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U.S. Department
of Transportation
National Highway
Traffic Safety
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AIRBAG DEMONSTRATION PROGRAM
Volume I

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16. Abstract Sled tests were performed using a driver-only air bag system in conjunction with various belting systems to determine injury criteria using 5th, 50th, and 95th percentile dummies. This report is a compilation and description of those tests.					
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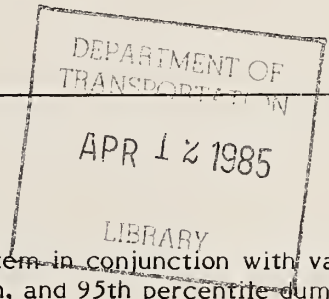


Table of Contents

Introduction	1
Results	2
Table 1 Ford Results	3
Table 2 Dodge Results	4
Table 3 Ford Wheel Crush	5
Table 4 Dodge Wheel Crush	6
Appendix 1 Placement Charts	7
Appendix 2 Photographs	15
Appendix 3 Data Charts	69

1.0 Introduction

1.1 Background

The Department of Transportation, National Highway Traffic Safety Administration (DOT/NHTSA) is committed to encourage and seek automotive restraint system demonstration projects and to assure new and continued research into the manufacturing, testing and availability of advanced technology for the American car-buying public. This project contributes to part of this overall effort by demonstrating automatic restraint systems in a controlled laboratory environment.

This test program involves the retrofiting of a driver air bag system into the primary vehicles of choice for police car fleets. A driver only system is logical for these vehicles since the majority of the time only a driver is present. Based on previous studies, the cost-effectiveness of such a system is extremely high compared to a full front seat system, since a driver system is cheaper than a passenger system while providing substantial benefits in terms of lives and injuries saved compared to vehicles having no air bags.

1.2 Objective

The objective of this program is to evaluate a driver air bag retrofit system, including hardware, for the primary police fleet vehicles purchased from major U.S. automotive manufacturers. A sufficient number of retrofit kits will ultimately be produced and installed into several state police fleets for demonstration purposes. The results from this program will hopefully encourage other fleet operators to install the system in their vehicles.

The Vehicle Research and Test Center (VRTC) was asked to conduct a series of 29 sled tests to provide data for the system evaluation phase of this project. FMVSS 208 requirements were used to judge system performance. Sled bucks representing the two vehicles selected for kit installation were used. These vehicles are a 1982 Plymouth Gran Fury/Dodge Diplomat and a 1978 Ford LTD. The system was tested using a 5th percentile female, and 50th and 95th percentile male dummies in the unrestrained, lap belted, and shoulder belted conditions in conjunction with the air bag system. Testing was performed between October 10 and November 29 as follows:

1. Runs 1-20 were performed using the 1978 Ford LTD body buck. Tests 21-29 were performed using the 1982 Plymouth Gran Fury body buck.
2. Runs 1-14 and 19, 20 were performed at a nominal sled velocity of 32.5 mph. Pulse duration was 120 msec. with a peak acceleration of 23 g's.
3. Runs 15 and 16 were performed at a nominal sled velocity of 38.6 mph. Pulse duration was 125 msec. with a peak acceleration of 27 g's.
4. Runs 17 and 18 were conducted with the sled yawed 15 deg. to the right such that the driver trajectory was toward the left A-pillar. The sled velocity was nominally 33.8 mph. Pulse duration was 142 msec. with a peak acceleration of 19.7 g's.
5. Runs 21 through 29 were performed at a nominal sled velocity of 32.5 mph. Pulse duration was 120 msec. with a nominal acceleration of 21 g's.
6. Test number 24 used a 67 gram generator in place of the standard 72 gram unit used throughout the rest of the program.

2.0 Results

Tables 1 - 4 summarize the data obtained from these tests. Appendices one and two and three follow with placement charts, photographs, and data charts respectively.

Table 1. Ford LTD
VRTC Sled Tests

Date	Run	Dummy	Restraint	Vent	HIC	G's	Maximum Speed	Femur Left	Femur Right	Loads Right	Chest	Resultants Head
Oct 10	1	50th	AB,KB	None	524	23.2	32.3	1426	1486	1486	55.8	72.1
Oct 11	2	50th	AB,KB	40mm	489	23.3	32.5	1253	1393	1393	51.3	161.7
Oct 12	3	50TH	AB,KB	25mm	209	23.3	32.5	1690	1574	1574	39.3	48.3
Oct 13	4	50th	AB,KB,+3PT	25mm	510	23.1	32.4	380	427	427	36.3	80.8
Oct 14	5	50th	AB,KB,Stiff Spokes	25mm	438	23.5	32.5	1667	1705	1705	43.5	55.0
Oct 17	6	50th	AB	25mm	263	23.4	32.5	1248	3002	3002	42.0	45.7
Oct 18	7	50th	3PT	N/A	865	23.3	32.5	413	433	433	37.2	208.4
Oct 19	8	95th	AB,KB,+3PT	25mm	644	23.6	32.7	488	518	518	48.4	78.4
Oct 20	9	95th	AB,KB,+2PT	25mm	858	23.6	32.7	494	516	516	55.2	79.8
Oct 21	10	95th	AB,KB	25mm	436	23.5	32.5	1728	2445	2445	56.7	71.7
Oct 24	11	50th	AB,KB,+2PT	25mm	468	23.2	32.6	430	702	702	67.6	51.7
Oct 25	12	50th	2PT	N/A	2584	23.2	32.5	242	410	410	59.8	404.0
Oct 26	13	5th	AB,KB	25mm	276	23.4	32.8	1447	569	569	43.8	150.6
Oct 27	14	5th	AB,KB,+2PT	25mm	234	23.4	32.8	174	182	182	58.6	47.1
Oct 28	15	50th	AB,KB,+3PT	25mm	664	26.6	38.6	772	842	842	52.0	67.6
Oct 31	16	50th	AB,KB	25mm	768	26.6	38.4	1816	1826	1826	74.8	100.8
Nov 1	17	50th	AB,KB	25mm	369	19.7	33.0	1138	2324	2324	31.6	124.0
Nov 2	18	50th	AB,KB,+2PT	25mm	692	19.7	33.0	370	288	288	37.5	142.7
Nov 3	19	50th	AB,KB	25mm	344	23.2	32.4	1697	1551	1551	40.4	64.8
Nov 4	20	50th	None	N/A	2401	23.3	32.5	1992	2755	2755	70.1	388.5

AB - Air Bag

KB - Knee bar

2PT - Lap belt

3PT - Lap and Shoulder Belt

Table 2 Plymouth Gran Fury
VRTC Sled Tests

Date	Run	Dummy	Restraint	Vent	HIC	G's	Maximum Speed	Femur Left	Femur Right	Loads Right	Chest	Resultants Head
Nov 14	21	50th	AB,KB,+3PT	25mm	518	20.4	31.9	345		403	34.3	56.0
Nov 15	22	50th	AB,KB	25mm	502	20.8	32.4	1958		1604	53.8	56.4
Nov 16	23	50th	AB,KB,+2PT	25mm	607	21.0	32.4	657		735	52.1	60.4
Nov 17	24	50th	AB,KB (67 gm. Gen.)	25mm	543	21.1	32.4	1746		1487	58.2	59.2
Nov 18	25	95th	AB,KB,+3PT	25mm	734	21.1	32.4	465		500	34.1	79.0
Nov 21	26	95th	AB,KB,+2PT	25mm	1041	20.9	32.2	589		623	68.3	104.6
Nov 23	27	95th	AB,KB	25mm	801	21.2	32.2	1983		1703	69.9	111.6
Nov 28	28	5th	AB,KB,+3PT	25mm	338	21.1	32.6	436		475	40.6	52.0
Nov 29	29	5th	AB,KB	25mm	202	21.2	32.6	1460		1223	48.1	73.5

AB - Air Bag 2PT - Lap Belt
 KB - Knee Bar 3PT - Lap and Shoulder Belt

TABLE 3 Steering Wheel and Steering Column Stroke
Ford LTD

Test	UL	UR	LR	LL	Column
1	72mm	82mm	66mm	60mm	119mm
2	57mm	64mm	77mm	62mm	124mm
3	45mm	76mm	77mm	46mm	111mm
4	51mm	50mm	4mm	4mm	58mm
5	18mm	63mm	68mm	28mm	83mm
6	43mm	59mm	85mm	72mm	142mm
7	Standard Wheel				19mm
8	61mm	64mm	17mm	12mm	33mm
9	56mm	96mm	87mm	49mm	161mm
10	56mm	75mm	79mm	64mm	158mm
11	53mm	81mm	77mm	52mm	154mm
12	Standard Wheel				158mm
13	42mm	52mm	98mm	86mm	72mm
14	69mm	71mm	53mm	55mm	18mm
15	61mm	69mm	30mm	33mm	87mm
16	59mm	64mm	70mm	51mm	161mm
17	87mm	48mm	49mm	78mm	33mm
18	89mm	41mm	31mm	70mm	53mm
19	55mm	66mm	77mm	68mm	110mm
20	Standard Wheel				160mm

UL - rim stroke at location of upper left spoke
 UR - rim stroke at location of upper right spoke
 LR - rim stroke at location of lower right spoke
 LL - rim stroke at location of lower left spoke

TABLE 4 Steering Wheel and Steering Column Stroke
Plymouth Gran Fury

Test	UL	UR	LR	LL	Column
21	52mm	48mm	34mm	35mm	37mm
22	64mm	66mm	58mm	57mm	55mm
23	60mm	61mm	73mm	71mm	56mm
24	40mm	57mm	106mm	98mm	50mm
25	55mm	60mm	31mm	27mm	44mm
26	72mm	69mm	60mm	61mm	55mm
27	43mm	38mm	118mm	114mm	57mm
28	62mm	56mm	26mm	31mm	0mm
29	44mm	46mm	82mm	74mm	49mm

UL - rim stroke at location of upper left spoke

UR - rim stroke at location of upper right spoke

LR - rim stroke at location of lower right spoke

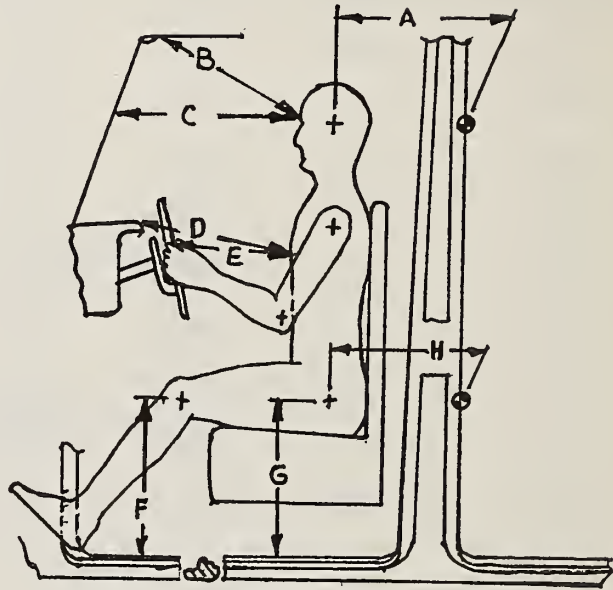
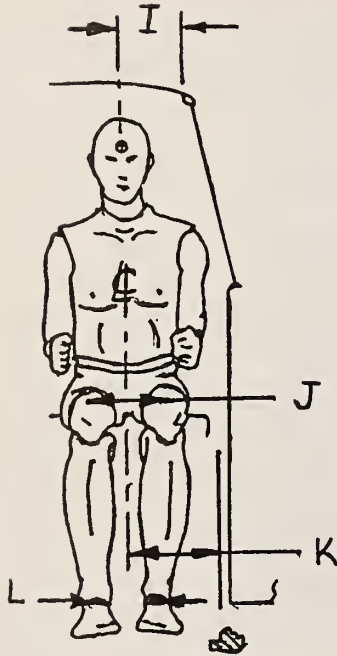
LL - rim stroke at location of lower left spoke

Appendix 1

Placement Charts

TEST NO. 1-7,11,12-15,18-20 DUMMY 50TH

VEHICLE FORD LTD



A = 9.0

E = 9.3125

I = 8.5625

B = 14.125

F = 10.0

J = 9.0

C = 20.75

G = 7.0

K = 15.0

D = 20.375

H = 16.0

L = 7.0

SEAT POSITION: MIDDLE

PRE TEST TILT POSITION: 1ST NOTCH DOWN FROM CENTER

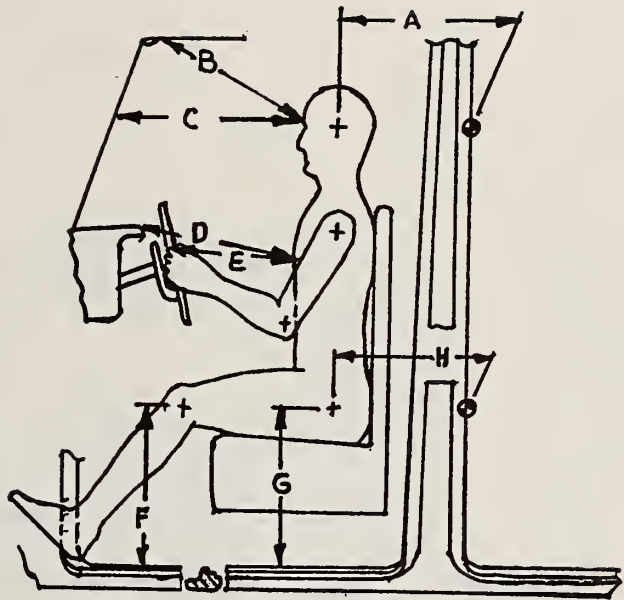
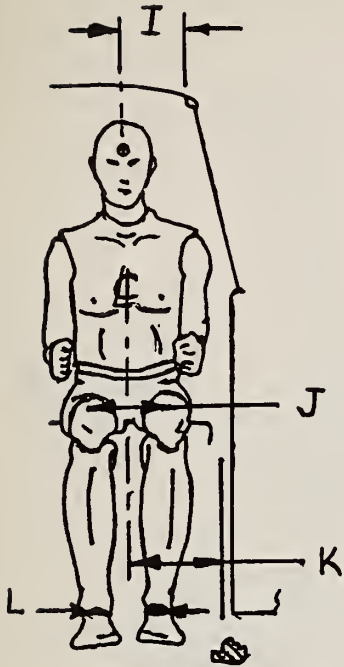
HEAD REST POSITION: FULL UP

SEAT BACK ANGLE: 21.75 DEG.

TEST NO. 8-10

DUMMY 95TH

VEHICLE FORD LTD



A = 6.5

E = 11.125

I = 8.5

B = 17.5

F = 10.25

J = 9.5

C = 23.5

G = 7.5

K = 15.0

D = 22.5

H = 12.75

L = 7.0

SEAT POSITION: FULL BACK

PRE TEST TILT POSITION: 1ST NOTCH DOWN FROM CENTER

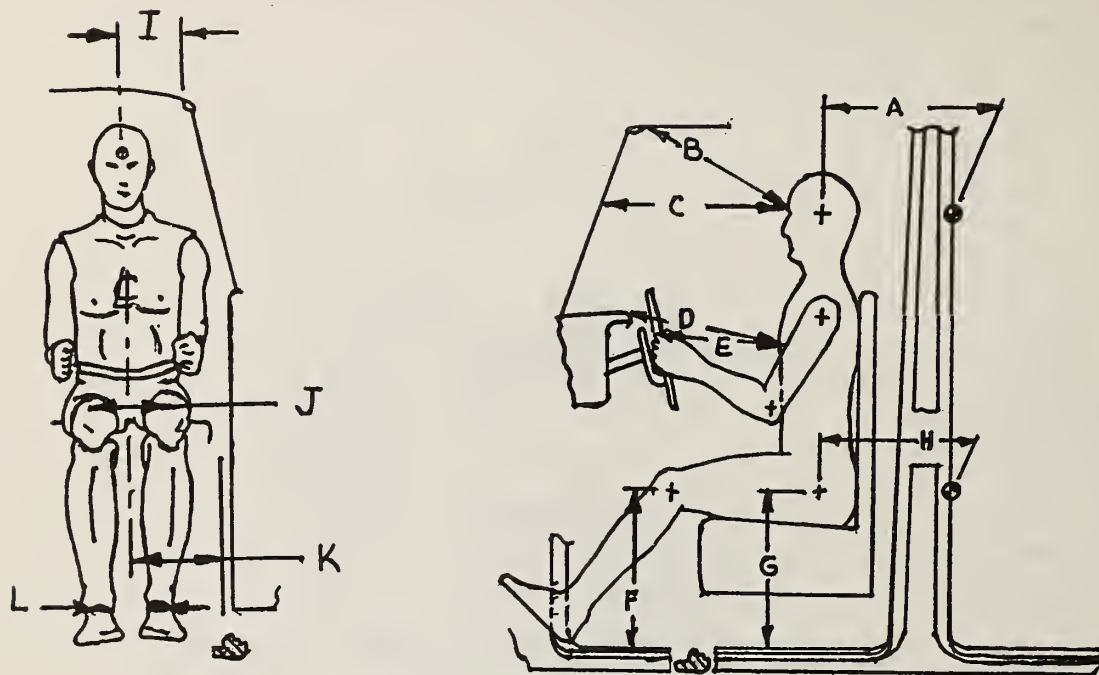
HEAD REST POSITION: FULL UP

SEAT BACK ANGLE: 22 DEG

TEST NO. 13,14

DUMMY 5TH FEMALE

VEHICLE FORD LTD



A = 11.25

E = 9.25

I = 8.5

B = 14.0625

F = 9.375

J = 9.0

C = 24.5625

G = 7.25

K = 15.0

D = 20.375

H = 17.0

L = 7.0

SEAT POSITION: 3RD NOTCH BACK FROM FORWARD

PRE TEST TILT POSITION: 1ST NOTCH DOWN FROM CENTER

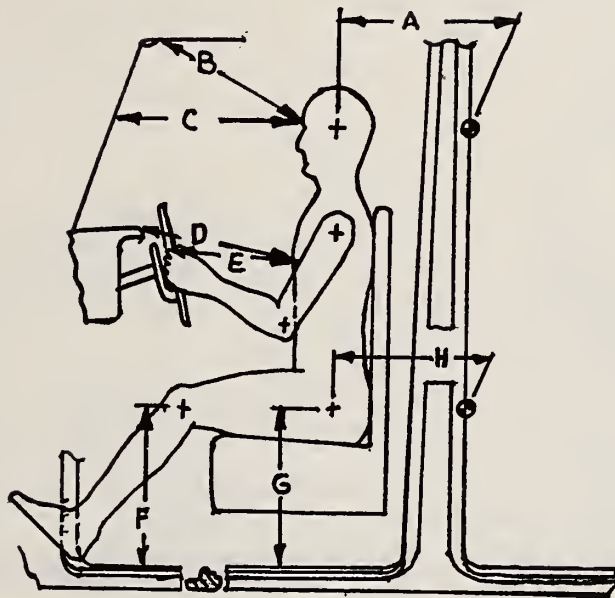
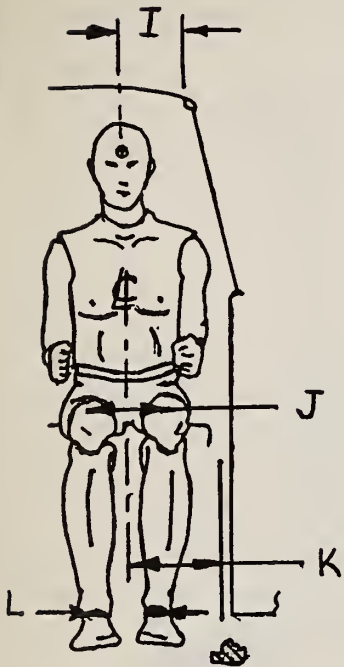
HEAD REST POSITION: FULL DOWN

SEAT BACK ANGLE: 20 DEG.

TEST NO. 19

DUMMY HYB III

VEHICLE FORD LTD



A = 10.5

E = 8.5

I = 8.5

B = 14.25

F = 10.0

J = 9.0

C = 22.5

G = 7.0

K = 15.0

D = 20.625

H = 16.0

L = 7.0

SEAT POSITION: MIDDLE

PRE TEST TILT POSITION: 1ST NOTCH DOWN FROM CENTER

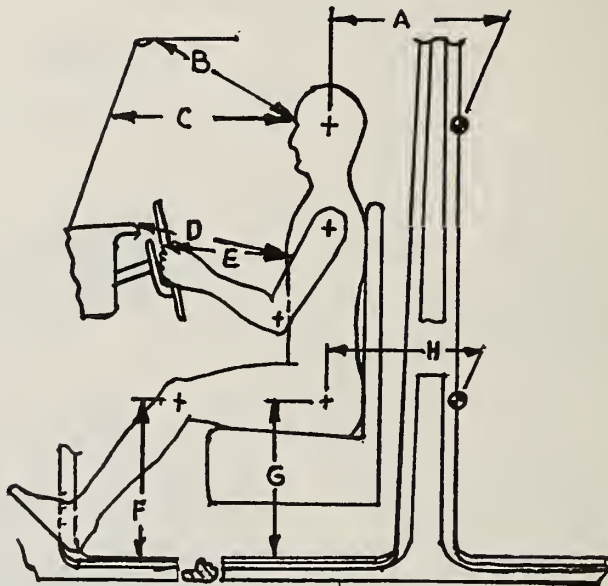
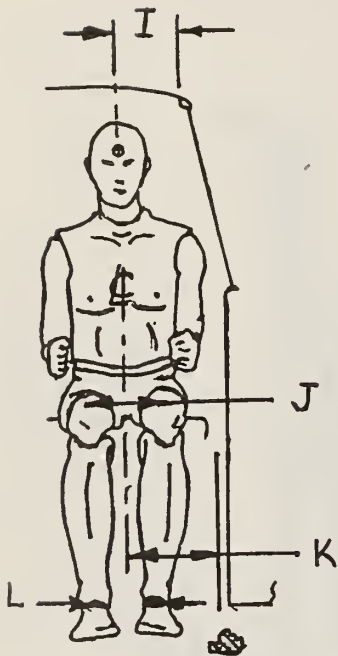
HEAD REST POSITION: FULL UP

SEAT BACK ANGLE: 23 DEG

TEST NO. 01-24

DUMMY 50TH

VEHICLE DODGE



A = 8.0

E = 11.125

I = 9.75

B = 13.6875

F = 9.0

J = 9.0

C = 20.25

G = 5.75

K = 14.75

D = 19.8125

H = 13.5

L = 7.0

SEAT POSITION: MIDDLE

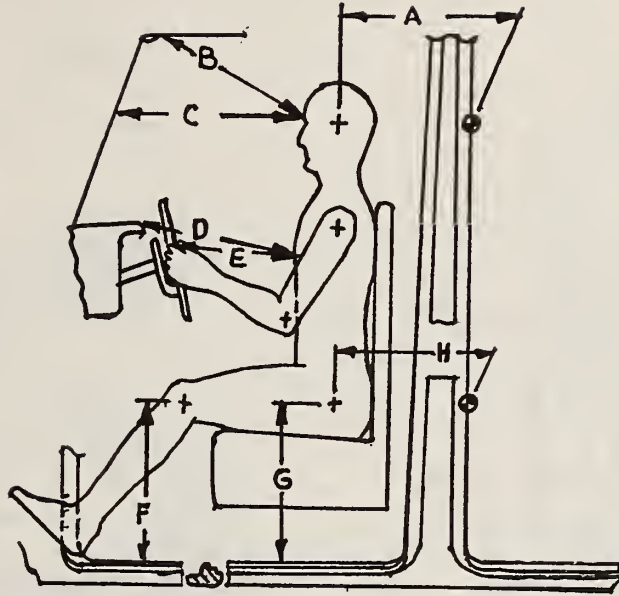
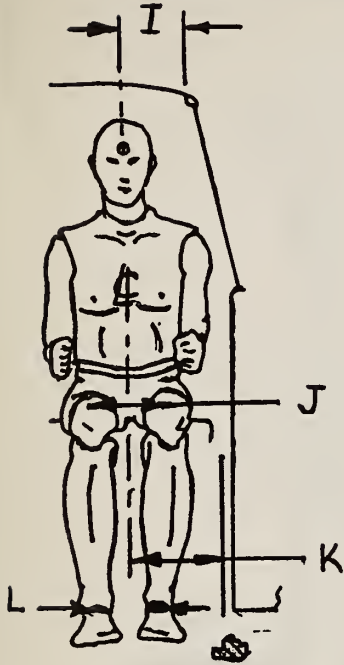
PRE TEST TILT POSITION: CENTER

HEAD REST POSITION: FULL UP

TEST NO. 25-27

DUMMY 95TH

VEHICLE DODGE



A = 5.0

E = 13.0625

I = 9.75

B = 16.875

F = 9.875

J = 9.5

C = 24.15625

G = 5.75

K = 14.75

D = 21.5625

H = 11.5

L = 7.0

SEAT POSITION: FULL BACK

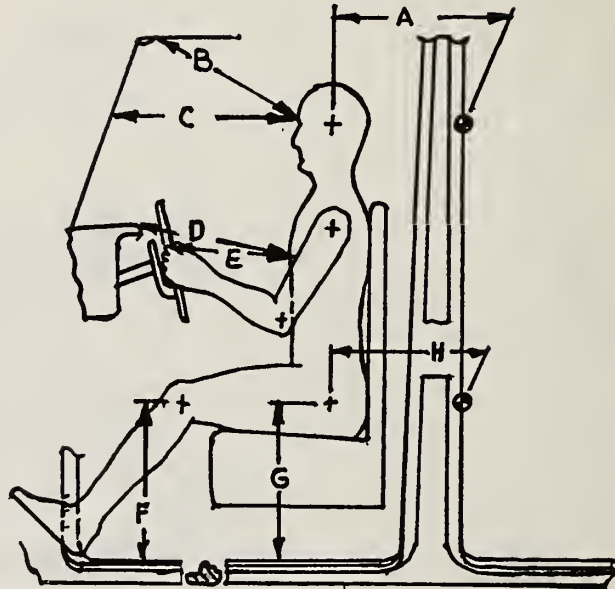
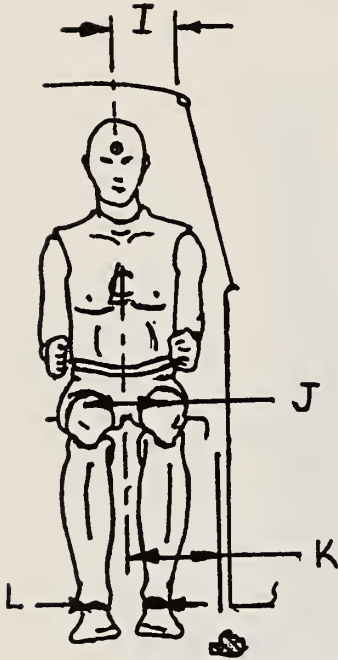
PRE TEST TILT POSITION: CENTER

HEAD REST POSITION: FULL UP

TEST NO. 28,29

DUMMY 5TH FEMALE

VEHICLE DODGE



A = 10.25

E = 10.0625

I = 9.75

B = 14.0

F = 9.75

J = 9.0

C = 23.75

G = 6.125

K = 14.75

D = 18.75

H = 16.5

L = 7.0

SEAT POSITION: 3RD NOTCH BACK FROM FORWARD

PRE TEST TILT POSITION: CENTER

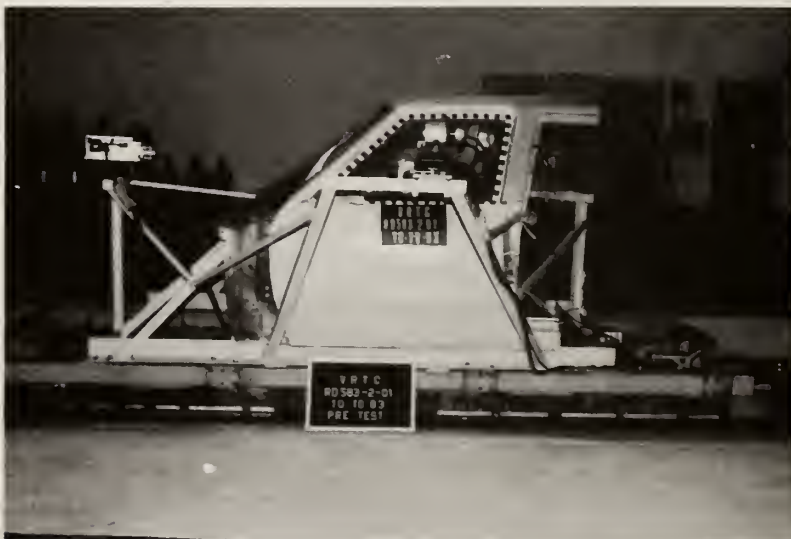
HEAD REST POSITION: FULL DOWN

Appendix 2

Photographs



Ford Body Buck
Right Side View



Ford Body Buck
Left Side View



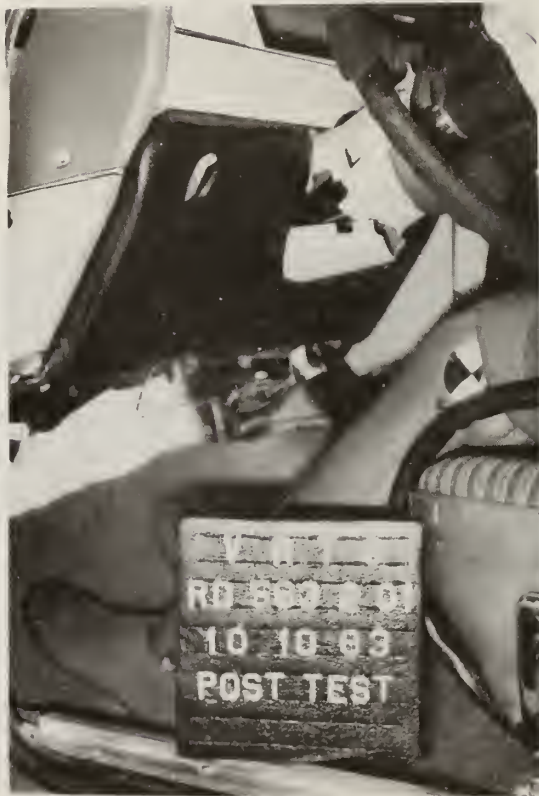
Dummy Position
Typical Pre-test



Dummy Position
Typical Pre-test



Steering Wheel Deformation
Test 1



Knee Bar Deformation
Test 1



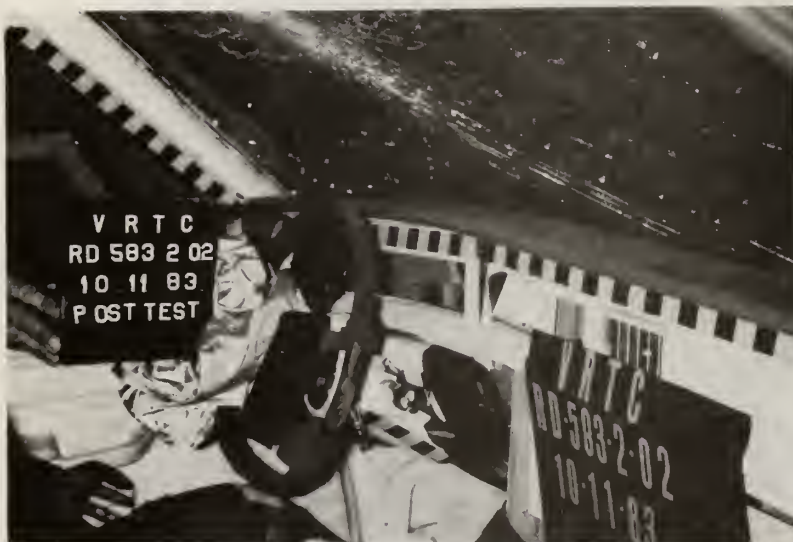
Knee Bar Deformation
Test 2



Dummy Position
and Steering Wheel
Deflection
Test 2



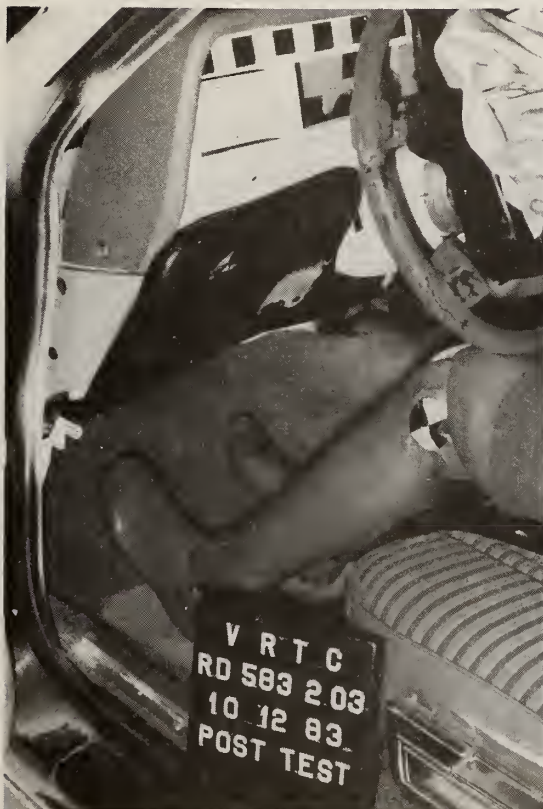
Knee Bar Deflection
Test 2



Windshield, Dash
and Steering Wheel
Damage - Test 2



Right Knee Bar Deflection
Test 3



Left Knee Bar Deflection
Test 3



Steering Wheel Deflection
Test 3



Dummy Position
Following Test 3



Right Knee Bar
Deflection Test 4



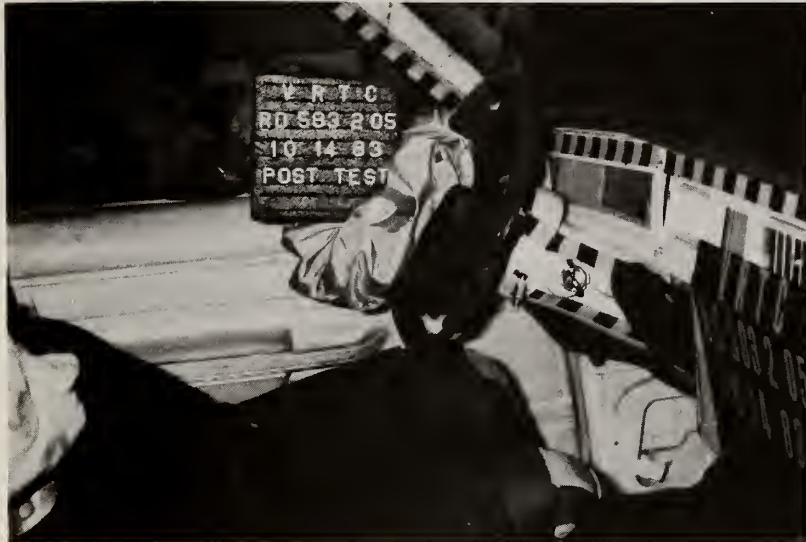
Left Knee Bar
Deflection Test 4



Steering Wheel
Deflection Test 4



Face Impact Area
On Airbag Test 4



Right Knee Bar
Deflection Test 5



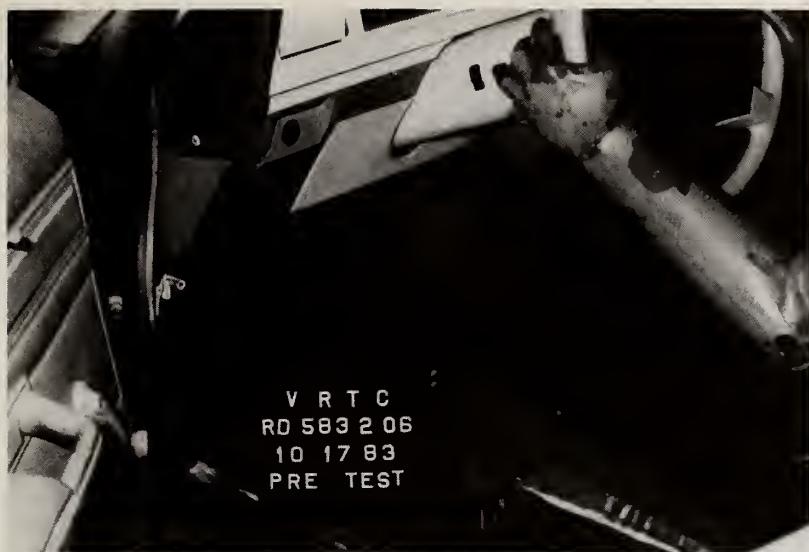
Left Knee Bar
Deflection Test 5



Right Knee Impact
Area Pre test 6



Right Knee Impact
Area Post test 6



Left Knee Impact
Area Pre test 6



Left Knee Impact
Area Post test 6



Overall Damage
Test 6



Head Impact Areas
Test 7



Steering Wheel
Deformation,
Right View Test 7



Steering Wheel
Deformation,
Left View Test 7



Right Knee Bar
Deformation Test 8



Left Knee Bar
Deformation Test 8



Post Test View
Right Side Test 9



Left Knee Bar
Deflection Test 9



Interior Damage
Test 10



Exterior Damage
Test 10



Right Knee Bar
Deflection Test 10



Left Knee Bar
Deflection Test 10



Right Knee Bar
Deflection Test 11



Left Knee Bar
Deflection Test 11



Interior Damage
Test 12



Exterior Damage
Test 12



Interior Damage
Test 12



Interior Damage
Test 12



Dummy Positioning
Pre Test 13



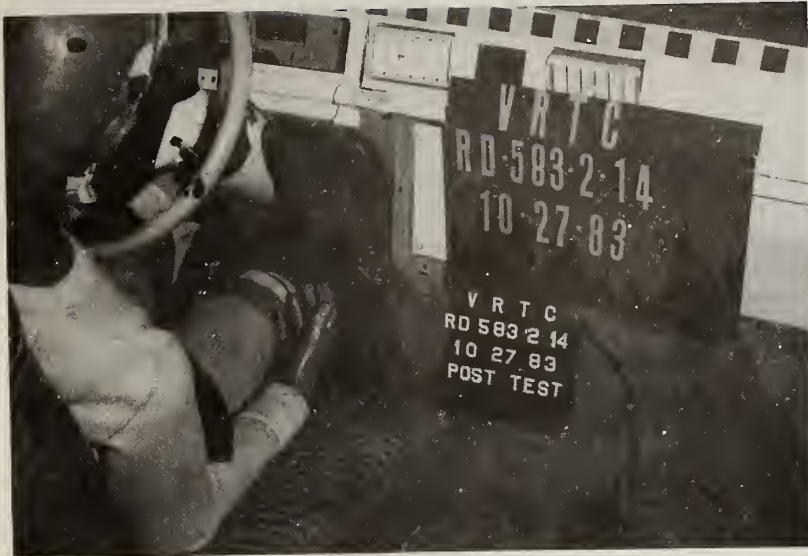
Dummy Positioning
Post Test 13



Left Knee Impact Area, Test 13



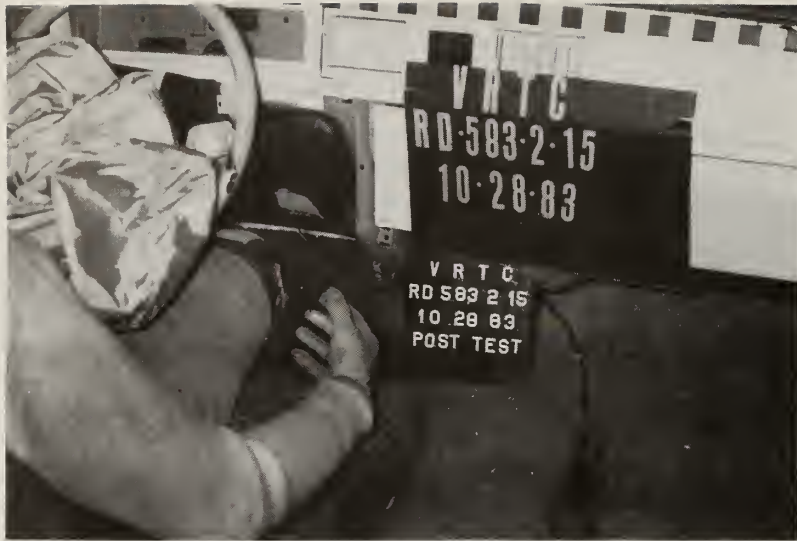
Right Knee Impact Area, Test 13



Right Knee Impact
Area, Test 14
(No Contact)



Left Knee Impact
Area, Test 14
(No Contact)



Right Knee Bar
Deflection Test 15



Left Knee Bar
Deflection Test 15



Right Knee Bar
Deflection Test 16



Left Knee Bar
Deflection Test 16



Steering Wheel and Column
Damage - Test 16



Steering Wheel
and Column Damage
Test 17



Left Knee Bar
Deflection Test 17



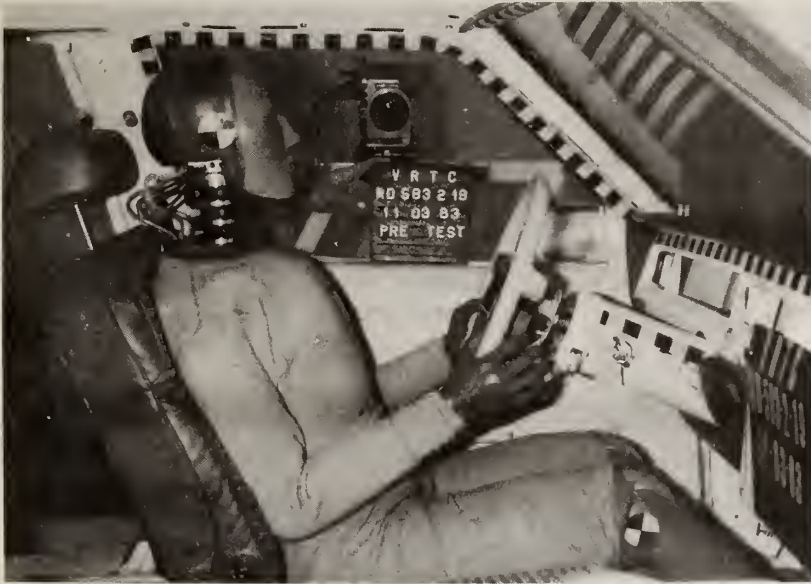
Right Knee Bar
Deflection Test 17



Steering Wheel
and Column Damage
Test 18



Knee Impact Area
Test 18



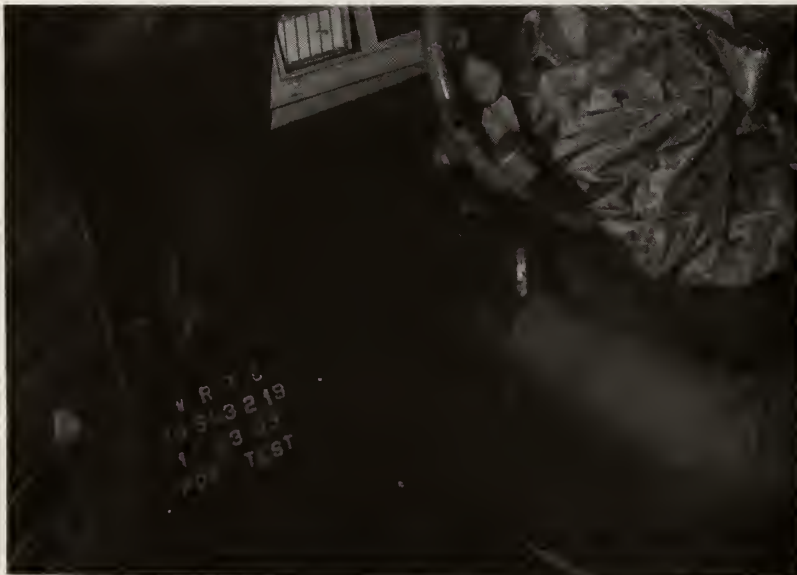
Dummy Position
Pre test 19



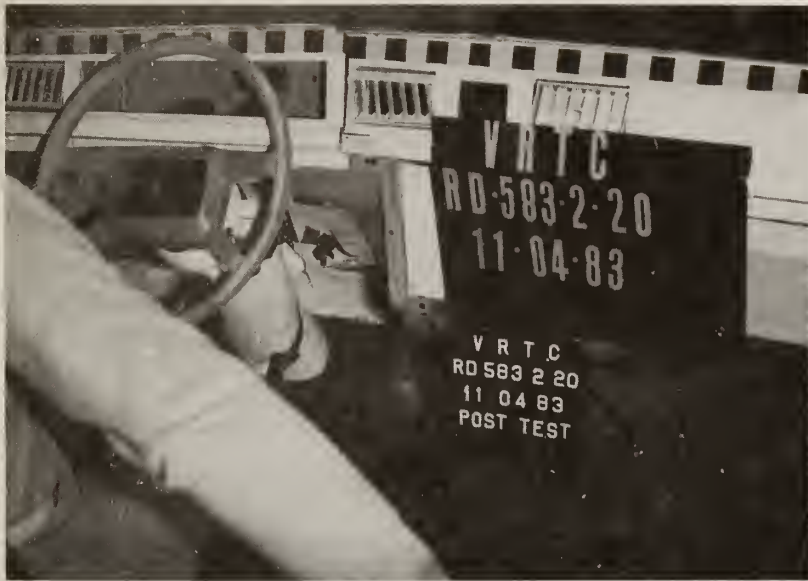
Dummy Position &
Dashboard Damage
Post test 19



Right Knee Bar
Deflection Test 19



Left Knee Bar
Deflection Test 19



Right Knee Impact
Area Test 20



Left Knee Impact
Area Test 20



Exterior Damage
Test 20



Interior Damage
Test 20



Plymouth Gran Fury
Body Buck. Left
Overall View



Plymouth Gran Fury
Body Buck. Right
Overall View



Dummy Positioning
Pre test 21



Dummy Positioning
Post test 21



Right Knee Bar
Deflection Test 21



Left Knee Bar
Deflection Test 21



Dummy Positioning
Pre test 22



Dummy Positioning
Post test 22



Right Knee Bar
Deflection Test 22



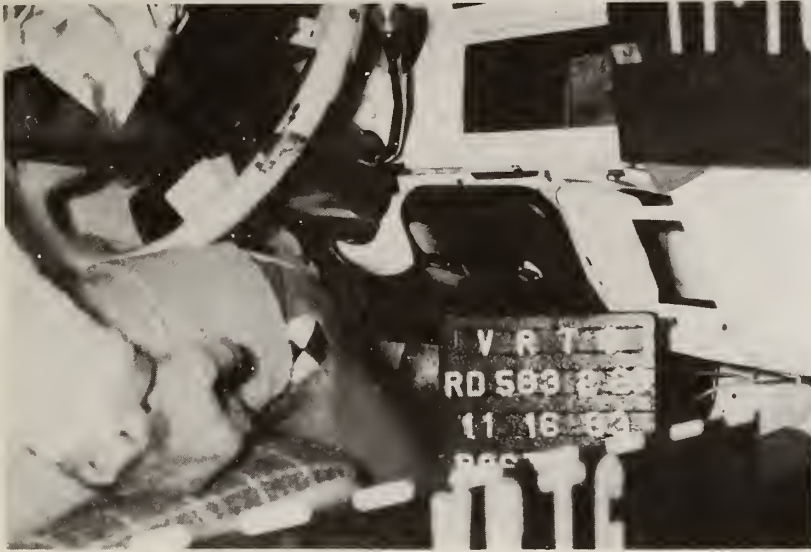
Left Knee Bar
Deflection Test 22



Dummy Positioning
Pre test 23



Dummy Positioning
Post test 23



Right Knee Bar
Deflection Test 23



Left Knee Bar
Deflection Test 23



Dummy Positioning
Pre test 24



Dummy Positioning
Post test 24



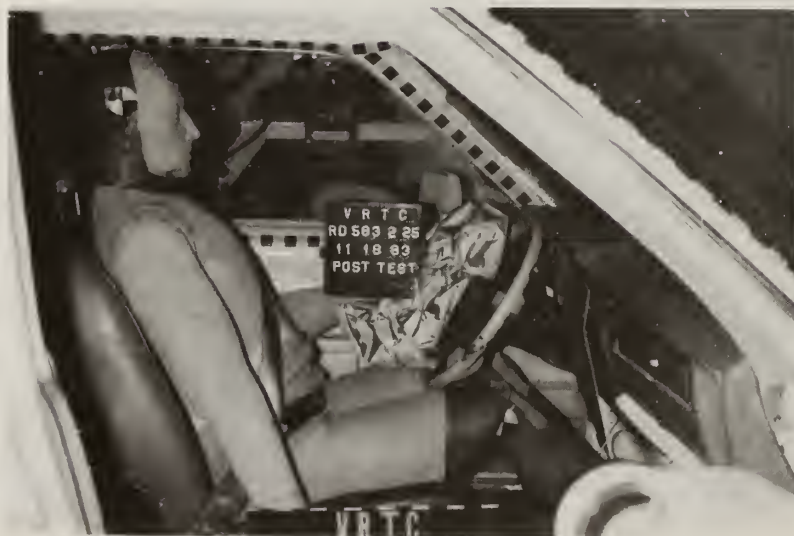
Right Knee Bar
Deflection Test 24



Left Knee Bar
Deflection Test 24



Dummy Positioning
Pre Test 25



Dummy Positioning
Post Test 25



Right Knee Bar
Deflection Test 25



Left Knee Bar
Deflection Test 25



Dummy Positioning
Pre Test 26



Dummy Positioning
Post Test 26



Right Knee Bar
Deflection Test 26



Left Knee Bar
Deflection Test 26



Dummy Positioning
Pre Test 27



Dummy Positioning
Post Test 27



Right Knee Bar
Deflection Test 27



Left Knee Bar
Deflection Test 27



Interior Damage
Test 27



Exterior Damage
Test 27



Dummy Positioning
Pre Test 28



Dummy Positioning
Post Test 28



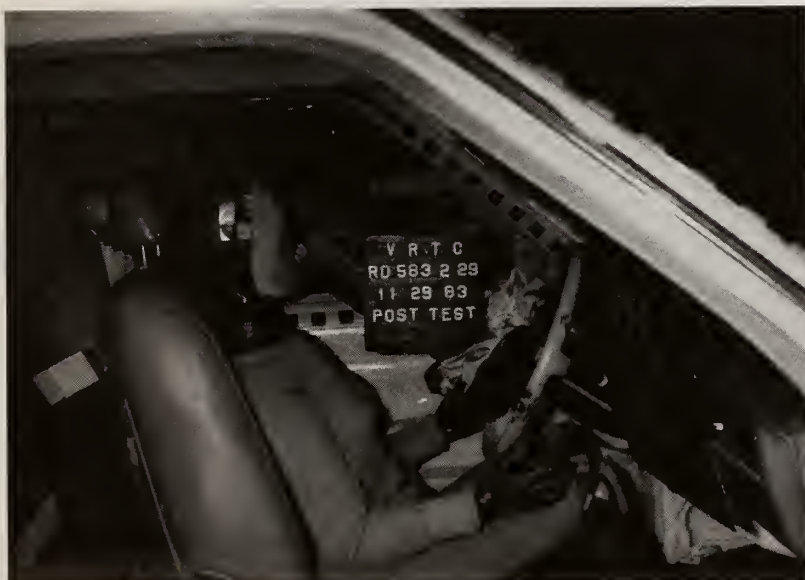
Right Knee Bar
Deflection Test 28



Left Knee Bar
Deflection Test 28



Dummy Positioning
Pre Test 29



Dummy Positioning
Post Test 29



Right Knee Bar
Deflection Test 29



Left Knee Bar
Deflection Test 29

Appendix 3

Data Charts

Explanation of terms

SPSW	= Sled Position Switch Opening (Start of Movement)
SLDXGC	= Sled Acceleration
SLDXVC	= Integrated Sled Velocity
SLDXV	= Sled Velocity
FTUXG	= Floor Pan Acceleration
ABFT1	= Air Bag Firing Event
HEDXG1	= Head Acceleration, X Axis
HEDXV1	= Head Velocity, X Axis
HEDYG1	= Head Acceleration, Y Axis
HEDZG1	= Head Acceleration, Z Axis
CSTXG1	= Chest Acceleration, X Axis
CSTXV1	= Chest Velocity, X Axis
CSTYG1	= Chest Acceleration, Y Axis
CSTZG1	= Chest Acceleration, Z Axis
PEVXG1	= Pelvis Acceleration, X Axis
PEVYG1	= Pelvis Acceleration, Y Axis
PEVZG1	= Pelvis Acceleration, Z Axis
CSTXT	= Chest Deflection
LFMF1	= Left Femur Load
RFMF1	= Right Femur Load
SHBF1	= Shoulder Belt Force
HEDRG1	= Head Resultant Acceleration
CSTRG1	= Chest Resultant Acceleration
PEVRG1	= Pelvis Resultant Acceleration

- 1 = 50th percentile dummy
- 2 = 95th percentile dummy
- 3 = 5th percentile female dummy
- 4 = Hybrid III

DEMONSTRATION PROGRAM

0.0 mph

83283

VRTC

RD583-2-01

12-OCT-83 16:41:26

	Min value	Max value	Uni
SPSW	-0.437 @ 4.375	5.551 @ -25.875 msec	volt
SLDXGC	-0.928 @ 123.000	23.224 @ 57.000 msec	g
SLDXVC	-0.008 @ -12.750	33.262 @ 119.625 msec	mph
SLDXV	-0.374 @ 352.875	32.301 @ 117.000 msec	mph
FTUXG	-2.706 @ 123.500	25.698 @ 63.000 msec	g
ABFT1	-0.051 @ 14.000	3.469 @ 18.125 msec	volt
HEDXG1	-60.257 @ 97.625	50.879 @ 190.875 msec	g
HEDXV1	-45.004 @ 177.500	0.062 @ 31.125 msec	mph
HEDYG1	-17.522 @ 191.875	10.282 @ 197.750 msec	g
HEDZG1	-40.168 @ 98.250	17.414 @ 77.000 msec	g
CSTXG1	-54.965 @ 105.625	16.897 @ 188.500 msec	g
CSTXV1	-43.618 @ 129.625	0.016 @ 6.625 msec	mph
CSTYG1	-3.092 @ 192.375	2.804 @ 204.500 msec	g
CSTZG1	-9.912 @ 113.000	21.893 @ 75.500 msec	g
PEVXG1	-68.067 @ 74.125	4.942 @ 296.125 msec	g
PEVYG1	-4.081 @ 72.750	6.156 @ 57.750 msec	g
PEVZG1	-6.623 @ 113.125	33.831 @ 73.000 msec	g
CSTXD	-0.031 @ 37.625	0.574 @ 104.500 msec	g
LFMF1	-1426.008 @ 72.500	668.008 @ 94.750 msec	g
RFMF1	-1486.478 @ 80.125	68.803 @ 158.500 msec	g
HEDRG1	0.033 @ -2.875	72.145 @ 97.750 msec	g
CSTRG1	0.039 @ -1.375	55.769 @ 105.625 msec	g
PEVRG1	0.019 @ -26.500	75.010 @ 73.625 msec	g

HEDRG1,200

* * * HIC computation for TRC209I 12-OCT-83 16:50:00

HEDRG1 VRTC RD583-2-01 83283 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 72.14 @ 97.750

HIC = 523.89 Interval from 89.000 [953] to 111.000 [1129]

HIC = 480.98 Interval from 92.125 [978] to 107.125 [1098]

Elapsed time = 10.18 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->

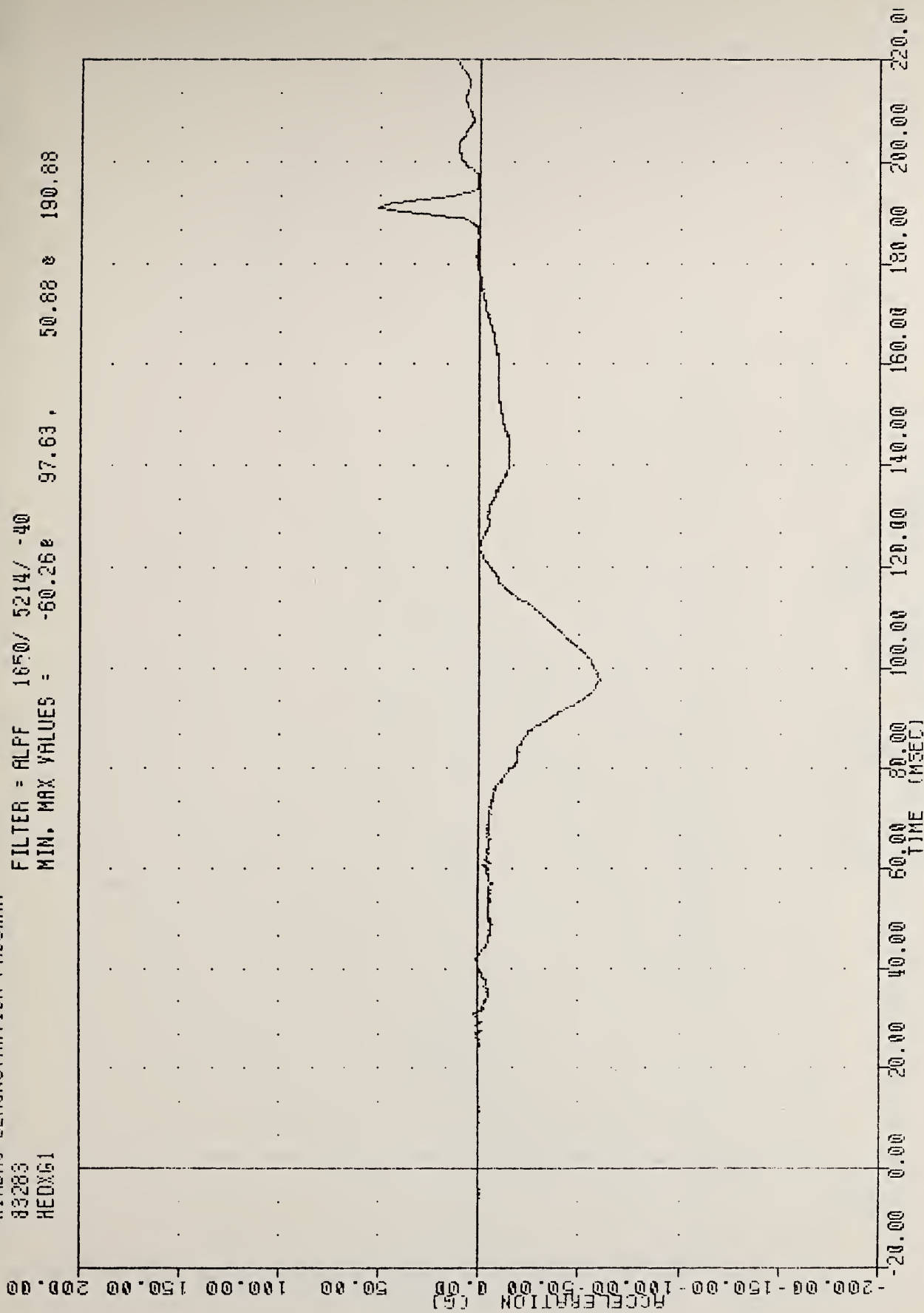
AIRBAG DEMONSTRATION PROGRAM

83283

HEDXG1

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -60.26e 97.63 , 50.88 e 190.88



AIRBAG DEMONSTRATION PROGRAM

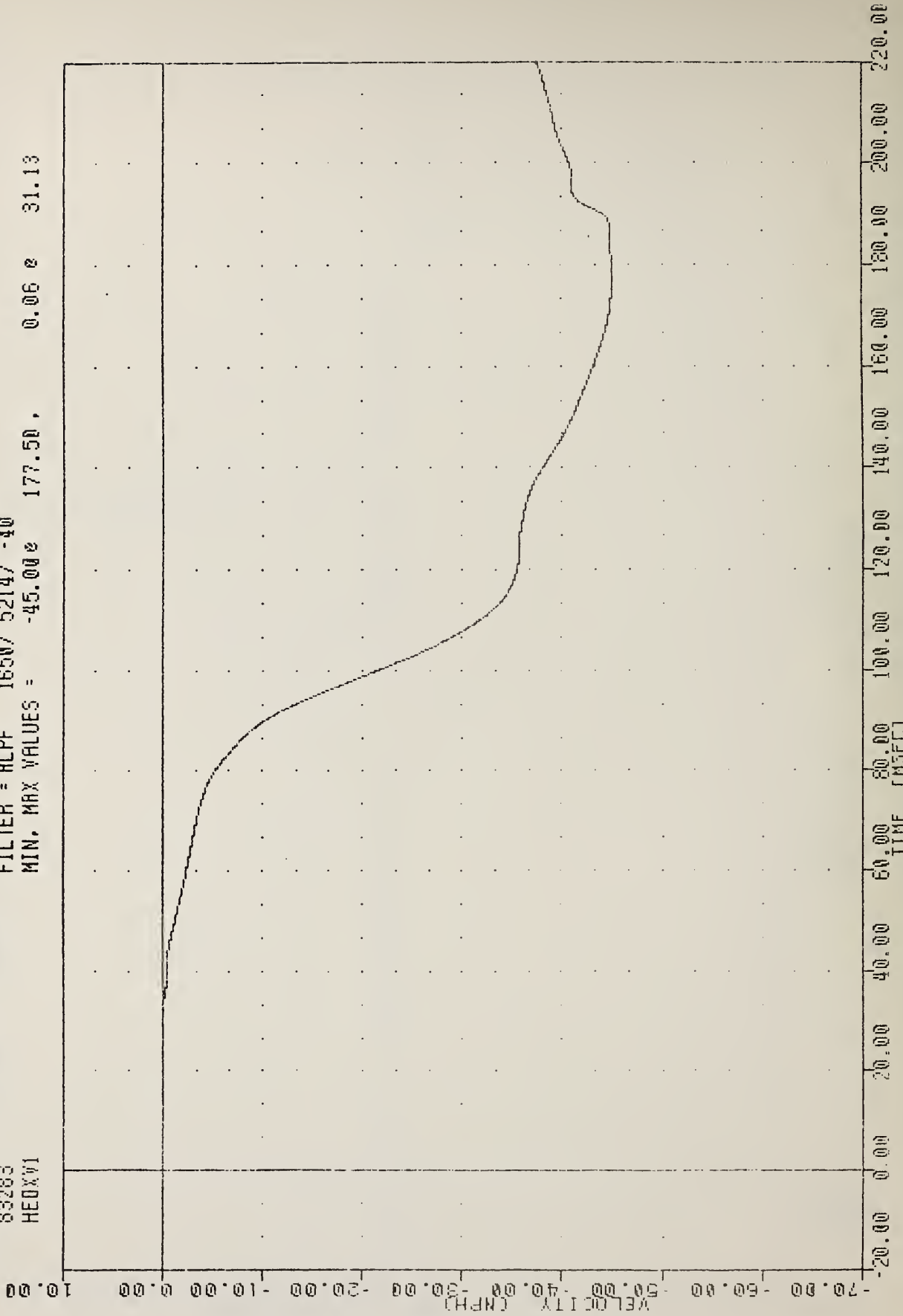
HEAD ACCELERATION X AXIS 50TH PERCENTILE

80583-2-01
AIRBAG DEMONSTRATION PROGRAM
83283
HEADXV1

PLOT DATE 12-OCT-83 16:46:55

FILTER = ALPF 165N/ 5214/ -40

MIN. MAX VALUES = -45.00e 177.50, 0.06 e 31.13



AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 50TH PERCENTILE

ATIBAG DEMONSTRATION PROGRAM

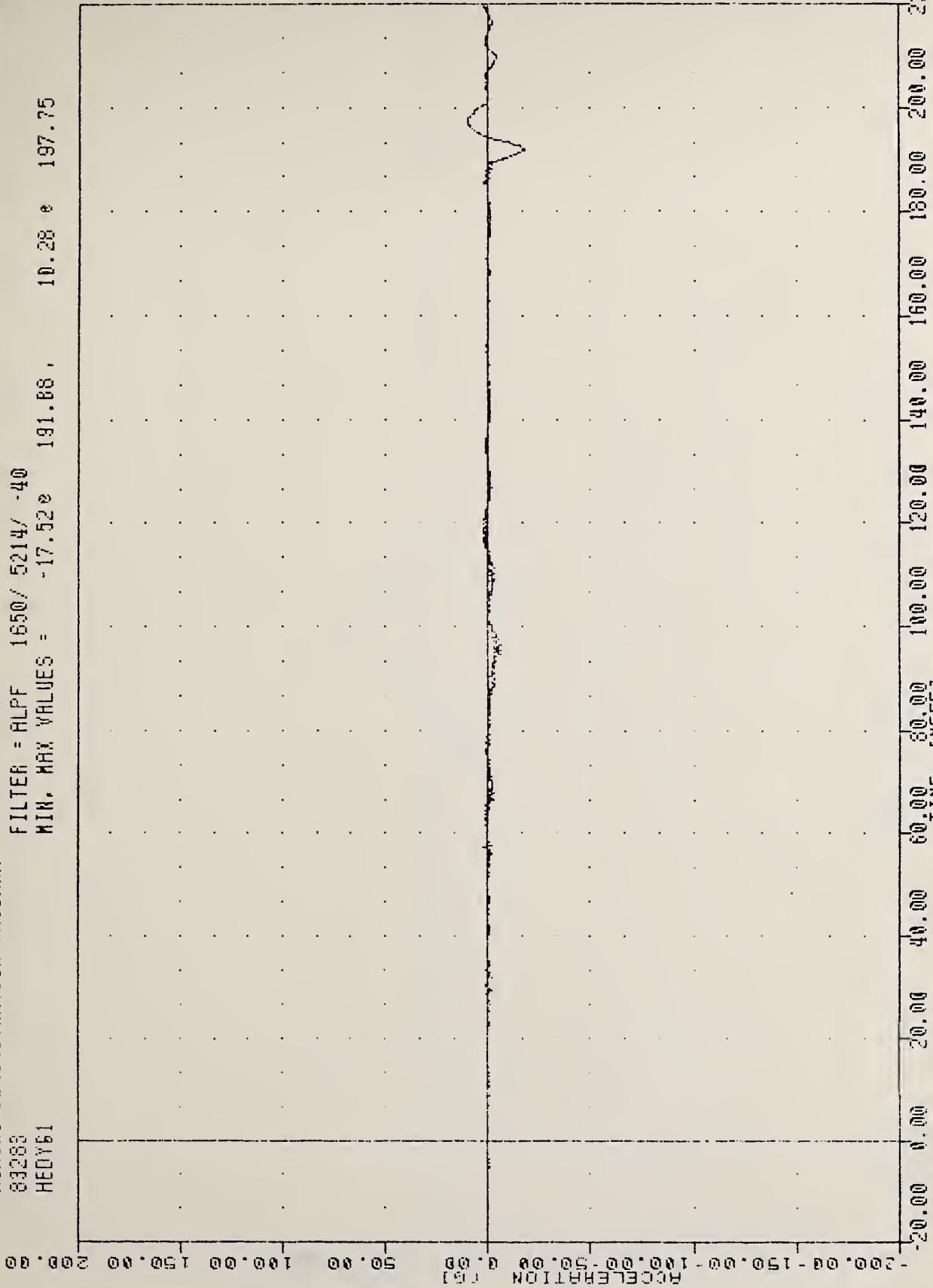
83283

HEAD51

PLOT DATE 12-OCT-83 16:46:55

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -17.52e 191.88, 10.28 e 197.75



ATIBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83283

HEAD51

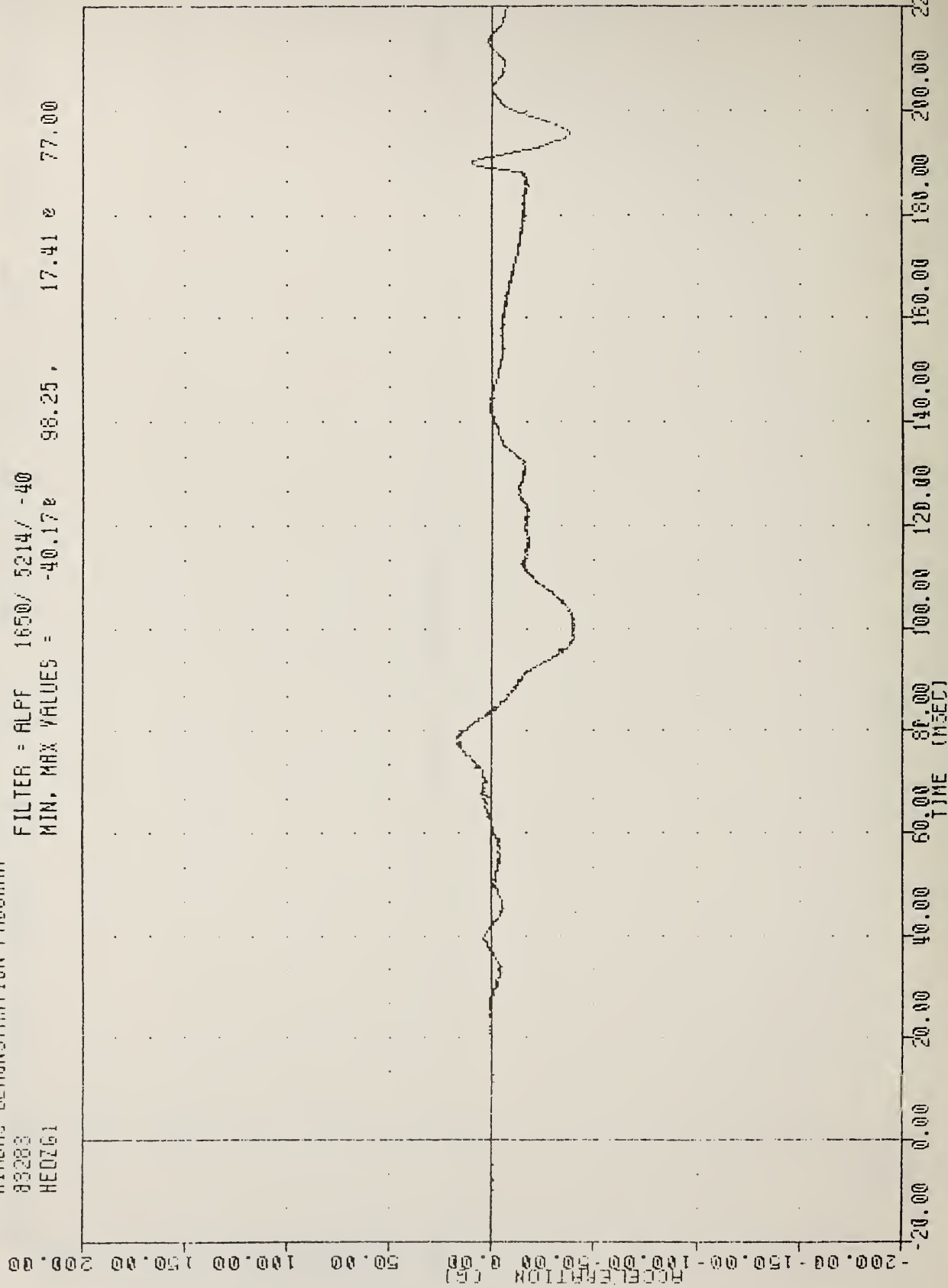
FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -40.17e

96.25 .

17.41 e

77.00



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

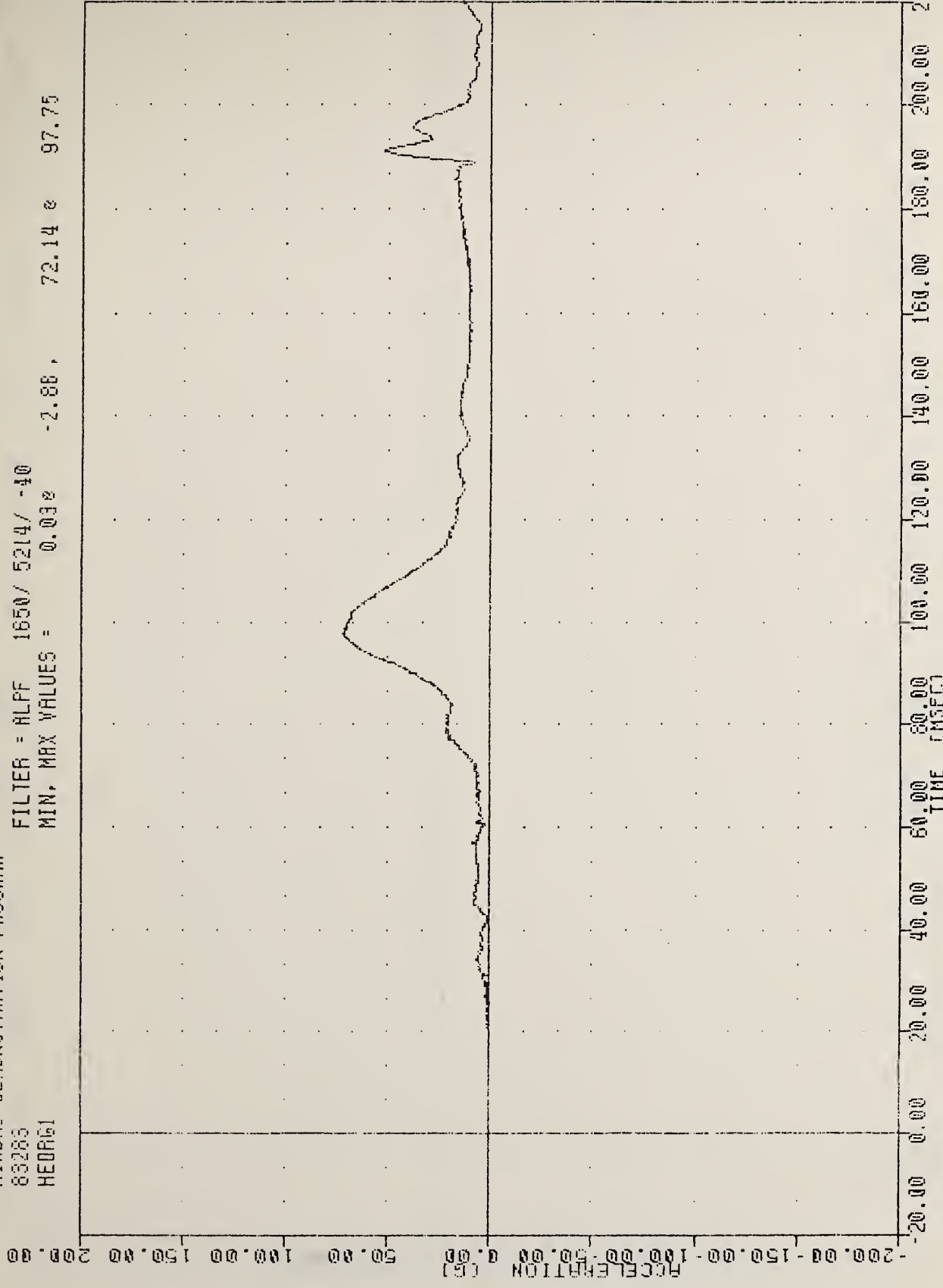
83285

HEADG1

FILTER = ALPF 1650/ 5214/ -10

MIN. MAX VALUES = 0.03e

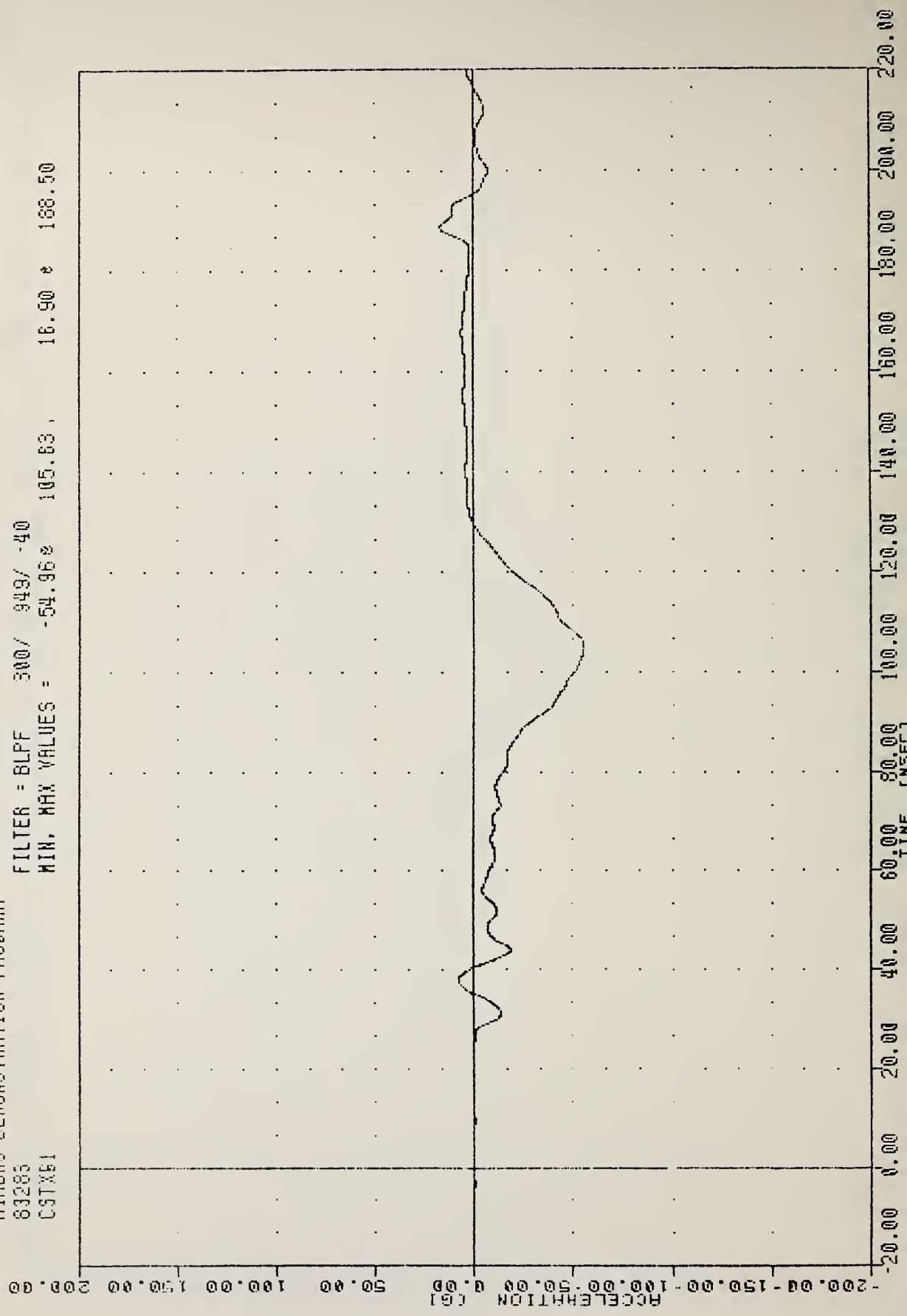
-2.88 , 72.14 e 97.75



AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83283
CSTX61

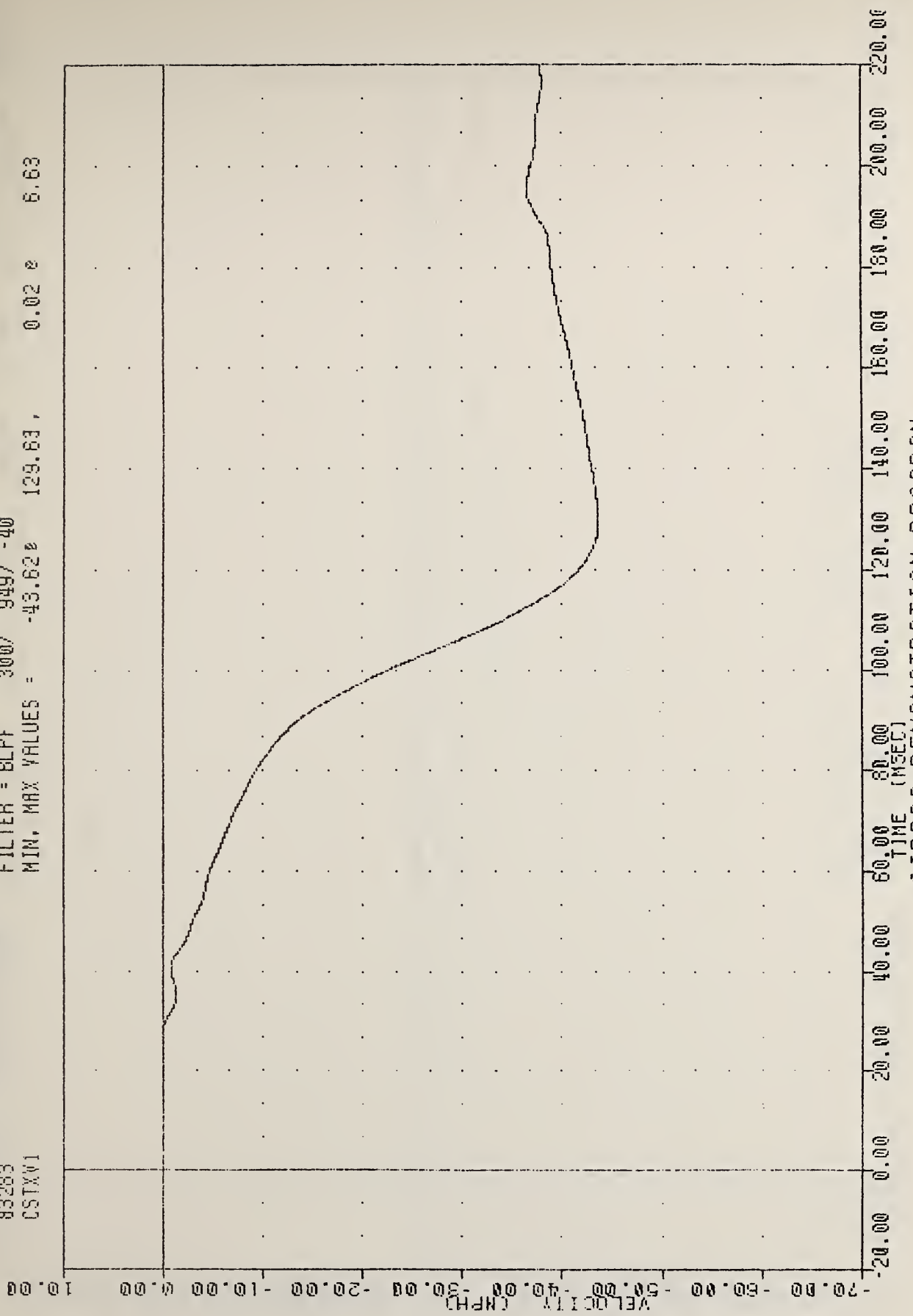
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -54.96 & 105.63 , 16.90 & 168.50



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
93283
CSTXW1

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -43.62% 129.63, 0.02 e 6.63



AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 50TH PERCENTILE

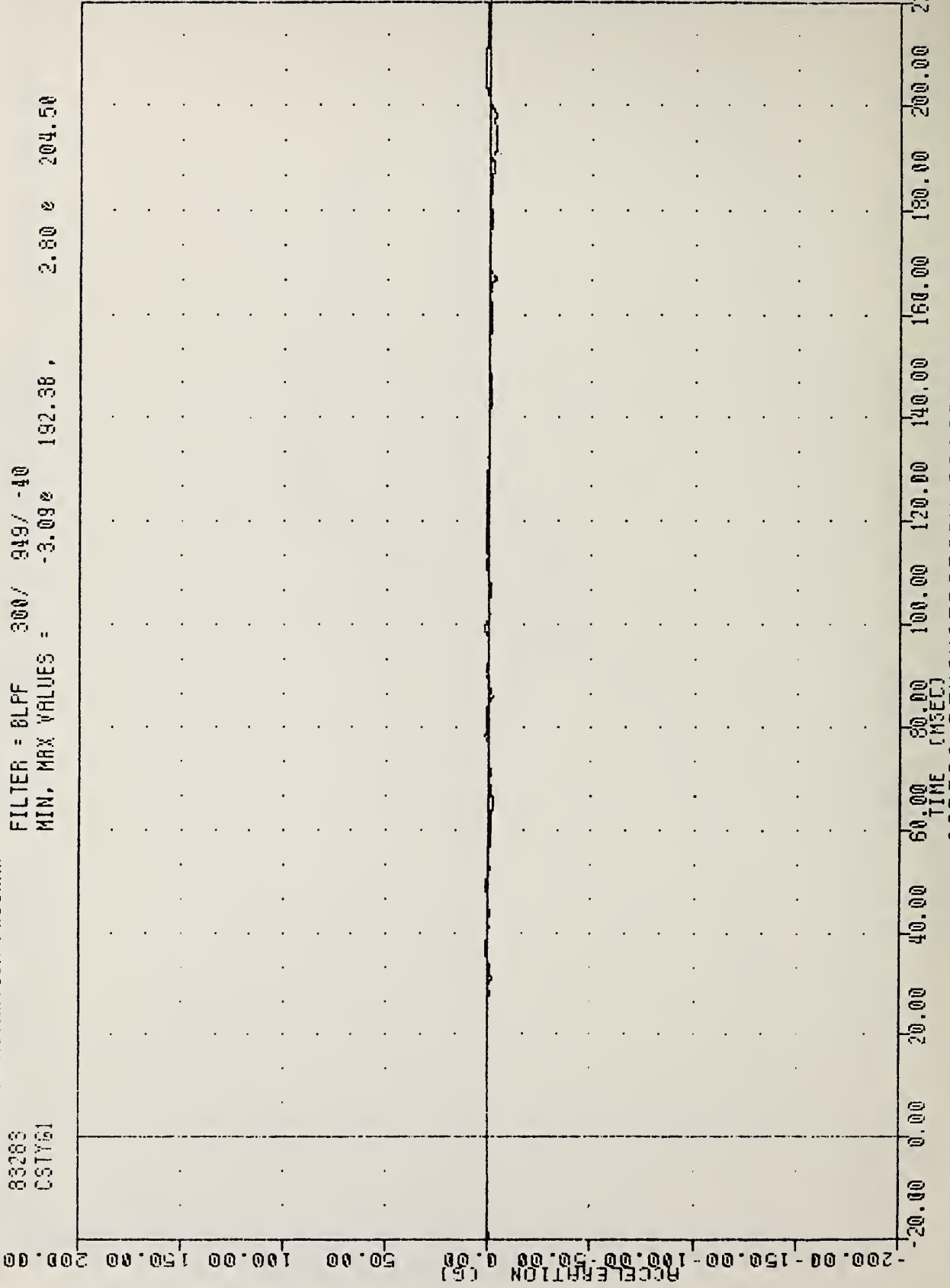
AIRBAG DEMONSTRATION PROGRAM

83283

CSTY61

FILTER = 8LFF 300/ 919/ -40

MIN, MAX VALUES = -3.09e 192.38, 2.80 e 204.50

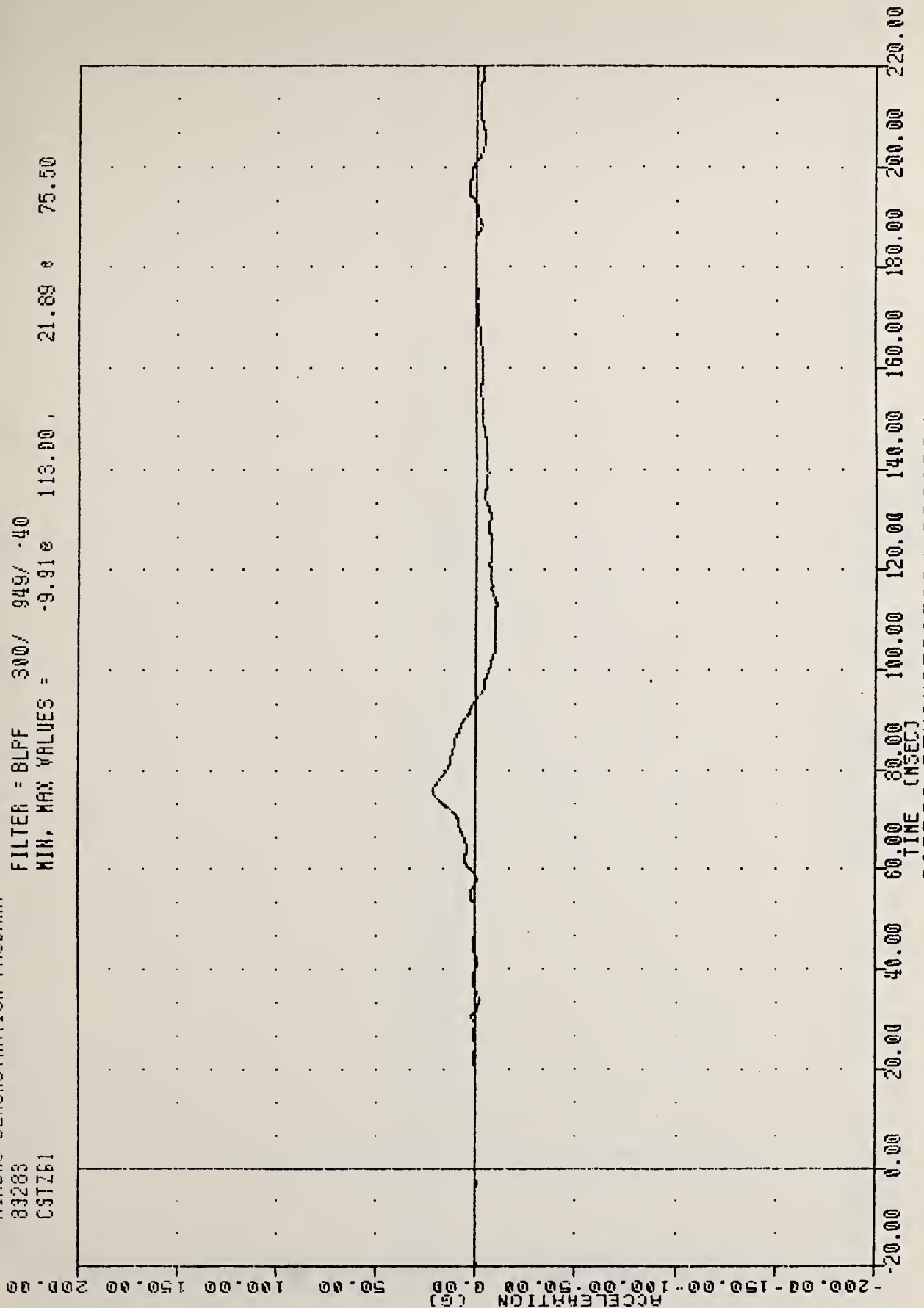


AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83283
CSTZ61

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -9.91E 113.00 , 21.89 E 75.50

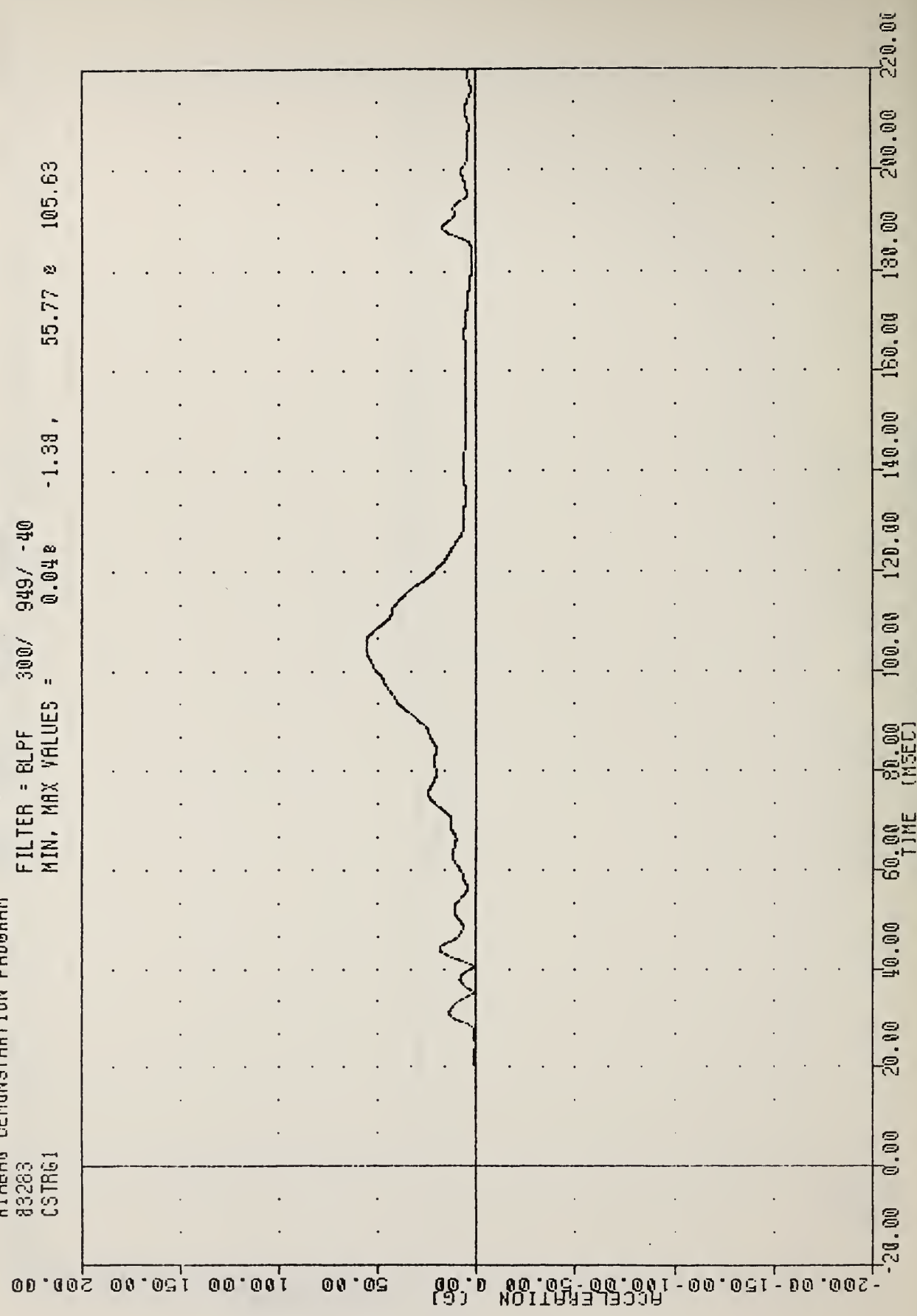


AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

PLOT DATE 12-OCT-83 16:46:55

AIRBAG DEMONSTRATION PROGRAM
83283
CSTRG1

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = 0.04e -1.38, 55.77 e 105.63

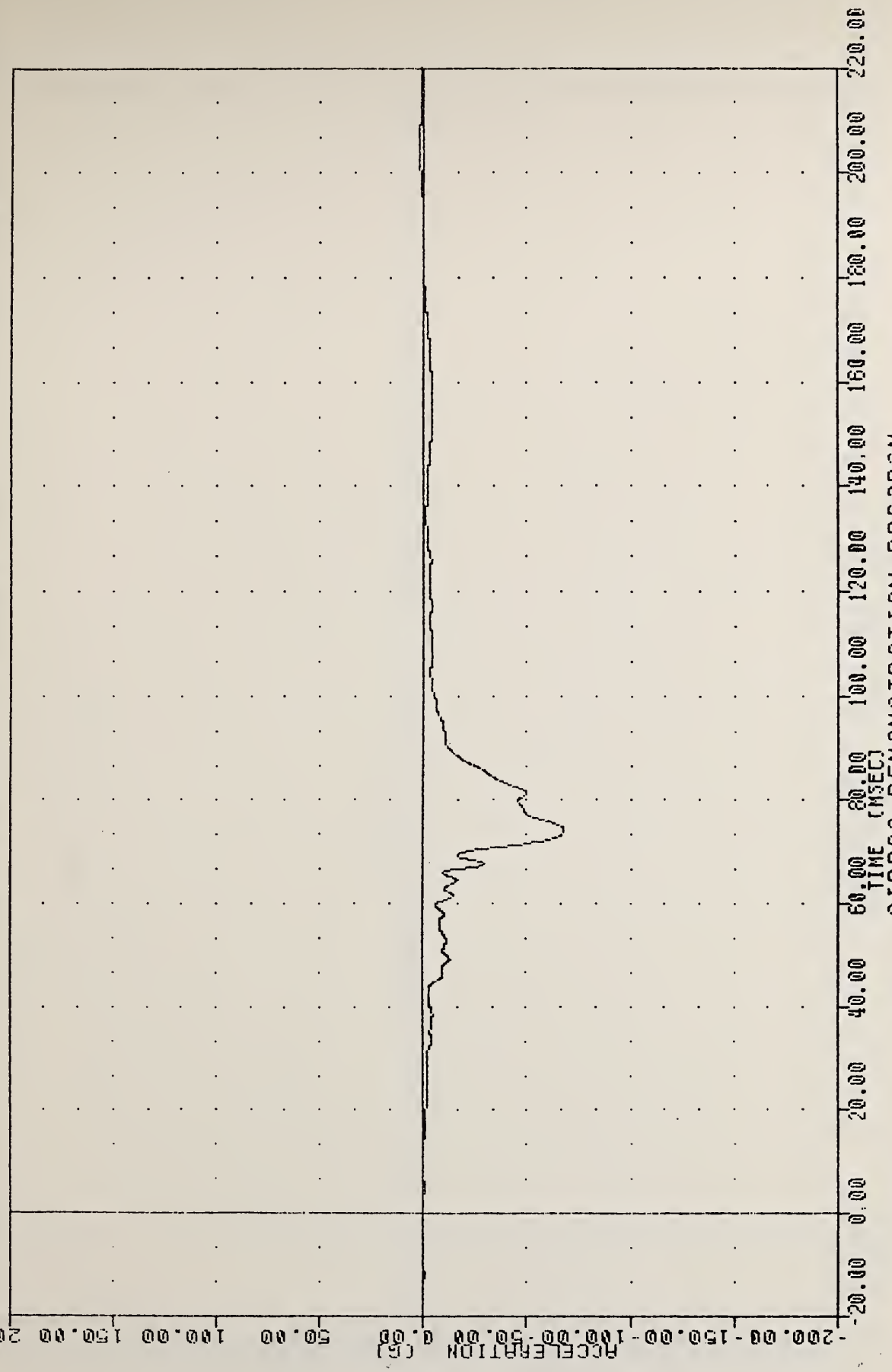


AIRBAG DEMONSTRATION PROGRAM
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83283
PEVXG1

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -68.07e 74.13, 2.45 e 205.88



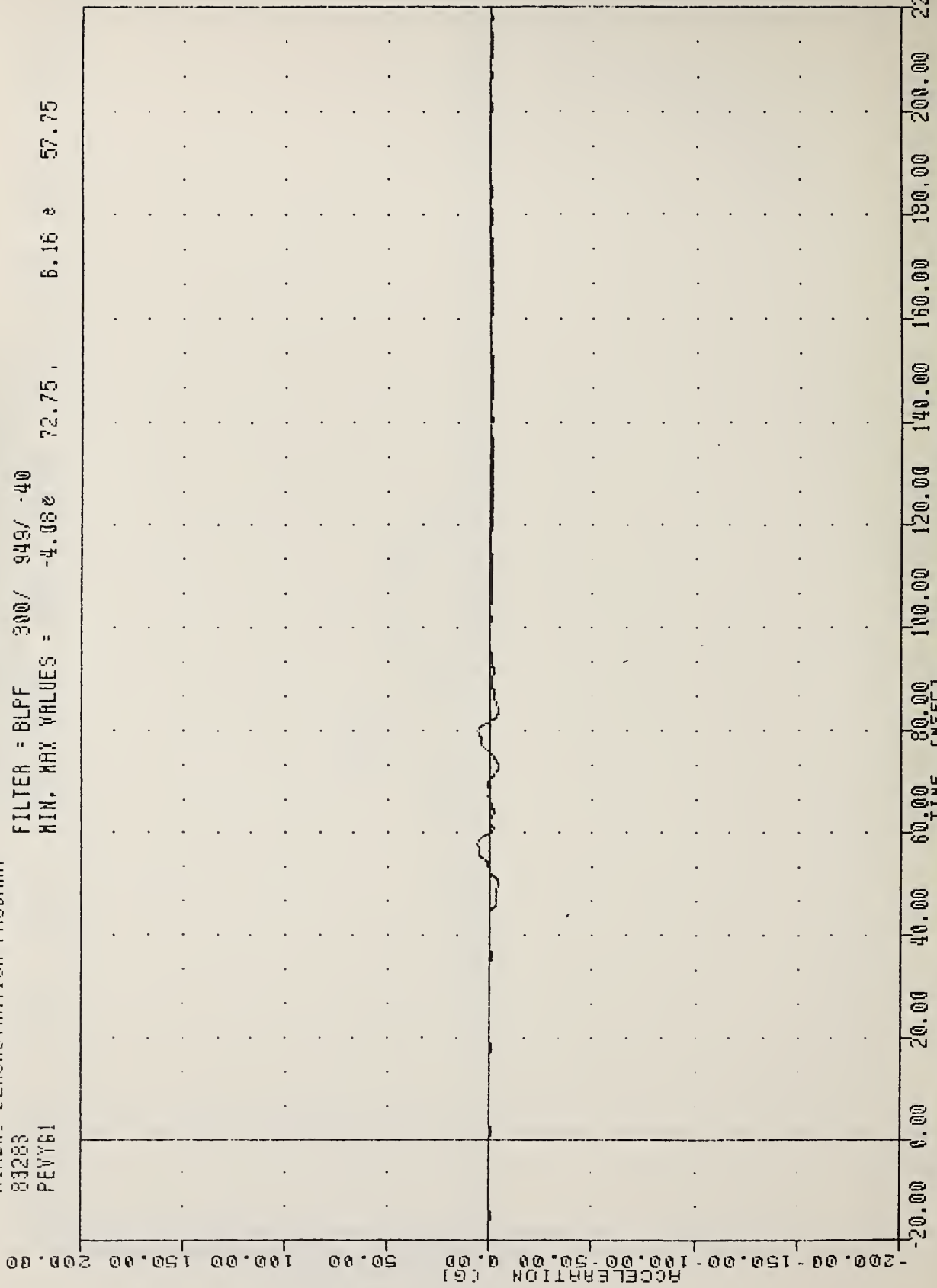
AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83283
PEVY61

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -4.08e

72.75 , 6.16 e 57.75



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)
AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

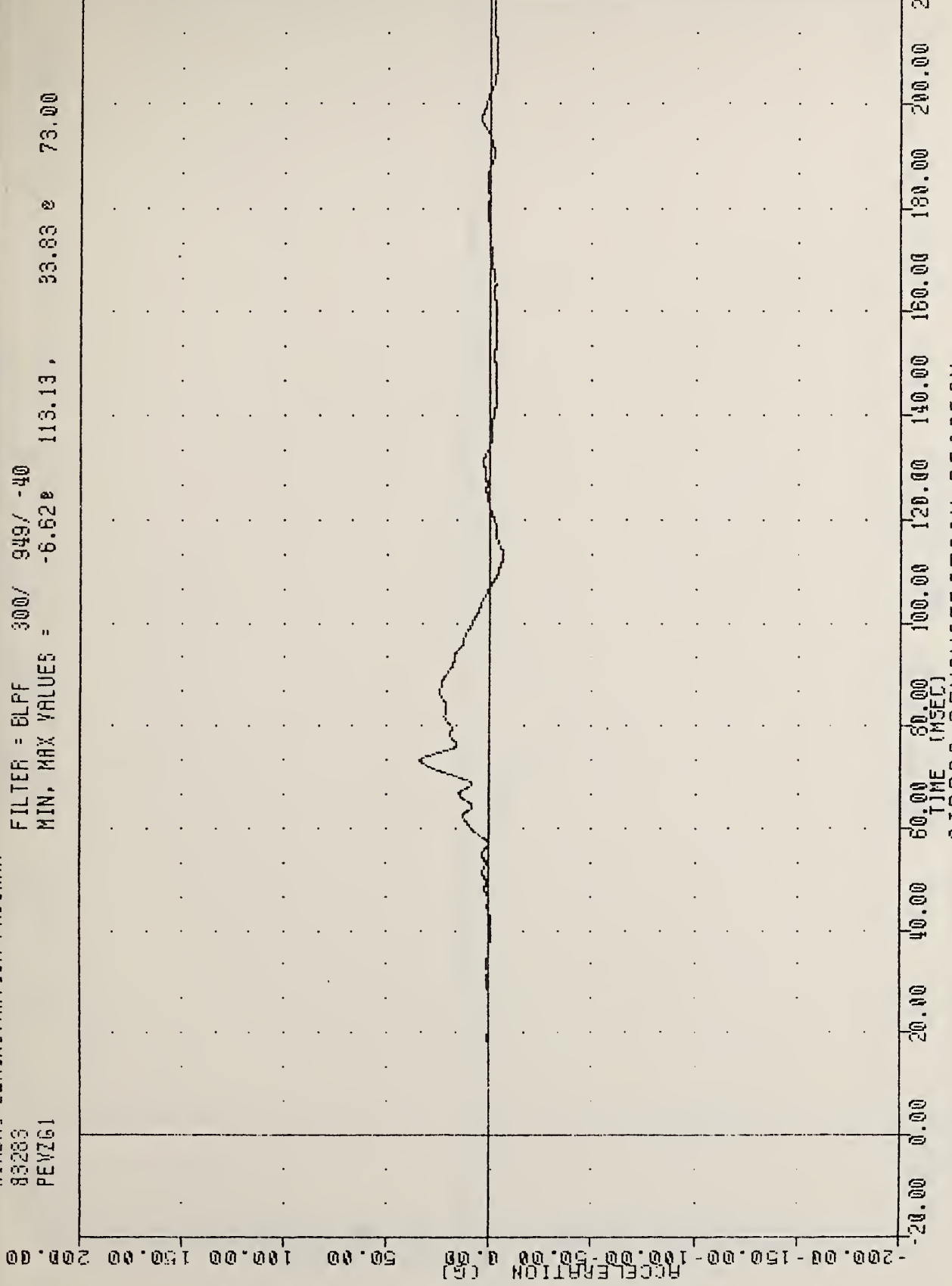
AIRBAG DEMONSTRATION PROGRAM

83283

PEVZG1

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -6.62e 113.13, 33.83 e 73.00



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

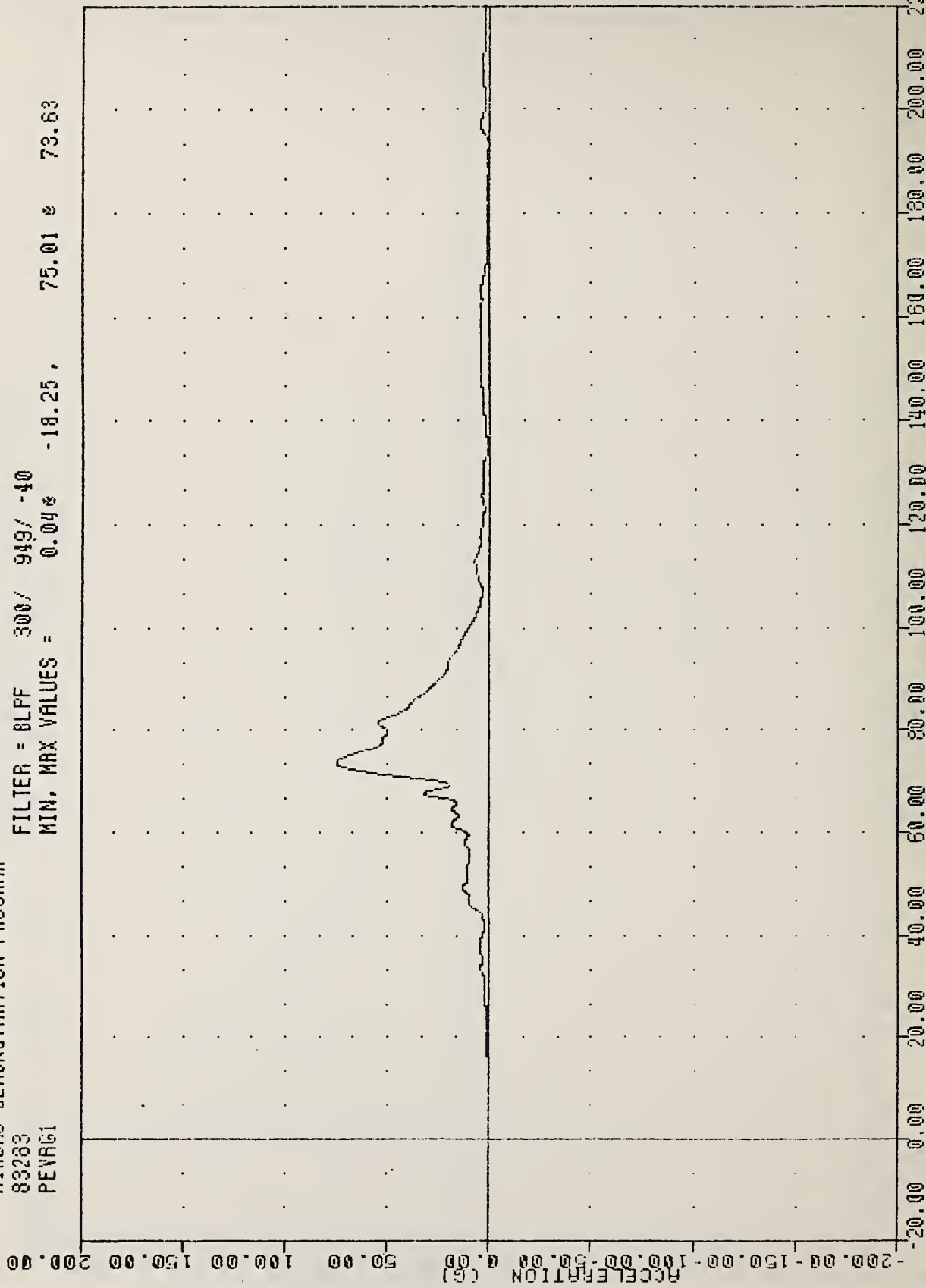
AIRBAG DEMONSTRATION PROGRAM

83283

PEVR61

FILTER = 8LFF 300/ 949/ -40

MIN, MAX VALUES = 0.04e -18.25, 75.01 e 73.63



AIRBAG DEMONSTRATION PROGRAM
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83283

CSTX0

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -0.030

0.57 0 104.50

37.63

0.57 0 104.50

4.00

3.00

2.00

1.00

0.00

-1.00

-2.00

-3.00

-4.00

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 (MSECT)

AIRBAG DEMONSTRATION PROGRAM
CHEST DISPLACEMENT 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

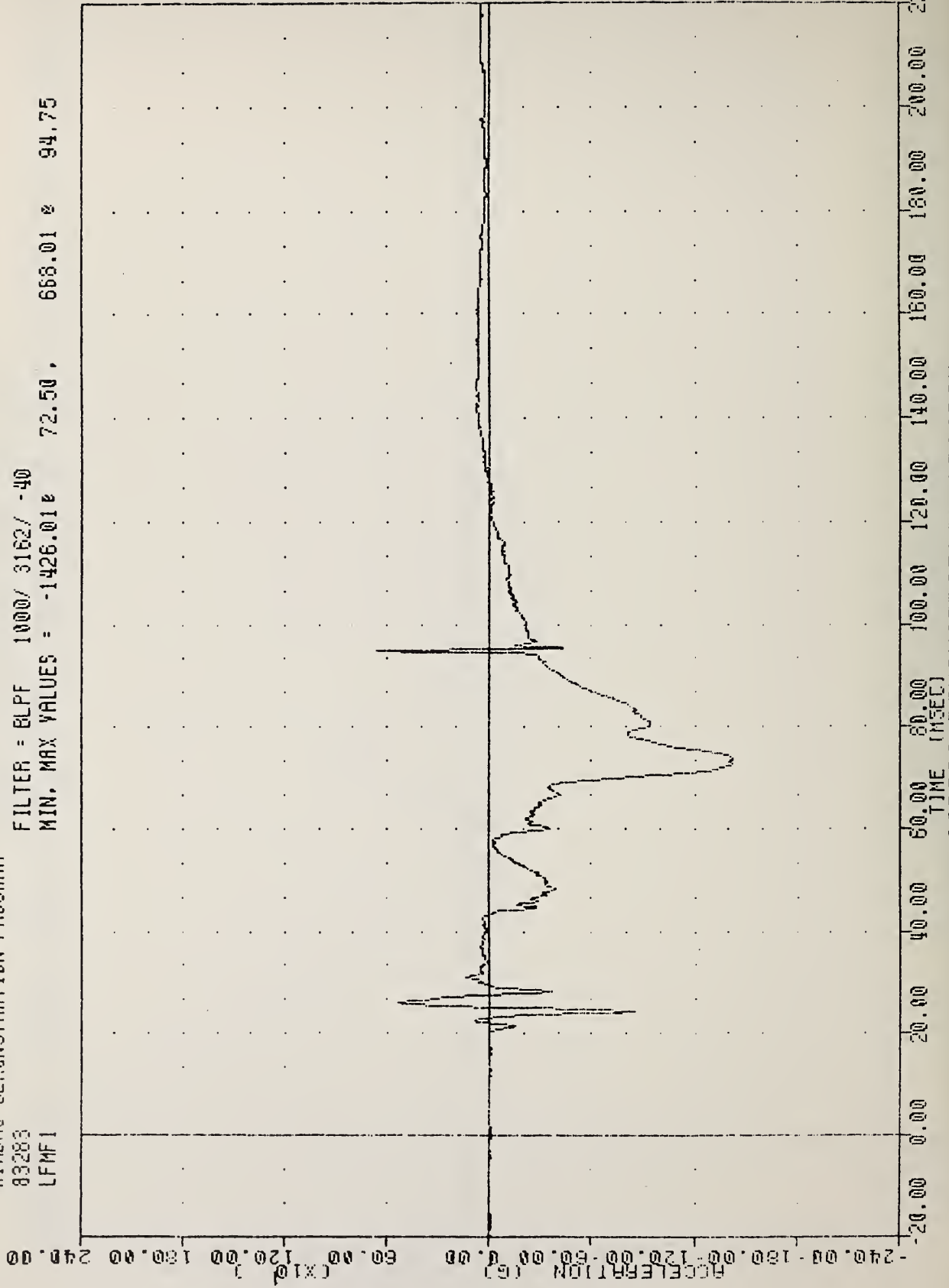
83283

LFMF1

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -1426.01e 72.50

668.01e 94.75



AIRBAG DEMONSTRATION PROGRAM

LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

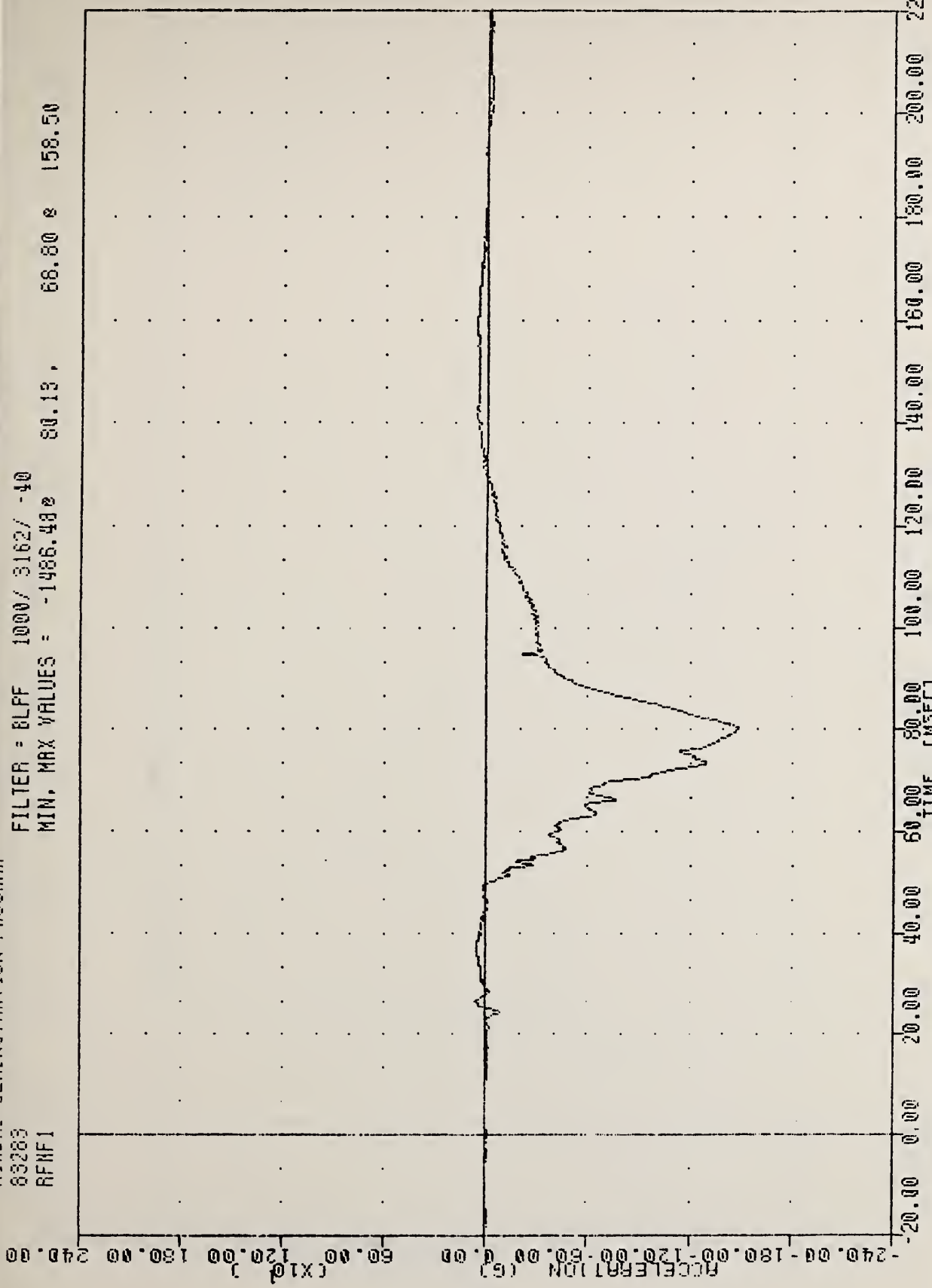
83283

RFXF1

FILTER = BLFF 1000/ 3162/ -40

MIN. MAX VALUES = -1486.48e 80.13,

66.80 e 158.50



AIRBAG DEMONSTRATION PROGRAM
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83285

ABFT1

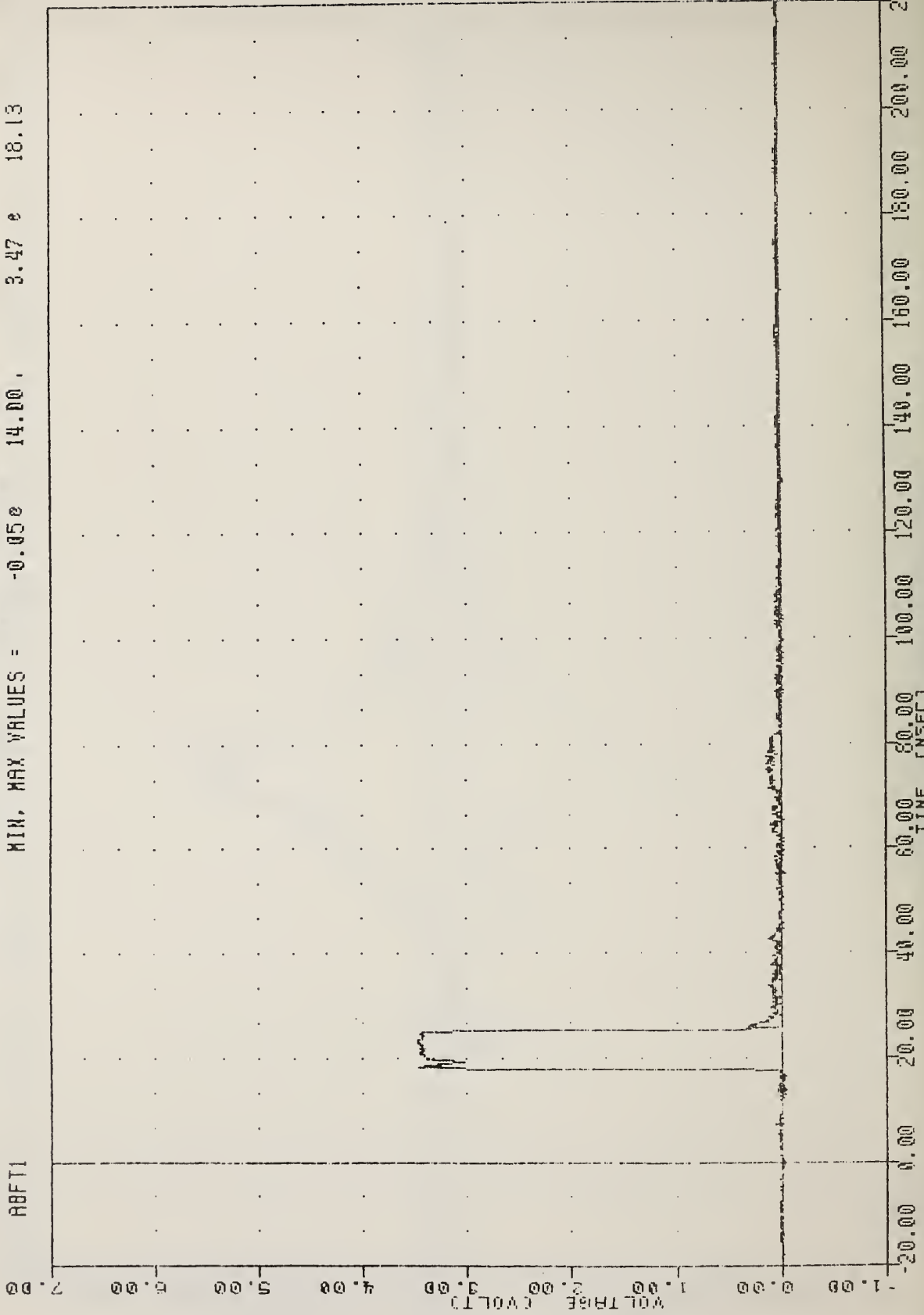
FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.05e

14.00

3.47 e

18.13



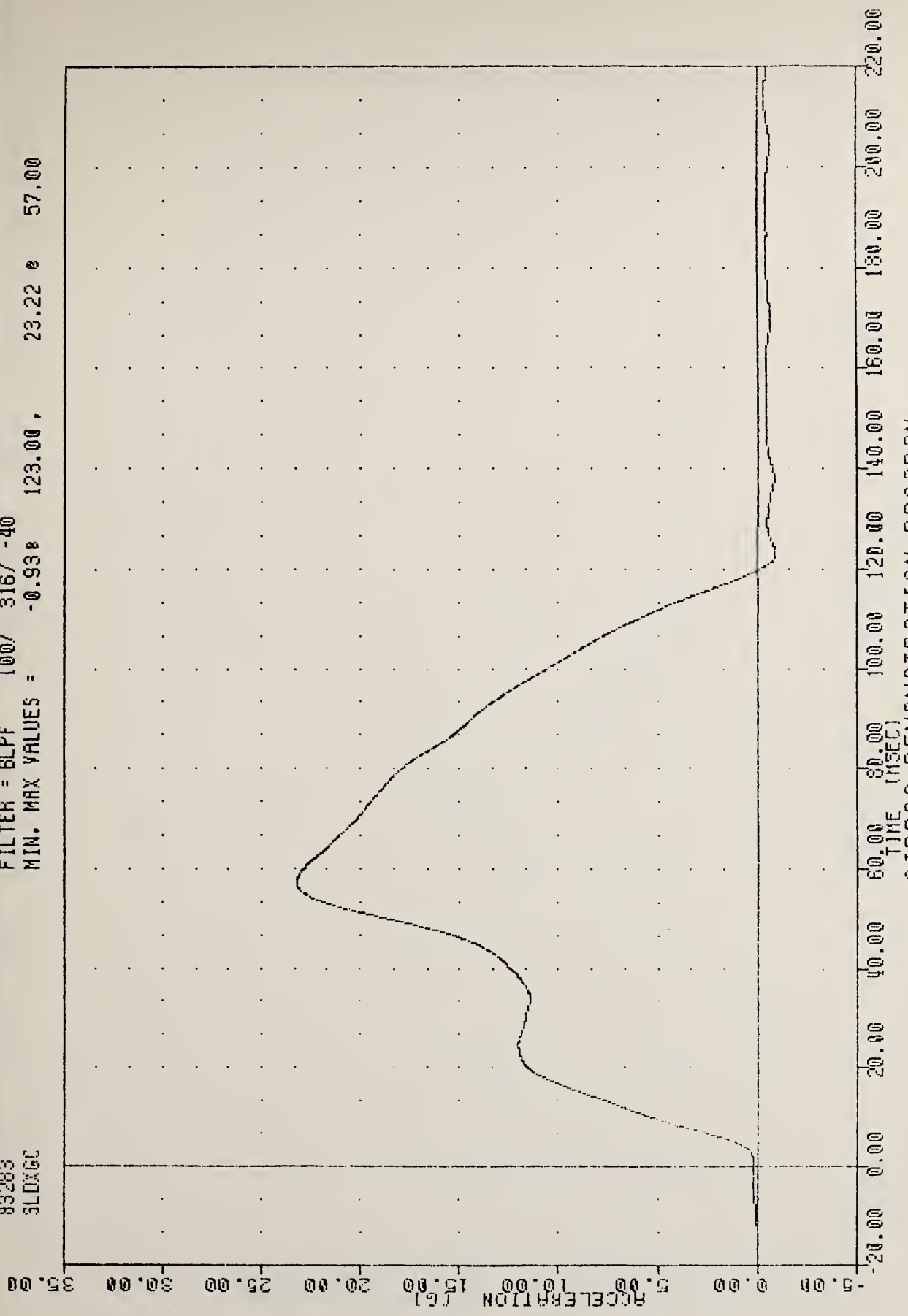
AIRBAG DEMONSTRATION PROGRAM
AIR BAG FIRING EVENT 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83283

SLOXGC

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -0.93e 123.00 , 23.22 e 57.00



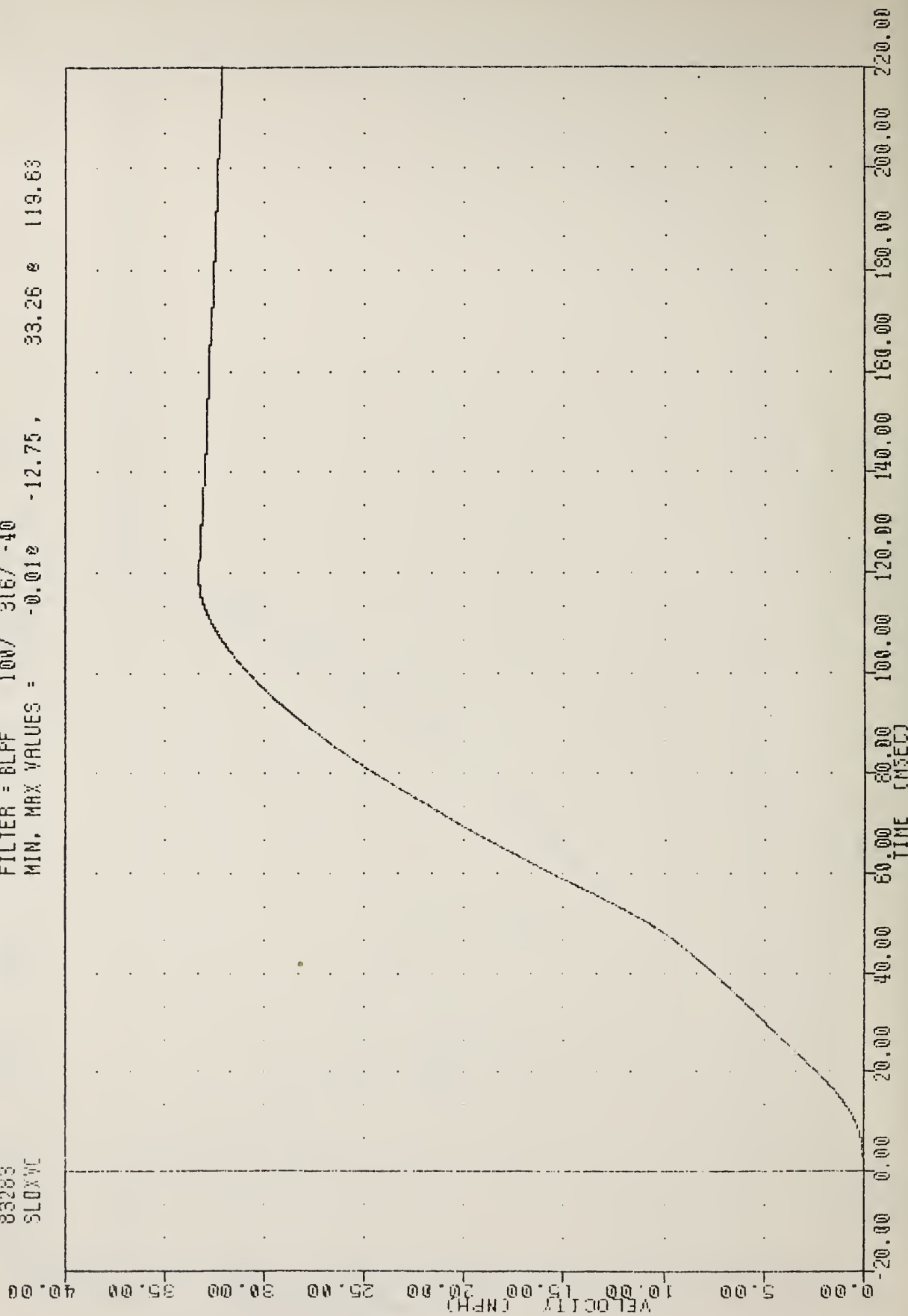
AIRBAG DEMONSTRATION PROGRAM
SLED ACCELERATION

AIRBAG DEMONSTRATION PROGRAM

83283

SLOXVC

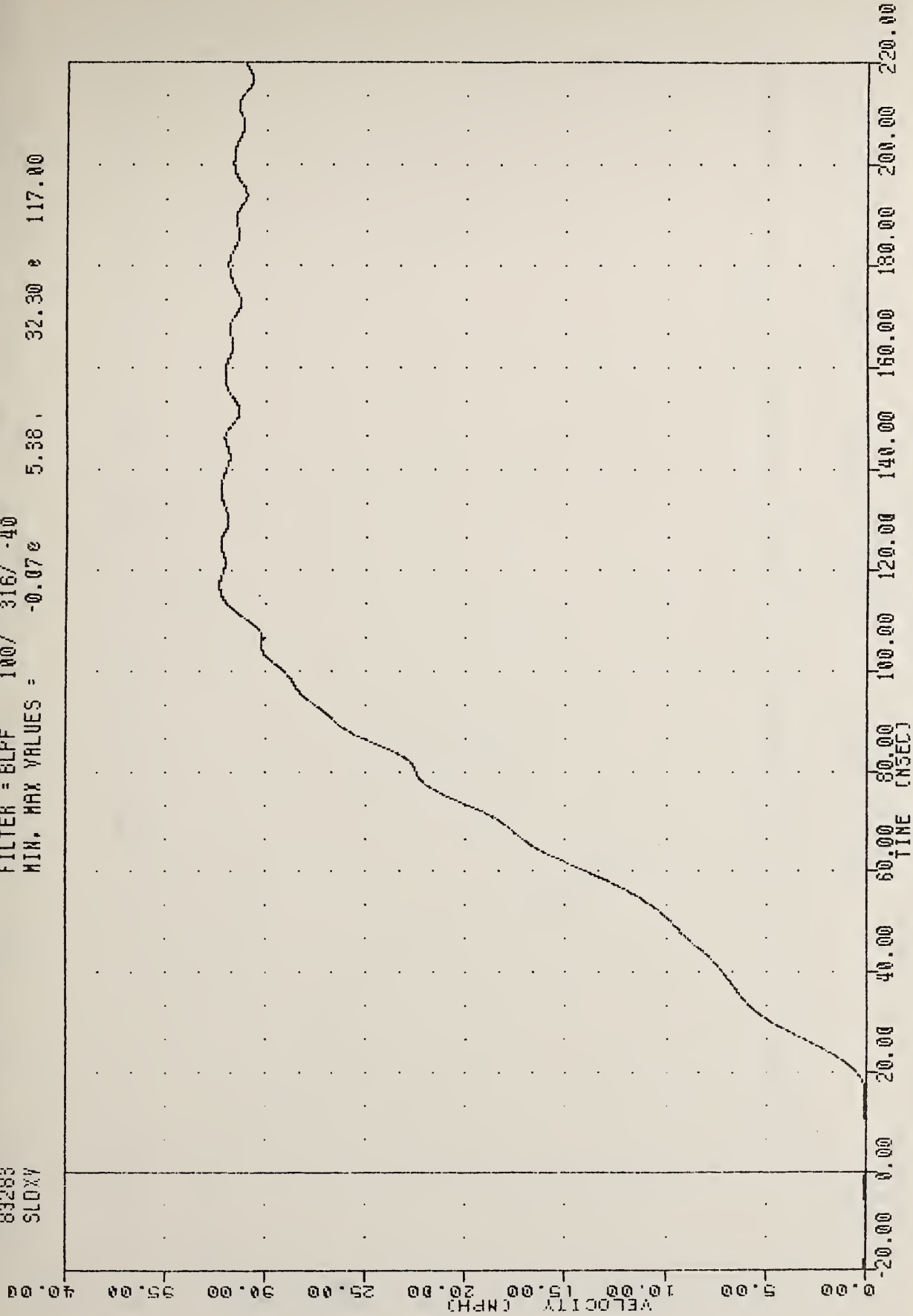
FILTER = BLFF 100/ 316/ -40
MIN. MAX VALUES = -0.01e -12.75, 33.26 e 119.63



AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM
83283
SLOXY

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -0.07e 5.38 , 32.30 e 117.00



AIRBAG DEMONSTRATION PROGRAM
SLED VELOCITY

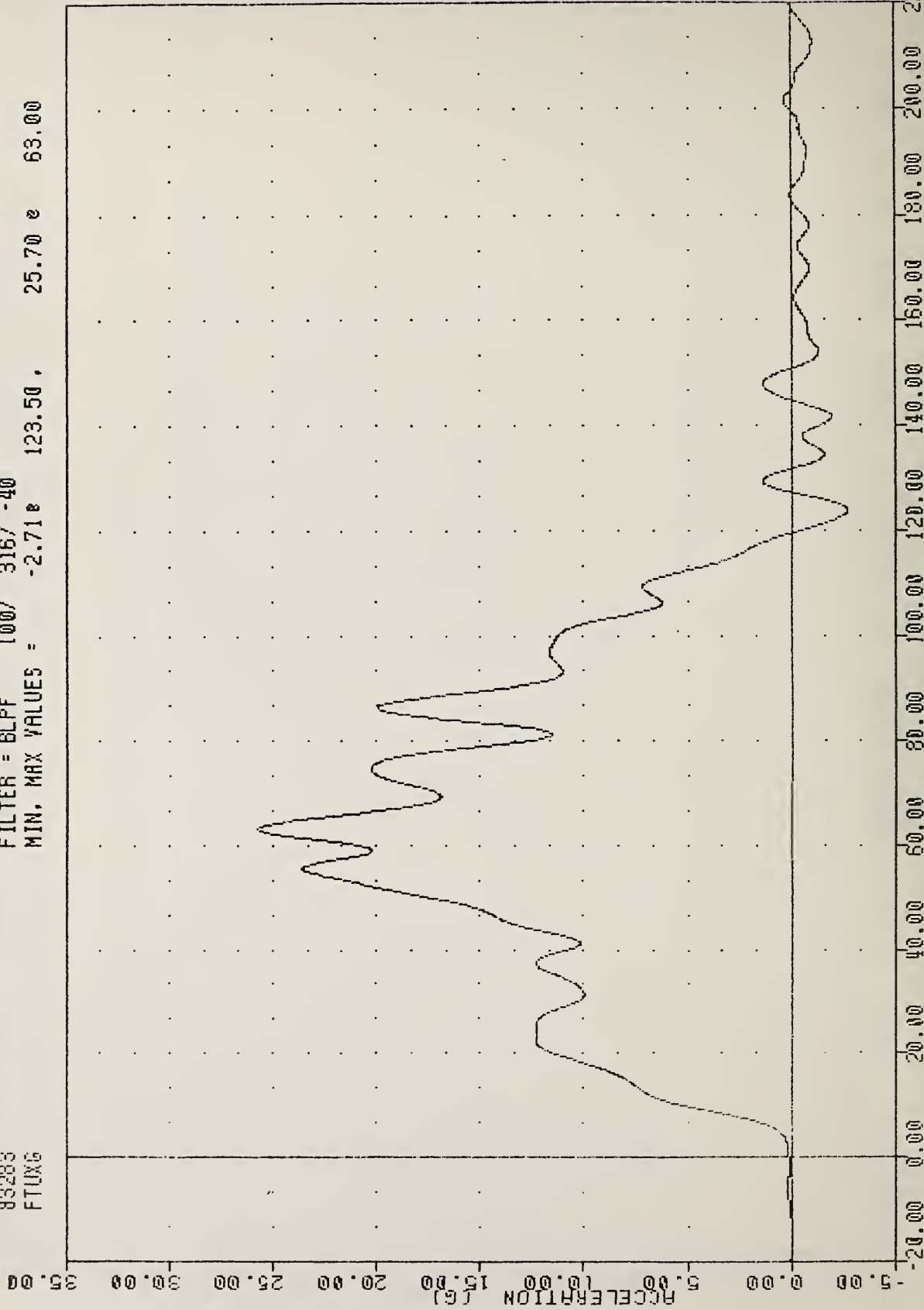
AIRBAG DEMONSTRATION PROGRAM

83283

FTUXG

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -2.71e 123.50 , 25.70 e 63.00



AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

AIRBAG DEMONSTRATION PROGRAM

83283

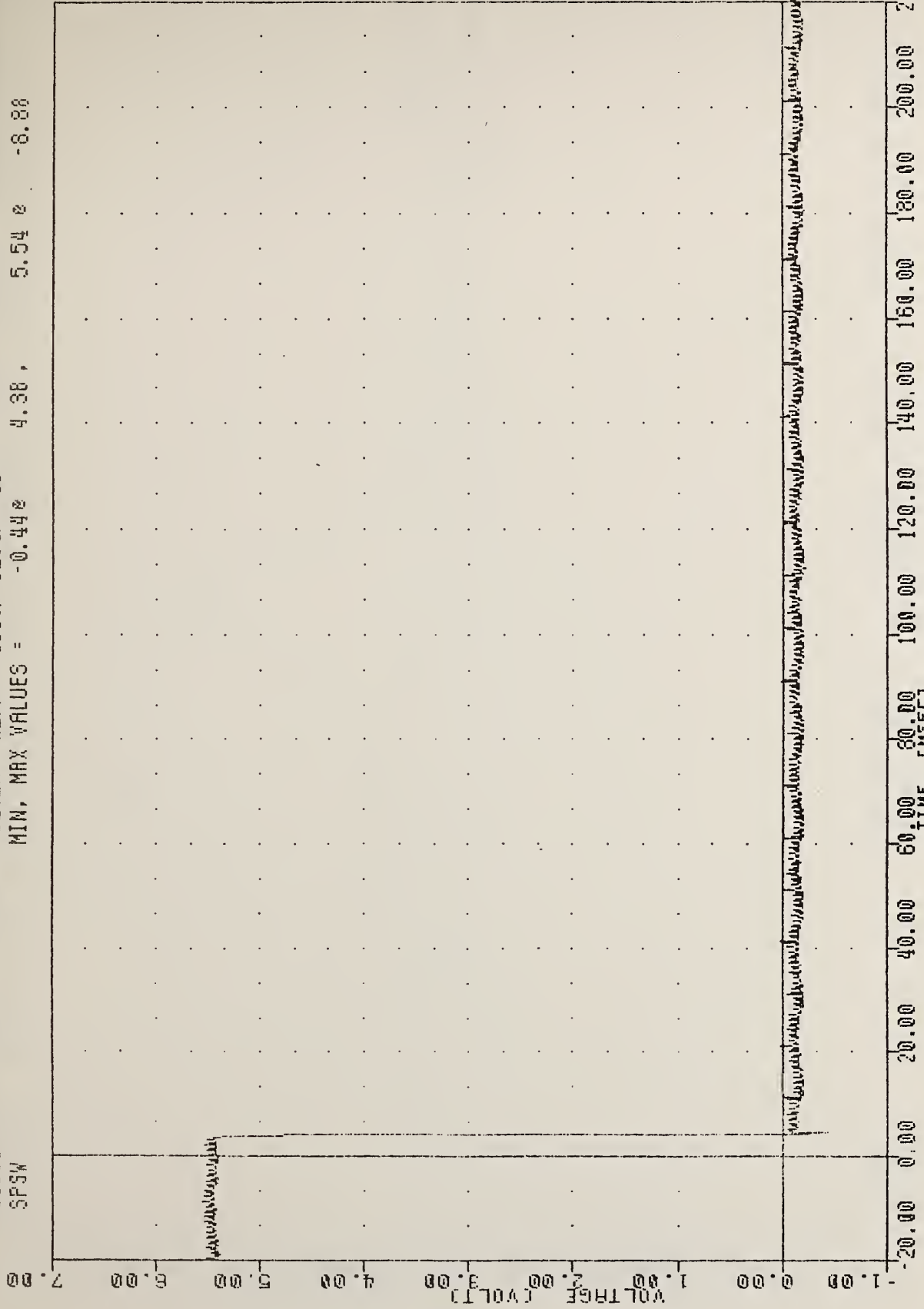
SPSW

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -0.448

4.38 , 5.54 8

-6.88



60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME [MSEC]
AIRBAG DEMONSTRATION PROGRAM
SLED POSITION SWITCH

AIRBAG DEMONSTRATION PROGRAM

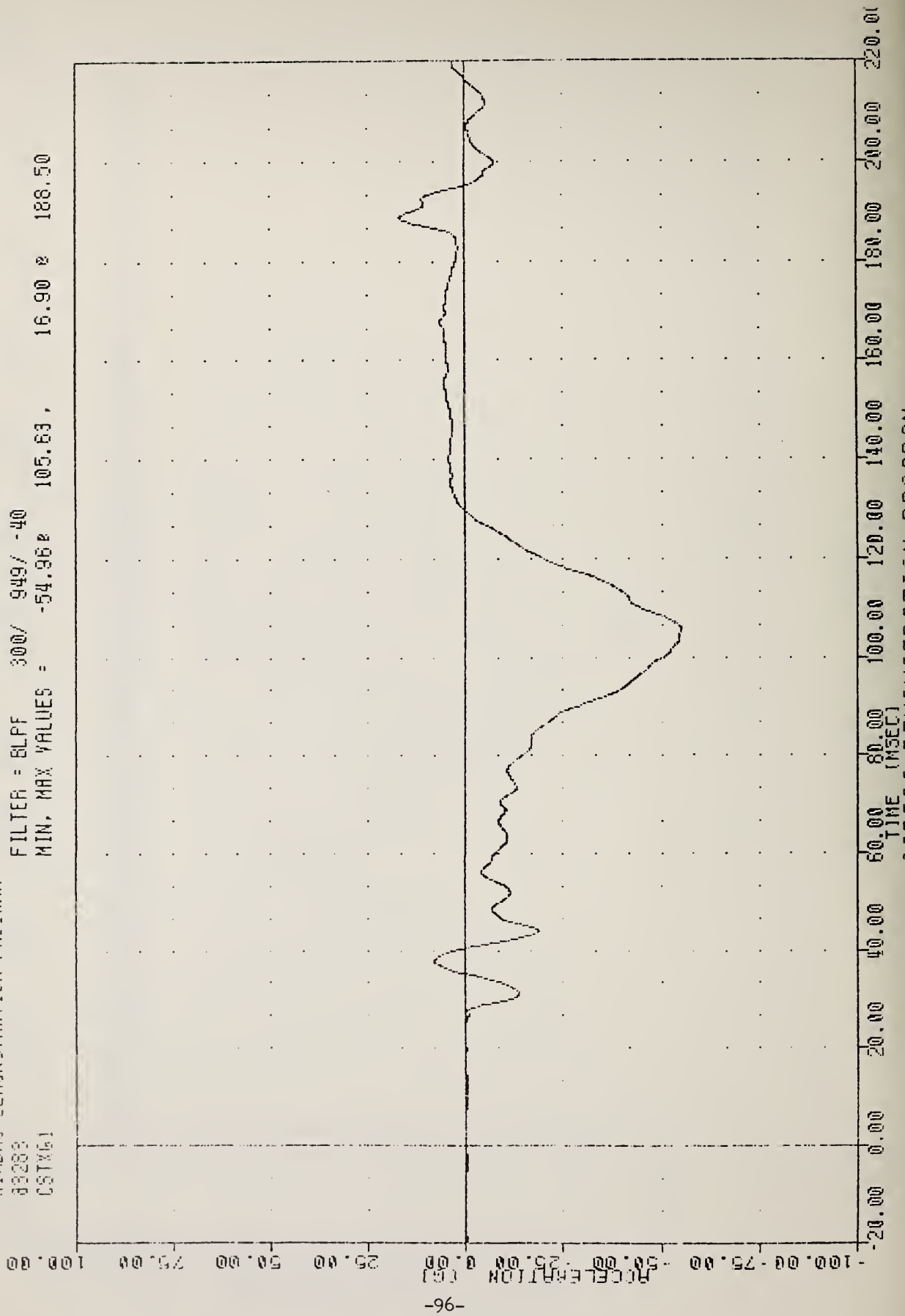
83283

CSTXG1

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -54.96g 105.83g

16.90g 188.50g

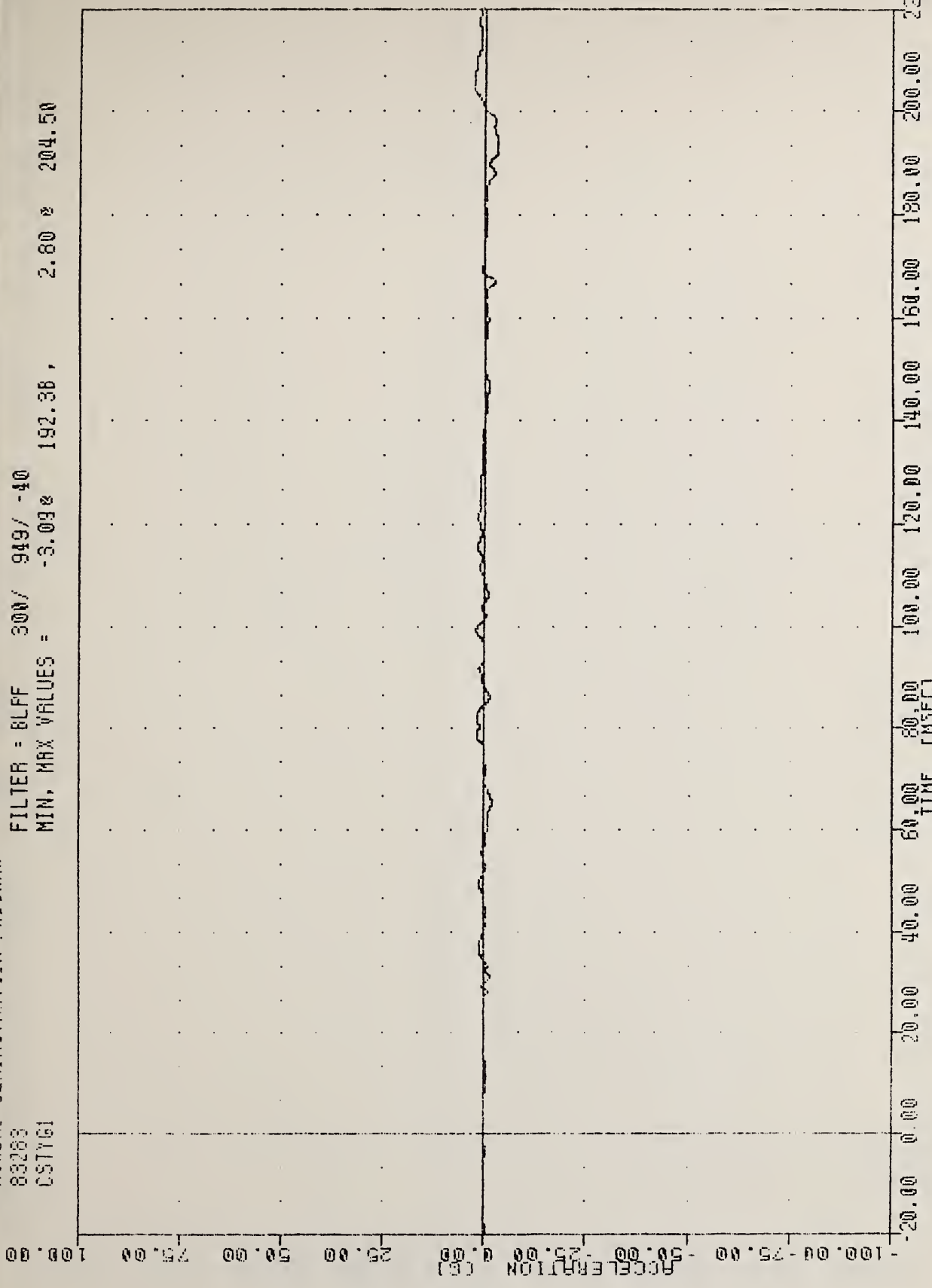


AIRBAG DEMONSTRATION PROGRAM

CHEST ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83263
CSTY61

FILTER = BLFF 30N/ 949/ -40
MIN. MAX VALUES = -3.09e 192.36, 2.80 e 204.50



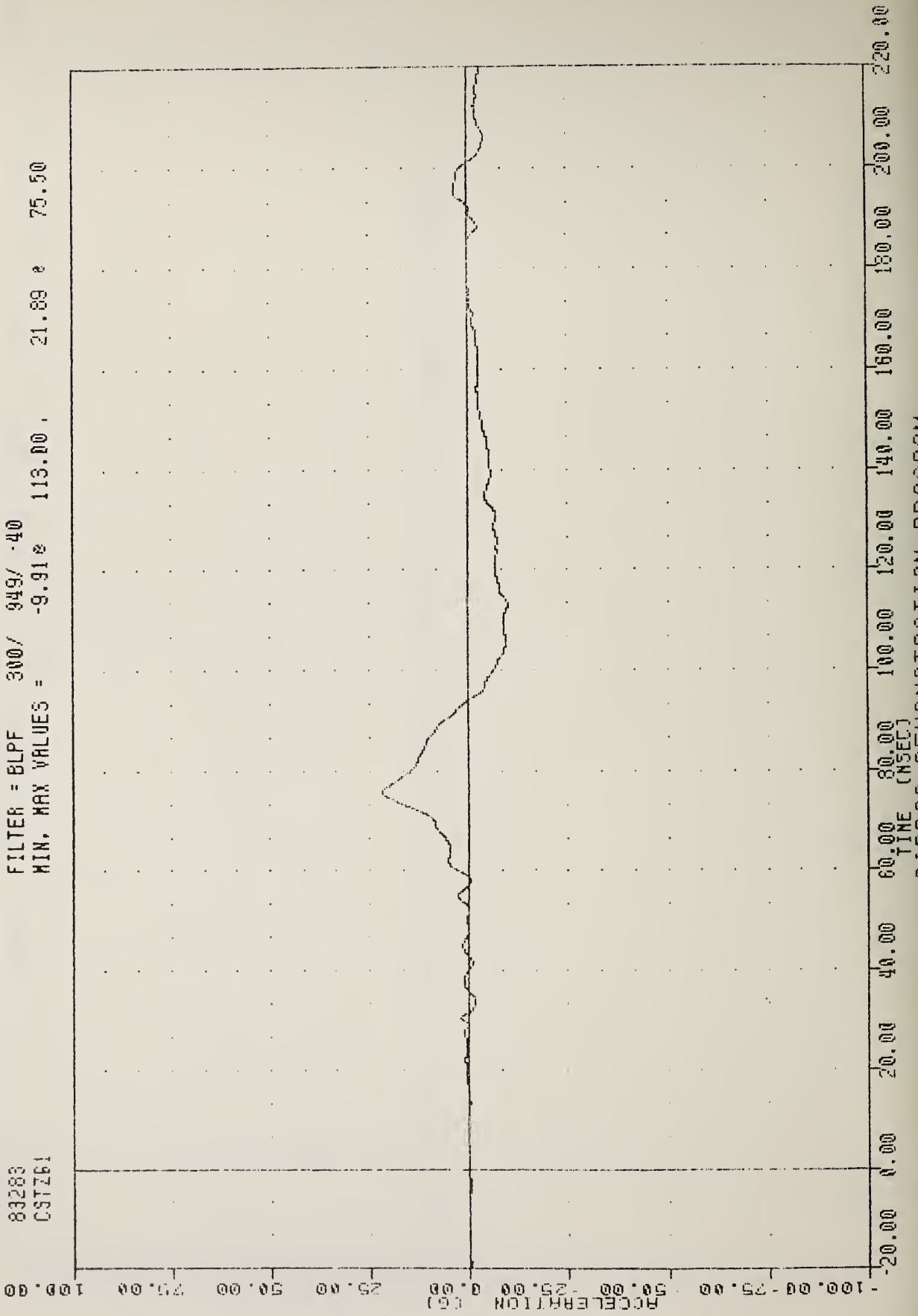
-100.00 -75.00 -50.00 -25.00 0.00 25.00 50.00 75.00 100.00
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83283
CSTZ61

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -9.91e 113.00 . 21.89 e 75.50



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

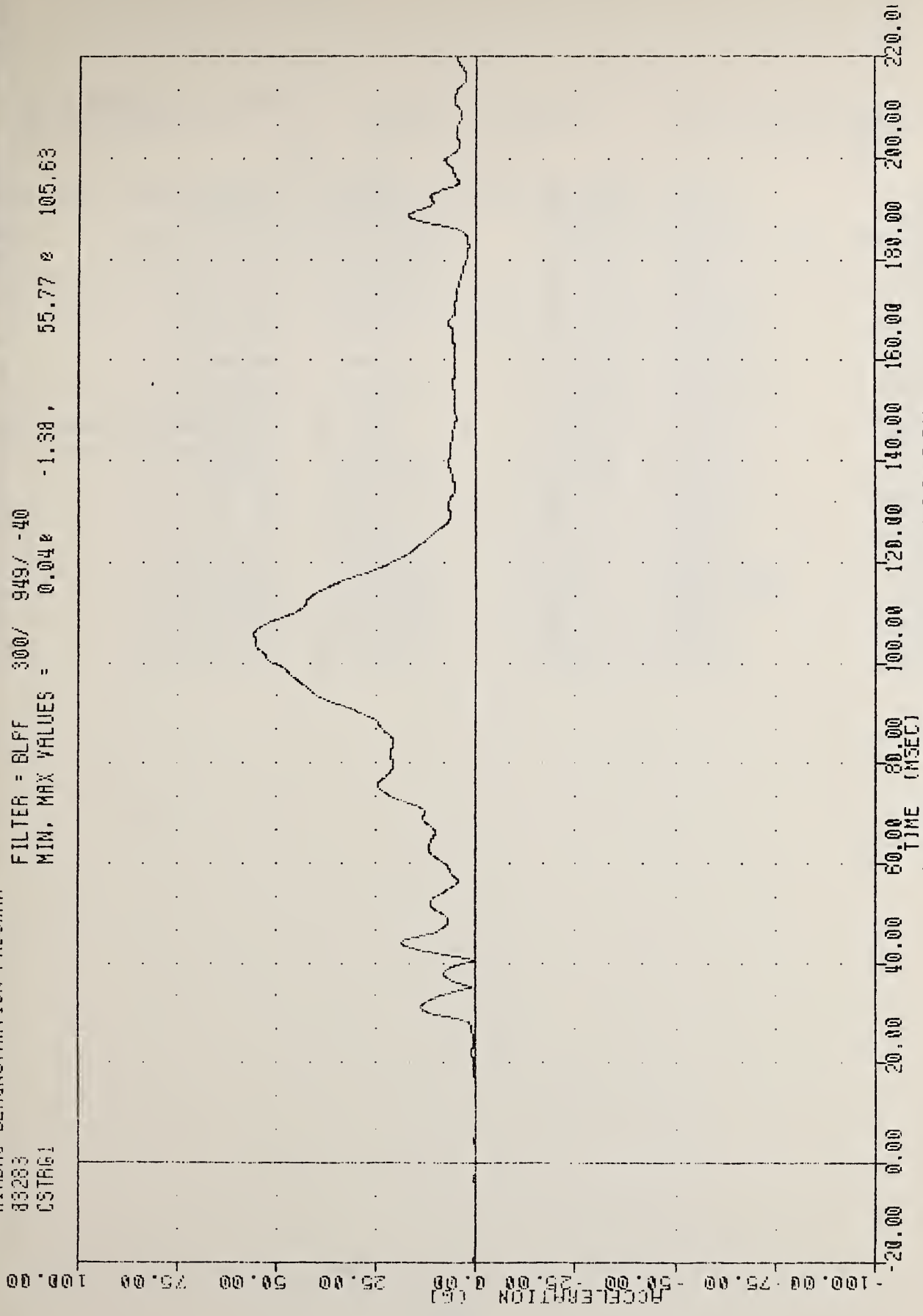
83283

CSTR61

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = 0.04e

-1.38, 55.77 e 105.63



AIRBAG DEMONSTRATION PROGRAM
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

DEMONSTRATION PROGRAM

0.0 mph

83284

VRTC

RD583-2-02

12-OCT-83 16:41:26

	Min value	Max value	Unit
SPSW	-0.354 @ 301.750	5.478 @ -25.125 msec	volt
SLDXGC	-0.942 @ 123.750	23.327 @ 56.875 msec	g
SLDXVC	-0.013 @ -14.000	33.405 @ 120.125 msec	mph
SLDXV	-0.230 @ 352.375	32.487 @ 124.875 msec	mph
FTUXG	-2.407 @ 125.125	27.443 @ 67.000 msec	g
ABFT1	-0.154 @ 275.750	3.435 @ 22.500 msec	volt
HEDXG1	-85.654 @ 100.500	43.844 @ 195.500 msec	g
HEDXV1	-37.427 @ 364.250	0.101 @ 33.000 msec	mph
HEDYG1	-17.482 @ 100.375	6.589 @ 123.500 msec	g
HEDZG1	-136.065 @ 100.375	39.802 @ 104.000 msec	g
CSTXG1	-43.264 @ 103.125	5.646 @ 365.375 msec	g
CSTXV1	-35.257 @ 137.875	0.001 @ 3.625 msec	mph
CSTYG1	-4.737 @ 107.875	3.441 @ 76.500 msec	g
CSTZG1	-29.298 @ 102.000	22.099 @ 79.250 msec	g
PEVXG1	-72.994 @ 74.125	4.074 @ 305.125 msec	g
PEVYG1	-6.682 @ 51.375	11.104 @ 58.750 msec	g
PEVZG1	-9.575 @ 110.750	35.023 @ 74.875 msec	g
CSTXD	-0.003 @ 11.375	0.744 @ 103.000 msec	g
LFMF1	-1253.980 @ 73.125	160.146 @ 28.500 msec	g
RFMF1	-1393.025 @ 72.875	52.491 @ 35.125 msec	g
HEDRG1	0.005 @ -29.125	161.702 @ 100.500 msec	g
CSTRG1	0.005 @ -12.625	51.295 @ 102.125 msec	g
PEVRG1	0.012 @ -18.875	79.910 @ 74.250 msec	g

* * * HIC computation for TRC210I 12-OCT-83 16:51:03

HEDRG1 VRTC RD583-2-02 83284 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 161.70 @ 100.500

HIC = 489.49 Interval from 99.500 [1037] to 102.125 [1058]

Elapsed time = 7.41 sec

Enter channel [,stop time] -->

Enter channel [,stop time] -->

AIRBAG DEMONSTRATION PROGRAM

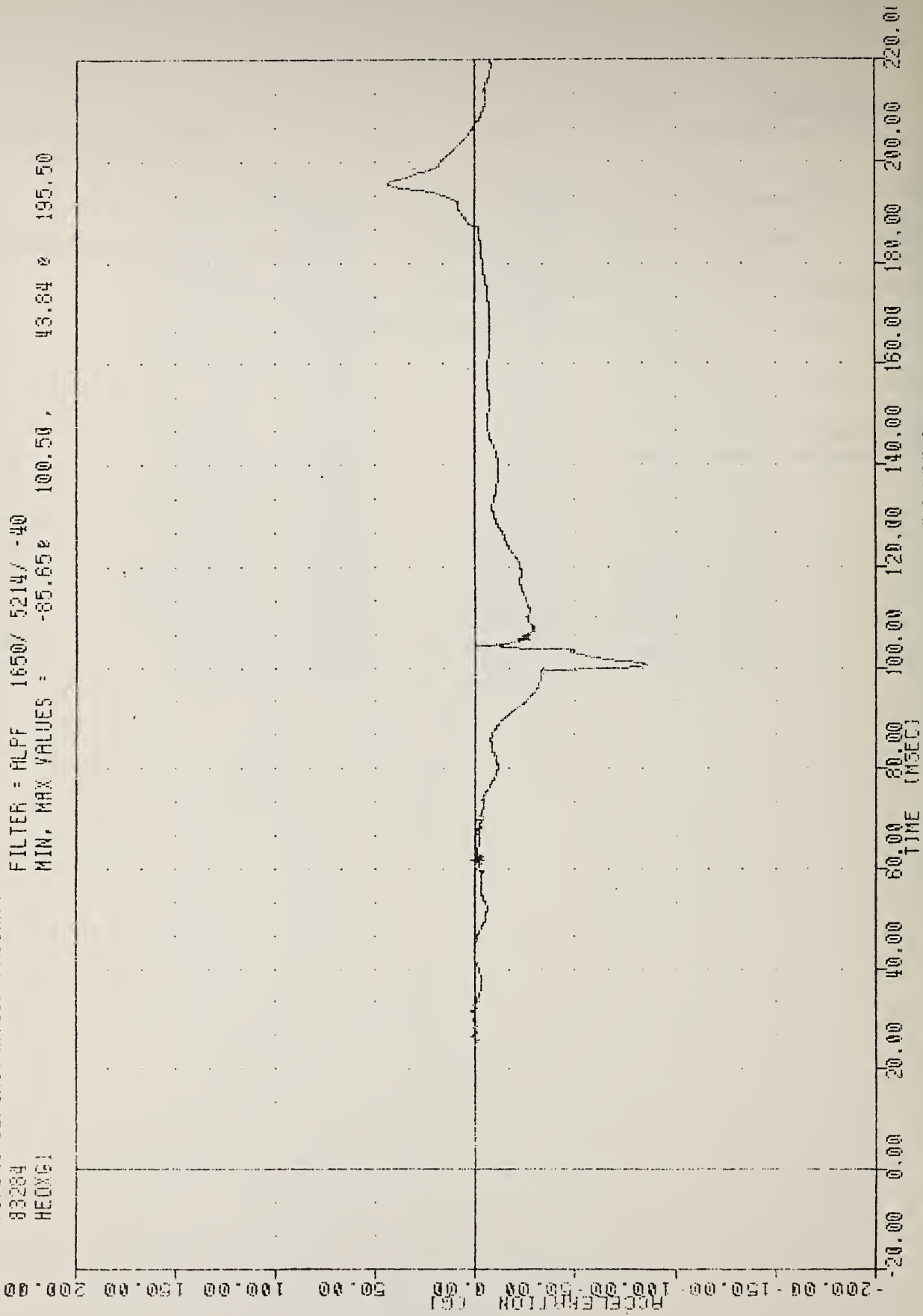
83284

FILTER = ALPF 1650/ 5214/ -40

HEADX61

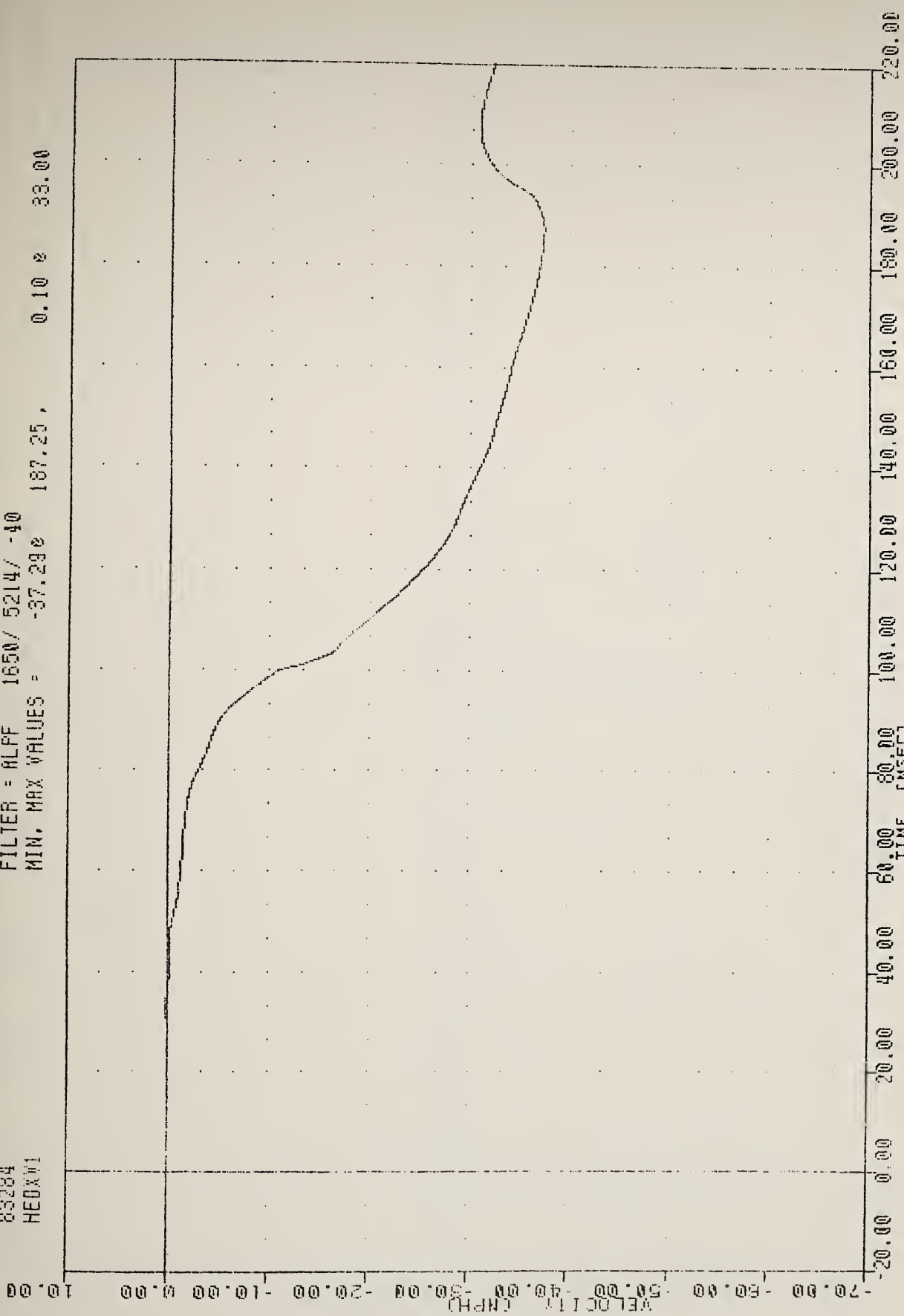
MIN. MAX VALUES = -85.65e 100.50 ,

43.64 e 195.50



VRIC , R0583-2-02
AIRBAG DEMONSTRATION PROGRAM
83284
HEADXVI

PLOT DATE 12-OCT-80 17:12:51
FILTER = ALFF 1650/ 5214/ -40
MIN. MAX VALUES = -37.29e 187.25 , 0.10 e 33.00



AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY * AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

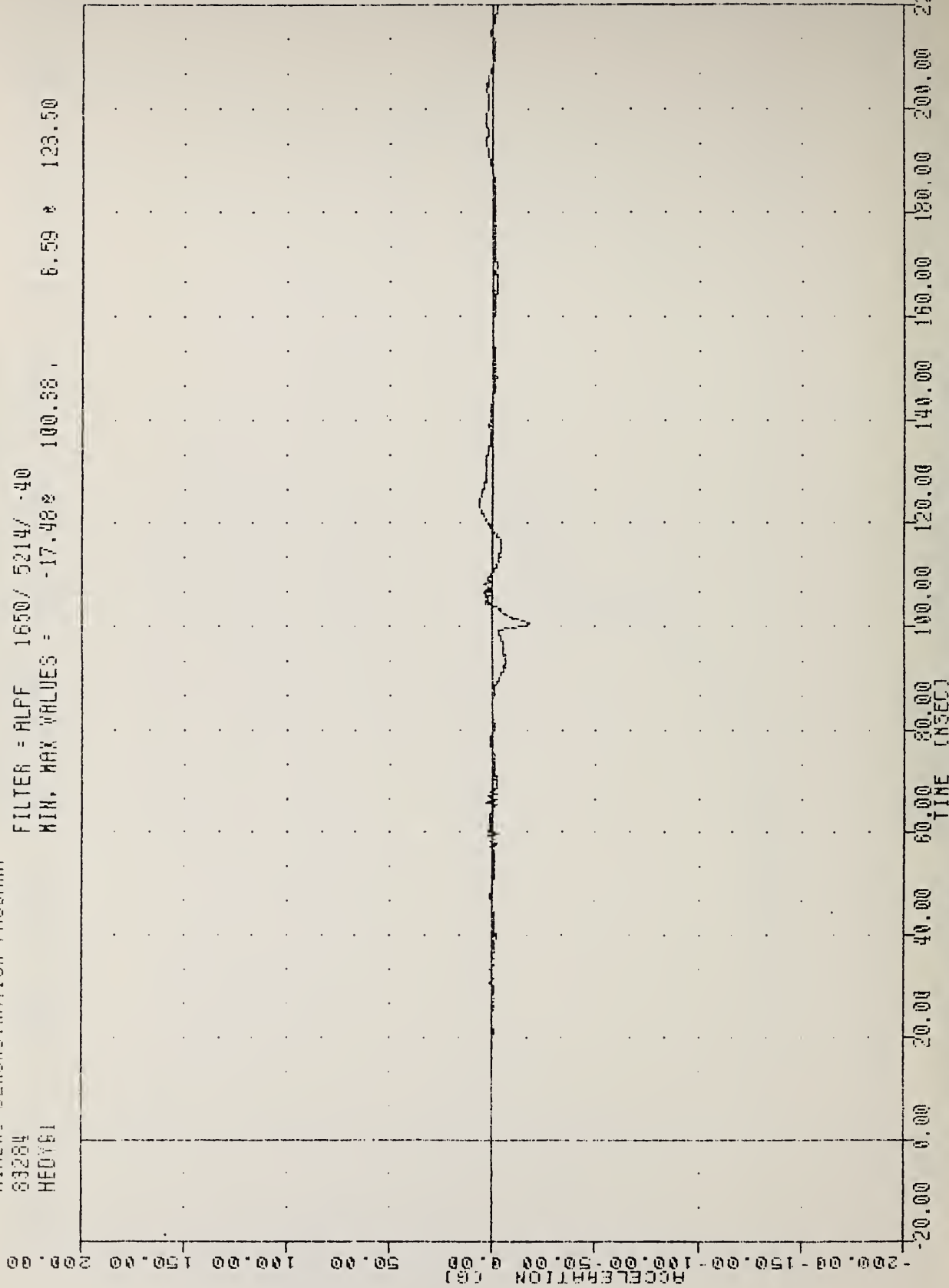
83284

HEDY61

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -17.48g 100.88g

6.59 s 123.50



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

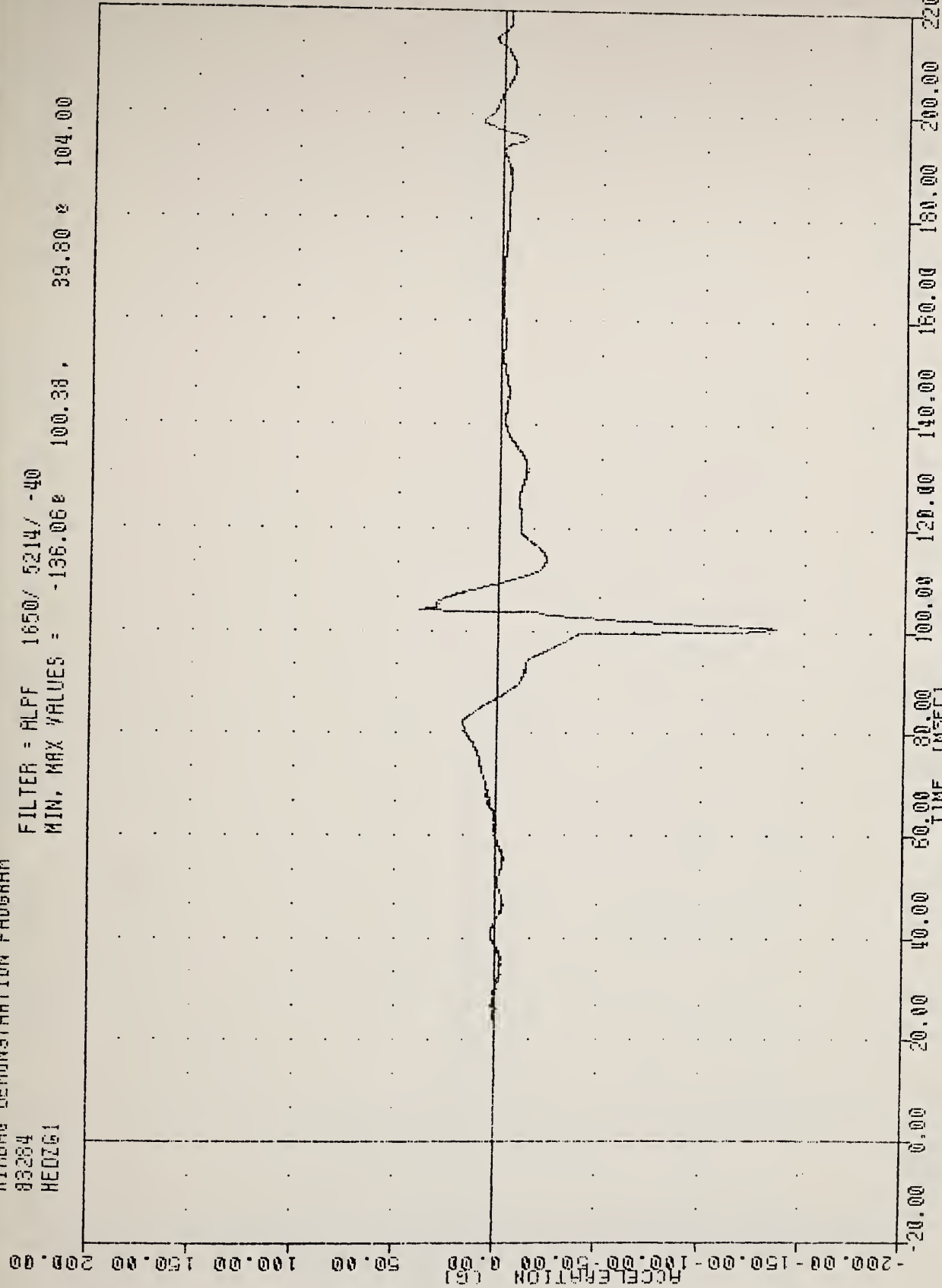
AIRBAG DEMONSTRATION PROGRAM

83284

HEAD61

FILTER = ALPF 1650/ 5214/ -40

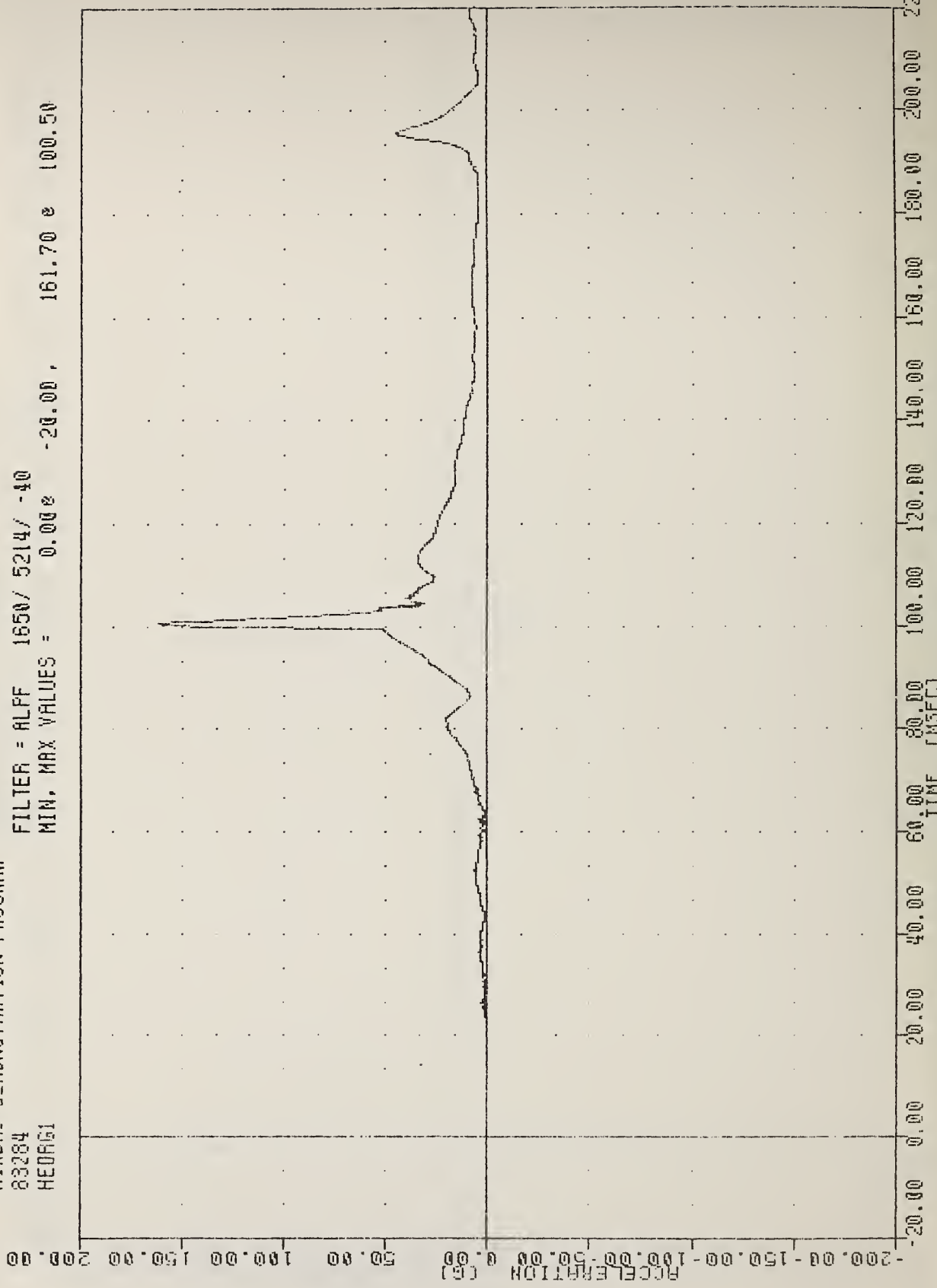
MIN, MAX VALUES = -136.06e 100.38 , 39.80 e 104.00



AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION Z AXIS 50TH PERCENTILE

VRIL , 80583-2-02 PLOT DATE 12-OCT-83 17:12:51
AIRBAG DEMONSTRATION PROGRAM
83284 FILTER = ALFF 1650/ 5214/ -40
HEAD151 MIN, MAX VALUES = 0.00% -20.00, 161.70 e 100.50

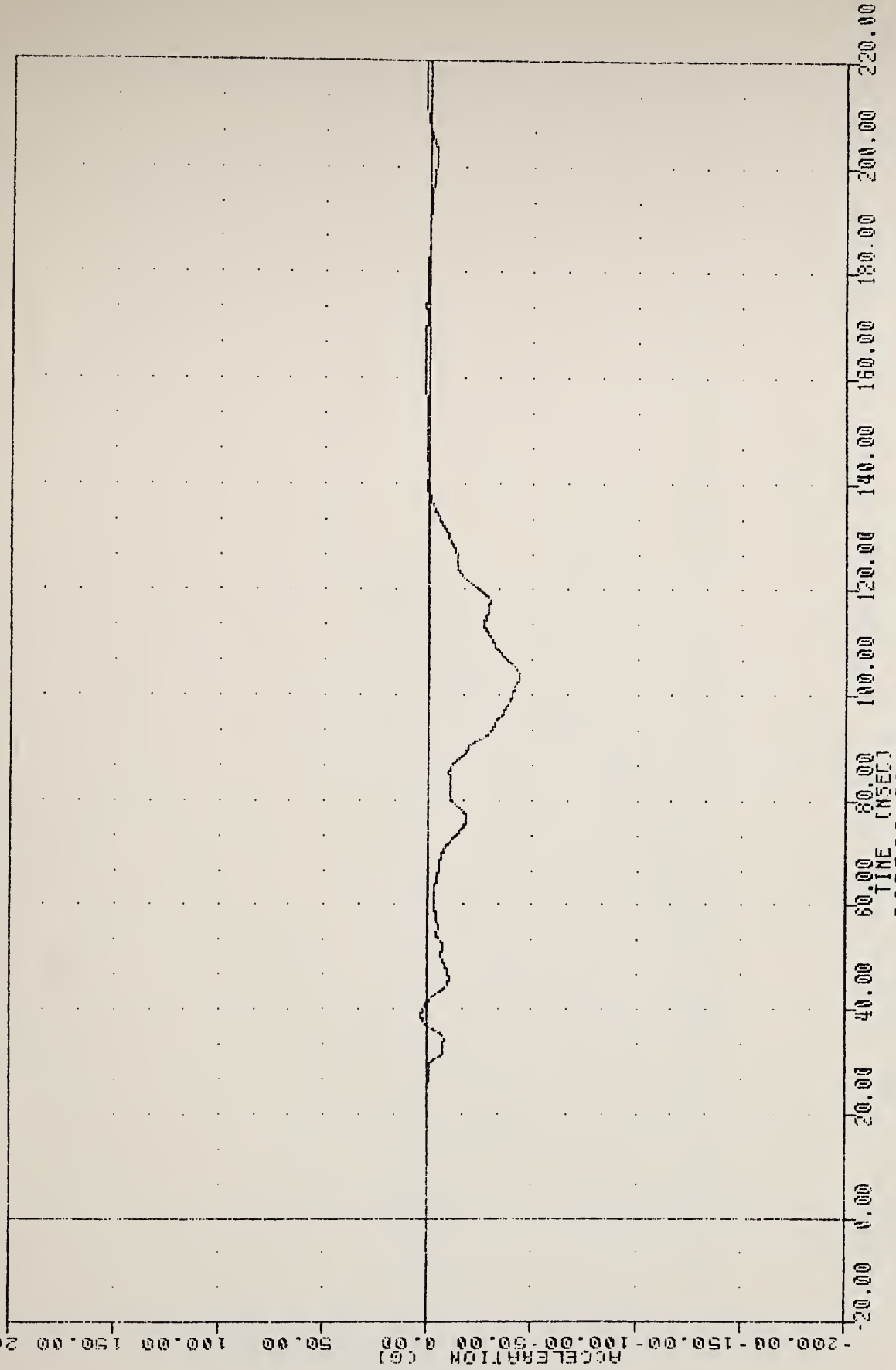


AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

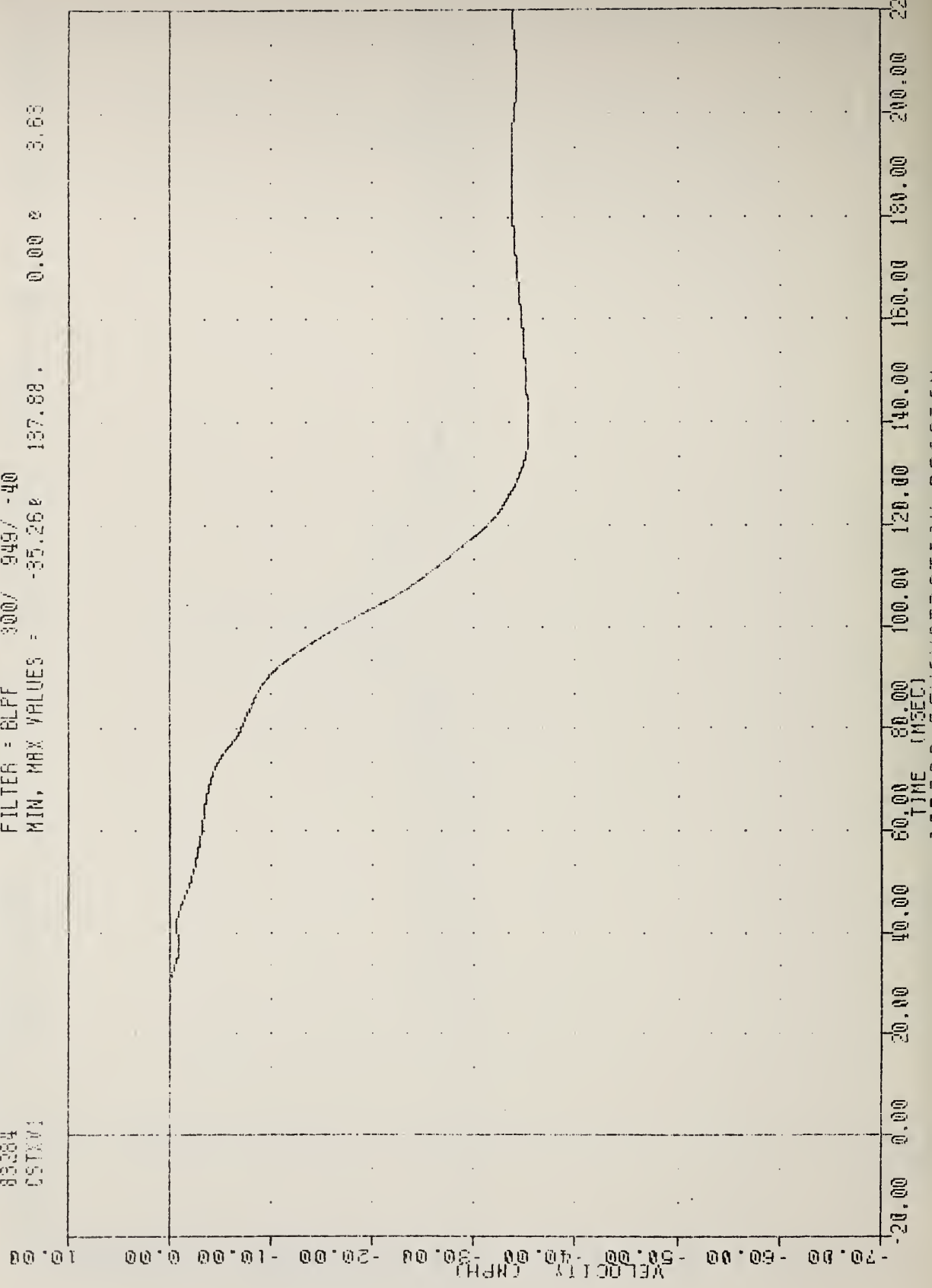
83284
CSTX61

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -43.26e 103.13. 3.08 e 38.75



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 50TH PERCENTILE

NRIC , R0583-2-02 PLOT DATE 12-OCT-83 17:12:51
 AIRBAG DEMONSTRATION PROGRAM
 83284 FILTER = BLPF 300/ 949/ -40
 CSTXV1 MIN. MAX VALUES = -35.26 137.88 0.00 3.63



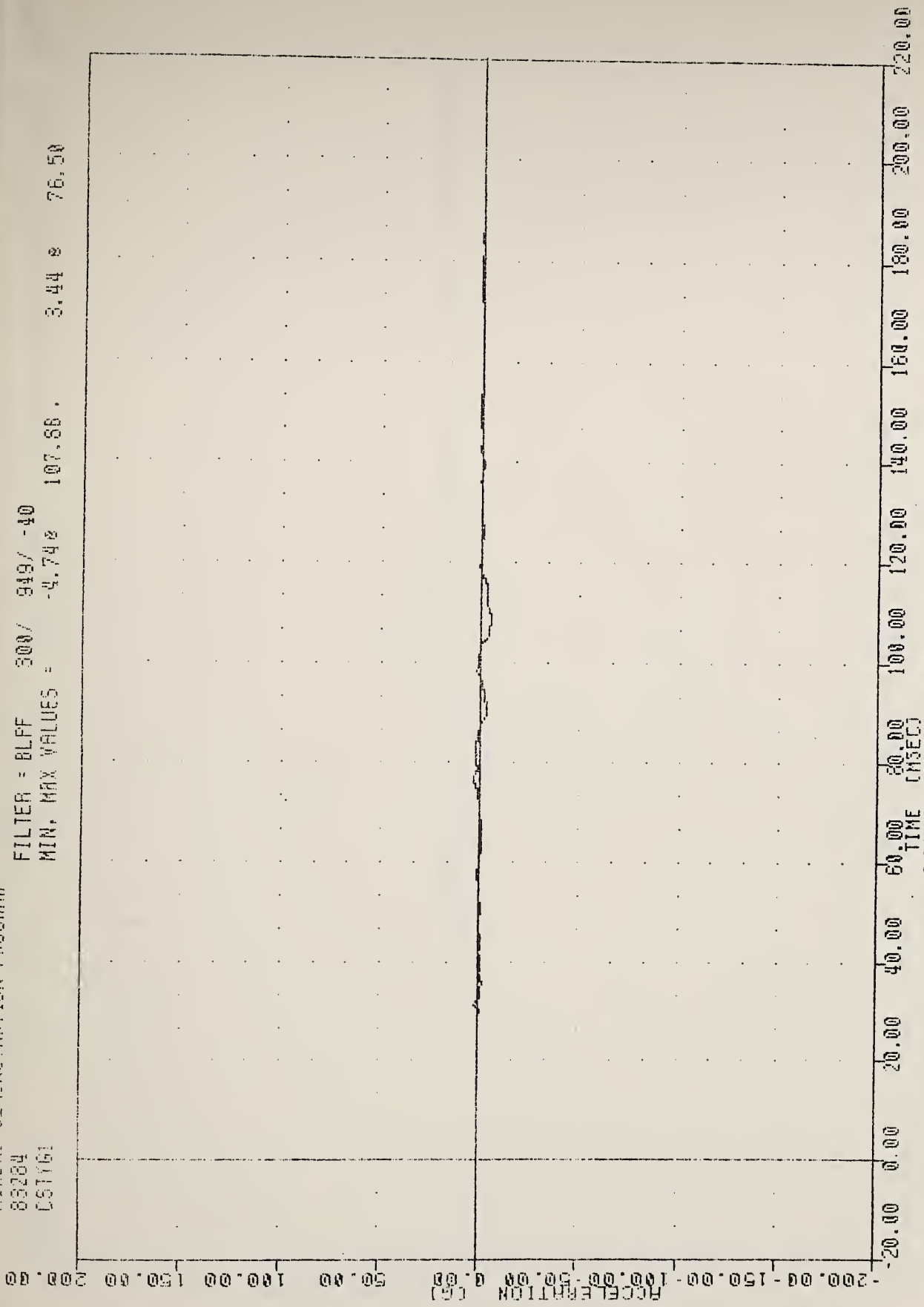
AIRBAG DEMONSTRATION PROGRAM
 CHEST VELOCITY X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83284
LST161

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -4.74 107.66

3.44 s 76.50

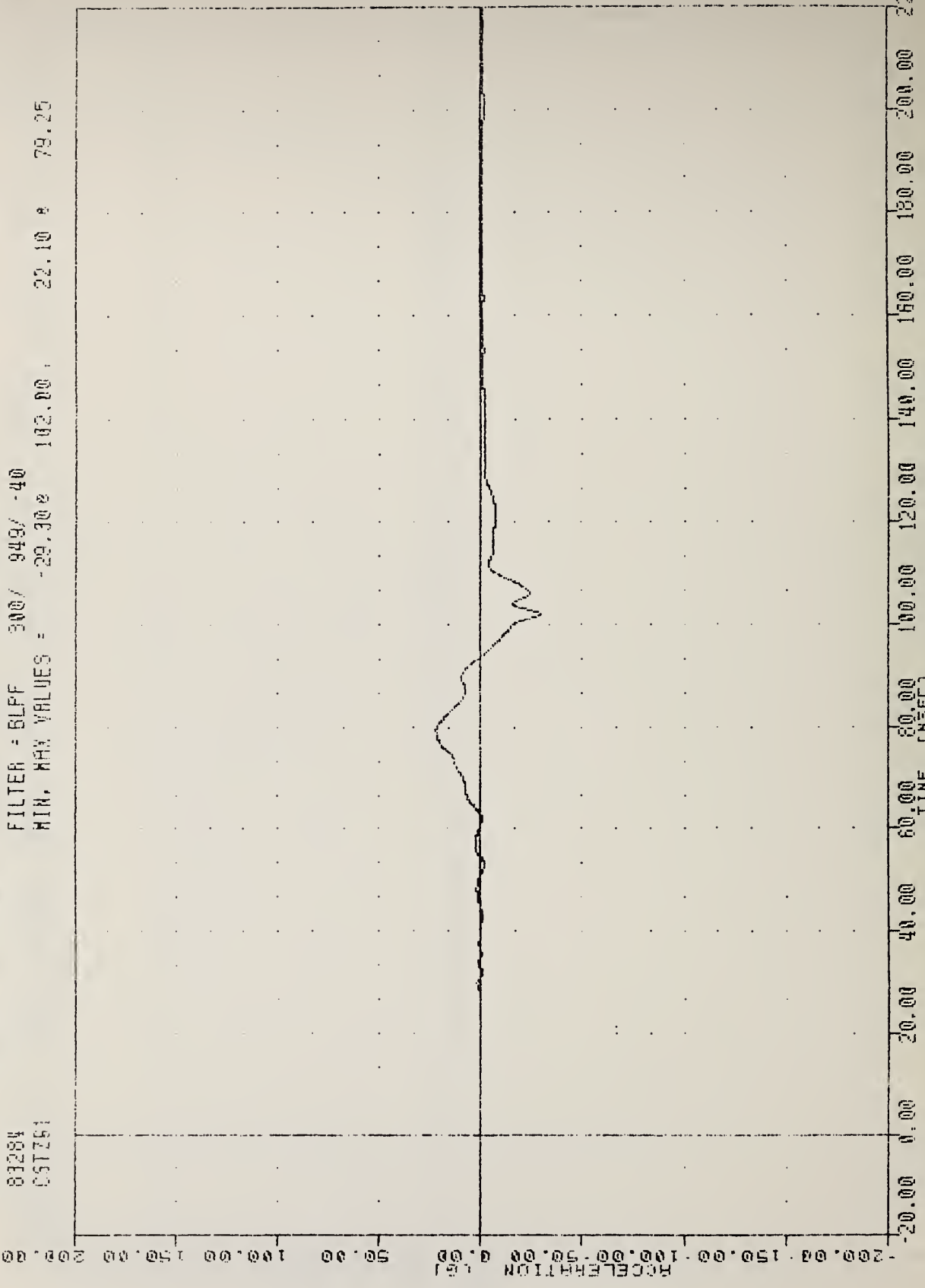


AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83284
CSTZ61

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -29.30e 102.00 22.10 e 79.25



AIRBAG DEMONSTRATION PROGRAM

CHEST ACCELERATION Z AXIS 50TH PERCENTILE

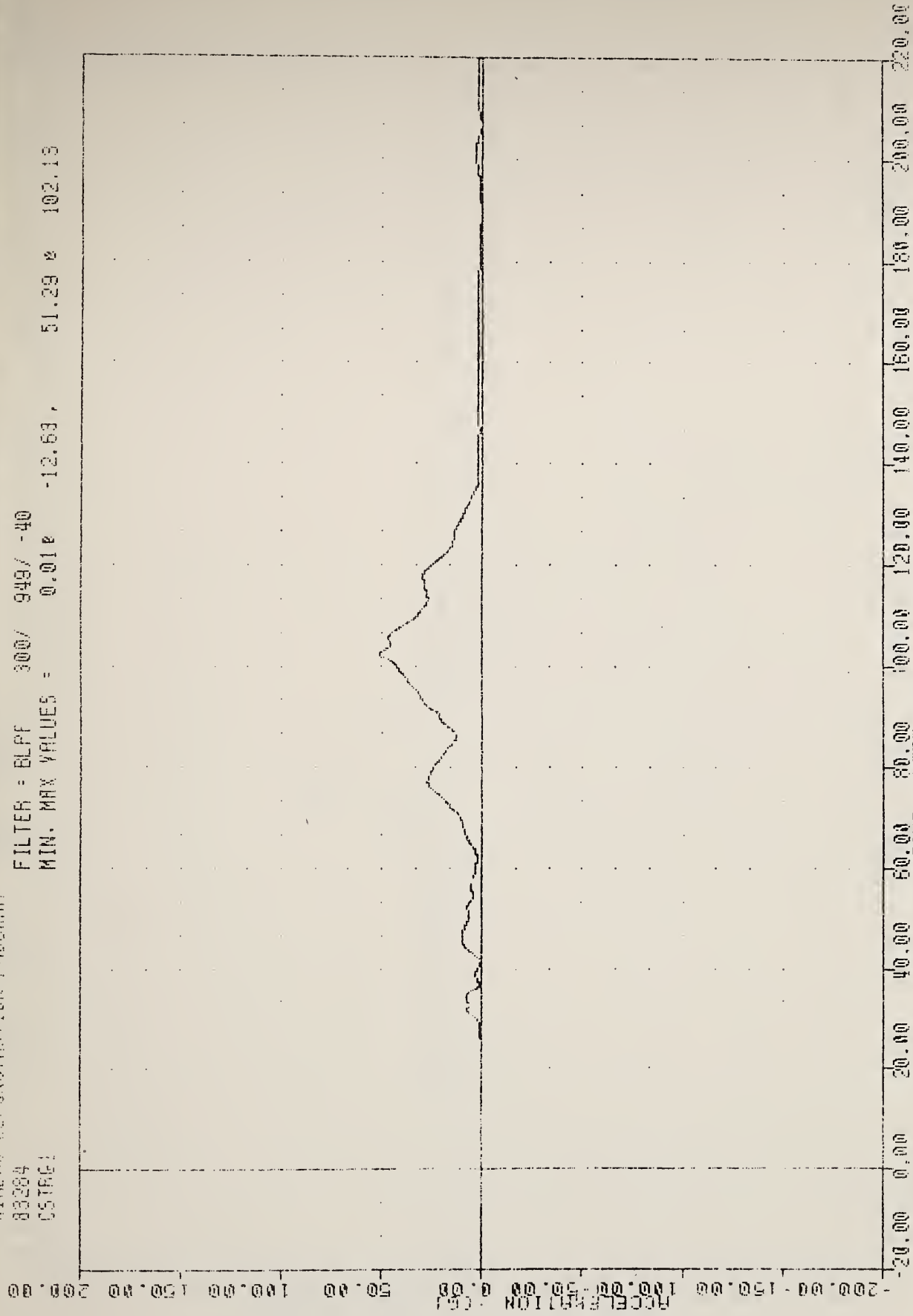
AIRBAG DEMONSTRATION PROGRAM

83284

CSTRG1

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.01g -12.63g 51.29g 102.13g



AIRBAG DEMONSTRATION PROGRAM

CHEST RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

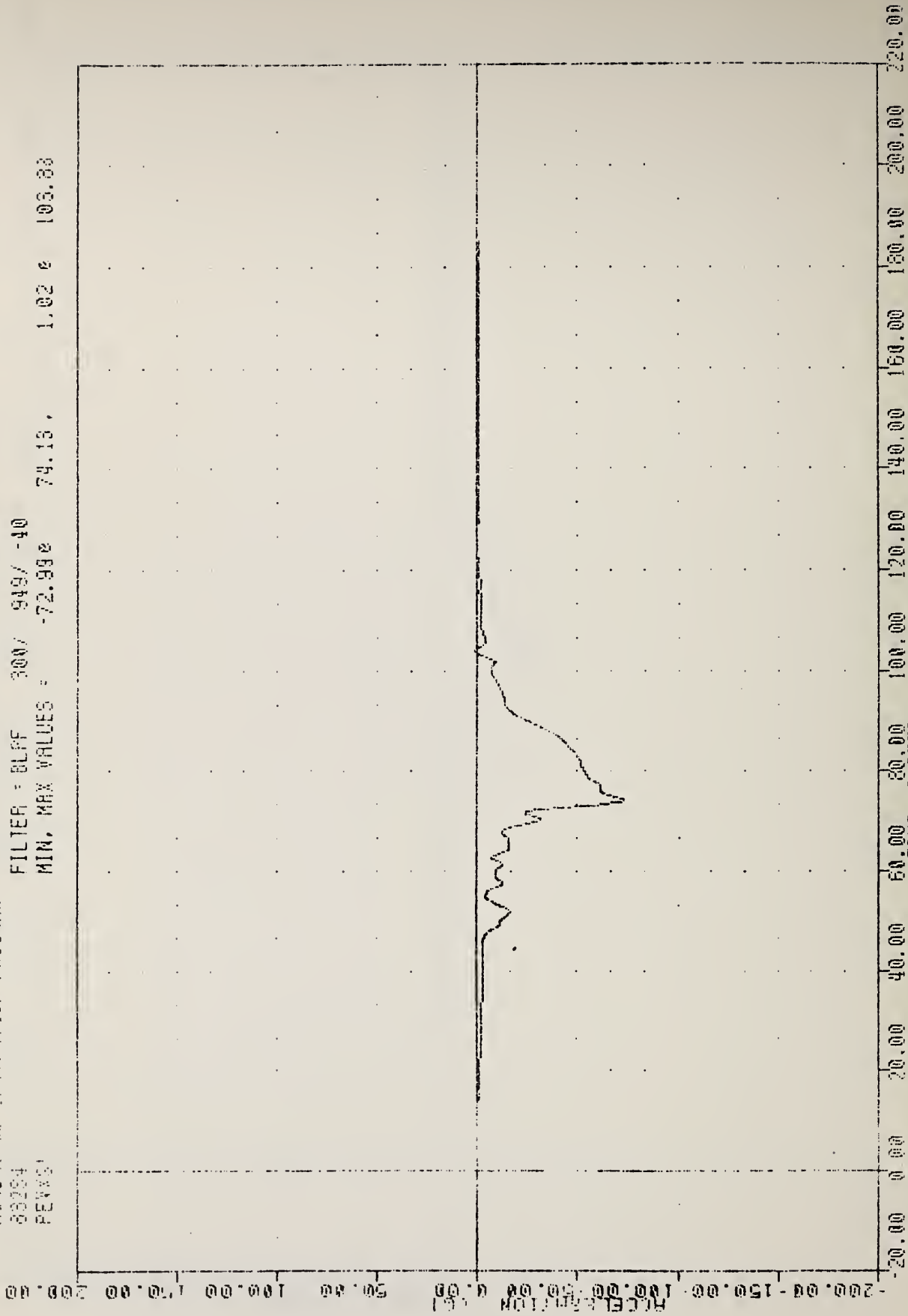
83284

PEV01

FILTER = BLFF 30V 949/ -40

MIN. MAX VALUES = -72.99e 74.13,

1.02 e 106.88



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

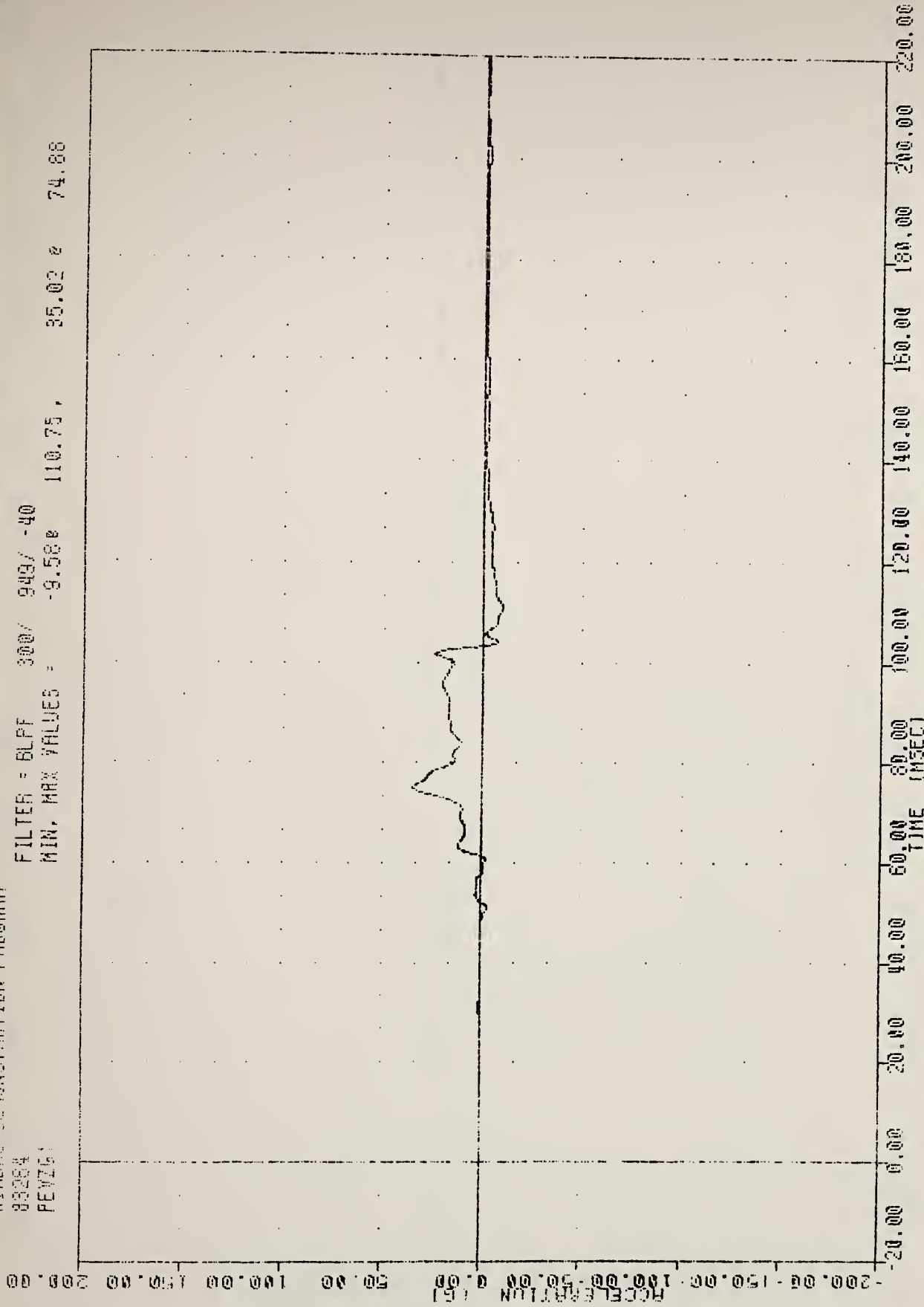
AIRBAG DEMONSTRATION PROGRAM

83284

PEVZG1

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -9.588 110.75, 35.02 e 74.88



AIRBAG DEMONSTRATION PROGRAM

PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

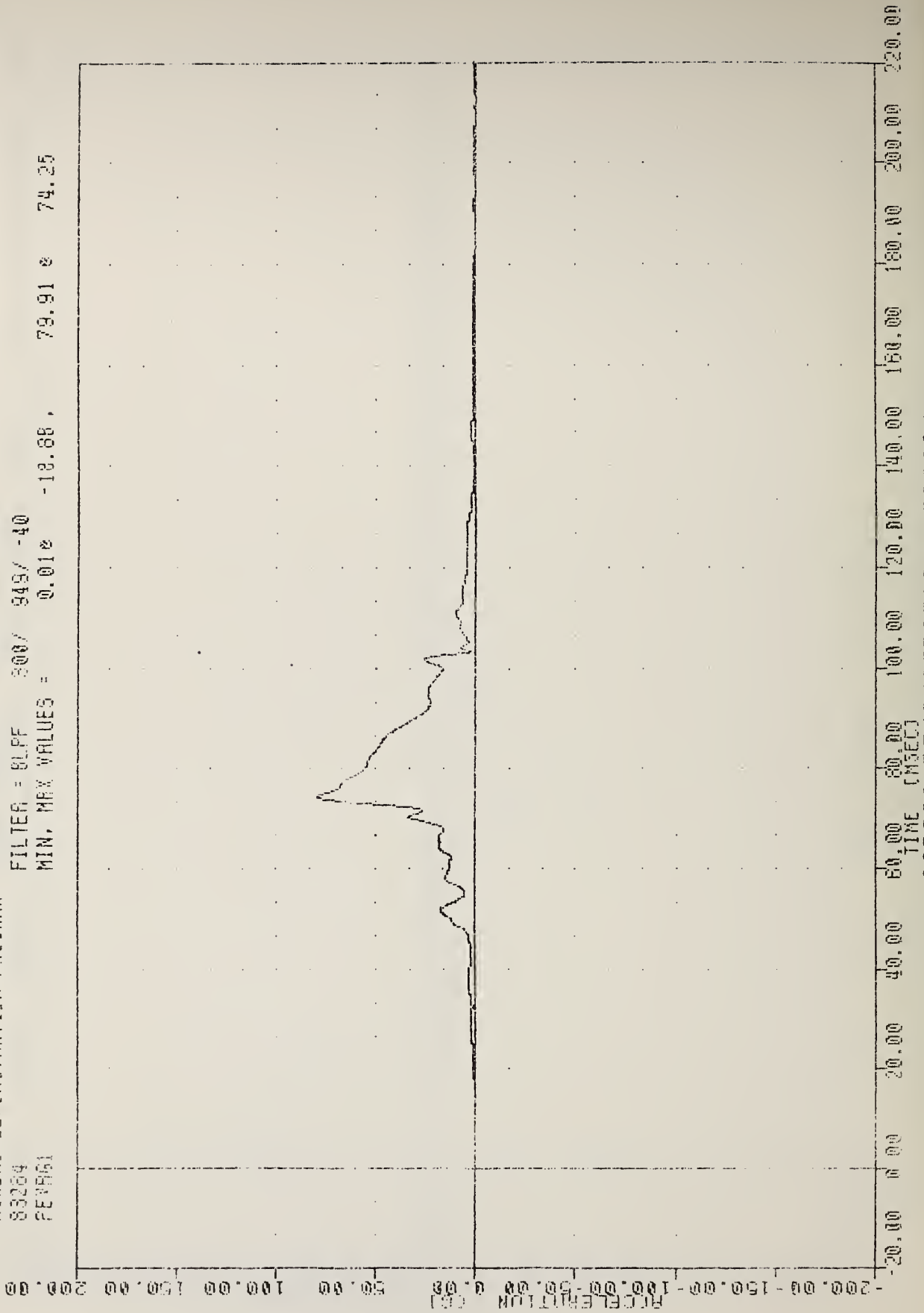
83264

FILTER = BLFF 800/ 949/ -40

PEP561

MIN, MAX VALUES = 0.01e -13.88,

79.91 e 74.25



AIRBAG DEMONSTRATION PROGRAM

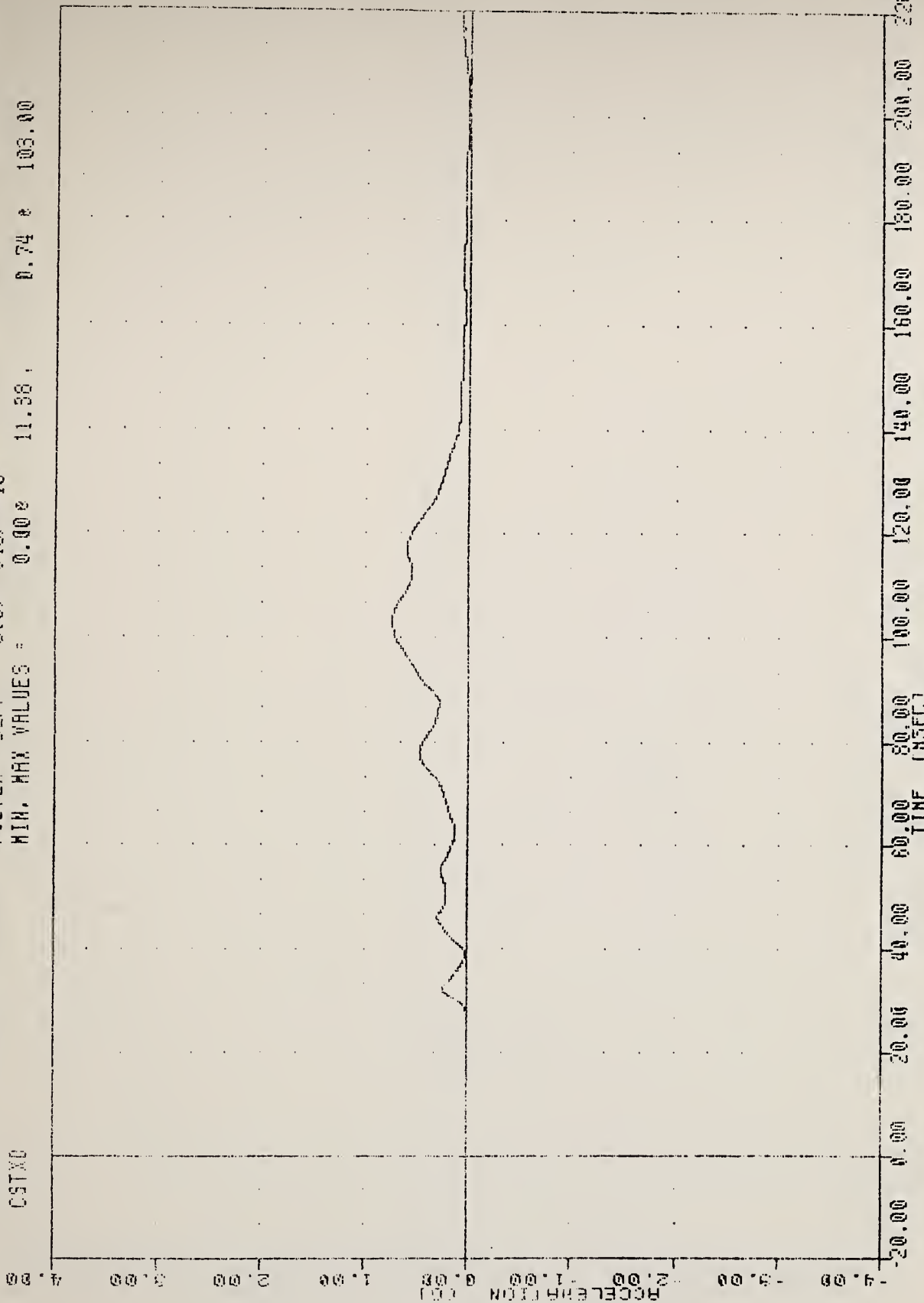
83284

CSTXD

FILTER = BLPF 500/ 949/ -40

MIN. MAX VALUES = 0.00 e 11.58 ,

0.74 e 103.00



AIRBAG DEMONSTRATION PROGRAM
CHEST DISPLACEMENT 50TH PERCENTILE

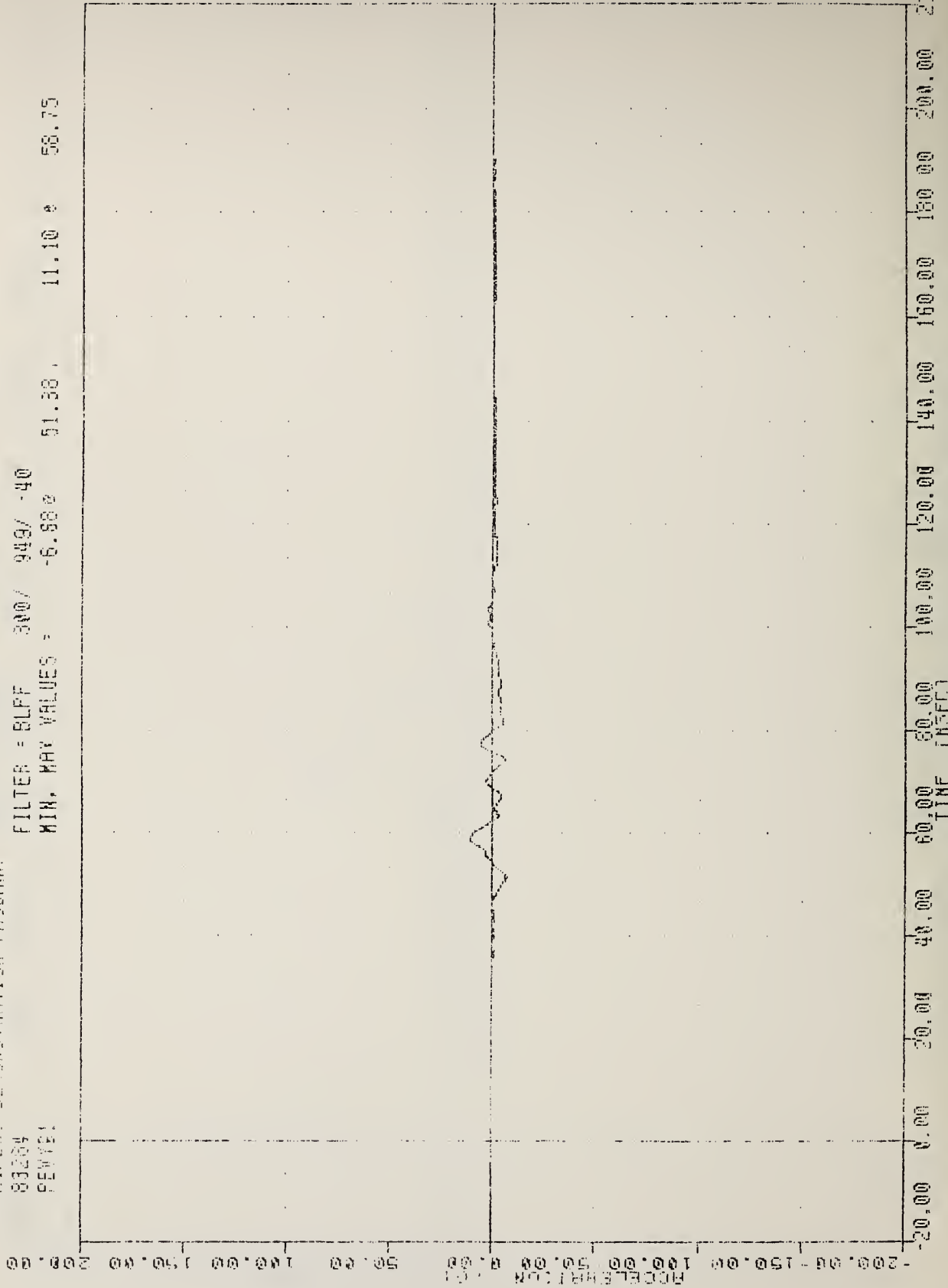
AIRBAG DEMONSTRATION PROGRAM

83204

PEV7E1

FILTER = BLFF 300/ 999/ -40

MIN. MAX VALUES = -6.800 51.30 11.10 58.75



AIRBAG DEMONSTRATION PROGRAM

PEV7E1 ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

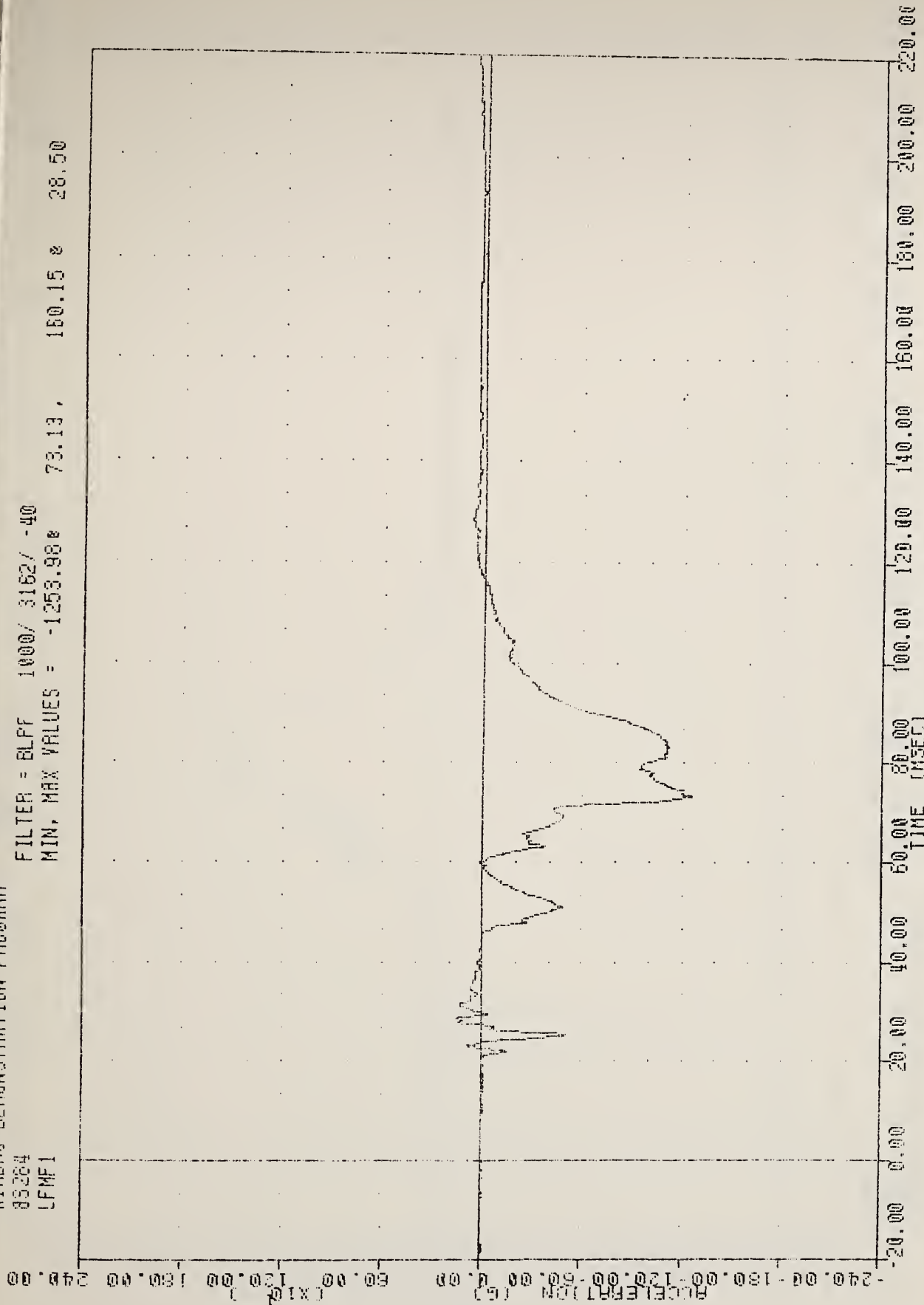
83264

LFMF1

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -1253.98g

73.13, 150.15 g 28.50

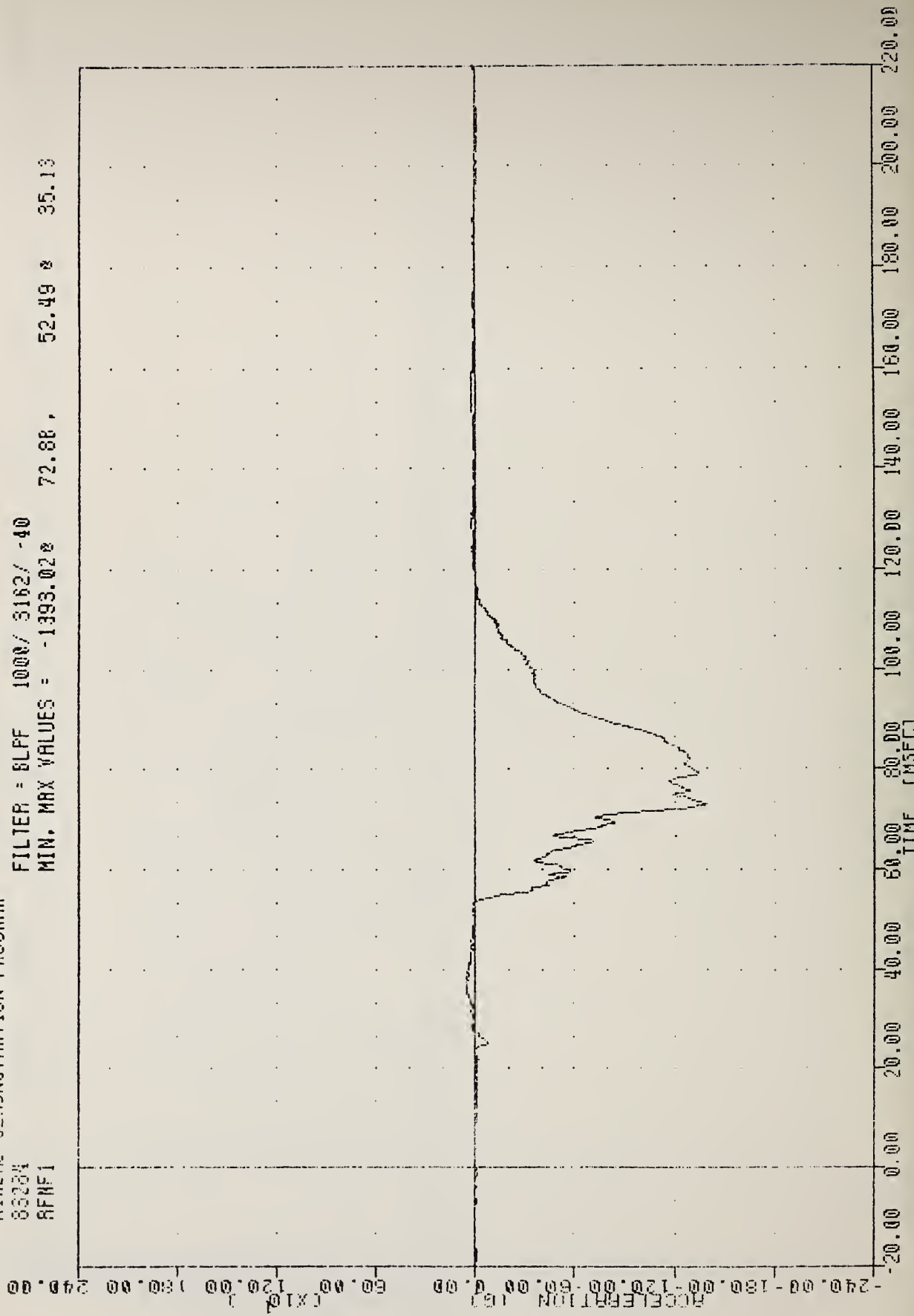


AIRBAG DEMONSTRATION PROGRAM

LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
85254
AFNF1

FILTER = 8LPF 1000/ 3162/ -40
MIN. MAX VALUES = -1393.02 72.88, 52.49 35.13



AIRBAG DEMONSTRATION PROGRAM
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

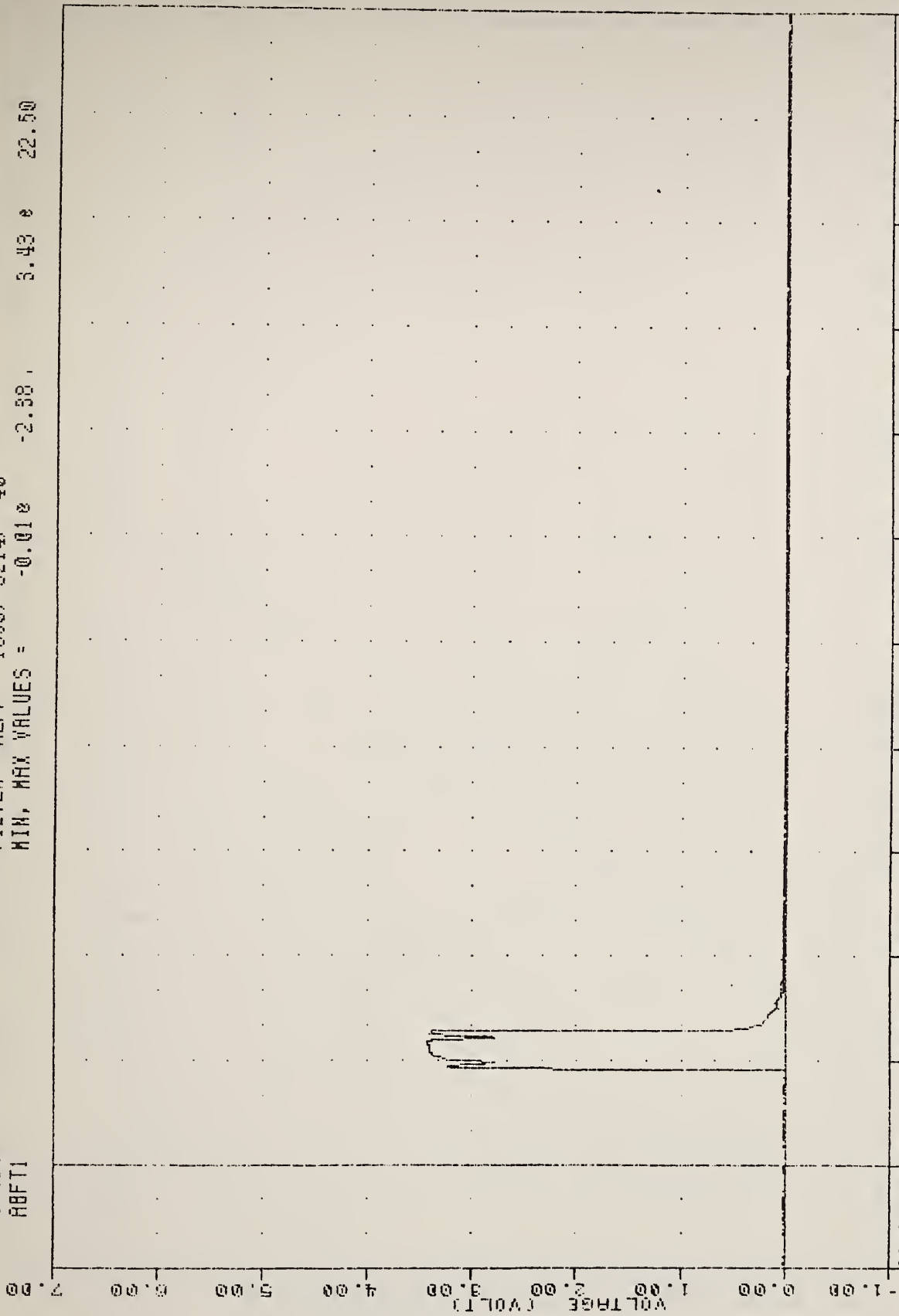
83224

ABFT1

FILTER = ALFF 1650 / 5214 / .40

MIN, MAX VALUES = -0.01e

-2.58 , 5.43 e 22.50



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

AIRBAG DEMONSTRATION PROGRAM

AIR BAG FIRING EVENT 50TH PERCENTILE

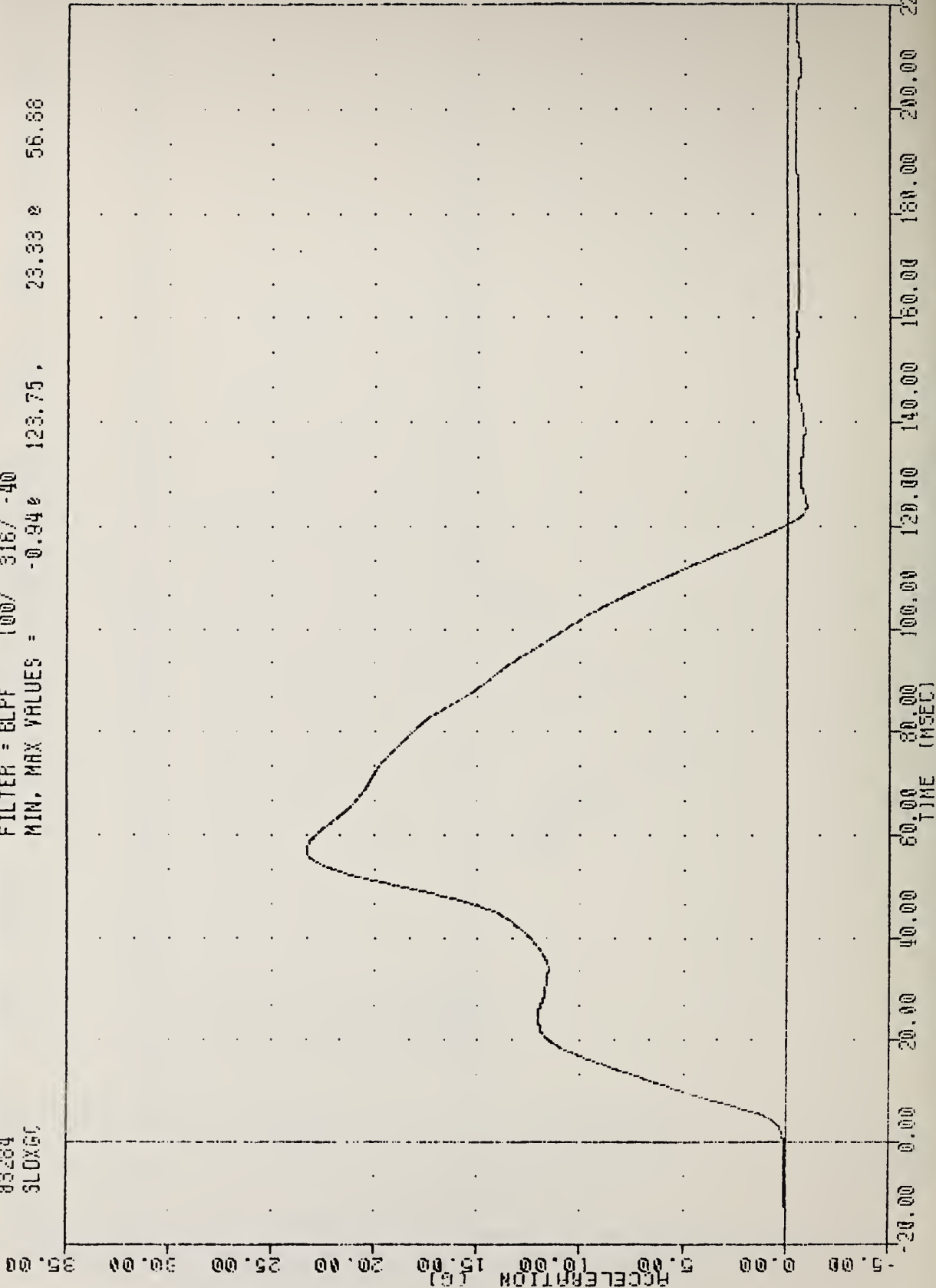
AIRBAG DEMONSTRATION PROGRAM

83284

SLOXGC

FILTER = 6LFF 100/ 316/ -40

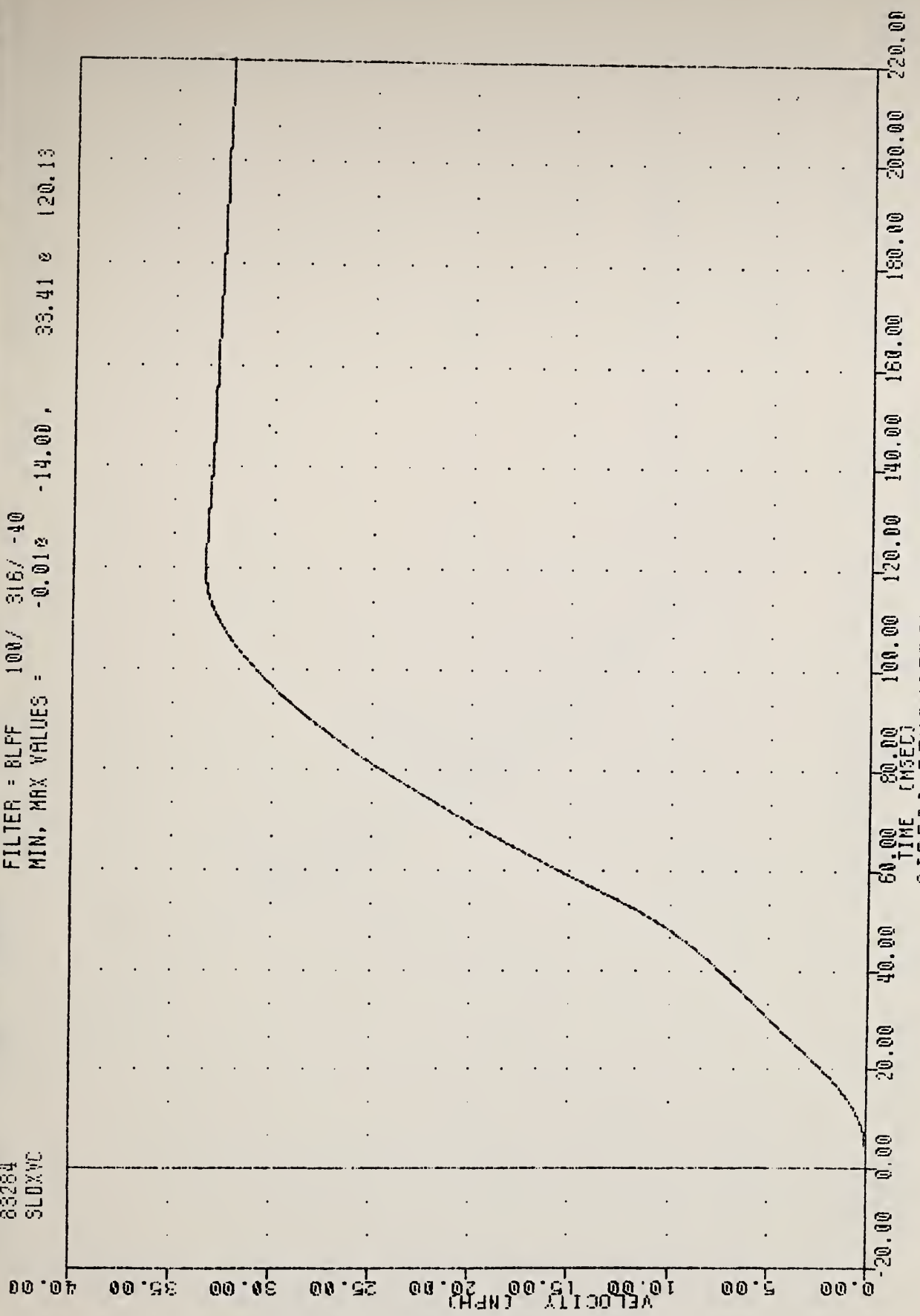
MIN, MAX VALUES = -0.940 123.75, 23.33 0 56.80



AIRBAG DEMONSTRATION PROGRAM
SLED ACCELERATION

AIRBAG DEMONSTRATION PROGRAM
83284
SLOXVC

FILTER = BLFF 100/ 316/ -40
MIN, MAX VALUES = -0.012 -14.00, 33.41 e 120.13



AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM

83284

SLOXY

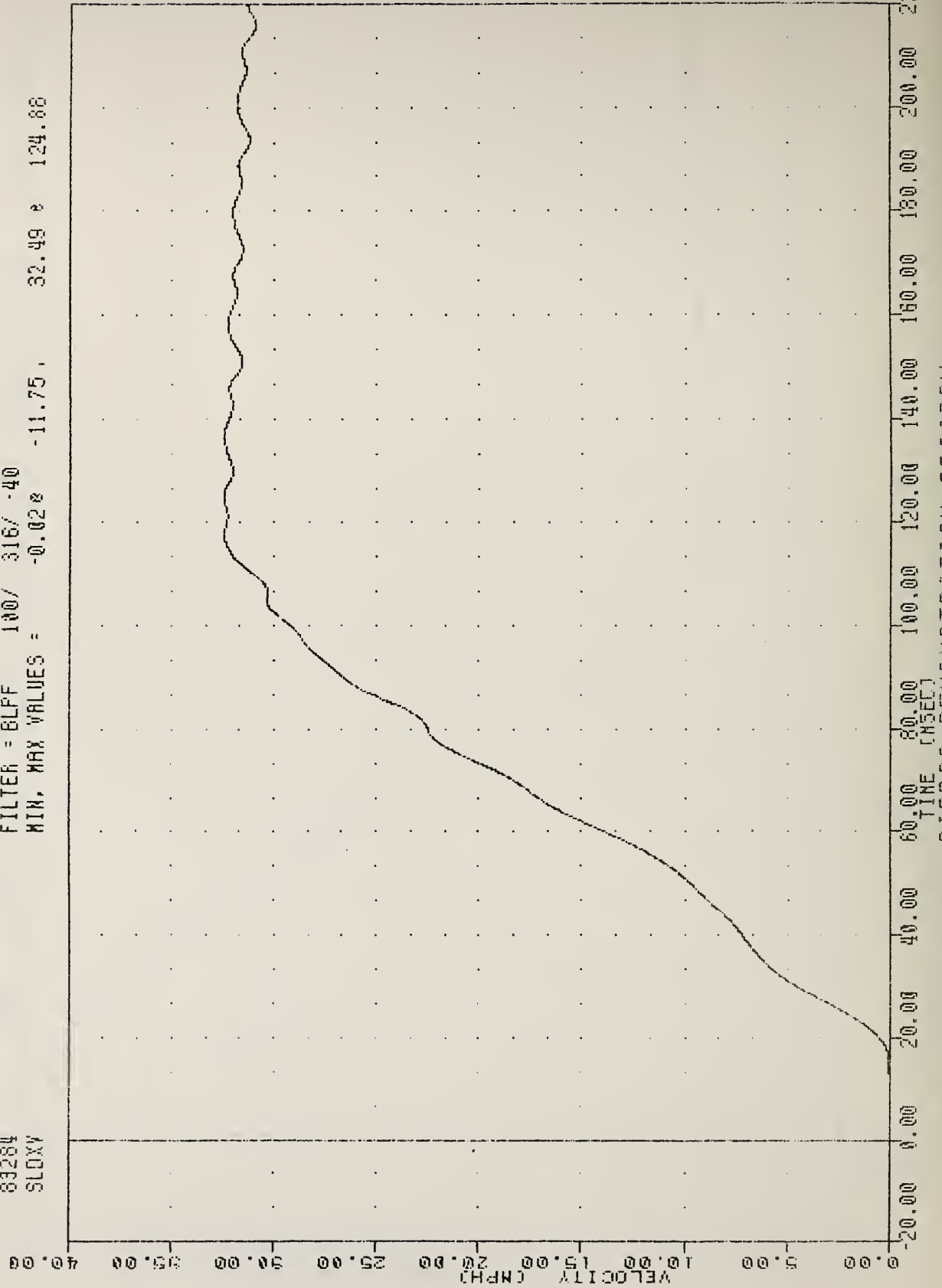
FILTER = BLFF 100/ 316/ -40

MIN. MAX VALUES = -0.02 e

-11.75 ,

32.49 e

124.88



AIRBAG DEMONSTRATION PROGRAM

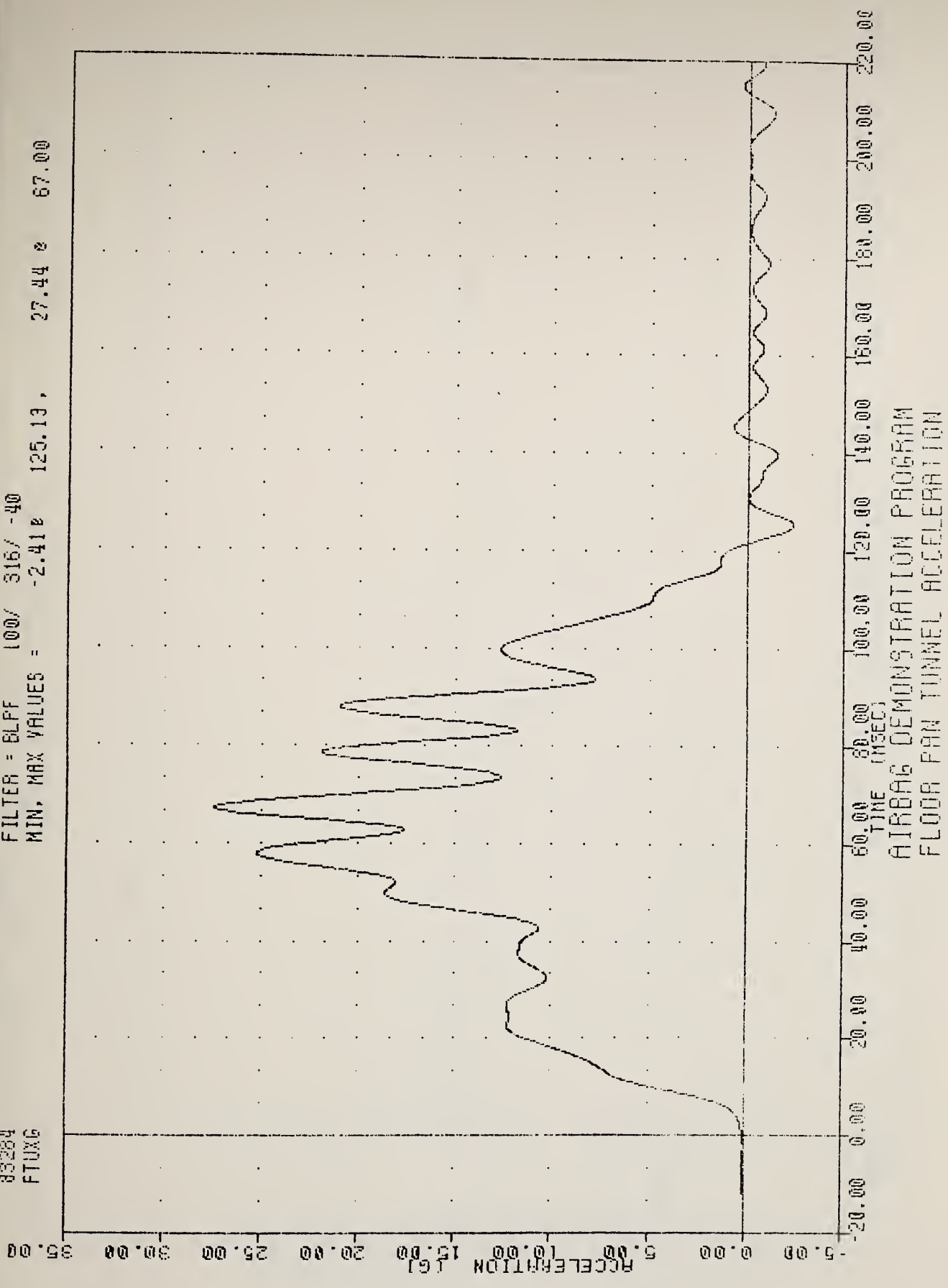
SLEP VELOCITY

AIRBAG DEMONSTRATION PROGRAM

83284
FTUXG

FILTER = BLFF 100/ 316/ -40

MIN. MAX VALUES = -2.41e 125.13, 27.44 e 67.00



AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

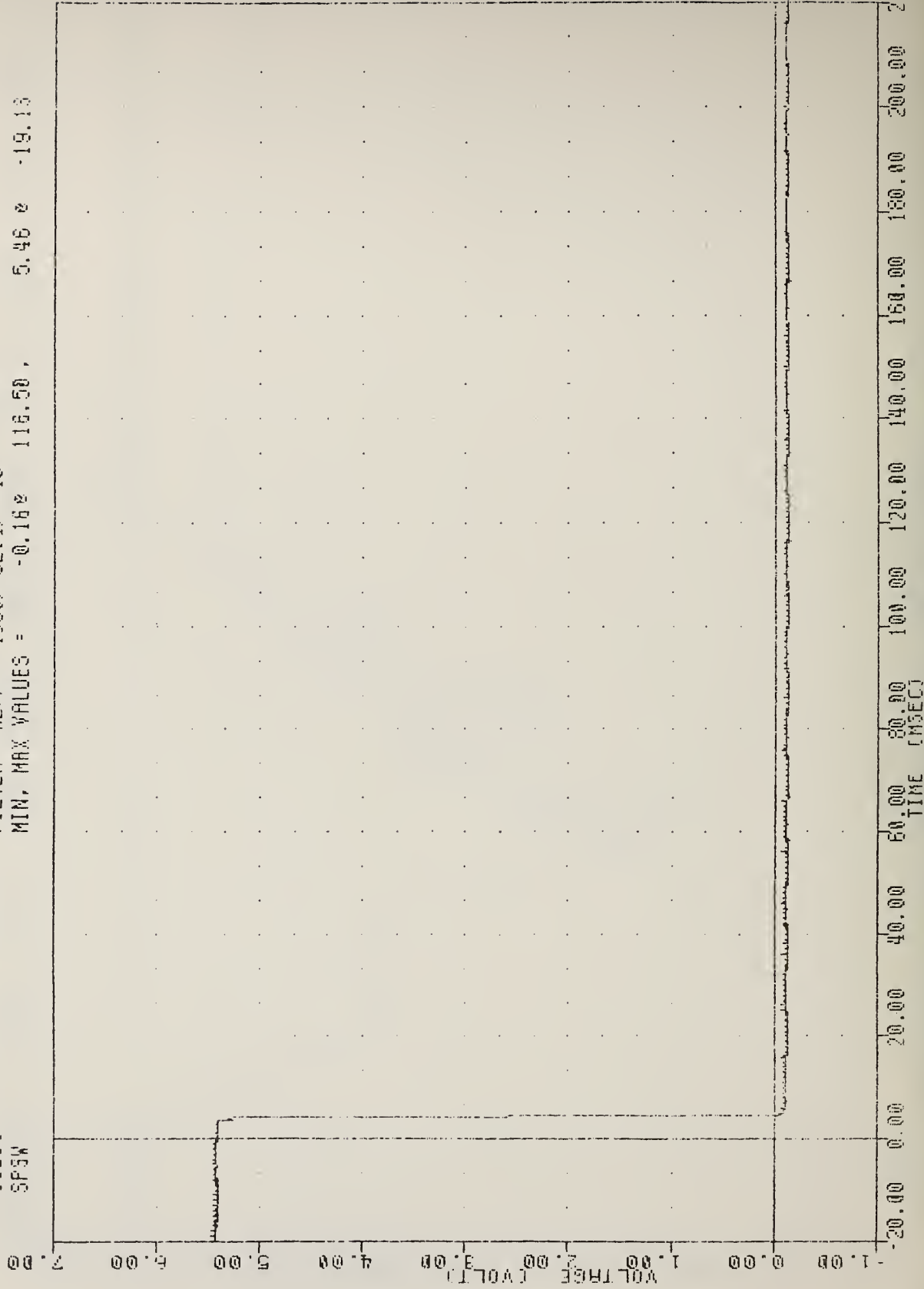
AIRBAG DEMONSTRATION PROGRAM

83284

SP5W

FILTER = ALPF 165N/ 5214/ -10

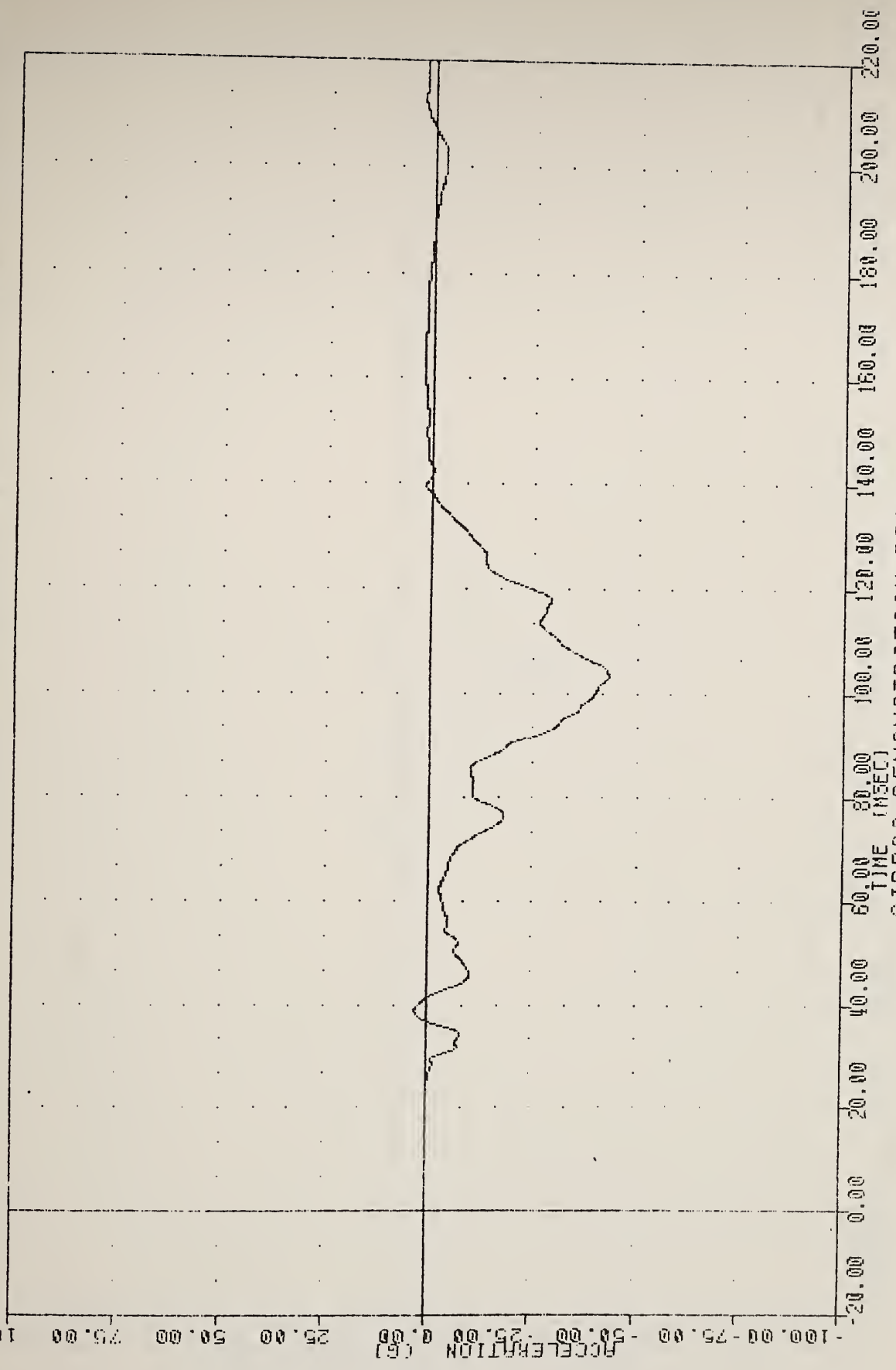
MIN. MAX VALUES = -0.16% 116.50 , 5.46 % -19.13



AIRBAG DEMONSTRATION PROGRAM
SLED POSITION SWITCH

AIRBAG DEMONSTRATION PROGRAM
83284
CSTX61

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -43.26e 103.13, 3.08 e 38.75

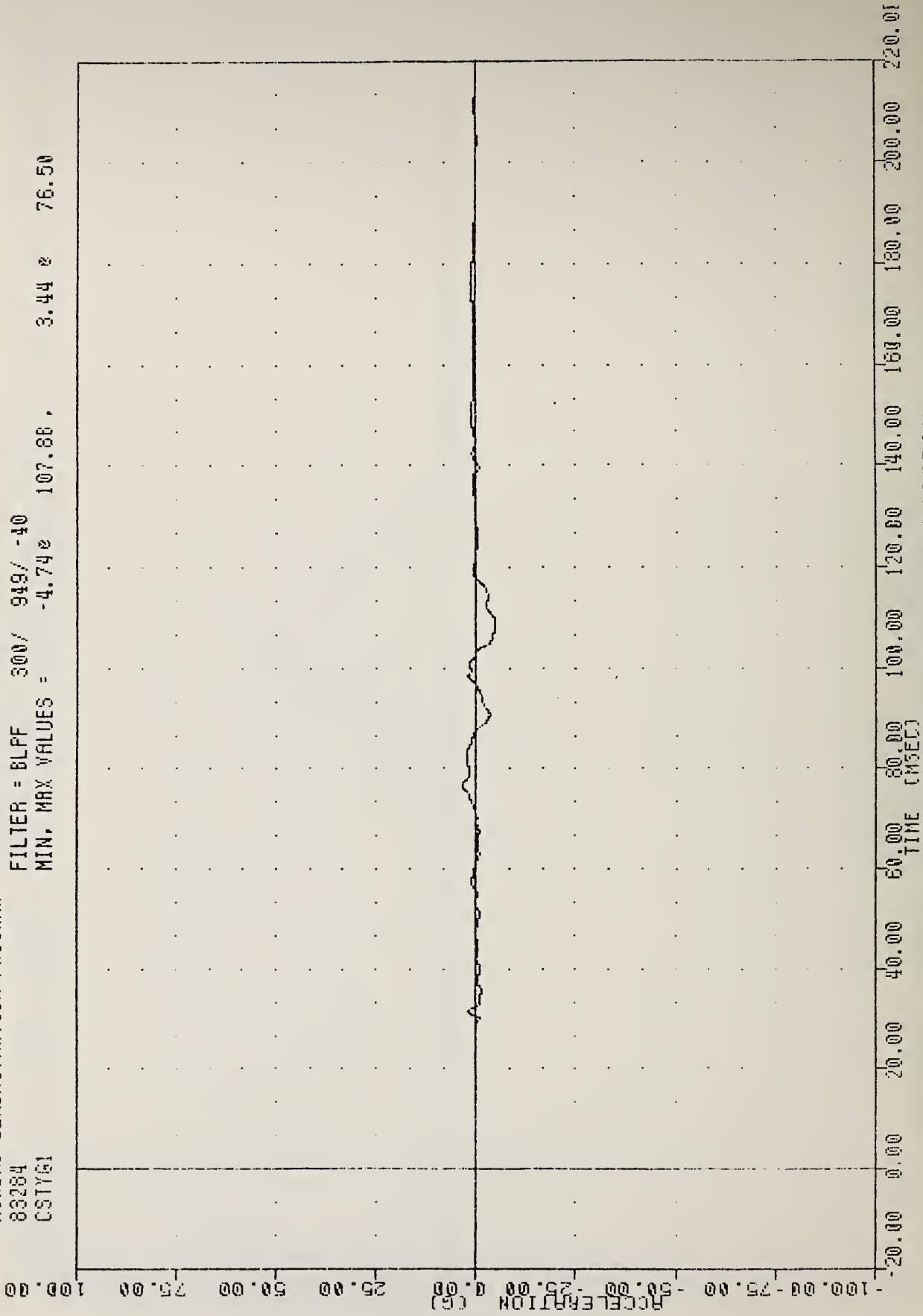


AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83284
CSTY61

FILTER = BLFF 300/ 949/ -40
MIN, MAX VALUES = -4.74e 107.88, 3.44 e 76.50



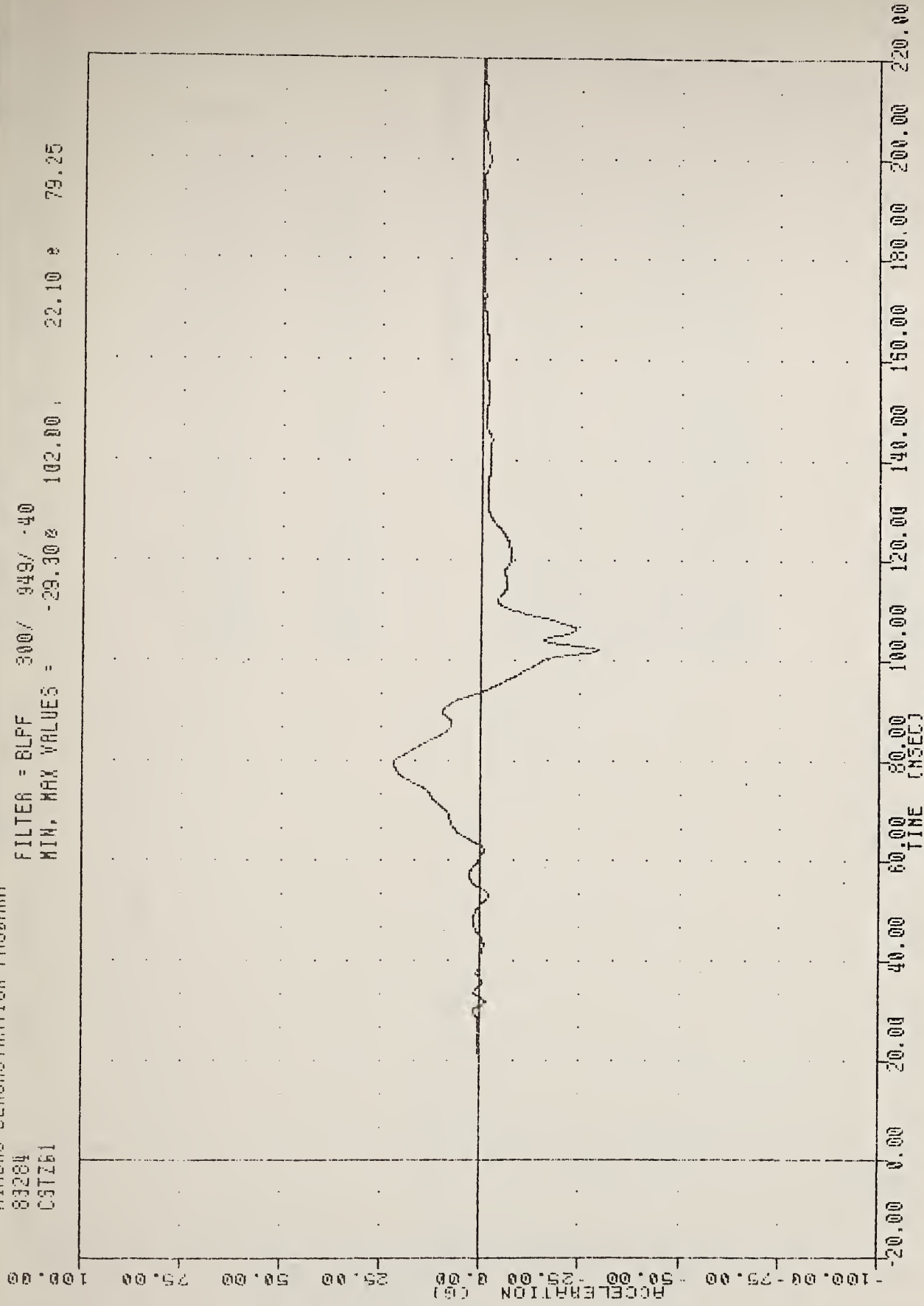
AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83284
CSTZ61

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -29.30 102.00 22.10 e 79.25



AIRBAG DEMONSTRATION PROGRAM

CHEST ACCELERATION Z AXIS 50TH PERCENTILE

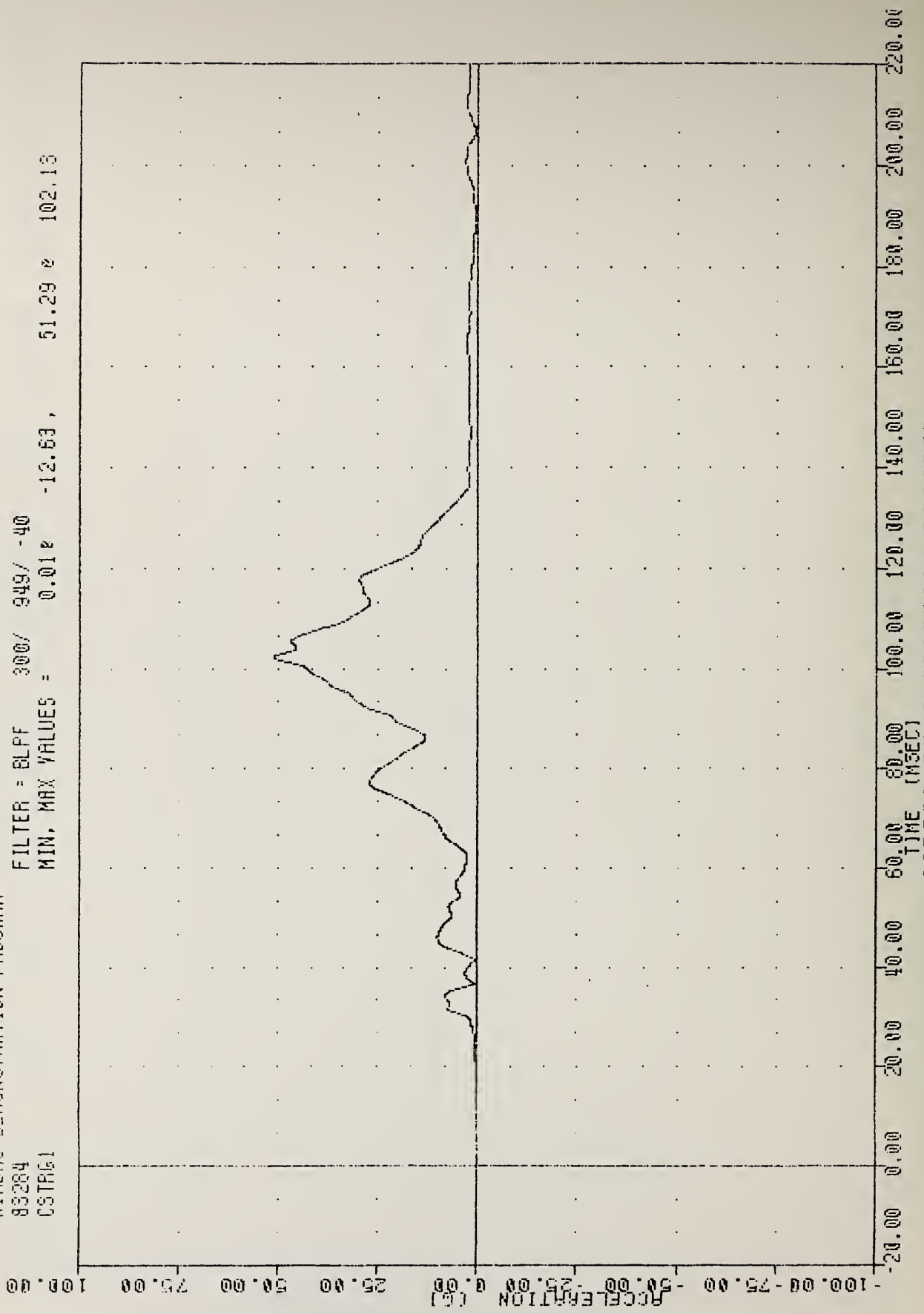
AIRBAG DEMONSTRATION PROGRAM

83284

CSTR61

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.01E -12.63, 51.29 E 102.13



DEMONSTRATION PROGRAM

0.0 mph

83285

VRTC

RD583-2-03

12-OCT-83 16:48:22

	Min value		Max value		Unit
SPSW	-0.186 @	17.625	5.631 @	-18.250 msec	volt
SLDXGC	-0.873 @	123.375	23.257 @	56.750 msec	g
SLDXVC	-0.014 @	-13.125	33.502 @	120.000 msec	mph
SLDXV	-0.204 @	352.250	32.500 @	136.000 msec	mph
FTUXG	-2.858 @	139.875	27.019 @	63.375 msec	g
ABFT1	-0.081 @	156.000	3.492 @	21.250 msec	volt
HEDXG1	-45.388 @	91.500	6.284 @	339.250 msec	g
HEDXV1	-38.260 @	190.750	0.106 @	30.625 msec	mph
HEDYG1	-5.259 @	98.125	4.357 @	106.625 msec	g
HEDZG1	-29.293 @	96.500	8.789 @	82.625 msec	g
CSTXG1	-39.140 @	97.125	4.694 @	338.500 msec	g
CSTXV1	-36.330 @	137.000	0.005 @	25.250 msec	mph
CSTYG1	-2.204 @	32.000	3.815 @	112.500 msec	g
CSTZG1	-7.927 @	104.250	20.673 @	83.375 msec	g
PEVXG1	-89.022 @	75.125	2.057 @	345.625 msec	g
PEVYG1	-5.771 @	76.125	6.092 @	56.500 msec	g
PEVZG1	-5.051 @	111.125	27.837 @	75.250 msec	g
CSTXD	-0.004 @	23.250	0.607 @	76.750 msec	g
LFMF1	-1689.739 @	74.250	78.306 @	30.000 msec	g
RFMF1	-1574.250 @	78.625	61.297 @	35.125 msec	g
HEDRG1	0.023 @	-27.250	48.671 @	93.000 msec	g
CSTRG1	0.005 @	-19.875	39.257 @	97.000 msec	g
PEVRG1	0.003 @	-14.625	93.342 @	75.125 msec	g

* * * HIC computation for TRC211I 12-OCT-83 16:51:56

HEDRG1 VRTC RD583-2-03 83285 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 48.67 @ 93.000

HIC = 209.26 Interval from 79.625 [878] to 102.625 [1062]

HIC = 186.69 Interval from 84.625 [918] to 99.625 [1038]

Elapsed time = 14.60 sec

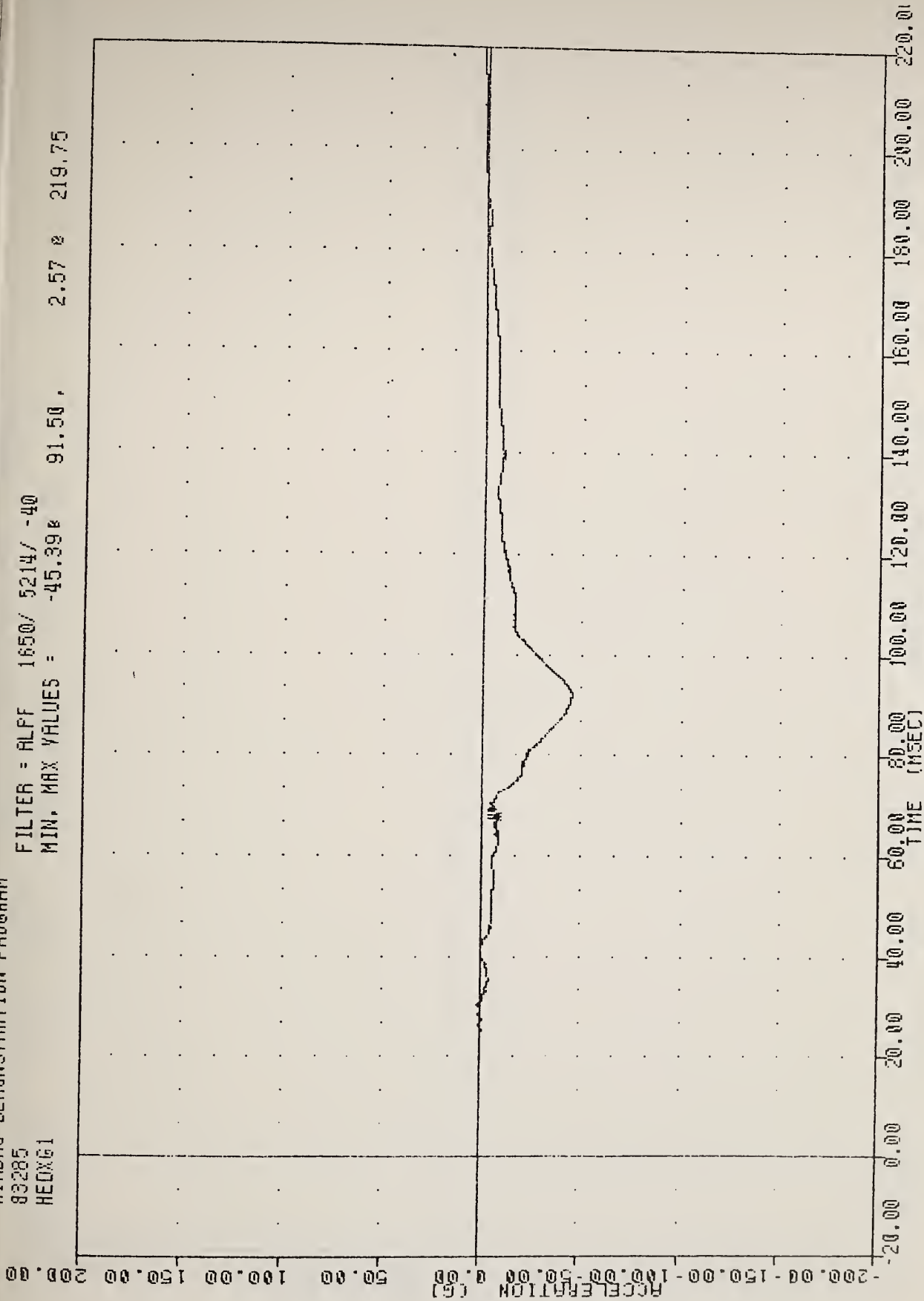
Enter channel [,stop time] -->

AIRBAG DEMONSTRATION PROGRAM

83285
HEADXG1

FILTER = ALFF 1650/ 5214/ -40

MIN. MAX VALUES = -45.39e 91.50 , 2.57 e 219.75



AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83285

HEDY61

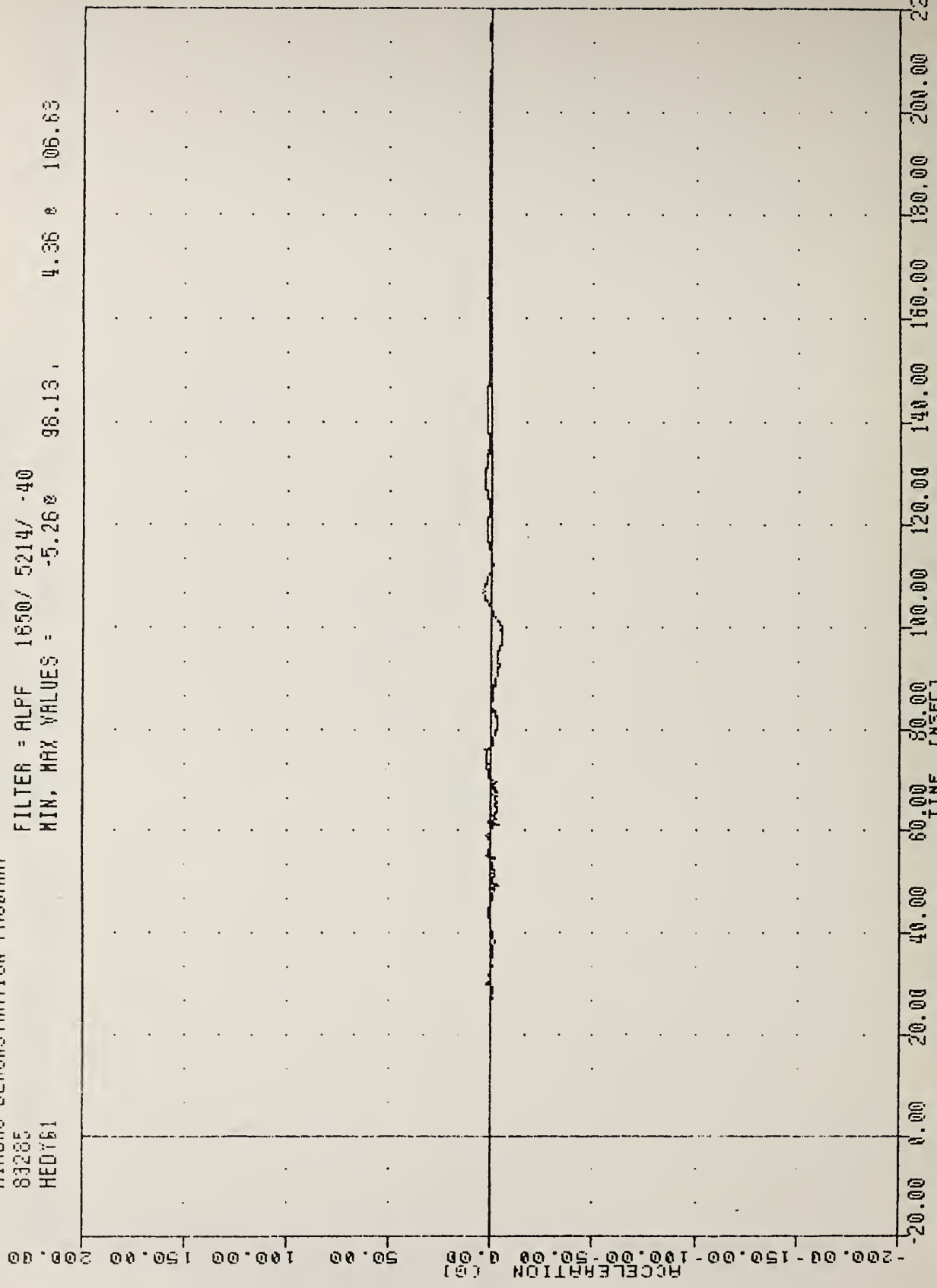
FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -5.26e

98.13,

4.36 e

106.63



AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83285

HEADZG1

FILTER = ALPF 1650/ 5214/ -40

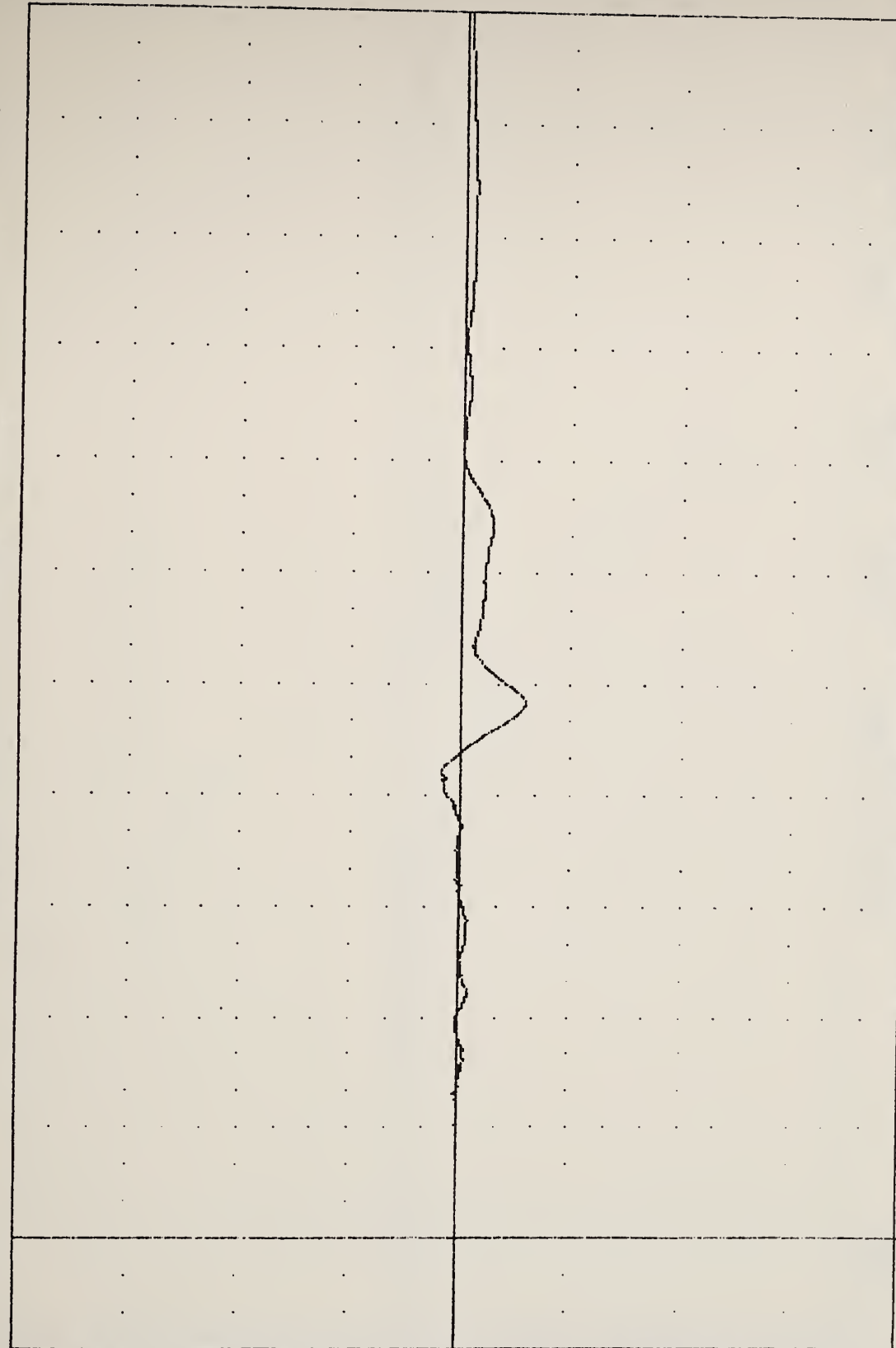
MIN. MAX VALUES = -29.29e

96.50 ,

8.79 e

82.63

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)

AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION Z AXIS 50TH PERCENTILE

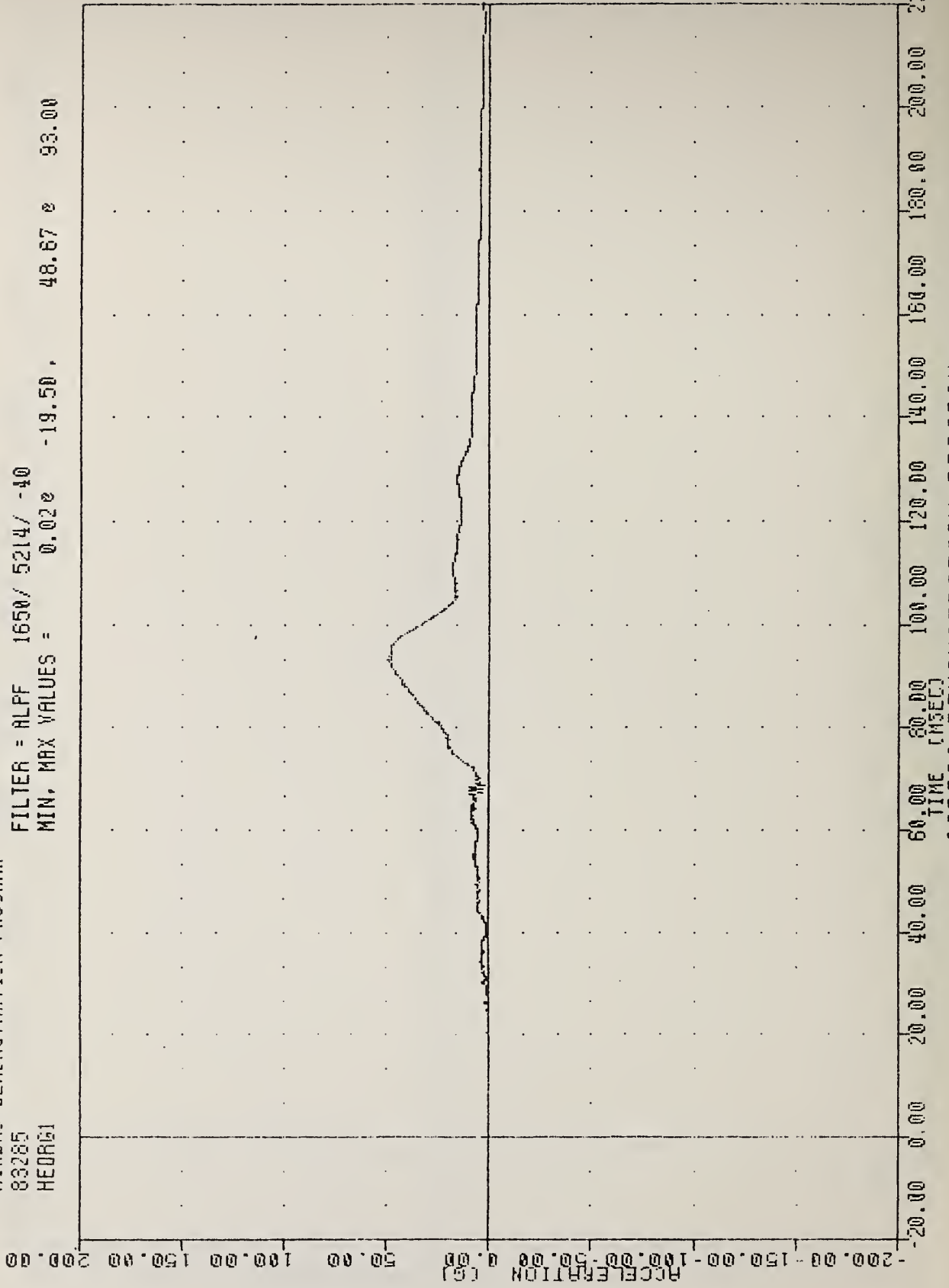
AIRBAG DEMONSTRATION PROGRAM

83285

HEOR61

FILTER = ALFF 1650/ 5214/ -40

MIN, MAX VALUES = 0.02e -19.50, 48.67 e 93.00



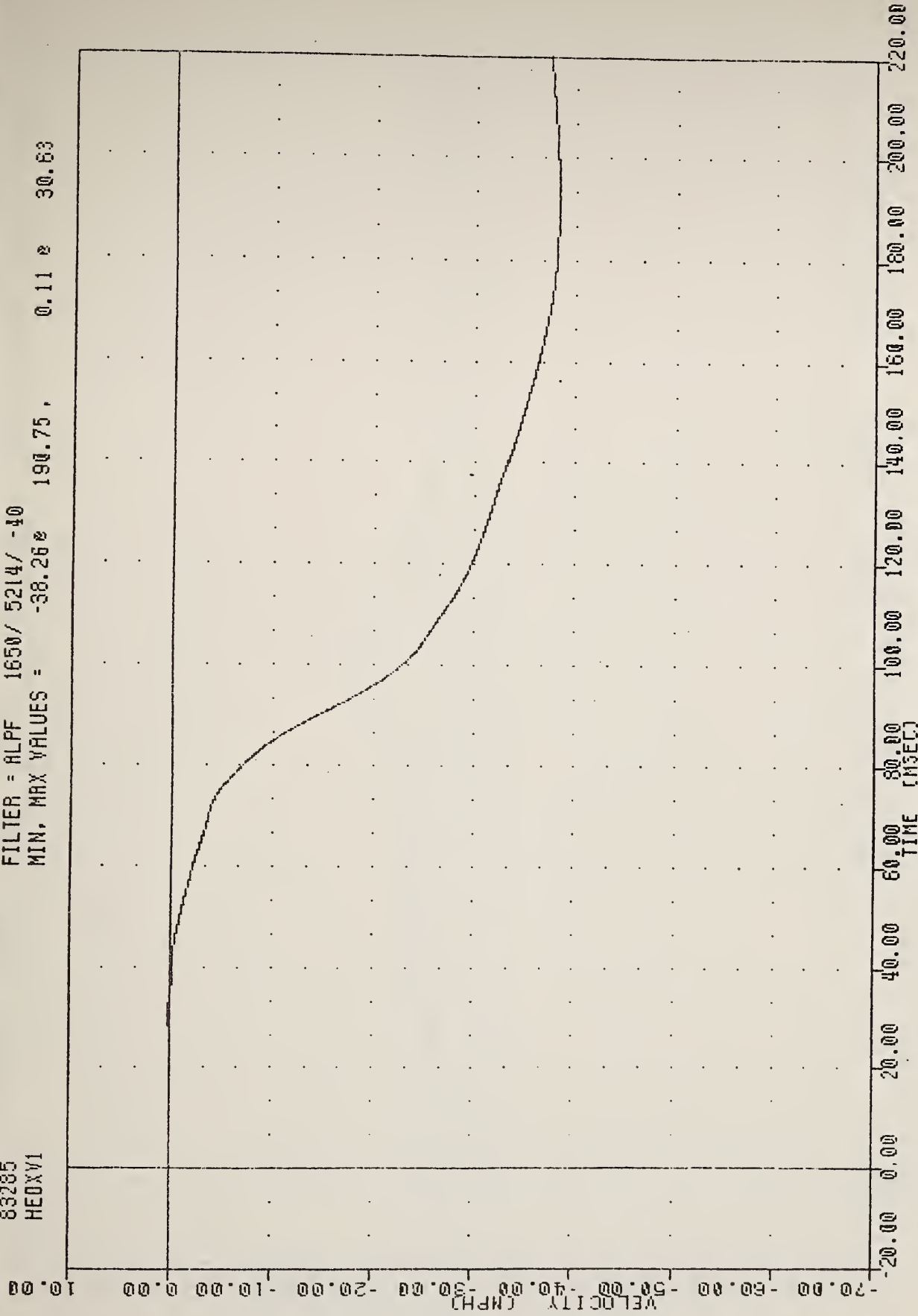
AIRBAG DEMONSTRATION PROGRAM

83285

HEADY1

FILTER = ALPF 1650/ 5214/ -10

MIN. MAX VALUES = -38.26 190.75 , 0.11 30.63

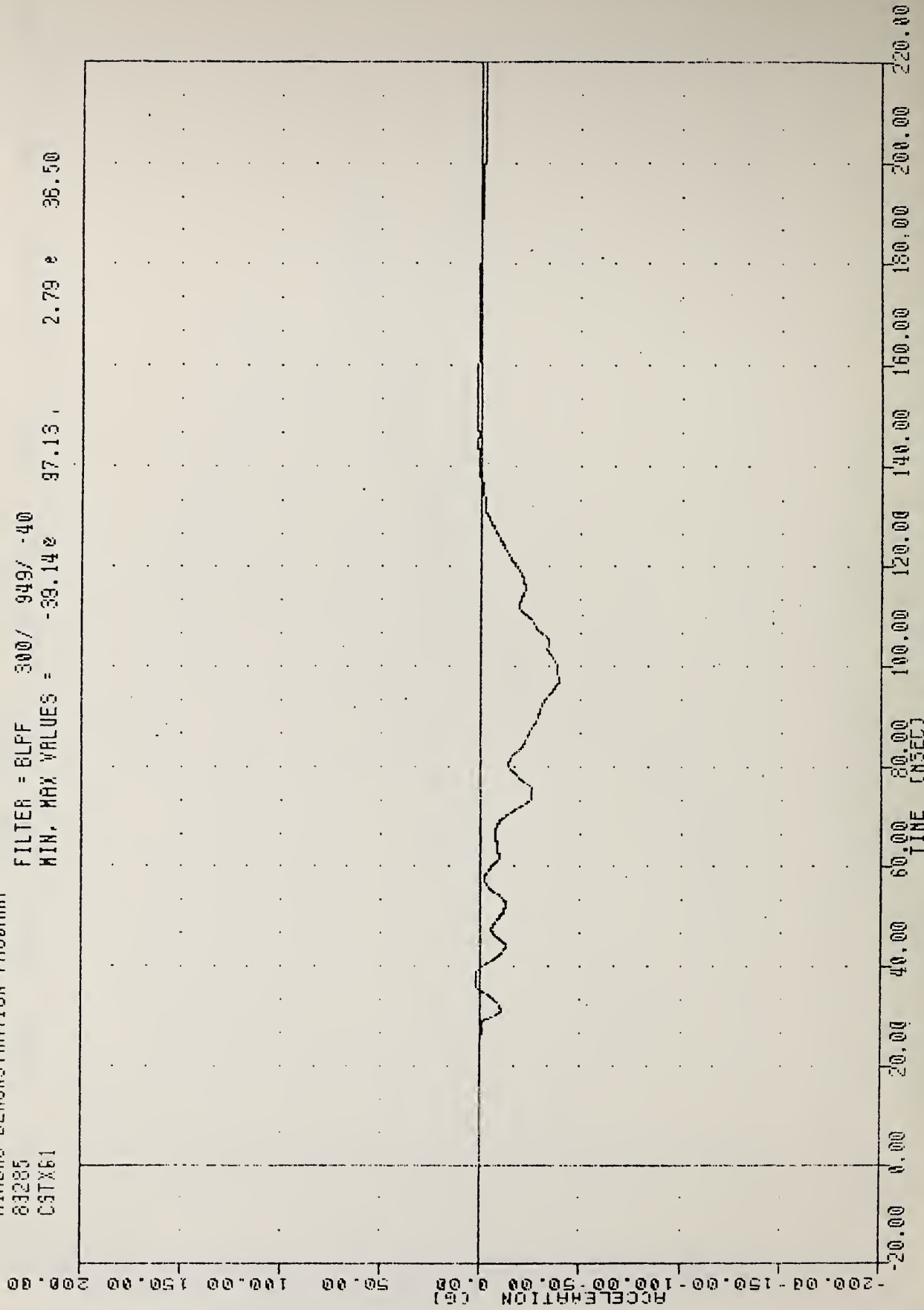


AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83285
CSTX61

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -39.14e 97.13 , 2.79 e 36.50



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 50TH PERCENTILE

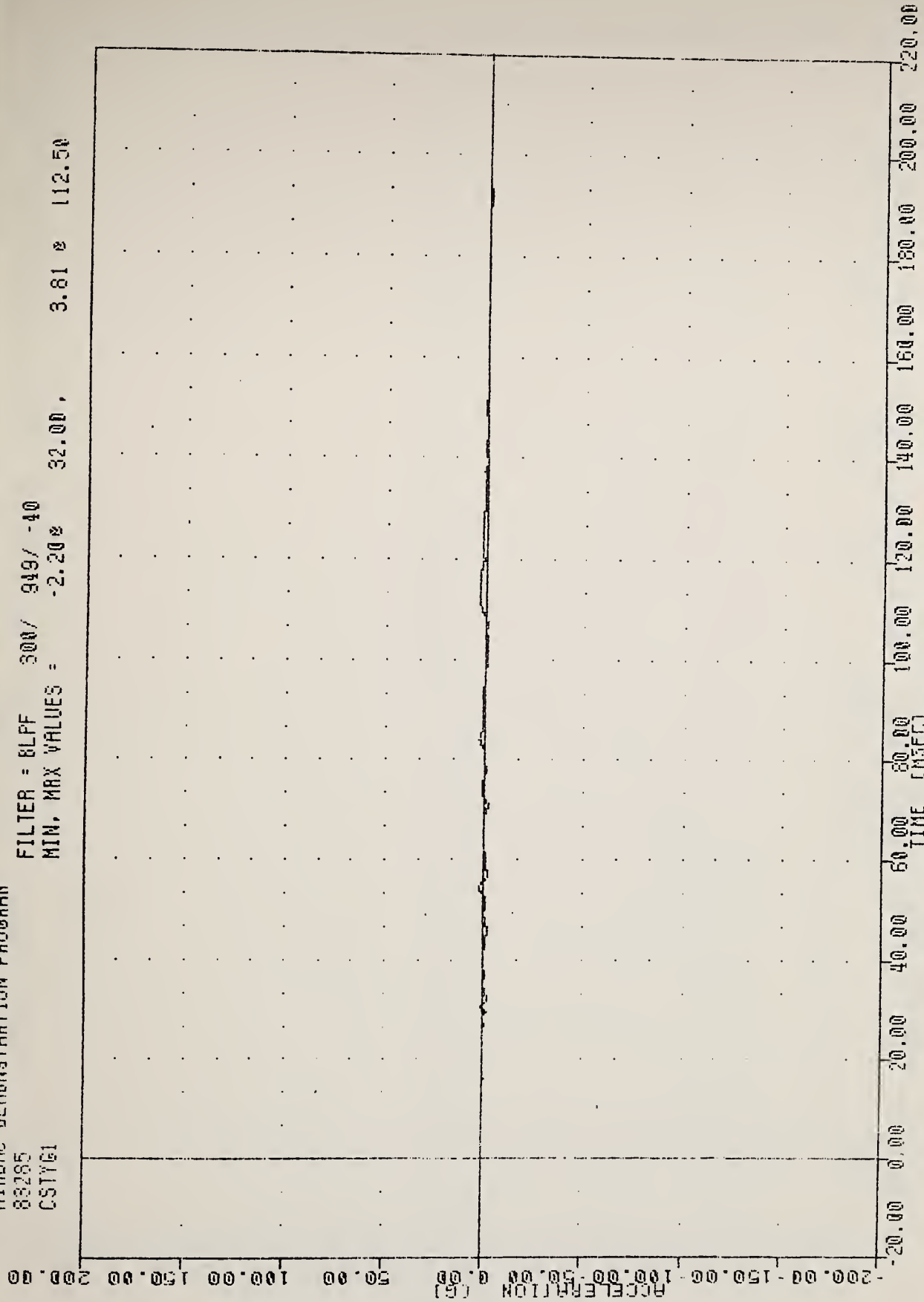
AIRBAG DEMONSTRATION PROGRAM

83285
CSTY61

FILTER = 8LFF 300/ 919/ -40

MIN. MAX VALUES = -2.20e

3.81 e 112.50



AIRBAG DEMONSTRATION PROGRAM

CHEST ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83285

CSTZ61

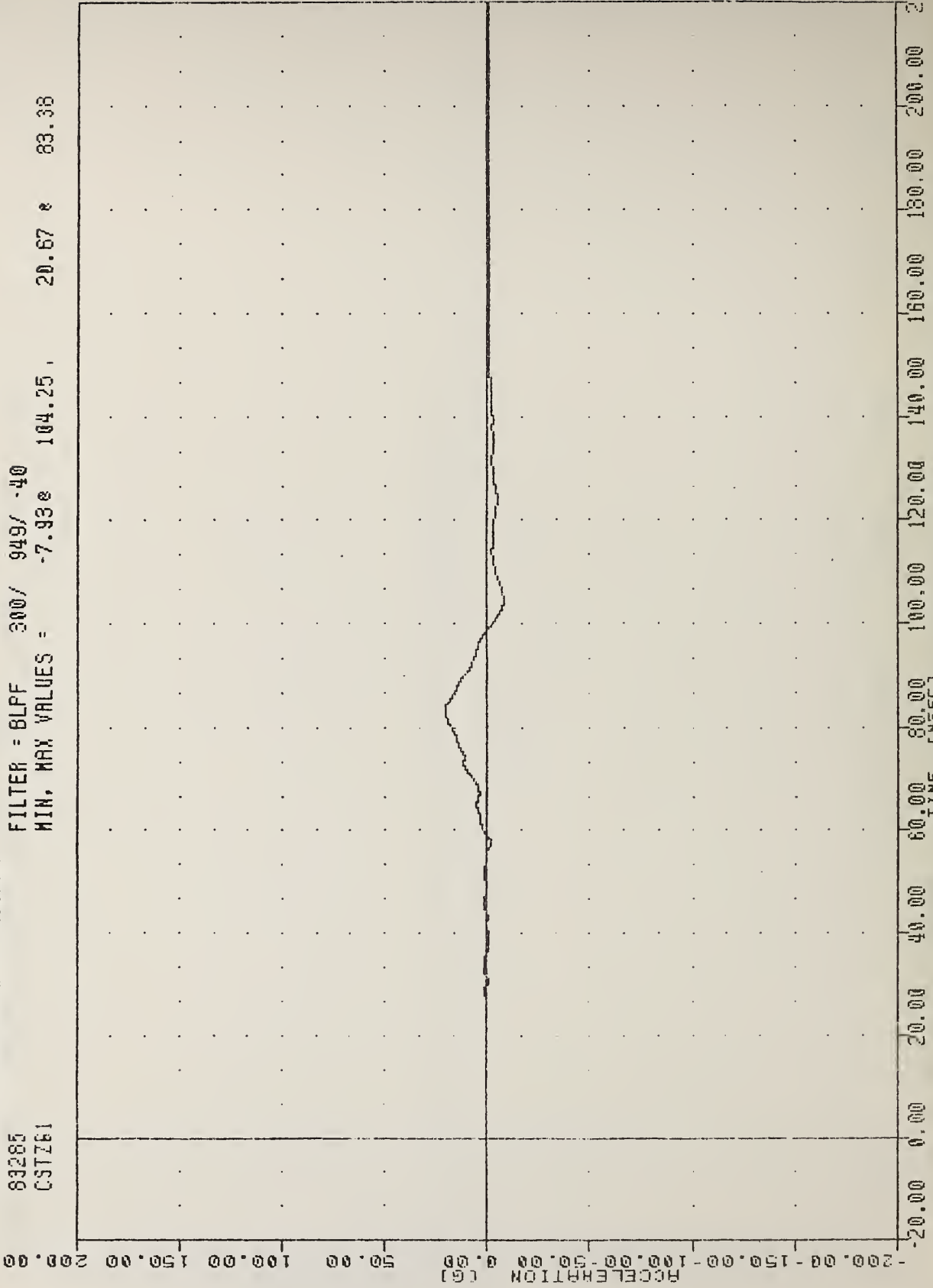
FILTER = 6LFF 300/ 949/ -40

MIN, MAX VALUES = -7.93e

104.25,

20.67 e

83.38



AIRBAG DEMONSTRATION PROGRAM

CHEST ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83265

CSTR61

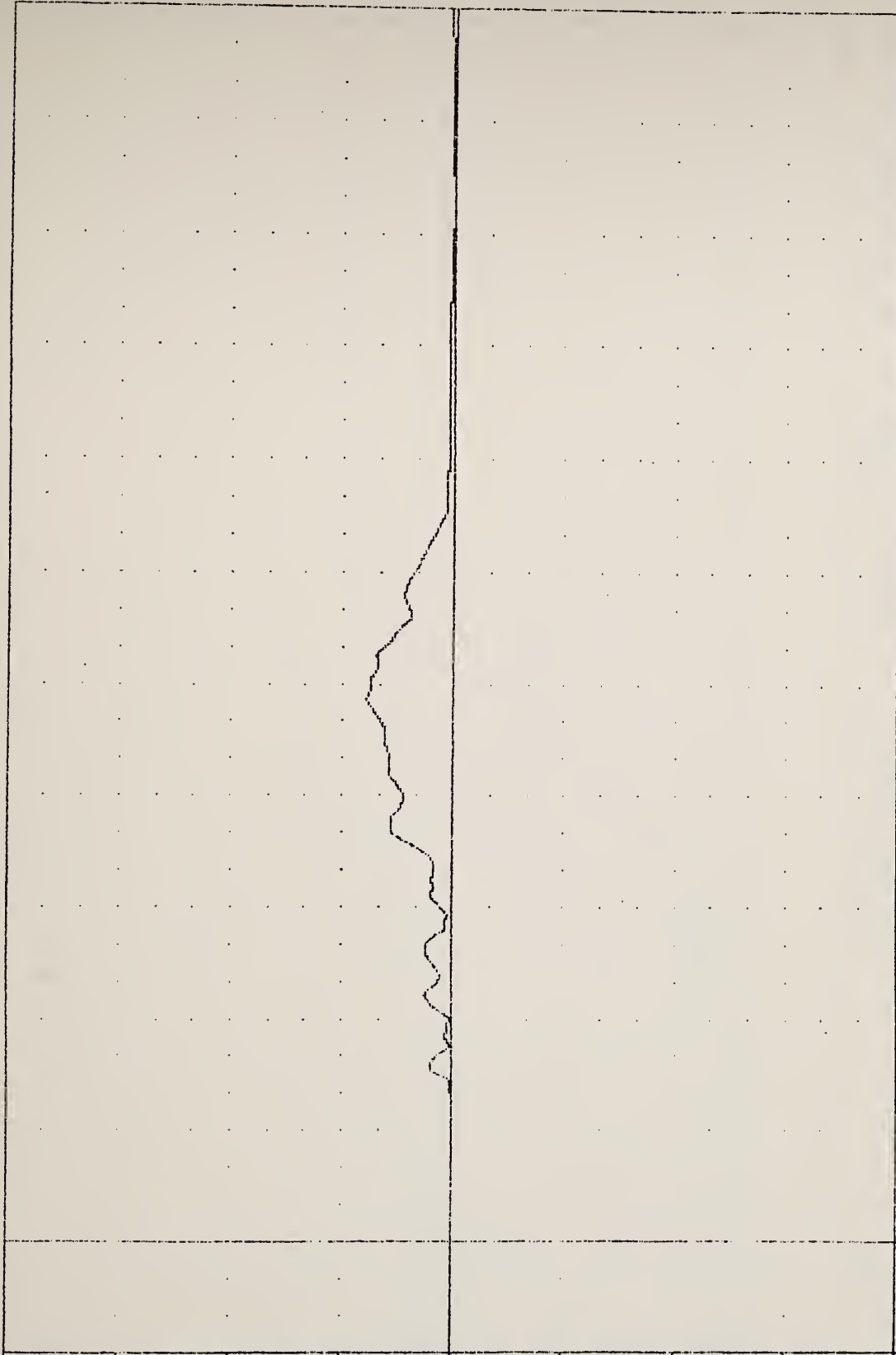
FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.01e

39.26 e 97.00

-19.88 ,

ACCELERATION (G)



TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM

CHEST RESULTANT ACCELERATION 50TH PERCENTILE

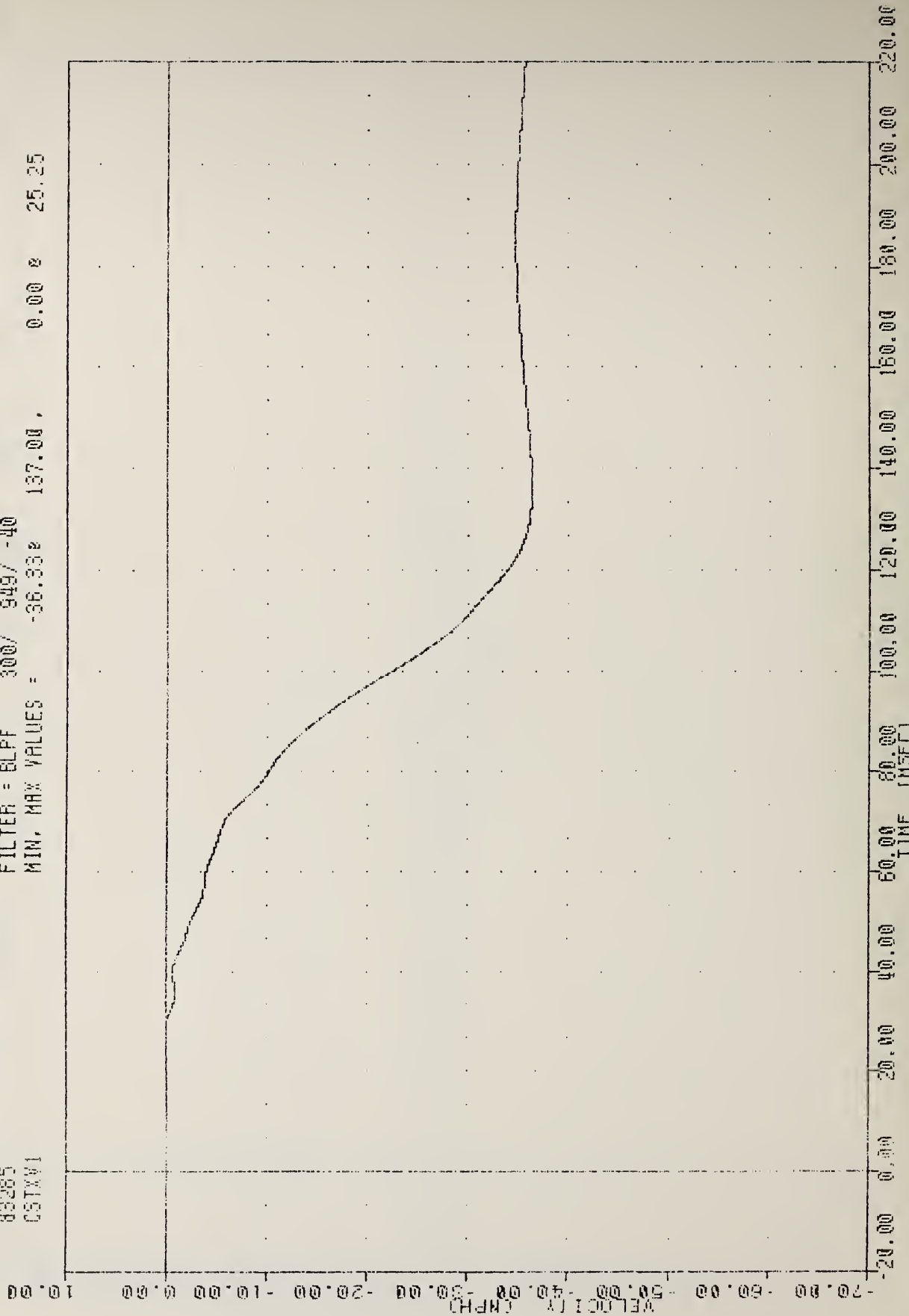
AIRBAG DEMONSTRATION PROGRAM

83285

CSTXV1

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -36.83e 137.00, 0.00 e 25.25

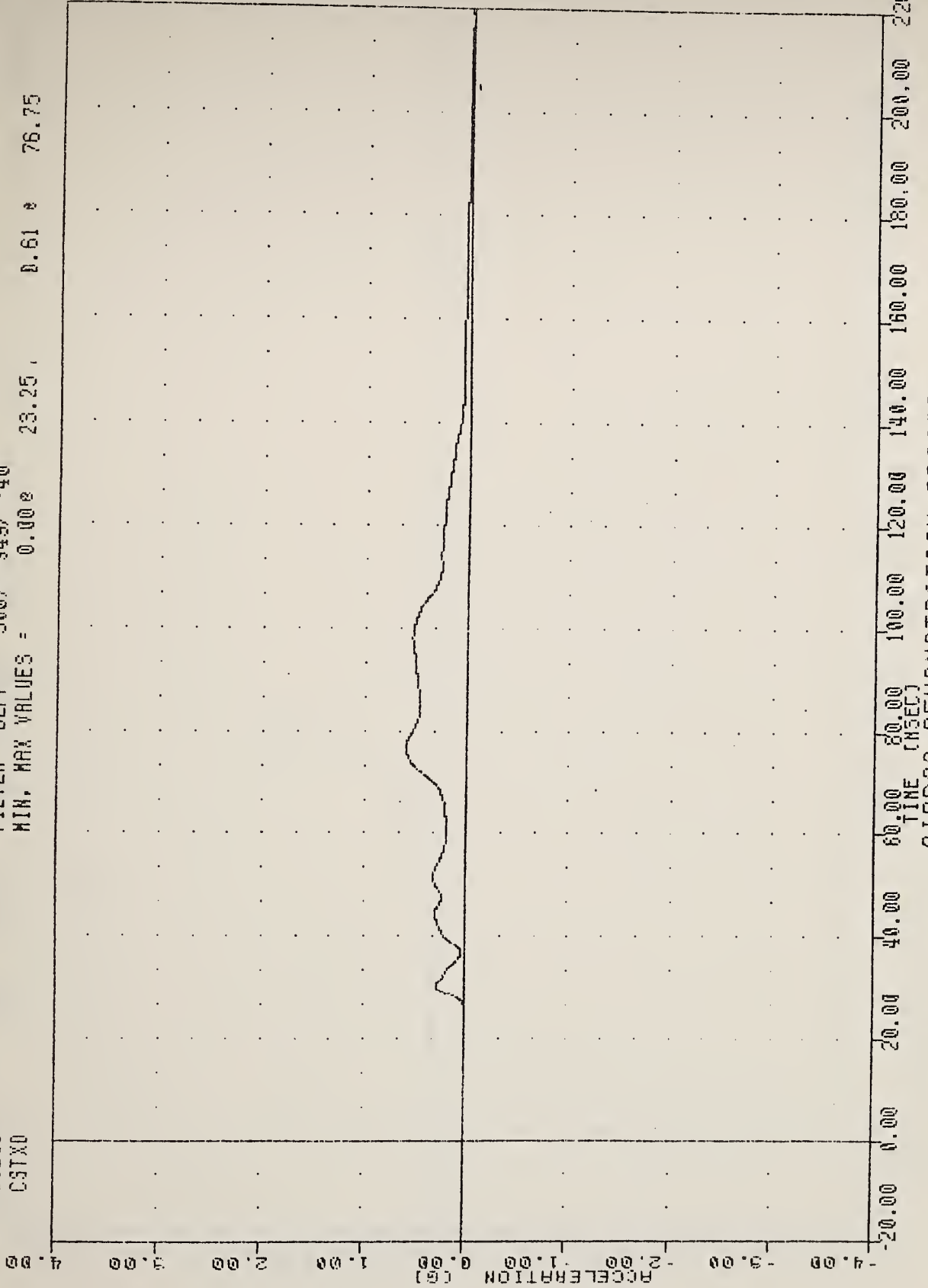


AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83285
CSTXD

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = 0.00e 23.25 , 0.61 e 76.75



AIRBAG DEMONSTRATION PROGRAM
CHEST DISPLACEMENT 50TH PERCENTILE

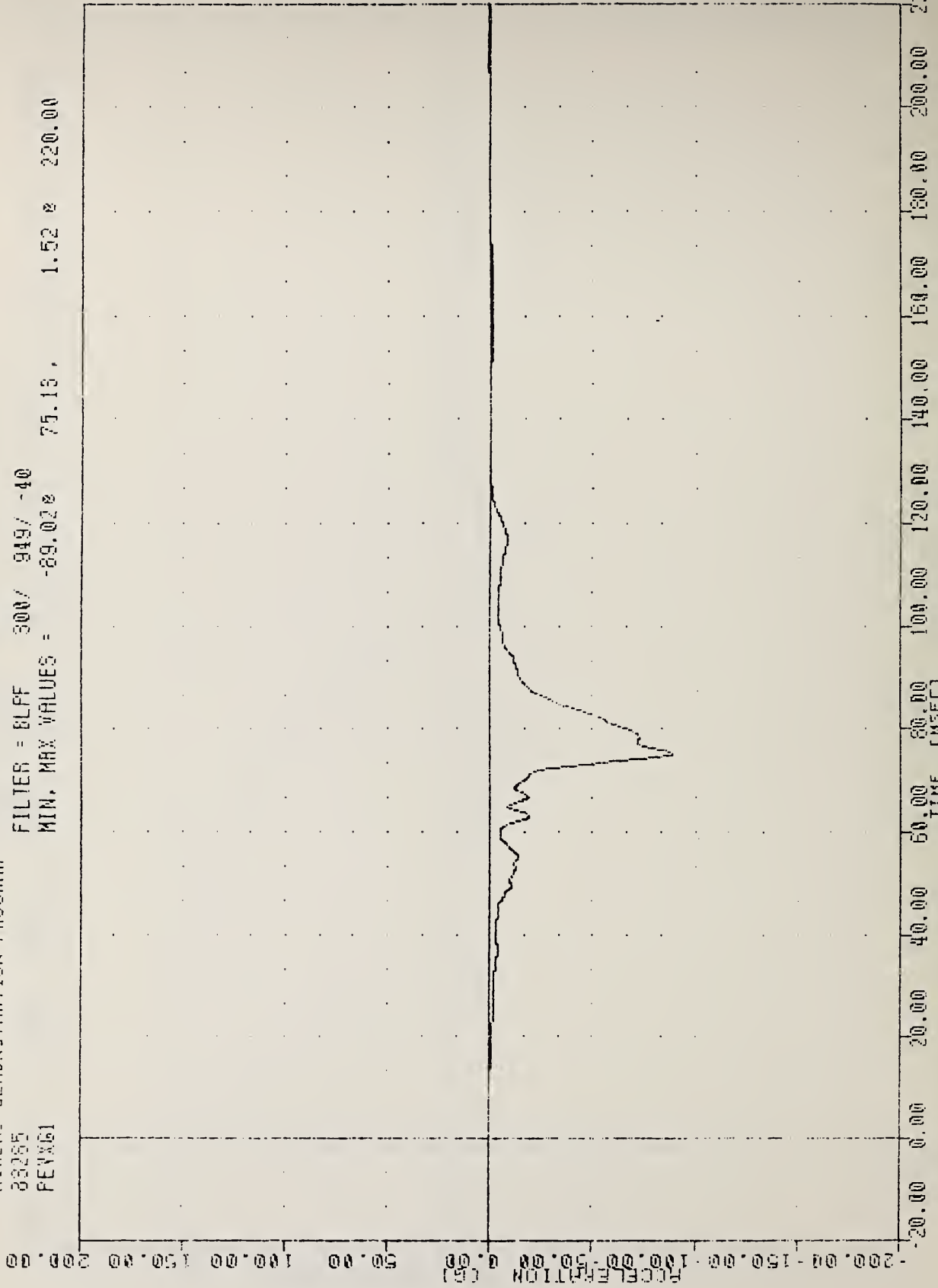
AIRBAG DEMONSTRATION PROGRAM

83255

PEX61

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -89.02% 75.13, 1.52% 220.00



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

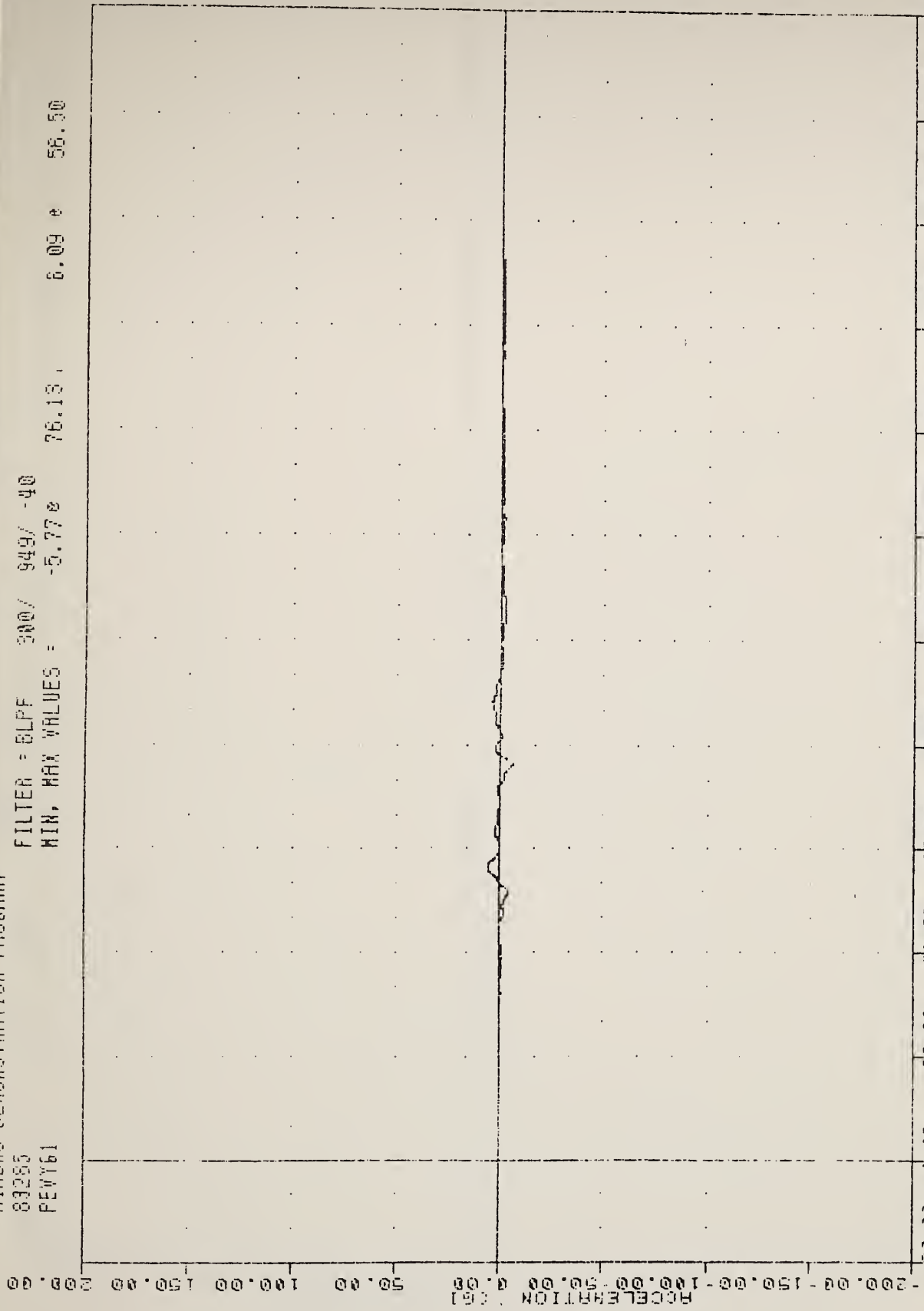
83253

PEV161

FILTER = 6LFF 300/ 949/ -40

MIN, MAX VALUES = -5.77e 6.09 e

76.13 , 56.50



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

AIRBAG DEMONSTRATION PROGRAM

PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83283
PEV7E1

FILTER = 8LFF 100V 949/ -40

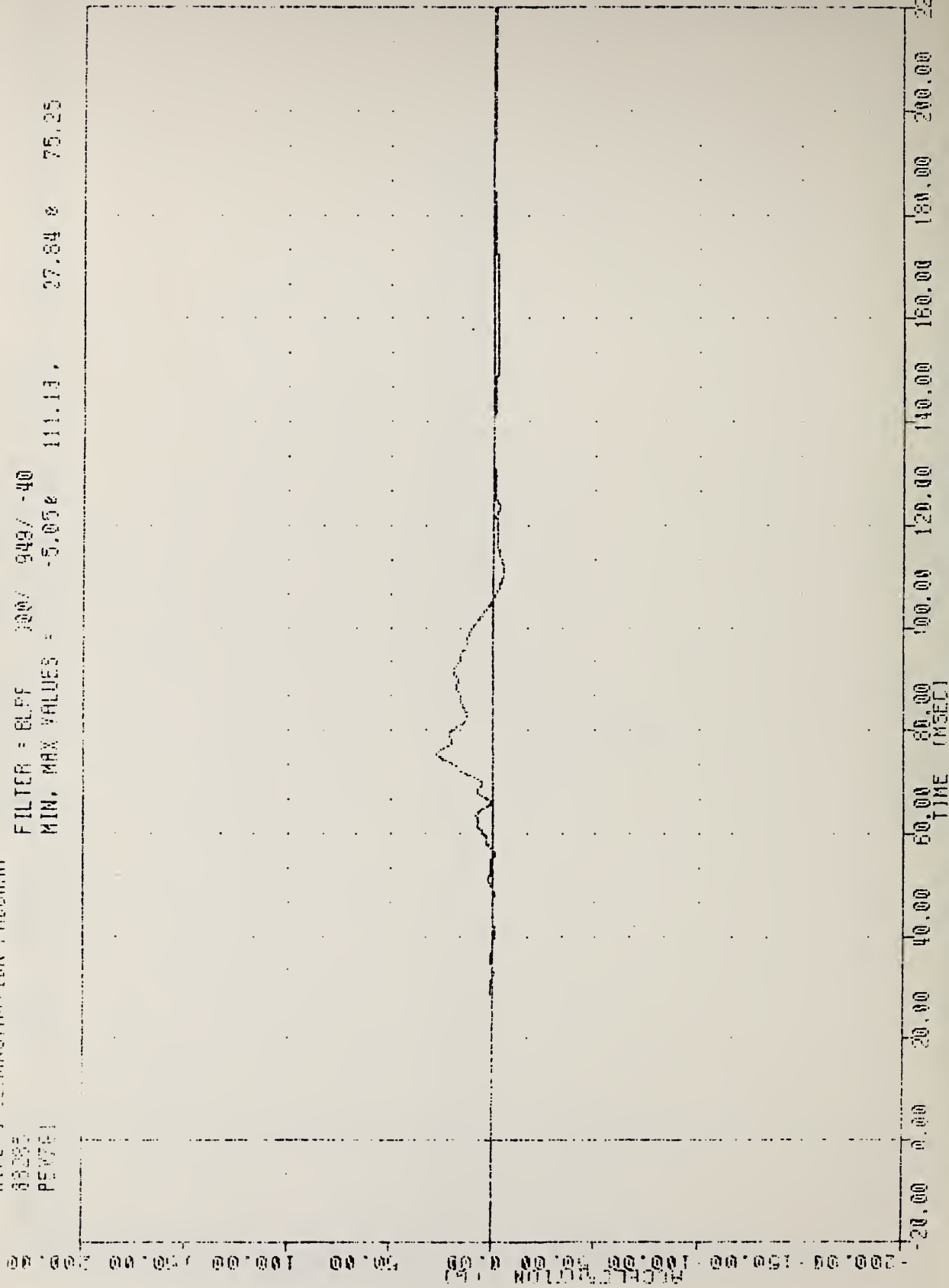
MIN. MAX VALUES =

-5.05e

111.13,

27.84 e

75.25



AIRBAG DEMONSTRATION PROGRAM

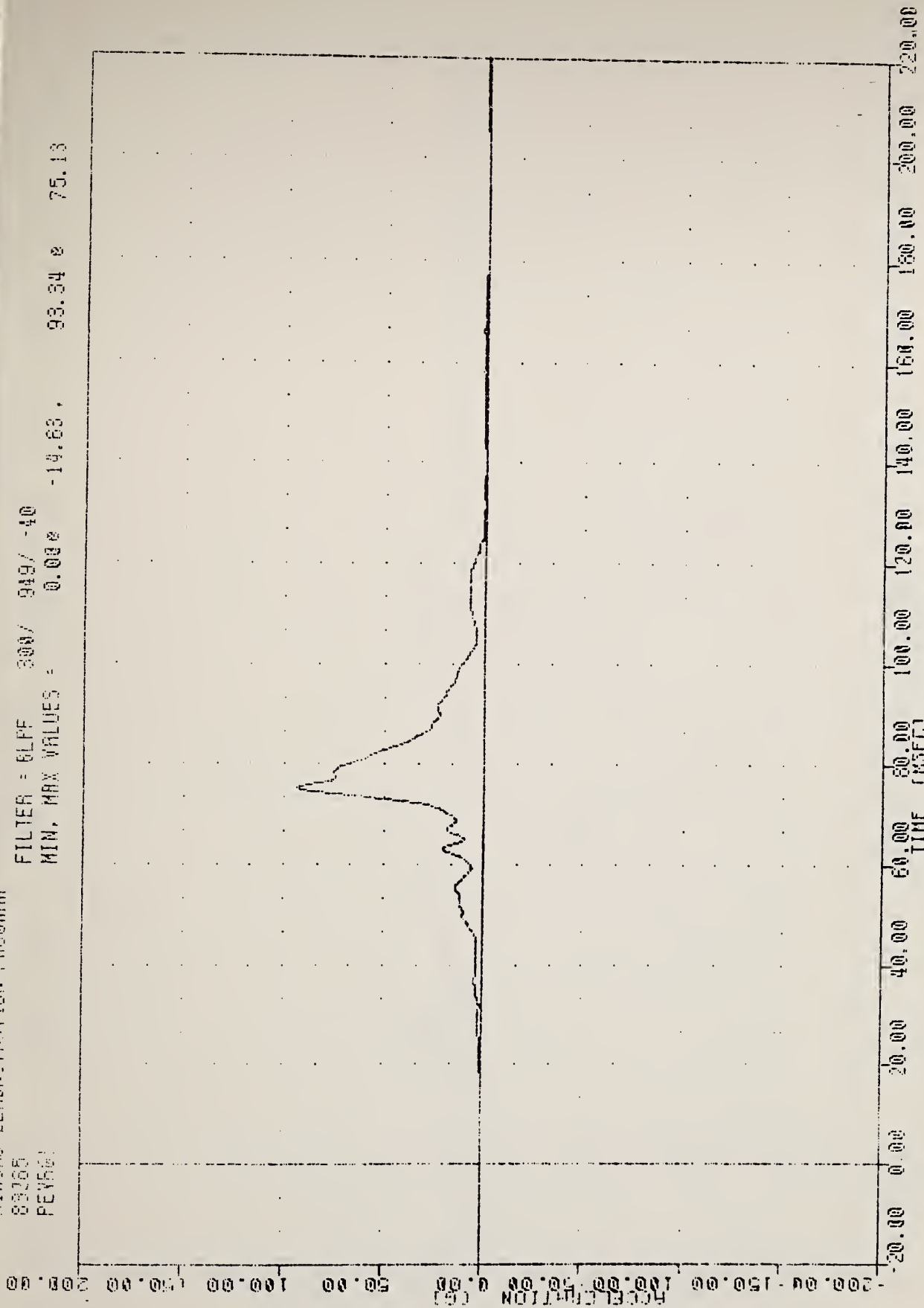
PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83265
PEV561

FILTER = 6LFF 300/ 949/ -40

MIN. MAX VALUES = 0.00e -14.63 , 93.34 e 75.13



AIRBAG DEMONSTRATION PROGRAM

PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

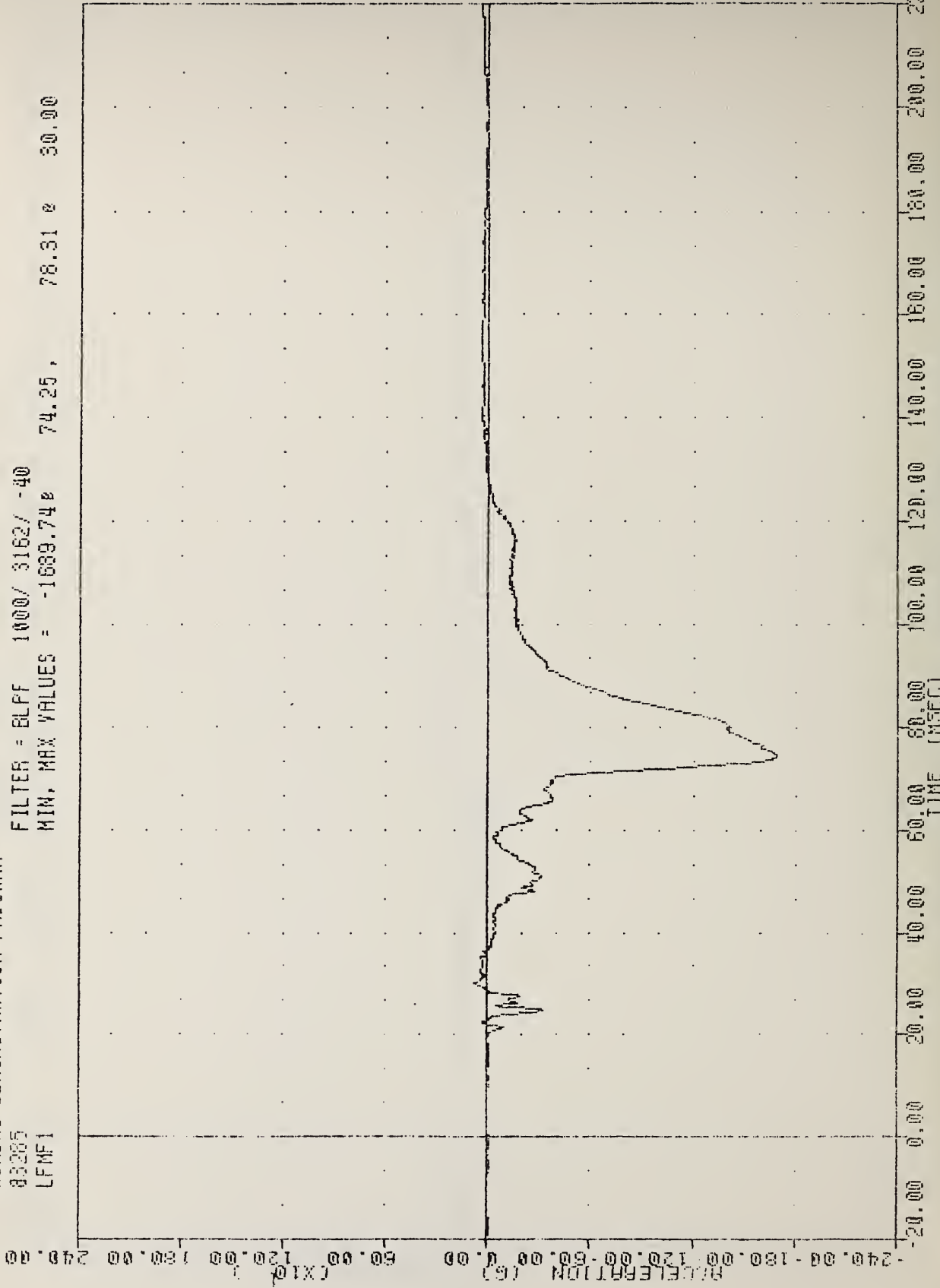
AIRBAG DEMONSTRATION PROGRAM

83285

LFMF1

FILTER = BLFF 1000/ 3162/ -40

MIN, MAX VALUES = -1689.74g 74.25, 78.31 g 30.00



AIRBAG DEMONSTRATION PROGRAM
LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83285

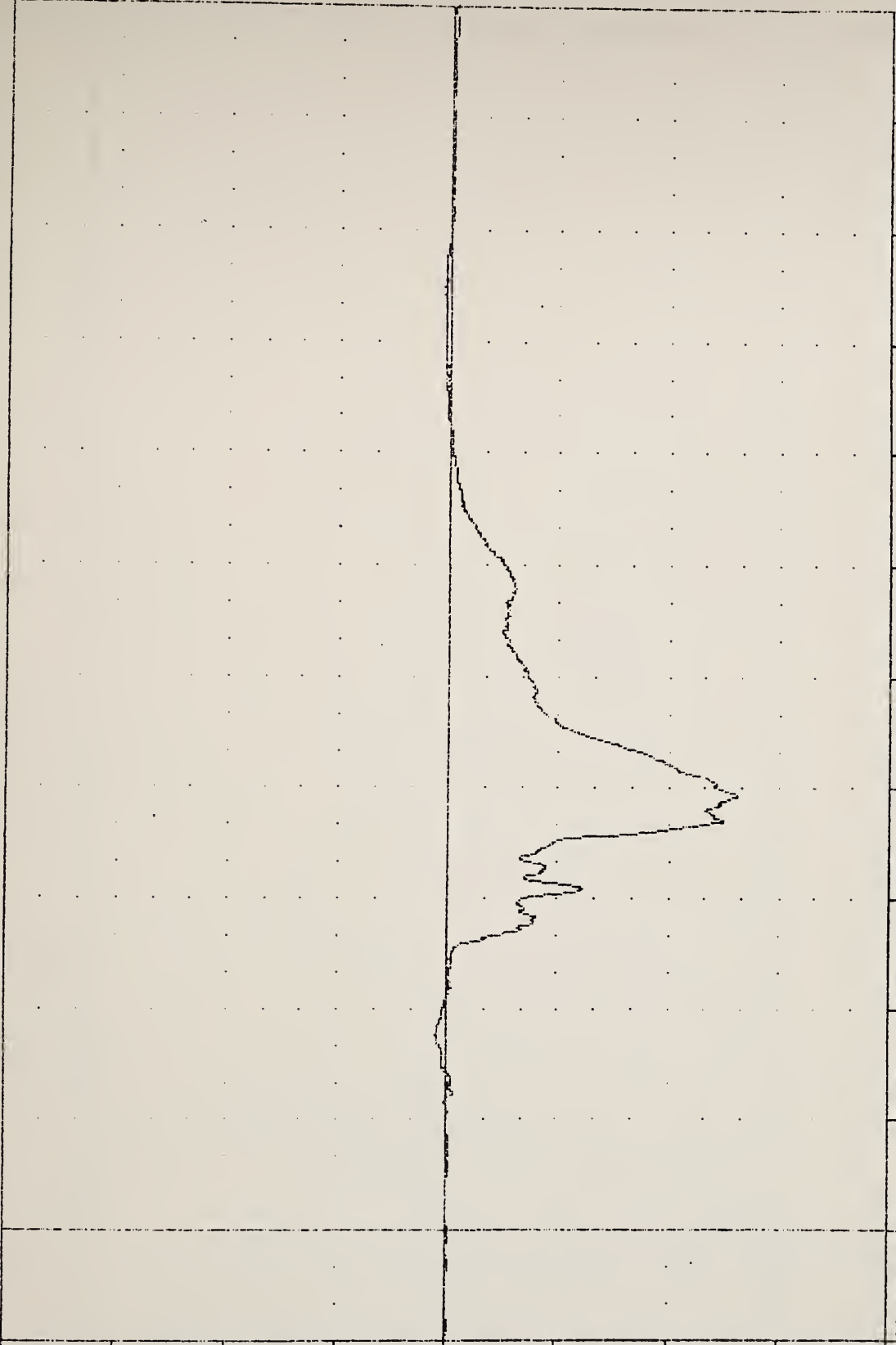
PFNF1

FILTER = BLFF 1000/ 3162/ -40

MIN. MAX VALUES = -1574.25%

78.63 , 61.30 % 35.13

ACCELERATION (G)
(X10²)



TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM

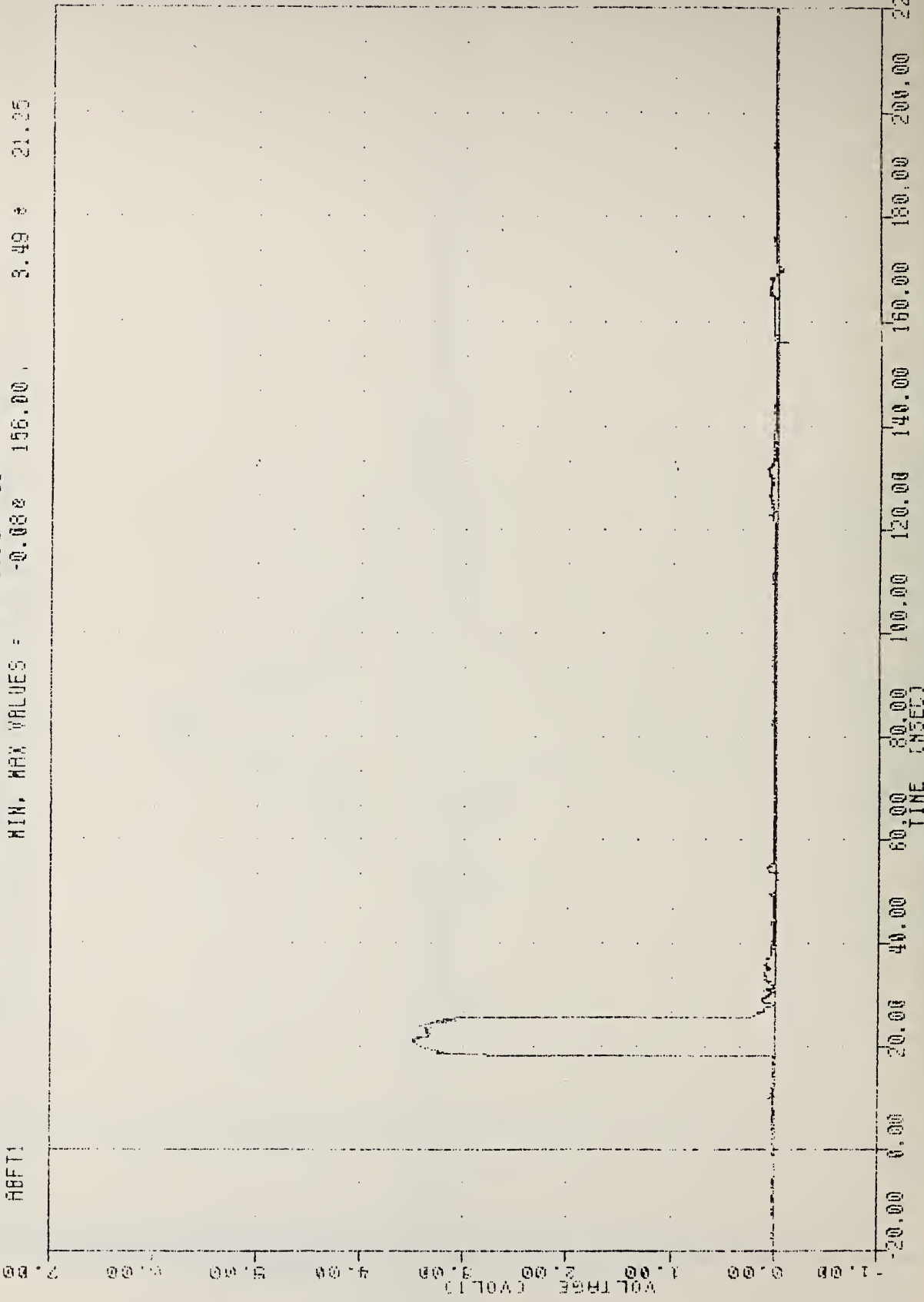
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83225
ABFT1

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -0.082 156.00

3.49 e 21.25



AIRBAG DEMONSTRATION PROGRAM

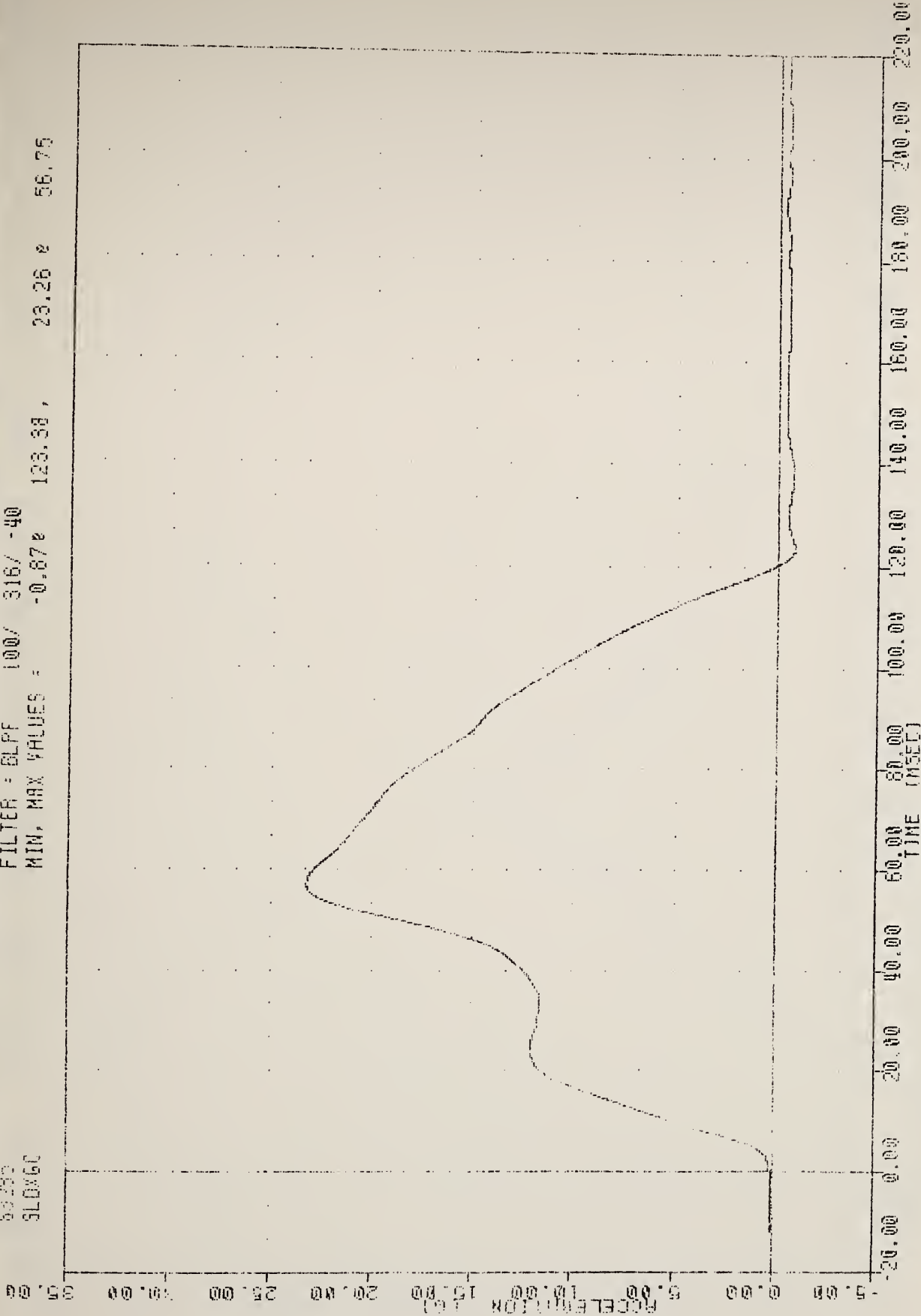
AIR BAG FIRING EVENT 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

53255
SLOX60

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.67e 123.38 , 23.26 e 56.75

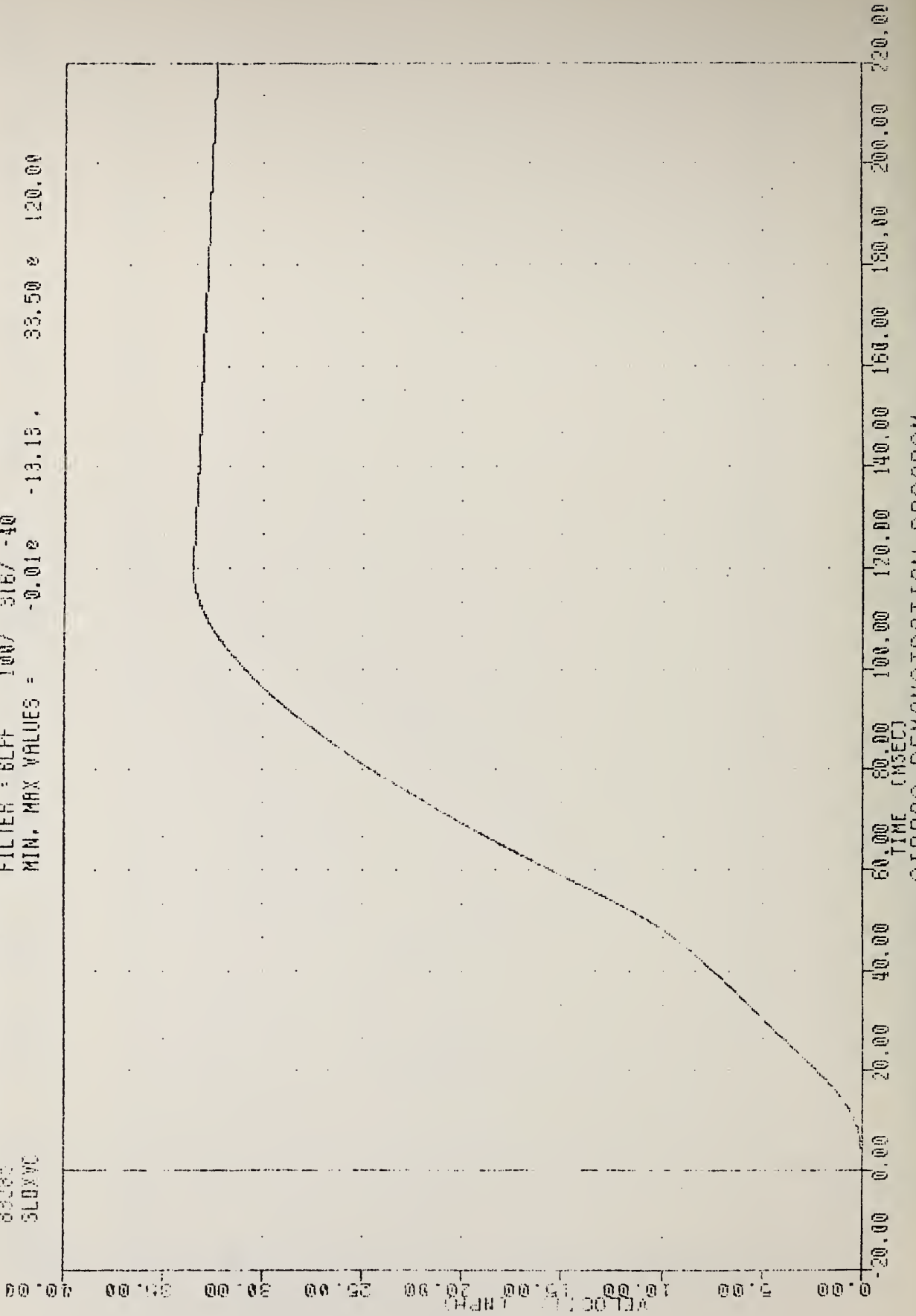


AIRBAG DEMONSTRATION PROGRAM

9LED ACCELERATION

AIRBAG DEMONSTRATION PROGRAM
83225
SLODYC

FILTER = 6LFF 10N/ 316/ -10
MIN. MAX VALUES = -0.01e 33.50 e 120.00

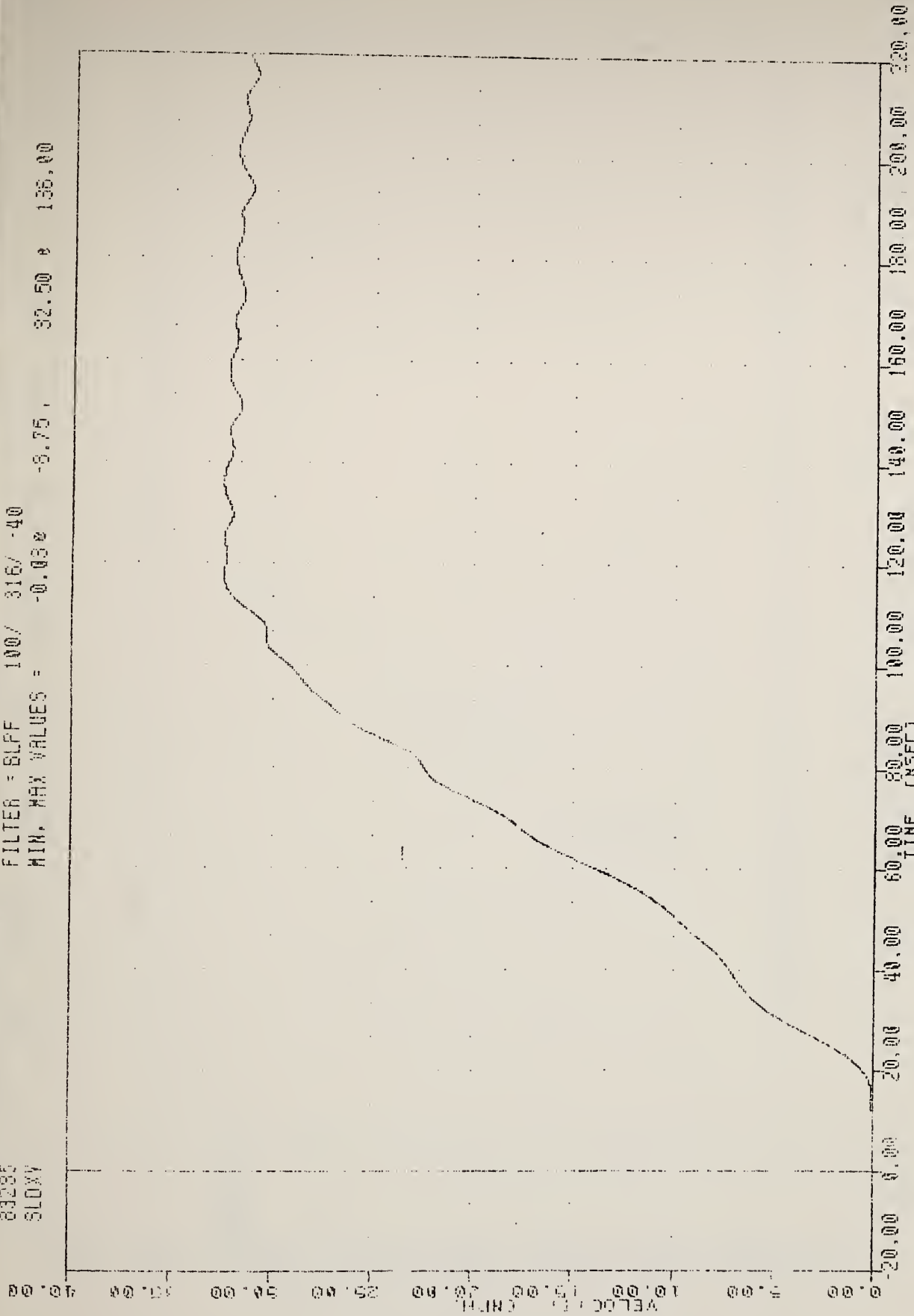


AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM

03285
SLOWY

FILTER = BLFF 100/ 316/ -40
MIN. MAX VALUES = -0.03e 32.50 e 136.00



AIRBAG DEMONSTRATION PROGRAM
SLED VELOCITY

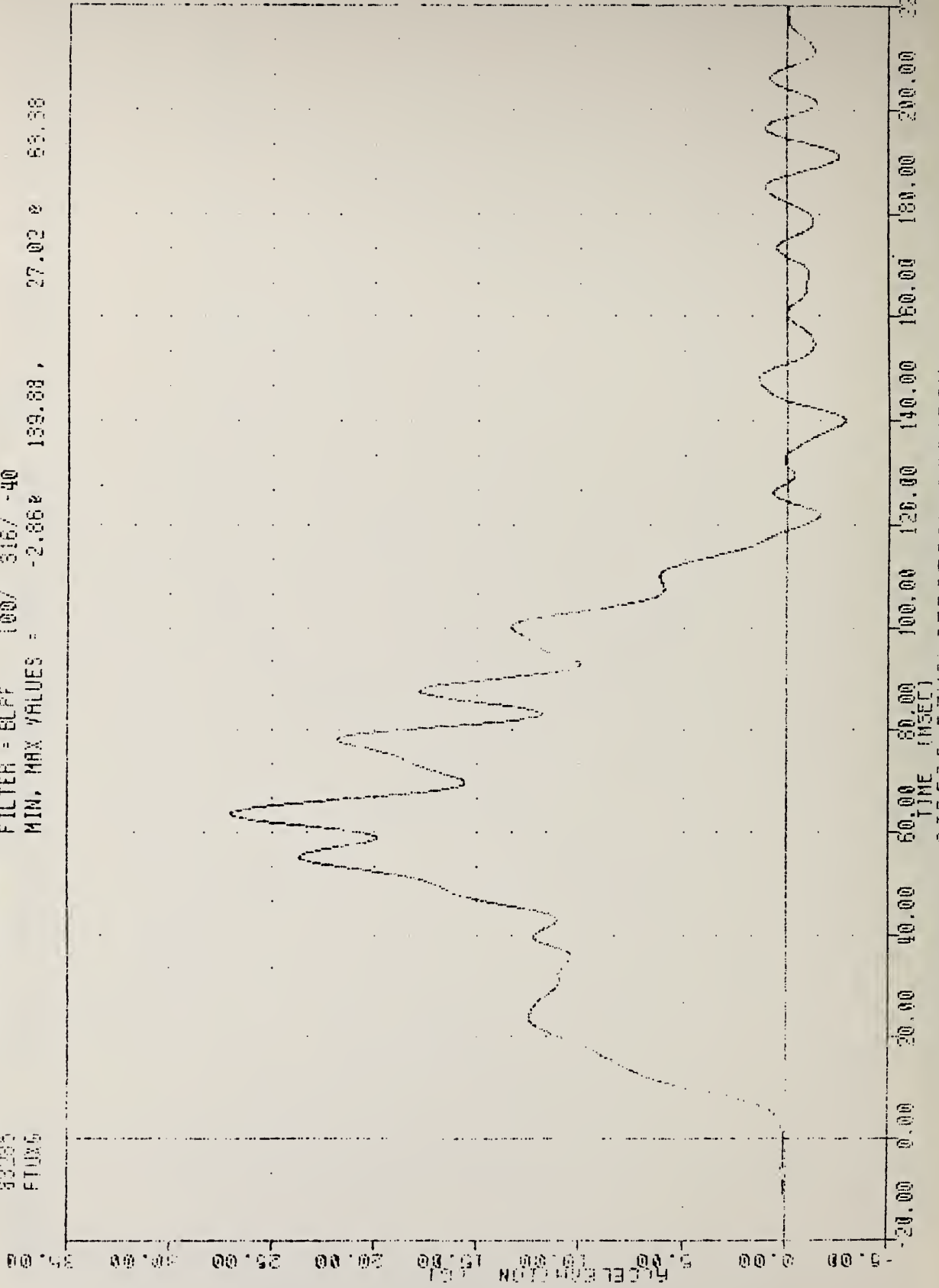
AIRBAG DEMONSTRATION PROGRAM

83285

FT005

FILTER = BLFF 100/ 316/ -40

MIN, MAX VALUES = -2.86e 27.02 e 63.38



AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

AIRBAG DEMONSTRATION PROGRAM

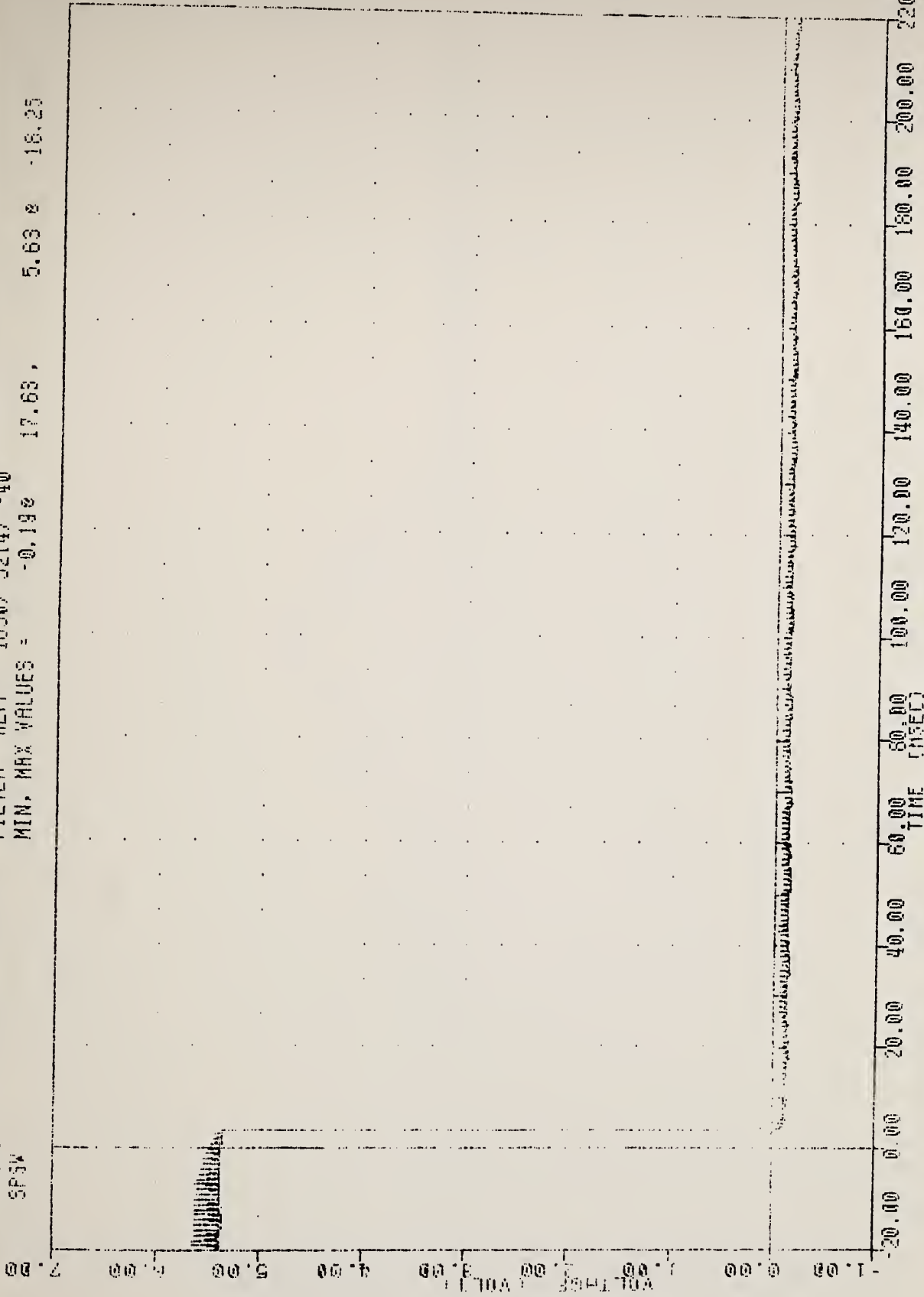
83485

SPSW

FILTER = ALFF 165N/ 5214/ -40

MIN. MAX VALUES = -0.19e

17.63 , 5.63 e -16.25



AIRBAG DEMONSTRATION PROGRAM
SLED POSITION SWITCH

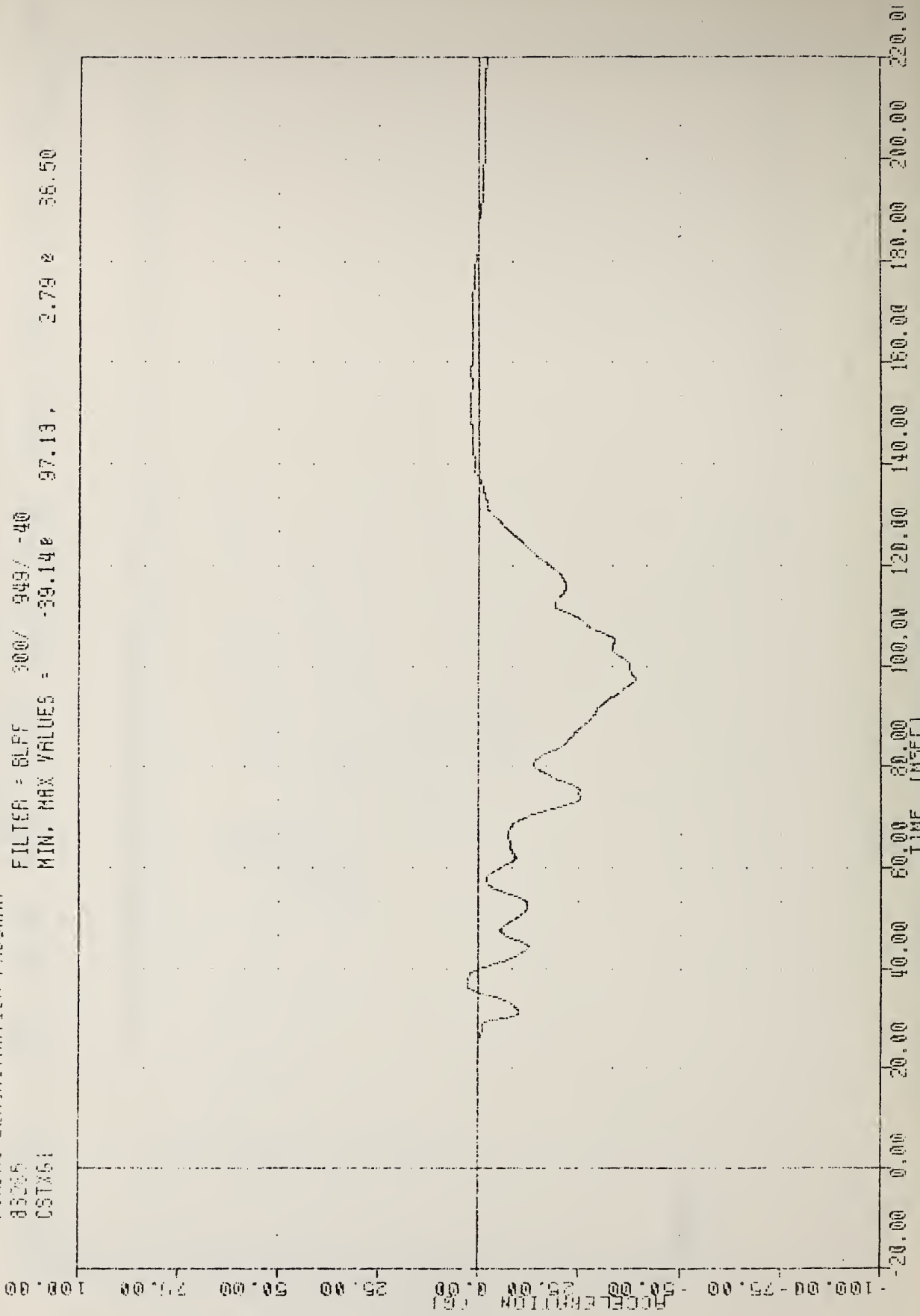
AIRBAG DEMONSTRATION PROGRAM

83265

CSTX61

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -39.14e 97.13 . 2.79 e 36.50



AIRBAG DEMONSTRATION PROGRAM

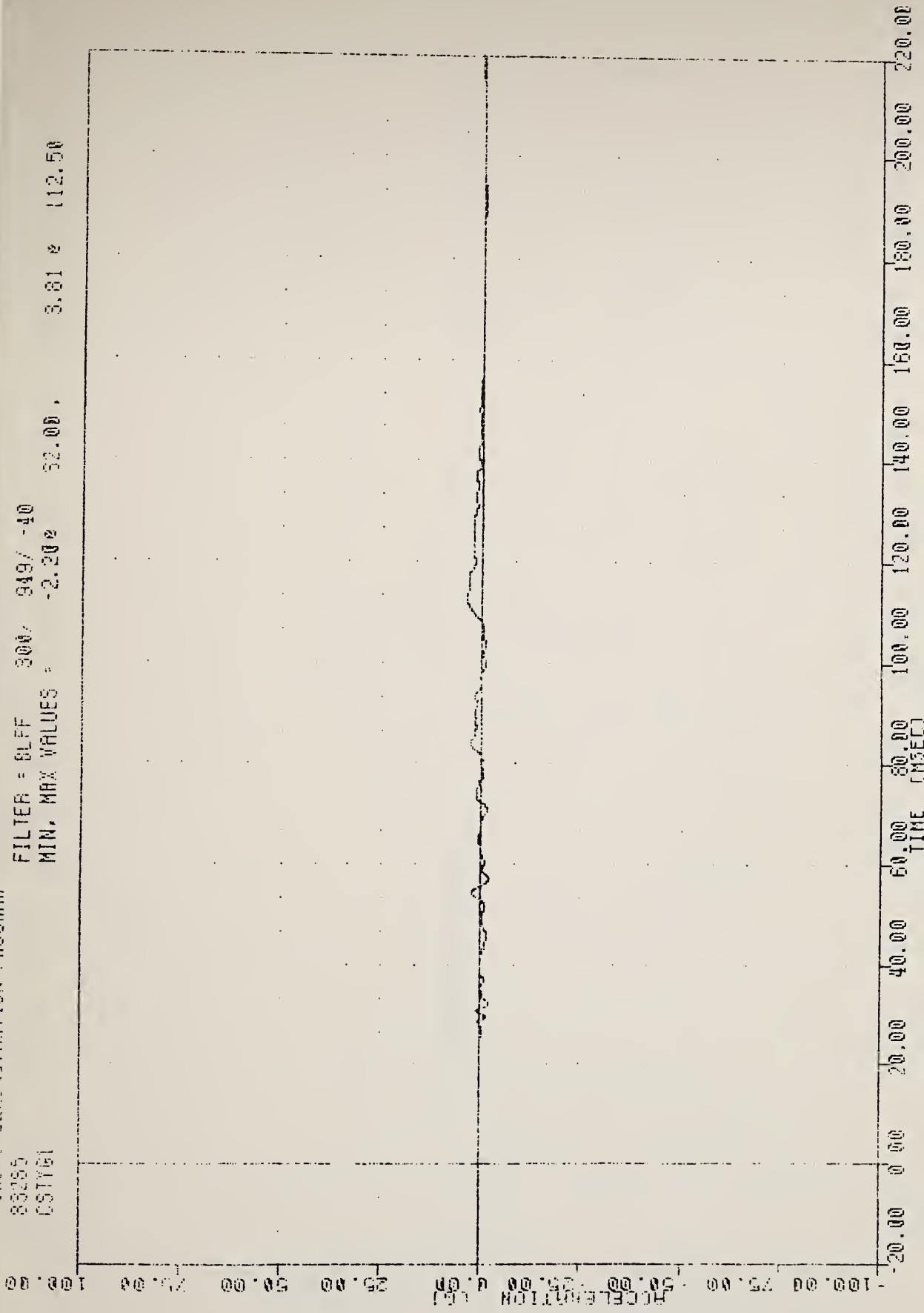
QUEST ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83255
CSTY61

FILTER = BLFF 300/ 949/ -10
MIN. MAX VALUES = -2.202 3.812

52.00 3.812 112.50



AIRBAG DEMONSTRATION PROGRAM

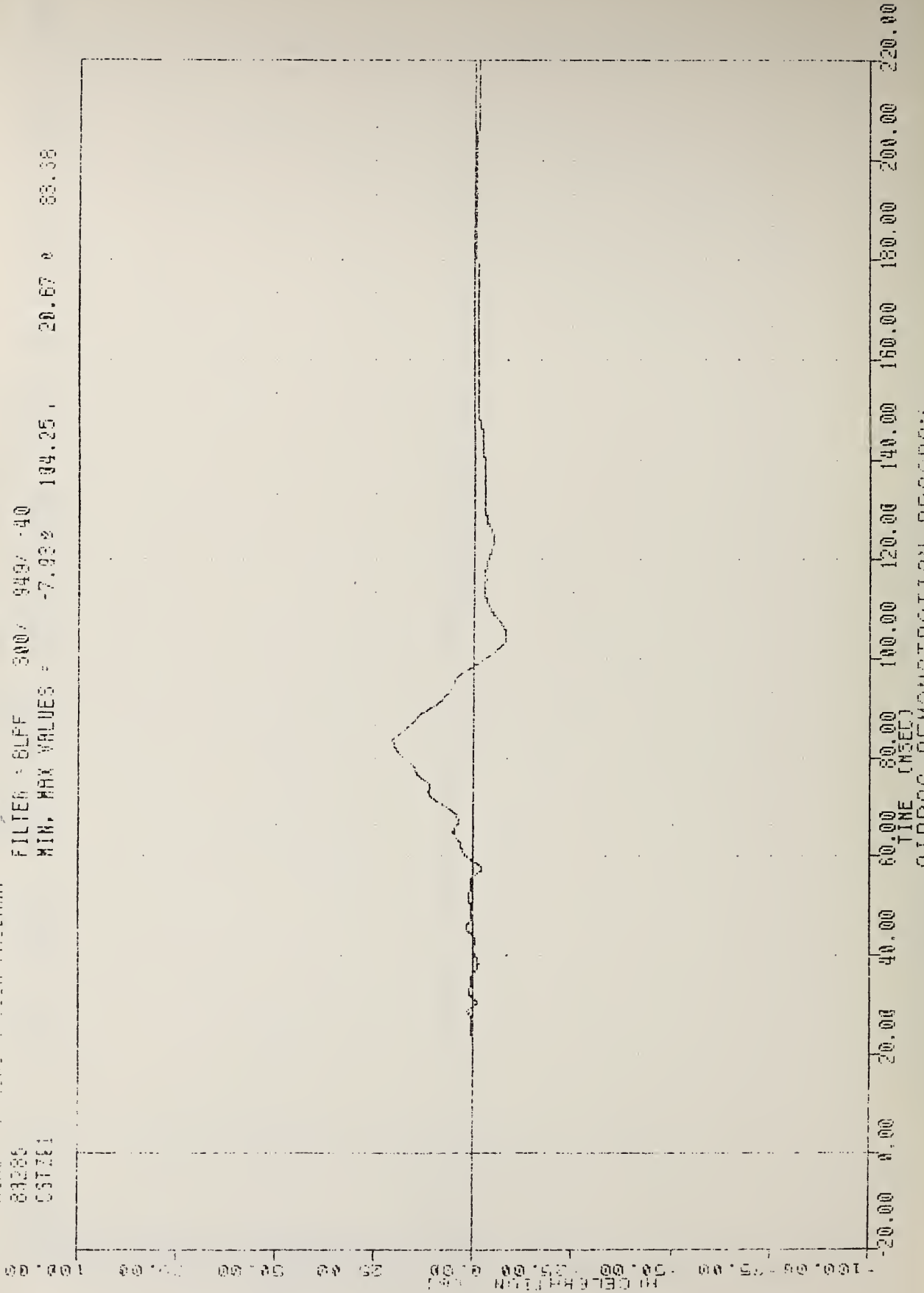
CHEST ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83286
CSTJEL

FILTER = 8LFF 300/ 949/ -40

MIN. MAX VALUES = -7.93% 104.25, 20.67 83.38



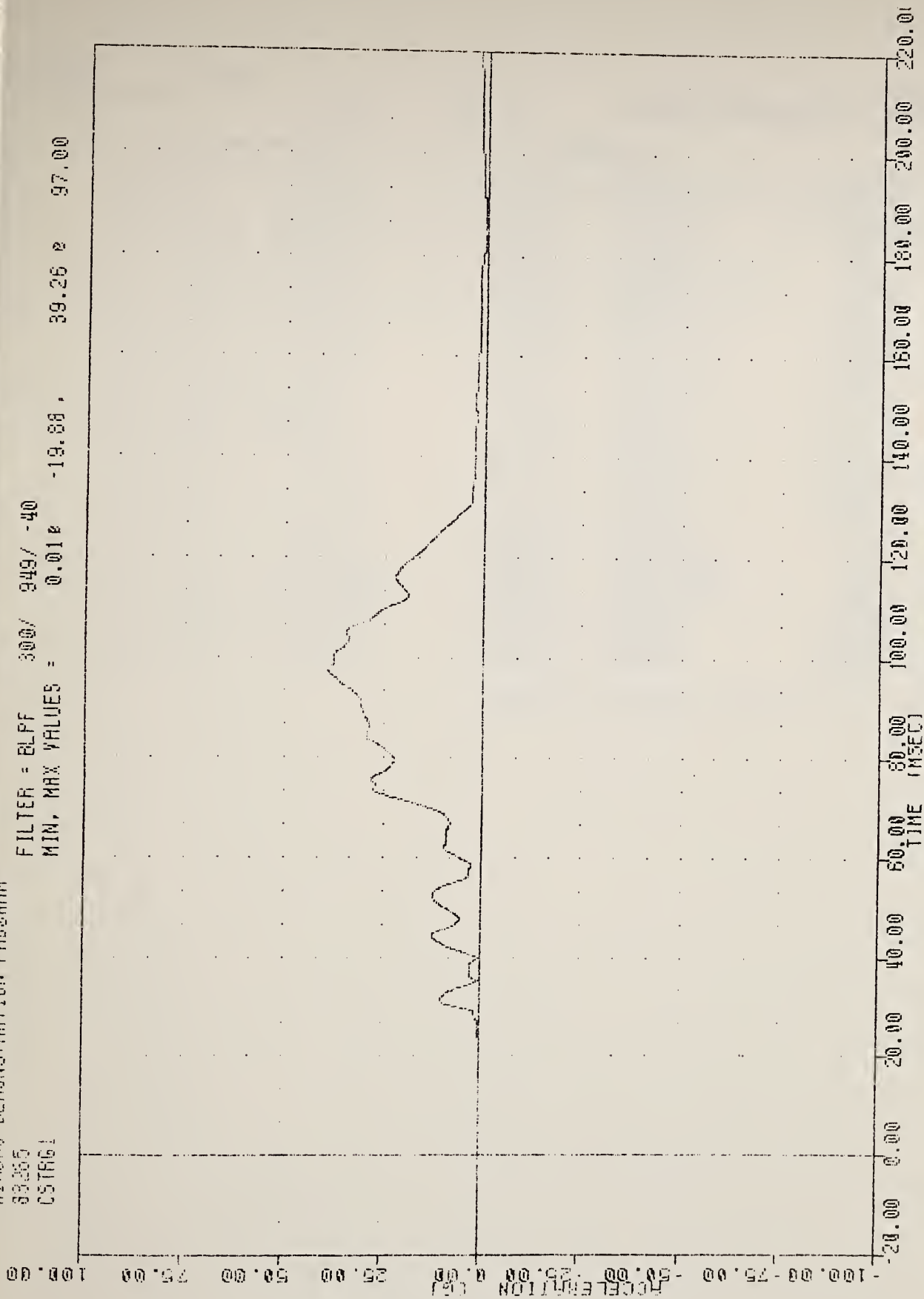
AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

33265
CSTRG1

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.01g -19.88g 39.26g 97.00g



AIRBAG DEMONSTRATION PROGRAM

CHEST RESULTANT ACCELERATION 50TH PERCENTILE

TRC212I

AIRBAG DEMONSTRATION PROGRAM

0.0 mph

83286

VRTC

RD583-2-04

13-OCT-83 13:01:06

		Min value		Max value	
1	SPSW	-0.359 @	354.375	5.451 @	-35.500 msec
2	SLDXGC	-0.781 @	351.125	23.122 @	56.625 msec
3	SLDXVC	-0.041 @	-12.375	33.388 @	120.750 msec
4	SLDXV	-38.140 @	-41.000	32.446 @	136.250 msec
5	FTUXG	-32.543 @	-41.000	24.859 @	63.000 msec
6	ABFT1	-0.227 @	331.375	3.413 @	21.000 msec
7	HEDXG1	-60.021 @	95.375	79.083 @	183.500 msec
8	HEDXV1	-41.044 @	162.625	0.241 @	31.625 msec
9	HEDYG1	-16.792 @	183.875	12.149 @	96.250 msec
10	HEDZG1	-23.462 @	83.000	13.427 @	184.250 msec
11	CSTXG1	-34.235 @	79.625	9.037 @	187.750 msec
12	CSTXV1	-39.420 @	182.000	0.000 @	-45.375 msec
13	CSTYG1	-4.687 @	-44.000	7.876 @	90.750 msec
14	CSTZG1	-3.950 @	226.750	18.138 @	90.250 msec
15	PEVXG1	-29.001 @	78.500	2.591 @	311.500 msec
16	PEVYG1	-6.115 @	96.375	29.047 @	-44.000 msec
17	PEVZG1	-3.317 @	214.750	33.017 @	76.250 msec
18	CSTXD	-0.017 @	201.625	0.587 @	89.125 msec
19	LFMF1	-379.745 @	24.375	417.924 @	25.750 msec
20	RFMF1	-427.000 @	63.500	122.837 @	48.500 msec
21	SHRF1	-286.320 @	-34.625	2255.677 @	82.000 msec
22	HEDRG1	0.013 @	-45.750	80.779 @	183.625 msec
23	CSTRG1	0.002 @	-20.625	36.327 @	79.750 msec
24	PEVRG1	0.008 @	-12.125	43.400 @	76.250 msec

Enter input filespec [,F][,P] -->EXIT

\$

2-
11
* * * HIC computation for TRC212I 13-OCT-83 13:04:01

HEDRG1 VRTC RD583-2-04 83286 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 80.78 @ 183.625

HIC = 509.62 Interval from 74.875 [966] to 106.750 [1221]

HIC = 390.62 Interval from 87.250 [1065] to 102.250 [1185]

Elapsed time = 9.58 sec

Enter channel [stop time] -->

AIRBAG DEMONSTRATION PROGRAM

85286

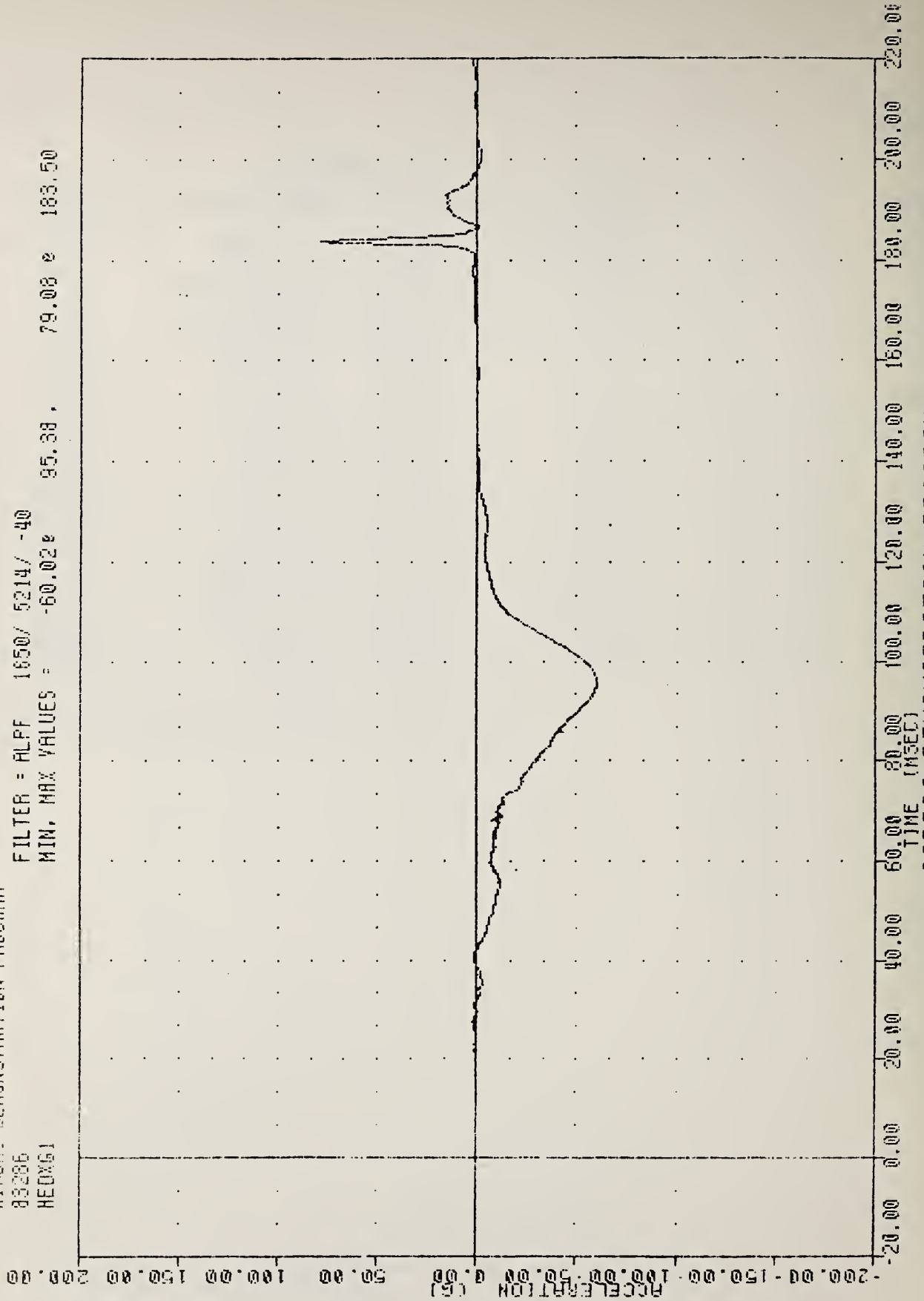
HEAD

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -60.02 e

95.38 .

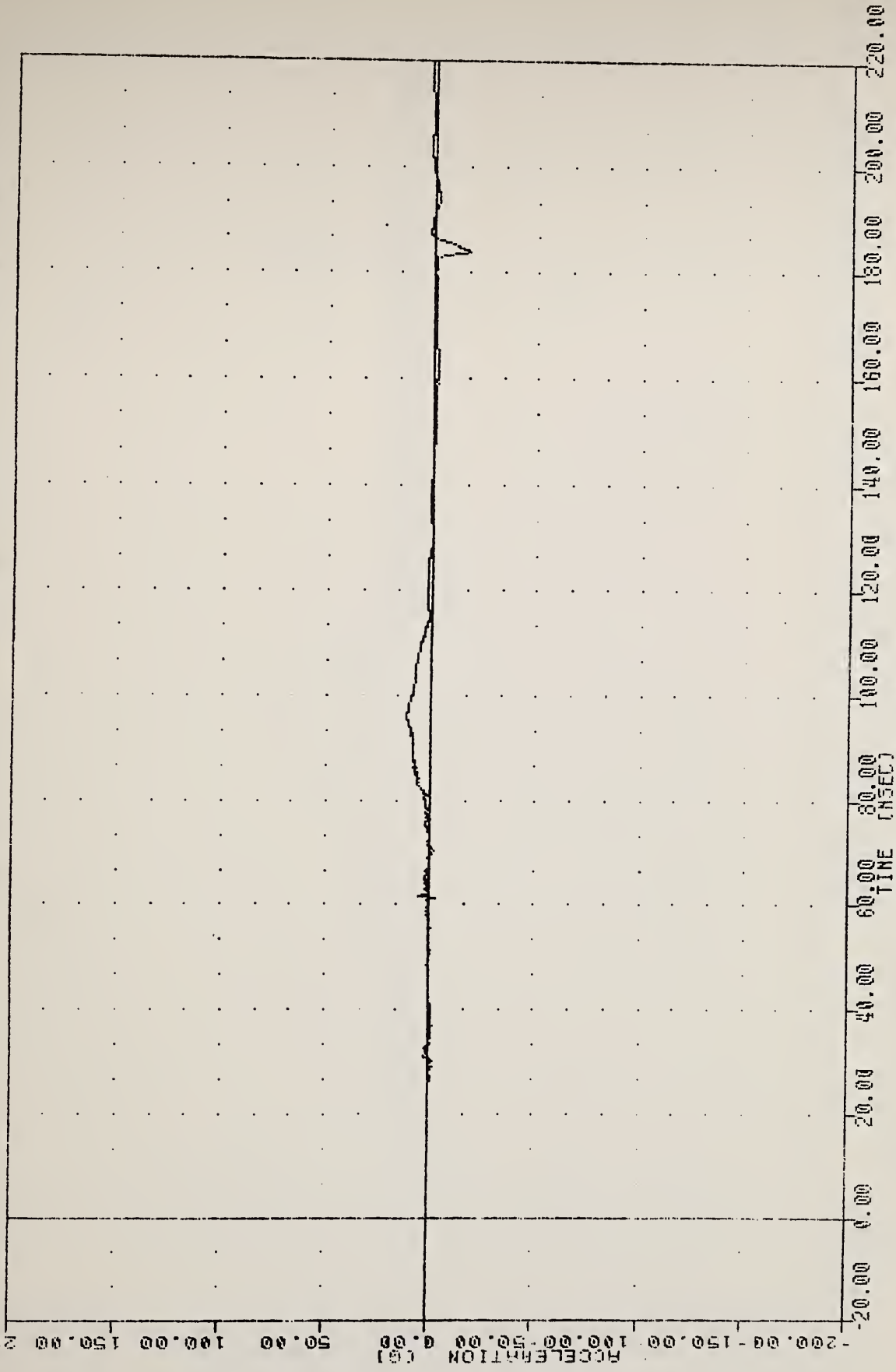
79.08 e 183.50



AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION Y AXIS 50TH PERCENTILE

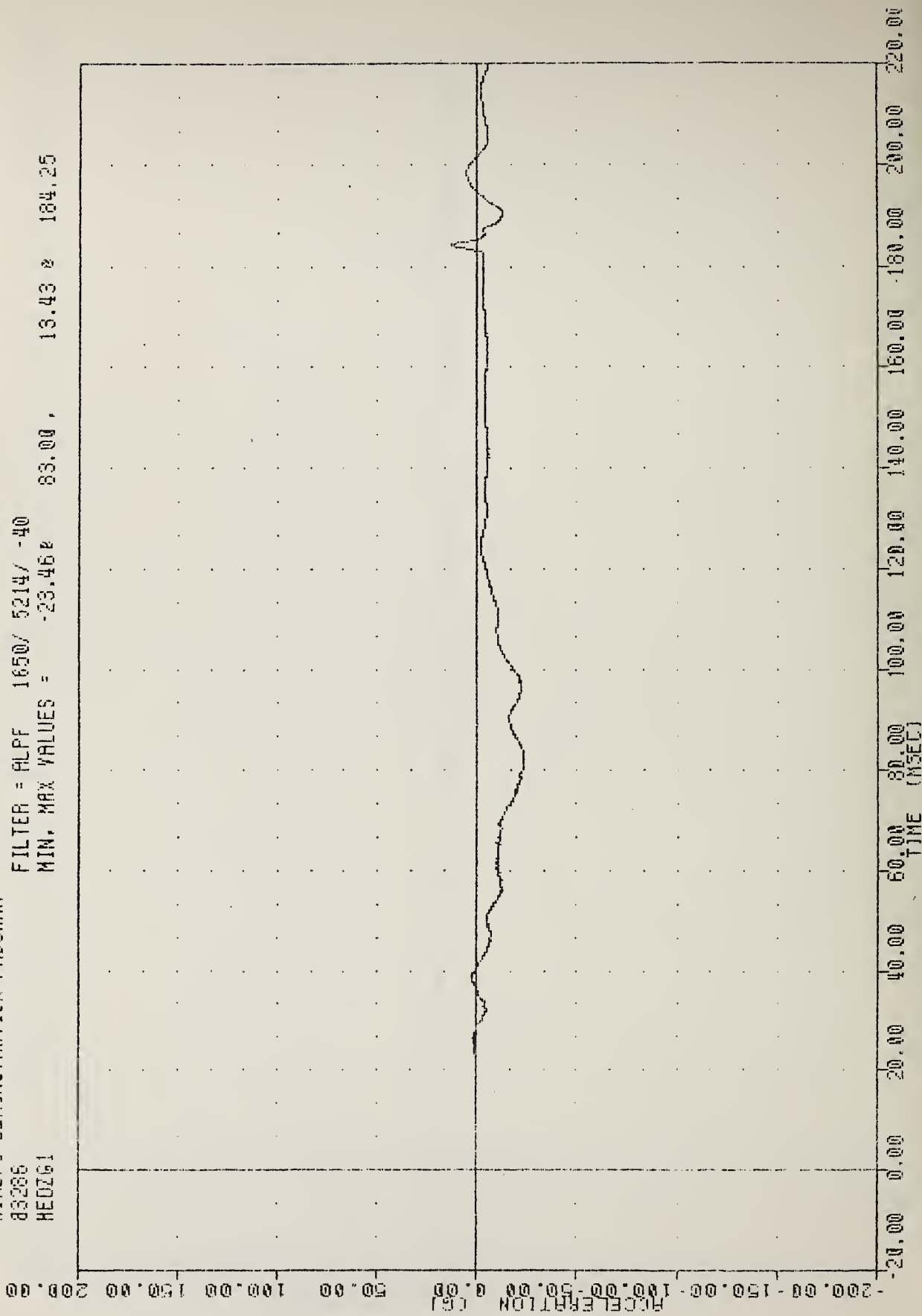
VATIC , RD563-2-04. PLOT DATE 13-OCT-83 13:04:31
 AIRBAG DEMONSTRATION PROGRAM
 83288 FILTER = ALPF 1650/ 5214/ -40
 HEADY61 MIN, MAX VALUES = -16.79% 183.68 , 12.15 % 96.25



AIRBAG DEMONSTRATION PROGRAM
 HEAD ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83286
HEADZ61

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -23.46e 83.00, 13.43 e 184.25



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Z AXIS 50TH PERCENTILE

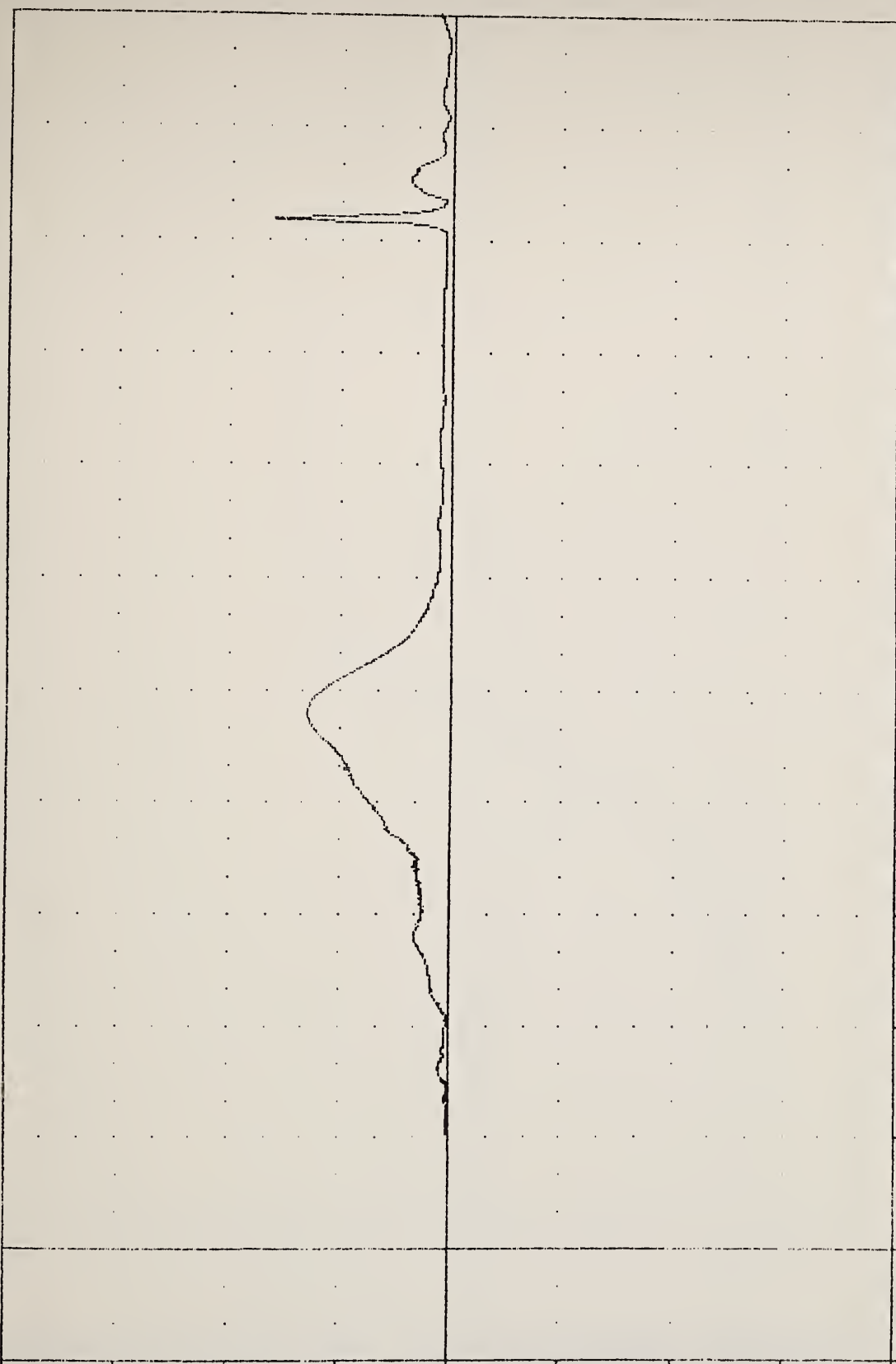
PLOT DATE 13-OCT-83 13:04:31

VRIC , AU583-2-04
AIRBAG DEMONSTRATION PROGRAM

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.01e -19.26 , 80.78 e 183.63

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

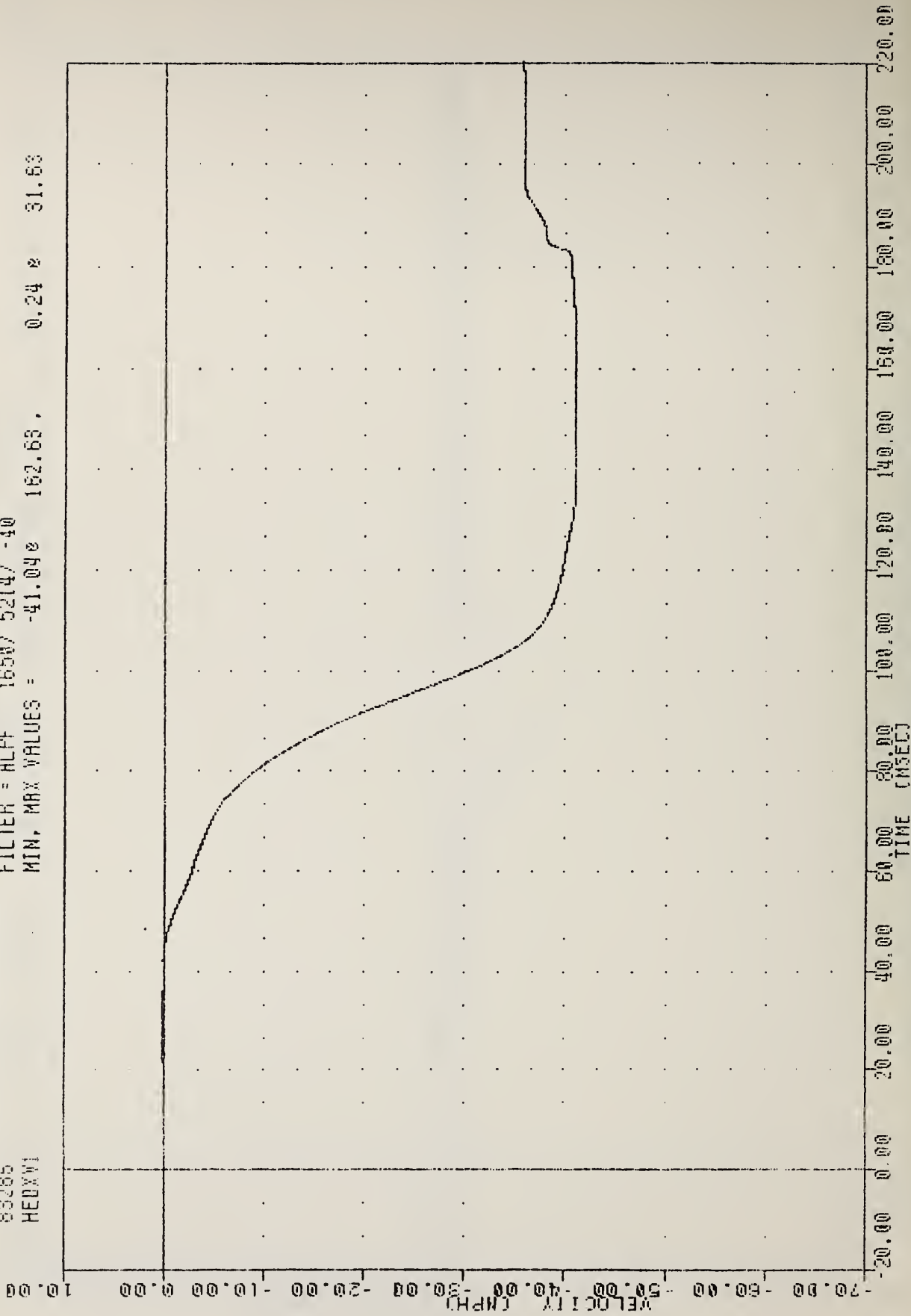


TIME (MSEC) 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
89285
HEBXW1

FILTER = ALFF 1650/ 5214/ -40
MIN, MAX VALUES = -41.040 162.63 . 0.24 % 31.63

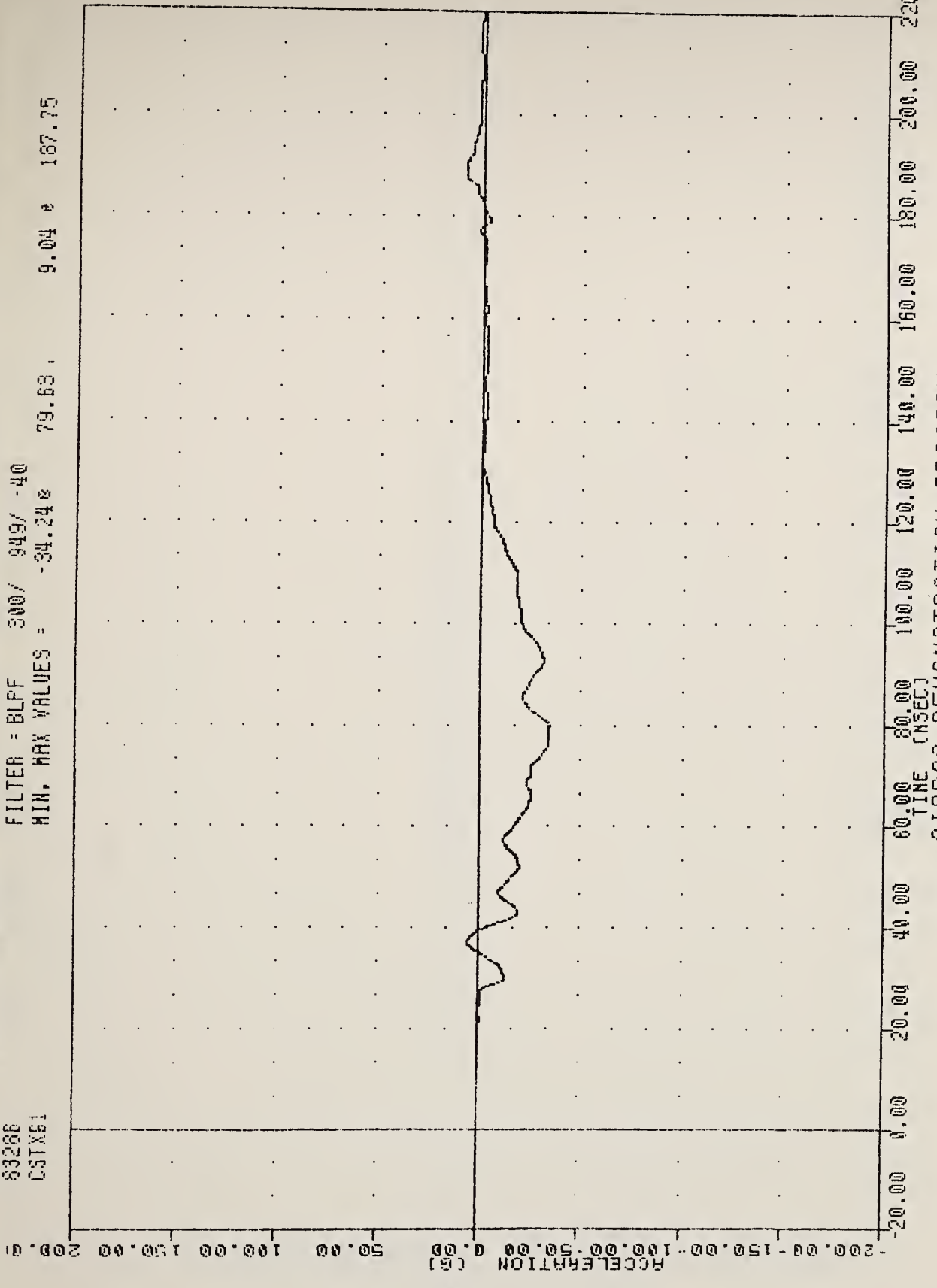


AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 50TH PERCENTILE

WATC , R0583-2-04
AIRBAG DEMONSTRATION PROGRAM
83286
CSTX61

PLOT DATE 13-OCT-83 13:04:31

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -34.248 79.63 , 9.04 e 167.75



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 50TH PERCENTILE

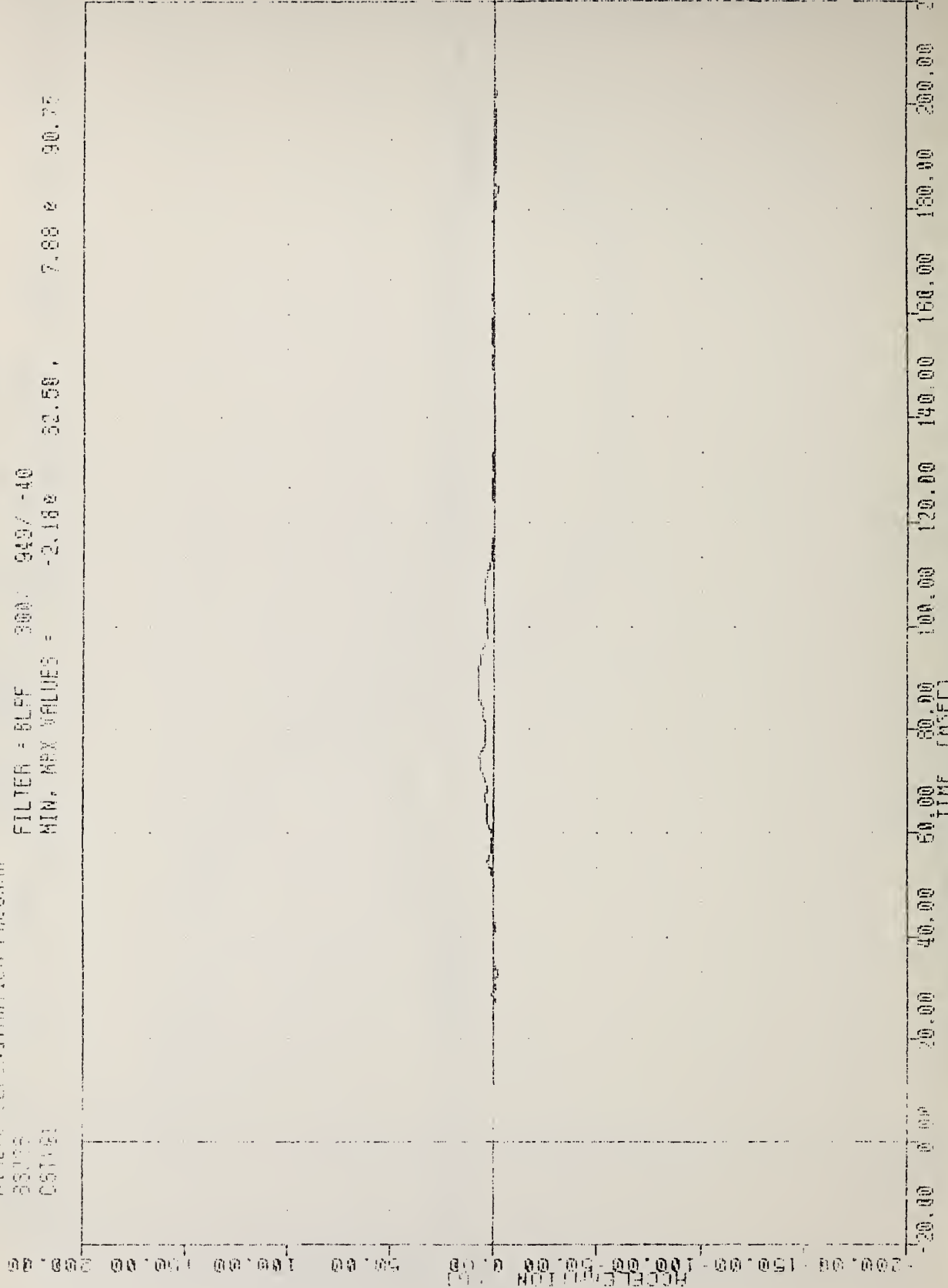
AIRBAG DEMONSTRATION PROGRAM

931193
081191

FILTER = BLFF 300 9497 -40

MIN. MAX VALUES = -2.18E

7.88 E 90.75



AIRBAG DEMONSTRATION PROGRAM

FIRST ACCELERATION IN HVLS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83288

CS1261

FILTER = 5LFF 300/ 949/ -40

MIN, MAX VALUES =

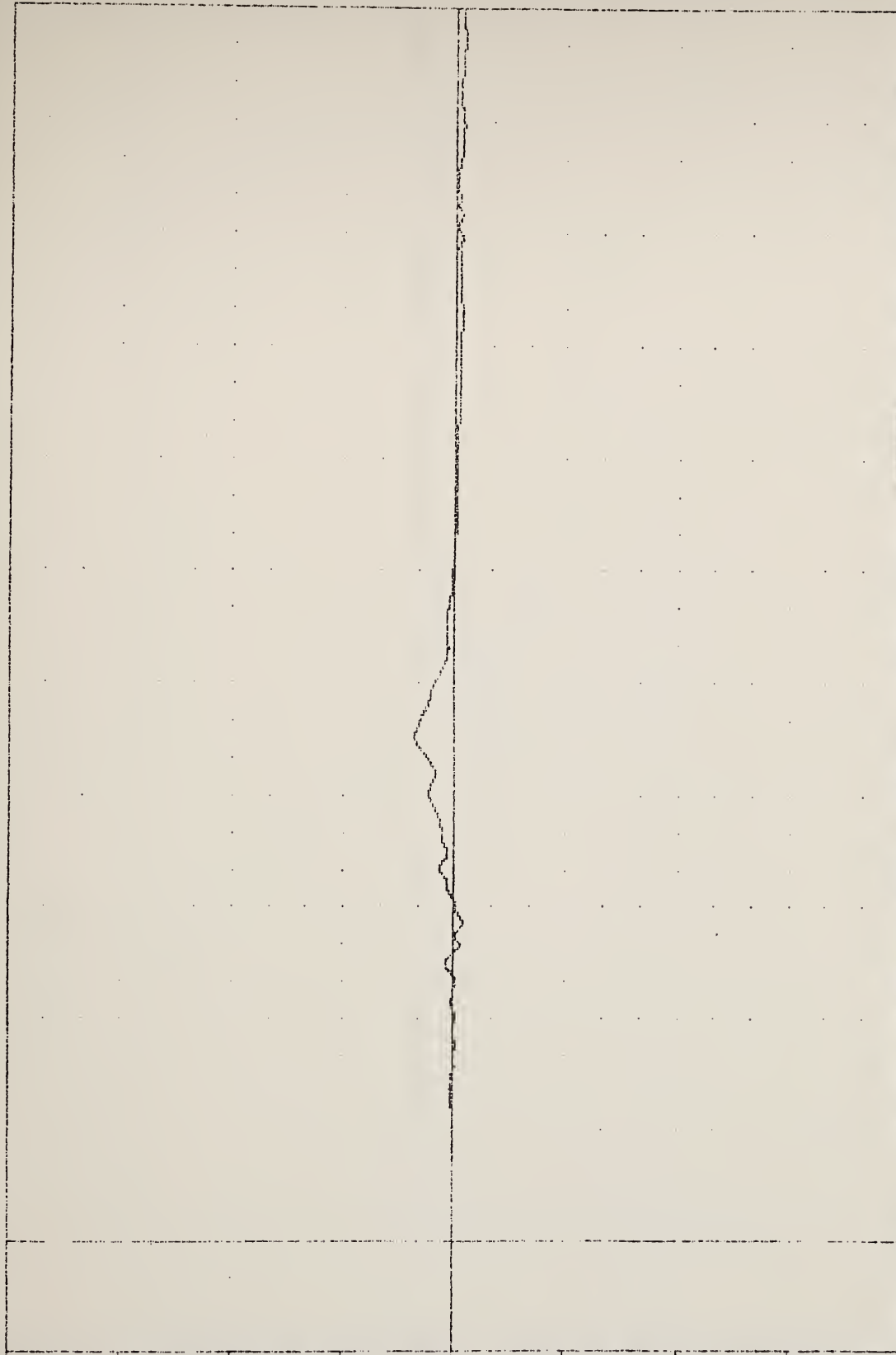
-3.82%

57.00

18.14

50.25

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)

AIRBAG DEMONSTRATION PROGRAM

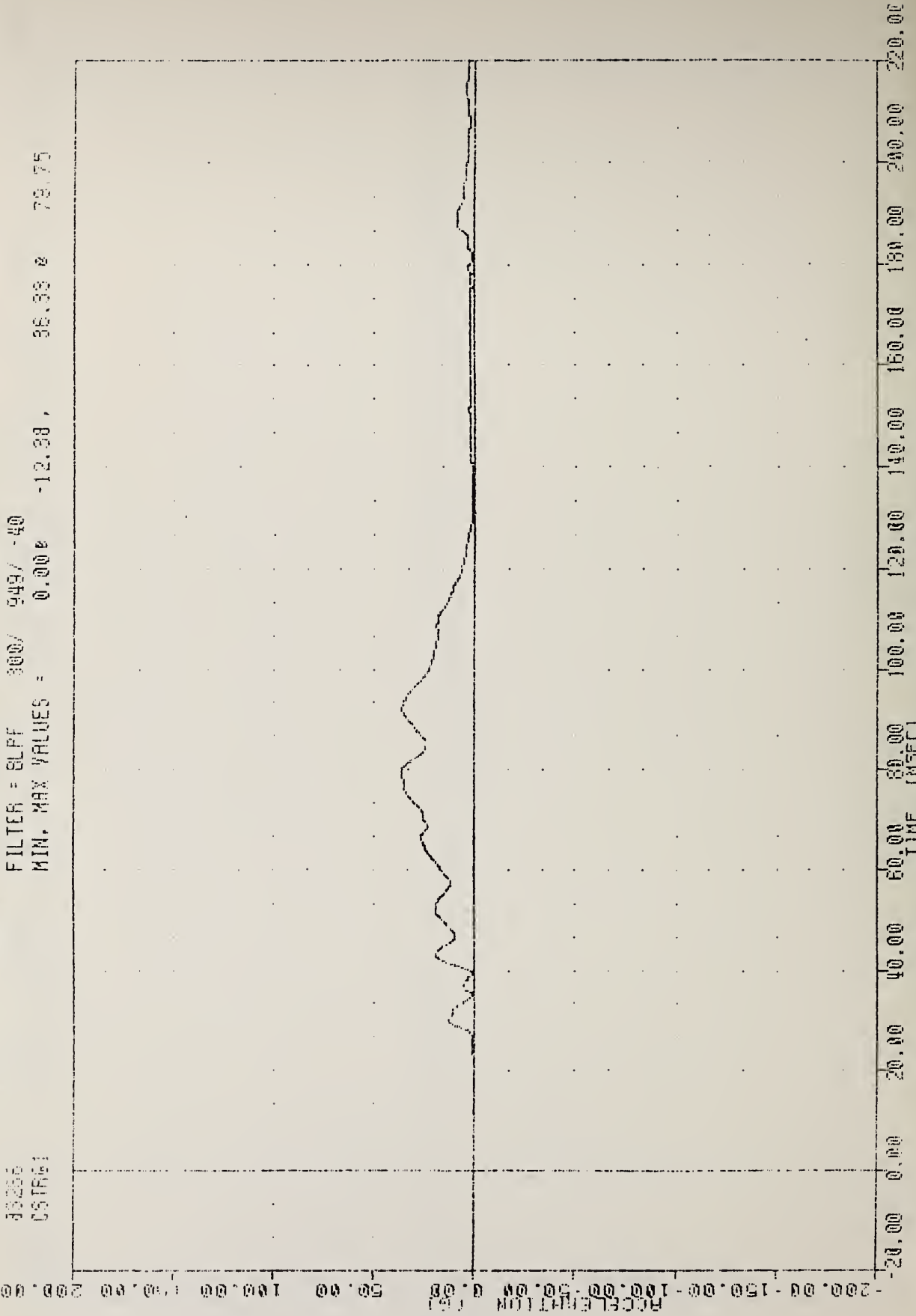
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

35255
CSTRG1

FILTER = SLFF 300/ 949/ -40

MIN. MAX VALUES = 0.00E -12.38 , 36.33 E 73.75



AIRBAG DEMONSTRATION PROGRAM

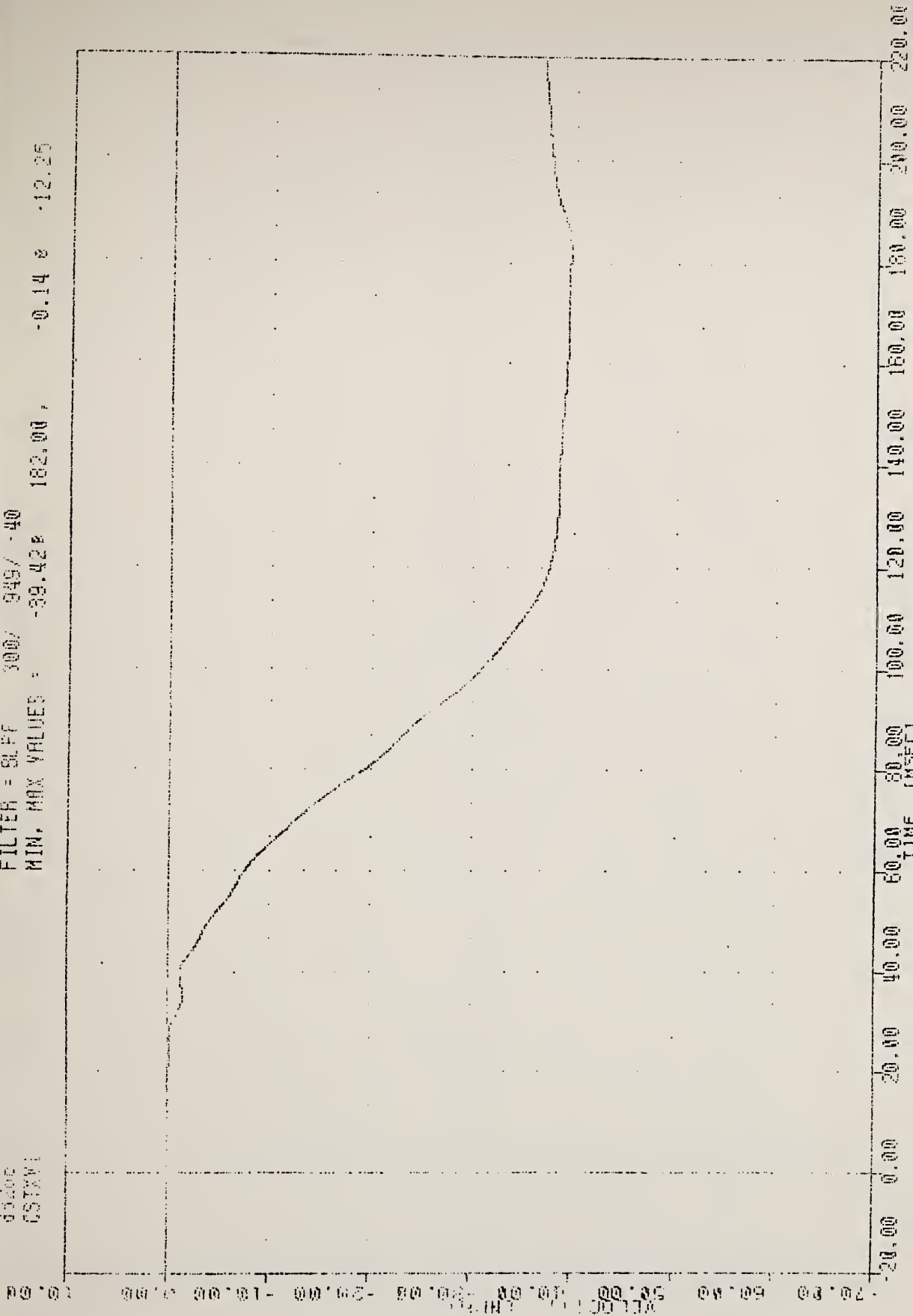
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

65000
CSTXV1

FILTER = SLFF 300/ 949/ -40

MIN. MAX VALUES : -39.428 182.00 , -0.14 e -12.25



AIRBAG DEMONSTRATION PROGRAM

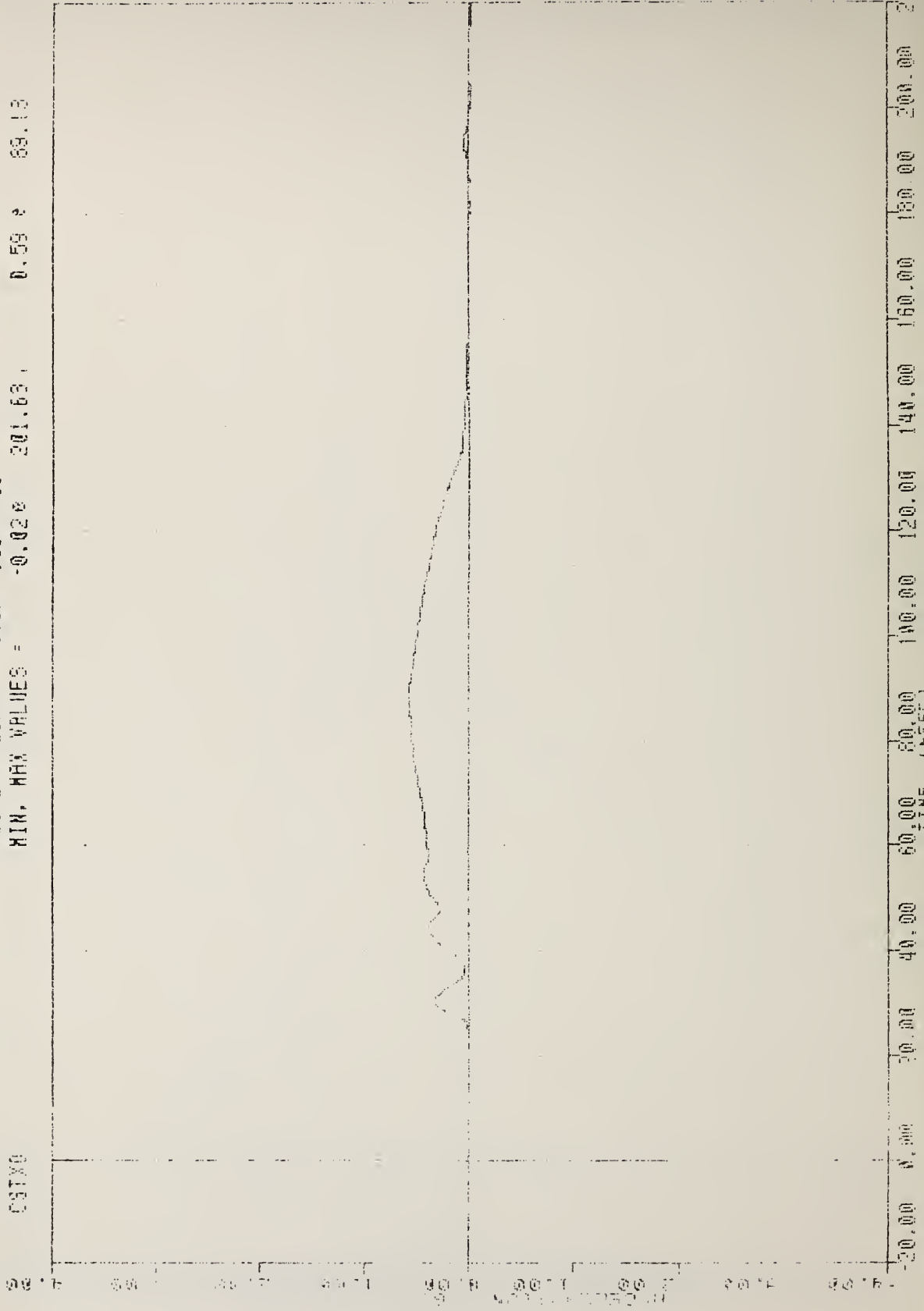
CHEST VELOCITY X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

81236
CSTX0

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -0.020 201.63 0.59 89.13



AIRBAG DEMONSTRATION PROGRAM
CHEST IMPACTOR: AT 5000 PERCENT

AIRBAG DEMONSTRATION PROGRAM

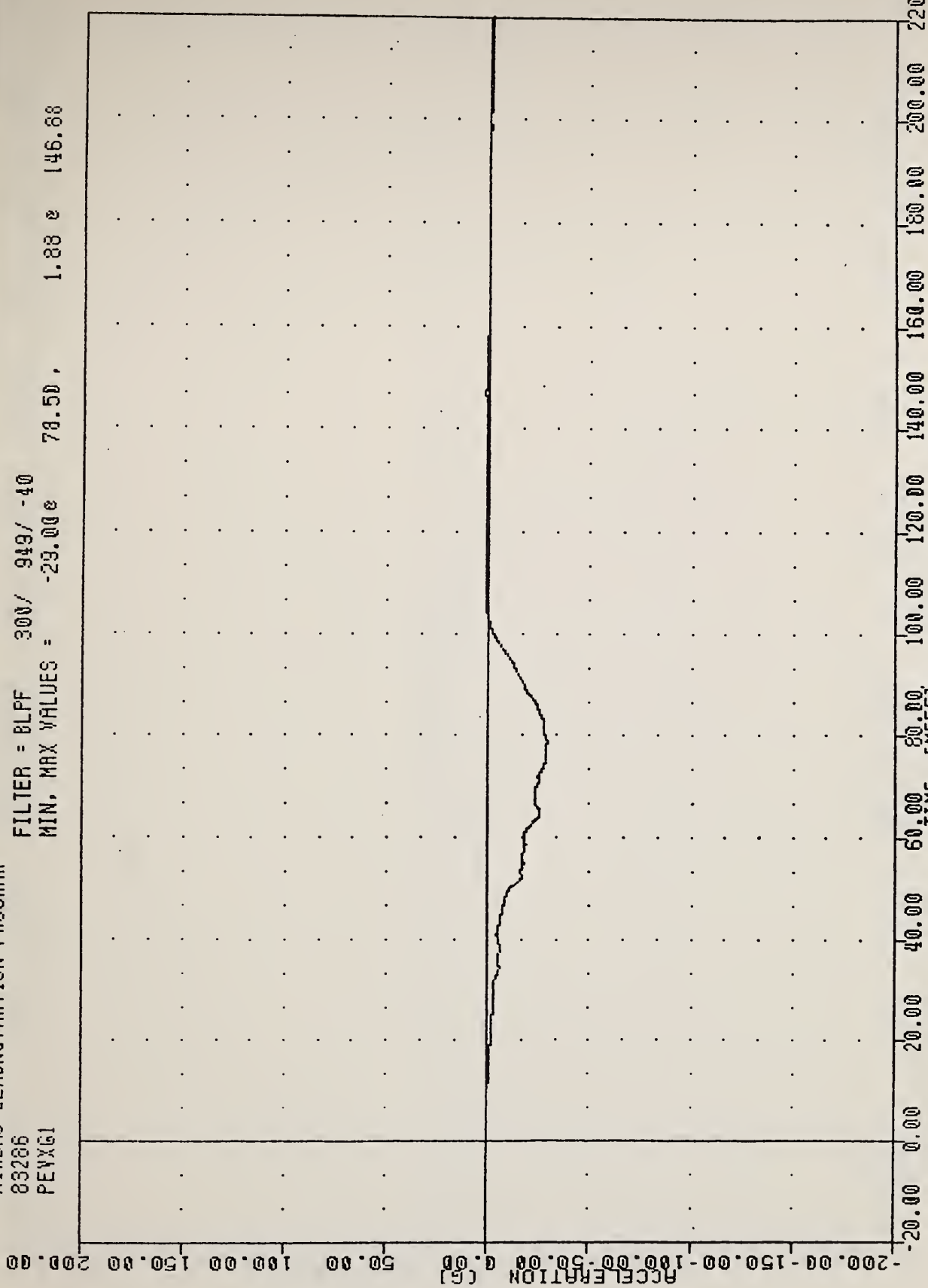
83286

PEYXG1

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -29.00e 78.50 ,

1.88 e 146.68



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83286

PEVY61

FILTER = BLPF 300/ 949/ -40

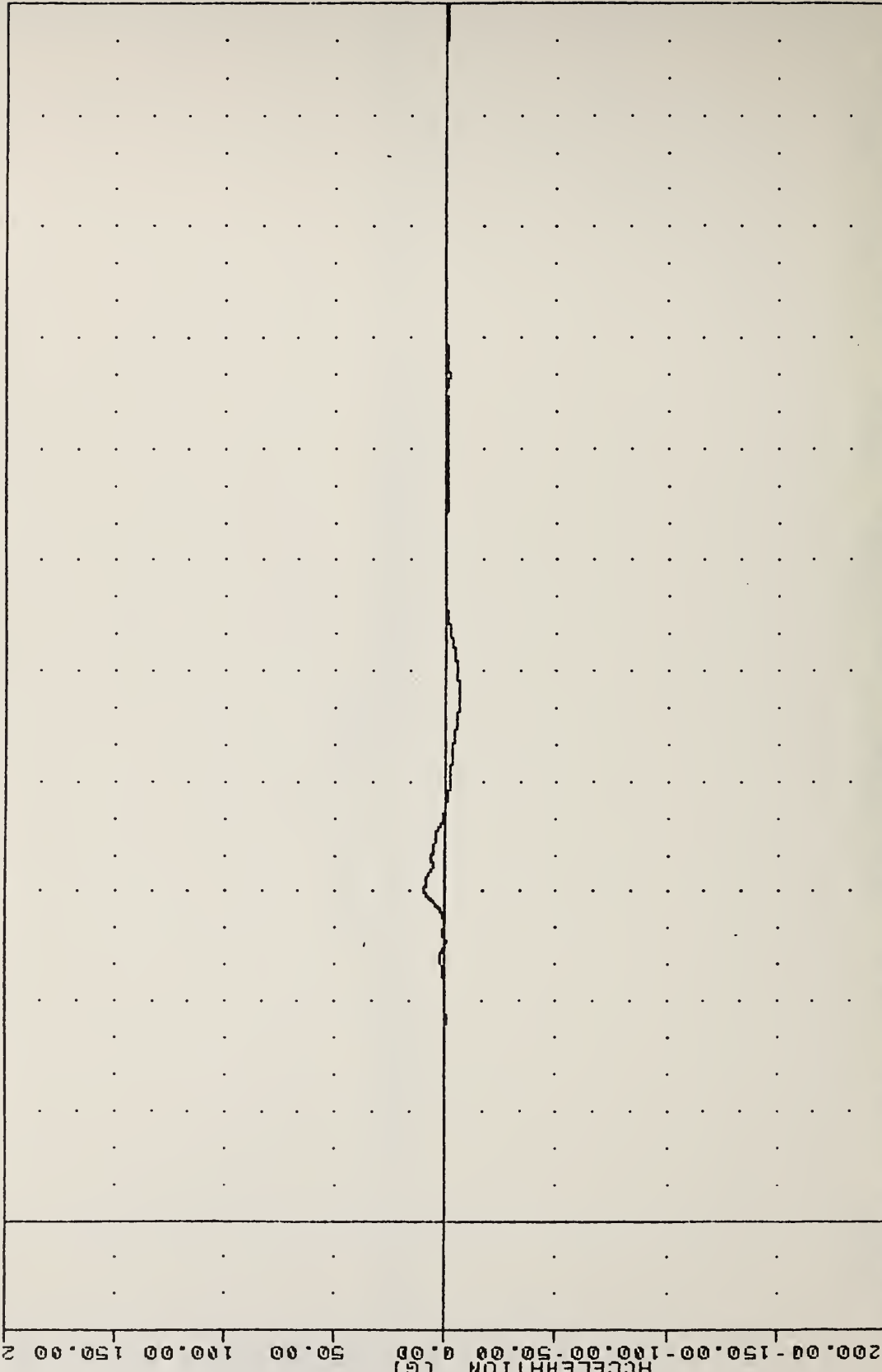
MIN, MAX VALUES = -6.120

96.38 ,

9.73 e

60.25

200.00



AIRBAG DEMONSTRATION PROGRAM

PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

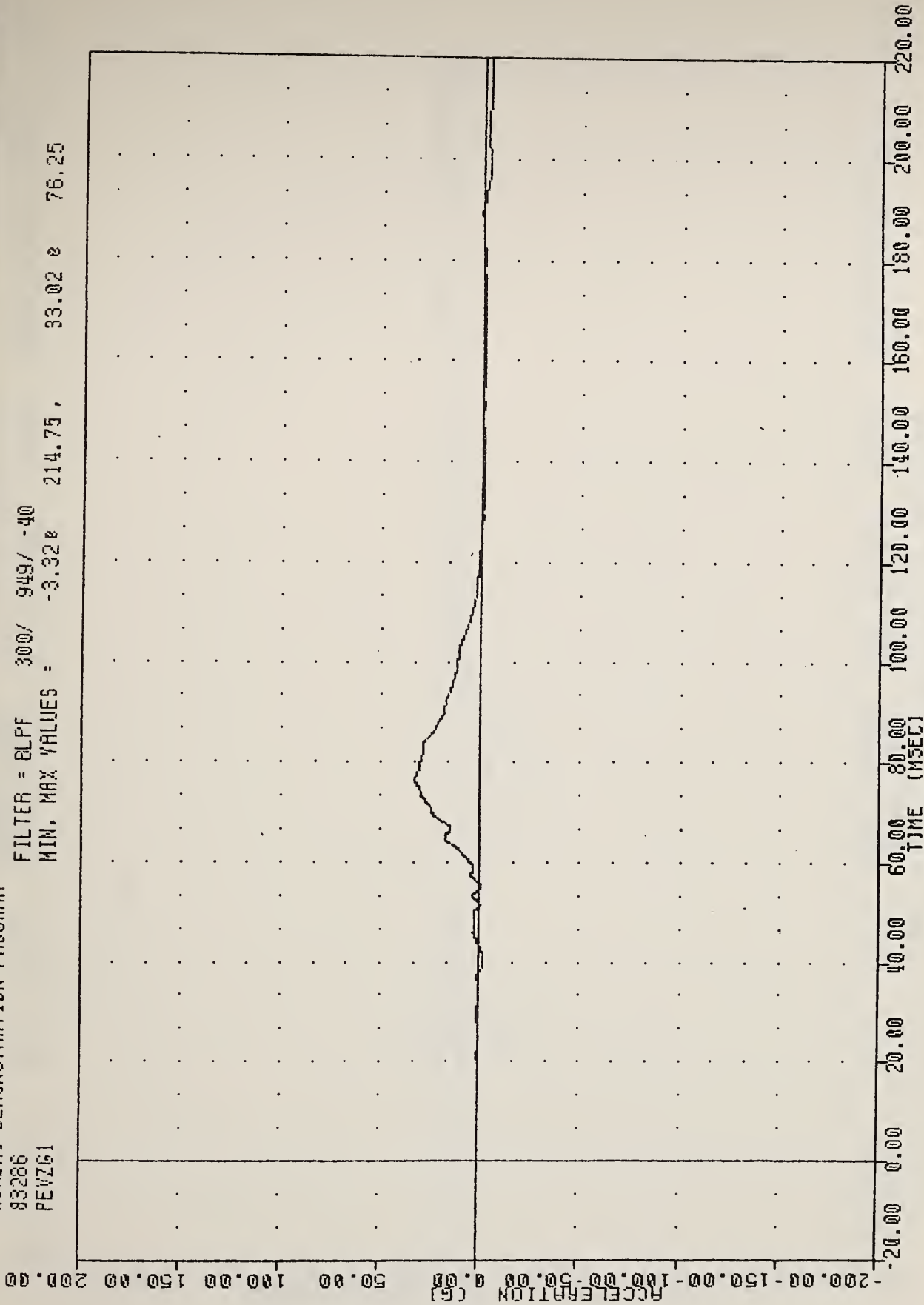
AIRBAG DEMONSTRATION PROGRAM

83286

PEVZ61

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -3.32e 214.75, 33.02 e 76.25

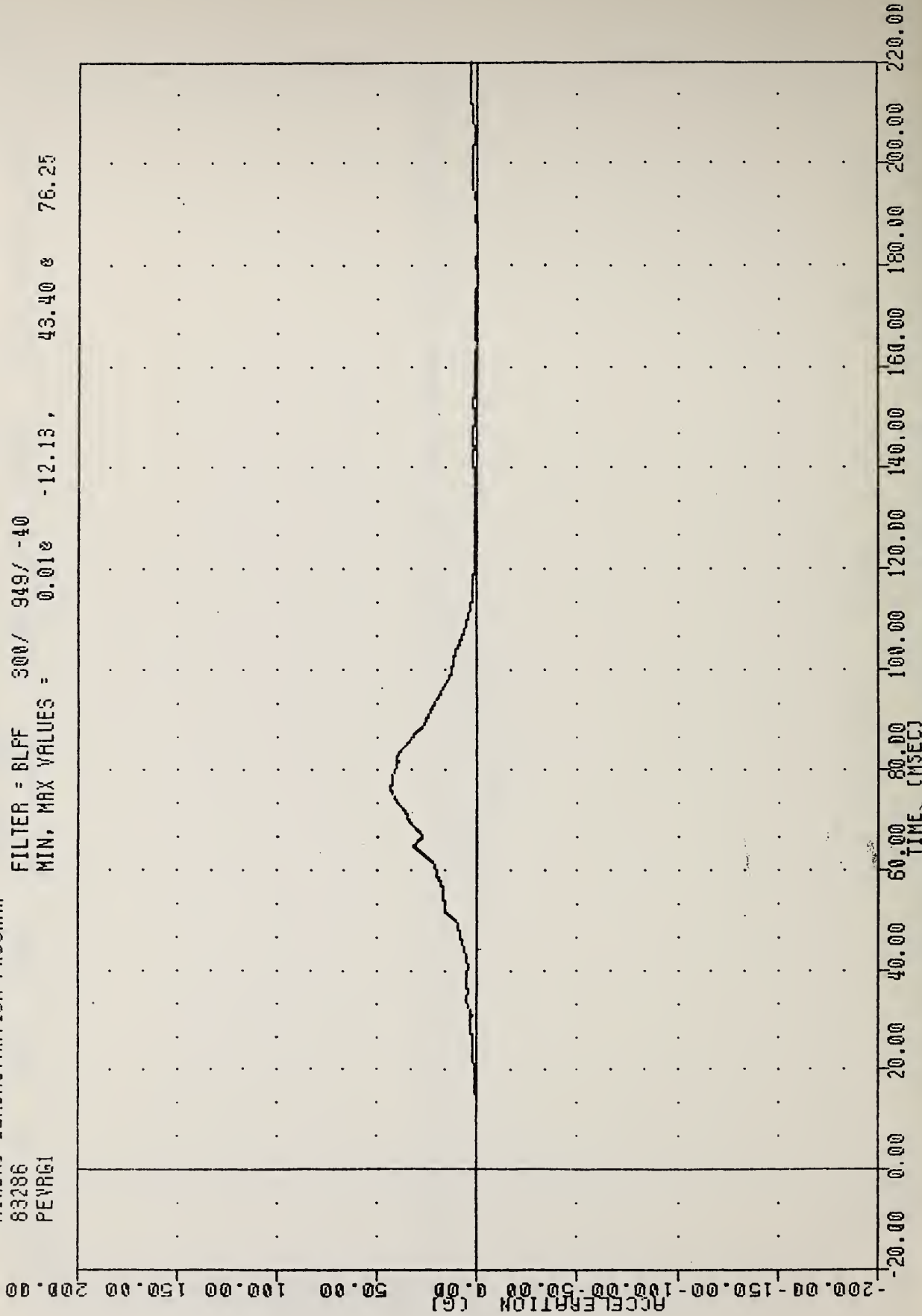


AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83286
PEYRC1

FILTER = BLFF 300/ 949/ -40
MIN, MAX VALUES = 0.01e -12.13, 43.40 e 76.25

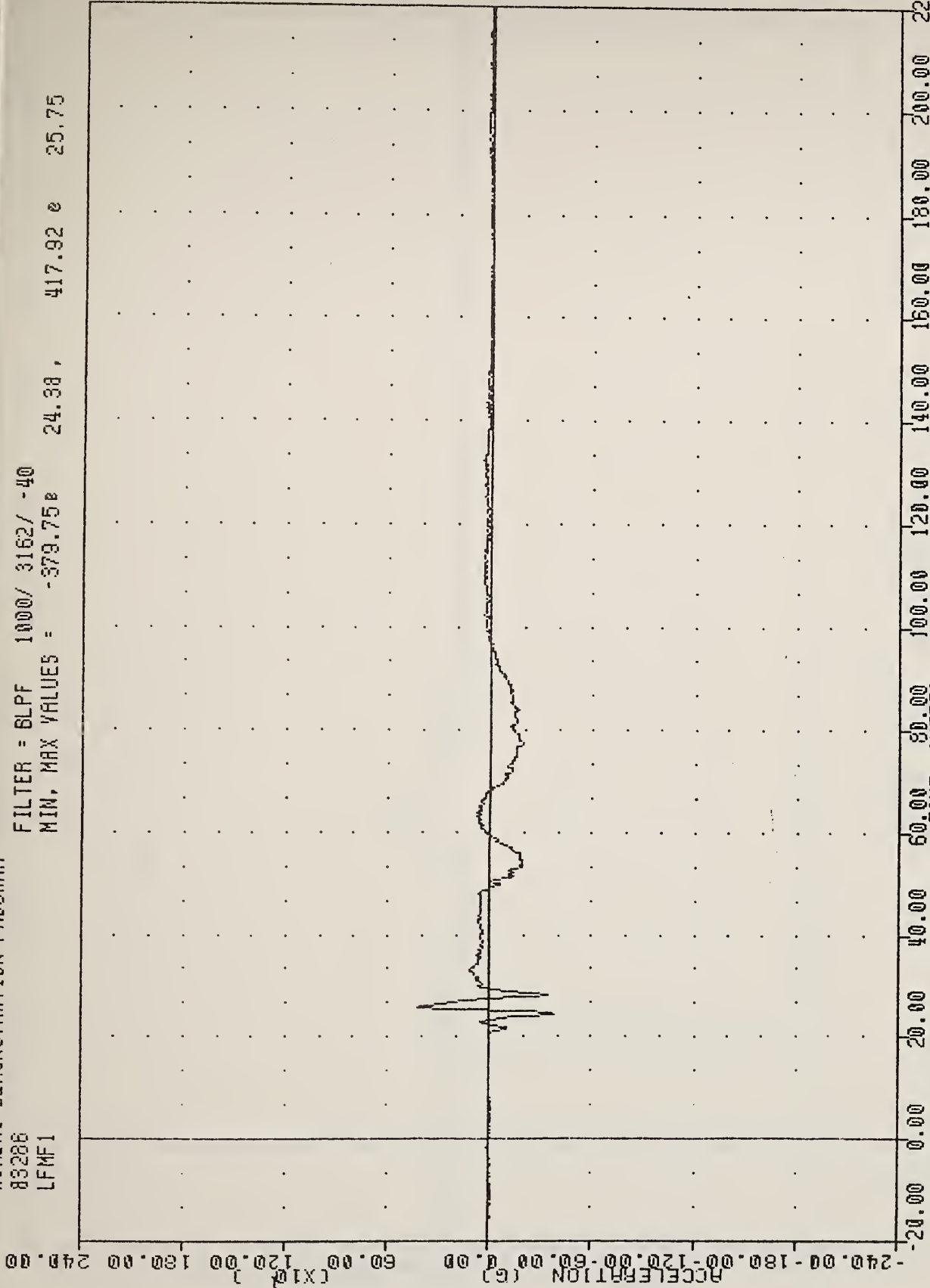


AIRBAG DEMONSTRATION PROGRAM

83286
LFMF1

FILTER = BLPF 1000/ 3162/ -40

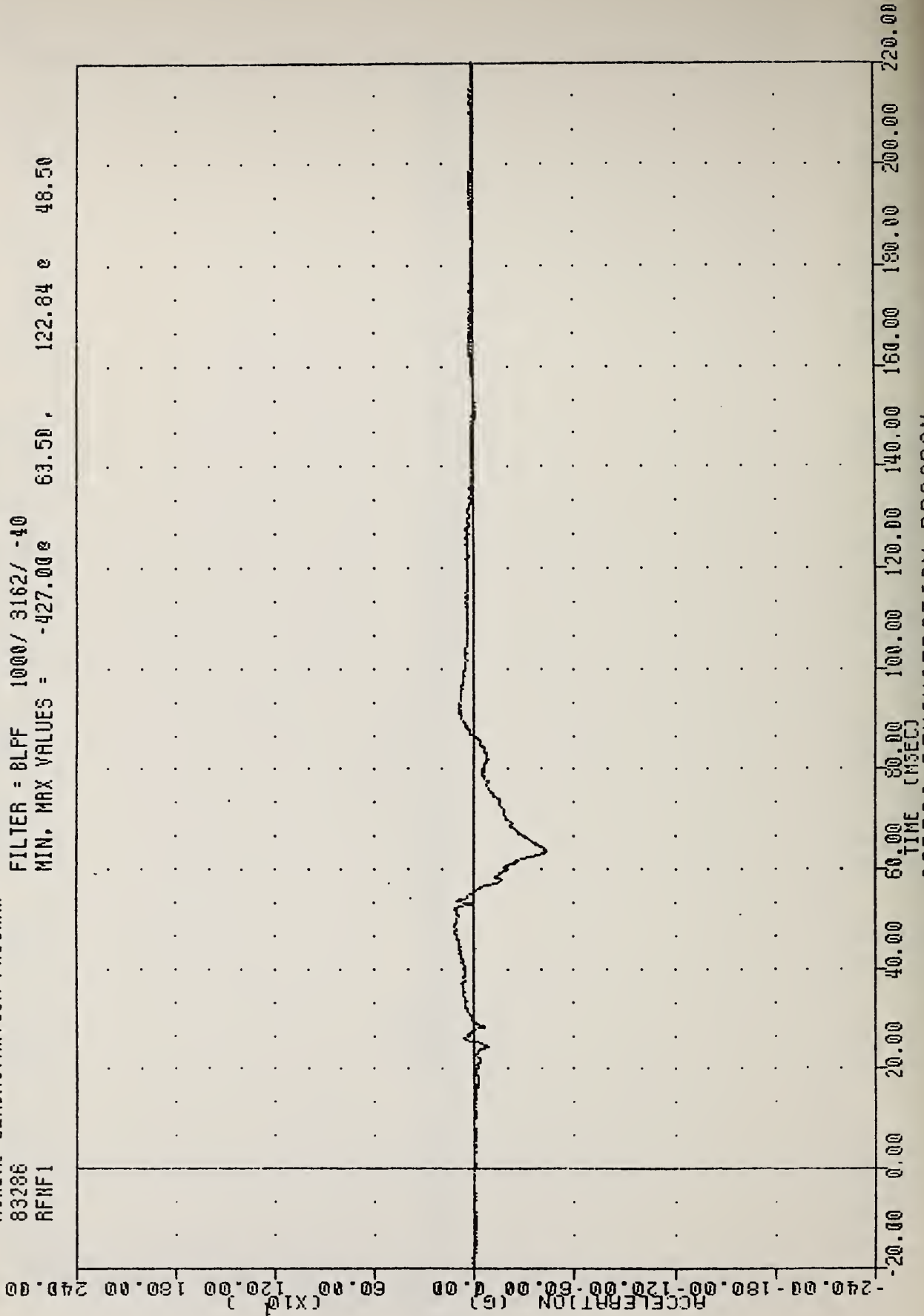
MIN, MAX VALUES = -379.75e 24.38, 417.92 e 25.75



AIRBAG DEMONSTRATION PROGRAM
LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83286
AFNF1

FILTER = BLFF 1000/ 3162/ -40
MIN. MAX VALUES = -427.00g 63.50 , 122.84 e 48.50



AIRBAG DEMONSTRATION PROGRAM
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

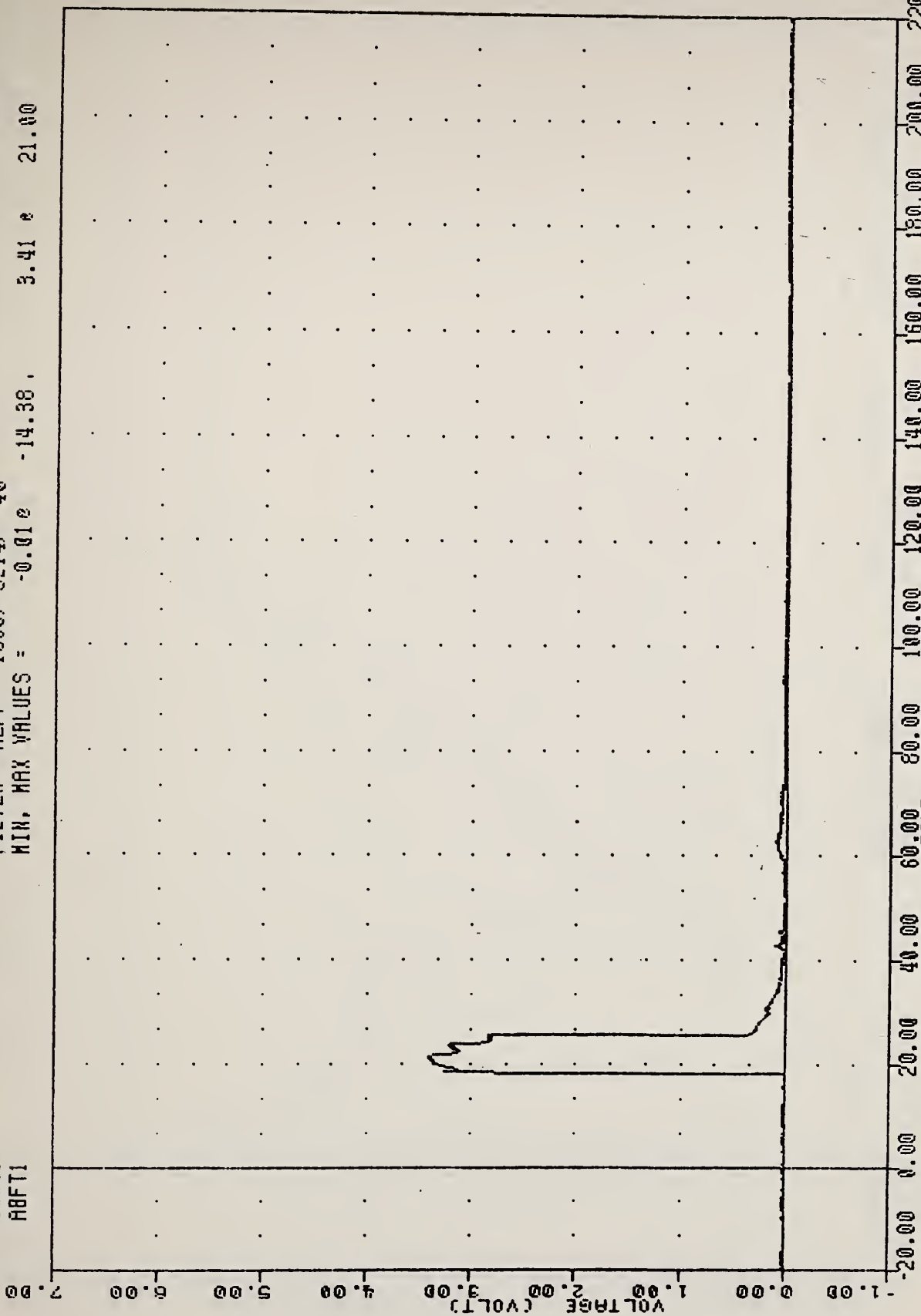
AIRBAG DEMONSTRATION PROGRAM

83286

ABFT1

FILTER = ALFF 1650/ 5214/ -40

MIN, MAX VALUES = -0.01e -14.58 , 3.41 e 21.00



-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)

AIRBAG DEMONSTRATION PROGRAM
AIR BAG FIRING EVENT 50TH PERCENTILE

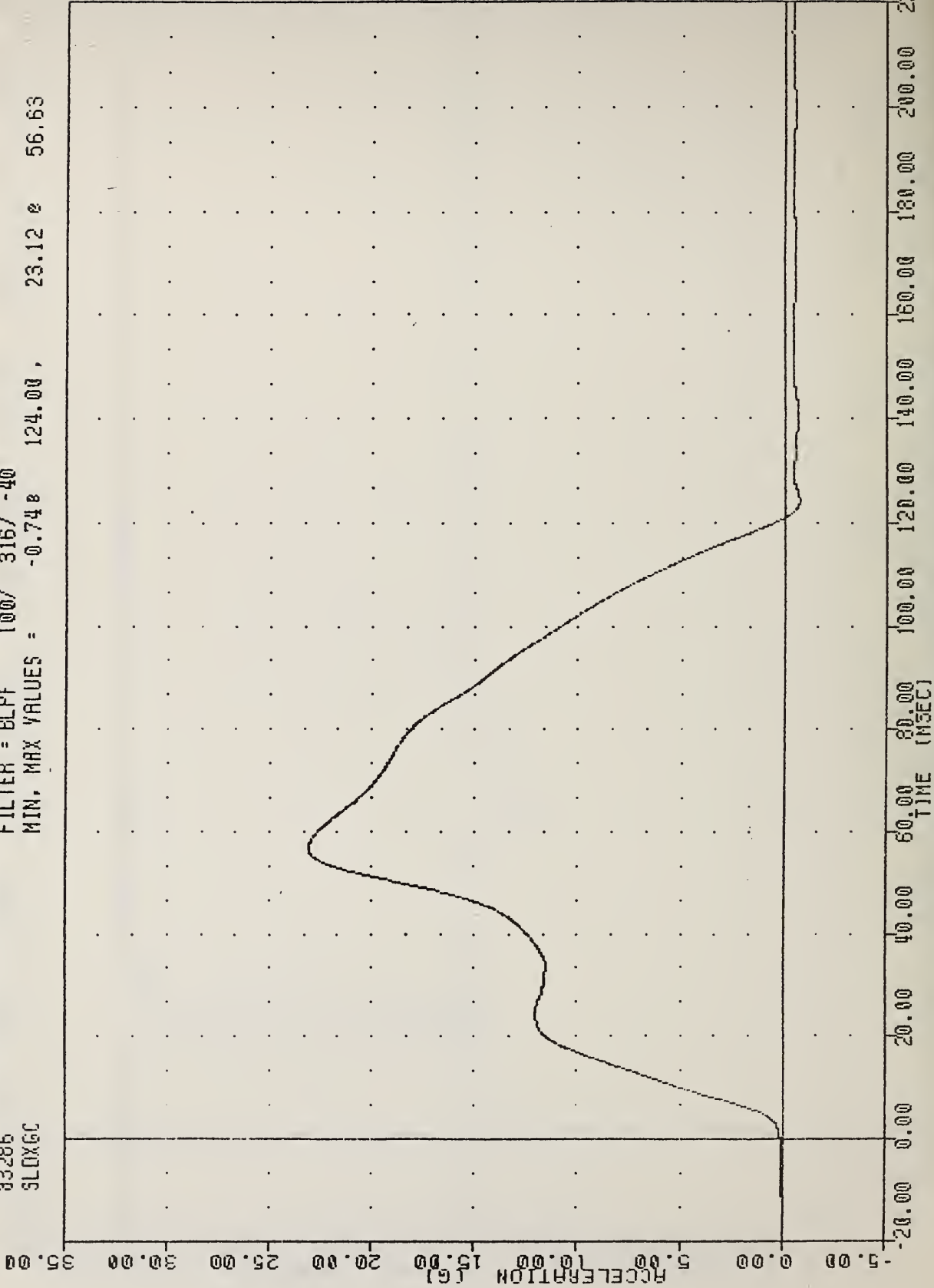
AIRBAG DEMONSTRATION PROGRAM

83286

SLOXGC

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.74g 124.00, 23.12g 56.63

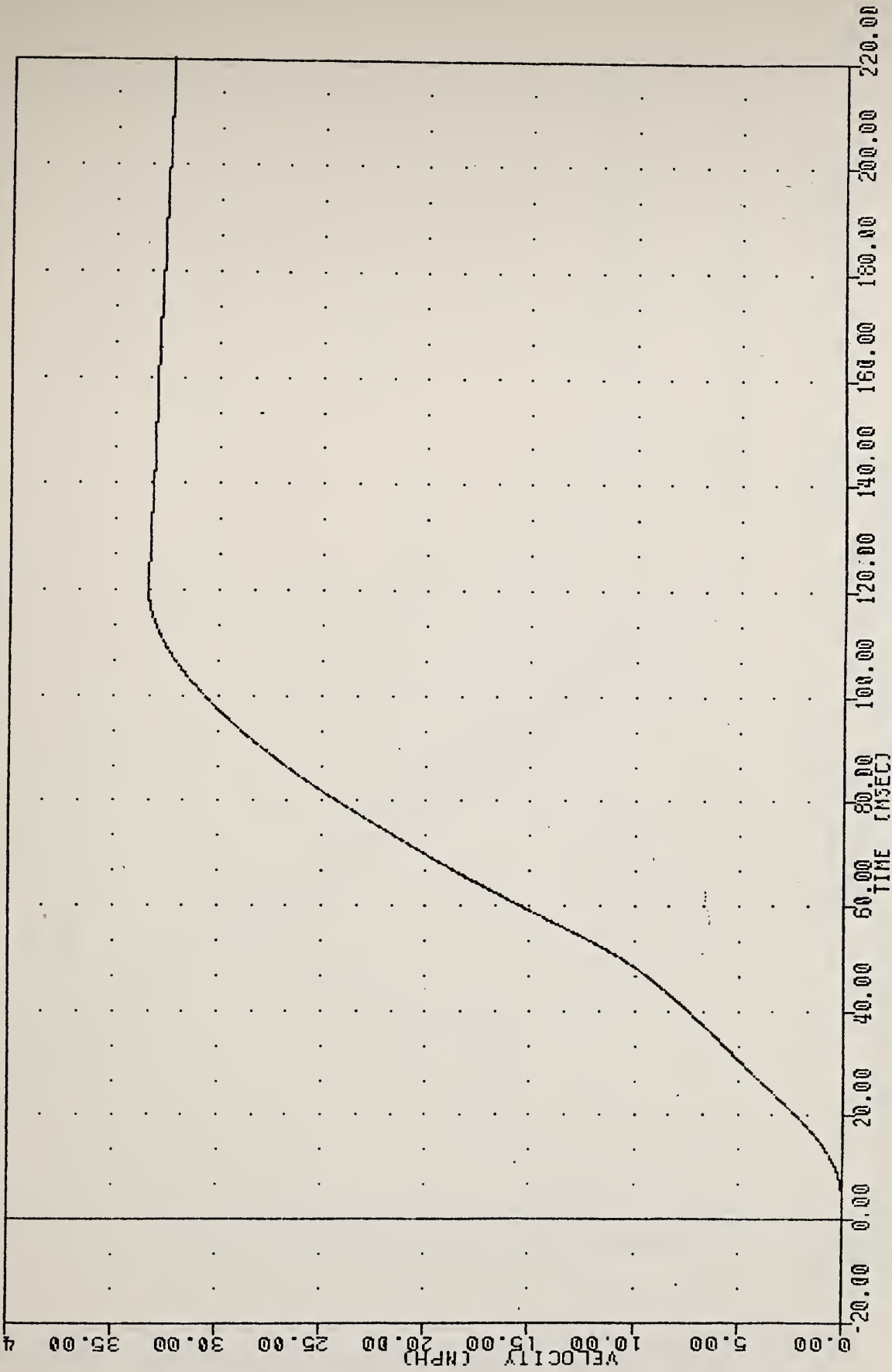


AIRBAG DEMONSTRATION PROGRAM
SLED ACCELERATION

AIRBAG DEMONSTRATION PROGRAM

83286
SLOXYC

FILTER = 8LFF 100/ 316/ -40
MIN. MAX VALUES = -0.04e -12.36, 33.39 e 120.75



AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM

83286

SLOXY

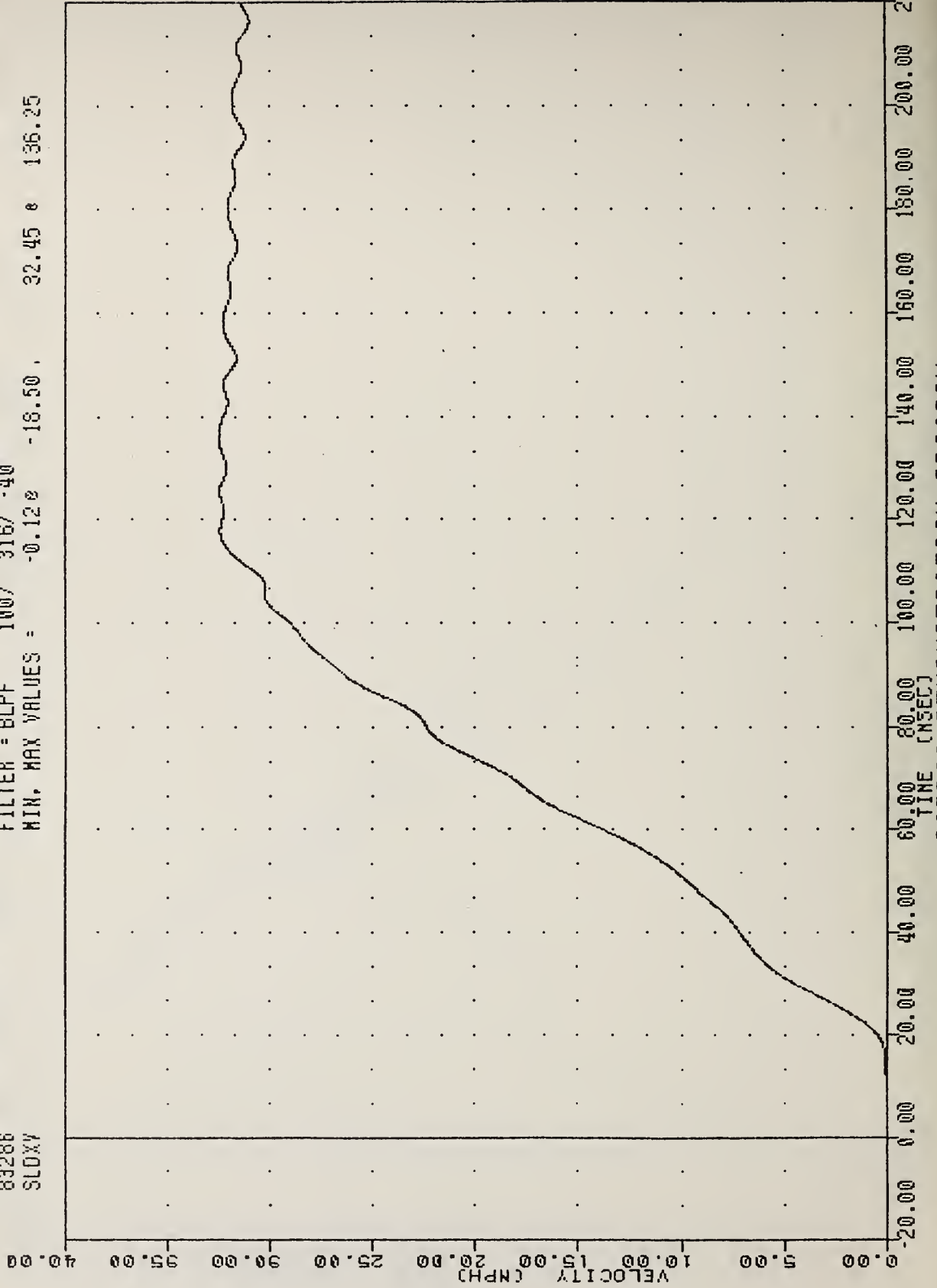
FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.12e

-18.50,

32.45 e

136.25



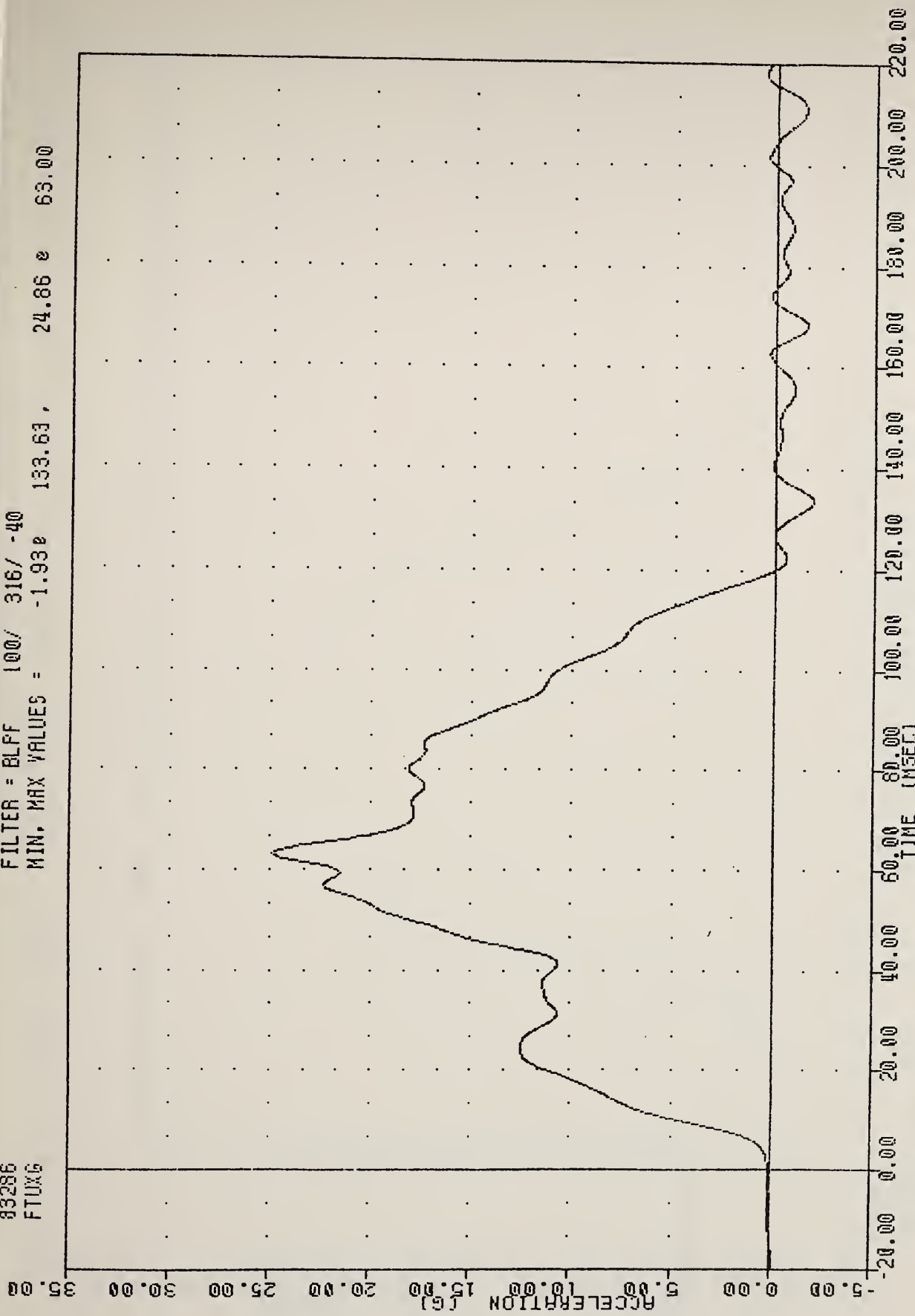
AIRBAG DEMONSTRATION PROGRAM

SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM

93286
FTUXG

FILTER = BLFF 100/ 316/ -40
MIN. MAX VALUES = -1.93e 133.63 , 24.86 e 63.00



AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

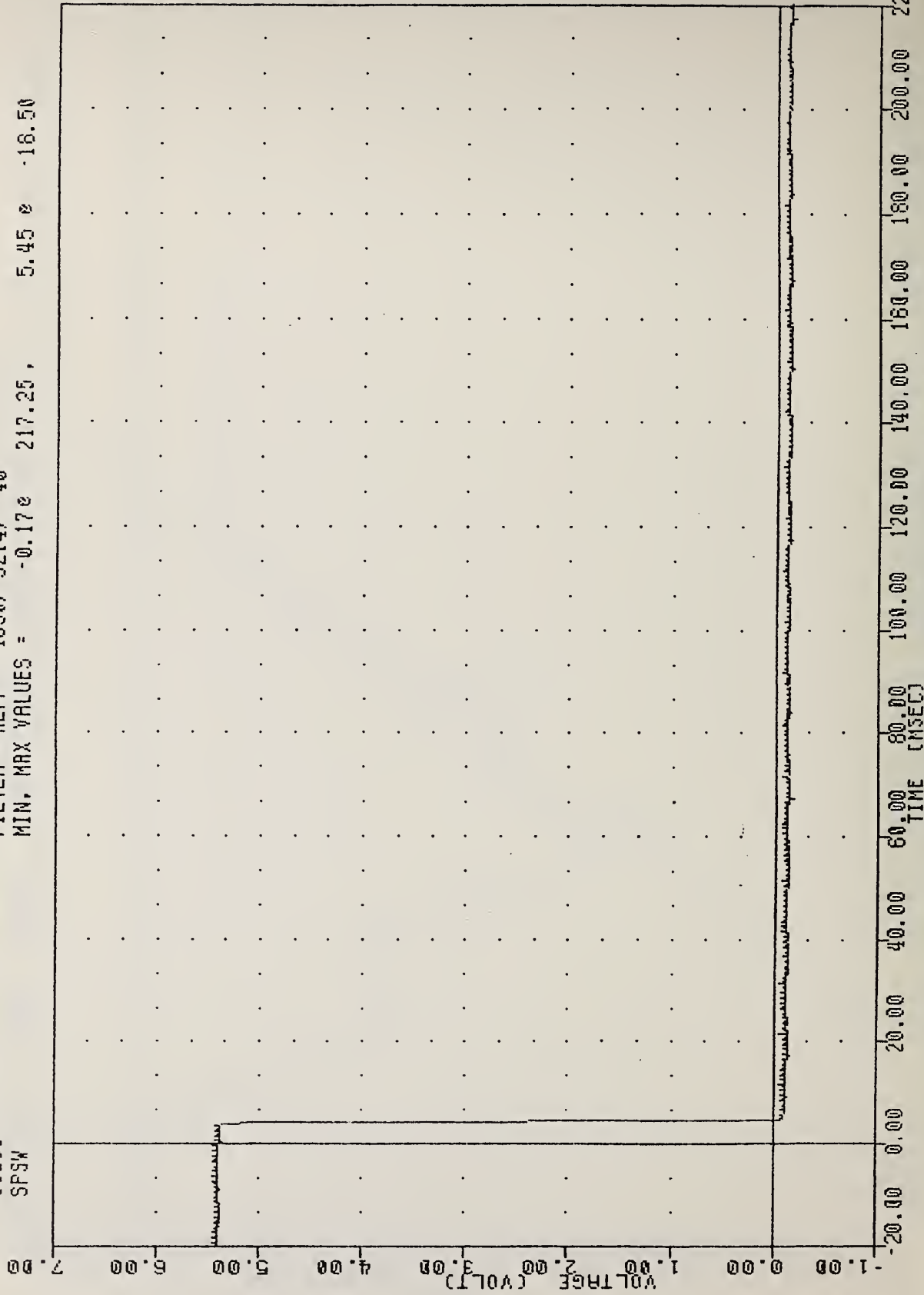
AIRBAG DEMONSTRATION PROGRAM

83286

SPSW

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -0.17e 217.25, 5.45 e -16.50



AIRBAG DEMONSTRATION PROGRAM
SLED POSITION SWITCH

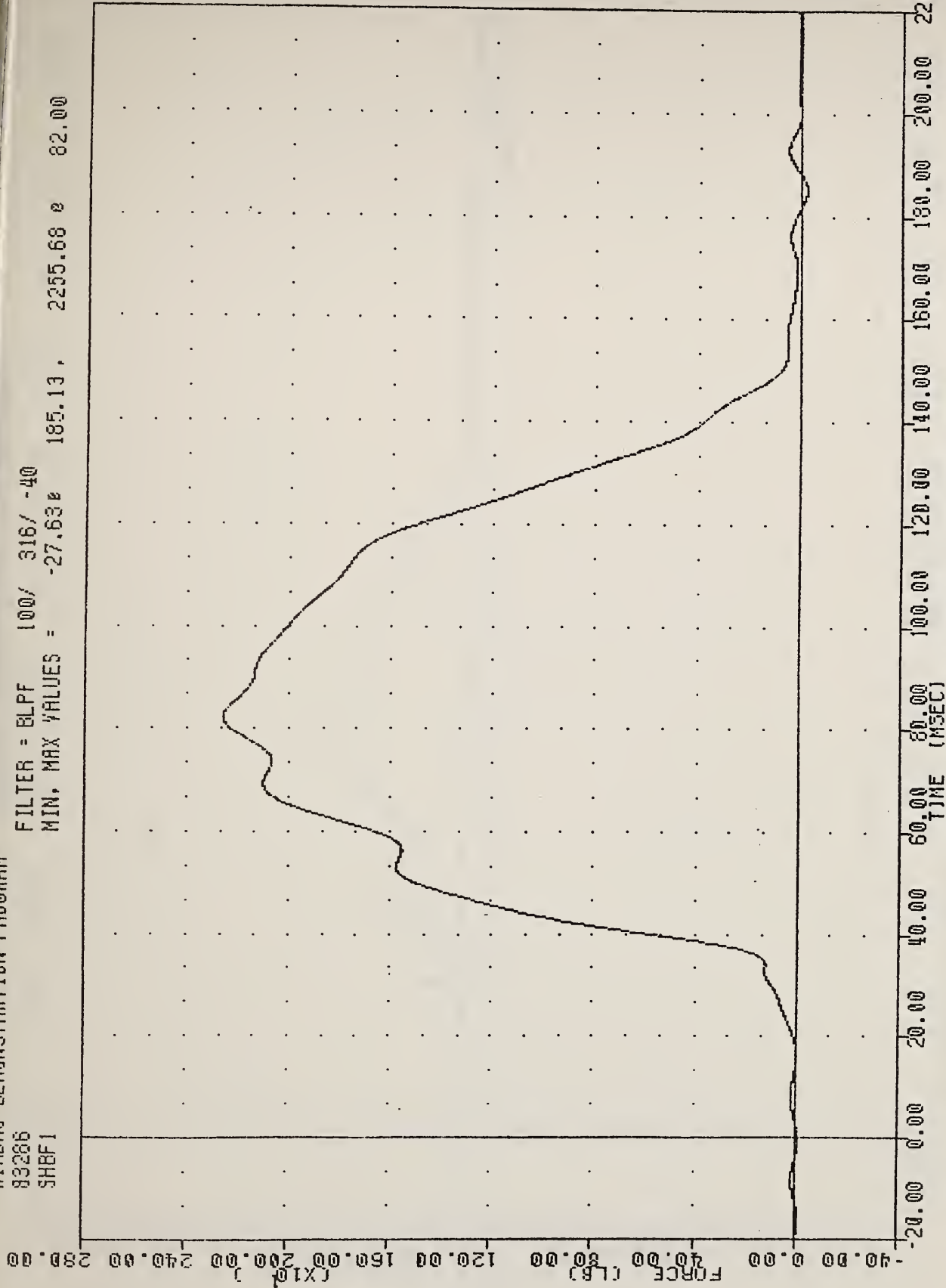
AIRBAG DEMONSTRATION PROGRAM

83286

SHBF1

FILTER = BLPF 100/ 316/ -40

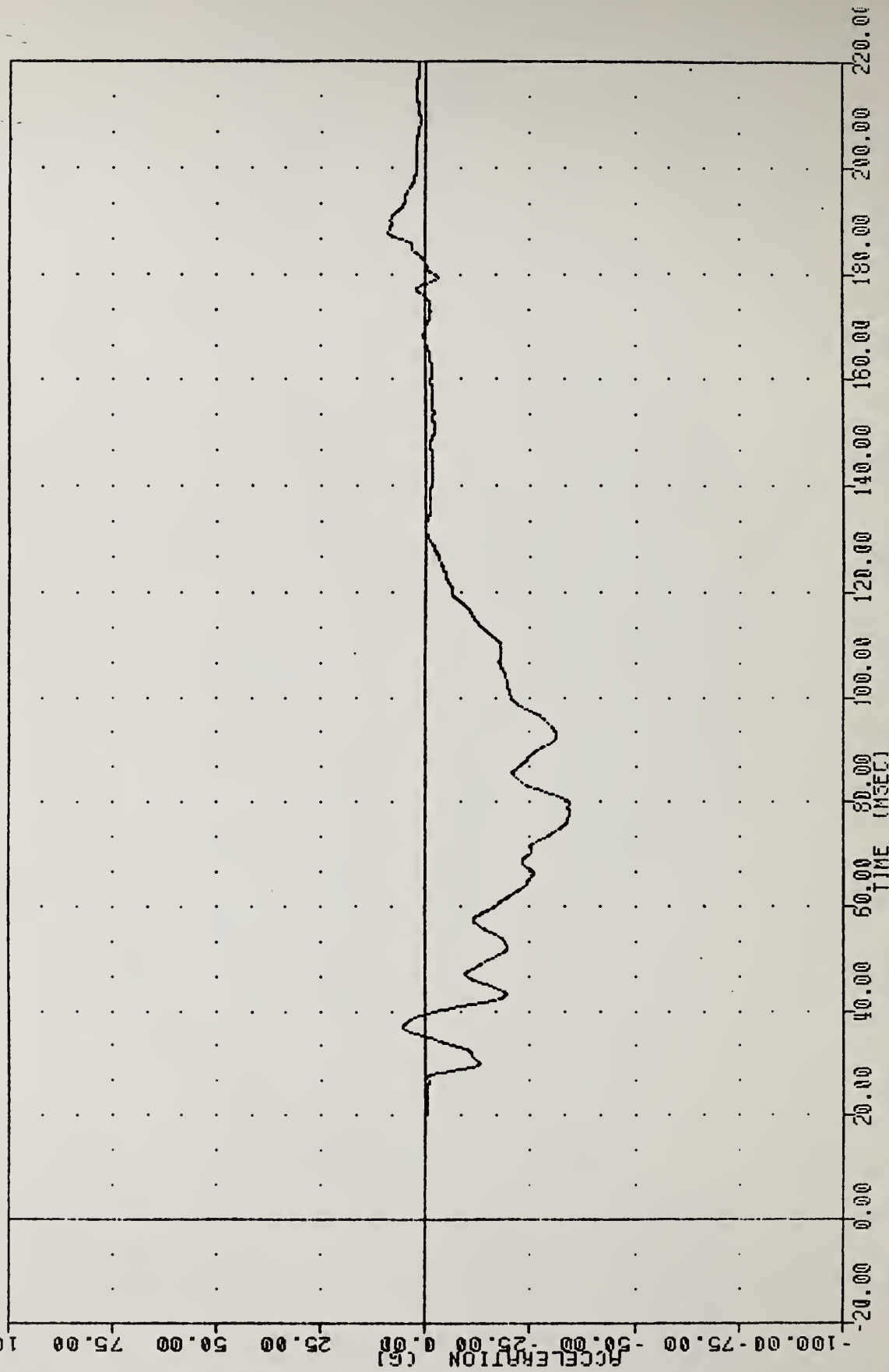
MIN. MAX VALUES = -27.63e 185.13, 2255.68 e 82.00



AIRBAG DEMONSTRATION PROGRAM
SHOULDER BELT FORCE 50TH PERCENTILE

83286
CSTXG1

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -34.24e 79.63, 9.04 e 187.75



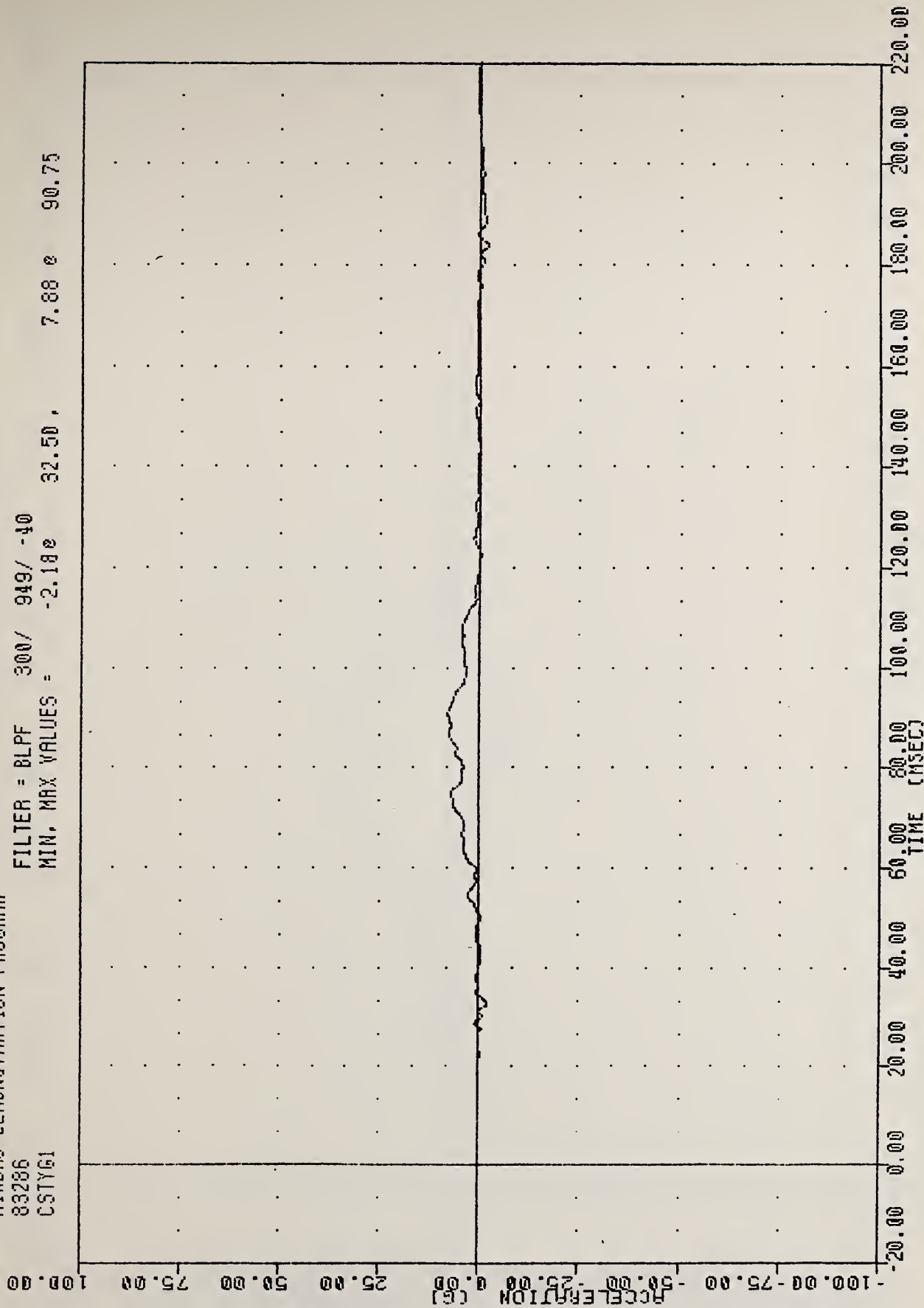
AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 50TH PERCENTILE

VRIC , RD583-2-04
AIRBAG DEMONSTRATION PROGRAM
83286
CSTY61

PLOT DATE 13-OCT-83 14:17:04

FILTER = BLPF 300/ 949/ -40

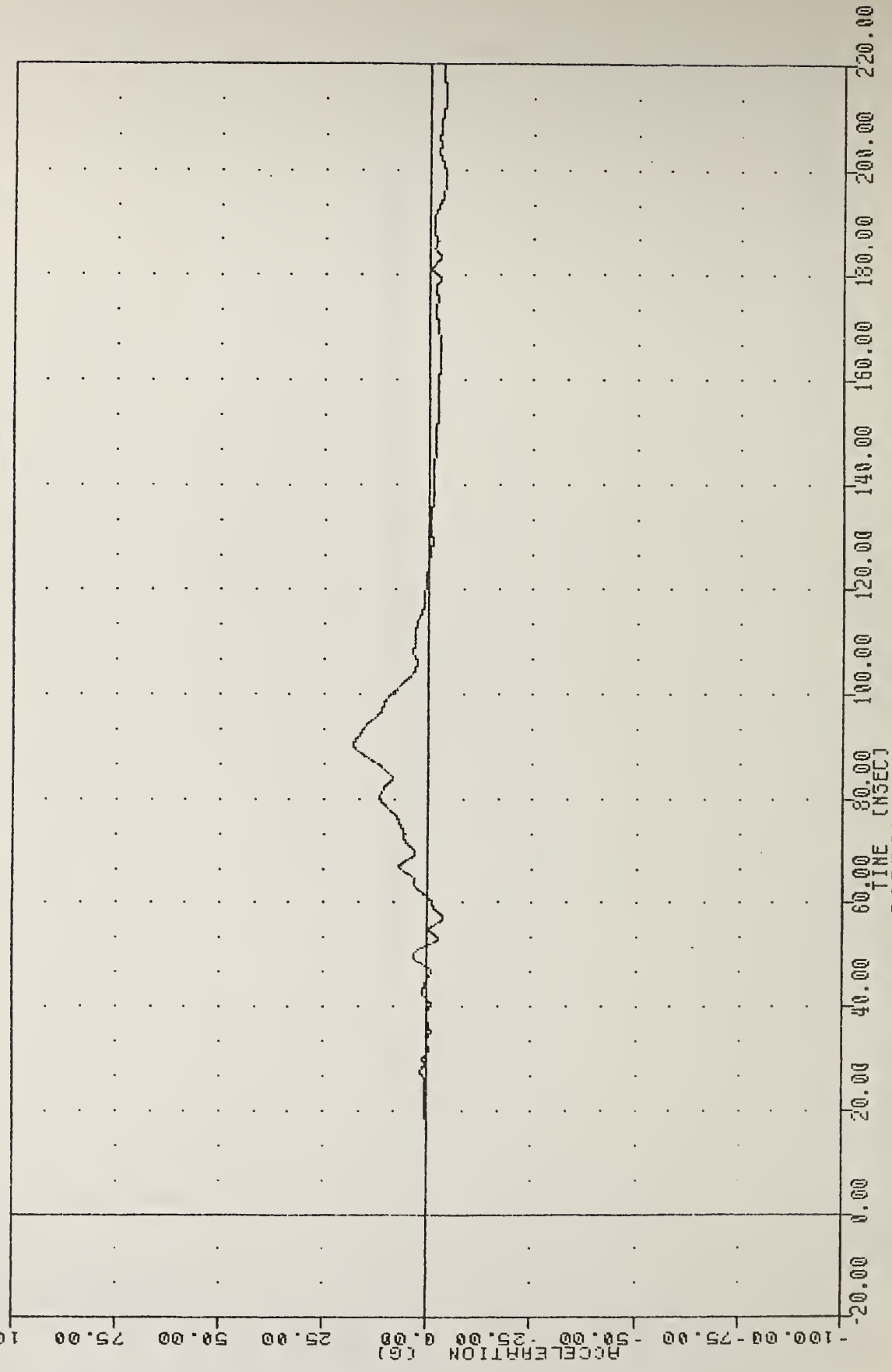
MIN. MAX VALUES = -2.18e 32.50 , 7.88 e 90.75



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83286
CSTZ61

FILTER = BLPF 300/ -40
MIN. MAX VALUES = -3.82e 18.14 e 90.25



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

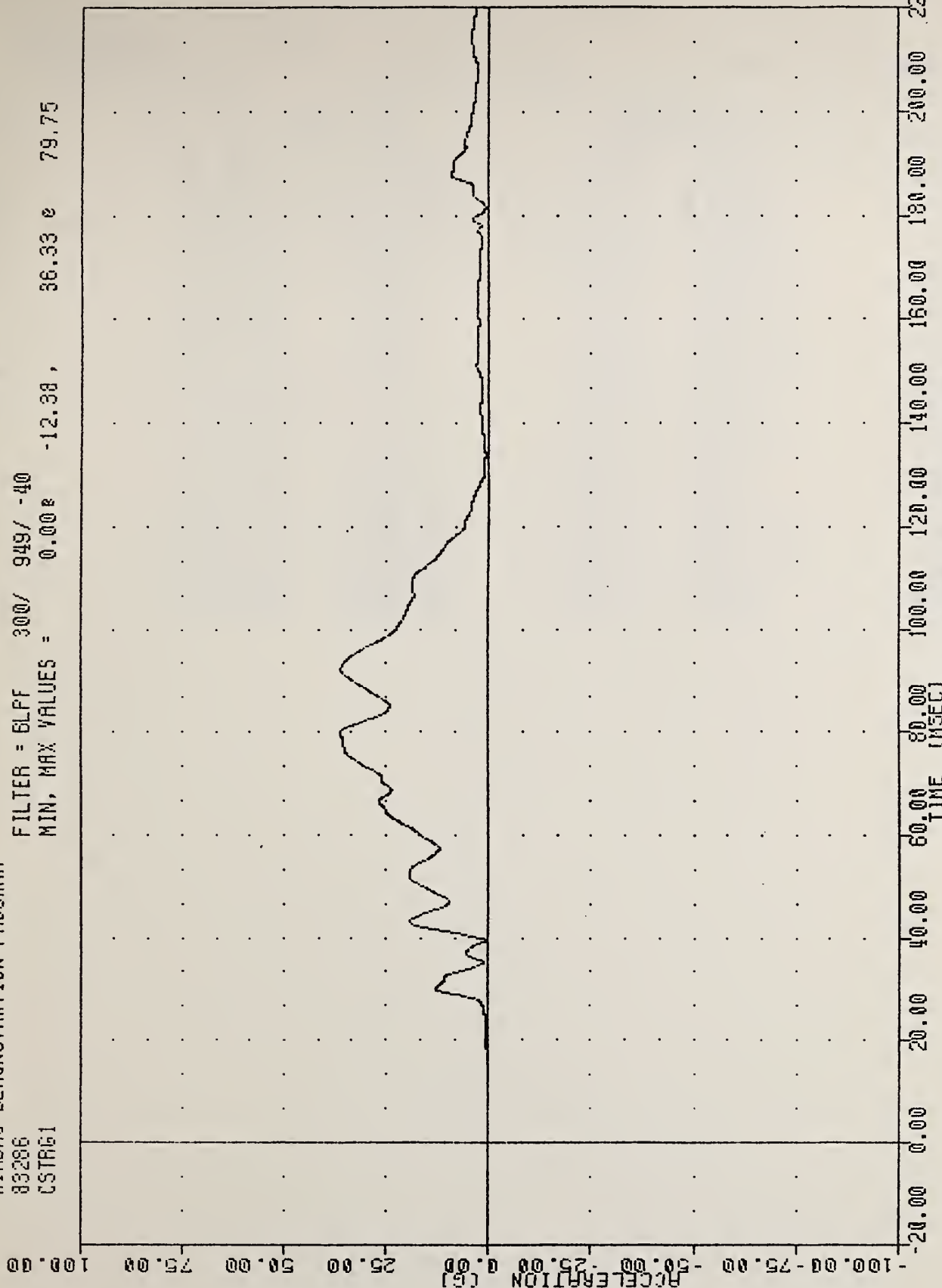
AIRBAG DEMONSTRATION PROGRAM

83286

CSTRG1

FILTER = 6LFF 300/ 949/ -40

MIN, MAX VALUES = 0.00E -12.38 , 36.33 E 79.75



AIRBAG DEMONSTRATION PROGRAM

CHEST RESULTANT ACCELERATION 50TH PERCENTILE

DEMONSTRATION PROGRAM

0.0 mph

83287

VRTC

RD583-2-05

14-OCT-83 16:06:49

	Min value		Max value		Uni
SPSW	-0.173 @ 100.000		5.690 @ -11.625	msec	volt
SLDXGC	-0.960 @ 124.000		23.458 @ 57.375	msec	g
SLDXVC	-0.007 @ -12.750		33.490 @ 120.500	msec	mph
SLDXV	-0.019 @ -9.750		32.512 @ 125.125	msec	mph
FTUXG	-2.251 @ 122.500		26.048 @ 56.500	msec	g
ABFT1	-0.070 @ -10.625		3.531 @ 21.375	msec	volt
HEDXG1	-48.410 @ 98.375		9.573 @ 249.375	msec	g
HEDXV1	-43.509 @ 184.250		0.025 @ 30.125	msec	mph
HEDYG1	-10.875 @ 92.375		4.503 @ 60.875	msec	g
HEDZG1	-26.962 @ 94.125		16.383 @ 79.875	msec	g
CSTXG1	-43.484 @ 98.000		8.678 @ 204.750	msec	g
CSTXV1	-41.771 @ 134.875		0.002 @ 19.125	msec	mph
CSTYG1	-5.609 @ 92.000		4.135 @ 211.500	msec	g
CSTZG1	-6.817 @ 111.375		19.117 @ 83.500	msec	g
PEVXG1	-66.866 @ 74.625		3.129 @ 298.375	msec	g
PEVYG1	-3.504 @ 45.000		4.910 @ 78.750	msec	g
PEVZG1	-4.516 @ 113.000		28.252 @ 88.875	msec	g
CSTXD	-0.004 @ 22.375		0.566 @ 109.375	msec	g
LFMF1	-1667.878 @ 75.625		585.869 @ 26.125	msec	g
RFMF1	-1705.760 @ 79.625		92.966 @ 26.125	msec	g
HEDRG1	0.020 @ -22.000		55.037 @ 94.125	msec	g
CSTRG1	0.004 @ -4.250		43.494 @ 98.000	msec	g
PEVRG1	0.011 @ -12.750		72.015 @ 74.625	msec	g

* * * HIC computation for TRC213I 14-OCT-83 16:12:00

HEDRG1 VRTC RD583-2-05 83287 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 55.04 @ 94.125

HIC = 438.95 Interval from 78.250 [803] to 114.625 [1094]

HIC = 285.94 Interval from 89.500 [893] to 104.500 [1013]

Elapsed time = 12.46 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

AIRBAG DEMONSTRATION PROGRAM

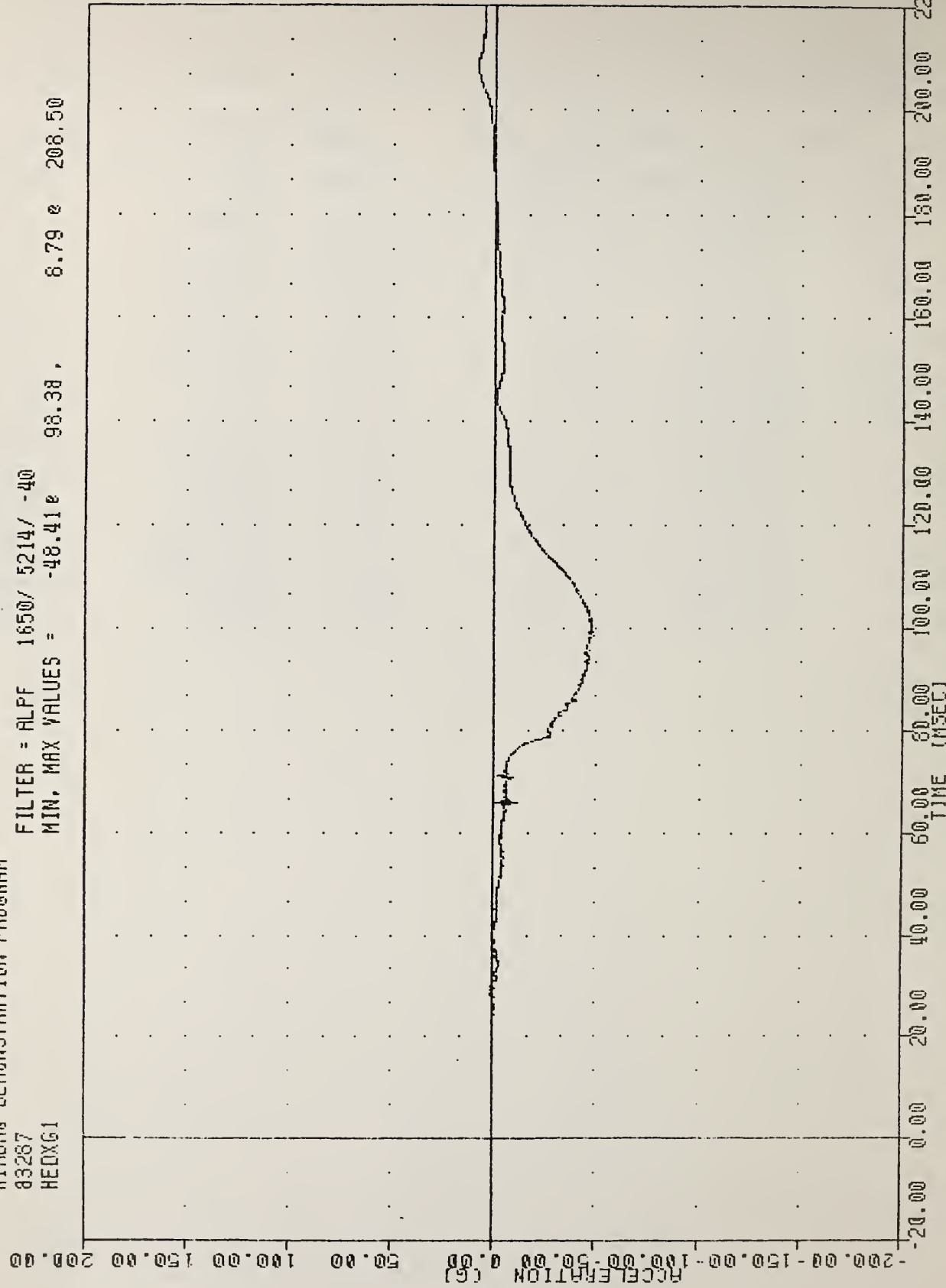
83267

HEADX61

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -48.41e

98.38 , 6.79 e 208.50



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

63267

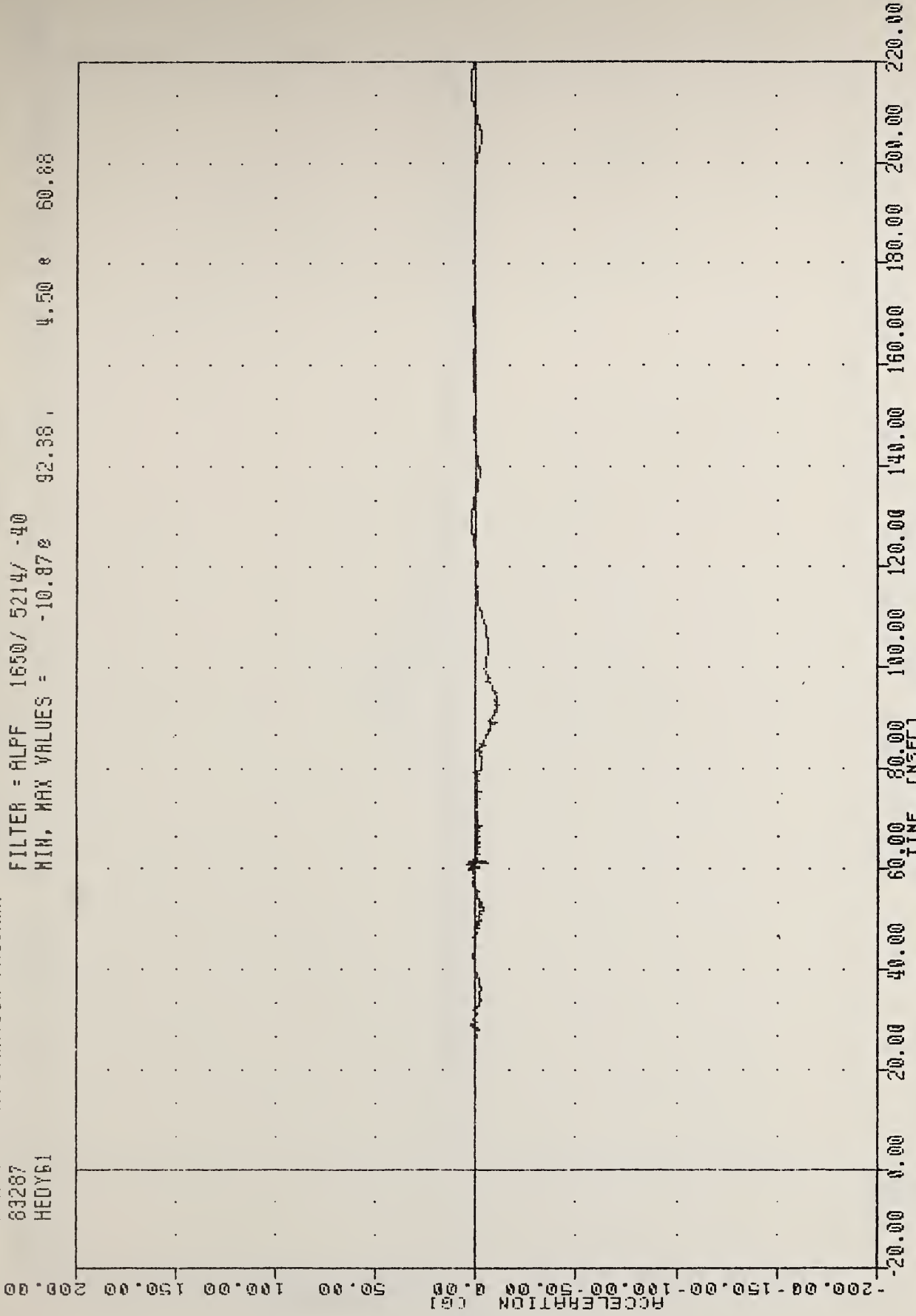
HEADY61

FILTER = ALPF 1650 / 5214 / -40

MIN. MAX VALUES = -10.87e

4.50 e

60.88

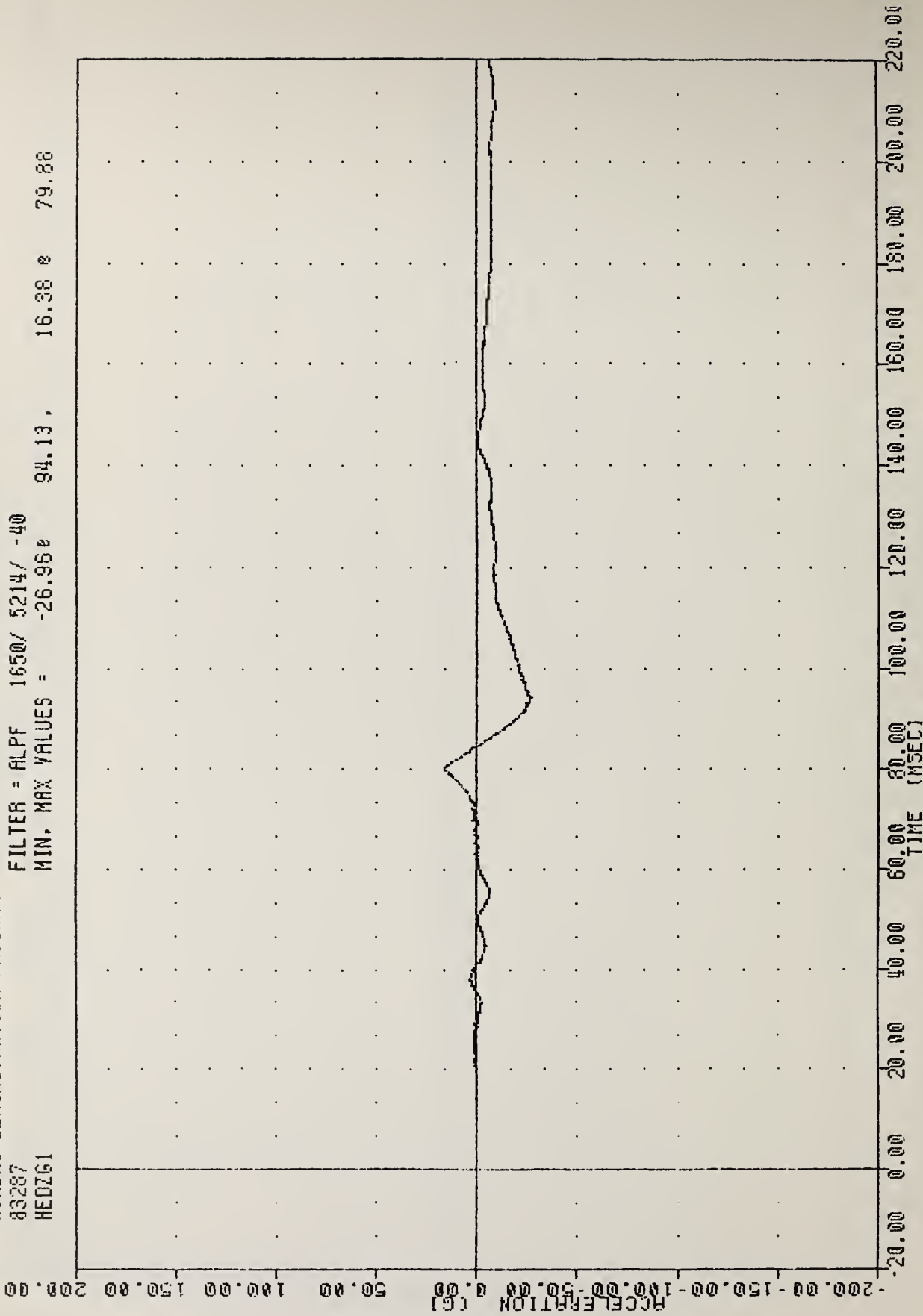


AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83287
HEDZ61

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -26.96e 94.13, 16.38 e 79.86



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Z AXIS 50TH PERCENTILE

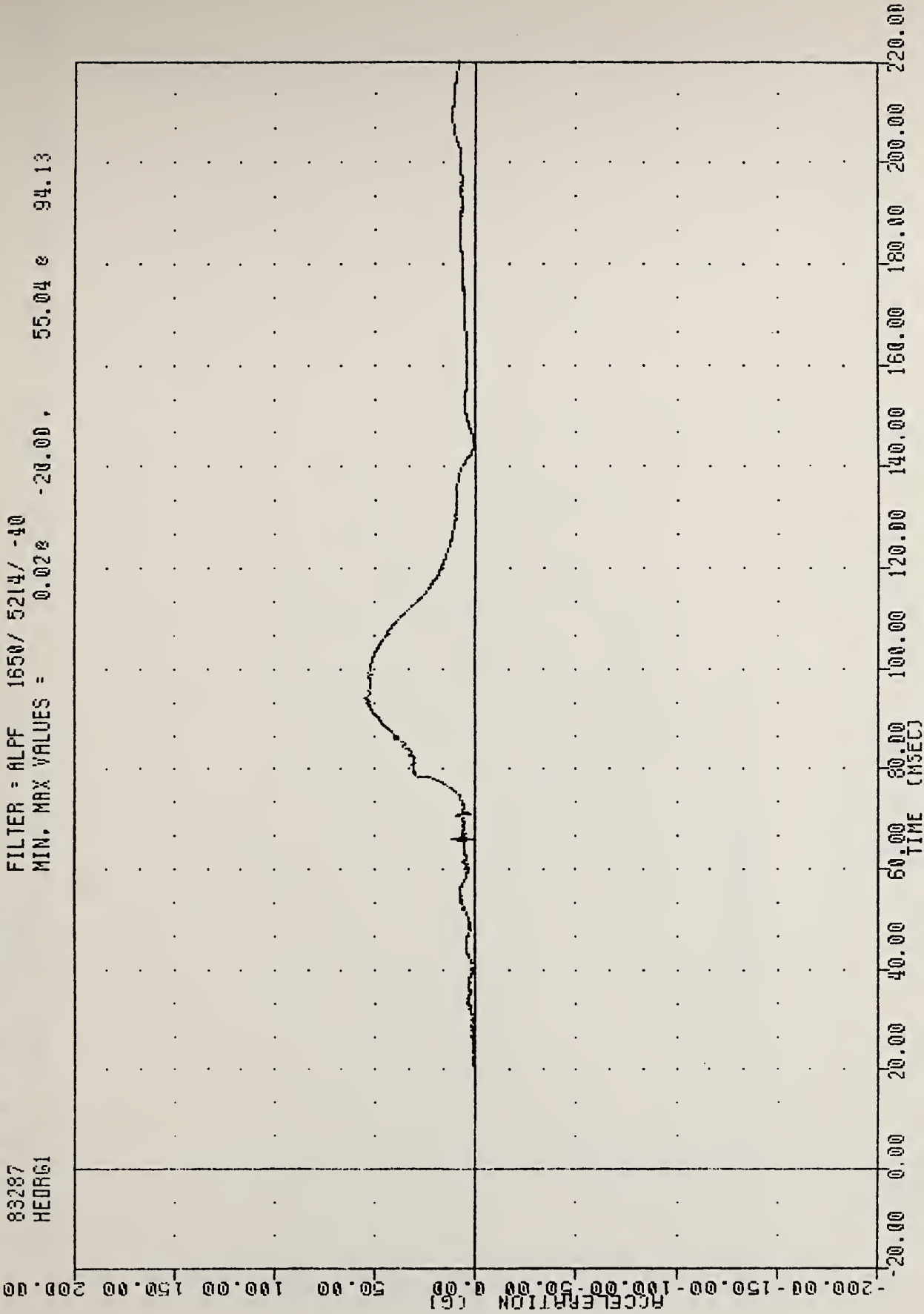
AIRBAG DEMONSTRATION PROGRAM

83287

HEADG1

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.028 -20.00, 55.04 e 94.13

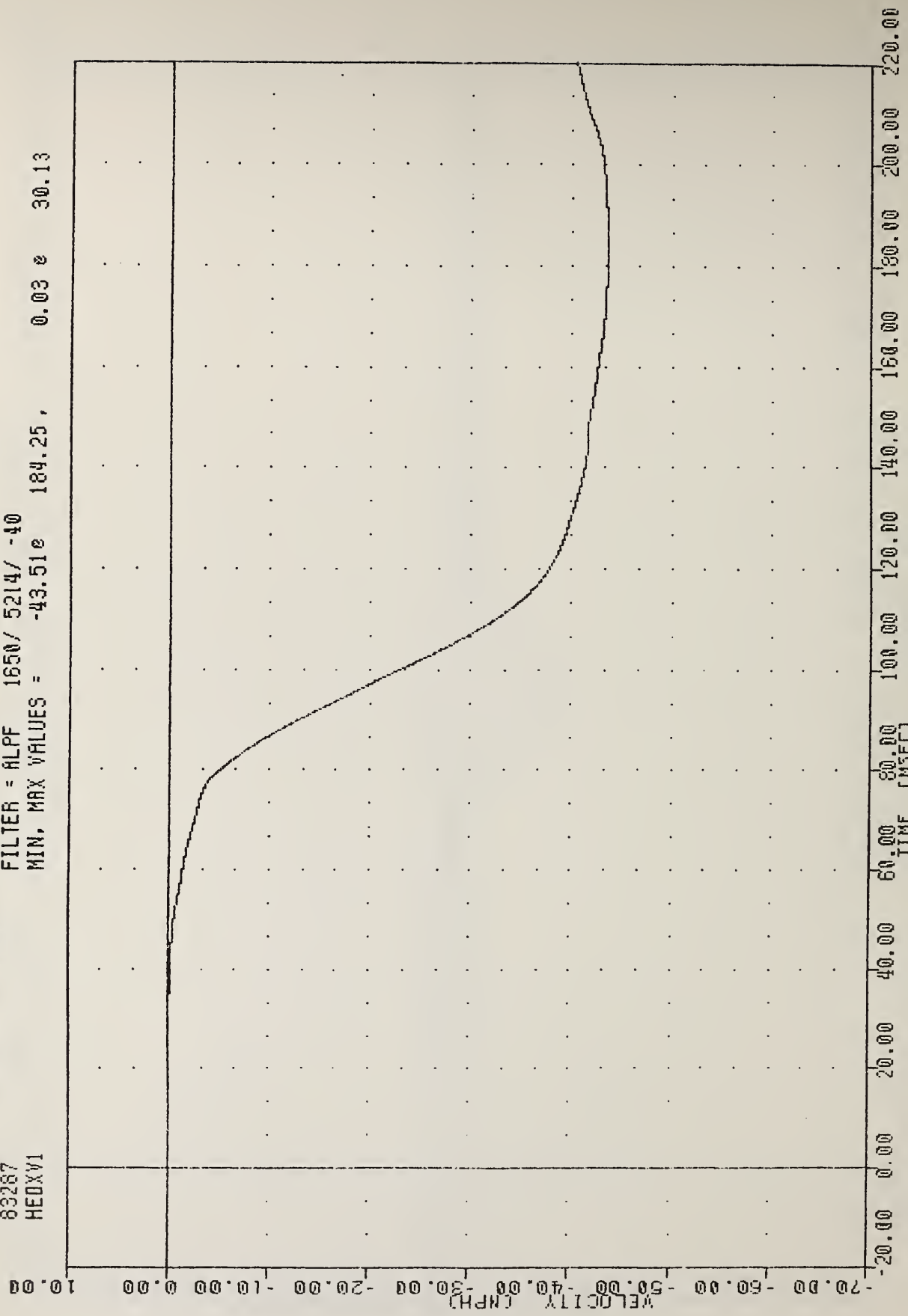


AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83267
HEADV1

FILTER = ALPF 165N/ 5214/ -40
MIN, MAX VALUES = -43.51e 184.25, 0.03 e 30.13



AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

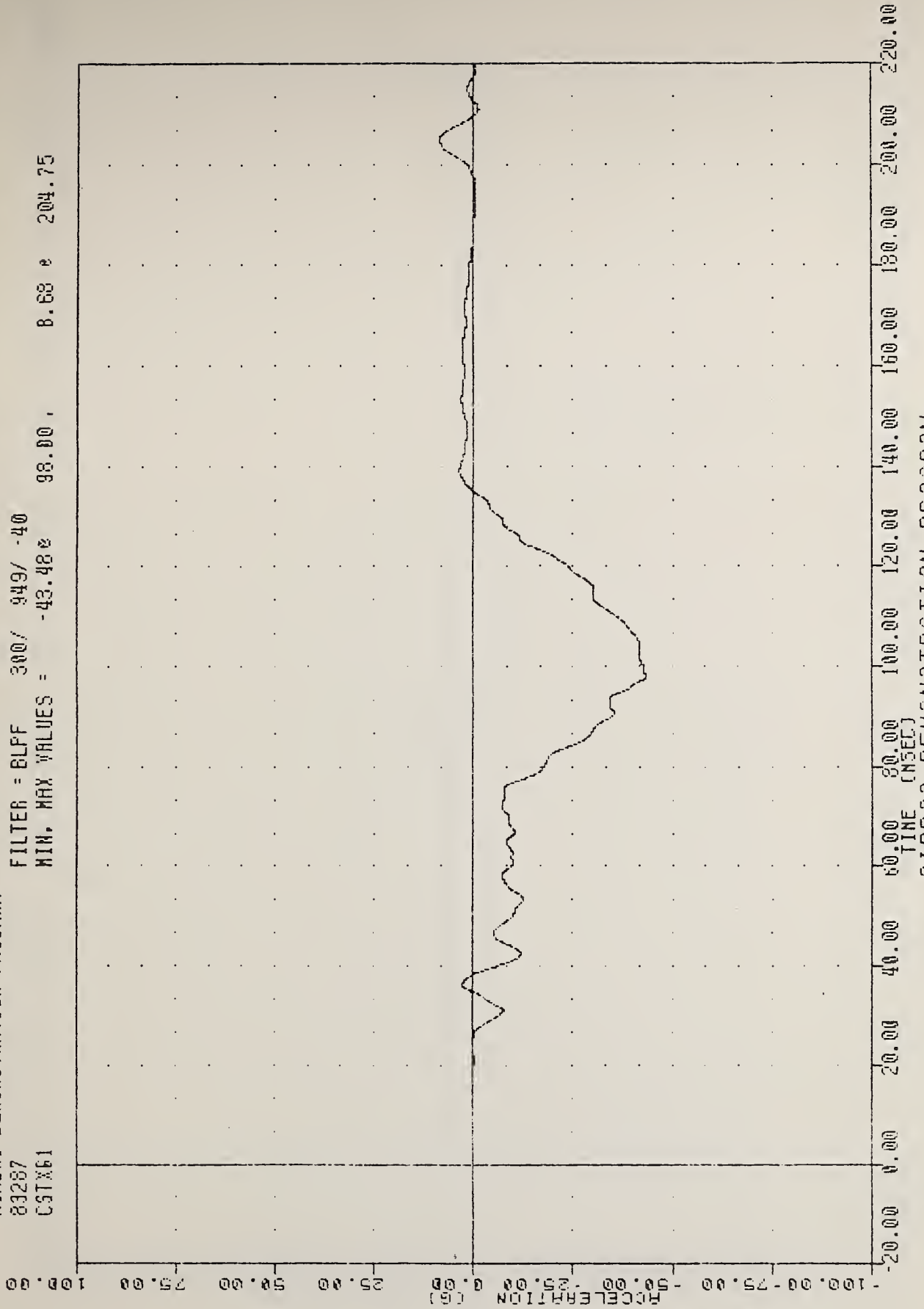
83287

CSTX61

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -43.48e 98.00 ,

8.68 e 204.75



AIRBAG DEMONSTRATION PROGRAM

CHEST ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83287

CSTY61

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -5.61e

4.14 e 211.50

100.00

75.00

50.00

25.00

0.00

-25.00

-50.00

-75.00

-100.00

-961-

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)

AIRBAG DEMONSTRATION PROGRAM

CHEST ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83287

CSTZ61

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.82e 111.38 , 19.12 e 83.50

100.00

75.00

50.00

25.00

0.00

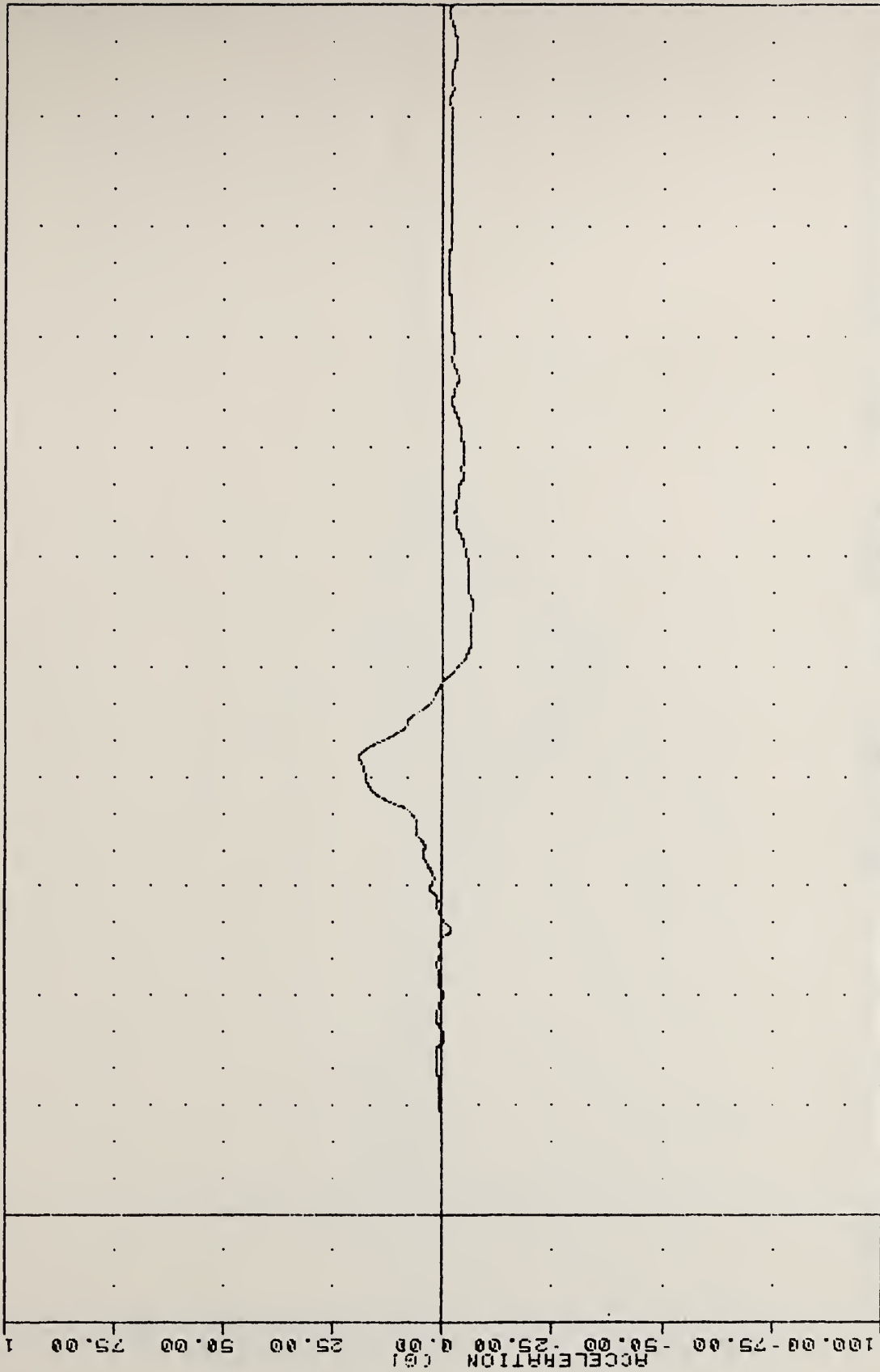
-25.00

-50.00

-75.00

-100.00

-161-



-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)

AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

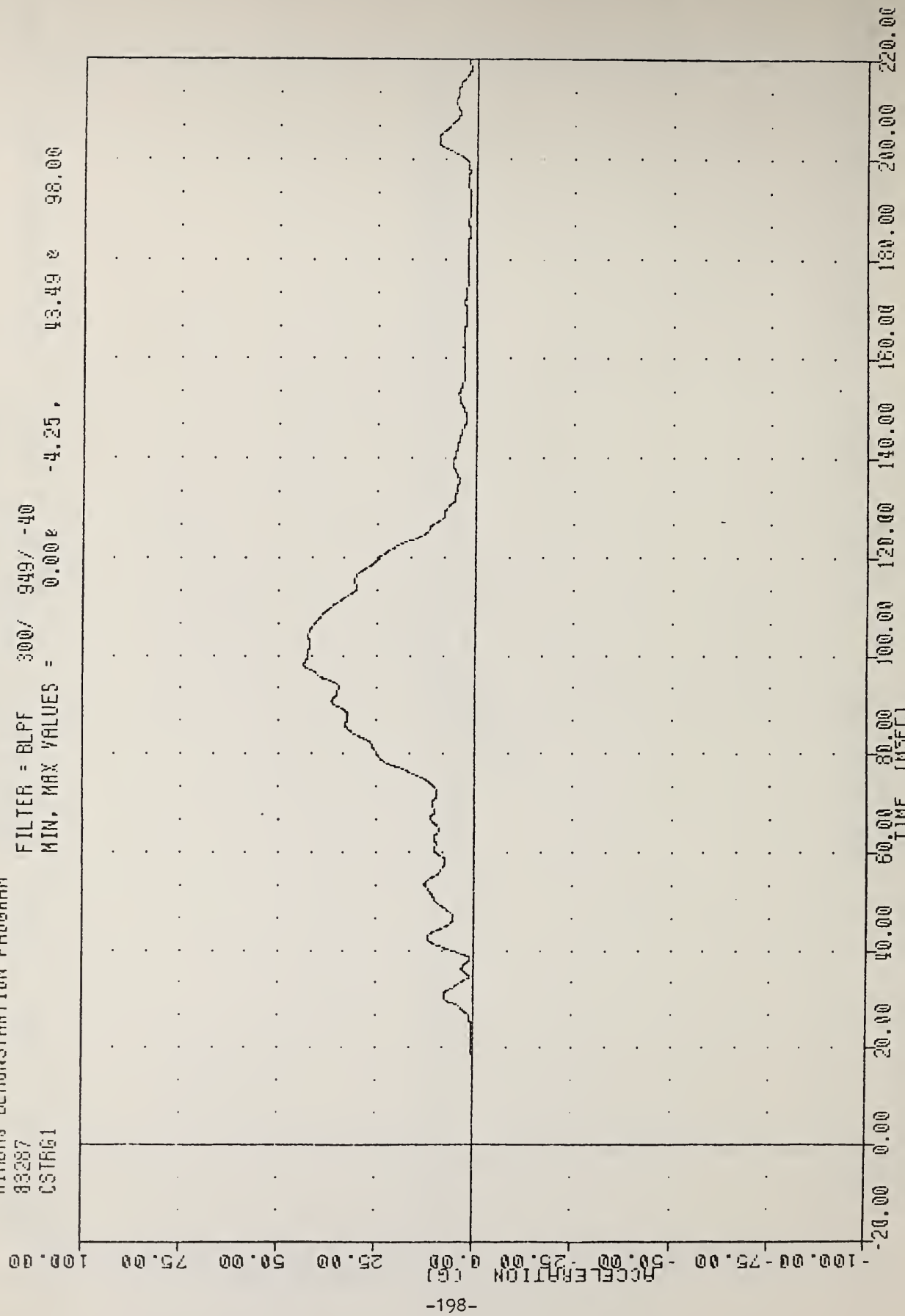
83287

CSTR61

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.00e

-4.25, 43.49 e 98.00



AIRBAG DEMONSTRATION PROGRAM
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

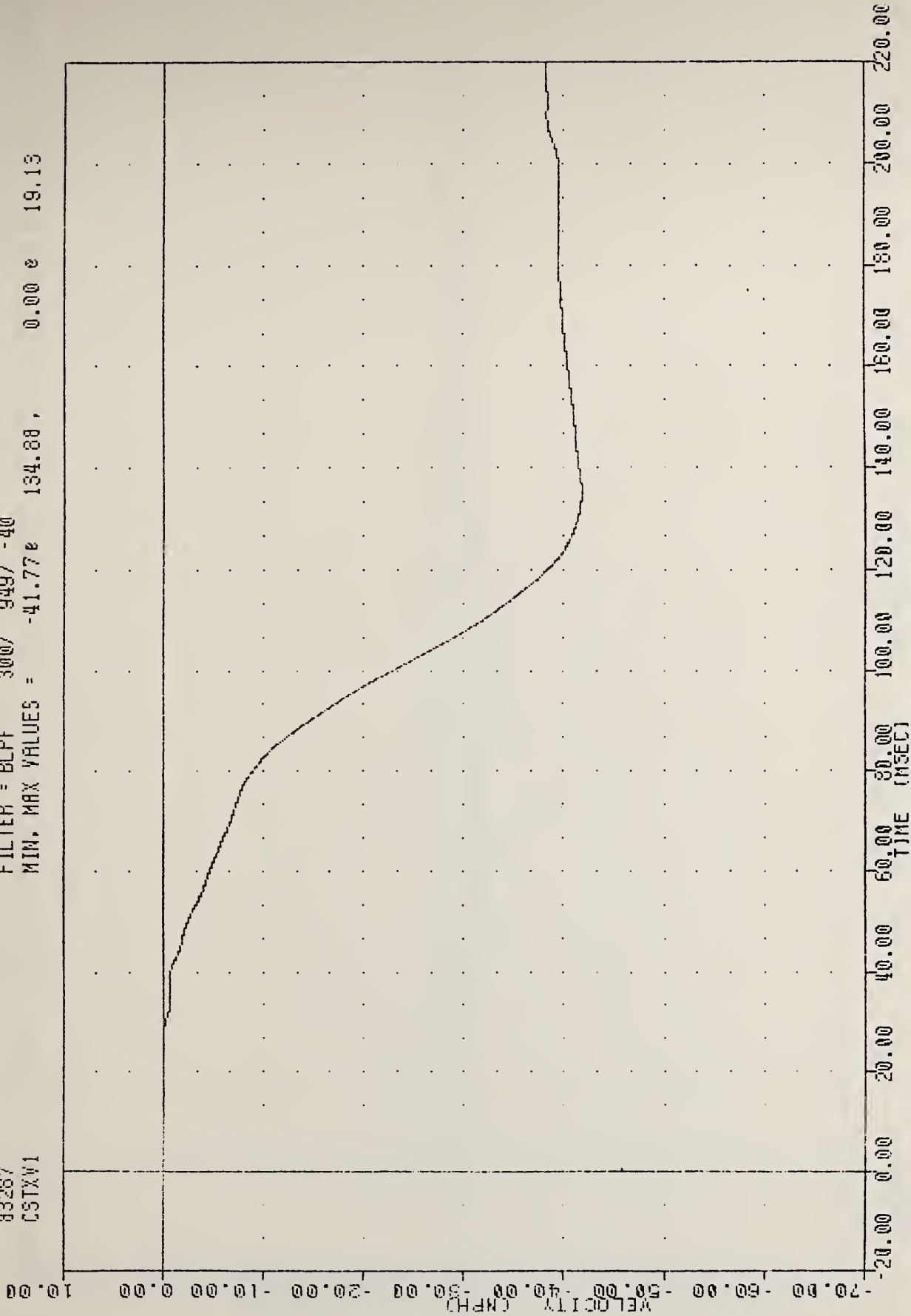
AIRBAG DEMONSTRATION PROGRAM

83267

CSTXV1

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -41.77e 134.88, 0.00 e 19.13



AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

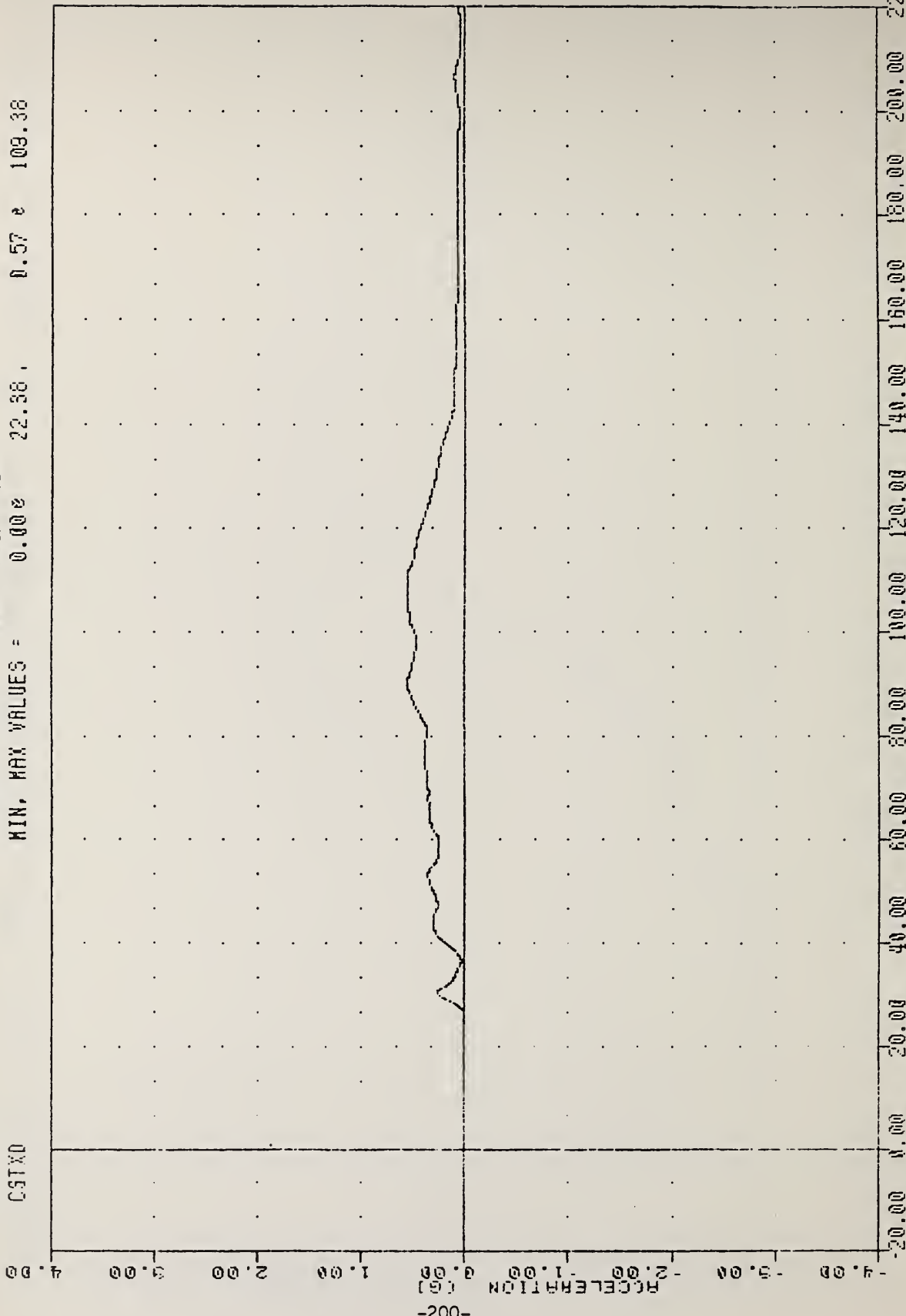
83287

CSTXD

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.00 e 22.38 ,

0.57 e 109.38



AIRBAG DEMONSTRATION PROGRAM
CHEST DISPLACEMENT 50TH PERCENTILE

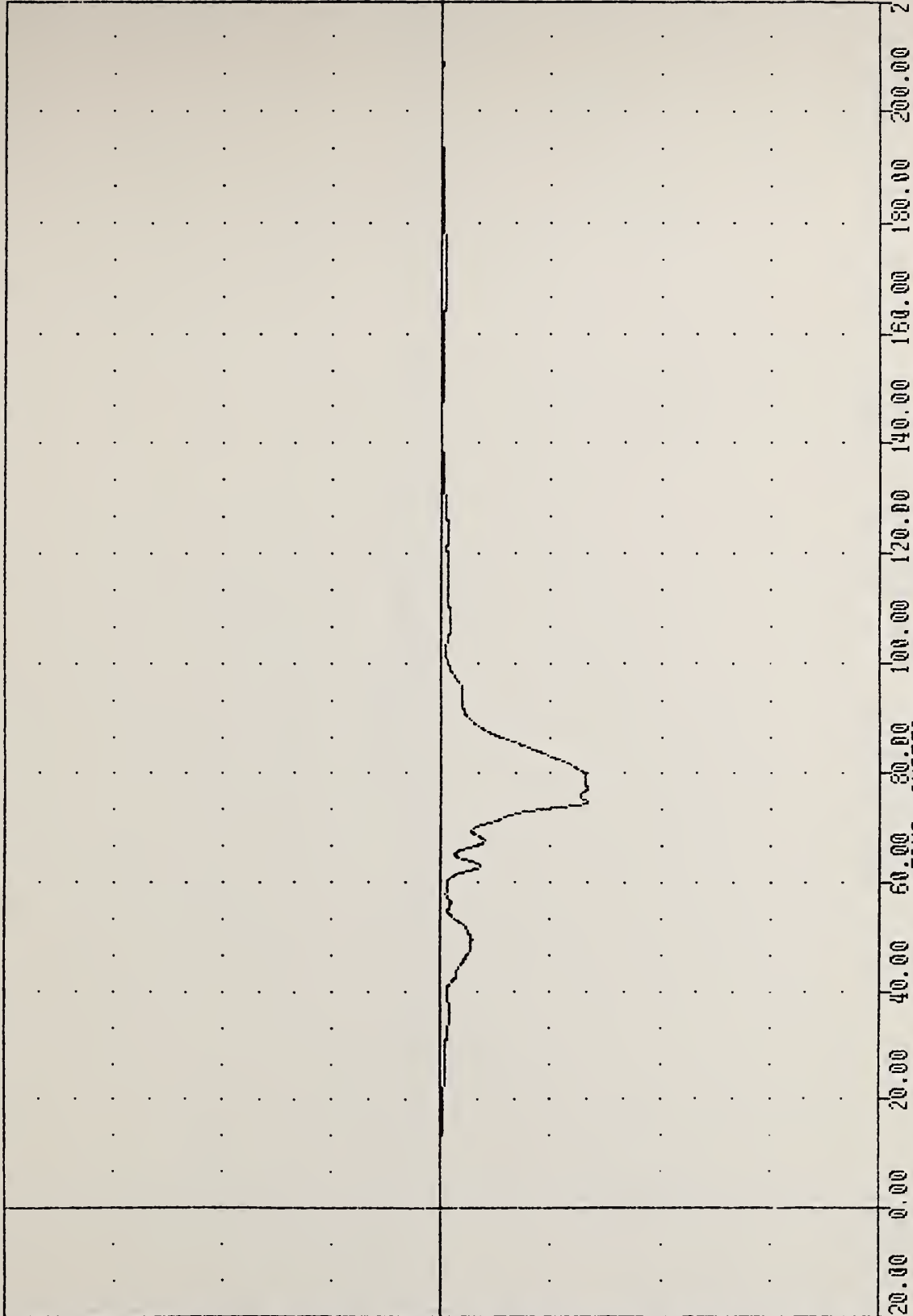
VRTC R0583-2-05
AIRBAG DEMONSTRATION PROGRAM
83287
PEVXG1

PLOT DATE 14-OCT-83 16:05:40

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = -66.87E 74.63, 0.54E 217.38

ACCELERATION (G)



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83287

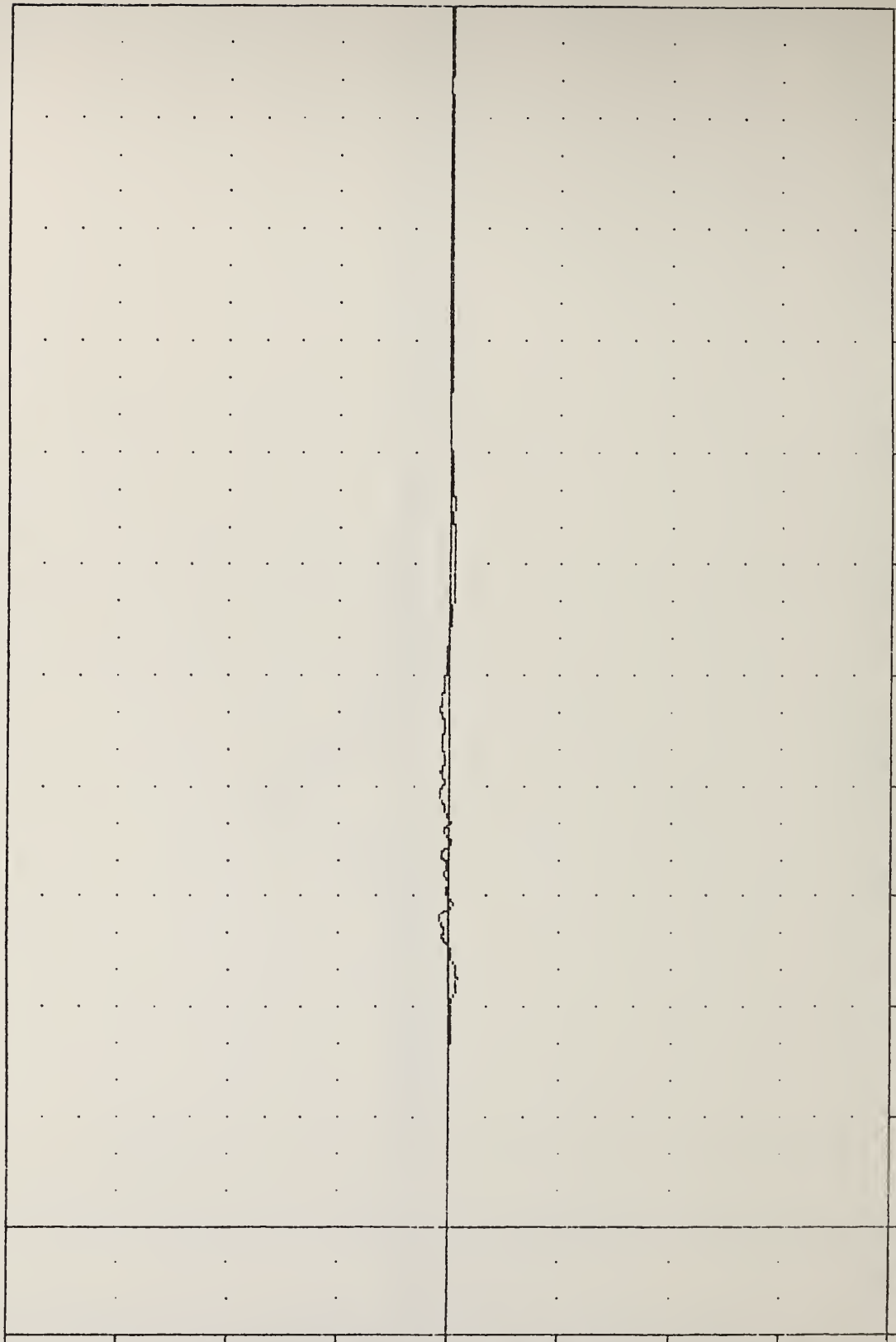
FILTER = BLFF 300/ 949/ -40

PEVY61

MIN. MAX. VALUES = -3.50e 45.00 ,

4.91 e 78.75

ACCELERATION (G)



220.00

200.00

150.00

140.00

120.00

100.00

80.00

60.00

40.00

20.00

0.00

-20.00

-150.00

-100.00

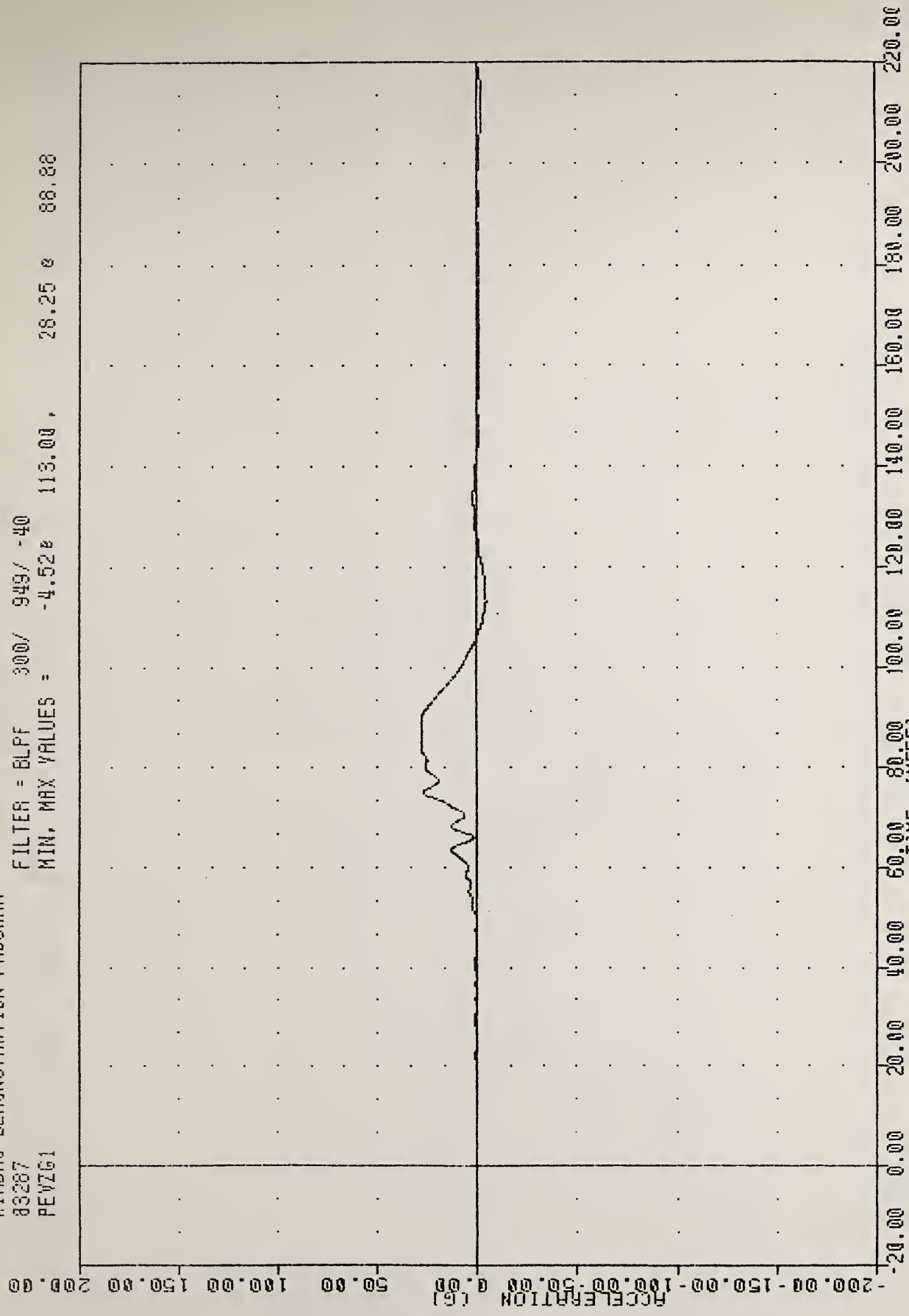
-50.00

AIRBAG DEMONSTRATION PROGRAM

PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83287
PEVZG1

FILTER = 6LFF 300/ 949/ -40
MIN, MAX VALUES = -4.52e 113.00 , 28.25 e 88.88



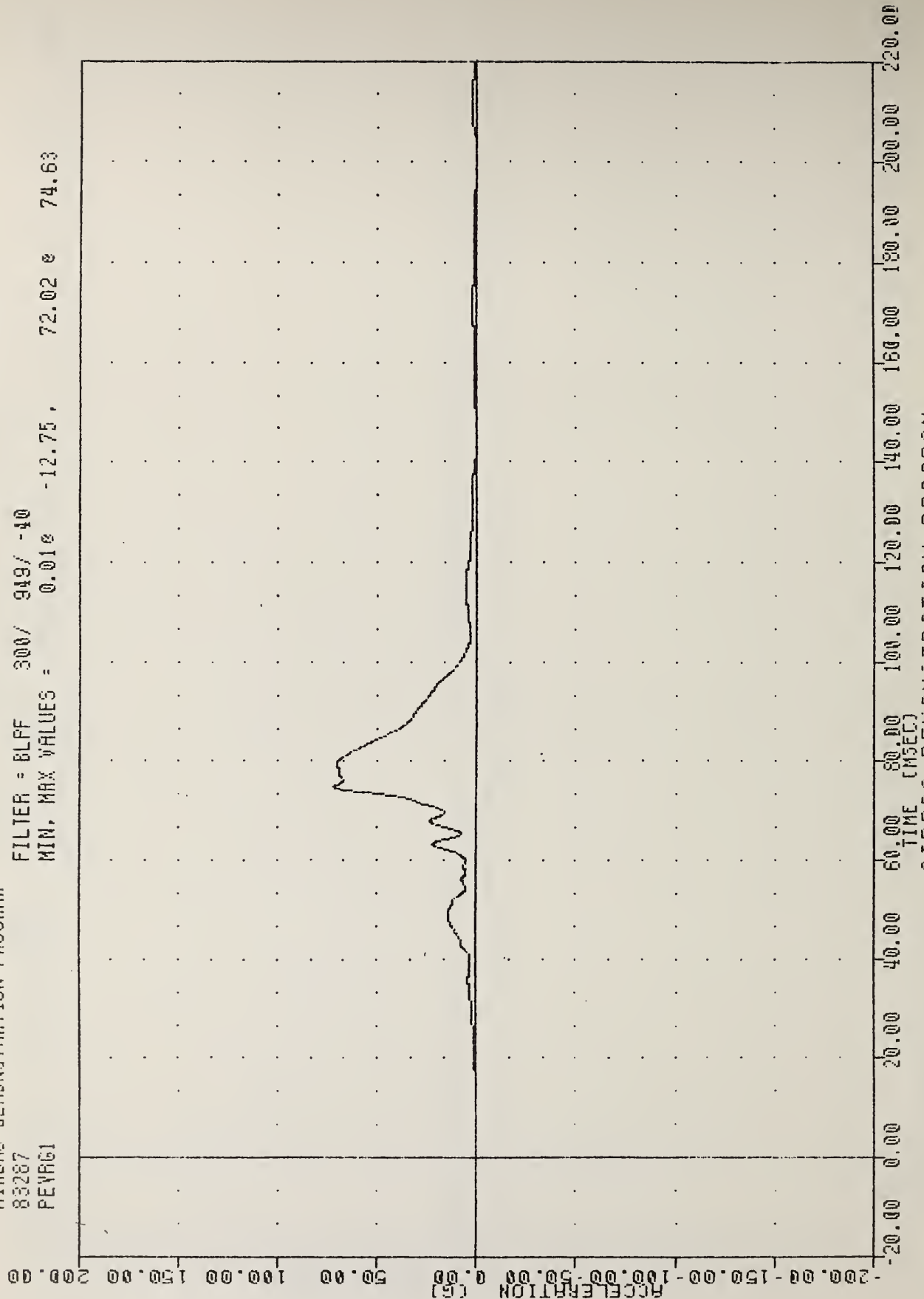
AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83287
PENRG1

FILTER = 8LPF 300/ 949/ -40
MIN, MAX VALUES = 0.01g -12.75, 72.02 g 74.63

-702-



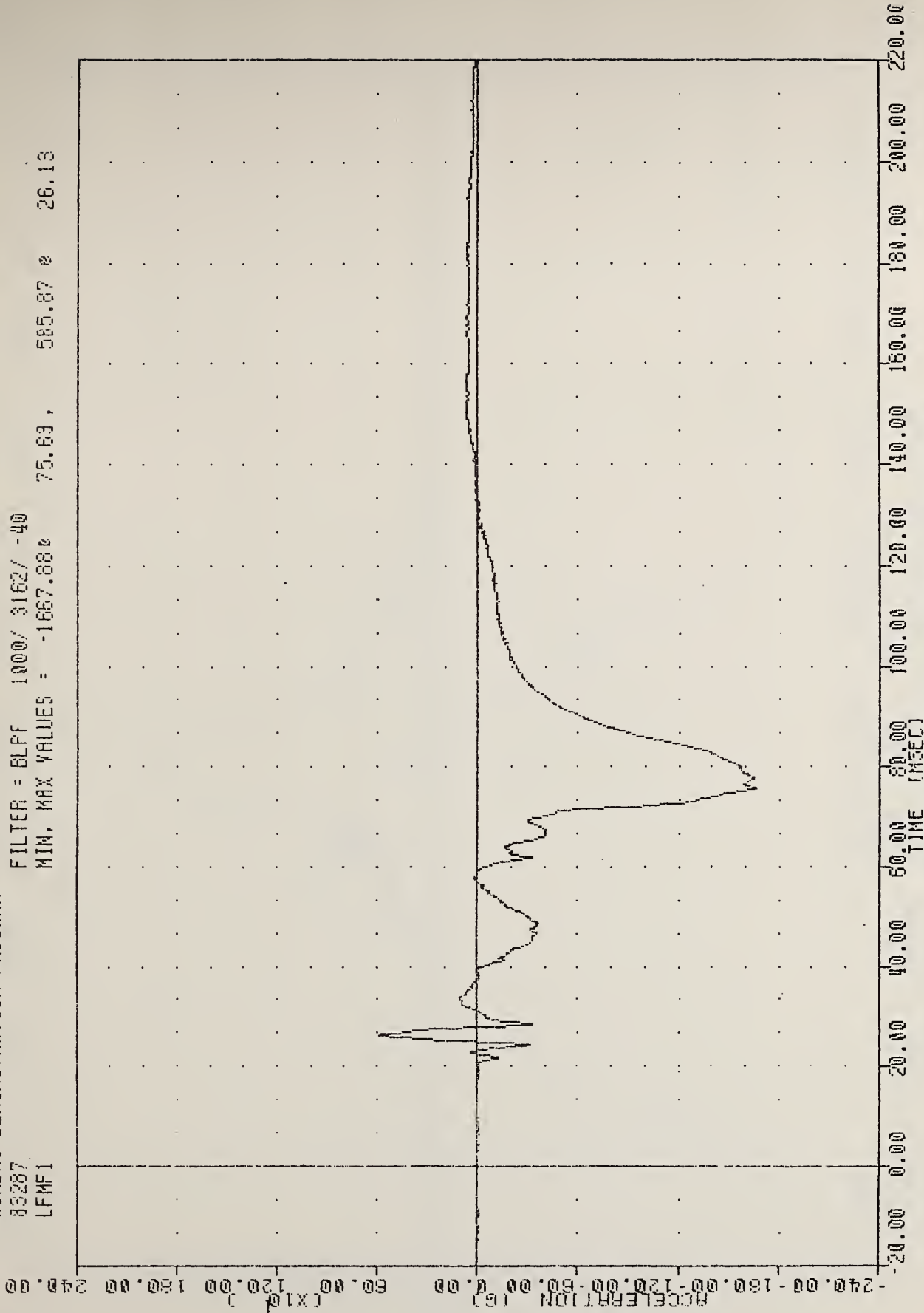
AIRBAG DEMONSTRATION PROGRAM
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

VRTC , R0583-2-05
AIRBAG DEMONSTRATION PROGRAM
83287
LFMF1

PLOT DATE 14-OCT-83 16:05:40

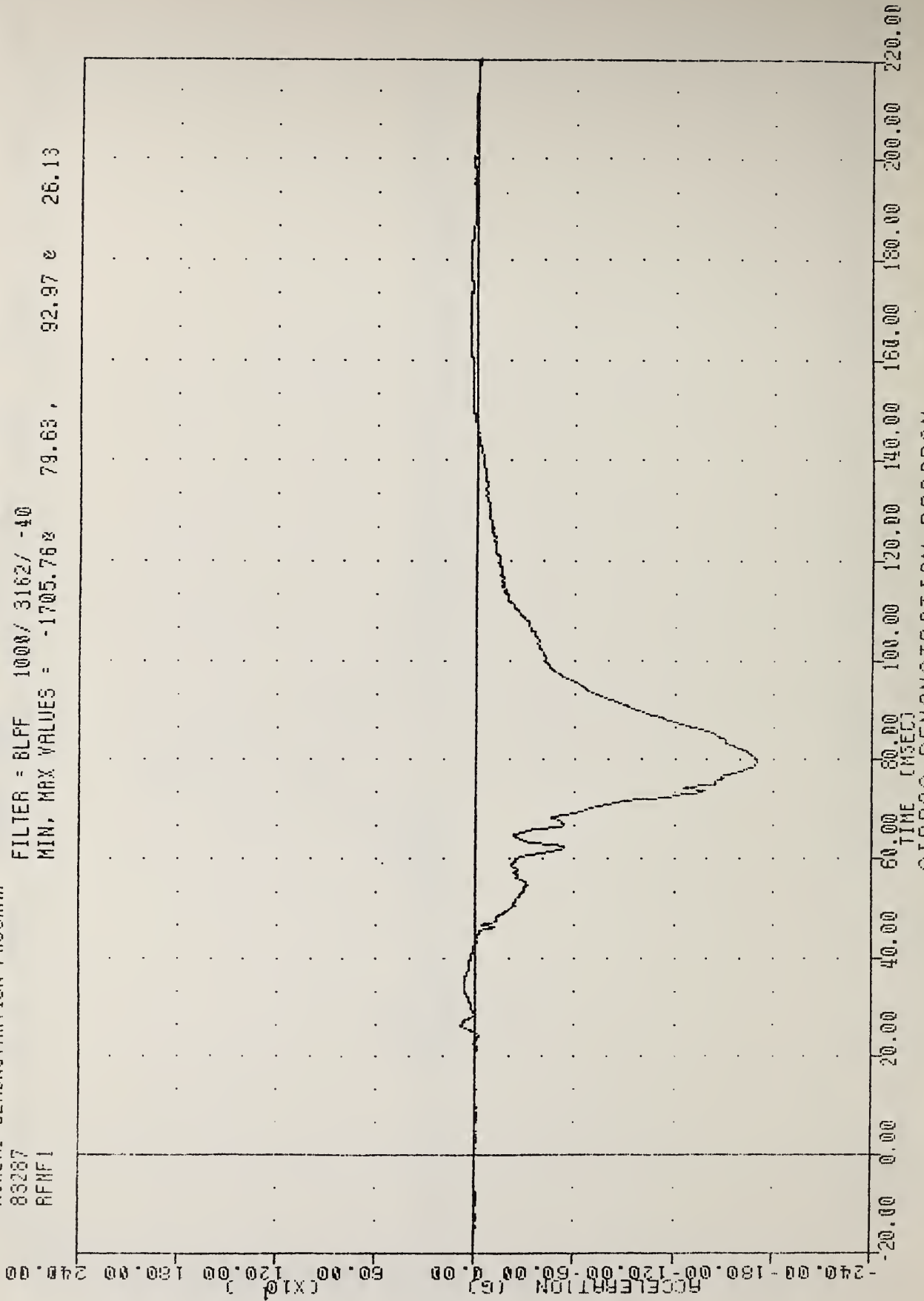
FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -1667.88e 75.63, 585.87 e 26.13



AIRBAG DEMONSTRATION PROGRAM
LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

VRTC , RD583-2-05 PLOT DATE 14-OCT-83 16:05:40
AIRBAG DEMONSTRATION PROGRAM
83287 FILTER = 8LFF 1000/ 3162/ -40
RNF1 MIN, MAX VALUES = -1705.76# 79.63, 92.97 e 26.13



AIRBAG DEMONSTRATION PROGRAM
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83287

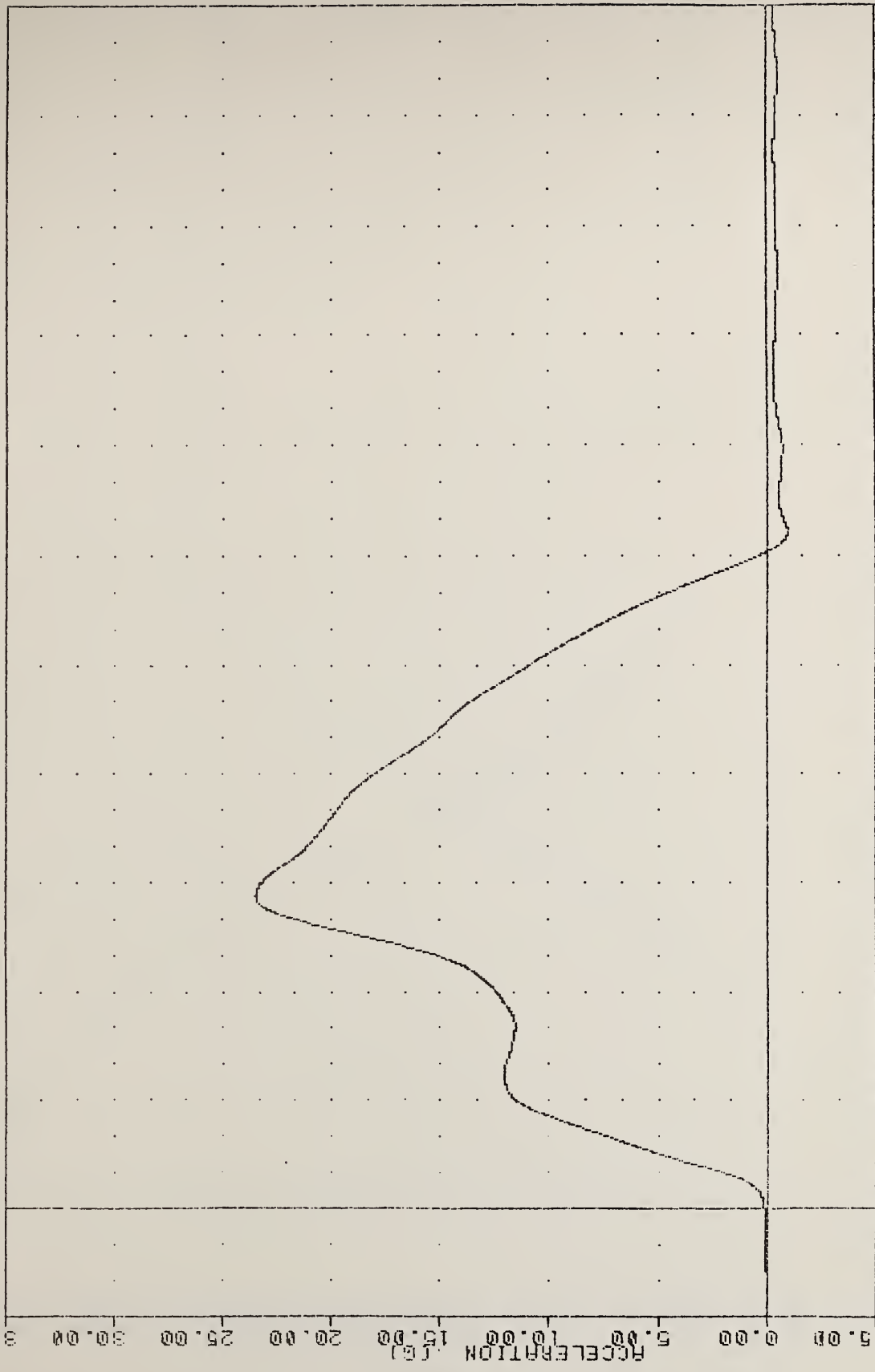
SLOXGC

FILTER = BLFF 100/ 315/ -40

MIN. MAX VALUES = -0.96g 124.00, 23.46g 57.38

23.46g 57.38

35.00



-5.00 0.00 5.00 10.00 15.00 20.00 25.00 30.00 35.00

-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

AIRBAG DEMONSTRATION PROGRAM
SLED ACCELERATION

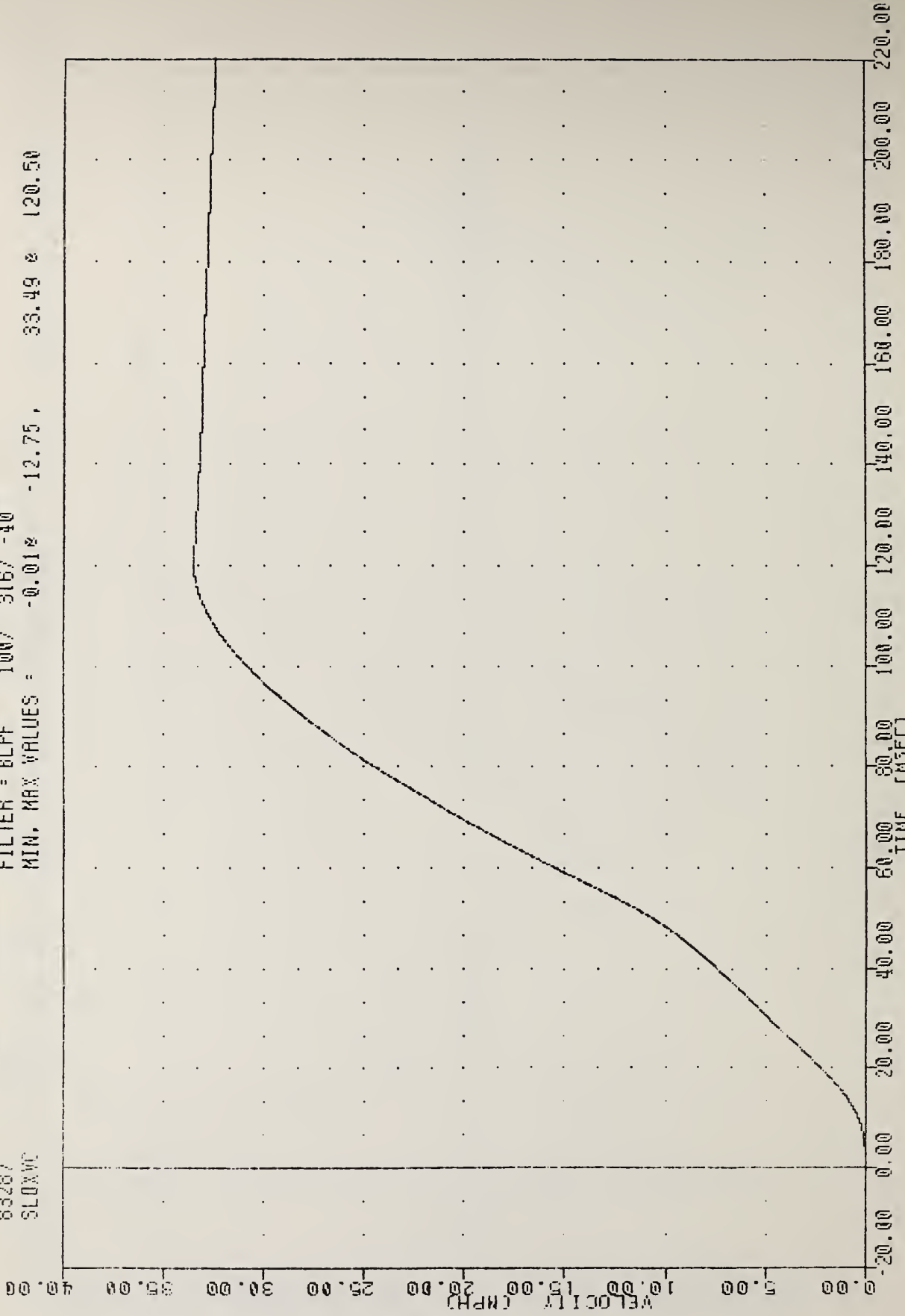
AIRBAG DEMONSTRATION PROGRAM

83287

SLOXVC

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -0.01e -12.75, 33.49 e 120.50



AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM

83287

SLOXY

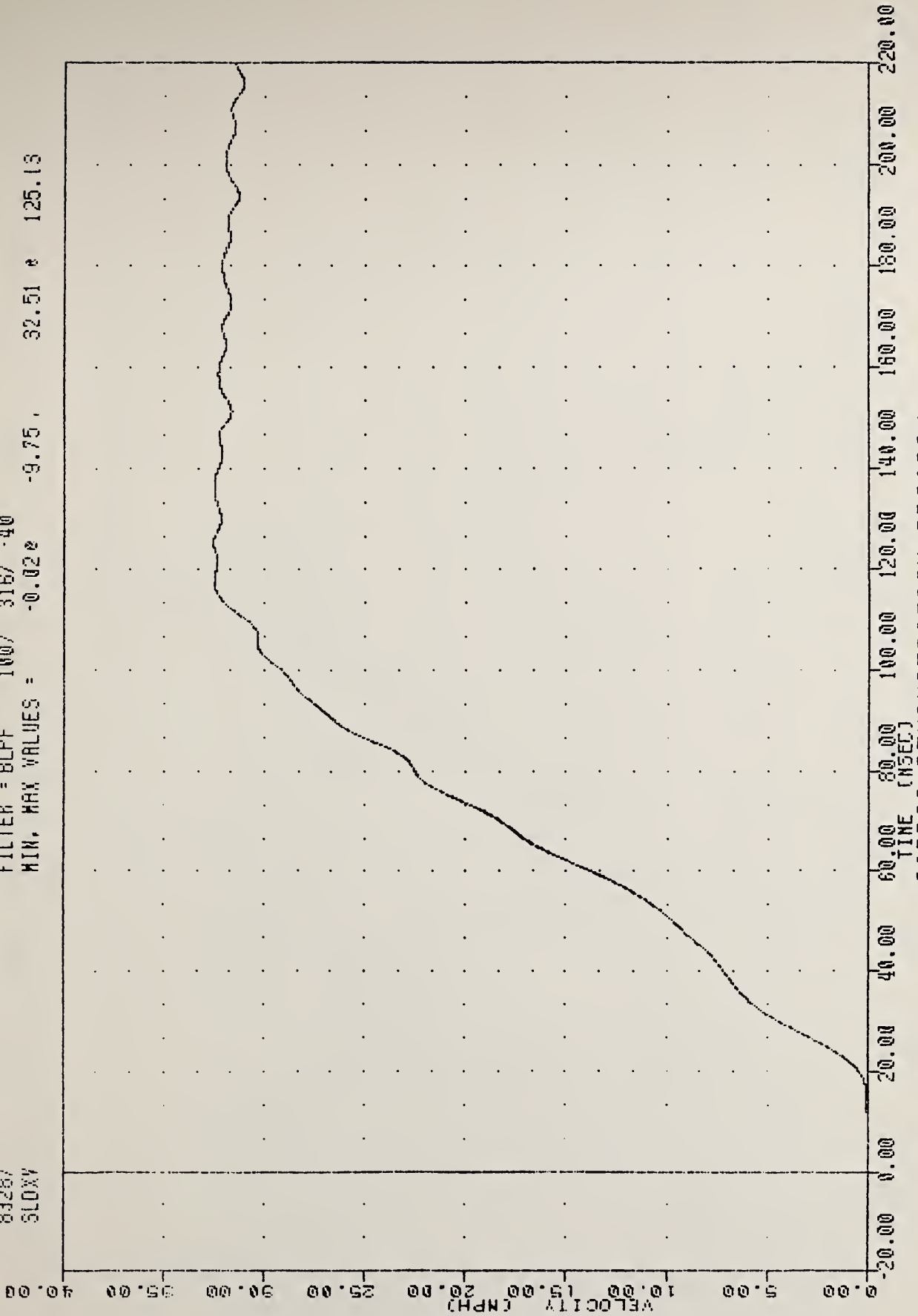
FILTER = 8LFF 100/ 316/ -40

MIX. MAX VALUES = -0.02e

-9.75,

32.51 e

125.13



AIRBAG DEMONSTRATION PROGRAM

SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM

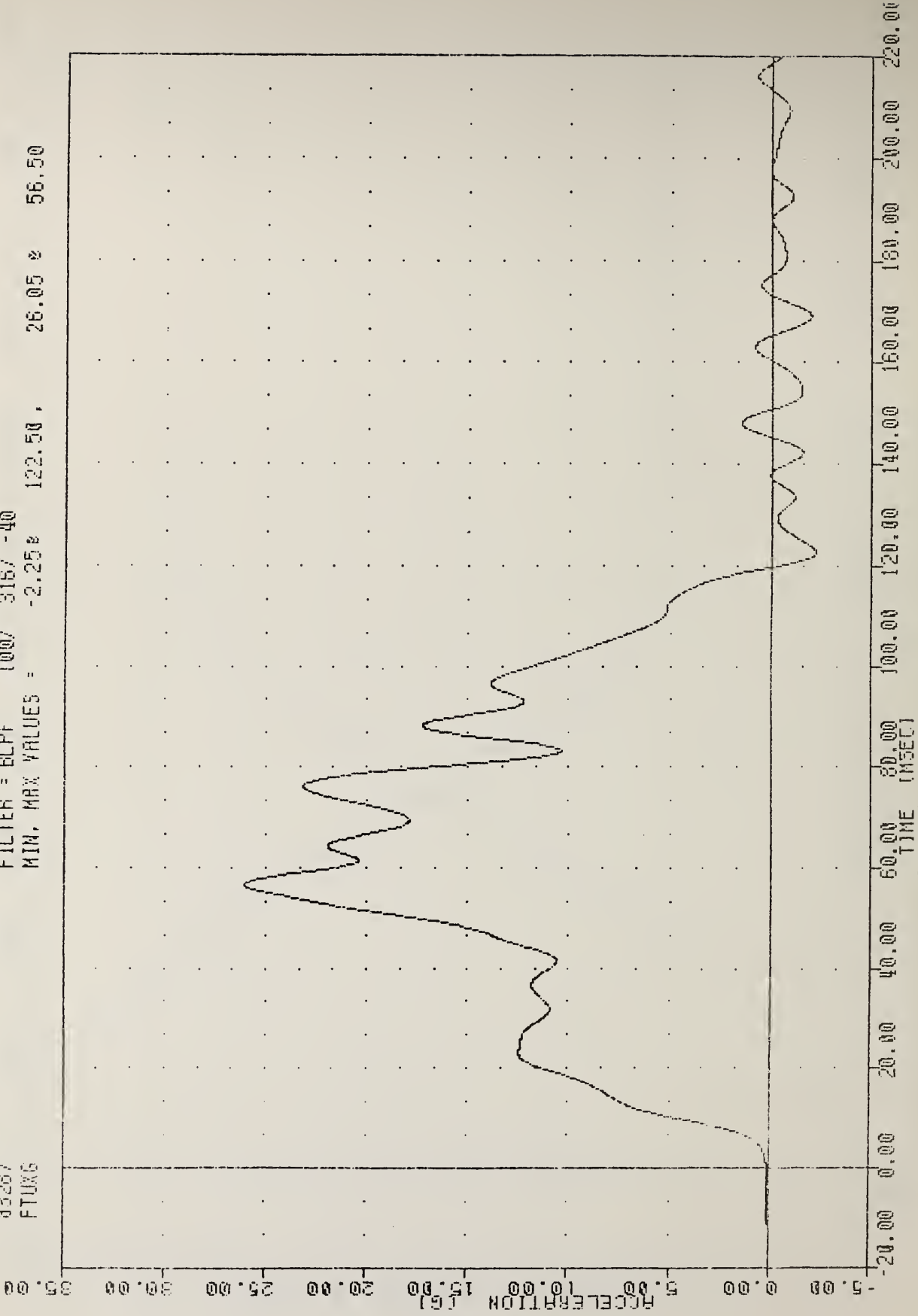
83287

FLUXG

FILTER = BLPF 100/ 315/ -40

MIN, MAX VALUES = -2.25% 122.50 ,

26.05 % 56.50



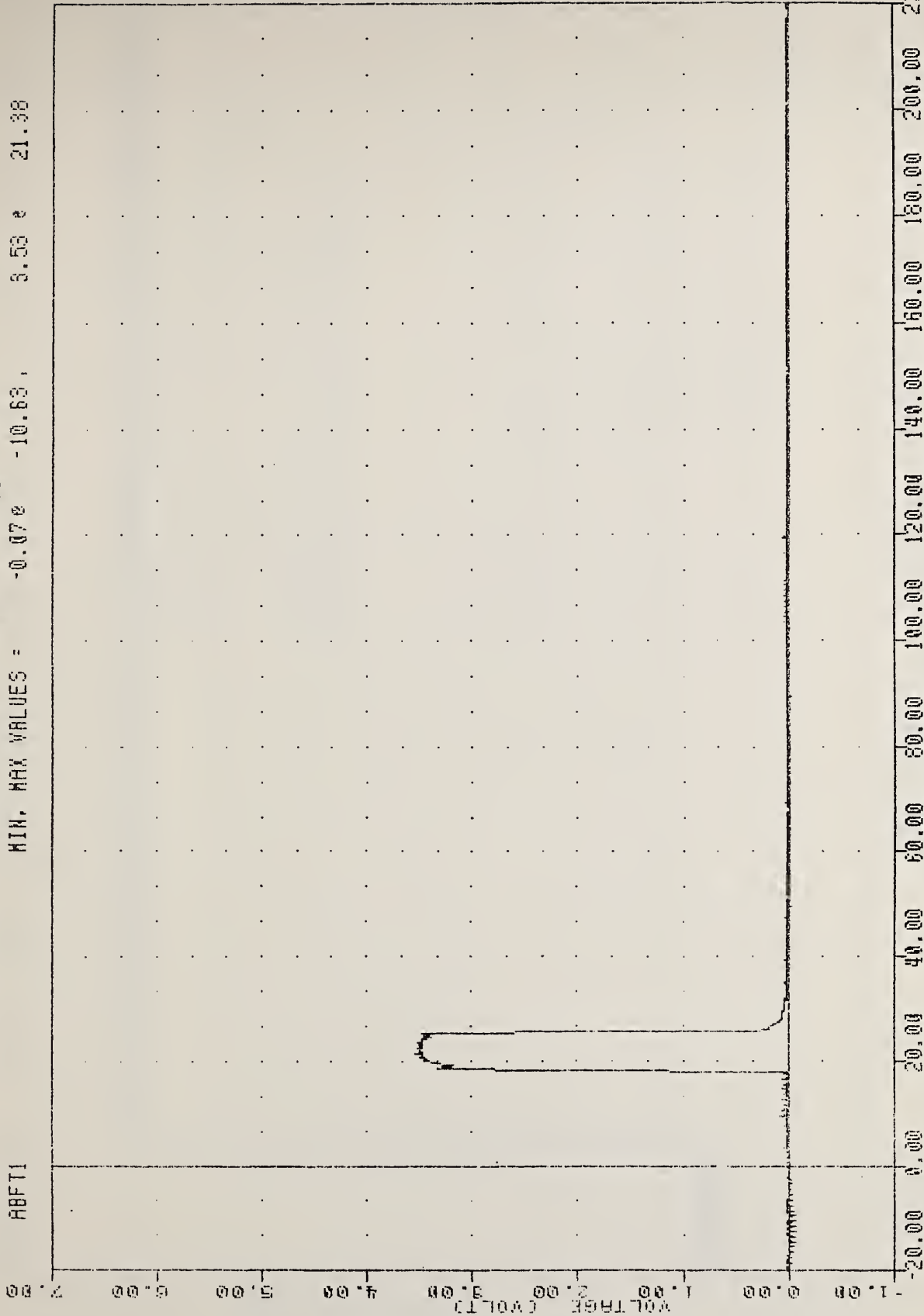
AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

WATC , RD583-2-05
AIRBAG DEMONSTRATION PROGRAM
83287
ABFTI

PLOT DATE 14-OCT-83 16:05:40

FILTER = ALFF 1650/ 5214/ -40

MIN, MAX VALUES = -0.07 e -10.63 , 3.53 e 21.38

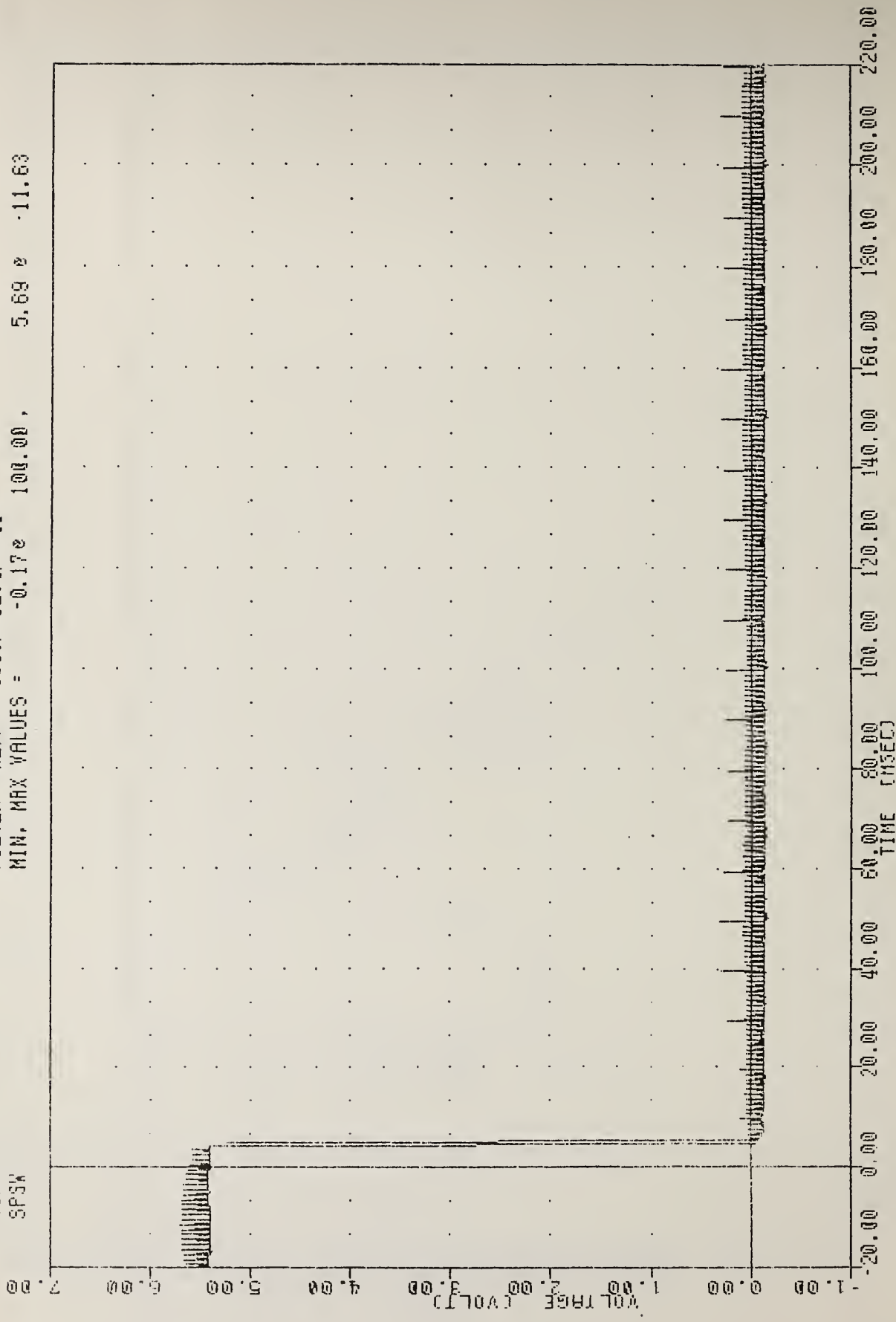


AIRBAG DEMONSTRATION PROGRAM
AIR BAG FIRING EVENT 50TH PERCENTILE

VRIC , R0583-2-05
AIRBAG DEMONSTRATION PROGRAM
83287
SPSW

PLOT DATE 14-OCT-83 16:05:40

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -0.17e 100.00, 5.69 e -11.63



AIRBAG DEMONSTRATION PROGRAM
SLED POSITION SWITCH

DEMONSTRATION PROGRAM

0 0 mph

83090

VRTC

RD583-2-06

17-OCT-83 16:10:02

	Min value	Max value	Unit
SPSW	-0.373 @ 203.375	0.442 @ -7.750 msec	volt
SLDXG0	-1.006 @ 120.000	23.409 @ 56.500 msec	g
SLDXVC	-1.009 @ -13.125	21.490 @ 119.500 msec	mph
SLDXV	-0.054 @ -9.500	32.528 @ 117.125 msec	mph
FTUXG	-1.294 @ 122.125	24.881 @ 61.375 msec	g
ABFT1	-0.203 @ 184.375	3.505 @ 18.250 msec	volt
HEDXG1	-43.049 @ 92.375	14.896 @ 222.375 msec	g
HEDXV1	-43.125 @ 195.500	0.064 @ 27.750 msec	mph
HEDYG1	-6.251 @ 92.625	6.342 @ 231.125 msec	g
HEDZG1	-21.031 @ 112.250	11.889 @ 77.375 msec	g
CSTXG1	-42.054 @ 114.000	20.450 @ 225.875 msec	g
CSTXV1	-40.293 @ 139.250	0.006 @ 25.875 msec	mph
CSTYG1	-3.821 @ 31.250	3.028 @ 239.750 msec	g
CSTZG1	-7.512 @ 225.125	19.650 @ 87.375 msec	g
PEVXG1	-85.042 @ 74.500	1.988 @ 236.000 msec	g
PEVYG1	-22.792 @ 86.375	22.428 @ 74.500 msec	g
PEVZG1	-4.554 @ 227.000	23.575 @ 74.250 msec	g
CSTXD	-0.013 @ 249.875	0.589 @ 114.250 msec	g
LFMF1	-1248.458 @ 87.875	511.923 @ 26.500 msec	g
RFMF1	-3002.158 @ 73.375	67.331 @ 36.500 msec	g
HEDRG1	0.005 @ -23.500	45.681 @ 94.375 msec	g
CSTRG1	0.006 @ -8.375	42.056 @ 114.000 msec	g
PEVRG1	0.014 @ -3.750	90.950 @ 74.375 msec	g

* * * HIC computation for TRC214I 17-OCT-83 16:16:38

HEDRG1 VRTC RD583-2-06 83290 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 45.68 @ 94.37

HIC = 263.94 Interval from 74.625 [798] to 121.500 [1173]

HIC = 147.45 Interval from 87.000 [897] to 102.000 [1017]

Elapsed time = 11.74 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

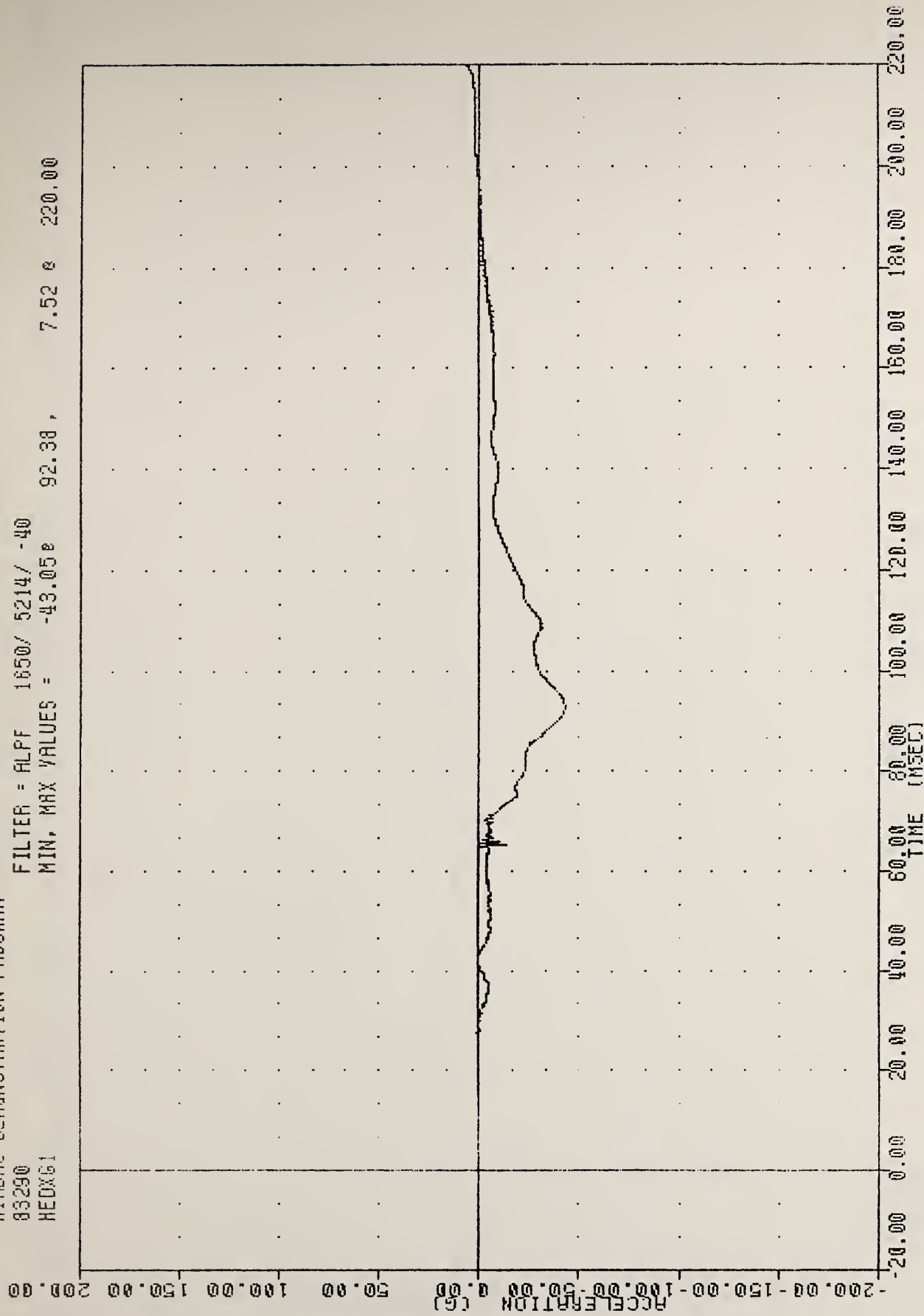
AIRBAG DEMONSTRATION PROGRAM

03290

HEDXG1

FILTER = ALPF 1650/ 5214/ -40

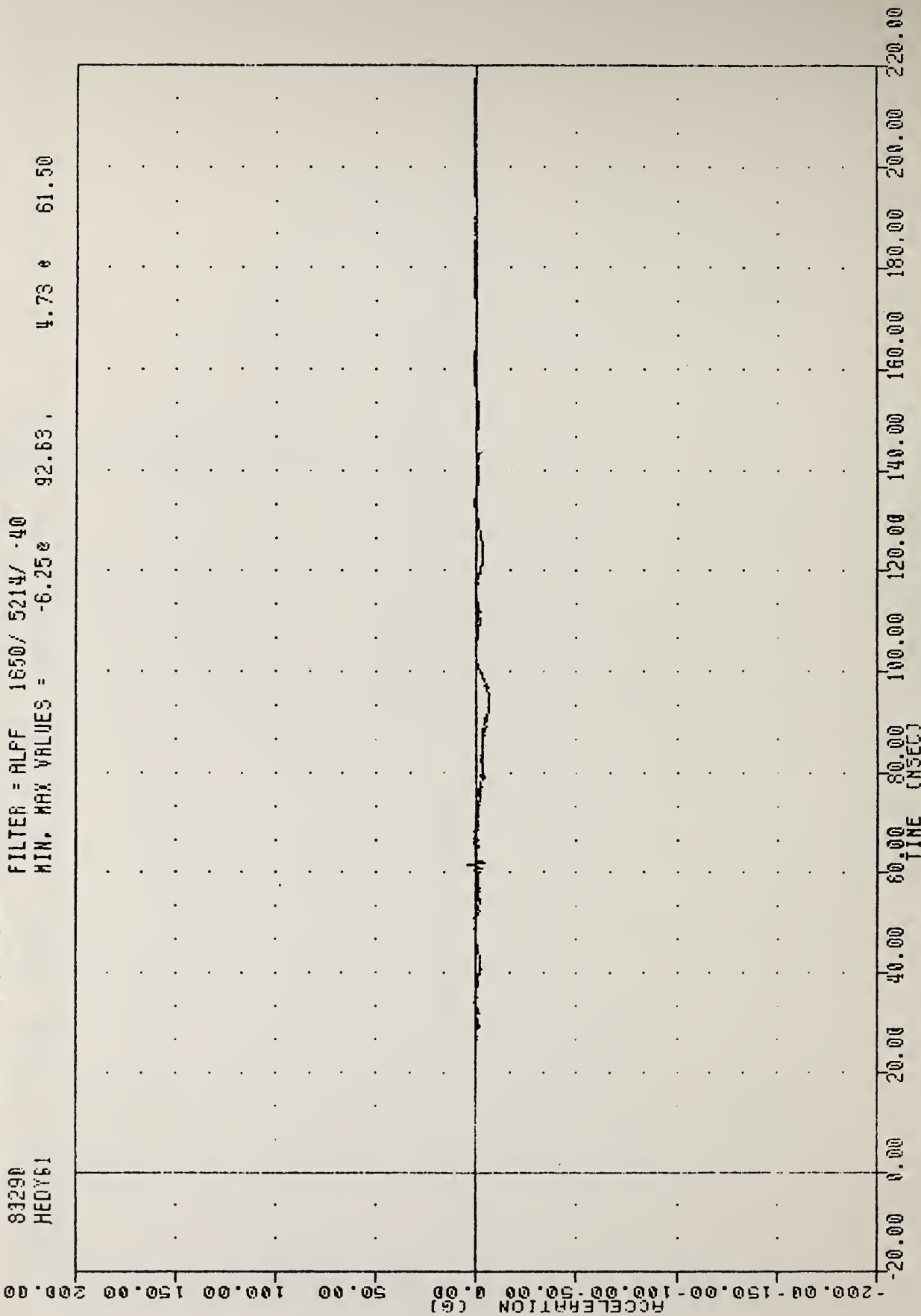
MIN, MAX VALUES = -43.05 e 92.38 , 7.52 e 220.00



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
9329D
HECV61

FILTER = ALFF 1650/ 5214/ -40
MIN. MAX VALUES = -6.25e 92.63 , 4.73 e 61.50



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

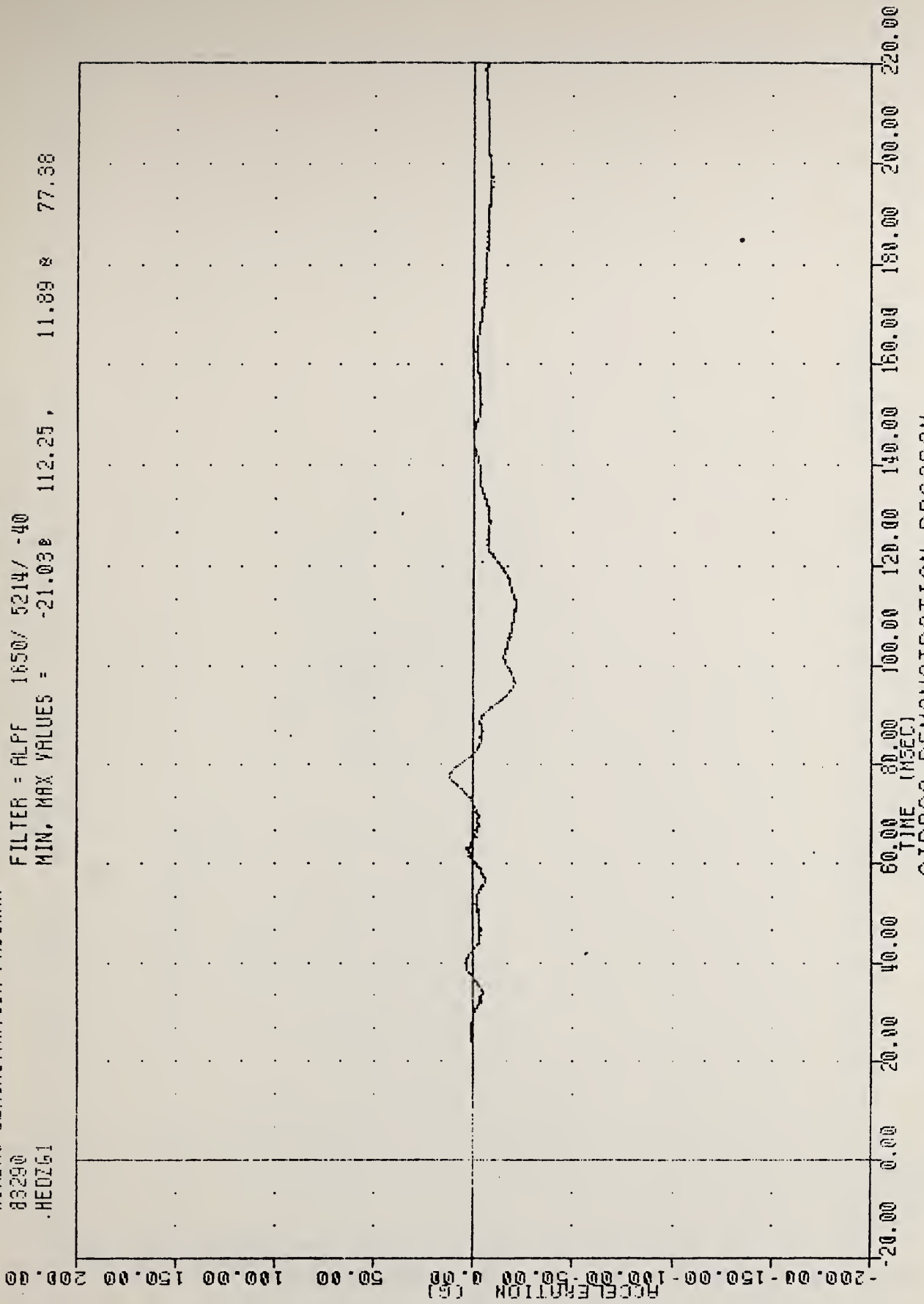
AIRBAG DEMONSTRATION PROGRAM

83290
.HEADZ51

FILTER = ALPF 1650V 5214/ -40

MIN. MAX VALUES = -21.03E

112.25, 11.89 E 77.58



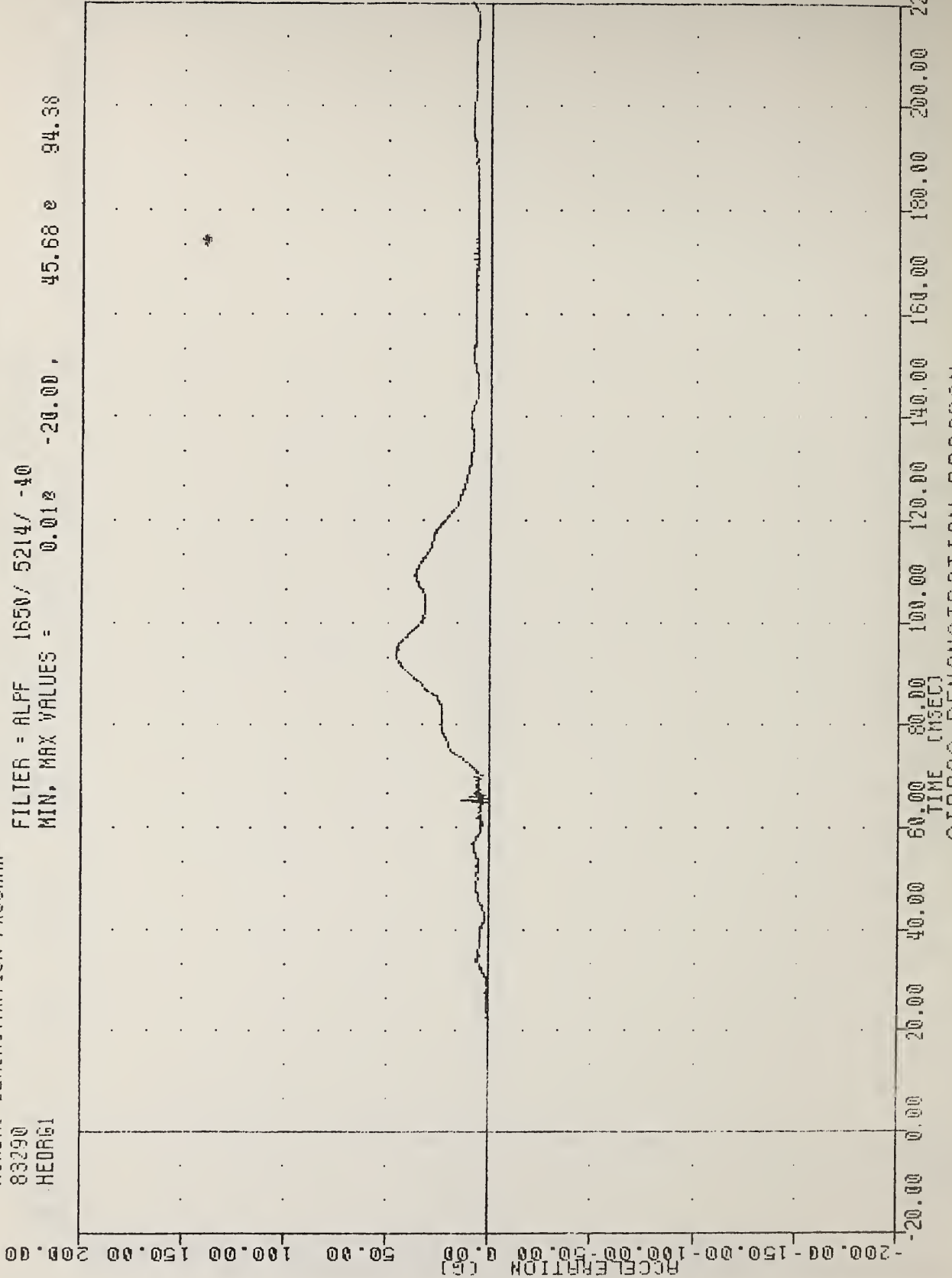
AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83290
HEOR61

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.012 -20.00, 45.68 e 94.38



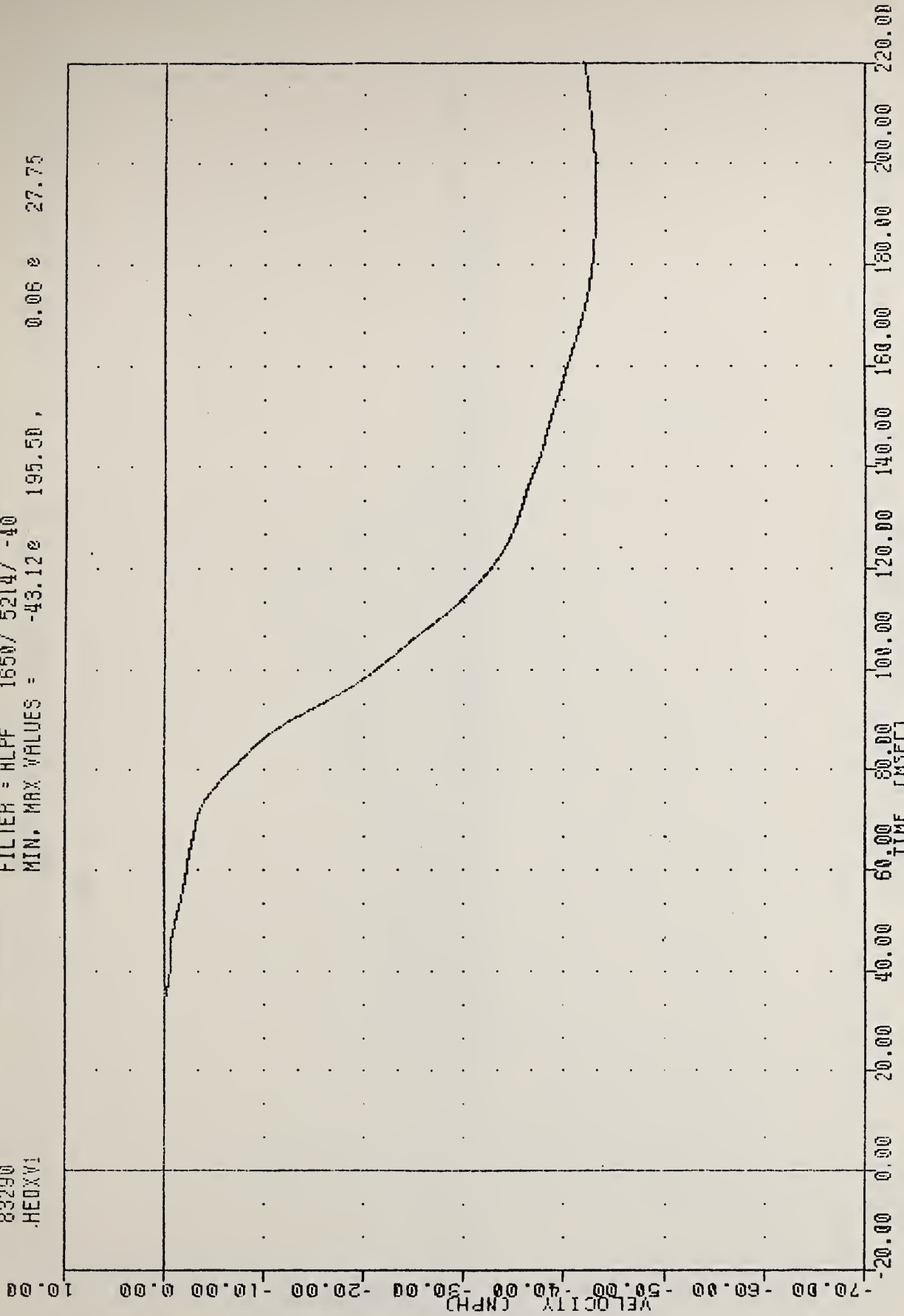
AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83290
.HEADXV1

FILTER = ALPF 1650/ 5214/ -40

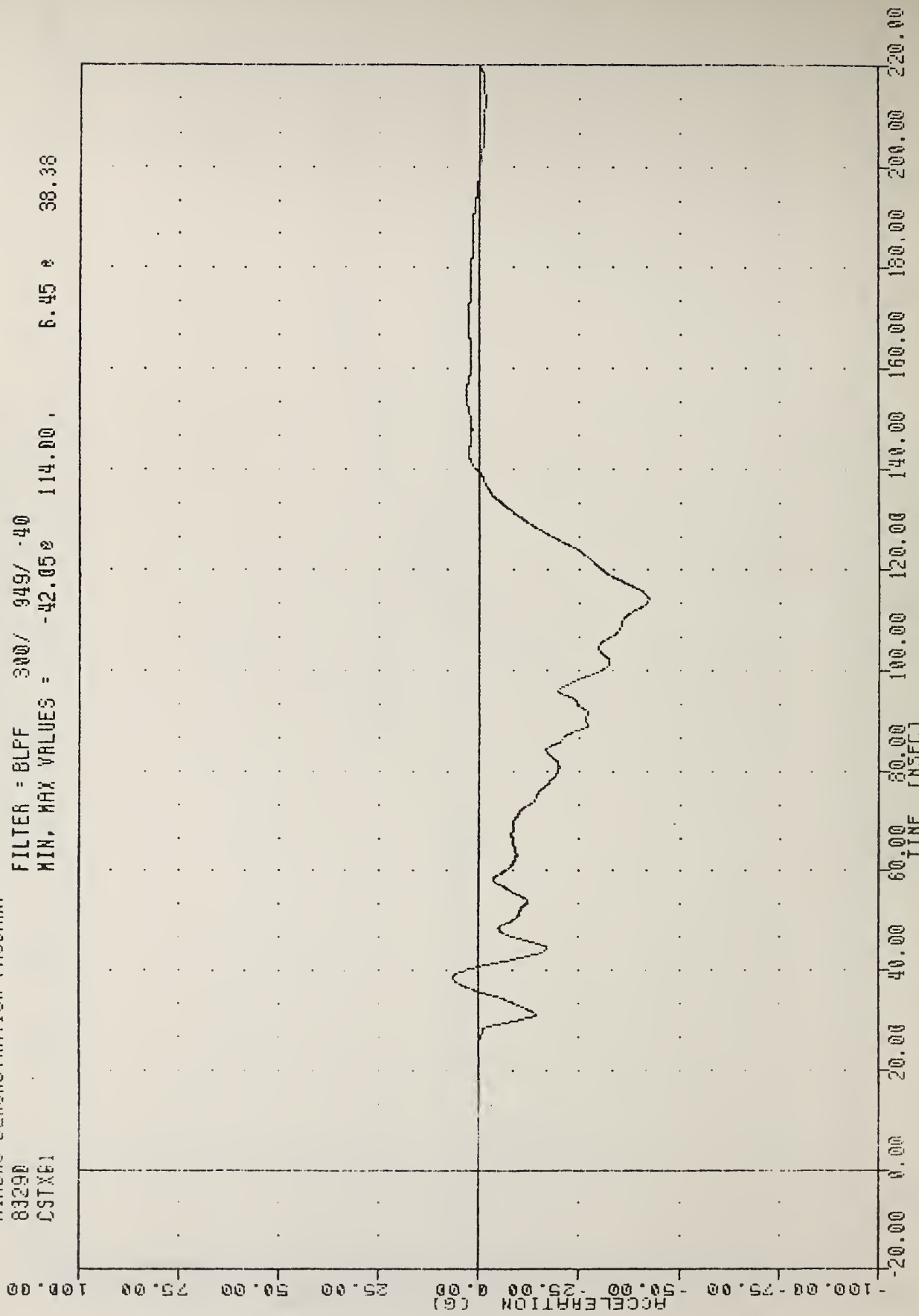
MIN. MAX VALUES = -43.12e 195.50, 0.06 e 27.75



AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83290
CSTX61

FILTER = BLFF 300 / 949 / -40
MIN, MAX VALUES = -42.05e 114.00 6.45e 38.38



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83290

.CSTY61

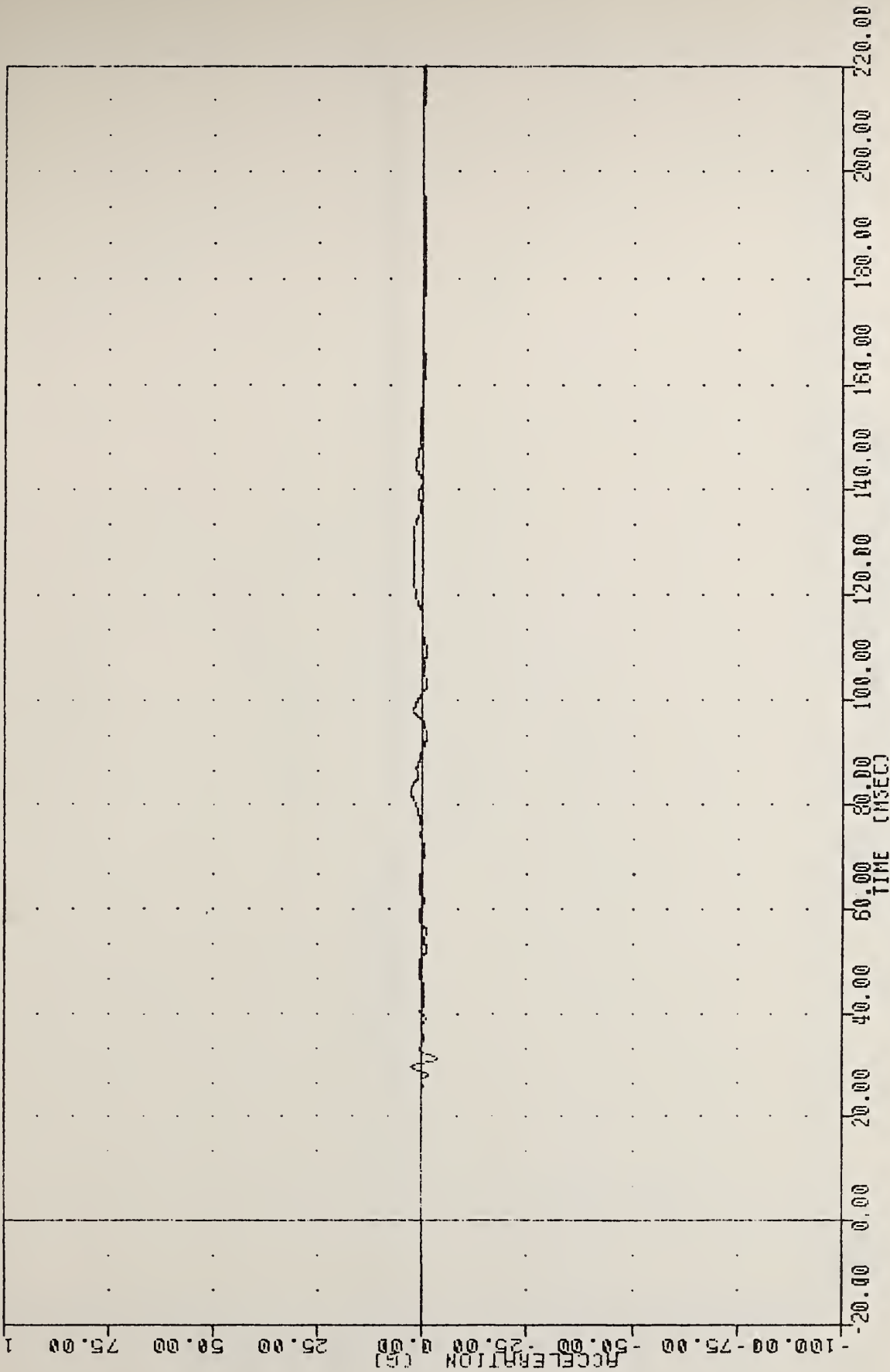
FILTER = 8LFF 300/ 949/ -40

MIN. MAX VALUES = -3.82e

31.25,

2.69 e

82.63



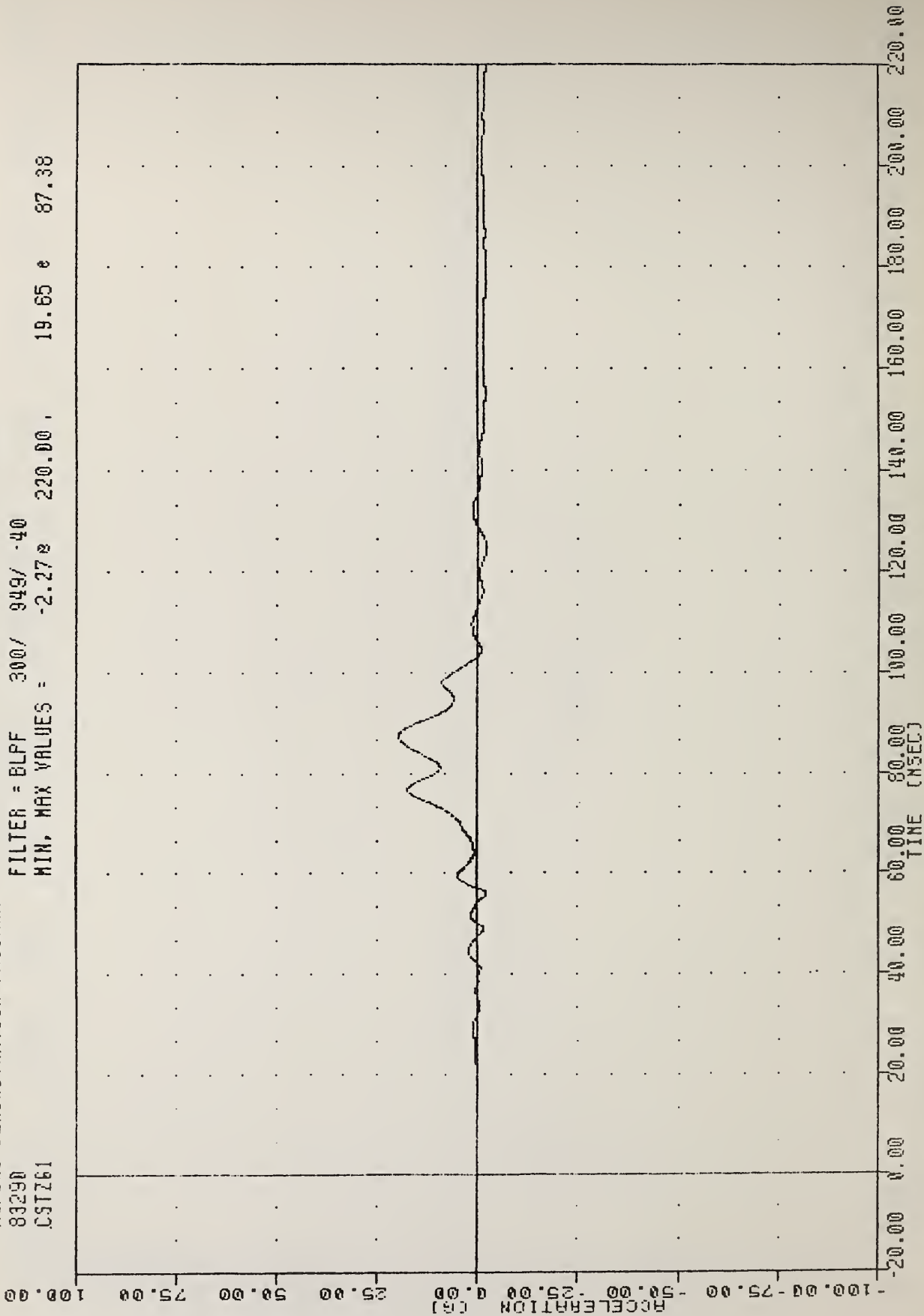
AIRBAG DEMONSTRATION PROGRAM

CHEST ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83290
CSTZ61

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -2.27e 19.65 e 87.38



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

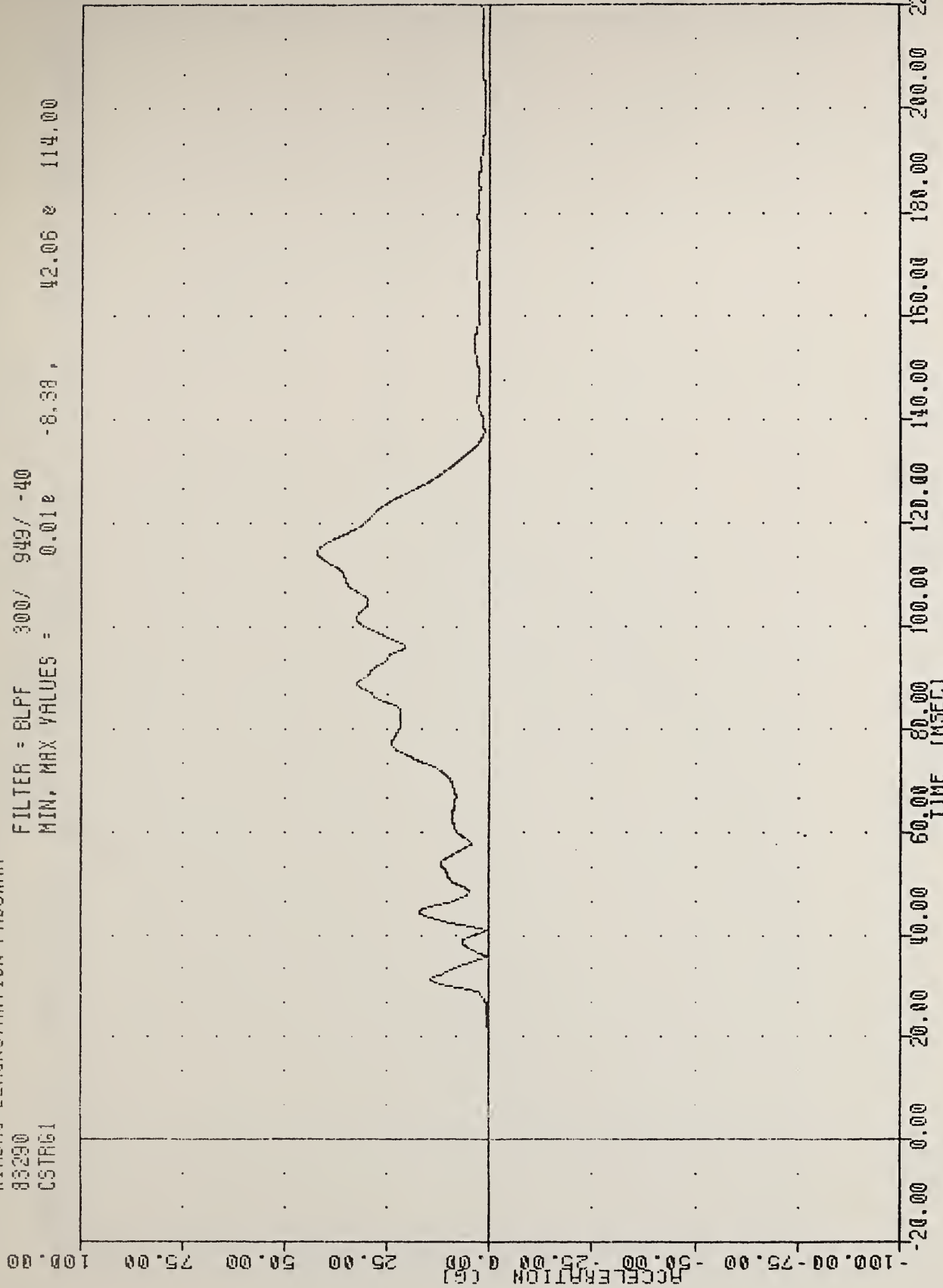
AIRBAG DEMONSTRATION PROGRAM

83290

CSTRG1

FILTER = BLPF 300/ 949/ -40

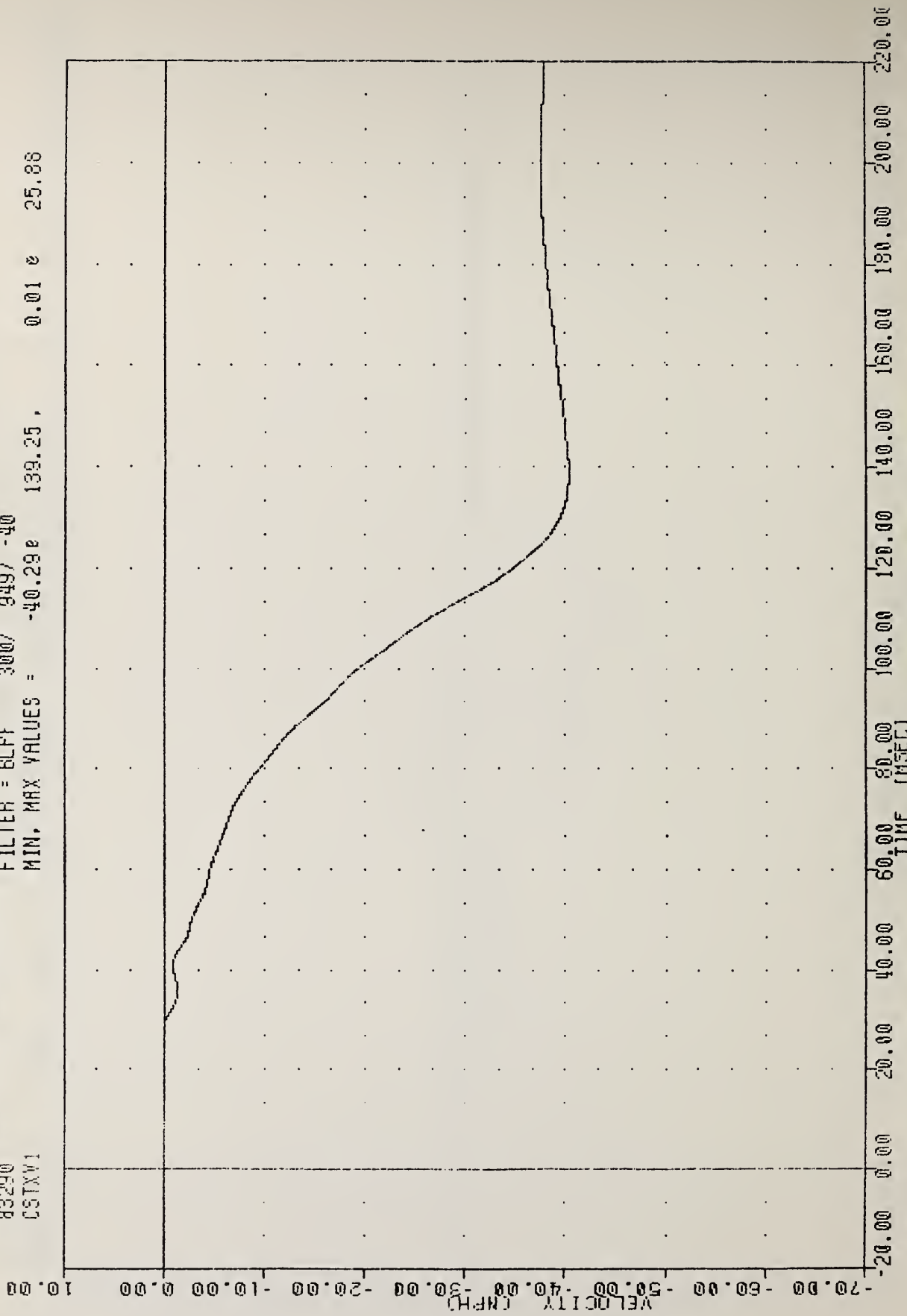
MIN, MAX VALUES = 0.01e -8.38 , 42.06 e 114.00



AIRBAG DEMONSTRATION PROGRAM
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83290
CSTXV1

FILTER = 6LFF 300/ 949/ -40
MIN, MAX VALUES = -40.29e 139.25, 0.01 e 25.86



AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

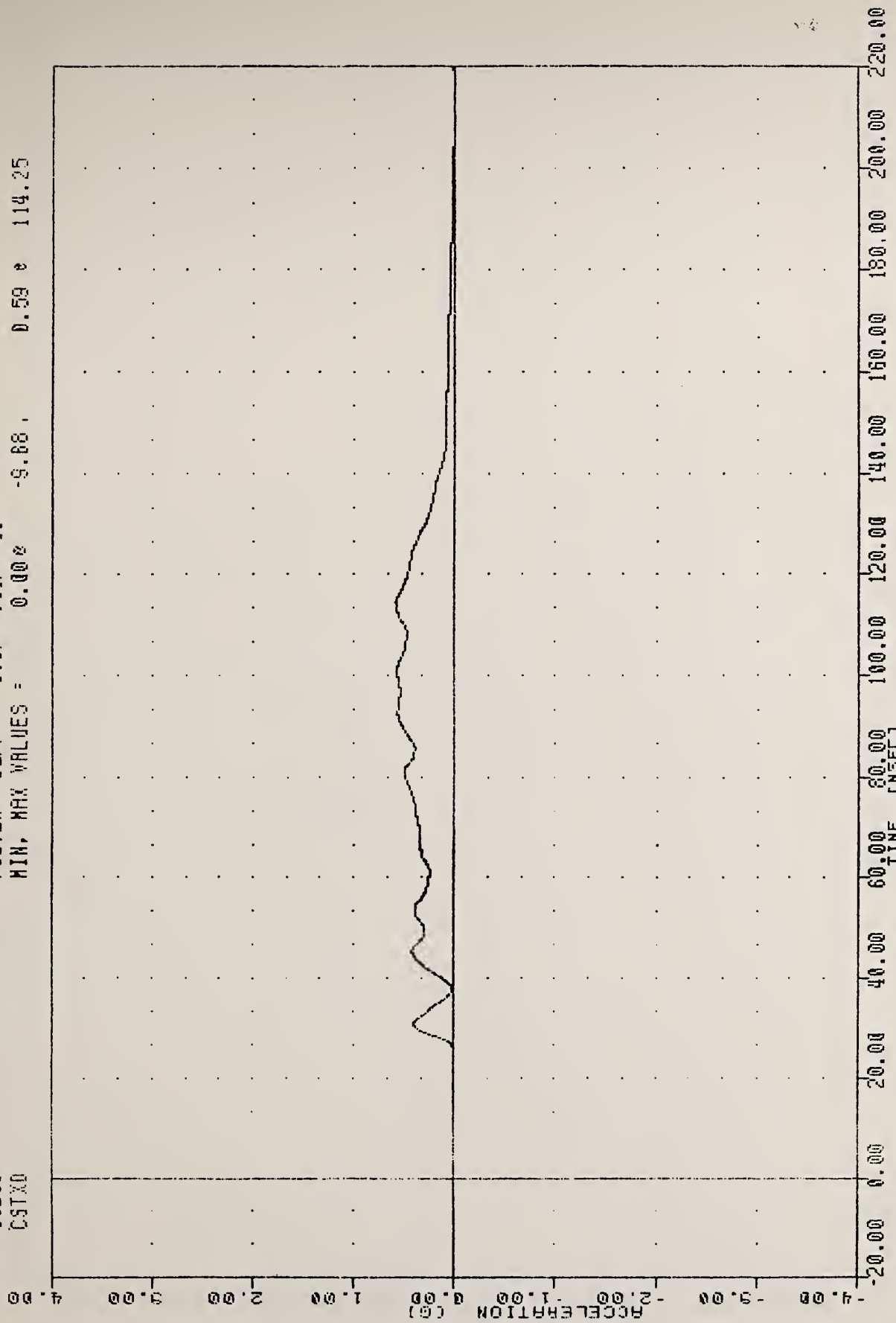
83290

CSTX0

FILTER = 6LFF 300/ 949/ -40

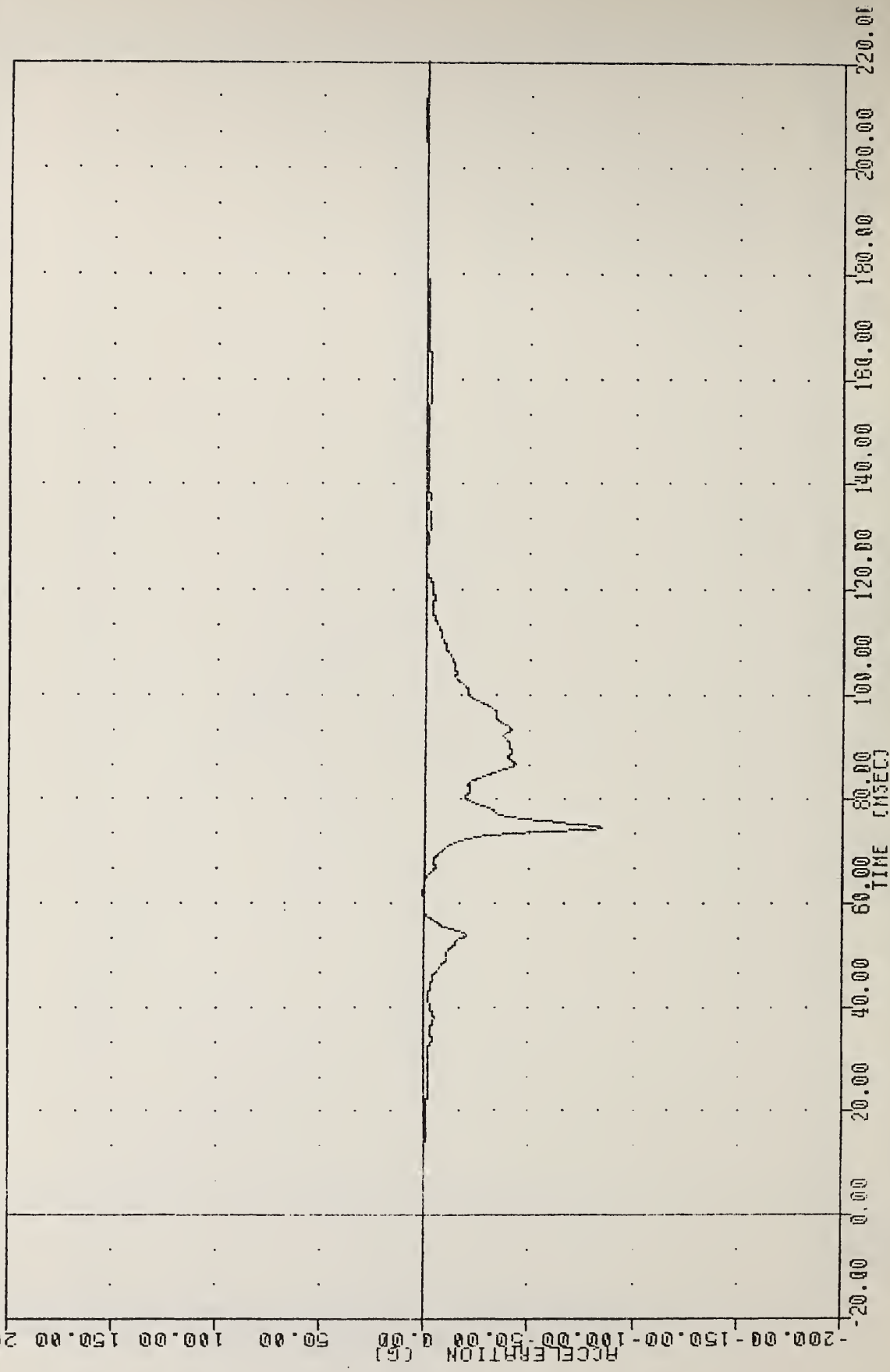
HIN, MAX VALUES = 0.00%

-9.68 , 0.59 e 114.25



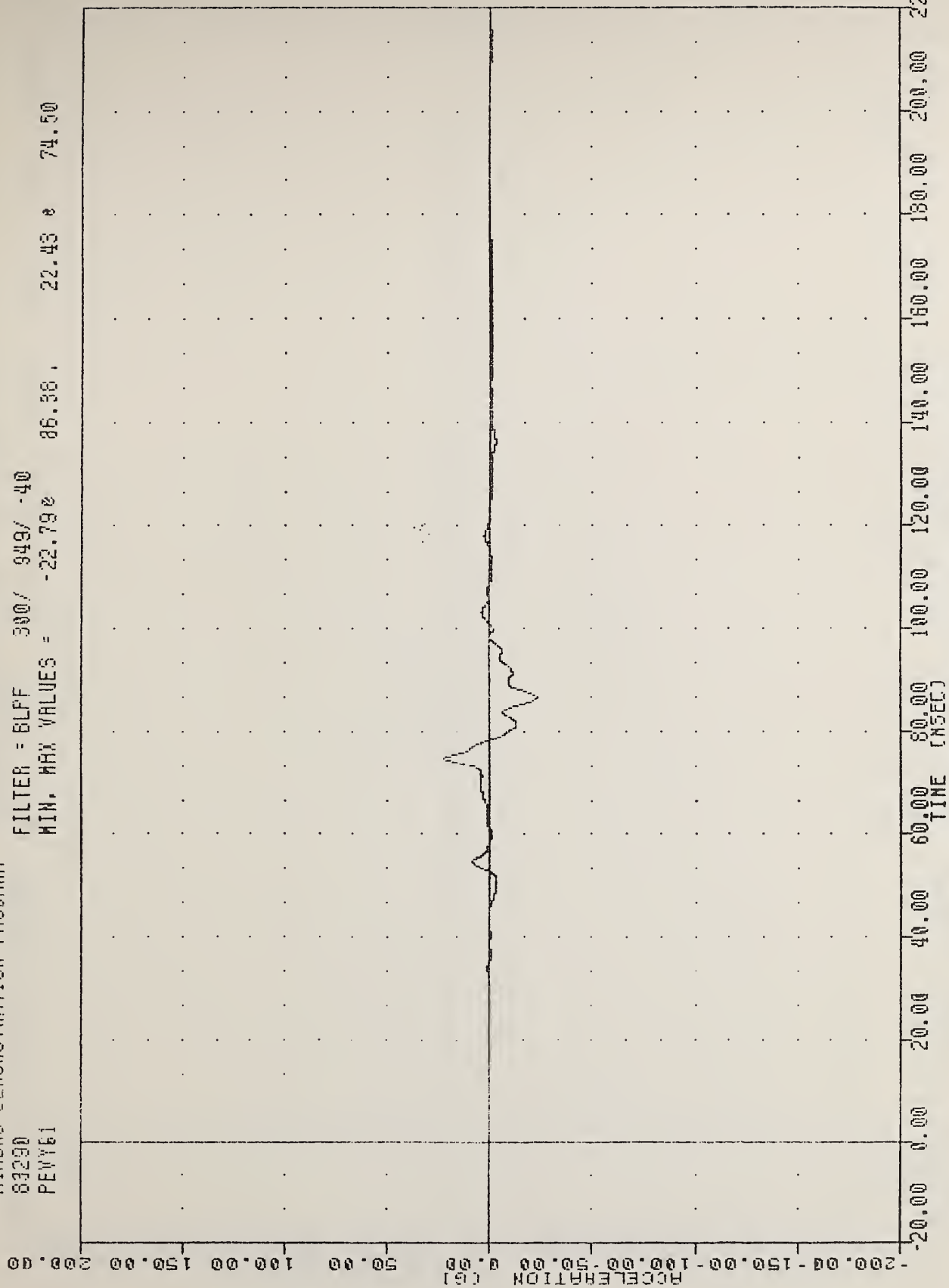
AIRBAG DEMONSTRATION PROGRAM
CHEST DISPLACEMENT 50TH PERCENTILE

VRIC R0583-2-06 PLOT DATE 17-OCT-83 16:17:05
AIRBAG DEMONSTRATION PROGRAM
83290 FILTER = 8LPF 300/ 949/ -40
PEYXG1 MIN. MAX VALUES = -85.04e 74.50, 1.05 e 206.38



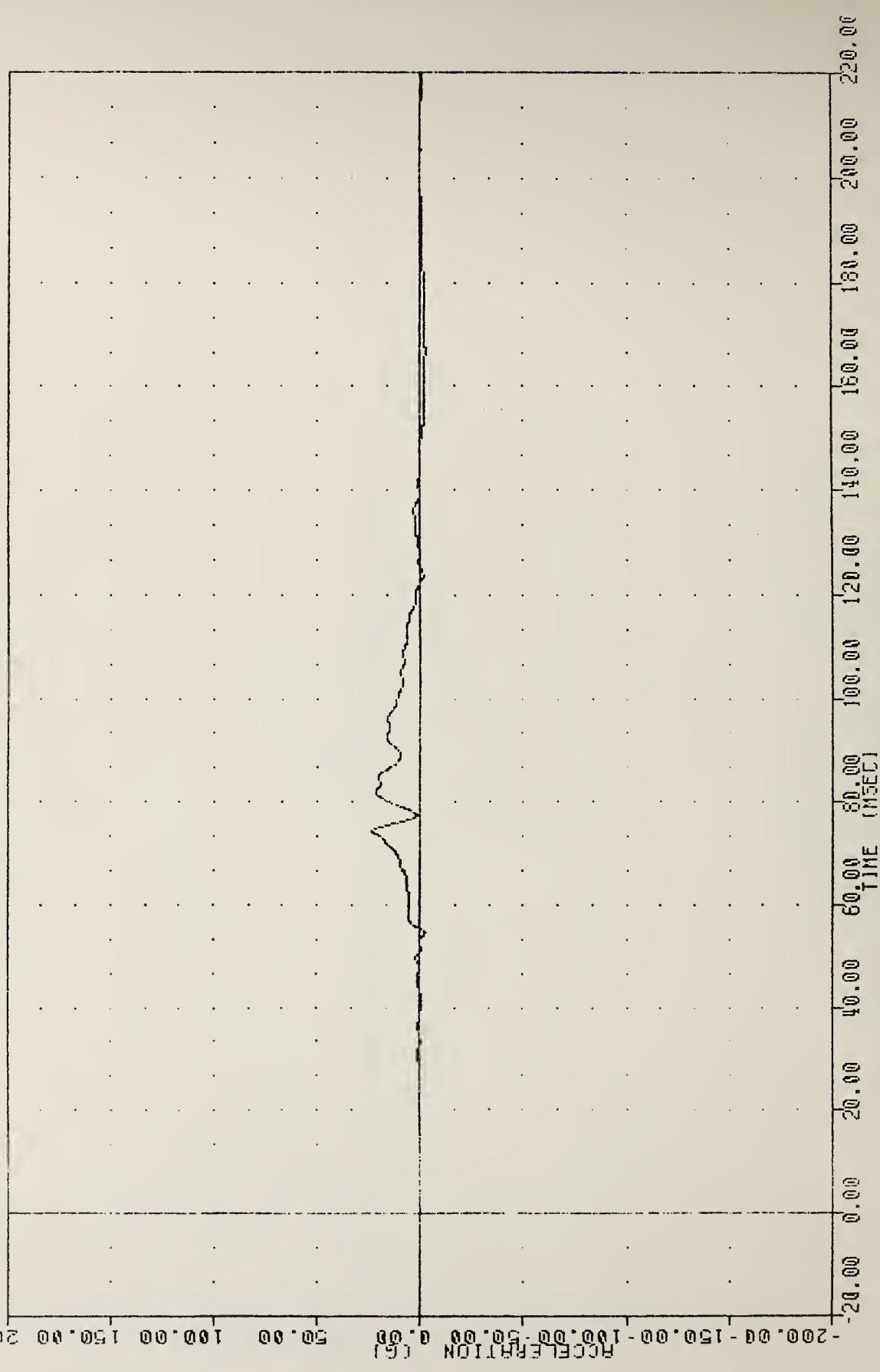
AIRBAG DEMONSTRATION PROGRAM
PFI VIS ACCELERATION X AXIS 50TH PERCENTILE

RD583-2-06 PLOT DATE 17-OCT-83 16:17:05
 AIRBAG DEMONSTRATION PROGRAM
 83290 FILTER = BLPF 300/ 949/ -40
 PEVY61 MIN. MAX VALUES = -22.79e 86.38e 22.45e 74.50



AIRBAG DEMONSTRATION PROGRAM
 PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

NRTC R0588-2-06 PLOT DATE 17-OCT-83 16:17:05
 AIRBAG DEMONSTRATION PROGRAM
 83290 FILTER = BLPF 3000/ 949/ -40
 PEV151 MIN. MAX VALUES = -2.43e 166.63, 23.57 e 74.25

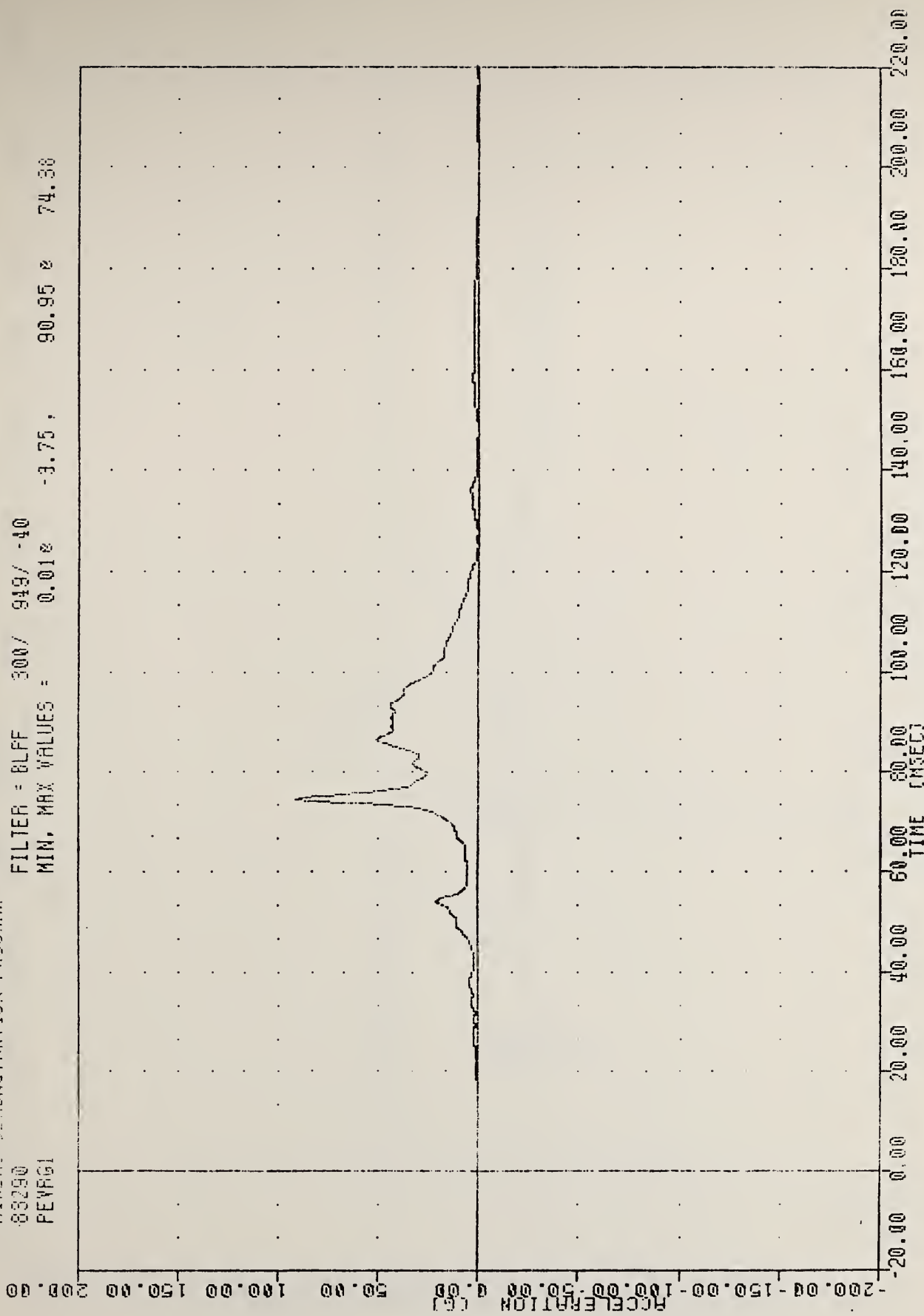


AIRBAG DEMONSTRATION PROGRAM
 PELVIS ACCELERATION 7 AXIS 50TH PERCENTILE

WRIC RD583-2-06
AIRBAG DEMONSTRATION PROGRAM
83290
PEVFGI

PLOT DATE 17-OCT-83 16:17:05

FILTER = 8LFF 300 / 949 / -40
MIN. MAX VALUES = 0.01E -3.75, 90.95 E 74.36



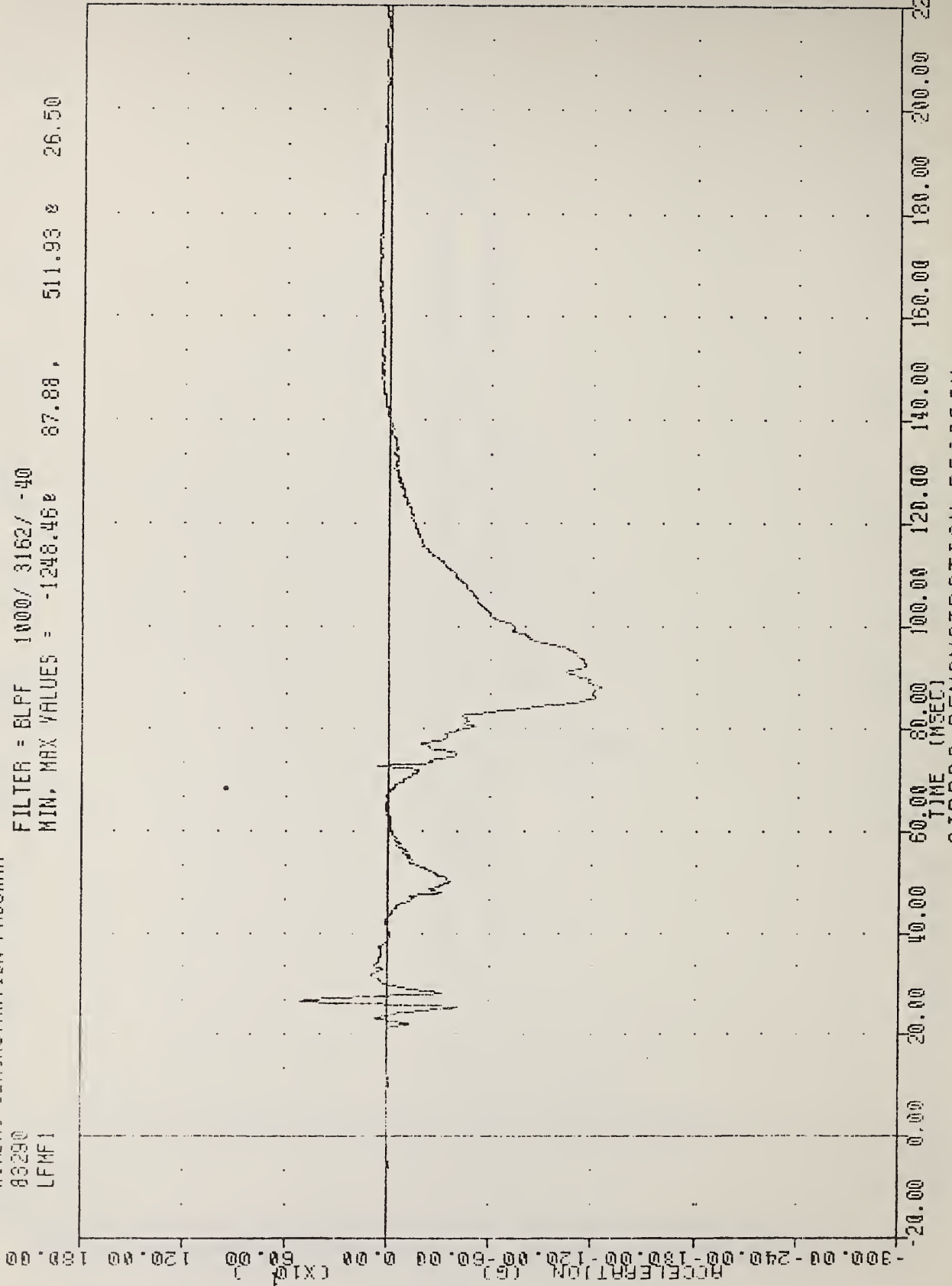
AIRBAG DEMONSTRATION PROGRAM
PER VTS REQUISITANT ACCELERATION 50TH PERCENTILE

VRATC R0583-2-06 PLOT DATE 18-OCT-83 08:30:09

AIRBAG DEMONSTRATION PROGRAM

83290 FILTER = BLPF 1000/ 3162/ -40

LFMF1 MIN. MAX VALUES = -1248.46e 87.88 . 511.93 e 26.50



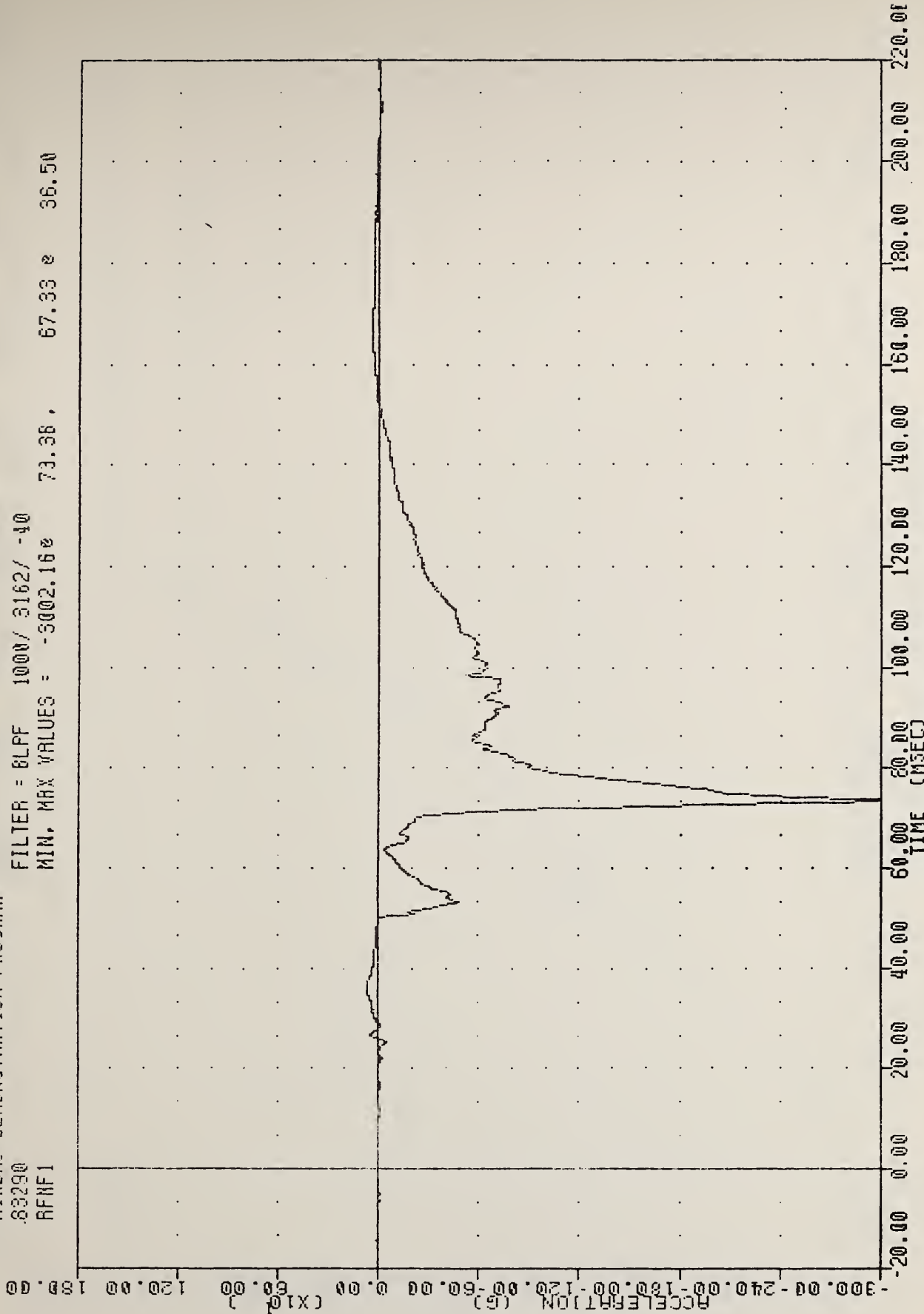
AIRBAG DEMONSTRATION PROGRAM
LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

VRTC
AIRBAG DEMONSTRATION PROGRAM
83290
RNF1

PLOT DATE 18-OCT-83 08:30:09

FILTER = 8LPF 1000/ 3162/ -40

MIN. MAX VALUES = -3002.16e 73.36, 67.33 e 36.50

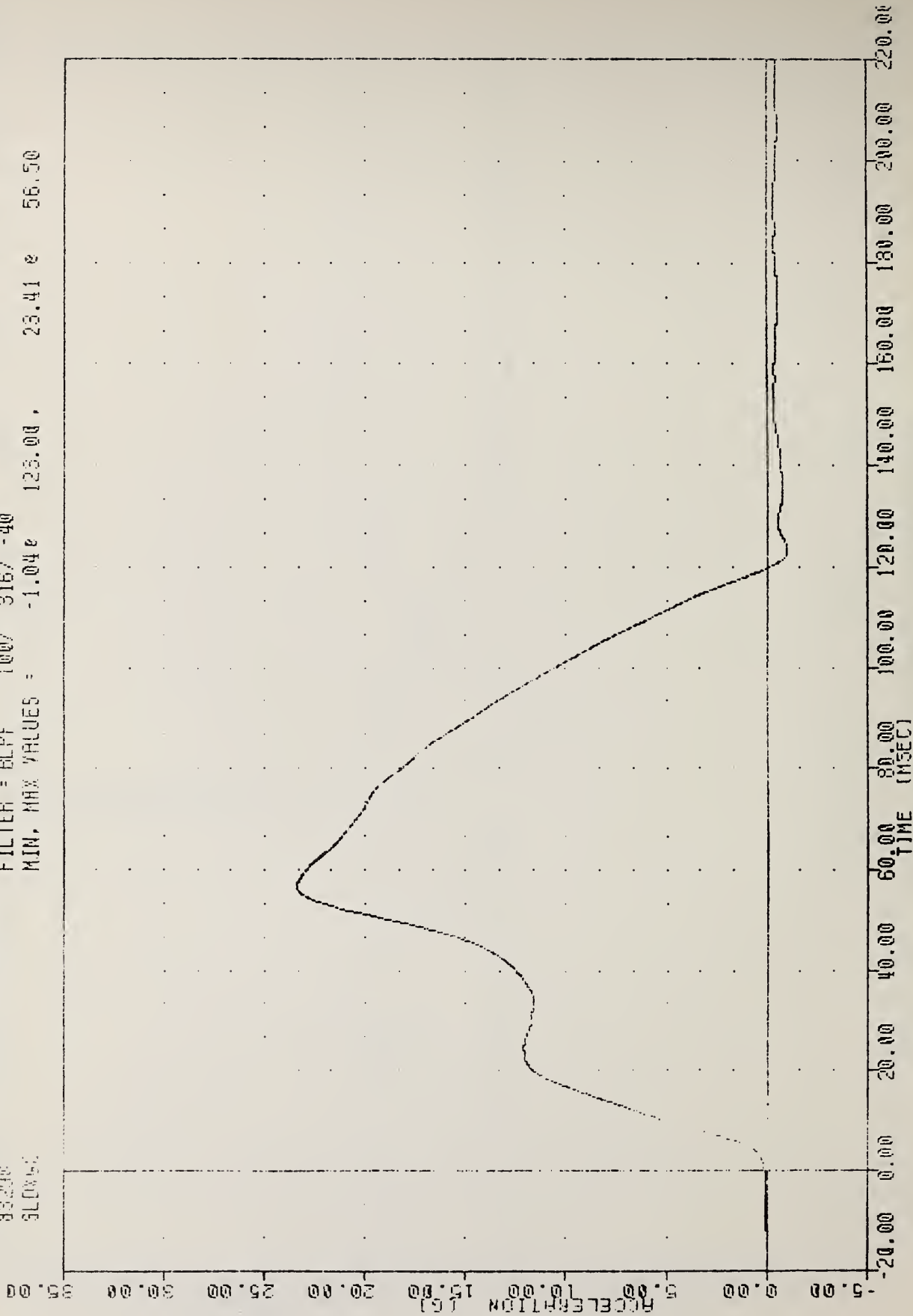


AIRBAG DEMONSTRATION PROGRAM
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

NRIC 80583-2-06
AIRBAG DEMONSTRATION PROGRAM
93290
SLOWED

PLOT DATE 17-OCT-83 16:17:05

FILTER = BLPF 100V 316/ -40
MIN. MAX VALUES = -1.04e 123.00, 23.41 e 56.50



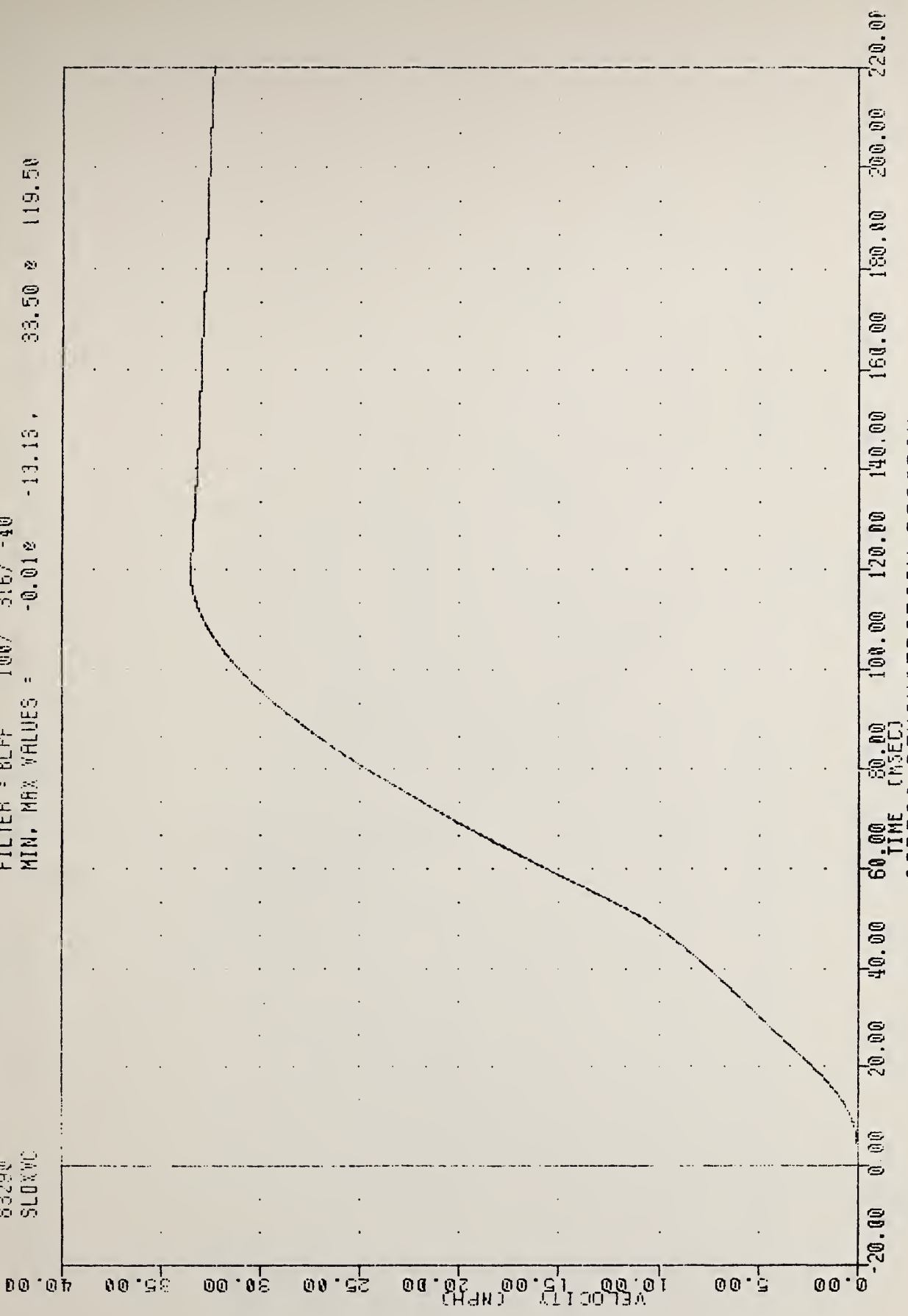
AIRBAG DEMONSTRATION PROGRAM
SIFD ACCELERATION

VRIC 80583-2-06
AIRBAG DEMONSTRATION PROGRAM
83290
SLOWVC

PLOT DATE 17-OCT-83 16:17:05

FILTER = BLFF 100/ 316/ -40

MIN. MAX VALUES = -0.012 -13.13, 33.50 119.50

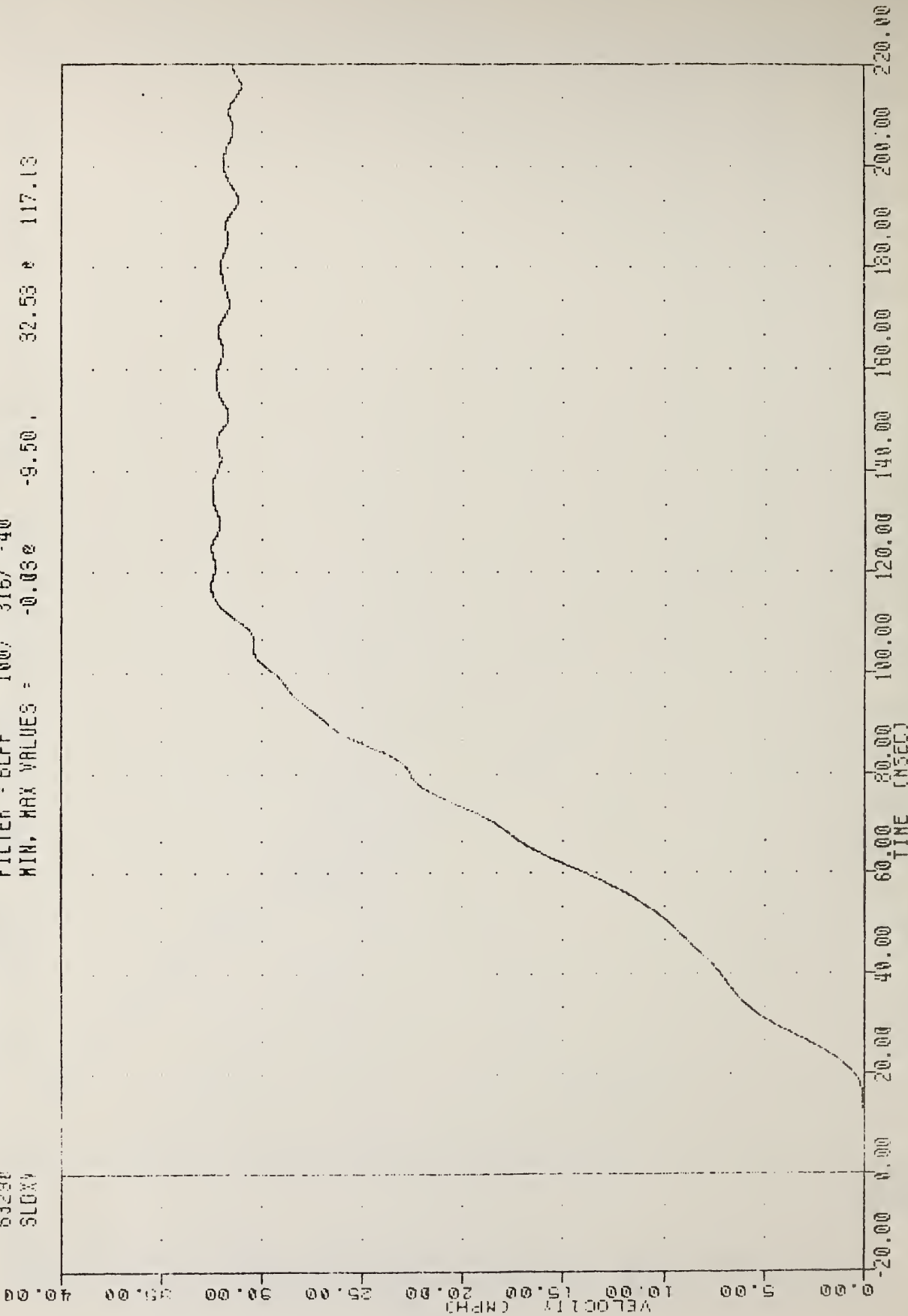


AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SIFED VELOCITY

WRTC RD583-2-06
AIRBAG DEMONSTRATION PROGRAM
83290
SLOW

PLOT DATE 17-OCT-83 16:17:05

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -0.03e -9.50, 32.53 e 117.13



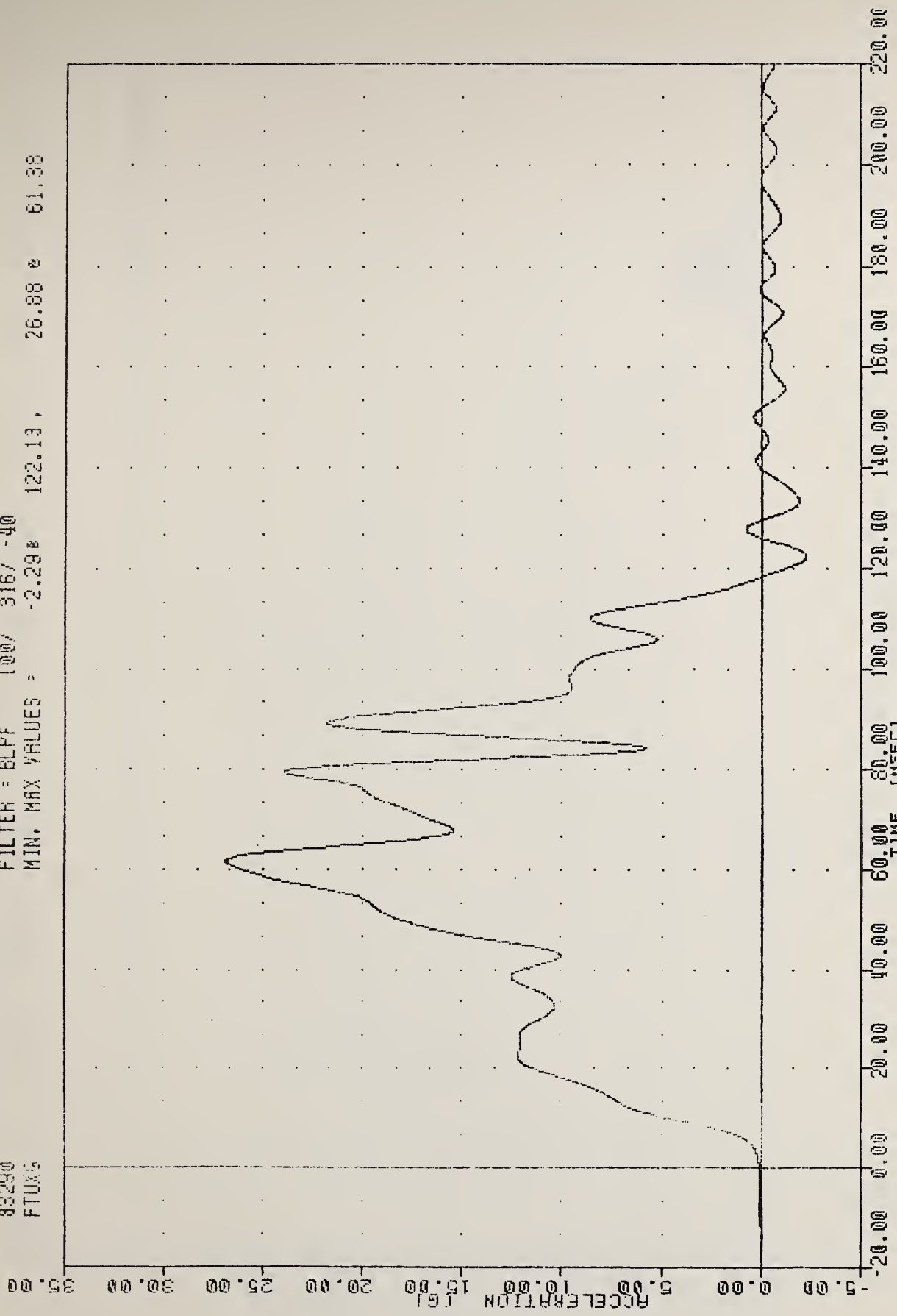
AIRBAG DEMONSTRATION PROGRAM
SPEED VELOCITY

VATIC , R0583-2-06
AIRBAG DEMONSTRATION PROGRAM
83290
FTUXG

PLOT DATE 17-OCT-83 16:17:05

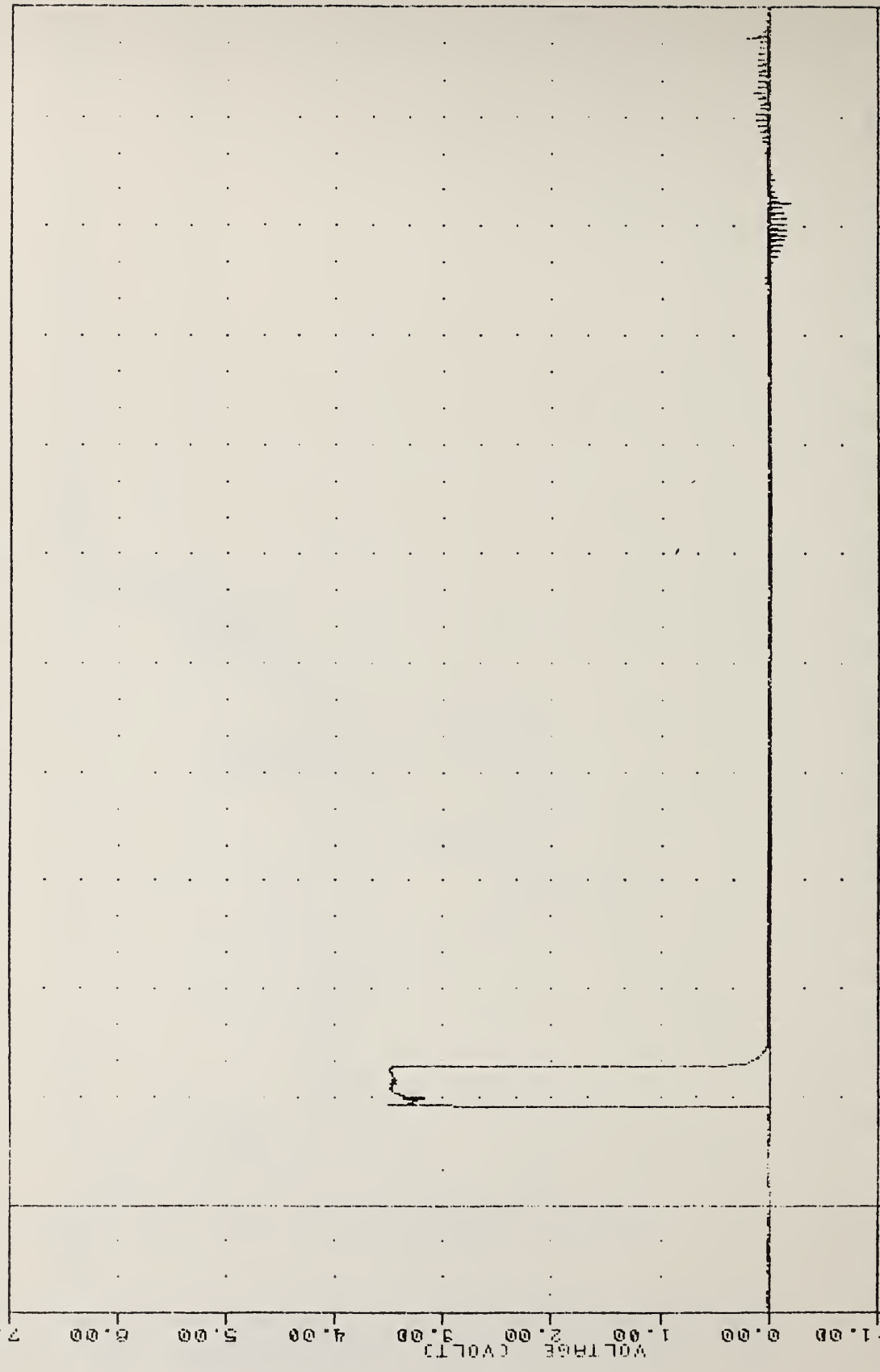
FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -2.29E 122.13, 26.88E 61.38



AIRBAG DEMONSTRATION PROGRAM
FINNE PAN TIMNEI ACCIFFRATION

VBTC AD583-2-06 PLOT DATE 17-OCT-83 16:17:05
 AIRBAG DEMONSTRATION PROGRAM
 83290 FILTER = ALPF 1650/ 5214/ -40
 RBFTI MIN. MAX VALUES = -0.20e 184.38, 3.51 e 18.25



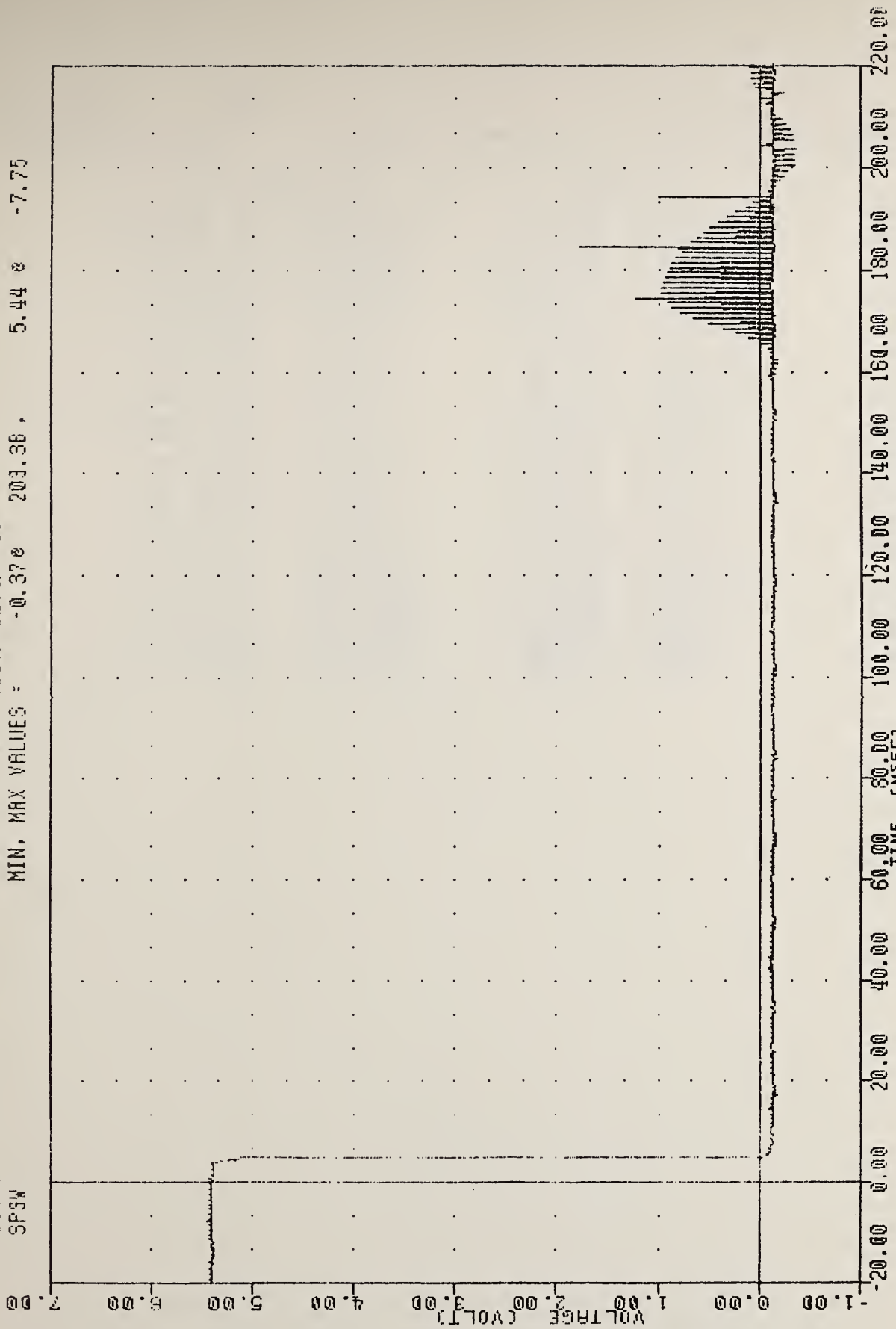
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00
 TIME (NSEC)
 AIRBAG DEMONSTRATION PROGRAM
 AIR BAG FIRING FVFT 50TH PERCENTILE

VRTC RD583-2-06
AIRBAG DEMONSTRATION PROGRAM
83290
SPSW

PLOT DATE 17-OCT-83 16:17:05

FILTER = RLFF 1650/ 5214/ -40

MIN, MAX VALUES = -0.37e 203.36, 5.44 e -7.75



AIRBAG DEMONSTRATION PROGRAM
SLED POSITION SWITCH

DEMONSTRATION PROGRAM

0.0 mph

83291

VRTC

RD583-2-07

18-OCT-83 15:36:30

	Min value		Max value		Unit
SPSW	-1.277 @	5.000	5.459 @	0.500 msec	volt
SLDXGC	-0.739 @	124.125	23.248 @	57.125 msec	g
SLDXVC	-0.011 @	-12.250	33.404 @	121.000 msec	mph
SLDXV	-0.034 @	-25.000	32.494 @	136.875 msec	mph
FTUXG	-4.329 @	123.625	26.506 @	65.000 msec	g
HEDXG1	-189.671 @	99.375	11.326 @	208.000 msec	g
HEDXV1	-40.240 @	169.375	0.239 @	42.000 msec	mph
HEDYG1	-6.546 @	200.375	80.817 @	99.375 msec	g
HEDZG1	-71.385 @	102.750	8.920 @	112.250 msec	g
CSTXG1	-35.832 @	72.625	17.976 @	206.125 msec	g
CSTXV1	-39.526 @	199.625	0.007 @	28.750 msec	mph
CSTYG1	-13.126 @	199.625	11.147 @	89.625 msec	g
CSTZG1	-6.136 @	59.250	14.866 @	98.250 msec	g
PEVXG1	-27.259 @	91.000	3.699 @	138.500 msec	g
PEVYG1	-7.640 @	94.750	8.844 @	58.125 msec	g
PEVZG1	-3.775 @	211.250	32.583 @	79.375 msec	g
CSTXD	-0.023 @	226.875	0.619 @	85.875 msec	g
LFMF1	-413.315 @	198.375	174.046 @	75.625 msec	lb
RFMF1	-433.055 @	90.125	165.388 @	66.875 msec	lb
SHBF1	-4.090 @	270.375	1493.739 @	81.250 msec	lb
HEDRG1	0.012 @	-25.000	208.439 @	99.375 msec	g
CSTRG1	0.002 @	-1.000	37.248 @	80.000 msec	g
PEVRG1	0.003 @	-23.000	39.930 @	88.875 msec	g

* * * HIC computation for TRC215I 18-OCT-83 15:35:58

HEDRG1 VRTC RD583-2-07 83291 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 208.44 @ 99.375

HIC = 865.01 Interval from 98.625 [990] to 103.000 [1025]

Elapsed time = 11.23 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

VRTC R0583-2-07 FLOT DATE 18-OCT-83 15:32:44

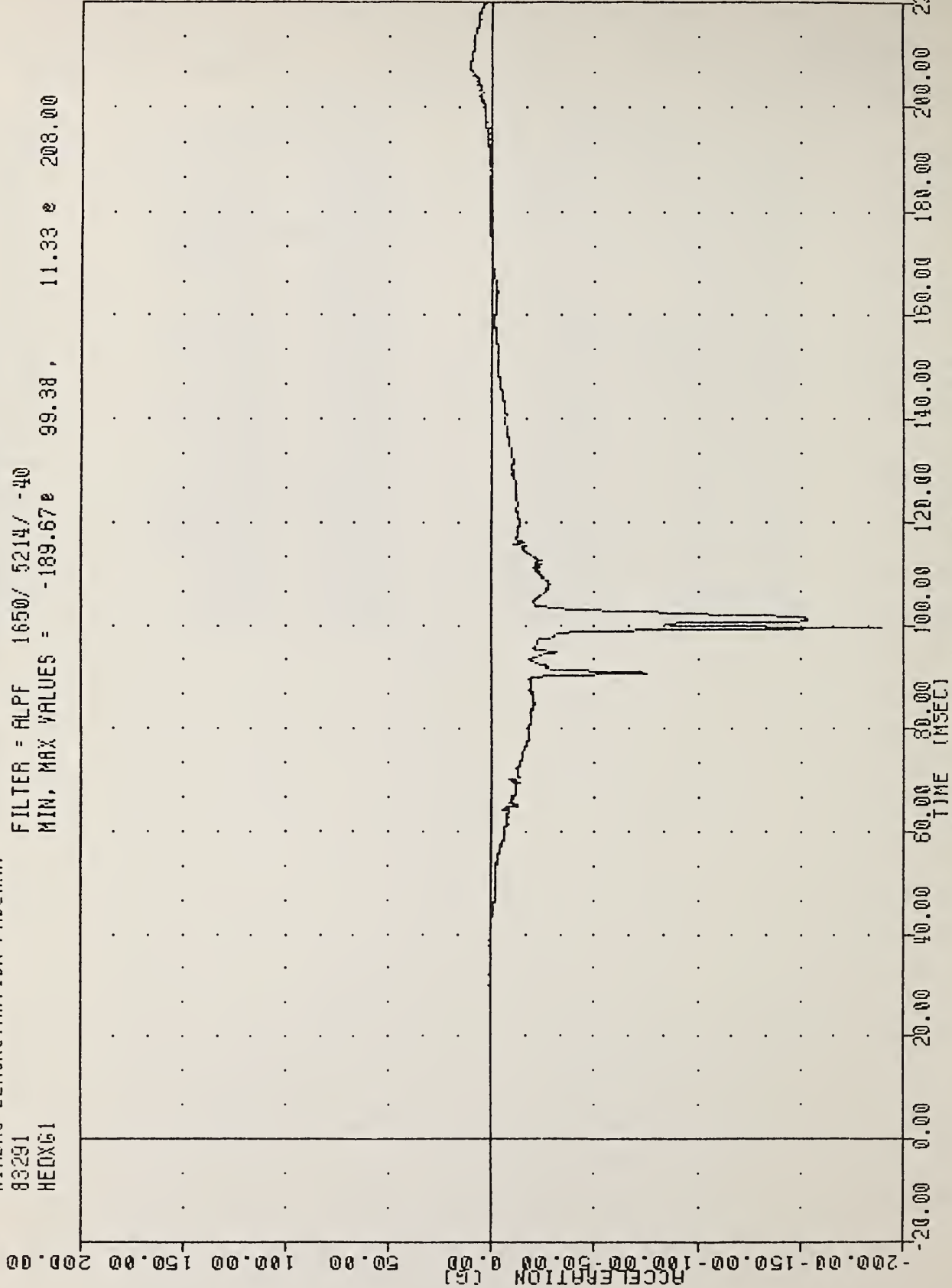
AIRBAG DEMONSTRATION PROGRAM

83291

FILTER = ALPF 1650/ 5214/ -40

HEAD51

MIN, MAX VALUES = -189.67e 99.38, 11.33 e 208.00



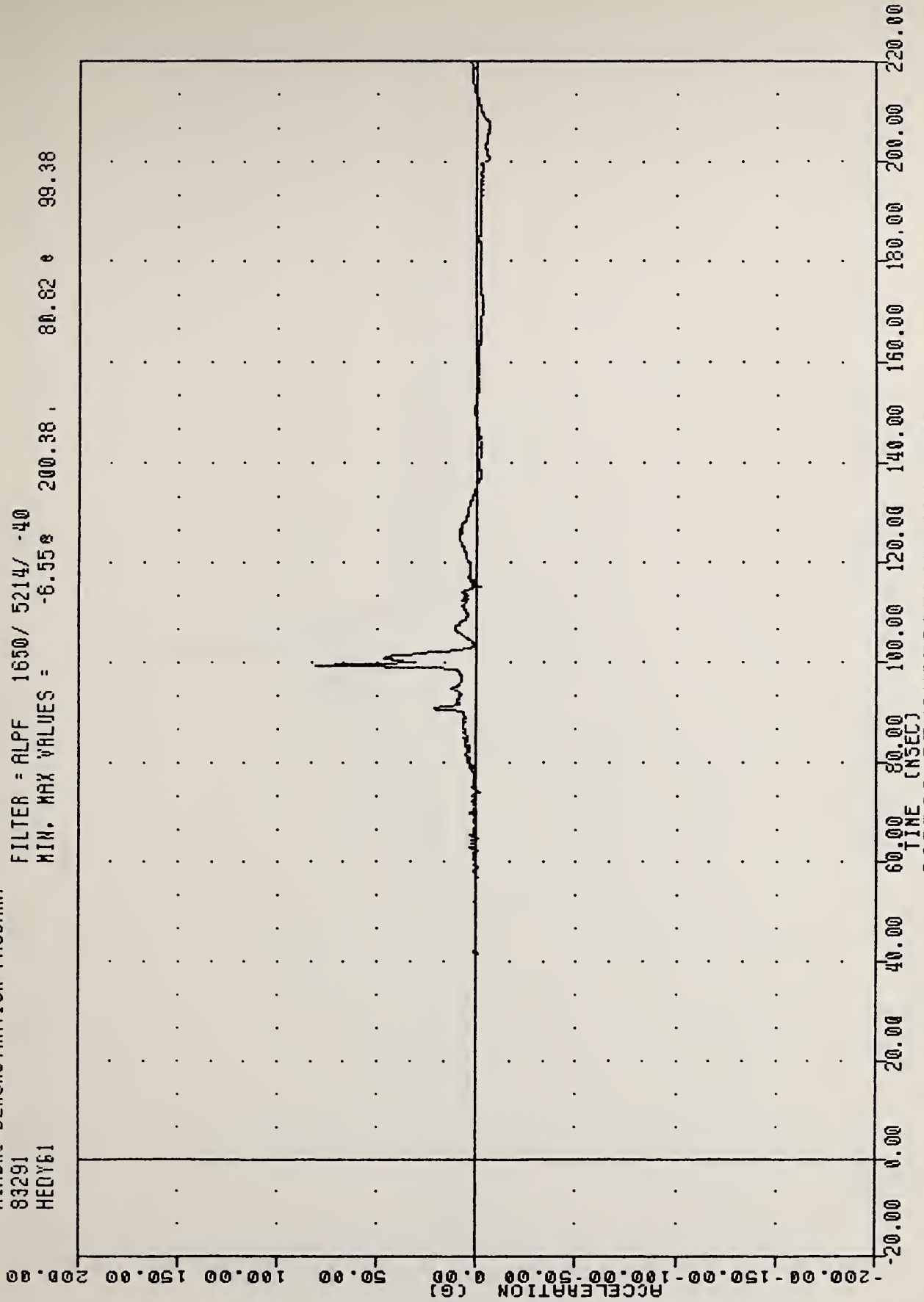
AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

VATIC RD583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
HEDY61

PLOT DATE 18-OCT-83 15:32:44

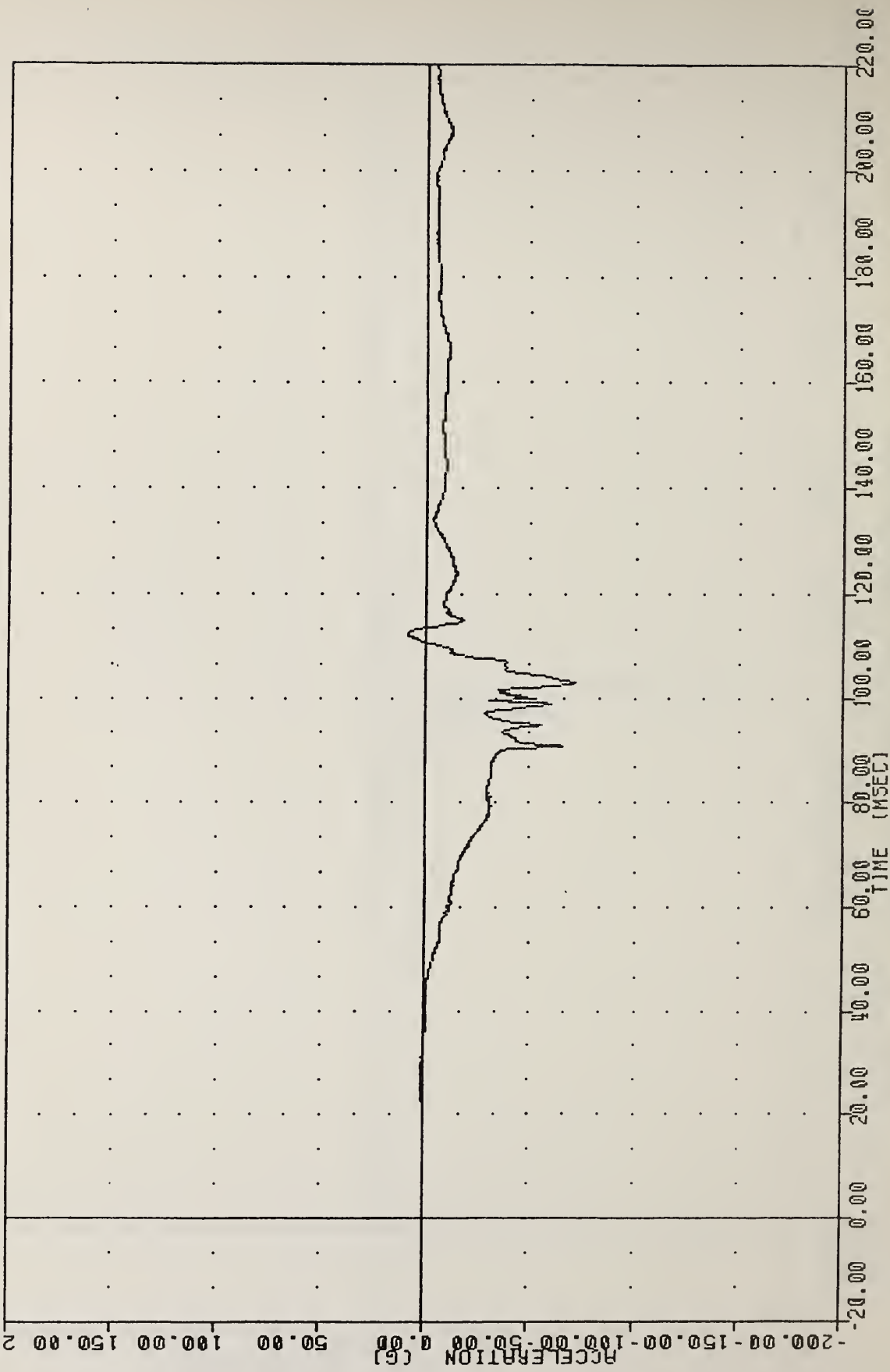
FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -6.55s 200.38s 80.82 e 99.38



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

VRTC RD583-2-07 PLOT DATE 18-OCT-83 15:32:44
 AIRBAG DEMONSTRATION PROGRAM
 83291 FILTER = ALPF 1650/ 5214/ -40
 HEDZ61 MIN. MAX VALUES = -71.388 102.75, 8.92 112.25



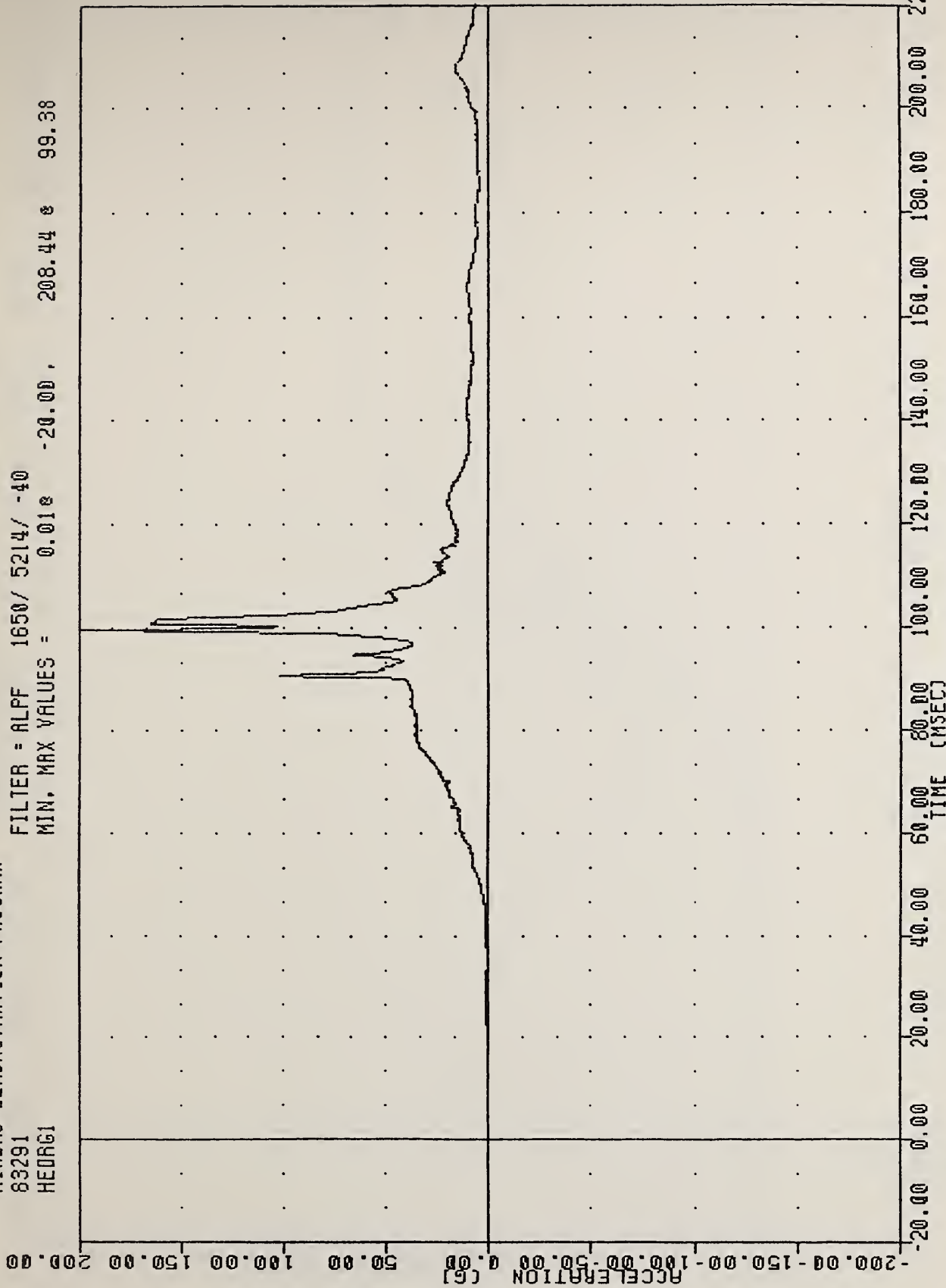
AIRBAG DEMONSTRATION PROGRAM
 MEAN ACCELERATION 7 AVG 50TH PERCENTILE

VRTC RD583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
HEADRG1

PLOT DATE 18-OCT-83 15:32:44

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.018 -20.00 , 208.44 8 99.38

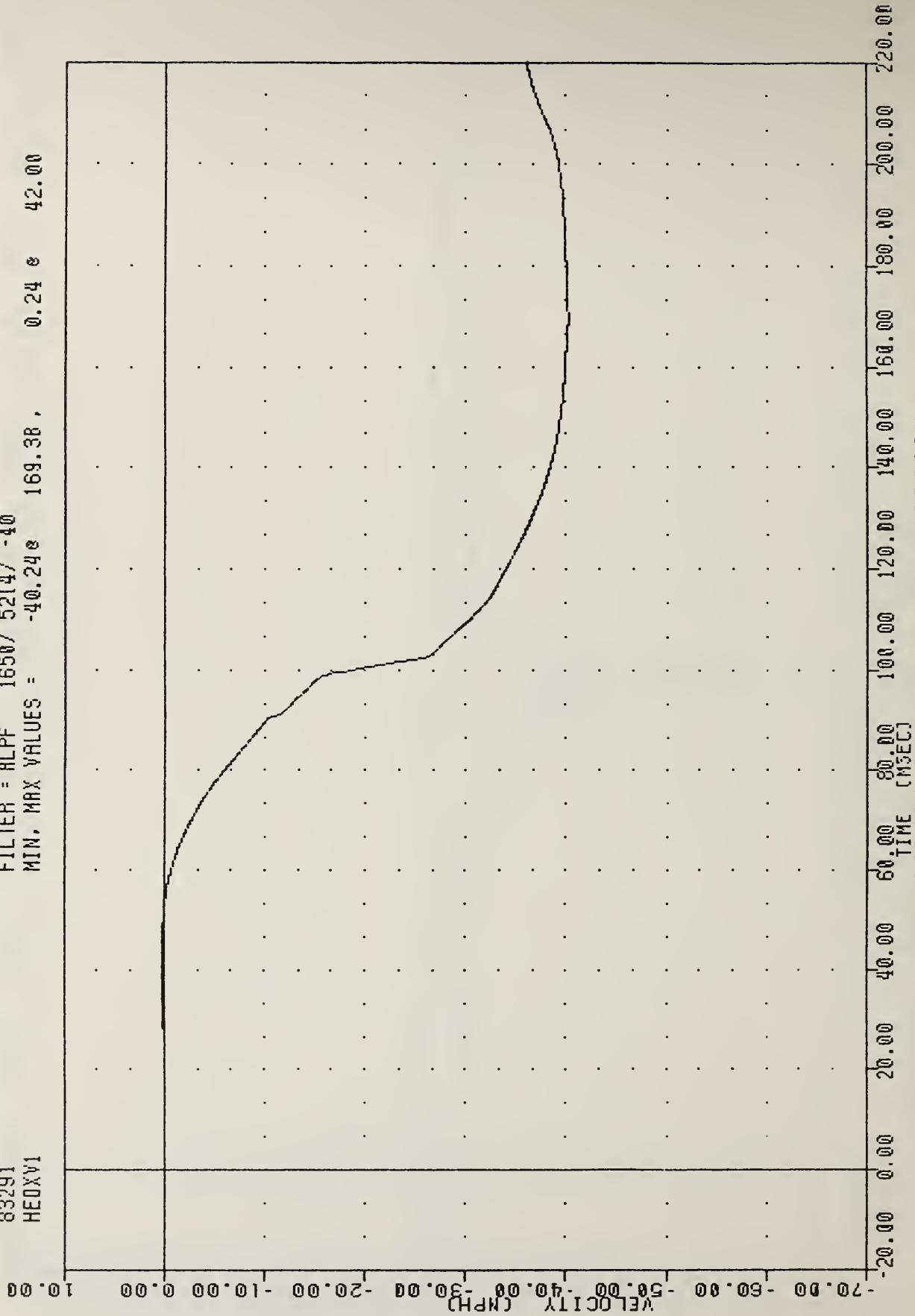


AIRBAG DEMONSTRATION PROGRAM
HEADRG1
50TH PERCENTILE

VRTC R0583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
HEADV1

PLOT DATE 18-OCT-83 15:32:44

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -40.24e 169.38, 0.24 e 42.00



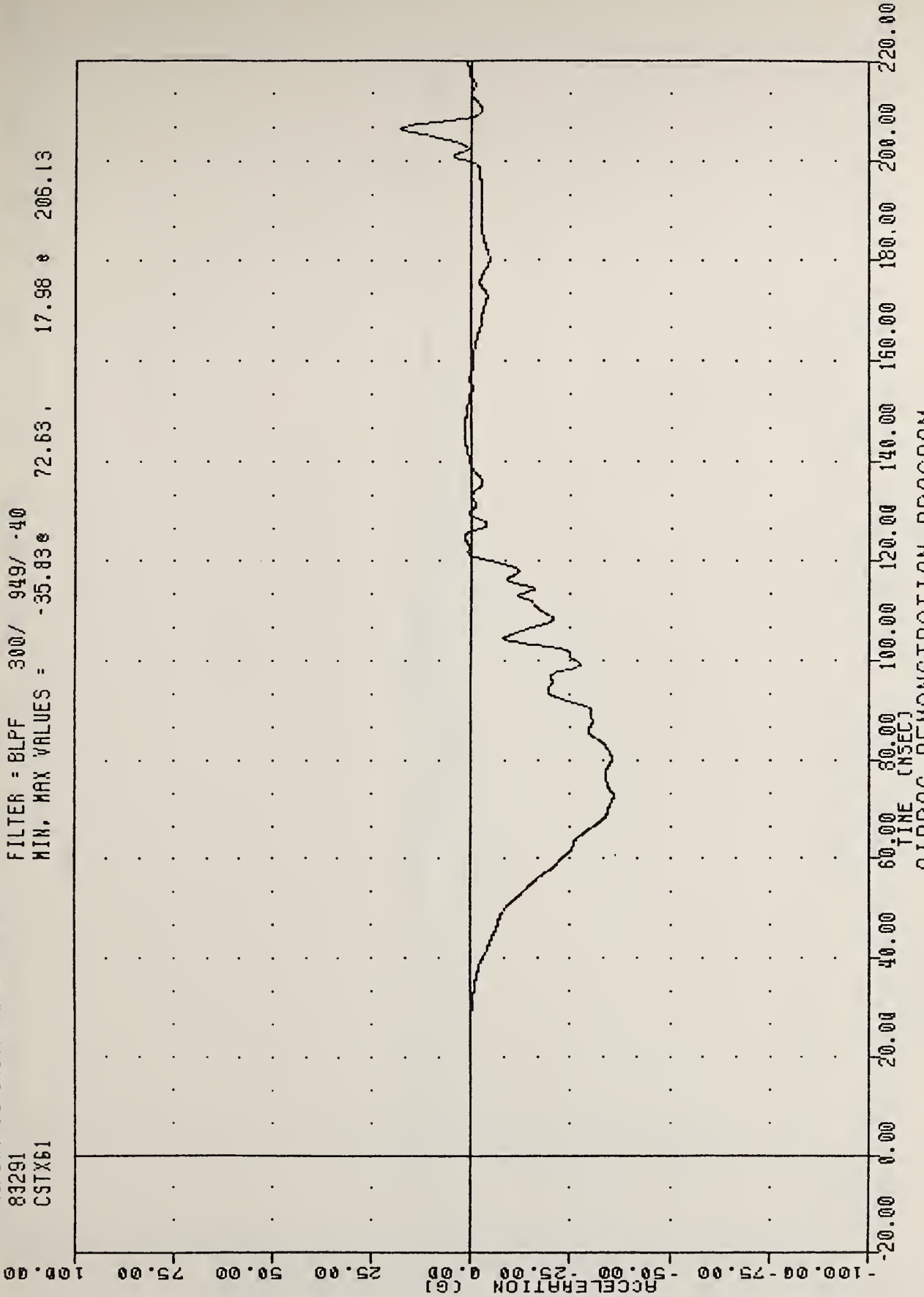
AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 50TH PERCENTILE

VATC RD583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
CSTX61

PLOT DATE 18-OCT-83 15:32:44

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -35.83 72.63 , 17.98 206.13



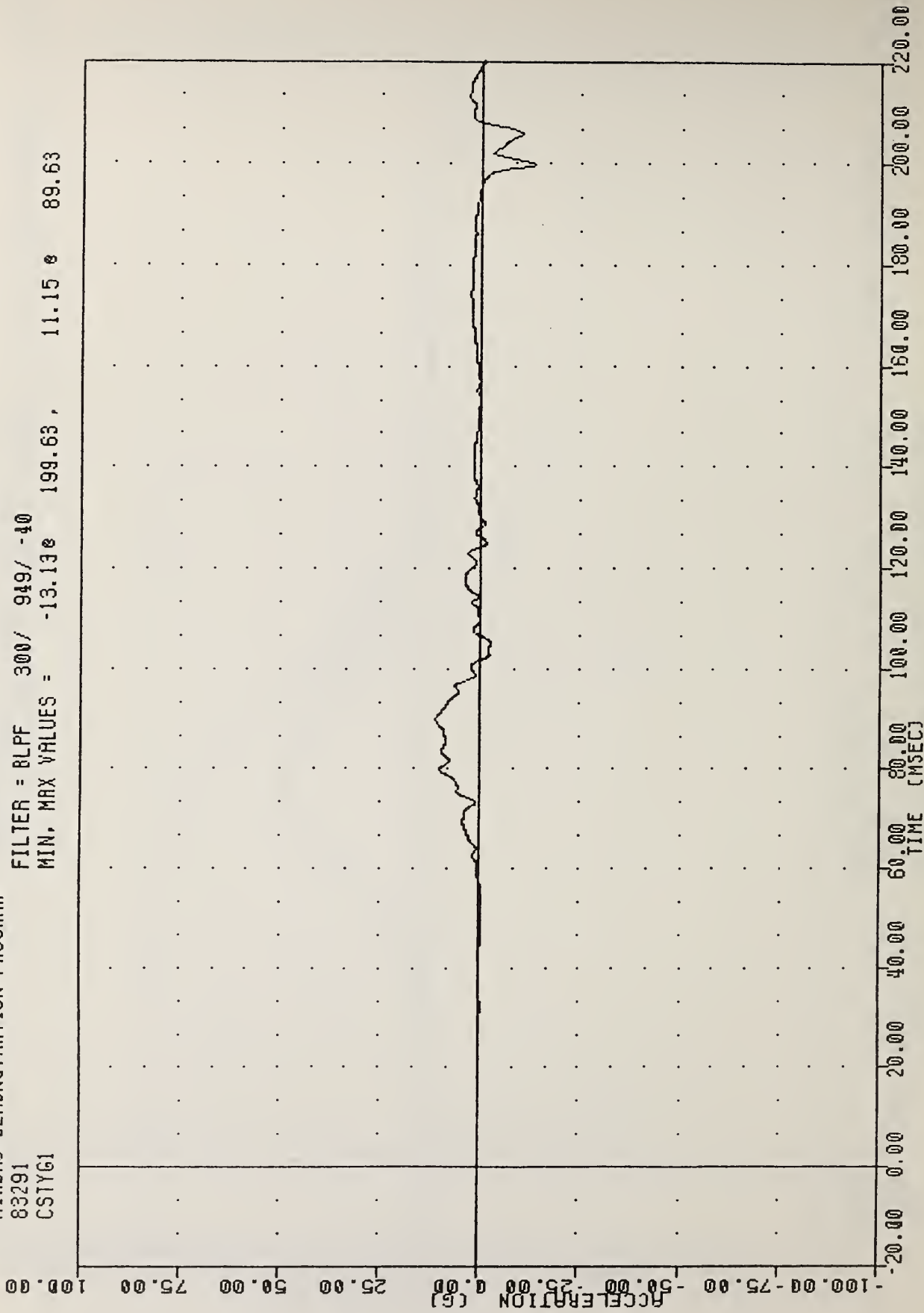
AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Y AXIS EMU PERCENTAGE

RD583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
CSTYG1

PLOT DATE 18-OCT-83 15:32:44

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -13.13 199.63 , 11.15 89.63

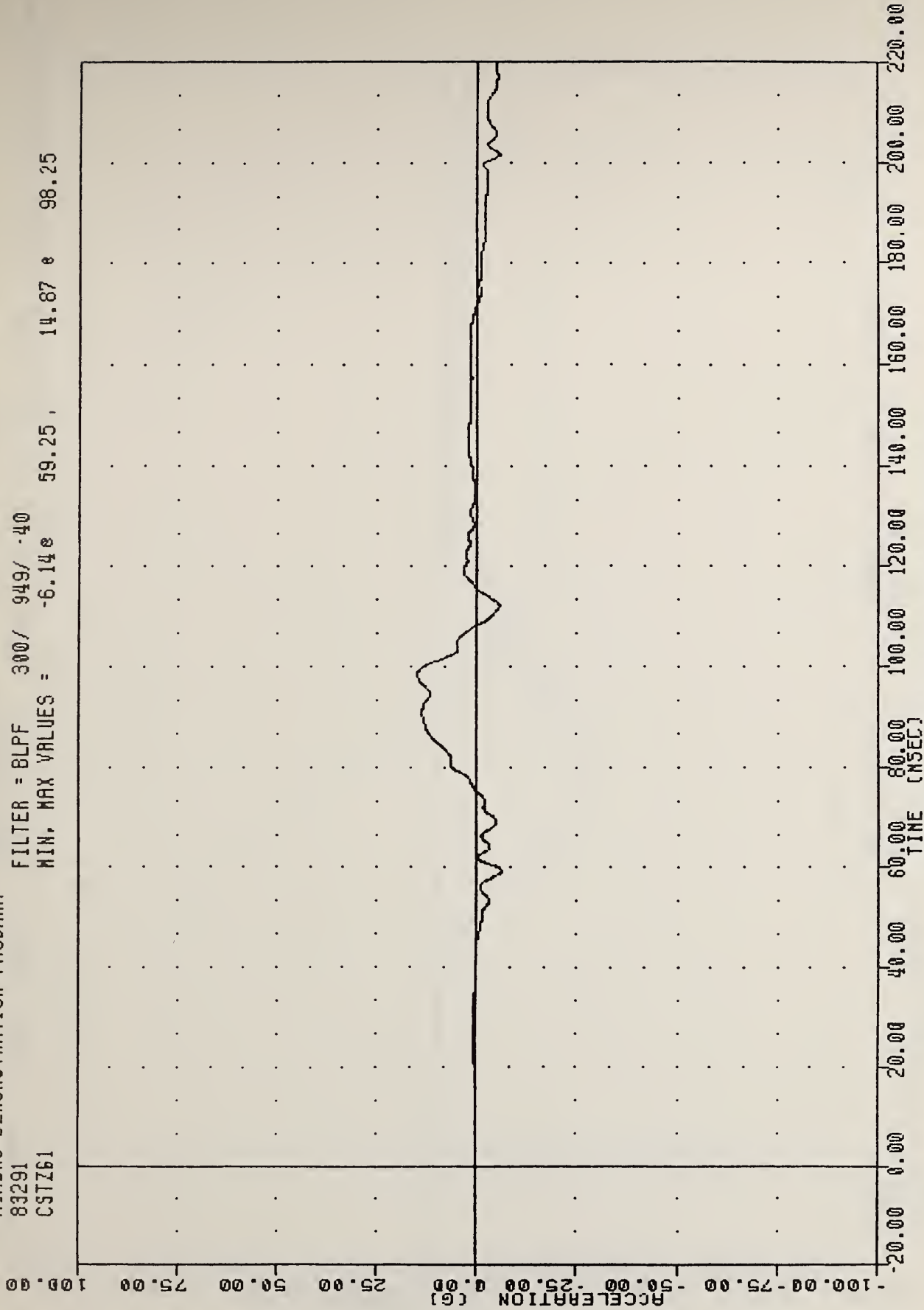


VRTC RD583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
CSTZ61

PLOT DATE 18-OCT-83 15:32:44

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -6.14e 59.25 , 14.87 e 98.25



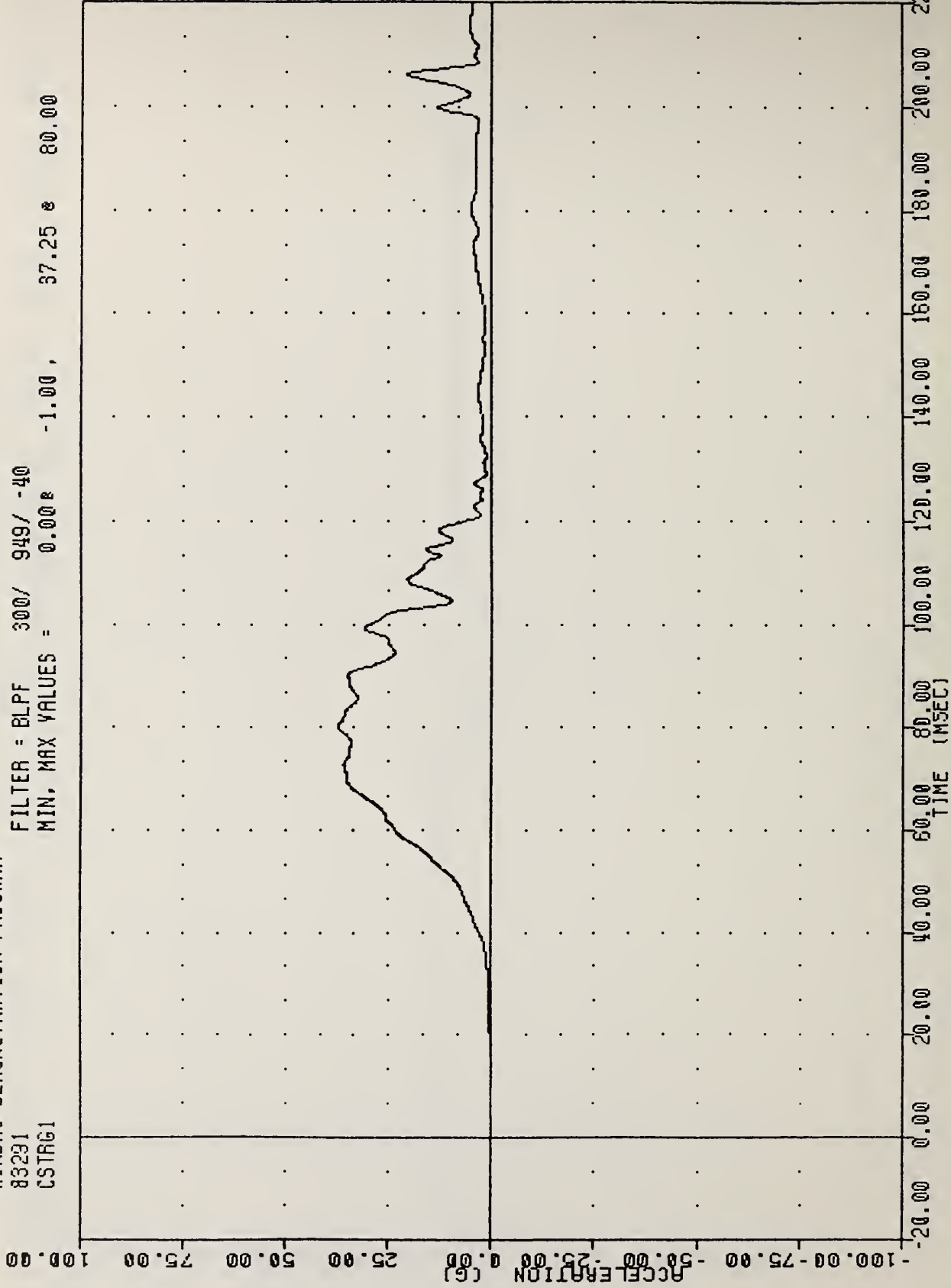
AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

YRTC , R0583-2-07
AIRBAG DEMONSTRATION PROGRAM
83231
CSTRG1

PLOT DATE 18-OCT-83 15:32:44

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = 0.00E -1.00, 37.25 E 80.00

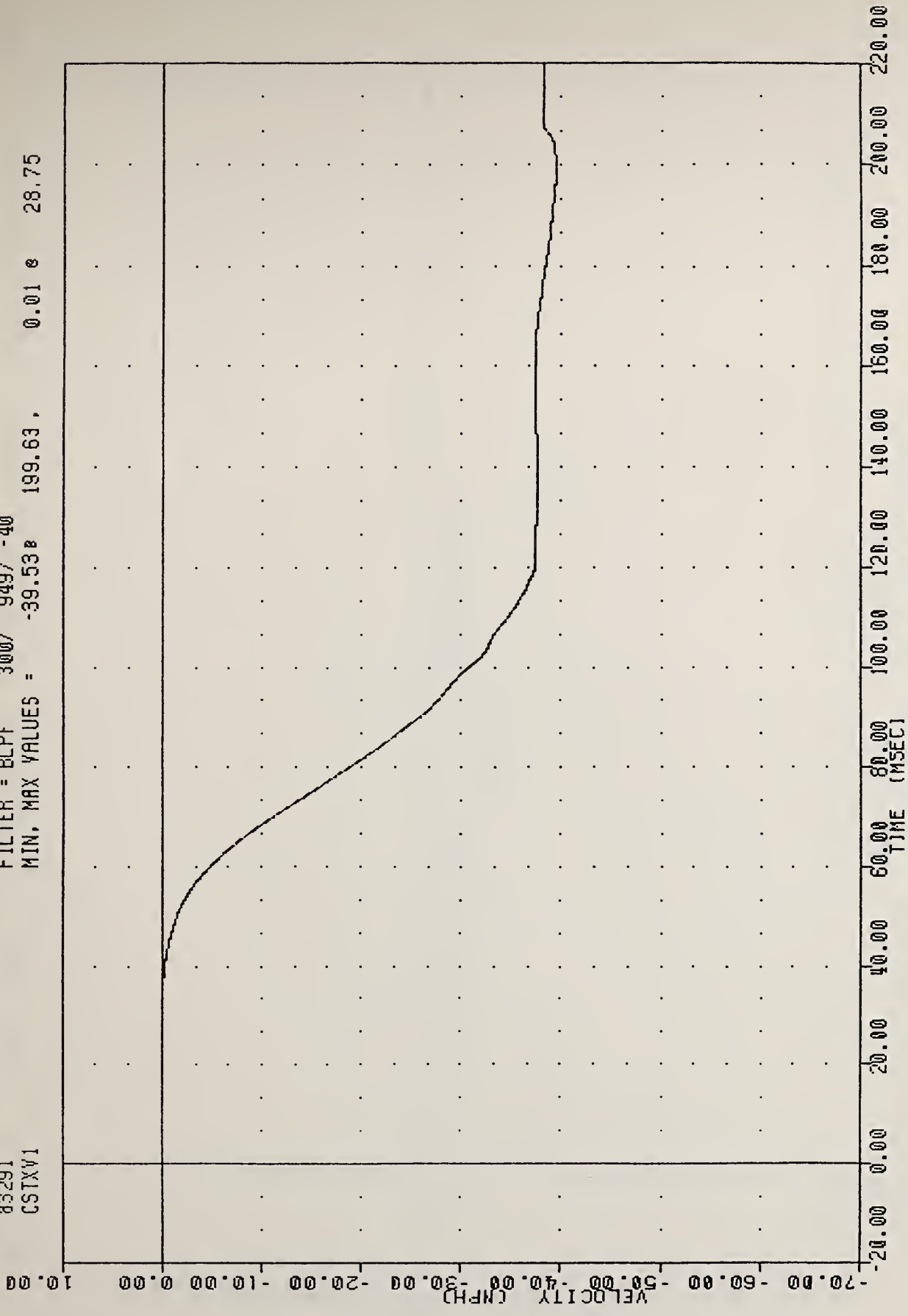


AIRBAG DEMONSTRATION PROGRAM
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83291
CSTXV1

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -39.53B 199.63, 0.01 e 28.75

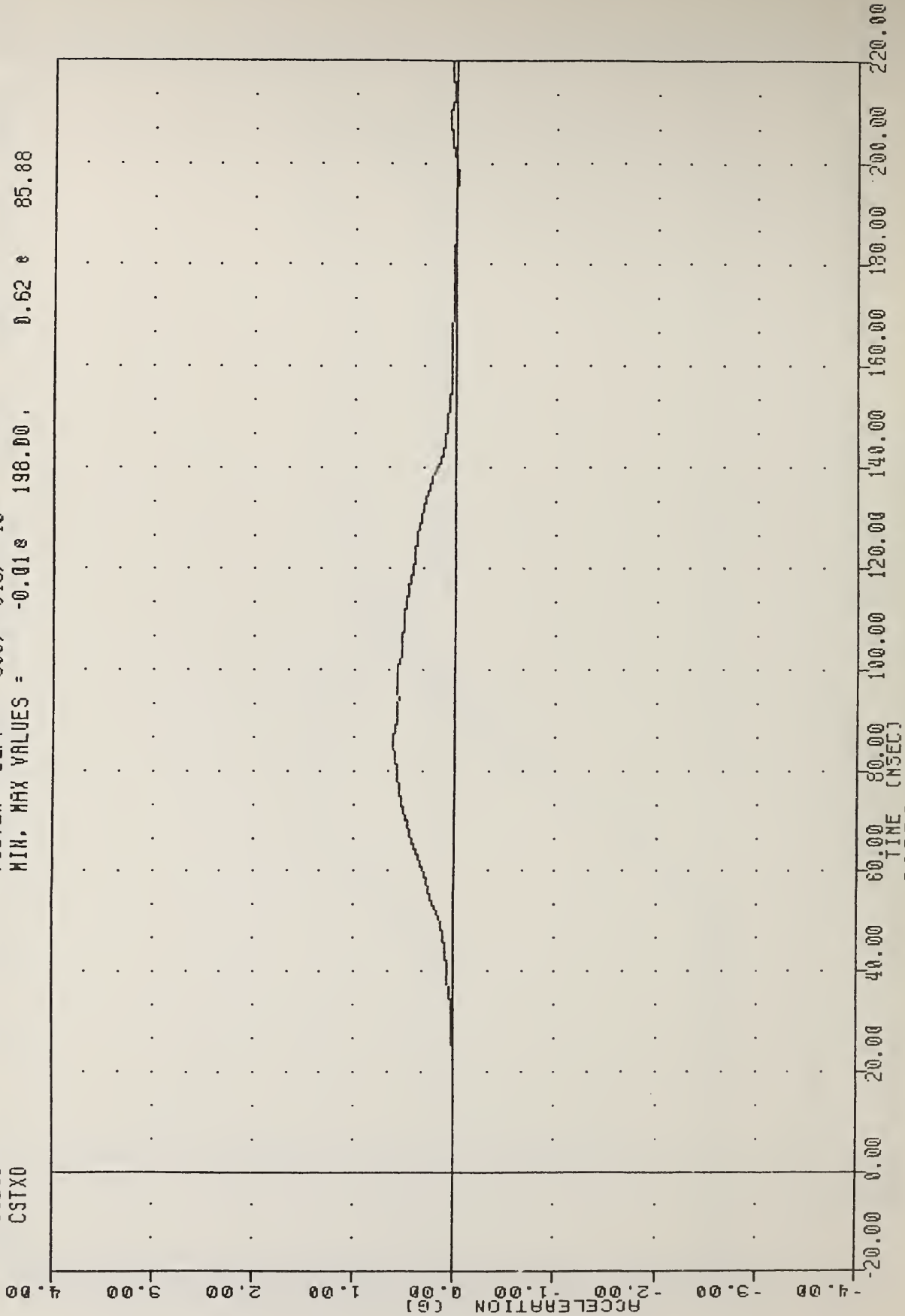


AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 50TH PERCENTILE

VRTC RD583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
CSTXD

PLOT DATE 18-OCT-83 15:32:44

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -0.018 198.00 0.62 e 85.88



AIRBAG DEMONSTRATION PROGRAM
CHEST DISPLACEMENT 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

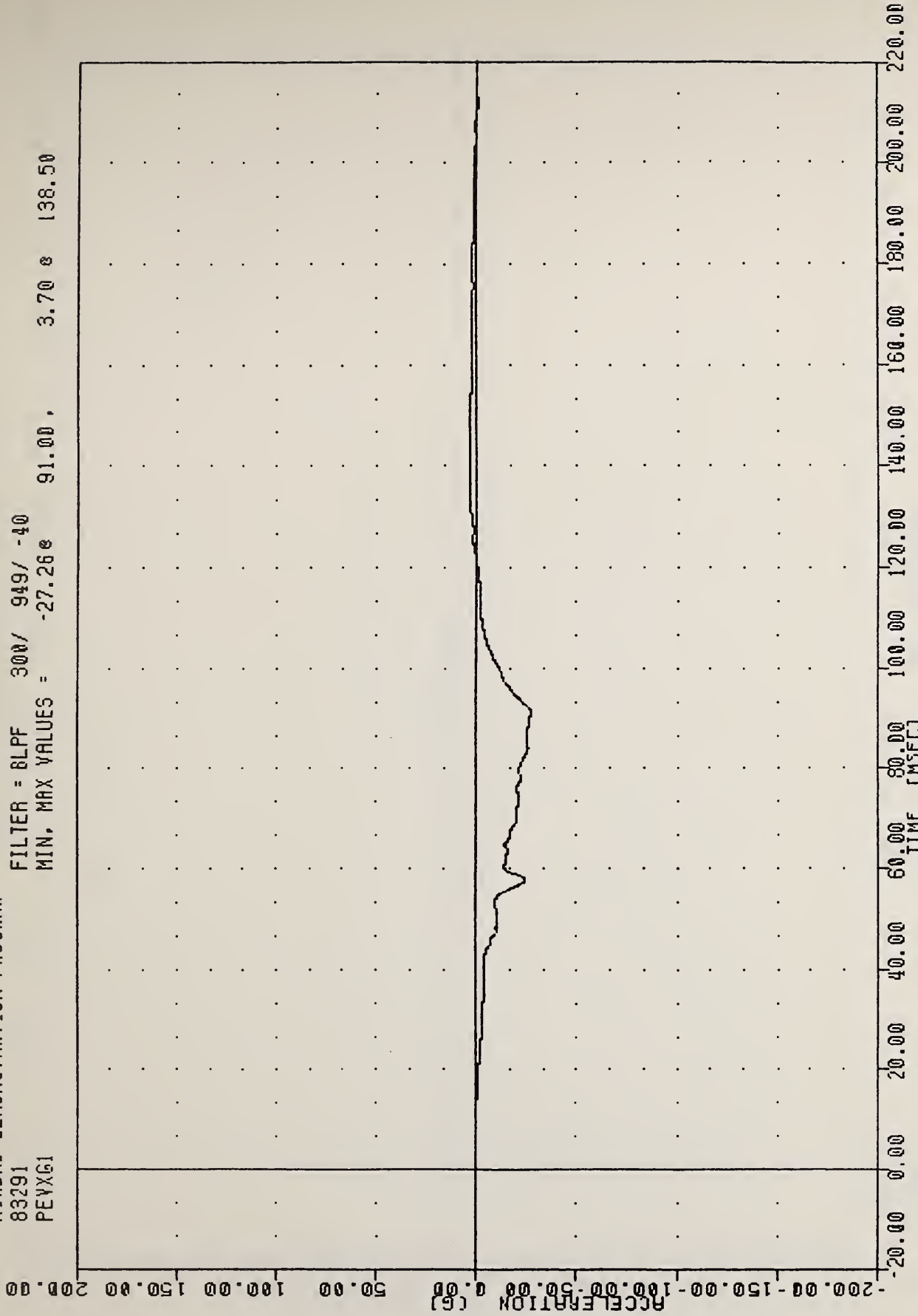
83291

PEVXG1

FILTER = 8LPF 30W/ 949/ -40

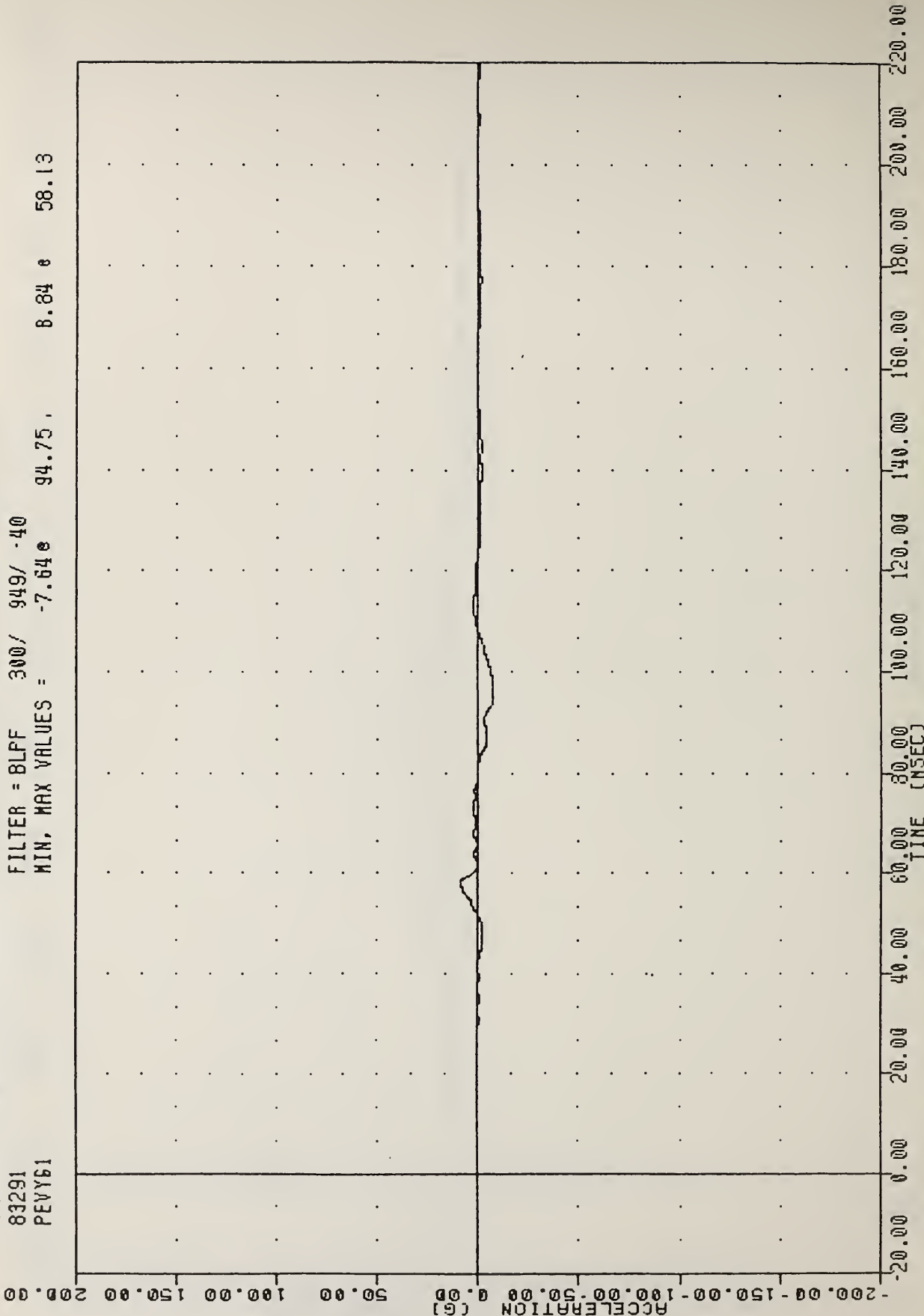
MIN. MAX VALUES = -27.26e 91.00 ,

3.70 e 138.50



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION X AXIS 50TH PERCENTILE

VRTC RD563-2-07 PLOT DATE 18-OCT-83 15:32:44
 AIRBAG DEMONSTRATION PROGRAM
 83291 FILTER = BLFF 300/ 949/ -40
 PEVY61 MIN, MAX VALUES = -7.64e 94.75 , 8.84 e 58.13



AIRBAG DEMONSTRATION PROGRAM
 PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

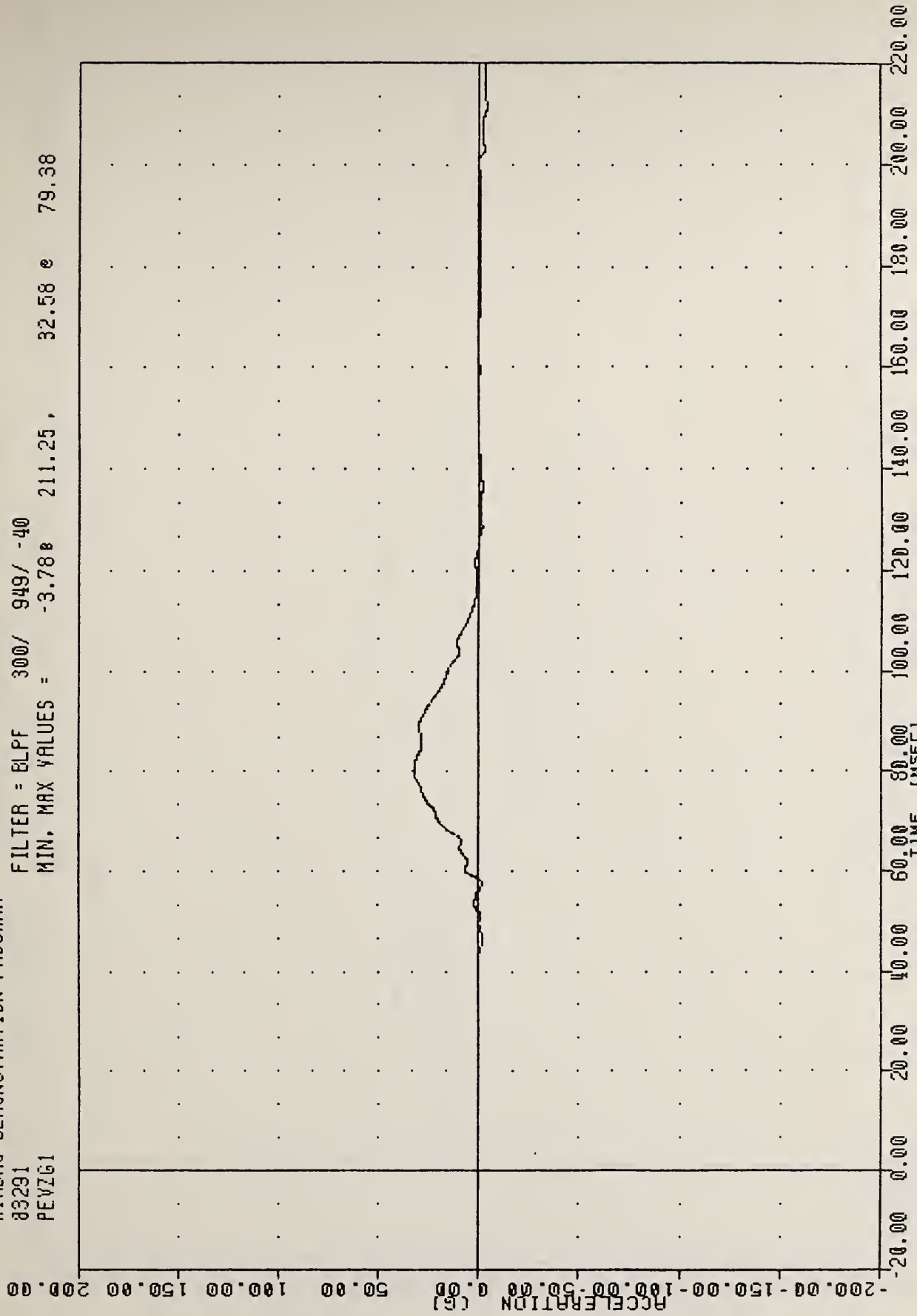
AIRBAG DEMONSTRATION PROGRAM

83291

PEVZG1

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -3.788 211.25, 32.58 e 79.38



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

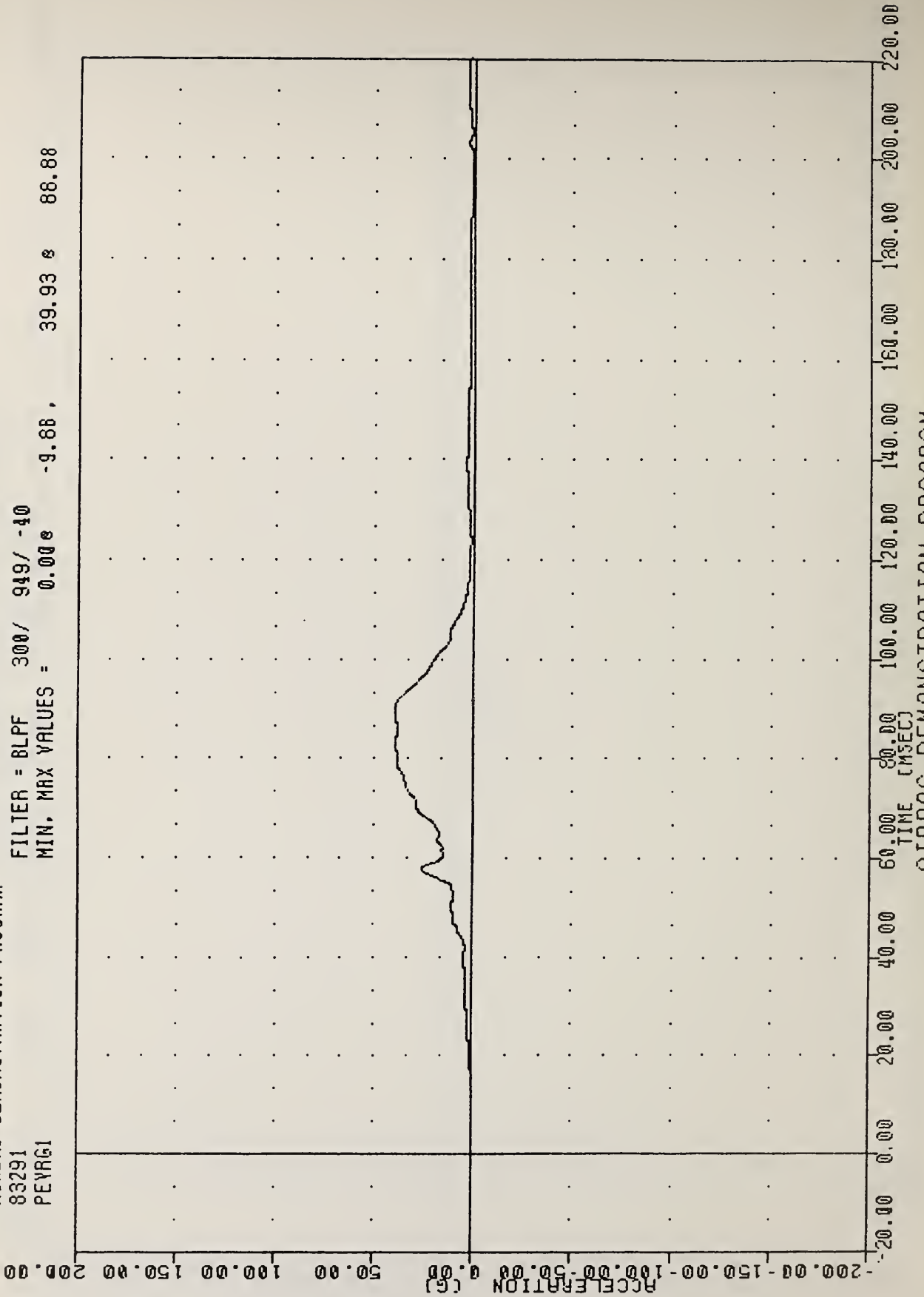
83291

PEYRG1

FILTER = BLPF 300/ 949/ -40

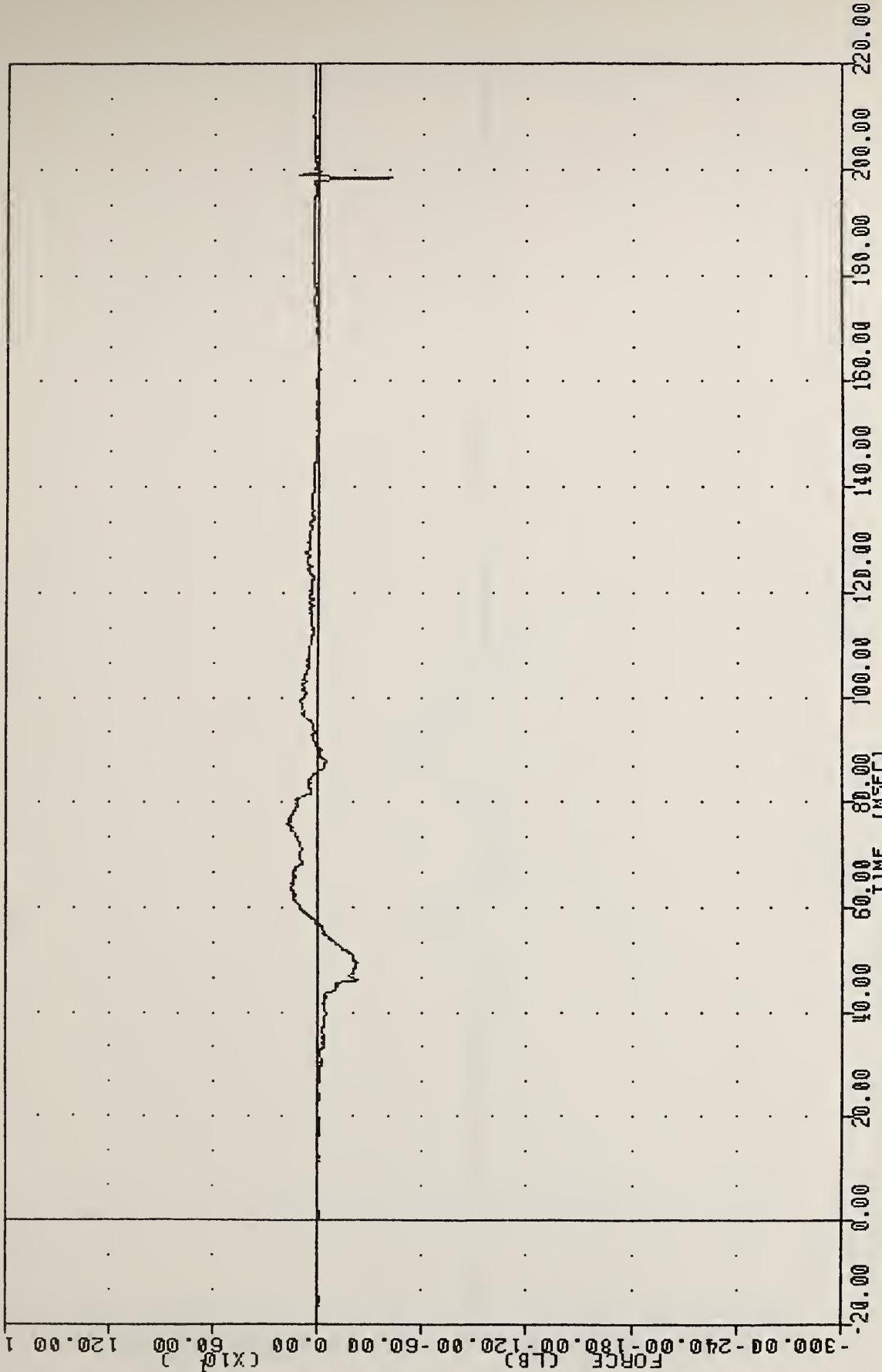
MIN. MAX VALUES = 0.00e

-9.88, 39.93 g 88.88



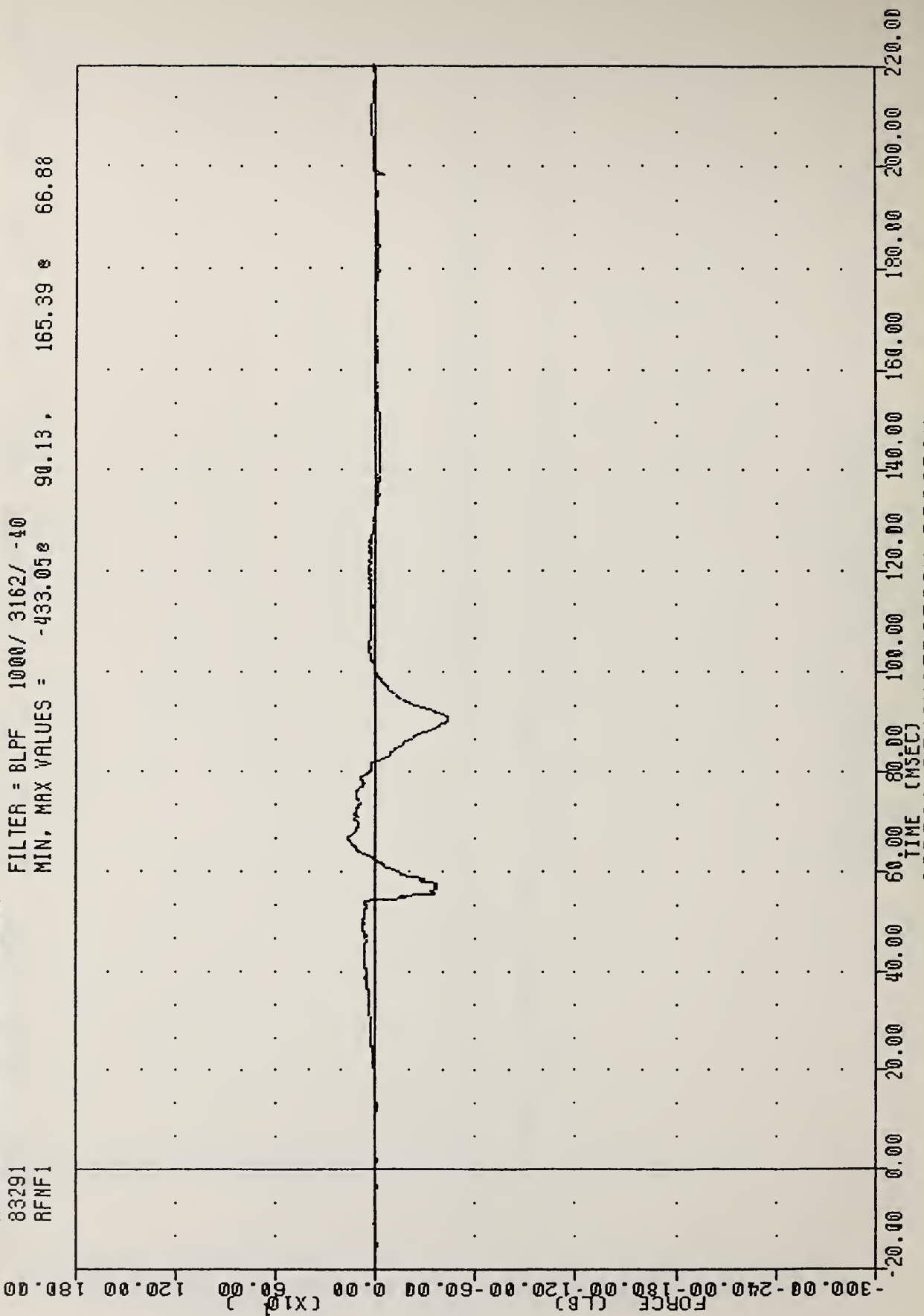
AIRBAG DEMONSTRATION PROGRAM
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

VRTC R0583-2-07 PLOT DATE 18-OCT-83 15:32:44
 AIRBAG DEMONSTRATION PROGRAM
 83291 FILTER = BLPF 1000/ 3162/ -40
 LFMF1 MIN. MAX VALUES = -413.32 198.38 , 174.05 75.63



AIRBAG DEMONSTRATION PROGRAM
 LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

VRTC R0583-2-07 PLOT DATE 18-OCT-83 15:32:44
 AIRBAG DEMONSTRATION PROGRAM
 83291 FILTER = 8LPF 1000/ 3162/ -40
 RFNF1 MIN, MAX VALUES = -433.05e 90.13, 165.39 e 66.8e



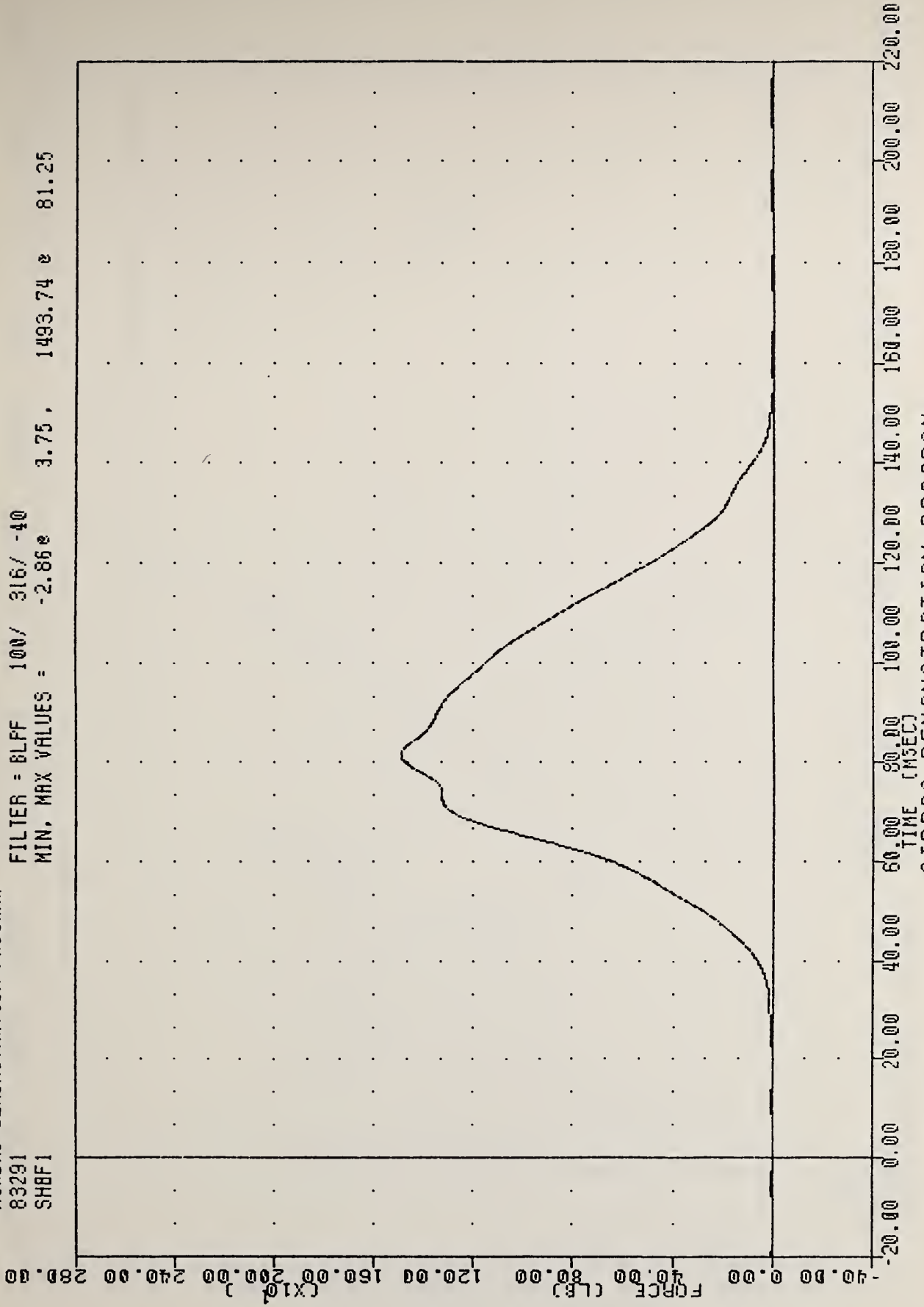
AIRBAG DEMONSTRATION PROGRAM
 RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

VRTC RD583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
SHBF1

PLOT DATE 16-OCT-83 15:32:44

FILTER = 8LFF 100/ 316/ -40

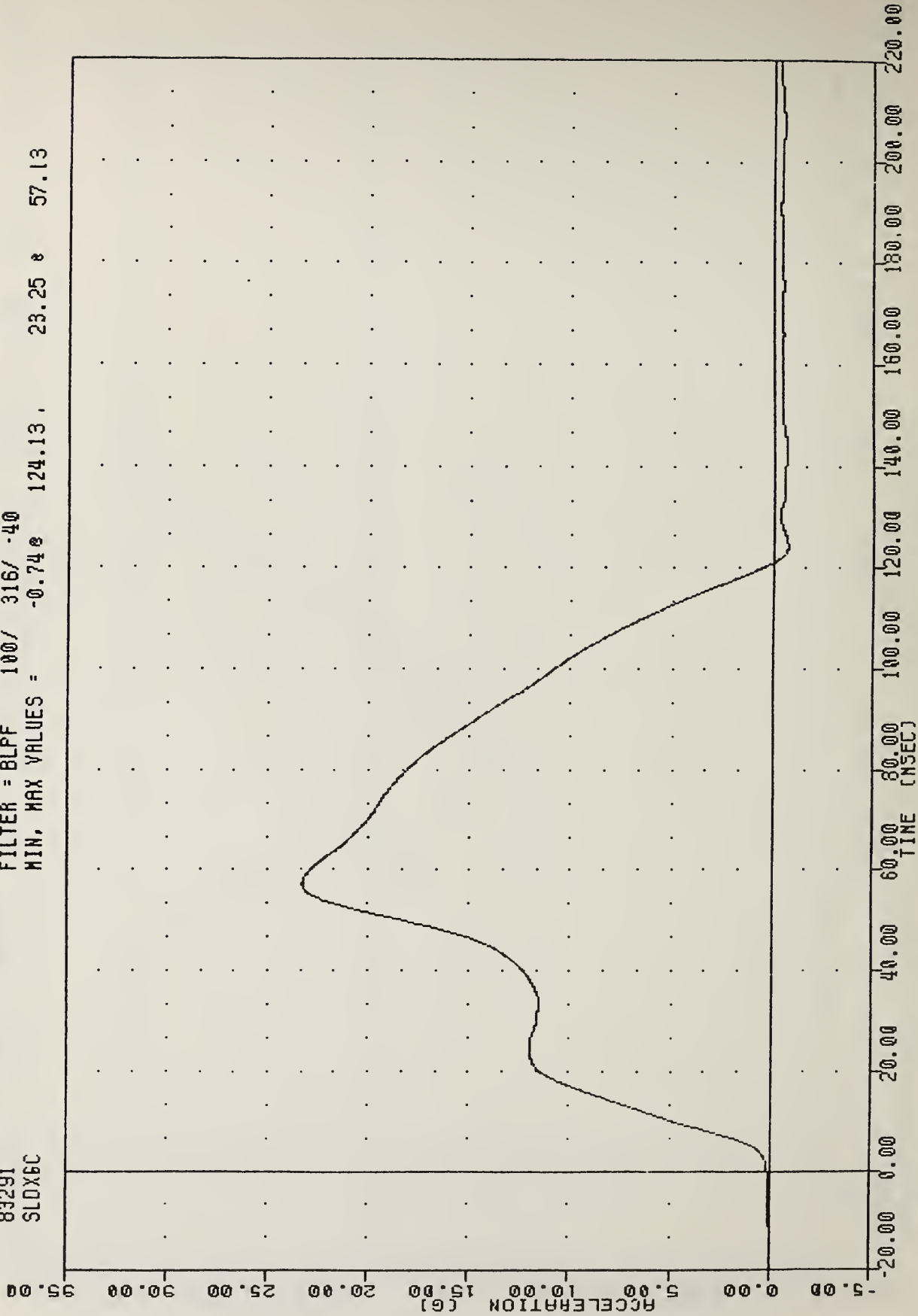
MIN. MAX VALUES = -2.86e 3.75, 1493.74 e 81.25



AIRBAG DEMONSTRATION PROGRAM
SHOULDER BELT FORCE 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83291
SLDX6C

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -0.74e 124.13, 23.25 e 57.13

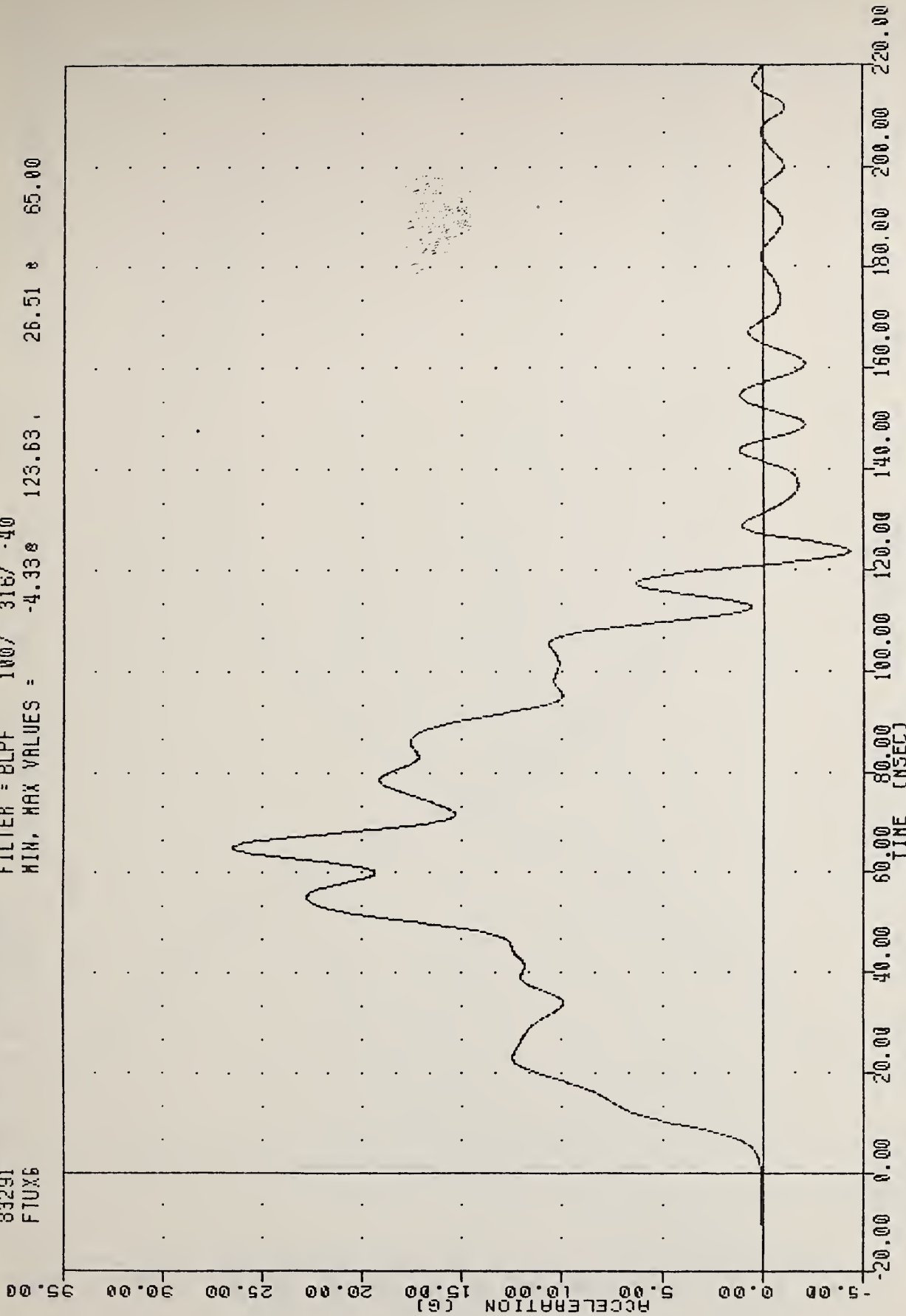


AIRBAG DEMONSTRATION PROGRAM
SLED ACCELERATION

VRTC RD583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
FTUX6

PLOT DATE 18-OCT-83 15:32:44

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -4.33e 123.63 , 26.51 e 65.00



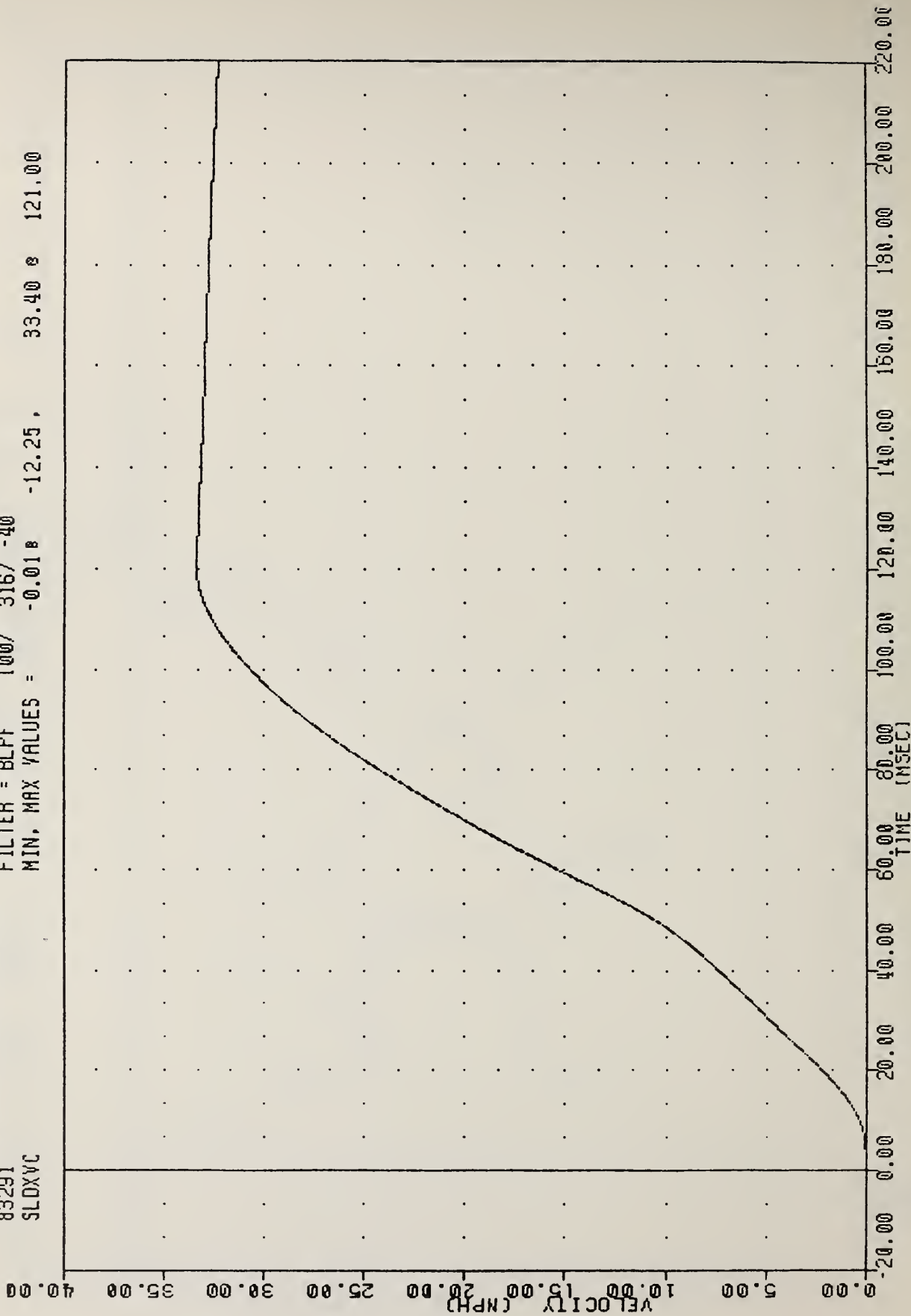
AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

VRTC R0583-2-07
AIRBAG DEMONSTRATION PROGRAM
83291
SLOXVC

PLOT DATE 18-OCT-83 15:32:44

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -0.018 -12.25 33.40 121.00



AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM

83291

SLOXY

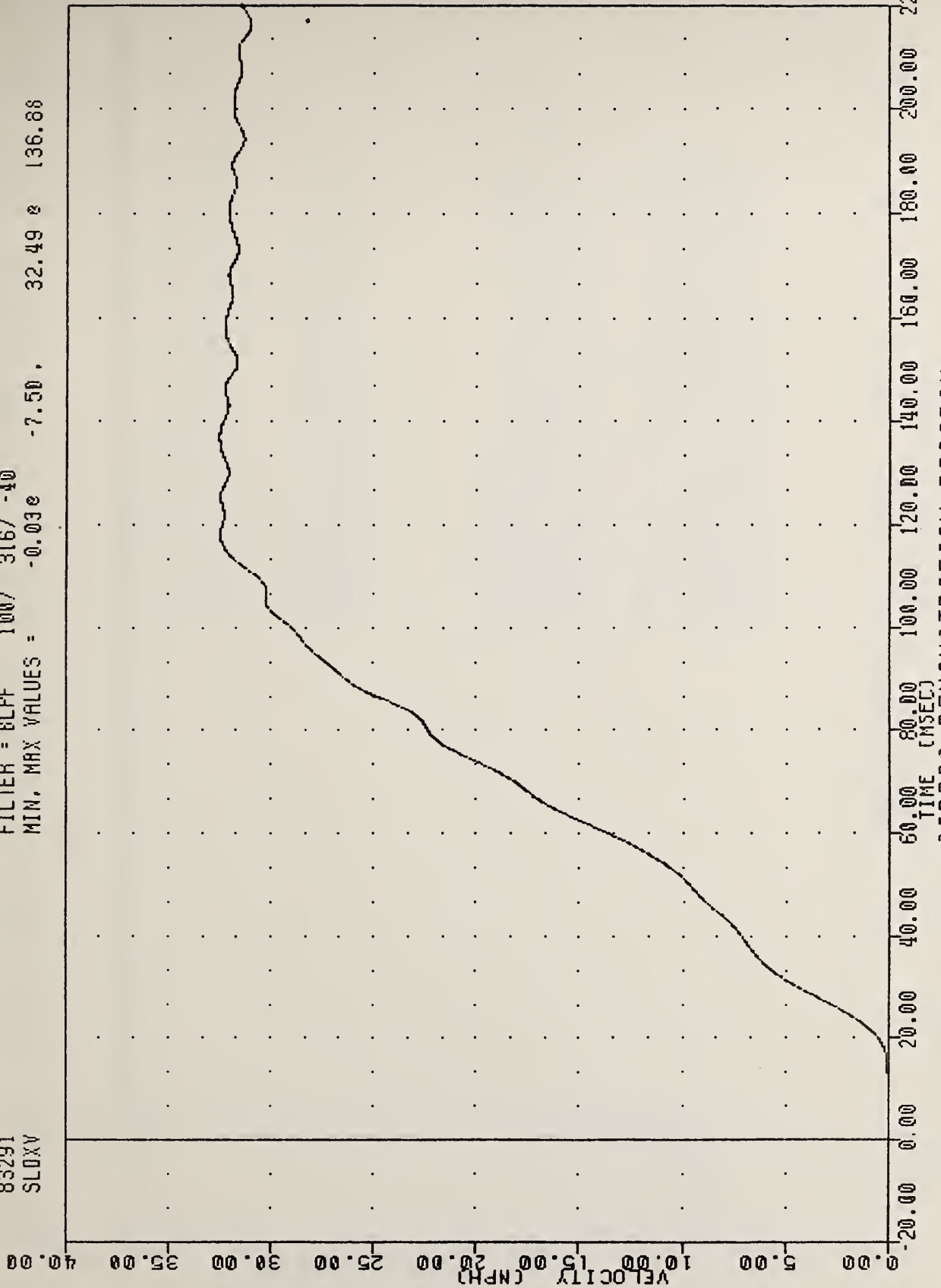
FILTER = 8LFF 100/ 316/ -40

MIN, MAX VALUES = -0.03e

-7.50,

32.49 e

136.88

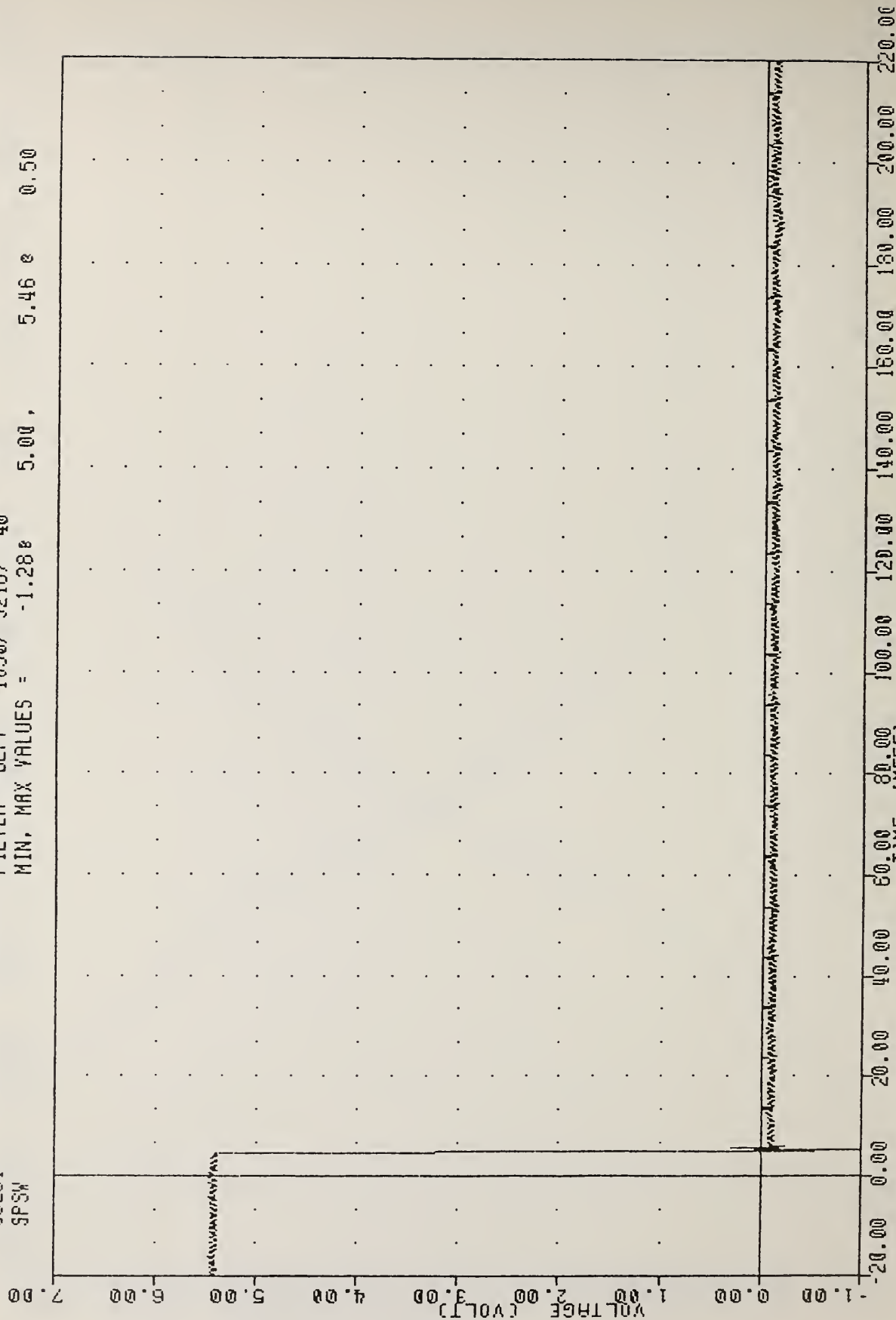


AIRBAG DEMONSTRATION PROGRAM

SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM
 83291
 SPSW

FILTER = BLPF 1650/ 5218/ -40
 MIN. MAX VALUES = -1.288 5.00 5.46 e 0.50



AIRBAG DEMONSTRATION PROGRAM
 SLED POSITION SWITCH

DEMONSTRATION PROGRAM

0.0 mph

83292

VRTC

RD583-2-08

20-OCT-83 09:09:32

	Min value		Max value		Un
SPSW	-0.228 @ 5.625		5.445 @ -19.000	msec	vol
SLDXGC	-0.783 @ 123.375		23.610 @ 57.250	msec	g
SLDXVC	-0.007 @ -13.750		33.615 @ 120.375	msec	mph
SLDXV	-0.035 @ -9.875		32.689 @ 136.000	msec	mph
FTUXG	-1.651 @ 124.250		24.371 @ 60.250	msec	g
ABFT1	-0.748 @ 26.375		4.379 @ 19.000	msec	vol
HEDXG2	-74.373 @ 96.375		15.864 @ 190.750	msec	g
HEDXV2	-43.362 @ 155.875		0.087 @ 31.750	msec	mph
HEDYG2	-4.337 @ 191.750		11.683 @ 95.000	msec	g
HEDZG2	-33.892 @ 82.250		2.030 @ 31.625	msec	g
CSTXG2	-35.525 @ 80.500		47.118 @ 187.500	msec	g
CSTXV2	-39.280 @ 183.000		0.003 @ 3.625	msec	mph
CSTYG2	-8.417 @ 187.625		7.220 @ 72.375	msec	g
CSTZG2	-7.533 @ 187.000		22.563 @ 79.250	msec	g
PEVXG2	-52.625 @ 78.000		3.604 @ 118.625	msec	g
PEVYG2	-4.260 @ 94.625		6.389 @ 57.000	msec	g
PEVZG2	-3.575 @ 56.500		35.417 @ 84.875	msec	g
LFMF2	-448.602 @ 50.750		399.518 @ 25.125	msec	lb
RFMF2	-517.666 @ 55.875		429.478 @ 25.125	msec	lb
SHBF2	-6.743 @ 195.250	2047.236 @	90.375	msec	lb
HEDRG2	0.020 @ -23.875		78.409 @ 96.250	msec	g
CSTRG2	0.005 @ -12.875		48.351 @ 187.500	msec	g
PEVRG2	0.007 @ -13.125		58.263 @ 78.000	msec	g

*** HIC computation for TRC216I 20-OCT-83 08:49:40

HEDR62 VRIC RD583-2-08 83292 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 78.41 @ 96.200

HIC = 644.45 Interval from 81.000 [849] to 111.125 [1090]

HIC = 561.28 Interval from 91.000 [929] to 106.000 [1049]

Elapsed time = 8.77 sec

Enter channel [stop time] -->EXIT

Enter input filespec -->EXIT

‡

AIRBAG DEMONSTRATION PROGRAM

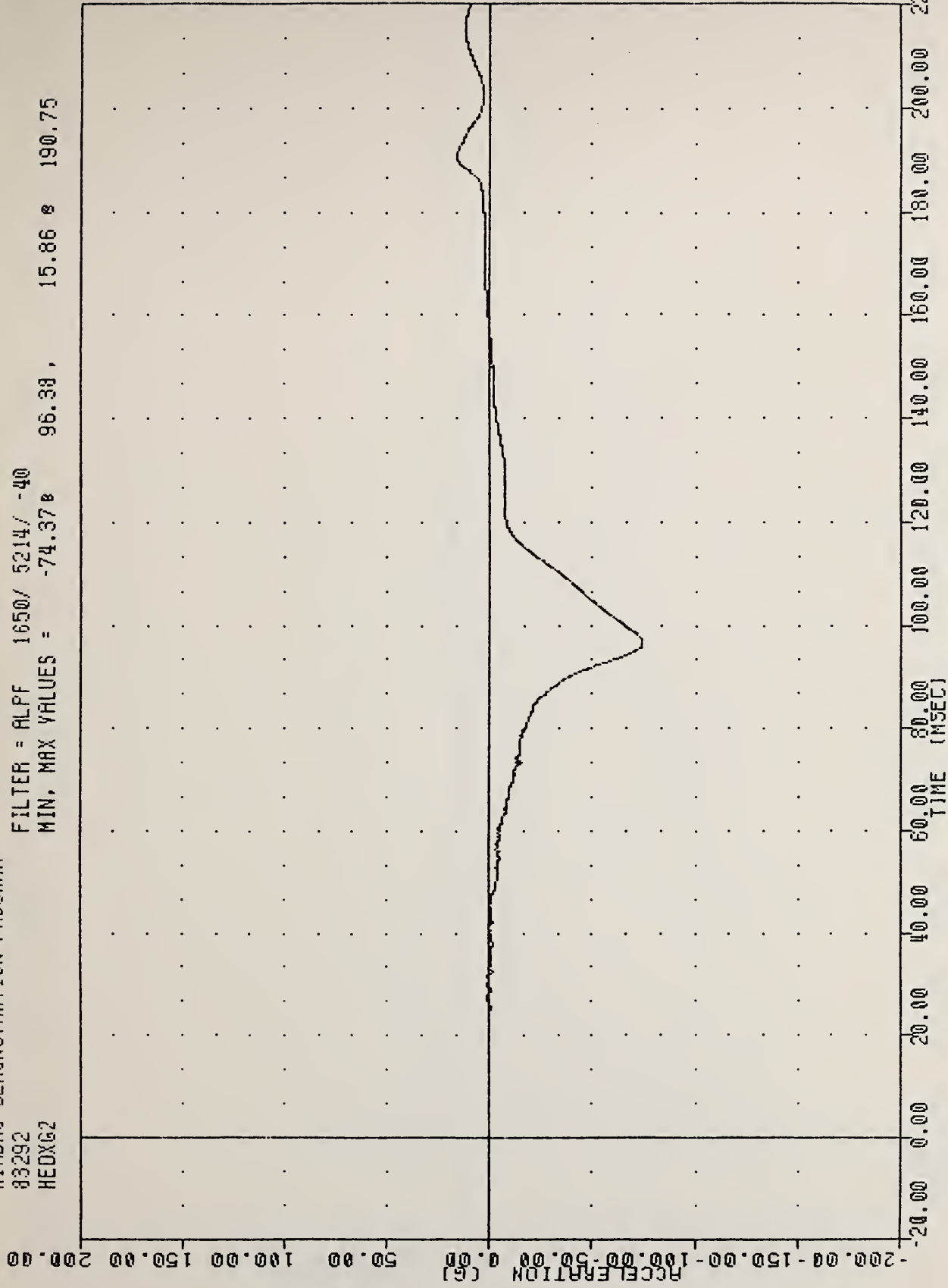
83292

HEDXG2

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -74.37 96.38

15.86 190.75



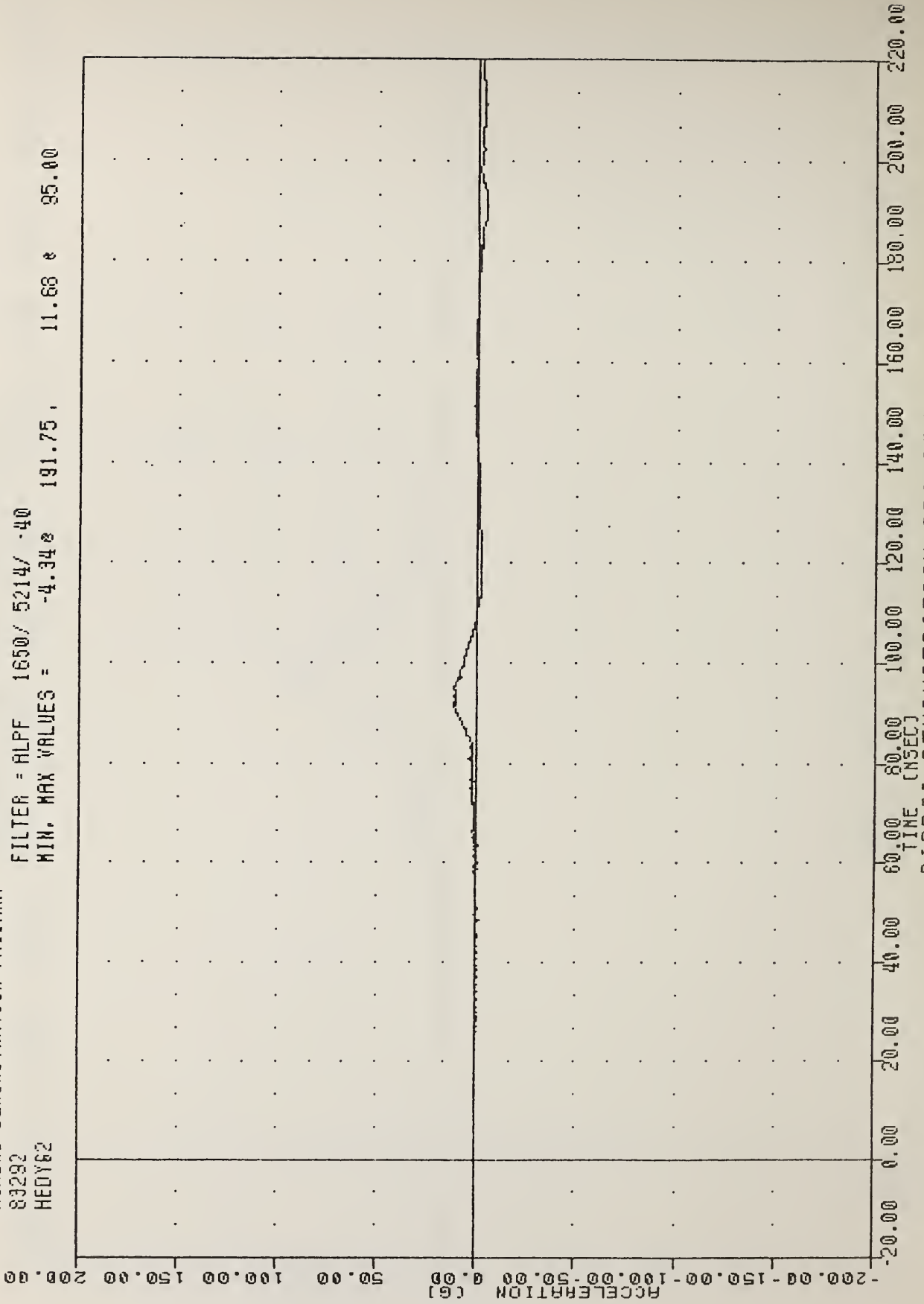
AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION X AXIS 95TH PERCENTILE

VATIC 80583-2-08
AIRBAG DEMONSTRATION PROGRAM
83292
HEDY62

PLOT DATE 20-OCT-88 08:48:32

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -4.34e 191.75 , 11.68 e 95.00

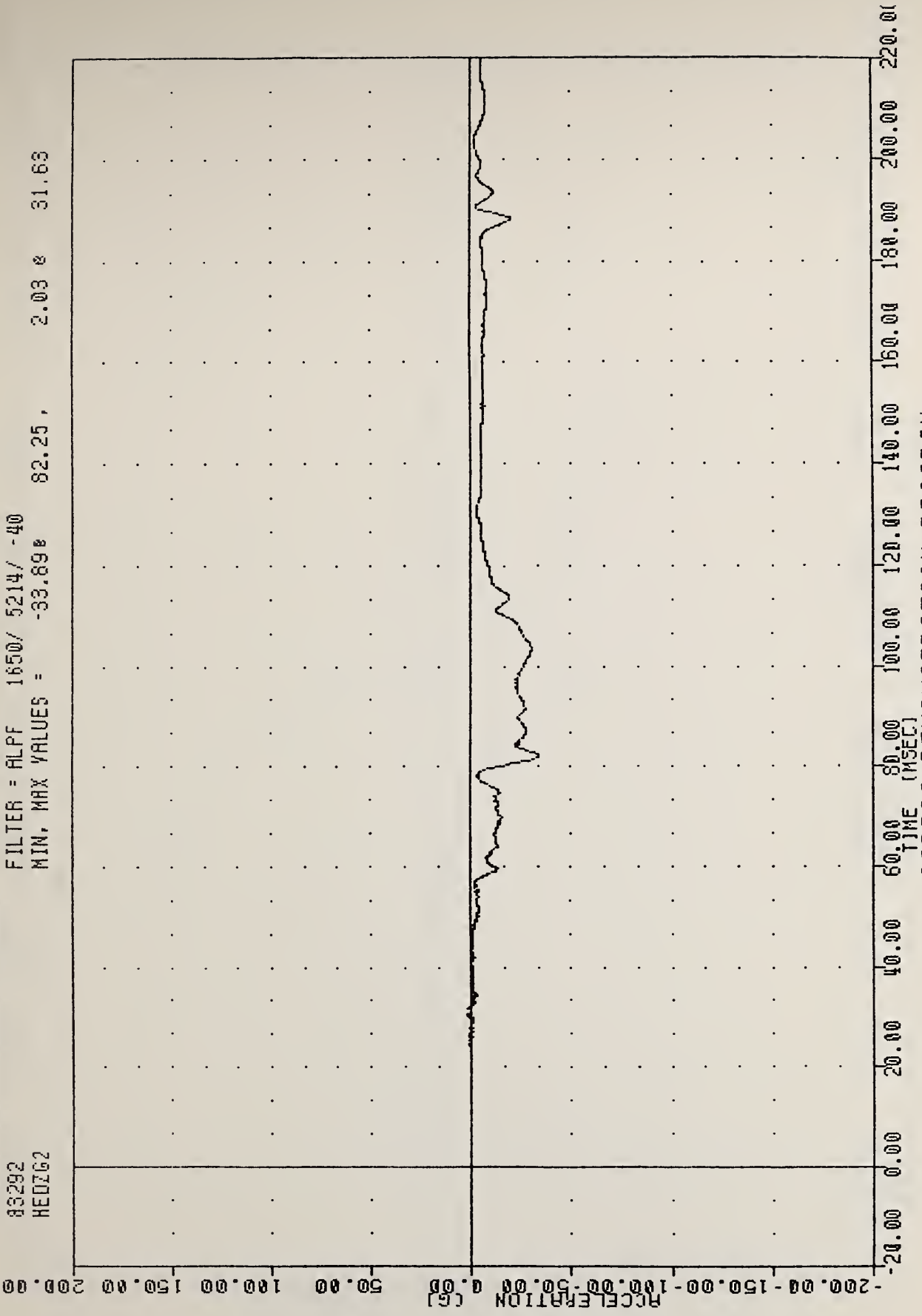


AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Y AXIS 95TH PERCENTILE

VRTC RD583-2-08
AIRBAG DEMONSTRATION PROGRAM
83292
HEADZG2

PLOT DATE 20-OCT-83 08:48:32

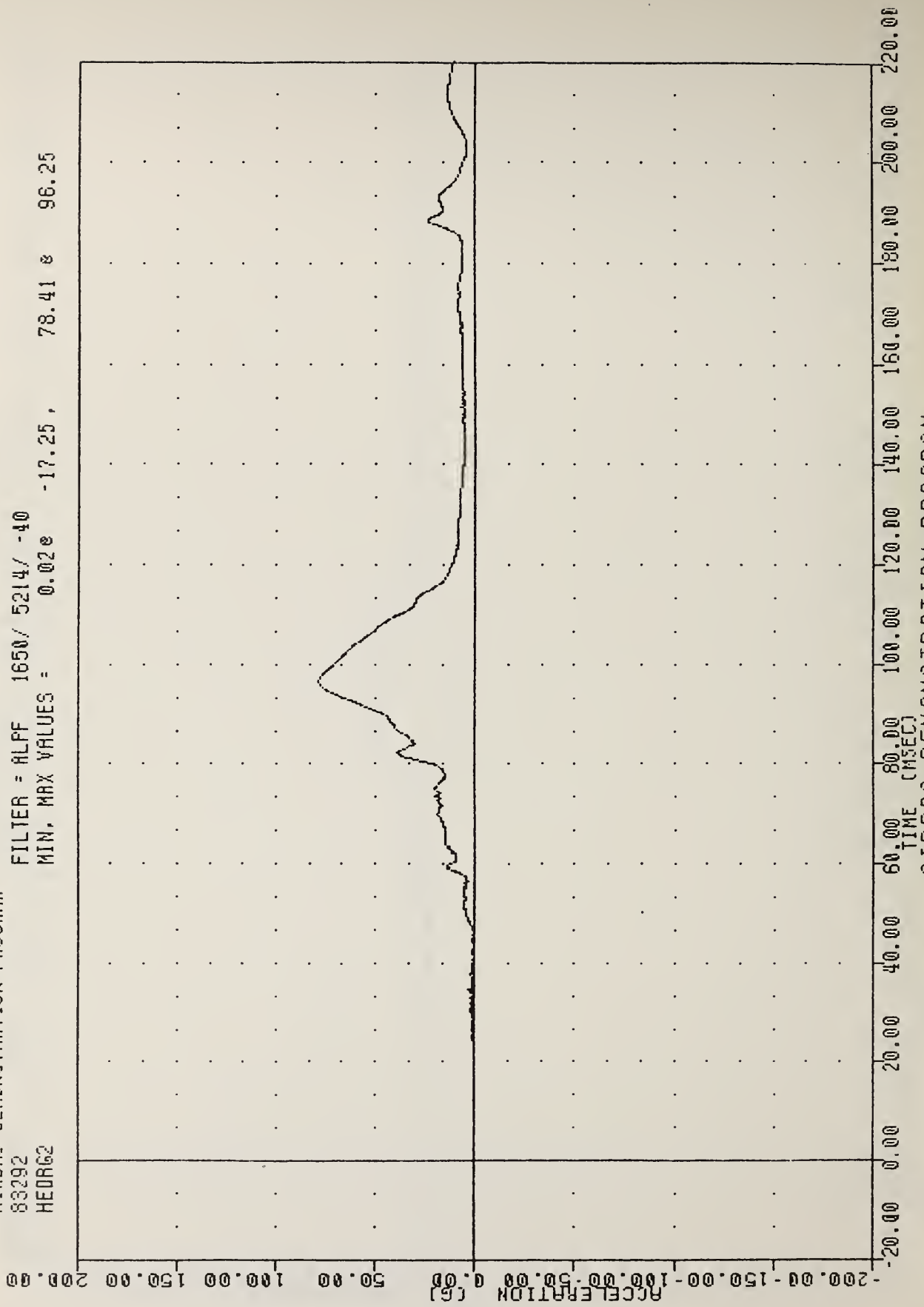
FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -33.898 82.25, 2.03 31.63



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Z AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83292
HEADG2

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.02e -17.25 , 78.41 e 96.25



AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 95TH PERCENTILE

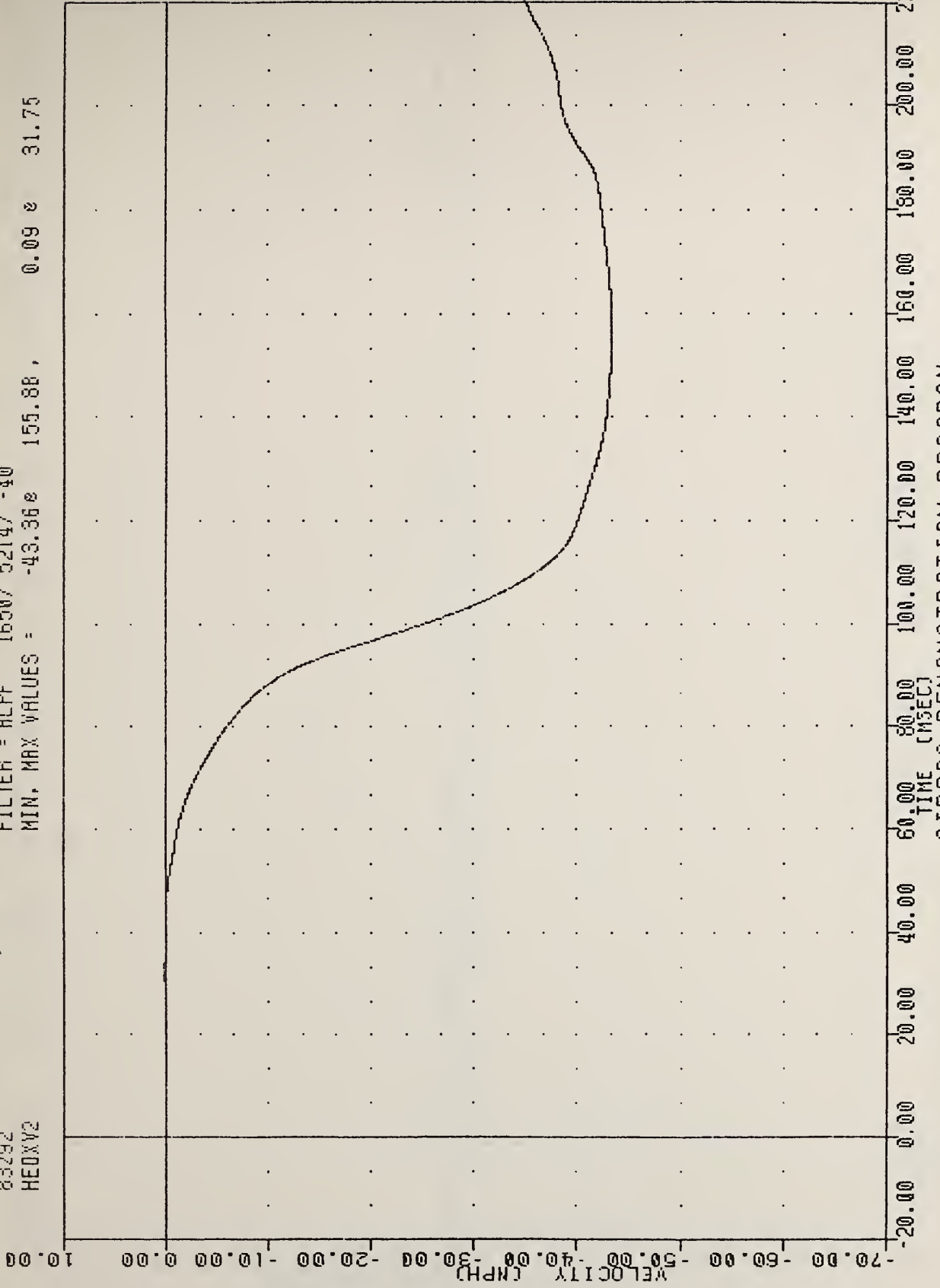
AIRBAG DEMONSTRATION PROGRAM

88292

HEDXV2

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -43.36e 155.88e 0.09e 31.75

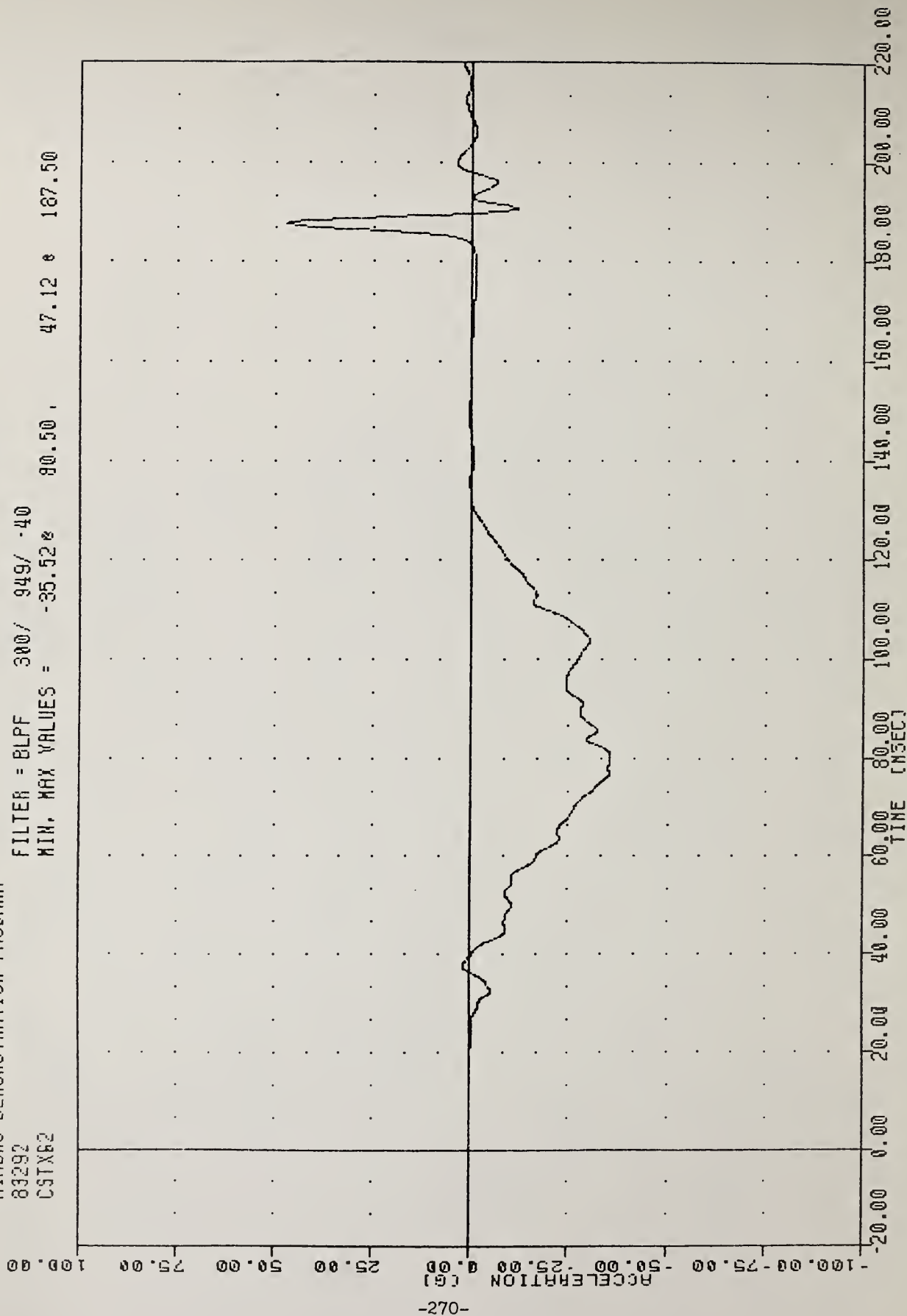


AIRBAG DEMONSTRATION PROGRAM

HEAD VELOCITY X AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83292
CSTX62

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = 80.50 , 47.12 @ 187.50



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83292

CS1Y62

FILTER = 8LFF 300/ 949/ -40

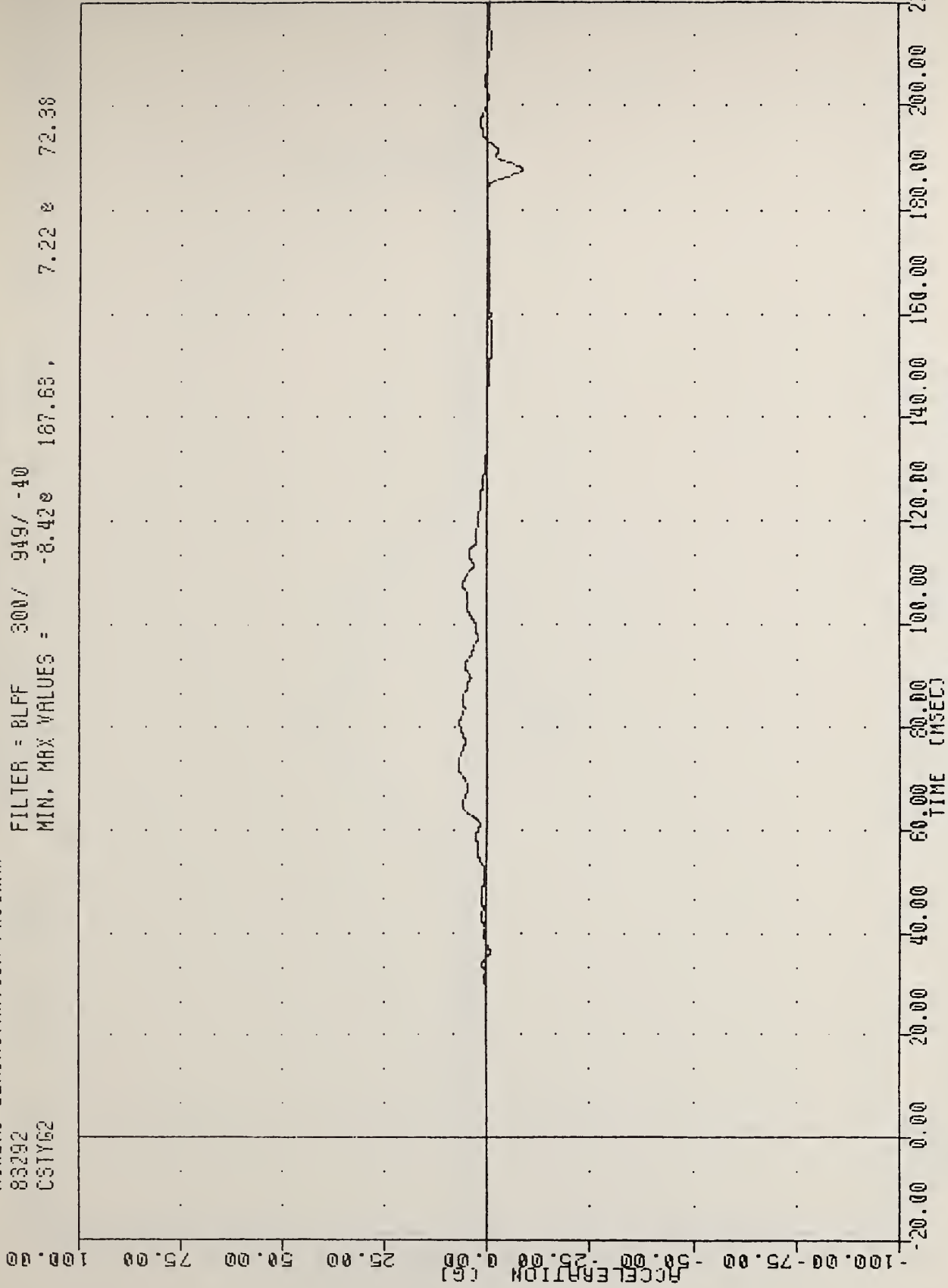
MIN. MAX VALUES =

-8.42e

167.63,

7.22 e

72.38



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Y AXIS 95TH PERCENTILE

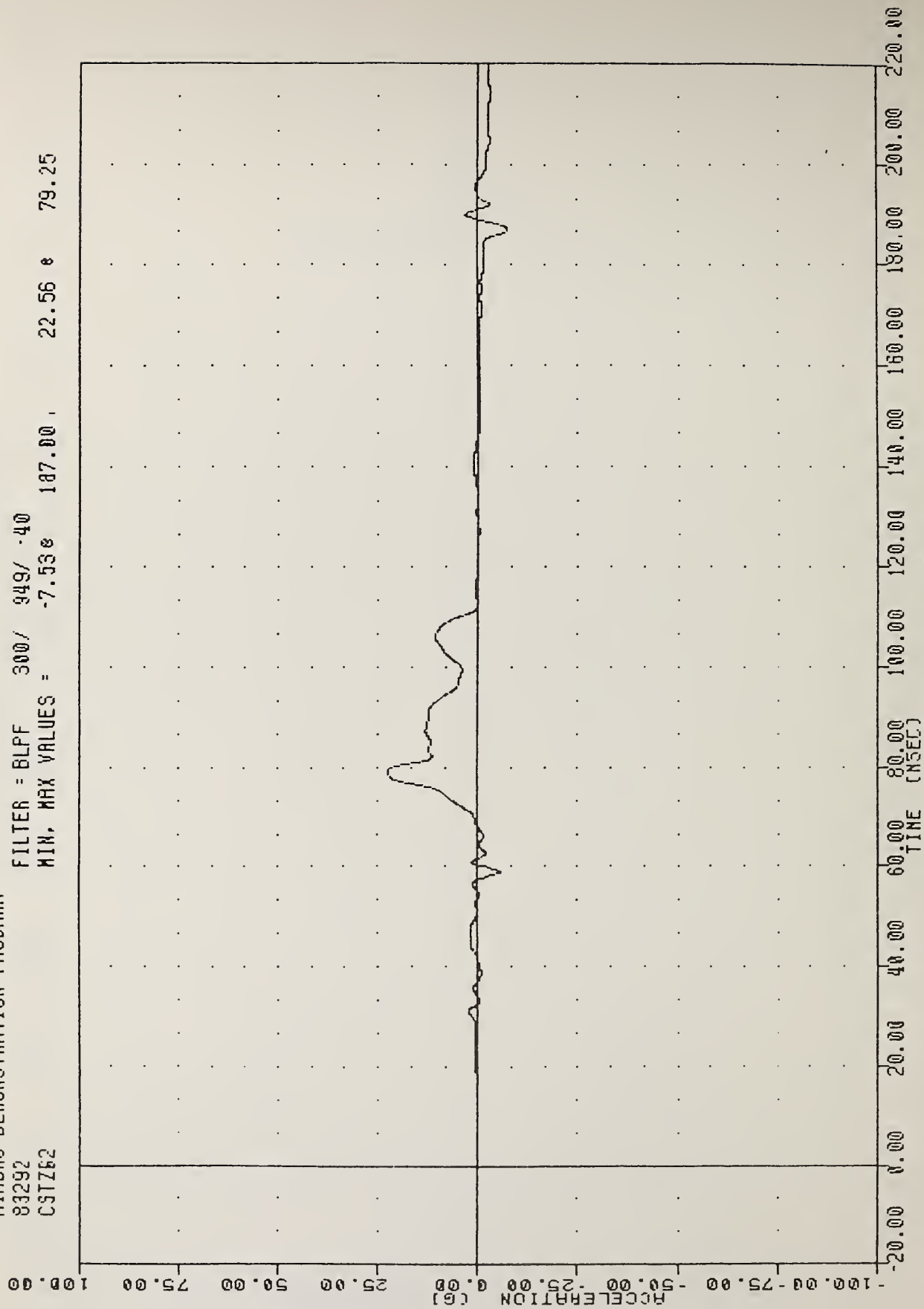
AIRBAG DEMONSTRATION PROGRAM

83292

CSTZ62

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -7.53e 187.00 , 22.56 e 79.25



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 95TH PERCENTILE

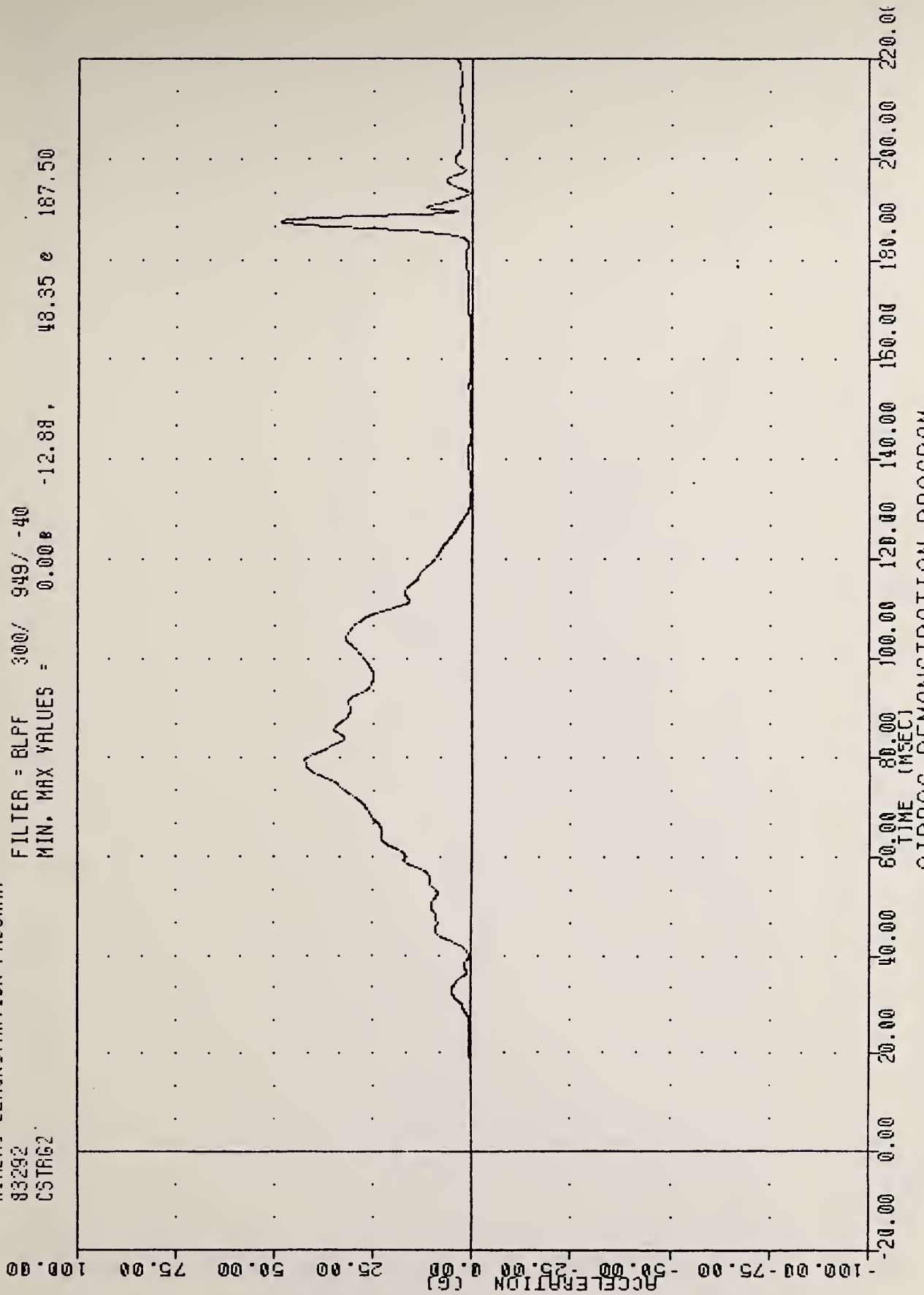
AIRBAG DEMONSTRATION PROGRAM

93292

FILTER = BLPF 300/ 949/ -40

CSTRG2

MIN. MAX VALUES = 0.008 -12.88 , 48.35 e 187.50



AIRBAG DEMONSTRATION PROGRAM

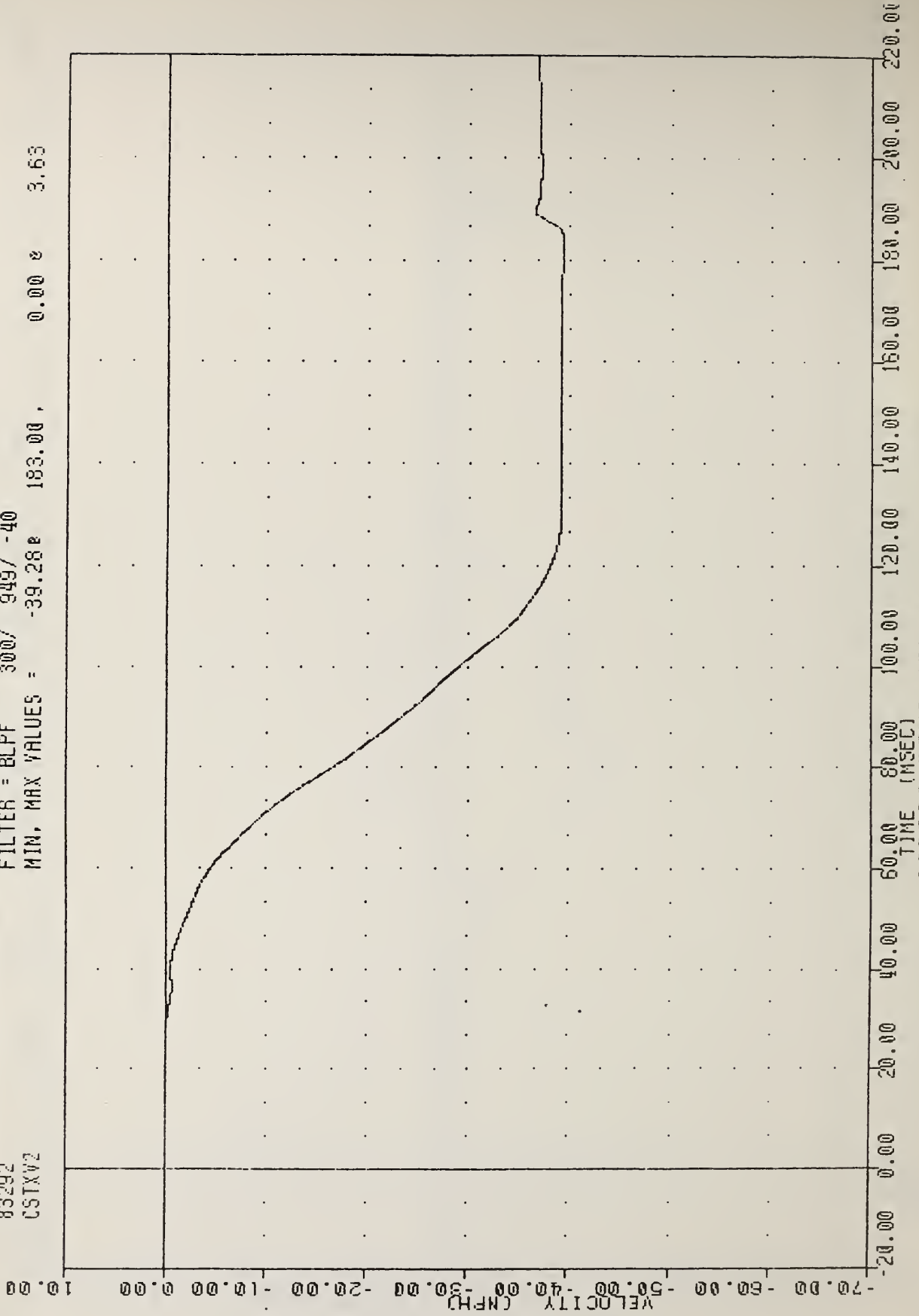
CHEST RESULTANT ACCELERATION 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

85292
CSTXV2

FILTER = BLPF 300/ 949/ -40

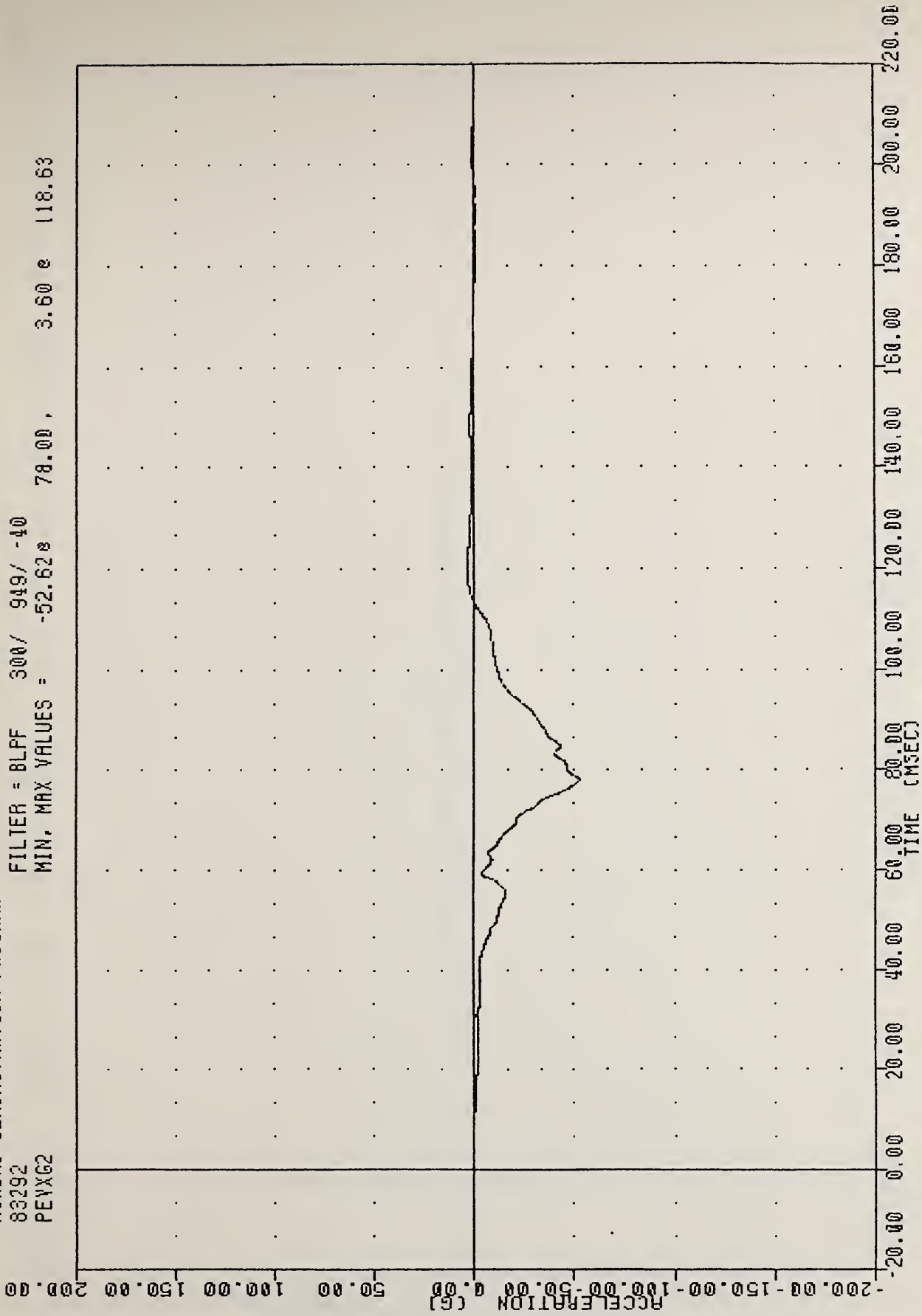
MIN, MAX VALUES = -39.28e 183.00, 0.00 e 3.63



AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83292
PEYX62

FILTER = BLFF 300/ 949/ -40
MIN. MAX VALUES = -52.628 78.00 , 3.60 e 118.63



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION X AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83292

PEVY62

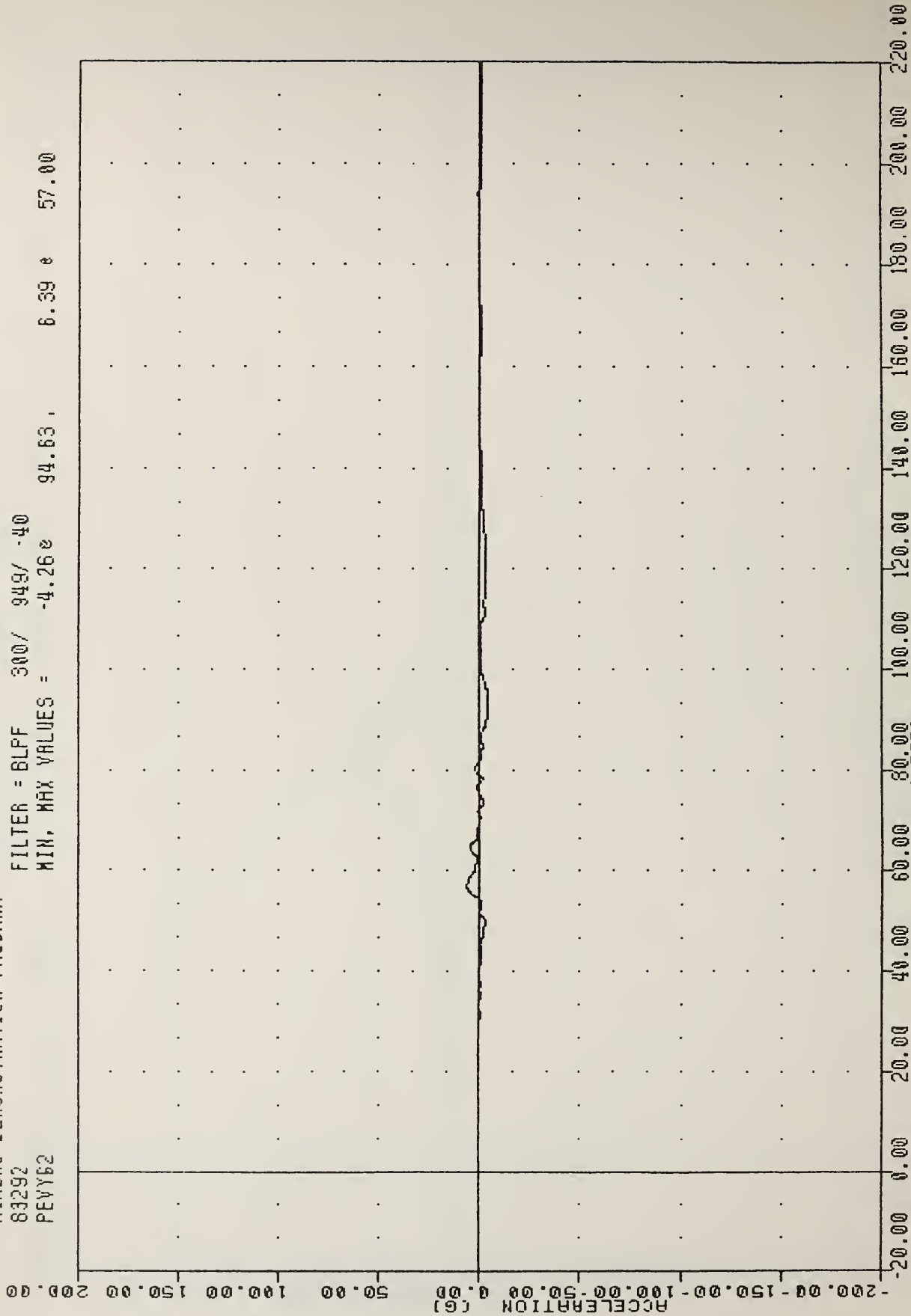
FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -4.26e

94.63,

6.39 e

57.00



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Y AXIS 95TH PERCENTILE

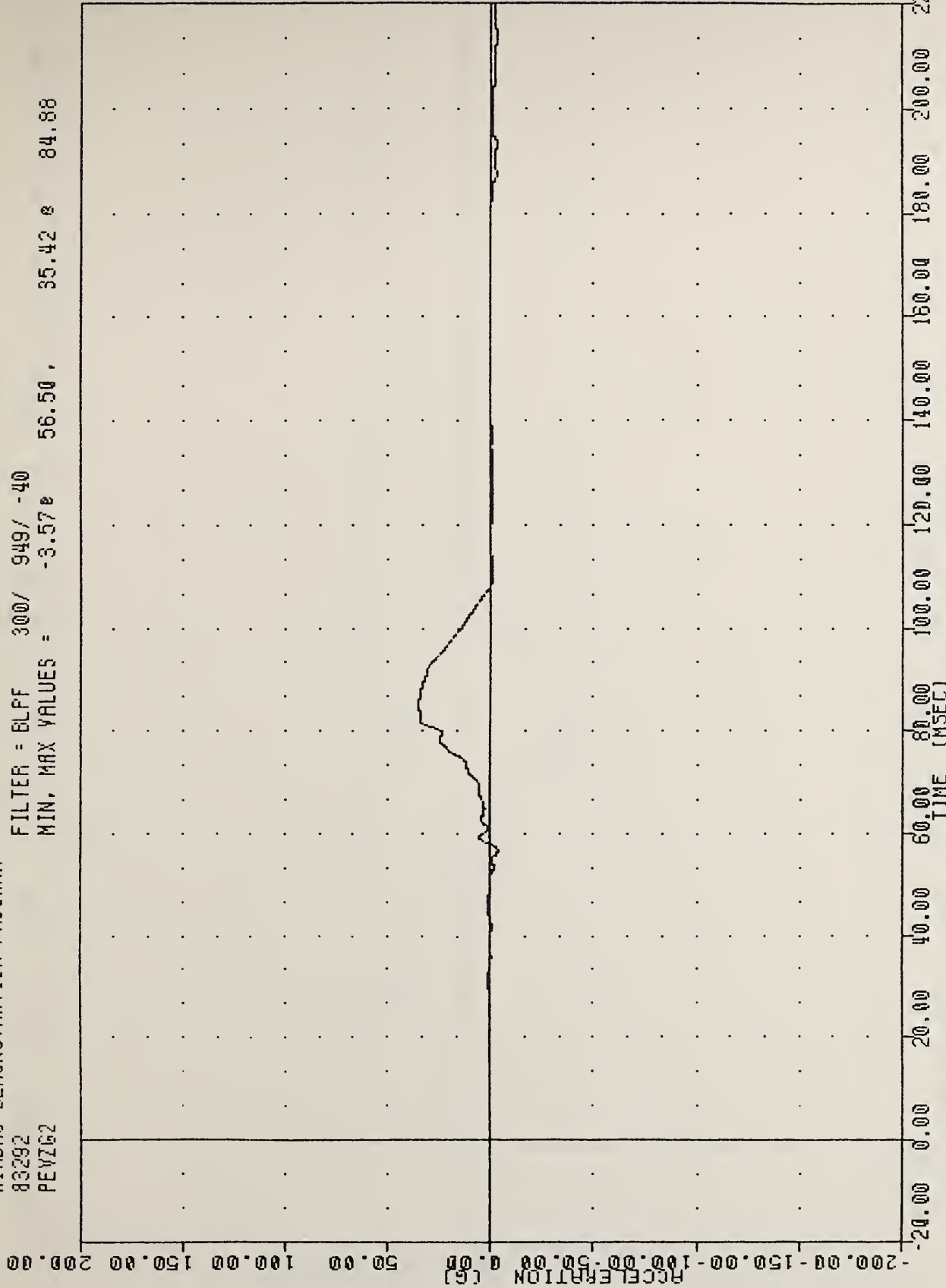
AIRBAG DEMONSTRATION PROGRAM

83292

PEVZG2

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -3.57e 56.50 , 35.42 e 84.88



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Z AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

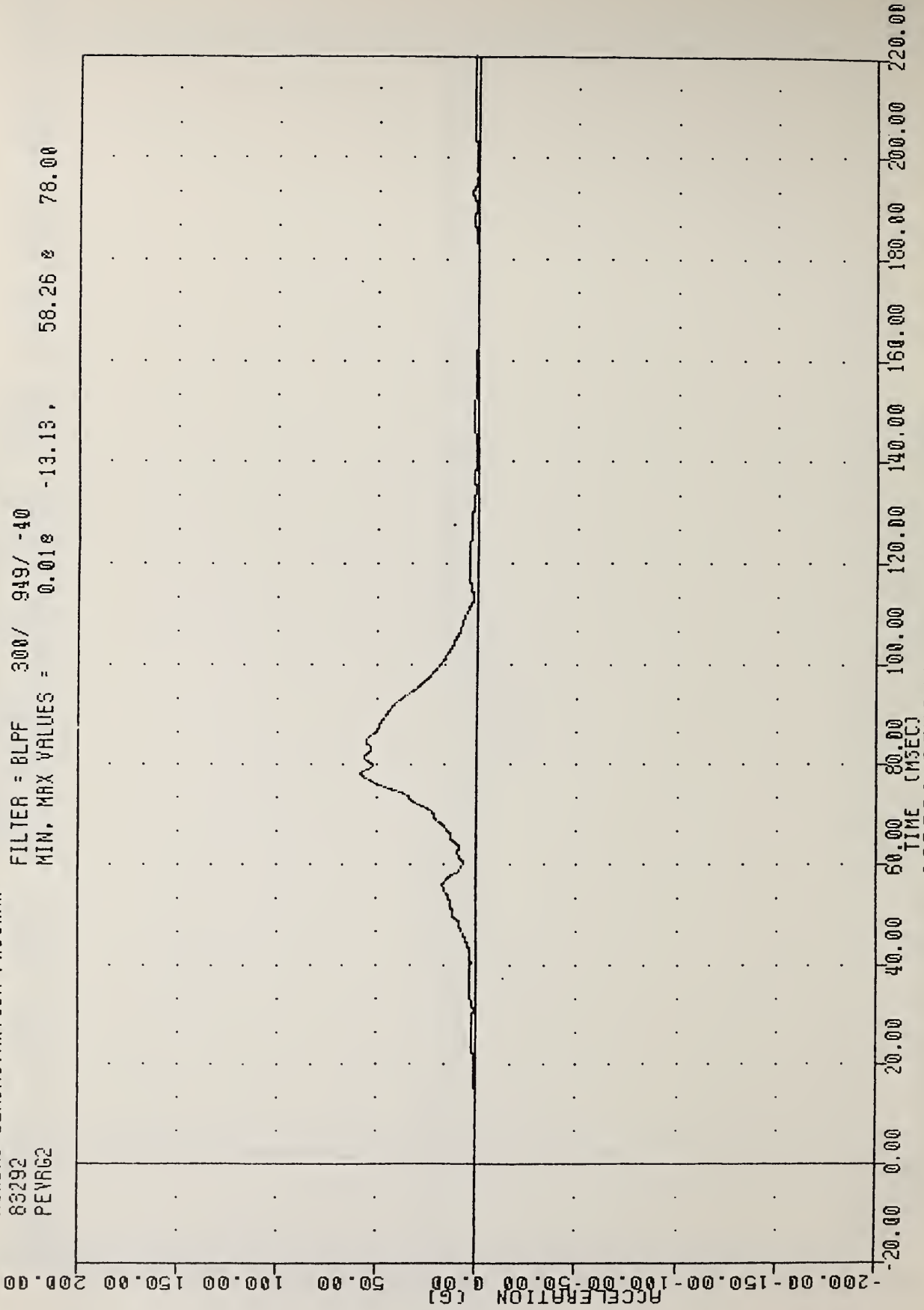
83292

PEVRG2

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.018

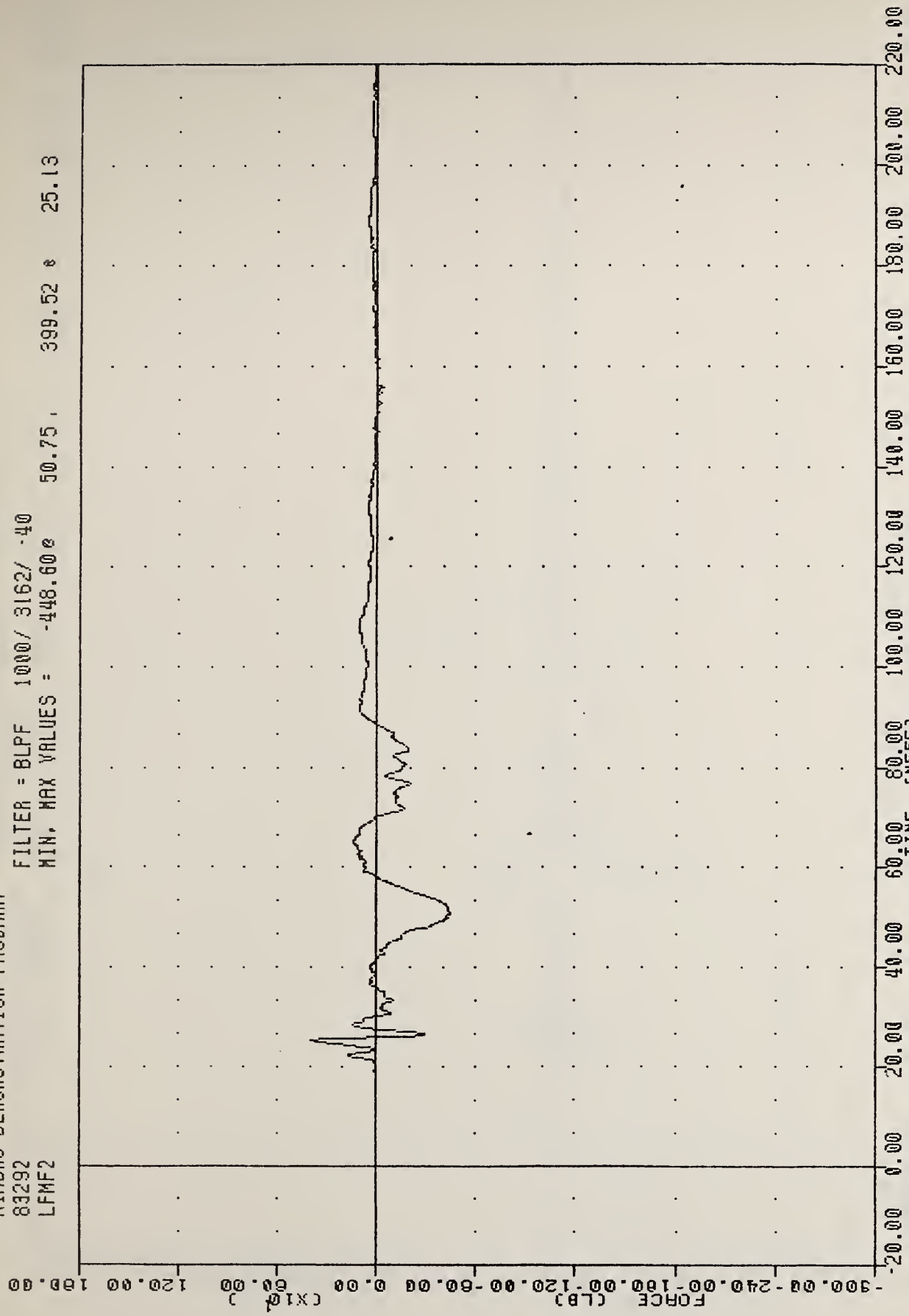
-13.13, 58.26 @ 78.00



AIRBAG DEMONSTRATION PROGRAM
PELVIS RESULTANT ACCELERATION 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83292
LFMF2

FILTER = BLPF 1000/ 3162/ .40
MIN. MAX VALUES = -448.60e 50.75 , 399.52 e 25.13



AIRBAG DEMONSTRATION PROGRAM
LEFT FEMUR FORCE IN LBS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

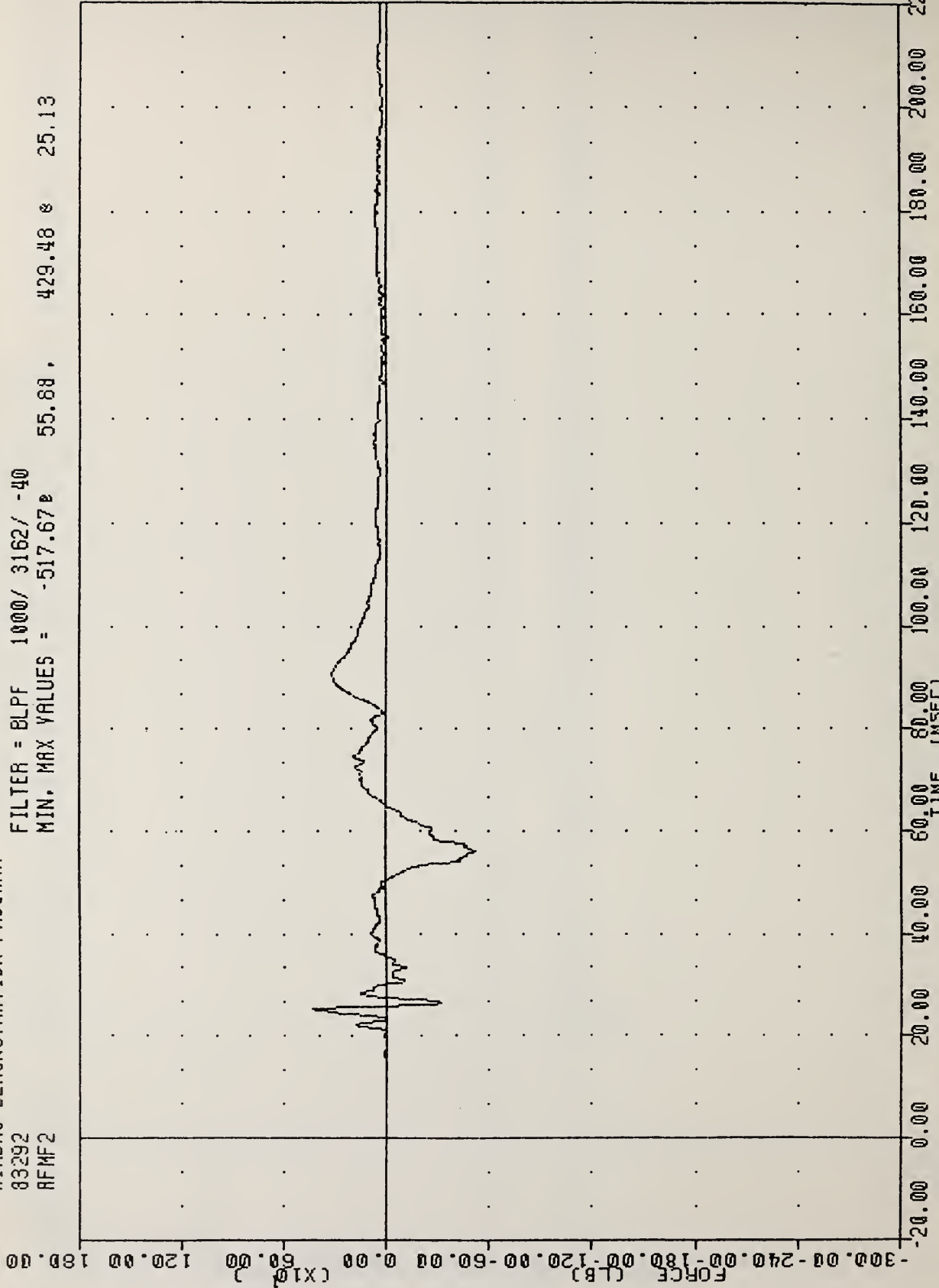
83292

RFMF2

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -517.67e 55.68e

429.48 e 25.13



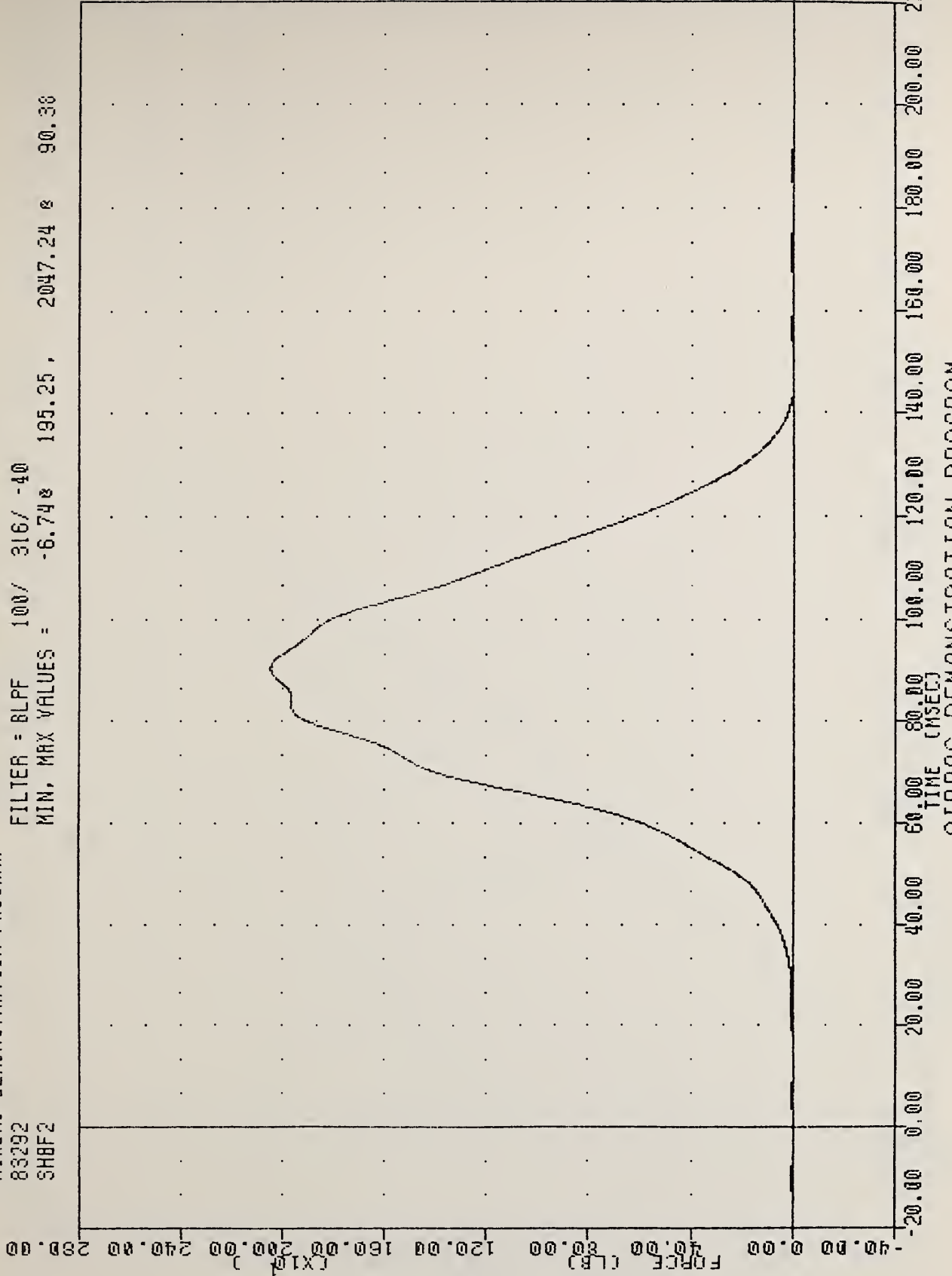
AIRBAG DEMONSTRATION PROGRAM
RIGHT FEMUR FORCE IN LBS 95TH PERCENTILE

VRTC RD583-2-08
AIRBAG DEMONSTRATION PROGRAM
83292
SHBF2

PLOT DATE 20-OCT-83 08:46:32

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -6.74 & 195.25 , 2047.24 & 90.36

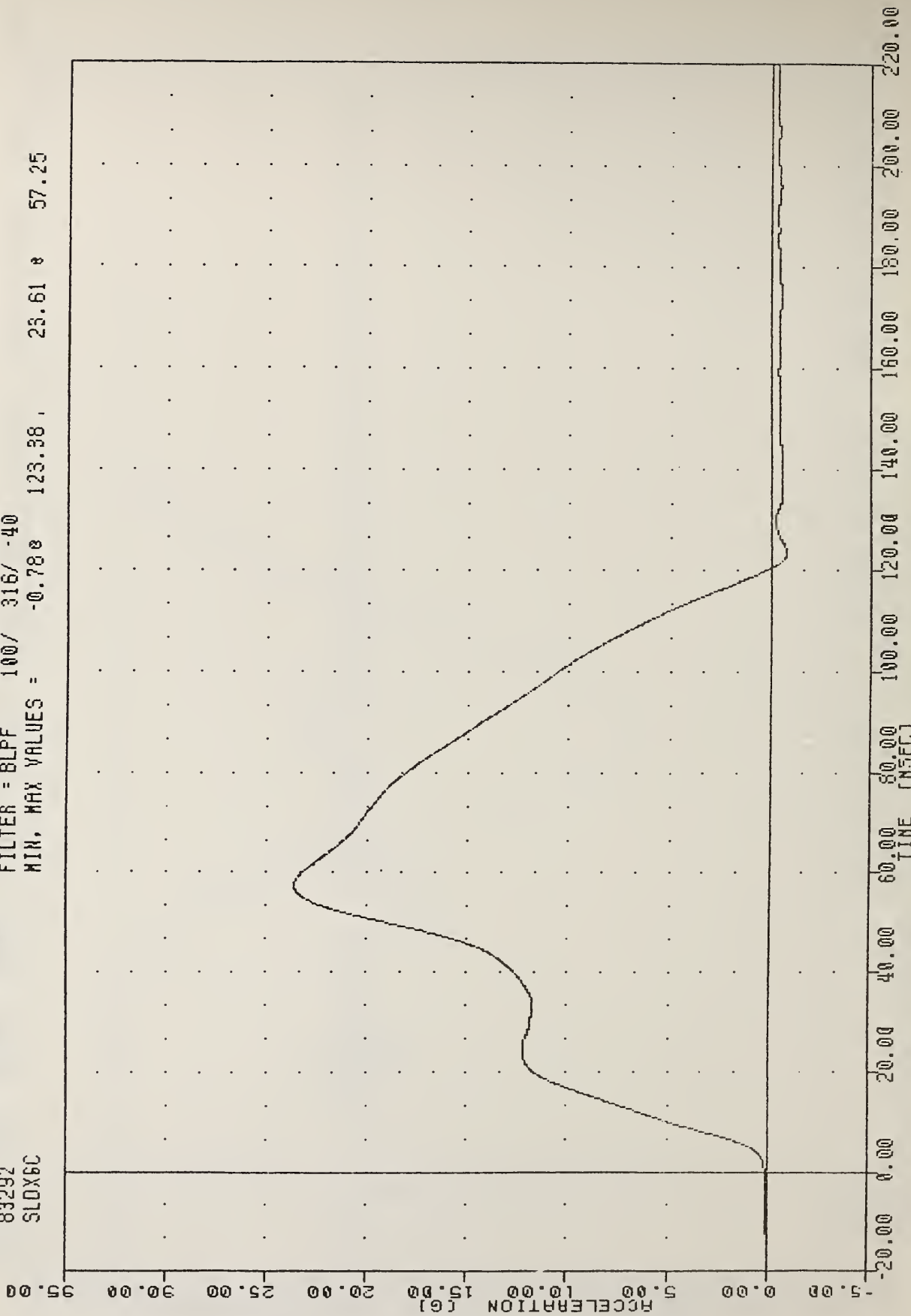


AIRBAG DEMONSTRATION PROGRAM
SHOULDER BELT FORCE 95TH PERCENTILE

VATC RD583-2-08
AIRBAG DEMONSTRATION PROGRAM
83292
SLDX6C

PLOT DATE 20-OCT-83 06:48:32

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -0.788 123.38 , 23.61 57.25

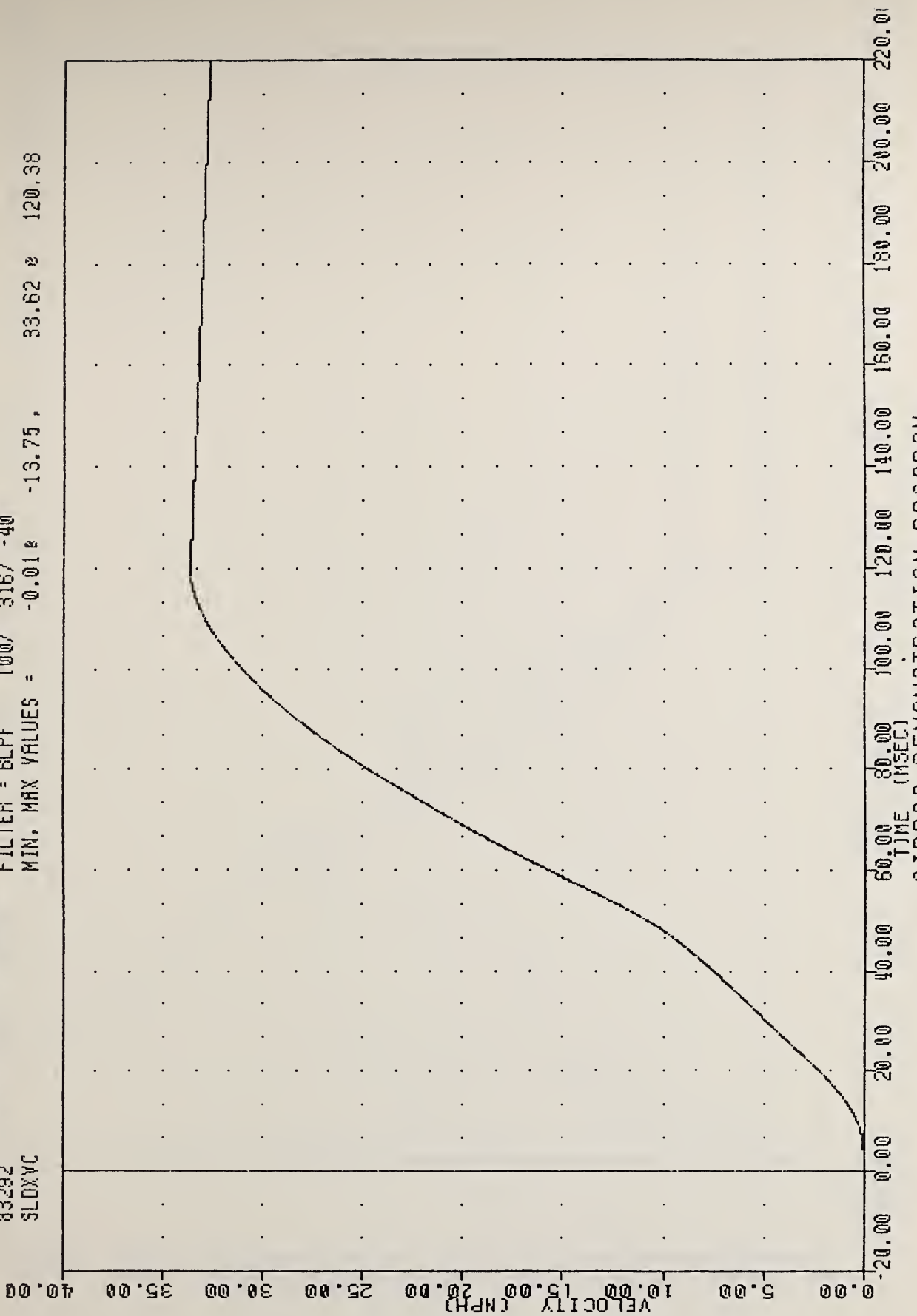


AIRBAG DEMONSTRATION PROGRAM
SLED ACCELERATION

AIRBAG DEMONSTRATION PROGRAM

83292
SLOXVC

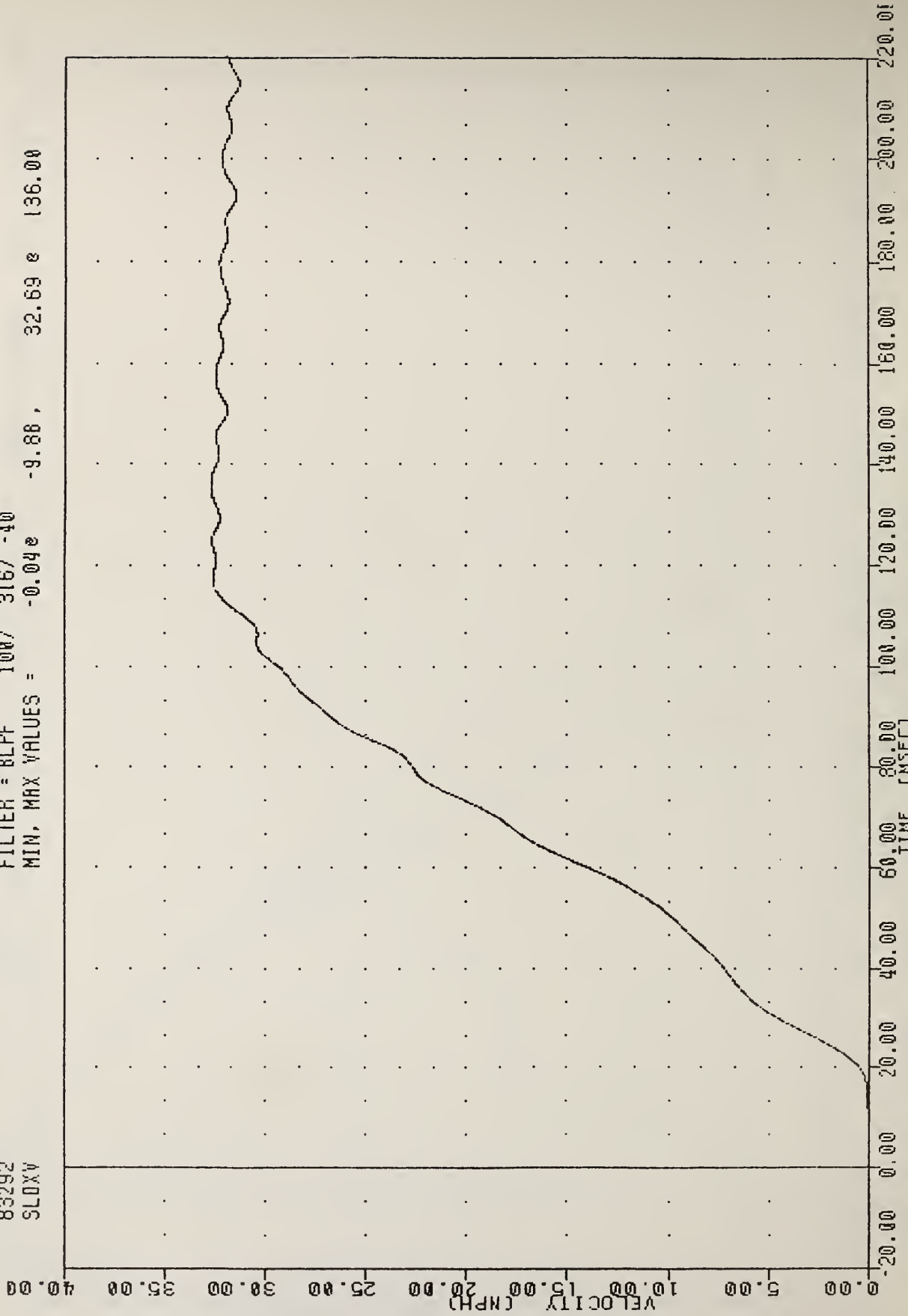
FILTER = 6LPF 100/ 316/ -40
MIN, MAX VALUES = -0.01E -13.75, 33.62 E 120.38



AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM
83292
SLOXV

FILTER = 8LFF 100/ 316/ -40
MIN. MAX VALUES = -0.04e -9.88 , 32.69 e 136.00



AIRBAG DEMONSTRATION PROGRAM
SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM

83292

FLUX6

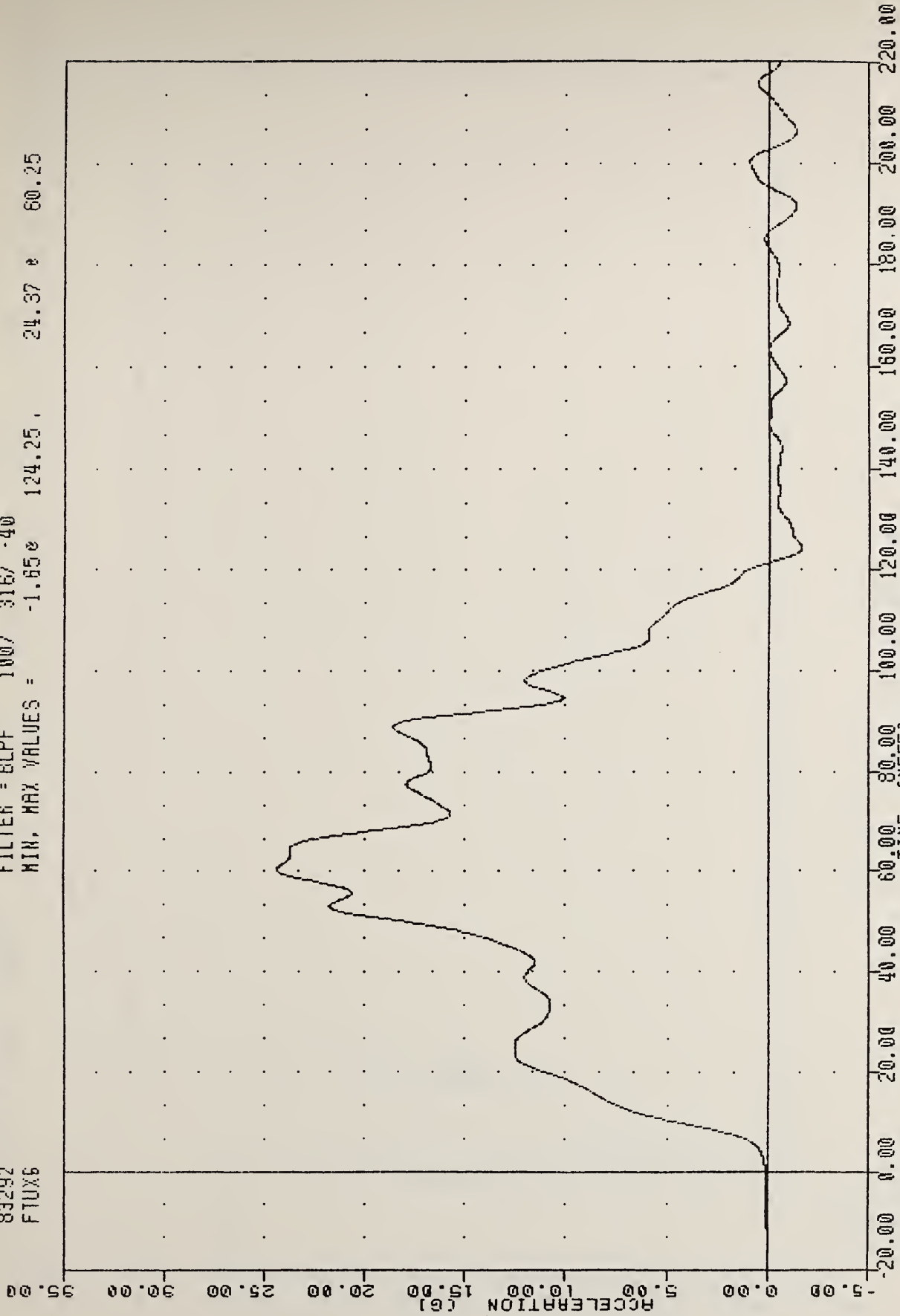
FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.65e

124.25,

24.37 e

60.25



AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

AIRBAG DEMONSTRATION PROGRAM

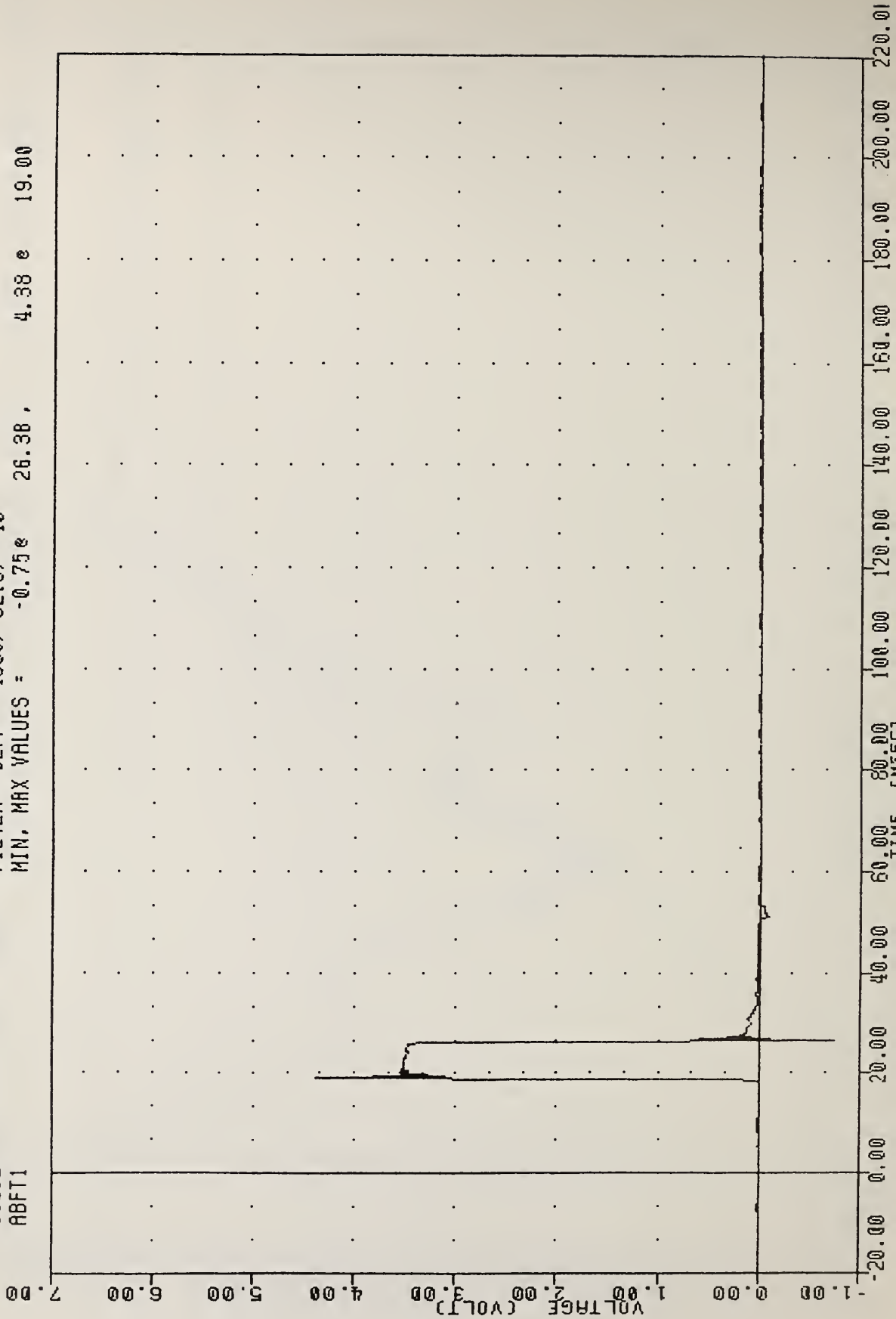
83292

ABFT1

FILTER = 6LPF 1650/ 5218/ -40

MIN, MAX VALUES = -0.75e

4.38 e 19.00



AIRBAG DEMONSTRATION PROGRAM

AIR BAG FIRING EVENT 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83292

FILTER = 6LFF 1650/ 5218/ -40

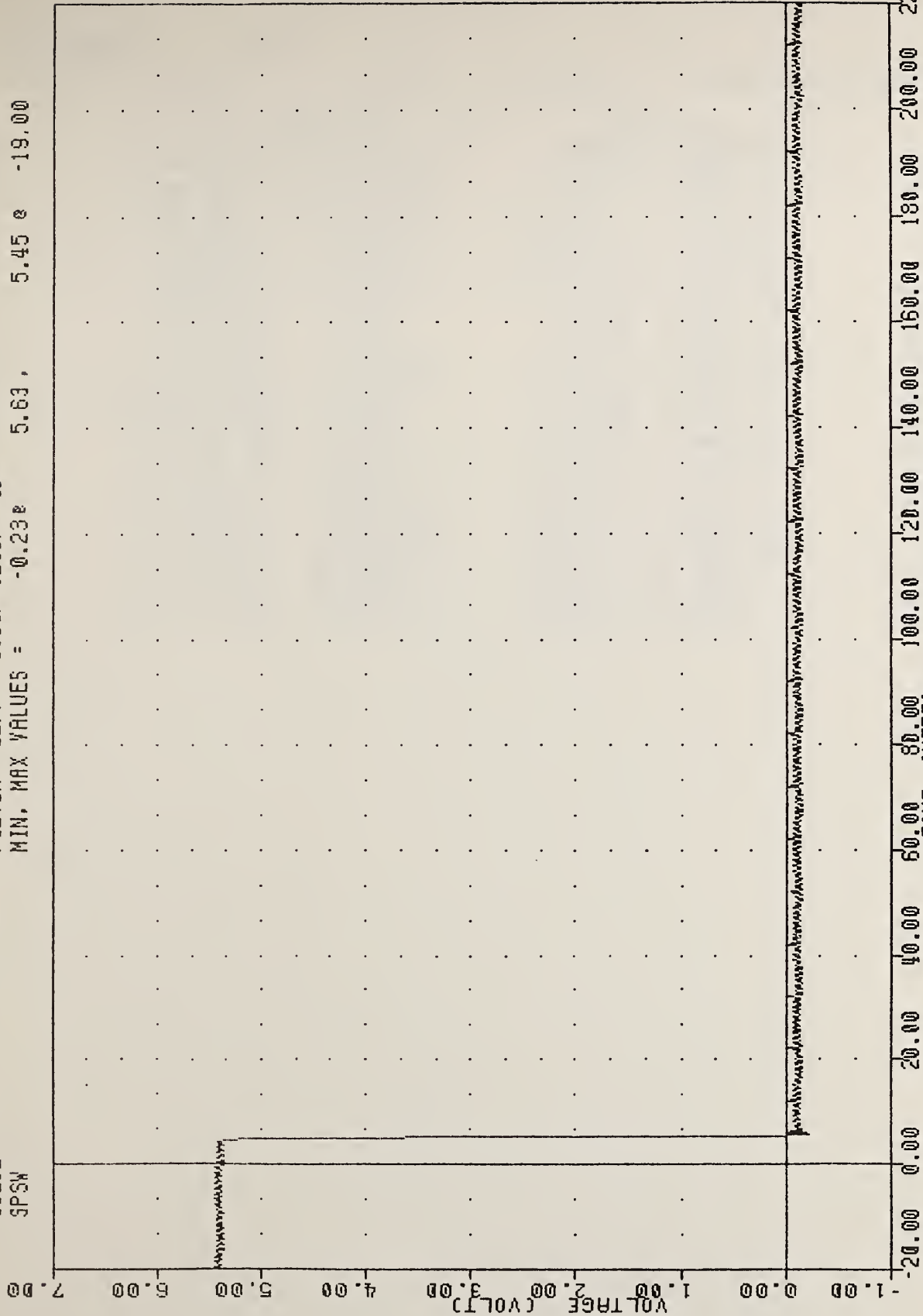
SPSW

MIN. MAX VALUES = -0.23E

5.63 ,

5.45 e

-19.00



AIRBAG DEMONSTRATION PROGRAM
SLED POSITION SWITCH

DEMONSTRATION PROGRAM

0.0 mph

83293

VRTC

RD583-2-09

20-OCT-83 16:03:14

	Min value		Max value		Unit
SPSW	-1.253 @	5.250	5.454 @	0.500 msec	volt
SLDXGC	-1.500 @	123.750	23.628 @	57.375 msec	g
SLDXVC	-0.010 @	-13.000	33.755 @	119.500 msec	mph
SLDXV	-0.016 @	7.875	32.675 @	117.000 msec	mph
FTUXG	-2.362 @	136.125	24.424 @	61.500 msec	g
ABFT1	-0.816 @	26.250	4.308 @	18.875 msec	volt
HEDXG2	-77.653 @	111.500	10.691 @	214.000 msec	g
HEDXV2	-47.760 @	198.375	0.601 @	87.750 msec	mph
HEDYG2	-4.958 @	100.875	9.060 @	120.125 msec	g
HEDZG2	-68.922 @	89.750	11.592 @	85.625 msec	g
CSTXG2	-51.926 @	110.875	28.438 @	209.500 msec	g
CSTXV2	-44.708 @	156.125	0.000 @	-25.000 msec	mph
CSTYG2	-9.216 @	209.875	9.502 @	111.000 msec	g
CSTZG2	-20.480 @	104.375	17.269 @	84.250 msec	g
PEVXG2	-59.704 @	84.000	3.350 @	214.250 msec	g
PEVYG2	-4.711 @	51.250	5.154 @	57.250 msec	g
PEVZG2	-9.668 @	117.000	35.209 @	91.500 msec	g
LFMF2	-493.233 @	50.750	178.872 @	63.125 msec	lb
RFMF2	-516.098 @	56.625	389.753 @	84.000 msec	lb
HEDRG2	0.031 @	-20.125	79.802 @	111.500 msec	g
CSTRG2	0.003 @	-10.000	55.270 @	107.000 msec	g
PEVRG2	0.012 @	-18.375	63.476 @	84.500 msec	g

* * * HIC computation for TRC217I 20-OCT-83 15:59:50

HEDRG2 VRTC RD583-2-09 83293 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 79.80 @ 111.500

HIC = 858.35 Interval from 88.750 [911] to 127.500 [1221]

HIC = 629.10 Interval from 105.000 [1041] to 120.000 [1161]

Elapsed time = 24.57 sec

Enter channel [,stop time] -->EXIT

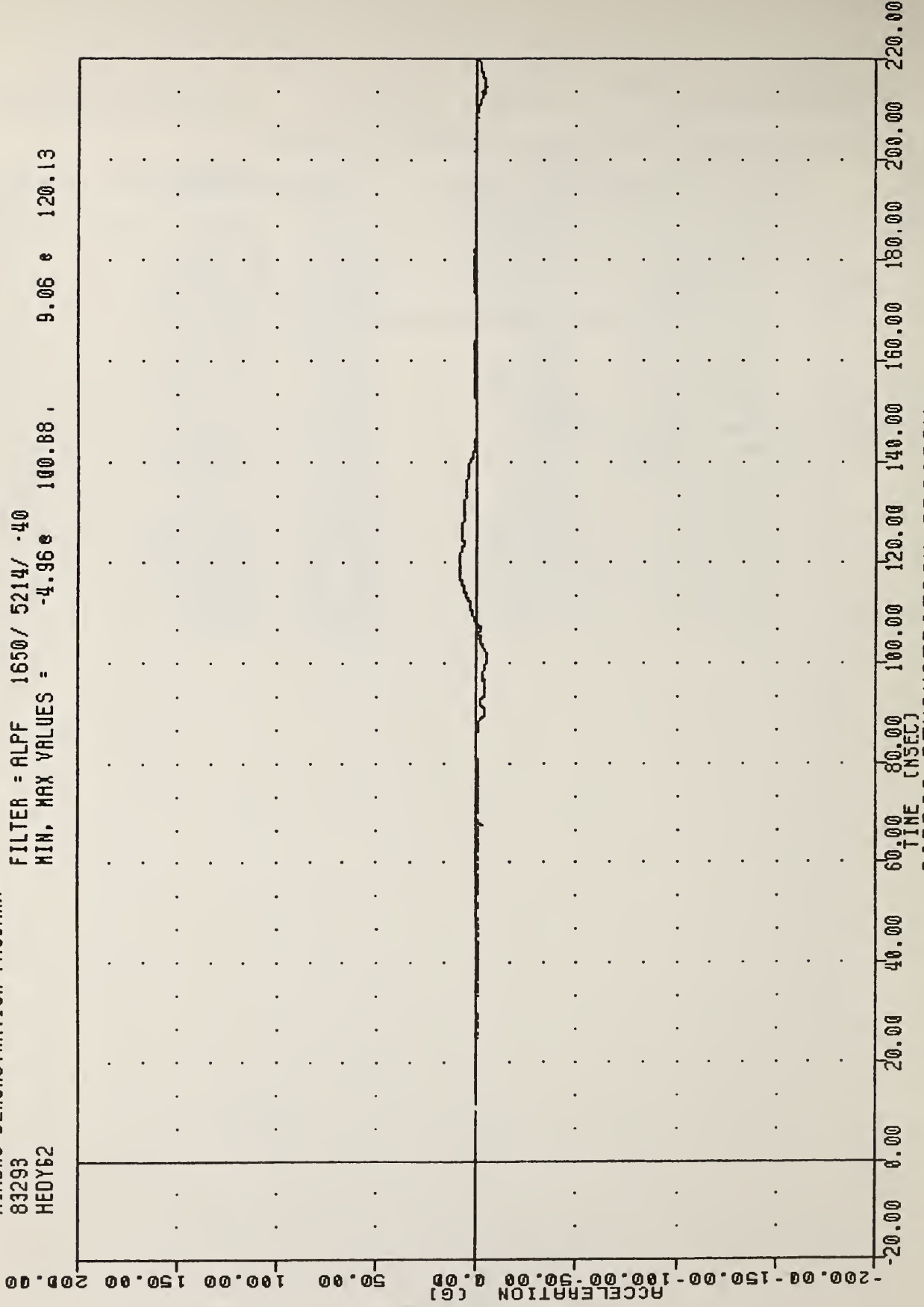
Enter input filespec -->EXIT

\$

VATC AD583-2-09
AIRBAG DEMONSTRATION PROGRAM
83293
HEDY62

PLOT DATE 20-OCT-83 16:00:31

FILTER = ALPF 1650/ 5214/ .40
MIN, MAX VALUES = -4.96e 100.88, 9.06 e 120.13



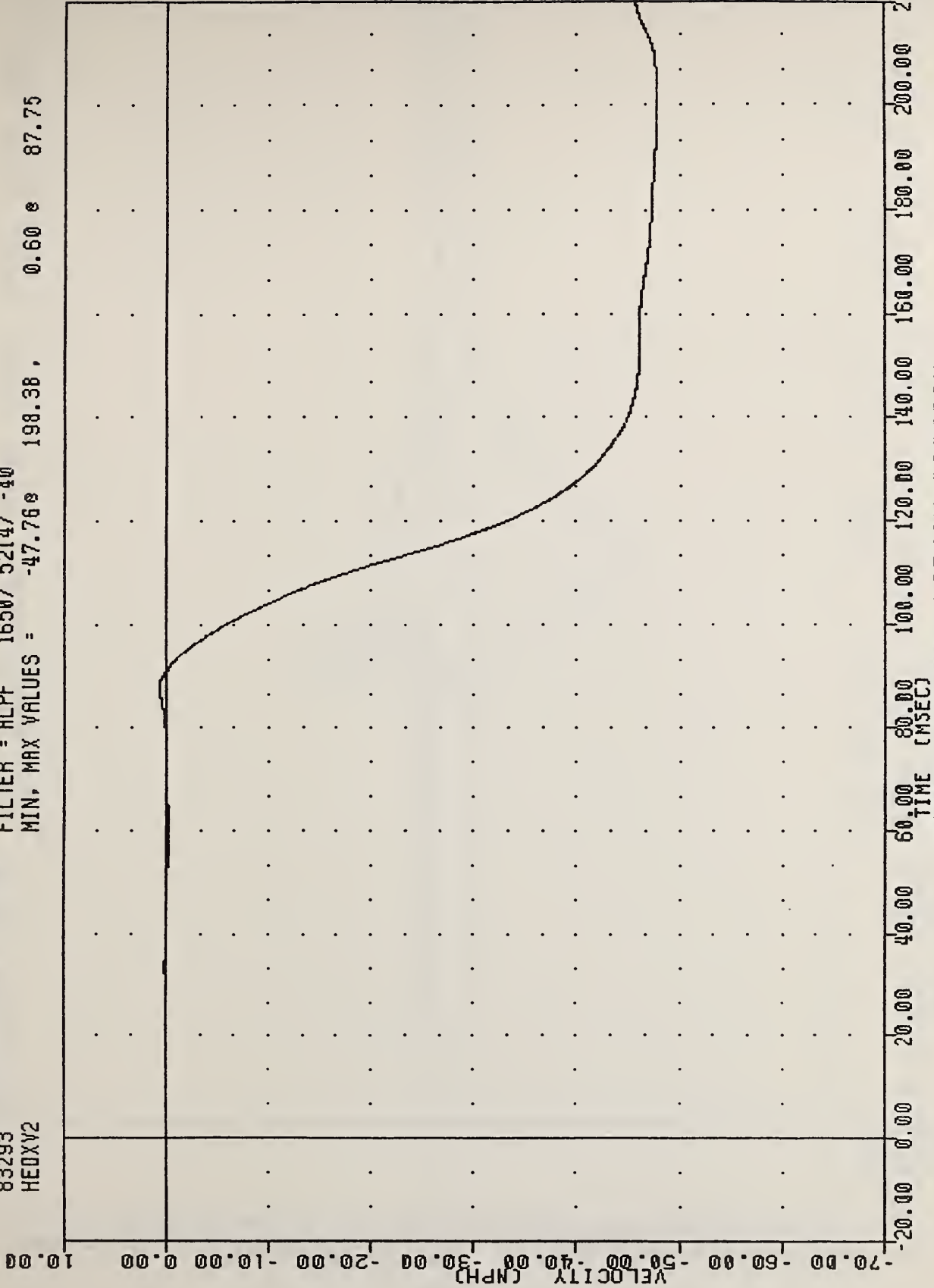
AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Y AXIS 95TH PERCENTILE

VRTC RD583-2-09
AIRBAG DEMONSTRATION PROGRAM
83293
HEADV2

PLOT DATE 20-OCT-83 16:00:31

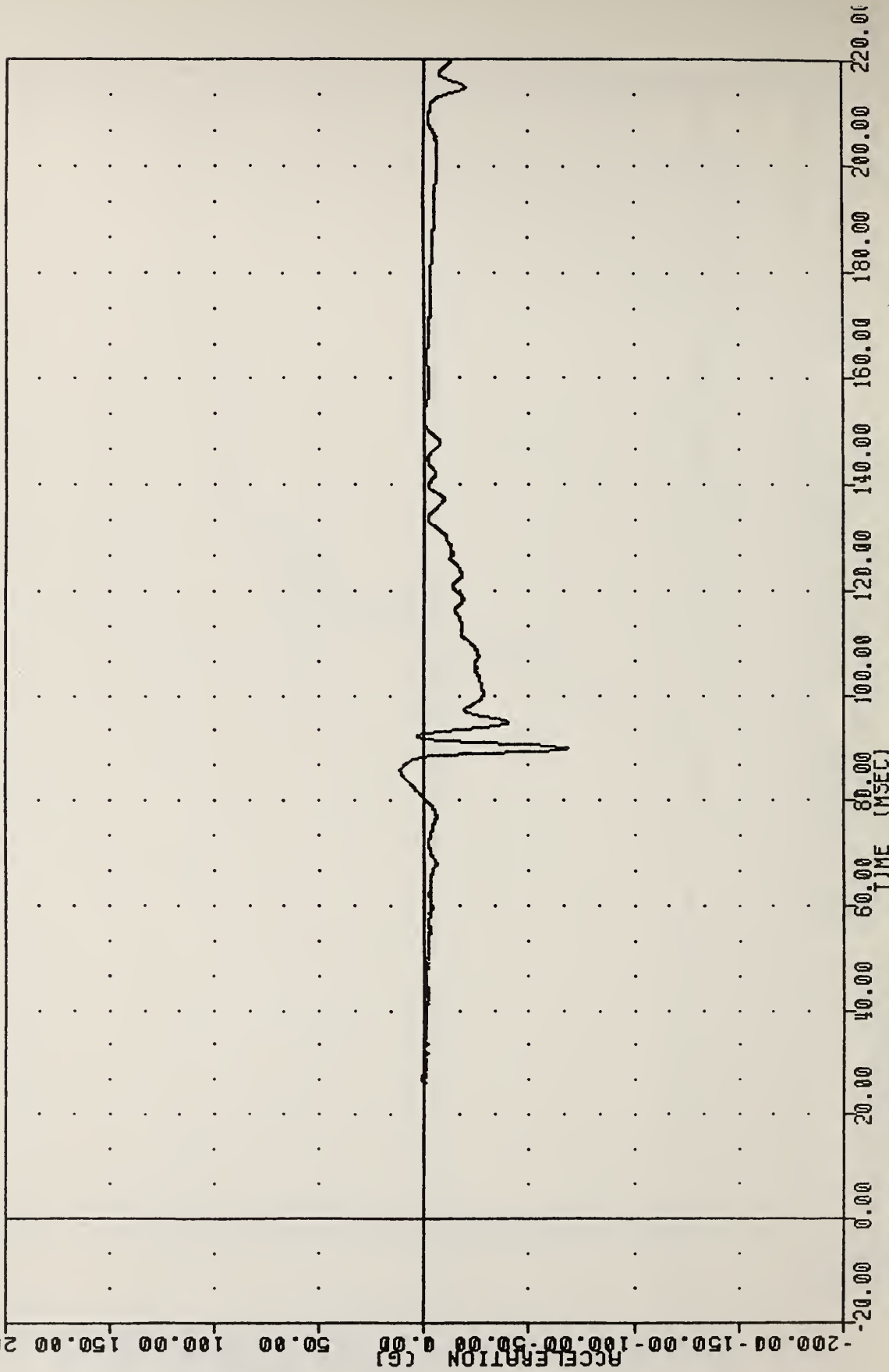
FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -47.76e 198.38, 0.60 e 87.75



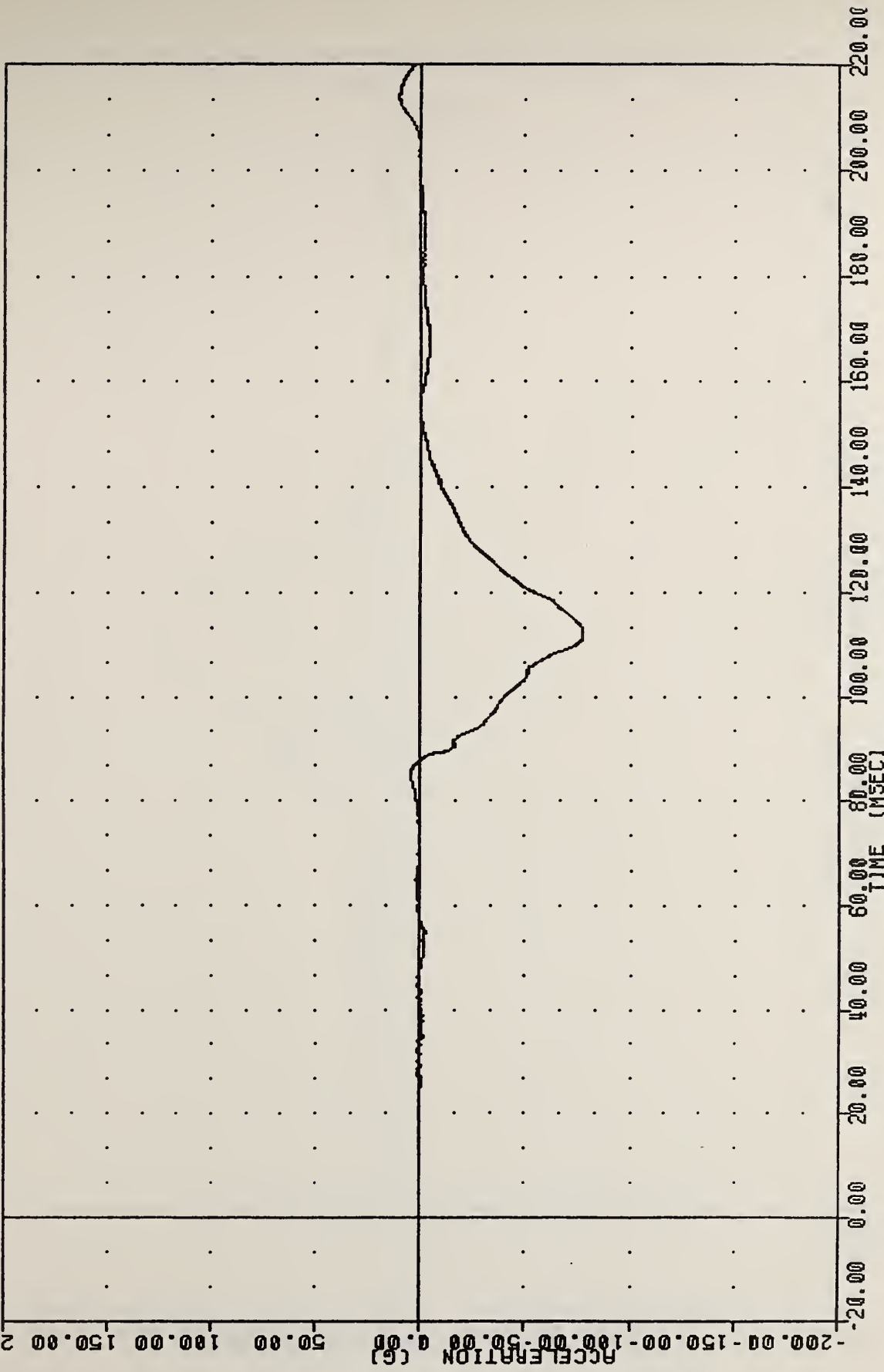
AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 95TH PERCENTILE

YRTC R0583-2-09 PLOT DATE 20-OCT-83 16:00:31
 AIRBAG DEMONSTRATION PROGRAM
 83293 FILTER = ALPF 1650/ 5214/ -40
 HEDZG2 MIN, MAX VALUES = -68.92 89.75 , 11.59 85.63



AIRBAG DEMONSTRATION PROGRAM
 HEAD ACCELERATION Z AXIS 95TH PERCENTILE

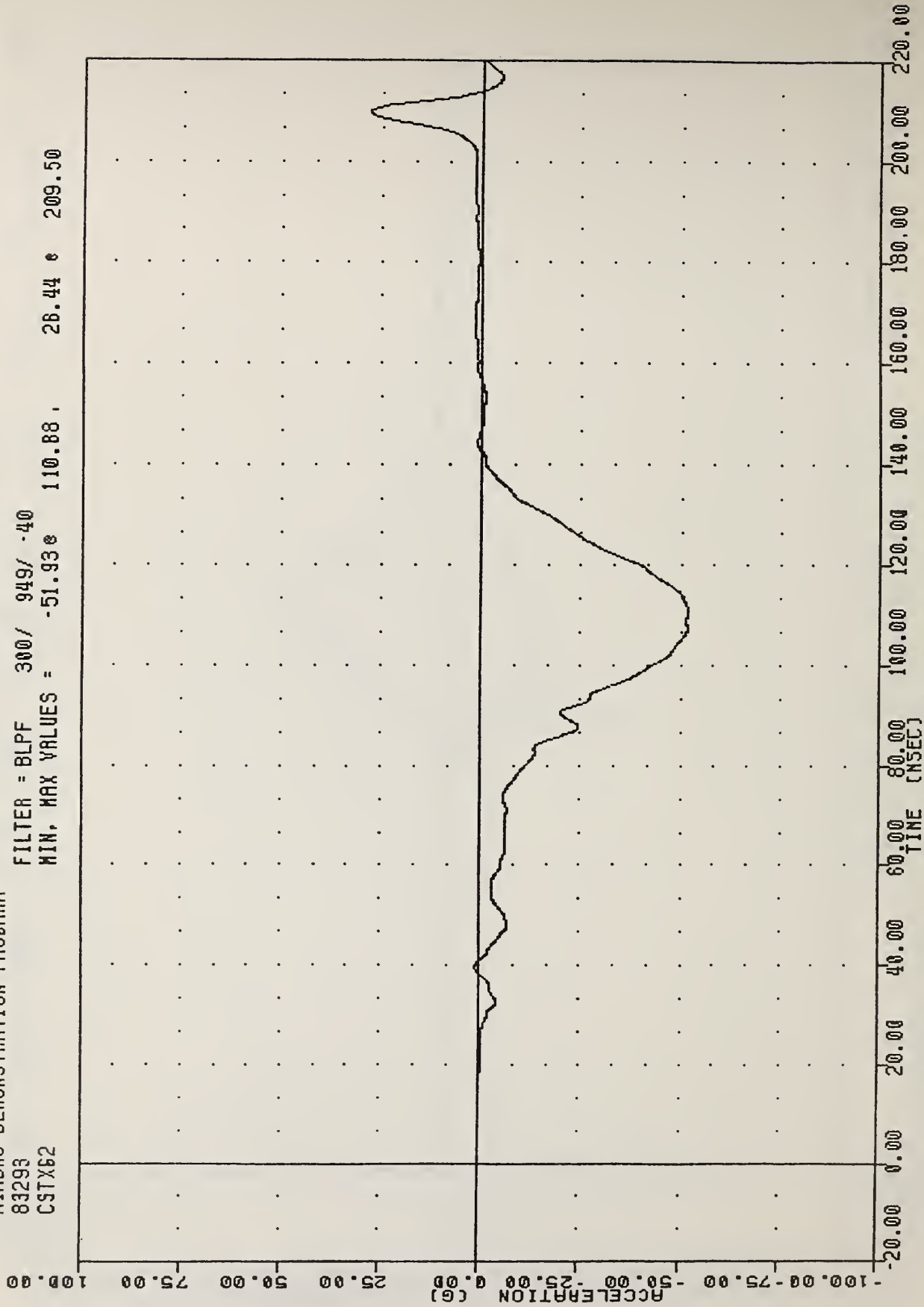
VRTC R0583-2-09 PLOT DATE 20-OCT-83 16:00:31
 AIRBAG DEMONSTRATION PROGRAM
 83293 FILTER = ALPF 1650/ 5214/ -40
 HEDXG2 MIN, MAX VALUES = -77.65g 111.50, 10.69 g 214.00



AIRBAG DEMONSTRATION PROGRAM
 HEAD ACCELERATION X AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83293
CSTX62

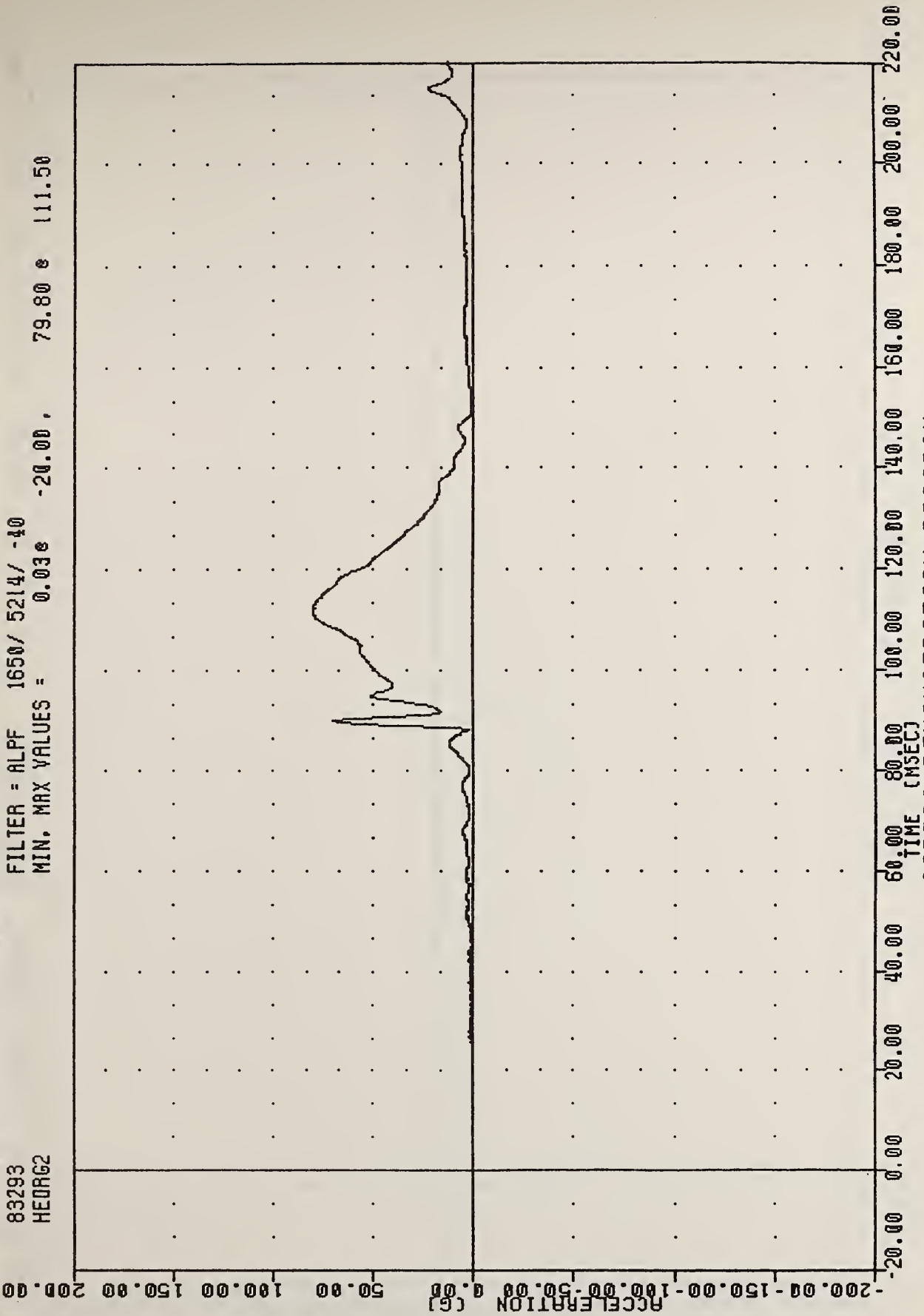
FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -51.93 110.88 , 26.44 209.50



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83293
HEADG2

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.03e -20.00 , 79.80 e 111.50



AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83293

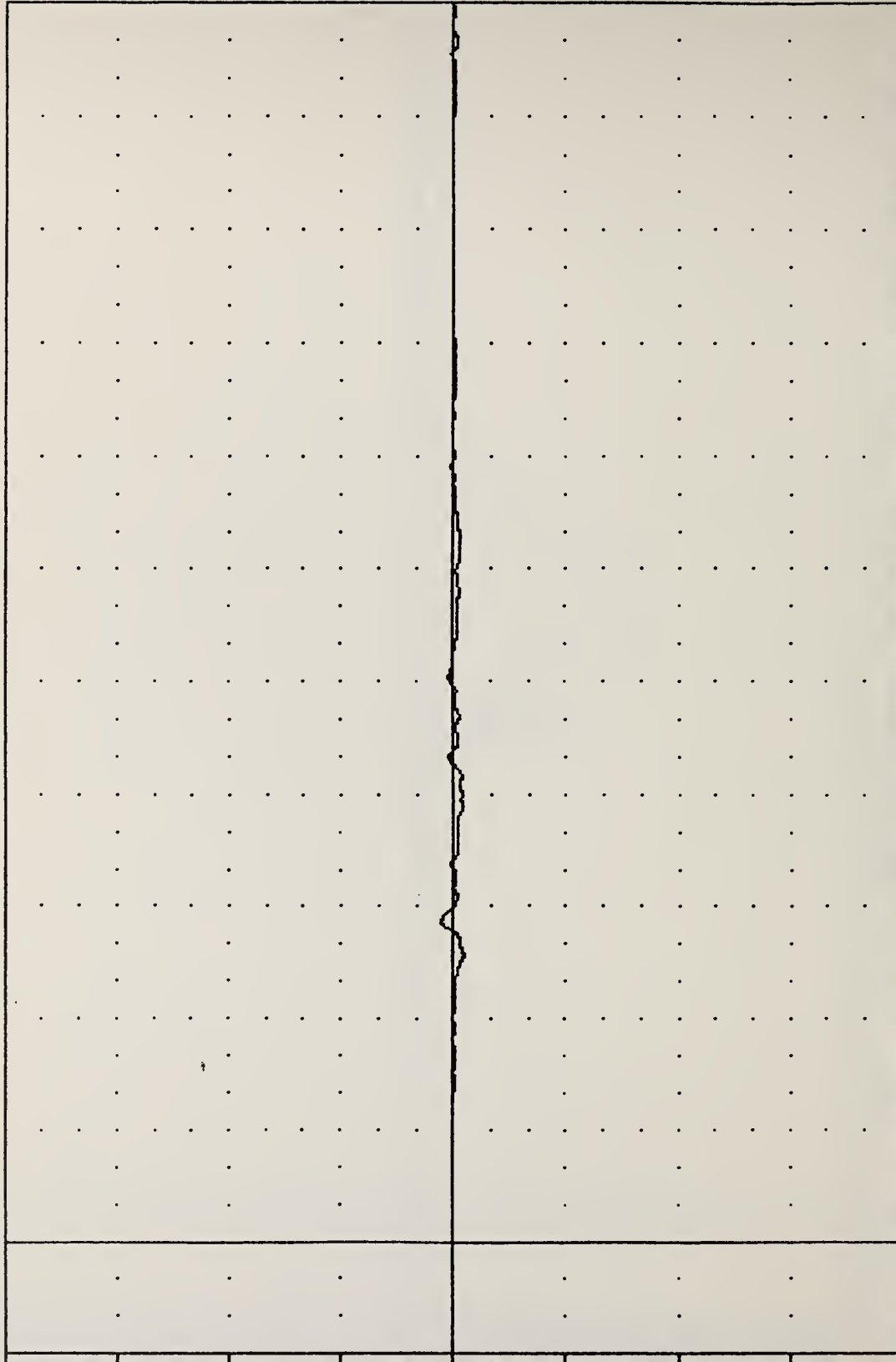
PEY62

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -4.71e

51.25, 5.15 e 57.25

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

AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Y AXIS 95TH PERCENTILE

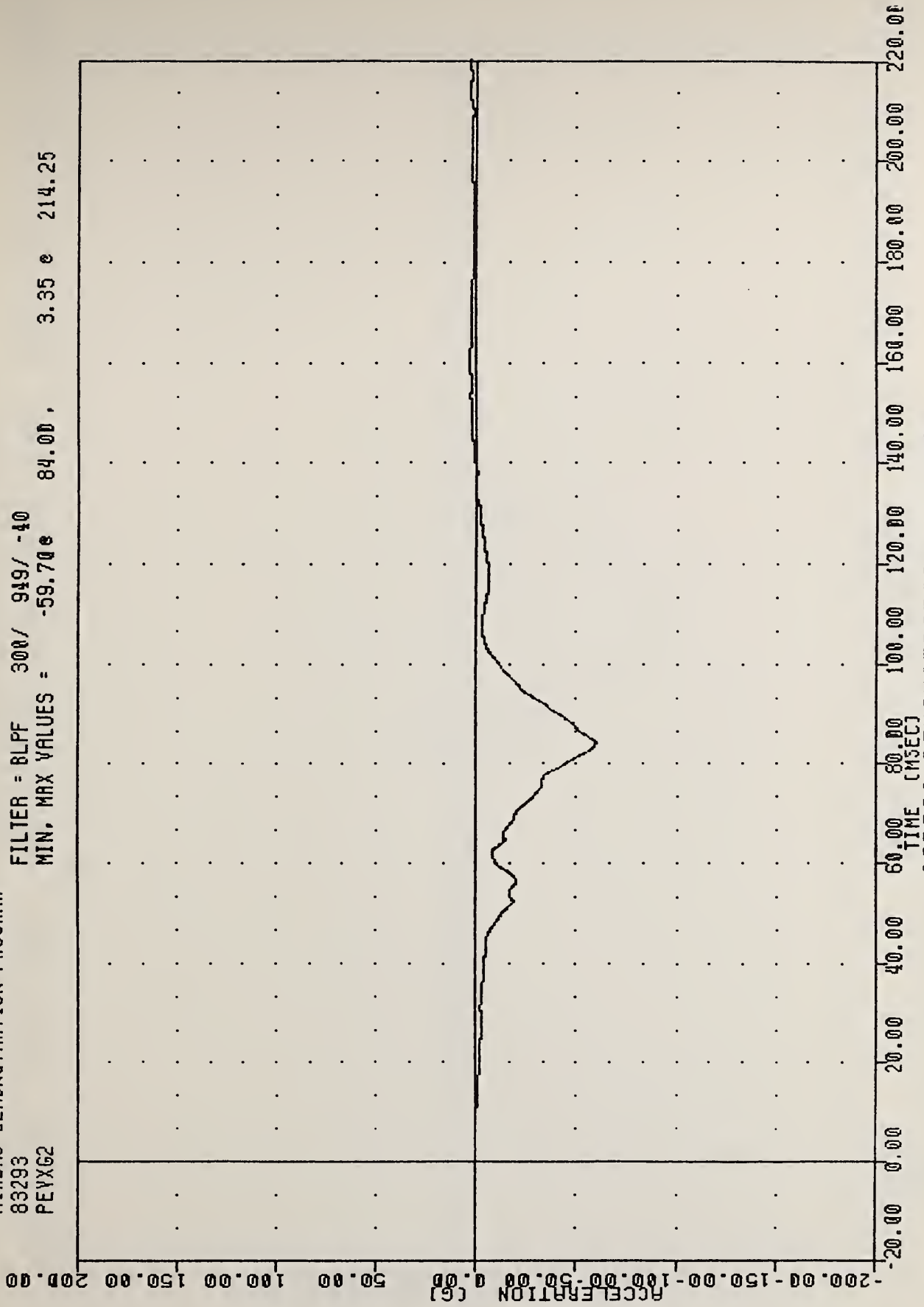
AIRBAG DEMONSTRATION PROGRAM

83293

PEVXG2

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -59.70e 84.00 , 3.35 e 214.25



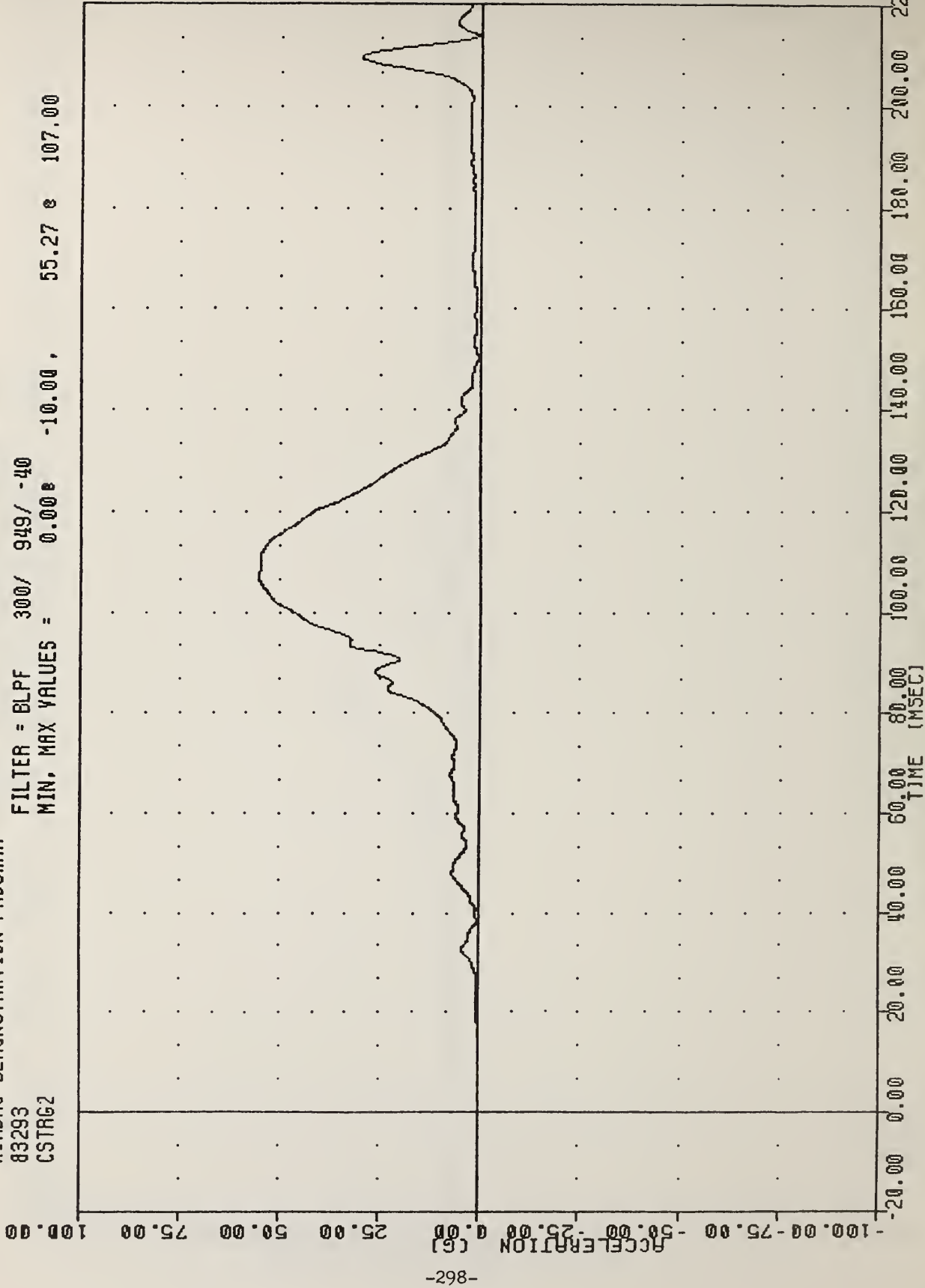
AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION X AXIS 95TH PERCENTILE

VRTC RD583-2-09
AIRBAG DEMONSTRATION PROGRAM
83293
CSTRG2

PLOT DATE 20-OCT-83 16:00:31

FILTER = BLPF 300/ 949/ -40

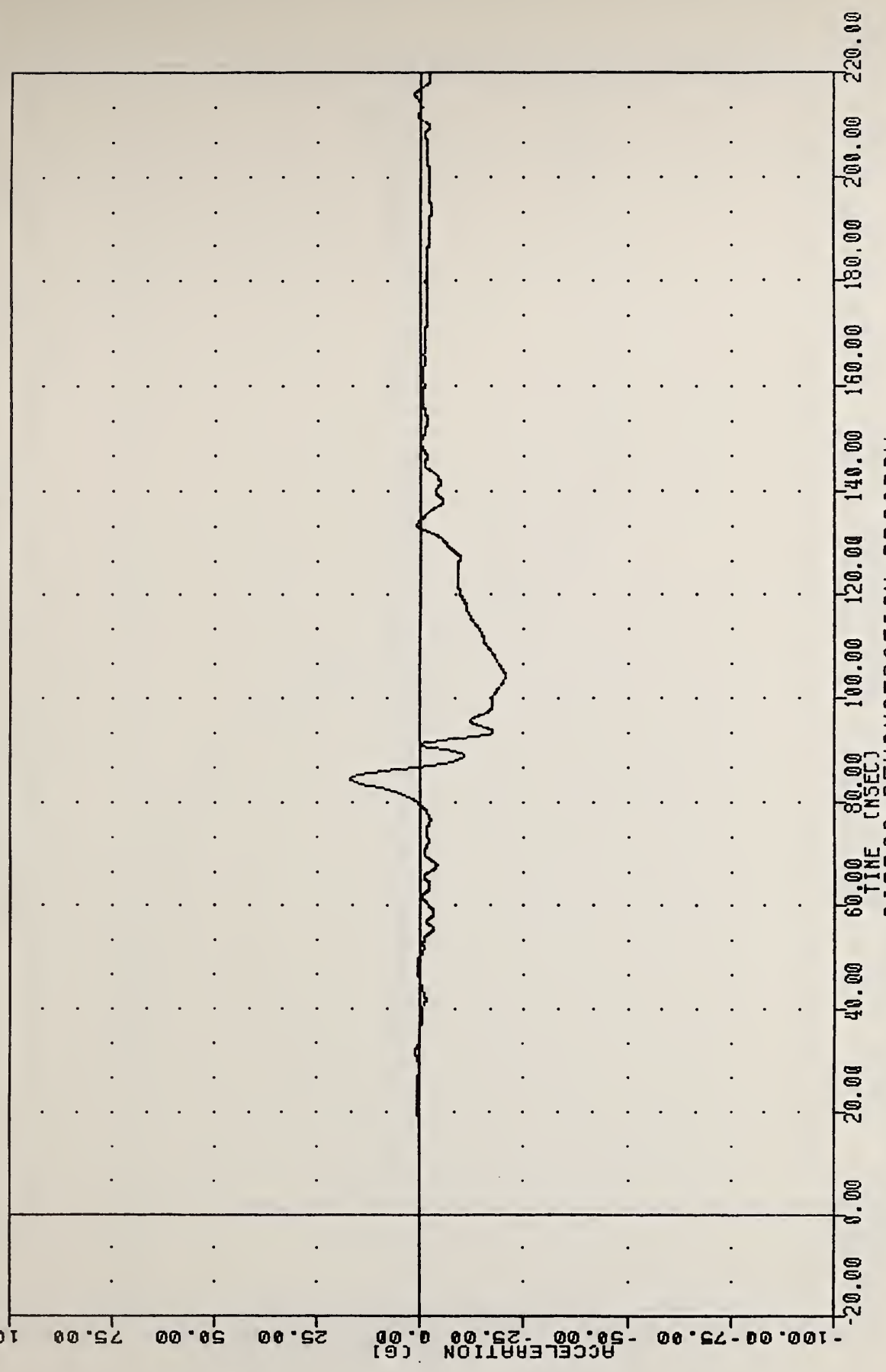
MIN, MAX VALUES = 0.00e -10.00, 55.27 e 107.00



AIRBAG DEMONSTRATION PROGRAM
CHEST RESULTANT ACCELERATION 95TH PERCENTILE

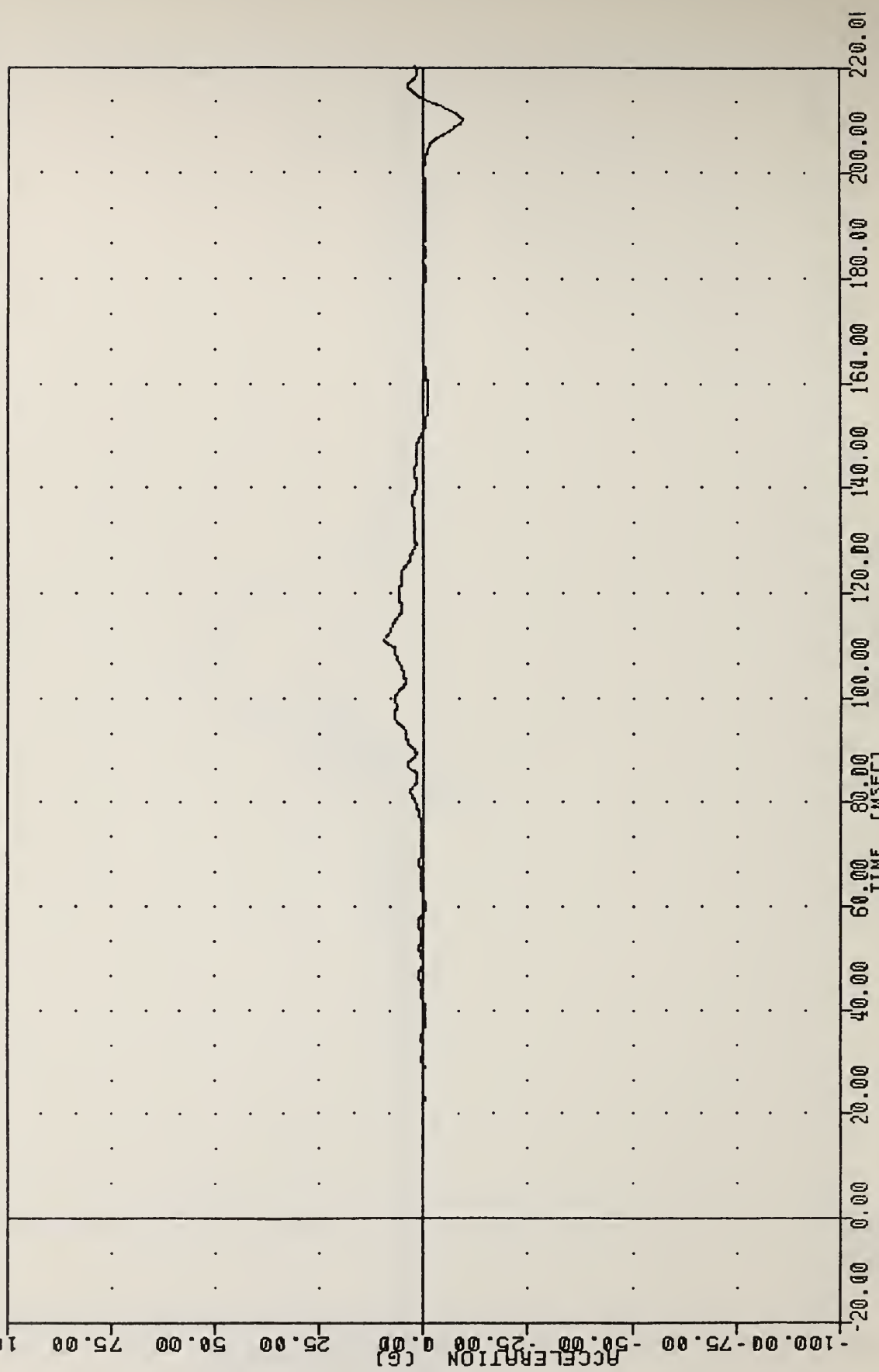
AIRBAG DEMONSTRATION PROGRAM
83293
CSTZ62

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -20.48e 104.38 , 17.27 e 84.25



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 95TH PERCENTILE

VRTC R0583-2-09 PLOT DATE 20-OCT-83 16:00:31
 AIRBAG DEMONSTRATION PROGRAM
 83293 FILTER = BLPF 300/ 949/ -40
 CSTYG2 MIN, MAX VALUES = -9.22e 209.8B, 9.50 e 111.00



AIRBAG DEMONSTRATION PROGRAM
 CHEST ACCELERATION Y AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83293
CSTXV2

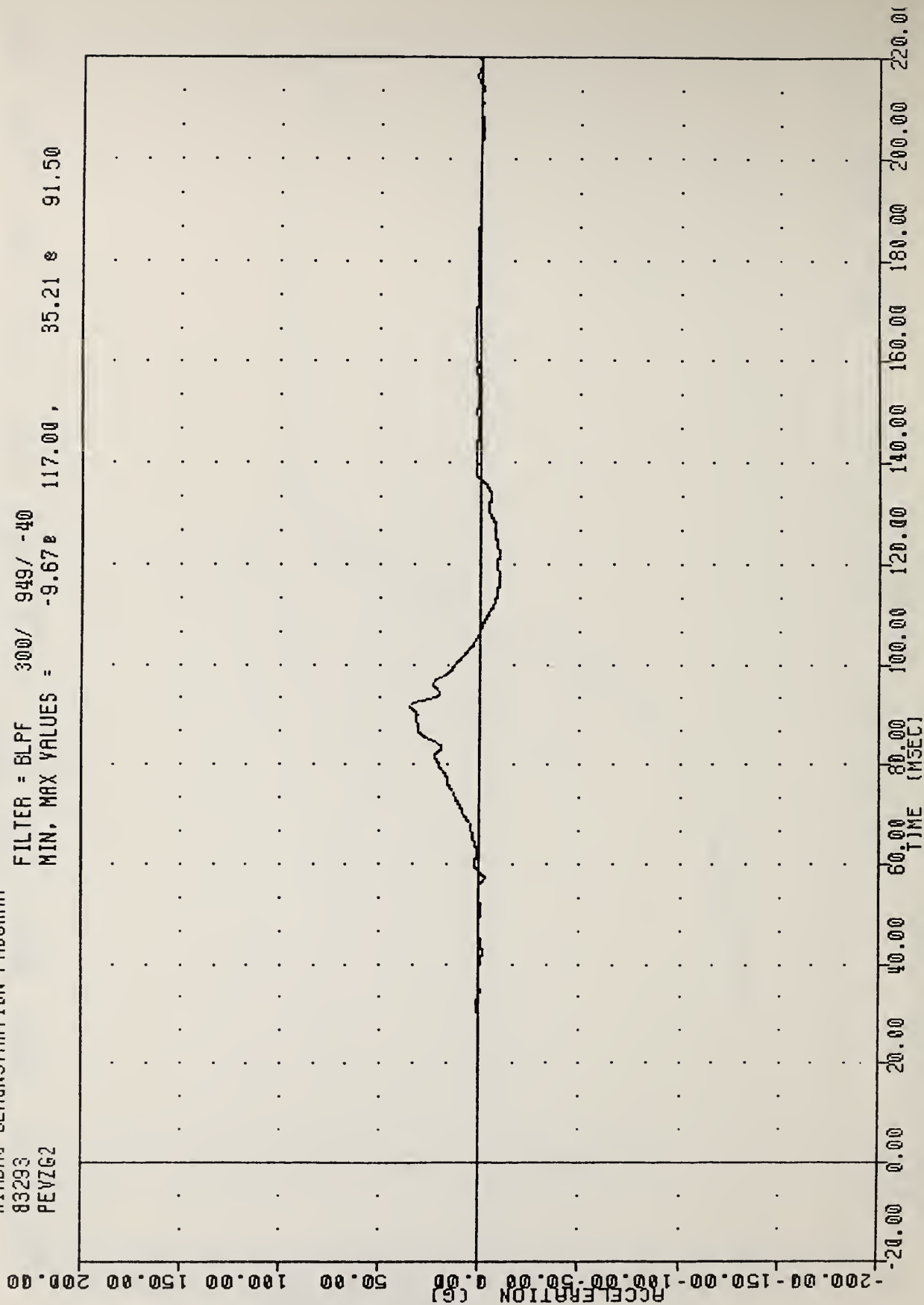
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -44.718 156.13, 0.00 s -10.00



AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83293
PEVZG2

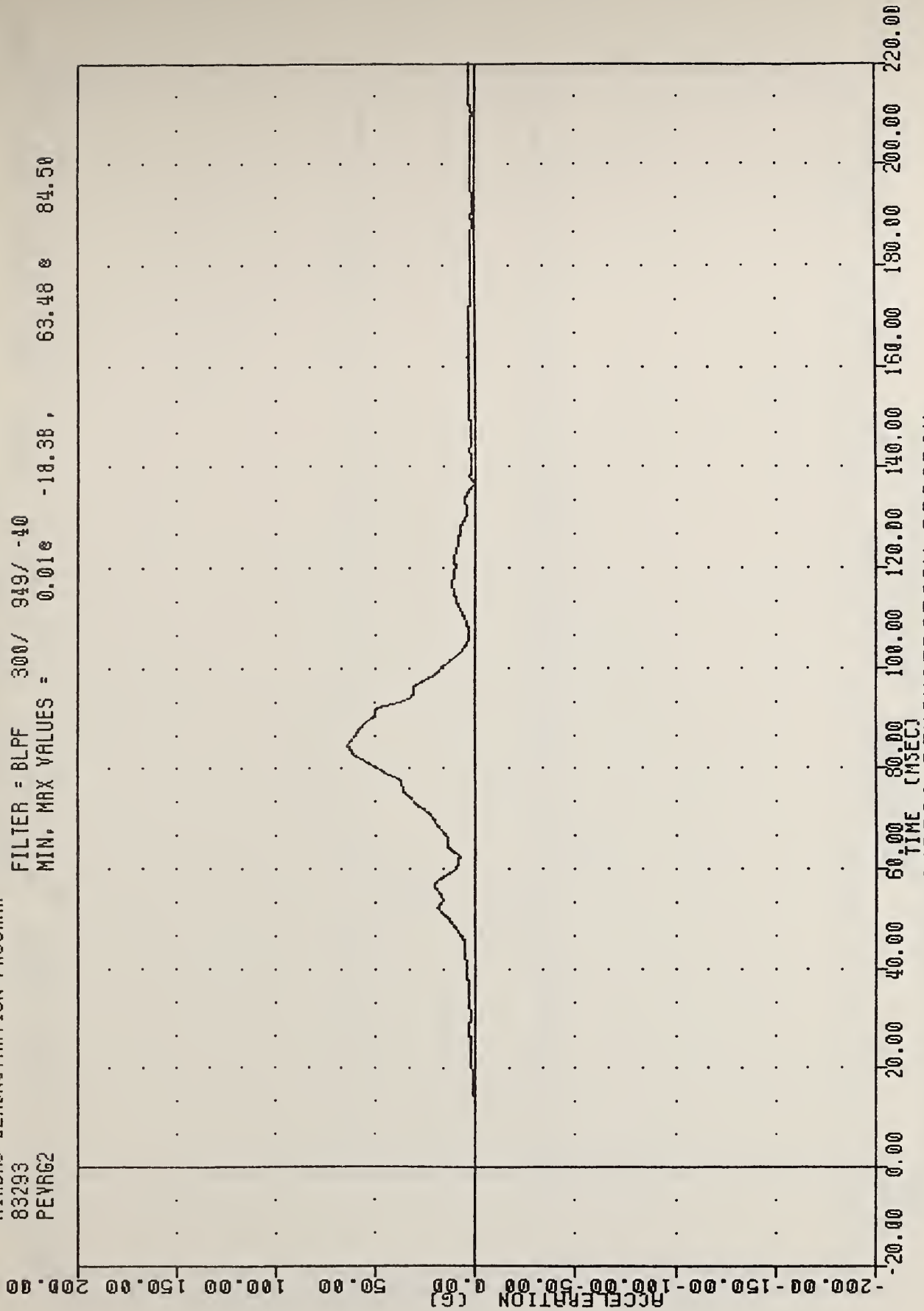
FILTER = 6LFF 300/ 949/ -40
MIN, MAX VALUES = -9.67e 117.00, 35.21 e 91.50



AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION Z AXIS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83293
PEVRG2

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = 0.01e -18.38 , 63.48 e 84.50



AIRBAG DEMONSTRATION PROGRAM
PELVIS RESULTANT ACCELERATION 95TH PERCENTILE

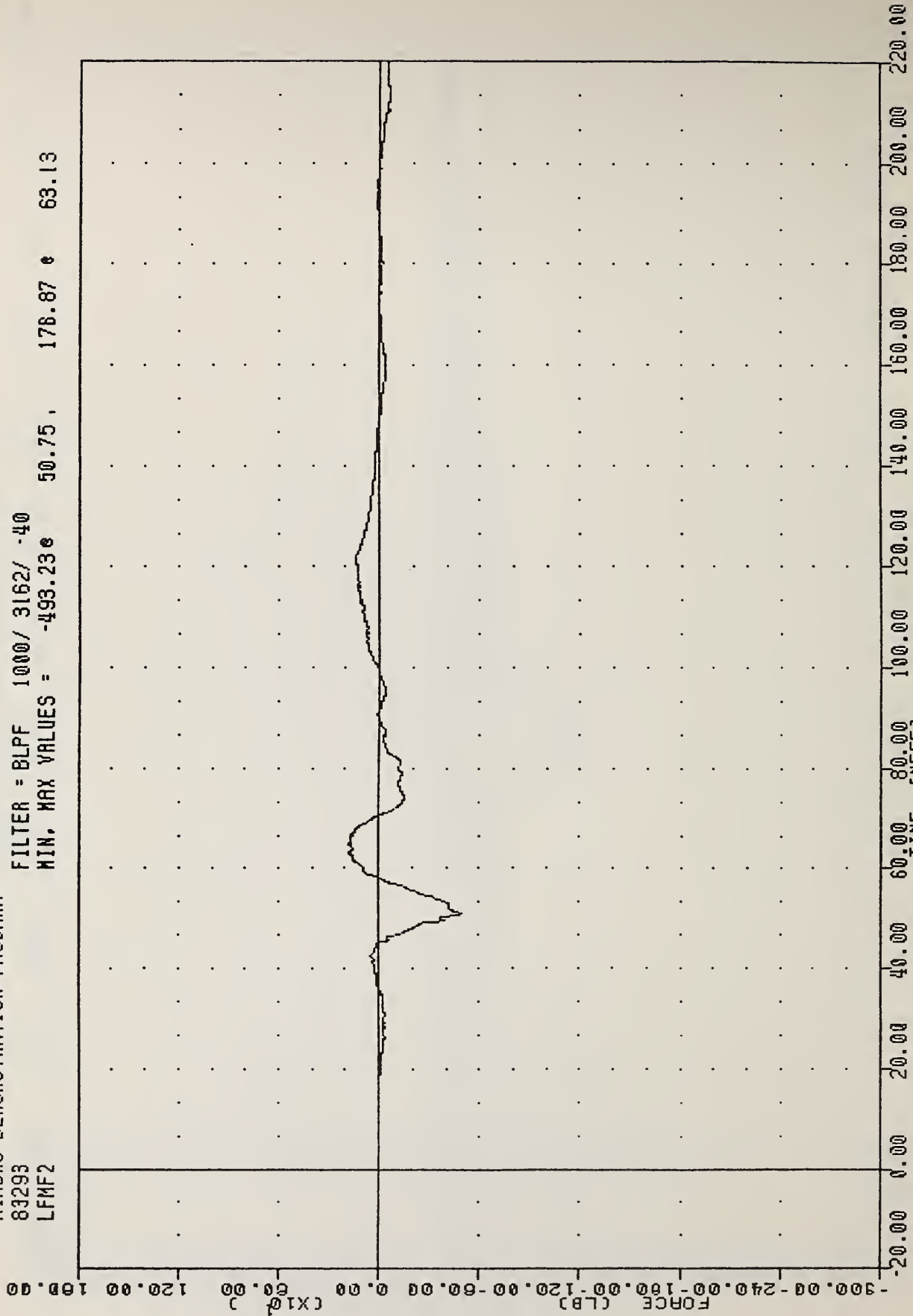
AIRBAG DEMONSTRATION PROGRAM

83293

LFMF2

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -493.23e 50.75, 176.87 e 63.13



AIRBAG DEMONSTRATION PROGRAM
LEFT FEMUR FORCE IN LBS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

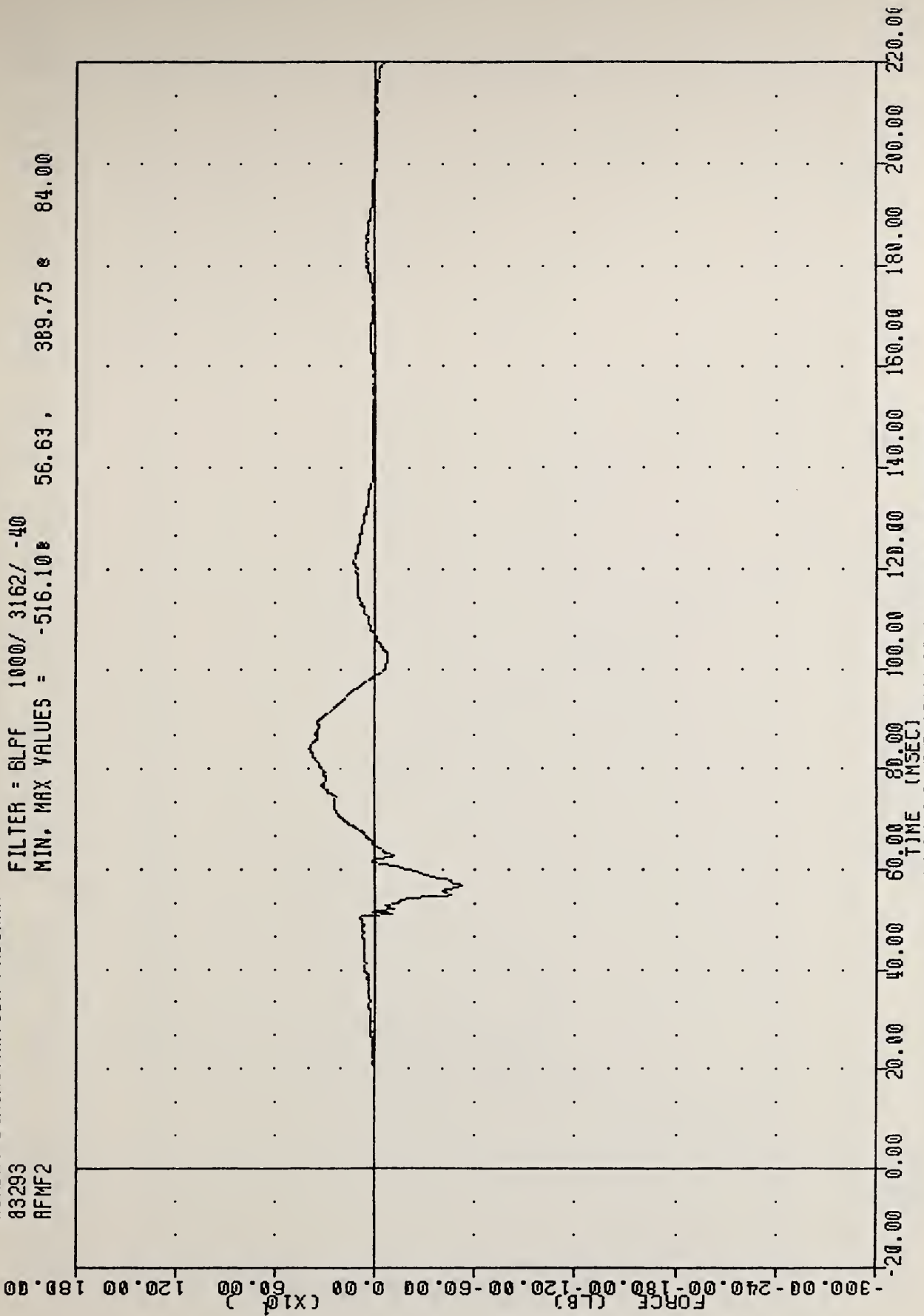
83293

RFMF2

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -516.10 56.63

389.75 84.00

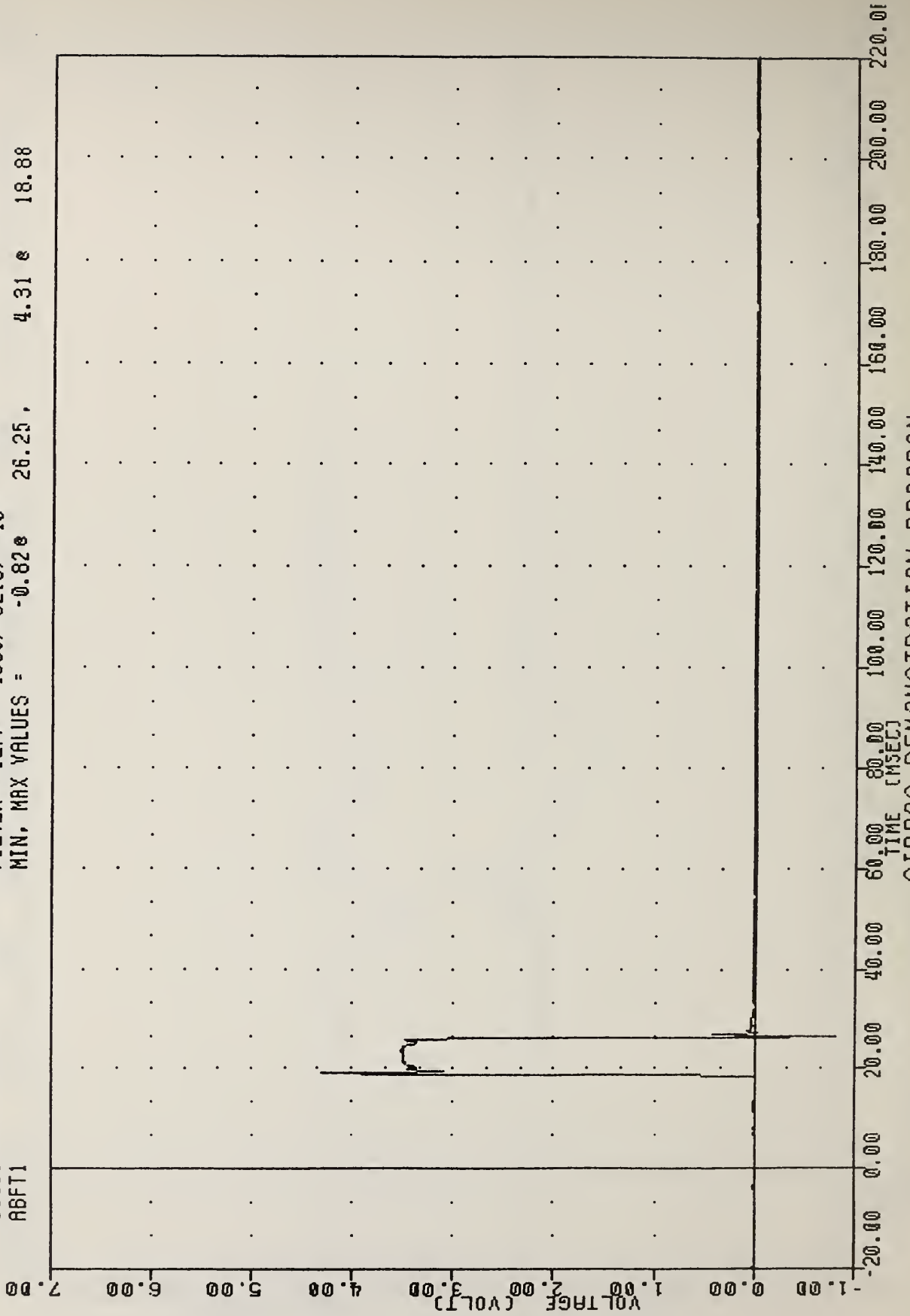


AIRBAG DEMONSTRATION PROGRAM

RIGHT FEMUR FORCE IN LBS 95TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83293
ABFT1

FILTER = 8LPF 1650/ 5218/ -40
MIN, MAX VALUES = -0.82e 26.25, 4.31 e 18.88



AIRBAG DEMONSTRATION PROGRAM
AIR BAG FIRING EVENT 95TH PERCENTILE

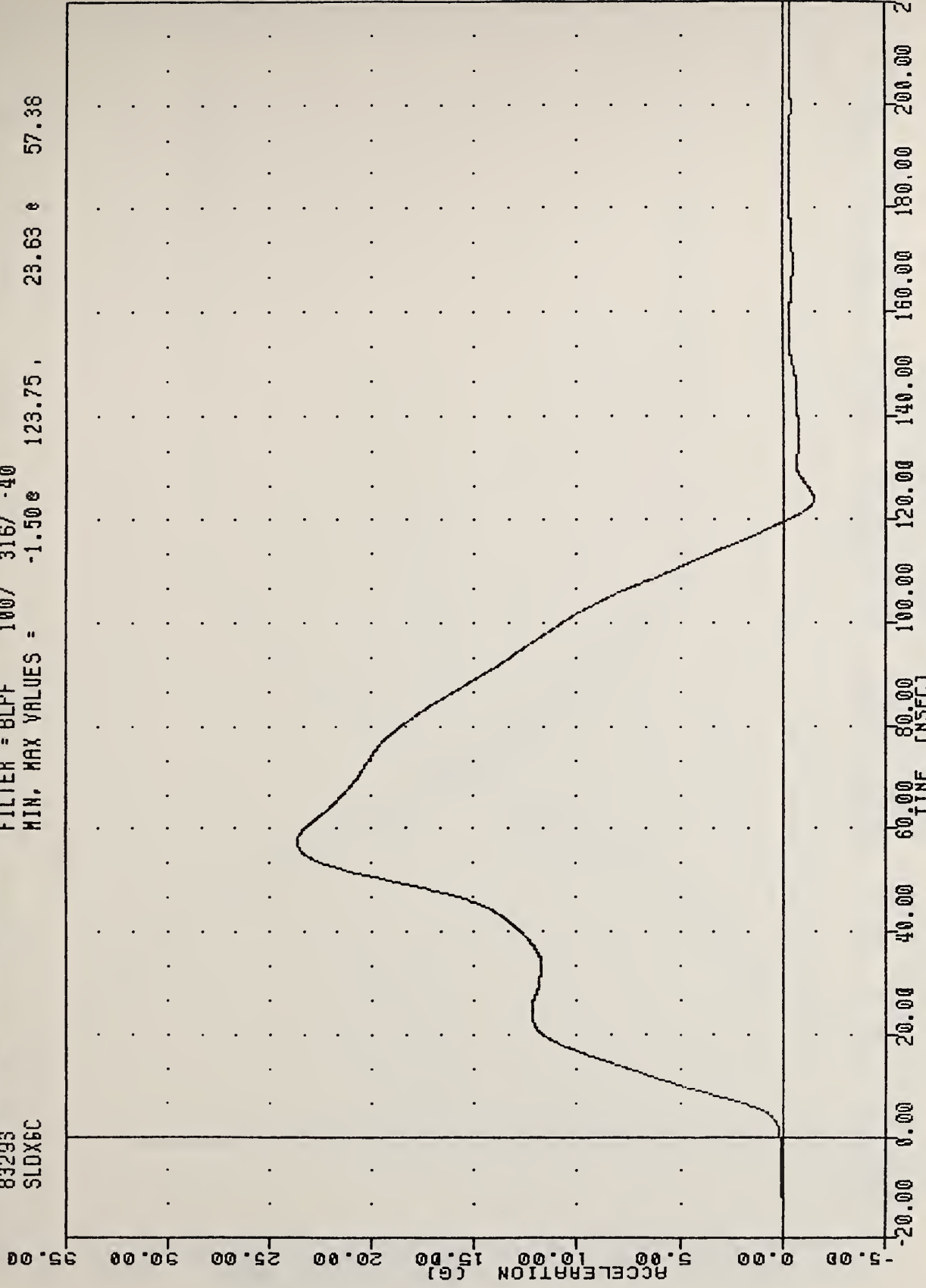
AIRBAG DEMONSTRATION PROGRAM

83293

SLDX6C

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -1.50e 123.75 , 23.63 e 57.38

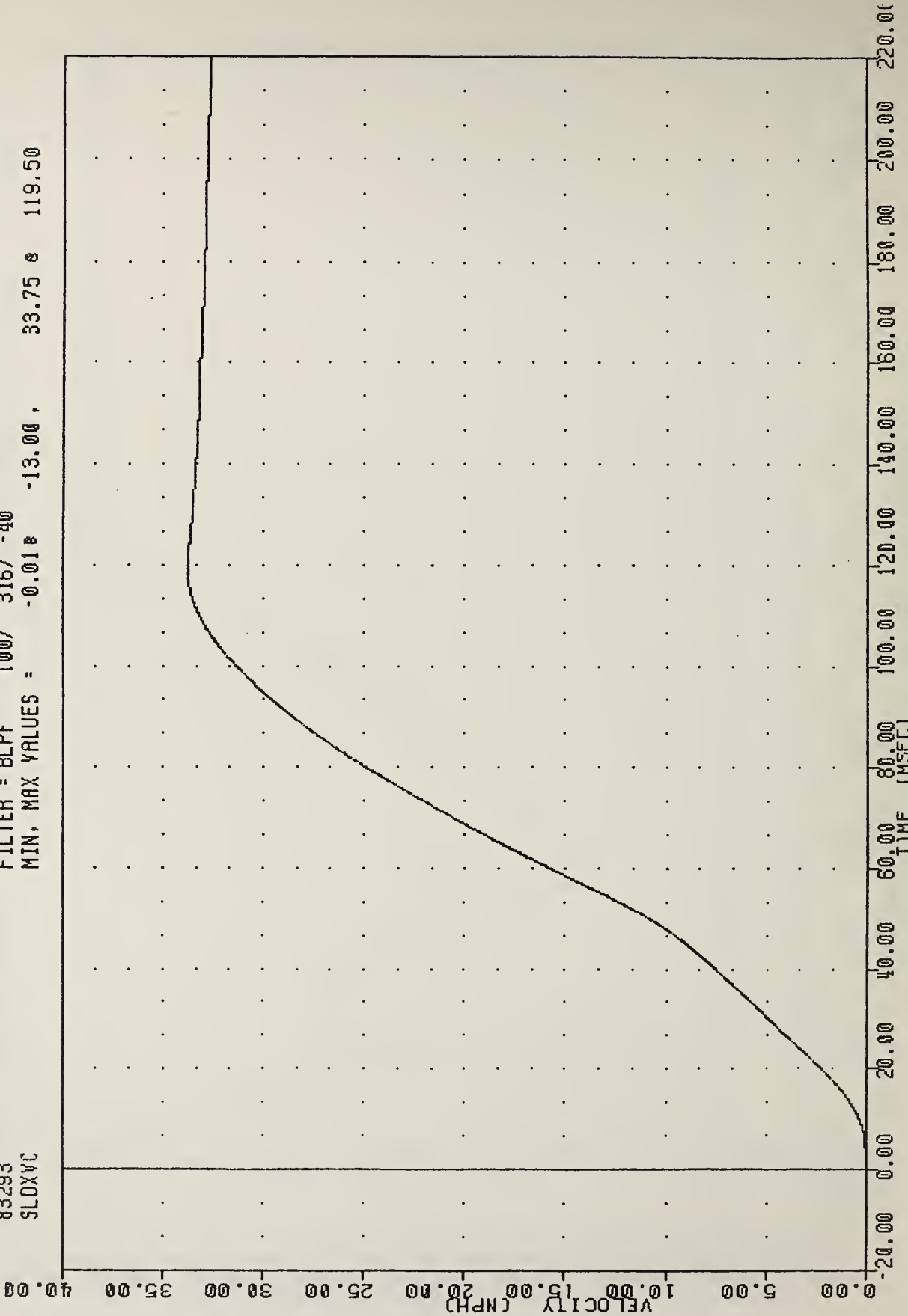


AIRBAG DEMONSTRATION PROGRAM
SLED ACCELERATION

VRTC R0583-2-09
AIRBAG DEMONSTRATION PROGRAM
83293
SLOXVC

PLOT DATE 20-OCT-83 16:00:31

FILTER = BLPF 100/ 316/ -40
MIN. MAX VALUES = -0.018 -13.00, 33.75 8 119.50



AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM

83293

SLODY

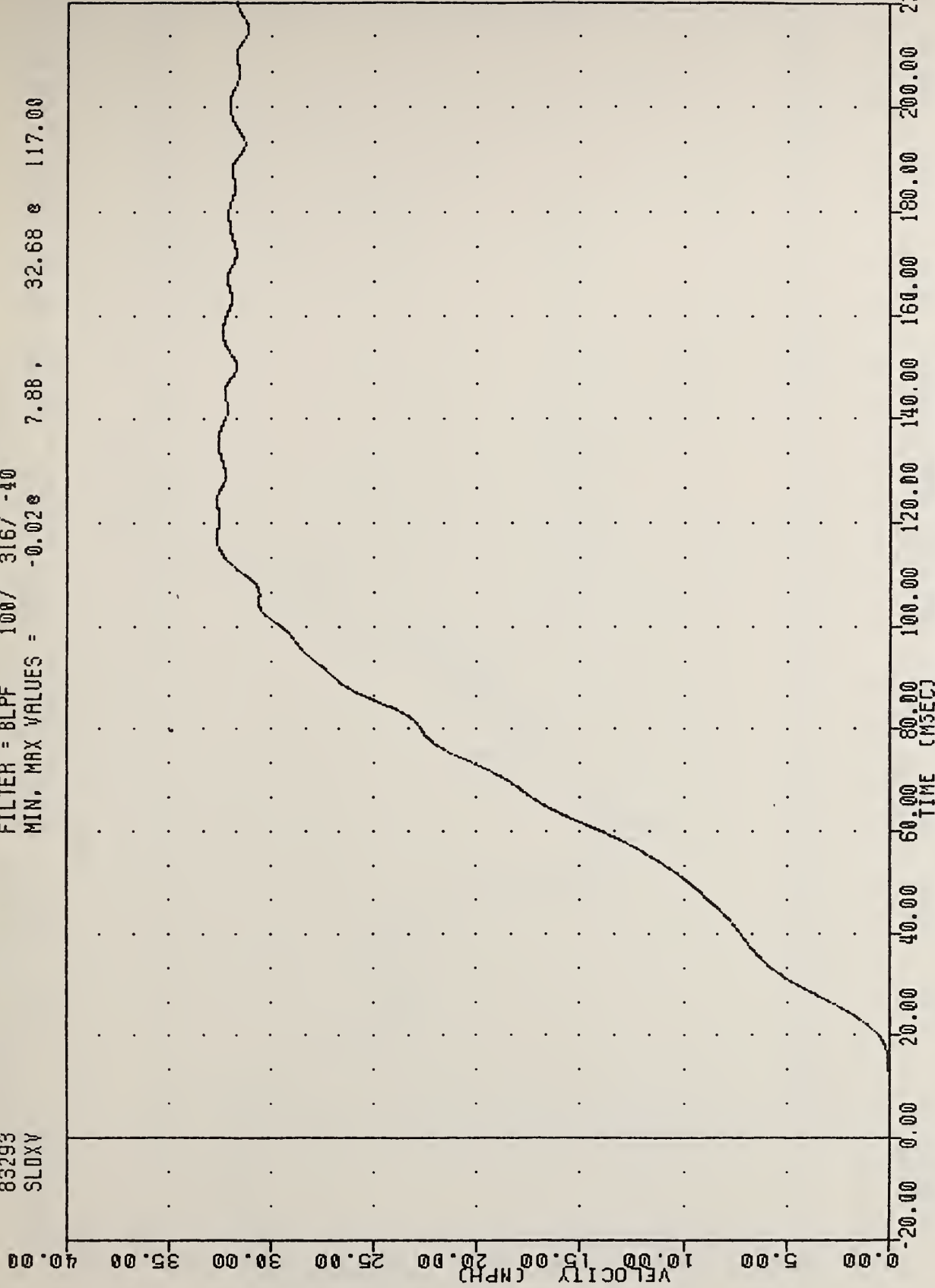
FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.02e

7.88,

32.68 e

117.00



AIRBAG DEMONSTRATION PROGRAM
SLED VELOCITY

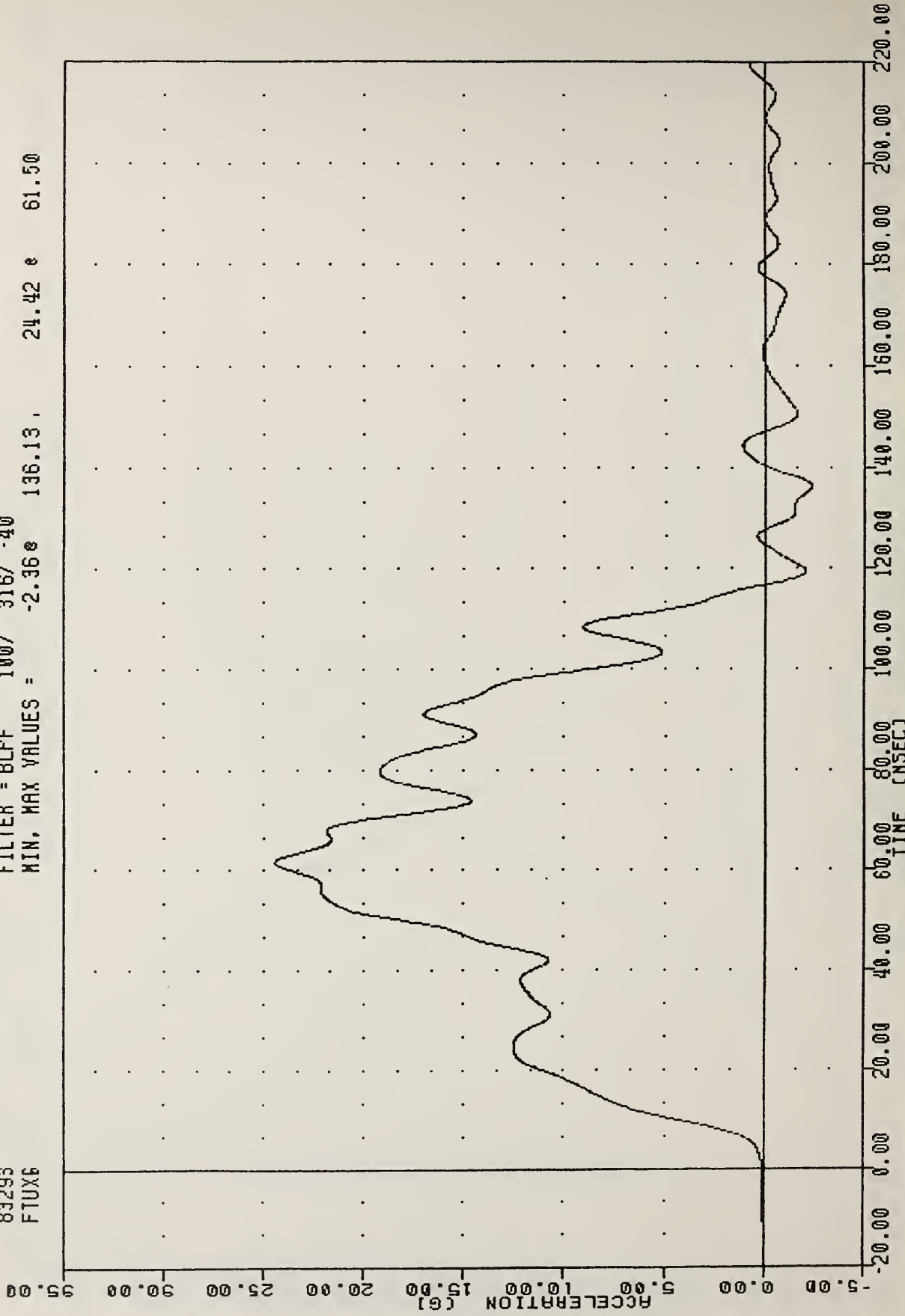
AIRBAG DEMONSTRATION PROGRAM

83295

FTUX6

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -2.36e 136.13 , 24.42 e 61.50

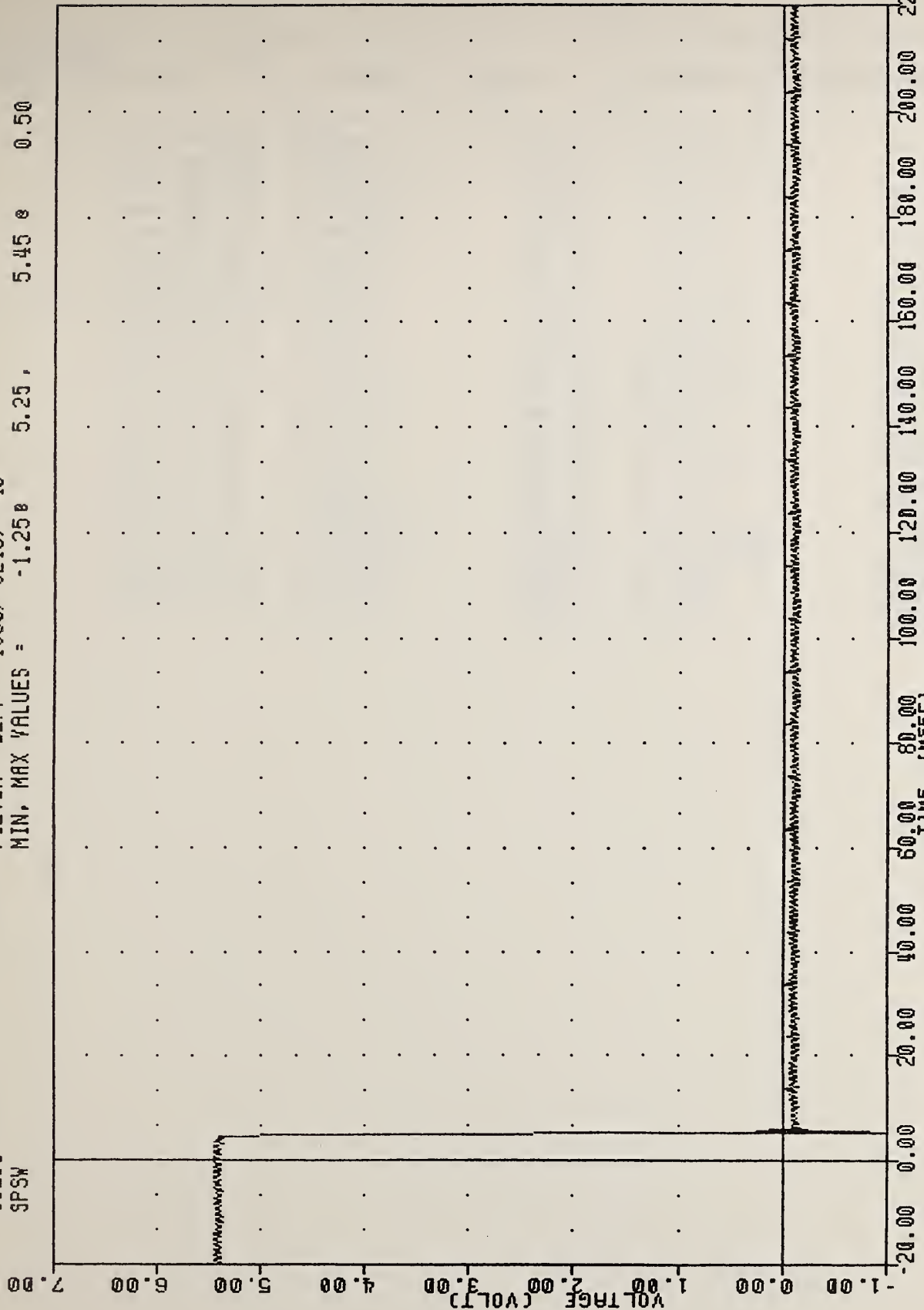


AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

VRTC RD583-2-09
 AIRBAG DEMONSTRATION PROGRAM
 83293
 SPSW

PLOT DATE 20-OCT-83 16:00:31

FILTER = BLPF 1650/ 5218/ -40
 MIN, MAX VALUES = -1.250 5.25, 5.45 0 0.50



AIRBAG DEMONSTRATION PROGRAM
 SLED POSITION SWITCH

DEMONSTRATION PROGRAM

0.0 mph

83294

VRTC

RD583-2-10

21-OCT-83 14:36:25

	Min value		Max value		Uni
SPSW	-0.971 @	4.750	5.463 @	-21.375 msec	volt
SLDXGC	-1.175 @	137.500	23.492 @	57.250 msec	g
SLDXVC	-0.006 @	-15.000	33.524 @	120.000 msec	mph
SLDXV	-0.021 @	-12.250	32.539 @	124.750 msec	mph
FTUXG	-3.591 @	153.000	25.149 @	64.250 msec	g
ABFT1	-0.748 @	26.125	4.311 @	18.750 msec	volt
HEDXG2	-56.271 @	103.125	71.109 @	158.625 msec	g
HEDXV2	-42.775 @	190.500	0.007 @	8.875 msec	mph
HEDYG2	-9.222 @	104.875	6.650 @	132.375 msec	g
HEDZG2	-35.165 @	117.375	9.553 @	85.125 msec	g
CSTXG2	-56.596 @	104.750	15.517 @	241.125 msec	g
CSTXV2	-41.972 @	146.125	0.008 @	17.500 msec	mph
CSTYG2	-1.806 @	241.500	3.461 @	98.375 msec	g
CSTZG2	-15.779 @	96.125	20.081 @	84.750 msec	g
PEVXG2	-69.281 @	85.375	6.120 @	64.750 msec	g
PEVYG2	-11.576 @	94.500	6.931 @	58.875 msec	g
PEVZG2	-3.631 @	59.000	23.680 @	93.750 msec	g
LFMF2	-1728.318 @	95.750	454.230 @	24.500 msec	lb
RFMF2	-2445.160 @	84.375	508.810 @	33.500 msec	lb
HEDRG2	0.012 @	-25.000	71.711 @	158.750 msec	g
CSTRG2	0.001 @	-11.625	56.718 @	104.625 msec	g
PEVRG2	0.004 @	-13.875	69.317 @	85.375 msec	g

```
HEUR62      VRTC      RD583-2-10  83294      AIRBAG DEMONSTRATION PROGRAM
  Using time range =  0.000 to 200.000 msec      Peak accel =  71.71 @ 158.75
HIC =  436.55      Interval from  94.750 [ 959] to 133.250 [1267]
HIC =  244.45      Interval from  95.375 [ 964] to 110.375 [1084]

Elapsed time =  15.84 sec

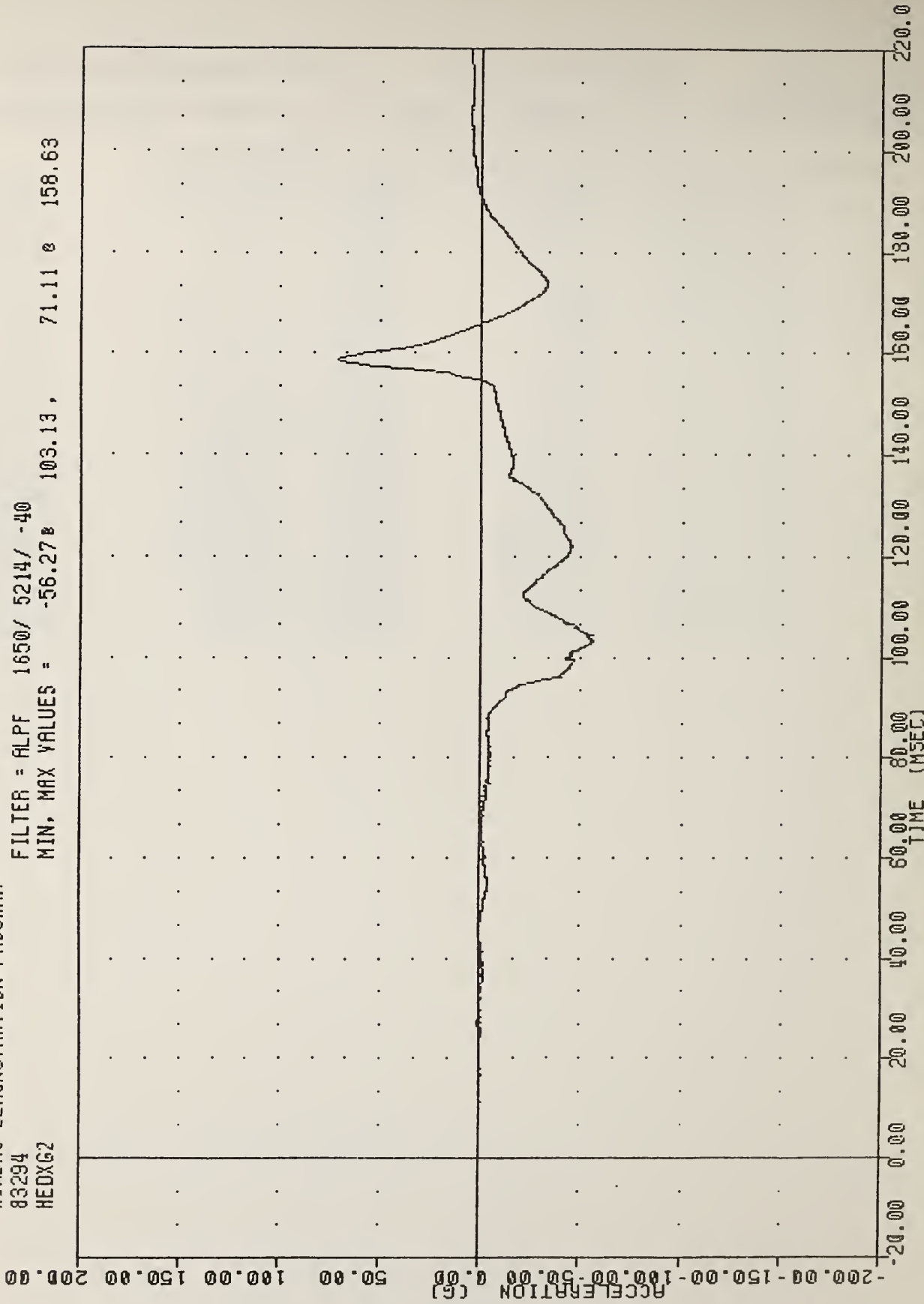
Enter channel [,stop time] -->EXIT
Enter input filespec -->EXIT
$
```

VRTC R0583-2-10
AIRBAG DEMONSTRATION PROGRAM
83294
HEDXG2

PLOT DATE 21-OCT-83 14:32:01

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -56.27g 103.13, 71.11 g 158.63

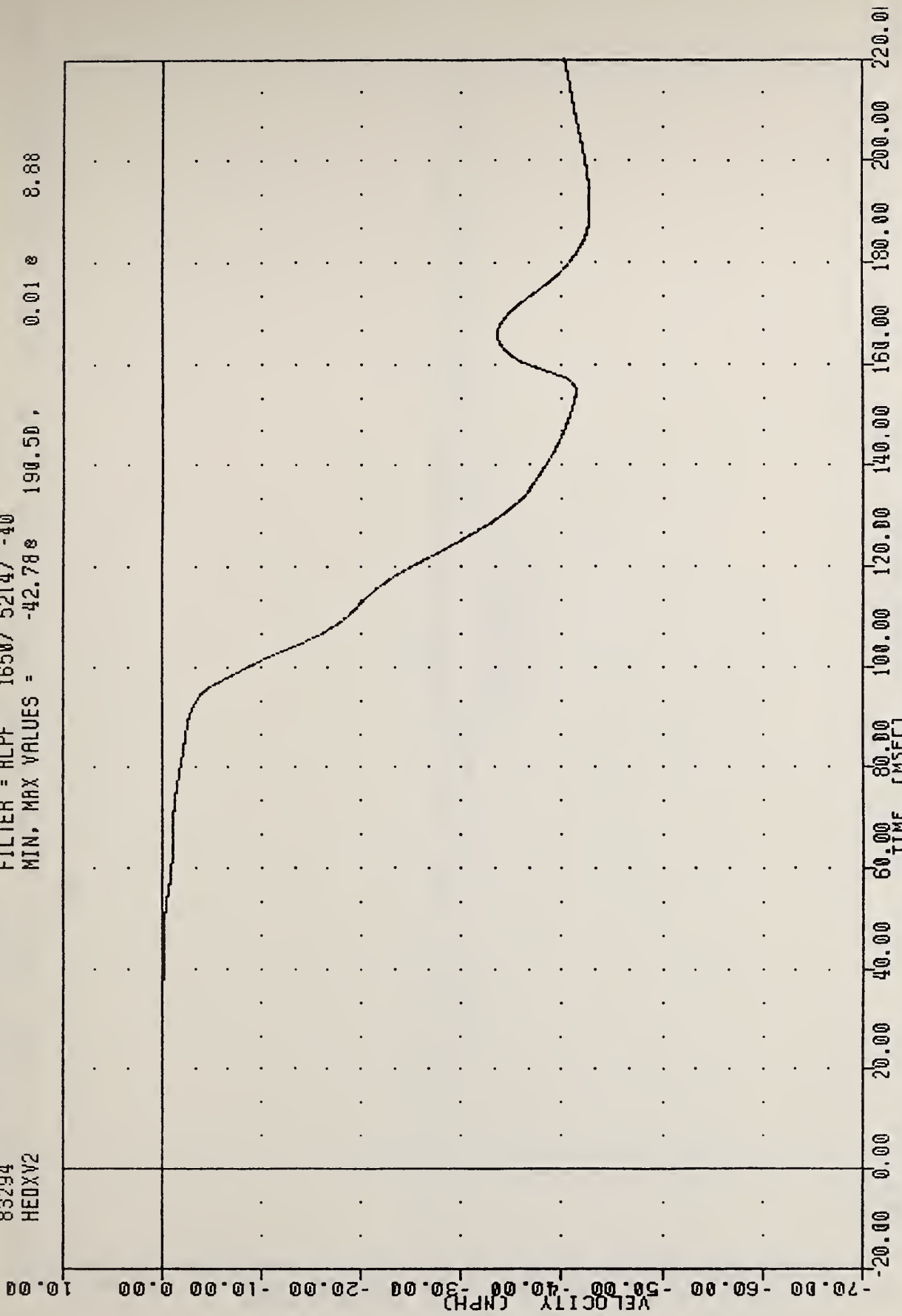


AIRBAG DEMONSTRATION PROGRAM
HFAD ACCELERATION X AXIS 95TH PERCENTILE

VRTC AD583-2-10
AIRBAG DEMONSTRATION PROGRAM
83294
HEADV2

PLOT DATE 21-OCT-83 14:32:01

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -42.788 190.50 , 0.01 e 8.88

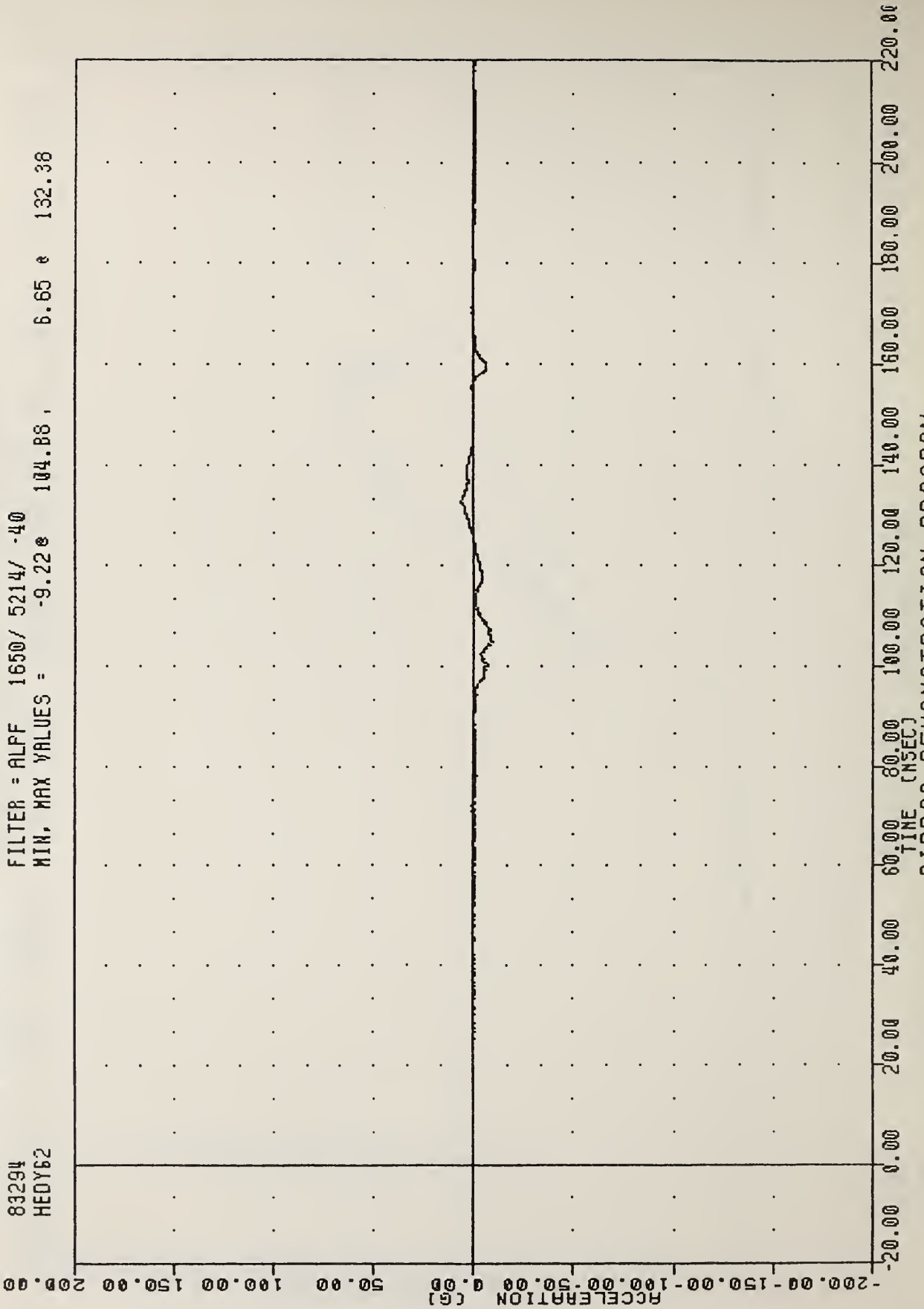


AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 95TH PERCENTILE

VATC RD583-2-10
AIRBAG DEMONSTRATION PROGRAM
83294
HEDY62

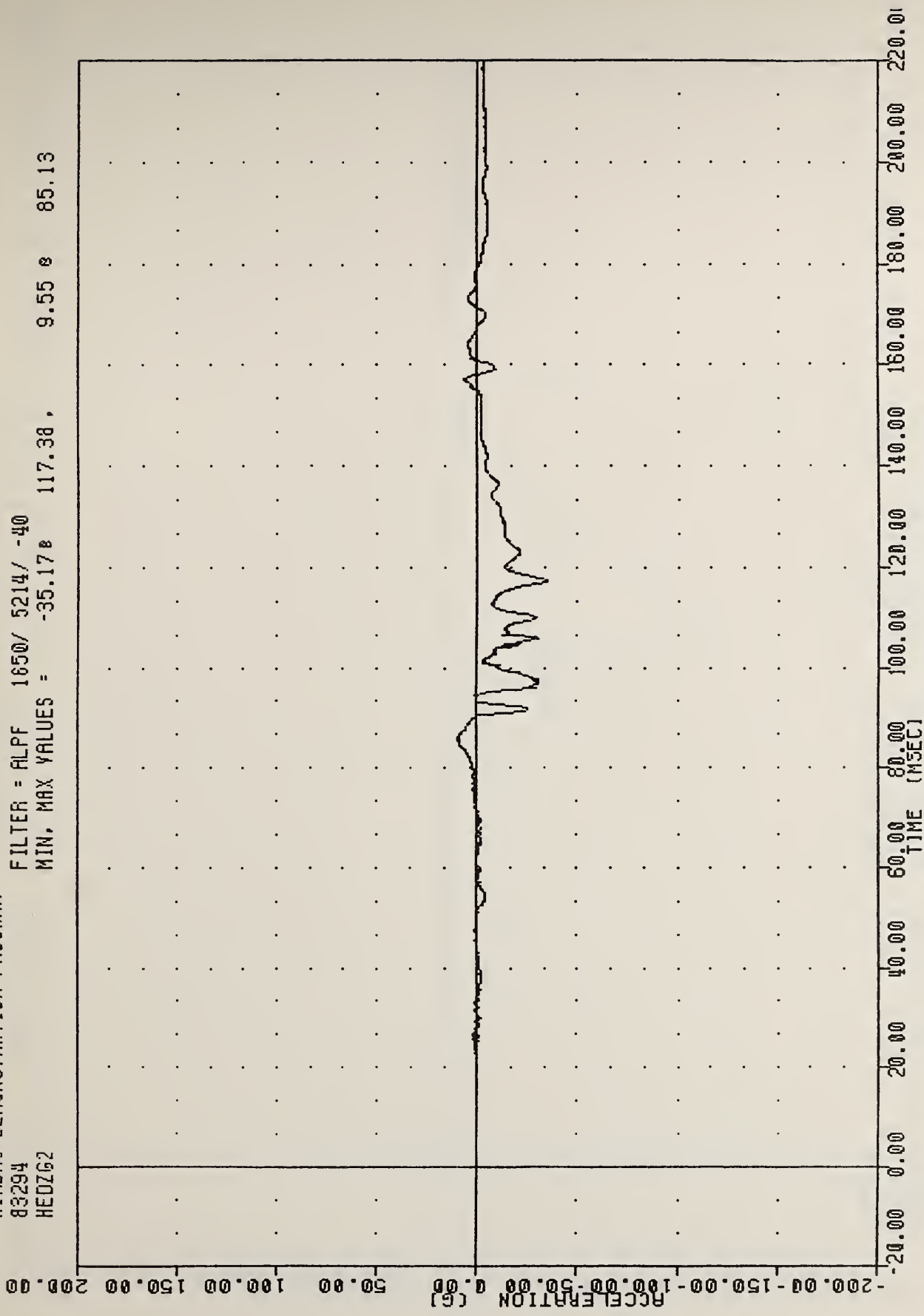
PLOT DATE 21-OCT-83 14:32:01

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -9.22e 104.88, 6.65 e 132.38



VRTC R0583-2-10
AIRBAG DEMONSTRATION PROGRAM
83294
HEU2G2

PLOT DATE 21-OCT-83 14:32:01
FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -35.17e 117.38, 9.55 e 85.13

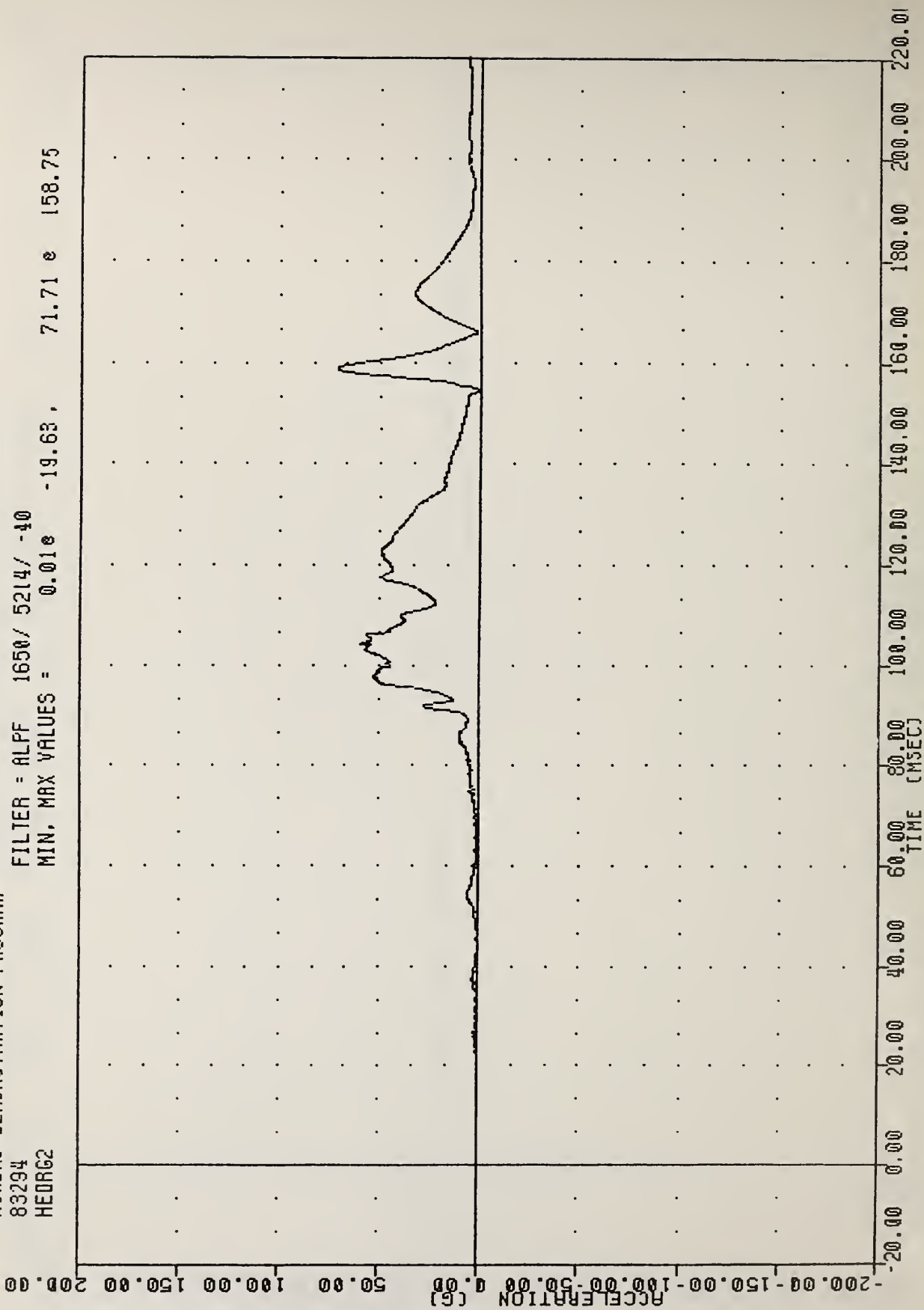


AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Z AXIS 95TH PERCENTILE

VRTC R0583-2-10
AIRBAG DEMONSTRATION PROGRAM
83294
HEADG2

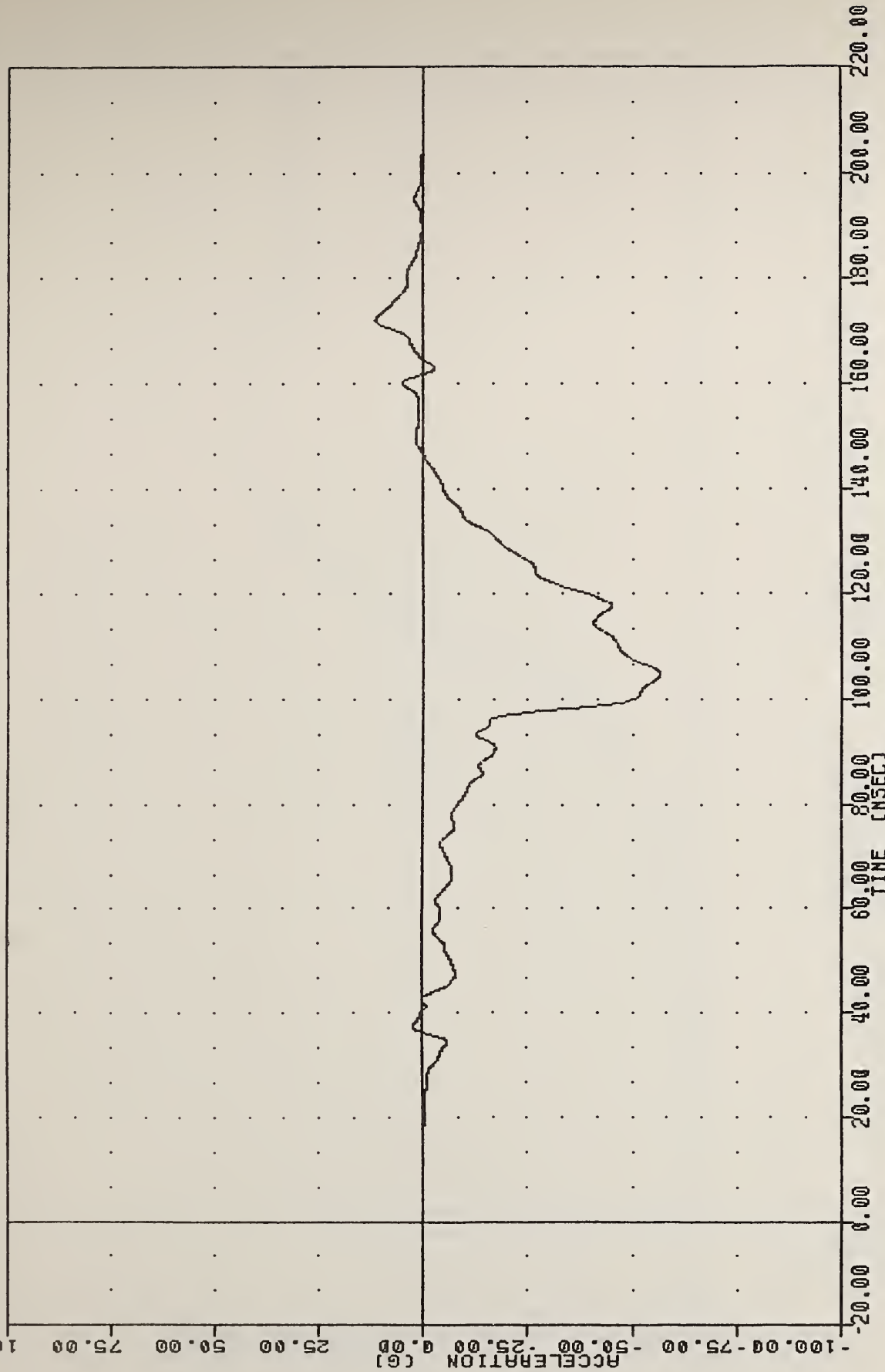
PLOT DATE 21-OCT-83 14:32:01

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = 0.01e -19.63, 71.71 e 158.75



AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 95TH PERCENTILE

VATIC RD583-2-10 PLOT DATE 21-OCT-83 14:32:01
 AIRBAG DEMONSTRATION PROGRAM
 83294 FILTER = BLPF 300/ 949/ -40
 CSTX62 MIN, MAX VALUES = -56.60g 104.75, 11.55 g 171.88



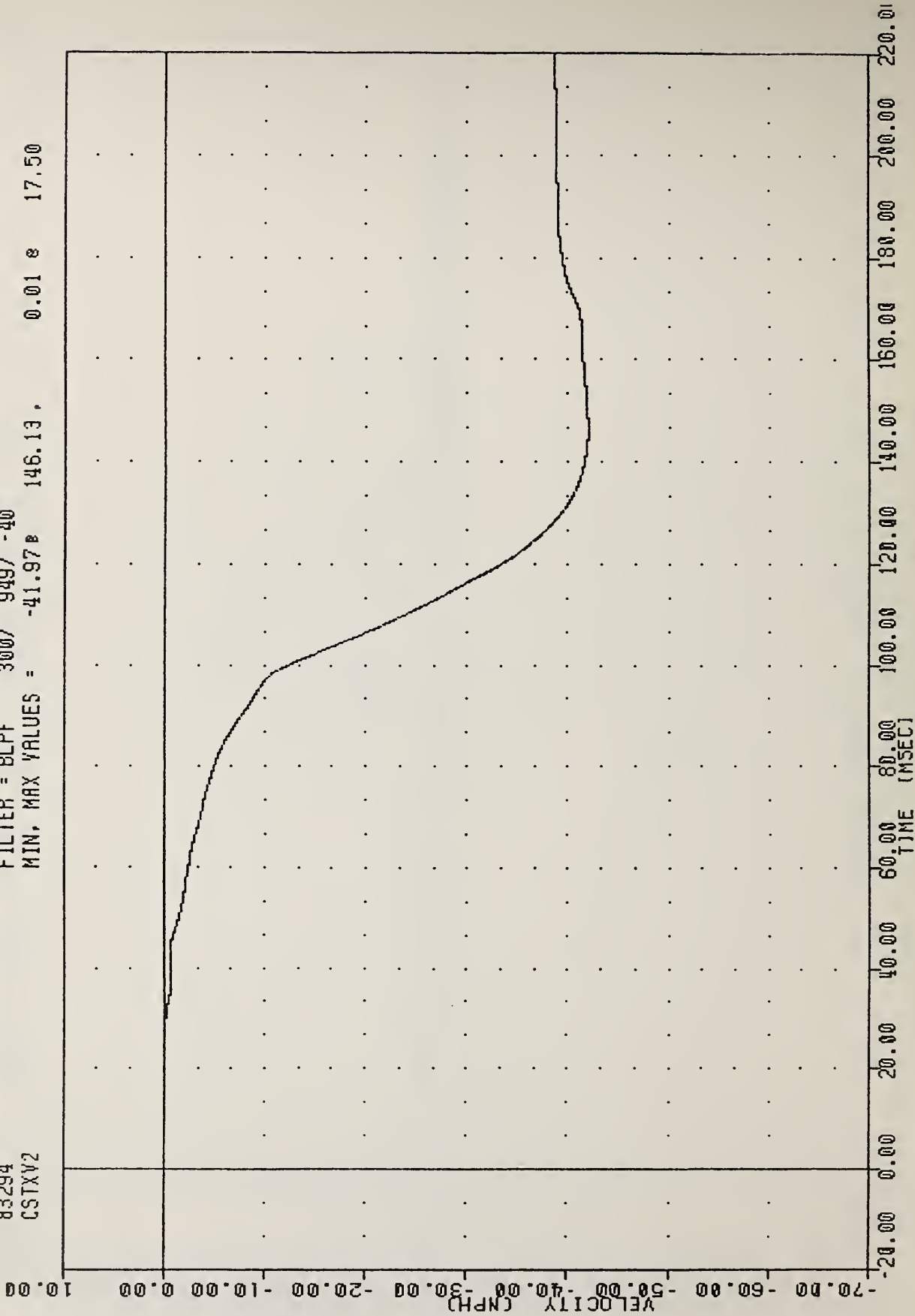
AIRBAG DEMONSTRATION PROGRAM
 CHEST ACCELERATION X AXIS 95TH PERCENTILE

VRTC R0583-2-10
AIRBAG DEMONSTRATION PROGRAM
83294
CSTXV2

PLOT DATE 21-OCT-83 14:32:01

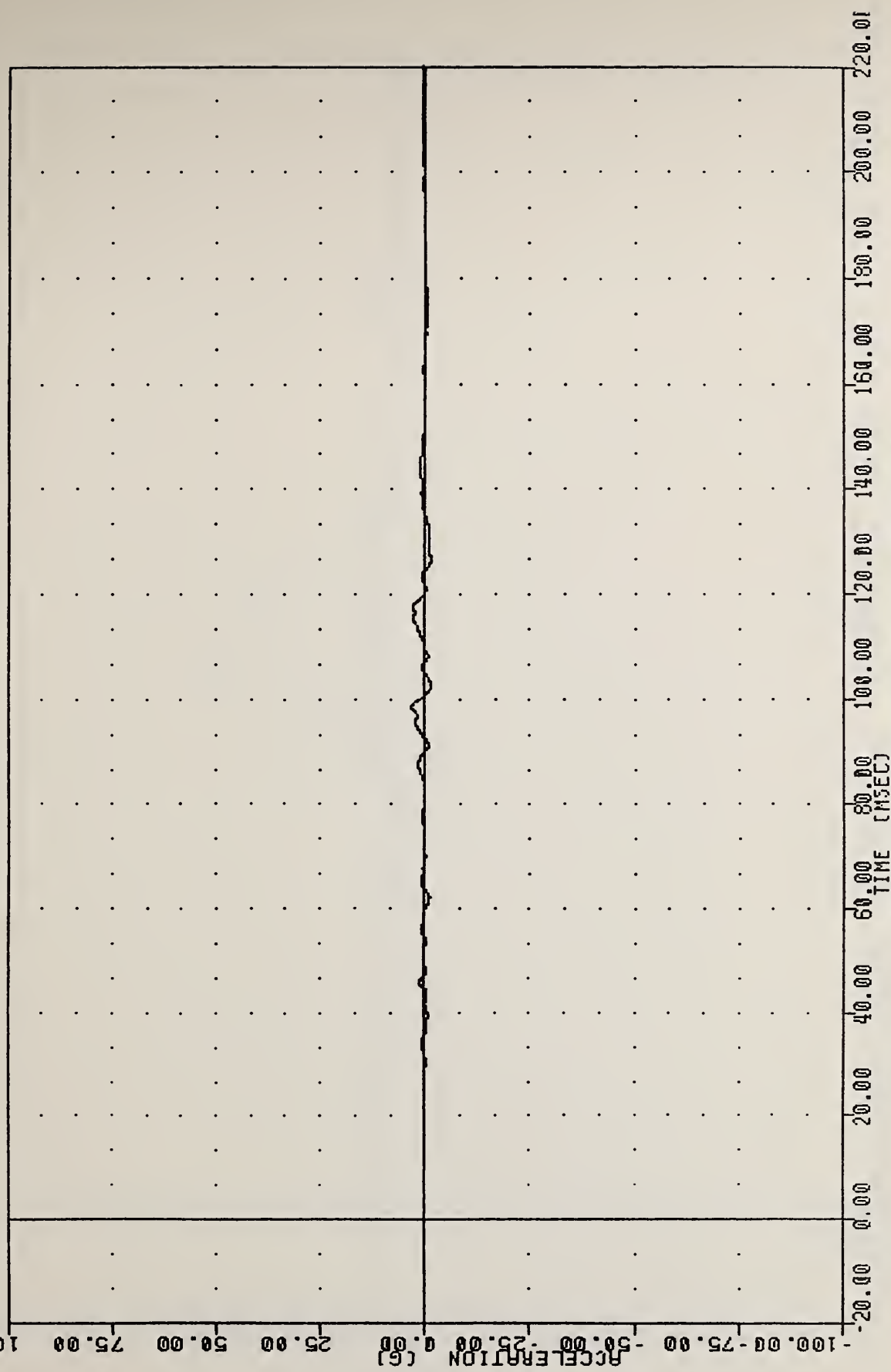
FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -41.97 146.13, 0.01 8 17.50



AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 95TH PERCENTILE

VRTC R0583-2-10 PLOT DATE 21-OCT-63 14:32:01
 AIRBAG DEMONSTRATION PROGRAM
 83294 FILTER = BLPF 300/ 949/ -40
 CSTY62 MIN. MAX VALUES = -1.55e 102.38, 3.46 e 98.38



AIRBAG DEMONSTRATION PROGRAM
 CHEST ACCELERATION Y AXIS 95TH PERCENTILE

VATIC RD563-2-10 PLOT DATE 21-OCT-83 14:32:01

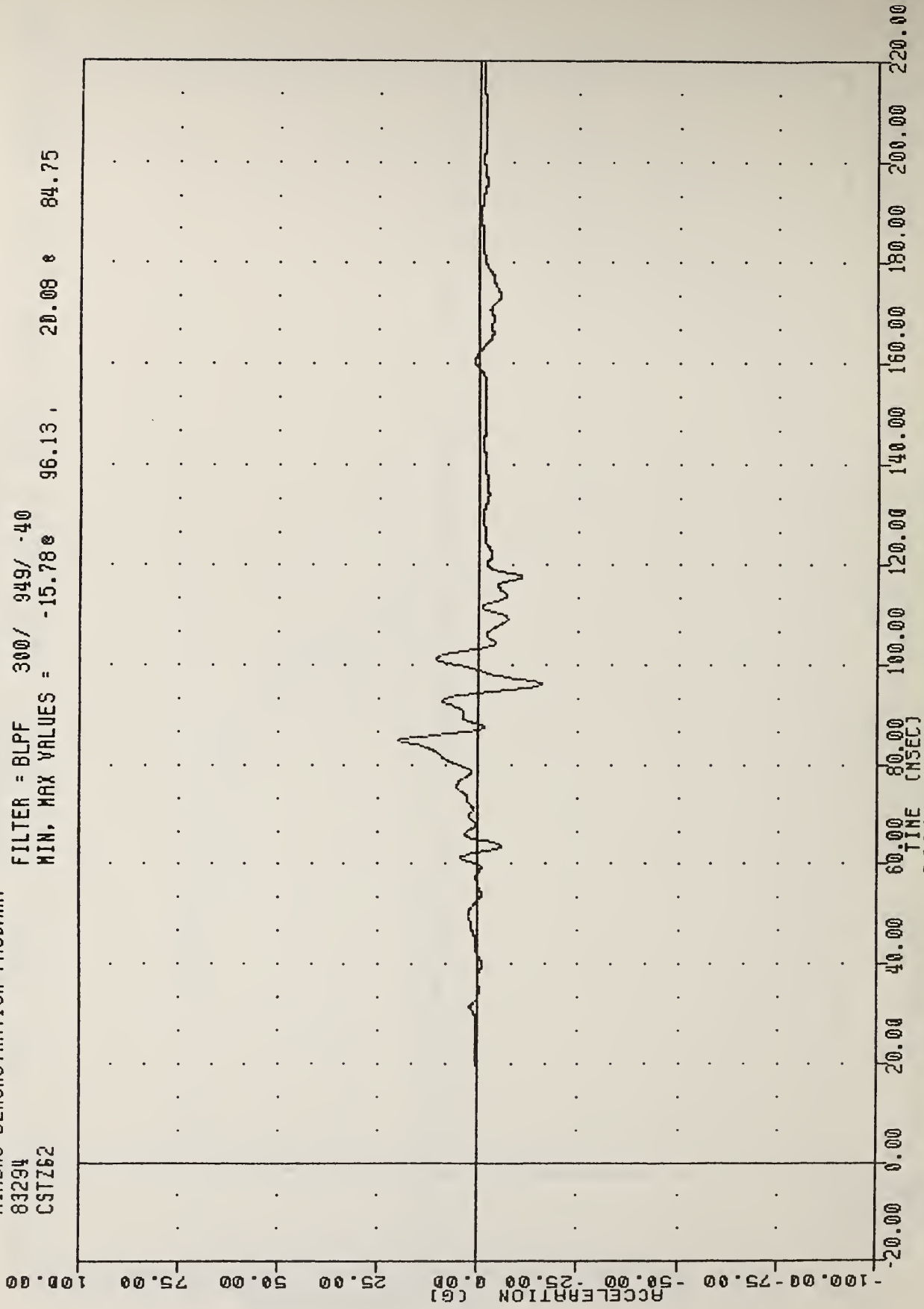
AIRBAG DEMONSTRATION PROGRAM

83294

FILTER = BLPF 300/ 949/ -40

CSTZ62

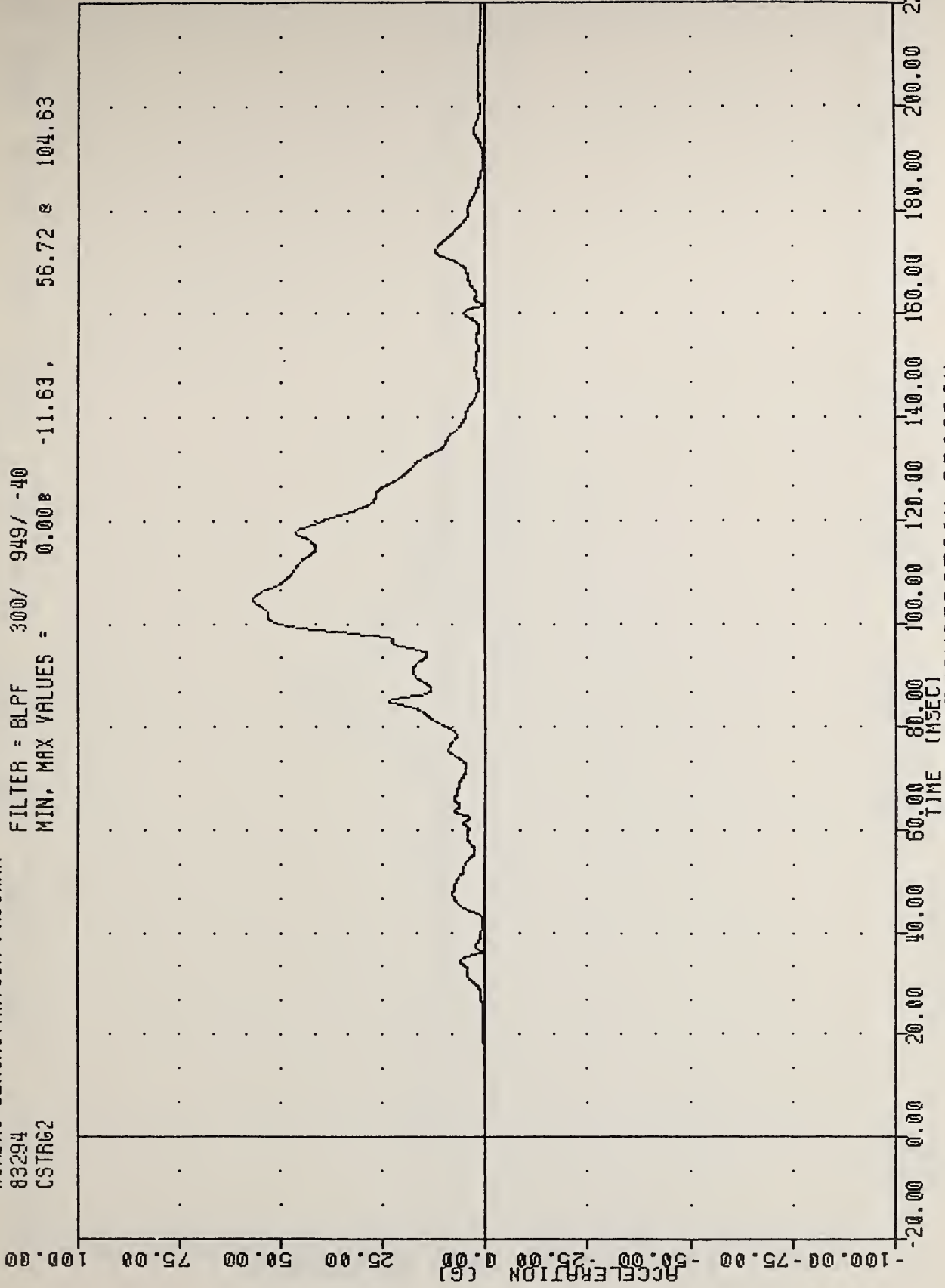
MIN, MAX VALUES = -15.78e 96.13, 20.09 e 84.75



AIRBAG DEMONSTRATION PROGRAM

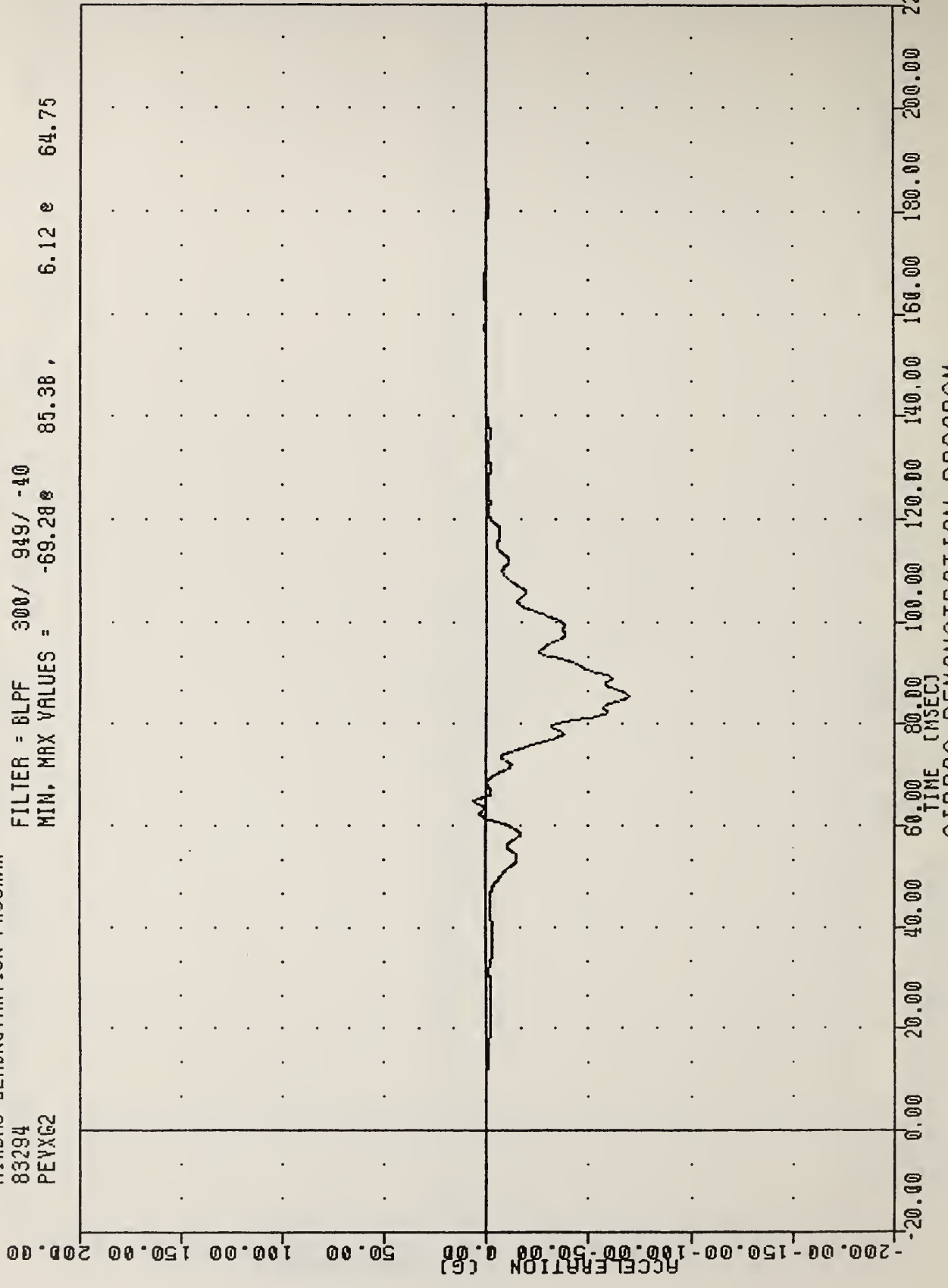
CHEST ACCELERATION 7 AXIS 95TH PERCENTILE

YRTC R0583-2-10 PLOT DATE 21-OCT-83 14:32:01
 AIRBAG DEMONSTRATION PROGRAM
 83284 FILTER = BLPF 300/ 949/ -40
 CSTR62 MIN, MAX VALUES = 0.00B -11.63, 56.72 & 104.63



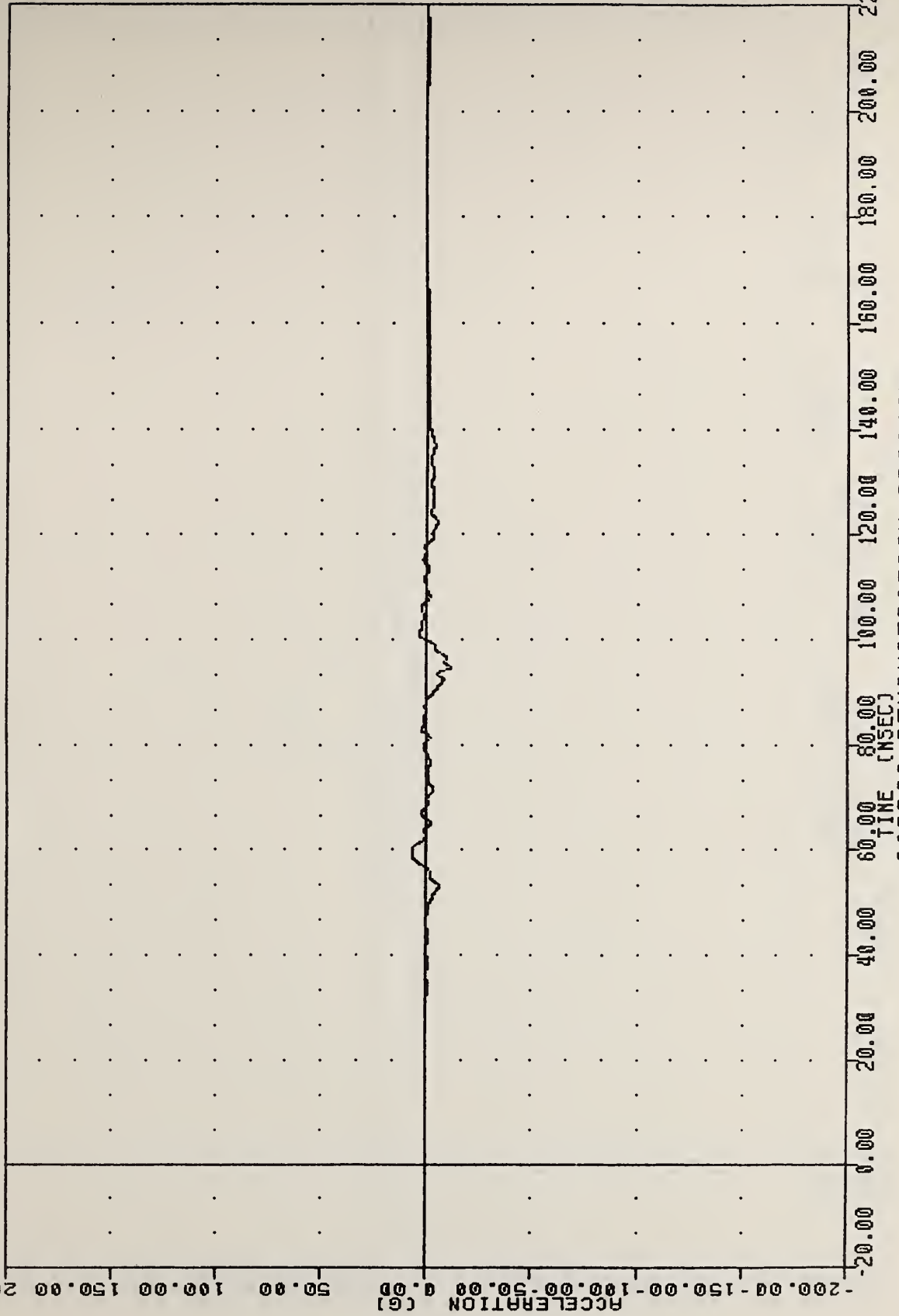
AIRBAG DEMONSTRATION PROGRAM
 CHEST RESPIRATORY ACCELERATION 95TH PERCENTILE

VRTC RD583-2-10 PLOT DATE 21-OCT-83 14:32:01
 AIRBAG DEMONSTRATION PROGRAM
 83294 FILTER = 6LPF 300/ 949/ -40
 PEYXG2 MIN. MAX VALUES = -69.28 85.38, 6.12 e 64.75



AIRBAG DEMONSTRATION PROGRAM
 PELVIS ACCELERATION X AXIS 95TH PERCENTILE

VRTC RD583-2-10 PLOT DATE 21-OCT-83 14:32:01
 AIRBAG DEMONSTRATION PROGRAM
 83294 FILTER = BLPF 300/ 949/ -40
 PEVY62 MIN, MAX VALUES = -11.58 e 94.50 , 6.93 e 58.88



AIRBAG DEMONSTRATION PROGRAM
 PELVIS ACCELERATION Y AXIS 95TH PERCENTILE

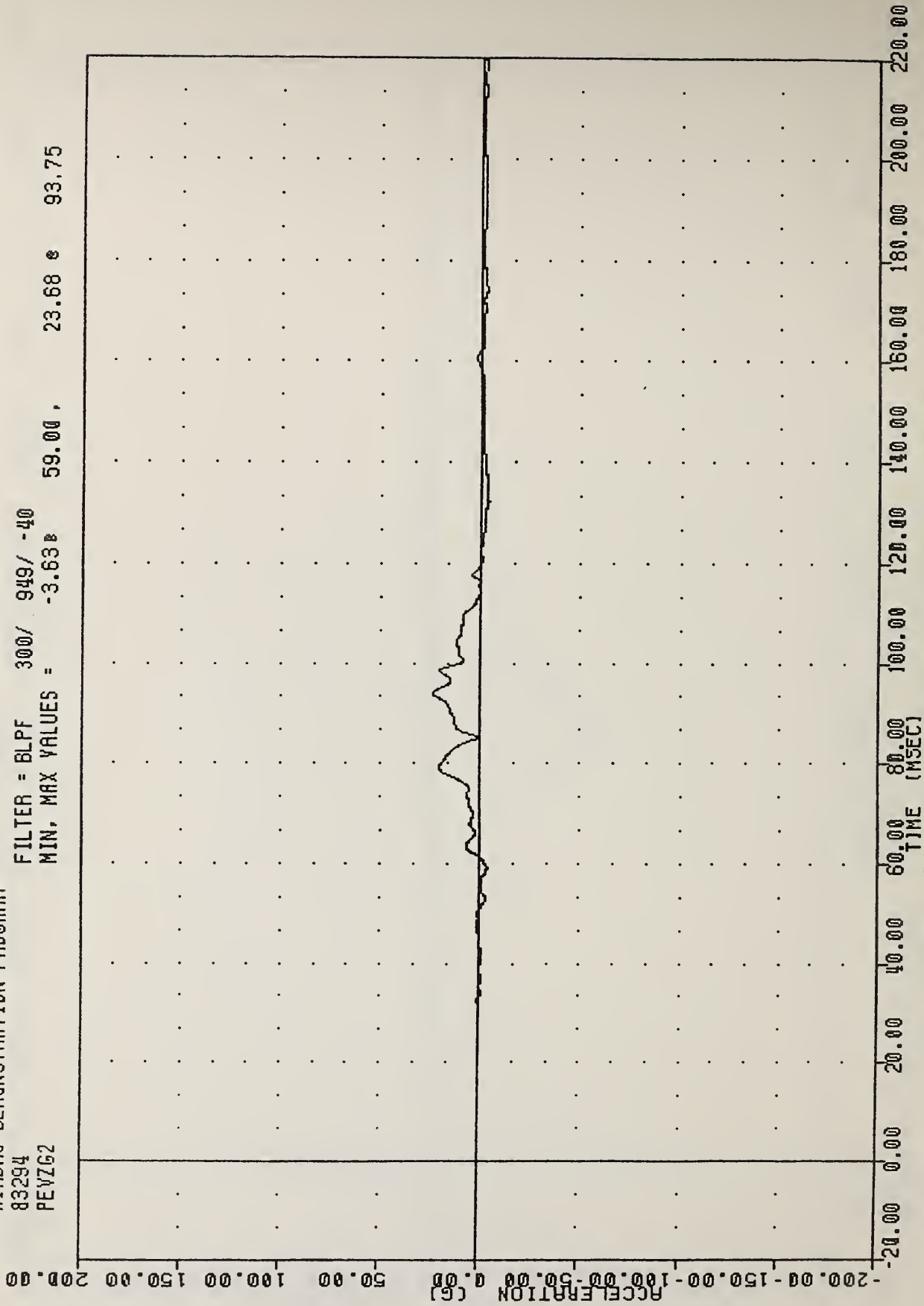
AIRBAG DEMONSTRATION PROGRAM

83294

PEVZG2

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.63E 59.00, 23.68 E 93.75



AIRBAG DEMONSTRATION PROGRAM

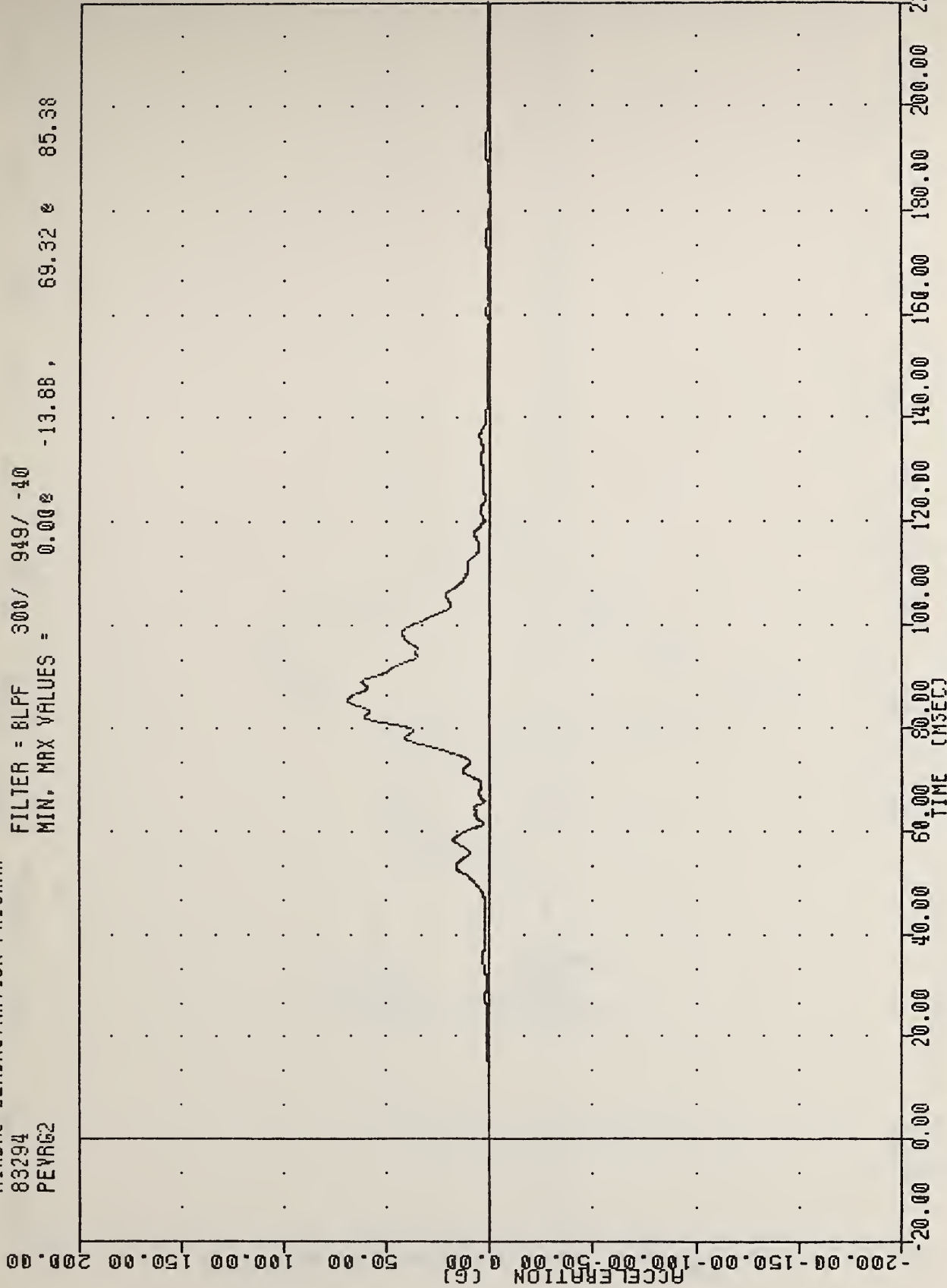
PELVIS ACCELERATION Z AXIS 95TH PERCENTILE

VRTC RD583-2-10
AIRBAG DEMONSTRATION PROGRAM
83294
PEY62

PLOT DATE 21-OCT-83 14:32:01

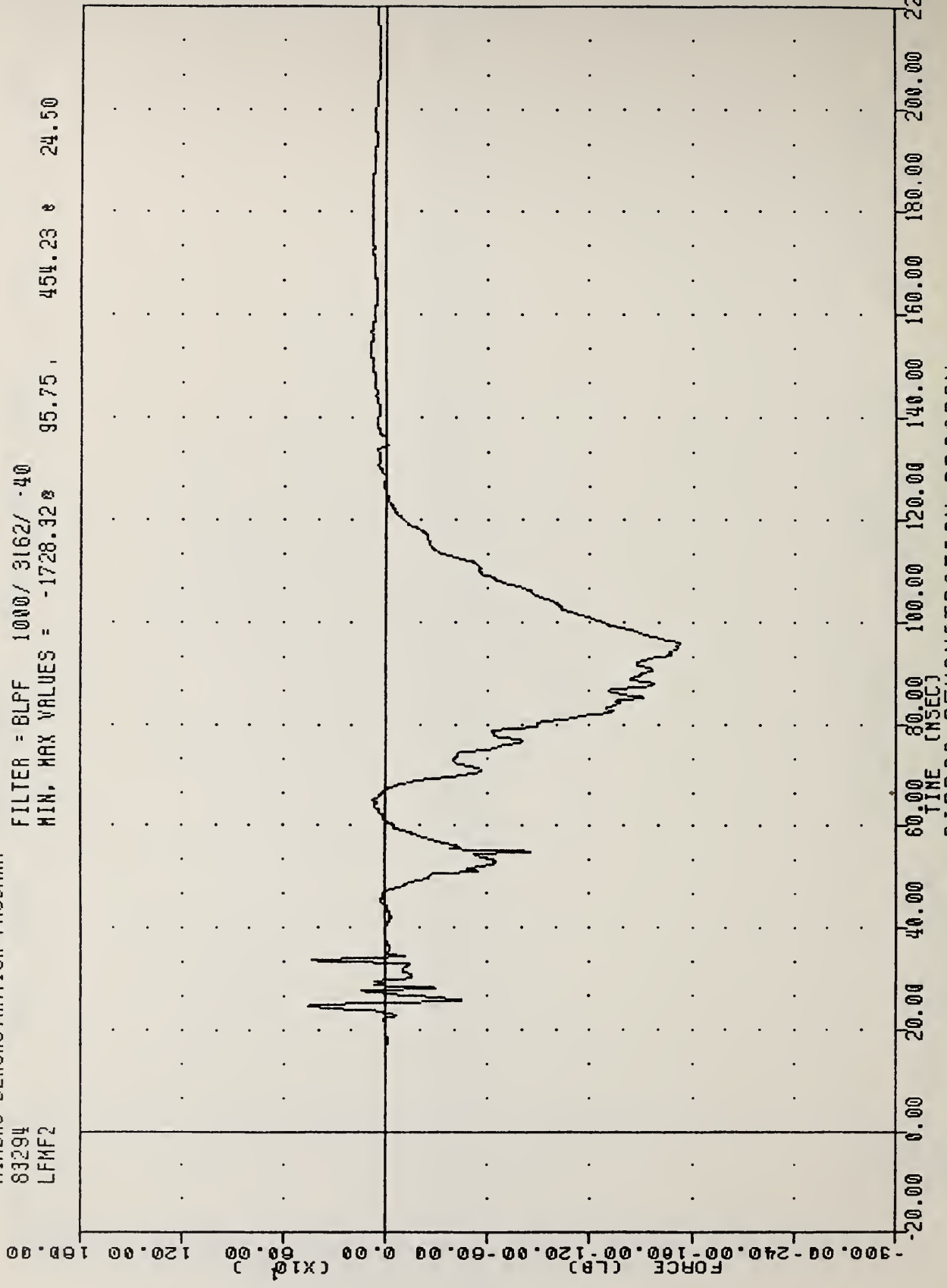
FILTER = 8LFF 300/ 949/ -40

MIN. MAX VALUES = 0.00e -13.88, 69.32 e 85.38



AIRBAG DEMONSTRATION PROGRAM
PELVIS RESULTANT ACCELERATION 95TH PERCENTILE

VRTC RD563-2-10 PLOT DATE 21-OCT-83 14:32:01
 AIRBAG DEMONSTRATION PROGRAM
 63294 FILTER = 6LPF 1000/ 3162/ -40
 LFMF2 MIN, MAX VALUES = -1728.328 95.75, 454.23 * 24.50



AIRBAG DEMONSTRATION PROGRAM
 IFFT FFMIR FORCE IN IRS 95TH PERCENTILE

NRTC R0583-2-10 PLOT DATE 21-OCT-83 14:32:01

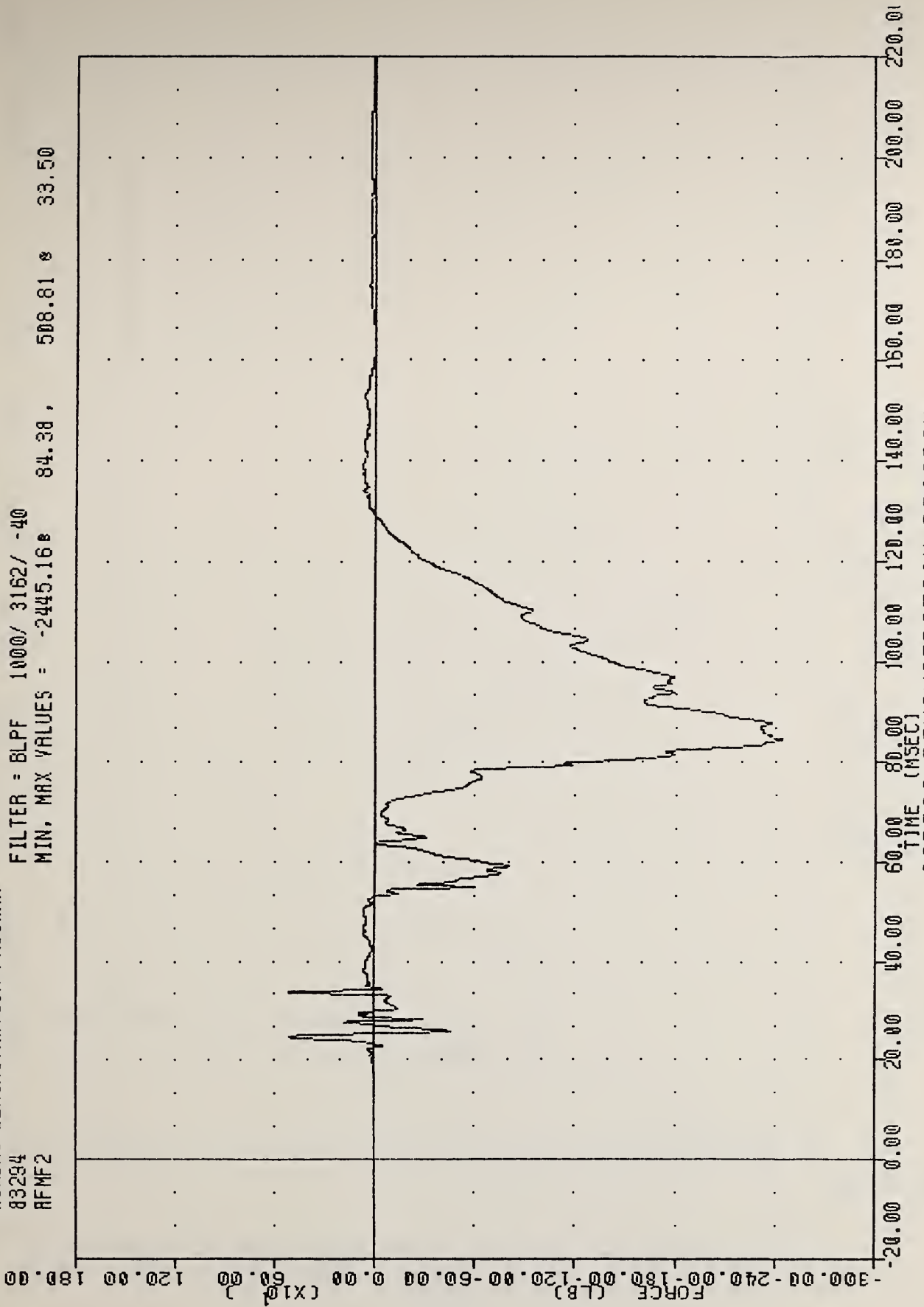
AIRBAG DEMONSTRATION PROGRAM

83284

RFMF2

FILTER = 8LPF 1000/ 3162/ -40

MIN, MAX VALUES = -2445.16 84.38 , 508.81 8 33.50

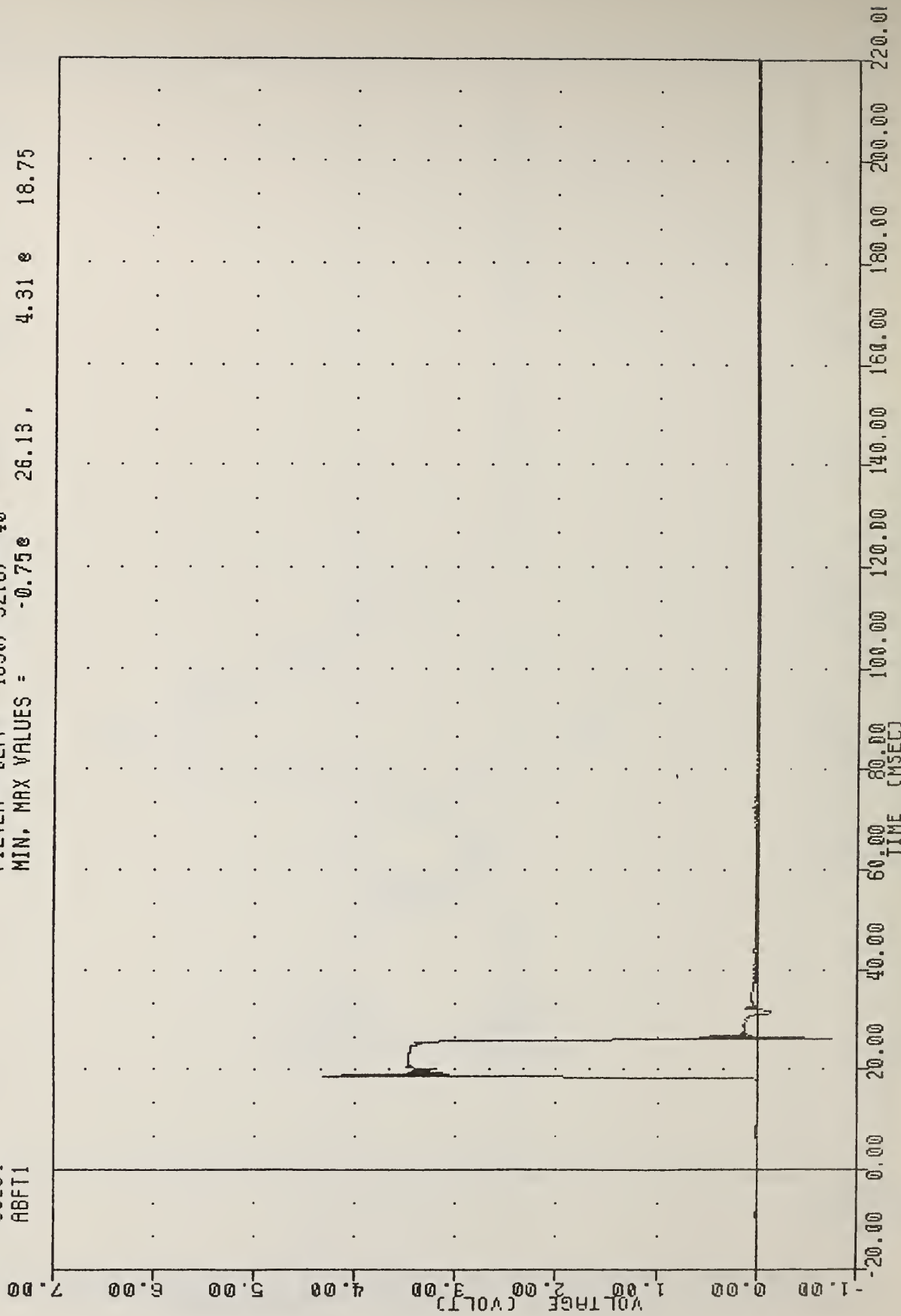


AIRBAG DEMONSTRATION PROGRAM
RIGHT FEMUR FORCE IN LBS 95TH PERCENTILE

VRTC RD583-2-10
AIRBAG DEMONSTRATION PROGRAM
83294
ABFT1

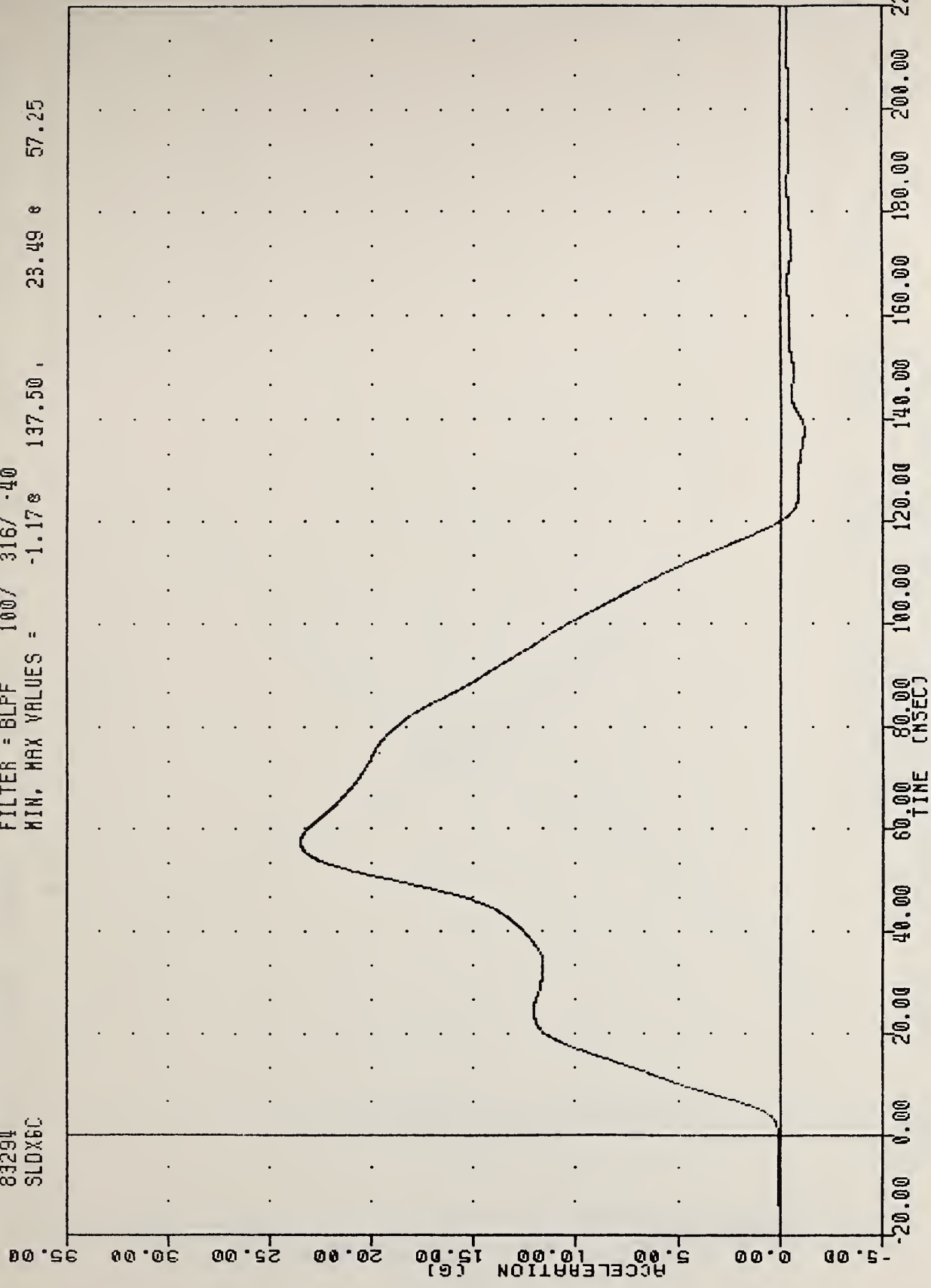
PLOT DATE 21-OCT-83 14:32:01

FILTER = 8LPF 1650/ 5218/ -40
MIN, MAX VALUES = -0.75e 26.13, 4.31 e 18.75



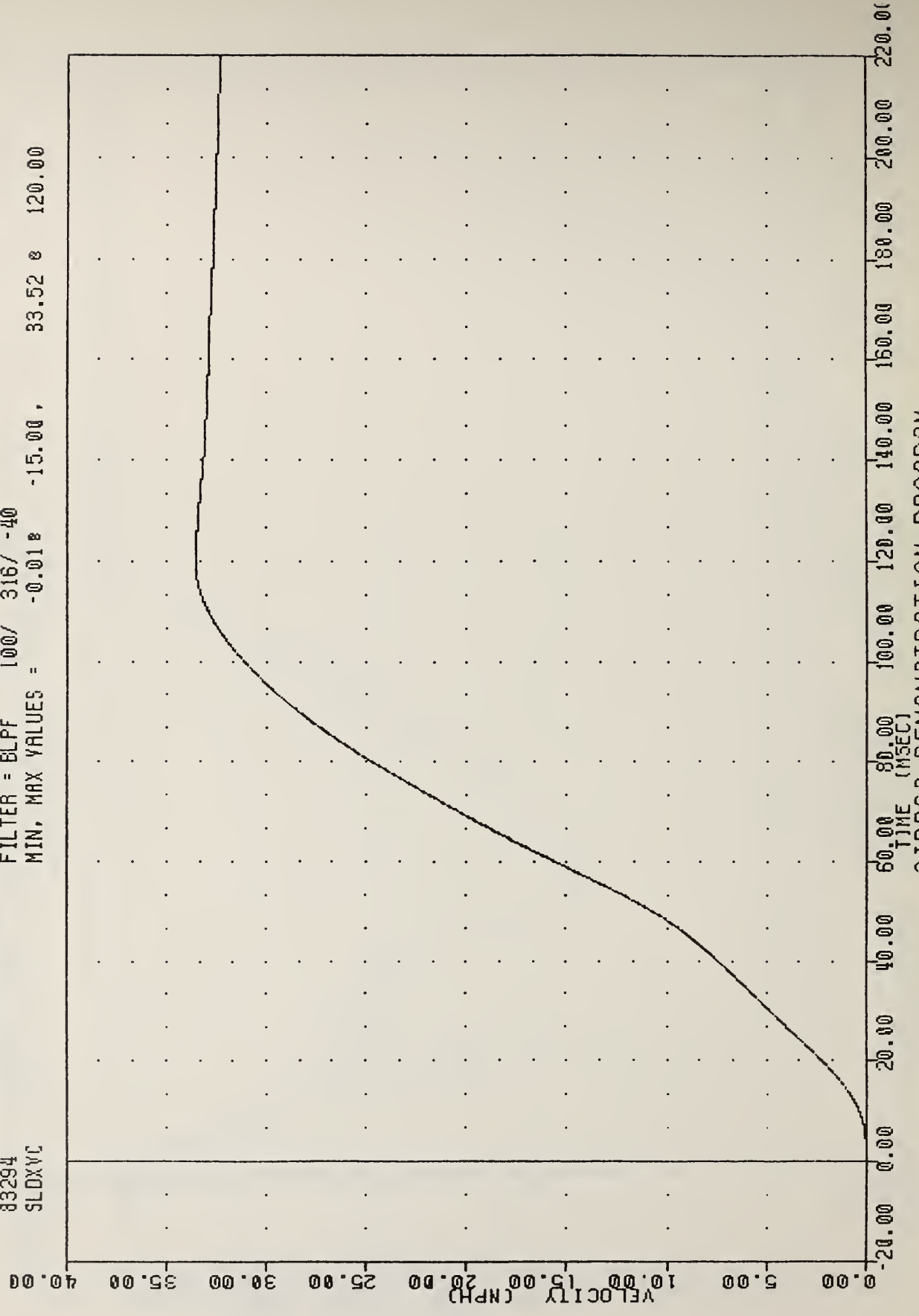
AIRBAG DEMONSTRATION PROGRAM
AIR BAG FIRING EVENT 95TH PERCENTILE

VRTC R0583-2-10 PLOT DATE 21-OCT-83 14:32:01
 AIRBAG DEMONSTRATION PROGRAM
 83294 FILTER = BLPF 100/ 316/ -40
 SLDX6C MIN, MAX VALUES = -1.17g 137.50, 23.49g 57.25



AIRBAG DEMONSTRATION PROGRAM
 SLED ACCELERATION

VRTC R0583-2-10 PLOT DATE 21-OCT-83 14:32:01
AIRBAG DEMONSTRATION PROGRAM
83294 FILTER = BLPF 100/ 316/ -40
SLDXVC MIN, MAX VALUES = -0.01 33.52 120.00



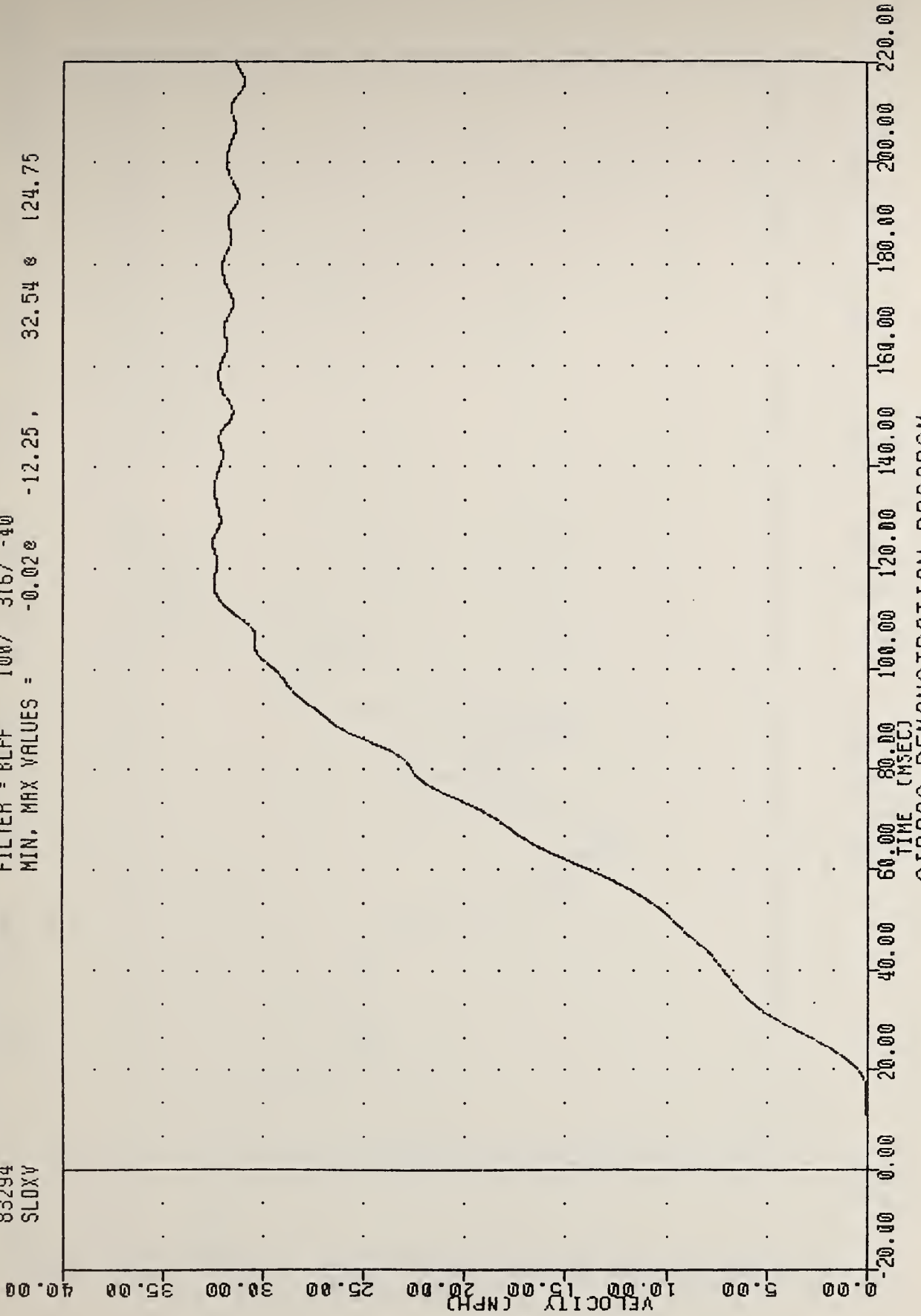
AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

VRTC RD583-2-10
AIRBAG DEMONSTRATION PROGRAM
83294
SLOXV

PLOT DATE 21-OCT-83 14:32:01

FILTER = BLFF 100/ 316/ -40

MIN, MAX VALUES = -0.02e -12.25, 32.54 e 124.75



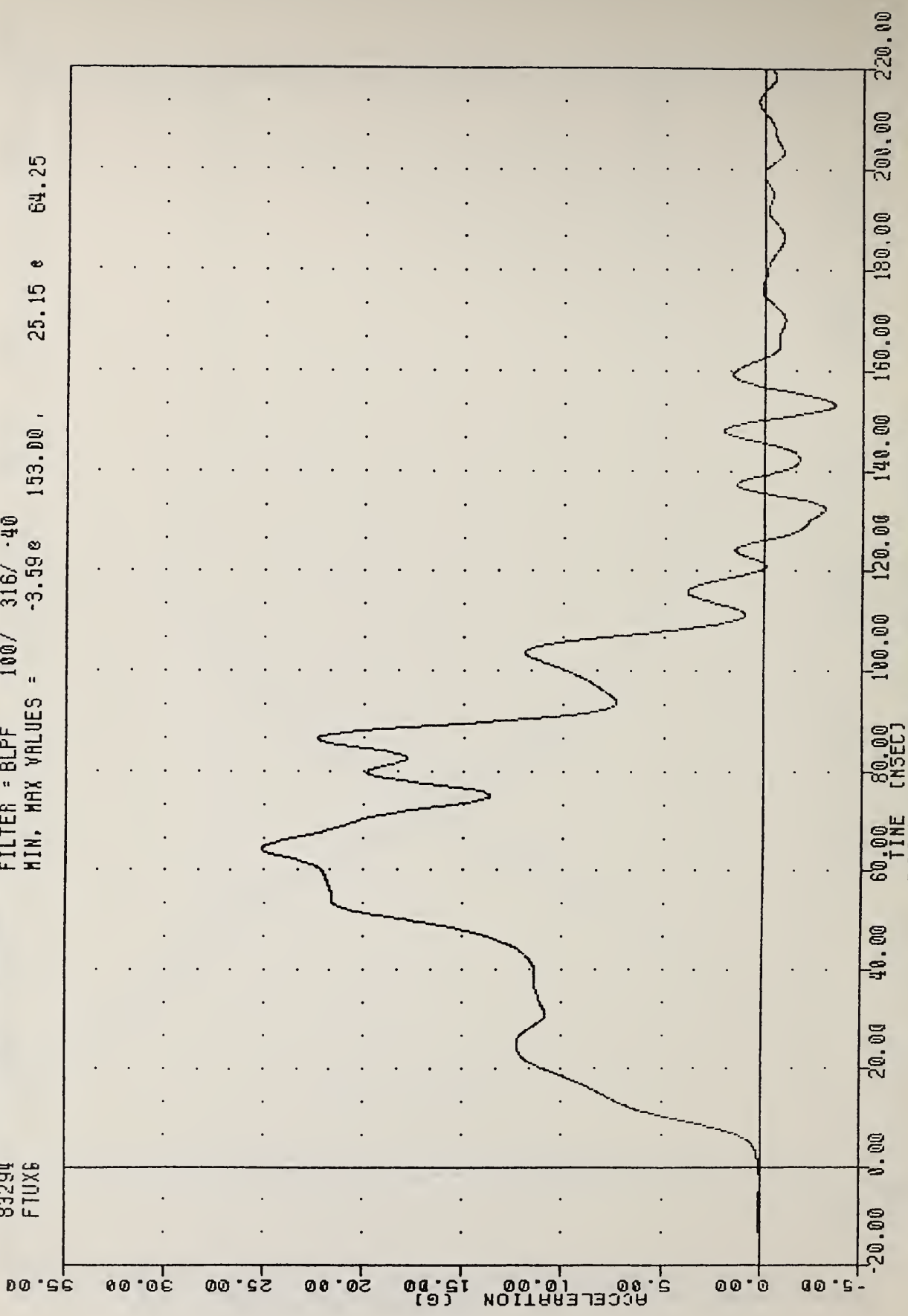
AIRBAG DEMONSTRATION PROGRAM
SLOXV VELOCITY

AIRBAG DEMONSTRATION PROGRAM

83294
FTUX6

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -3.59e 153.00 , 25.15 e 64.25

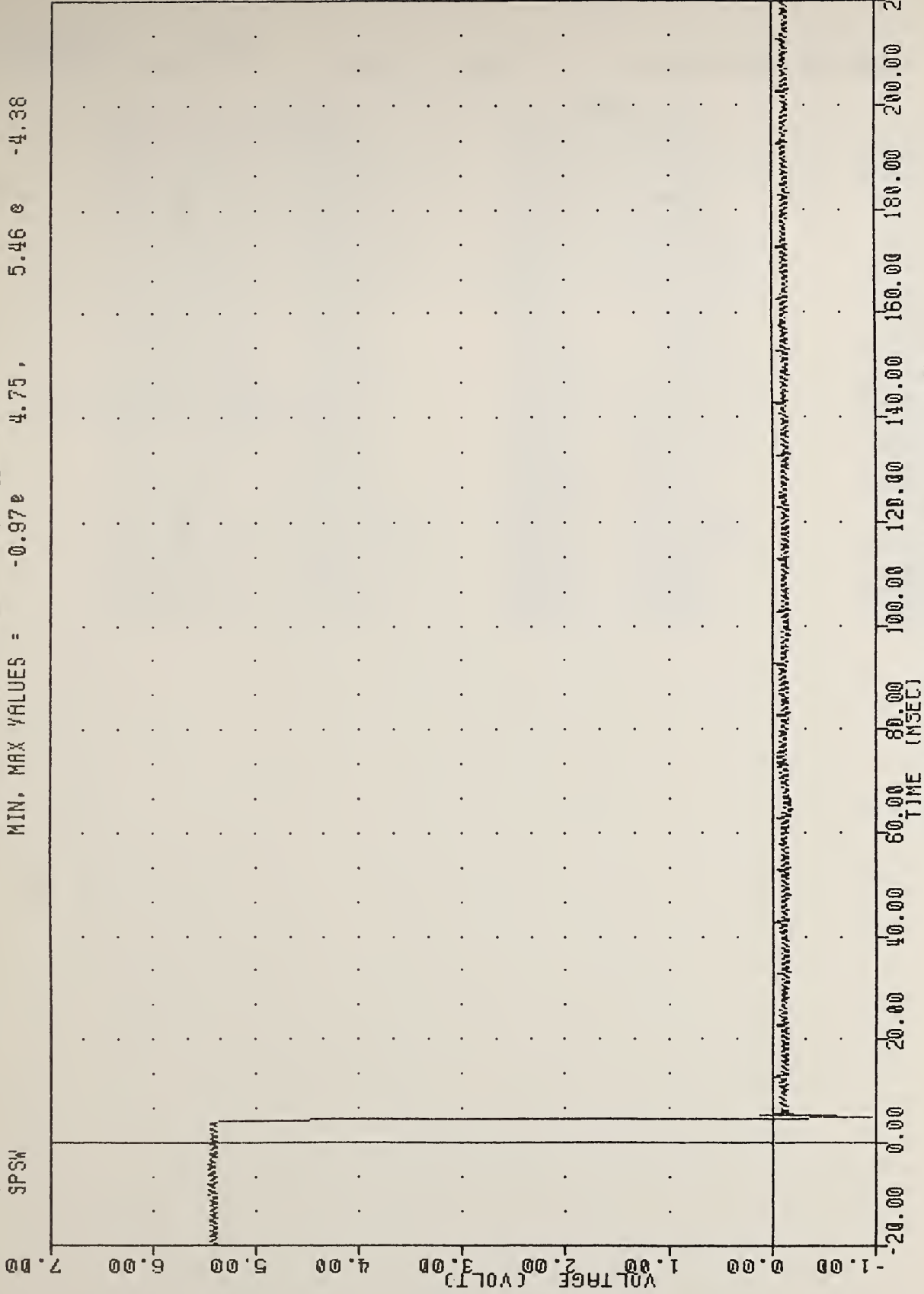


AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

VRTC R0583-2-10
 AIRBAG DEMONSTRATION PROGRAM
 83294
 SPSW

PLOT DATE 21-OCT-83 14:32:01

FILTER = BLPF 1650/ 5216/ -40
 MIN. MAX VALUES = -0.97e 4.75, 5.46 e -4.38



AIRBAG DEMONSTRATION PROGRAM
 SLED POSITION SWITCH

DEMONSTRATION PROGRAM

0.0 mph

83297

VRTC

RD583-2-11

24-OCT-83 15:55:01

	Min value		Max value		Uni
SPSW	-1.148 @	4.625	5.460 @	-20.375 msec	volt
SLDXGC	-0.972 @	123.375	23.228 @	57.250 msec	g
SLDXVC	-0.009 @	-12.250	33.561 @	120.250 msec	mph
SLDXV	-0.036 @	-23.500	32.582 @	136.125 msec	mph
FTUXG	-3.482 @	132.750	26.635 @	64.250 msec	g
ABFT1	-0.794 @	26.125	4.380 @	18.750 msec	volt
HEDXG1	-47.953 @	111.125	21.033 @	216.500 msec	g
HEDXV1	-45.548 @	181.000	0.066 @	31.500 msec	mph
HEDYG1	-9.066 @	111.625	3.139 @	47.375 msec	g
HEDZG1	-24.987 @	94.875	6.005 @	83.625 msec	g
CSTXG1	-41.906 @	102.875	67.326 @	214.750 msec	g
CSTXV1	-41.953 @	135.500	0.016 @	20.875 msec	mph
CSTYG1	-3.758 @	214.375	3.038 @	248.625 msec	g
CSTZG1	-14.270 @	102.625	6.858 @	80.250 msec	g
PEVXG1	-51.618 @	76.250	2.434 @	228.125 msec	g
PEVYG1	-4.795 @	51.125	8.110 @	59.000 msec	g
PEVZG1	-3.951 @	58.125	32.639 @	77.500 msec	g
CSTXD	-0.031 @	227.625	0.475 @	99.625 msec	in
LFMF1	-430.670 @	75.250	1087.143 @	214.000 msec	lb
RFMF1	-702.355 @	75.000	207.395 @	214.000 msec	lb
HEDRG1	0.026 @	-23.250	51.688 @	111.375 msec	g
CSTRG1	0.007 @	-6.875	67.616 @	214.750 msec	g
PEVRG1	0.008 @	-17.000	59.616 @	76.375 msec	g

* * * HIC computation for TRC219I 24-OCT-83 15:57:43

HEDRG1 VRTC RD583-2-11 83297 AIRBAG DEMONSTRATION PROGRAM
Using time range = 0.000 to 200.000 msec Peak accel = 51.69 @ 111.37

HIC = 468.02 Interval from 83.875 [872] to 128.625 [1230]

HIC = 238.50 Interval from 103.500 [1029] to 118.500 [1149]

Elapsed time = 15.54 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

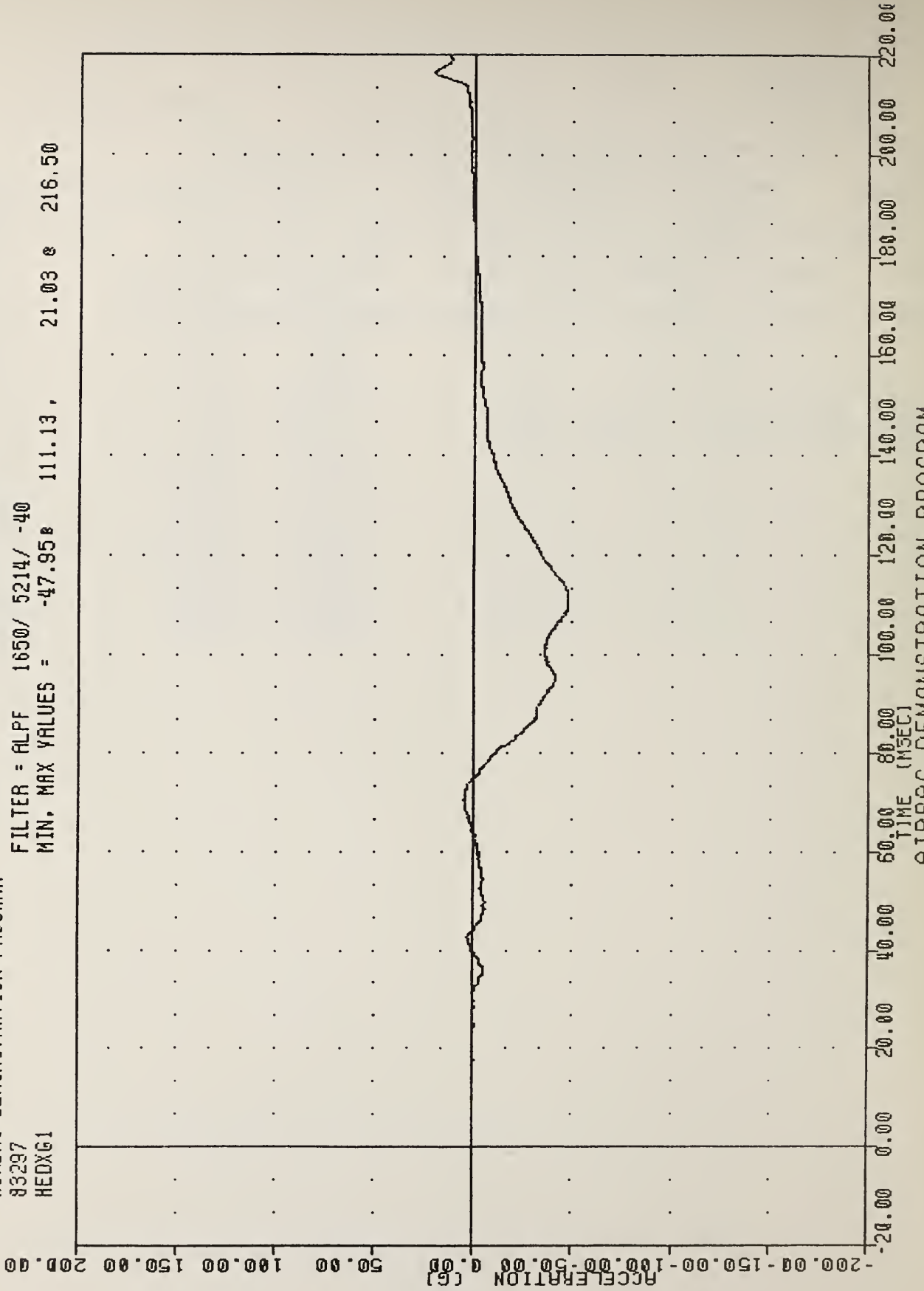
\$

VRTC R0583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
HEDXG1

PLOT DATE 24-OCT-83 15:49:37

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -47.95g 111.13, 21.03 & 216.50

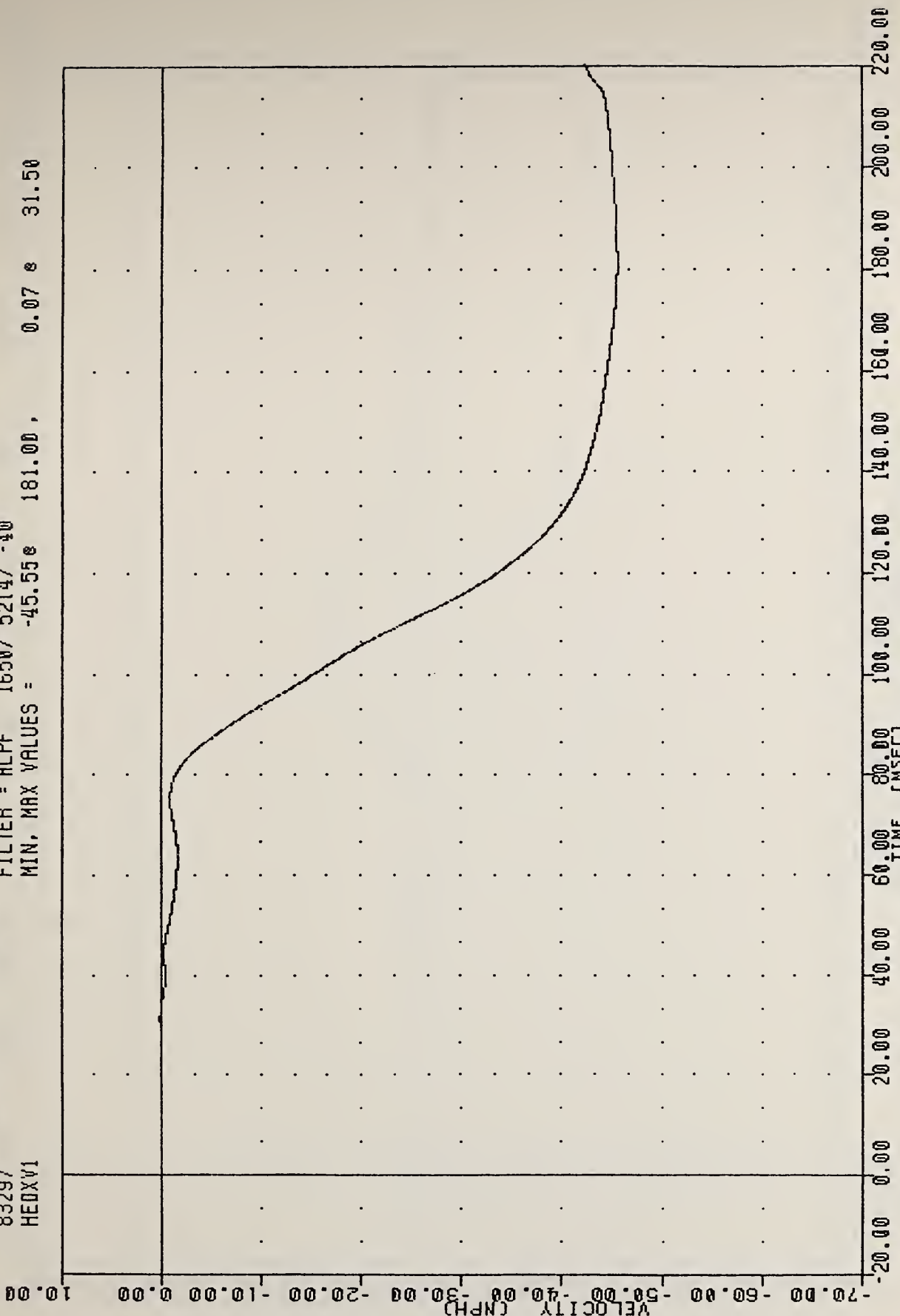


VRTC RD583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
HEADV1

PLOT DATE 24-OCT-83 15:49:37

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -45.55e 181.00, 0.07 e 31.50

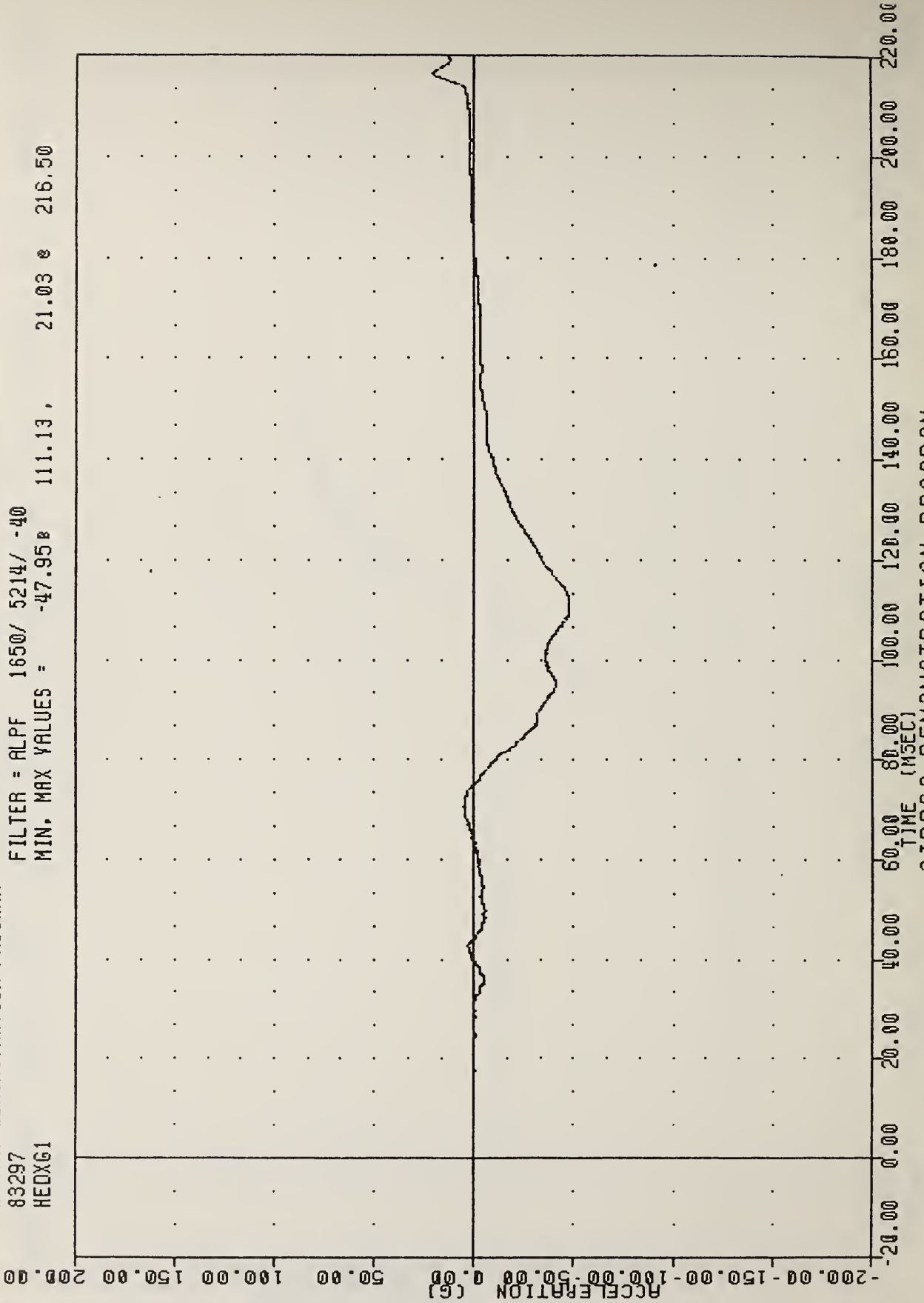


AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 50TH PERCENTILE

VRTC R0583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
HEDXG1

PLOT DATE 24-OCT-83 15:52:35

FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -47.95B 111.13, 21.03 e 216.50

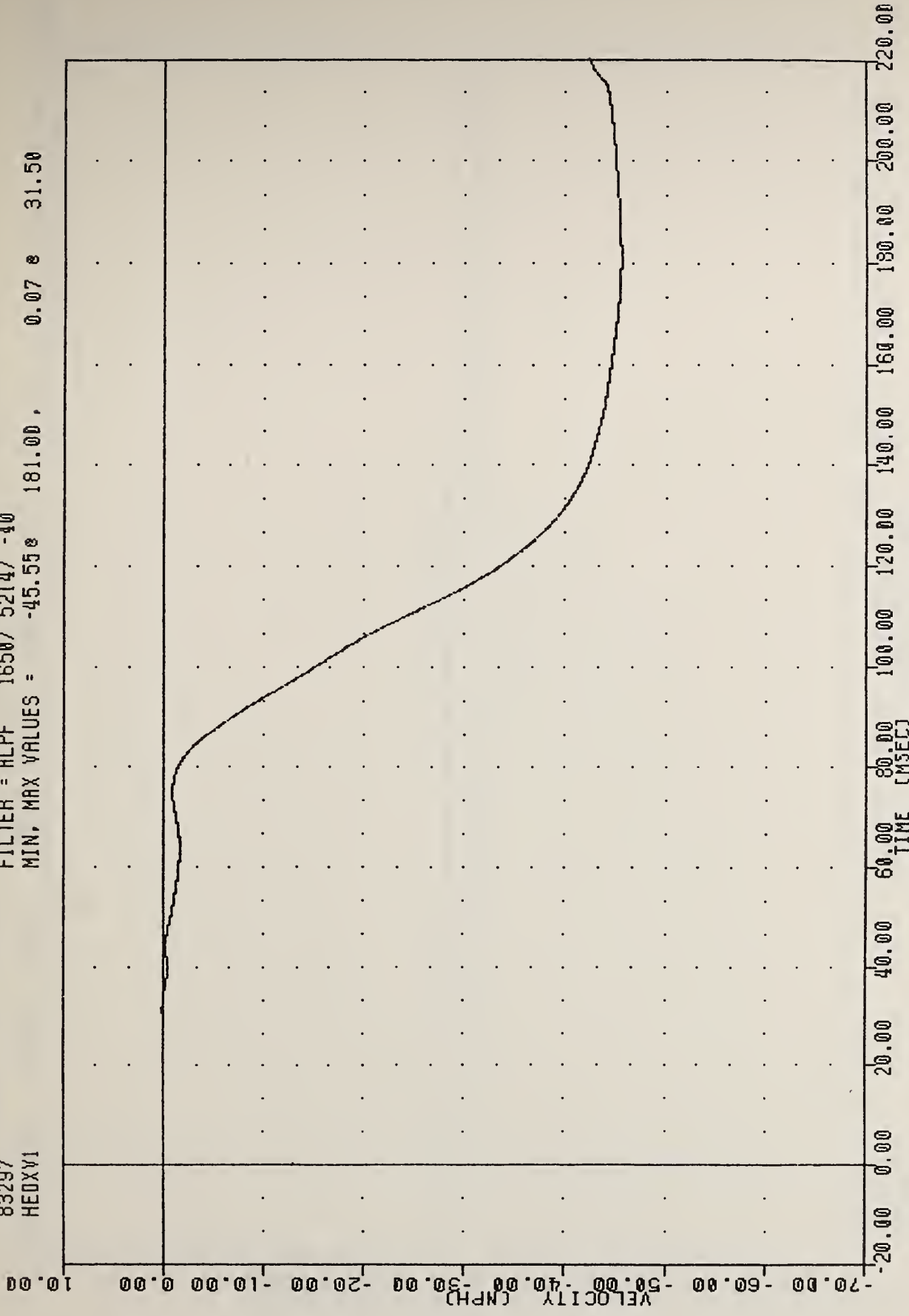


AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION X AXIS 50TH PERCENTILE

VRTC PD583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
HEADV1

PLOT DATE 24-OCT-83 15:52:35

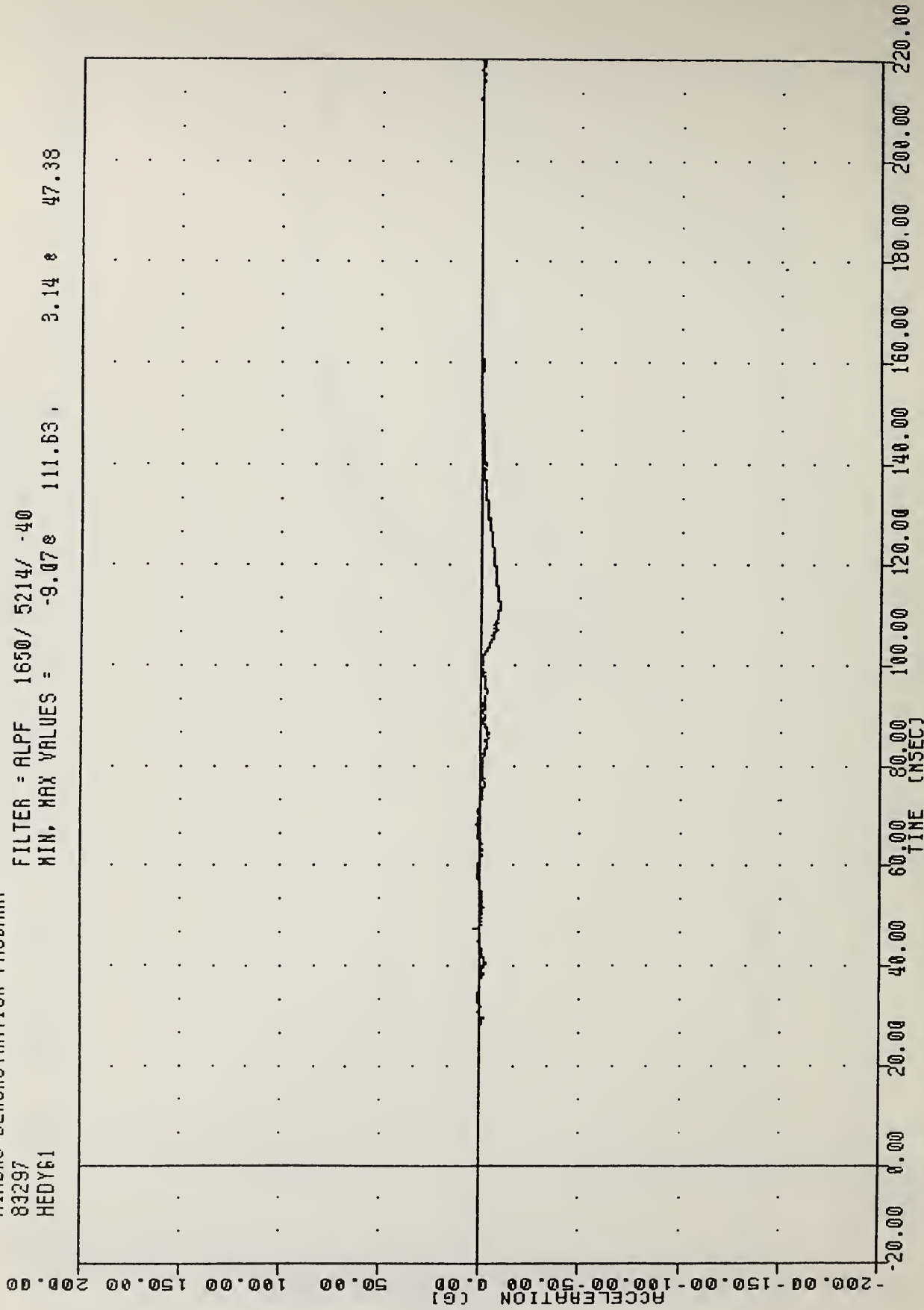
FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -45.55e 181.00, 0.07 e 31.50



AIRBAG DEMONSTRATION PROGRAM
HEAD VELOCITY X AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83297
HEDY61

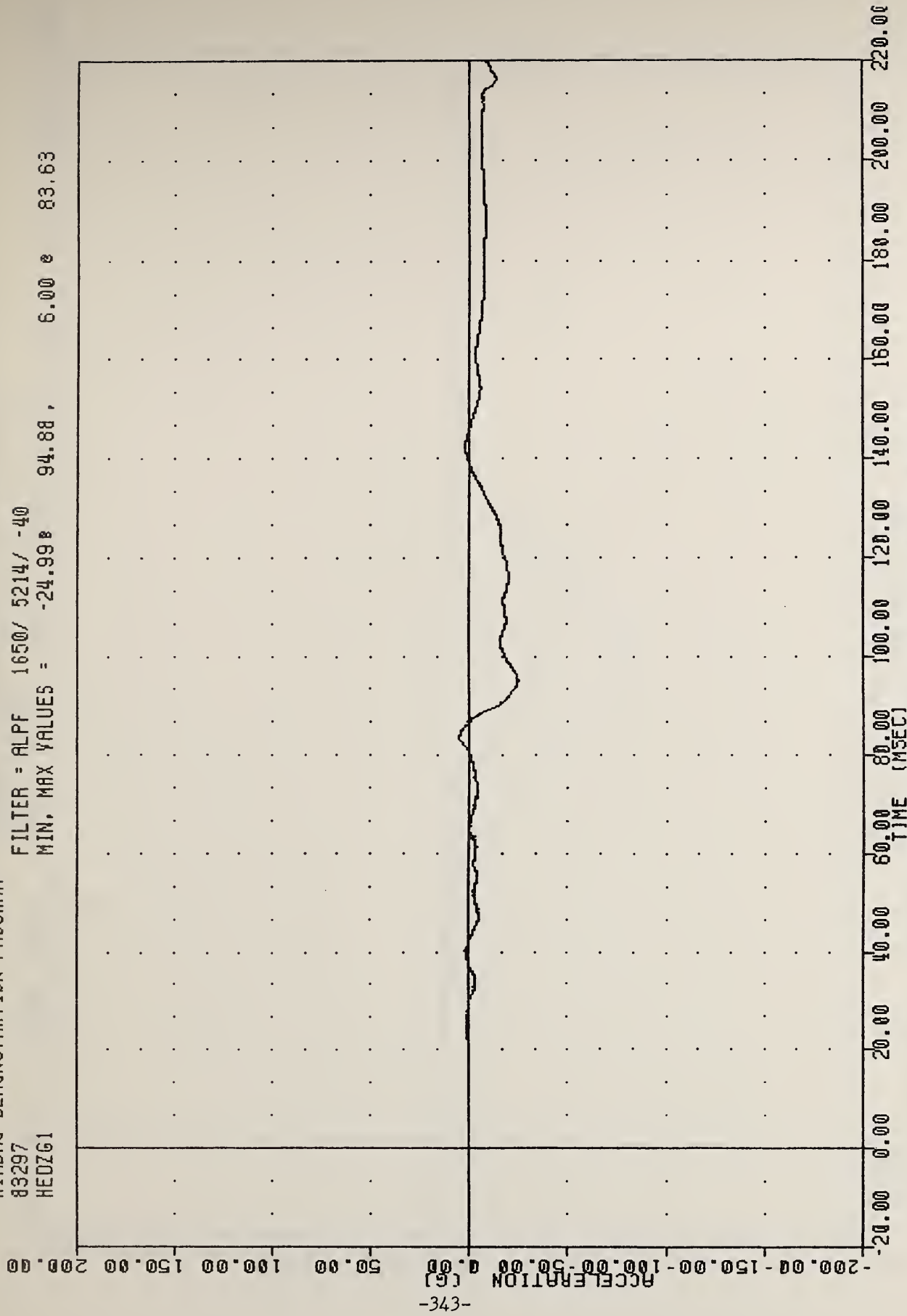
FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -9.07e 111.63 , 3.14 e 47.38



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83297
HEDZG1

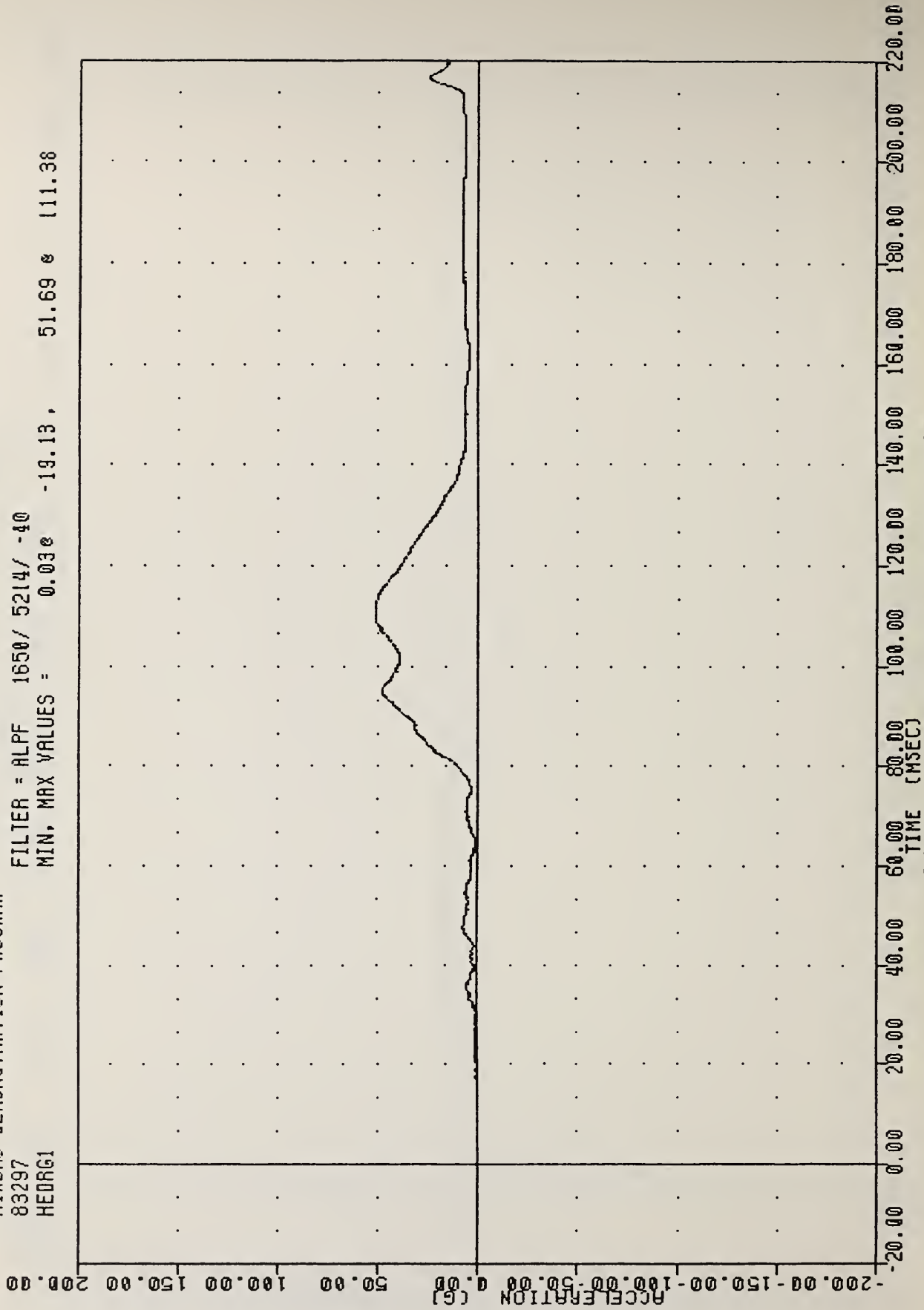
FILTER = ALPF 1650/ 5214/ -40
MIN. MAX VALUES = -24.99 94.88 , 6.00 83.63



AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Z AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83297
HEADRG1

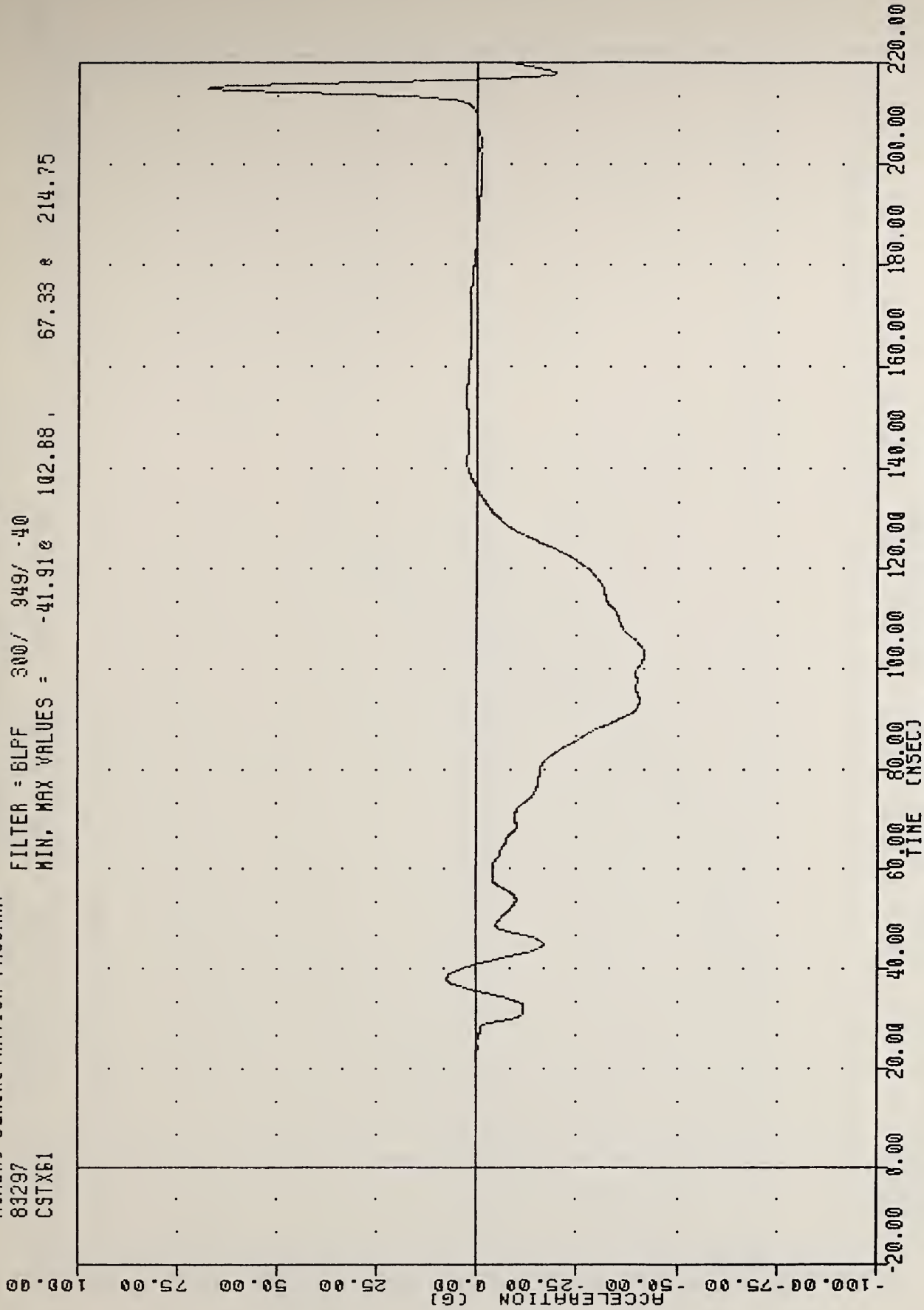
FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = 0.03e -19.13, 51.69 e 111.38



AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83297
CSTX61

FILTER = 6LFF 300/ 949/ -40
MIN, MAX VALUES = -41.91e 102.88 , 67.33 & 214.75



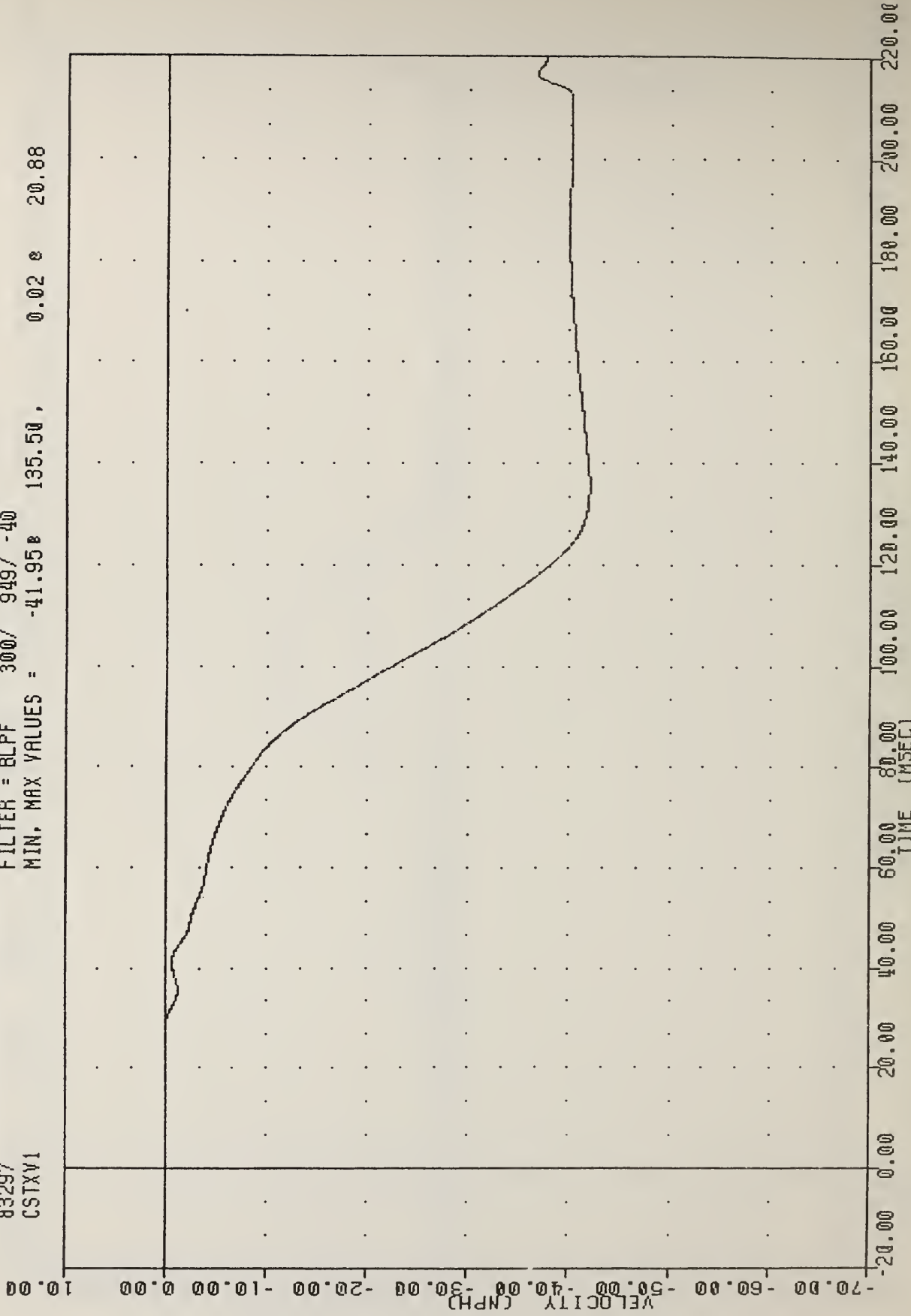
AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 50TH PERCENTILE

VRTC R0583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
CSTXV1

PLOT DATE 24-OCT-83 15:52:35

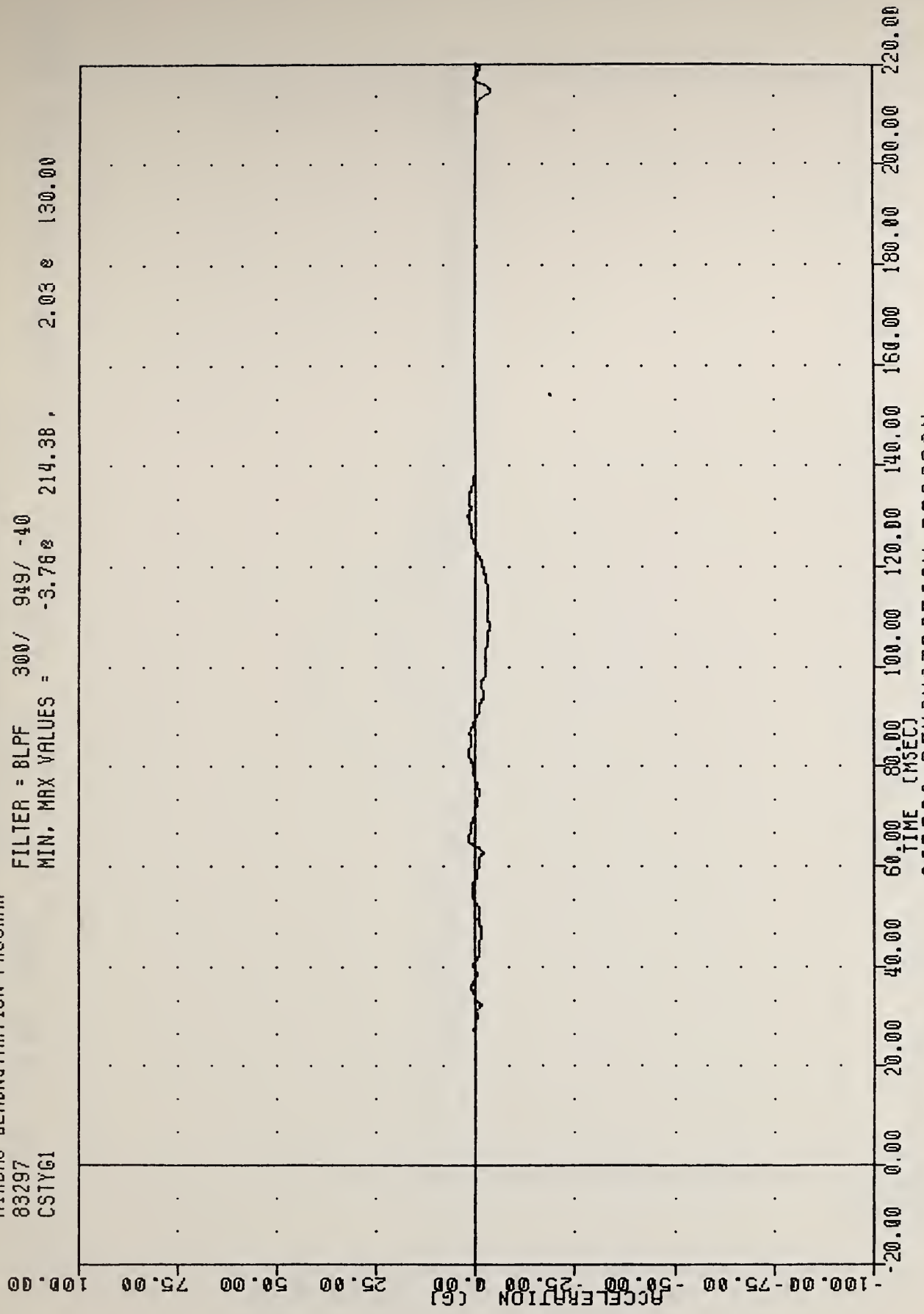
FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -41.95E 135.50, 0.02 E 20.88



AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 50TH PERCENTILE

VRTC RD583-2-11 PLOT DATE 24-OCT-83 15:52:35
 AIRBAG DEMONSTRATION PROGRAM
 83297 FILTER = 8LPF 300/ 949/ -40
 CSTY61 MIN, MAX VALUES = -3.76e 214.38, 2.03 e 130.00

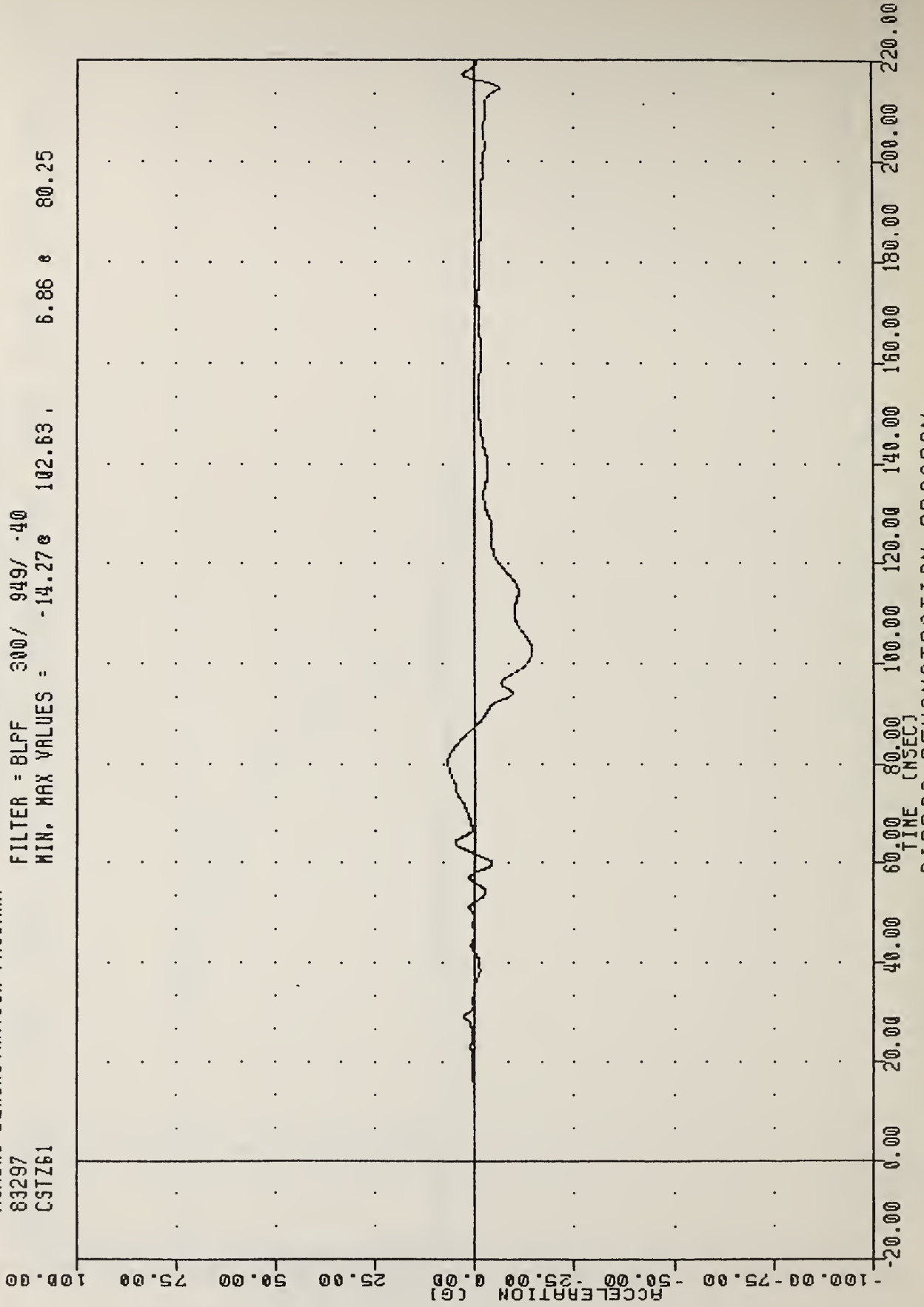


AIRBAG DEMONSTRATION PROGRAM
 CHEST ACCELERATION Y AXIS 50TH PERCENTILE

VATIC RD583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
CSTZ61

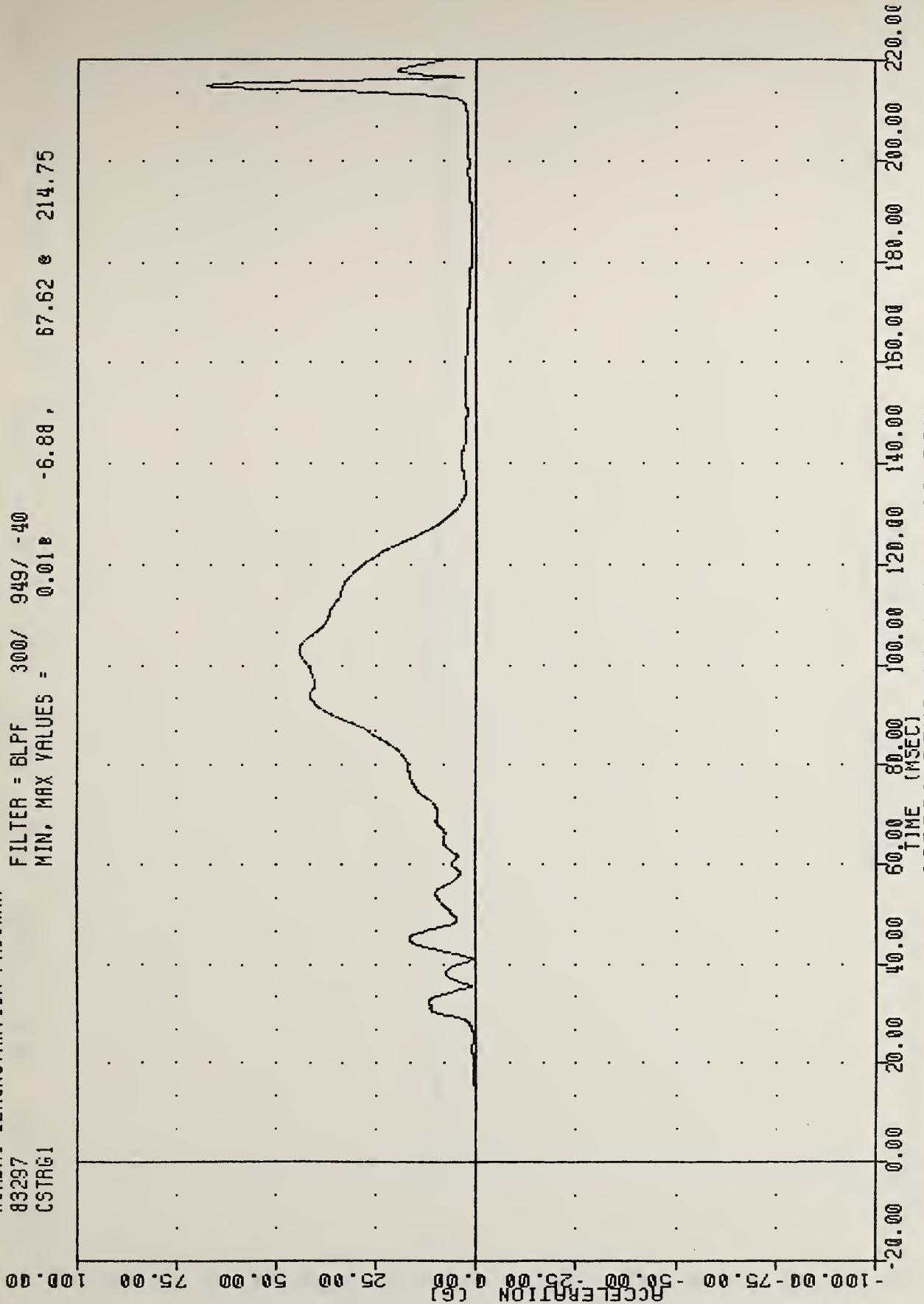
PLOT DATE 24-OCT-83 15:52:35

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -14.27 e 102.63 , 6.86 e 80.25



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

YRTC R0583-2-11 PLOT DATE 24-OCT-83 15:52:35
 AIRBAG DEMONSTRATION PROGRAM
 83297 FILTER = BLPF 300/ 949/ -40
 CSTRG1 MIN, MAX VALUES = 0.01E -6.88, 67.62 @ 214.75



AIRBAG DEMONSTRATION PROGRAM
 CHEST RESULTANT ACCELERATION 50TH PERCENTILE

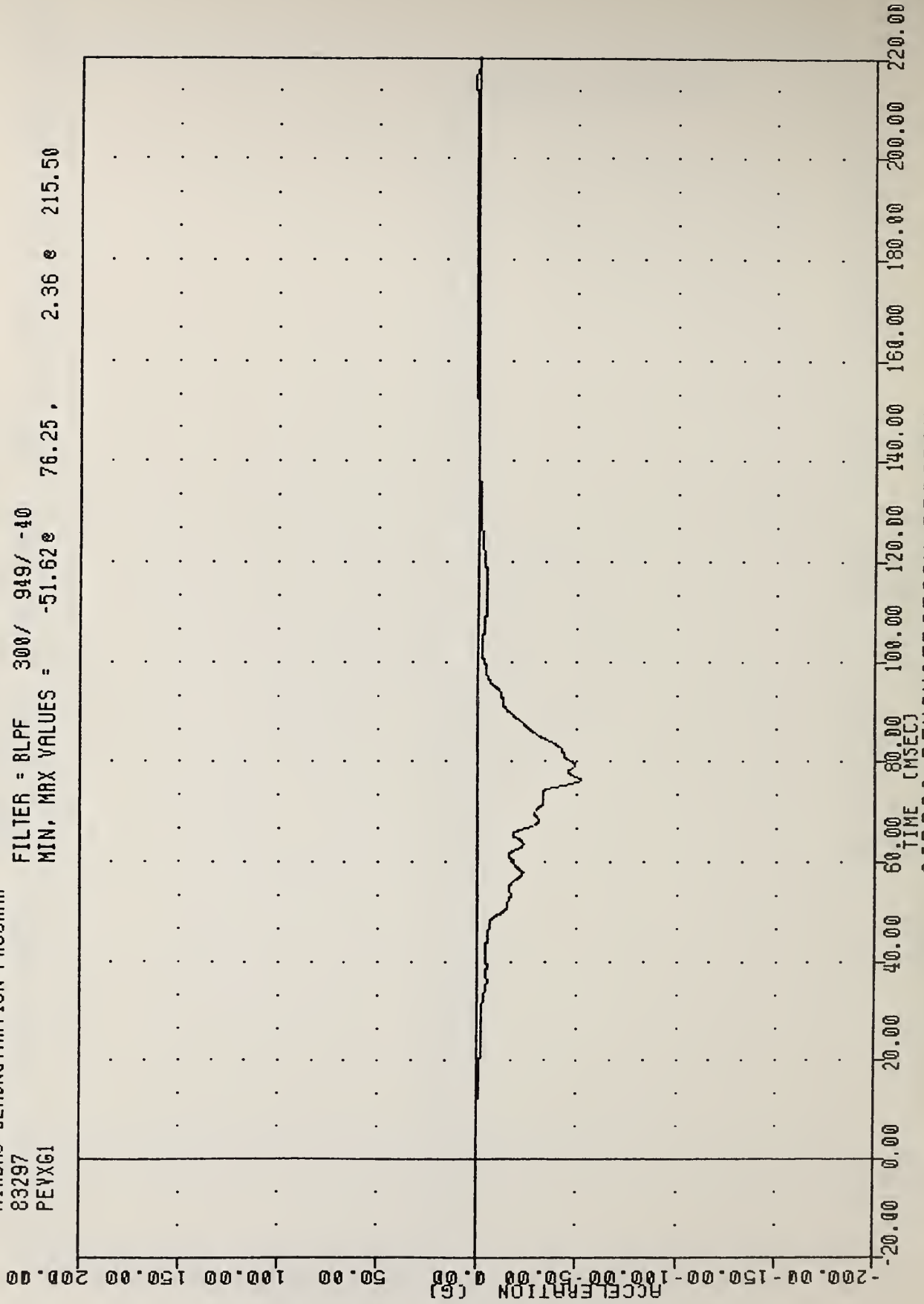
AIRBAG DEMONSTRATION PROGRAM

83297

PEVXG1

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -51.62e 76.25, 2.36 e 215.50



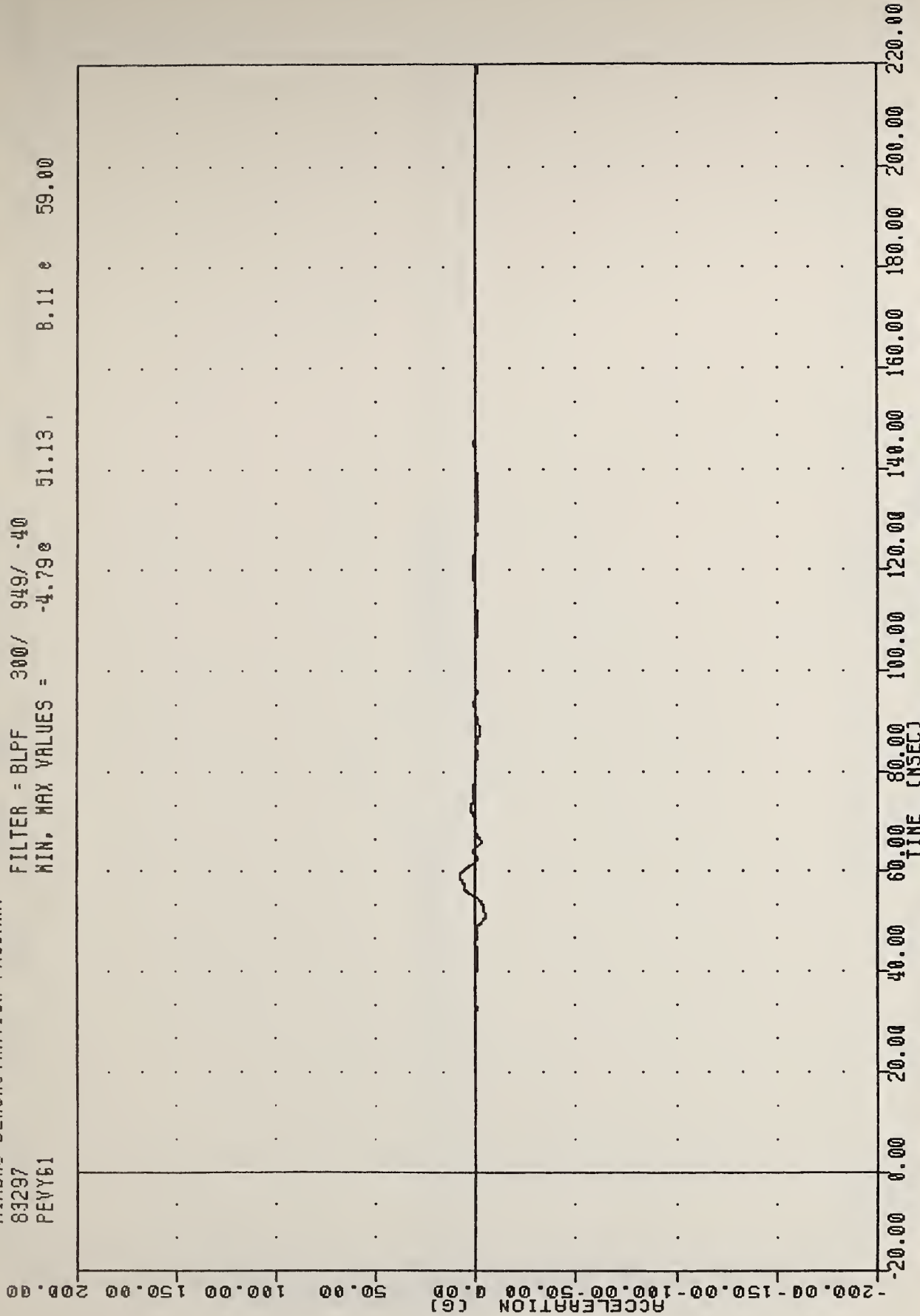
AIRBAG DEMONSTRATION PROGRAM
PELVIS ACCELERATION X AXIS 50TH PERCENTILE

VRTC RD583-2-11
 AIRBAG DEMONSTRATION PROGRAM
 83297
 PEVY61

PLOT DATE 24-OCT-83 15:52:35

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -4.79e 51.13, 8.11 e 59.00

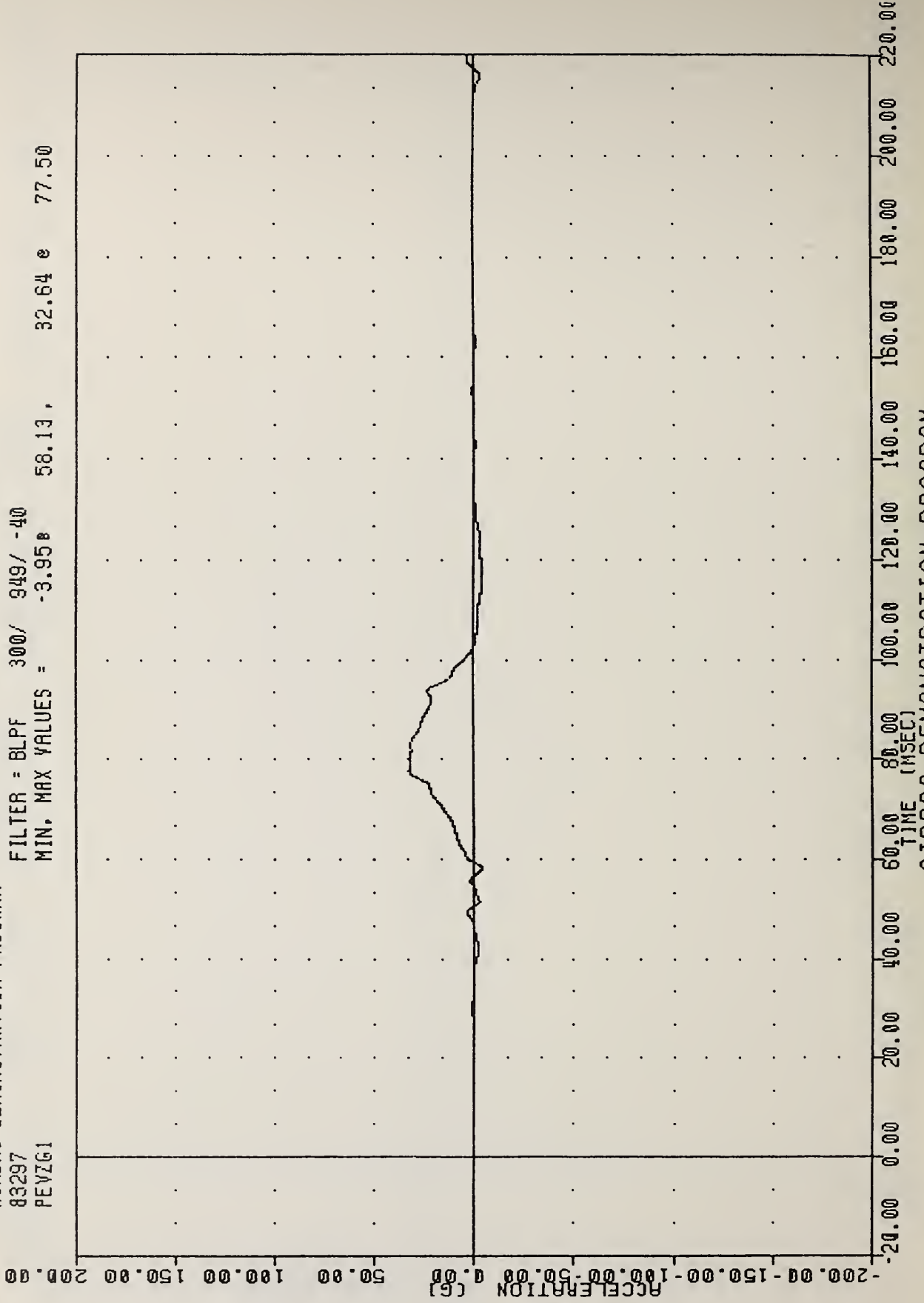


AIRBAG DEMONSTRATION PROGRAM
 PEVY61 ACCELERATION Y AXIS 50TH PERCENTILE

VRTC R0583-2-11
 AIRBAG DEMONSTRATION PROGRAM
 83297
 PEVZG1

PLOT DATE 24-OCT-83 15:52:35

FILTER = BLPF 300/ 949/ -40
 MIN. MAX VALUES = -3.958 58.13, 32.64 e 77.50



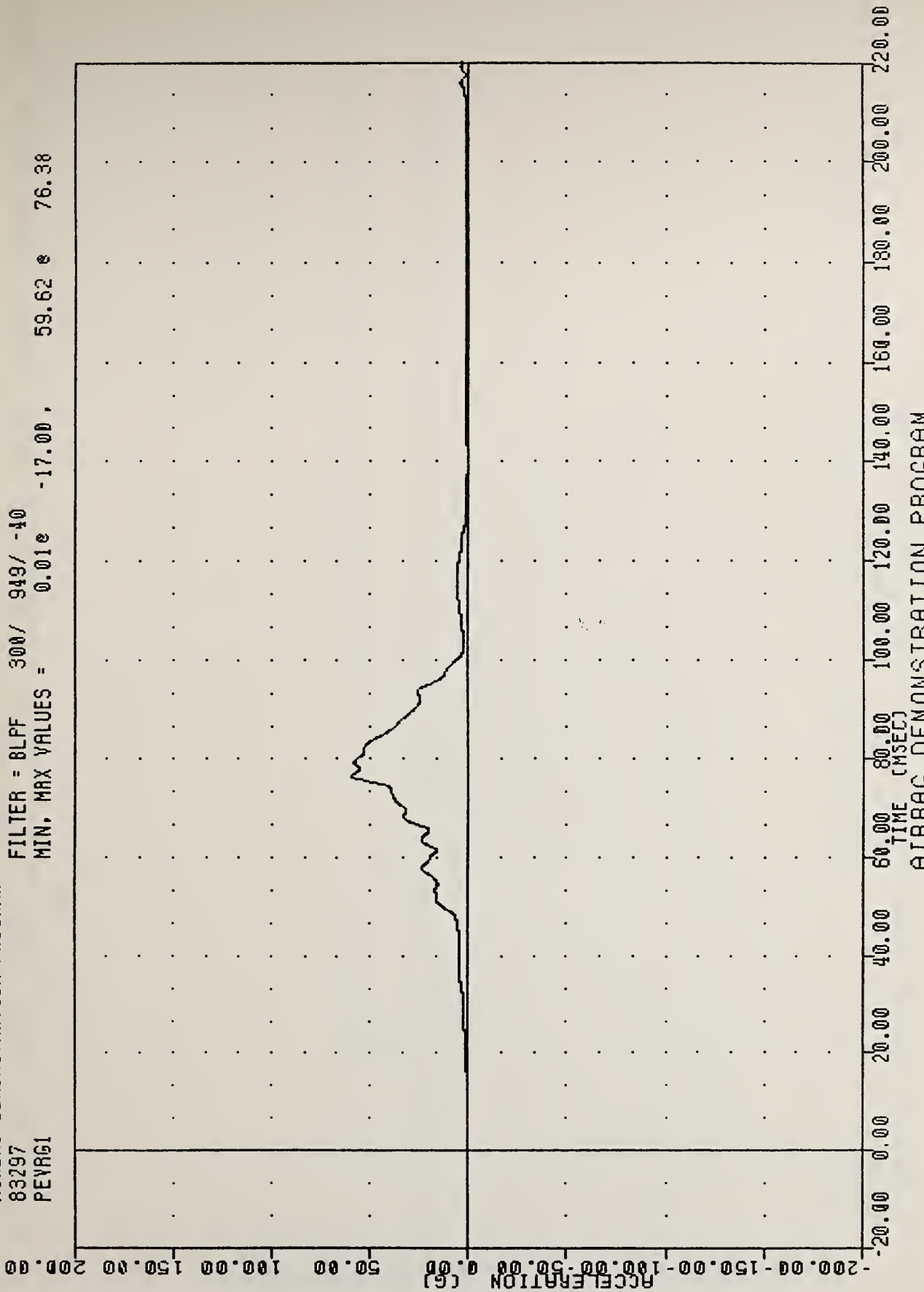
AIRBAG DEMONSTRATION PROGRAM
 PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

VRTC RD583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
PEVRG1

PLOT DATE 24-OCT-83 15:52:35

FILTER = BLPF 300/ 949/ -10

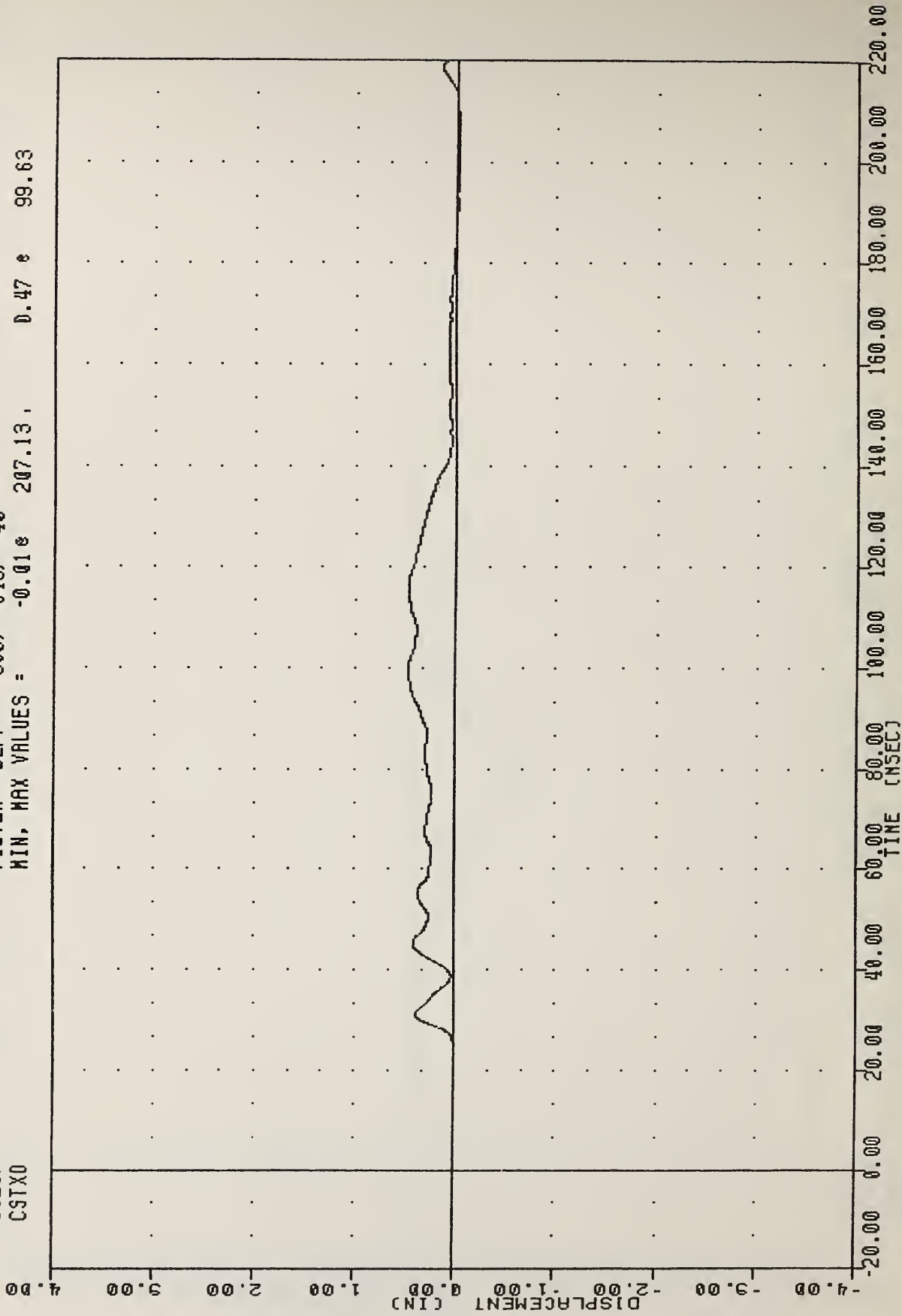
MIN, MAX VALUES = 0.01e -17.00, 59.62 e 76.38



AIRBAG DEMONSTRATION PROGRAM
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM
83297
CSTX0

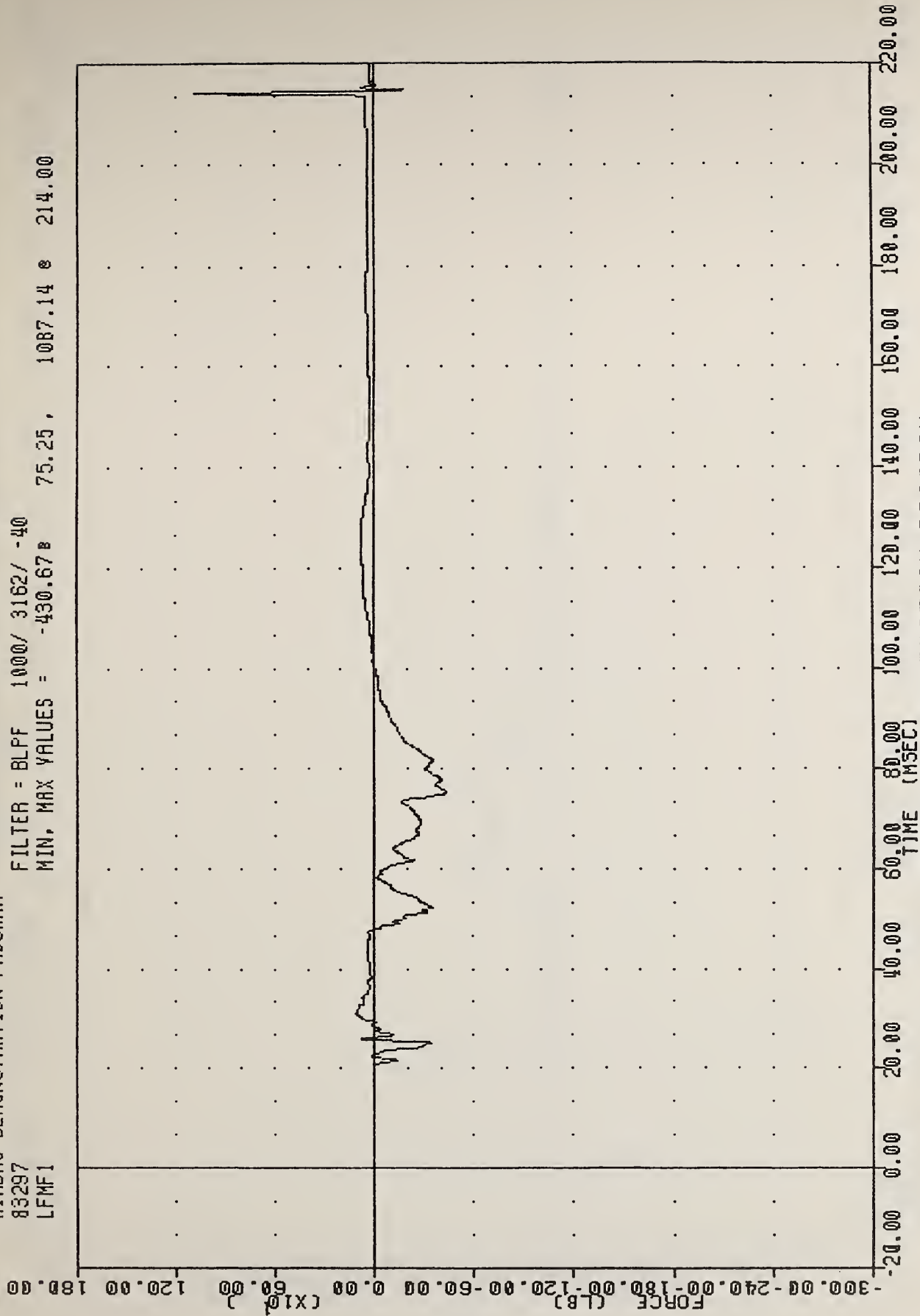
FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -0.01e 207.13, 0.47 e 99.63



AIRBAG DEMONSTRATION PROGRAM
CHEST DISPLACEMENT 50TH PERCENTILE

VRTC R0583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
LFMF1

PLOT DATE 24-OCT-83 15:52:35
FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -430.67# 75.25, 1087.14 @ 214.00

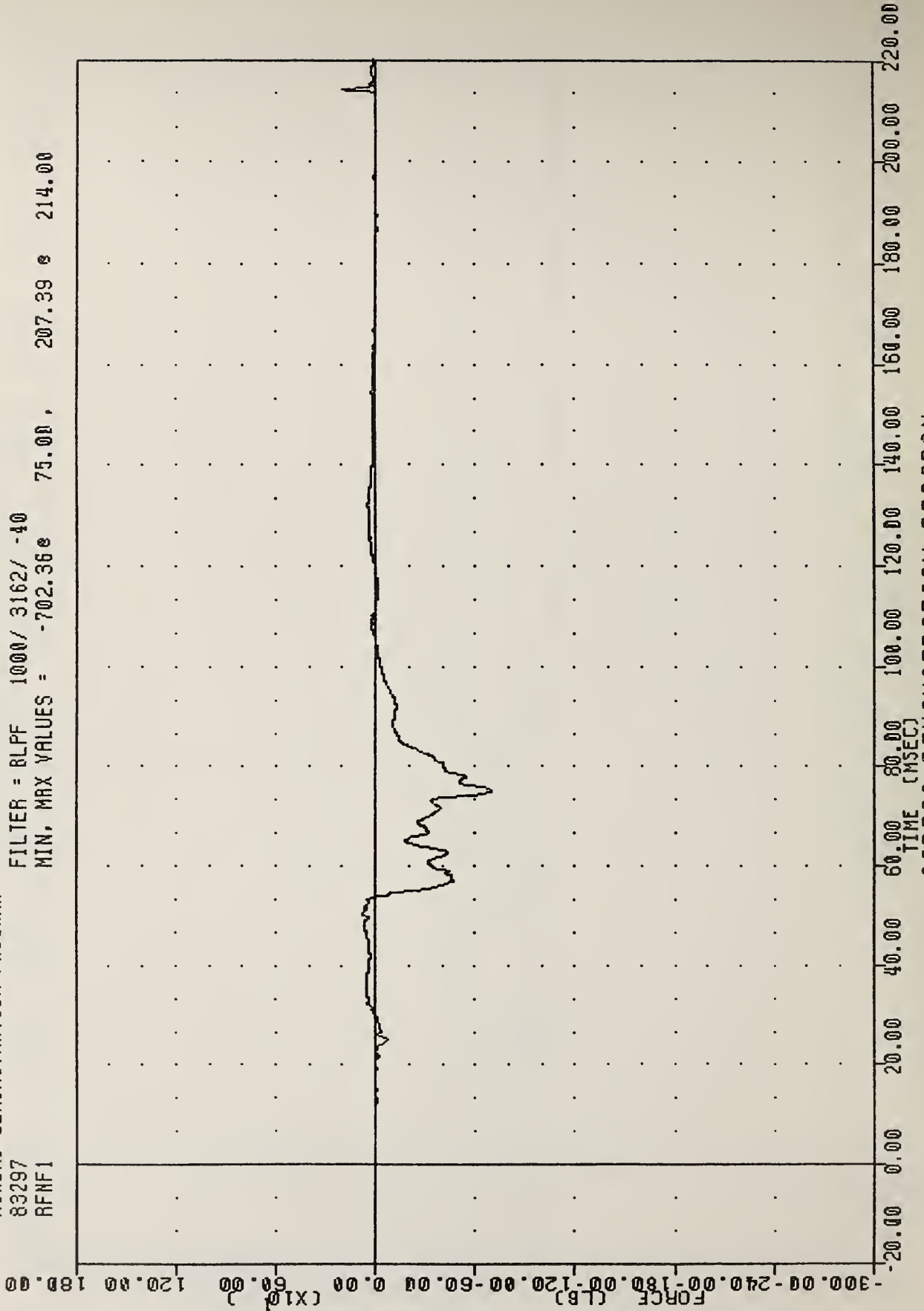


AIRBAG DEMONSTRATION PROGRAM
LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

VRTC R0583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
RFNF1

PLOT DATE 24-OCT-83 15:52:35

FILTER = BLPF 1000/ 3162/ -40
MIN. MAX VALUES = -702.36e 75.00, 207.39 e 214.00



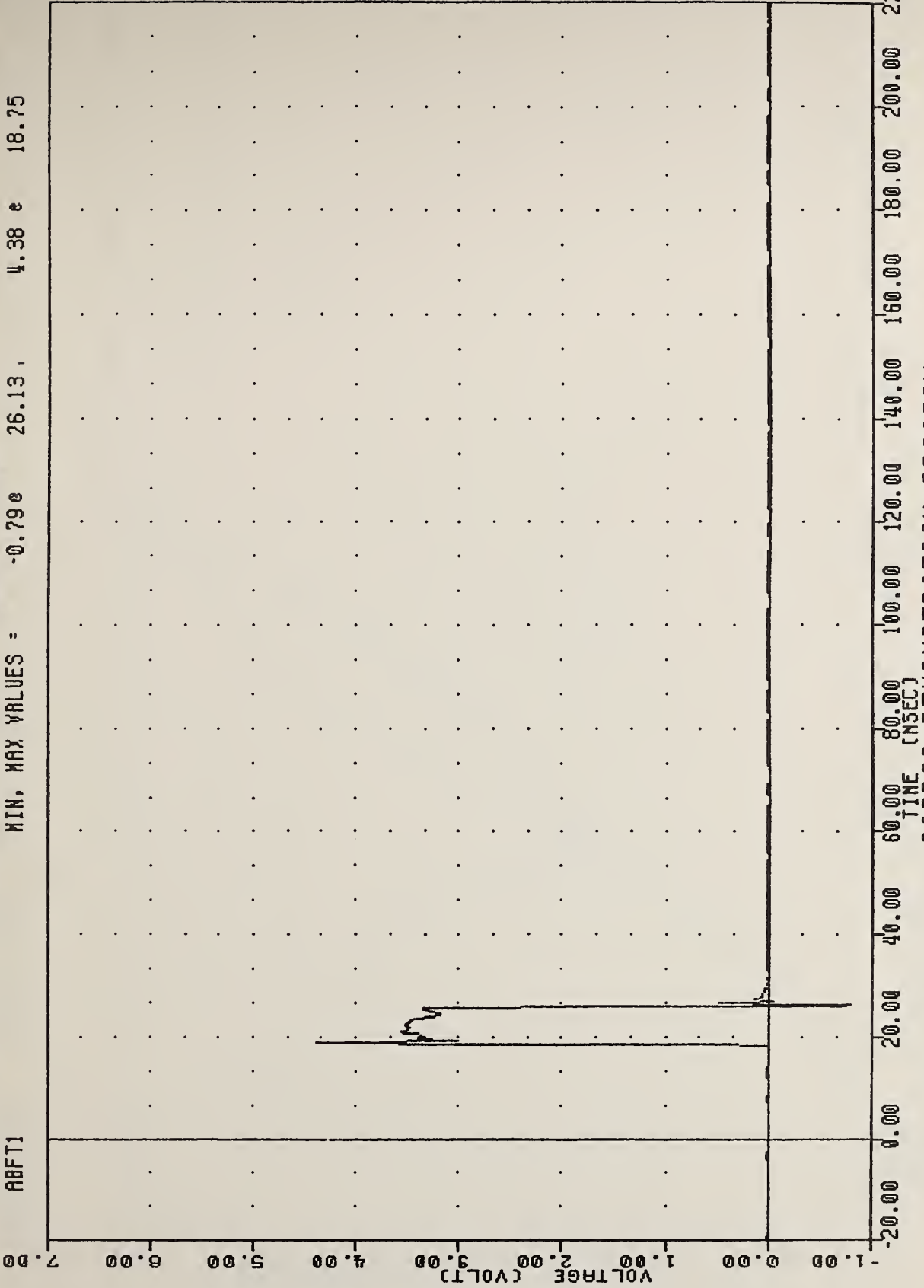
AIRBAG DEMONSTRATION PROGRAM
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

VATIC RD583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
ABFT1

PLOT DATE 24-OCT-83 15:52:35

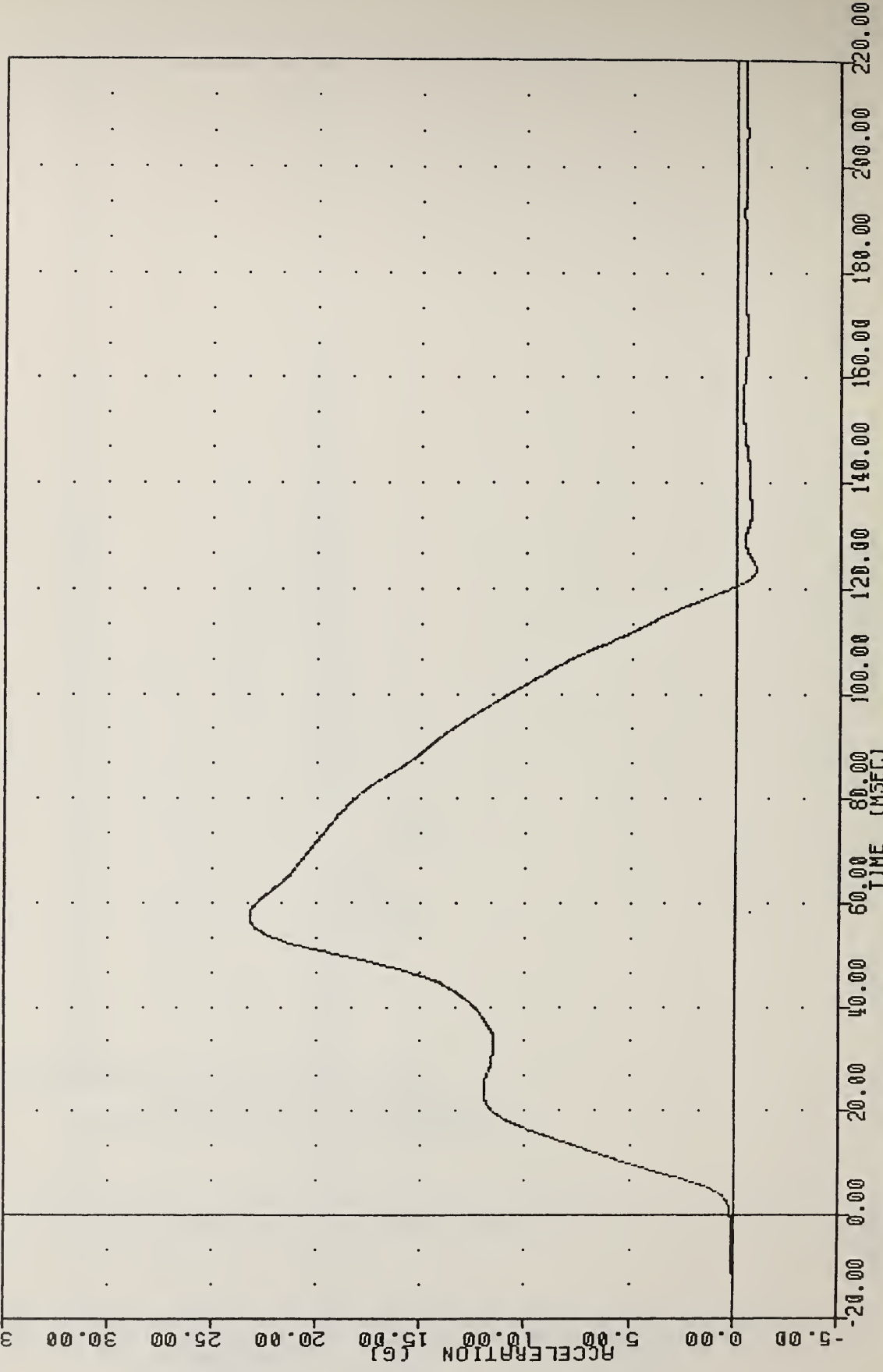
FILTER = BLPF 1650/ 5218/ -40

MIN. MAX VALUES = -0.79e 26.13 , 4.38 e 18.75



AIRBAG DEMONSTRATION PROGRAM
AIR BAG FIRING EVENT 50TH PERCENTILE

VRTC RD563-2-11 PLOT DATE 24-OCT-83 15:52:35
 AIRBAG DEMONSTRATION PROGRAM
 83297 FILTER = BLPF 100/ 316/ -40
 SLDXGC MIN, MAX VALUES = -0.97g 123.3g , 23.23 e 57.25



AIRBAG DEMONSTRATION PROGRAM
 SLED ACCELERATION

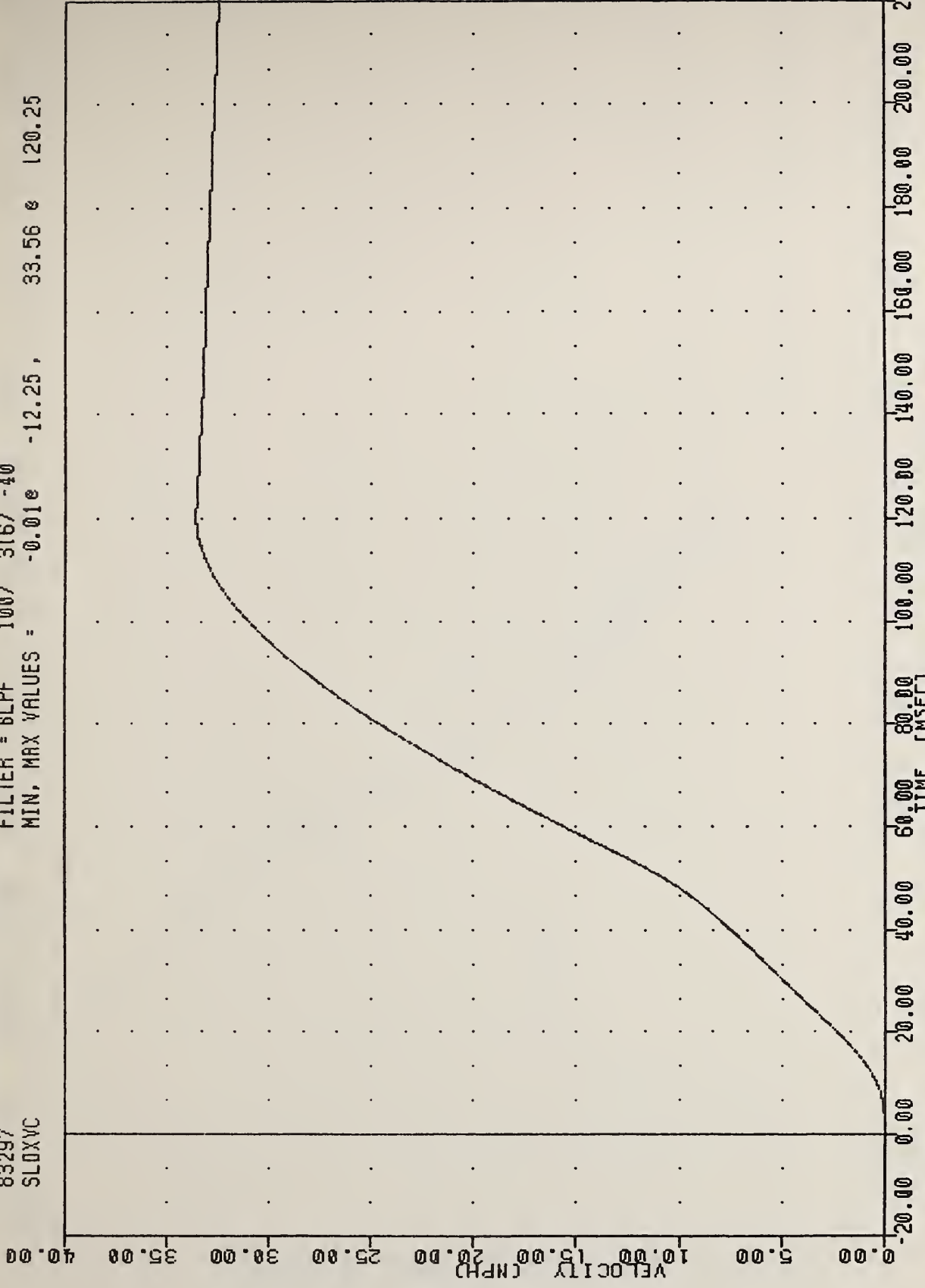
AIRBAG DEMONSTRATION PROGRAM

83297

SLOXVC

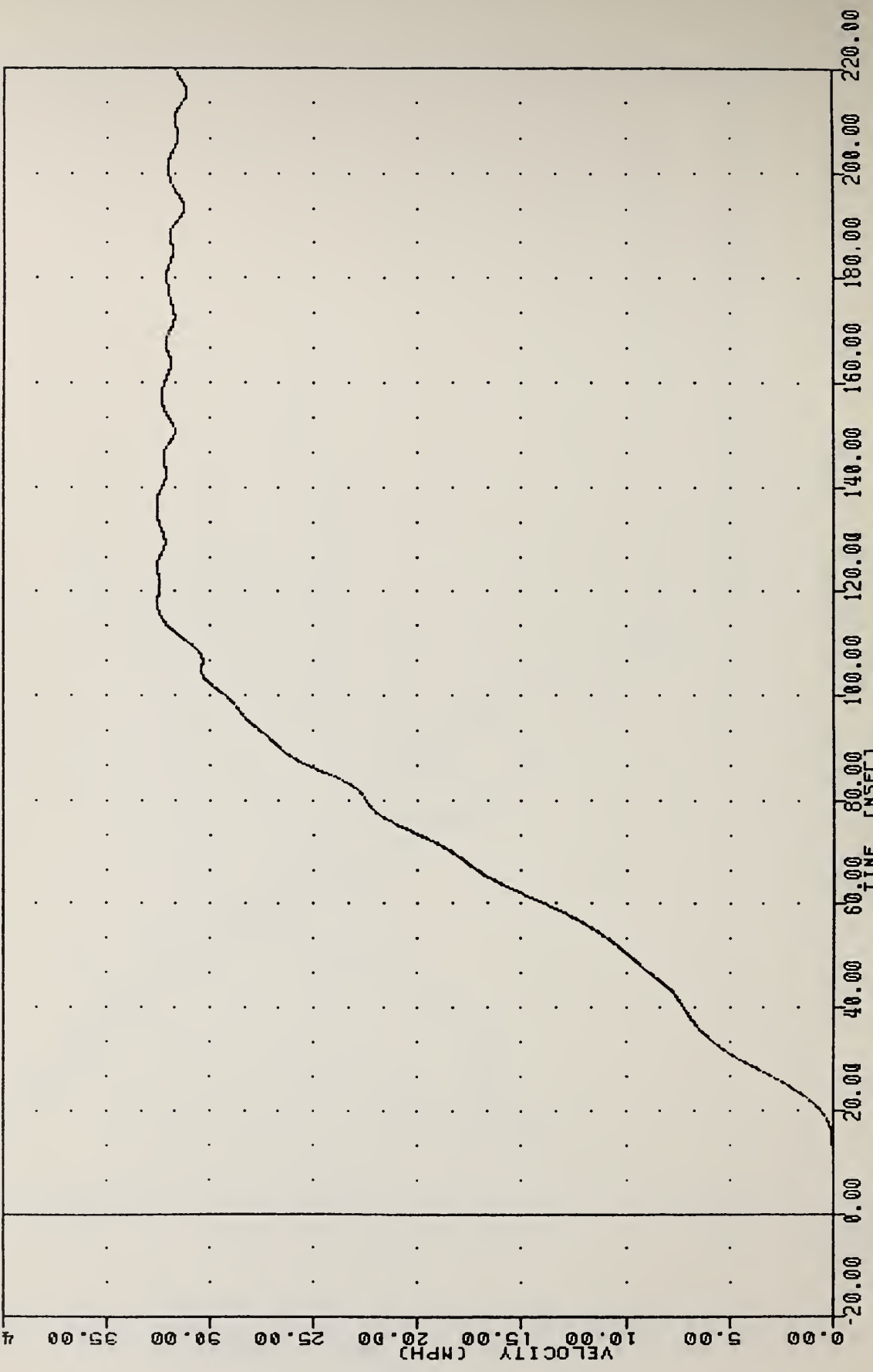
FILTER = 6LPF 100/ 316/ -40

MIN, MAX VALUES = -0.01e -12.25, 33.56 e 120.25



AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

VATC RD583-2-11 PLOT DATE 24-OCT-83 15:52:35
AIRBAG DEMONSTRATION PROGRAM
83297 FILTER = BLPF 100/ 316/ -40
SLOXY MIN, MAX VALUES = -0.04e -6.63 , 32.58 e 136.13



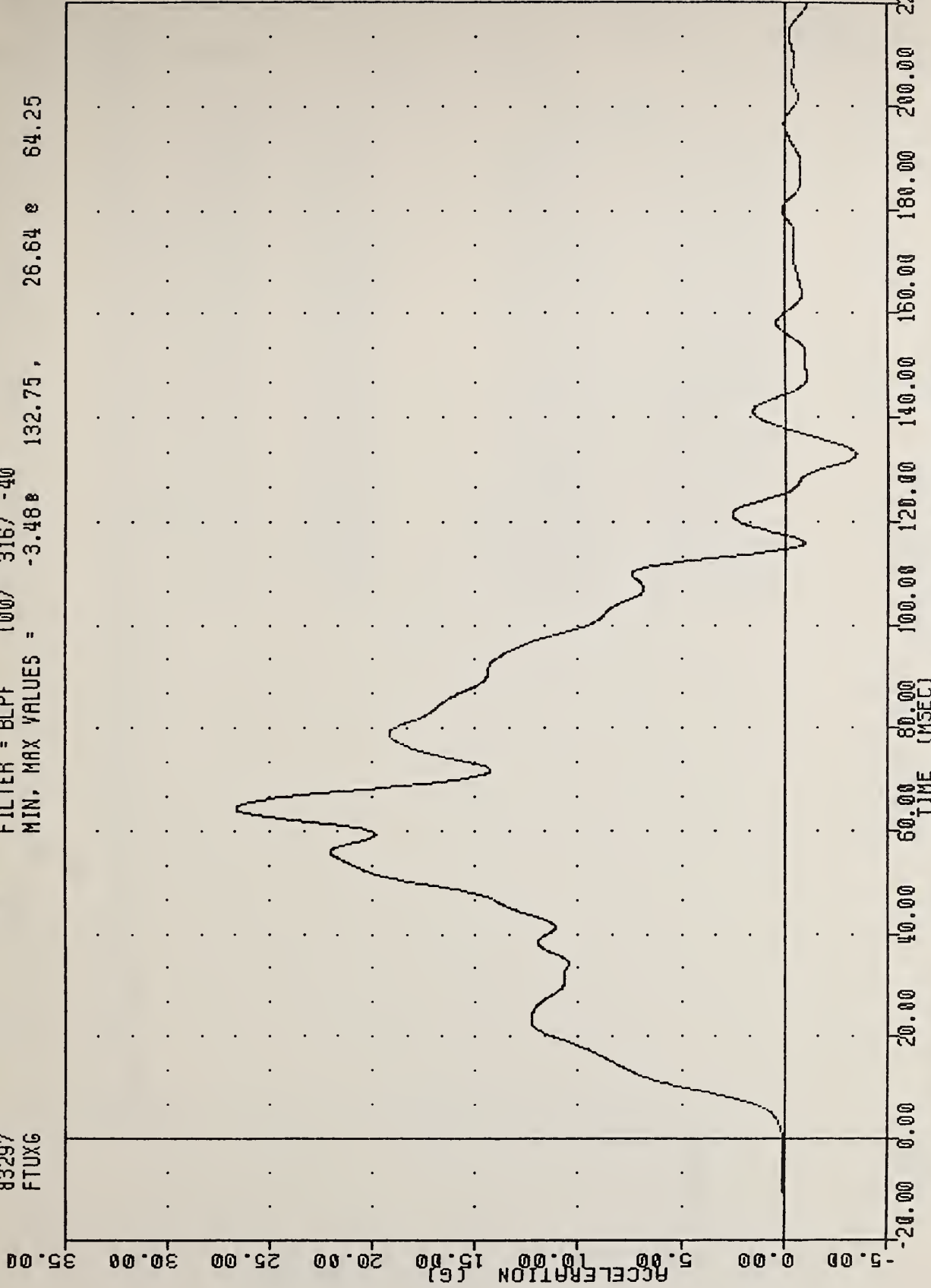
AIRBAG DEMONSTRATION PROGRAM
SLED VELOCITY

VRTC R0583-2-11
AIRBAG DEMONSTRATION PROGRAM
83297
FTUXG

PLOT DATE 24-OCT-83 15:52:35

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -3.48e 132.75, 26.64e 64.25



AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

AIRBAG DEMONSTRATION PROGRAM

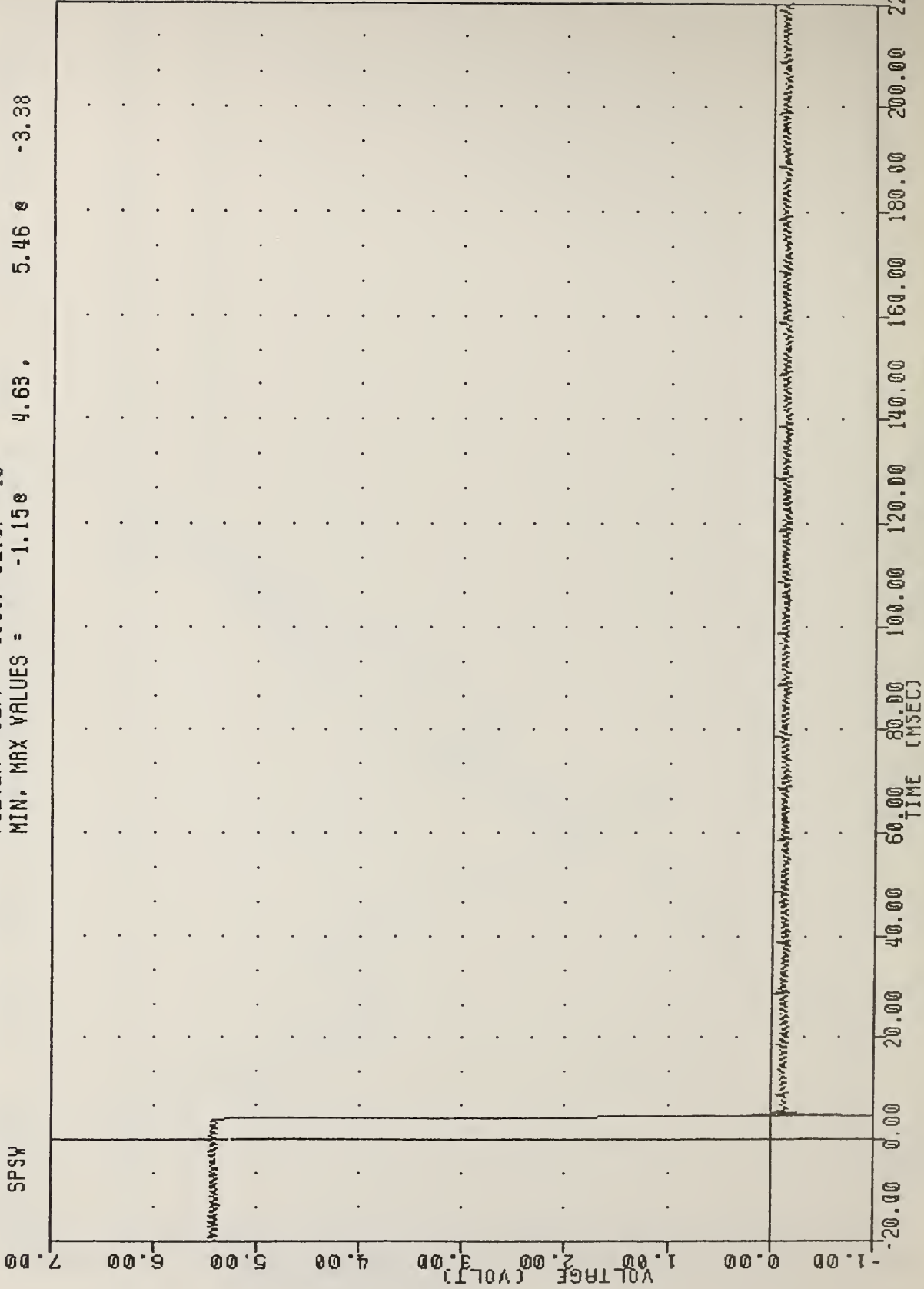
83297

SPSW

FILTER = 8LPF 1650/ 5218/ -40

MIN. MAX VALUES = -1.15e

4.63, 5.46 e -3.38



AIRBAG DEMONSTRATION PROGRAM

SLED POSITION SWITCH

DEMONSTRATION PROGRAM

0.0 mph

83298

VRTC

RD583-2-12

25-OCT-83 13:04:42

	Min value		Max value		Uni
SPSW	-1.246 @	5.250	5.466 @	-14.500 msec	volt
SLDXGC	-1.263 @	124.250	23.202 @	57.125 msec	g
SLDXVC	-0.012 @	-11.000	33.533 @	120.375 msec	mph
SLDXV	-0.025 @	-22.375	32.501 @	118.000 msec	mph
FTUXG	-2.638 @	128.625	25.170 @	65.125 msec	g
HEDXG1	-87.900 @	92.750	8.493 @	168.625 msec	g
HEDXV1	-38.883 @	281.625	4.076 @	83.375 msec	mph
HEDYG1	-41.184 @	94.375	42.299 @	93.375 msec	g
HEDZG1	-115.334 @	92.750	398.557 @	93.625 msec	g
CSTXG1	-59.761 @	83.250	3.127 @	155.875 msec	g
CSTXV1	-37.091 @	148.500	0.002 @	-9.125 msec	mph
CSTYG1	-3.010 @	123.125	5.319 @	94.500 msec	g
CSTZG1	-23.642 @	117.000	9.092 @	79.125 msec	g
PEVXG1	-52.197 @	79.375	3.739 @	115.500 msec	g
PEVYG1	-3.749 @	83.625	9.514 @	57.375 msec	g
PEVZG1	-7.277 @	124.625	41.986 @	78.250 msec	g
CSTXD	-0.092 @	69.500	0.800 @	85.000 msec	in
LFMF1	-242.631 @	52.000	195.892 @	77.000 msec	lb
RFMF1	-410.929 @	56.500	207.828 @	72.375 msec	lb
HEDRG1	0.017 @	-25.000	404.007 @	93.875 msec	g
CSTRG1	0.006 @	-17.750	59.801 @	83.250 msec	g
PEVRG1	0.004 @	-8.250	66.392 @	79.125 msec	g

* * * HIC computation for TRC220I 25-OCT-83 13:04:17

HEDRG1 VRTC RD583-2-12 83298 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 404.01 @ 93.875

HIC = 2583.94 Interval from 93.250 [947] to 94.750 [959]

Elapsed time = 8.50 sec

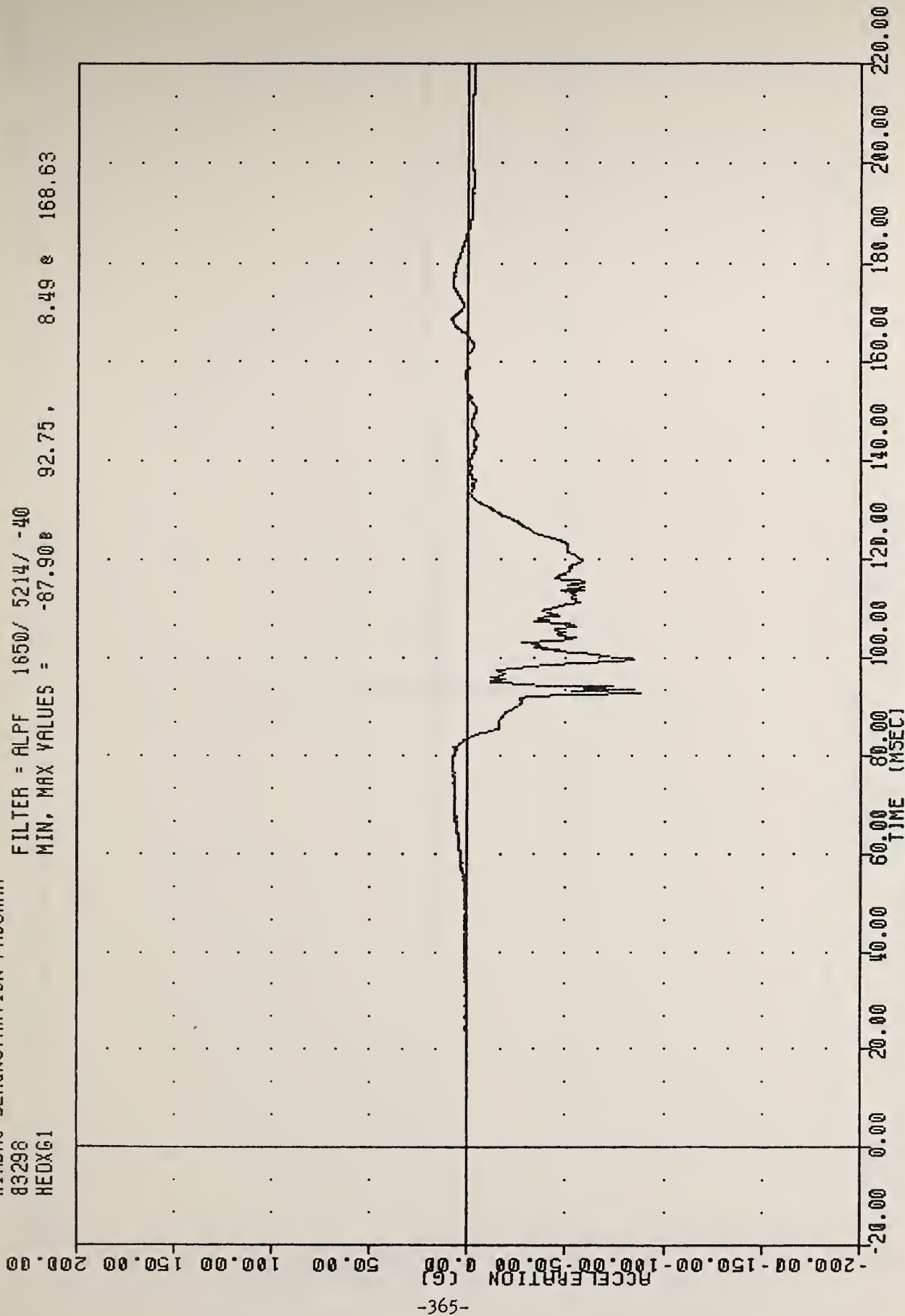
Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

AIRBAG DEMONSTRATION PROGRAM
83296
HEDXG1

FILTER = ALPF 1650/ 5214/ -40
MIN, MAX VALUES = -87.908 92.75, 8.49 e 168.63

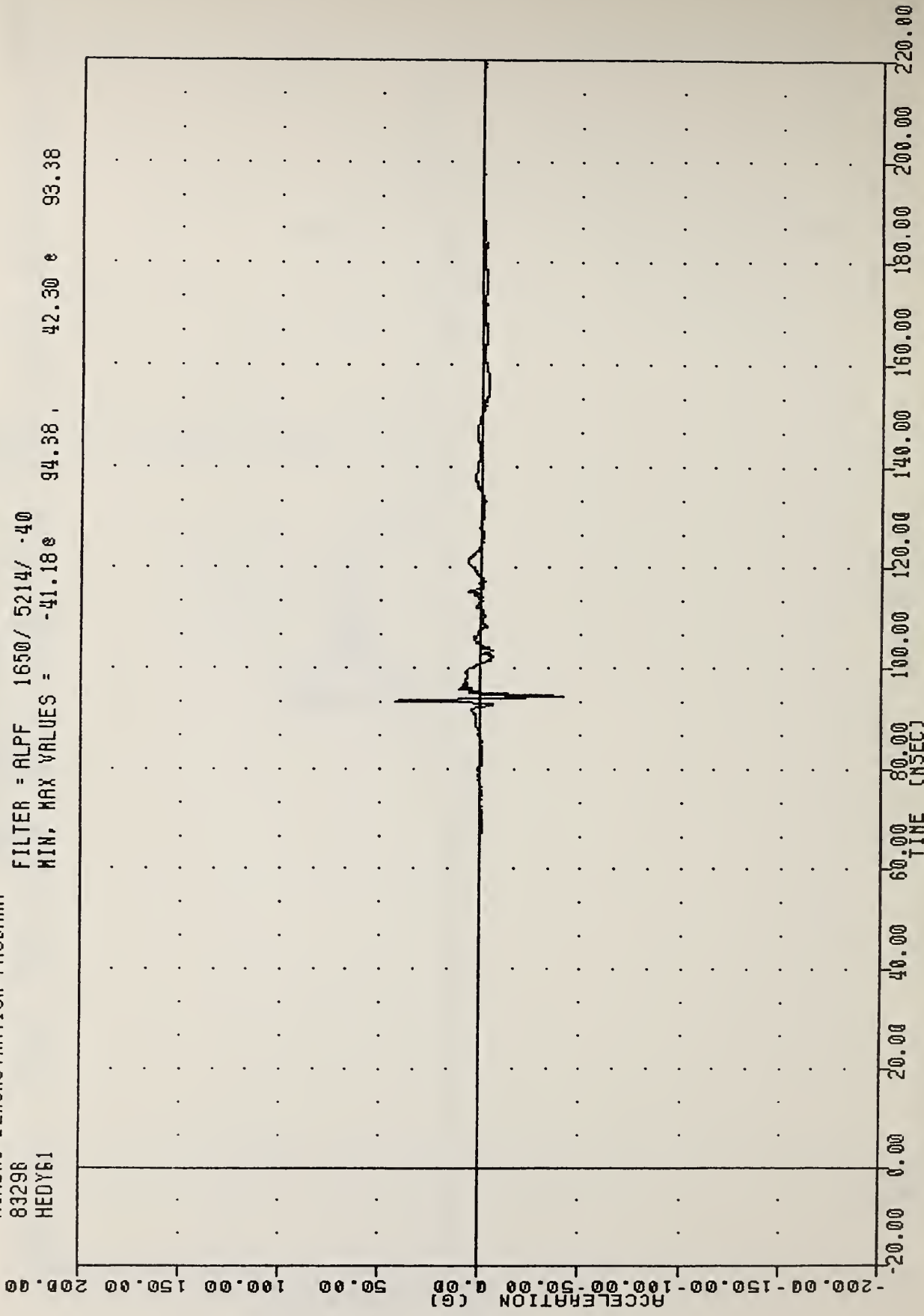


AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION X AXIS 50TH PERCENTILE

VATC RD583-2-12
AIRBAG DEMONSTRATION PROGRAM
83296
HEDY61

PLOT DATE 25-OCT-83 13:00:21

FILTER = ALPF 1650/ 5214/ .40
MIN, MAX VALUES = -41.18e 94.38 , 42.30 e 93.38



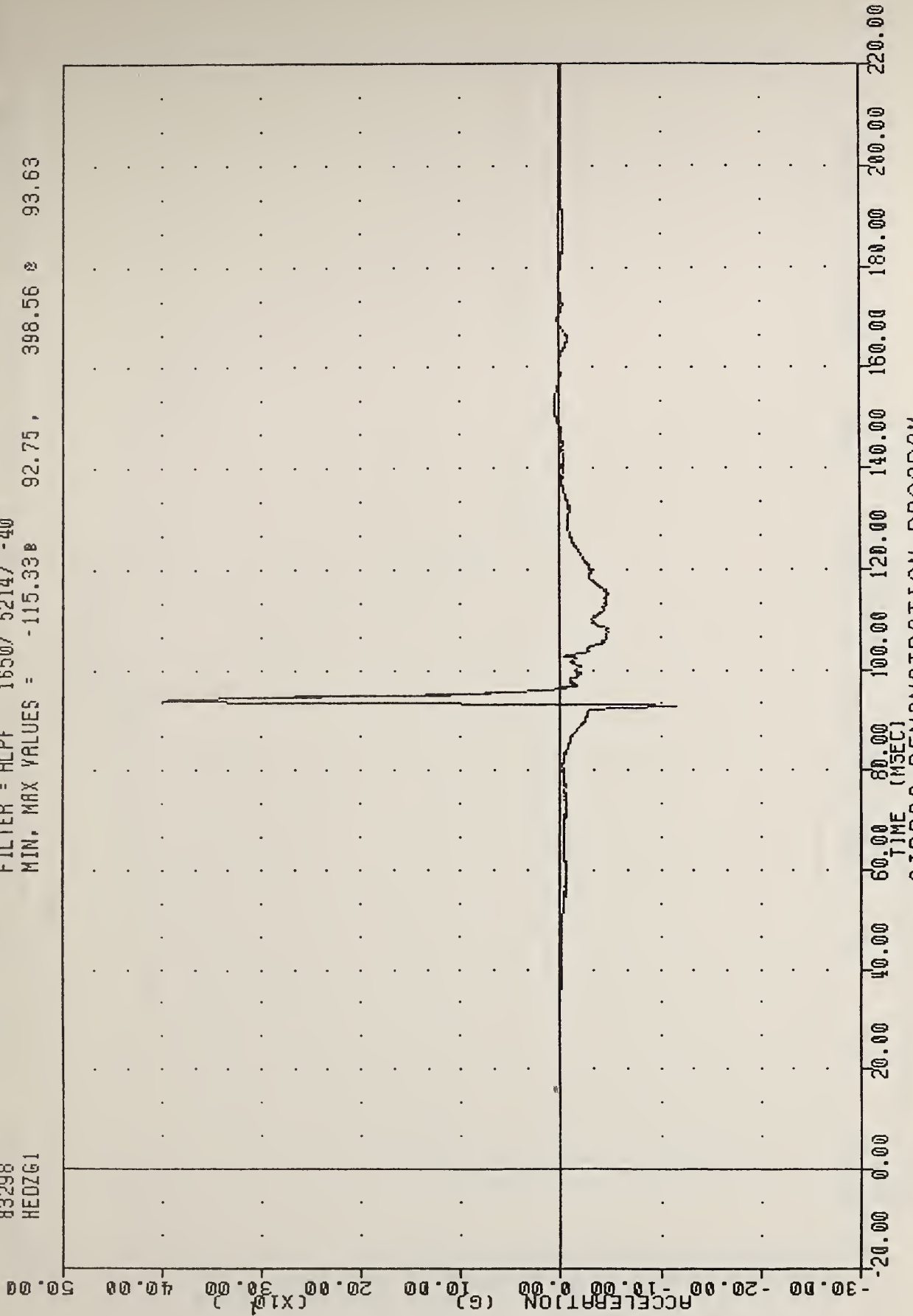
AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

VRTC R0583-2-12
AIRBAG DEMONSTRATION PROGRAM
83298
HEDZG1

PLOT DATE 25-OCT-83 13:30:51

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -115.33 92.75 , 398.56 93.63



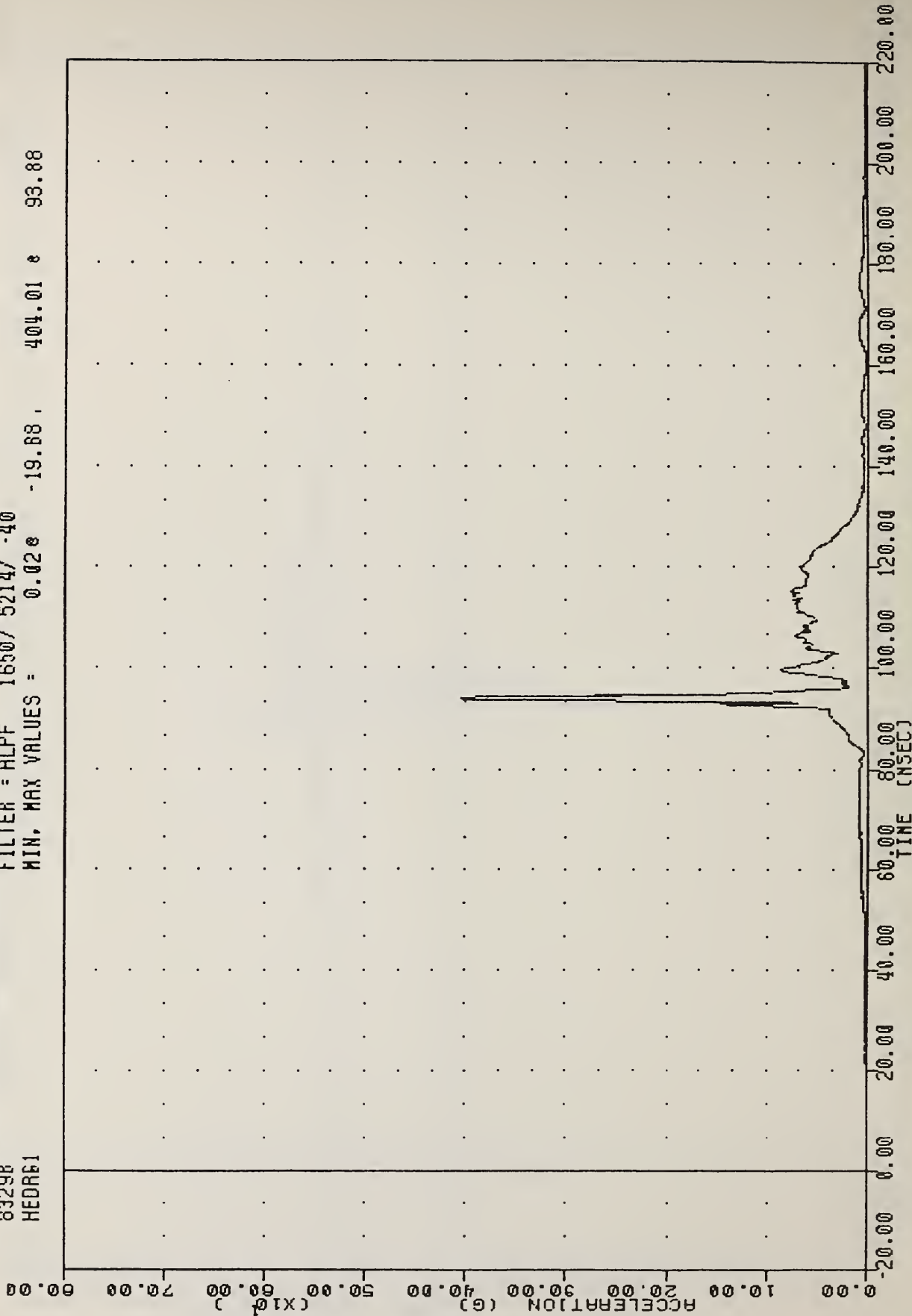
AIRBAG DEMONSTRATION PROGRAM
HEAD ACCELERATION Z AXIS 50TH PERCENTILE

VATC RD583-2-12
AIRBAG DEMONSTRATION PROGRAM
83298
HEDR61

PLOT DATE 25-OCT-83 13:30:51

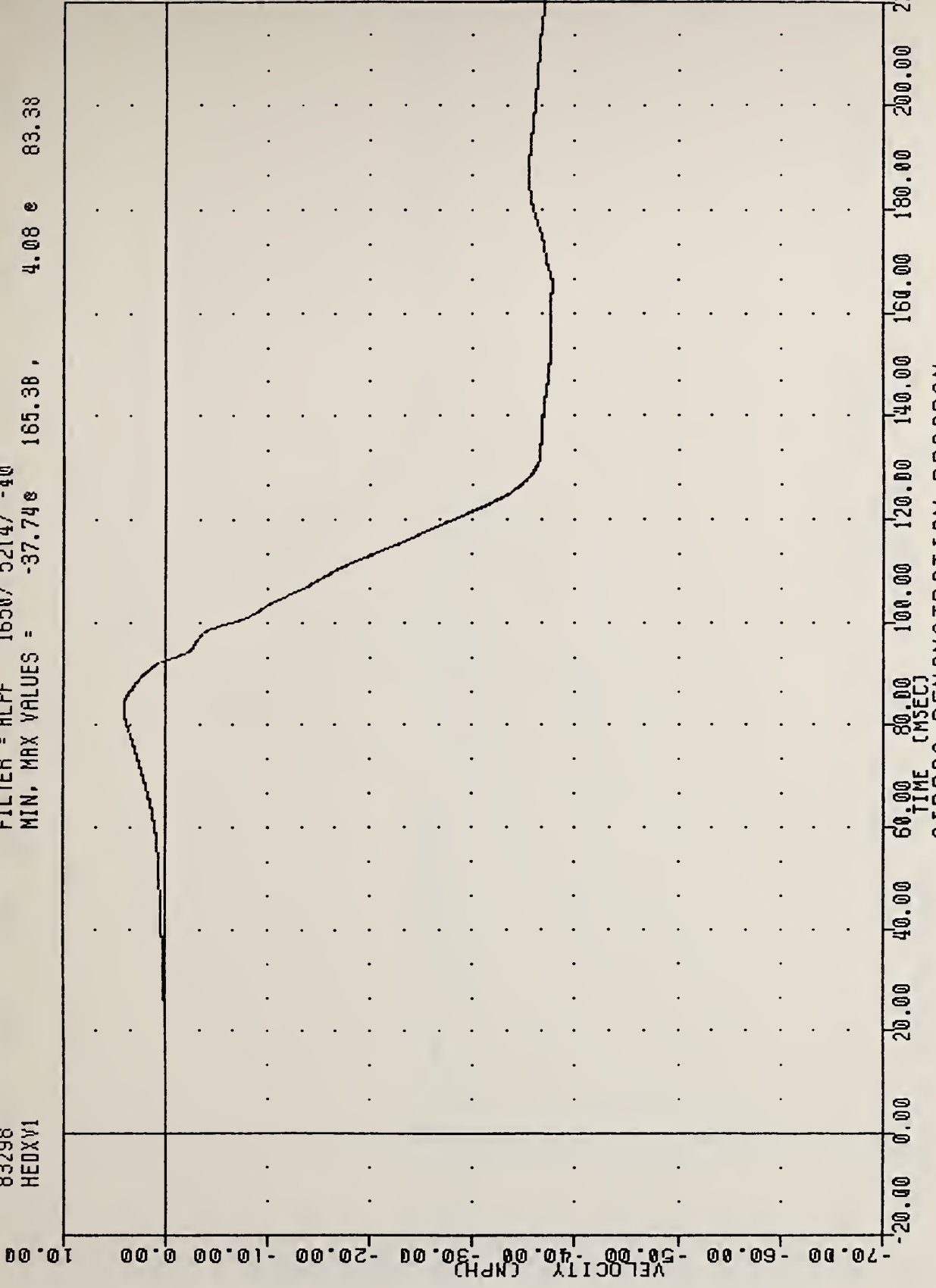
FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.02e -19.88 , 404.01 e 93.88



AIRBAG DEMONSTRATION PROGRAM
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

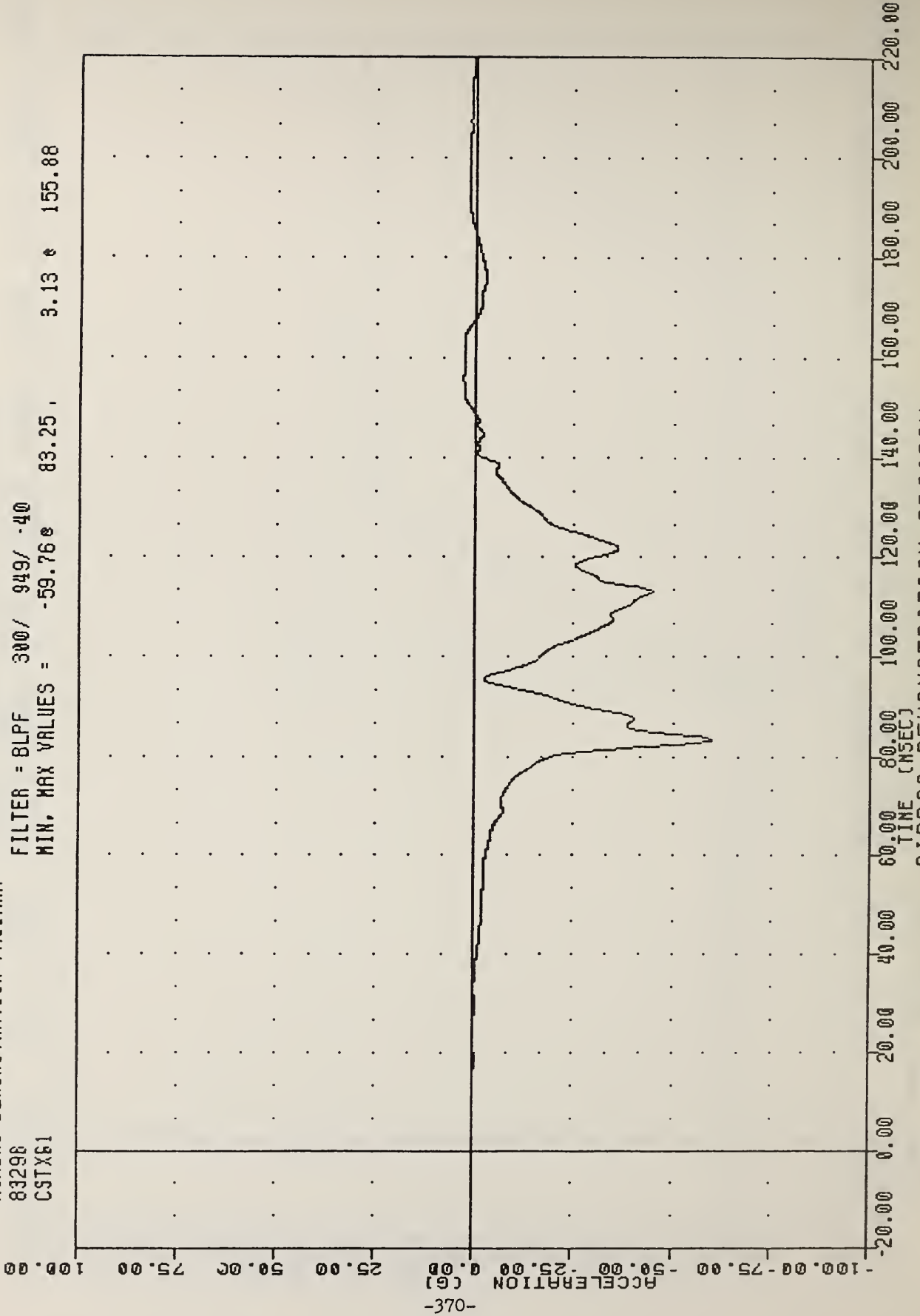
VRIC RD583-2-12 PLOT DATE 25-OCT-83 13:00:21
 AIRBAG DEMONSTRATION PROGRAM
 83298 FILTER = ALPF 1650/ 5214/ -40
 HEDXV1 MIN, MAX VALUES = -37.74e 165.38, 4.08 e 83.38



AIRBAG DEMONSTRATION PROGRAM
 HEAD VELOCITY X AXIS 50TH PERCENTILE

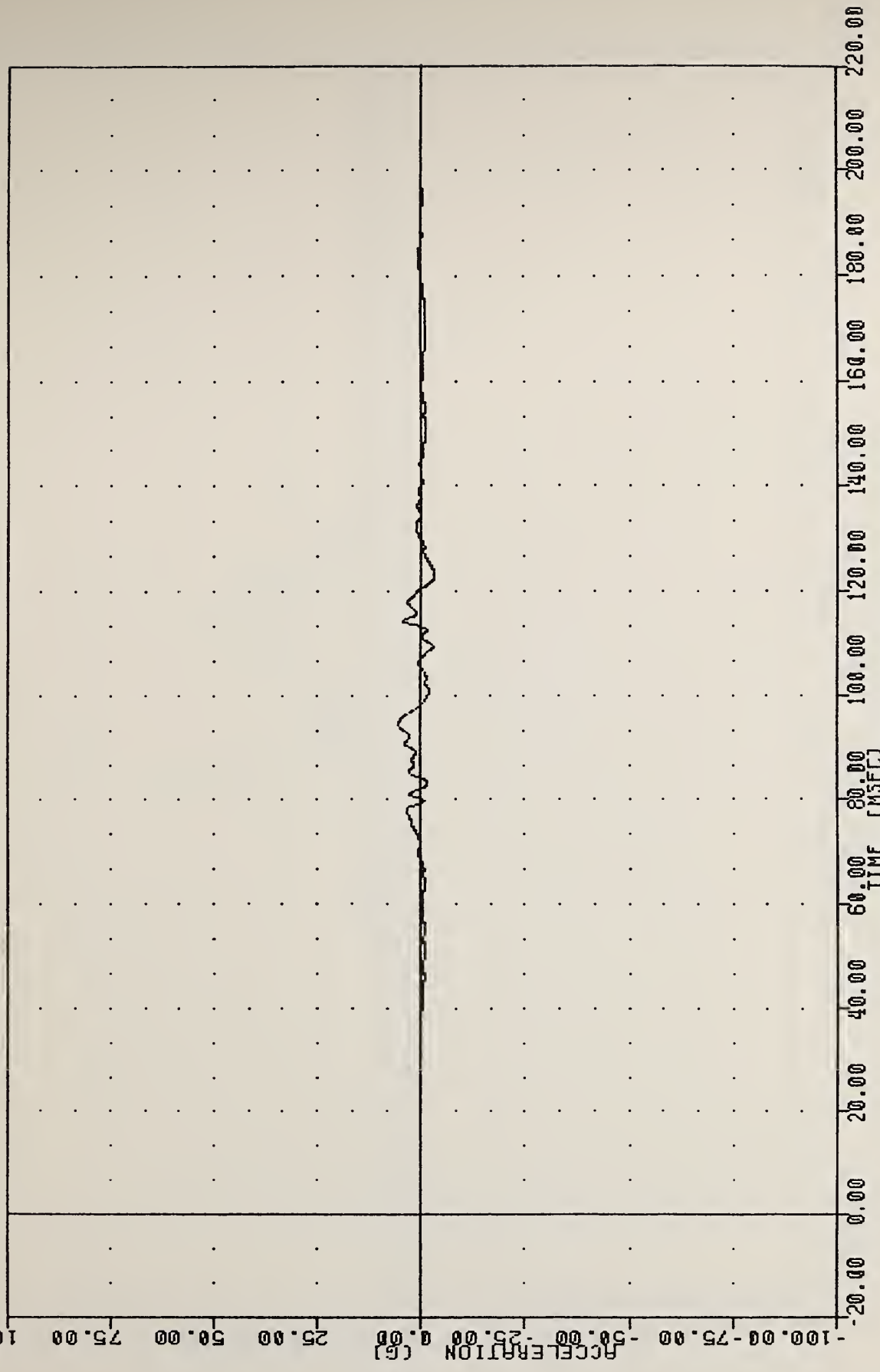
AIRBAG DEMONSTRATION PROGRAM
83298
CSTX61

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -59.76e 83.25, 3.13 e 155.88



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 50TH PERCENTILE

VRTC RD583-2-12 PLOT DATE 25-OCT-83 13:00:21
 AIRBAG DEMONSTRATION PROGRAM
 83298 FILTER = 8LPF 300/ 949/ -40
 CSTYG1 MIN, MAX VALUES = -3.01e 123.13, 5.32 e 94.50

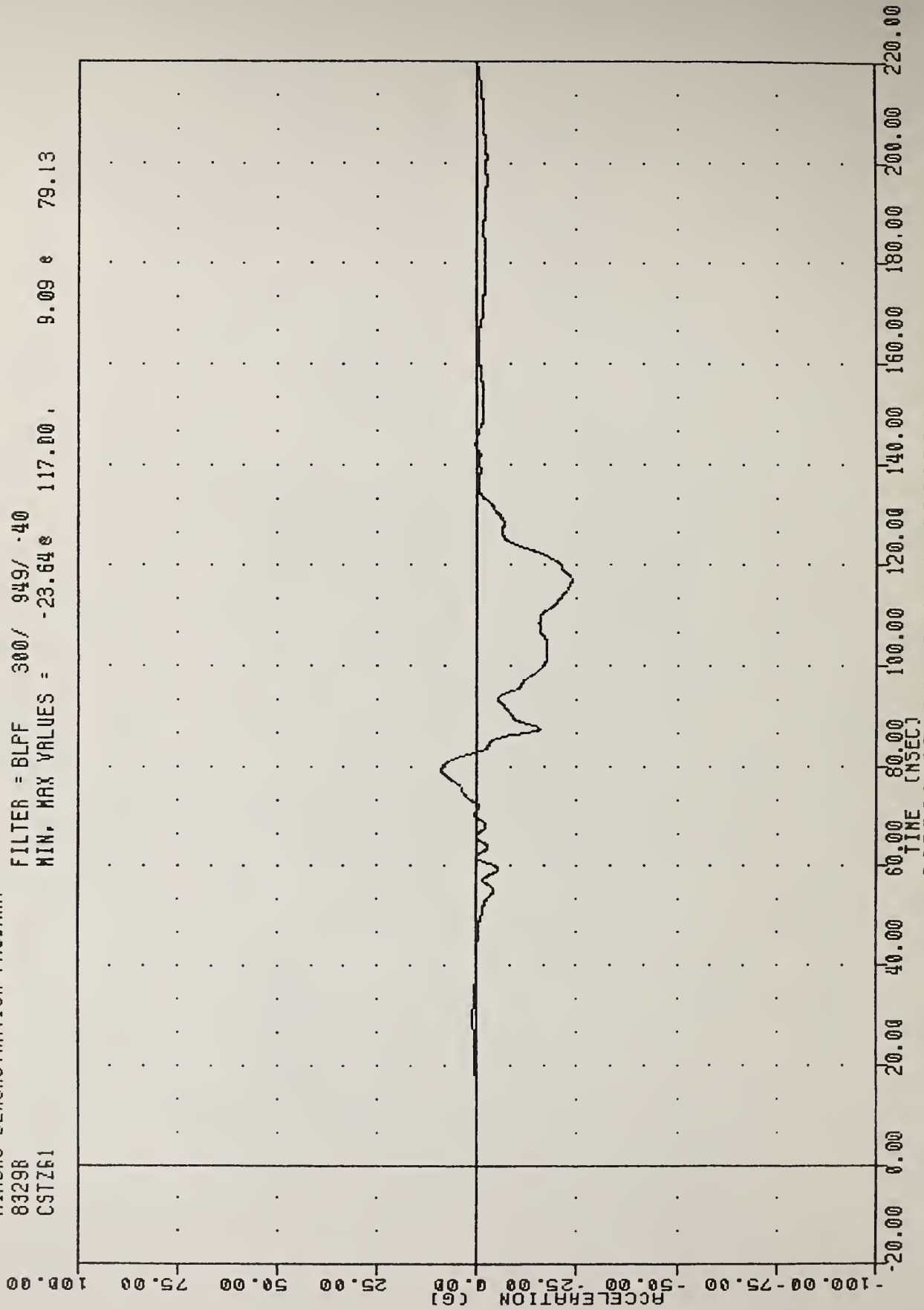


AIRBAG DEMONSTRATION PROGRAM
 CHEST ACCELERATION Y AXIS 50TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83298
CSTZ61

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -23.64 e 117.00 , 9.09 e 79.13



AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

RD583-2-12 PLOT DATE 25-OCT-83 13:00:21

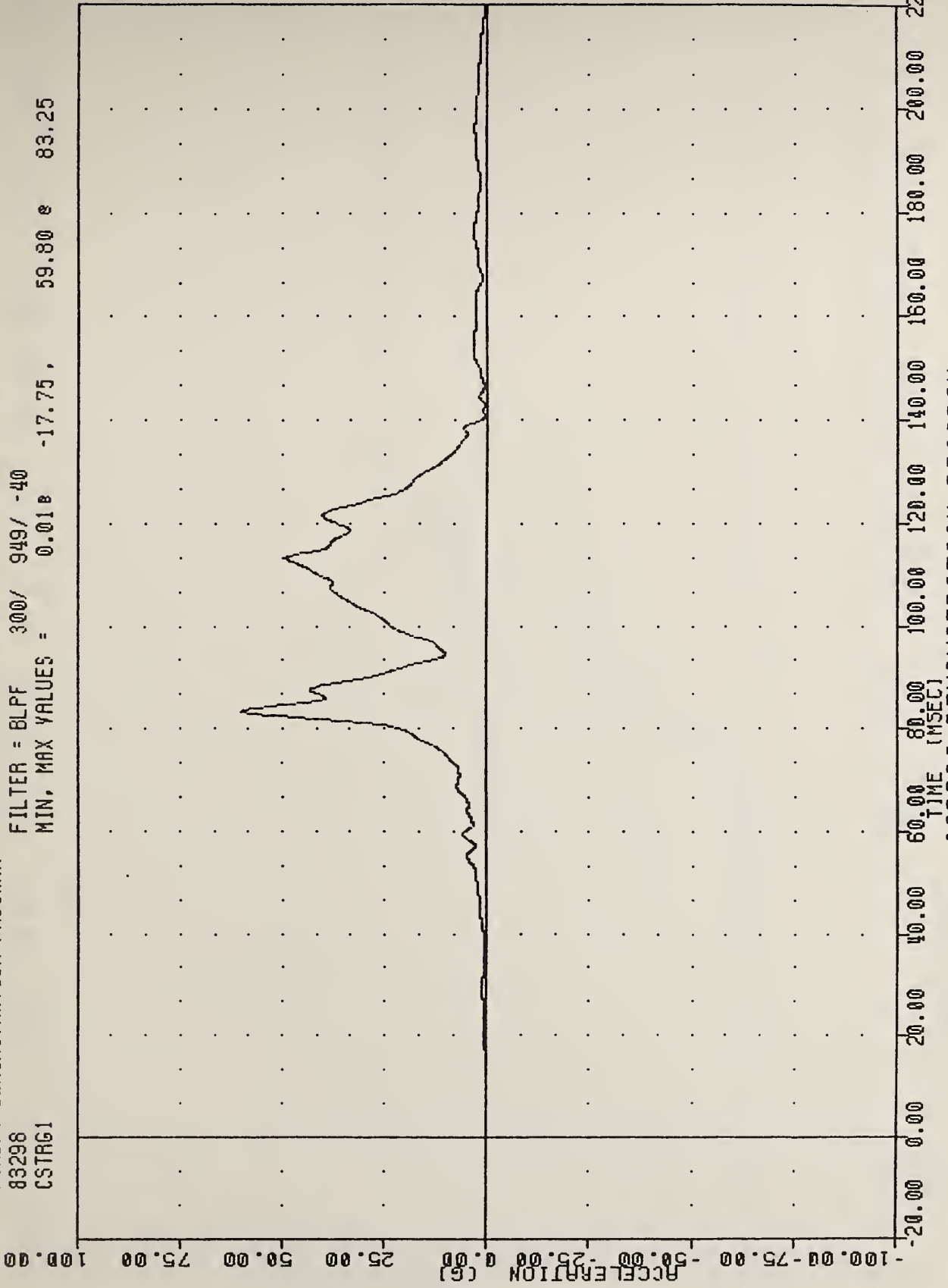
AIRBAG DEMONSTRATION PROGRAM

83298

CSTRG1

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.018 -17.75, 59.80 e 83.25

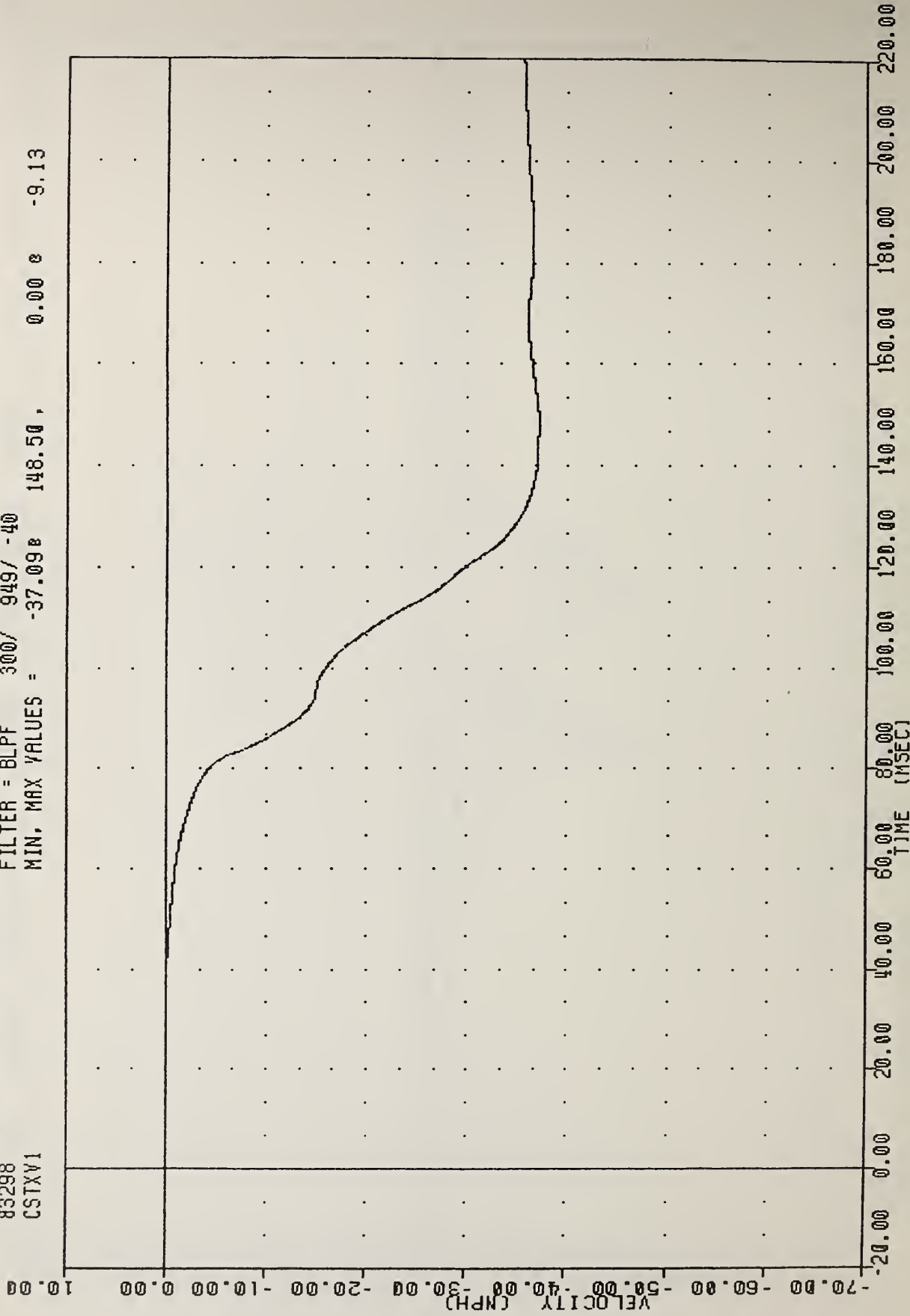


AIRBAG DEMONSTRATION PROGRAM
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

VRTC RD583-2-12
AIRBAG DEMONSTRATION PROGRAM
83298
CSTXV1

PLOT DATE 25-OCT-83 13:00:21

FILTER = BLPF 300/ 949/ -40
MIN, MAX VALUES = -37.09E 148.50, 0.00 E -9.13



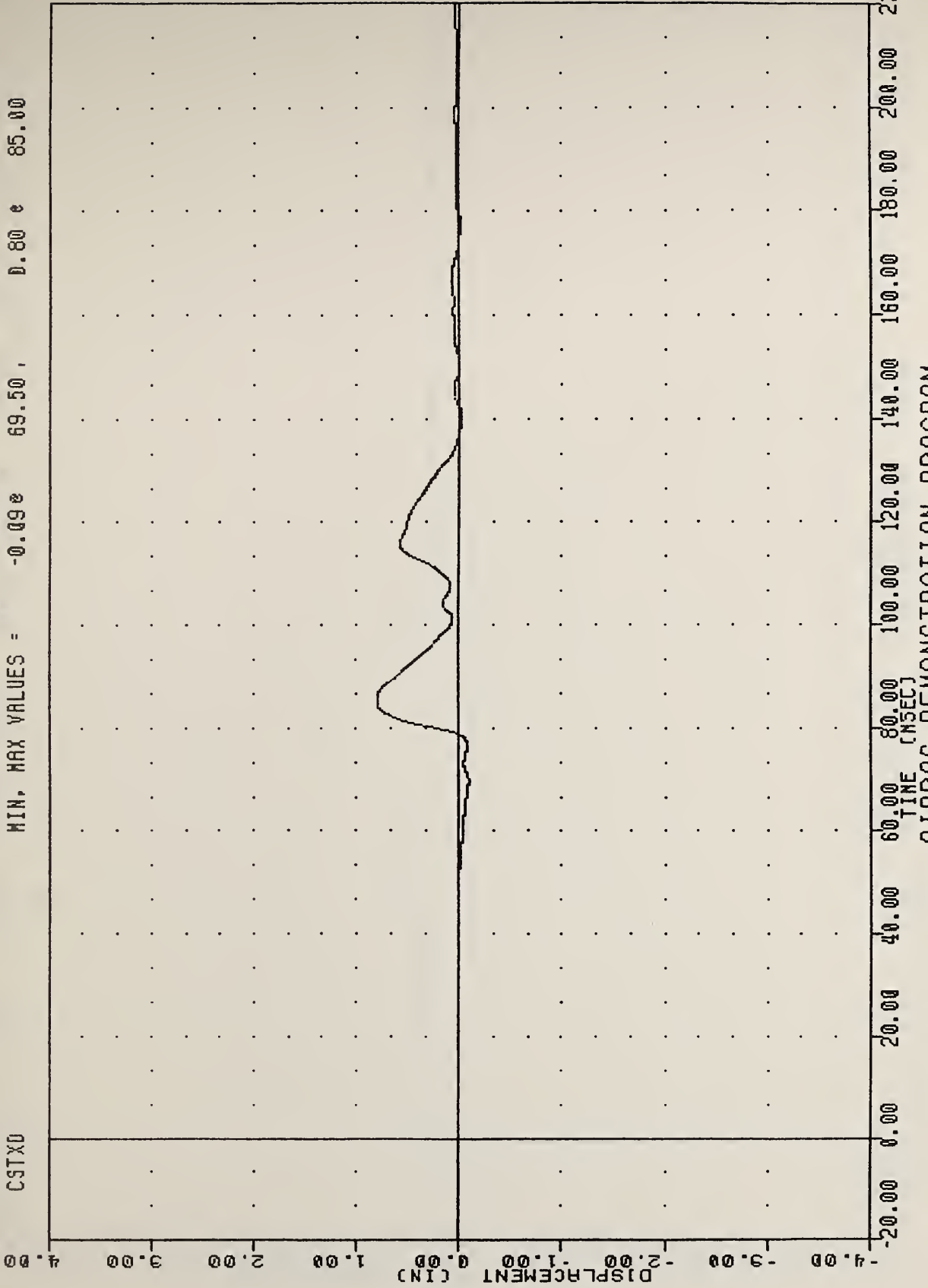
AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 50TH PERCENTILE

VRTC RD583-2-12
AIRBAG DEMONSTRATION PROGRAM
83298
CSTX0

PLOT DATE 25-OCT-83 13:00:21

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -0.09e 69.50 , D.80 e 85.00



AIRBAG DEMONSTRATION PROGRAM

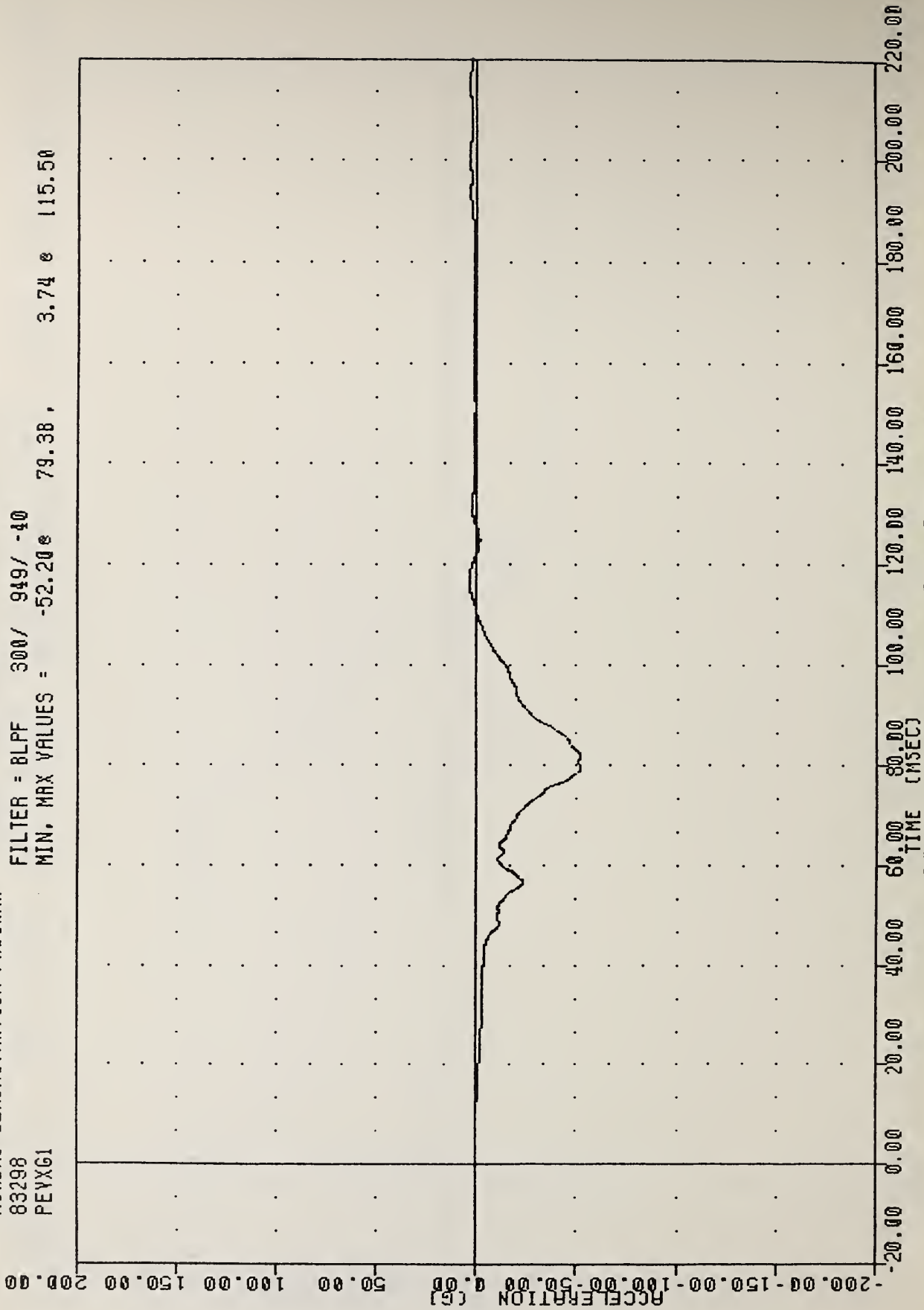
83298

PEYX61

FILTER = 8LPF 300/ 949/ -40

MIN. MAX VALUES = -52.20 79.38 ,

3.74 115.50

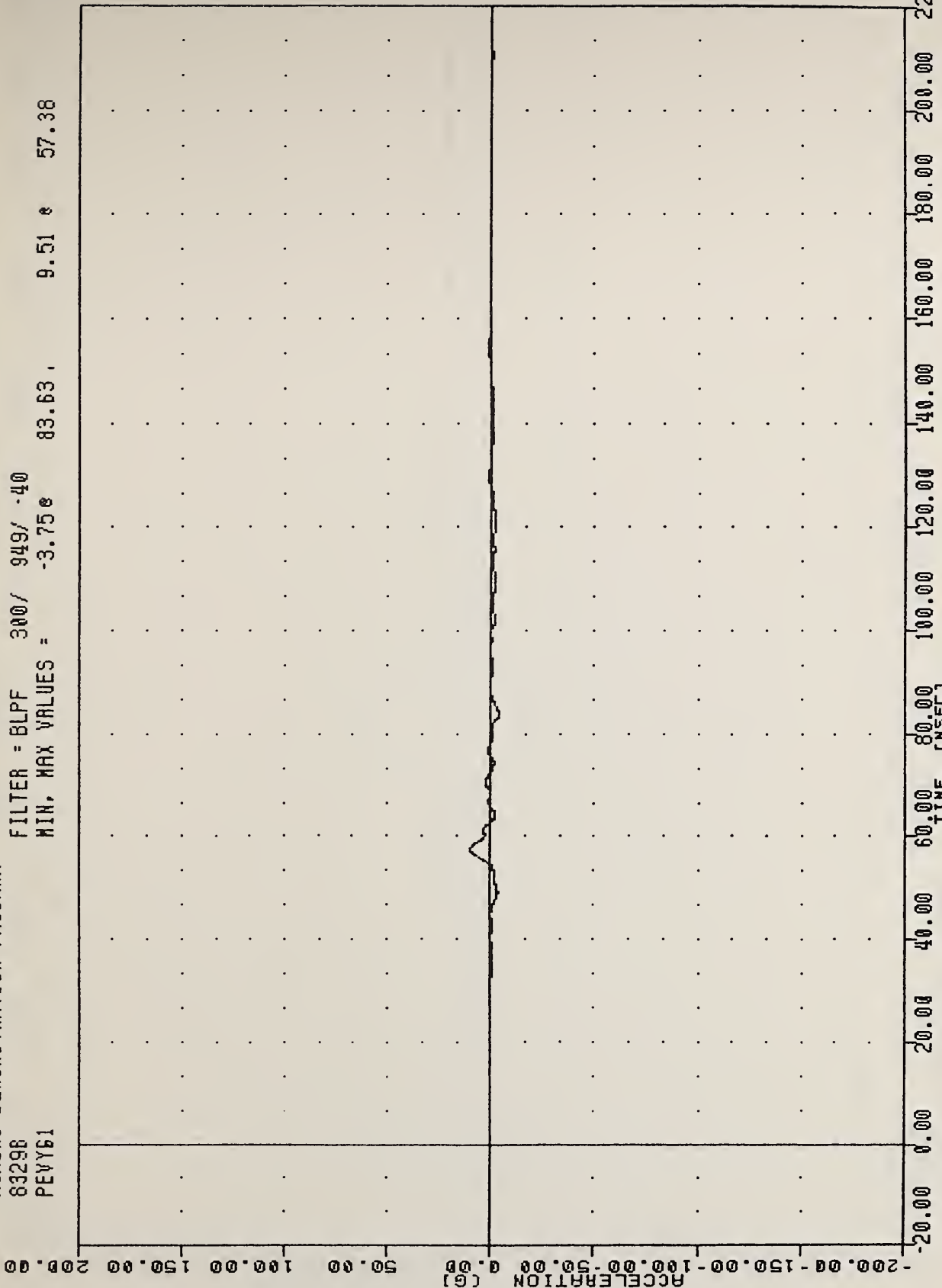


AIRBAG DEMONSTRATION PROGRAM

PELVIS ACCELERATION X AXIS 50TH PERCENTILE

VRTC RD583-2-12
 AIRBAG DEMONSTRATION PROGRAM
 83298
 PEVY61

PLOT DATE 25-OCT-83 13:00:21
 FILTER = BLPF 300/ 949/ -40
 MIN, MAX VALUES = -3.75e 83.63, 9.51 e 57.38



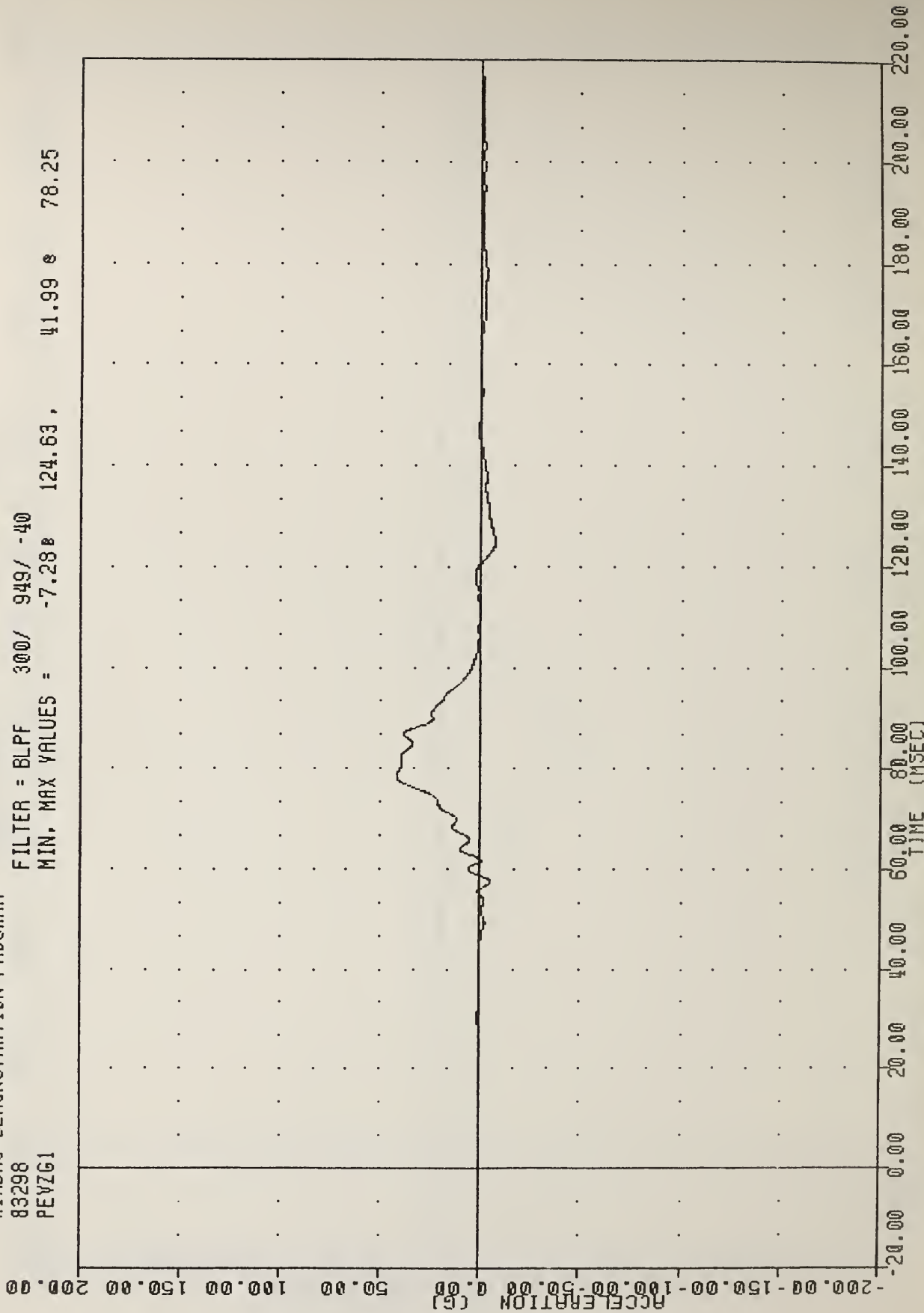
AIRBAG DEMONSTRATION PROGRAM
 PELYIS ACCELERATION Y AXIS 50TH PERCENTILE

VRTC R0583-2-12
AIRBAG DEMONSTRATION PROGRAM
83298
PEVZG1

PLOT DATE 25-OCT-83 13:00:21

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -7.28B 124.63, 41.99 s 78.25



AIRBAG DEMONSTRATION PROGRAM

PFI VTS ACCELERATION 7 AVTS 50TH PERCENTILE

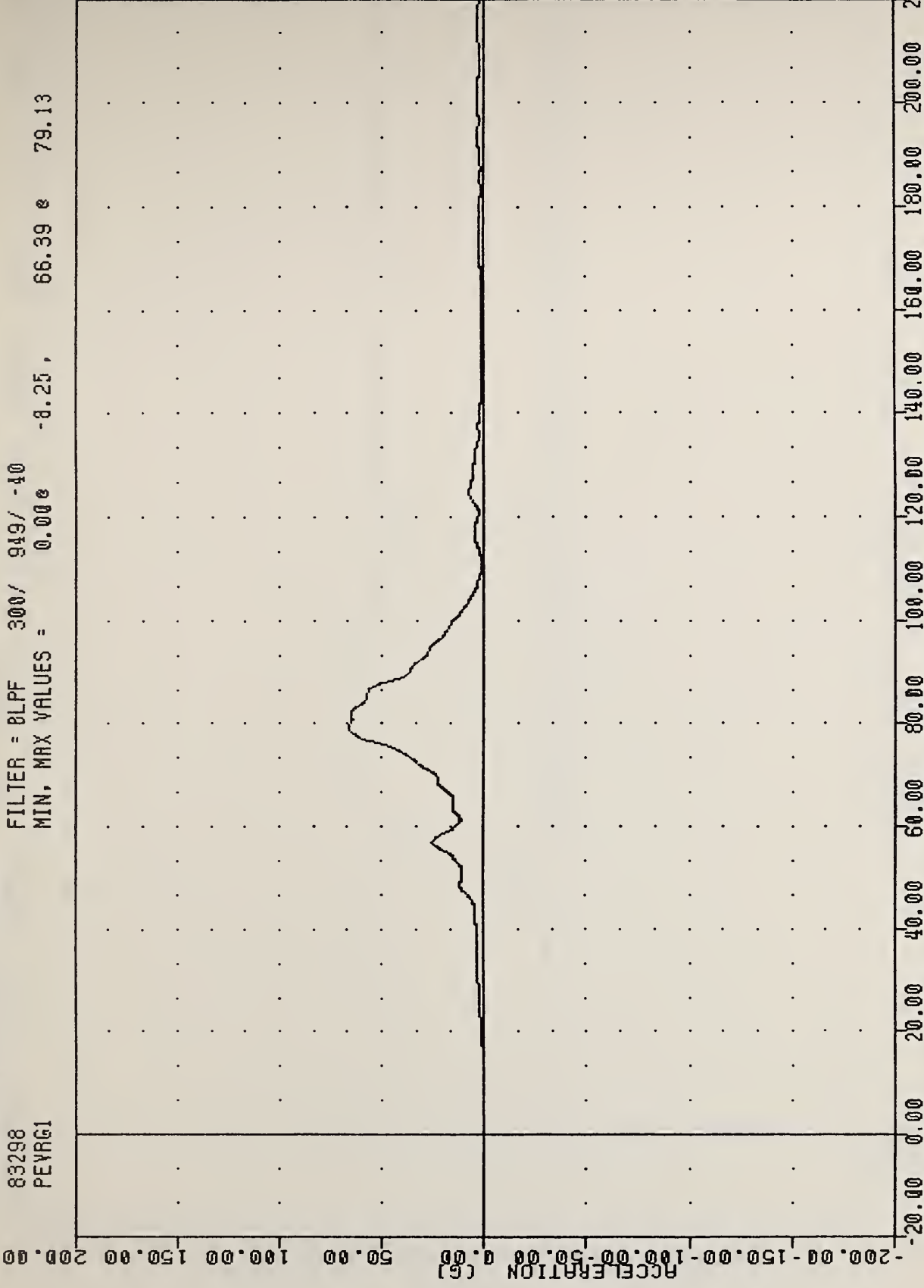
RD583-2-12 PLOT DATE 25-OCT-83 13:00:21

AIRBAG DEMONSTRATION PROGRAM

FILTER = 8LPF 300/ 949/ -40

MIN, MAX VALUES = 0.00e -8.25, 66.39 e 79.13

83298 PEYRG1

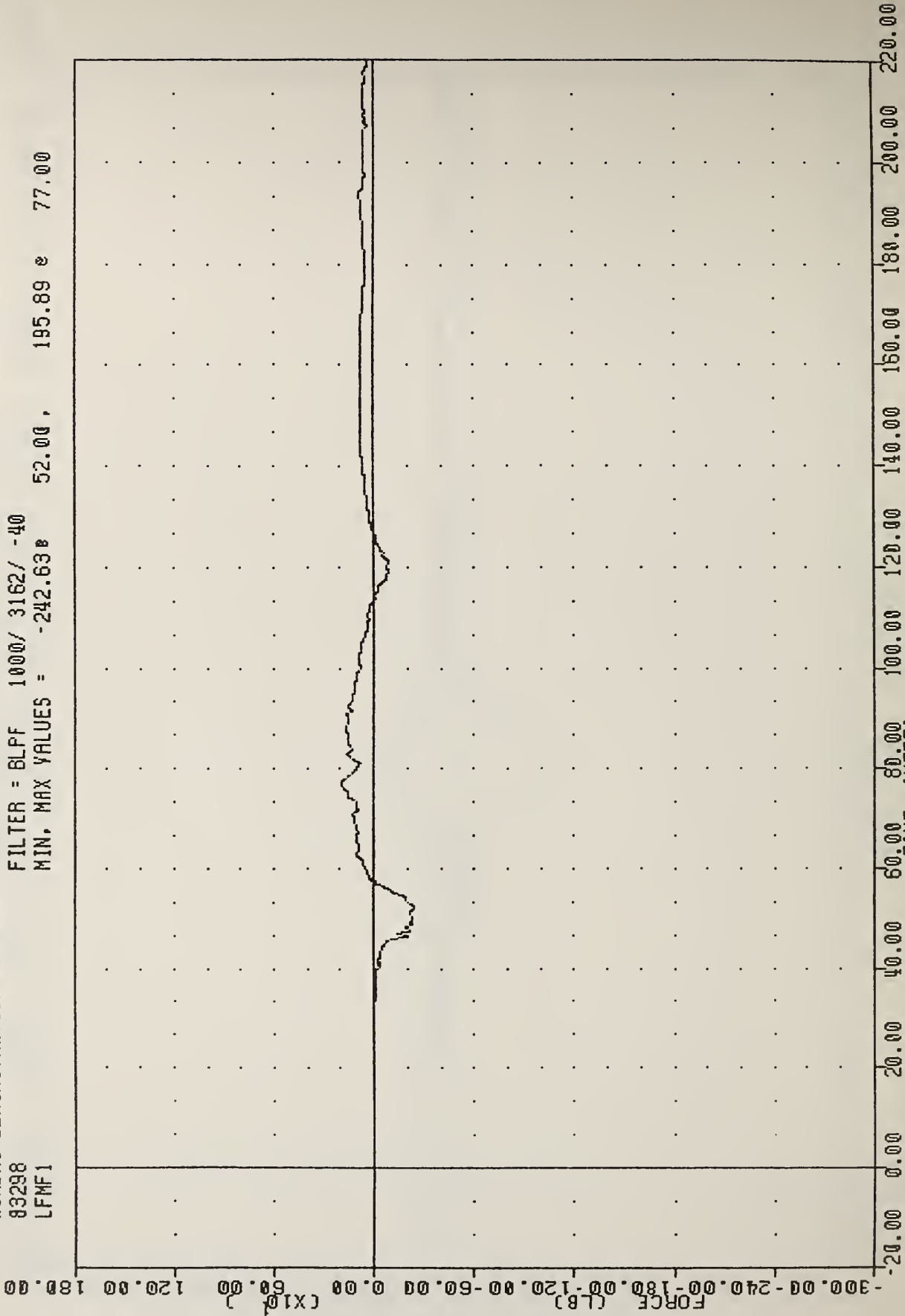


AIRBAG DEMONSTRATION PROGRAM
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

VRTC R0583-2-12
AIRBAG DEMONSTRATION PROGRAM
83298
LFMF1

PLOT DATE 25-OCT-83 13:00:21

FILTER = BLPF 1000/ 3162/ -40
MIN, MAX VALUES = -242.63B 52.00, 195.89 e 77.00



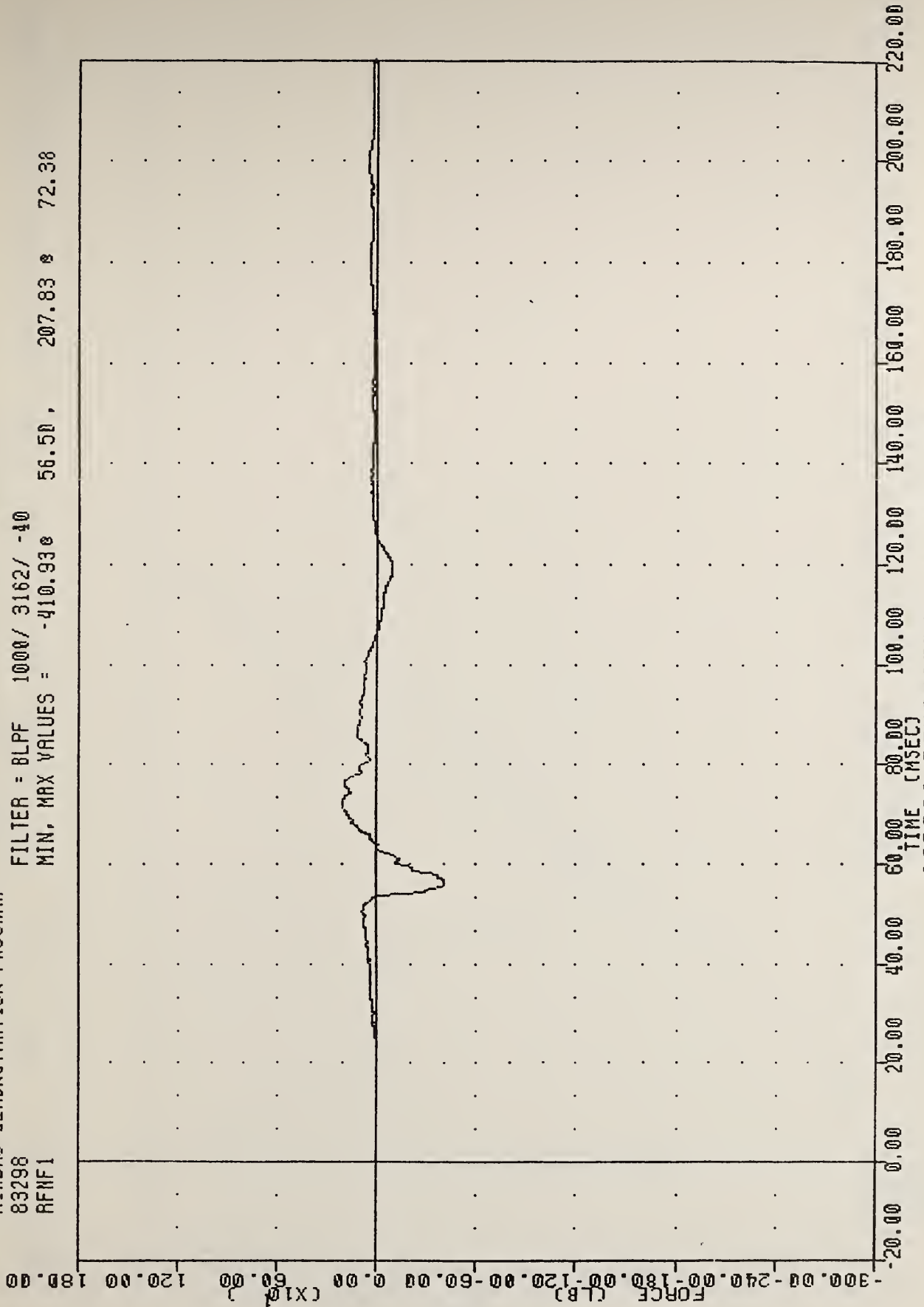
AIRBAG DEMONSTRATION PROGRAM
LEFT FEMUR FORCF IN 1RS 50TH PERCENTILE

VRTC RD583-2-12
AIRBAG DEMONSTRATION PROGRAM
83298
RFNF1

PLOT DATE 25-OCT-83 13:00:21

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -410.93e 56.50, 207.83 e 72.38

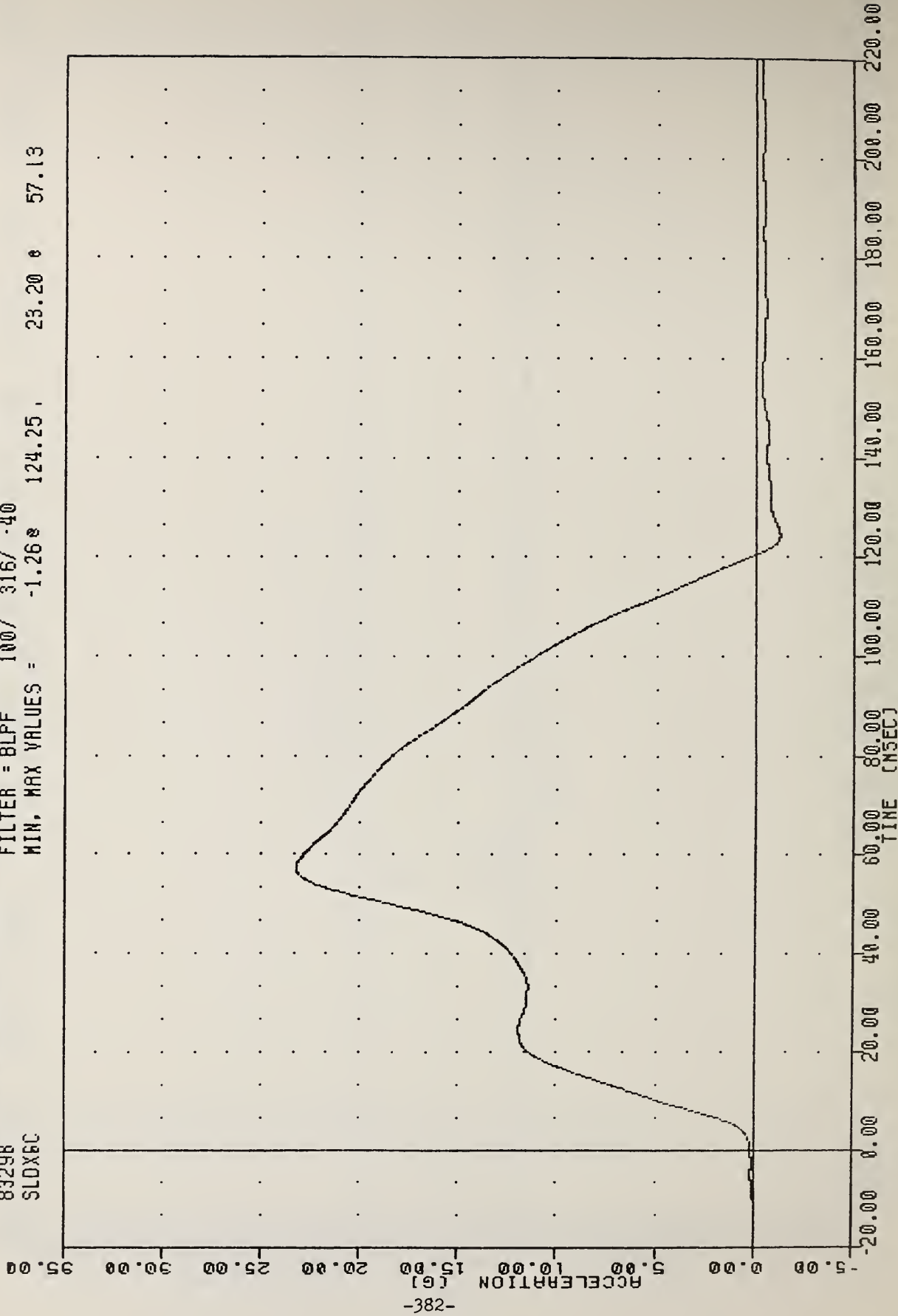


AIRBAG DEMONSTRATION PROGRAM
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

WATC RD583-2-12
AIRBAG DEMONSTRATION PROGRAM
83298
SLDX6C

PLOT DATE 25-OCT-83 13:00:21

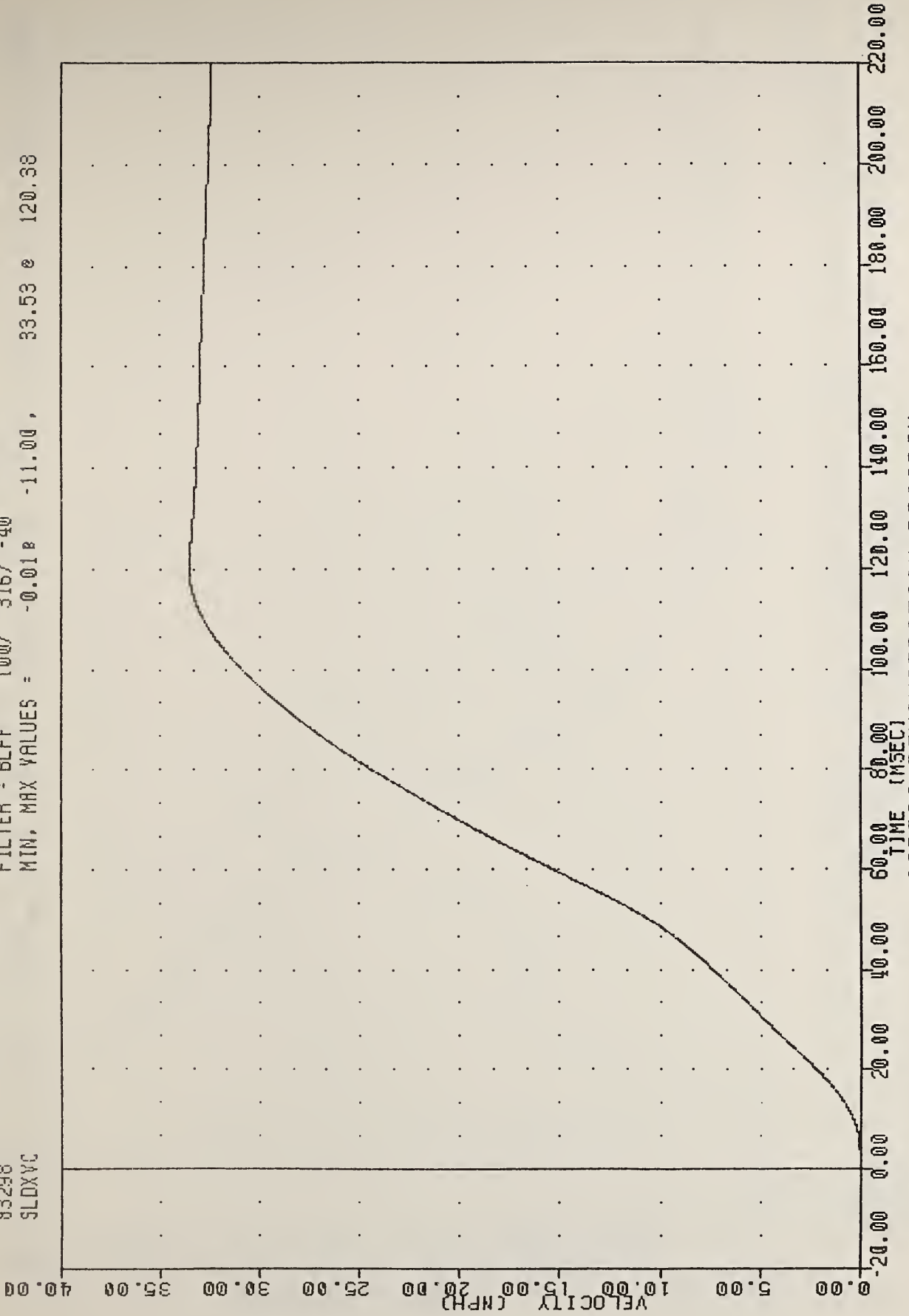
FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -1.26e 124.25, 23.20 e 57.13



AIRBAG DEMONSTRATION PROGRAM
SLED ACCELERATION

VRTC R0583-2-12
AIRBAG DEMONSTRATION PROGRAM
83298
SLDXYC

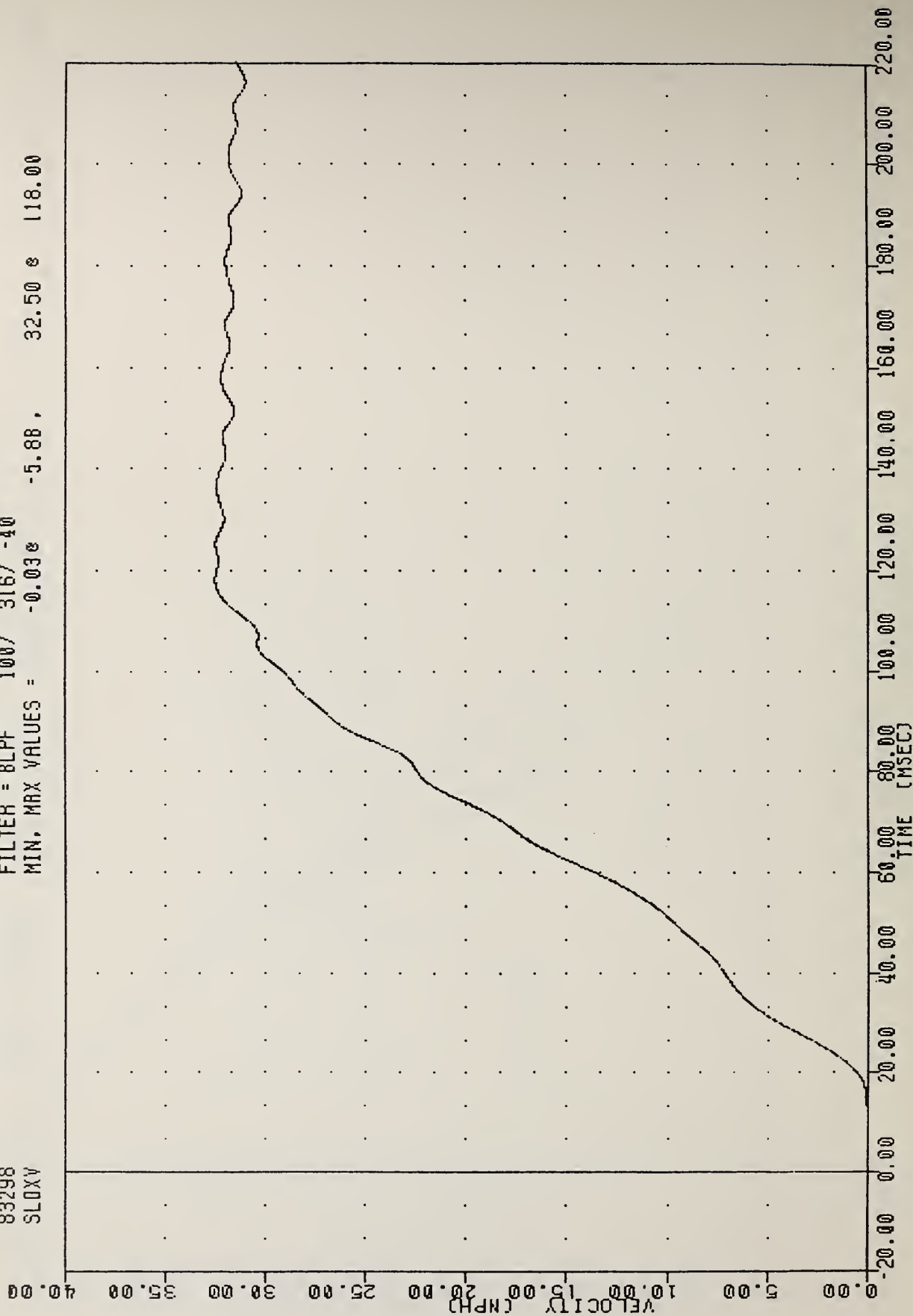
PLOT DATE 25-OCT-83 13:00:21
FILTER = BLFF 100/ 316/ -40
MIN, MAX VALUES = -0.018 -11.00 , 33.53 e 120.38



AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SLED VELOCITY

AIRBAG DEMONSTRATION PROGRAM
83298
SLOXY

FILTER = 8LPF 100/ 316/ -40
MIN. MAX VALUES = -0.03e 32.50 e 118.00
-5.88 ,



AIRBAG DEMONSTRATION PROGRAM
SLED VELOCITY

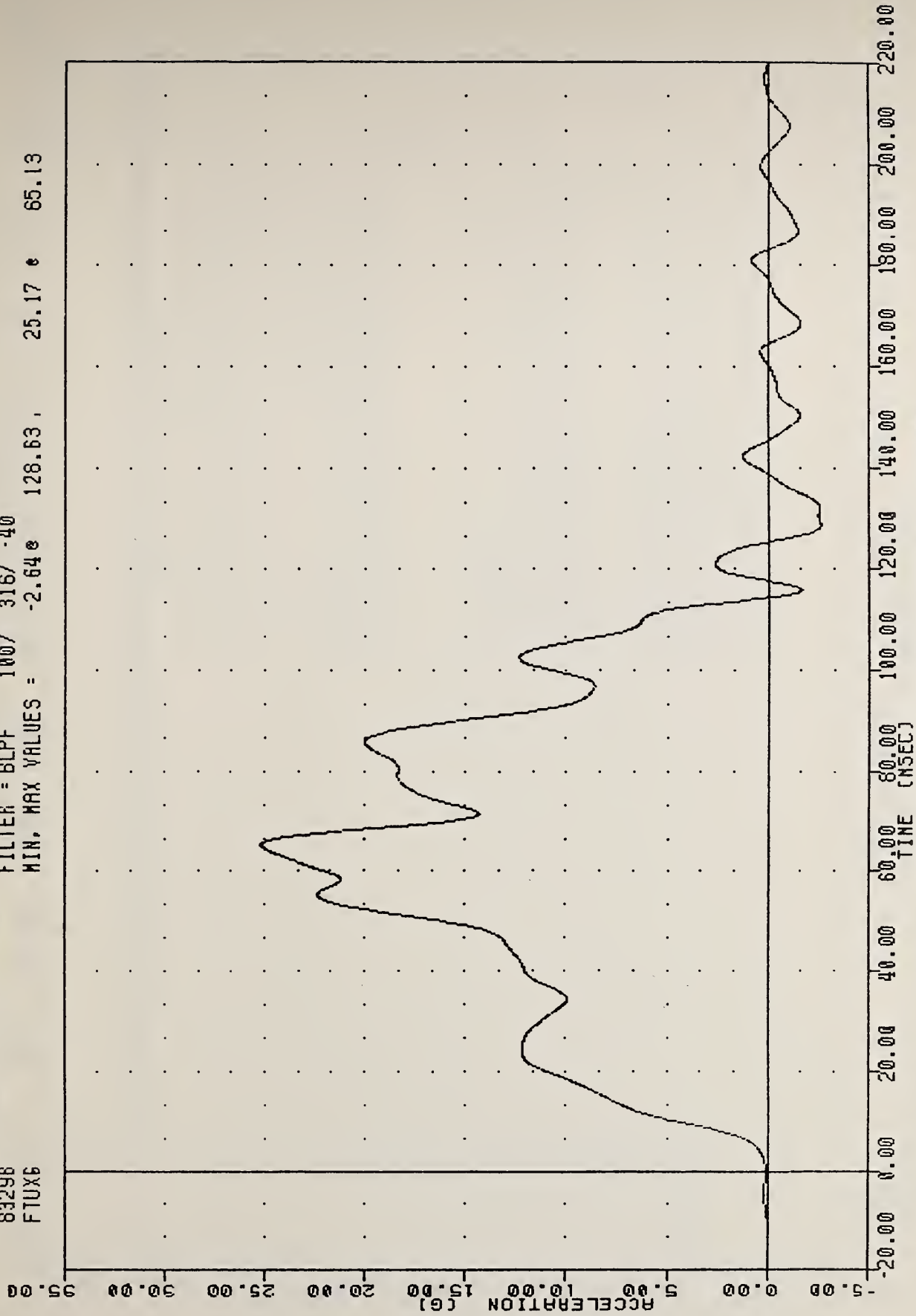
AIRBAG DEMONSTRATION PROGRAM

83298

FTUX6

FILTER = BLPF 100/ 316/ -40

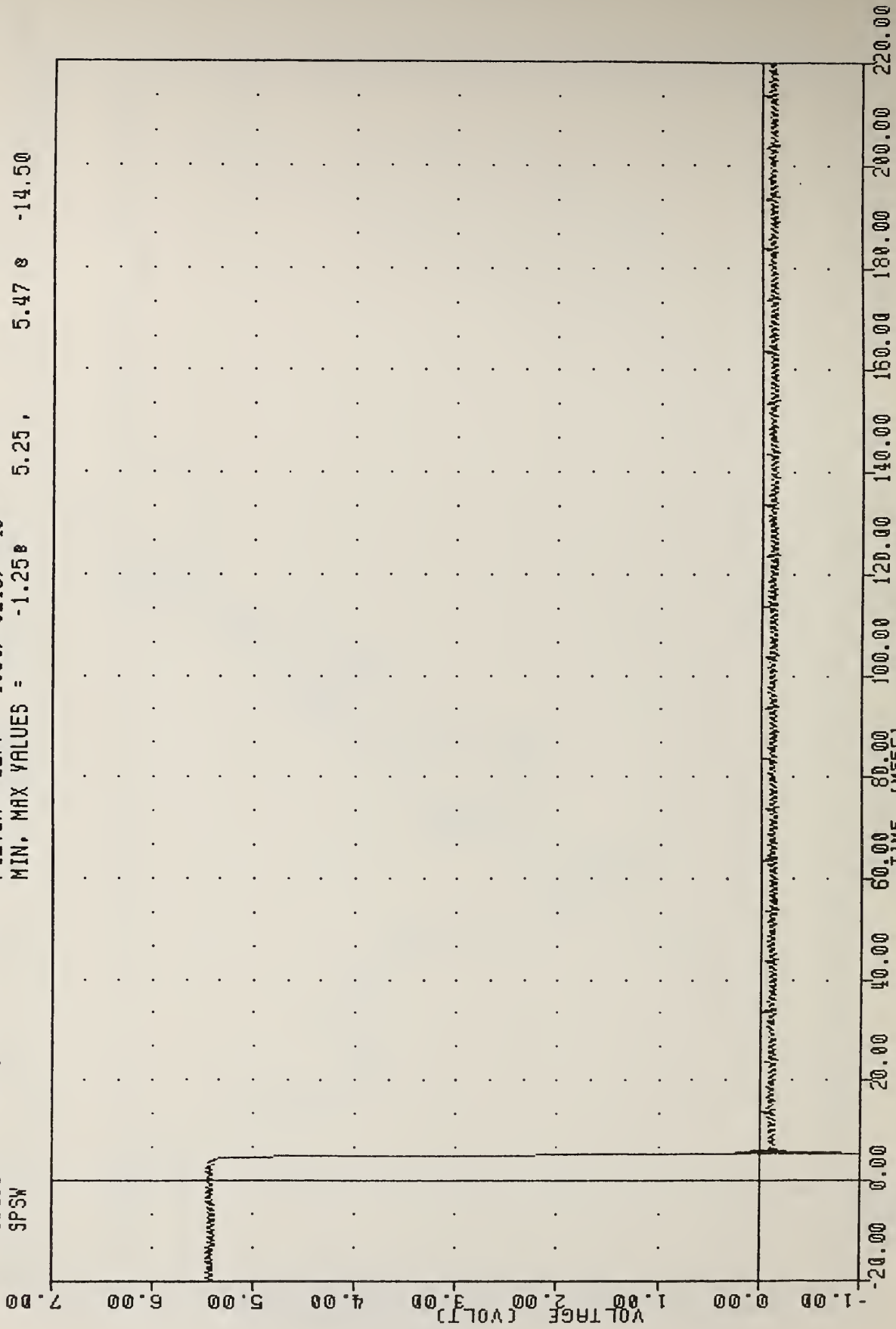
MIN, MAX VALUES = -2.64e 128.63, 25.17 e 65.13



AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNNEL ACCELERATION

AIRBAG DEMONSTRATION PROGRAM
 83298
 SPSW

FILTER = BLPF 1650/ 5218/ -40
 MIN. MAX VALUES = -1.25 5.25, 5.47 8 -14.50



AIRBAG DEMONSTRATION PROGRAM
 SLED POSITION SWITCH

DEMONSTRATION PROGRAM

0.0 mph

83299

VRTC

RD583-2-13

26-OCT-83 15:35:46

	Min value		Max value		Uni
SPSW	-1.169 @ 5.500		5.446 @ -19.875	msec	volt
SLDXGC	-0.758 @ 123.625		23.421 @ 57.500	msec	g
SLDXVC	-0.010 @ -11.750		33.712 @ 120.625	msec	mph
SLDXV	-0.023 @ -22.750		32.761 @ 136.375	msec	mph
FTUXG	-2.731 @ 127.375		29.883 @ 82.625	msec	g
ABFT1	-0.749 @ 26.250		4.260 @ 18.875	msec	volt
HEDXG3	-49.109 @ 88.500		129.420 @ 182.000	msec	g
HEDXV3	-42.463 @ 163.375		0.371 @ 41.125	msec	mph
HEDYG3	-37.733 @ 182.000		3.093 @ 183.875	msec	g
HEDZG3	-67.150 @ 182.000		38.808 @ 91.625	msec	g
CSTXG3	-39.275 @ 93.625		5.663 @ 137.000	msec	g
CSTXV3	-34.513 @ 130.875		0.001 @ -8.875	msec	mph
CSTYG3	-7.795 @ 91.625		9.591 @ 94.375	msec	g
CSTZG3	-41.780 @ 91.125		8.860 @ 153.625	msec	g
PEVXG3	-69.011 @ 84.250		5.225 @ 92.125	msec	g
PEVYG3	-15.791 @ 71.875		19.171 @ 102.875	msec	g
PEVZG3	-9.352 @ 76.125		32.826 @ 87.000	msec	g
LFMF3	-1446.563 @ 94.000		558.662 @ 24.750	msec	lb
RFMF3	-555.754 @ 75.875		604.197 @ 24.750	msec	lb
HEDRG3	0.017 @ -24.750		150.607 @ 182.000	msec	g
CSTRG3	0.004 @ -8.875		43.801 @ 106.000	msec	g
PEVRG3	0.012 @ -8.500		74.105 @ 84.500	msec	g

* * * HIC computation for TRC221I 26-OCT-83 15:39:00

HEDRG3 VRTC RD583-2-13 83299 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 150.61 @ 182.000

HIC = 275.78 Interval from 68.375 [748] to 110.000 [1081]

HIC = 219.47 Interval from 181.250 [1651] to 182.750 [1663]

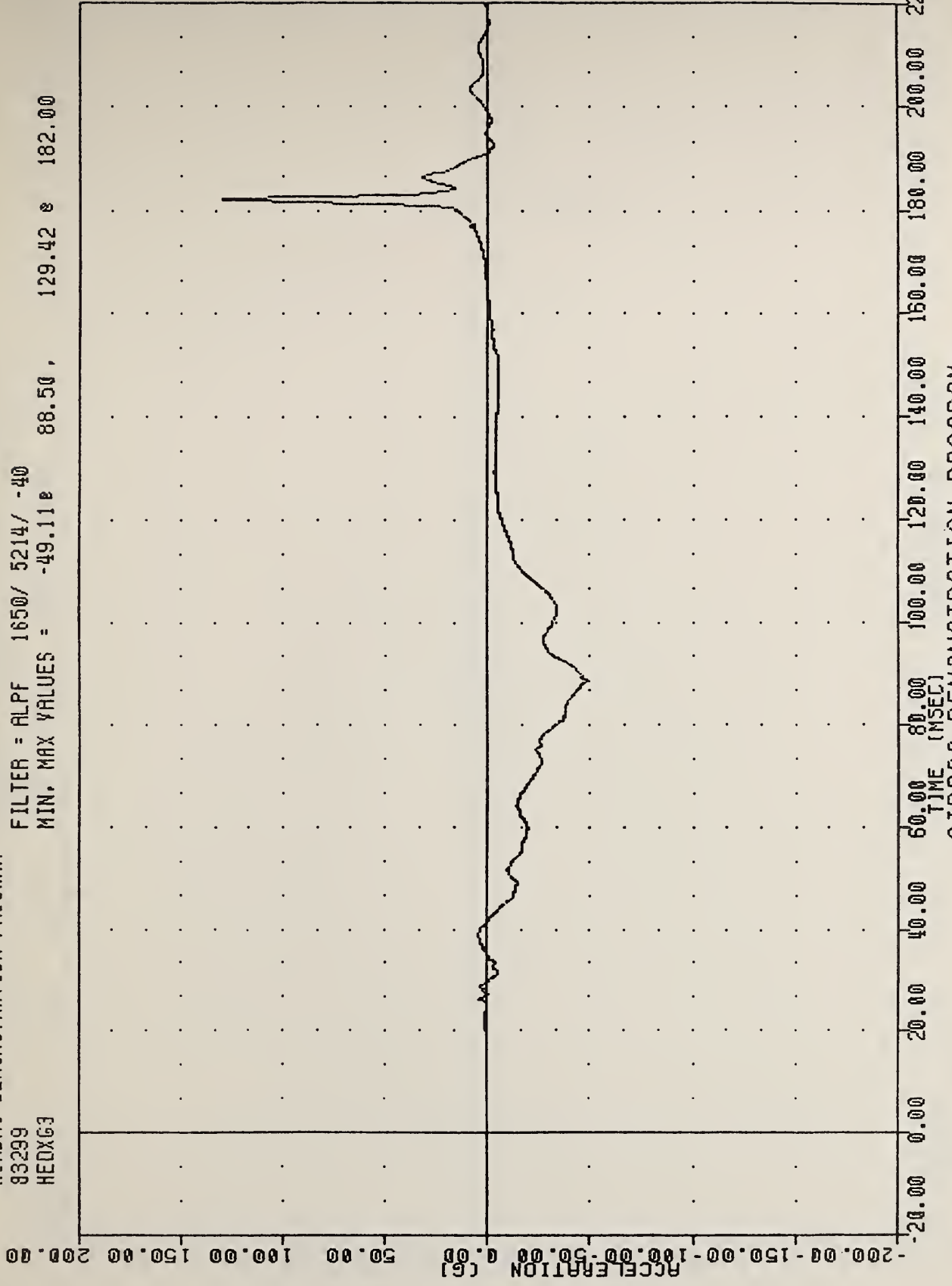
Elapsed time = 16.51 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

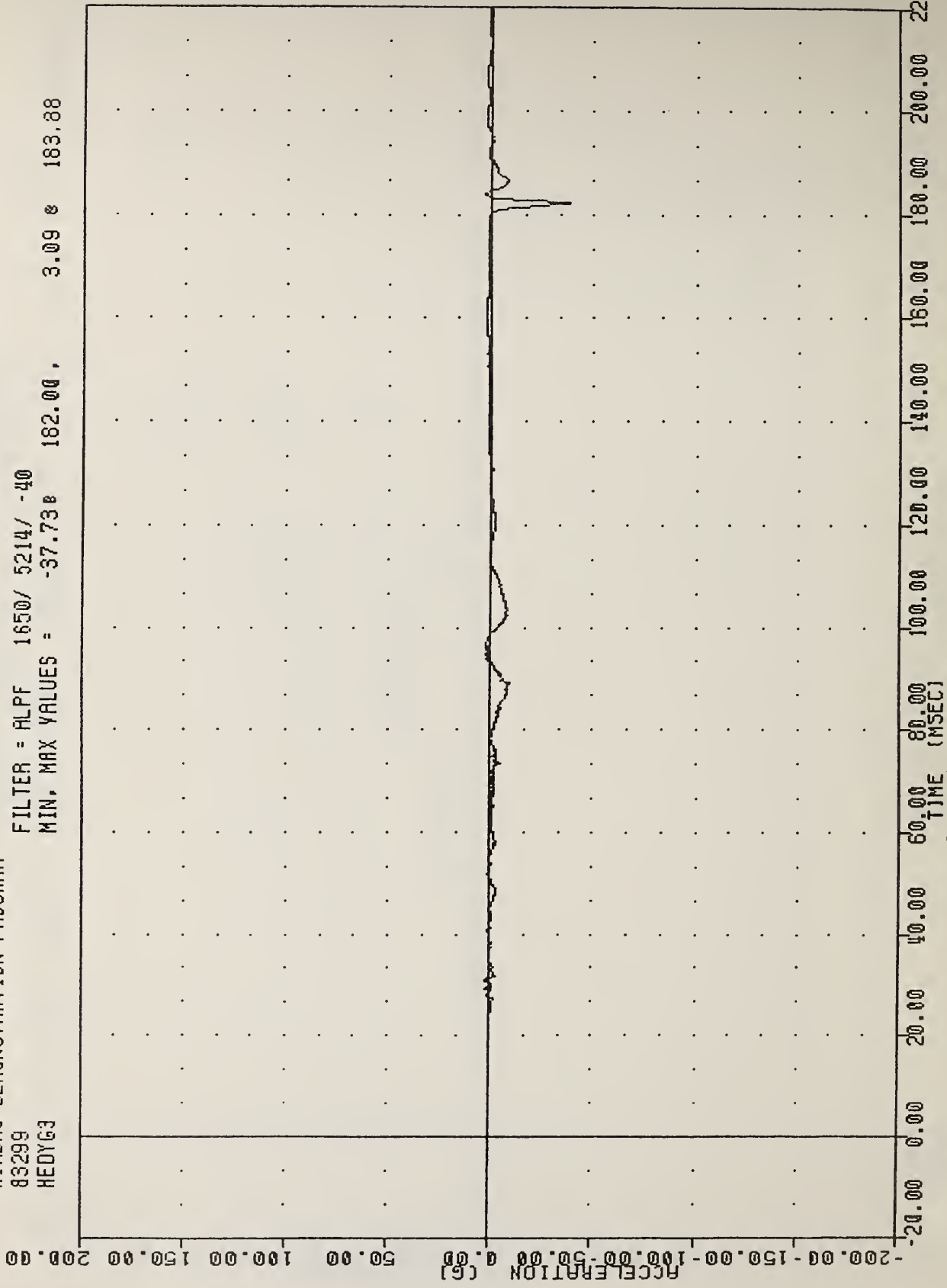
\$

VRTC R0583-2-13 PLOT DATE 26-OCT-83 15:30:48
 AIRBAG DEMONSTRATION PROGRAM
 83299 FILTER = ALPF 1650/ 5214/ -40
 HEDX63 MIN. MAX VALUES = -49.11e 88.50, 129.42 & 182.00



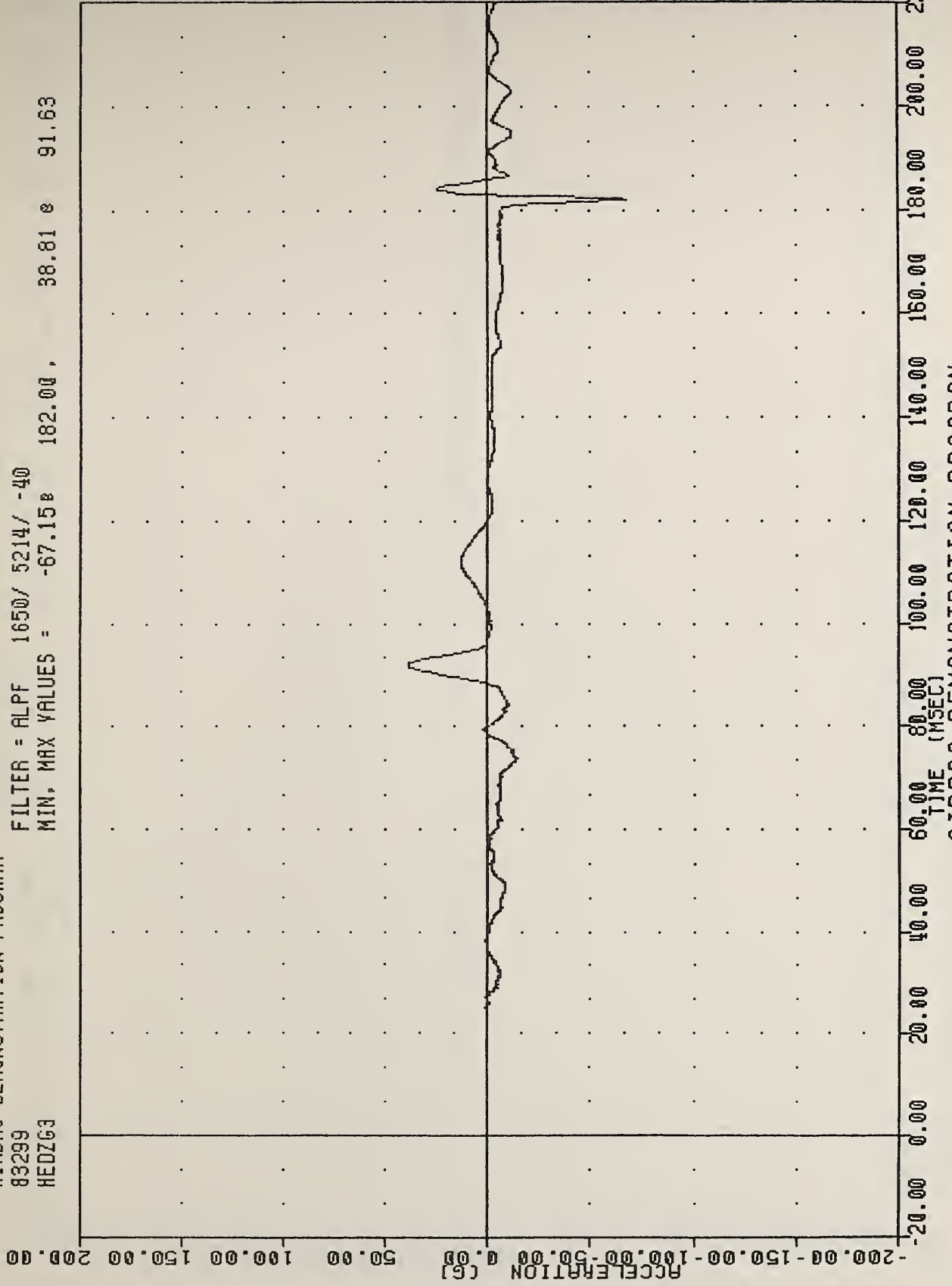
AIRBAG DEMONSTRATION PROGRAM
 HEAD ACCELERATION X AXIS 5TH PERCENTILE

VRTC RD583-2-13 PLOT DATE 26-OCT-83 16:24:34
 AIRBAG DEMONSTRATION PROGRAM
 83299 FILTER = HLPF 1650/ 5214/ -40
 HEDYG3 MIN, MAX VALUES = -37.73g 182.00, 3.09 g 183.88



AIRBAG DEMONSTRATION PROGRAM
 HEAD ACCELERATION Y AXIS 5TH PERCENTILE

VRTC R0583-2-13 PLOT DATE 26-OCT-83 15:30:48
 AIRBAG DEMONSTRATION PROGRAM
 83299 FILTER = ALPF 1650/ 5214/ -40
 HEDZG3 MIN. MAX VALUES = -67.15g 182.00g 38.81g 91.63



AIRBAG DEMONSTRATION PROGRAM
 HFAN ACCELERATION 7 AXIS 5TH PERCENTILE

VRIC R0583-2-13 PLOT DATE 26-OCT-83 15:30:48

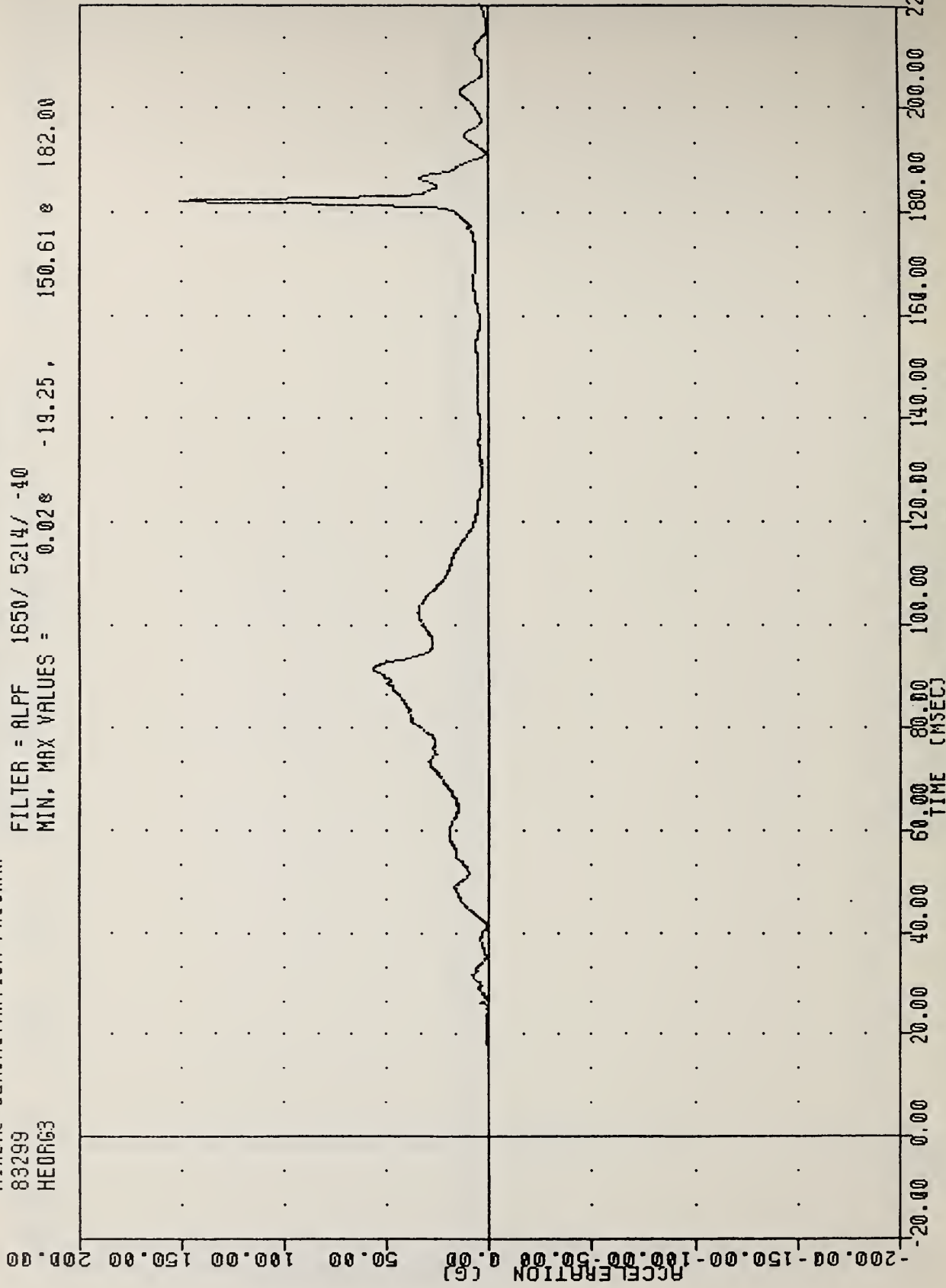
AIRBAG DEMONSTRATION PROGRAM

83299

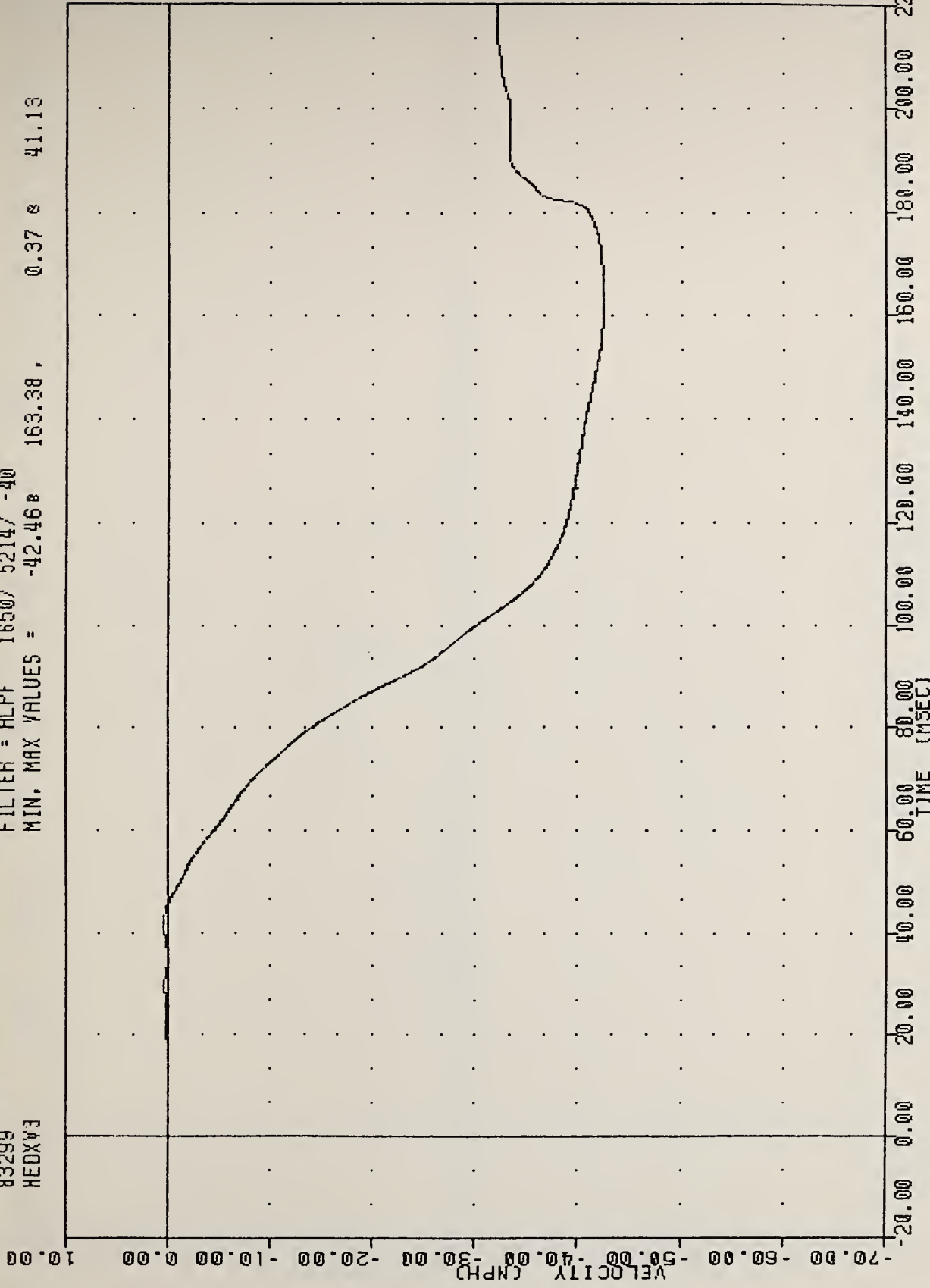
HEOR63

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = 0.02e -19.25 , 150.61 e 182.00



VRTC R0563-2-13 PLOT DATE 26-OCT-83 15:49:36
 AIRBAG DEMONSTRATION PROGRAM
 83299 FILTER = ALPF 1650/ 5214/ -40
 HEDXV3 MIN. MAX VALUES = -42.46e 163.38, 0.37 e 41.13

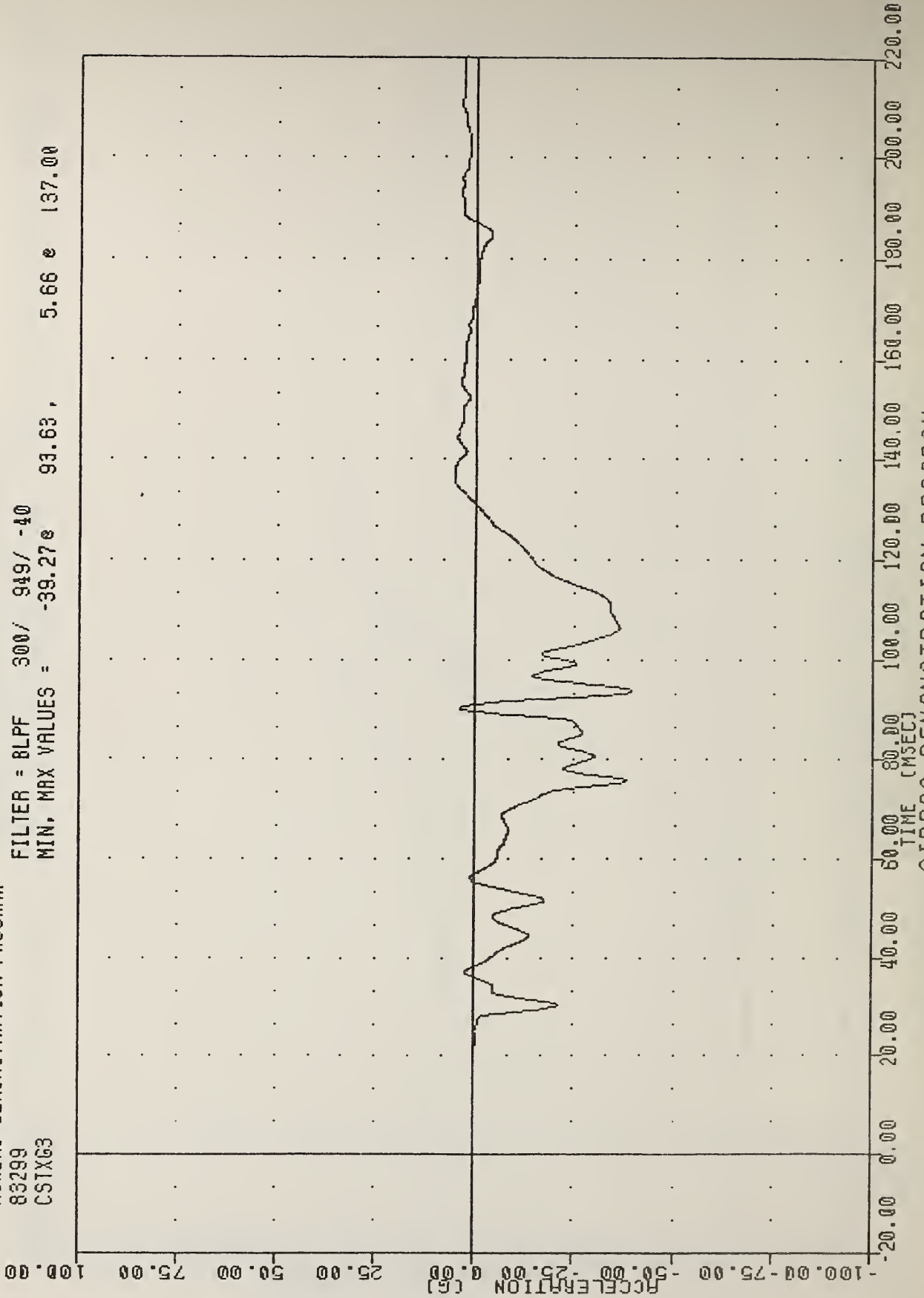


AIRBAG DEMONSTRATION PROGRAM
 HEAD VELOCITY X AXIS 5TH PERCENTILE

VRTC RD583-2-13
AIRBAG DEMONSTRATION PROGRAM
83299
CSIXG3

PLOT DATE 26-OCT-83 15:49:36

FILTER = 8LPF 300/ 949/ -40
MIN, MAX VALUES = -39.27e 93.63, 5.66 e 137.00



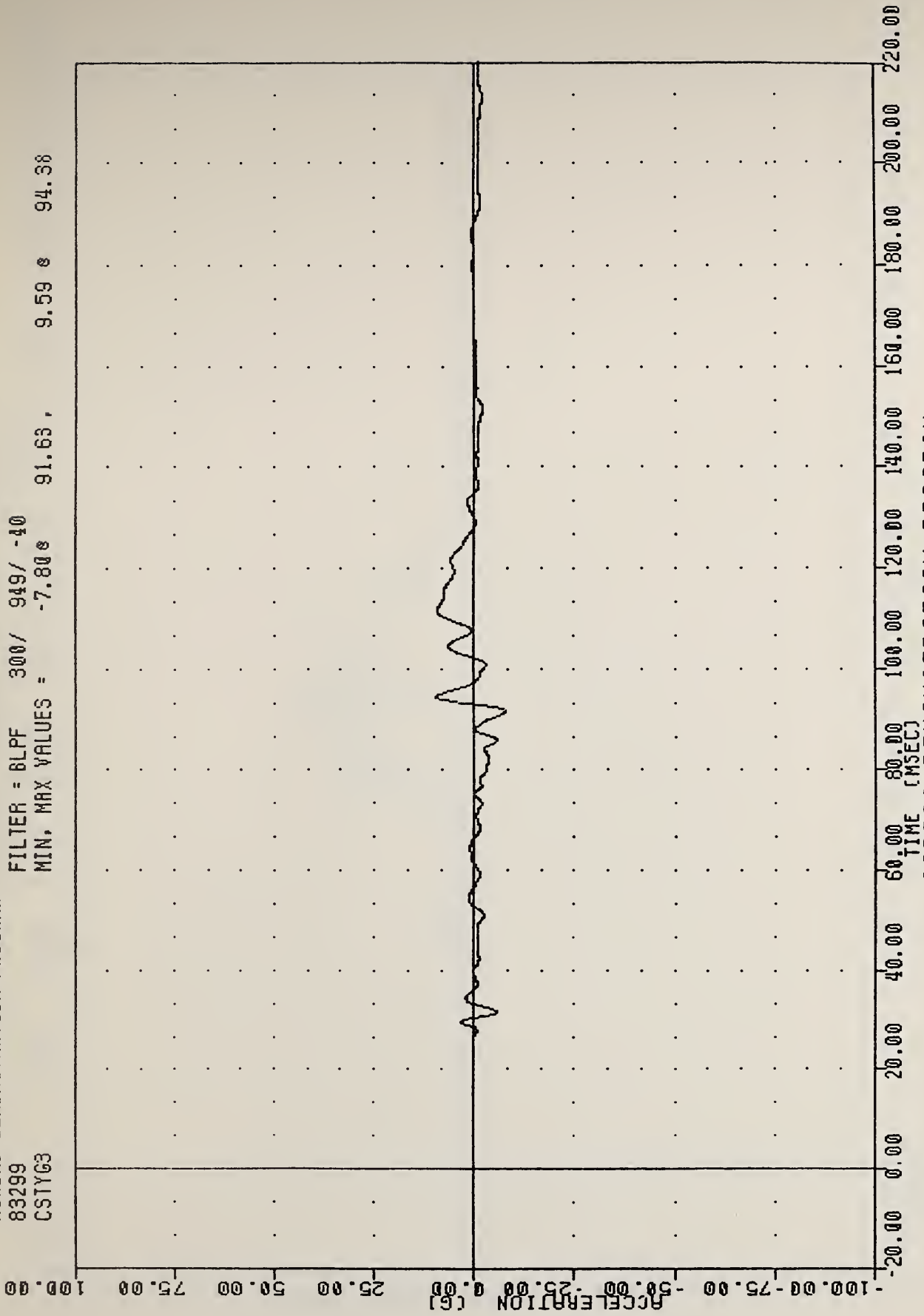
AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION X AXIS 5TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM

83299
CSTY63

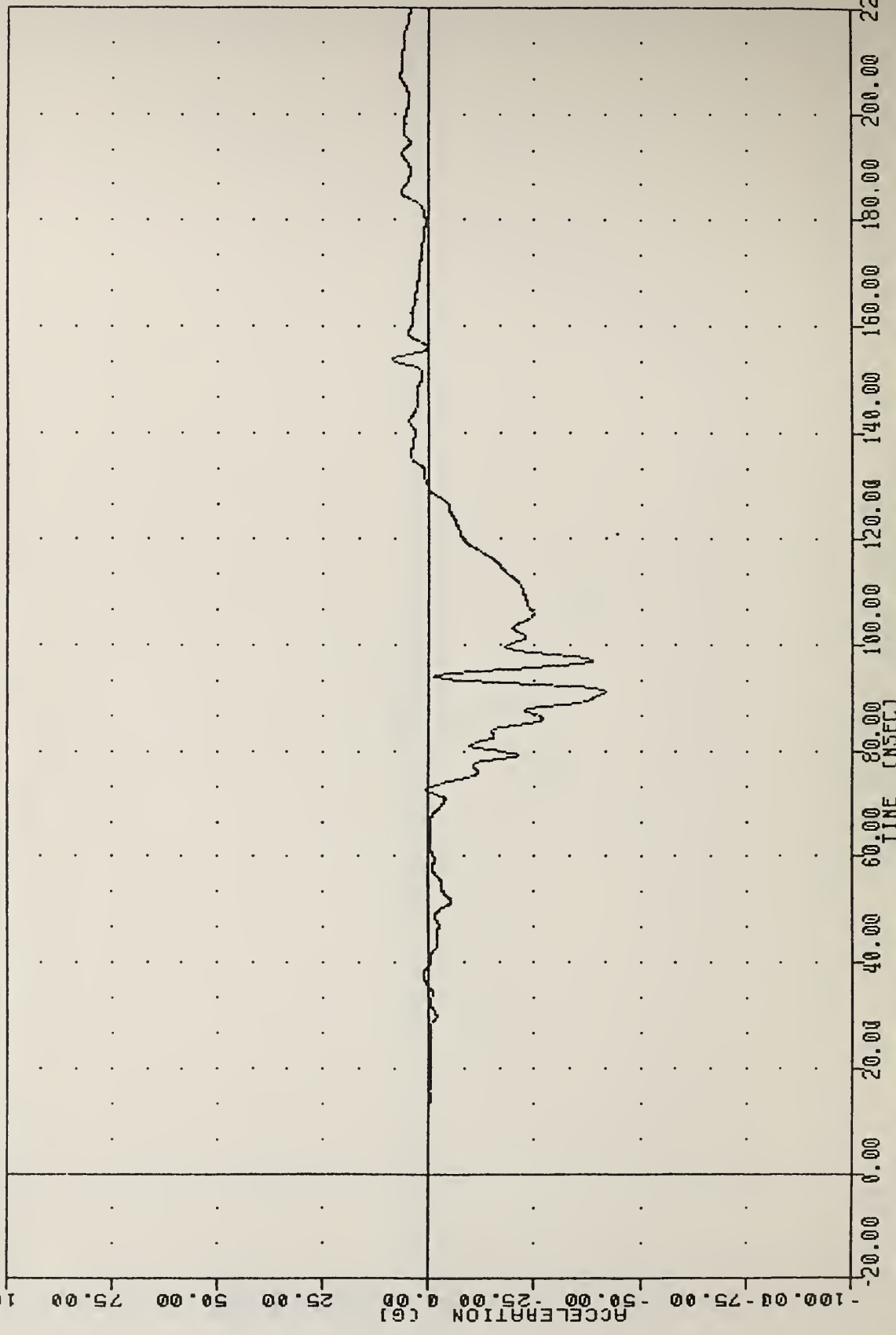
FILTER = 6LPF 300/ 949/ -40
MIN. MAX VALUES = -7.80s 91.63s

9.59s 94.38



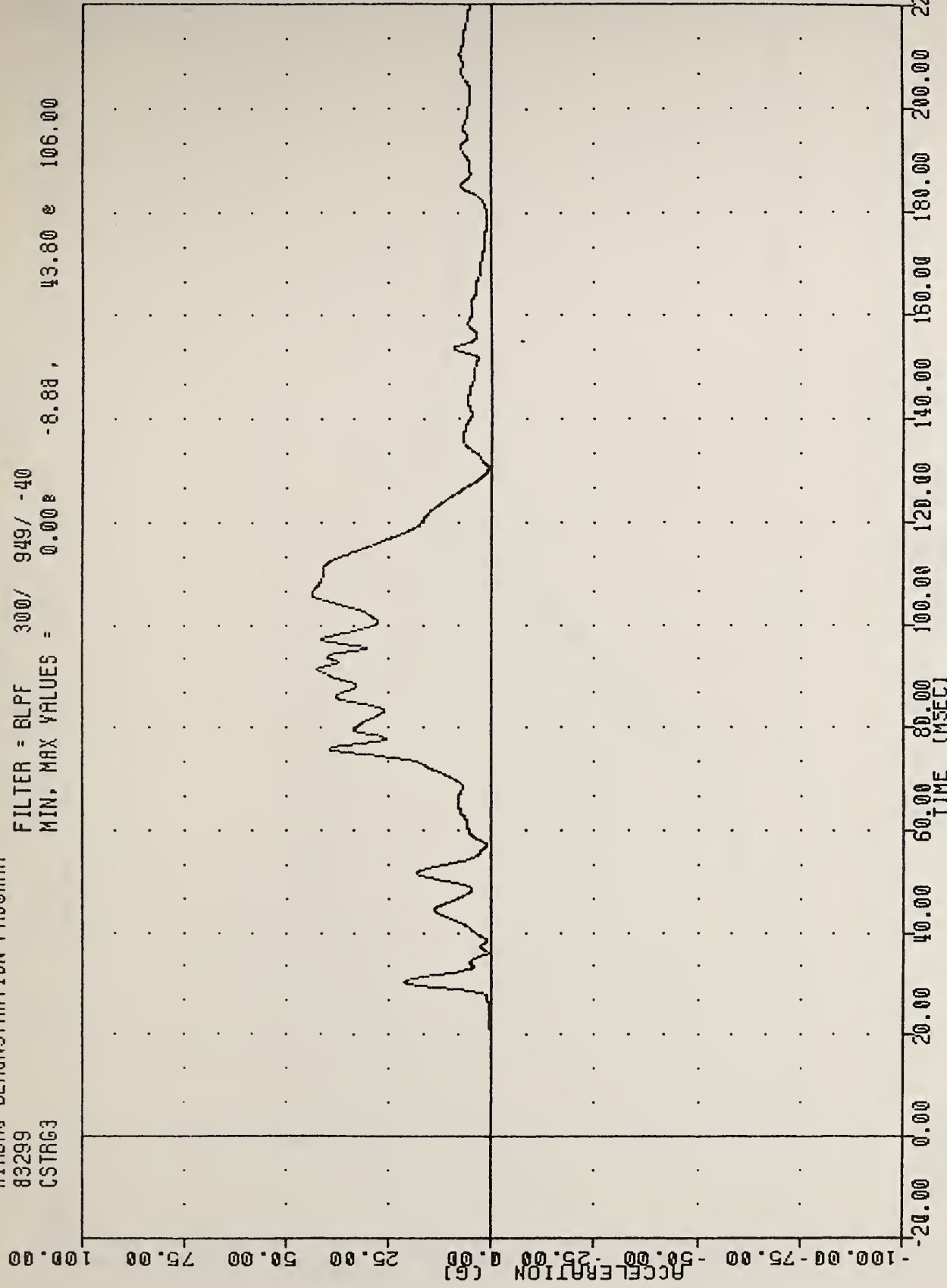
AIRBAG DEMONSTRATION PROGRAM
CHEST ACCELERATION Y AXIS 5TH PERCENTILE

VRTC RD583-2-13 PLOT DATE 26-OCT-83 15:30:48
 AIRBAG DEMONSTRATION PROGRAM
 83299 FILTER = BLPF 300/ 949/ .40
 CSTZ63 MIN, MAX VALUES = -41.78e 91.13, B.86 e 153.63



AIRBAG DEMONSTRATION PROGRAM
 CHEST ACCELERATION 7 AXIS 5TH PERCENTILE

YRTC R0583-2-13 PLOT DATE 26-OCT-83 15:30:48
 AIRBAG DEMONSTRATION PROGRAM
 83299 FILTER = BLPF 300/ 949/ -40
 CSTRG3 MIN, MAX VALUES = 0.00g -8.8g, 43.80 e 106.00

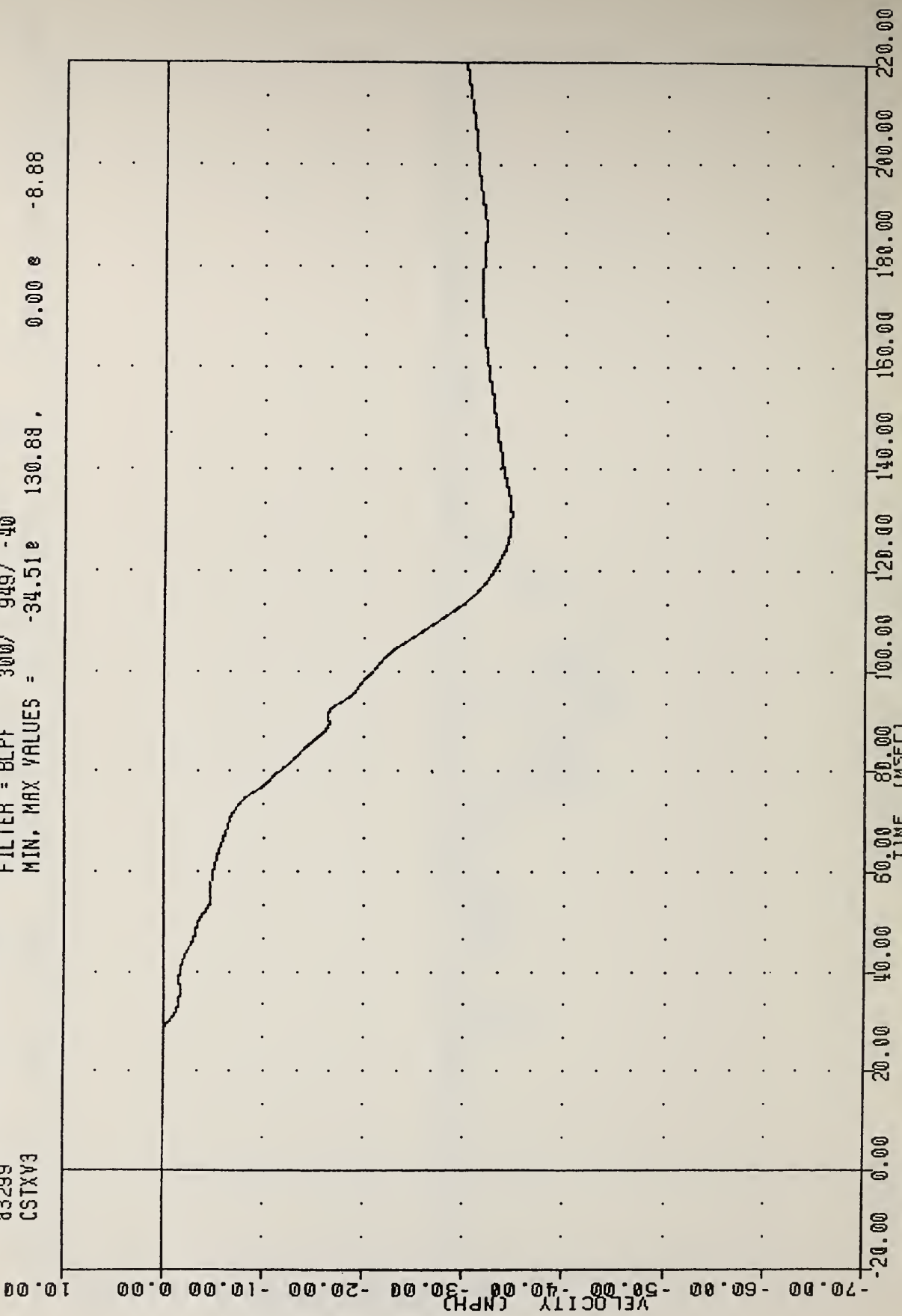


AIRBAG DEMONSTRATION PROGRAM
 CHEST RESUITANT ACCELERATION 5TH PERCENTILE

VRTC RD583-2-13
AIRBAG DEMONSTRATION PROGRAM
83299
CSTXV3

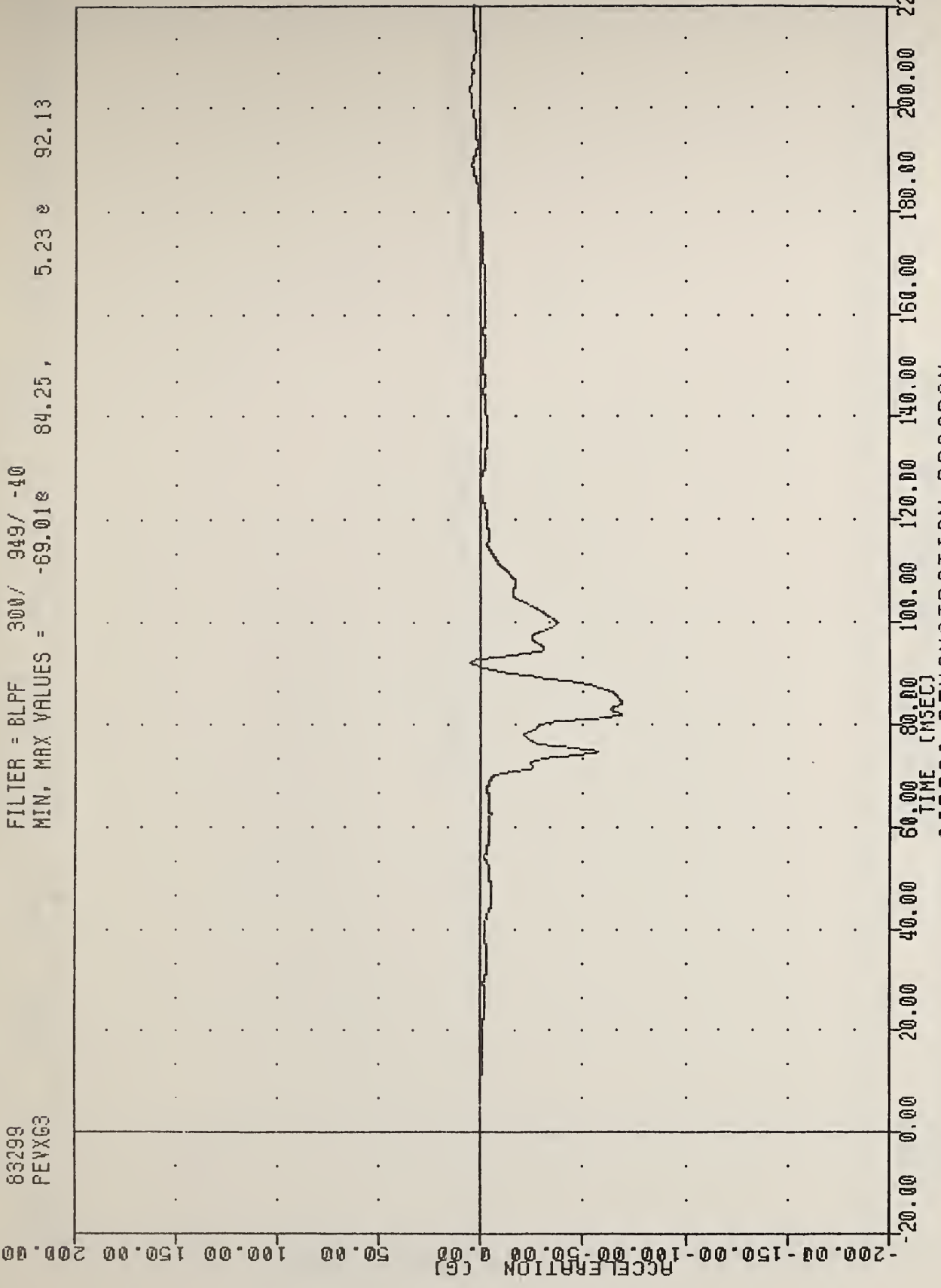
PLOT DATE 26-OCT-83 15:30:48

FILTER = BLPF 300/ 949/ -40
MIN. MAX VALUES = -34.51e 130.88, 0.00 e -8.88



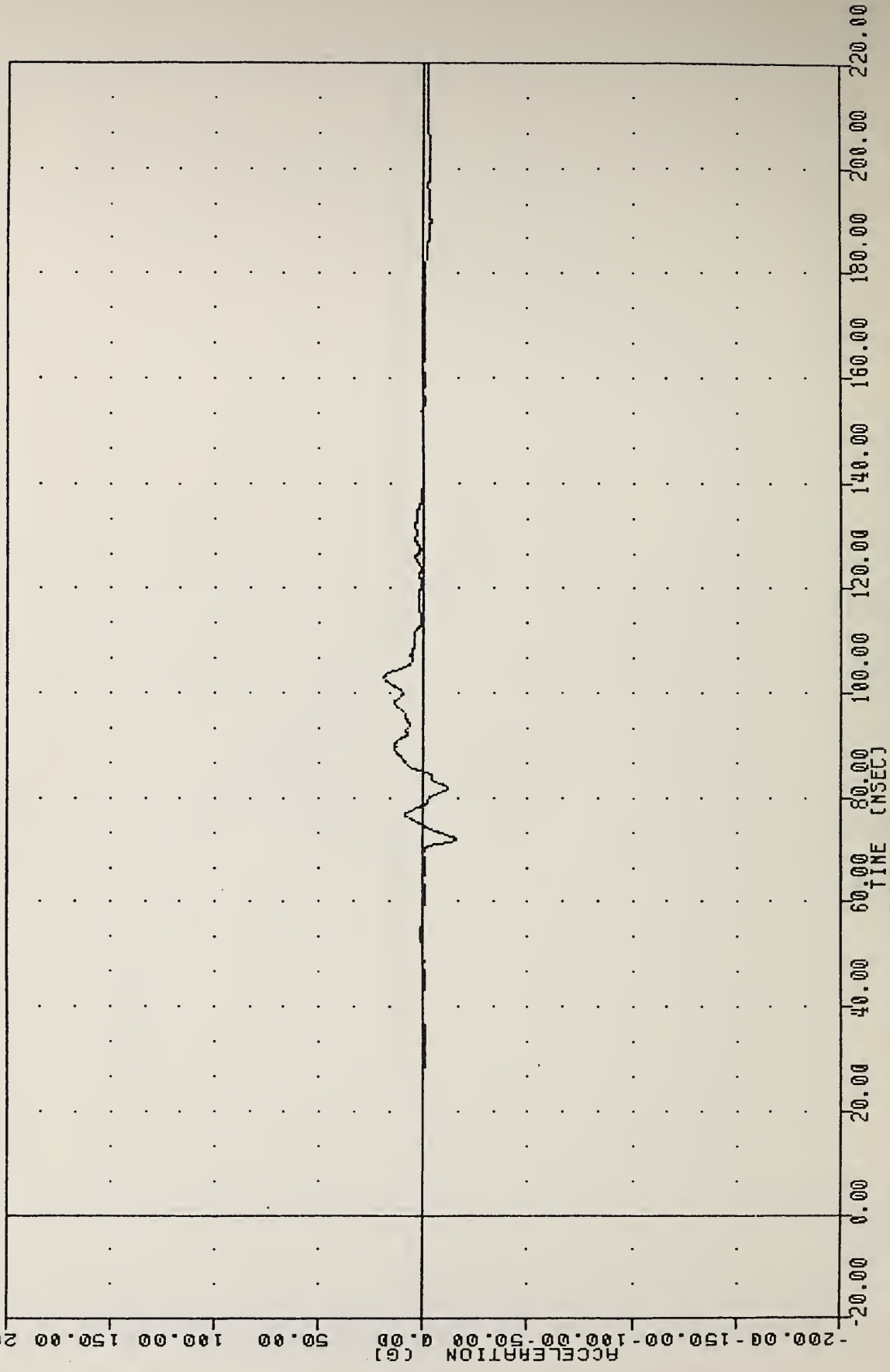
AIRBAG DEMONSTRATION PROGRAM
CHEST VELOCITY X AXIS 5TH PERCENTILE

VRTC RD583-2-13 PLOT DATE 26-OCT-83 15:30:48
 AIRBAG DEMONSTRATION PROGRAM
 83299 FILTER = BLPF 300/ 949/ -40
 PEVX63 MIN, MAX VALUES = -69.01g 84.25, 5.23 e 92.13



AIRBAG DEMONSTRATION PROGRAM
 PFI VIS ACCELERATION X AXIS 5TH PERCENTILE

VRTC RD563-2-13 PLOT DATE 26-OCT-83 15:30:48
 AIRBAG DEMONSTRATION PROGRAM
 83299 FILTER = BLFF 300/ 949/ -40
 PEY63 MIN, MAX VALUES = -15.79e 71.88, 19.17 e 102.88



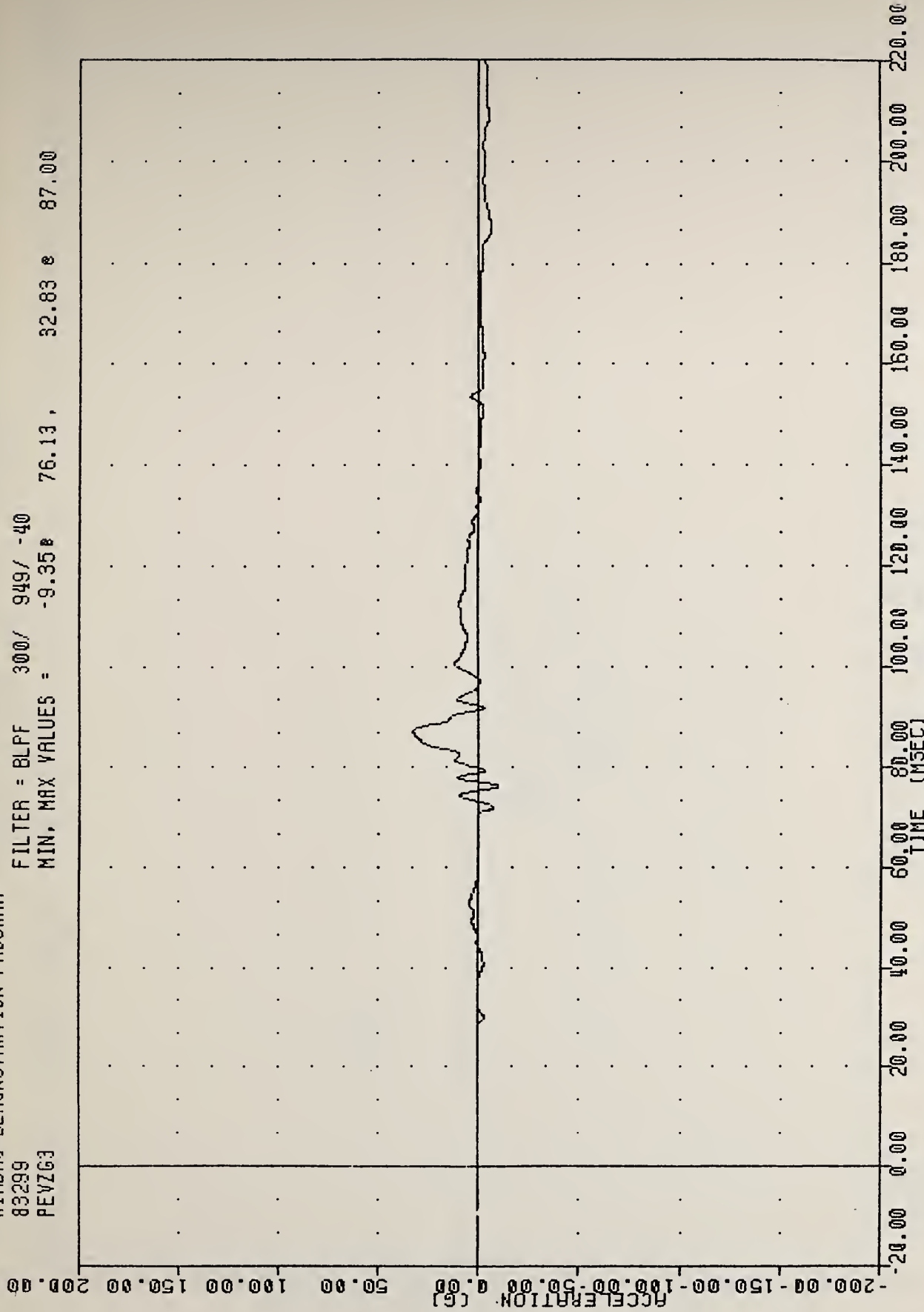
AIRBAG DEMONSTRATION PROGRAM
 PELVIS ACCELERATION Y AXIS 5TH PERCENTILE

VRTC R0583-2-13
AIRBAG DEMONSTRATION PROGRAM
83299
PEVZG3

PLOT DATE 26-OCT-83 15:30:48

FILTER = BLFF 300/ 949/ -40

MIN, MAX VALUES = -9.35 76.13, 32.83 87.00

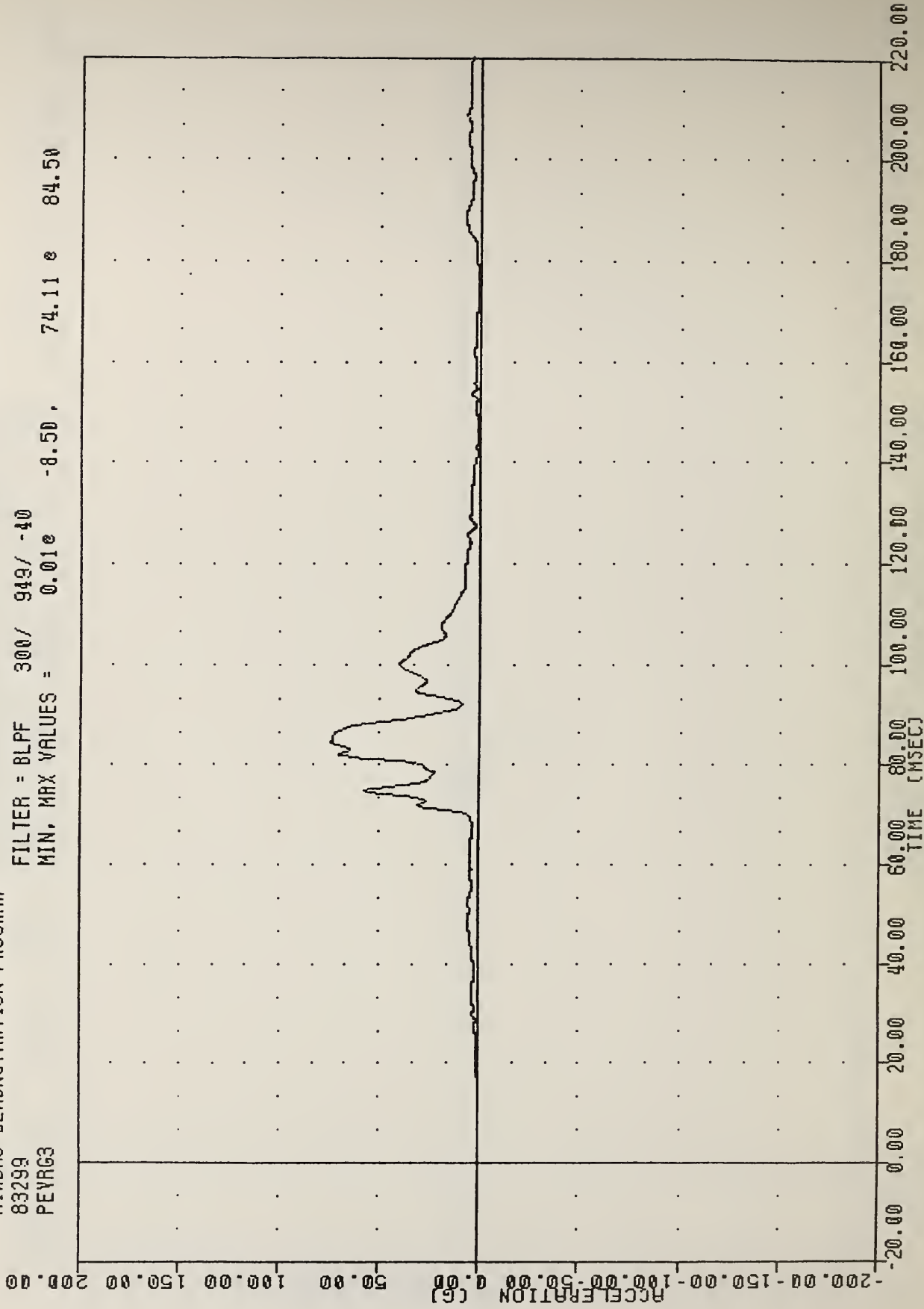


AIRBAG DEMONSTRATION PROGRAM
PFI VTS ACCELERATION 7 AXIS 5TH PERCENTILE

VRTC RD583-2-13
AIRBAG DEMONSTRATION PROGRAM
83299
PEYRG3

PLOT DATE 26-OCT-83 15:30:48

FILTER = 8LPF 300/ 949/ -40
MIN, MAX VALUES = 0.01e -8.50, 74.11 e 84.50

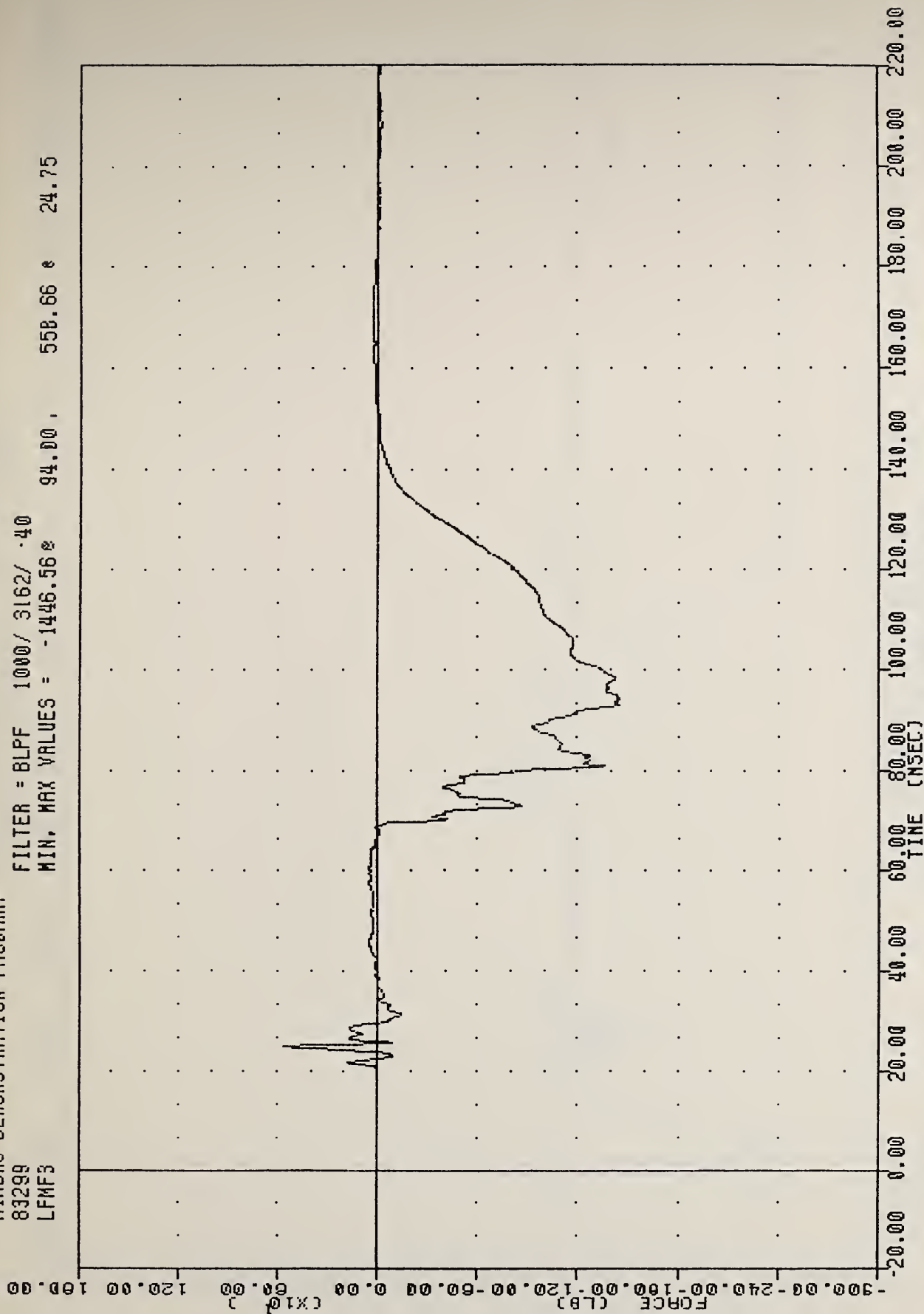


AIRBAG DEMONSTRATION PROGRAM
PELVIS RESULTANT ACCELERATION 5TH PERCENTILE

VATC RD583-2-13
AIRBAG DEMONSTRATION PROGRAM
83299
LFMF3

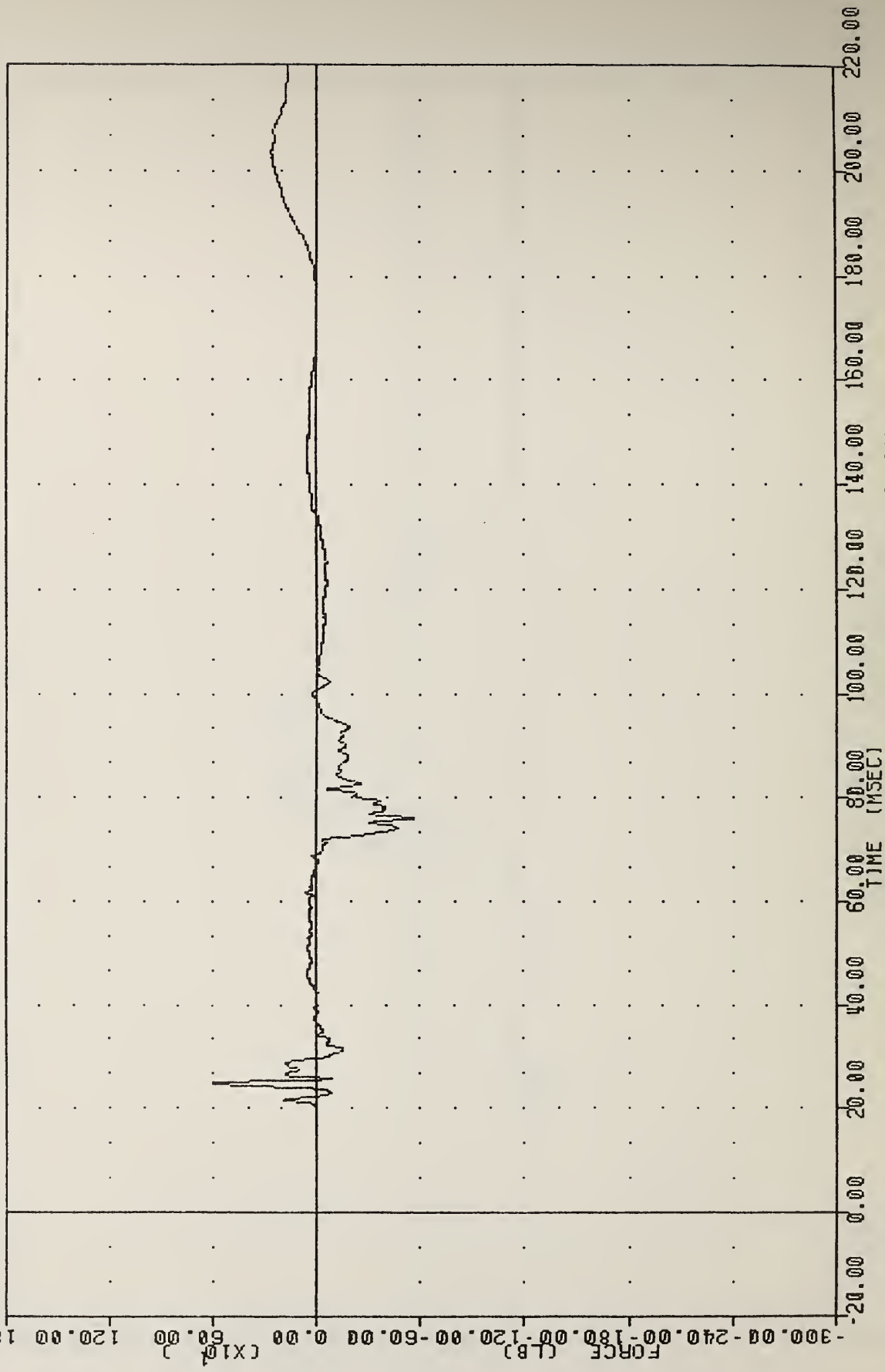
PLOT DATE 26-OCT-83 15:30:48

FILTER = BLPF 1000/ 3162/ .40
MIN, MAX VALUES = -1446.56 94.00, 558.66 24.75



AIRBAG DEMONSTRATION PROGRAM
LEFT FEMUR FORCE IN LBS 5TH PERCENTILE

VRTC R0583-2-13 PLOT DATE 26-OCT-83 15:30:48
 AIRBAG DEMONSTRATION PROGRAM
 83299 FILTER = BLPF 1000/ 3162/ -40
 AFMF3 MIN. MAX VALUES = -555.75e 75.88 , 604.20 e 24.75

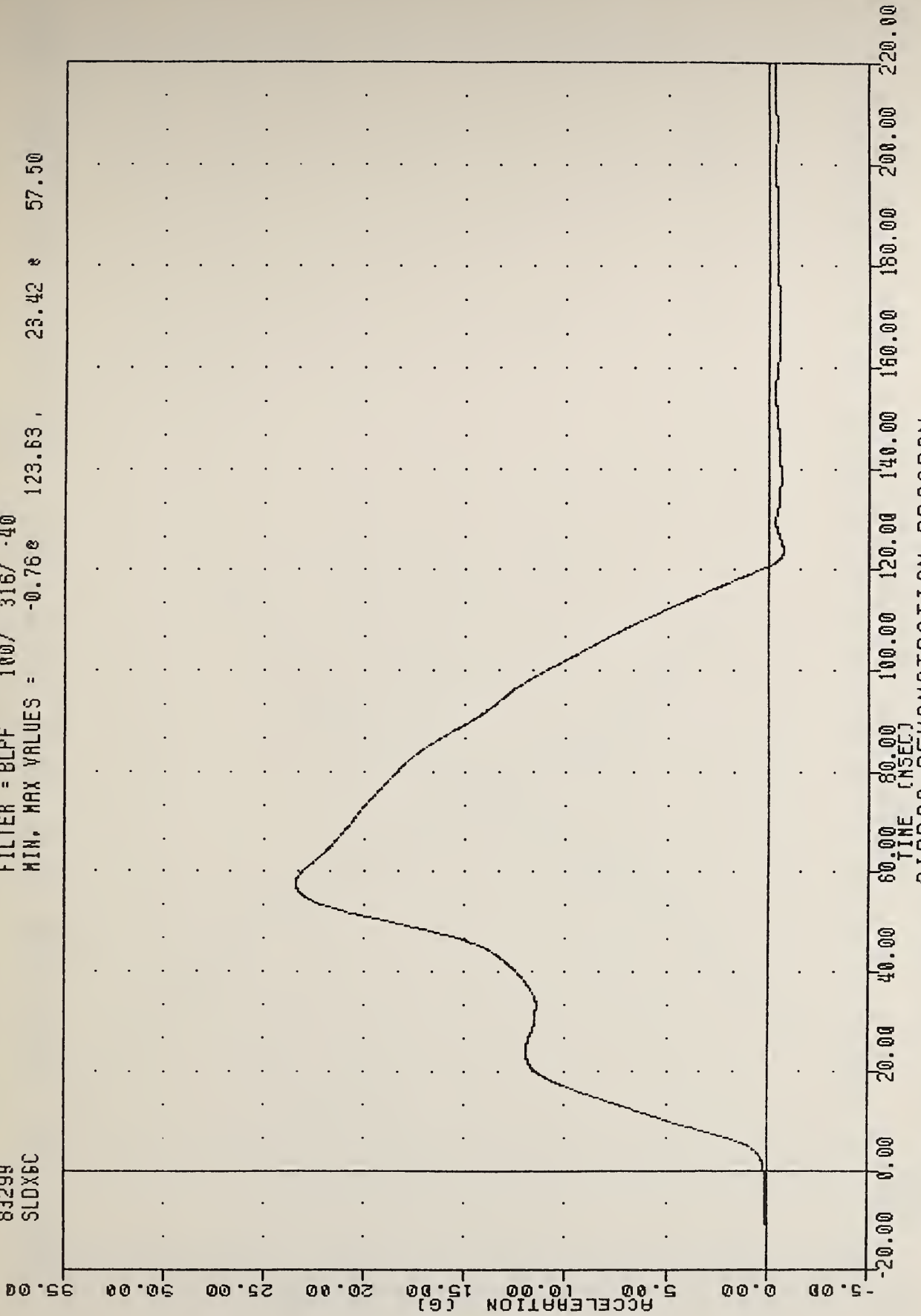


AIRBAG DEMONSTRATION PROGRAM
 RIGHT FEMUR FORCE IN LBS 5TH PERCENTILE

VRTC R0583-2-13
AIRBAG DEMONSTRATION PROGRAM
83298
SLDX6C

PLOT DATE 26-OCT-83 15:30:48

FILTER = BLPF 100/ 316/ -40
MIN, MAX VALUES = -0.76e 123.63, 23.42 e 57.50



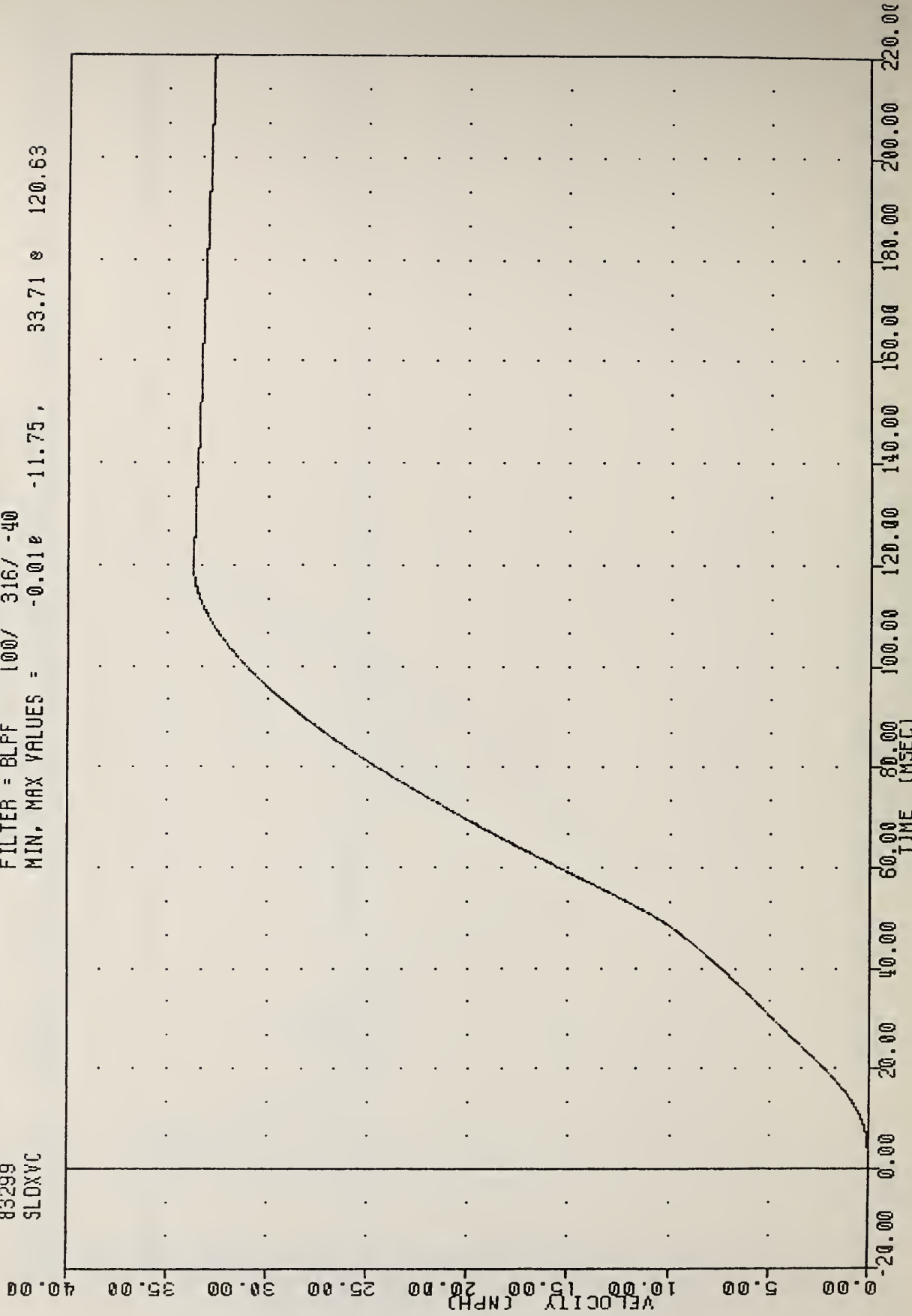
AIRBAG DEMONSTRATION PROGRAM
SLED ACCELERATION

VRTC R0583-2-13
AIRBAG DEMONSTRATION PROGRAM
83299
SLOXVC

PLOT DATE 26-OCT-83 15:30:48

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.01e -11.75, 33.71 e 120.63



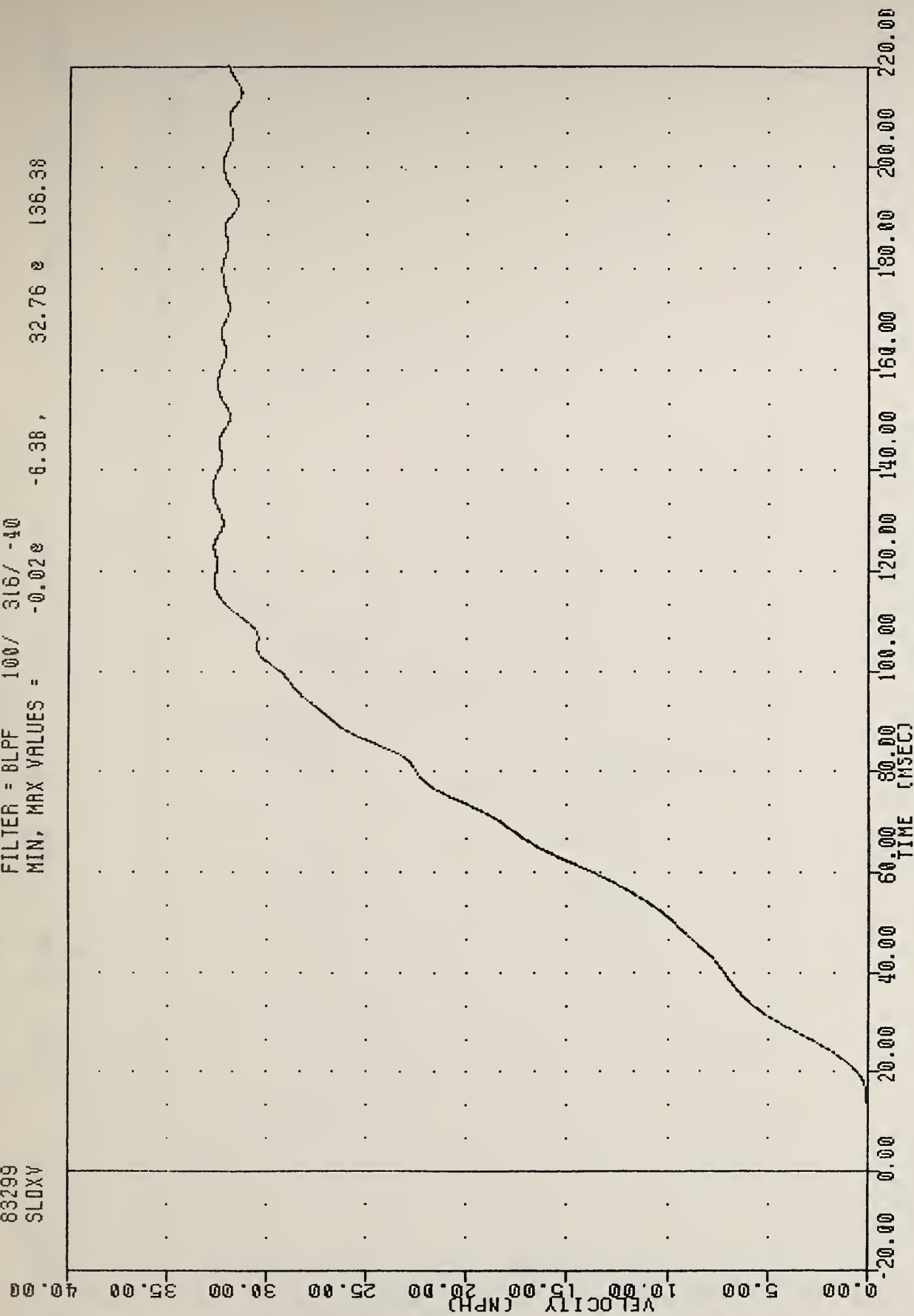
AIRBAG DEMONSTRATION PROGRAM
INTEGRATED SIFN VELOCITY

VRTC R0583-2-13
AIRBAG DEMONSTRATION PROGRAM
83299
SLOXY

PLOT DATE 26-OCT-83 15:30:48

FILTER = 8LPF 100/ 316/ -40

MIN, MAX VALUES = -0.02e -6.38, 32.76 e 136.38



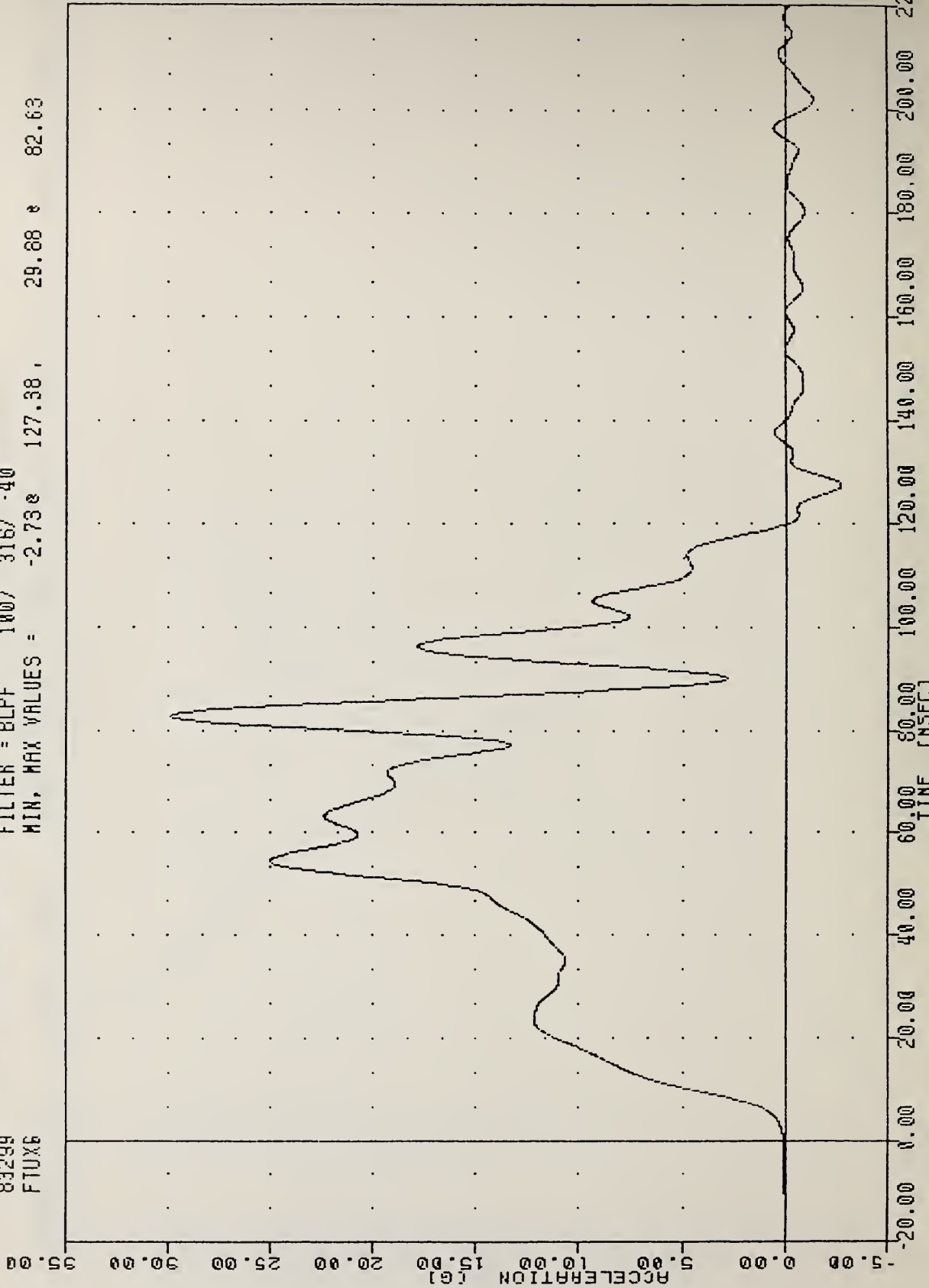
AIRBAG DEMONSTRATION PROGRAM
SLOXY VELOCITY

VATC AD583-2-13
AIRBAG DEMONSTRATION PROGRAM
83299
FTUX6

PLOT DATE 26-OCT-83 15:30:48

FILTER = BLPF 100/ 316/ -40

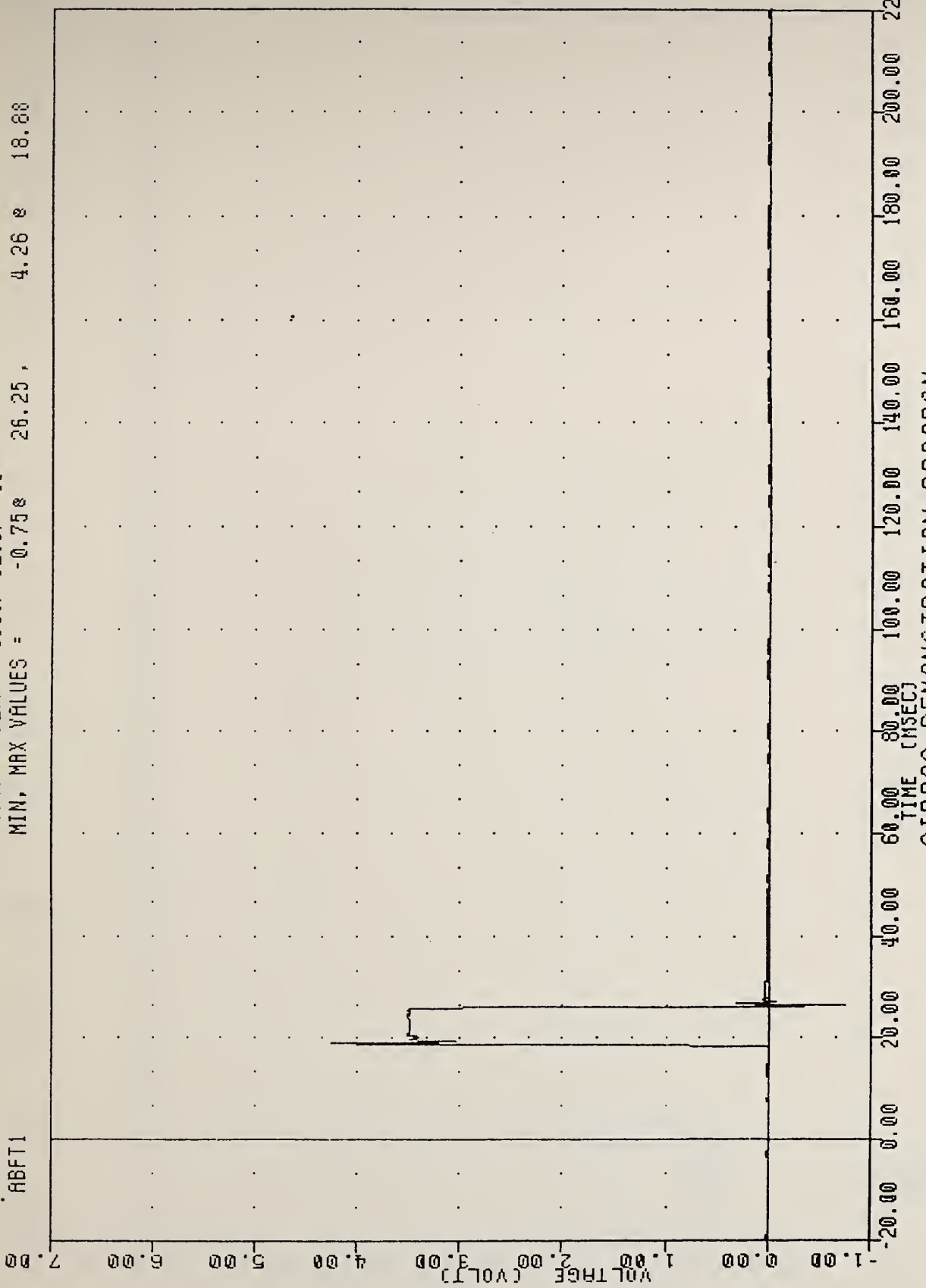
MIN, MAX VALUES = -2.73 127.38, 29.88 82.63



AIRBAG DEMONSTRATION PROGRAM
FLOOR PAN TUNING ACCELERATION

VRTC R0583-2-13
AIRBAG DEMONSTRATION PROGRAM
83299
ABFT1

PLOT DATE 26-OCT-83 15:30:48
FILTER = BLFF 1650/ 5218/ -40
MIN, MAX VALUES = -0.75s 4.26 s 18.68



AIRBAG DEMONSTRATION PROGRAM
ATR BAG FIRING EVENT 5TH PERCENTILE

VRTC R0583-2-13 PLOT DATE 26-OCT-83 15:30:48

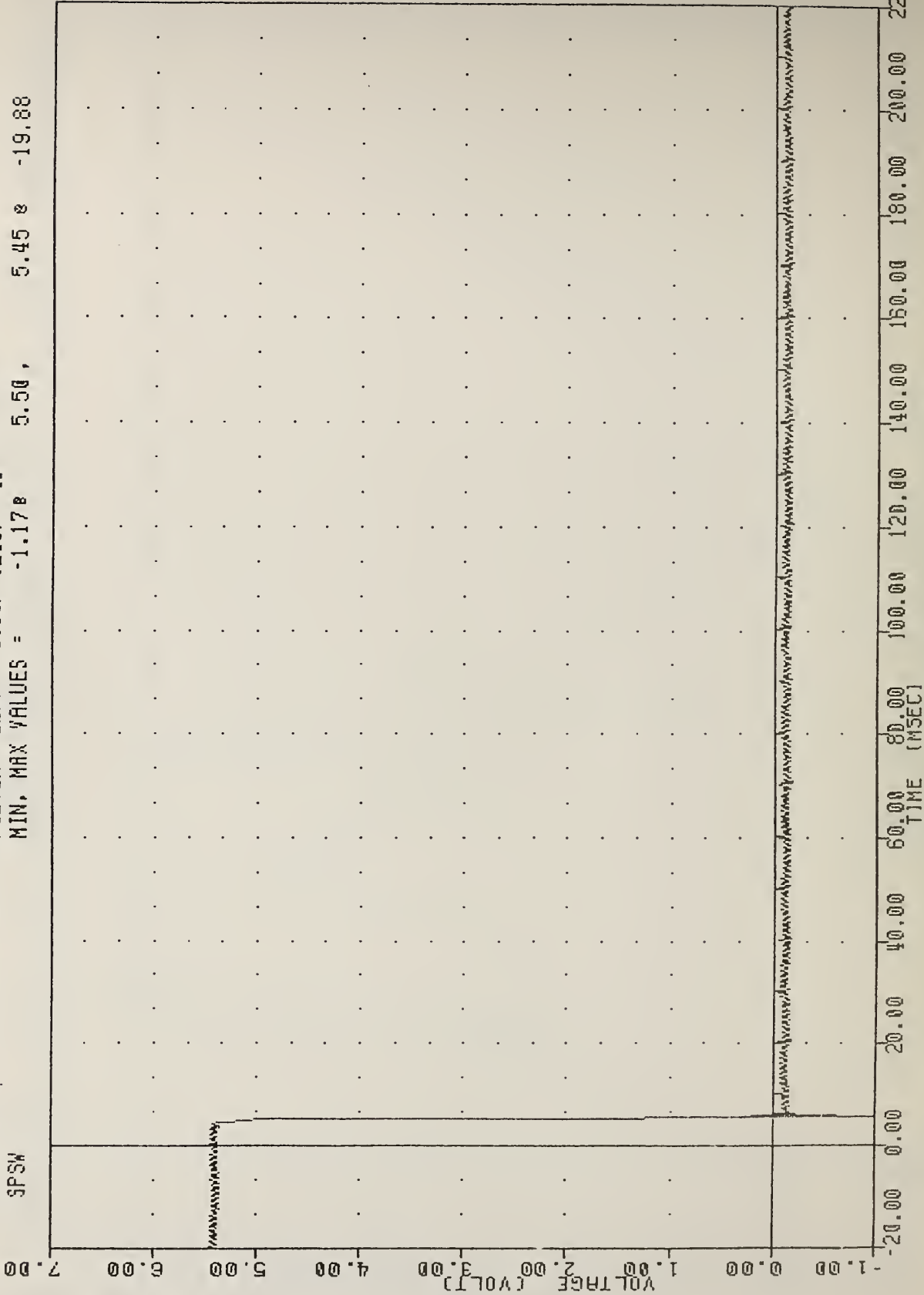
AIRBAG DEMONSTRATION PROGRAM

83299

SPSW

FILTER = BLPF 1650/ 5218/ -40

MIN. MAX VALUES = -1.17 5.50, 5.45 8 -19.88



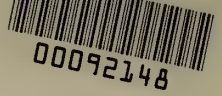
AIRBAG DEMONSTRATION PROGRAM
SLED POSITION SWITCH

TL 242 .E86

Esser, R.

Airbag demo

Form DOT F 172
FORMERLY FORM D



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