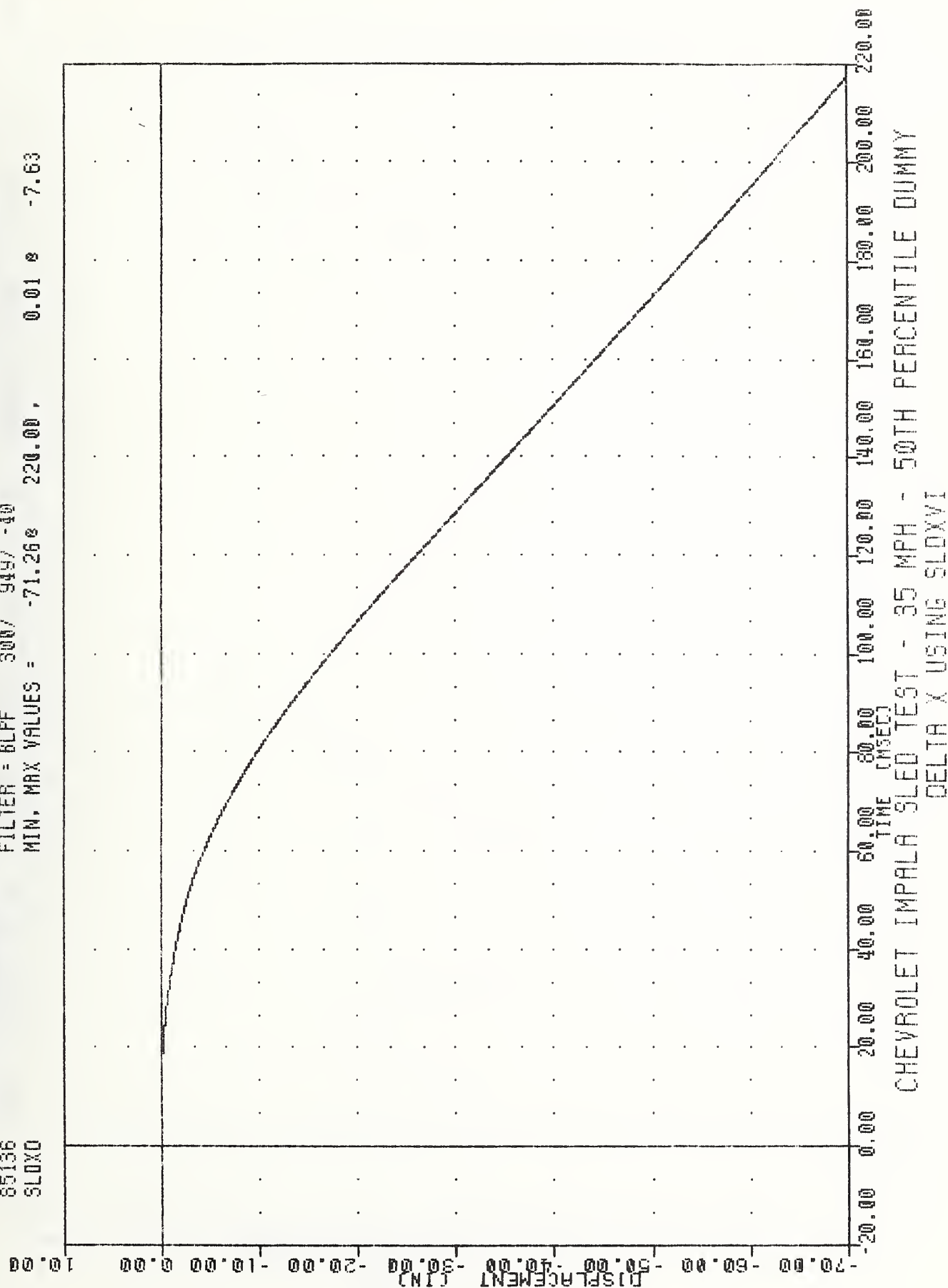


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 SLED VELOCITY (INTEGRATED)

VR1C
 BREED AIRBAG SLED PROGRAM
 85136
 SLOXO

FLY DATE 16-MAY-85 16:13:40

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -71.268 220.00, 0.01 8 -7.63

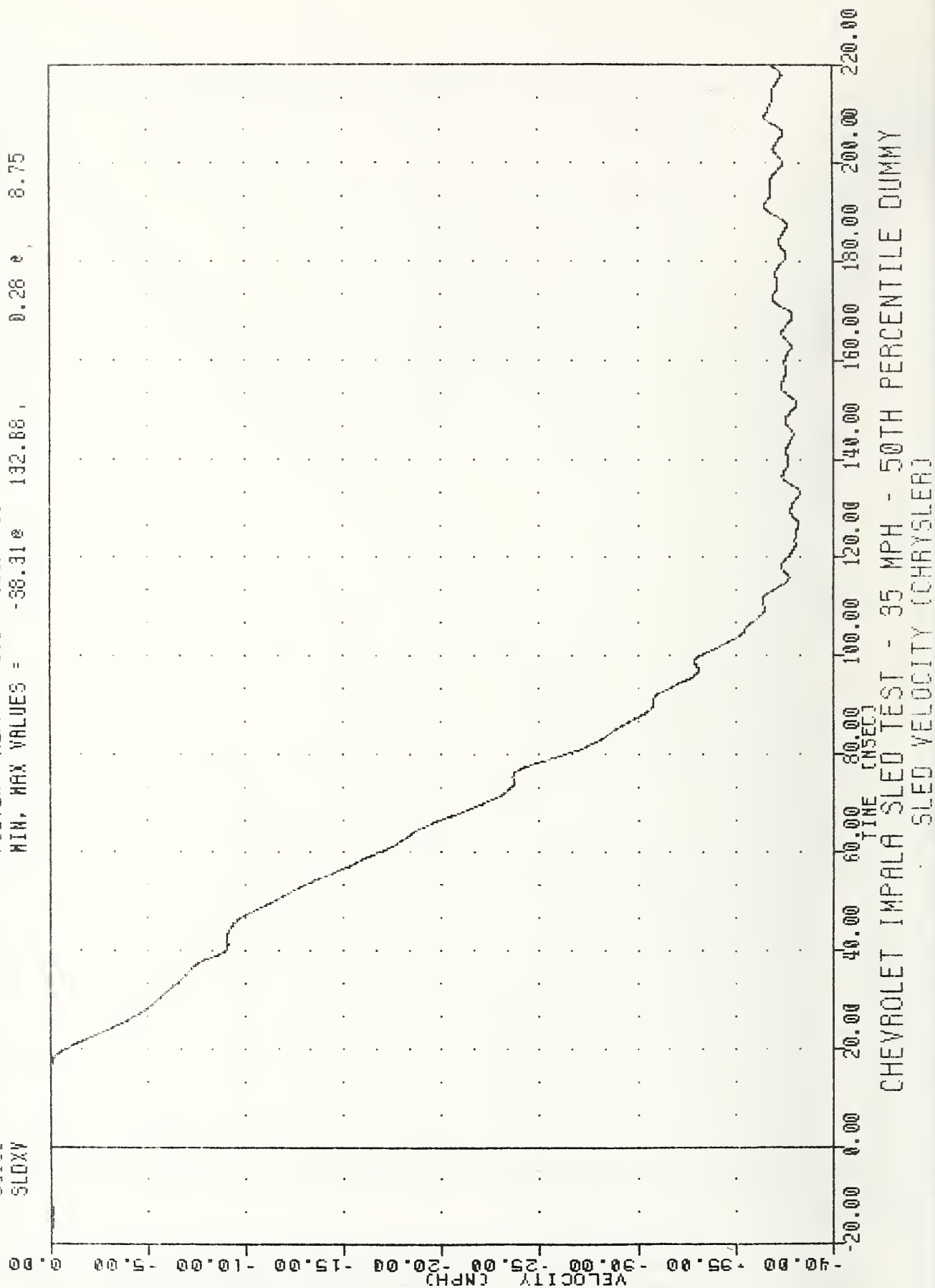


VATIC , RD384-4-33
BRAED AIRBAG SLED PROGRAM
05136
SLOXY

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALFF 100/ 316/ -40

MIN, MAX VALUES = -38.31e 132.88 , 0.28 e, 8.75

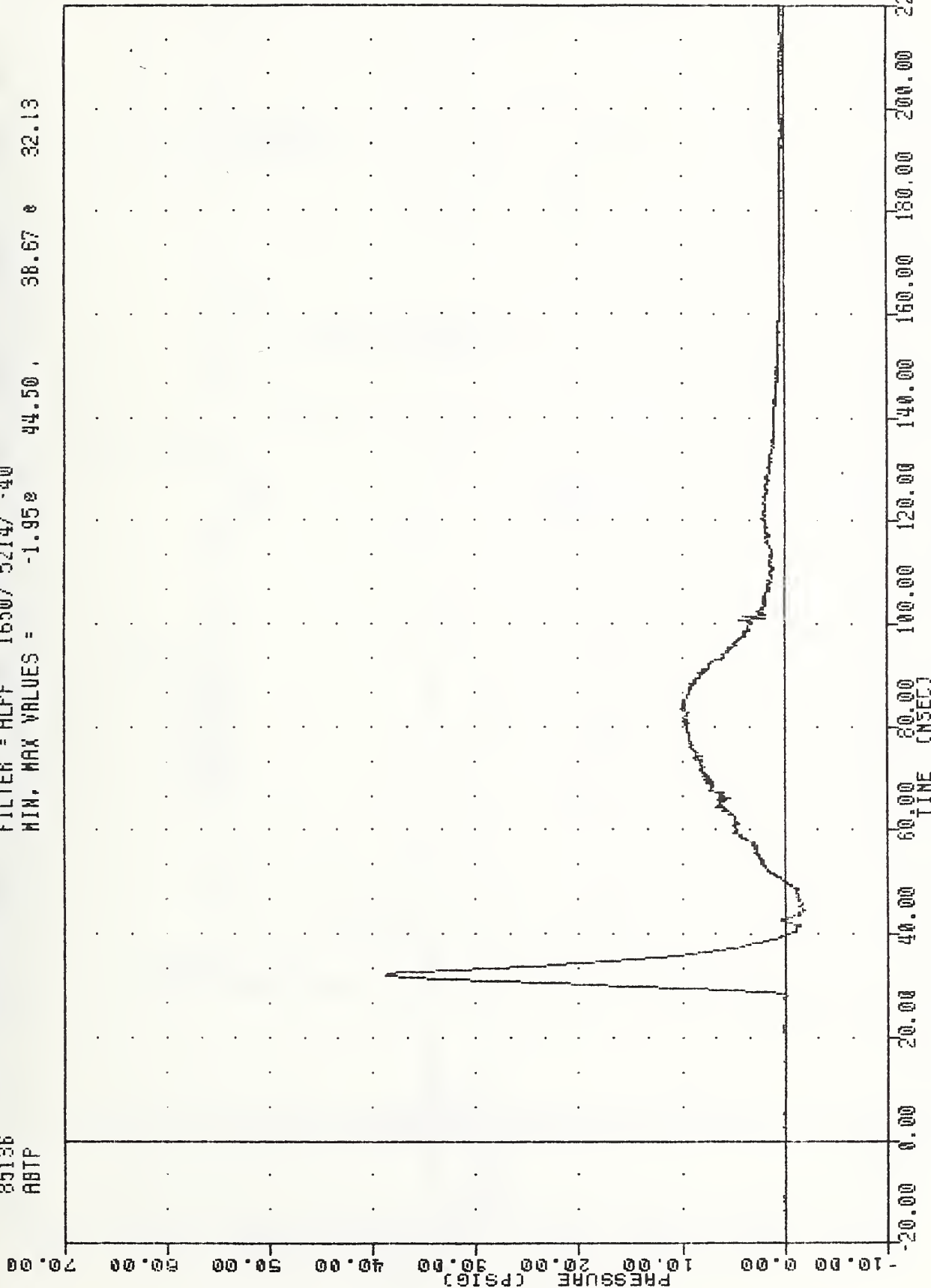


VATIC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 ABTP

PLOT DATE 15-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -1.95e 44.50 , 38.67 e 32.13



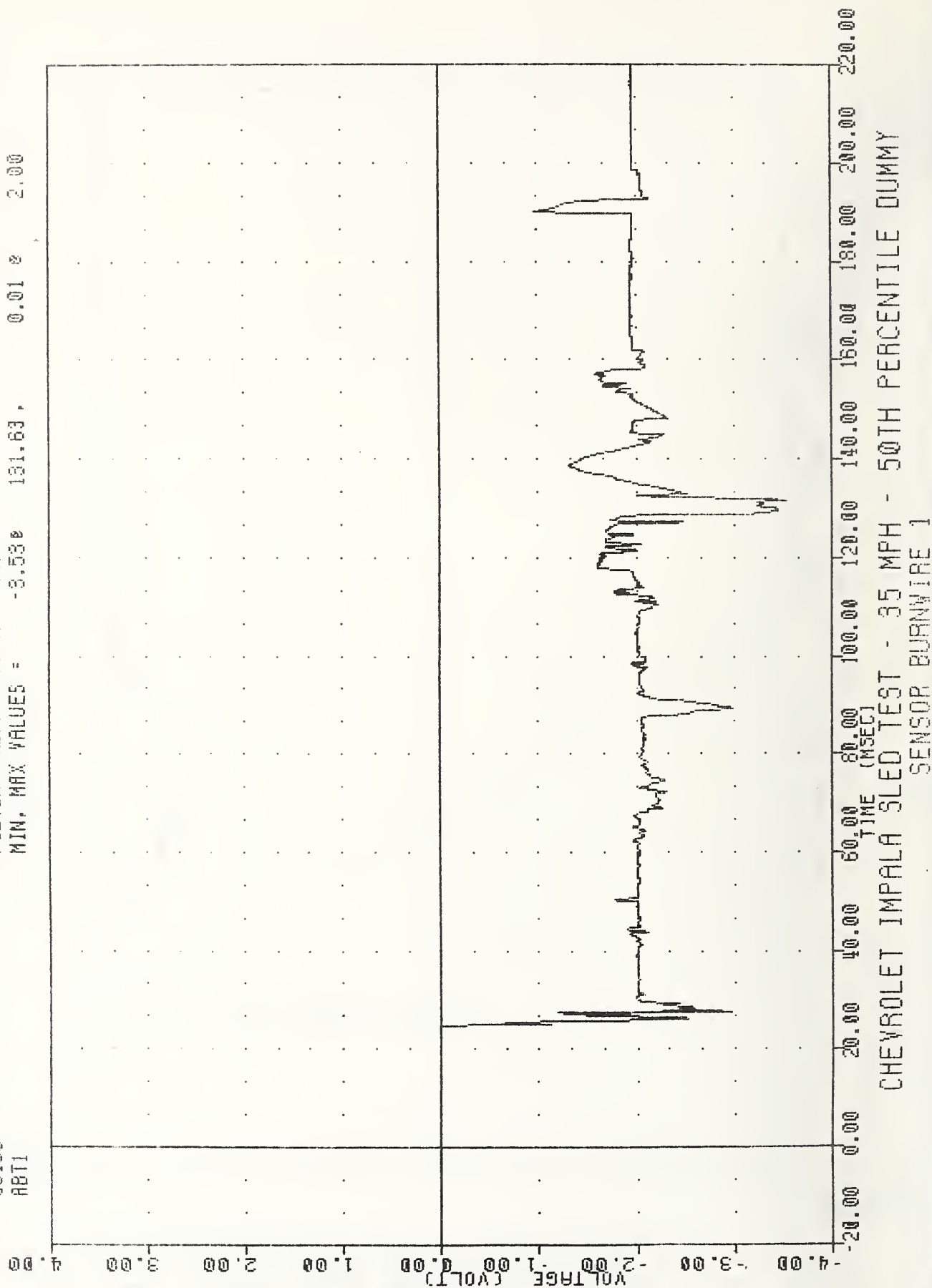
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VRTC , R0384-4-33
BREED AIRBAG SLED PROGRAM
85136
ABT1

PLOT DATE 18-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.53e 131.63, 0.01e 2.00



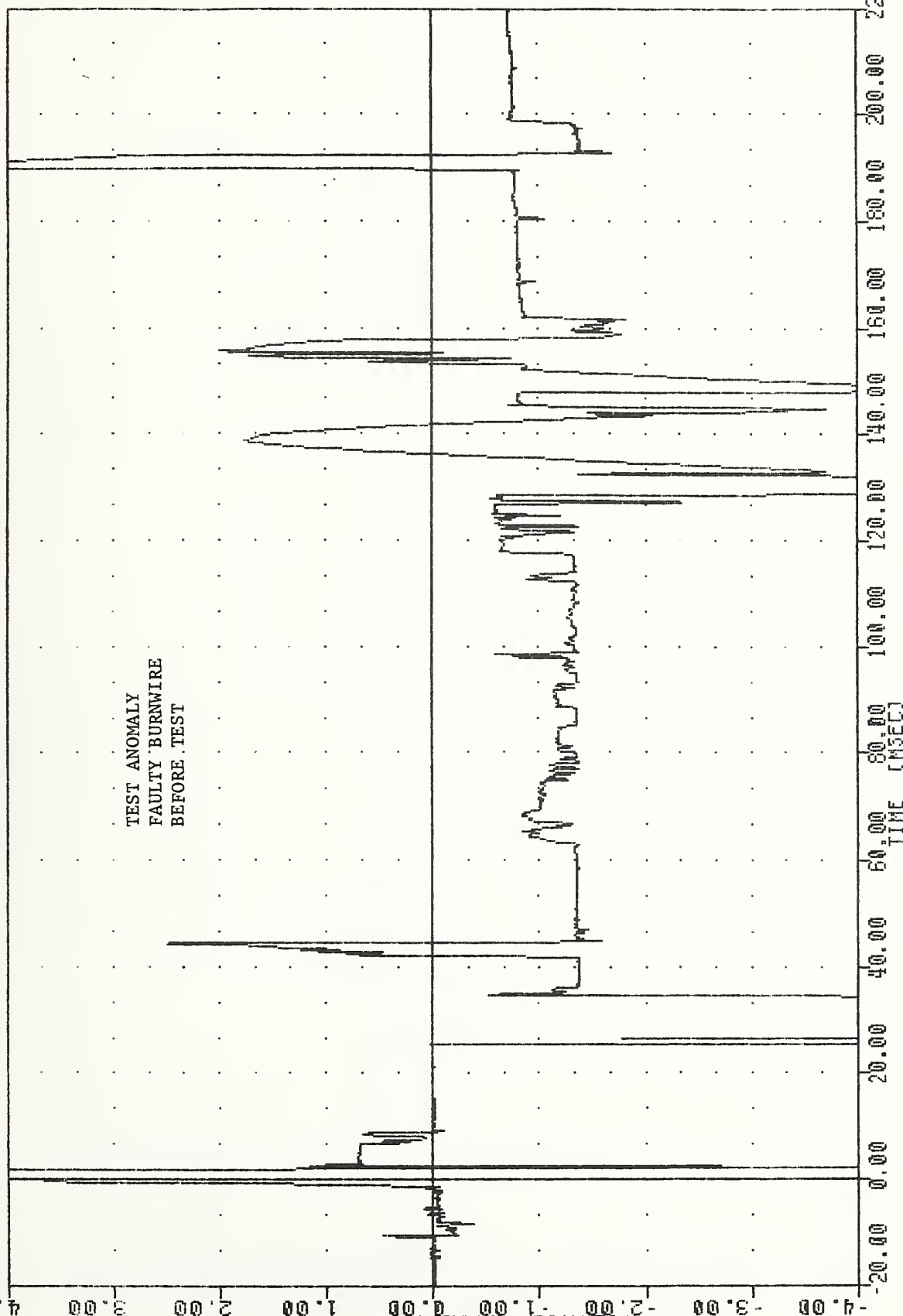
VRIC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
ABT2

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -9.25e 25.75, 5.42 e 190.00

VOLTAGE (VOLTS)



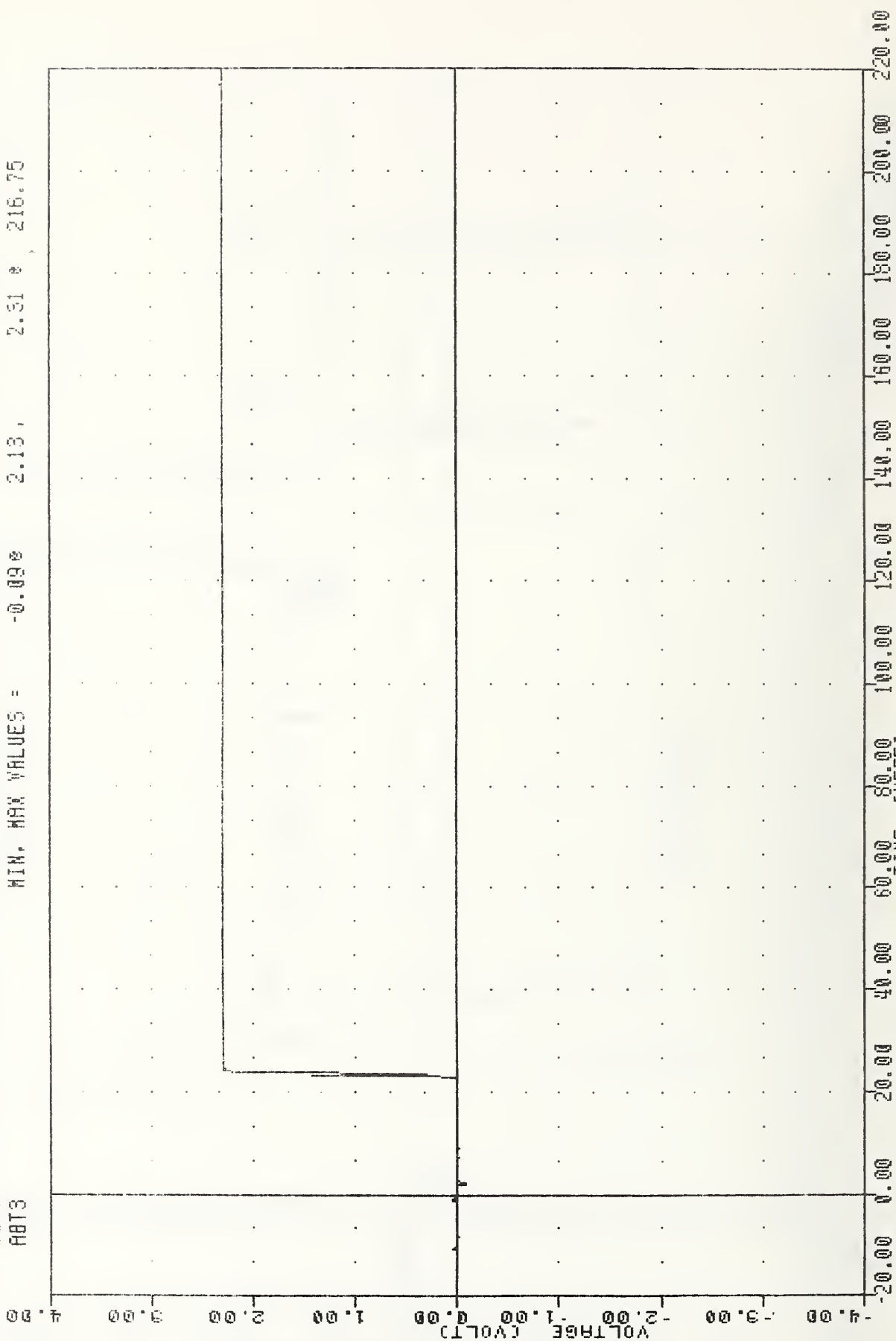
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRTC RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 ABT3

PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.090 2.13, 2.31 e, 216.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VRTC R0384-4-33
BREED AIRBAG SLED PROGRAM
85136
ABT4

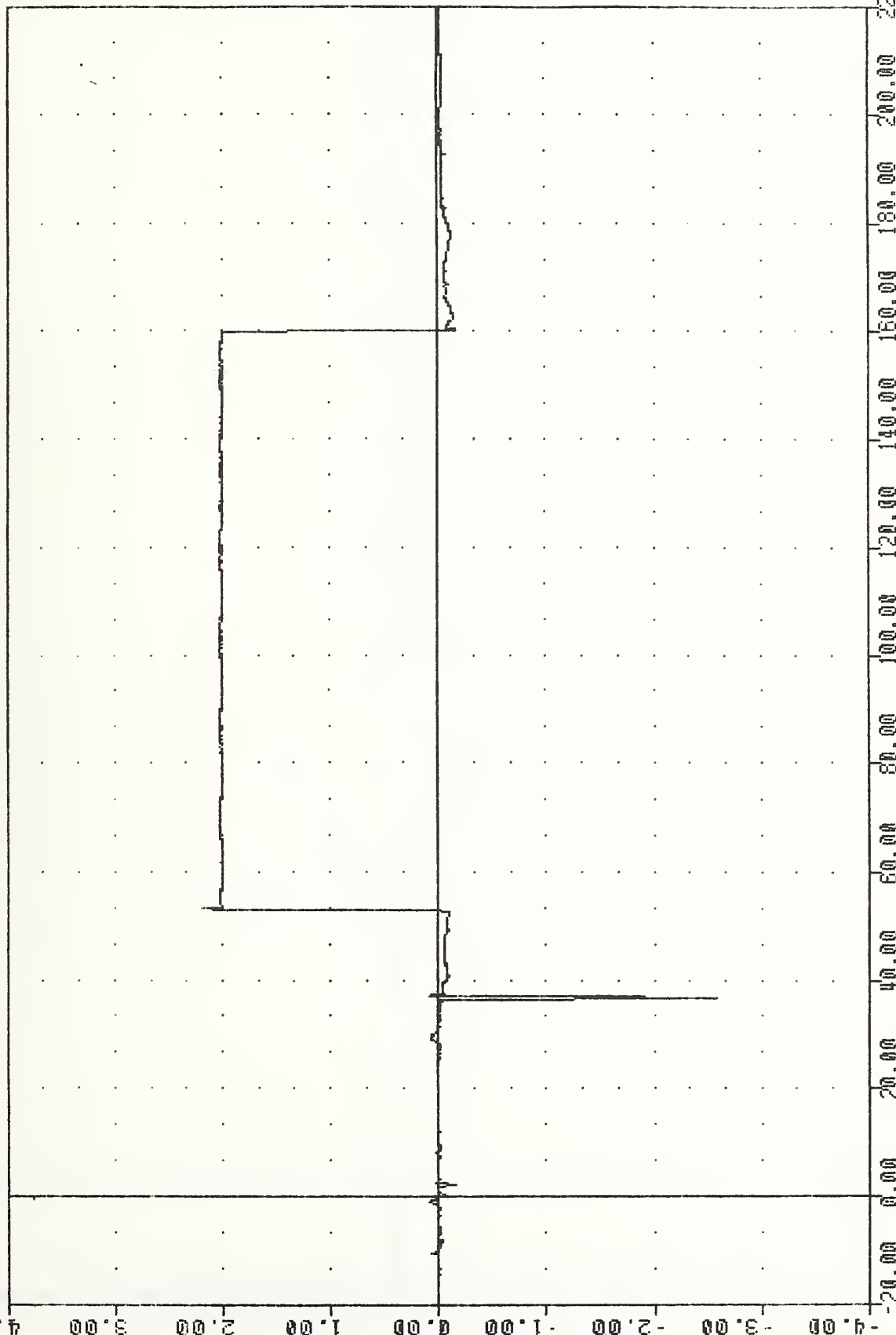
PLOT DATE 16-MAY-85 16:11:57

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.59 36.75

2.18 53.13

VOLTAGE (VOLTS)



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

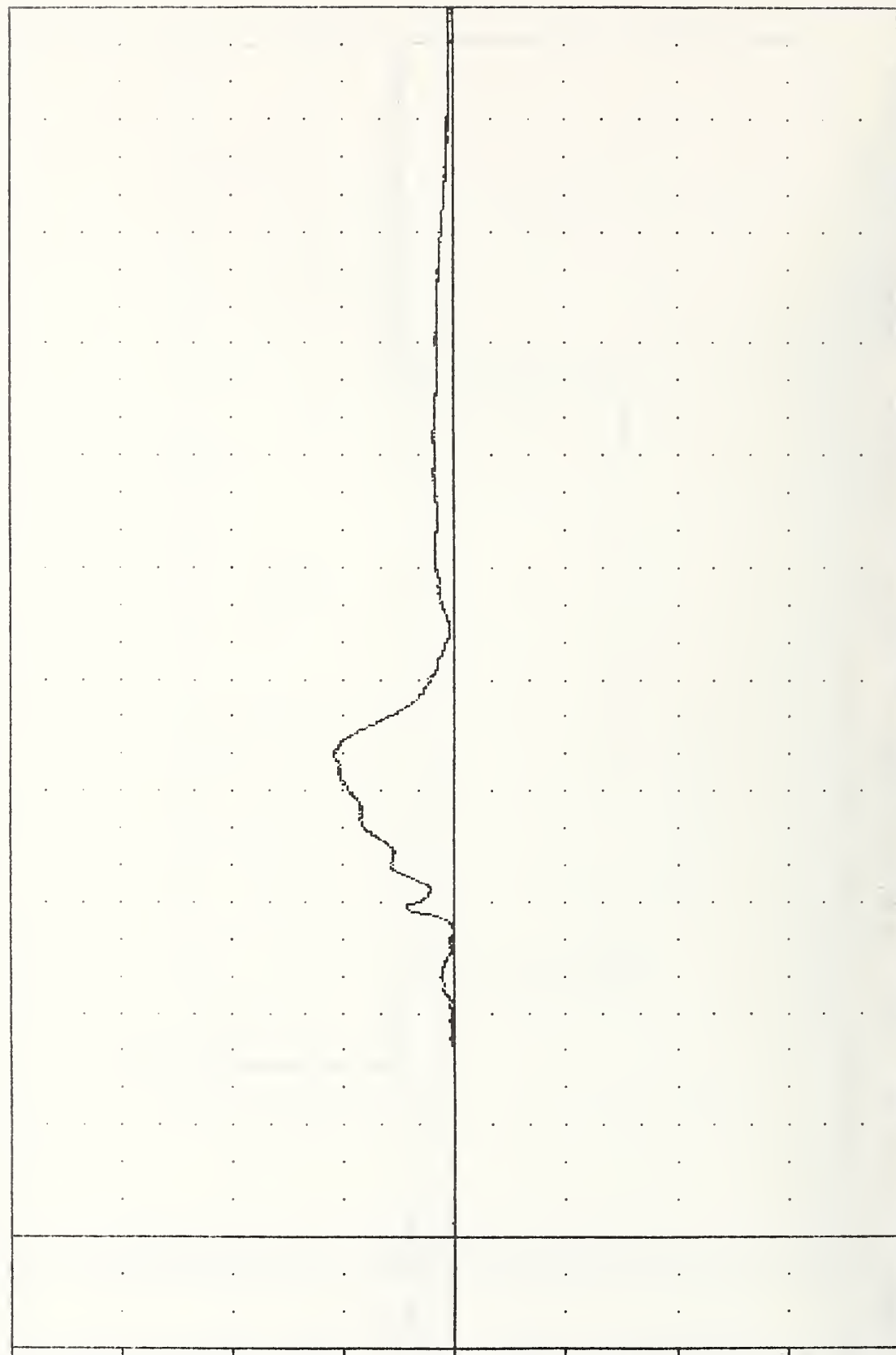
VRTC , R0384-4-33
 BREED AIRBAG SLED PROGRAM
 05136
 HEDRG1

PLOT DATE 16-MAY-85 18:15:27

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.06g 15.50, 54.80 g, 86.25

ACCELERATION (G)



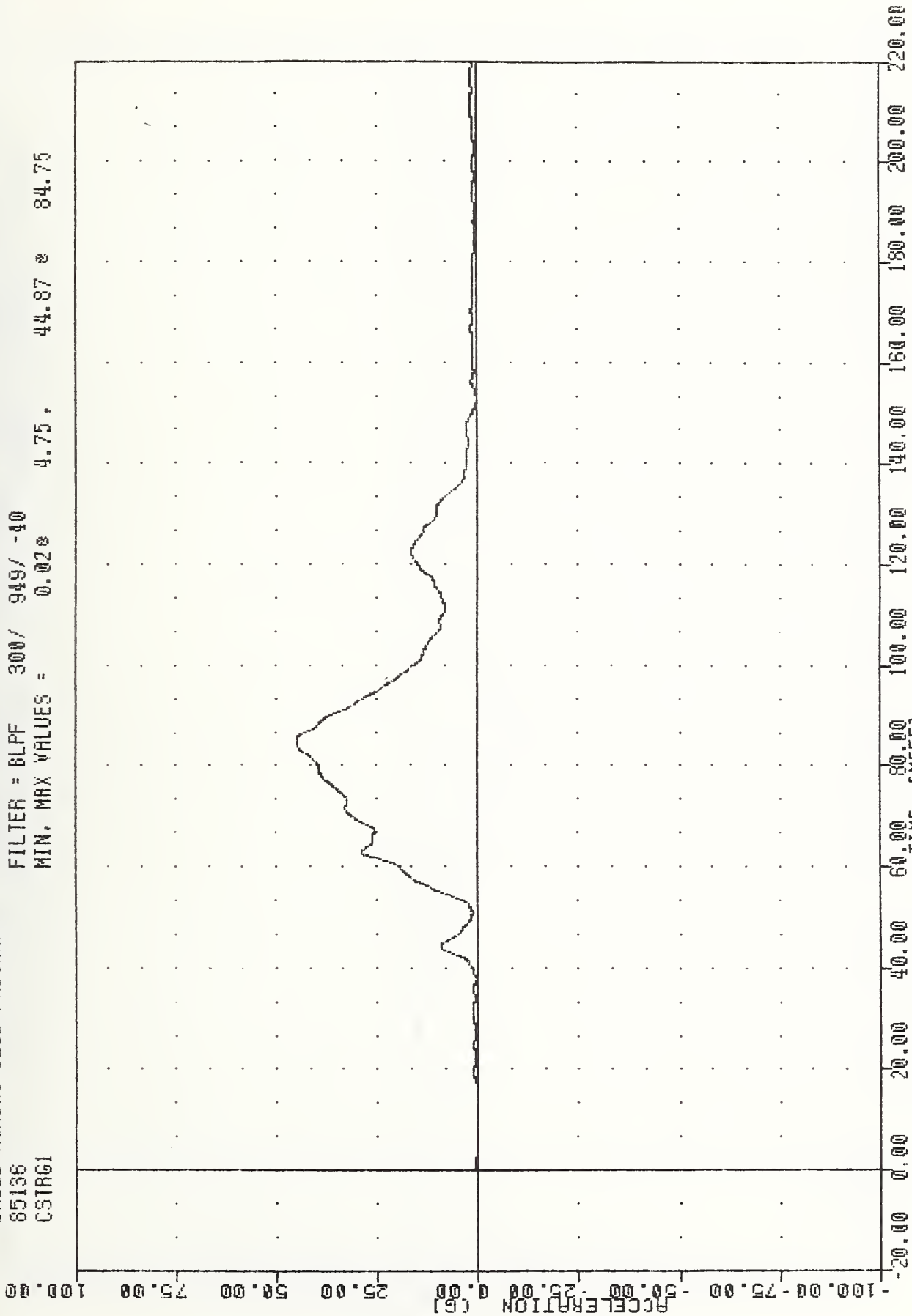
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD RESULTANT

VRIC
BREED AIRBAG SLED PROGRAM
85136
CSTRG1

PLOT DATE 18-MAY-85 16:15:27

FILTER = BLPF 300/ 949/ -10
MIN. MAX VALUES = 0.028 4.75 . 44.87 e 84.75



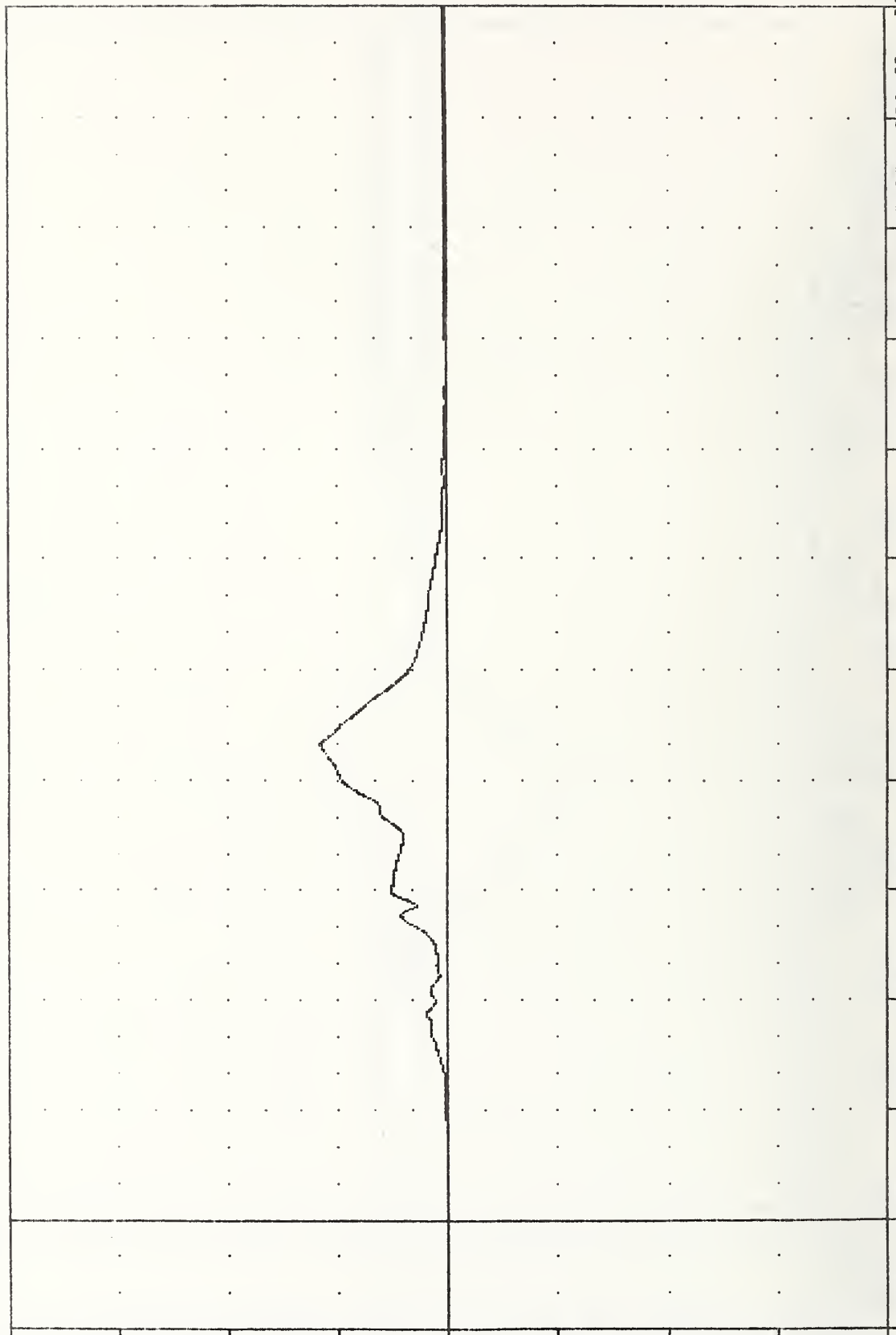
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VATIC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85138
 PEVR61

PLOT DATE 16-MAY-85 16:15:27

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = 0.13e -16.63, 56.13 e, 86.38

ACCELERATION (G)



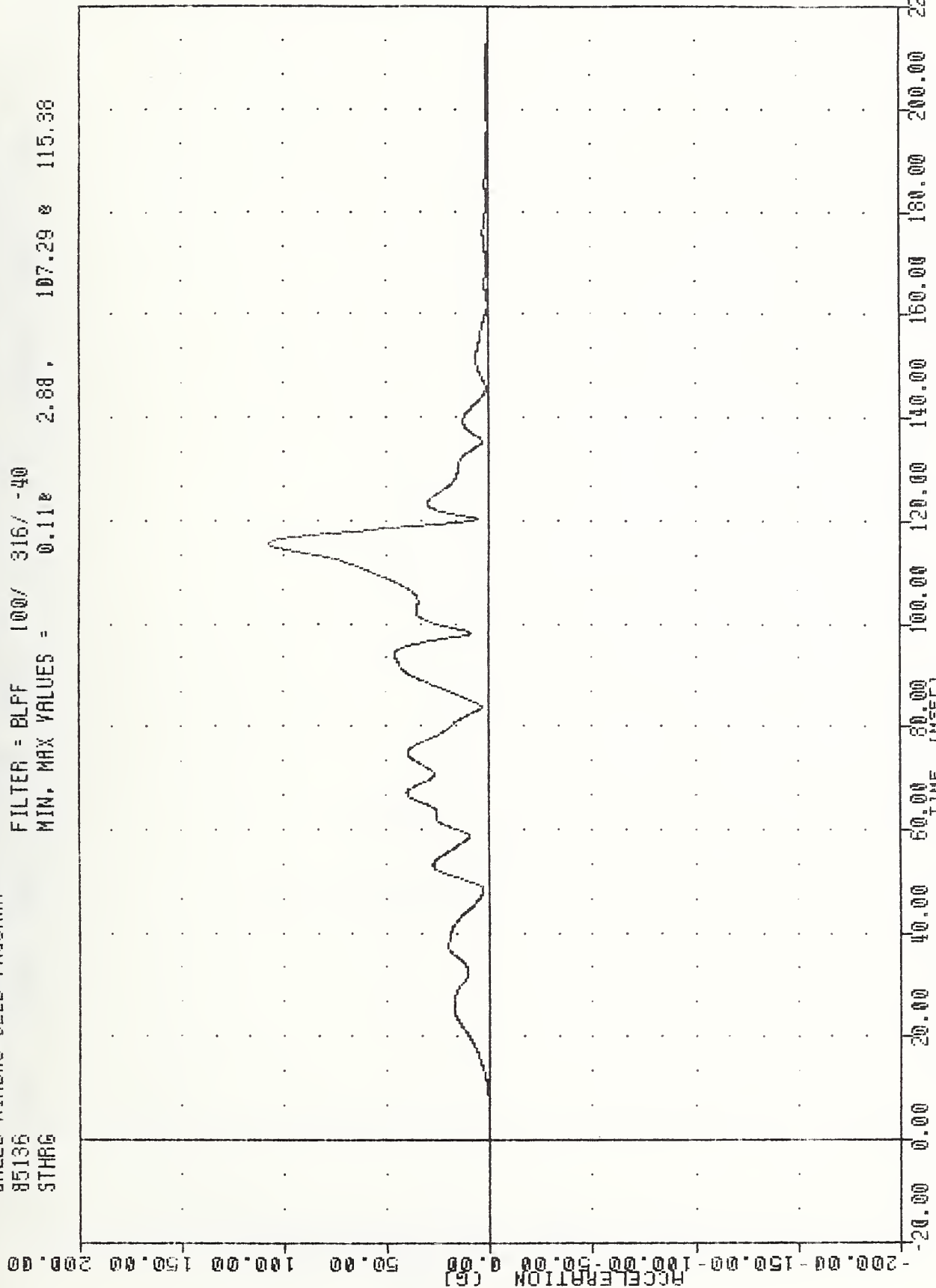
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

VRTC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 STRG

PLOT DATE 16-MAY-85 16:15:27

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.11e 2.88 , 107.29 e 115.38



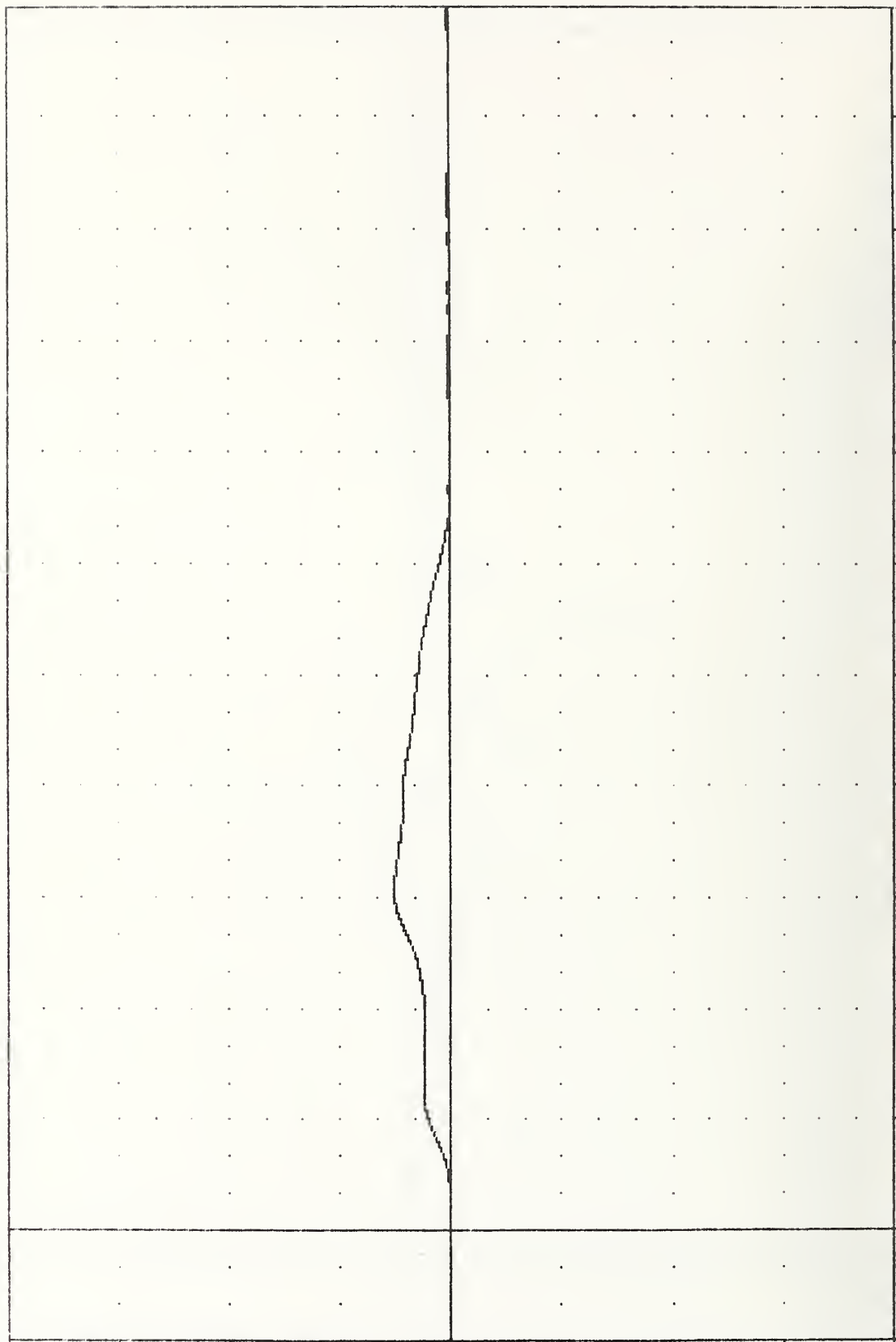
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB RESULTANT

VRTC , R0384-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 LPBAG

PLOT DATE 16-MAY-85 16:15:27

FILTER = BLFF 100/ 316/ -40
 MIN. MAX VALUES = 0.030 129.50, 25.59 e, 61.50

ACCELERATION (G)



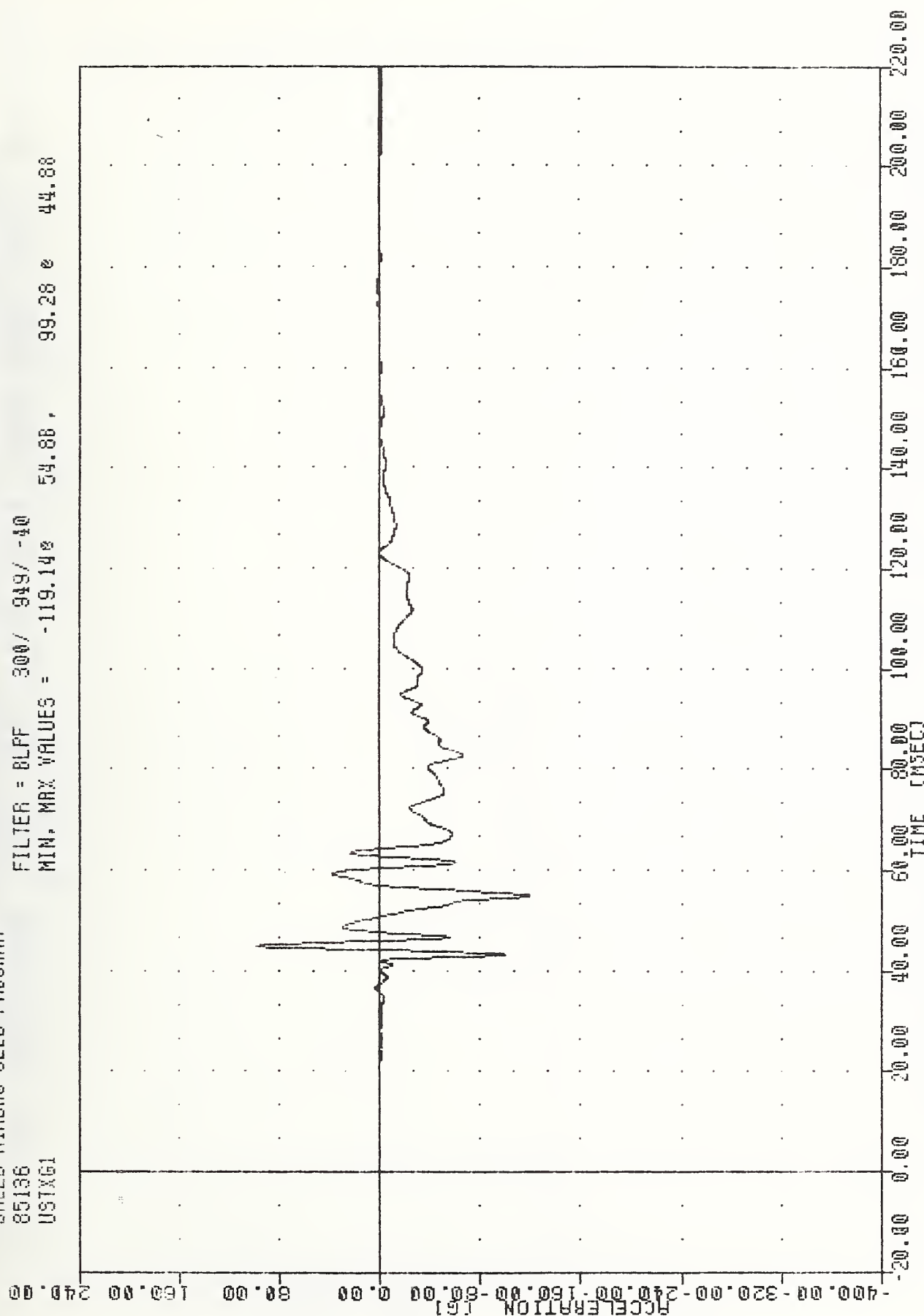
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

VRIC , RD384-4-33
BREED AIRBAG SLED PROGRAM
85136
USTXG1

PLOT DATE 16-MAY-85 16:11:57

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -119.142 54.88 , 99.28 e 44.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER UPPER STERNUM ACCELERATION X AXIS

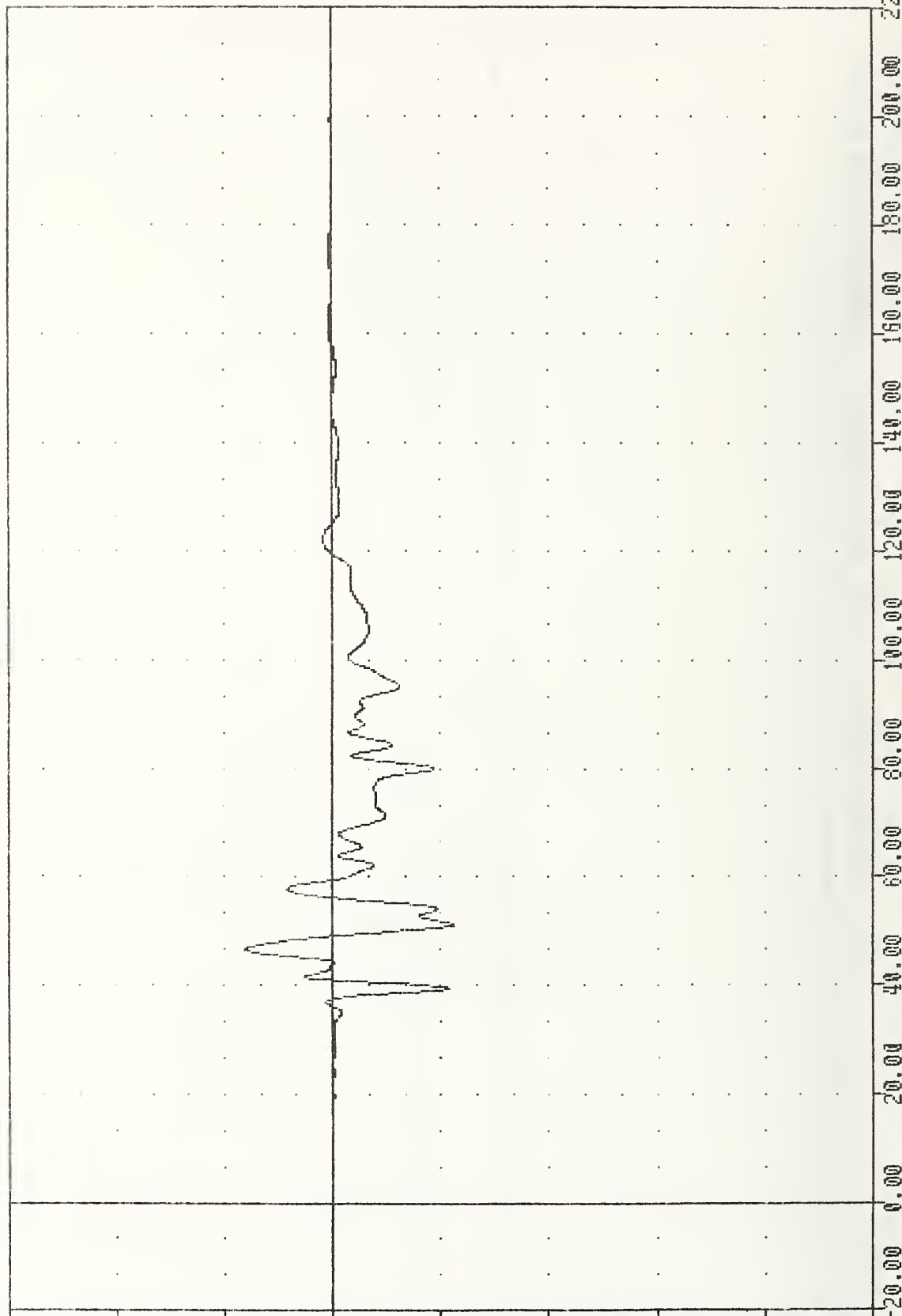
V8TC
BREED HIRBAG SLED PROGRAM
85136
LSTX61

PLST DATE 13-MAR-85 15:11:57

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -90.170 51.25, 64.74 & 46.63

ACCELERATION (G)



220

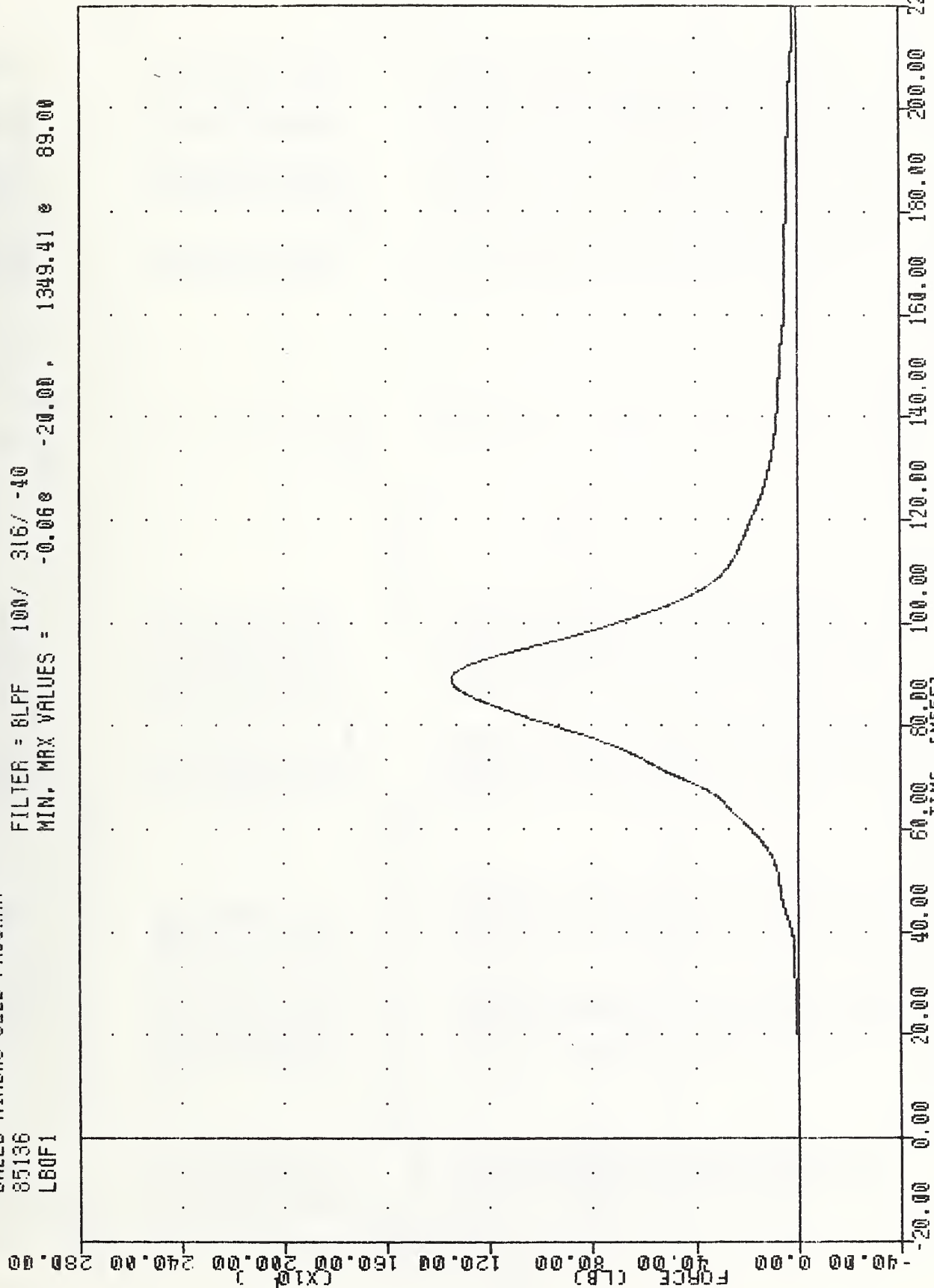
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

WRIC , RD304-4-33
 BREED AIRBAG SLED PROGRAM
 85136
 LB0F1

PLOT DATE 16-MAY-85 16:11:57

FILTER = 8LFF 100/ 316/ -40

MIN, MAX VALUES = -0.068 -20.00 , 1349.41 @ 89.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

TRC441P. RAD: 1
VRTC
85137
RD384-4-34 BREED AIRBAG SLED PROGRAM
35.00 mph
17-MAY-85 15:43

		Min value	Max value	Data Units	Filter
1	EVENT	0.051 @ 40.500	1.618 @ -19.500 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.259 @ 132.625	0.120 @ -8.500 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.693 @ 57.625	1.165 @ 130.250 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-34.164 @ 104.625	3.153 @ 215.375 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-1.376 @ 46.500	8.675 @ 107.000 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-3.725 @ 145.000	21.036 @ 104.500 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-57.808 @ 117.125	4.007 @ 156.125 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-1.378 @ 149.000	3.337 @ 115.250 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-8.062 @ 75.375	4.572 @ 54.750 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-64.219 @ 69.000	83.065 @ 47.000 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-65.720 @ 52.750	77.147 @ 45.500 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-46.676 @ 87.125	2.316 @ 203.250 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-10.910 @ 85.625	7.203 @ 92.125 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-15.714 @ 106.375	1.673 @ 150.000 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-1347.903 @ 98.000	151.496 @ 217.250 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-1554.062 @ 85.875	67.012 @ 171.750 msec	lb	BLPF 1000/ 3162/ -40
17	STHPG	-185.752 @ 94.250	40.001 @ 77.250 msec	g	BLPF 100/ 316/ -40
18	STHLG	-20.762 @ 97.750	43.193 @ 91.750 msec	g	BLPF 100/ 316/ -40
19	STHIG	-27.295 @ 102.000	67.262 @ 95.875 msec	g	BLPF 100/ 316/ -40
20	LPBKG	-25.338 @ 61.000	1.261 @ 131.875 msec	g	BLPF 100/ 316/ -40
21	LPBYG	-2.132 @ 83.625	2.333 @ 107.000 msec	g	BLPF 100/ 316/ -40
22	LPBZG	-0.948 @ 96.625	2.141 @ 103.500 msec	g	BLPF 100/ 316/ -40
23	ABTP	-2.639 @ 46.500	35.542 @ 31.000 msec	psig	ALPF 1650/ 5214/ -40
24	ABT1	-3.843 @ 27.875	0.004 @ 3.250 msec	volt	ALPF 1650/ 5214/ -40
25	ABT2	-2.911 @ 27.500	0.004 @ -11.750 msec	volt	ALPF 1650/ 5214/ -40
26	ABT3	-0.024 @ 3.625	2.349 @ 25.625 msec	volt	ALPF 1650/ 5214/ -40
27	ABT4	-0.491 @ 178.625	10.000 @ 84.500 msec	volt	ALPF 1650/ 5214/ -40

222

TRC441P. RAD: 1
VRTC
85137
RD384-4-34 BREED AIRBAG SLED PROGRAM
35.00 mph
20-MAY-85 15:53

		Min value	Max value	Data Units	Filter
1	HEDXV1	-49.752 @ 200.875	0.404 @ 46.625 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-67.456 @ 220.000	0.140 @ 59.875 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-47.923 @ 137.000	0.232 @ -12.625 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-68.481 @ 220.000	0.251 @ 41.250 msec	in	BLPF 300/ 949/ -40
5	PEXV1	-40.261 @ 142.750	-0.042 @ -20.000 msec	mph	BLPF 300/ 949/ -40
6	PEXVD1	-65.140 @ 220.000	-0.018 @ -20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-37.947 @ 123.125	0.035 @ -16.375 msec	mph	BLPF 300/ 949/ -40
8	SLDXV	-71.009 @ 220.000	0.023 @ -4.000 msec	in	BLPF 300/ 949/ -40
9	STHPV	-34.513 @ 127.250	0.444 @ -20.000 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-58.588 @ 223.000	0.378 @ 11.750 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-37.295 @ 124.625	0.000 @ -20.000 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-68.812 @ 220.000	-0.002 @ -20.000 msec	in	BLPF 300/ 949/ -40

TRC441P. RAD: 1
VRTC
85137
RD384-4-34 BREED AIRBAG SLED PROGRAM
35.00 mph
17-MAY-85 15:43

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.039 @ -4.625	40.765 @ 104.500 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.038 @ 11.250	57.867 @ 117.125 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.076 @ 5.625	48.068 @ 87.125 msec	g	BLPF 100/ 316/ -40
4	STHRG	0.032 @ -10.000	193.740 @ 94.375 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.076 @ -4.875	25.372 @ 61.000 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC441RP.RAD;1
VRTC RD384-4-34 BREED AIRBAG SLED PROGRAM
85137 35.00 mph

* * * HIC computation for HEDRG1 17-MAY-85 15:37
Using time range = 0.000 to 176.375 msec Peak accel = 40.77 @ 104.500
HIC = 312.84 Interval from 65.250 [683] to 130.250 [1203]
HIC = 123.14 Interval from 97.375 [940] to 112.375 [1060]

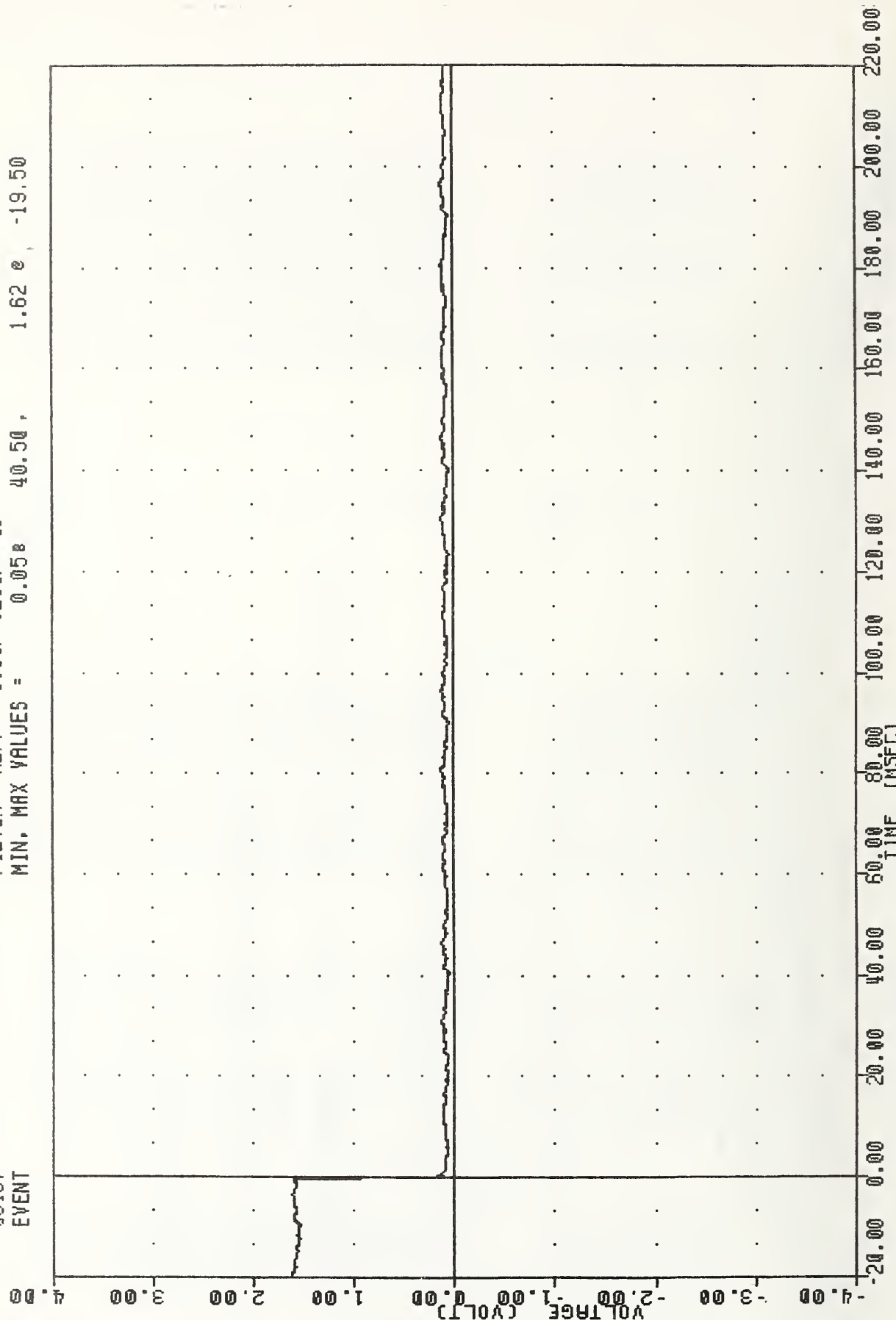
R SYSP:THREEMS
*** Three ms clip program for chest resultant channel ***
THREEMS -- Display greatest value over a 3 ms. period
Enter input filespec -> TRT\T\C441RF
File TRC441RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, DeltaX = 0.125000
VRTC RD384-4-34 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG
Enter channel name -> CSTRG1
ISLED,BREED,TRC441RP.RAD;1 VRTC RD384-4-34
BREED AIRBAG SLED PROGRAM 85137 17-MAY-85 15:42:48
DeltaX: 0.125
3 MS CLIP PEAK: 55.87082
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
\$

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
EVENT

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.058 40.50 , 1.62 e , -19.50



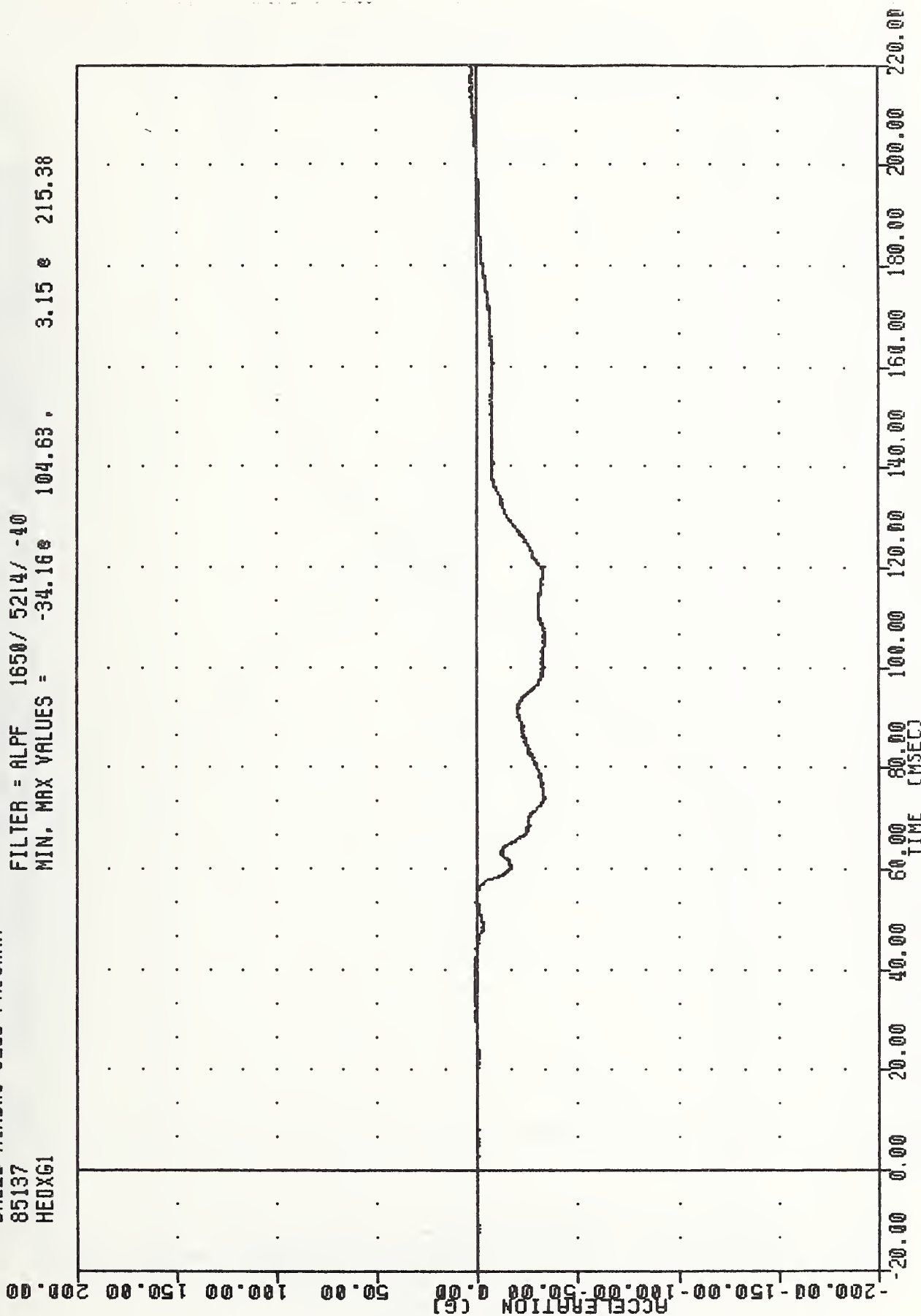
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
EVENT

VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 HE0XG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -34.16 104.63, 3.15 215.38

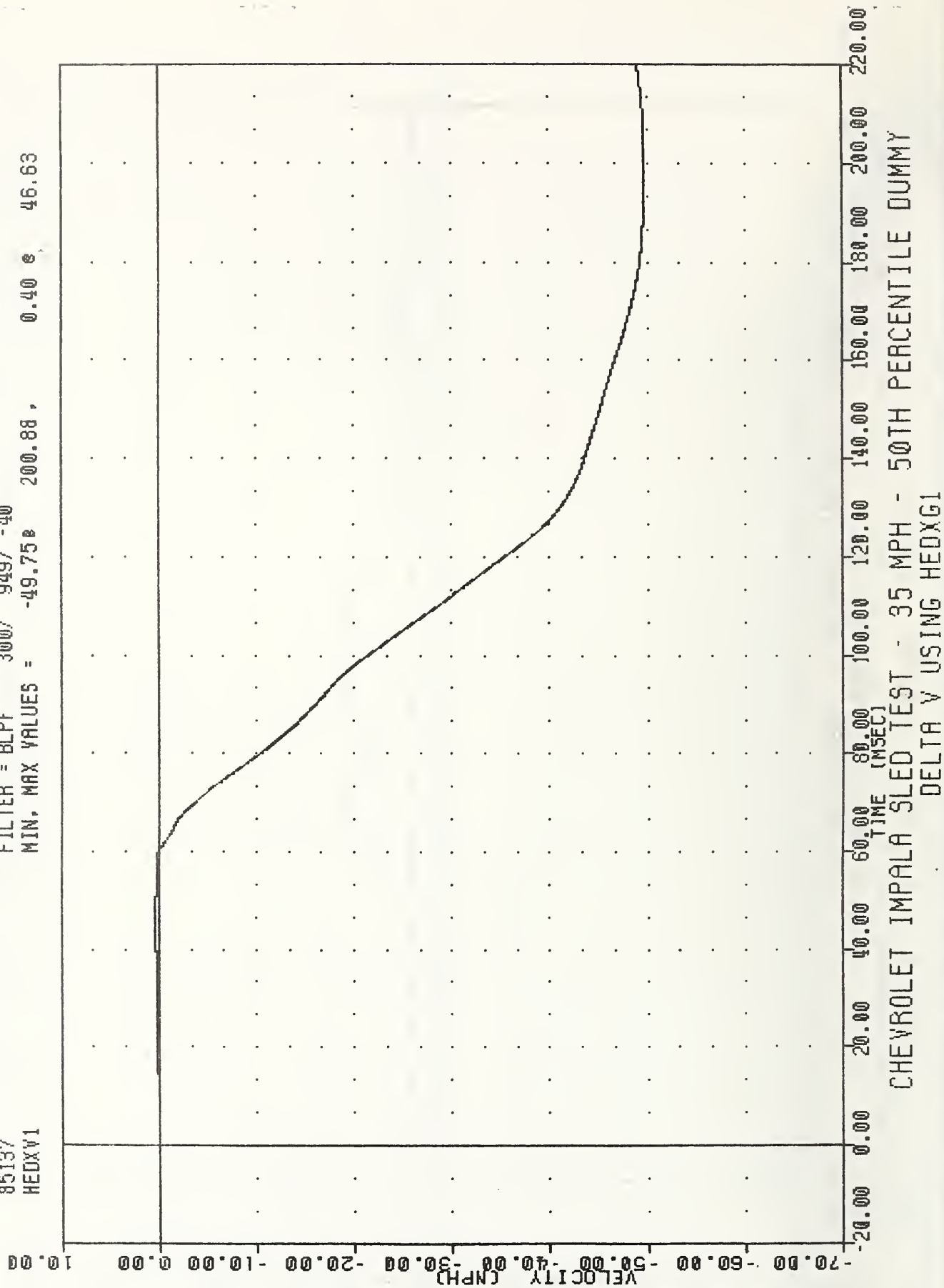


VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
HEDXV1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -49.75 200.88, 0.40 s, 46.63

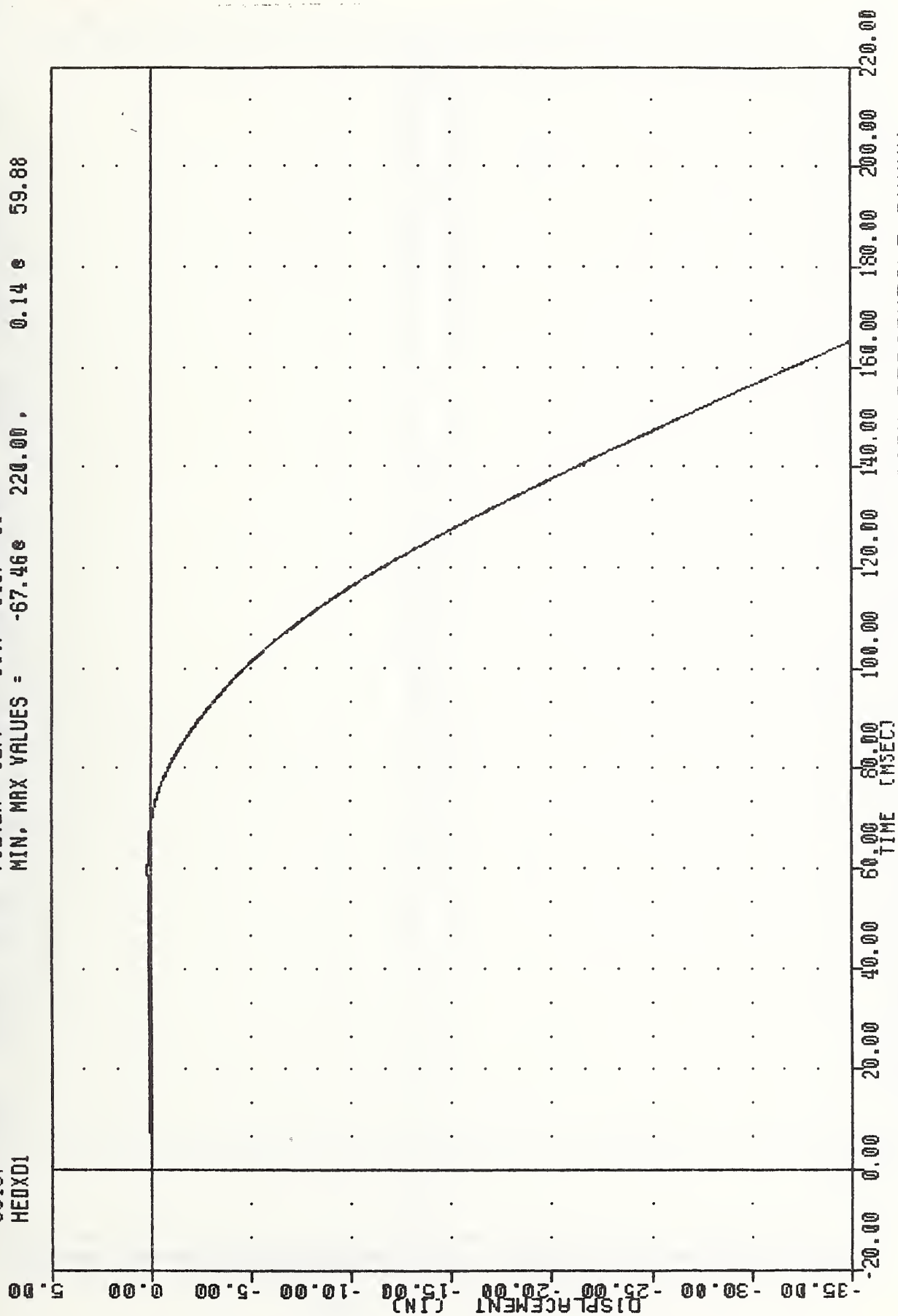


VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
HEDXD1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -67.46e 220.00, 0.14 e 59.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING HEDXV1

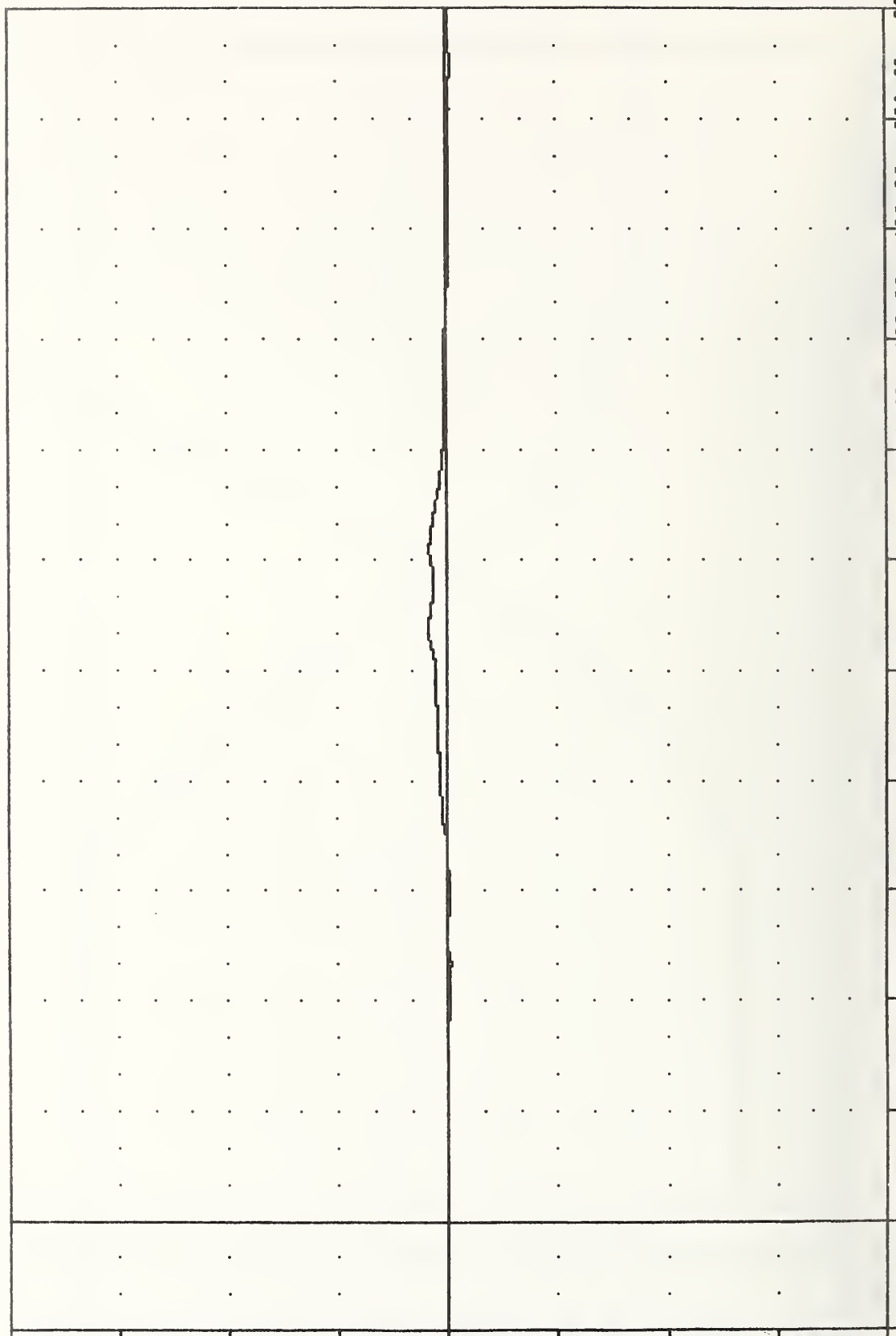
VRTC , RD384-4-34
BRAED AIRBAG SLED PROGRAM
85137
HEDY61

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -1.38e 46.50 , 8.67 e, 107.00

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

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

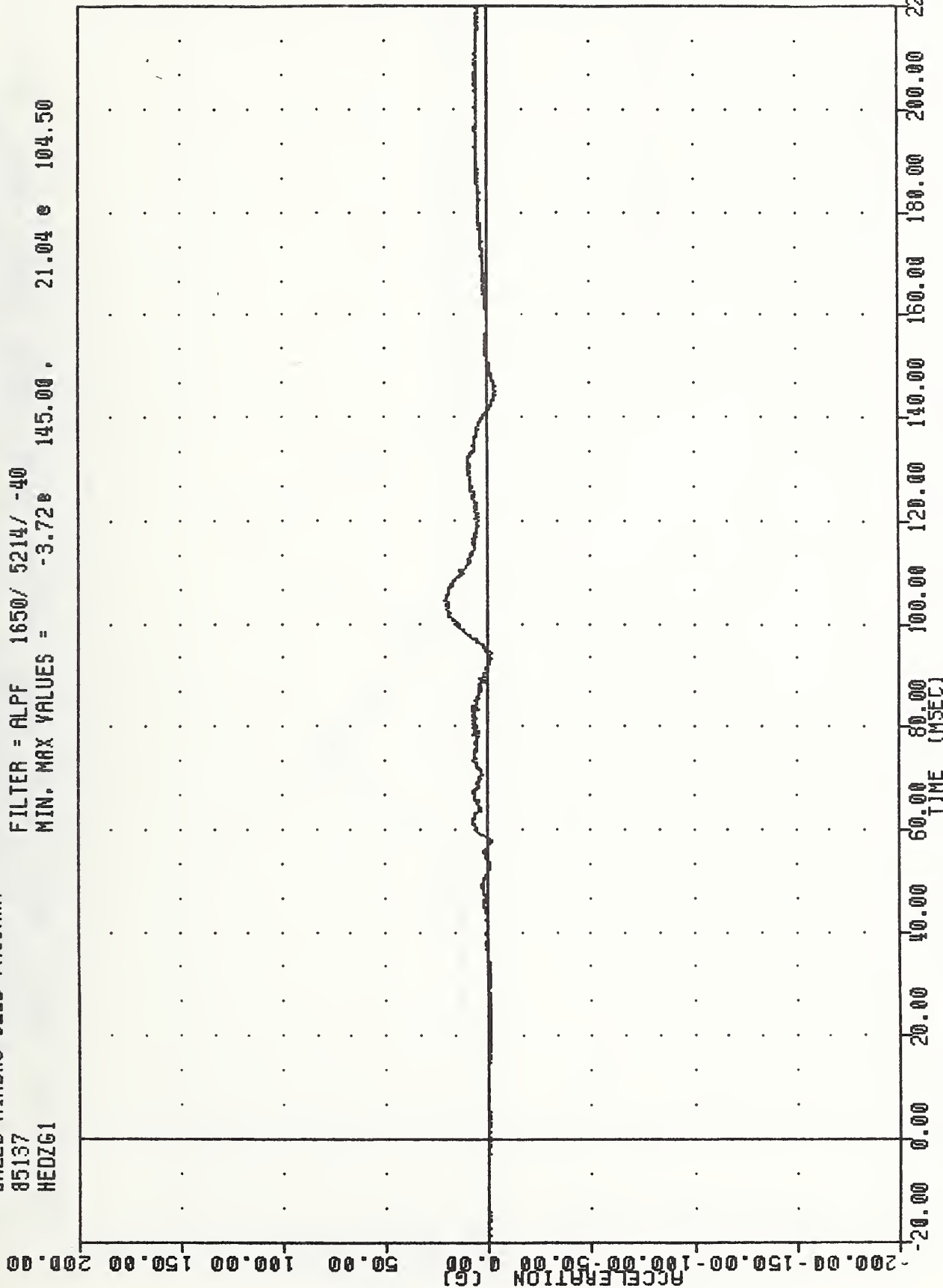
VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
HEDZG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.72e 145.00 ,

21.04 e 104.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRIC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
CSTXG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -57.81e 117.13, 4.01e 156.13

100.00

75.00

50.00

25.00

0.00

-25.00

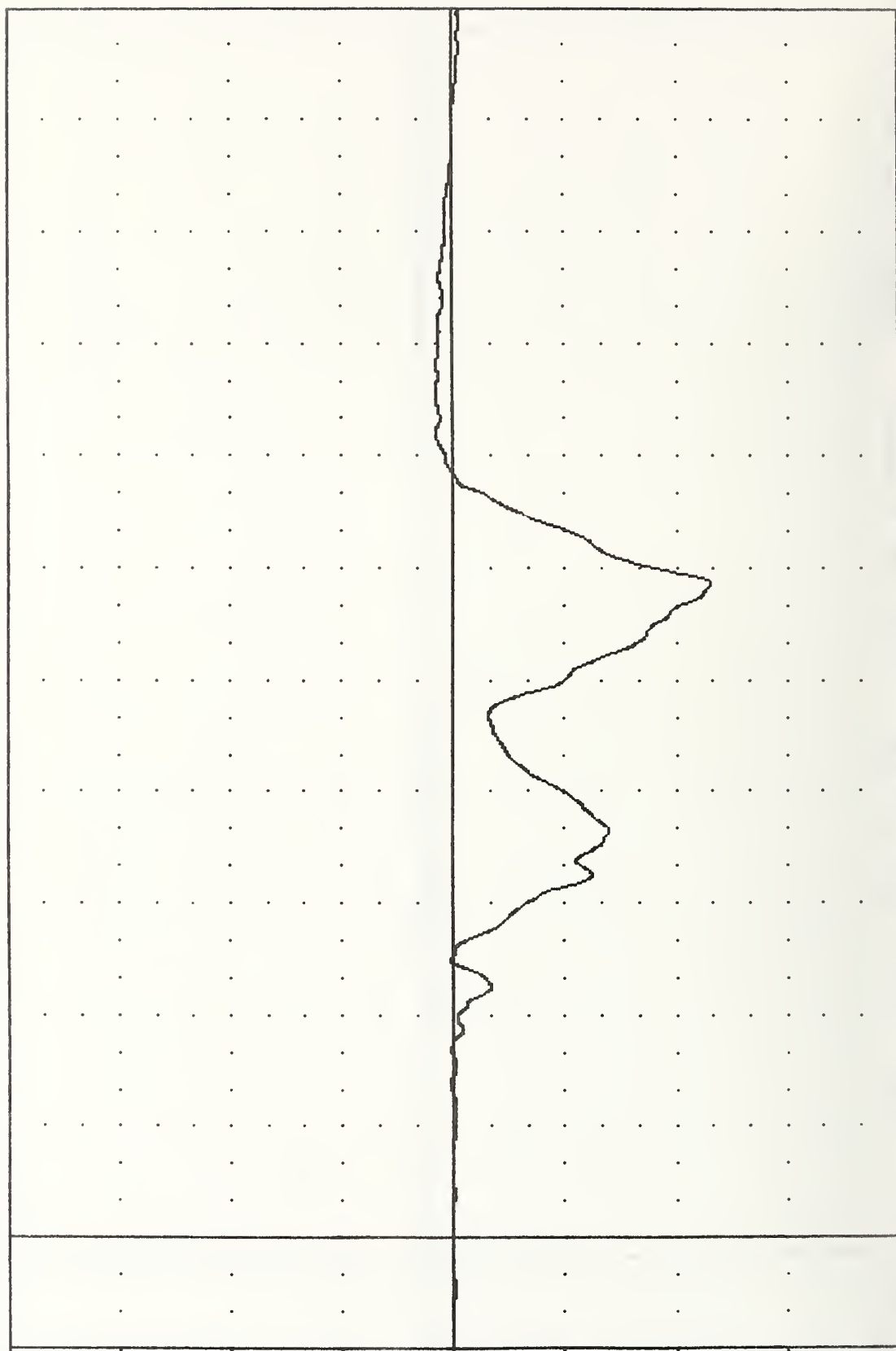
-50.00

-75.00

-100.00

ACCELERATION (G)

230



-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)

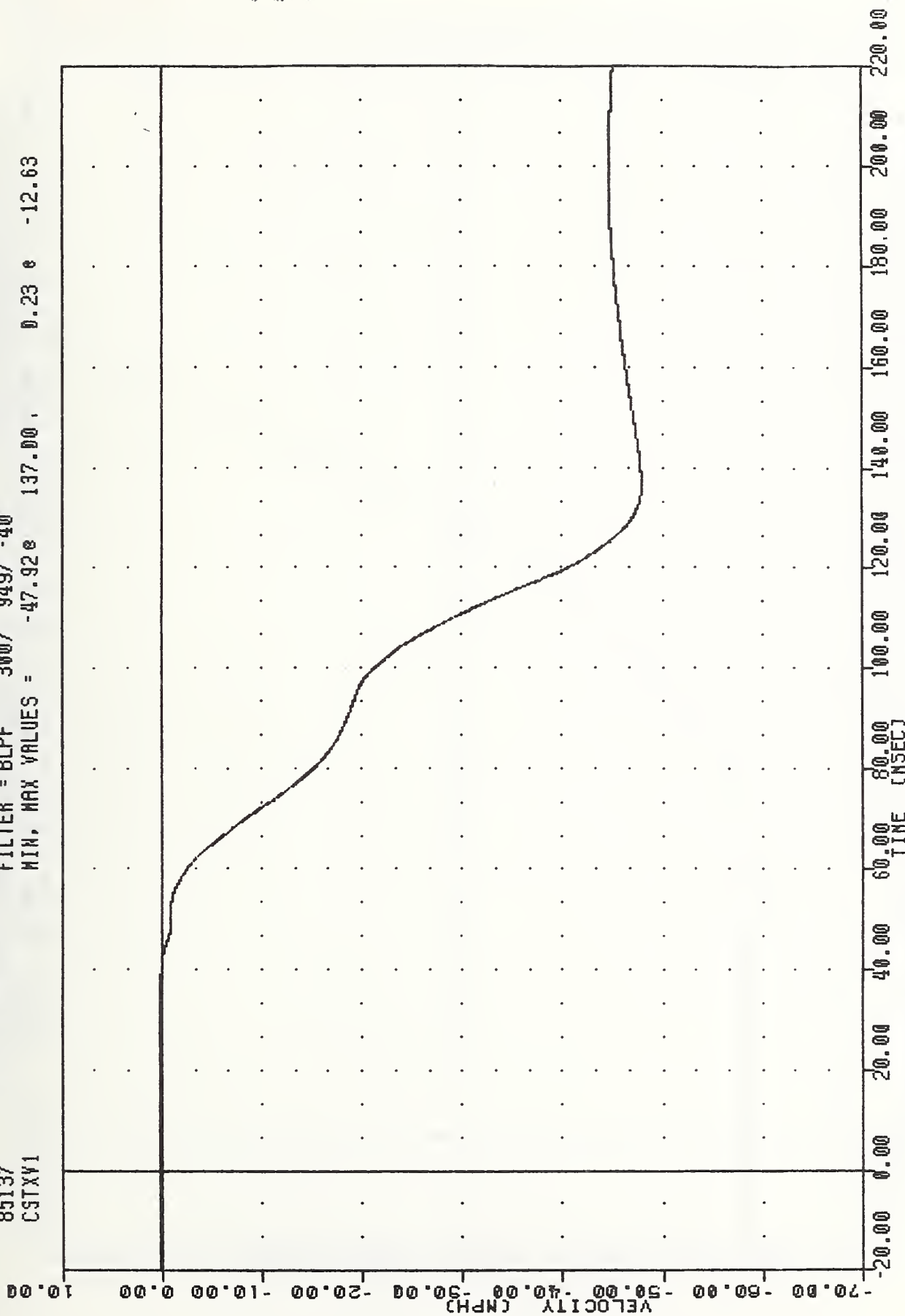
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

YATC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
CSTXV1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -47.92 e 137.00 , 0.23 e -12.63



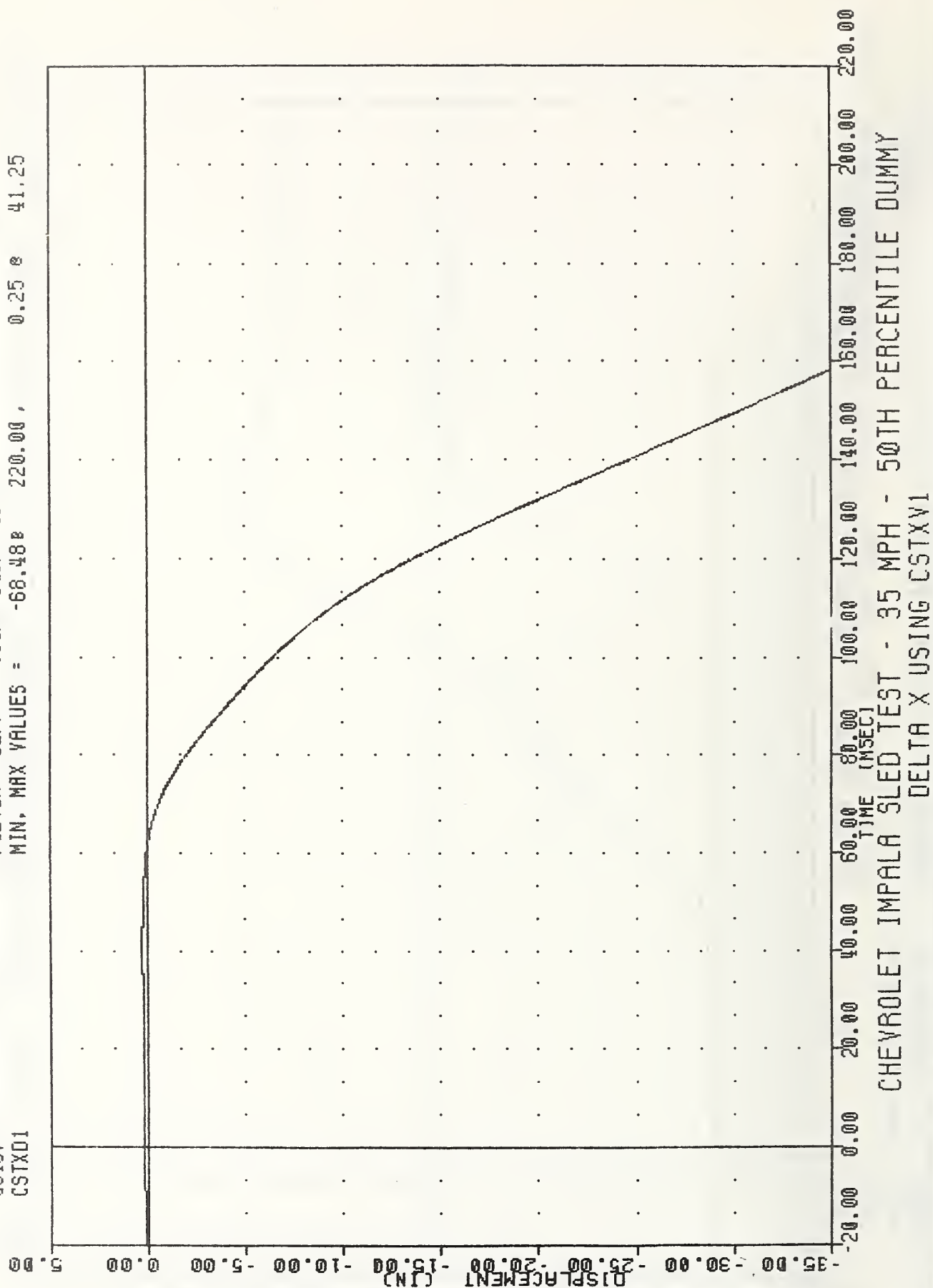
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA Y USING CSTXG1

VRTC
 BREED AIRBAG SLED PROGRAM
 85137
 CSTXD1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

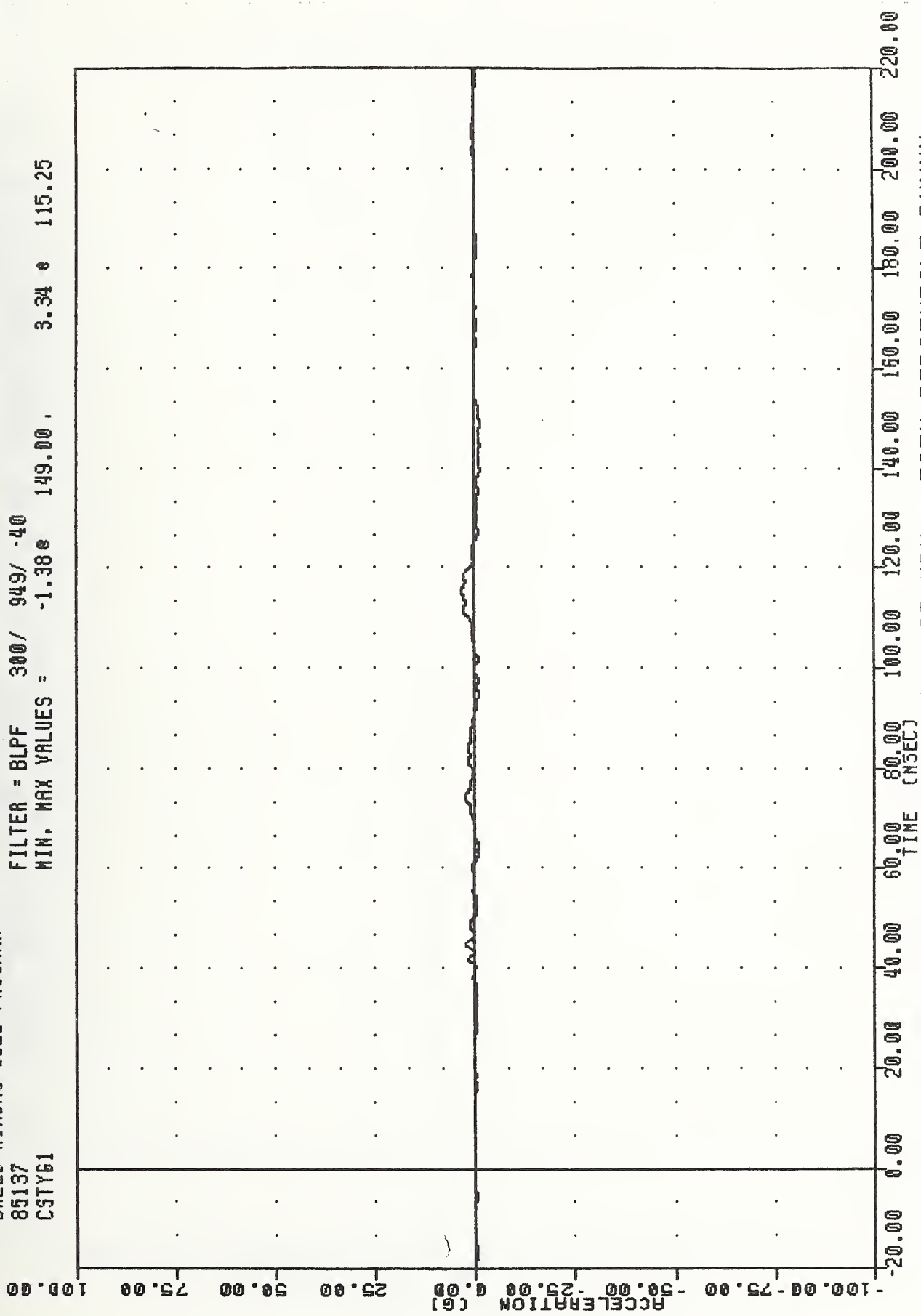
MIN, MAX VALUES = -68.48 220.00, 0.25 41.25



VATC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 CSTY61

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -1.38e 149.00, 3.34 e 115.25

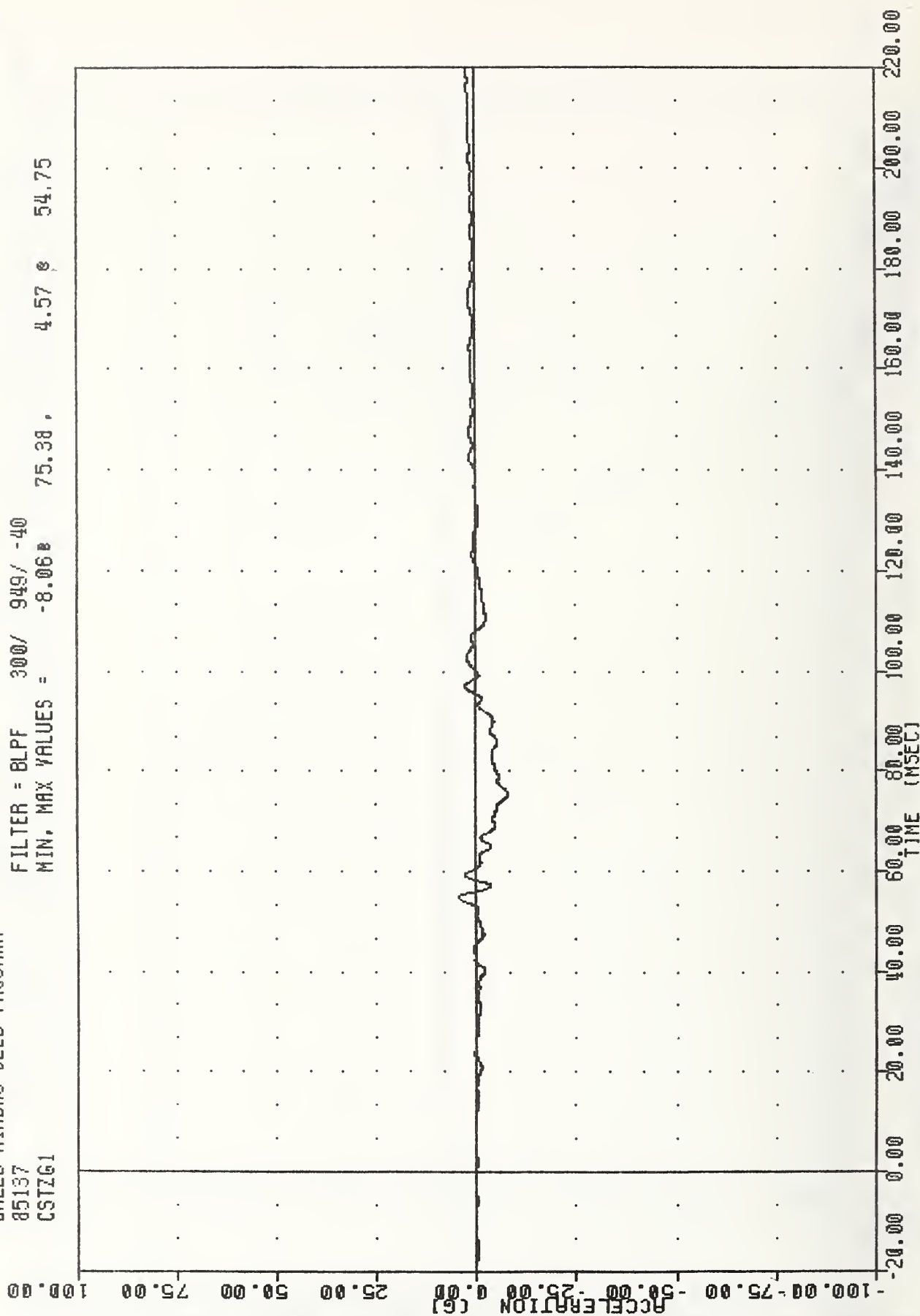


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 CSTZG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -8.06 75.38 4.57 54.75



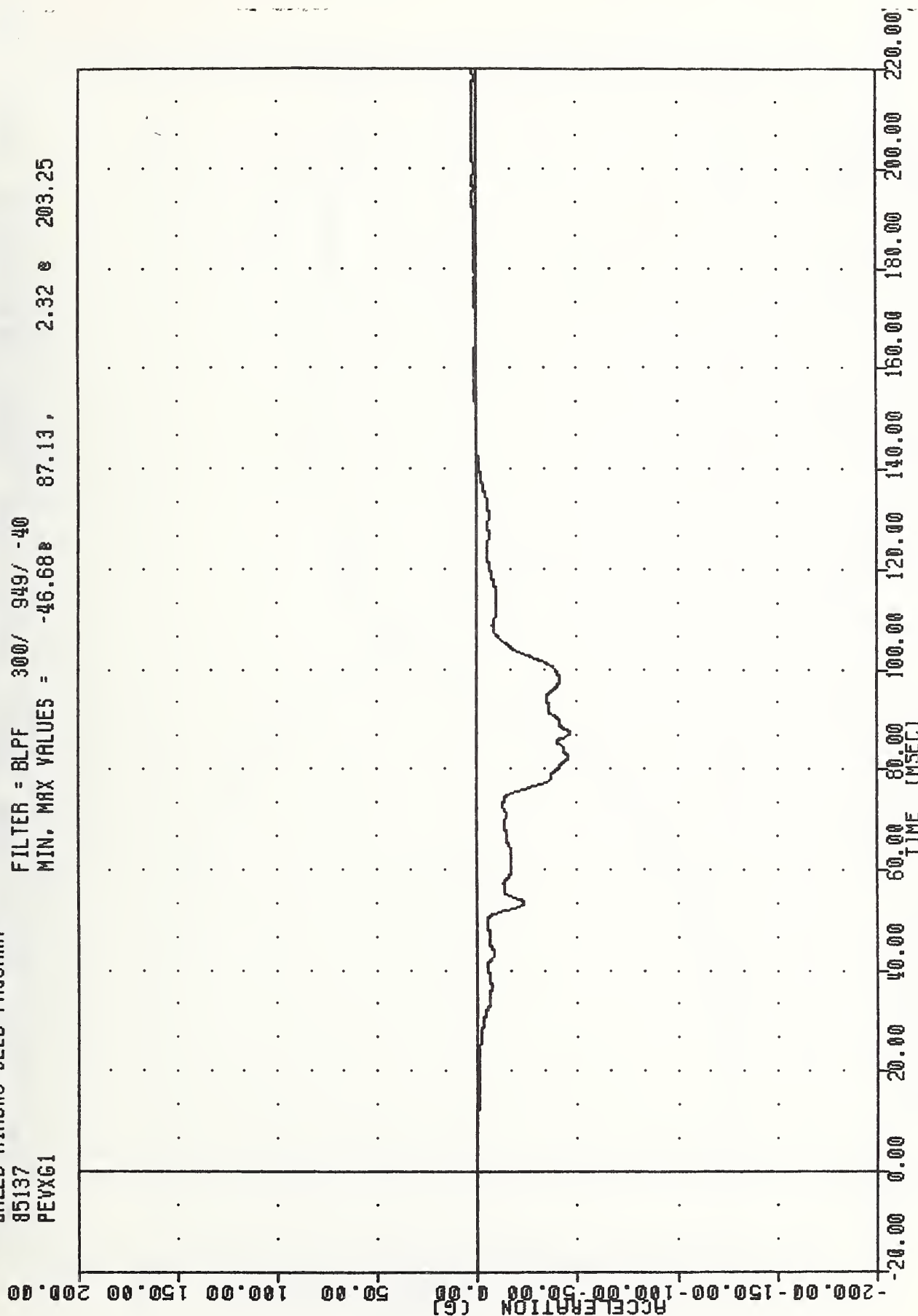
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
PEVXG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -46.68 87.13 , 2.32 203.25



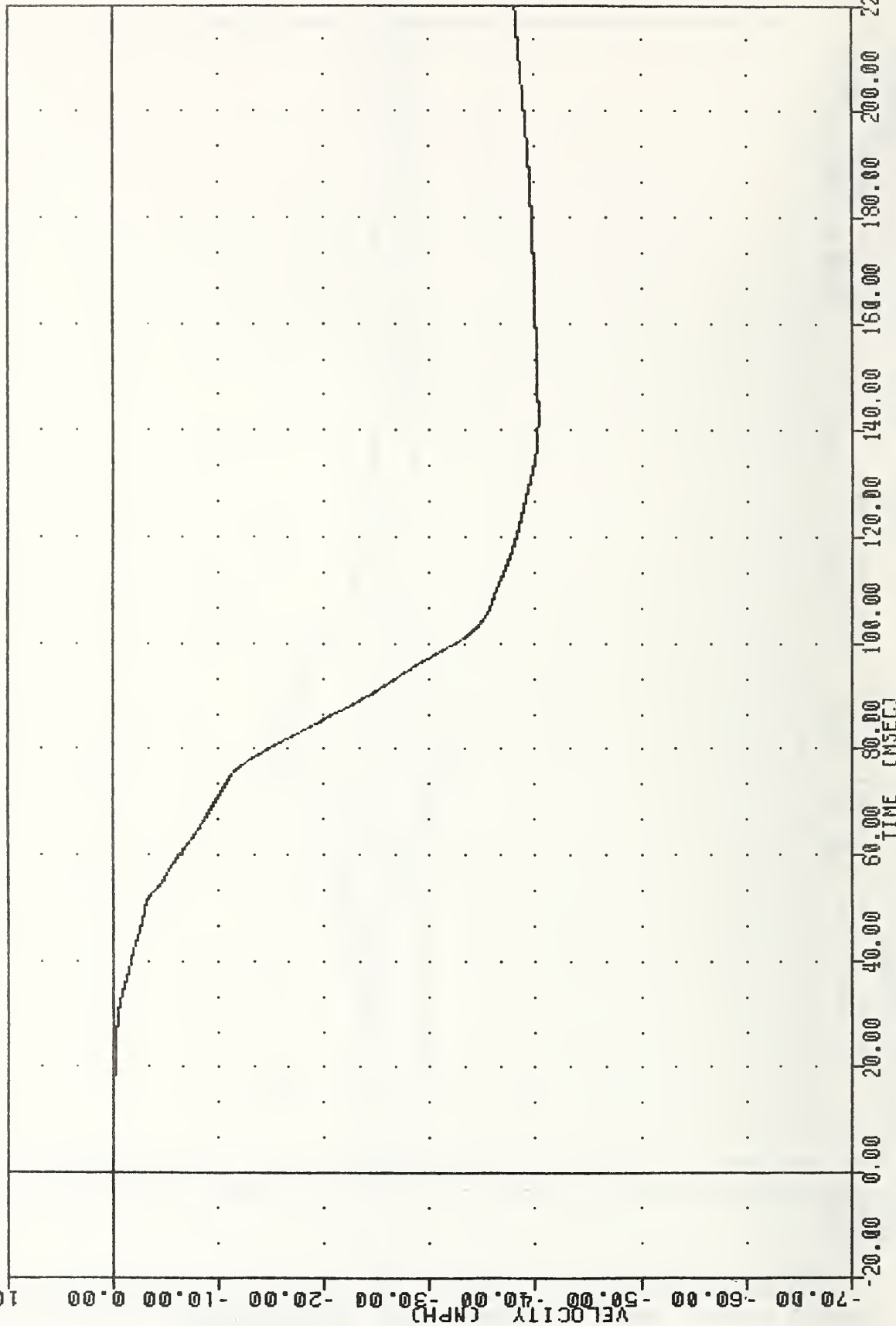
VRIC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 PEVXV1

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -40.26 142.75 , -0.04 8 -20.00

10.00



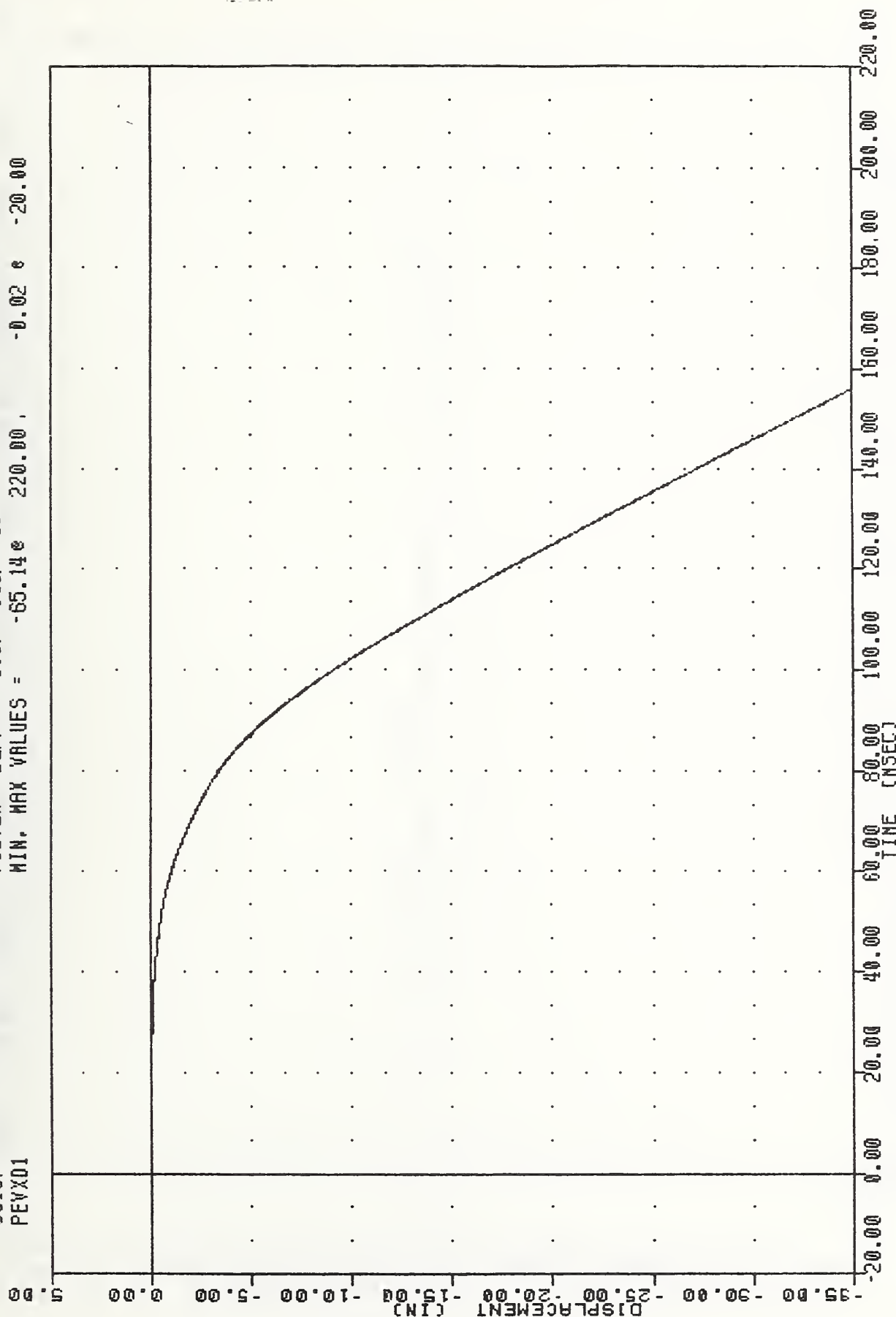
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VATC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
PEVX01

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

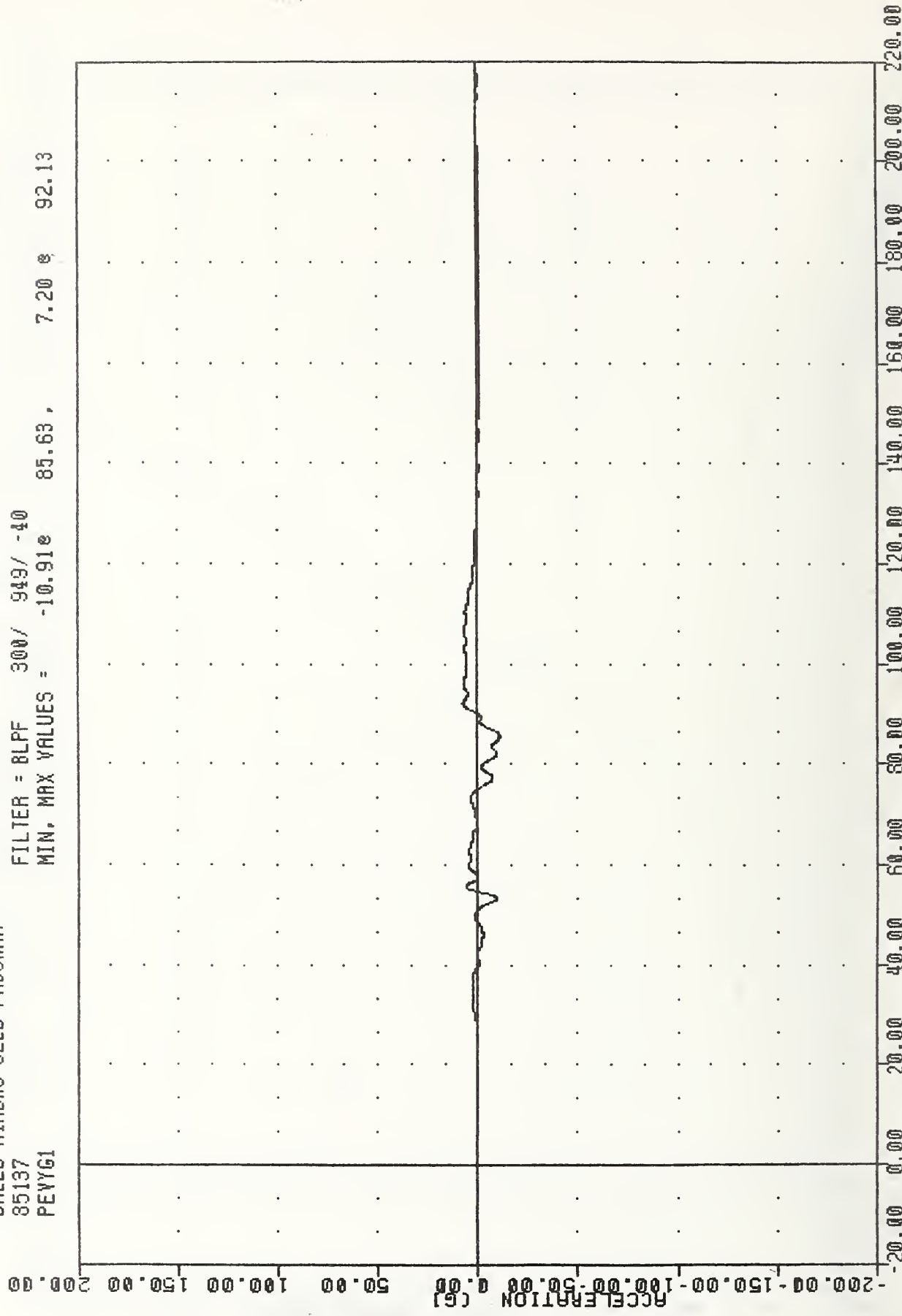
MIN. MAX VALUES = -65.14e 220.00 , -0.02 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING PEVXV1

VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 PEVYG1

PLOT DATE 20-MAY-85 15:50:49
 FILTER = 8LPF 300/ 949/ -40
 MIN. MAX VALUES = -10.91e 85.63, 7.20 e 92.13



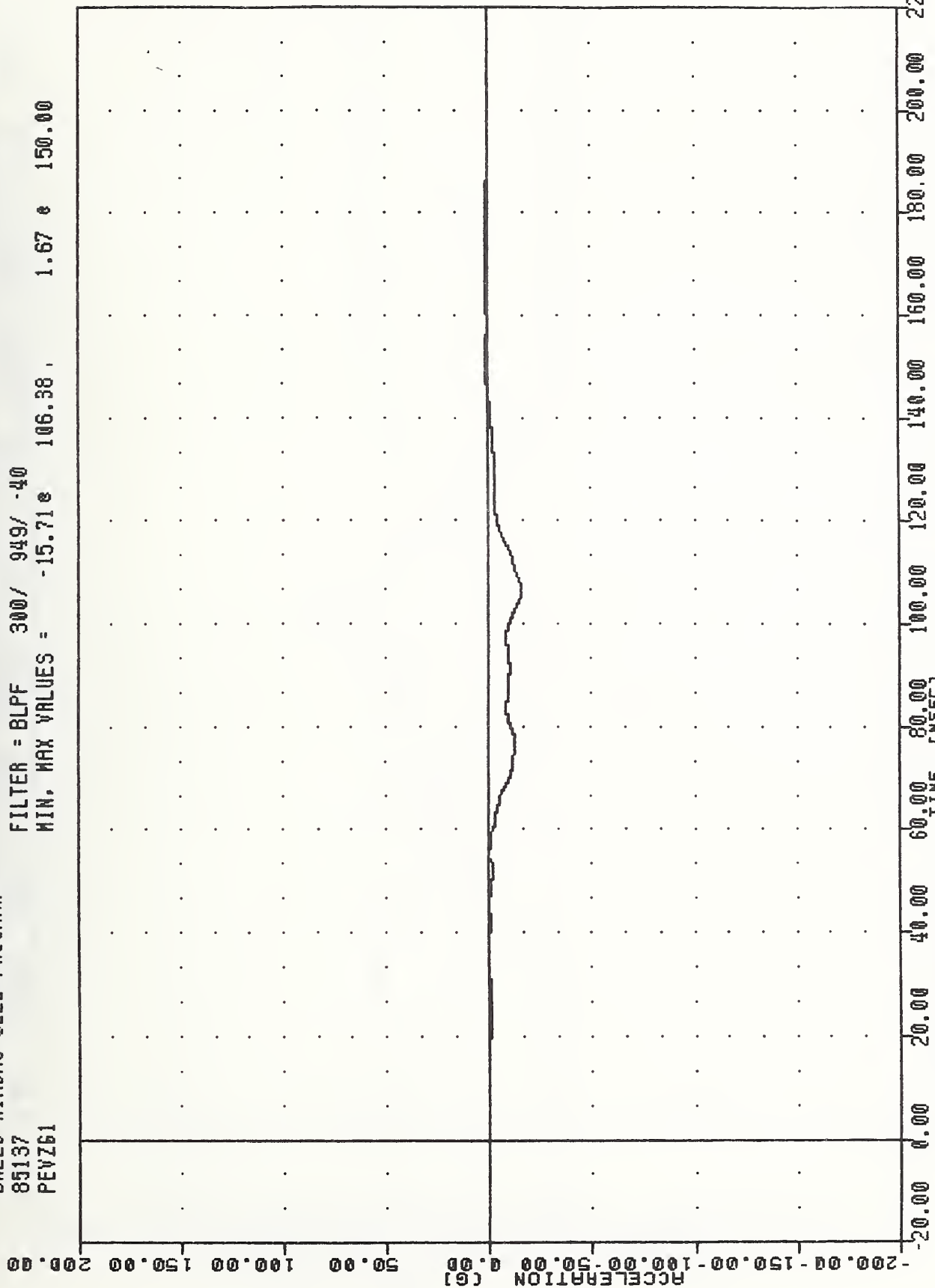
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
PEVZ61

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -15.71e 106.38, 1.67 e 150.00

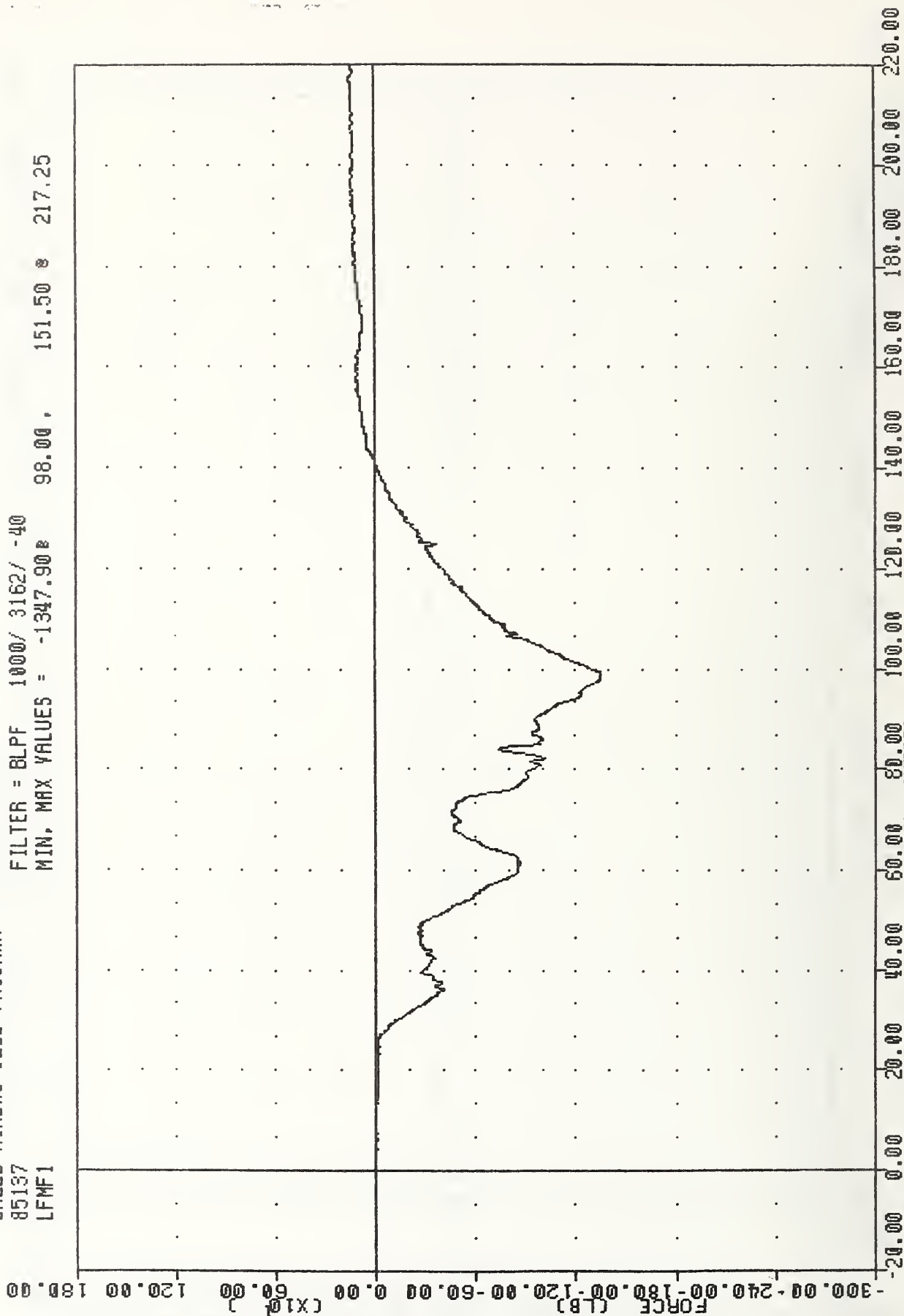


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
LFMF1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -1347.90 98.00 , 151.50 217.25



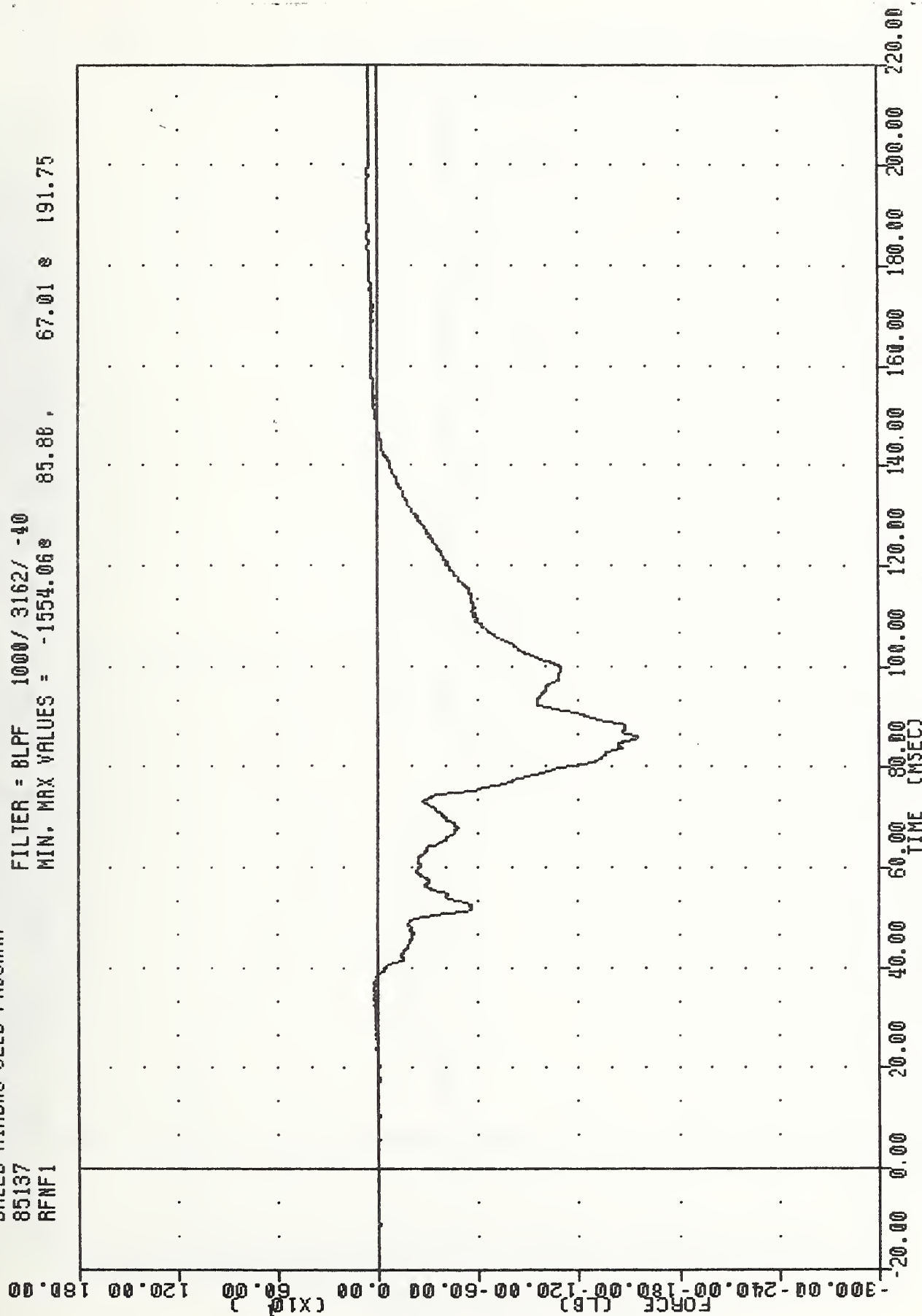
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRIC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
RFNF1

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -1554.06e 85.8e, 67.01 e 191.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

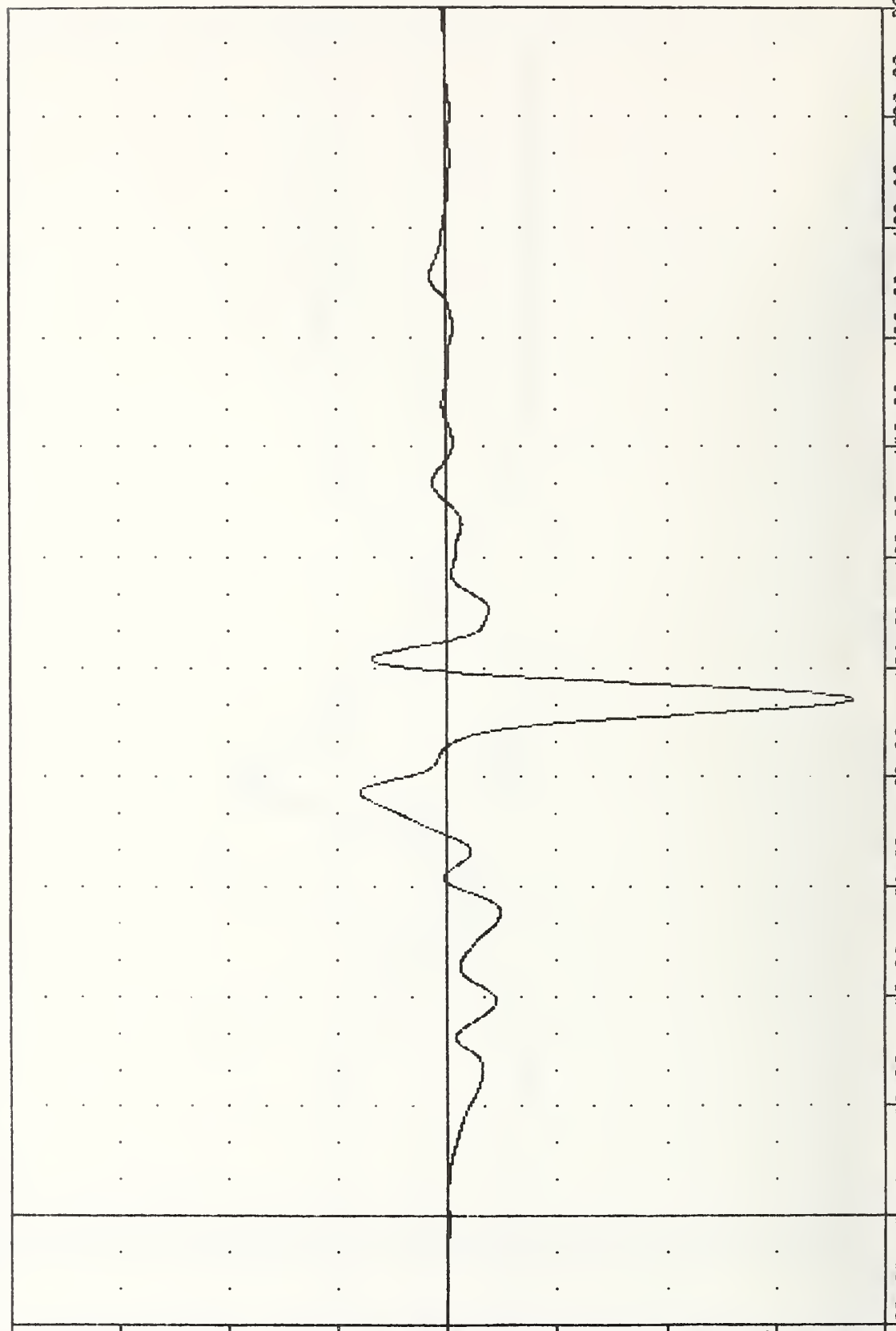
VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
STHFG

PLOT DATE 20-MAY-85 15:50:49

FILTER = 8LFF 100/ 316/ -40

MIN. MAX VALUES = -185.75e 94.25 , 40.00 8 77.25

ACCELERATION (G)



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

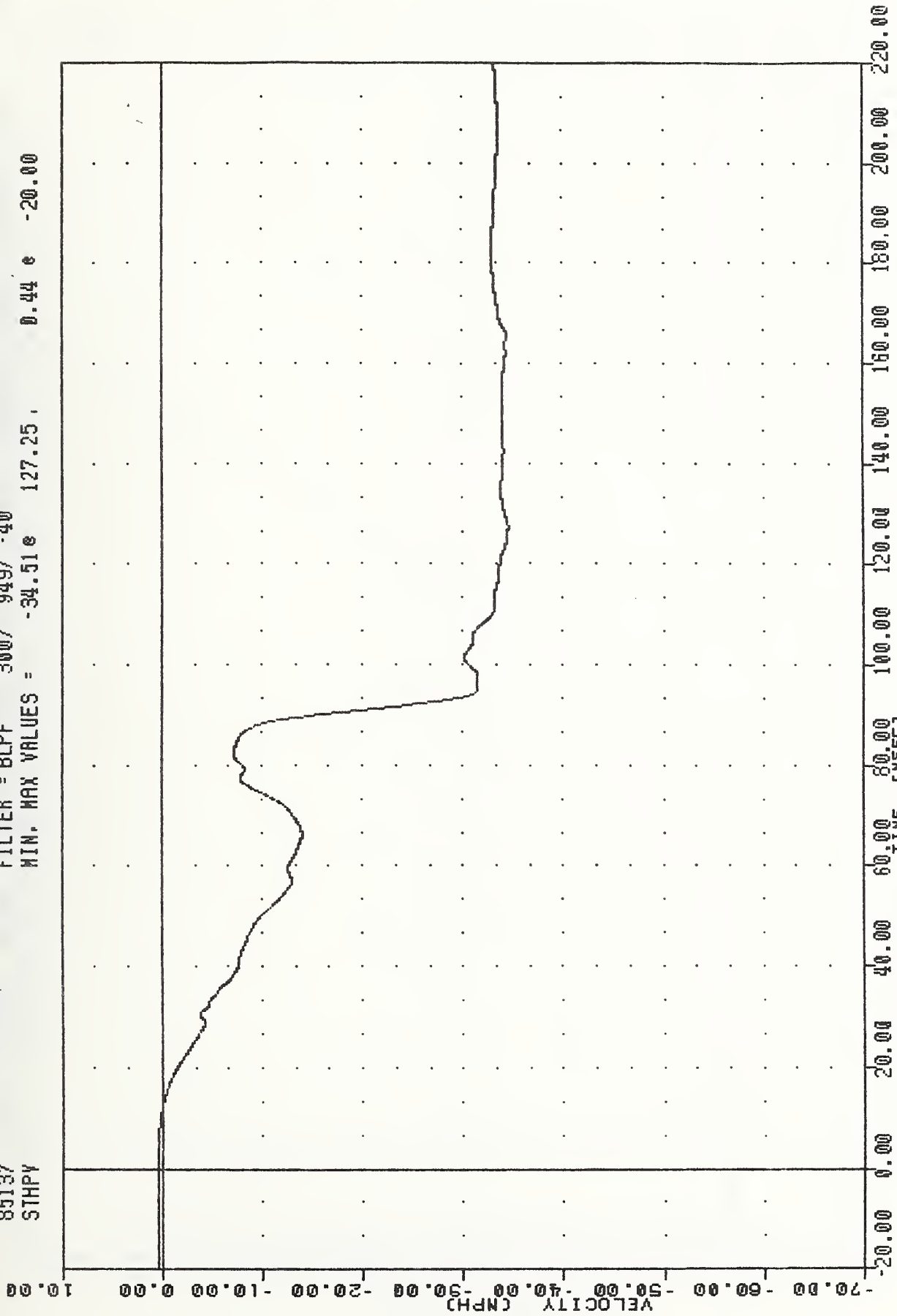
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VRATC RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
STHPV

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -34.51e 127.25 , 0.44 e -20.00



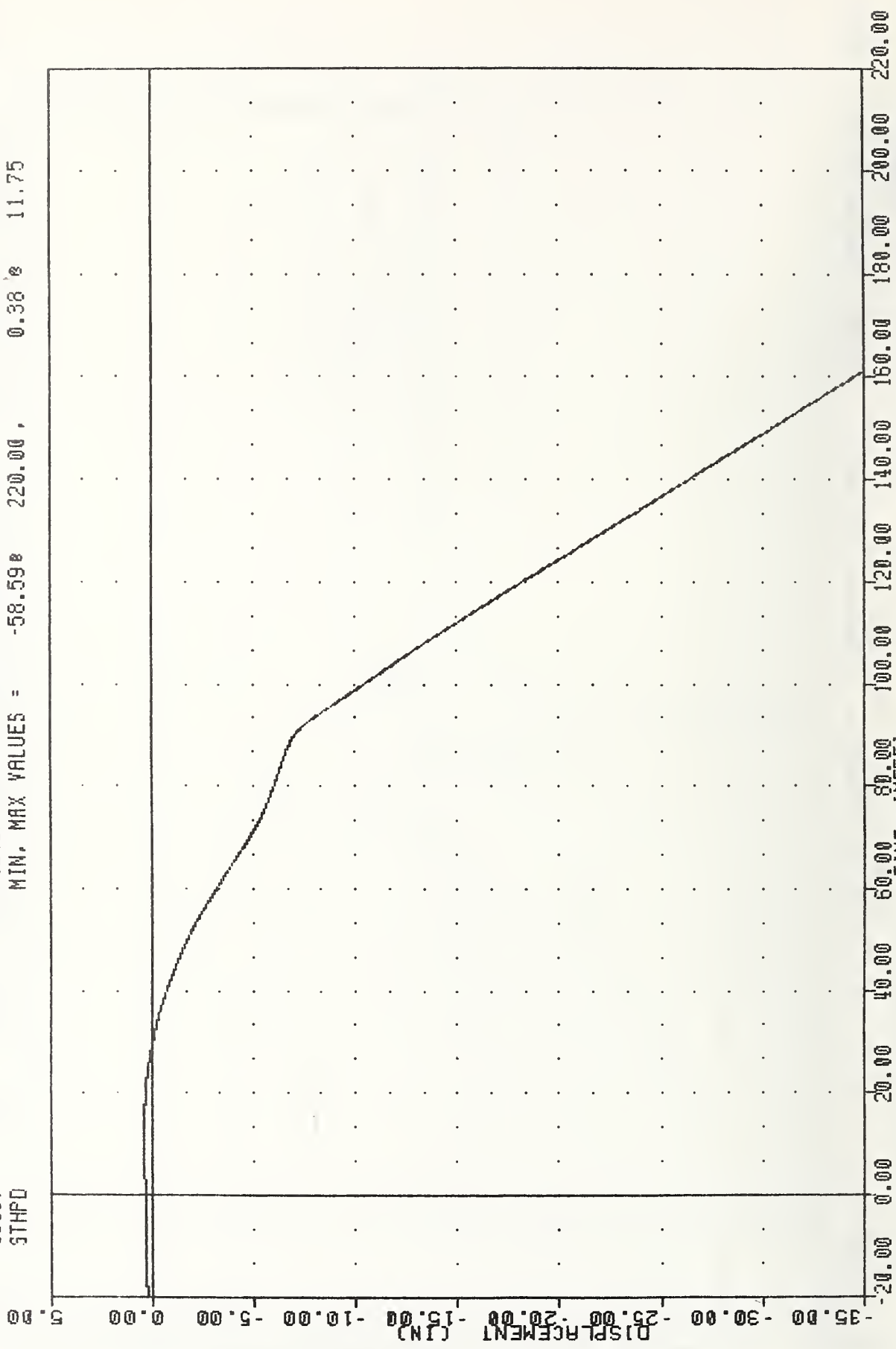
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING STHPG

VRTC
 BREED AIRBAG SLED PROGRAM
 85137
 STHPD

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -58.598 220.00, 0.38 11.75

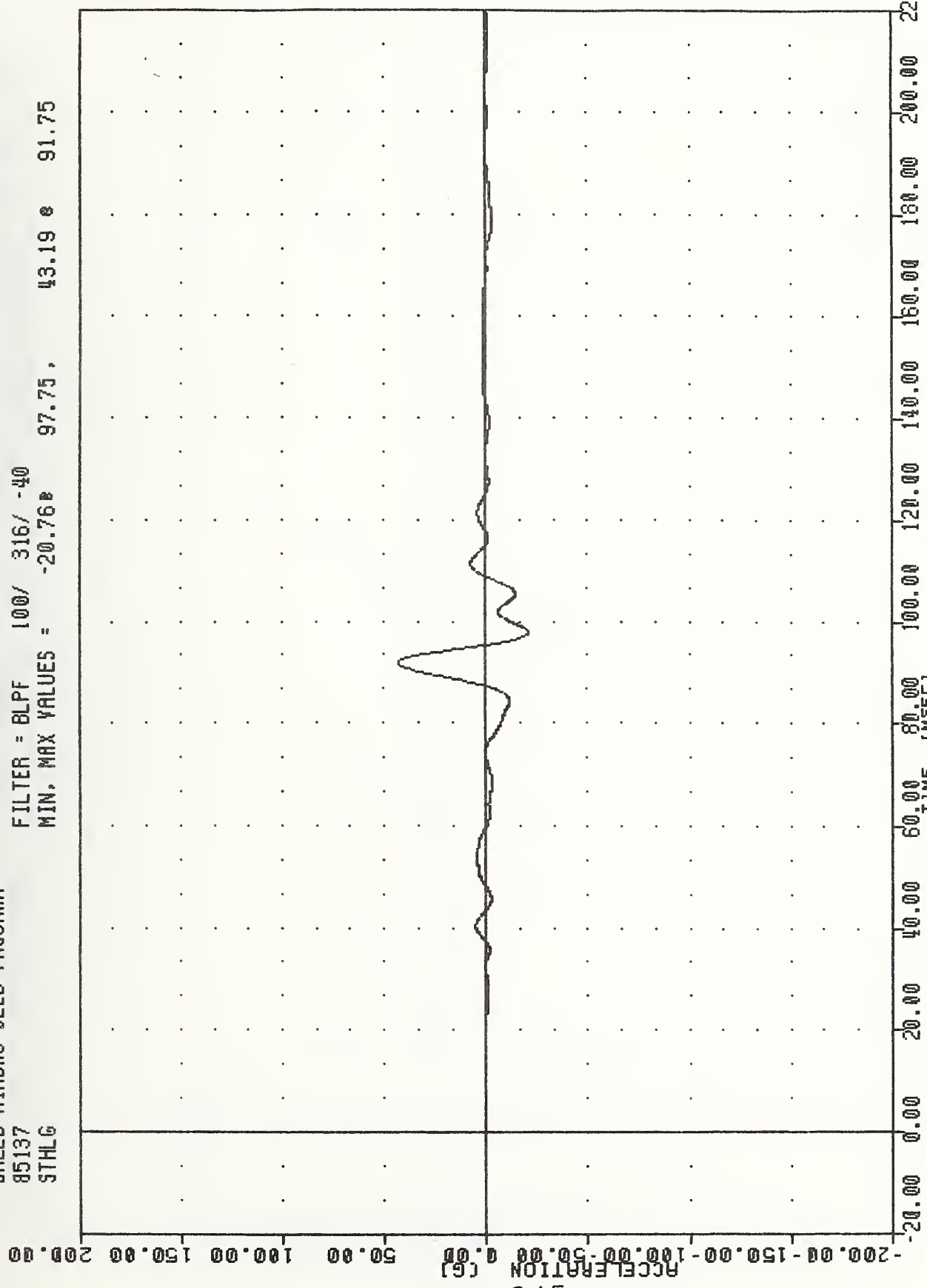


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING STHPV

VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 STHLG

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40
 MIN. MAX VALUES = -20.76e 97.75, 43.19 e 91.75



245

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION M-L AXIS

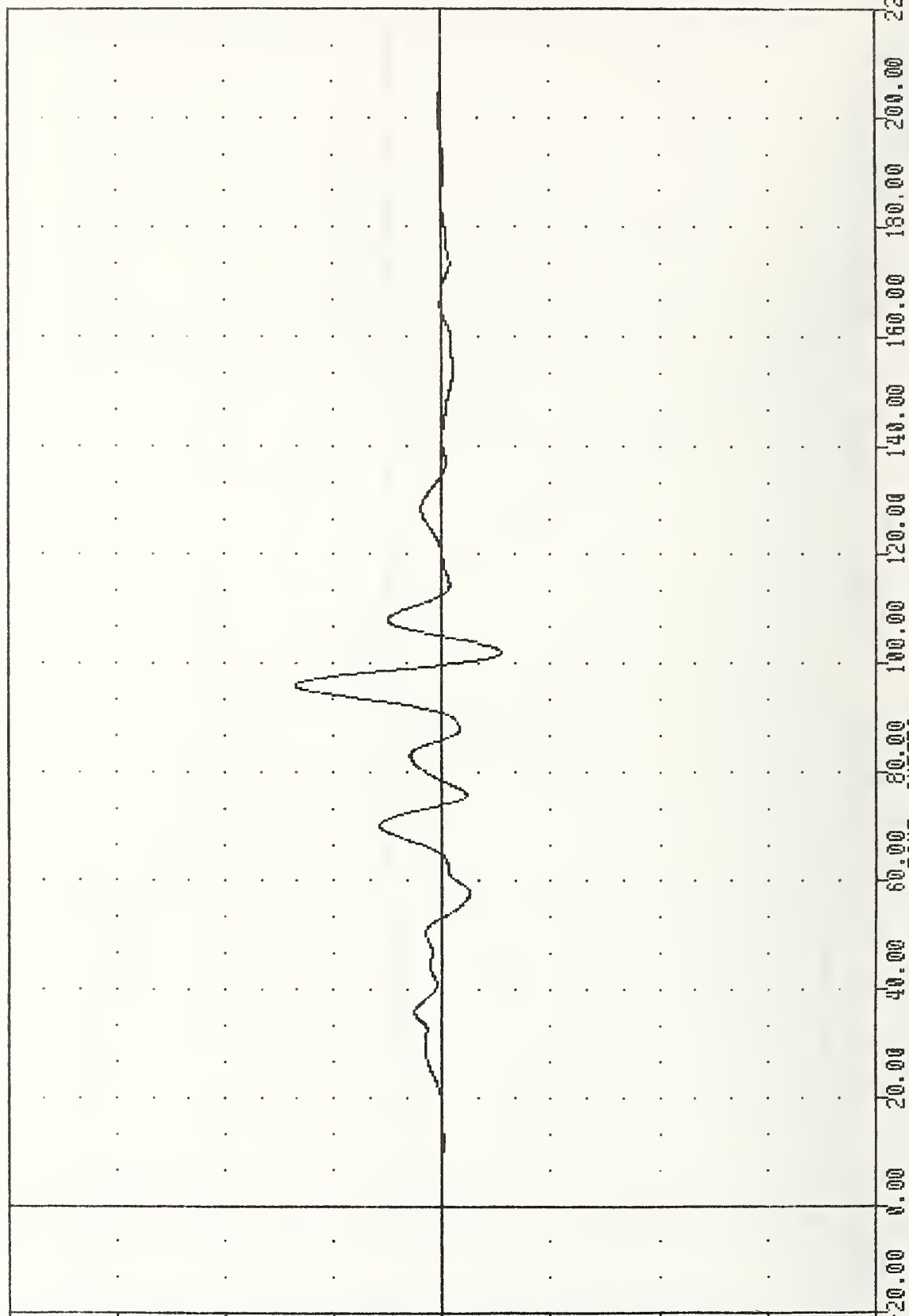
VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 STH16

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -27.30e 102.00 , 67.26 e 95.88

ACCELERATION [G]



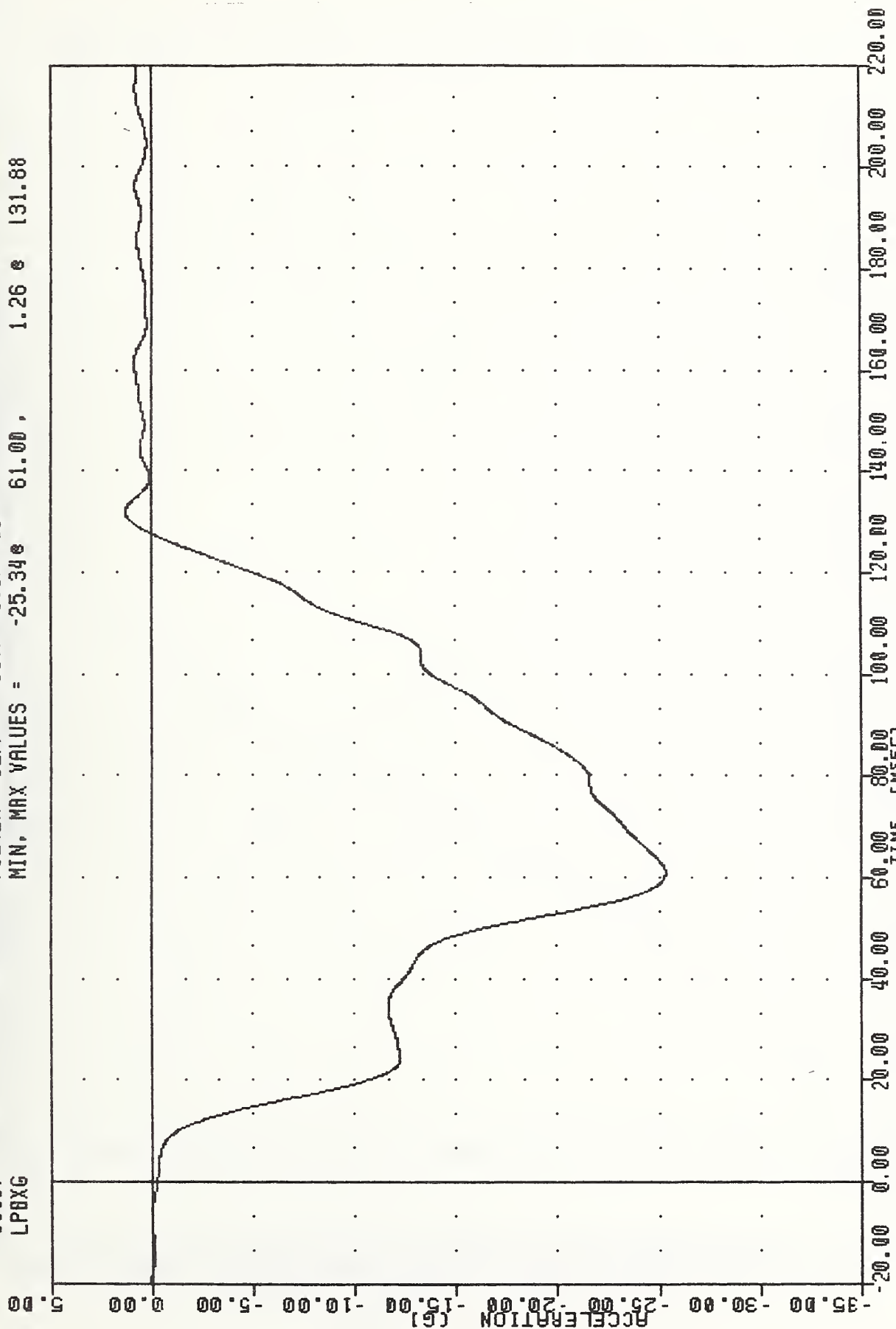
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85137
LPBXG

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.34 61.00 1.26 131.88



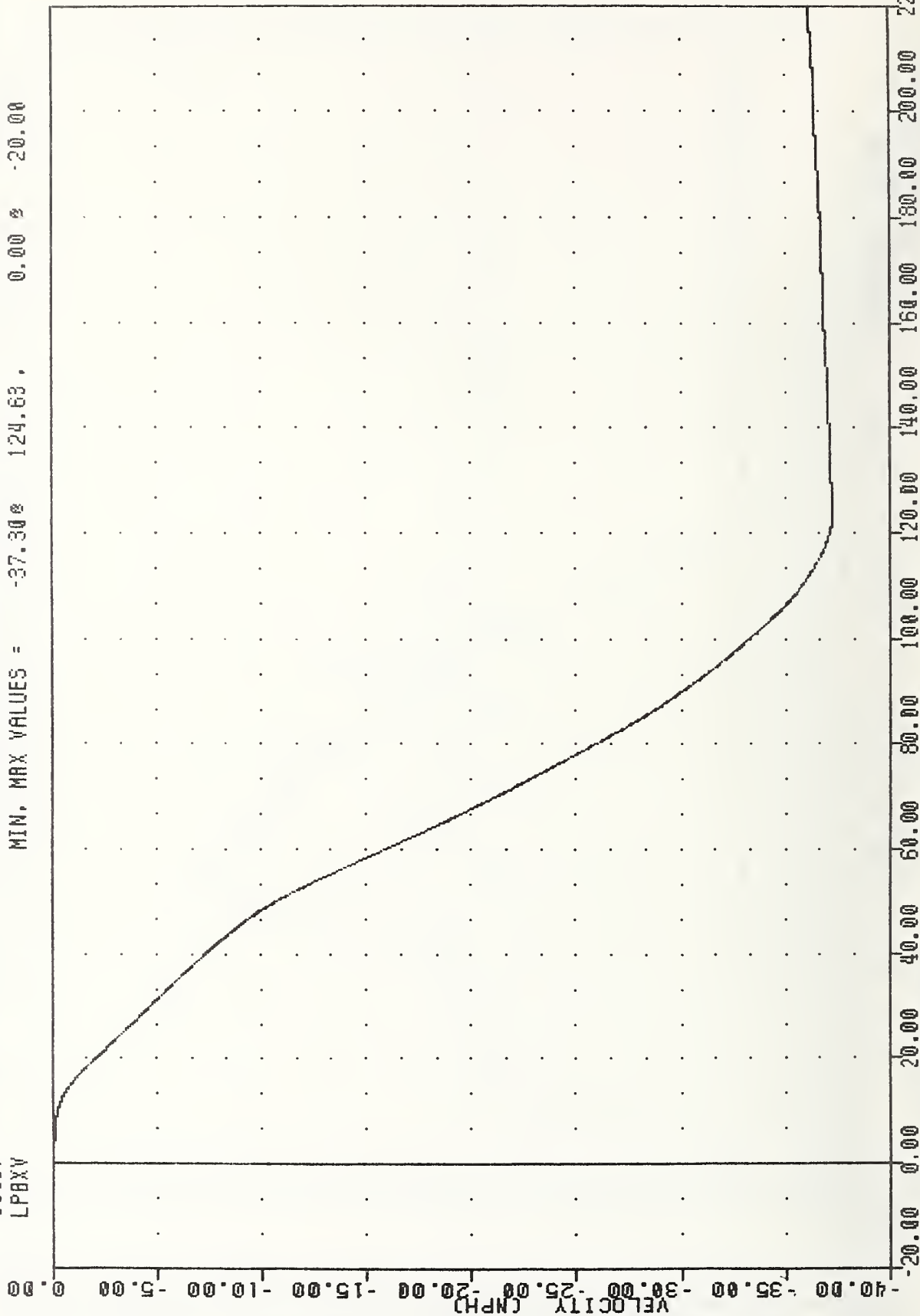
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRIC , R0384-4-34
BREED AIRBAG SLED PROGRAM
85137
LPBXV

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.30 124.63 0.00 0.00



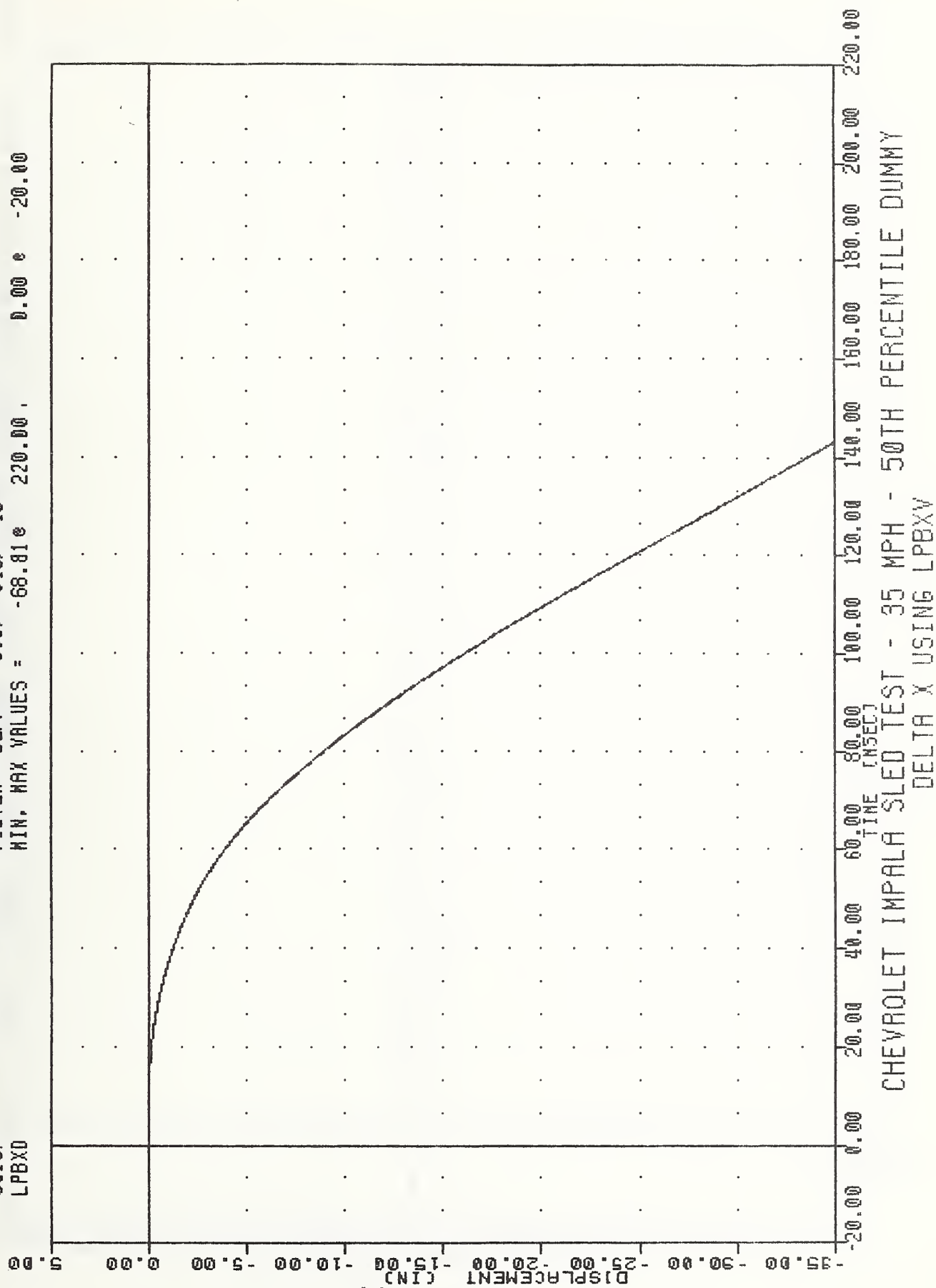
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VATC
BREED AIRBAG SLED PROGRAM
85137
LPBXD

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -68.81e 220.00 . 0.00 e -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

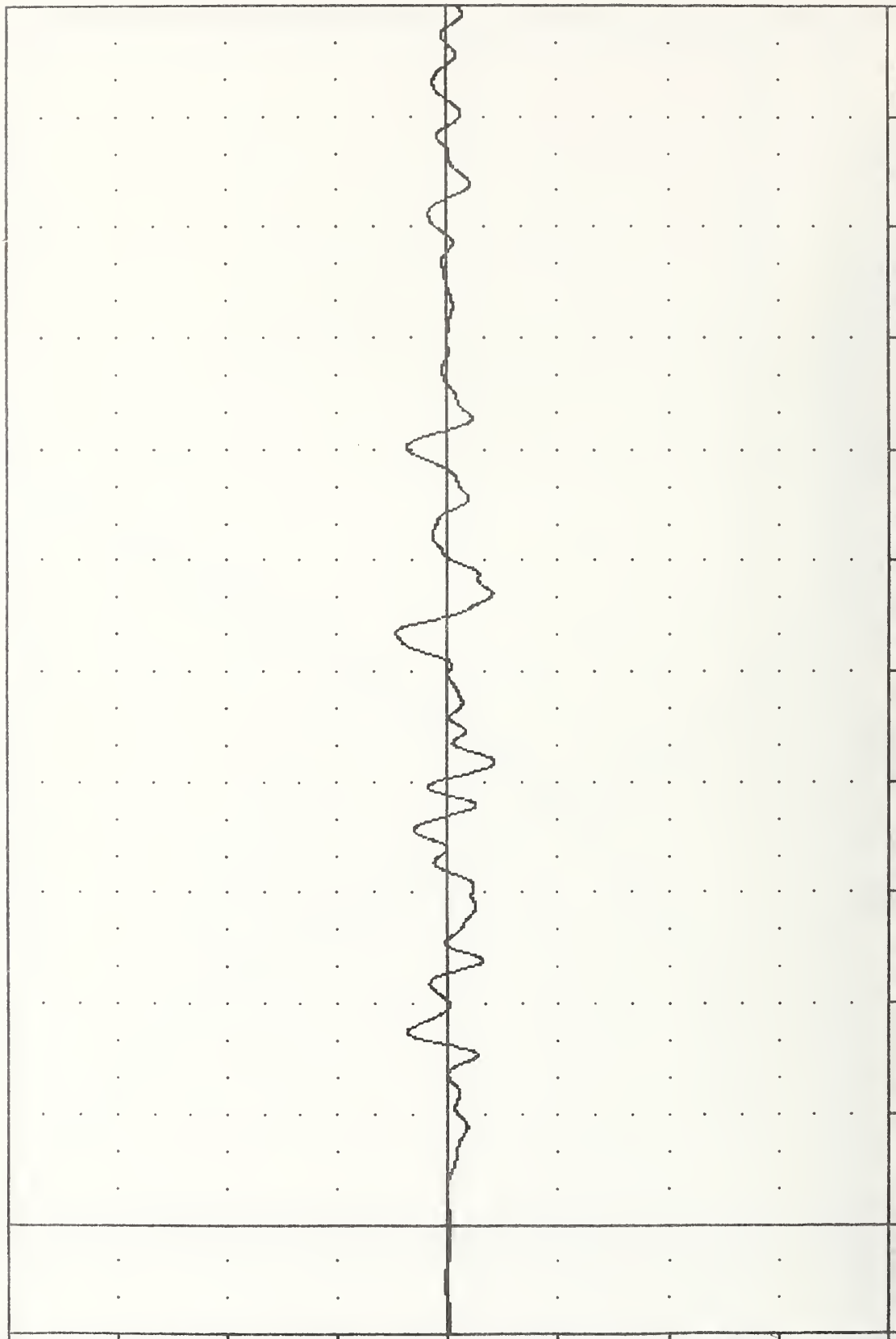
VRIC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
LPBY6

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.13e 83.63, 2.33 e 107.00

ACCELERATION (G)



20.00 15.00 10.00 5.00 0.00 -5.00 -10.00 -15.00 -20.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

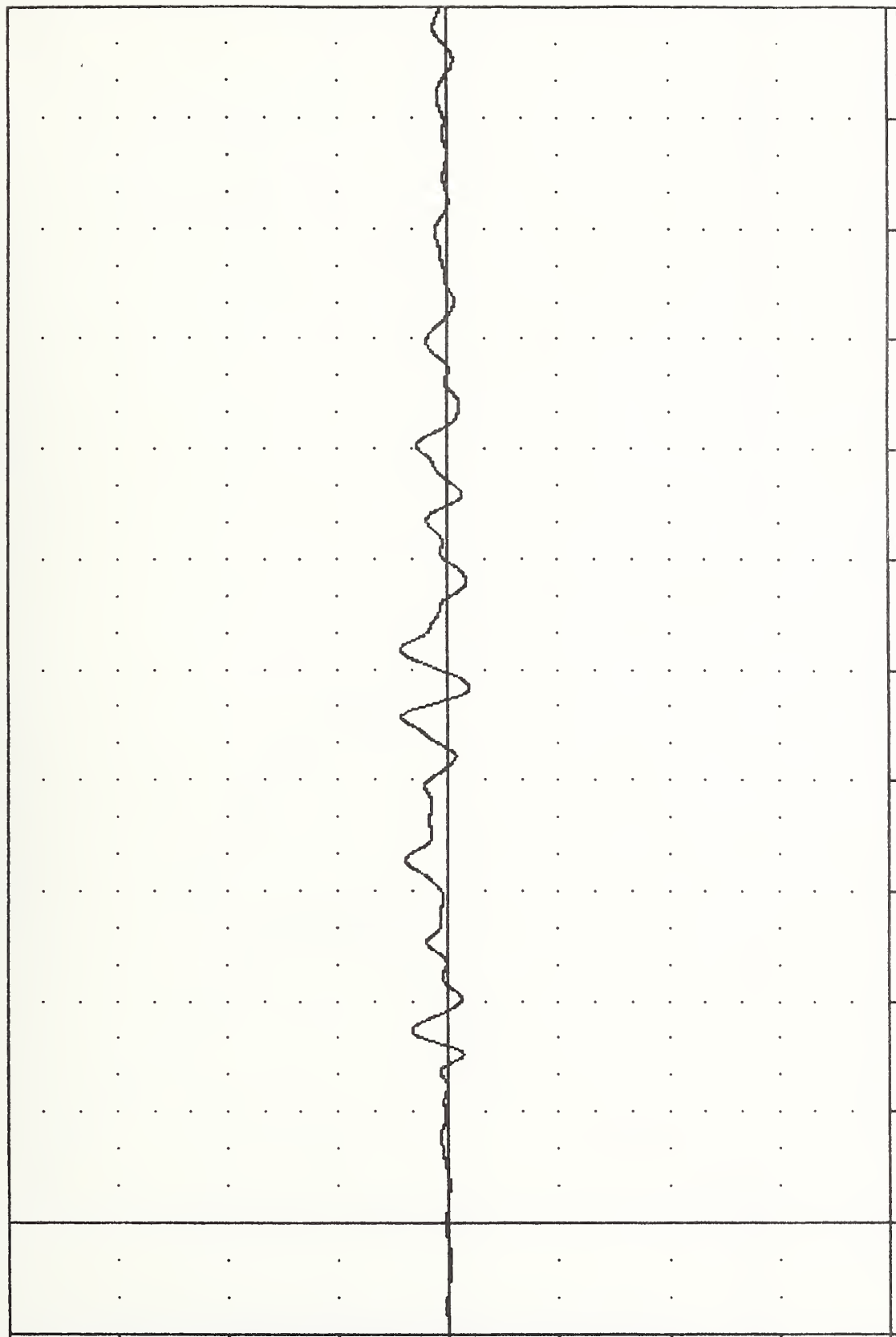
VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
LPBZG

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -0.95B 96.63, 2.14 e 103.50

ACCELERATION (G)



TIME (MSEC)

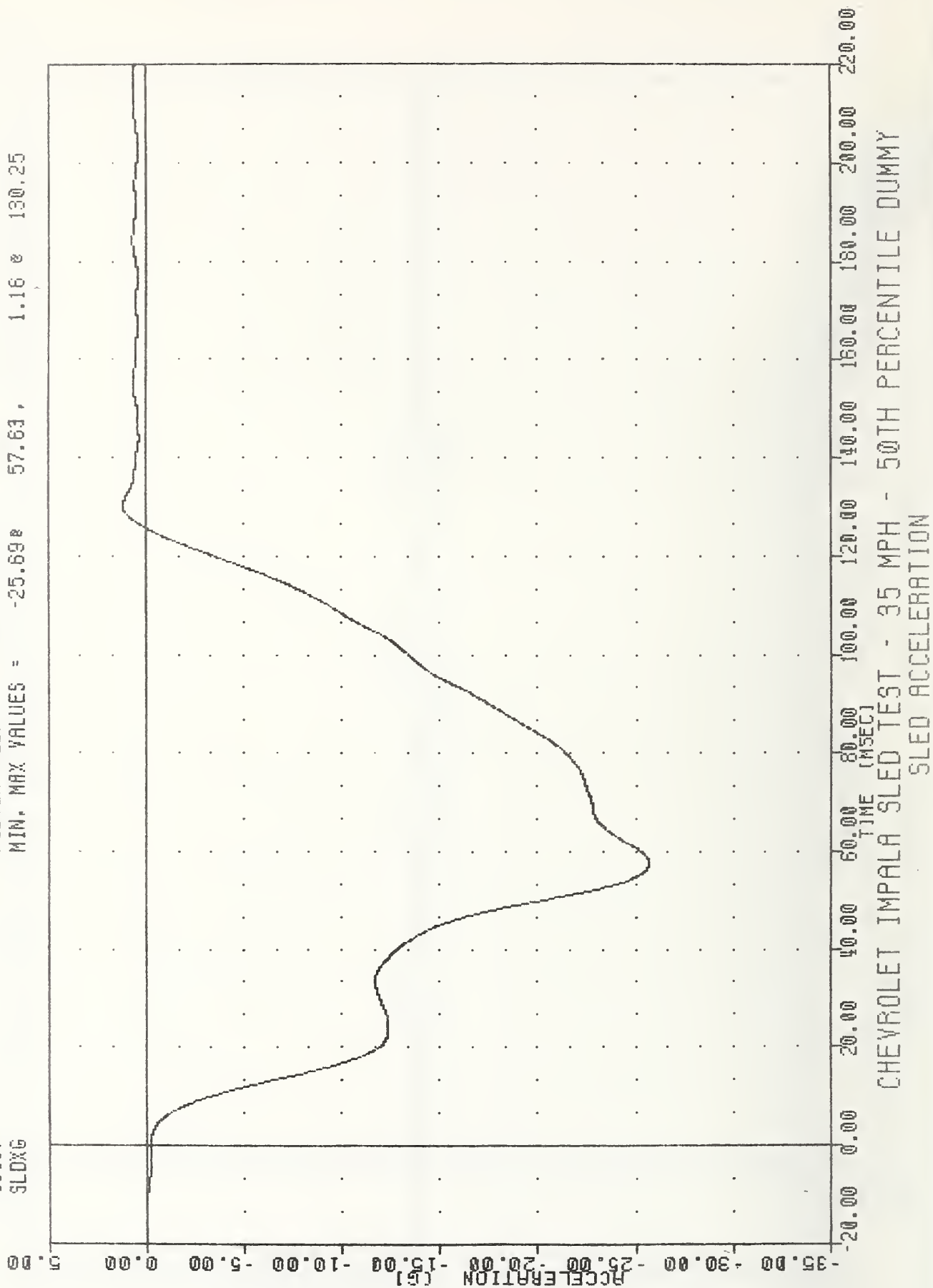
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-A-34
BRAED AIRBAG SLED PROGRAM
85137
SLOXG

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.69g 57.63, 1.16 g 130.25



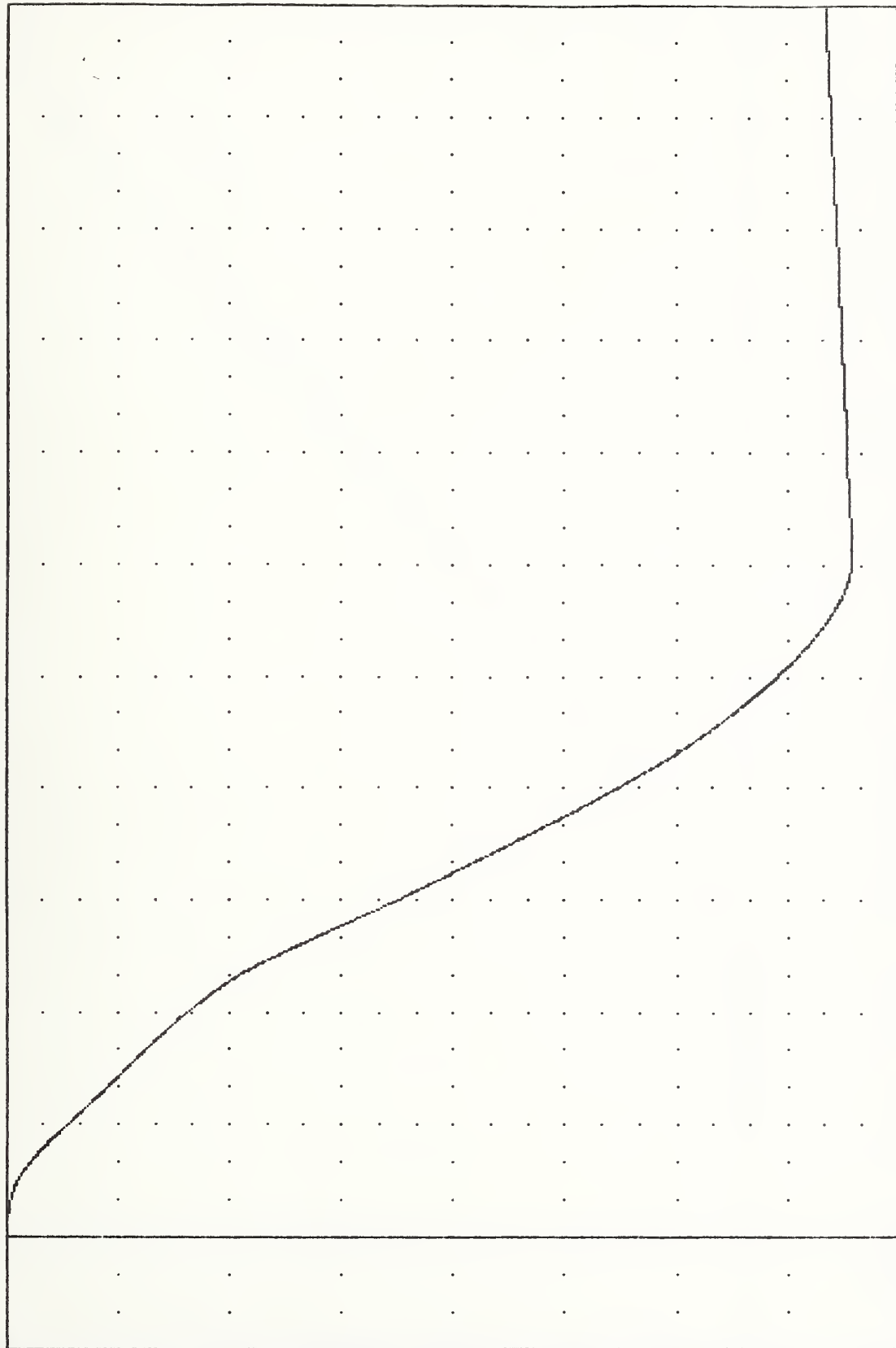
VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
SLOXVI

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.95 123.13 , 0.04 8 -16.38

VELOCITY (MPH)



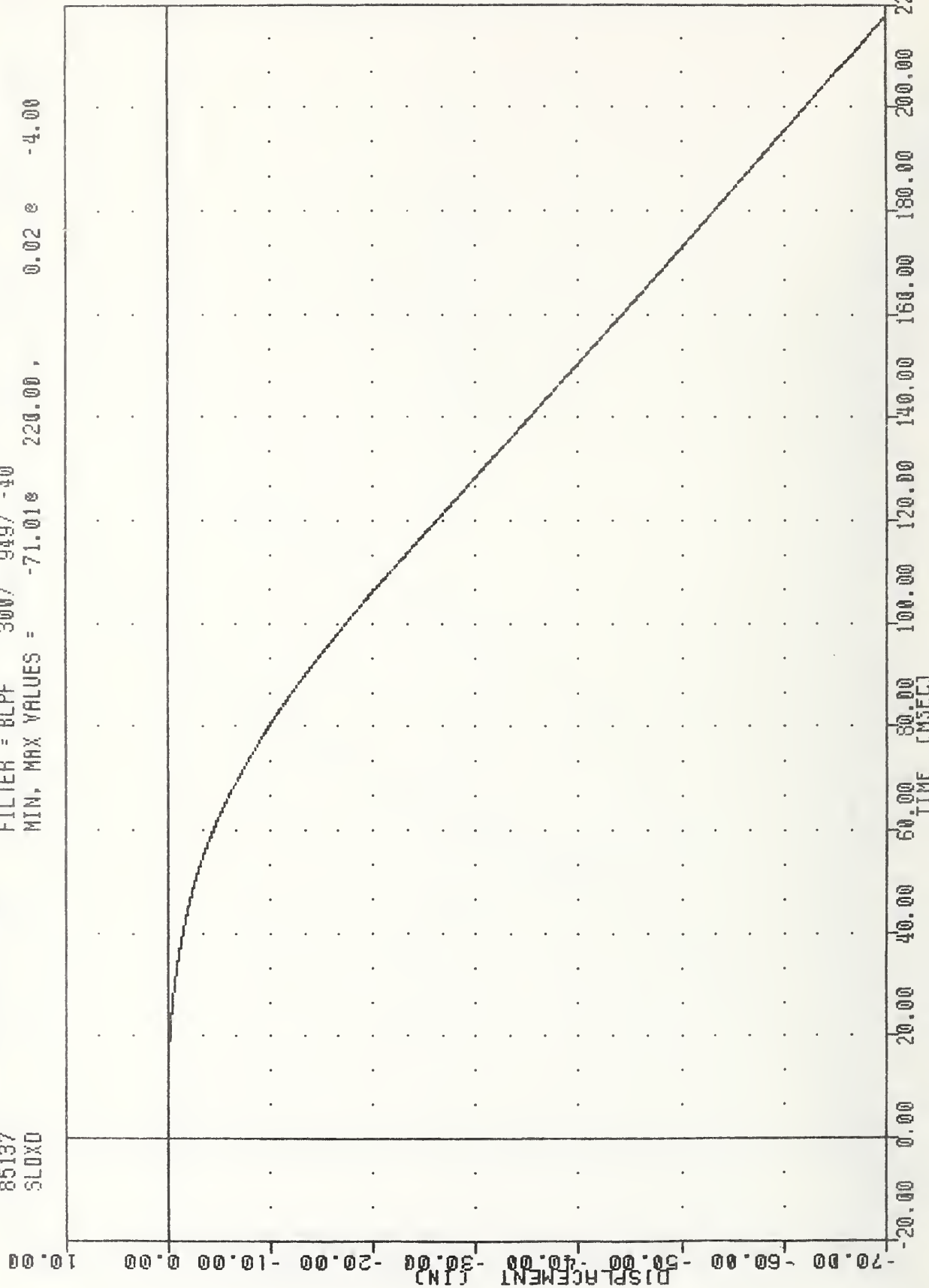
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRIC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
SLOXD

PLOT DATE 21-MAY-85 08:36:48

FILTER = BLPF 300/ 949/ -10

MIN, MAX VALUES = -71.018 220.00 , 0.02 e -4.00



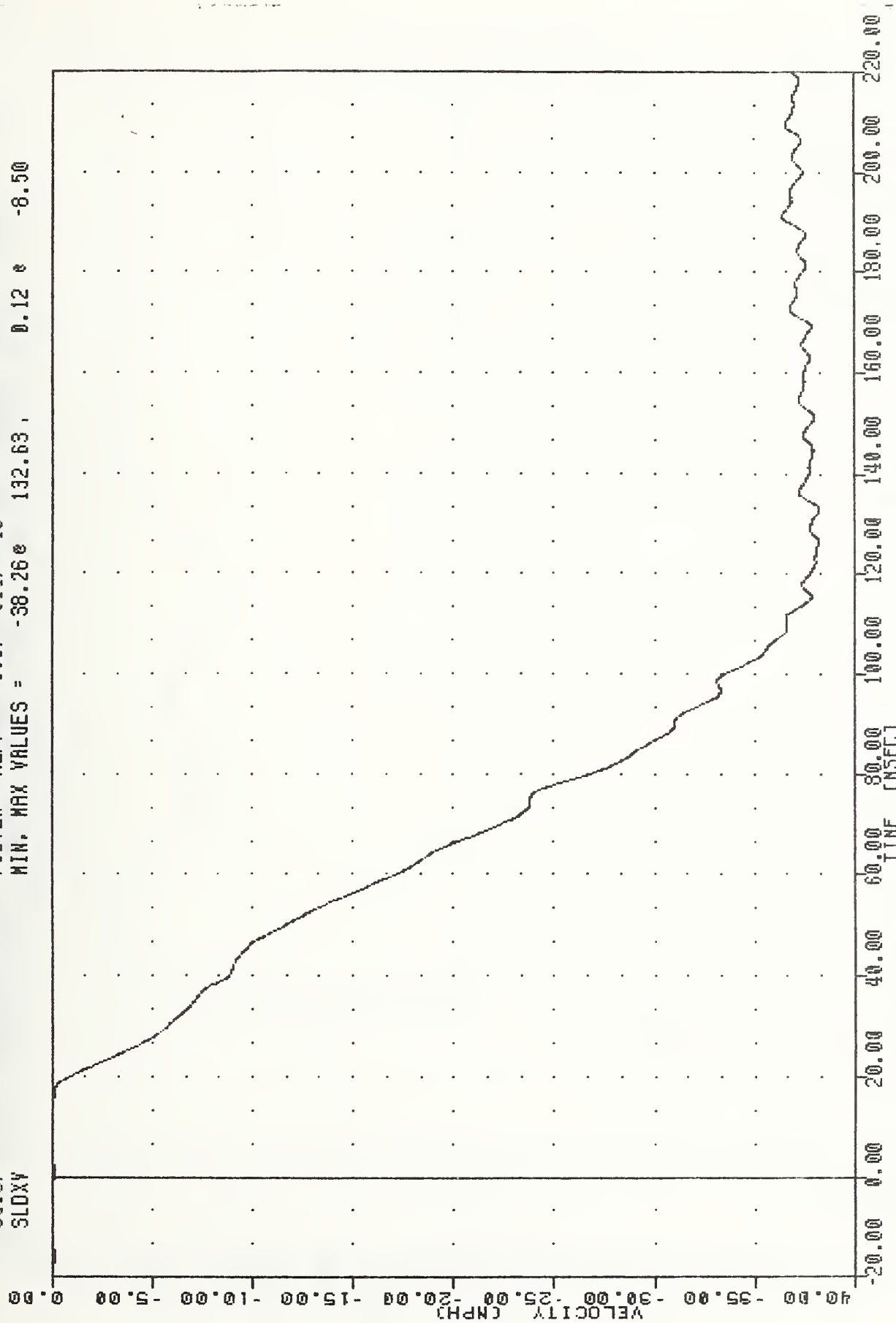
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLDXVI

VATC
BREED AIRBAG SLED PROGRAM
85137
SLDXV

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -38.26 132.63 , 0.12 -8.50

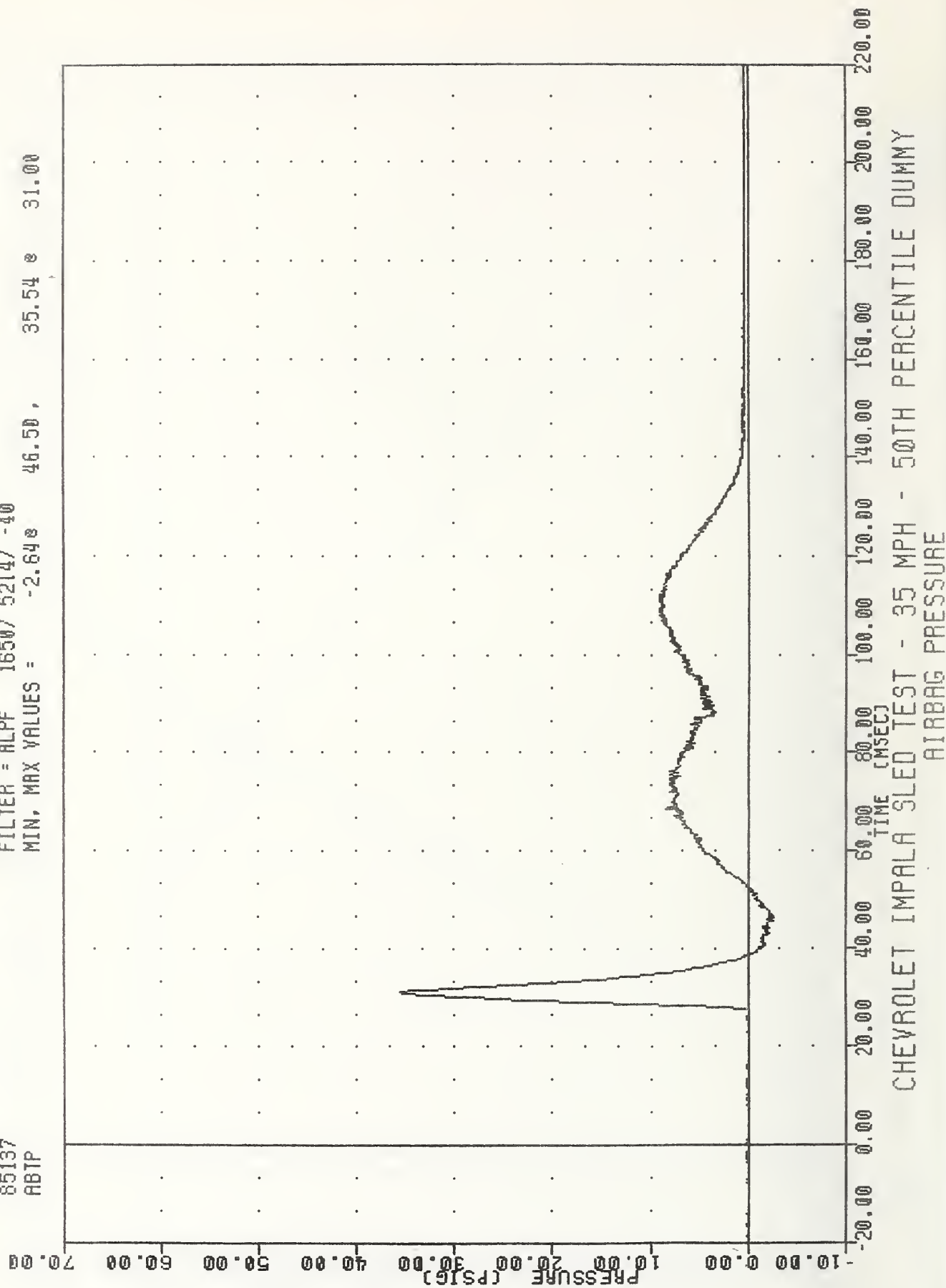


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 ABTP

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -2.648 46.50, 35.54 @ 31.00

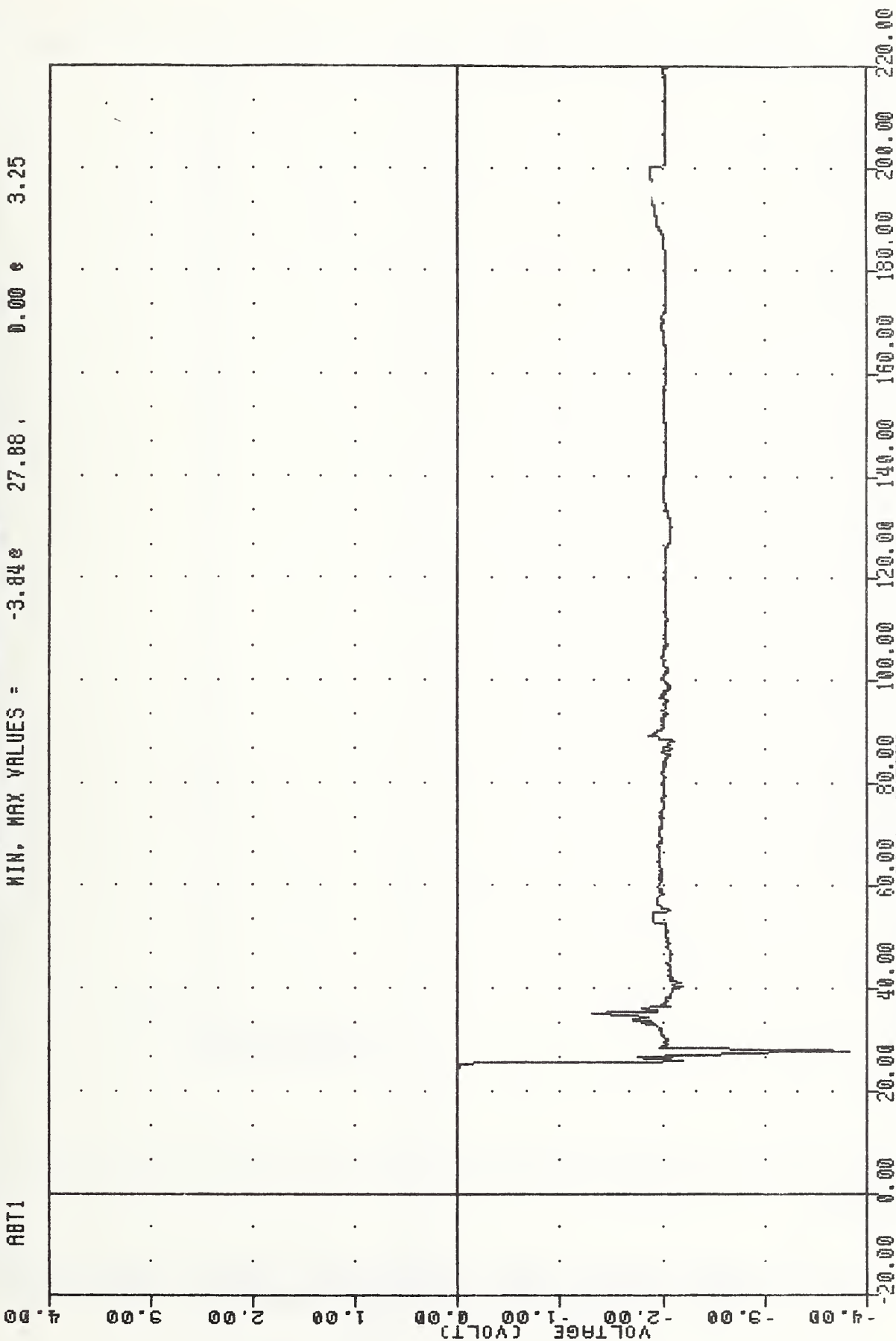


VRATC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
ABT1

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.84e 27.88 , 0.00 e 3.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRTC
BREED AIRBAG SLED PROGRAM
85137
ABT2

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.91 27.50 0.00 -11.75

4.00

3.00

2.00

1.00

0.00

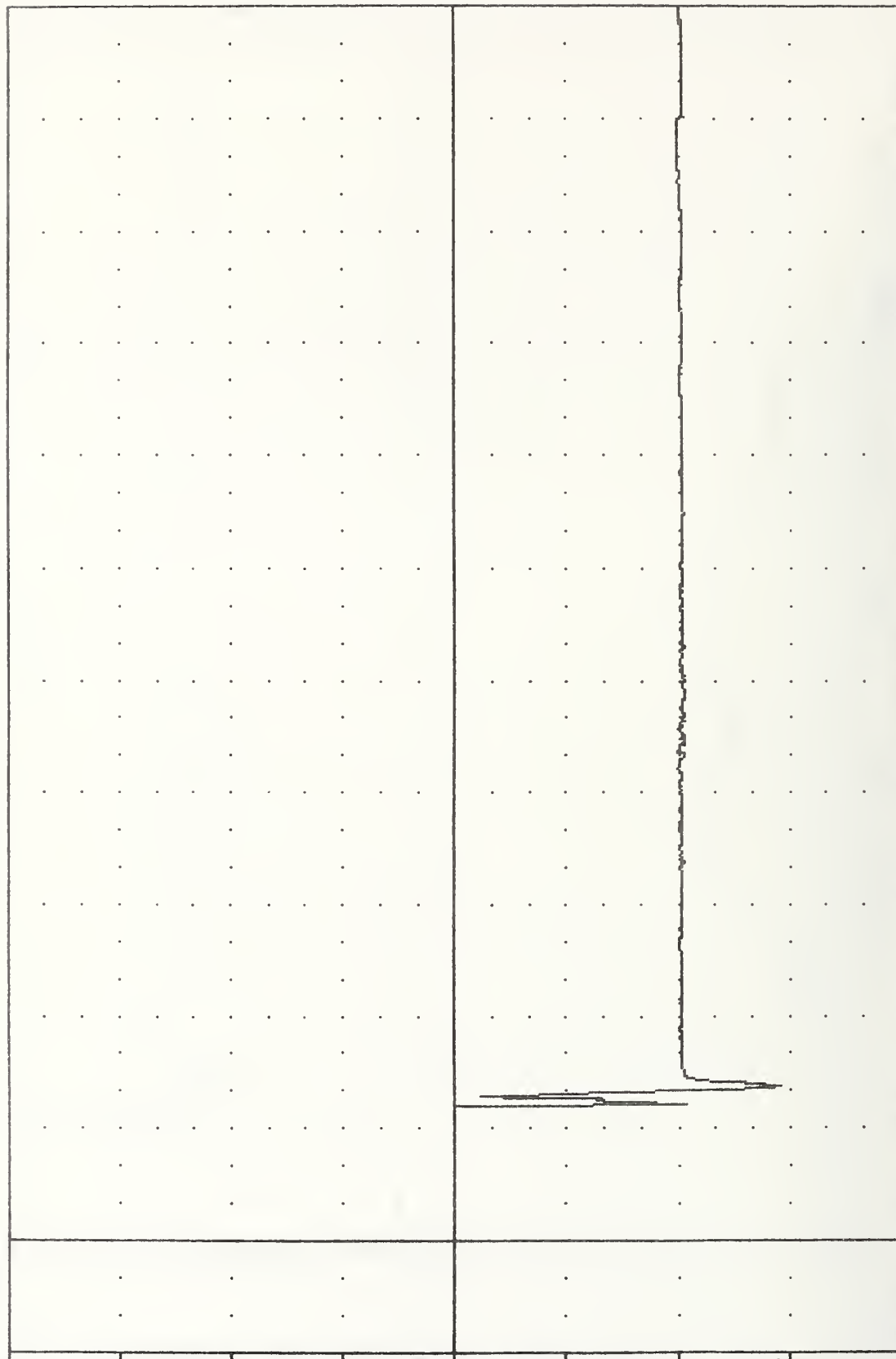
VOLTAGE (VOLTS)

-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)

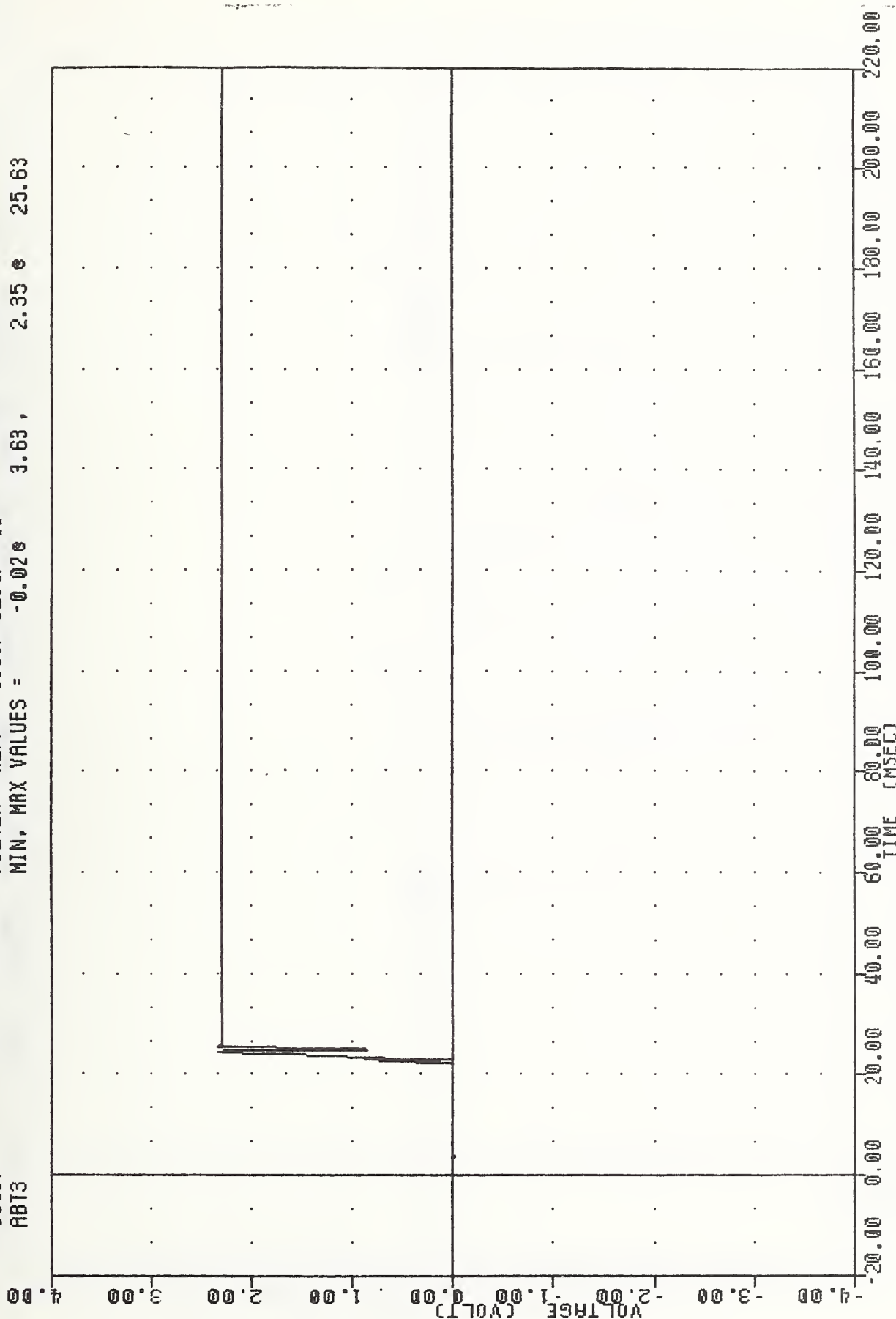
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

SENSOR BURNWIRE 2

VRIC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 ABT3

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1650/ 5214/ -40
 MIN, MAX VALUES = -0.020 3.63, 2.35 0 25.63



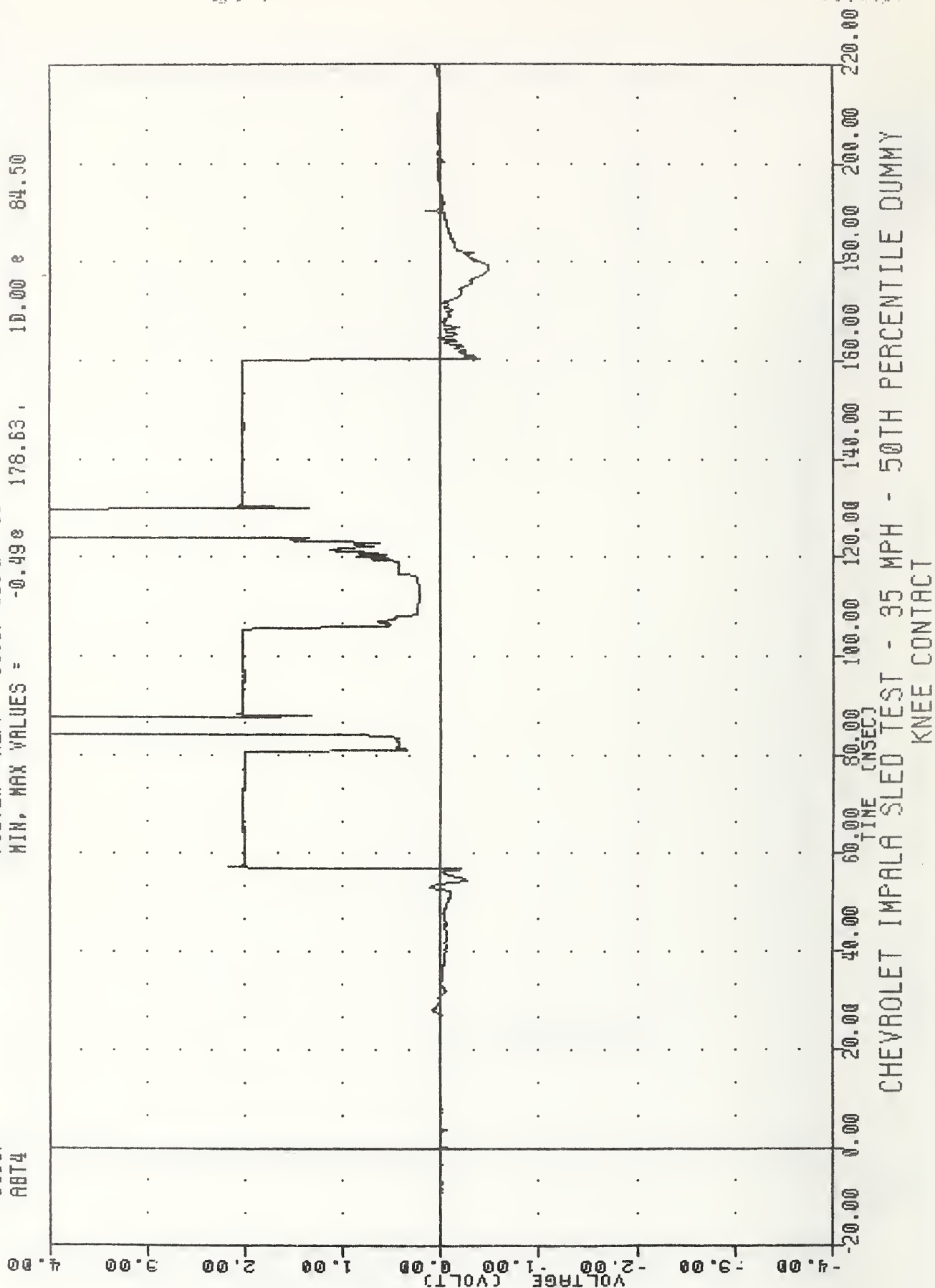
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 BREED 8-PILLAR SENSOR

WATC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
ABT4

PLOT DATE 20-MAY-85 15:50:49

FILTER = ALPF 1850/ 5214/ -40

MIN, MAX VALUES = -0.498 178.63, 10.00 8 84.50

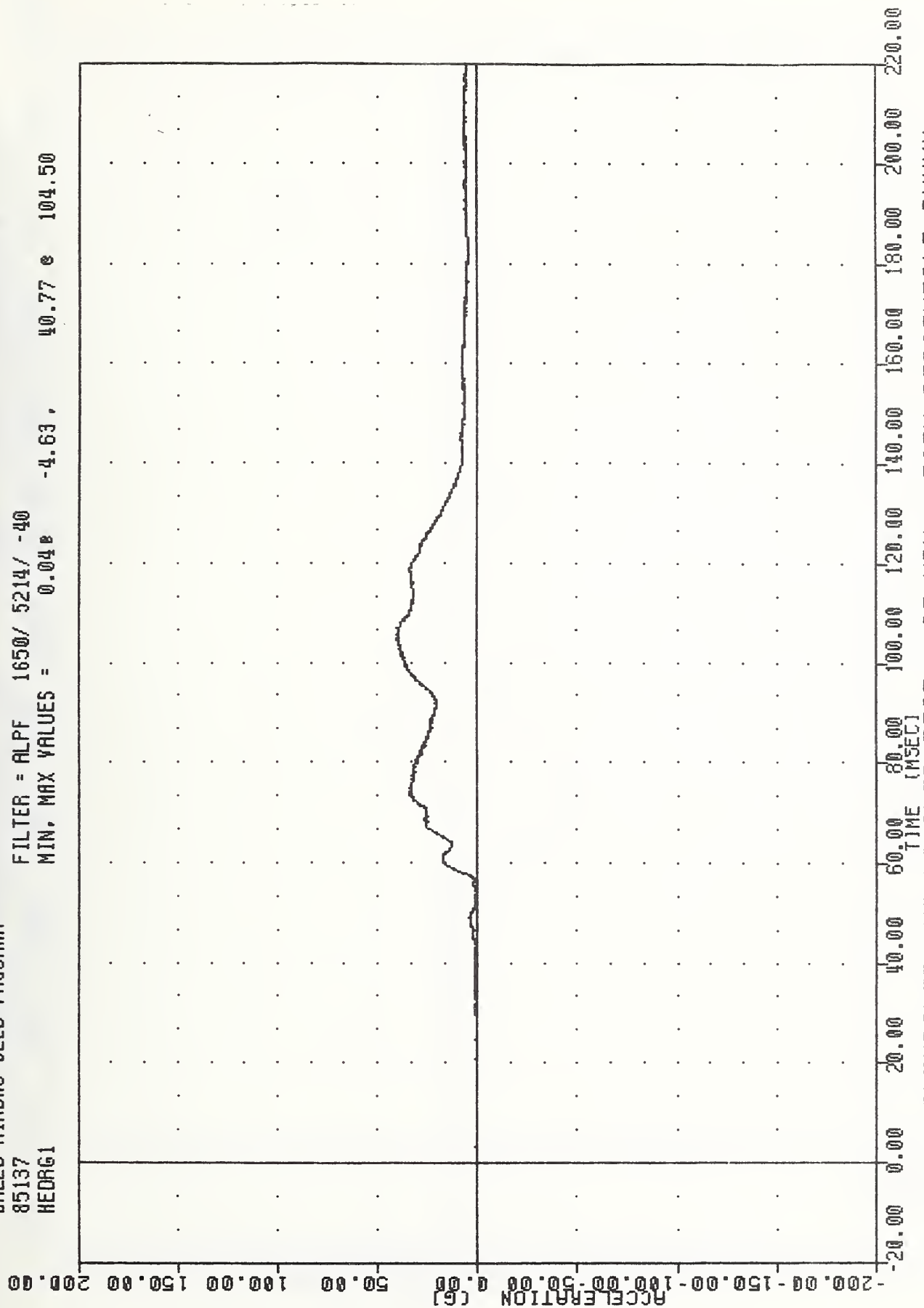


VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 HEDRG1

PLOT DATE 20-MAY-85 15:52:43

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.048 -4.63, 40.77 & 104.50



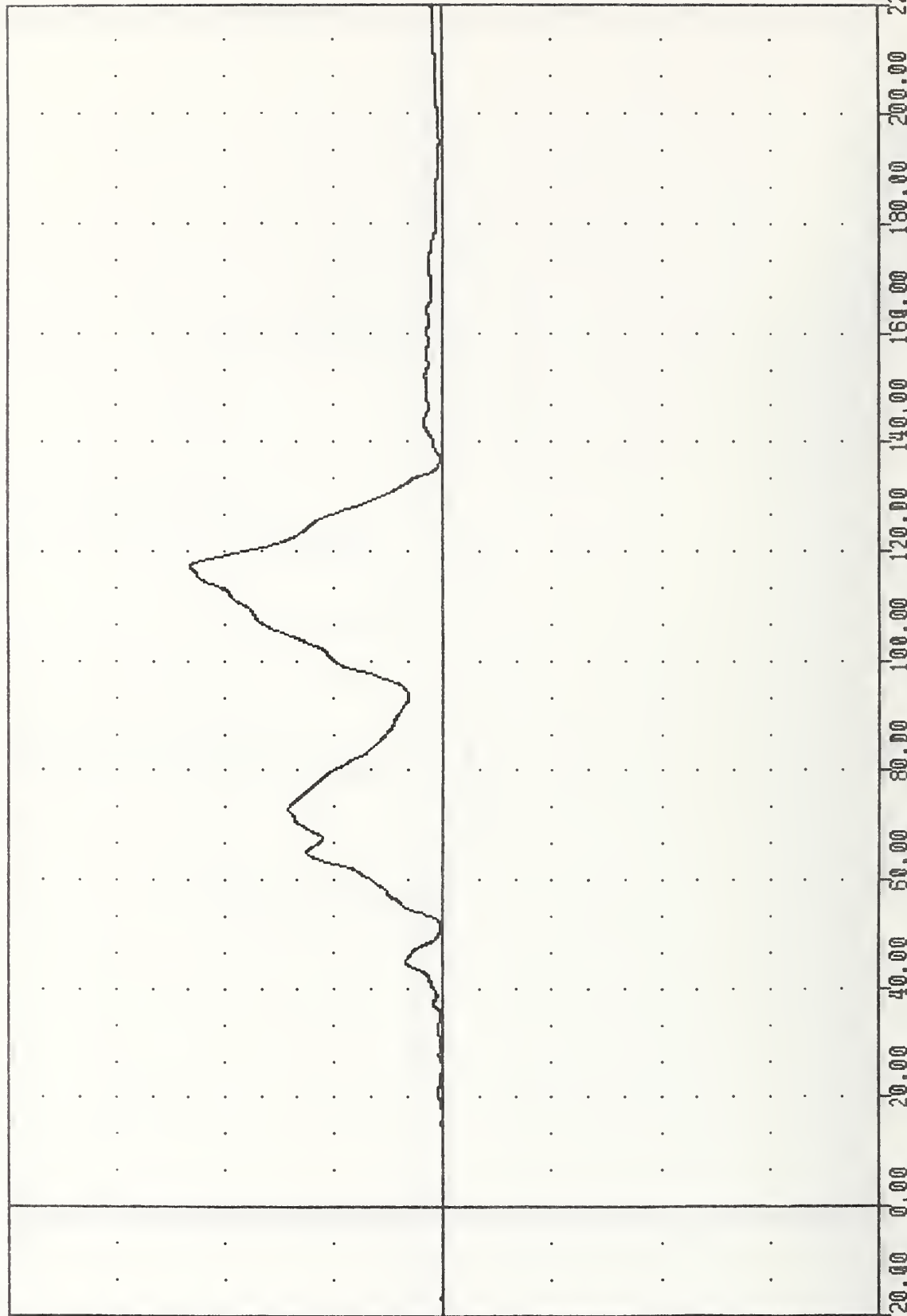
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD RESULTANT

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
CSTRG1

PLOT DATE 20-MAY-85 15:52:43

FILTER = 8LPF 300/ 949/ -40
MIN, MAX VALUES = 0.04e 11.25, 57.87 e 117.13

ACCELERATION (G)



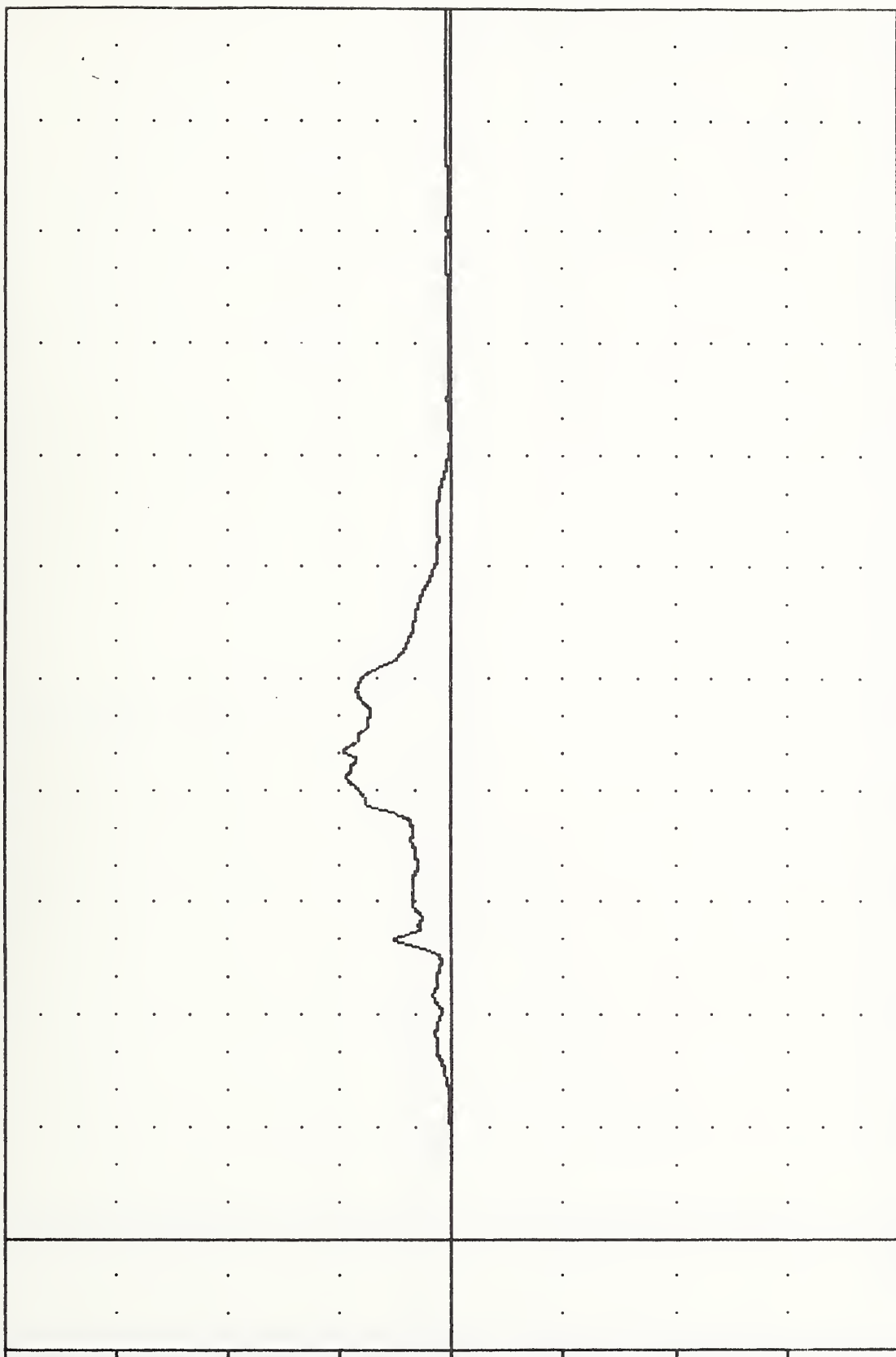
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 PEVR61

PLOT DATE 20-MAY-85 15:52:43

FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = 0.08 5.63 , 48.07 87.13

ACCELERATION (G)



TIME (MSEC)

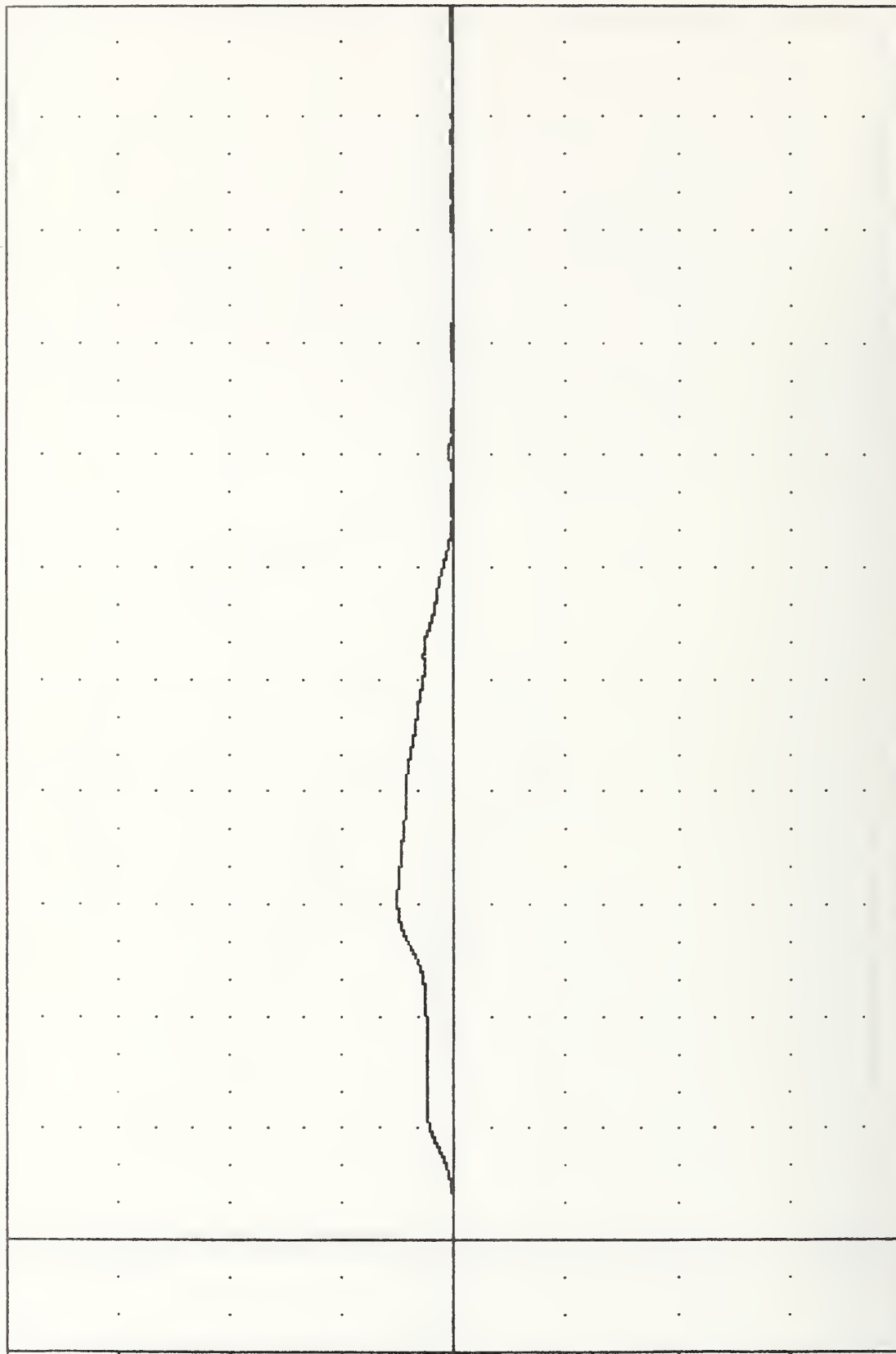
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

VRTC , RD384-4-34
BREED AIRBAG SLED PROGRAM
85137
LPBRG

PLOT DATE 20-MAY-85 15:52:43

FILTER = 8LFF 100/ 316/ -40
MIN. MAX VALUES = 0.08e -4.88 , 25.37 e 61.00

ACCELERATION (G)



TIME (MSEC)

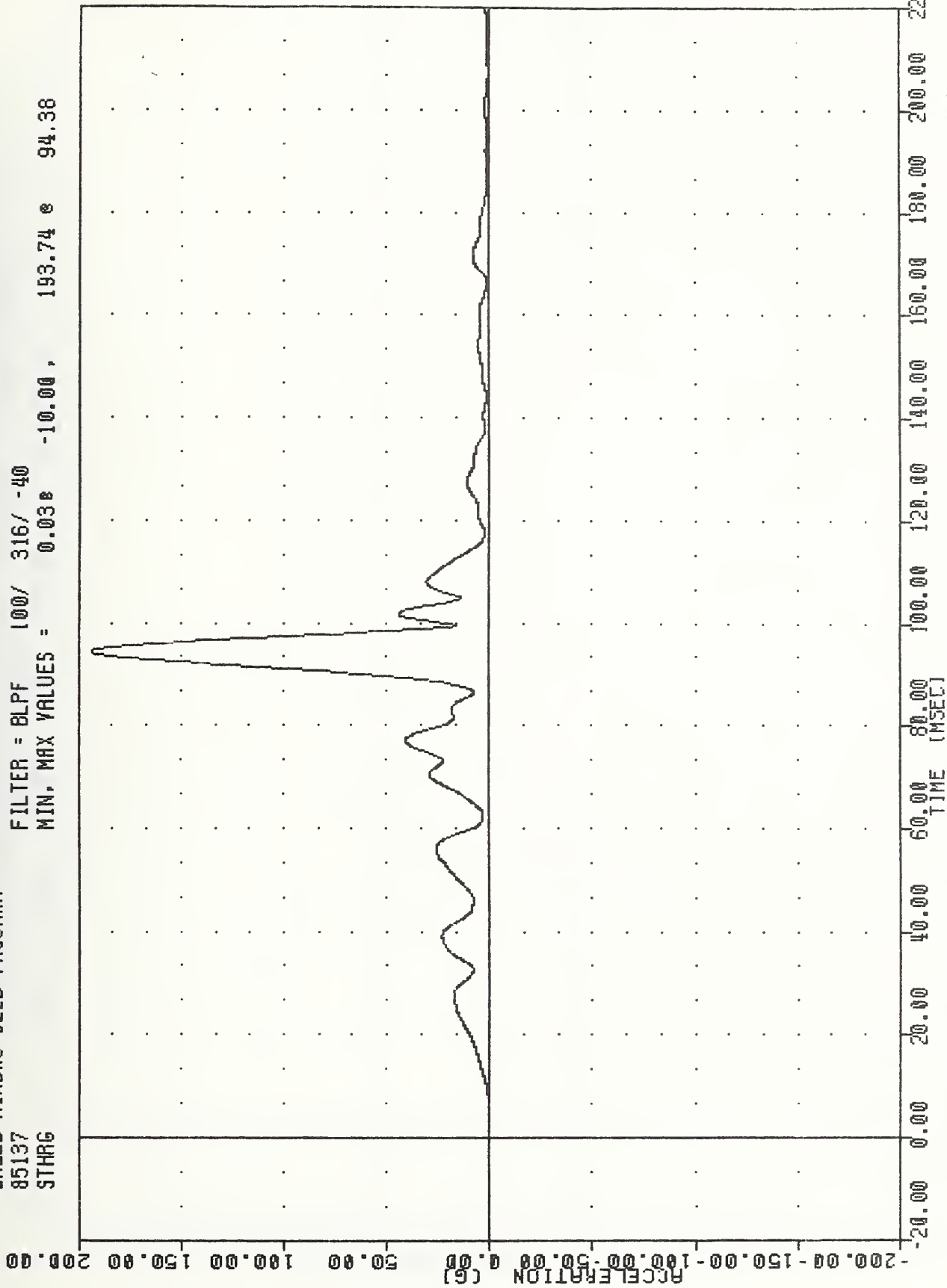
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , R0384-4-34
BREED AIRBAG SLED PROGRAM
85137
STHRG

PLOT DATE 20-MAY-85 15:52:43

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.038 -10.00 , 193.74 94.38

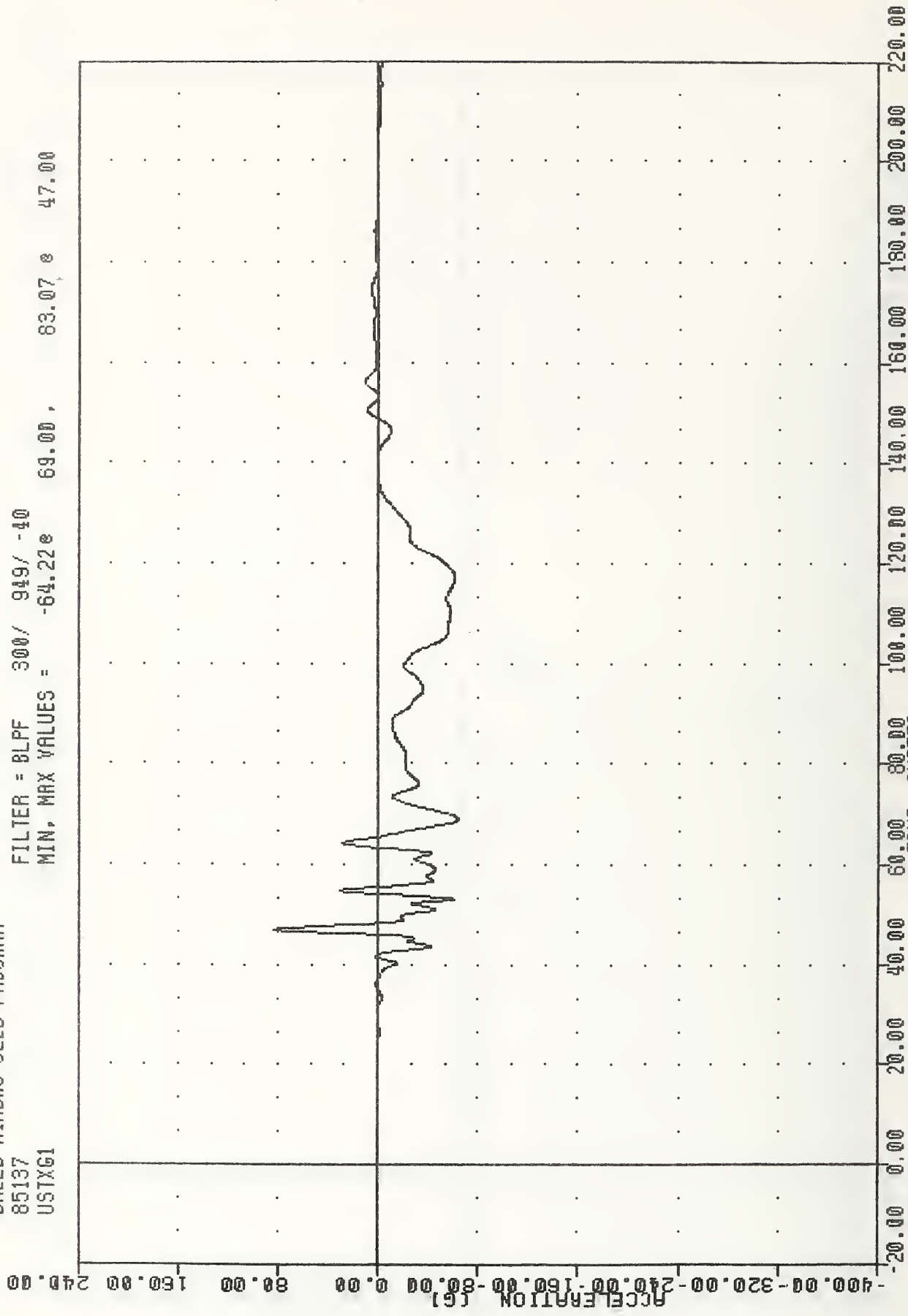


YRTC , RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 USTXG1

PLOT DATE 20-MAY-85 15:50:49

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -64.22e 69.00, 83.07 e 47.00



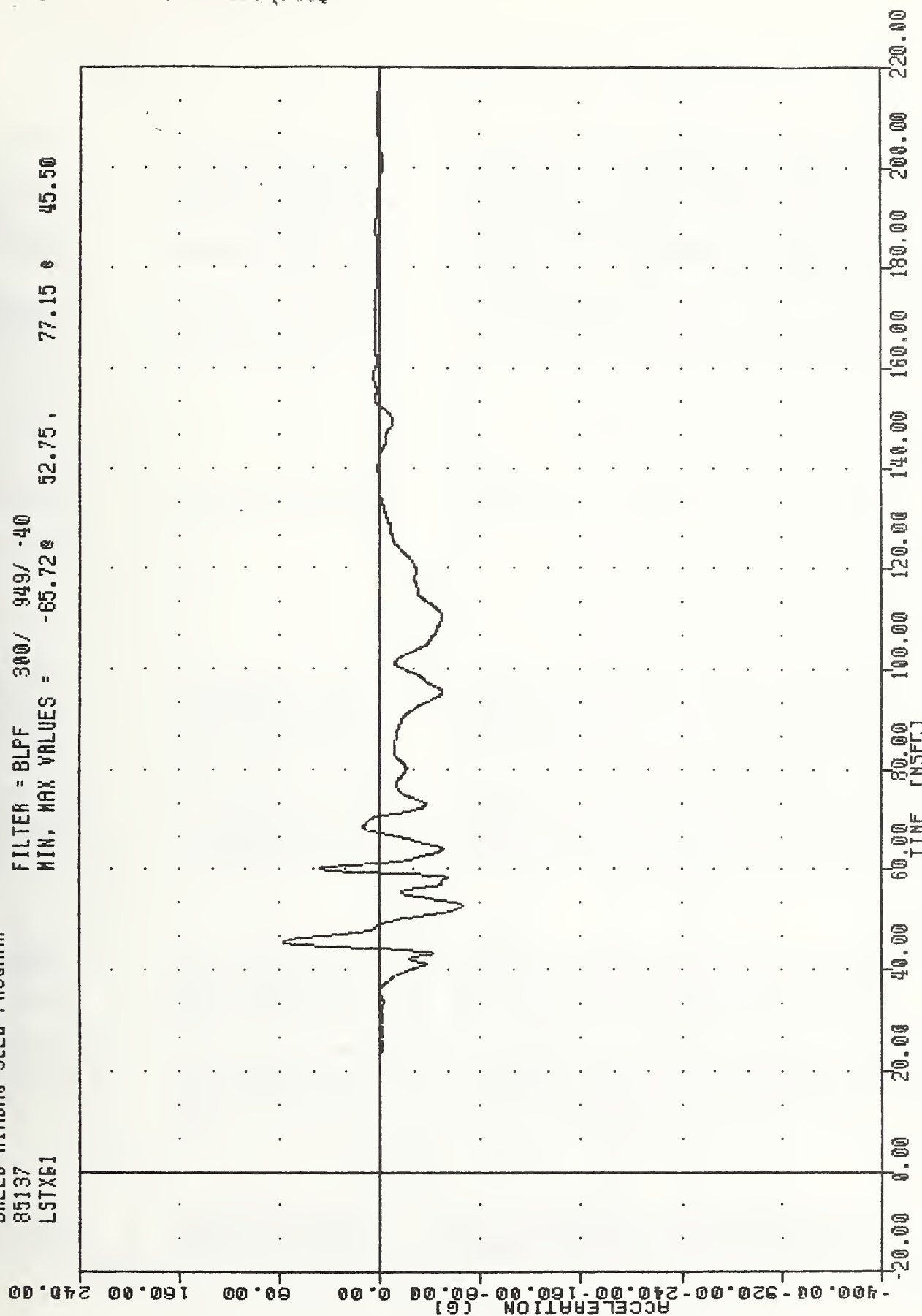
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER UPPER STERNUM ACCELERATION X AXIS

VATIC RD384-4-34
 BREED AIRBAG SLED PROGRAM
 85137
 LSTX61

PLOT DATE 20-MAY-85 15:50:49

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -65.72 52.75, 77.15 45.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LOWER STERNUM ACCELERATION X AXIS

TRC442P. RAD: 1
VRTC
85140

RD384-4-35 BREED AIRBAG SLED PROGRAM
35.00 mph 20-MAY-85 16:27

1	EVENT	Min value		Max value		Data Units	Filter
1	EVENT	0.068 @	125.625	1.604 @	-3.625 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-38.328 @	132.500	0.125 @	-8.875 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.763 @	57.500	1.260 @	129.875 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-32.357 @	69.875	2.500 @	34.875 msec	g	ALPF 1650/ 5214/ -40
5	HEDYG1	-1.550 @	57.875	5.894 @	126.875 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-3.021 @	50.125	18.623 @	105.125 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-47.637 @	117.875	3.744 @	163.250 msec	g	BLPF 300/ 949/ -40
8	CSTYG1	-2.383 @	60.250	2.289 @	65.750 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-6.730 @	79.875	2.235 @	108.000 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-116.183 @	51.125	87.482 @	43.875 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-127.695 @	39.875	196.662 @	42.000 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-47.855 @	88.875	2.600 @	215.000 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-7.599 @	88.125	8.690 @	98.250 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-14.999 @	109.125	1.558 @	171.500 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-1245.536 @	100.750	137.404 @	190.375 msec	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-1428.952 @	89.875	92.027 @	206.875 msec	lb	BLPF 1000/ 3162/ -40
17	STHPG	-187.663 @	97.500	44.720 @	79.125 msec	g	BLPF 100/ 316/ -40
18	STHLG	-18.329 @	108.000	17.687 @	101.750 msec	g	BLPF 100/ 316/ -40
19	STHIG	-28.892 @	78.125	59.694 @	99.250 msec	g	BLPF 100/ 316/ -40
20	LPBVG	-25.356 @	61.500	1.249 @	132.375 msec	g	BLPF 100/ 316/ -40
21	LPBYG	-2.016 @	120.375	1.928 @	124.750 msec	g	BLPF 100/ 316/ -40
22	LPBZG	-3.288 @	120.625	1.662 @	34.125 msec	g	BLPF 100/ 316/ -40
23	ABT1	-2.880 @	42.875	37.144 @	31.000 msec	psig	ALPF 1650/ 5214/ -40
24	ABT1	-2.393 @	32.250	0.004 @	2.875 msec	volt	ALPF 1650/ 5214/ -40
25	ABT2	-3.097 @	29.125	0.006 @	3.000 msec	volt	ALPF 1650/ 5214/ -40
26	ABT3	-0.026 @	3.000	2.310 @	25.375 msec	volt	ALPF 1650/ 5214/ -40
27	ABT4	-0.114 @	170.125	2.151 @	57.125 msec	volt	ALPF 1650/ 5214/ -40

TRC442IP. RAD: 1
VRTC
85140

RD384-4-35 BREED AIRBAG SLED PROGRAM
35.00 mph 20-MAY-85 16:27

1	EVENT	Min value		Max value		Data Units	Filter
1	HEDXV1	-49.209 @	212.375	0.315 @	45.125 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-65.688 @	220.000	0.011 @	56.000 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-46.203 @	138.875	0.431 @	-8.750 msec	mph	BLPF 300/ 949/ -40
4	CSTD1	-65.983 @	220.000	0.493 @	41.625 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-39.762 @	154.875	-0.206 @	-1.000 msec	mph	BLPF 300/ 949/ -40
6	PEVVD1	-64.660 @	220.000	-0.123 @	-20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-38.057 @	122.875	0.043 @	-17.625 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-71.180 @	220.000	0.029 @	-2.000 msec	in	BLPF 300/ 949/ -40
9	STHPV	-34.879 @	131.625	0.258 @	-17.875 msec	mph	BLPF 300/ 949/ -40
10	STHPD	-59.633 @	220.000	0.199 @	9.750 msec	in	BLPF 300/ 949/ -40
11	LPBXV	-37.443 @	125.250	-0.001 @	-20.000 msec	mph	BLPF 300/ 949/ -40
12	LPBXD	-69.113 @	220.000	0.001 @	-20.000 msec	in	BLPF 300/ 949/ -40

TRC442RP. RAD: 1
VRTC
85140

RD384-4-35 BREED AIRBAG SLED PROGRAM
35.00 mph 20-MAY-85 16:27

1	EVENT	Min value		Max value		Data Units	Filter
1	HEDRG1	0.046 @	-15.750	33.703 @	75.875 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.035 @	-5.000	47.714 @	117.875 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.083 @	-10.125	49.163 @	88.875 msec	g	BLPF 300/ 949/ -40
4	STHRG	0.170 @	-11.375	193.665 @	97.625 msec	g	BLPF 100/ 316/ -40
5	LPBRG	0.084 @	-8.625	25.384 @	61.625 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC442RP.RAD;1
VRTC RD384-4-35 BREED AIRBAG SLED PROGRAM
85140 35.00 mph

* * * HIC computation for HEDRG1 20-MAY-85 16:28
Using time range = 0.000 to 183.125 msec Peak accel = 33.70 @ 75.875
HIC = 240.28 Interval from 59.375 [636] to 137.125 [1258]
HIC = 85.12 Interval from 67.250 [699] to 82.250 [819]

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

Enter input filespec -> TRC442RP

File TRC442RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-35 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPRRG

Enter channel name -> CSTRG1

ISLED,BREED,TRC442RP,RAD;1 VRTC RD384-4-35
BREED AIRBAG SLED PROGRAM 35.0 mph 85140 20-MAY-85 16:29:42
Deltax: 0.125

3 MS CLIP PEAK: 47.48525

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

Enter channel name -> ^Z

Enter input filespec -> ^Z

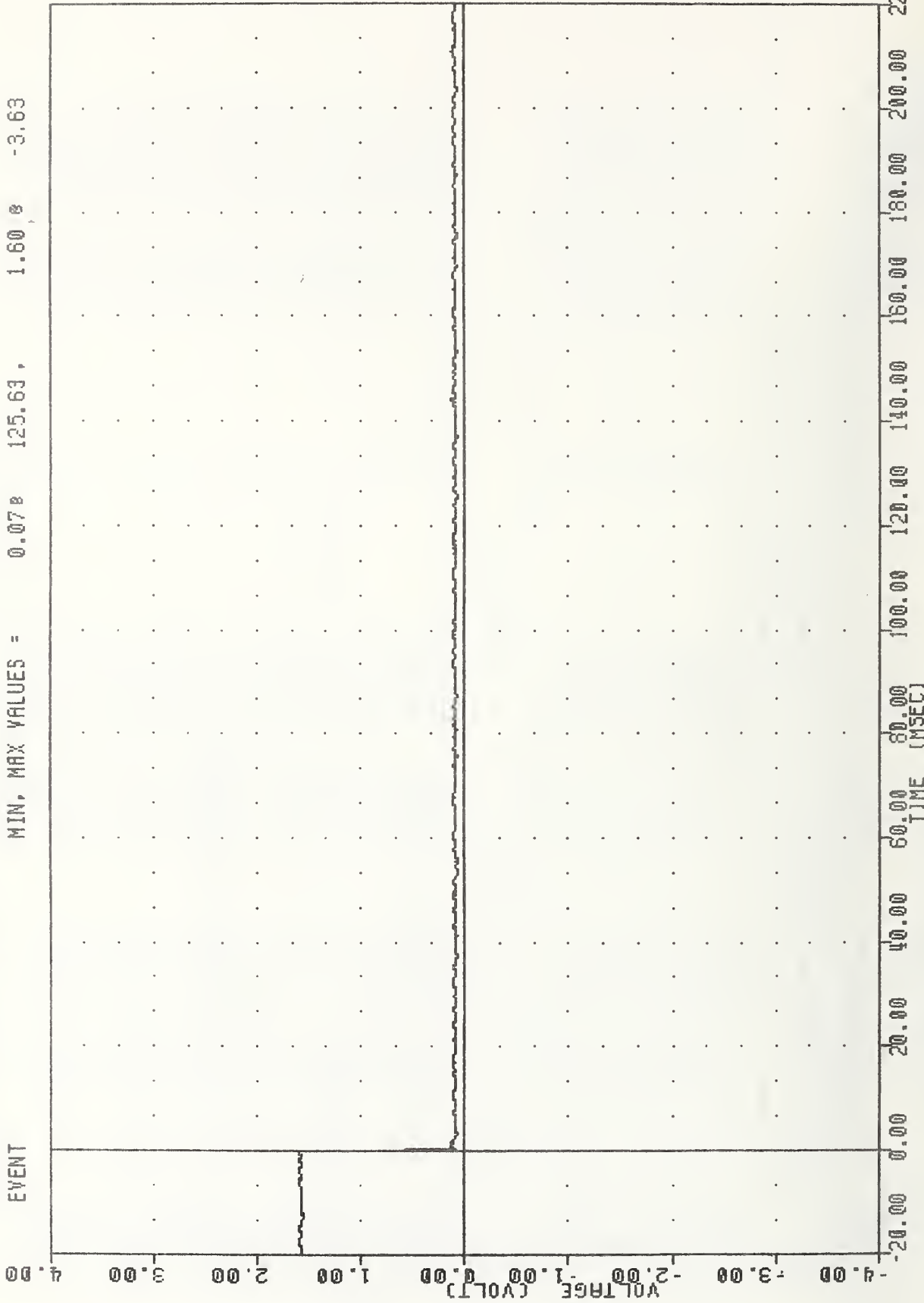
\$

VRTC
BREED AIRBAG SLED PROGRAM
85140
EVENT

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.078 125.63, 1.608 -3.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
EVENT

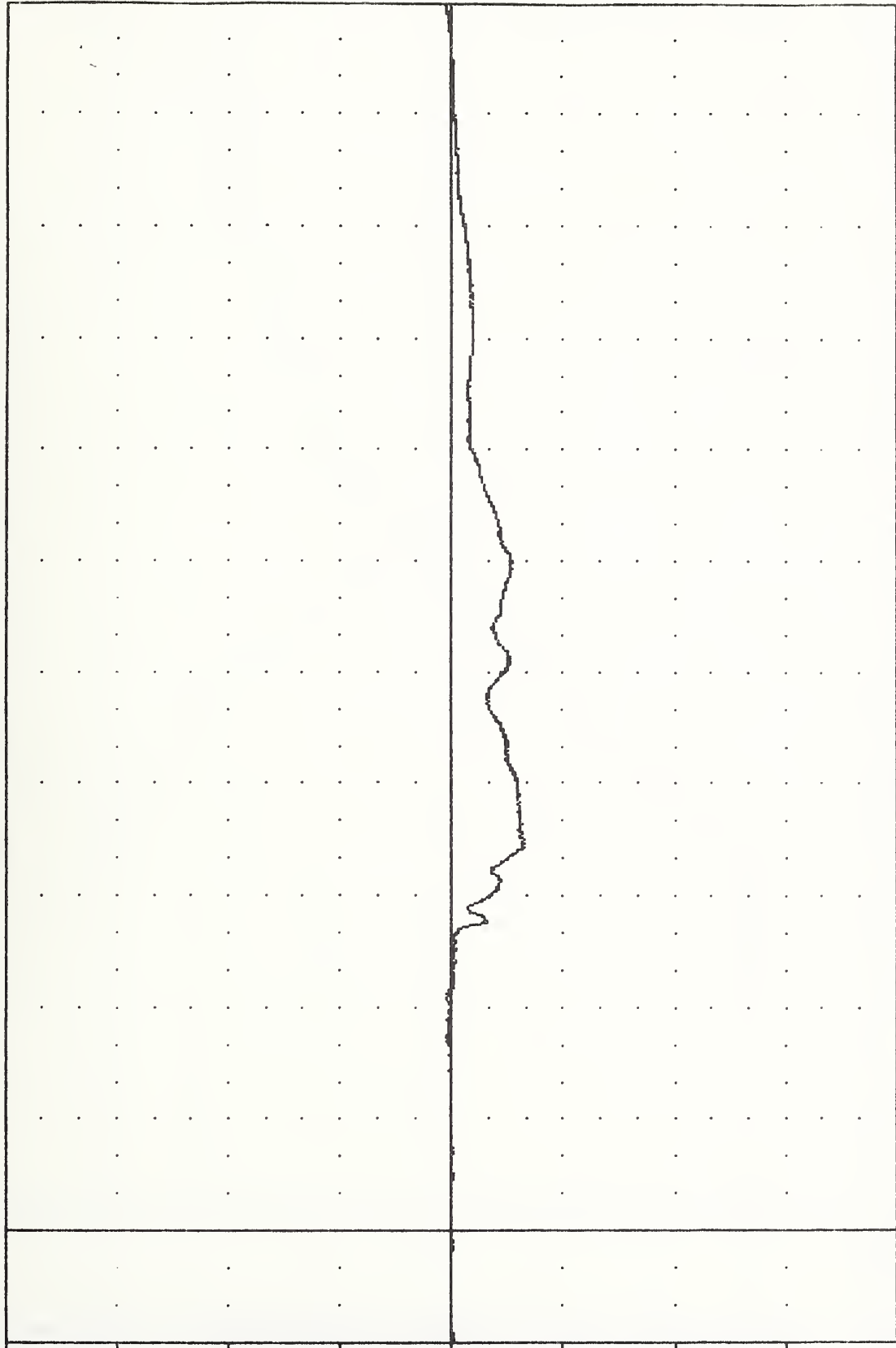
VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
HEDXG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -32.36e 69.88 , 2.50 e 34.88

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

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRIC , R0384-4-35
BREED AIRBAG SLED PROGRAM
85140
HEDXV1

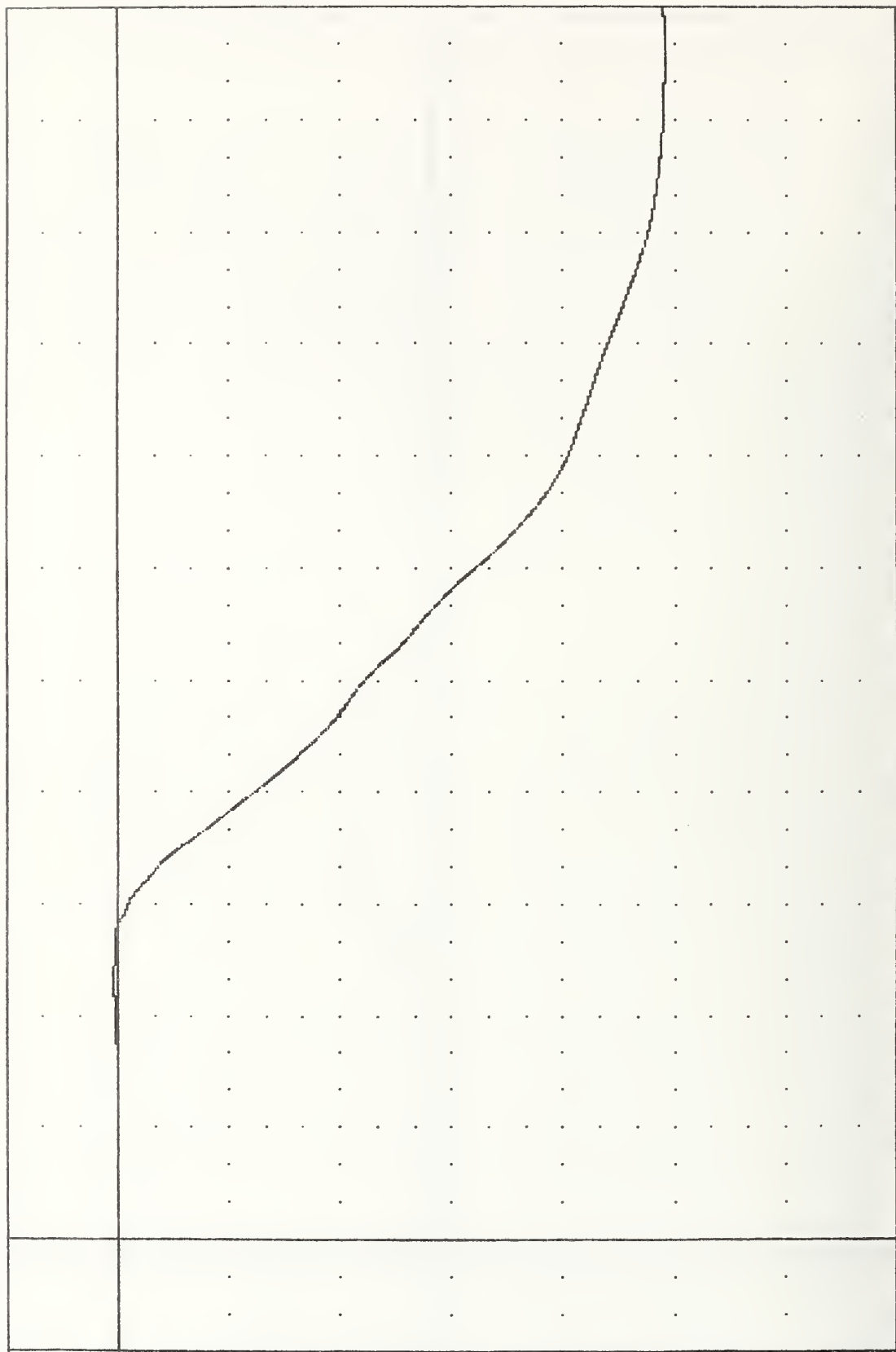
PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -49.218 212.38, 0.31 e 45.13

10.00

VELOCITY (MPH)



TIME (msec)

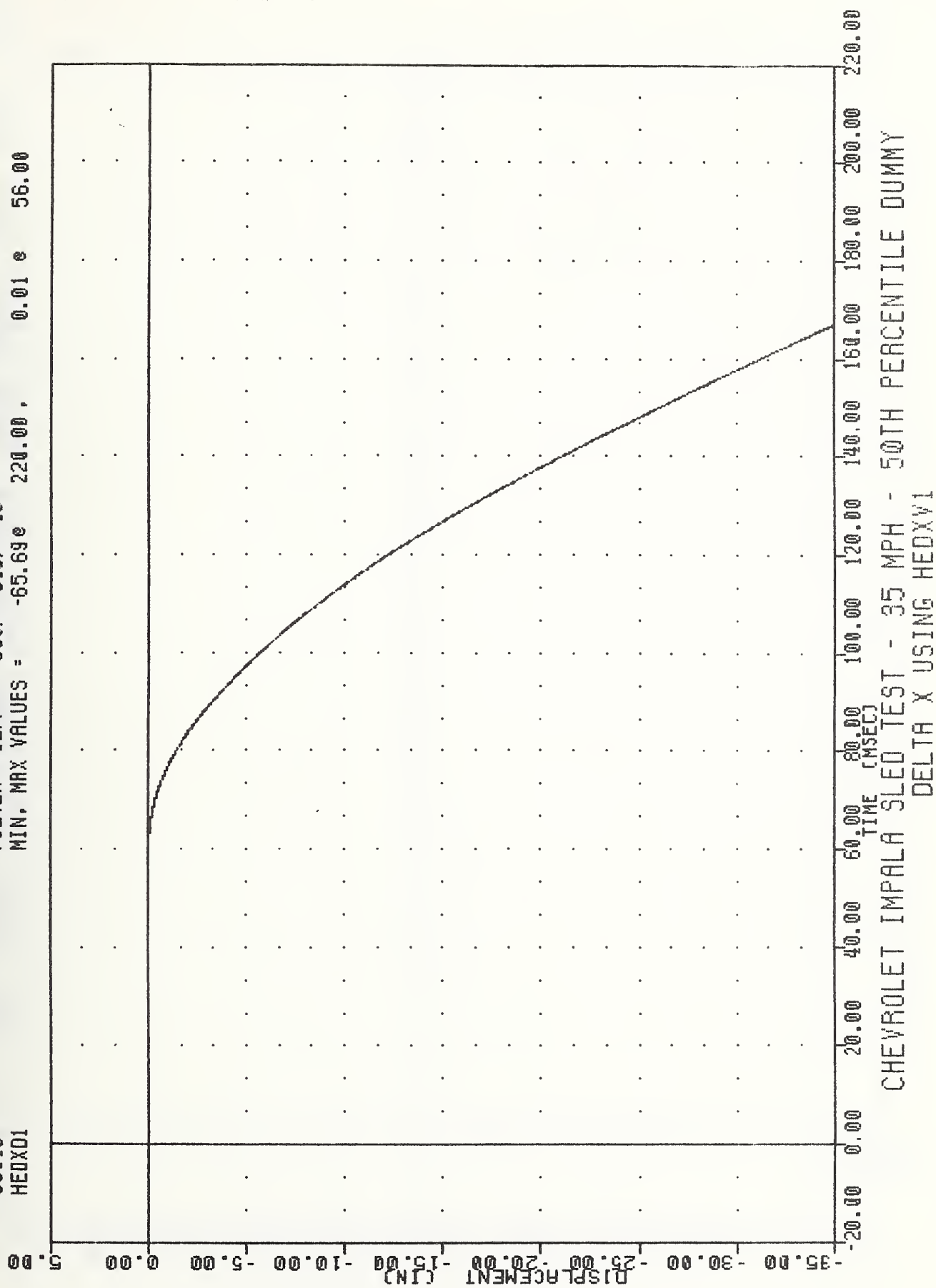
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC
BREED AIRBAG SLED PROGRAM
85140
HEDXD1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -65.69e 220.00, 0.01 e 56.00



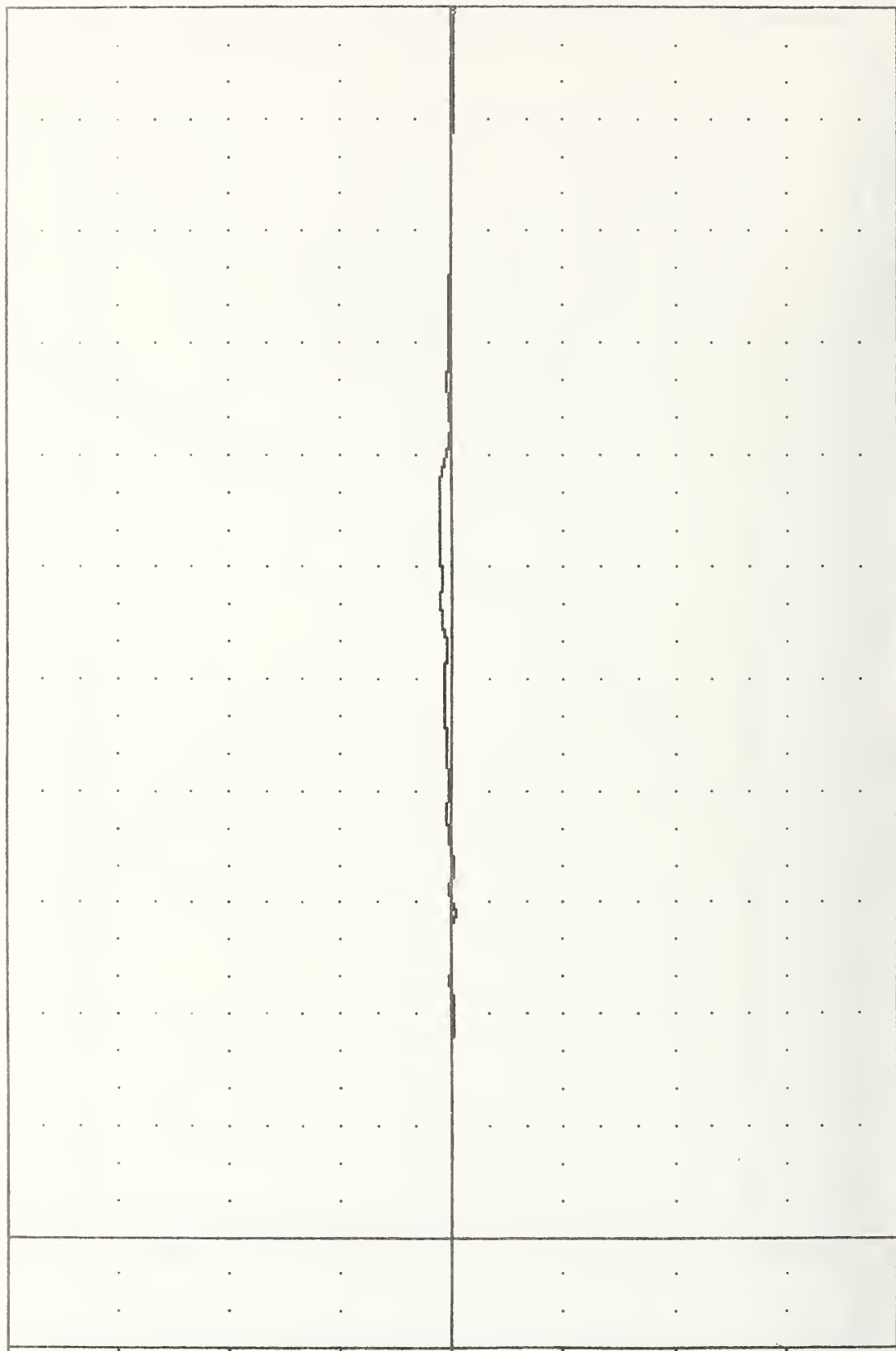
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING HEDXV1

VRTC , RD384-4-35
BRAED AIRBAG SLED PROGRAM
85140
HEDY61

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -1.55e 57.88 , 5.89 e 126.88

ACCELERATION (G)



-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

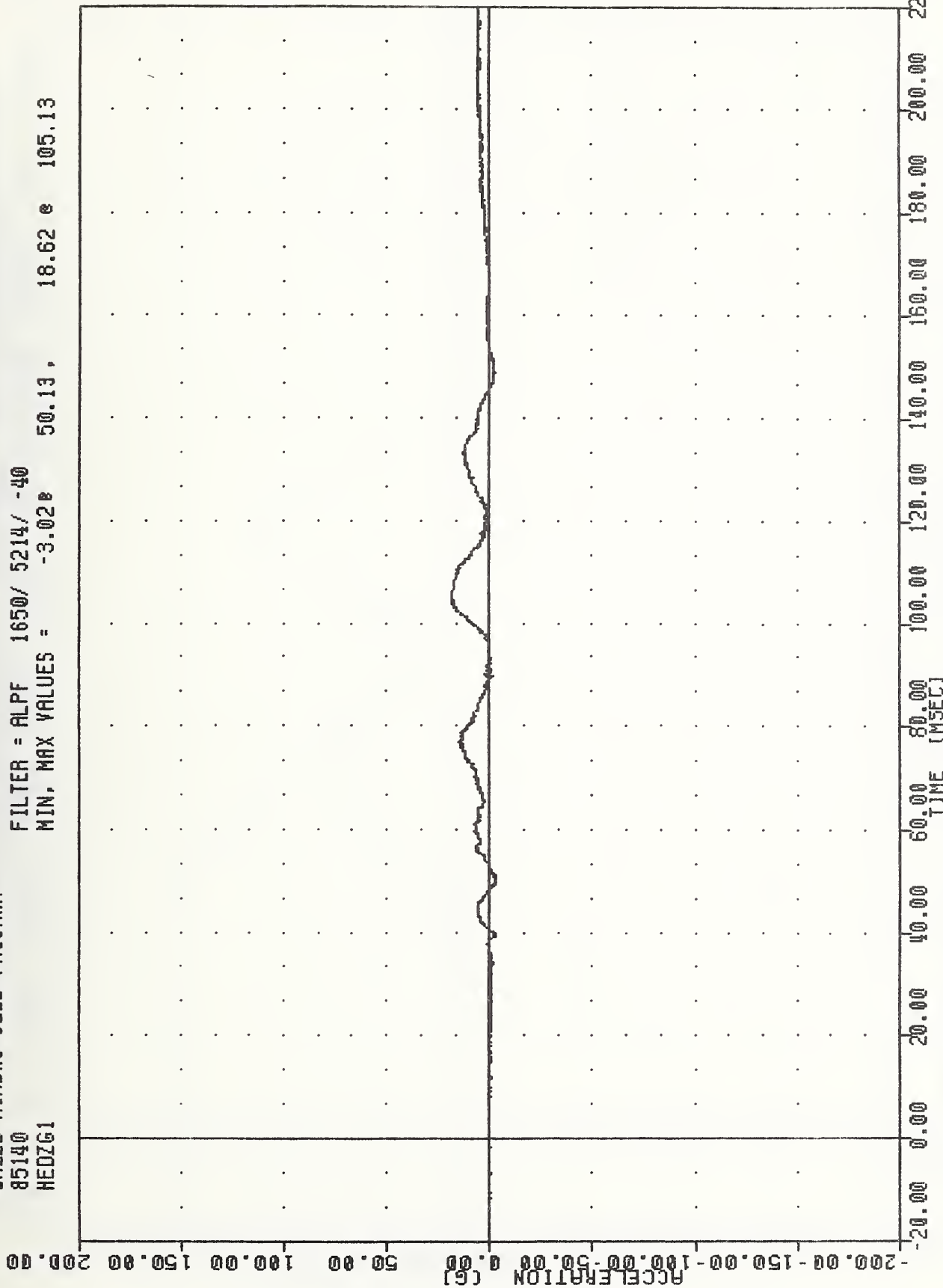
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

VRTC , R0384-4-35
BREED AIRBAG SLED PROGRAM
85140
HEDZG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.02 50.13 18.62 105.13

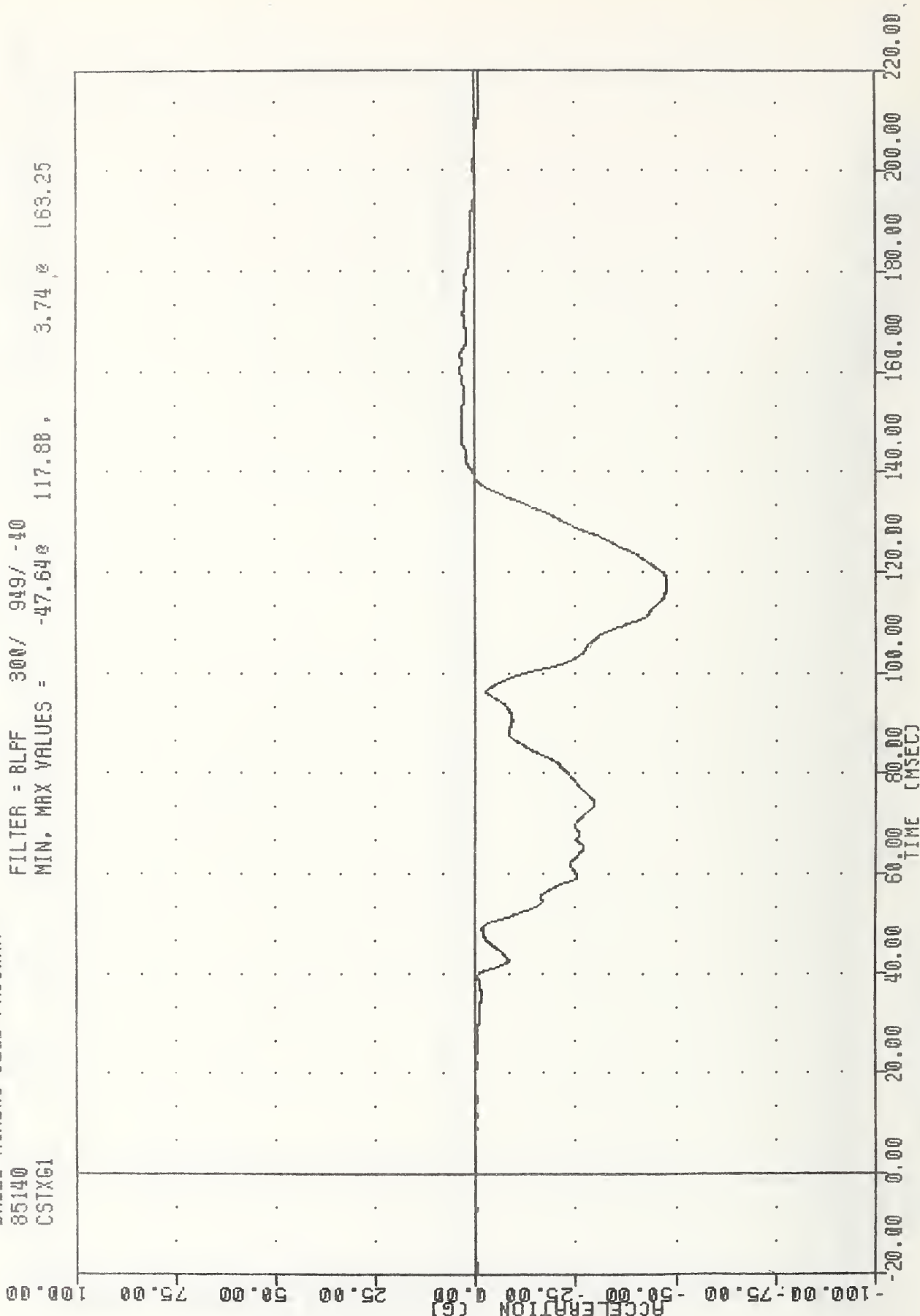


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
CSTX61

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -47.64g 117.88g 3.74g 163.25



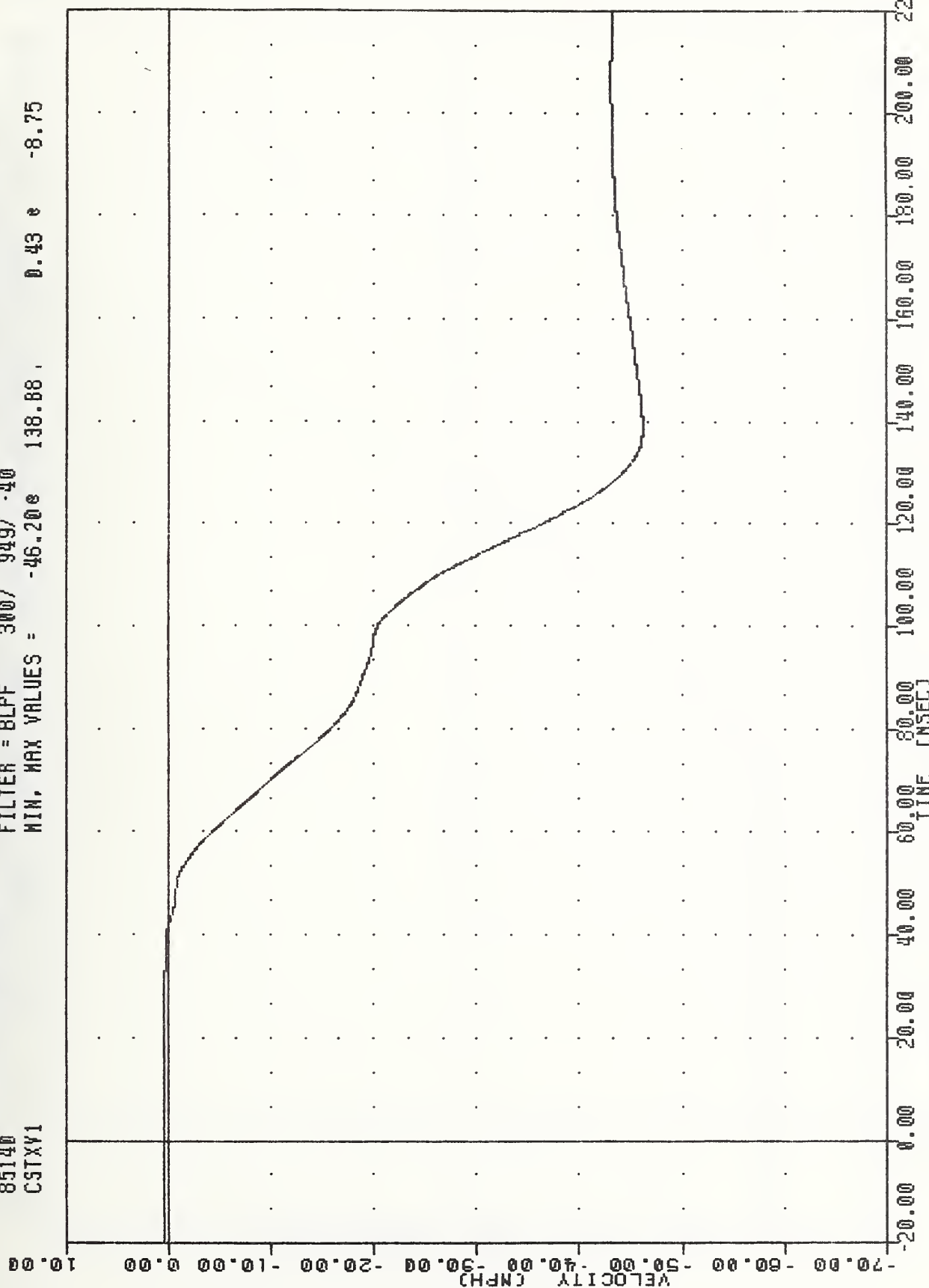
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VATC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 CSTXV1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -46.20e 138.88 , 0.43 e -8.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING CSTXG1

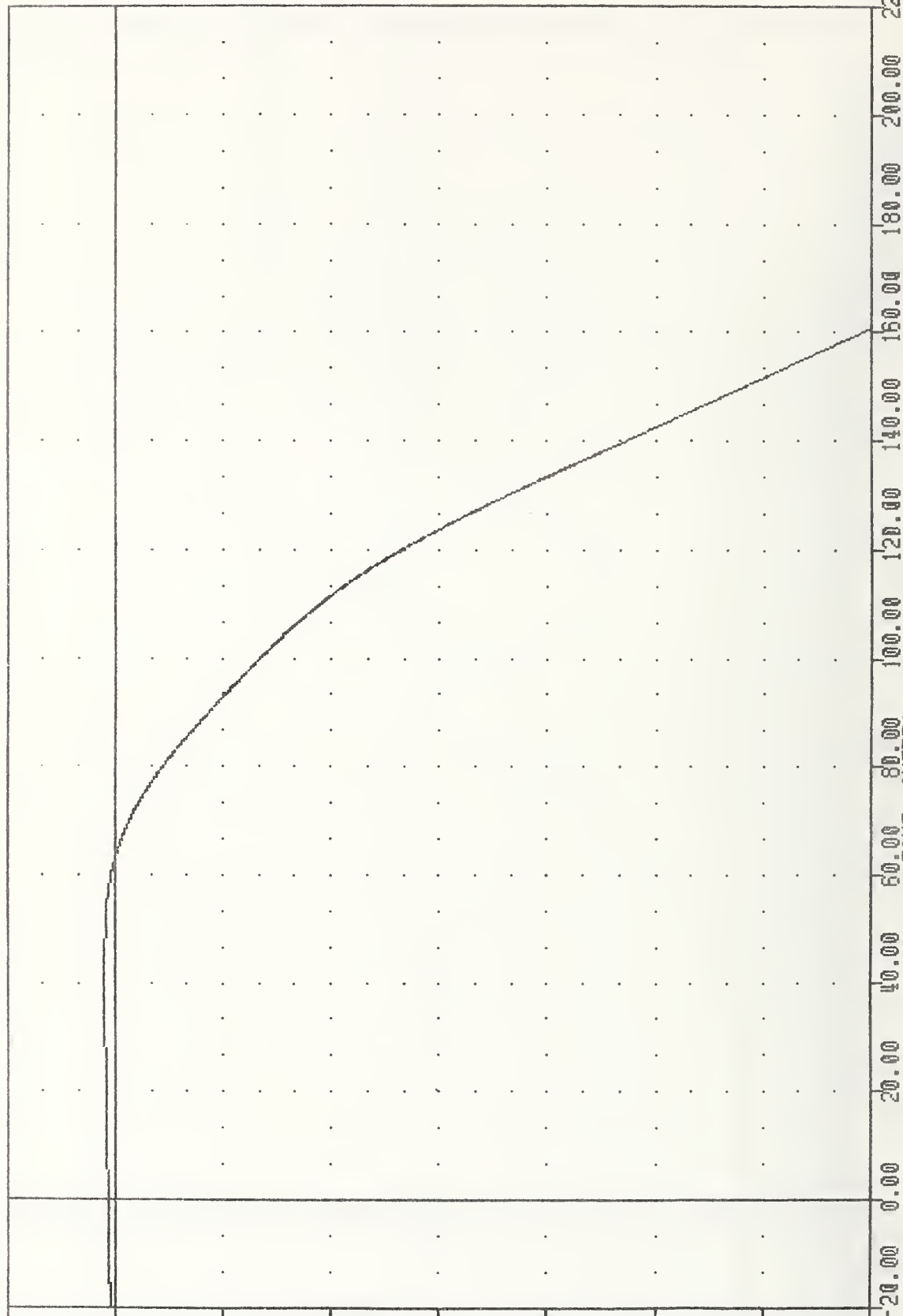
VRTC , R0384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 CSTXD1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -65.988 220.00, 0.49, 41.63

DISPLACEMENT (IN)



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

WRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
CSTY61

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -2.38e 60.25, 2.29 e 65.75

100.00

75.00

50.00

25.00

0.00

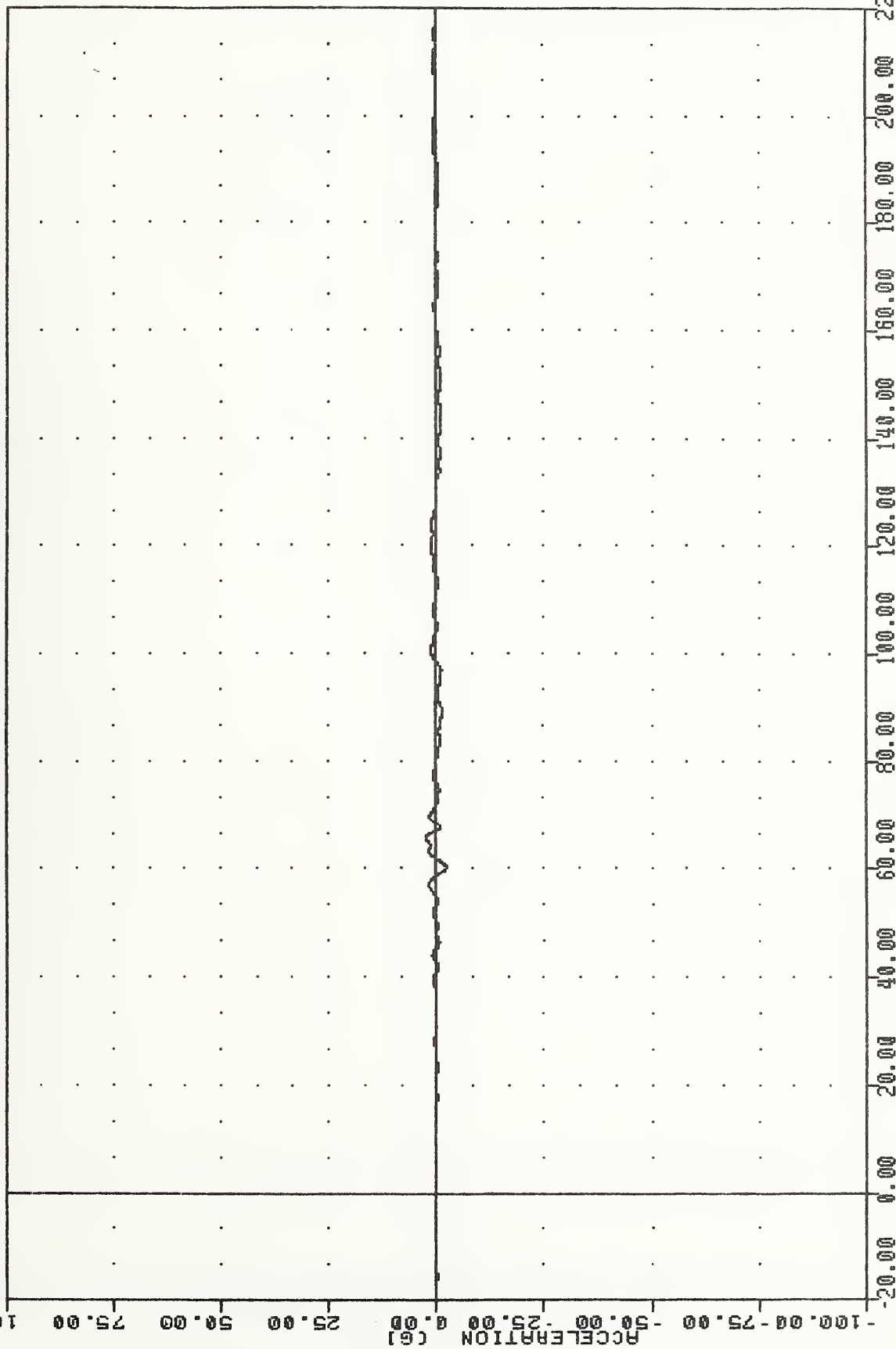
-25.00

-50.00

-75.00

-100.00

279



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Y AXIS

VRTC
 BREED AIRBAG SLED PROGRAM
 85140
 CSTZG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -6.73 79.88, 2.23 108.00

100.00

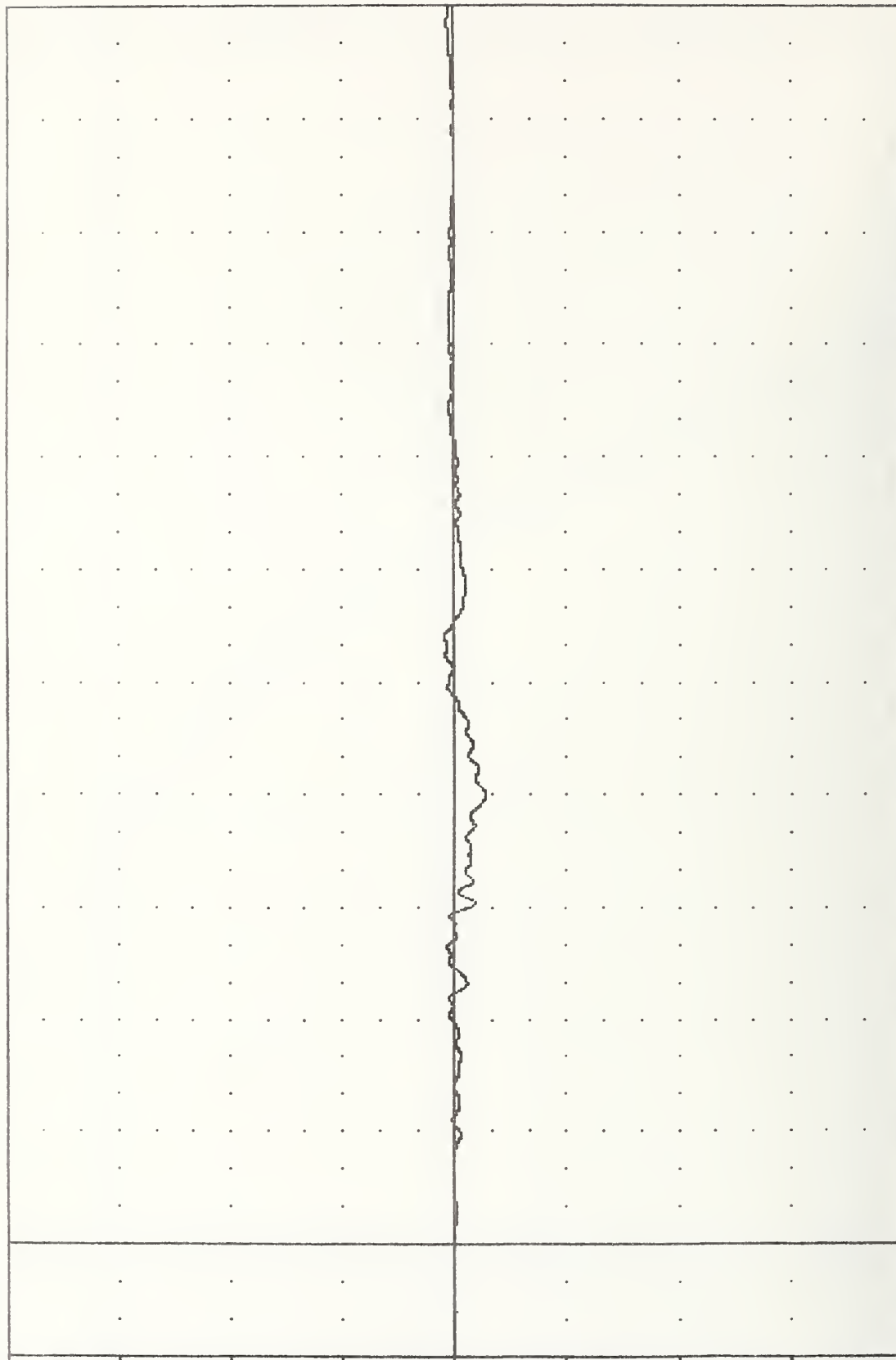
75.00

50.00

25.00

ACCELERATION (G)

280



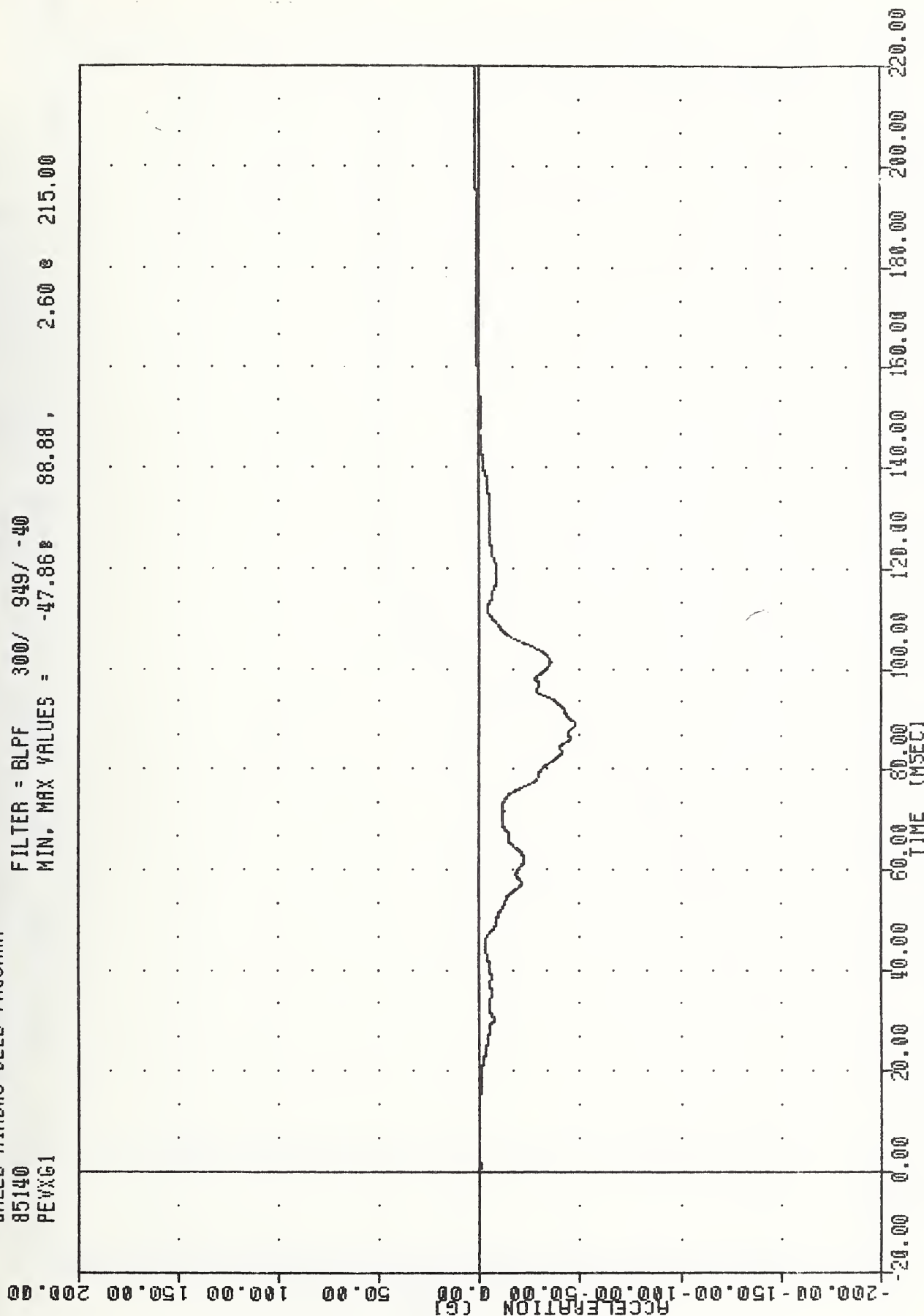
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
PEVXG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -47.86 88.88 , 2.60 @ 215.00



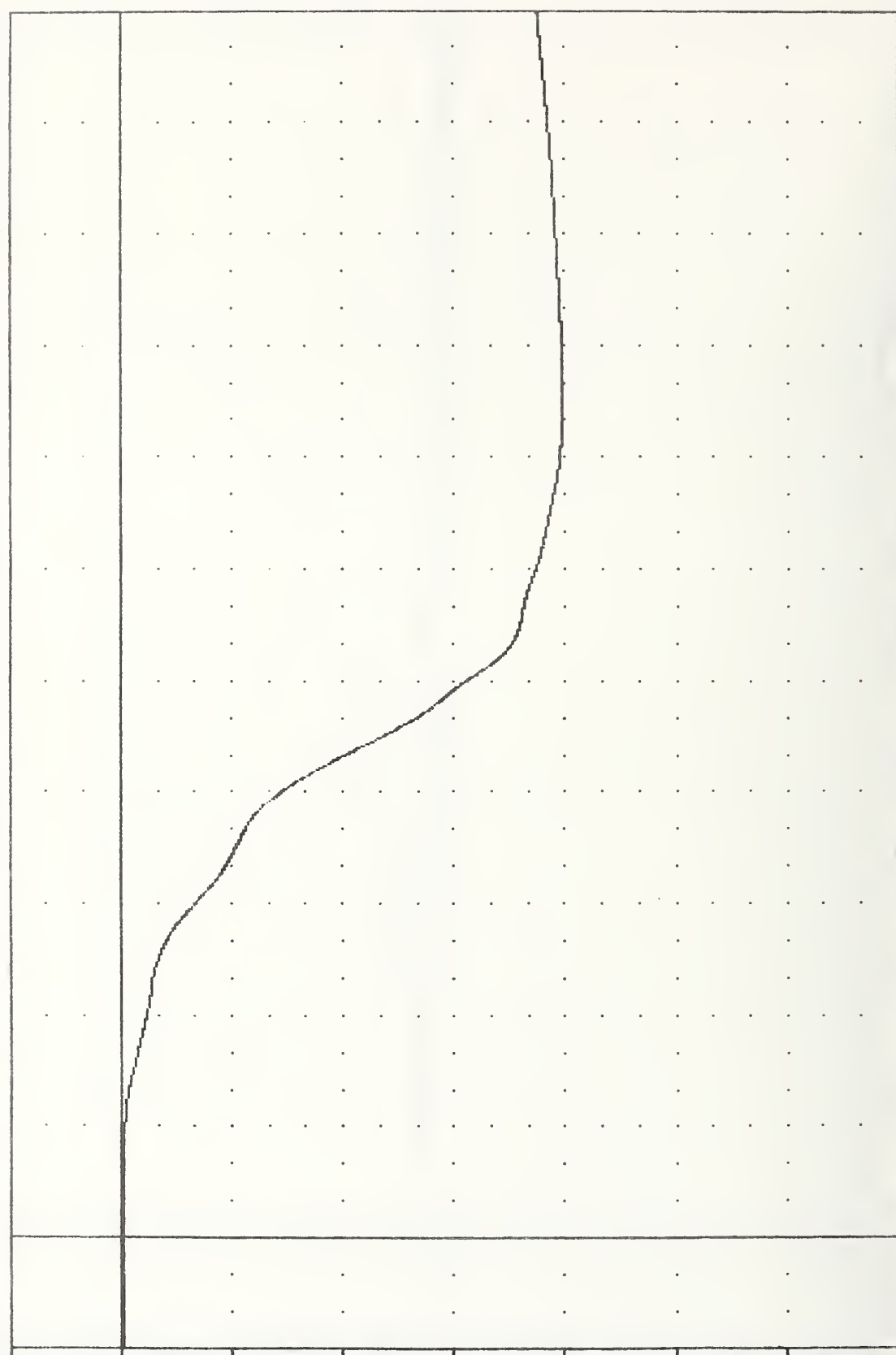
VRIC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 PEVXV1

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -39.76e 154.88, -0.21 e -1.00

VELOCITY (MPH)



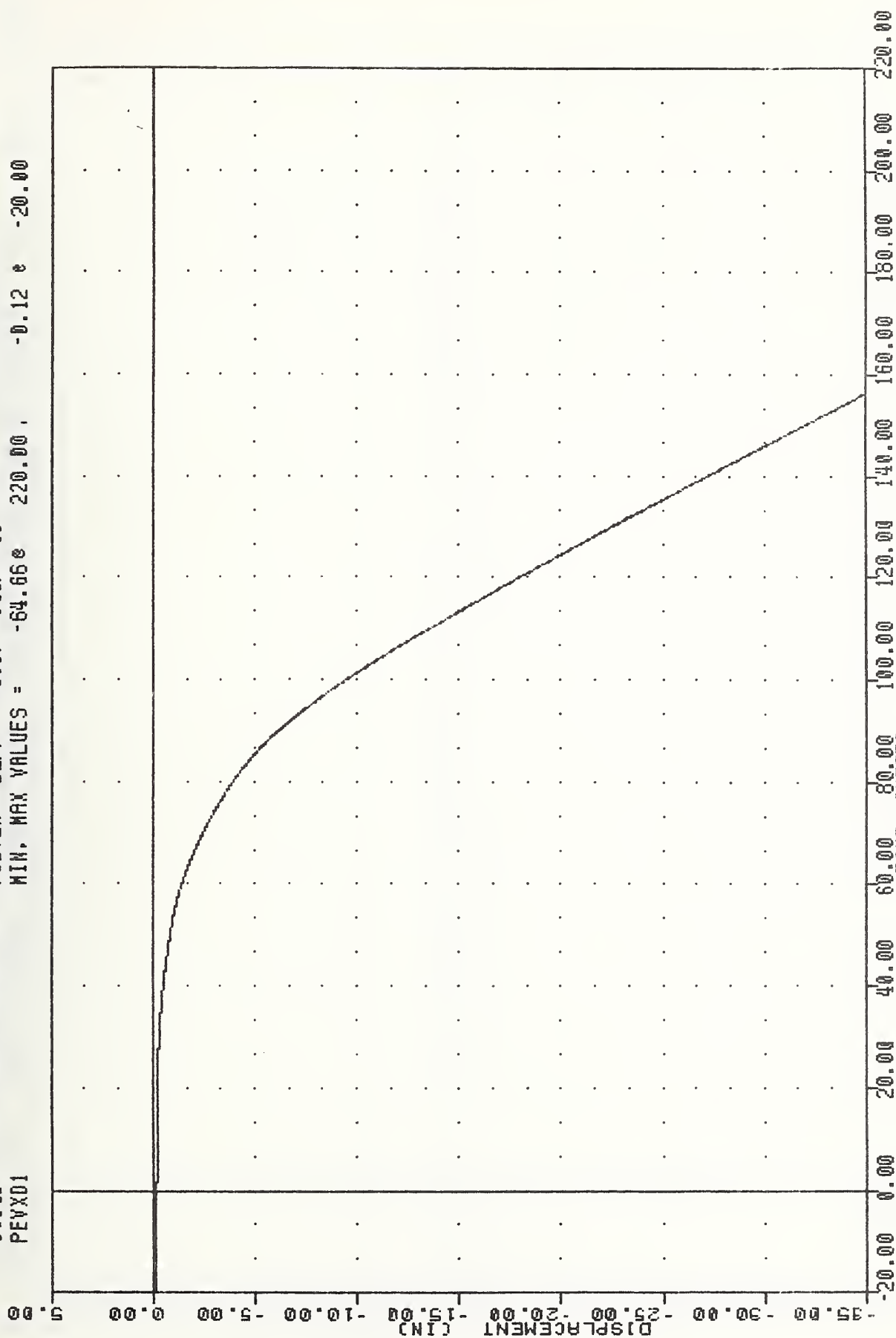
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING PEVX61

VRIC , RD384-4-35
BREEO AIRBAG SLED PROGRAM
85140
PEVX01

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -64.66e 220.00 , -0.12 e -20.00

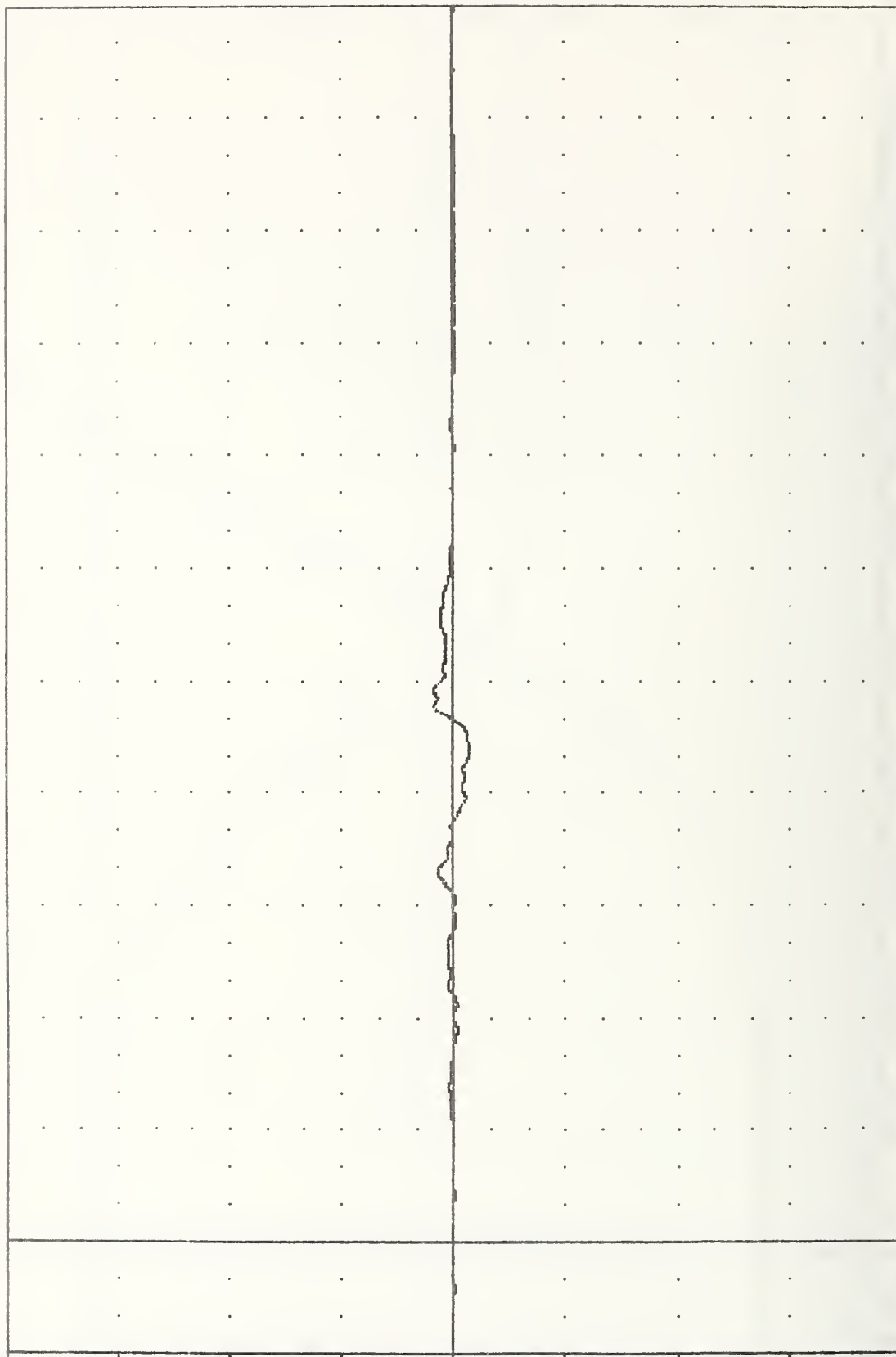


VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
PEVYG1

PLOT DATE 21-MAY-85 14:01:26

ACCELERATION (G)

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -7.60e 88.13, 8.69e 98.25



TIME (msec)

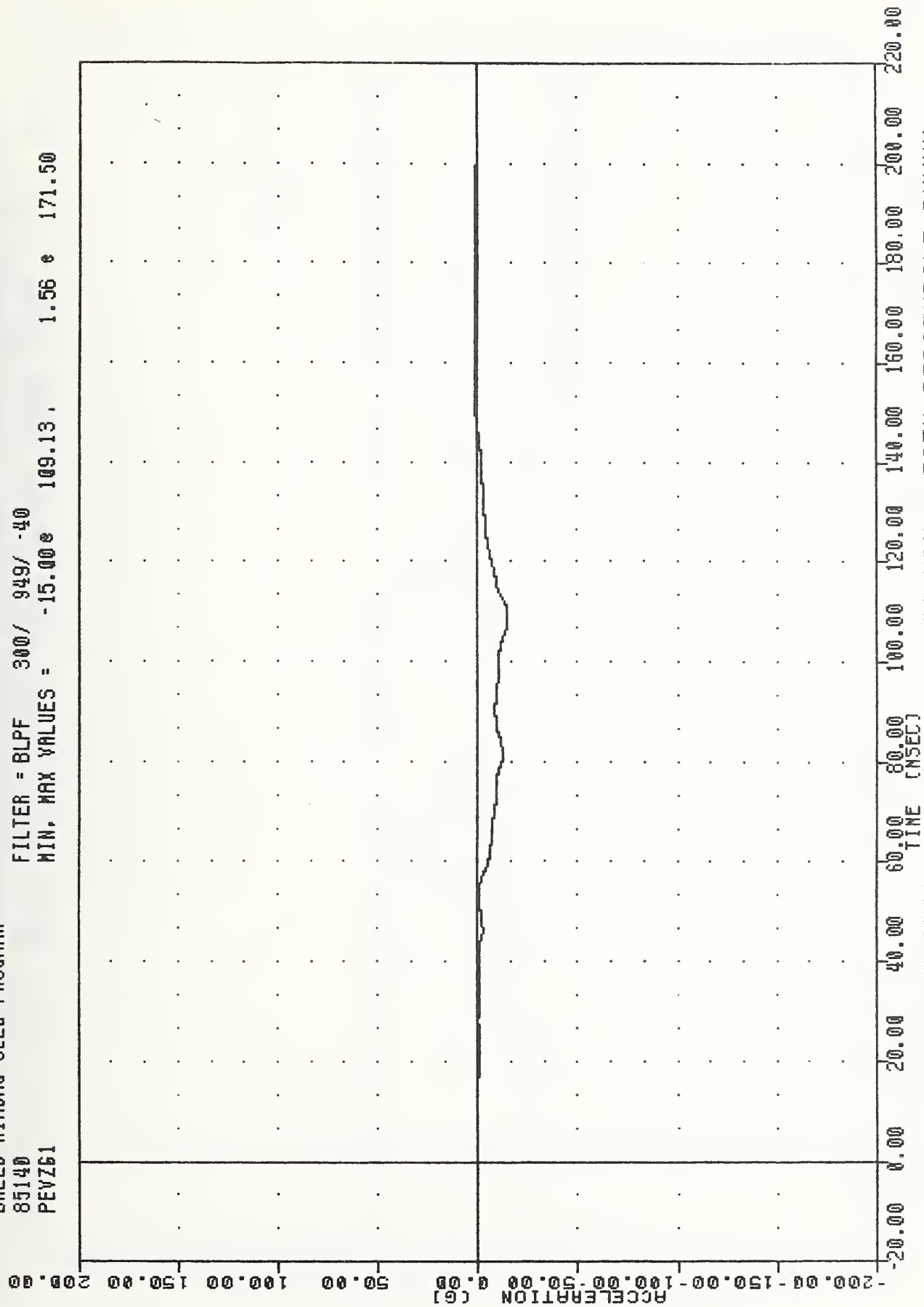
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 PEVZ61

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40

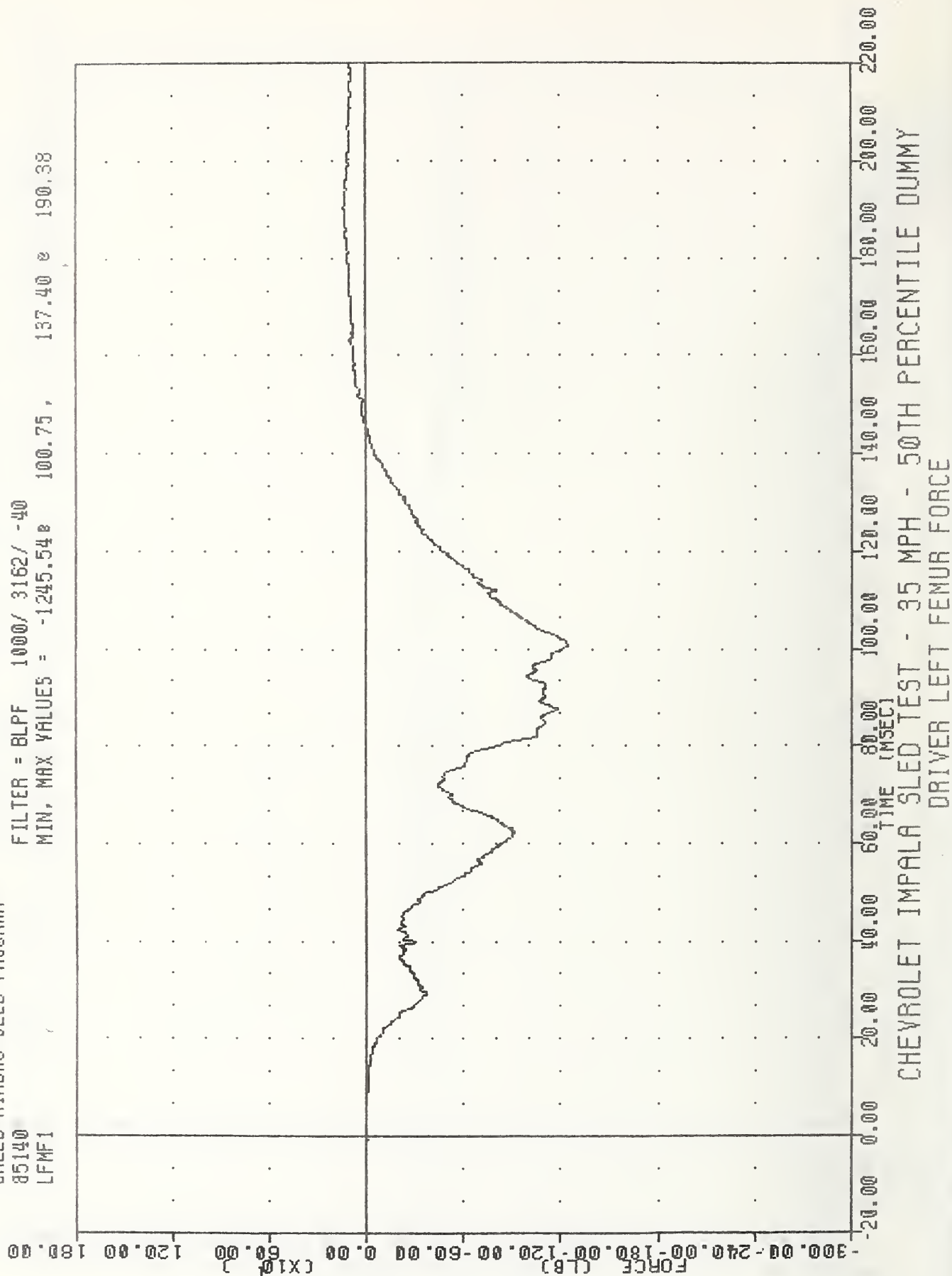
MIN. MAX VALUES = -15.00e 109.13 , 1.56 e 171.50



VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LFMF1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -1245.54e 100.75, 137.40 e 190.38

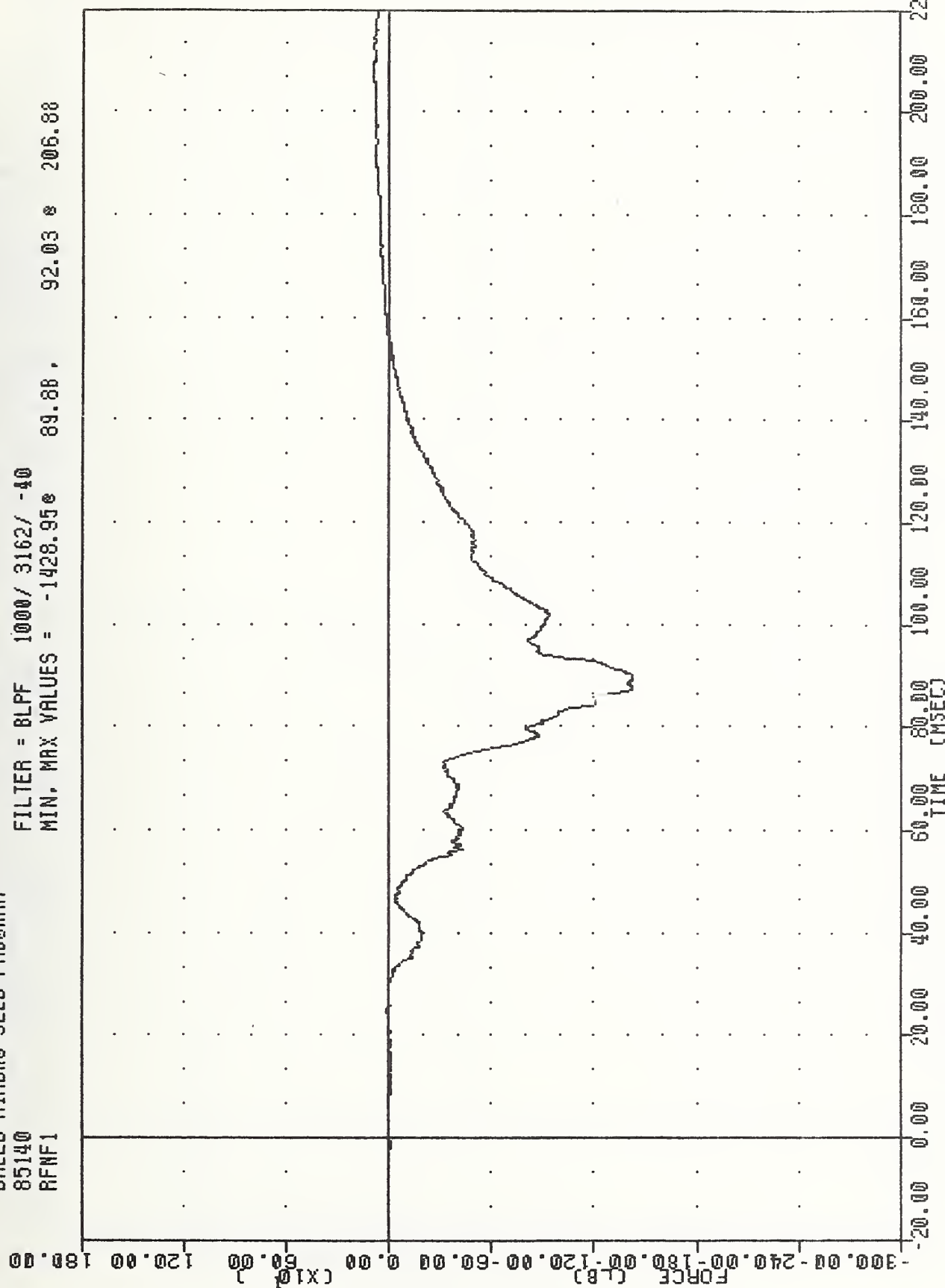


YRTC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 RFNF1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -1428.95 89.88 , 92.03 206.88

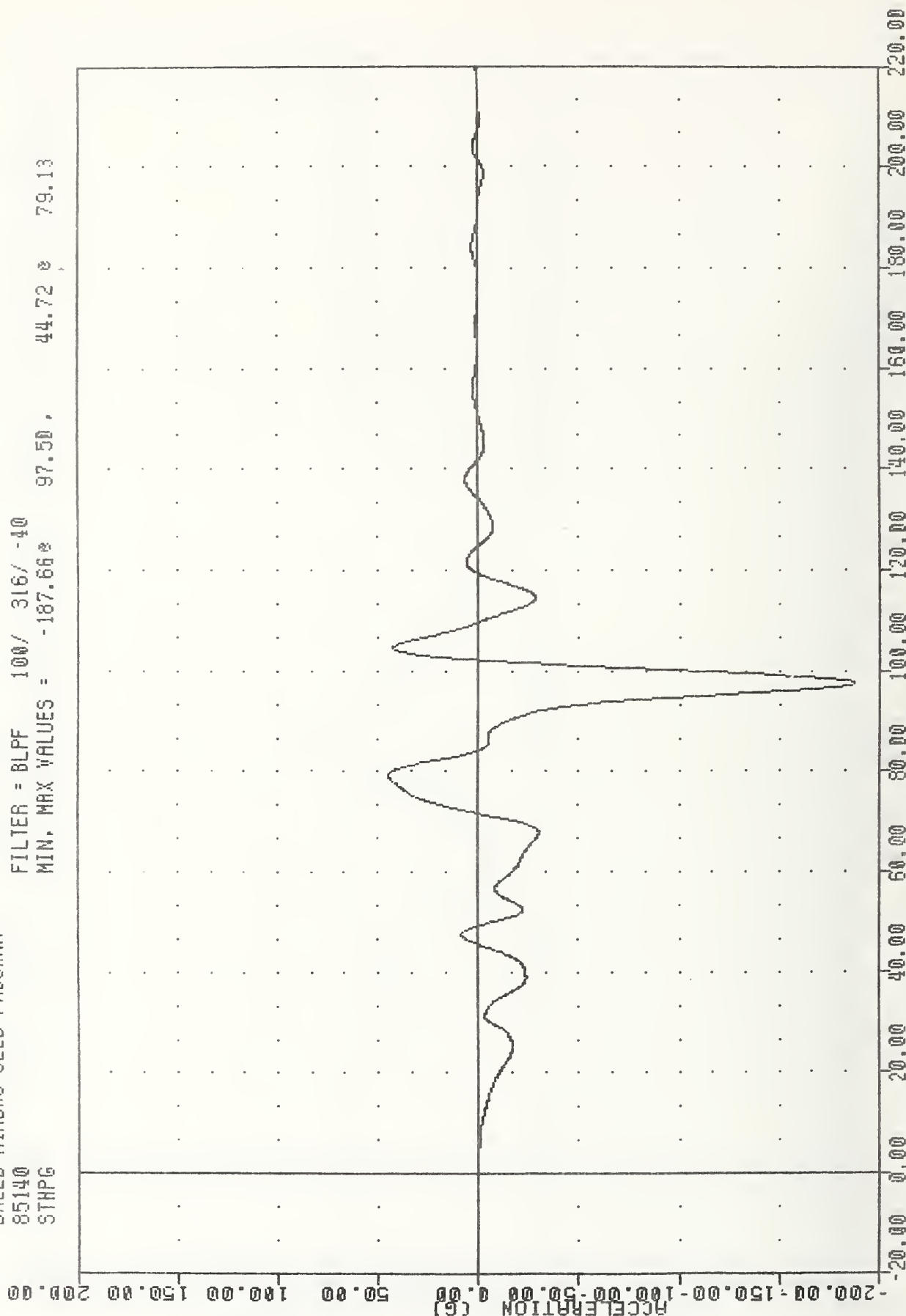


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-35
BRAED AIRBAG SLED PROGRAM
85140
STHPG

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -187.66 97.50 , 44.72 79.13



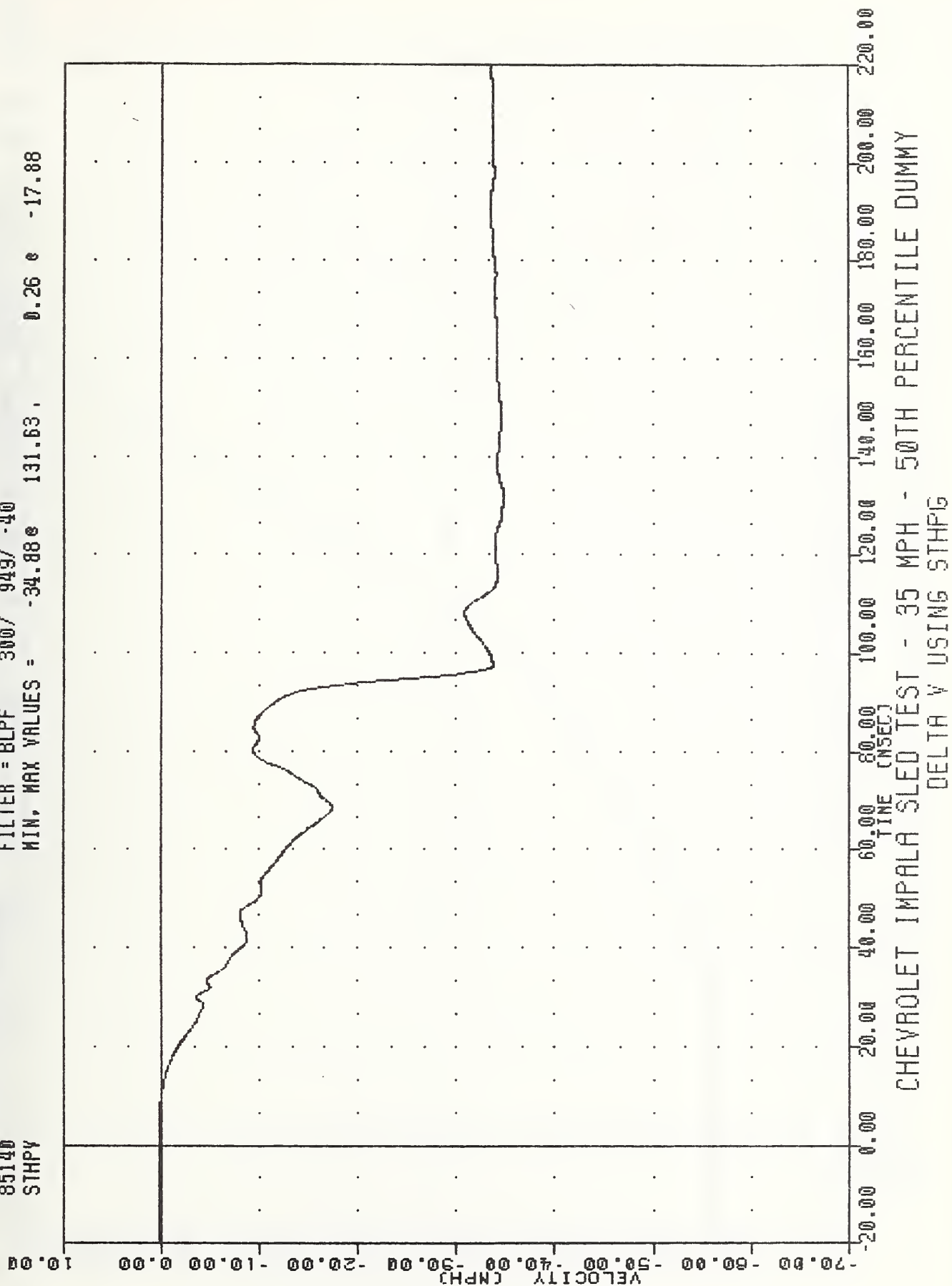
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VATIC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 STHPY

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -34.88e 131.63, 0.26 e -17.88



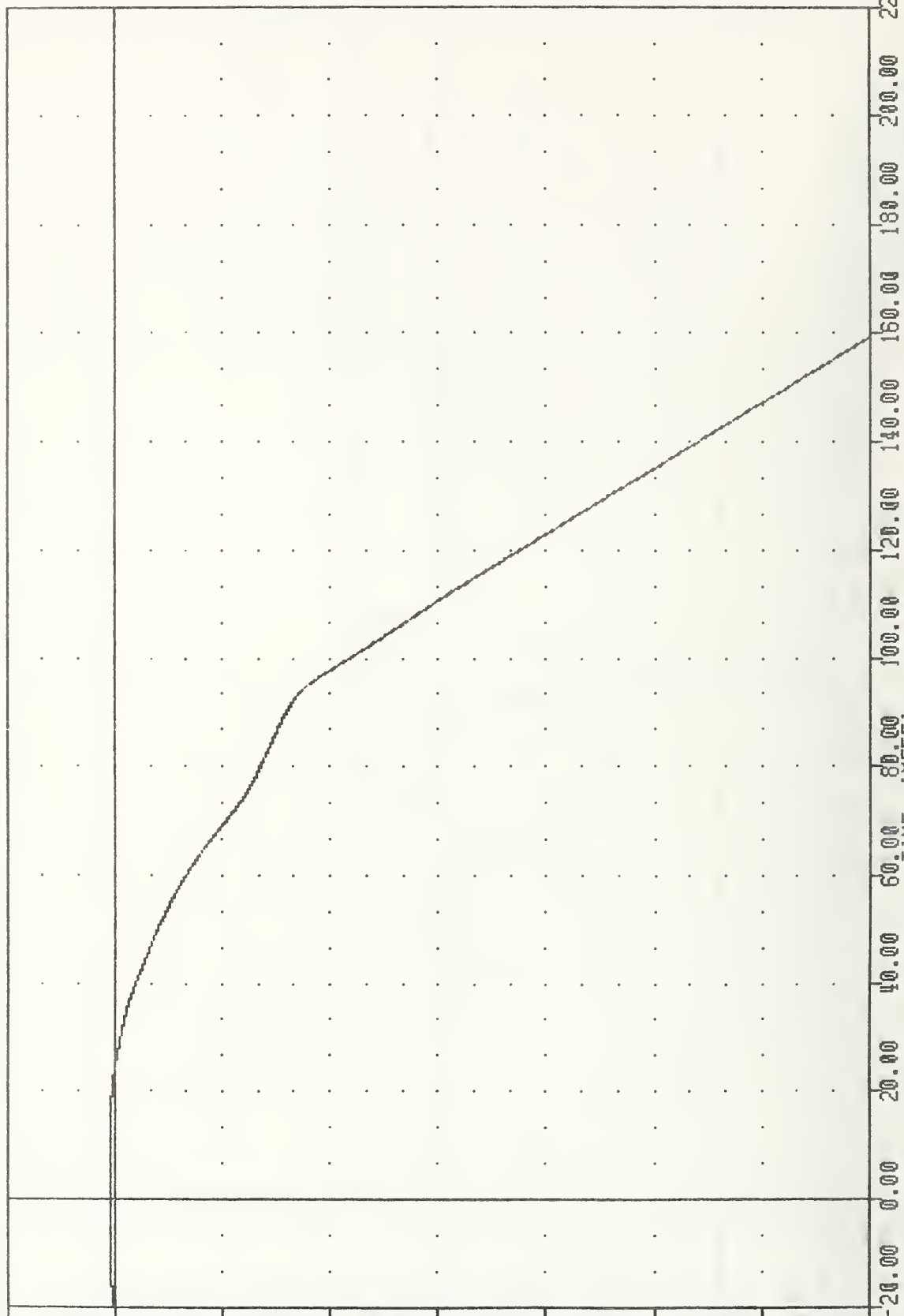
VRTC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 95140
 STHPD

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -59.63e 220.00, 0.20 e 9.75

DISPLACEMENT (IN)



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING STHPV

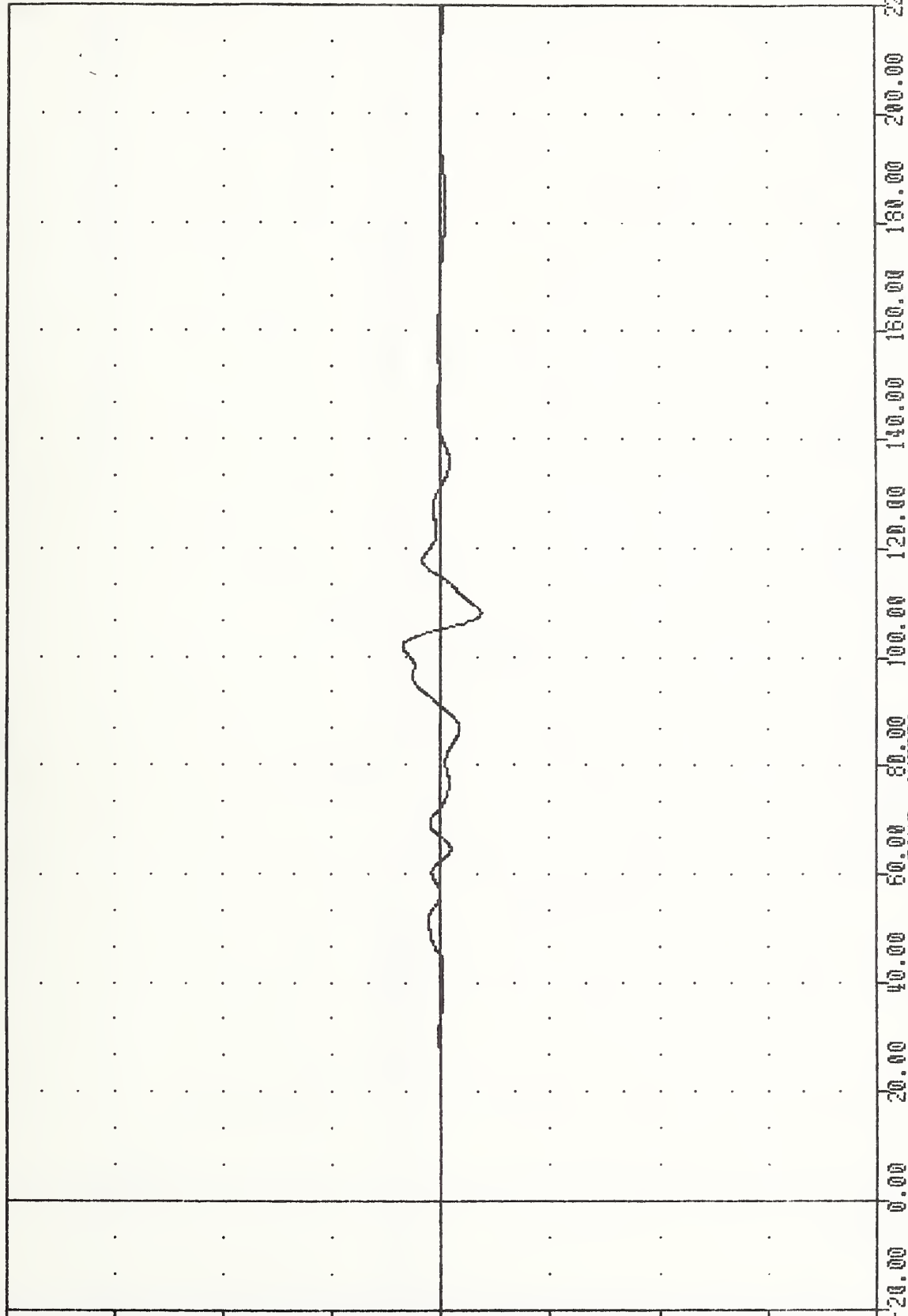
VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
STHLG

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -18.33e 108.00 , 17.69 e 101.75

ACCELERATION (G)



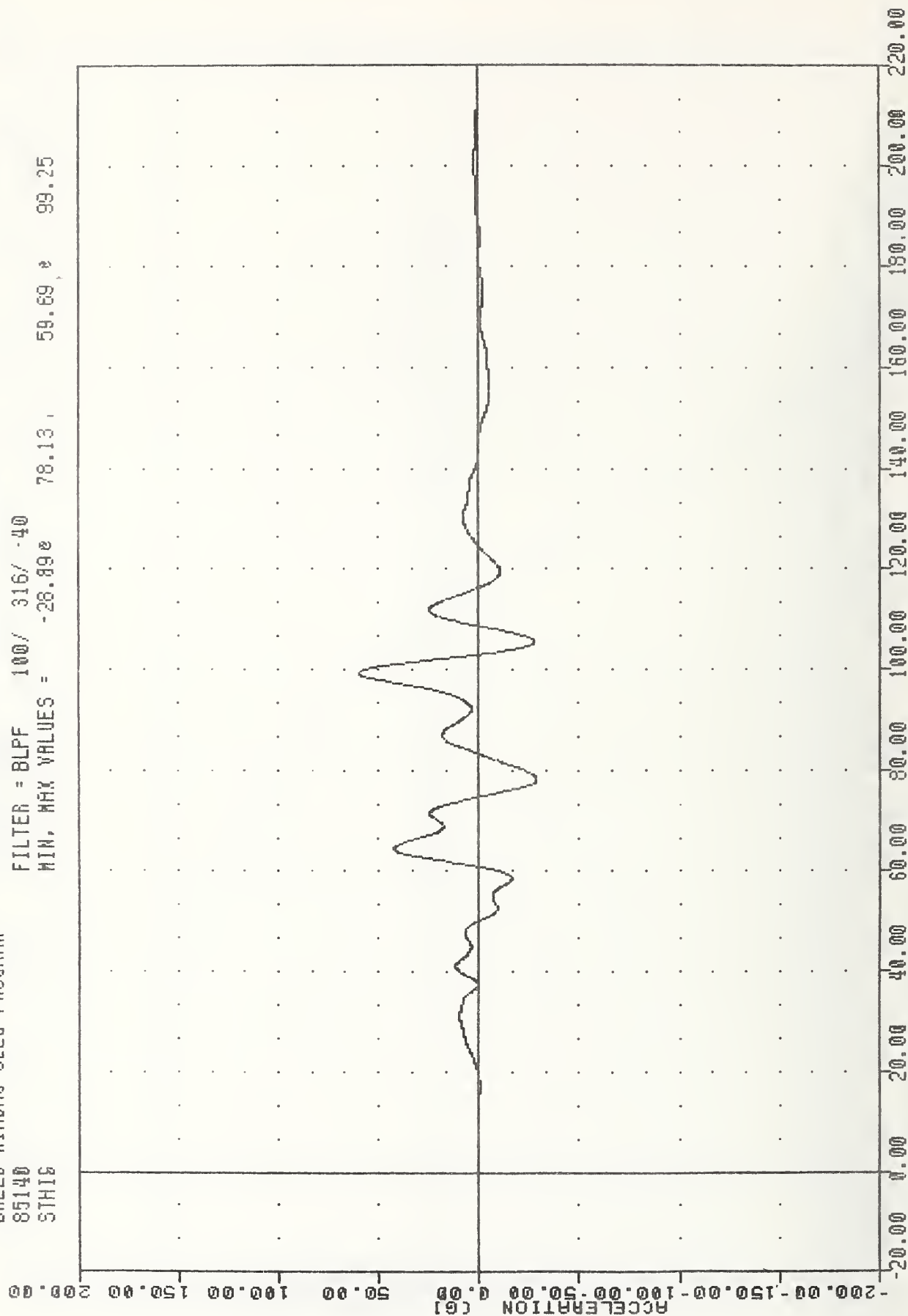
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

VRTC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 STHIS

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -26.89e 78.13, 59.69, 99.25



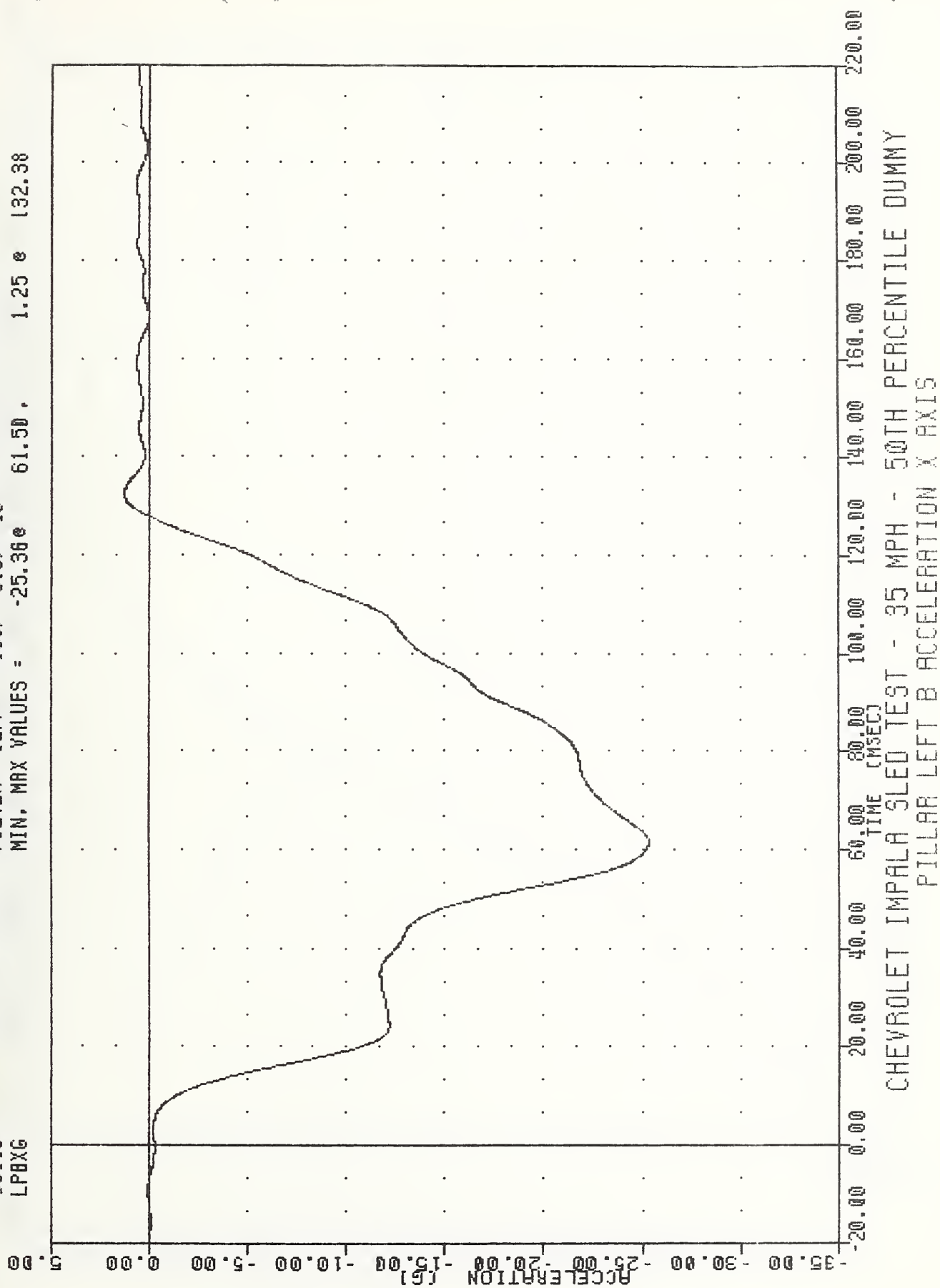
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION I-S AXIS

VRIC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LPBXG

PLOT DATE 21-MAY-85 14:01:26

FILTER = 8LPF 100/ 316/ -40

MIN, MAX VALUES = -25.36e 61.50, 1.25 e 132.38



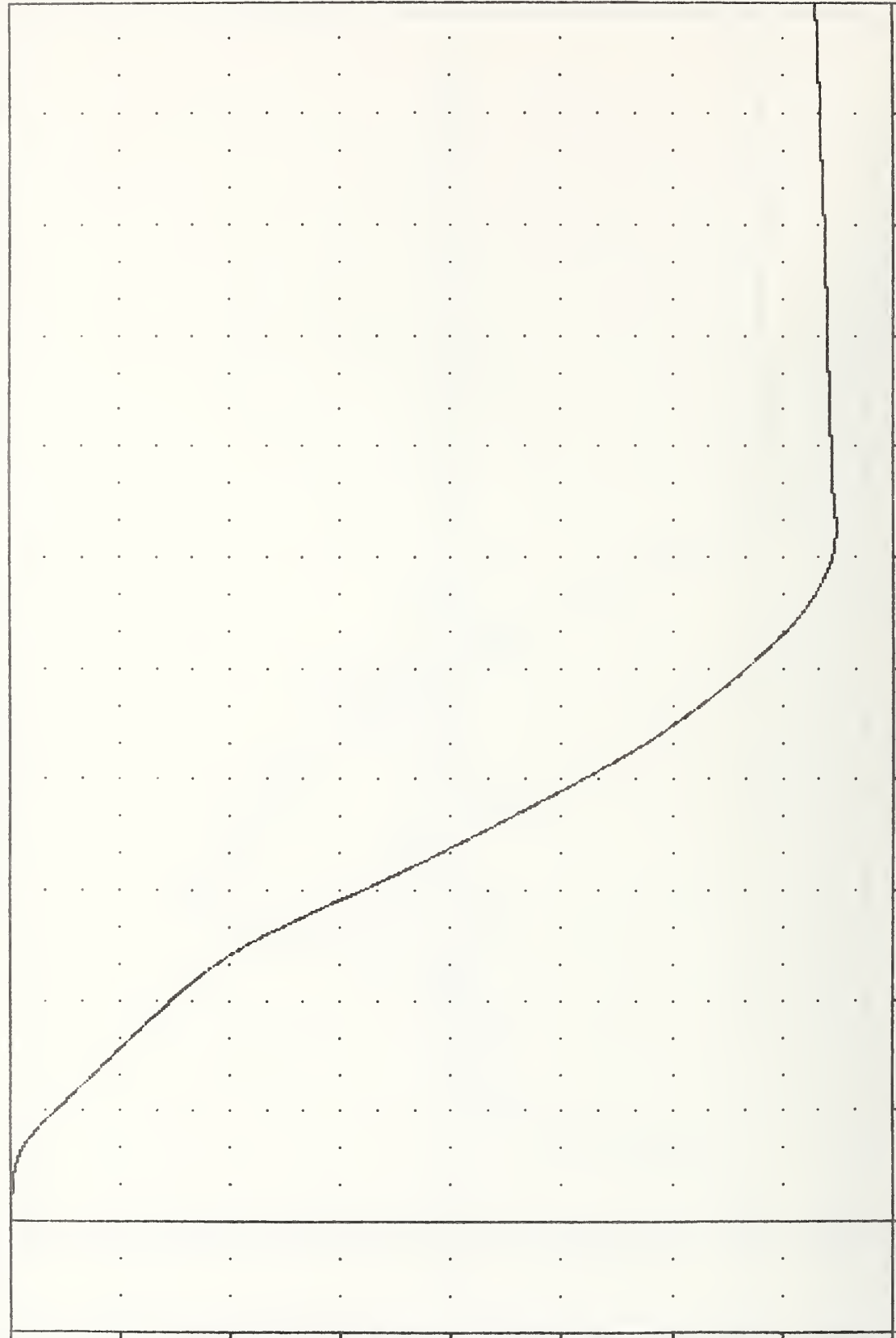
YRIC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 LPBXV

PLOT DATE 21-MAY-85 14:02:48

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -37.44e 125.25, 0.00 e -20.00

VELOCITY (MPH)



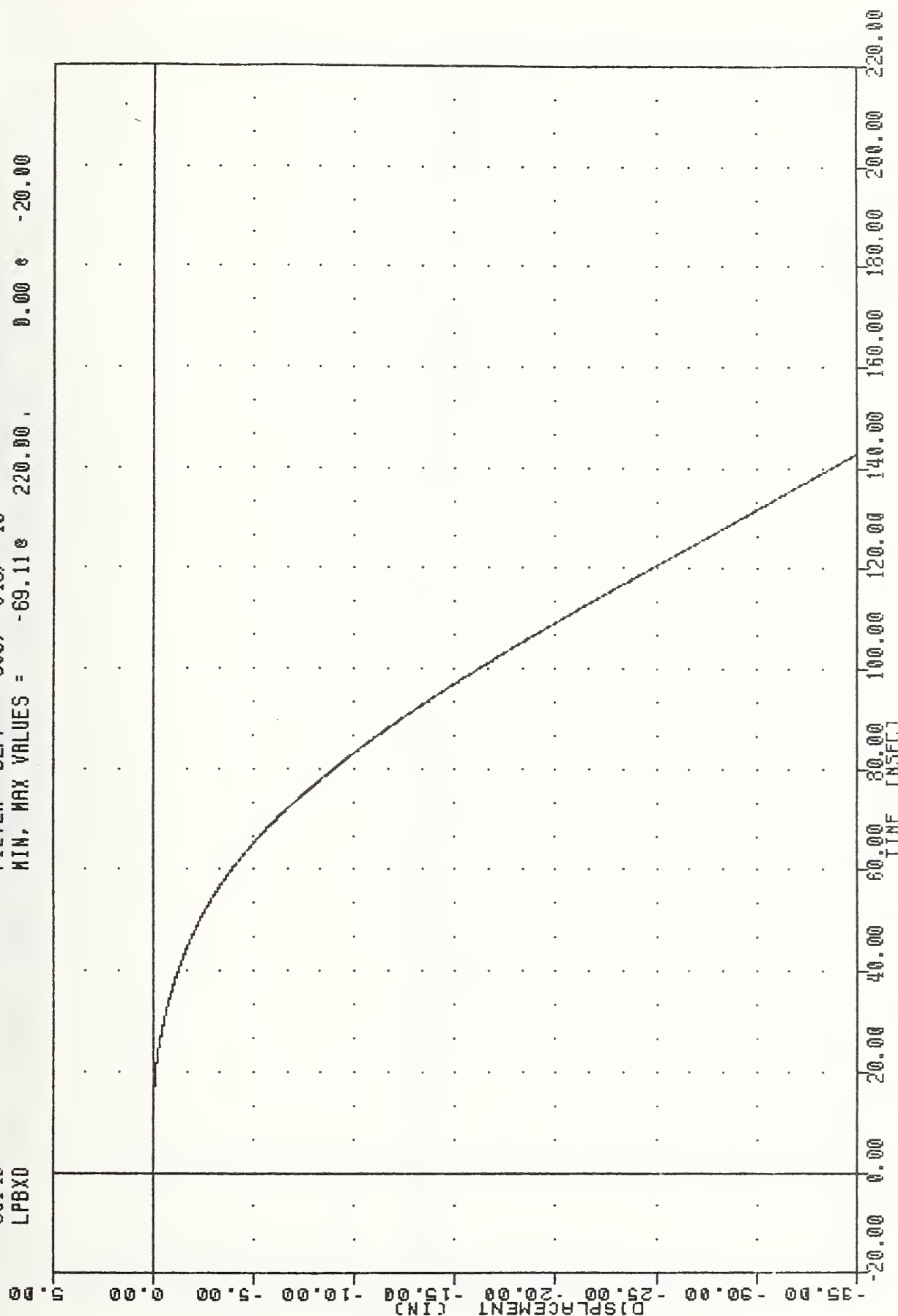
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING LPBXG

VATC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 LPBX0

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -69.11 220.00 , 0.00 -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING LPBXV

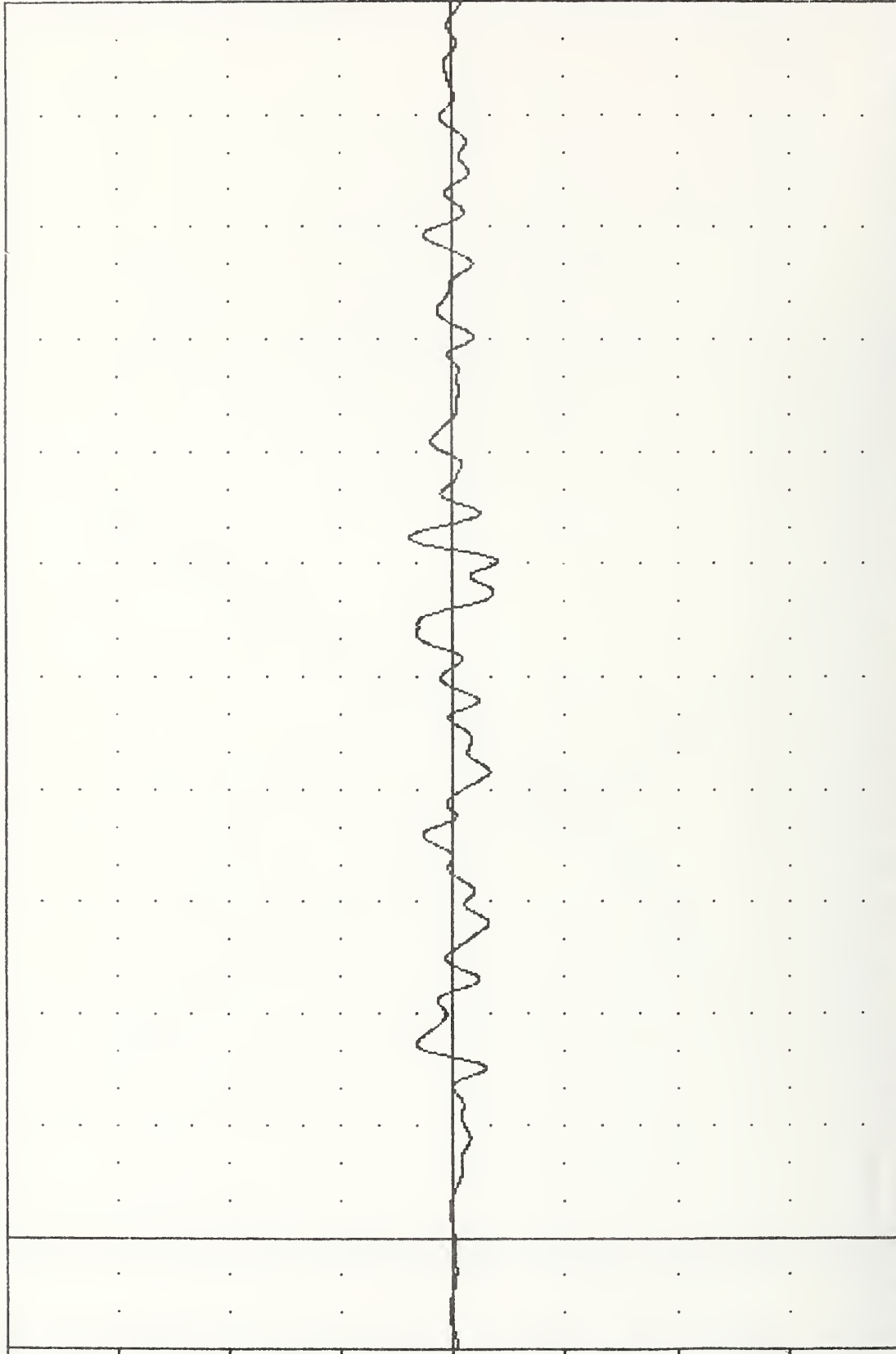
WRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LPBY6

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -2.02g 120.38 , 1.93 g 124.75

ACCELERATION (G)



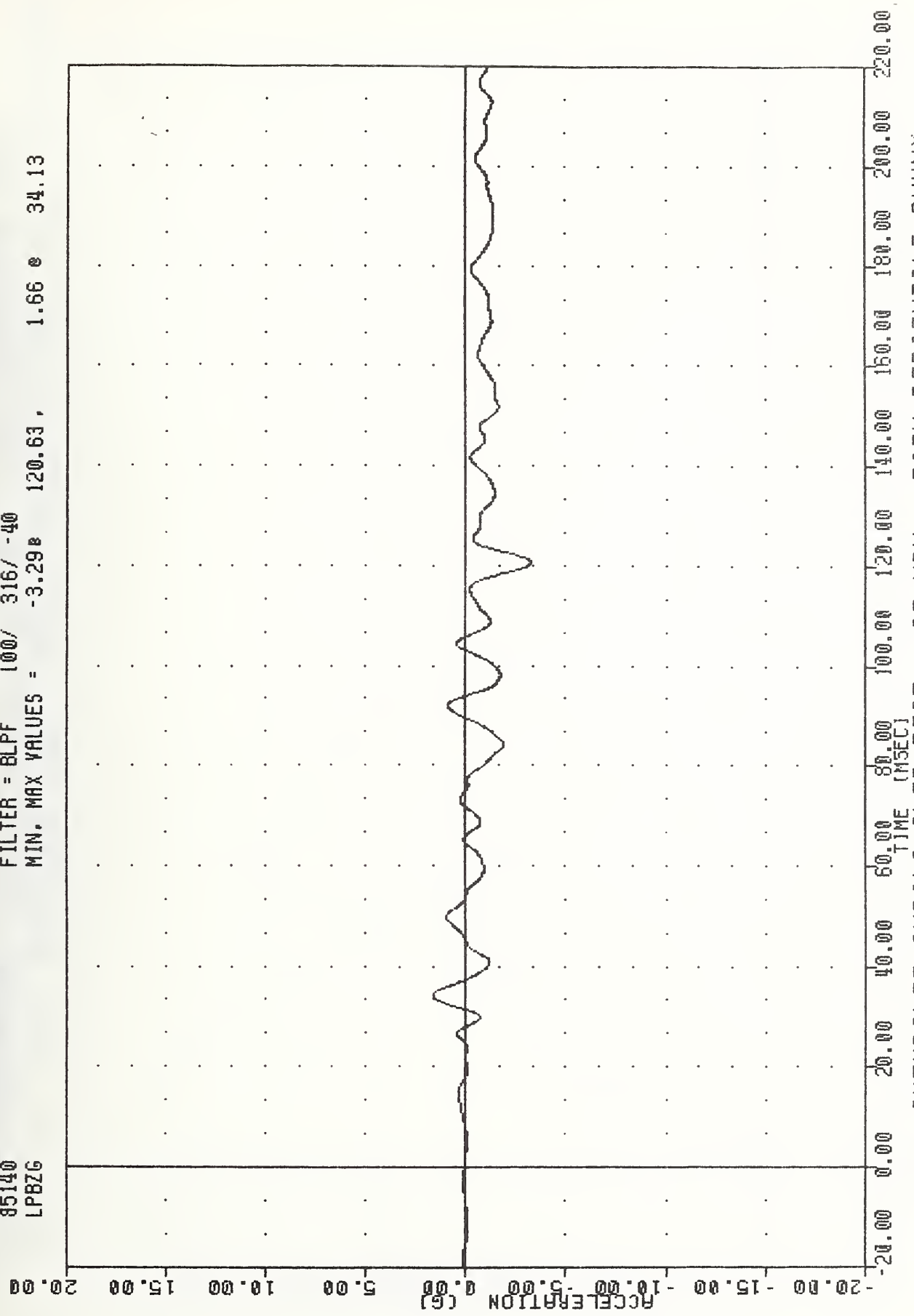
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85140
LPBZG

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -3.29e 120.63, 1.66 e 34.13



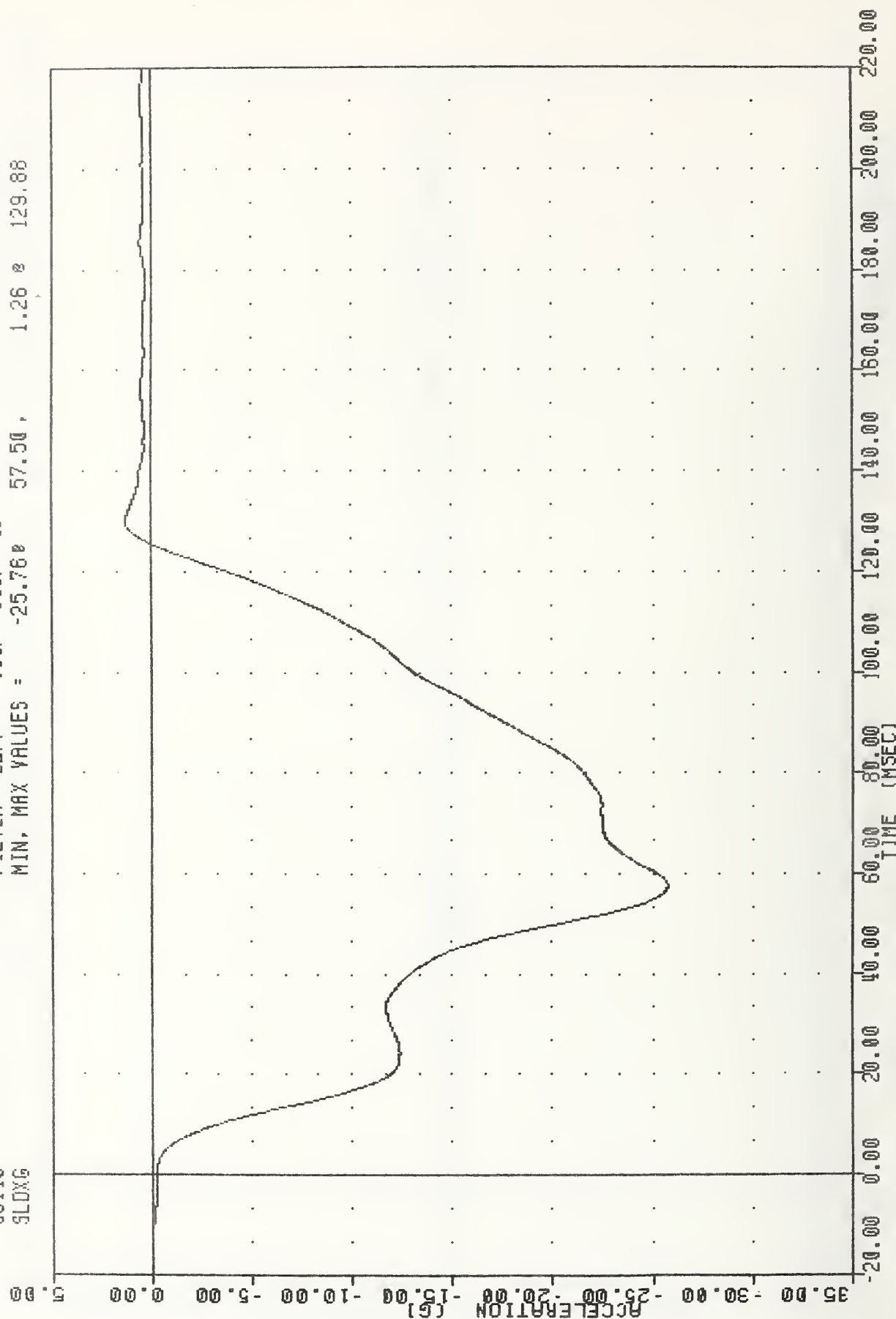
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 SLDX6

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -25.76g 57.50 , 1.26 g 129.88



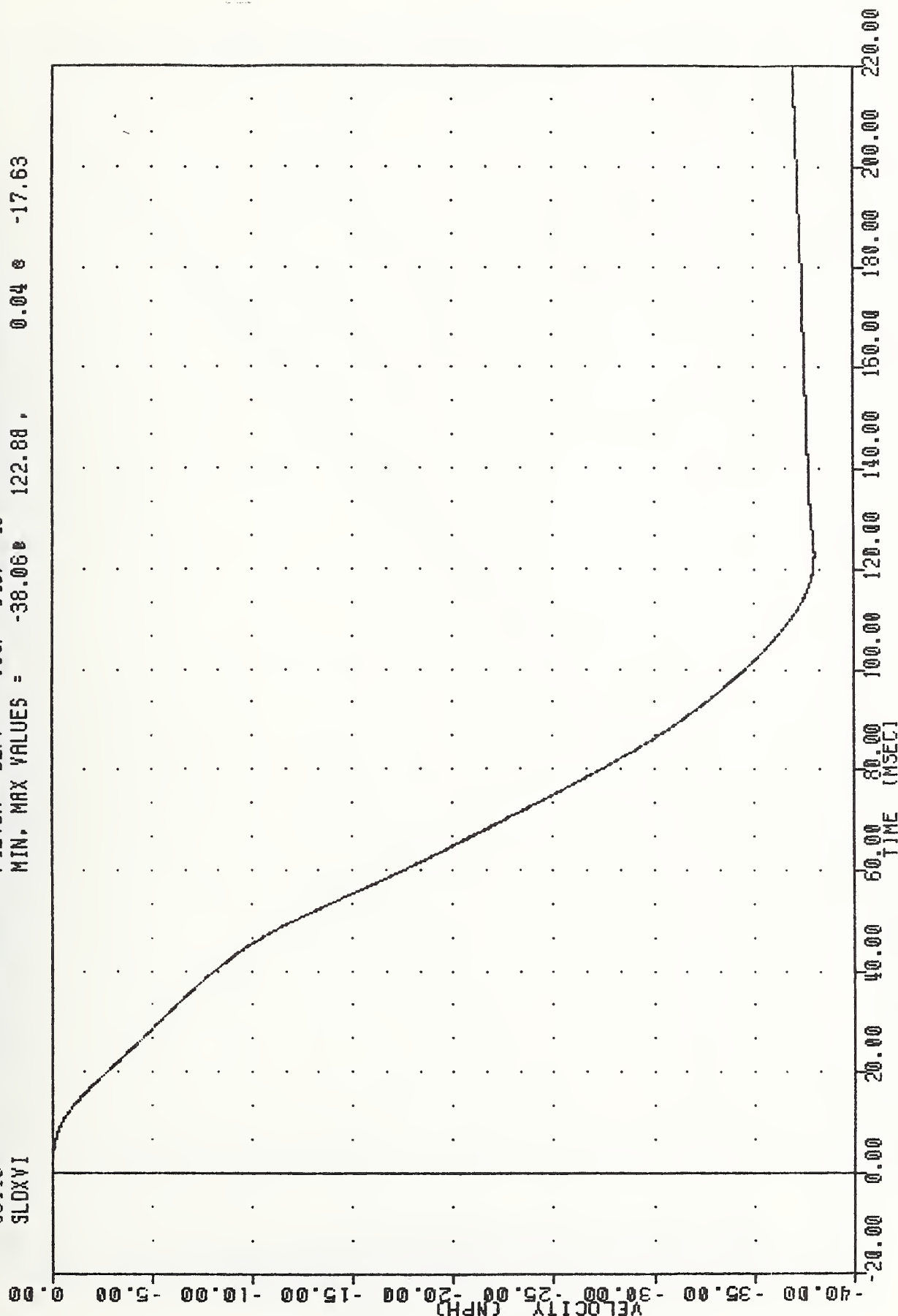
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 SLED ACCELERATION

VRTC , R0384-4-35
BREED AIRBAG SLED PROGRAM
85140
SLOXVI

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.06 122.88 0.04 e -17.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

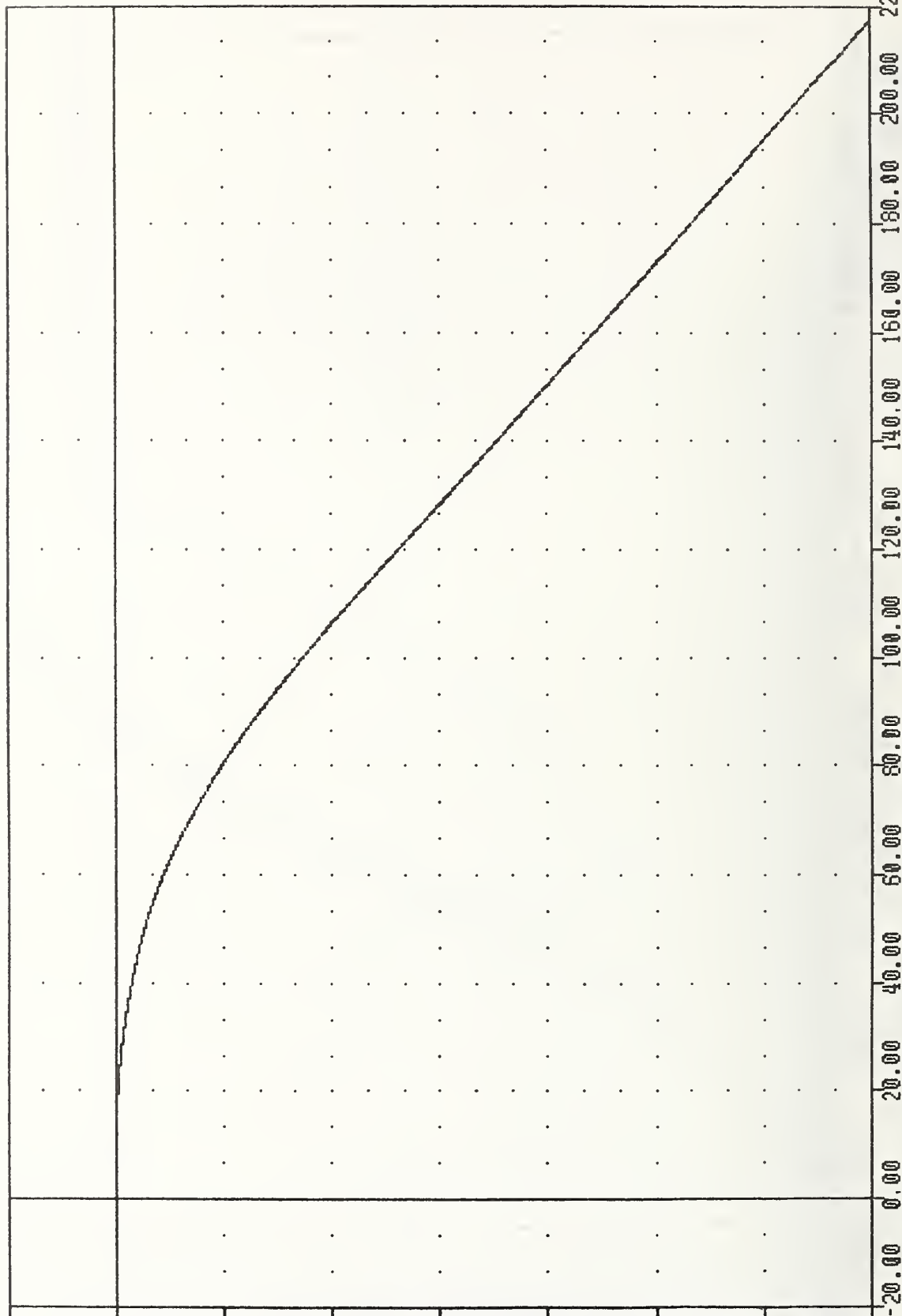
VRTC , R0384-4-35
BREED AIRBAG SLED PROGRAM
85140
SLOXD

PLOT DATE 21-MAY-85 14:02:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -71.18 220.00 , 0.03 2.00

DISPLACEMENT (IN)



300

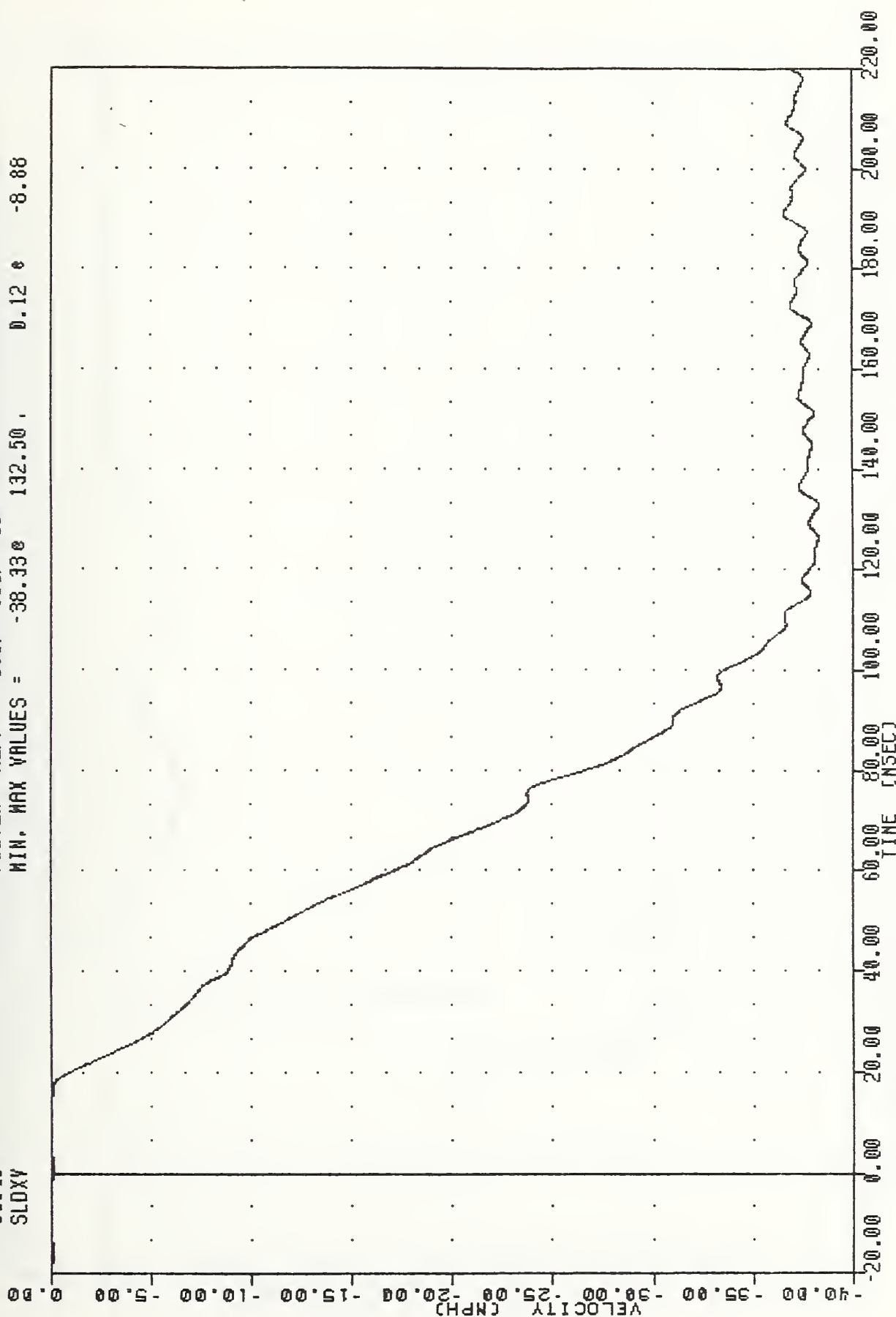
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING SLOXVI

VATC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
SLOXY

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -38.33 132.50 0.12 -8.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

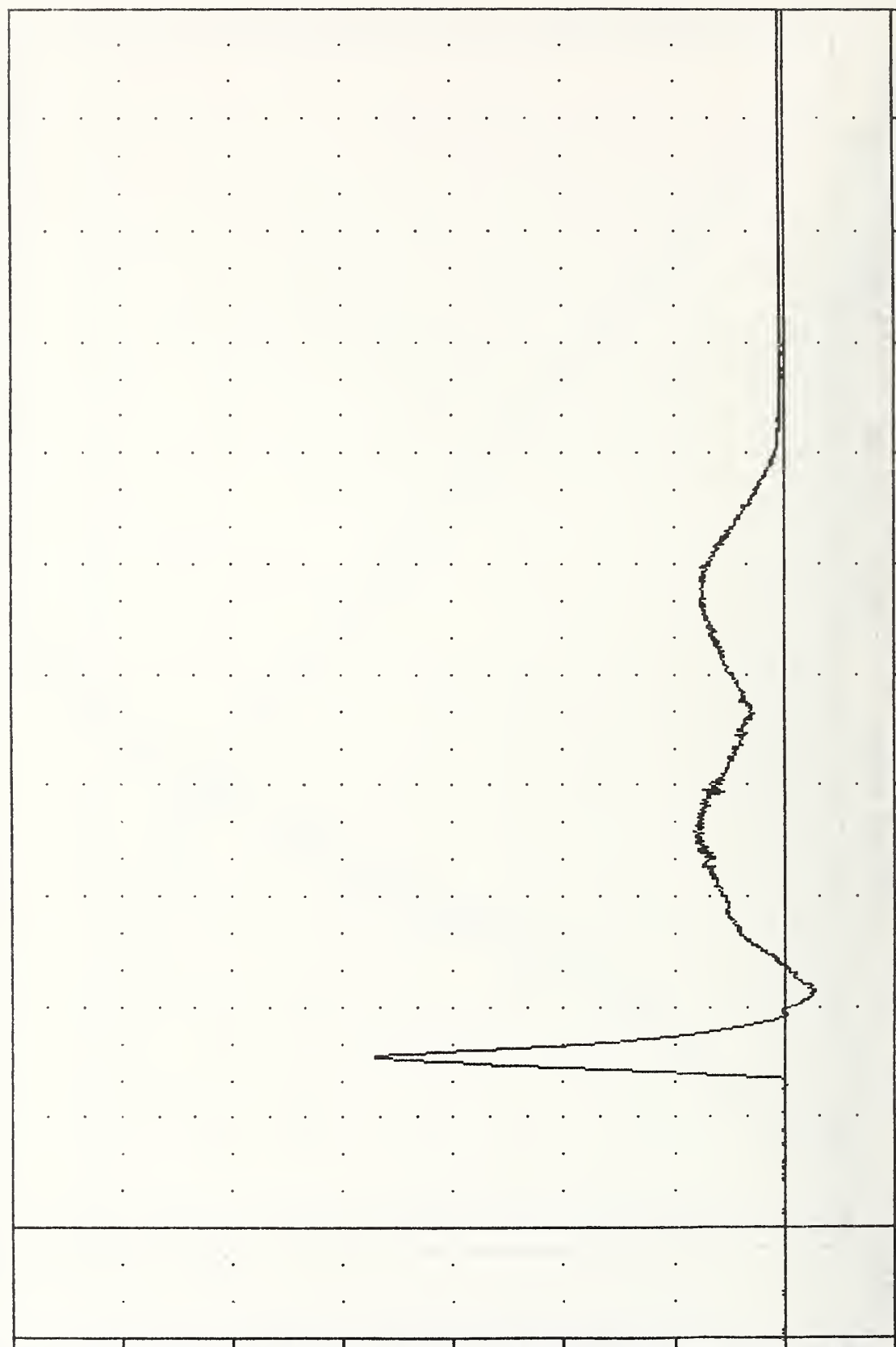
VRIC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 ABTP

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.88e 42.88, 37.14 e 31.00

Pressure (PSIG)



-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

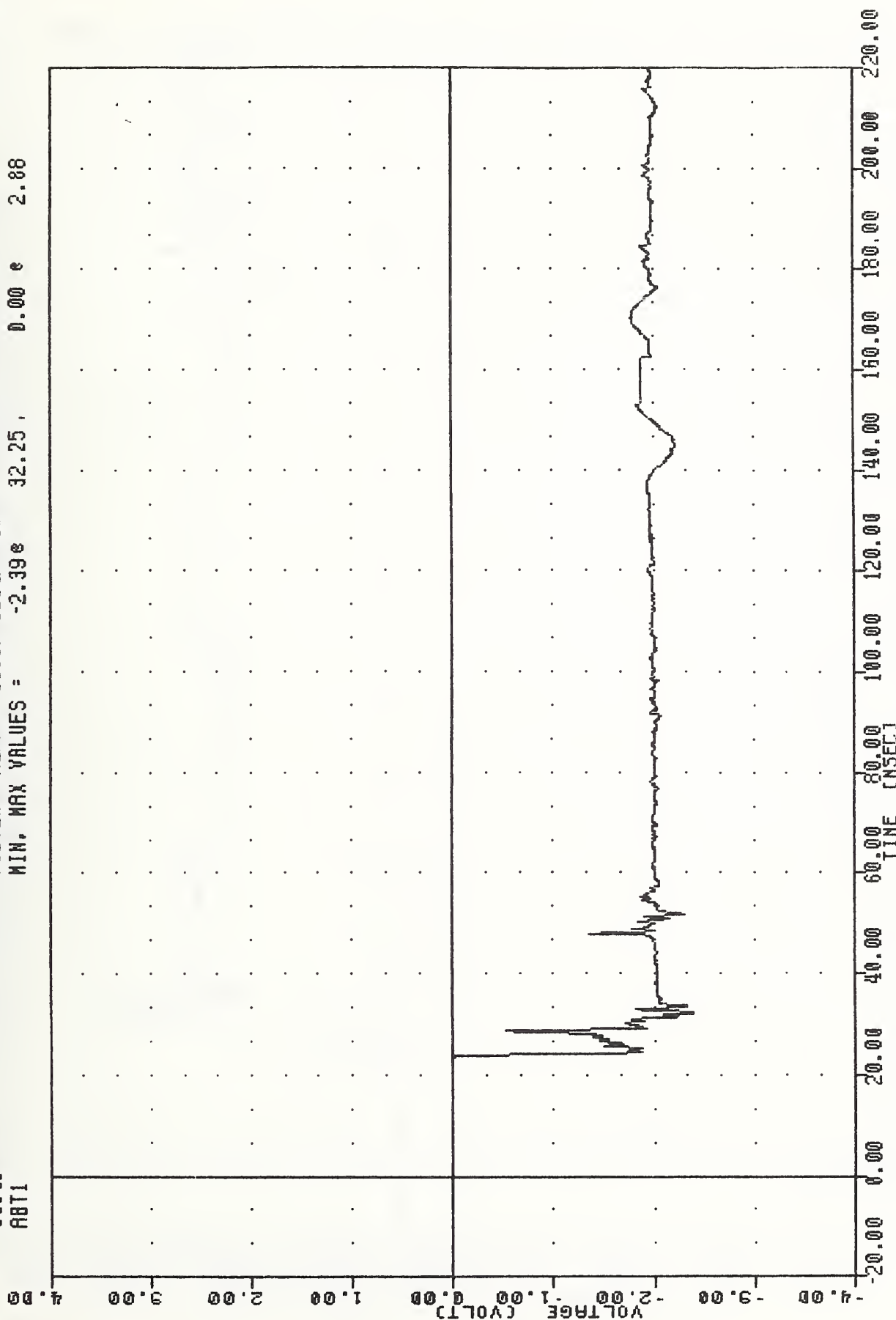
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VATC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
ABT1

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.39e 32.25 , 0.00 e 2.88



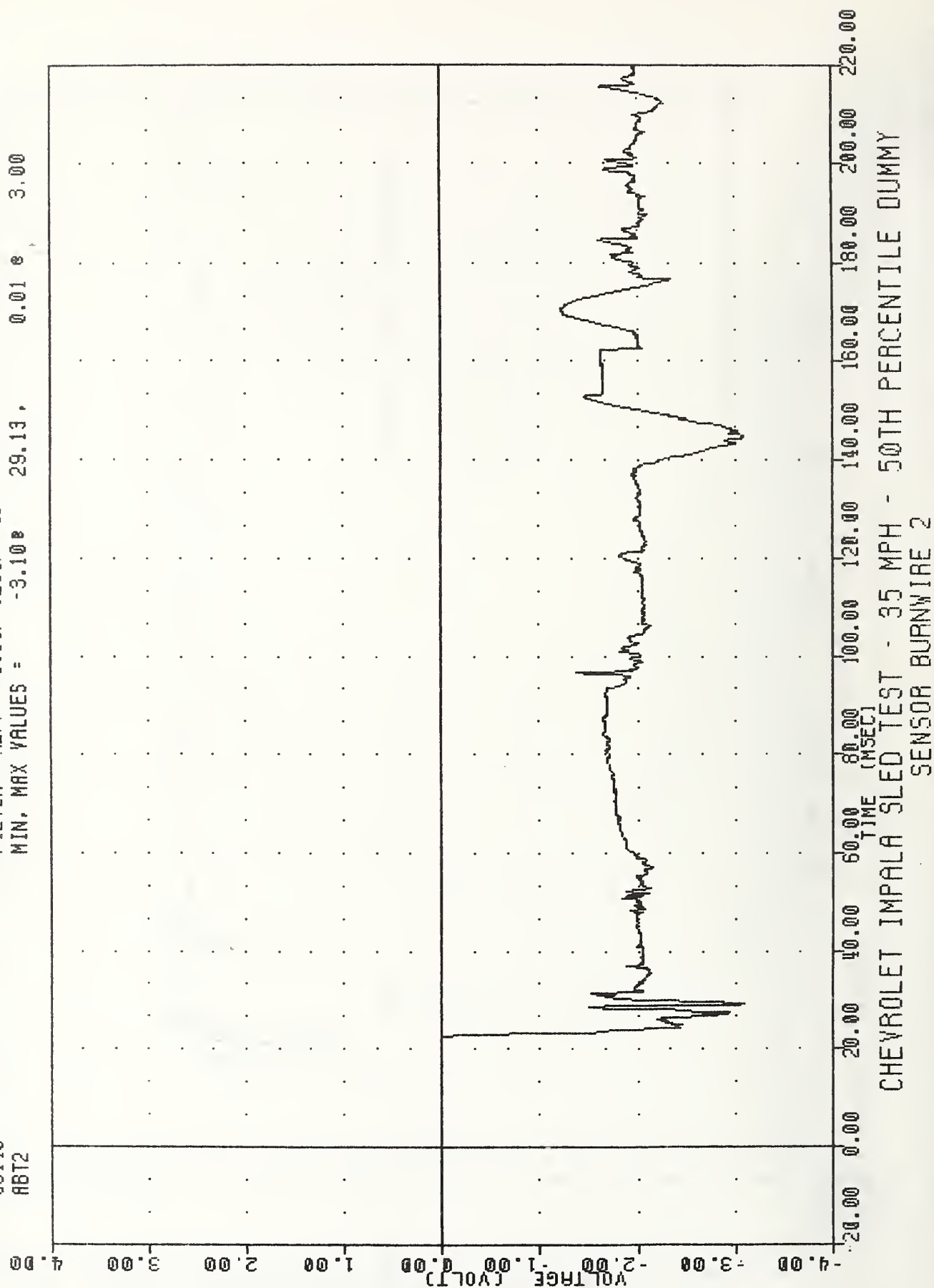
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
ABT2

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.10e 29.13, 0.01e 3.00



VRTC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 ABT3

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.03e 3.00 , 2.31 e 25.38

4.00

3.00

2.00

1.00

0.00

305

VOLTAGE (VOLT)

-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)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

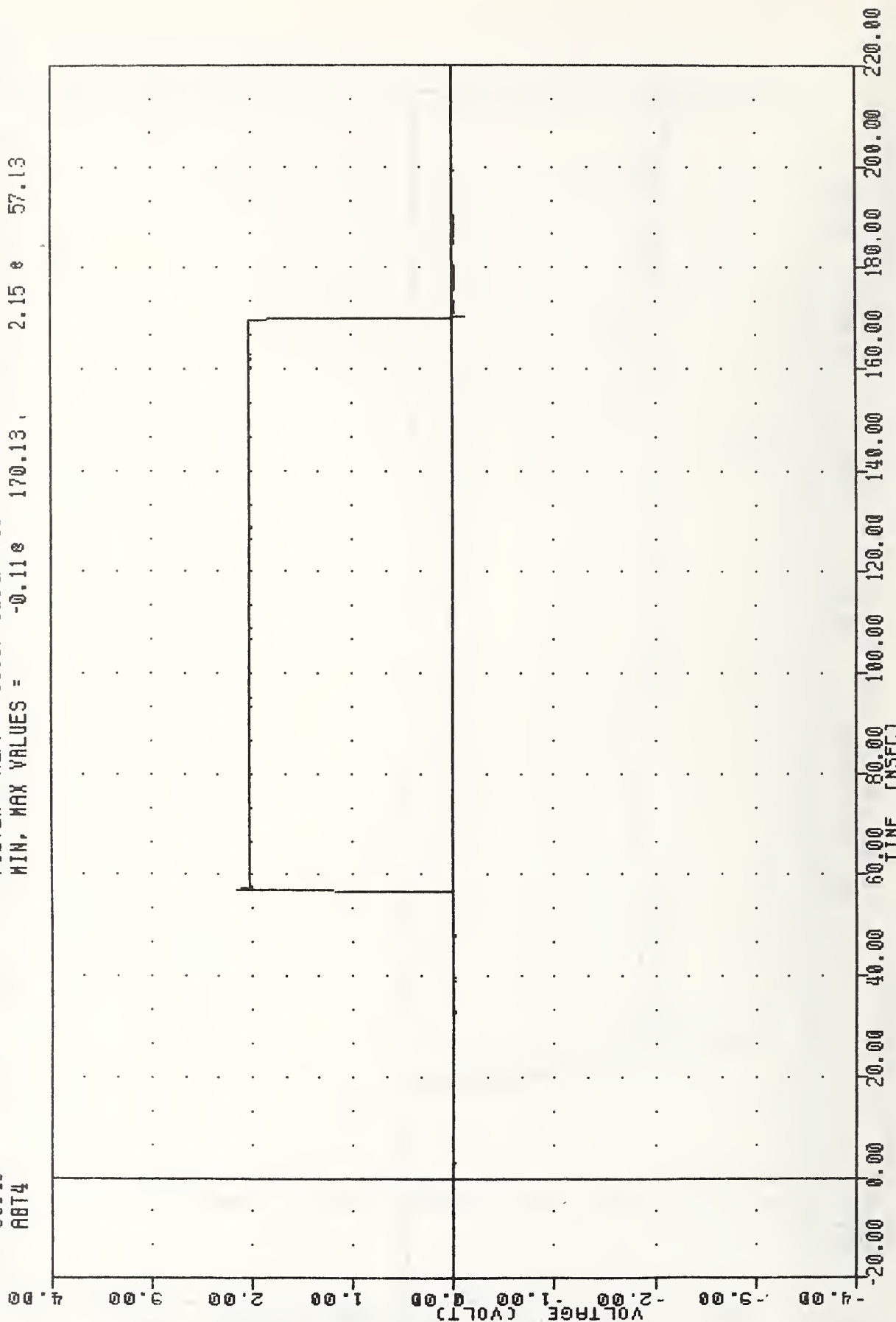
BREED B-PILLAR SENSOR

VATC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 ABT4

PLOT DATE 21-MAY-85 14:01:26

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.11e 170.13, 2.15 e 57.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 KNEE CONTACT

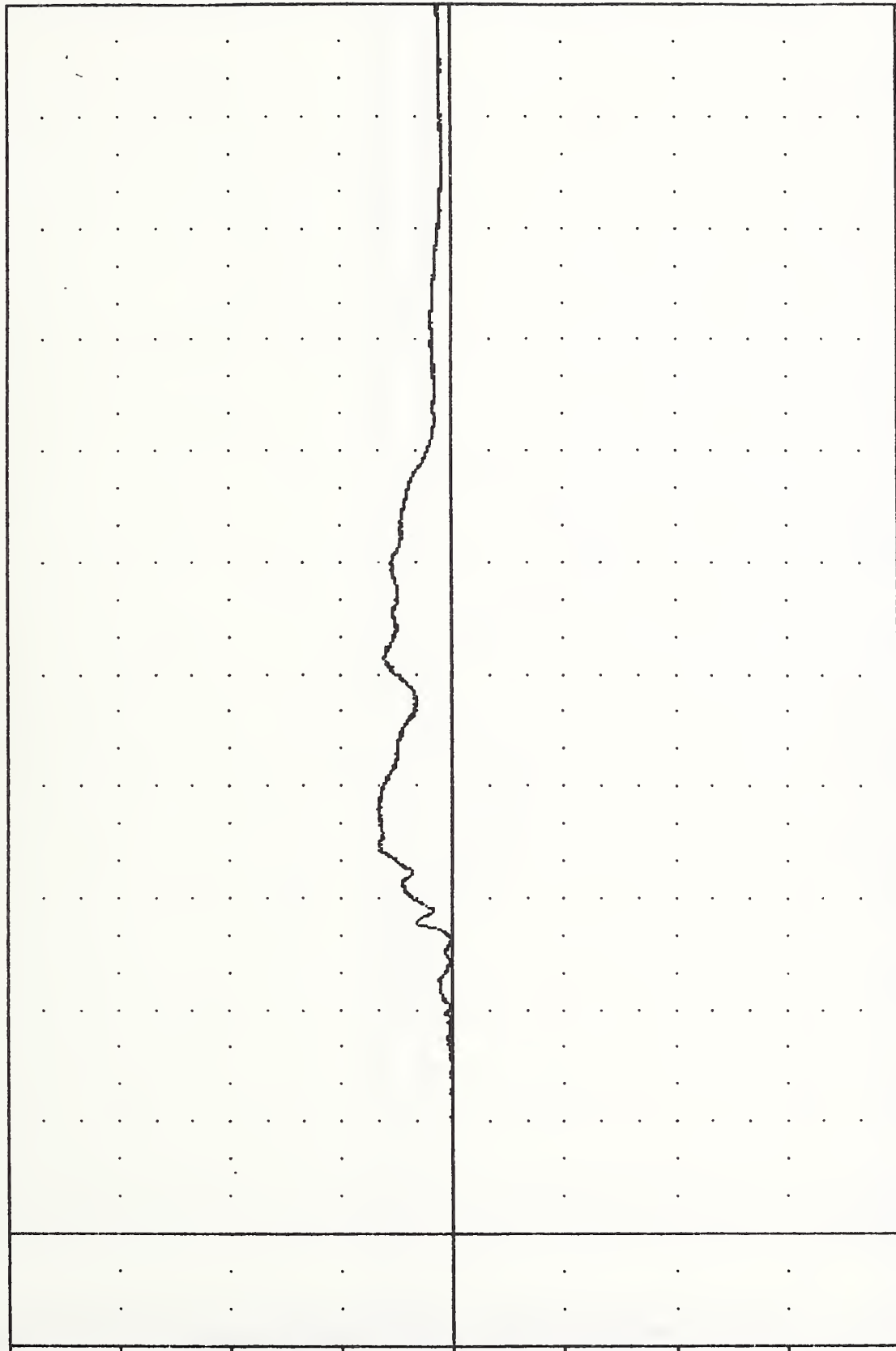
VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
HEADG1

PLOT DATE 21-MAY-85 14:03:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.05e -15.75, 33.70 e 75.88

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

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

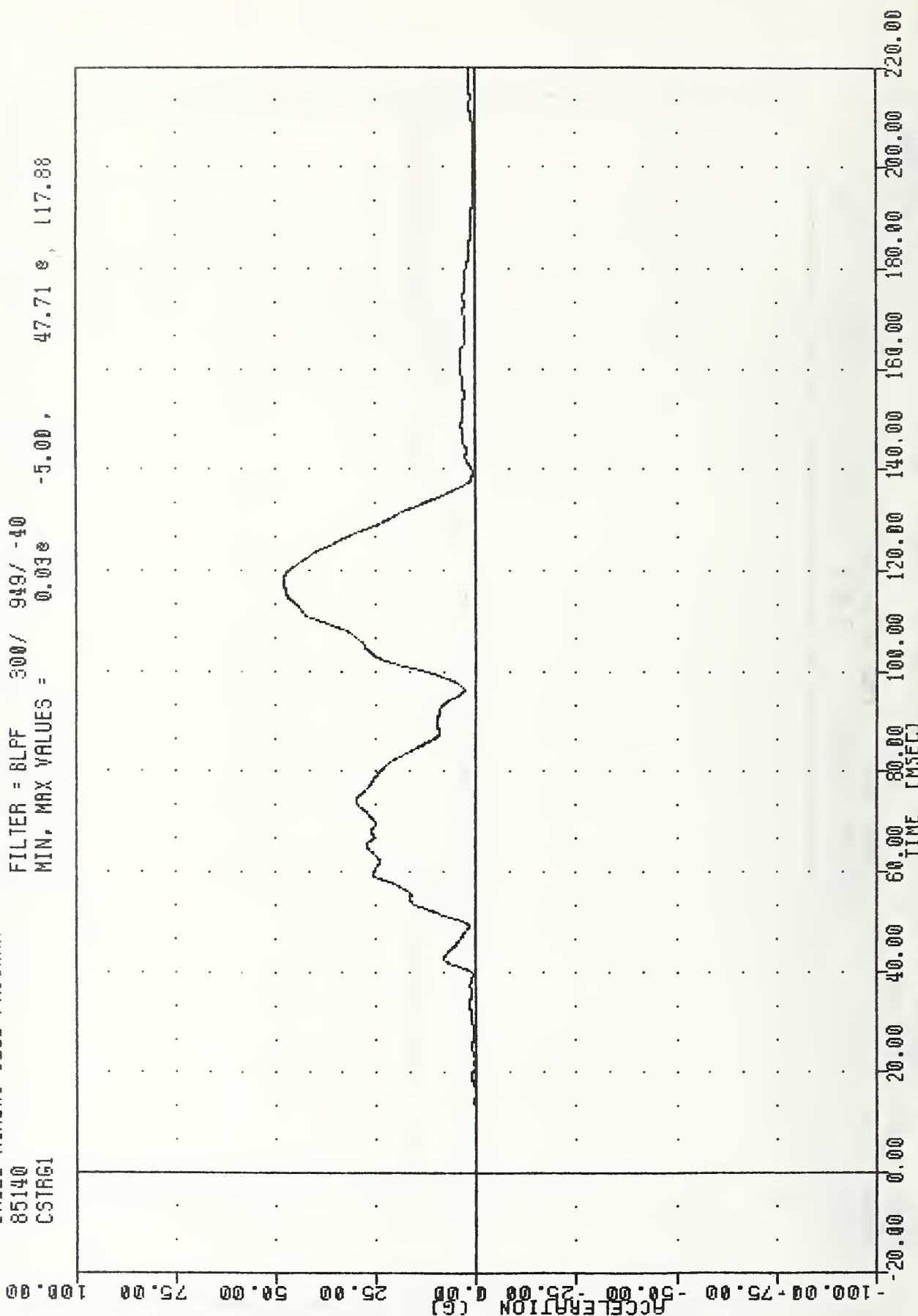
DRIVER HEAD RESULTANT

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
CSTRG1

PLOT DATE 21-MAY-85 14:03:25

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.03e -5.00, 47.71 e, 117.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

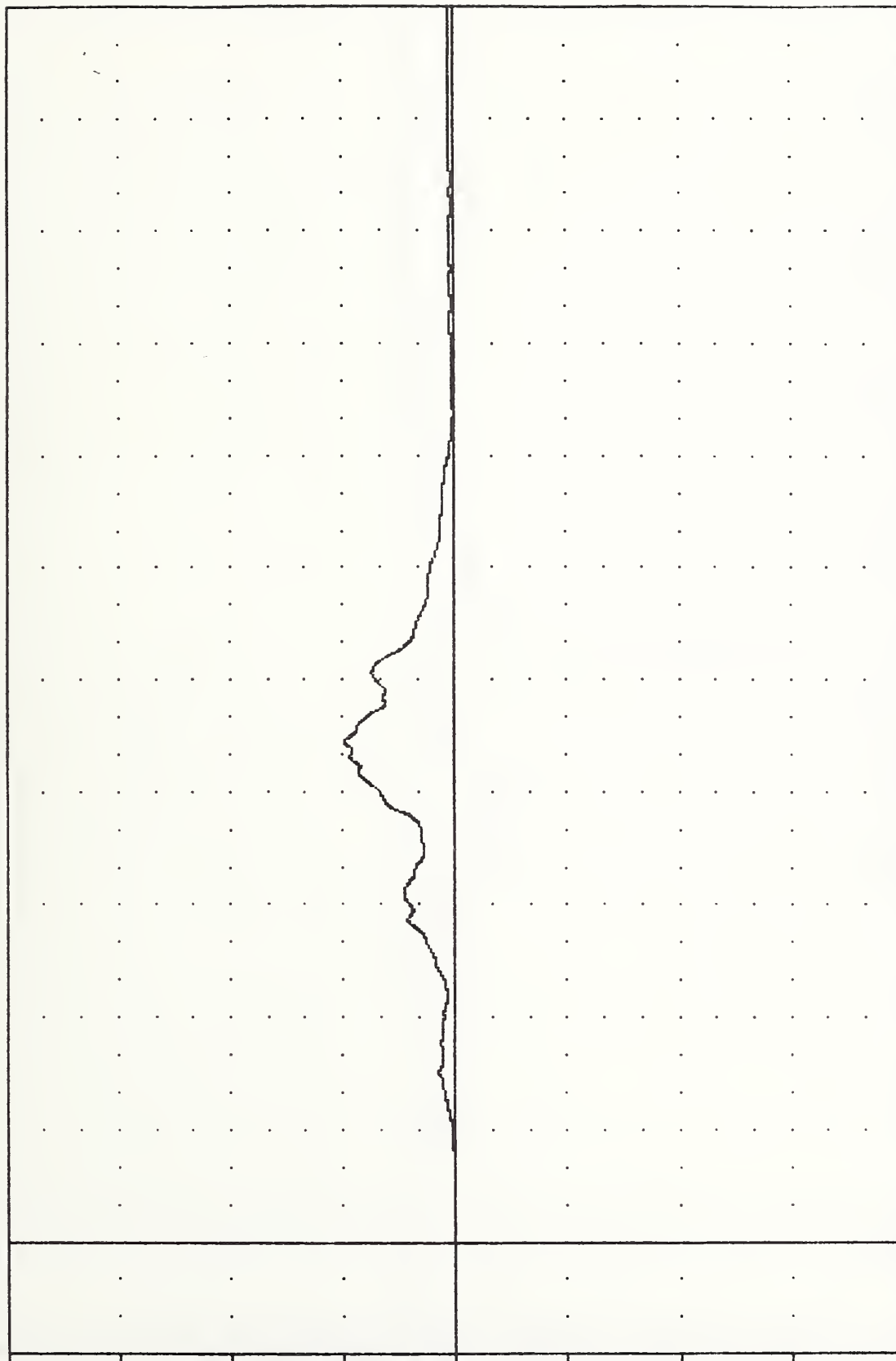
VATC RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
PEVR61

PLOT DATE 21-MAY-85 14:03:25

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.08e -10.13, 49.16 e 88.88

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

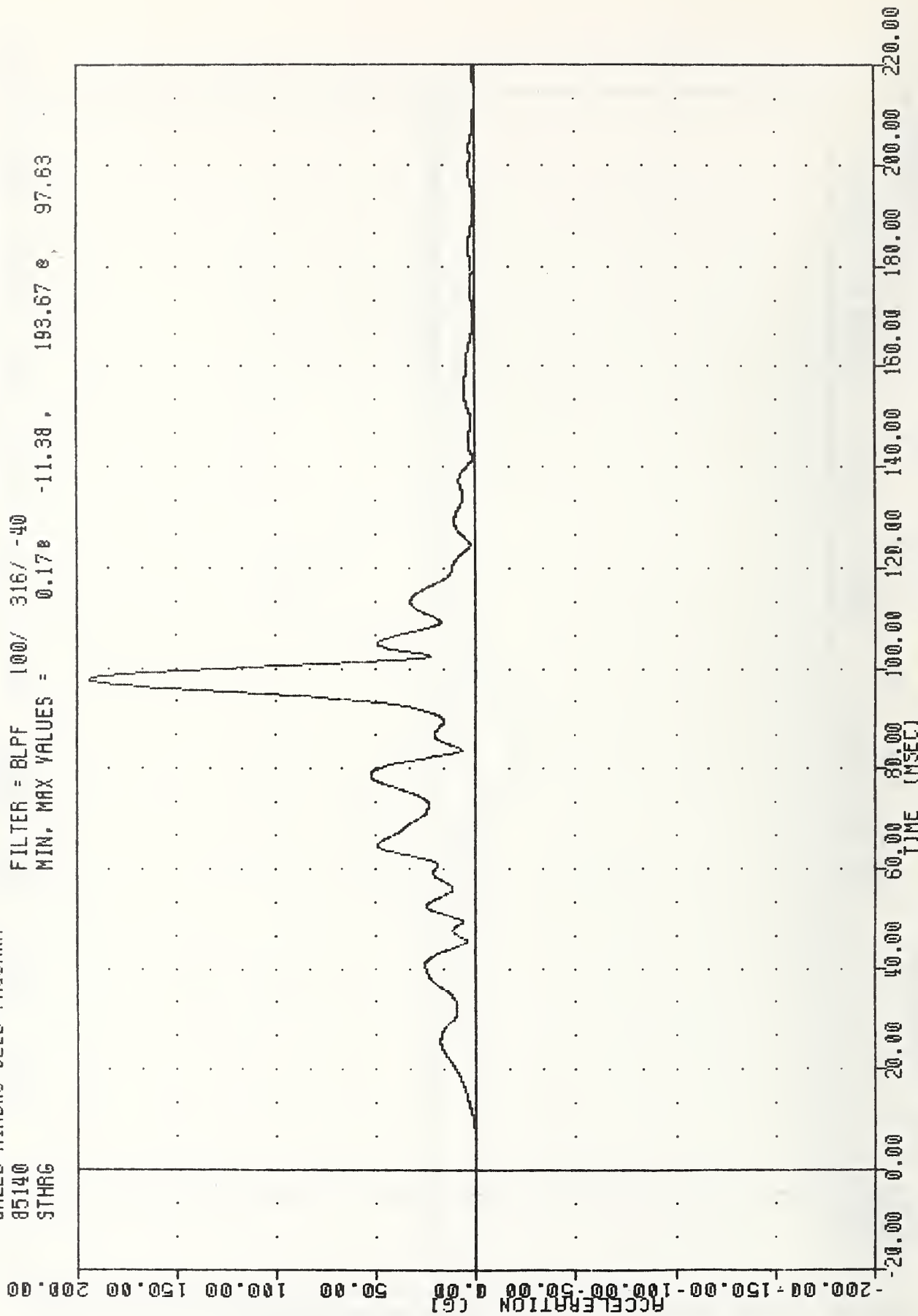
DRIVER PELVIS RESULTANT

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
STHRG

PLOT DATE 21-MAY-85 14:03:25

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.178 -11.38 193.67 97.63



310

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

VRTC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LPBAG

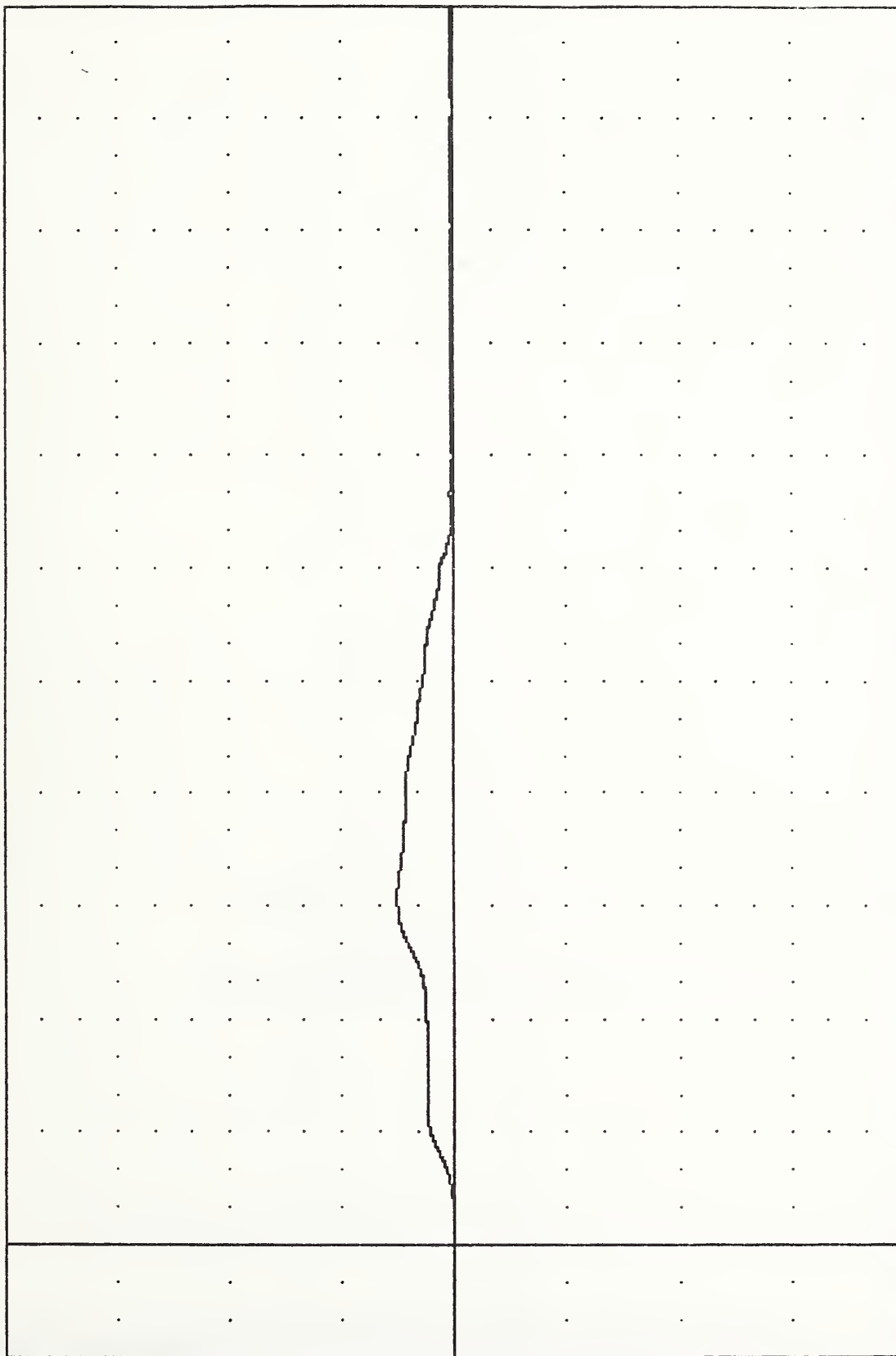
PLOT DATE 21-MAY-85 14:03:25

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.08 25.38 61.63

-8.63 ,

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)

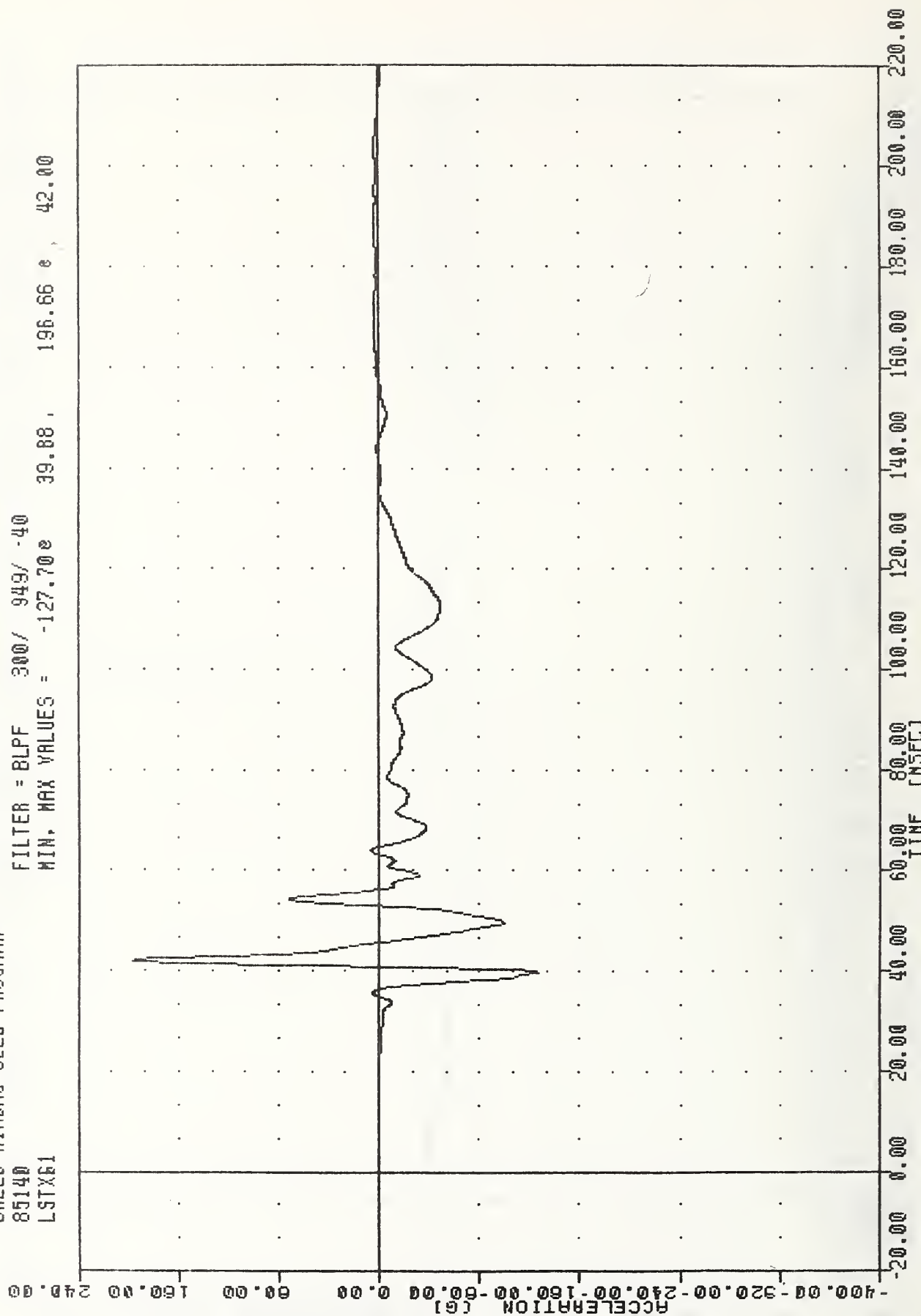
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VATC , RD384-4-35
BREED AIRBAG SLED PROGRAM
85140
LSTX61

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -127.70e 39.88, 196.66 e, 42.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

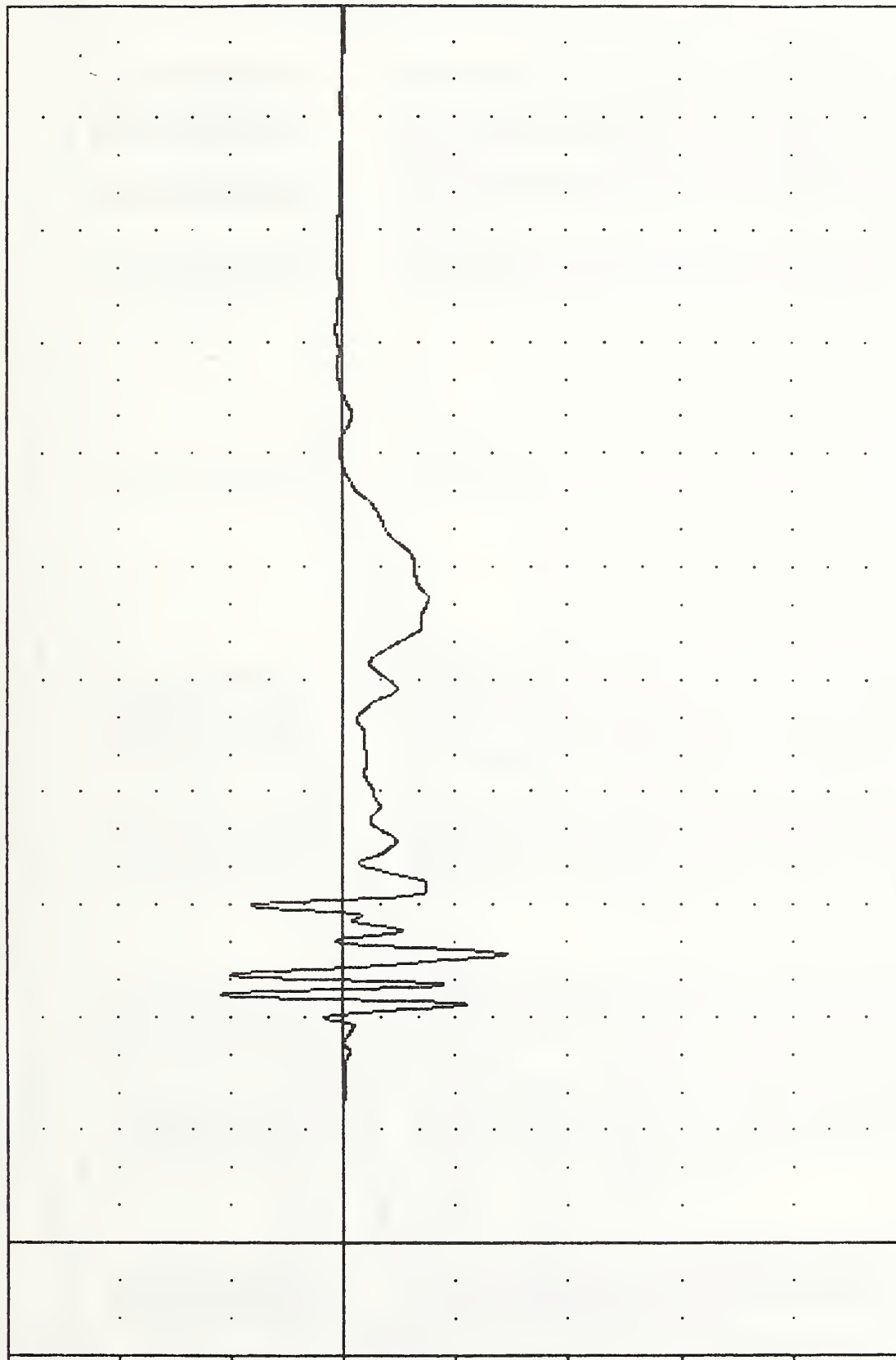
VRIC , RD384-4-35
 BREED AIRBAG SLED PROGRAM
 85140
 USTXG1

PLOT DATE 21-MAY-85 14:01:26

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -116.18 51.13, 87.48 43.88

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER UPPER STERNUM ACCELERATION X AXIS

TRC443P. RAD: 1
VRTC
85141
RD384-4-36 BREED AIRBAG SLED PROGRAM
40.00 mph
21-MAY-85 15:41

1	EVENT	Min value	Max value	Data Units	Filter
2	SLDXV	0.051 @	1.616 @	volt	ALPF 1650/ 5214/ -40
3	SLDXG	-43.364 @	0.121 @	mph	ALPF 100/ 316/ -40
4	HEDXG1	-28.349 @	0.121 @	g	ALPF 100/ 316/ -40
5	HEDYV1	-38.754 @	2.908 @	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-2.340 @	6.753 @	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-5.921 @	29.501 @	g	ALPF 1650/ 5214/ -40
8	CSTYV1	-64.438 @	3.800 @	g	ALPF 1650/ 5214/ -40
9	CSTZG1	-4.304 @	1.656 @	g	BLPF 300/ 949/ -40
10	USTXG1	-6.882 @	5.570 @	g	BLPF 300/ 949/ -40
11	LSTXG1	-90.271 @	104.904 @	g	BLPF 300/ 949/ -40
12	PEVXG1	-72.043 @	105.349 @	g	BLPF 300/ 949/ -40
13	PEVYV1	-51.115 @	2.663 @	g	BLPF 300/ 949/ -40
14	PEVZG1	-15.799 @	9.614 @	g	BLPF 300/ 949/ -40
15	LFMF1	-15.206 @	2.244 @	g	BLPF 300/ 949/ -40
16	RFMF1	-1707.912 @	181.034 @	lb	BLPF 1000/ 3162/ -40
17	STHPG	-1757.362 @	93.175 @	lb	BLPF 1000/ 3162/ -40
18	STHLG	-207.325 @	55.009 @	g	BLPF 100/ 316/ -40
19	STHIG	-30.265 @	32.527 @	g	BLPF 100/ 316/ -40
20	LPBXG	-38.666 @	61.331 @	g	BLPF 100/ 316/ -40
21	LPBYG	-28.128 @	1.116 @	g	BLPF 100/ 316/ -40
22	LPBZG	-2.560 @	3.157 @	g	BLPF 100/ 316/ -40
23	ABTP	-1.227 @	1.821 @	g	BLPF 100/ 316/ -40
24	ABT1	-2.992 @	33.985 @	psig	ALPF 1650/ 5214/ -40
25	ABT2	-3.096 @	0.004 @	volt	ALPF 1650/ 5214/ -40
26	ABT3	-3.256 @	0.005 @	volt	ALPF 1650/ 5214/ -40
27	ABT4	-0.032 @	2.328 @	volt	ALPF 1650/ 5214/ -40
28		-0.117 @	9.996 @	volt	ALPF 1650/ 5214/ -40

TRC443P. RAD: 1
VRTC
85141
RD384-4-36 BREED AIRBAG SLED PROGRAM
40.00 mph
21-MAY-85 15:41

1	EVENT	Min value	Max value	Data Units	Filter
2	HEDXD1	-55.752 @	0.375 @	mph	BLPF 300/ 949/ -40
3	CSTXV1	-76.924 @	0.138 @	in	BLPF 300/ 949/ -40
4	CSTXD1	-53.049 @	-0.019 @	mph	BLPF 300/ 949/ -40
5	PEVXV1	-77.487 @	-0.011 @	in	BLPF 300/ 949/ -40
6	PEVXD1	-44.977 @	0.342 @	mph	BLPF 300/ 949/ -40
7	SLDXV1	-71.770 @	0.331 @	in	BLPF 300/ 949/ -40
8	SLDXD1	-43.033 @	-0.014 @	mph	BLPF 300/ 949/ -40
9	STHPV	-80.052 @	-0.007 @	in	BLPF 300/ 949/ -40
10	STHPD	-65.593 @	0.247 @	mph	BLPF 300/ 949/ -40
11	LPBXV	-45.567 @	0.197 @	in	BLPF 300/ 949/ -40
12	LPBXD	-42.156 @	0.004 @	mph	BLPF 300/ 949/ -40
13		-77.270 @	-0.002 @	in	BLPF 300/ 949/ -40

TRC443P. RAD: 1
VRTC
85141
RD384-4-36 BREED AIRBAG SLED PROGRAM
40.00 mph
21-MAY-85 15:41

1	EVENT	Min value	Max value	Data Units	Filter
2	CSTRG1	0.042 @	48.688 @	g	ALPF 1650/ 5214/ -40
3	PEVRG1	0.017 @	64.782 @	g	BLPF 300/ 949/ -40
4	STHRG	0.012 @	52.206 @	g	BLPF 300/ 949/ -40
5	LPBRG	0.058 @	216.255 @	g	BLPF 100/ 316/ -40
6		0.091 @	28.131 @	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC443RP.RAD;1
VRTC RD384-4-36 BREED AIRBAG SLED PROGRAM
85141 40.00 mph

* * * HIC computation for HEDRG1 21-MAY-85 15:44
Using time range = 0.000 to 220.000 msec Peak accel = 48.69 @ 101.250
HIC = 408.84 Interval from 63.250 [667] to 124.625 [1158]
HIC = 156.76 Interval from 97.375 [940] to 112.375 [1060]

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

Enter input filespec -> TRC443RP

File TRC443RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-36 BREED AIRBAG SLED PROGRAM 40.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC443RP.RAD;1 VRTC RD384-4-36
BREED AIRBAG SLED PROGRAM 40.0 mph 85141 21-MAY-85 15:46:08
Deltax: 0.125

3 MS CLIP PEAK: 60.15631

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

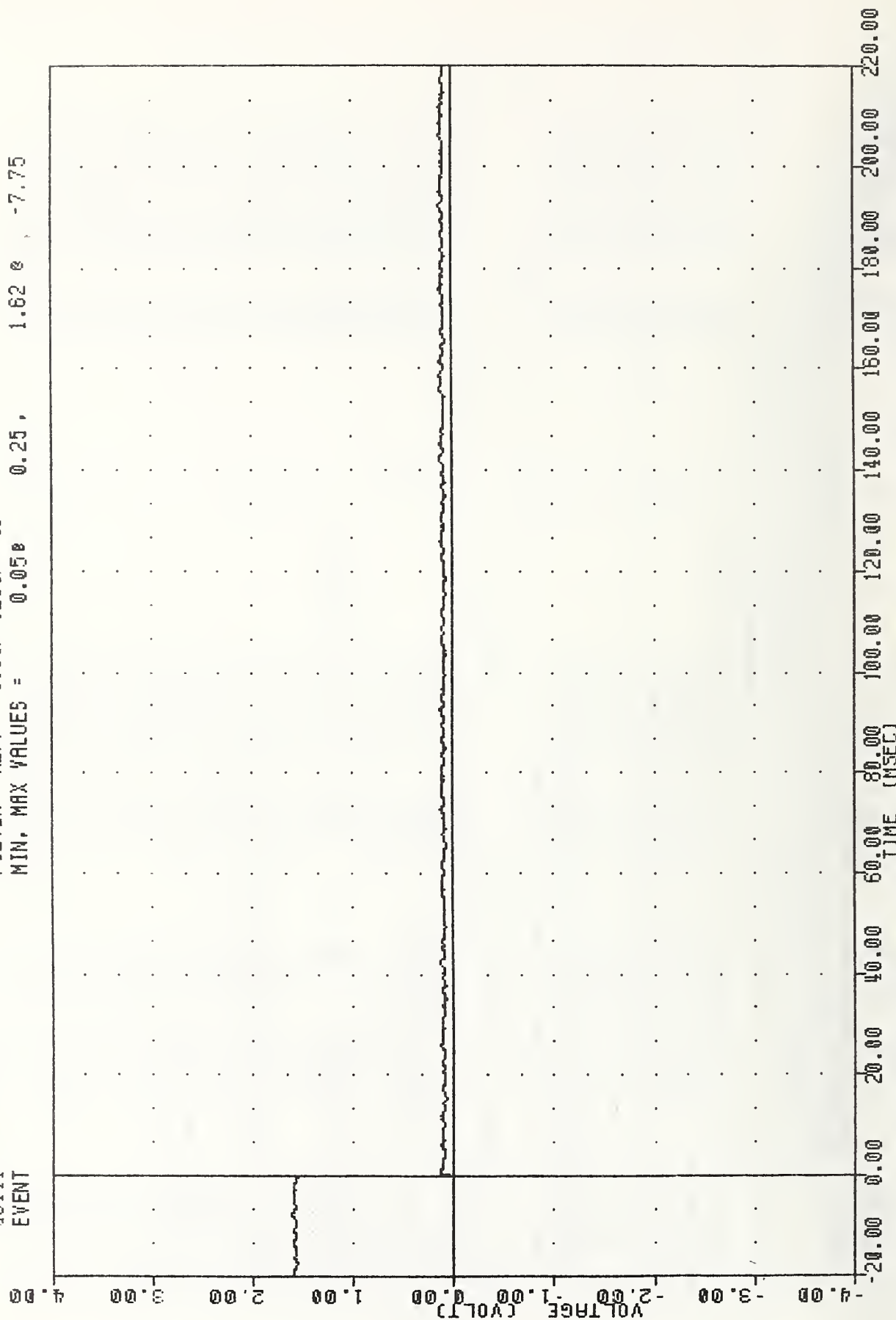
Enter input filespec -> EXIT
\$

VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
EVENT

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.050 0.25 , 1.620 , -7.75



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
EVENT

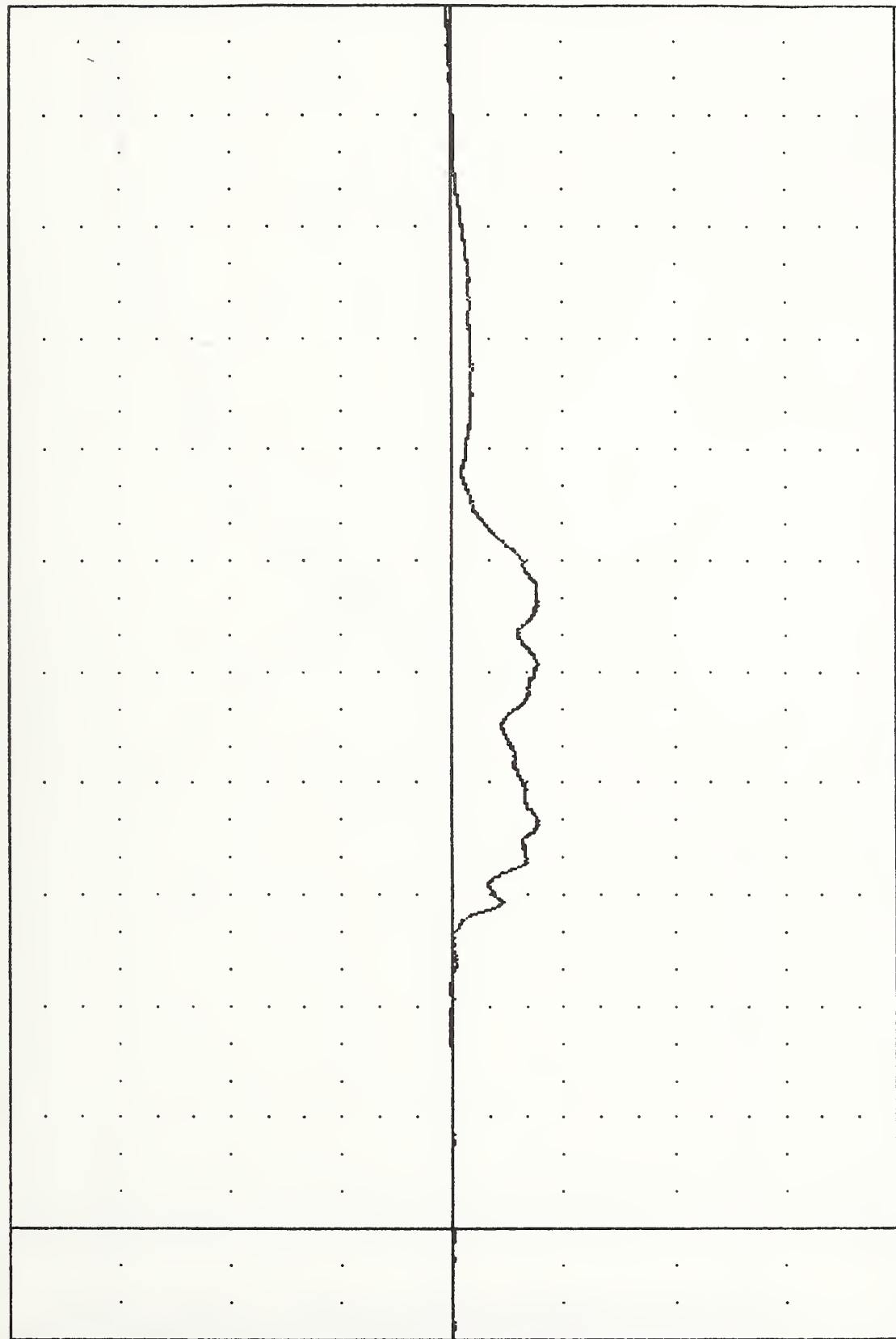
VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
HEDXG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -38.75e 111.88, 2.91 e 219.88

ACCELERATION (G)



-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)

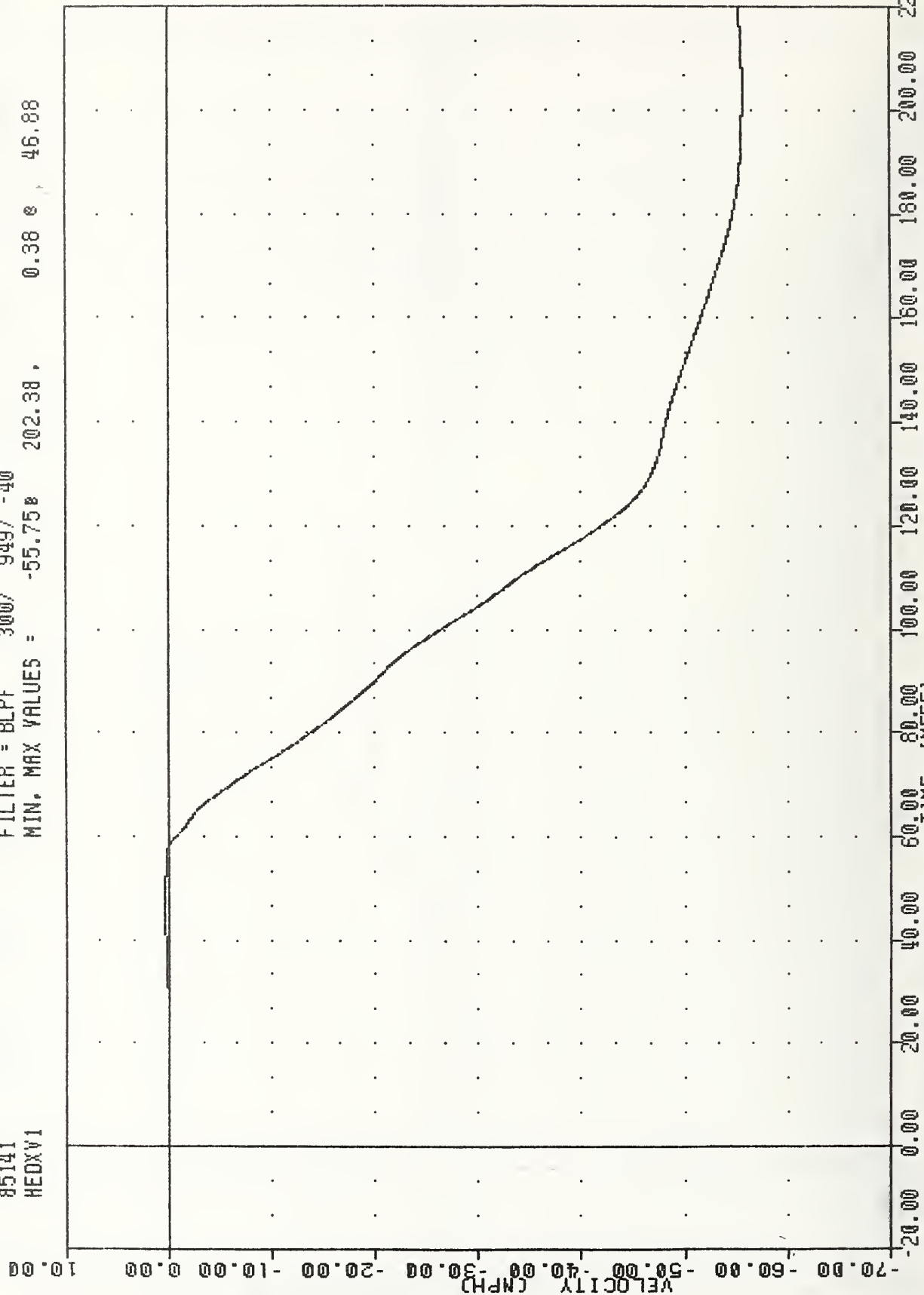
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 HEDXV1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -55.75 202.38 , 0.38 46.88



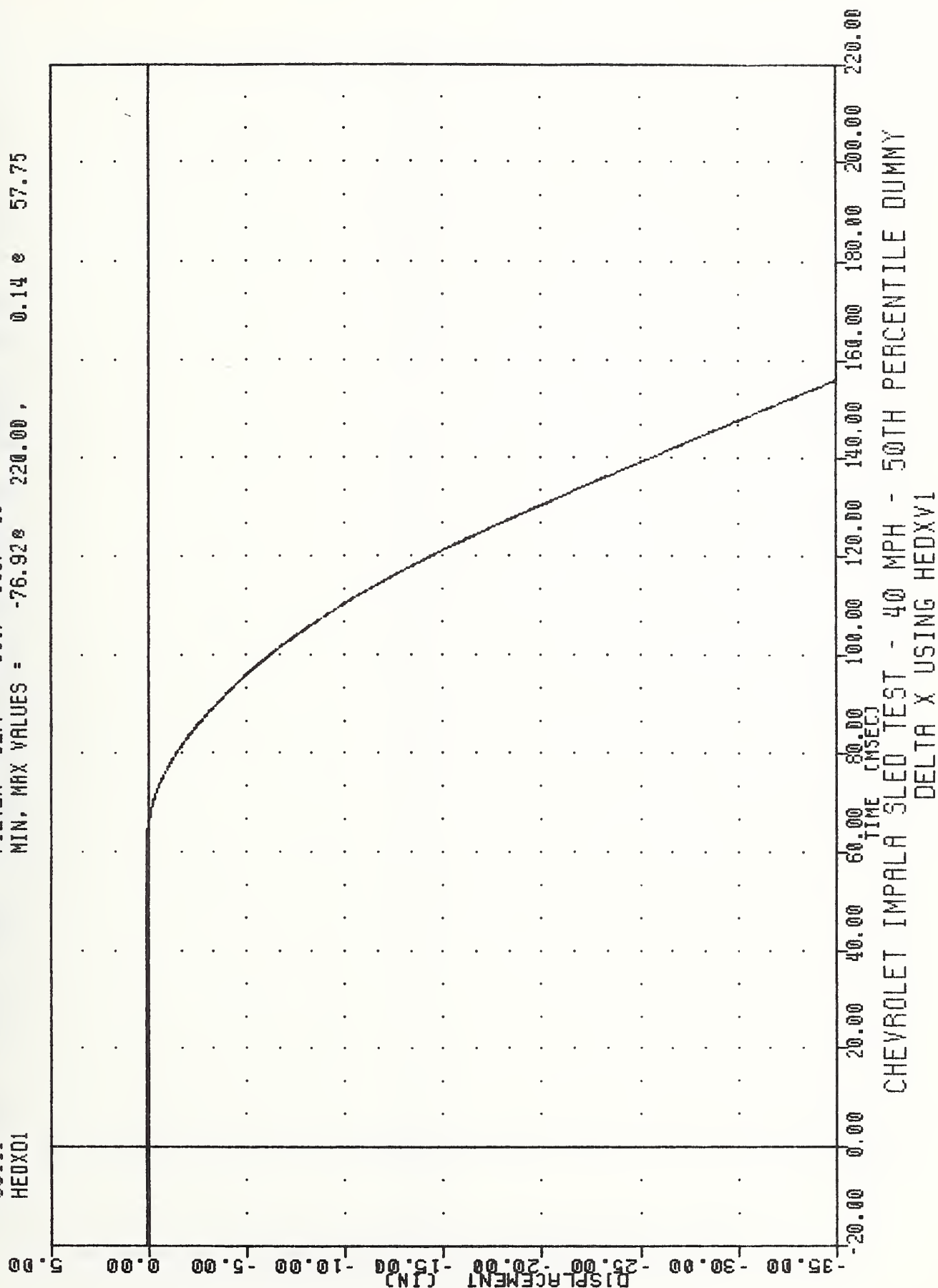
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING HEDXG1

VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 HEDXD1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -76.928 220.00, 0.14 e 57.75

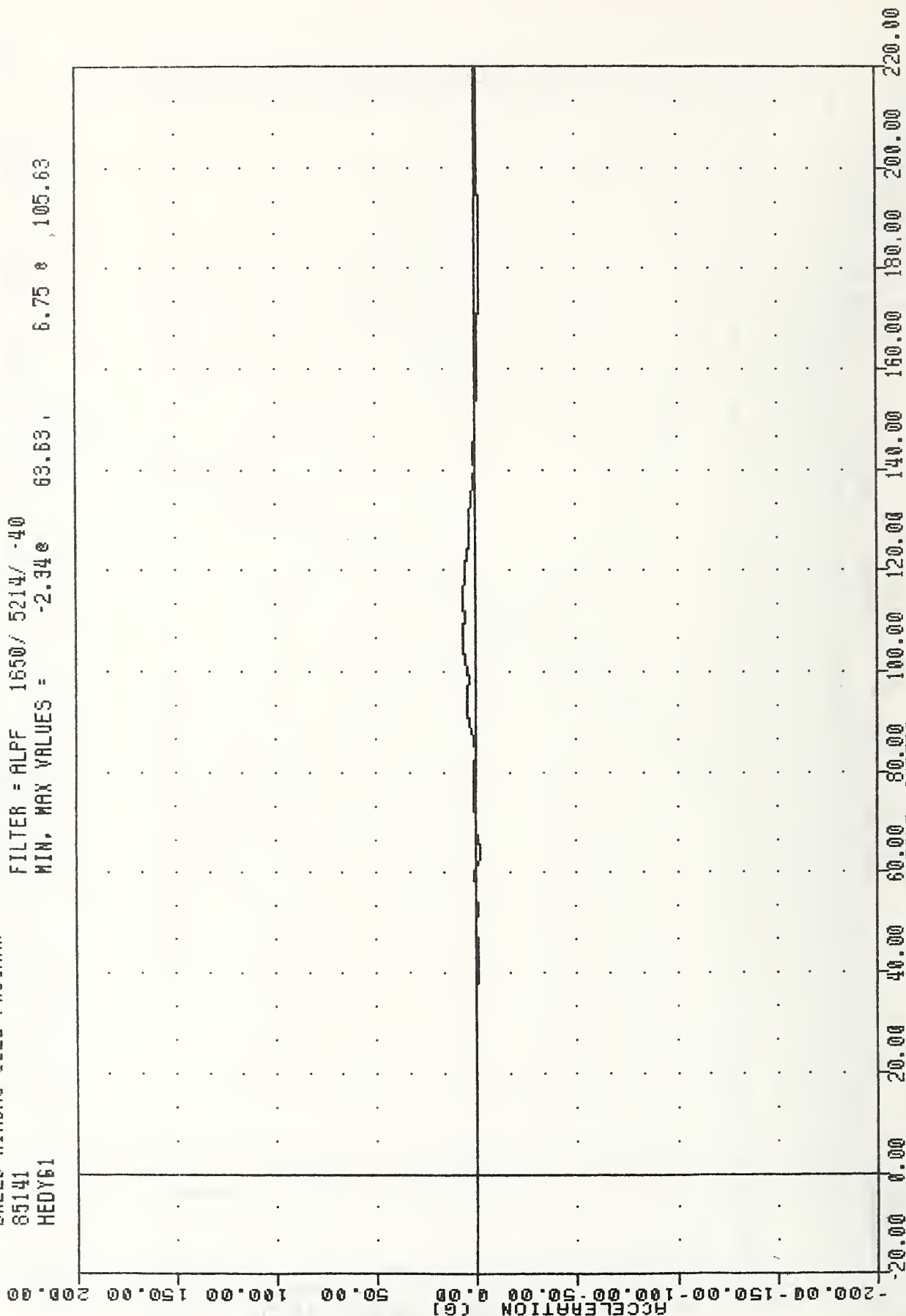


WATC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 HEDY61

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1850/ 5214/ -40

MIN, MAX VALUES = -2.34e 63.63 , 6.75 e , 105.63



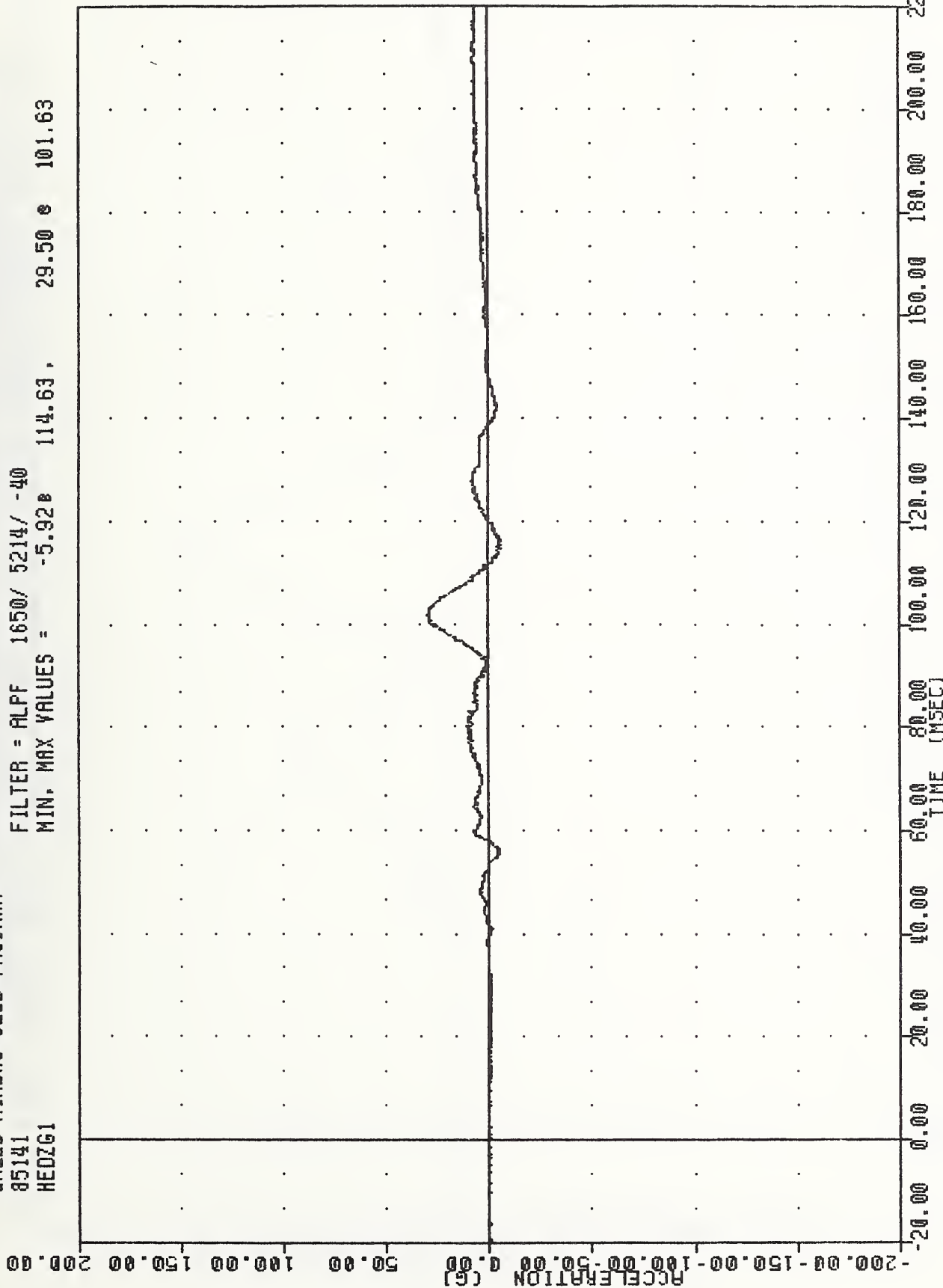
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
HEDZG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -5.928 114.63, 29.50 101.63



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
CSTXG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -64.44e 108.38 , 3.80 e 152.63

100.00

75.00

50.00

25.00

0.00

-25.00

-50.00

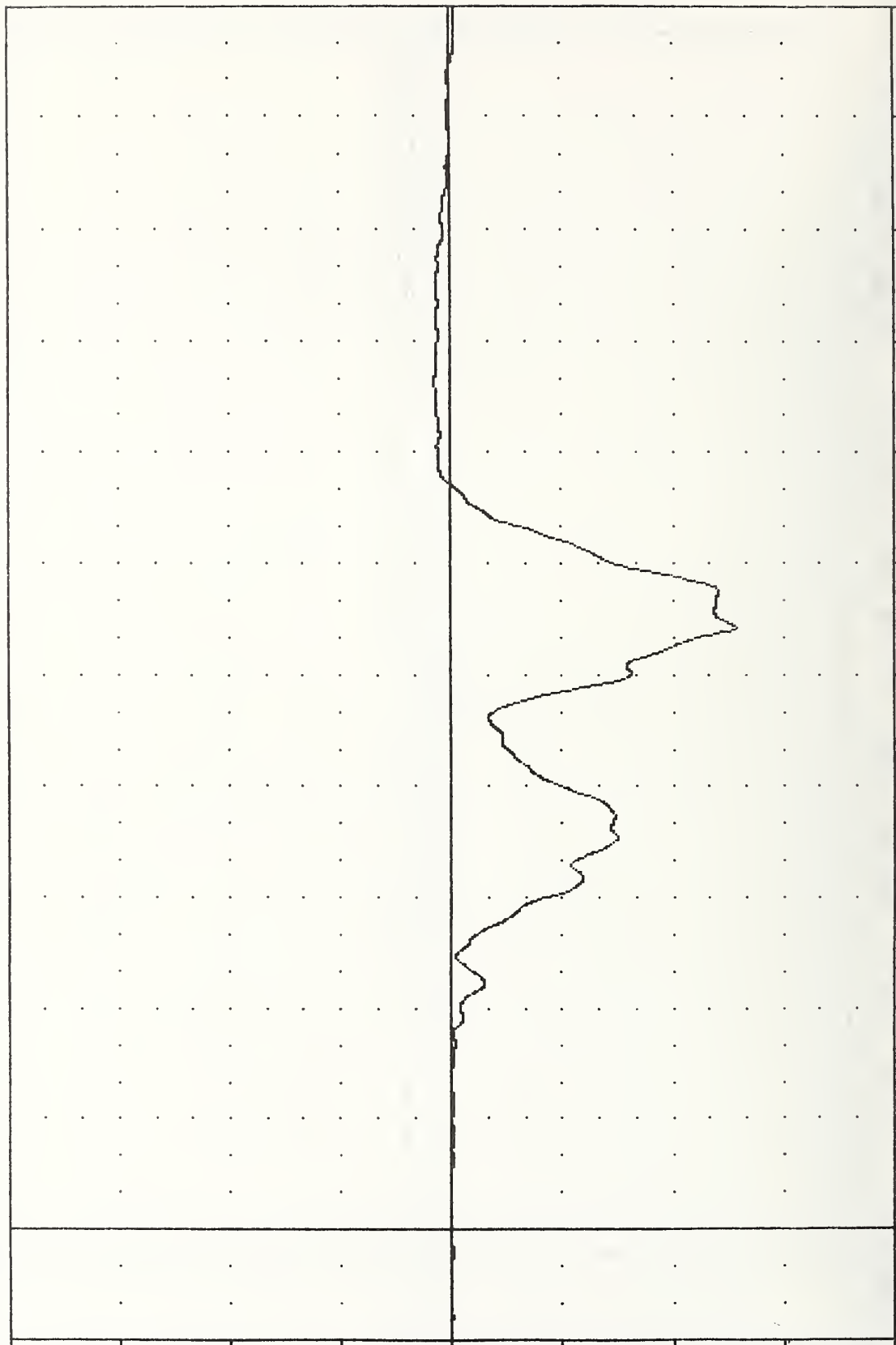
-75.00

-100.00

-125.00

-150.00

ACCELERATION (G)



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 CHEST ACCELERATION X AXIS

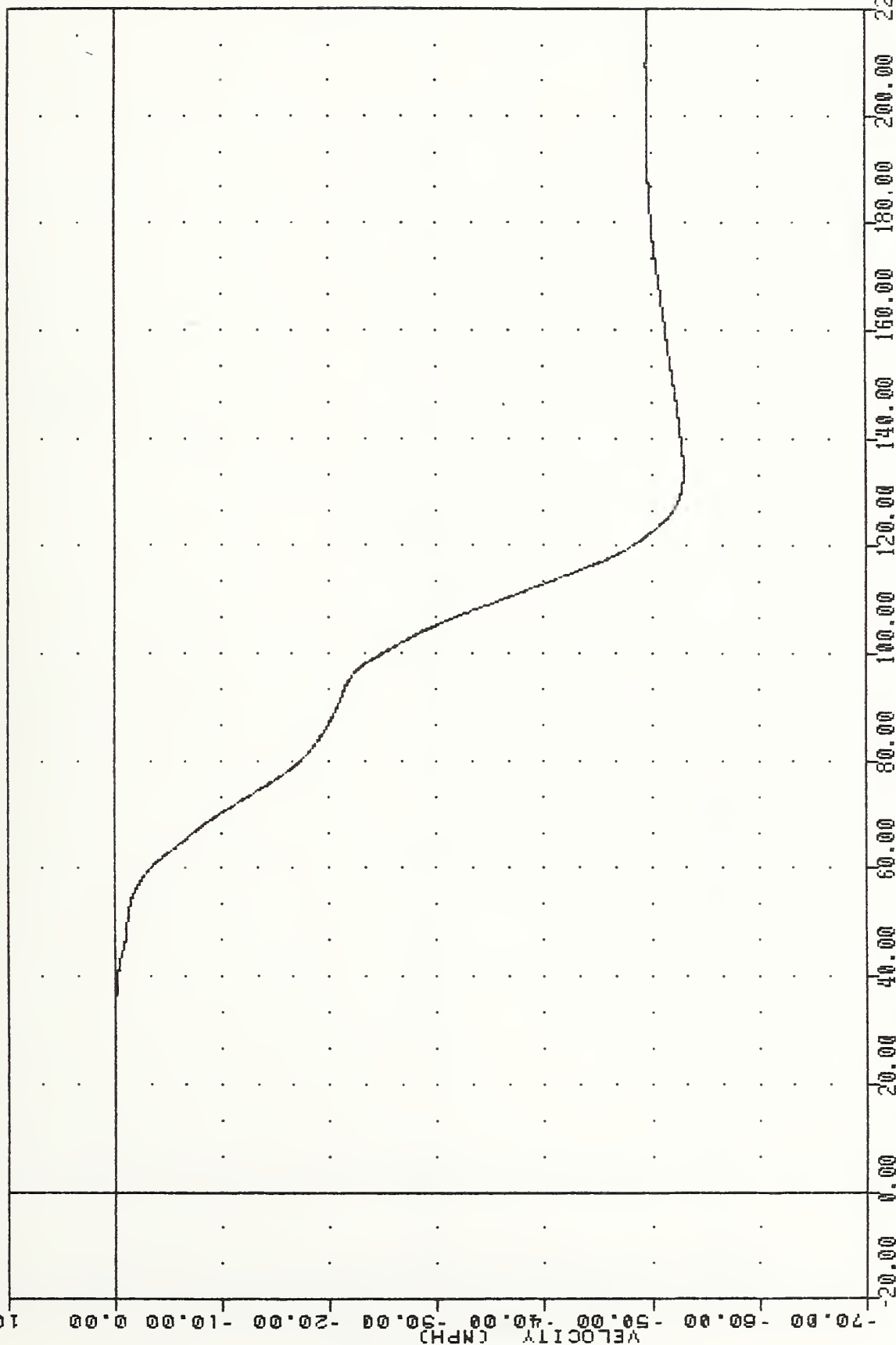
VATC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
CSTXV1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -53.05 134.13, -0.02 e -6.25

10.00



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

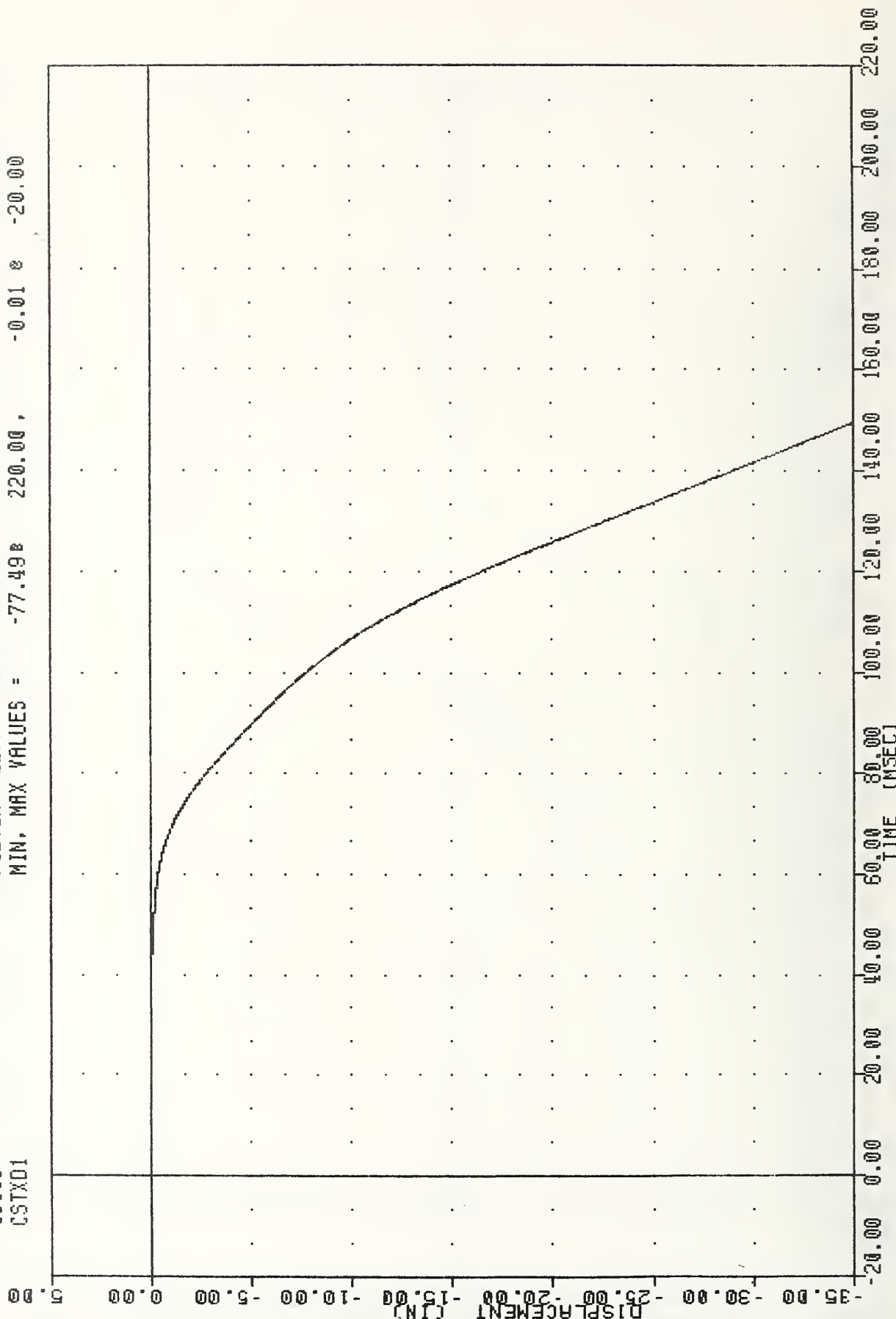
DELTA V USING CSTXG1

VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
CSTXD1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -77.498 220.00, -0.01 8 -20.00



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VRATC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 CSTY61

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -4.30e 105.50 , 1.66 e 83.50

100.00

75.00

50.00

25.00

ACCELERATION (G)

-25.00

-50.00

-75.00

-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 (NSEC)

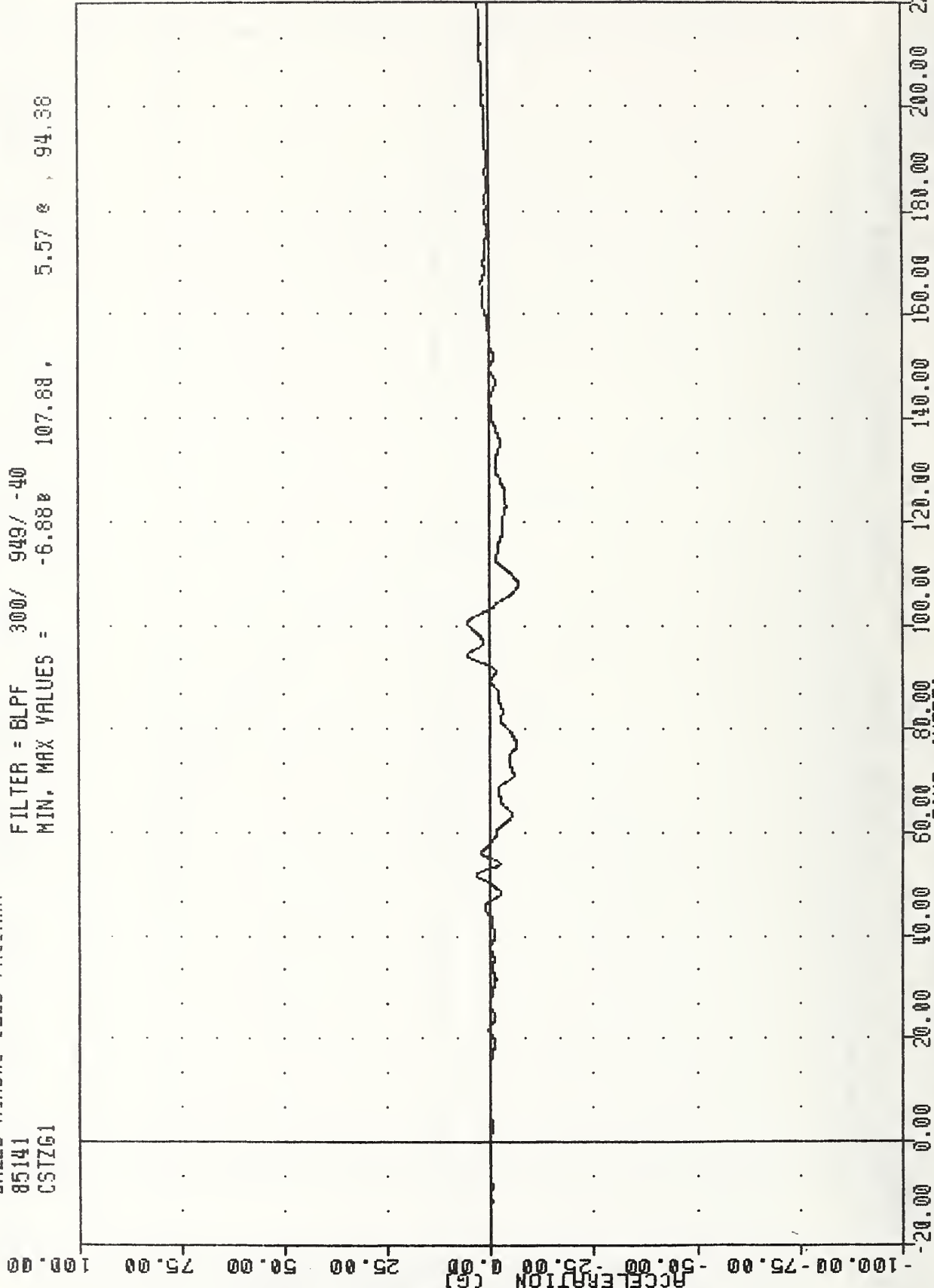
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VRIC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
CS761

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.88 107.88, 5.57 94.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

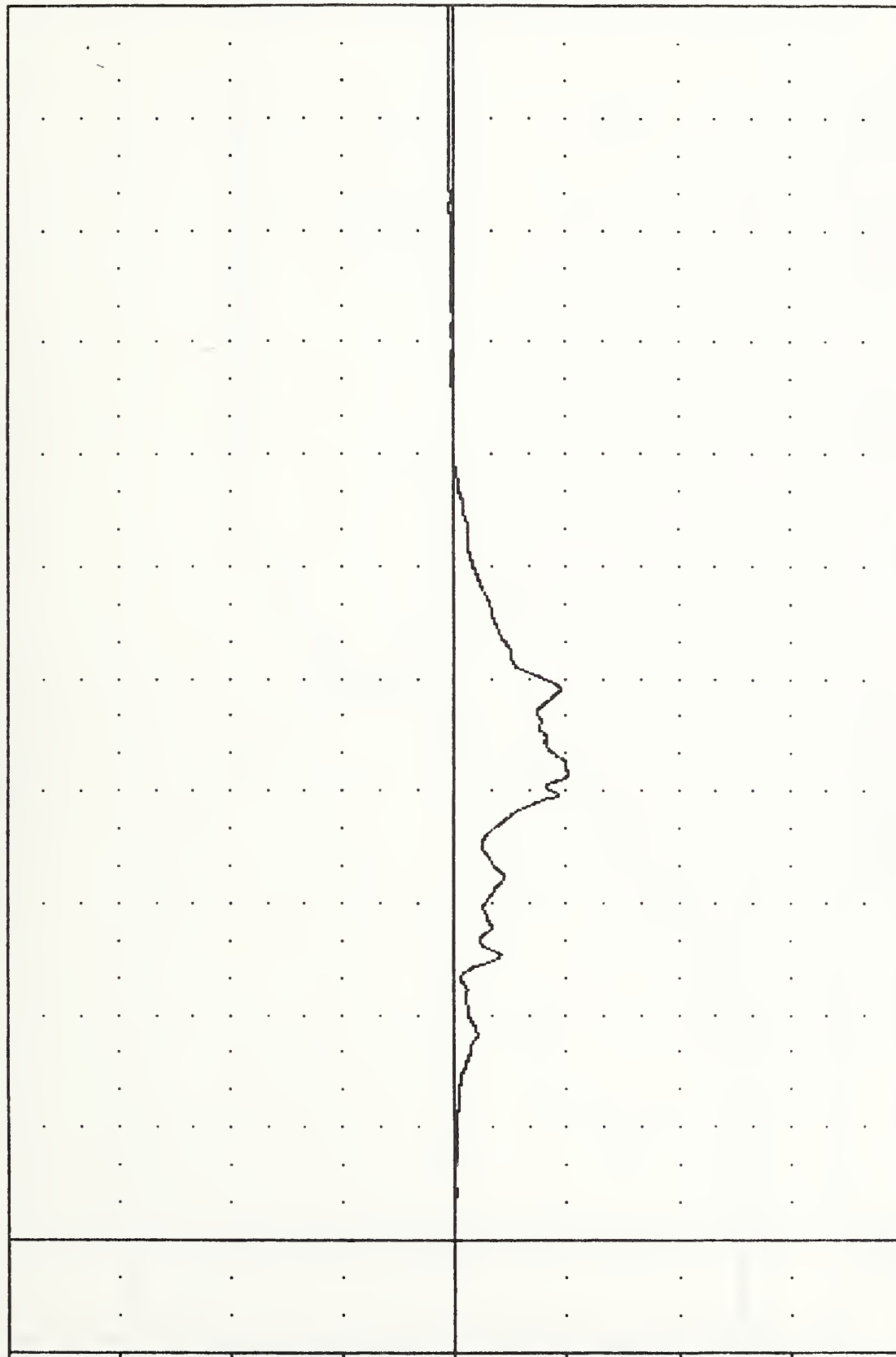
VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
PEVXG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -51.128 82.88, 2.66 e 215.13

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 - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

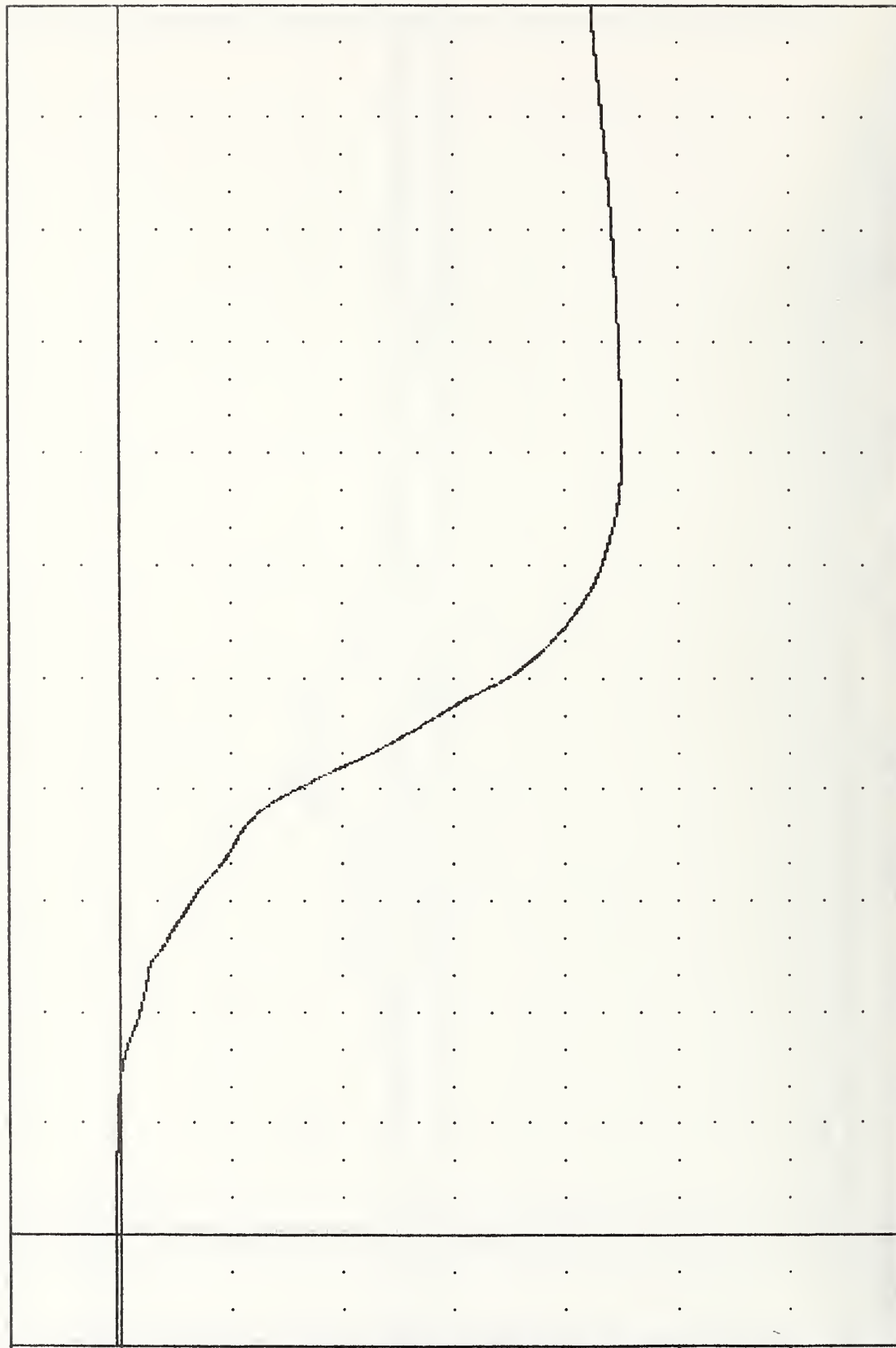
VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 PEVXV1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -44.98 139.13, 0.34 2.13

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



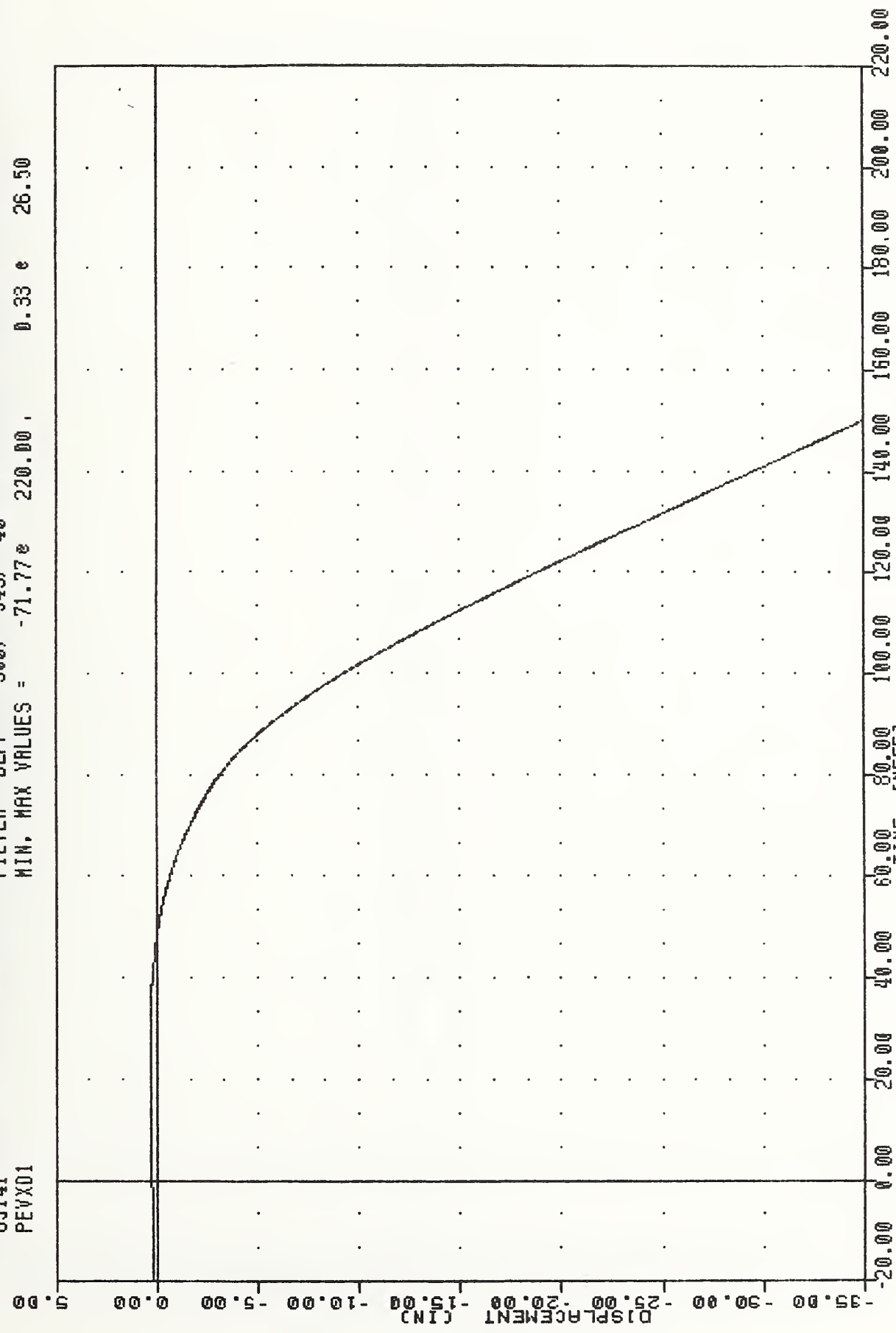
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (MSEC)
 CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 PEVXD1

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -71.77e 220.00 , 0.33 e 26.50



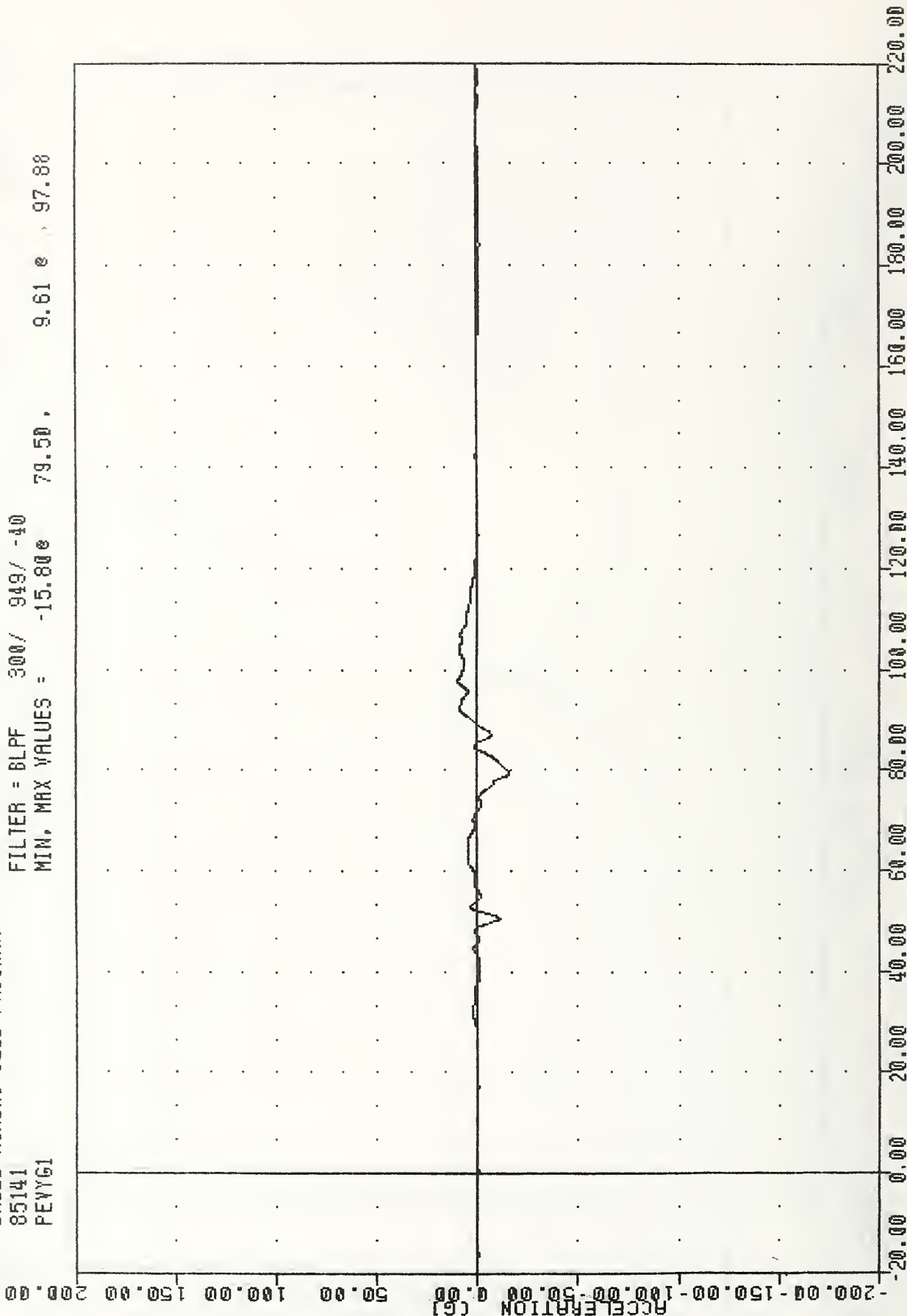
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING PEVXV1

VRTC
BREED AIRBAG SLED PROGRAM
85141
PEVY61

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -15.80e 79.50. 9.61e 97.88



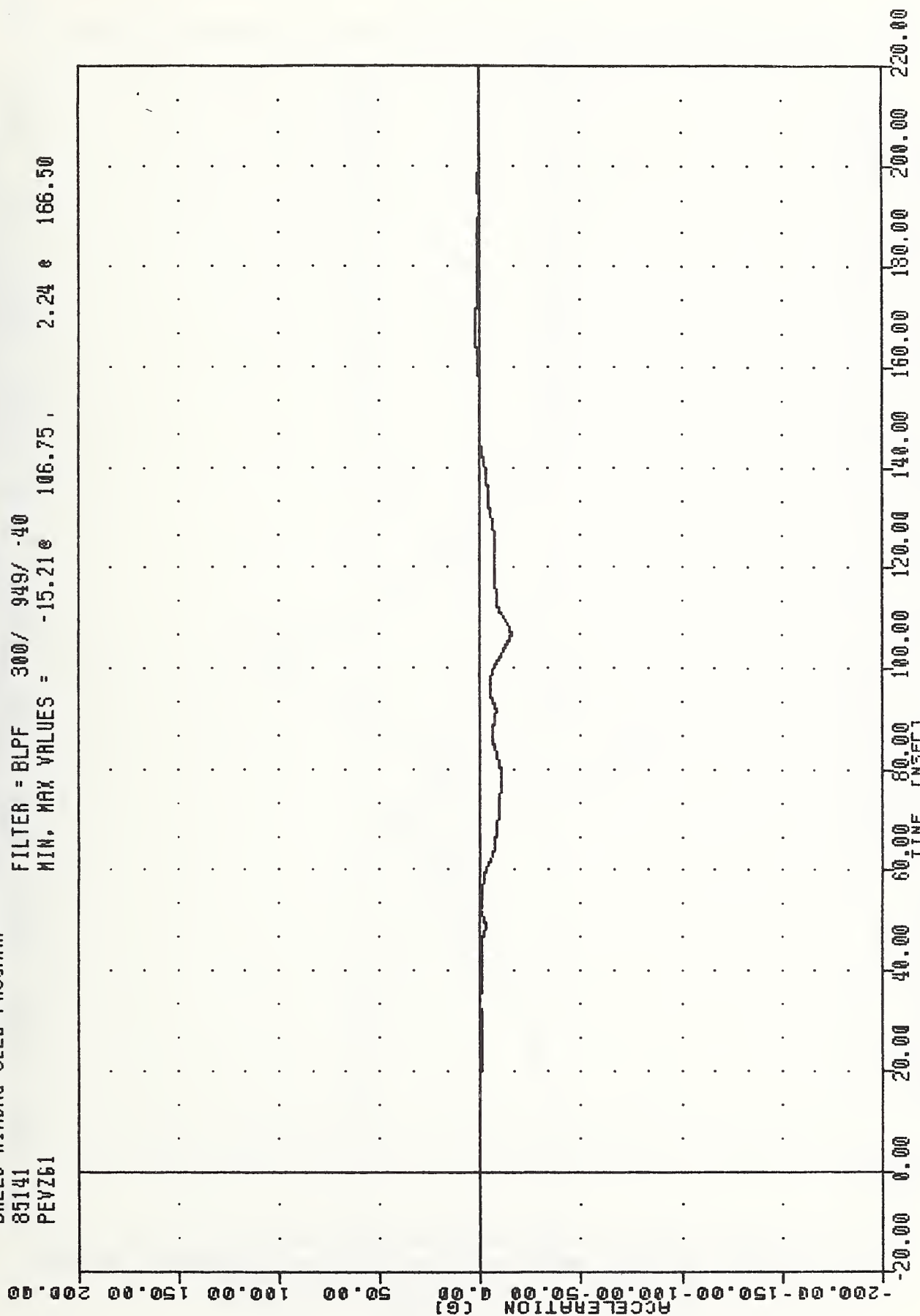
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 PEVZ61

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -15.21e 106.75 , 2.24 e 166.50



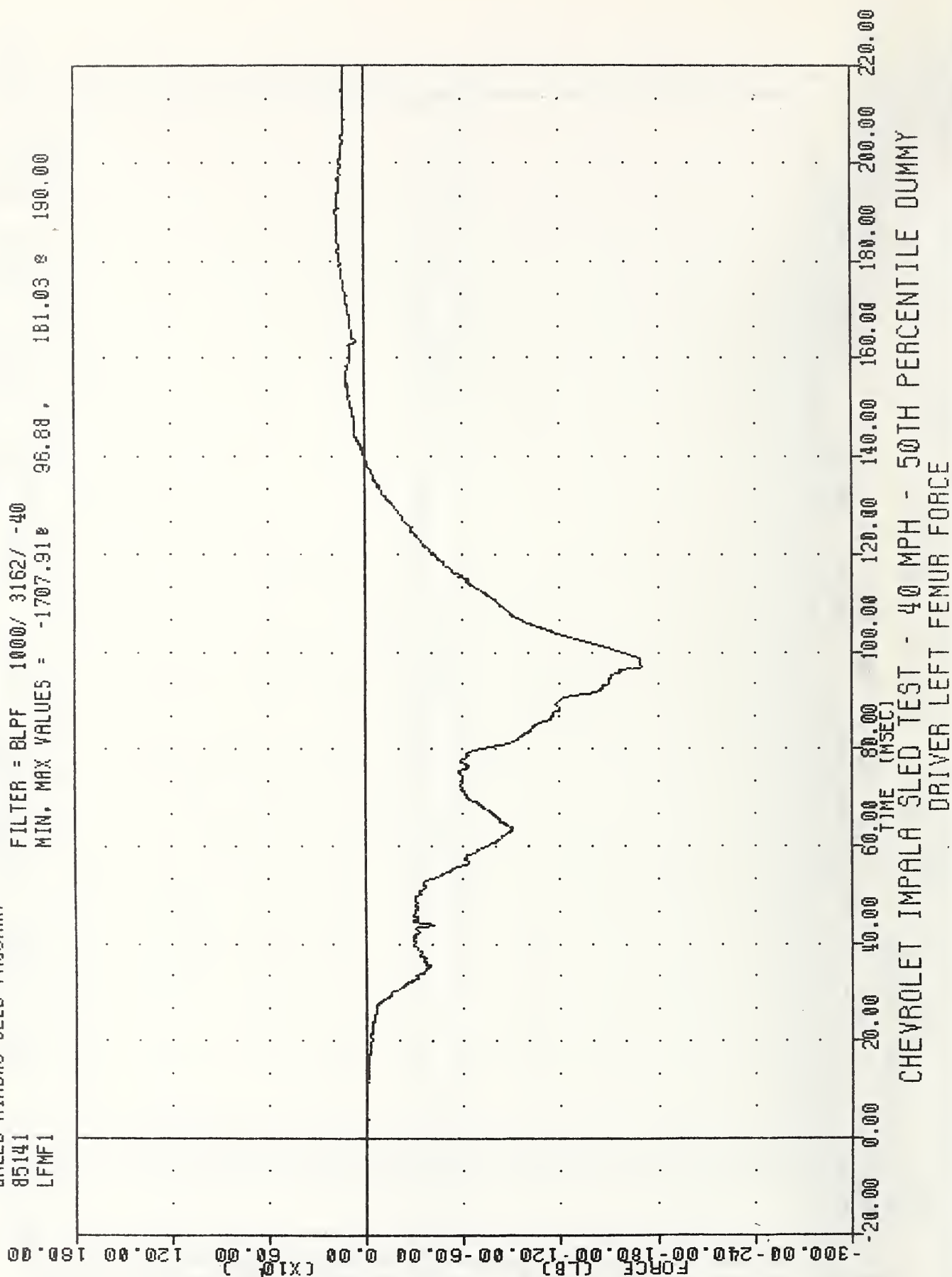
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRTC
 BREED AIRBAG SLED PROGRAM
 85141
 LFMF1

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -1707.91e 96.88, 181.03 s, 190.00



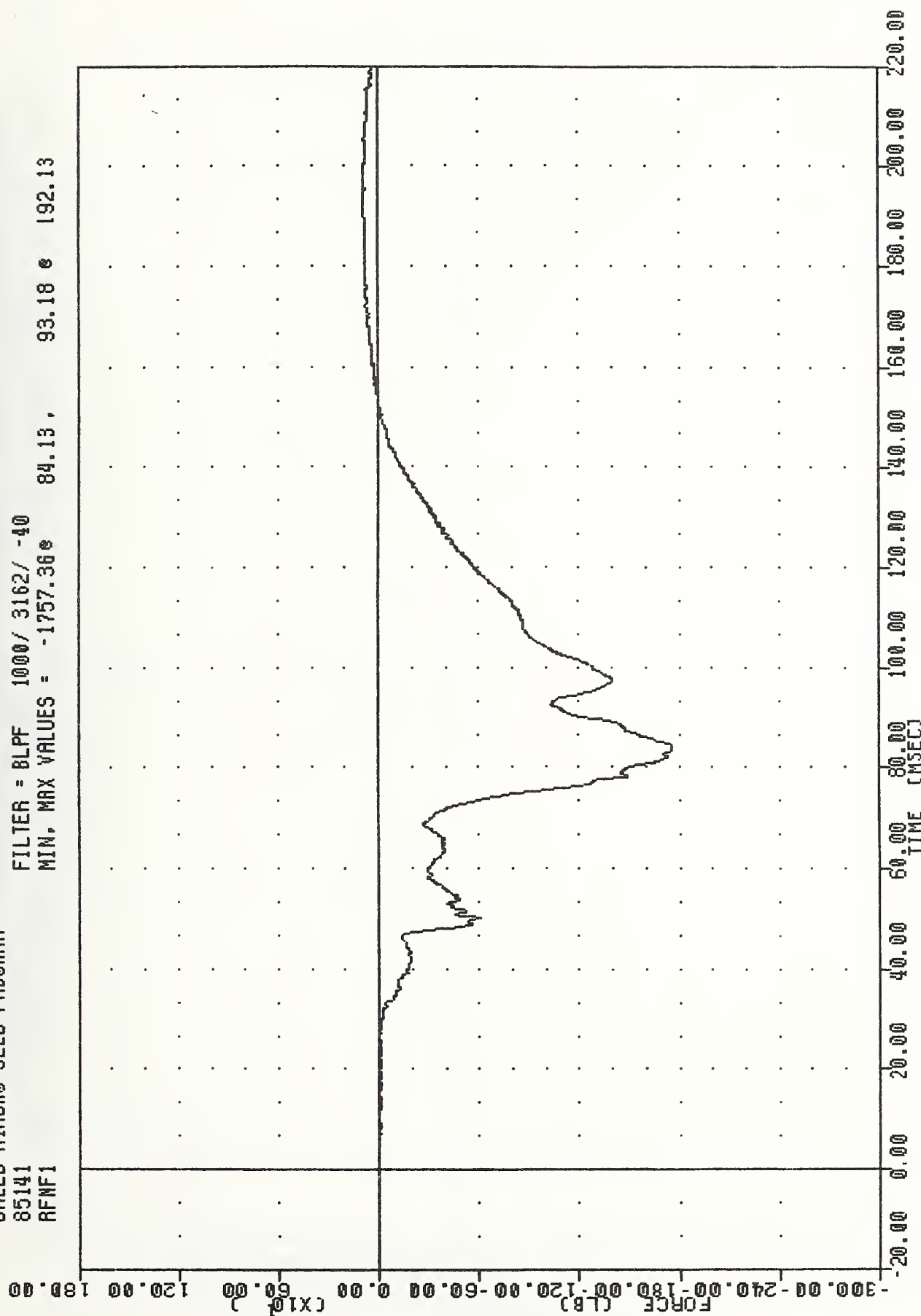
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
RFNF1

PLOT DATE 22-MAY-85 09:35:45

FILTER = 8LPF 1000/ 3162/ -40

MIN, MAX VALUES = -1757.36 84.13 , 93.18 192.13



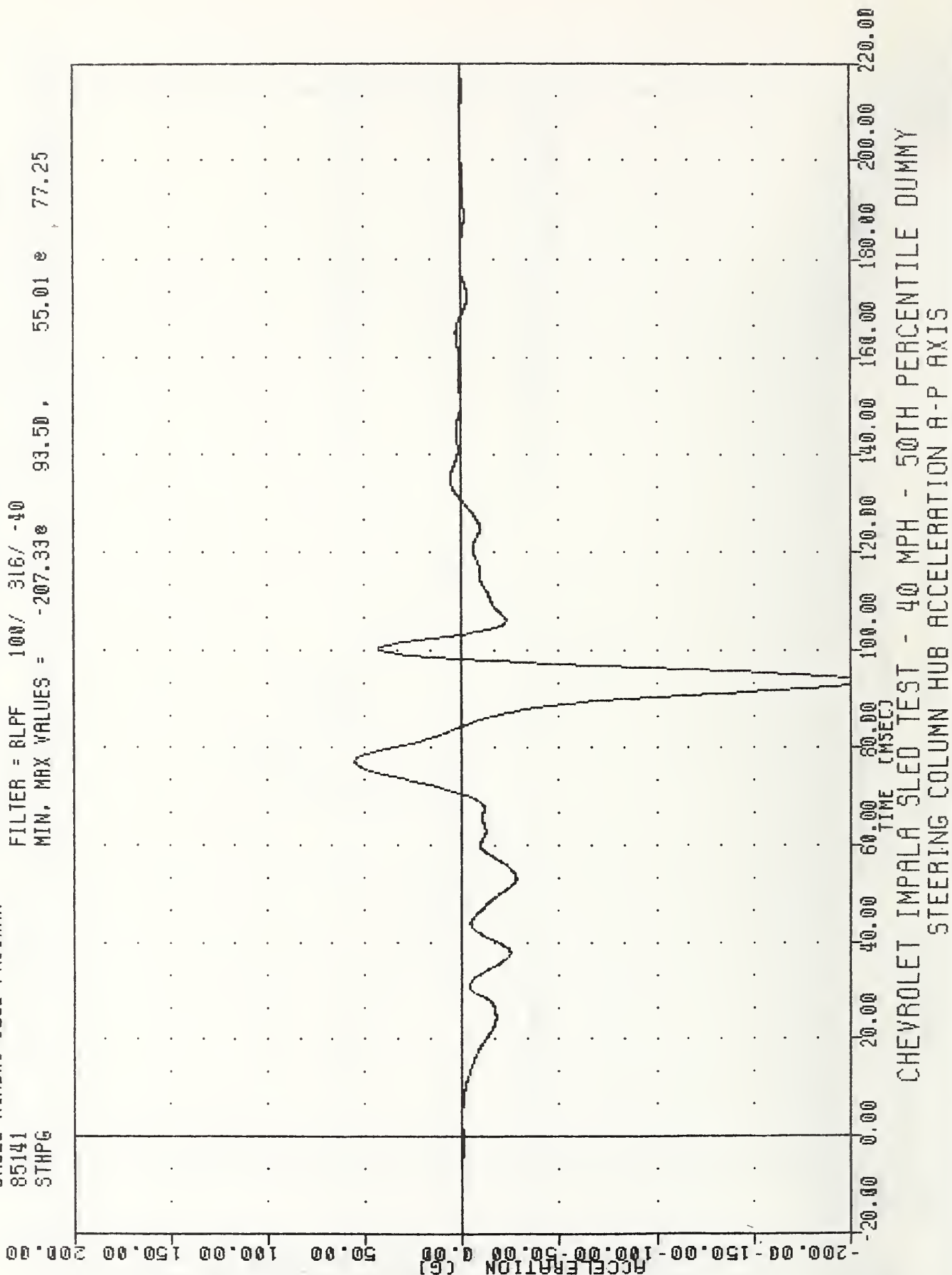
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
STHPG

PLOT DATE 22-MAY-85 09:35:45

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -207.33e 93.50 , 55.01 e , 77.25

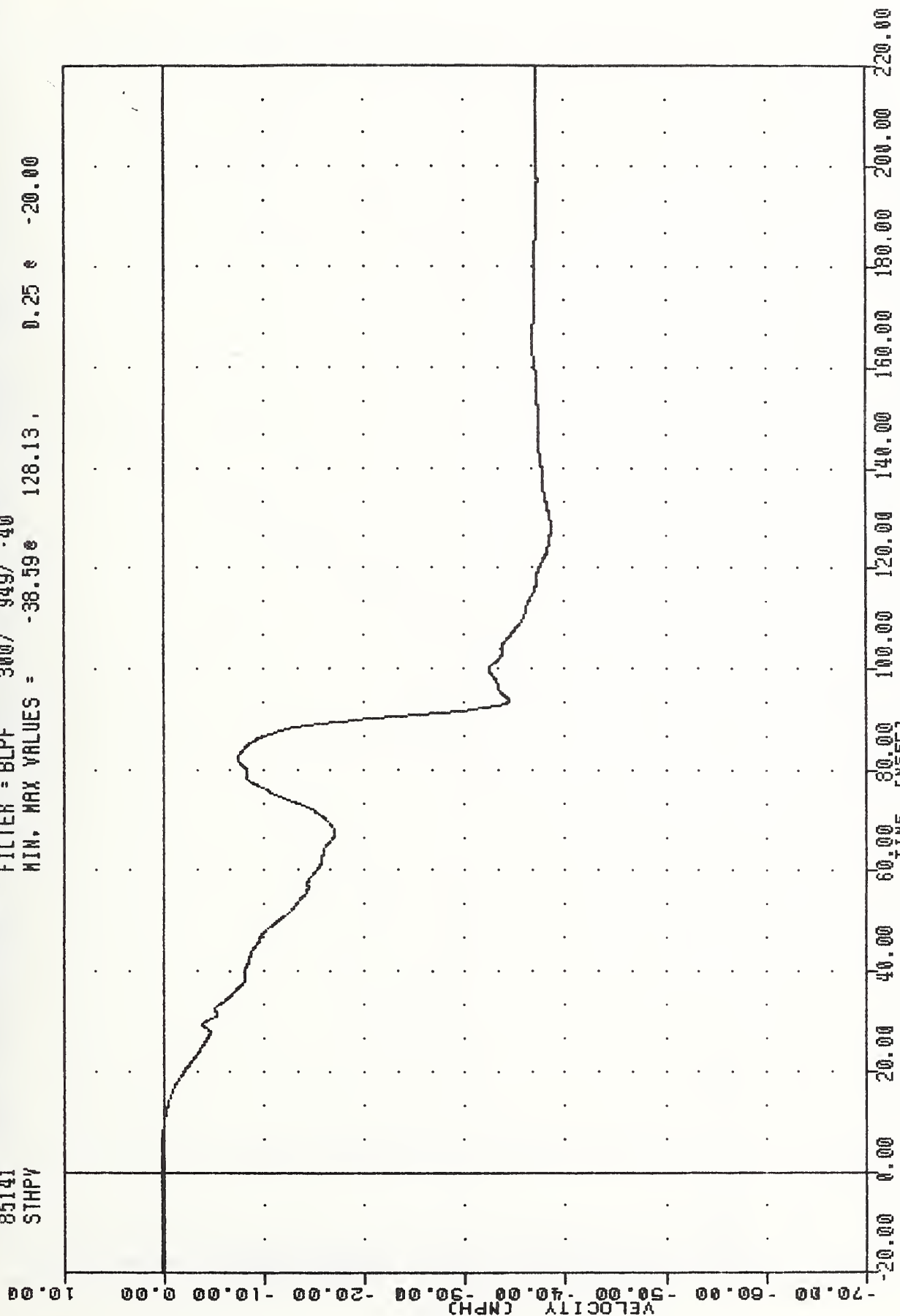


VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 STHPV

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.59 128.13 0.25 -20.00



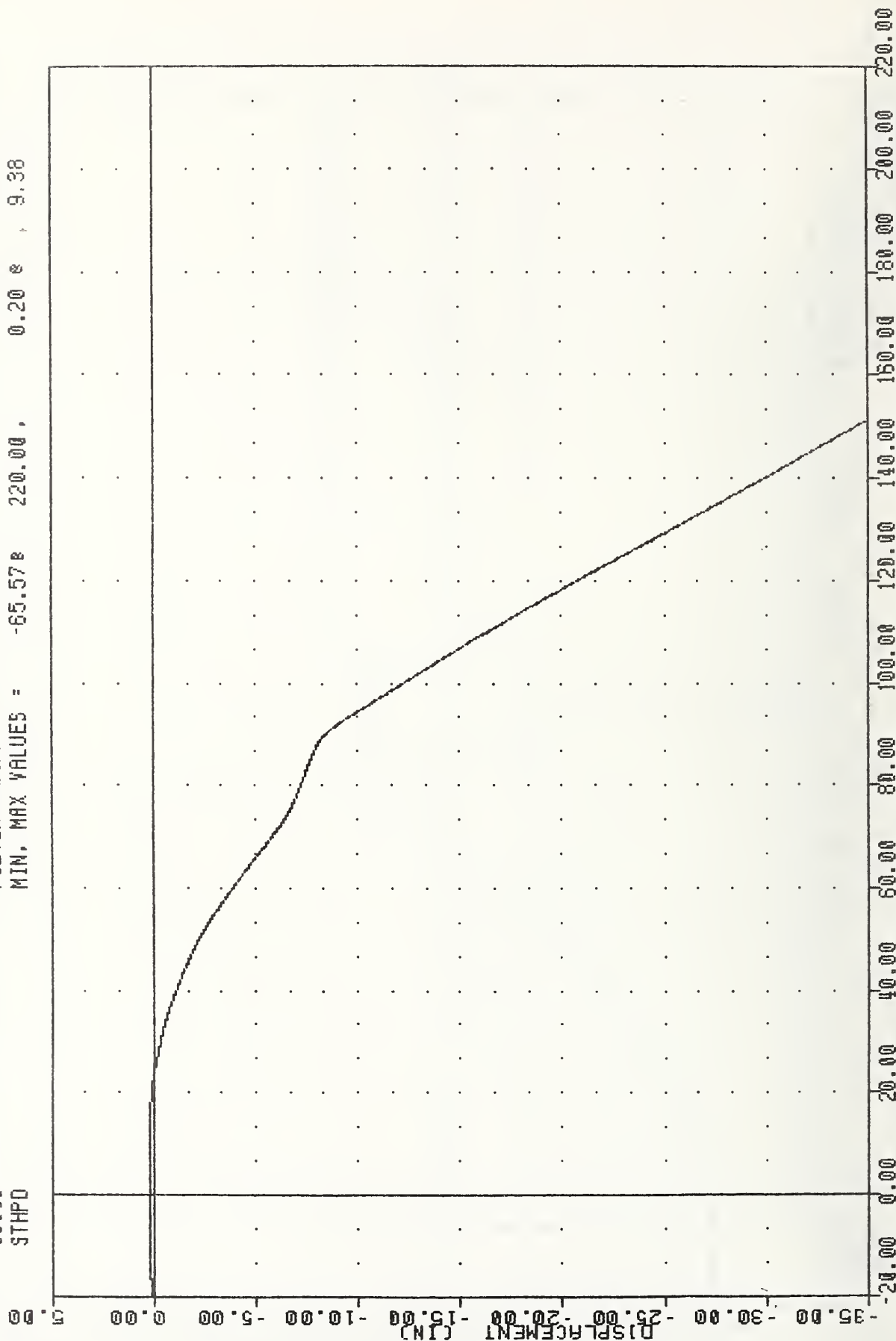
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING STHPG

VRTC
BREED AIRBAG SLED PROGRAM
85141
STHPD

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -65.57 220.00 0.20 9.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

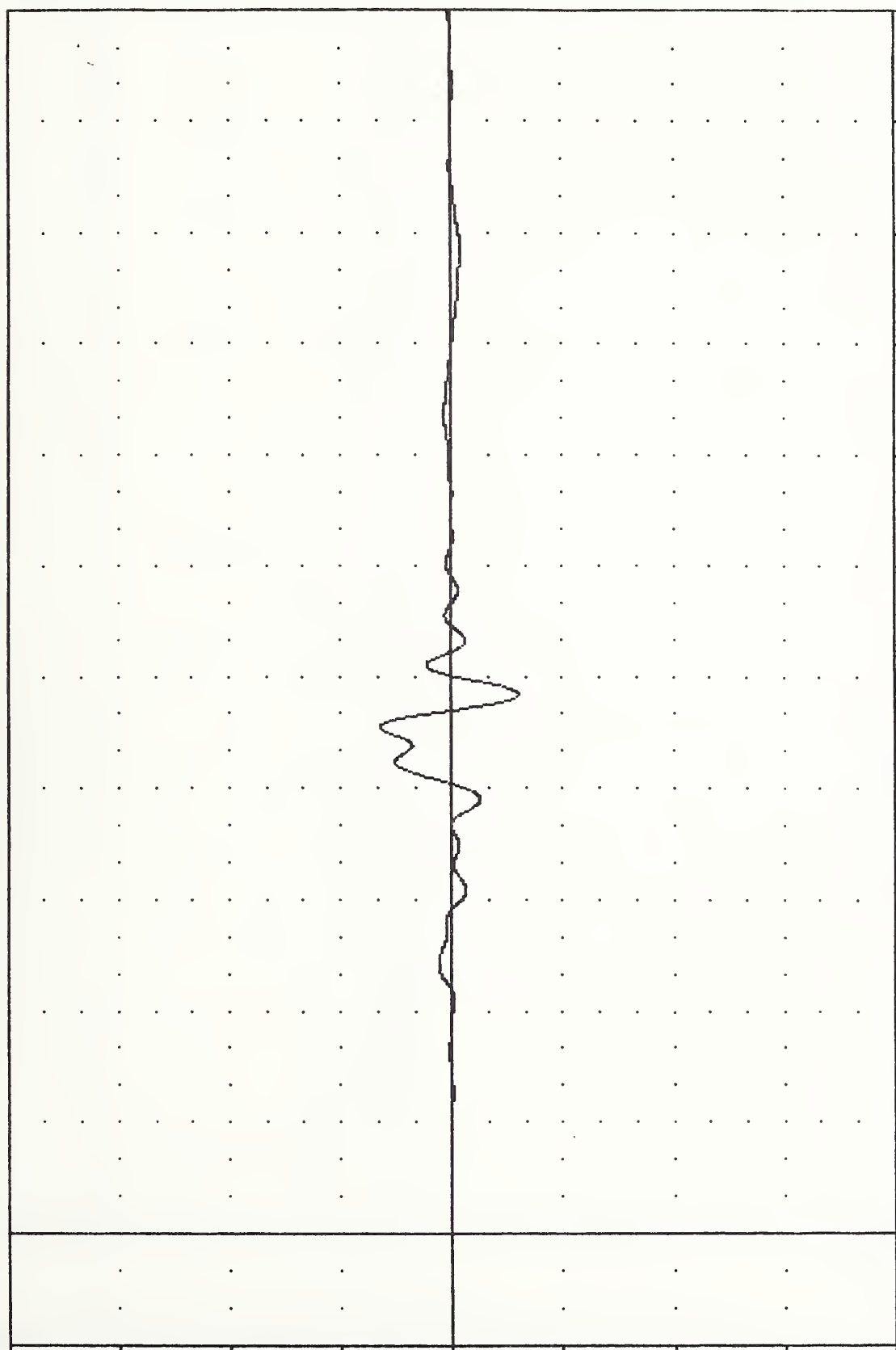
VRIC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
STHLG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -30.27 96.75 32.53 90.88

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

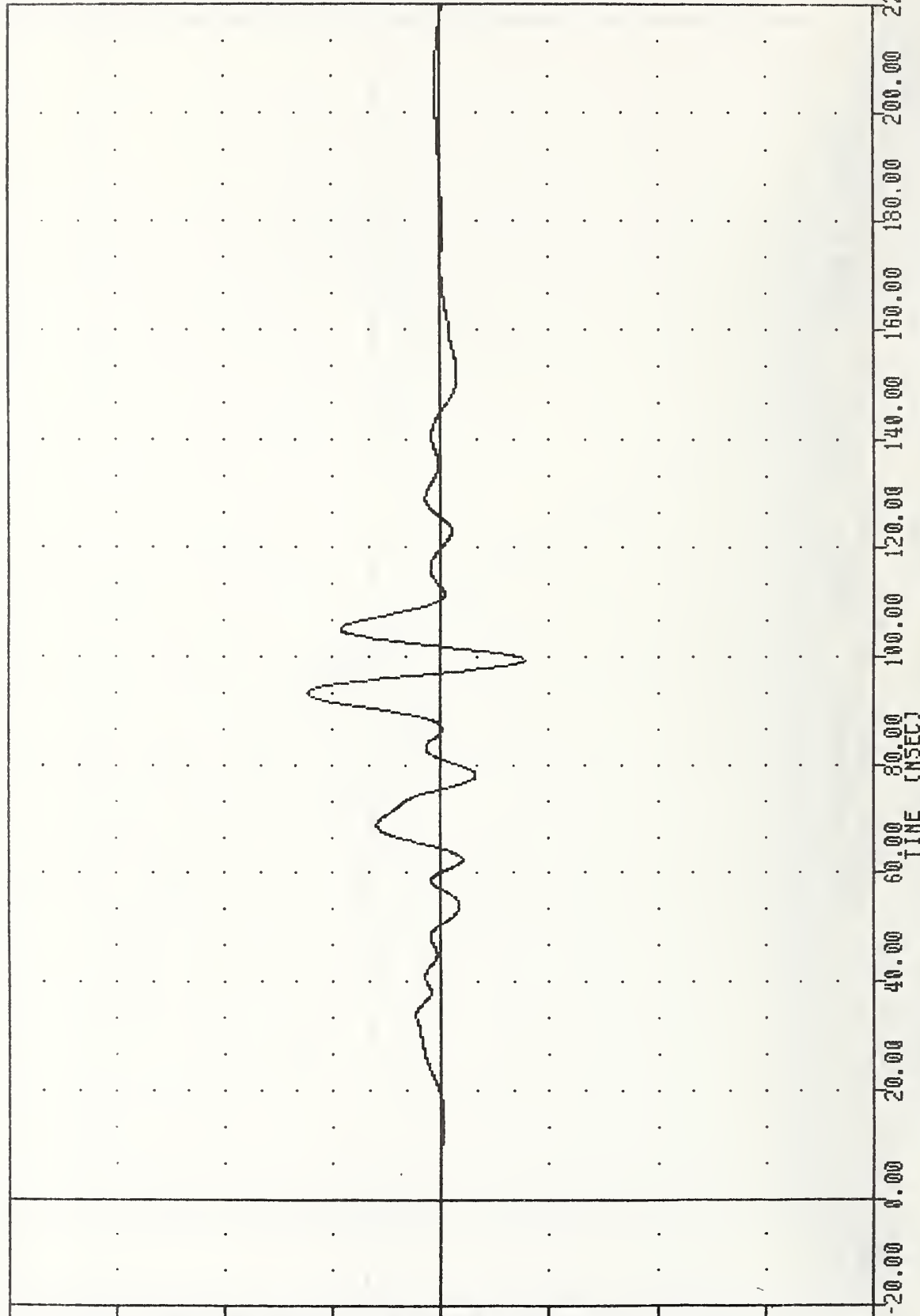
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

WATC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
STH16

PLOT DATE 22-MAY-85 09:35:45

FILTER = 8LPF 100/ 316/ -40
MIN. MAX VALUES = -38.67* 99.38 , 61.33 * 93.38

338
ACCELERATION (G)



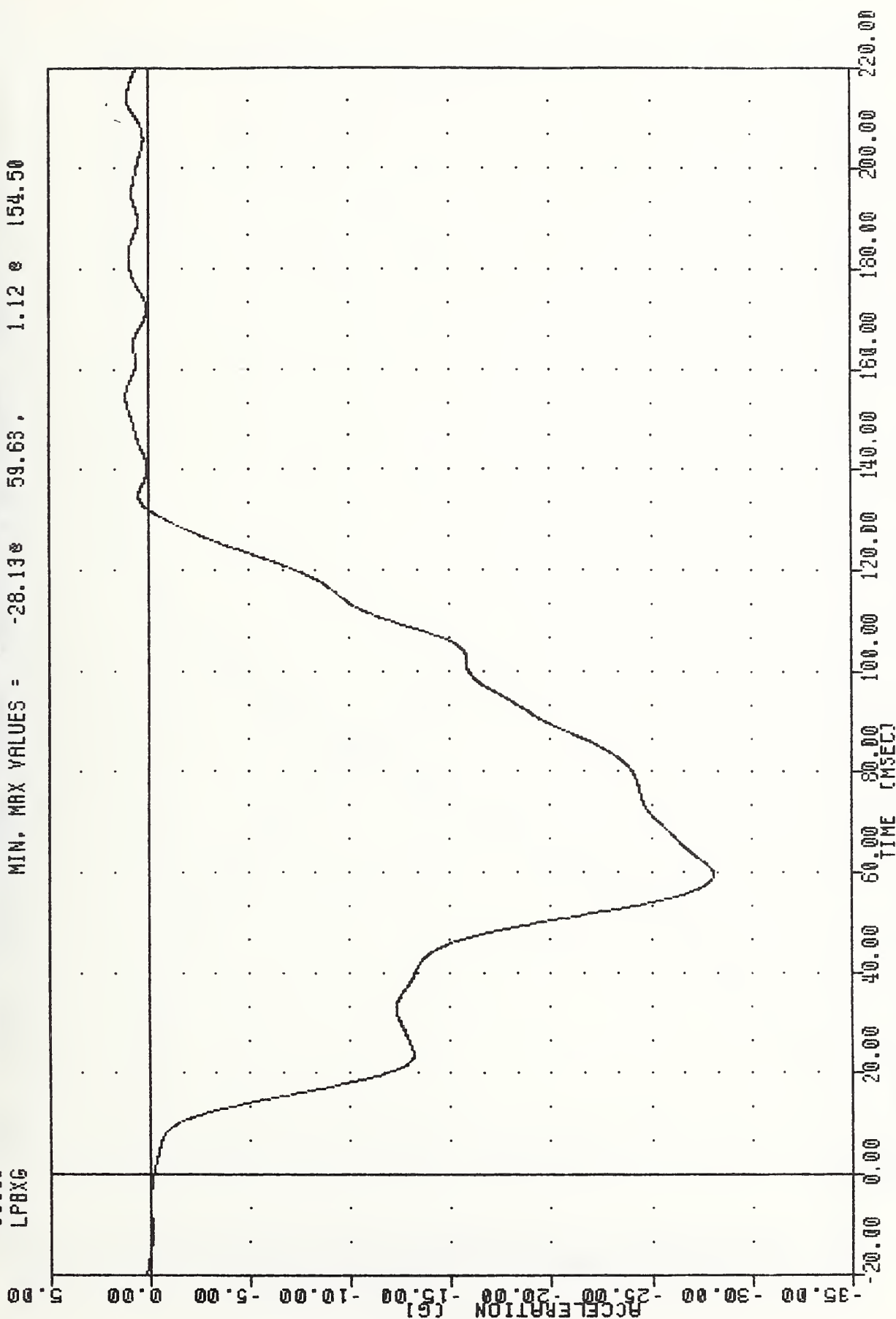
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRIC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
LP8XG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -28.13e 59.63, 1.12 e 154.50

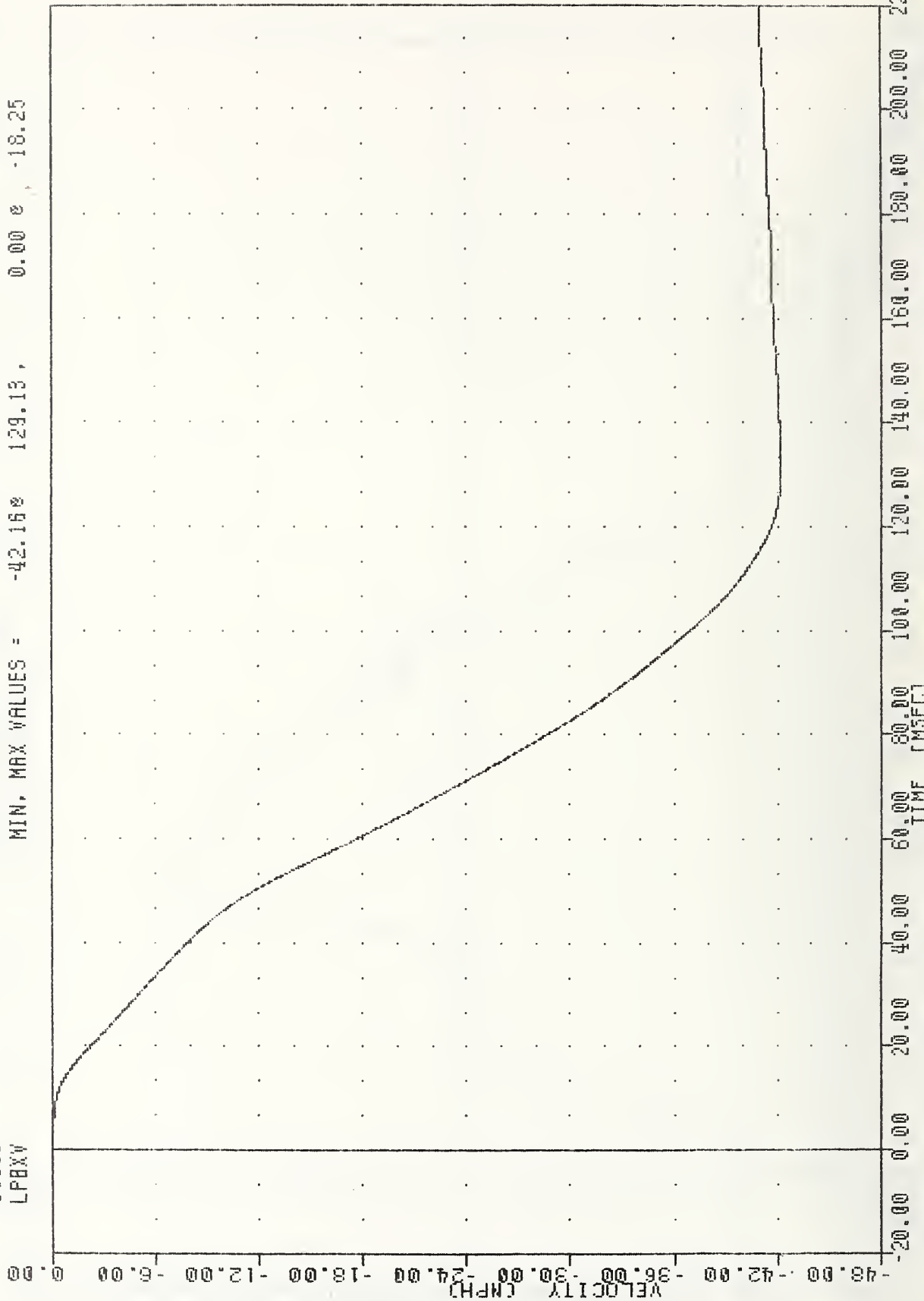


VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 LPBXV

PLOT DATE 11-JUN-85 11:19:15

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -42.16 129.13, 0.00 0, -18.25



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

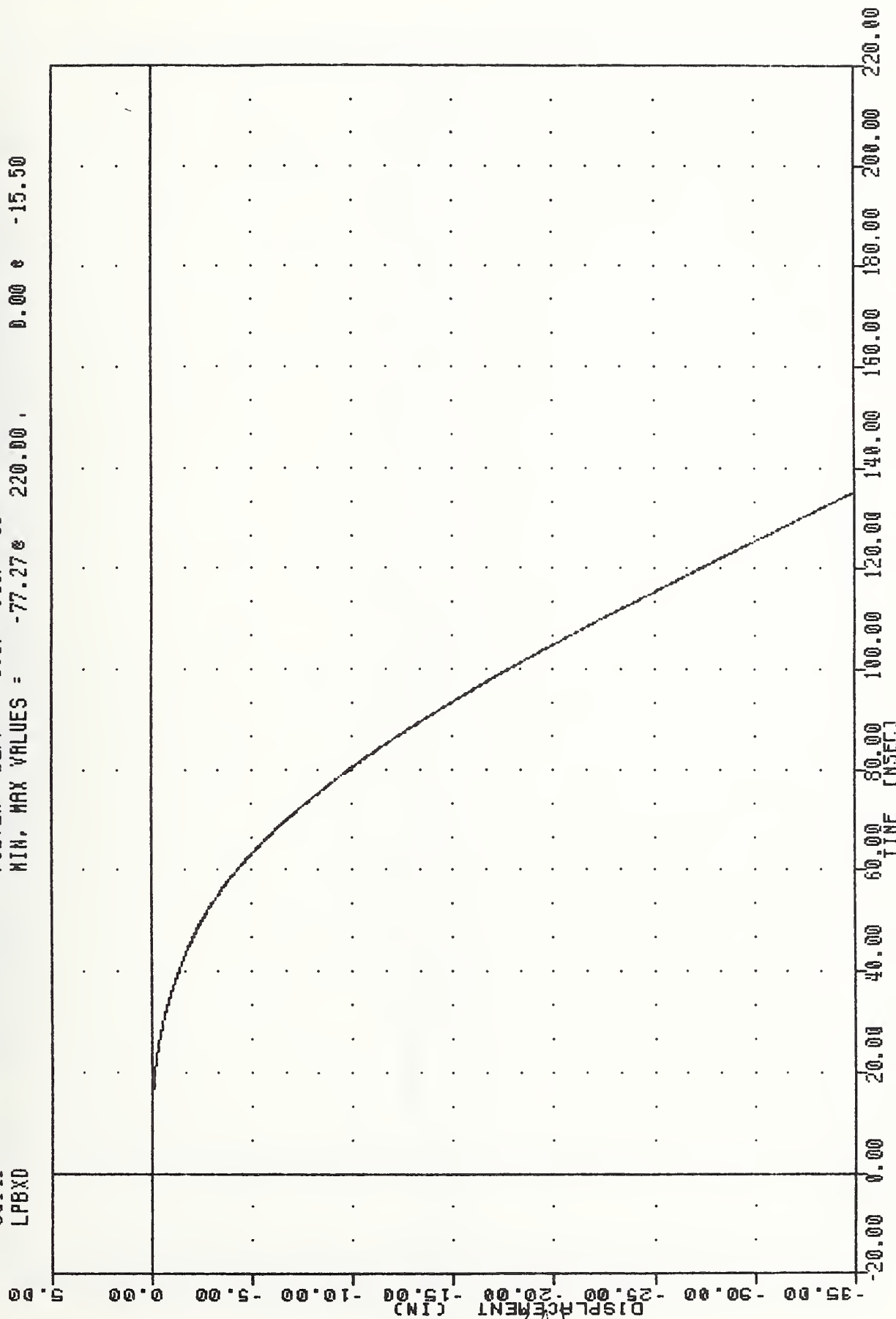
DELTA V USING LPBXG

VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
LPBXD

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -77.27 220.00 0.00 -15.50



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXV

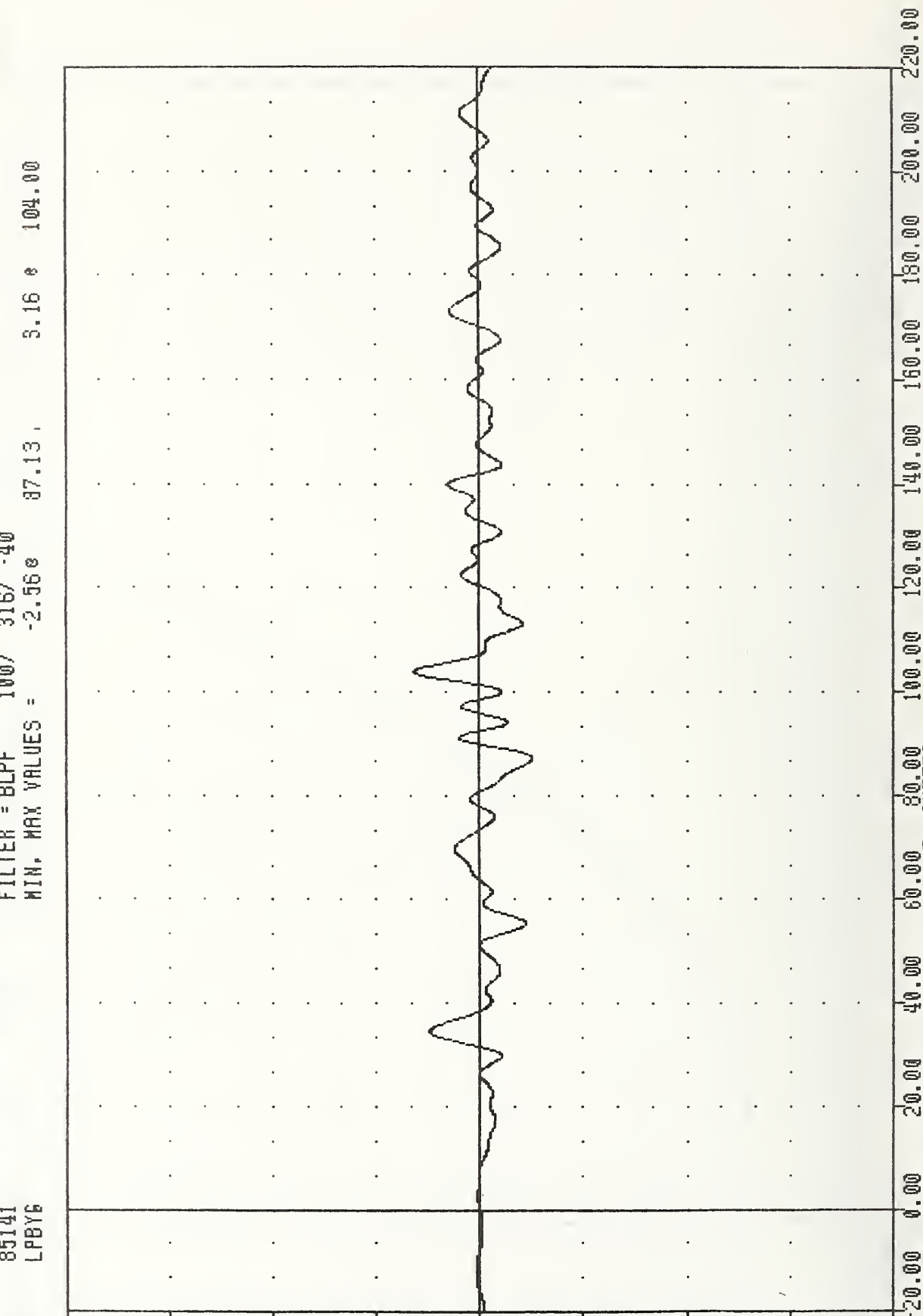
VATC , RD384-4-36
BRAED AIRBAG SLED PROGRAM
85141
LPBYG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.56e 87.13, 3.16 e 104.00

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

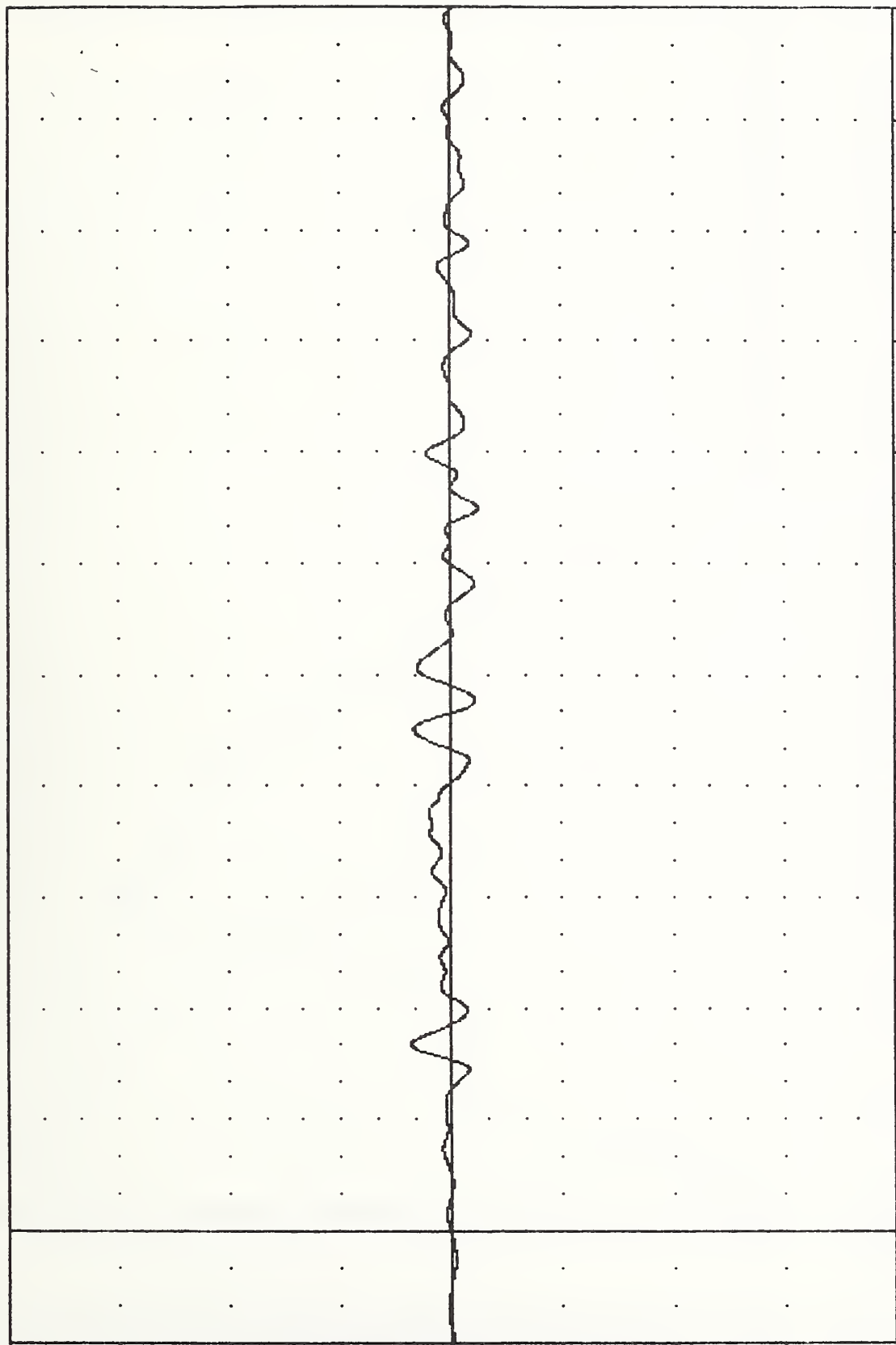
VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
LPBZG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.238 129.75, 1.82 33.38

ACCELERATION (G)



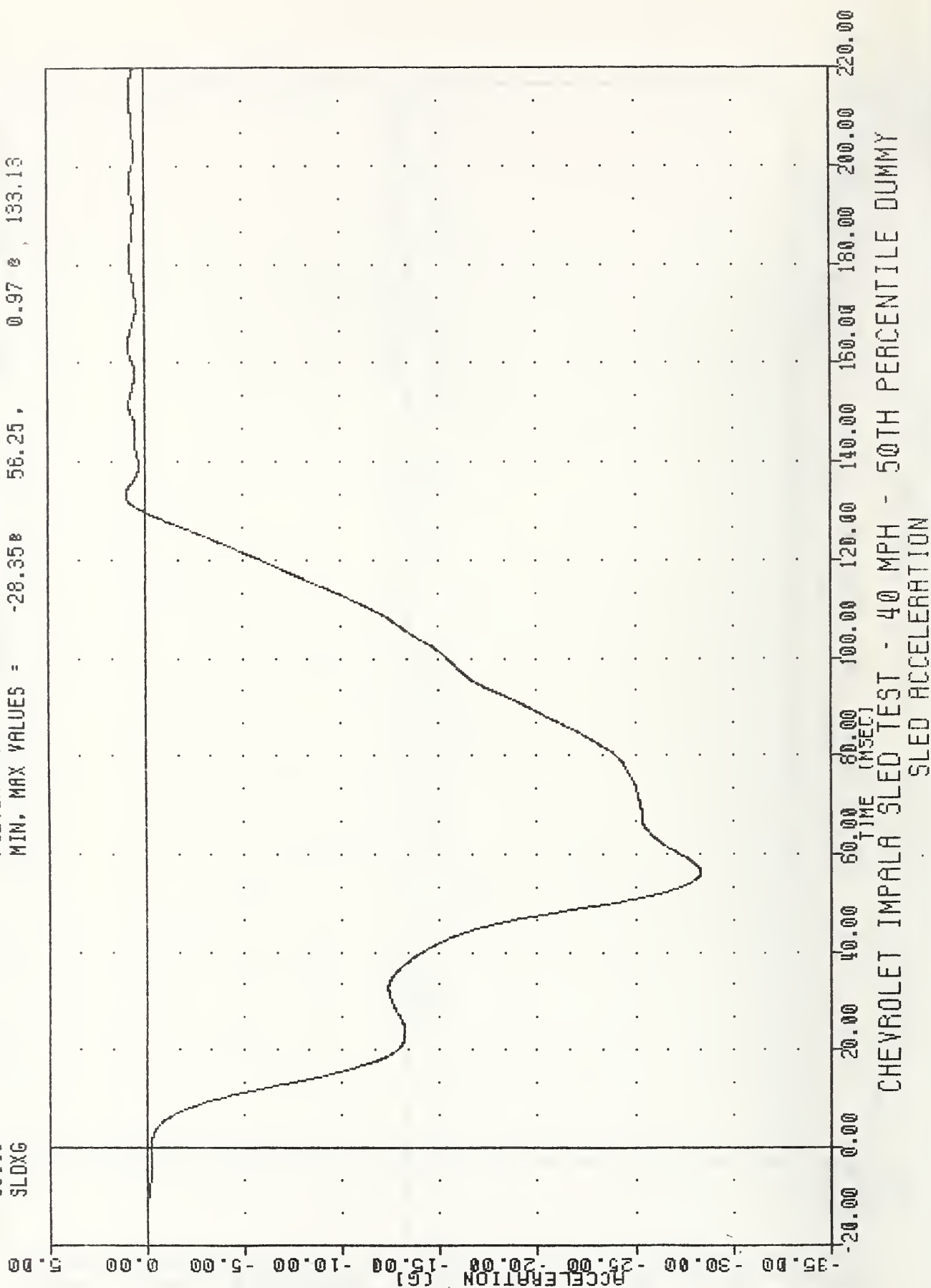
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
SLDXG

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -28.35 56.25 , 0.97 0 , 133.13



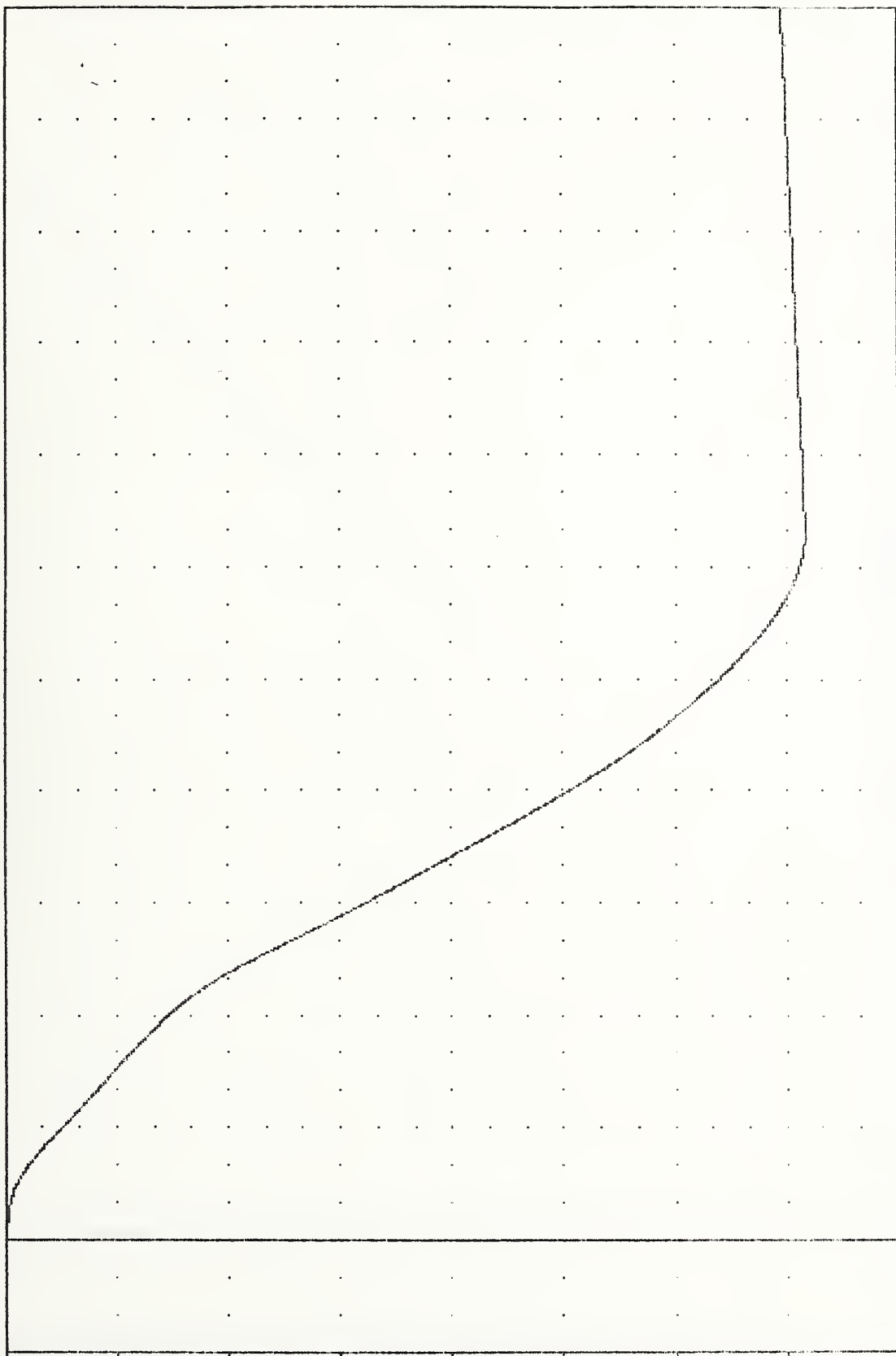
VRTC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 SLDXVI

PLOT DATE 11-JUN-85 11:19:15

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -43.03 127.25 , -0.01 2 -19.00

VELOCITY (MPH)



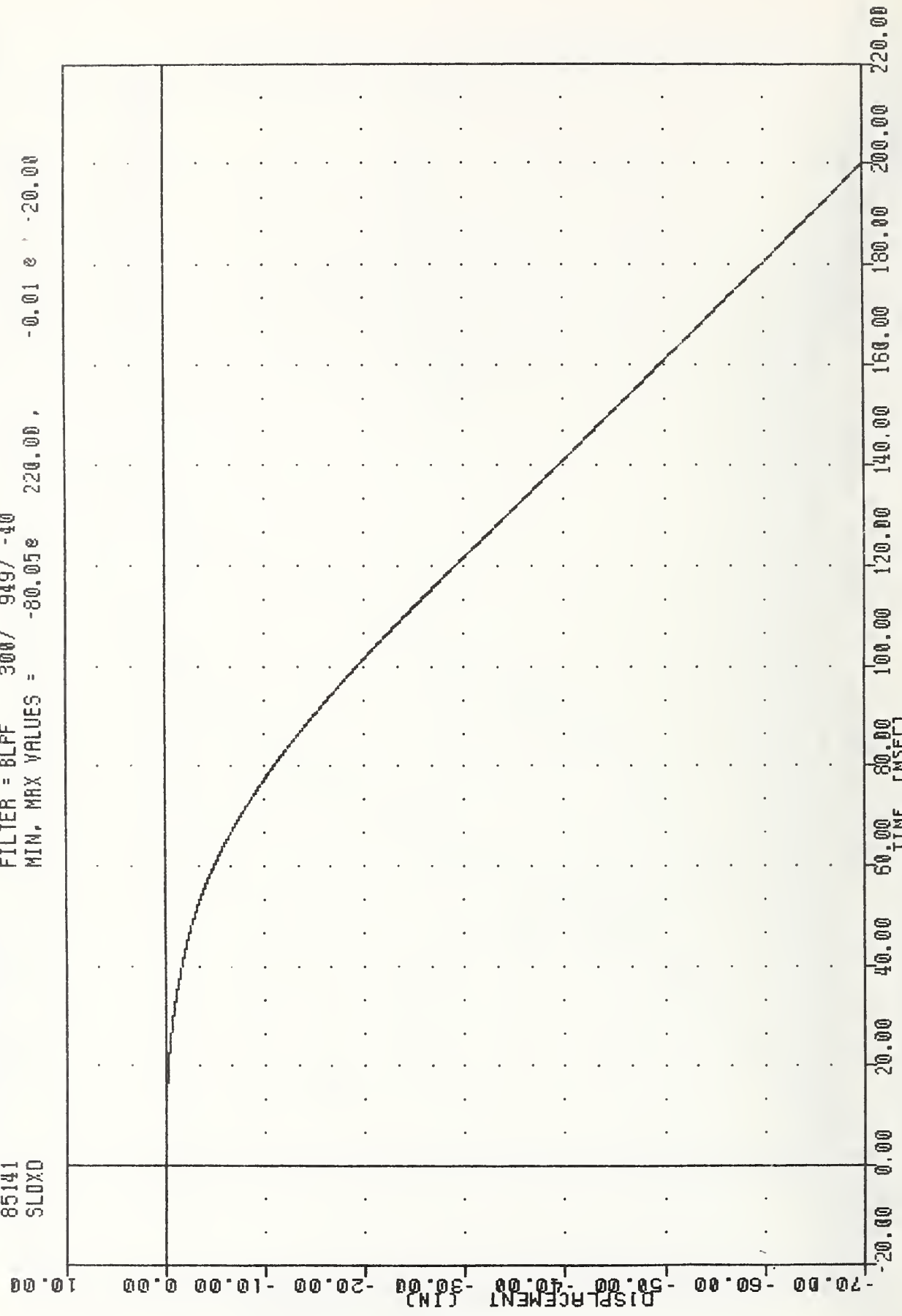
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 SLED VELOCITY (INTEGRATED)

VRIC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 SLOXD

PLOT DATE 22-MAY-85 09:37:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -80.05e 220.00, -0.01 e -20.00



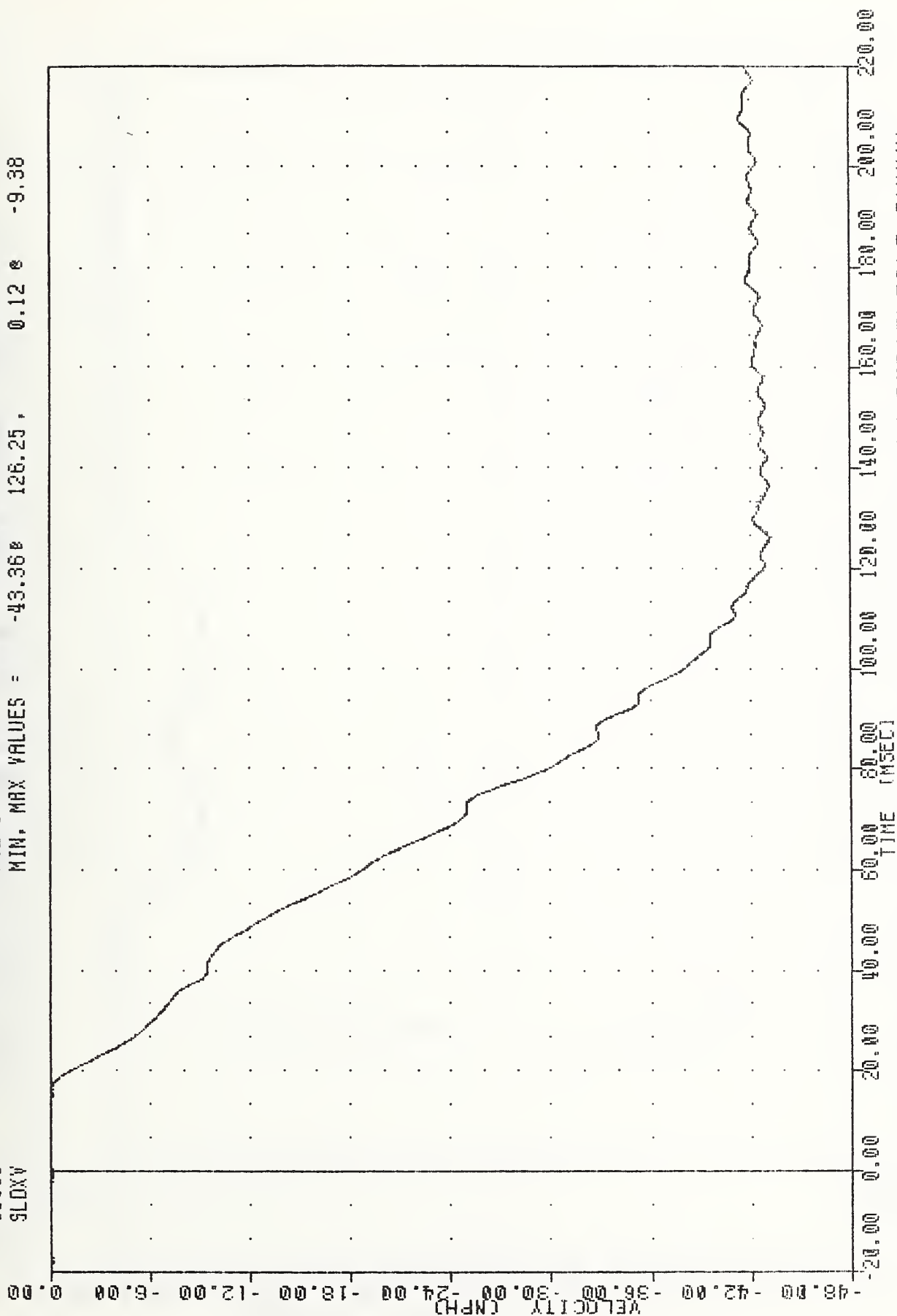
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VRTC , R0384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 SLOXV

PLOT DATE 11-JUN-85 11:27:55

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -43.36 128.25, 0.12 0.12 -9.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 SLED VELOCITY (CHRYSLER)

VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
ABTP

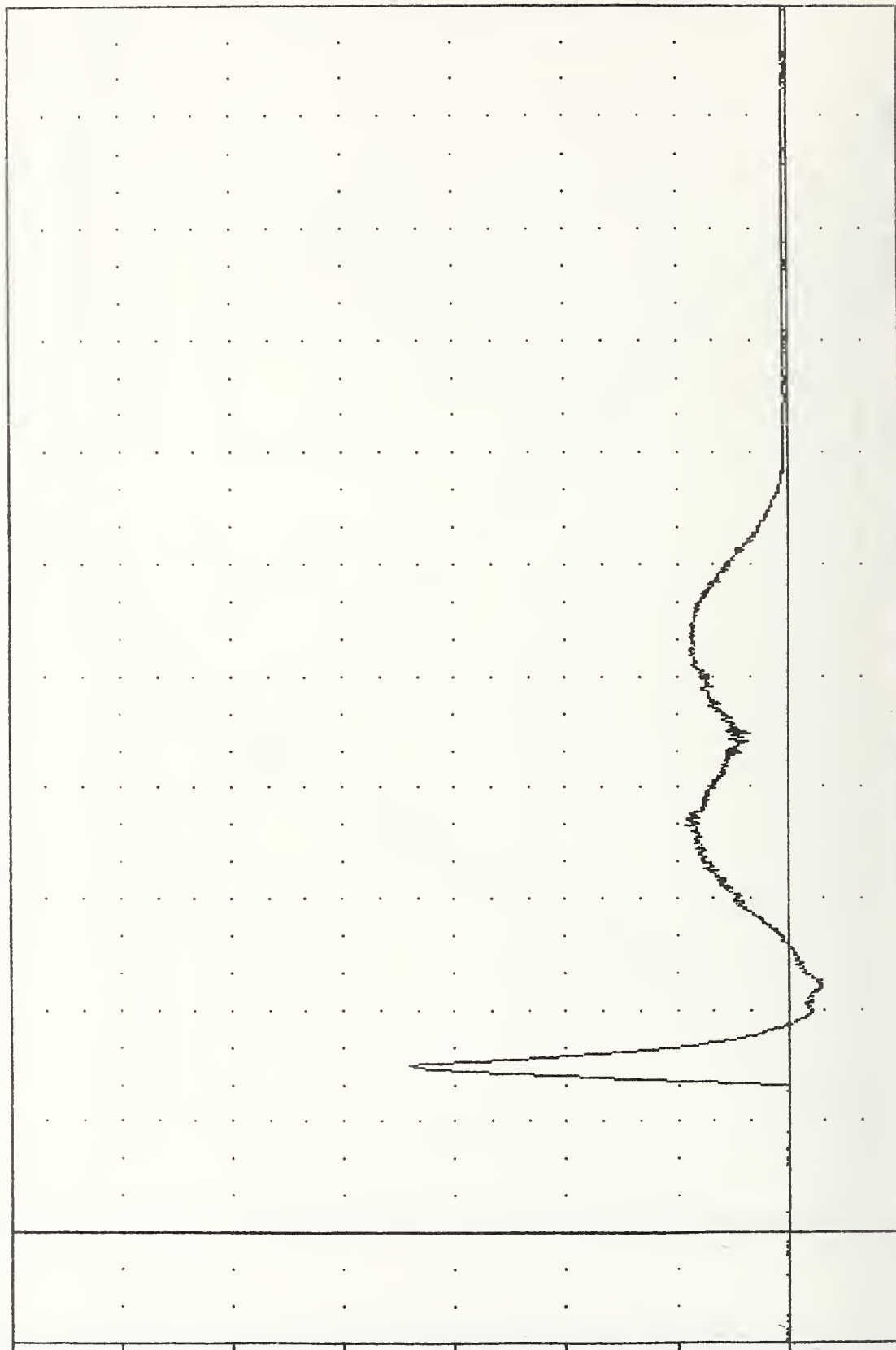
PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.99 44.13, 33.99 30.00

70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
-10.00

PSI (PSI)



-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

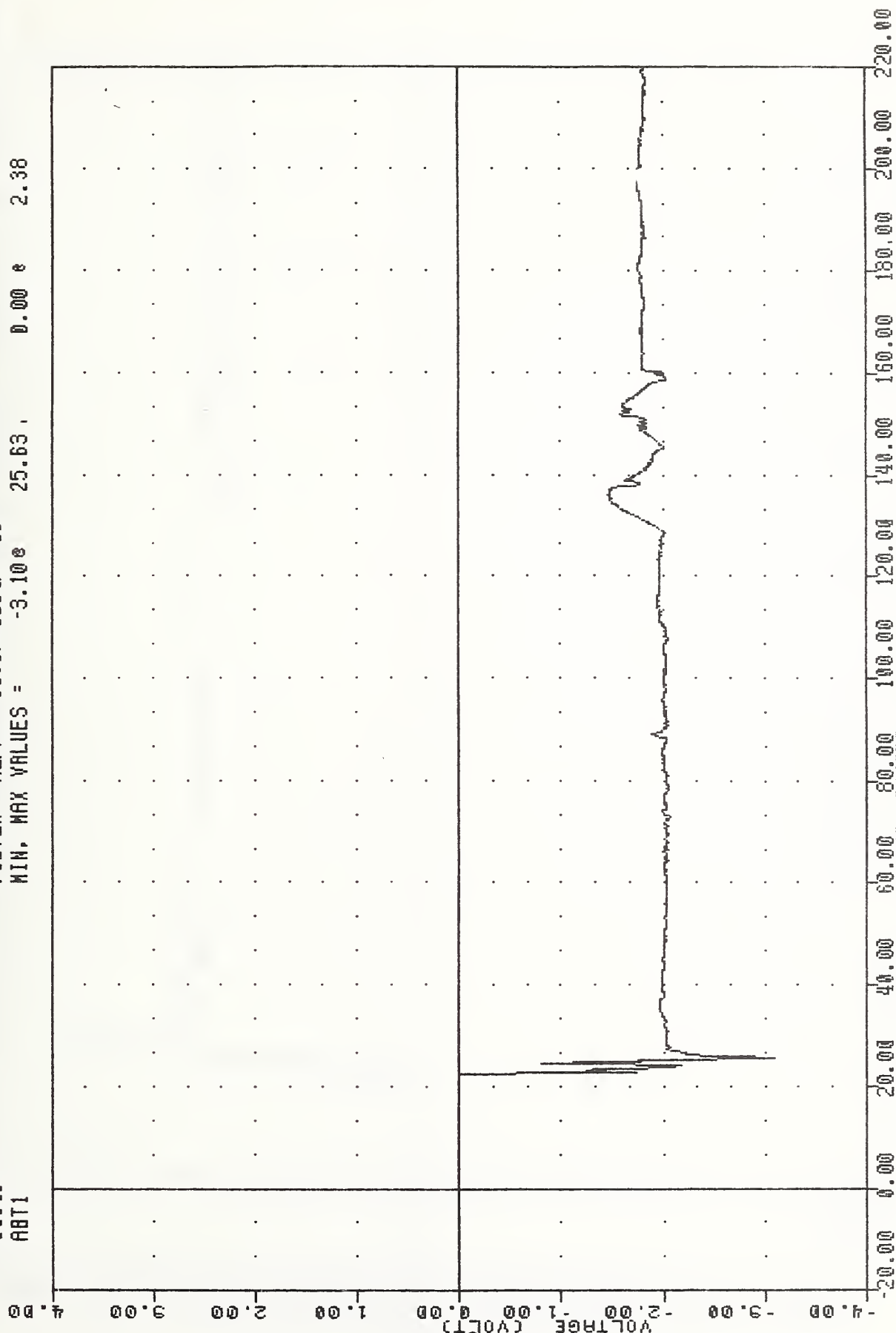
AIRBAG PRESSURE

VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
ABT1

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.10e 25.63, 0.00 e 2.38



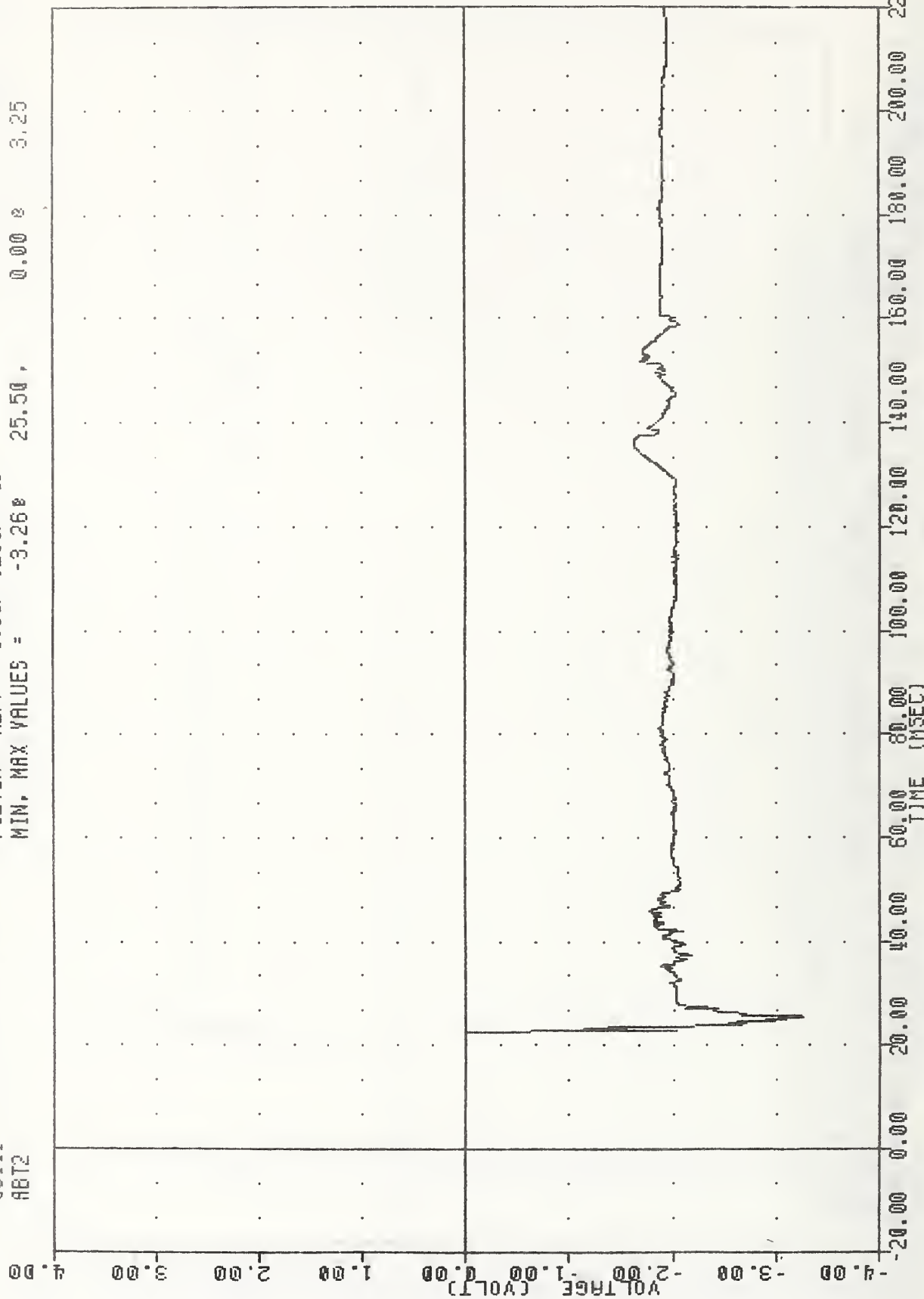
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRTC
BREED AIRBAG SLED PROGRAM
85141
ABT2

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -3.26 25.50 0.00 3.25



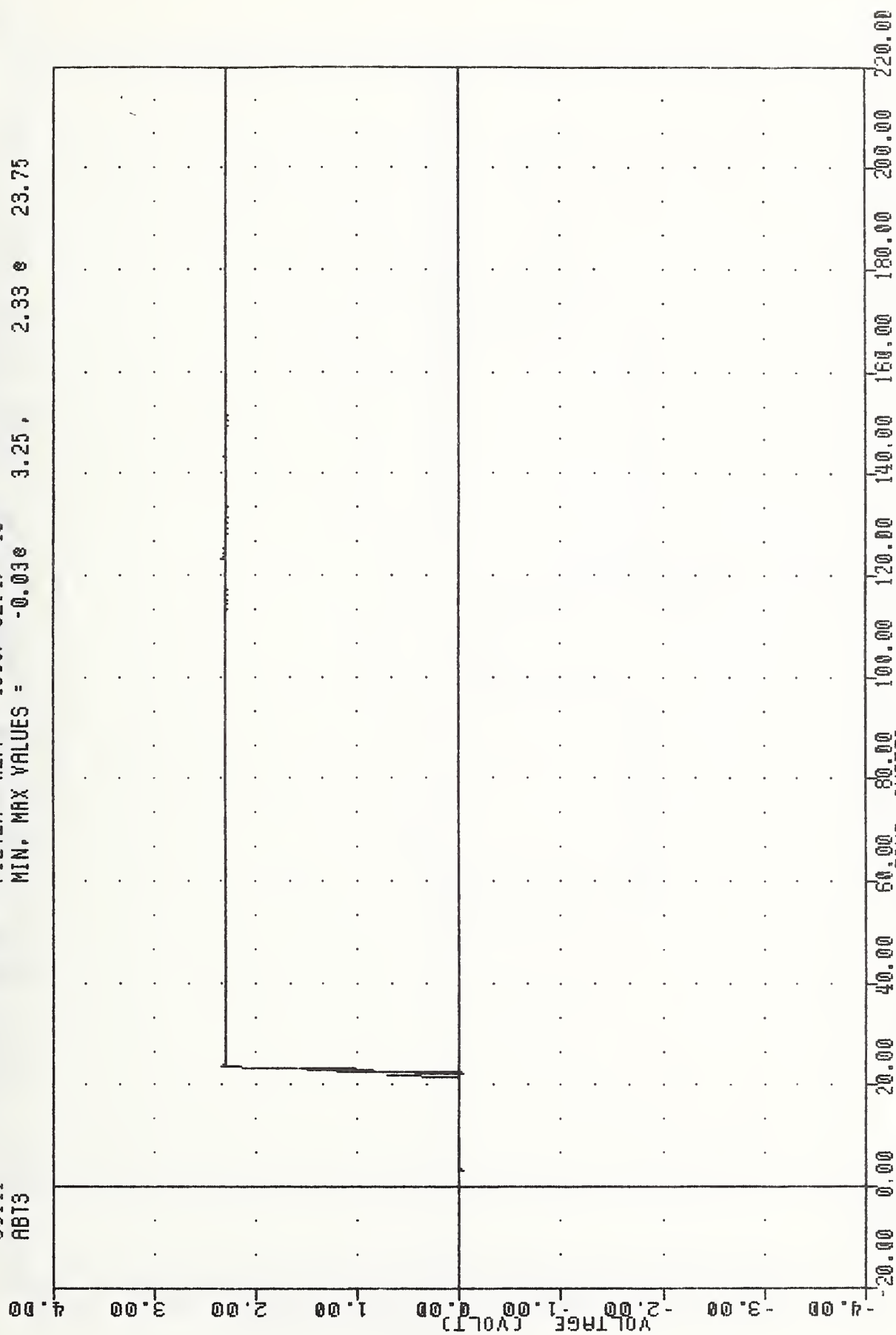
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRIC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
ABT3

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.03e 3.25 , 2.33 e 23.75



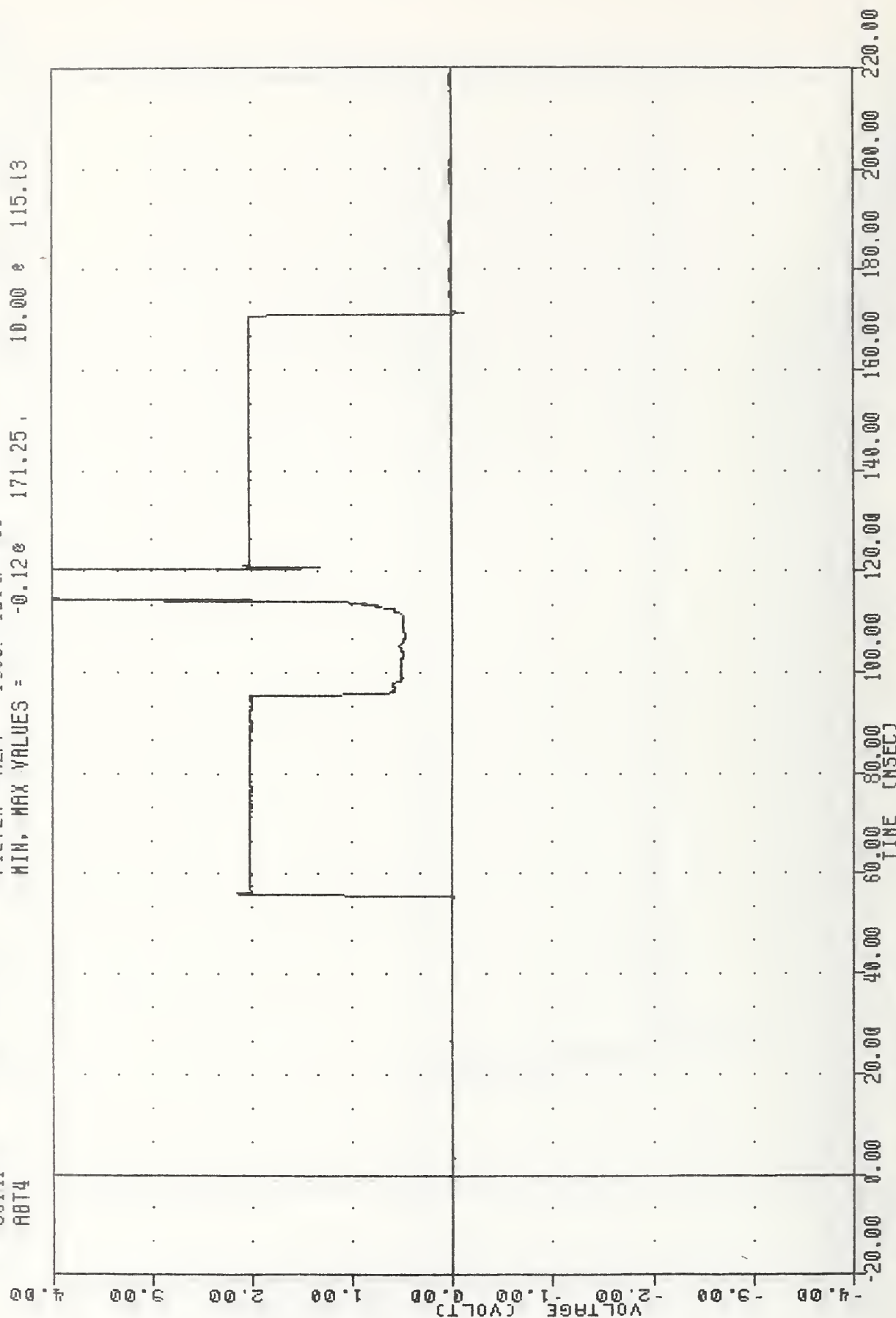
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR

VRAC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
ABT4

PLOT DATE 22-MAY-85 09:35:45

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.12e 171.25, 10.00 e 115.13



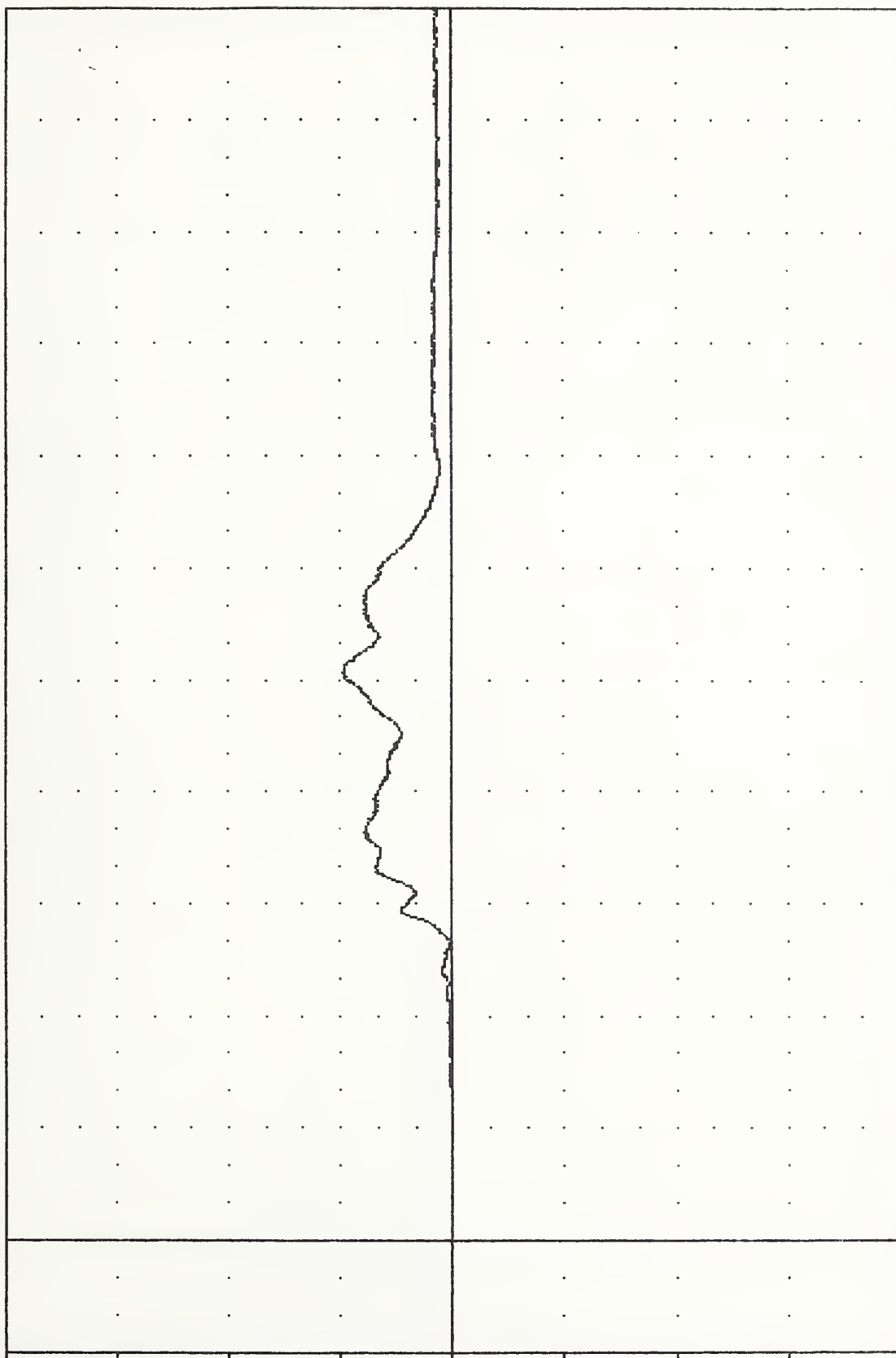
NRTC
BREED AIRBAG SLED PROGRAM
85141
HEDRG1

PLOT DATE 22-MAY-85 08:53:37

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.04g 7.75, 48.69 g 101.25

ACCELERATION [g]



353

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

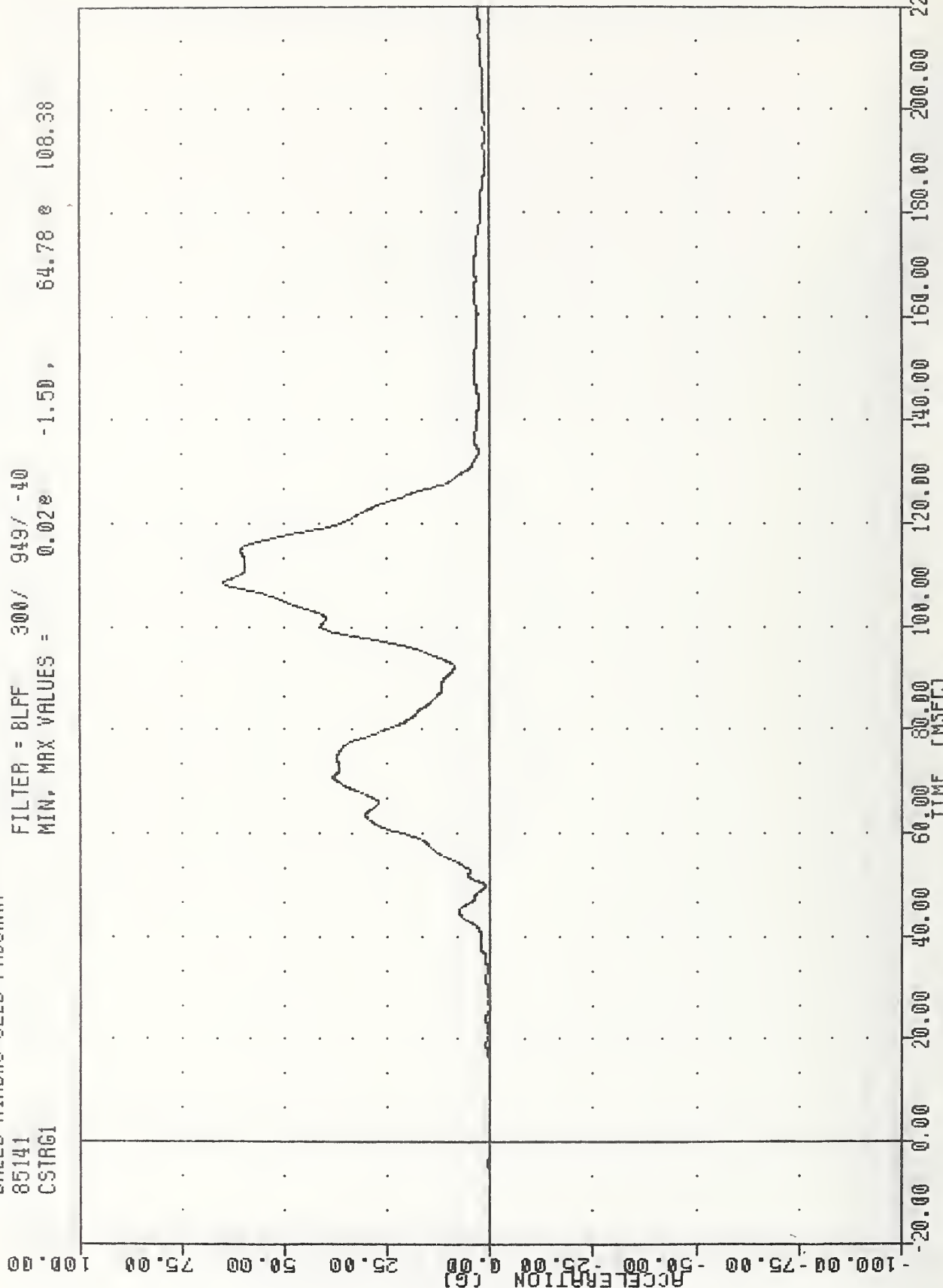
DRIVER HEAD RESULTANT

VRTC , RD384-4-36
BASED AIRBAG SLED PROGRAM
85141
CSTRG1

PLOT DATE 22-MAY-85 08:53:37

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = 0.02e -1.50, 64.78 e 108.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

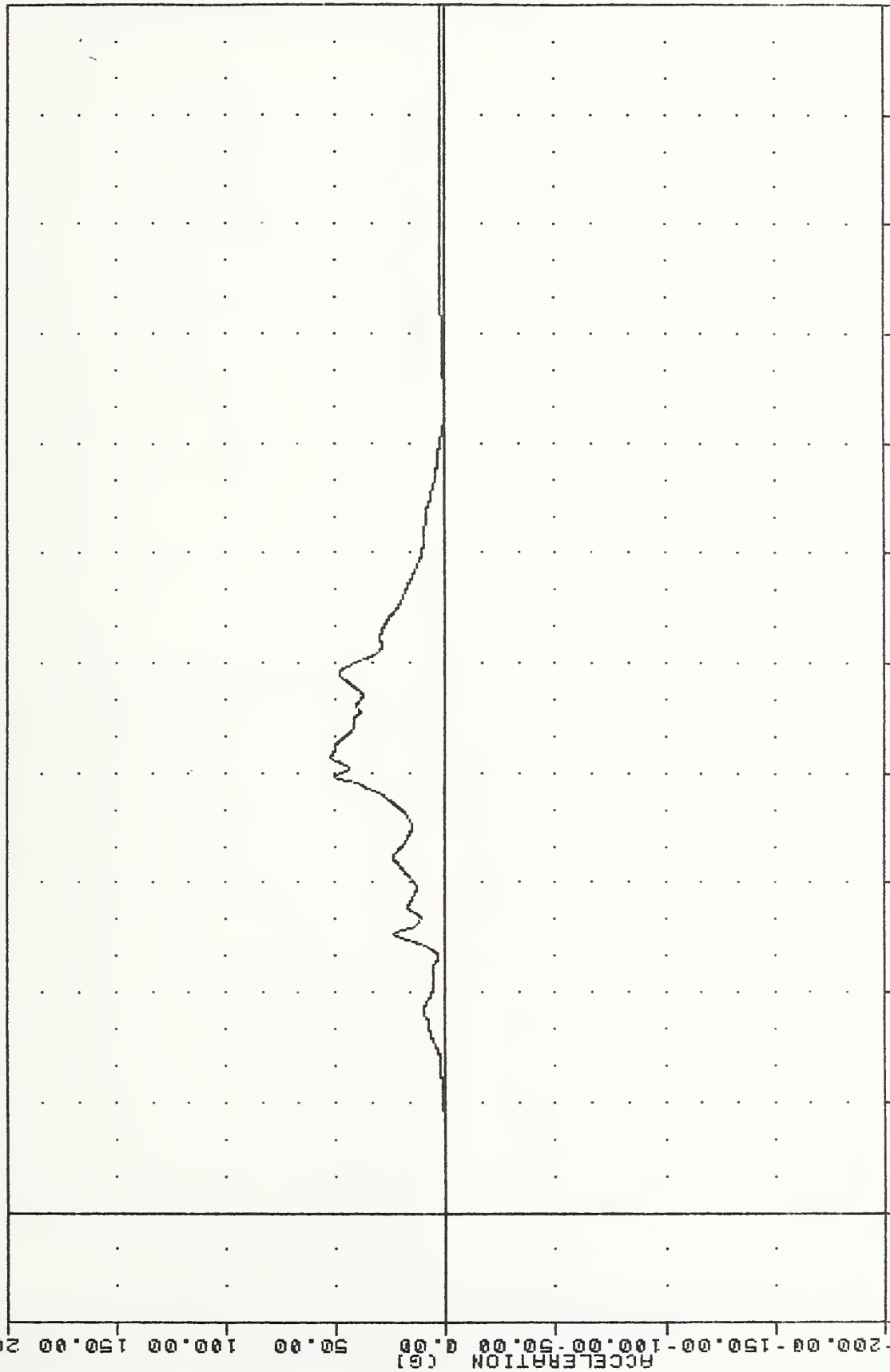
VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
PEVR61

PLOT DATE 22-MAY-85 08:53:37

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.01e -11.00 , 52.21 e 82.88

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

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

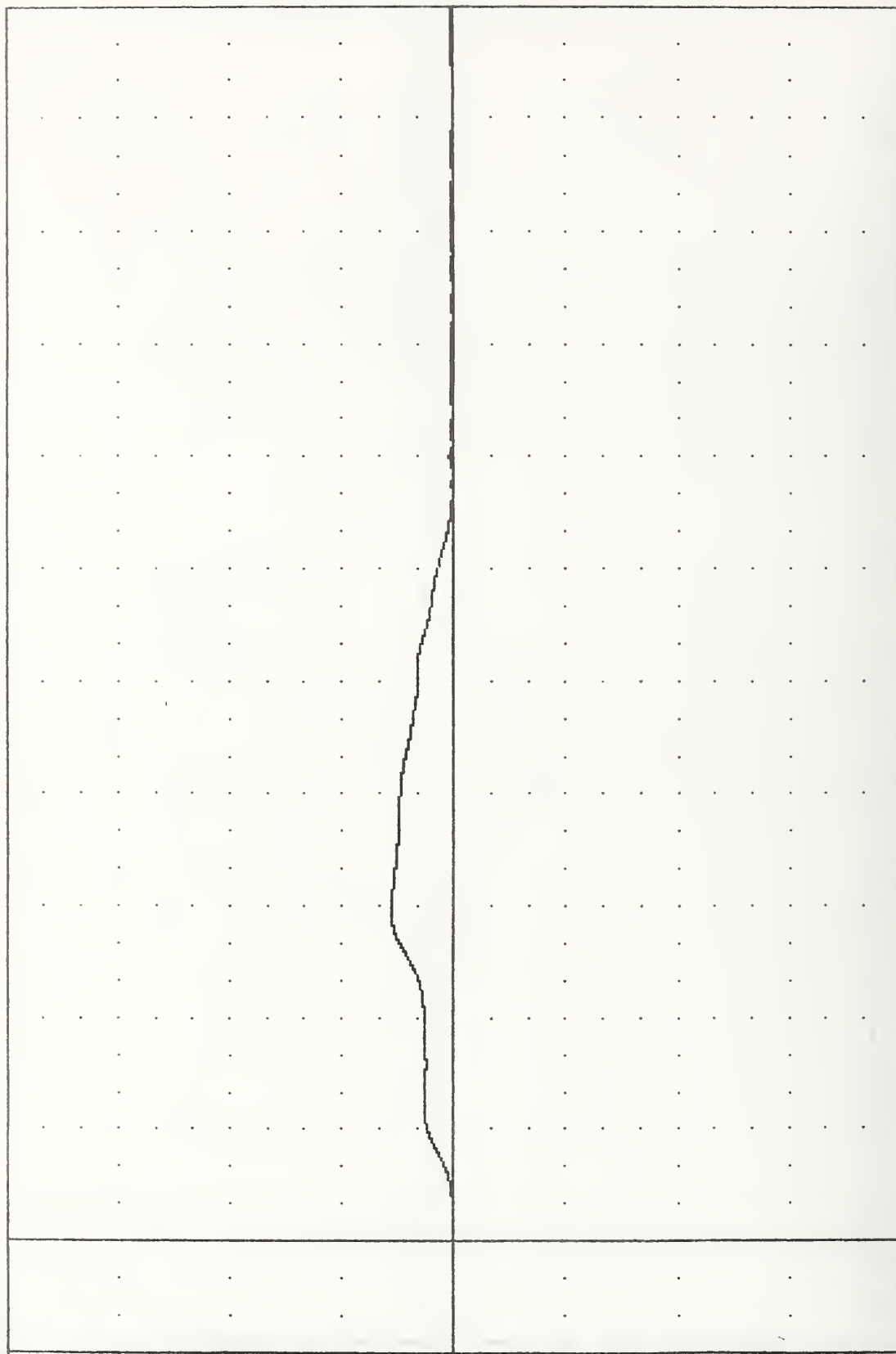
VRIC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 LPBAG

PLOT DATE 22-MAY-85 08:53:37

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.09e -8.13, 28.13 e 59.63

ACCELERATION (G)



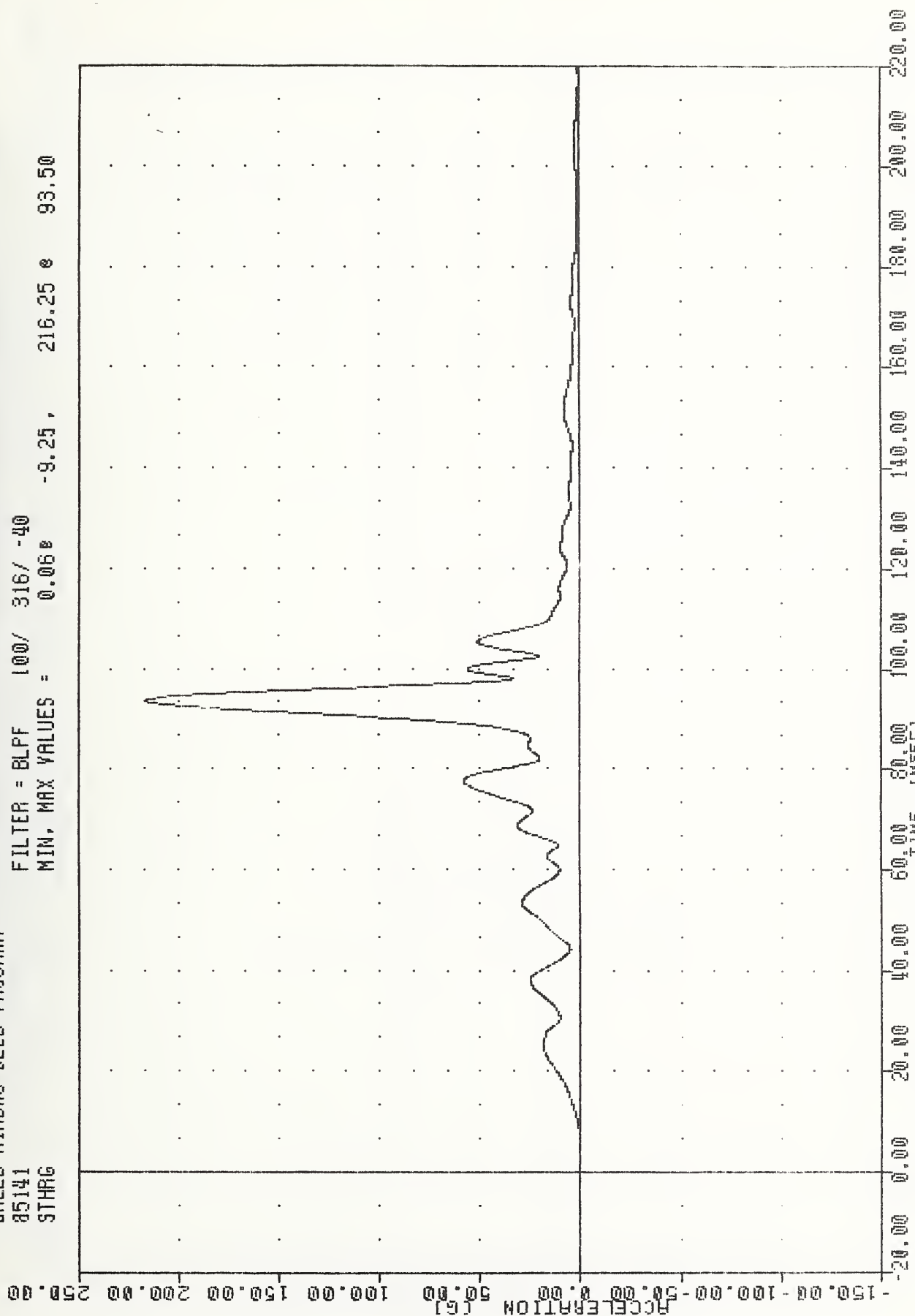
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

VRTC , R0384-4-36
BREED AIRBAG SLED PROGRAM
85141
STHRG

PLOT DATE 11-JUN-85 12:37:45

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.068 -9.25, 216.25 93.50

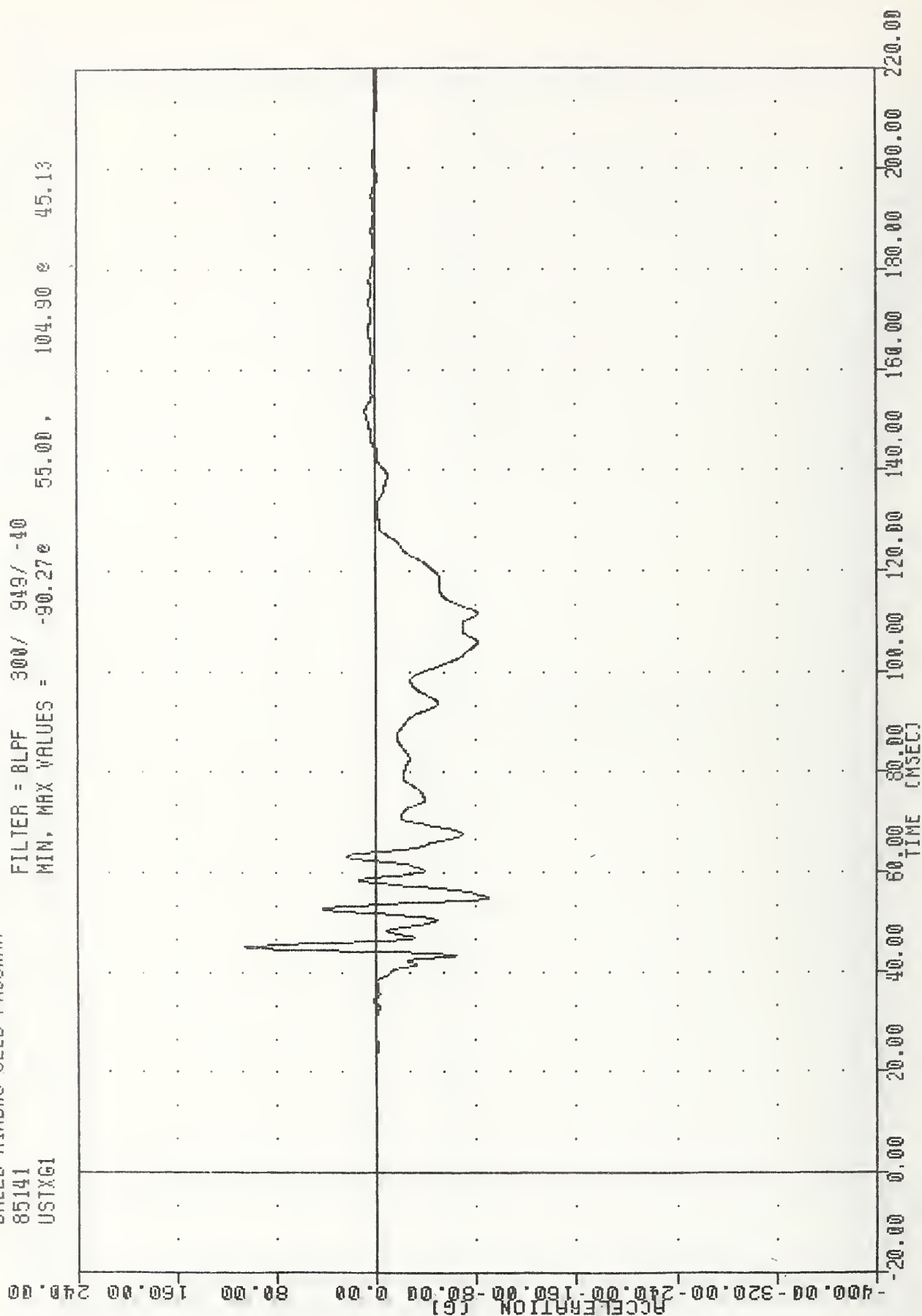


VRTC , RD384-4-36
BREED AIRBAG SLED PROGRAM
85141
USTXG1

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -90.27e 55.00, 104.90 e 45.13

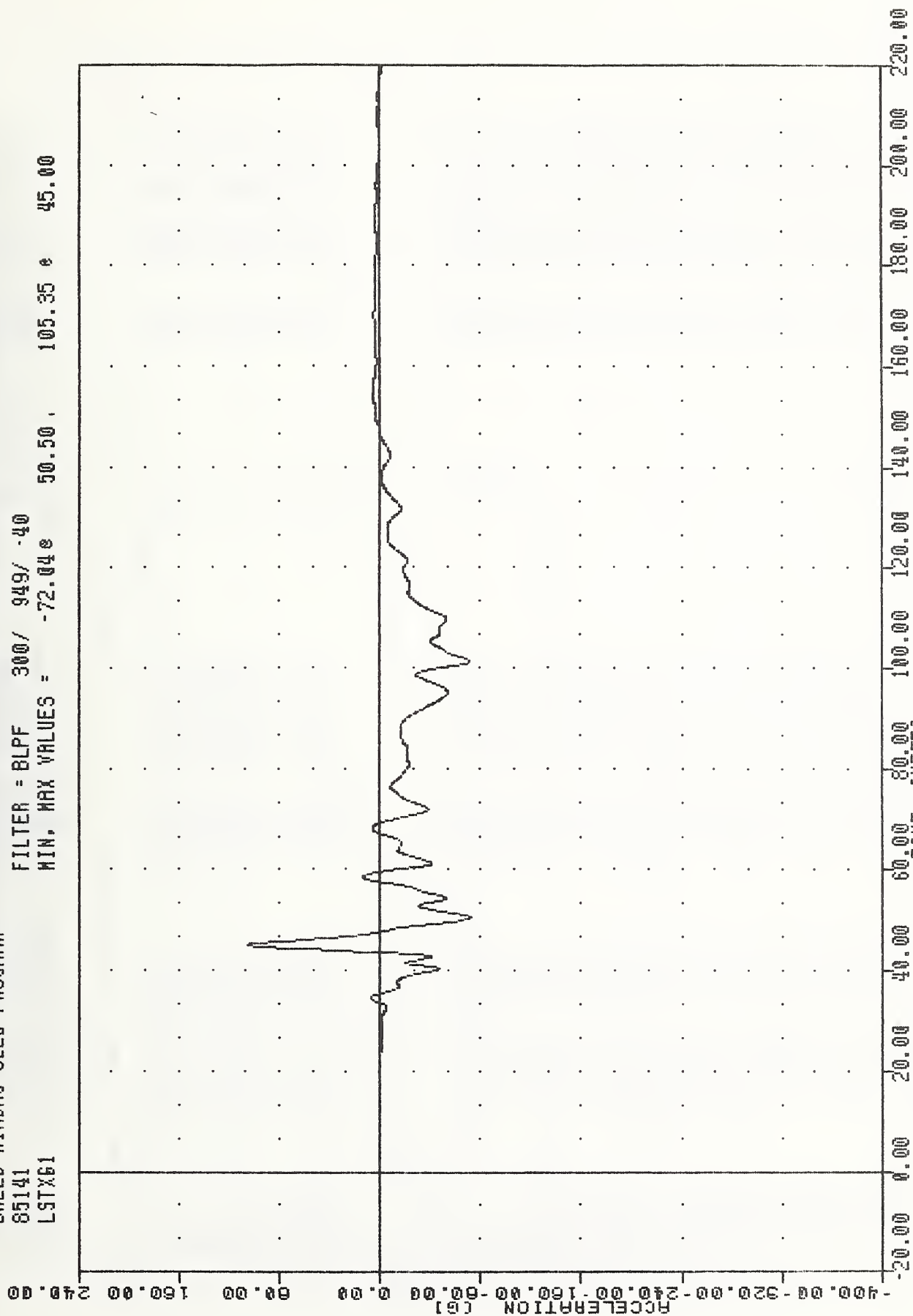


WATC , RD384-4-36
 BREED AIRBAG SLED PROGRAM
 85141
 LSTX61

PLOT DATE 22-MAY-85 09:35:45

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -72.048 50.50 , 105.35 e 45.00



TRC444P. RAD; 1

RD384-4-37 BREED AIRBAG SLED PROGRAM

22-MAY-85 14:37

VRTC

40.00 mph

85142

1	EVENT	Min value		Max value		Data Units	Filter	
1	EVENT	0.046 @	0.250	1.618 @	-18.875 msec	volt	ALPF	1650/ 5214/ -40
2	SLDXV	-43.148 @	126.875	0.117 @	-9.625 msec	mph	ALPF	100/ 316/ -40
3	SLDXG	-28.337 @	56.500	1.025 @	133.500 msec	g	BLPF	100/ 316/ -40
4	HEDXG1	-48.432 @	112.875	2.659 @	216.375 msec	g	ALPF	1650/ 5214/ -40
5	HEDYV1	-1.201 @	165.375	11.105 @	115.375 msec	g	ALPF	1650/ 5214/ -40
6	HEDZG1	-5.103 @	57.125	17.768 @	120.500 msec	g	ALPF	1650/ 5214/ -40
7	CSTXG1	-52.383 @	108.625	2.957 @	144.250 msec	g	BLPF	300/ 949/ -40
8	CSTYV1	-1.538 @	116.500	7.536 @	93.750 msec	g	BLPF	300/ 949/ -40
9	CSTZG1	-1.082 @	51.625	6.985 @	111.875 msec	g	BLPF	300/ 949/ -40
10	USTXG1	-116.038 @	56.500	84.933 @	45.125 msec	g	BLPF	300/ 949/ -40
11	LSTXG1	-60.764 @	40.000	61.402 @	45.375 msec	g	BLPF	300/ 949/ -40
12	PEUXG1	-52.730 @	81.375	2.484 @	207.500 msec	g	BLPF	300/ 949/ -40
13	PEVVG1	-3.945 @	76.125	3.441 @	89.125 msec	g	BLPF	300/ 949/ -40
14	PEVZG1	-28.607 @	89.500	0.983 @	177.625 msec	g	BLPF	300/ 949/ -40
15	LFMF1	-788.432 @	57.500	100.410 @	208.000 msec	lb	BLPF	1000/ 3162/ -40
16	RFMF1	-509.019 @	80.125	103.160 @	217.375 msec	lb	BLPF	1000/ 3162/ -40
17	STHPG	-185.114 @	92.500	44.176 @	74.625 msec	g	BLPF	100/ 316/ -40
18	STHLG	-14.009 @	106.625	32.207 @	99.625 msec	g	BLPF	100/ 316/ -40
19	STHIG	-20.060 @	75.875	61.690 @	94.125 msec	g	BLPF	100/ 316/ -40
20	LPBXG	-28.011 @	60.125	1.362 @	153.875 msec	g	BLPF	100/ 316/ -40
21	LPBYG	-1.678 @	116.250	2.719 @	35.000 msec	g	BLPF	100/ 316/ -40
22	LPBZG	-1.095 @	187.250	1.580 @	90.125 msec	g	BLPF	100/ 316/ -40
23	LBDF1	-0.149 @	15.250	1514.260 @	85.000 msec	lb	BLPF	100/ 316/ -40
24	ABTP	-3.110 @	43.875	35.037 @	31.625 msec	psig	ALPF	1650/ 5214/ -40
25	ABT1	-9.999 @	87.875	1.615 @	85.375 msec	volt	ALPF	1650/ 5214/ -40
26	ABT2	-2.773 @	26.875	0.002 @	-19.375 msec	volt	ALPF	1650/ 5214/ -40
27	ABT3	-0.040 @	23.500	2.352 @	24.250 msec	volt	ALPF	1650/ 5214/ -40
28	ABT4	-3.325 @	180.375	9.996 @	93.250 msec	volt	ALPF	1650/ 5214/ -40

TRC444IP. RAD; 1

RD384-4-37 BREED AIRBAG SLED PROGRAM

22-MAY-85 14:37

VRTC

40.00 mph

85142

1	EVENT	Min value		Max value		Data Units	Filter	
1	HEDXV1	-54.166 @	191.375	0.899 @	48.875 msec	mph	BLPF	300/ 949/ -40
2	HEDXD1	-75.521 @	220.000	0.492 @	59.875 msec	in	BLPF	300/ 949/ -40
3	CSTXV1	-52.305 @	138.000	0.141 @	-15.625 msec	mph	BLPF	300/ 949/ -40
4	CSTXD1	-79.228 @	220.000	0.132 @	32.750 msec	in	BLPF	300/ 949/ -40
5	PEVXV1	-39.676 @	150.375	0.037 @	-8.000 msec	mph	BLPF	300/ 949/ -40
6	PEVXD1	-67.341 @	220.000	0.029 @	10.250 msec	in	BLPF	300/ 949/ -40
7	SLDXV1	-42.989 @	127.375	0.015 @	-17.875 msec	mph	BLPF	300/ 949/ -40
8	SLDXD1	-79.596 @	220.000	0.009 @	-8.125 msec	in	BLPF	300/ 949/ -40
9	STHPV	-38.507 @	132.125	0.003 @	-17.625 msec	mph	BLPF	300/ 949/ -40
10	STHPD	-65.749 @	220.000	-0.005 @	-14.125 msec	in	BLPF	300/ 949/ -40
11	LPBXV	-42.262 @	129.875	-0.037 @	-12.375 msec	mph	BLPF	300/ 949/ -40
12	LPBXD	-77.255 @	220.000	-0.020 @	-20.000 msec	in	BLPF	300/ 949/ -40

TRC444RP. RAD; 1

RD384-4-37 BREED AIRBAG SLED PROGRAM

22-MAY-85 14:37

VRTC

40.00 mph

85142

1	EVENT	Min value		Max value		Data Units	Filter	
1	HEDRG1	0.016 @	-12.000	50.630 @	114.750 msec	g	ALPF	1650/ 5214/ -40
2	CSTRG1	0.011 @	-5.750	52.834 @	108.625 msec	g	BLPF	300/ 949/ -40
3	PEVRG1	0.103 @	5.875	58.420 @	81.500 msec	g	BLPF	300/ 949/ -40
4	STHRG	0.111 @	-16.750	193.161 @	92.625 msec	g	BLPF	100/ 316/ -40
5	LPBRG	0.016 @	-9.500	28.028 @	60.125 msec	g	BLPF	100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC444RP.RAD:1
VRTC RD384-4-37 BREED AIRBAG SLED PROGRAM
85142 40.00 mph

*** HIC computation for HEDRG1 22-MAY-85 14:38
Using time range = 0.000 to 151.250 msec Peak accel = 50.63 @ 114.750
HIC = 452.52 Interval from 58.375 [628] to 128.375 [1188]
HIC = 234.24 Interval from 104.250 [995] to 119.250 [1115]

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

Enter input filespec -> TRC444RP

File TRC444RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-37 BREED AIRBAG SLED PROGRAM 40.00 mph
HEDRG1 CSTRG1 FEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC444RP.RAD:1 VRTC RD384-4-37
BREED AIRBAG SLED PROGRAM 40.0 mph 85142 22-MAY-85 14:39:05
Deltax: 0.125

3 MS CLIP PEAK: 50.80042

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
\$

VRTC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
EVENT

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.05 0.25 , 1.62 e -18.88

4.00

3.00

2.00

1.00

0.00

362

VOLTAGE (VOLTS)

-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)

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

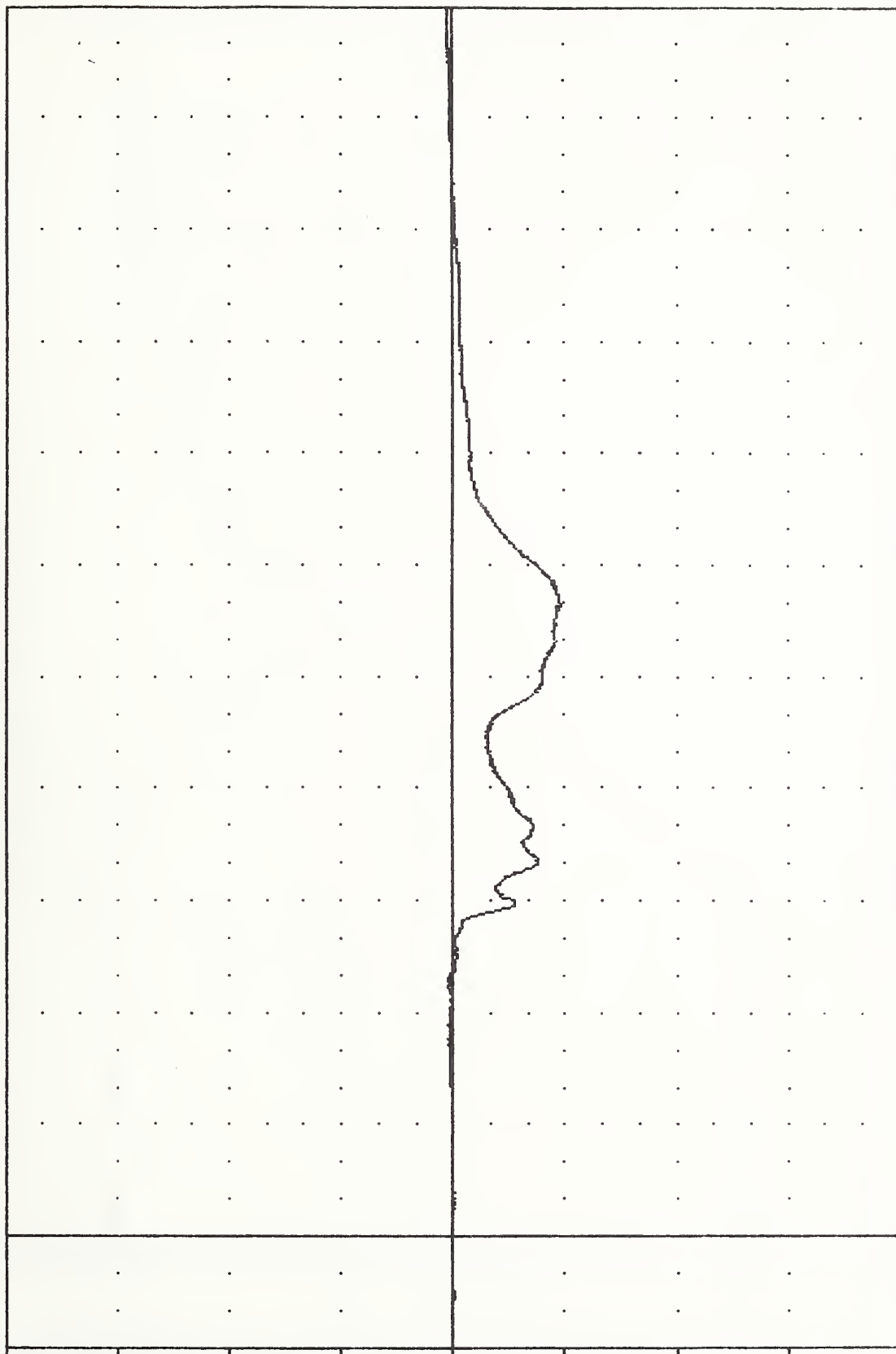
EVENT

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
HEDX61

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -48.43 112.88 , 2.66 216.38

ACCELERATION (G)



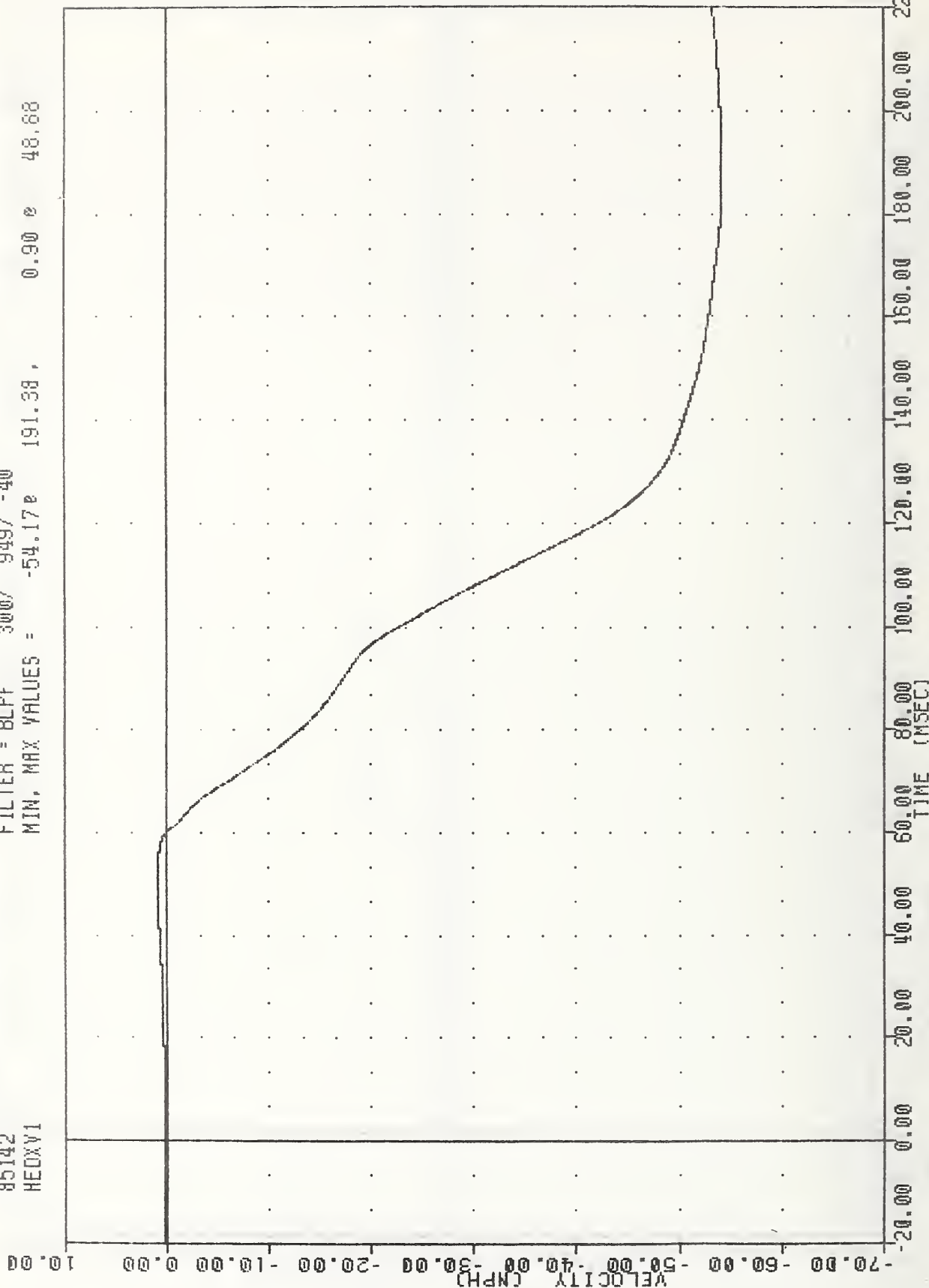
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
HEOXY1

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -54.17e 191.38, 0.90 e 48.68



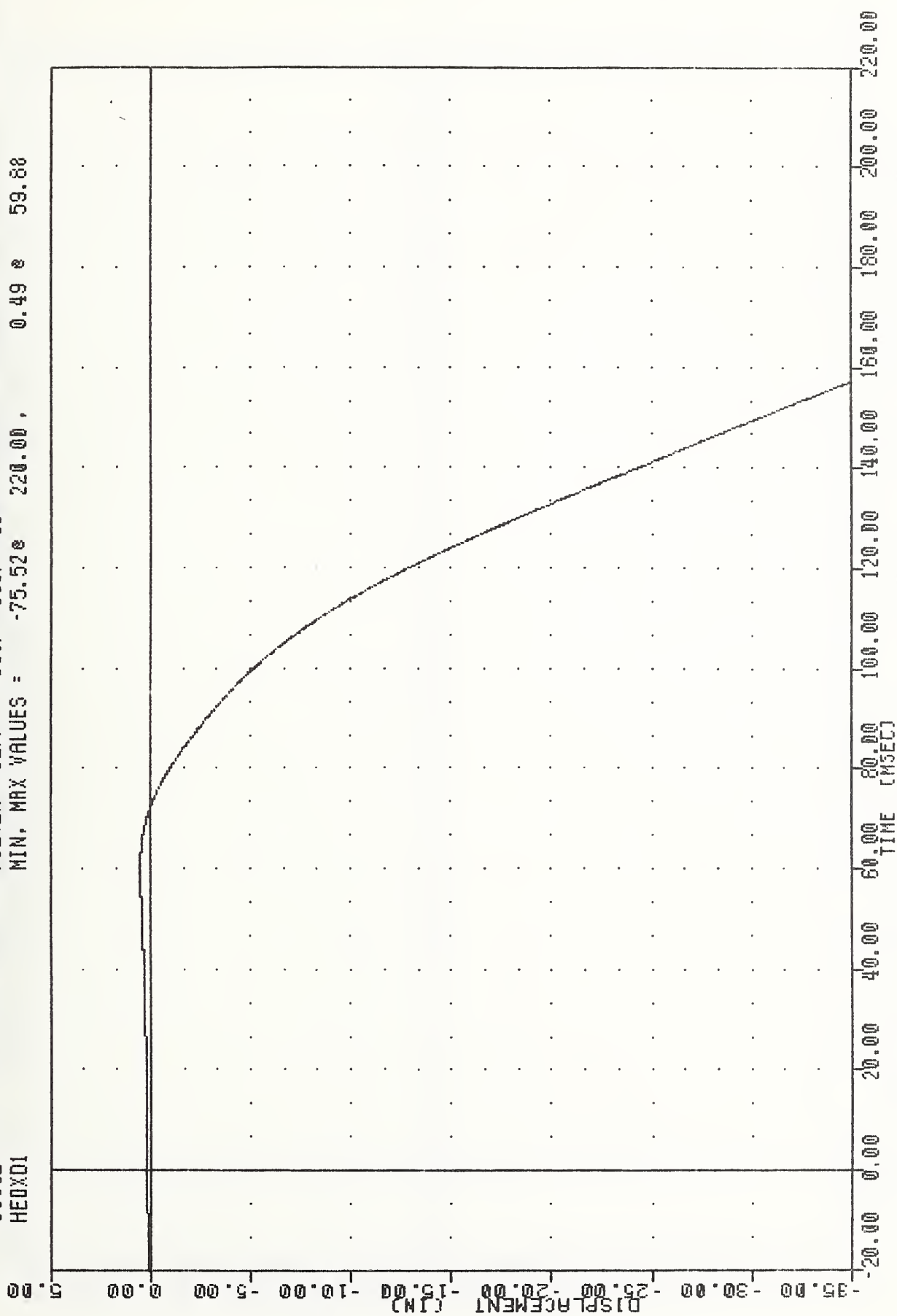
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEOXG1

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
HEDXD1

PLOT DATE 23-MAY-85 08:36:04

FILTER = 8LPF 300/ 949/ -40

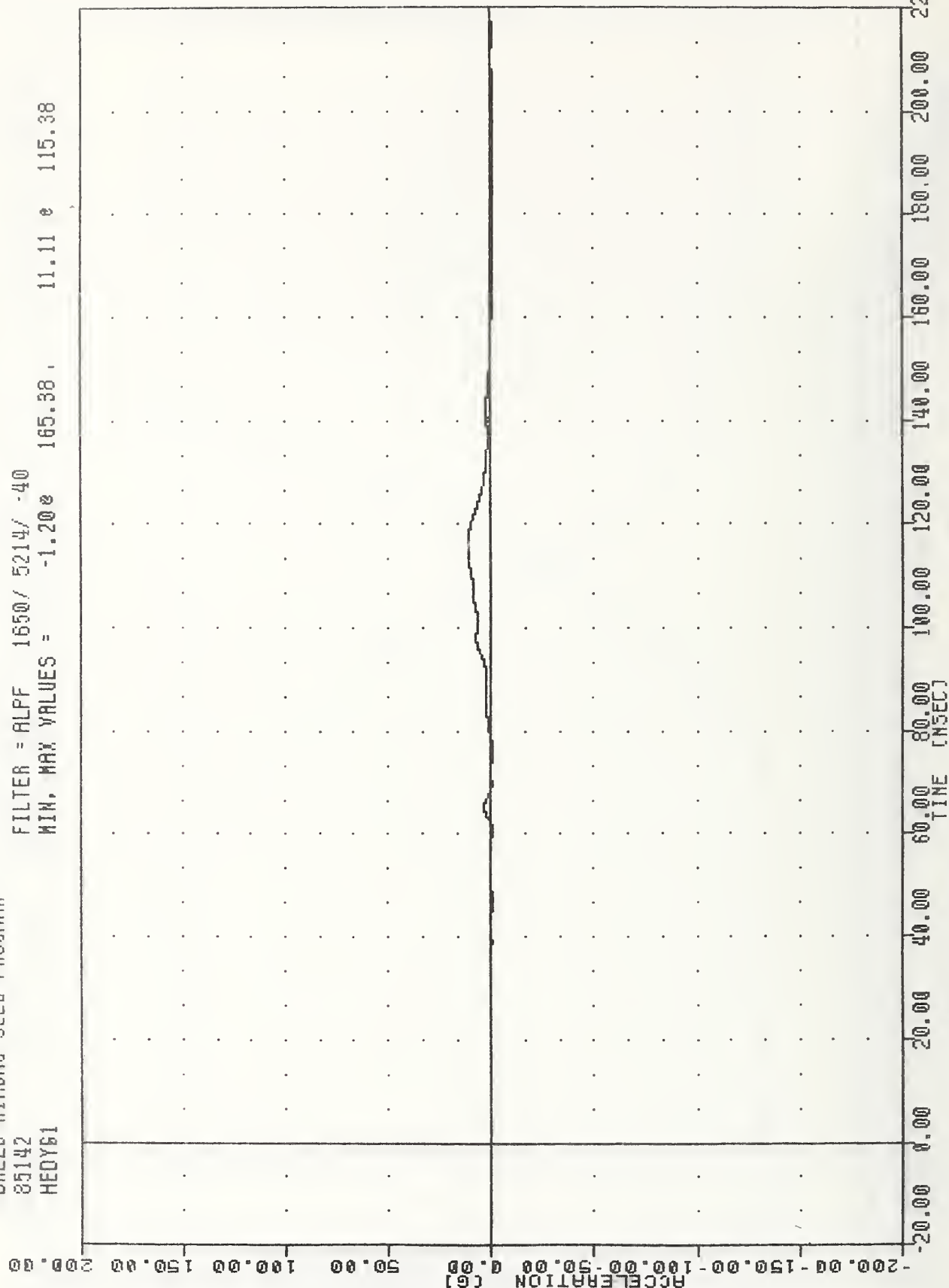
MIN. MAX VALUES = -75.52e 220.00, 0.49 e 59.88



365

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA X USING HEDXV1

VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 HEDY61
 FILTER = ALPF 1650/ 5214/ -40
 MIN. MAX VALUES = -1.20e 165.38 , 11.11 e 115.38
 PLOT DATE 23-MAY-85 08:34:13

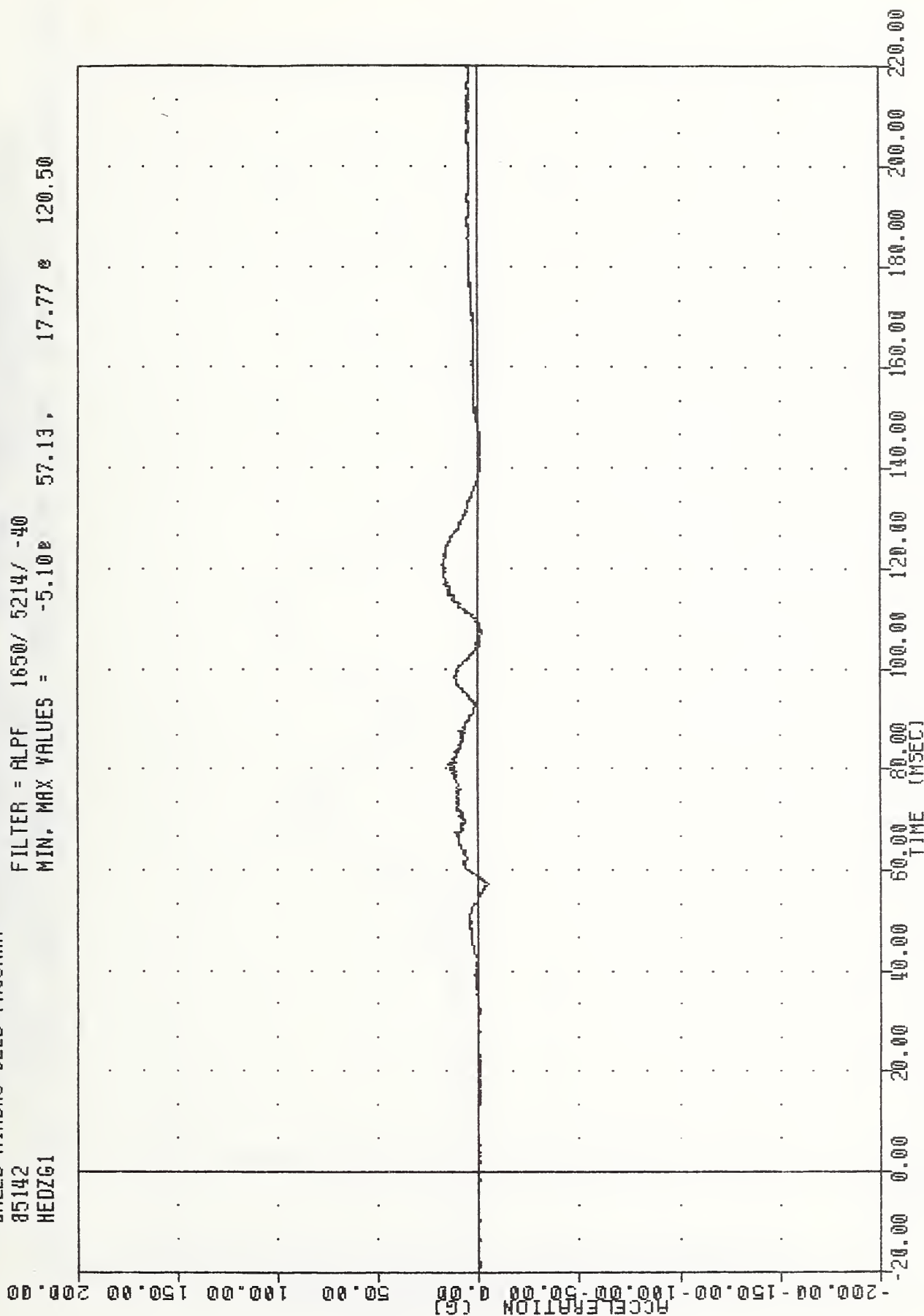


VRTC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
HEDZG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -5.10e 57.13 , 17.77 e 120.50



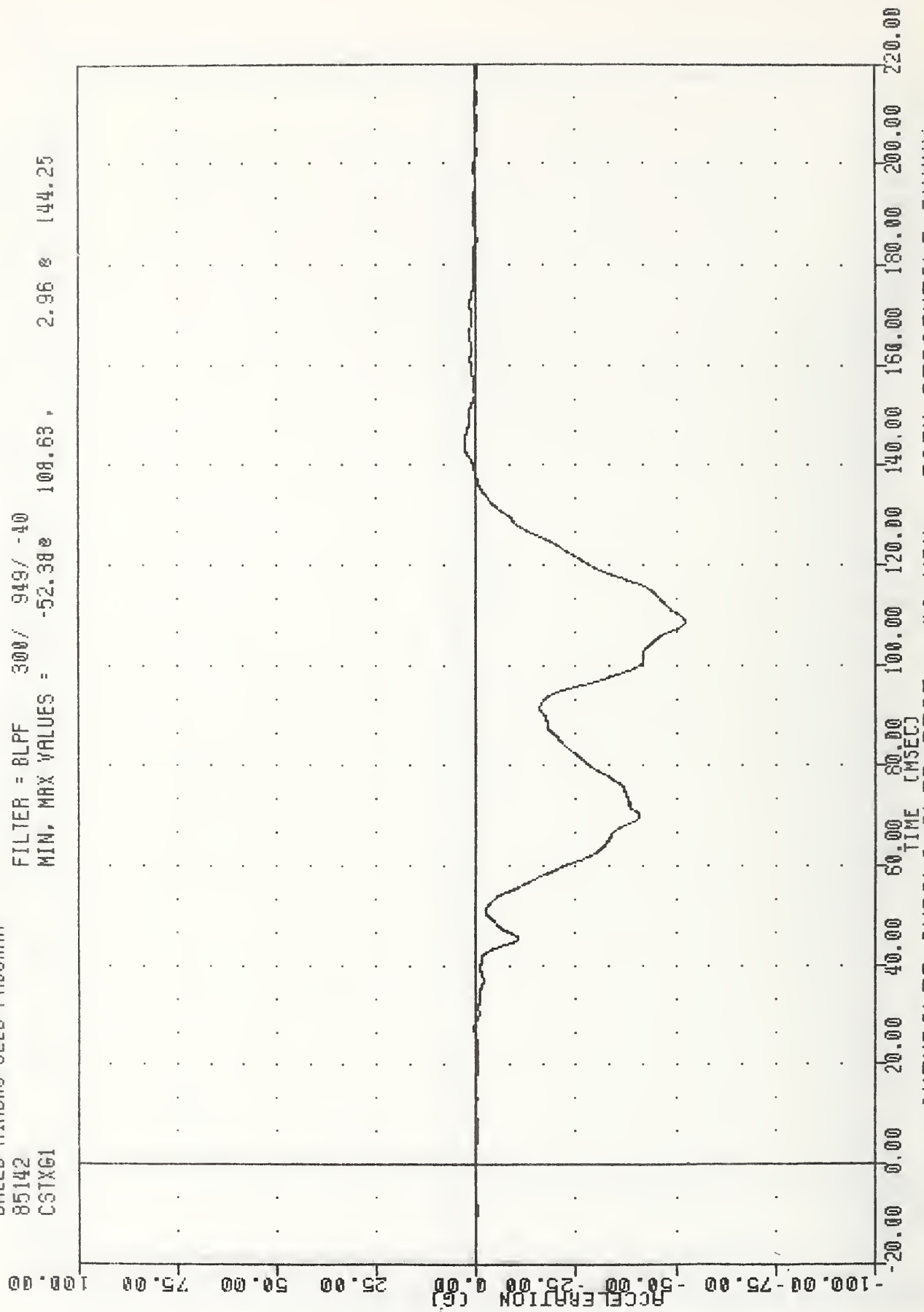
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 CSIXG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -52.38 108.63, 2.96 144.25



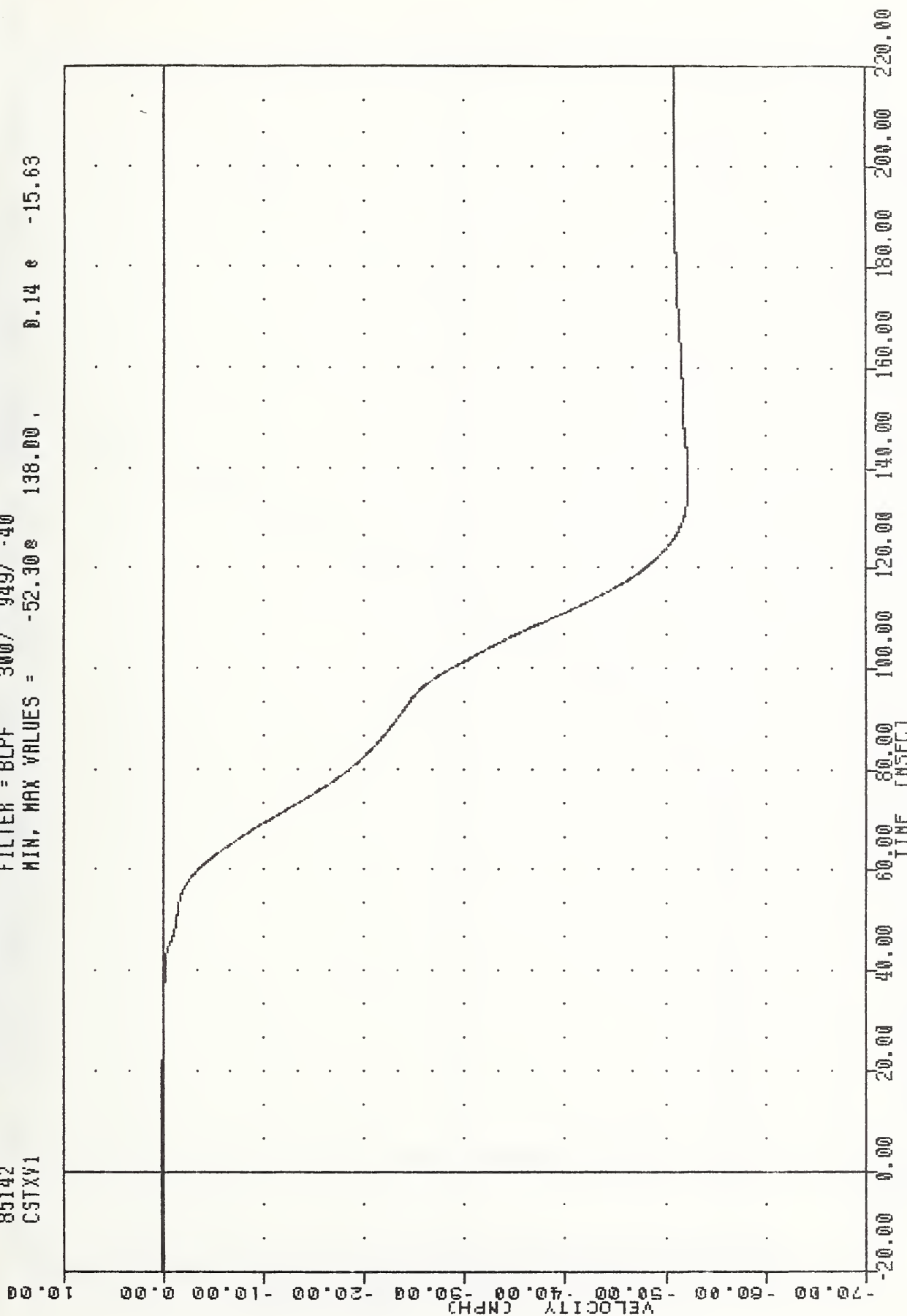
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

VATC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 CSTXV1

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -52.308 138.00 , 0.14 e -15.63



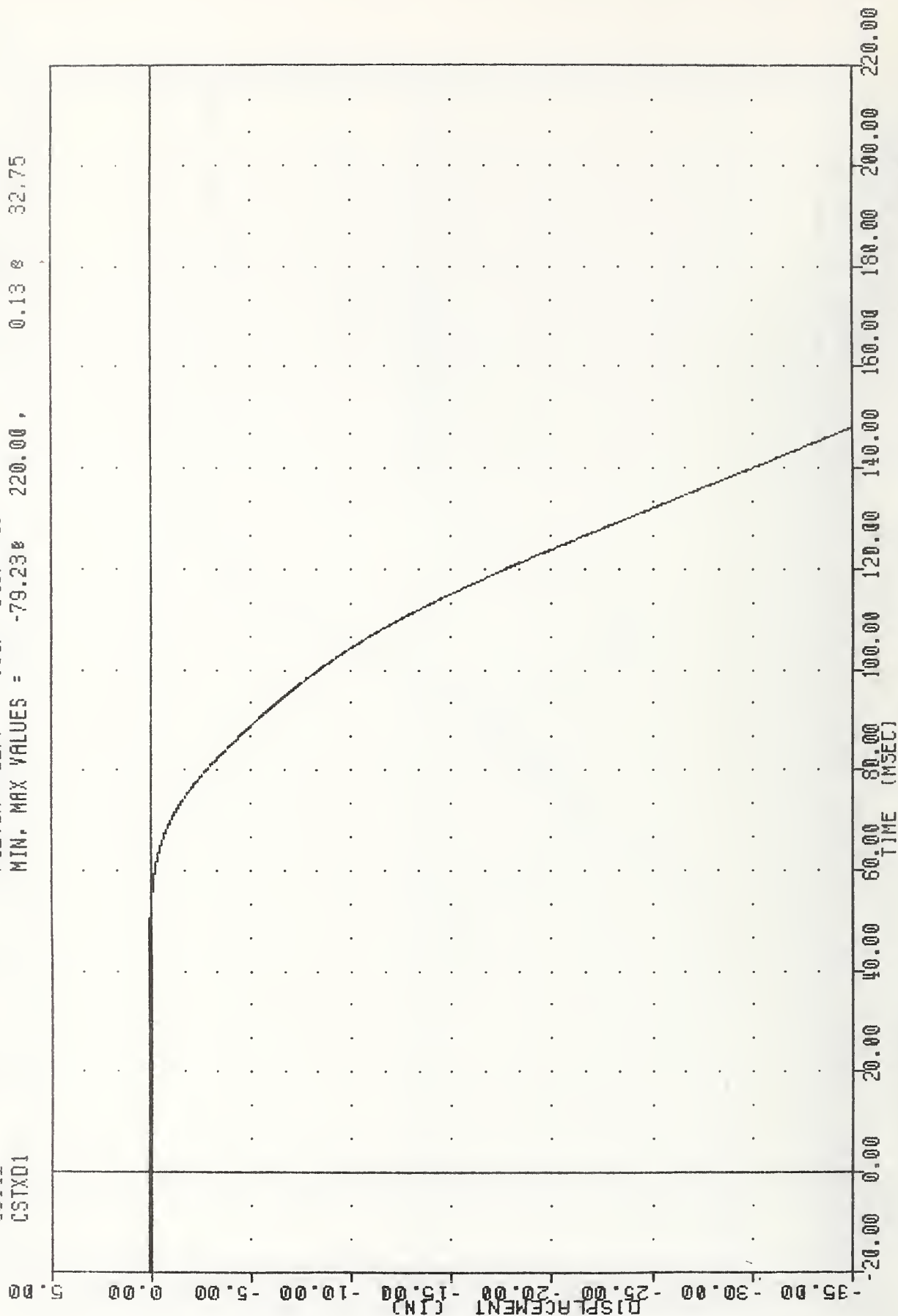
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING CSTXG1

VRIC , R0384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 CSTXD1

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -79.23 220.00 , 0.13 32.75



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

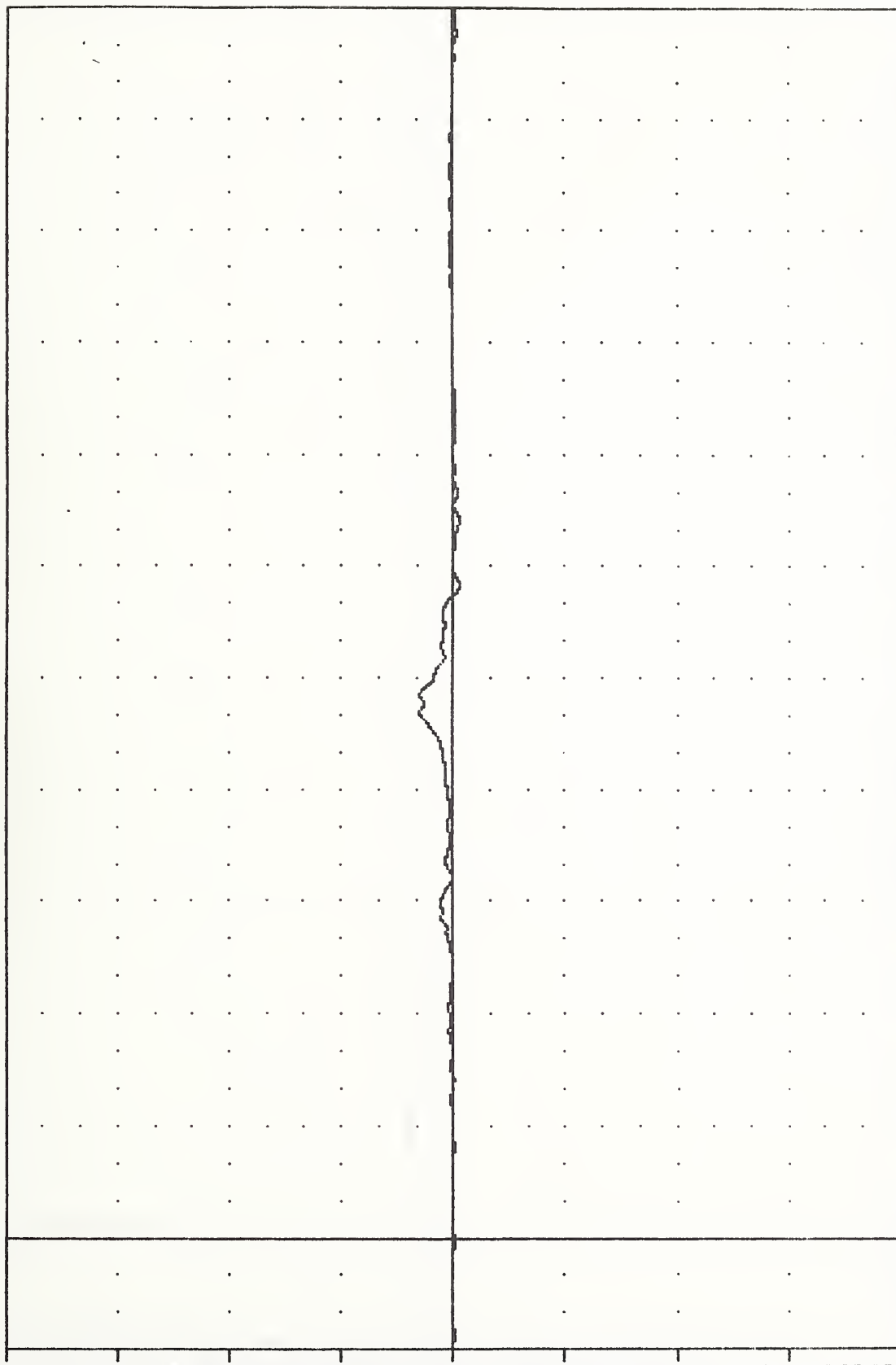
VATC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 CSTY61

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -1.54e 116.50 , 7.54 e 93.75

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

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 CSTZG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -1.03e 51.63, 6.99 e 111.88

100.00

75.00

50.00

25.00

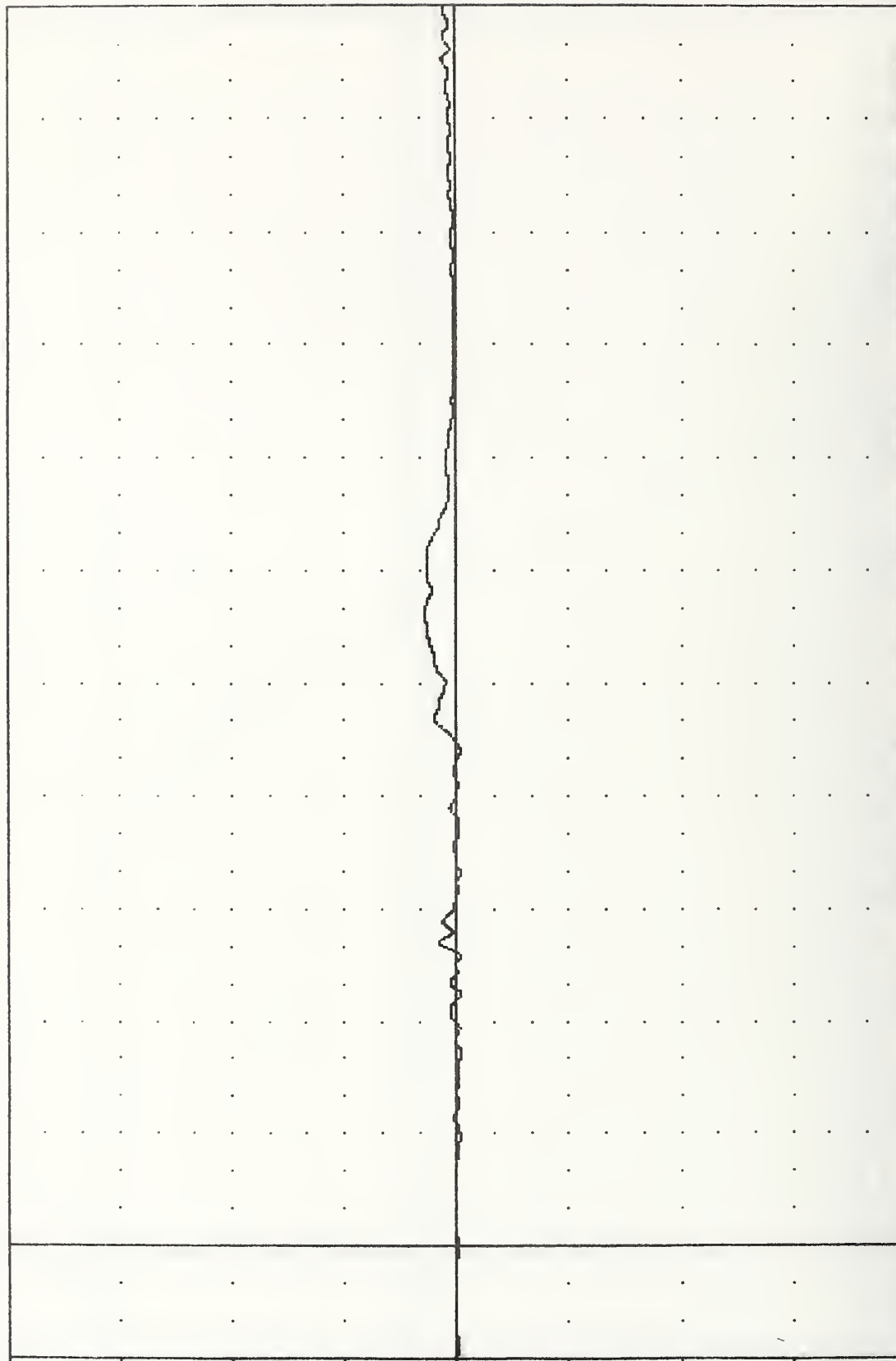
ACCELERATION (G)

-25.00

-50.00

-75.00

-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)

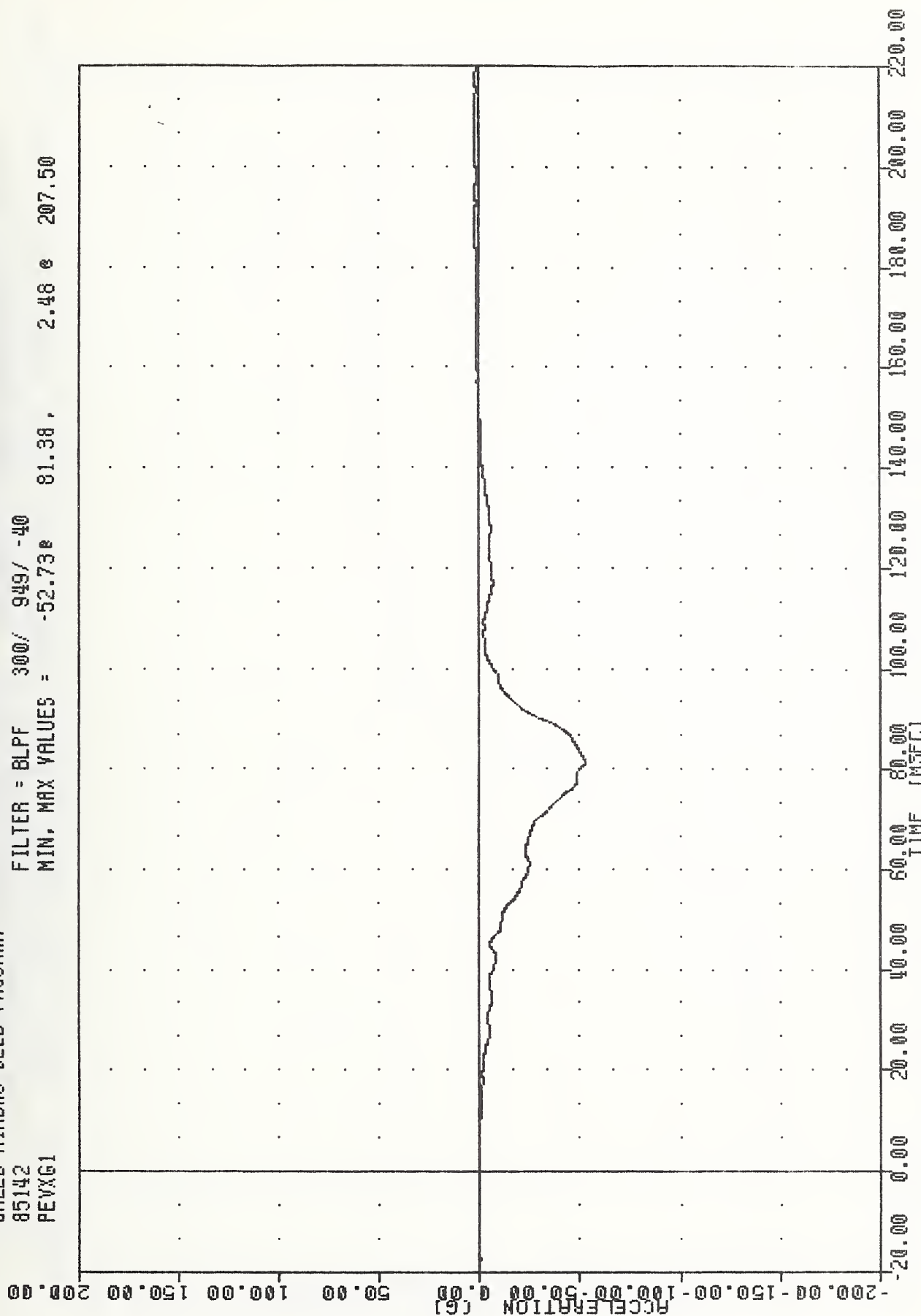
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
PEVXG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -52.73e 81.38, 2.48 e 207.50

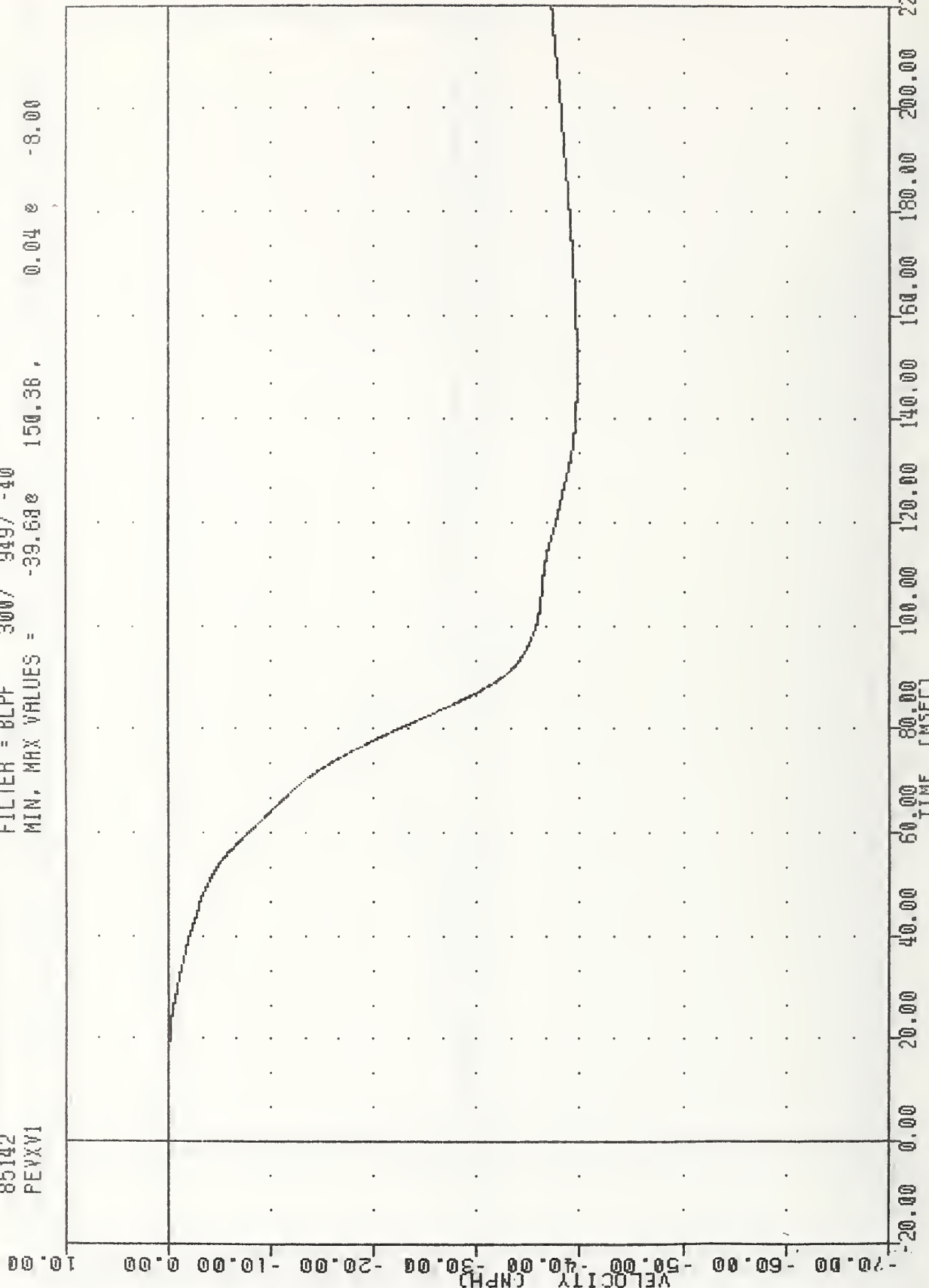


VRIC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
PEVXV1

PLOT DATE 23-MAY-85 08:35:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -39.680 150.36 , 0.04 e -8.00

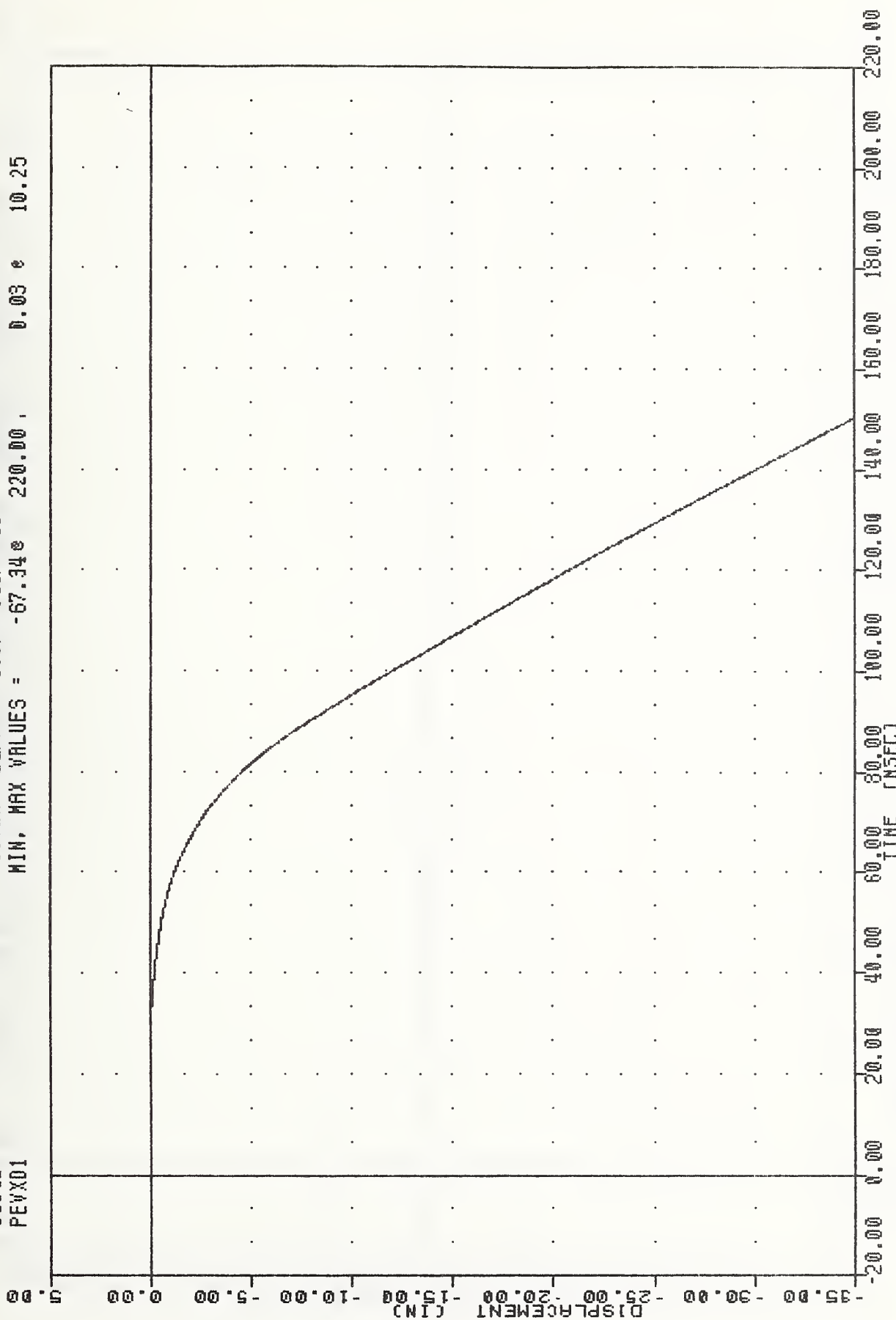


VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 PEVX01

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -67.34e 220.00 , 0.03 e 10.25



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

DELTA X USING PEVX01

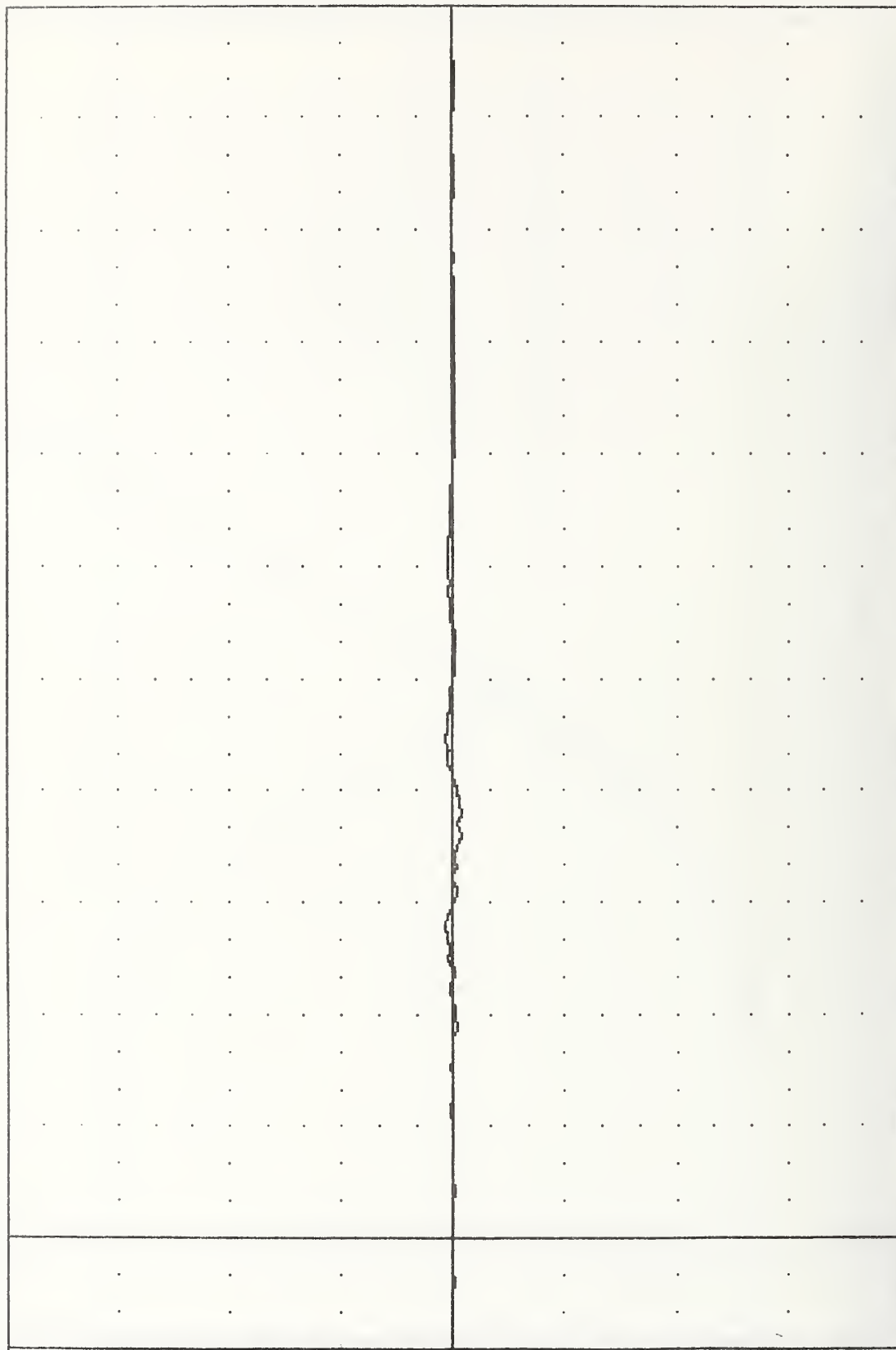
VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
PEVY61

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.95e 76.13 , 3.44 e 89.13

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

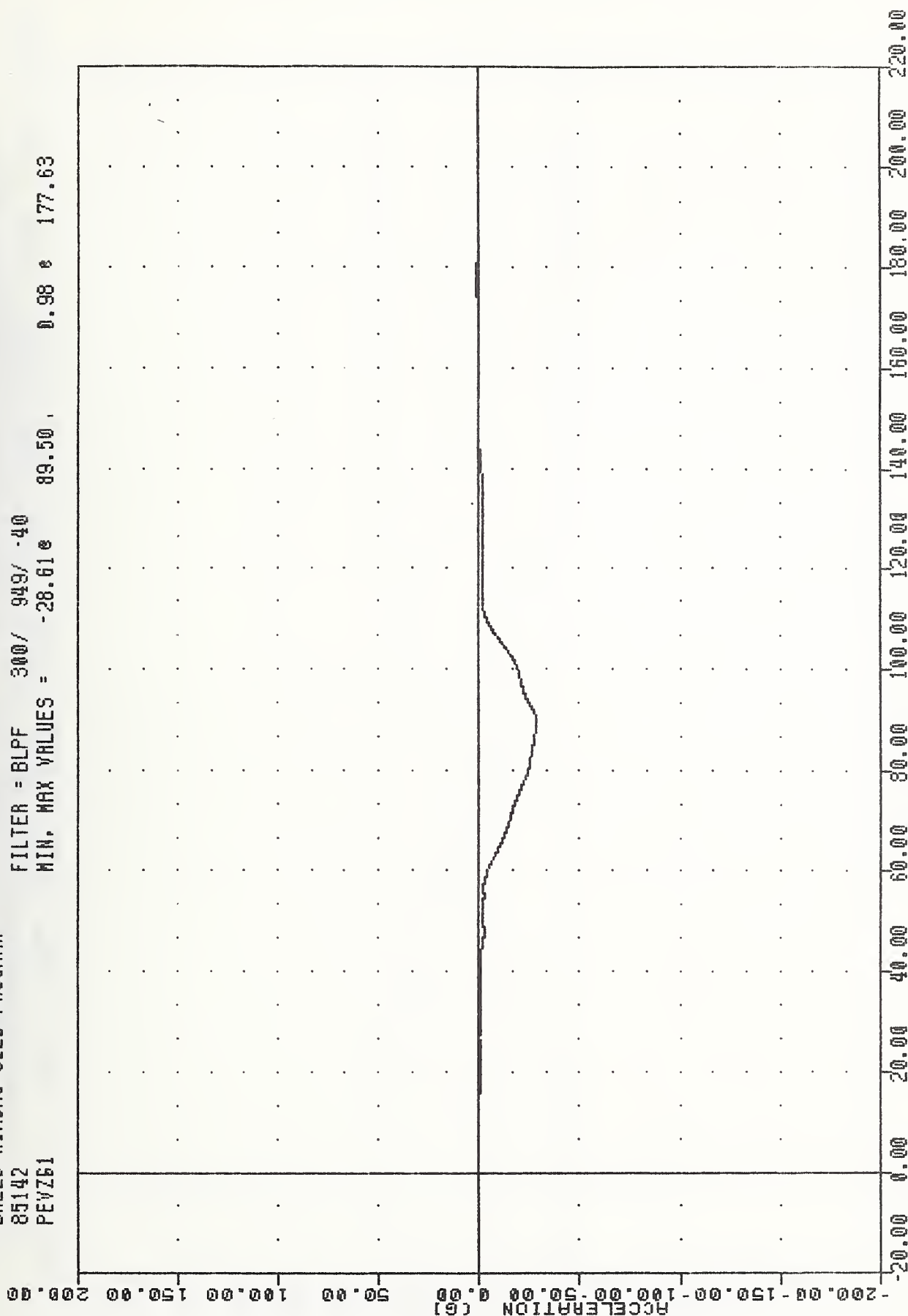
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 PEVZ61

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -28.61e 89.50 , 0.98 e 177.63

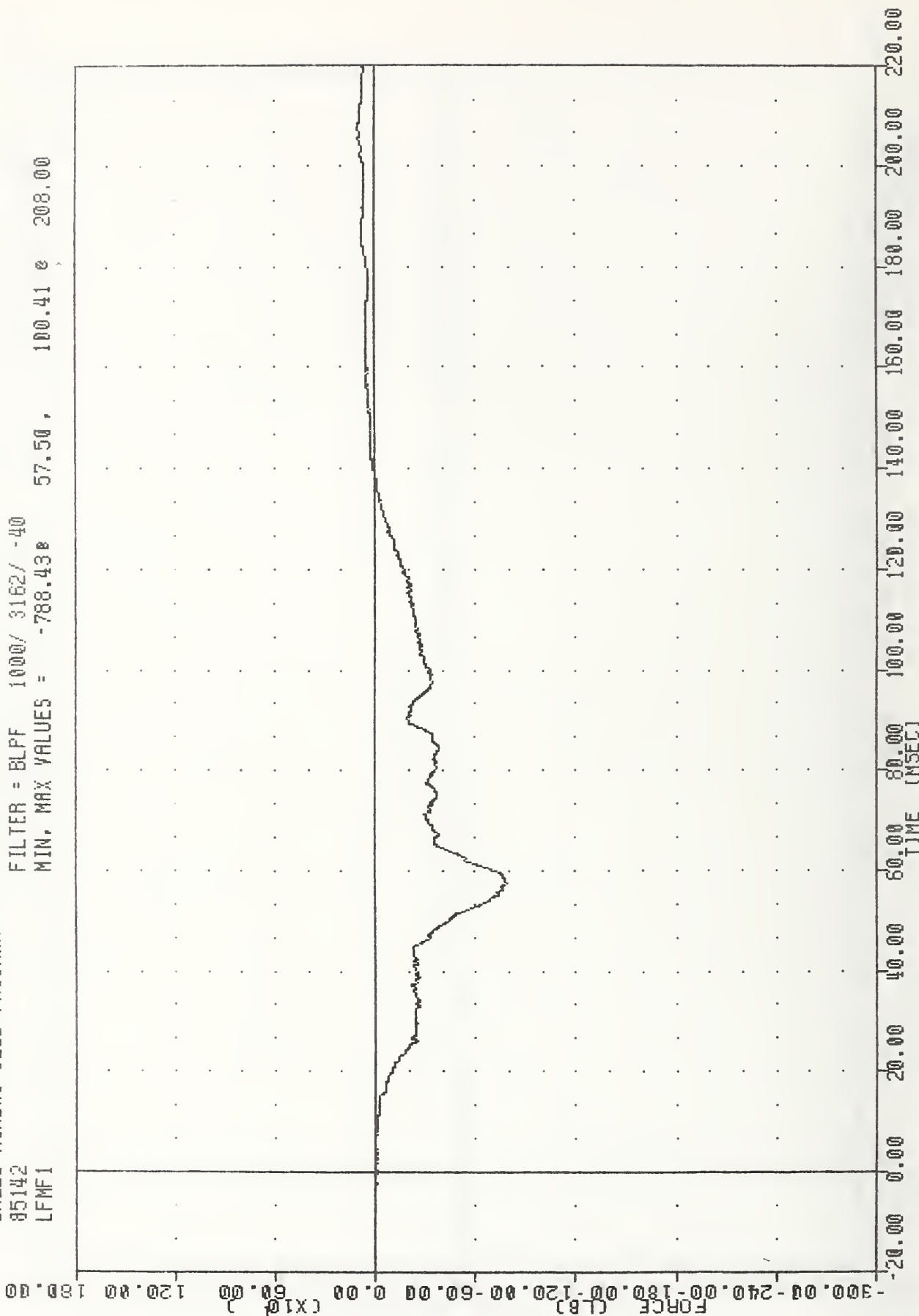


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
LFMF1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -788.438 57.50, 100.41 & 208.00



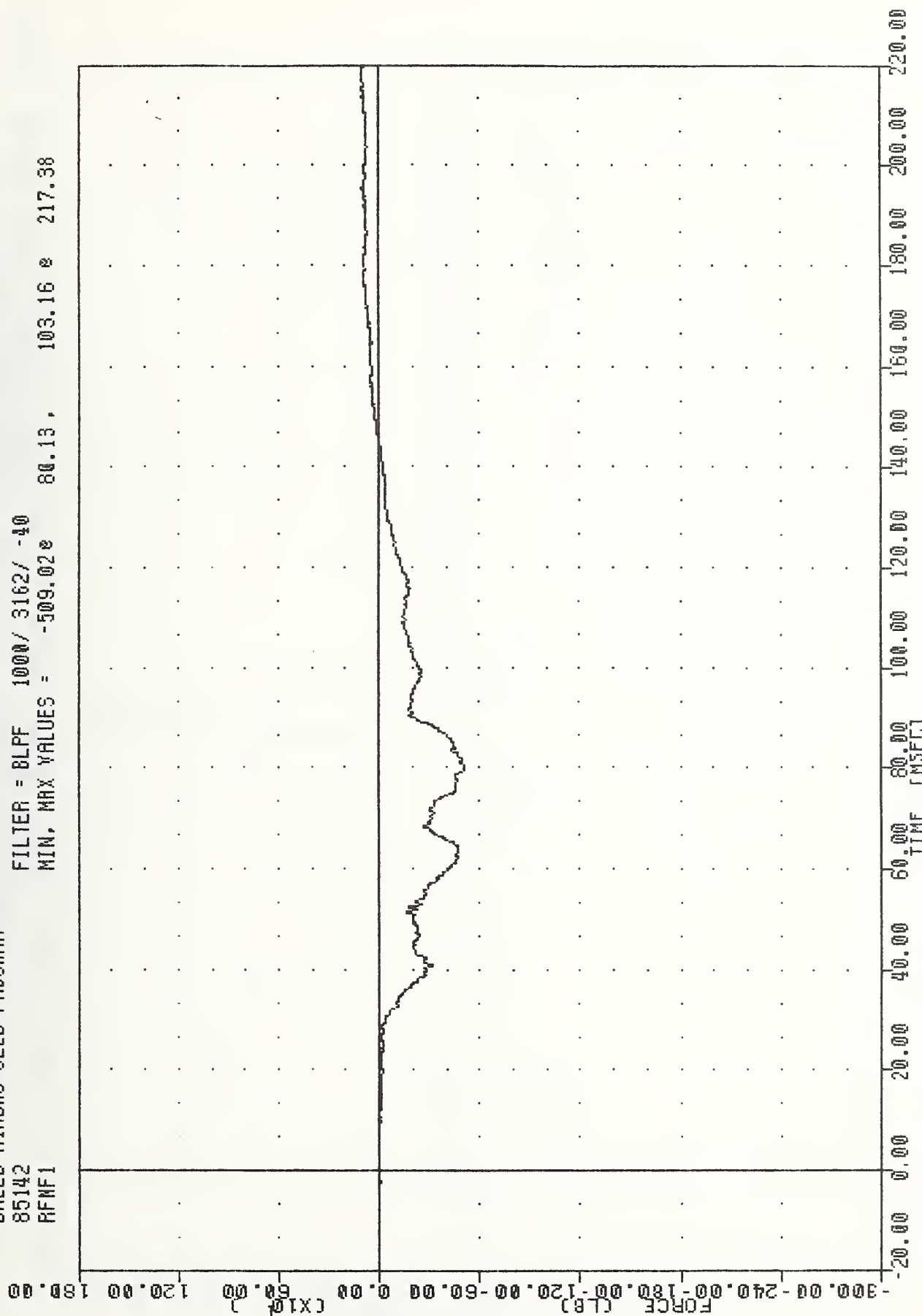
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

VRTC
BREED AIRBAG SLED PROGRAM
85142
RFNF1

PLOT DATE 23-MAY-85 08:34:13

FILTER = 8LPF 1000/ 3162/ -40

MIN, MAX VALUES = -509.02 80.13, 103.16 217.38



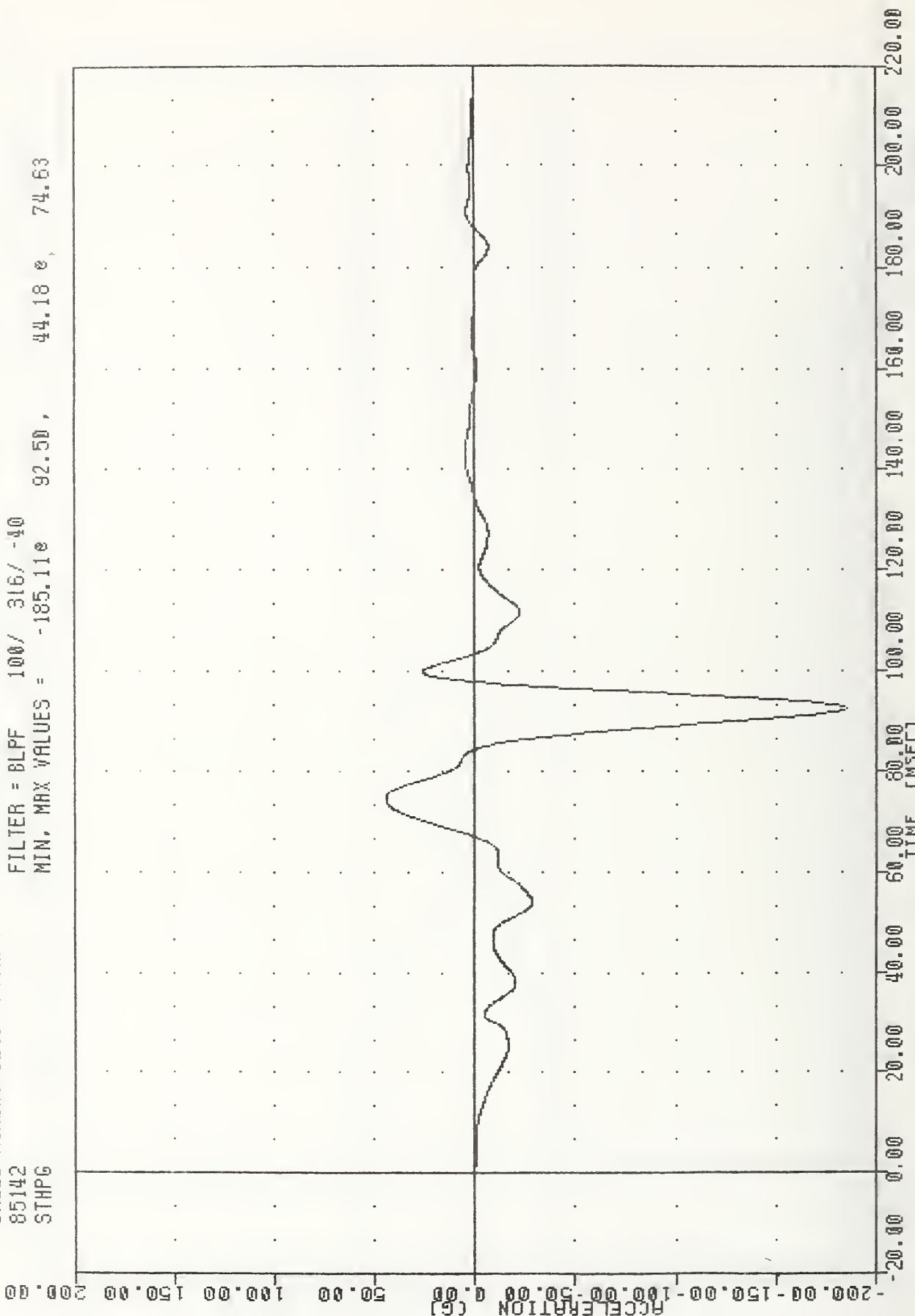
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , FD384-4-37
BREED AIRBAG SLED PROGRAM
85142
STHPC

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -185.11e 92.50, 44.18 e, 74.63



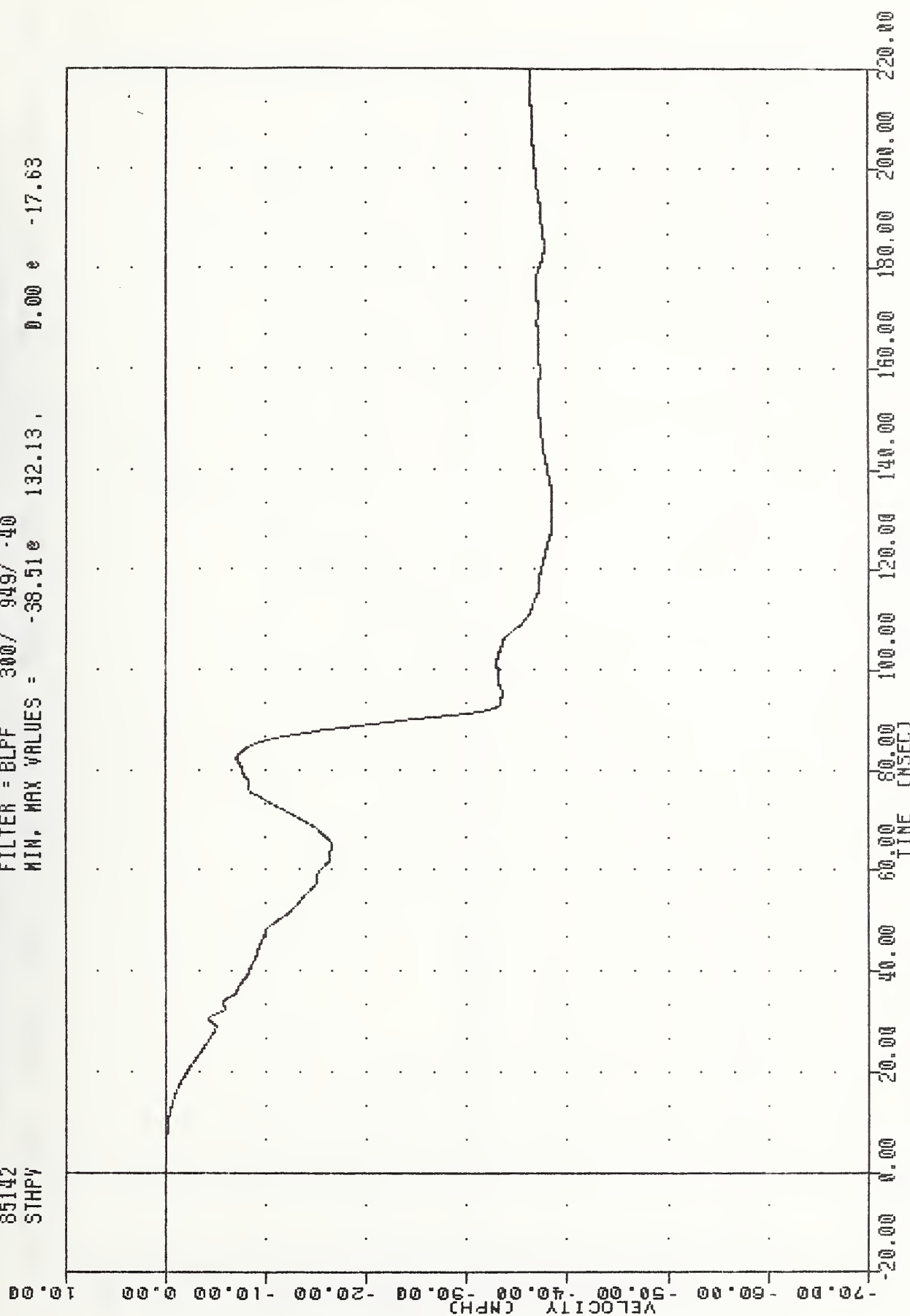
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

WRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
STHPV

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -38.51e 132.13 , 0.00 e -17.63



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

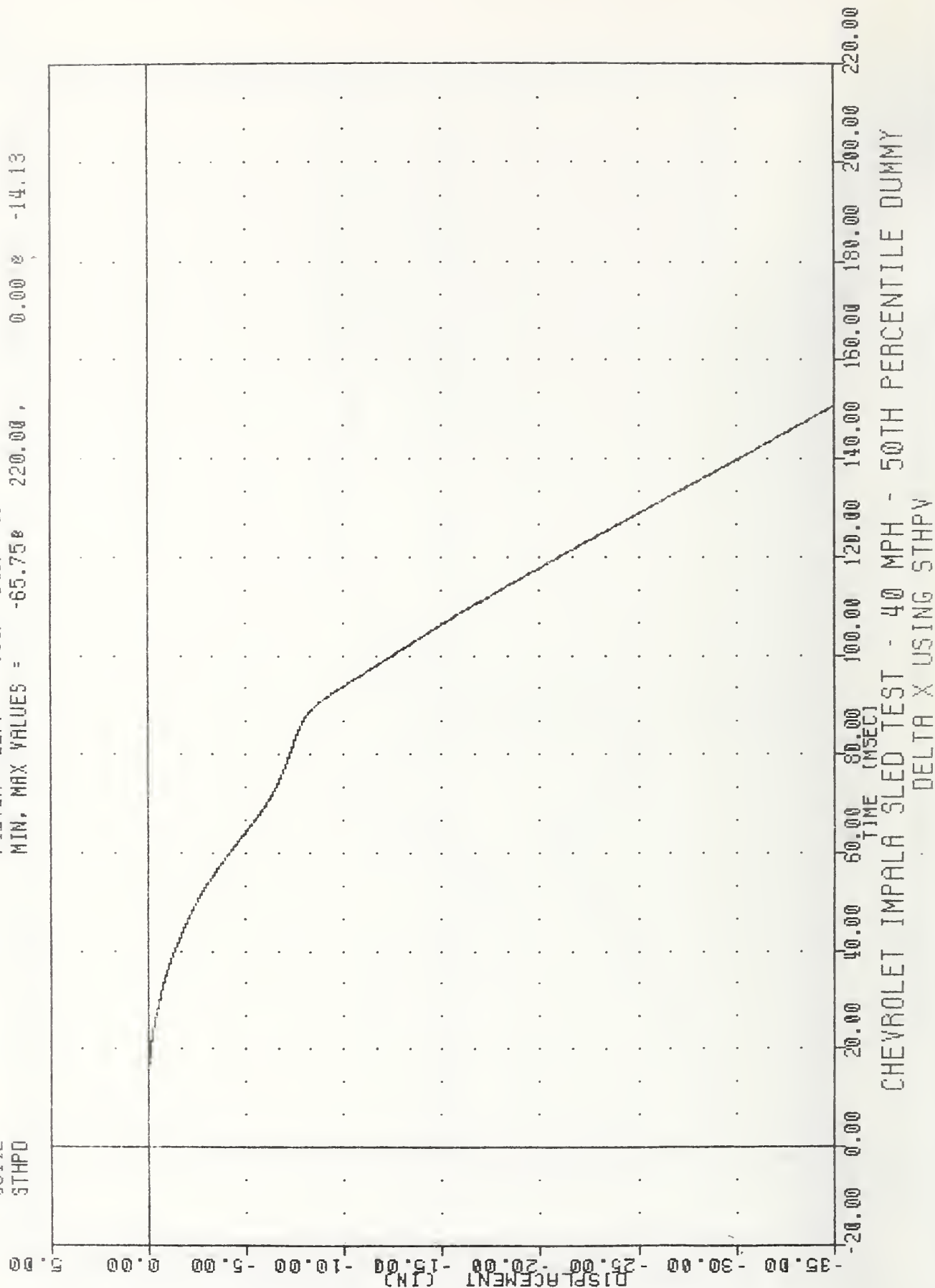
DELTA V USING STHPG

VRTC , 80384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 STHPD

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -65.758 220.00 , 0.00 2 -14.13

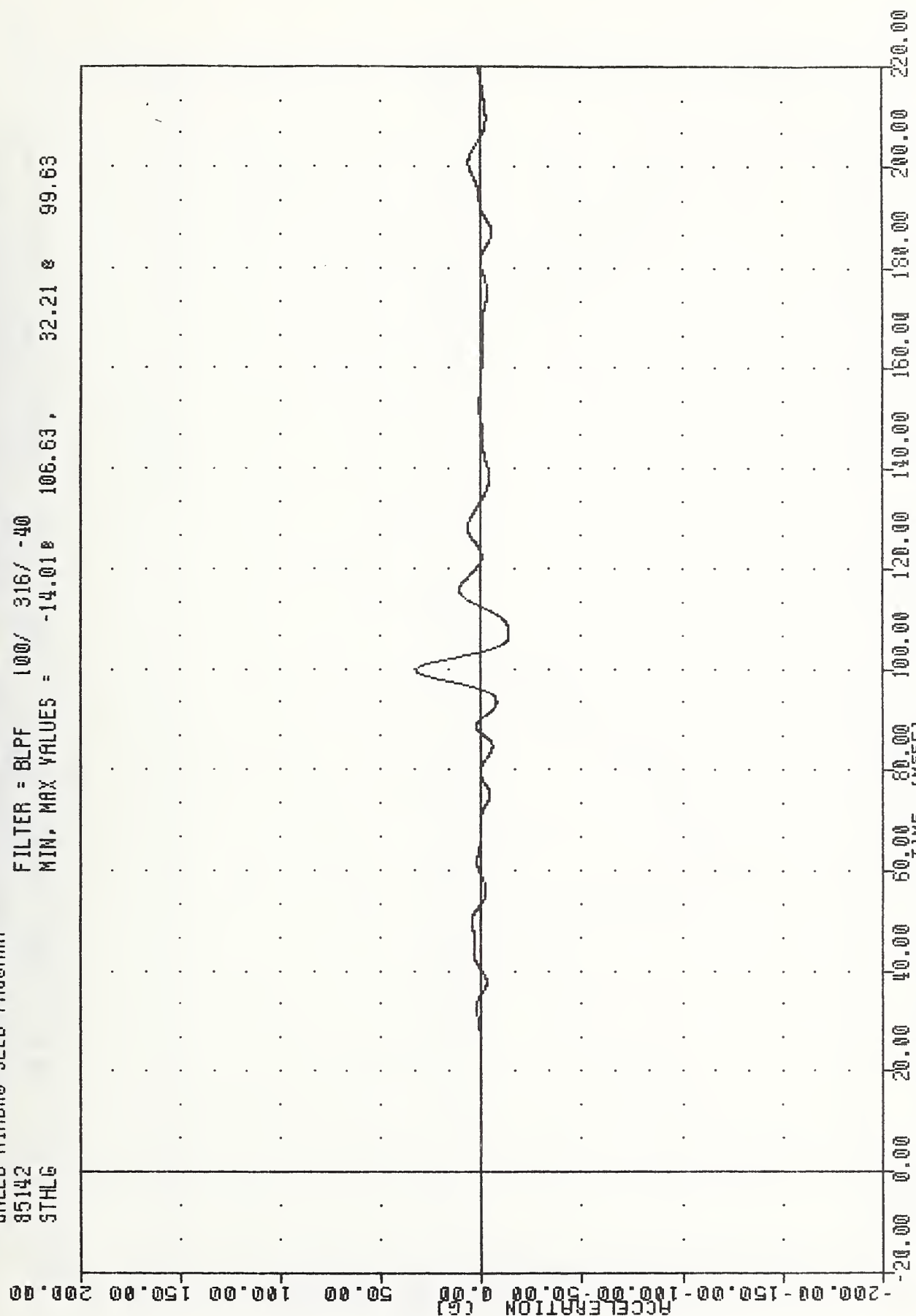


VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 STHLG

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -14.01g 106.63, 32.21g 99.63



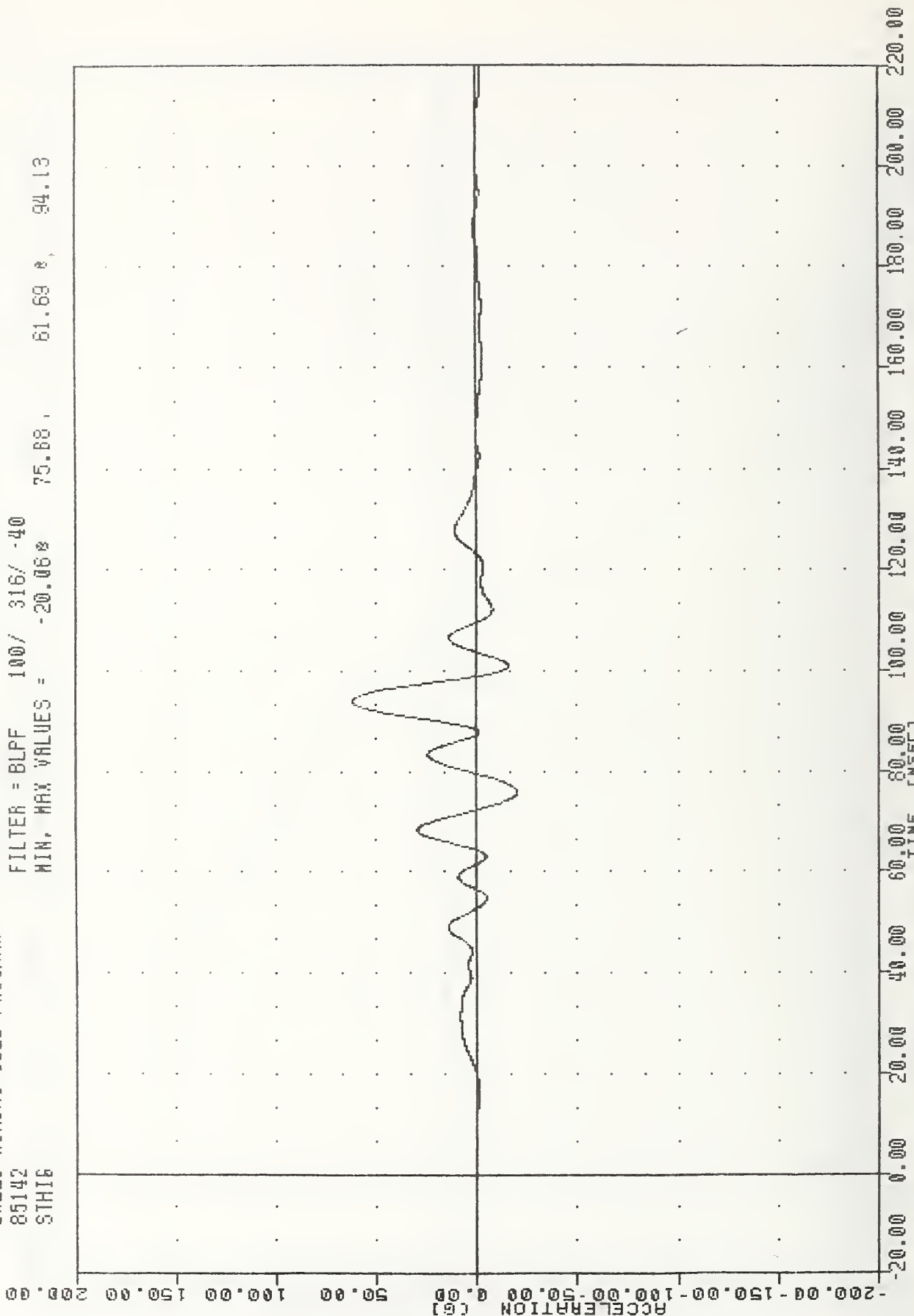
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION M-L AXIS

WATC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
STH16

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -20.068 75.88 , 61.69 s, 94.13



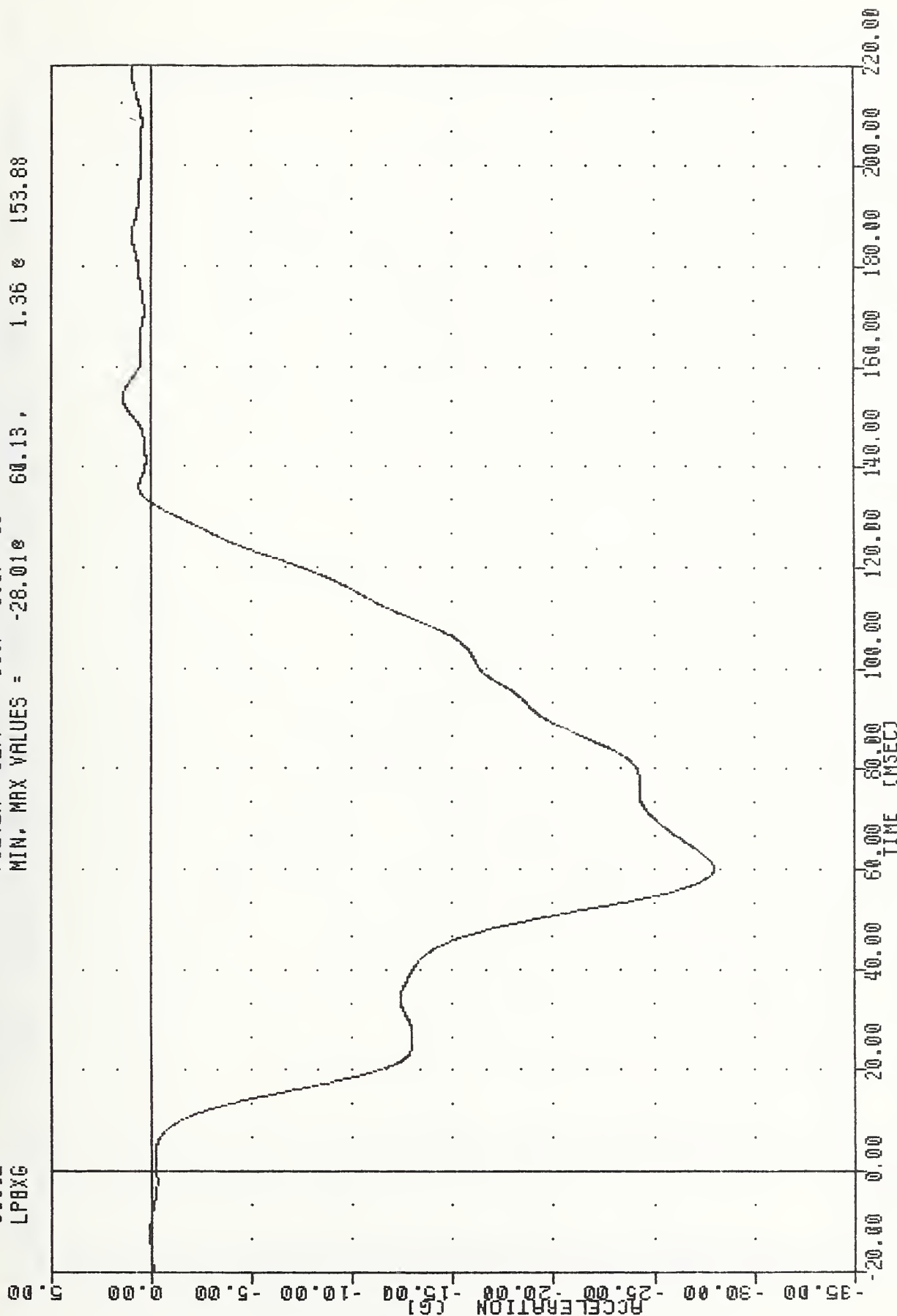
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC , RD384-4-37
BRAED AIRBAG SLED PROGRAM
85142
LPBXG

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -28.01e 60.13, 1.36 e 153.88



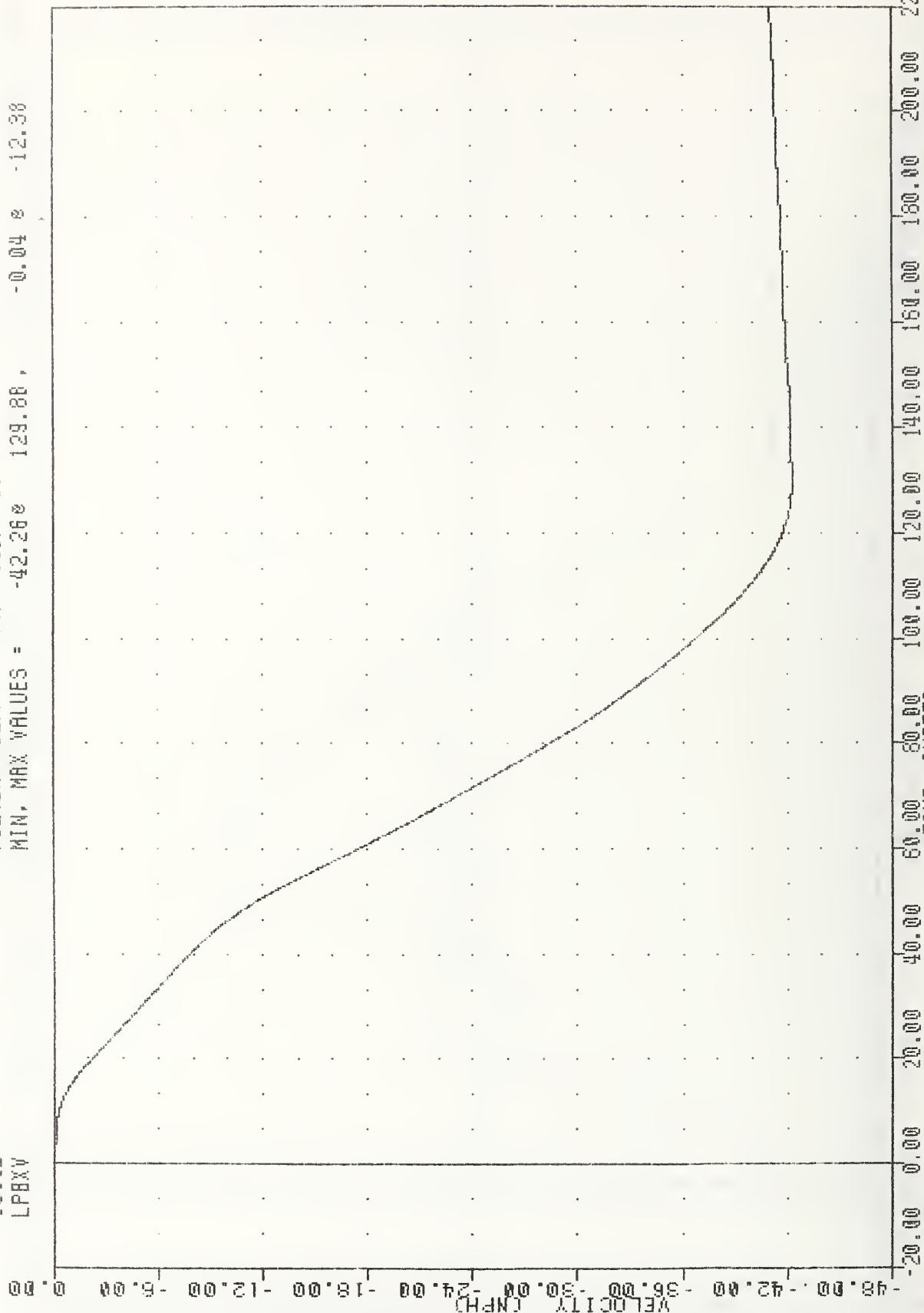
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
LPBXV

PLOT DATE 11-JUN-85 11:19:38

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -42.26 129.88, -0.04 0 -12.38



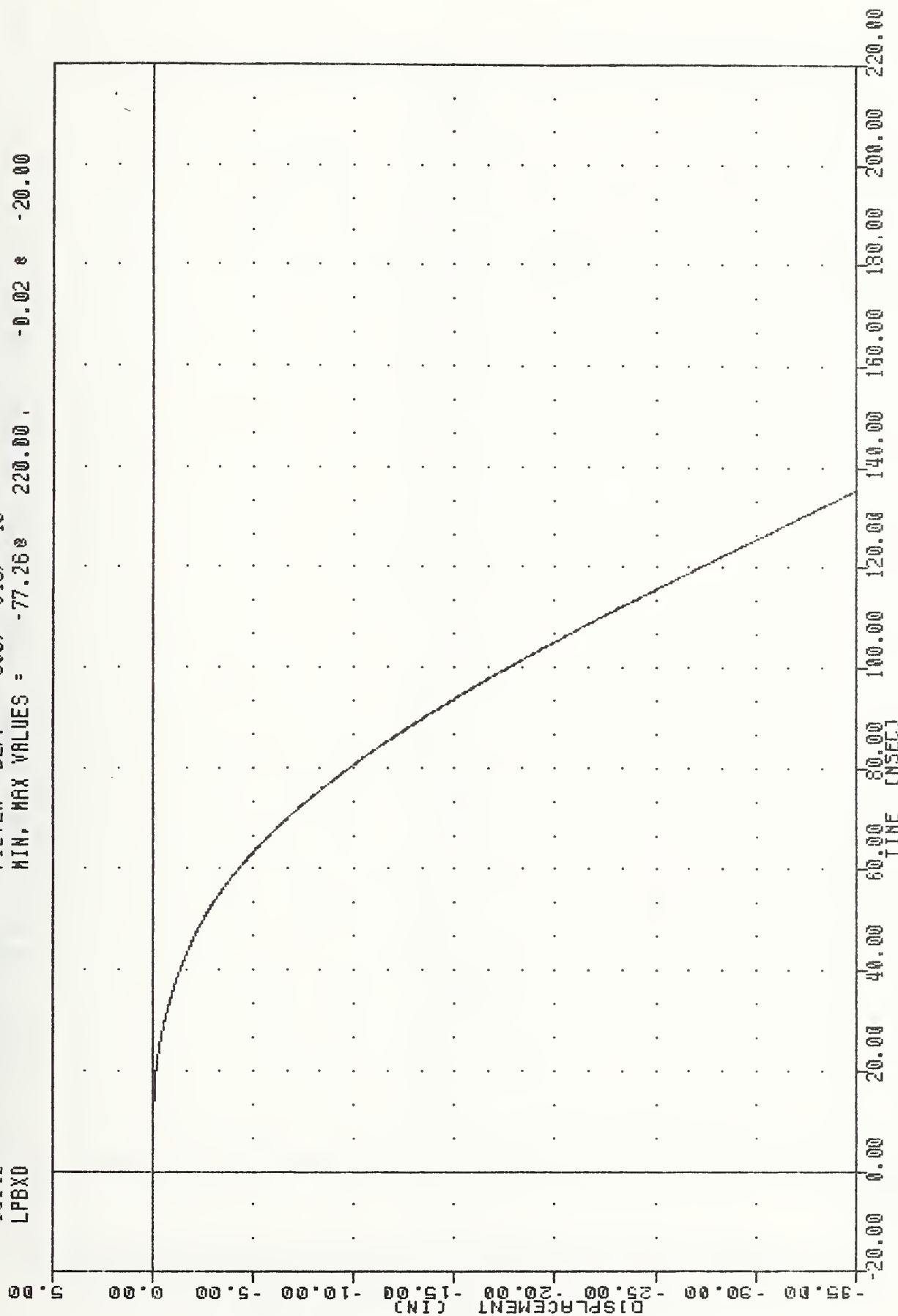
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRTC RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 LPBXD

PLOT DATE 23-MAY-85 08:36:04

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -77.26° 220.00, -0.02° -20.00



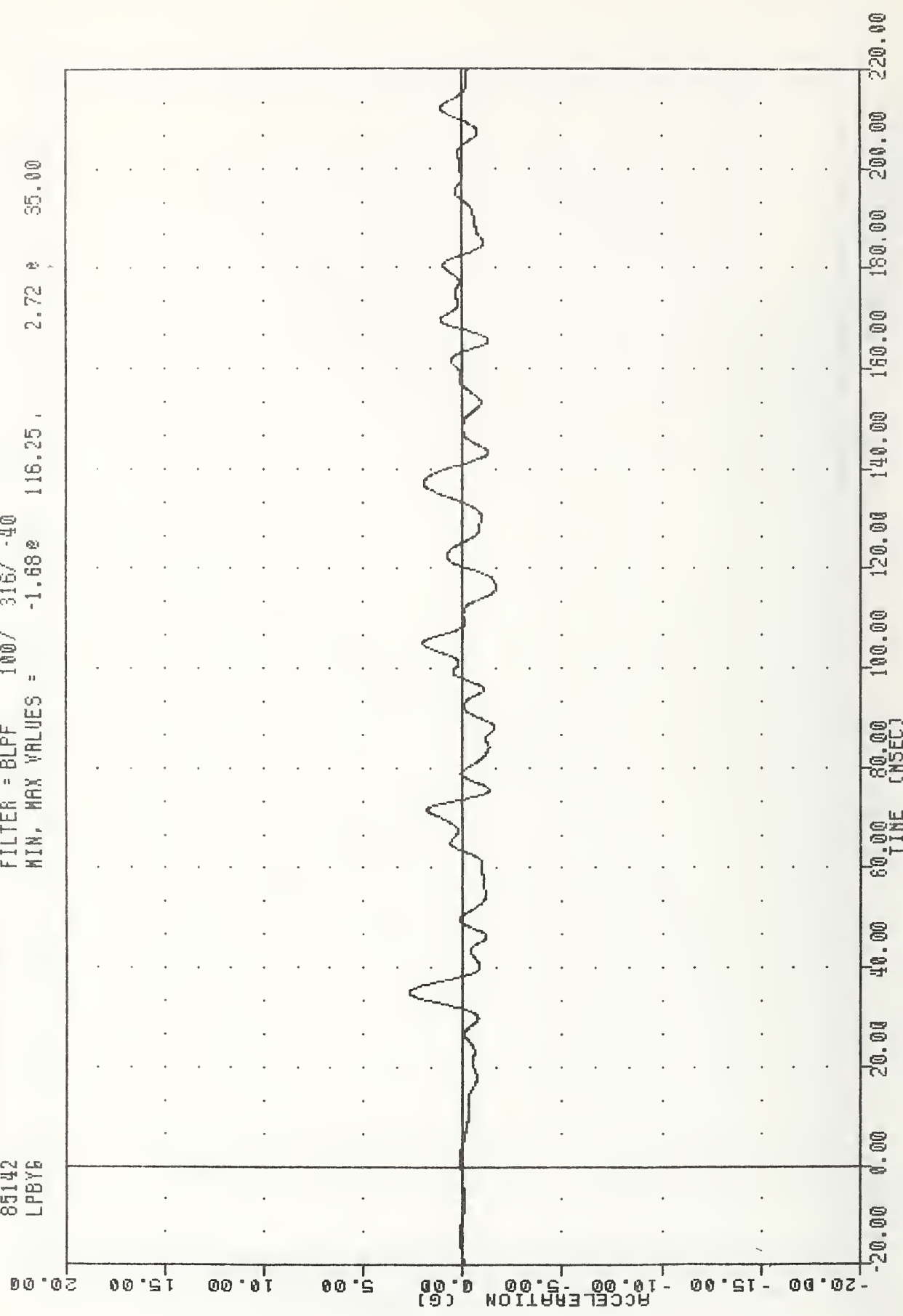
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING LPBXV

WATC RD384-4-37
BRAED AIRBAG SLED PROGRAM
85142
LPBYE

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.68 116.25 2.72 35.00



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

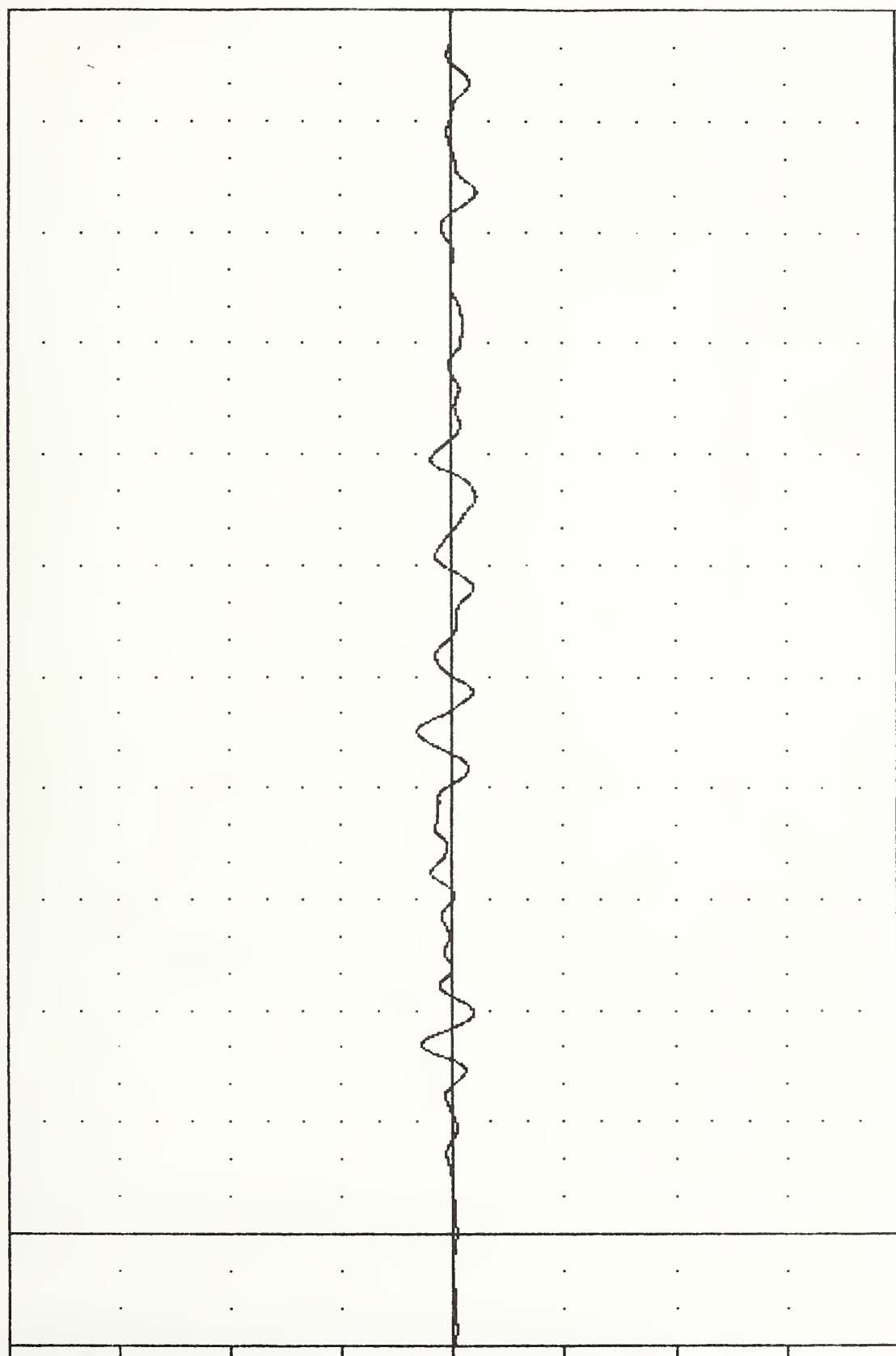
NRIC
BREED AIRBAG SLED PROGRAM
85142
LPBZG

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.10E 187.25, 1.58E 90.13

ACCELERATION (G)



20.00 15.00 10.00 5.00 0.00 -5.00 -10.00 -15.00 -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

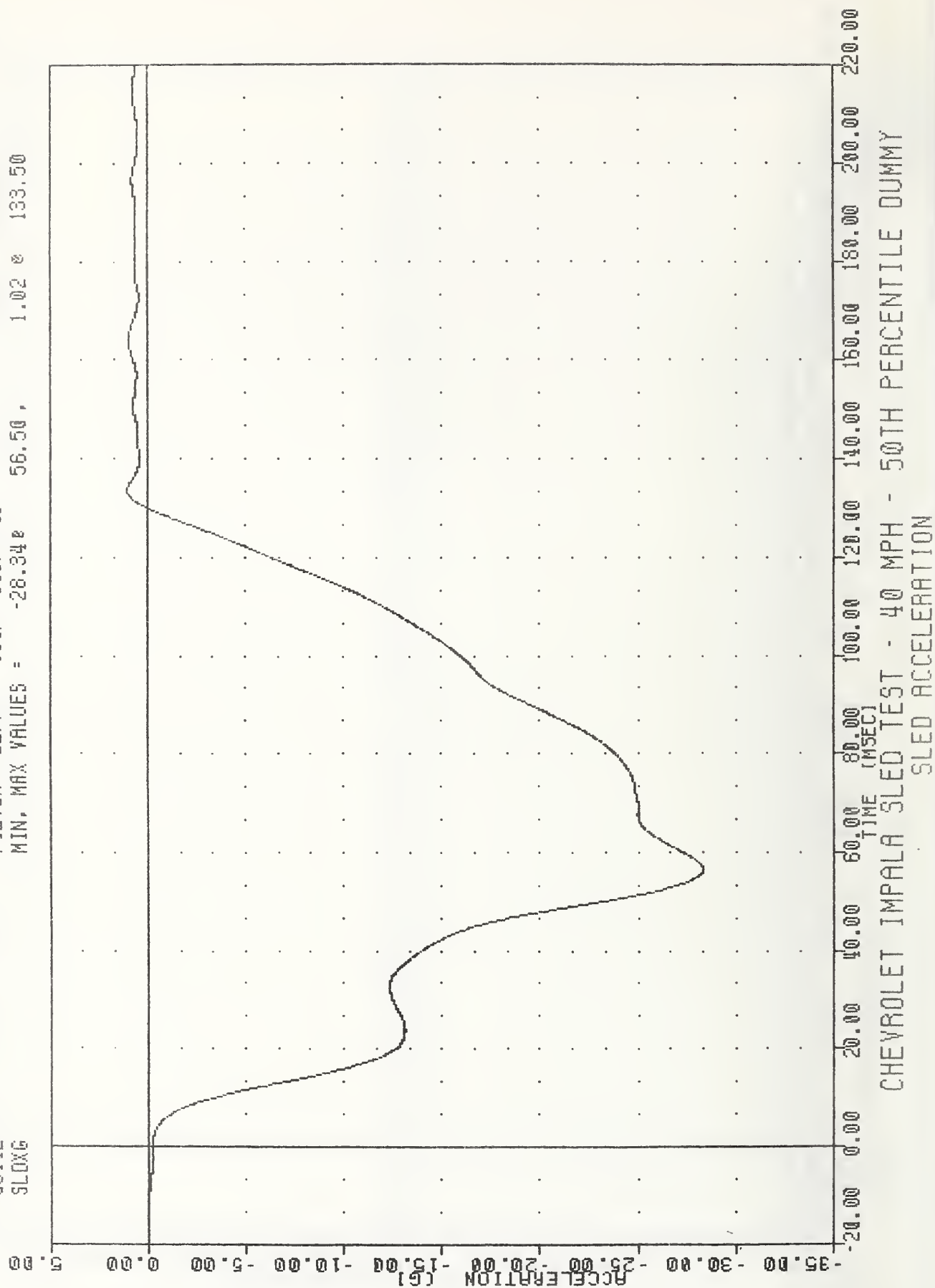
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
SLOXG

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -28.34e 56.50, 1.02 e 133.50



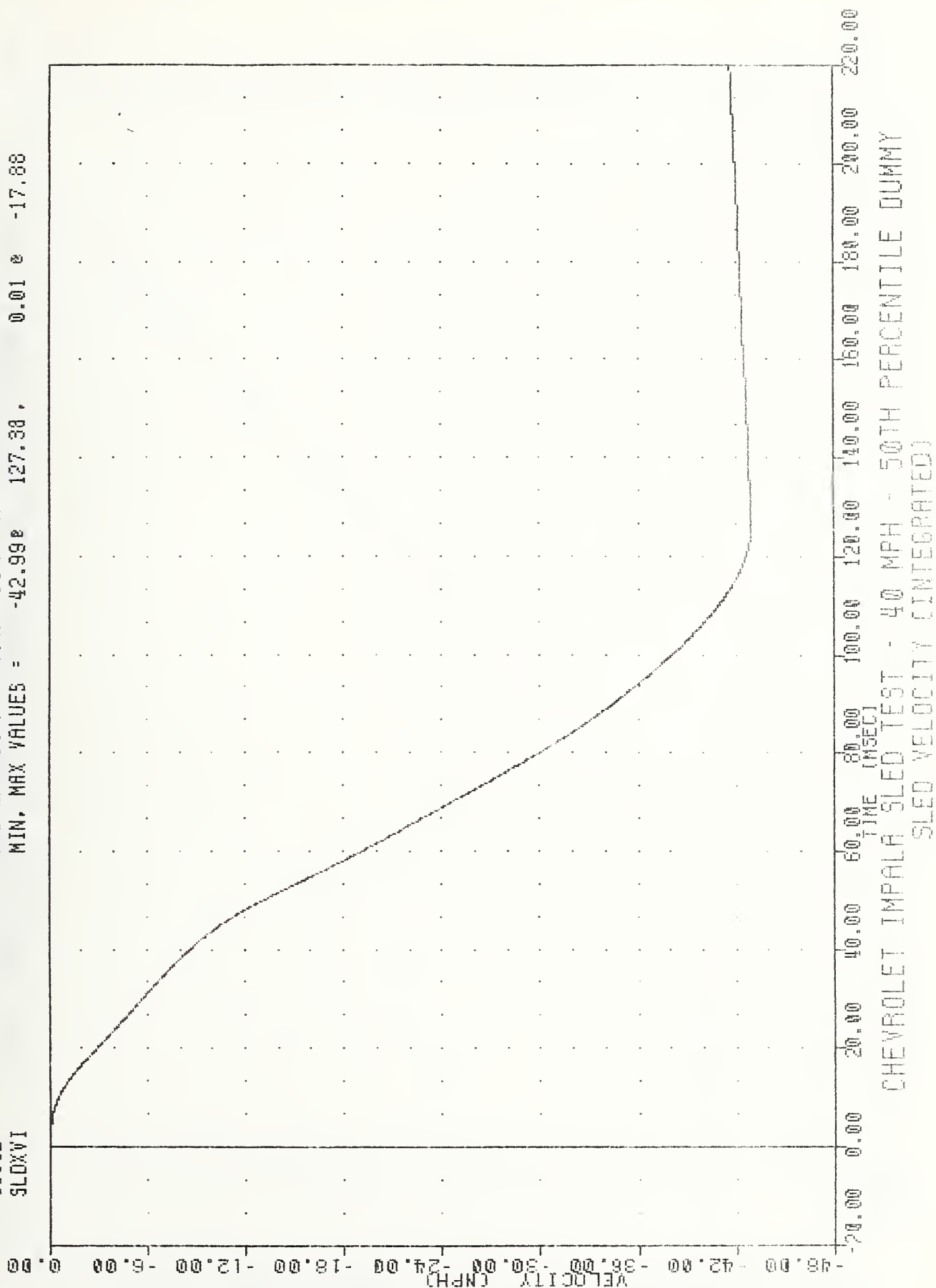
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VBTC , R0384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 SLOXVI

PLOT DATE 11-JUN-85 11:19:38

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -42.99E 127.38 , 0.01 E -17.88

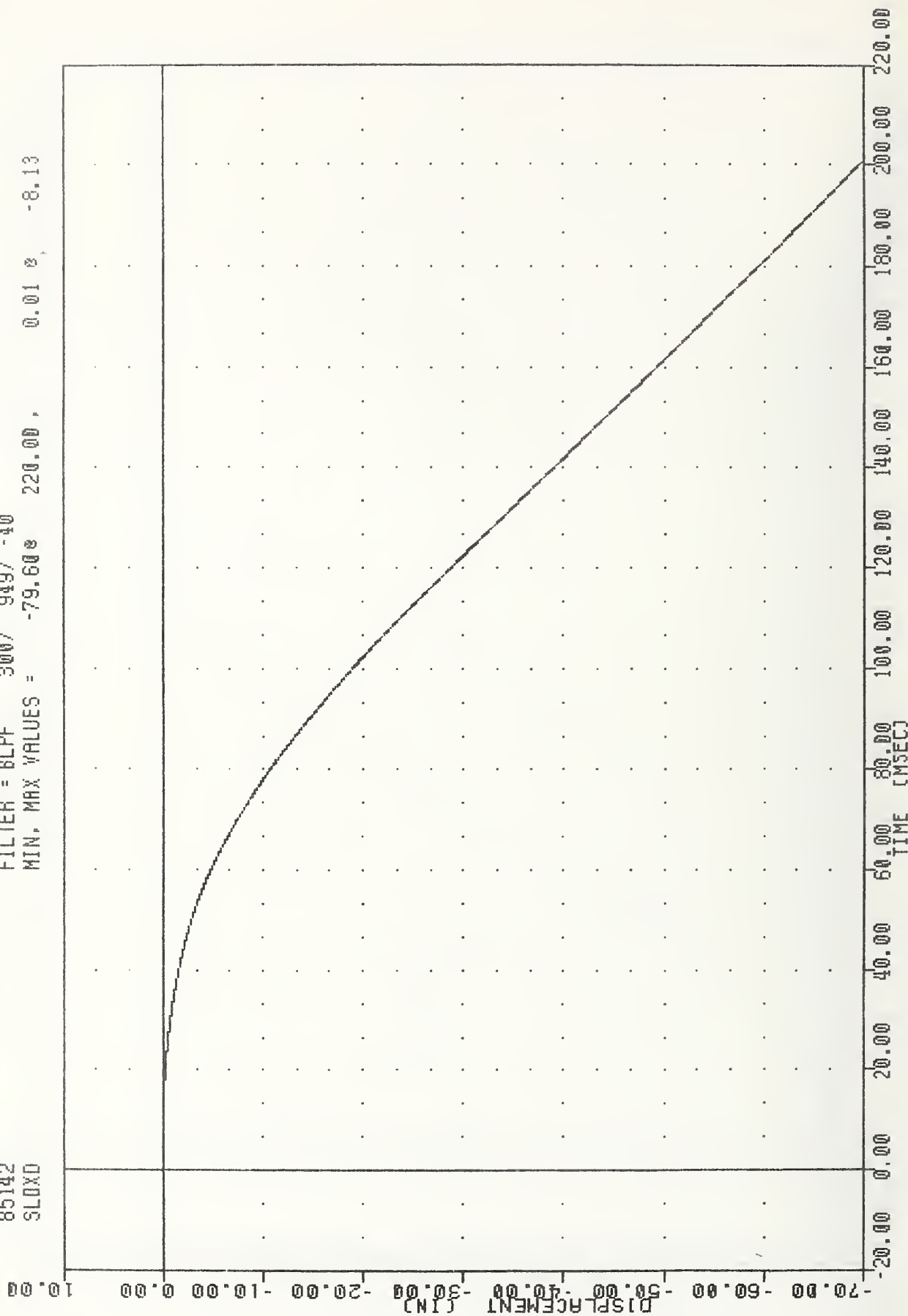


VRTC , PD384-4-37
BREED AIRBAG SLED PROGRAM
85142
SLOXD

PLOT DATE 23-MAY-85 08:36:04

FILTER = 6LPF 300/ 949/ -40

MIN. MAX VALUES = -79.608 220.00 , 0.018 , -8.13



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY

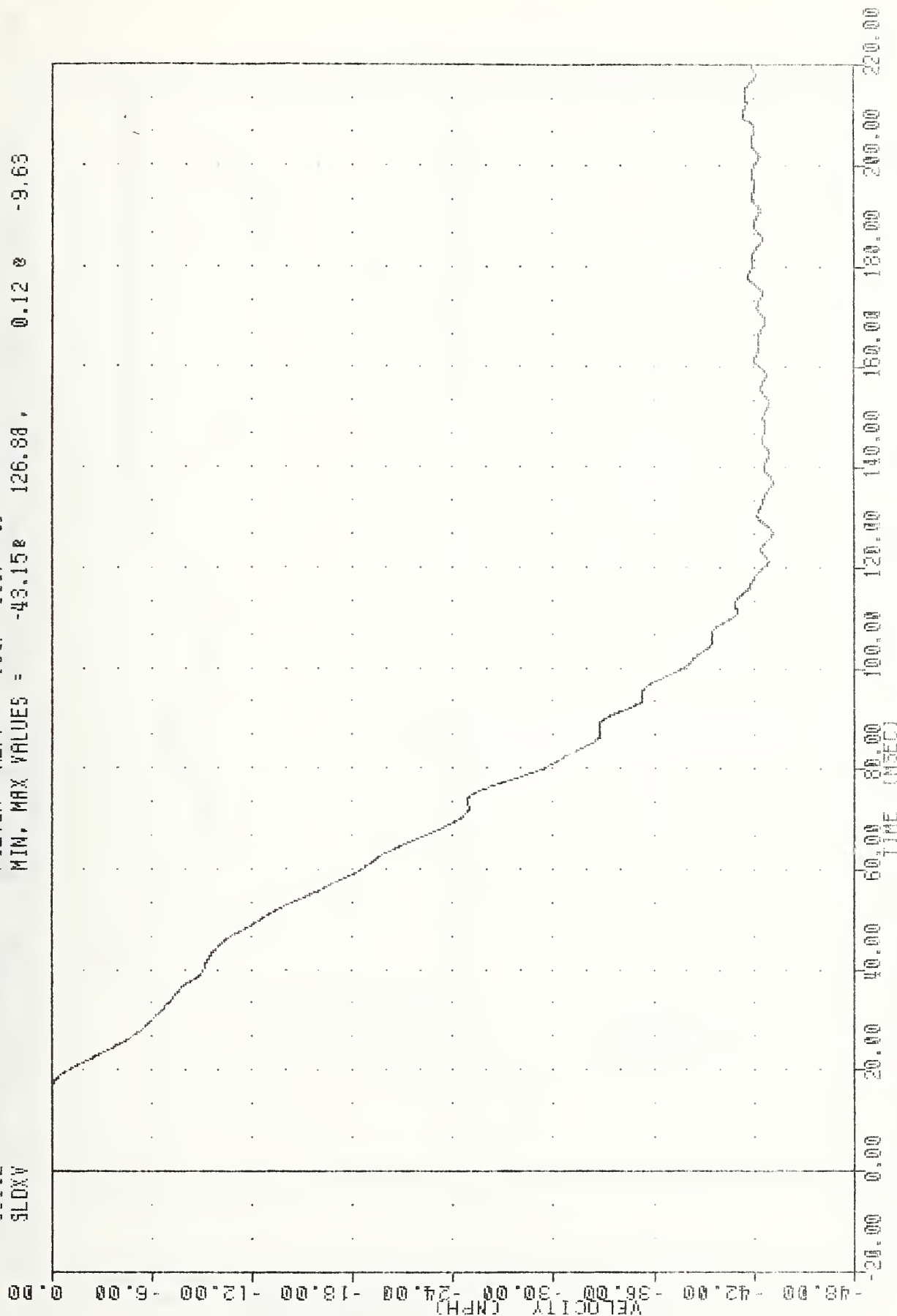
DELTA X USING SLOXVI

VRTC , RD384-4-37
BRAED AIRBAG SLED PROGRAM
85142
SLOXY

PLOT DATE 11-JUN-85 11:11:45

FILTER = ALPF 100/ 316/ -40

MIN, MAX VALUES = -43.15 126.88, 0.12 0 -9.63



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VATC , R0384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 ABTP

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.11e 43.88 , 35.04 e 31.63

70.00

60.00

50.00

40.00

30.00

20.00

10.00

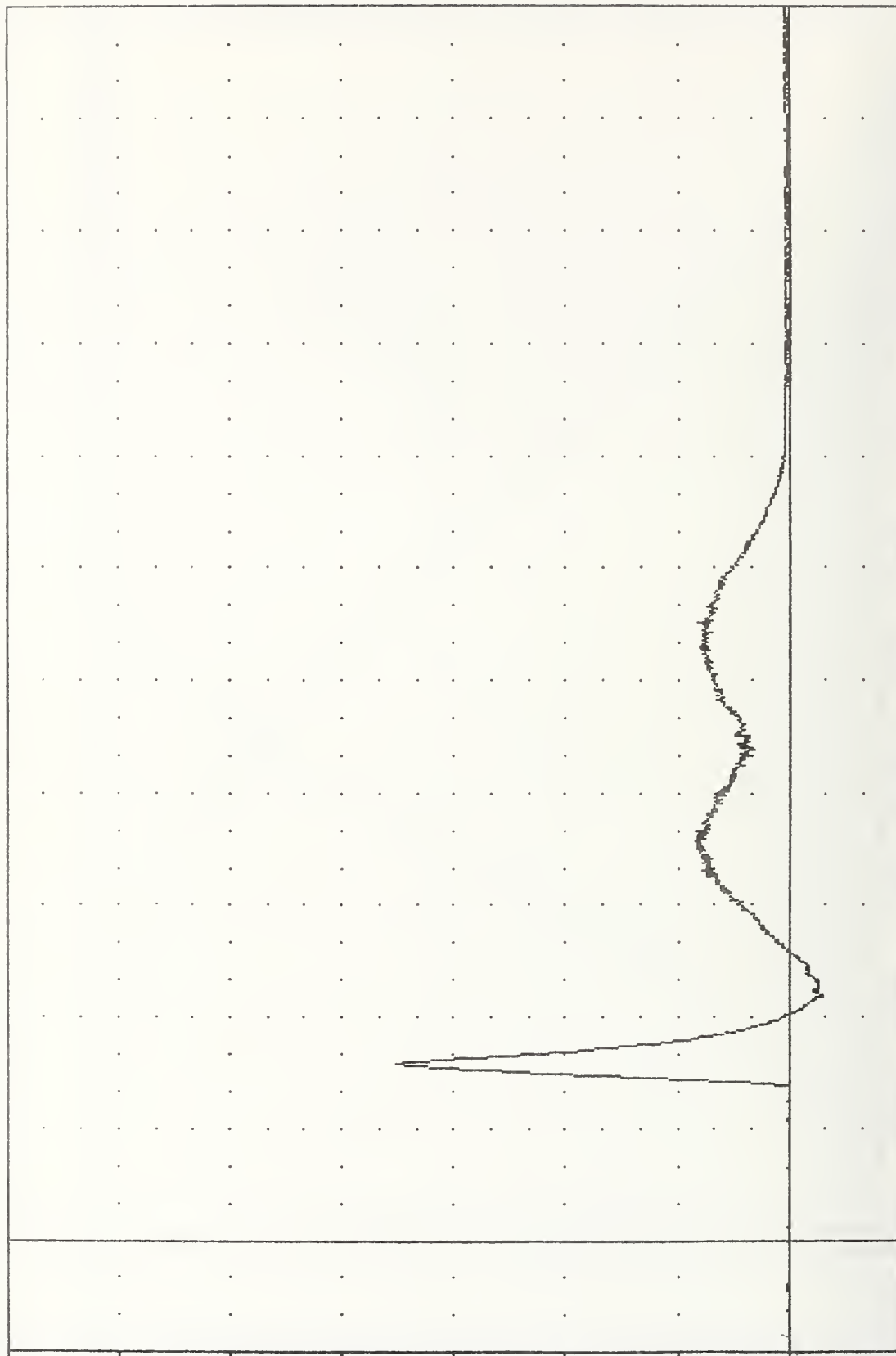
0.00

-10.00

-20.00

PRESSURE (PSIG)

394



-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

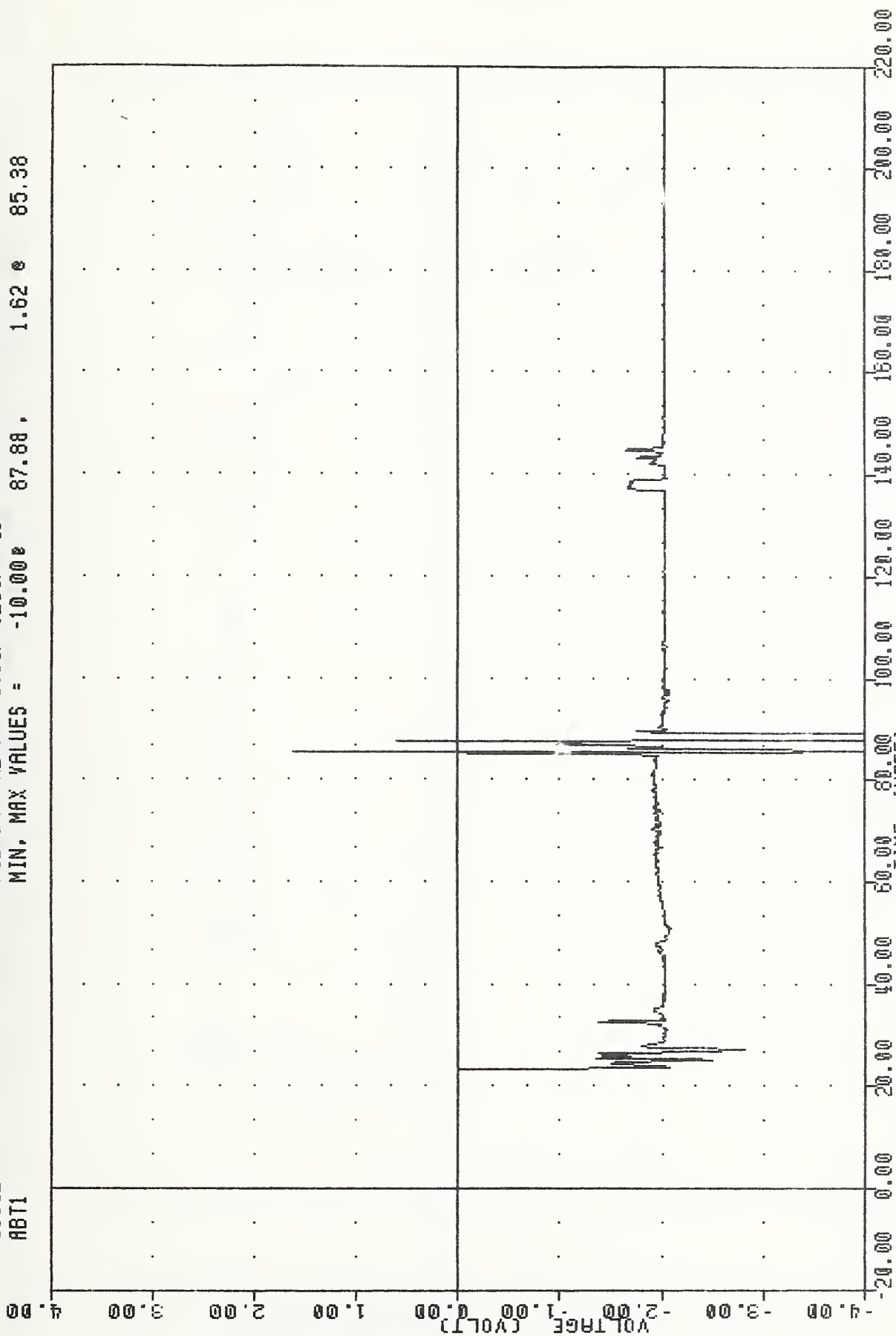
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VRTC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
ABT1

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -10.00e 87.88. 1.62 e 85.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
ABT2

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.77% 26.88, 0.00% -19.38

VOLTAGE (VOLTS)

4.00

3.00

2.00

1.00

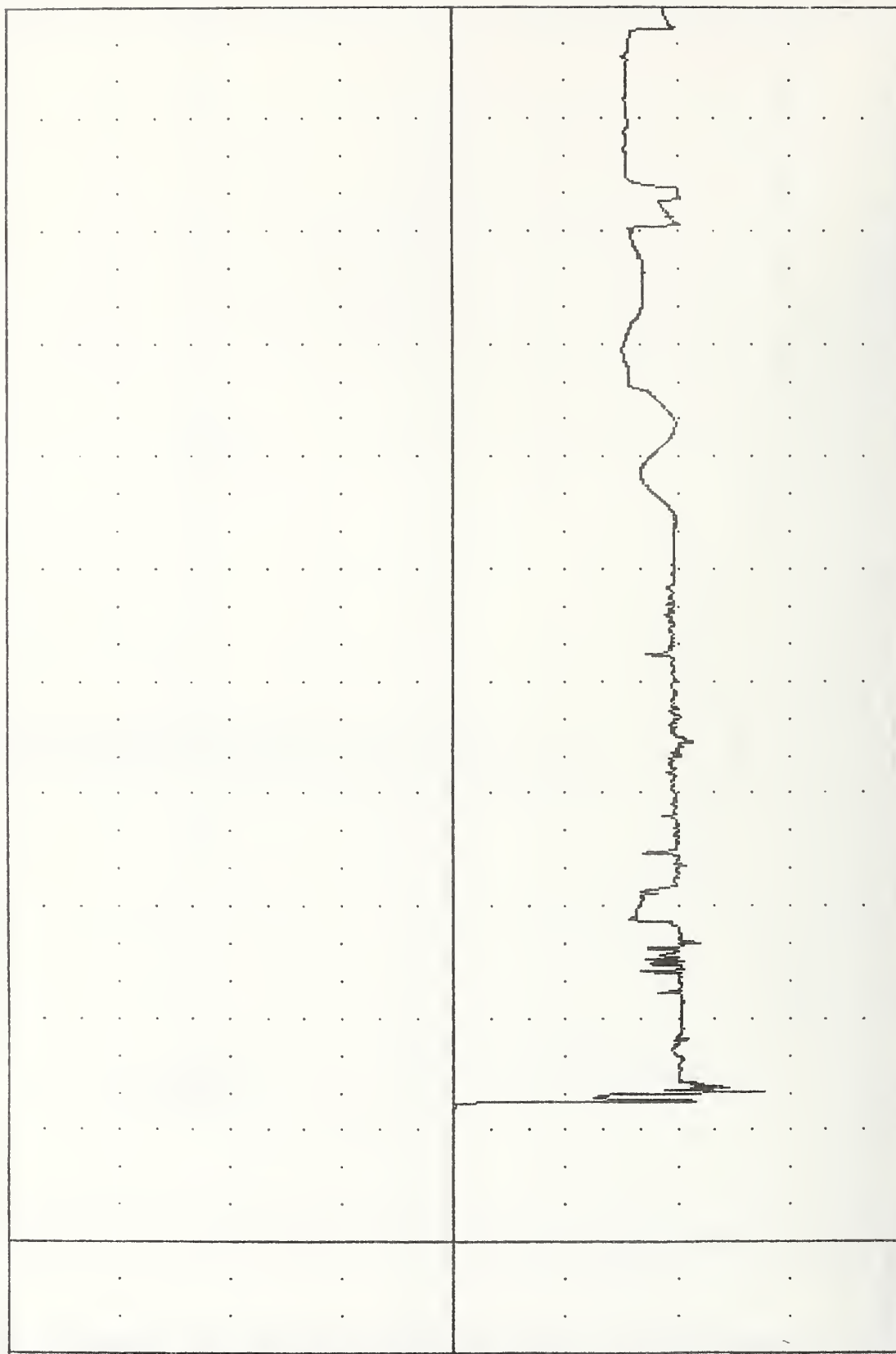
0.00

-1.00

-2.00

-3.00

-4.00



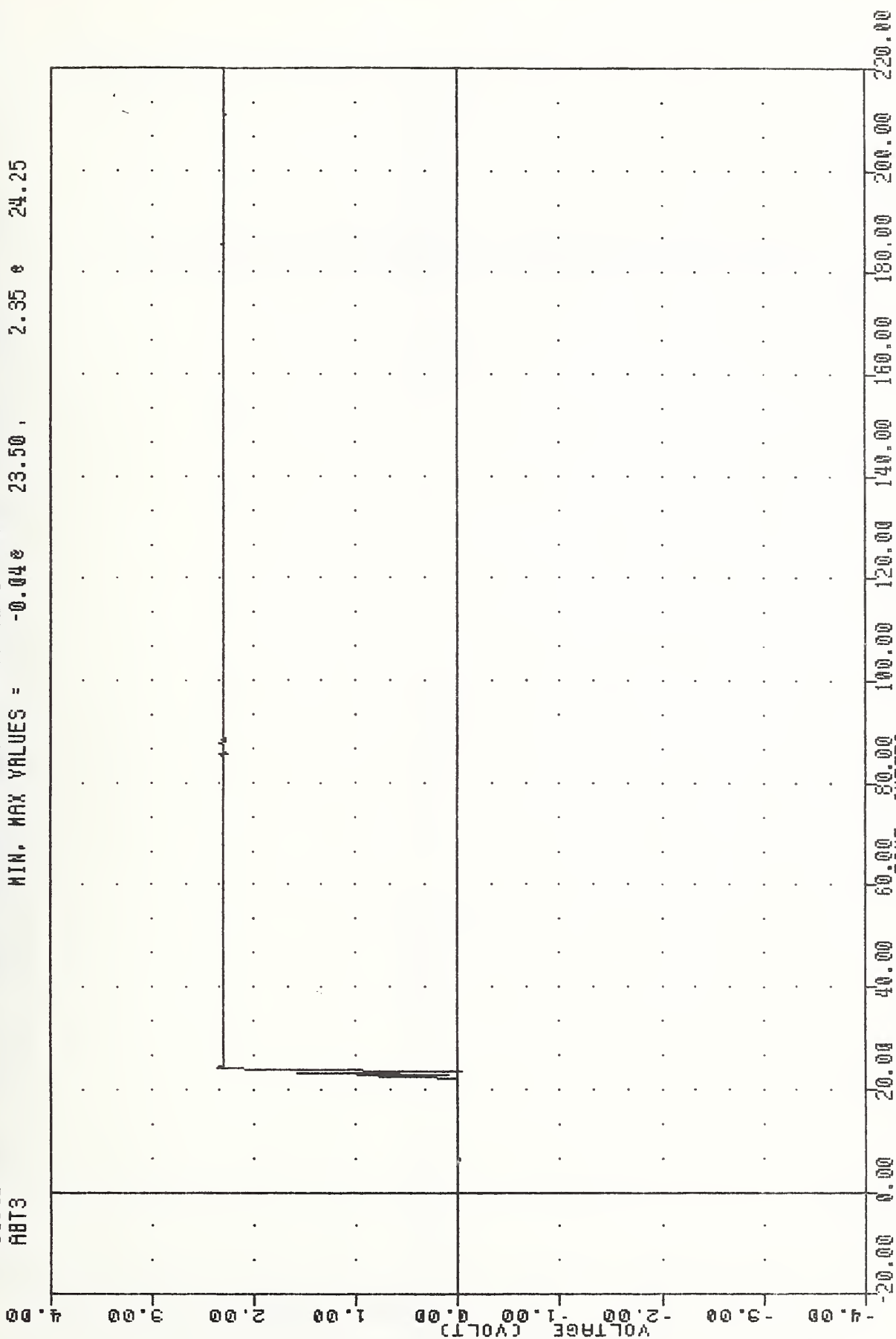
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VATC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
ABT3

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.04e 23.50 , 2.35 e 24.25



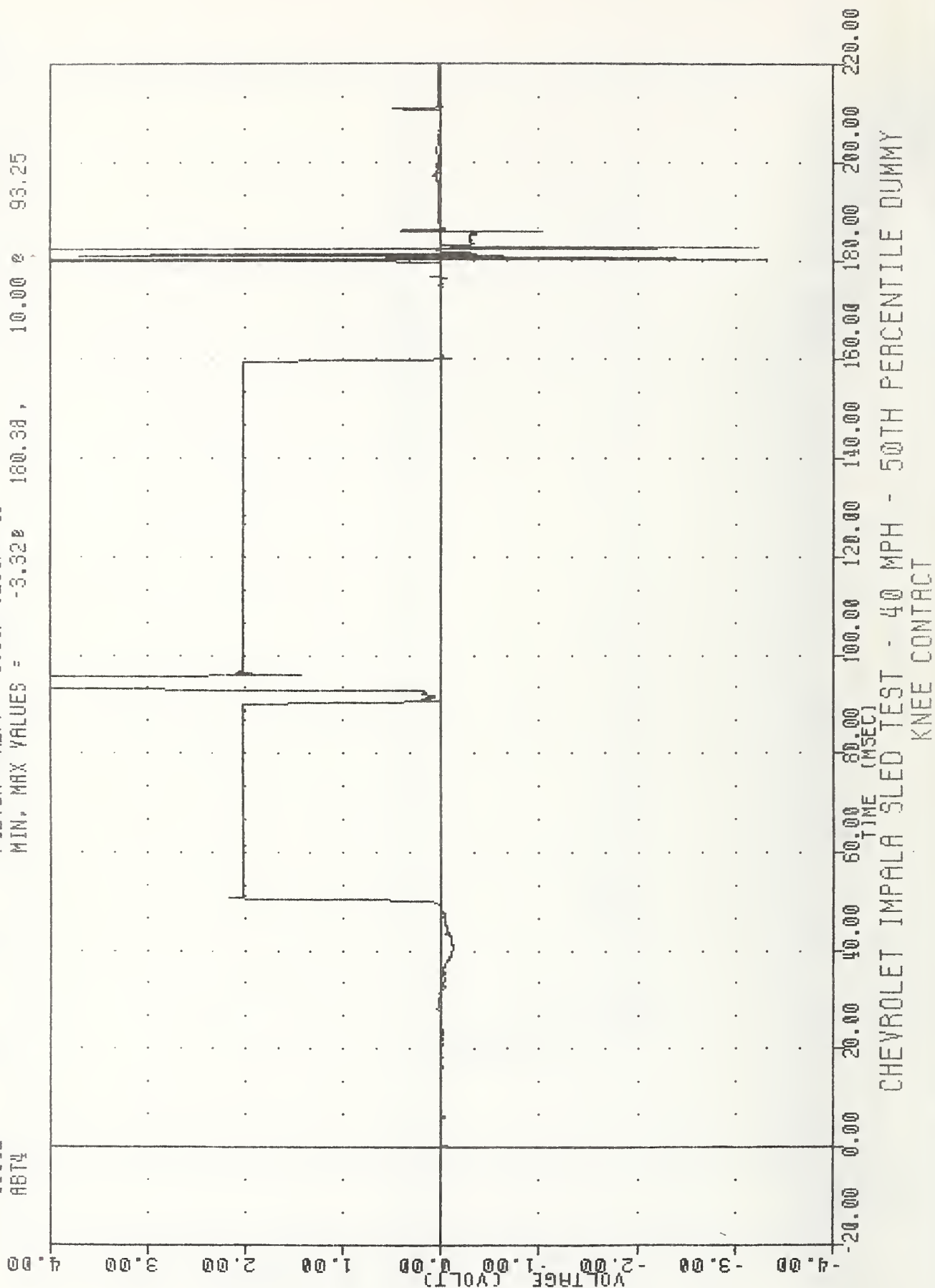
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
BREED B-PILLAR SENSOR

NRIC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
ABT4

PLOT DATE 23-MAY-85 08:34:13

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.328 180.38, 10.00 93.25



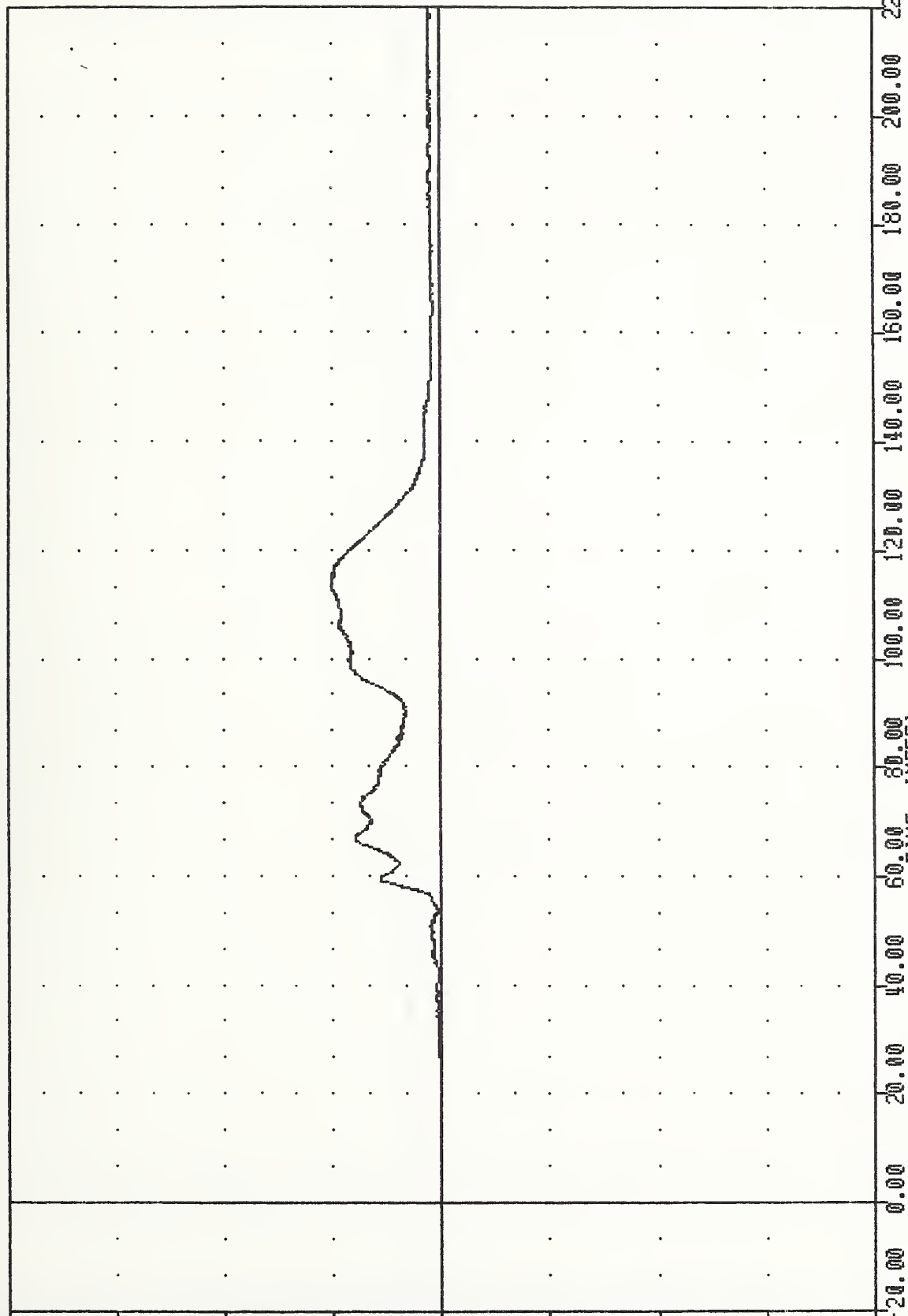
VRIC , R0384-4-37
BREED AIRBAG SLED PROGRAM
85142
HEDRG1

PLOT DATE 23-MAY-85 08:37:02

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.028 -12.00 , 50.63 e 114.75

ACCELERATION [g]

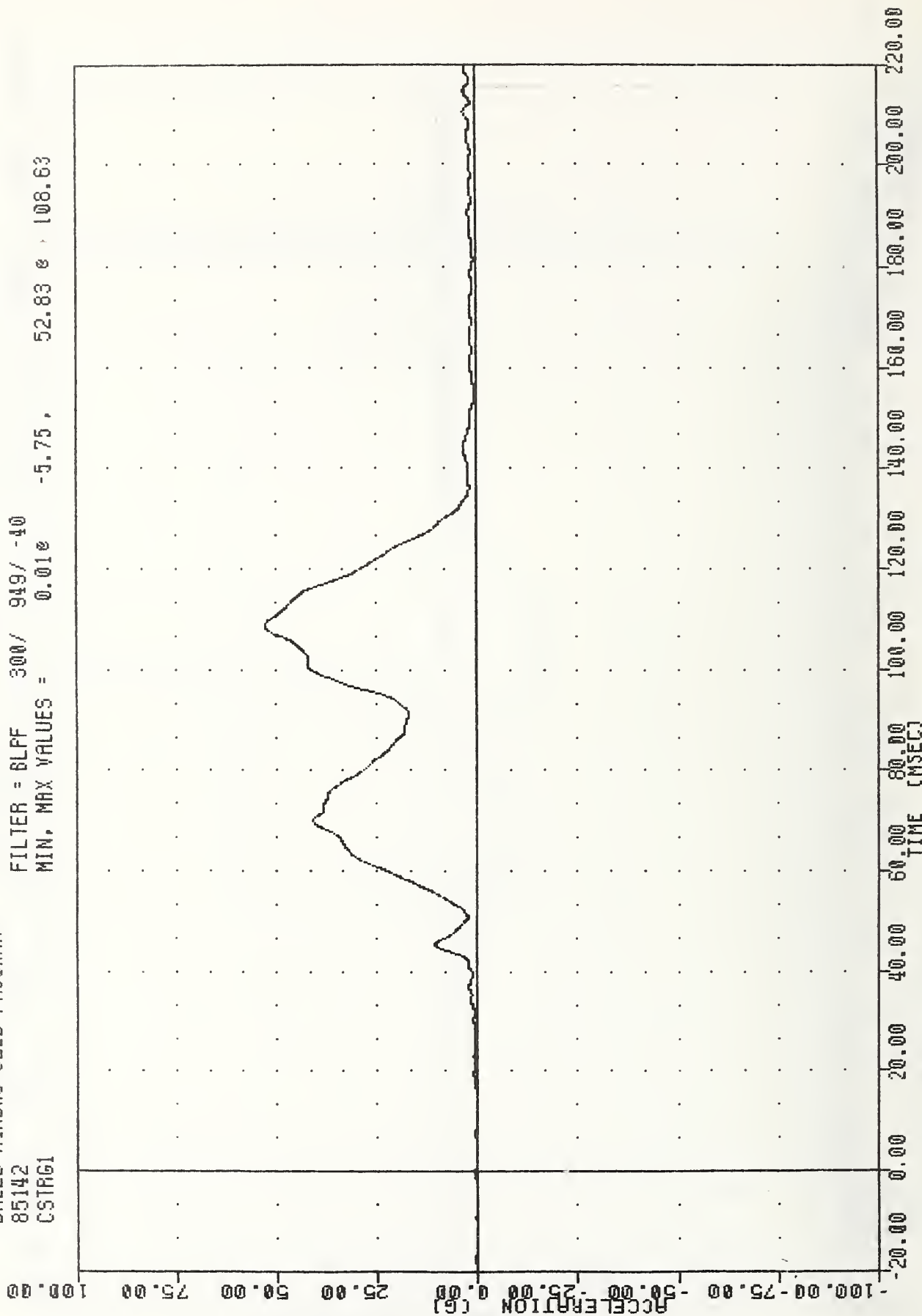


CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
CSTRG1

PLOT DATE 23-MAY-85 08:37:02

FILTER = 8LPF 300/ 949/ -40
MIN, MAX VALUES = 0.01e -5.75, 52.83 e 108.63



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

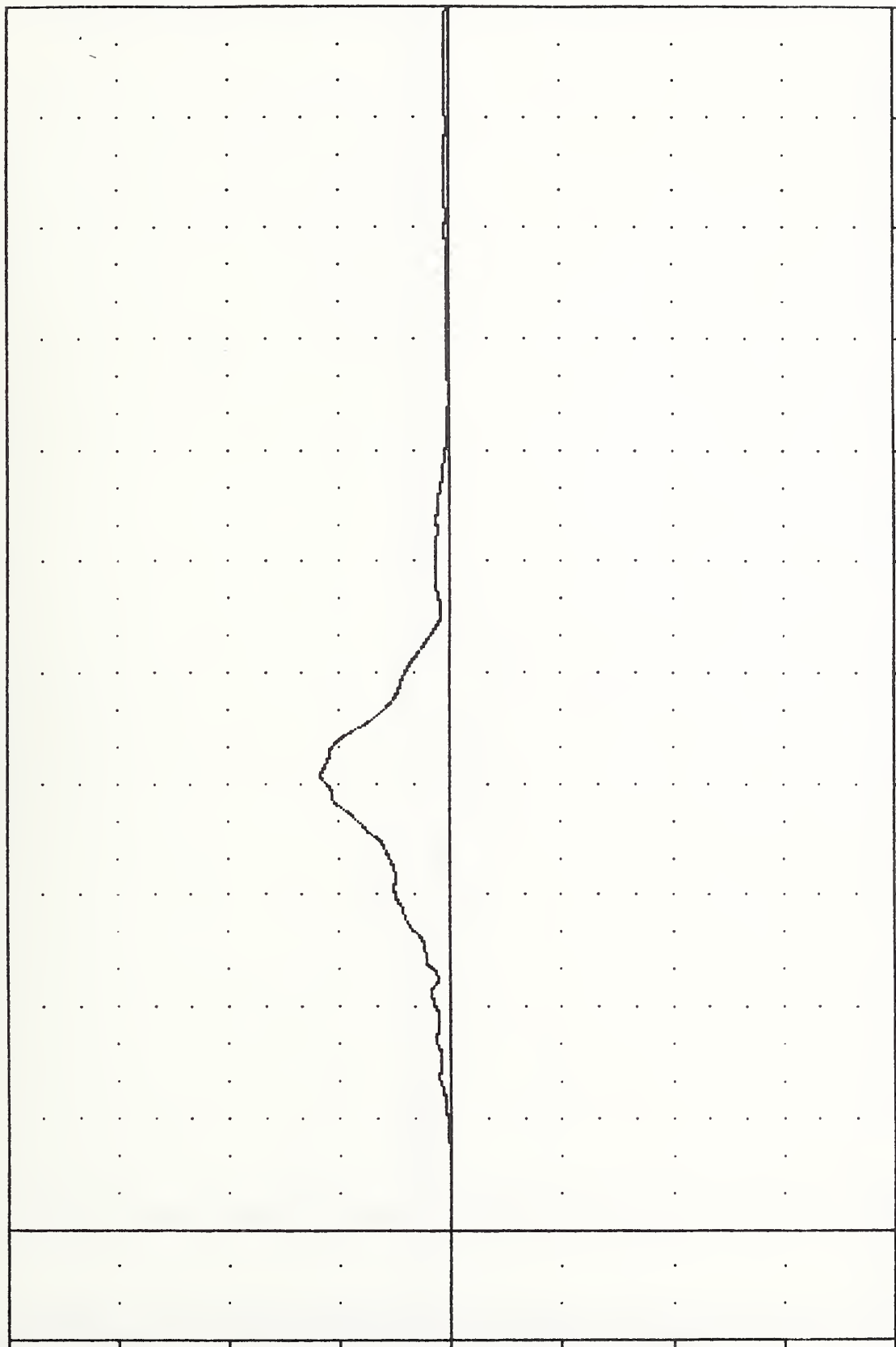
VRAC , RD384-4-37
BREED AIRBAG SLED PROGRAM
85142
PEVR61

PLOT DATE 23-MAY-85 08:37:02

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.10e 5.88. 58.42 e 81.50

ACCELERATION [G]



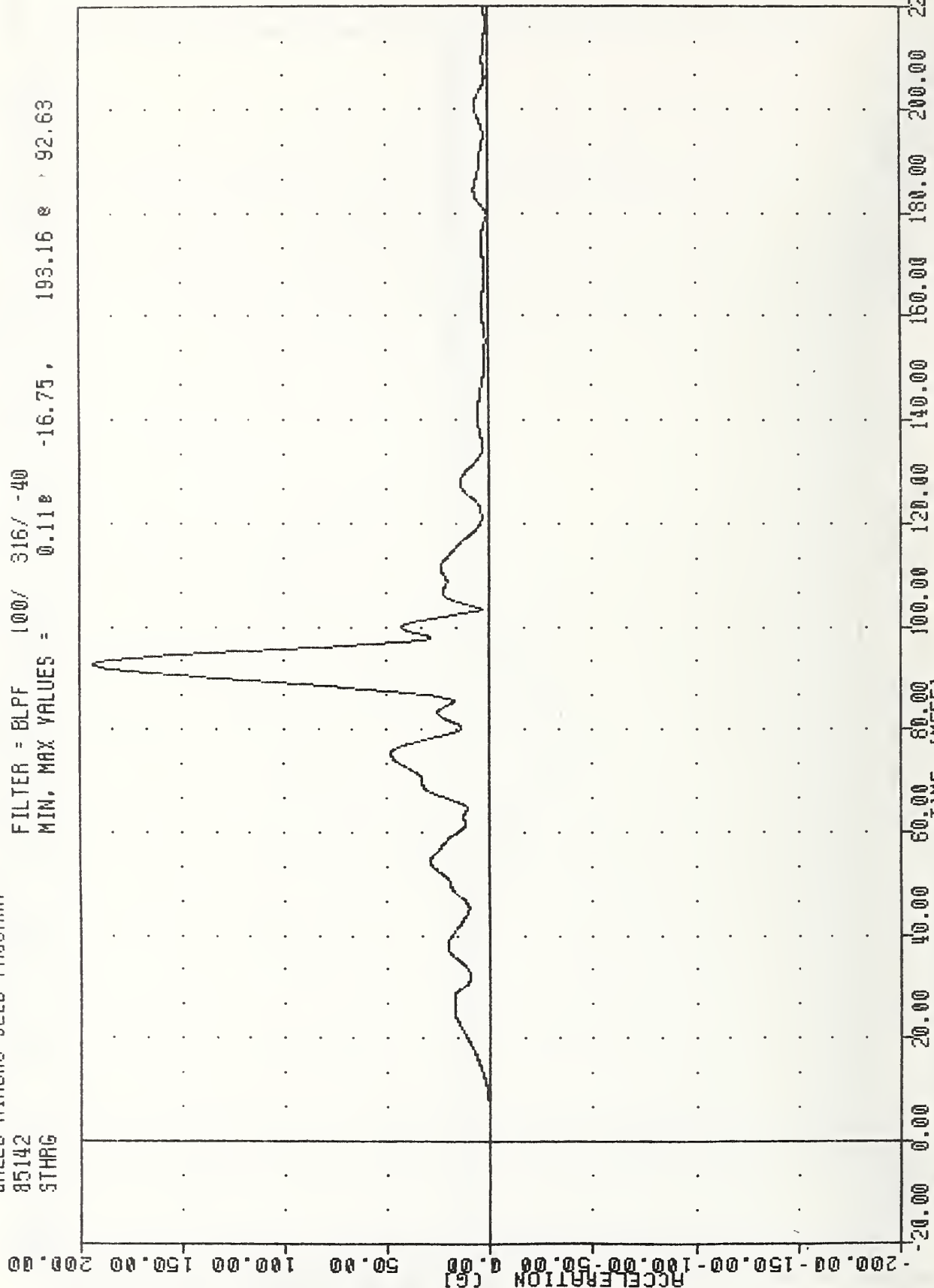
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC , R0304-4-37
BREED AIRBAG SLED PROGRAM
85142
STHRG

PLOT DATE 23-MAY-85 08:37:02

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = 0.11e -16.75, 193.16 e 92.63



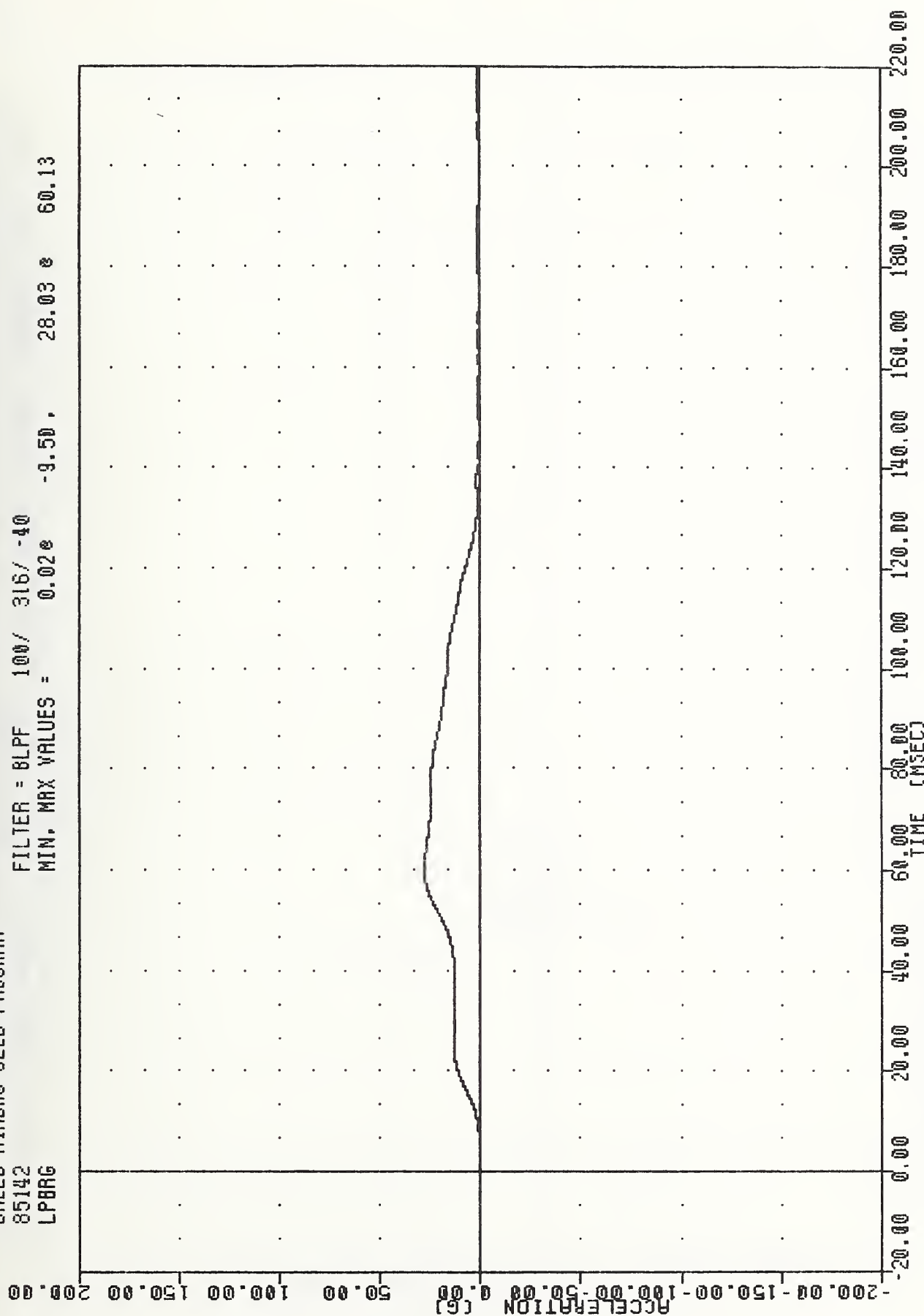
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

WRIC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 LPBAG

PLOT DATE 23-MAY-85 08:37:02

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.02e -9.50, 28.03 e 60.13



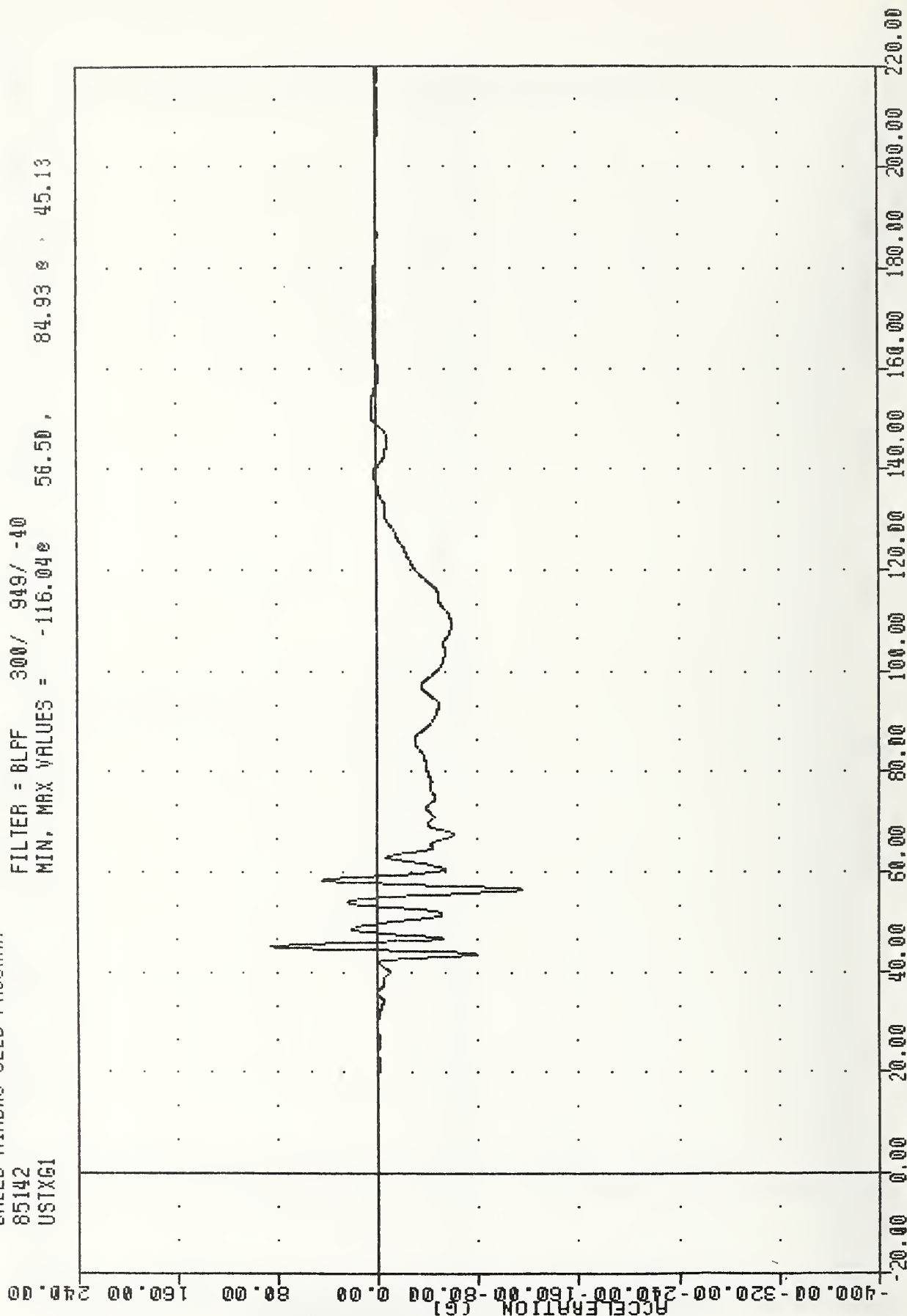
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 USTXG1

PLOT DATE 23-MAY-85 08:34:13

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -116.04g 56.50 , 84.93 g , 45.13



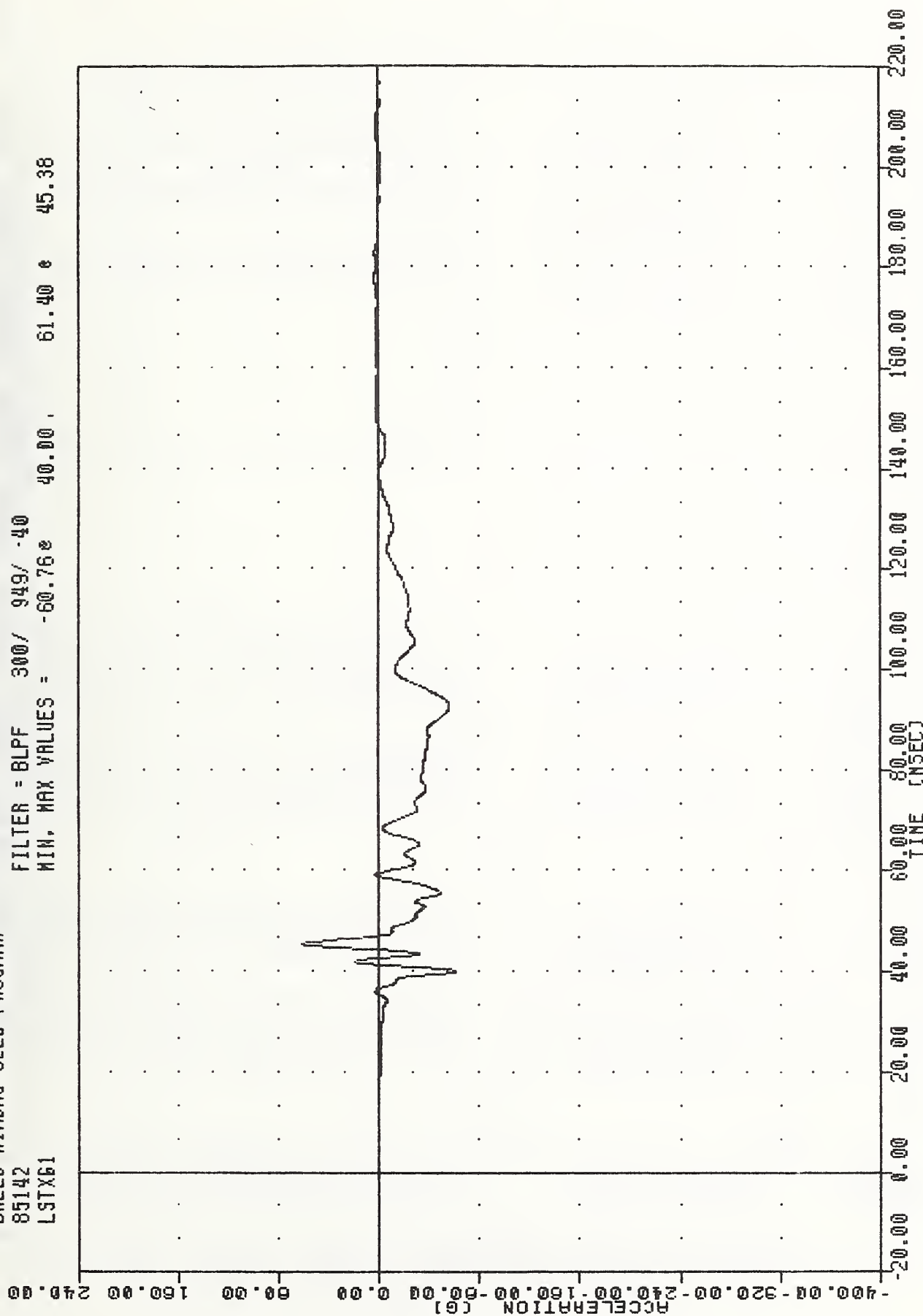
CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER UPPER STERNUM ACCELERATION X AXIS

VRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 LSTX61

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -60.76e 40.00 , 61.40 e 45.38



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER LOWER STERNUM ACCELERATION X AXIS

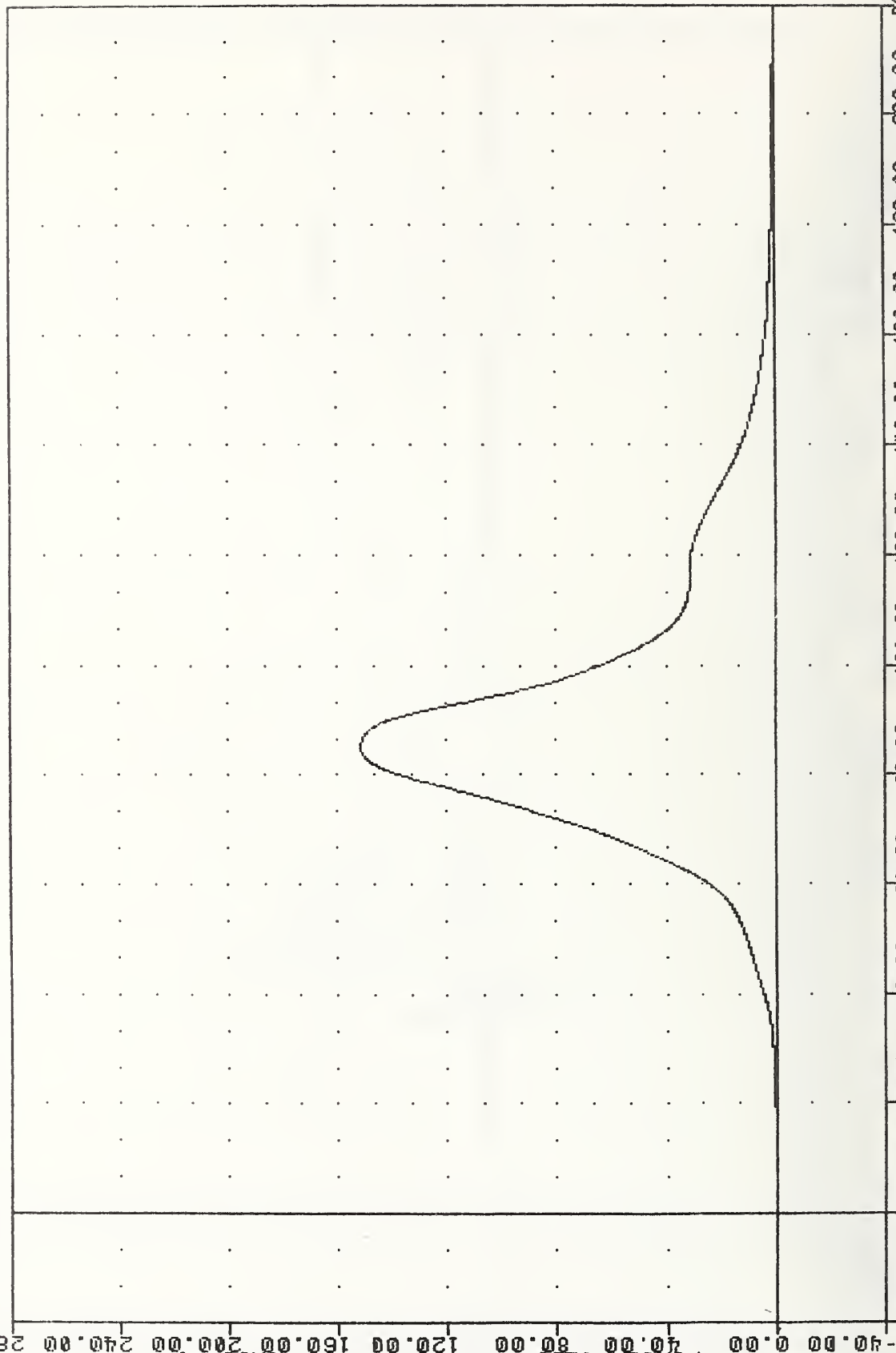
YRTC , RD384-4-37
 BREED AIRBAG SLED PROGRAM
 85142
 LB0F1

PLOT DATE 23-MAY-85 08:34:13

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.15e 15.25, 1514.26 e 85.00

FORCE (LB)



CHEVROLET IMPALA SLED TEST - 40 MPH - 50TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

1	EVENT	Min value		Max value		Data Units	Filter
2	SLDXV	0.071 @	60.750	1.621 @	-19.250 msec	volt	ALPF 1650/ 5214/ -40
3	SLDXG	-32.692 @	113.625	0.139 @	-7.375 msec	mph	ALPF 100/ 316/ -40
4	HEDXG1	-23.313 @	58.000	0.857 @	168.500 msec	g	BLPF 100/ 316/ -40
5	HEDXG1	-40.808 @	77.750	8.392 @	108.875 msec	g	ALPF 1650/ 5214/ -40
6	HEDXG1	-6.467 @	125.500	73.053 @	110.500 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-15.333 @	113.000	31.363 @	105.625 msec	g	ALPF 1650/ 5214/ -40
8	CSTXG1	-37.127 @	76.750	6.221 @	156.625 msec	g	BLPF 300/ 949/ -40
9	CSTXG1	-1.778 @	181.625	28.812 @	118.000 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-6.563 @	78.375	5.126 @	112.125 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-175.297 @	60.250	77.196 @	58.125 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-73.550 @	58.375	72.059 @	48.625 msec	g	BLPF 300/ 949/ -40
13	PEVXG1	-38.234 @	82.375	7.152 @	149.625 msec	g	BLPF 300/ 949/ -40
14	PEVXG1	-10.778 @	82.875	12.758 @	102.000 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-13.680 @	75.000	2.452 @	162.750 msec	lb	BLPF 300/ 949/ -40
16	RFMF1	-1284.557 @	97.875	2.371 @	-3.250 msec	lb	BLPF 1000/ 3162/ -40
17	STHPG	-1130.574 @	82.000	17.189 @	123.750 msec	lb	BLPF 1000/ 3162/ -40
18	STHPG	-51.275 @	104.000	23.151 @	86.625 msec	g	BLPF 100/ 316/ -40
19	STHIG	-11.422 @	86.125	20.766 @	102.750 msec	g	BLPF 100/ 316/ -40
20	LPBXG	-34.154 @	86.375	40.891 @	95.375 msec	g	BLPF 100/ 316/ -40
21	LPBXG	-22.826 @	62.000	1.600 @	169.500 msec	g	BLPF 100/ 316/ -40
22	LPBXG	-2.030 @	122.125	6.485 @	68.625 msec	g	BLPF 100/ 316/ -40
23	ABTP	-1.768 @	52.375	3.046 @	33.500 msec	psig	BLPF 100/ 316/ -40
24	ABT1	-3.131 @	51.125	32.088 @	33.750 msec	volt	ALPF 1650/ 5214/ -40
25	ABT2	-2.530 @	30.250	0.002 @	-15.125 msec	volt	ALPF 1650/ 5214/ -40
26	ABT3	-9.998 @	87.875	0.950 @	87.000 msec	volt	ALPF 1650/ 5214/ -40
27	ABT4	-0.056 @	21.000	2.305 @	26.000 msec	volt	ALPF 1650/ 5214/ -40
		-2.083 @	119.750	10.000 @	117.625 msec	volt	ALPF 1650/ 5214/ -40

1	EVENT	Min value		Max value		Data Units	Filter
2	SLDXV1	-28.184 @	134.500	-0.238 @	45.000 msec	mph	BLPF 300/ 949/ -40
3	SLDXV1	-45.382 @	220.000	-0.228 @	-20.000 msec	in	BLPF 300/ 949/ -40
4	CSTXV1	-29.530 @	136.375	-0.176 @	-8.500 msec	mph	BLPF 300/ 949/ -40
5	PEVXV1	-45.010 @	220.000	-0.098 @	-20.000 msec	in	BLPF 300/ 949/ -40
6	PEVXV1	-30.157 @	123.875	-0.374 @	-17.875 msec	mph	BLPF 300/ 949/ -40
7	PEVXV1	-46.177 @	220.000	-0.205 @	-20.000 msec	in	BLPF 300/ 949/ -40
8	SLDXV1	-32.234 @	116.625	0.036 @	-16.500 msec	mph	BLPF 300/ 949/ -40
9	STHPV	-61.473 @	220.000	0.023 @	-4.500 msec	in	BLPF 300/ 949/ -40
10	STHPD	-28.260 @	108.375	0.138 @	-20.000 msec	mph	BLPF 300/ 949/ -40
11	LPBXV	-50.388 @	220.000	0.102 @	7.250 msec	in	BLPF 300/ 949/ -40
12	LPBXD	-30.712 @	117.750	0.019 @	-12.750 msec	mph	BLPF 300/ 949/ -40
		-57.587 @	220.000	0.002 @	-7.875 msec	in	BLPF 300/ 949/ -40

1	EVENT	Min value		Max value		Data Units	Filter
2	SLDXV1	0.055 @	8.250	73.069 @	110.625 msec	g	ALPF 1650/ 5214/ -40
3	CSTRG1	0.028 @	-1.250	37.656 @	76.750 msec	g	BLPF 300/ 949/ -40
4	PEVRG1	0.047 @	-0.250	41.271 @	82.500 msec	g	BLPF 300/ 949/ -40
5	STHRG	0.123 @	-20.000	59.886 @	95.500 msec	g	BLPF 100/ 316/ -40
		0.104 @	3.750	23.316 @	61.875 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC445RP.RAD;1
VRTC RD384-4-38 BREED AIRBAG SLED PROGRAM
85143 30.00 mph

* * * HIC computation for HEDRG1 23-MAY-85 13:12
Using time range = 0.000 to 118.375 msec Peak accel = 73.07 @ 110.625
HIC = 346.06 Interval from 68.000 [705] to 115.875 [1088]
HIC = 222.63 Interval from 105.250 [1003] to 114.750 [1079]

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

Enter input filespec -> TRC445RP

File TRC445RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-38 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

ISLED.BREEDJTRC445RP.RAD;1 VRTC RD384-4-38
BREED AIRBAG SLED PROGRAM 30.0 mph 85143 23-MAY-85 12:58:27
Deltax: 0.125

3 MS CLIP PEAK: 36.57139

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
\$

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
EVENT

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.078 60.75, 1.62 e -19.25

4.00

3.00

2.00

1.00

0.00

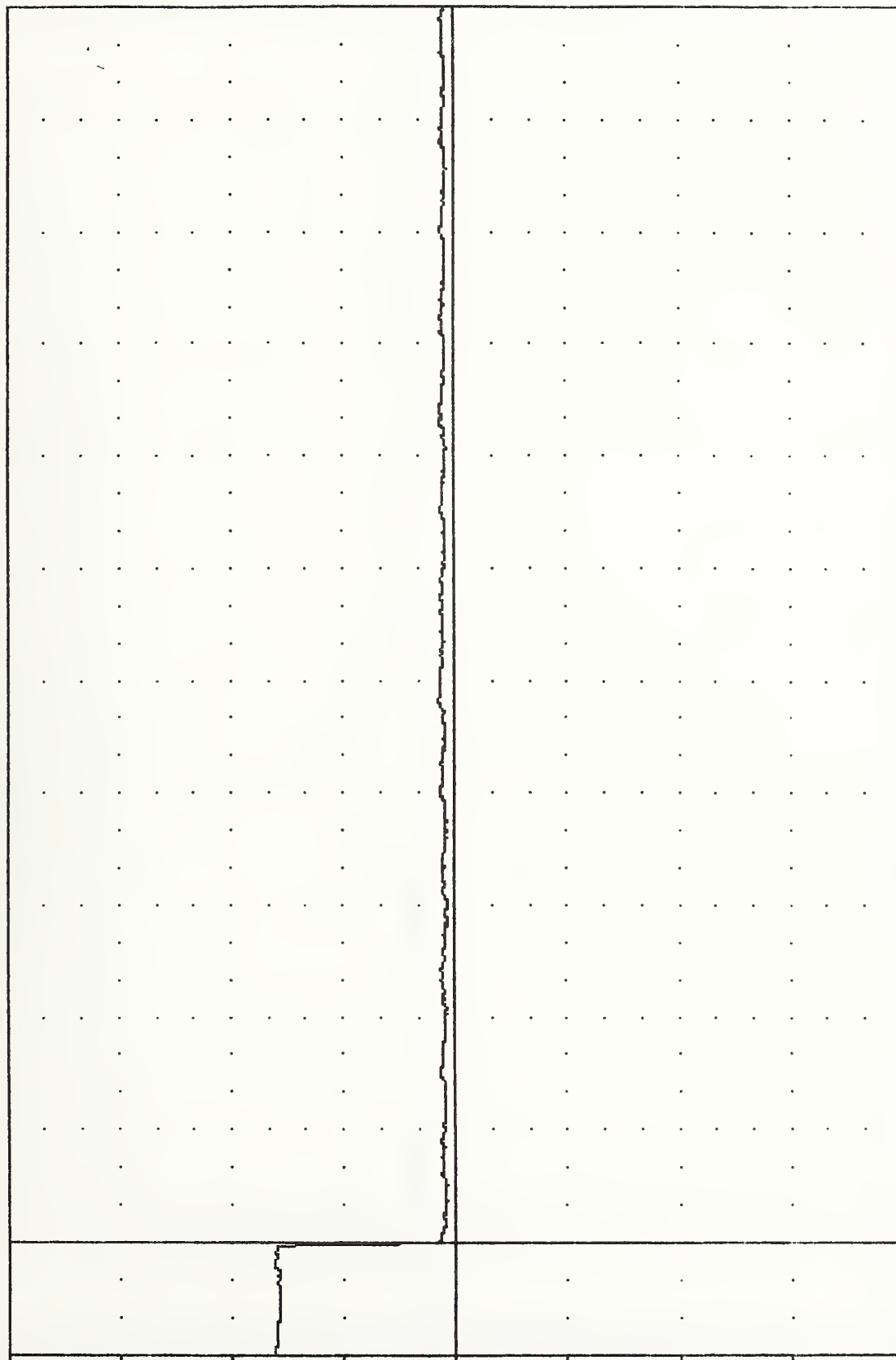
409

-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

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

VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 HEDXG1

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -40.81g 77.75 , 8.39 g 108.88

200.00

150.00

100.00

50.00

0.00

-50.00

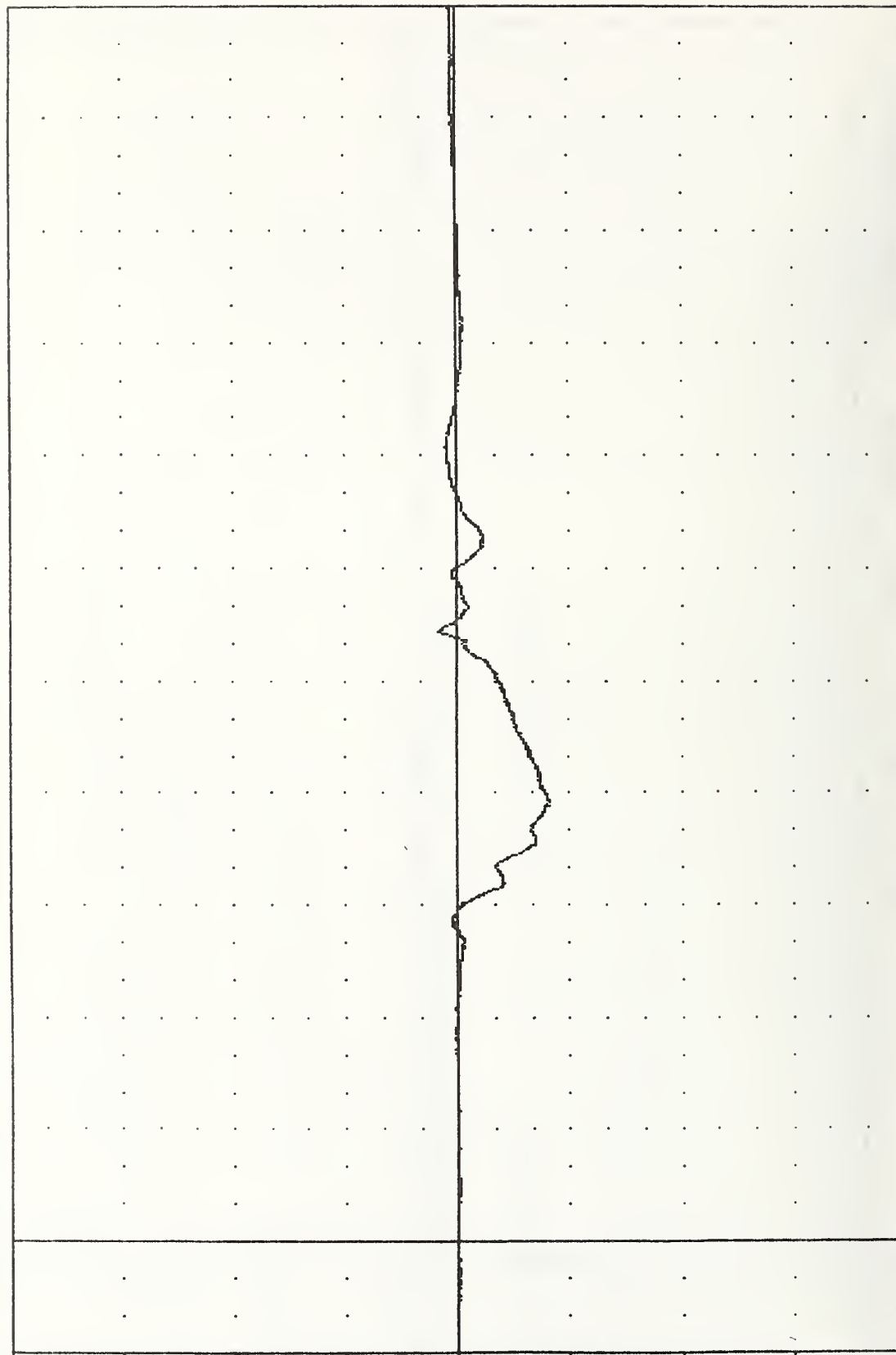
-100.00

-150.00

-200.00

ACCELERATION (G)

410



-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 HEAD ACCELERATION X AXIS

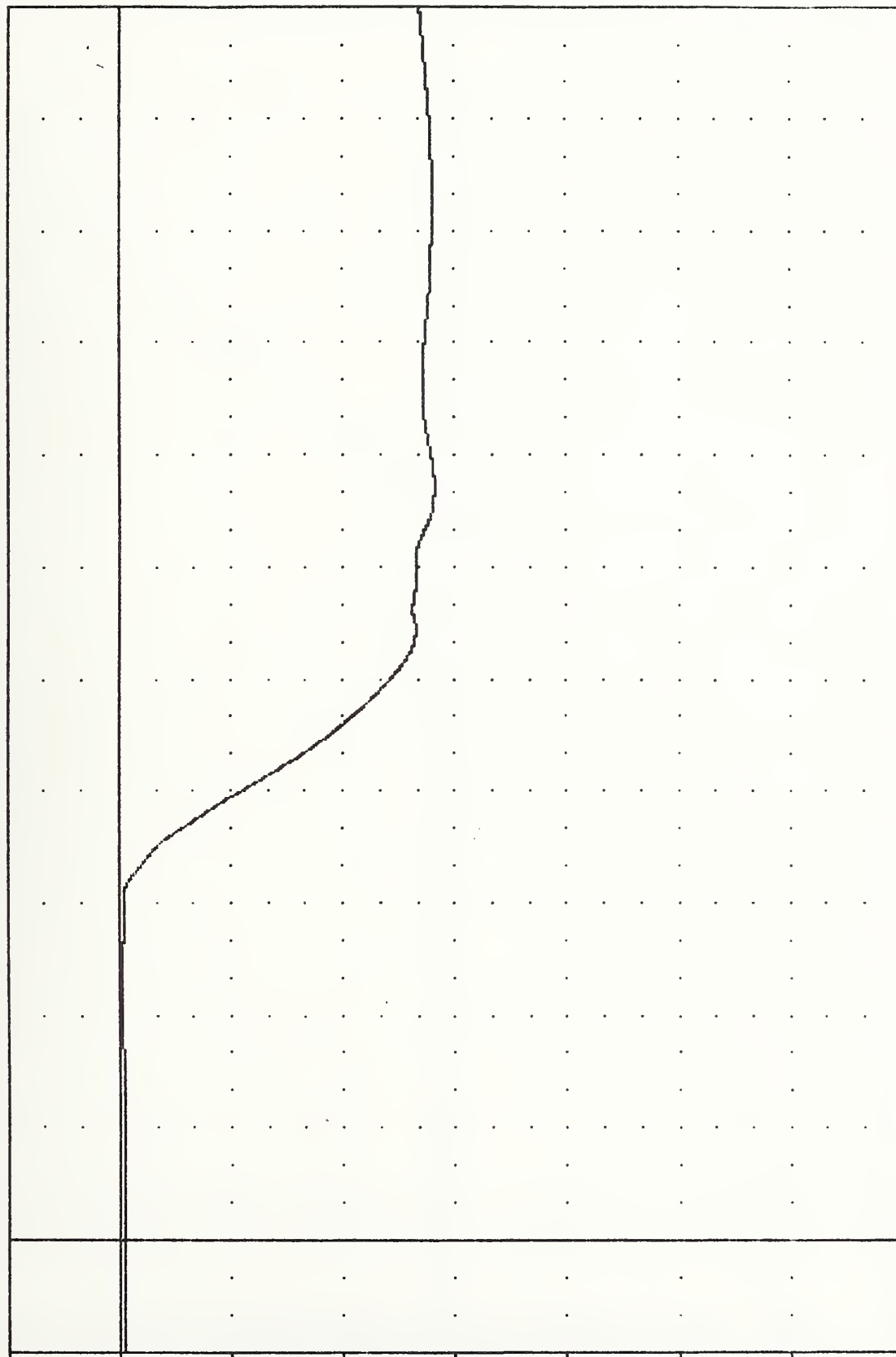
VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 HEDXV1

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -28.18 134.50 , -0.24 e 45.00

10.00
0.00
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.00
-110.00
-120.00
-130.00
-140.00
-150.00
-160.00
-170.00
-180.00
-190.00
-200.00
-210.00
-220.00
-230.00
-240.00
-250.00
-260.00
-270.00
-280.00
-290.00
-300.00
-310.00
-320.00
-330.00
-340.00
-350.00
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-370.00
-380.00
-390.00
-400.00
-410.00
-420.00
-430.00
-440.00
-450.00
-460.00
-470.00
-480.00
-490.00
-500.00
-510.00
-520.00
-530.00
-540.00
-550.00
-560.00
-570.00
-580.00
-590.00
-600.00
-610.00
-620.00
-630.00
-640.00
-650.00
-660.00
-670.00
-680.00
-690.00
-700.00
-710.00
-720.00
-730.00
-740.00
-750.00
-760.00
-770.00
-780.00
-790.00
-800.00
-810.00
-820.00
-830.00
-840.00
-850.00
-860.00
-870.00
-880.00
-890.00
-900.00
-910.00
-920.00
-930.00
-940.00
-950.00
-960.00
-970.00
-980.00
-990.00
-1000.00



-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)

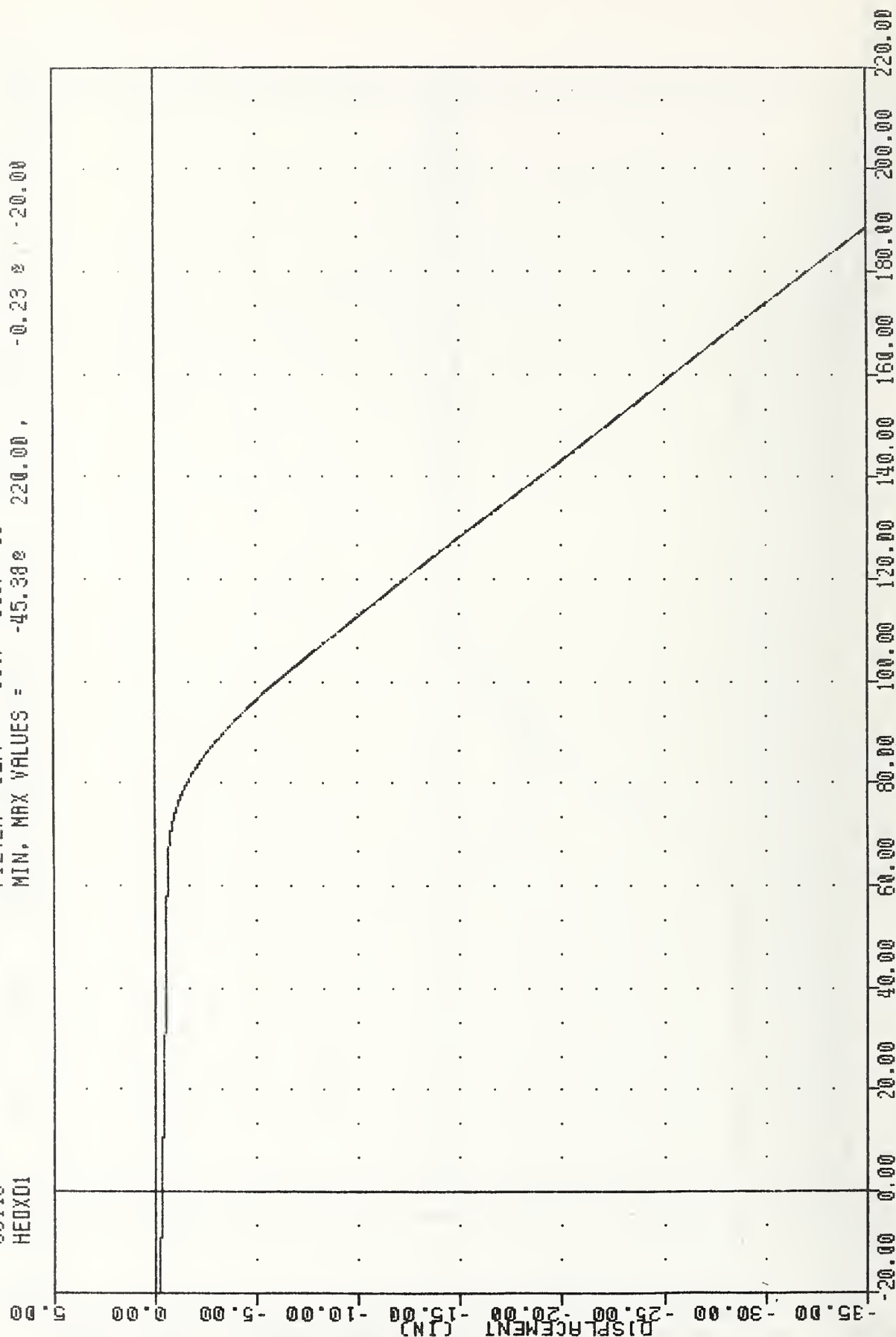
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING HEDXG1

WRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 HEDX01

PLOT DATE 24-MAY-85 11:24:40

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -45.382 220.00, -0.232 -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING HEDXV1

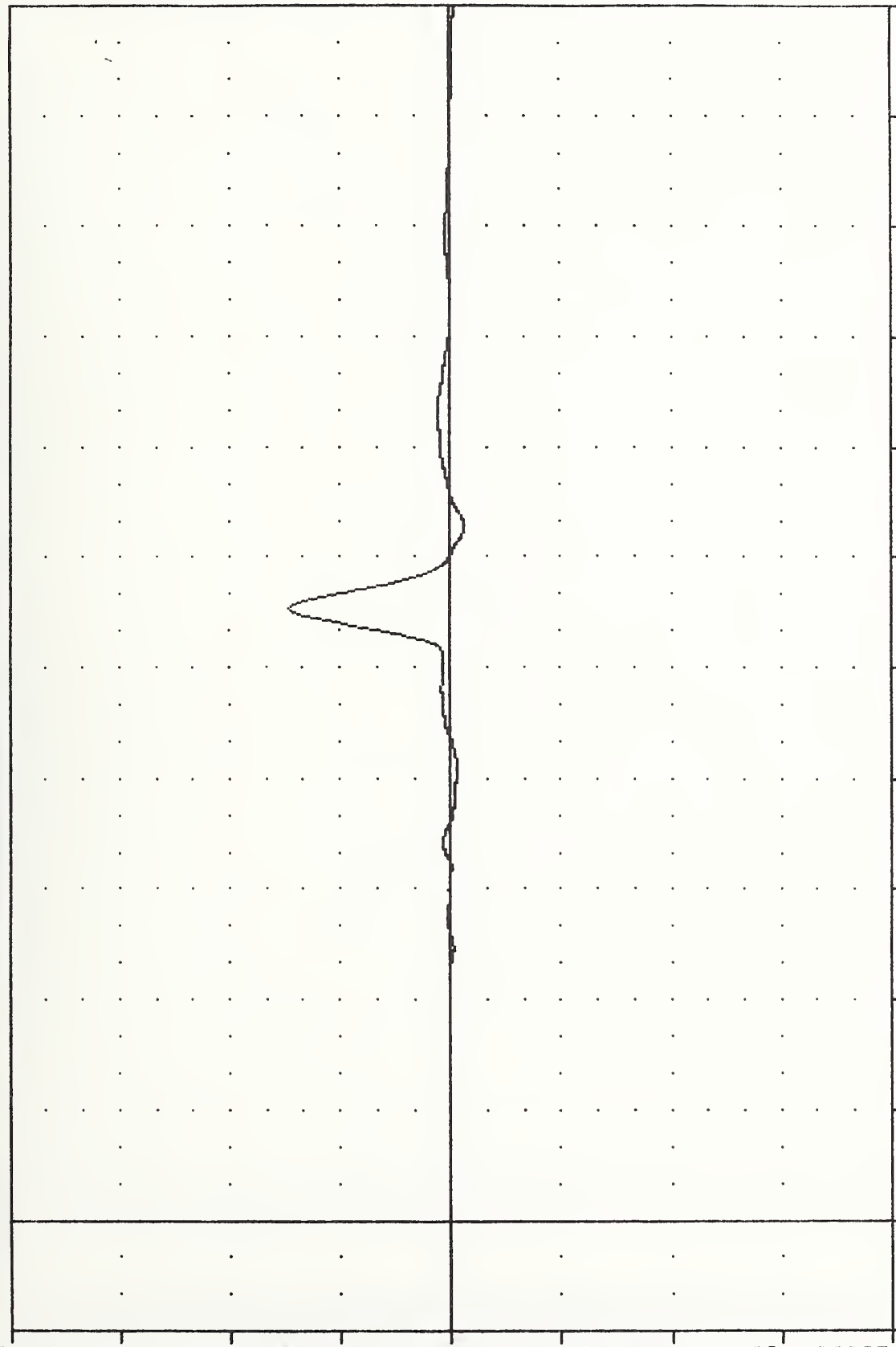
VATC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
HEDY61

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -6.478 125.50 , 73.05 & 110.50

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 DUMMY
DRIVER HEAD ACCELERATION Y AXIS

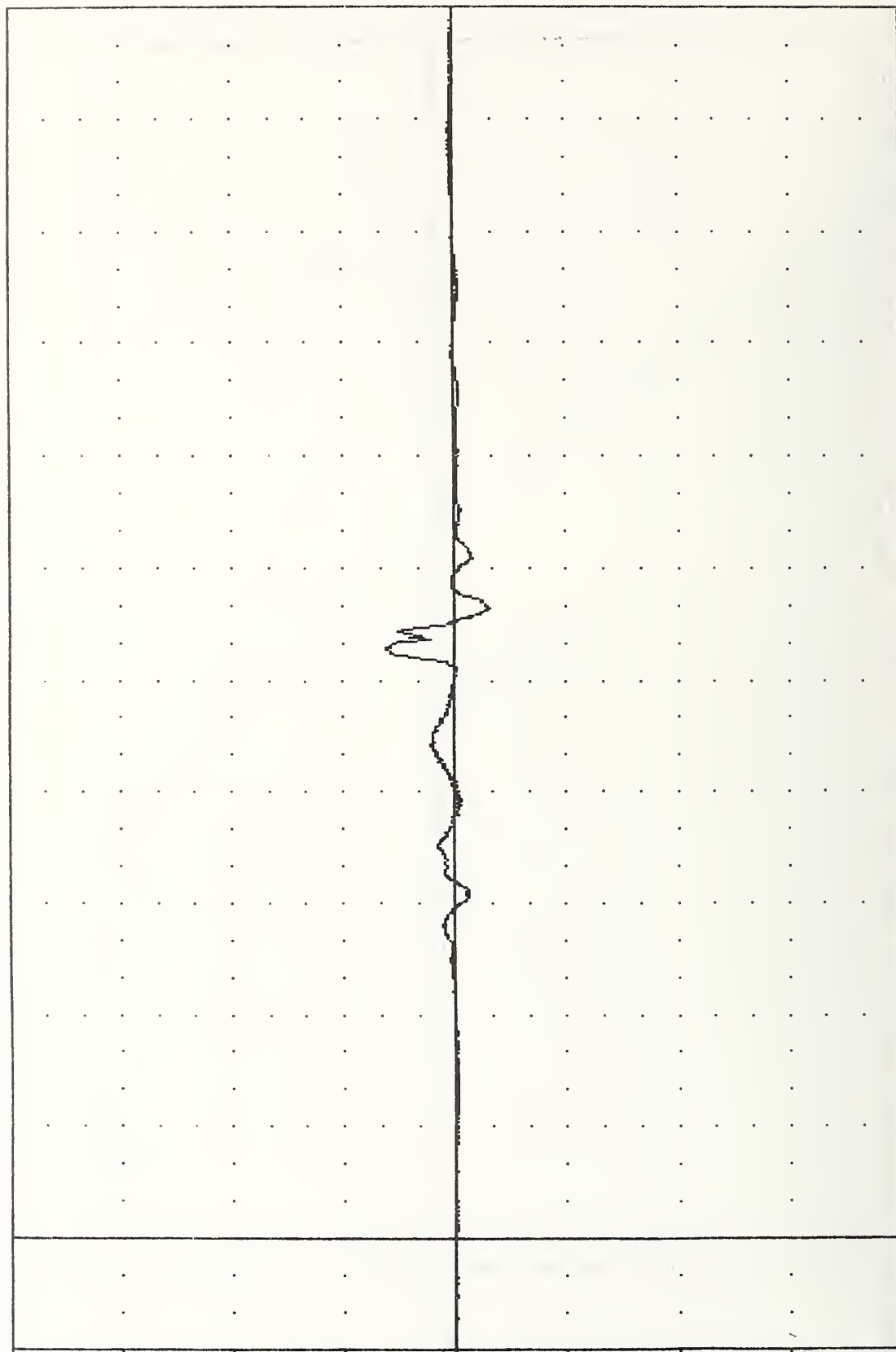
VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 HDZG61

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -15.33g 113.00g 31.36g 105.63

ACCELERATION (G)



TIME (MSEC)

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

DRIVER HEAD ACCELERATION Z AXIS

VRIC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 CSTXG1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.13e 76.75 , 6.22 e 156.63

100.00

75.00

50.00

25.00

0.00

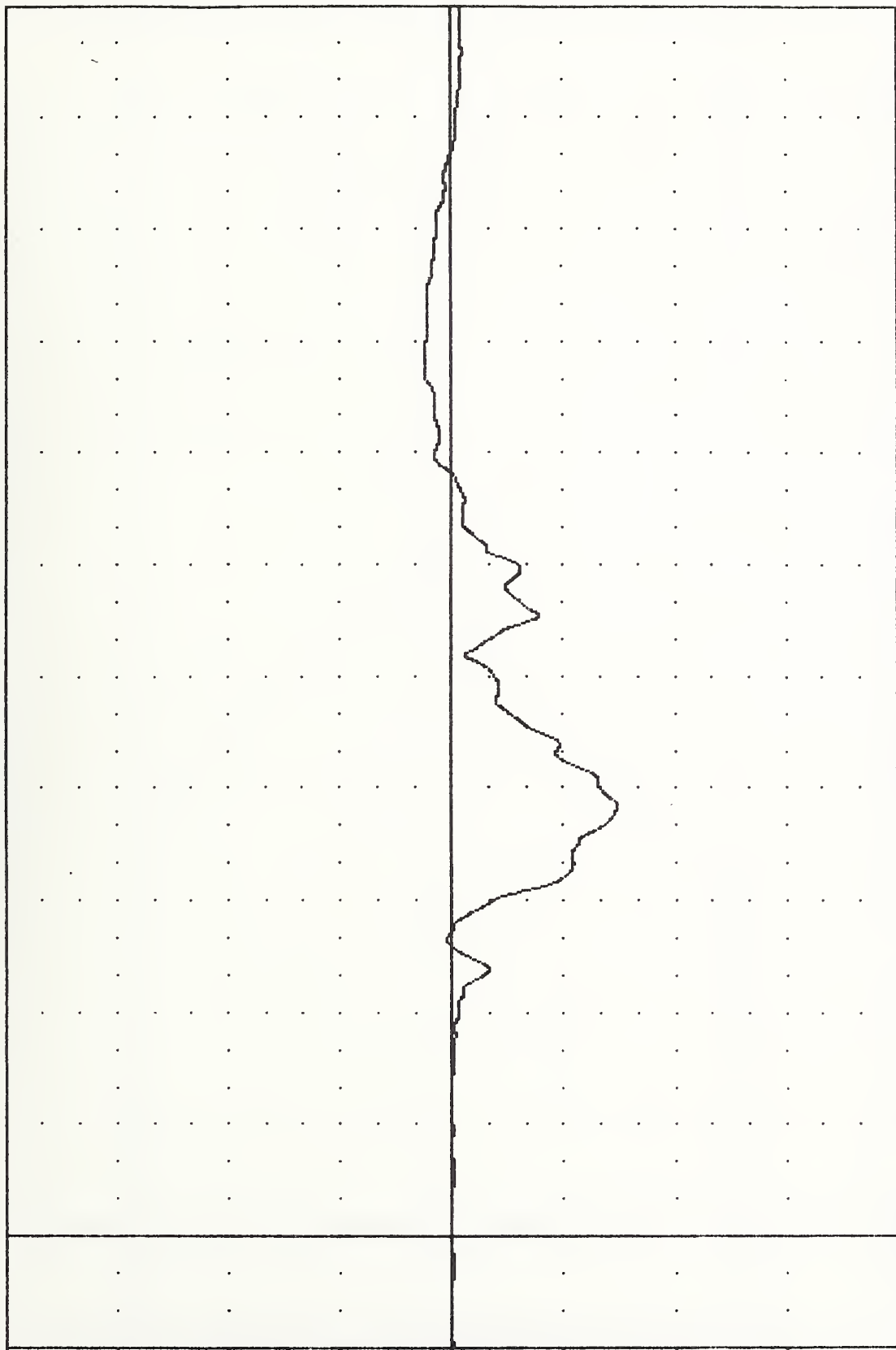
-25.00

-50.00

-75.00

-100.00

ACCELERATION (G)



TIME (MSEC)

220.00

200.00

180.00

160.00

140.00

120.00

100.00

80.00

60.00

40.00

20.00

0.00

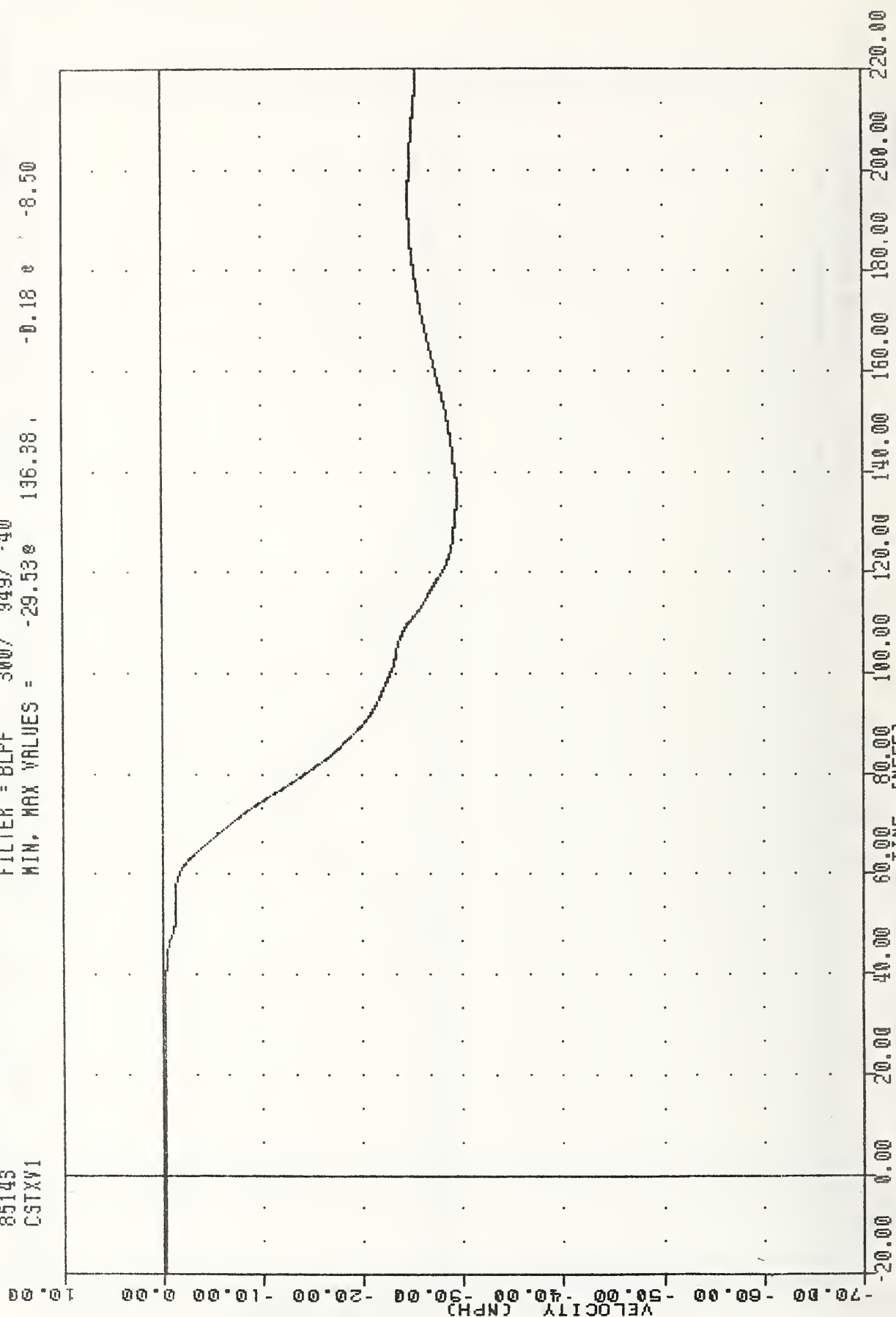
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85143
CSTXY1

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -29.53° 136.38 , -0.18 e -8.50



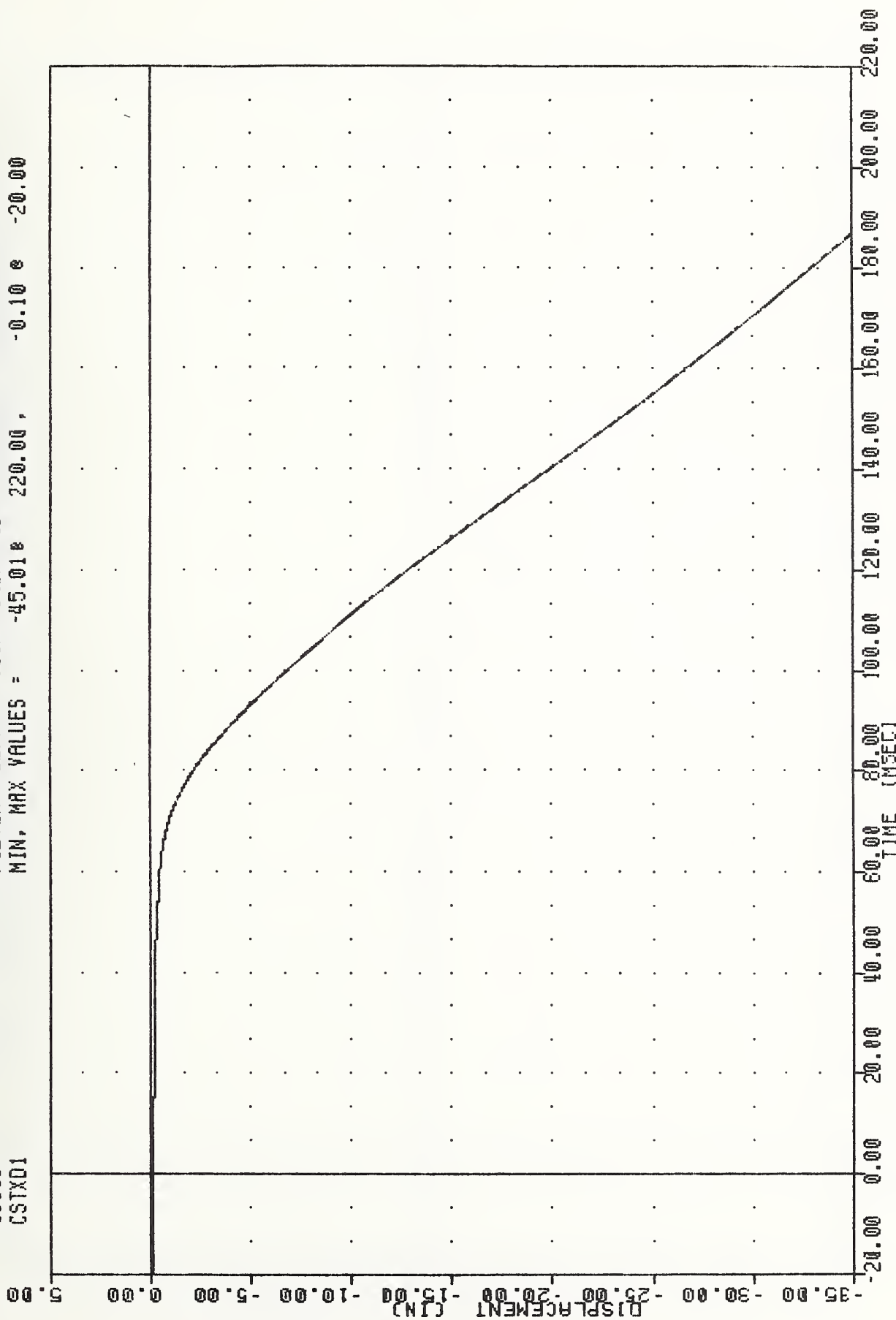
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
CSTXD1

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -45.018 220.00, -0.108 -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VATC , RD384-4-38
 BASED AIRBAG SLED PROGRAM
 85143
 CSTY61

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -1.78e 181.63, 28.81 e 118.00

100.00

75.00

50.00

25.00

0.00

ACCELERATION (G)

-25.00

-50.00

-75.00

-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
 DRIVER CHEST ACCELERATION Y AXIS

VRTC , R0384-4-38
BREED AIRBAG SLED PROGRAM
85143
CSTZ61

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES =

-6.56

78.38,

5.13

112.13

100.00

75.00

50.00

25.00

0.00

-25.00

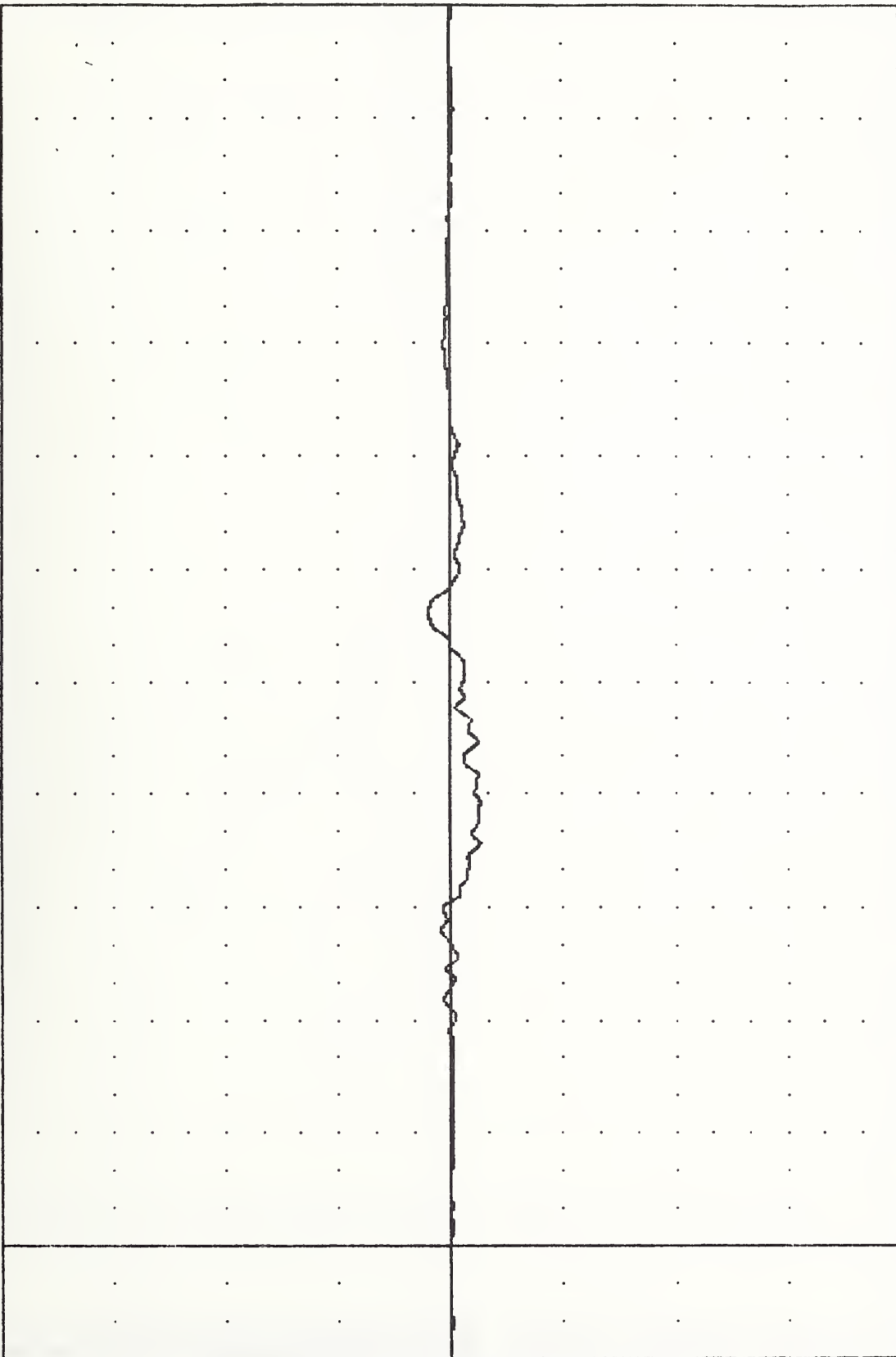
-50.00

-75.00

-100.00

-125.00

-150.00



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 Z AXIS

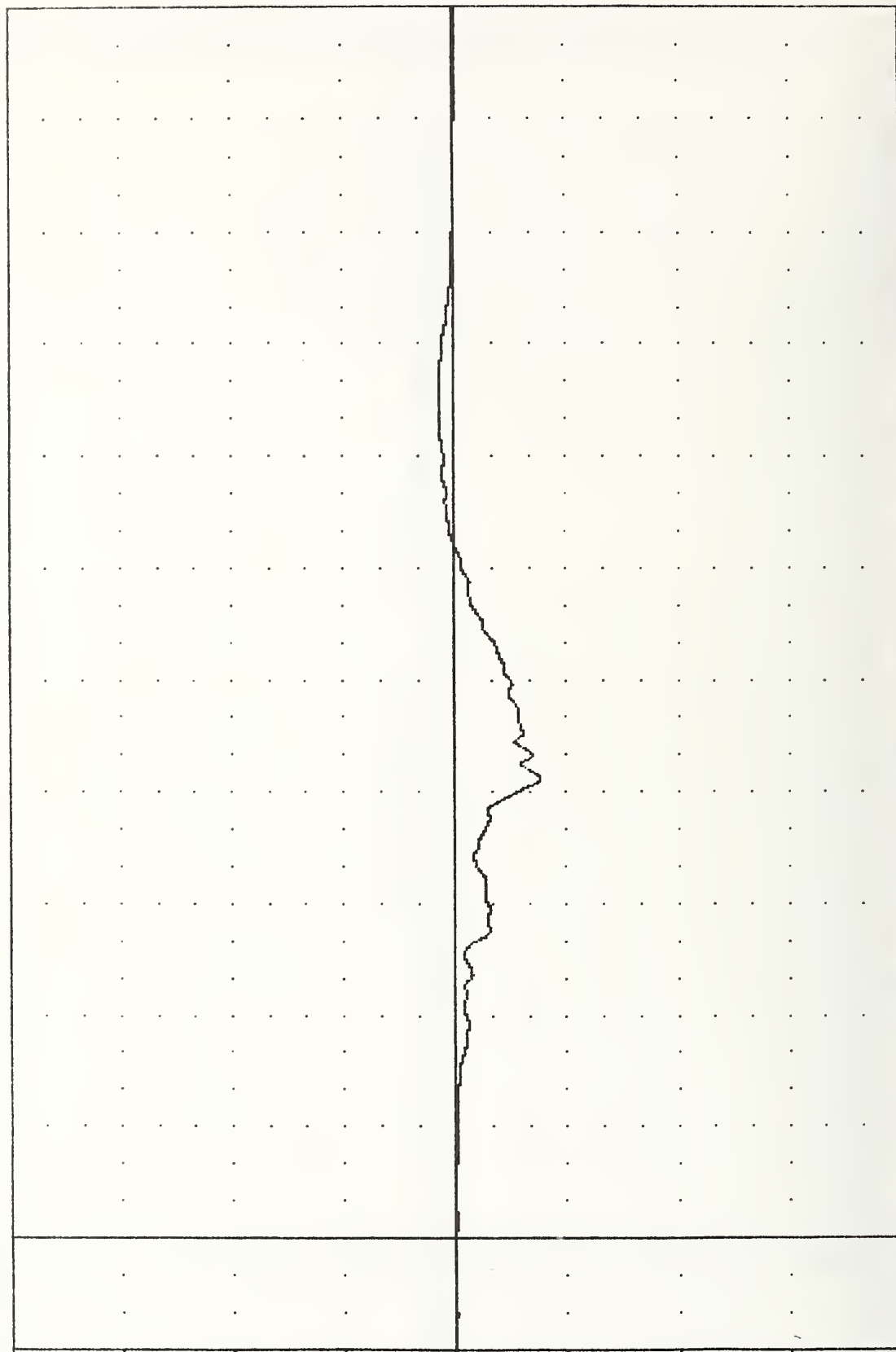
VRTC , R0384-A-38
BREED AIRBAG SLED PROGRAM
85143
PEVXG1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.23 82.38 7.15 149.63

ACCELERATION (G)



TIME (msec)

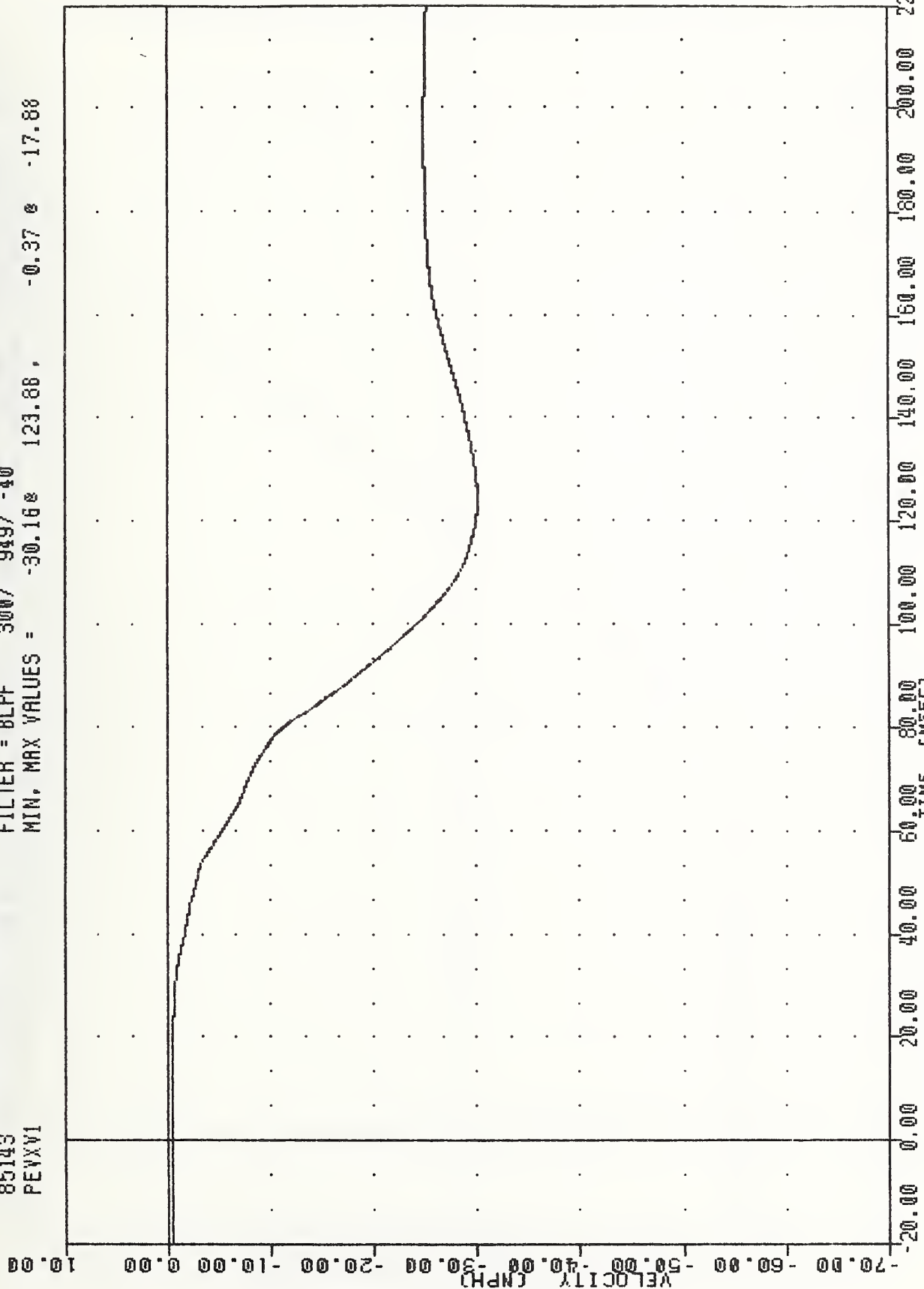
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 PEVXV1

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -30.168 123.88, -0.37 0 -17.88



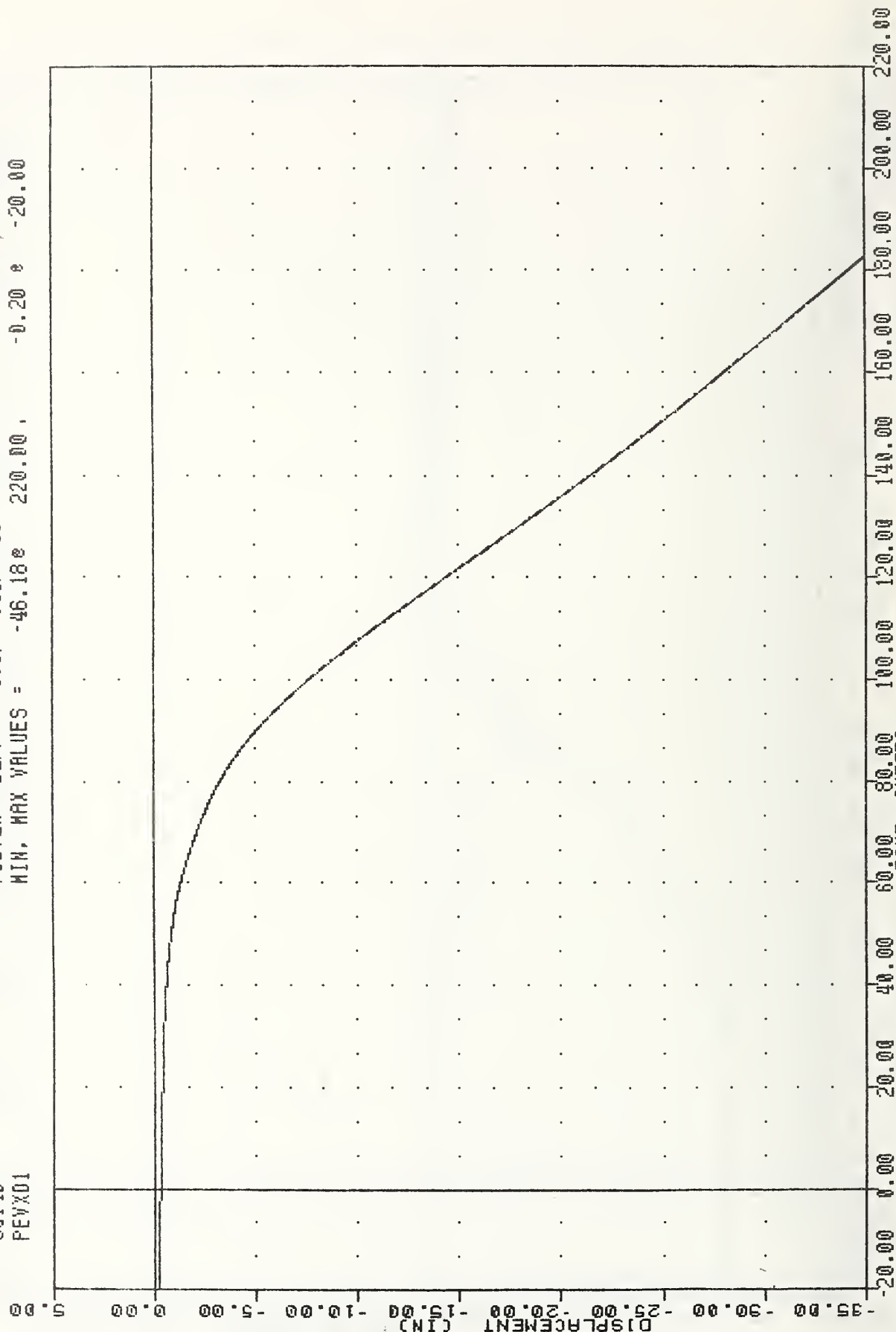
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 PEVX01

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -46.18e 220.00 , -0.20 e -20.00



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

DELTA X USING PEVXV1

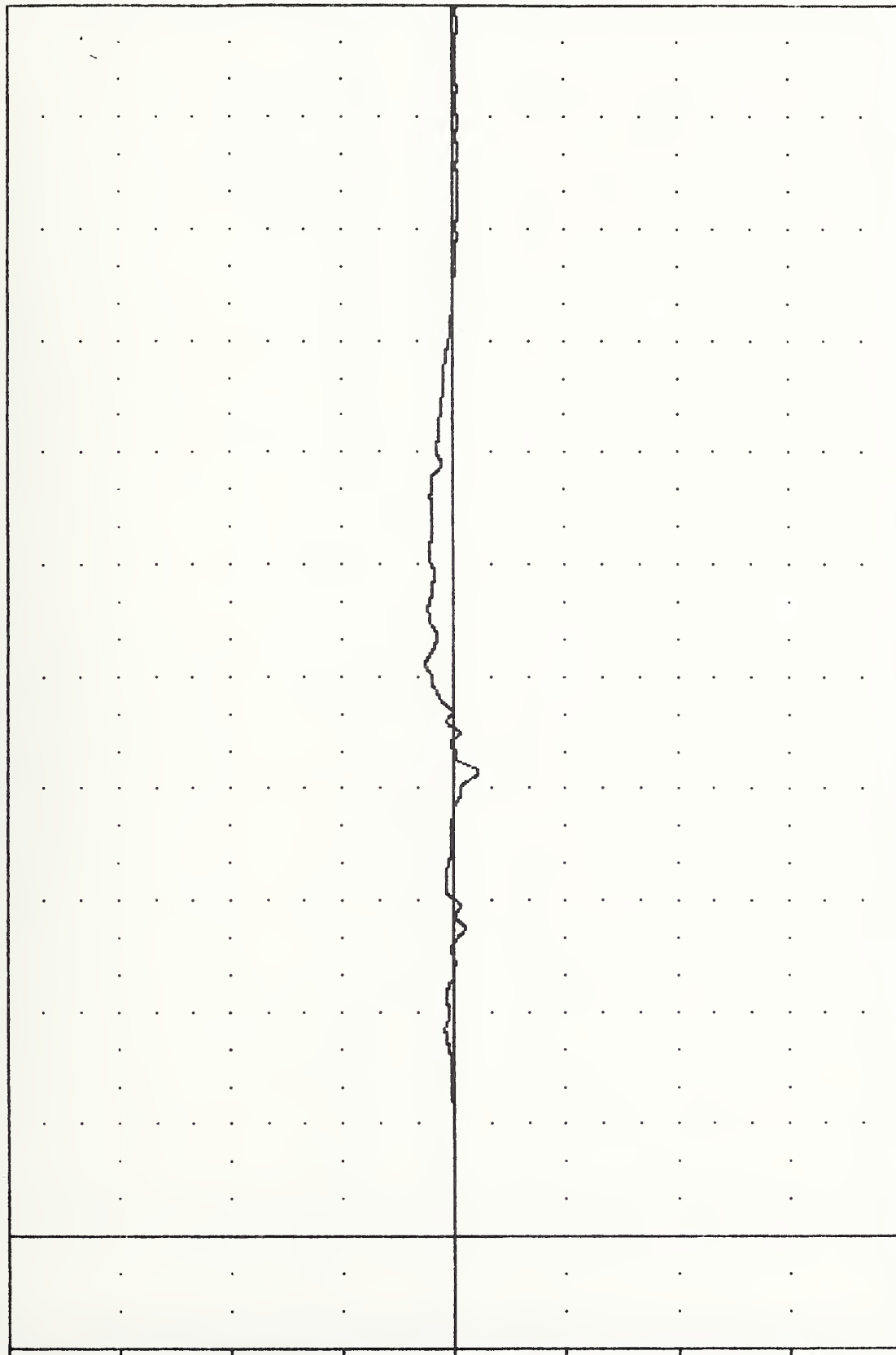
VRTC , RD384-4-38
BRAED AIRBAG SLED PROGRAM
85143
PEYVG1

PLOT DATE 24-MAY-85 11:22:24

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -10.78e 82.88, 12.76 e 102.00

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)

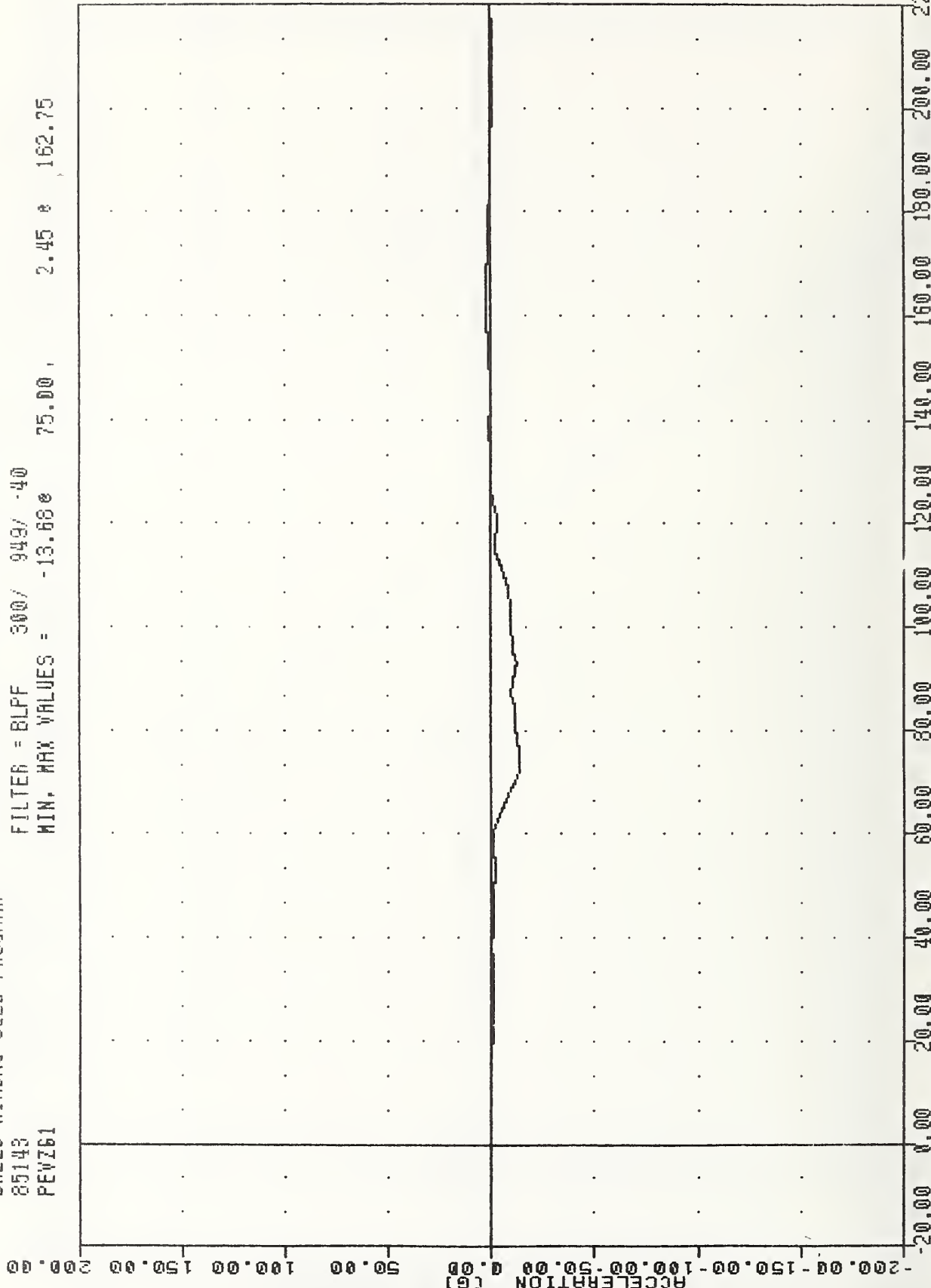
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRIC , R0384-4-38
BREED AIRBAG SLED PROGRAM
85143
PEVZ61

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -13.680 75.00 , 2.45 * 162.75

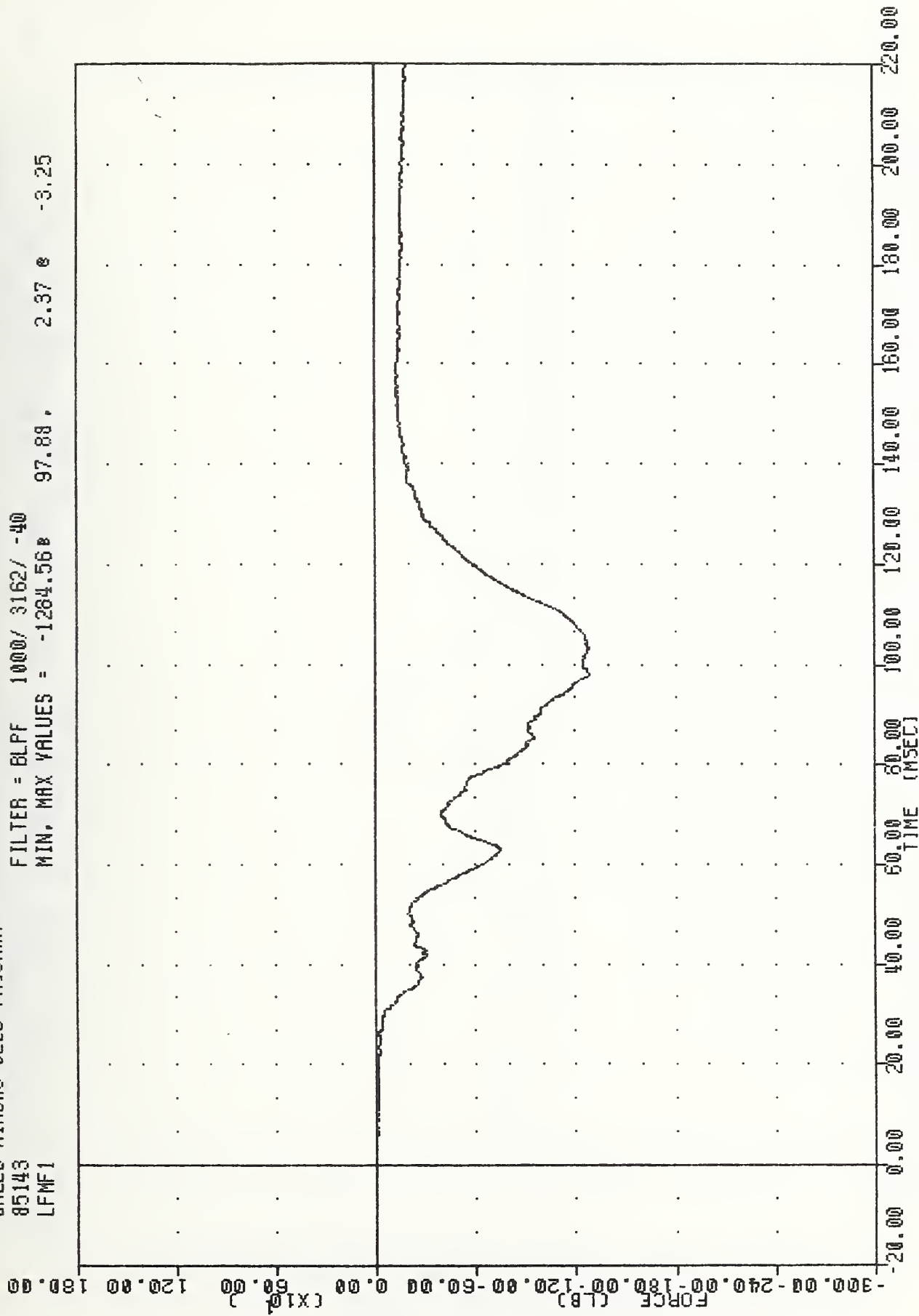


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Z AXIS

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
LFMF1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -1284.56 97.88 , 2.37 e -3.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

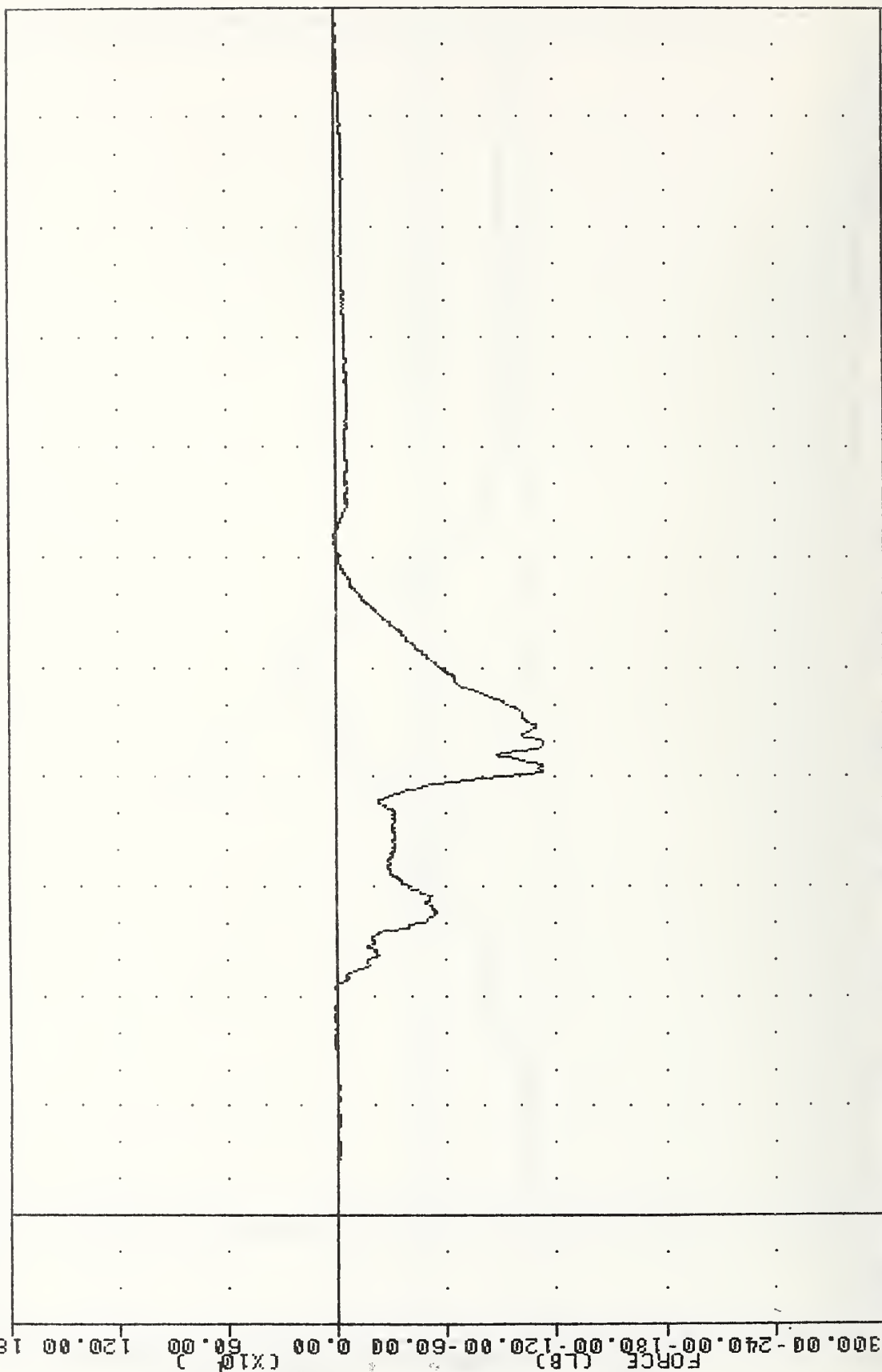
WRIC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
RFNF1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 100N/ 3162/ -40

MIN, MAX VALUES = -1130.57e 82.00, 17.19 e 123.75

FORCE (LB)
(x10³)



-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

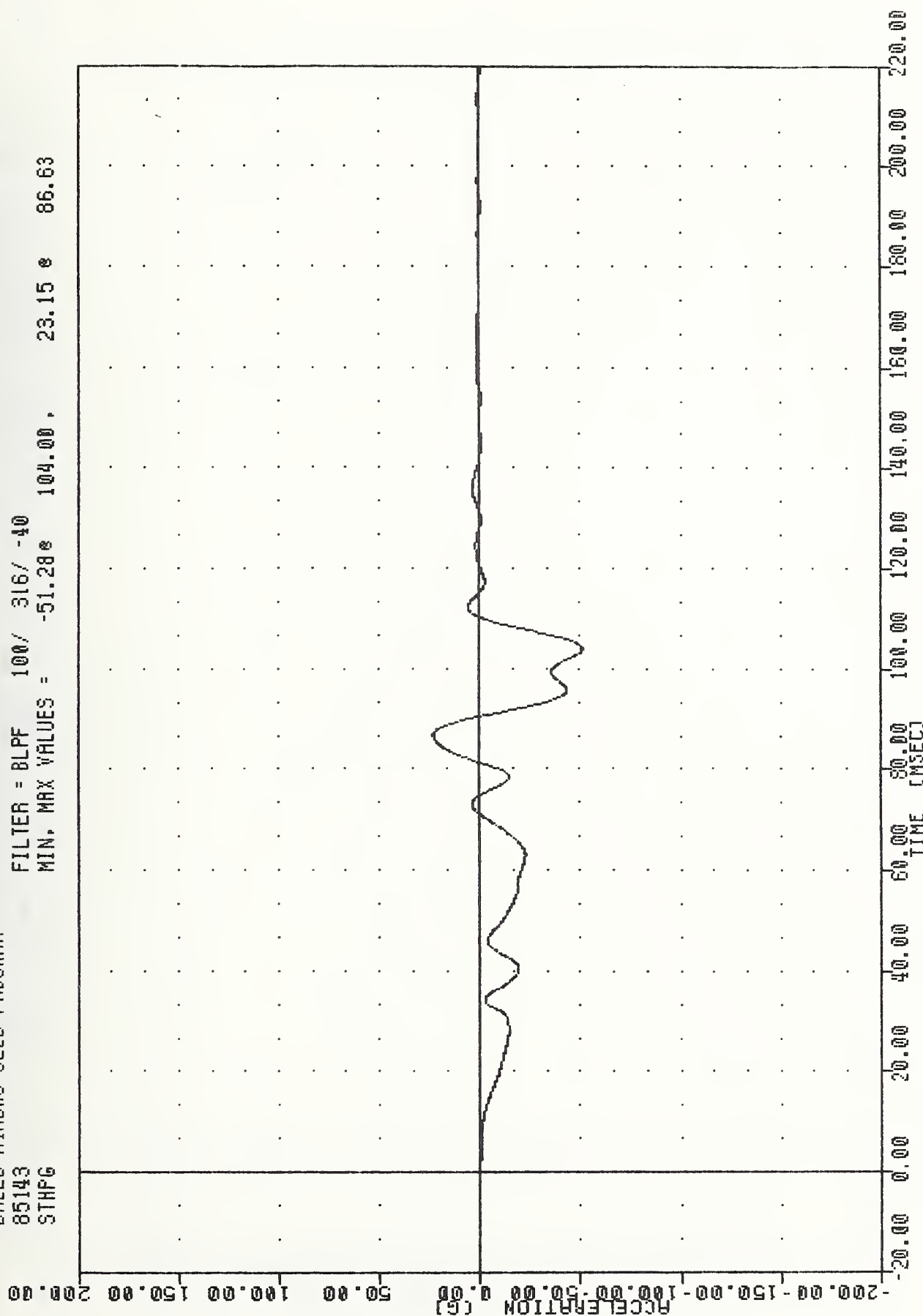
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
STHFG

PLOT DATE 24-MAY-85 11:22:24

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -51.28 104.00 , 23.15 86.63

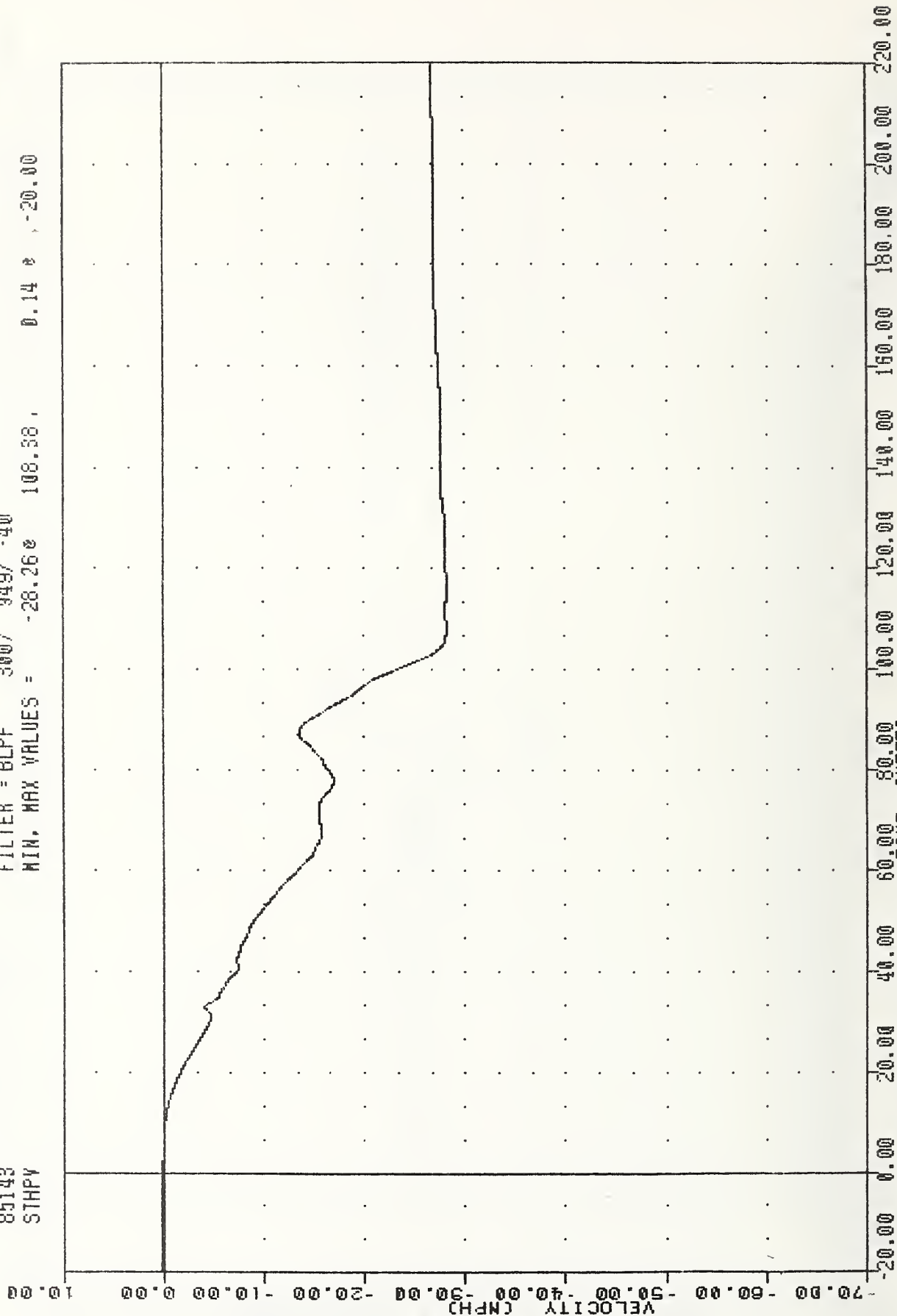


WRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 STHPY

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -28.26 e 108.38 , 0.14 e , -20.00

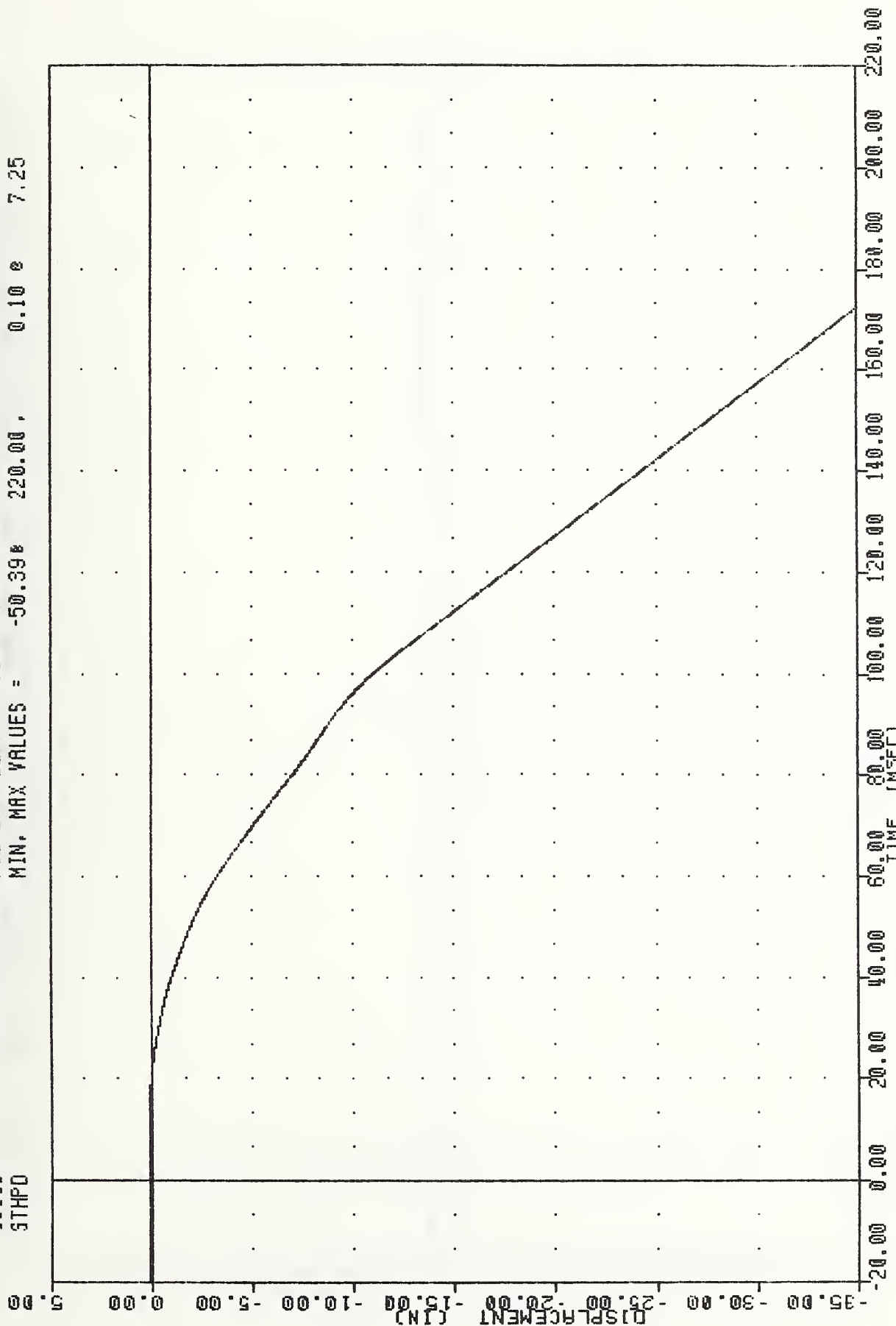


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING STHPG

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
STHPO

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -50.39% 220.00, 0.10 e 7.25



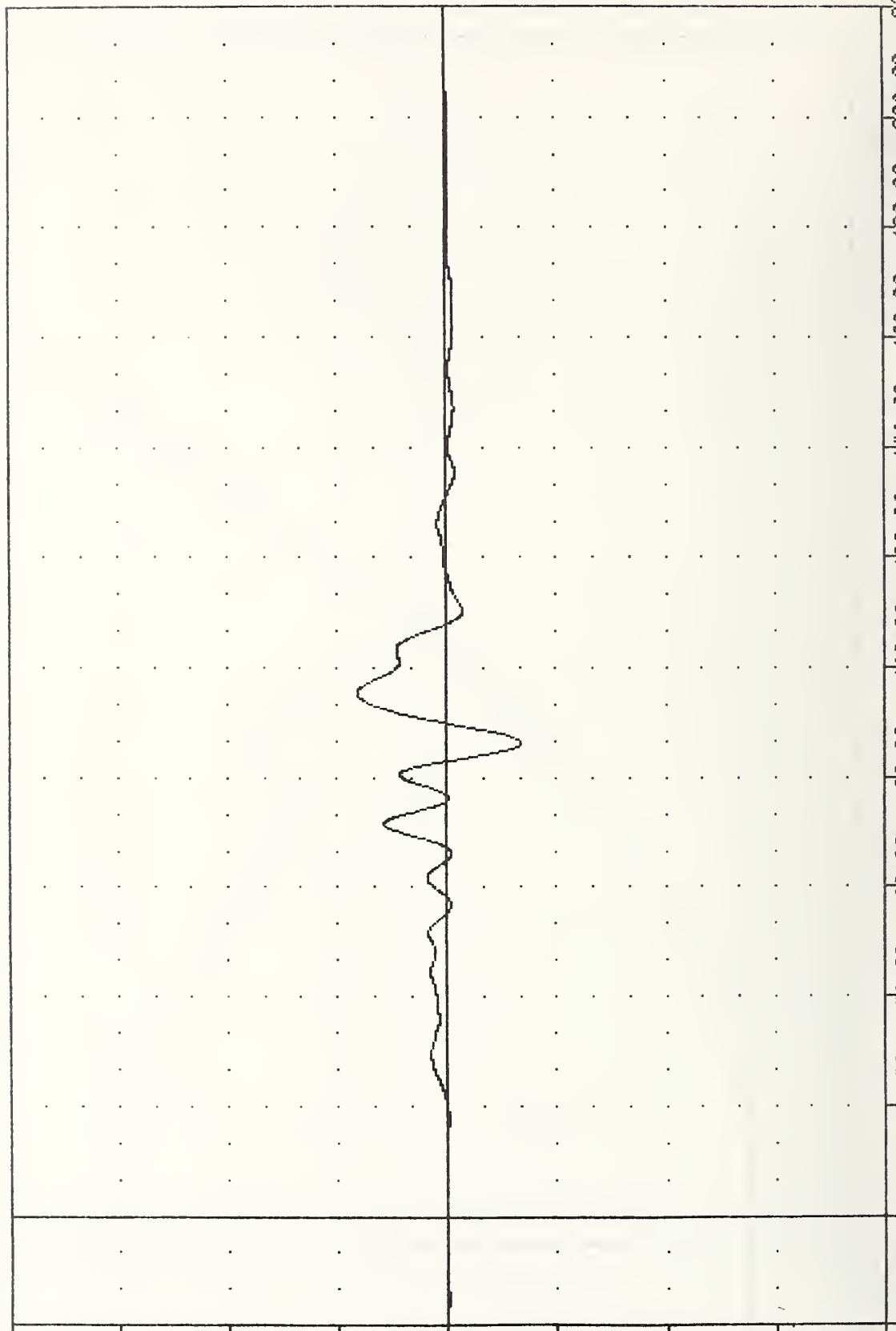
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

VRATC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
STH16

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -34.15 86.38 , 40.89 95.38

ACCELERATION (G)



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

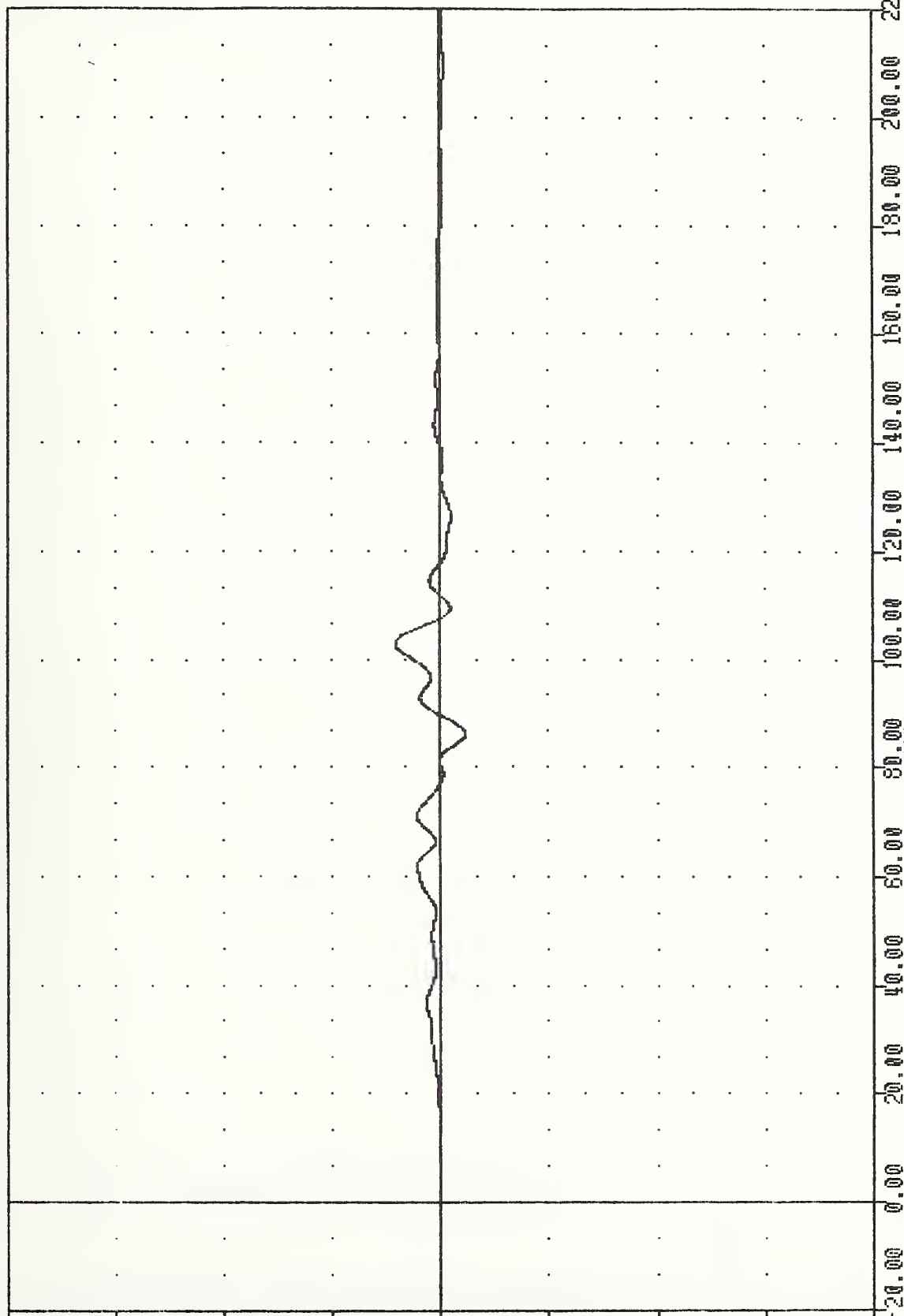
VRTC , R0384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 STHLG

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -11.428 86.13, 20.77 @ 102.75

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)

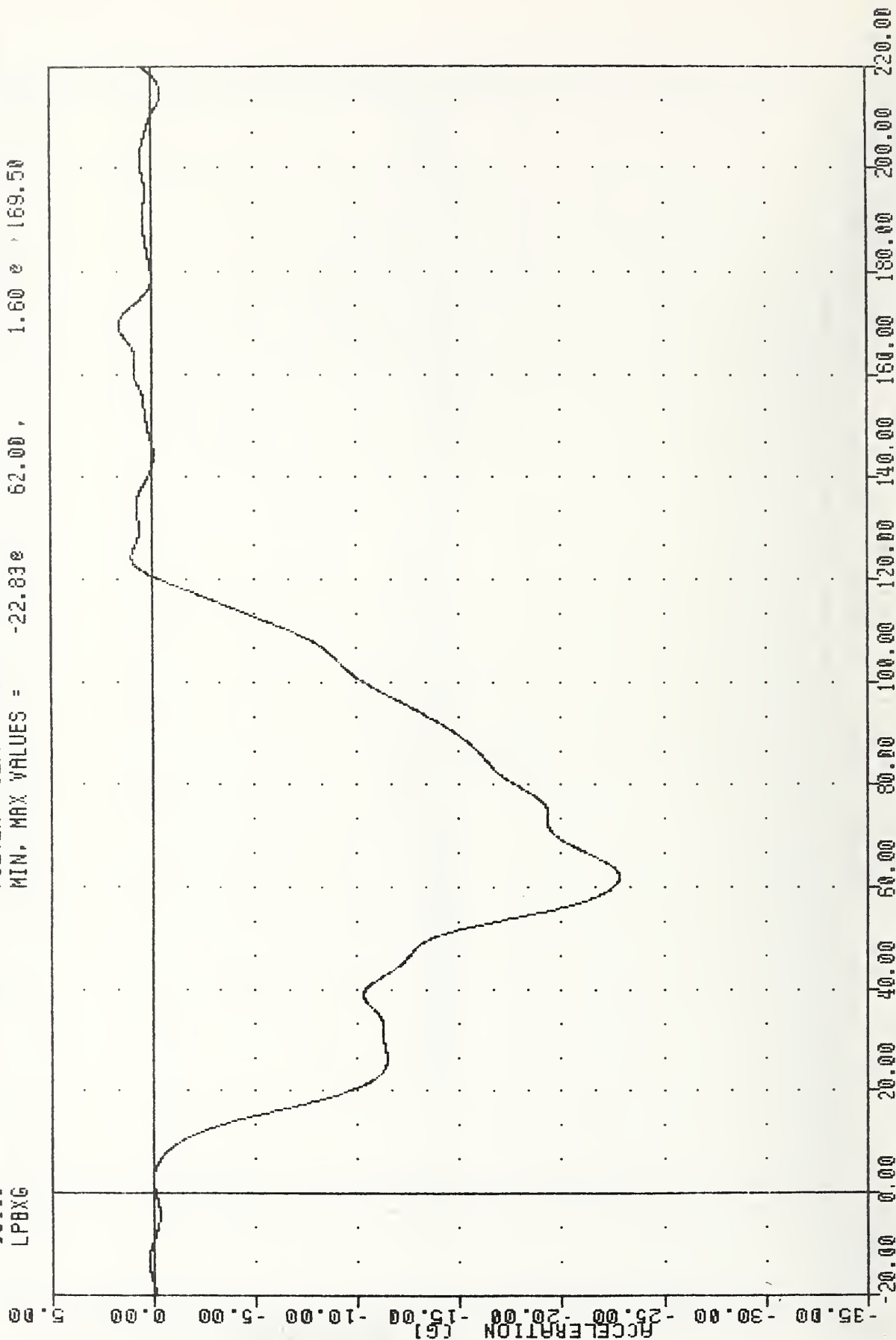
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION M-L AXIS

VRIC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 LPBXG

PLOT DATE 24-MAY-85 11:22:24

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -22.83e 62.00, 1.60 e 169.50



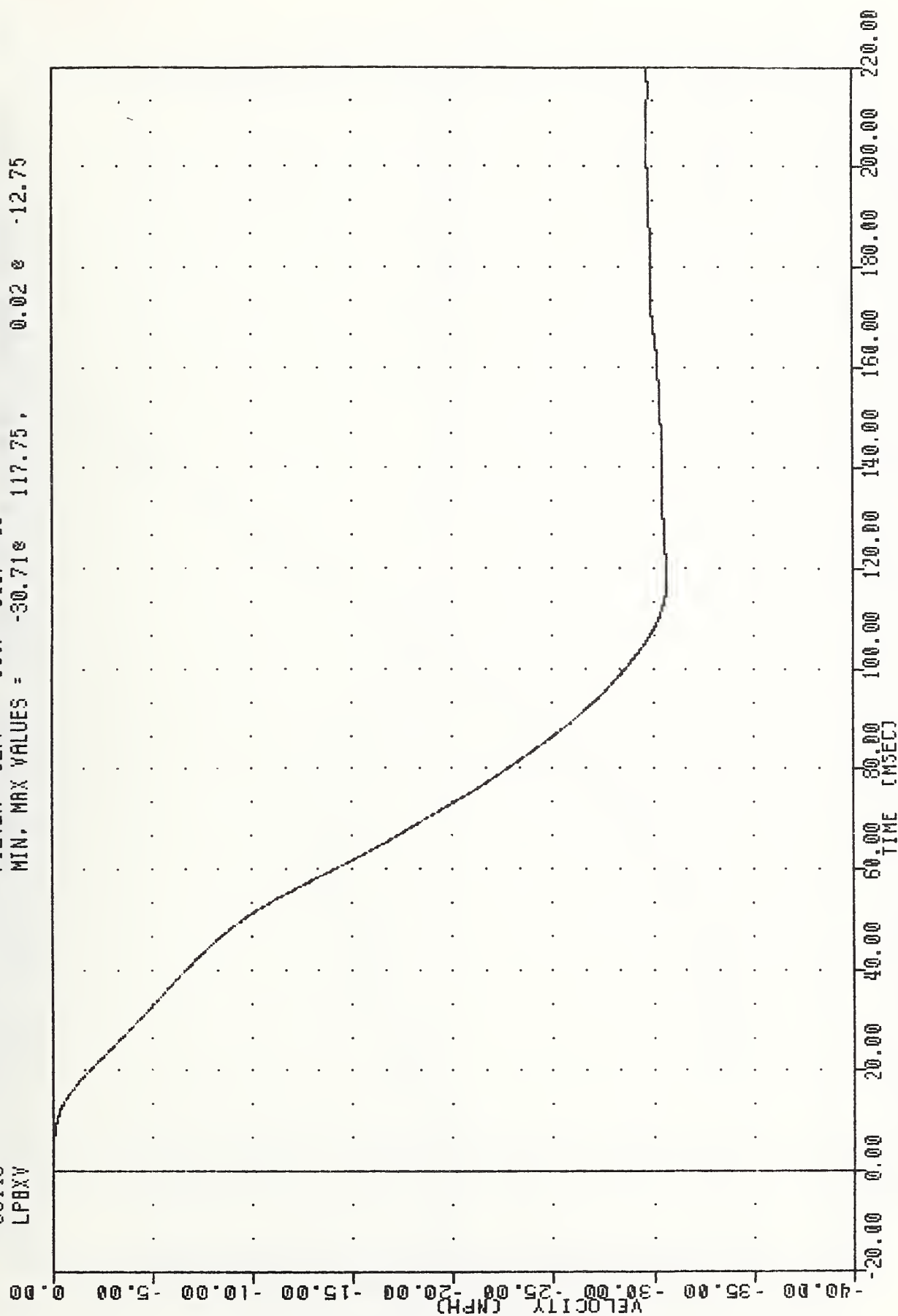
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
LPBXV

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -30.71e 117.75, 0.02 e -12.75



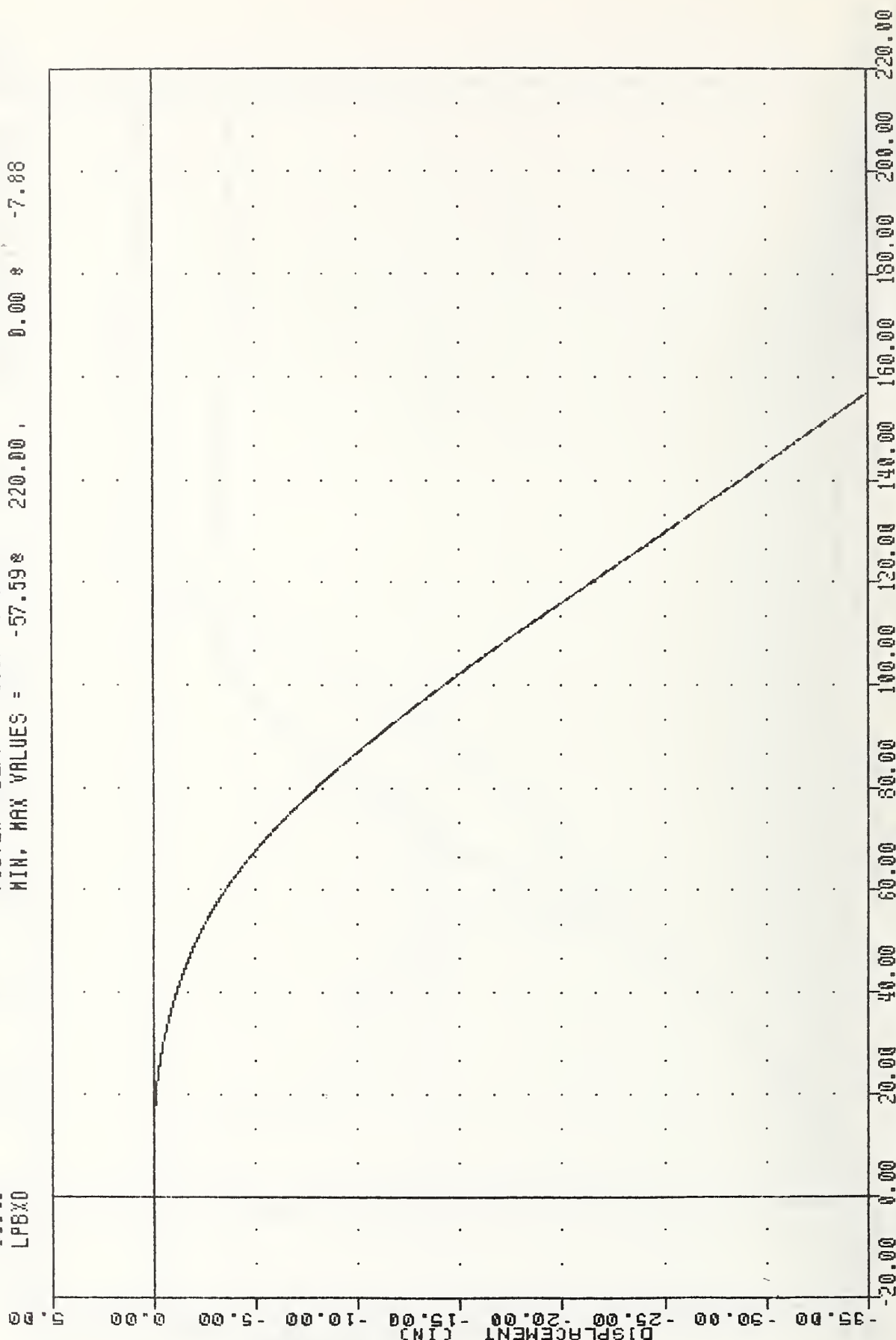
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRTC
 BREED AIRBAG SLED PROGRAM
 85143
 LPBX0

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -57.59s 220.00 , 0.00 s -7.88



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

DELTA X USING LPBXV

VRTC RD384-4-38 PLOT DATE 24-MAY-85 11:22:24

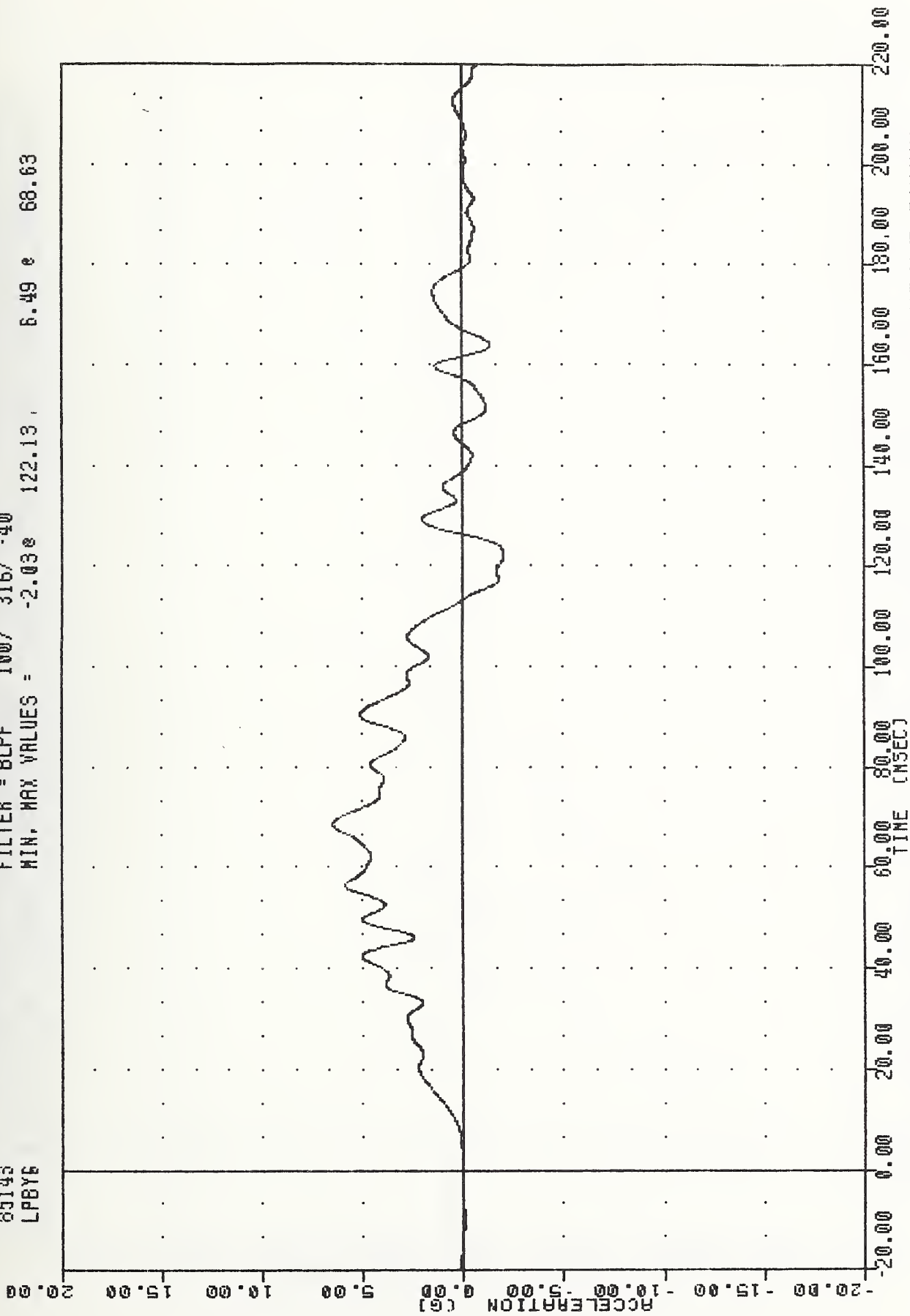
BREED AIRBAG SLED PROGRAM

85143

LPBYE

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.03e 122.13 6.49 e 68.63



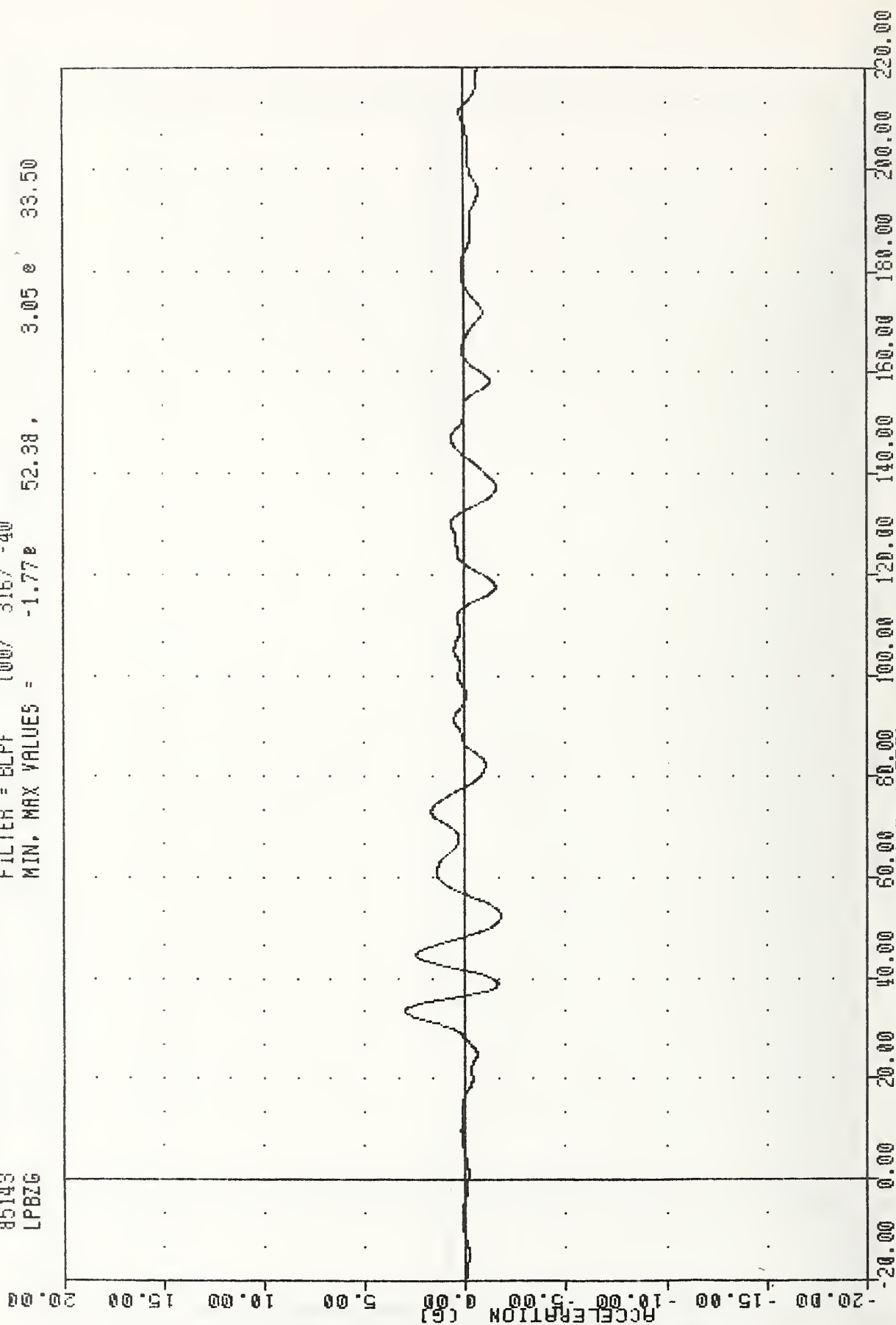
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC 80384-4-38
BREED AIRBAG SLED PROGRAM
85143
LPBZG

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.77e 52.38, 3.05 e 33.50



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

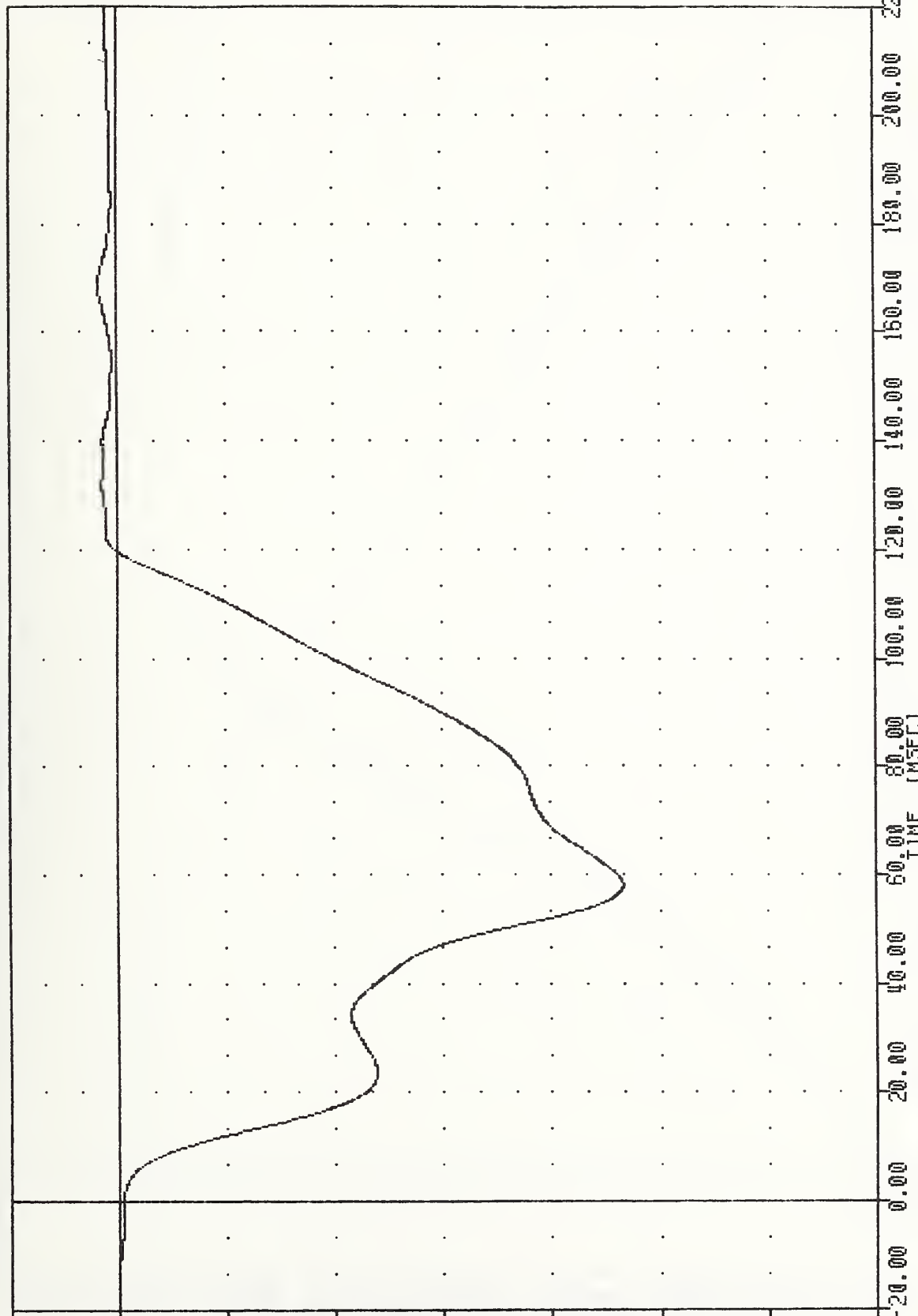
VRTC , R0384-4-38
BREED AIRBAG SLED PROGRAM
85143
SLDX6

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -23.31 58.00 0.86 168.50

ACCELERATION (G)



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

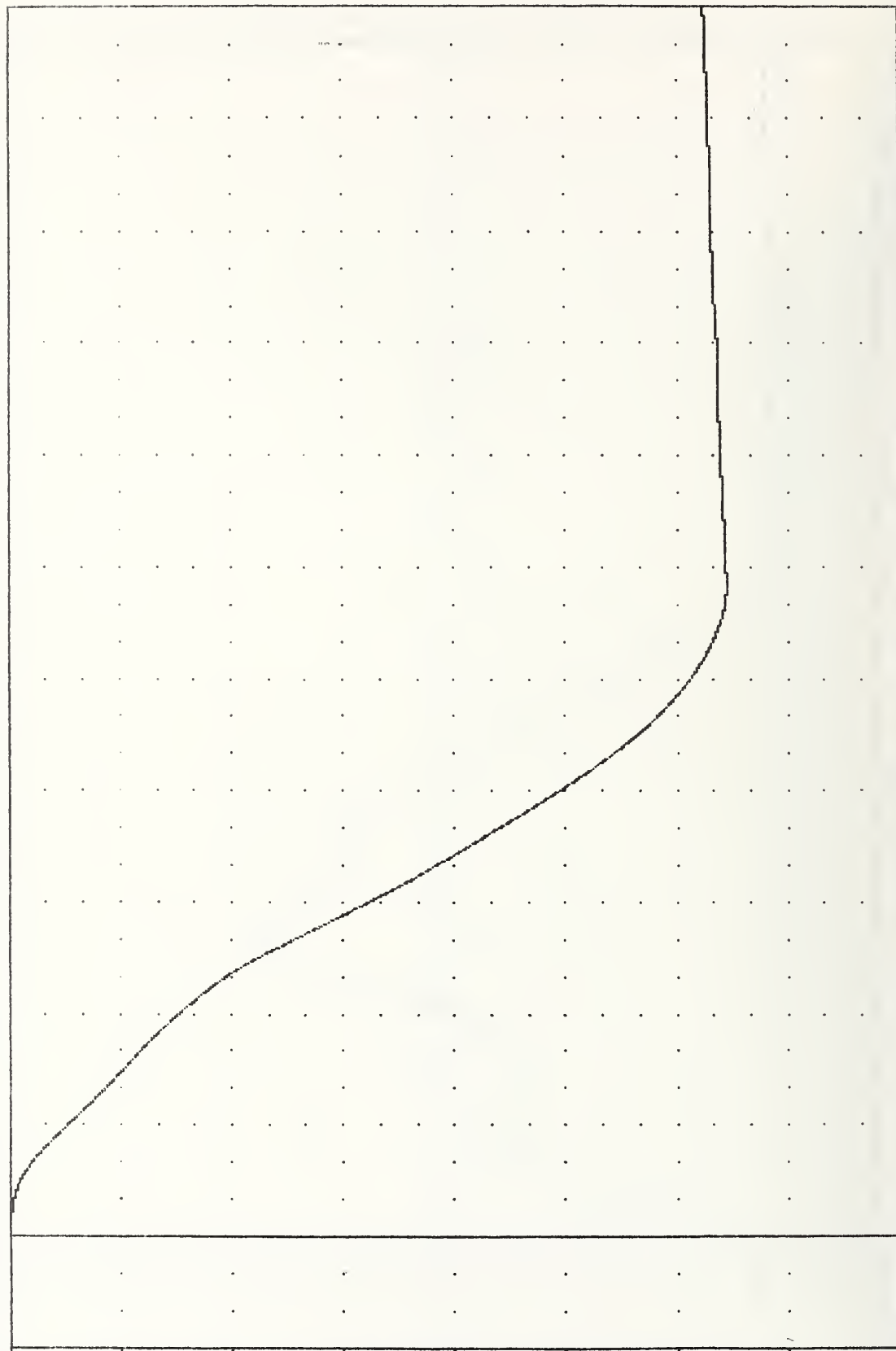
VRTC , 60384-4-36
BREED AIRBAG SLED PROGRAM
85143
SLOXVI

PLOT DATE 24-MAY-85 11:24:40

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -32.23 116.63, 0.04 0.00 -16.50

VELOCITY (MPH)



TIME (MSEC)

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

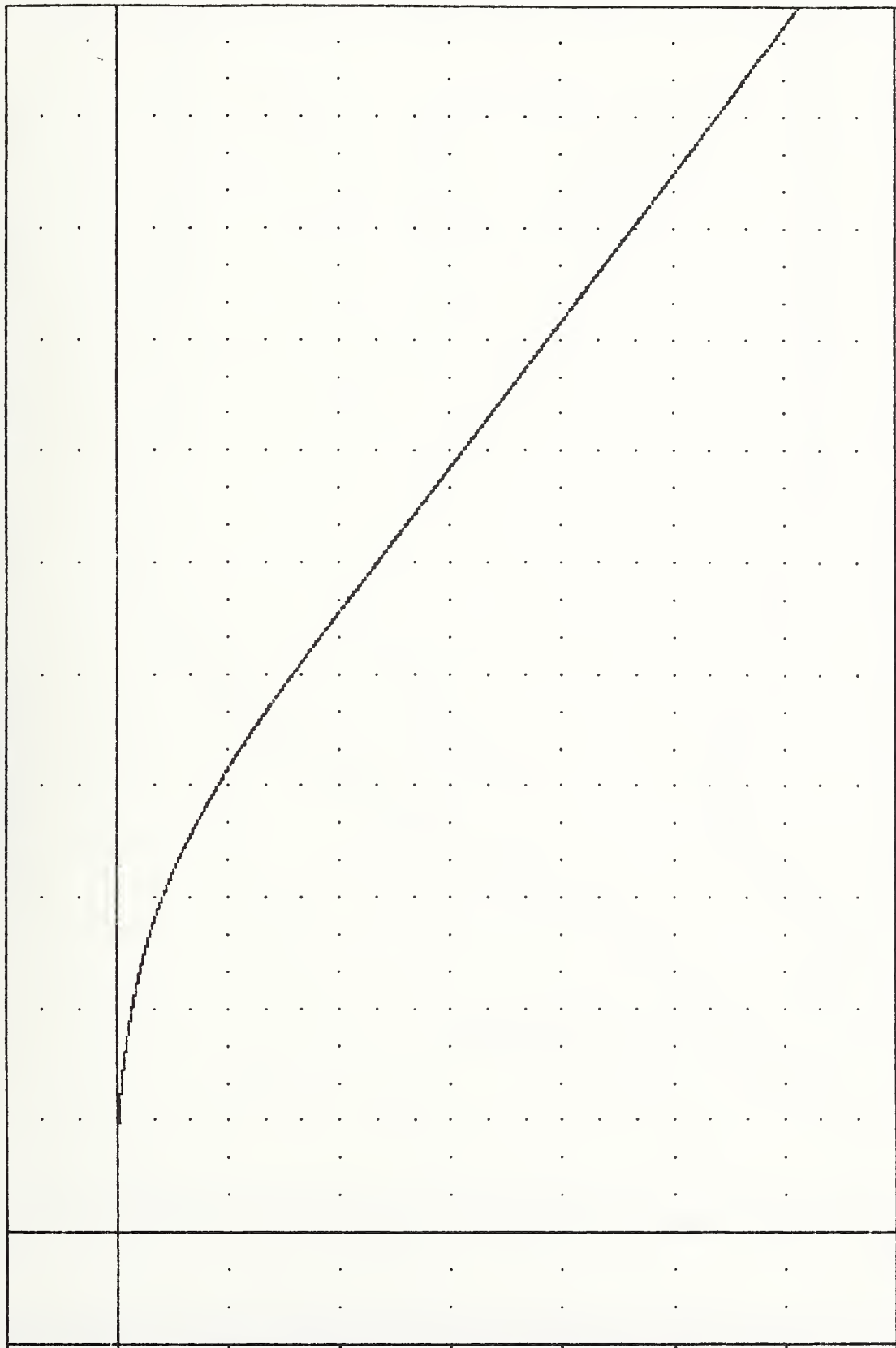
VRIC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 SLOXD

PLOT DATE 24-MAY-85 11:24:10

FILTER = 6LPF 300/ 919/ -40

MIN, MAX VALUES = -61.47e 220.00, 0.02 e -4.50

DISPLACEMENT (IN)



TIME (MSEC)

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

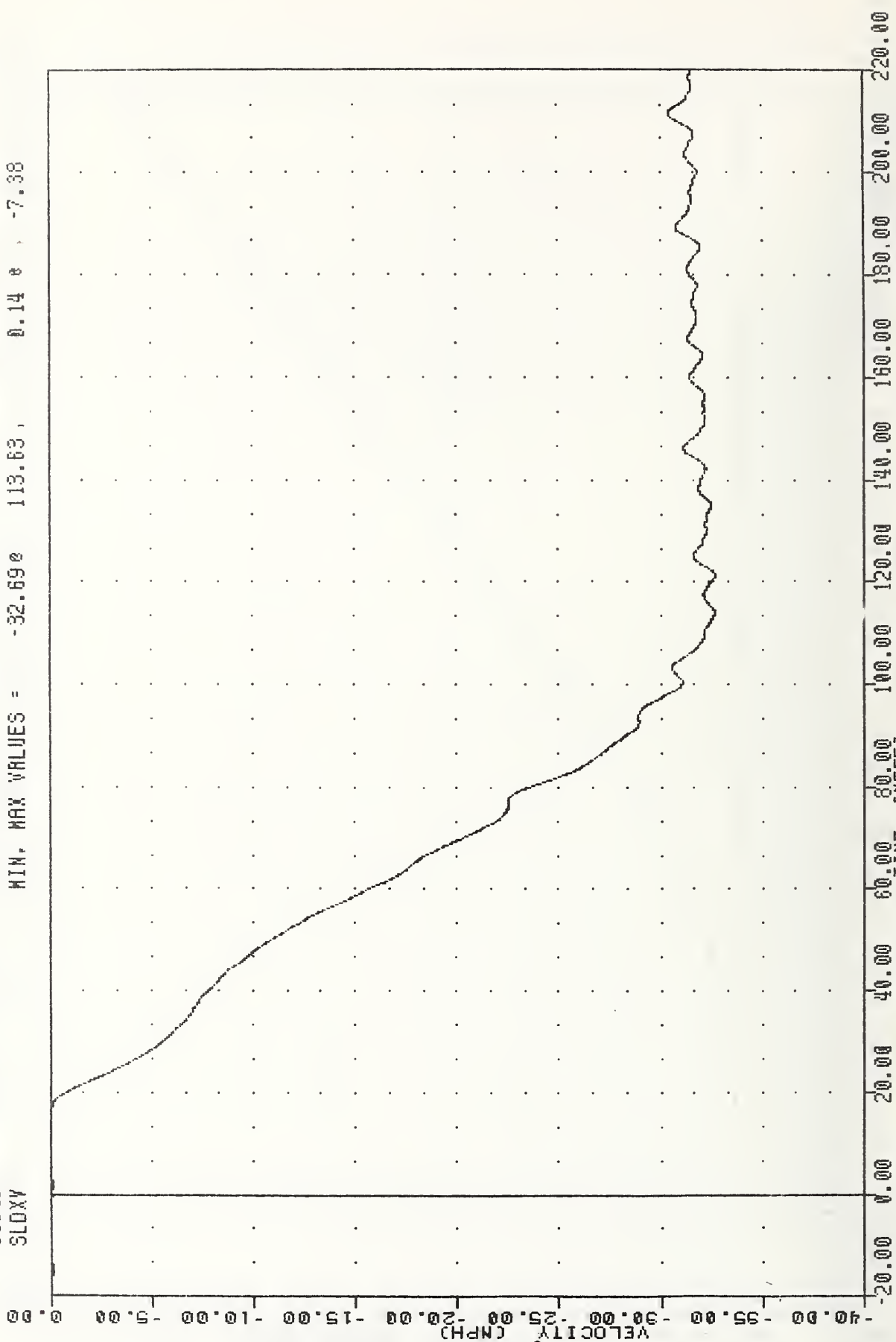
DELTA X USING SLOXVI

VATIC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 SLOXY

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 100/ 316/ 40

MIN. MAX VALUES = -32.690 113.63 , 0.14 e , -7.38



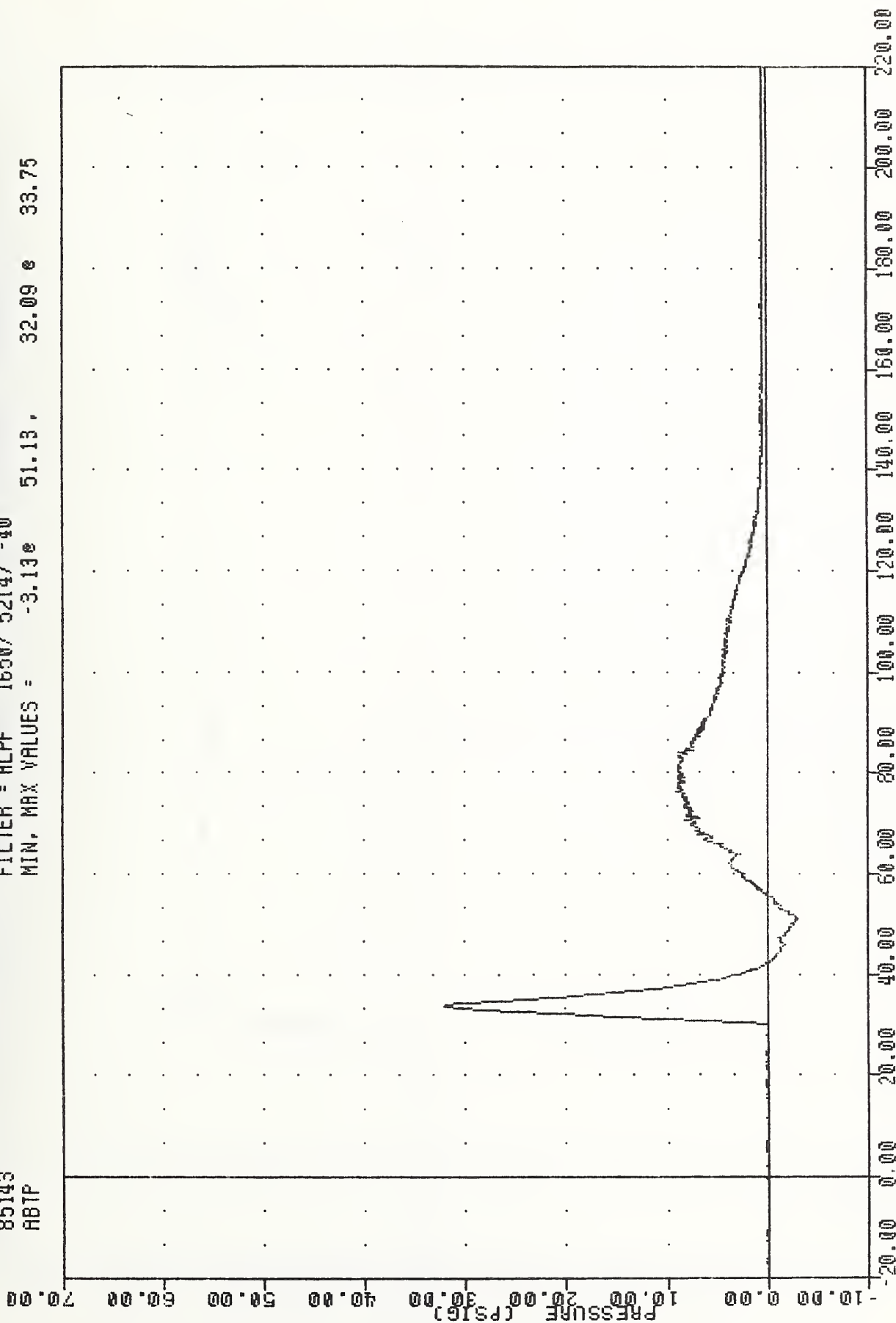
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 SLED VELOCITY (CHRYSLER)

VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 ABTP

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.13e 51.13, 32.09 e 33.75



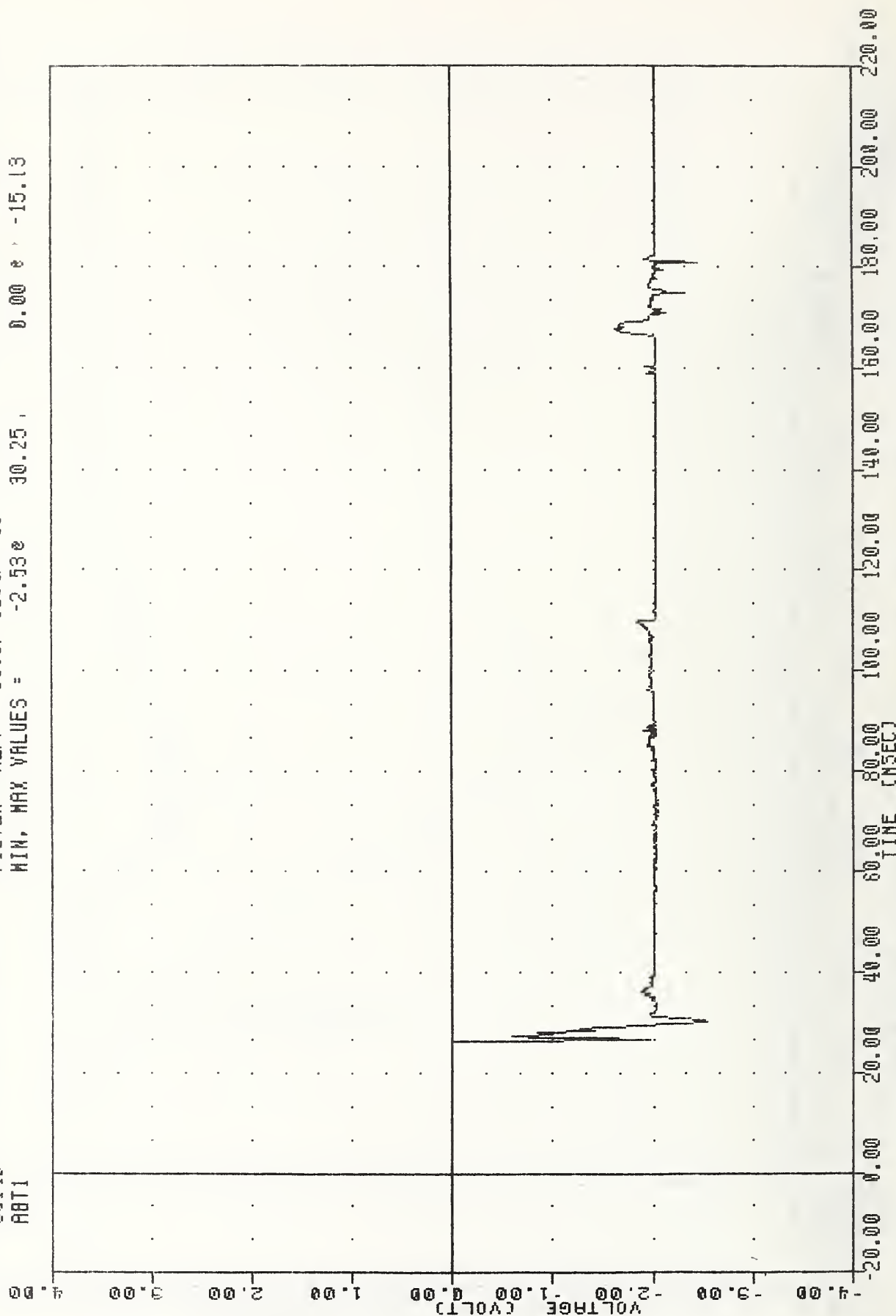
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
ABT1

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -2.53e 30.25, 0.00e -15.13



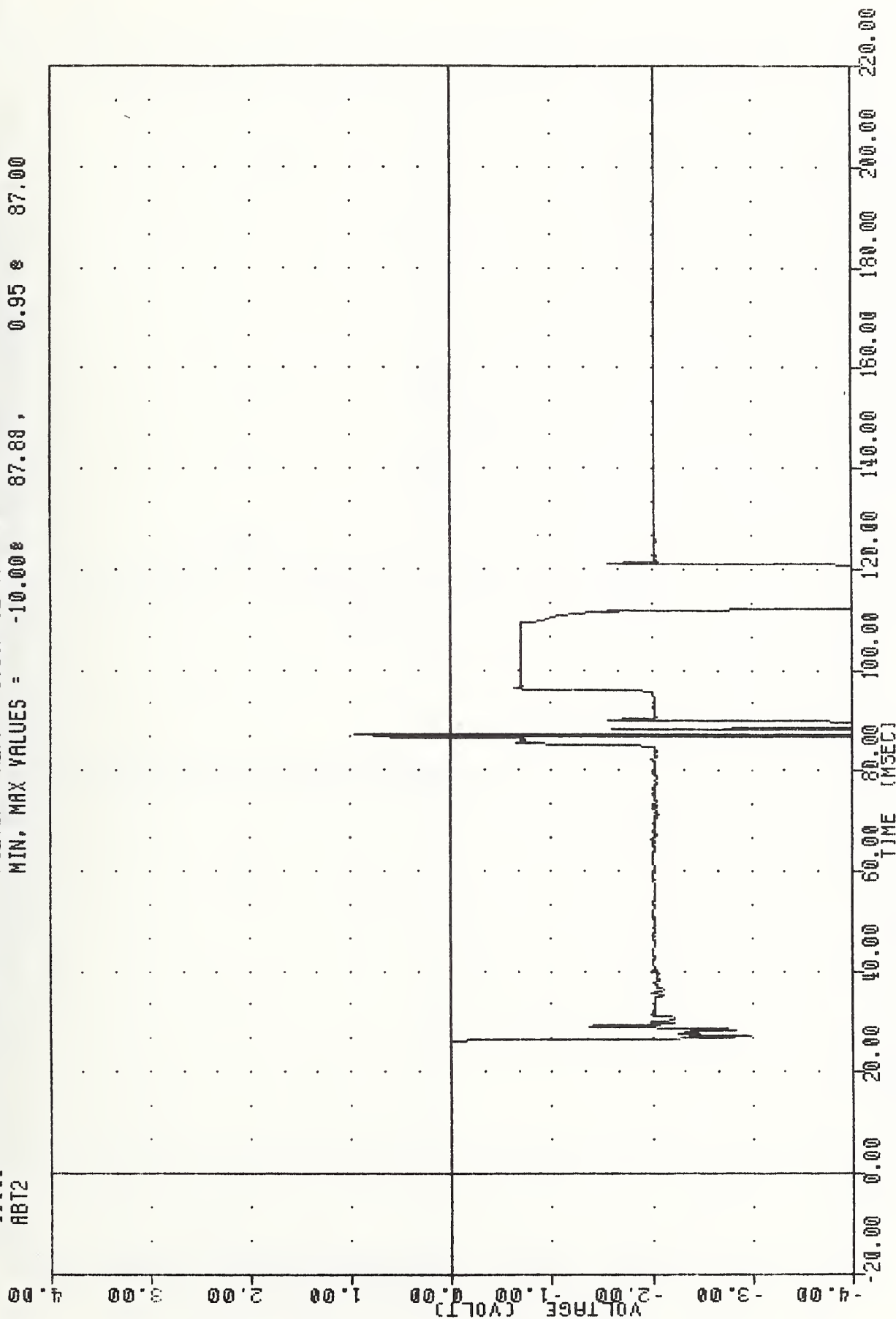
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRTC , RD384-4-88
BREED AIRBAG SLED PROGRAM
85143
ABT2

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -10.00e 87.88, 0.95 e 87.00



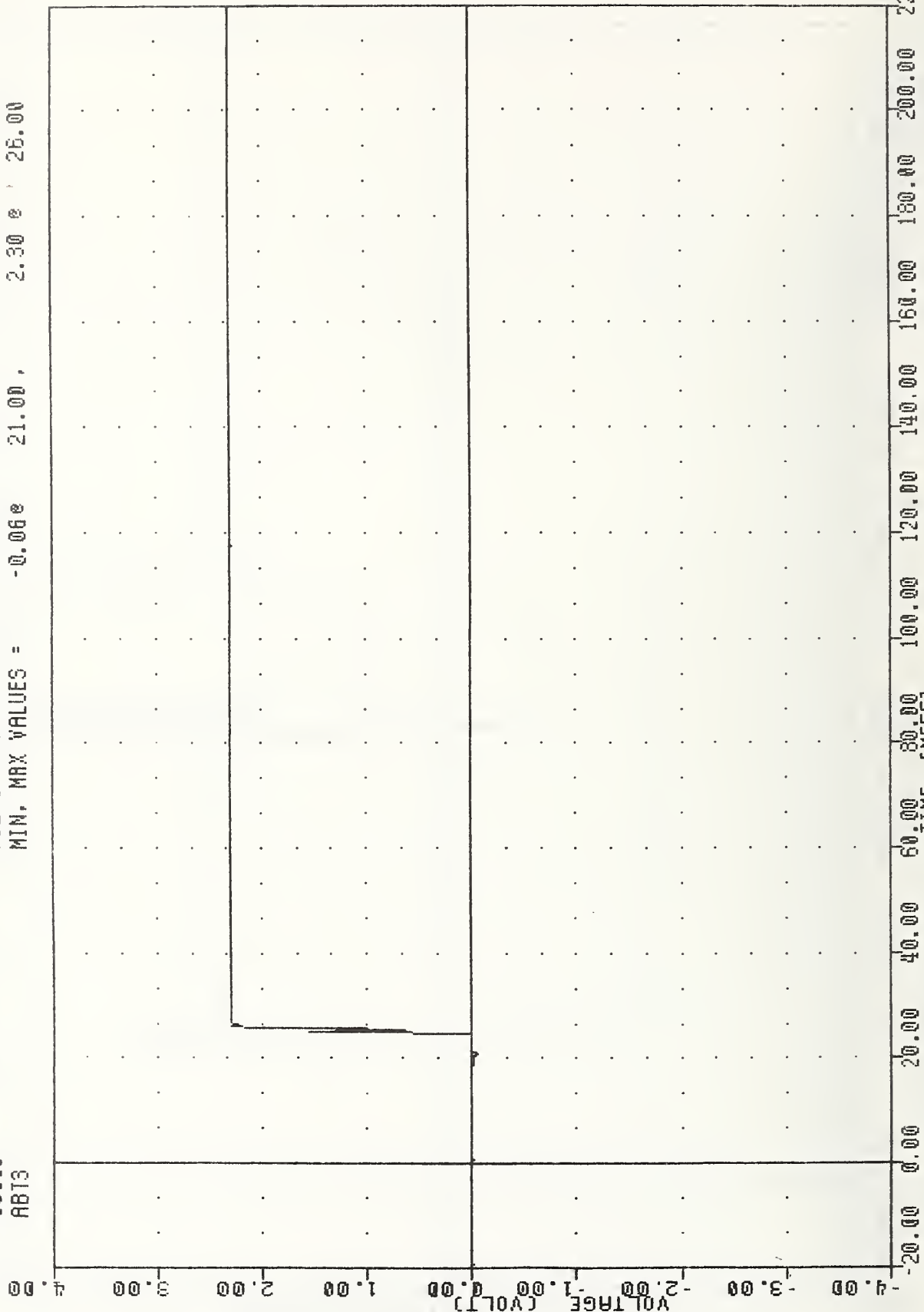
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRIC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 ABT3

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.06e 21.00, 2.30 e 25.00

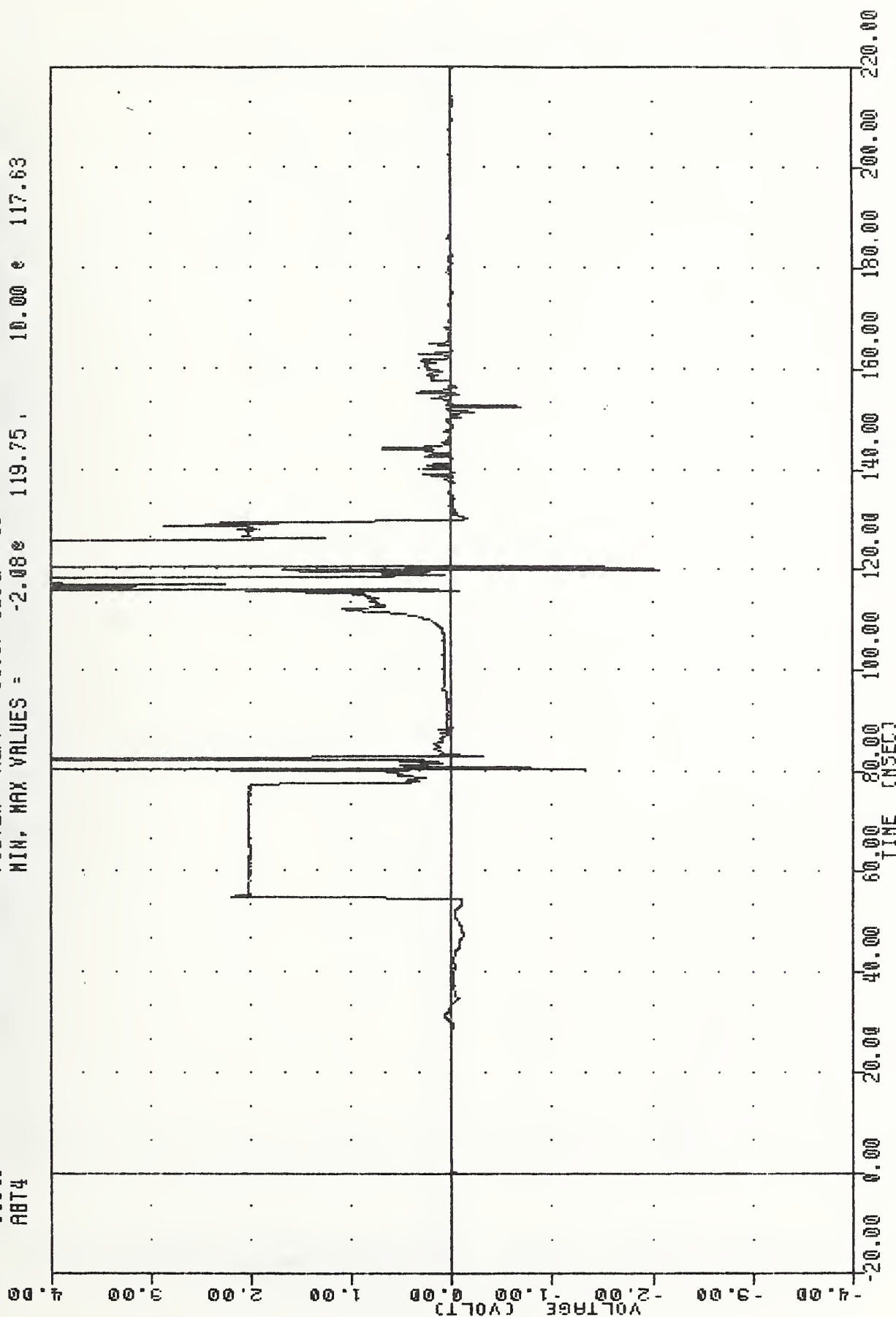


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

WRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
ABT4

PLOT DATE 24-MAY-85 11:22:24

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -2.08e 119.75, 10.00 e 117.63



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

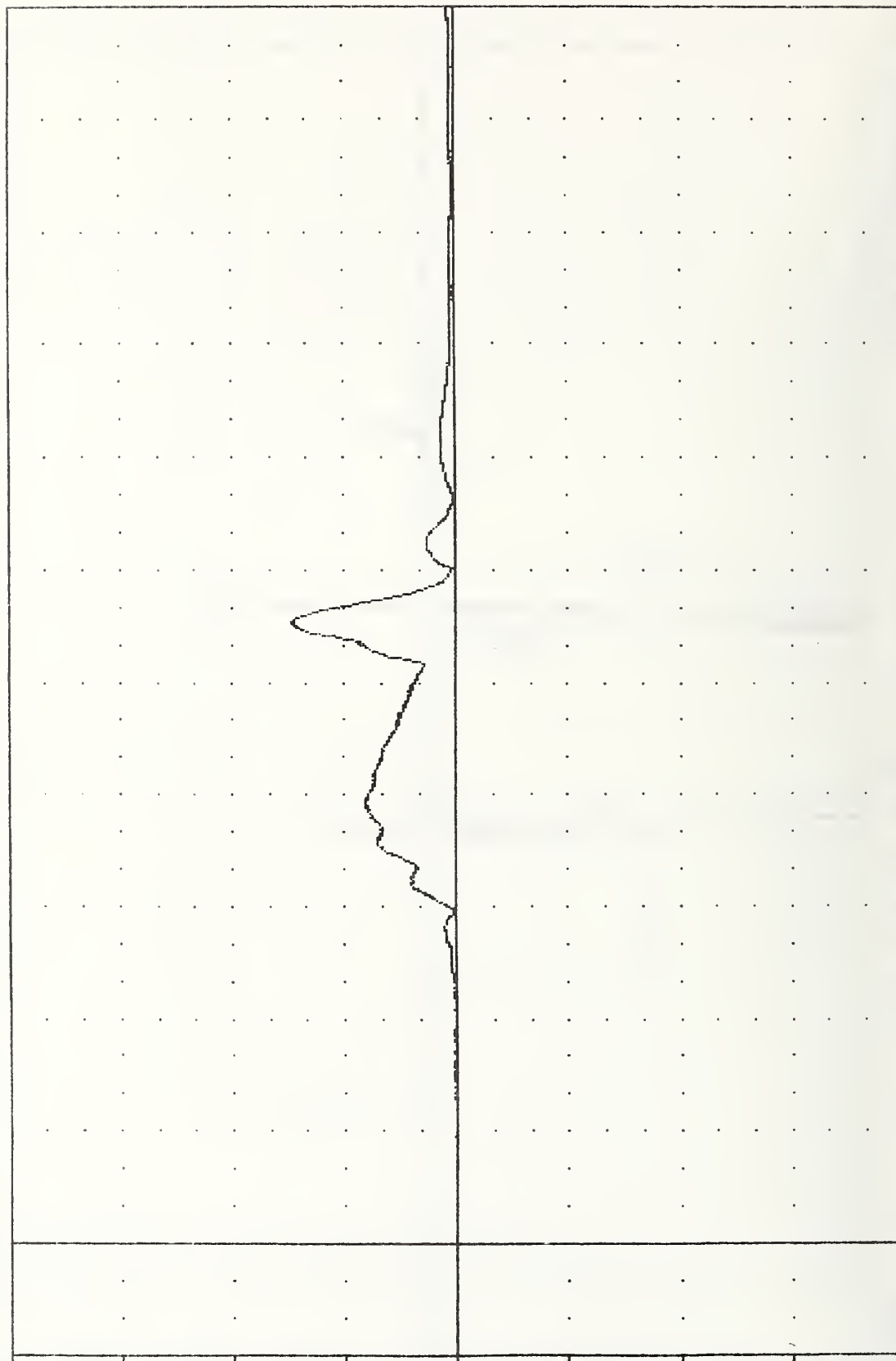
VRIC
 BREED AIRBAG SLED PROGRAM
 85143
 HEADG1

PLOT DATE 24-MAY-85 11:25:16

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.05% 8.25, 73.07 @ 110.63

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD RESULTANT

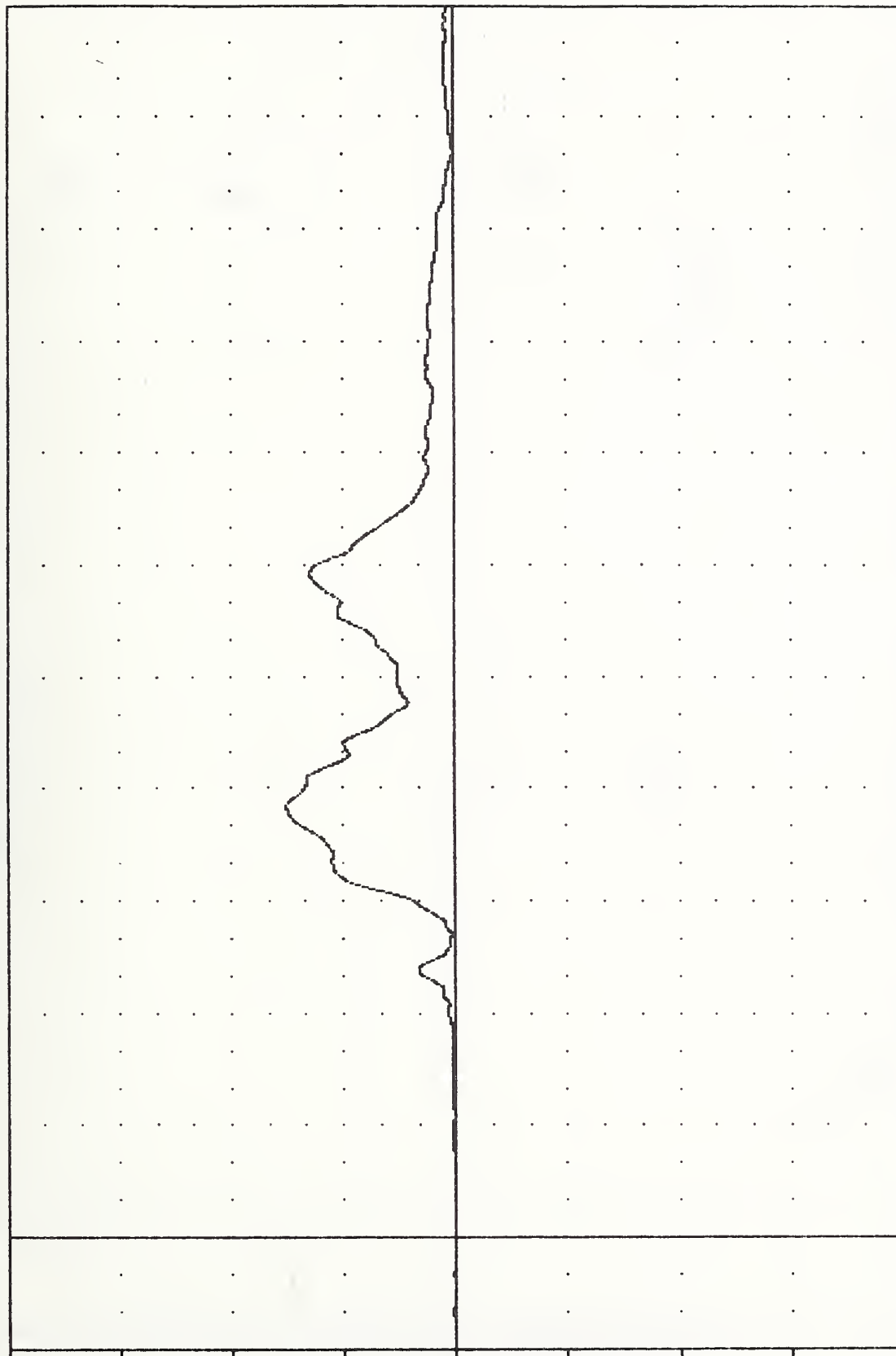
VRTC , RD384-4-38
BRAED ATABAG SLED PROGRAM
85143
CSTR61

PLOT DATE 24-MAY-85 11:25:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.03e -1.25, 37.66 e 76.75

ACCELERATION [G]



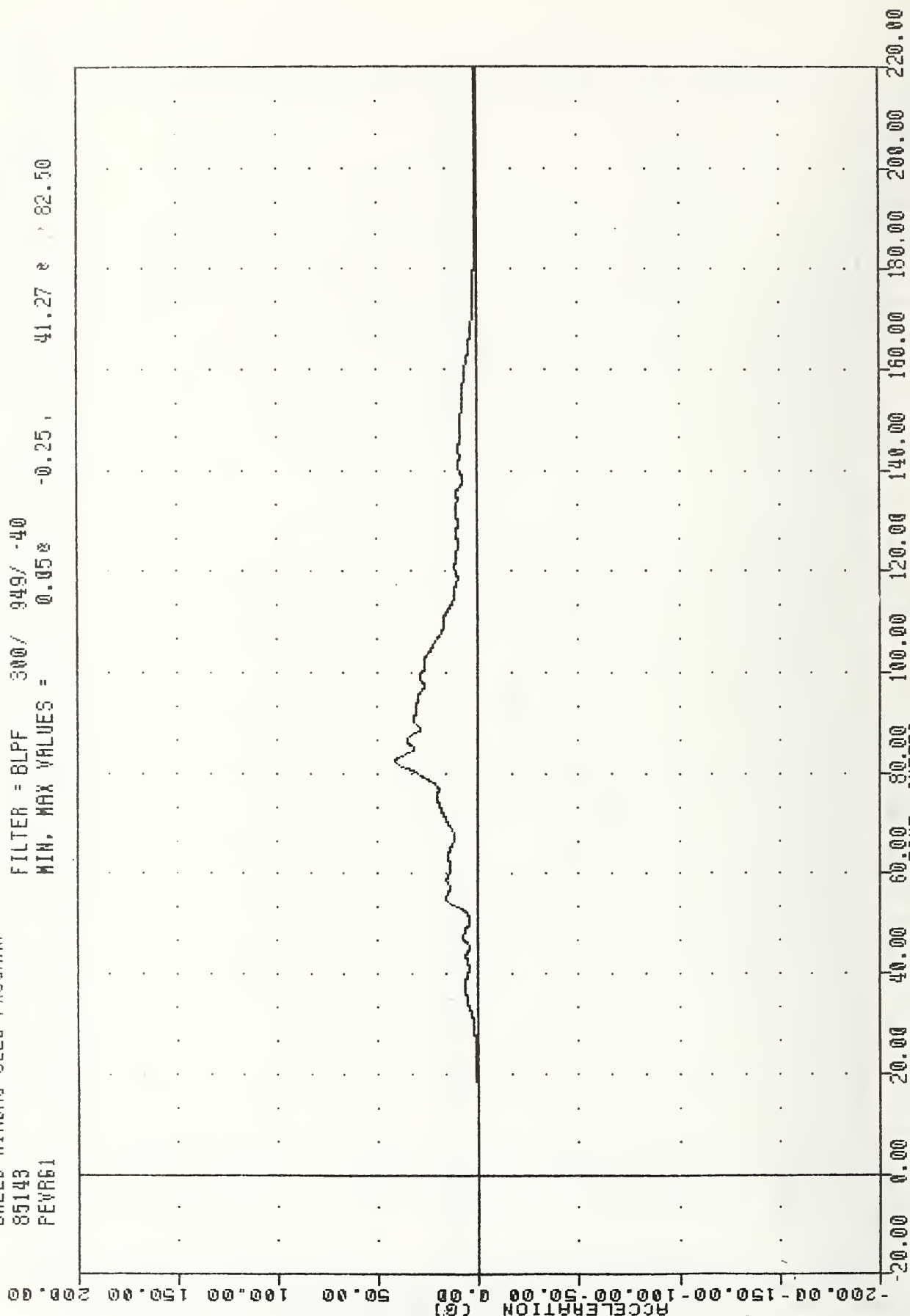
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VATC RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
PEVR61

PLOT DATE 24-MAY-85 11:25:16

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.058 -0.25, 41.27 e 82.50



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

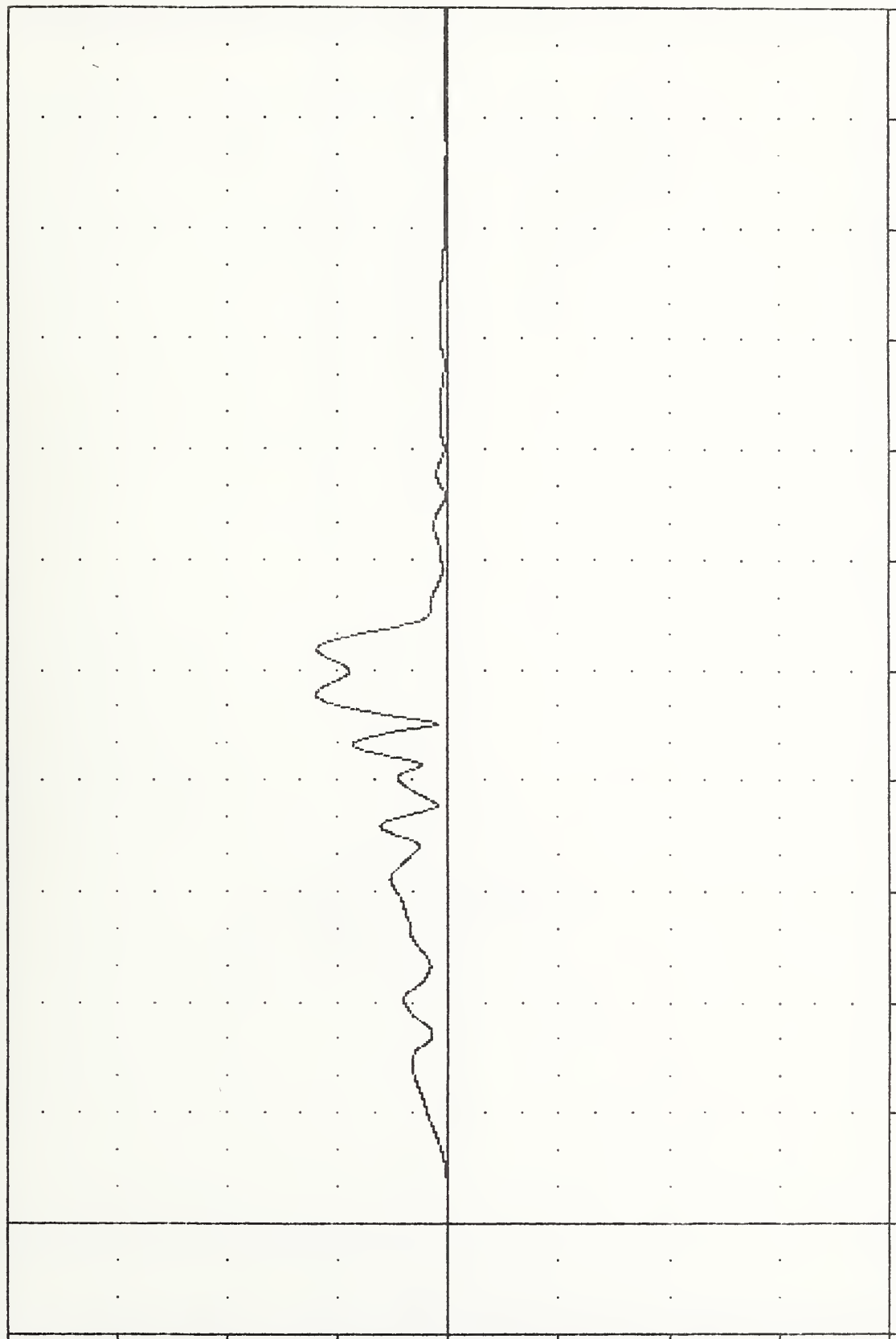
VRTC , RD384-4-38
BREED AIRBAG SLED PROGRAM
85143
STHRG

PLOT DATE 24-MAY-85 11:25:16

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.12% -20.00, 59.89 % 95.50

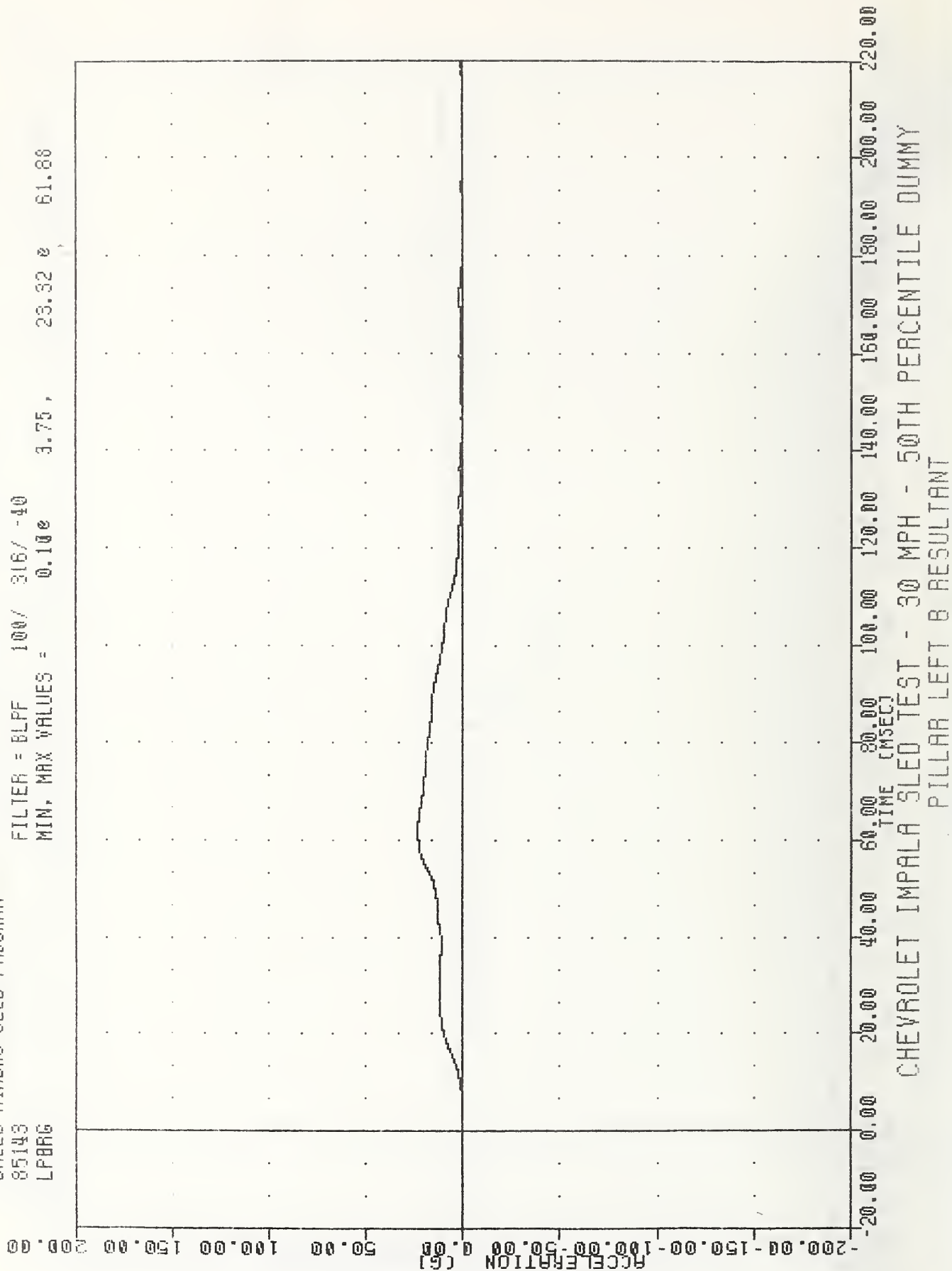
ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

VRIC , RD884-4-38
BREED AIRBAG SLED PROGRAM
85143
LPBAG

PLOT DATE 24-MAY-85 11:25:16
FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.10e 3.75, 23.32 e 61.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

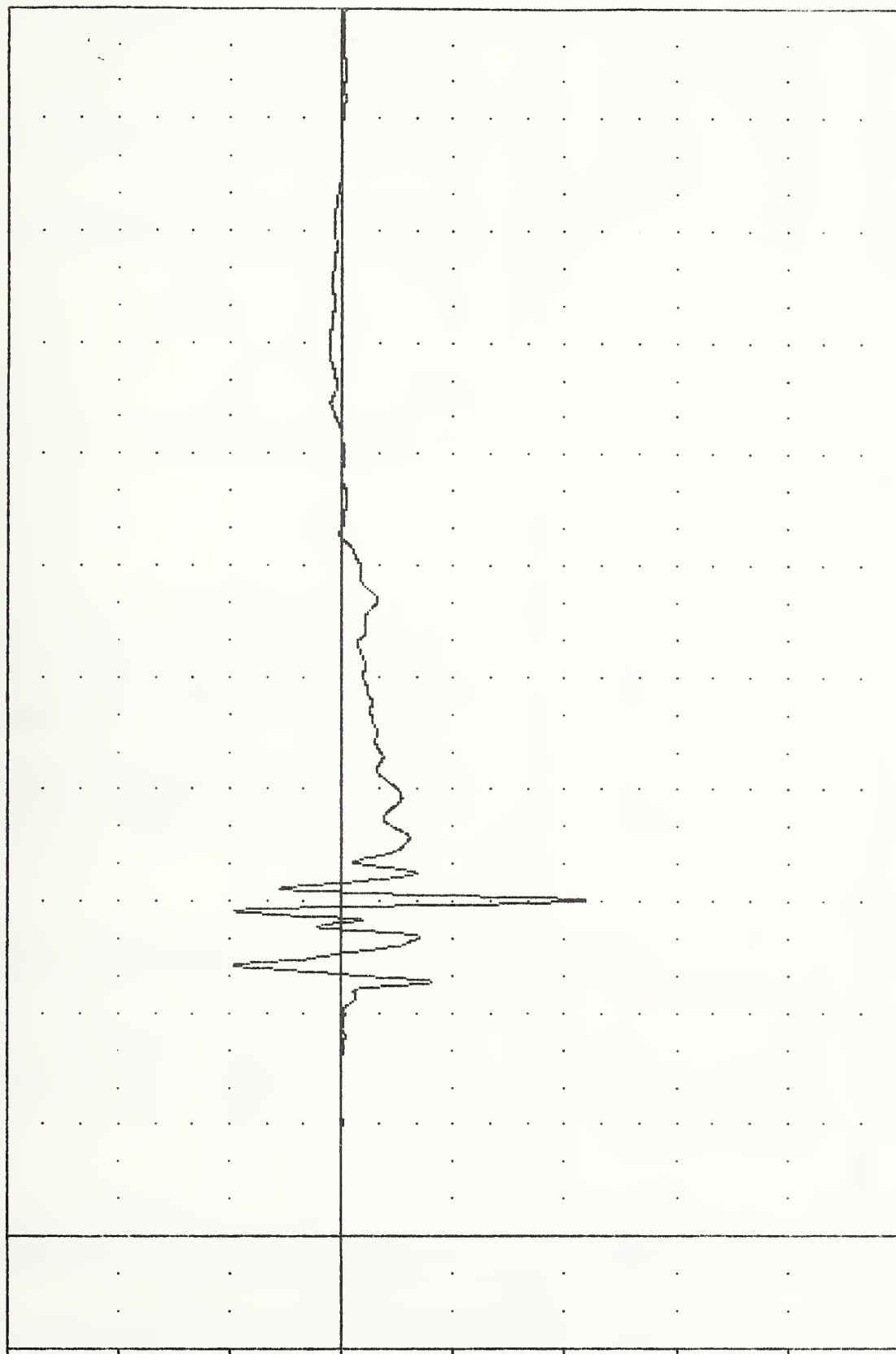
VRIC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 USIXG1

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -175.30e 60.25, 77.20 e 58.13

ACCELERATION (G)



TIME (MSEC)

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

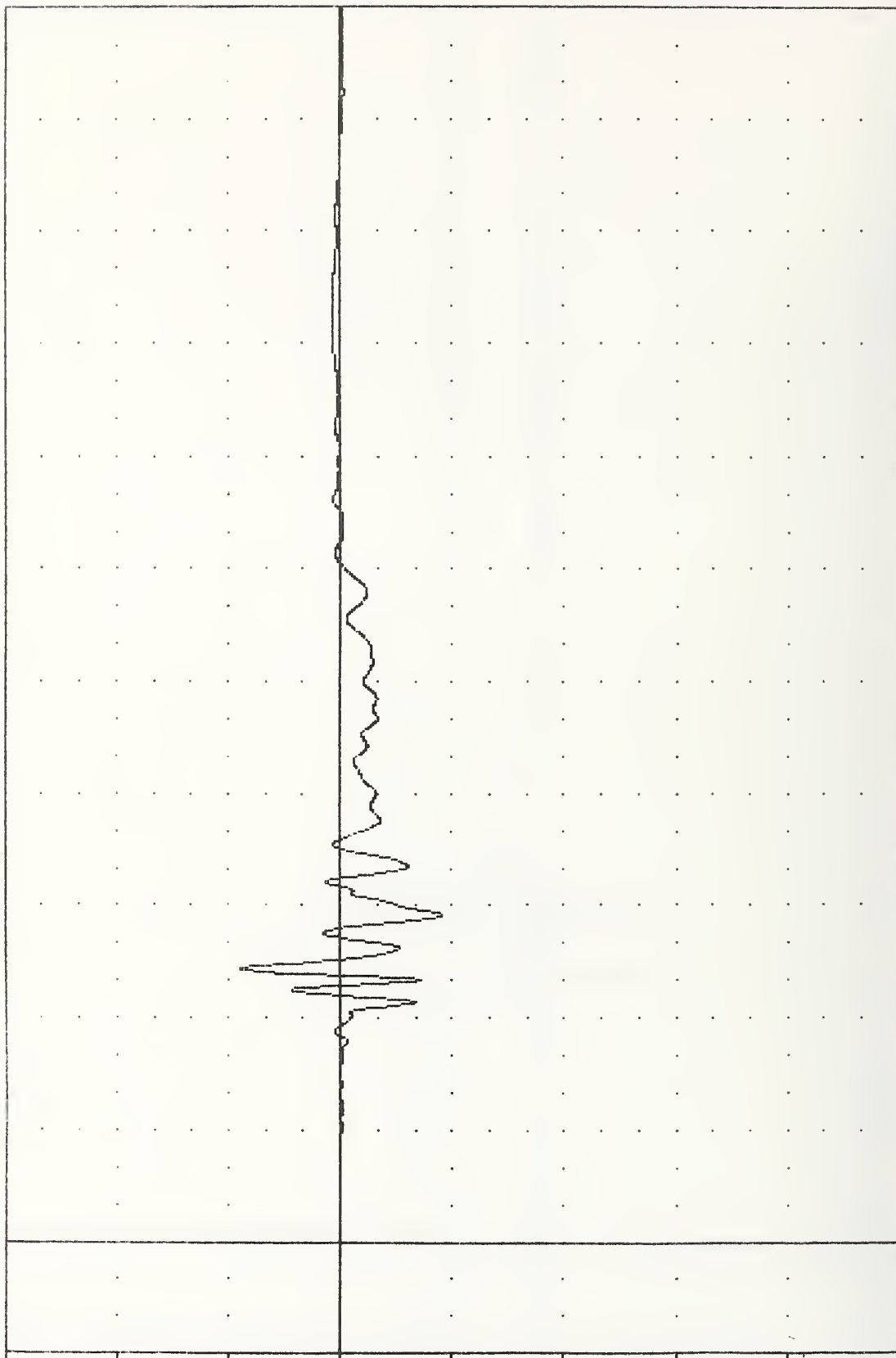
VRTC , RD384-4-38
 BREED AIRBAG SLED PROGRAM
 85143
 L3TX61

PLOT DATE 24-MAY-85 11:22:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -73.55e 58.38 , 72.06 e 48.63

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

TRC446P. RAD; 1
VRTC
85144

RD384-4-39 BREED AIRBAG SLED PROGRAM
35.00 mph 24-MAY-85 13:38

		Min value	Max value	Data Units	Filter
1	EVT	0.078 @	1.616 @	-17.875 msec	ALPF 1650/ 5214/ -40
2	SLDXV	-38.314 @	0.115 @	-8.125 msec	ALPF 100/ 316/ -40
3	SLDXG	-25.574 @	0.738 @	0.250 msec	BLPF 100/ 316/ -40
4	HEDXG1	-46.337 @	2.484 @	216.125 msec	ALPF 1650/ 5214/ -40
5	HEDYG1	-3.454 @	1.024 @	180.750 msec	ALPF 1650/ 5214/ -40
6	HEDZG1	-9.401 @	32.841 @	76.875 msec	ALPF 1650/ 5214/ -40
7	CSTXG1	-54.770 @	1.722 @	140.375 msec	BLPF 300/ 949/ -40
8	CSTYG1	-5.861 @	2.504 @	140.625 msec	BLPF 300/ 949/ -40
9	CSTZG1	-13.546 @	6.330 @	59.000 msec	BLPF 300/ 949/ -40
10	USTXG1	-90.250 @	22.578 @	47.750 msec	BLPF 300/ 949/ -40
11	LSTXG1	-87.494 @	38.458 @	46.875 msec	BLPF 300/ 949/ -40
12	PEVXG1	-33.846 @	2.924 @	114.875 msec	BLPF 300/ 949/ -40
13	PEVYG1	-4.996 @	8.519 @	101.250 msec	BLPF 300/ 949/ -40
14	PEVZG1	-24.715 @	1.309 @	194.750 msec	BLPF 300/ 949/ -40
15	LFMF1	-553.016 @	115.407 @	219.875 msec	BLPF 1000/ 3162/ -40
16	RMF1	-373.091 @	34.872 @	145.625 msec	BLPF 1000/ 3162/ -40
17	STHPG	-169.407 @	30.871 @	77.750 msec	BLPF 100/ 316/ -40
18	STHLG	-12.568 @	30.898 @	97.250 msec	BLPF 100/ 316/ -40
19	STHIG	-10.258 @	37.569 @	99.375 msec	BLPF 100/ 316/ -40
20	LPBXG	-25.577 @	1.015 @	189.000 msec	BLPF 100/ 316/ -40
21	LPBYG	-1.590 @	2.382 @	110.625 msec	BLPF 100/ 316/ -40
22	LPBZG	-1.027 @	1.676 @	65.250 msec	BLPF 100/ 316/ -40
23	SHBF1	-0.796 @	1140.146 @	77.500 msec	BLPF 100/ 316/ -40
24	LBOF1	-0.025 @	1130.806 @	80.625 msec	BLPF 100/ 316/ -40
25	ABTP	-3.226 @	31.619 @	32.250 msec	ALPF 1650/ 5214/ -40
26	ABT1	-2.862 @	0.001 @	-18.375 msec	ALPF 1650/ 5214/ -40
27	ABT2	-9.454 @	0.004 @	2.250 msec	ALPF 1650/ 5214/ -40
28	ABT3	-0.040 @	2.338 @	23.375 msec	ALPF 1650/ 5214/ -40
29	ABT4	-0.063 @	9.997 @	96.750 msec	ALPF 1650/ 5214/ -40

453

TRC446P. RAD; 1
VRTC
85144

RD384-4-39 BREED AIRBAG SLED PROGRAM
35.00 mph 24-MAY-85 13:38

		Min value	Max value	Data Units	Filter
1	HEDXV1	-47.566 @	0.219 @	37.875 msec	BLPF 300/ 949/ -40
2	HEDXD1	-71.720 @	0.162 @	50.750 msec	BLPF 300/ 949/ -40
3	CSTXV1	-43.878 @	-0.100 @	-8.250 msec	BLPF 300/ 949/ -40
4	CSTXD1	-72.352 @	-0.053 @	-20.000 msec	BLPF 300/ 949/ -40
5	PEVXV1	-29.755 @	-0.033 @	-16.750 msec	BLPF 300/ 949/ -40
6	PEVXD1	-51.824 @	-0.024 @	-20.000 msec	BLPF 300/ 949/ -40
7	SLDXV1	-38.015 @	0.027 @	-16.625 msec	BLPF 300/ 949/ -40
8	SLDXD	-71.140 @	0.017 @	-6.500 msec	BLPF 300/ 949/ -40
9	STHPV	-37.228 @	-0.141 @	-16.625 msec	BLPF 300/ 949/ -40
10	STHPD	-62.865 @	-0.081 @	-20.000 msec	BLPF 300/ 949/ -40
11	LPBXV	-37.245 @	0.024 @	-12.875 msec	BLPF 300/ 949/ -40
12	LPBXD	-68.633 @	0.002 @	-7.875 msec	BLPF 300/ 949/ -40

TRC446P. RAD; 1
VRTC
85144

RD384-4-39 BREED AIRBAG SLED PROGRAM
35.00 mph 24-MAY-85 13:38

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.055 @	54.884 @	74.500 msec	ALPF 1650/ 5214/ -40
2	CSTRG1	0.031 @	54.921 @	67.375 msec	BLPF 300/ 949/ -40
3	PEVRG1	0.068 @	41.366 @	80.500 msec	BLPF 300/ 949/ -40
4	STHRG	0.114 @	173.223 @	97.000 msec	BLPF 100/ 316/ -40
5	LPBRG	0.088 @	25.608 @	60.375 msec	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC446RP.RAD;1
VRTC RD384-4-39 BREED AIRBAG SLED PROGRAM
85144 35.00 mph

* * * HIC computation for HEDRG1

24-MAY-85 13:41

Using time range = 0.000 to 143.375 msec Peak accel = 54.88 @ 74.500

HIC = 412.57 Interval from 60.000 [641] to 113.750 [1071]

HIC = 258.70 Interval from 67.250 [699] to 82.250 [819]

R SYSP:THREEMS

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

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

Enter input filespec -> TRC446RP

File TRC446RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Delta x = 0.125000
VRTC RD384-4-39 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 FEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED.BREED]TRC446RP.RAD;1
BREED AIRBAG SLED PROGRAM 35.0 mph 85144 VRTC RD384-4-39
Delta x: 0.125 24-MAY-85 13:49:02

3 MS CLIP PEAK: 54.18718

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

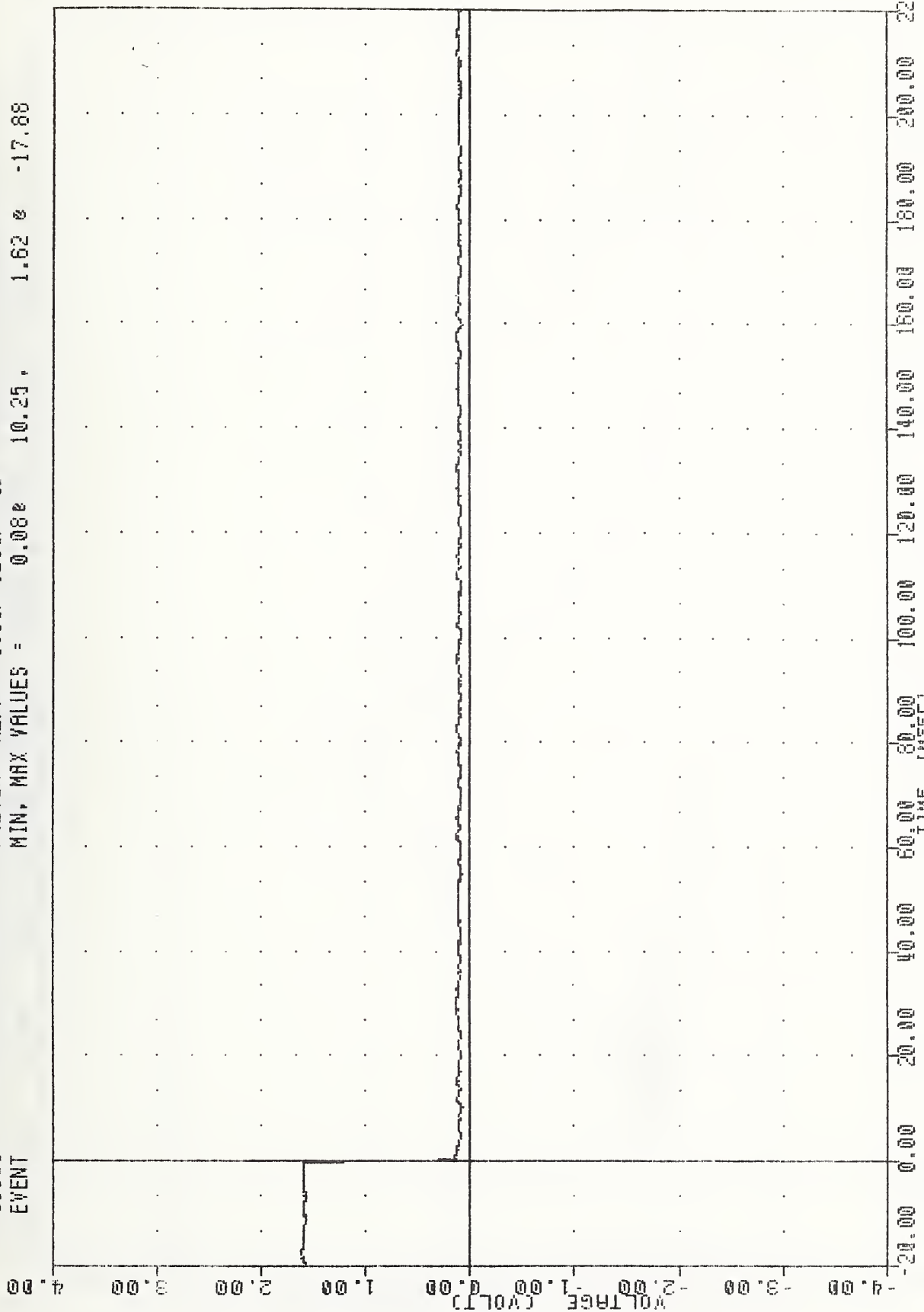
\$

VRIC , R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
EVENT

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.08e 10.25, 1.62 e -17.88



455

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
EVENT

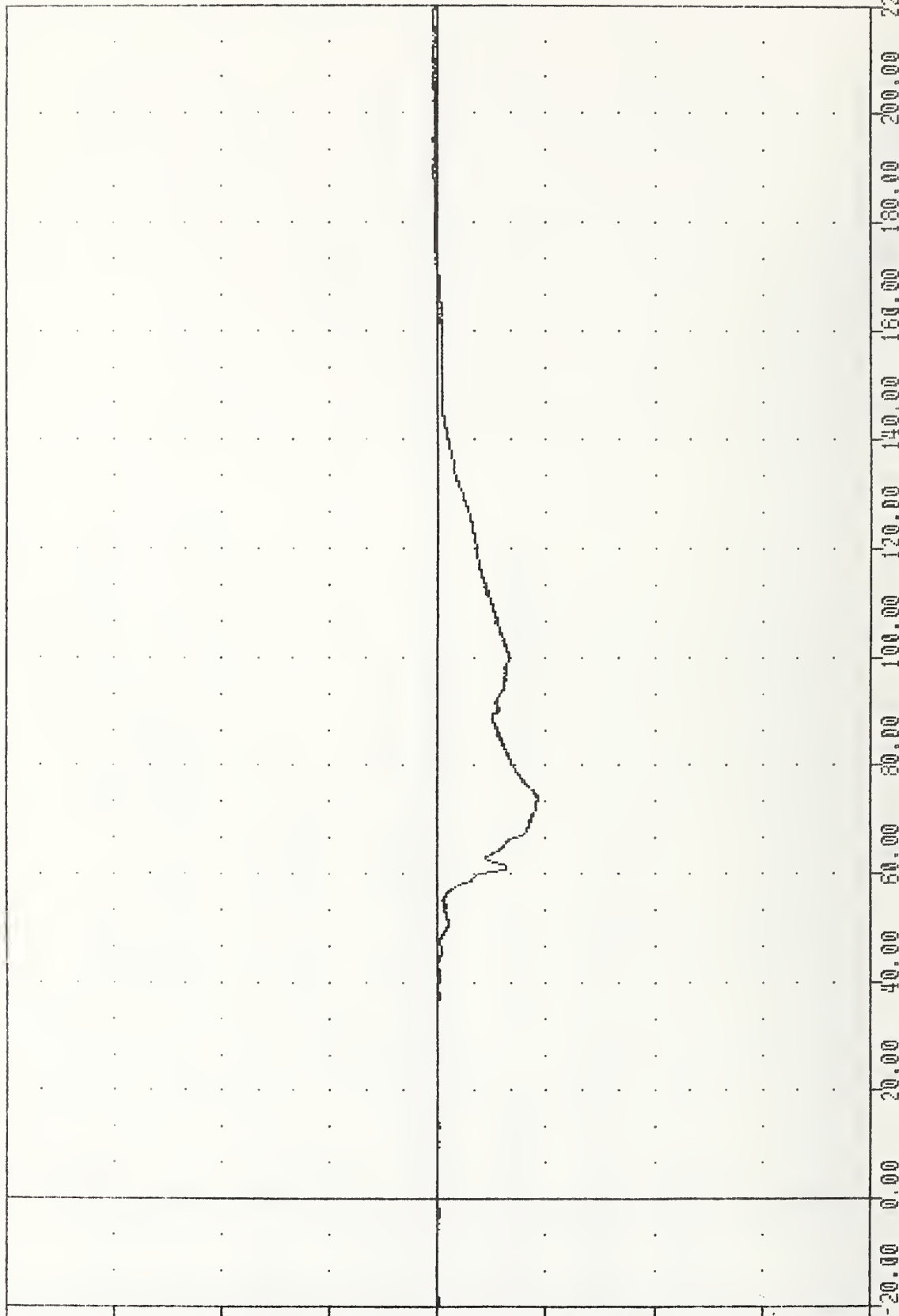
VRIC , R0364-4-39
BRAED AIRBAG SLED PROGRAM
85144
HEDXG1

PLOT DATE 26 MAY 66 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -46.34e 73.63, 2.48 e, 216.13

ACCELERATION (G)



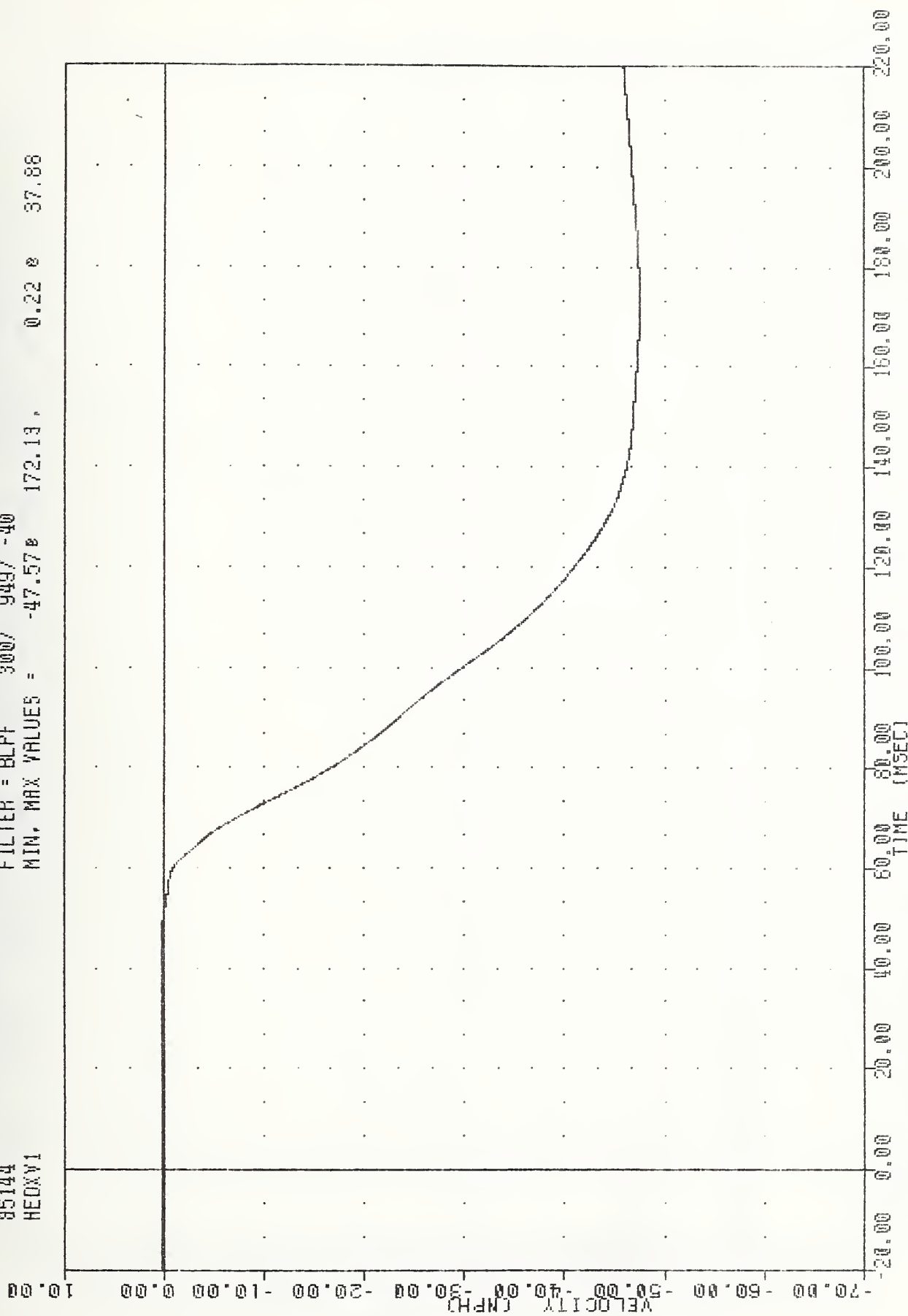
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRIC R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
HEDXV1

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -47.57 172.13 0.22 37.88



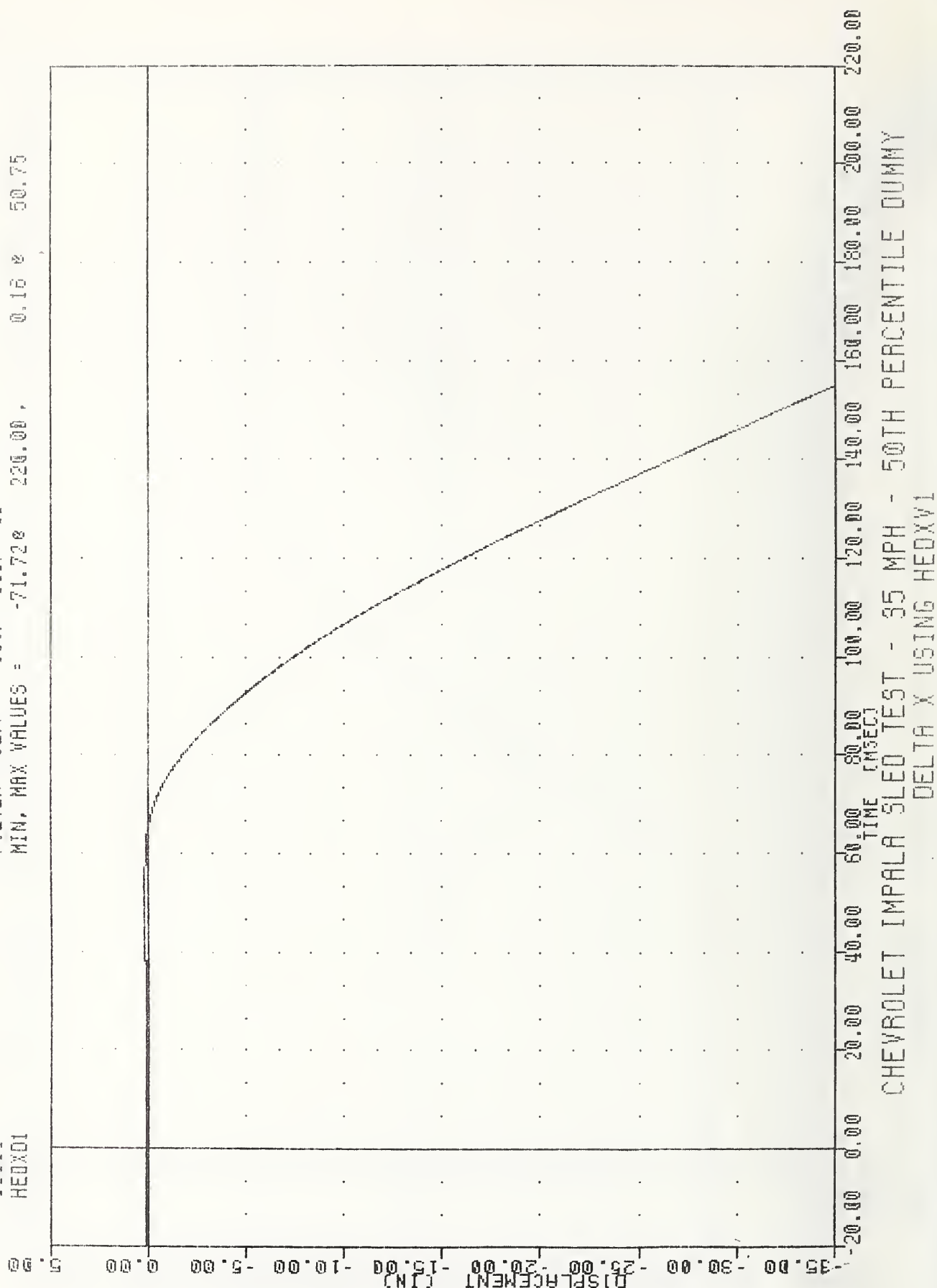
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRIC , R0384-4-39
 BREED AIRBAG SLED PROGRAM
 85144
 HEDX01

PLOT DATE 26-MAY-85 13:15:43

FILTER = 8LFF 300/ 949/ -40

MIN, MAX VALUES = -71.72e 220.00, 0.16 e 50.75



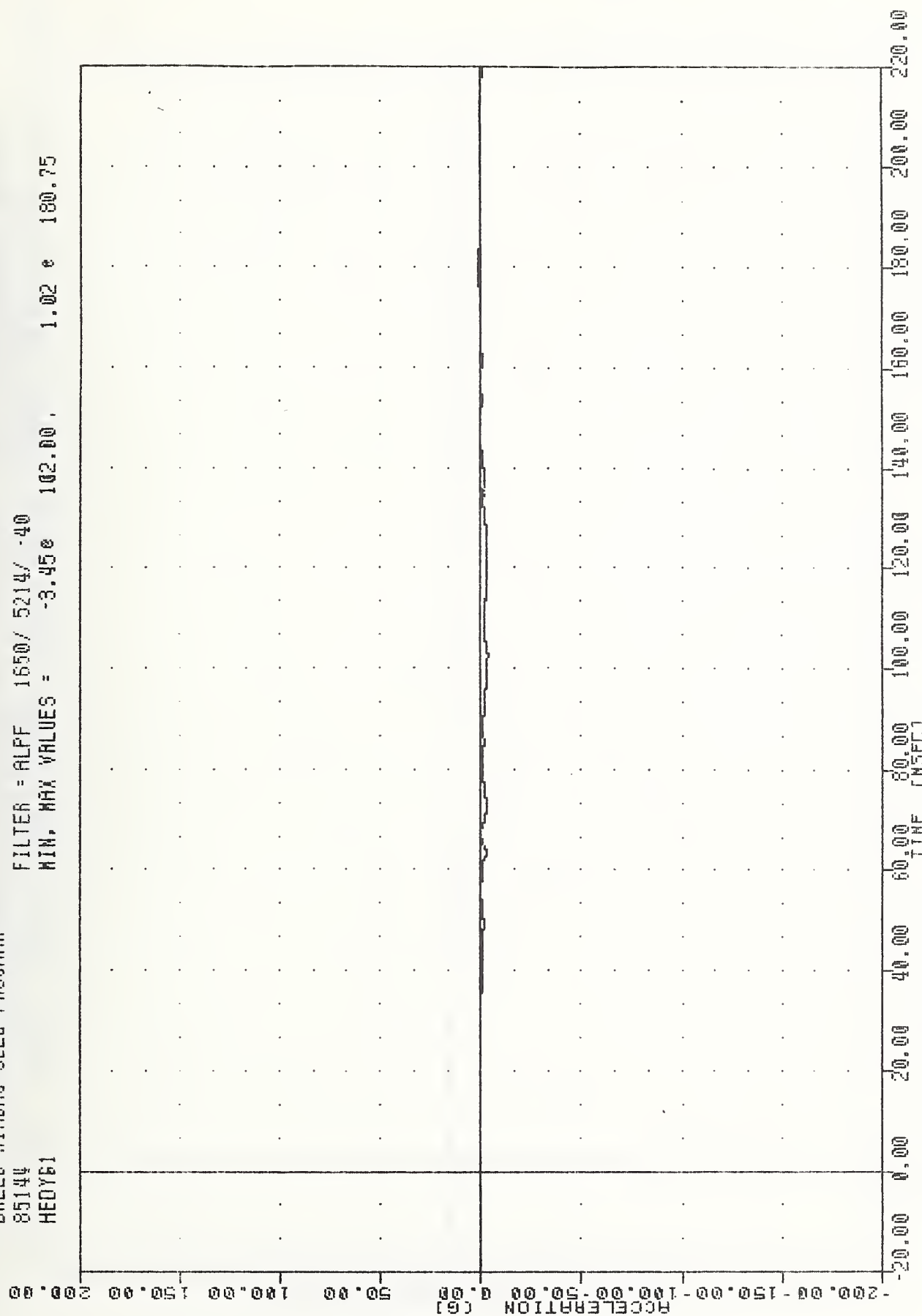
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING HEDXV1

WRTC , R0384-4-89
BREED AIRBAG SLED PROGRAM
85144
HEDY61

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.45e 102.00 , 1.02 e 180.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Y AXIS

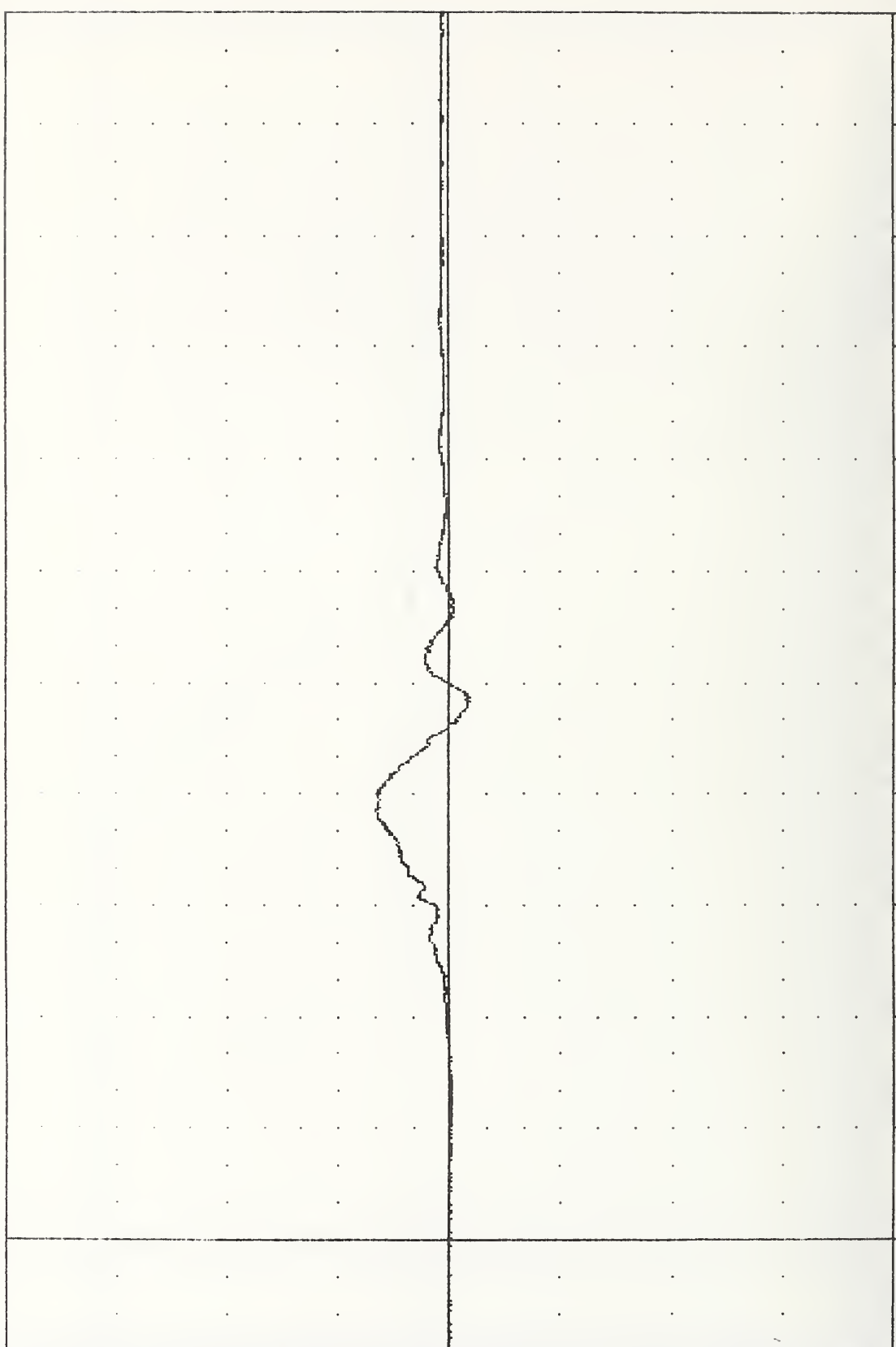
VRTC
BREED AIRBAG SLED PROGRAM
85144
HEADZG1

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1850/ 5214/ -40

MIN, MAX VALUES = -9.40e 96.63, 32.84 e 76.88

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)

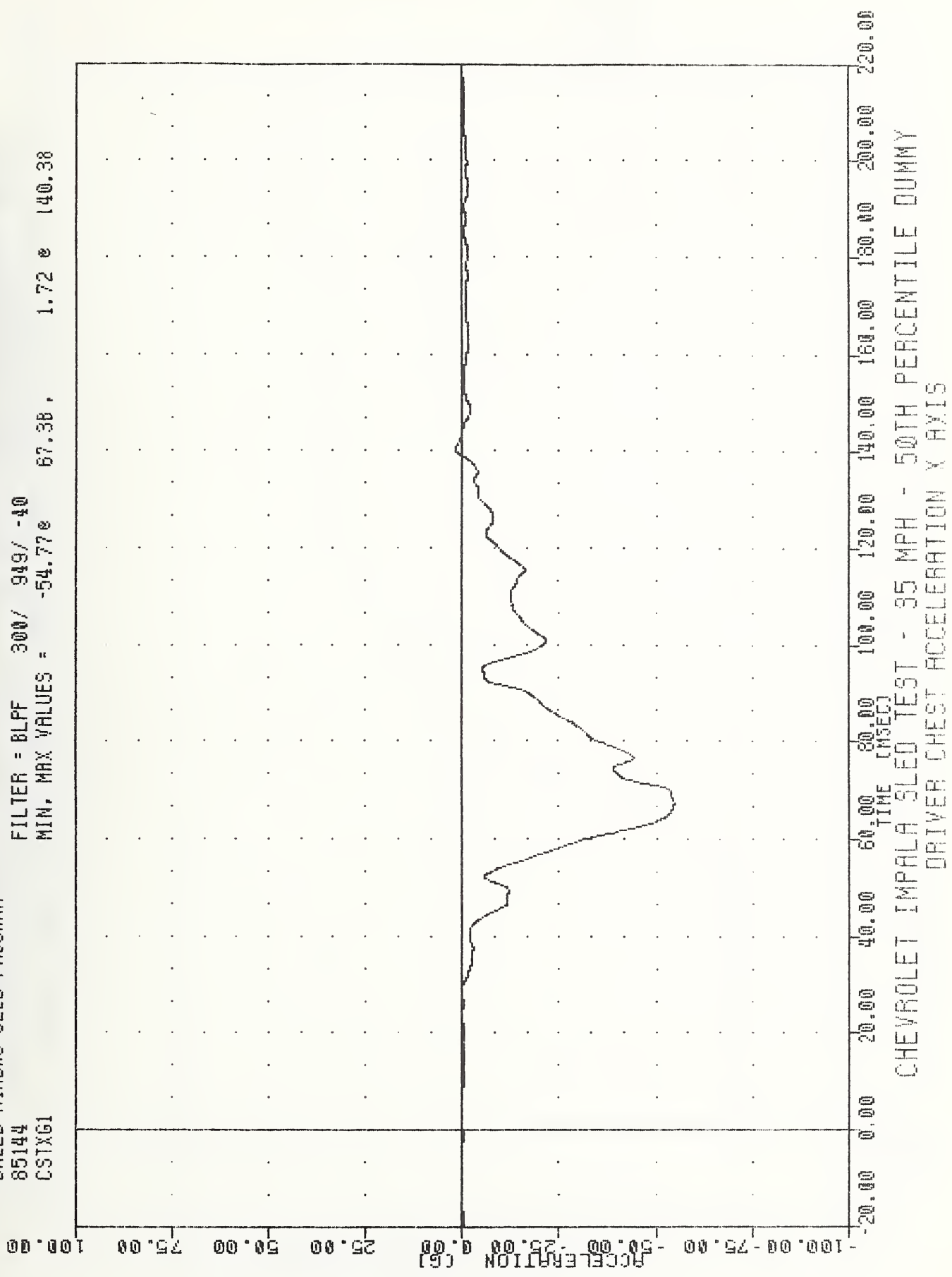
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRIC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
CSIXG1

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -54.77e 67.38, 1.72 e 140.38



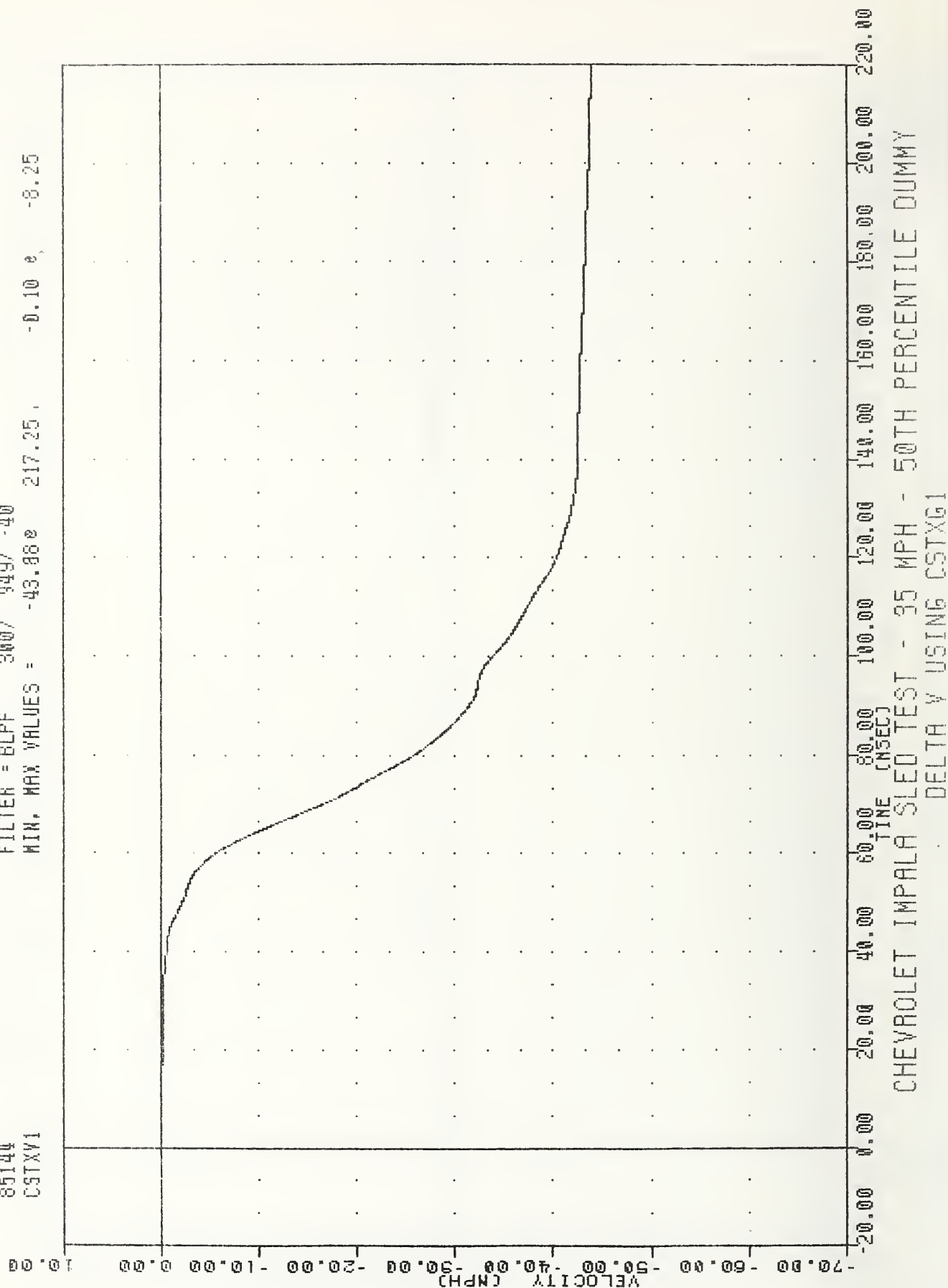
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRIC RD304-4-39
BREED R188AG SLED PROGRAM
85144
CSTXV1

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -43.88e 217.25, -0.10 e, -8.25

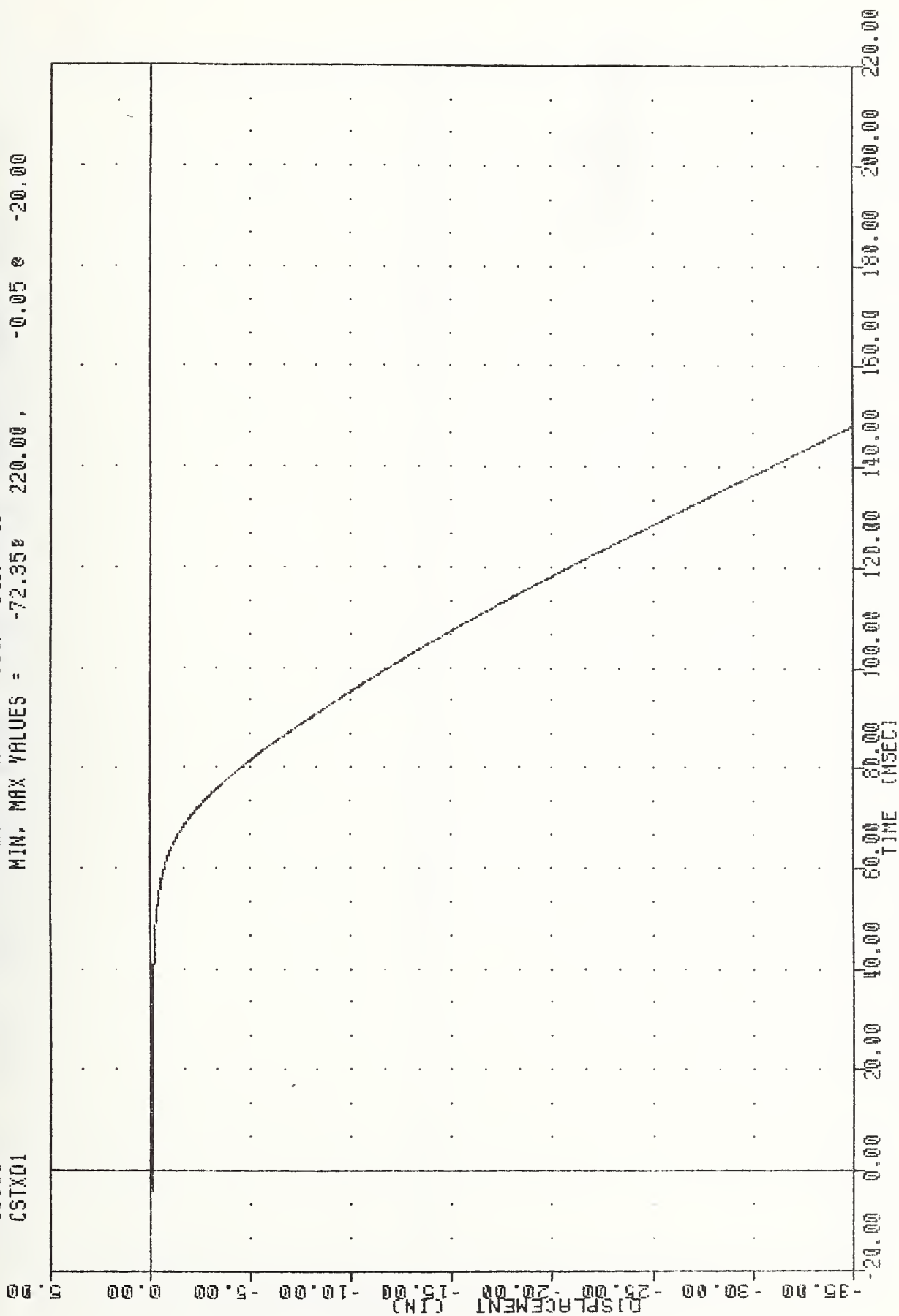


VRTC
BREED AIRBAG SLED PROGRAM
85144
CSTXD1

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -72.35e 220.00, -0.05 e -20.00

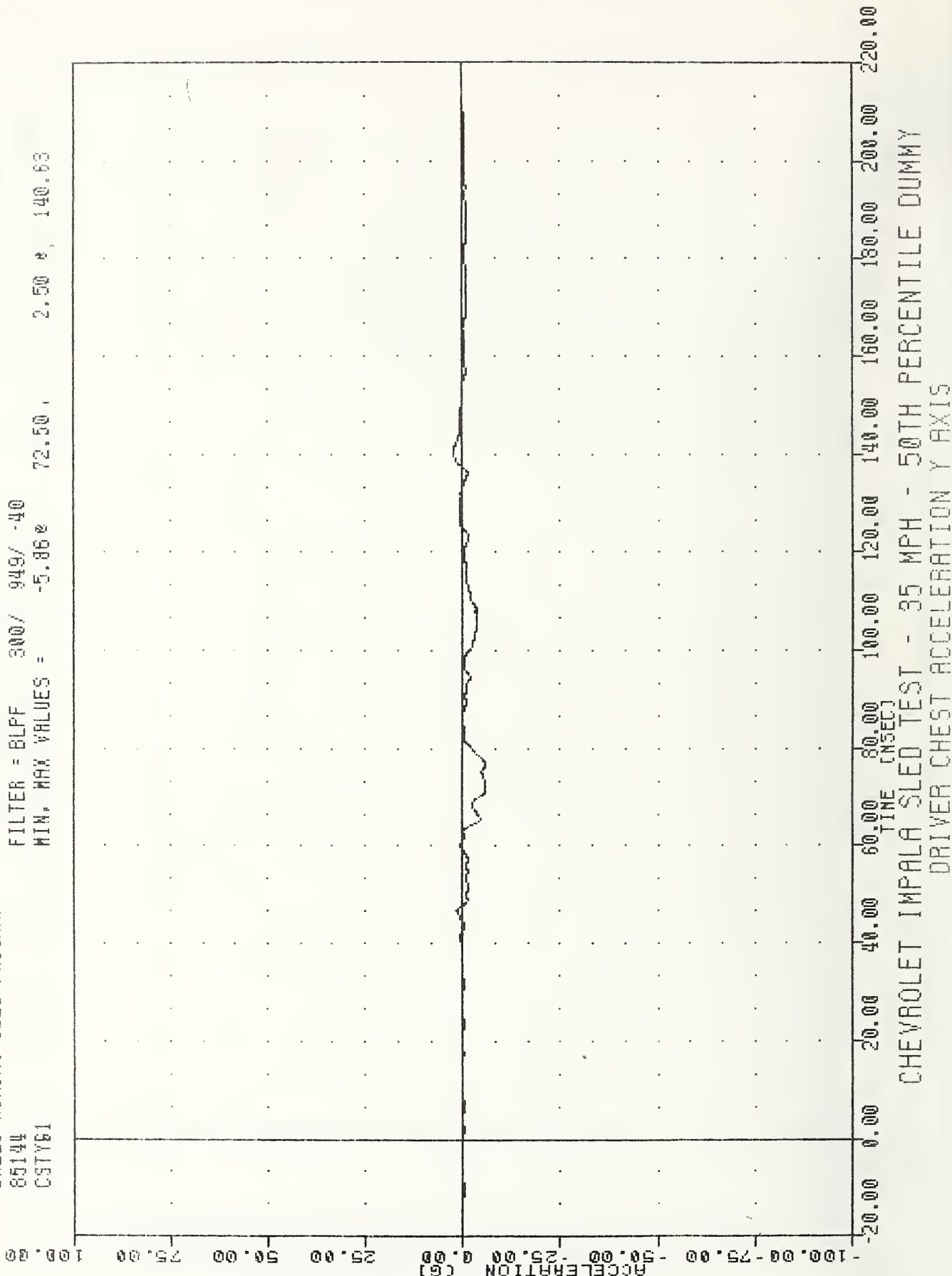


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VRIC , RD384-4-39
BREC AIRBAG SLED PROGRAM
85144
CSTY61

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -5.86e 72.50, 2.50 e, 140.63



VRIC , R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
CS7G1

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -13.55e 105.63, 6.33 e 58.00

100.00

75.00

50.00

25.00

0.00

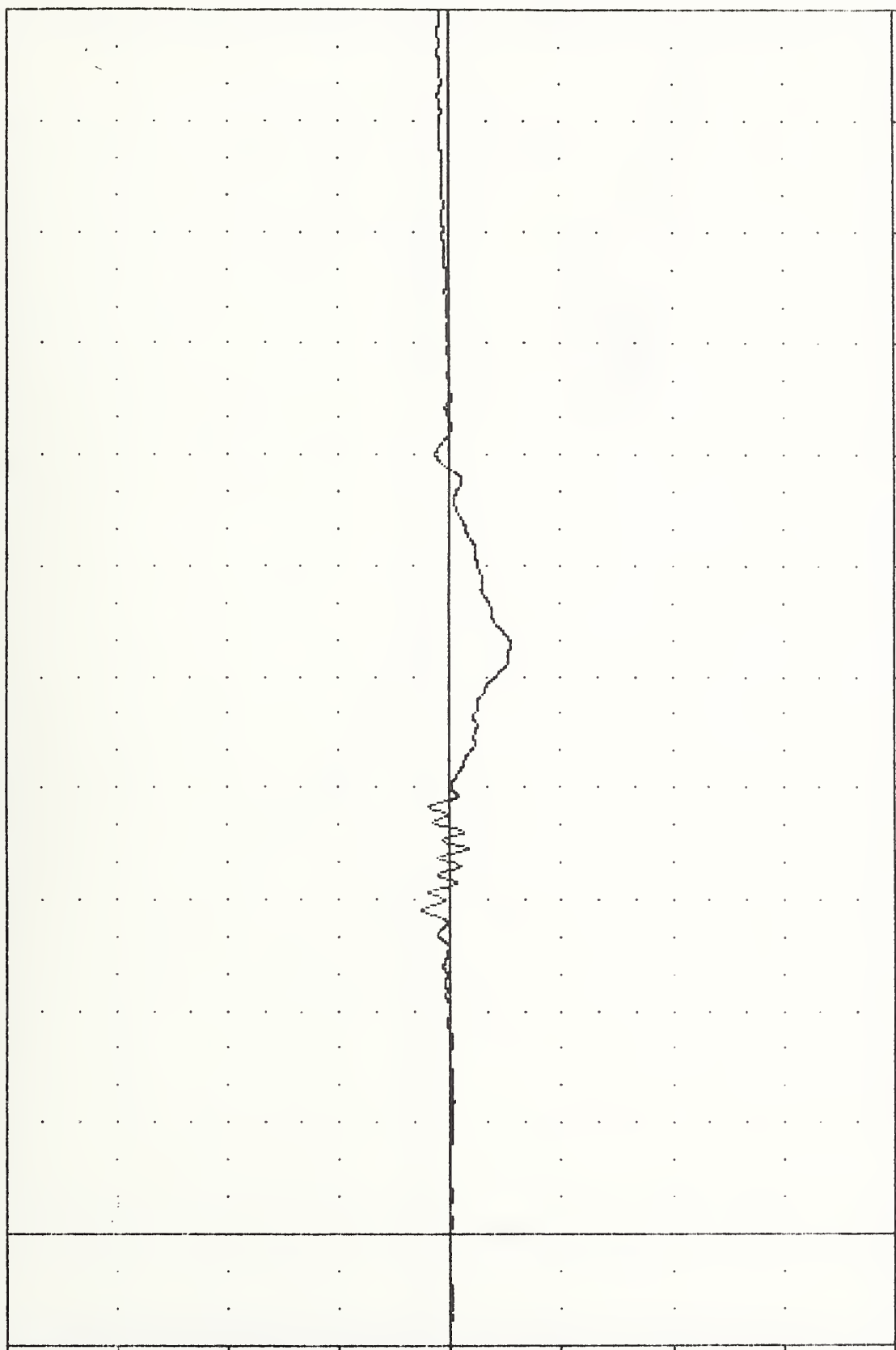
-25.00

-50.00

-75.00

-100.00

ACCELERATION [G]

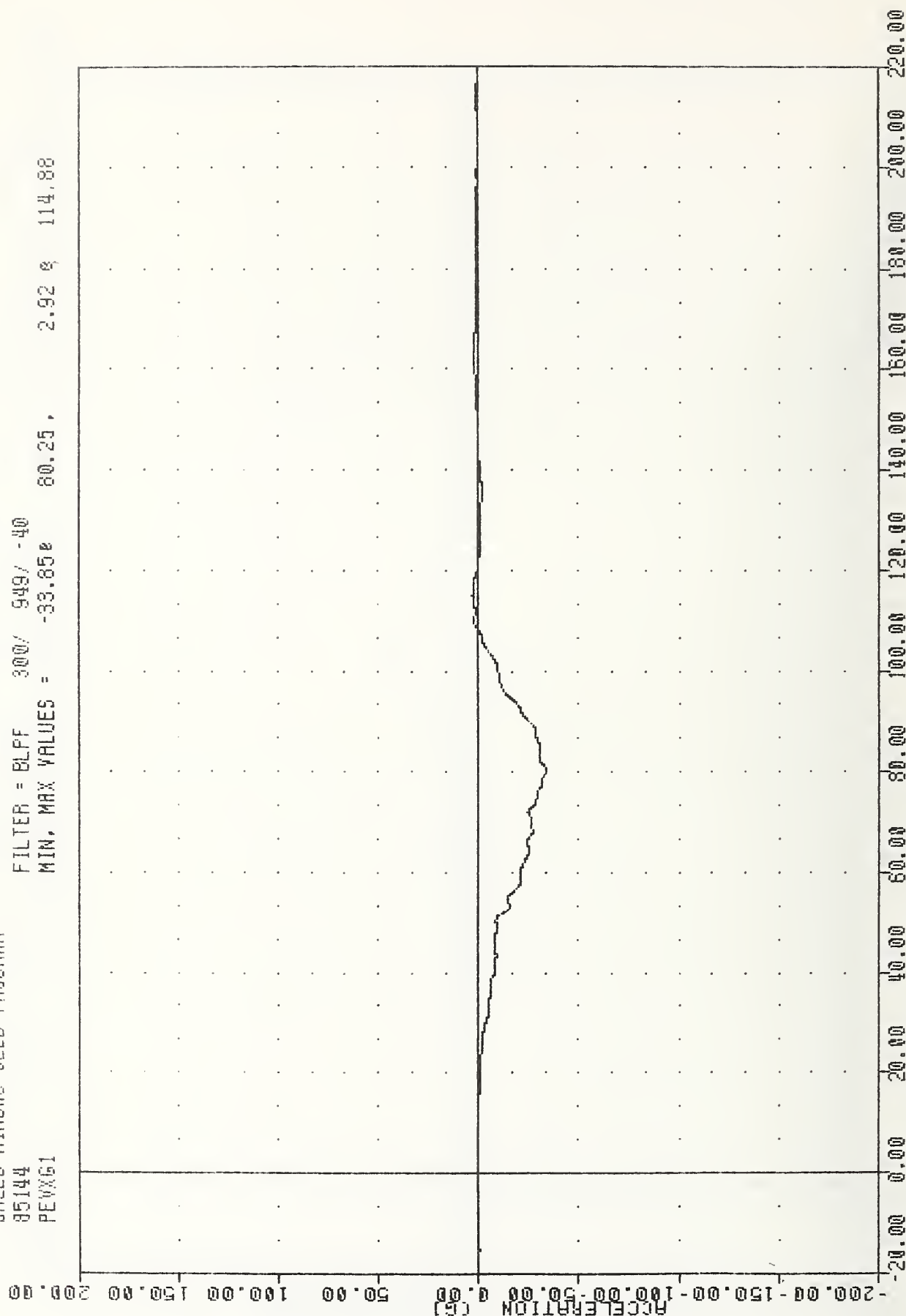


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRTC , R0384-4-59
 BREED AIRBAG SLED PROGRAM
 85144
 PEVX61

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -33.85g 80.25, 2.92 g 114.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION X AXIS

VRTC , R0384-4-39 PLOT DATE 28-MAY-85 13:15:43

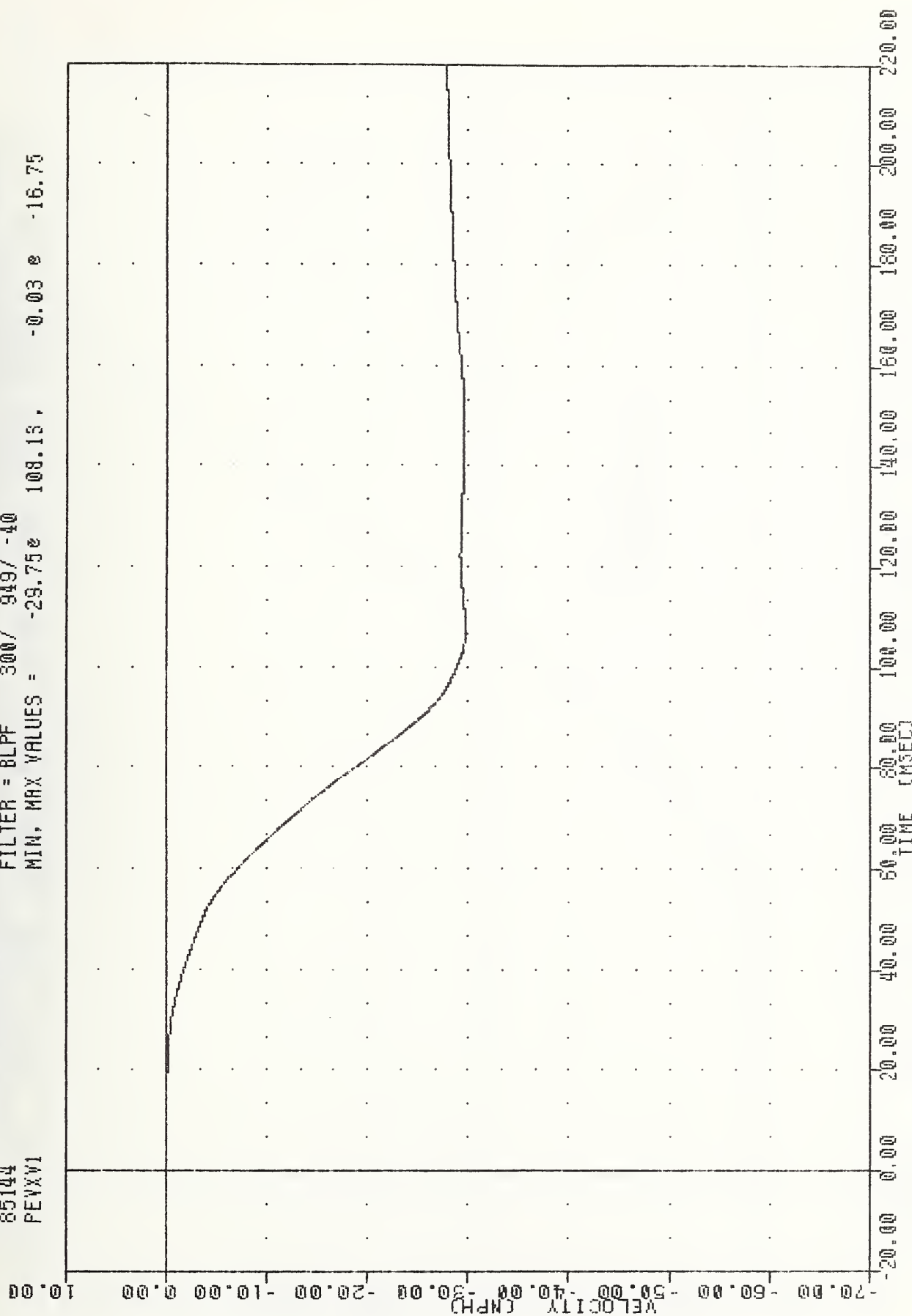
BREED AIRBAG SLED PROGRAM

85144

PEVXV1

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -29.75e 108.15, -0.03 e -16.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

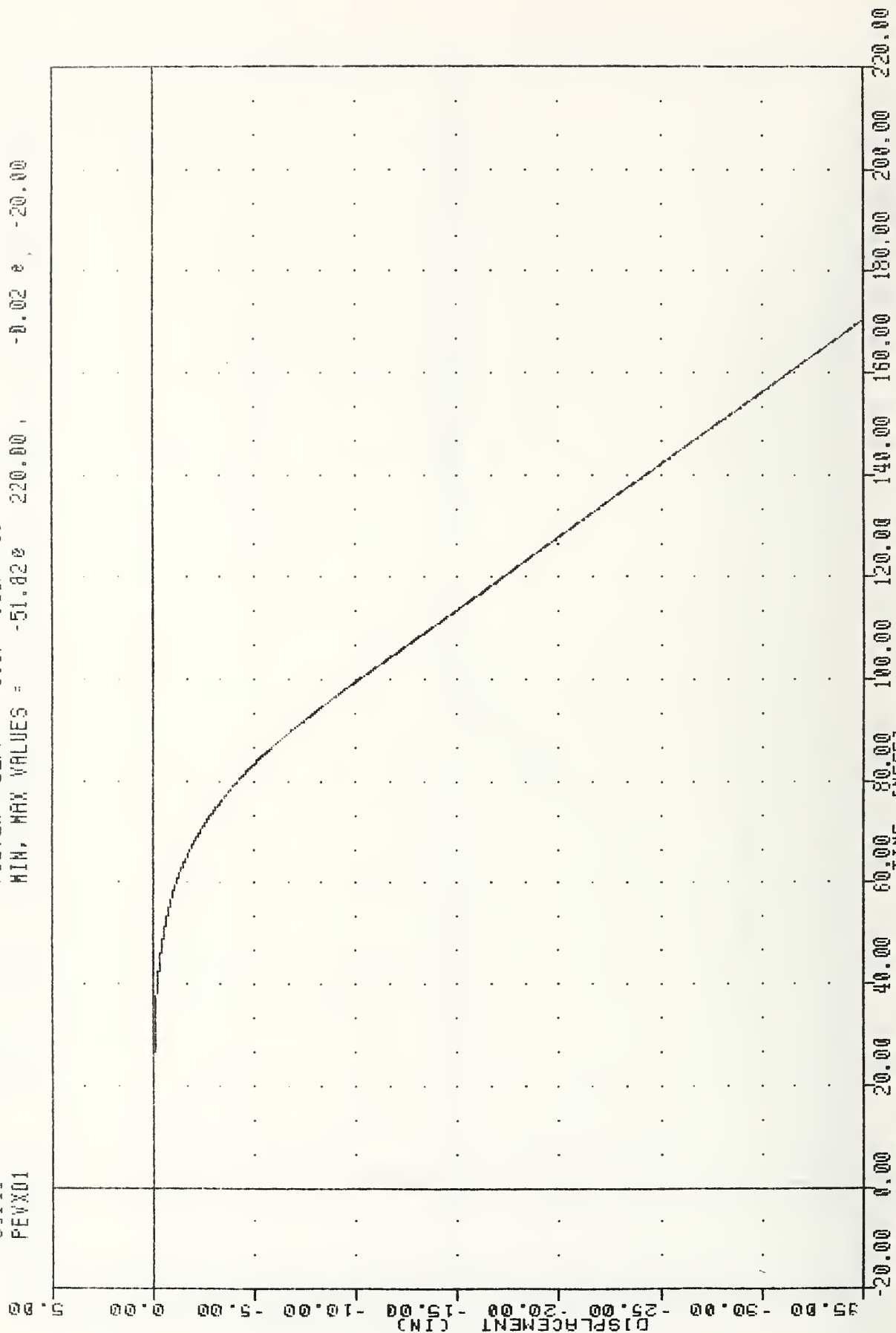
DELTA V USING PEVXG1

WRTC , R0364-4-39
 BREED AIRBAG SLED PROGRAM
 85144
 PEVX01

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -51.820 220.00 , -0.02 e, -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

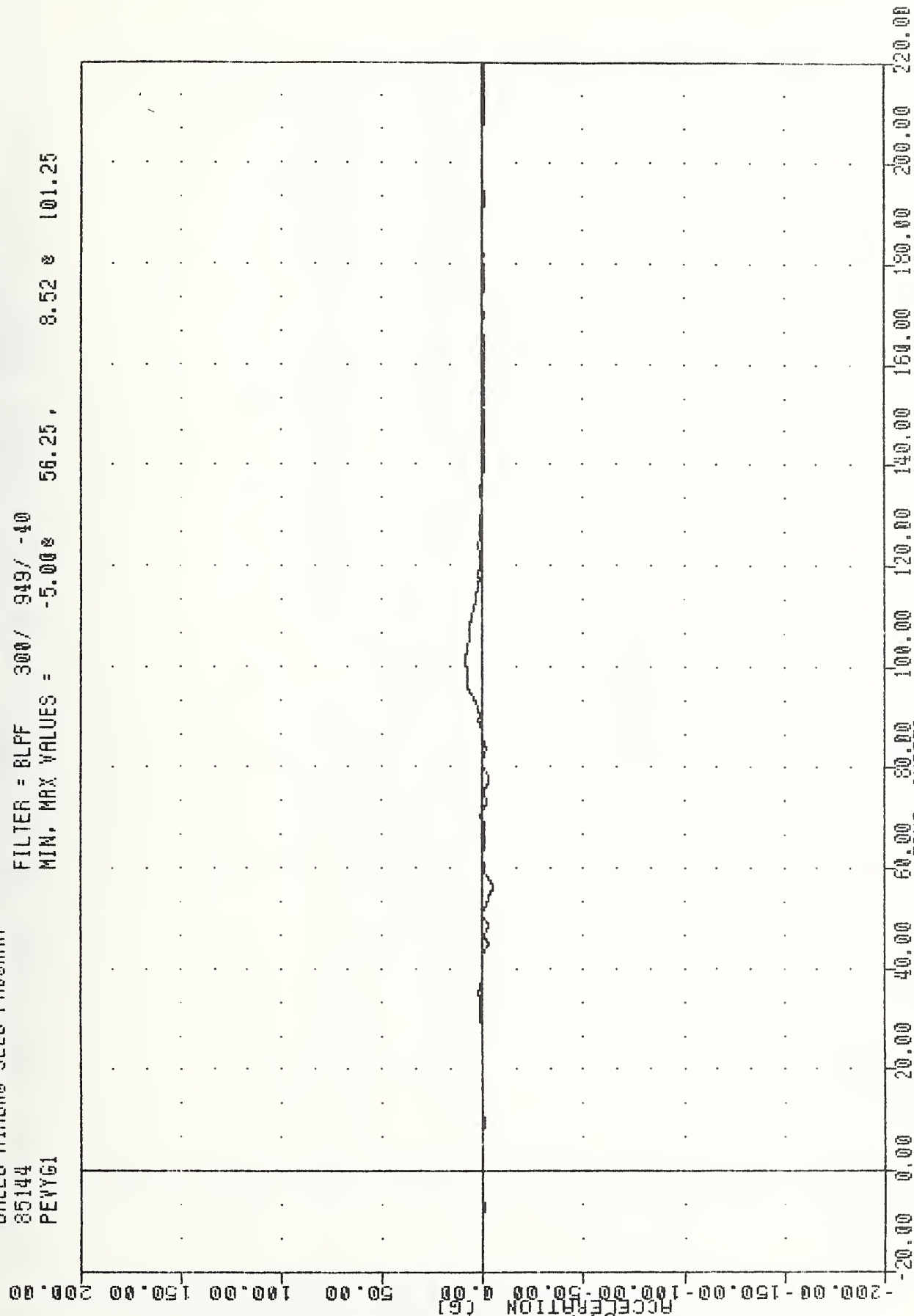
DELTA X USING PEVXV1

VRIC , 80384-4-39
BREED AIRBAG SLED PROGRAM
85144
PEVYG1

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -5.00 56.25 , 8.52 101.25



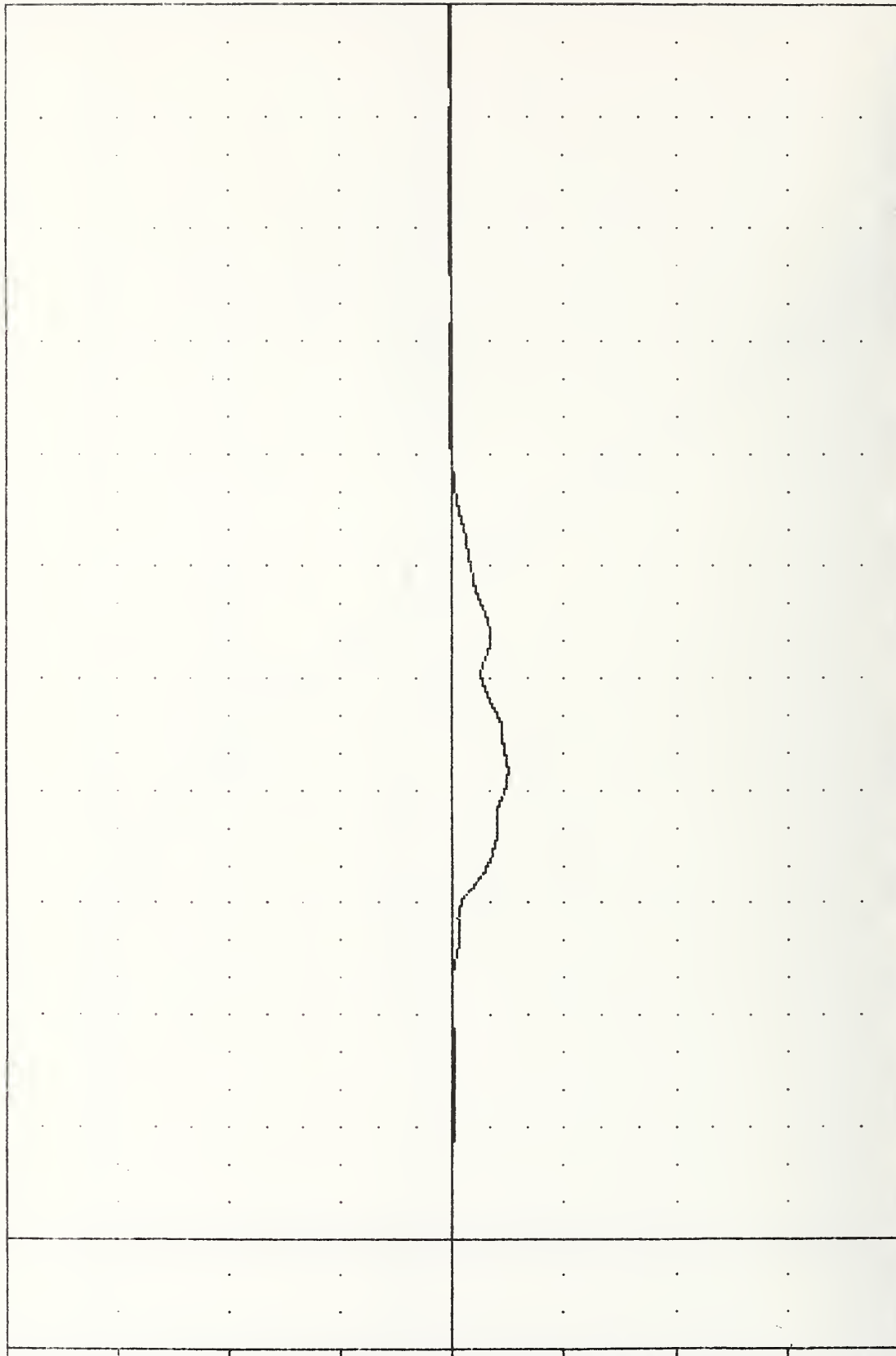
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VRTIC , RD084-4-30
 BREED AIRBAG SLED PROGRAM
 05144
 PEVZ61

PLOT DATE 28-MAR-85 13:12:24

FILTER = BLFF 300/ 949/ -40
 MIN. MAX VALUES = -24.71e 83.63 , 1.31 e , 194.75

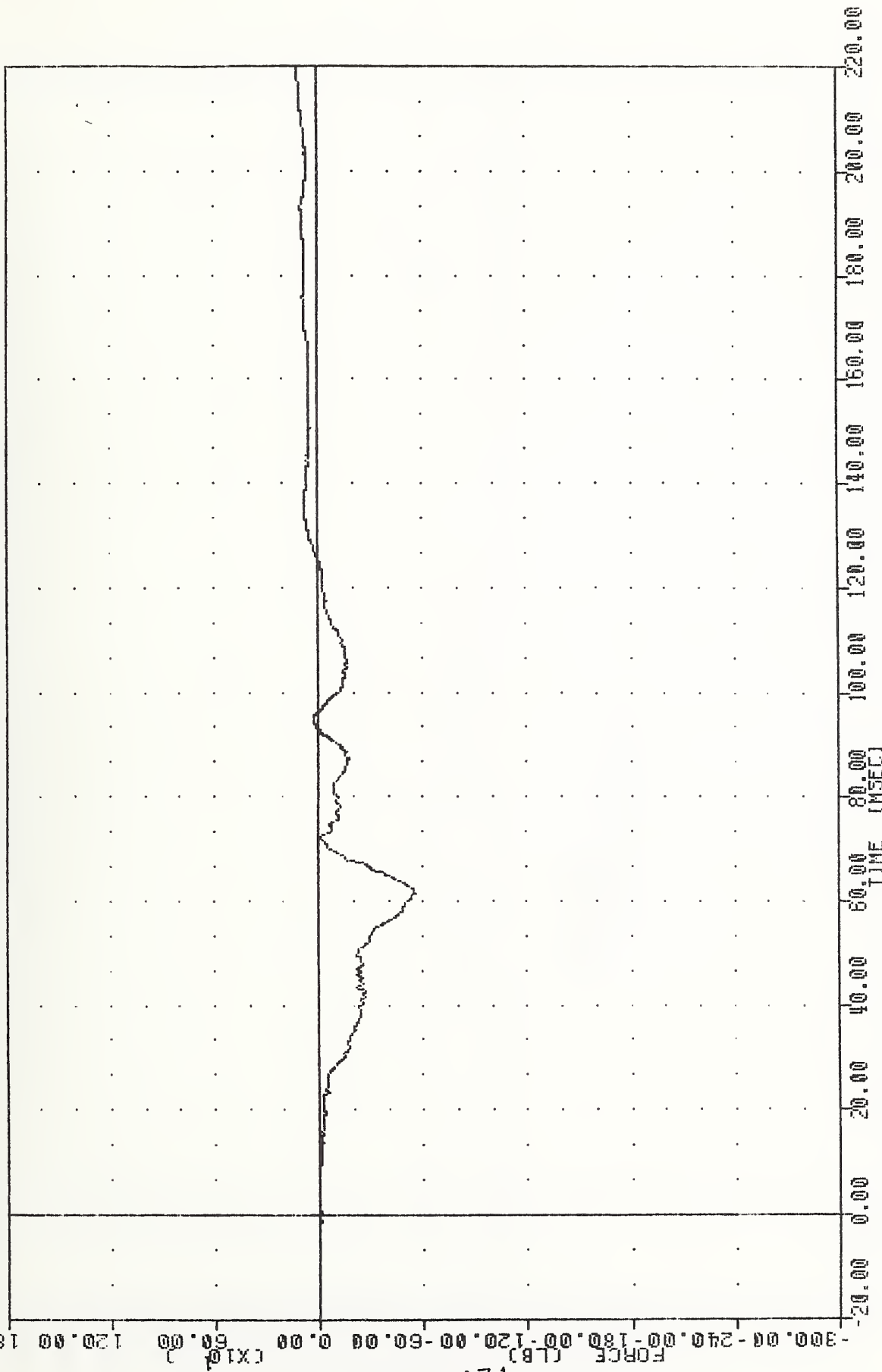
ACCELERATION (G)
 -200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00



-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 PELVIS ACCELERATION Z AXIS

VRTC , R0384-4-39 PLOT DATE 28-MAY-85 13:12:24
 BREED AIRBAG SLED PROGRAM
 85144
 LFMF1
 FILTER = BLPF 1000/ 3162/ -40
 MIN. MAX VALUES = -553.028 61.50 , 115.41 8 219.88



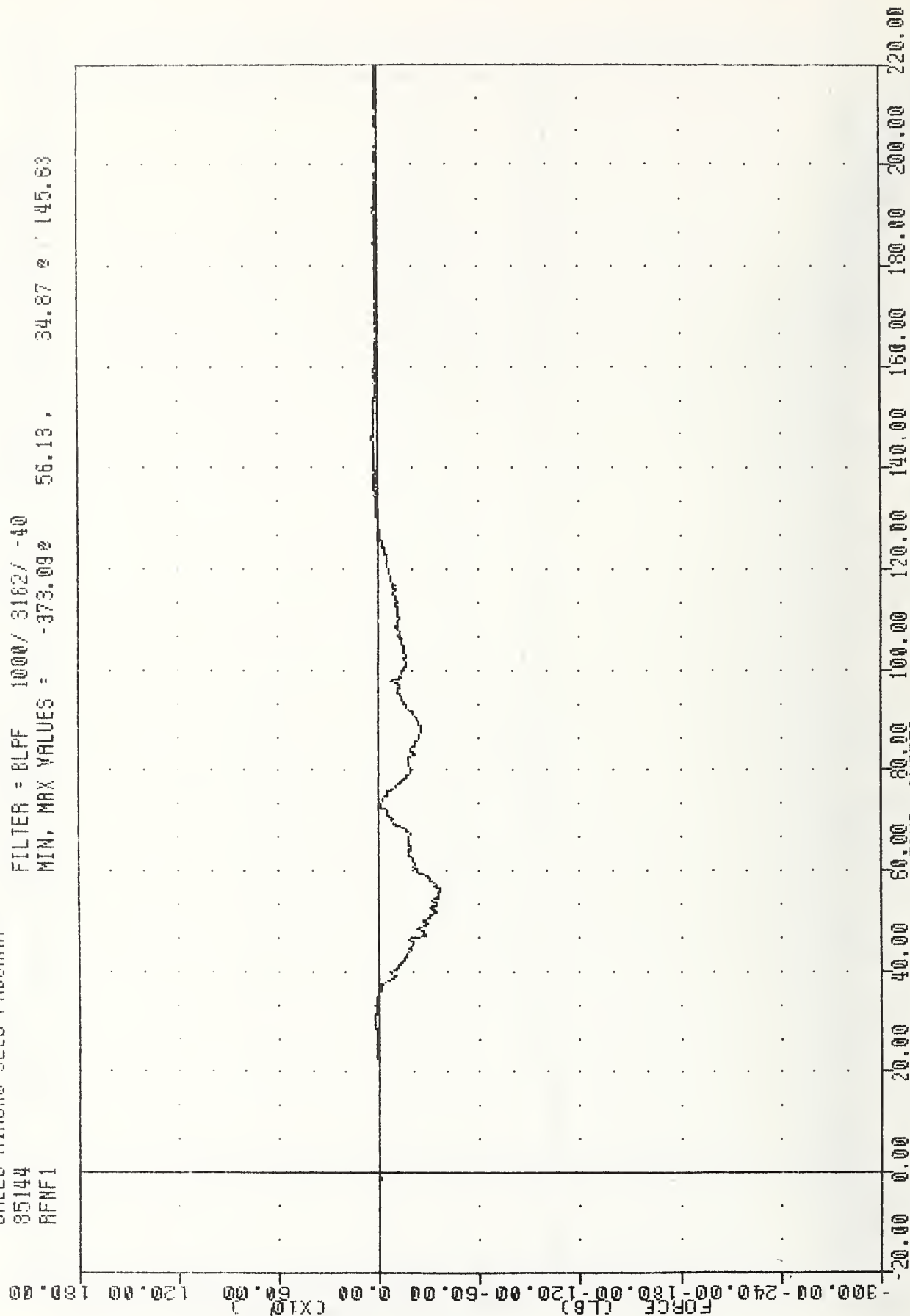
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

VRIC , R0384-4-39
 BREED AIRBAG SLED PROGRAM
 85144
 RFNF1

PLOT DATE 28-MAY-85 13:12:24

FILTER = 8LFF 1000/ 3162/ -40

MIN, MAX VALUES = -373.090 56.13, 34.87 0 145.63



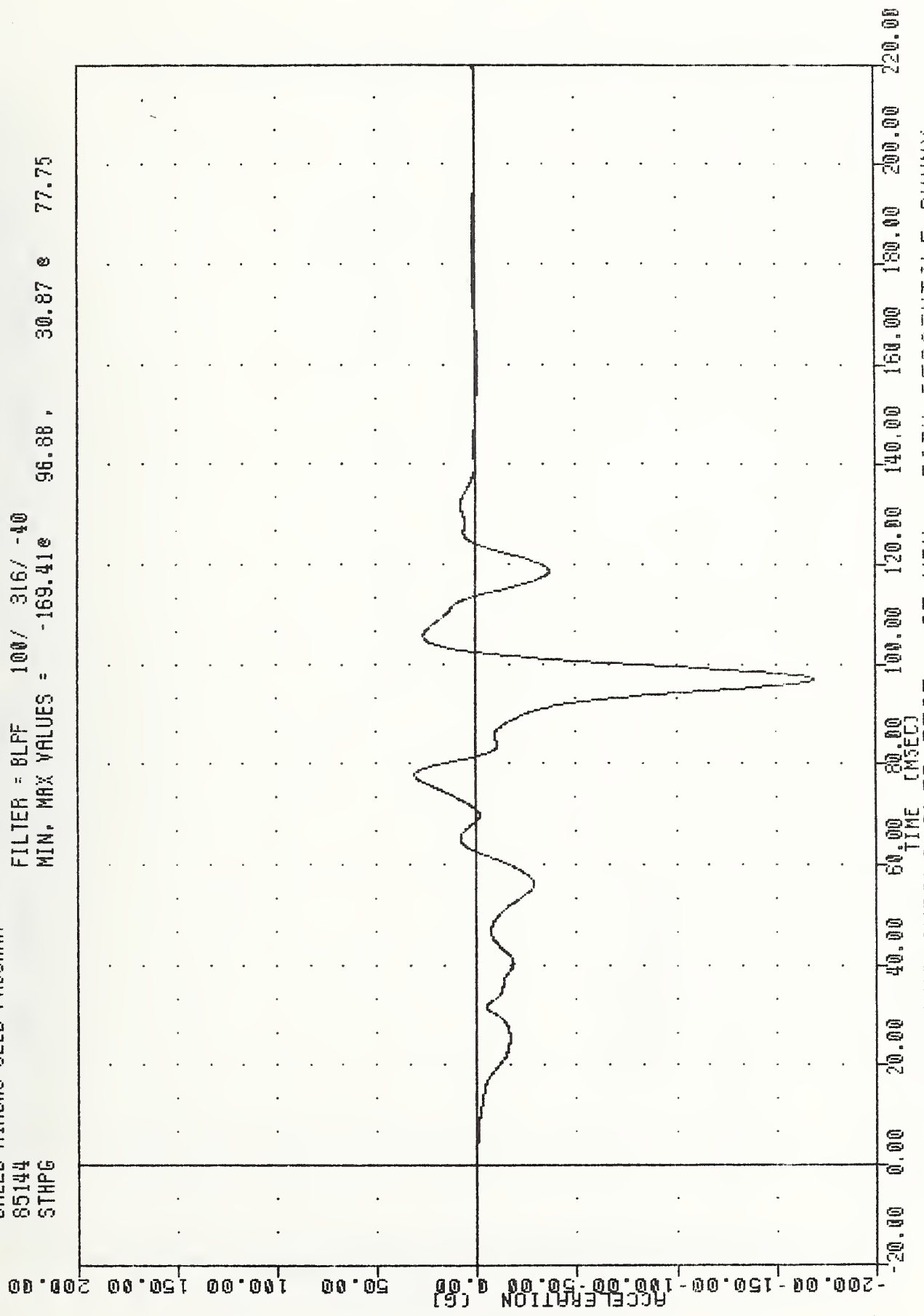
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

VRIC 80384-4-39
BREED AIRBAG SLED PROGRAM
85144
STHPC

PLOT DATE 28-MAY-85 13:12:24

FILTER = 8LPF 100/ 316/ -40

MIN, MAX VALUES = -169.41e 96.88, 30.87 e 77.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION A-P AXIS

VRIC
BREED AIRBAG SLED PROGRAM
85144
STHPY

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -37.230 120.88, -0.14 0 -16.63

10.00

0.00

0.00

-10.00

-20.00

-30.00

-40.00

-50.00

-60.00

-70.00

VELOCITY (MPH)

-70.00

-60.00

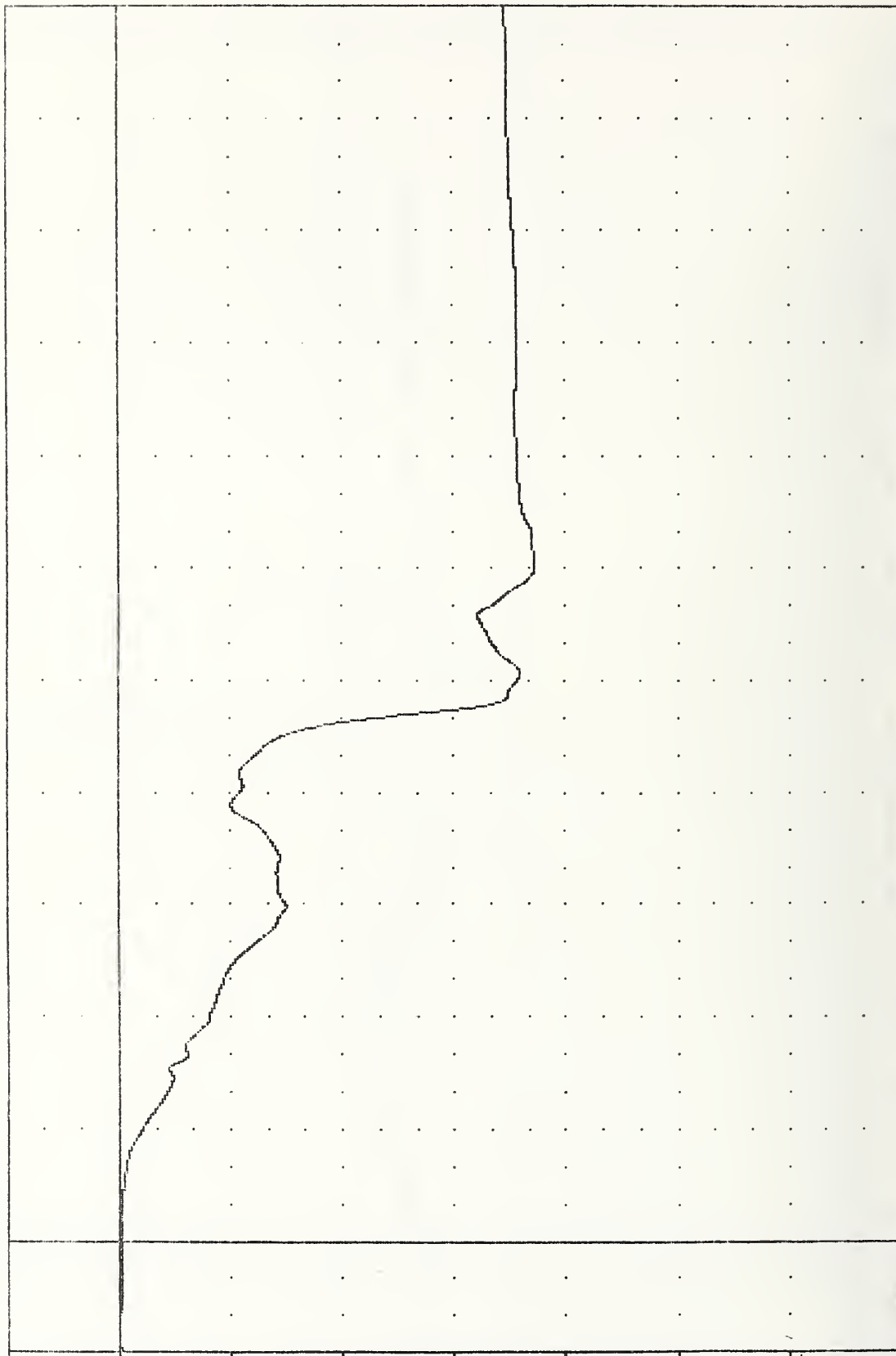
-50.00

-40.00

-30.00

-20.00

474



-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)

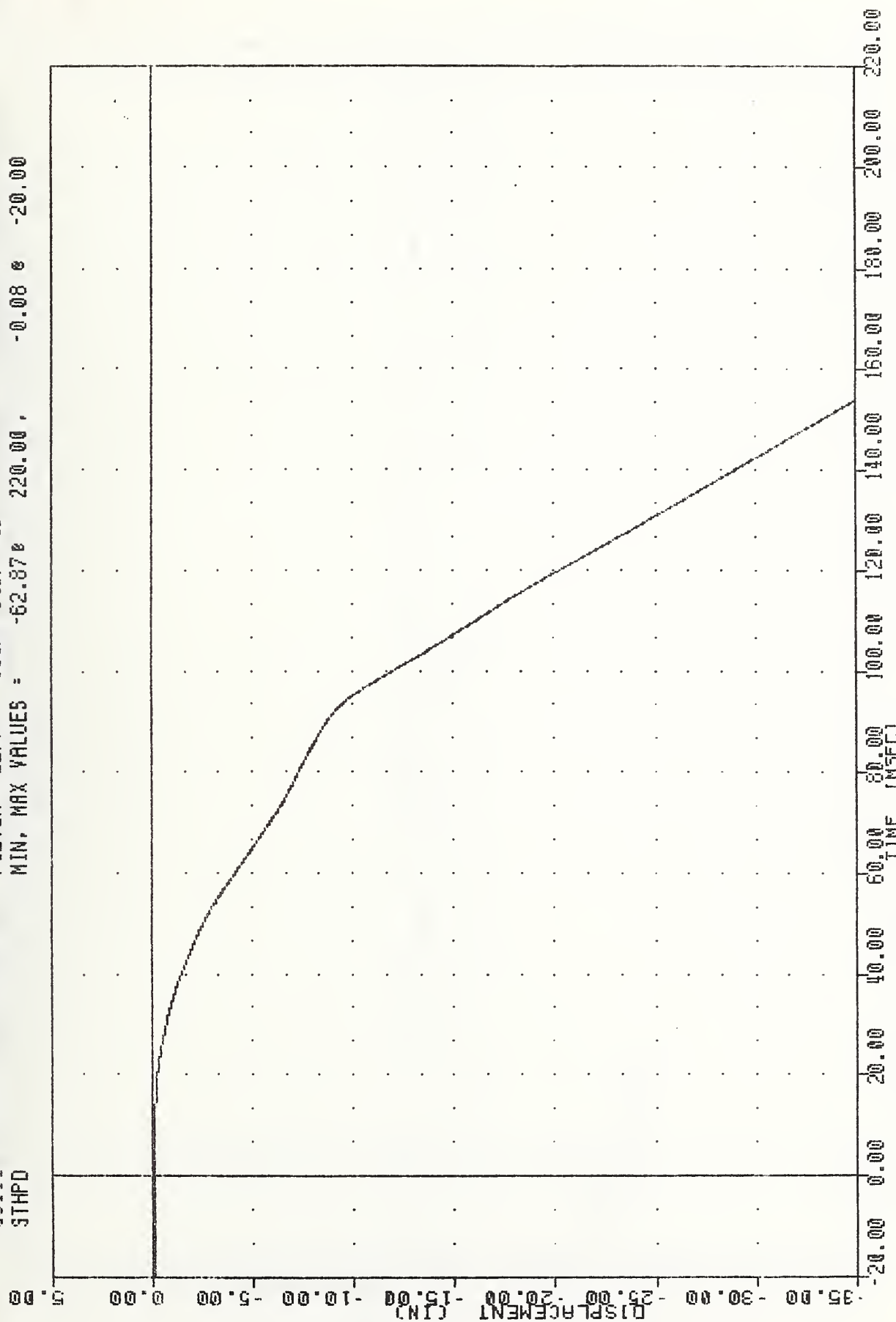
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

DELTA V USING STHPG

VRTC
BREED AIRBAG SLED PROGRAM
85144
STHPD

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -62.870 220.00, -0.08 0 -20.00

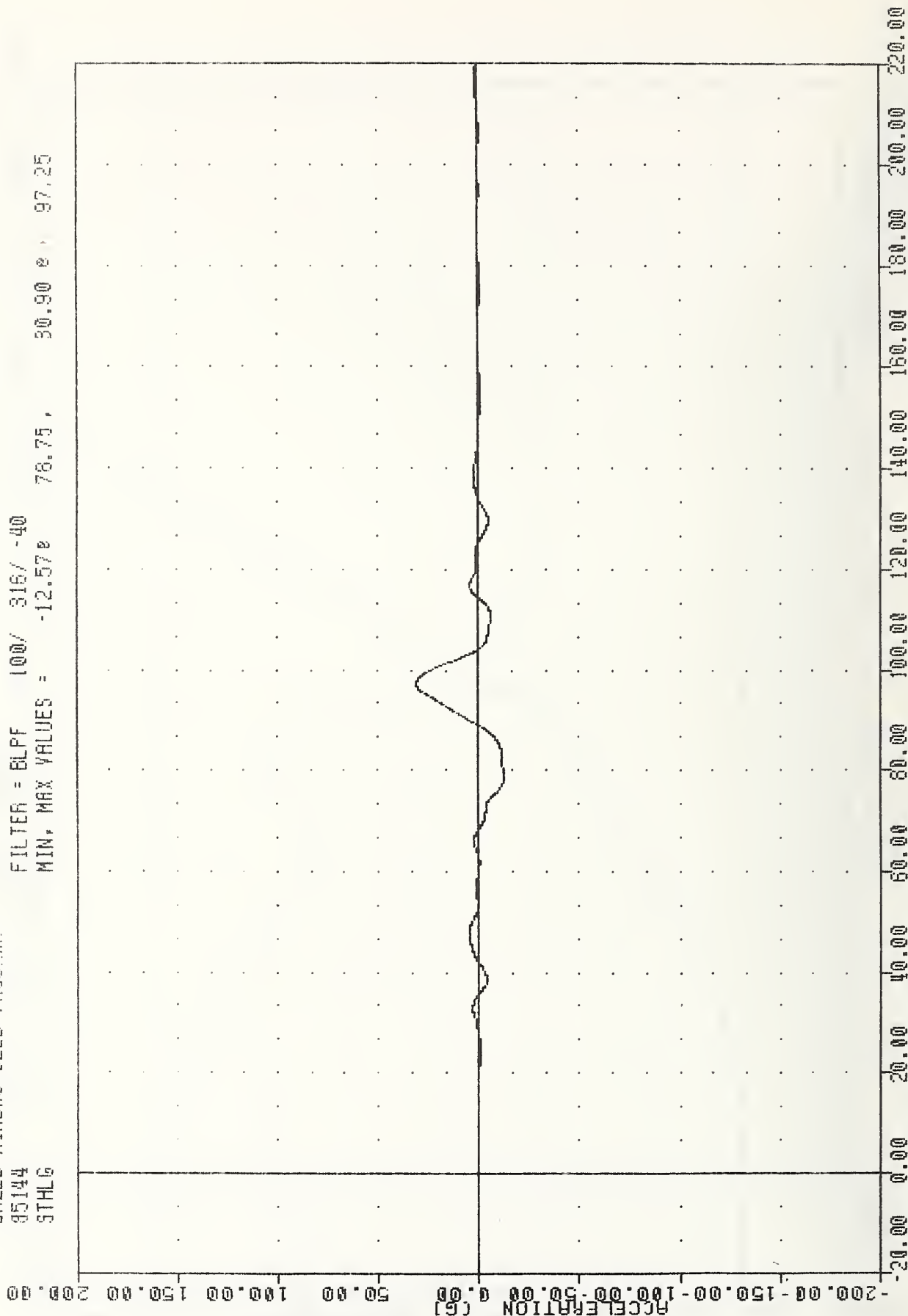


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING STHPV

VRTC
BREED AIRBAG SLED PROGRAM
85144
3THLG

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -12.570 78.75, 30.90 e, 97.25



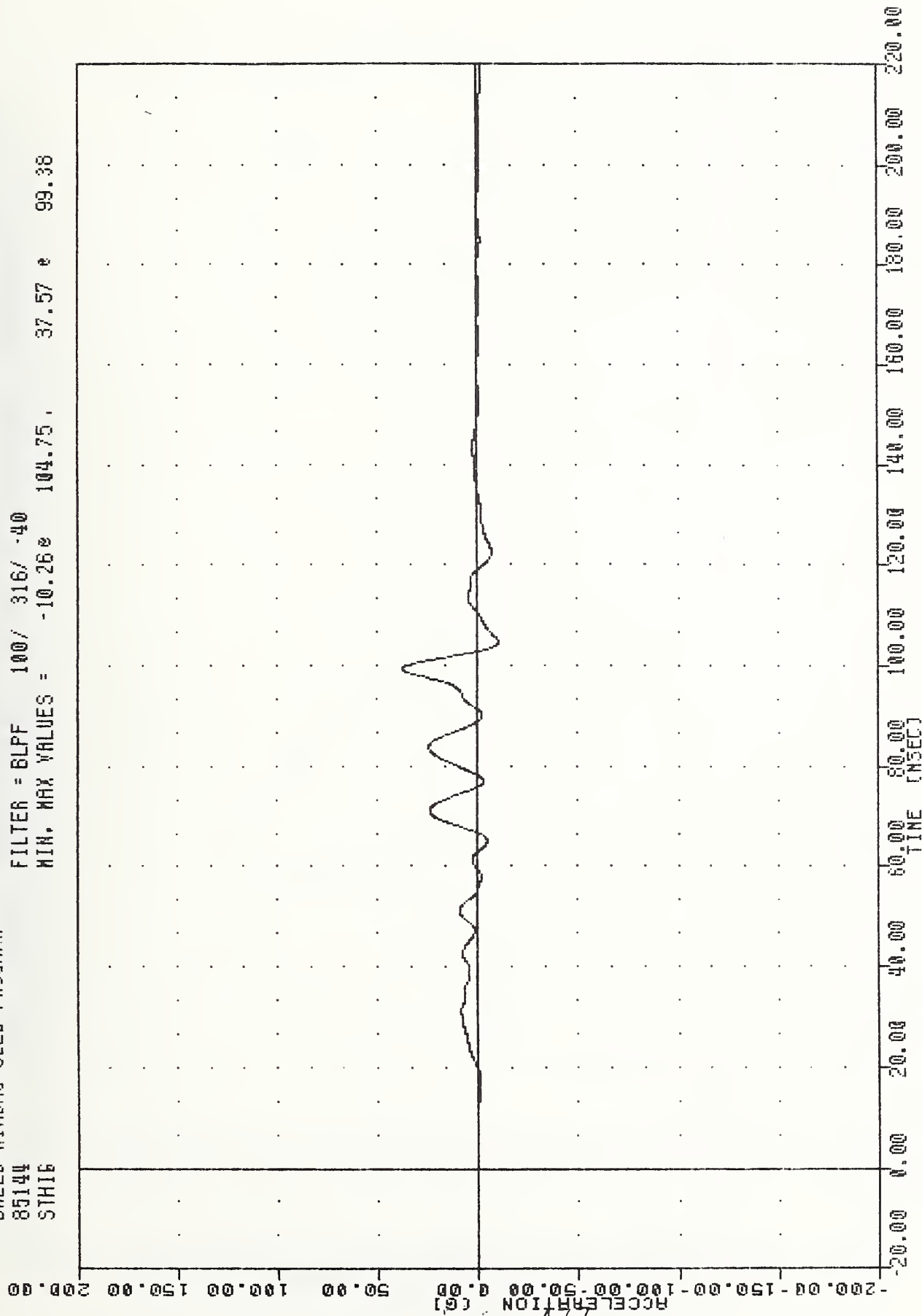
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

VRIC , RD384-4-39
BRAED AIRBAG SLED PROGRAM
85144
STH16

PLOT DATE 28-MAY-85 13:12:24

FILTER = 6LPF 100/ 316/ -40

MIN. MAX VALUES = -10.26e 104.75 , 37.57 e 99.38



VRIC : RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBXG

PLOT DATE 26-MAY-85 13:12:24

FILTER = BLPF 100/ 318/ -40

MIN. MAX VALUES = -25.58g 60.36, 1.02 e 189.00

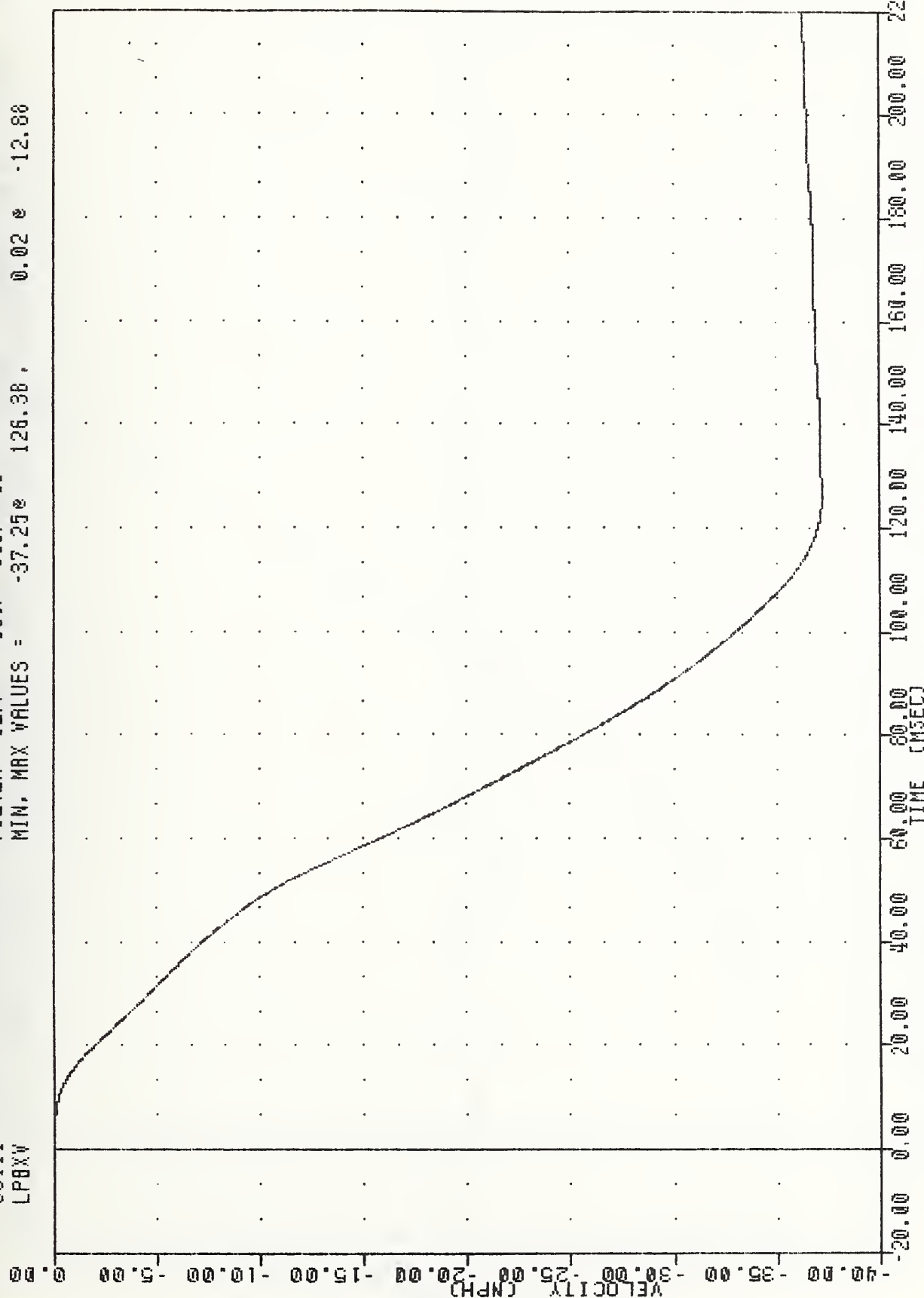


CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBXV

PLOT DATE 28-MAY-85 13:15:43

FILTER = 8LPF 300/ 949/ -40
MIN. MAX VALUES = -37.25% 126.38, 0.02 e -12.88



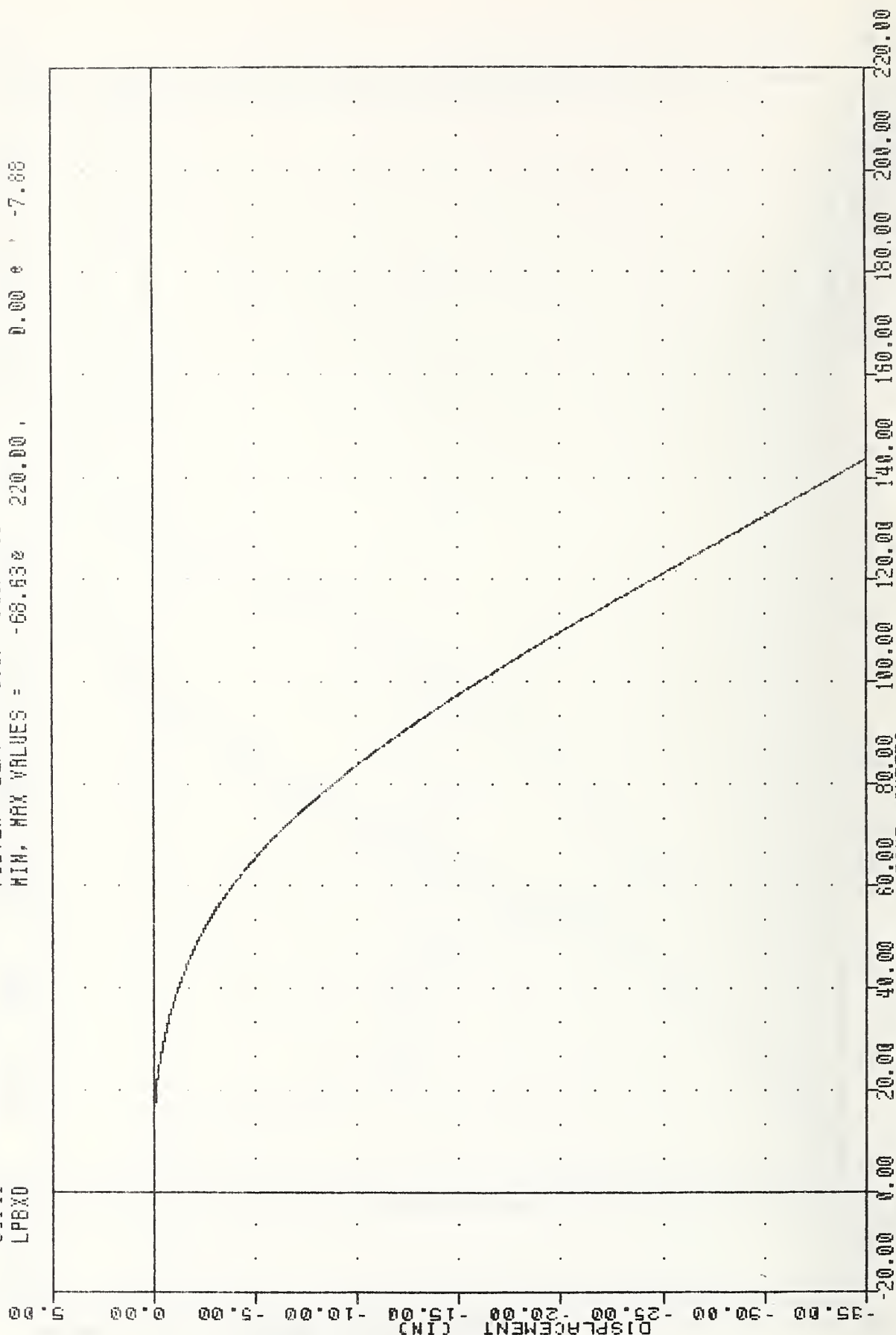
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA V USING LPBXG

VRIC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBX0

PLOT DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -68.63e 220.00, 0.00 e -7.88



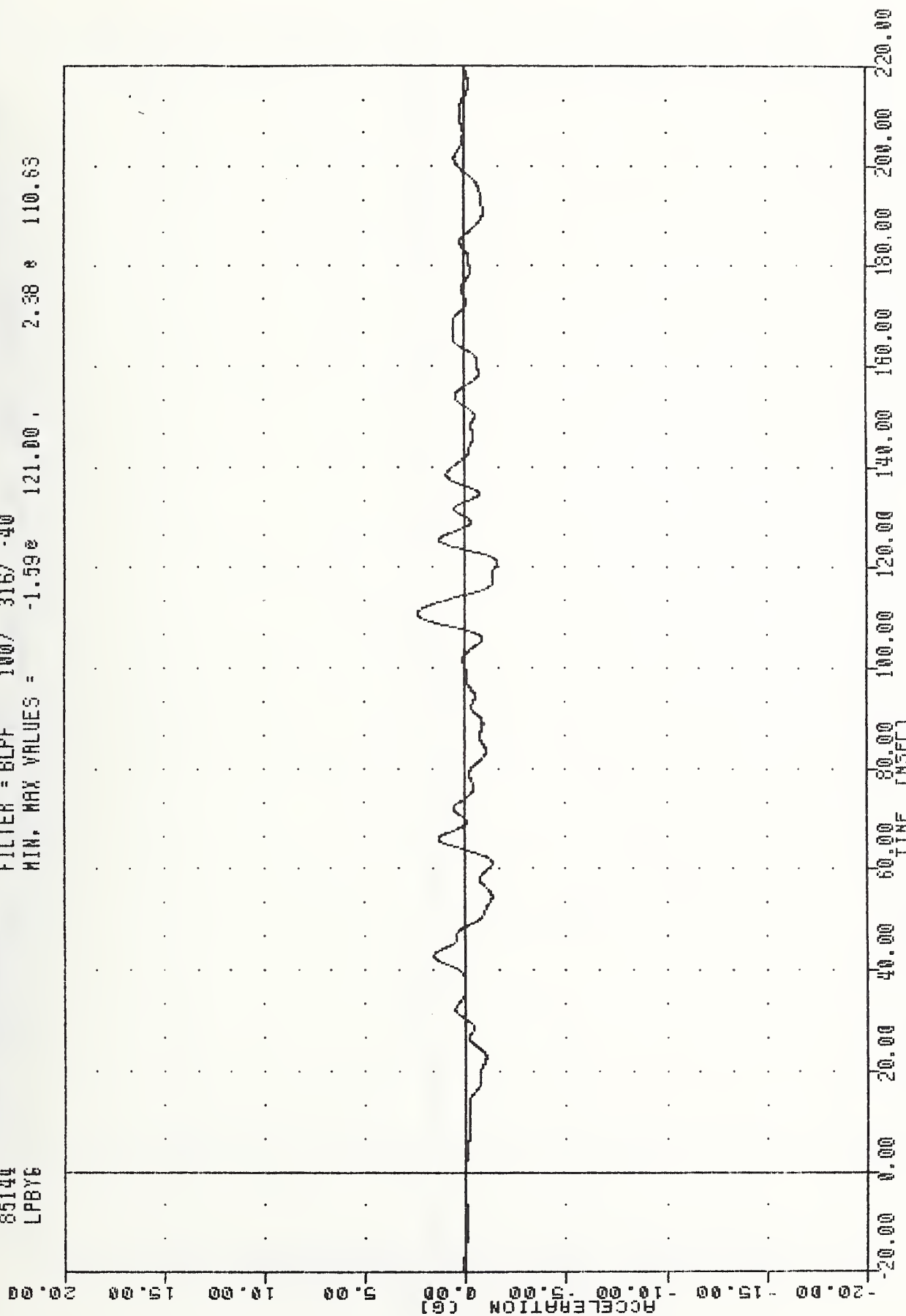
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DELTA X USING LPBXW

VATC , RD364-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBY6

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.59e 121.00, 2.38 e 110.63



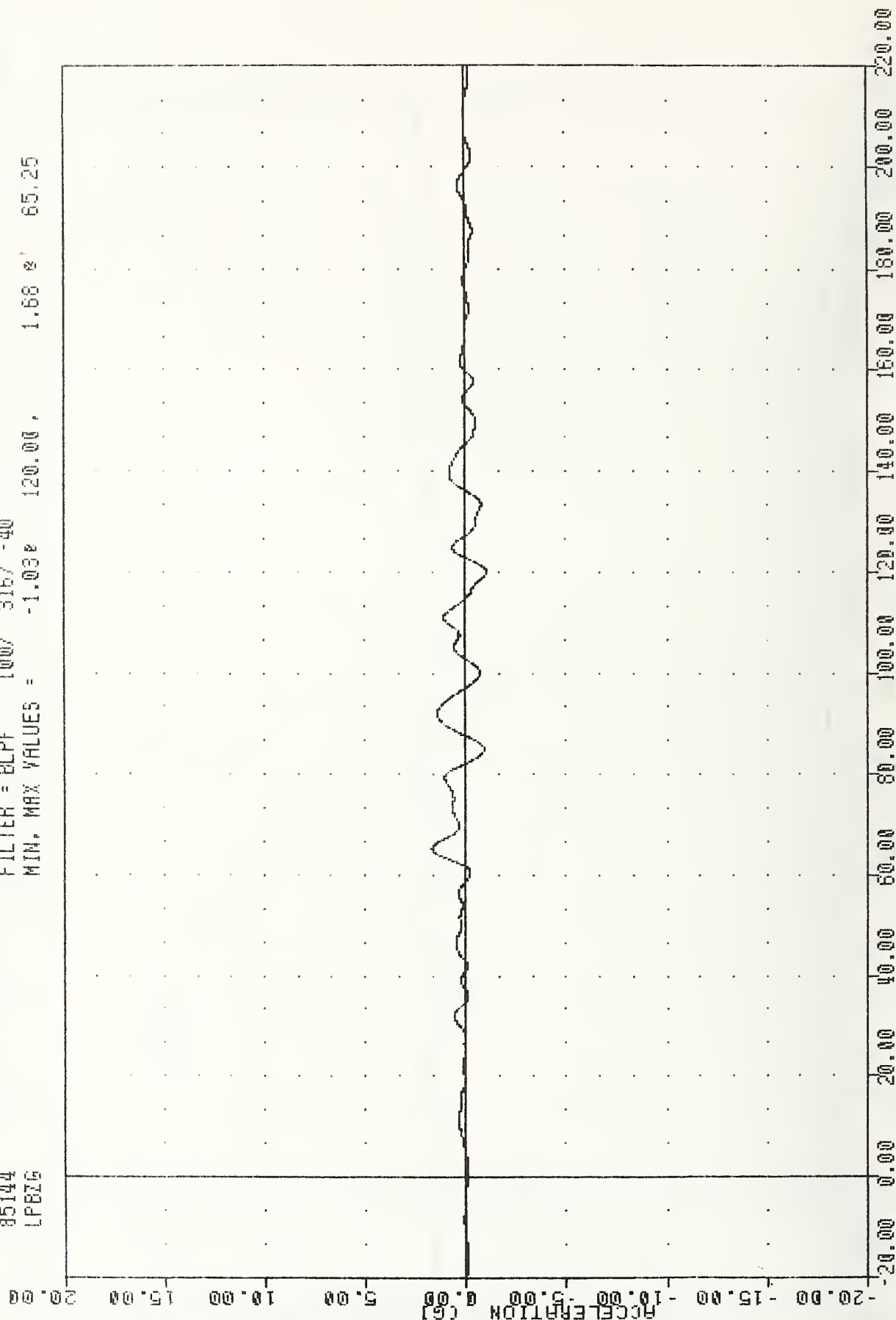
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LP87G

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.03g 120.00, 1.68 g 65.25



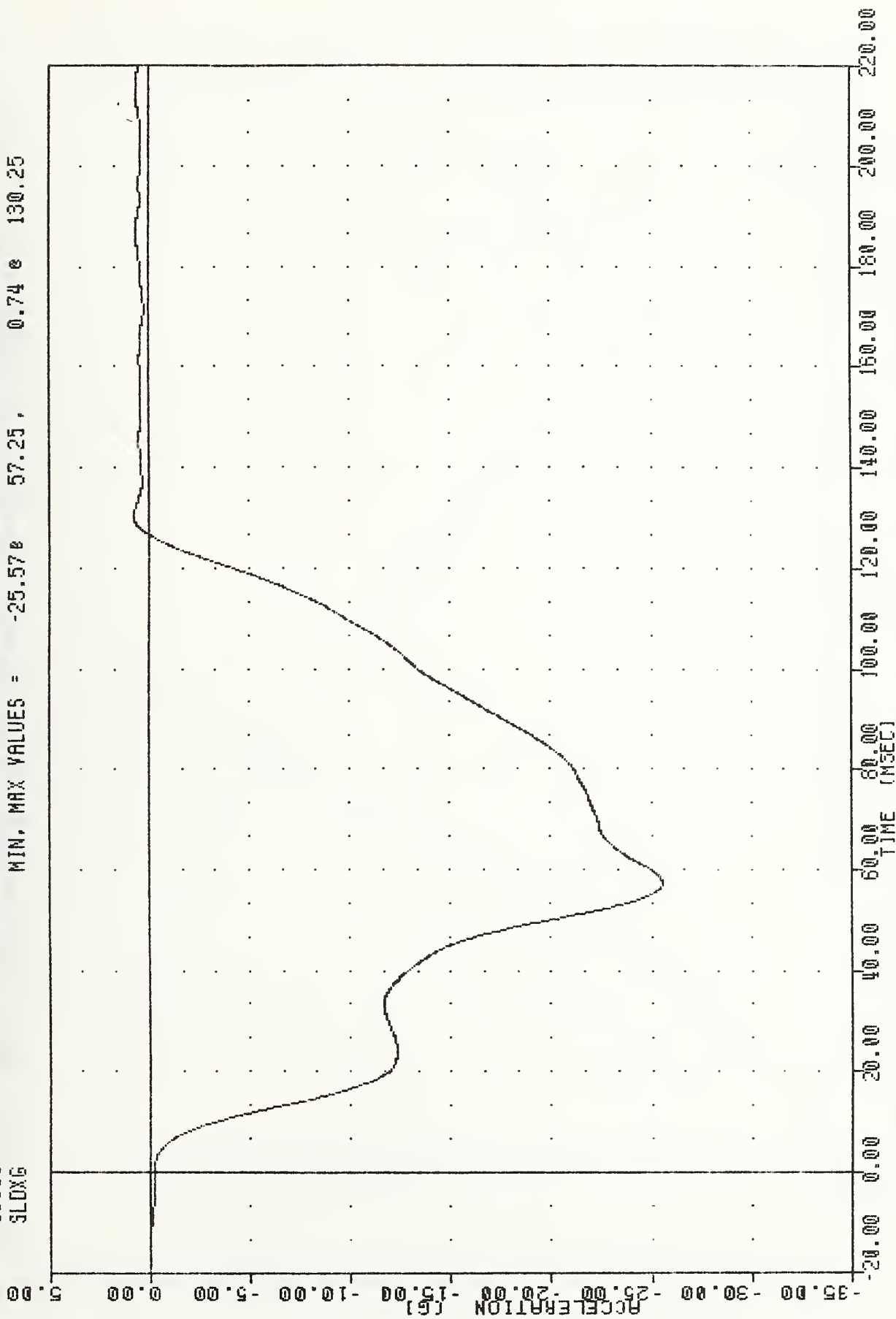
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRTC R0384-4-39
BREED AIRBAG SLED PROGRAM
85144
SLOXG

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -25.57 57.25, 0.74 @ 130.25

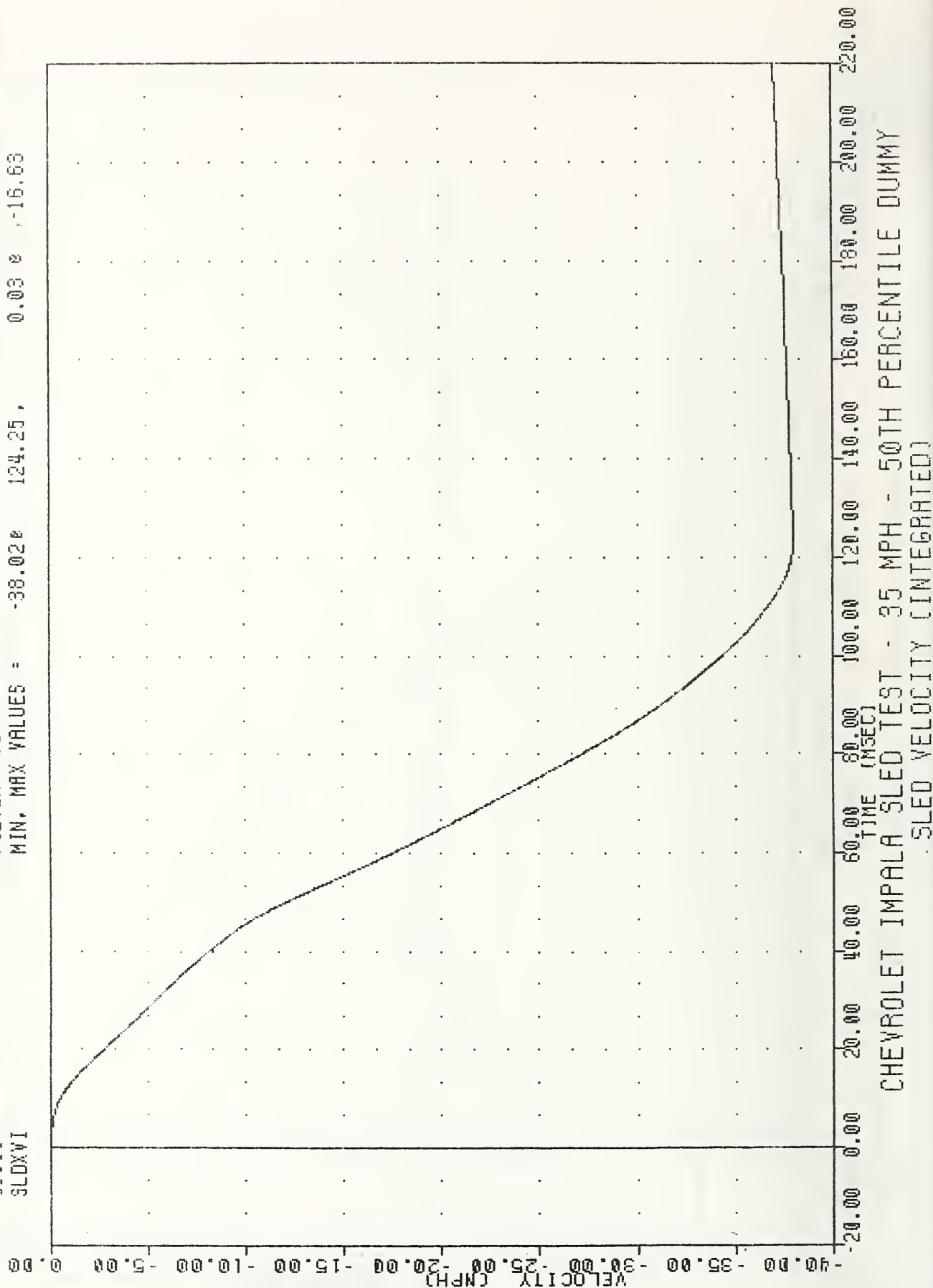


VRTC
BREED AIRBAG SLED PROGRAM
85144
SLOXVI

PLST DATE 28-MAY-85 13:15:43

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.028 124.25, 0.038 -16.63

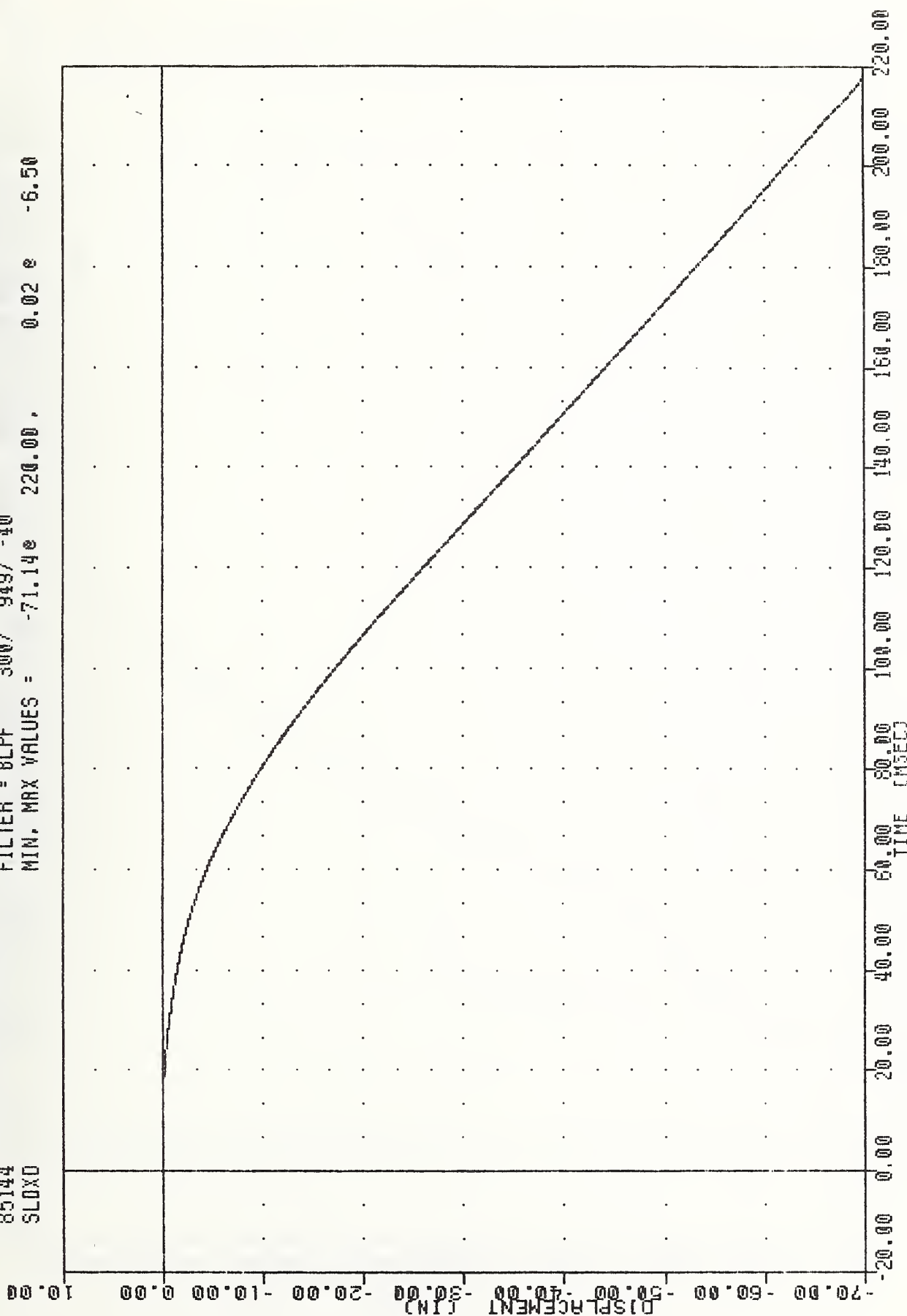


VRTC , R0384-4-39
 BREED AIRBAG SLED PROGRAM
 85144
 SLOXO

PLOT DATE 28-MAY-85 13:15:43

FILTER = 8LPF 300/ 949/ -10

MIN. MAX VALUES = -71.14e 220.00, 0.02 e -6.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY

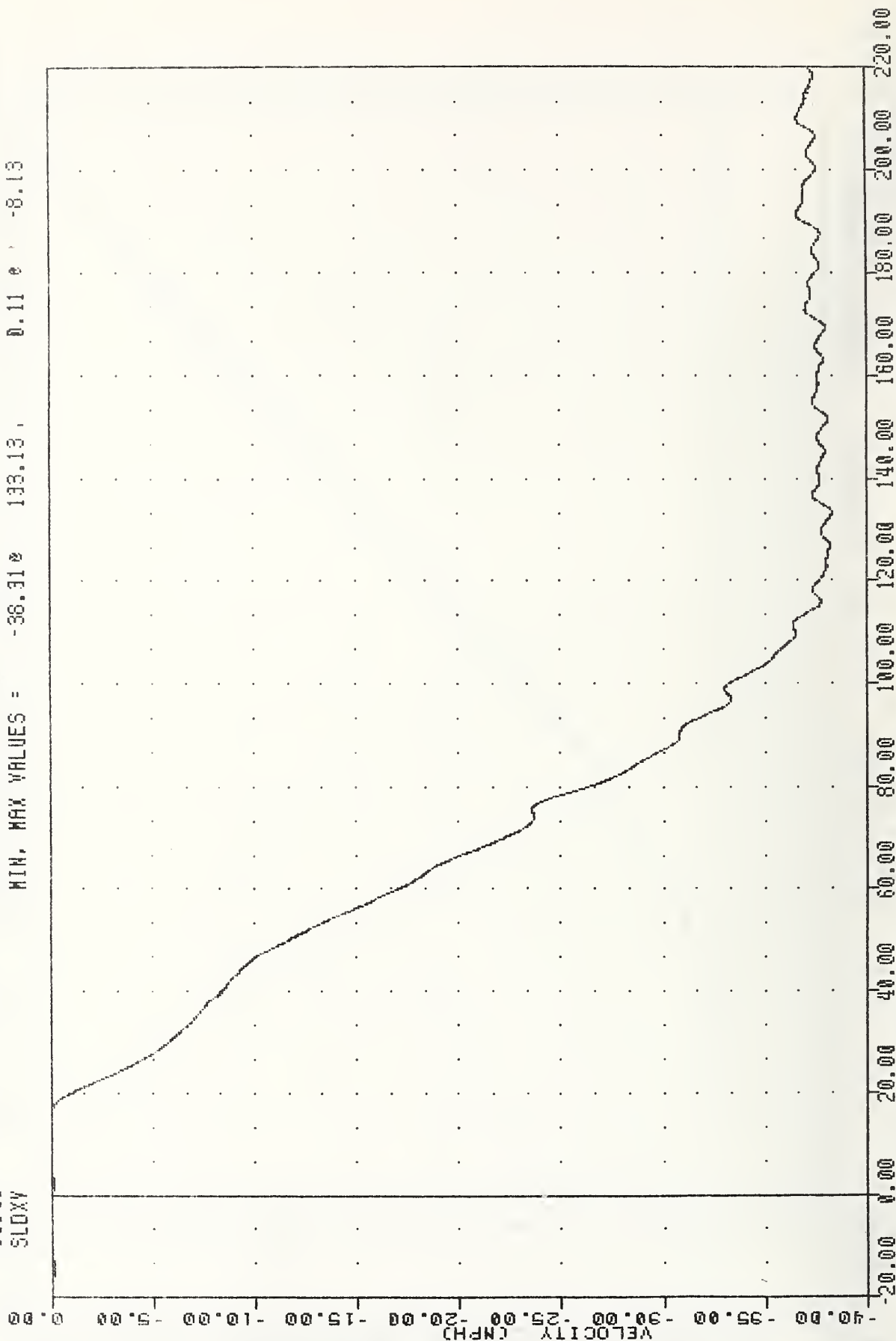
DELTA X USING SLOXVI

VRTC , RD384-4-39
 BREED AIRBAG SLED PROGRAM
 85144
 SLOXY

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 100/ 315/ -40

MIN, MAX VALUES = -38.310 133.13, 0.110 -8.13



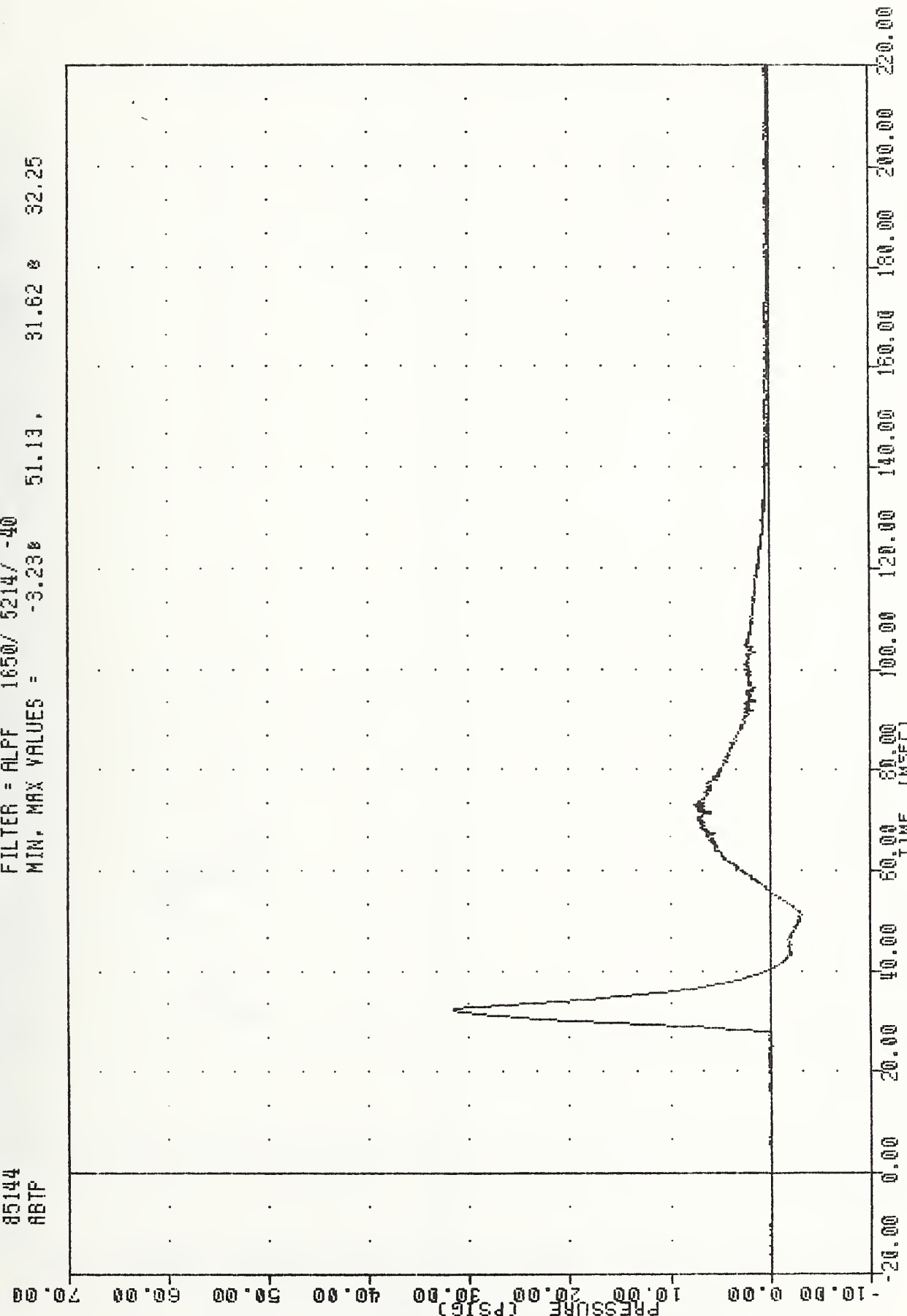
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 SLED VELOCITY (CHRYSLER)

WRTC , RD384-4-39
 BREED AIRBAG SLED PROGRAM
 85144
 ABTP

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.236 51.13, 31.62 32.25



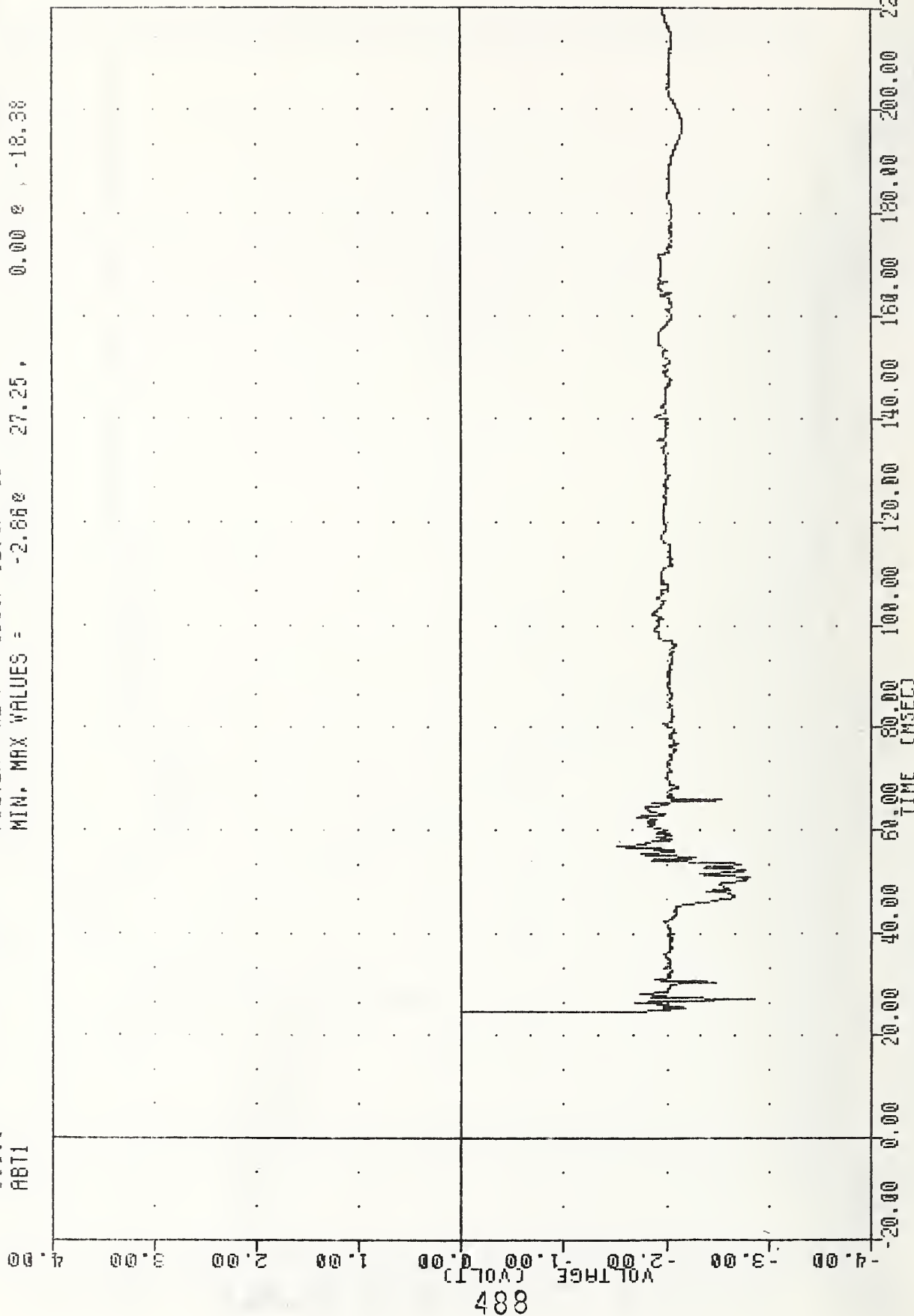
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VRIC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
ABT1

PLOT DATE 26 MAY 86 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.660 27.25, 0.000 -18.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SENSOR BURMWIRE 1

VRIC , RD384-4-39
BREC AIRBAG SLED PROGRAM
85144
ABT2

PLOT DATE 28-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -9.450 28.50 0.00 2.25

4.00

3.00

2.00

1.00

0.00

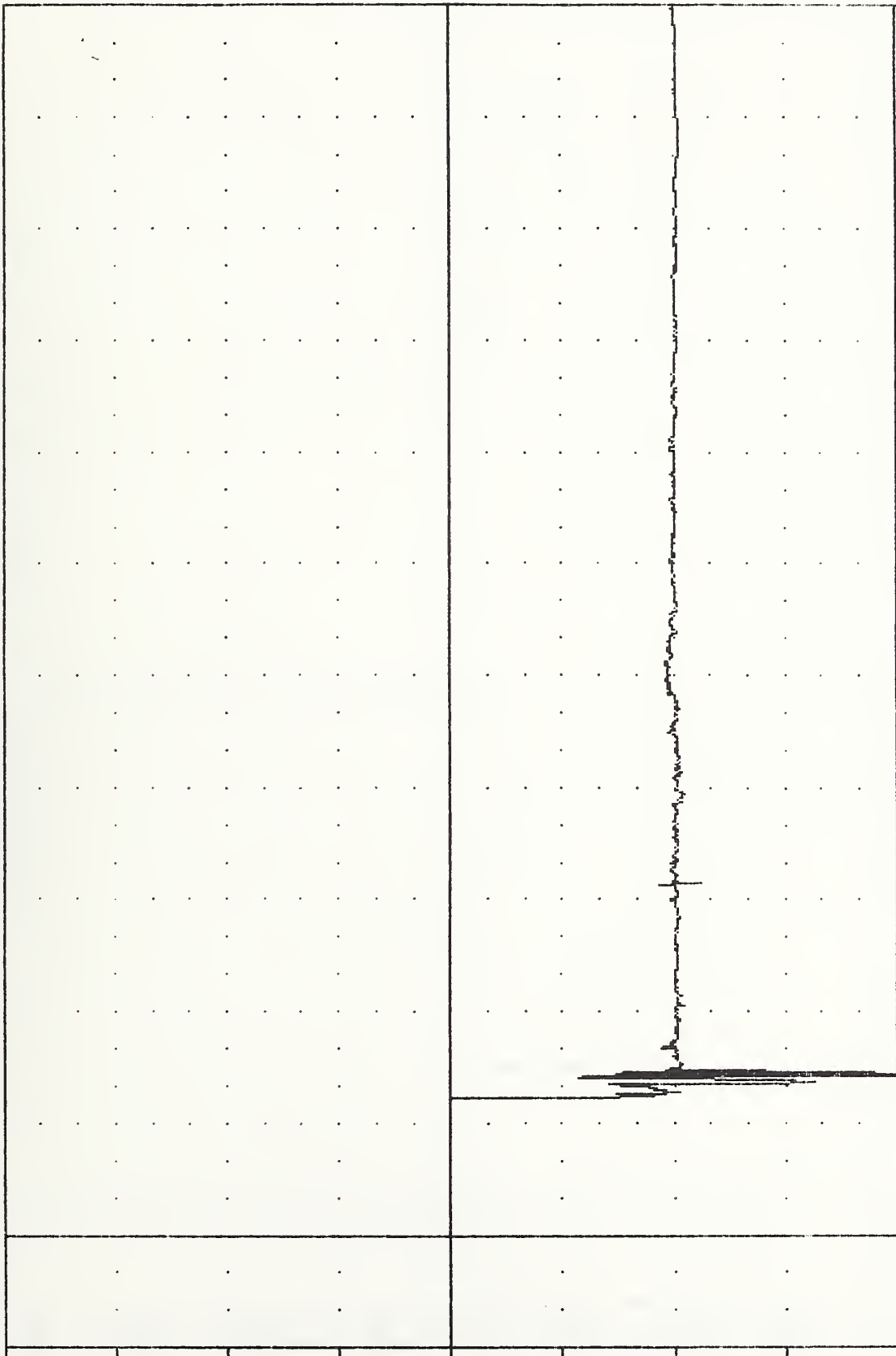
-1.00

-2.00

-3.00

-4.00

689



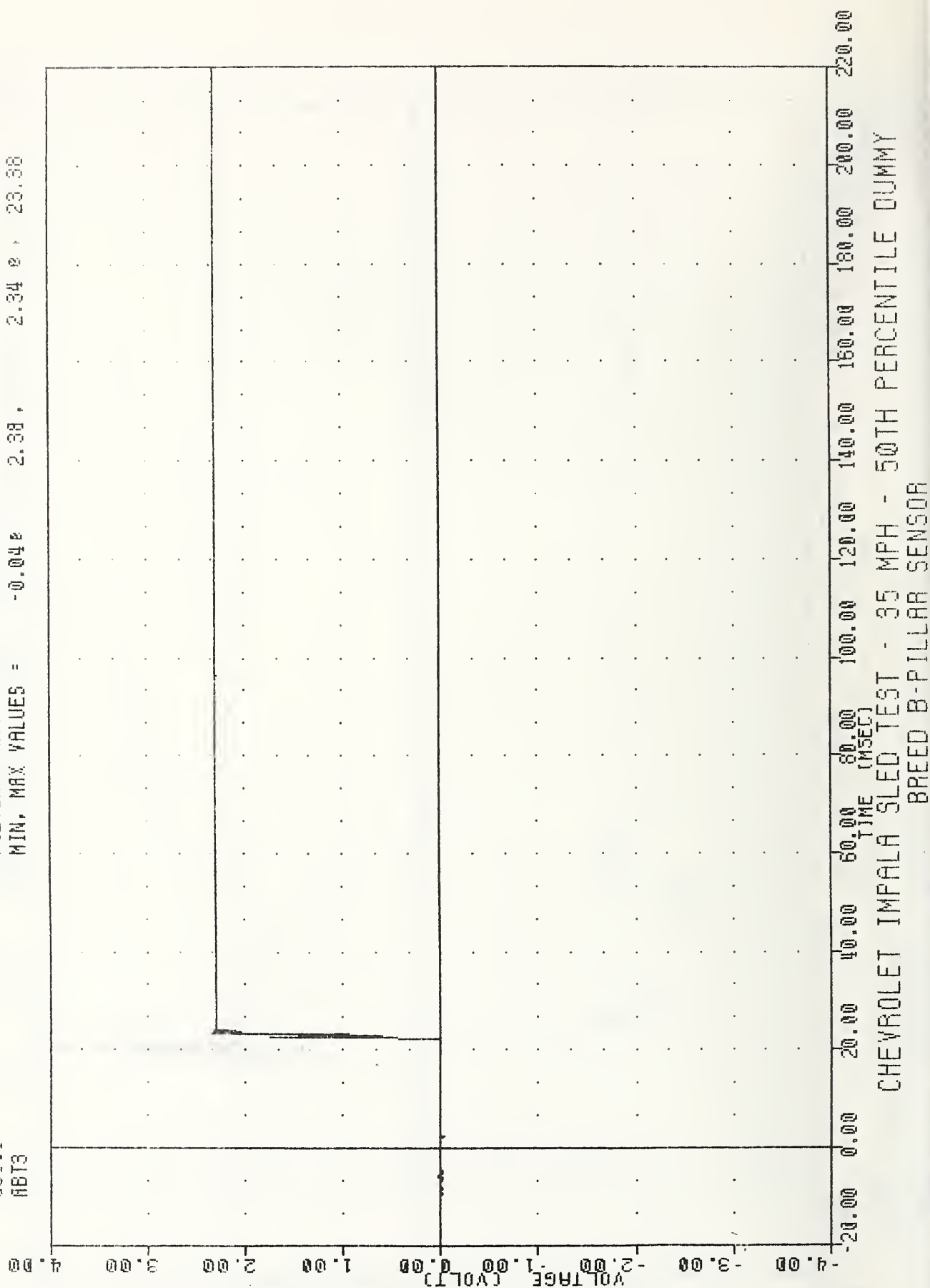
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRTC , R0384-4-89
BREED AIRBAG SLED PROGRAM
85144
ABTS

PLOT DATE 26-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -0.048 2.38 2.34 23.38

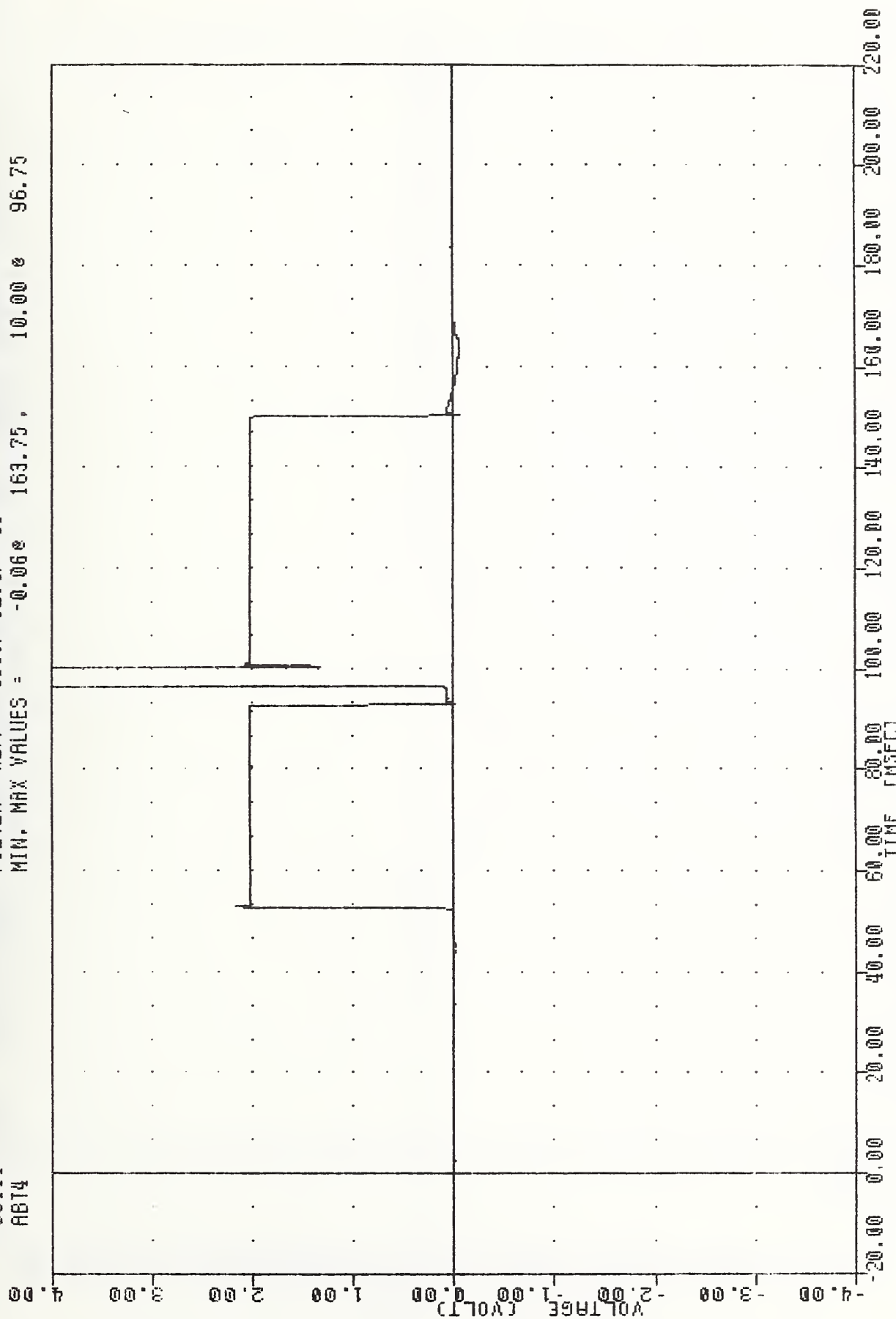


VRTC , RD384-4-33
 BREED AIRBAG SLED PROGRAM
 85144
 ABT4

PLOT DATE 26-MAY-85 13:12:24

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.06e 163.75, 10.00 e 96.75



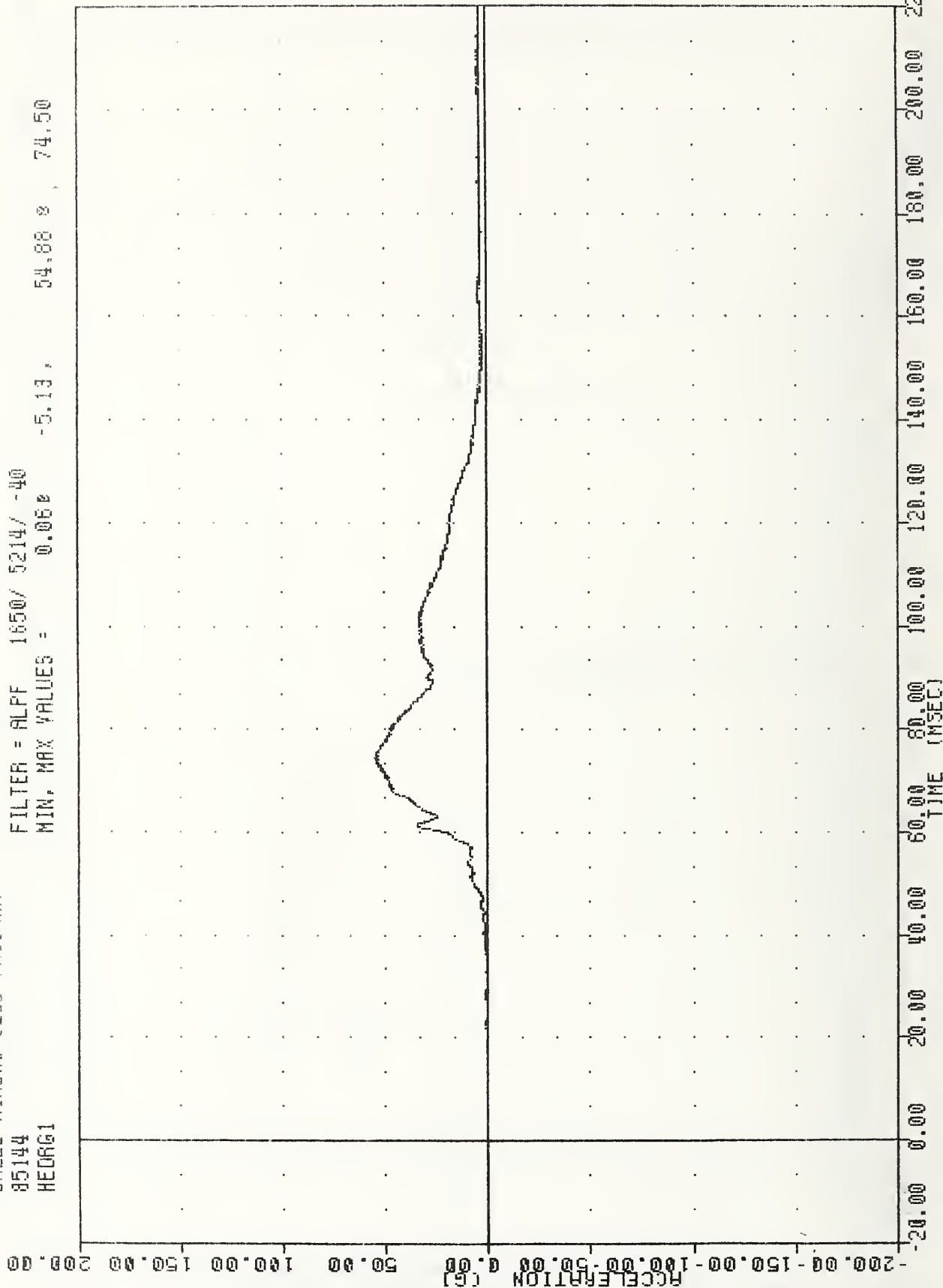
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 KNEE CONTACT

VRTC
BREED AIRBAG SLED PROGRAM
85144
HEAD1

PLOT DATE 28-MAY-85 13:25:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.060 -5.13, 54.88 0, 74.50



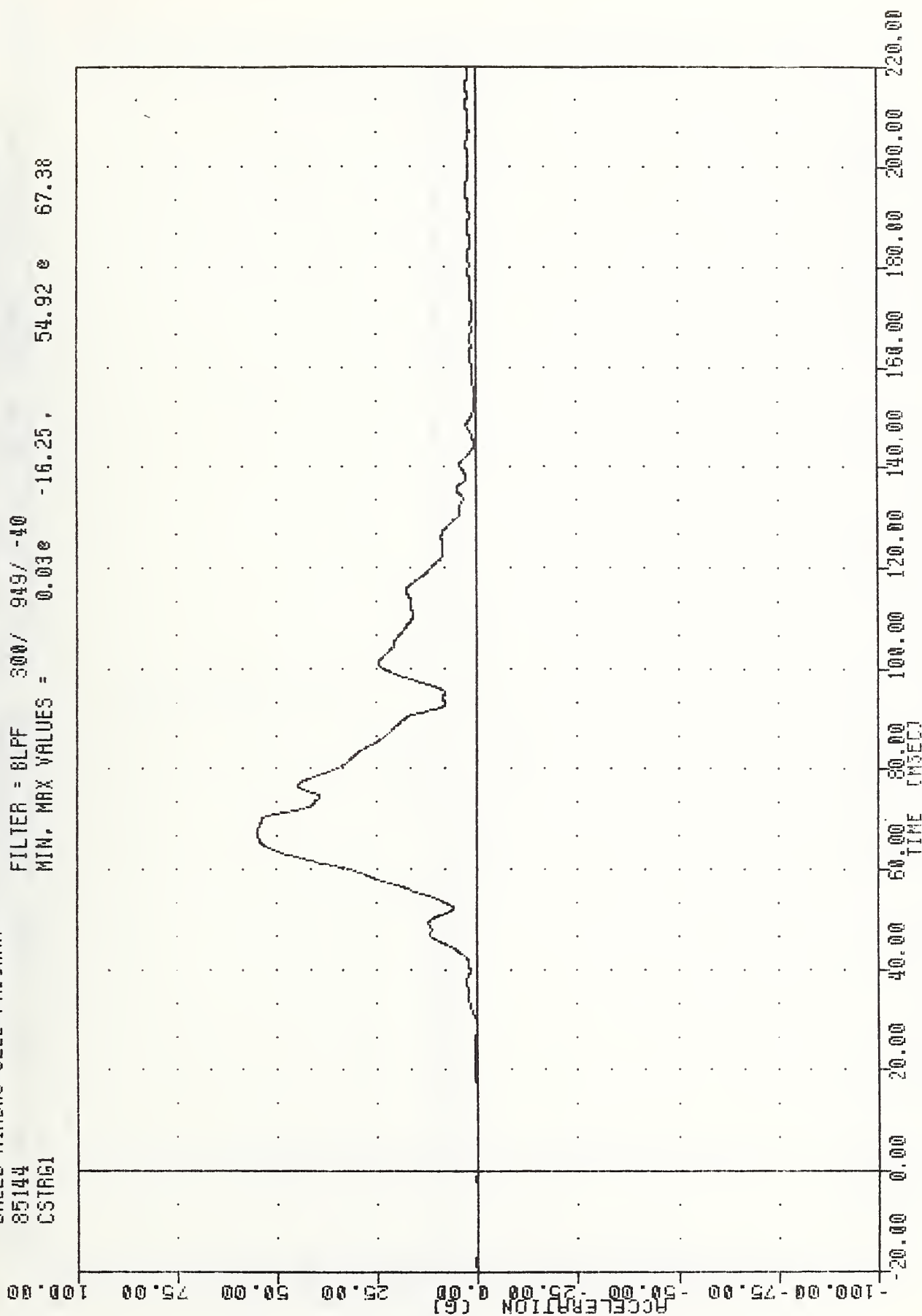
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRTC , PD384-4-39
BREED AIRBAG SLED PROGRAM
85144
CSTR61

PLOT DATE 28-MAY-85 13:25:26

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.03e -16.25 , 54.92 e 67.38



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

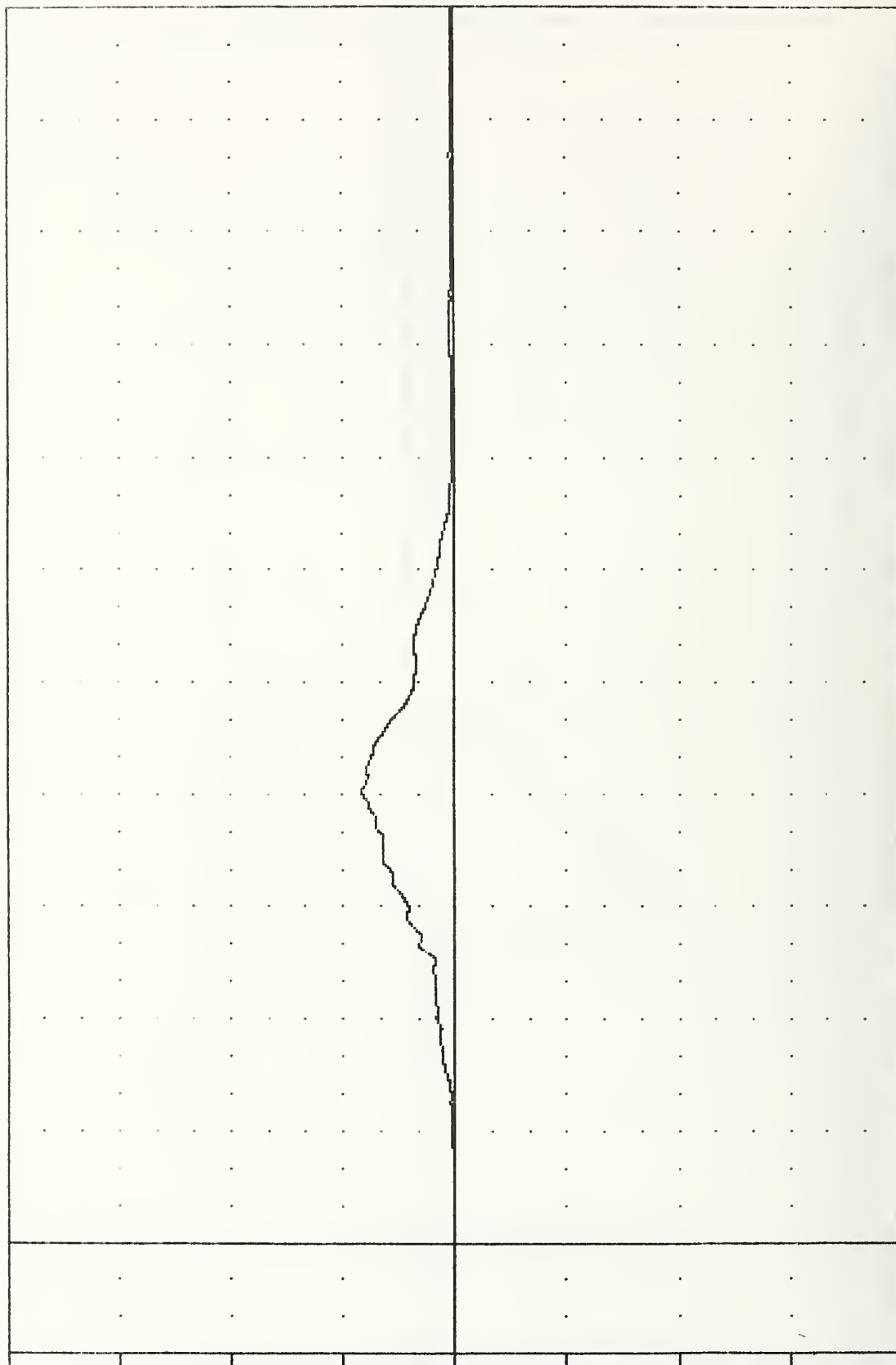
WRTC
 BREED AIRBAG SLED PROGRAM
 85144
 PEVR61

PLOT DATE 28-MAY-85 13:25:28

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.072 -8.88 , 41.37 * , 80.50

ACCELERATION (G)



TIME (MSEC)

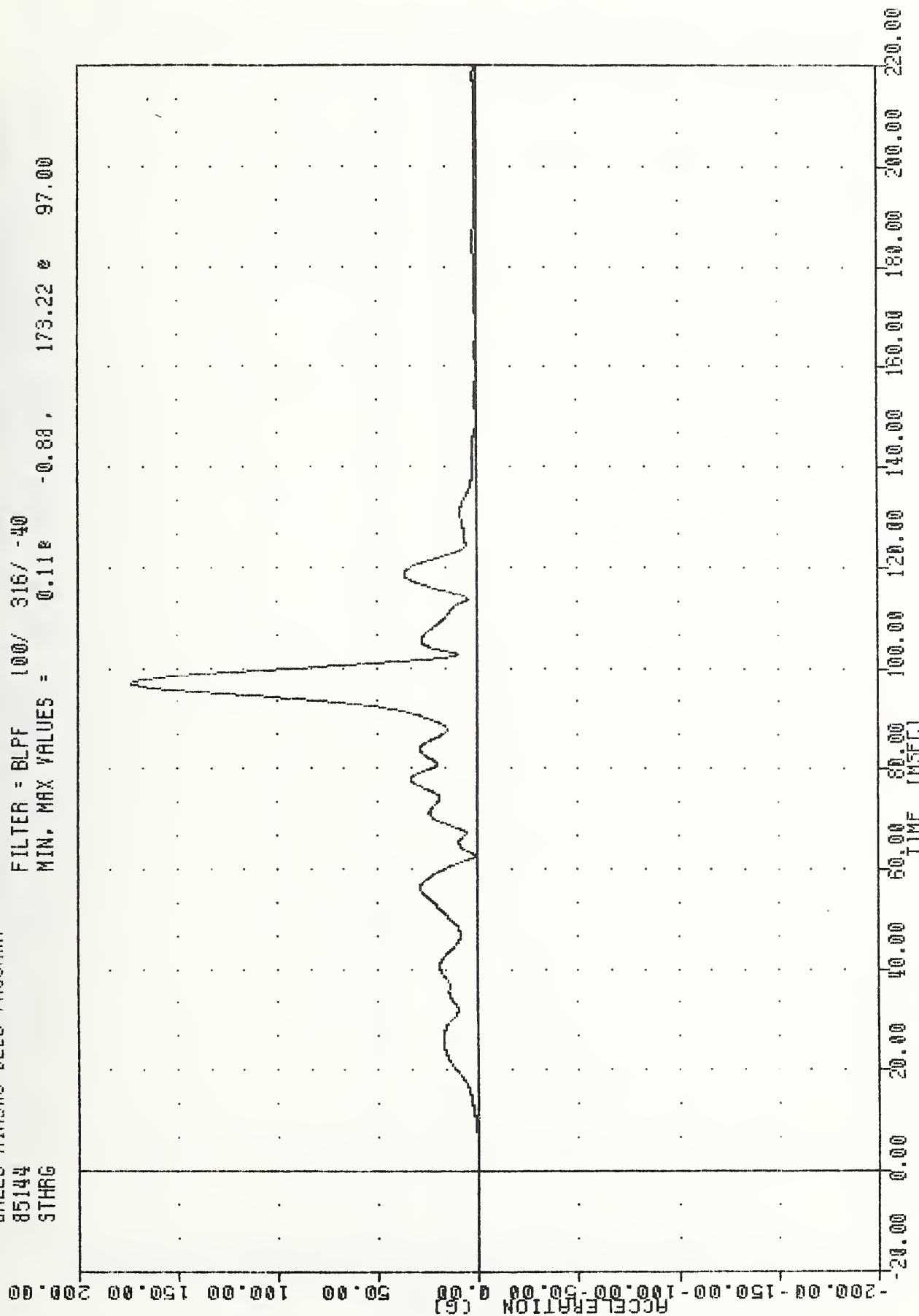
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER PELVIS RESULTANT

VRTC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
3THRG

PLOT DATE 28-MAY-85 13:25:28

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.11g -0.8g, 173.22 g 97.00



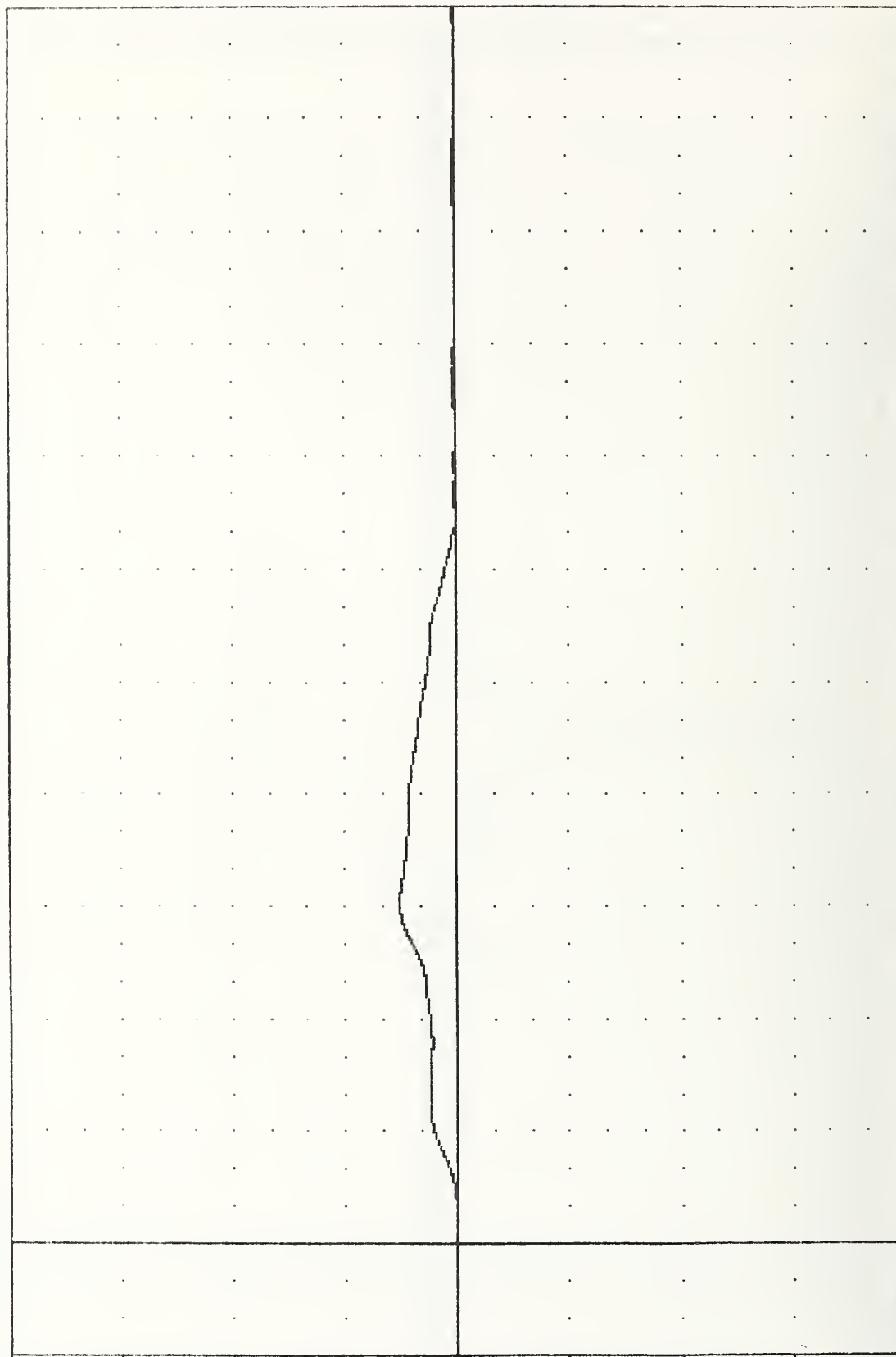
VRIC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LPBRG

PLOT DATE 28-MAY-85 13:25:28

FILTER = 8LFF 100/ 316/ -40

MIN. MAX VALUES = 0.098 176.63, 25.61 8, 60.38

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

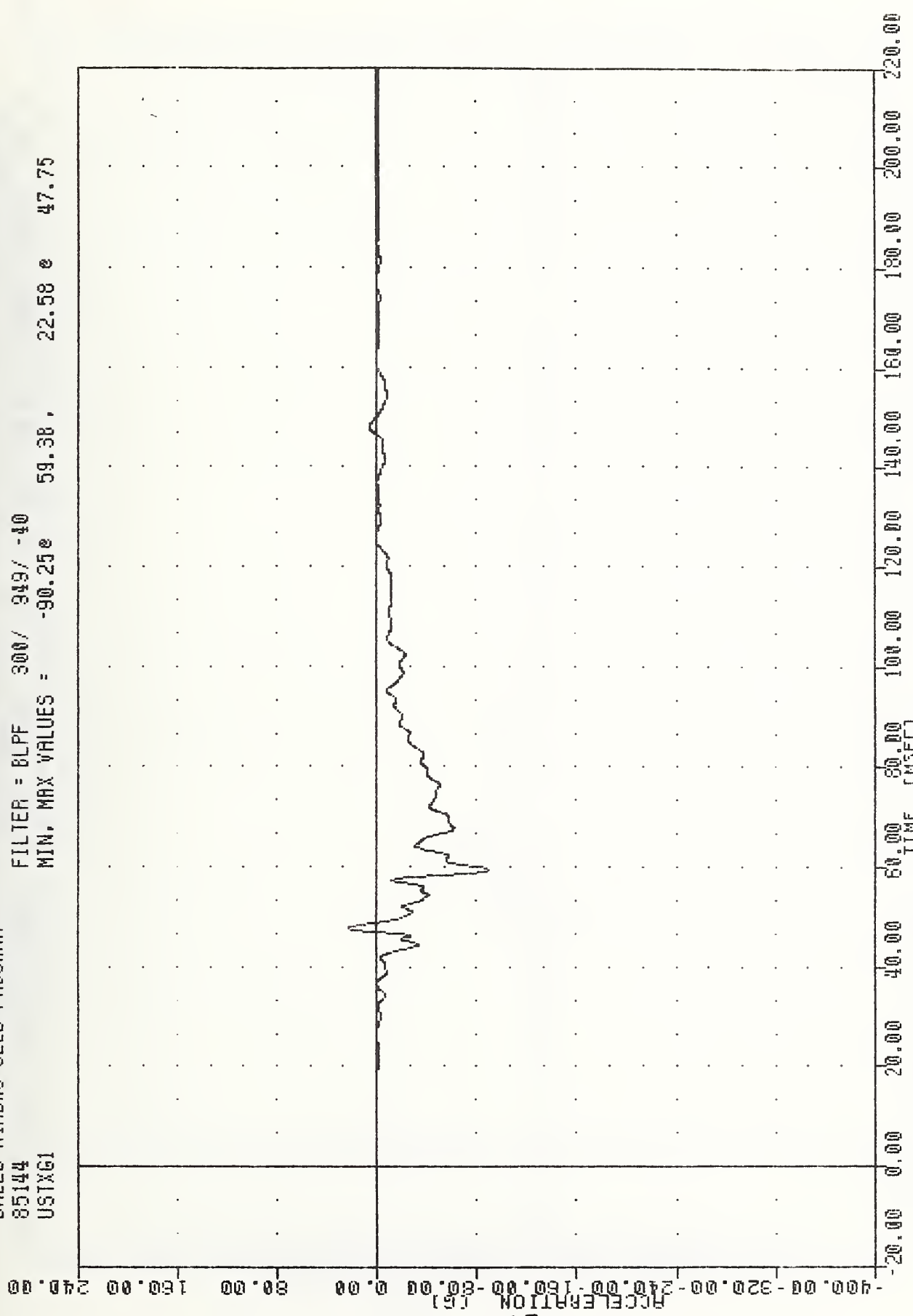
CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , R0384-4-38
 BREED AIRBAG SLED PROGRAM
 85144
 USTXG1

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 349/ -40

MIN, MAX VALUES = -90.25e 59.38, 22.58 e 47.75



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER UPPER STERNUM ACCELERATION X AXIS

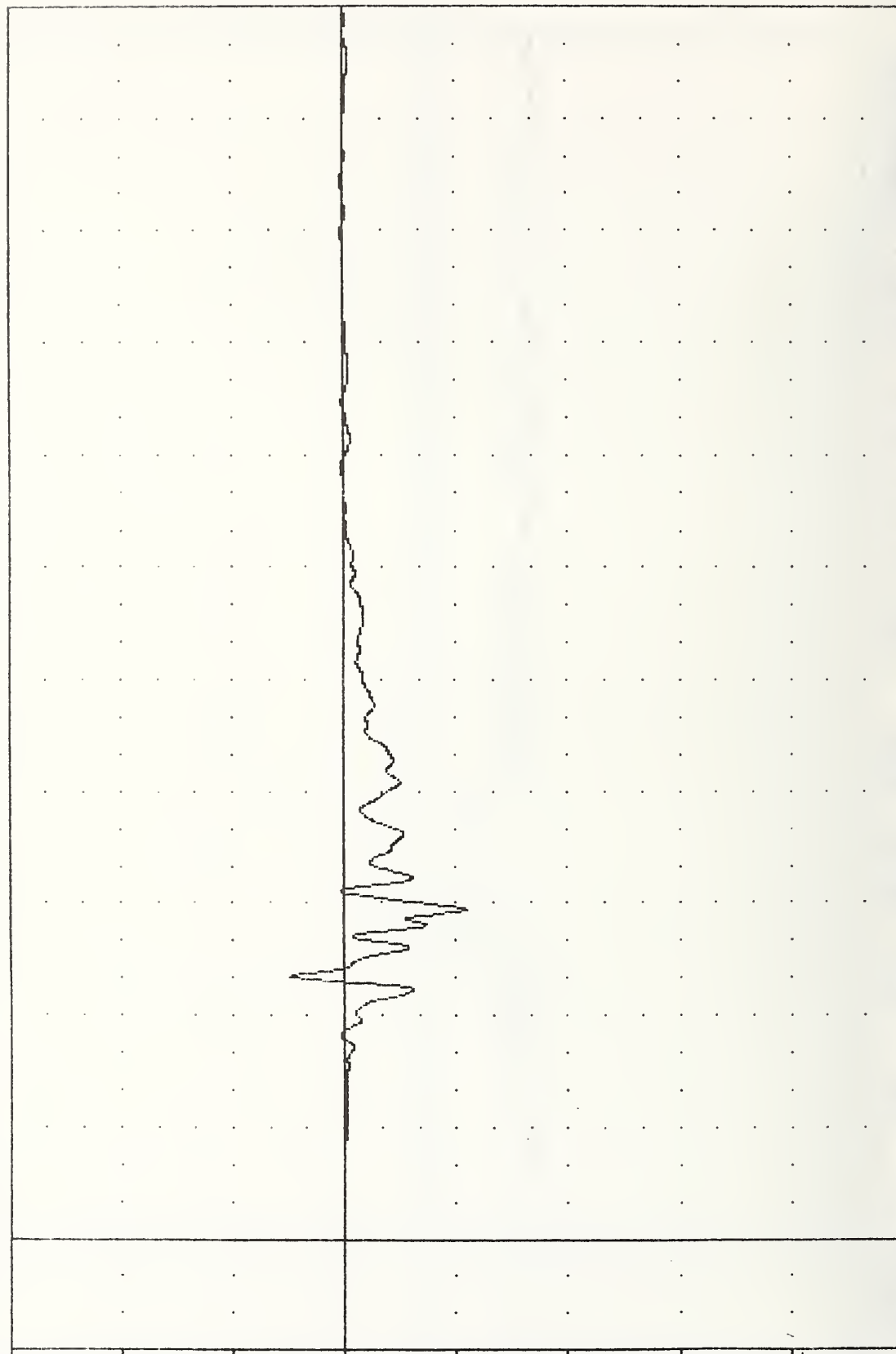
VATC , RD384-4-39
BREED AIRBAG SLED PROGRAM
85144
LSTX61

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -87.49 58.88 38.46 46.88

ACCELERATION (G)



TIME (msec)

CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
DRIVER LOWER STERNUM ACCELERATION X AXIS

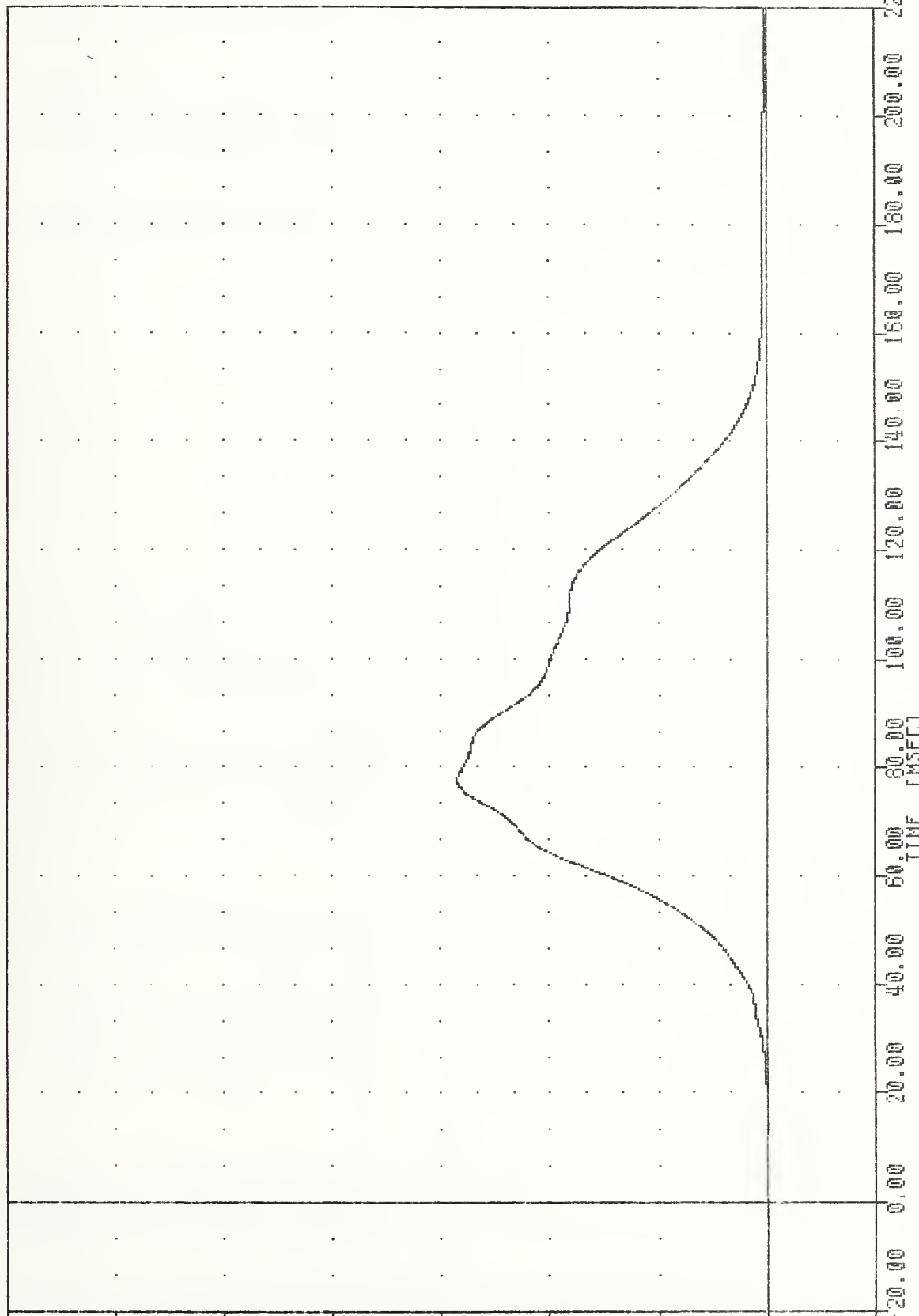
VRTC , RD384-4-39
 BRECO AIRBAG SLED PROGRAM
 85144
 SHBF1

PLOT DATE 28-MAY-85 13:12:24

FILTER = 6LPF 100/ 316/ -40

MIN. MAX VALUES = -0.800 1.38 , 1140.15 77.50

FORCE (LB) $\times 10^3$



CHEVROLET IMPALA SLED TEST - 35 MPH - 50TH PERCENTILE DUMMY
 DRIVER SHOULDER BELT FORCE LBS

VRTC
BREED AIRBAG SLED PROGRAM
85144
L80F1

PLOT DATE 28-MAY-85 13:12:24

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.03e -0.75, 1130.81 e 80.63

200.00

100.00

500

FORCE (LBS)

-40.00

0.00

40.00

80.00

120.00

160.00

200.00

240.00

280.00

320.00

360.00

400.00

440.00

480.00

520.00

560.00

600.00

640.00

680.00

720.00

760.00

800.00

840.00

880.00

920.00

960.00

1000.00

1040.00

1080.00

1120.00

1160.00

1200.00

1240.00

1280.00

1320.00

1360.00

1400.00

1440.00

1480.00

1520.00

1560.00

1600.00

1640.00

1680.00

1720.00

1760.00

1800.00

1840.00

1880.00

1920.00

1960.00

2000.00

2040.00

2080.00

2120.00

2160.00

2200.00

2240.00

2280.00

2320.00

2360.00

2400.00

2440.00

2480.00

2520.00

2560.00

2600.00

2640.00

2680.00

2720.00

2760.00

2800.00

2840.00

2880.00

2920.00

2960.00

3000.00

3040.00

3080.00

3120.00

3160.00

3200.00

3240.00

3280.00

3320.00

3360.00

3400.00

3440.00

3480.00

3520.00

3560.00

3600.00

3640.00

3680.00

3720.00

3760.00

3800.00

3840.00

3880.00

3920.00

3960.00

4000.00

4040.00

4080.00

4120.00

4160.00

4200.00

4240.00

4280.00

4320.00

4360.00

4400.00

4440.00

4480.00

4520.00

4560.00

4600.00

4640.00

4680.00

4720.00

4760.00

4800.00

4840.00

4880.00

4920.00

4960.00

5000.00

5040.00

5080.00

5120.00

5160.00

5200.00

5240.00

5280.00

5320.00

5360.00

5400.00

5440.00

5480.00

5520.00

5560.00

5600.00

5640.00

5680.00

5720.00

5760.00

5800.00

5840.00

5880.00

5920.00

5960.00

6000.00

6040.00

6080.00

6120.00

6160.00

6200.00

6240.00

6280.00

6320.00

6360.00

6400.00

6440.00

6480.00

6520.00

6560.00

6600.00

6640.00

6680.00

6720.00

6760.00

6800.00

6840.00

6880.00

6920.00

6960.00

7000.00

7040.00

7080.00

7120.00

7160.00

7200.00

7240.00

7280.00

7320.00

7360.00

7400.00

7440.00

7480.00

7520.00

7560.00

7600.00

7640.00

7680.00

7720.00

7760.00

7800.00

7840.00

7880.00

7920.00

7960.00

8000.00

8040.00

8080.00

8120.00

8160.00

8200.00

8240.00

8280.00

8320.00

8360.00

8400.00

8440.00

8480.00

8520.00

8560.00

8600.00

8640.00

8680.00

8720.00

8760.00

8800.00

8840.00

8880.00

8920.00

8960.00

9000.00

9040.00

9080.00

9120.00

9160.00

9200.00

9240.00

9280.00

9320.00

9360.00

9400.00

9440.00

9480.00

9520.00

9560.00

9600.00

9640.00

9680.00

9720.00

9760.00

9800.00

9840.00

9880.00

9920.00

9960.00

10000.00

10040.00

10080.00

10120.00

10160.00

10200.00

10240.00

10280.00

10320.00

10360.00

10400.00

10440.00

10480.00

10520.00

10560.00

10600.00

10640.00

10680.00

10720.00

10760.00

10800.00

10840.00

10880.00

10920.00

10960.00

11000.00

11040.00

11080.00

11120.00

11160.00

11200.00

11240.00

11280.00

11320.00

11360.00

11400.00

11440.00

11480.00

11520.00

11560.00

TRC447P. RAD: 1
VRTC
RD384-4-40 BREED AIRBAG SLED PROGRAM
35.00 mph
28-MAY-85 15:15

		Min value	Max value	Data Units	Filter
1	EVENT	0.046 @ 71.250	1.606 @ -5.000 msec	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-37.966 @ 133.125	0.119 @ -8.375 msec	mph	ALPF 100/ 316/ -40
3	SLDXG	-25.784 @ 57.250	0.806 @ 130.500 msec	g	BLPF 100/ 316/ -40
4	HEDXG1	-160.463 @ 94.625	7.499 @ 191.125 msec	g	ALPF 1650/ 5214/ -40
5	HEDYV1	-20.471 @ 110.750	8.677 @ 123.375 msec	g	ALPF 1650/ 5214/ -40
6	HEDYV1	-40.681 @ 110.000	70.834 @ 111.250 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-50.782 @ 85.875	6.026 @ 220.000 msec	g	BLPF 300/ 949/ -40
8	CSTYV1	-9.317 @ 118.375	23.033 @ 98.625 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-9.869 @ 79.250	5.603 @ 167.250 msec	g	BLPF 300/ 949/ -40
10	PEVXG1	-38.837 @ 78.375	2.818 @ 170.875 msec	g	BLPF 300/ 949/ -40
11	PEVYV1	-2.576 @ 52.500	14.900 @ 54.250 msec	g	BLPF 300/ 949/ -40
12	PEVZG1	-42.156 @ 89.000	1.531 @ 220.000 msec	g	BLPF 300/ 949/ -40
13	LFMF1	-394.431 @ 39.375	428.989 @ 84.500 msec	1b	BLPF 1000/ 3162/ -40
14	RFMF1	-325.255 @ 52.125	573.205 @ 89.875 msec	1b	BLPF 1000/ 3162/ -40
15	LPBXG	-25.759 @ 60.250	1.073 @ 183.000 msec	g	BLPF 100/ 316/ -40
16	LPBYG	-1.707 @ 82.625	1.342 @ 46.375 msec	g	BLPF 100/ 316/ -40
17	LPBZG	-1.222 @ 100.250	2.587 @ 95.375 msec	g	BLPF 100/ 316/ -40
18	SHBF1	-0.446 @ -1.875	2245.388 @ 93.000 msec	1b	BLPF 100/ 316/ -40
19	LBDF1	-0.247 @ -16.750	2268.813 @ 89.250 msec	1b	BLPF 100/ 316/ -40
20	ABT3	-0.067 @ 3.875	2.330 @ 61.125 msec	volt	ALPF 1650/ 5214/ -40
21	ABT4	-4.332 @ 27.375	6.066 @ 101.000 msec	volt	ALPF 1650/ 5214/ -40

TRC447P. RAD: 1
VRTC
RD384-4-40 BREED AIRBAG SLED PROGRAM
35.00 mph
28-MAY-85 15:15

		Min value	Max value	Data Units	Filter
1	HEDXV1	-51.622 @ 162.625	0.432 @ 61.125 msec	mph	BLPF 300/ 949/ -40
2	HEDXD1	-66.430 @ 220.000	0.105 @ 71.125 msec	in	BLPF 300/ 949/ -40
3	CSTXV1	-49.553 @ 213.750	0.265 @ -13.750 msec	mph	BLPF 300/ 949/ -40
4	CSTXD1	-72.620 @ 220.000	0.298 @ 41.875 msec	in	BLPF 300/ 949/ -40
5	PEVXV1	-31.658 @ 117.000	-0.012 @ -10.125 msec	mph	BLPF 300/ 949/ -40
6	PEVXD1	-52.400 @ 220.000	-0.002 @ -20.000 msec	in	BLPF 300/ 949/ -40
7	SLDXV1	-37.756 @ 124.000	-0.014 @ -16.500 msec	mph	BLPF 300/ 949/ -40
8	SLDXD	-70.920 @ 220.000	-0.008 @ -20.000 msec	in	BLPF 300/ 949/ -40
9	LPBXV	-36.911 @ 126.250	0.026 @ -15.500 msec	mph	BLPF 300/ 949/ -40
10	LPBXD	-68.116 @ 220.000	0.003 @ -7.625 msec	in	BLPF 300/ 949/ -40

TRC447P. RAD: 1
VRTC
RD384-4-40 BREED AIRBAG SLED PROGRAM
35.00 mph
28-MAY-85 15:15

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.041 @ -9.625	164.992 @ 94.625 msec	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.040 @ -2.000	50.918 @ 86.000 msec	g	BLPF 300/ 949/ -40
3	PEVRG1	0.088 @ 2.375	57.743 @ 88.750 msec	g	BLPF 300/ 949/ -40
4	LPBRG	0.103 @ -12.500	25.763 @ 60.250 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC447RP.RAD;1
VRTC RD384-4-40 BREED AIRBAG SLED PROGRAM
85148 35.00 mph

* * * HIC computation for HEDRG1 28-MAY-85 15:14
Using time range = 0.000 to 220.000 msec Peak accel = 164.99 @ 94.625
HIC = 1589.92 Interval from 89.500 [877] to 119.375 [1116]
HIC = 1066.97 Interval from 101.250 [971] to 116.250 [1091]

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

Enter input filespec -> TRC447RP
File TRC447RP -> 4 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-40 BREED AIRBAG SLED PROGRAM 35.00 mph
HEDRG1 CSTRG1 PEVRG1 LPBRG

Enter channel name -> CSTRG1
ISLED.BREEDJTRC447RP.RAD;1 VRTC RD384-4-40
BREED AIRBAG SLED PROGRAM 35.0 mph 85148 28-MAY-85 15:53:50
Deltax: 0.125

3 MS CLIP PEAK: 49.69763

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
\$

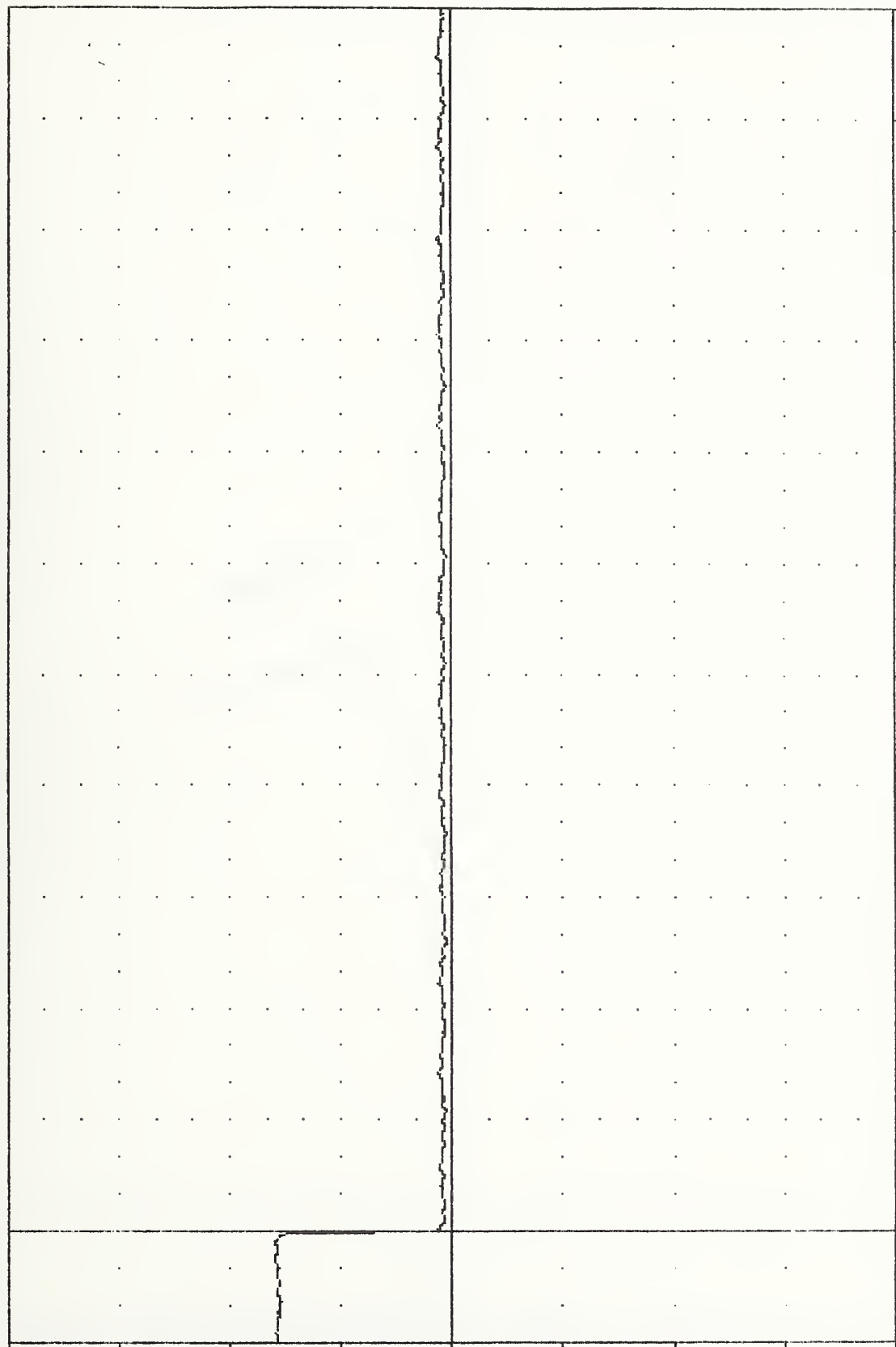
VRTC
 BREED AIRBAG SLED PROGRAM
 85148
 EVENT

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.05e 71.25, 1.61 e -5.00

VOLTAGE (VOLTS)



TIME (MSEC)

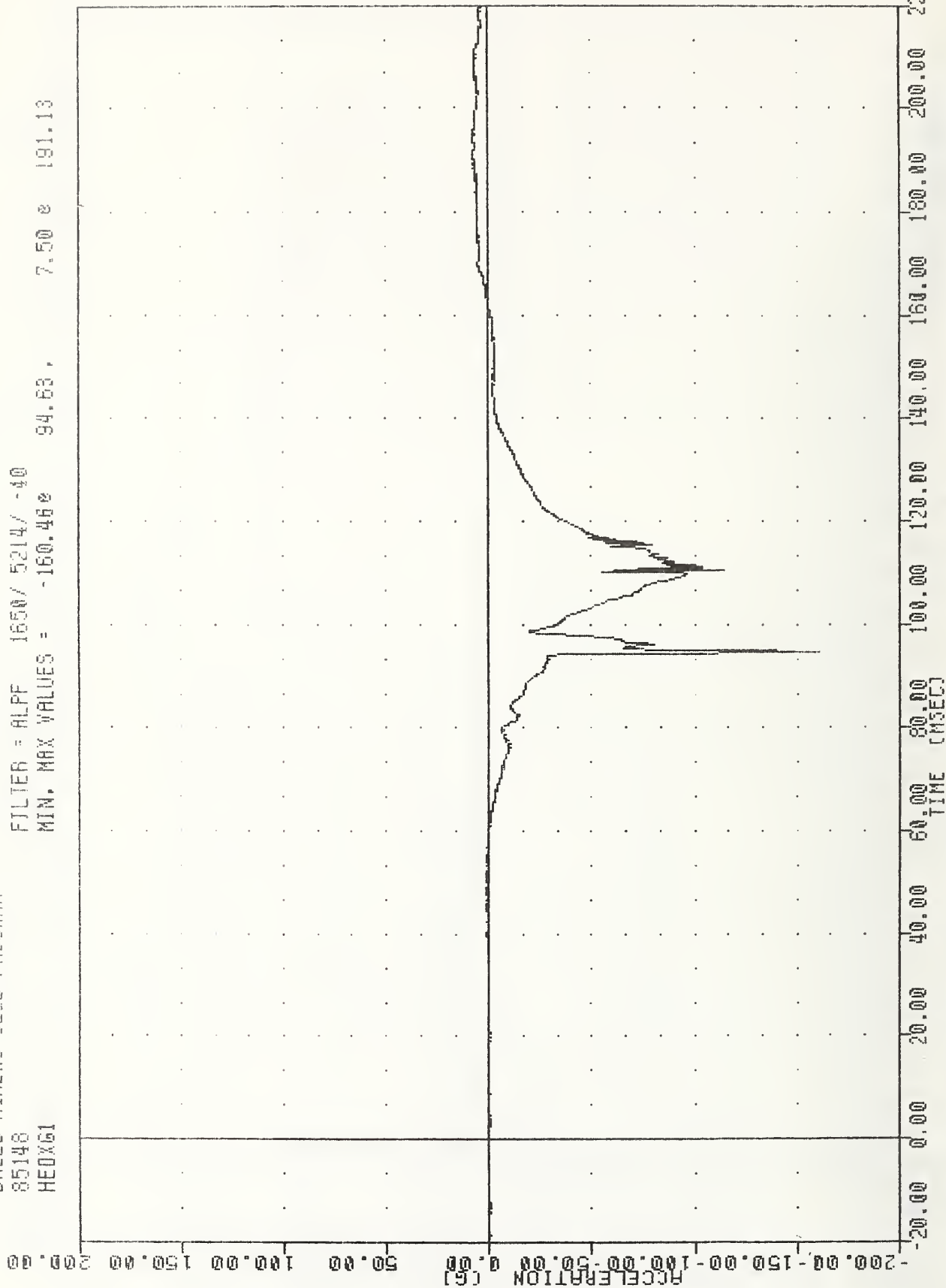
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 EVENT

VRTC , PD384-4-40
BRAED AIRBAG SLED PROGRAM
85148
HEDX61

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -160.46e 94.63 , 7.50 e 191.13



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION X AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85148
HEDXV1

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -51.62 162.63, 0.43 61.13

10.00

0.00

-10.00

-20.00

-30.00

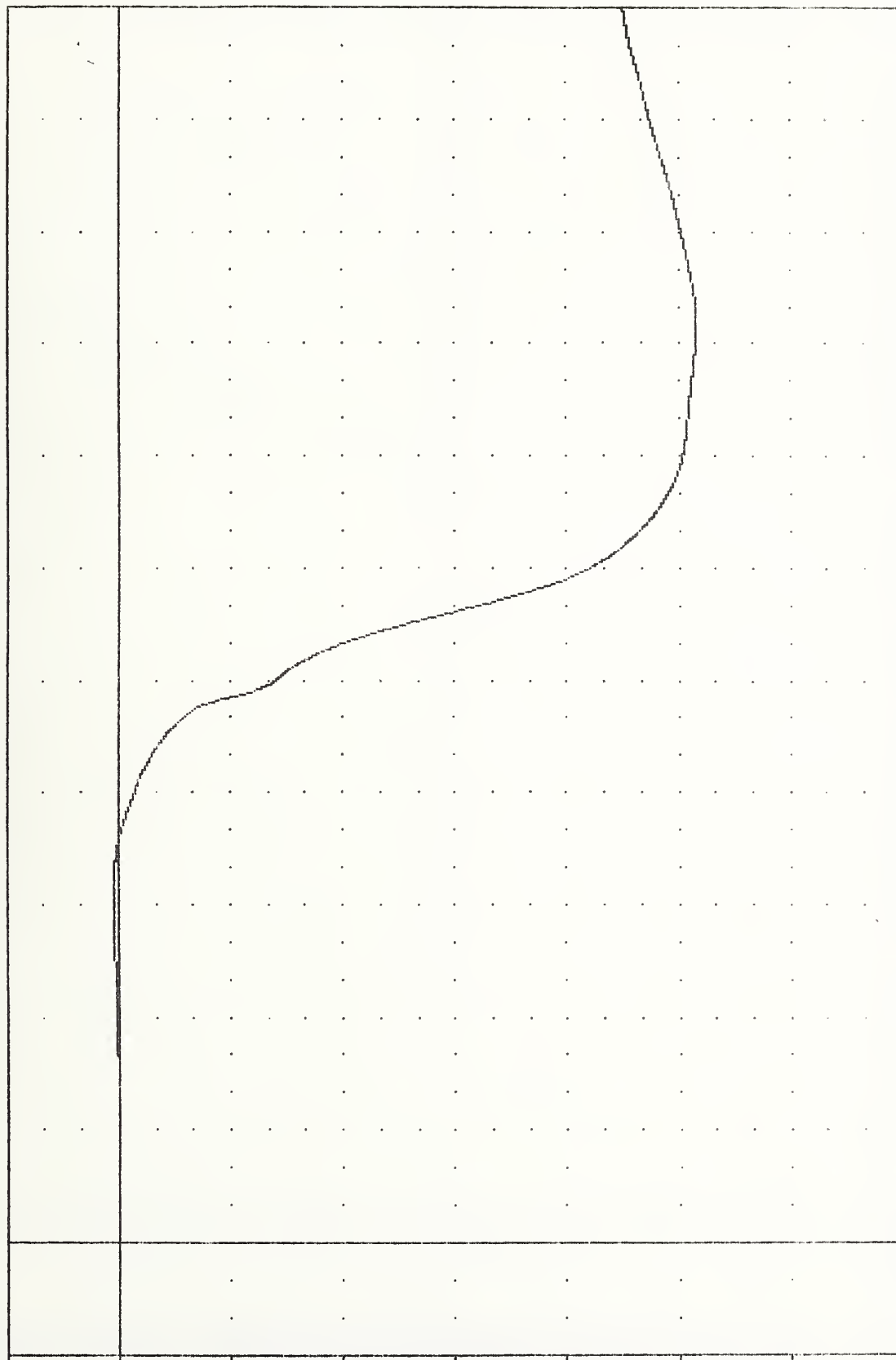
-40.00

-50.00

-60.00

-70.00

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 - 35 MPH - 95TH PERCENTILE DUMMY

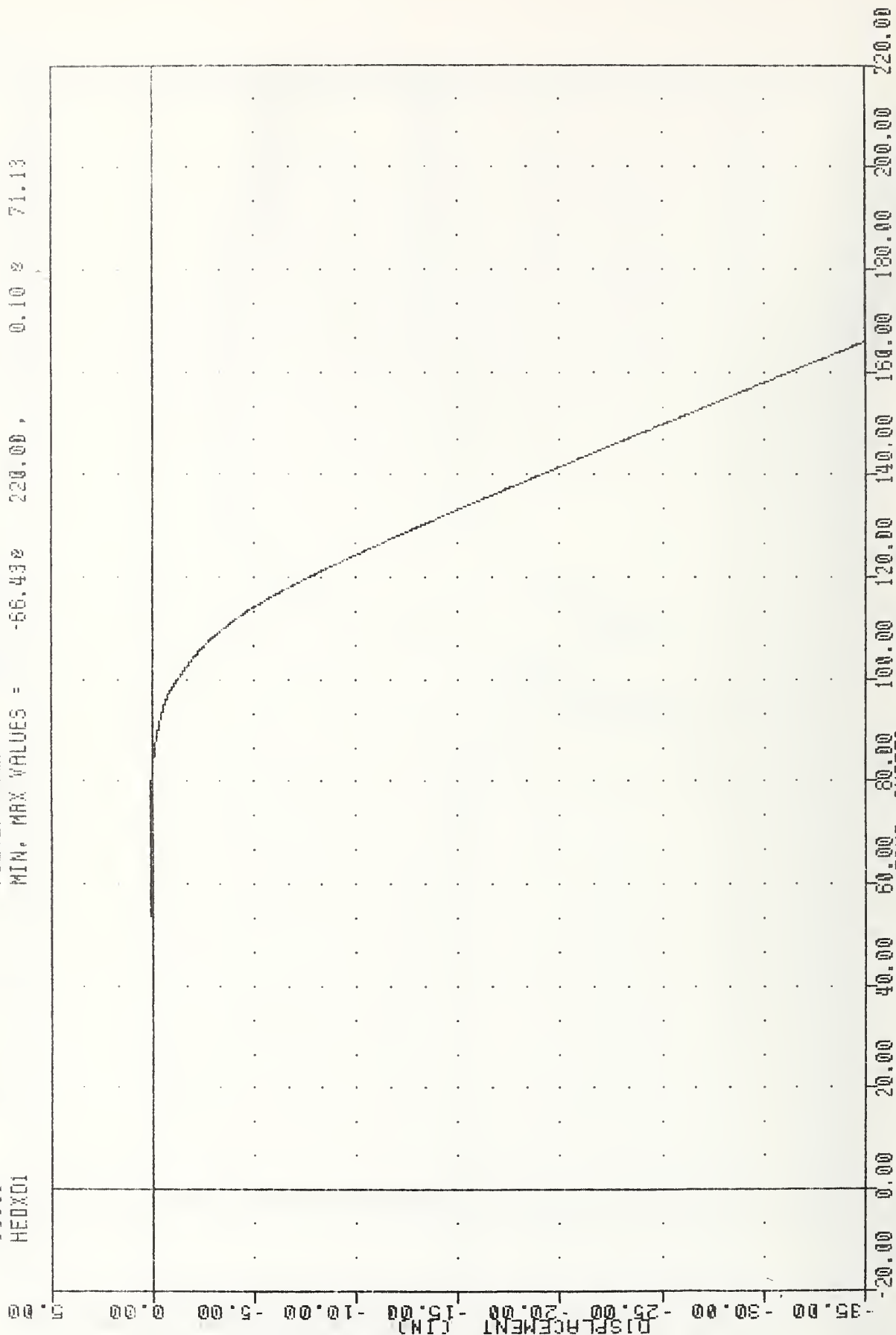
DELTA V USING HEDXG1

VRIC , RD304-4-40
BRAED AIRBAG SLED PROGRAM
85148
HEDX01

PLOT DATE 28-MAY-85 15:59:24

FILTER = 6LFF 300/ 949/ -40

MIN. MAX VALUES = -66.430 220.00, 0.10 2 71.13



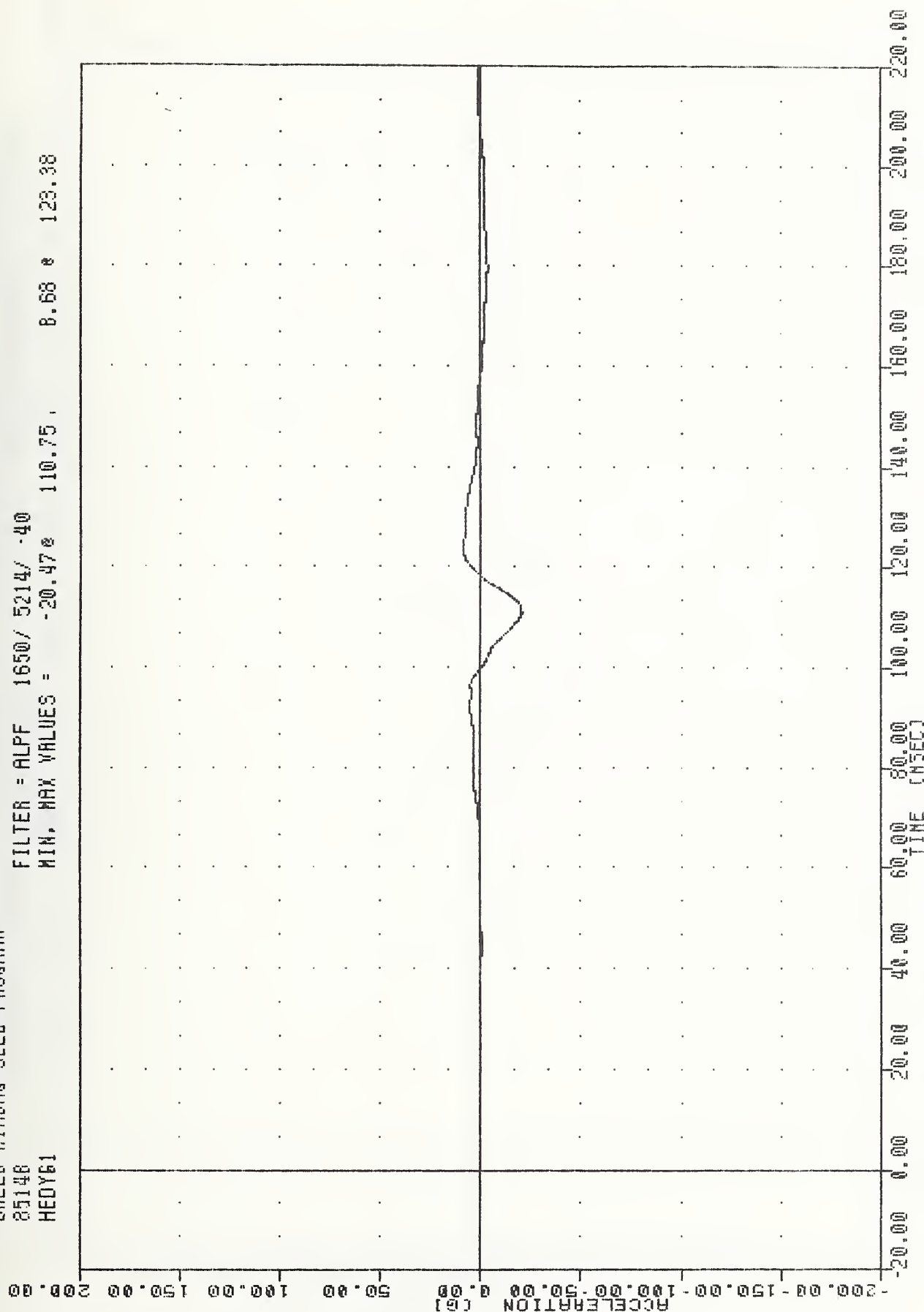
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING HEDXV1

WRTC , RD384-4-40
BREED RIBBAG SLED PROGRAM
85148
HEDY61

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -20.47 110.75 , 8.68 123.38



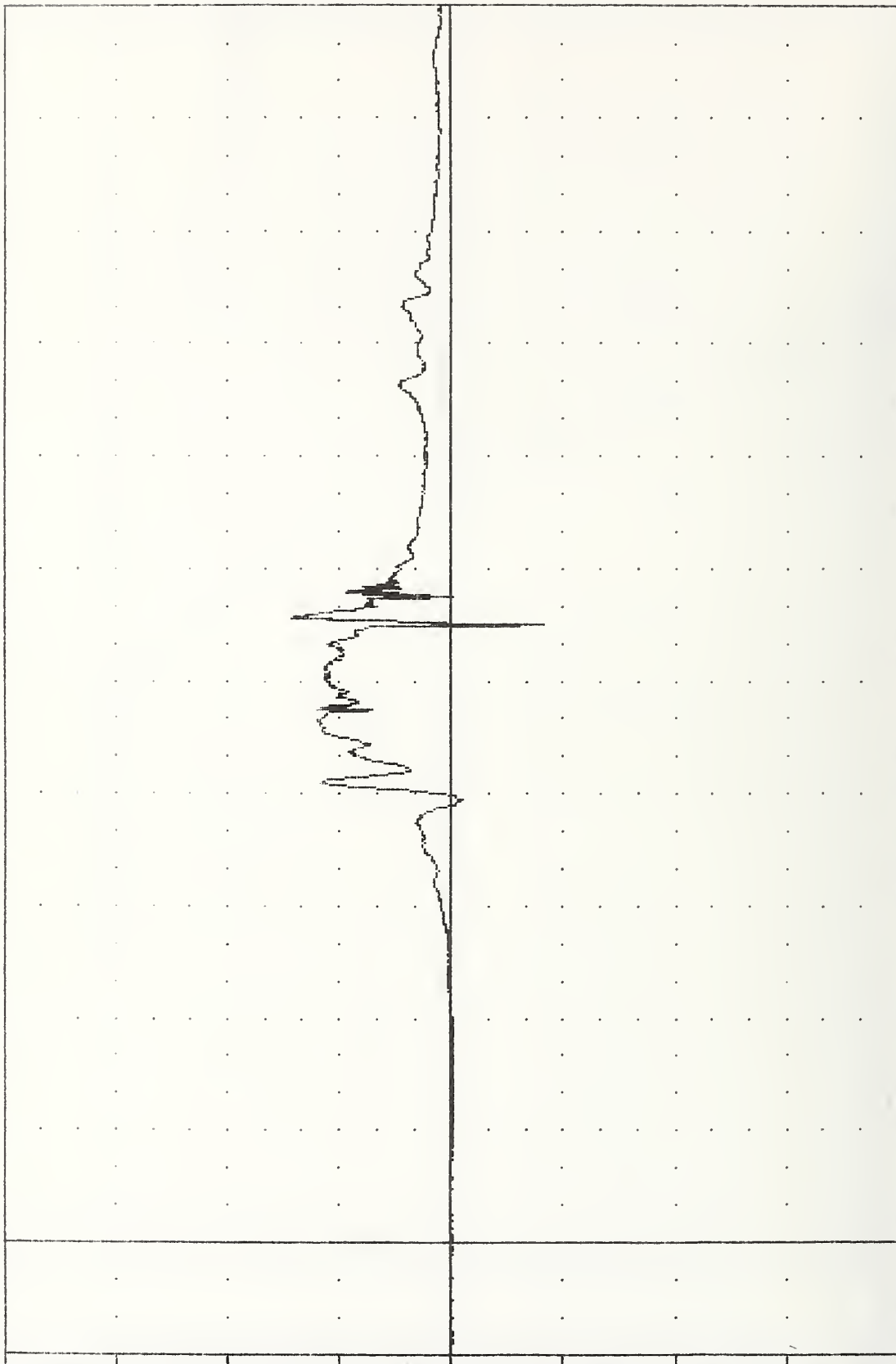
VRTC , RD584-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 HEDZ61

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -40.68 110.00, 70.63 111.25

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85146
CSTXG1

PLOT DATE 28-MAY-85 15:57:25

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -50.78 85.88 6.03 220.00

100.00

75.00

50.00

25.00

0.00

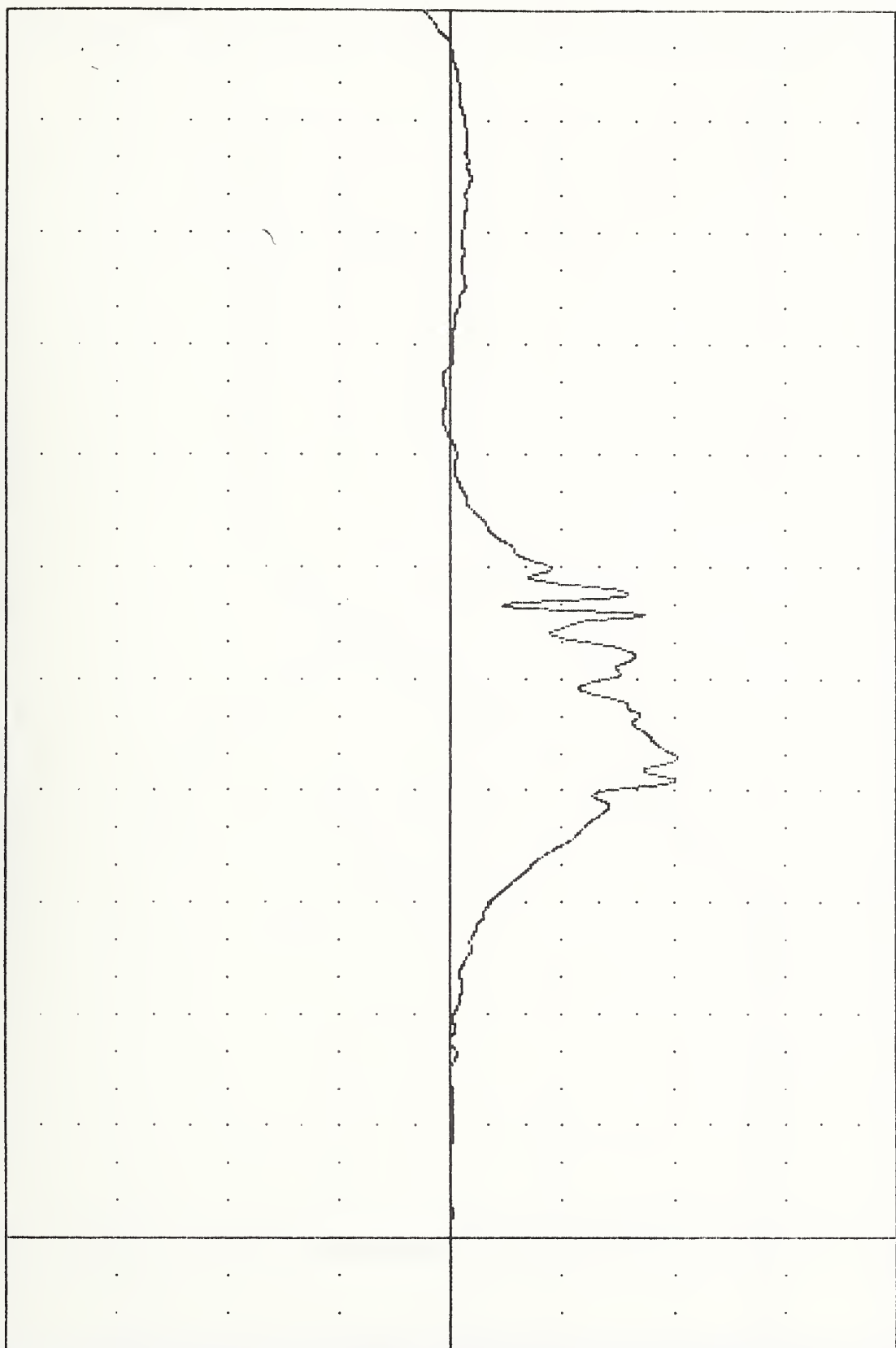
-25.00

-50.00

-75.00

-100.00

ACCELERATION (G)



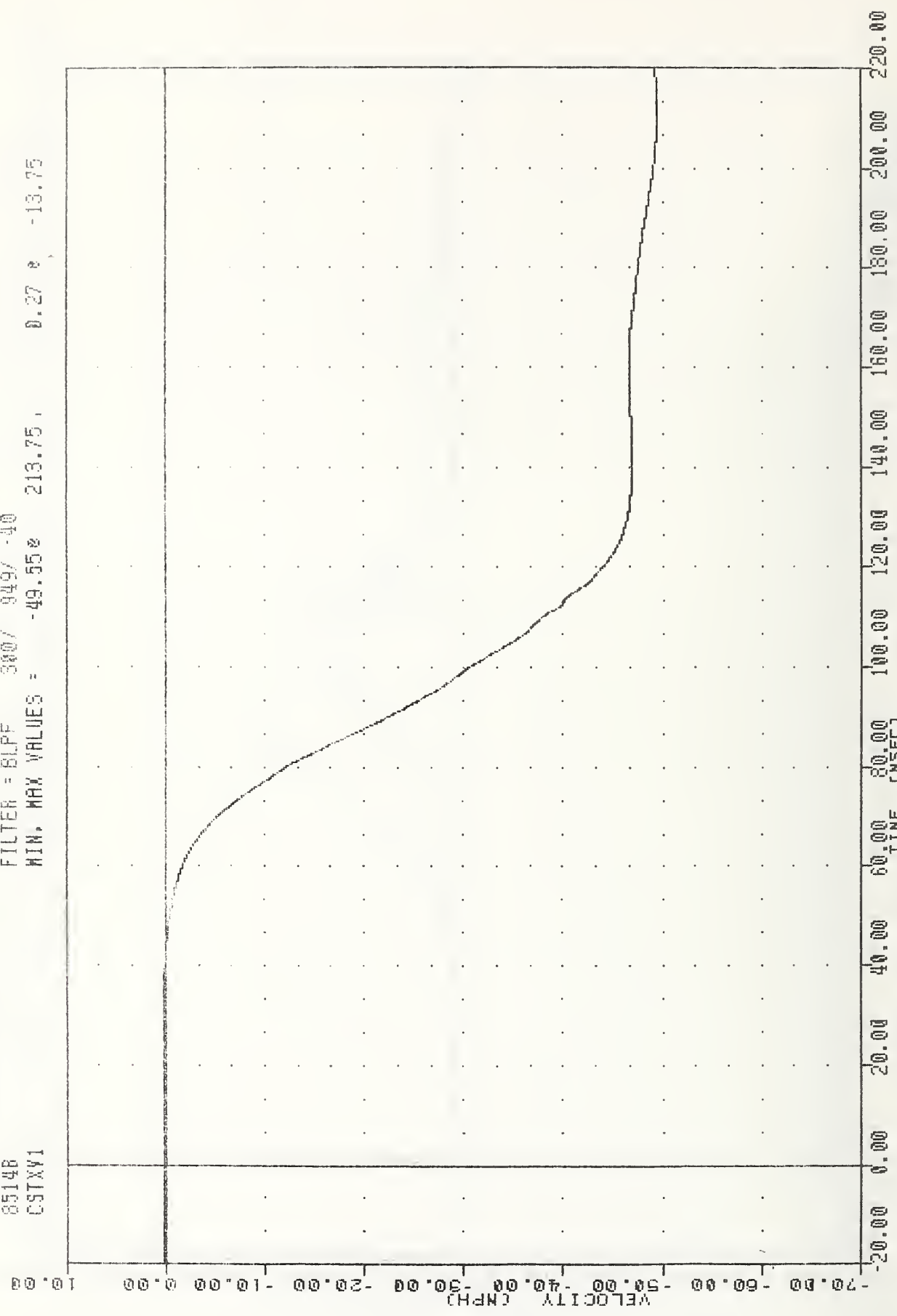
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VATIC , R0304-4 40
 BREED AIRSAG SLED PROGRAM
 85148
 CSTXV1

PLOT DATE 28-MAR-85 15:59.24

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -49.55 213.75 , 0.27 e , -13.75



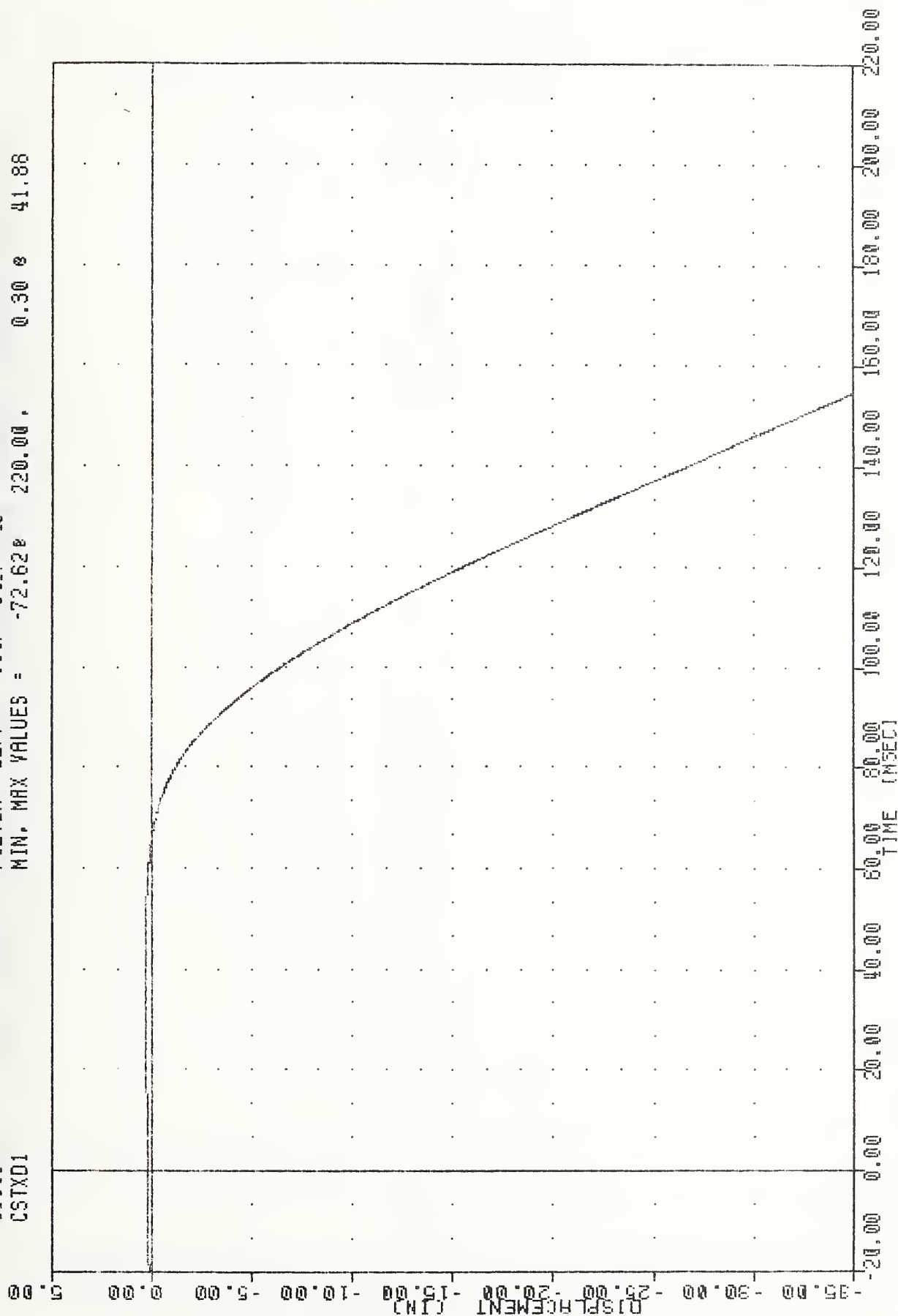
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING CSTXG1

VRTC , RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 CSTXD1

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -72.628 220.00, 0.30 41.88



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA X USING CSTXV1

VRIC , R0384-4-40
BREED AIRBAG SLED PROGRAM
85148
CSTY51

PLT DATE 28 MAY 85 15:57:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -9.32e 118.38 , 23.03 e, 98.63

100.00

75.00

50.00

25.00

0.00

512

ACCELERATION (G)

-25.00

-50.00

-75.00

-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 (SEC)

DRIVER CHEST ACCELERATION Y AXIS

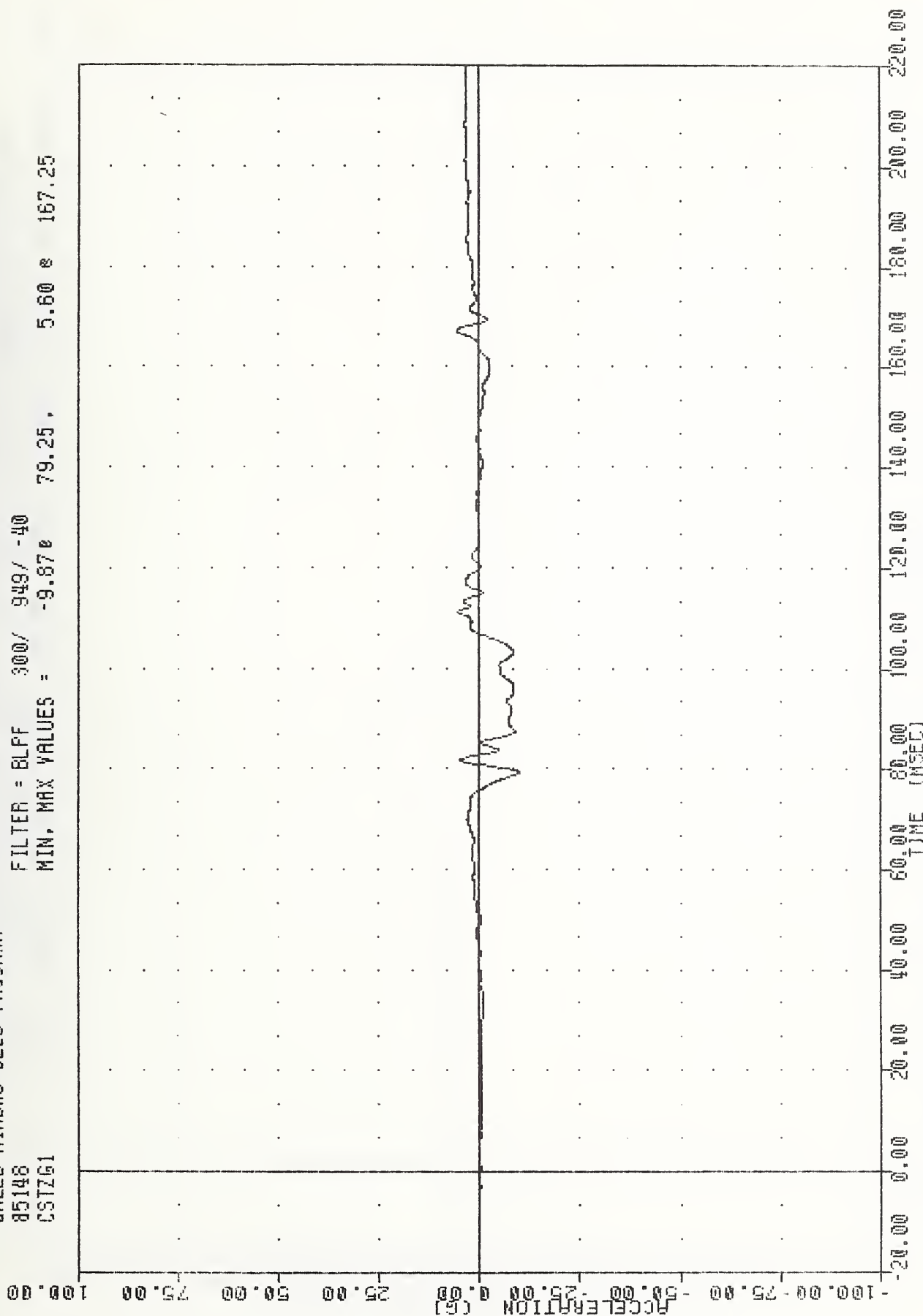
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

VRTC , R0384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 CSTZ61

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -9.87e 79.25 , 5.60 s 167.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Z AXIS

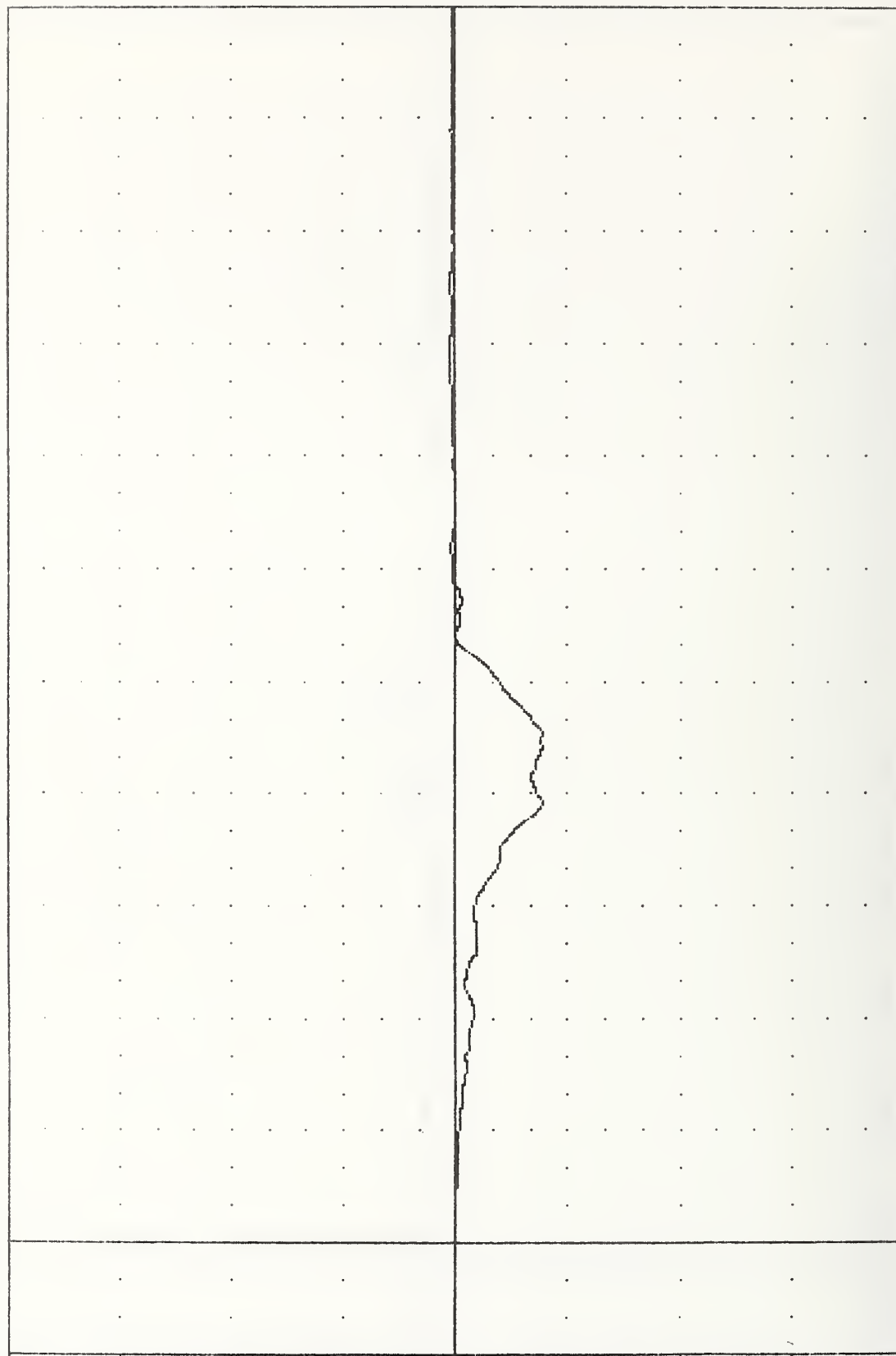
VRIC , R0384-4-40
BRAED AIRBAG SLED PROGRAM
85148
PEVX61

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.84e 78.38 , 2.82 e 170.80

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

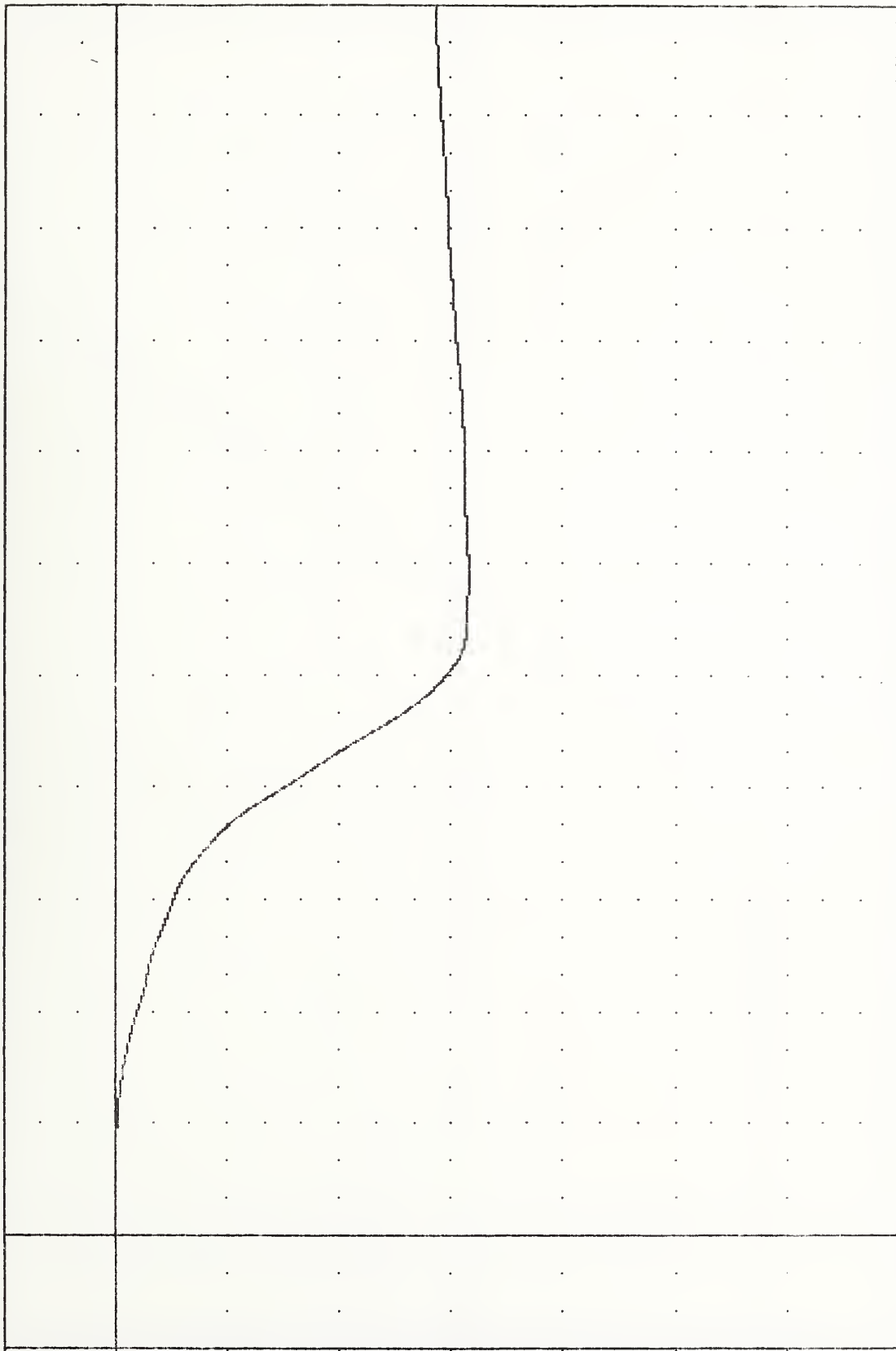
VRIC
 BREED AIRBAG SLED PROGRAM
 85148
 PEVXV1

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 919/ -40

MIN. MAX VALUES = -31.66 117.00 , -0.01 10.13

10.00
 -20.00
 -30.00
 -40.00
 -50.00
 -60.00
 -70.00
 -80.00
 -90.00
 -100.00
 -110.00
 -120.00
 -130.00
 -140.00
 -150.00
 -160.00
 -170.00
 -180.00
 -190.00
 -200.00
 -210.00
 -220.00
 -230.00
 -240.00
 -250.00
 -260.00
 -270.00
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 -300.00
 -310.00
 -320.00
 -330.00
 -340.00
 -350.00
 -360.00
 -370.00
 -380.00
 -390.00
 -400.00
 -410.00
 -420.00
 -430.00
 -440.00
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 -870.00
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 -910.00
 -920.00
 -930.00
 -940.00
 -950.00
 -960.00
 -970.00
 -980.00
 -990.00
 -1000.00



-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)

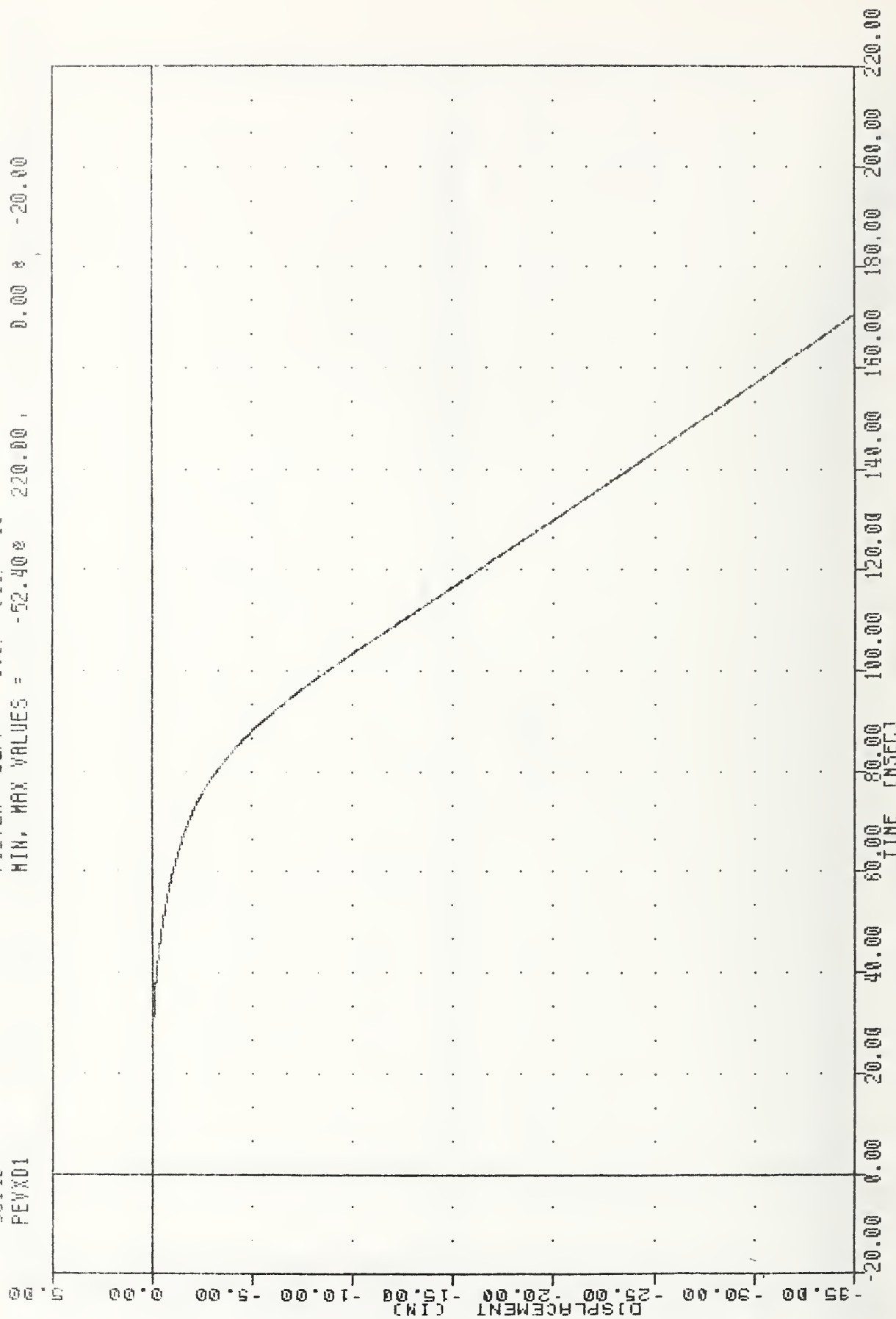
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRIC RD384-4-40
BRED AIRBAG SLED PROGRAM
05148
PEVX01

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -52.400 220.00 0.00 -20.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

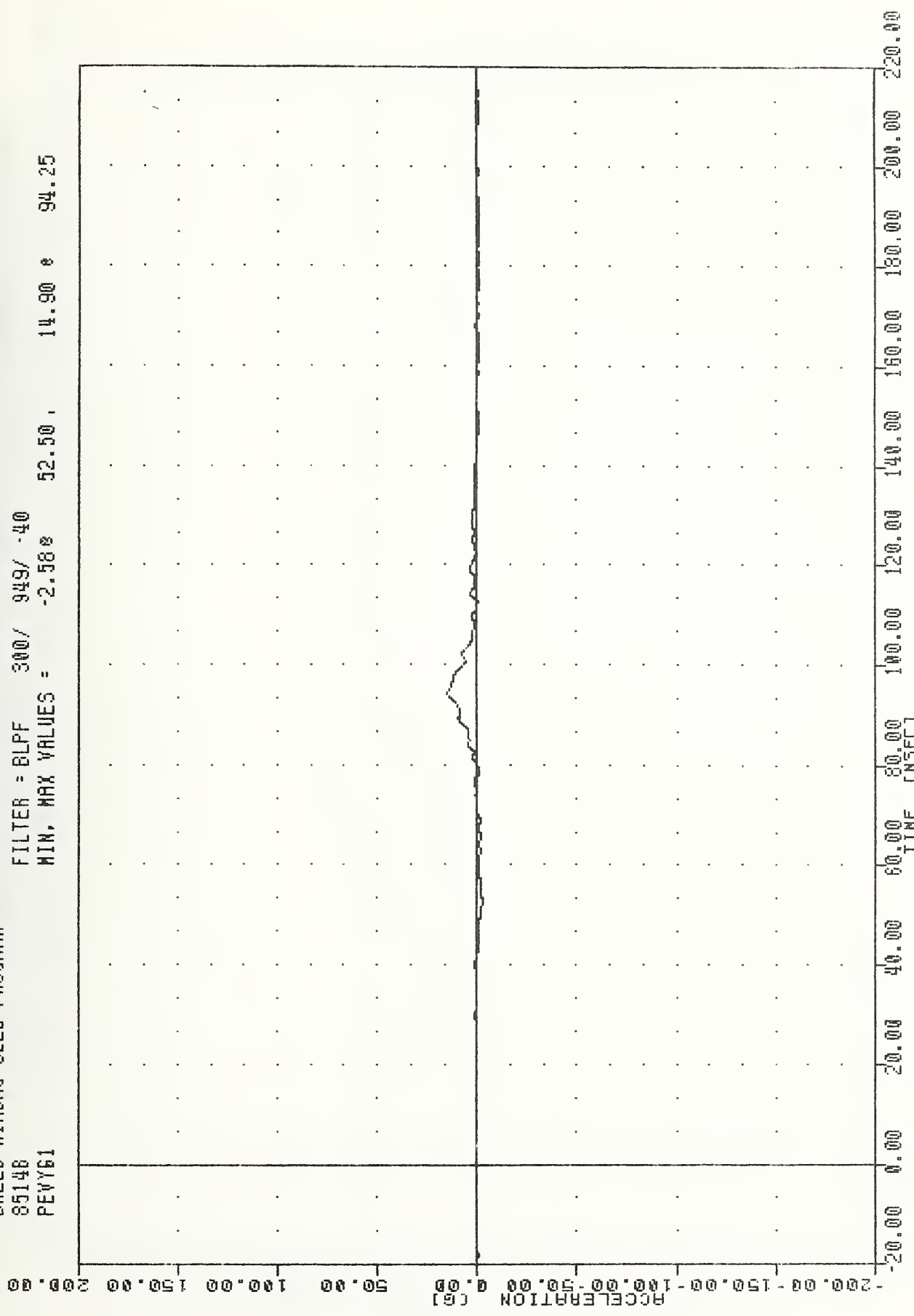
DELTA X USING PEVXV1

VRTC , RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 PEVY61

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -2.58e 52.50 , 14.90 e 94.25



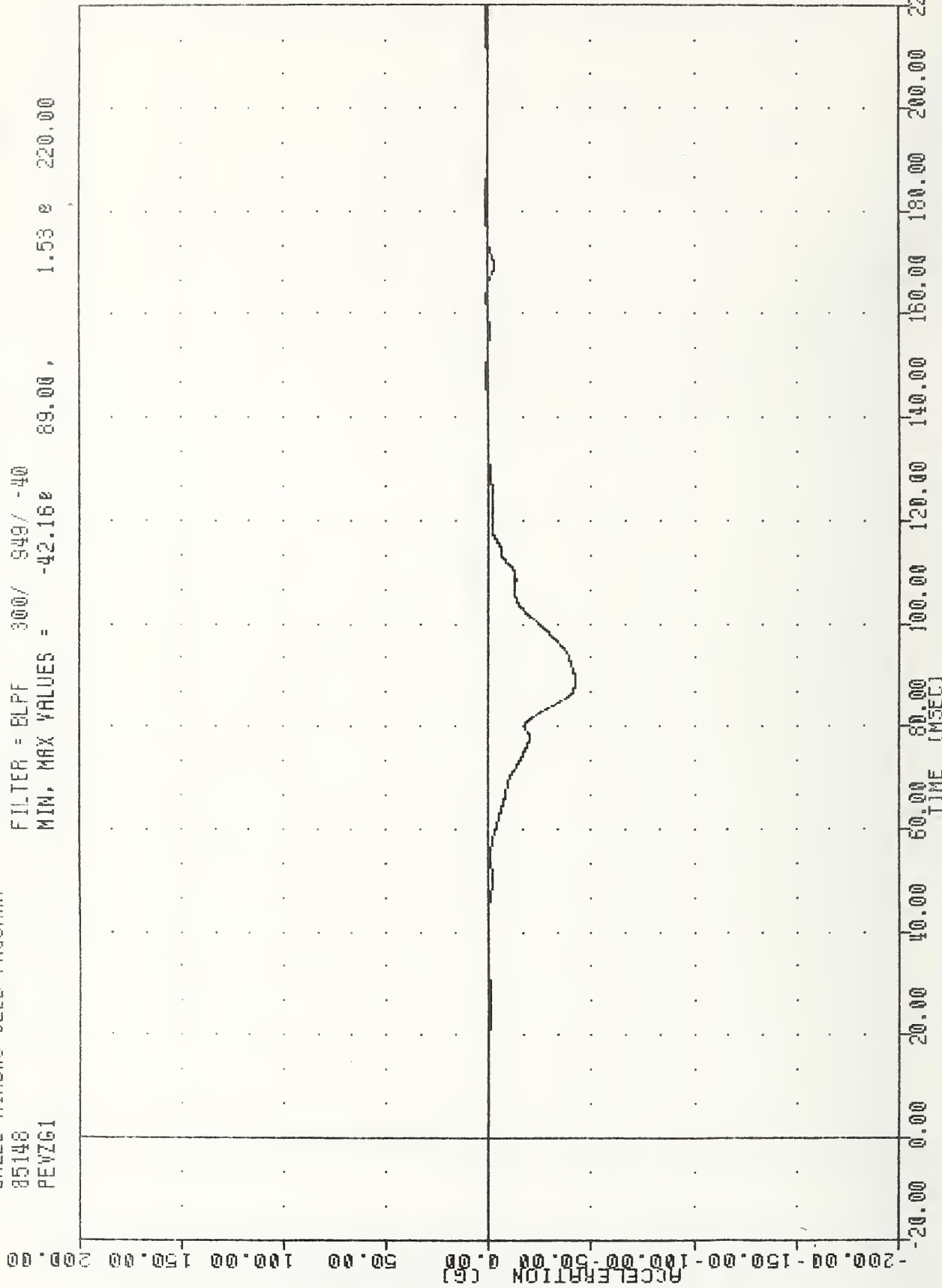
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

VRTC , R0324-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 PEVZG1

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 300/ 849/ -40

MIN. MAX VALUES = -42.16 89.00 , 1.53 220.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

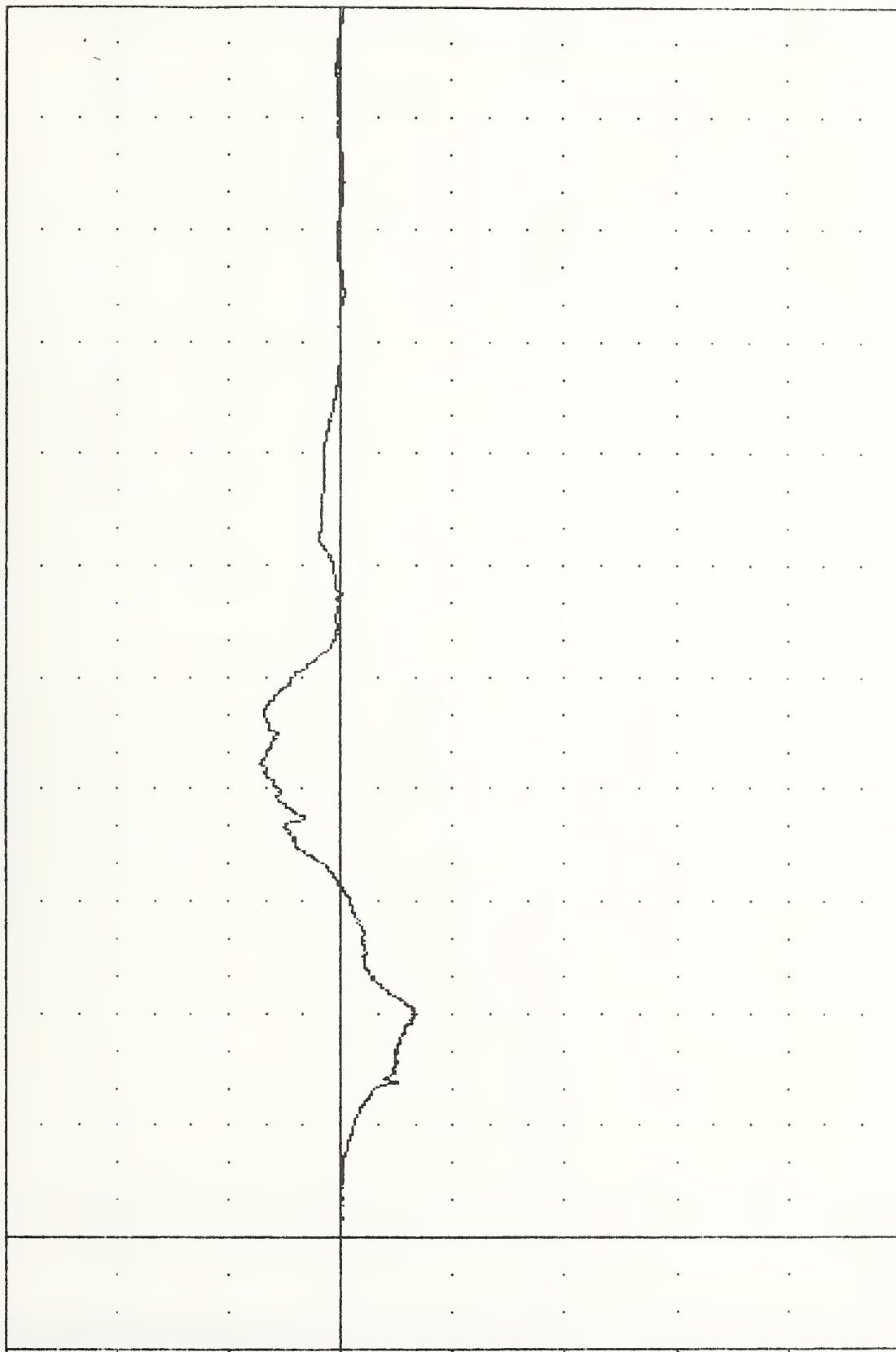
VRIC , R0304-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 LFMF1

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -394.43e 39.38 , 428.99 e 84.50

FORCE (LBS)
 (X10³)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

VRIC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85148
RFMF1

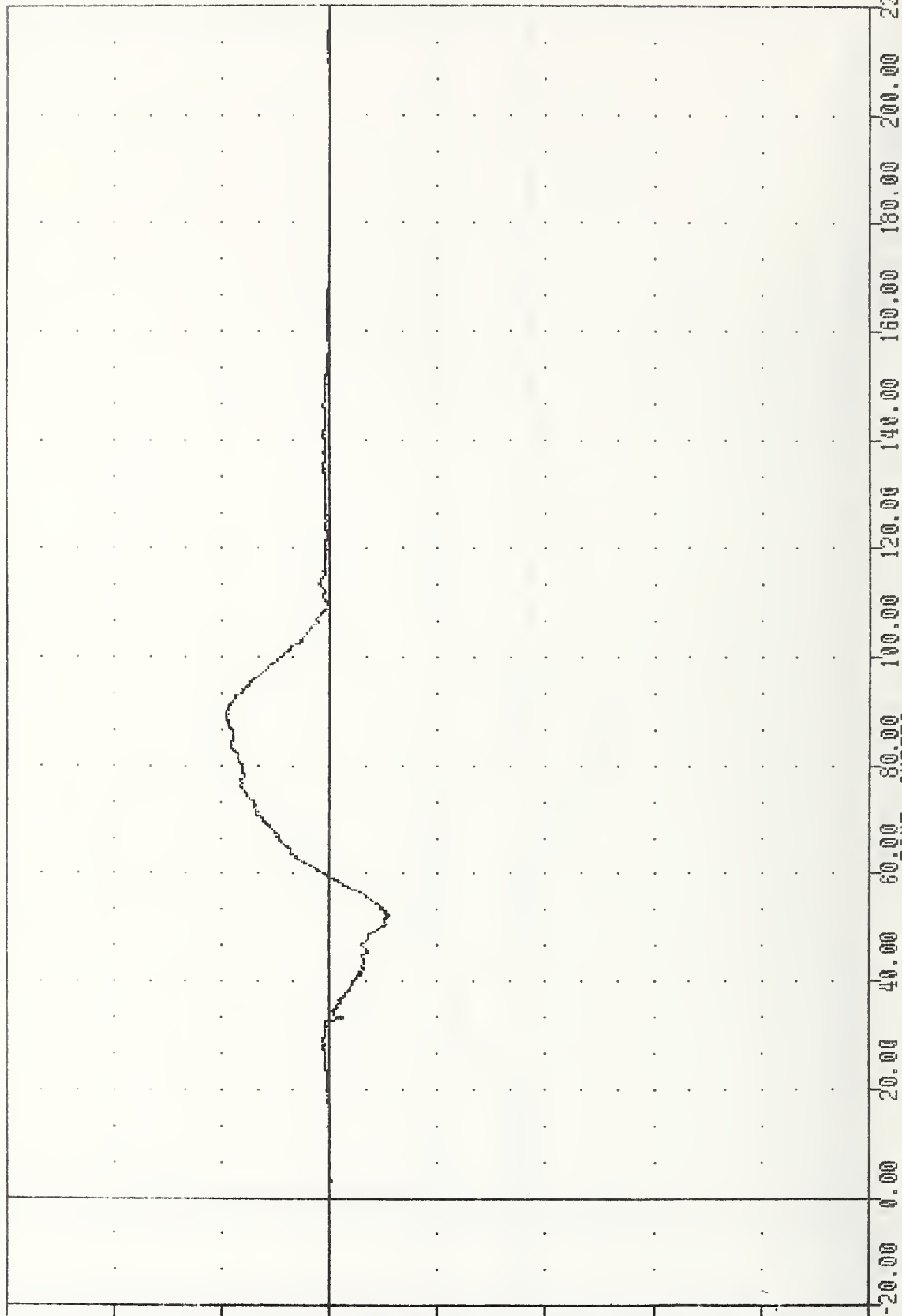
PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -325.26 52.13 , 573.21 89.88

FORCE (LBS)
TIME (MSEC)

520



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VATC , R0384-4-40
BREED AIRBAG SLED PROGRAM
85148
LPBX6

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -25.76% 60.25, 1.07 e 183.00



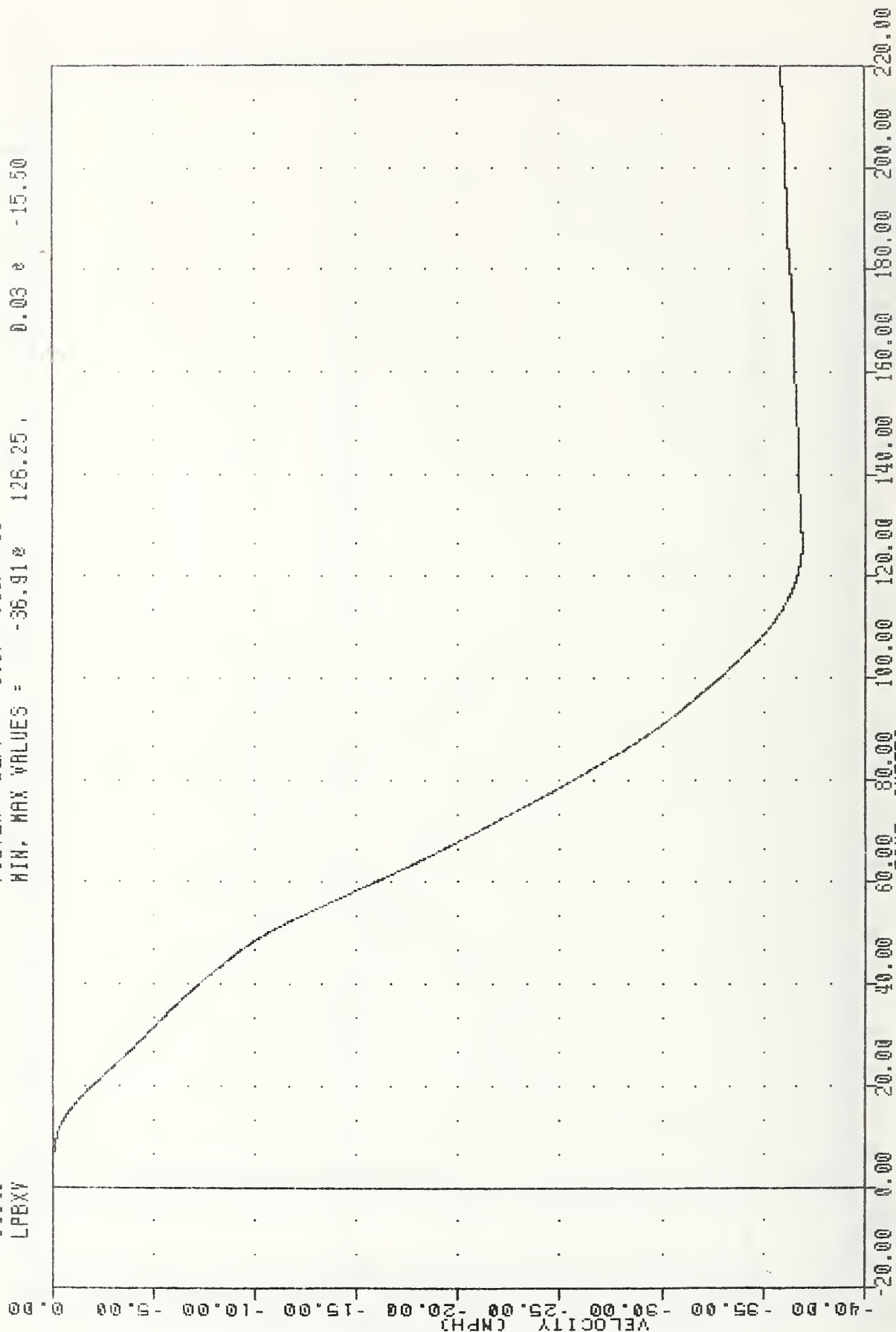
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

WRTC , RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 LPBXV

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -36.91e 126.25, 0.03 e -15.50



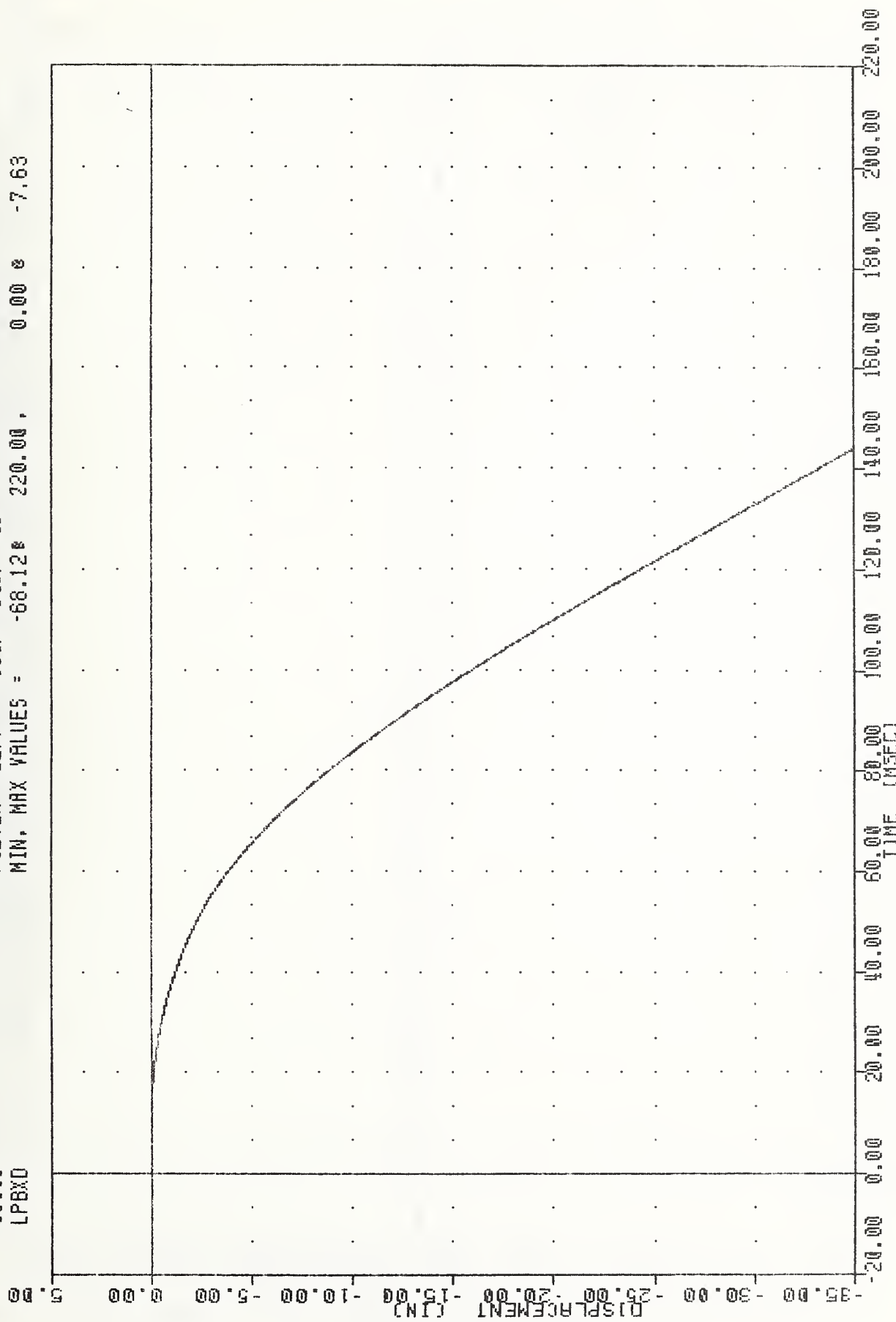
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DELTA V USING LPBXG

VRTC , R0384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 LPBXD

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -68.12 220.00 , 0.00 8 -7.63



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

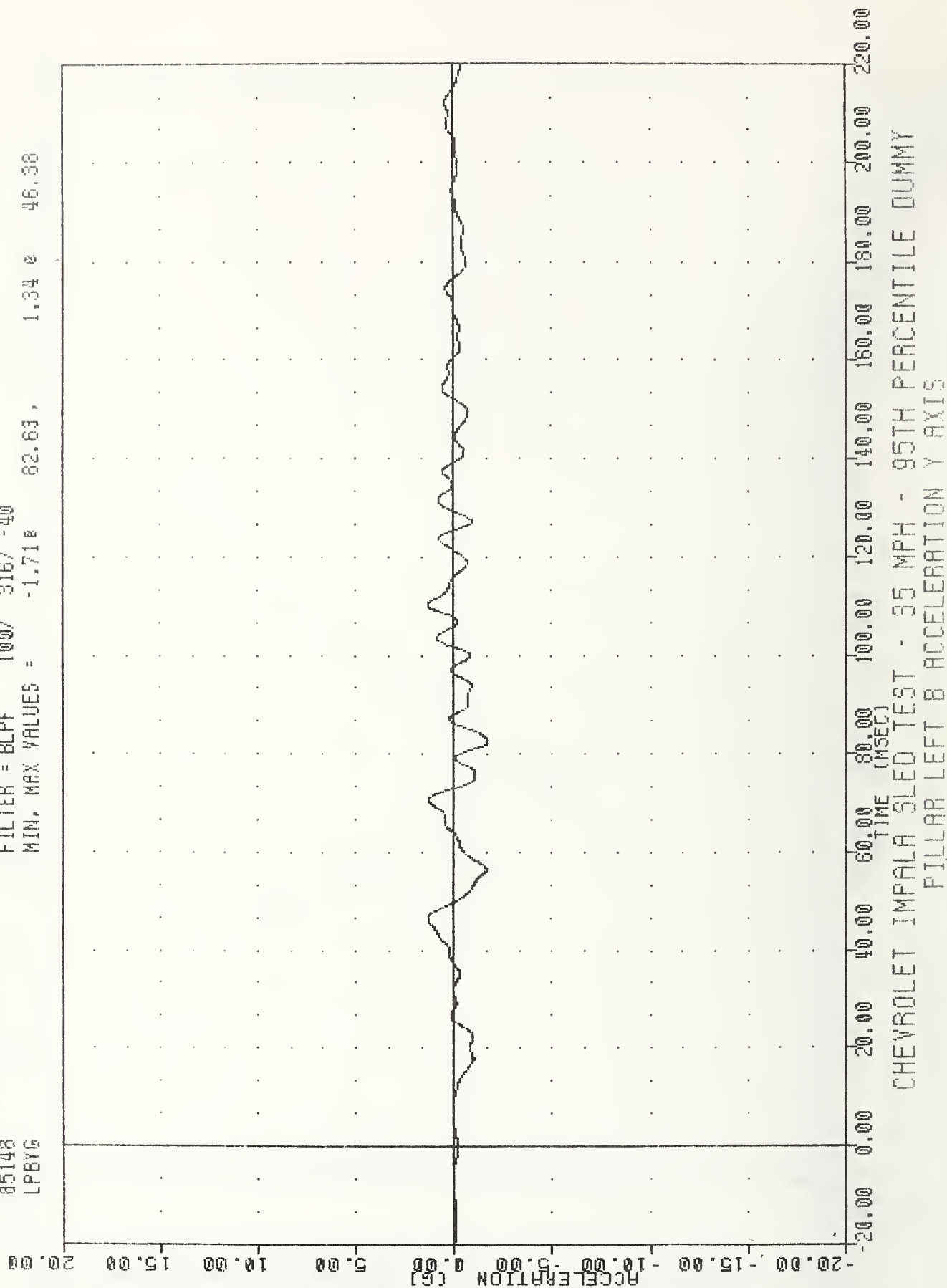
DELTA X USING LPBXV

VRTC , R0384-4-40
BREED AIRBAG SLED PROGRAM
85148
LPBYG

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -1.71E 82.63, 1.34 E 46.38



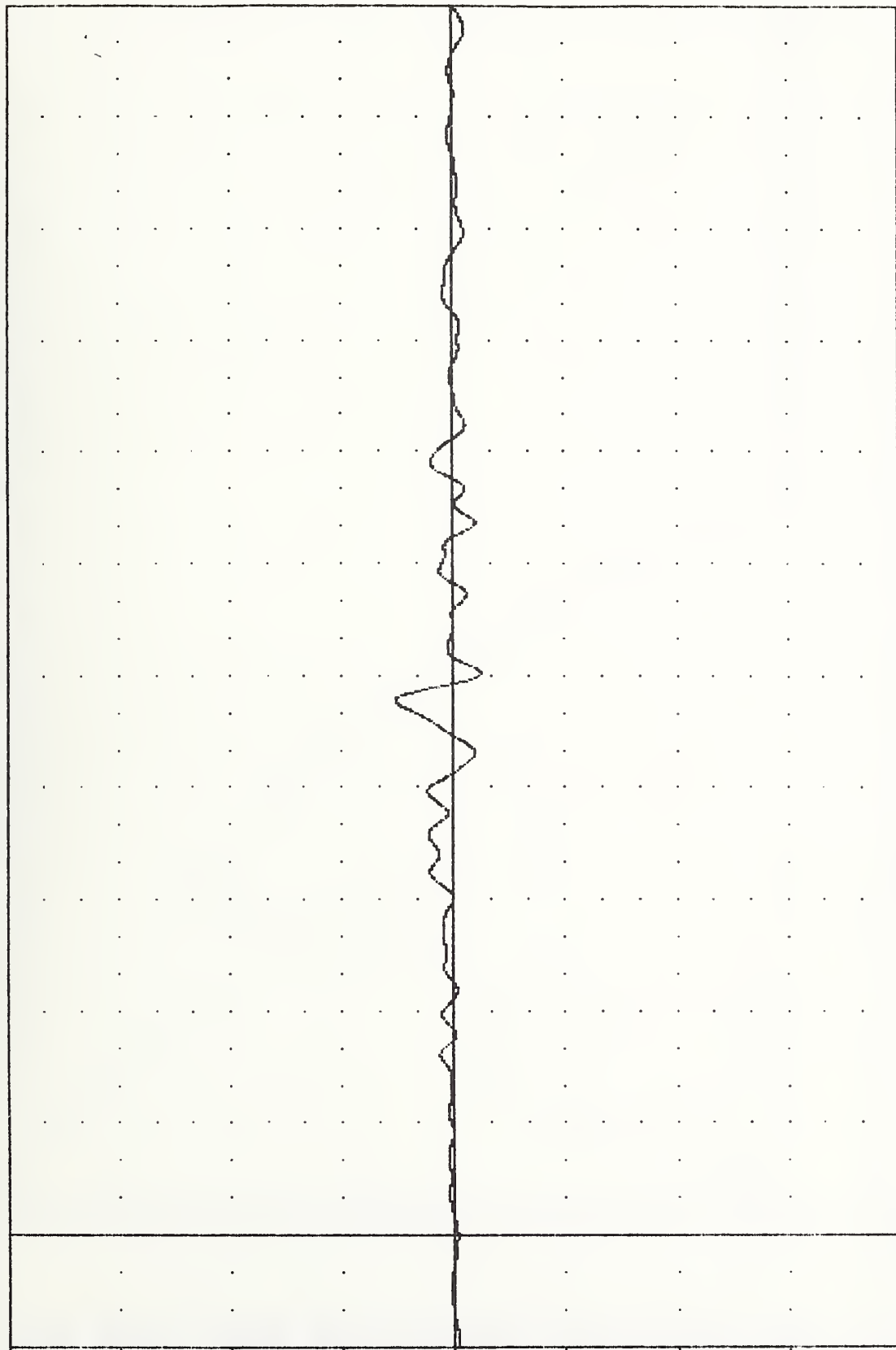
VRIC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85148
LPBZG

PLOT DATE 28-MAY-85 15:57:25

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -1.22e 100.25 , 2.59 e 95.38

ACCELERATION (G)



20.00 15.00 10.00 5.00 0.00 -5.00 -10.00 -15.00 -20.00

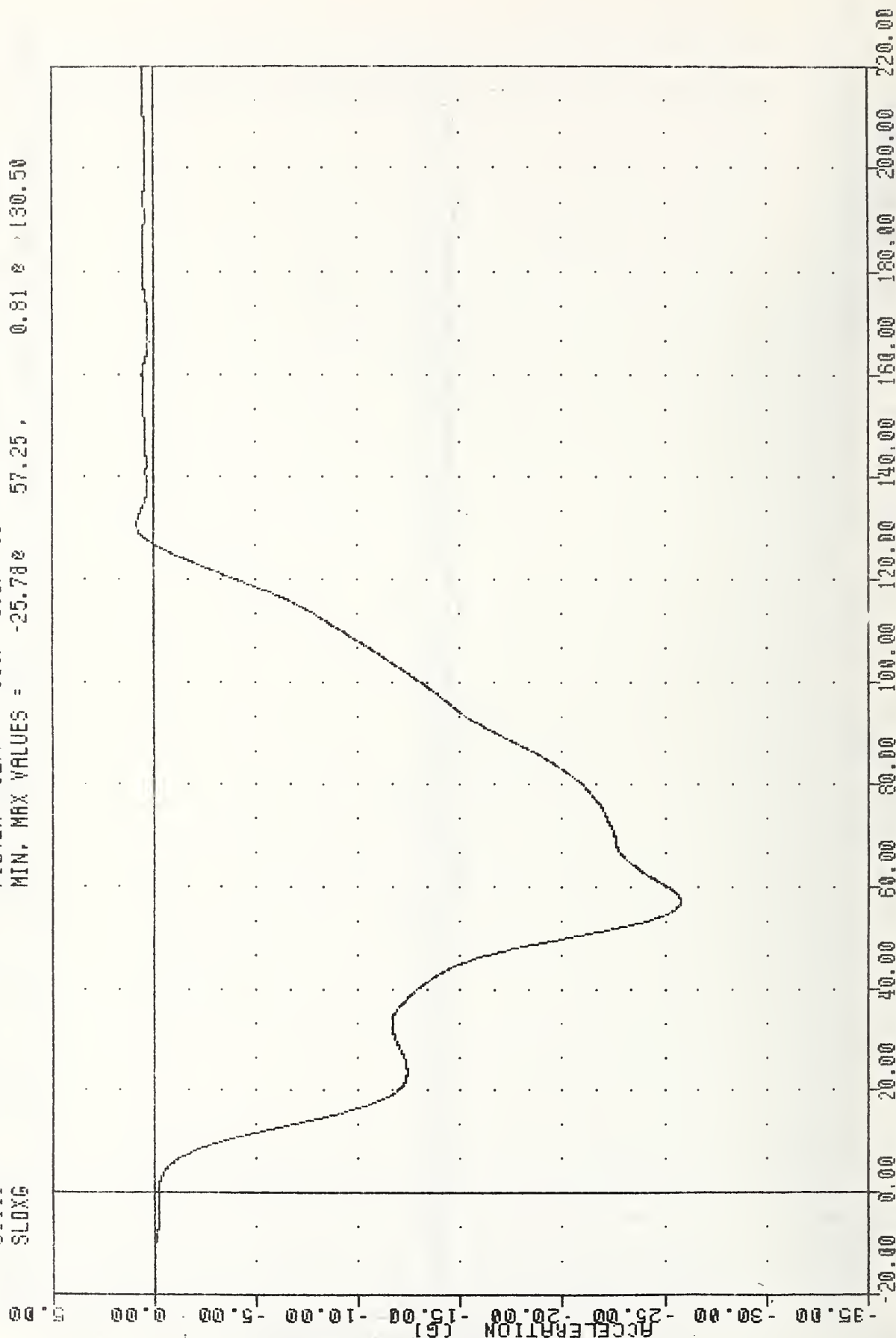
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Z AXIS

VRIC , RD384-4-40
BREED AIRBAG SLED PROGRAM
85148
SLOXC

PLOT DATE 28-MAY-85 15:57:25

FILTER = 8LFF 100/ 316/ -40

MIN, MAX VALUES = -25.78e 57.25, 0.81 e 130.50



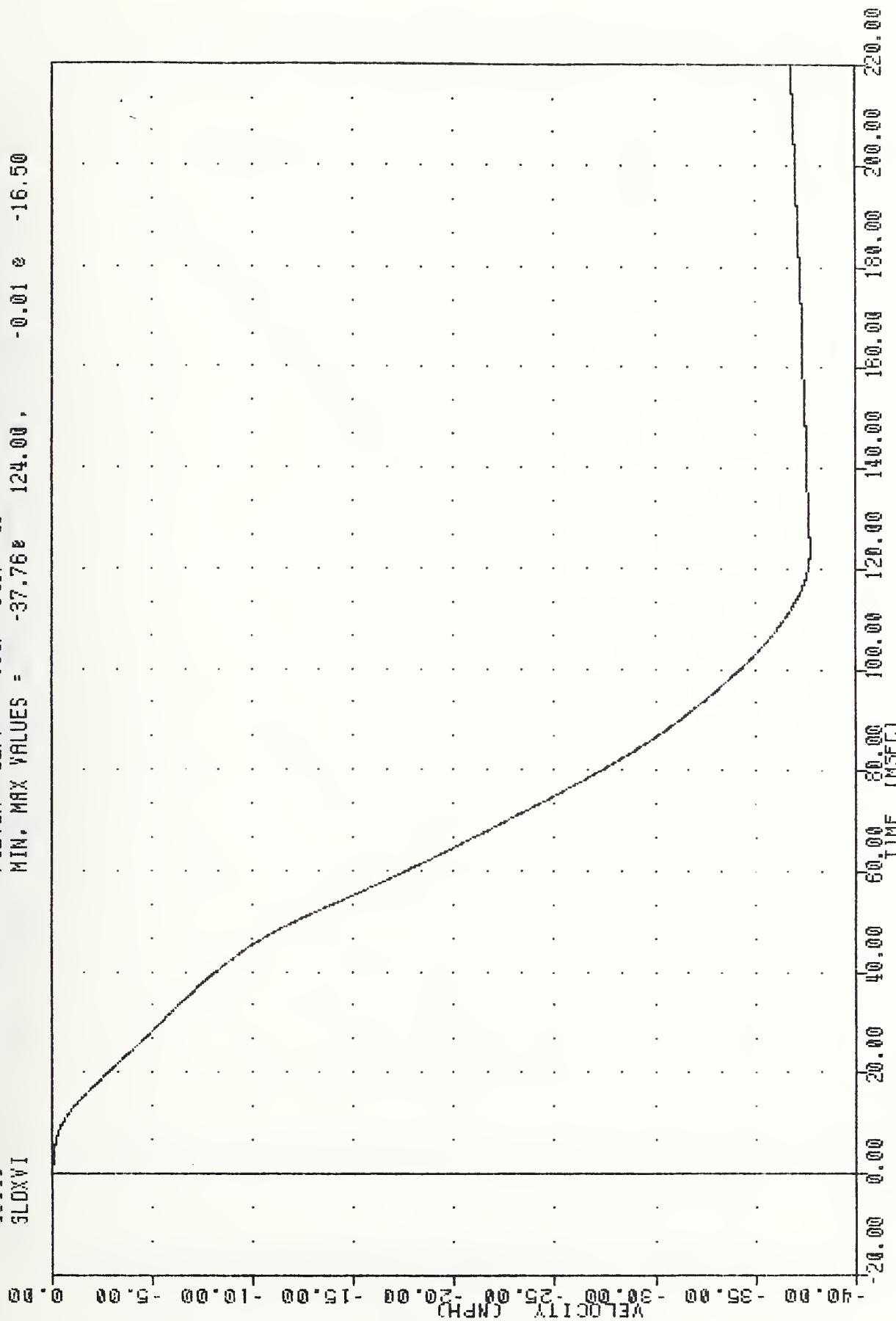
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED ACCELERATION

VRIC , R0384-4-40
BREED AIRBAG SLED PROGRAM
85148
SLOXVI

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -37.76e 124.00, -0.01 e -16.50



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

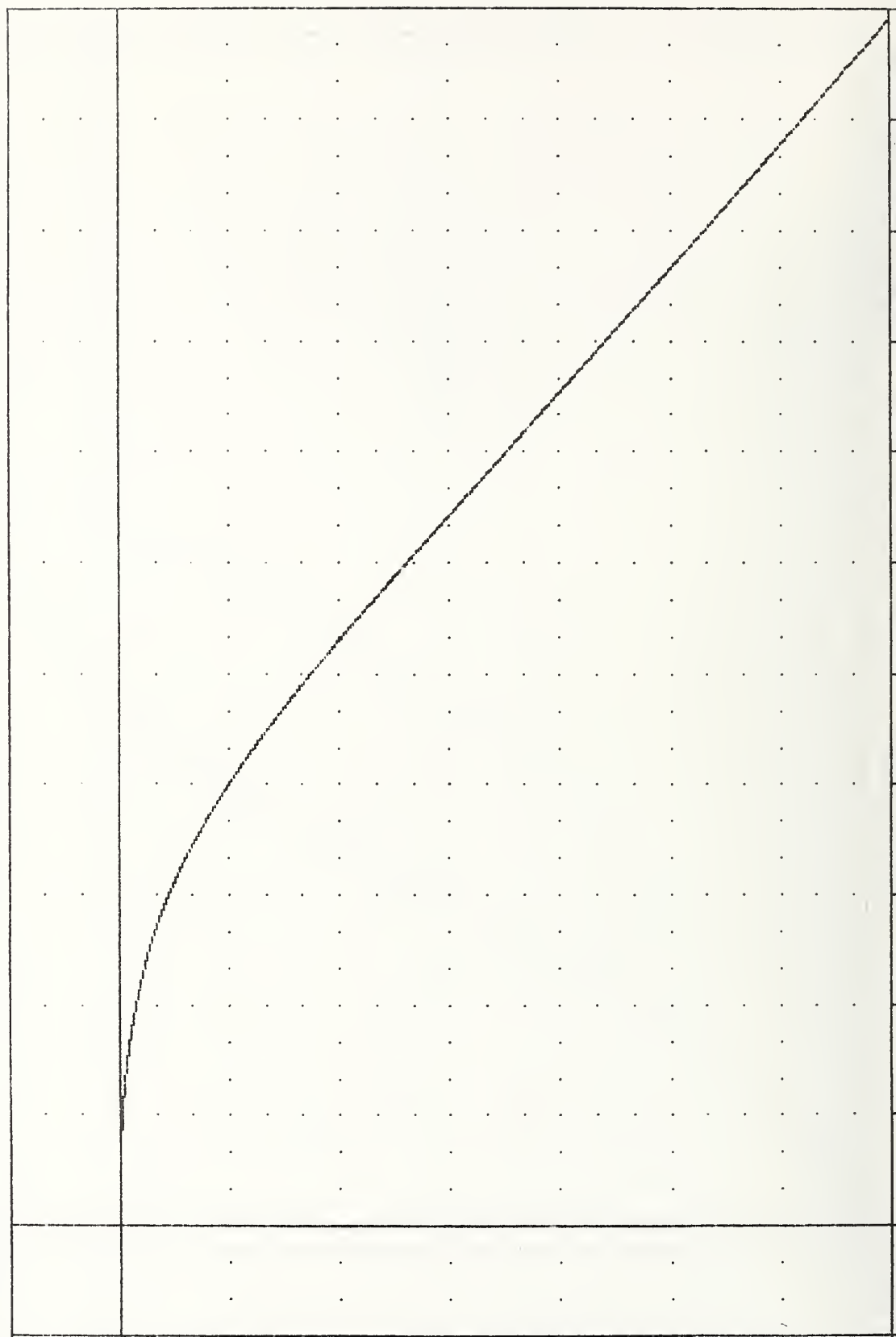
VRIC
BREED AIRBAG SLED PROGRAM
85148
SLOXD

PLOT DATE 28-MAY-85 15:59:24

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -70.928 220.00, -0.01 e, -20.00

DISPLACEMENT (IN)
-70.00 -60.00 -50.00 -40.00 -30.00 -20.00 -10.00 0.00 10.00



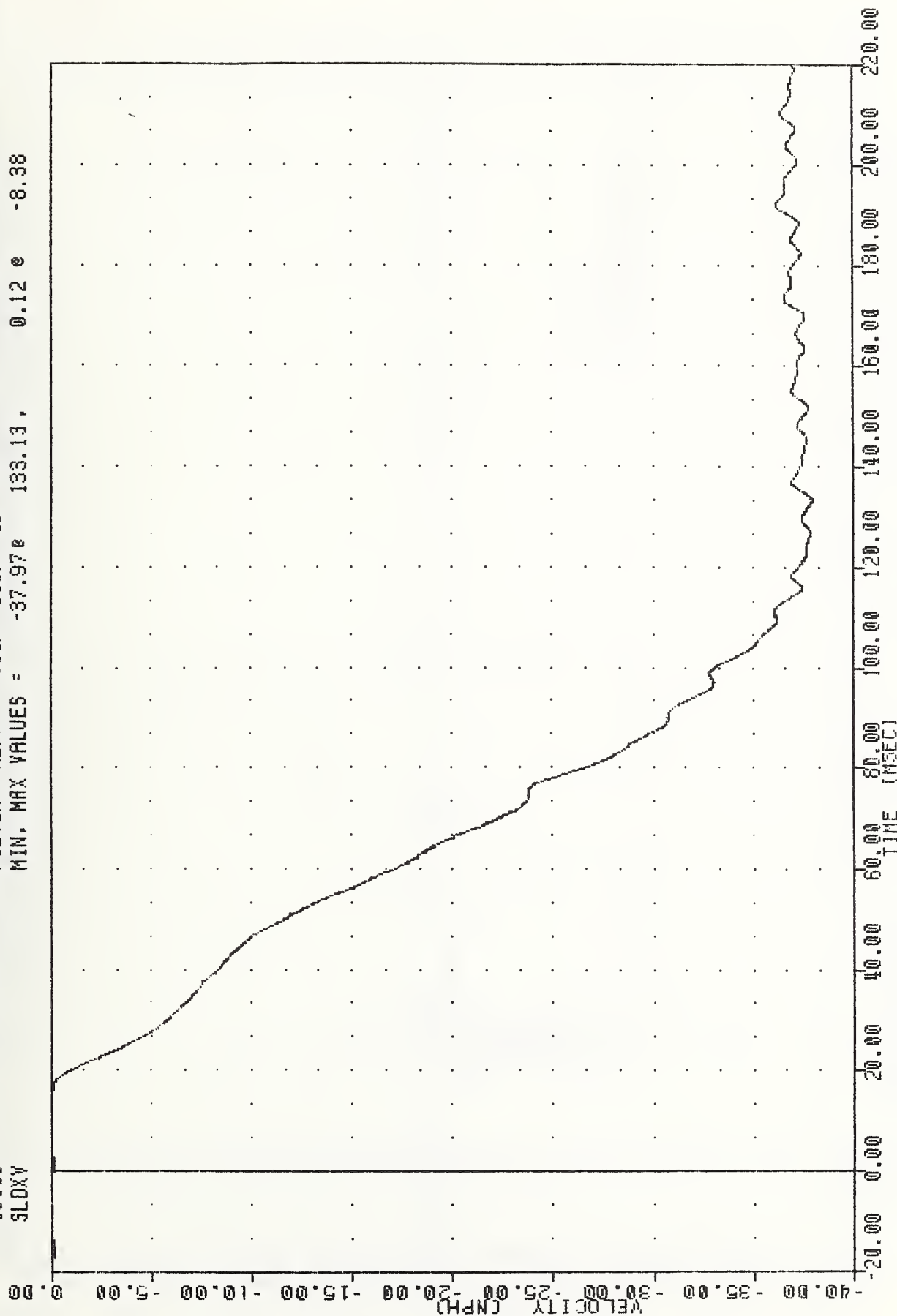
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DELTA X USING SLOXVI

VRTC , RD334-4-40
BREED AIRBAG SLED PROGRAM
85148
SLODY

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -37.97e 133.13 , 0.12 e -8.38



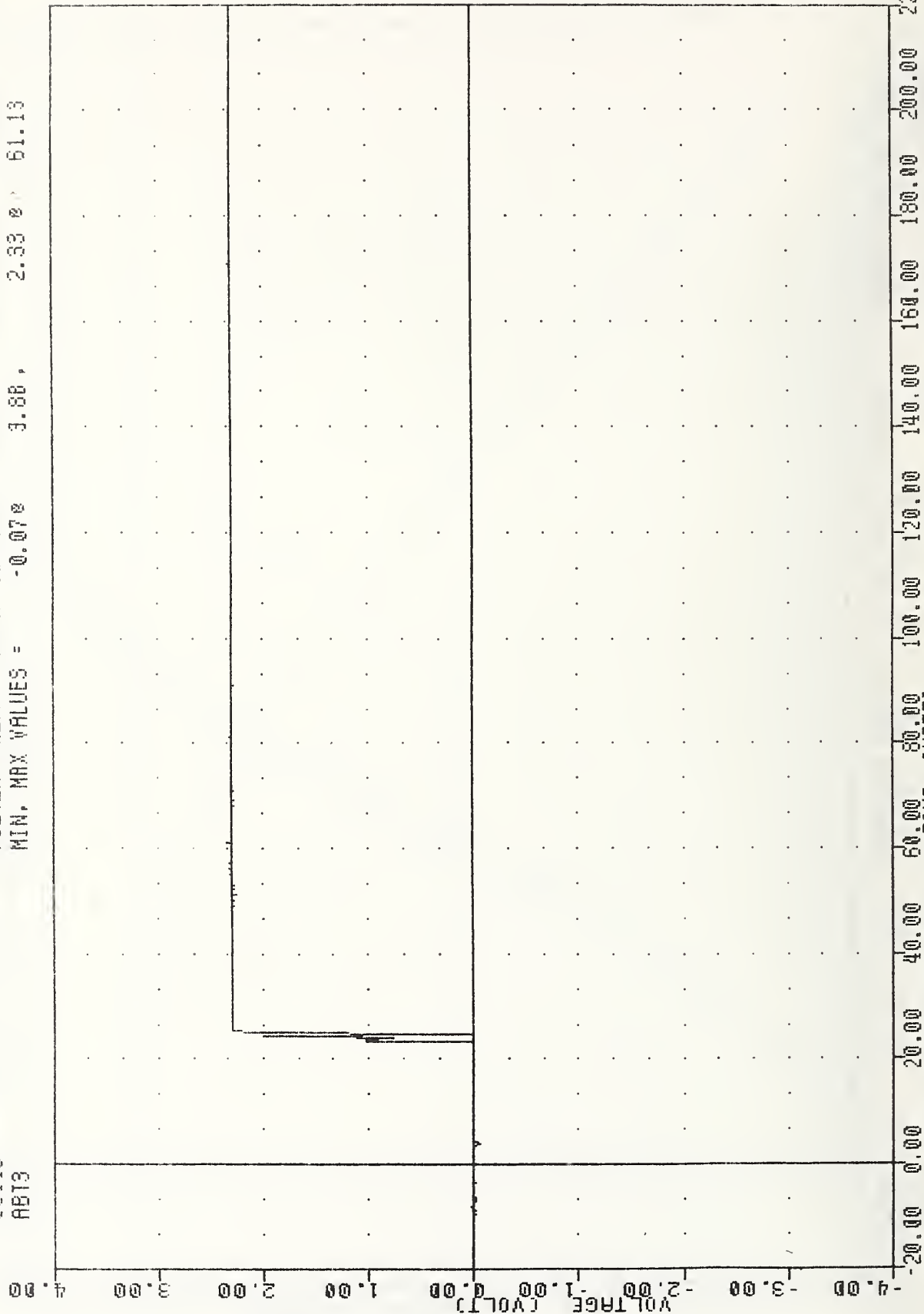
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRIC RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 ABT3

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.078 3.88, 2.33 61.13



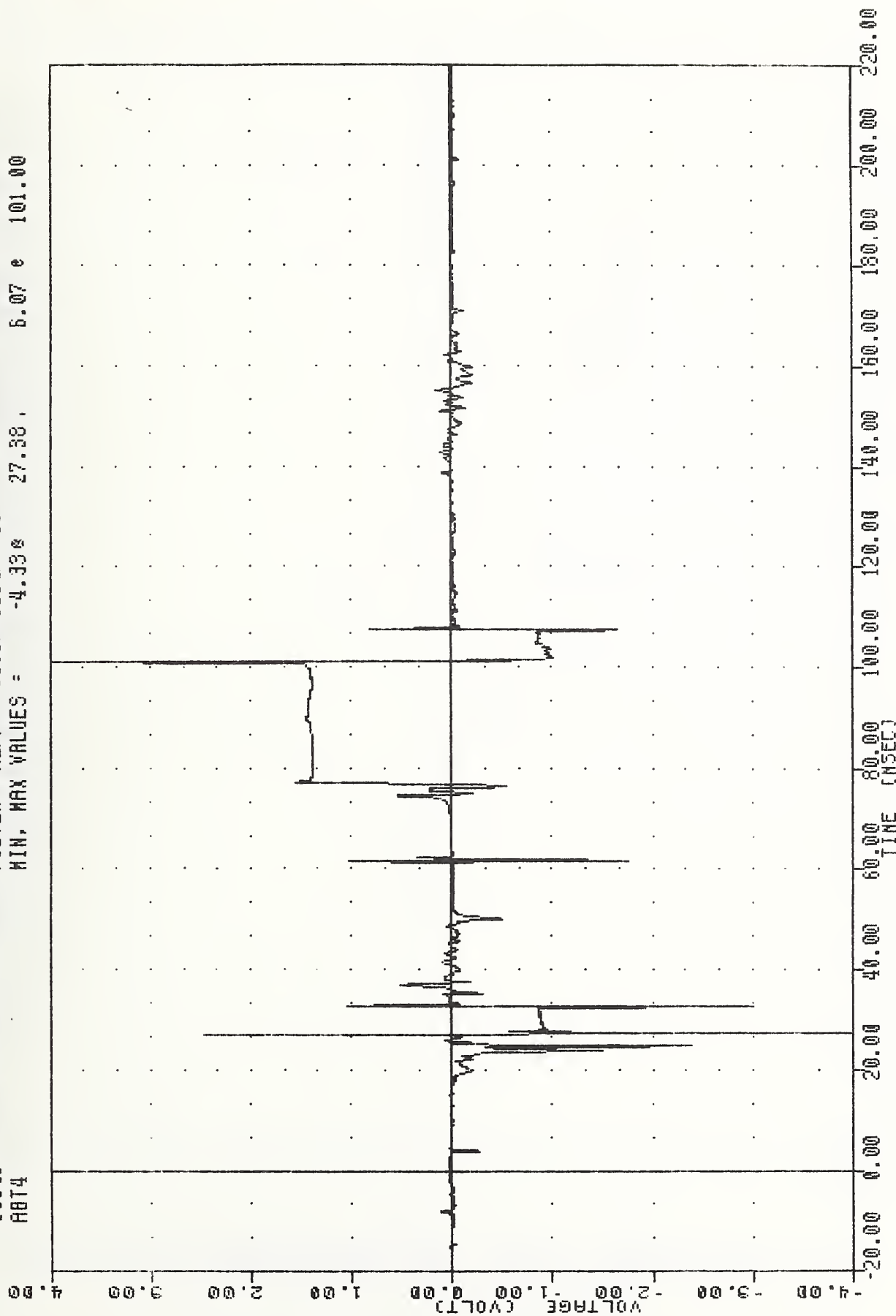
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VRIC RD384-4-40
BREED AIRBAG SLED PROGRAM
85146
HBT4

PLOT DATE 28-MAY-85 15:57:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -4.33e 27.38, 6.07 e 101.00



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
KNEE CONTACT

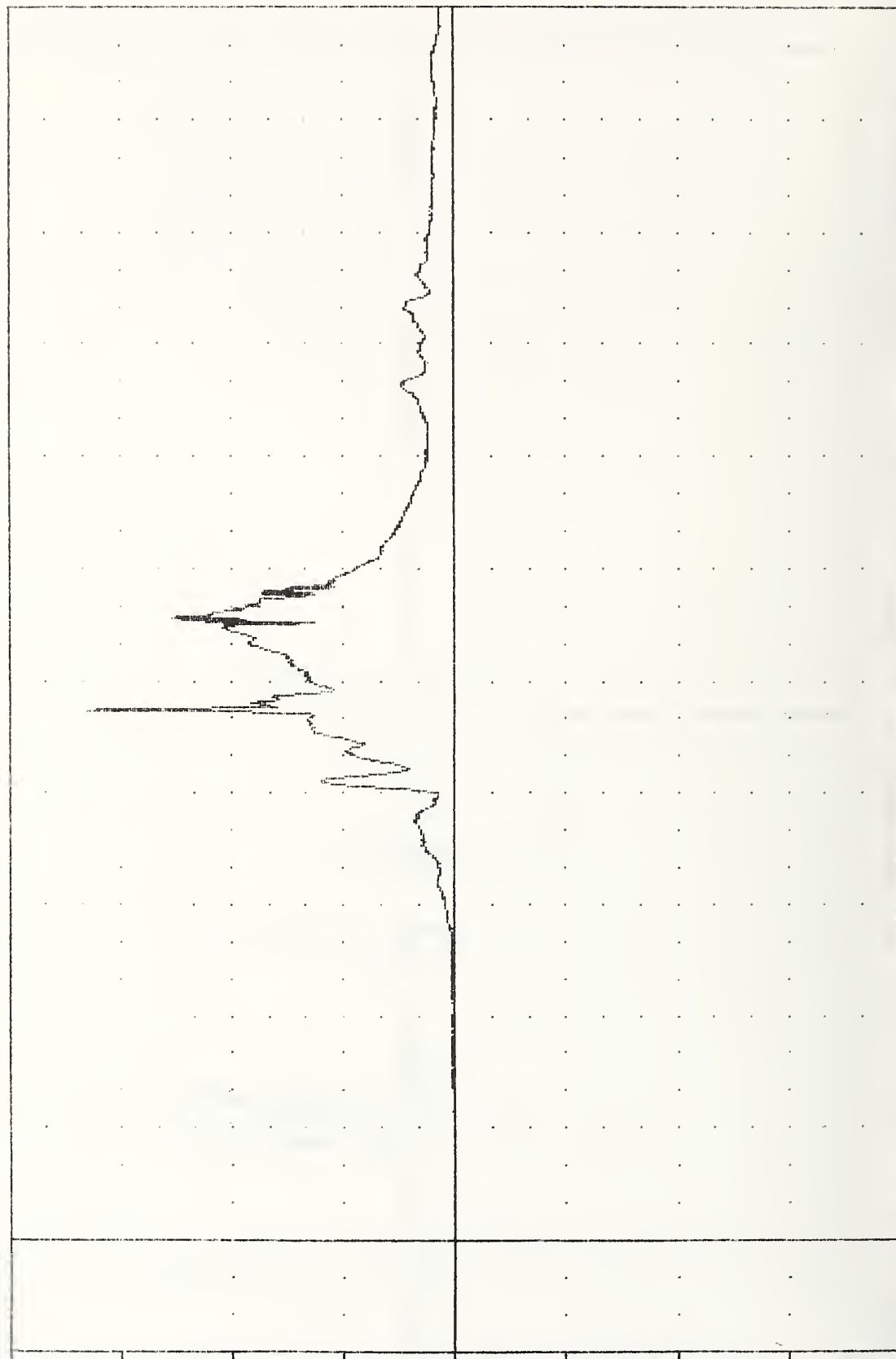
VRTC
BREED AIRBAG SLED PROGRAM
85148
HEOR61

PLOT DATE 30-MAY-97 17:59:44

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.04e -9.63, 164.99 e 94.63

ACCELERATION (G)



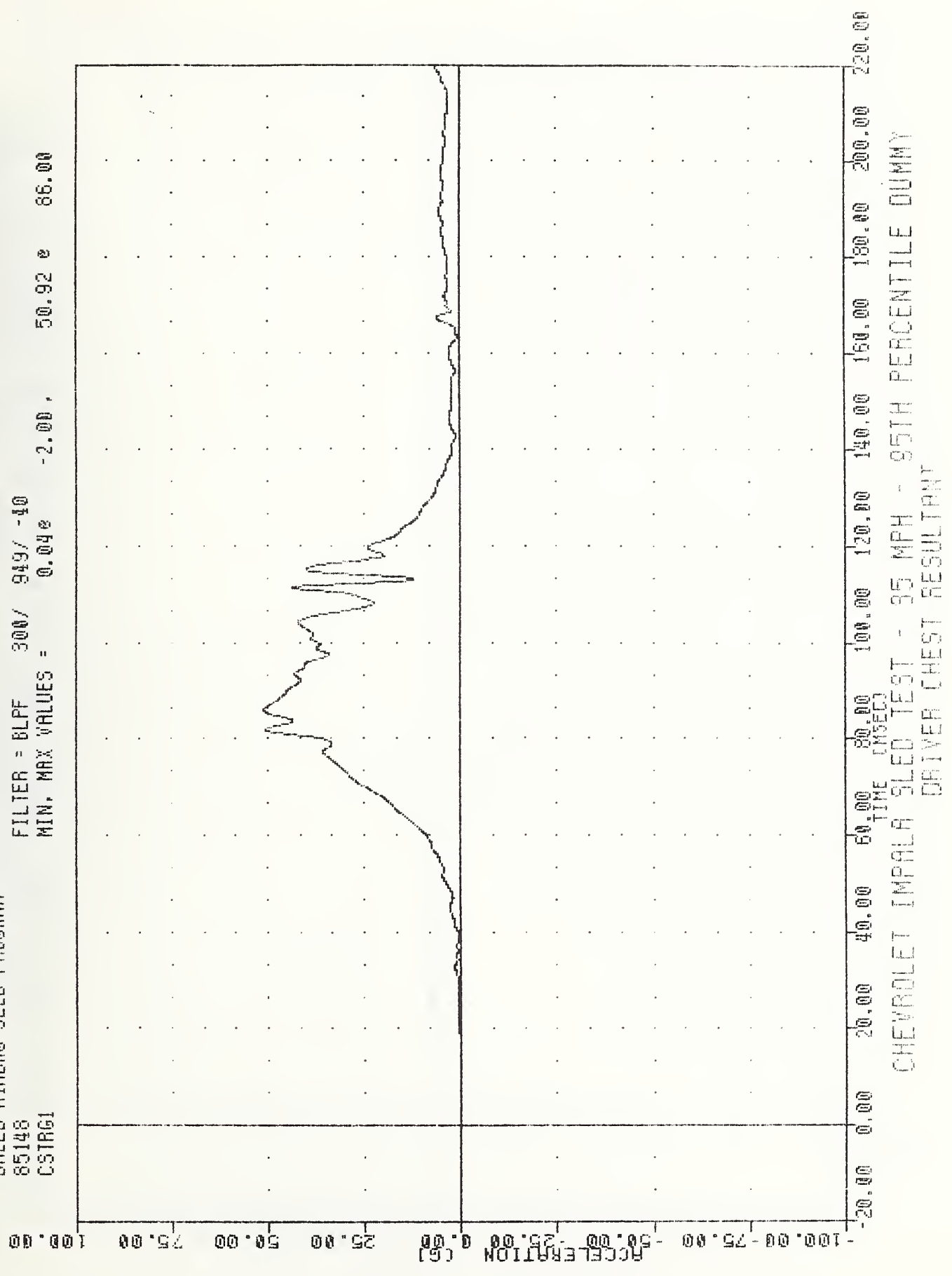
TIME (msec)

CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY

DRIVER HEAD RESULTANT

VRIC RD384-4-10
 BREED AIRBAG SLED PROGRAM
 85148
 CSTRG1

PLOT DATE 30-MAY-85 15:59:44
 FILTER = BLPF 300/ 949/ -10
 MIN. MAX VALUES = 0.04e -2.00 50.92 e 86.00



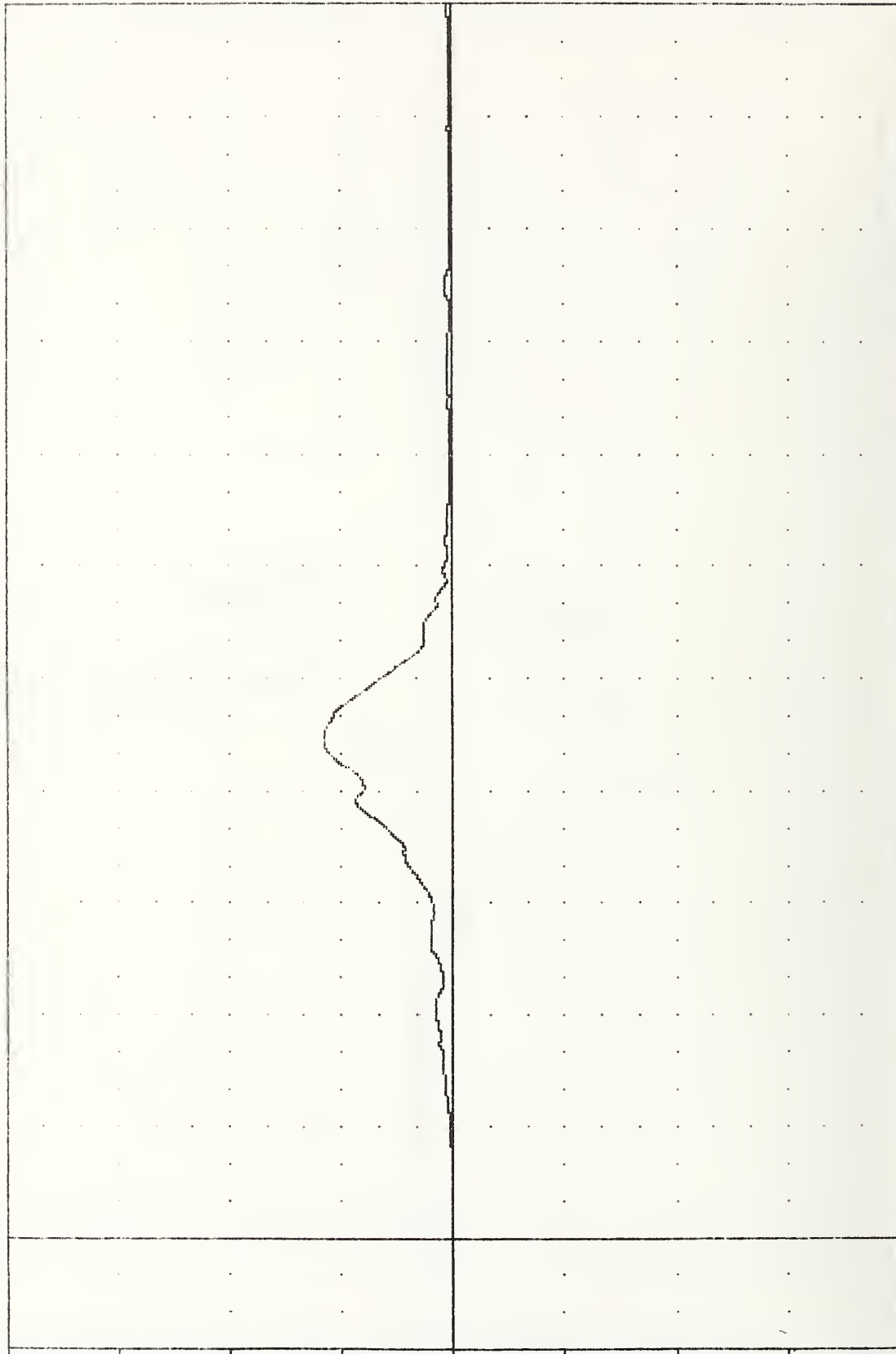
VRATC , RD364-4-40
BAREO AIRBAG SLED PROGRAM
85148
PEVR61

PLOT DATE 30-MAY-85 10:59:44

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.000 2.30 , 57.74 e 88.75

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

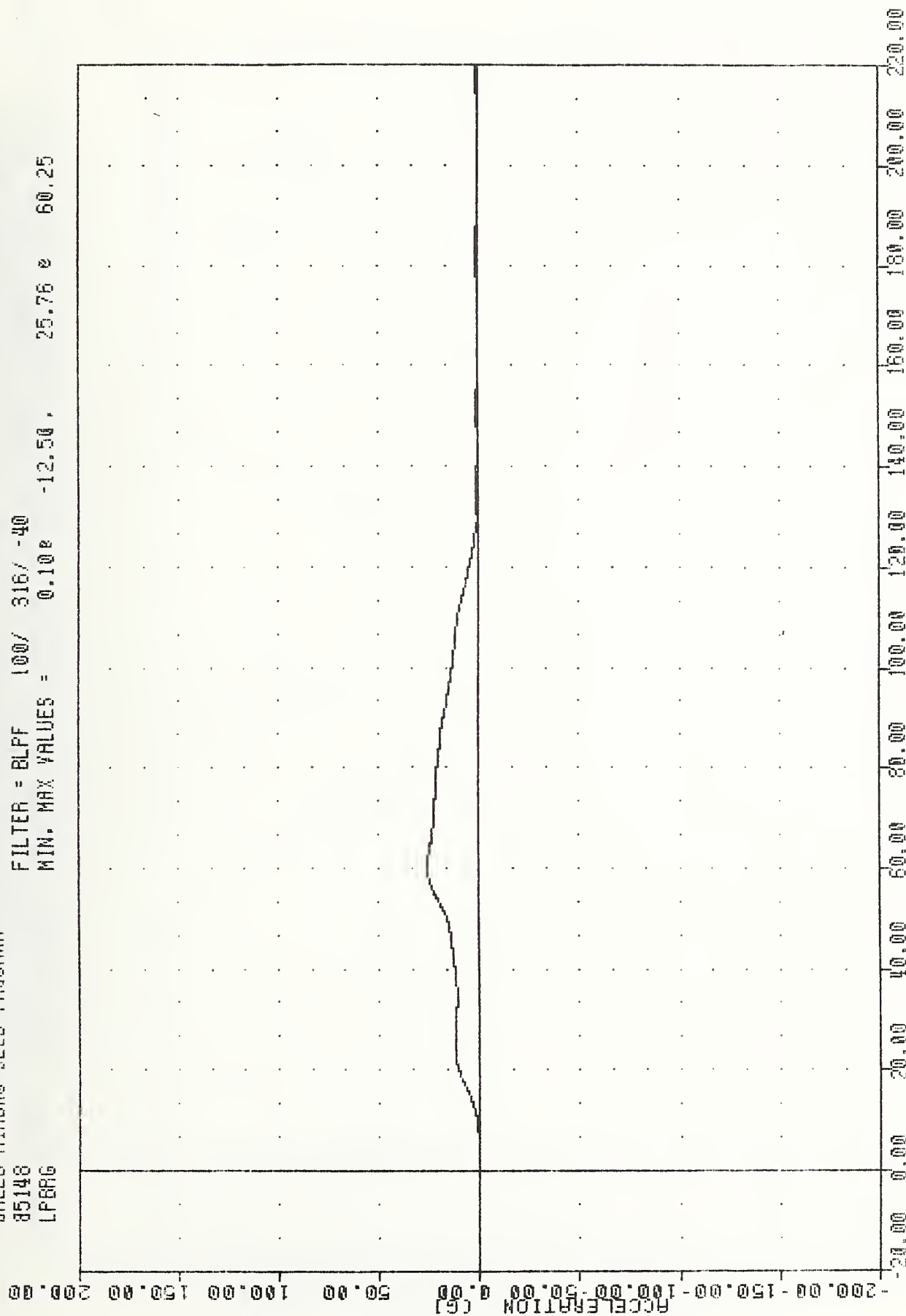
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
DRIVER PELVIS RESULTANT

VRTC , R0384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 LP8RG

PLOT DATE 30-MAY-85 15:59:44

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.10e -12.50, 25.76 e 60.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 PILLAR LEFT B RESULTANT

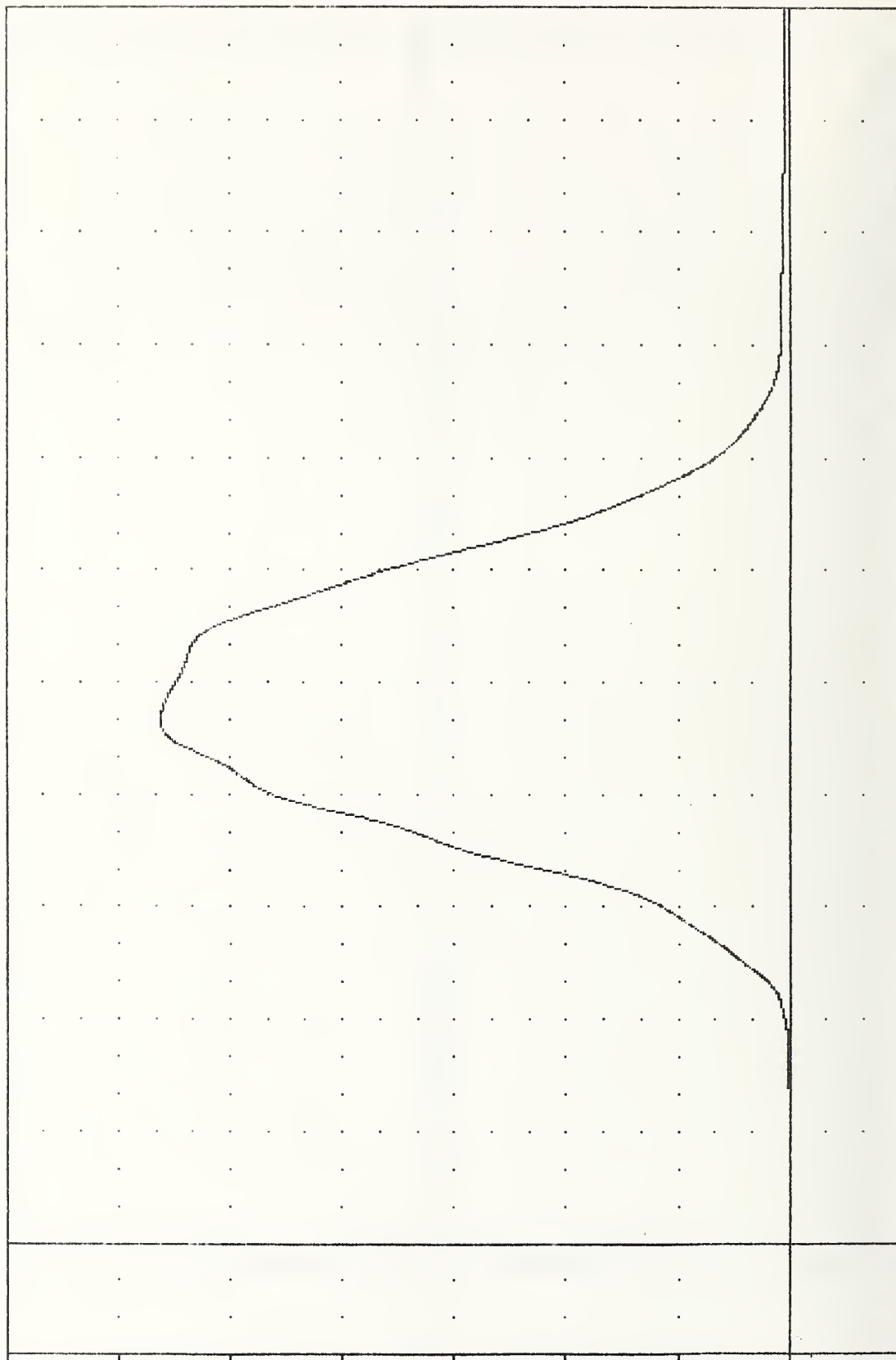
VRTC , RD384-4-40
 BREED AIRBAG SLED PROGRAM
 85146
 SHBF1

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -0.452 -1.88 , 2245.39 e , 93.00

-40.00 0.00 40.00 80.00 120.00 160.00 200.00 240.00 280.00
 (X10³)
 FORCE (LB)



-40.00 0.00 40.00 80.00 120.00 160.00 200.00 240.00 280.00
 TIME (msec)

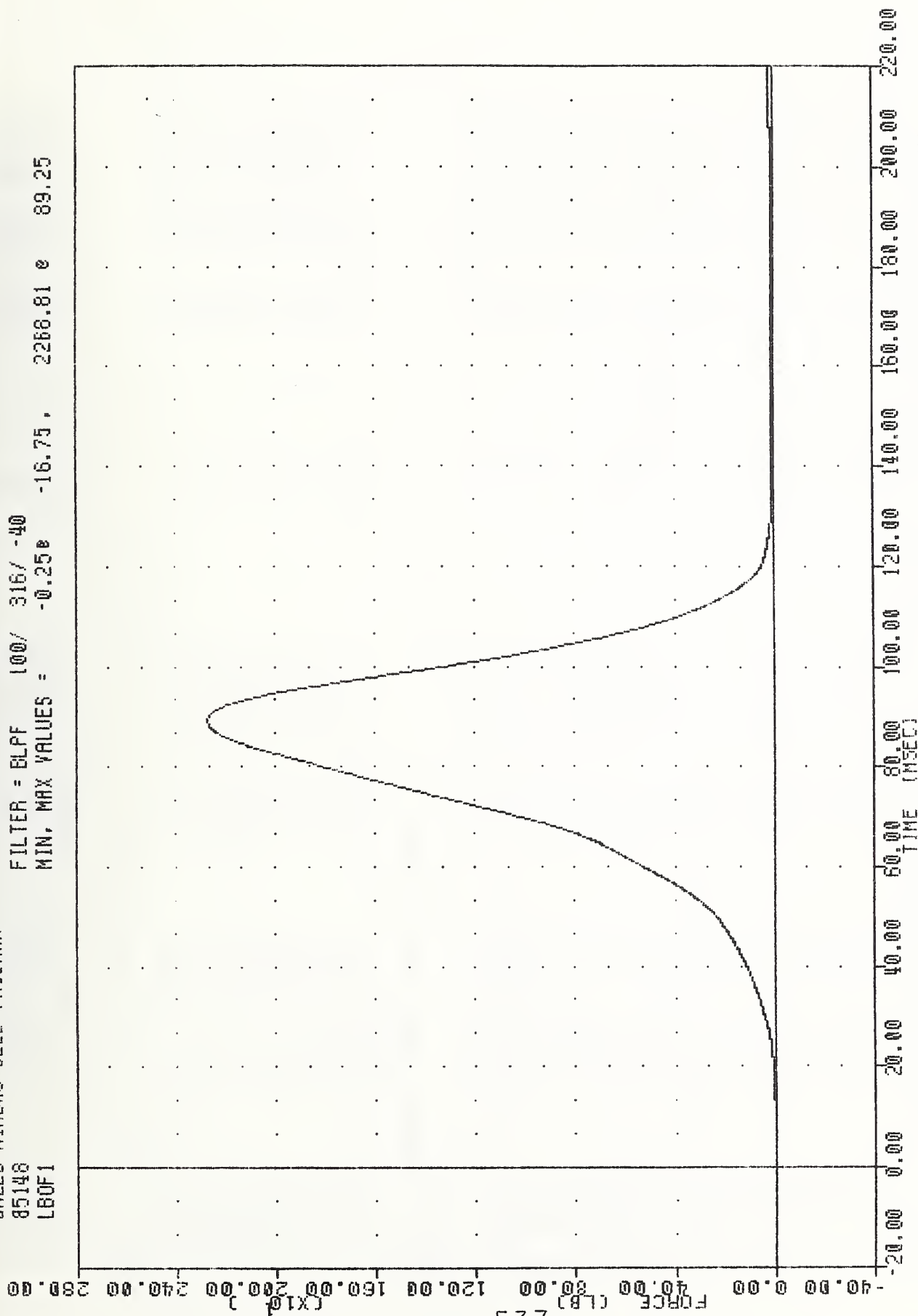
CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER SHOULDER BELT FORCE LBS

VRTC R0384-4-40
 BREED AIRBAG SLED PROGRAM
 85148
 LB0F1

PLOT DATE 28-MAY-85 15:57:25

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.25e -16.75, 2268.81 e 89.25



CHEVROLET IMPALA SLED TEST - 35 MPH - 95TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

TRC448P. RAD: 1
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM 29-MAY-85 15:39
85149 30.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.063 @	1.604 @	-1.000 msec	ALPF 1650/ 5214/ -40
2	SLDXV	-32.935 @	0.130 @	-7.625 msec	ALPF 100/ 316/ -40
3	SLDXG	-23.216 @	0.594 @	122.375 msec	BLPF 100/ 316/ -40
4	HEDXG1	-55.444 @	5.375 @	95.250 msec	ALPF 1650/ 5214/ -40
5	HEDYG1	-4.167 @	6.796 @	71.000 msec	ALPF 1650/ 5214/ -40
6	HEDZG1	-20.961 @	12.281 @	55.000 msec	ALPF 1650/ 5214/ -40
7	CSTXG1	-46.268 @	1.400 @	152.500 msec	BLPF 300/ 949/ -40
8	CSTYG1	-4.168 @	5.350 @	64.375 msec	BLPF 300/ 949/ -40
9	CSTZG1	-18.004 @	1.910 @	145.500 msec	BLPF 300/ 949/ -40
10	PEVXG1	-52.374 @	3.297 @	96.500 msec	BLPF 300/ 949/ -40
11	PEVYG1	-4.581 @	11.729 @	51.875 msec	BLPF 300/ 949/ -40
12	PEVZG1	-17.171 @	2.067 @	53.625 msec	BLPF 300/ 949/ -40
13	LFMF1	-346.211 @	12.130 @	43.750 msec	BLPF 1000/ 3162/ -40
14	RFMF1	-229.746 @	33.661 @	52.625 msec	BLPF 1000/ 3162/ -40
15	STHPG	-42.804 @	12.156 @	112.000 msec	BLPF 100/ 316/ -40
16	STHLG	-13.070 @	11.426 @	88.125 msec	BLPF 100/ 316/ -40
17	STHIG	-11.018 @	35.523 @	81.000 msec	BLPF 100/ 316/ -40
18	LPBAG	-23.406 @	0.962 @	124.000 msec	BLPF 100/ 316/ -40
19	LPBVG	-1.780 @	1.614 @	35.250 msec	BLPF 100/ 316/ -40
20	LPBZG	-1.302 @	2.052 @	30.125 msec	BLPF 100/ 316/ -40
21	LBOP1	-1.823 @	682.116 @	72.000 msec	BLPF 100/ 316/ -40
22	ABTP	-2.805 @	31.921 @	31.000 msec	ALPF 1650/ 5214/ -40
23	ABT1	-10.000 @	0.004 @	-12.500 msec	ALPF 1650/ 5214/ -40
24	ABT2	-2.152 @	0.916 @	100.250 msec	ALPF 1650/ 5214/ -40
25	ABT3	-0.001 @	2.330 @	102.375 msec	ALPF 1650/ 5214/ -40
26	ABT4	-0.112 @	2.185 @	54.000 msec	ALPF 1650/ 5214/ -40

TRC448IP. RAD: 1
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM 29-MAY-85 15:39
85149 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDXV1	-31.404 @	-0.069 @	27.875 msec	BLPF 300/ 949/ -40
2	HEDXD1	-54.300 @	-0.038 @	-20.000 msec	BLPF 300/ 949/ -40
3	CSTXV1	-31.564 @	0.139 @	-8.125 msec	BLPF 300/ 949/ -40
4	CSTXD1	-54.826 @	0.139 @	30.625 msec	BLPF 300/ 949/ -40
5	PEVXV1	-30.094 @	0.060 @	-0.250 msec	BLPF 300/ 949/ -40
6	PEVXD1	-52.740 @	0.039 @	17.750 msec	BLPF 300/ 949/ -40
7	SLDXV1	-32.558 @	0.001 @	-16.625 msec	BLPF 300/ 949/ -40
8	SLDXD	-62.178 @	0.000 @	-14.750 msec	BLPF 300/ 949/ -40
9	STHPV	-30.196 @	0.326 @	-20.000 msec	BLPF 300/ 949/ -40
10	STHPD	-52.452 @	0.269 @	11.250 msec	BLPF 300/ 949/ -40
11	LPBXV	-31.652 @	0.144 @	-14.250 msec	BLPF 300/ 949/ -40
12	LPBXD	-59.233 @	0.100 @	8.000 msec	BLPF 300/ 949/ -40

TRC448RP. RAD: 1
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM 29-MAY-85 15:39
85149 30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.041 @	55.842 @	64.750 msec	ALPF 1650/ 5214/ -40
2	CSTRG1	0.061 @	46.634 @	61.875 msec	BLPF 300/ 949/ -40
3	PEVRG1	0.083 @	54.375 @	68.250 msec	BLPF 300/ 949/ -40
4	STHRG	0.079 @	47.422 @	81.250 msec	BLPF 100/ 316/ -40
5	LPBRG	0.068 @	23.406 @	61.375 msec	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC448RP.RAD:1
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM
85149 30.00 mph

* * * HIC computation for HEDRG1

29-MAY-85 15:39

Using time range = 0.000 to 109.250 msec Peak accel = 55.84 @ 64.750

HIC = 228.10 Interval from 48.250 [547] to 80.625 [806]

HIC = 167.83 Interval from 56.000 [609] to 71.000 [729]

R SYSF:THREEMS

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

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

Enter input filespec -> TRC448RP

File TRC448RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, DeltaX = 0.125000
VRTC RD384-4-41 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPERG

Enter channel name -> CSTRG1

[SLED,BREED]TRC448RP.RAD:1
BREED AIRBAG SLED PROGRAM 30.0 mph 85149 VRTC RD384-4-41
DeltaX: 0.125 29-MAY-85 15:43:41

3 MS CLIP PEAK: 45.19722

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

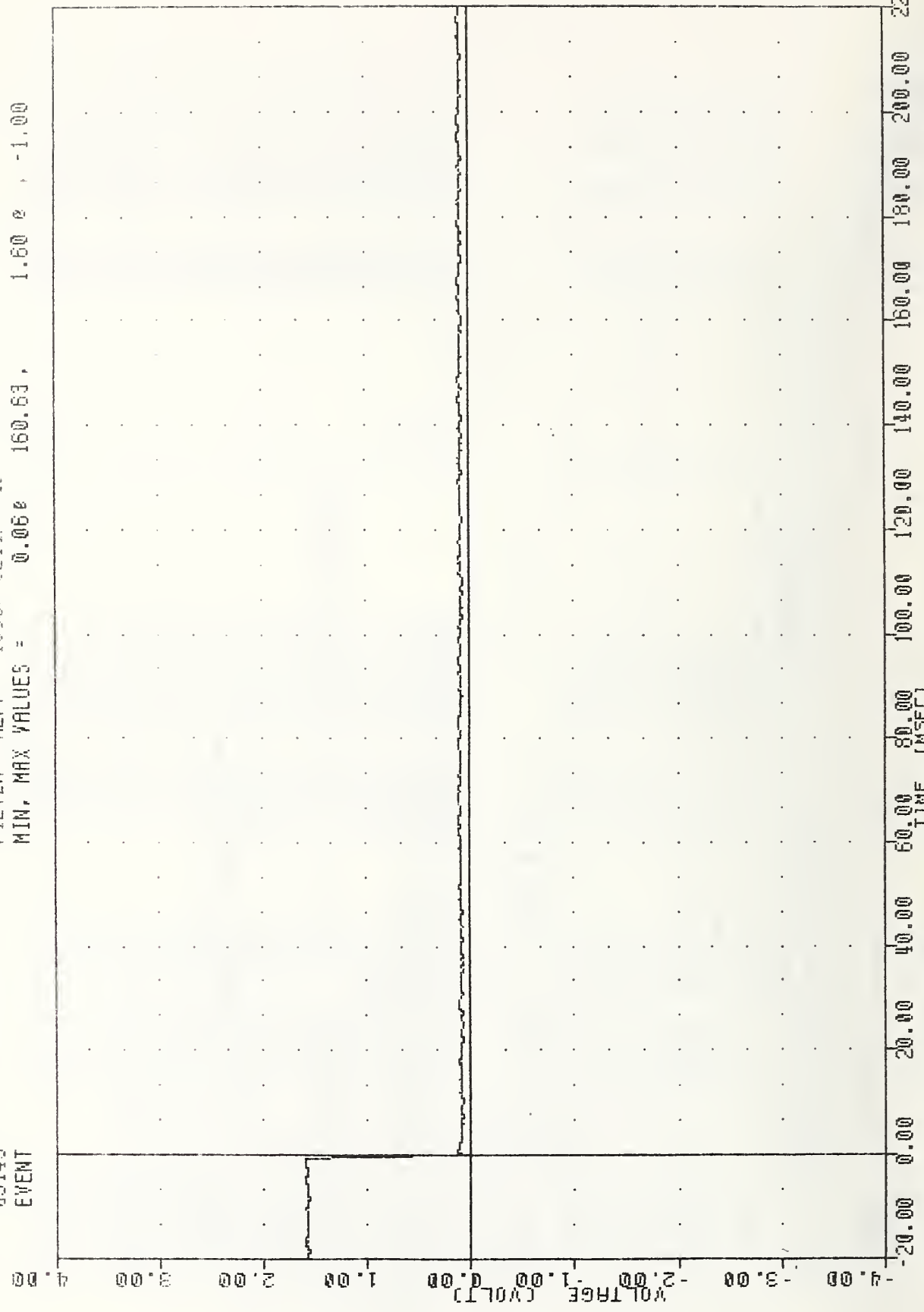
Enter input filespec -> ^Z
\$

VRIC
BREED AIRBAG SLED PROGRAM
85149
EVENT

PLOT DATE 30 MAY 85 09:13:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.06e 160.63, 1.60e -1.00



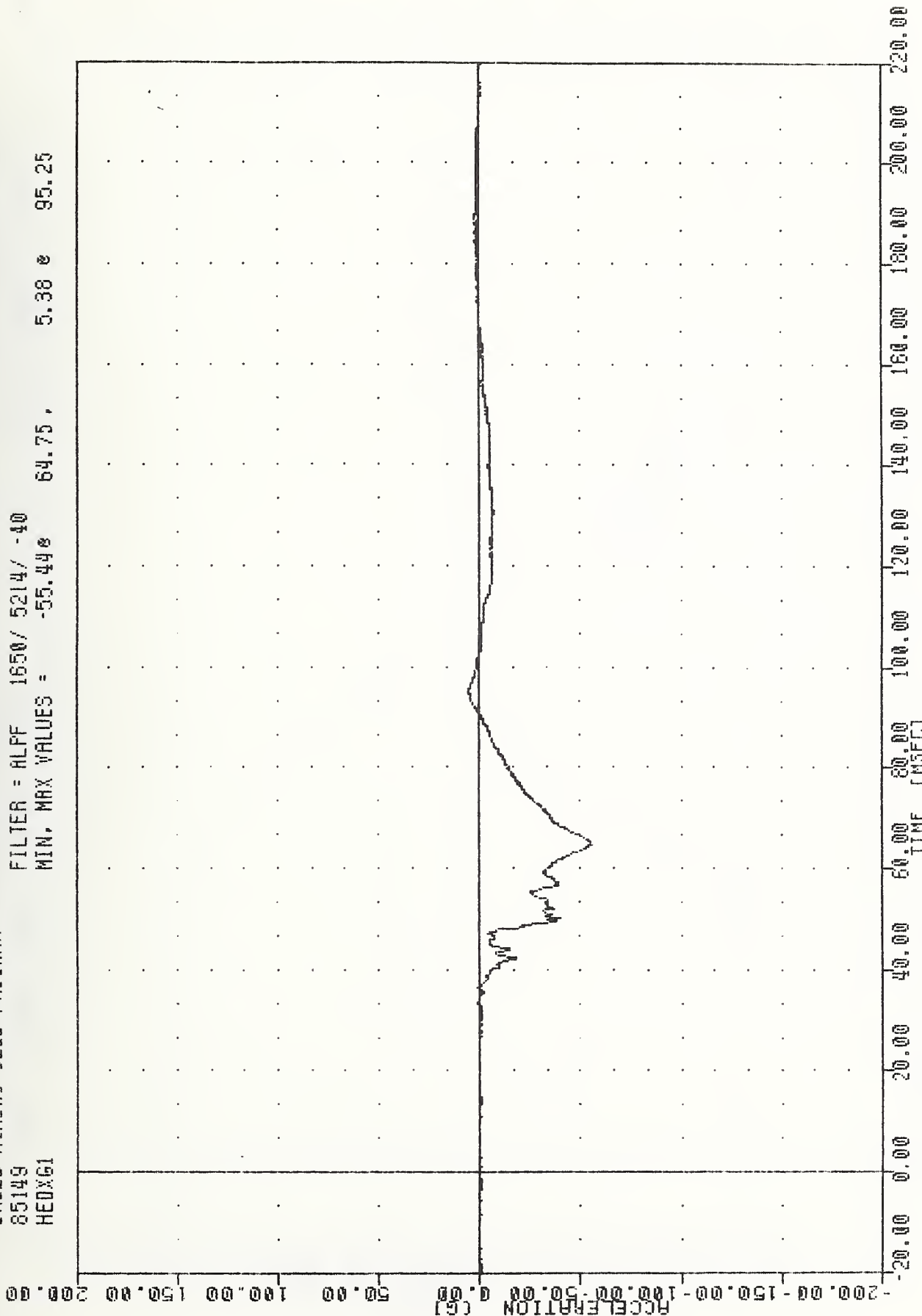
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
EVENT

WRIC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 HEDXG1

PLOT DATE 30-MAY-85 09:13:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -55.448 64.75, 5.38 95.25



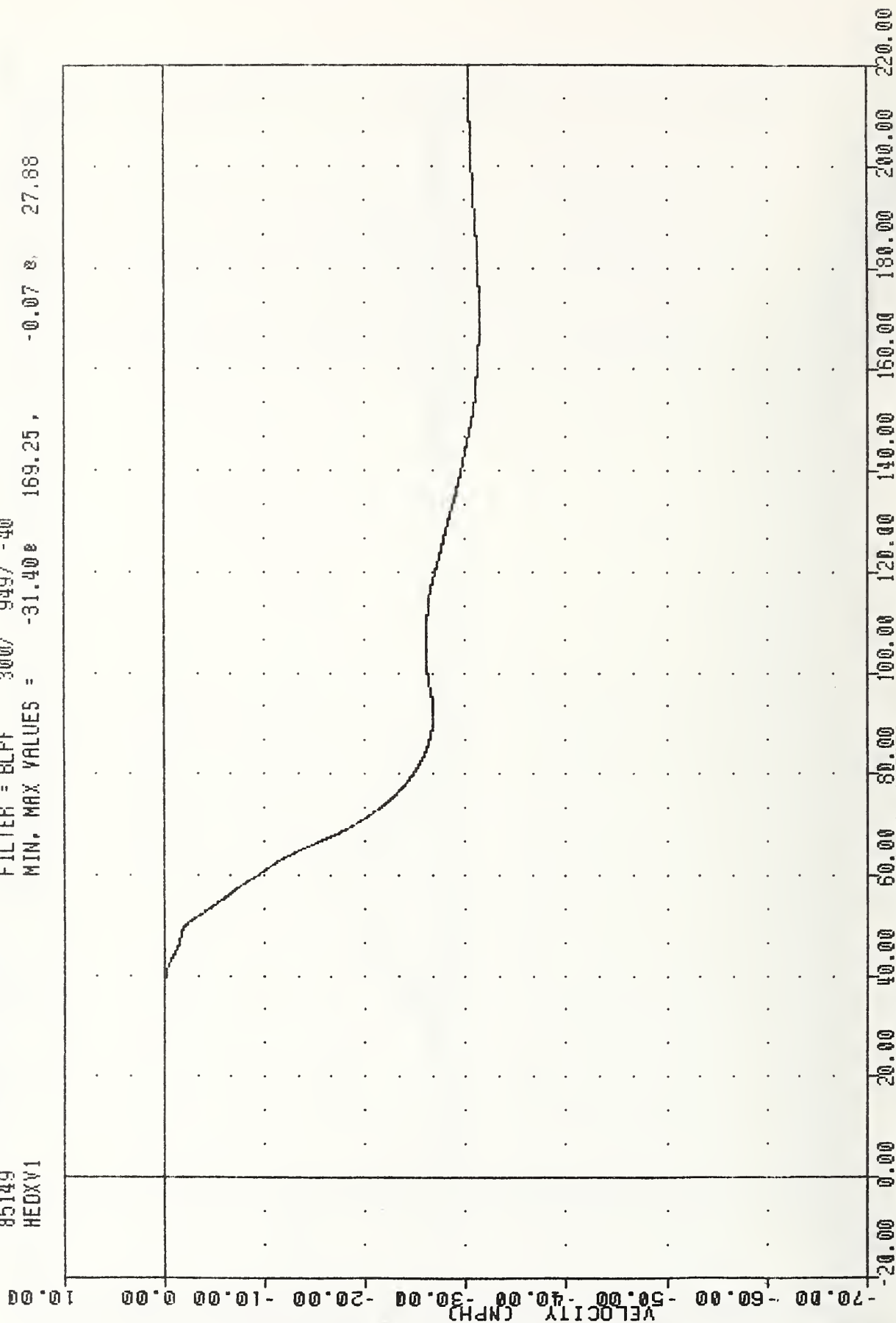
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION X AXIS

VRTC
BREED AIRBAG SLED PROGRAM
85149
HEDXV1

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -31.40e 169.25, -0.07 s, 27.88



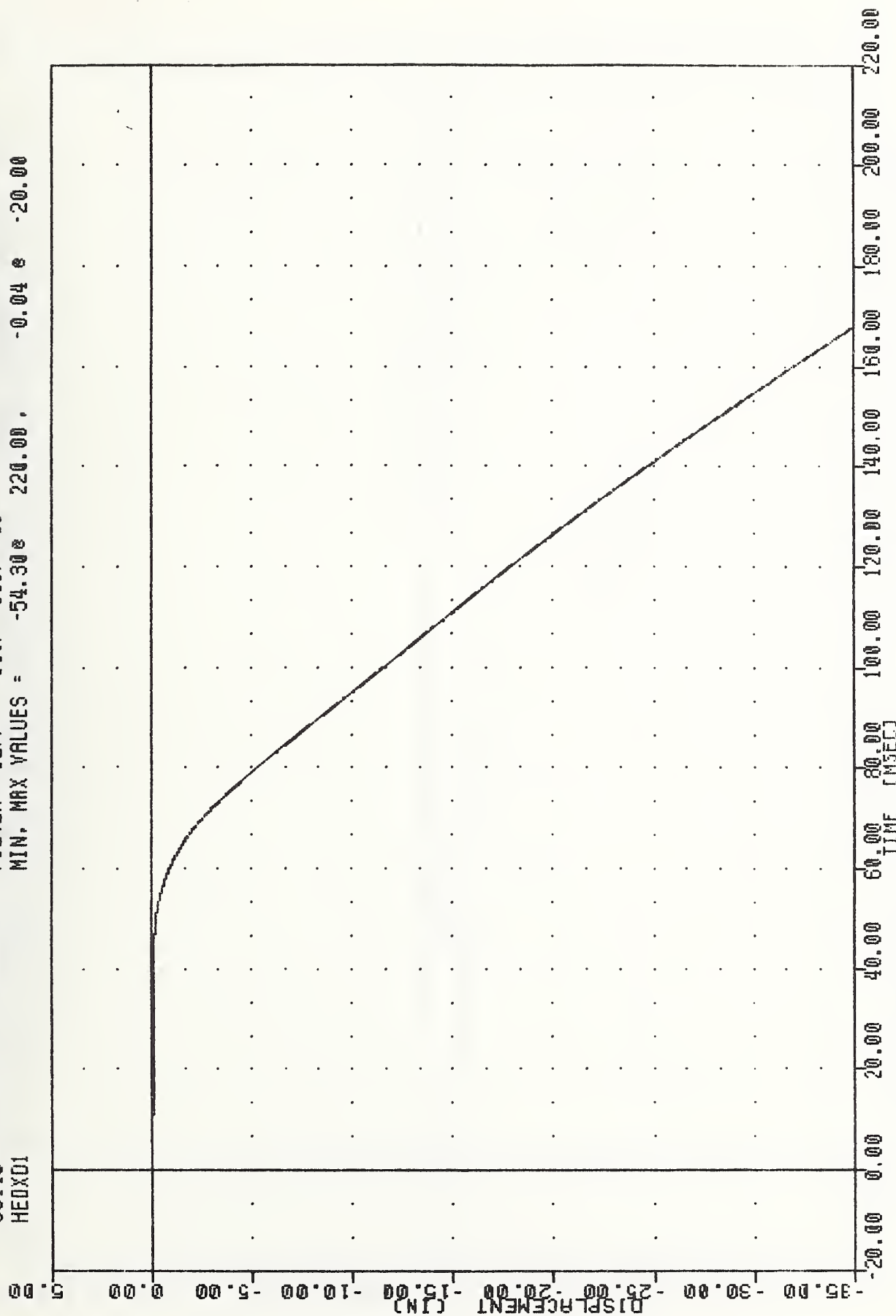
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
HEDX01

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -54.30e 220.00 , -0.04 e -20.00



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

DELTA X USING HEDXV1

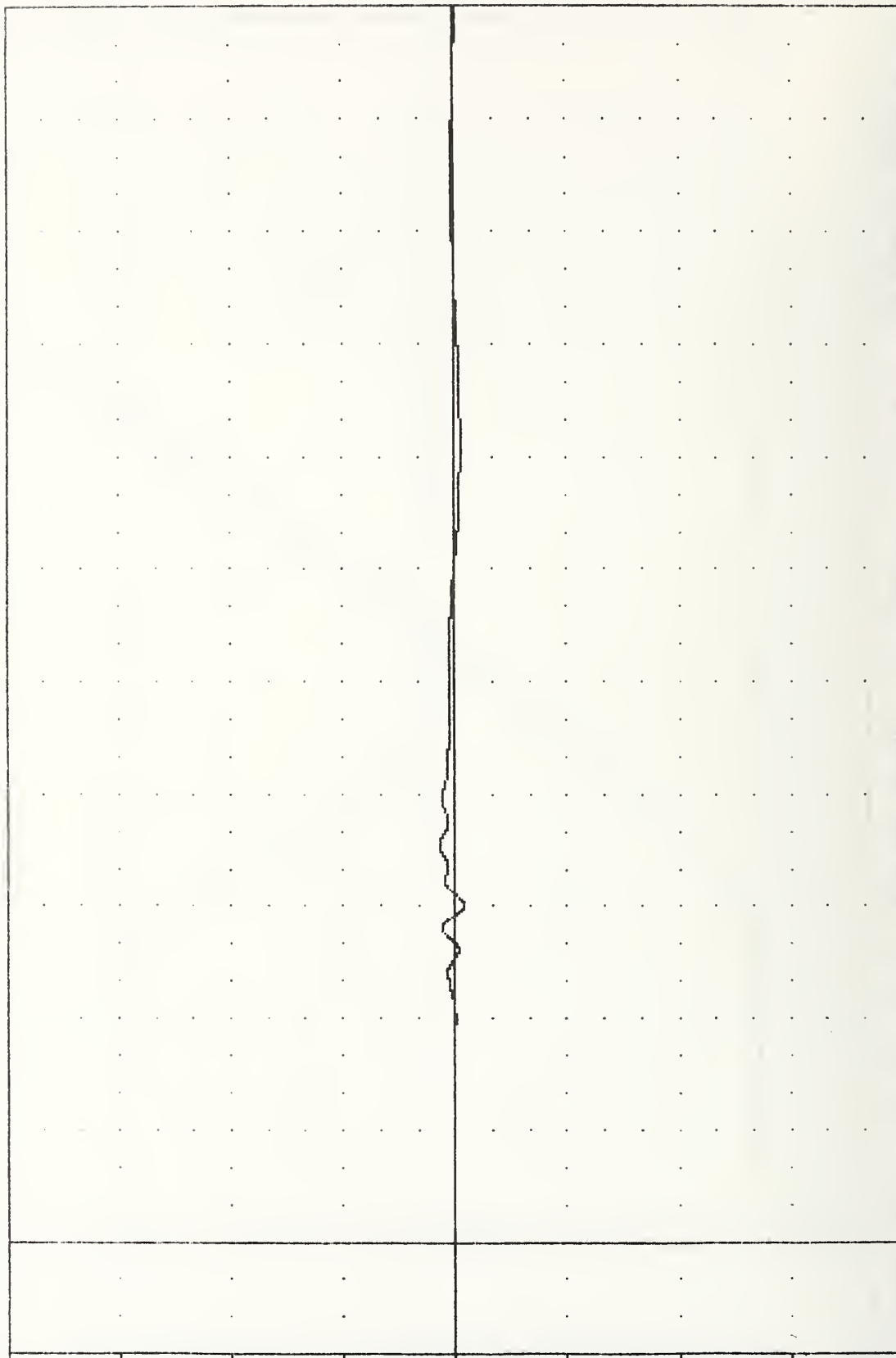
VATIC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 HEDY61

PLOT DATE 30 MAY 85 09:13:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -4.17% 60.00 , 6.80 * 71.00

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)

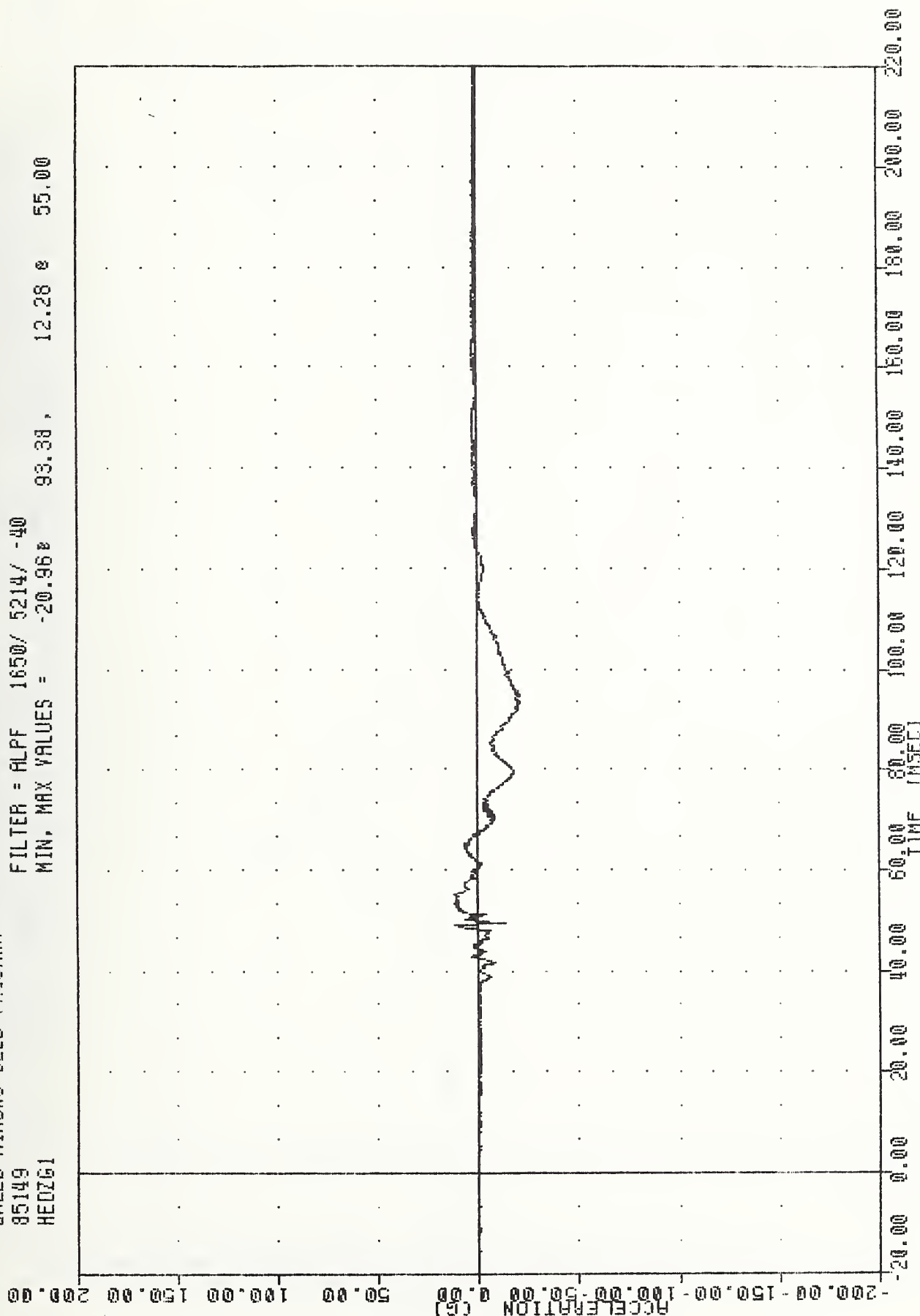
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

VRTC , R0384-4-41
BREED AIRBAG SLED PROGRAM
85149
HEDZG1

PLOT DATE 30-MAY-85 09:13:25

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -20.96% 93.38 , 12.28 % 55.00



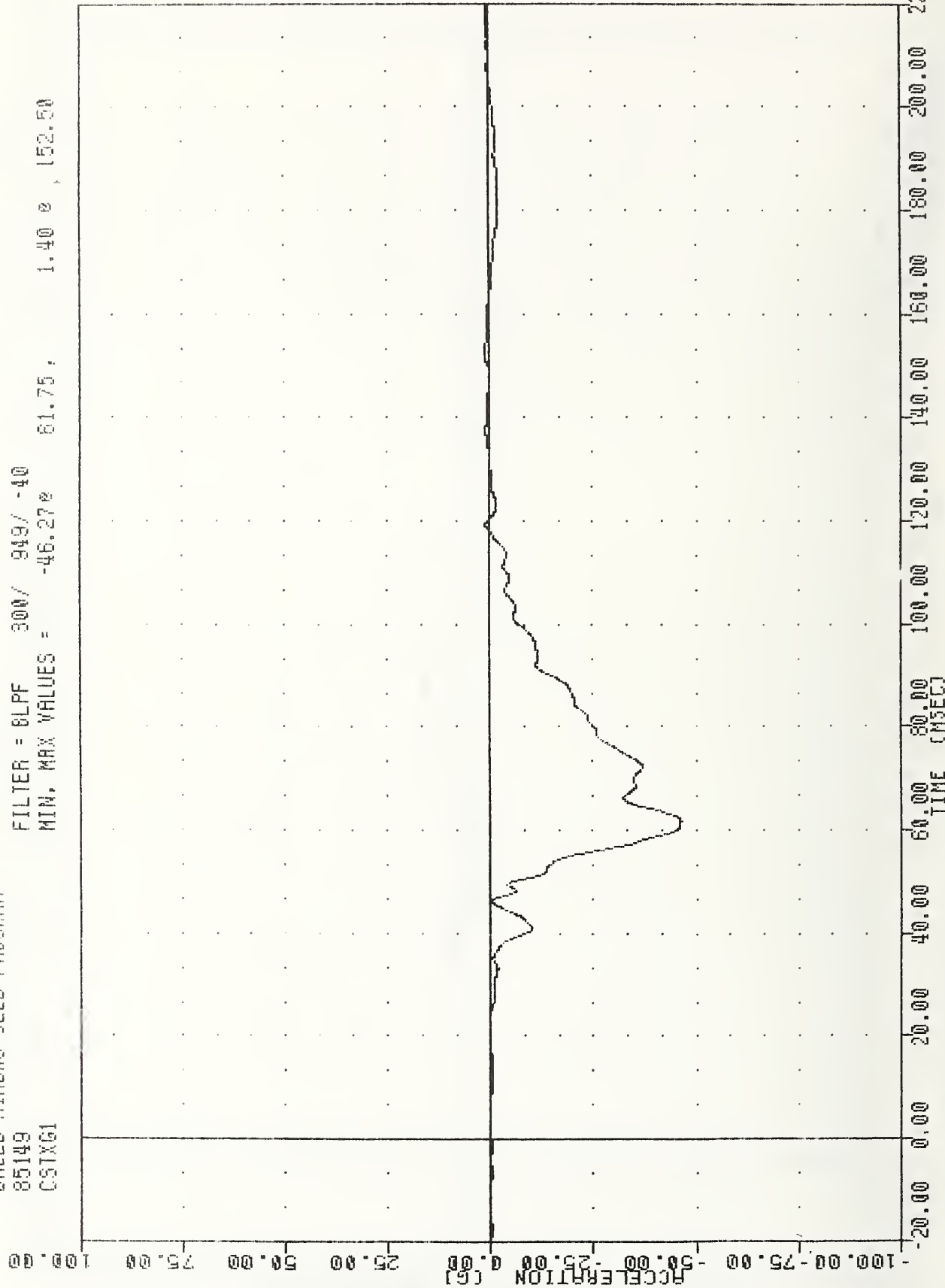
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD ACCELERATION Z AXIS

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
CSXG1

PLOT DATE 30-MAY-85 09:13:25

FILTER = 8LPF 30W/ 949/ -40

MIN. MAX VALUES = -46.27% 61.75, 1.40 e, 152.50



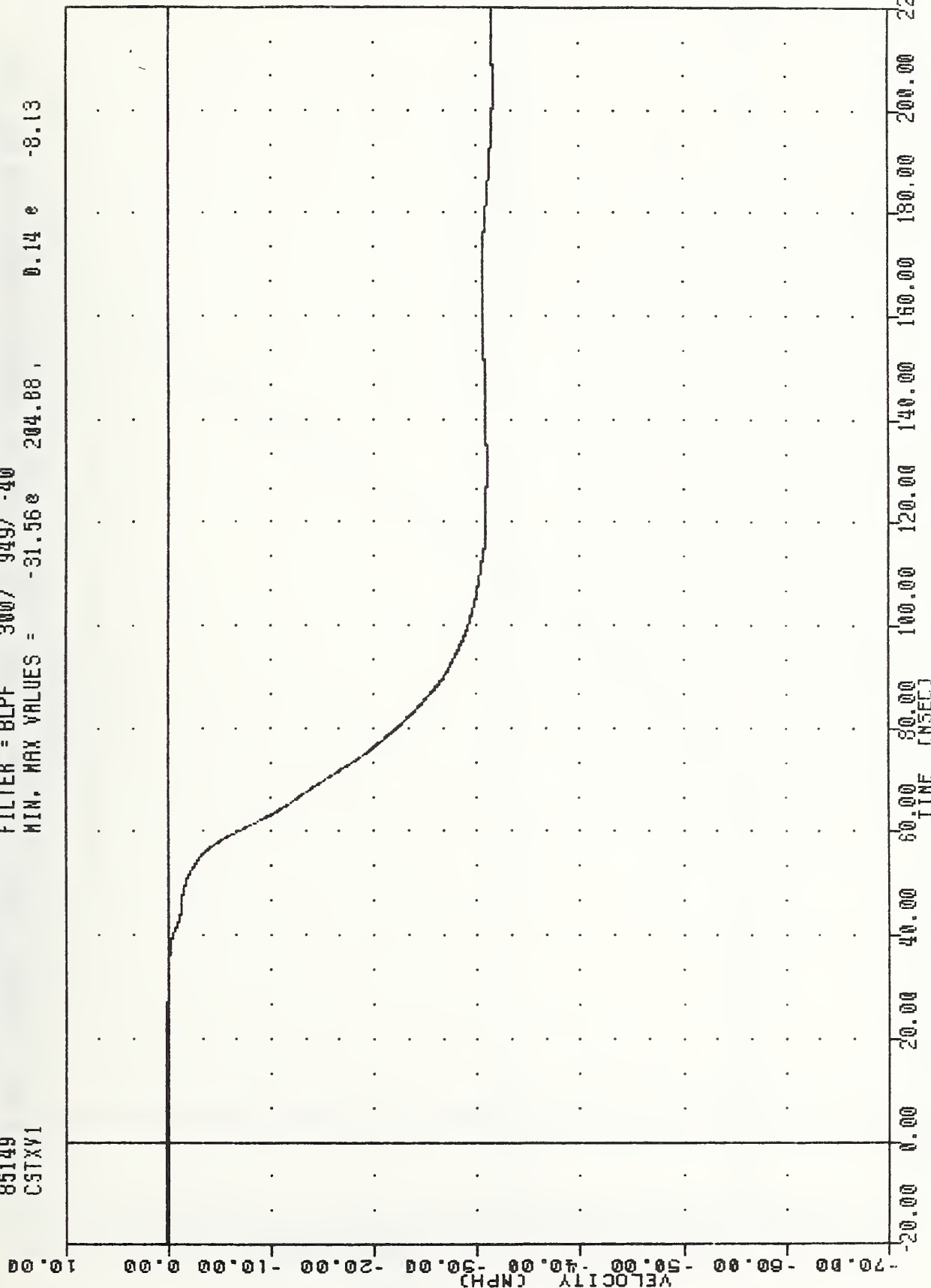
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRIC RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
CSTXV1

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -31.568 204.88 , 0.14 e -8.13



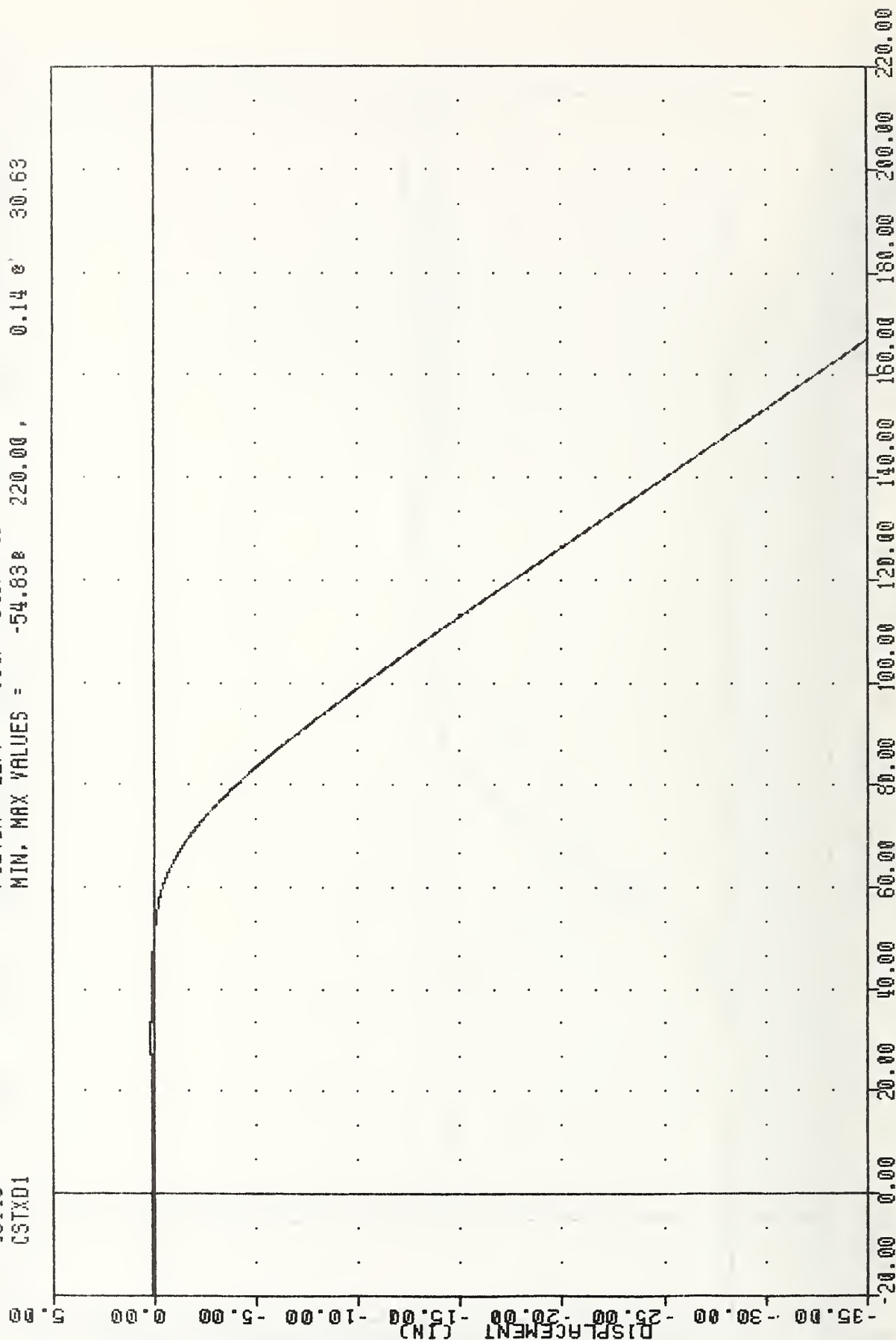
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC , R0384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 CSTXD1

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -54.83 220.00 , 0.14 30.63



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

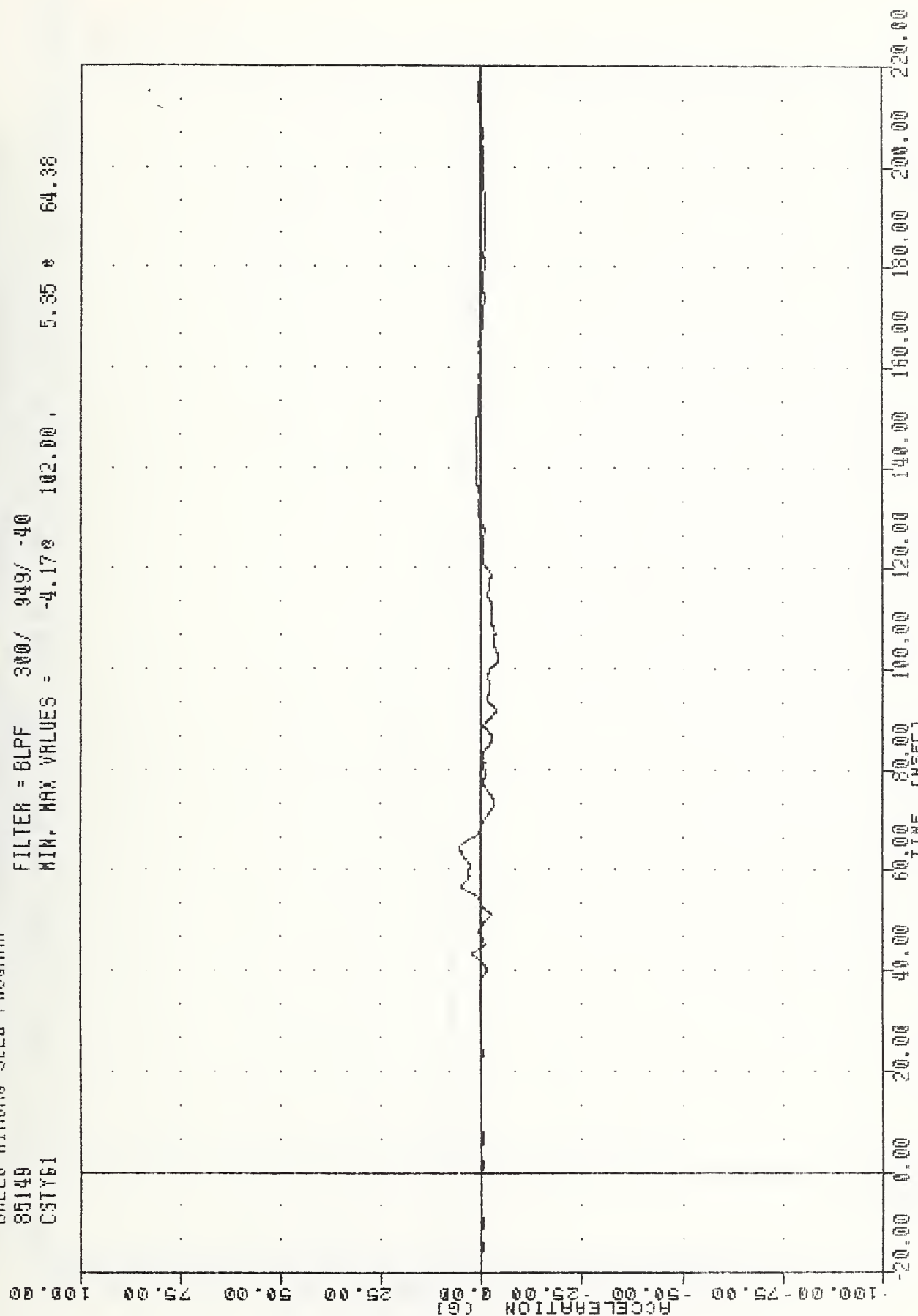
DELTA X USING CSTXV1

VRTC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 CSTY61

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -4.17e 102.00 , 5.35 e 64.38



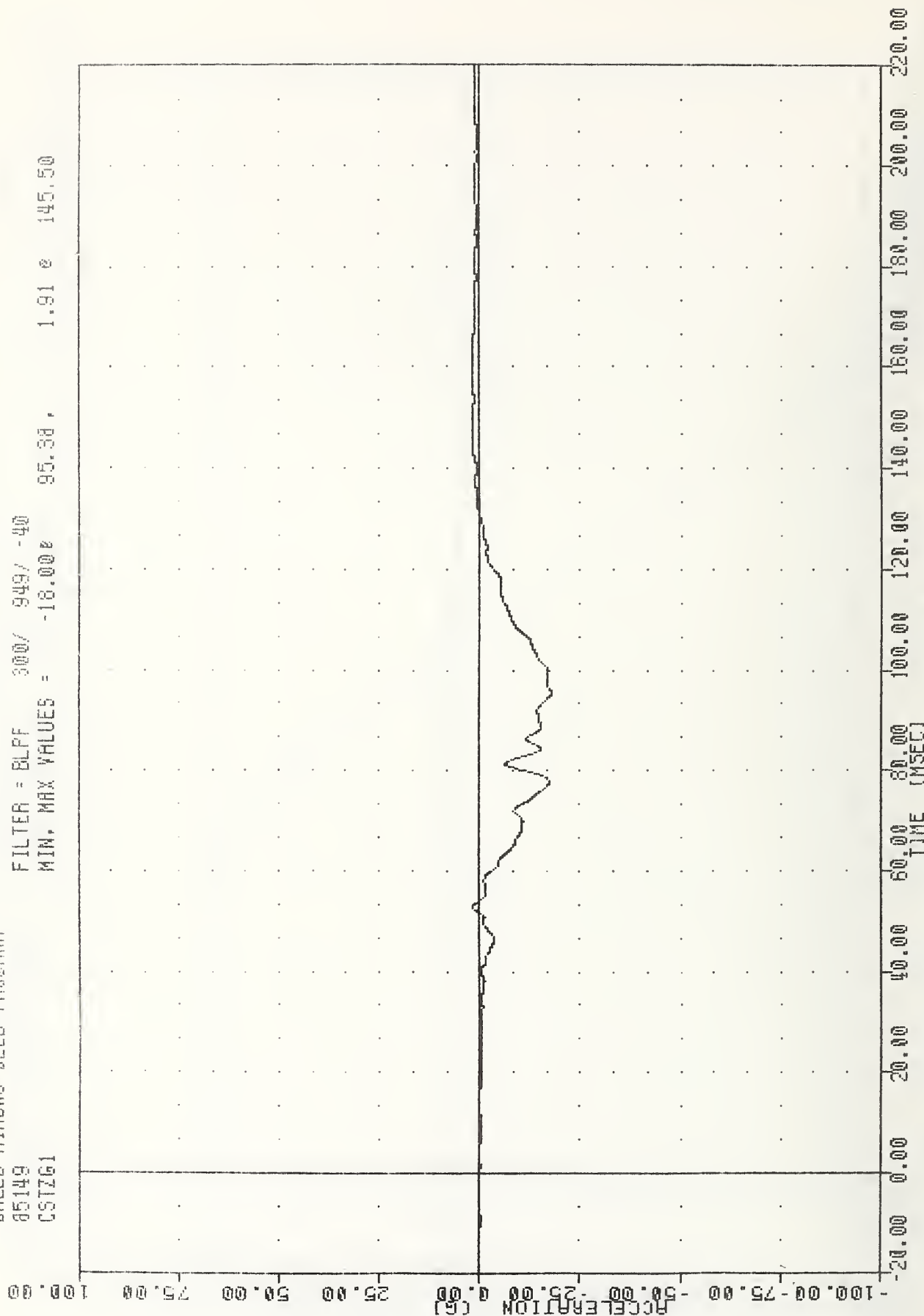
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
CS1761

PLOT DATE 20-MAY-85 09:13:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -18.000 95.38 , 1.91 145.50



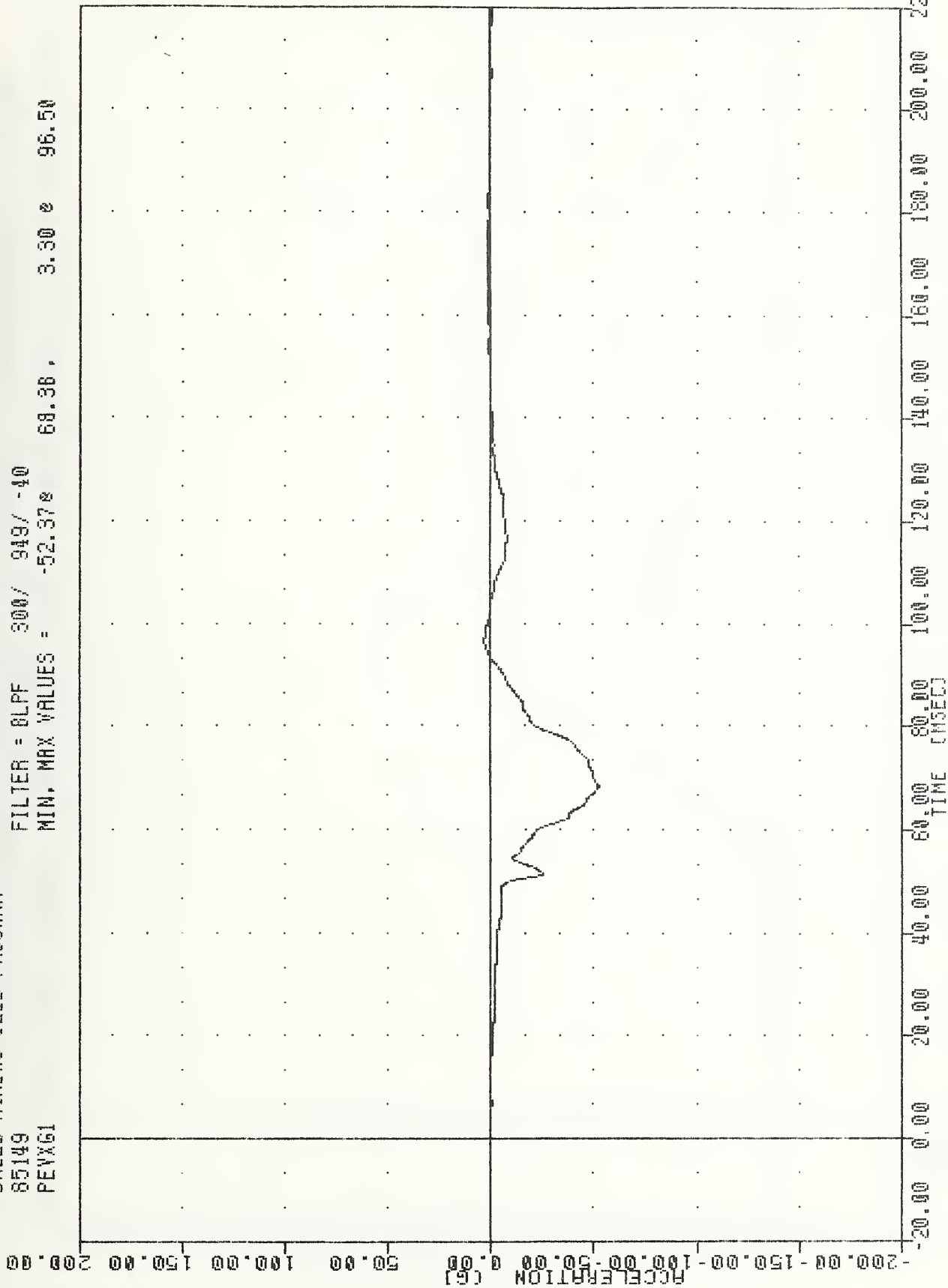
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRIC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 PEVX61

PLOT DATE 30-MAY-85 09:13:25

FILTER = 8LPP 300/ 949/ -40

MIN. MAX VALUES = -52.37g 68.38g 3.30g 96.50

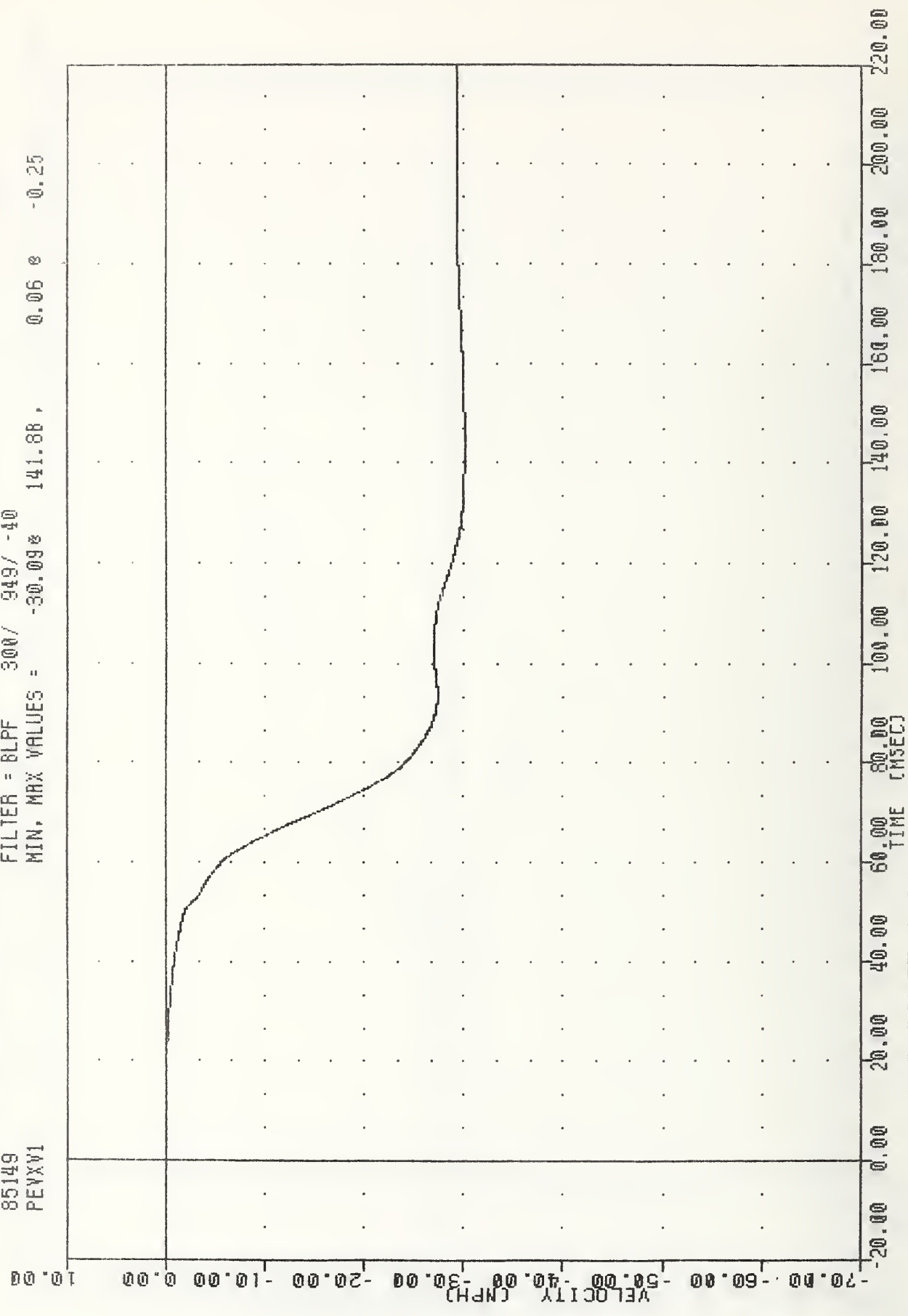


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD304-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 PEVXV1

PLOT DATE 19-JUN-85 14:37:11

FILTER = 8LPF 300/ 949/ -40
 MIN. MAX VALUES = -30.09 141.88 , 0.06 s -0.25



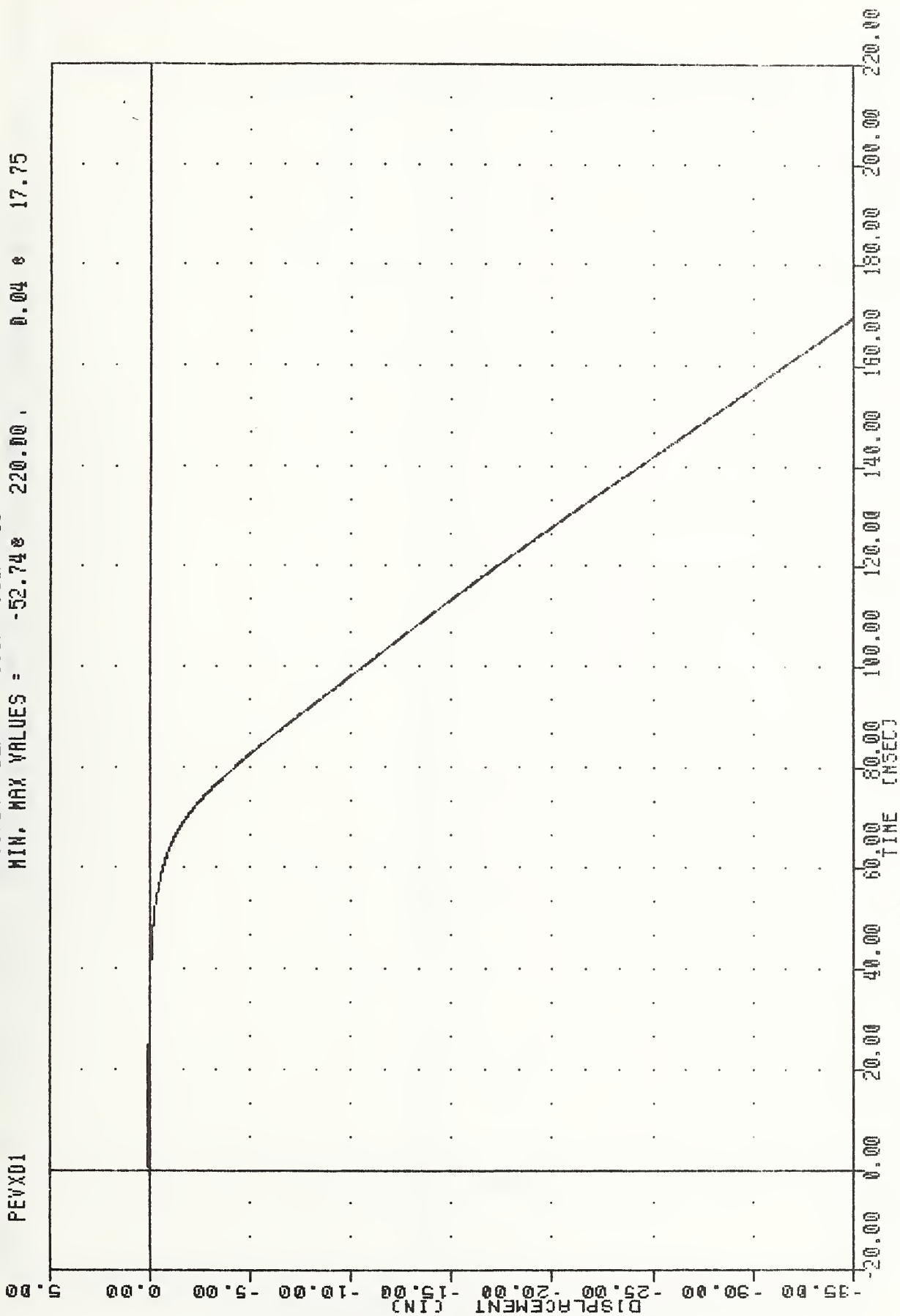
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DELTA V USING PEVXG1

VRTC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 PEVX01

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -52.74 e 220.00 , 0.04 e 17.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DELTA X USING PEVXV1

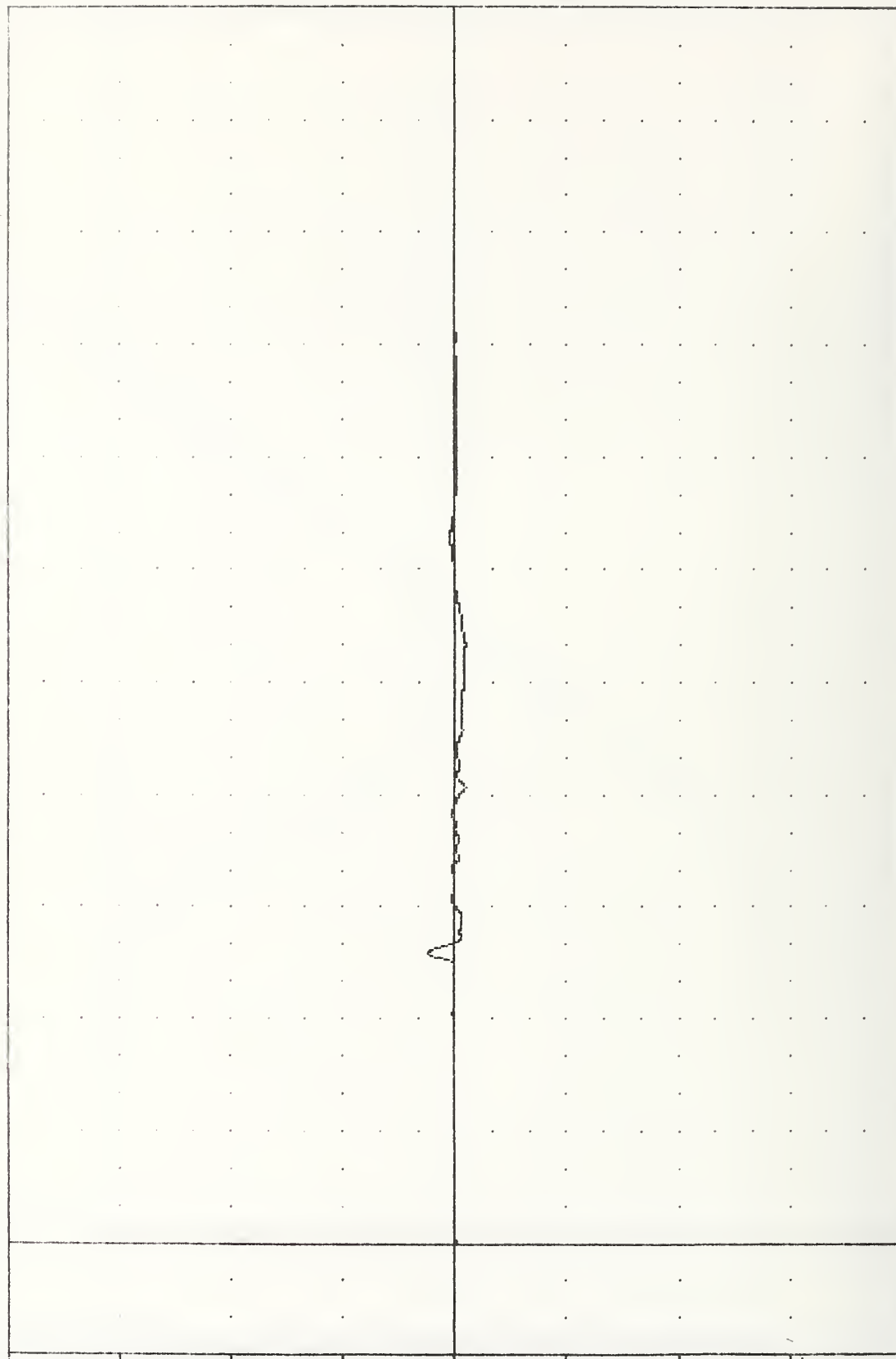
VRTC , R0304-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 PEVY61

PLOT DATE 30-MAY-87 09:13:25

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -4.58e 81.38, 11.73 e 51.88

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 - 90 MPH - 5TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Y AXIS

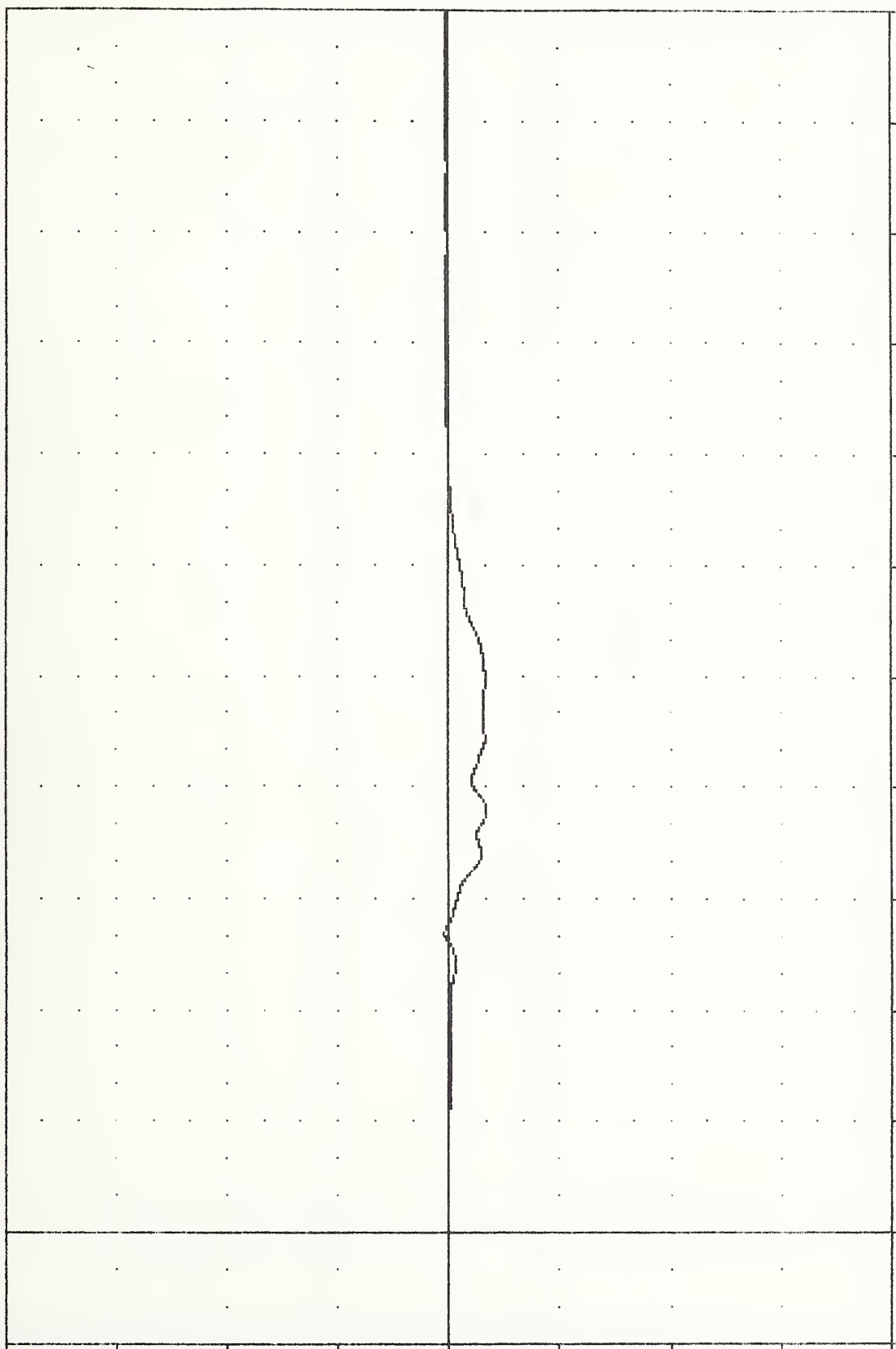
VRIC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 PEVZG1

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -17.17% 75.75, 2.07 @ 53.63

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 - 30 MPH - 5TH PERCENTILE DUMMY
 DRIVER PELVIS ACCELERATION Z AXIS

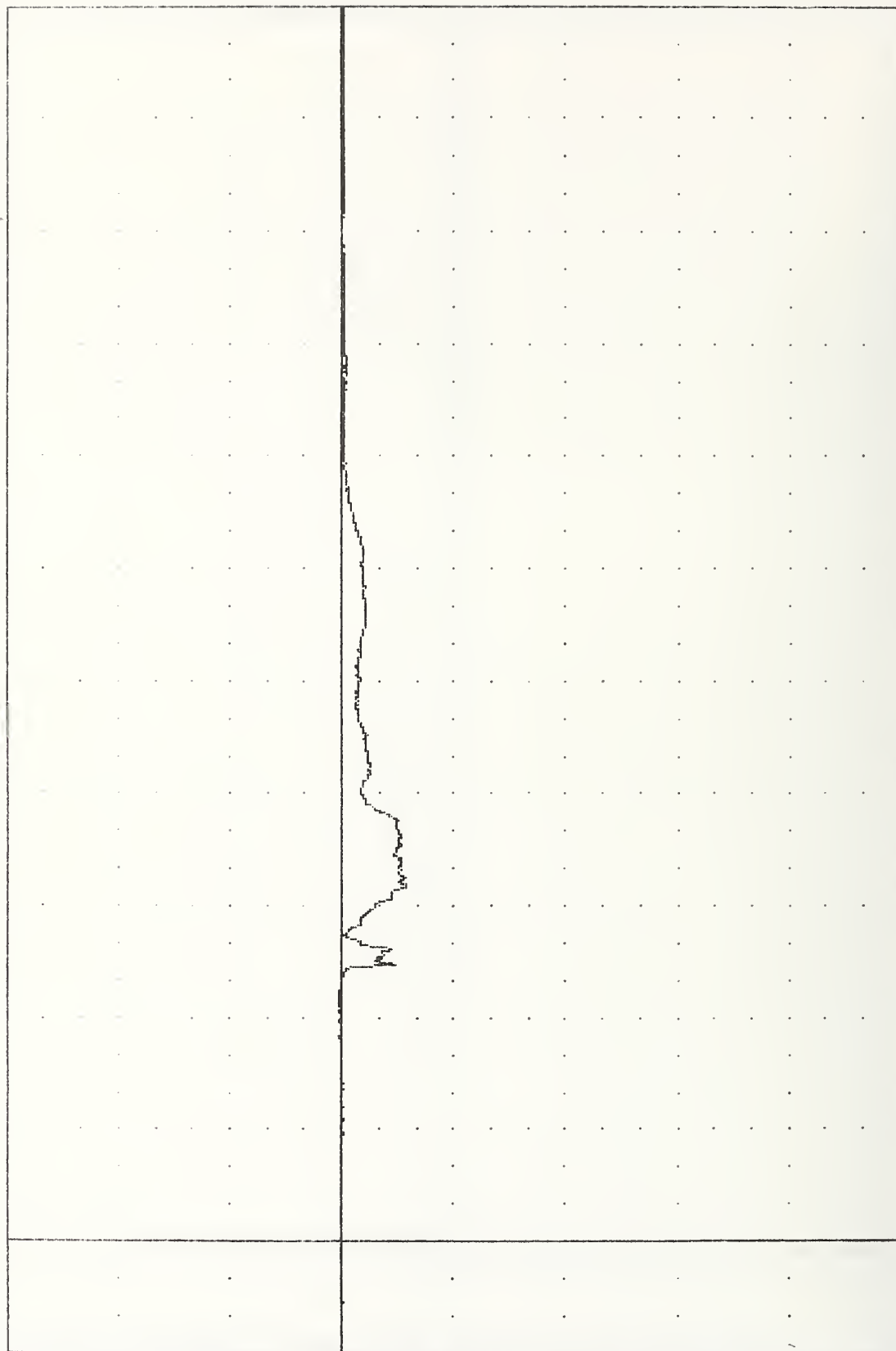
VRTC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 LFMF1

PLOT DATE 30-MAY-65 09:13:25

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -346.21e 63.63, 12.13 e 43.75

FORCE (LB)
 (X10³)



-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 - 5TH PERCENTILE DUMMY
 DRIVER LEFT FEMUR FORCE

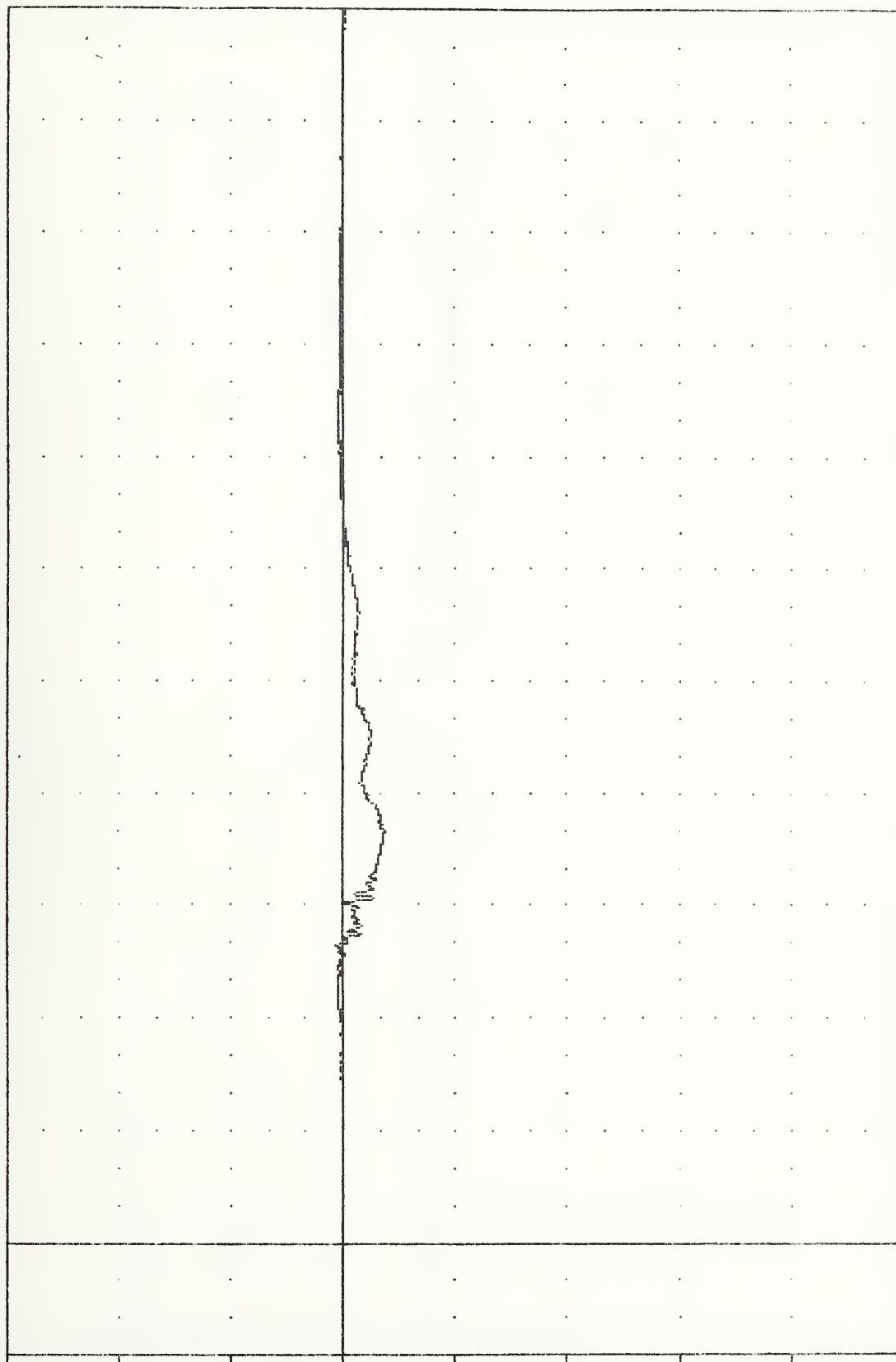
VRTC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 RFMF1

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -229.75 73.25 33.66 52.63

300.00
 240.00
 180.00
 120.00
 60.00
 0.00
 -60.00
 -120.00
 -180.00
 -240.00
 -300.00



-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

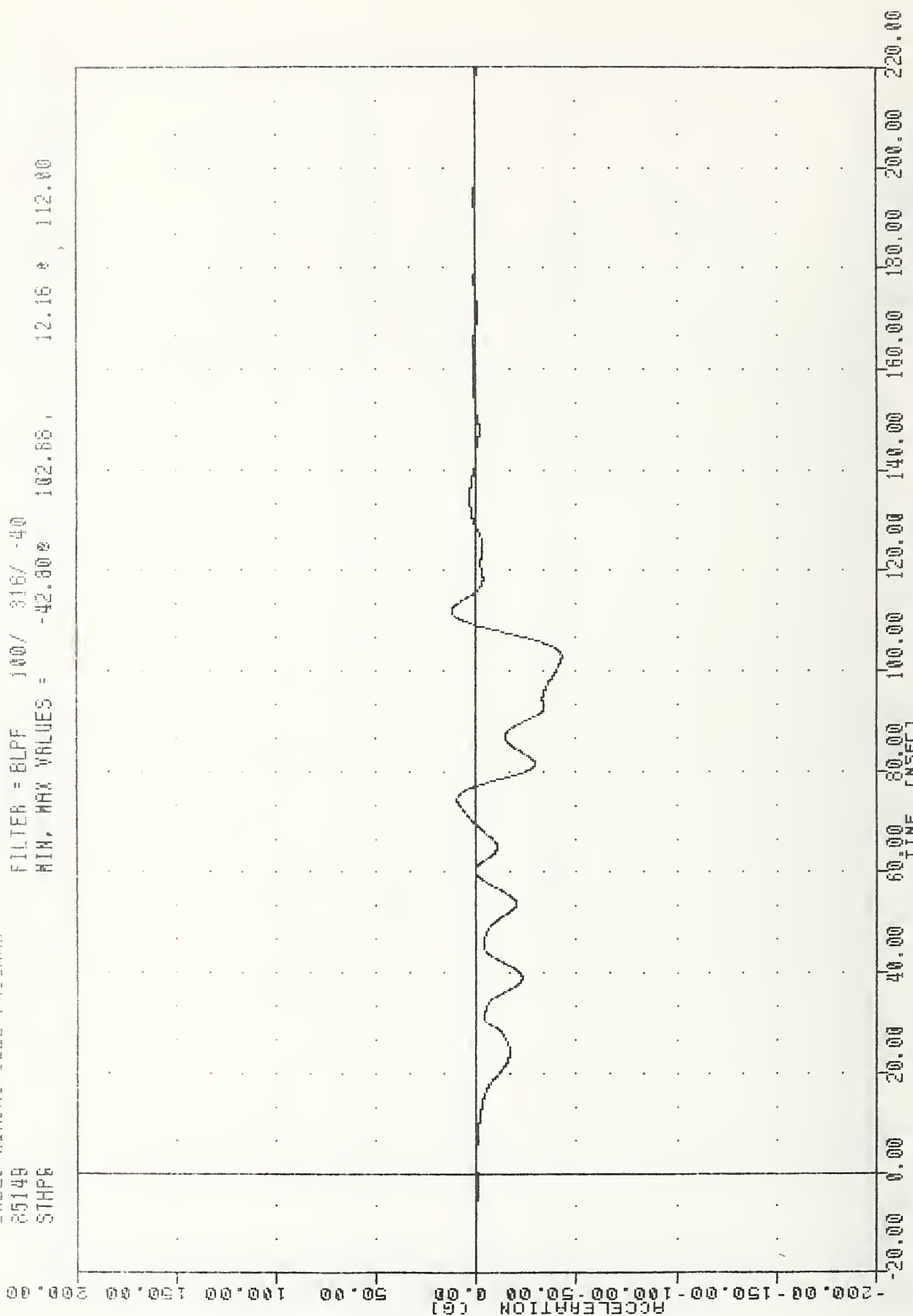
DRIVER RIGHT FEMUR FORCE

VRTC , R0004-4-41
 BREED AIRSAG SLED PROGRAM
 25149
 STHP8

PLOT DATE 30-MAY-66 09:13:28

FILTER = BLPF 100/ 316/ -40

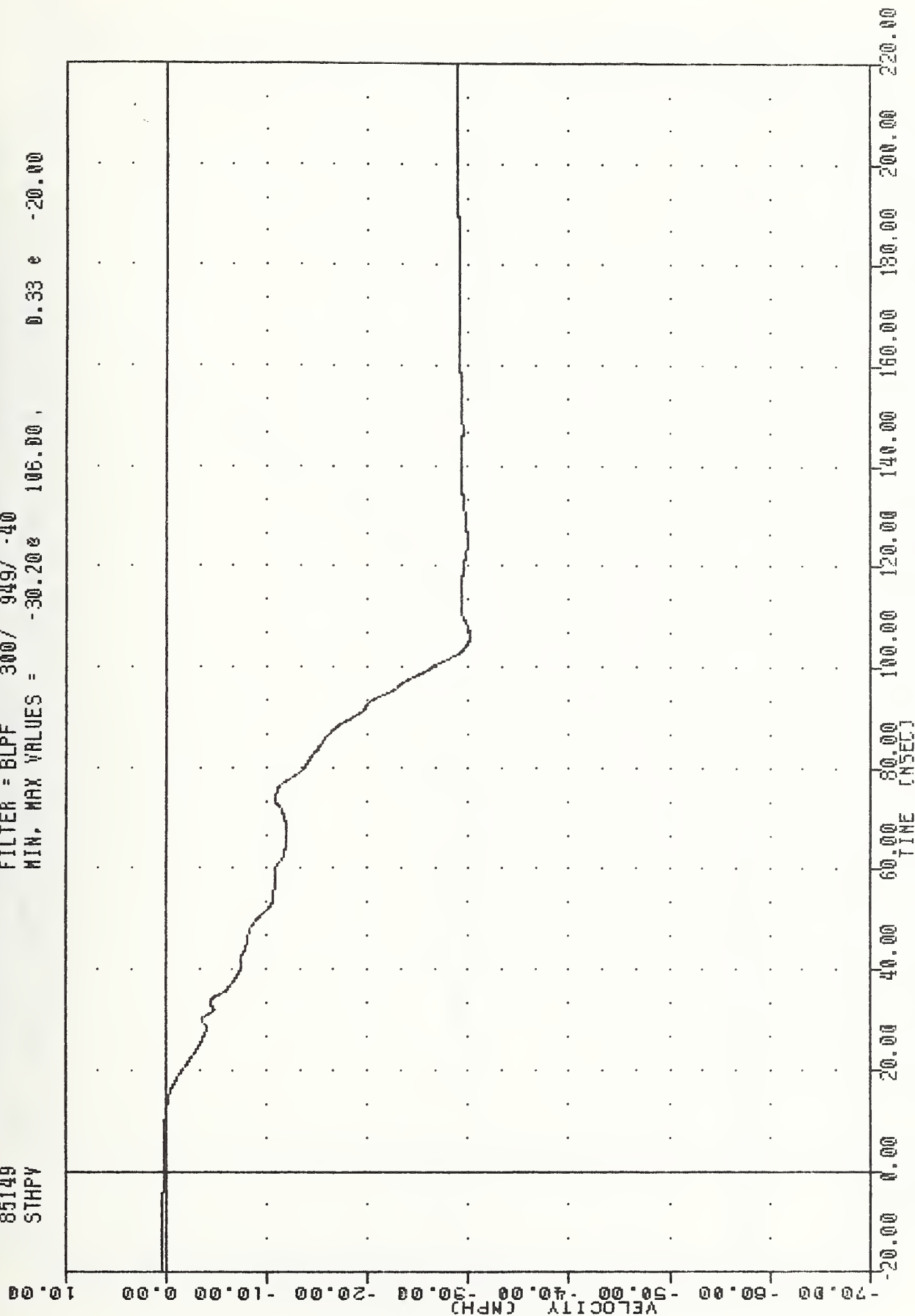
MIN, MAX VALUES = -42.80 102.88 , 12.16 112.80



VRTC
BREED AIRBAG SLED PROGRAM
85149
STHPV

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -30.20 106.00 0.33 e -20.00



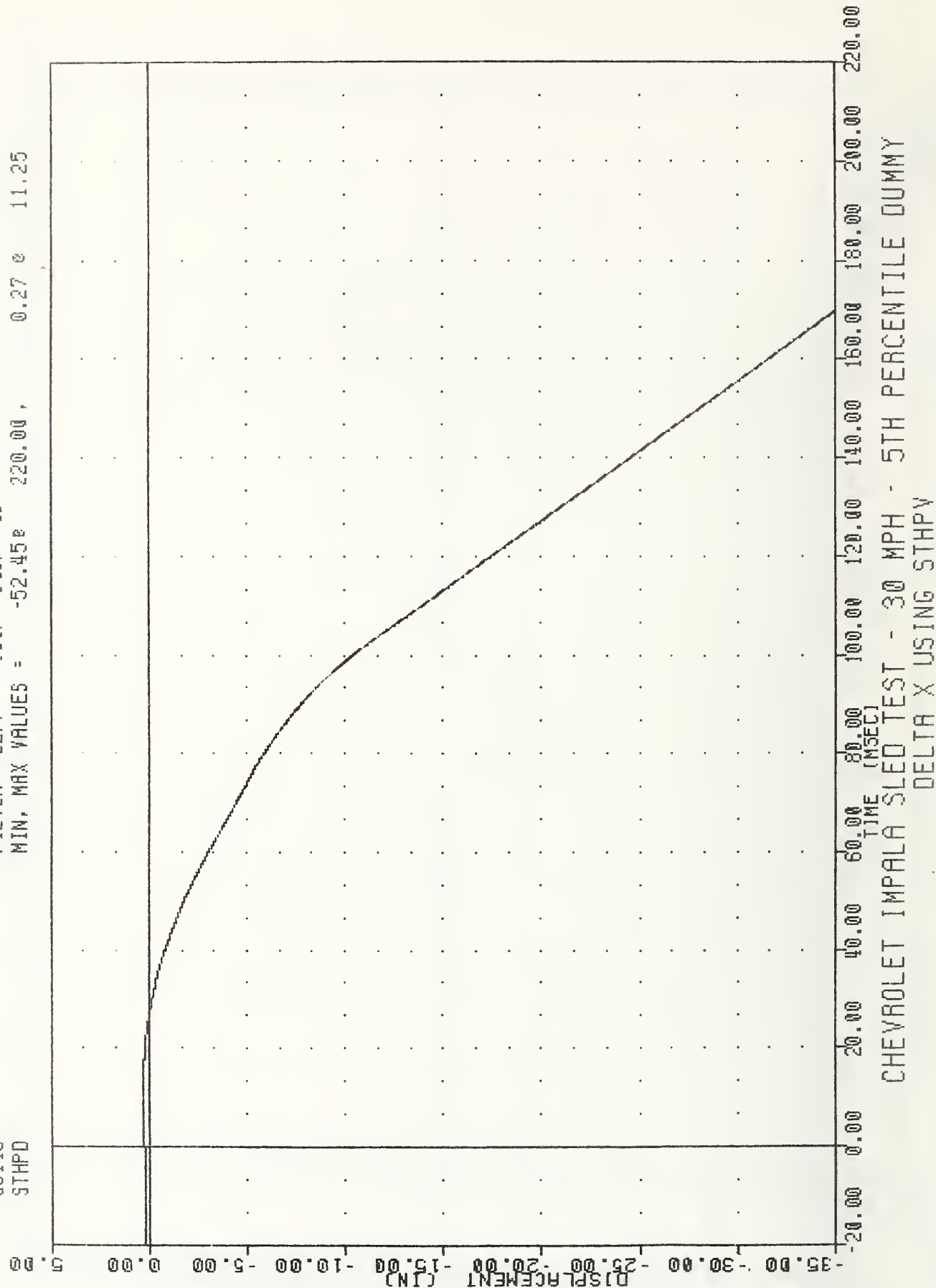
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DELTA V USING STHPG

VRTC , R0384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 STHPD

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -52.45e 220.00, 0.27 e 11.25



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

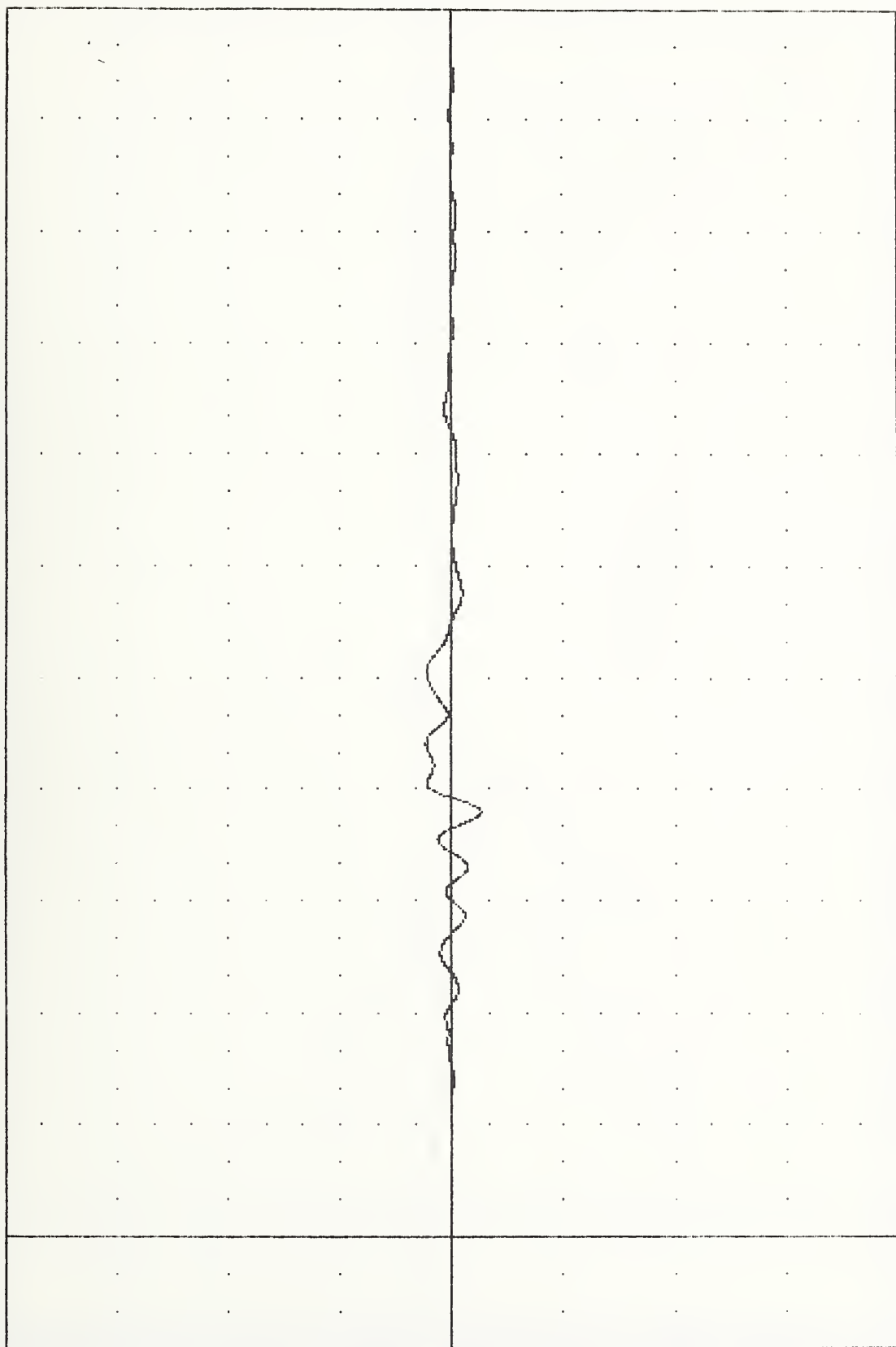
VRIC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 STHLG

PLOT DATE 30-MAY-85 09:13:25

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -13.07g 75.88, 11.43 g 88.13

ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION M-L AXIS

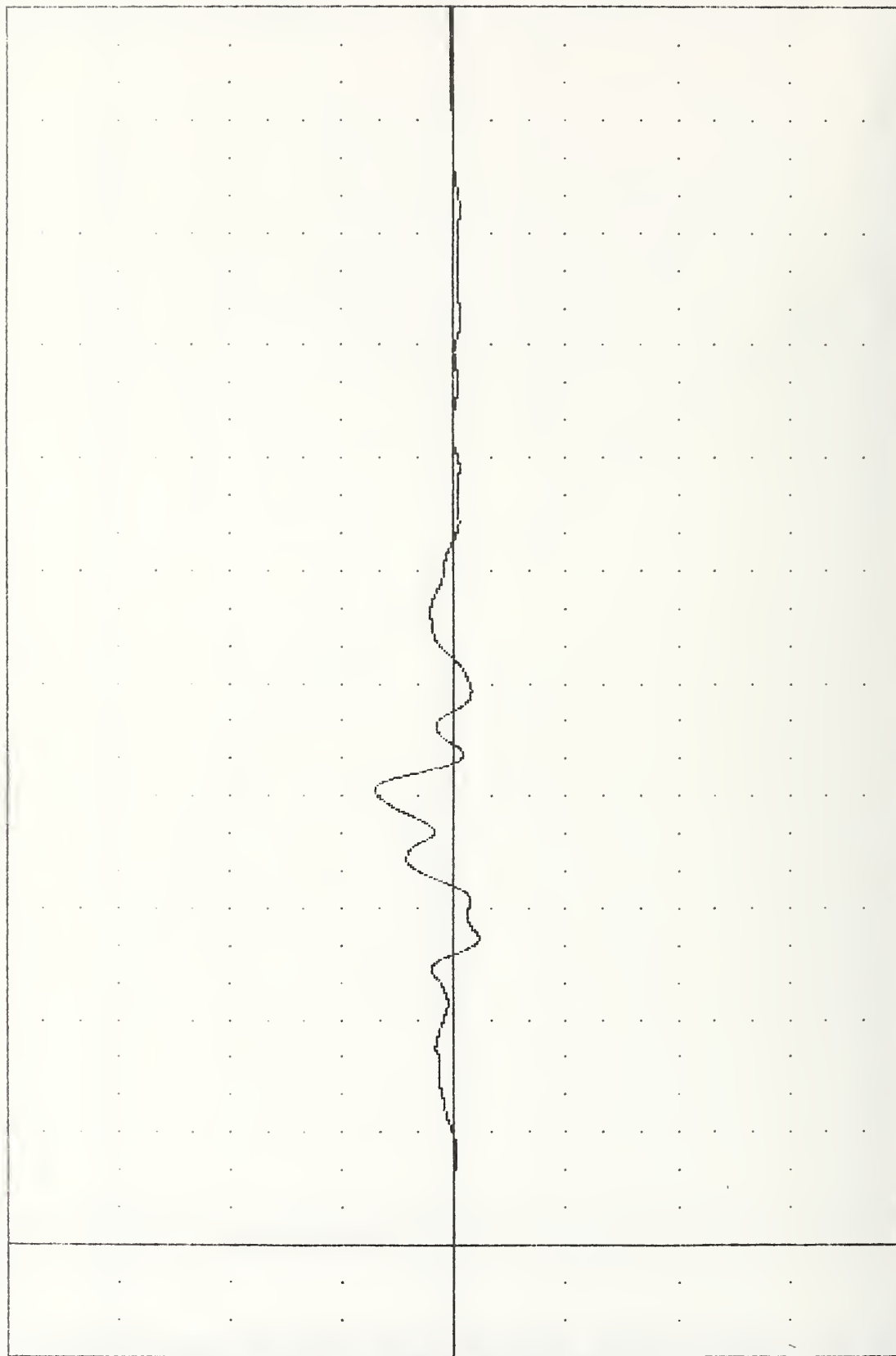
VRTC
BREED AIRBAG SLED PROGRAM
85149
5THIG

PLOT DATE 30 MAY 85 09:13:25

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -11.02e 54.50 , 35.52 e, 81.00

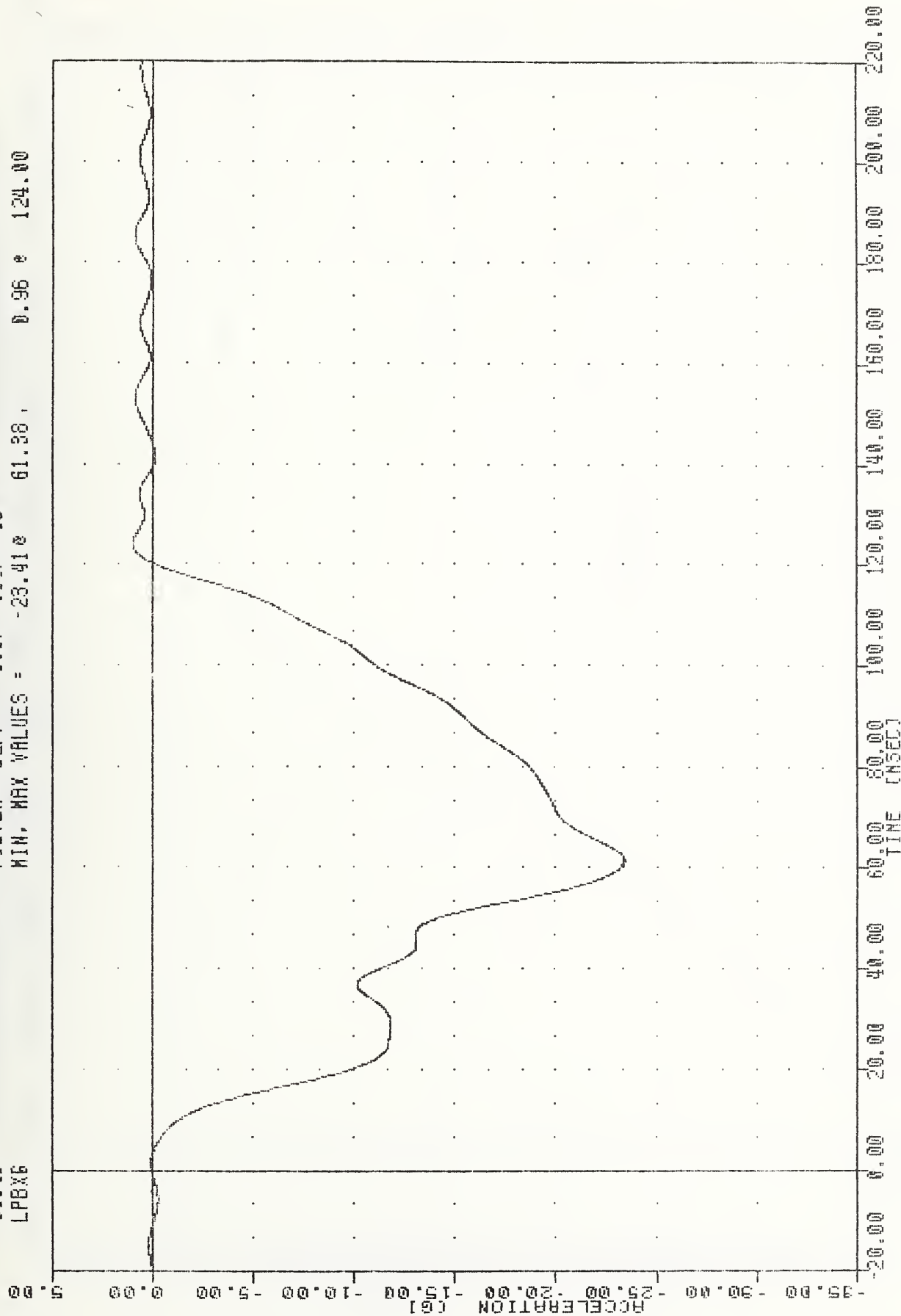
ACCELERATION (G)



TIME (MSEC)

CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC , RD384-4-41 PLOT DATE 30-MAY-85 09:13:25
 BREED AIRBAG SLED PROGRAM
 85149
 LPBX6
 FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = -23.41g 61.38 , 0.96 * 124.00



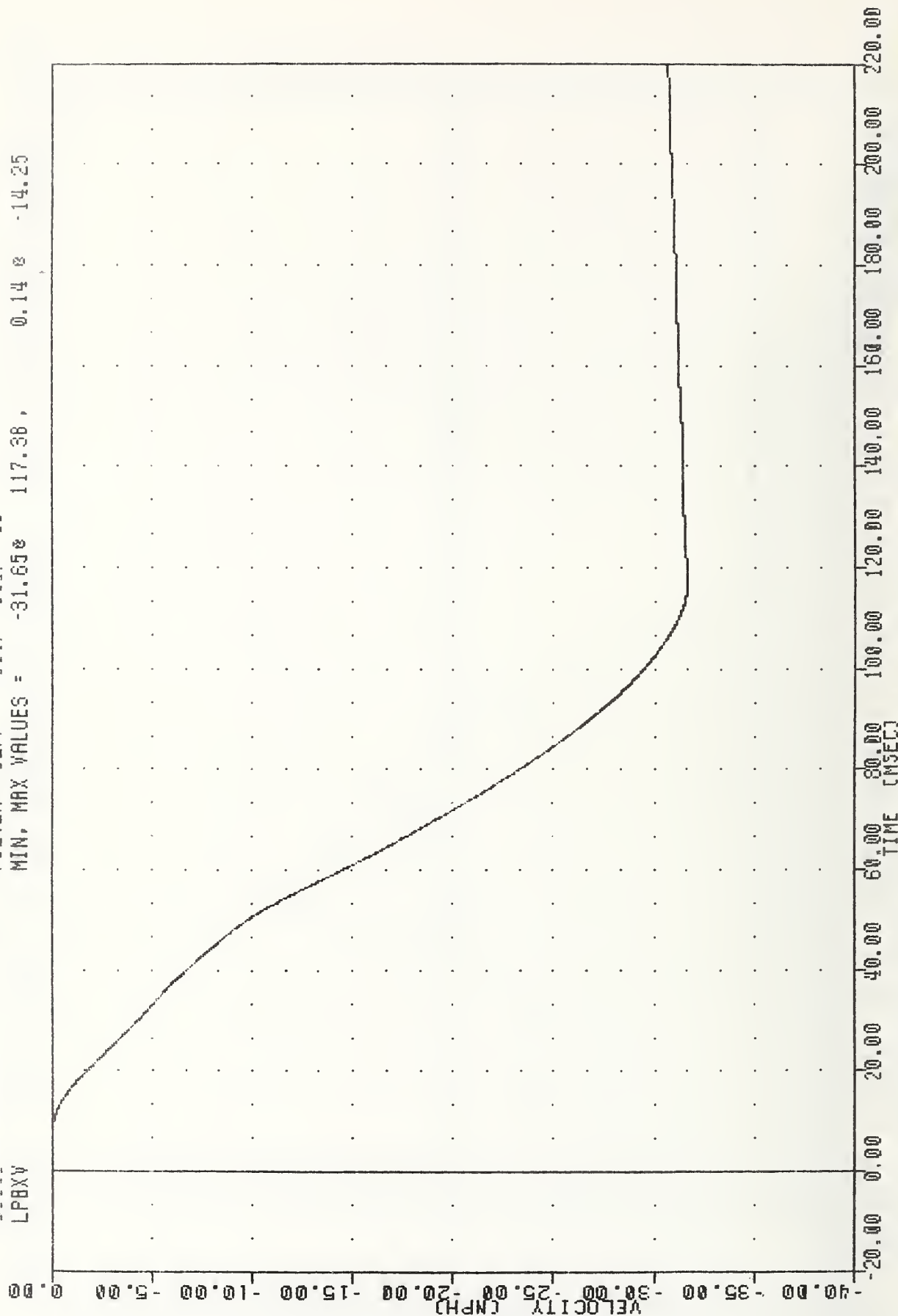
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 PILLAR LEFT B ACCELERATION X AXIS

VRIC , PD304-4-41
BREED AIRBAG SLED PROGRAM
85149
LPBXV

PLOT DATE 19-JUN-85 14:37:11

FILTER = 8LFF 300/ 949/ -40

MIN, MAX VALUES = -31.65 117.38, 0.14 14.25



564

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

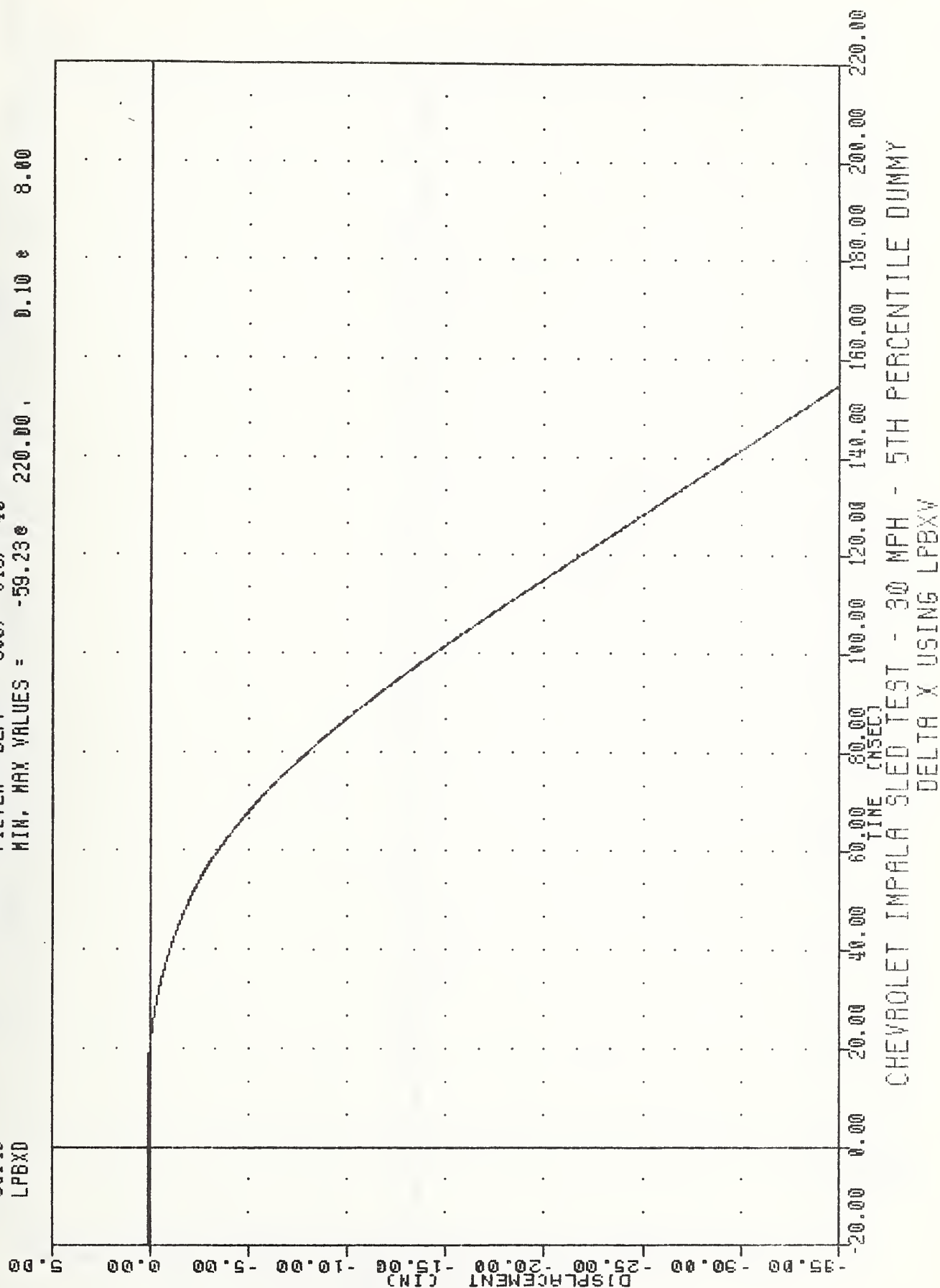
DELTA V USING LPBXG

VATC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 LPBXD

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -59.23e 220.00 , 0.10 e 8.00

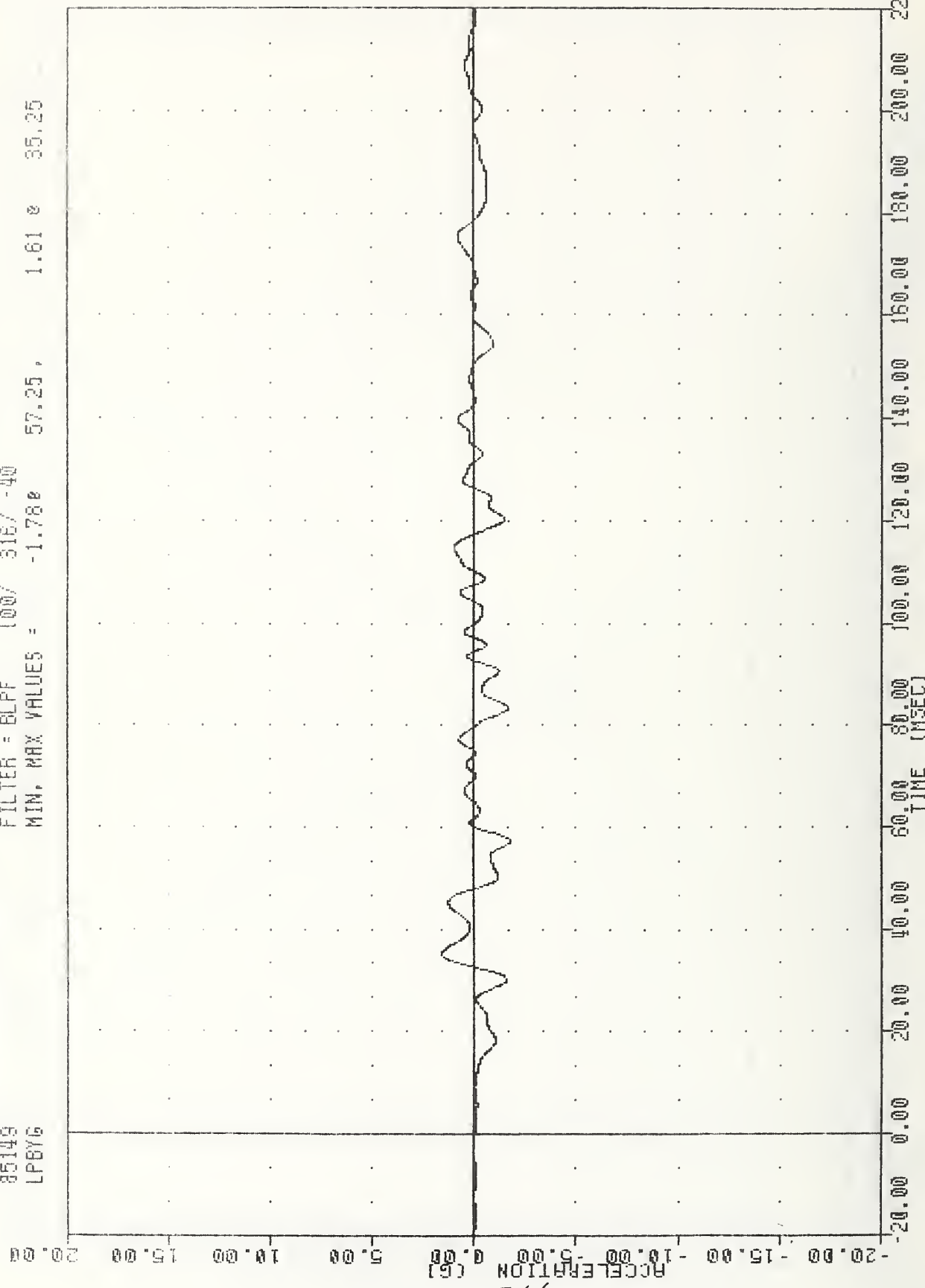


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DELTA X USING LPBXW

VRATC
BREED AIRBAG SLED PROGRAM
85149
LPBYG

PLOT DATE 30-MAY-82 08:13:25

FILTER = BLPF 100/ 318/ -40
MIN. MAX VALUES = -1.78e 57.25, 1.61e 35.25



566

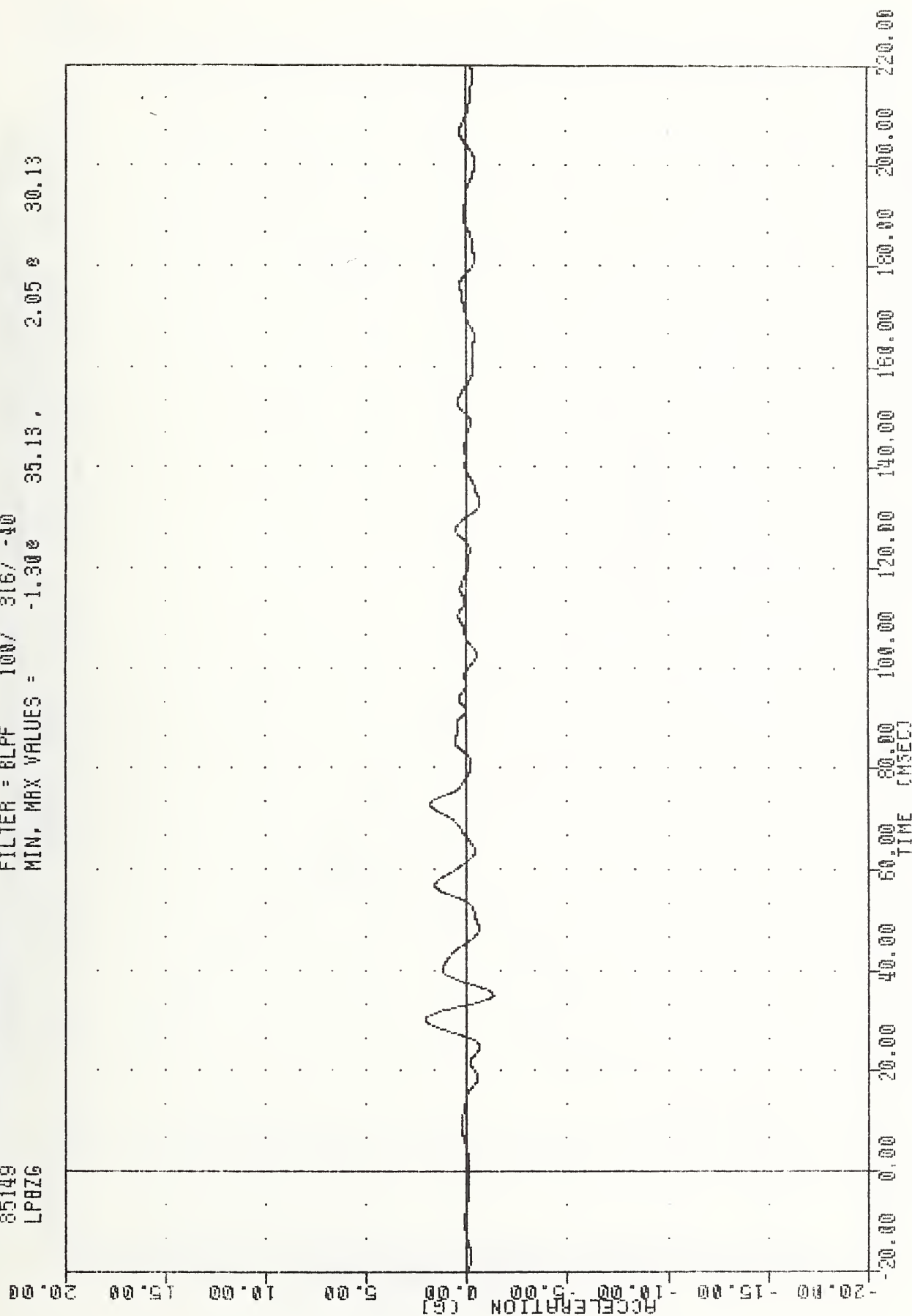
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
LP876

PLOT DATE 30-MAY-85 09:13:25

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.30e 35.13, 2.05 e 30.13

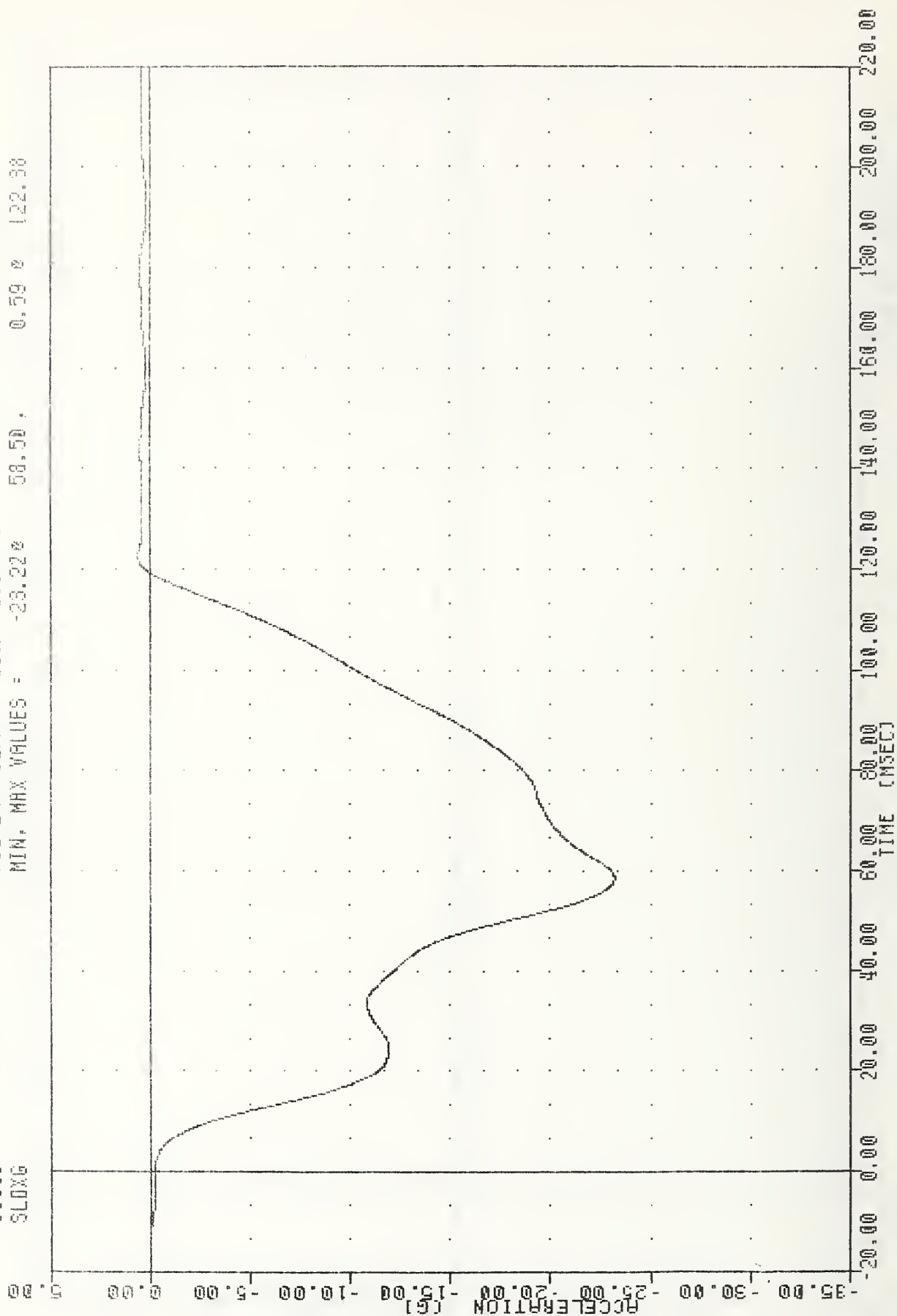


VRIC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 SLOXG

PLUT DATE 30-MAY-85 09:13:25

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -23.220 58.50, 0.59 0 122.38



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

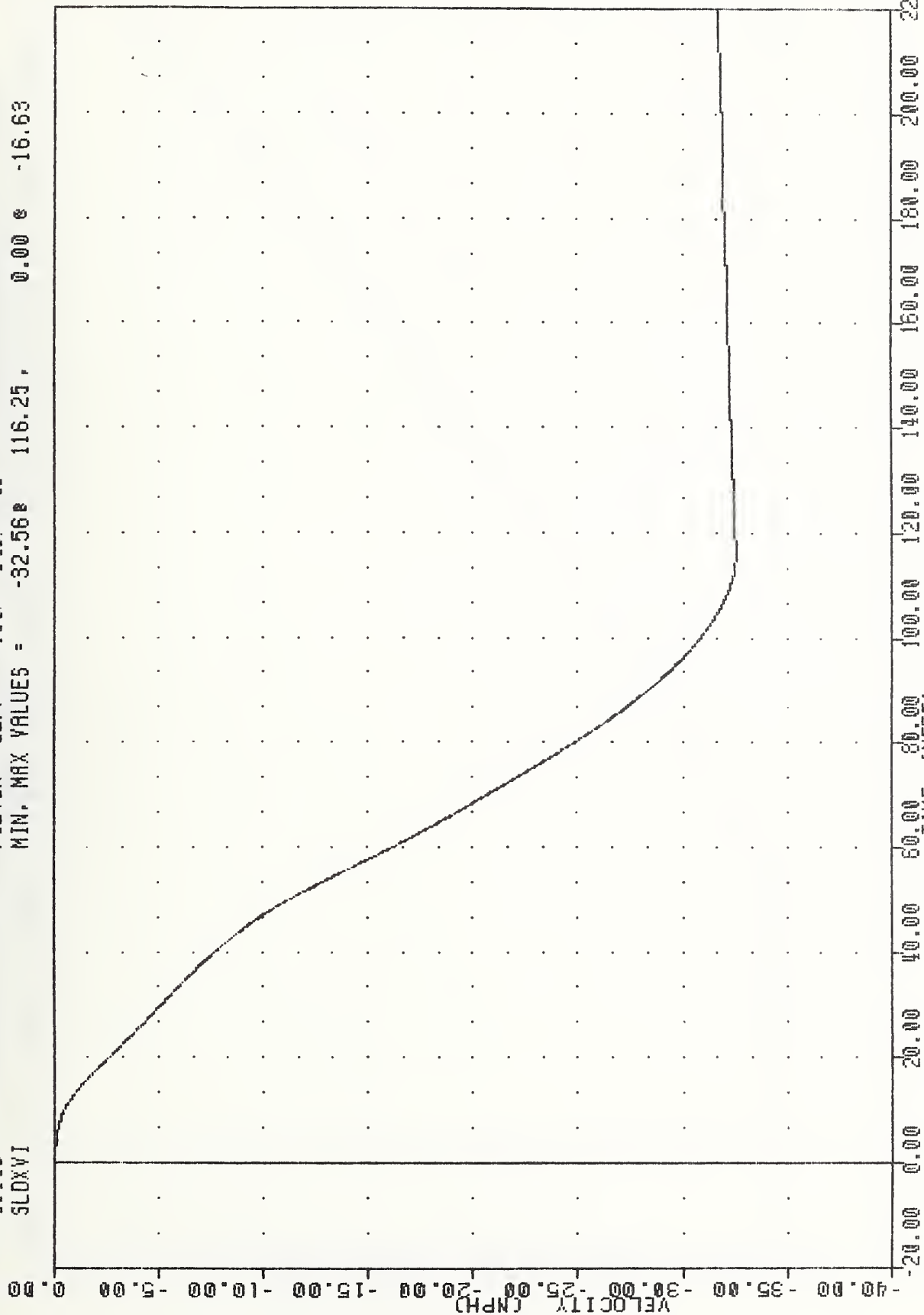
VRTC , R0384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 SLDXVI

PLOT DATE 19-JUN-85 14:37:11

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -32.56 116.25, 0.00 0.00

-16.63



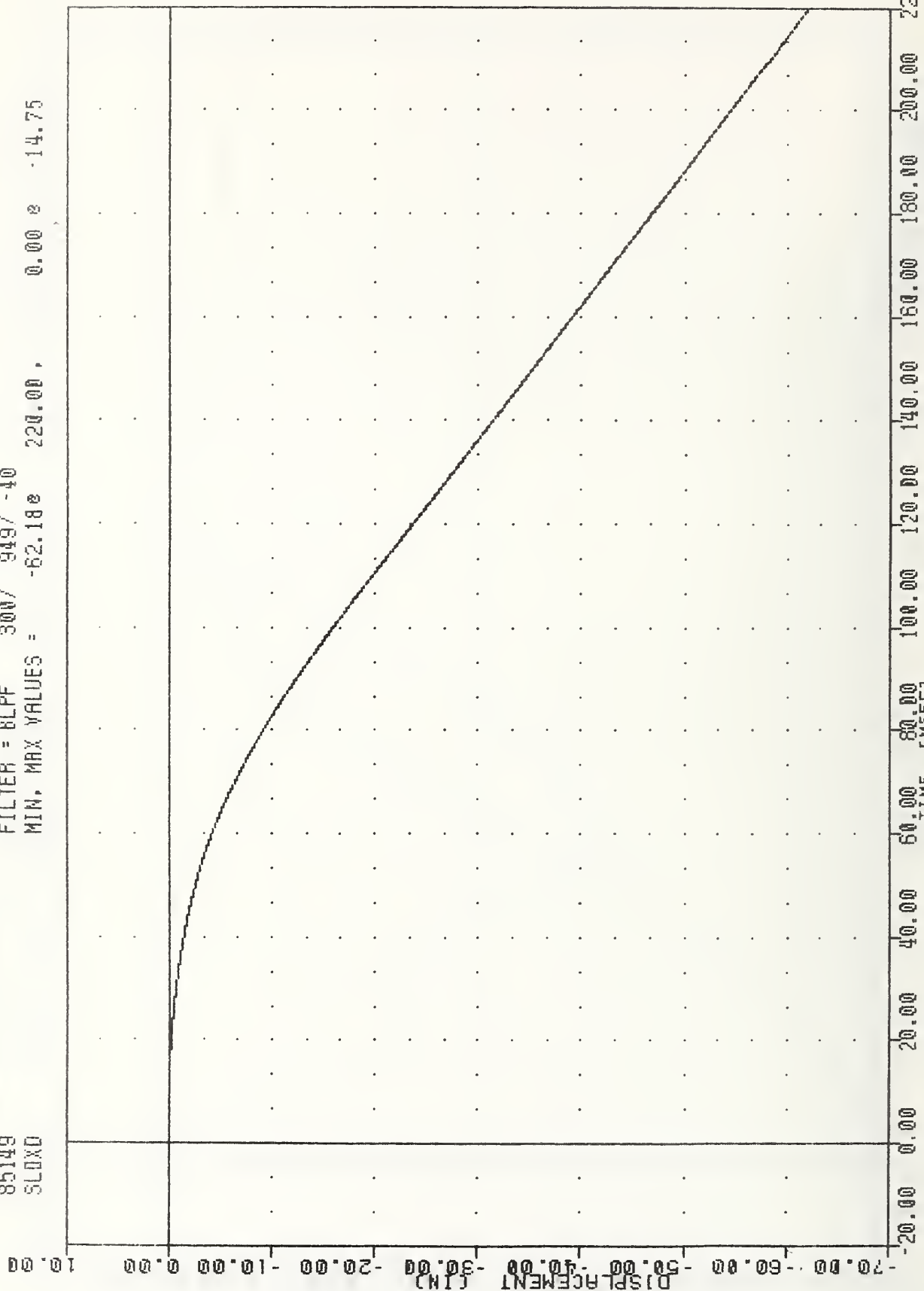
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 SLED VELOCITY (INTEGRATED)

VRIC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 SLOXD

PLOT DATE 18-JUN-85 14:37:11

FILTER = 6LPF 300/ 949/ -40

MIN. MAX VALUES = -62.18e 220.00, 0.00 e -14.75

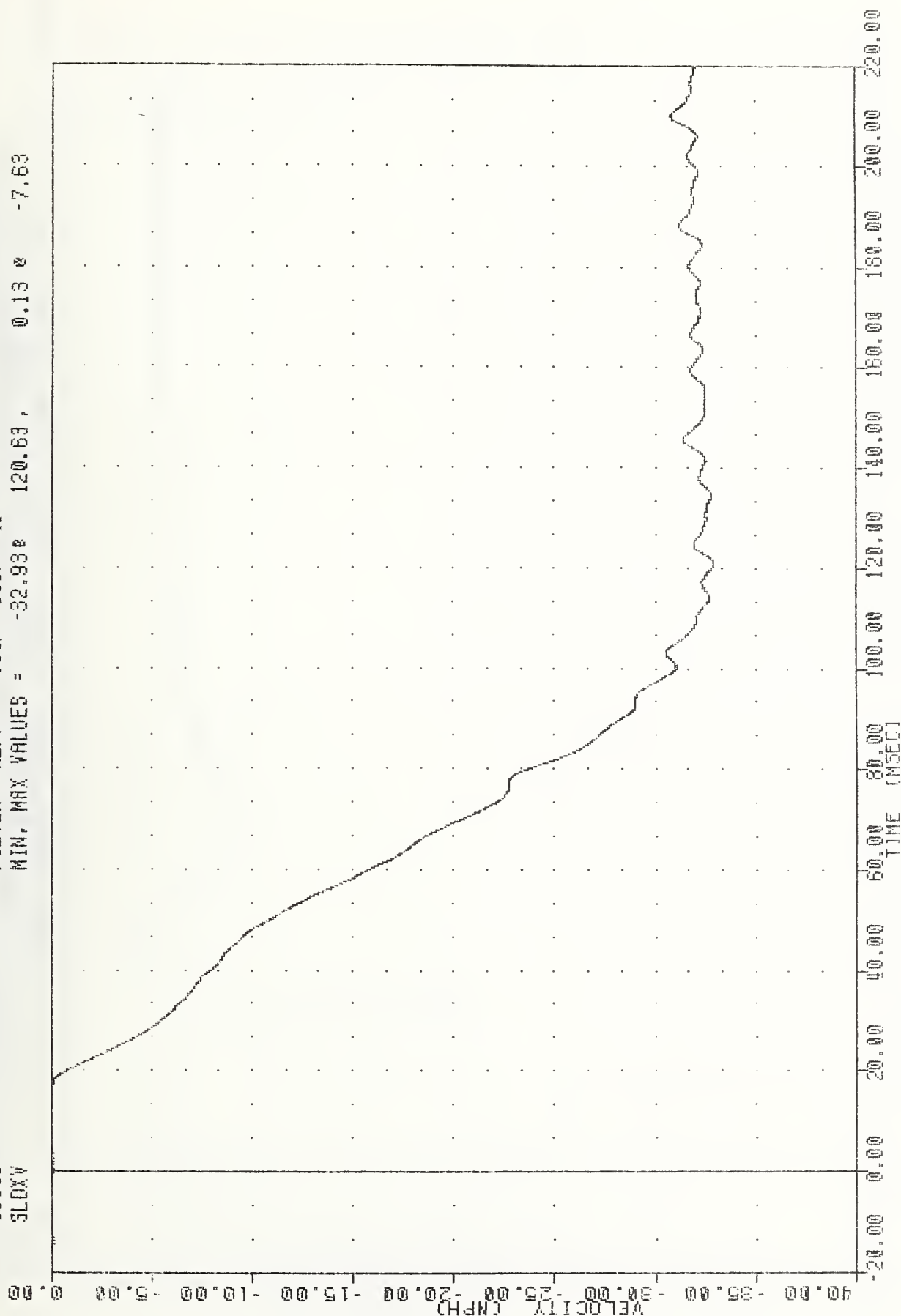


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
SLOWV

PLOT DATE 30-MAY-85 09:13:25

FILTER = ALPF 100/ 316/ -40
MIN, MAX VALUES = -32.93e 120.63, 0.13 e -7.63



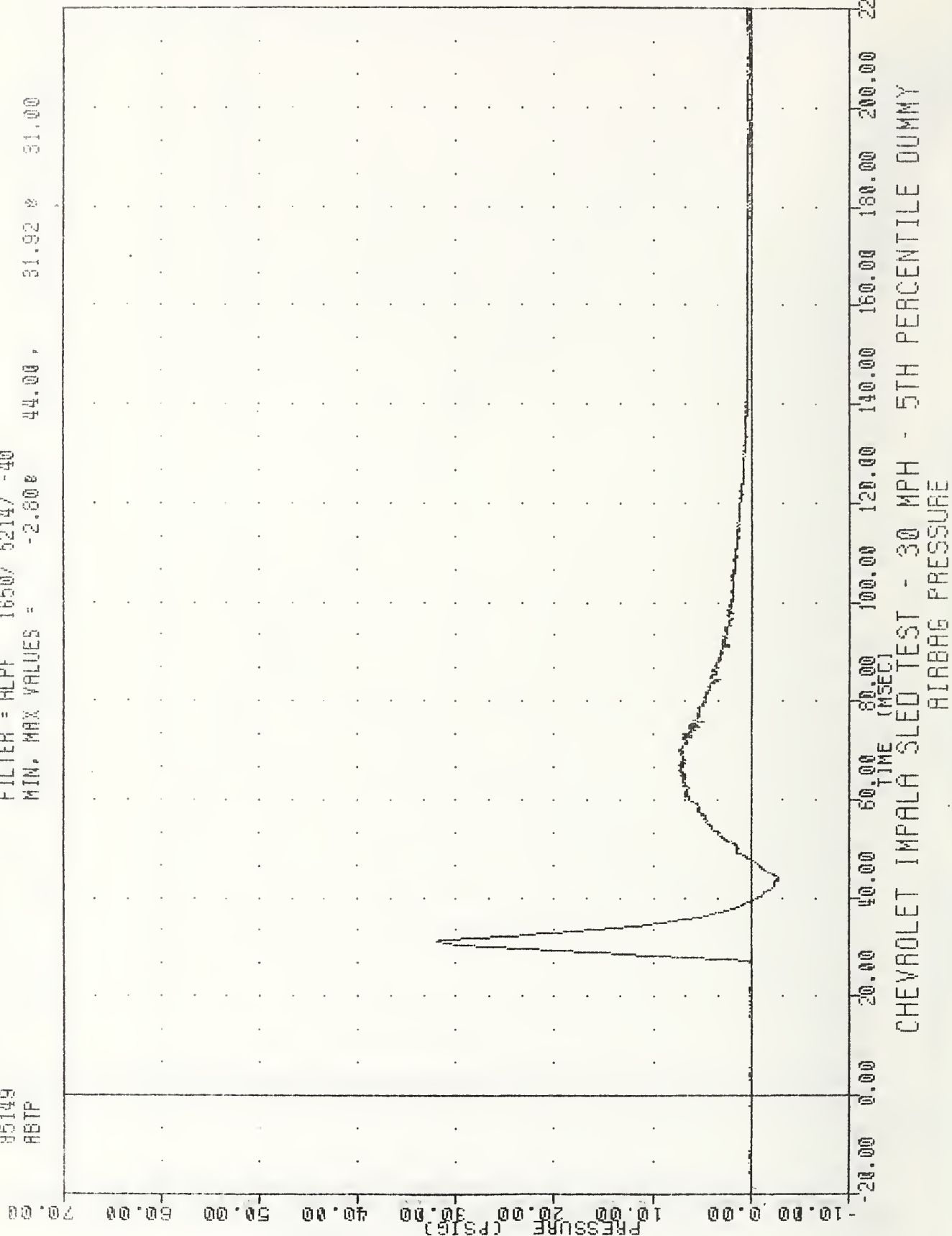
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRIC , R0384-4-41
BREED AIRBAG SLED PROGRAM
85149
ABTP

PLOT DATE 30-MAY-85 09:13:25

FILTER = RLPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.800 44.00, 31.92, 31.00

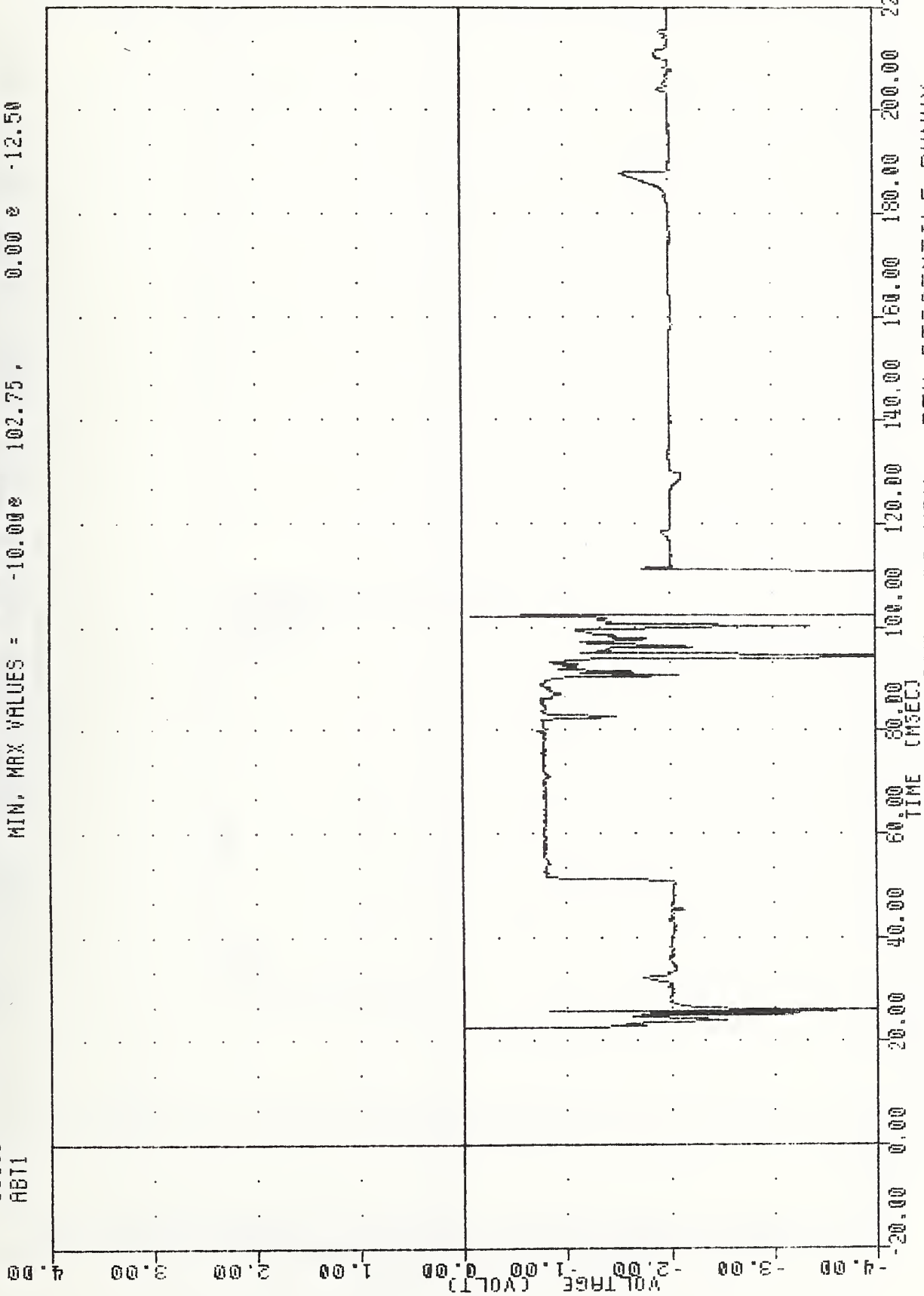


CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
AIRBAG PRESSURE

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
ABT1

PLOT DATE 30-MAY-85 09:13:25

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -10.00e 102.75, 0.00 e -12.50



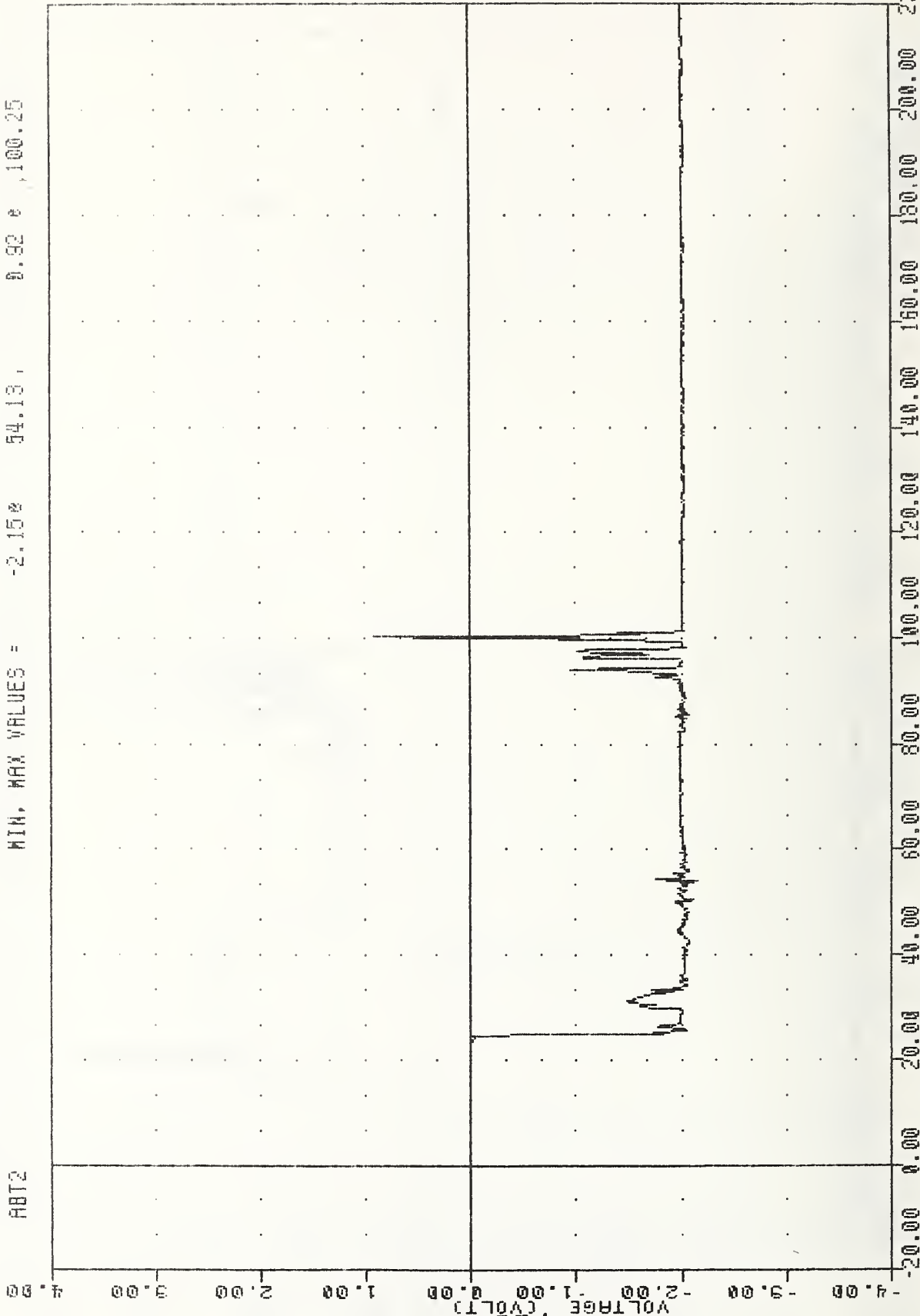
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

VRIC , RD384-4-1)
BREED AIRBAG SLED PROGRAM
85149
ABT2

PLOT DATE 30-MAY-85 09:13:25

FILTER = RLFF 1650/ 5214/ -40

MIN. MAX VALUES = -2.15 54.13 , 0.92 100.25



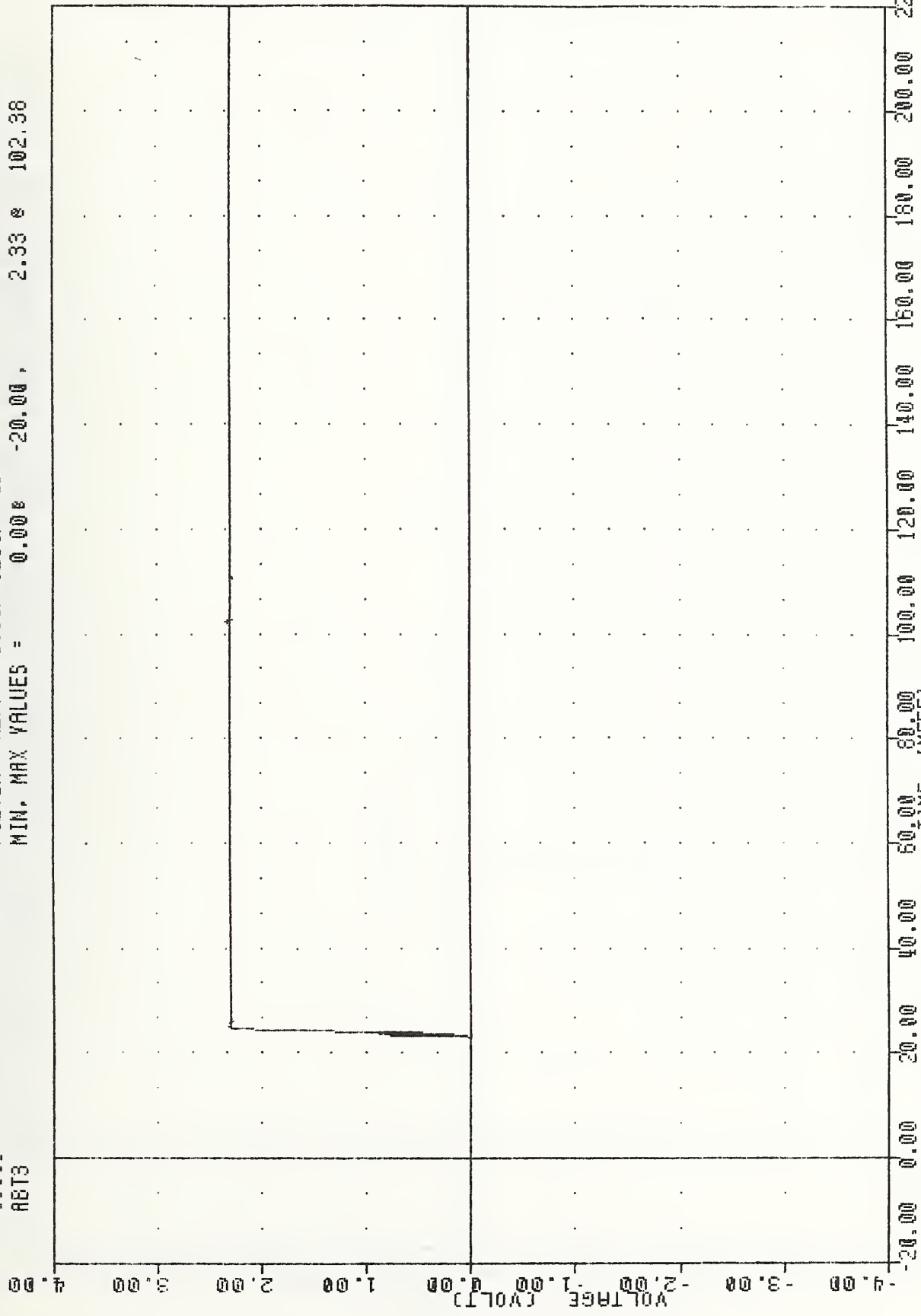
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
SENSOR BURNWIRE 2

VRTC , R0380-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 ABT3

PLOT DATE 30-MAY-85 09:13:25

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.000 -20.00 , 2.33 0 102.38



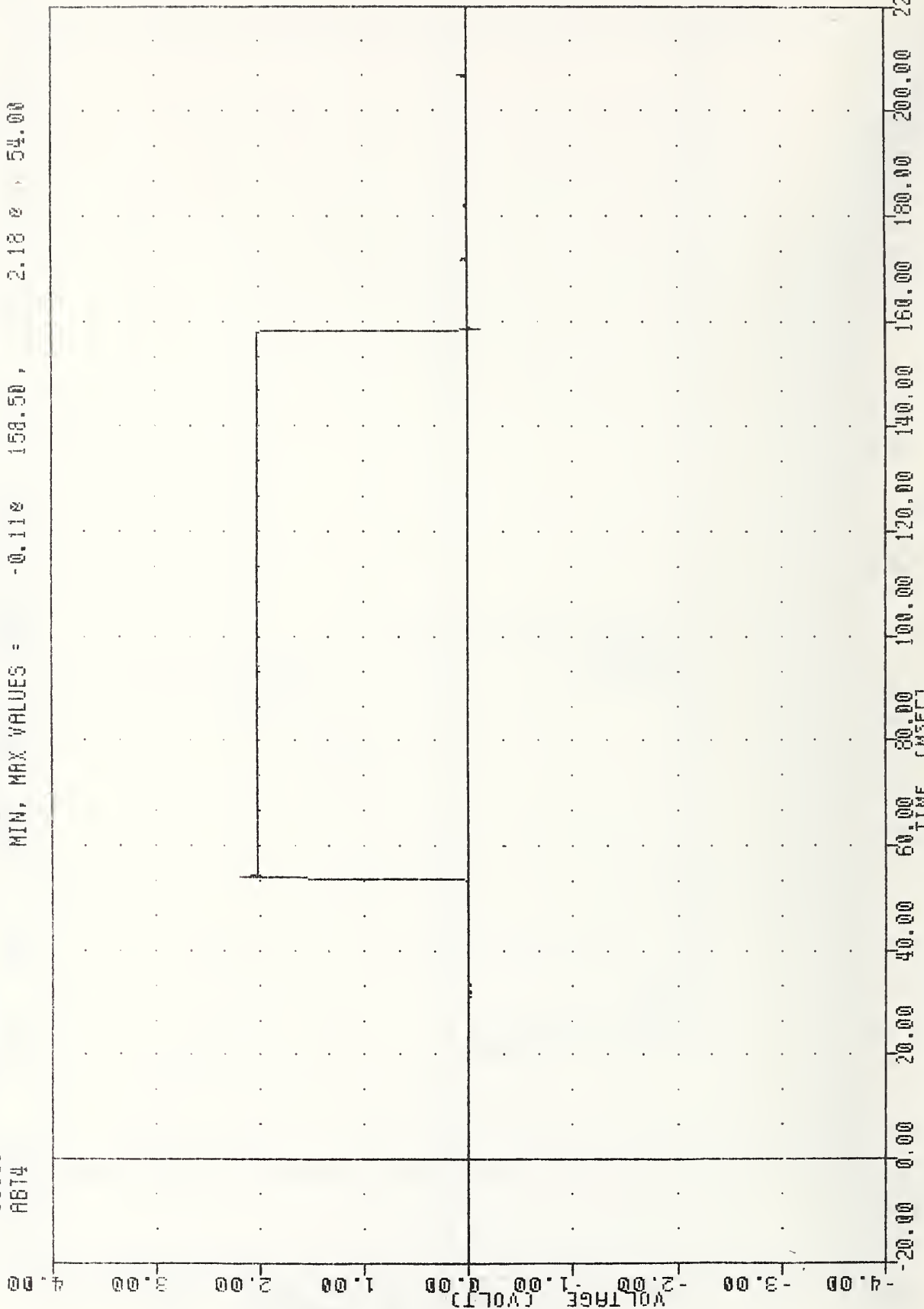
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
 BREED B-PILLAR SENSOR

VRTC : RE384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 AB74

PLOT DATE 30 MAY-85 09:13:25

FILTER = ALFF 1650 / 5214 / -40

MIN, MAX VALUES = -0.118 158.50, 2.18 54.00



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

VRTC , R0384-4-41
BREED AIRBAG SLED PROGRAM
95149
HEADG1

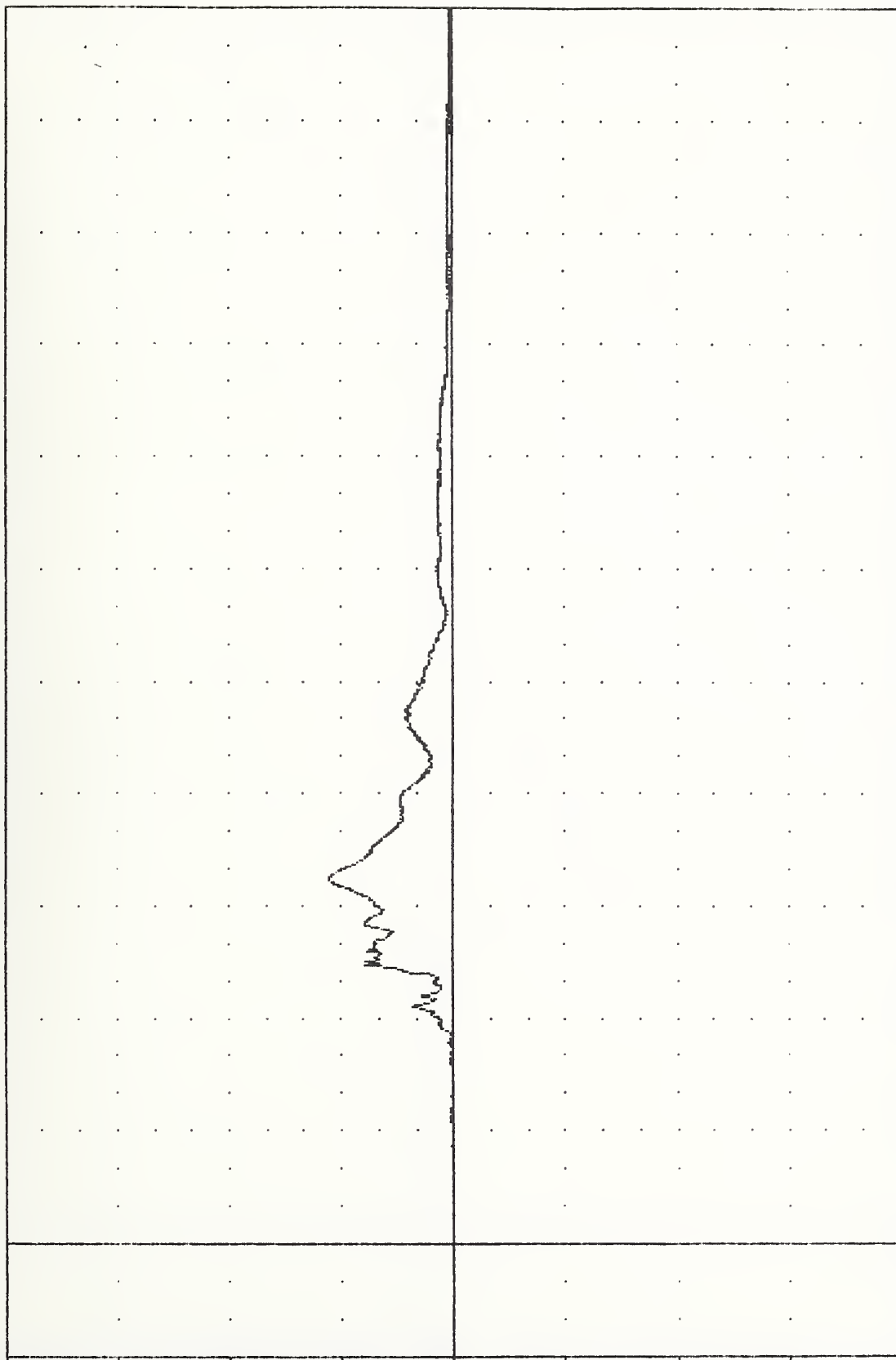
PLOT DATE 30-MAY-85 09:13:01

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.040 -14.89 ,

55.84 0 64.75

ACCELERATION (G)



TIME (MSEC)

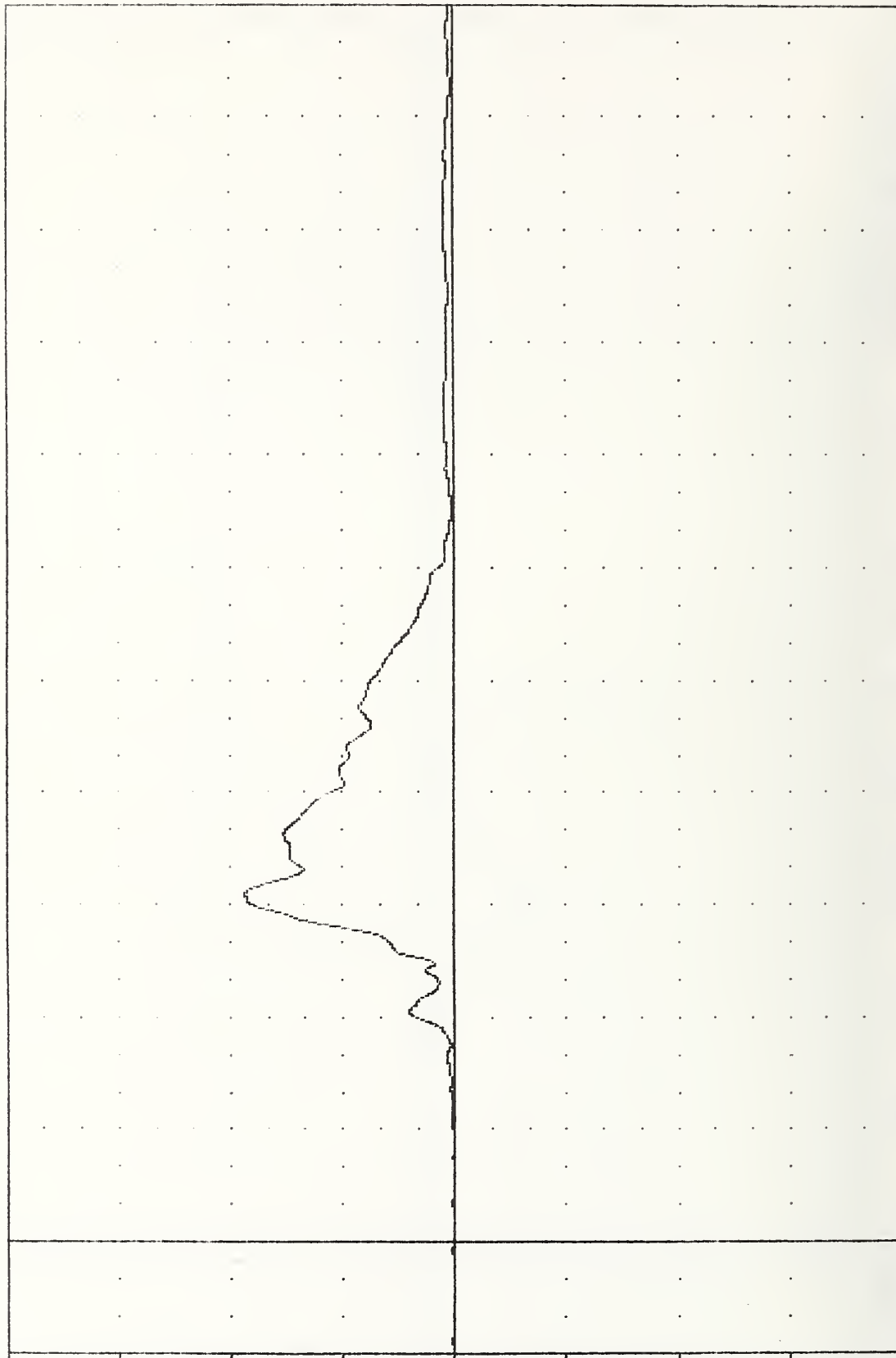
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRIC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
CSTRG1

PLOT DATE 30-MAY-85 09:13:01

FILTER = 8LFF 300/ 949/ -40
MIN. MAX VALUES = 0.060 0.13 , 46.63 2 , 61.88

ACCELERATION (G)



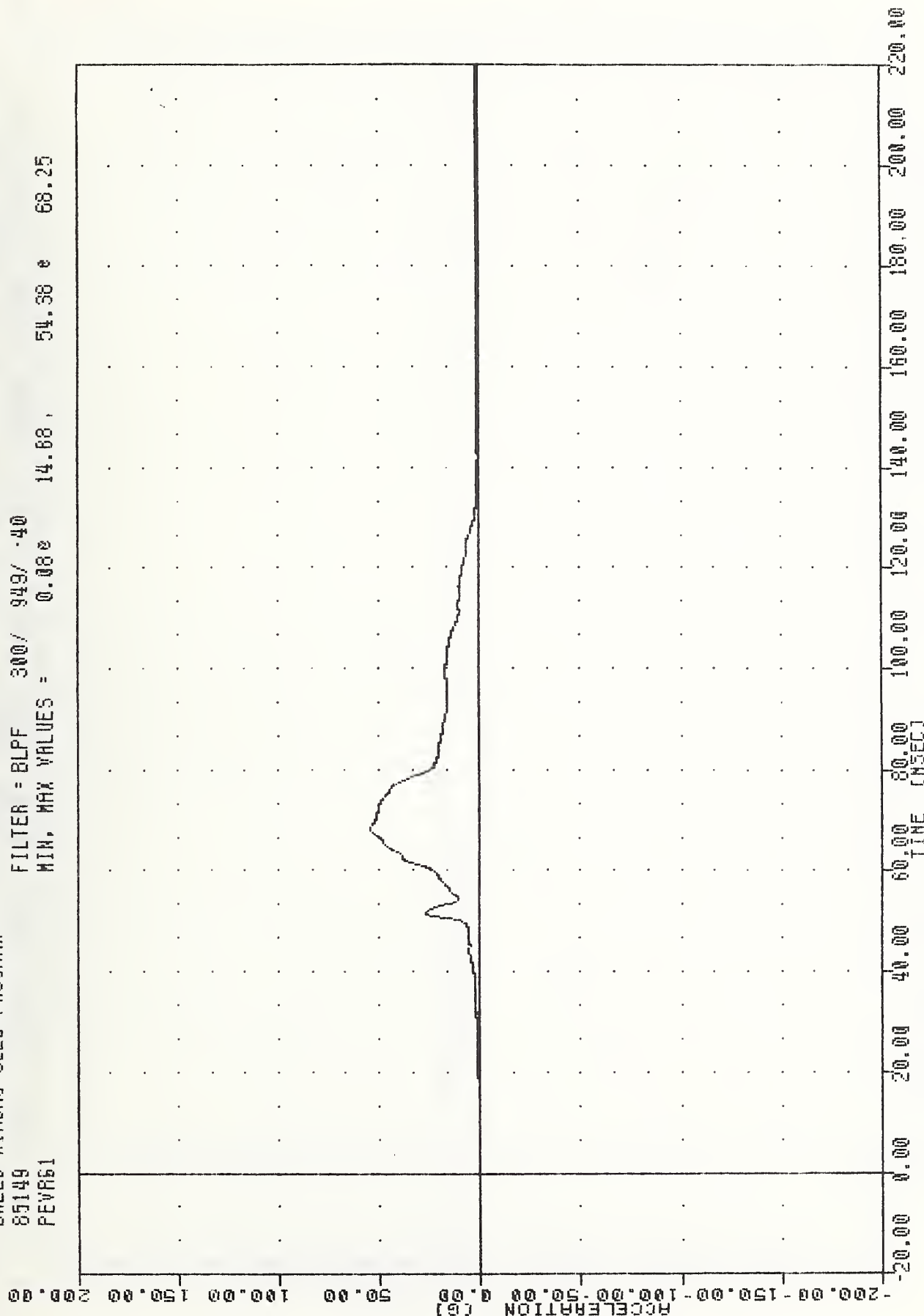
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

VATIC RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 PEVR61

PLOT DATE 30-MAY-85 09:13:01

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.08e 14.68 , 54.38 e 68.25



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

VRIC , P0384-4-41
BREED AIRBAG SLED PROGRAM
85149
LPBAG

PLOT DATE 30-MAY-85 09:13:01

200.00

150.00

100.00

50.00

0.00

-50.00

-100.00

-150.00

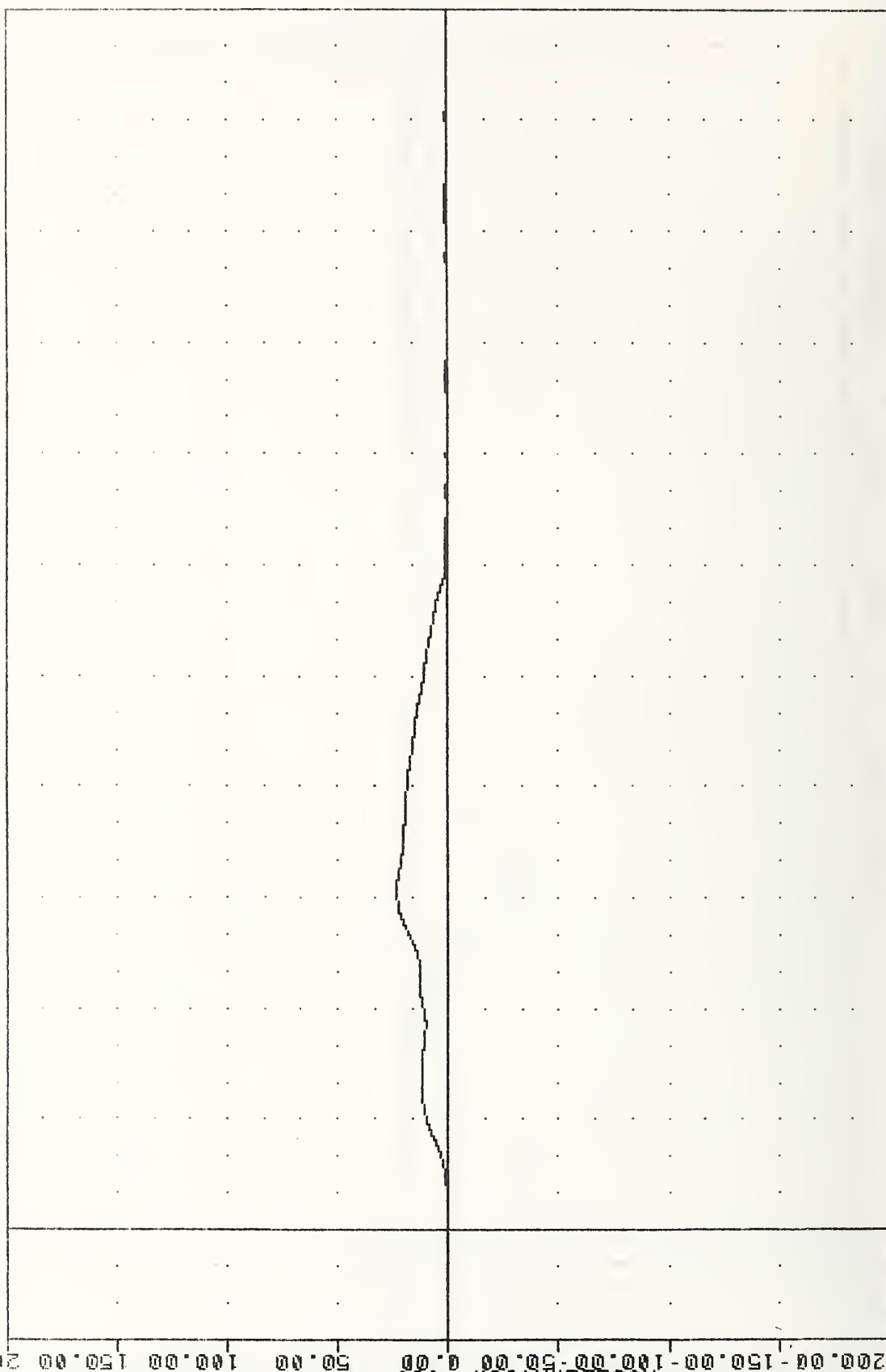
-200.00

ACCELERATION (G)

580

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.070 -20.00, 23.41 0 61.38



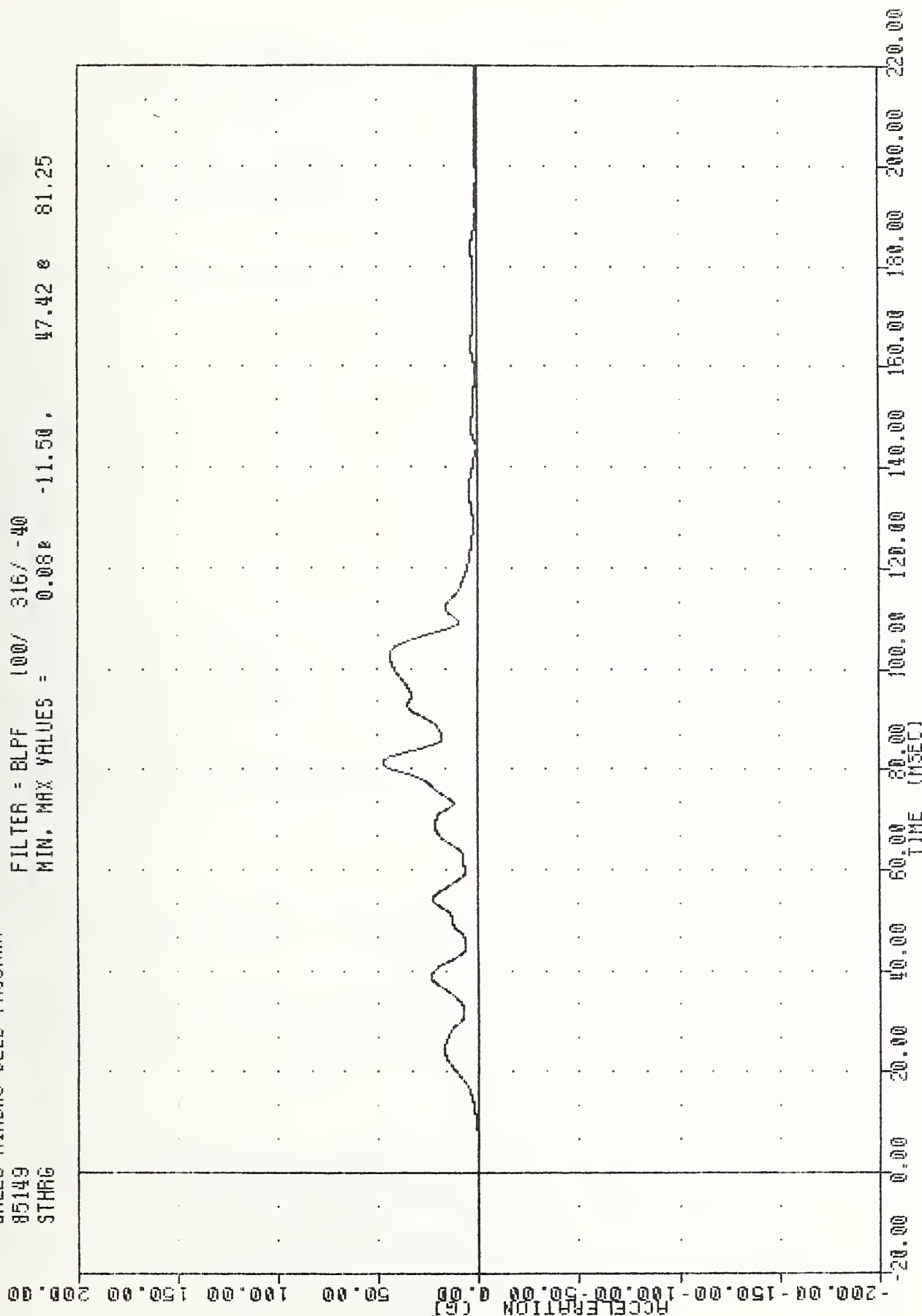
CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , RD384-4-41
BREED AIRBAG SLED PROGRAM
85149
STRG

PLOT DATE 30-MAY-85 09:13:01

FILTER = BLPF 100/ 316/ -40

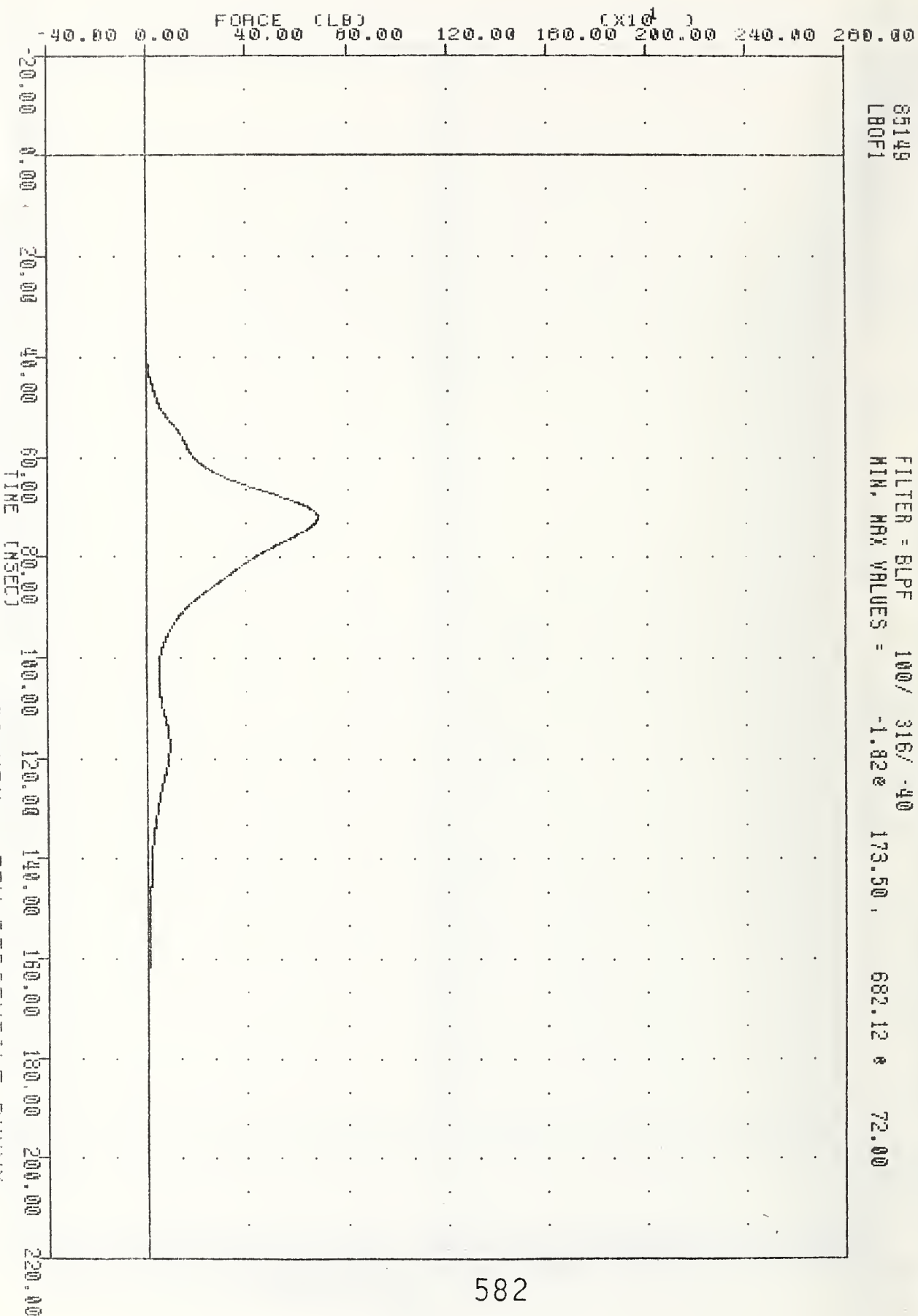
MIN. MAX VALUES = 0.008 -11.50, 47.42 81.25



CHEVROLET IMPALA SLED TEST - 30 MPH - 5TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

WATC , RD384-4-41
 BREED AIRBAG SLED PROGRAM
 85149
 LB0F1

PLOT DATE 30-MAY-85 09:13:25
 FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = -1.82e 173.50 , 682.12 e 72.00



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

1	EVENT	Min value		Max value		Data Units	Filter
2	SLDXV	0.068 @	54.875	1.606 @	-18.250 msec	volt	ALPF 1650/ 5214/ -40
3	SLDXG	-32.737 @	121.000	0.143 @	-19.875 msec	mph	ALPF 100/ 316/ -40
4	HEDXG1	-23.299 @	58.375	0.954 @	132.875 msec	g	BLPF 100/ 316/ -40
5	HEDXG1	-50.843 @	81.125	2.040 @	217.625 msec	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-1.565 @	72.750	5.151 @	88.125 msec	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-25.522 @	128.375	25.092 @	87.125 msec	g	ALPF 1650/ 5214/ -40
8	CSTXG1	-42.049 @	82.625	4.462 @	172.750 msec	g	BLPF 300/ 949/ -40
9	CSTZG1	-1.743 @	145.125	4.296 @	104.875 msec	g	BLPF 300/ 949/ -40
10	USTXG1	-11.191 @	134.625	11.119 @	99.500 msec	g	BLPF 300/ 949/ -40
11	LSTXG1	-65.575 @	79.375	6.303 @	169.125 msec	g	BLPF 300/ 949/ -40
12	PEVXG1	-135.683 @	104.500	65.137 @	40.125 msec	g	BLPF 300/ 949/ -40
13	PEVYG1	-112.124 @	94.125	3.451 @	114.625 msec	g	BLPF 300/ 949/ -40
14	PEVZG1	-11.607 @	92.750	9.977 @	94.750 msec	g	BLPF 300/ 949/ -40
15	LFMF1	-17.866 @	118.625	1.215 @	201.750 msec	g	BLPF 300/ 949/ -40
16	RFMF1	-2667.555 @	93.375	149.878 @	218.750 msec	lb	BLPF 1000/ 3162/ -40
17	STHPG	-2487.167 @	93.500	43.787 @	75.625 msec	lb	BLPF 1000/ 3162/ -40
18	STHLG	-62.638 @	107.500	58.209 @	84.875 msec	g	BLPF 100/ 316/ -40
19	STHIG	-22.118 @	111.750	11.940 @	98.125 msec	g	BLPF 100/ 316/ -40
20	LPBXG	-32.234 @	88.125	34.271 @	72.625 msec	g	BLPF 100/ 316/ -40
21	LPBYG	-23.186 @	61.125	1.694 @	130.375 msec	g	BLPF 100/ 316/ -40
22	LPBZG	-2.025 @	121.875	3.391 @	110.375 msec	g	BLPF 100/ 316/ -40
23	ABTP	-2.510 @	130.875	3.031 @	31.875 msec	g	BLPF 100/ 316/ -40
24	ABT1	-2.599 @	45.375	26.706 @	30.625 msec	psig	ALPF 1650/ 5214/ -40
25	ABT2	-3.748 @	26.750	0.929 @	159.500 msec	volt	ALPF 1650/ 5214/ -40
26	ABT3	-2.869 @	26.875	0.004 @	-0.125 msec	volt	ALPF 1650/ 5214/ -40
27	ABT4	-0.001 @	-20.000	2.125 @	140.250 msec	volt	ALPF 1650/ 5214/ -40
		-2.037 @	171.250	10.002 @	79.375 msec	volt	ALPF 1650/ 5214/ -40

1	EVENT	Min value		Max value		Data Units	Filter
2	HEDXV1	-38.254 @	207.750	0.880 @	61.125 msec	mph	BLPF 300/ 949/ -40
3	HEDXD1	-54.934 @	220.000	0.409 @	69.250 msec	in	BLPF 300/ 949/ -40
4	CSTXV1	-38.623 @	141.875	0.037 @	-3.000 msec	mph	BLPF 300/ 949/ -40
5	CSTXD1	-56.565 @	220.000	0.027 @	18.750 msec	in	BLPF 300/ 949/ -40
6	PEVXV1	-28.457 @	163.375	-0.355 @	-11.625 msec	mph	BLPF 300/ 949/ -40
7	PEVD1	-46.090 @	220.000	-0.188 @	-20.000 msec	in	BLPF 300/ 949/ -40
8	SLDXV1	-32.285 @	116.875	-0.006 @	-15.625 msec	mph	BLPF 300/ 949/ -40
9	SLDXD	-61.680 @	220.000	-0.003 @	-20.000 msec	in	BLPF 300/ 949/ -40
10	STHPV	-30.847 @	152.500	0.150 @	-20.000 msec	mph	BLPF 300/ 949/ -40
11	STHPD	-52.470 @	220.000	0.118 @	8.000 msec	in	BLPF 300/ 949/ -40
12	LPBXV	-31.650 @	118.875	-0.003 @	-20.000 msec	mph	BLPF 300/ 949/ -40
		-59.596 @	220.000	0.000 @	-20.000 msec	in	BLPF 300/ 949/ -40

1	EVENT	Min value		Max value		Data Units	Filter
2	HEDRG1	0.038 @	-16.000	54.077 @	82.375 msec	g	ALPF 1650/ 5214/ -40
3	CSTRG1	0.025 @	-6.250	42.126 @	82.625 msec	g	BLPF 300/ 949/ -40
4	PEVRG1	0.053 @	-11.625	112.468 @	94.125 msec	g	BLPF 300/ 949/ -40
5	STHRG	0.052 @	-19.375	66.857 @	106.750 msec	g	BLPF 100/ 316/ -40
		0.027 @	-6.750	23.207 @	61.250 msec	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC449RP.RAD;1
VRTC RD384-4-42 BREED AIRBAG SLED PROGRAM
85150 30.00 mph

* * * HIC computation for HEDRG1 30-MAY-85 15:27
Using time range = 0.000 to 139.375 msec Peak accel = 54.08 @ 82.375
HIC = 329.89 Interval from 69.375 [716] to 98.250 [947]
HIC = 258.72 Interval from 73.375 [748] to 88.375 [868]

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

Enter input filespec -> TRC449RP

File TRC449RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-42 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED,BREED]TRC449RP.RAD;1 VRTC RD384-4-42
BREED AIRBAG SLED PROGRAM 30.0 mph 85150 30-MAY-85 15:44:30
Deltax: 0.125

3 MS CLIP PEAK: 41.04468

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
\$

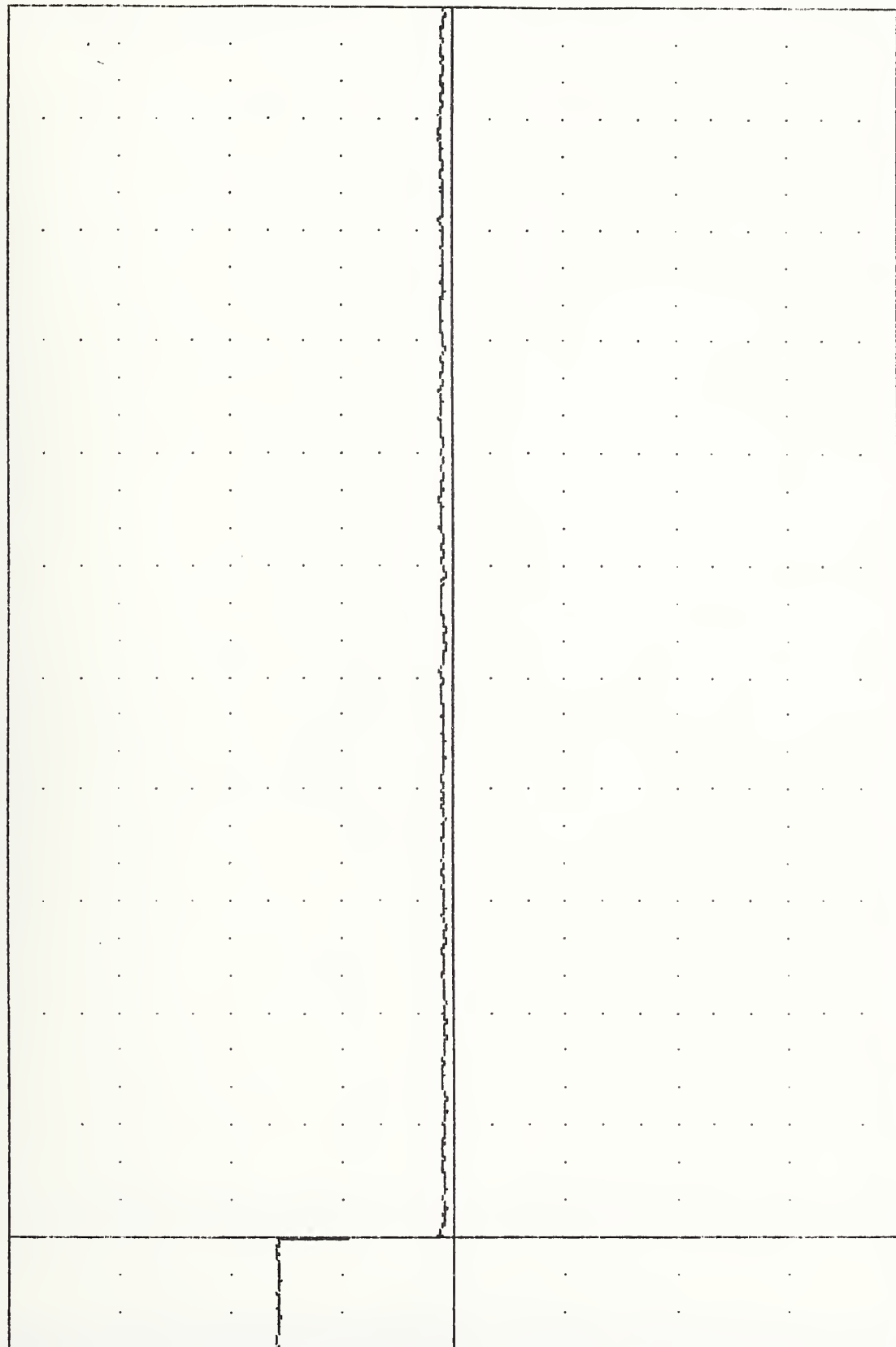
VRTC
BREED AIRBAG SLED PROGRAM
85150
EVENT

PLOT DATE 31-MAY-85 08:09:19

FILTER = ALFF 1650/ 5214/ -40
MIN. MAX VALUES = 0.07% 54.88, 1.61% -18.25

4.00
3.00
2.00
1.00
0.00
-1.00
-2.00
-3.00
-4.00

(VOLT)



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

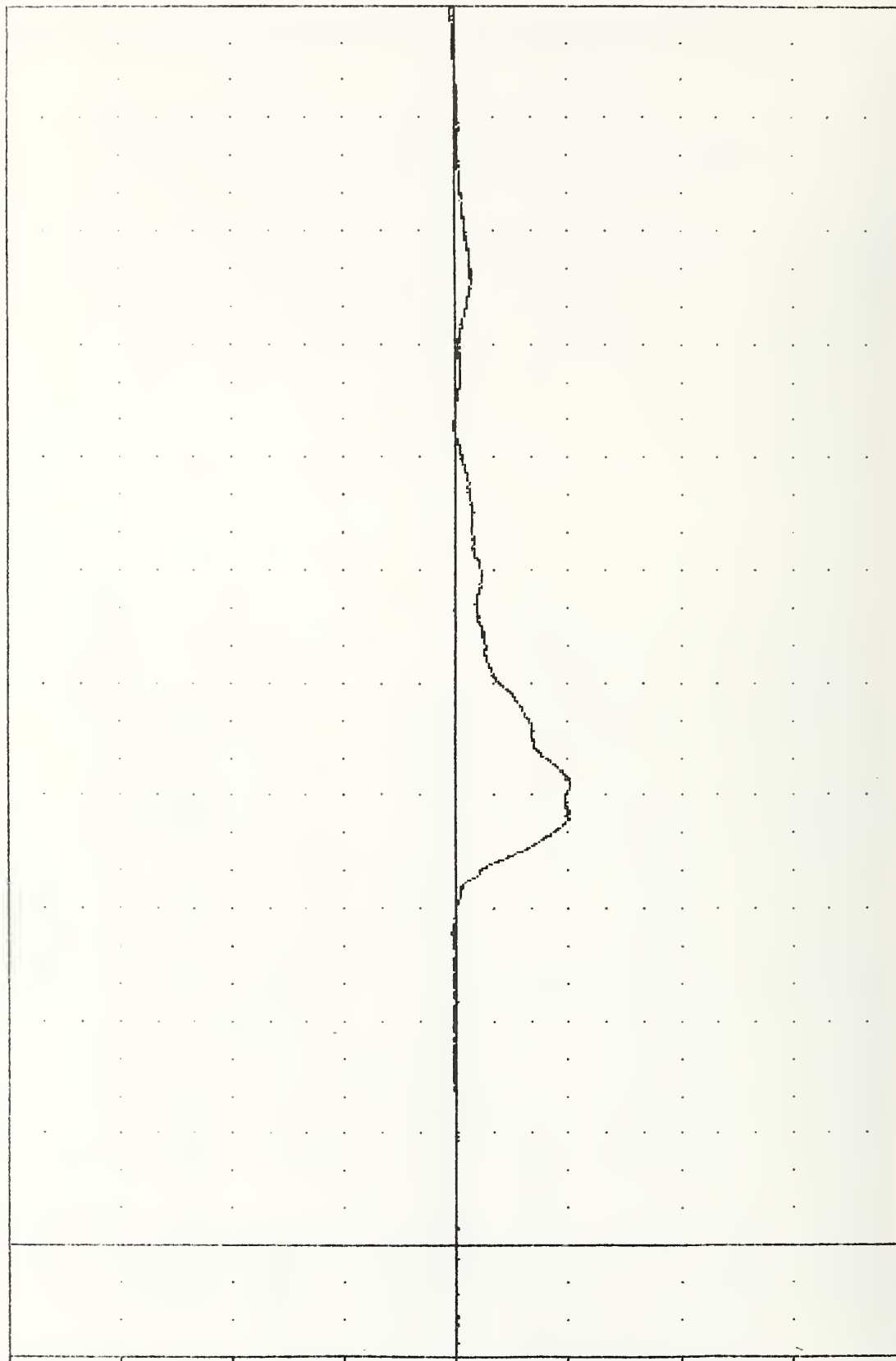
VRIC , RD384-4-42
BREED AIRBAG SLEO PROGRAM
85150
HE0X61

PLOT DATE 31-MAY-95 08:09:14

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -50.848 81.13, 2.048, 217.63

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 SLEO TEST - 30 MPH - 50TH PERCENTILE DUMMY

DRIVER HEAD ACCELERATION X AXIS

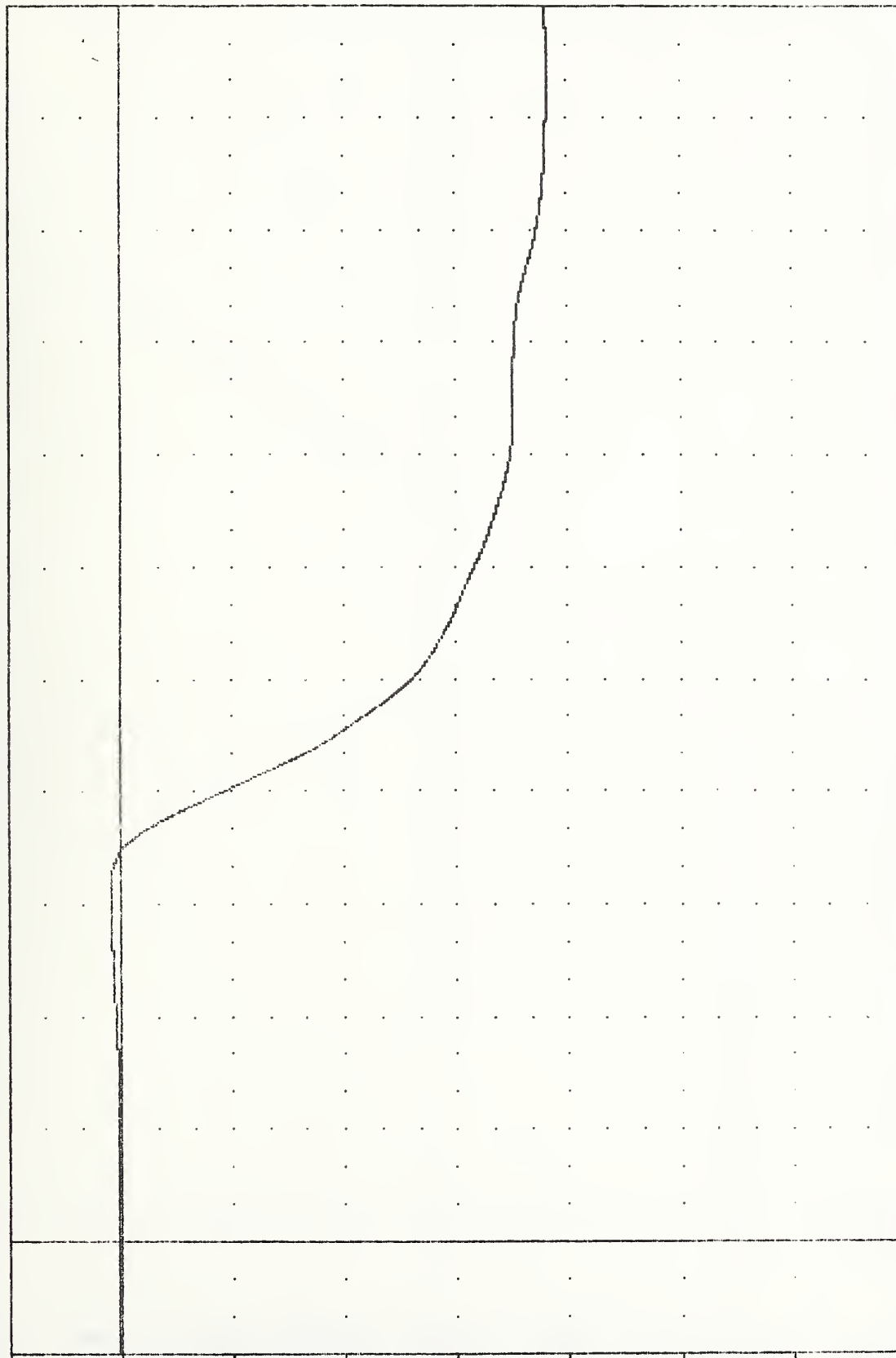
VRTC RD384-4-42
BREED AIRBAG SLED PROGRAM
85150
HEDXV1

PLOT DATE 31-MAY-85 08:11:48

FILTER = 8LFF 300/ 949/ -40

MIN. MAX VALUES = -38.25 207.75 0.88 61.13

VELOCITY (MPH)



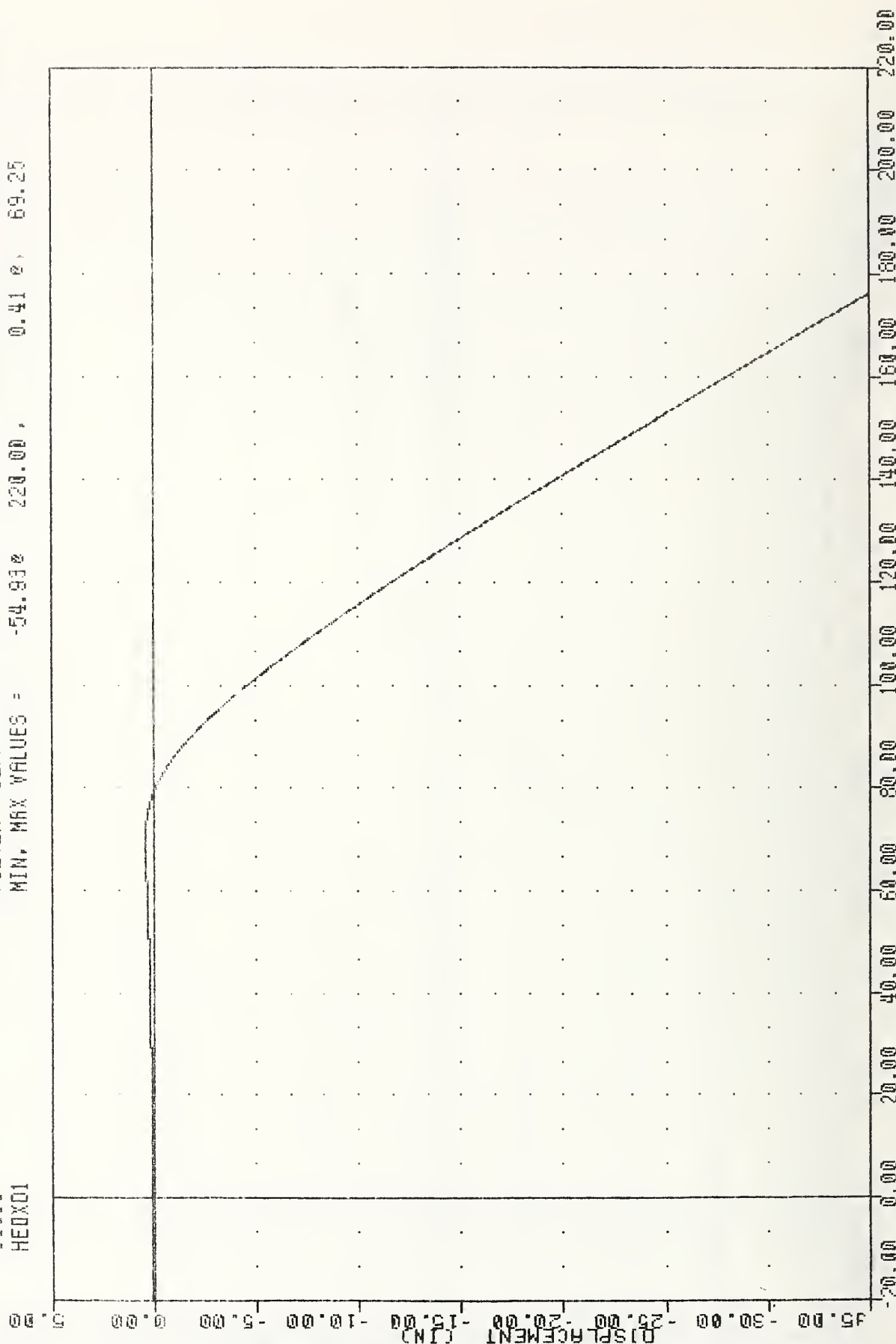
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING HEDXG1

VRIC , RD384-4-A2
 BREED AIRBAG SLED PROGRAM
 85150
 HEDX01

PLOT DATE 31-MAY-85 08:11:48

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -54.930 220.00, 0.410, 69.25



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

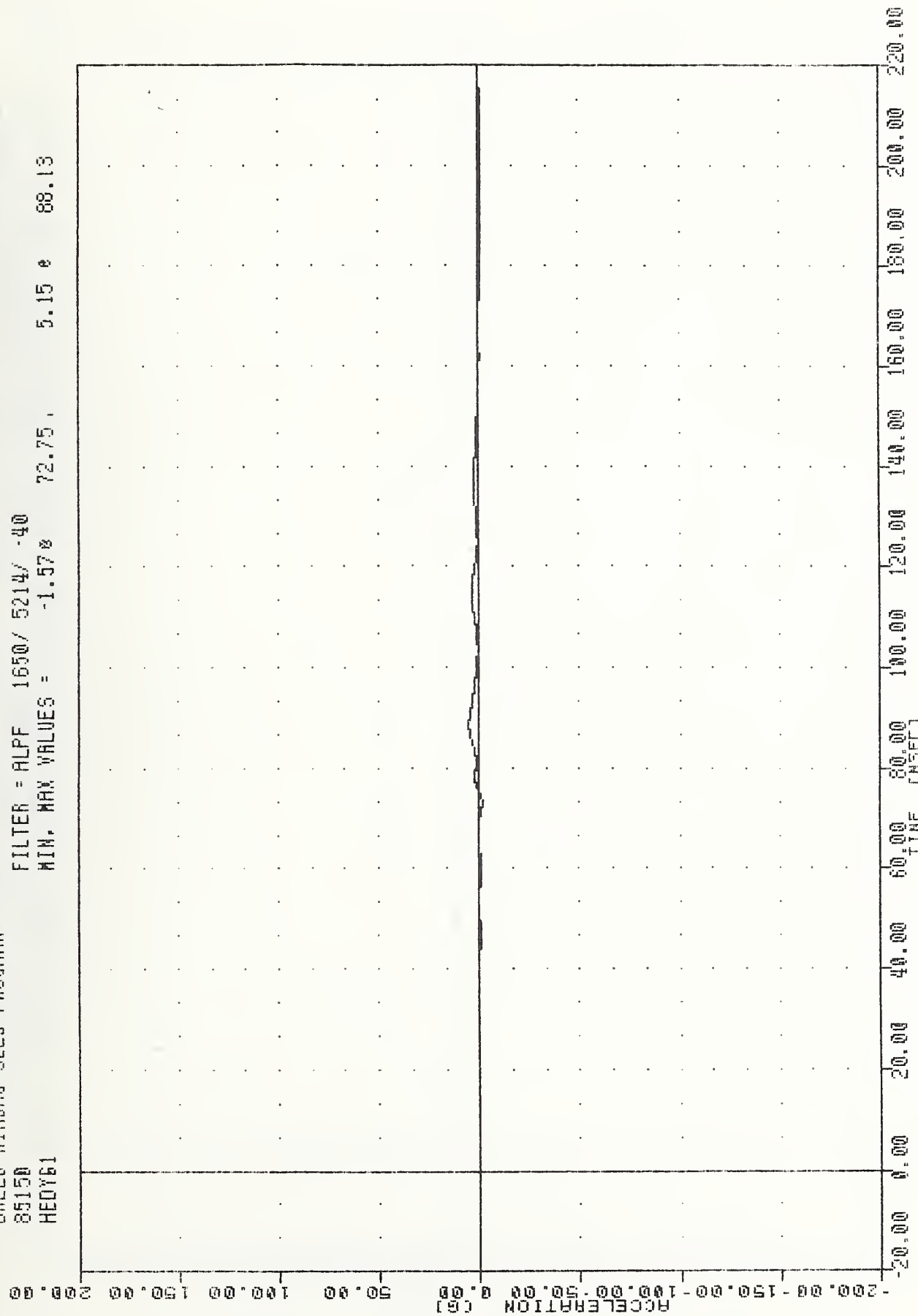
DELTA X USING HEDXV1

VRTC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 HEDY61

PLOT DATE 31-MAY-85 08:09:19

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -1.57% 72.75 , 5.15 % 88.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

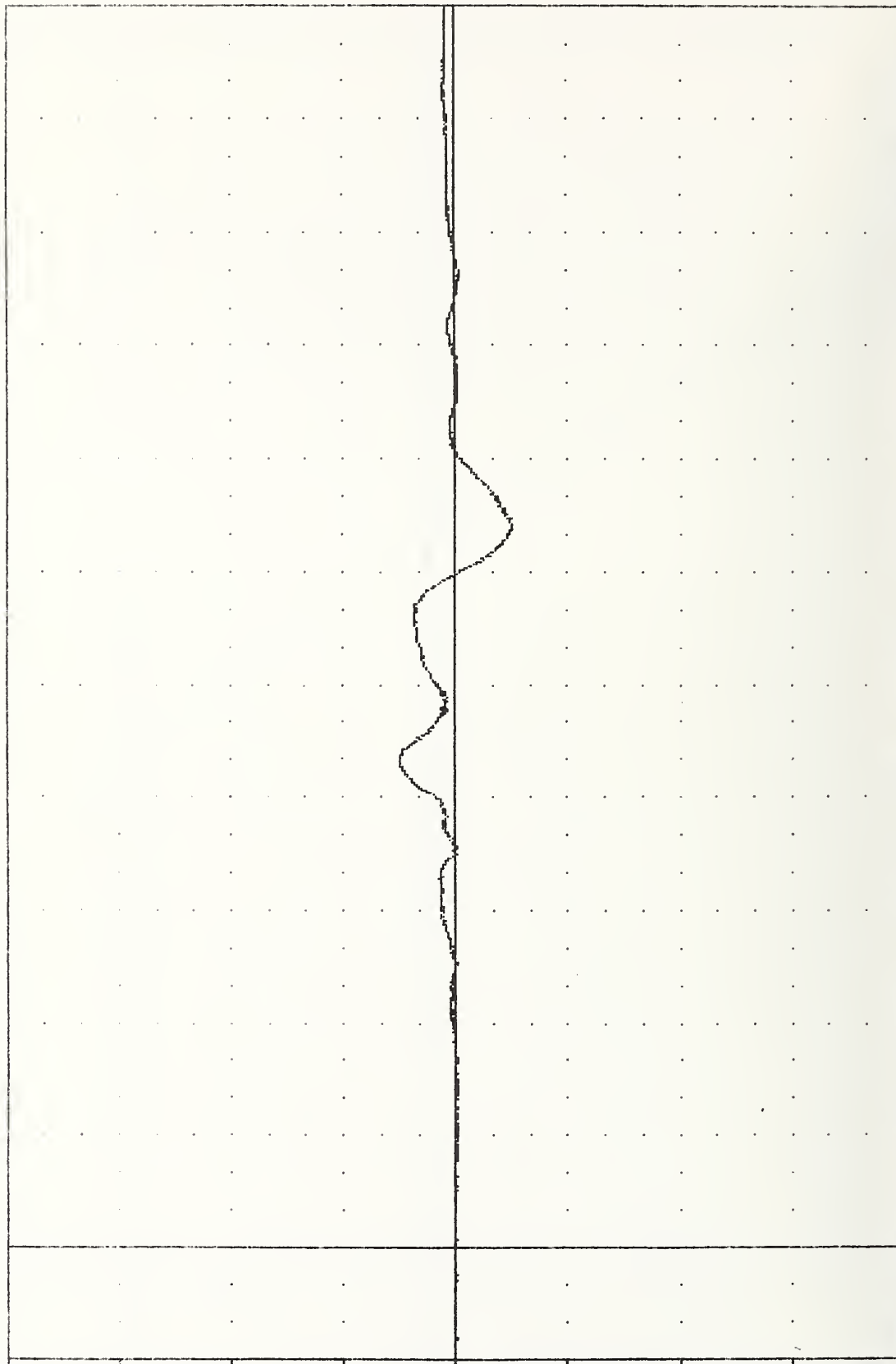
VRTC
 BREED AIRBAG SLED PROGRAM
 85150
 HEDZ61

PLT DATE 31-MAY-85 08:09:19

FILTER = ALPF 1850/ 5214/ -40

MIN, MAX VALUES = -25.52 128.38, 25.09 87.13

ACCELERATION (G)



590

200.00 150.00 100.00 50.00 0.00 50.00 100.00 150.00 200.00

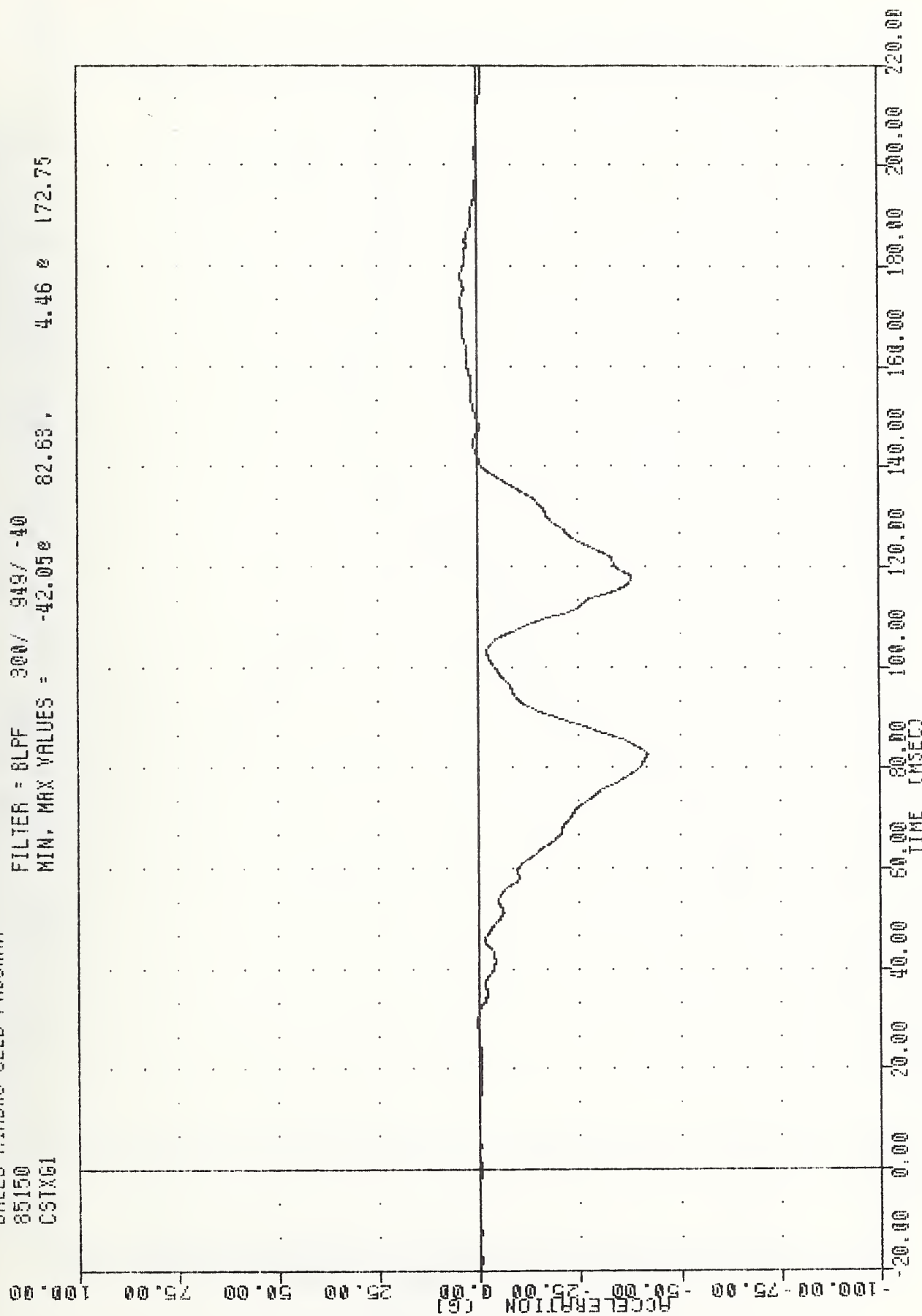
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Z AXIS

VRIC . RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 CSTXG1

PLOT DATE 31-MAY-85 08:03:19

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -42.05e 82.63, 4.46 e 172.75



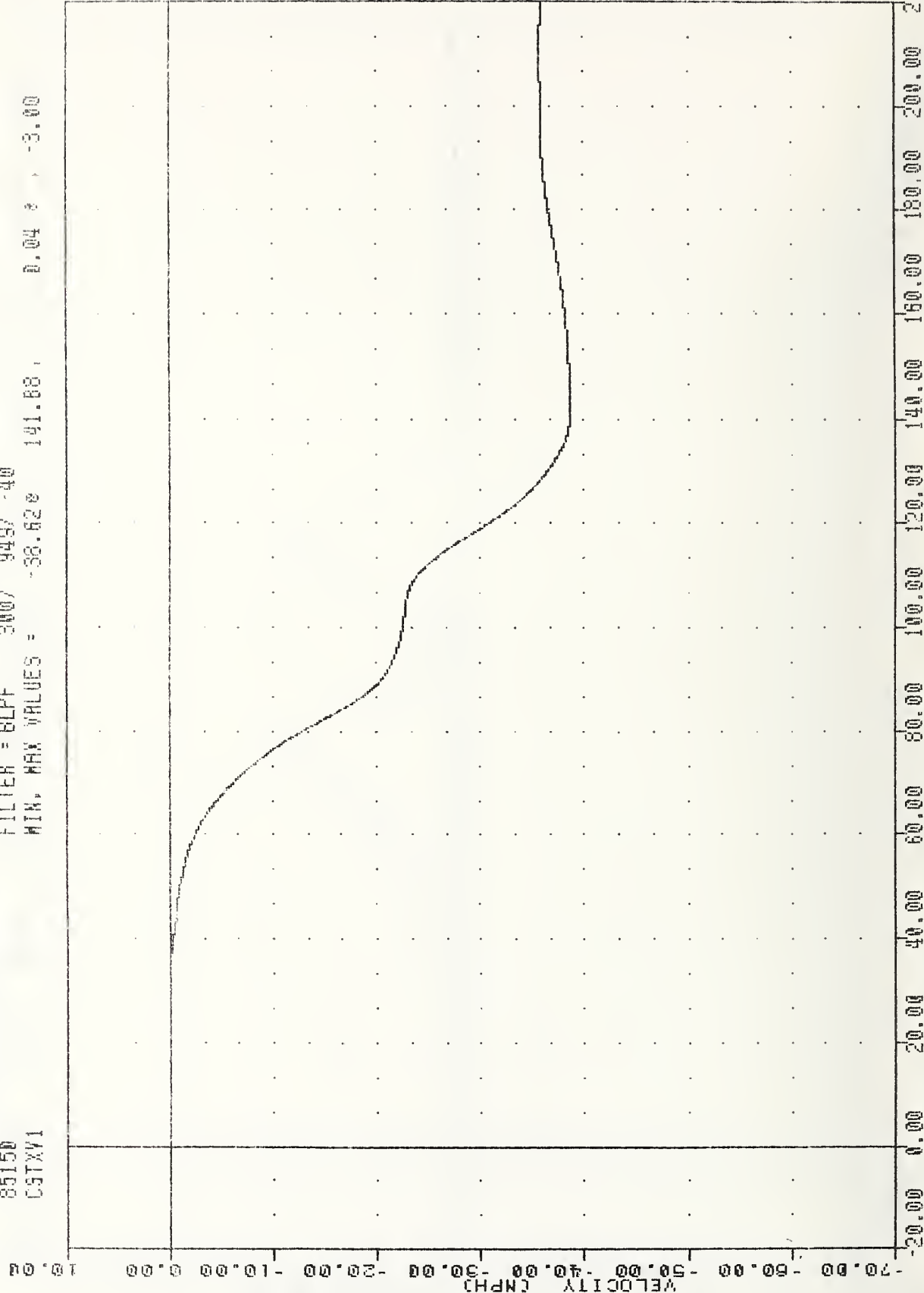
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION X AXIS

VATIC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 CSTXV1

PLOT DATE 31-MAY-85 08:11:46

FILTER = 6LFF 300/ 949/ -40

MIN, MAX VALUES = -38.62 141.88 0.04 -3.00



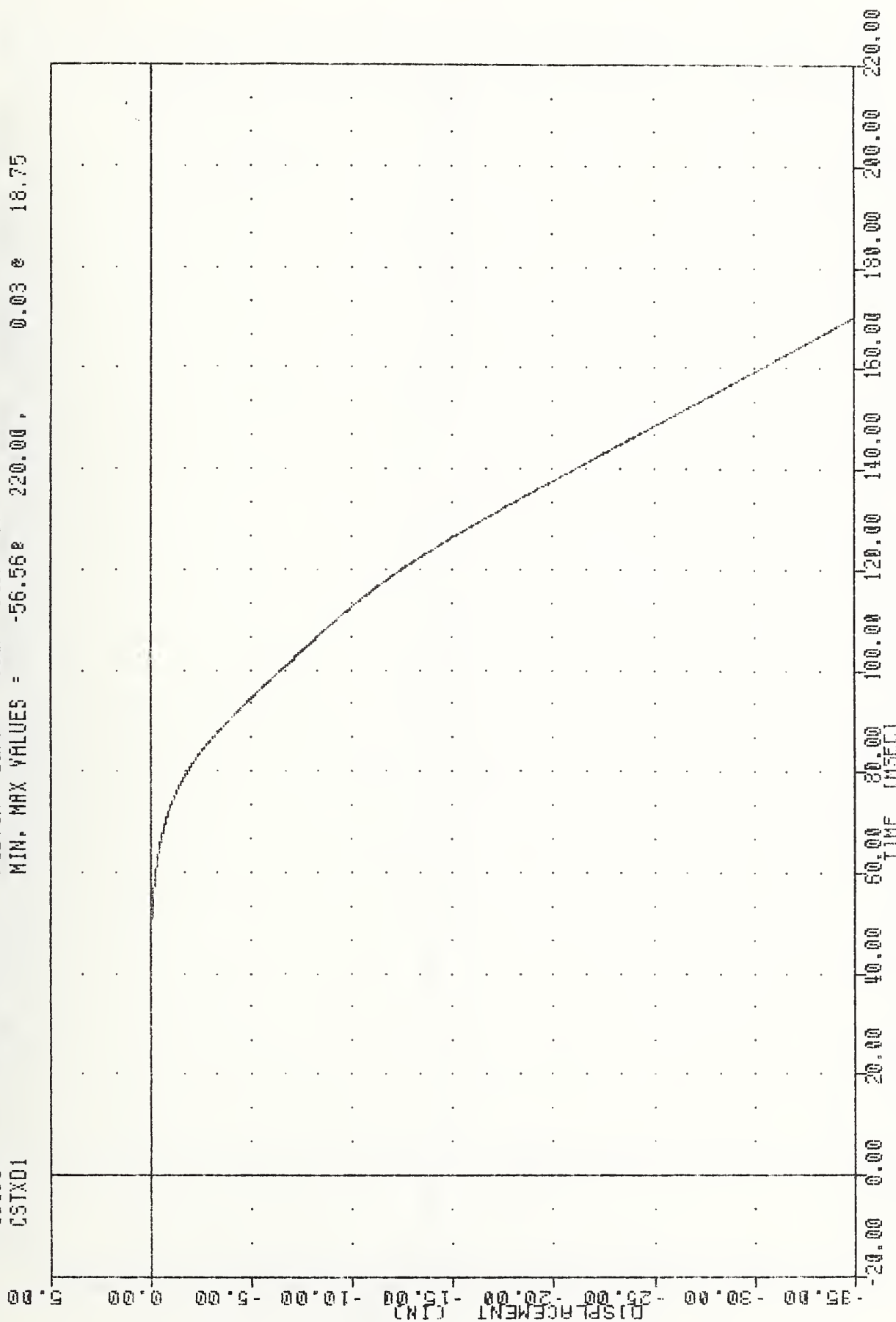
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING CSTXG1

VRTC , RD384-4-42
BREED AIRBAG SLED PROGRAM
85150
CSTXD1

PLOT DATE 31-MAY-85 08:11:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -56.56e 220.00, 0.03 e 18.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING CSTXV1

VRTC , RD984-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 CSTY61

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLFF 300/ 949/ -40
 MIN. MAX VALUES = -1.74e 145.13 , 4.30 e , 104.88

100.00

75.00

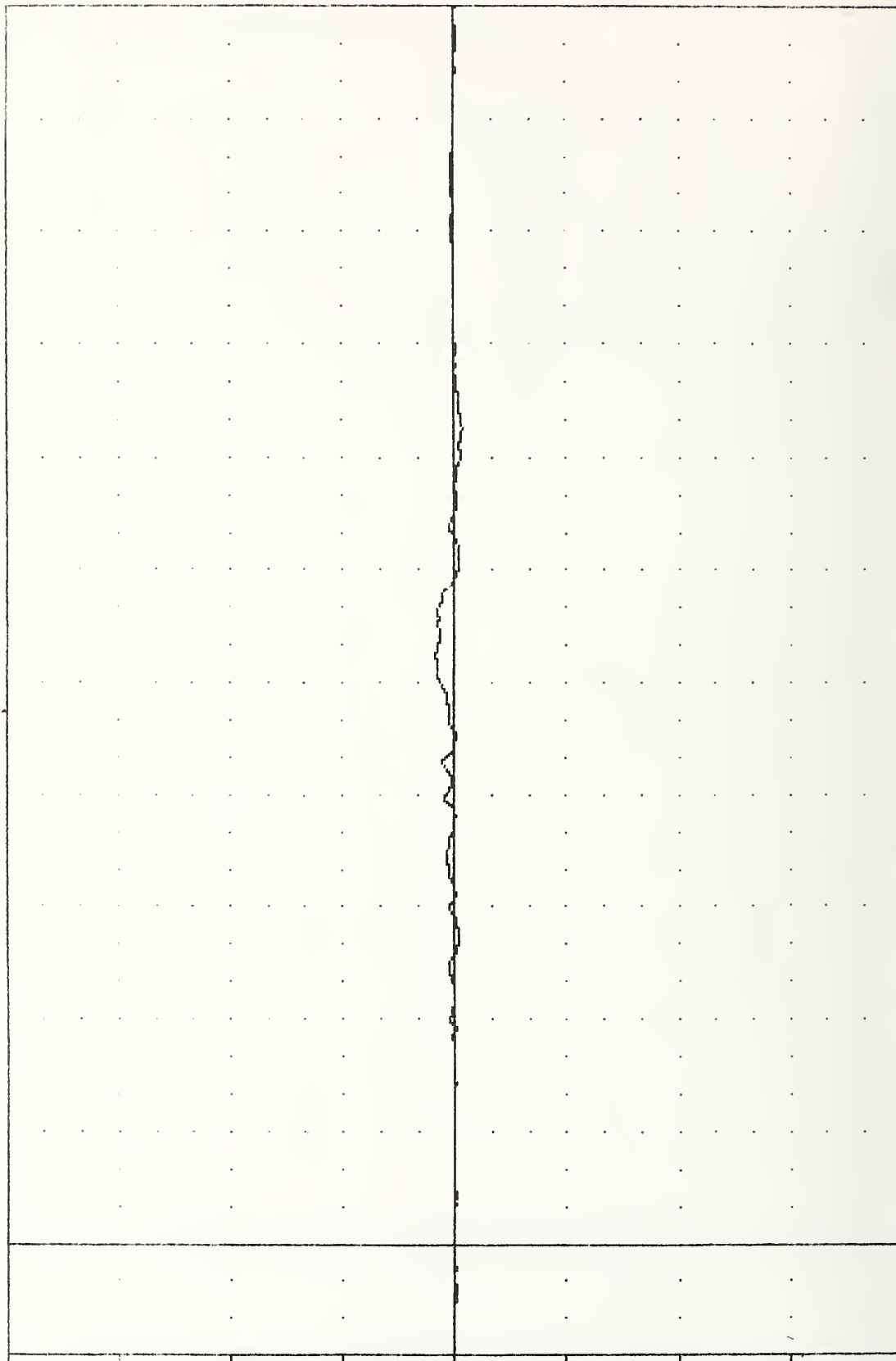
50.00

25.00

0.00

ACCELERATION

594



-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

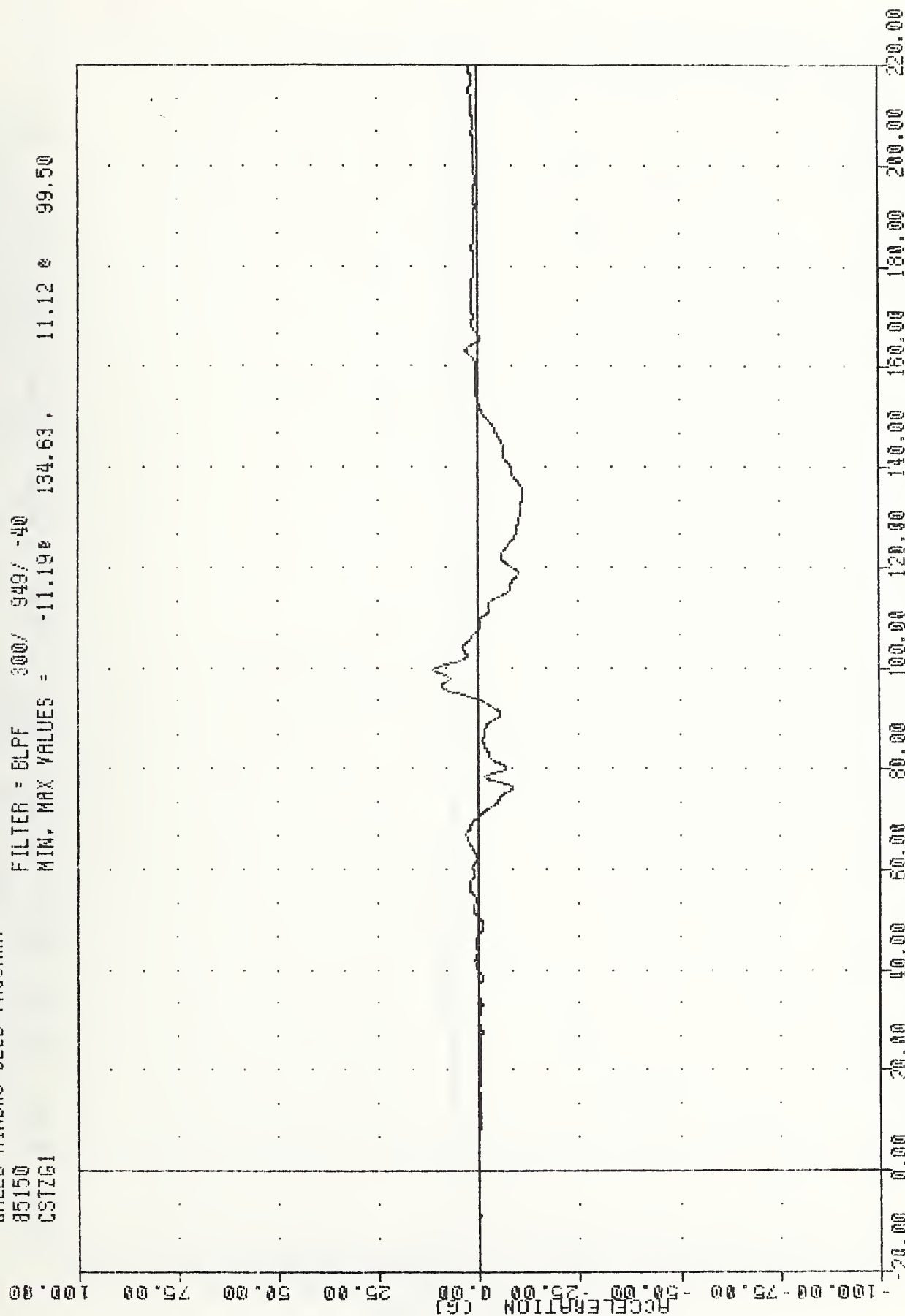
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST ACCELERATION Y AXIS

NRIC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
CSTZG1

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -11.19e 134.63, 11.12 e 99.50



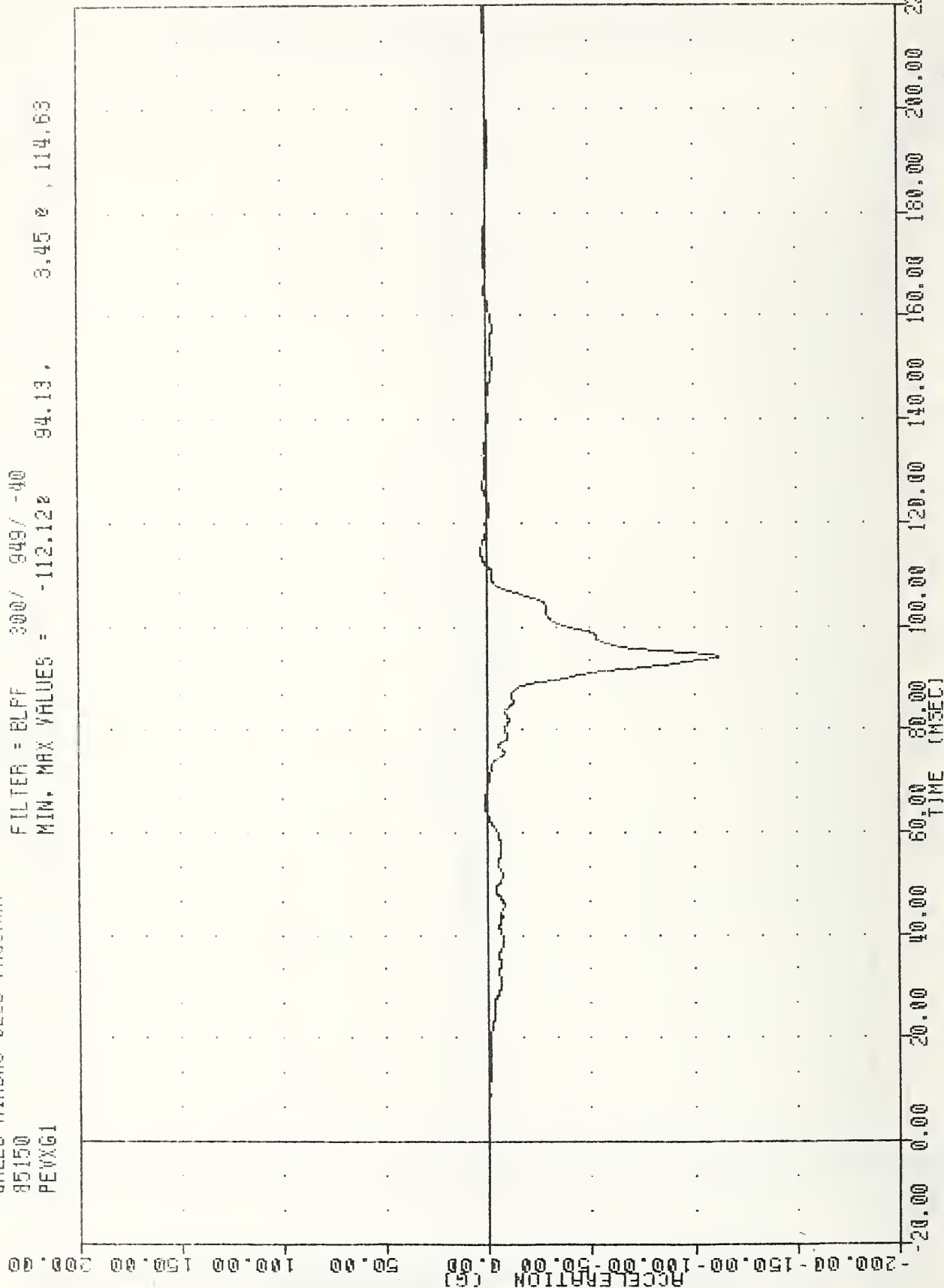
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION Z AXIS

VRIC
BREED AIRBAG SLED PROGRAM
95150
PEVXG1

PLUT DATE 31-MAY-83 08:03:19

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -112.128 94.13 3.45 0 114.63



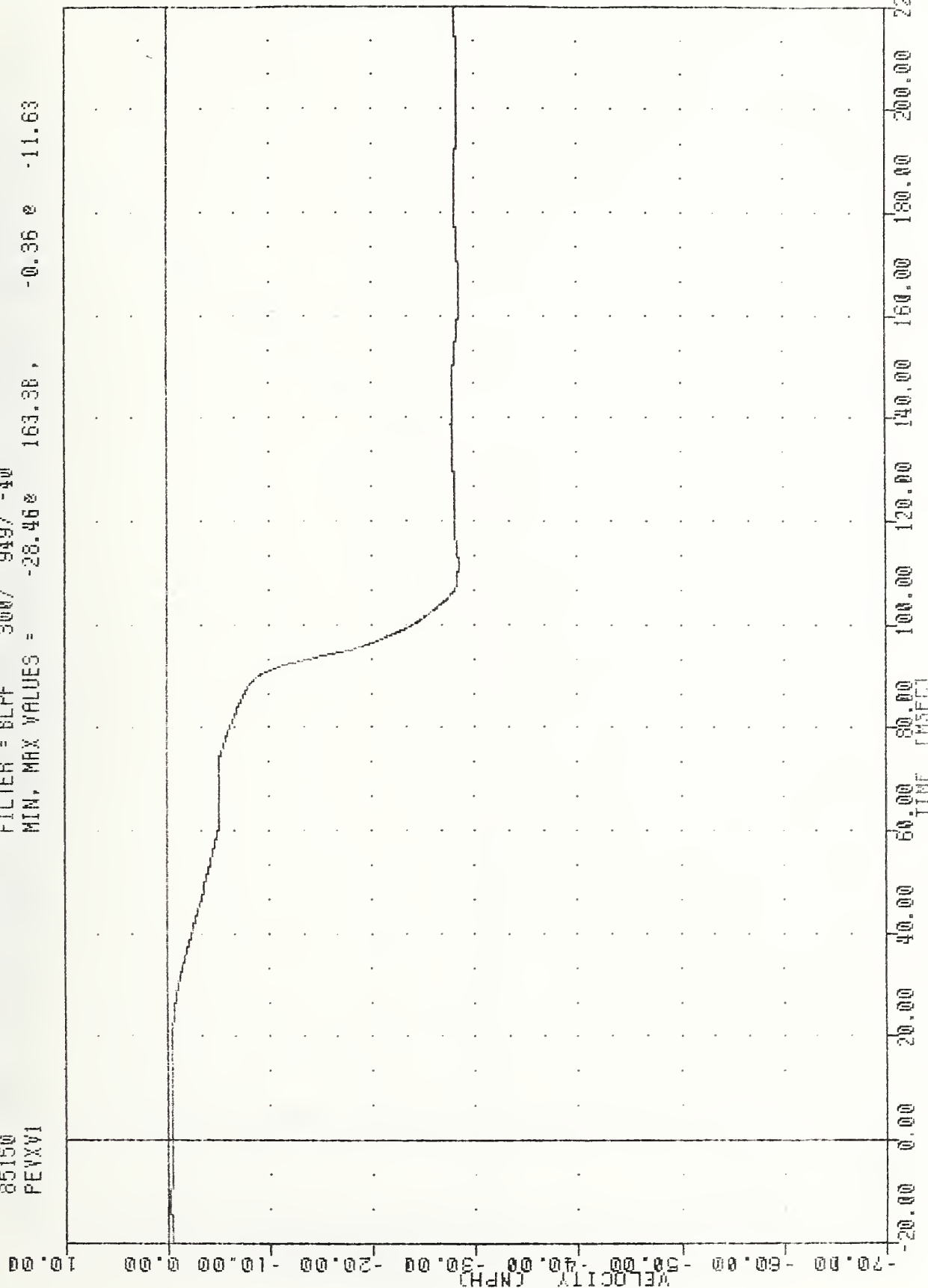
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION X AXIS

VRTC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 PEVXV1

PLOT DATE 31-MAY-85 00:11:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -28.46e 163.38, -0.36 e -11.63



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

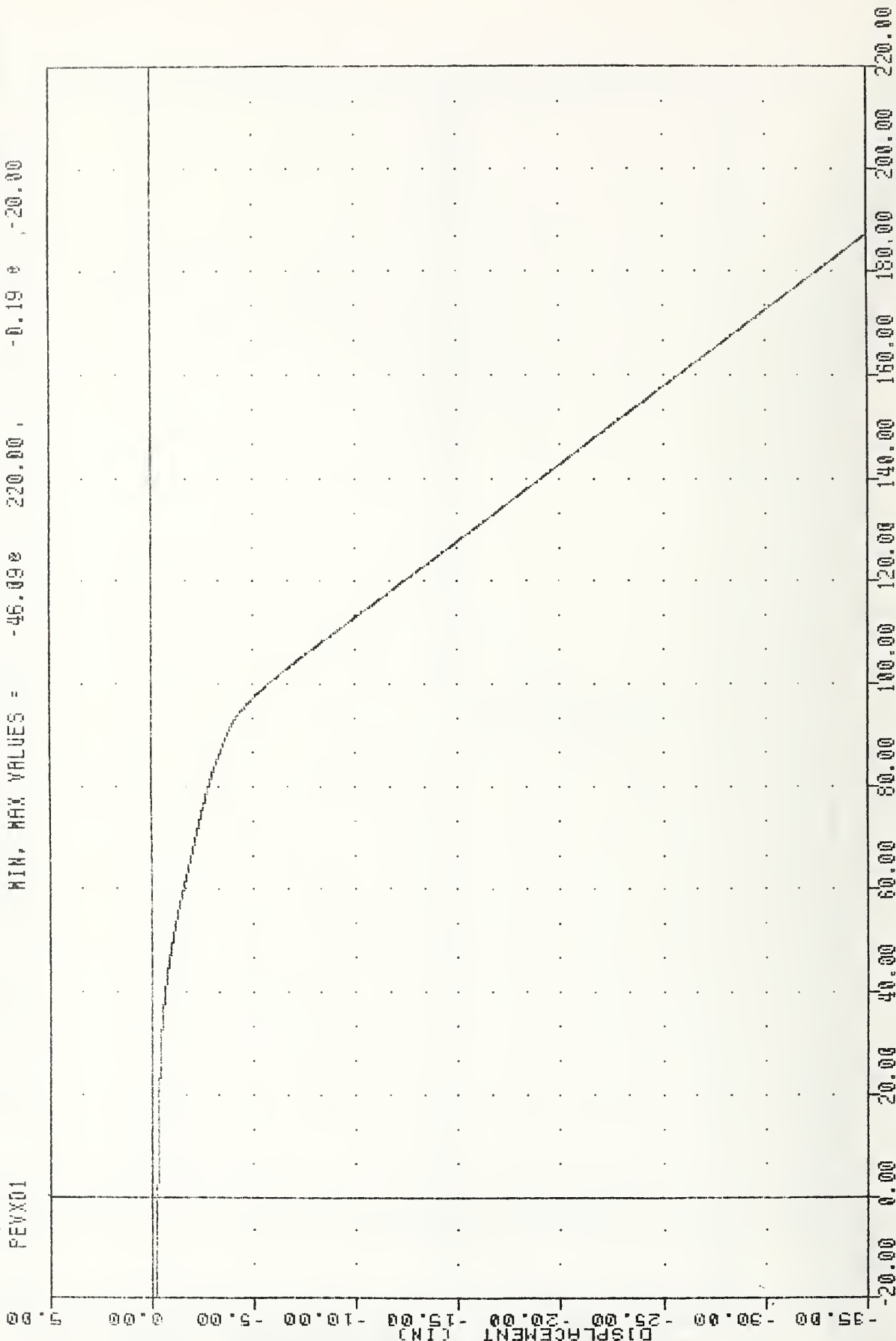
DELTA V USING PEVXV1

VRTO
BREED AIRBAG SLED PROGRAM
05150
PEVX01

PLOT DATE 31-MAY-85 08:11:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -46.09e 220.00, -0.19 e -20.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA X USING PEVXV1

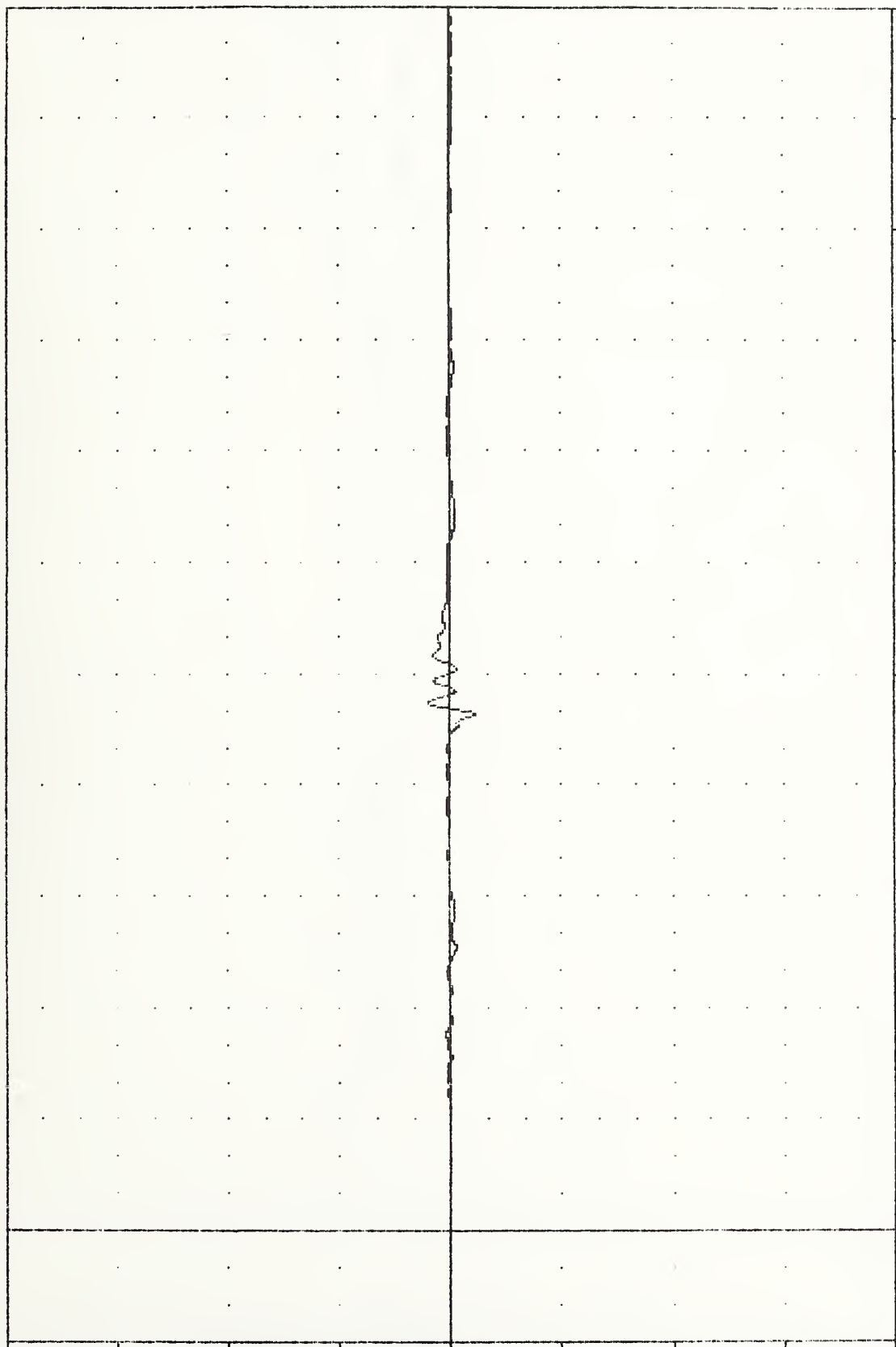
VRIC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
PEV761

PLOT DATE 31-MAY-85 00:00:19

FILTER = SLPF 300/ 949/ -40

MIN. MAX VALUES = -11.610 92.75, 9.98 94.75

ACCELERATION (G)

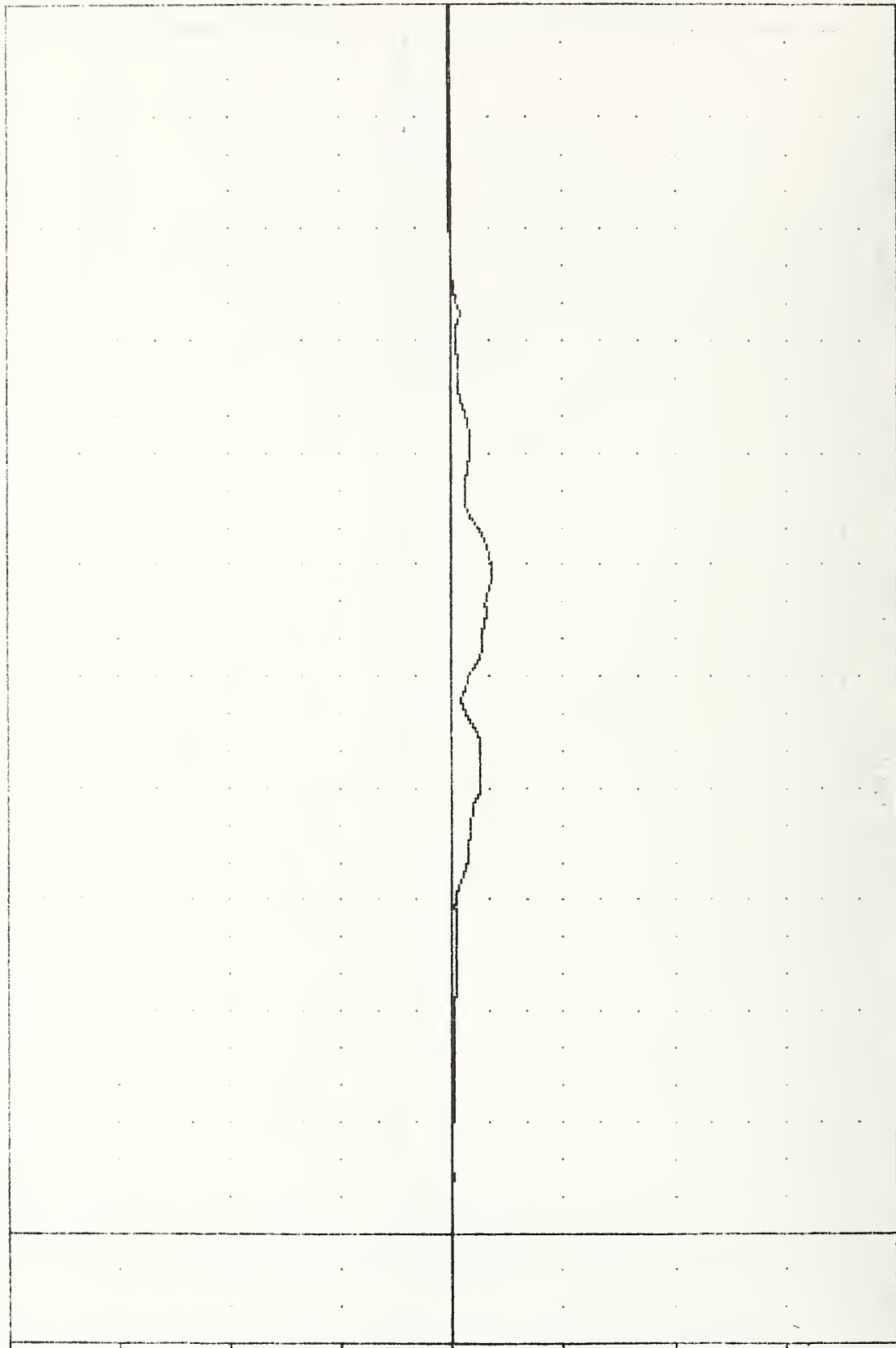


CHEVROLET IMPALA SLED TEST : 30 MPH - 50TH PERCENTILE DUMMY
DRIVER PELVIS ACCELERATION Y AXIS

VARI, R0380-4-42
 BREED AIRBAG SLED PROGRAM
 05150
 PEVZ61

PRINT DATE 31-MAY-85 03:09:14
 FILTER = ELFF 380/ 349/ -40
 MIN. MAX VALUES = -17.87% 118.63, 1.21 e 201.75

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



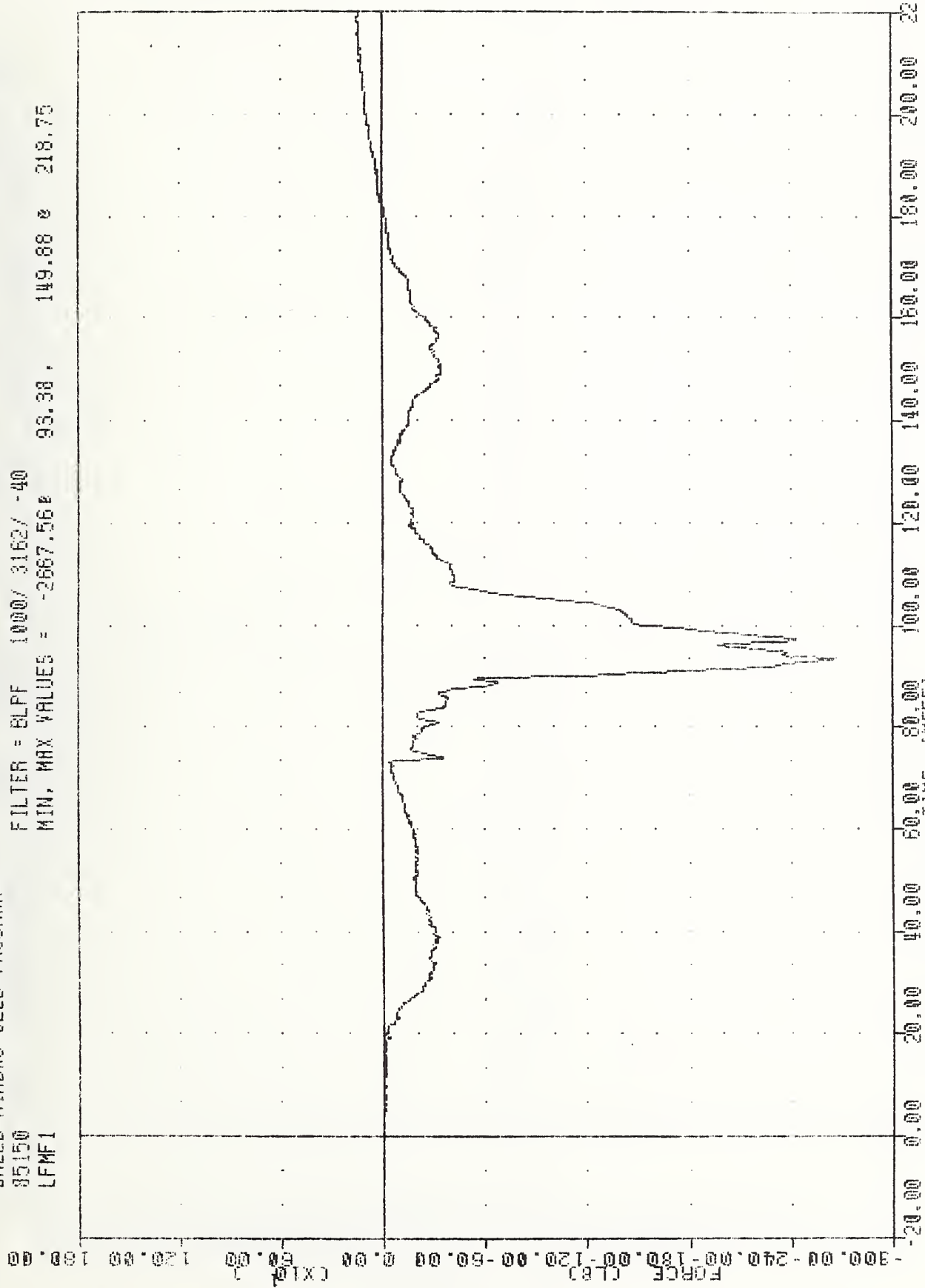
600

-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
 DRIVER PELVIS ACCELERATION Z AXIS

VRIC , R0384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 LFMF1

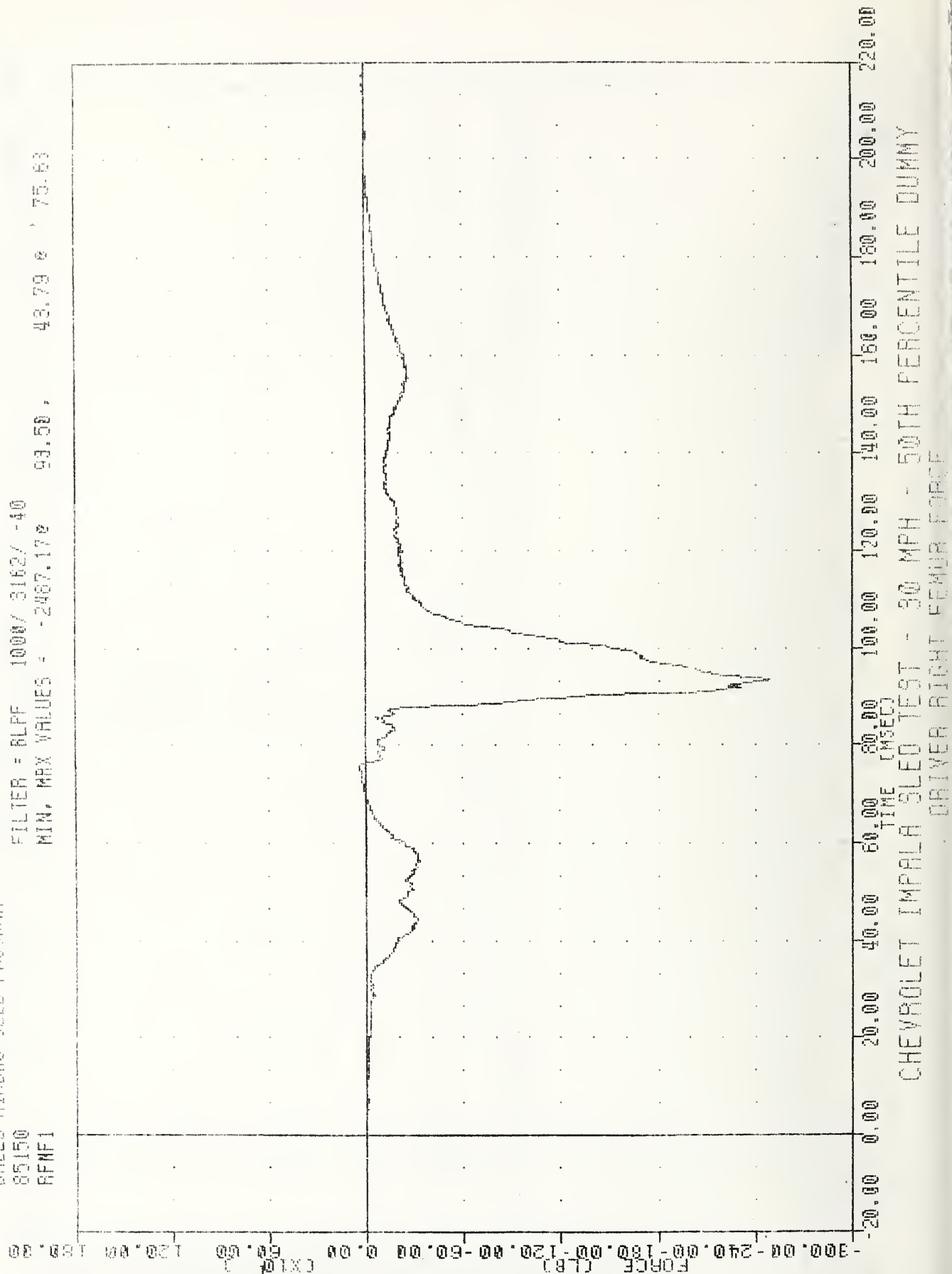
PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 1000/ 3162/ -40
 MIN, MAX VALUES = -2667.56 93.38 , 149.88 218.75



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER LEFT REAR FORCE

VRIC , R0304-4-42 PLOT DATE 31-MAY-85 08:04:19
 BREED AIRBAG SLED PROGRAM
 85150 FILTER = BLPF 1000/ 3162/ -40
 RFMF1 MIN, MAX VALUES = -2487.172 93.58, 43.79 e 75.63



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER RIGHT FEMUR FORCE

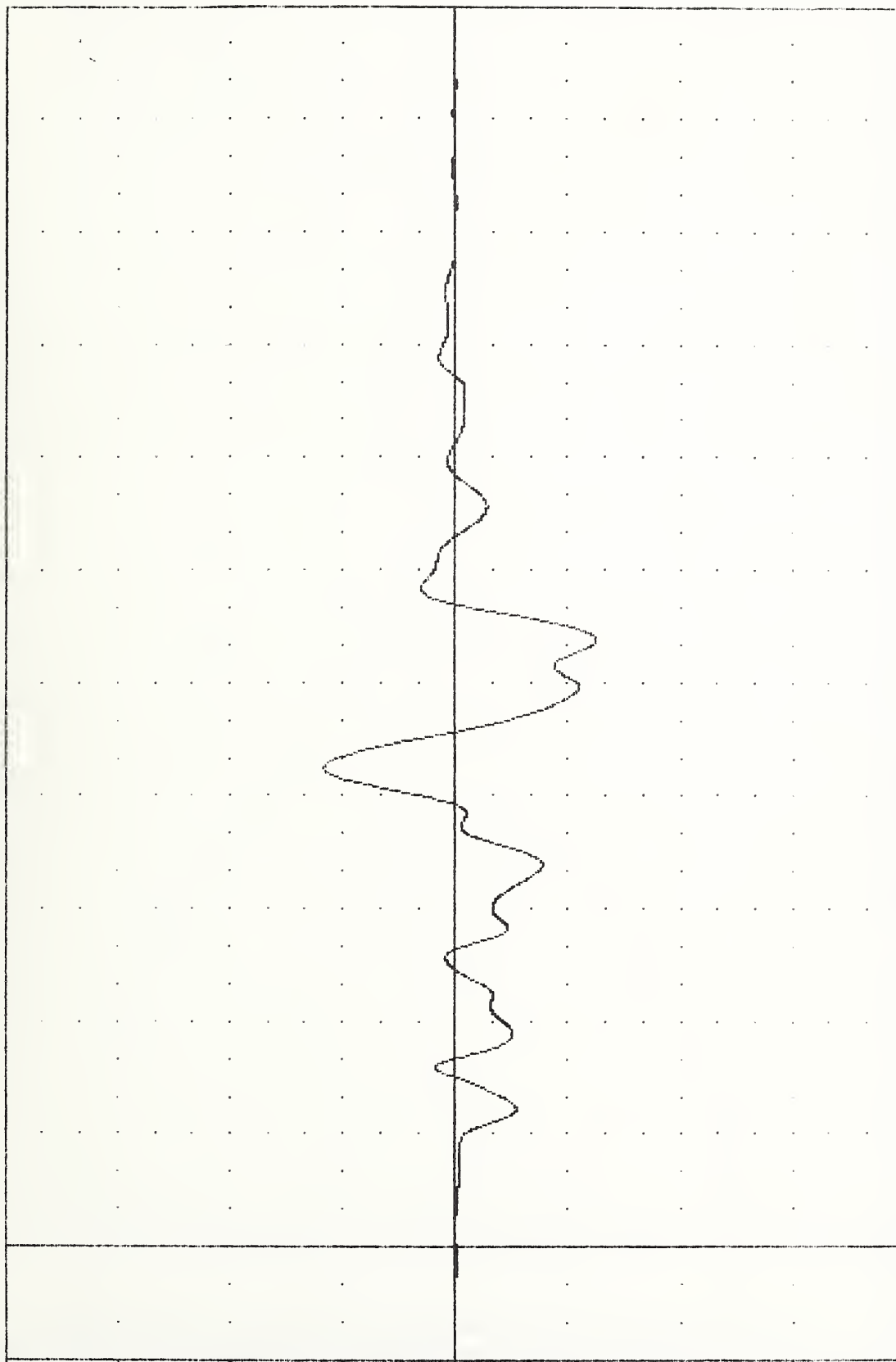
VRIC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
STHPC

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -62.64% 107.50, 58.21% 84.8%

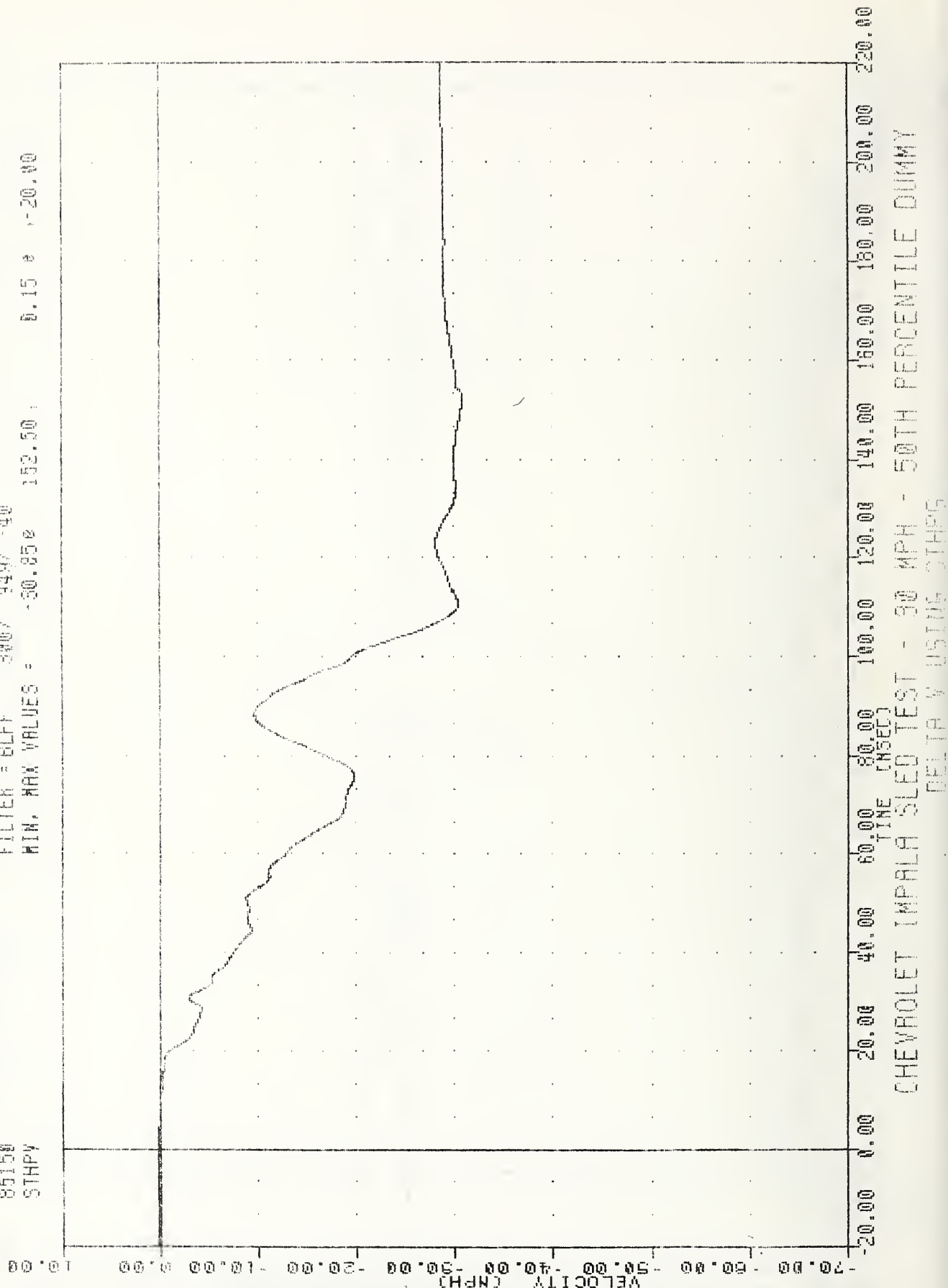
ACCELERATION (G)



TIME (MSEC)

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

VRTO . RD384-4-42 PLOT DATE 31-MAY-65 08:11:40
 BREED AIRBAG SLED PROGRAM
 85150
 STHPV
 FILTER = BLFF 300/ 949/ -40
 MIN, MAX VALUES = -50.850 152.50 0.15 0 -20.00

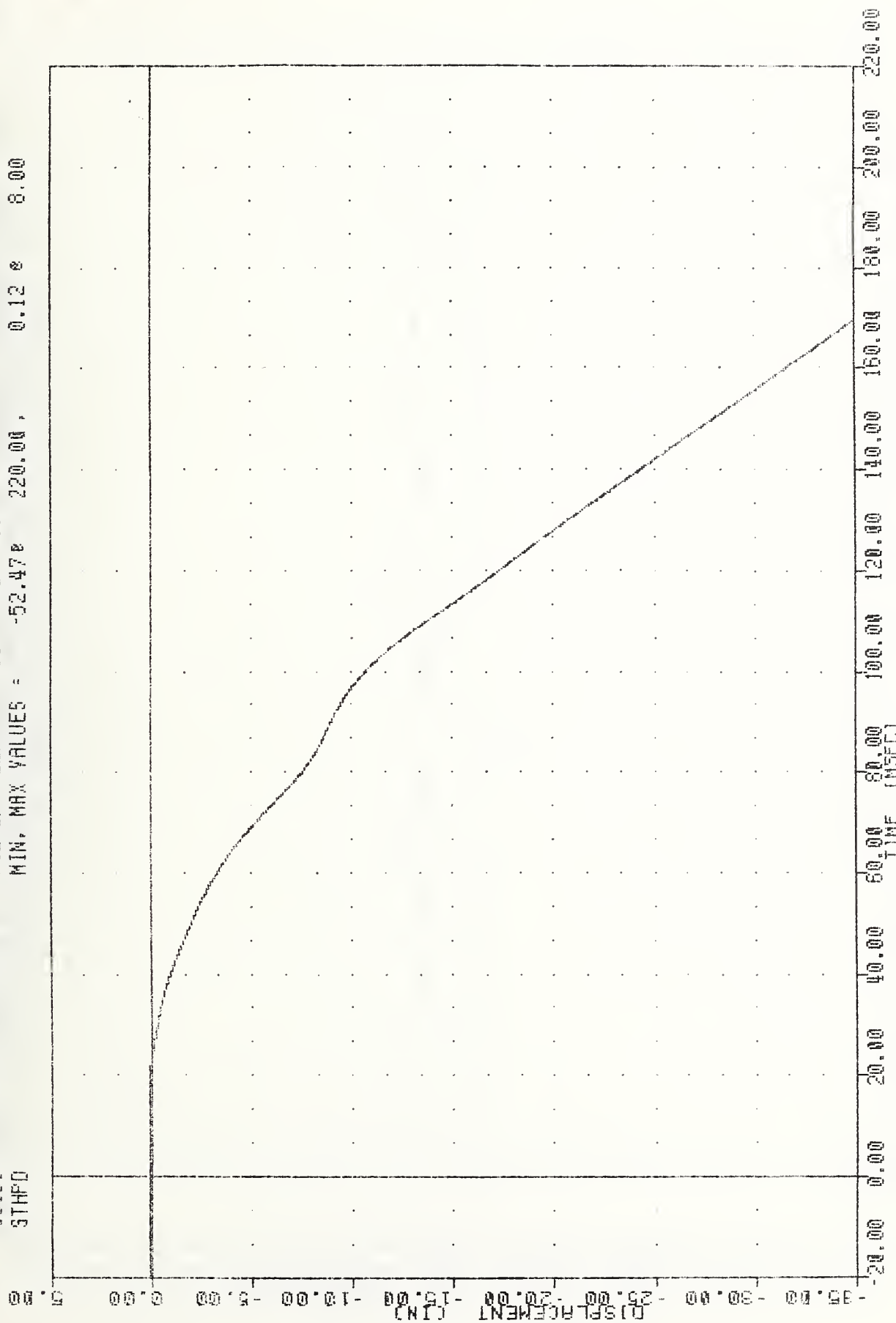


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING STHPG

VRTO , R0304-4-42
BREED AIRBAG SLED PROGRAM
85150
STHFD

PLOT DATE 31-MAY-85 08:11:08

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -52.47 220.00 , 0.12 8.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING STHFD

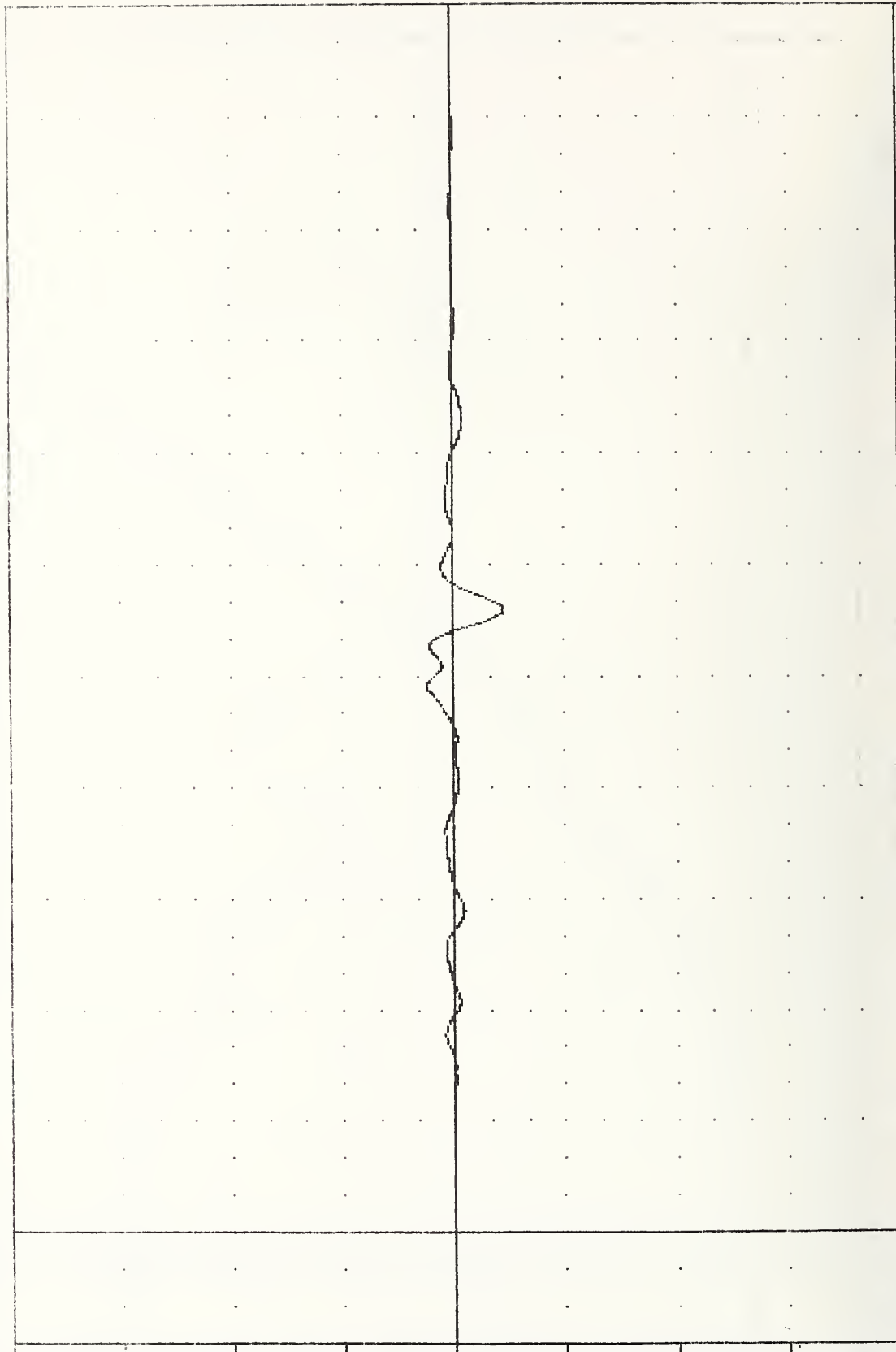
VRIC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
STHLG

PLOT DATE 31-MAR-85 08:09:19

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -22.12% 111.75% 11.94% 98.13

909
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

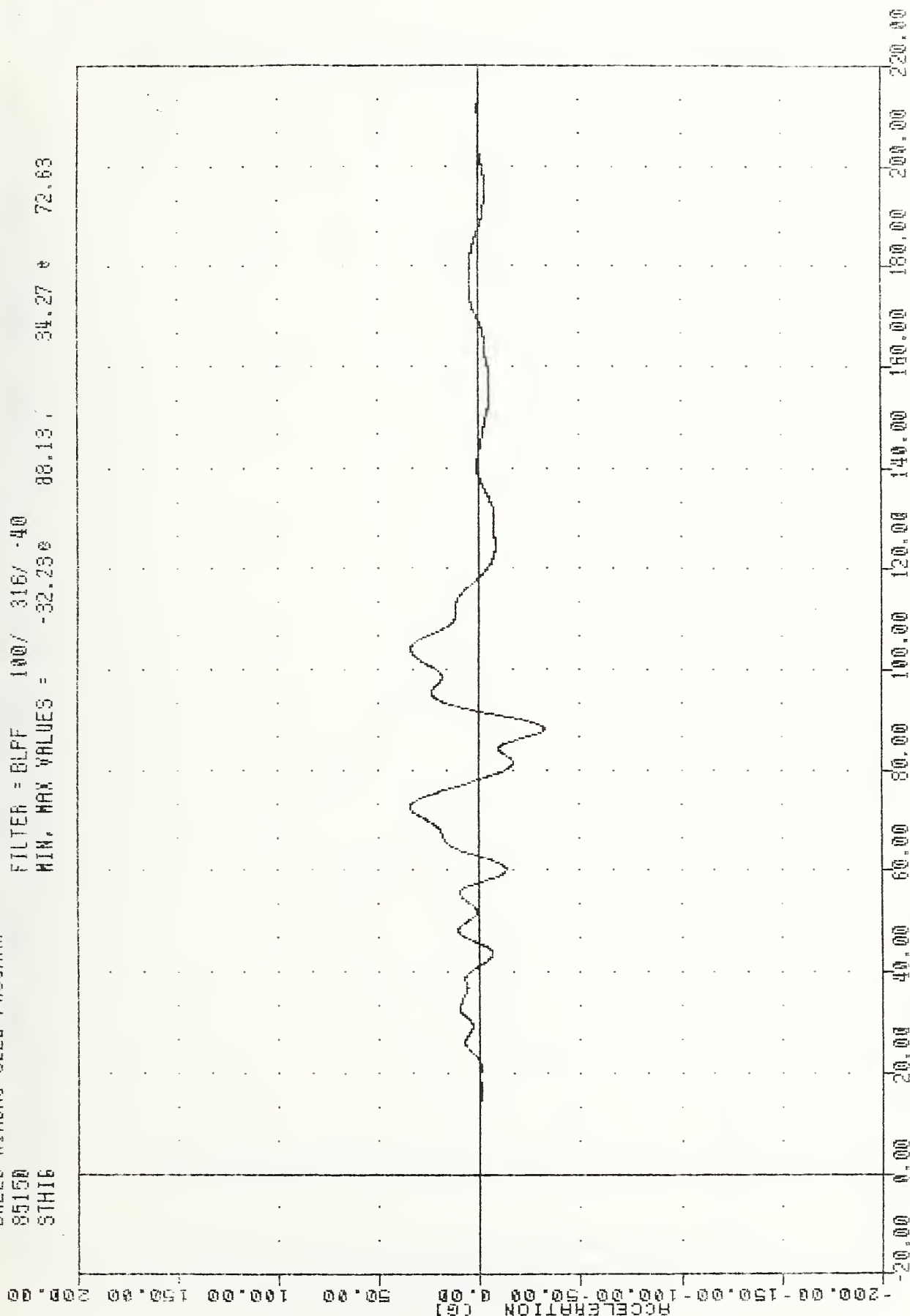
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION M-L AXIS

WATC
 BREED AIRBAG SLED PROGRAM
 85150
 5TH16

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 100/ 316/ -40

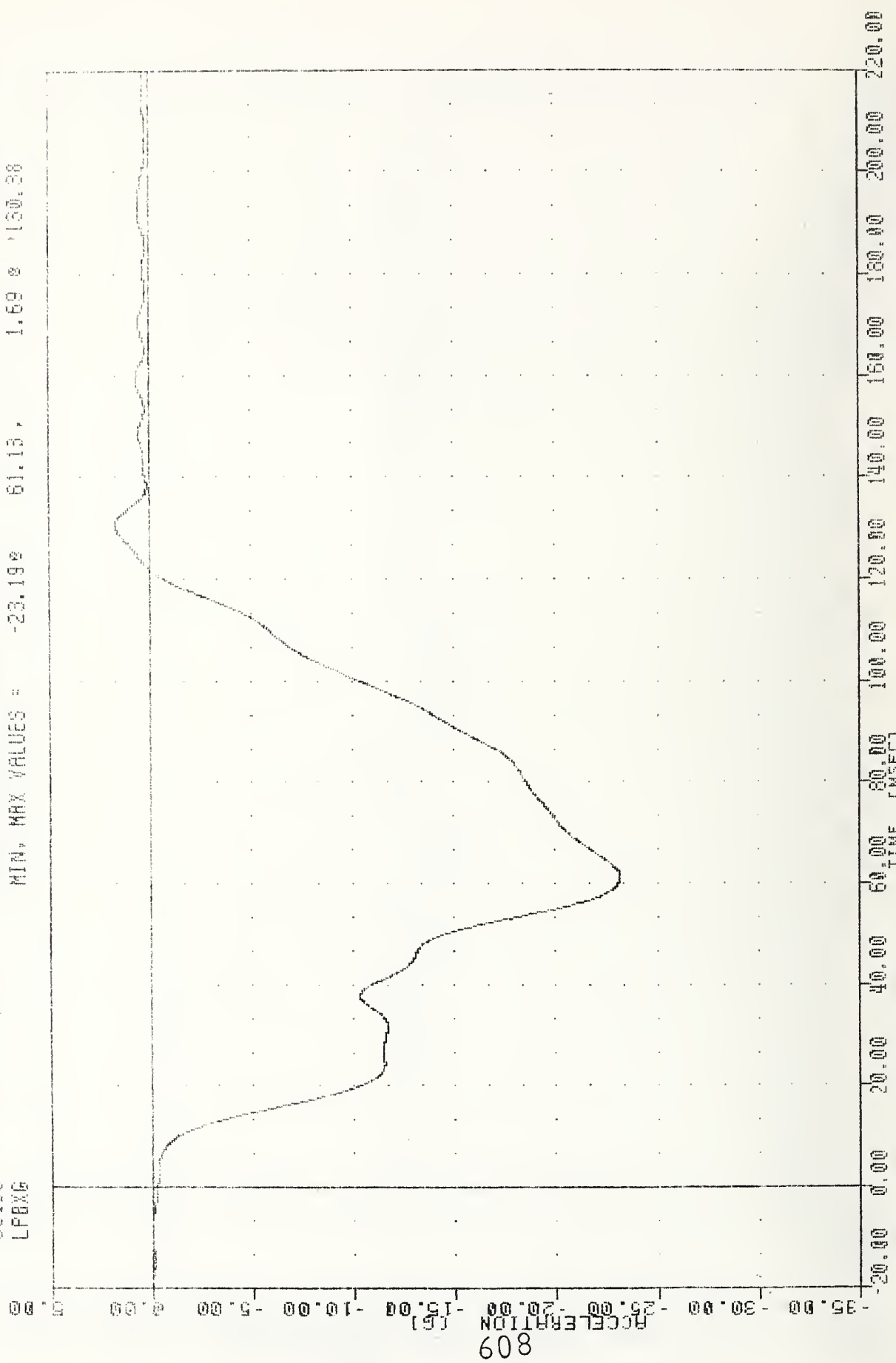
MIN, MAX VALUES = -32.236 88.137 34.27 72.63



CHEVROLET IMPALA SLED TEST - 80 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION (-Y AXIS)

VRIC , 80364-4-42
 BASED AIRBAG SLED PROGRAM
 85150
 LPBXG

PLOT DATE 31-MAY-85 06:09:15
 FILTER = 6LFF 100/ 316/ -40
 MIN, MAX VALUES = -23.19% 61.13, 1.69% 130.38



608

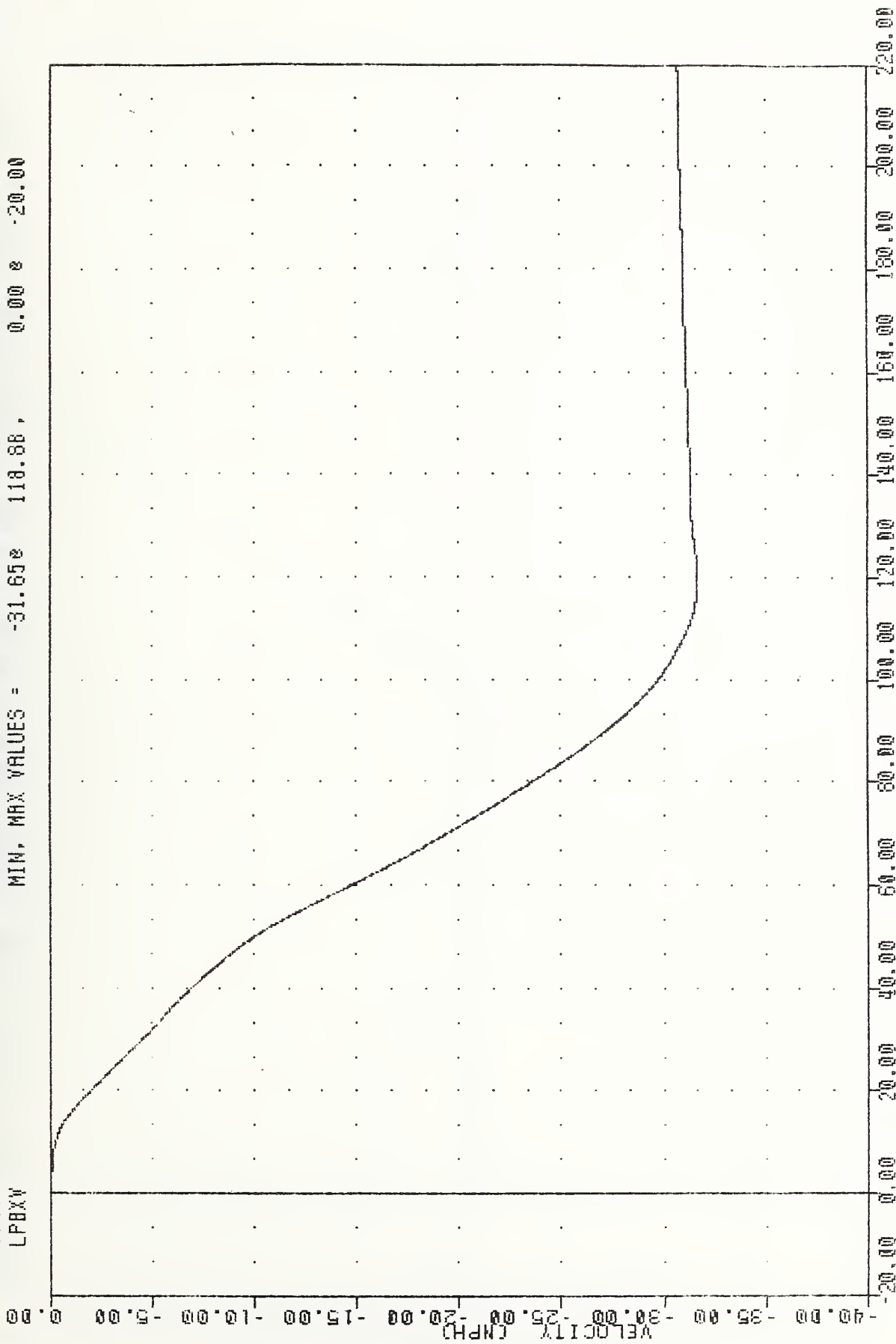
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 PTLER LEFT B ACCELERATION X AXIS

VRIC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 LPBXV

PLOT DATE 31-MAY-85 08:11:48

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -31.652 118.88, 0.00 8 -20.00



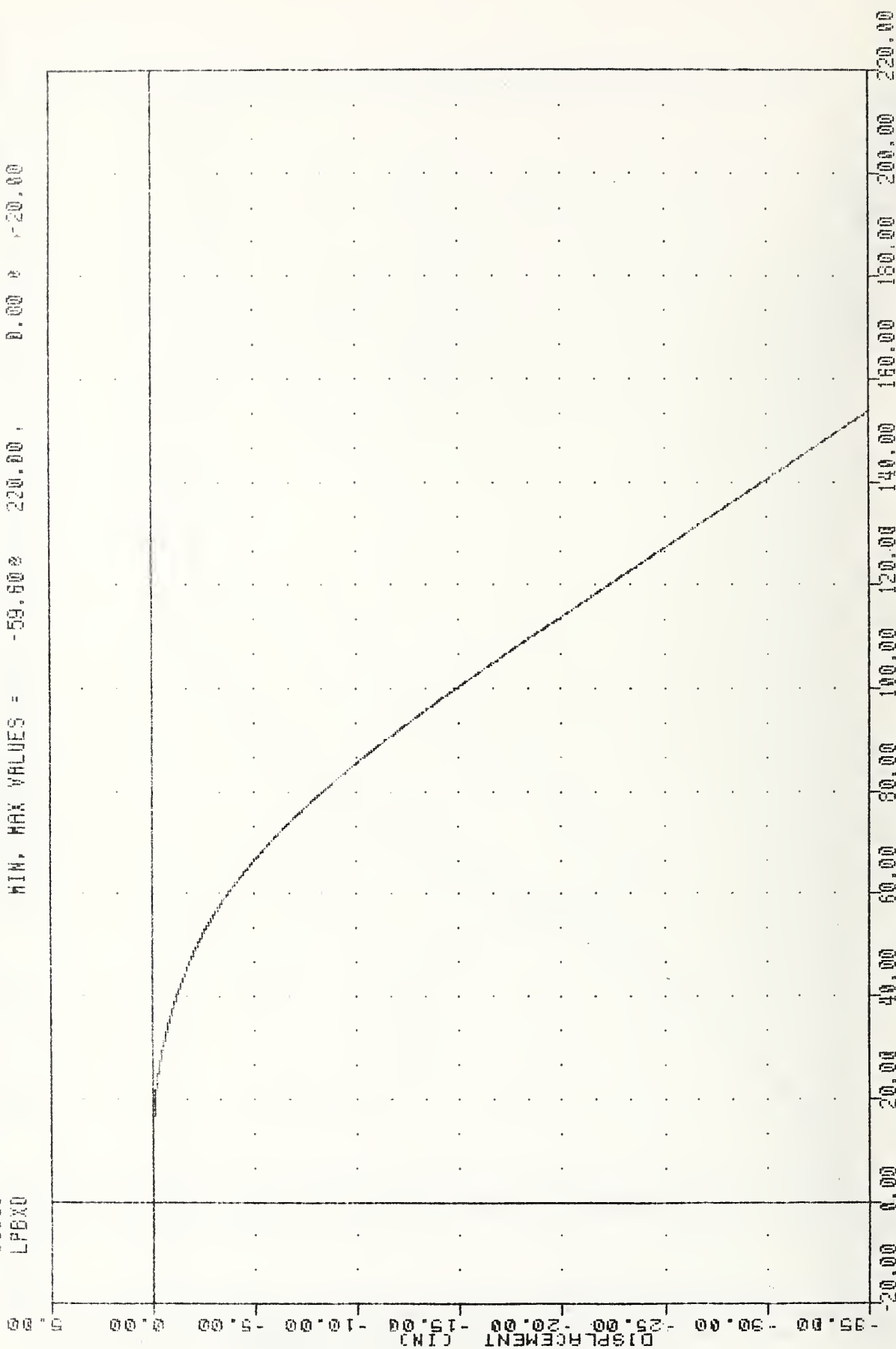
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING LPBXG

VATIC
 85150
 LPBX0
 85150
 GAEED AIRBAG SLED PROGRAM
 , RD284-4-42

PLOT DATE 31-MAY-85 08:11:45

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -59.60 220.00 0.00 20.00



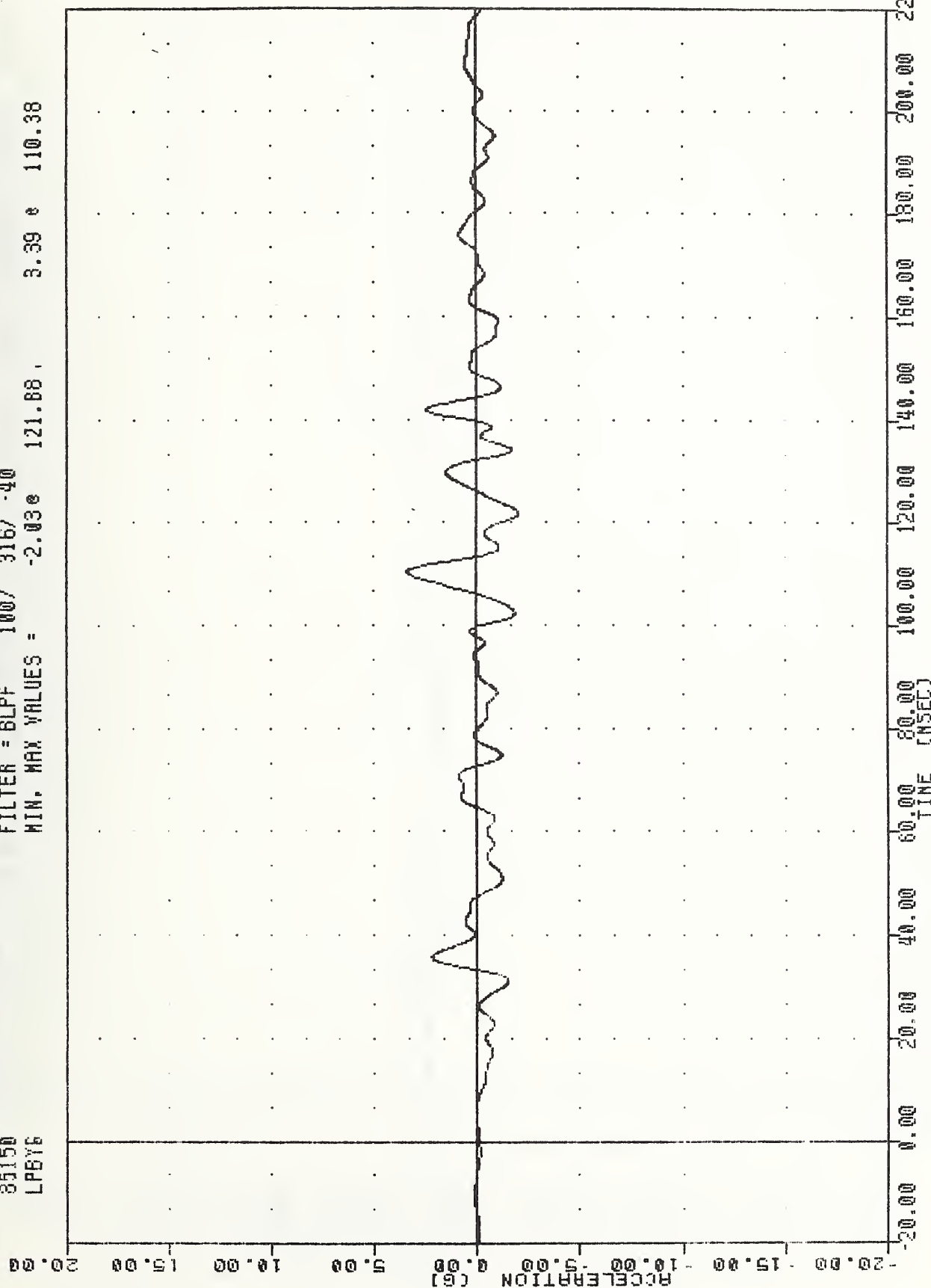
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING LPBXV

VRIC R0304-4-42
BASED ATASAS SLED PROGRAM
35150
LPBY6

PLOT DATE 31-MAY-85 03:09:19

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.03e 121.88 , 3.39 e 110.38



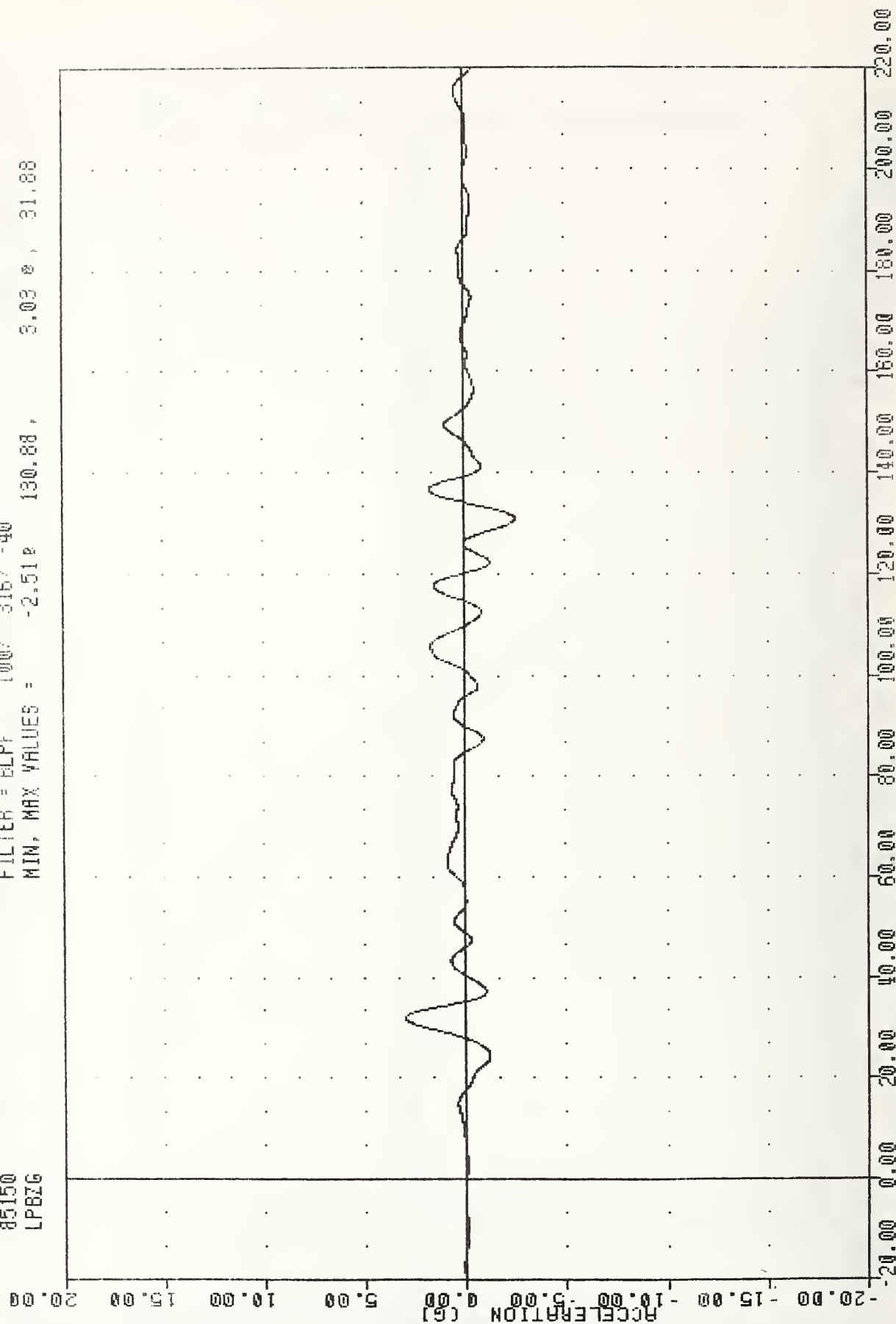
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION Y AXIS

VRIC , R0384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 LPBZG

PLOT DATE 31 MAY 65 08:09:19

FILTER = BLPF 100% 316/-40

MIN, MAX VALUES = -2.51e 130.88, 3.03 e, 31.88



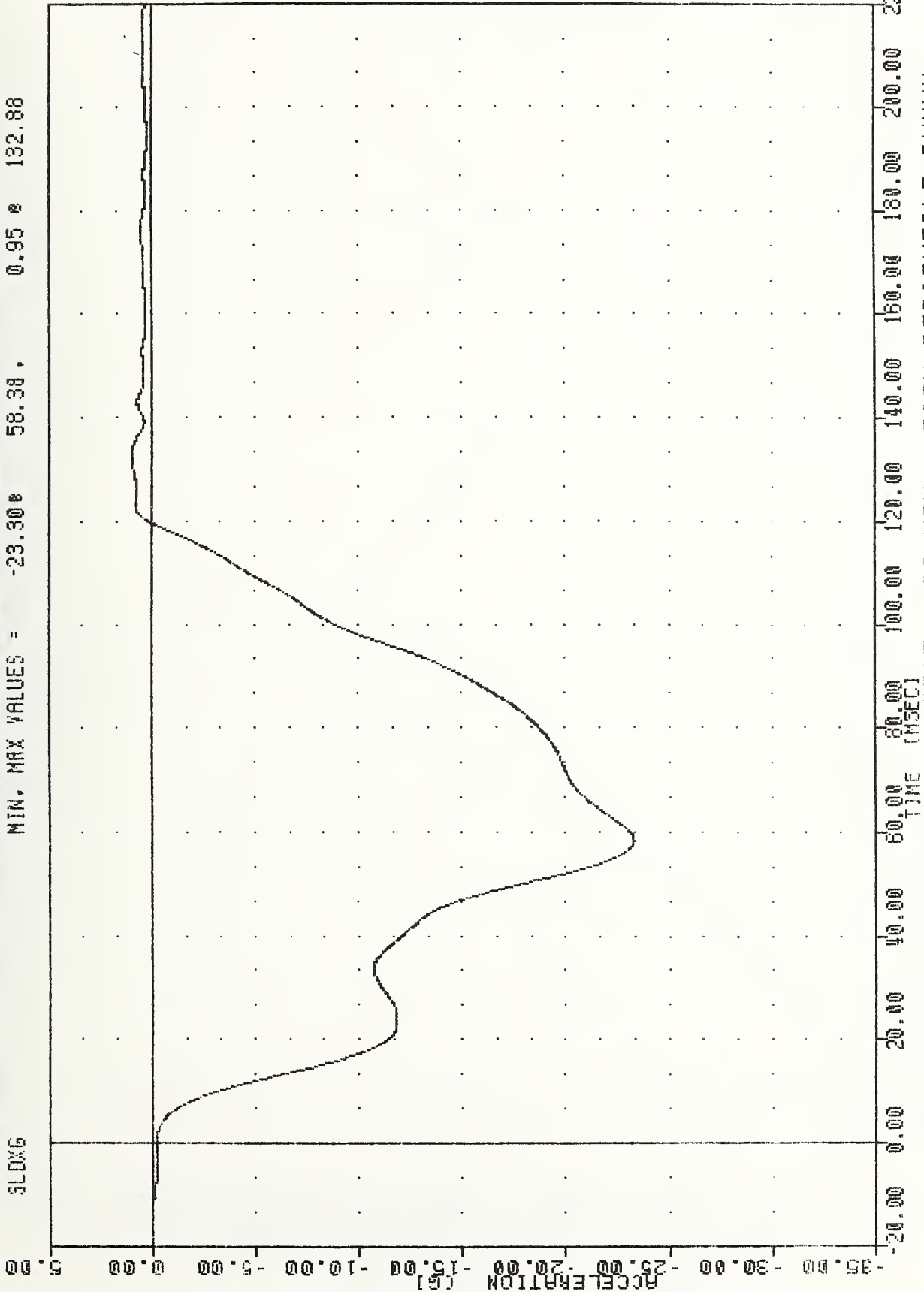
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 PILLAR LEFT 6 ACCELERATION Z AXIS

VRIC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
SLOXG

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -23.30% 58.38, 0.95% 132.88



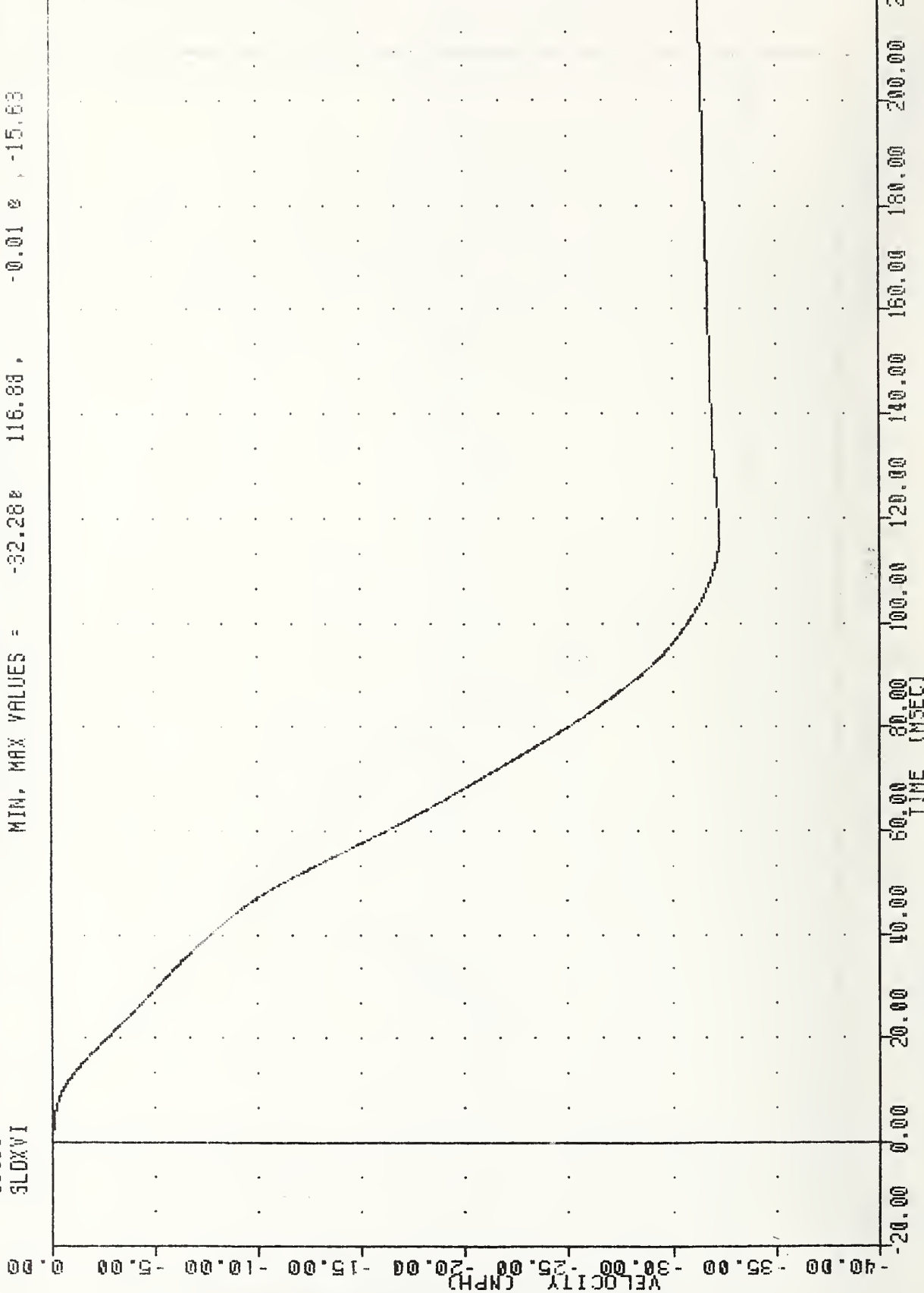
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRIC , R0384-4-42
BRAED AIRBAG SLED PROGRAM
85150
SLOXVI

PLOT DATE 31-MAY-85 08:11:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -32.28e 116.88 , -0.01 e , -15.63

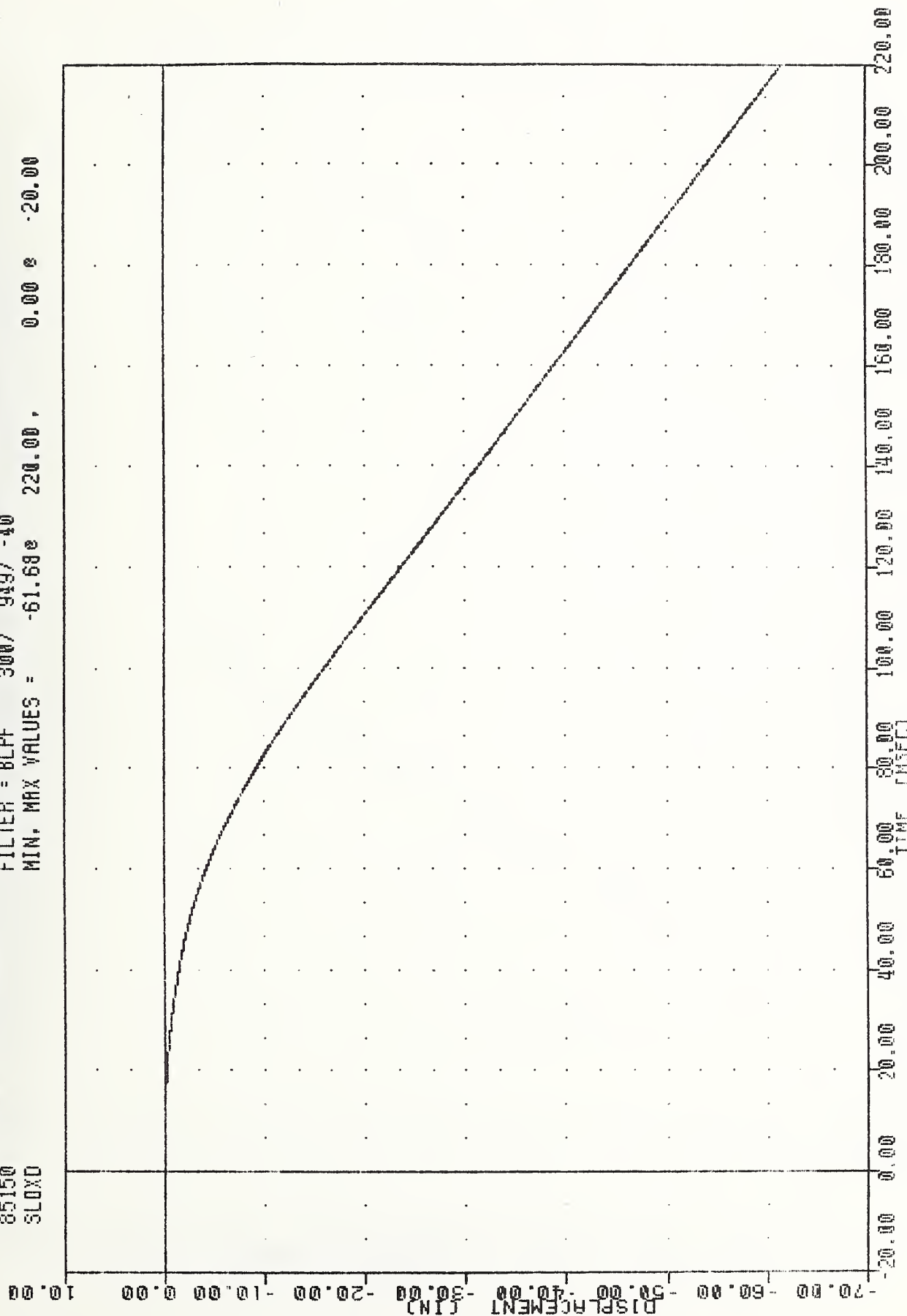


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (INTEGRATED)

VRTC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 SLOXD

PLOT DATE 31-MAY-85 08:11:48

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -61.68e 220.00 , 0.00 e -20.00



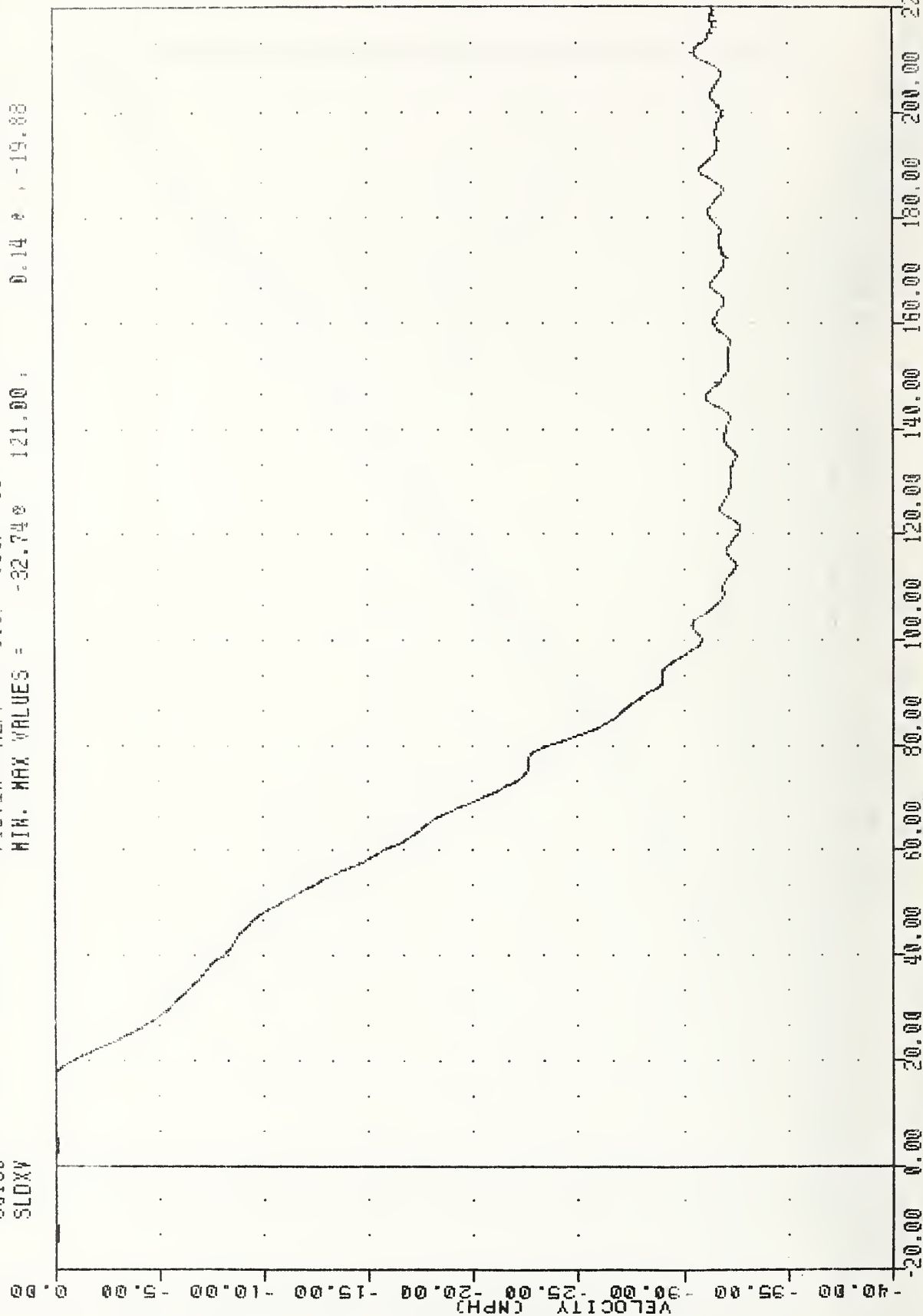
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING SLOWVI

WATC . RD384-4-42
BREED AIRBAG SLED PROGRAM
85150
SLOXY

PLOT DATE 31-MAY-85 08:09:12

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -32.74 121.00 0.14 0.19.88



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

VRIC 80304-4-42 PLOT DATE 31-MAY-85 08:09:19

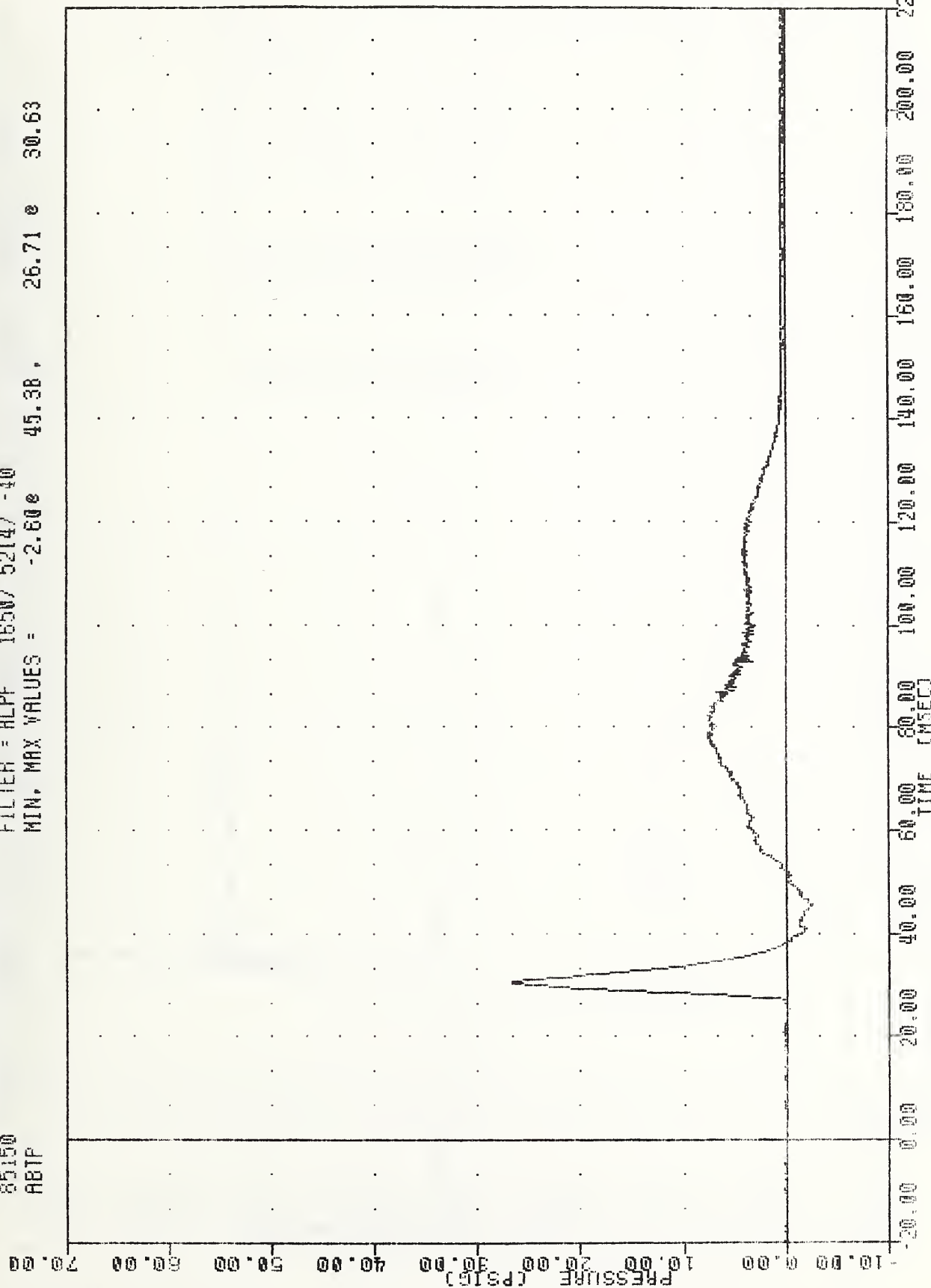
BAEED AIRBAG SLED PROGRAM

85150

ABTP

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.60e 45.38 . 26.71 e 30.63



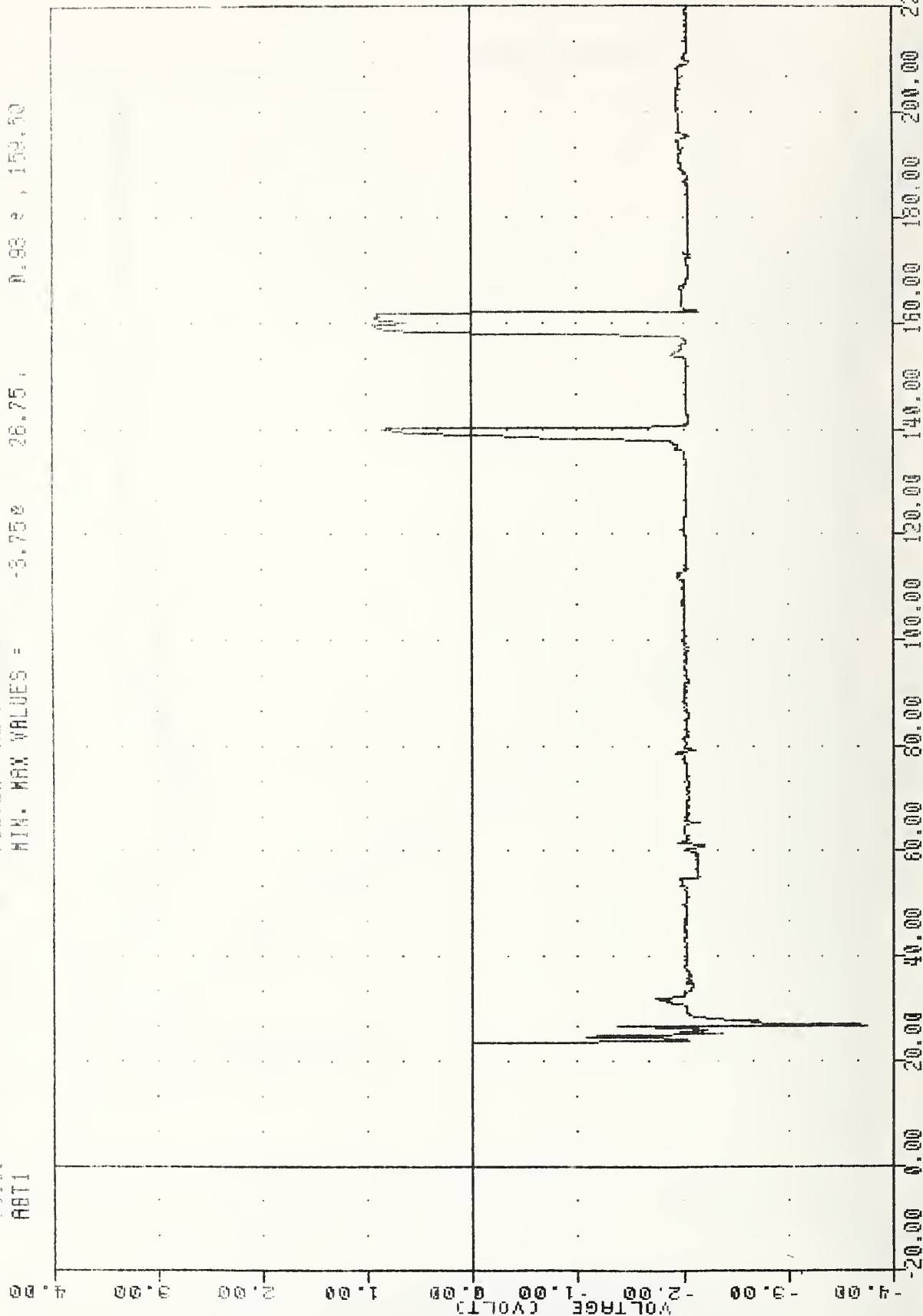
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
AIRBAG PRESSURE

VRTG , RD324-4-42
 BREED HIRBAS SLED PROGRAM
 85158
 RBT1

PLOT DATE 01 MAY 85 08:09.14

FILTER = ALPF 1630/ 5214/ -40

MIN. MAX VALUES = -3.750 26.75 0.00 150.50



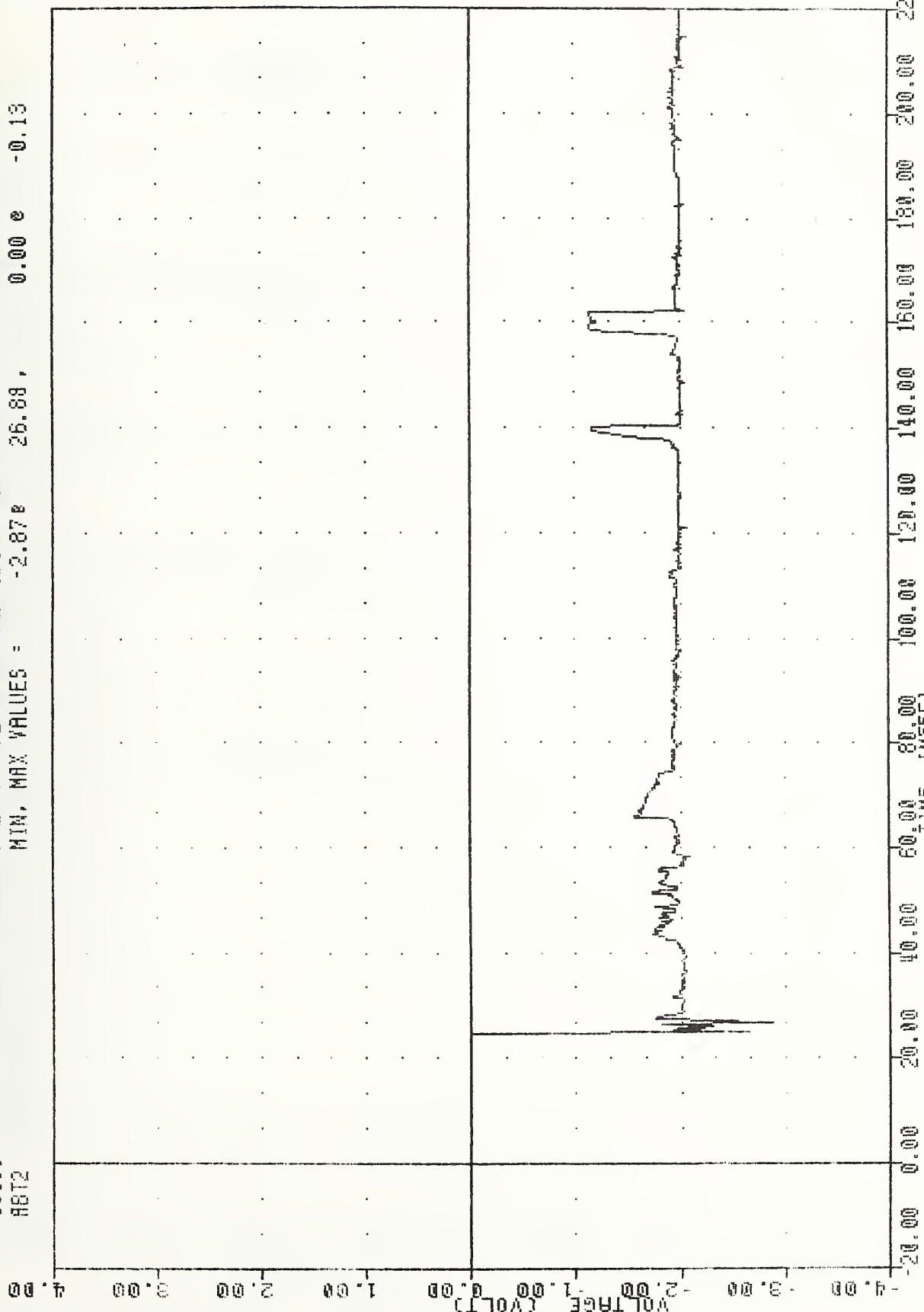
618

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 SENSOR BUANWIRE 1

VRTC
BREED AIRBAG SLED PROGRAM
85150
RBT2

PLOT DATE 31-MAY-85 08:09:19

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -2.87e 0.00 e -0.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SENSOR BURWIRE 2

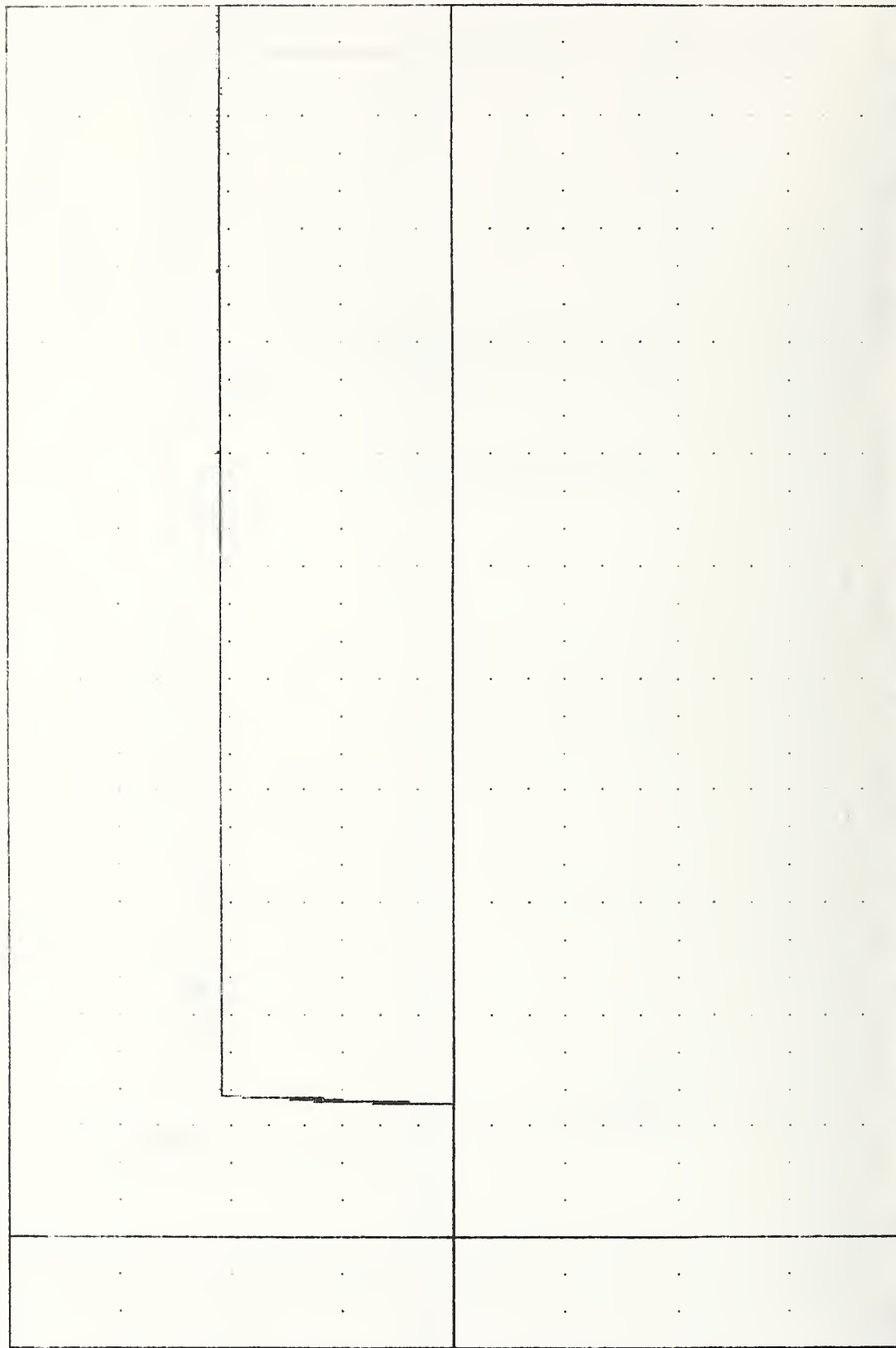
VRIC , R0384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 ABT3

PLOT DATE 31 MAY-85 00:09:19

FILTER = ALPF 1650 / 5214 / -40

MIN, MAX VALUES = 0.00e -20.00. 2.12 e' 140.25

VOLTAGE (VOLTS)



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

BREED B-PILLAR SENSOR

RD384-4-42

BRACED AIRBAG SLED PROGRAM

85150

ABT4

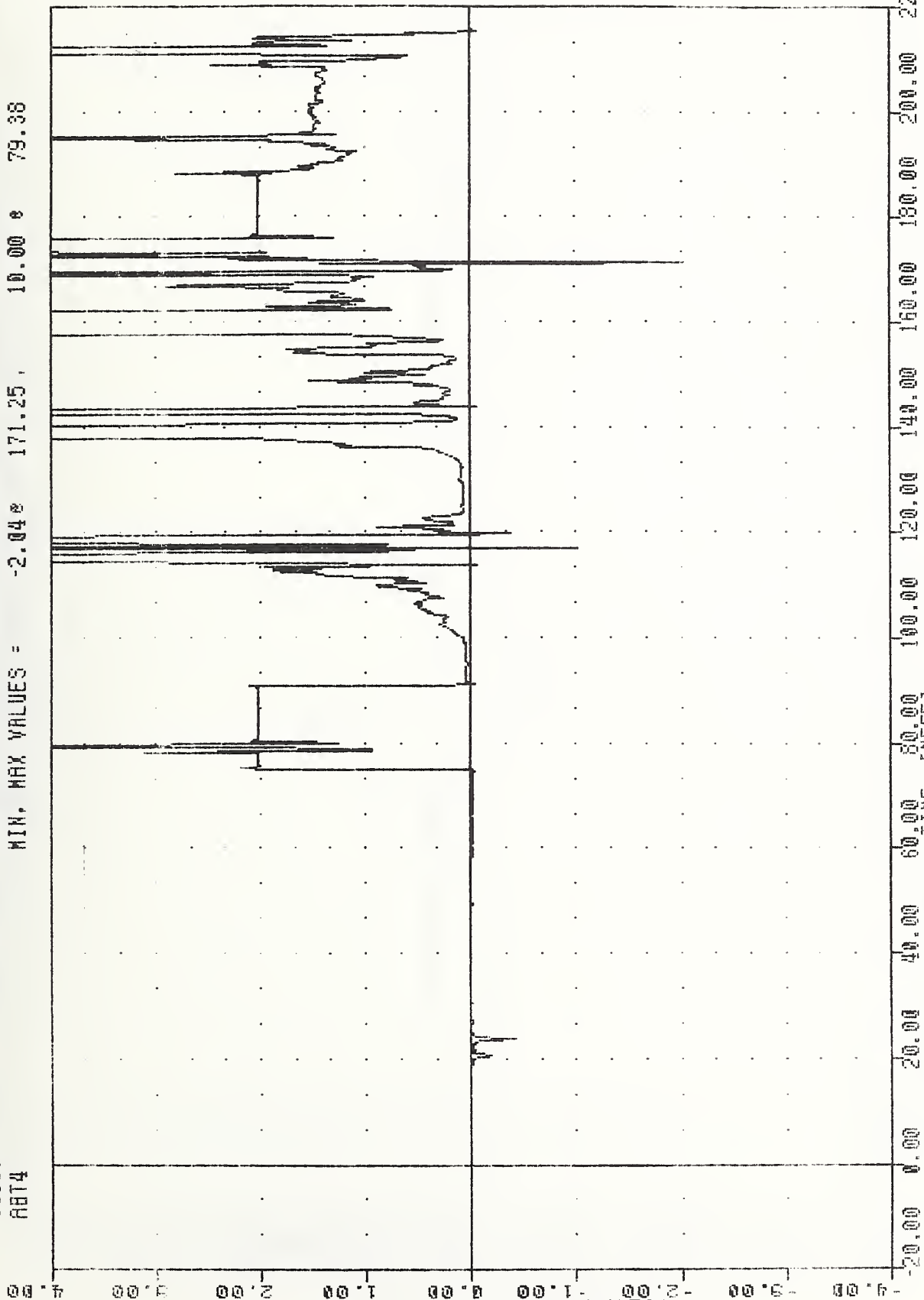
FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES =

-2.04 171.25

10.00 e

79.38

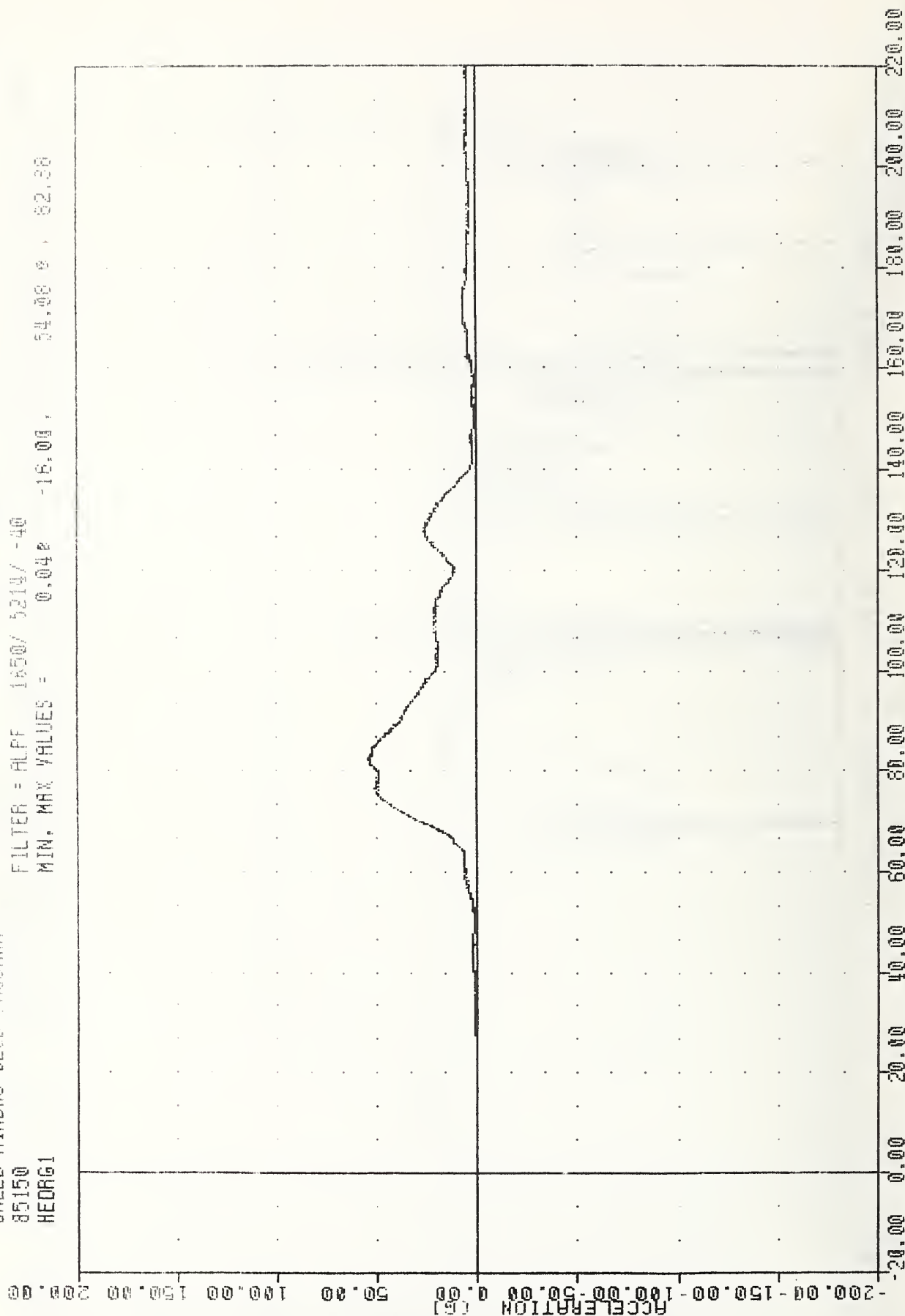


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

VRIC
BREED AIRBAG SLED PROGRAM
85150
HEORG1

PLOT DATE 31 MAR 87 09:10

FILTER = ALPF 1850/ 5214/ -40
MIN, MAX VALUES = 0.042 -16.00, 54.08 2, 62.30



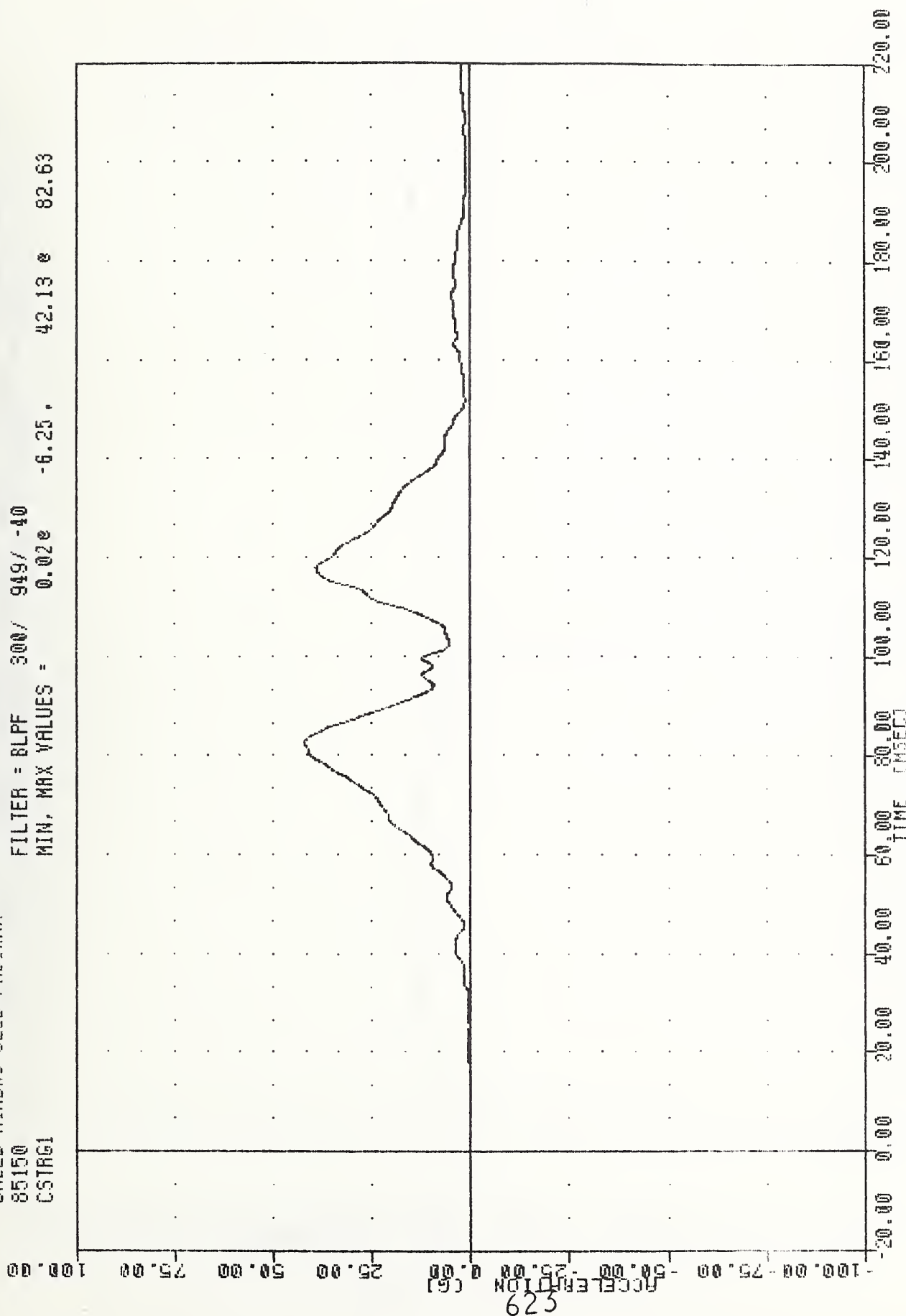
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

VRIC , RD384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 CSTRG1

PLOT DATE 31-MAY-85 00:12:28

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.02e -6.25 , 42.13 e 82.63



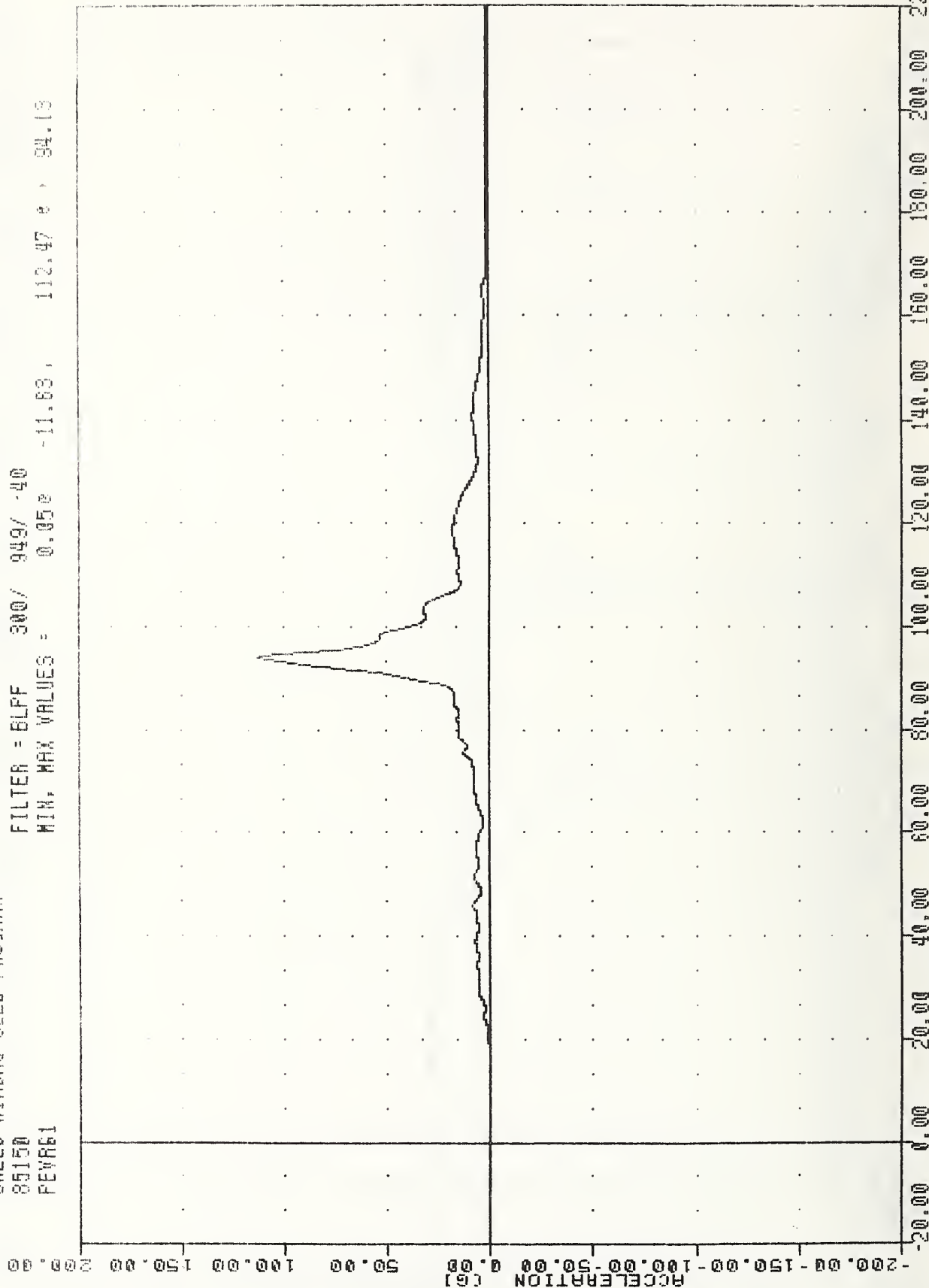
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER CHEST RESULTANT

VRTC , 80384-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 PEVR61

PLOT DATE 31-MAY-85 08:12:28

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.050 -11.83, 112.47 g , 94.13



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

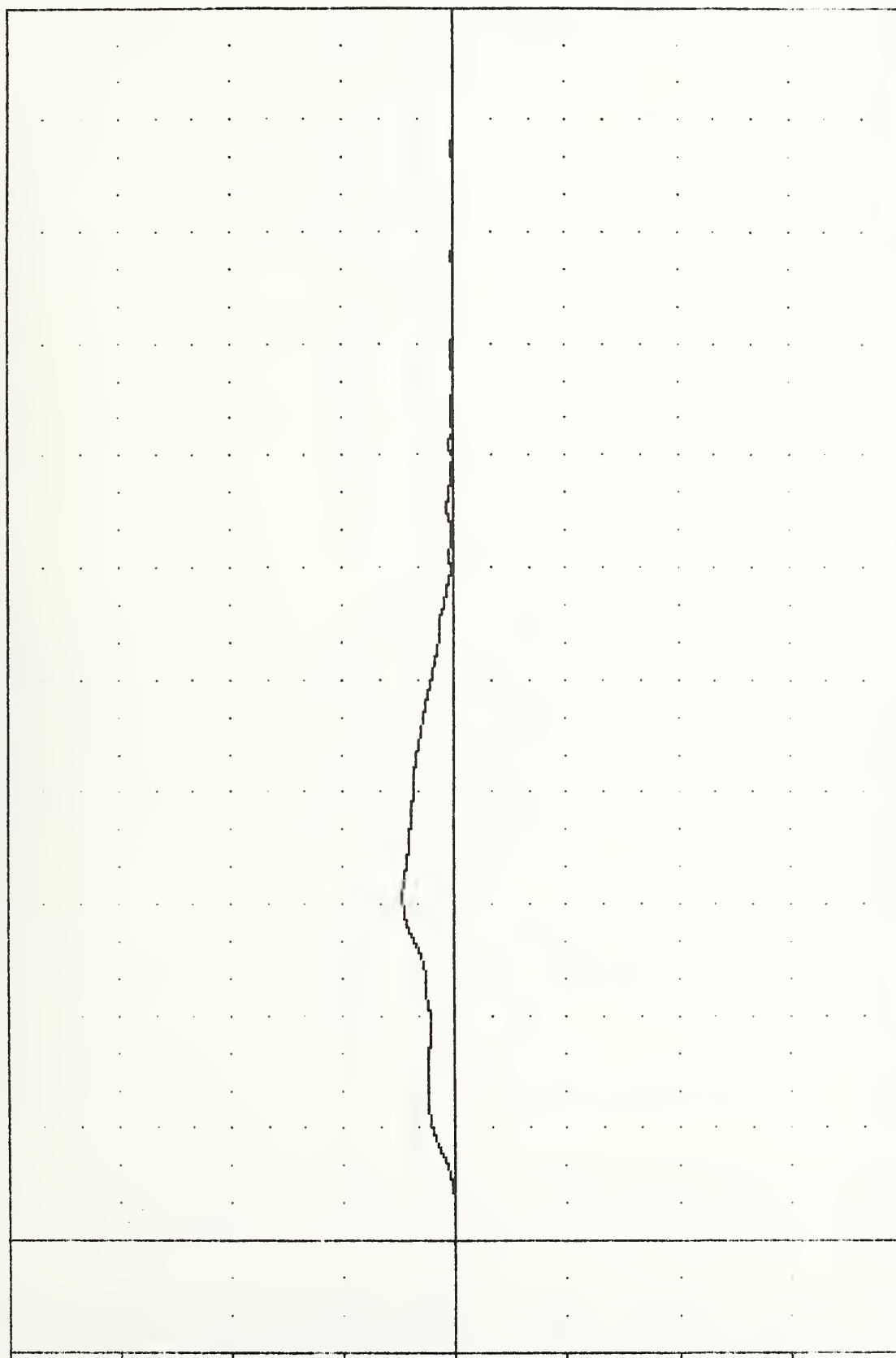
VRIC , RD384-4-42
BREC AIRBRG SLED PROGRAM
85150
LPBRG

PLOT DATE 31-MAY-85 08:12:28

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.03e -6.75, 23.21 e 61.25

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PIUAB LEFT 3 RESULTANT

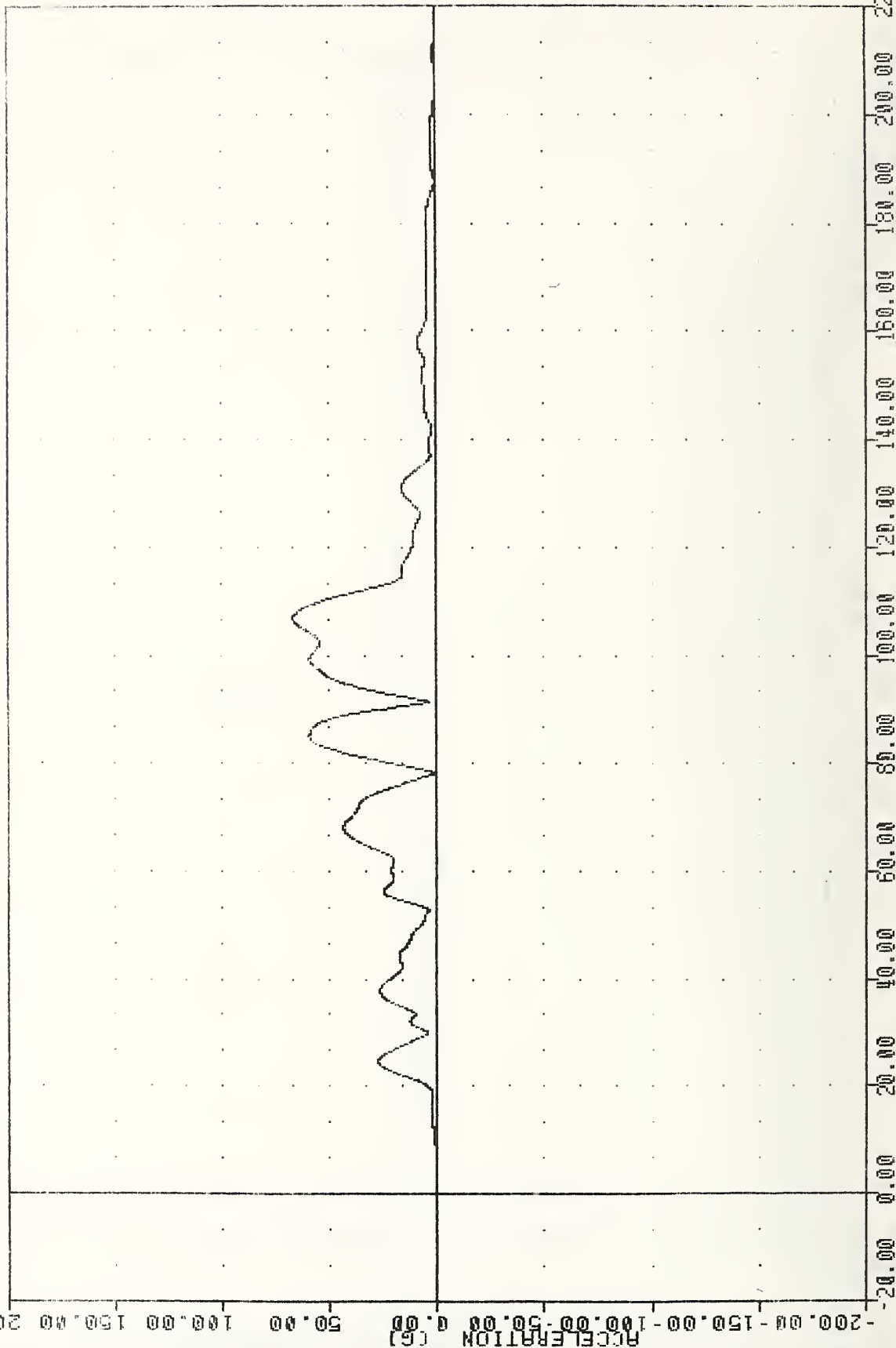
VRIC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
STRG

PLOT DATE 31-MAY-85 06:12:28

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.052 -19.38, 66.86 2, 106.75

ACCELERATION (G)



626

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

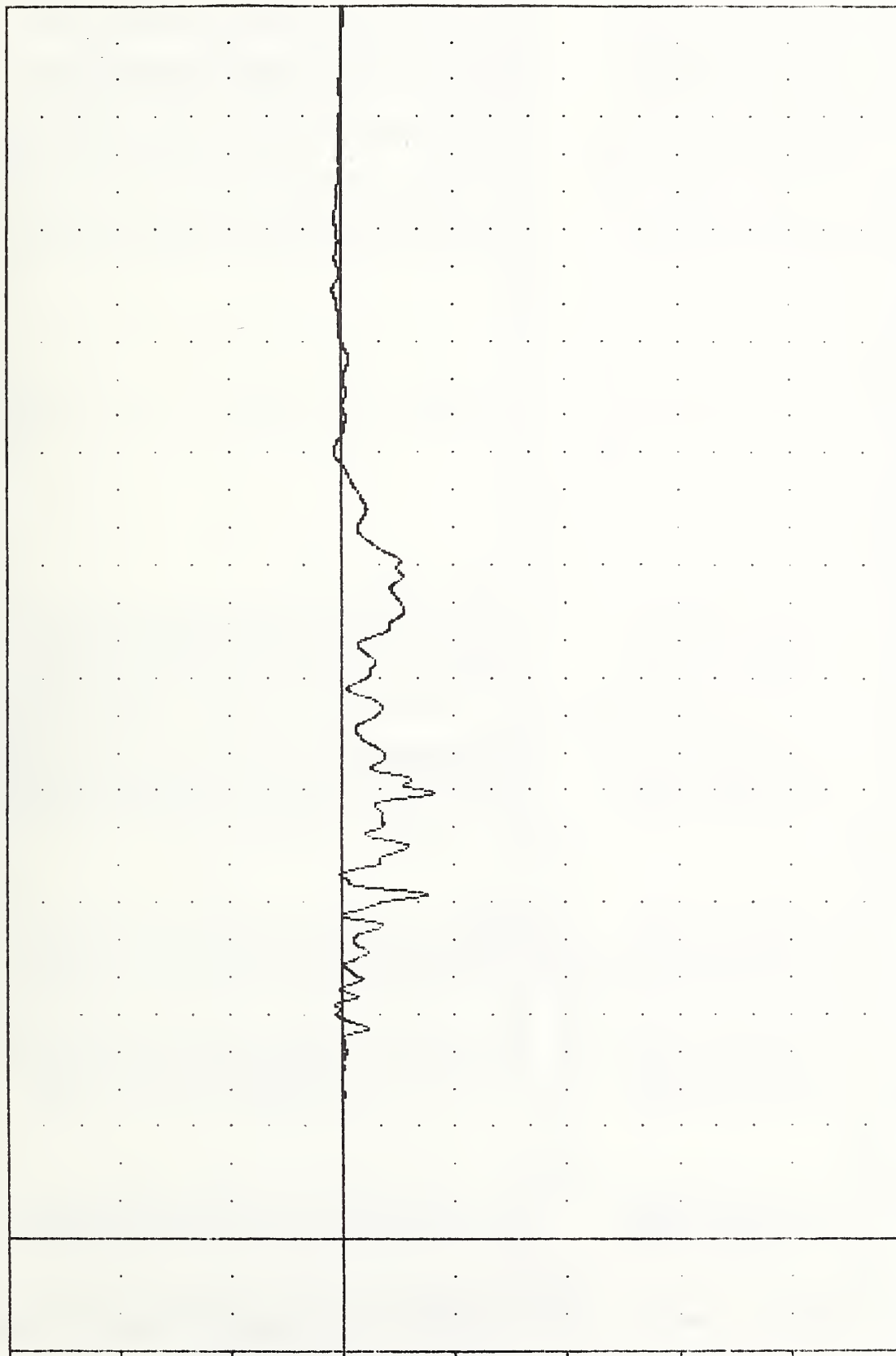
VRIC , R0384-4-42
BREED AIRBAG SLED PROGRAM
85150
USTXG1

PLOT DATE 31-MAY-85 08:09:19

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -65.58e 79.38e 6.30e 169.13

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

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

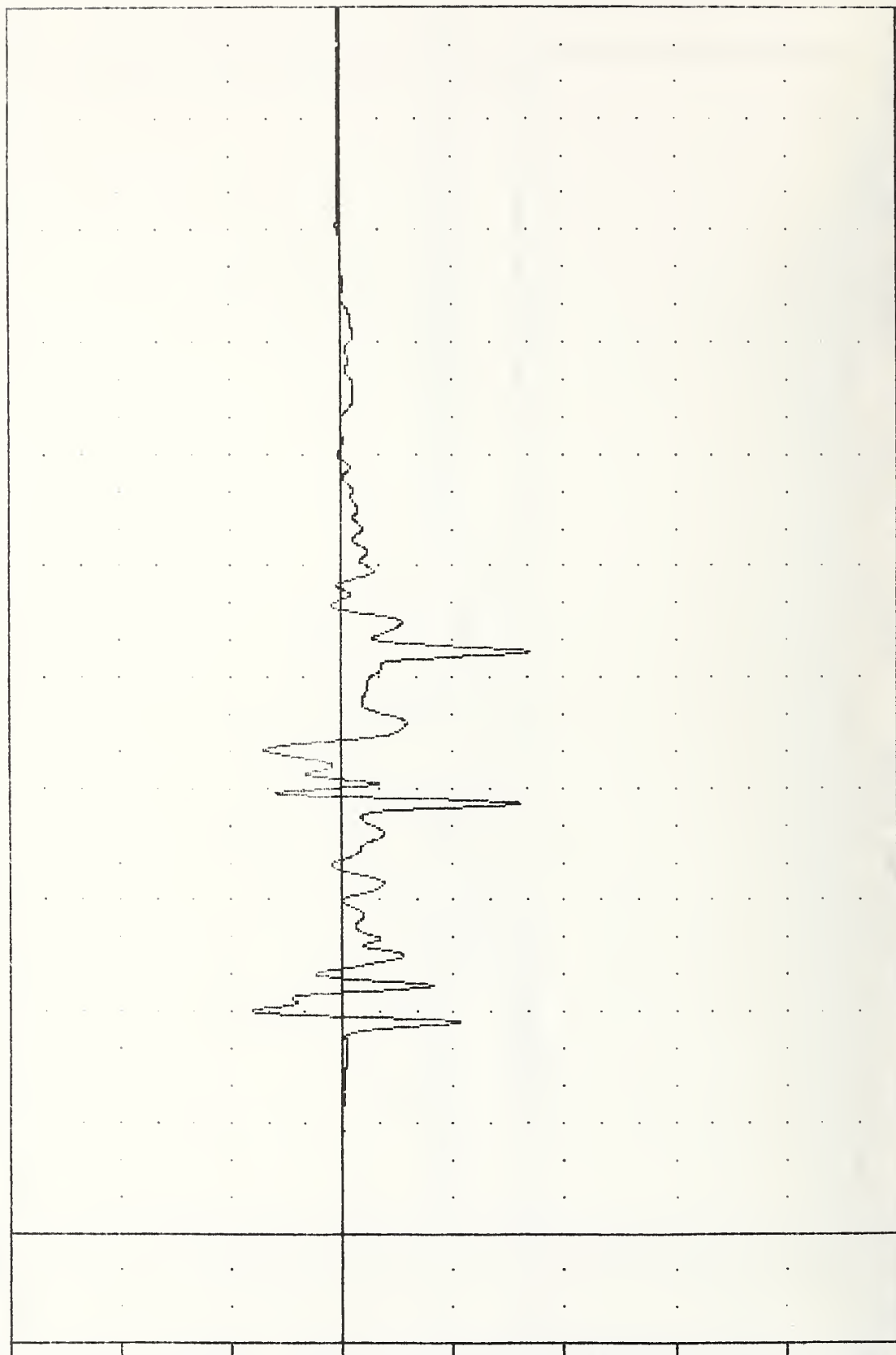
VRIC , R0304-4-42
 BREED AIRBAG SLED PROGRAM
 85150
 LSTX61

PLOT DATE 01 MAY 85 08:05:19

FILTER = BLFF 300 / 949 / -40

MIN, MAX VALUES = -135.68 104.50 65.14 40.13

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

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

TRC450P. RAD; 1

RD384-4-43 BREED AIRBAG SLED PROGRAM

31-MAY-85 13:26

VRTC

85151

30.00 mph

		Min value	Max value	Data Units	Filter
1	EVENT	0.049 @	1.601 @	volt	ALPF 1650/ 5214/ -40
2	SLDXV	-32.722 @	0.144 @	mph	ALPF 100/ 316/ -40
3	SLDXG	-23.296 @	0.682 @	g	BLPF 100/ 316/ -40
4	HEDXG1	-71.124 @	18.930 @	g	ALPF 1650/ 5214/ -40
5	HEDVG1	-4.236 @	3.599 @	g	ALPF 1650/ 5214/ -40
6	HEDZG1	-23.133 @	47.495 @	g	ALPF 1650/ 5214/ -40
7	CSTXG1	-52.713 @	5.871 @	g	BLPF 300/ 949/ -40
8	CSTVG1	-7.966 @	4.697 @	g	BLPF 300/ 949/ -40
9	CSTZG1	-15.471 @	10.036 @	g	BLPF 300/ 949/ -40
10	USTXG1	-77.683 @	12.314 @	g	BLPF 300/ 949/ -40
11	LSTXG1	-42.051 @	13.510 @	g	BLPF 300/ 949/ -40
12	PEVXG1	-25.309 @	10.209 @	g	BLPF 300/ 949/ -40
13	PEVVG1	-3.181 @	11.020 @	g	BLPF 300/ 949/ -40
14	PEVZG1	-33.125 @	4.304 @	g	BLPF 300/ 949/ -40
15	LFMF1	-300.534 @	182.113 @	lb	BLPF 1000/ 3162/ -40
16	RFMF1	-429.238 @	266.677 @	lb	BLPF 1000/ 3162/ -40
17	STHPG	-59.263 @	27.495 @	g	BLPF 100/ 316/ -40
18	STHLG	-12.243 @	20.986 @	g	BLPF 100/ 316/ -40
19	STHIG	-19.860 @	37.978 @	g	BLPF 100/ 316/ -40
20	LPBVG	-23.071 @	0.865 @	g	BLPF 100/ 316/ -40
21	LPBVG	-1.556 @	2.167 @	g	BLPF 100/ 316/ -40
22	LPBVG	-1.491 @	2.467 @	g	BLPF 100/ 316/ -40
23	SHBF1	-0.168 @	1366.467 @	lb	BLPF 100/ 316/ -40
24	LBDF1	-0.786 @	1460.379 @	lb	BLPF 100/ 316/ -40
25	ABTP	-2.628 @	22.148 @	psig	ALPF 1650/ 5214/ -40
26	ABT1	-3.136 @	0.003 @	volt	ALPF 1650/ 5214/ -40
27	ABT2	-3.016 @	0.001 @	volt	ALPF 1650/ 5214/ -40
28	ABT3	-0.002 @	2.112 @	volt	ALPF 1650/ 5214/ -40
29	ABT4	-0.189 @	2.187 @	volt	ALPF 1650/ 5214/ -40

TRC450IP. RAD; 1

RD384-4-43 BREED AIRBAG SLED PROGRAM

31-MAY-85 13:26

VRTC

85151

30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDXV1	-43.669 @	0.005 @	mph	BLPF 300/ 949/ -40
2	HEDXD1	-64.499 @	-0.150 @	in	BLPF 300/ 949/ -40
3	CSTXV1	-38.731 @	0.047 @	mph	BLPF 300/ 949/ -40
4	CSTXD1	-63.204 @	0.031 @	in	BLPF 300/ 949/ -40
5	PEVXV1	-22.901 @	0.249 @	mph	BLPF 300/ 949/ -40
6	PEVXD1	-34.520 @	0.239 @	in	BLPF 300/ 949/ -40
7	SLDXV1	-32.321 @	0.000 @	mph	BLPF 300/ 949/ -40
8	SLDXD	-61.883 @	0.000 @	in	BLPF 300/ 949/ -40
9	STHPD	-31.522 @	0.177 @	mph	BLPF 300/ 949/ -40
10	STHPD	-52.687 @	0.127 @	in	BLPF 300/ 949/ -40
11	LPBXV	-31.568 @	0.119 @	mph	BLPF 300/ 949/ -40
12	LPBXD	-59.307 @	0.092 @	in	BLPF 300/ 949/ -40

TRC450RP. RAD; 1

RD384-4-43 BREED AIRBAG SLED PROGRAM

31-MAY-85 13:26

VRTC

85151

30.00 mph

		Min value	Max value	Data Units	Filter
1	HEDRG1	0.024 @	83.986 @	g	ALPF 1650/ 5214/ -40
2	CSTRG1	0.034 @	53.073 @	g	BLPF 300/ 949/ -40
3	PEVRG1	0.062 @	41.372 @	g	BLPF 300/ 949/ -40
4	STHRG	0.114 @	63.480 @	g	BLPF 100/ 316/ -40
5	LPBRG	0.066 @	23.075 @	g	BLPF 100/ 316/ -40

HIC -- Head Injury Criterion computed from a single channel

TRC450RP.RAD;1
VRTC RD384-4-43 BREED AIRBAG SLED PROGRAM
85151 30.00 mph

* * * HIC computation for HEDRG1 31-MAY-85 13:28
Using time range = 0.000 to 220.000 msec Peak accel = 83.99 @ 79.750

HIC = 761.67 Interval from 70.875 [728] to 92.375 [900]

HIC = 686.74 Interval from 73.375 [748] to 88.375 [868]

R SYSF:THREEMS
*** Three ms clip program for chest resultant channel ***

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

Enter input filespec -> TRC450RP

File TRC450RP -> 5 data channels from -20.000 to 220.000 msec
Reference channel length = 1921, Deltax = 0.125000
VRTC RD384-4-43 BREED AIRBAG SLED PROGRAM 30.00 mph
HEDRG1 CSTRG1 PEVRG1 STHRG LPBRG

Enter channel name -> CSTRG1

[SLED.BREED]TRC450RP.RAD;1 VRTC RD384-4-43
BREED AIRBAG SLED PROGRAM 30.0 mph 85151 31-MAY-85 13:40:36
Deltax: 0.125

3 MS CLIP PEAK: 52.46837

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 , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
EVENT

PLOT DATE 7-JUN-85 08:57:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.058 56.88 1.60 e -19.75

4.00

3.00

2.00

1.00

0.00

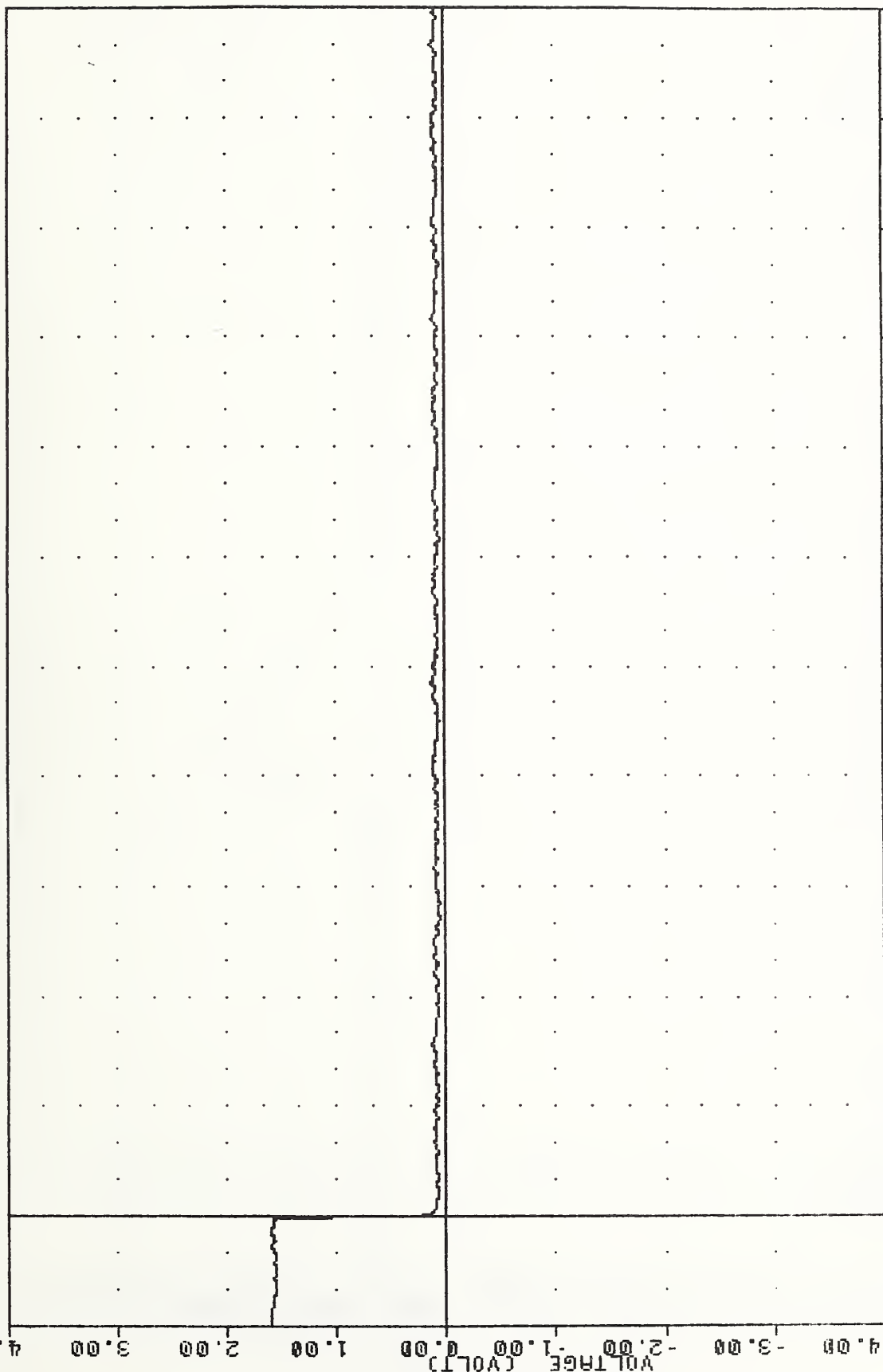
631

-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

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

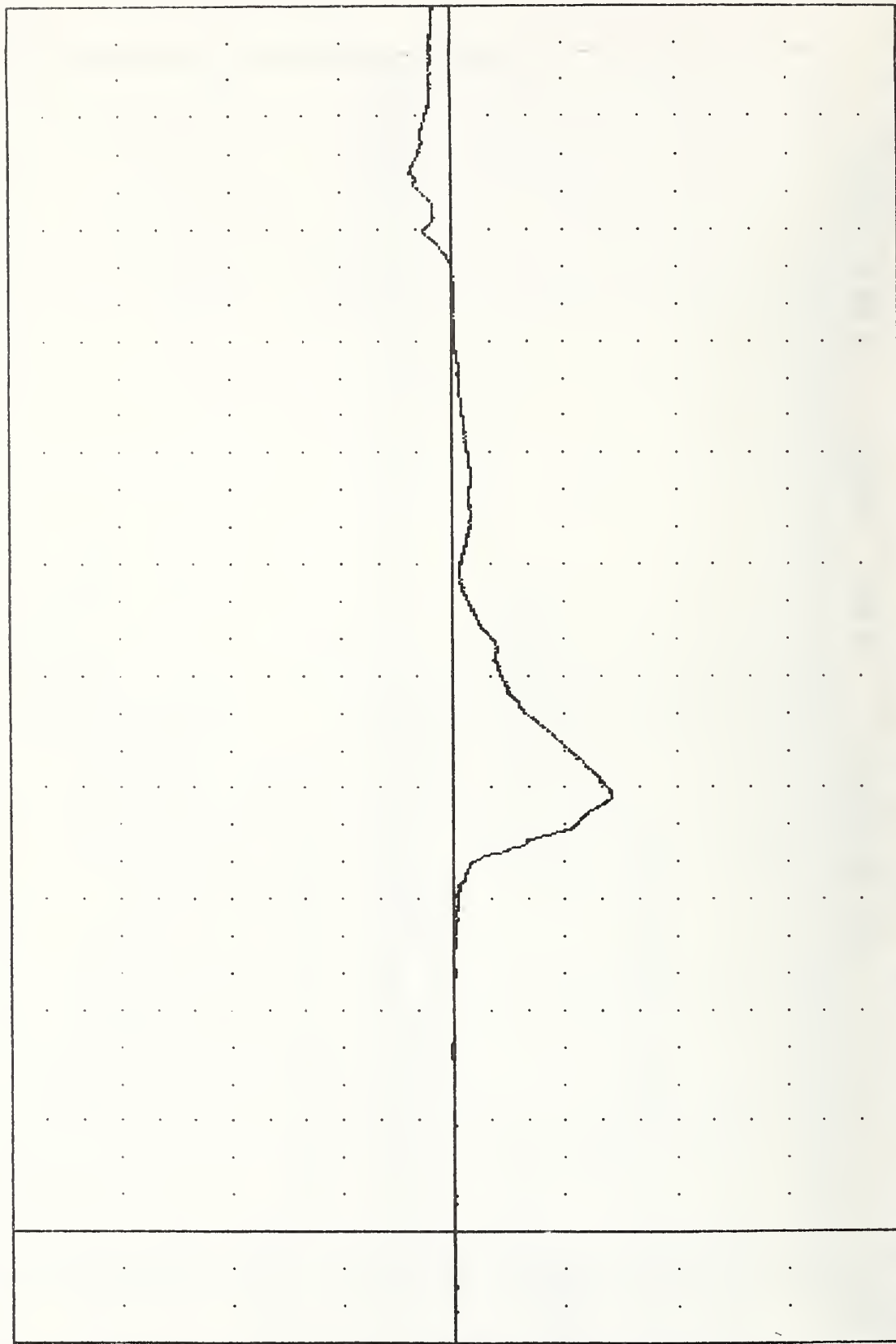
VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
HEDXG1

PLOT DATE 7-JUN-85 08:57:28

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -71.120 78.00 , 18.93 0 190.00

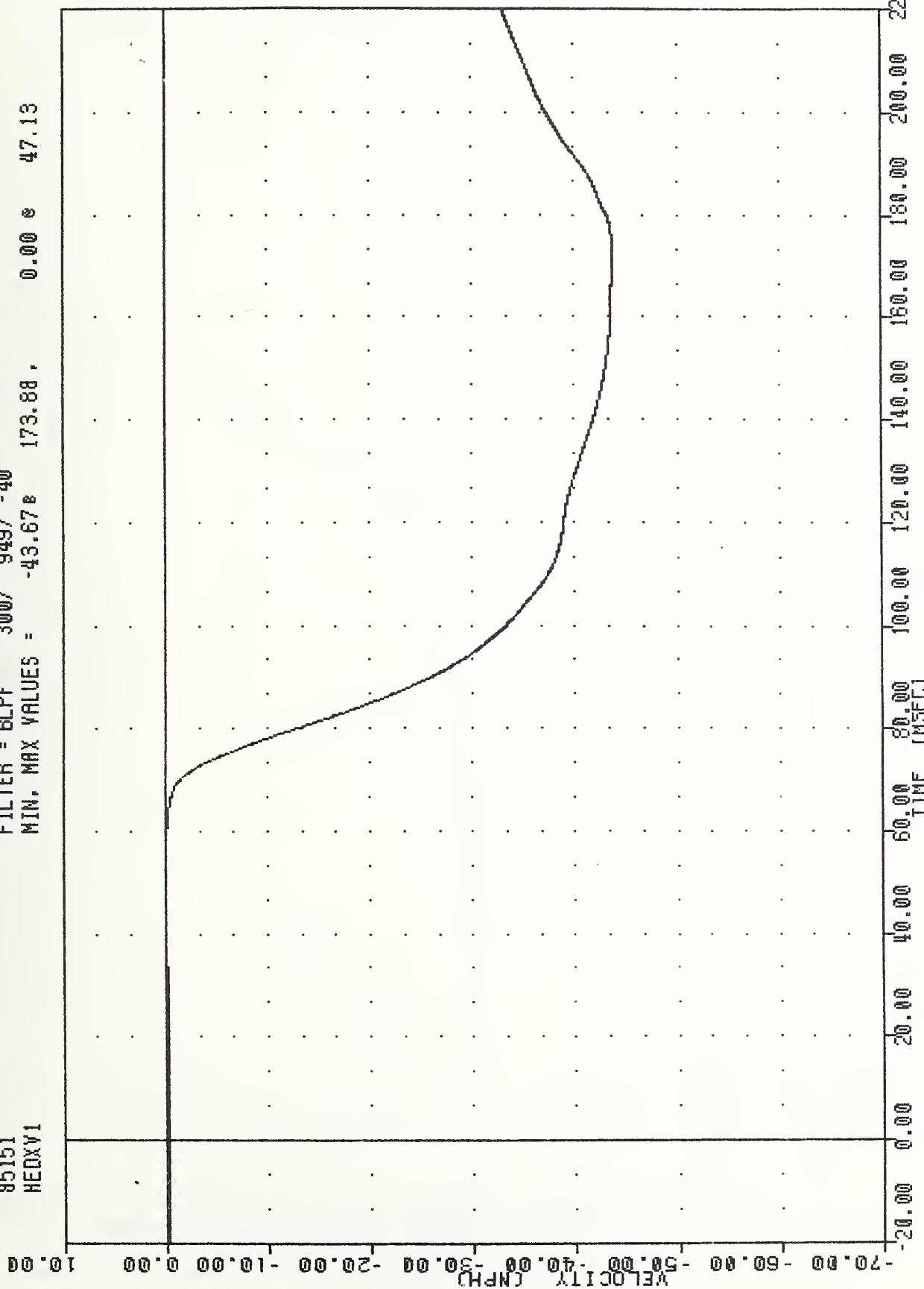
ACCELERATION (G)



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

VRTC , R0384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 HEDXV1

PLOT DATE 7-JUN-85 09:02:34
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -43.67 173.88 , 0.00 e 47.13



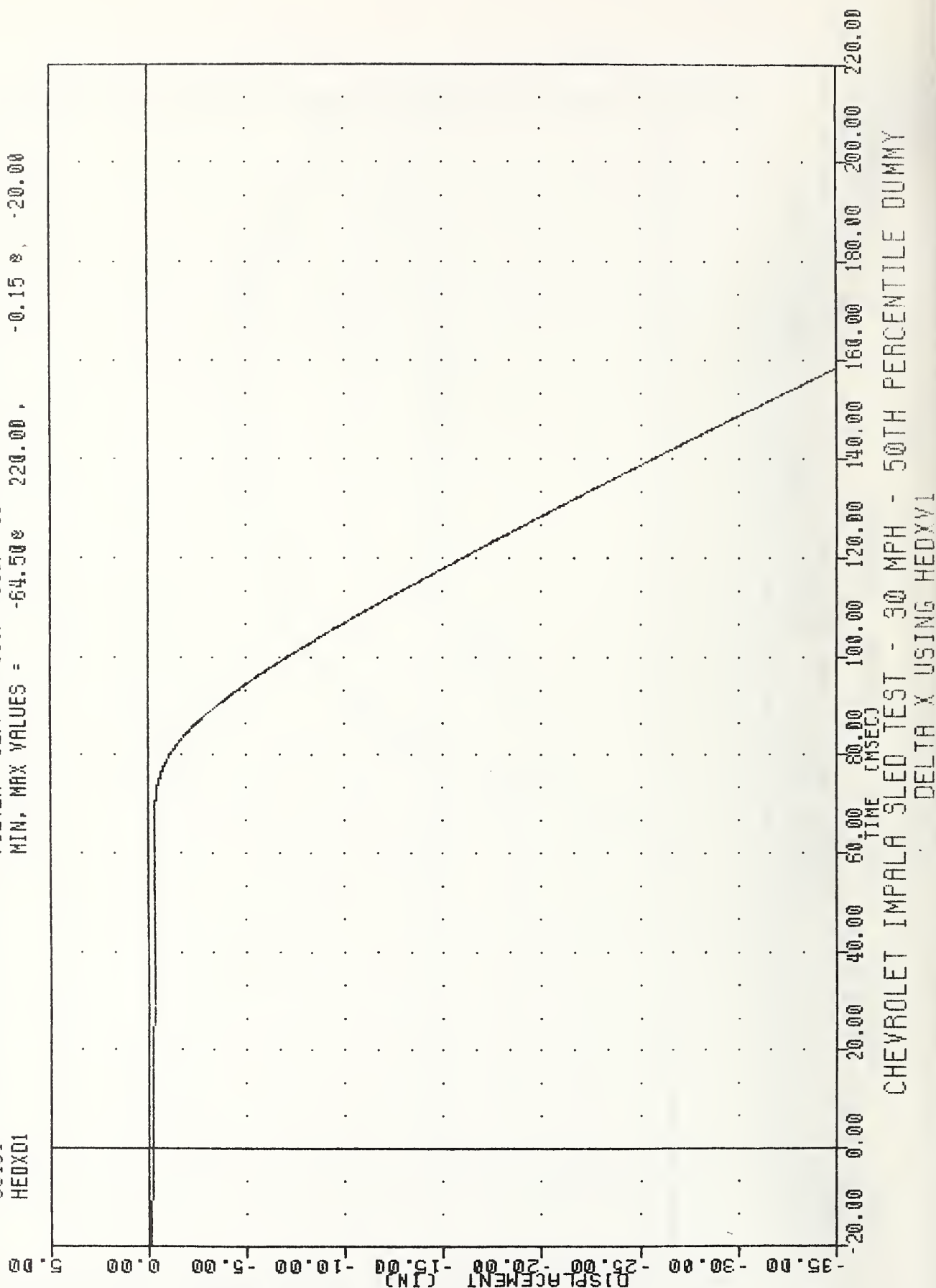
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA V USING HEDXG1

VRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 HEDXD1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -64.500 220.00 , -0.150 , -20.00



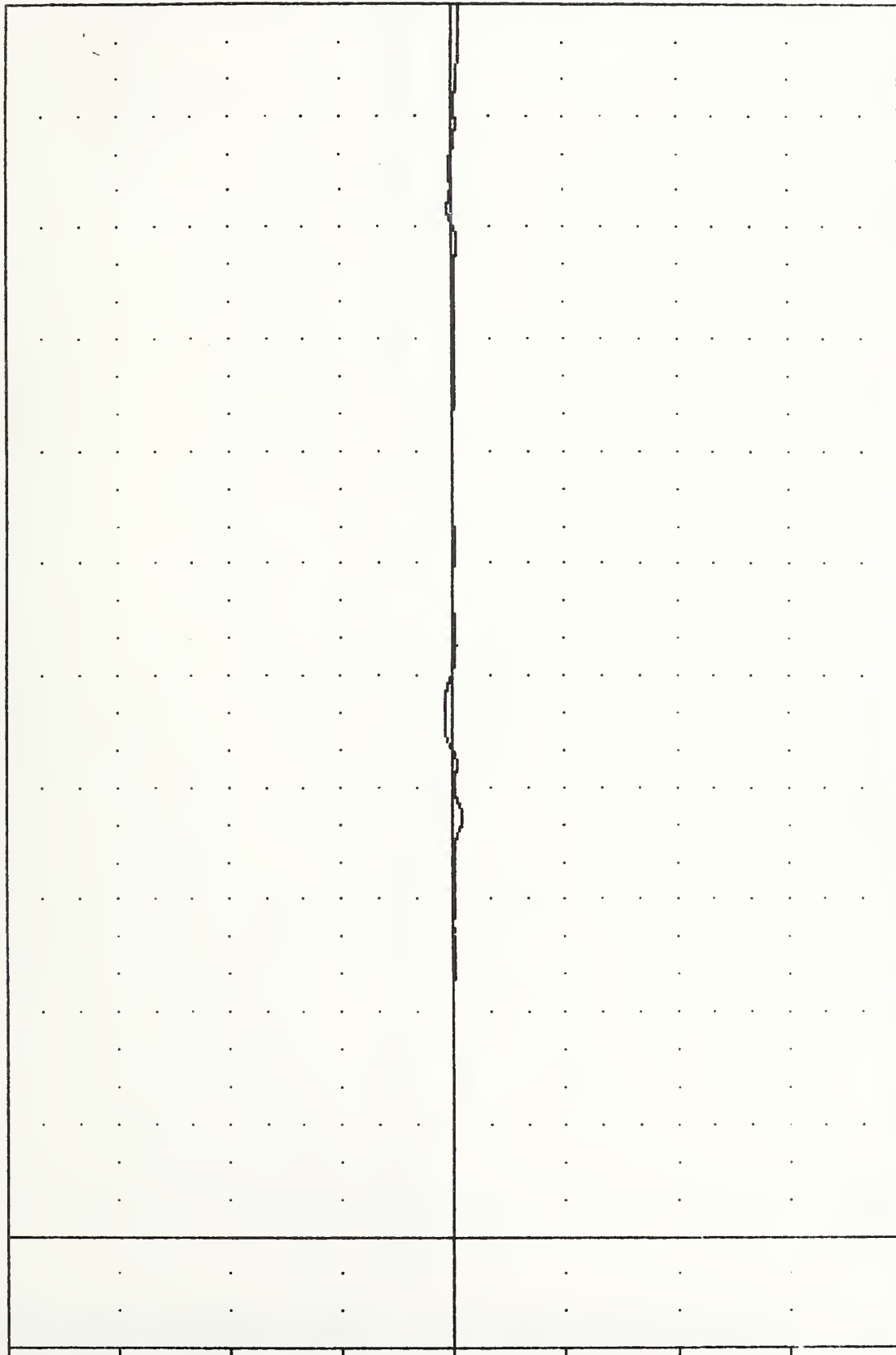
VATC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 HEDY61

PLOT DATE 7-JUN-85 08:57:28

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -4.24 74.38 3.60 90.38

ACCELERATION (G)



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER HEAD ACCELERATION Y AXIS

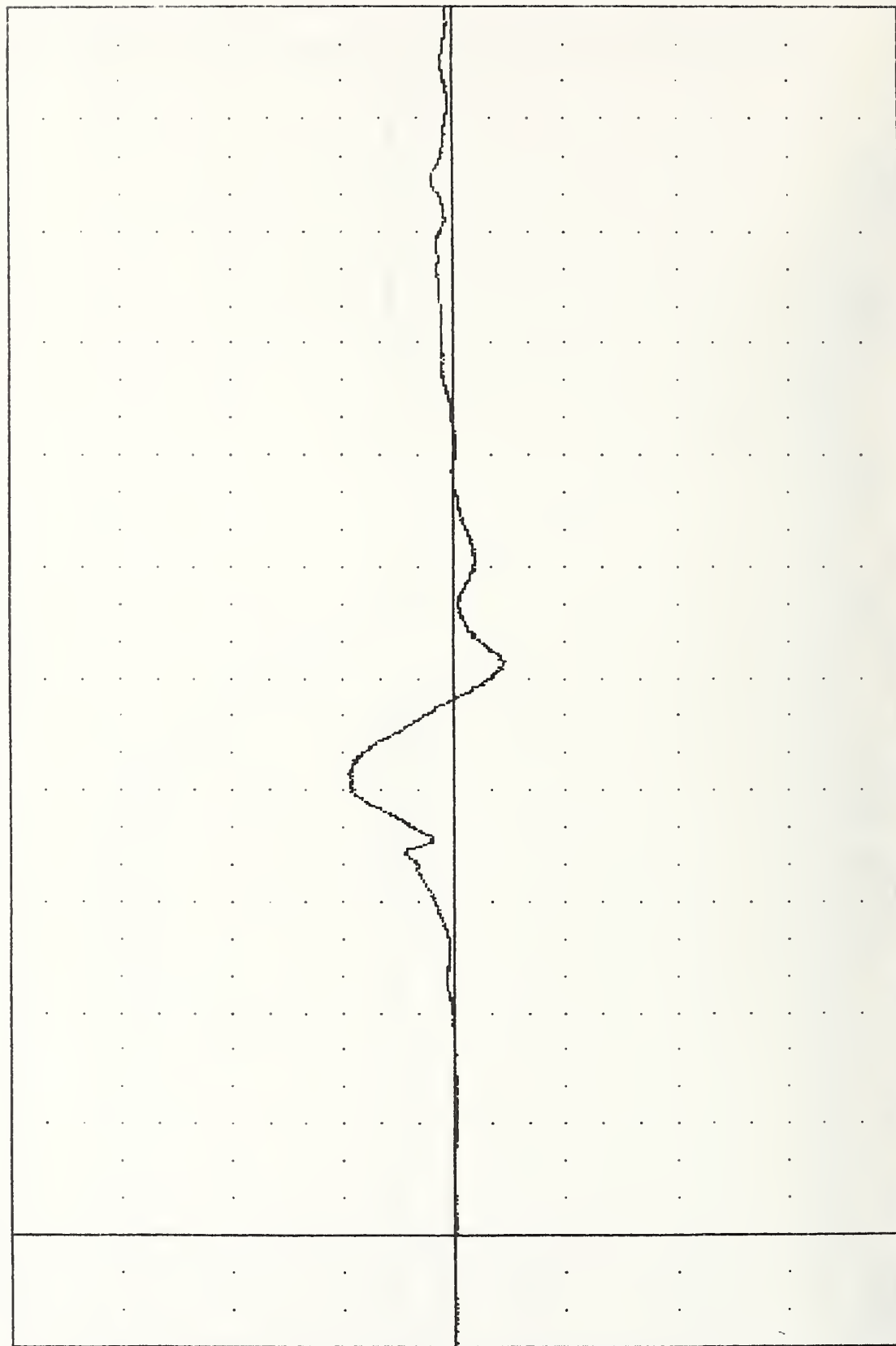
VRTC , R0384-4-43
BRAED AIRBAG SLED PROGRAM
85151
HEDZG1

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -23.13e 103.00, 47.49 e, 82.88

ACCELERATION (G)



TIME (MSEC)

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

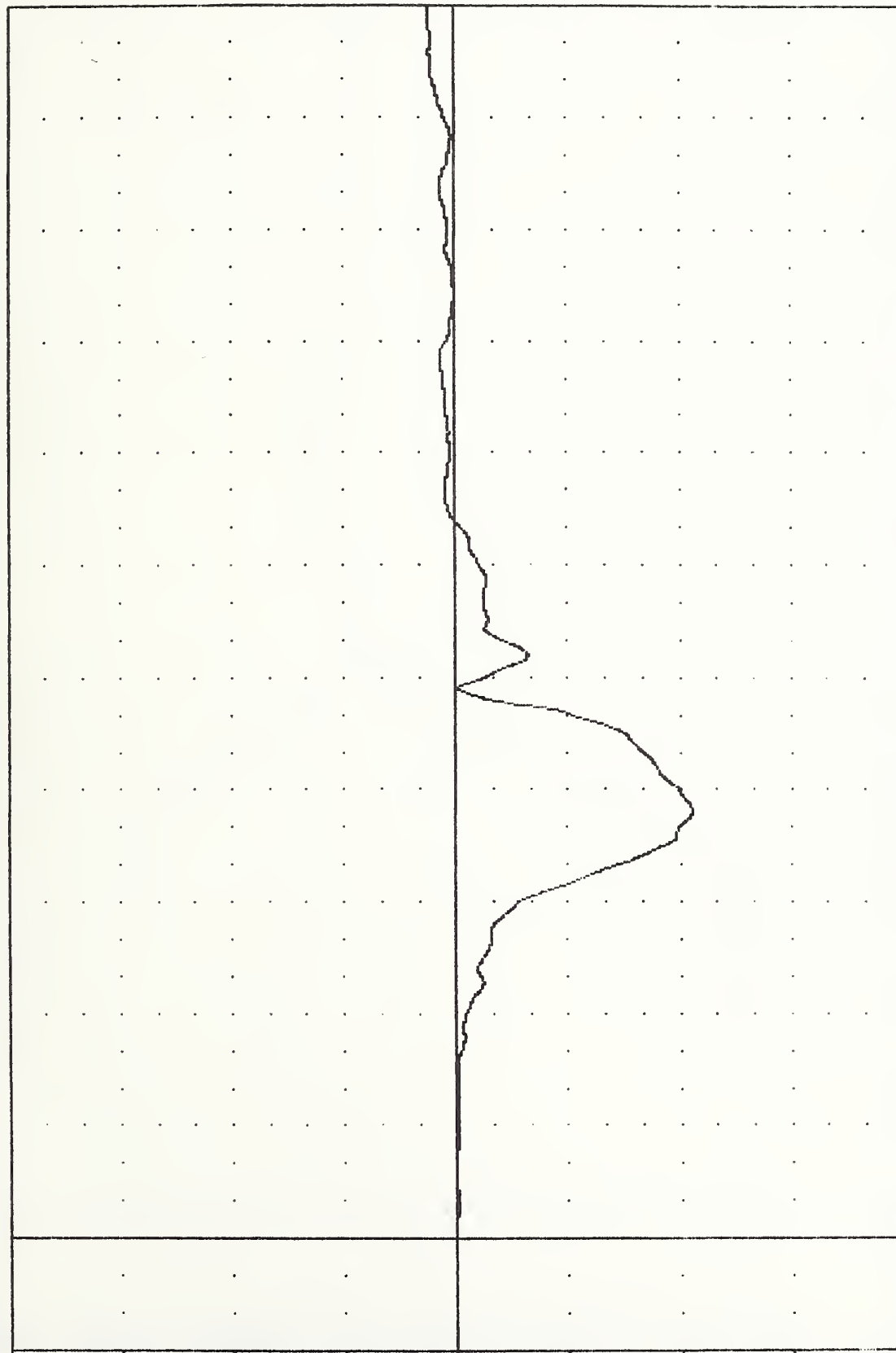
VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
CSTXG1

PLOT DATE 7-JUN-85 08:59:35

FILTER = RLPF 300/ 949/ -40

MIN. MAX VALUES = -52.71e 76.25 , 5.87 e 216.50

ACCELERATION (G)



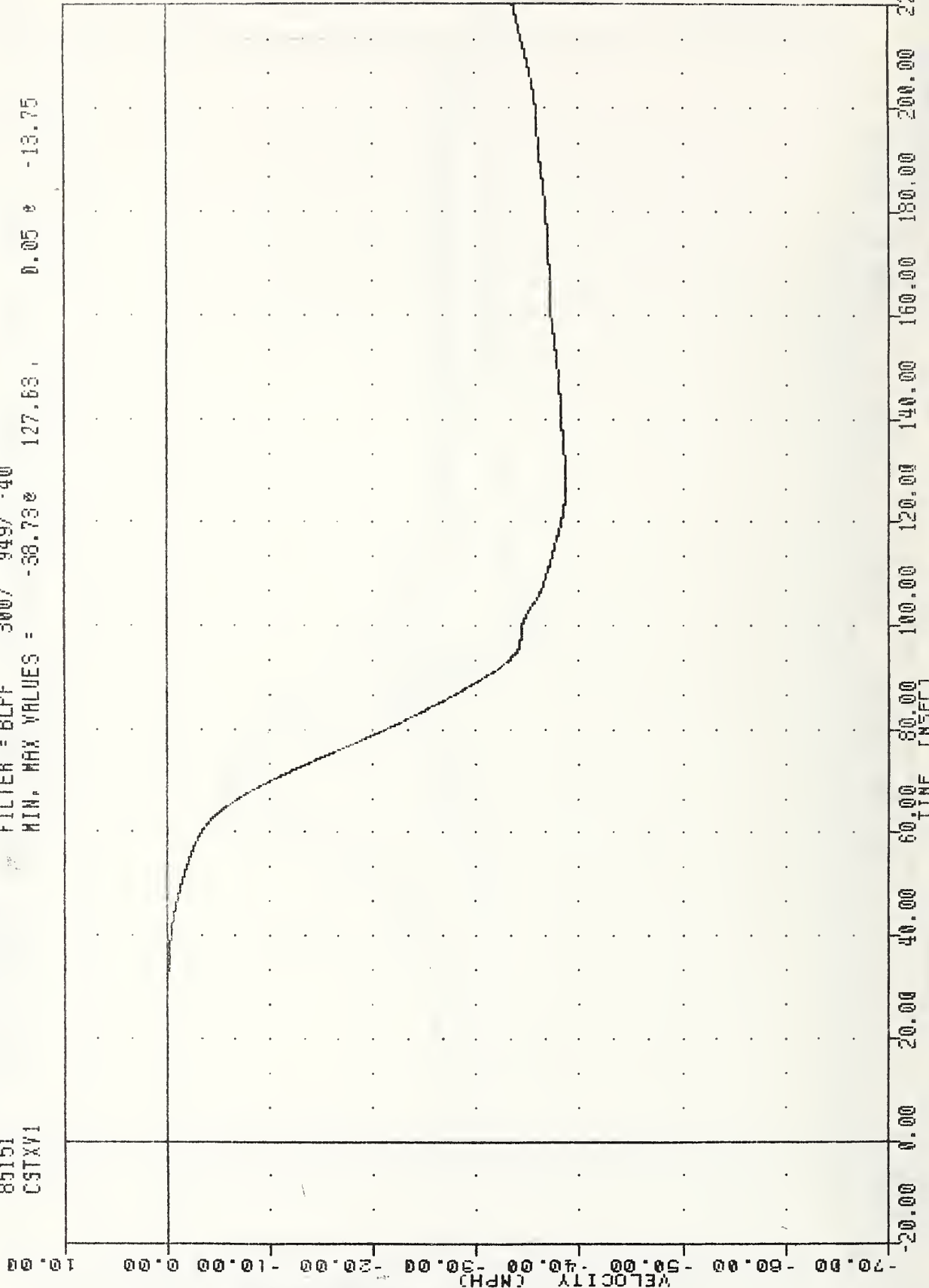
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST ACCELERATION X AXIS

VRIC RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
CSTXV1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -38.73e 127.63 0.05 e -13.75



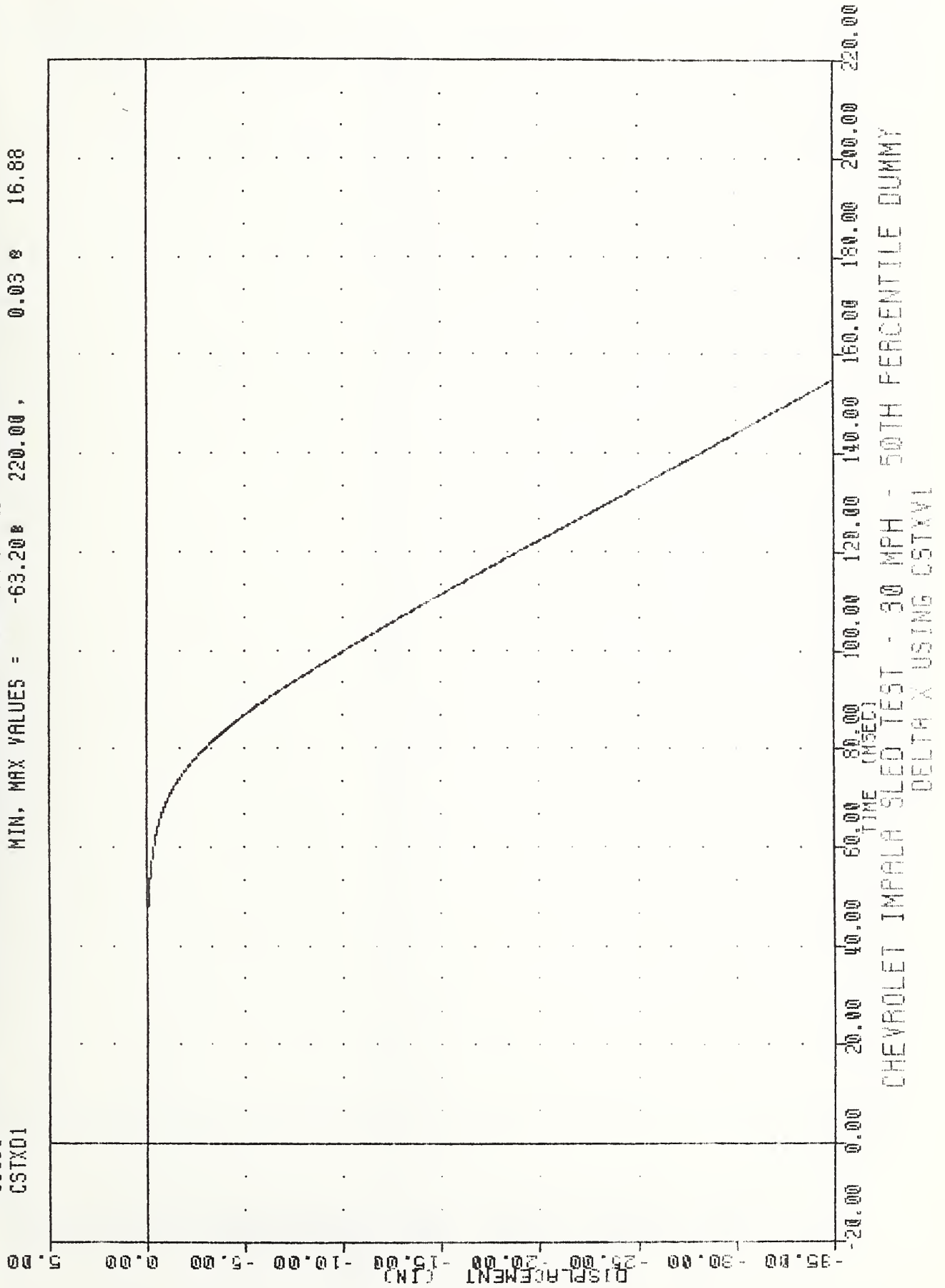
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DELTA V USING CSTXG1

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
CSTXD1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -63.20 220.00 , 0.03 16.88

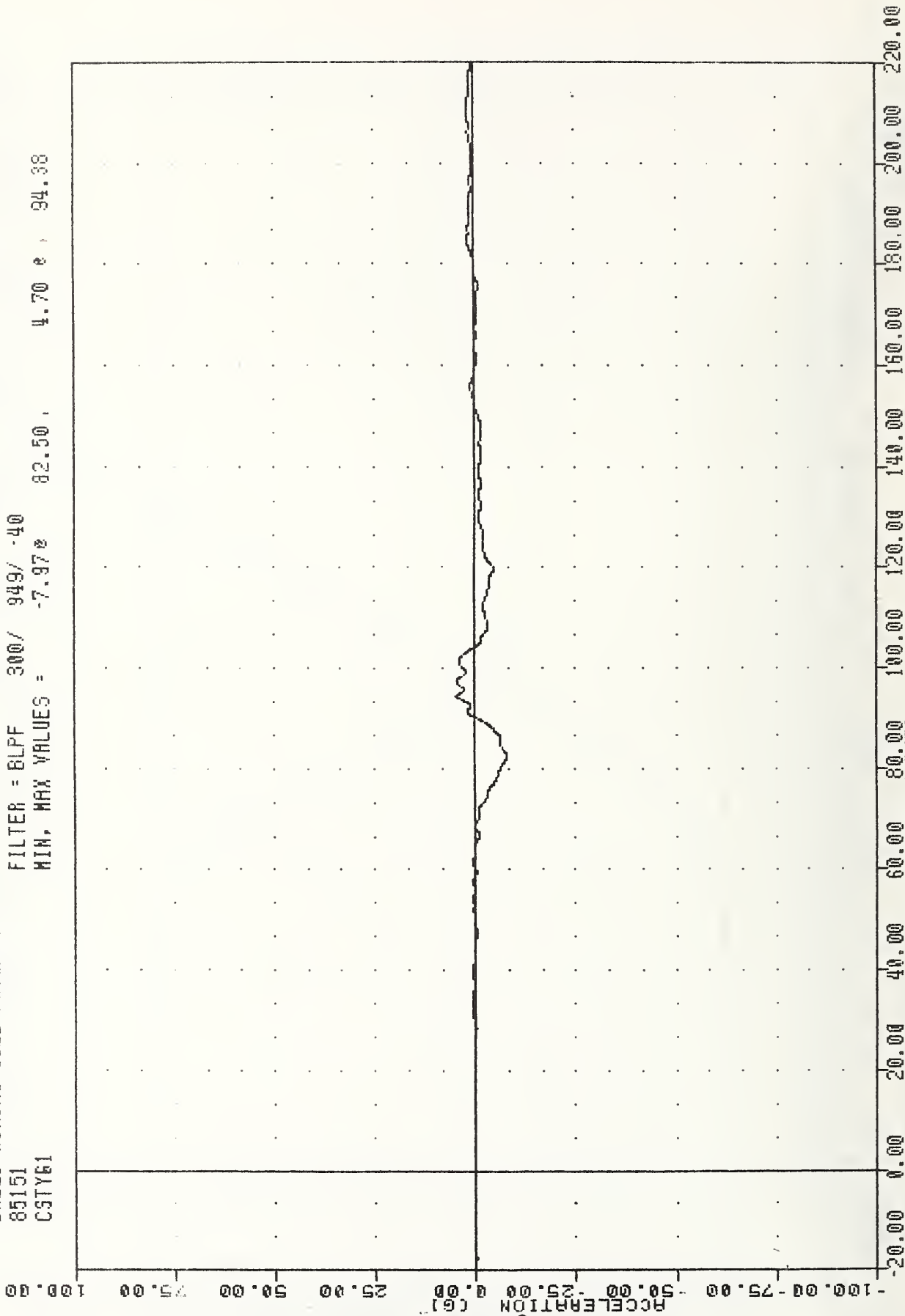


VRTC RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 CSTY61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -7.97e 82.50, 4.70e 94.38



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

VRTC , R0384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 CSTZ61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -15.47g 110.88, 10.04g 73.38

100.00

75.00

50.00

25.00

0.00

-25.00

-50.00

-75.00

-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

DRIVER CHEST ACCELERATION Z AXIS

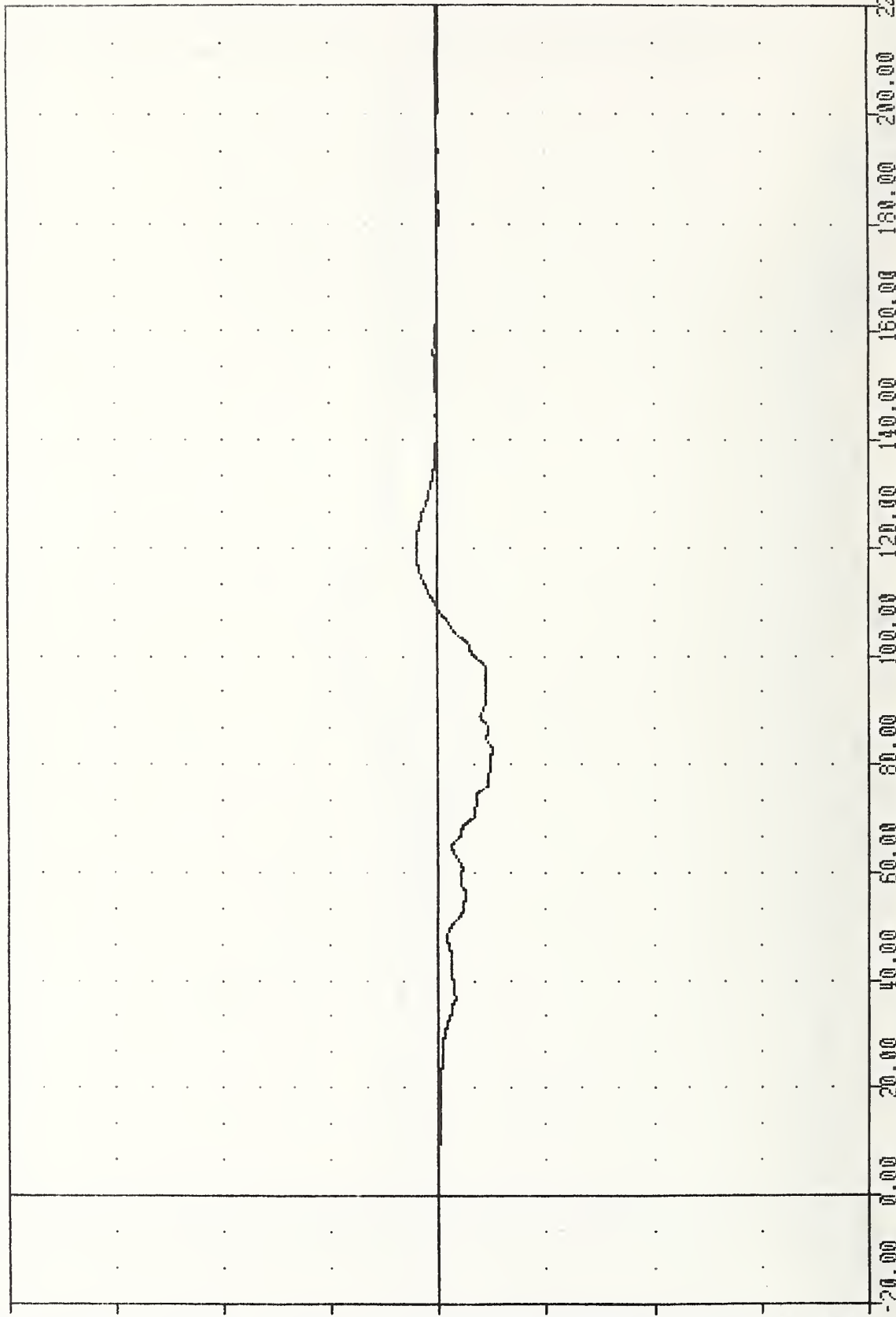
VRTC , R0364-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 PEVXG1

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -25.31% 82.63, 10.21 %, 118.88

ACCELERATION (G)



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

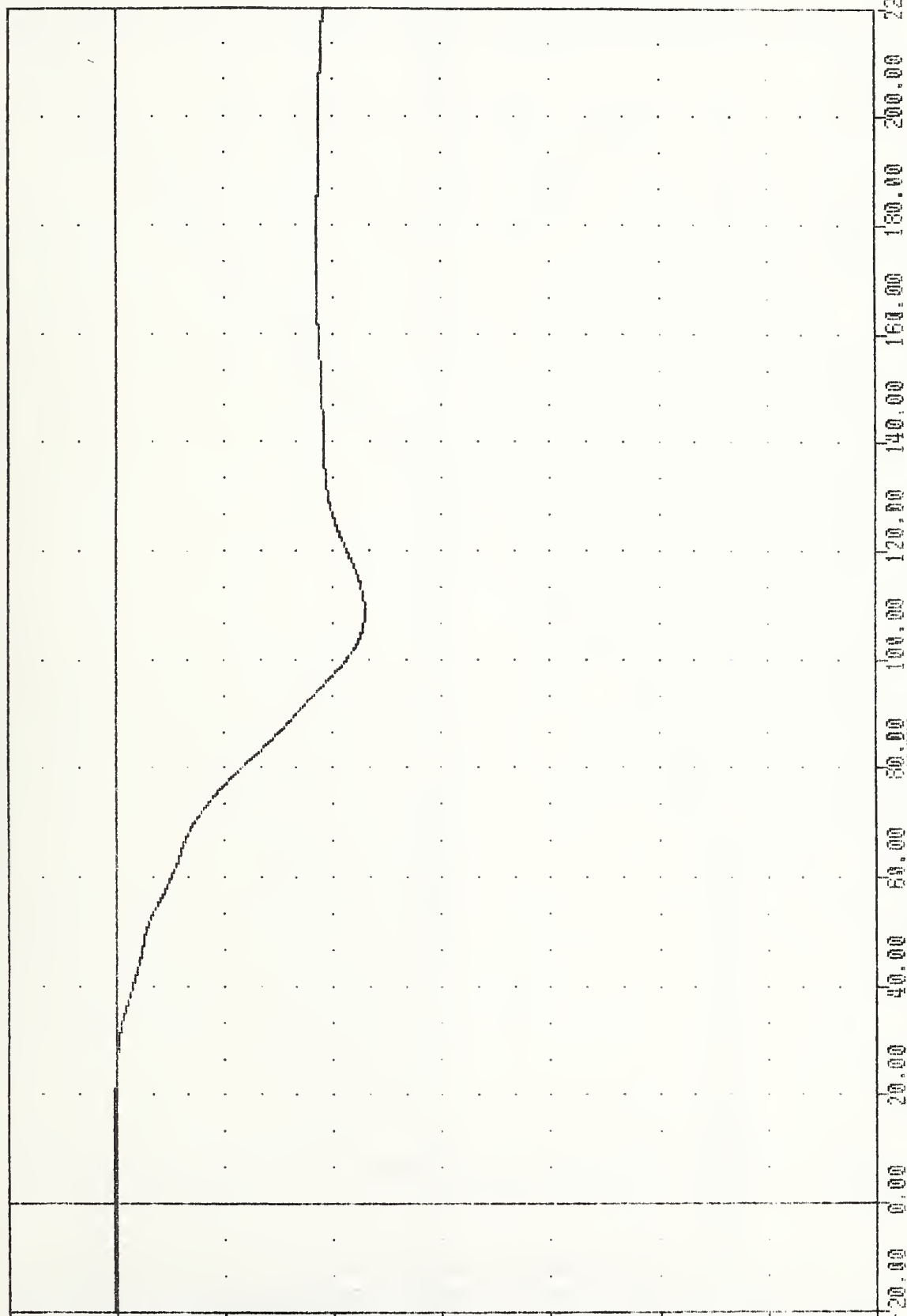
VRIC , R0384-4-43
BAREO AIRBAG SLED PROGRAM
85151
PEVXV1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -22.90 108.50 0.25 0 -20.00

VELOCITY (MPH)



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

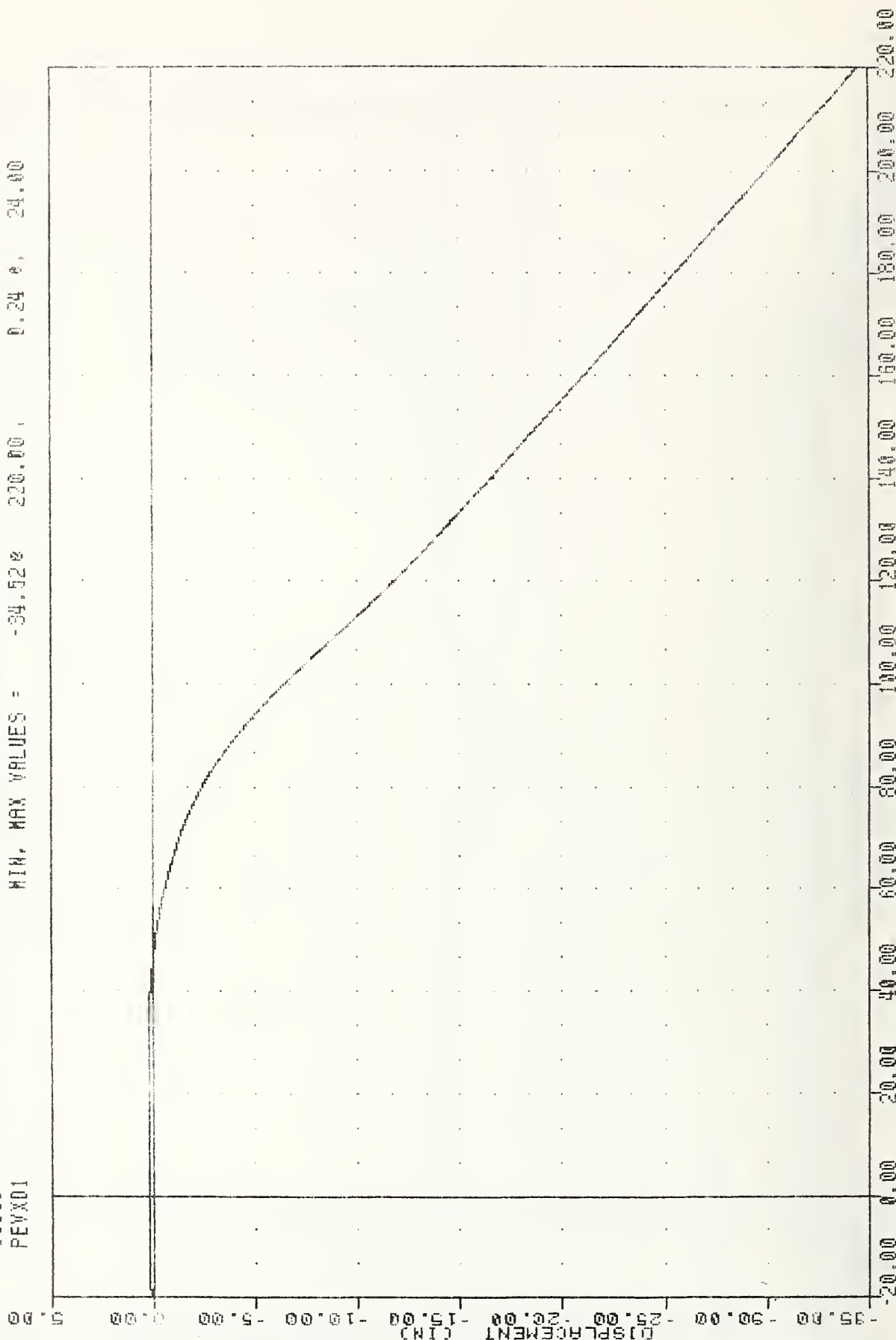
DELTA V USING PEVXG1

VRTC RD304-4-43
BREC AIRSAG SLED PROGRAM
85151
PEVXD1

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -34.52 220.00 0.24 e, 24.00



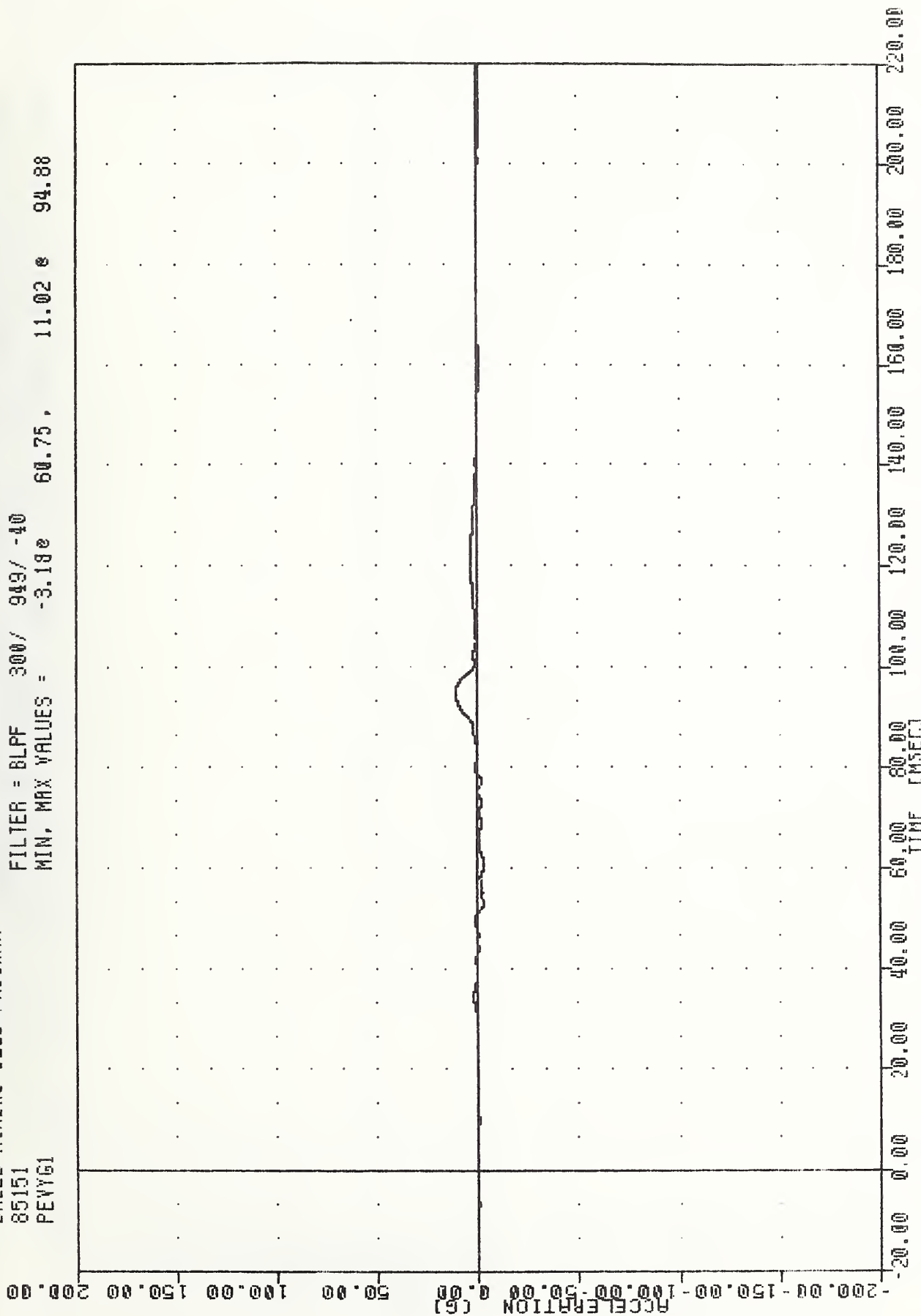
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUNN
DELTA X USING PEVXD1

WRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 PEVY61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.18e 60.75, 11.02 e 94.88

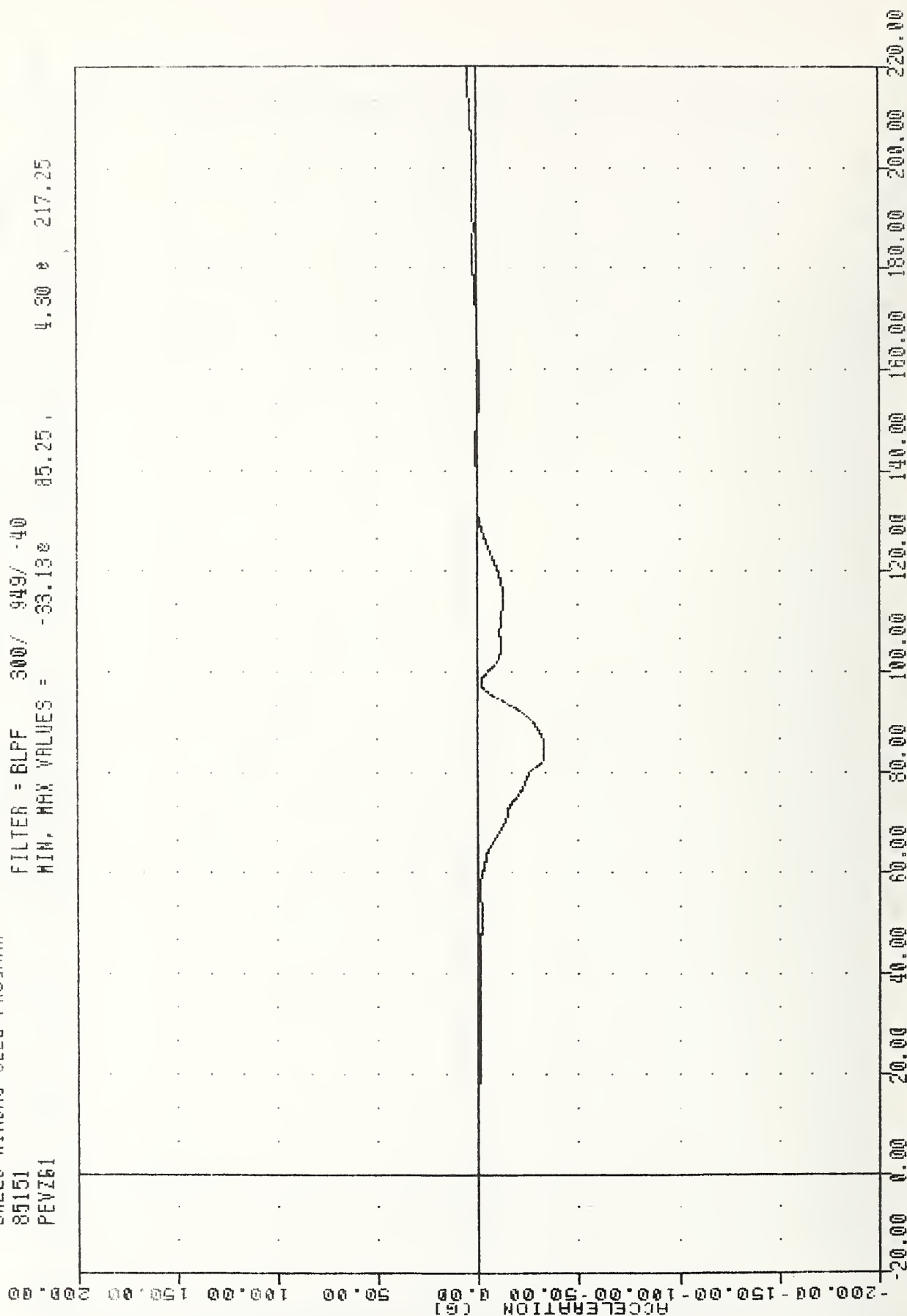


VRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 PEVZ61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -33.13e 85.25 , 4.30 e 217.25

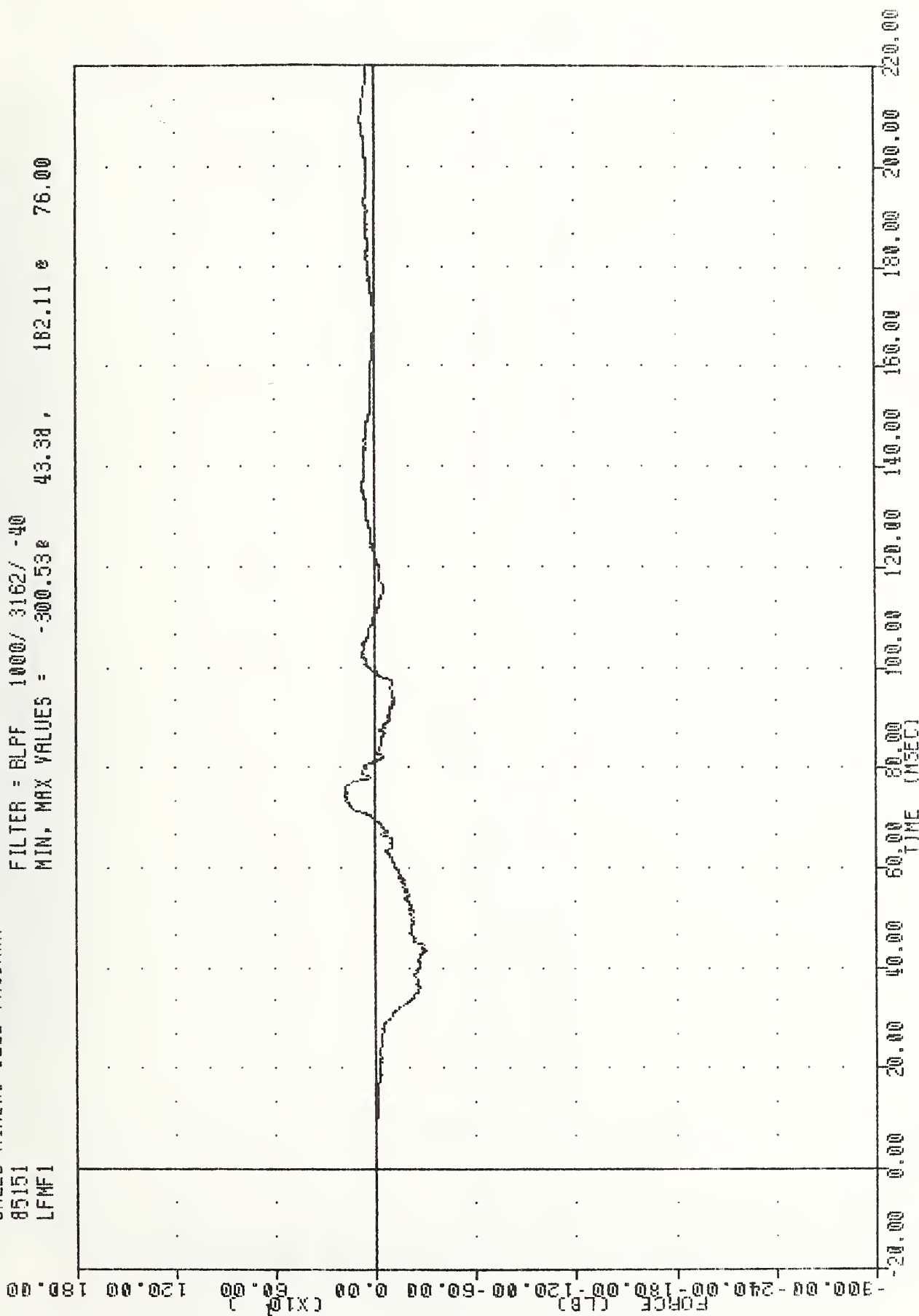


VRTC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
LFMF1

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -300.53e 43.38 , 182.11 e 76.00



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER LEFT FEMUR FORCE

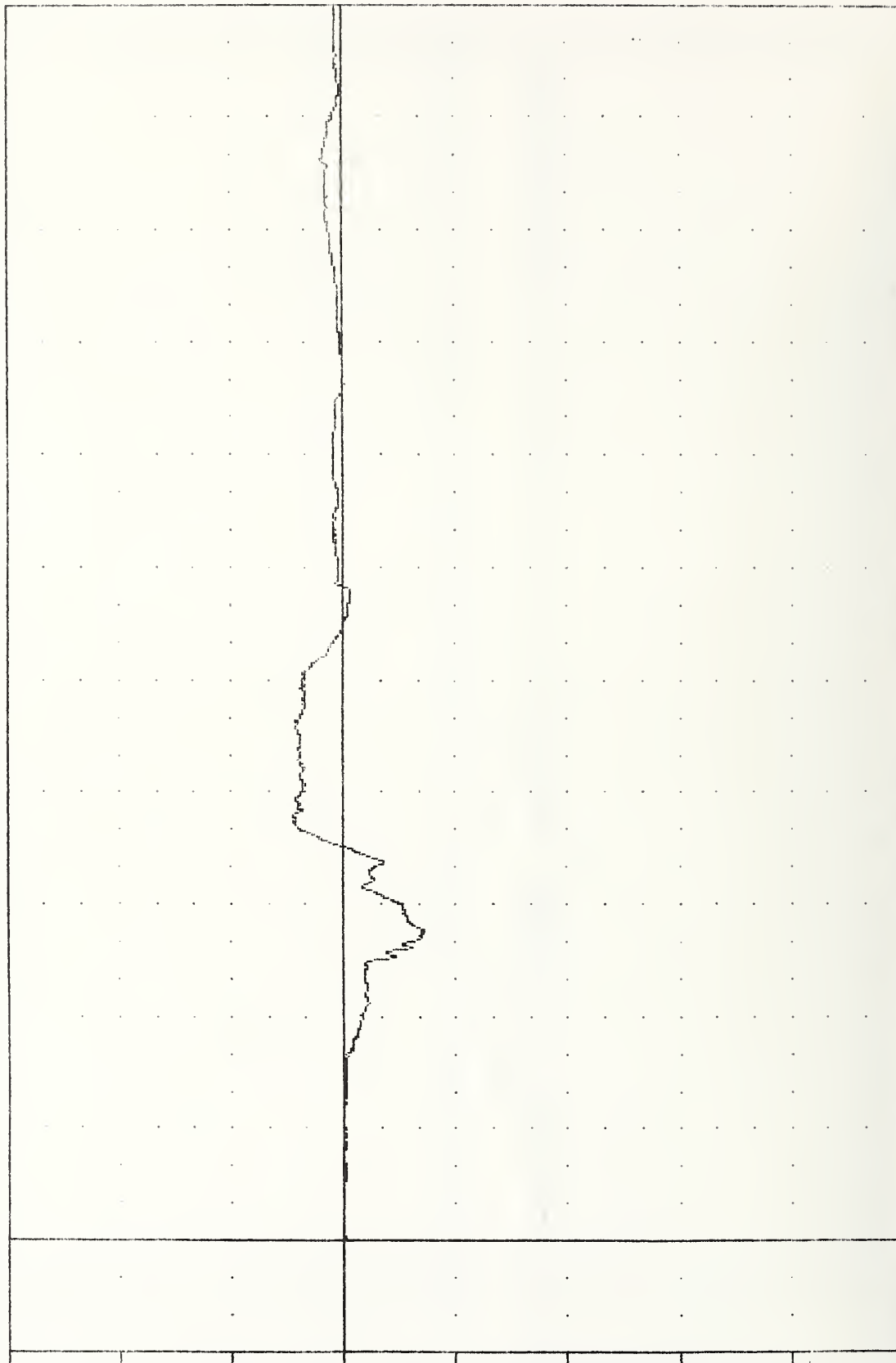
VRIC , R0384-4-43
BASED AIRBAG SLED PROGRAM
85151
RFNF1

PLOT DATE 7-JUN-85 08:59:35

FILTER = 8LPF 1000/ 3162/ -40

MIN. MAX VALUES = -429.24 55.38 , 266.68 75.88

FORCE (LB)
-300.00
-240.00
-180.00
-120.00
-60.00
0.00
60.00
120.00
180.00
240.00
300.00

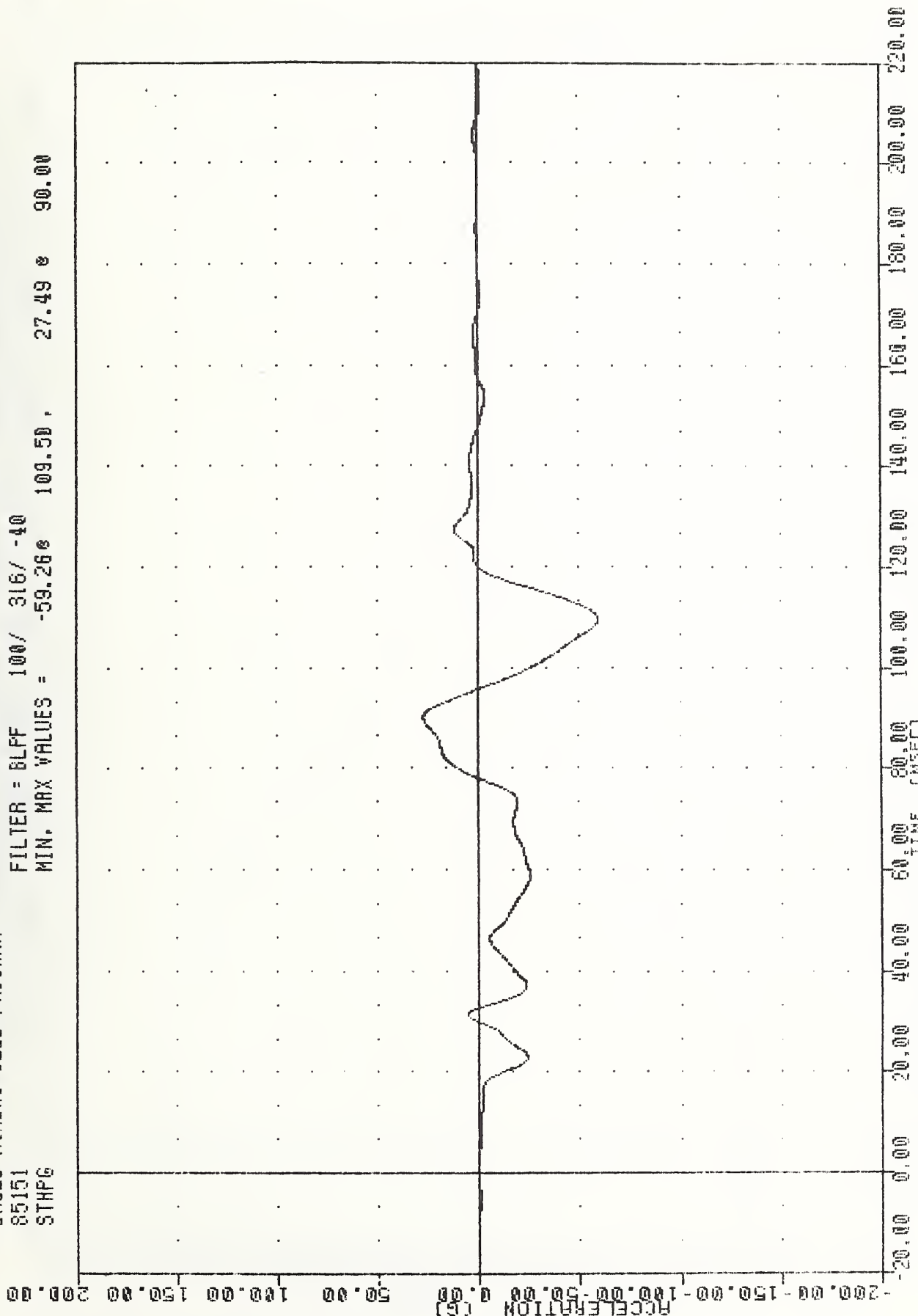


CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER RIGHT FEMUR FORCE

VRTC . R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
STHPG

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLFF 100/ 316/ -40
MIN. MAX VALUES = -59.26 109.50 , 27.49 90.00



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

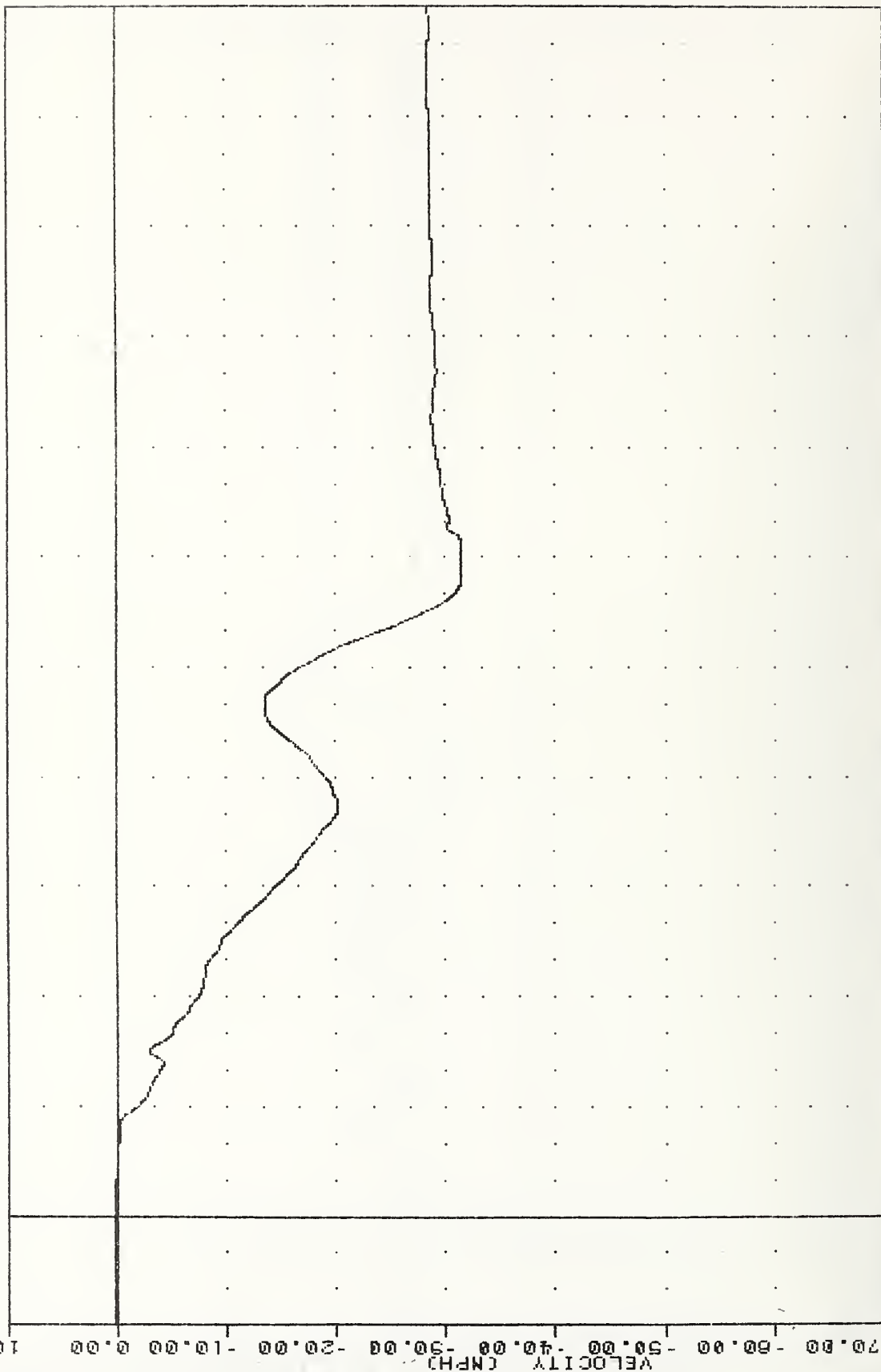
VRIC , RD384-4-43
BAREO AIRBAG SLED PROGRAM
85151
STHPV

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 349/ -40

MIN, MAX VALUES = -31.520 119.63 , 0.18 e -15.50

10.00



-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 DUMMY

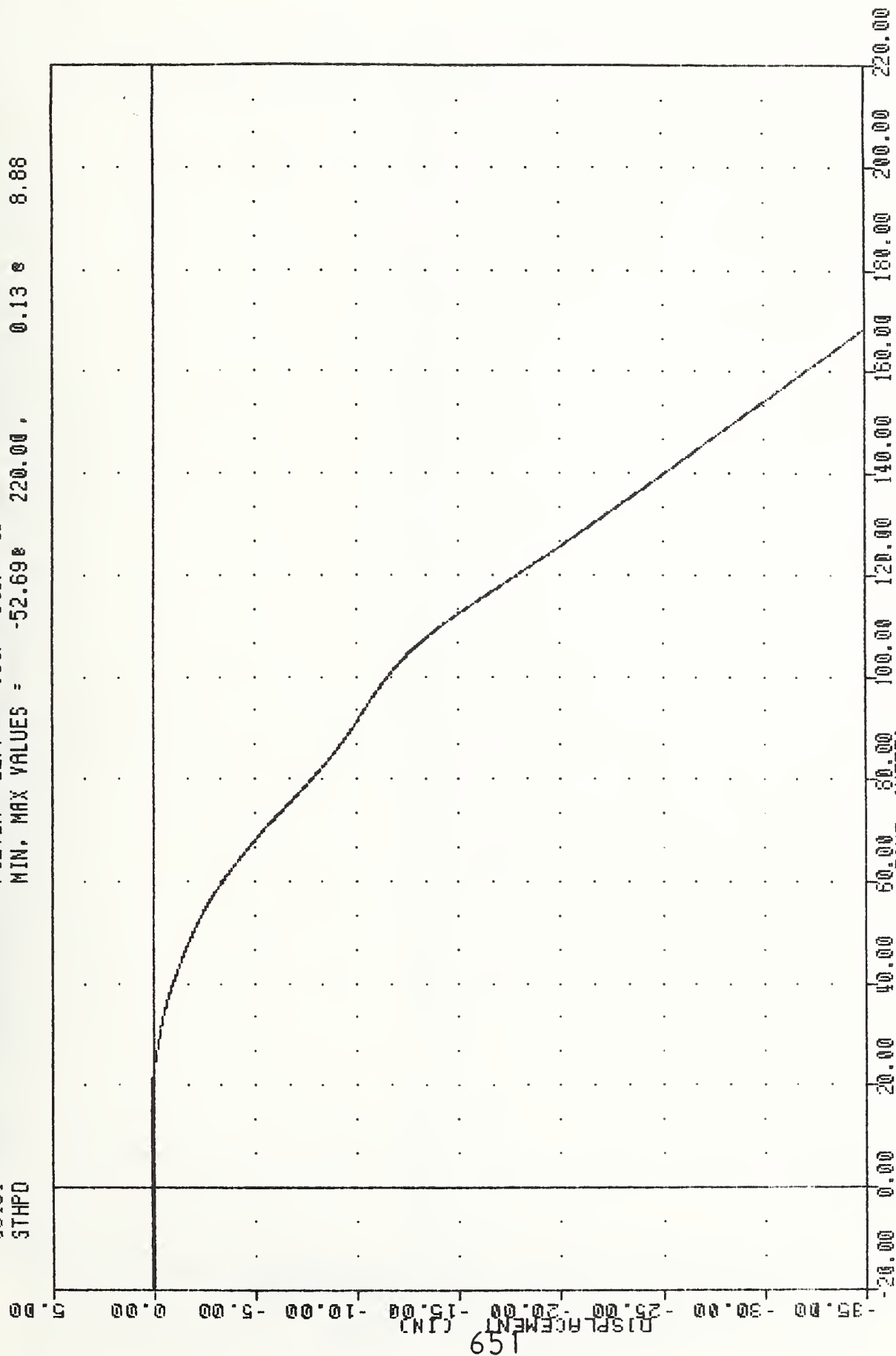
DELTA V USING STHPG

WRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 STHPD

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -52.69e 220.00, 0.13 e 8.88



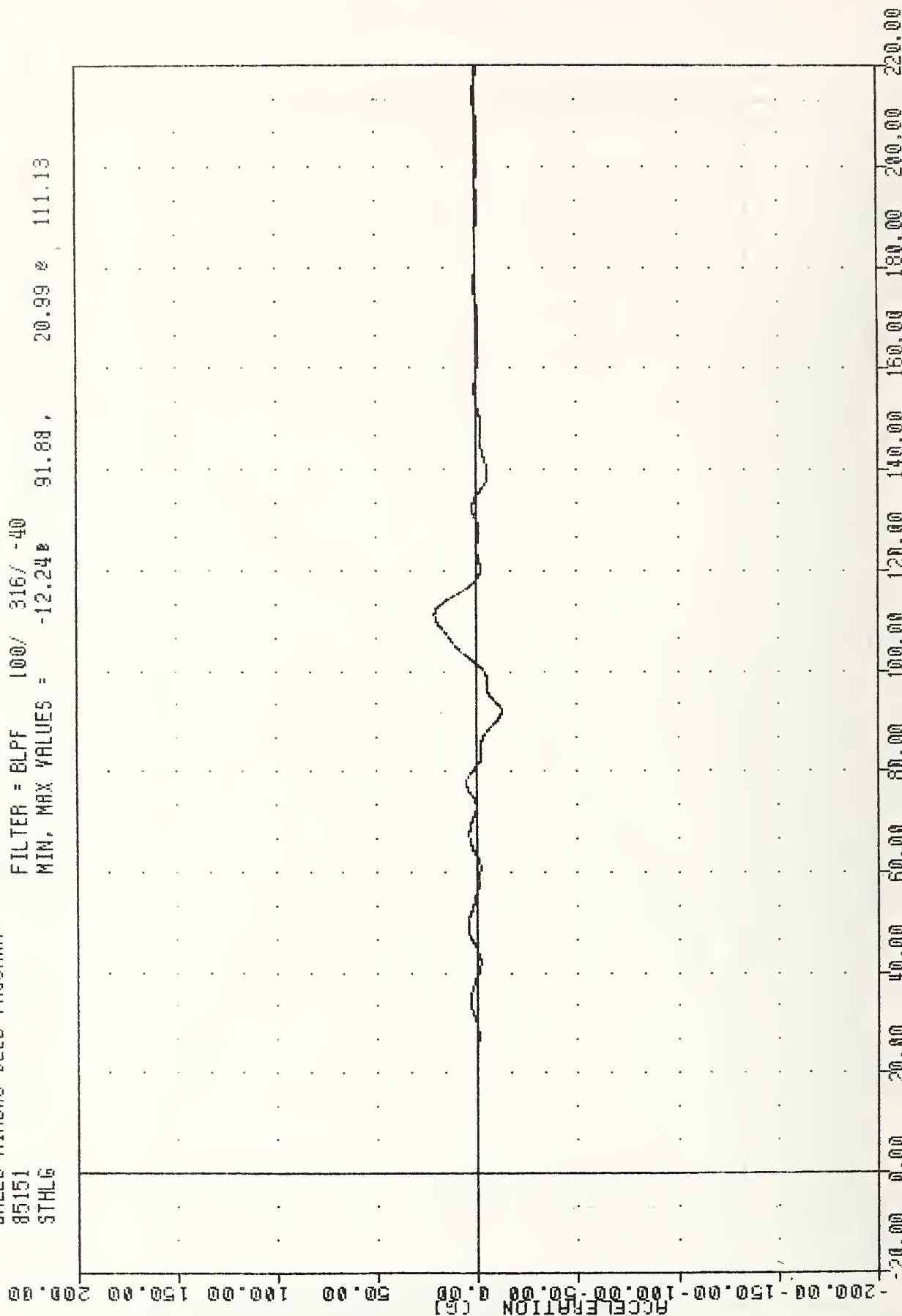
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING STHPV

VRTC , R0384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 STL6

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -12.24 91.88, 20.99 111.13



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 STEERING COLUMN HUB ACCELERATION M-L AXIS

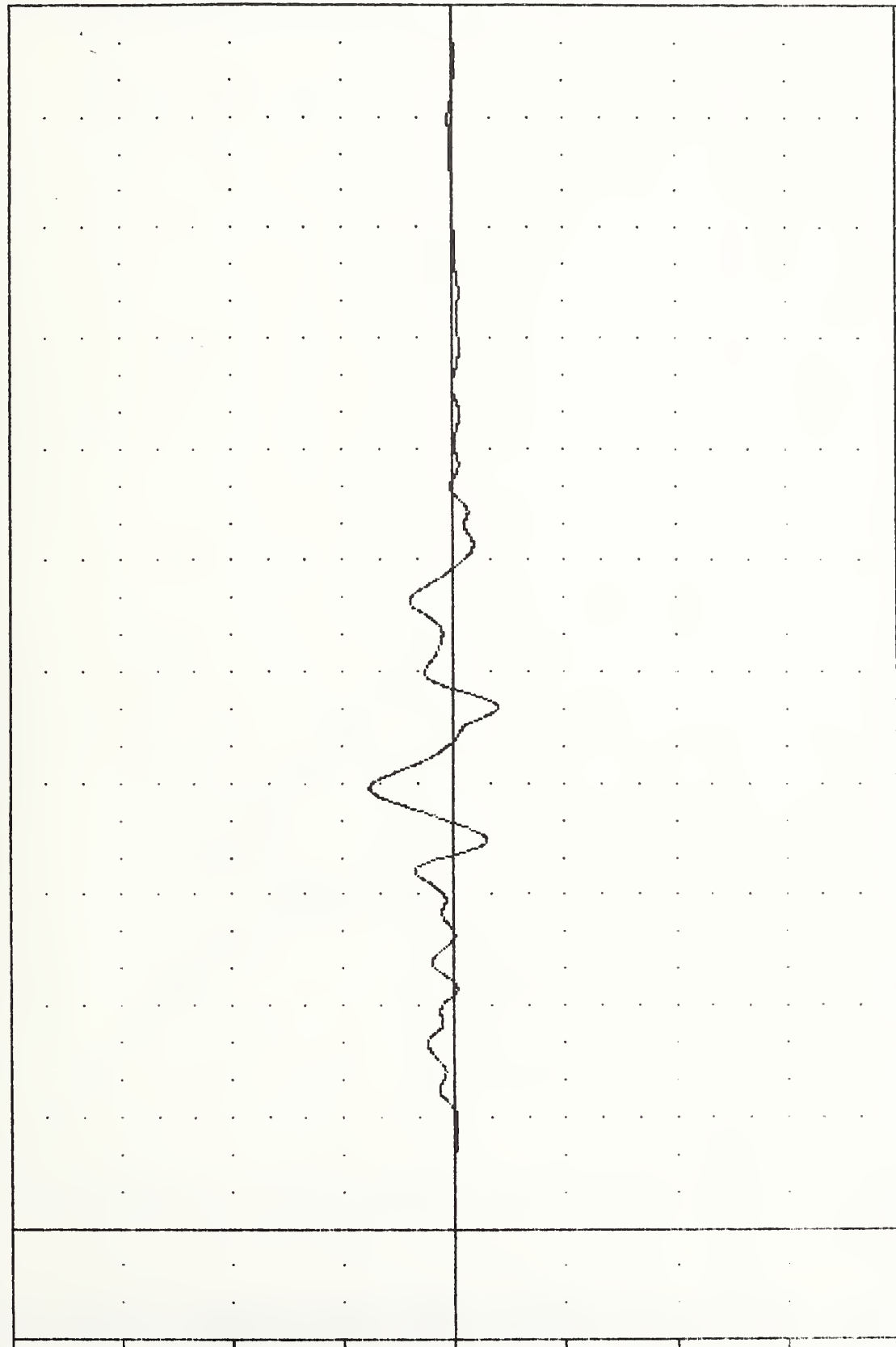
WATC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
STH16

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -19.86g 93.63 , 37.98 g 79.13

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

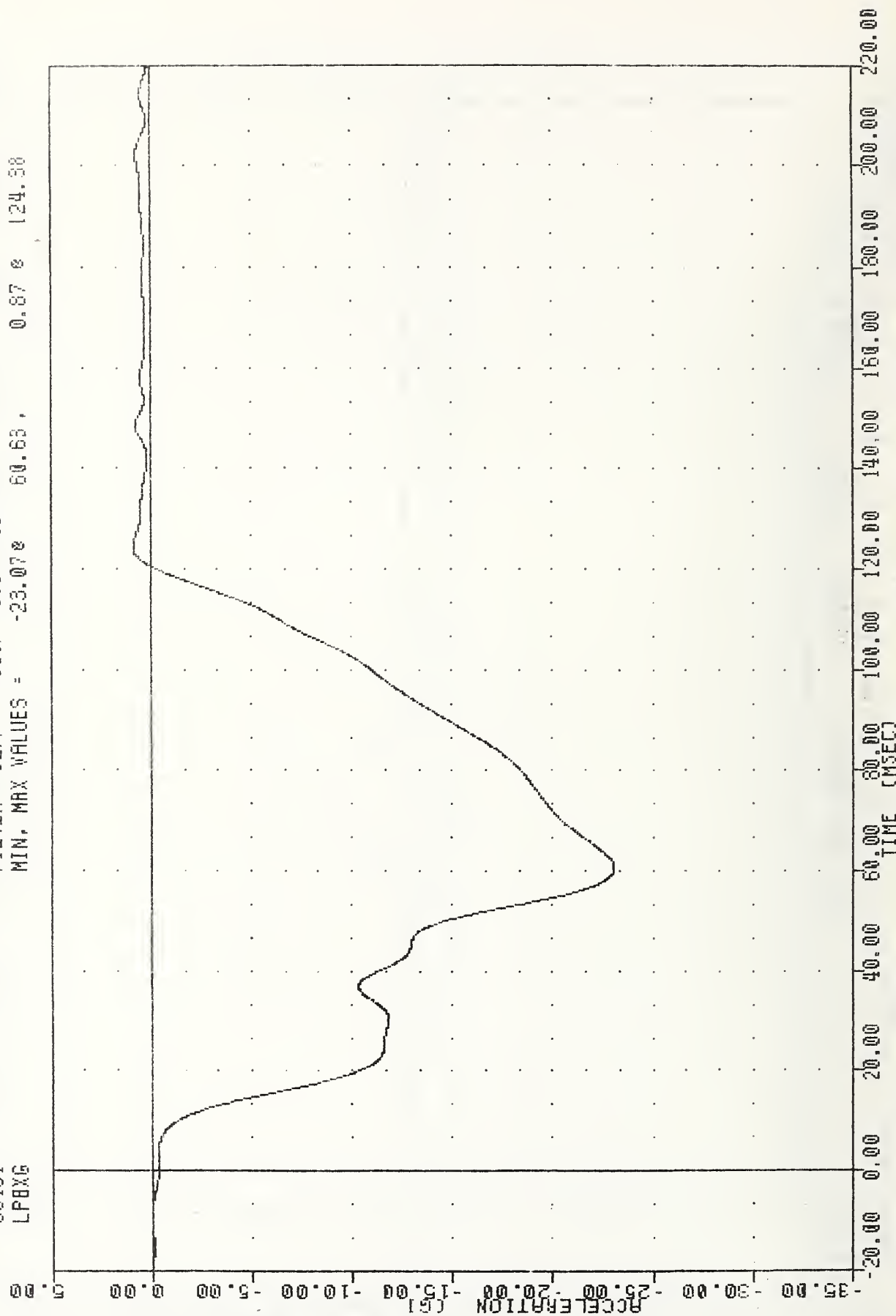
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB ACCELERATION I-S AXIS

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
LPBXG

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -23.07g 60.63g 0.87g 124.38g



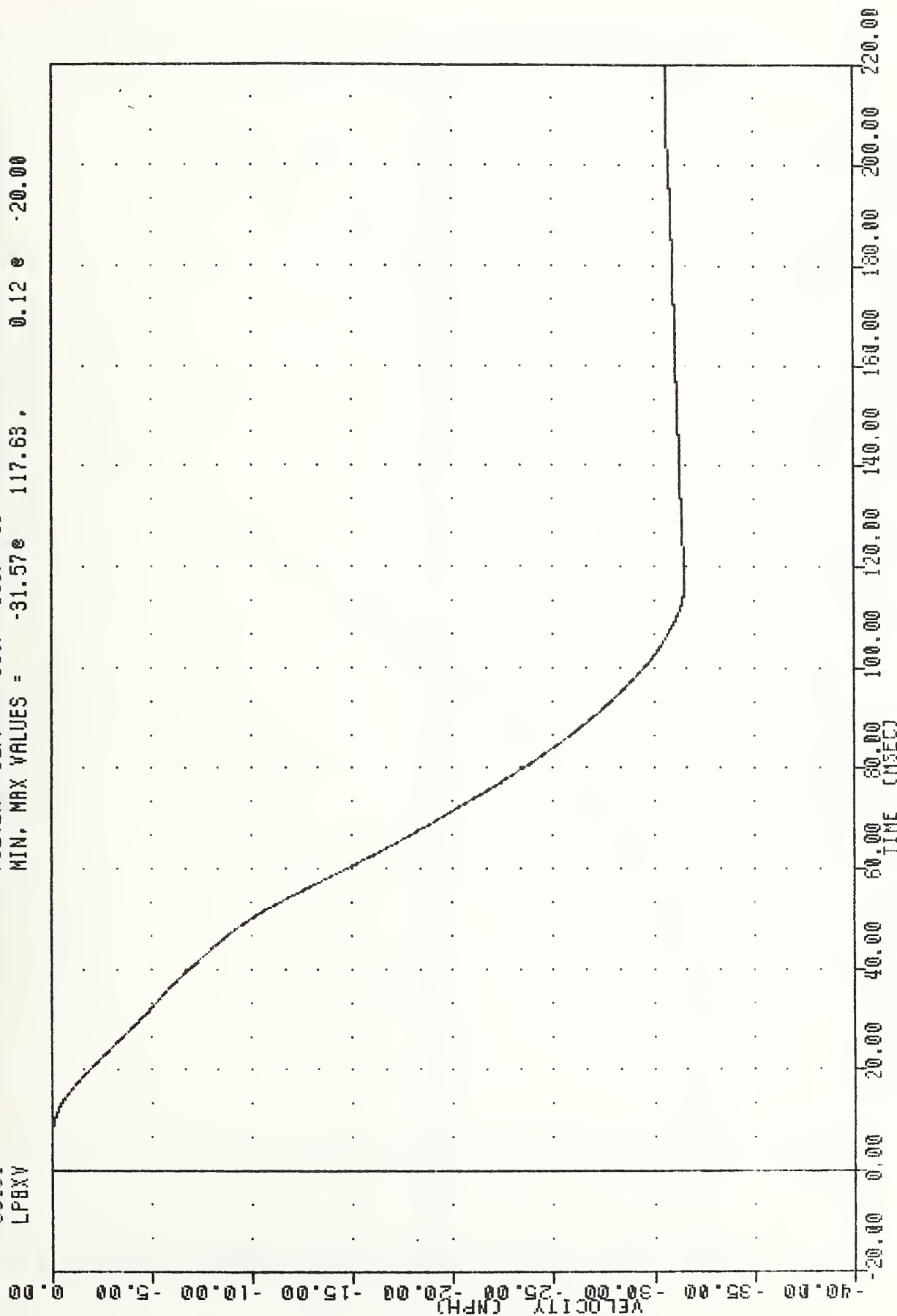
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B ACCELERATION X AXIS

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
LPBXV

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -31.57e 117.63, 0.12 e -20.00



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

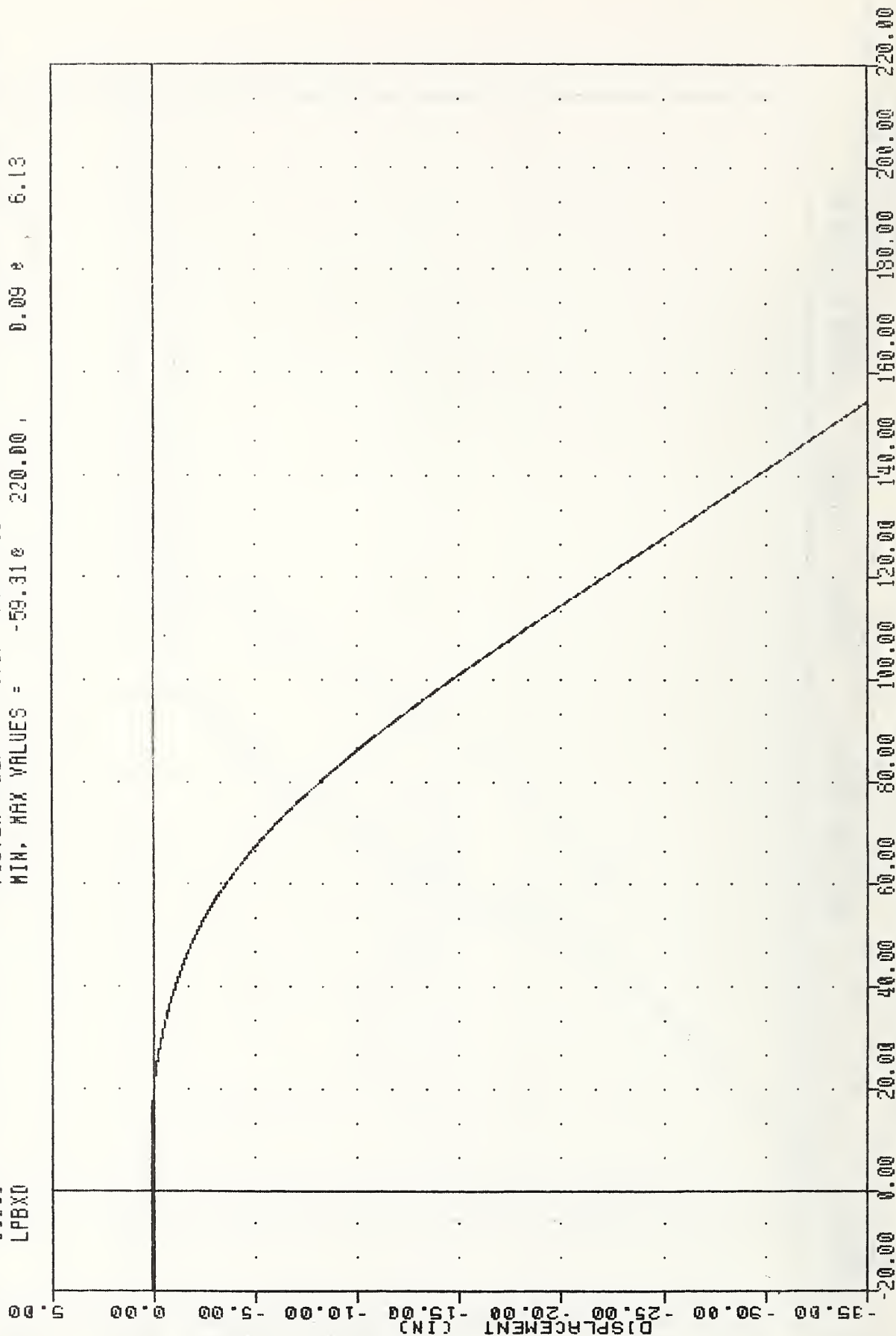
DELTA V USING LPBXG

VRTC
 BREED AIRBAG SLED PROGRAM
 85151
 LPBX0

PLOT DATE 7-JUN-85 09:02:34

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -59.31 e 220.00 , 0.09 e 6.13



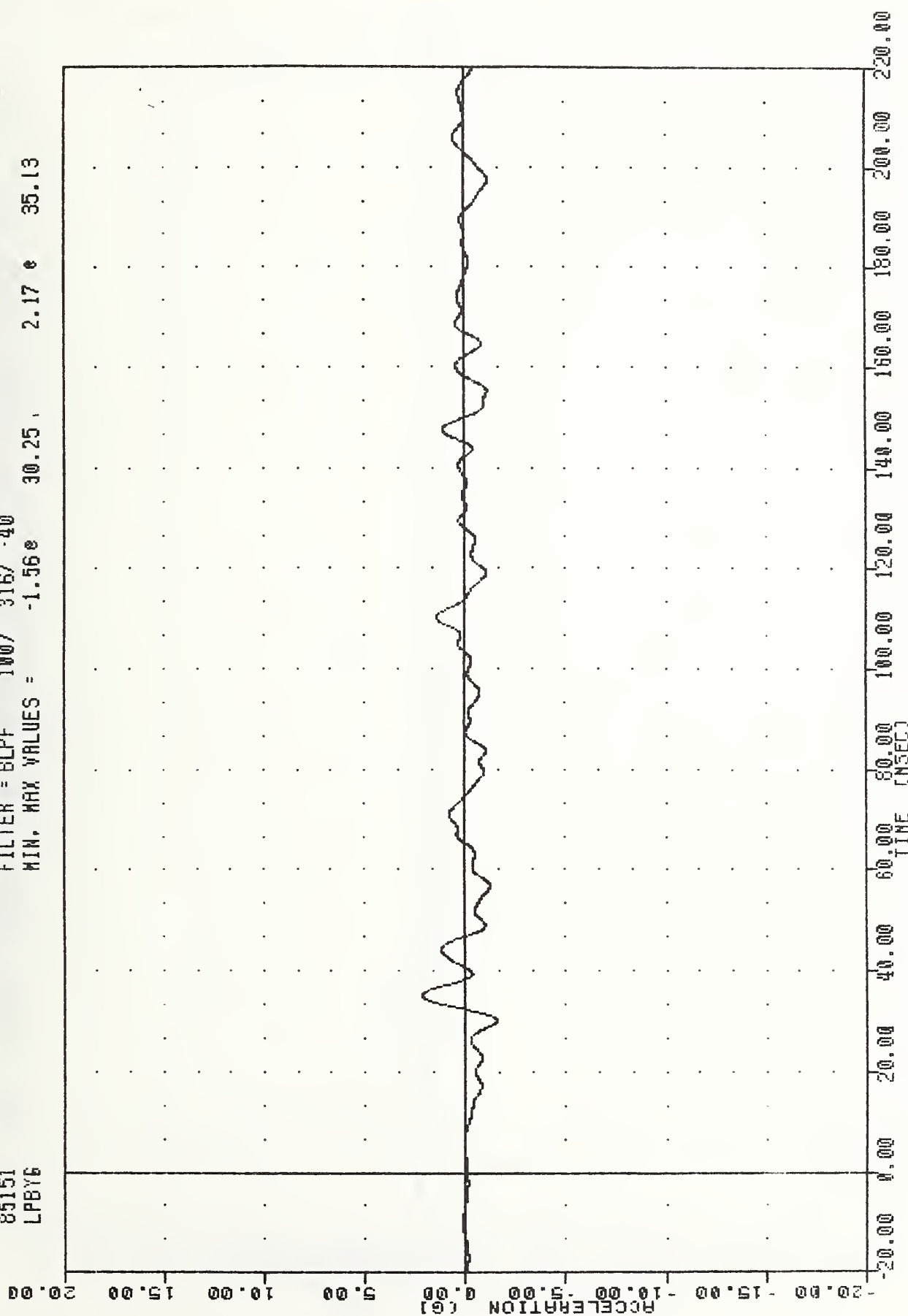
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING LPBXV

WATC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 LPBY6

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

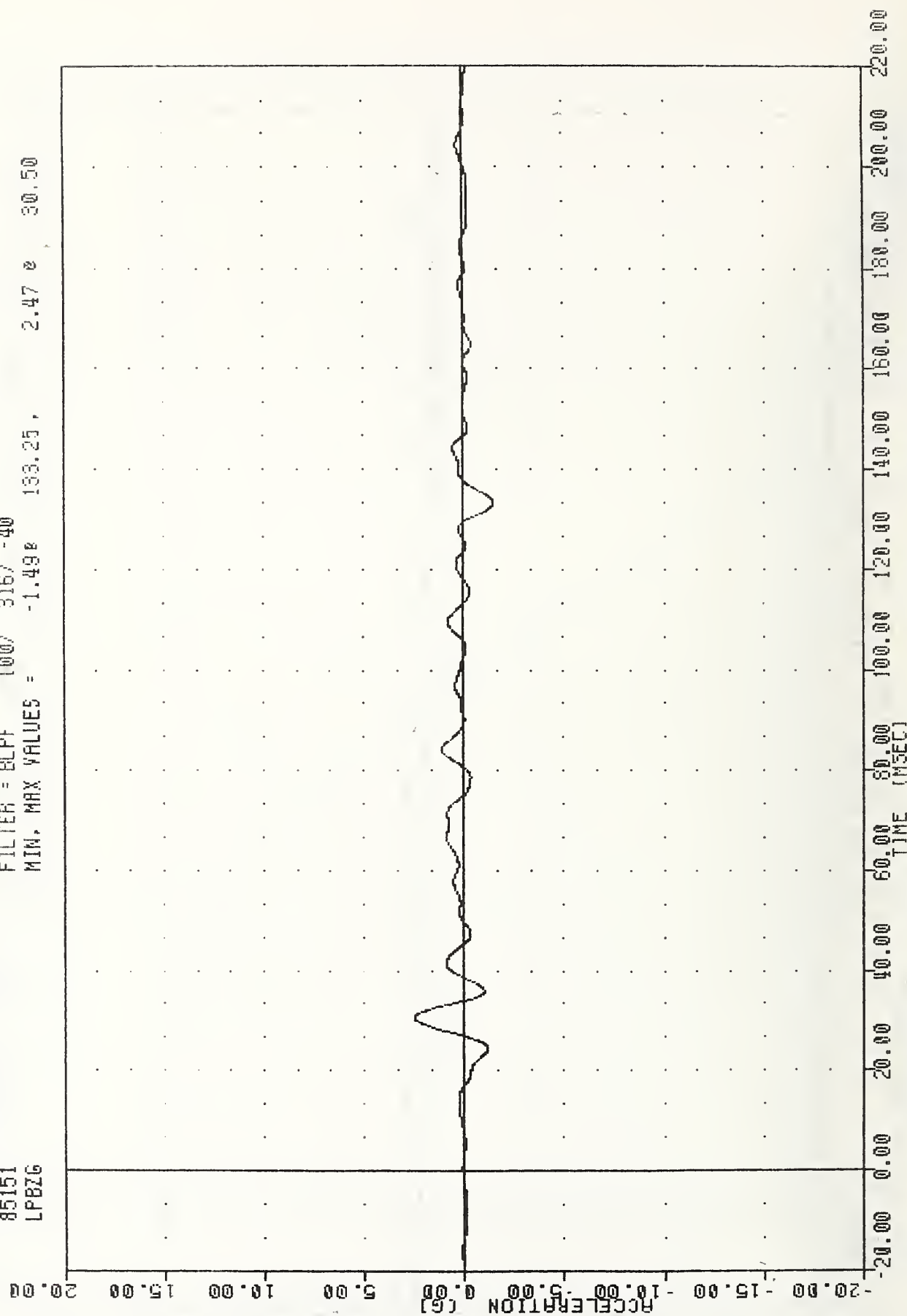
MIN. MAX VALUES = -1.56e 30.25 , 2.17 e 35.13



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

PLOT DATE 7-JUN-85 08:59:35
 FILTER = BLPF 100/ 316/ -40
 MIN, MAX VALUES = -1.49E 13

95151
LPB26



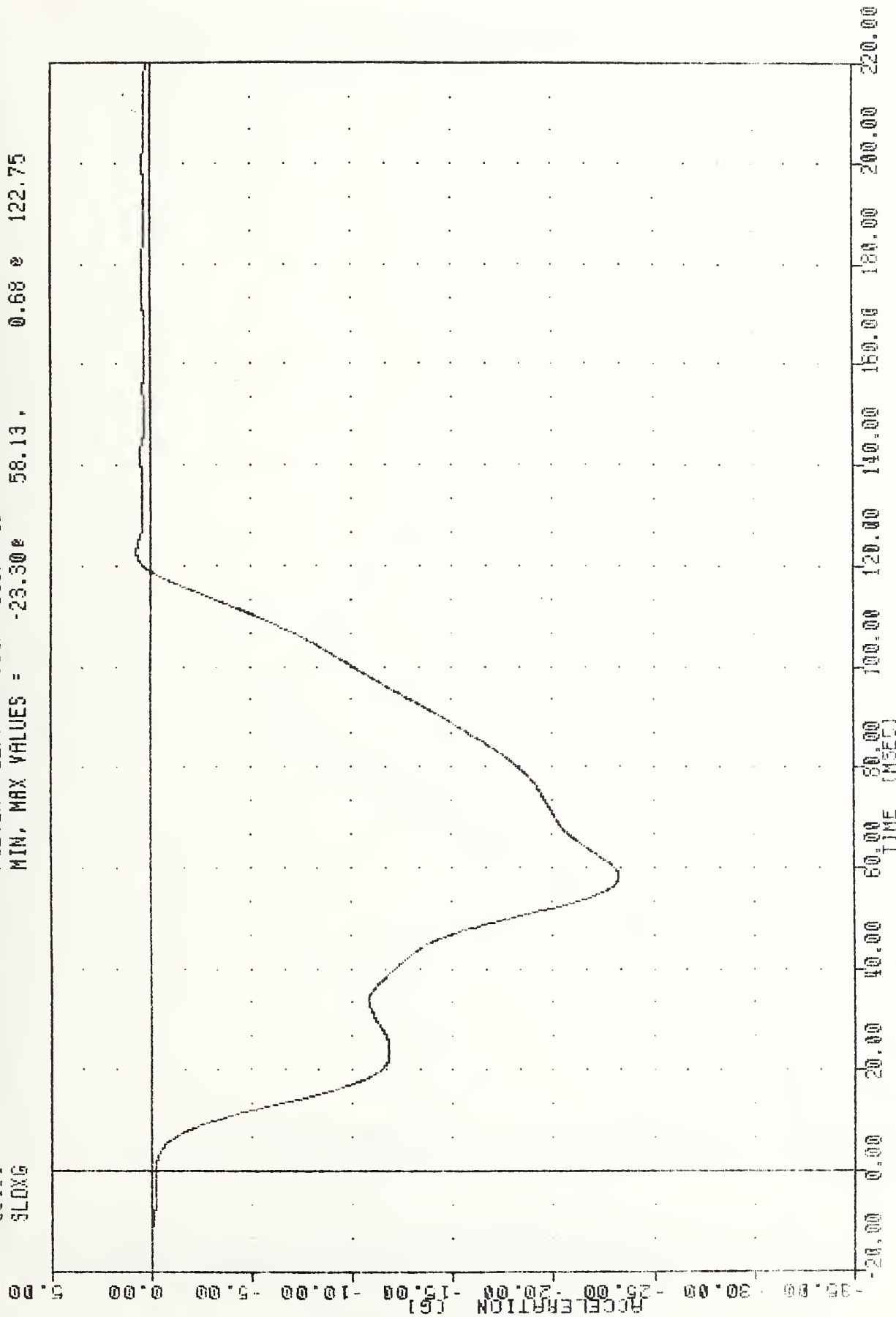
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
TIME (MSECT)
PILLAR LEFT 8 ACCELERATION Z AXIS

VRTC , R0384-4-43
BRAED AIRBAG SLED PROGRAM
85151
SLOXG

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -23.30% 58.13, 0.68% 122.75



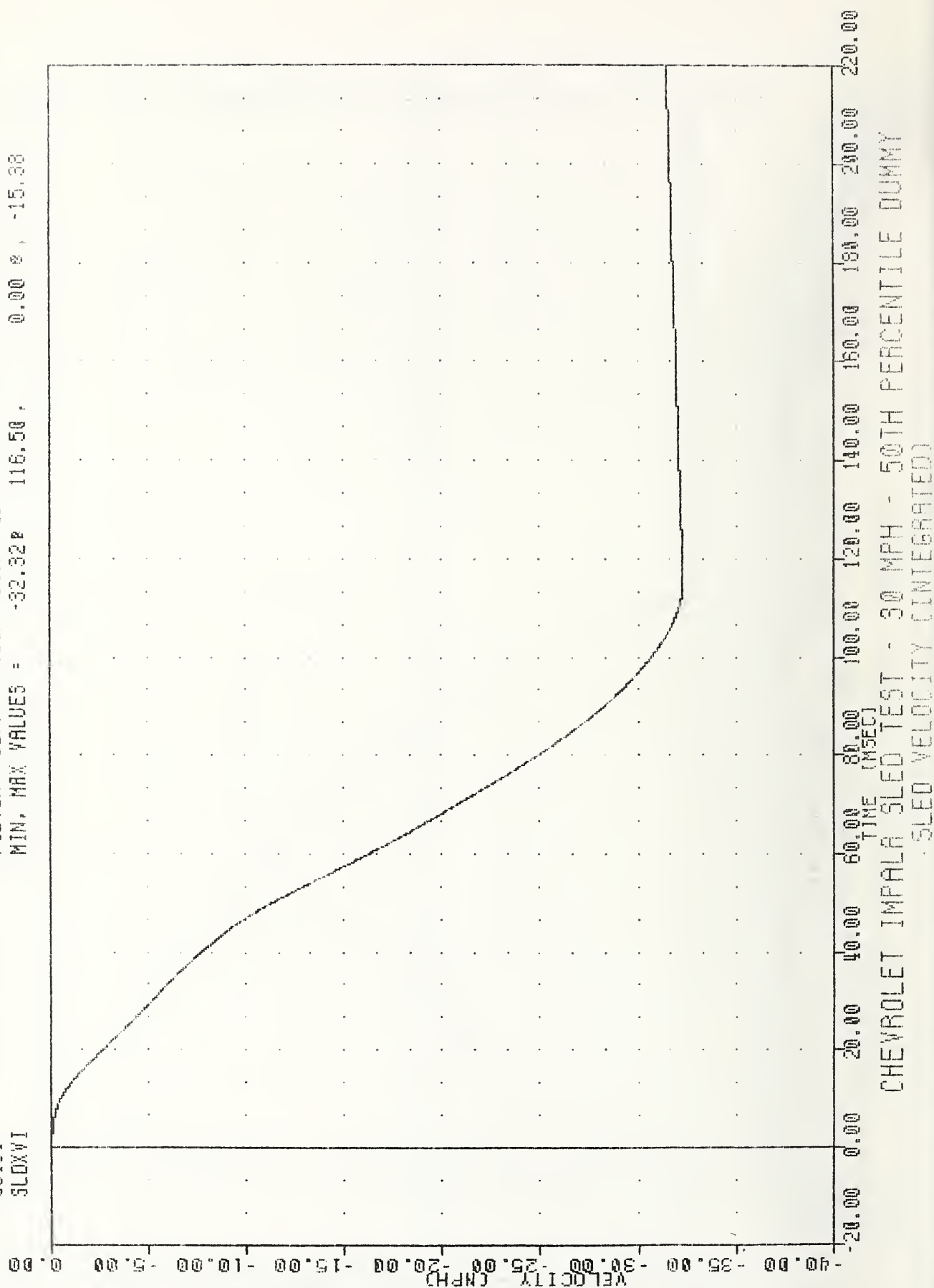
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED ACCELERATION

VRTC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
SLOXVI

PLOT DATE 7-JUN-85 08:02:34

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -32.32 118.50 0.00 0.00 -15.38



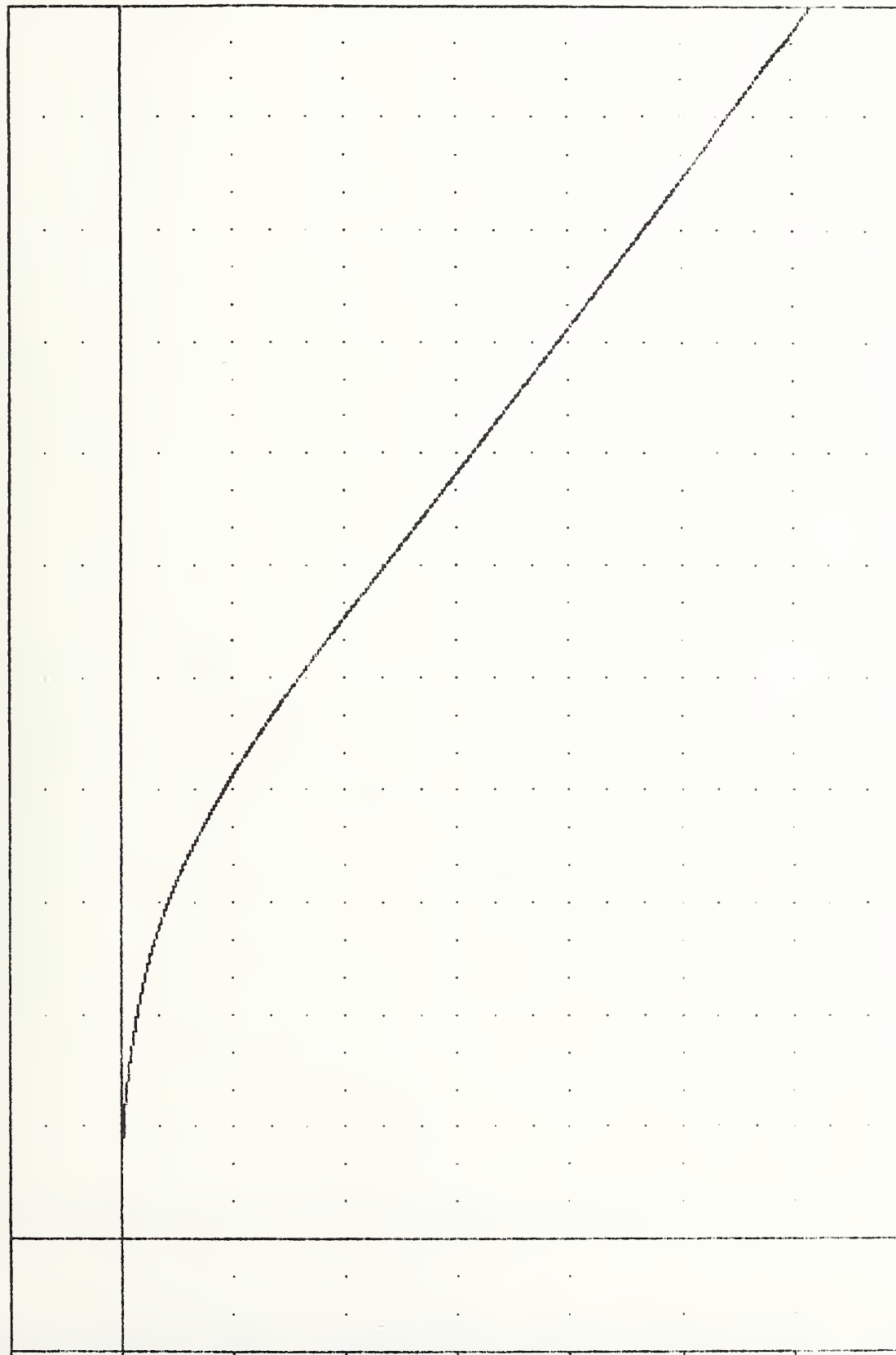
VRTC , R0304-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 SLOXO

PLOT DATE 7-JUN-85 09:02:34

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -61.88 220.00 , 0.00 8 -14.63

DISPLACEMENT (IN)



TIME (MSEC)

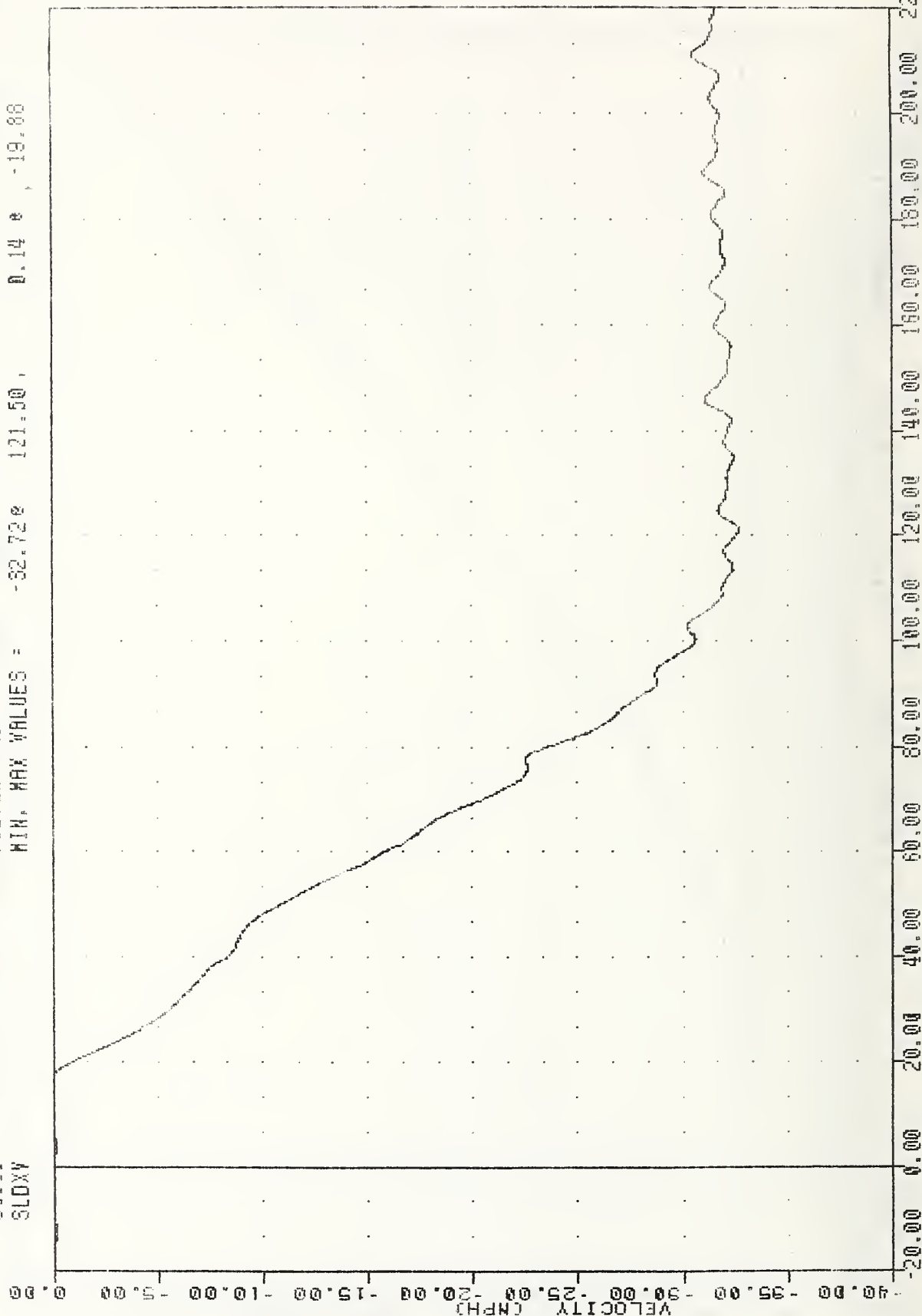
CHEVROLET IMPALA SLED TEST - 90 MPH - 50TH PERCENTILE DUMMY
 DELTA X USING SLOXVI

WRTC
BREED AIRBAG SLED PROGRAM
65151
SLOXY

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 100/ 316/ -40

MIN. MAX VALUES = -82.72 121.50 0.14 19.88



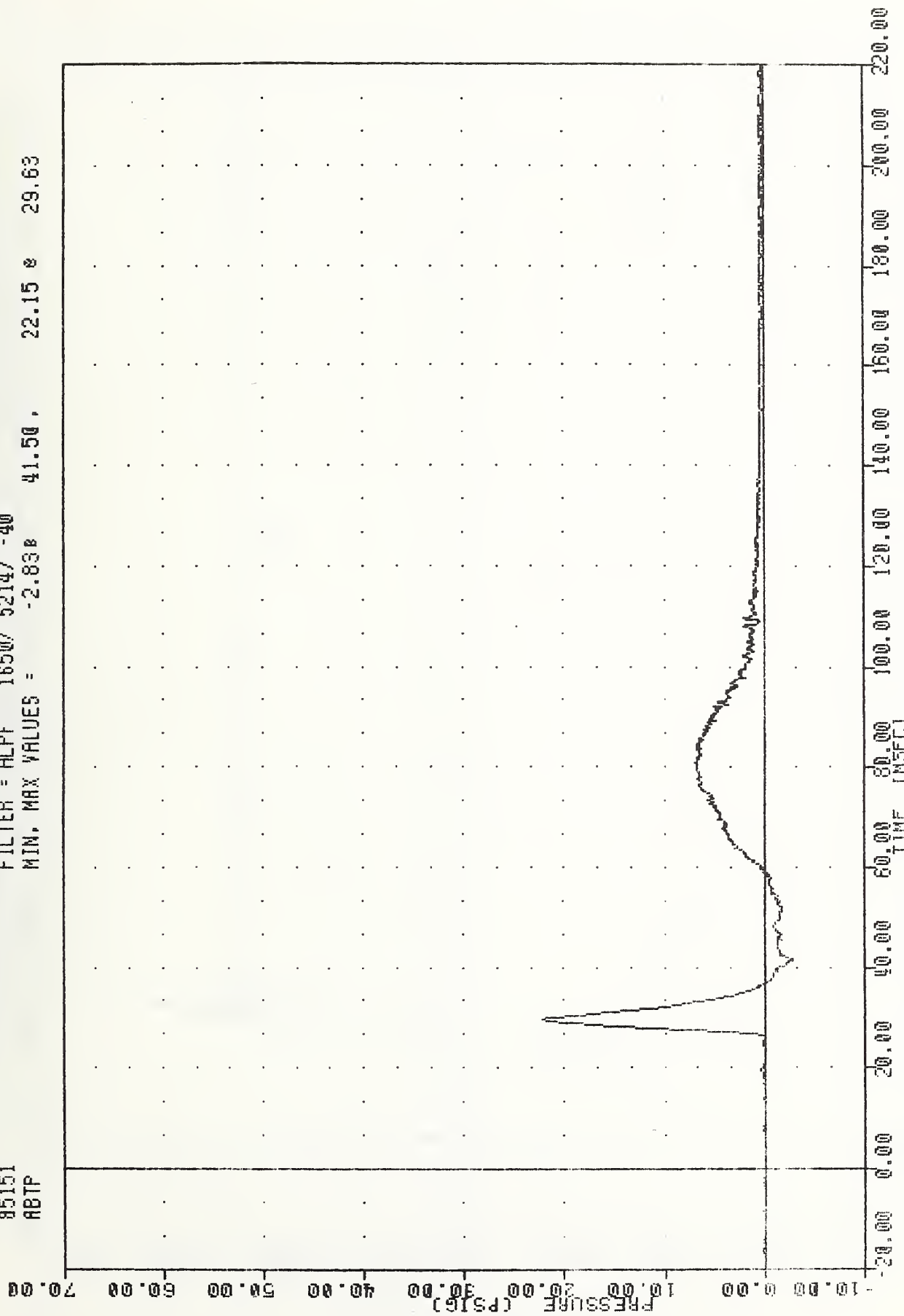
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SLED VELOCITY (CHRYSLER)

VRTO , R0304-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 ABTP

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -2.83 41.50 , 22.15 29.63



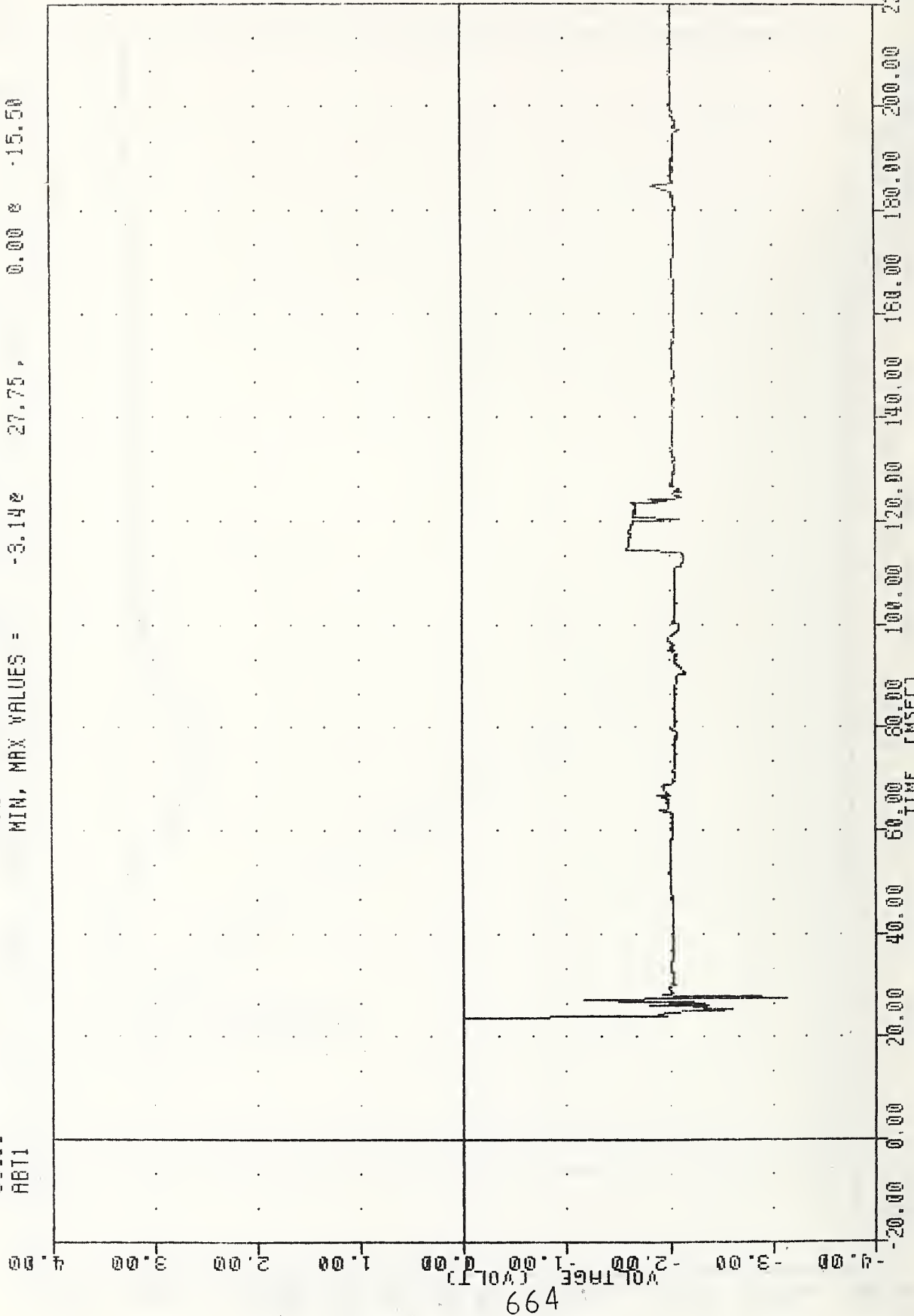
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 AIRBAG PRESSURE

VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
ABT1

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1850/ 5214/ -40

MIN, MAX VALUES = -3.142 27.75, 0.00 0 -15.50



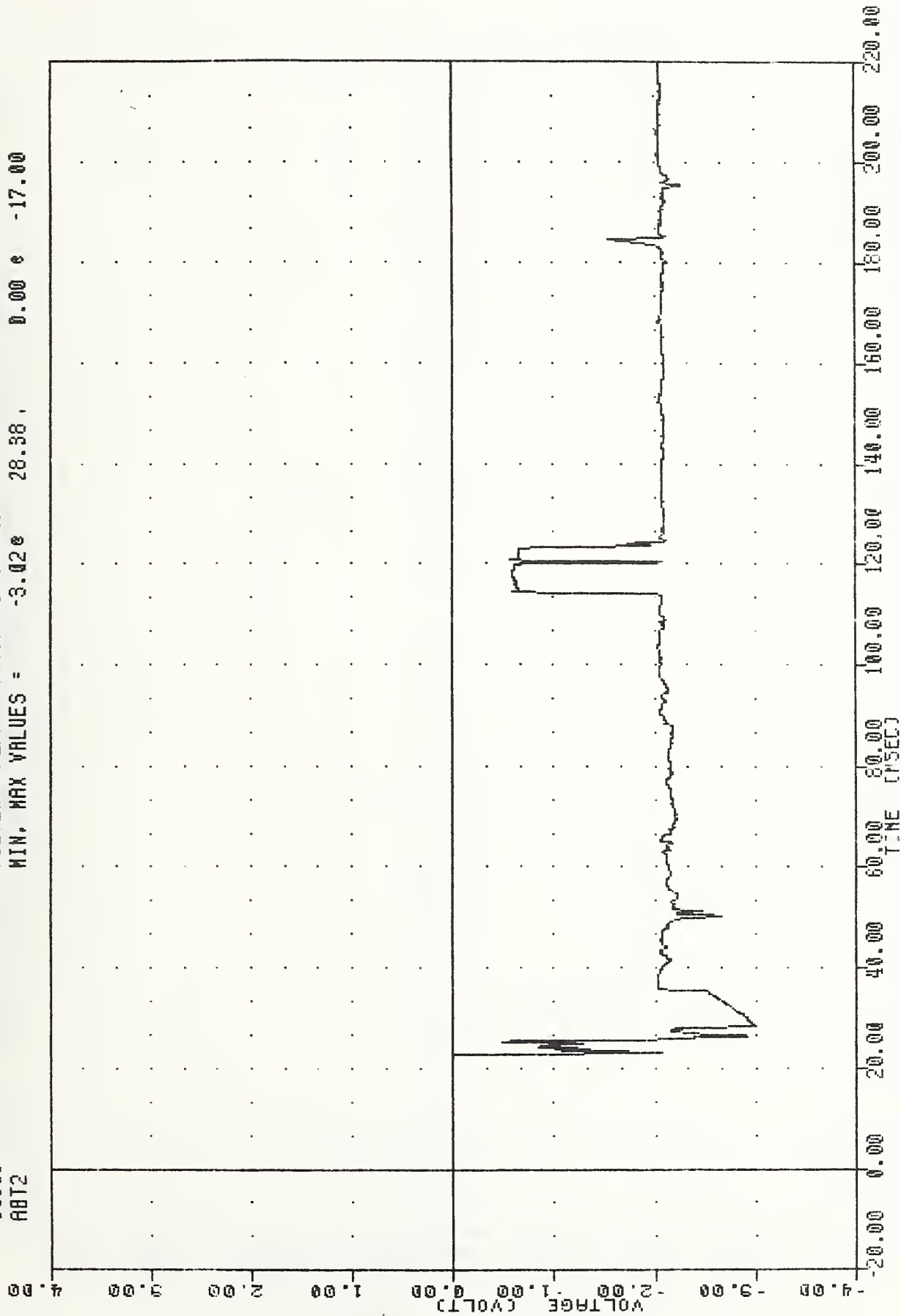
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNWIRE 1

WRTC , RD384-4-43
SPEED AIRBAG SLED PROGRAM
85151
ABT2

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -3.02e 28.38 , 0.00 e -17.00



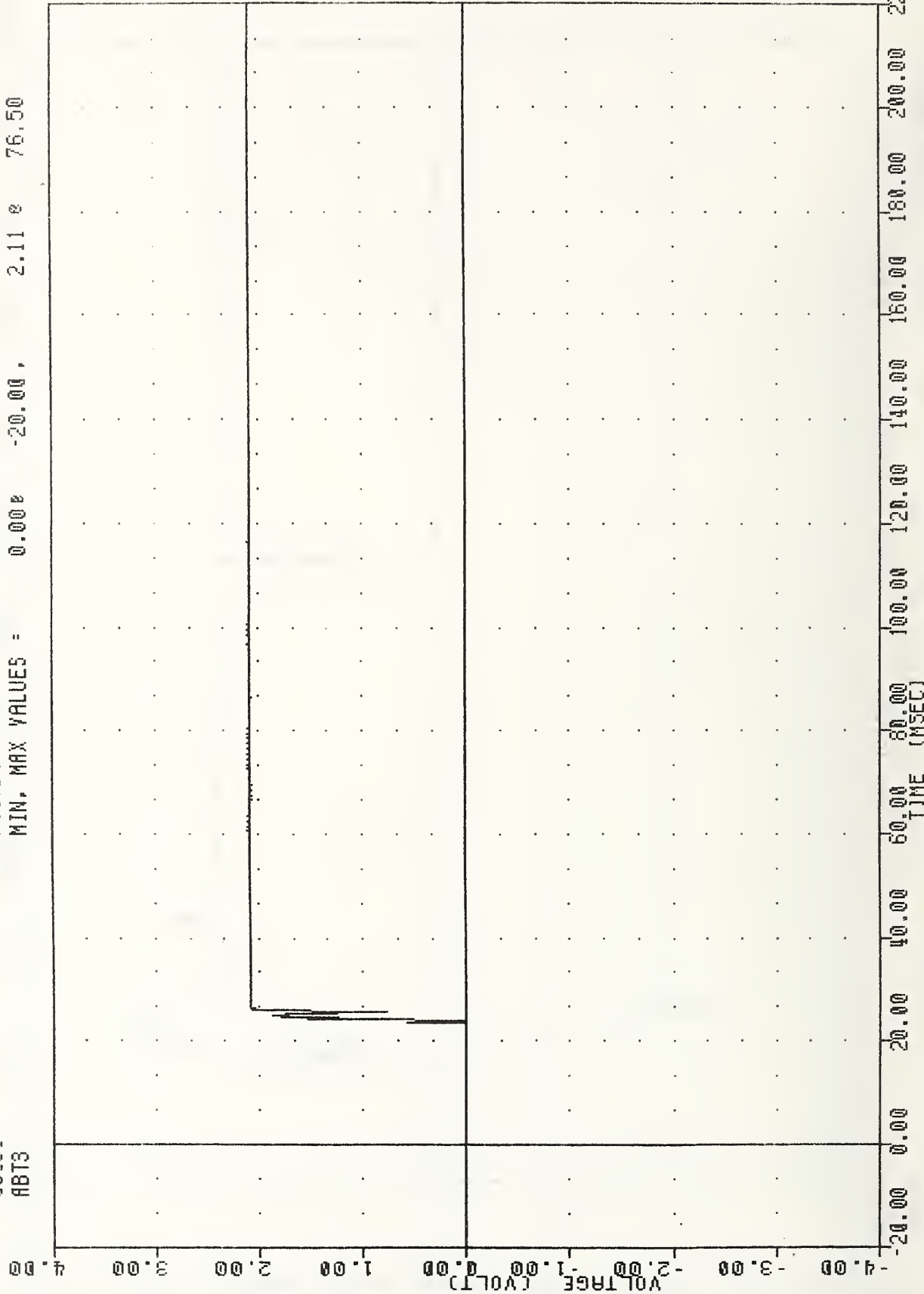
CHEVROLET IMPALA SLED TEST - 50 MPH - 50TH PERCENTILE DUMMY
SENSOR BURNTIME 2

VRTC , RD384-4-43
 BREED AIRBAG SLED PROGRAM
 85151
 ABT3

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.00e -20.00, 2.11 e 76.50



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

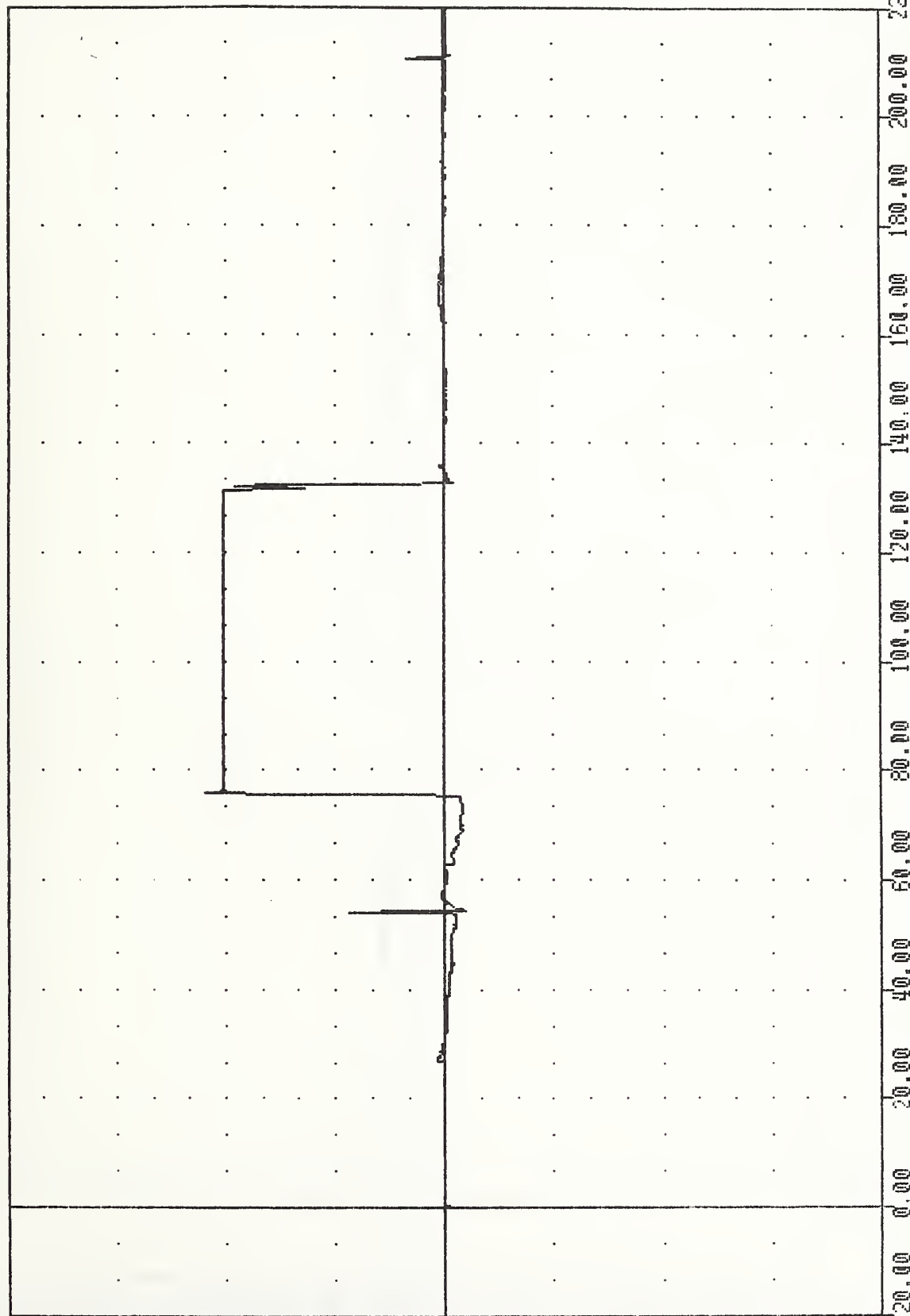
VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
ABT4

PLOT DATE 7-JUN-85 08:59:35

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.19e 54.50, 2.19 e 75.88

VOLTAGE (VOLTS)



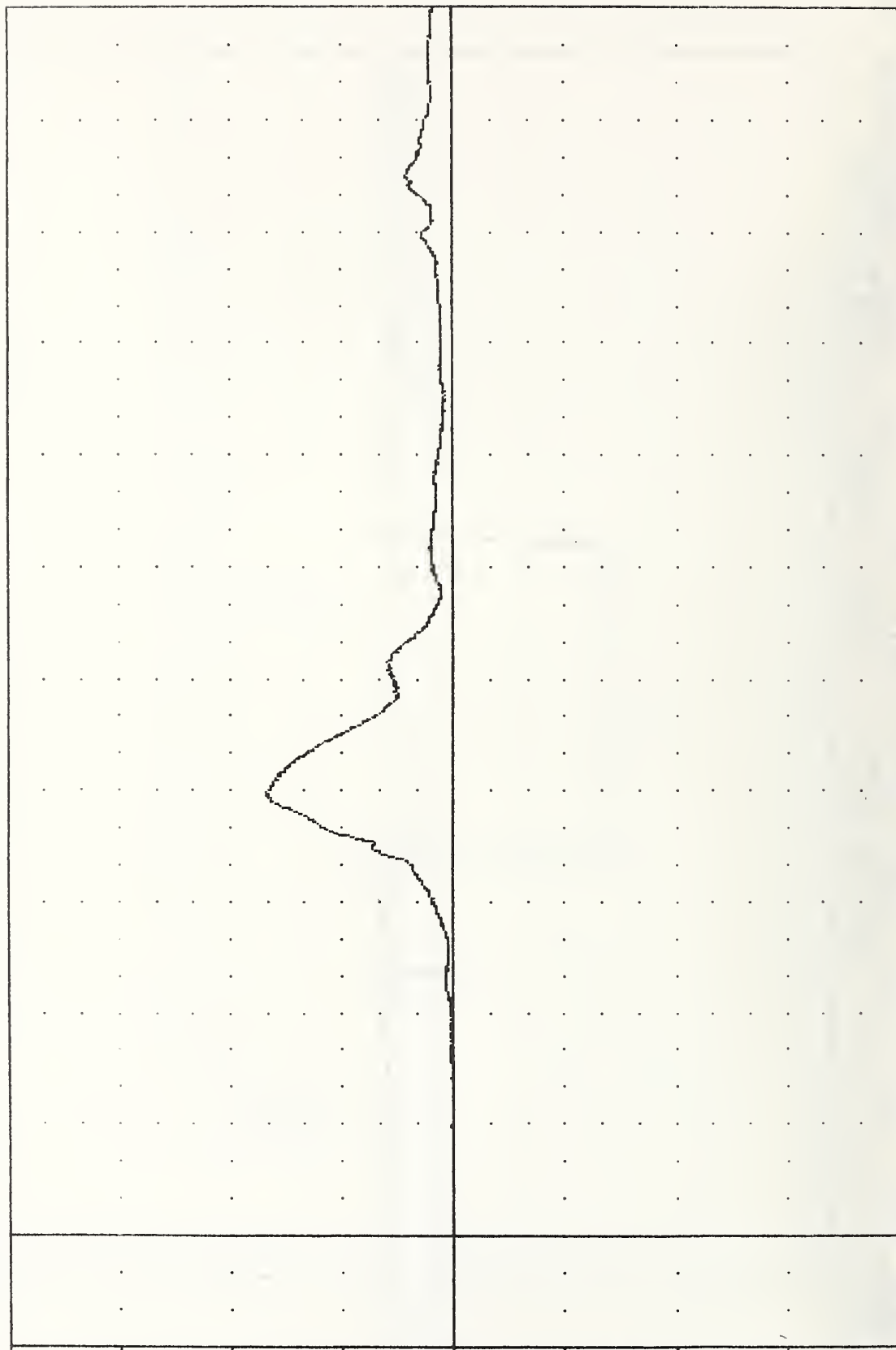
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
KNEE CONTACT

VRTC , R0384-4-43
BREED AIRBAG SLED PROGRAM
85151
HEADG1

PLOT DATE 7-JUN-85 09:00:55

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.028 8.88 , 83.99 e , 79.75

ACCELERATION (G)



668

CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER HEAD RESULTANT

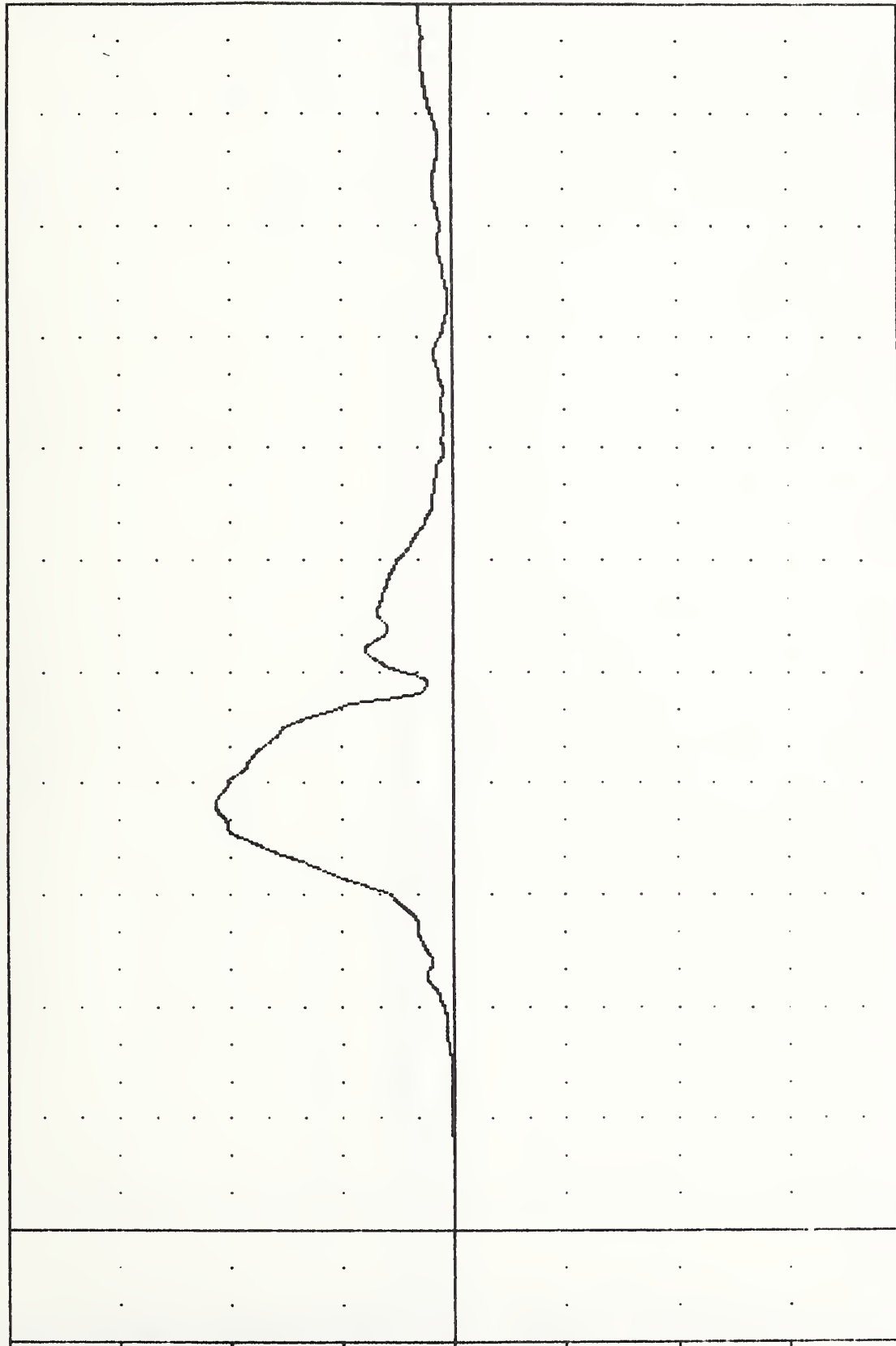
VRTC , RD384-4-13
BREED AIRBAG SLED PROGRAM
85151
CSTR61

PLOT DATE 7-JUN-85 09:00:55

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.03e -15.38 , 53.07 e 76.50

ACCELERATION (G)



669

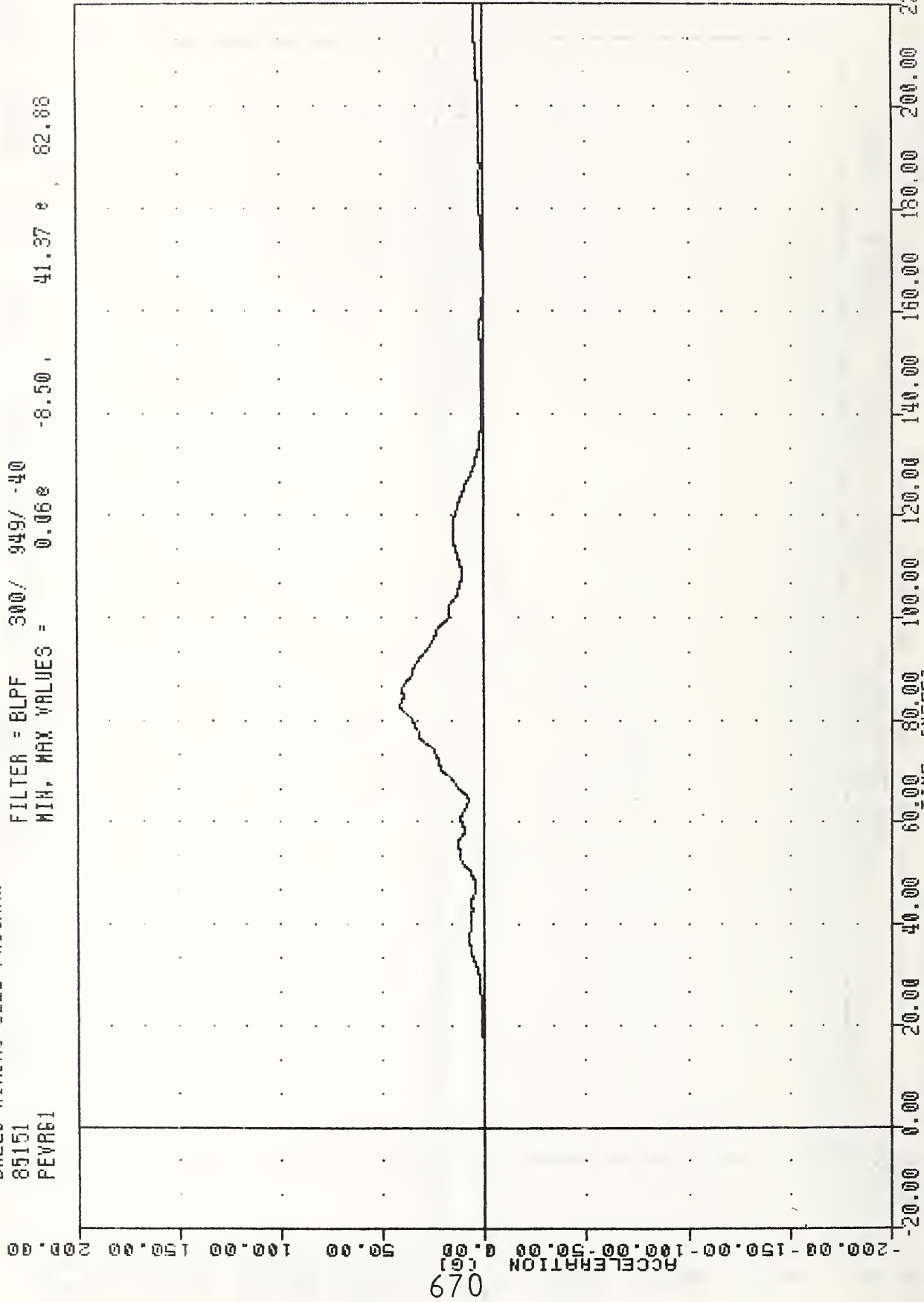
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER CHEST RESULTANT

WATC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
PEV861

PLOT DATE 7-JUN-85 09:00:55

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.06g -8.50 , 41.37 g , 82.88



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

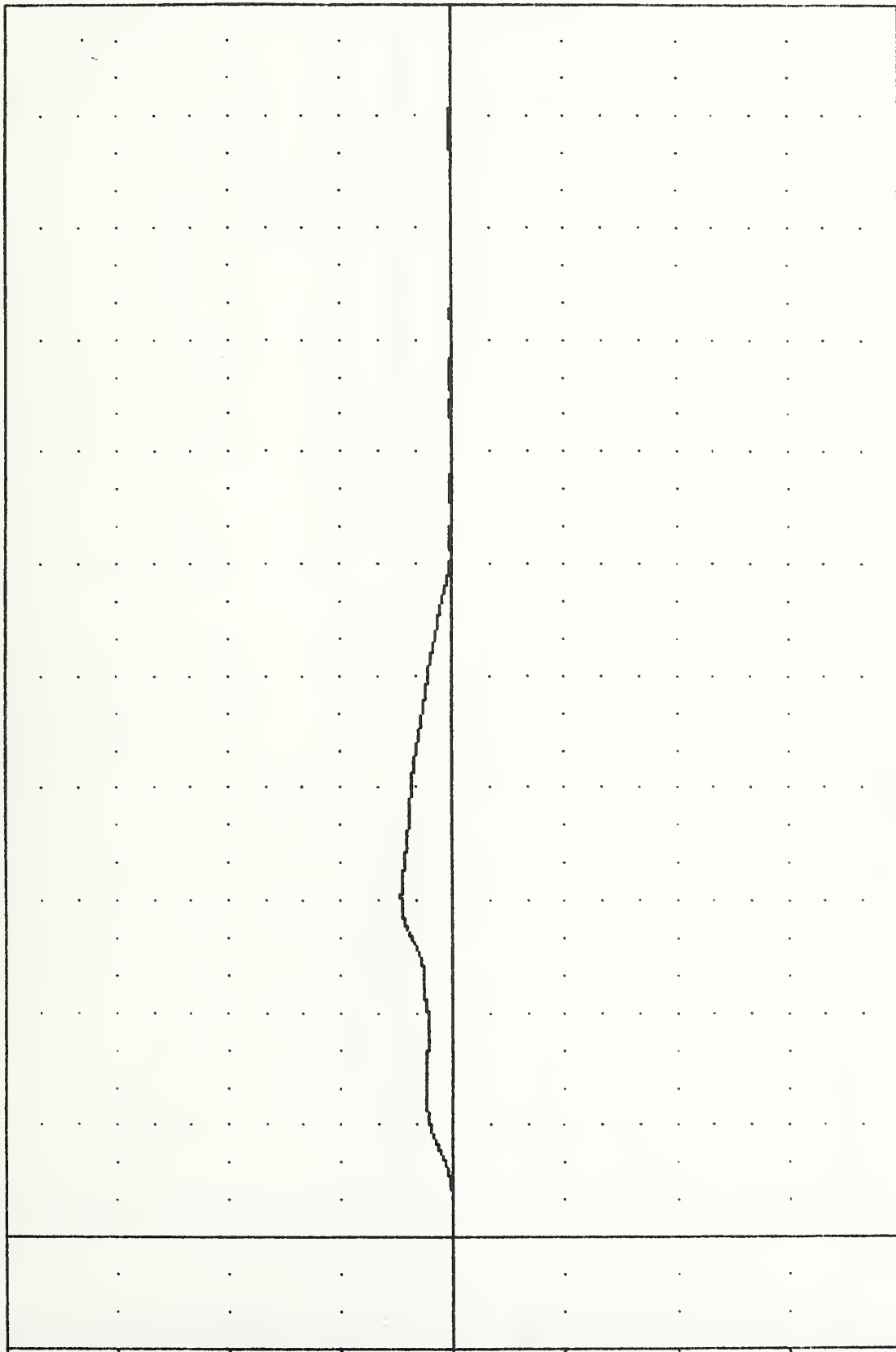
VRTC , RD384-4-43
BREED AIRBRG SLED PROGRAM
85151
LPBRG

PLOT DATE 7-JUN-85 09:00:55

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = 0.078 -6.75, 23.08 60.63

ACCELERATION [G]



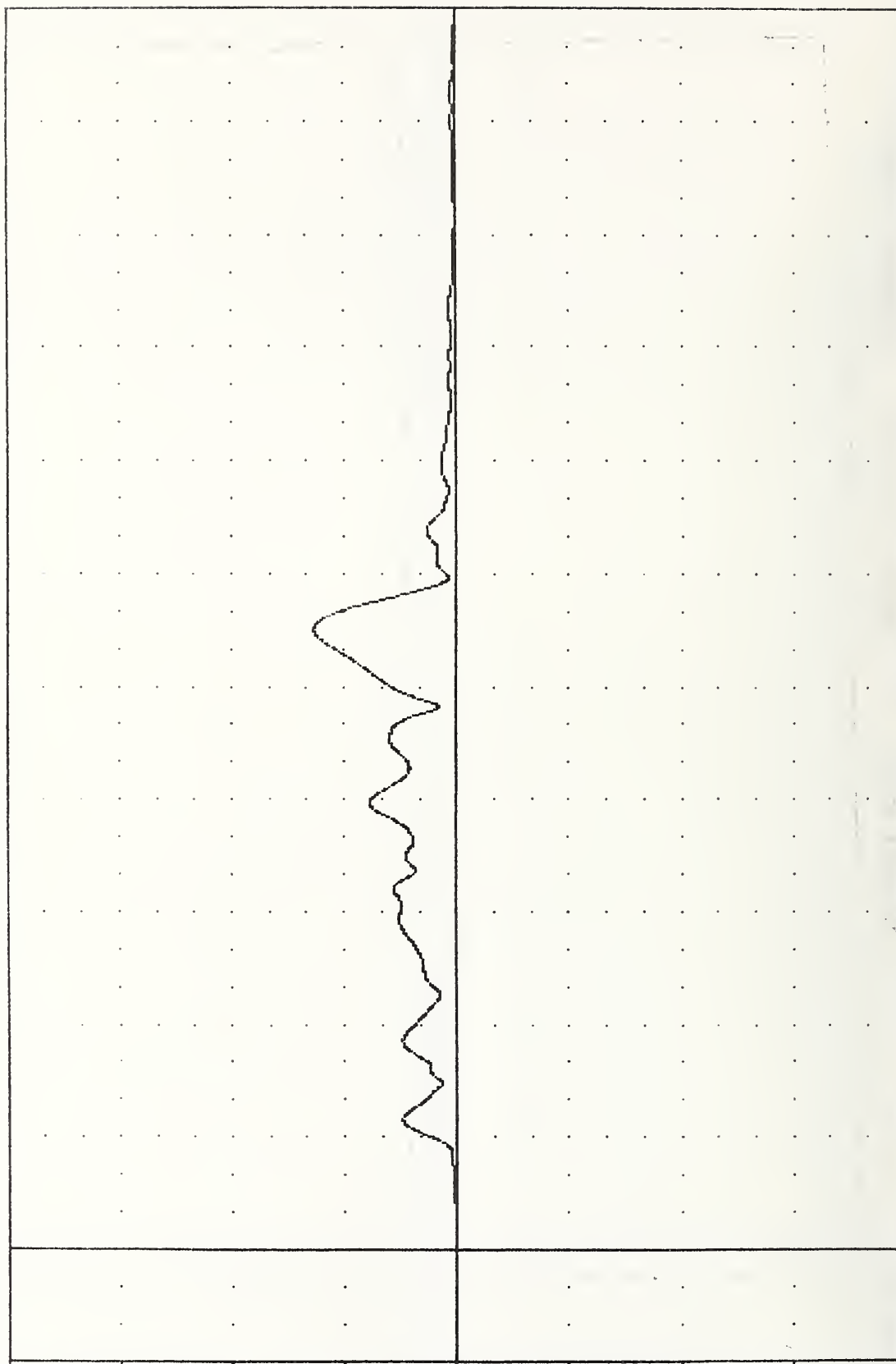
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
PILLAR LEFT B RESULTANT

VRTC , R0384-4-43
BRAED AIRBAG SLED PROGRAM
85151
5THRG

PLOT DATE 7-JUN-85 09:00:55

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = 0.118 -11.25, 63.48 8, 110.13

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

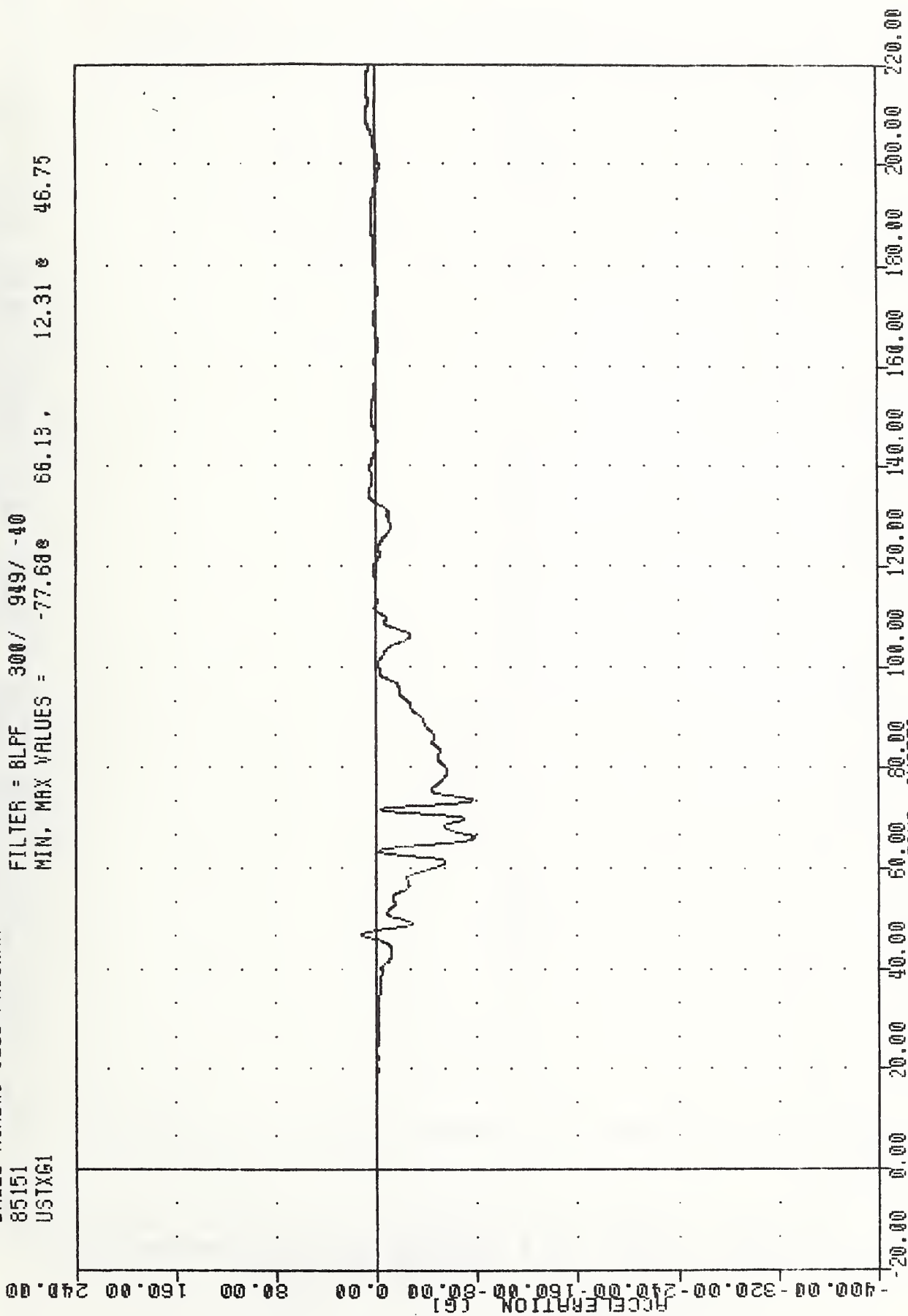
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
STEERING COLUMN HUB RESULTANT

VRIC , RD384-4-43
 BREED HIRBRO SLED PROGRAM
 85151
 USTXG1

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -77.68e 66.13 , 12.31 e 46.75



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

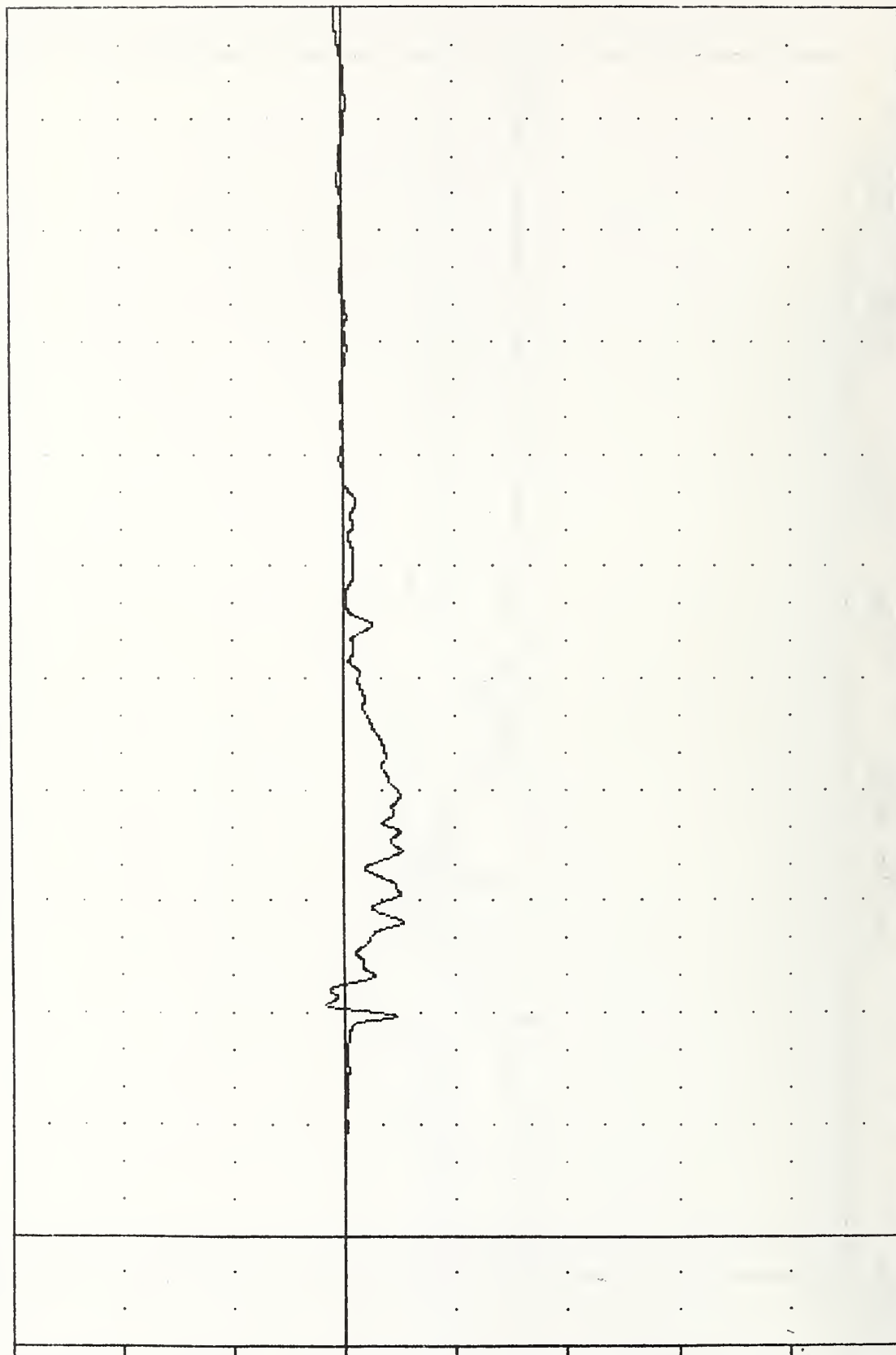
VRAC
BREED AIRBAG SLED PROGRAM
85151
LSTX61

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -42.05 56.25 13.51 41.50

ACCELERATION (G)



674

TIME (MSEC)

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

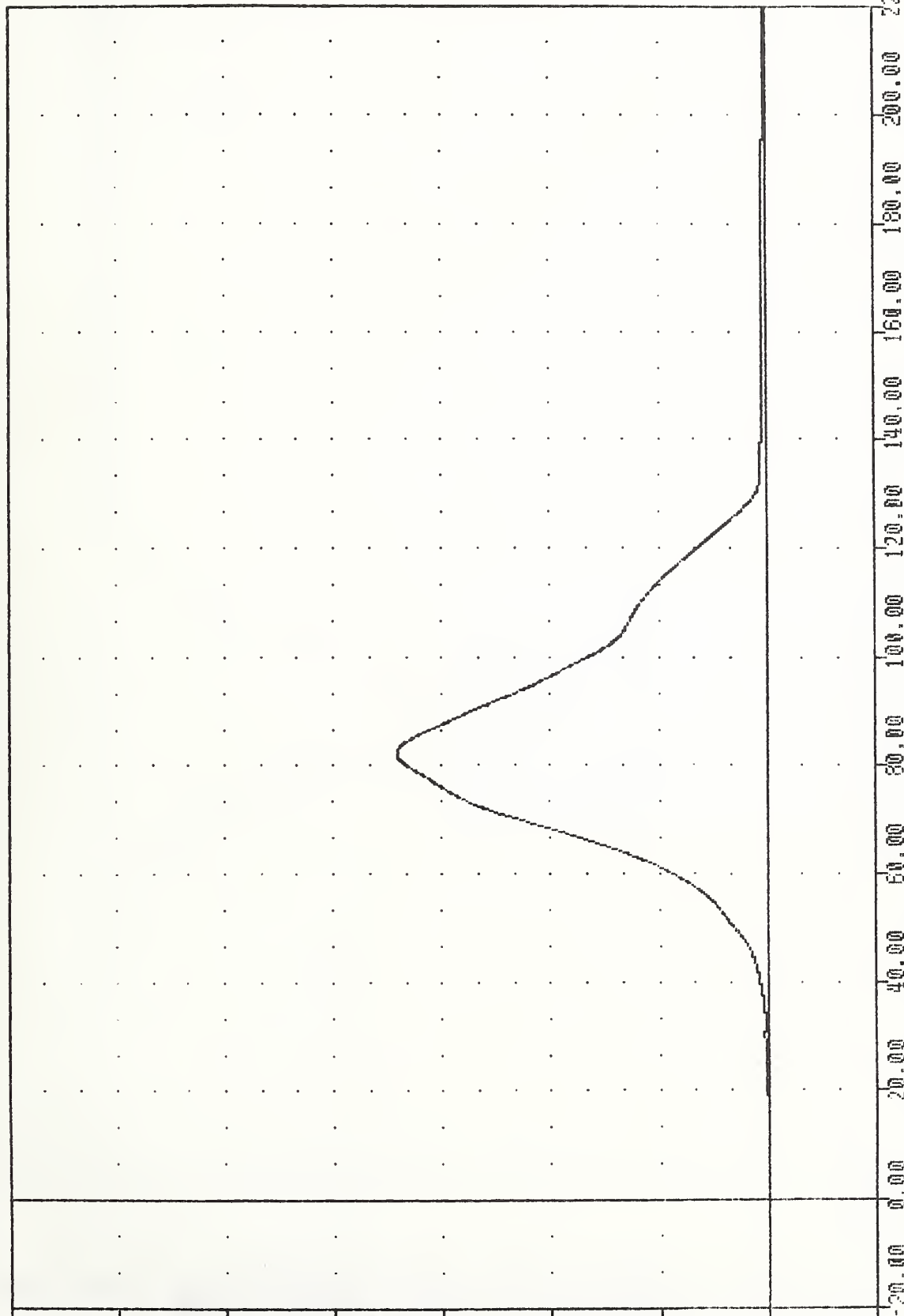
VRTC , RD384-4-43
BREED AIRBAG SLED PROGRAM
85151
SHBF1

PLOT DATE 7-JUN-85 08:59:35

FILTER = 8LPF 100/ 316/ -40

MIN. MAX VALUES = -0.17e -15.00, 1366.47 e 82.25

675
FORCE (LB)
(X10³)



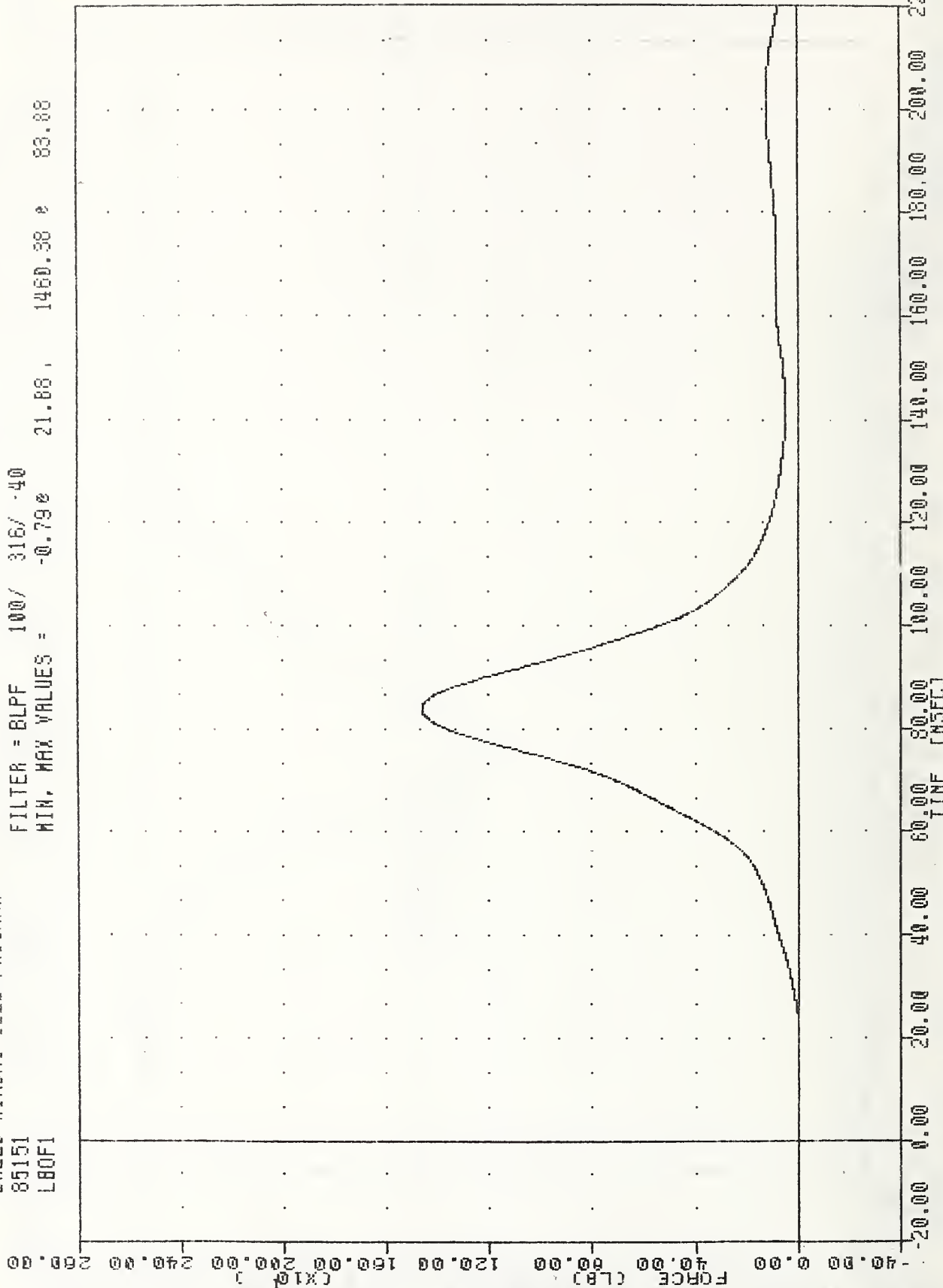
CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
DRIVER SHOULDER BELT FORCE LBS

VRTC
 BREED AIRBAG SLED PROGRAM
 85151
 LB0F1

PLOT DATE 7-JUN-85 08:59:35

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.79e 21.88, 1460.38 e 83.88



CHEVROLET IMPALA SLED TEST - 30 MPH - 50TH PERCENTILE DUMMY
 DRIVER LAP BELT FORCE LBS

TL 242 "E875

Esser "

Breed air bag
program

Form DOT F 1720.2
FORMERLY FORM DOT F

DOT LIBRARY



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