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US Department  
of Transportation  
National Highway  
Traffic Safety  
Administration

✓  
AIRBAG DEMONSTRATION PROGRAM

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AIRBAG DEMONSTRATION PROGRAM

RD 583-2

Volume II

Data Charts for Tests

14 - 29

\* \* \* HIC computation for TRC222I 27-OCT-83 15:02:00

HEDRG3 VRTC RD583-2-14 83300 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 47.11 @ 86.000

HIC = 238.95 Interval from 67.125 [ 738] to 108.375 [1068]

HIC = 151.88 Interval from 74.750 [ 799] to 89.750 [ 919]

Elapsed time = 16.38 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

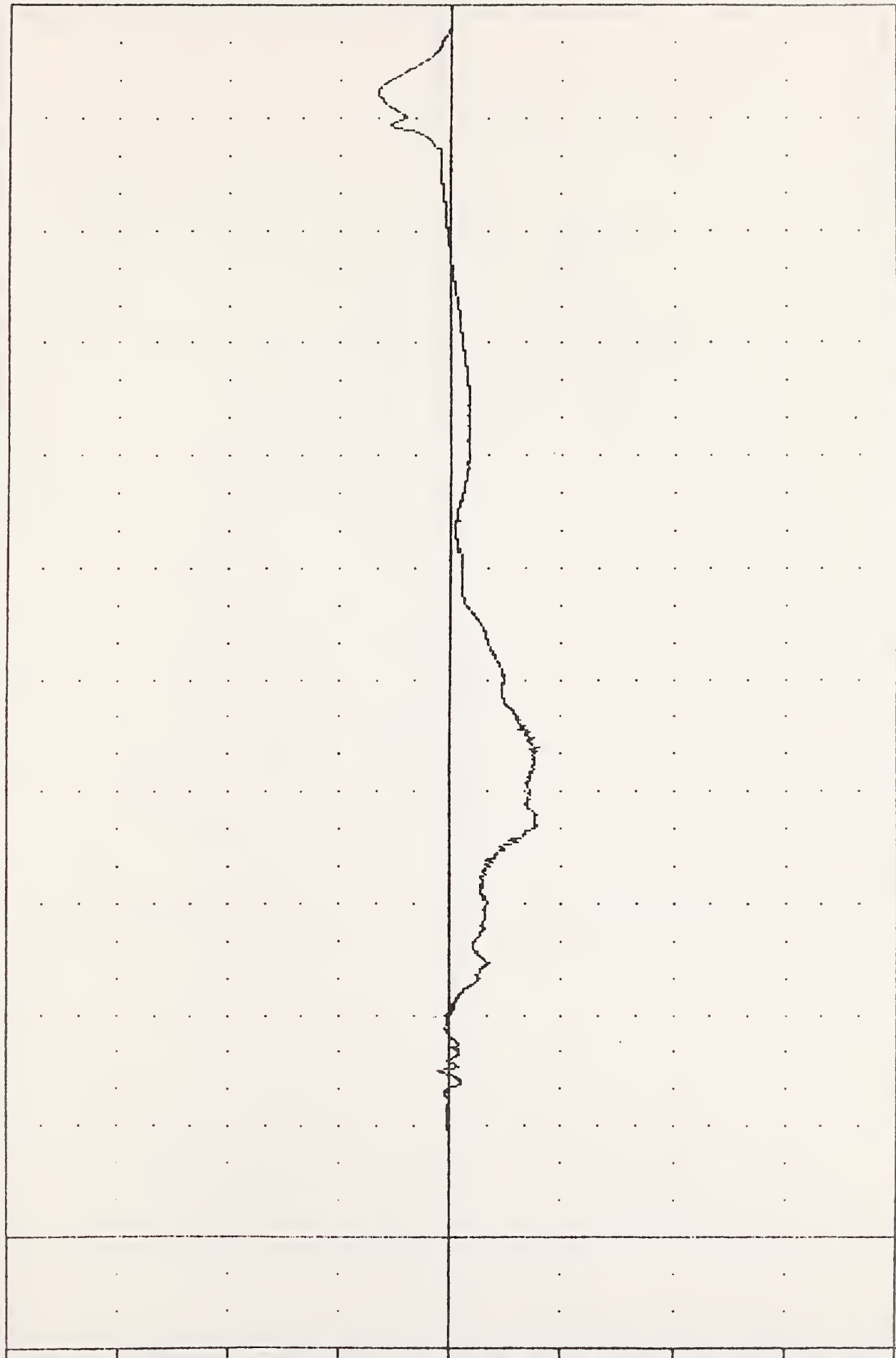
\$

PLOT DATE 27-OCT-83 14:49:56

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -39.798 87.63, 33.35 & 204.38

NRIC , RD583-2-14  
AIRBAG DEMONSTRATION PROGRAM  
83300  
HEAD63

ACCELERATION (G)



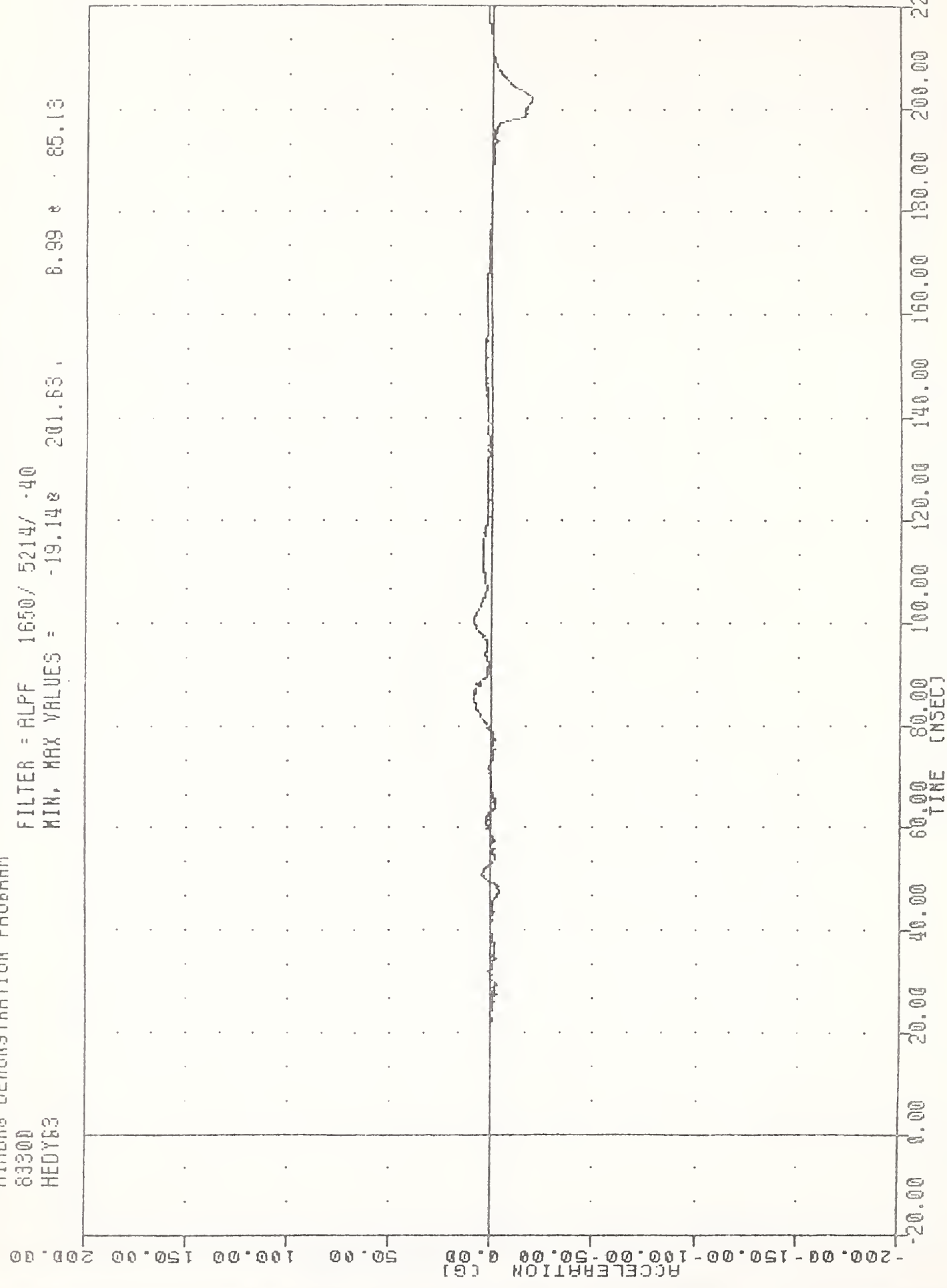
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION X AXIS 5TH PERCENTILE

WVRL 1, RUB83-2-14  
AIRBAG DEMONSTRATION PROGRAM  
83300  
HEDY83

PL01 DATE 27-OCT-83 14:49:56

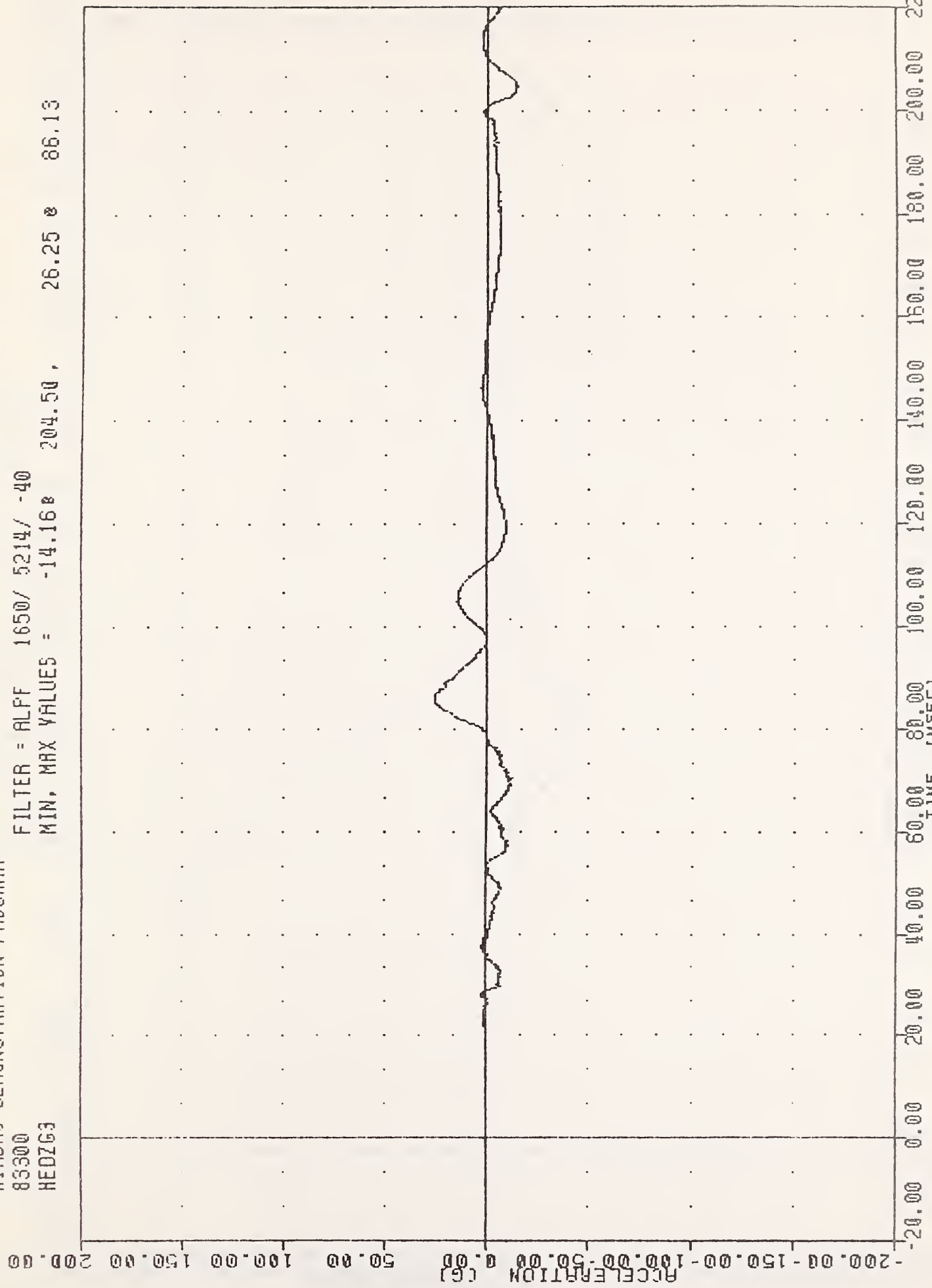
FILTER = ALPF 1650/ 5214/ .40  
MIN, MAX VALUES = -19.14e 201.63, 8.99 e 85.13



AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Y AXIS 5TH PERCENTILE

AIRBAG DEMONSTRATION PROGRAM  
83300  
HEDZG3

FILTER = ALFF 1650/ 5214/ -40  
MIN, MAX VALUES = -14.168 204.50, 26.25 86.13

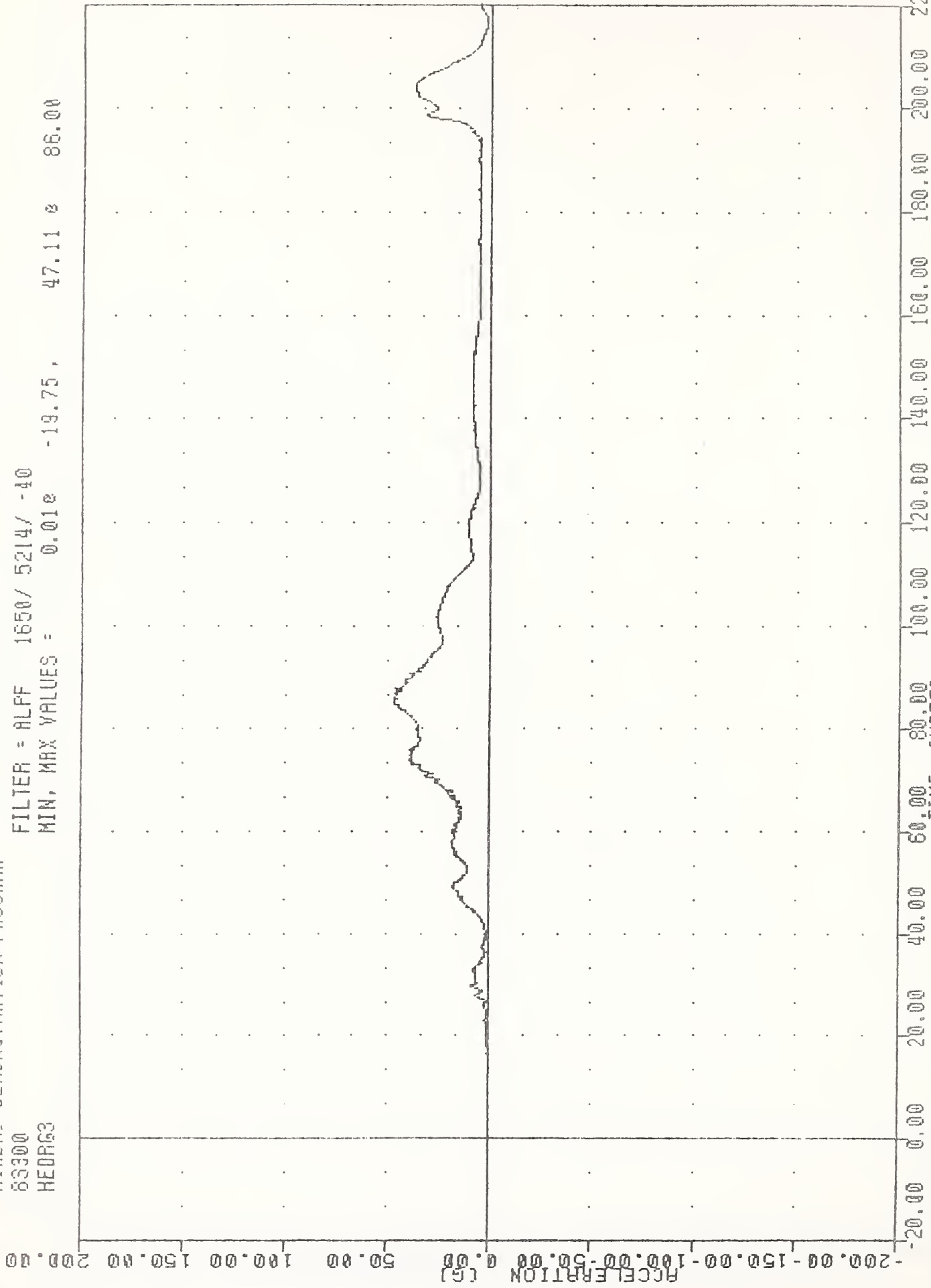


AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Z AXIS 5TH PERCENTILE

PLOT DATE 27-OCT-83 14:49:56

FILTER = ALFF 1650 / 5214 / -40  
MIN, MAX VALUES = 0.01e -19.75, 47.11 e 86.00

VRTC , RD583-2-14  
AIRBAG DEMONSTRATION PROGRAM  
63300  
HEAD63



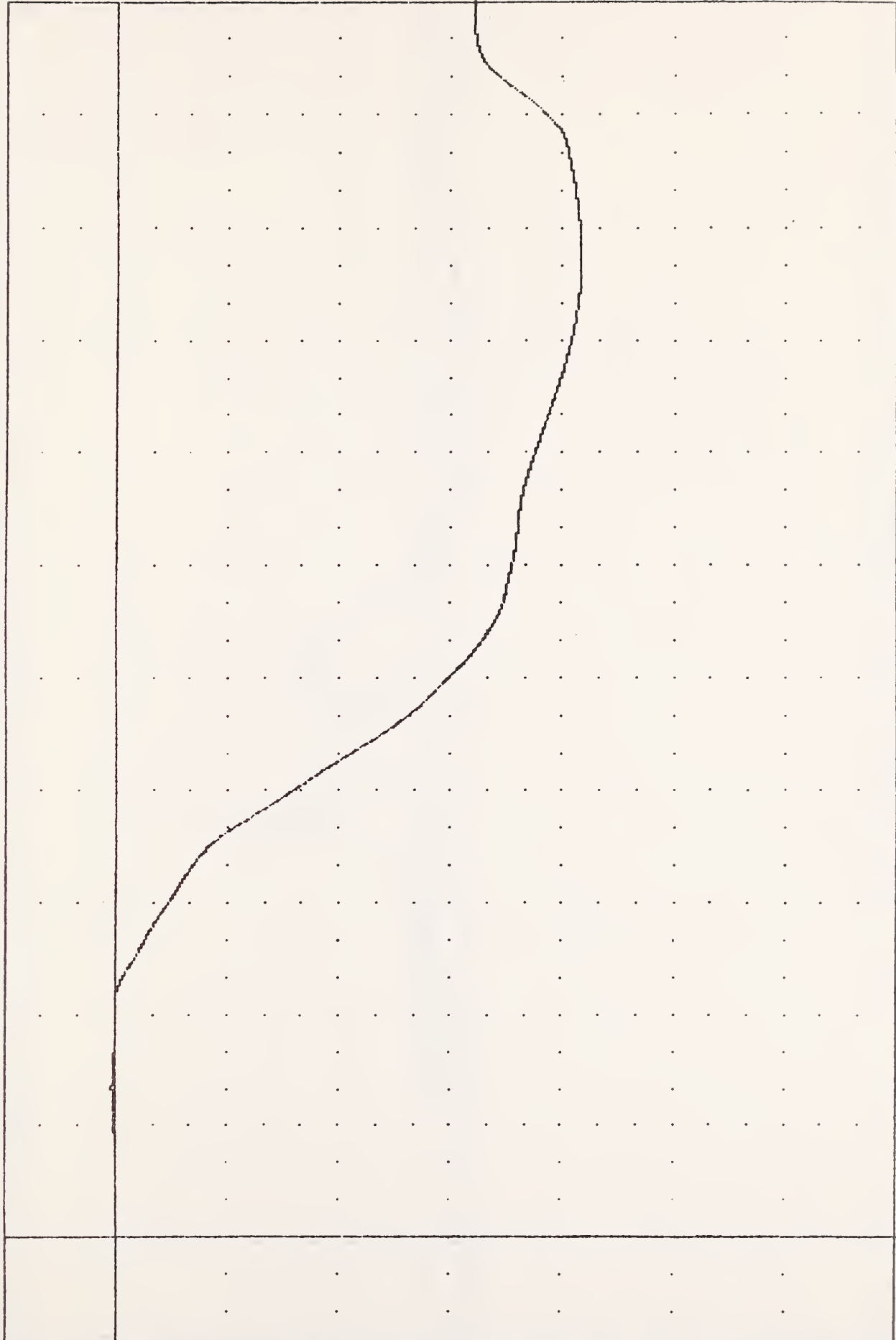
AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 5TH PERCENTILE

PLOT DATE 27-OCT-83 14:49:56

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -41.65e 174.38, 0.28 e 26.75

YR 10  
AIRBAG DEMONSTRATION PROGRAM  
83300  
HEADX3

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

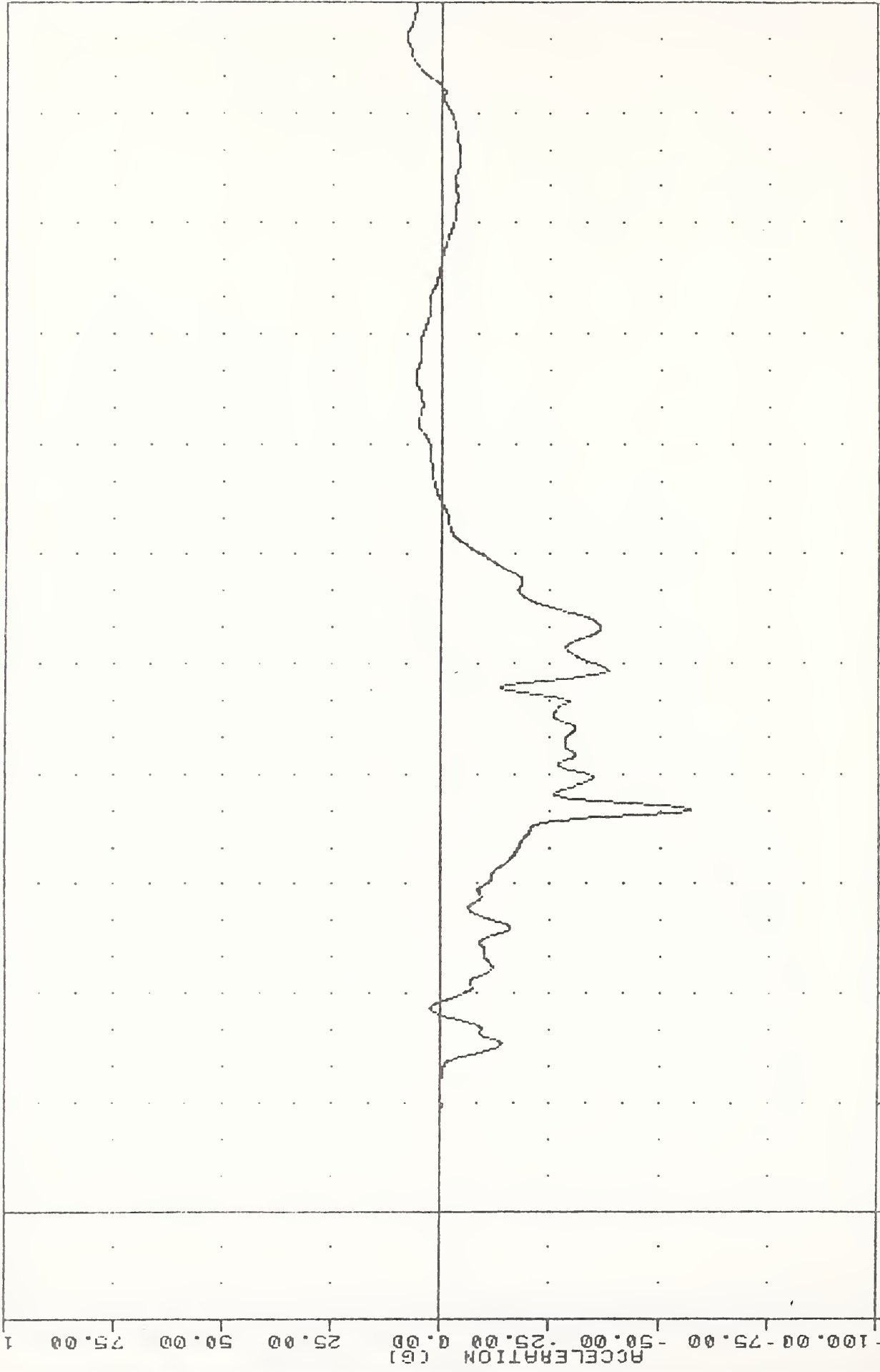


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS 5TH PERCENTILE

VRIC 83300 CSTX63  
AIRBAG DEMONSTRATION PROGRAM

PL01 DATE 27-01-88 14:49:56  
FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -57.34e 73.58 , B.32 e 213.50



AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 5TH PERCENTILE



PLG DATE 27-OCT-80 14:49:56

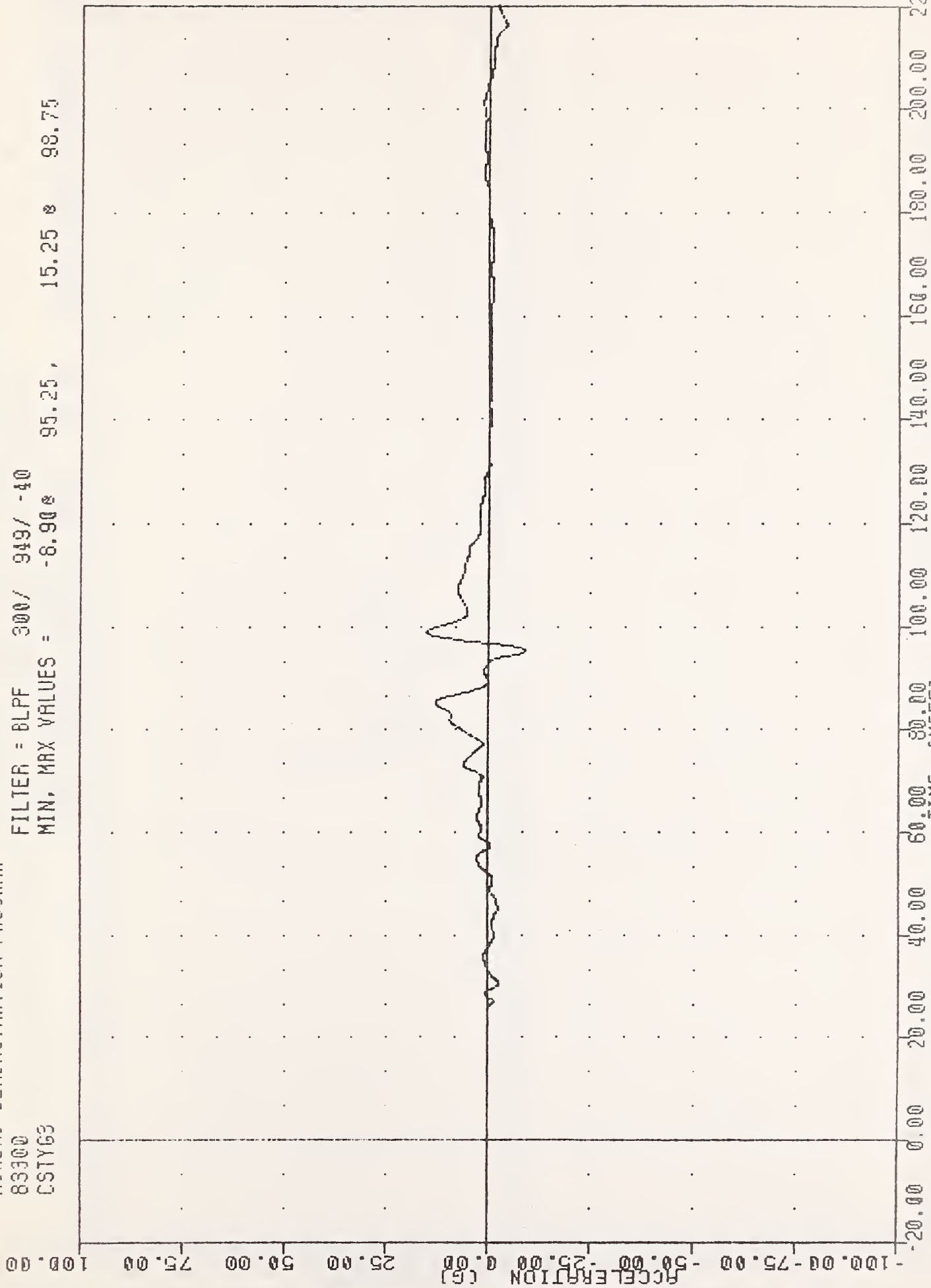
AIRBAG DEMONSTRATION PROGRAM

83300

CSTY63

FILTER = BLPF 300/ 949/ -40

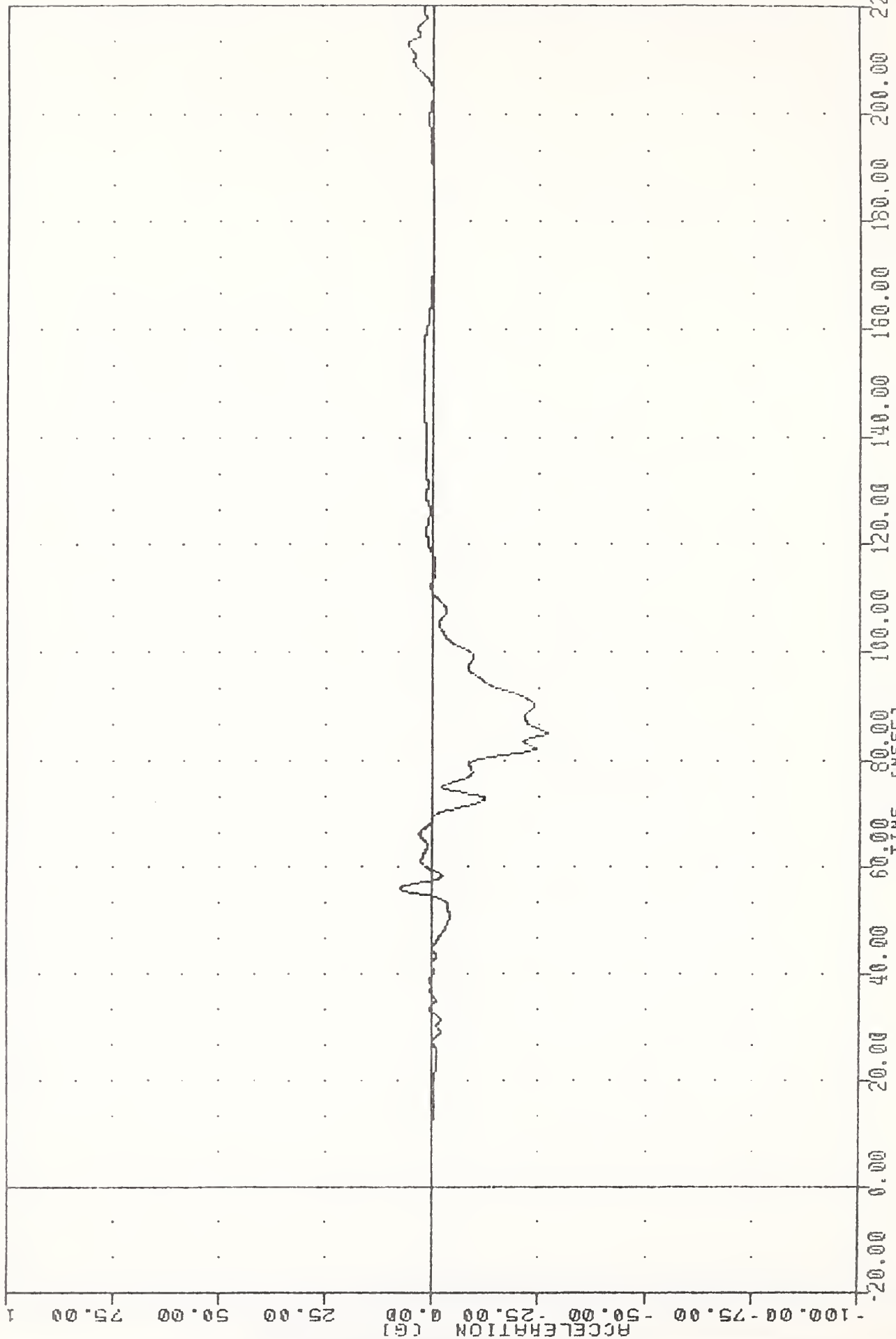
MIN, MAX VALUES = -8.90\* 95.25, 15.25 \* 98.75



AIRBAG DEMONSTRATION PROGRAM

CHEST ACCELERATION Y AXIS 5TH PERCENTILE

1 VAR 1 1, 00363-214 PLOT DATE 27-OCT-85 14:49:56  
AIRBAG DEMONSTRATION PROGRAM  
83300  
CSTZ63  
FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -26.74 85.00, 7.62 56.00

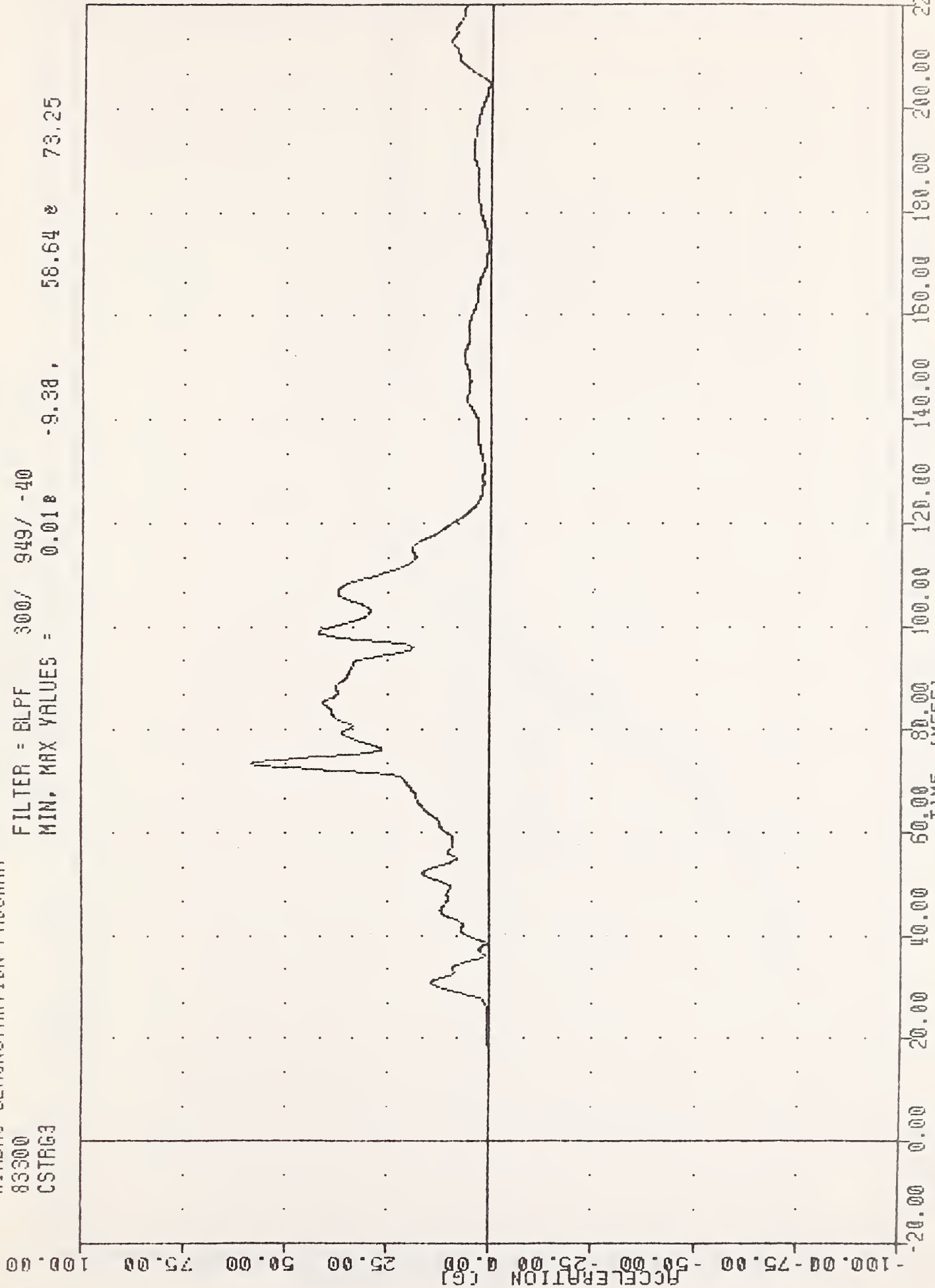


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 5TH PERCENTILE

VRTC , R0583-2-14 PLOT DATE 27-OCT-83 14:49:56

AIRBAG DEMONSTRATION PROGRAM  
83300  
CSTRG3

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = 0.01g -9.3g, 58.64g 73.25



AIRBAG DEMONSTRATION PROGRAM  
CHEST RESULTANT ACCELERATION 5TH PERCENTILE

PLOT DATE 27-OCT-83 14:49:56

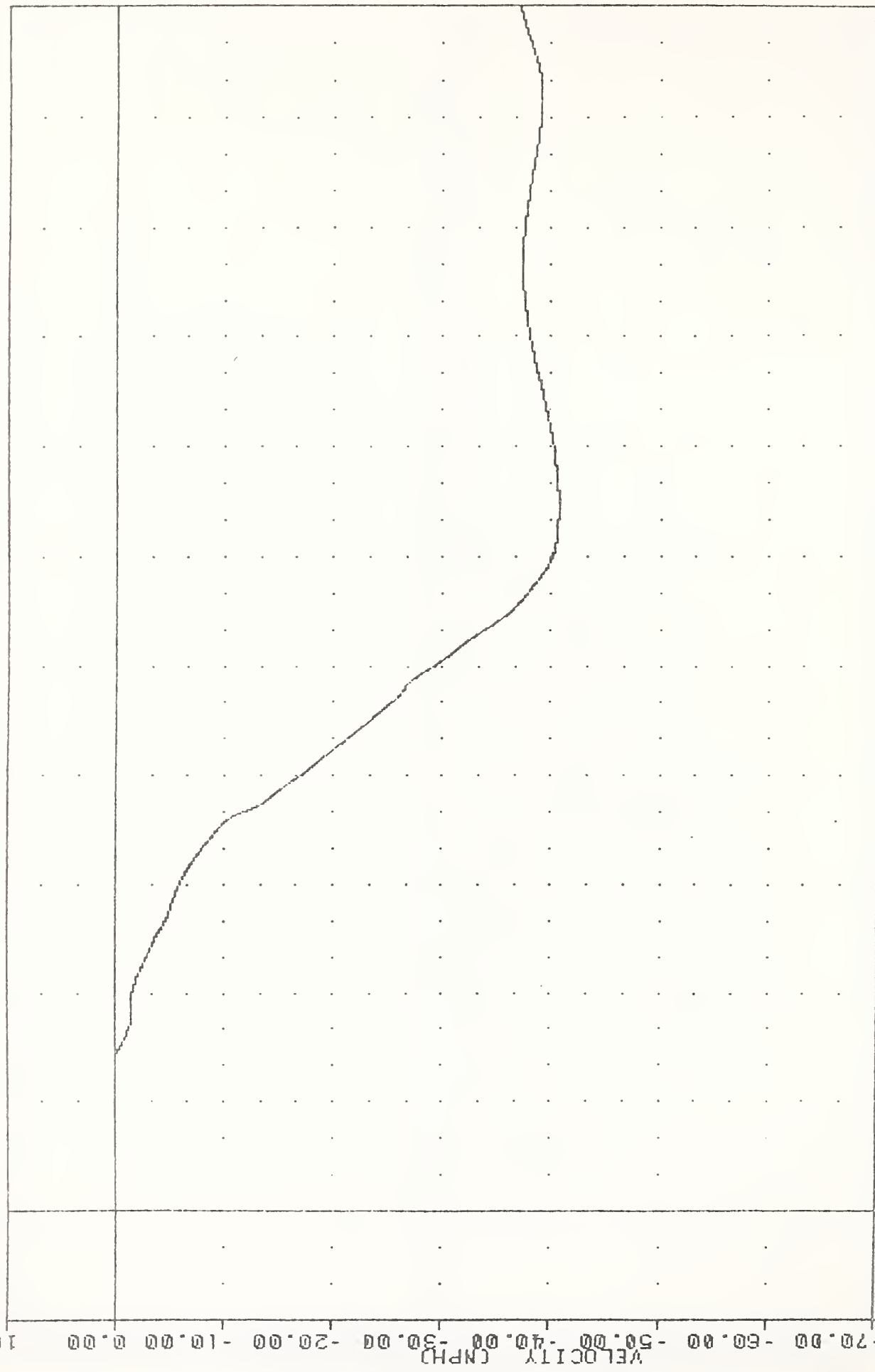
VRTC R0583-2-14

AIRBAG DEMONSTRATION PROGRAM

83500

CSTXV3

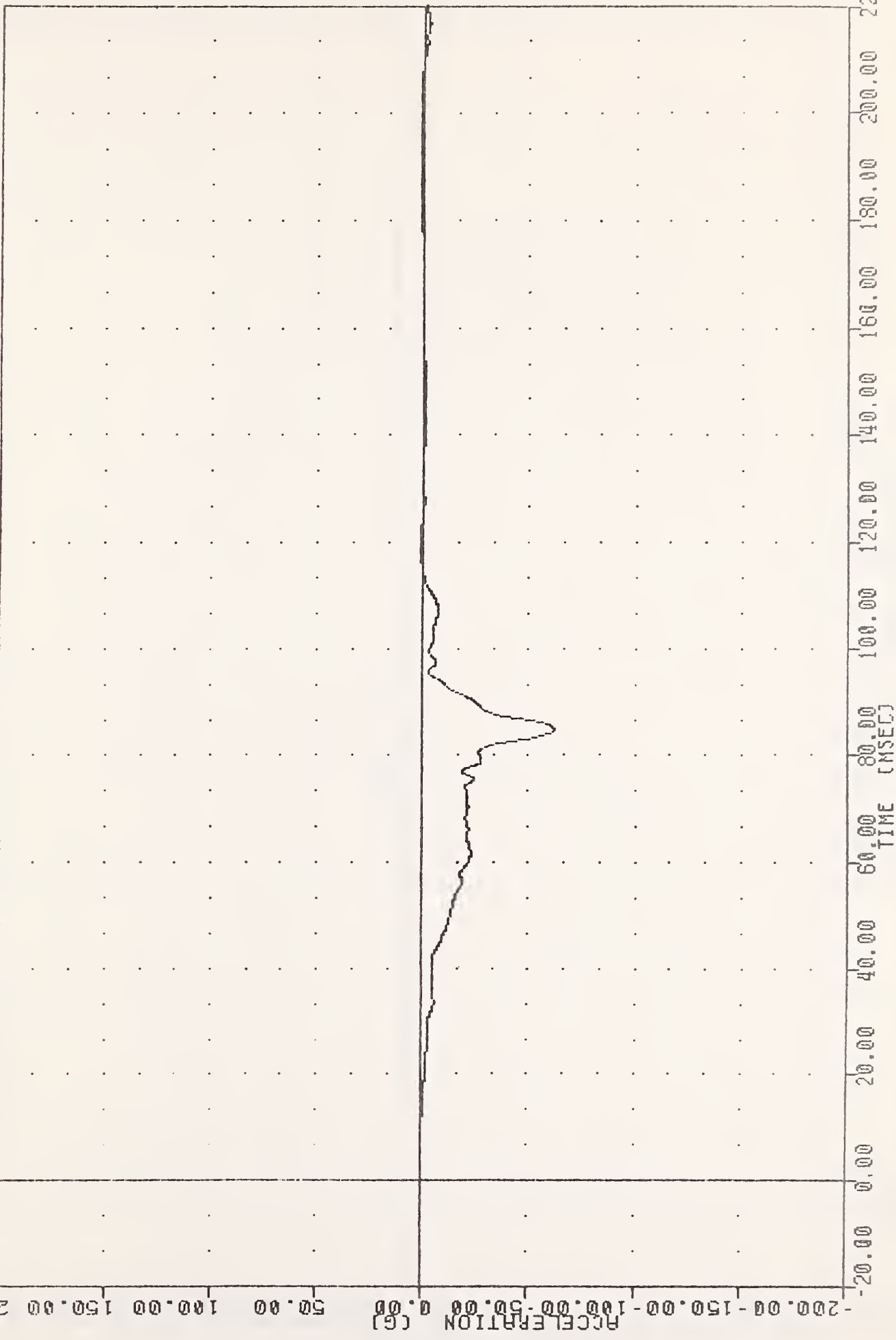
FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -40.71e 129.13, 0.00 & -9.38



VELOCITY (MPH) TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY X AXIS 5TH PERCENTILE

VRTC , R0583-2-14 PLOT DATE 27-OCT-83 14:49:56  
 AIRBAG DEMONSTRATION PROGRAM  
 83300  
 PEYX63  
 FILTER = BLPF 300/ 949/ -40  
 MIN, MAX VALUES = -62.15e 84.75, 1.62 e 189.13

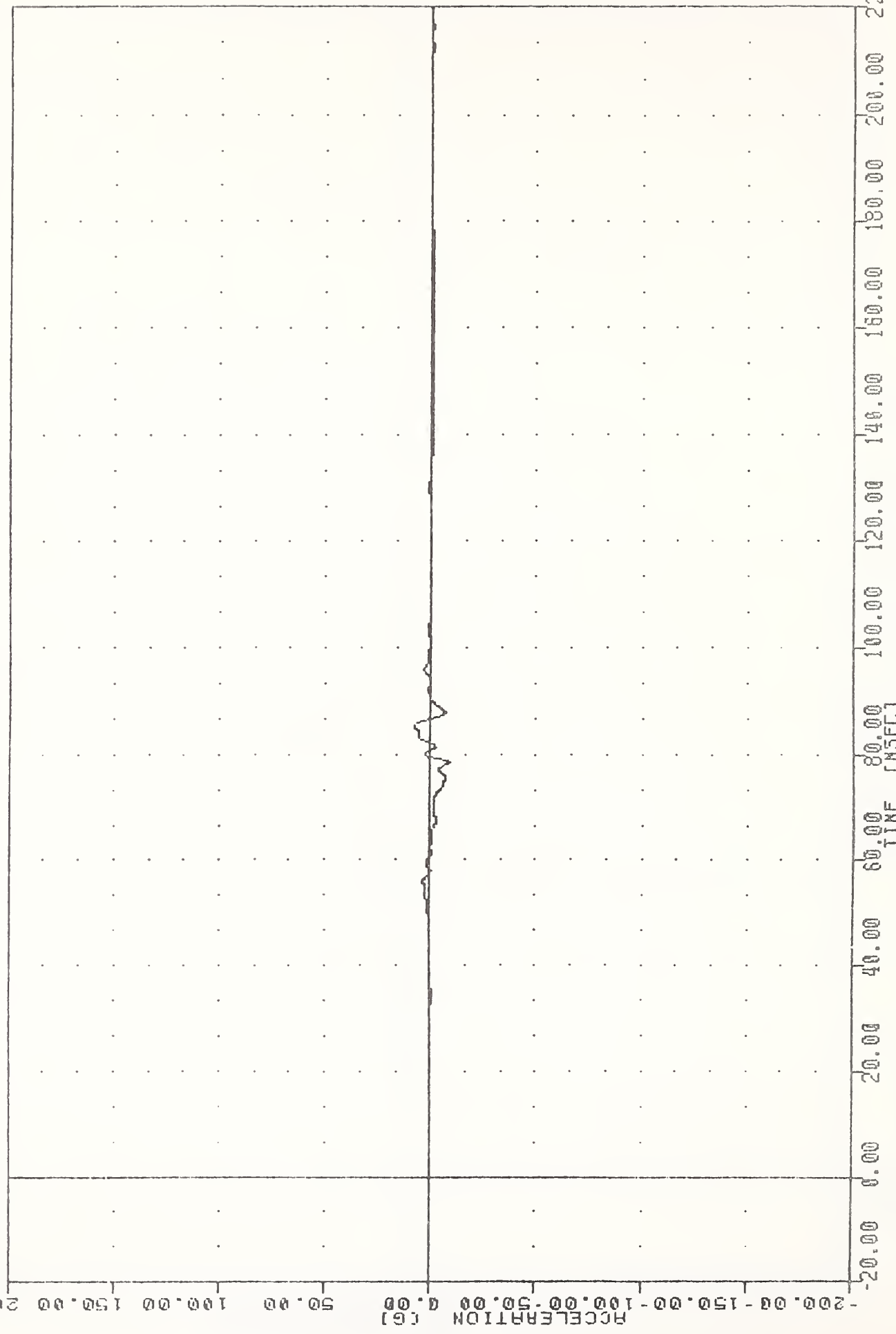


AIRBAG DEMONSTRATION PROGRAM  
 PELVIS ACCELERATION X AXIS 5TH PERCENTILE

VATC , RD583-2-14  
AIRBAG DEMONSTRATION PROGRAM  
83300  
PEVY53

PLOT DATE 27-OCT-83 14:49:56

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -8.83e 78.58 , 6.13 e 85.25



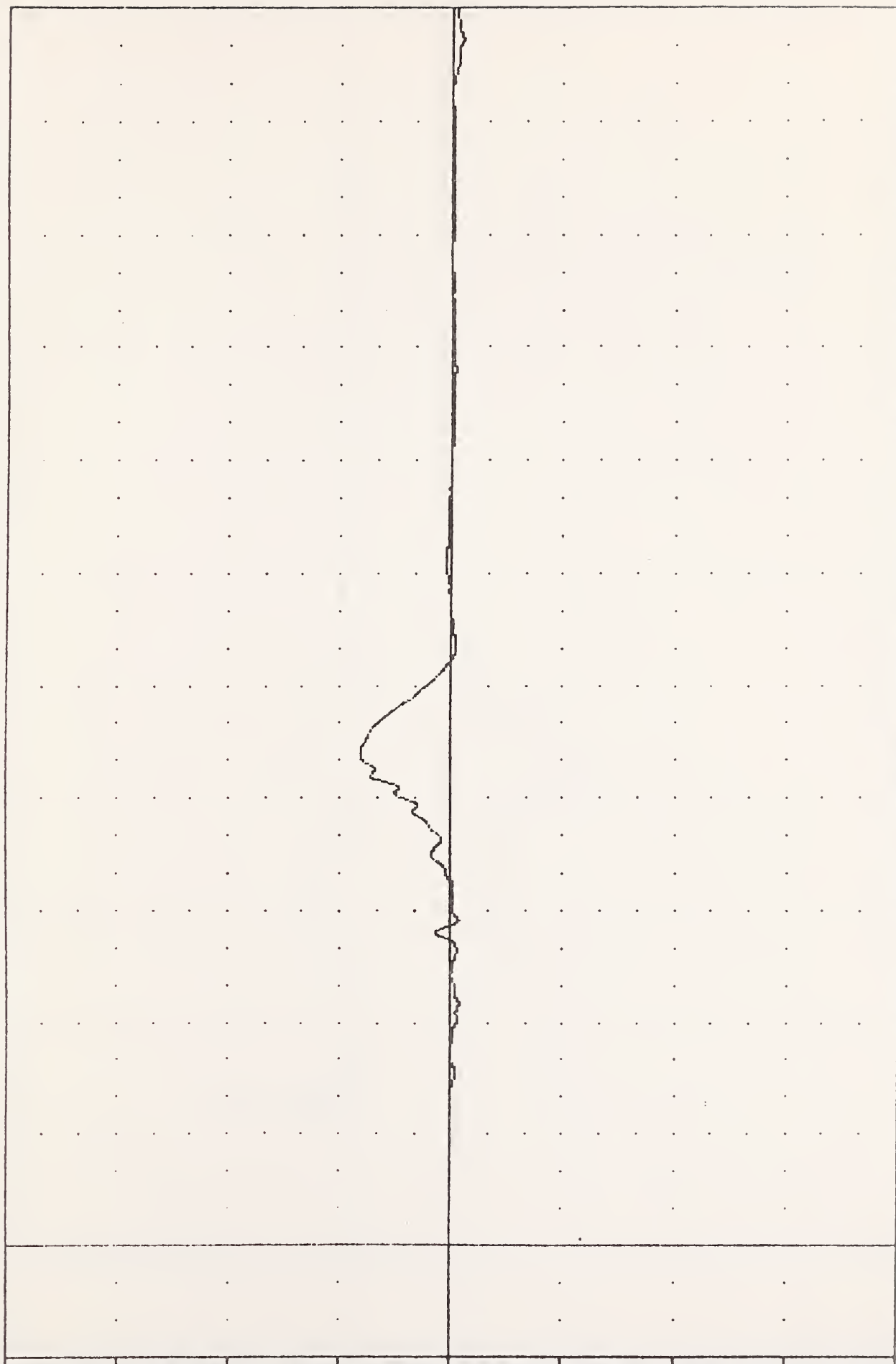
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Y AXIS 5TH PERCENTILE

VRIC , R0583-2-14 PLOT DATE 27-OCT-83 14:49:56

AIRBAG DEMONSTRATION PROGRAM  
83300  
PEYZ63

FILTER = BLFF 300/ 949/ -40  
MIN, MAX VALUES = -4.80E 214.38 , 40.49 e 88.25

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)

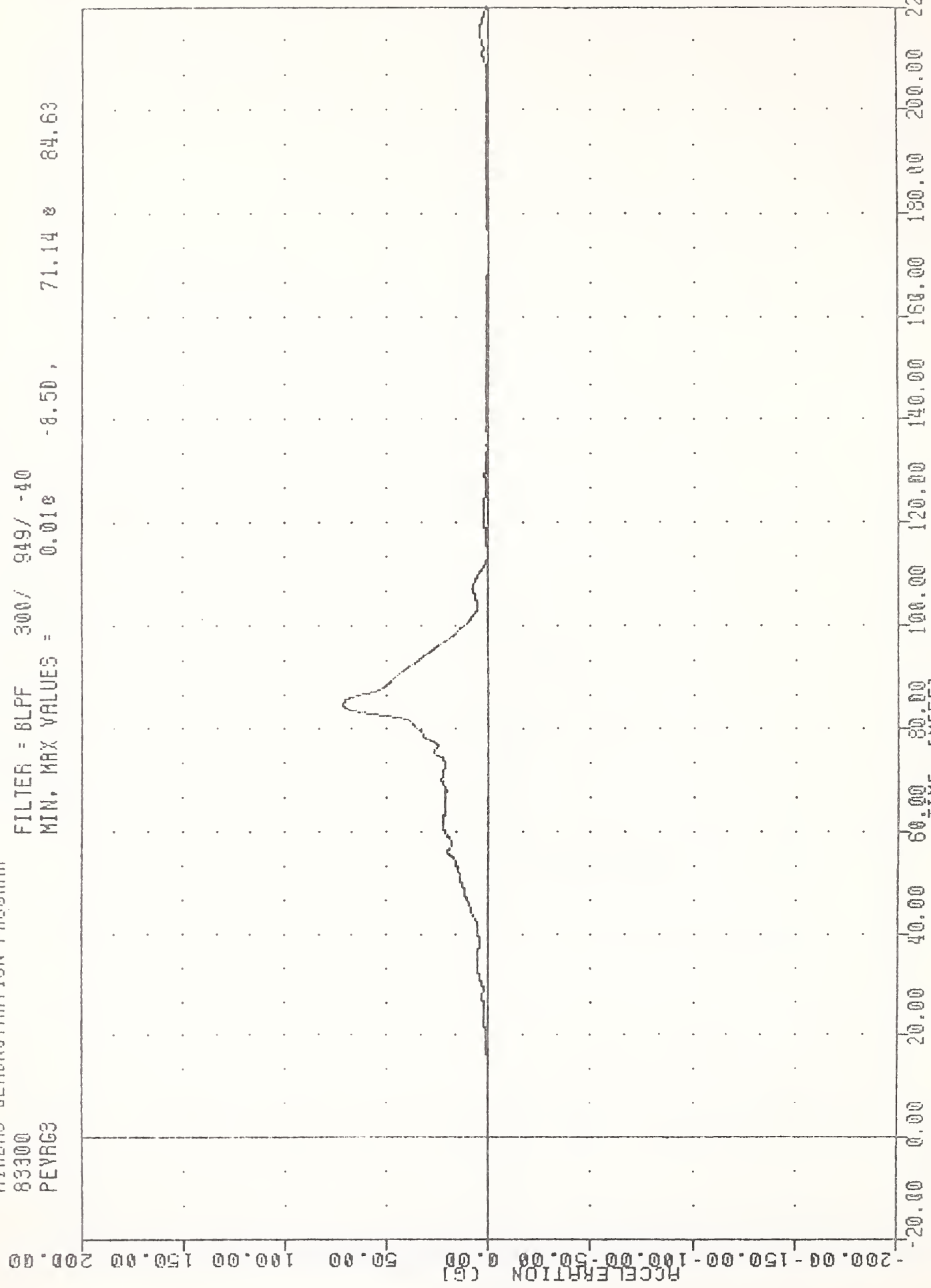
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Z AXIS 5TH PERCENTILE



PLOT DATE 27-OCT-83 14:49:56

FILTER = 6LFF 300/ 949/ -40  
MIN, MAX VALUES = 0.01g -8.50, 71.14 g 84.63

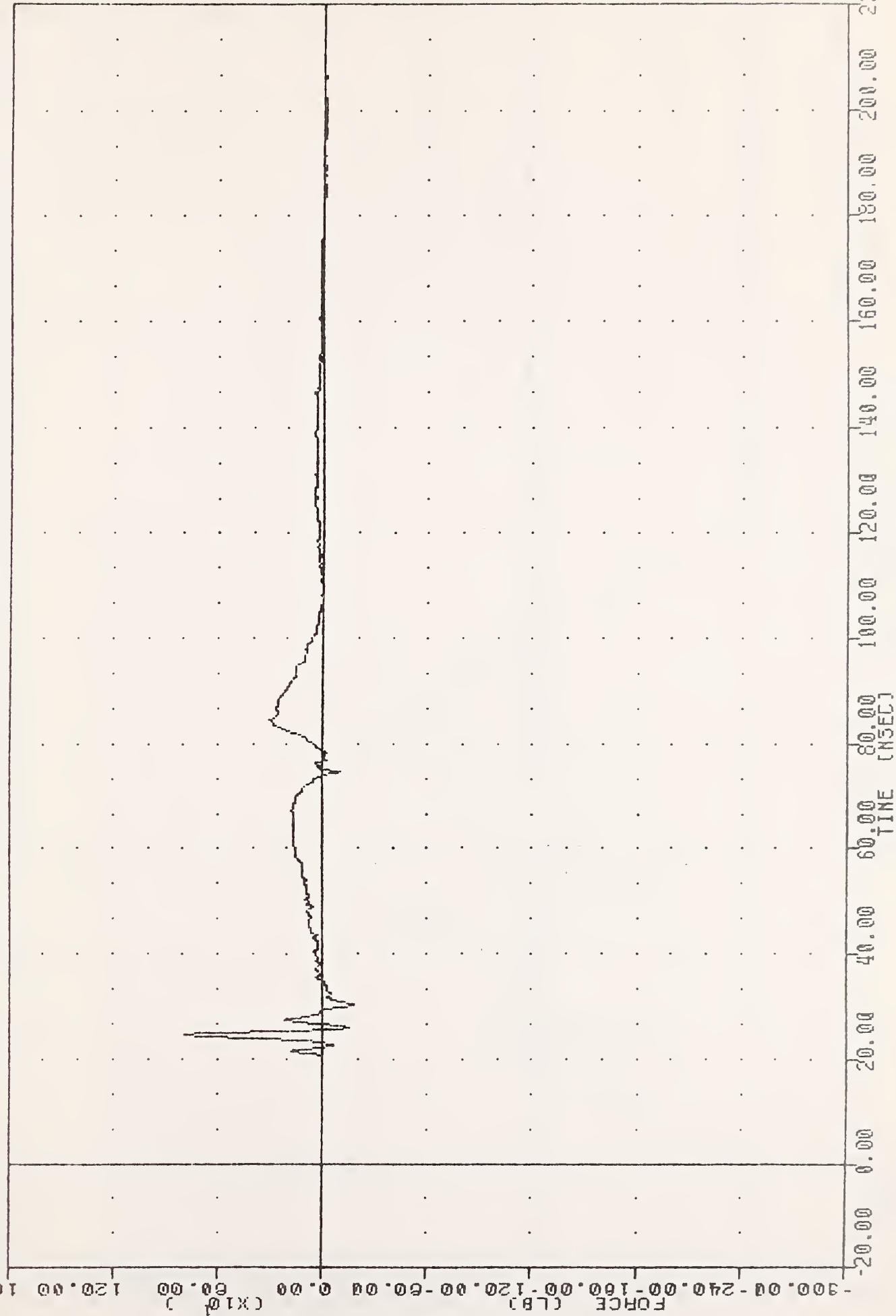
VRIC , AD583-2-14  
AIRBAG DEMONSTRATION PROGRAM  
83300  
PEYRG3



AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 5TH PERCENTILE



VRTC 1, R0583-2-14  
 AIRBAG DEMONSTRATION PROGRAM  
 83300  
 LFMFS  
 PLOT DATE 27-OCT-88 14:49:56  
 FILTER = BLPF 1000/ 3162/ .40  
 MIN, MAX VALUES = -174.02e 30.25, 791.64 e 24.38



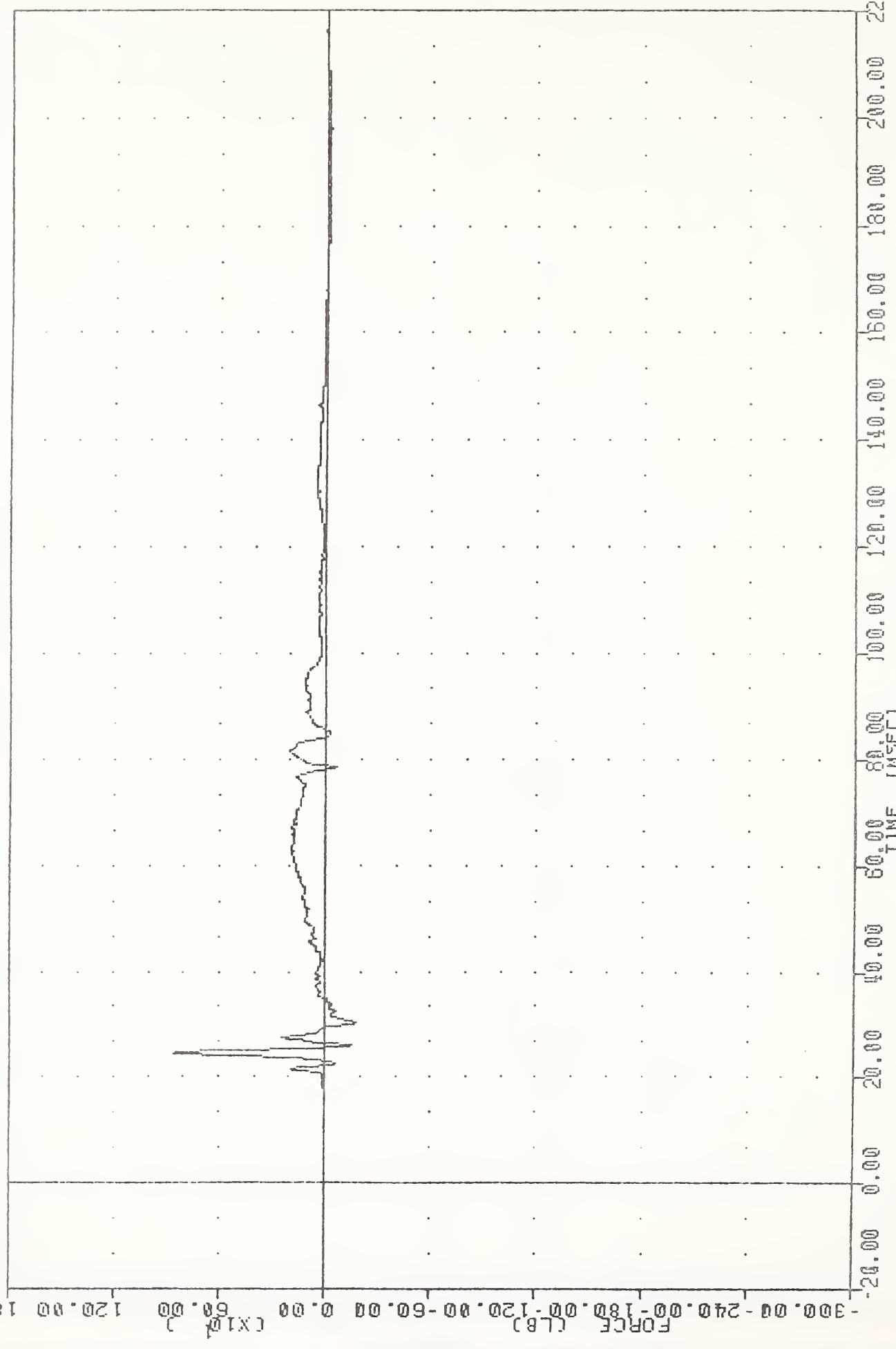
AIRBAG DEMONSTRATION PROGRAM  
 LEFT FEMUR FORCE IN LBS 5TH PERCENTILE

VRTC  
AIRBAG DEMONSTRATION PROGRAM  
83300  
AFMF3

PLOT DATE 27-OCT-83 14:49:56

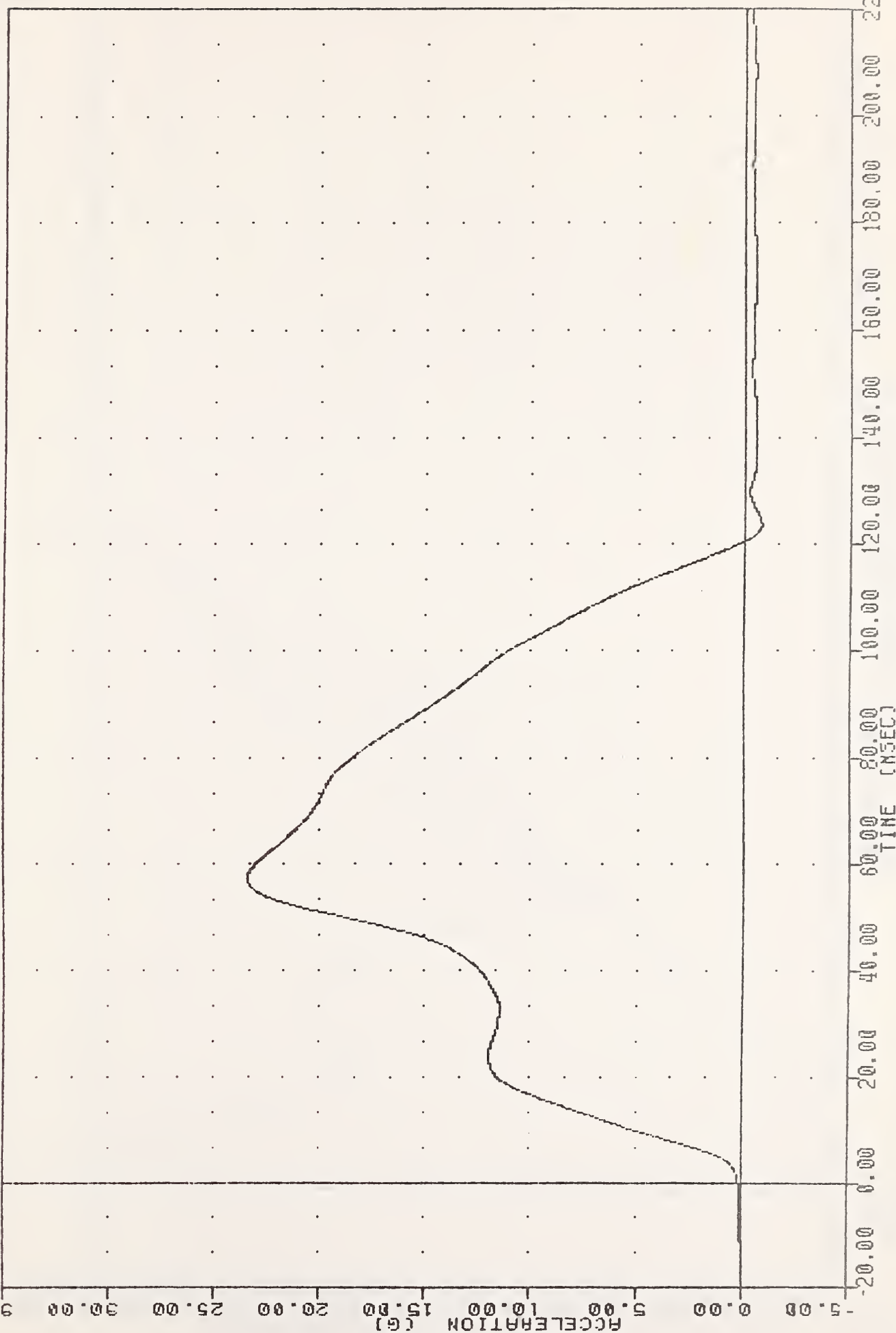
FILTER = BLFF 1000/ 3162/ -40

MIN, MAX VALUES = -181.750 30.13, 854.05 & 24.38



AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN LBS 5TH PERCENTILE

WATC , RD583-2-14  
AIRBAG DEMONSTRATION PROGRAM  
83300  
SLDX6C  
FLOT DATE 27-OCT-83 14:49:56  
FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.83e 123.63, 23.40 e 57.25

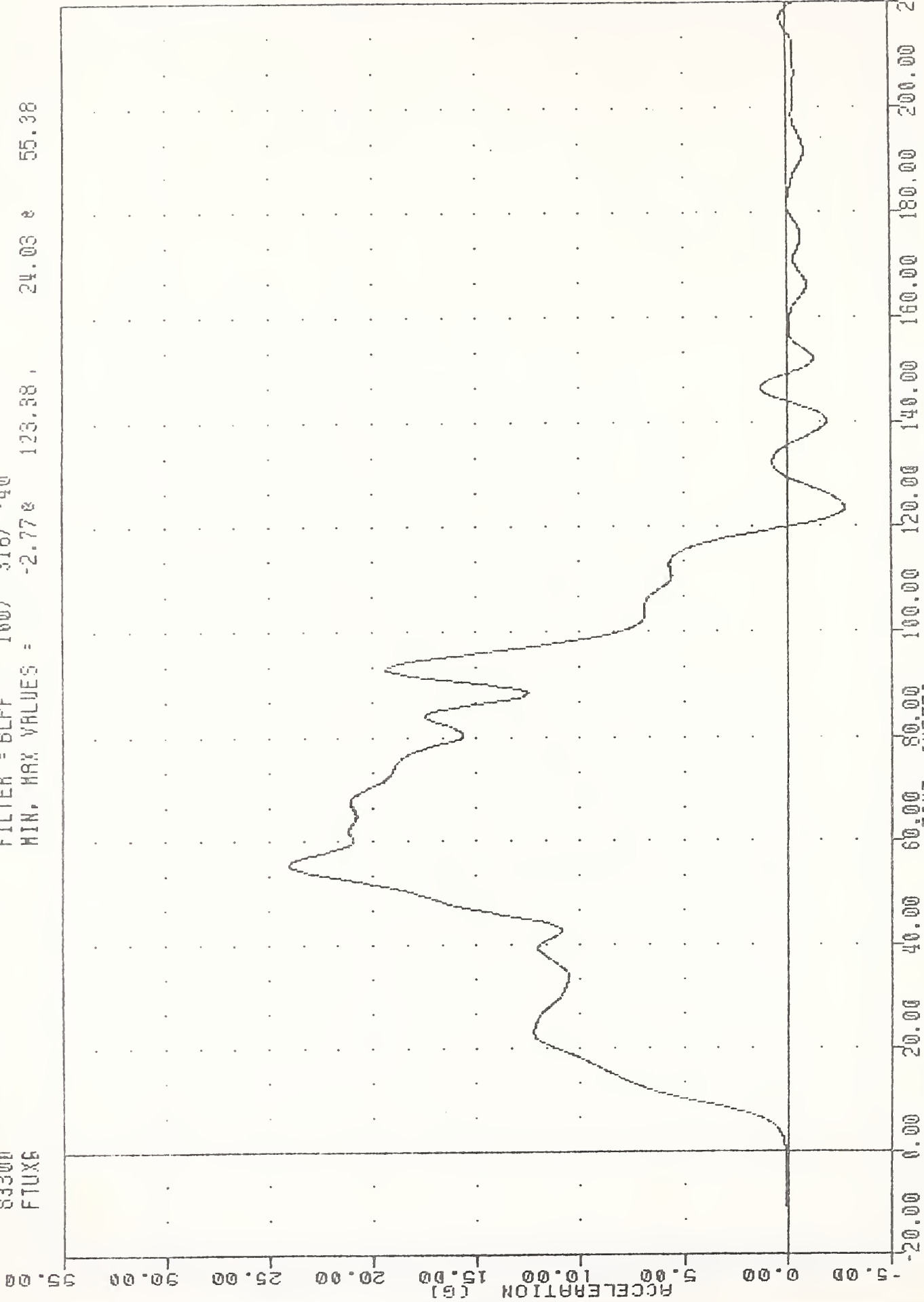


AIRBAG DEMONSTRATION PROGRAM  
SLED ACCELERATION

VATC , R0563-2-14  
AIRBAG DEMONSTRATION PROGRAM  
83300  
FTUX6

PLOT DATE 27-OCT-88 14:49:56

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -2.77e 123.88 , 24.03 e 55.38

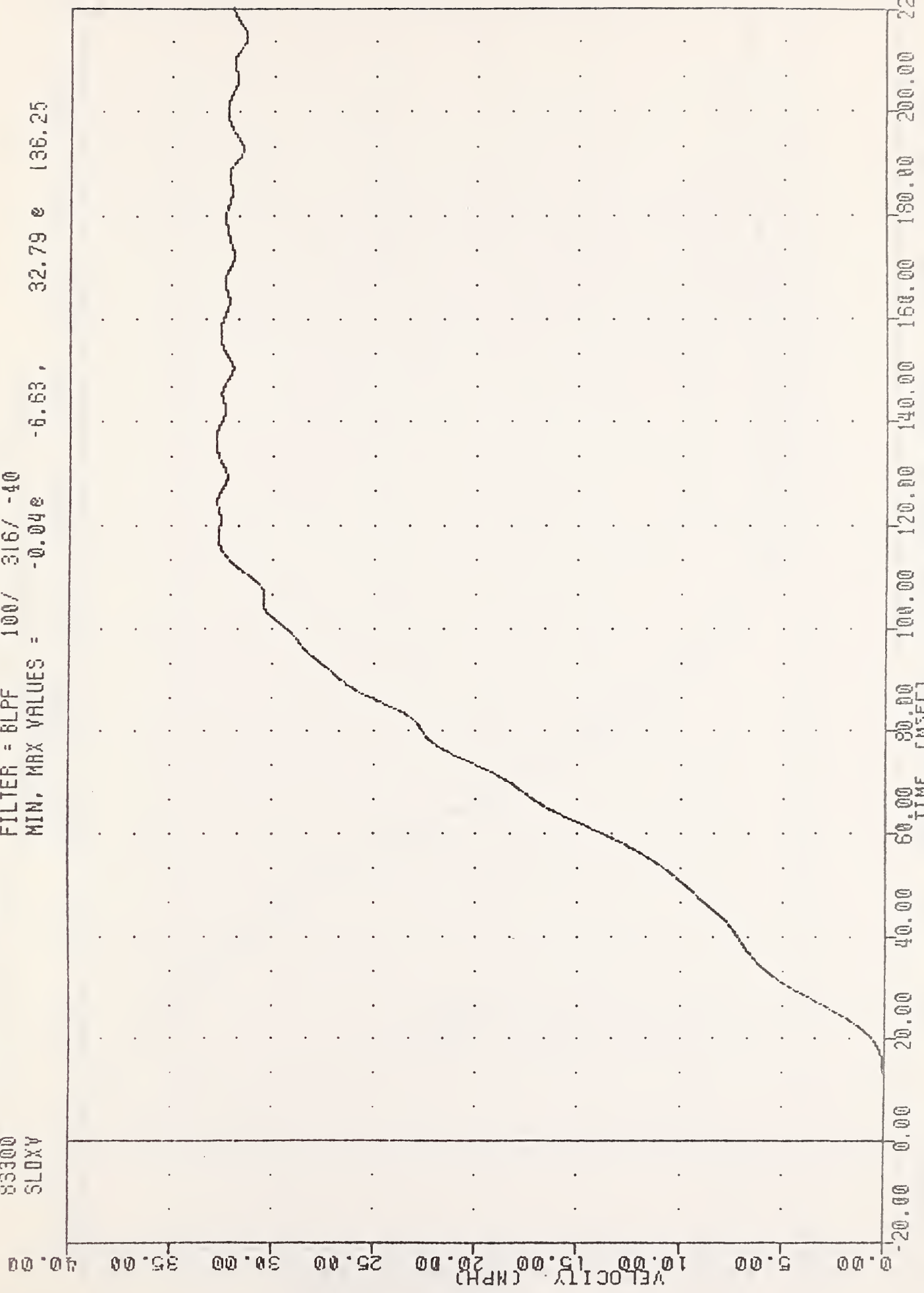


AIRBAG DEMONSTRATION PROGRAM  
FINNR PANI THINFI ACCIFRATION

PLOT DATE 27-OCT-83 14:49:56

FILTER = 6LPF 100/ 316/ -40  
MIN, MAX VALUES = -0.04e -6.63, 32.79 e 136.25

VRIC , R0583-2-14<sup>4</sup>  
AIRBAG DEMONSTRATION PROGRAM  
83300  
SLOXY

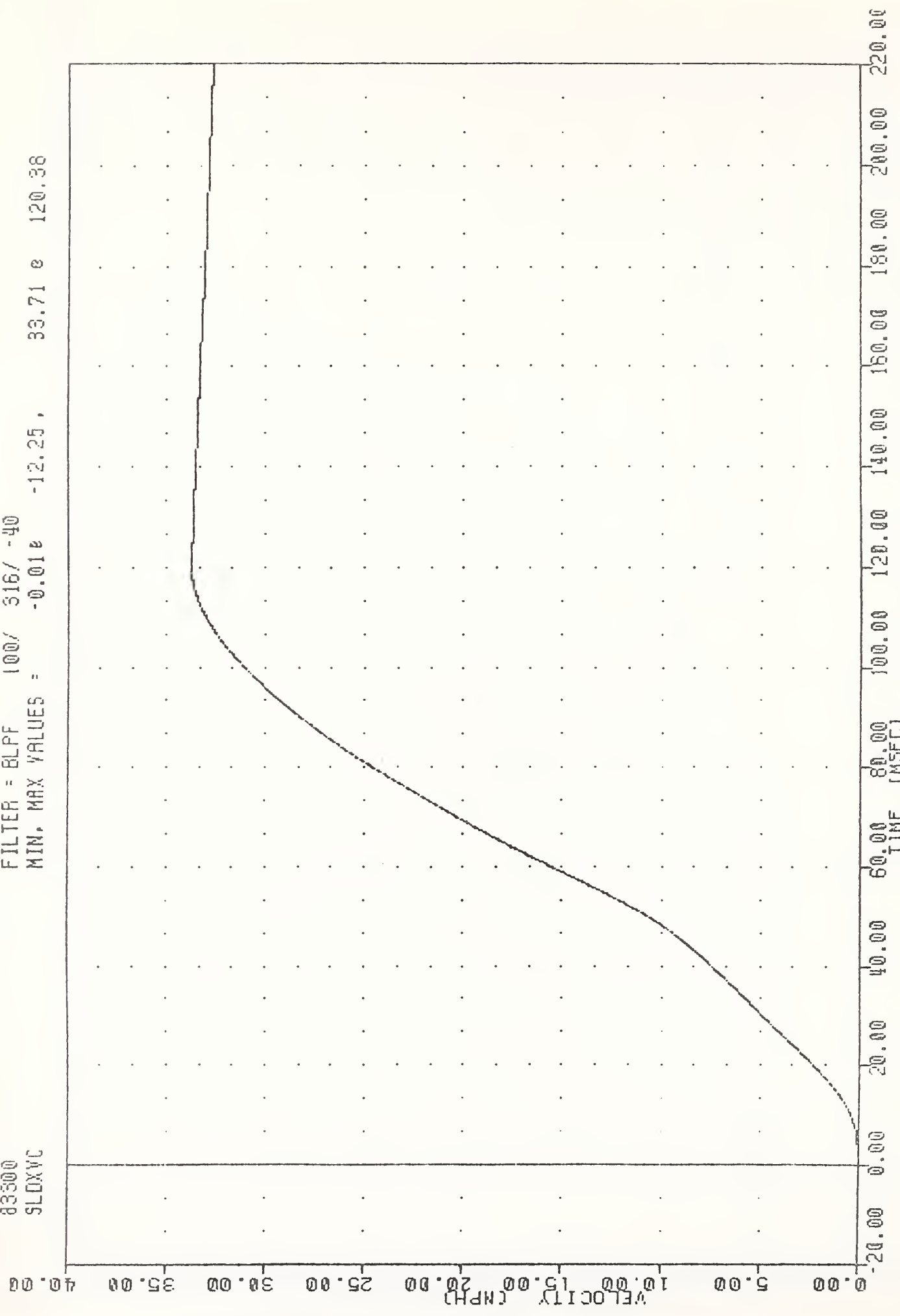


AIRBAG DEMONSTRATION PROGRAM  
SLED VELOCITY

VRTC , RD588-2-14  
AIRBAG DEMONSTRATION PROGRAM  
83300  
SLOXVC

PLOT DATE 27-OCT-83 14:49:56

FILTER = BLPF 100/ 516/ -40  
MIN. MAX VALUES = -0.01e -12.25, 33.71 e 120.38

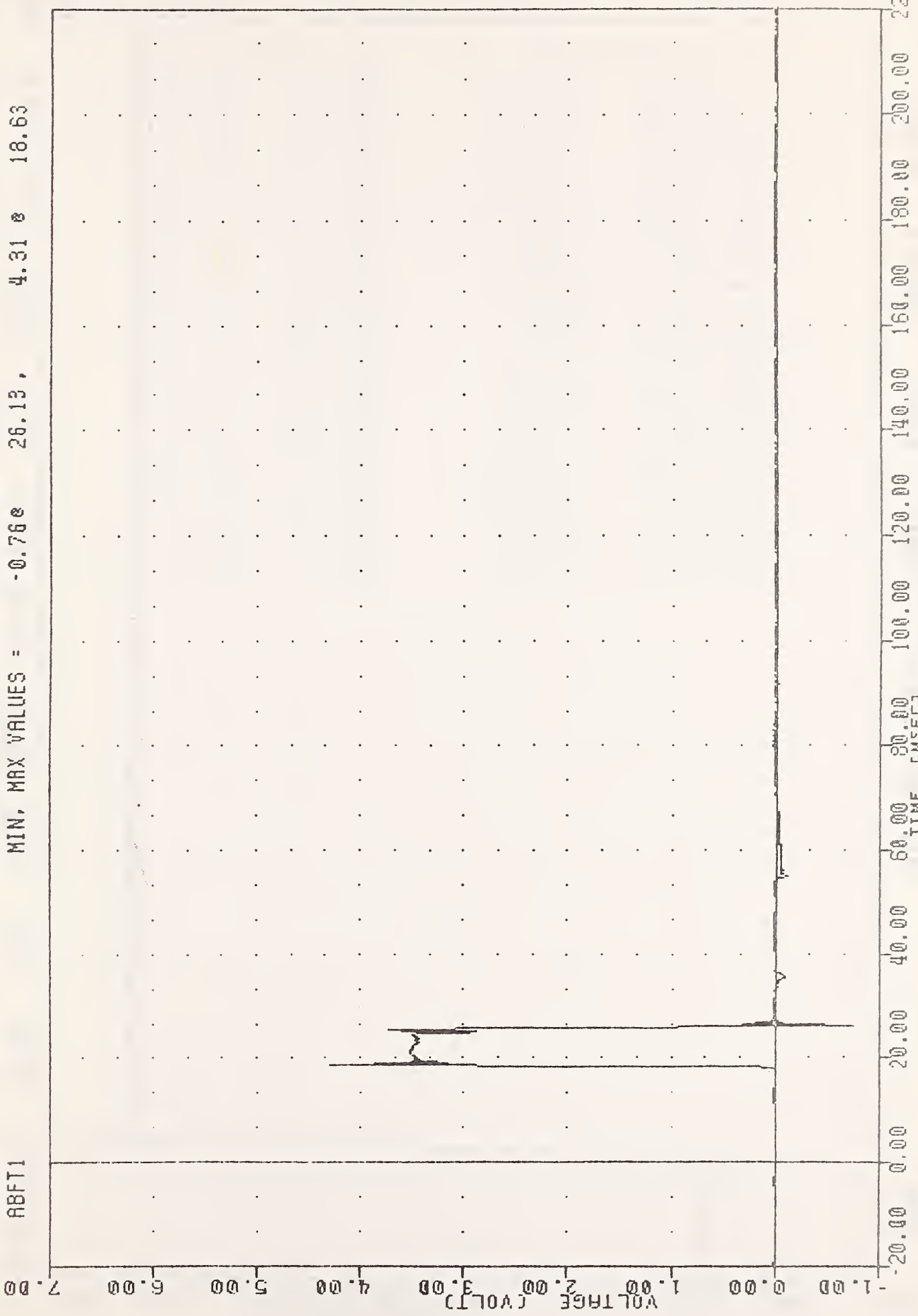


AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SLED VELOCITY

VRIC , RD583-2-14  
AIRBAG DEMONSTRATION PROGRAM  
83300  
ABFT1

PLOT DATE 27-OCT-83 14:49:56

FILTER = 5LFF 1650/ 5218/ -40  
MIN, MAX VALUES = -0.76e 26.13, 4.31 e 18.63



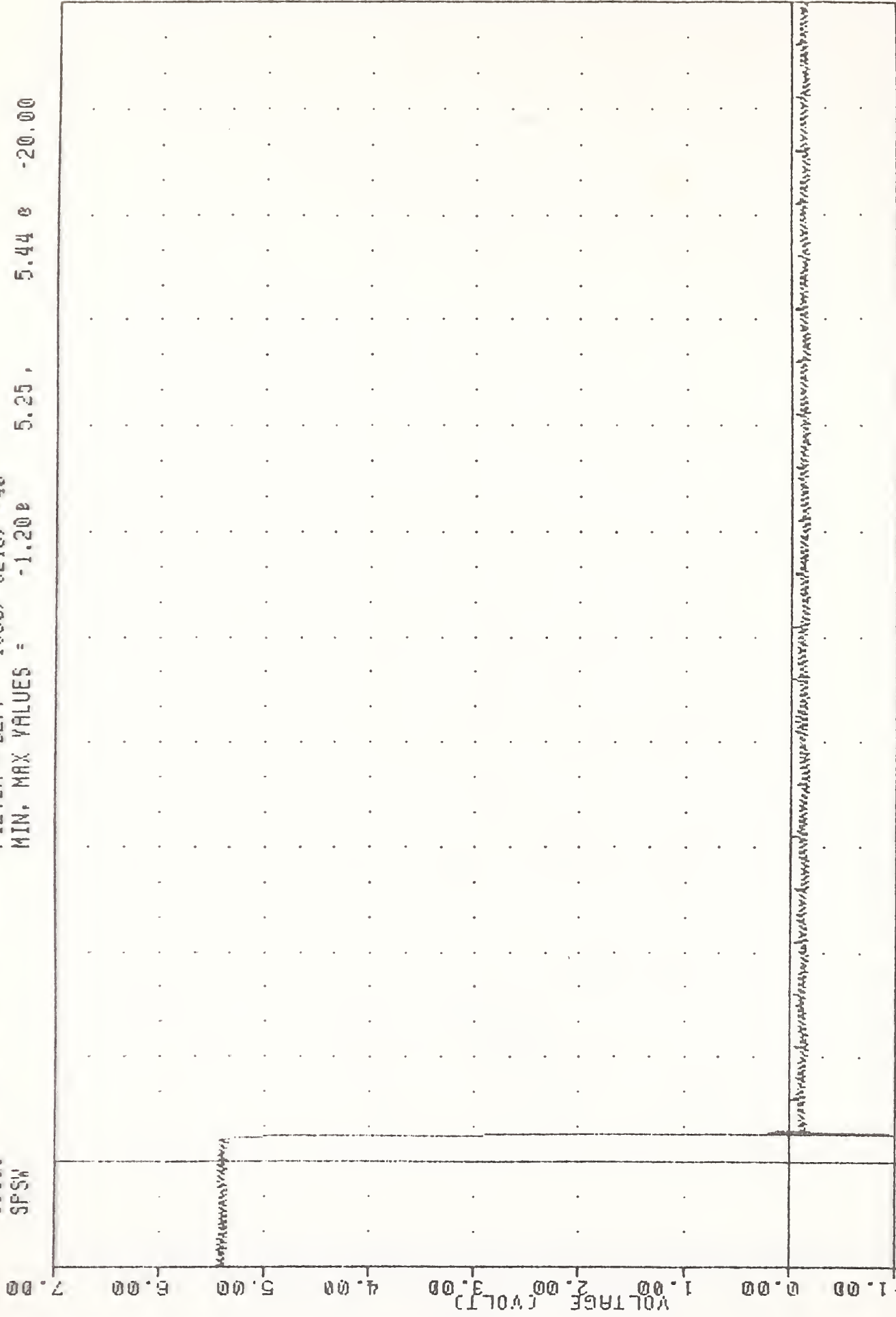
AIRBAG DEMONSTRATION PROGRAM  
AIR BAG FIRING EVENT 5TH PERCENTILE



VRTC , R0583-2-14  
 AIRBAG DEMONSTRATION PROGRAM  
 83300  
 SPSW

PLOT DATE 27-OCT-83 14:49:56

FILTER = BLPF 1650/ 5218/ -40  
 MIN. MAX VALUES = -1.20E 5.25, 5.44 E -20.00



TIME (MSEC)  
 AIRBAG DEMONSTRATION PROGRAM  
 SLED POSITION SWITCH



	Min value		Max value		Unit
SPSW	-0.351 @	5.500	5.433 @	-15.000 msec	volt
SLDXGC	-0.932 @	129.125	26.570 @	56.375 msec	g
SLDXVC	-0.010 @	-12.625	39.658 @	125.750 msec	mph
SLDXV	-0.025 @	-23.250	38.587 @	129.250 msec	mph
FTUXG	-1.494 @	128.625	30.387 @	63.750 msec	g
ABFT1	-0.811 @	26.375	4.356 @	19.000 msec	volt
HEDXG1	-59.400 @	95.625	30.903 @	200.250 msec	g
HEDXV1	-45.861 @	174.000	0.053 @	26.750 msec	mph
HEDYG1	-8.492 @	204.500	19.614 @	102.375 msec	g
HEDZG1	-29.804 @	94.750	2.396 @	26.500 msec	g
CSTXG1	-44.145 @	90.375	50.933 @	204.250 msec	g
CSTXV1	-46.685 @	196.375	0.000 @	-25.000 msec	mph
CSTYG1	-6.378 @	204.000	9.437 @	96.375 msec	g
CSTZG1	-9.226 @	203.875	16.032 @	96.000 msec	g
PEVXG1	-50.136 @	77.250	2.314 @	151.375 msec	g
PEVYG1	-5.087 @	81.750	10.828 @	55.750 msec	g
PEVZG1	-3.381 @	255.000	39.336 @	74.125 msec	g
CSTXD	-0.029 @	227.000	0.595 @	77.500 msec	in
LFMF1	-772.167 @	76.625	874.542 @	86.250 msec	lb
RFMF1	-842.679 @	77.875	131.670 @	49.500 msec	lb
SHBF1	-7.167 @	220.375	1629.274 @	77.000 msec	lb
HEDRG1	0.015 @	-24.875	67.595 @	95.625 msec	g
CSTRG1	0.002 @	-1.500	52.015 @	204.250 msec	g
PEVRG1	0.014 @	-15.625	62.905 @	73.625 msec	g

\*\*\* HIC computation for TRC2251 28-OCT-83 14:39:20

HEOR61 VRTC R0583-2-15 83301 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 67.59 @ 95.625

HIC = 664.21 Interval from 76.375 [ 812] to 110.625 [1086]

HIC = 436.81 Interval from 87.500 [ 901] to 102.500 [1021]

Elapsed time = 12.71 sec

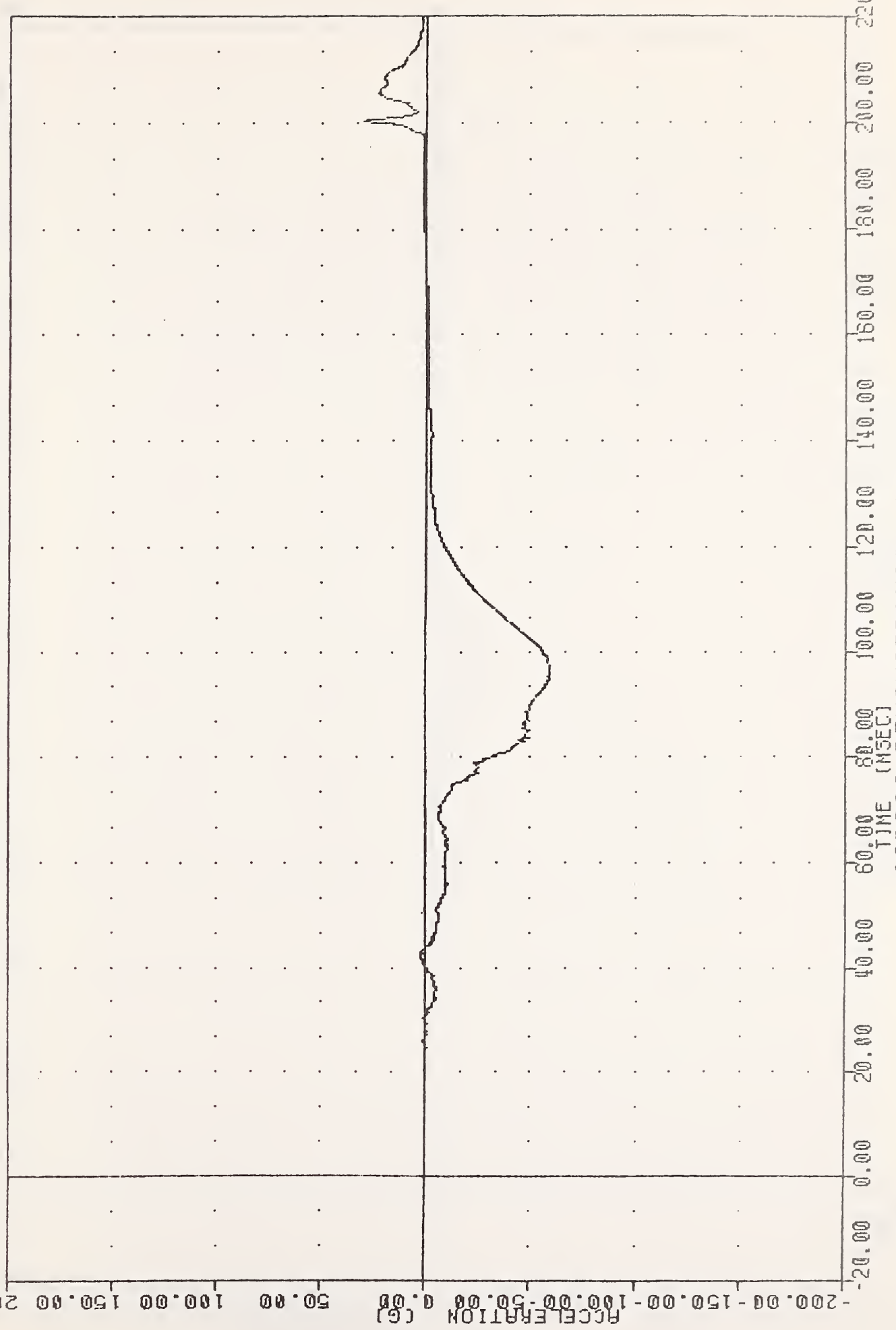
Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

VRTC , R0583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
HEDXG1

PLOT DATE 28-OCT-83 14:34:41  
FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -59.40 95.63, 30.90 200.25

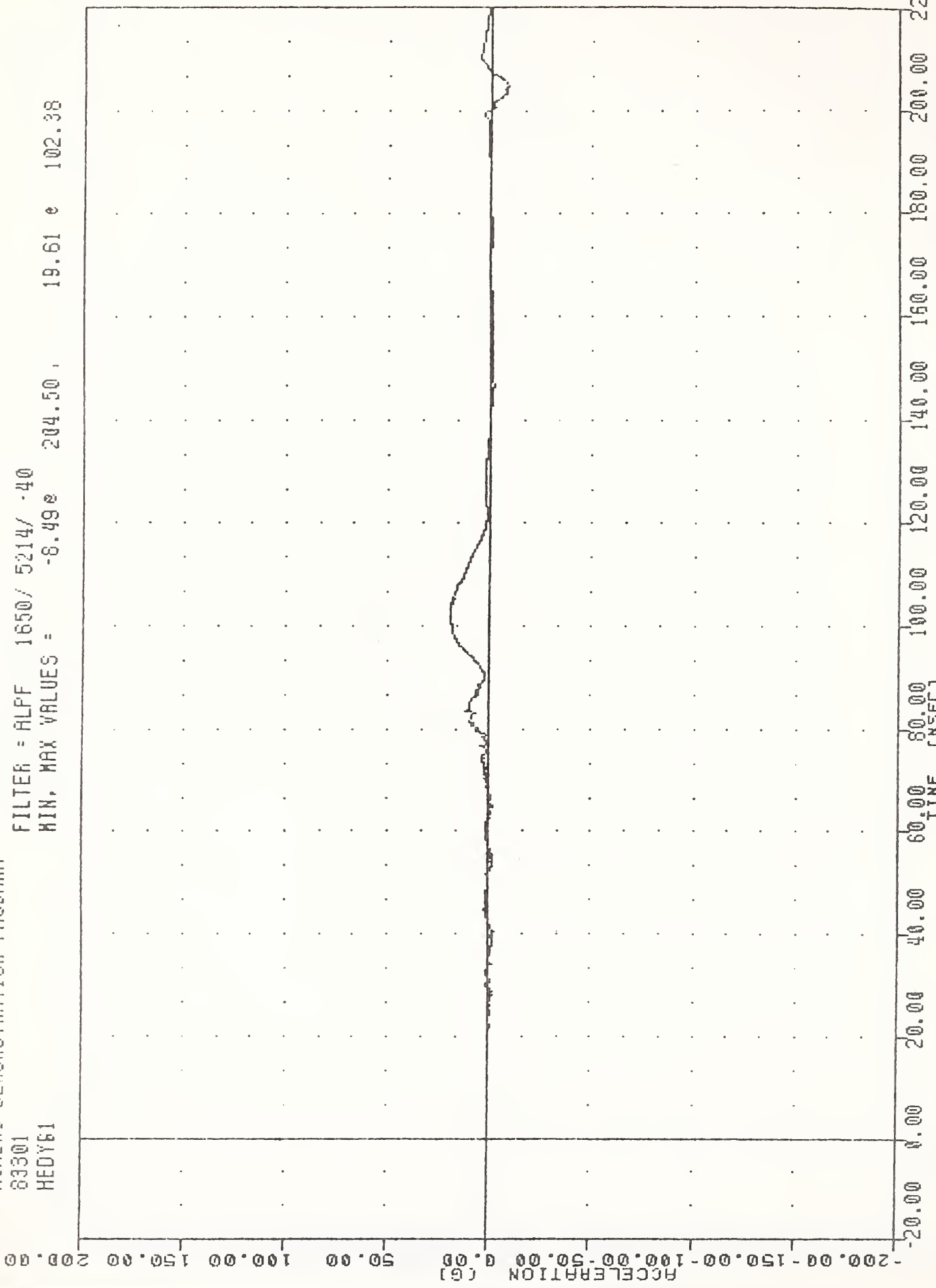


AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION X AXIS 50TH PERCENTILE

VATC , RD553-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
HEDY61

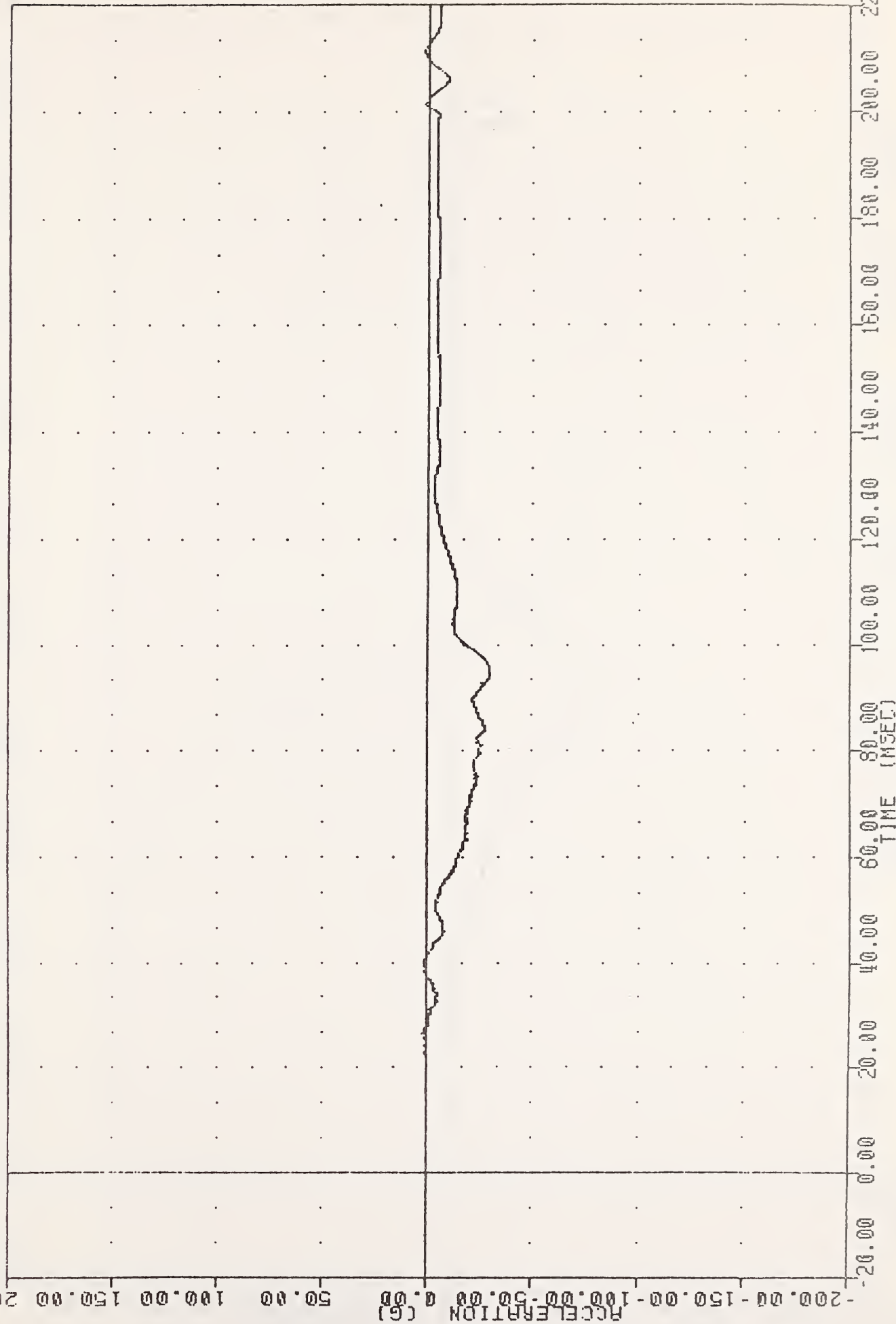
PLOT DATE 28-OCT-83 14:34:41

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -8.49e 204.50 , 19.61 e 102.38



AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

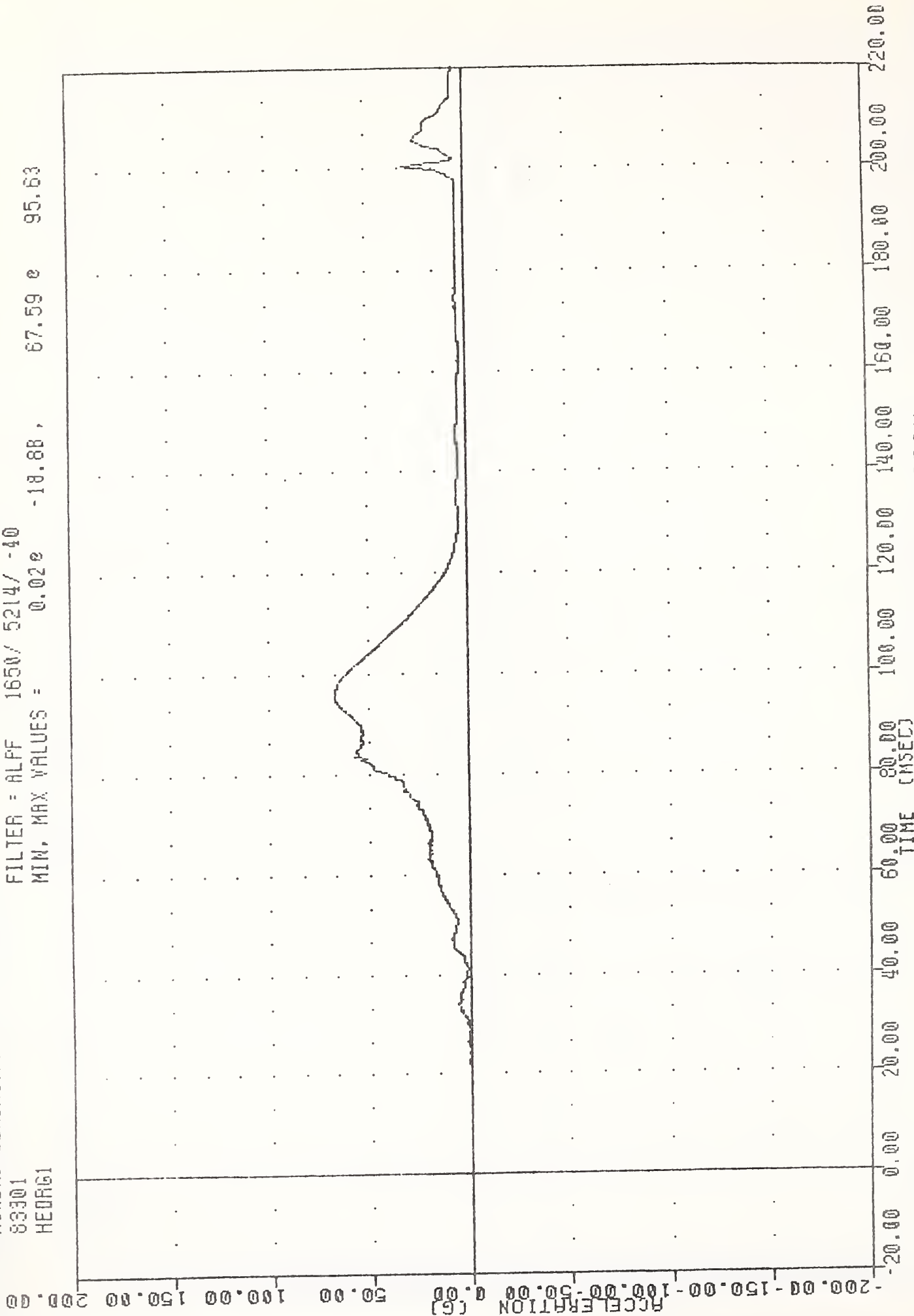
1 YRIC 1 1 , R0583-2-15  
 AIRBAG DEMONSTRATION PROGRAM  
 83301  
 HEDZG1  
 FLOT DATE 28-OCT-83 14:34:41  
 FILTER = ALPF 1650/ 5214/ -40  
 MIN. MAX VALUES = -29.80e 94.75, 2.40 e 26.50



AIRBAG DEMONSTRATION PROGRAM  
 HEAD ACCELERATION Z AXIS 50TH PERCENTILE

PLUT DATE 20 00 00  
AIRBAG DEMONSTRATION PROGRAM  
83301  
HEAD01

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = 0.02e -18.88, 67.59 e 95.63

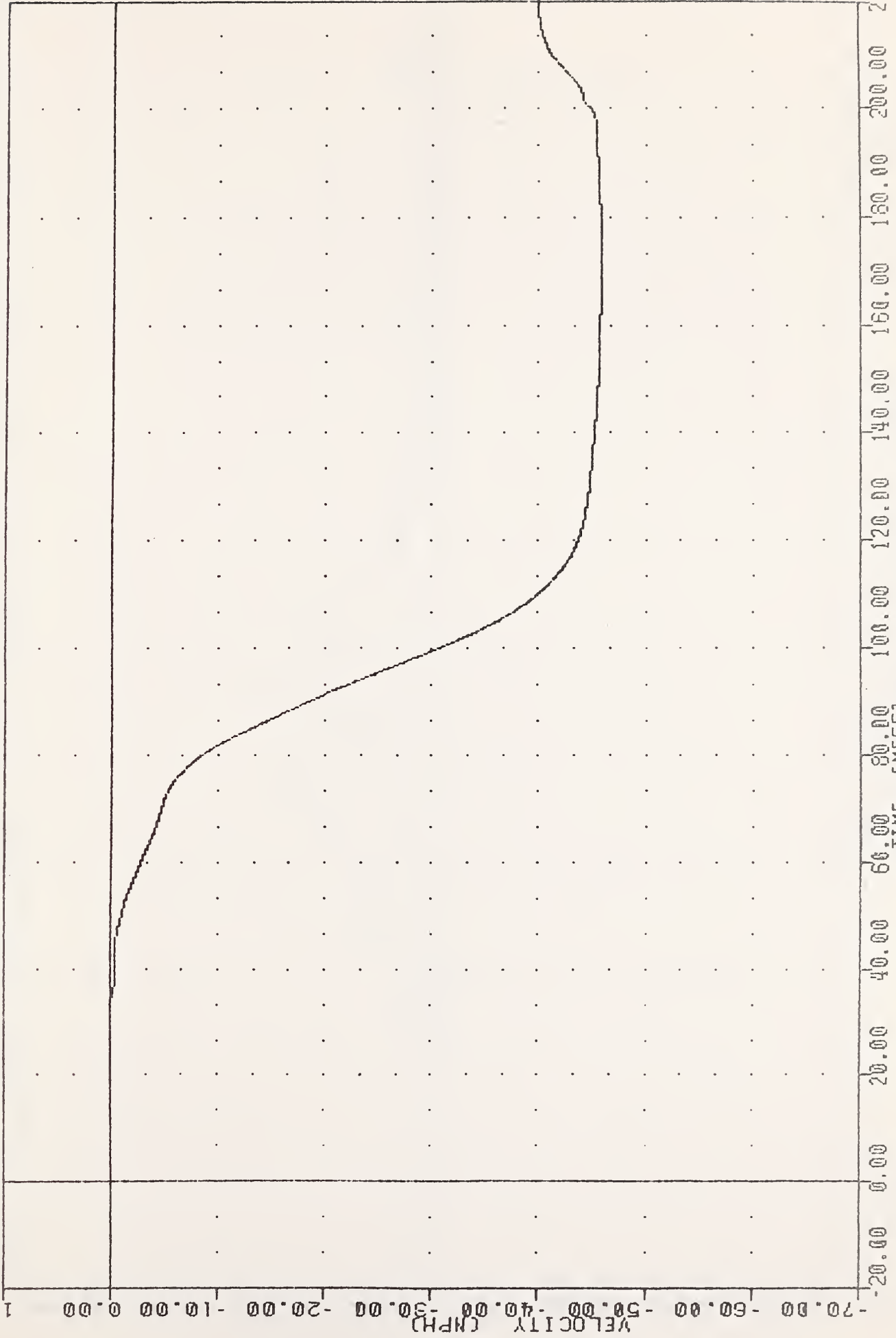


AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

VRTC , RD583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
HEADV1

PLOT DATE 28-OCT-83 14:34:41

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -45.86e 174.00, 0.05 e 26.75



AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS 50TH PERCENTILE



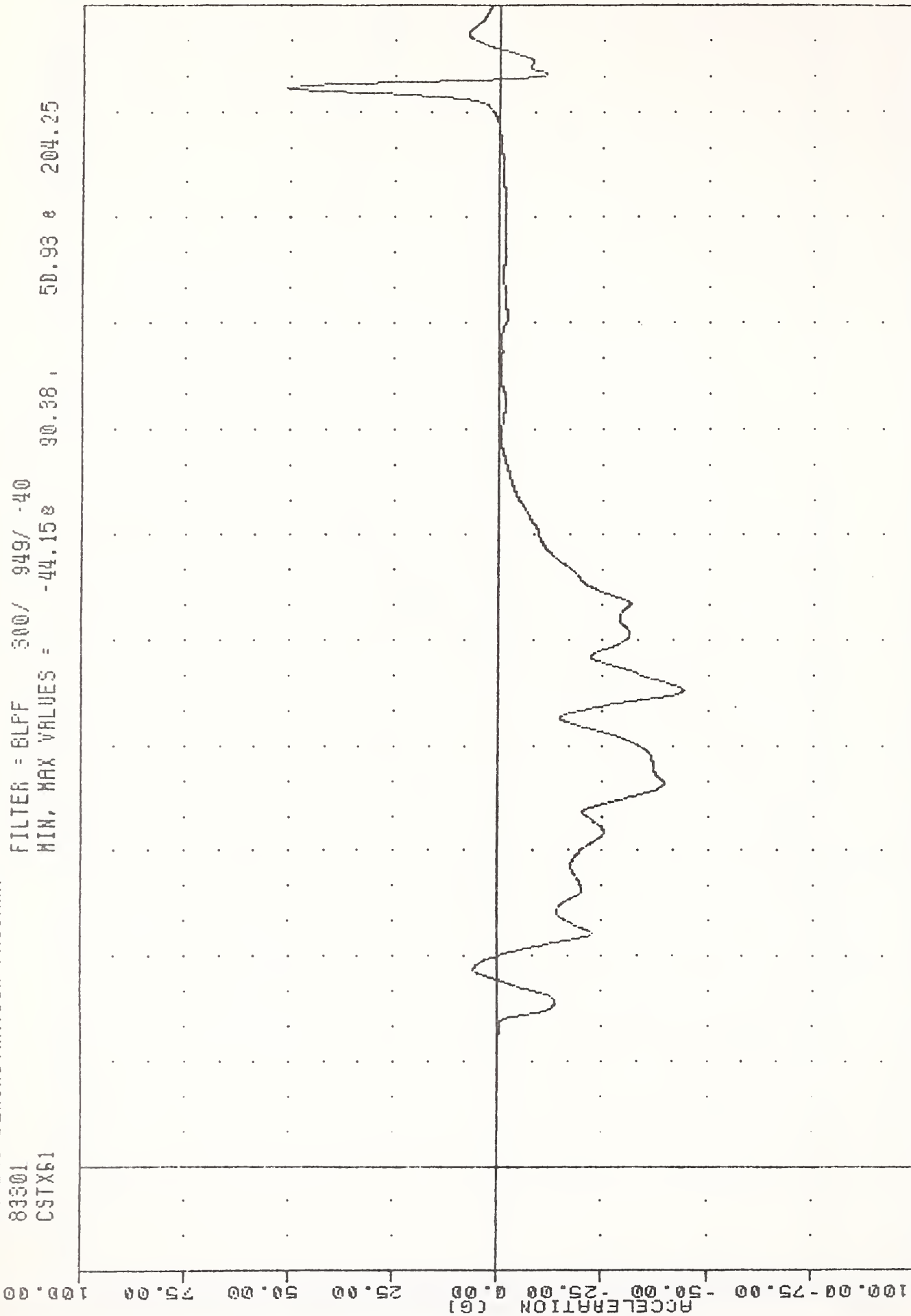
PLOT DATE 28-OCT-83 14:34:41

VRTC , R0583-2-15  
AIRBAG DEMONSTRATION PROGRAM

83301  
CSTX61

FILTER = BLPF 500/ 949/ -40  
MIN, MAX VALUES = -44.15e 90.38 ,

50.93 e 204.25



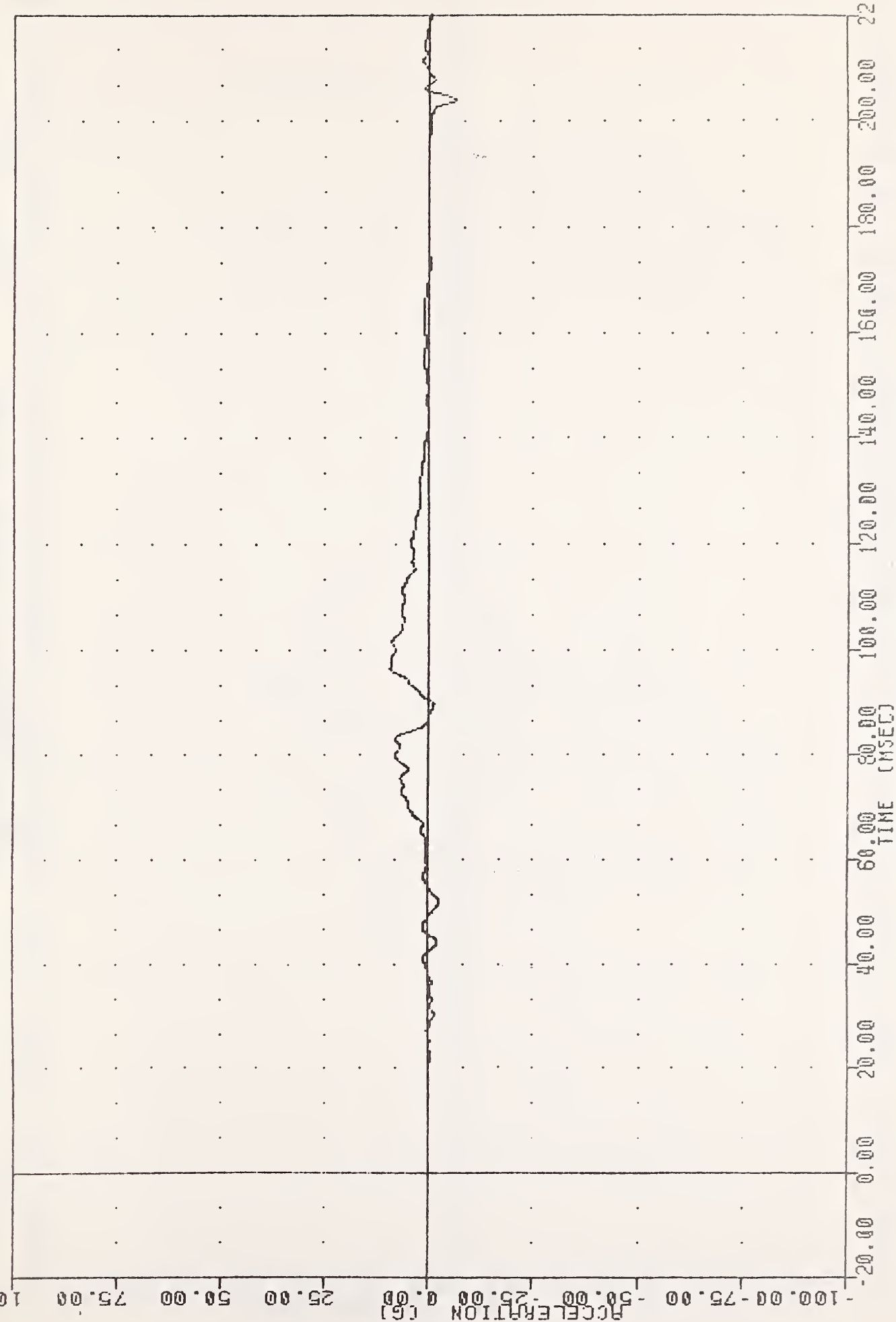
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 50TH PERCENTILE



PLV, DRTL 20 OCT-60 14:34:41  
AIRBAG DEMONSTRATION PROGRAM  
83301  
CSTYGI

FILTER = 8LPF 300/ 949/ -40  
MIN. MAX VALUES = -6.38e 204.00, 9.44 e 96.38



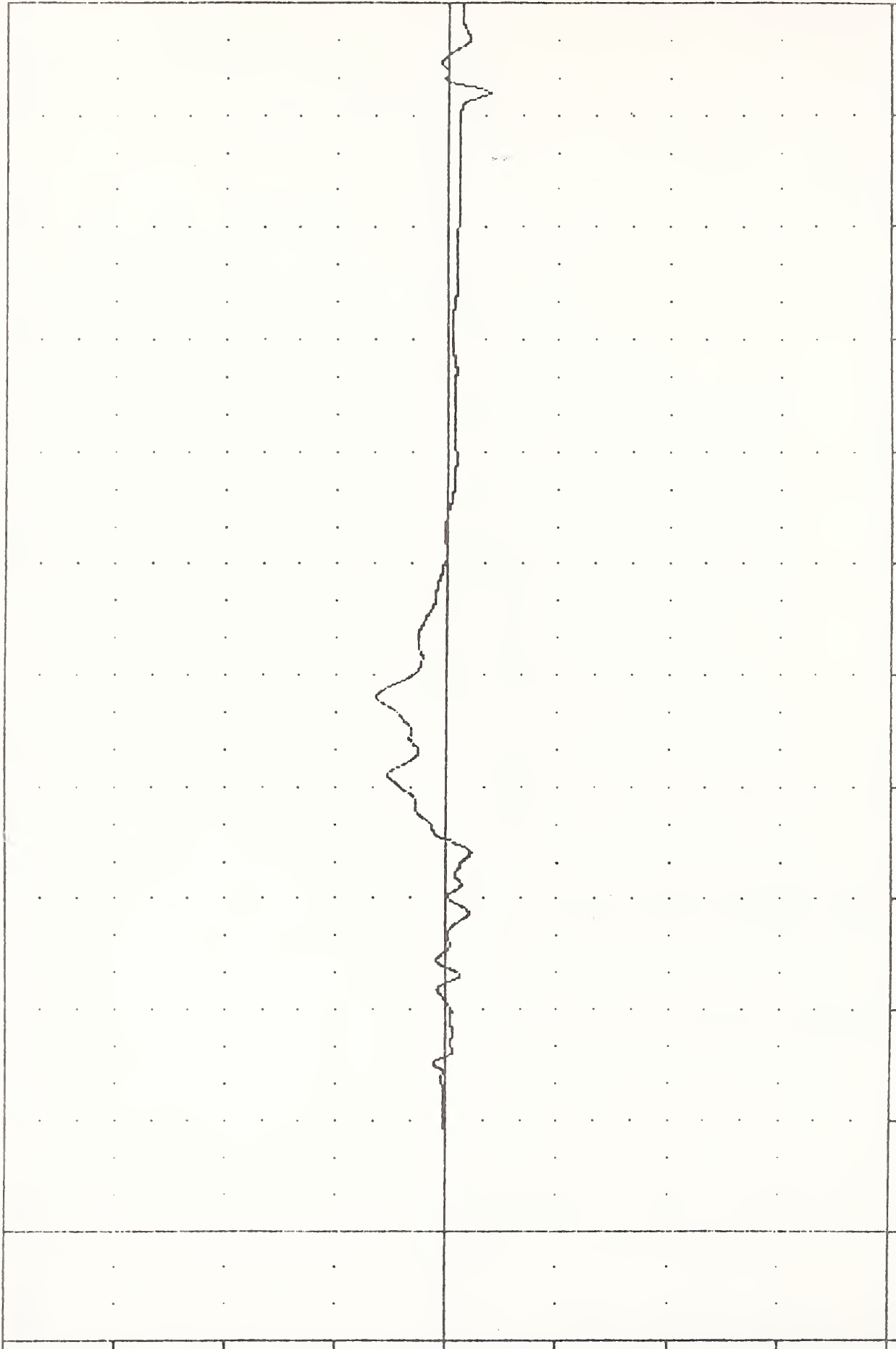
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

PL07 DATE 28-ULI-83 14:34:41

FILTER = BLPF 300 / 949 / -40  
MIN, MAX VALUES = -9.23e 203.88 , 16.03 e 96.00

WATL / / , RU503-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83501  
CSTZ61

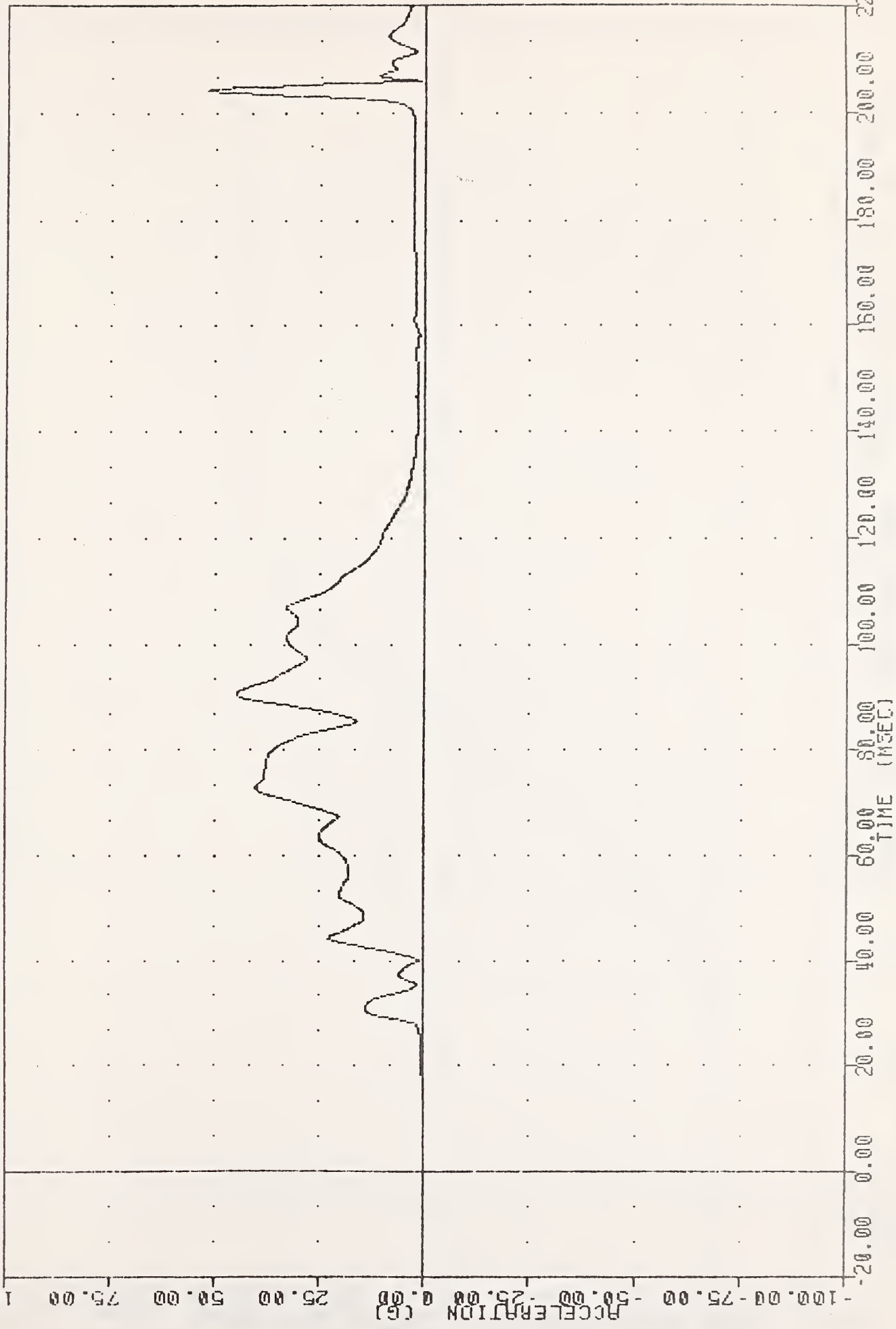
ACCELERATION (G)



-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

AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

VRTC , RD583-2-15 PLOT DATE 28-OCT-83 14:34:41  
 AIRBAG DEMONSTRATION PROGRAM  
 83501 FILTER = BLFF 300/ 949/ -40  
 CSTRG1 MIN. MAX VALUES = 0.00e -1.50 , 52.01 e 204.25

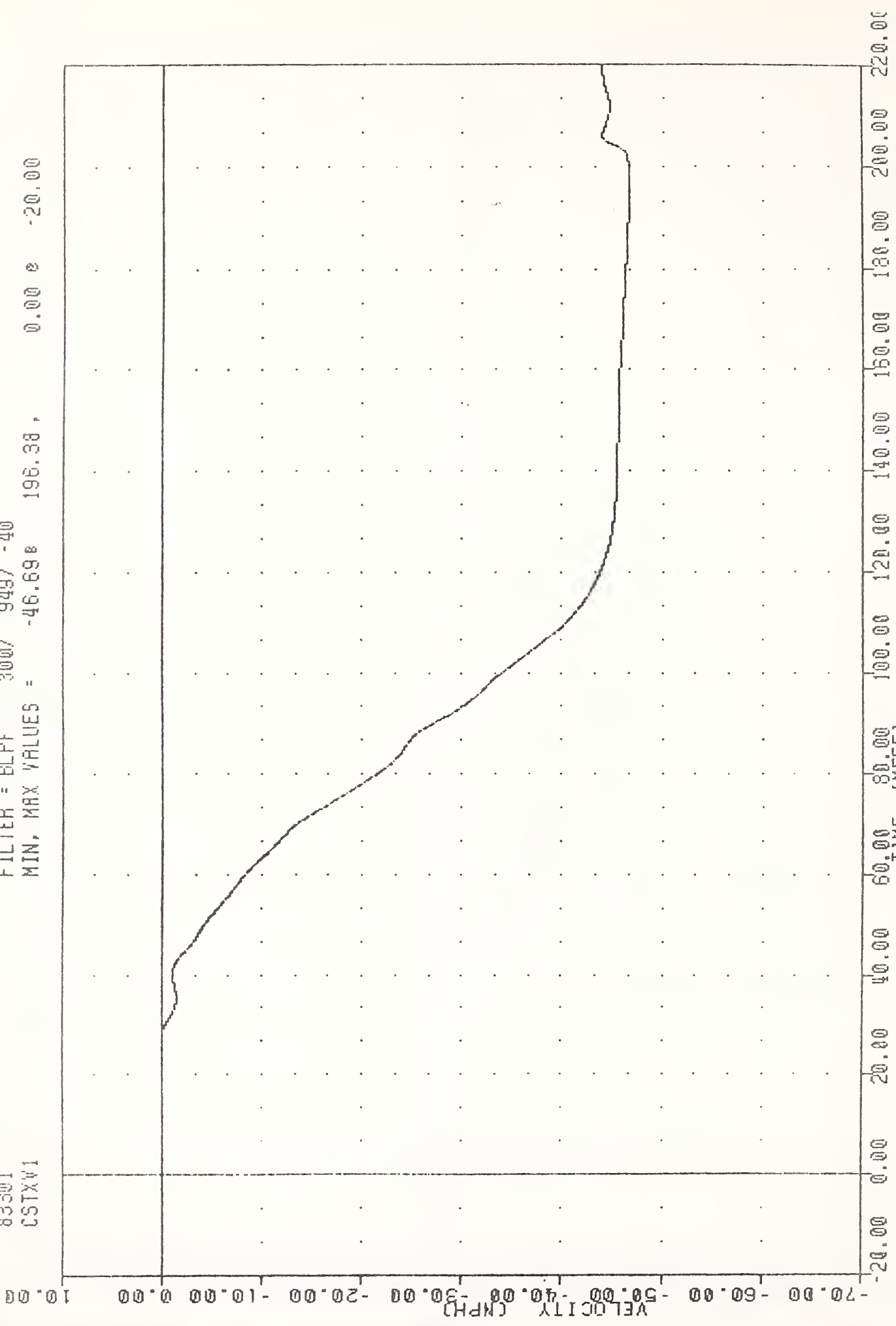


AIRBAG DEMONSTRATION PROGRAM  
 CHEST RESUI TANT AFFI FRATION 50TH PERCENTILE

NRTC , R0583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
CSTXV1

PLOT DATE 28-OCT-83 14:34:41

FILTER = ELPF 300/ 949/ -40  
MIN, MAX VALUES = -46.698 196.38, 0.00 e -20.00

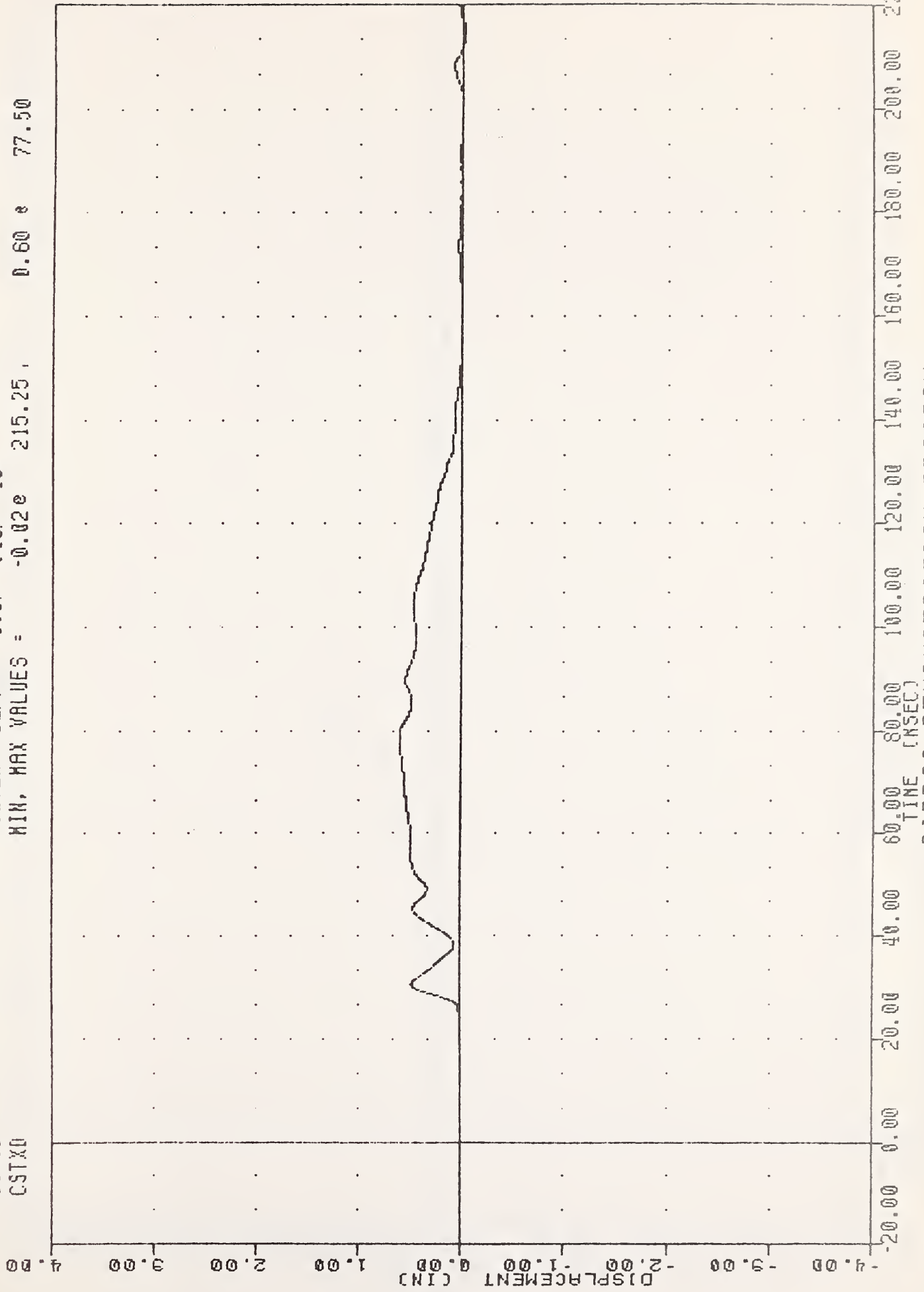


AIRBAG DEMONSTRATION PROGRAM  
FASTEST VELOCITY X AXIS 50TH PERCENTILE

VATIC , RD583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
CSTXD

PLOT DATE 28-OCT-83 14:34:41

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -0.02e 215.25, 0.60 e 77.50

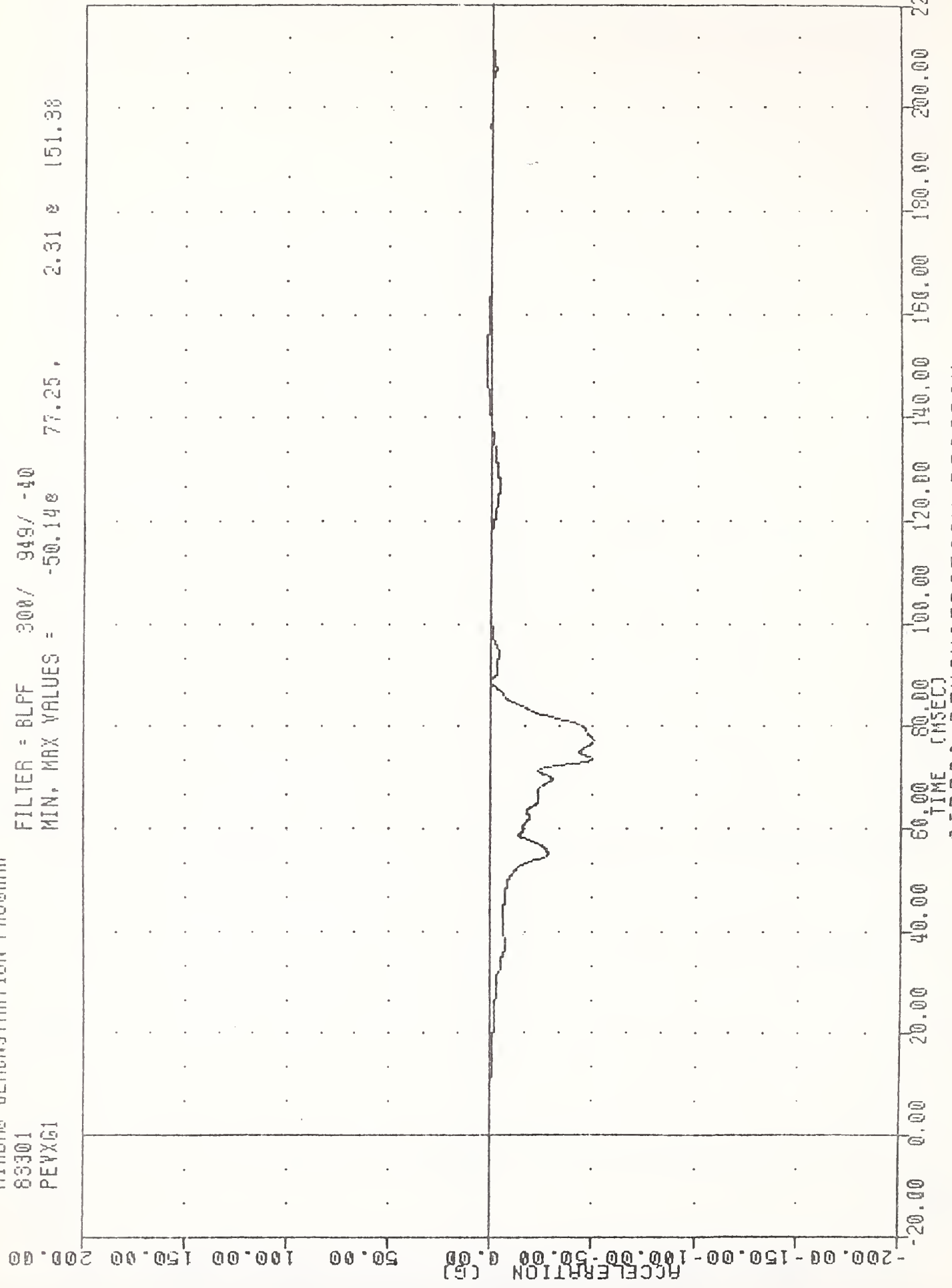


AIRBAG DEMONSTRATION PROGRAM  
CHEST DISPLACEMENT 50TH PERCENTILE

VRTC , R0583-2-15  
 AIRBAG DEMONSTRATION PROGRAM  
 83301  
 PEYXG1

PLOT DATE 28-OCT-83 14:34:41

FILTER = BLPF 300 / 949 / -40  
 MIN. MAX VALUES = -50.148 77.25 , 2.31 @ 151.38

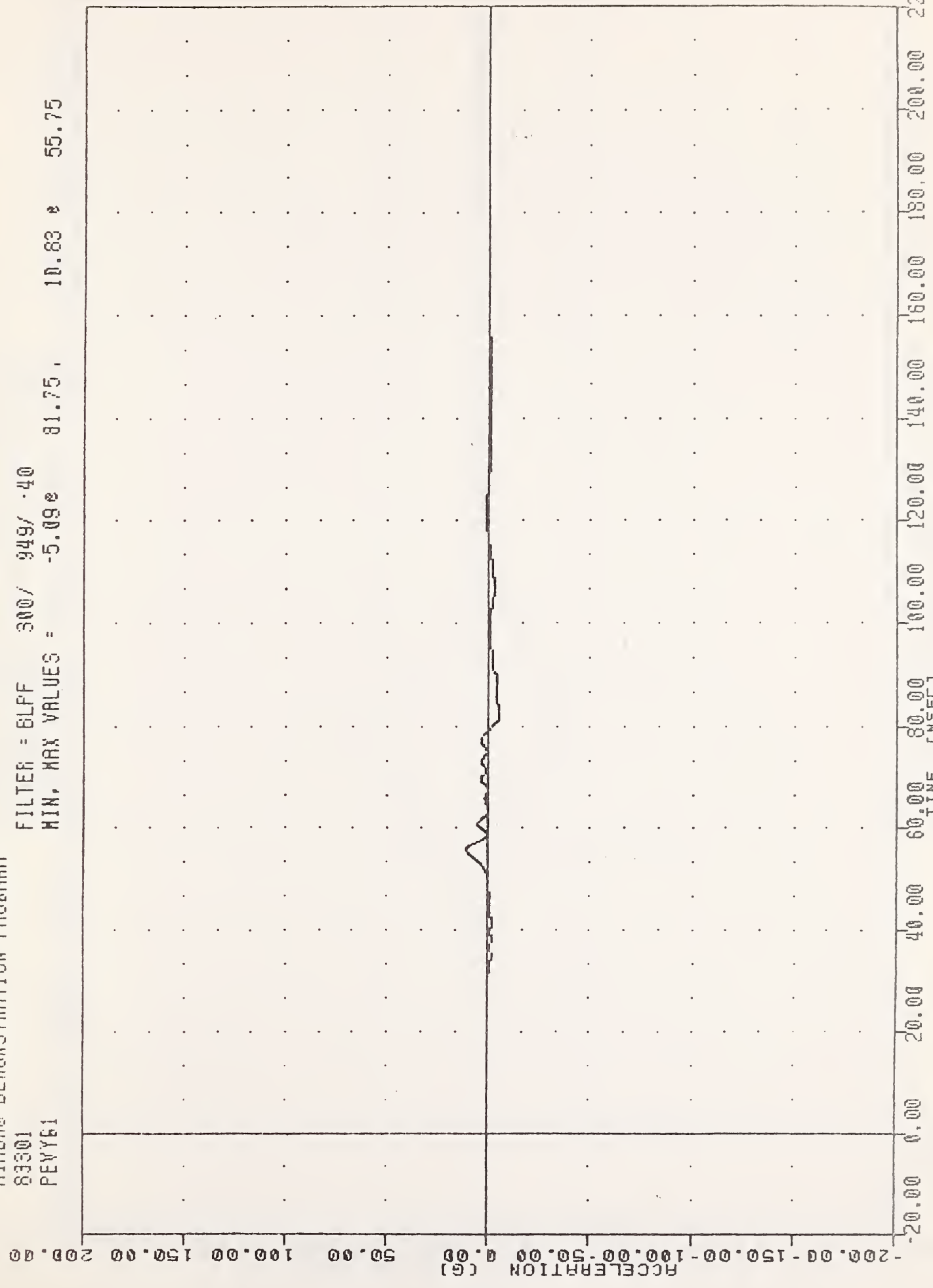


AIRBAG DEMONSTRATION PROGRAM  
 PELVIS ACCELERATION X AXIS 50TH PERCENTILE

VATIC  
RD583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
PEY61

PLOT DATE 28-OCT-83 14:34:41

FILTER = 8LFF 300/ 949/ .40  
MIN, MAX VALUES = -5.09e 81.75, 10.83 e 55.75



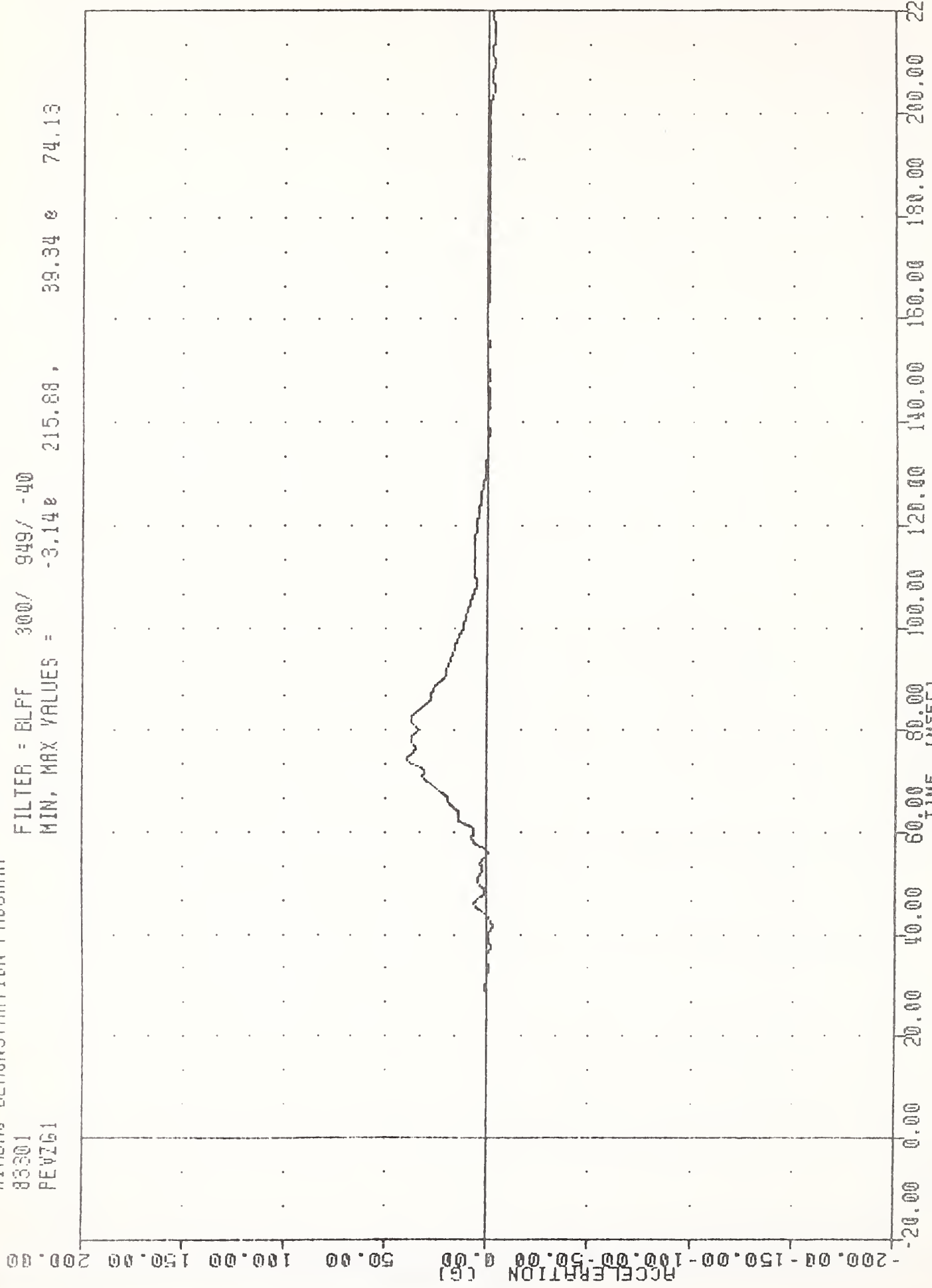
AIRBAG DEMONSTRATION PROGRAM  
PEY61S ACCELERATION Y AXIS 50TH PERCENTILE



YRTC , R0583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
PEVIG1

PLOT DATE 28-OCT-83 14:34:41

FILTER = BLFF 300/ 949/ -40  
MIN, MAX VALUES = -3.14e 215.88, 39.34 e 74.13



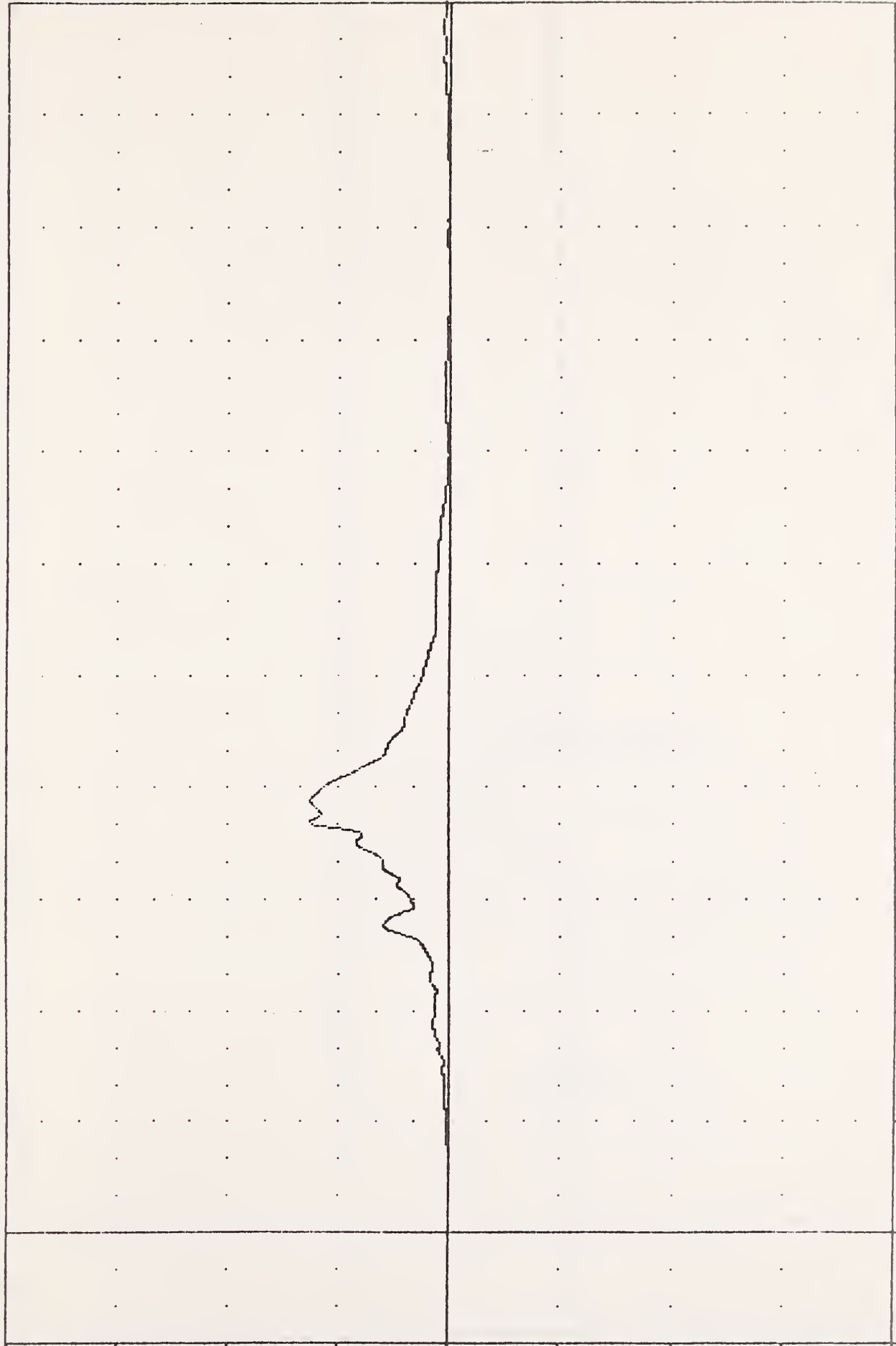
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

PLOT DATE 28-OCT-83 14:34:41

VRIC , R0583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
PEVRG1

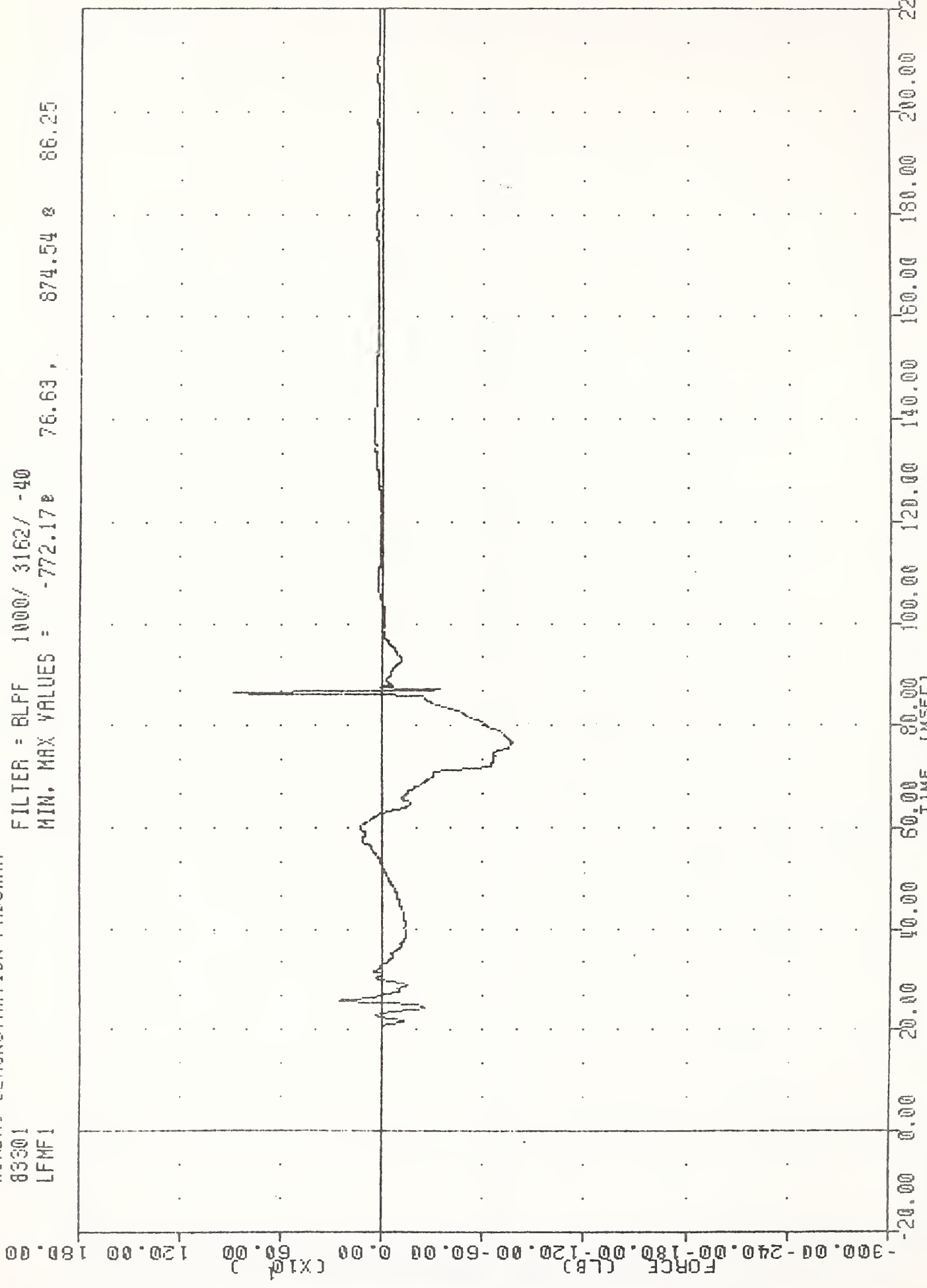
FILTER = 8LPF 300/ 949/ -40  
MIN, MAX VALUES = 0.01s -15.63, 62.91 e 73.63

ACCELERATION (G)



AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

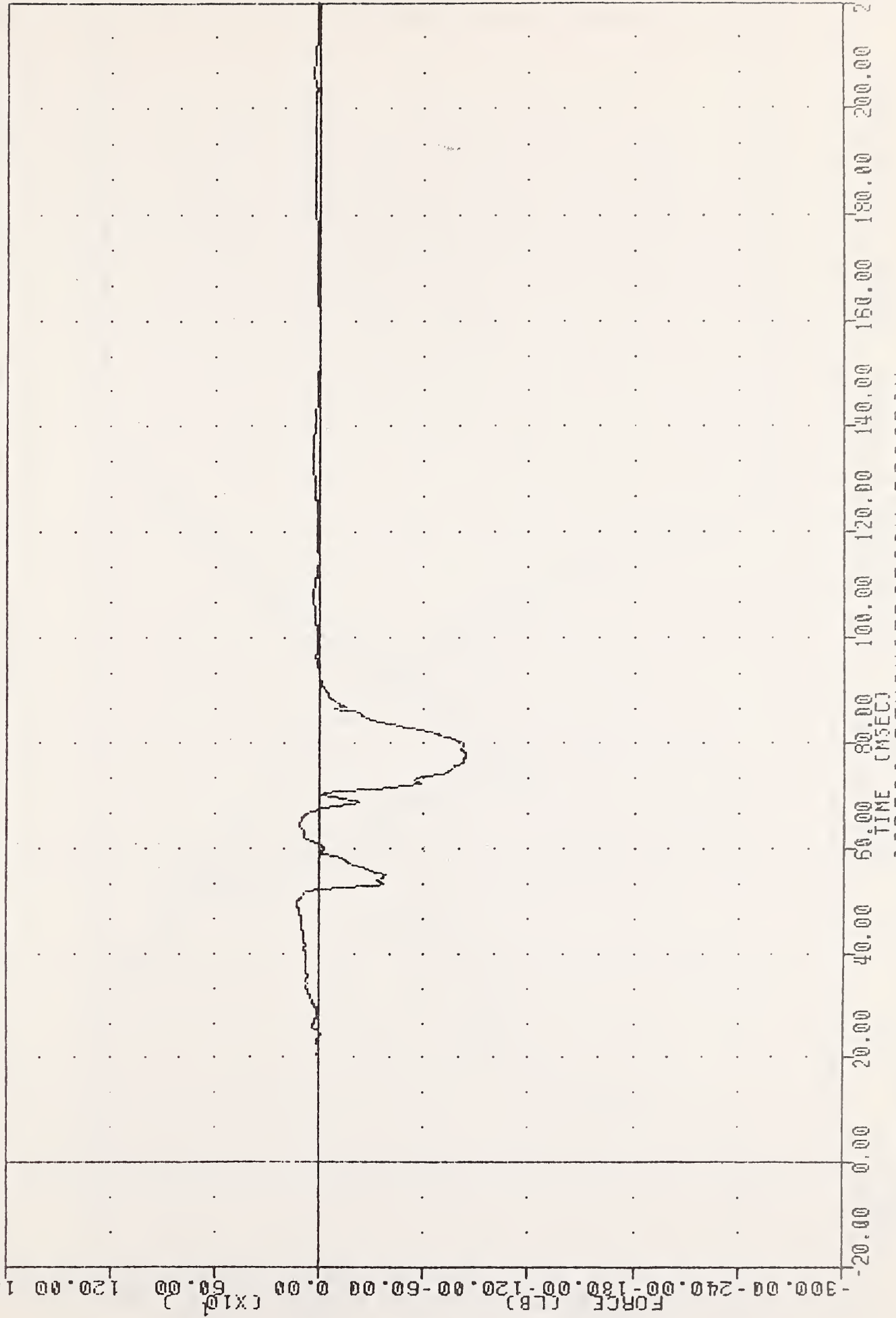
YRTC , R0563-2-15 PLOT DATE 28-OCT-83 14:34:41  
 AIRBAG DEMONSTRATION PROGRAM  
 83301 FILTER = BLPF 1000/ 3162/ -40  
 LFMF1 MIN. MAX VALUES = -772.17e 874.54 e 86.25



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

VRTC , RD583-2-15  
 AIRBAG DEMONSTRATION PROGRAM  
 83301  
 RFNFI

PLOT DATE 28-OCT-83 14:34:41  
 FILTER = 8LFF 1000/ 3162/ -40  
 MIN, MAX VALUES = -842.688 77.88, 131.67 e 49.50

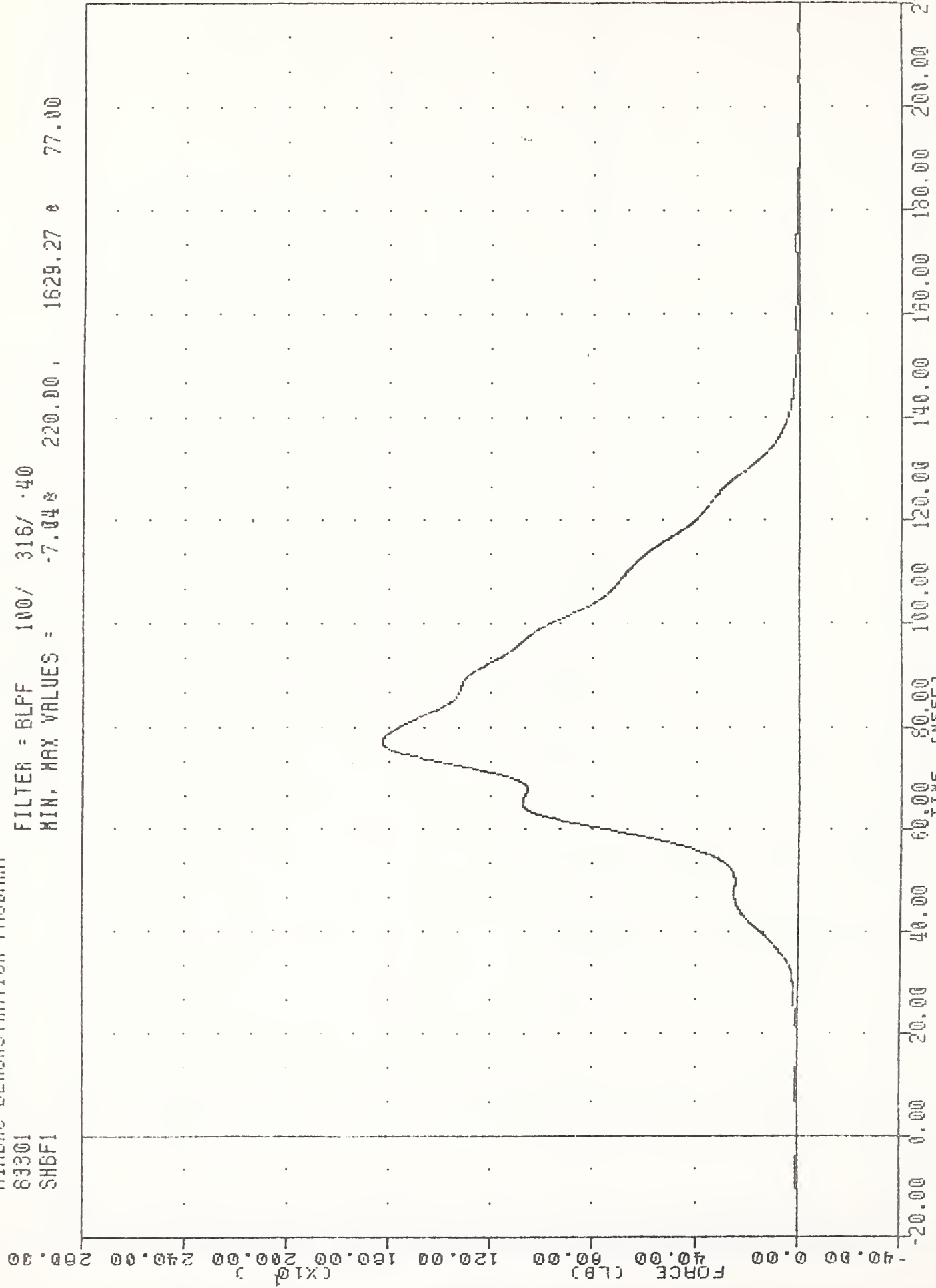


AIRBAG DEMONSTRATION PROGRAM  
 RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

VATC , R0563-2-15  
AIRBAG DEMONSTRATION PROGRAM  
63301  
SH5F1

PLOT DATE 28-OCT-83 14:34:41

FILTER = BLFF 100/ 316/ .40  
MIN. MAX VALUES = -7.048 220.00 , 1629.27 8 77.00



AIRBAG DEMONSTRATION PROGRAM  
SHOULDER BELT FORCE 50TH PERCENTILE

VRTC , RD583-2-15 PLOT DATE 28-OCT-83 14:34:41

AIRBAG DEMONSTRATION PROGRAM

83301

SLOXGC

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.93E 129.13, 26.57E 56.38

35.00

30.00

25.00

20.00

15.00

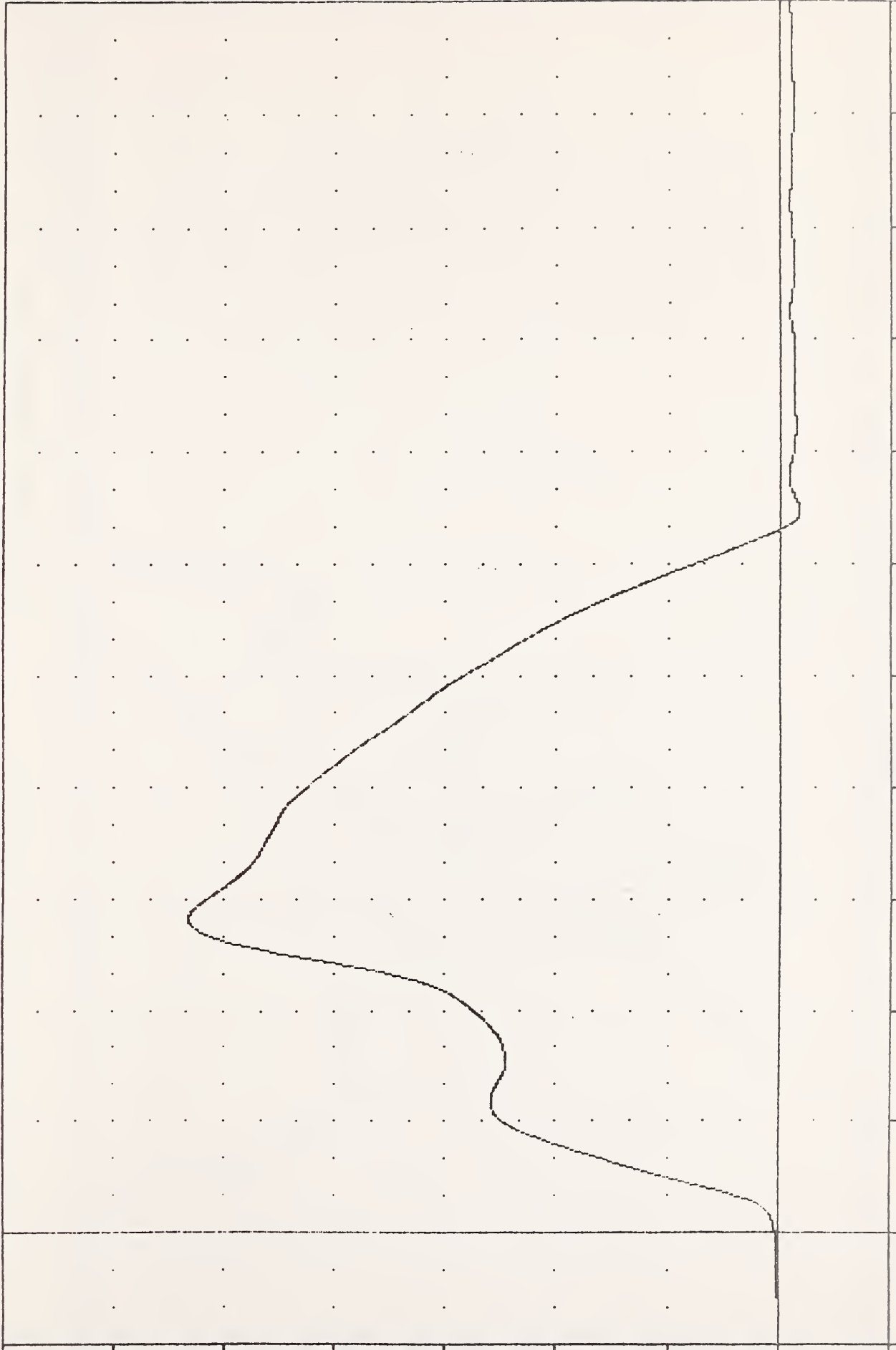
10.00

5.00

0.00

-5.00

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

AIRBAG DEMONSTRATION PROGRAM

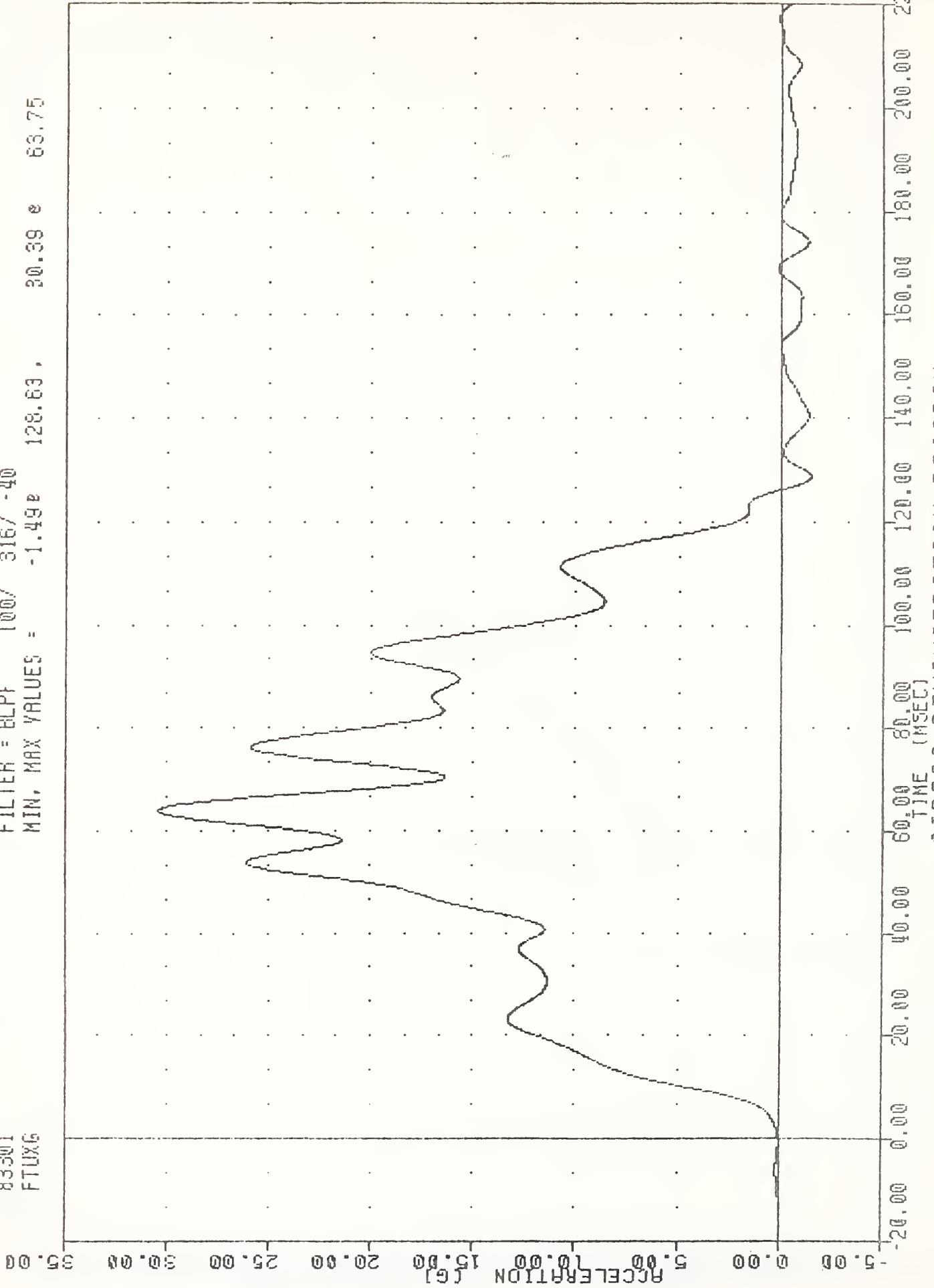
SLOXGC ACCELERATION

PLOT DATE 28-OCT-83 14:34:41

VRTC , R0583-2-15  
AIRBAG DEMONSTRATION PROGRAM

83301  
FTUXG

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -1.49e 128.63, 30.39 e 63.75

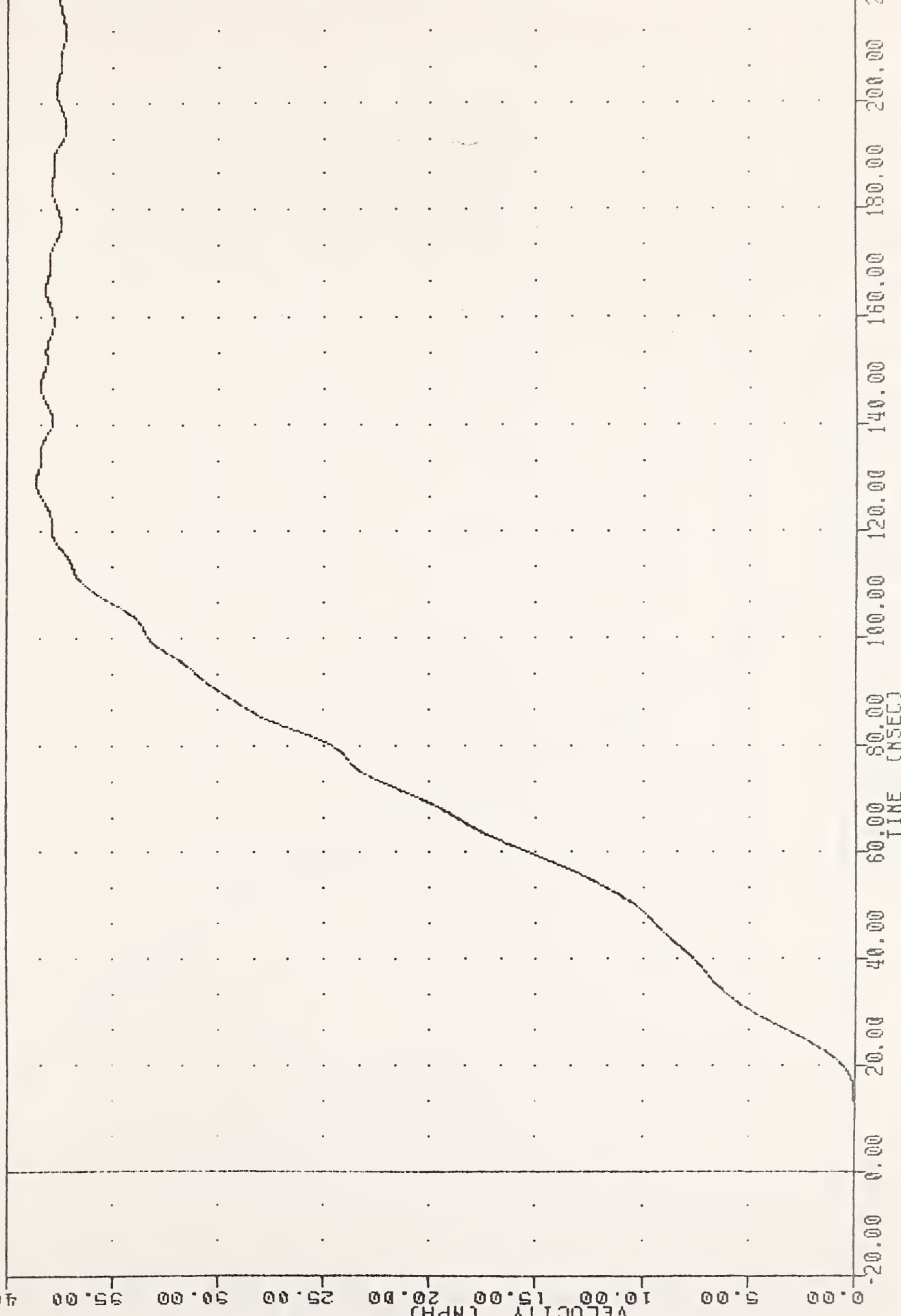


AIRBAG DEMONSTRATION PROGRAM  
FINNA PAIN TIINNI AFFIIRATION



VRTC , R0583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
SLOXY

PLOT DATE 28-OCT-83 14:34:41



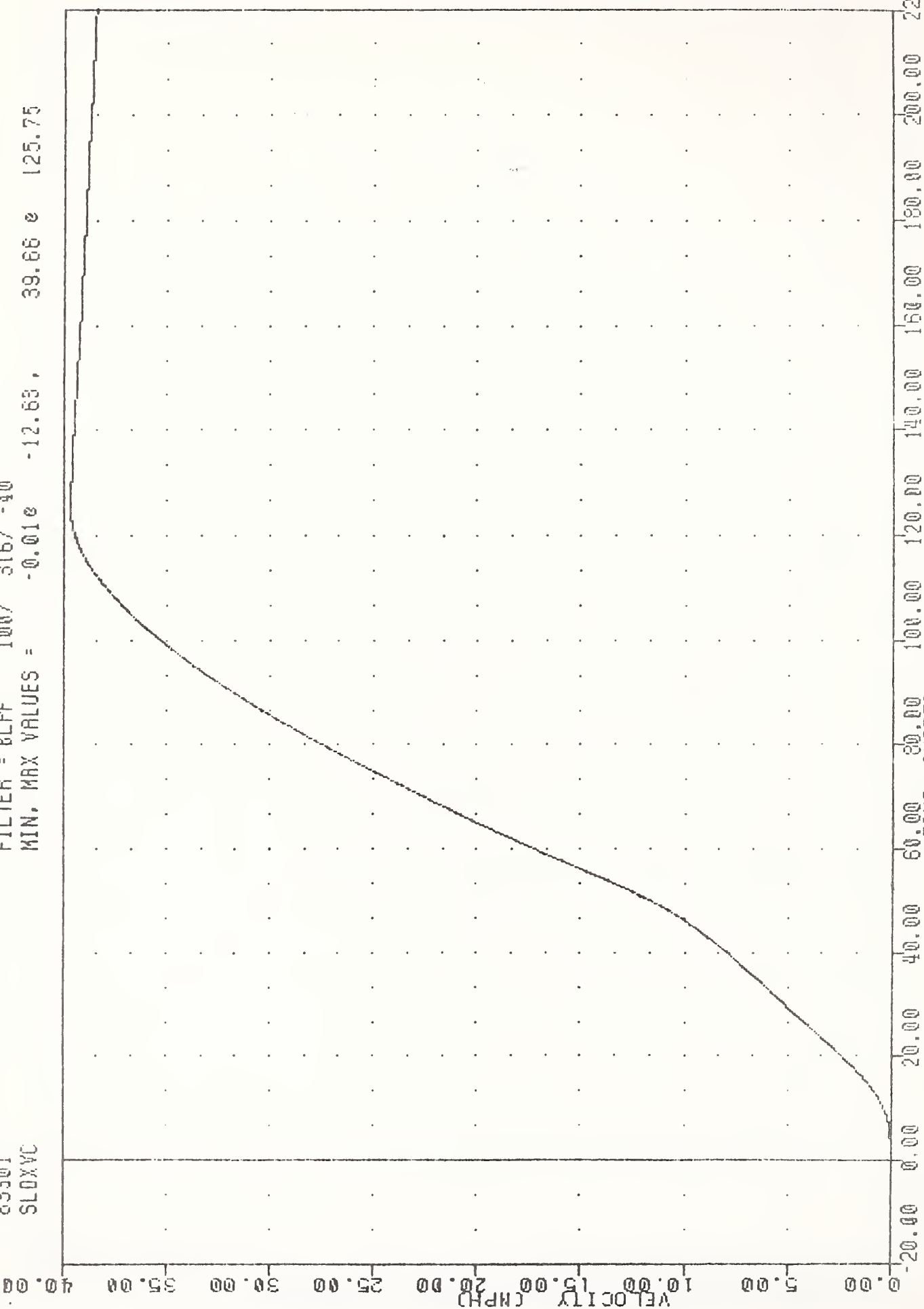
FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.028 -6.63, 36.59 e 129.25

AIRBAG DEMONSTRATION PROGRAM  
SLED VELOCITY

VRIC , RD583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
SLOXVC

PLOT DATE 28-OCT-83 14:34:41

FILTER = BLFF 100/ 316/ -40  
MIN, MAX VALUES = -0.01e -12.63, 39.66 e 125.75

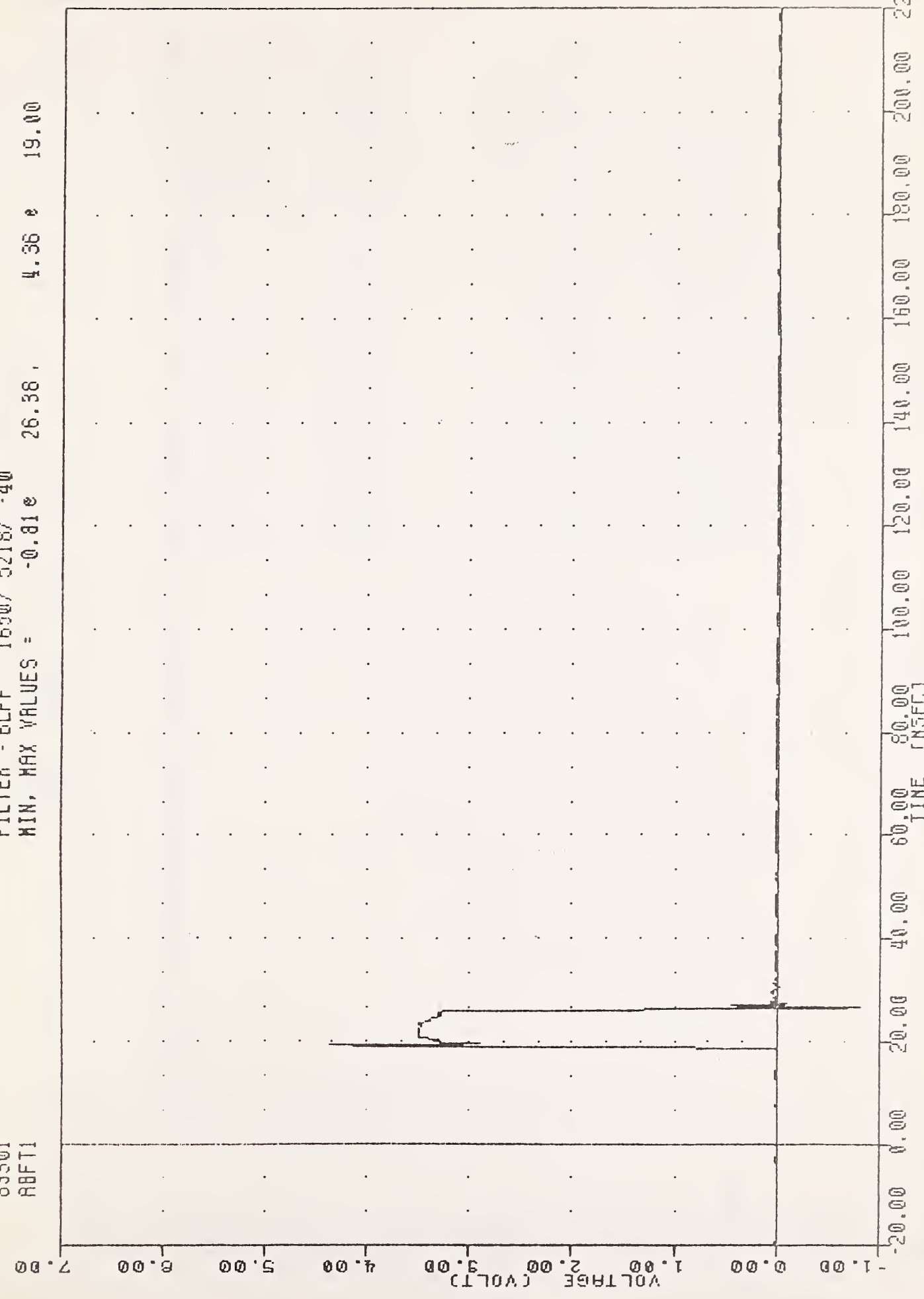


AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SLOX VELOCITY

YATC , R0583-2-15  
AIRBAG DEMONSTRATION PROGRAM  
83301  
RBFT1

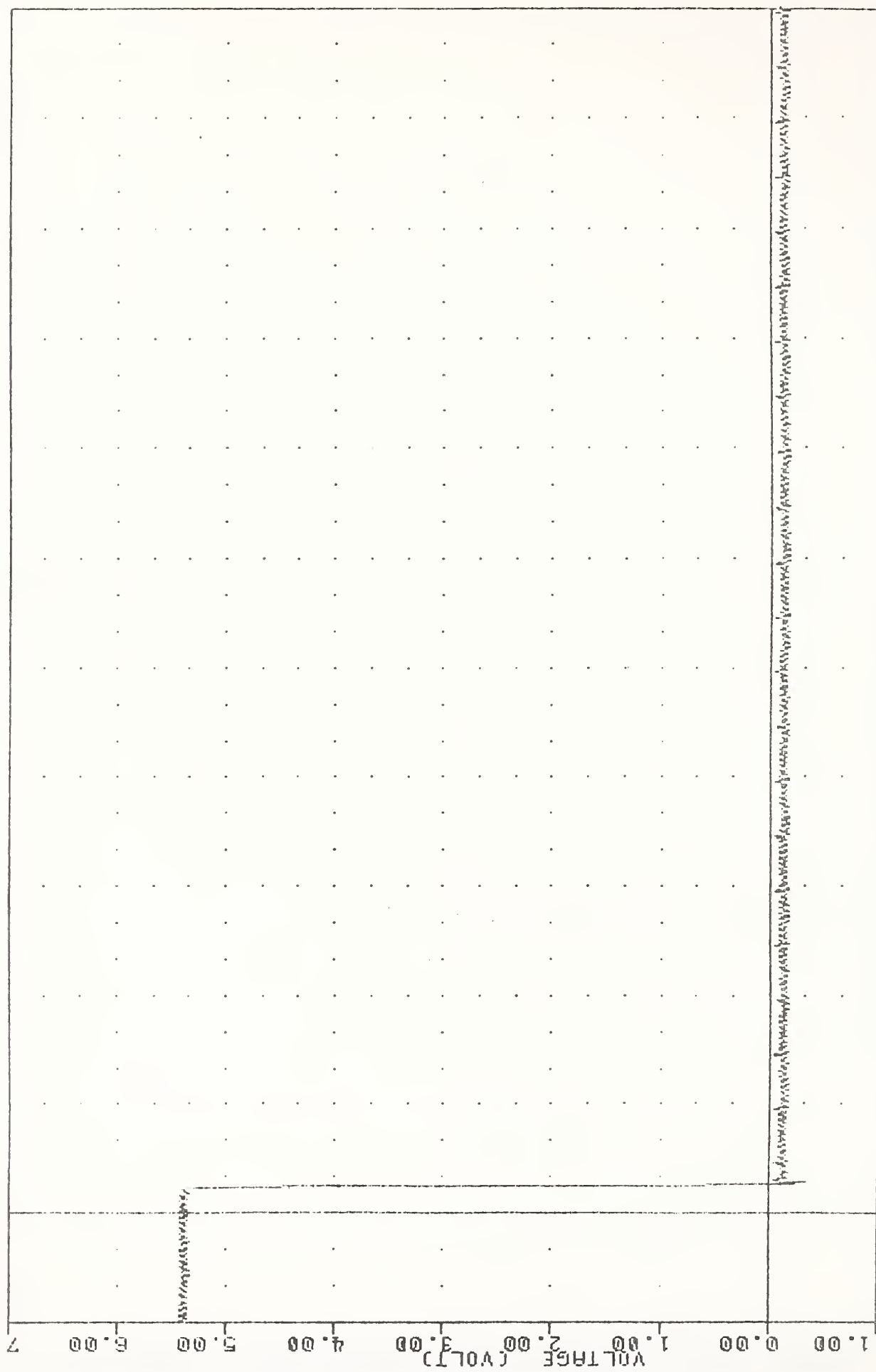
PLOT DATE 28-OCT-83 14:34:41

FILTER = BLPF 1650/ 5218/ -40  
MIN, MAX VALUES = -0.81 e 26.38 , 4.36 e 19.00



AIRBAG DEMONSTRATION PROGRAM  
AIR BAG FIRING EVENT 50TH PERCENTILE

VRTC , R0583-2-15 PLOT DATE 26-OCT-83 14:34:41  
 AIRBAG DEMONSTRATION PROGRAM  
 83301  
 SPSW  
 FILTER = 8LFF 1650/ 5218/ -40  
 MIN, MAX VALUES = -0.358 5.50 , 5.43 e -15.00



-1.00  
 0.00  
 1.00  
 2.00  
 3.00  
 4.00  
 5.00  
 6.00  
 7.00  
 -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  
 SLED POSITION SWITCH

	Min value		Max value		Uni
SPSW	-1.125 @	5.125	5.458 @	-16.250 msec	volt
SLDXGC	-1.010 @	128.750	26.627 @	56.750 msec	g
SLDXVC	-0.011 @	-11.875	39.546 @	125.250 msec	mph
SLDXV	-0.023 @	-23.875	38.446 @	129.000 msec	mph
FTUXG	-3.432 @	129.250	30.451 @	63.000 msec	g
ABFT1	-0.986 @	26.625	4.363 @	19.250 msec	volt
HEDXG1	-67.309 @	100.875	19.851 @	210.375 msec	g
HEDXV1	-48.047 @	185.750	0.115 @	31.500 msec	mph
HEDYG1	-15.119 @	110.125	5.138 @	243.000 msec	g
HEDZG1	-74.501 @	100.750	27.425 @	130.875 msec	g
CSTXG1	-60.117 @	100.375	74.679 @	128.875 msec	g
CSTXV1	-48.733 @	125.875	0.001 @	-10.125 msec	mph
CSTYG1	-10.412 @	104.500	5.312 @	124.750 msec	g
CSTZG1	-17.275 @	105.125	15.282 @	73.125 msec	g
PEVXG1	-76.546 @	76.000	1.758 @	280.750 msec	g
PEVYG1	-4.320 @	50.375	11.405 @	55.750 msec	g
PEVZG1	-13.684 @	107.875	25.679 @	90.625 msec	g
CSTXD	-0.005 @	39.750	0.584 @	101.500 msec	in
LFMF1	-1815.911 @	73.000	93.092 @	31.750 msec	lb
RFMF1	-1826.132 @	78.625	47.453 @	36.625 msec	lb
HEDRG1	0.027 @	-25.000	100.834 @	100.750 msec	g
CSTRG1	0.005 @	-4.625	74.820 @	128.875 msec	g
PEVRG1	0.004 @	-13.125	79.363 @	76.125 msec	g

\* \* \* HIC computation for TRC226I 31-OCT-83 13:21:18

HEDRG1 VRTC RD583-2-16 83304 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 100.83 @ 100.750

HIC = 768.52 Interval from 87.875 [ 904] to 121.375 [1172]

HIC = 572.27 Interval from 92.500 [ 941] to 107.500 [1061]

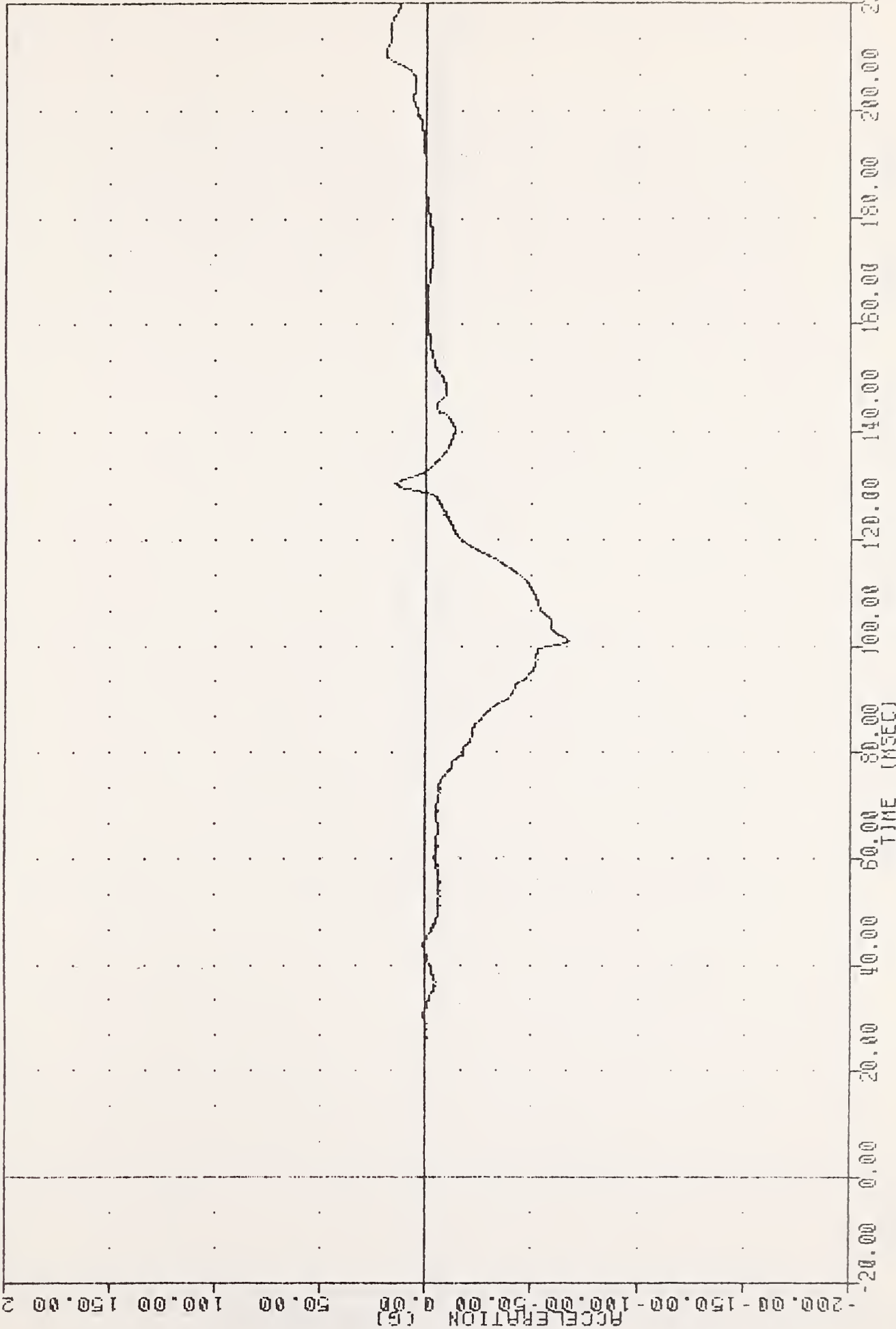
Elapsed time = 14.91 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

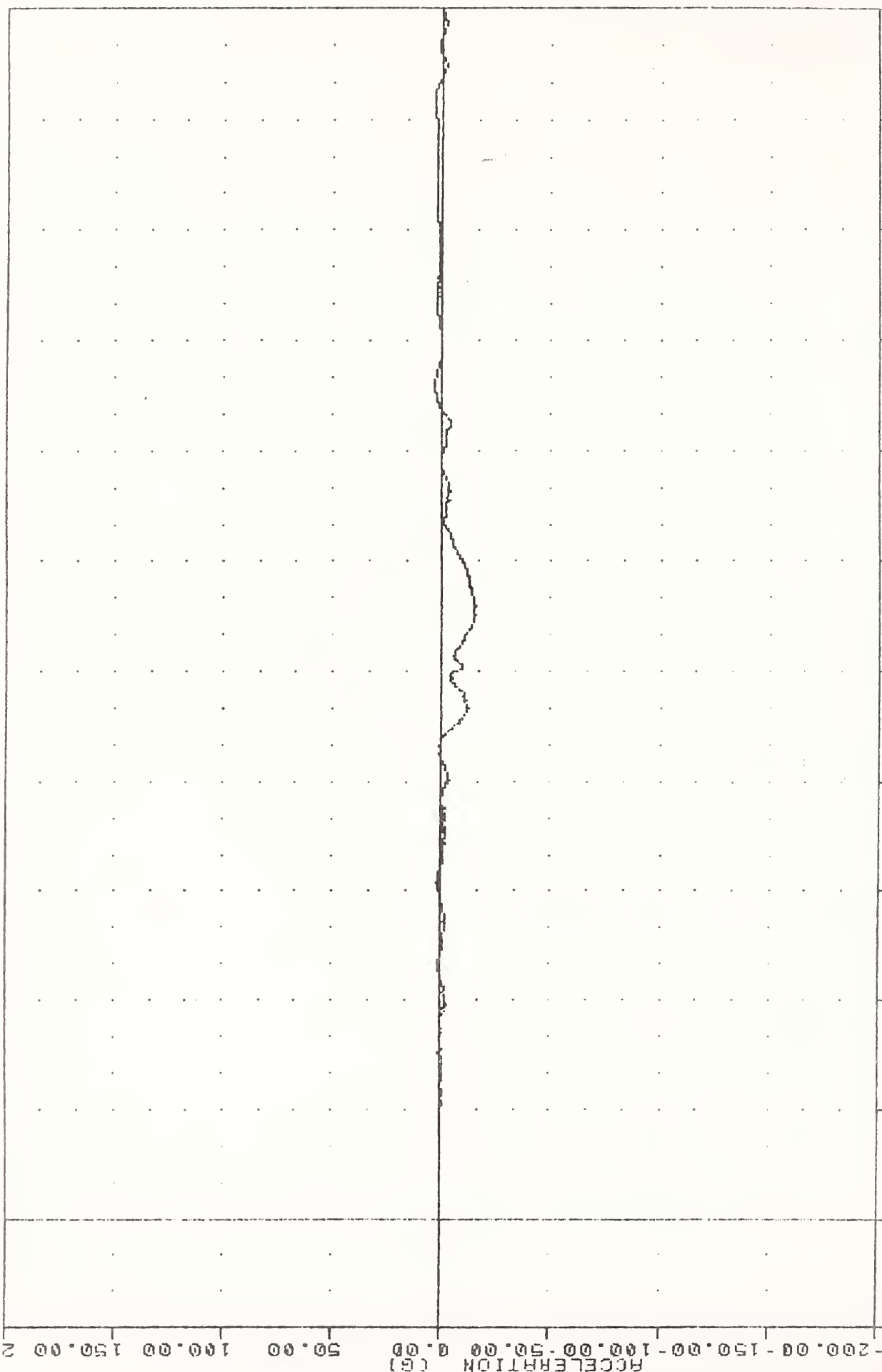
VRTC , R0583-2-16  
 AIRBAG DEMONSTRATION PROGRAM  
 83304  
 HEDXG1  
 PLOT DATE 31-OCT-83 13:16:41  
 FILTER = ALPF 1650/ 5214/ -40  
 MIN. MAX VALUES = -67.31e 100.88 , 19.65 e 210.38



AIRBAG DEMONSTRATION PROGRAM  
 HEAD ACCELERATION X AXIS 50TH PERCENTILE



VRTC , RD583-2-16  
 AIRBAG DEMONSTRATION PROGRAM  
 83304  
 HEADY61  
 PLOT DATE 31-OCT-83 13:18:41  
 FILTER = ALPF 1650/ 5214/ .40  
 MIN, MAX VALUES = -15.12g 110.13g 3.92g 202.36g

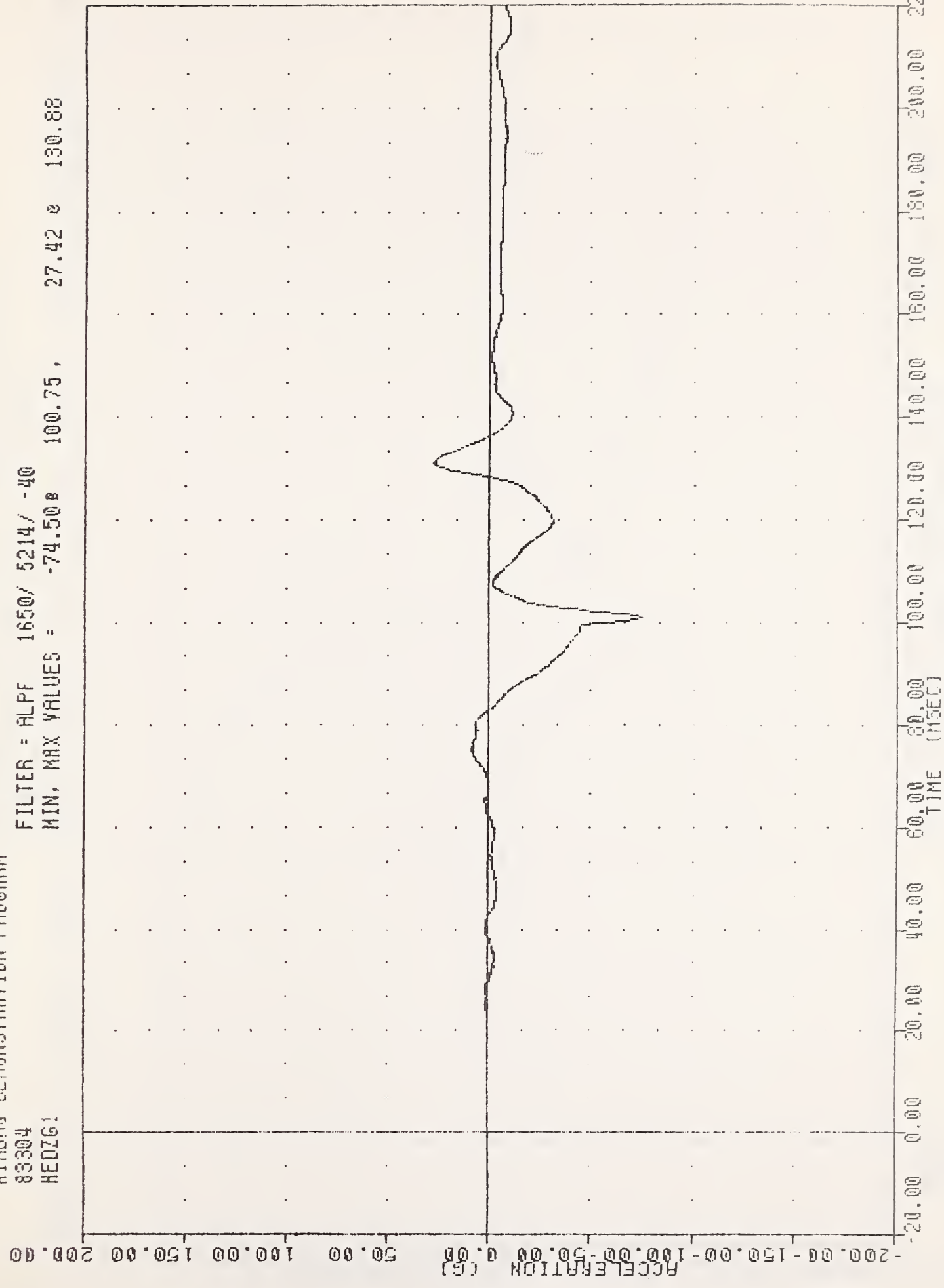


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
 TIME (MSEC)  
 AIRBAG DEMONSTRATION PROGRAM  
 HEAD ACCELERATION Y AXIS 50TH PERCENTILE

YRTC , R0583-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
HEADZ61

PLOT DATE 31-OCT-83 13:18:41

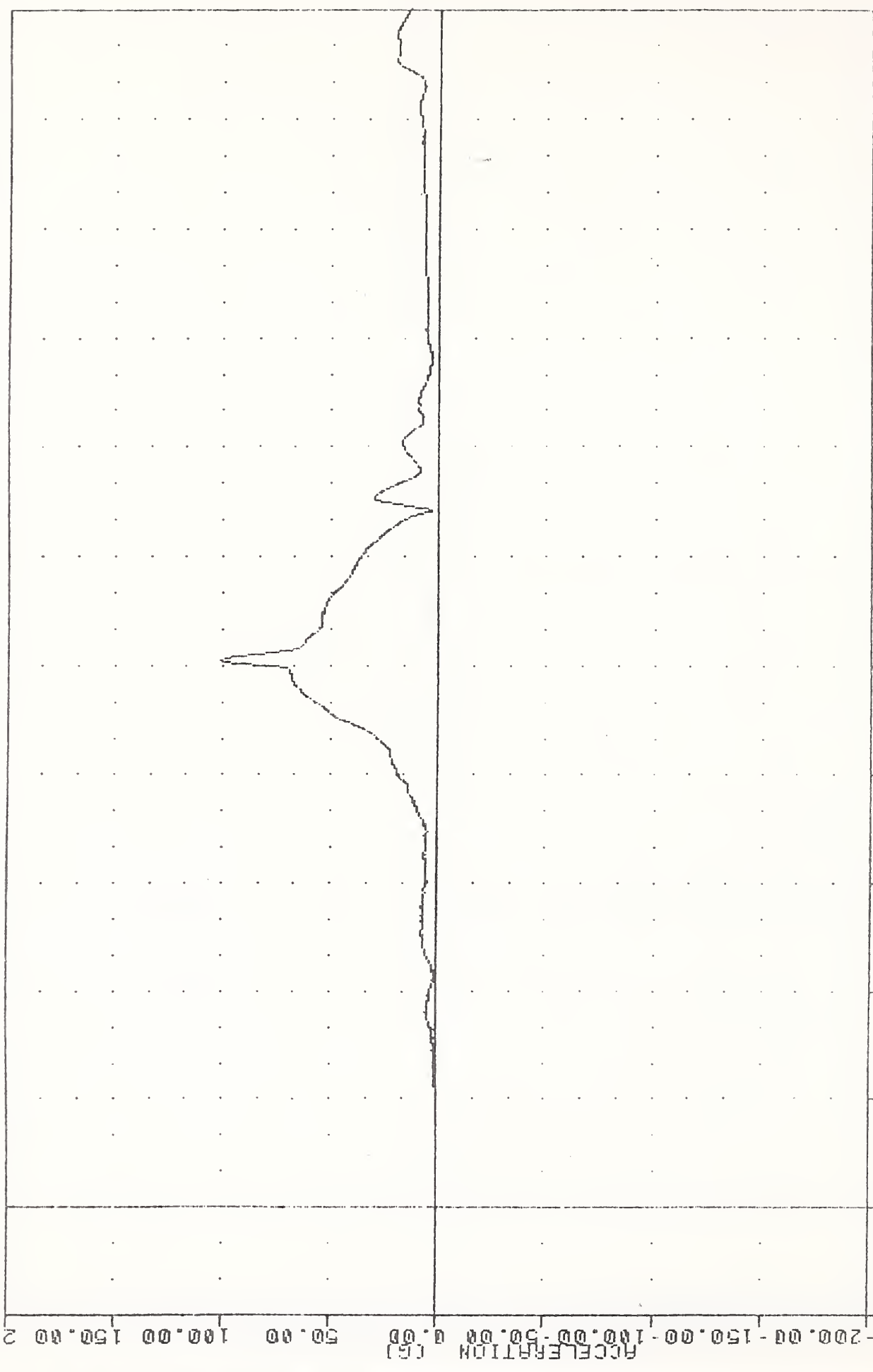
FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -74.508 100.75, 27.42 e 130.88



AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Z AXIS 50TH PERCENTILE

VRIC 1, run 03-2-16 PLOT DATE 31-oct-83 13:18:41  
AIRBAG DEMONSTRATION PROGRAM  
83304  
HEORG1

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = 0.03e -19.88, 100.83 e 100.75

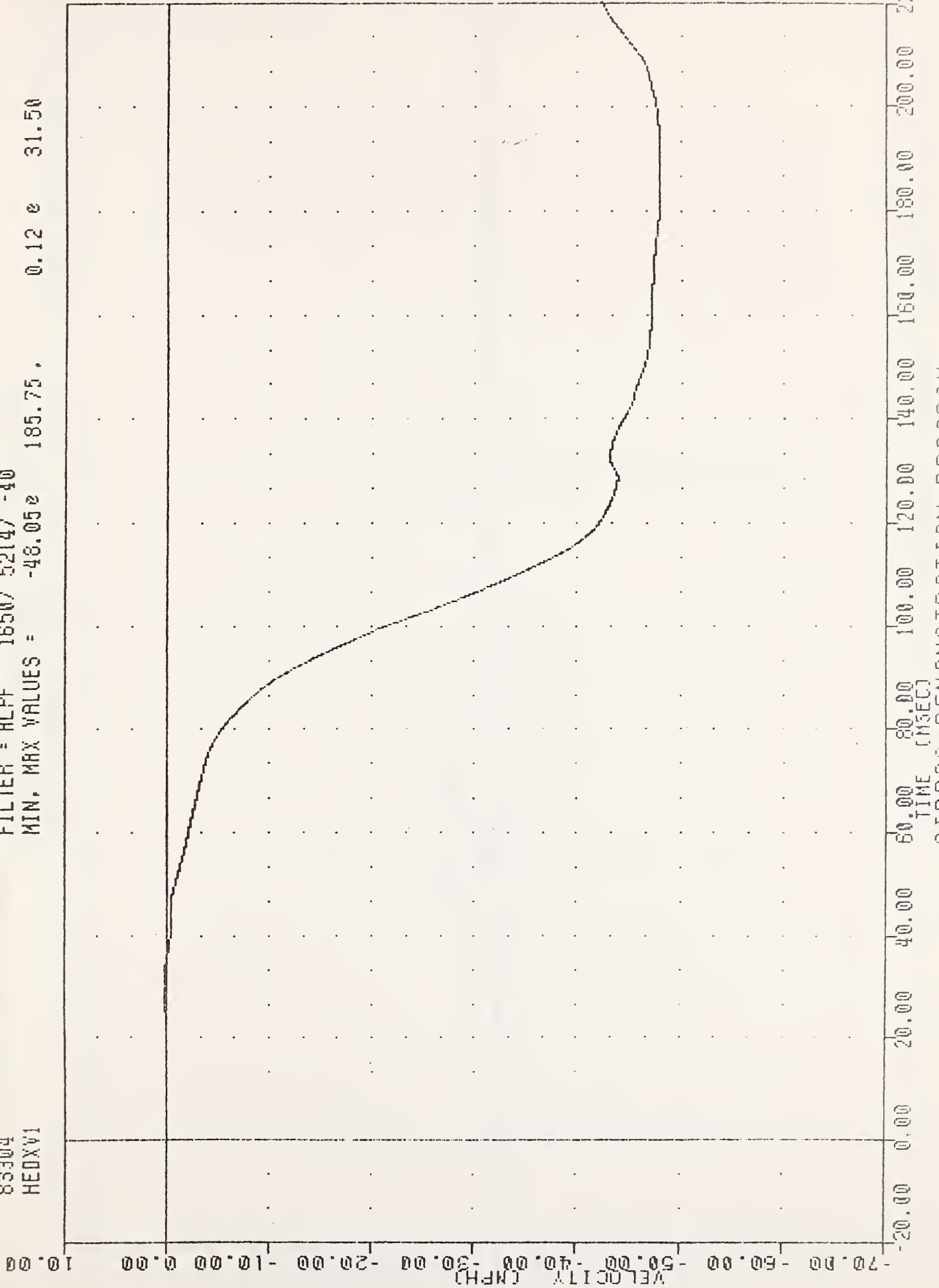


ACCELERATION (G)  
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00  
TIME (MSEC)  
60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

VRIL  
AIRBAG DEMONSTRATION PROGRAM  
83304  
HEDXV1

PLOT DATE 31-OCT-83 13:16:41

FILTER = HLPF 1650/ 5214/ -40  
MIN, MAX VALUES = 185.75, 0.12 e 31.50



AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS 50TH PERCENTILE

1 VR10 1 1 , 00.83-2-16 PLO, DATE '81-OCT-85 ' 13:10:41

AIRBAG DEMONSTRATION PROGRAM

83304

CSTX61

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -60.12e 100.38 , 74.58 e 128.89

100.00

75.00

50.00

25.00

0.00

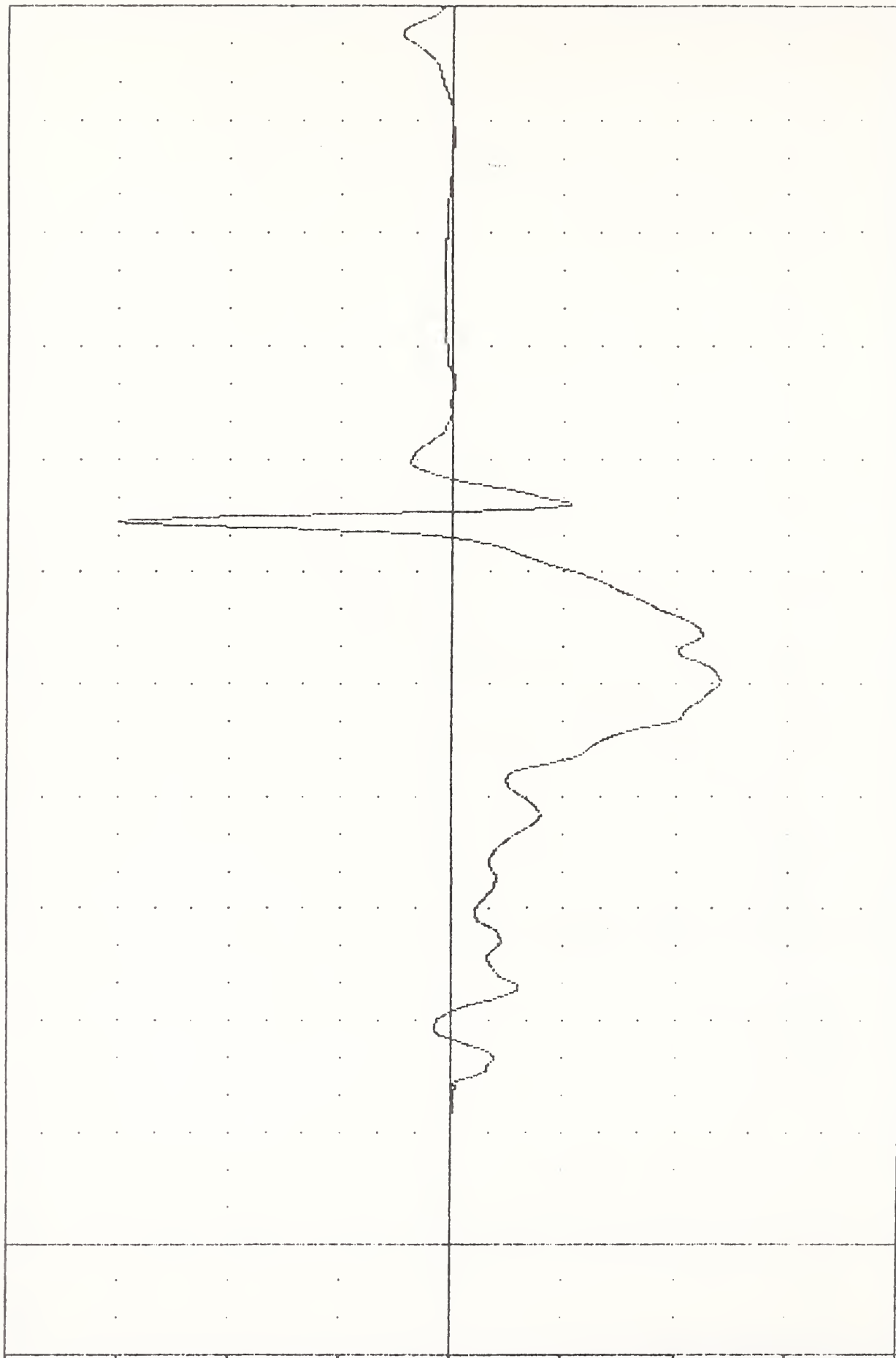
-25.00

-50.00

-75.00

-100.00

-494-

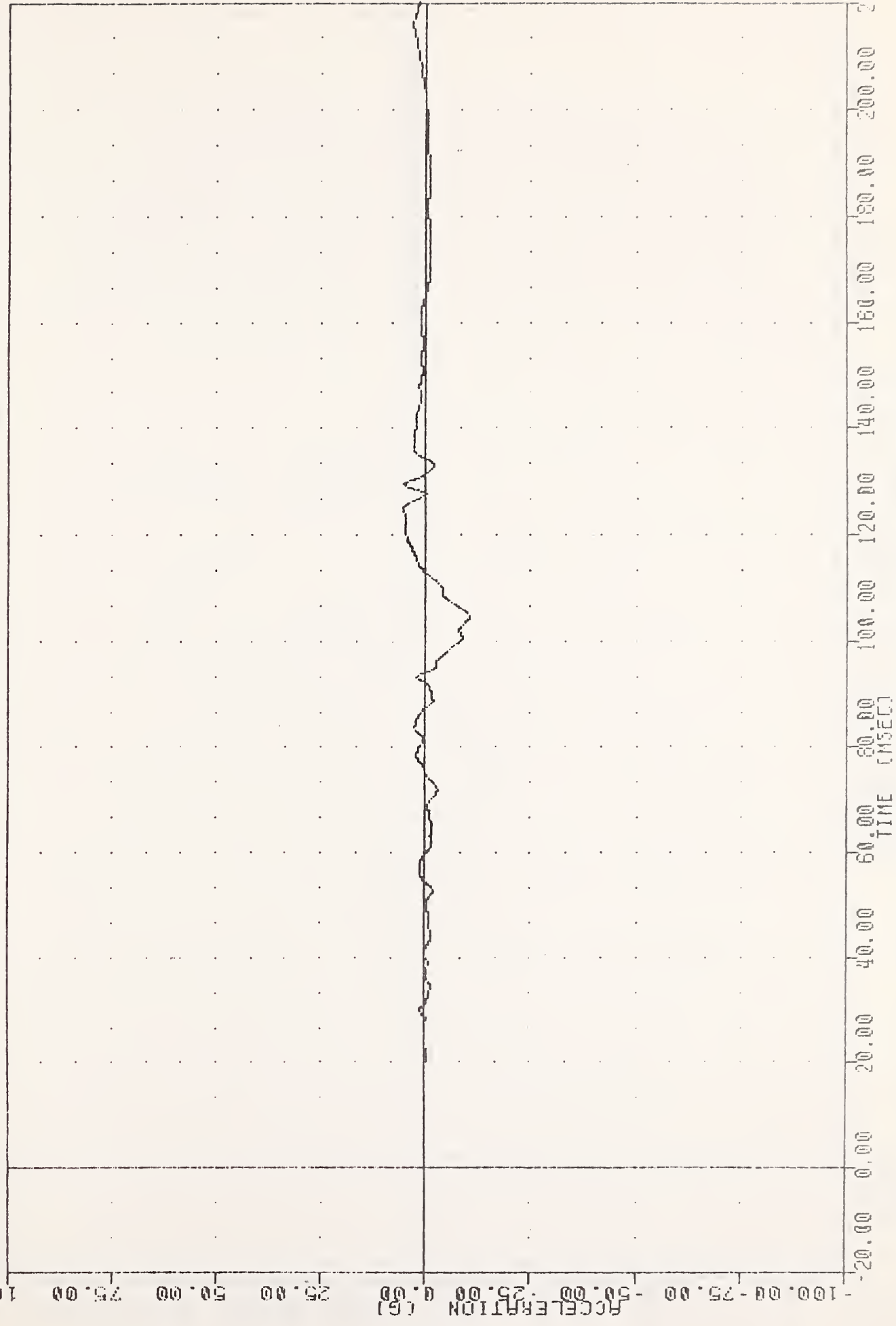


220.00  
200.00  
180.00  
160.00  
140.00  
120.00  
100.00  
80.00  
60.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM

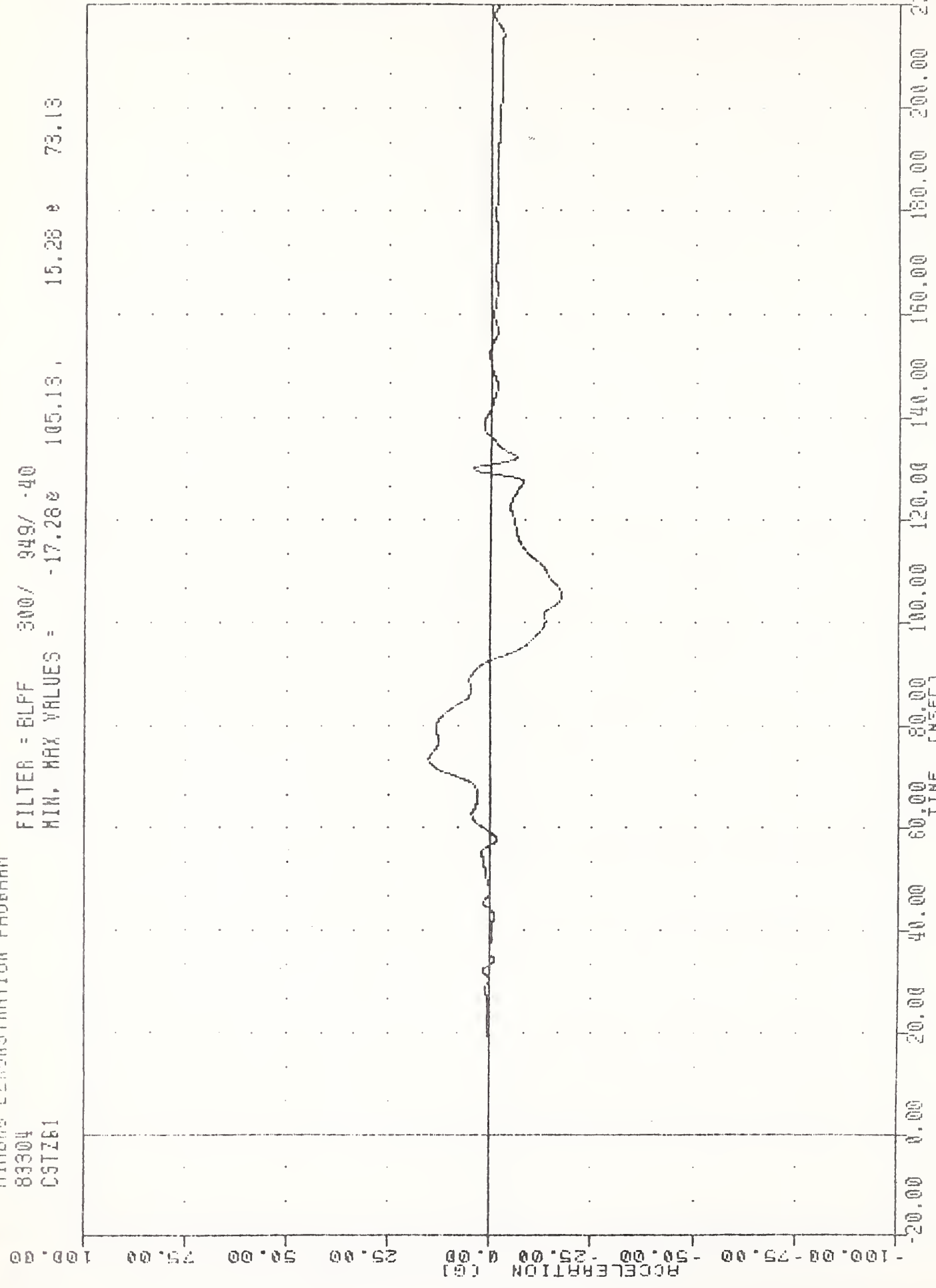
CHEST ACCELERATION X AXIS 50TH PERCENTILE

1 V.F. 1 1, 00J83-2 JB PLO, DATE 131-007-85 1 15:18:41  
 AIRBAG DEMONSTRATION PROGRAM  
 83304 FILTER = BLFF 300/ 949/ -40  
 CSTY61 MIN. MAX VALUES = -10.41e 104.50, 5.31 e 124.75



AIRBAG DEMONSTRATION PROGRAM  
 CHEST ACCELERATION Y AXIS 50TH PERCENTILE

1 VA... 1, ... 83-... 16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
CSTZ61  
PLO, DATE 131 Oct 85 13.10.41  
FILTER = BLFF 300/ 849/ -40  
MIN, MAX VALUES = -17.28e 105.13, 15.28 e 73.13



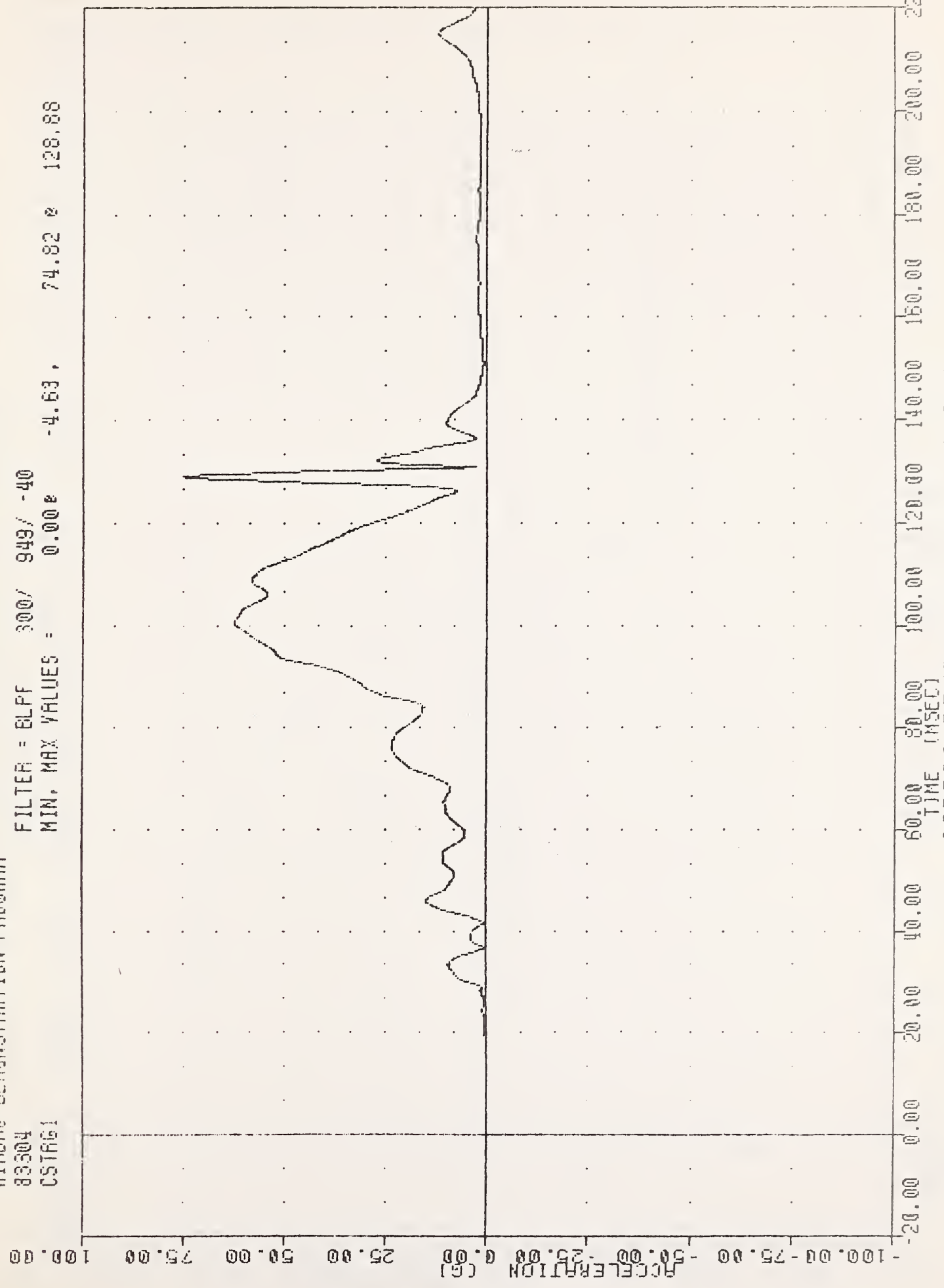
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 50TH PERCENTILE



VRTC , R0583-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
CSTRG1

PLOT DATE 31-OCT-83 13:18:41

FILTER = ELPF 300/ 949/ -40  
MIN, MAX VALUES = 0.00e -4.63, 74.82 e 128.88

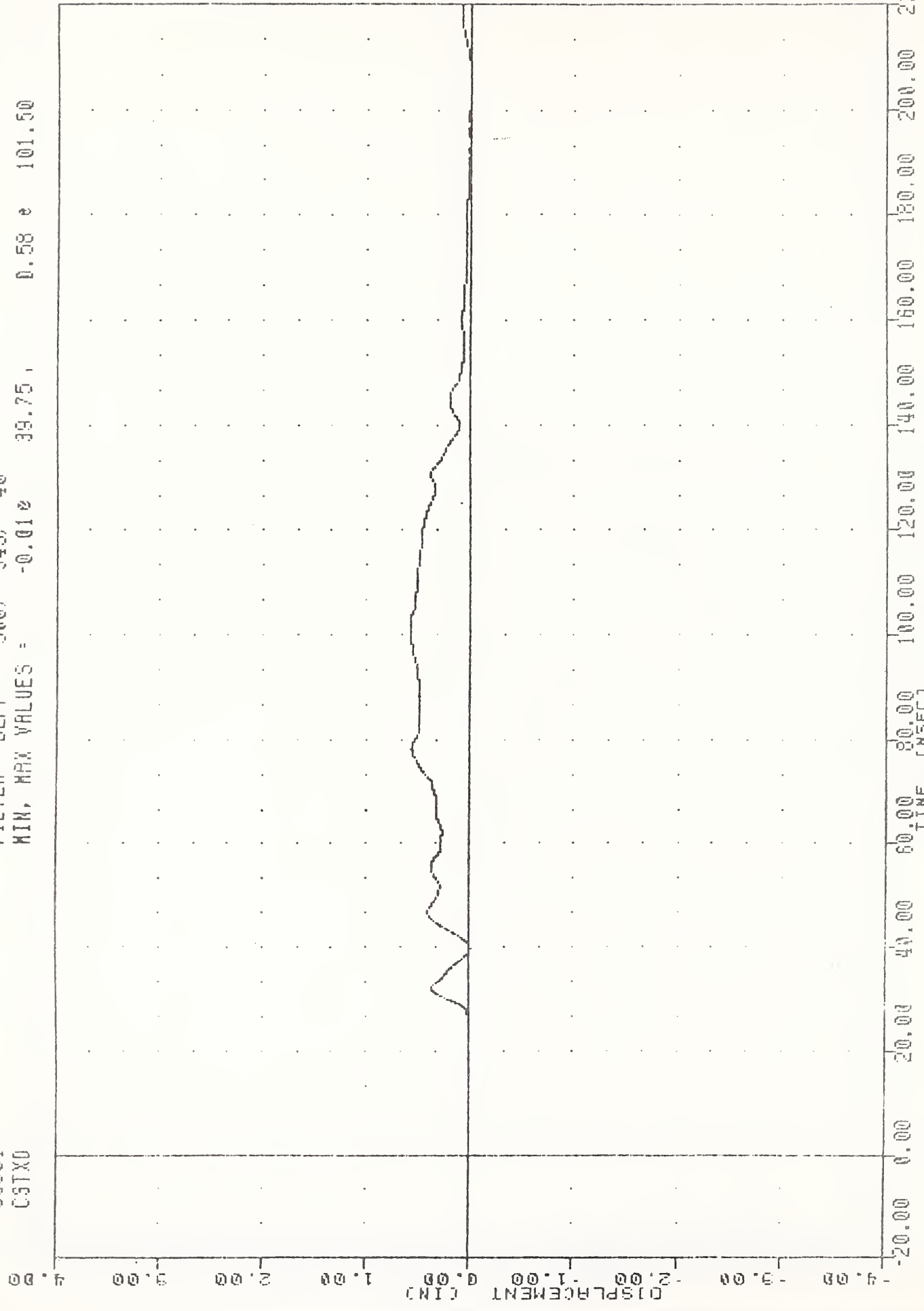


AIRBAG DEMONSTRATION PROGRAM  
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

YATC , R0583-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
CSTXD

PLOT DATE 31-OCT-83 13:16:41

FILTER = BLPF 300/ 349/ .40  
MIN, MAX VALUES = -0.01e 39.75 , 0.58 e 101.50



-4.00  
-3.00  
-2.00  
-1.00  
0.00  
1.00  
2.00  
3.00  
4.00

DISPLACEMENT (IN)

TIME (MSEC)

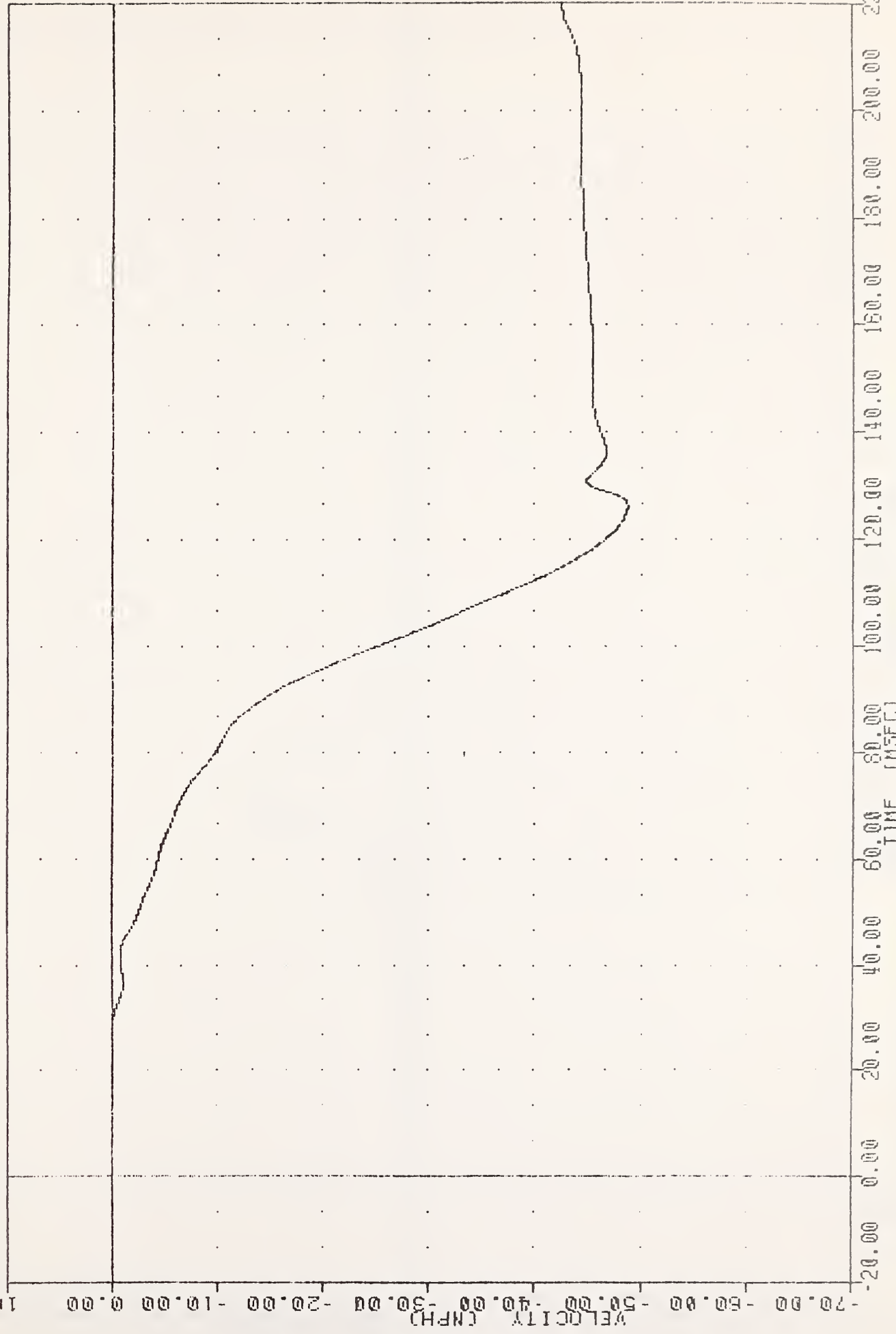
20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
CHEST DISPLACEMENT 50TH PERCENTILE

VATE  
AIRBAG DEMONSTRATION PROGRAM  
83304  
CSTXV1

PLOT DATE 31-OCT-83 13:18:41

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -48.73% 125.88, 0.00% -10.13



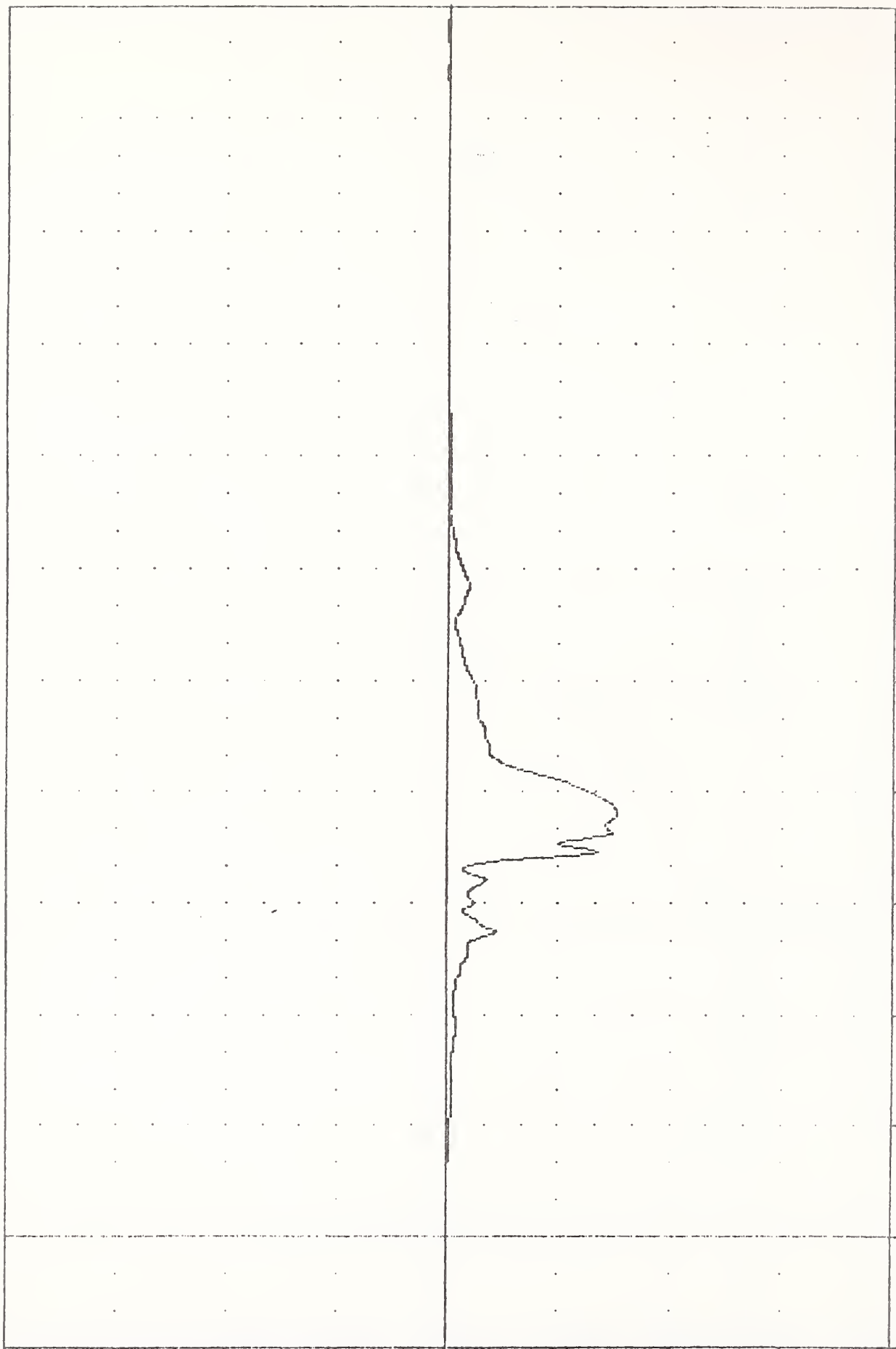
AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY X AXIS 50TH PERCENTILE

PLOT DATE 31-OCT-83 13:18:41

FILTER = BLPF 300/ 849/ -40  
MIN. MAX VALUES = -76.55e 76.00, 1.03 e 215.50

VRTC , R0583-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
PEVX51

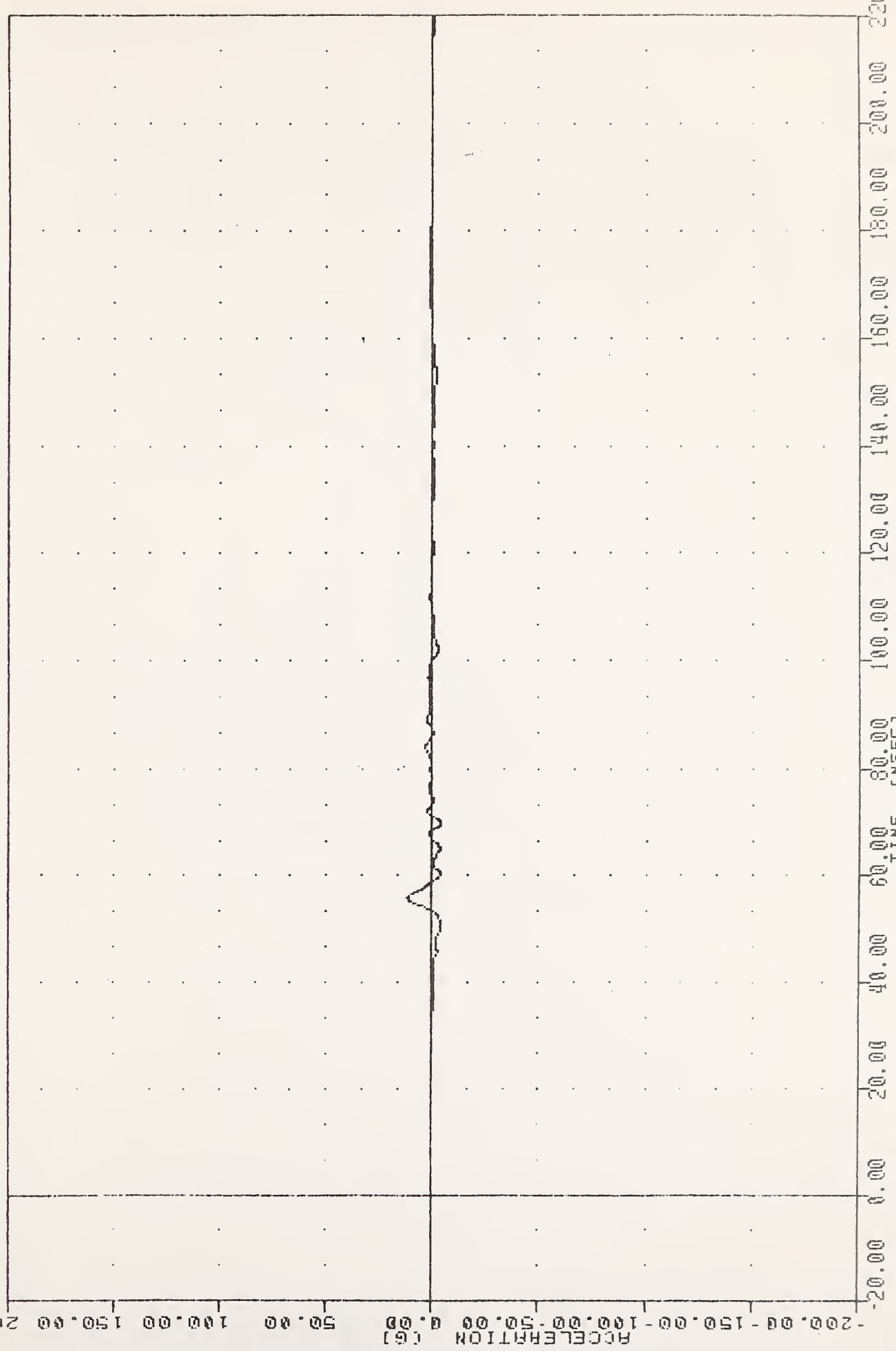
ACCELERATION (G)



TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
PFLVIS ACCELERATION X AXIS 50TH PERCENTILE

VRTC  
 AIRBAG DEMONSTRATION PROGRAM  
 83304  
 PEVY61  
 PLOT DATE 31-OCT-88 13:16:41  
 FILTER = 8LFF 300/ 949/ .40  
 MIN, MAX VALUES = 50.38, 11.40 e 55.75



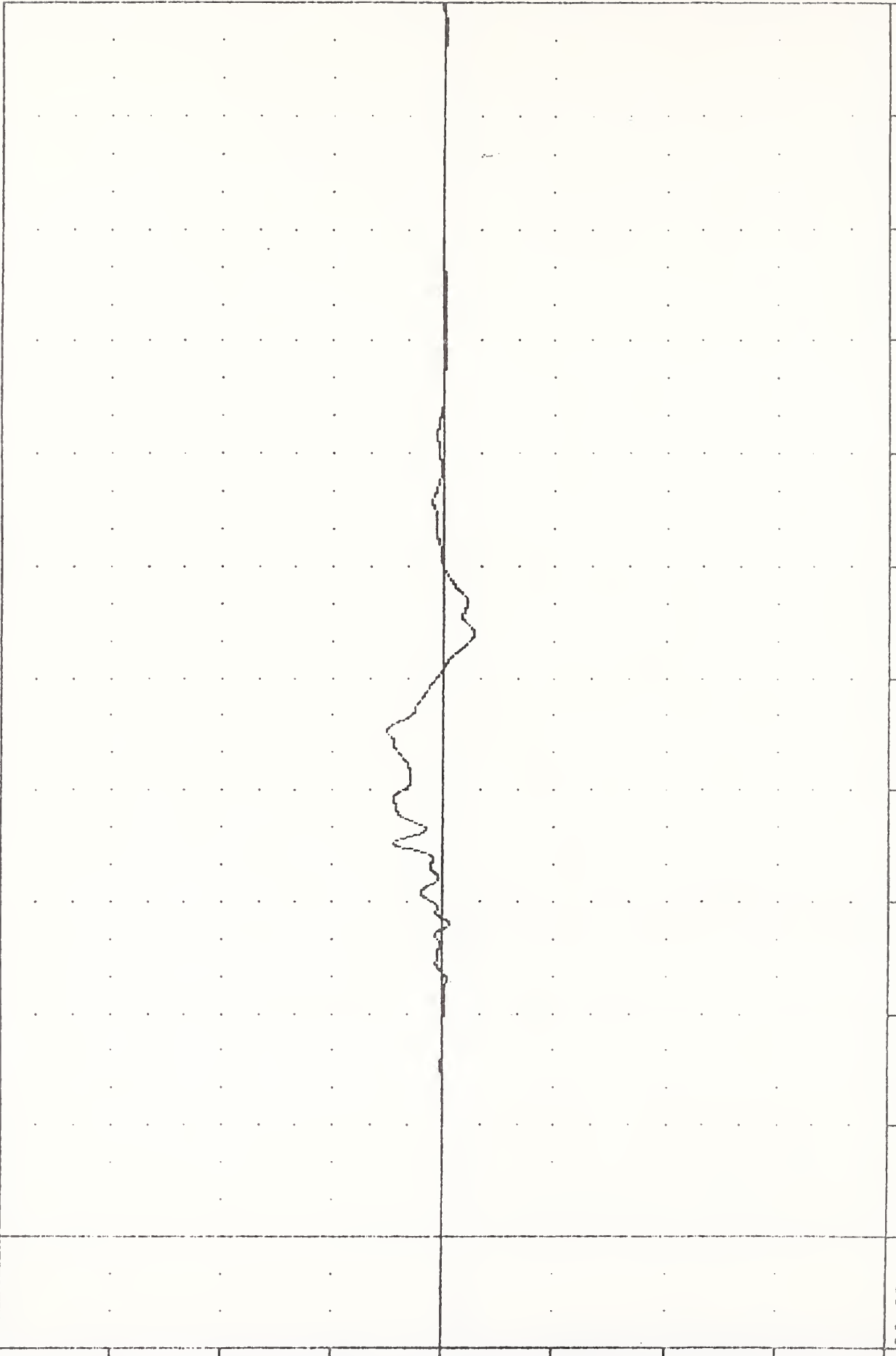
AIRBAG DEMONSTRATION PROGRAM  
 PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

PLOT DATE 31-OCT-83 13:18:41

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -13.68E 107.88, 25.68E 90.63

VRIC , RD583-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
PEVZ61

ACCELERATION (G)

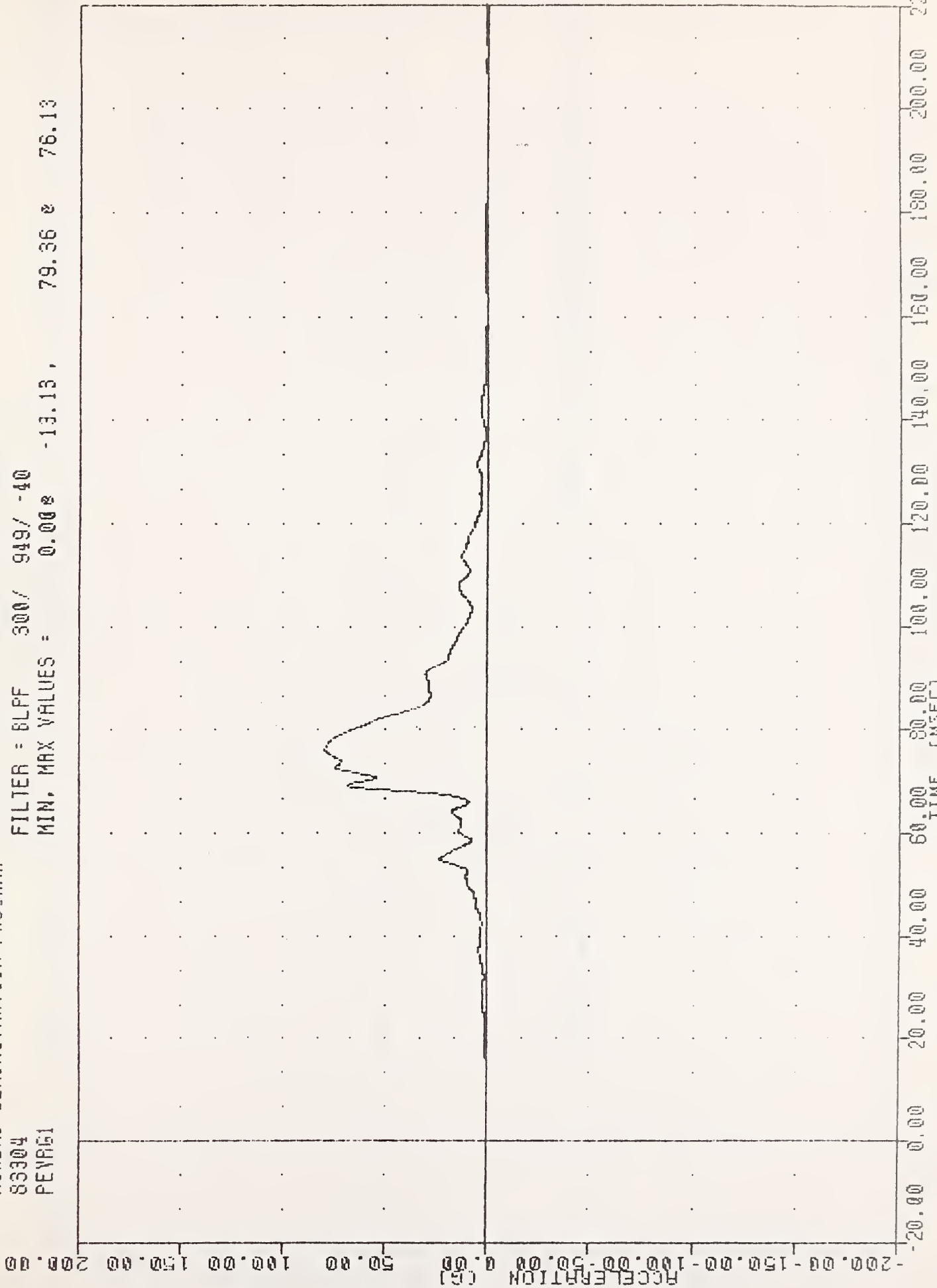


TIME (MSEC) 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

VRIC , R0583-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
PEVRS1

PLOT DATE 31-OCT-83 13:18:41  
FILTER = 6LPF 300/ 949/ -40  
MIN. MAX VALUES = 0.008 -13.13, 79.36 & 76.13



AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

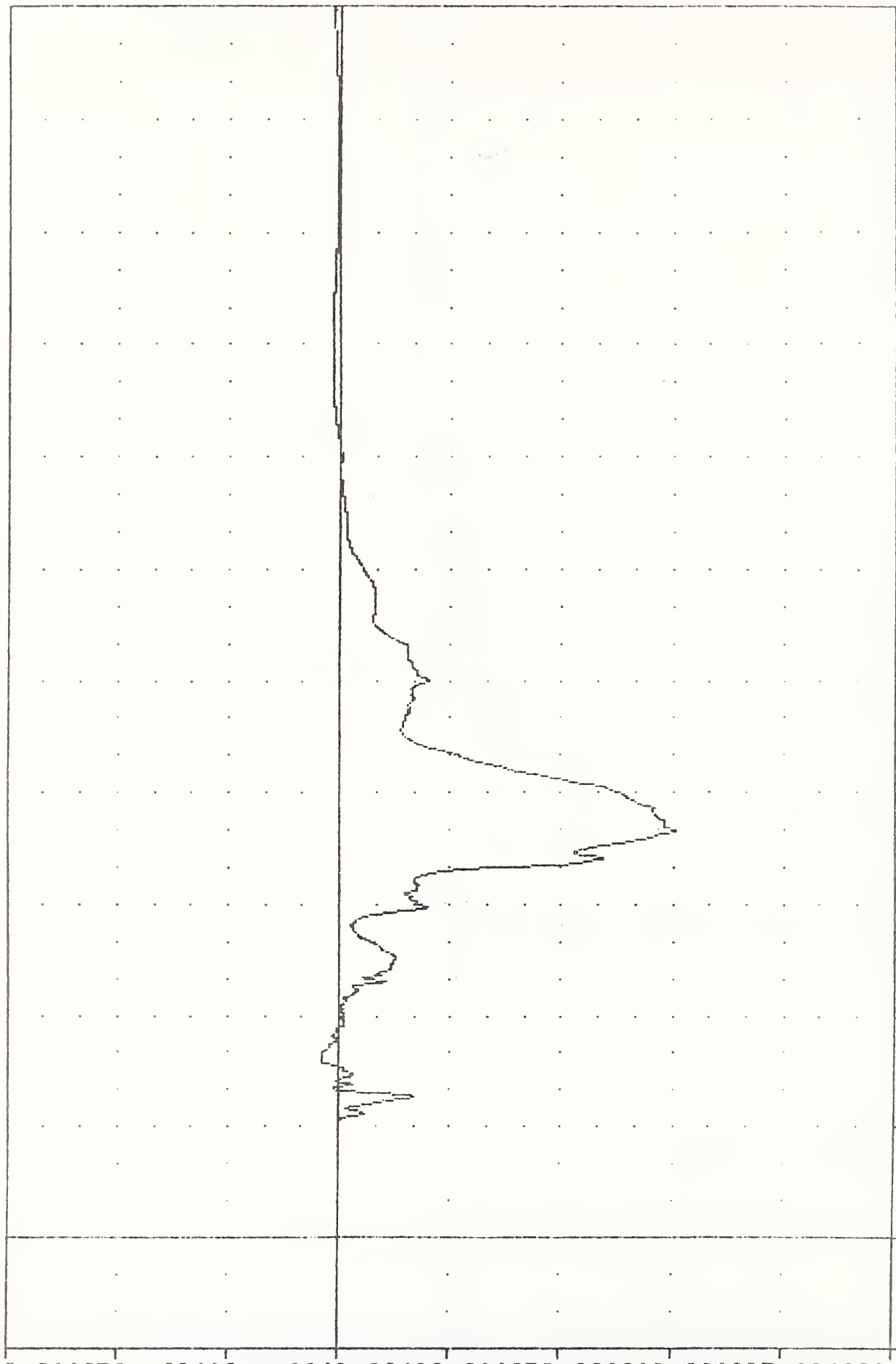


PLOT DATE 31-OCT-83 13:18:41  
FILTER = BLFF 1000/ 3162/ -40  
MIN. MAX VALUES = -1815.91e 73.00, 93.09 e 31.75

VRIC , R0583-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
LFMF1

FORCE (LB) (X10<sup>4</sup>)  
-300.00 -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00

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

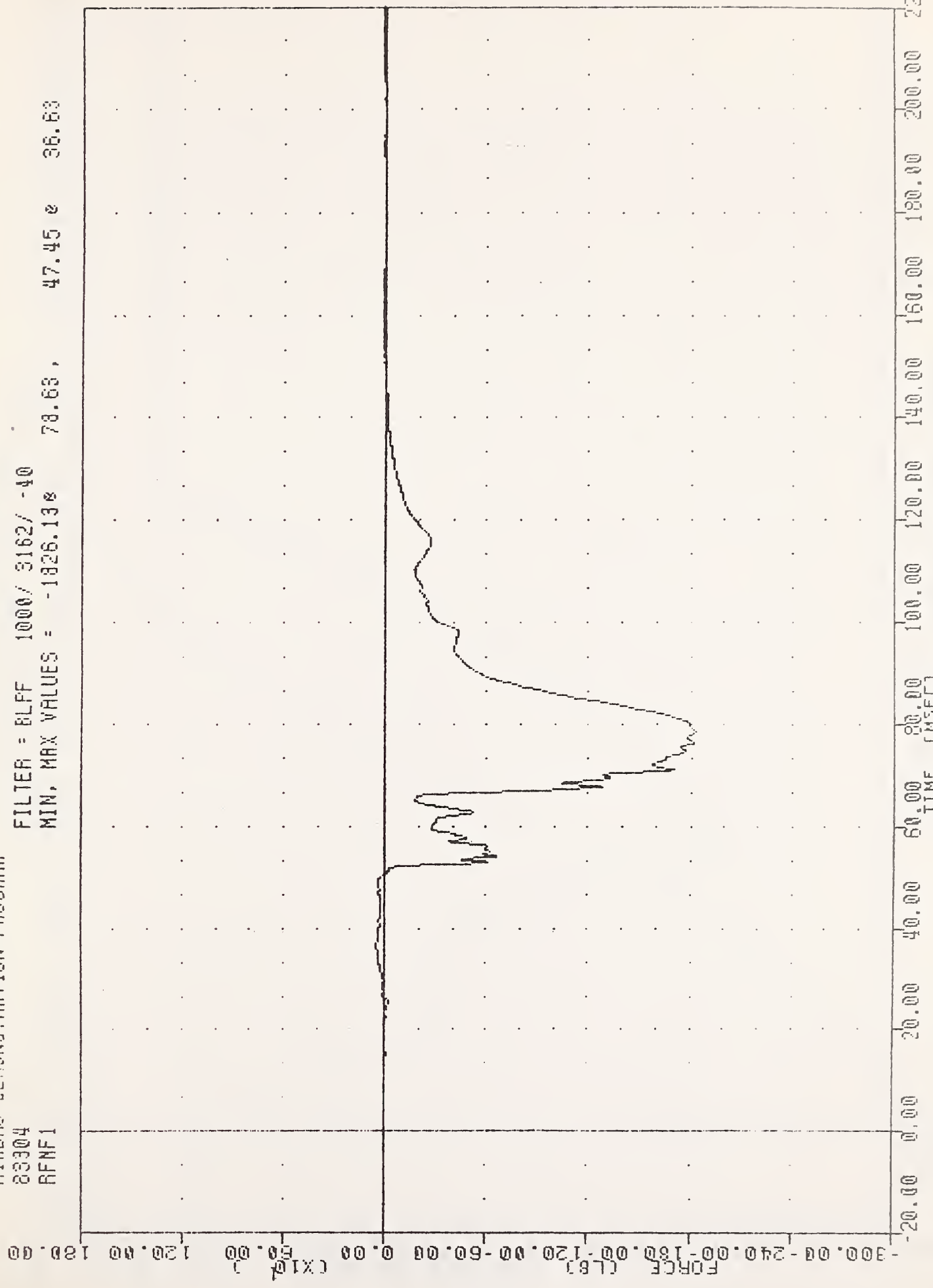


AIRBAG DEMONSTRATION PROGRAM  
LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

VRTC 80583-2-16 31-OCT-83 13:18:41

AIRBAG DEMONSTRATION PROGRAM  
83304  
RFNF1

FILTER = BLFF 1000/ 3162/ -40  
MIN. MAX VALUES = -1826.13 78.63, 47.45 e 36.63

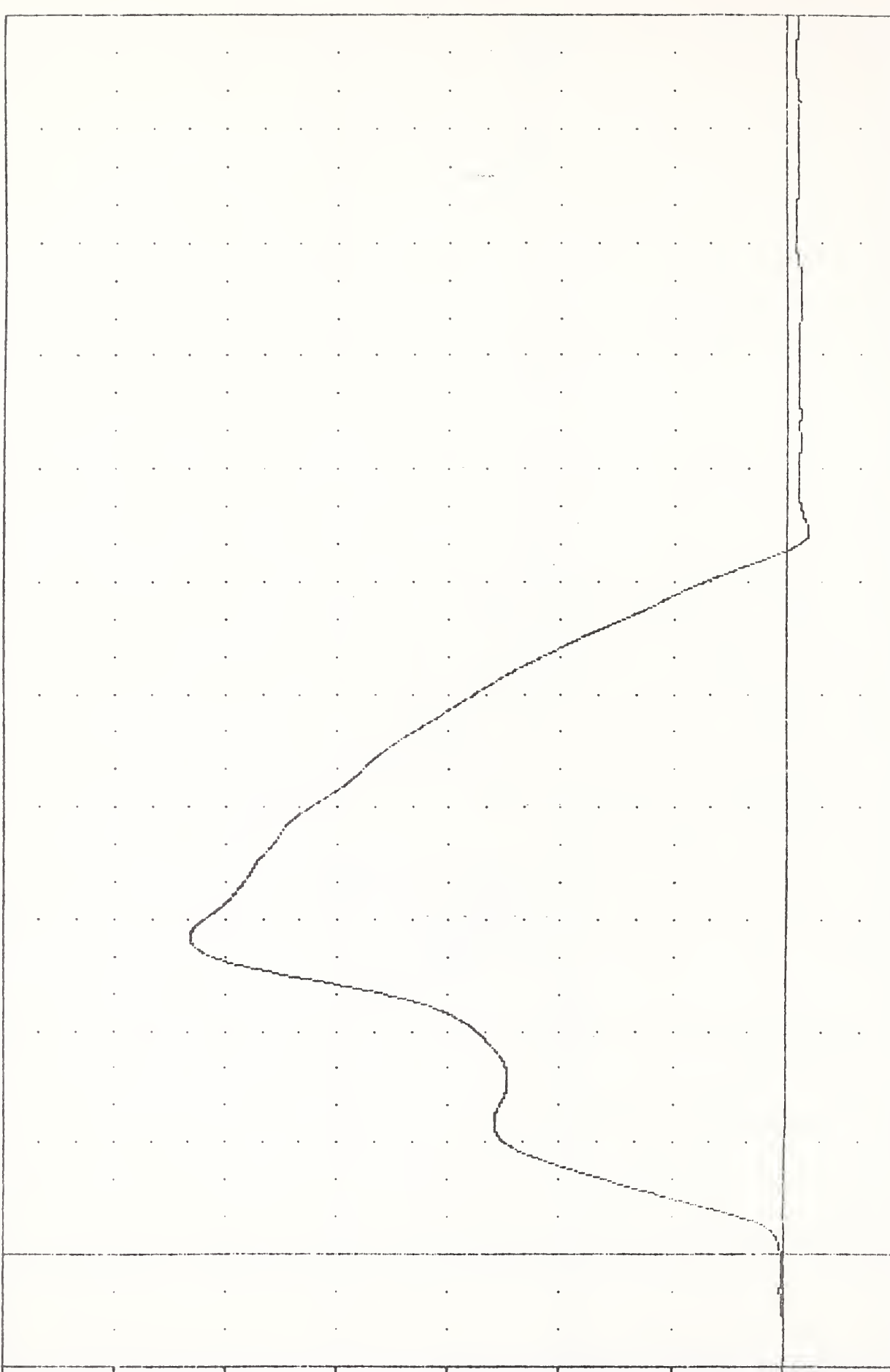


AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN IRS 50TH PERCENTILE

PLOT DATE 31-OCT-88 13:18:41  
FILTER = BLFF 100/ 316/ -40  
MIN, MAX VALUES = -1.018 128.75, 26.63 & 56.75

VRTC , R0583-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
SLOX6C

ACCELERATION (G)  
-5.00 0.00 5.00 10.00 15.00 20.00 25.00 30.00 35.00

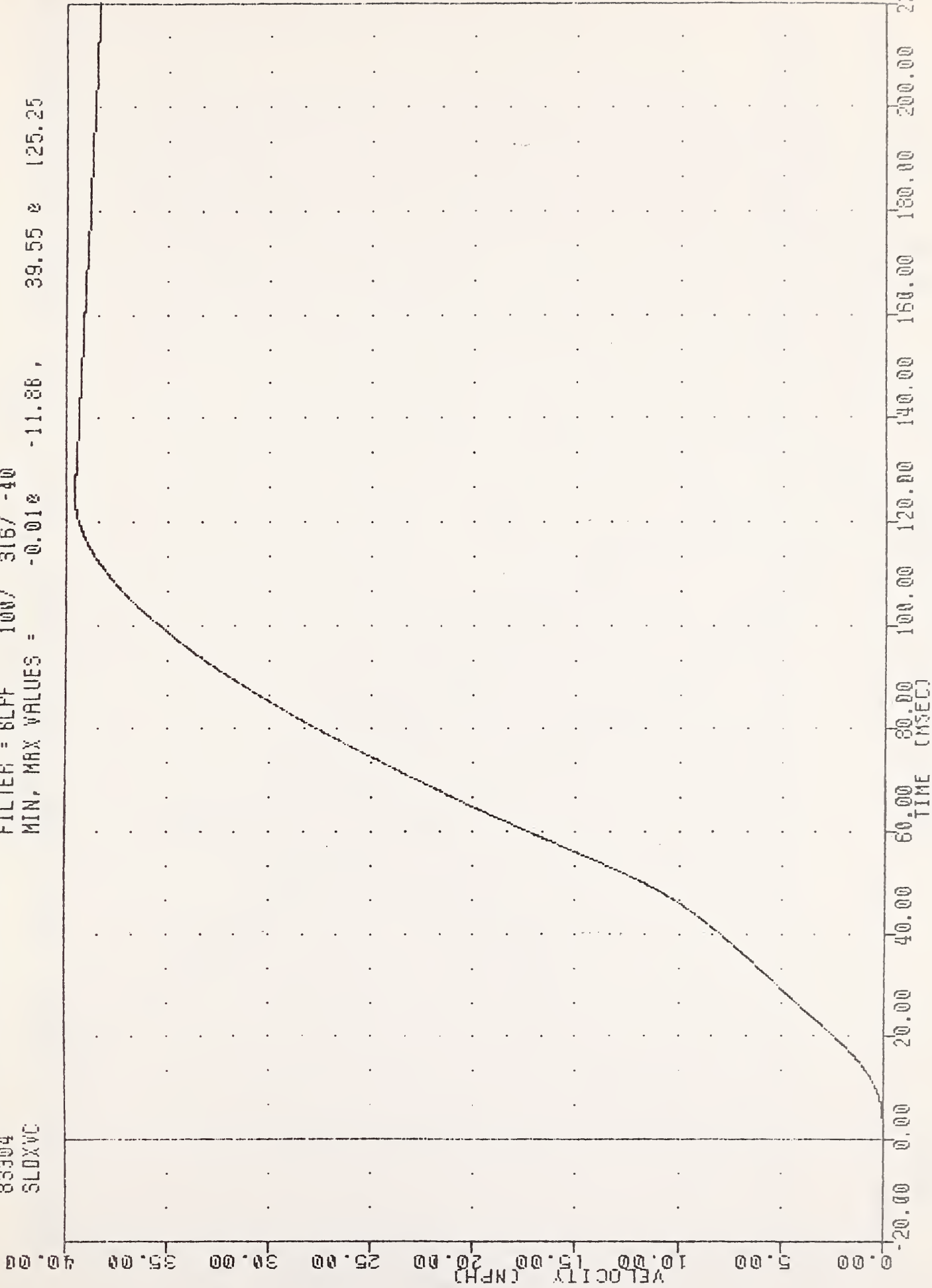


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (MSEC)  
AIRBAG DEMONSTRATION PROGRAM  
SLED ACCELERATION

VRTC 1, RD583-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
SLOXVC

PLOT DATE 31-OCT-83 13:18:41

FILTER = 6LFF 100/ 316/ -40  
MIN, MAX VALUES = -0.010 -11.86, 39.55 & 125.25



AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SLED VELOCITY

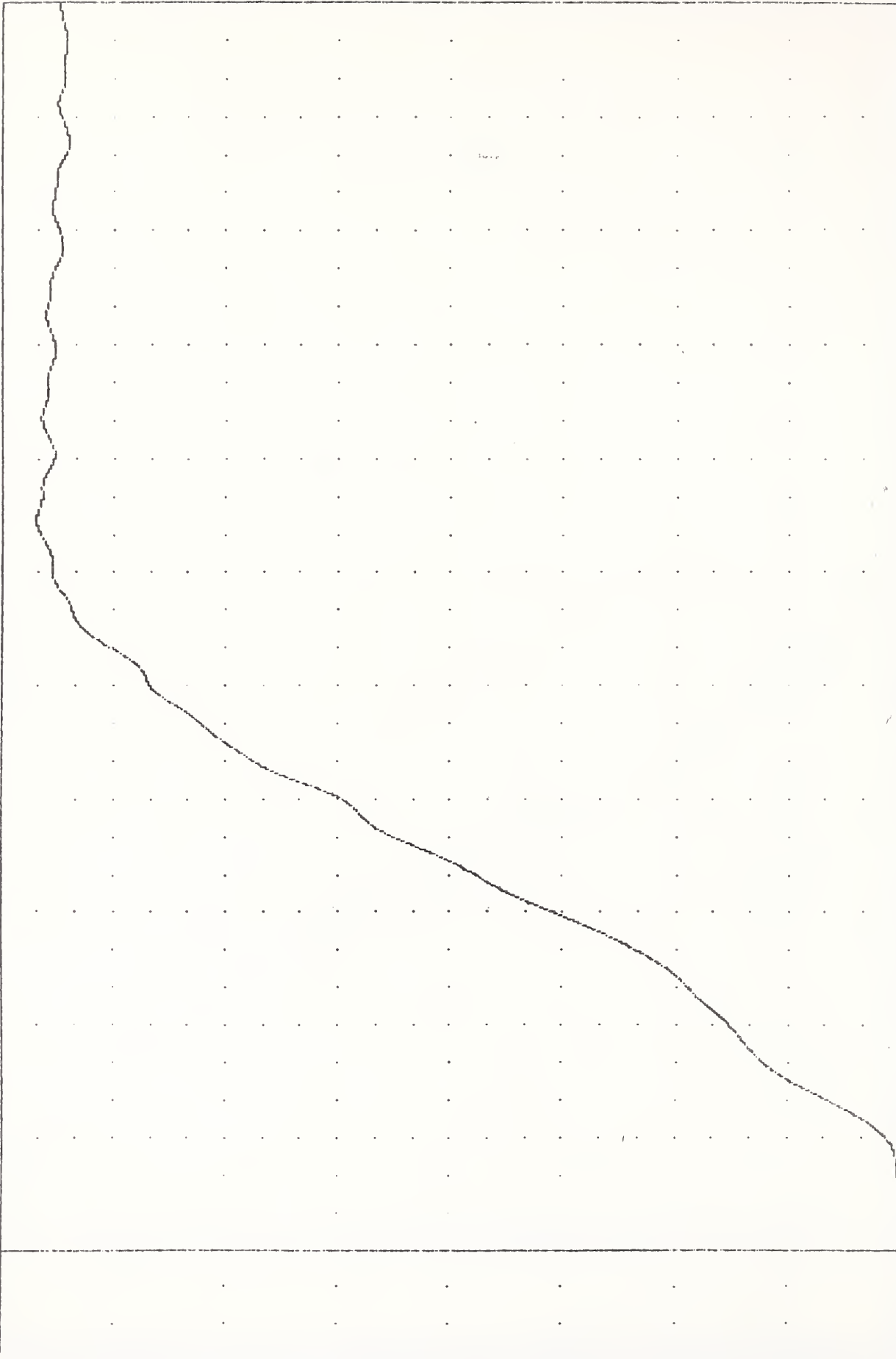
PLOT DATE 31-OCT-83 13:18:41

FILTER = BLPF 100/ 316/ .40  
MIN, MAX VALUES = -0.02% 38.45% 129.00

VRATC , 80589-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83304  
SLDXV

40.00  
35.00  
30.00  
25.00  
20.00  
15.00  
10.00  
5.00  
0.00  
-20.00

-482-



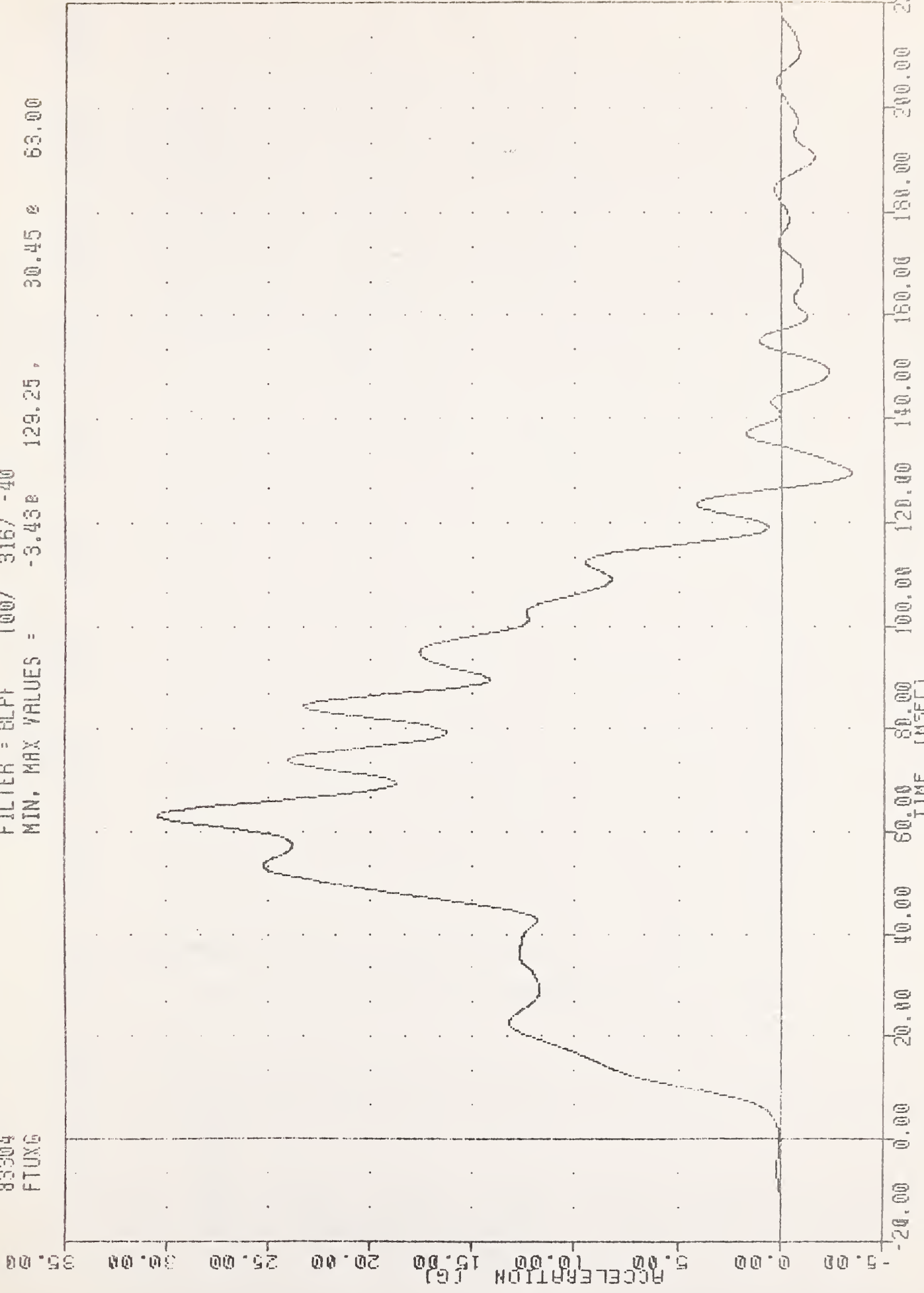
TIME (MSEC) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
SLED VELOCITY

YRTC , R0583-2-16 PLOT DATE 31-OCT-83 13:18:41

AIRBAG DEMONSTRATION PROGRAM  
83304  
FTUXG

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -3.43e 129.25, 30.45 e 63.00



AIRBAG DEMONSTRATION PROGRAM  
FLOOR PAN TUNNEL ACCELERATION

PLOT DATE 31-OCT-83 13:18:41

VATC , RD563-2-16  
AIRBAG DEMONSTRATION PROGRAM

FILTER = BLPF 1650/ 5218/ -40

MIN, MAX VALUES = -0.998 26.63 , 4.56 e 19.25

83304

ABFT1

7.00

6.00

5.00

4.00

3.00

2.00

1.00

0.00

-1.00

-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

220.00

TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM

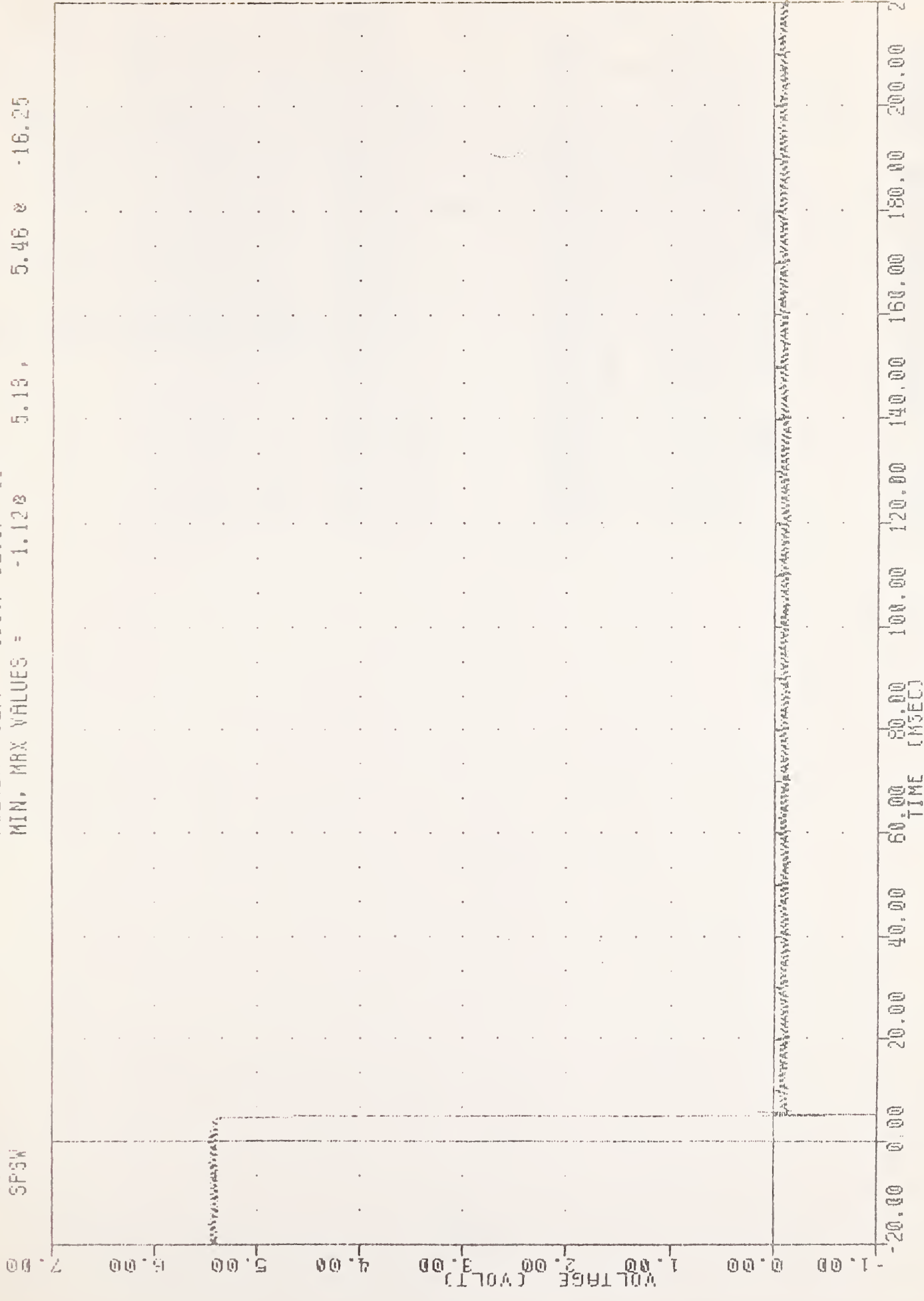
AIR BAG FIRING EVENT 50TH PERCENTILE



VATE , R0503-2-16"  
 AIRBAG DEMONSTRATION PROGRAM  
 83304  
 SPSW

PLOT DATE 31-OCT-83 13:15:41

FILTER = BLFF 1650/ 5218/ -40  
 MIN. MAX VALUES = -1.128 5.13, 5.46 e -16.25



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
 TIME (MSEC)  
 AIRBAG DEMONSTRATION PROGRAM  
 SLED POSITION SWITCH

		Min value		Max value		Unit
1	SPSW	-1.229	@ 6.000	5.445	@ -11.625	msec volt
2	SLDXGC	-0.611	@ 167.375	19.744	@ 60.875	msec g
3	SLDXVC	-0.016	@ -11.125	33.857	@ 142.500	msec mph
4	SLDXV	-0.031	@ -2.750	33.041	@ 145.125	msec mph
5	FTUXG	-2.100	@ 235.375	-21.106	@ 68.875	msec g
6	ABFT1	-0.688	@ 27.625	4.269	@ 20.250	msec volt
7	HEDXG1	-50.459	@ 112.625	38.091	@ 109.375	msec g
8	HEDXV1	-28.028	@ 300.000	0.020	@ 33.000	msec mph
9	HEDYG1	-107.400	@ 109.375	2.761	@ 156.875	msec g
0	HEDZG1	-49.315	@ 109.250	6.391	@ 83.750	msec g
1	CSTXG1	-30.540	@ 109.500	8.093	@ 40.000	msec g
2	CSTXV1	-29.072	@ 145.750	0.001	@ -22.375	msec mph
3	CSTYG1	-17.385	@ 129.250	3.241	@ 88.125	msec g
4	CSTZG1	-10.041	@ 113.500	15.104	@ 82.500	msec g
5	PEVXG1	-74.170	@ 80.750	1.322	@ 167.375	msec g
6	PEVYG1	-23.258	@ 90.125	5.966	@ 79.250	msec g
7	PEVZG1	-4.609	@ 136.125	22.179	@ 87.750	msec g
8	CSTXD	-0.007	@ 24.250	0.485	@ 85.625	msec in
9	LFMF1	-1138.146	@ 81.375	534.034	@ 116.750	msec lb
0	RFMF1	-2324.240	@ 79.625	70.555	@ 141.375	msec lb
1	HEDRG1	0.026	@ -24.500	124.032	@ 109.375	msec g
2	CSTRG1	0.003	@ -22.375	31.572	@ 109.375	msec g
3	PEVRG1	0.005	@ -8.500	76.481	@ 80.500	msec g

\* \* \* HIC computation for TRC228I 1-NOV-83 15:54:18

HEDRG1 VRTC RD583-2-17 83305 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 124.03 @ 109.375

HIC = 369.32 Interval from 97.125 [ 978] to 121.500 [1173]

HIC = 339.46 Interval from 101.625 [1014] to 116.625 [1134]

Elapsed time = 8.69 sec

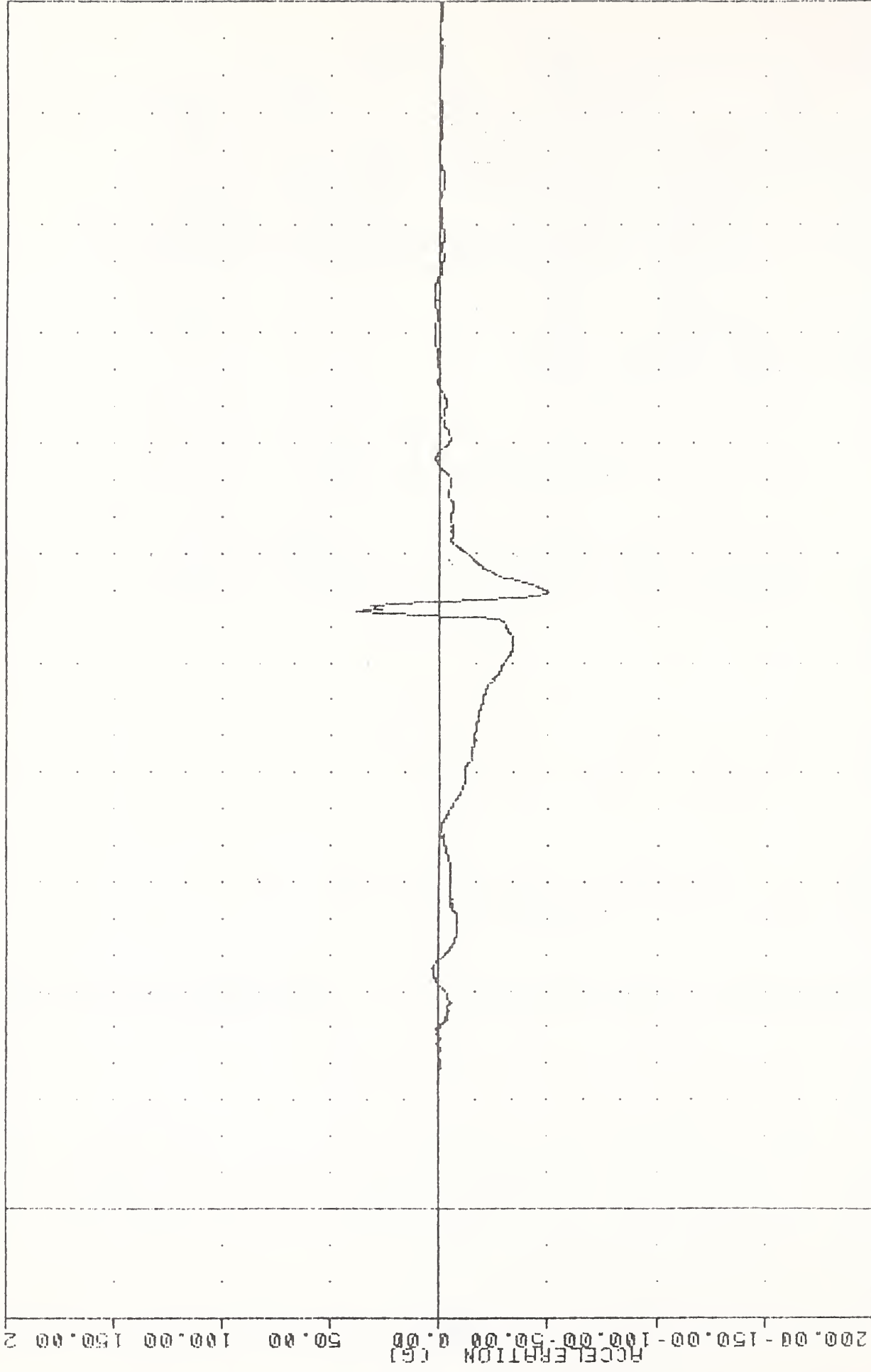
Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

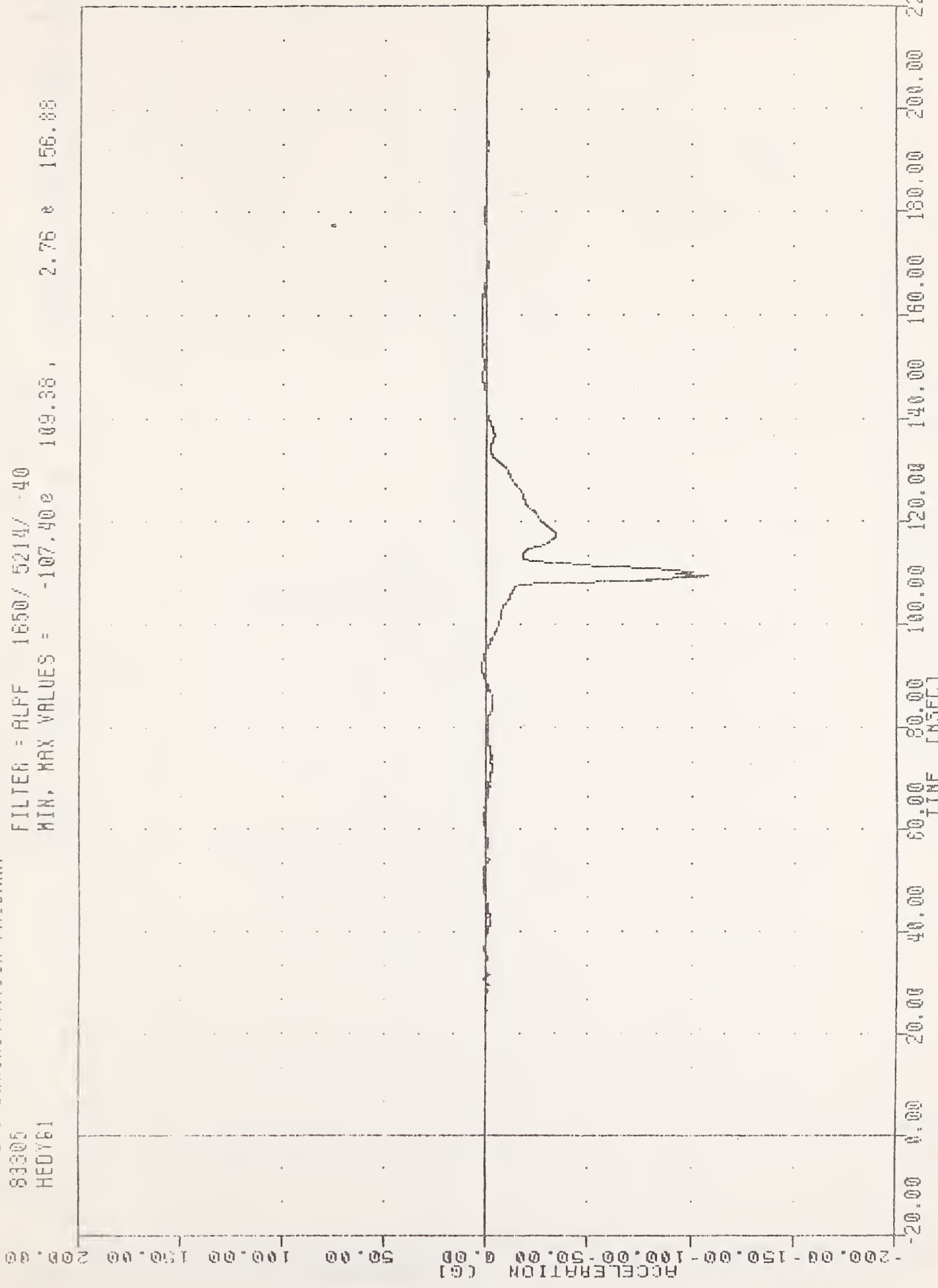
WRTC , R0583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
HEAD061

PLOT DATE 1-NOV-83 15:55:54  
FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -50.46 112.63 , 38.09 109.38



ACCELERATION (G)  
TIME (MSEC)  
AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION X AXIS 50TH PERCENTILE

VATIC , RC503-2-17  
 AIRBAG DEMONSTRATION PROGRAM  
 83305  
 HEDY61  
 PLOT DATE 1-NOV-83 15:55:54  
 FILTER = ALPF 1650/ 5214/ -40  
 MIN, MAX VALUES = -107.40e 109.38, 2.76 e 156.88

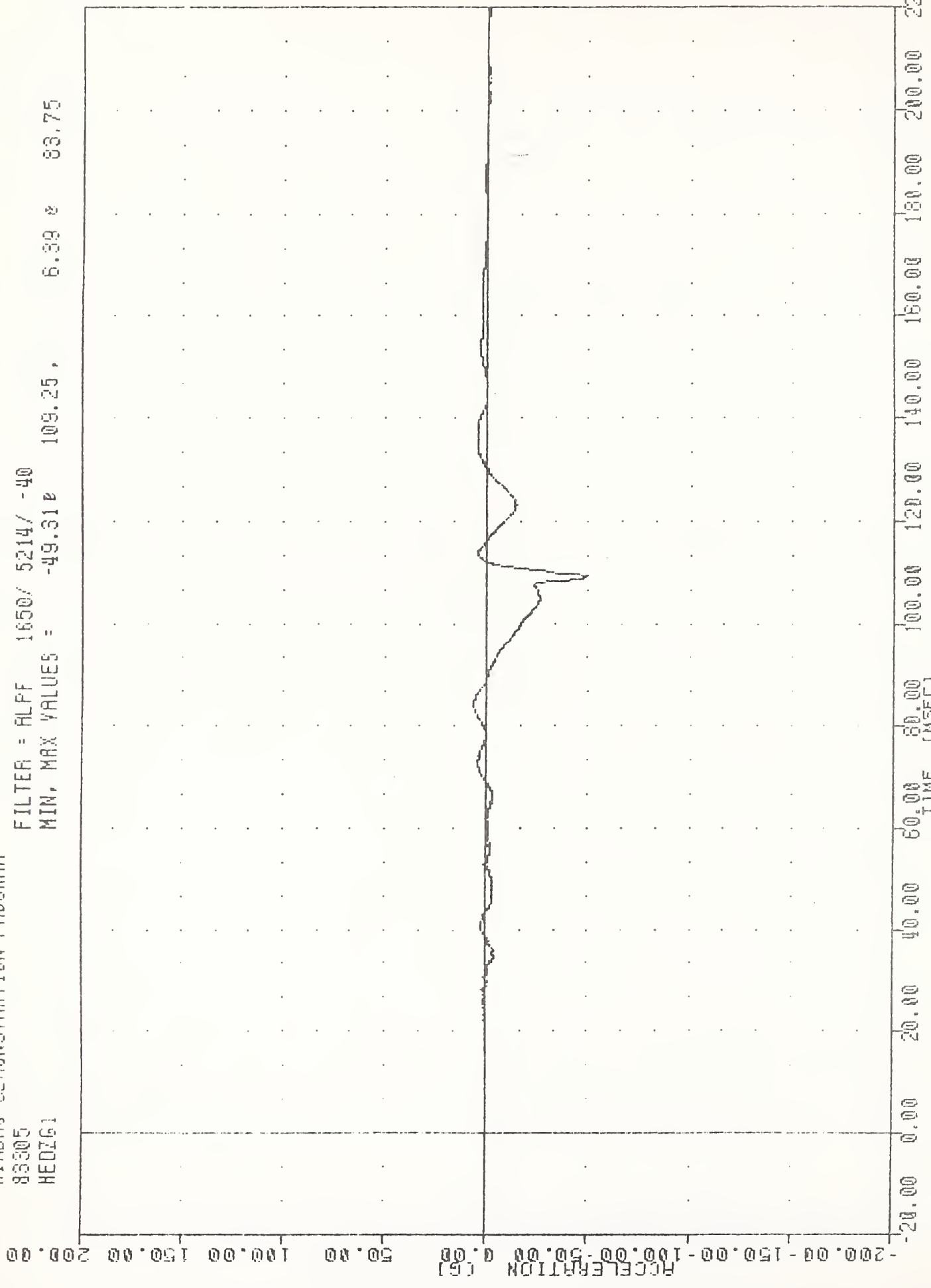


AIRBAG DEMONSTRATION PROGRAM  
 HEAD ACCELERATION Y AXIS 50TH PERCENTILE

VRTC , R0583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
HEADZG1

PLOT DATE 1-NOV-83 15:55:54

FILTER = ALFF 1650/ 5214/ -40  
MIN, MAX VALUES = -49.31e 109.25, 6.99 e 83.75

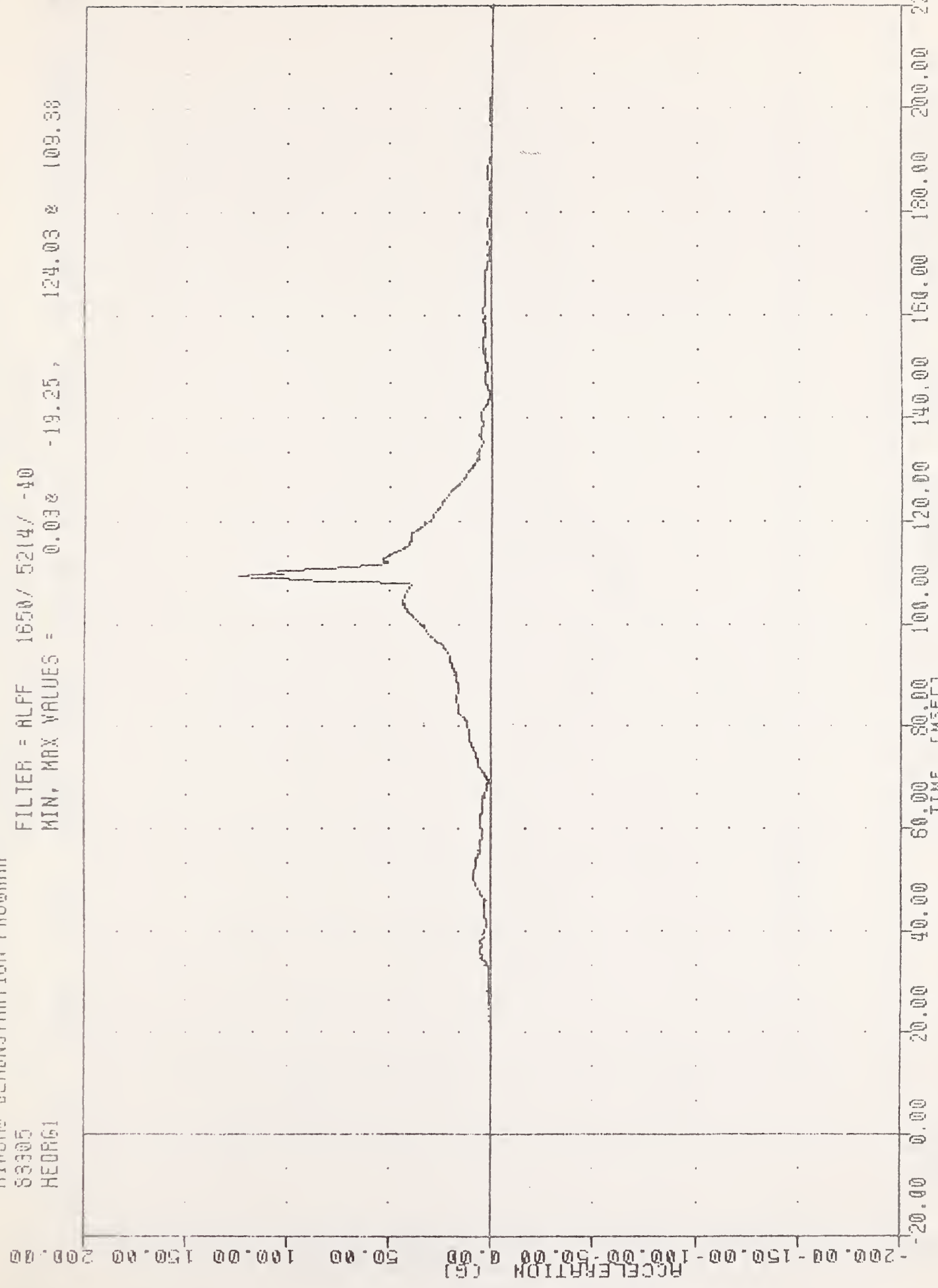


AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Z AXIS 50TH PERCENTILE

VSIC , RD583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
HEAD61

PLOT DATE 1-NOV-83 15:55:54

FILTER = ALFF 1650/ 5214/ -40  
MIN, MAX VALUES = 0.03e -19.25, 124.03 e 109.38



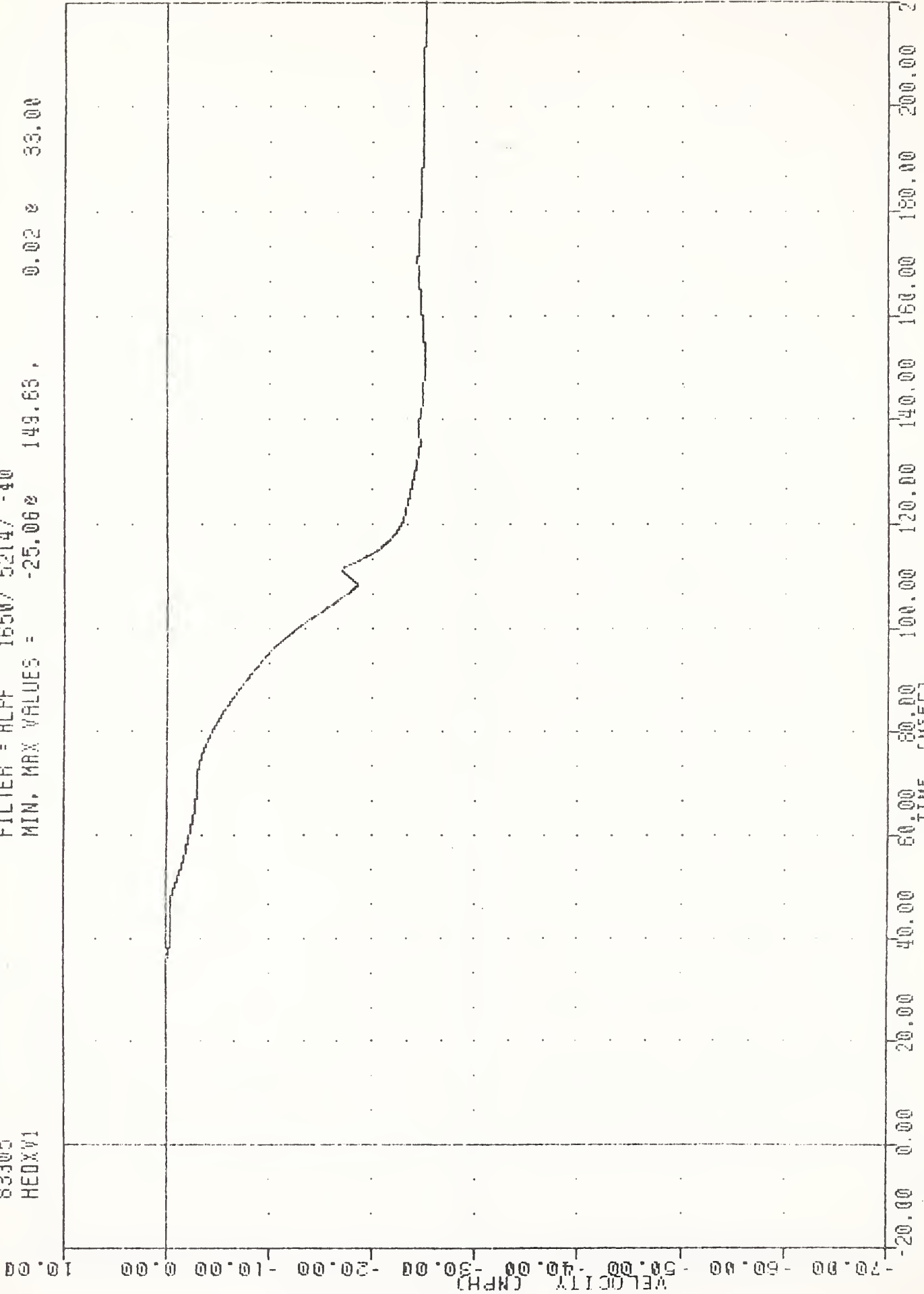
AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 50TH PERCENTILE



VRIC  
AIRBAG DEMONSTRATION PROGRAM  
83305  
HEADV1

PLOT DATE 1-NOV-83 15:55:54

FILTER = ALFF 1650/ 5214/ -40  
MIN. MAX VALUES = -25.06% 149.63, 0.02% 33.00

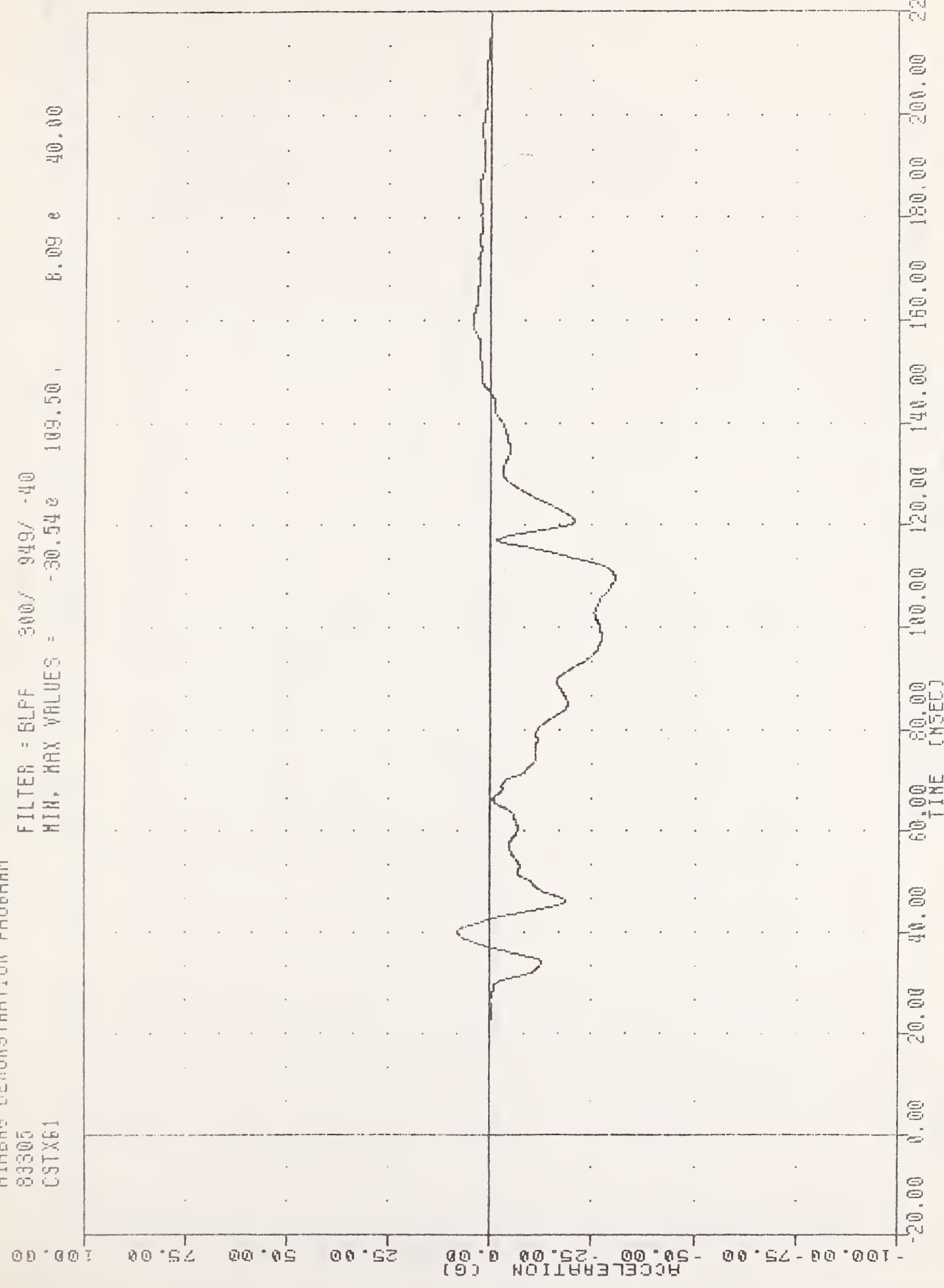


AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS 50TH PERCENTILE

WAIL , RU583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
CSTX61

PLOT DATE 1-NOV-83 15:55:54

FILTER = BLFF 300/ 949/ -40  
MIN, MAX VALUES = -30.54 e 109.50 , 8.09 e 40.00



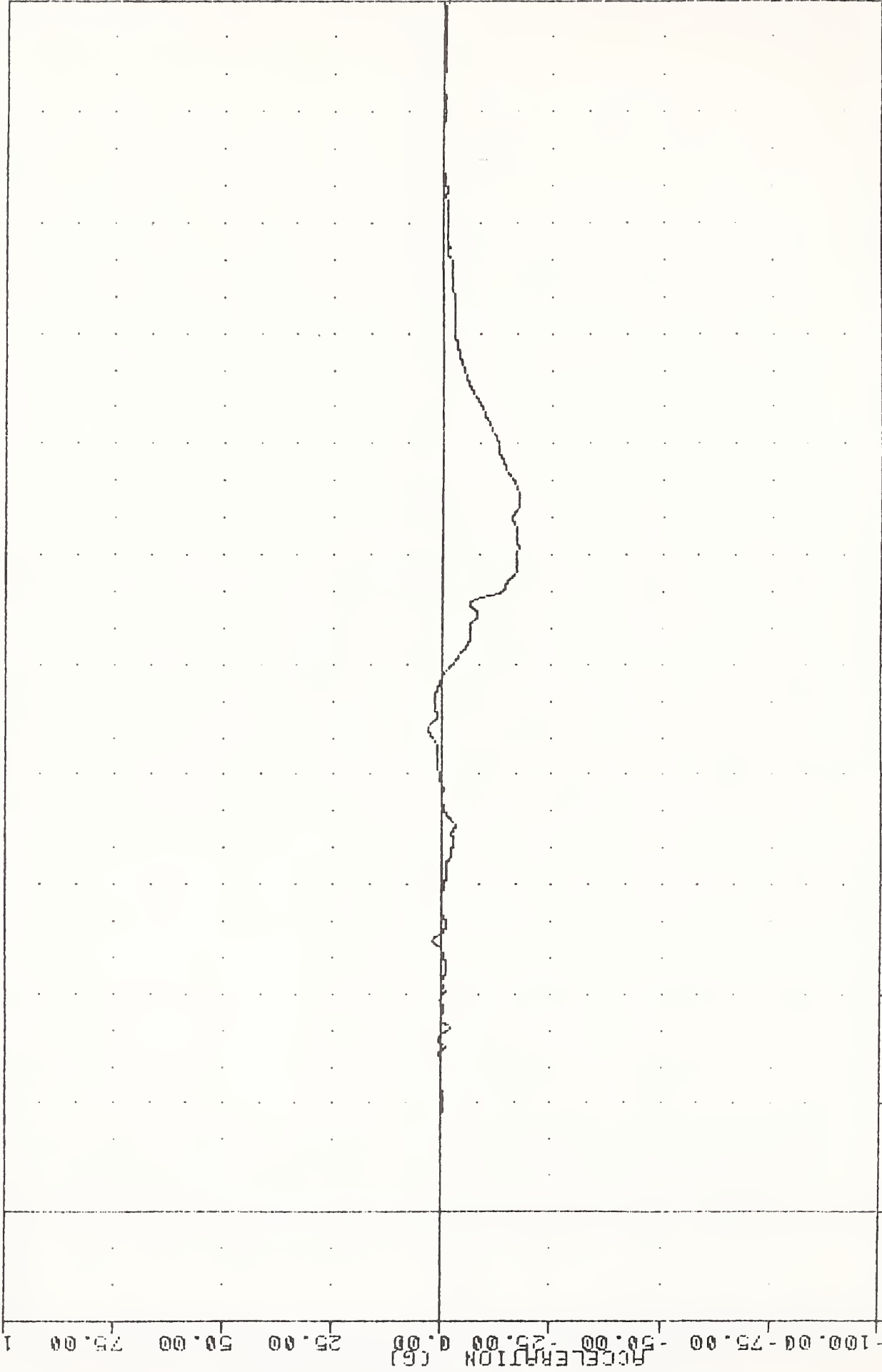
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 50TH PERCENTILE

1 WHIL 1 , H0083-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
CSTY161

1 PLOT DATE 1-NOV-83 15:55:54

FILTER = 6LFF 300/ 949/ -40  
MIN. MAX VALUES = -17.38e 129.25, 3.24 e 86.13

100.00



ACCELERATION (G)

-20.00

0.00

20.00

40.00

60.00

80.00

100.00

120.00

140.00

160.00

180.00

200.00

220.00

TIME (MSEC)

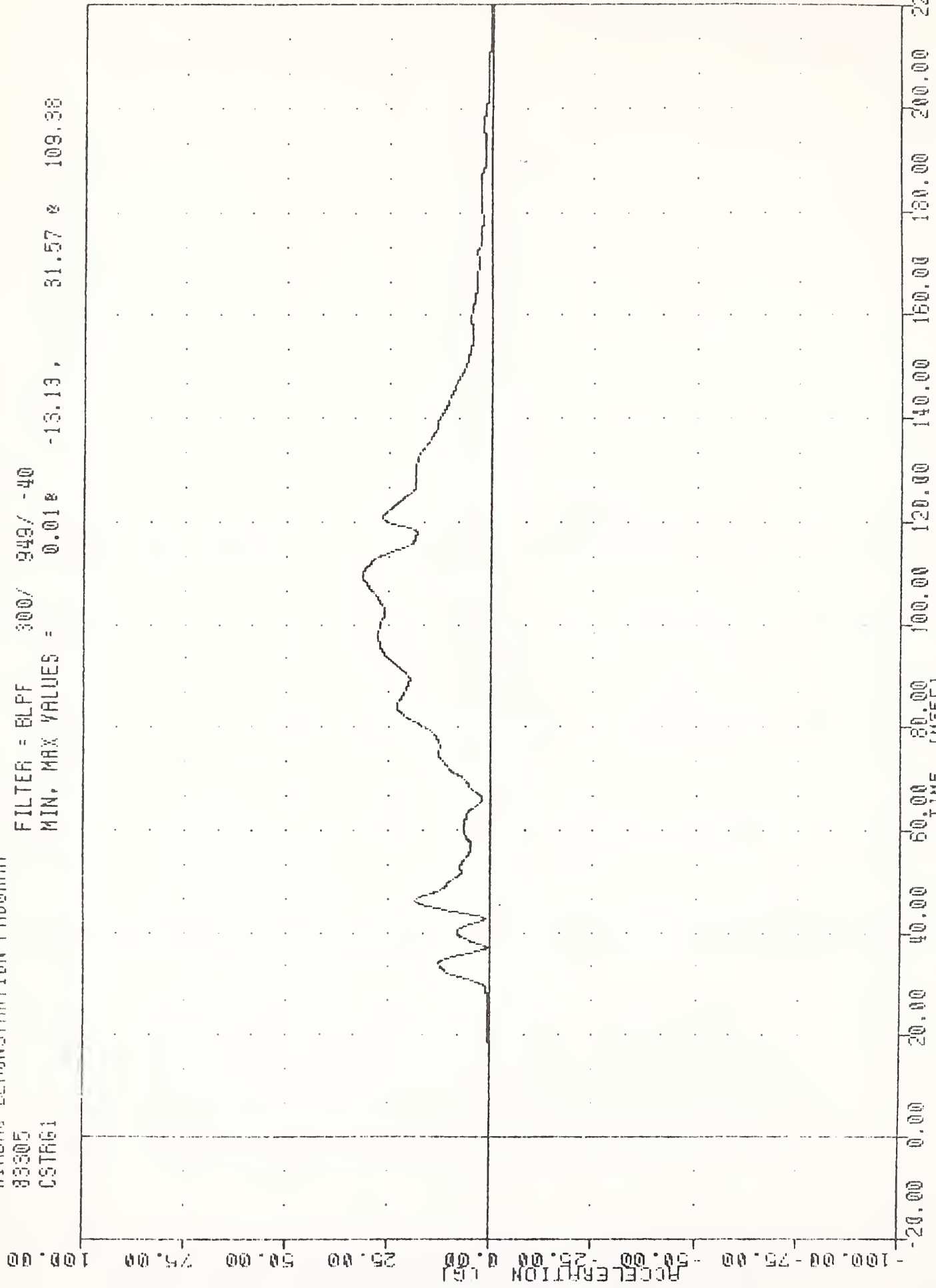
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 50TH PERCENTILE



VRIC , R0583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
CSTR61

PLOT DATE 1-NOV-83 15:55:54

FILTER = BLPF 300/ 249/ -40  
MIN, MAX VALUES = 0.018 -13.13, 31.57 & 109.38

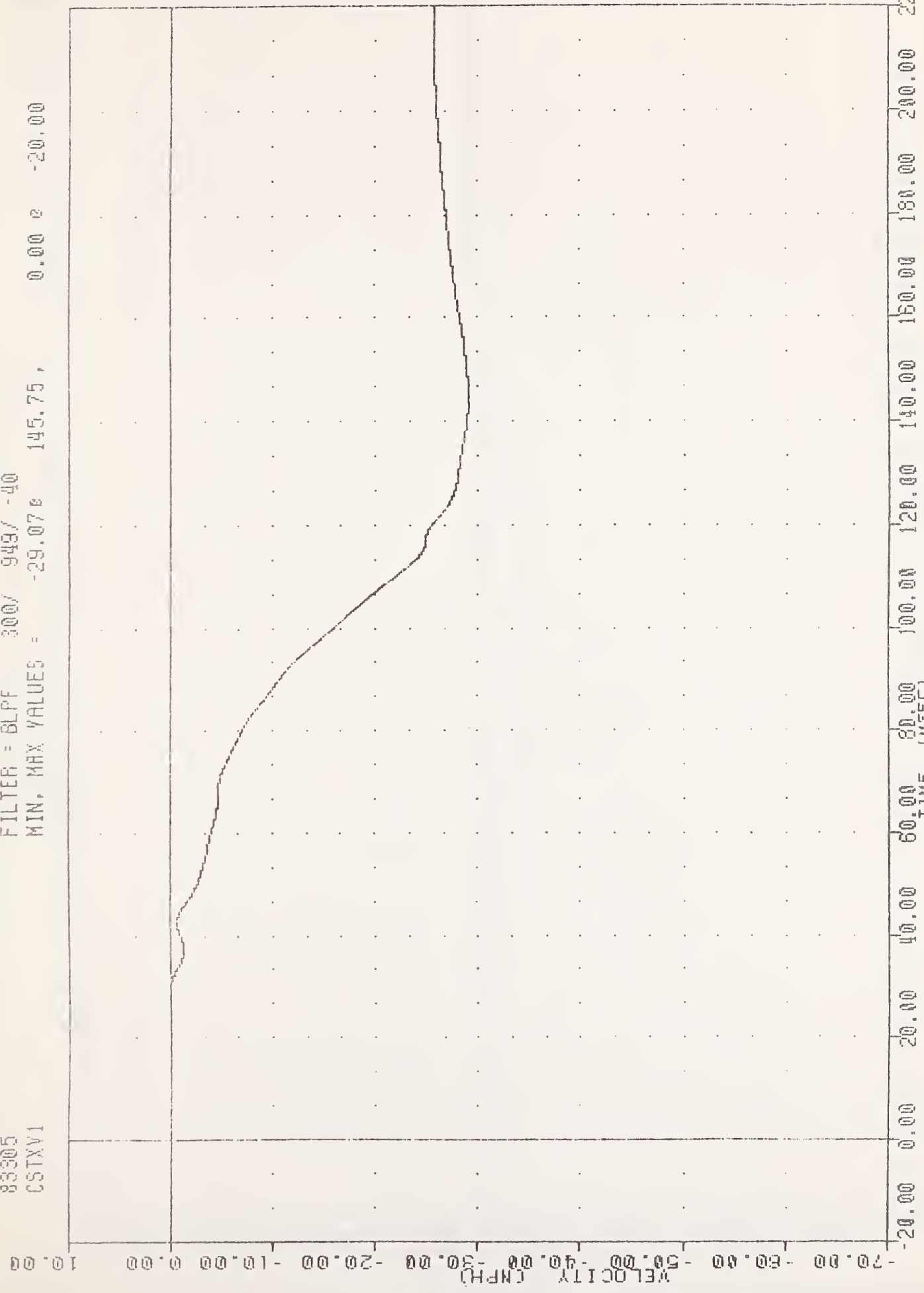


AIRBAG DEMONSTRATION PROGRAM  
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

PLOT DATE 1-NOV-83 15:55:54

FILTER = BLPF 300/ 948/ -40  
MIN, MAX VALUES = -29.07 145.75, 0.00 2 -20.00

VRIL , RU583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
CSTXV1

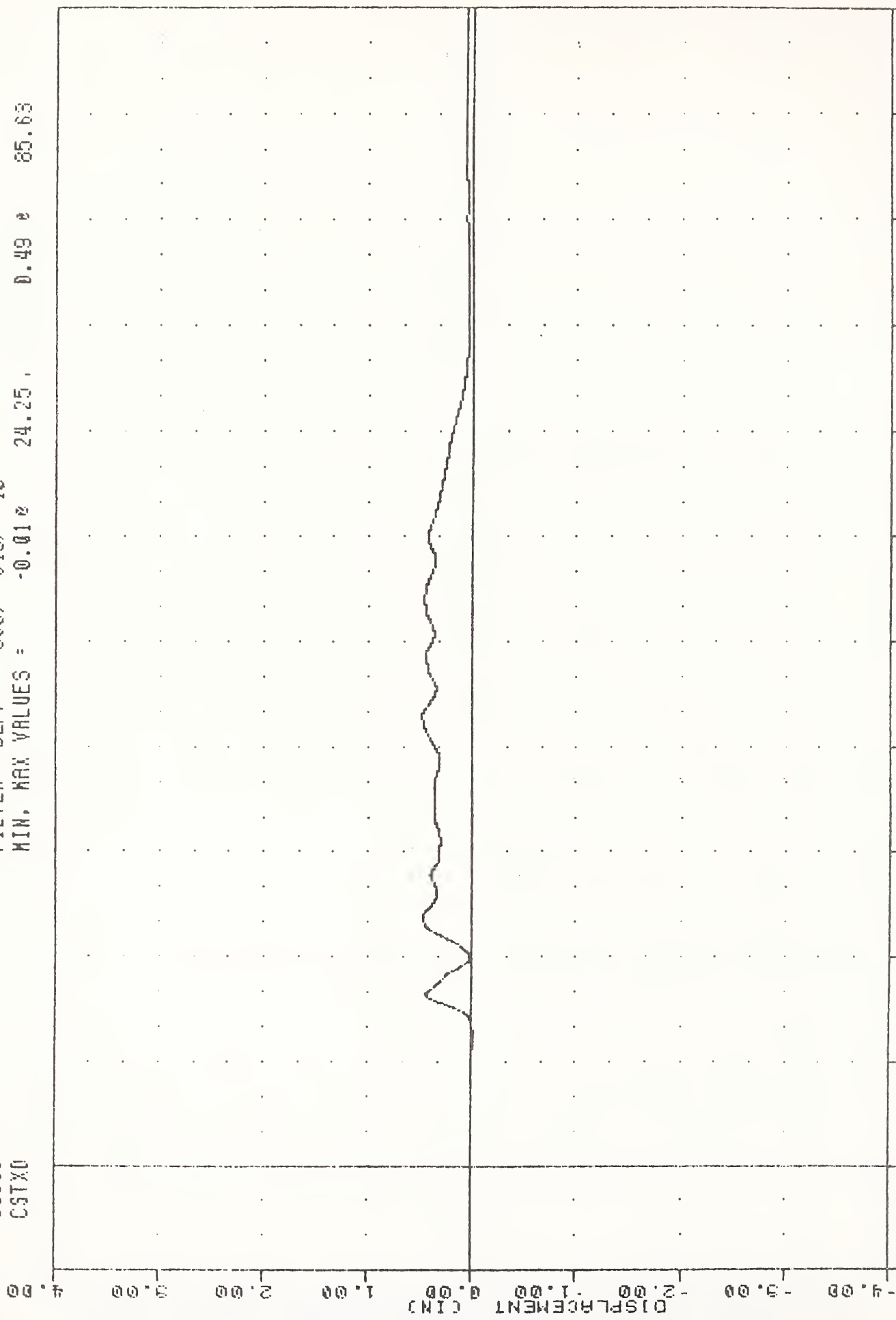


AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY X AXIS 50TH PERCENTILE

VRIL , HUS83-2-17  
AIRBAG DEMONSTRATION PROGRAM  
23305  
CSTX0

PLOT DATE 1-NOV-83 15:55:54

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -0.012 24.25, 0.49 e 85.63



-4.00  
-3.00  
-2.00  
-1.00  
0.00  
1.00  
2.00  
3.00  
4.00  
TIME (MSEC)  
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
CHEST DISPLACEMENT 50TH PERCENTILE

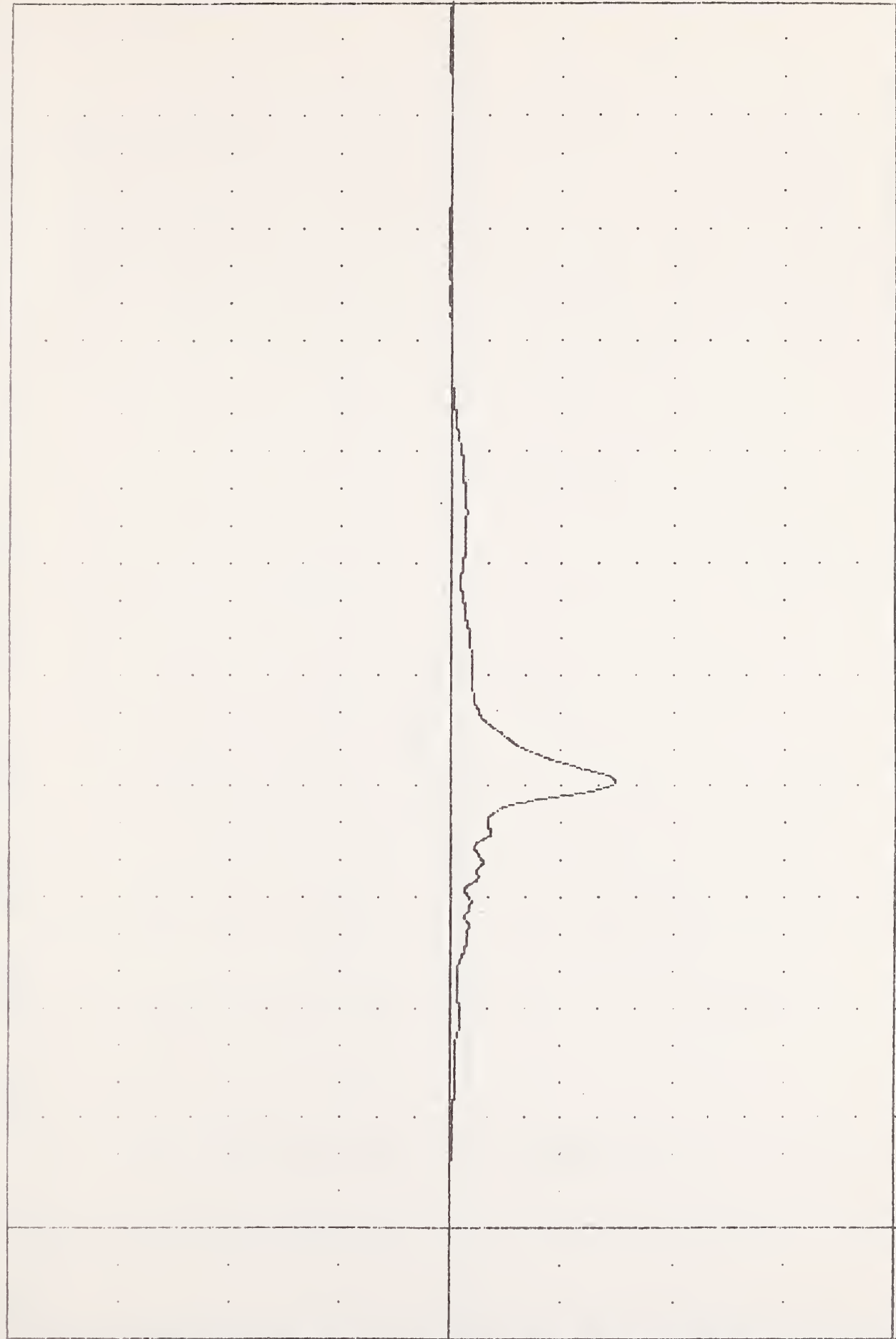


WHIL  
AIRBAG DEMONSTRATION PROGRAM  
83305  
PEYX61

1 NOV 83 15:55:54

FILTER = BLFF 300/ 949/ -40  
MIN. MAX VALUES = -74.17e 80.75. 1.32 e 167.38

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



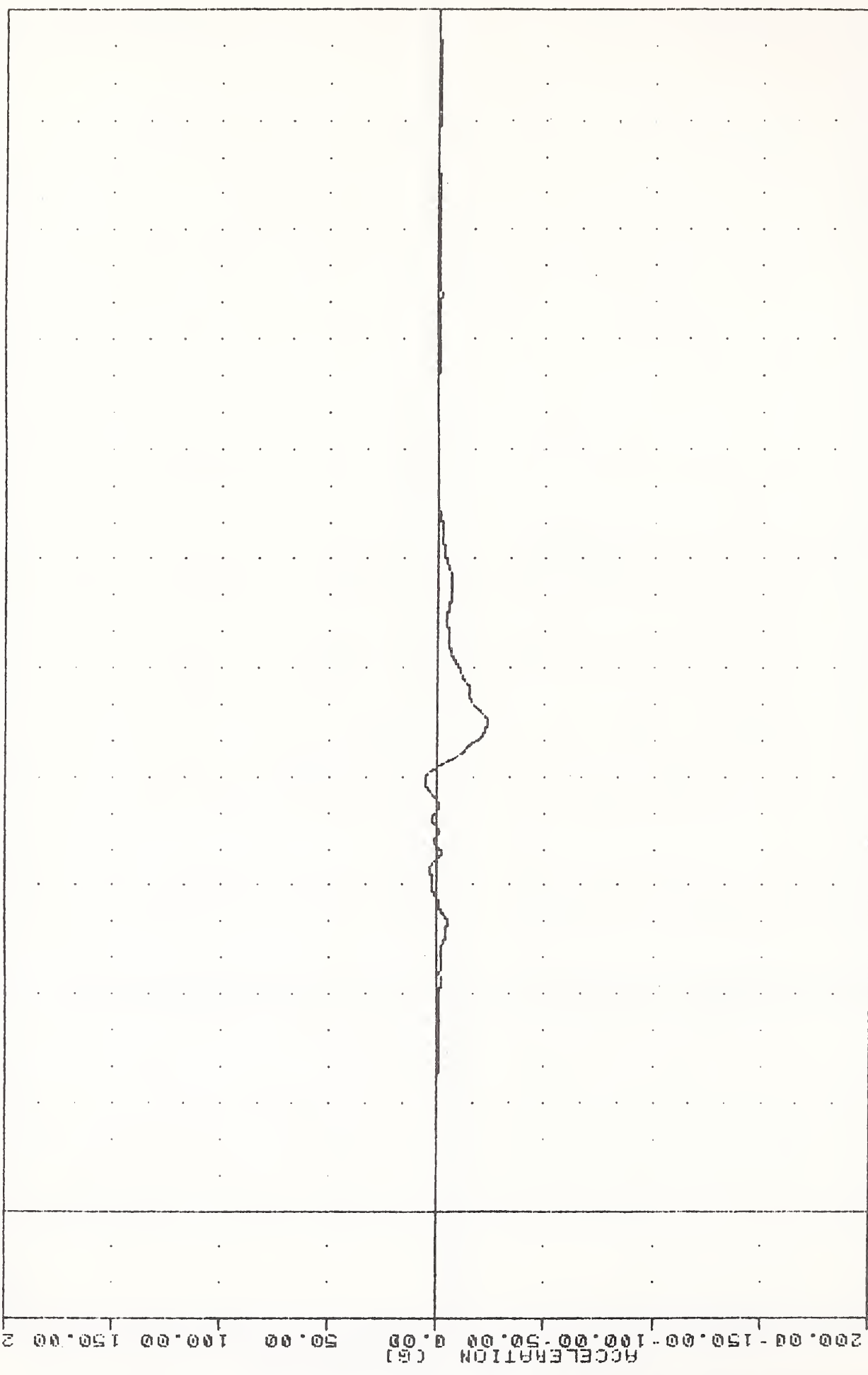
TIME (MSEC)  
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION X AXIS 50TH PERCENTILE

MAIL 01 . RU883-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
PEWY61

PLD1 DATE 1-NOV-88 15:55:54

FILTER = BLFF 300/ 949/ -40  
MIN. MAX VALUES = -23.26% 90.13, 5.97 & 79.25

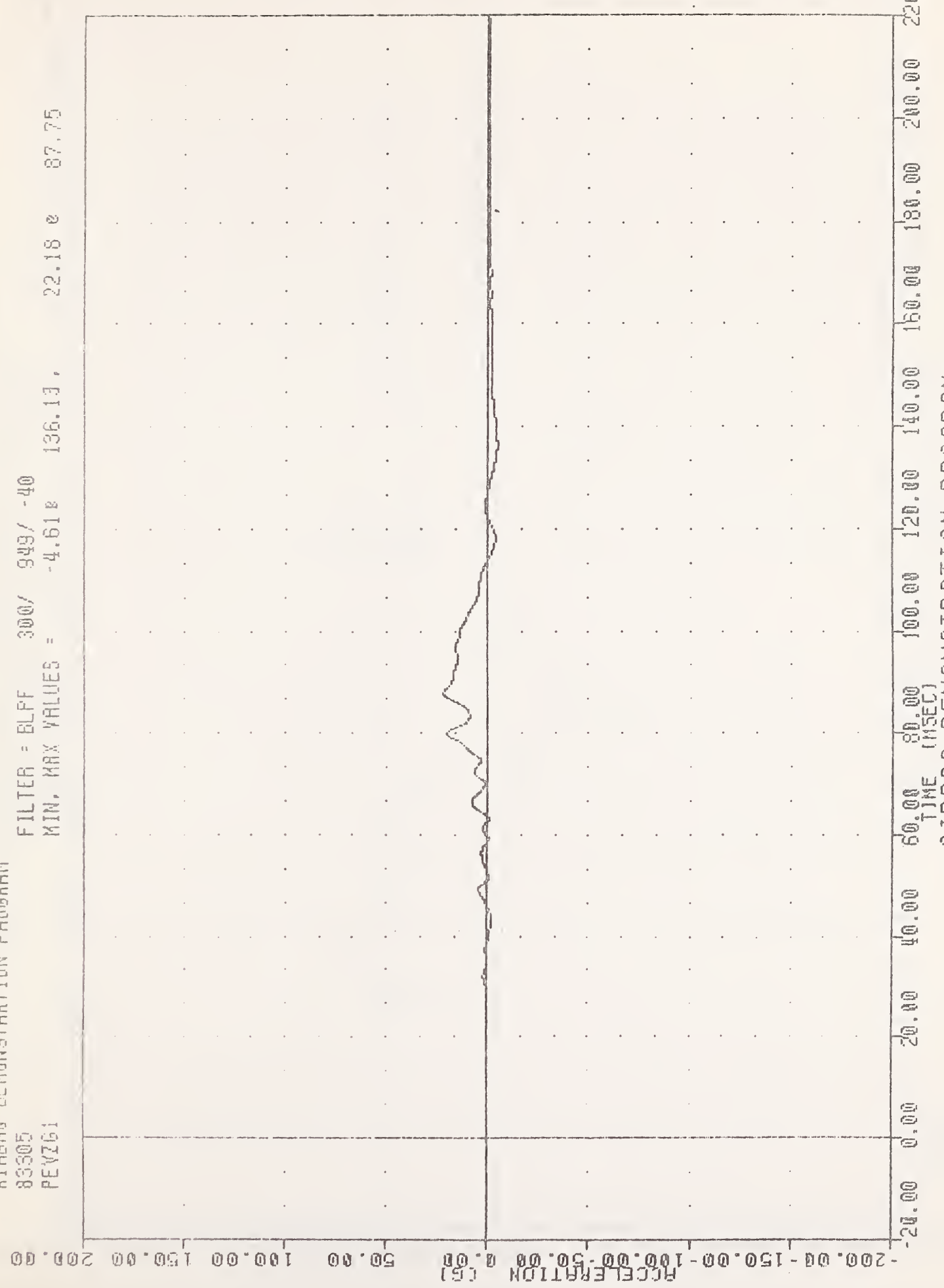


-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00 220.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

YR 11 1, HUBS-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
PEV261

PLOT DATE 1-NOV-83 15:55:54  
FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -4.61E 136.13, 22.18 e 87.75

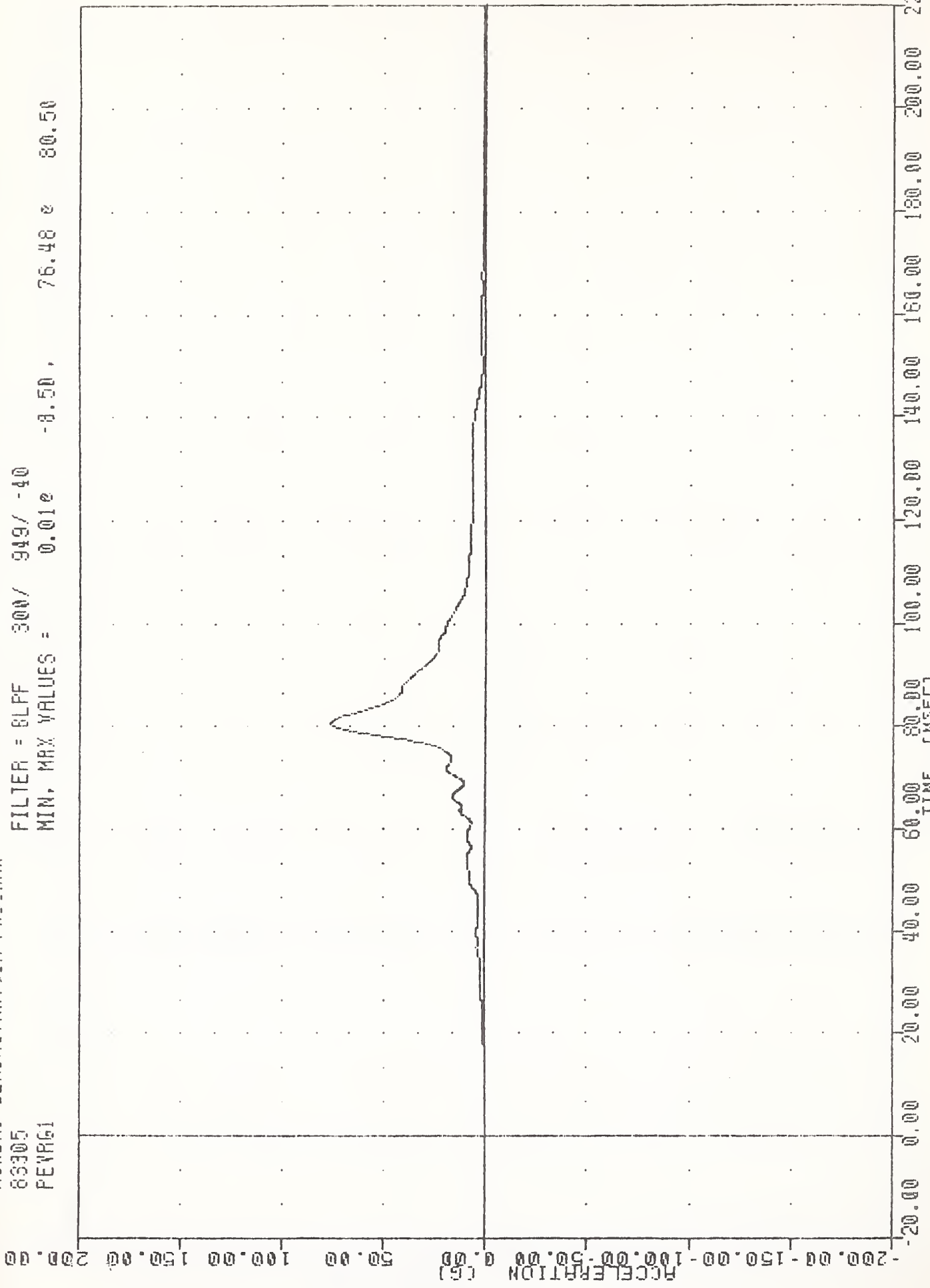


AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

1 VAIL 1, HU583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
PEVR61

PLOT DATE 1-NOV-83 15:55:54

FILTER = 8LPF 300/ 949/ -40  
MIN, MAX VALUES = 0.01e -8.50, 76.48 e 80.50

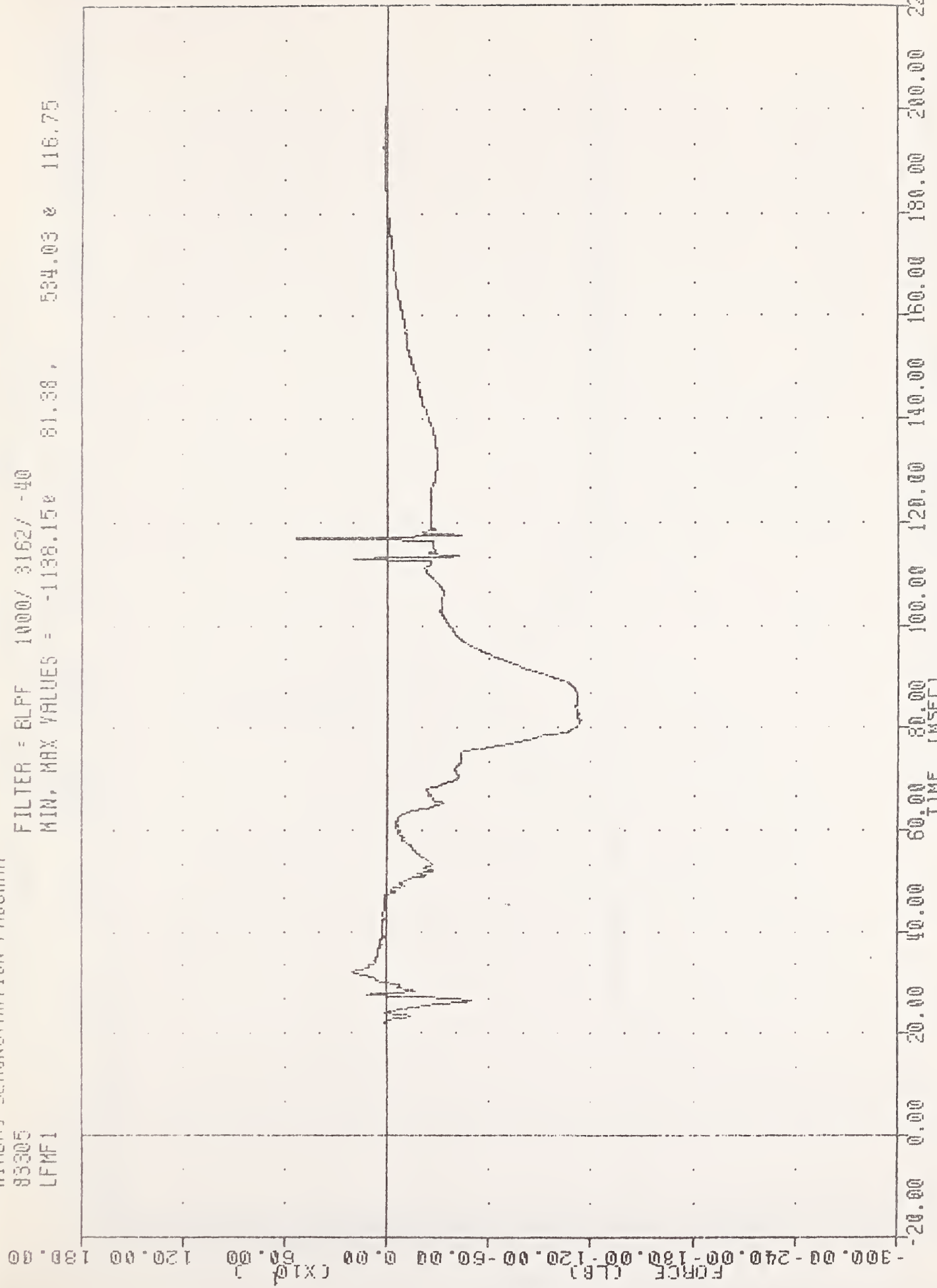


AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

1 VAIL 1 , NOV 83-2-11,  
 AIRBAG DEMONSTRATION PROGRAM  
 83305  
 LFMF1

PLOT DATE 1-NOV-83 15:55:54

FILTER = BLPF 1000/ 3162/ -40  
 MIN. MAX VALUES = -1138.15 81.38, 534.03 & 116.75



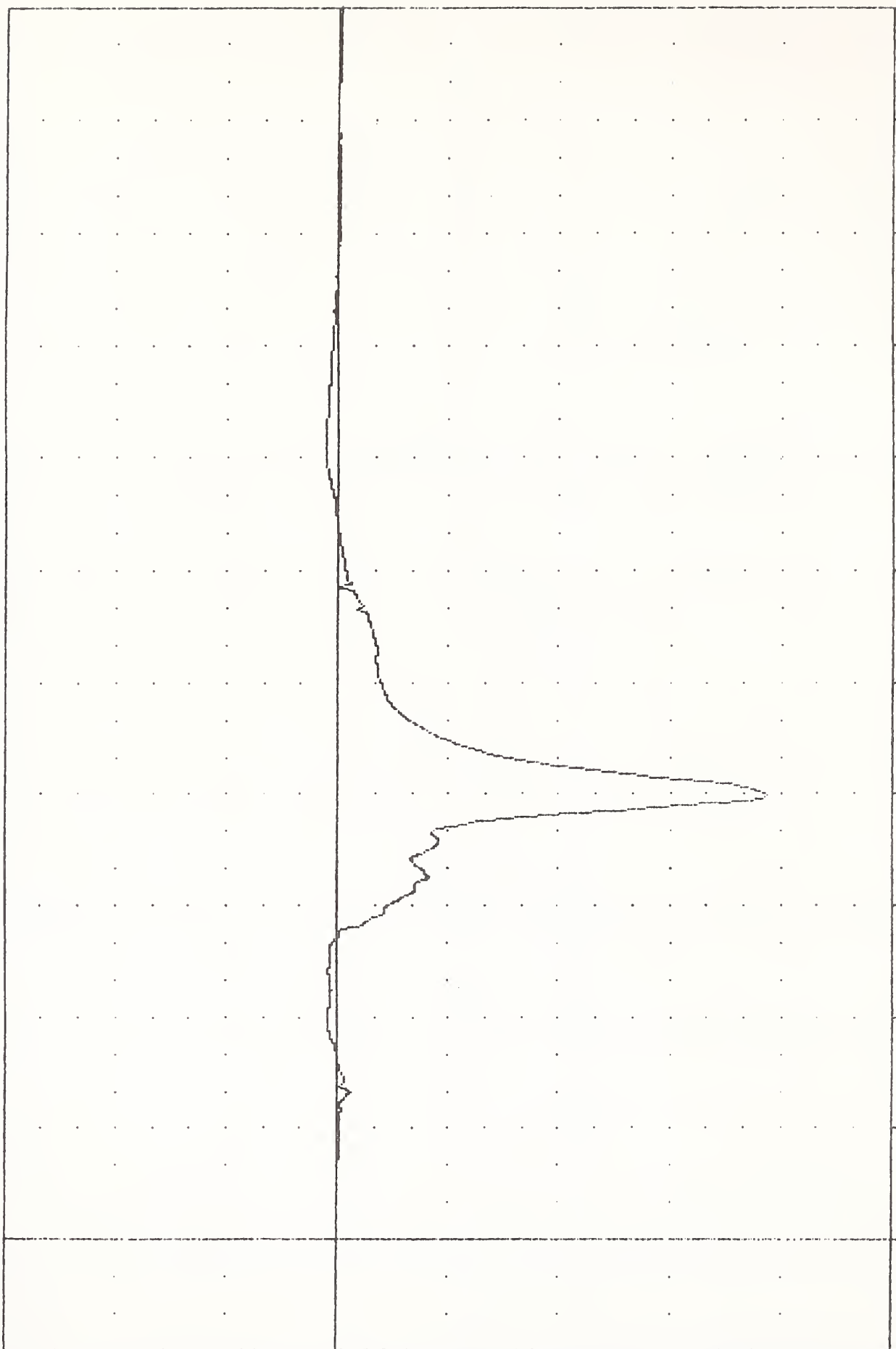
AIRBAG DEMONSTRATION PROGRAM  
 LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

PLOT DATE 1-NOV-83 15:55:54

FILTER = 8LPF 100N/ 3162/ -40  
MIN, MAX VALUES = -2324.24e 79.63, 70.55 e 141.38

Y6101 , HUB83-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
RFNF1

FORCE (LB) (X10<sup>3</sup>)  
-300.00 -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00 240.00 300.00



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

AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

VITE , 80583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
93305  
SLOX6C

PLOT DATE 1-NOV-83 15:55:54

FILTER = BLPF 100/ 316/ -40  
MIN. MAX VALUES = -0.61e 167.58, 19.74 e 60.68



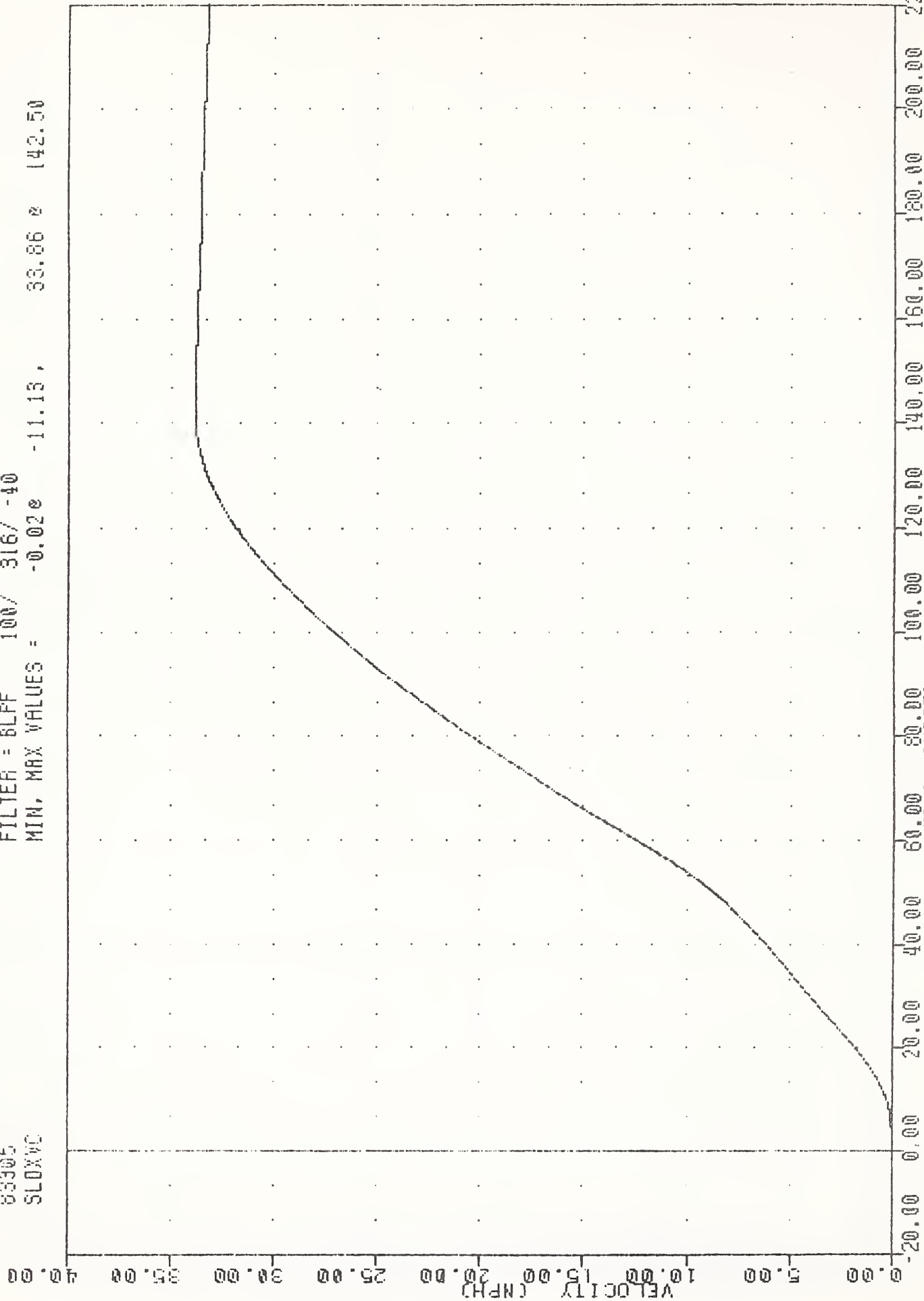
AIRBAG DEMONSTRATION PROGRAM  
SIFN ACCELERATION



VRTC , R0583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
SLOWVC

PLOT DATE 1-NOV-83 15:55:54

FILTER = 6LFF 100/ 316/ -40  
MIN. MAX VALUES = -0.02e -11.13, 33.86 e 142.50

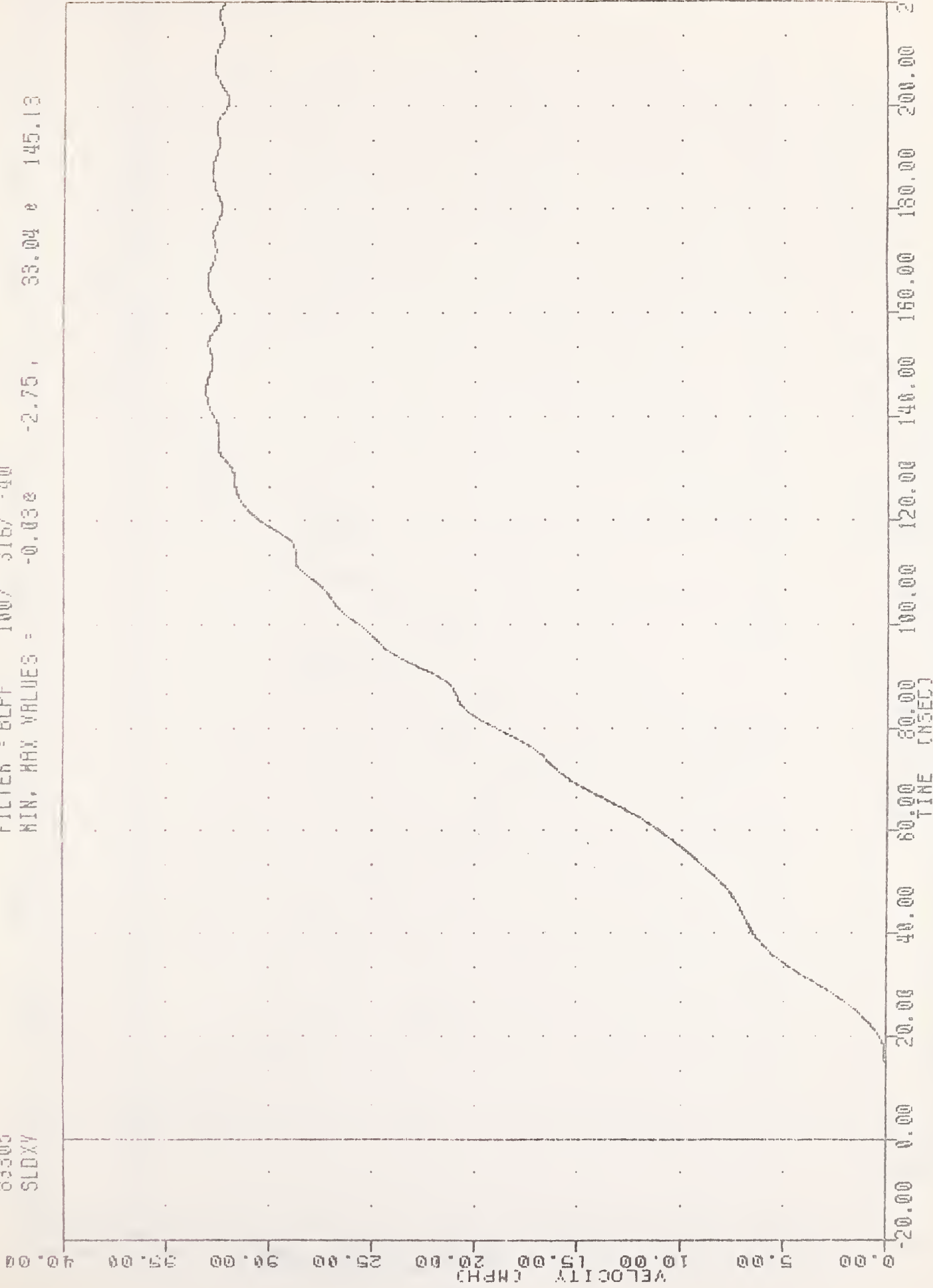


AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SLOW VELOCITY

WATC , R0583-2-17  
AIRBAG DEMONSTRATION PROGRAM  
83305  
SLDXY

PLOT DATE 1-NOV-83 15:55:54

FILTER = BLFF 100/ 316/ -40  
MIN. MAX VALUES = -0.038 -2.75, 33.04 145.13



AIRBAG DEMONSTRATION PROGRAM  
SIFN VFINCTY

WRTC , R0588-2-17 PLOT DATE 1-NOV-63 15:55:54

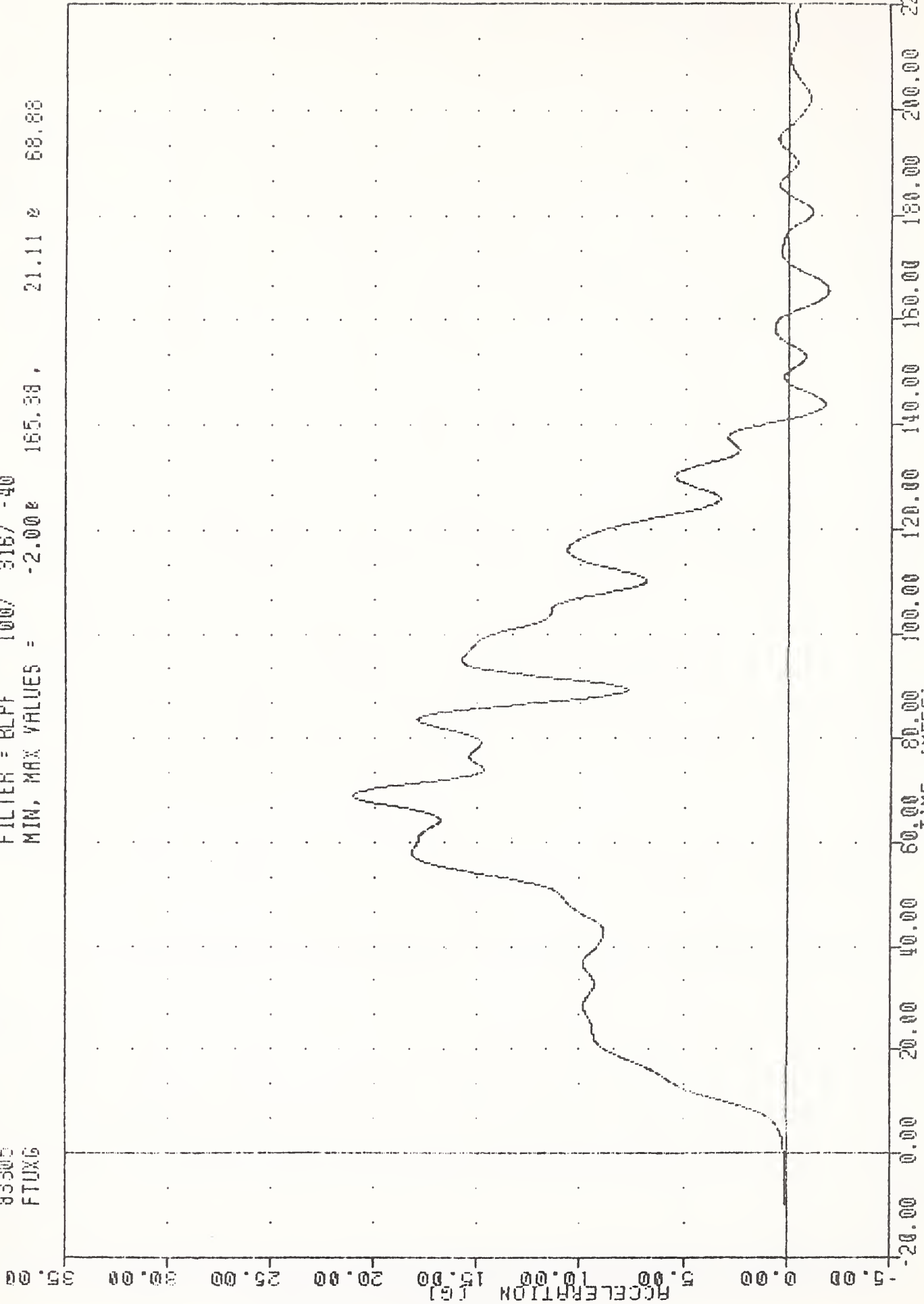
AIRBAG DEMONSTRATION PROGRAM

83505

FTUXG

FILTER = BLFF 100/ 316/ -40

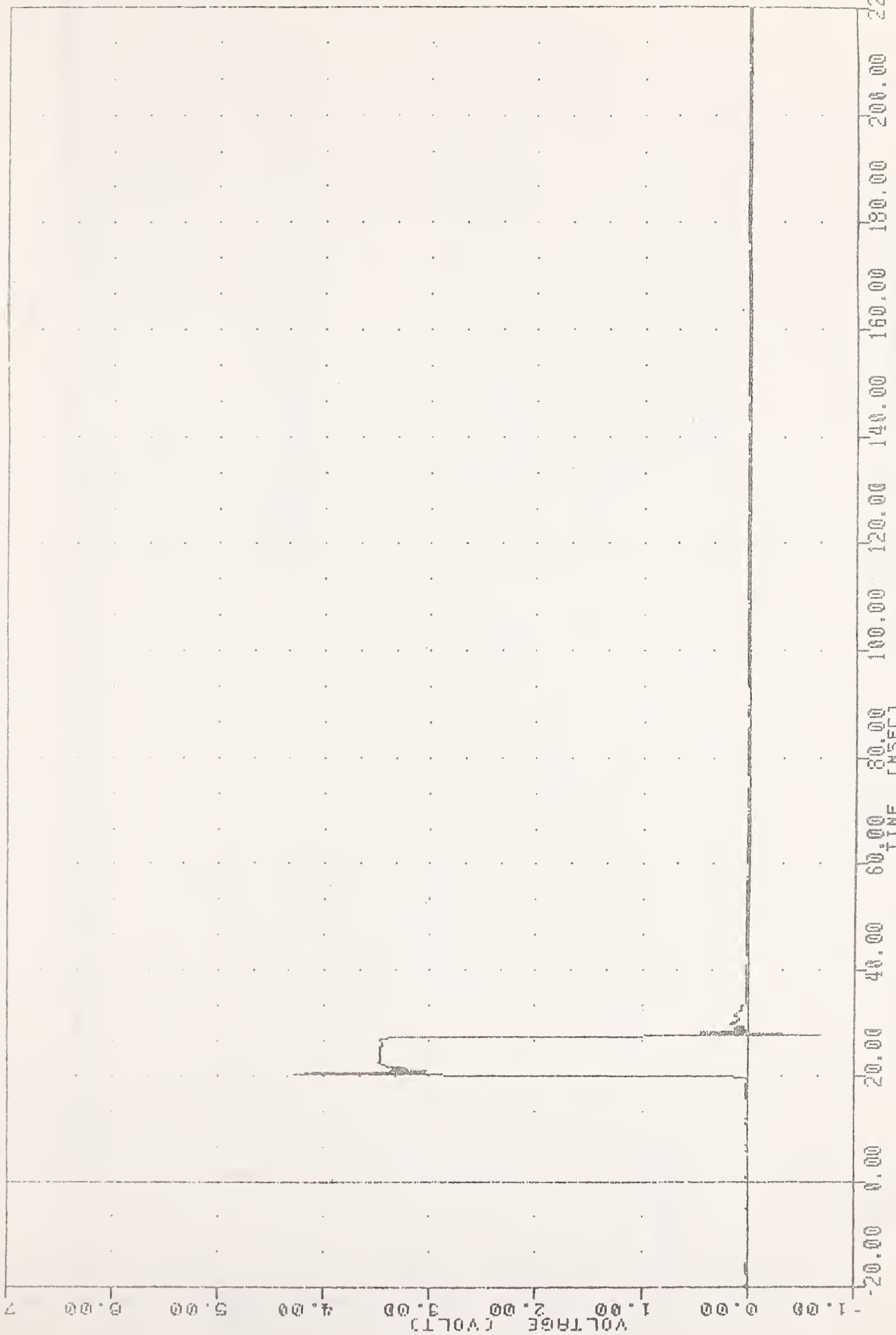
MIN, MAX VALUES = -2.00E 165.38 , 21.11 E 68.88



AIRBAG DEMONSTRATION PROGRAM  
FINNR PAN TIMMFI ACCFI FRATION

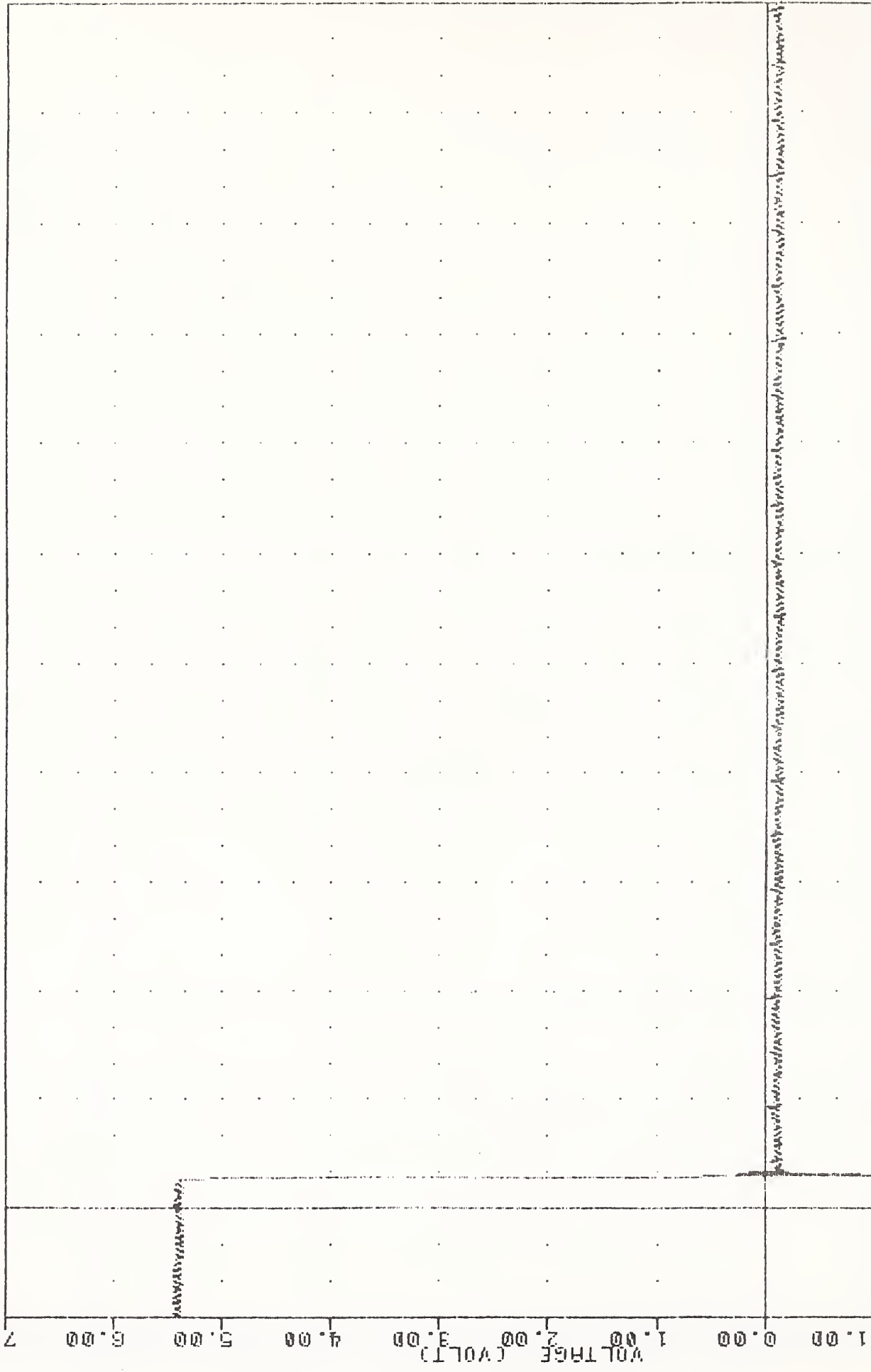
VATIC , R0583-2-17  
 AIRBAG DEMONSTRATION PROGRAM  
 83305  
 ABFT1

PLOT DATE 1-NOV-83 15:55:54  
 FILTER = BLPF 1850/ 5218/ -40  
 MIN. MAX VALUES = -0.698 27.63 4.27 e 20.25



AIRBAG DEMONSTRATION PROGRAM  
 AIR BAG FIRING EVENT 50TH PERCENTILE

VRTC , RD583-2-17  
 AIRBAG DEMONSTRATION PROGRAM  
 83305  
 SPSW  
 FILTER = 8LFF 1650/ 5218/ -40  
 MIN, MAX VALUES = -1.23e 6.00, 5.45 e -11.63



-1.00  
 0.00  
 1.00  
 2.00  
 3.00  
 4.00  
 5.00  
 6.00  
 7.00  
 -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  
 SIFN POSITION SWITCH

	Min value	Max value	Uni
SPSW	-1.214 @ 4.500	5.437 @ -17.000 msec	volt
SLDXGC	-0.615 @ 168.000	19.677 @ 60.250 msec	g
SLDXVC	-0.013 @ -13.000	33.753 @ 141.875 msec	mph
SLDXV	-0.046 @ -3.125	32.961 @ 144.000 msec	mph
FTUXG	-1.768 @ 145.000	22.163 @ 76.250 msec	g
ABFT1	-0.844 @ 26.375	4.148 @ 19.125 msec	volt
HEDXG1	-48.024 @ 115.000	41.383 @ 109.875 msec	g
HEDXV1	-27.458 @ 219.500	0.079 @ 31.250 msec	mph
HEDYG1	-111.560 @ 110.000	2.572 @ 95.500 msec	g
HEDZG1	-84.912 @ 109.250	45.444 @ 115.000 msec	g
CSTXG1	-35.994 @ 102.000	9.115 @ 149.250 msec	g
CSTXV1	-34.050 @ 141.000	0.001 @ -6.250 msec	mph
CSTYG1	-18.476 @ 124.750	2.972 @ 197.500 msec	g
CSTZG1	-25.117 @ 115.375	6.252 @ 89.750 msec	g
PEVXG1	-38.009 @ 87.875	1.572 @ 161.500 msec	g
PEVYG1	-9.117 @ 83.250	3.023 @ 126.875 msec	g
PEVZG1	-8.230 @ 116.625	30.709 @ 87.500 msec	g
CSTXD	-0.012 @ 24.125	0.449 @ 45.500 msec	in
LFMF1	-370.237 @ 24.875	835.286 @ 110.125 msec	lb
RFMF1	-288.774 @ 69.125	135.902 @ 110.125 msec	lb
HEDRG1	0.019 @ -24.500	142.707 @ 109.500 msec	g
CSTRG1	0.003 @ -6.125	37.507 @ 115.750 msec	g
PEVRG1	0.014 @ -14.625	49.589 @ 87.750 msec	g

\*\*\* HIC computation for TRC229I 2-NOV-83 14:22:42

HEDRG1 VRTC RD583-2-18 83306 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 142.71 @ 109.500

HIC = 692.04 Interval from 96.750 [ 975] to 123.375 [1188]

HIC = 592.45 Interval from 105.500 [1045] to 120.500 [1165]

Elapsed time = 14.08 sec

Enter channel [,stop time] -->EXIT

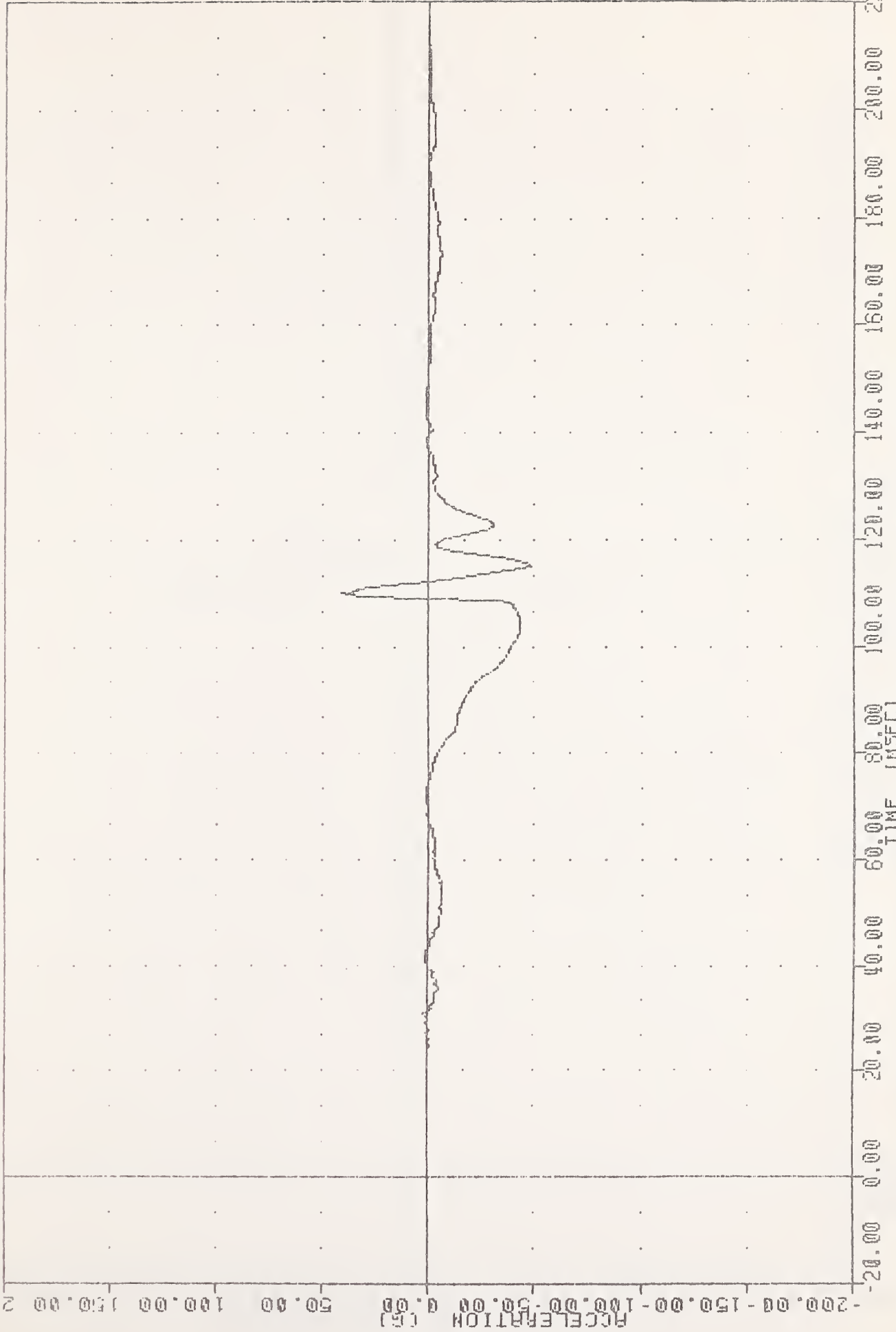
Enter input filespec -->EXIT

\$



VRTC R0583-2-18  
AIRBAG DEMONSTRATION PROGRAM  
83305  
HEDXG1

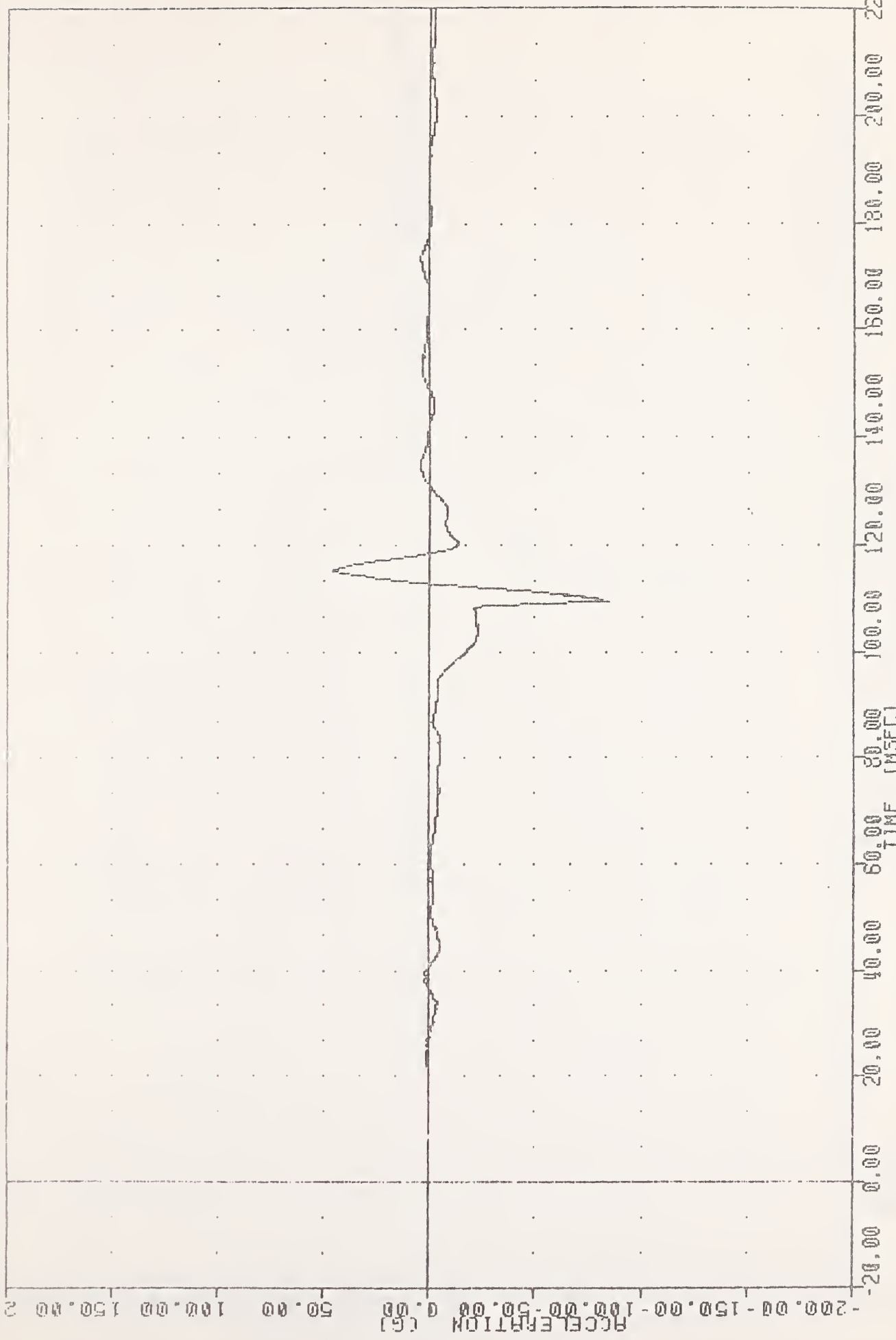
PLOT DATE 2-NOV-83 14:00:24  
FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -48.02e 115.00, 41.38 e 109.88



AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION X AXIS 50TH PERCENTILE



VRTIC 7.18  
 AIRBAG DEMONSTRATION PROGRAM  
 83306  
 HEDZG1  
 PLOT DATE 2-NOV-83 14:00:24  
 FILTER = ALPF 1650/ 5214/ -40  
 MIN. MAX VALUES = -84.91e 109.25, 45.44 e 115.00

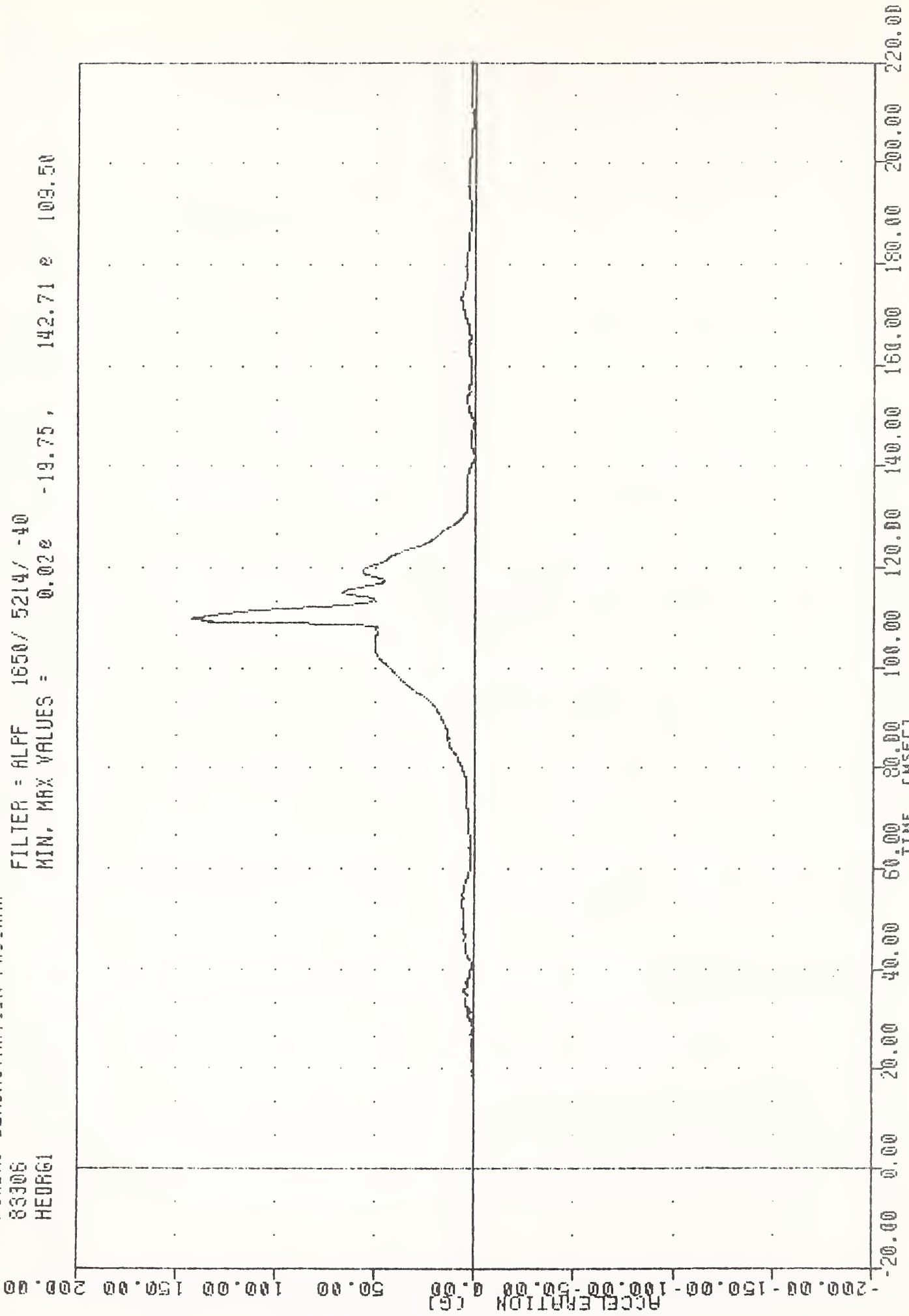


AIRBAG DEMONSTRATION PROGRAM  
 HEAD ACCELERATION Z AXIS 50TH PERCENTILE

VRTC  
AIRBAG DEMONSTRATION PROGRAM  
83306  
HEAD61

PLOT DATE 2-NOV-83 14:00:24

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = 0.02e -19.75, 142.71 e 109.50

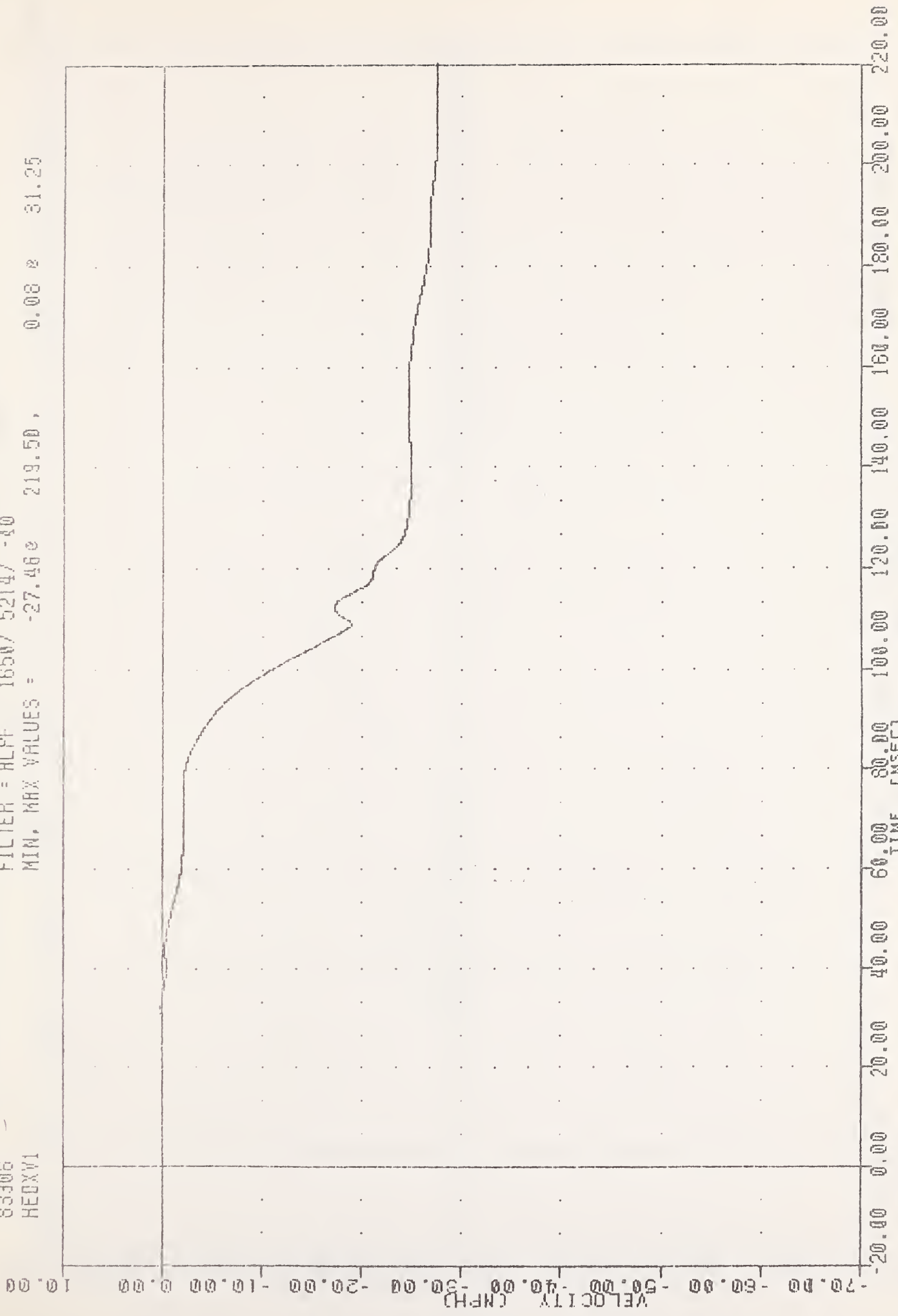


AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

VRIC 83306  
AIRBAG DEMONSTRATION PROGRAM  
HECXV1

PLOT DATE 2-NOV-83 14:00:24

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -27.46e 219.50 , 0.08 e 31.25

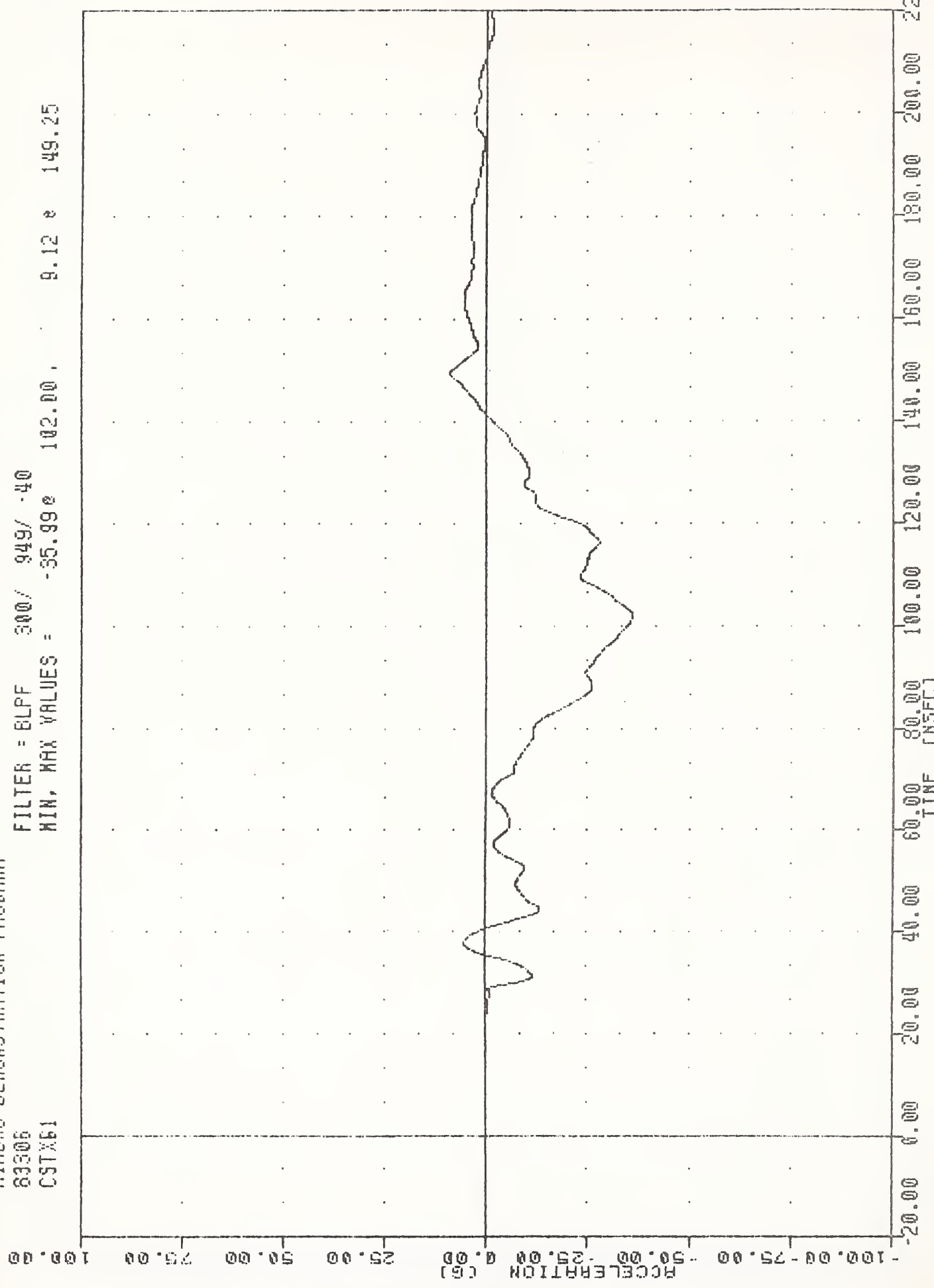


AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS 50TH PERCENTILE

WATC  
AIRBAG DEMONSTRATION PROGRAM  
63306  
CSTX61

PLOT DATE 2-NOV-68 14:00:24

FILTER = 6LFF 300/ 949/ -40  
MIN, MAX VALUES = -35.99e 102.00, 8.12 e 149.25



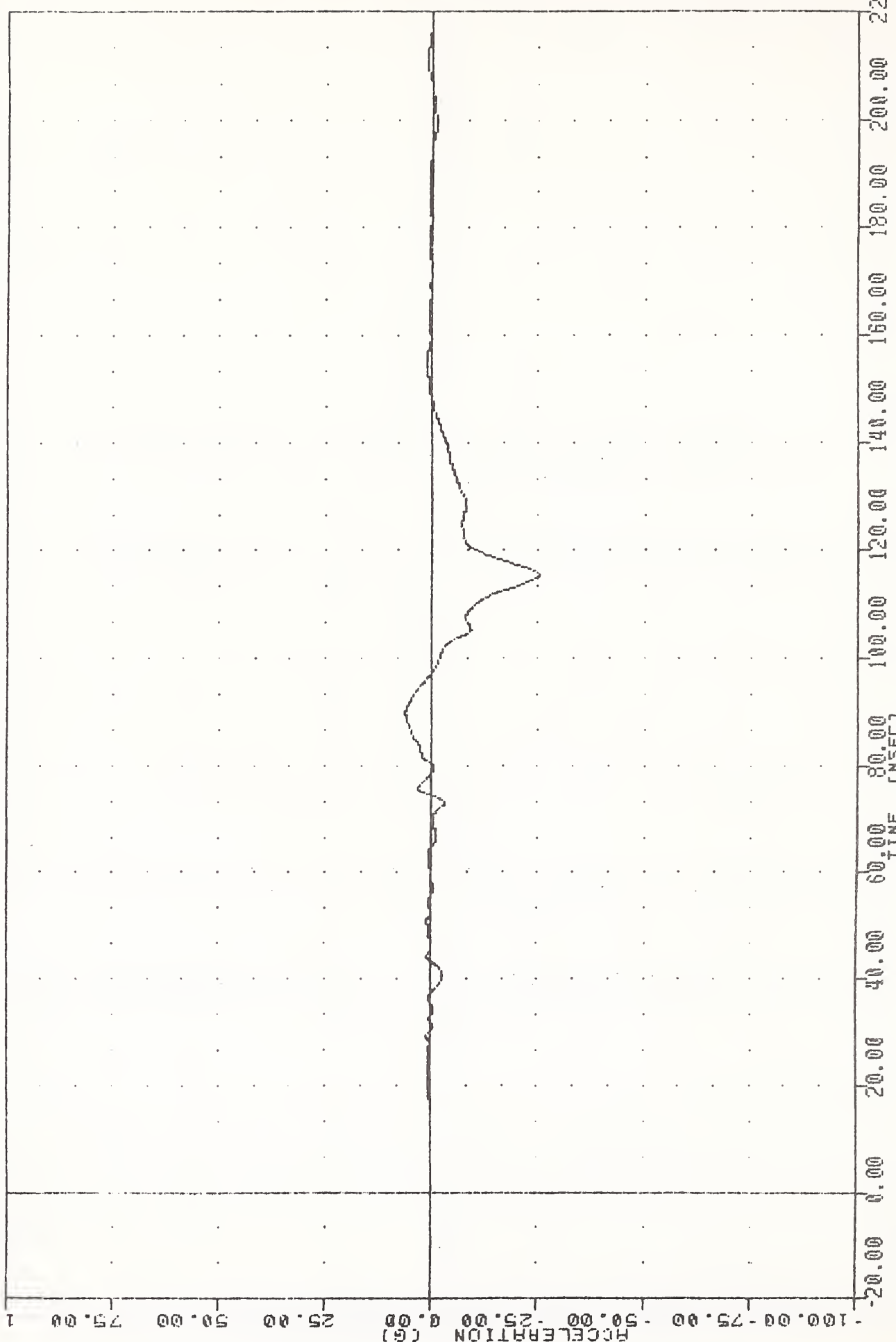
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 50TH PERCENTILE





VRIC 1, AUG83-2-16  
AIRBAG DEMONSTRATION PROGRAM  
83306  
CSTZ61

PLOT DATE 2-NOV-83 14:00:24  
FILTER = BLFF 300/ 949/ -40  
MIN. MAX VALUES = -25.12e 115.36e 6.25e 89.75

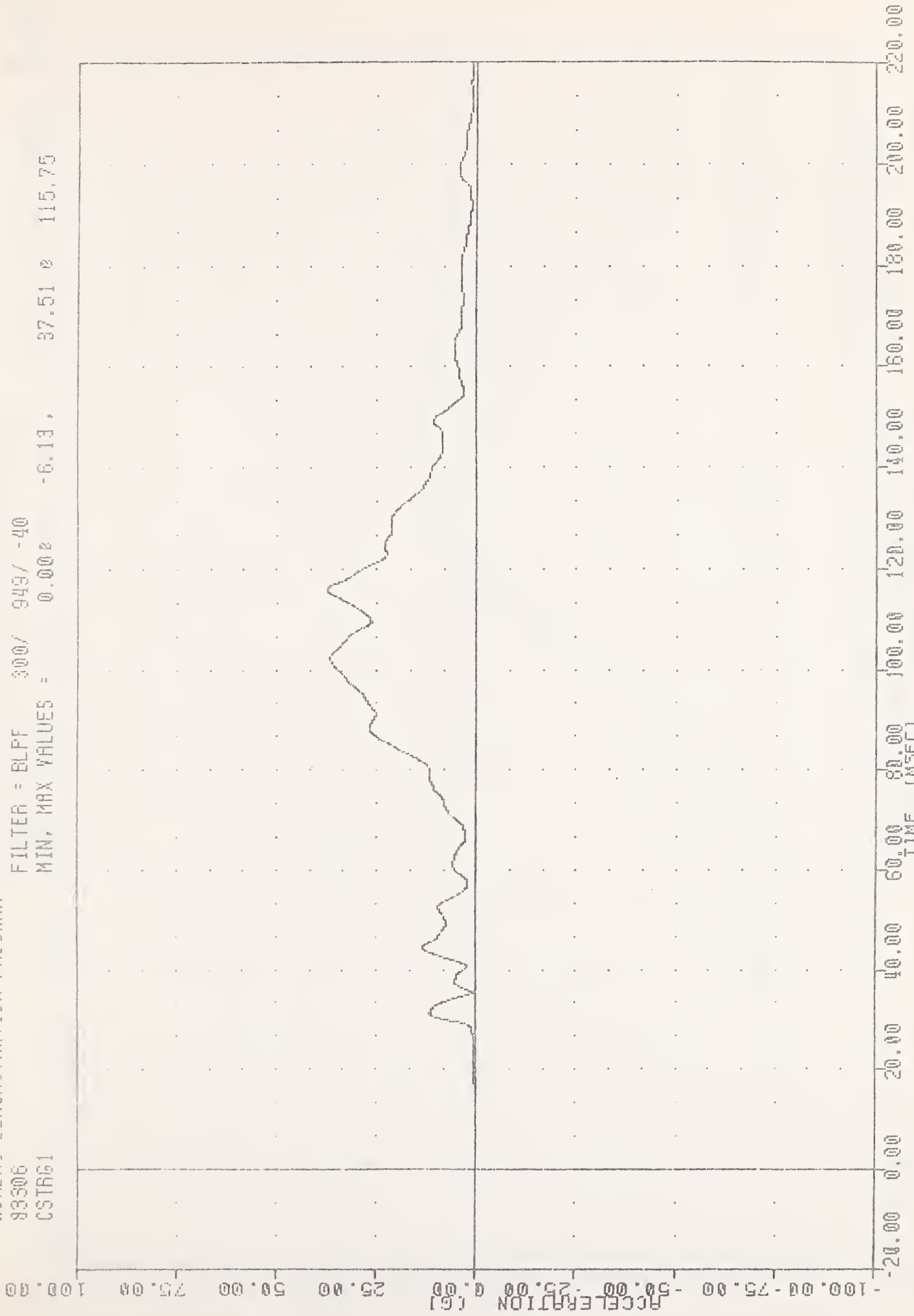


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

VRTC , R0583-2-18  
AIRBAG DEMONSTRATION PROGRAM  
93306  
CSTR61

PLOT DATE 2-NOV-83 14:00:24

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = 0.000 -6.13, 37.51 115.75

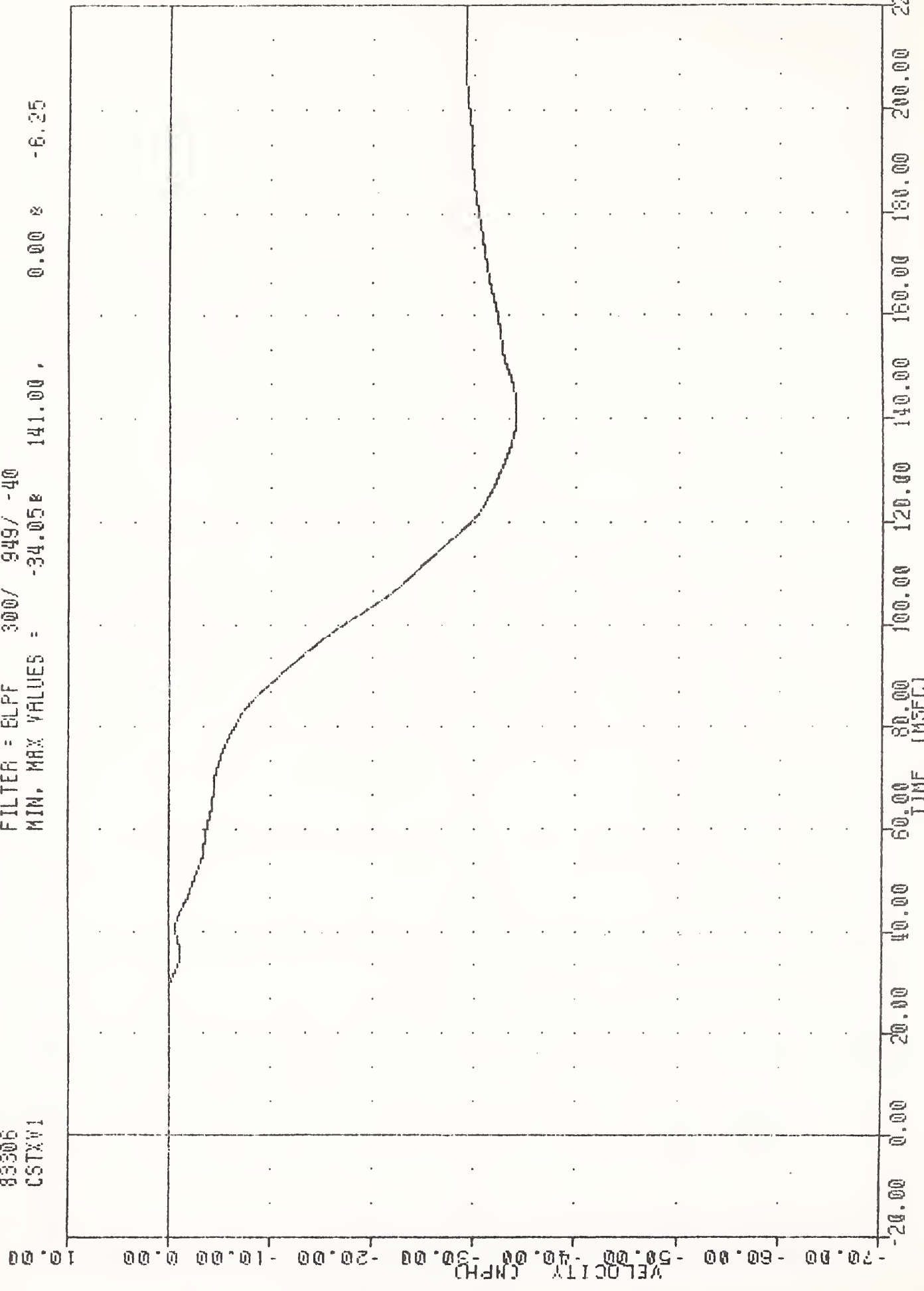


AIRBAG DEMONSTRATION PROGRAM  
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

VRTC , R0583-2-18  
AIRBAG DEMONSTRATION PROGRAM  
83306  
CSTXV1

PLOT DATE 2-NOV-88 14:00:24

FILTER = ELPF 300/ 949/ -40  
MIN, MAX VALUES = -34.05% 141.00, 0.00 % -6.25

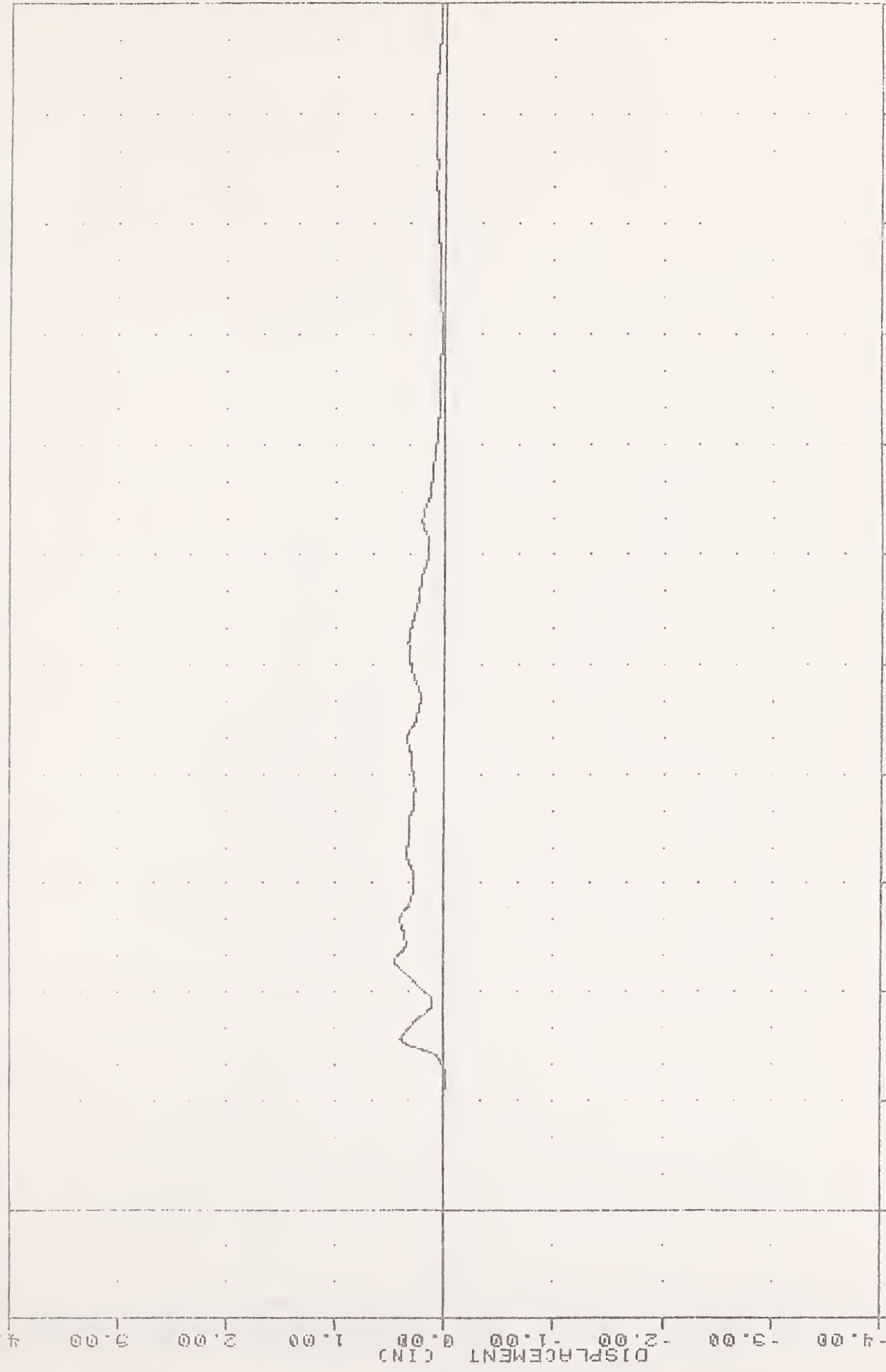


AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY X AXIS 50TH PERCENTILE

YATC  
AIRBAG DEMONSTRATION PROGRAM  
83506  
CSTX0

PLOT DATE 2-NOV-83 14:00:24

FILTER = 8LPF 300/ 949/ -40  
MIN, MAX VALUES = -0.01e 24.13, 0.45 e 45.50

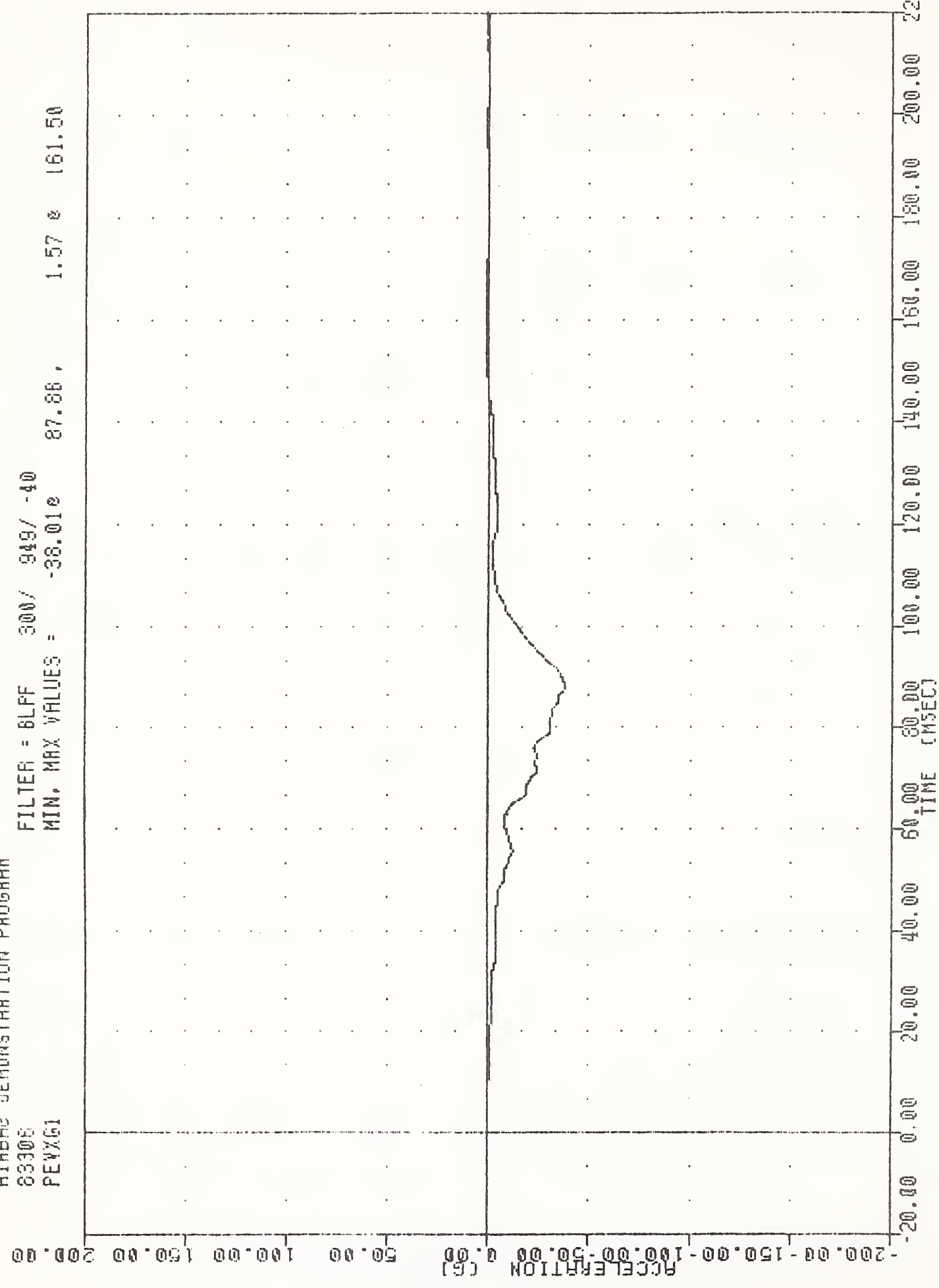


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (MSEC)  
AIRBAG DEMONSTRATION PROGRAM  
CHEST DISPLACEMENT 50TH PERCENTILE

VRTC , R0583-2-18  
 AIRBAG DEMONSTRATION PROGRAM  
 83308  
 PEVXG1

PLOT DATE 2-NOV-83 14:00:24

FILTER = 6LFF 300/ 949/ -40  
 MIN. MAX VALUES = -38.01e 87.88, 1.57 e 161.50

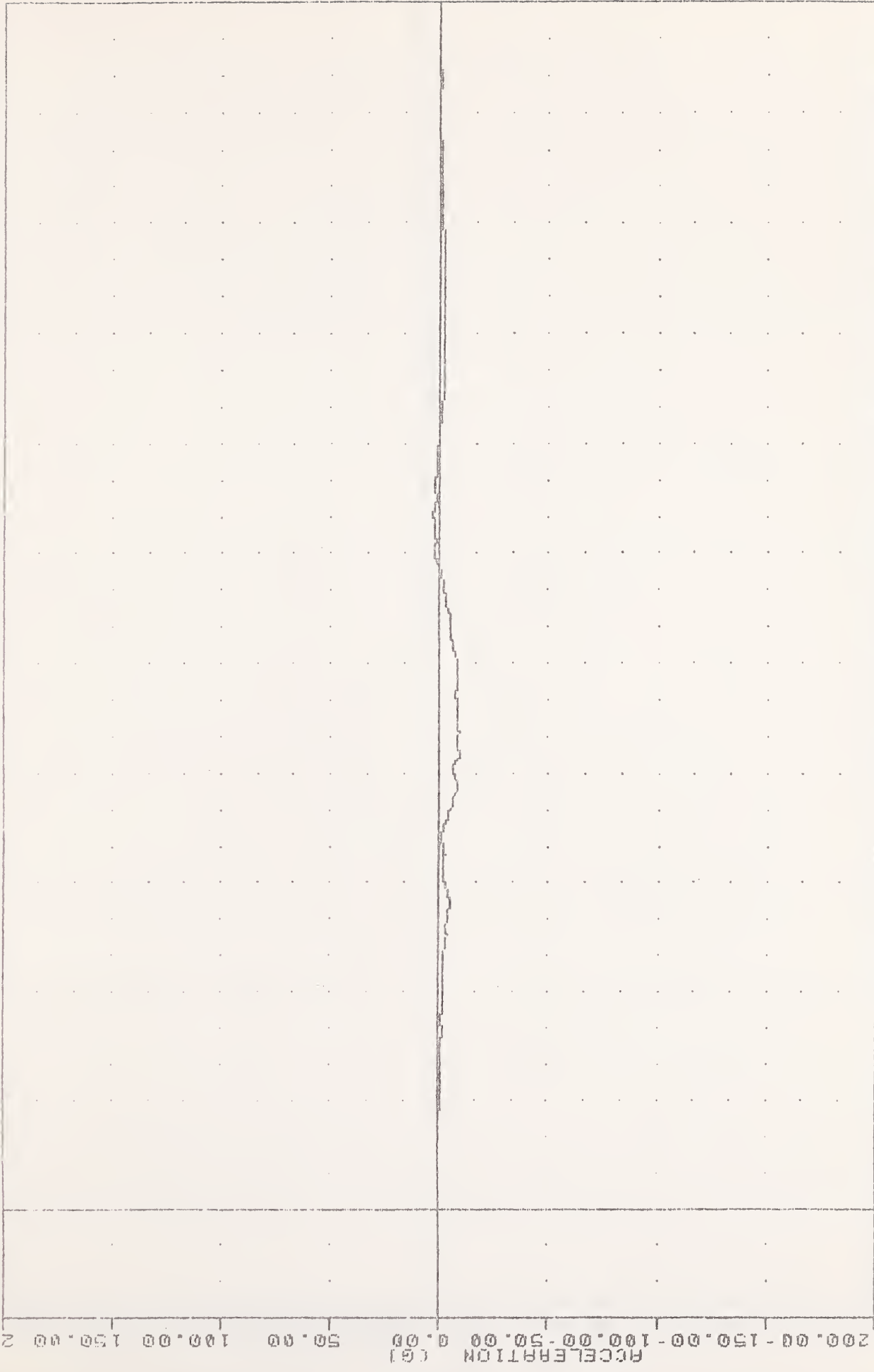


AIRBAG DEMONSTRATION PROGRAM  
 PELVIS ACCELERATION X AXIS 50TH PERCENTILE

WATE , R0583-2-18  
AIRBAG DEMONSTRATION PROGRAM  
83306  
PEVY61

PLOT DATE 2-NOV-83 14:00:24

FILTER = BLPF 300/ 949/ .40  
MIN, MAX VALUES = 83.25, 3.02 126.88



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

AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

VRTC , R0583-2-18 PLOT DATE 2-NOV-83 14:00:24

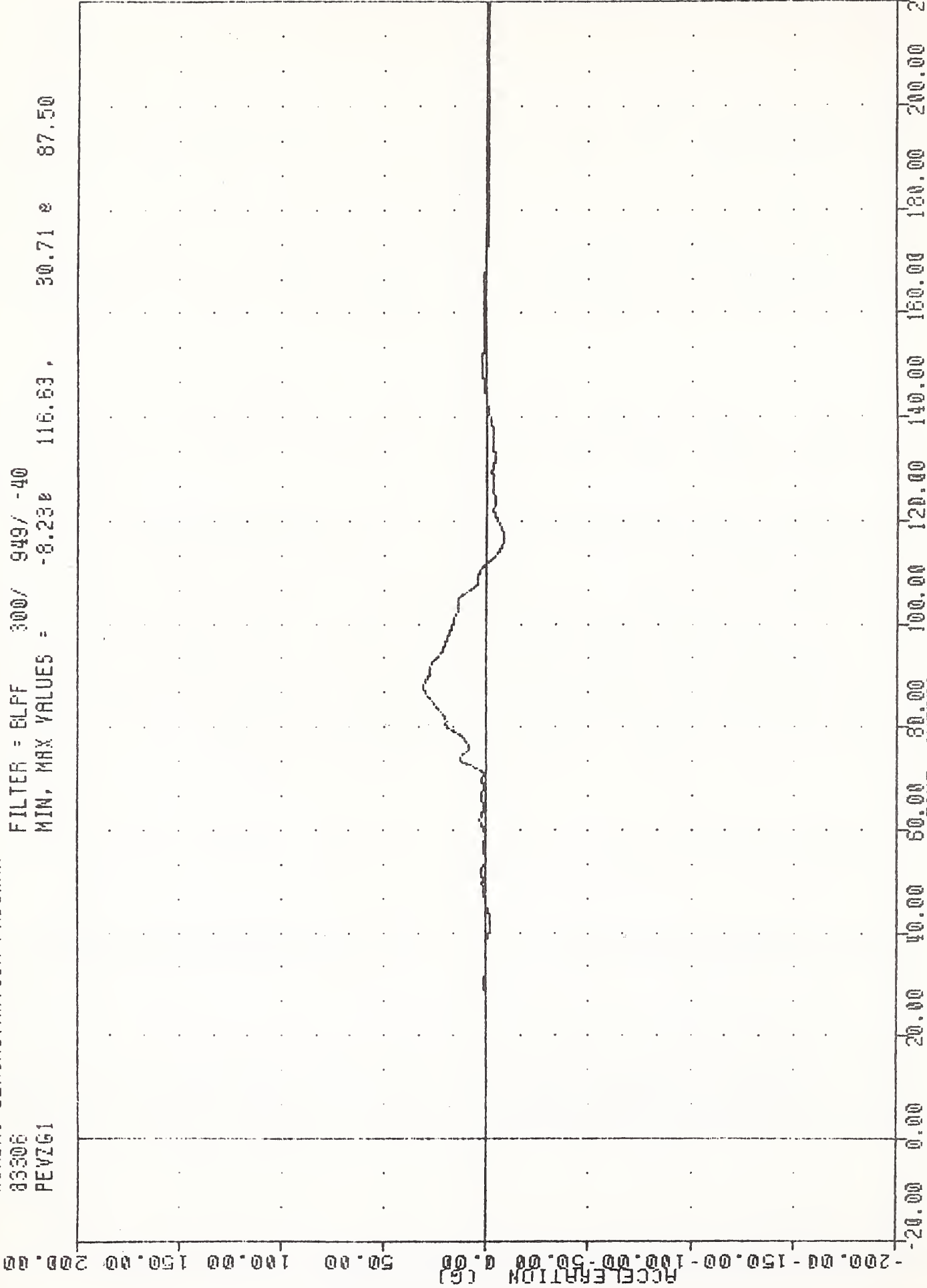
AIRBAG DEMONSTRATION PROGRAM

85305

PEVZG1

FILTER = 6LFF 300/ 949/ -40

MIN, MAX VALUES = -8.23e 116.63, 30.71 e 87.50

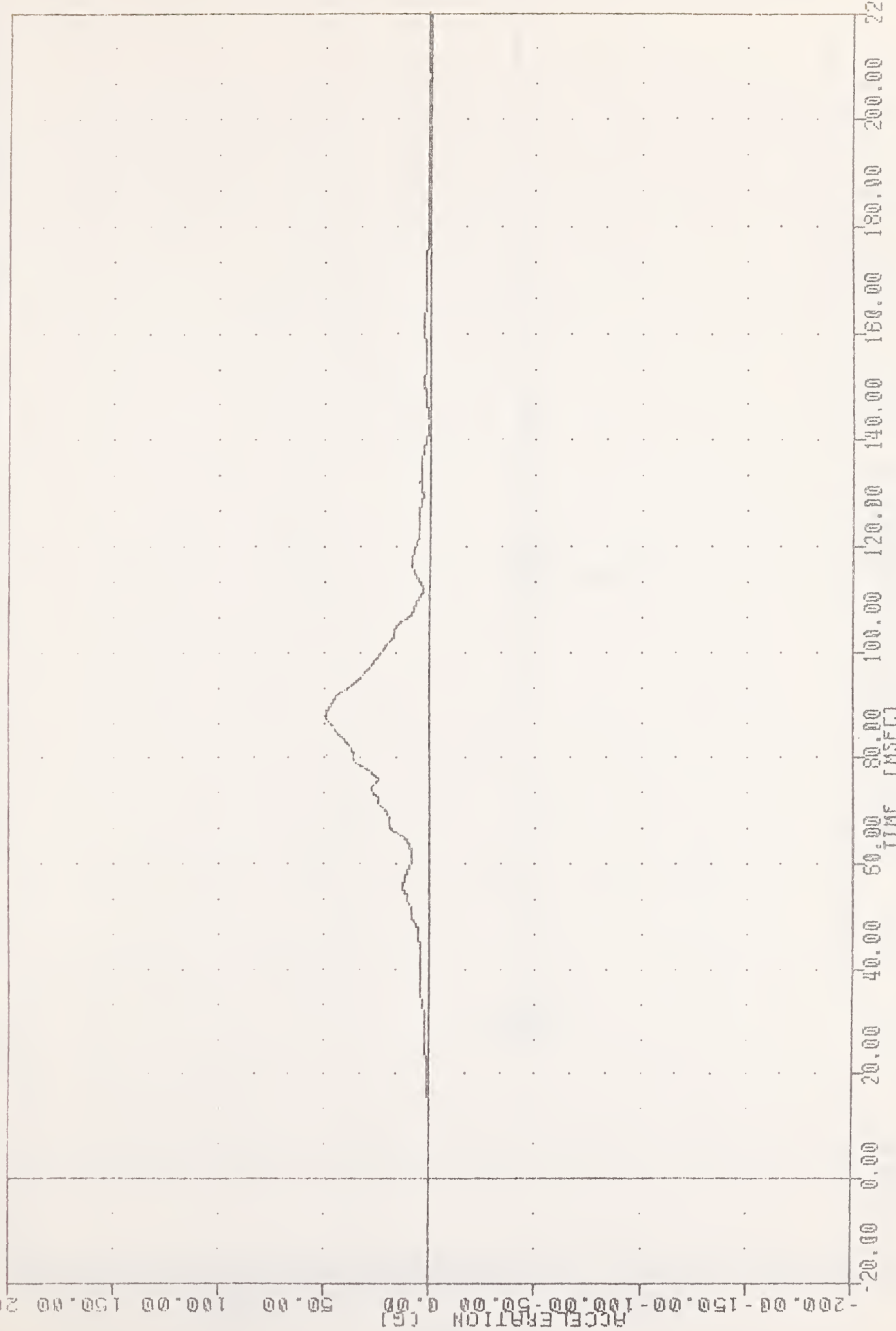


AIRBAG DEMONSTRATION PROGRAM

PELVIS ACCELERATION Z AXIS 50TH PERCENTILE



VRTC , 80583-2-13  
AIRBAG DEMONSTRATION PROGRAM  
83306  
PEYRG1  
FLOT DATE 2-NOV-83 14:00:24  
FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = 0.01e -14.63 , 49.59 e 67.75



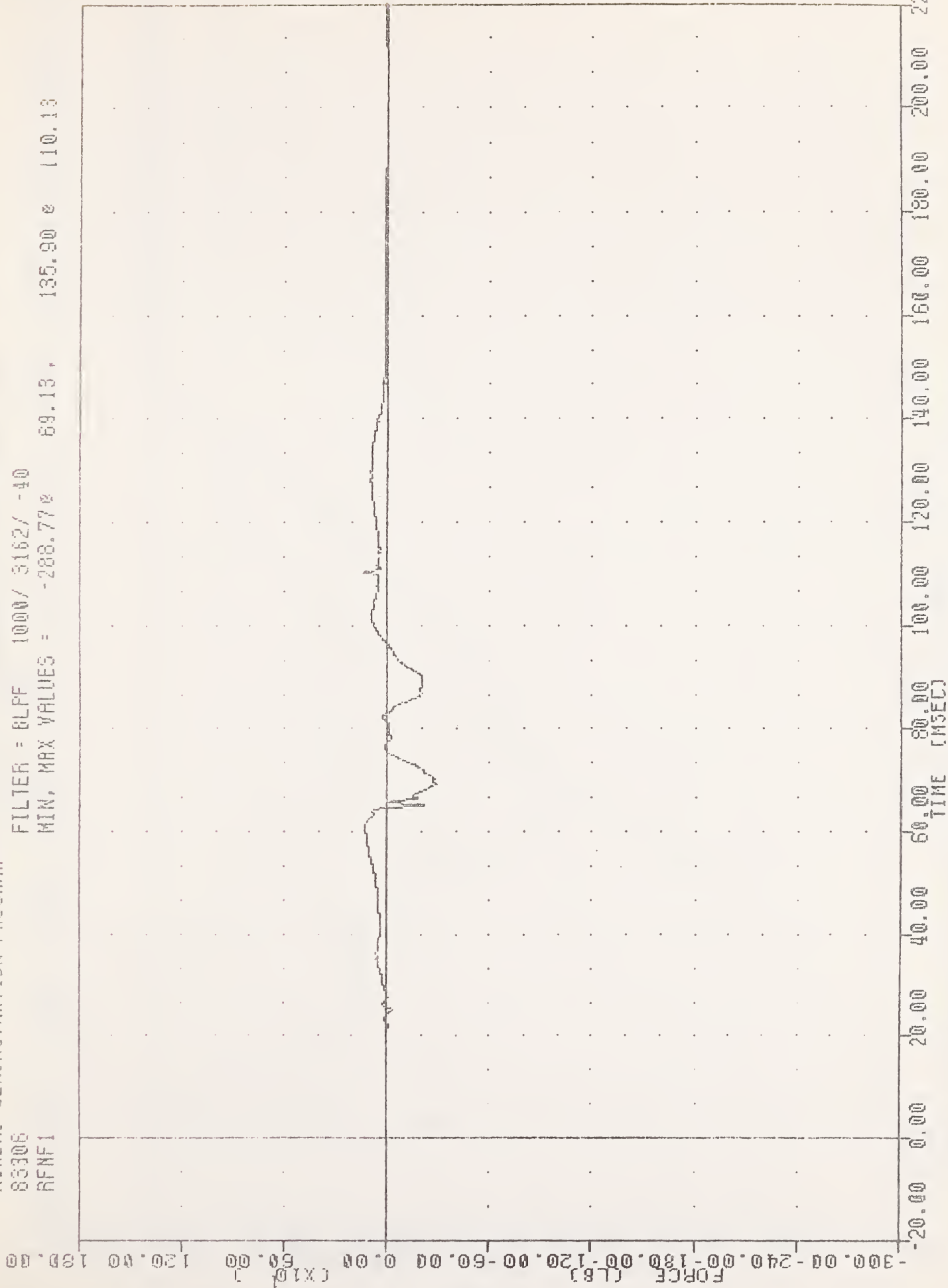
AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE



WRIC . R0583-2-18  
AIRBAG DEMONSTRATION PROGRAM  
83306  
RFNF1

PLOT DATE 2-NOV-83 14:00:24

FILTER = BLPF 100N/ 3162/ -40  
MIN, MAX VALUES = -288.77% 69.13, 135.90 e 110.13

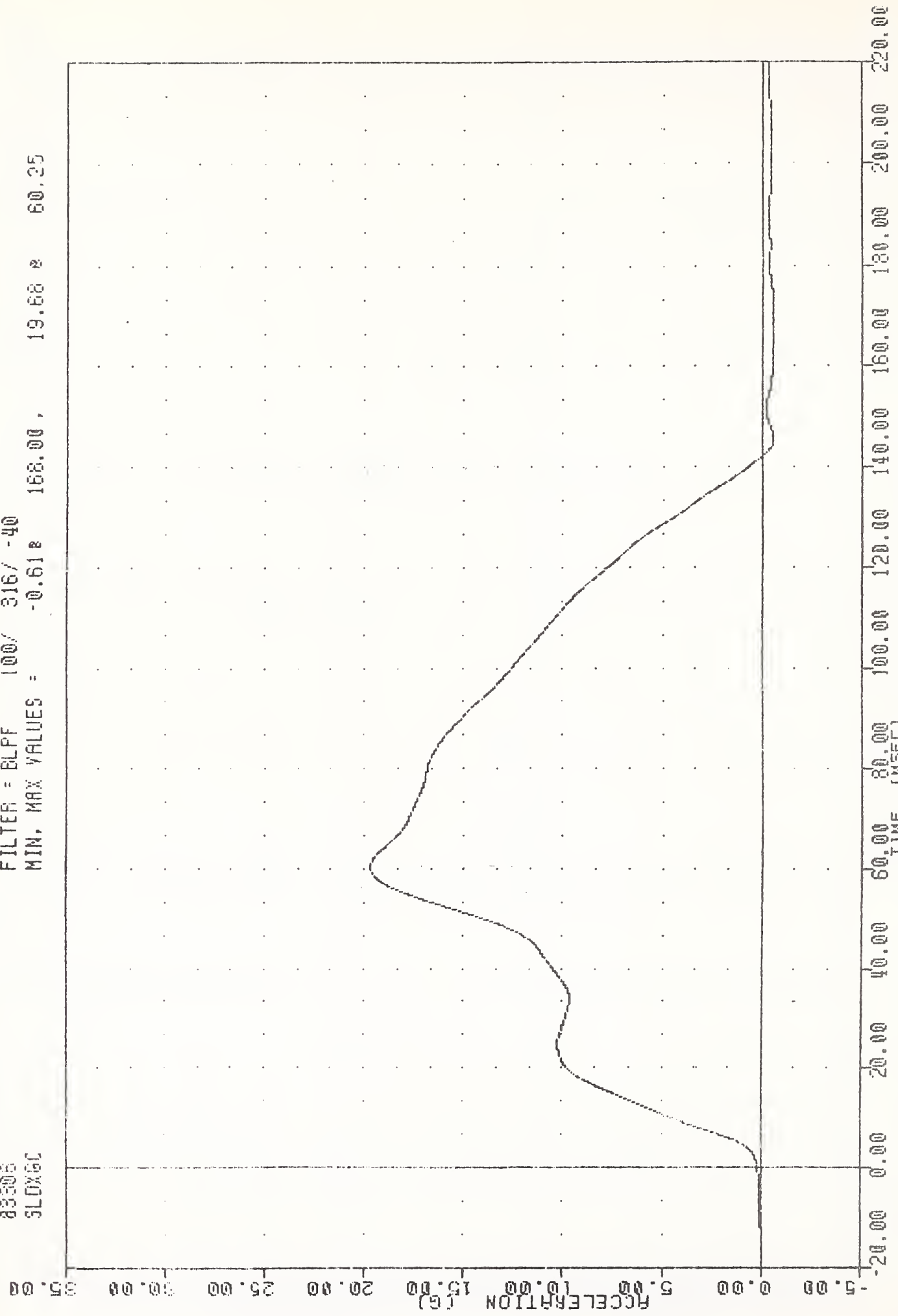


AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN LBS 5MTH PERCENTILE

VRTC , R0583-2-18  
AIRBAG DEMONSTRATION PROGRAM  
83306  
SLOX6C

PLOT DATE 2-NOV-83 14:00:24

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.61e 168.00, 19.68e 60.25

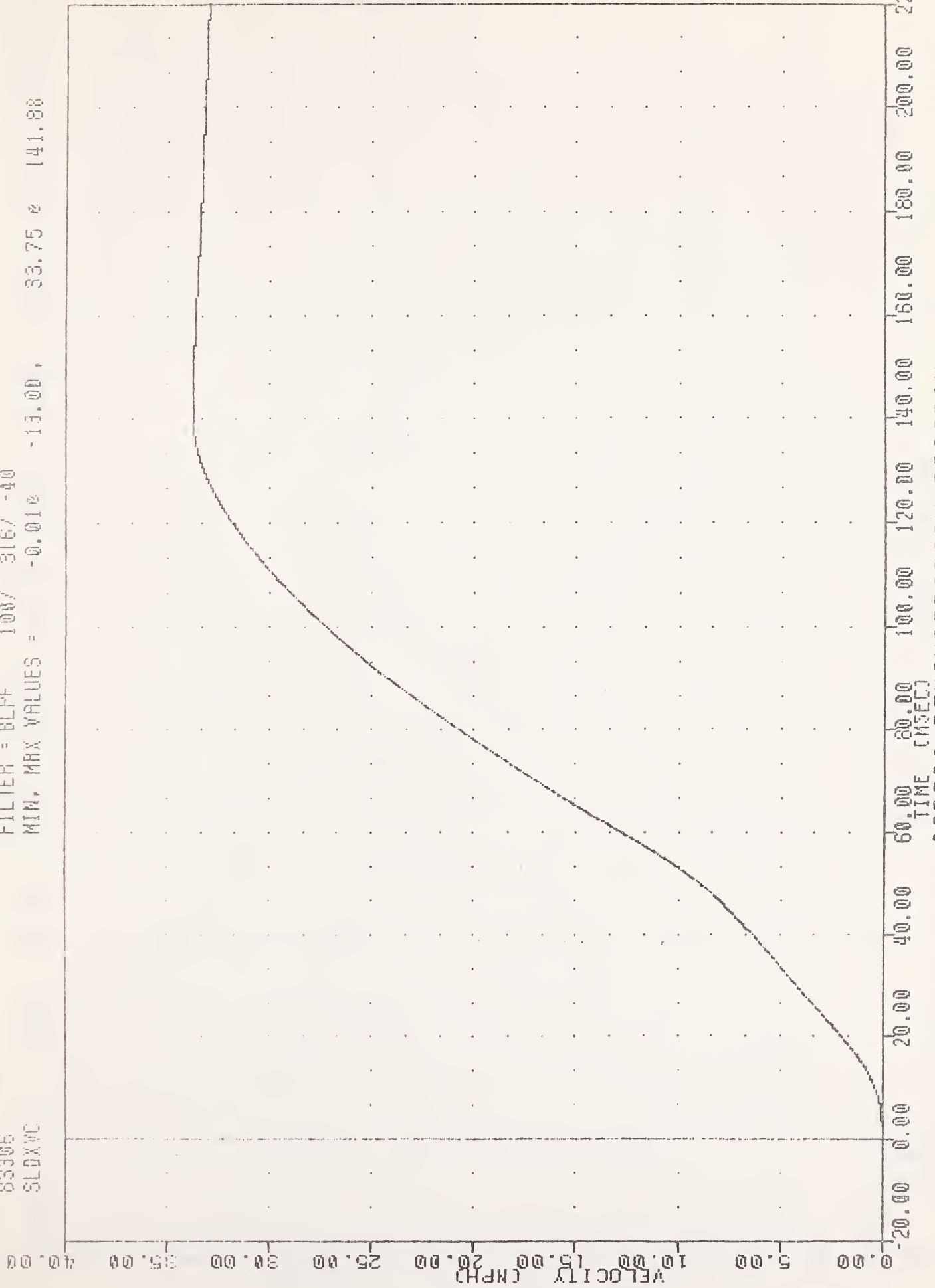


AIRBAG DEMONSTRATION PROGRAM  
SLOX6C ACCELERATION

VRTC , RD503-2-18  
AIRBAG DEMONSTRATION PROGRAM  
83305  
SLDXVC

PLOT DATE 2-NOV-83 14:00:24

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.012 -13.00, 33.75 e 141.88

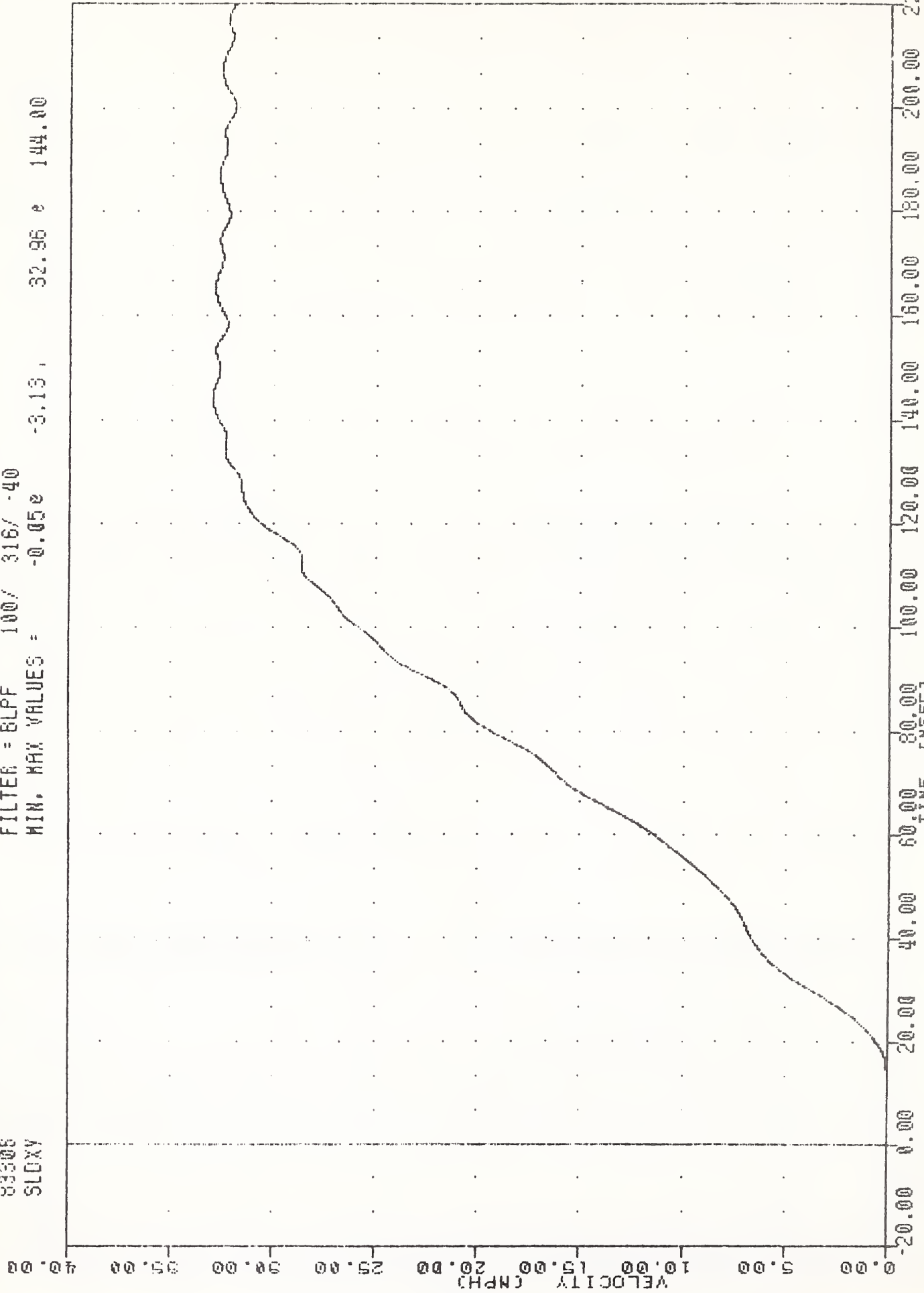


AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SIFD VELOCITY

YRTC , R0583-2-18  
AIRBAG DEMONSTRATION PROGRAM  
83308  
SLOXY

PLOT DATE 2-NOV-83 14:00:24

FILTER = BLPF 100/ 316/ -40  
MIN. MAX VALUES = -0.05e -3.13, 32.96 e 144.00

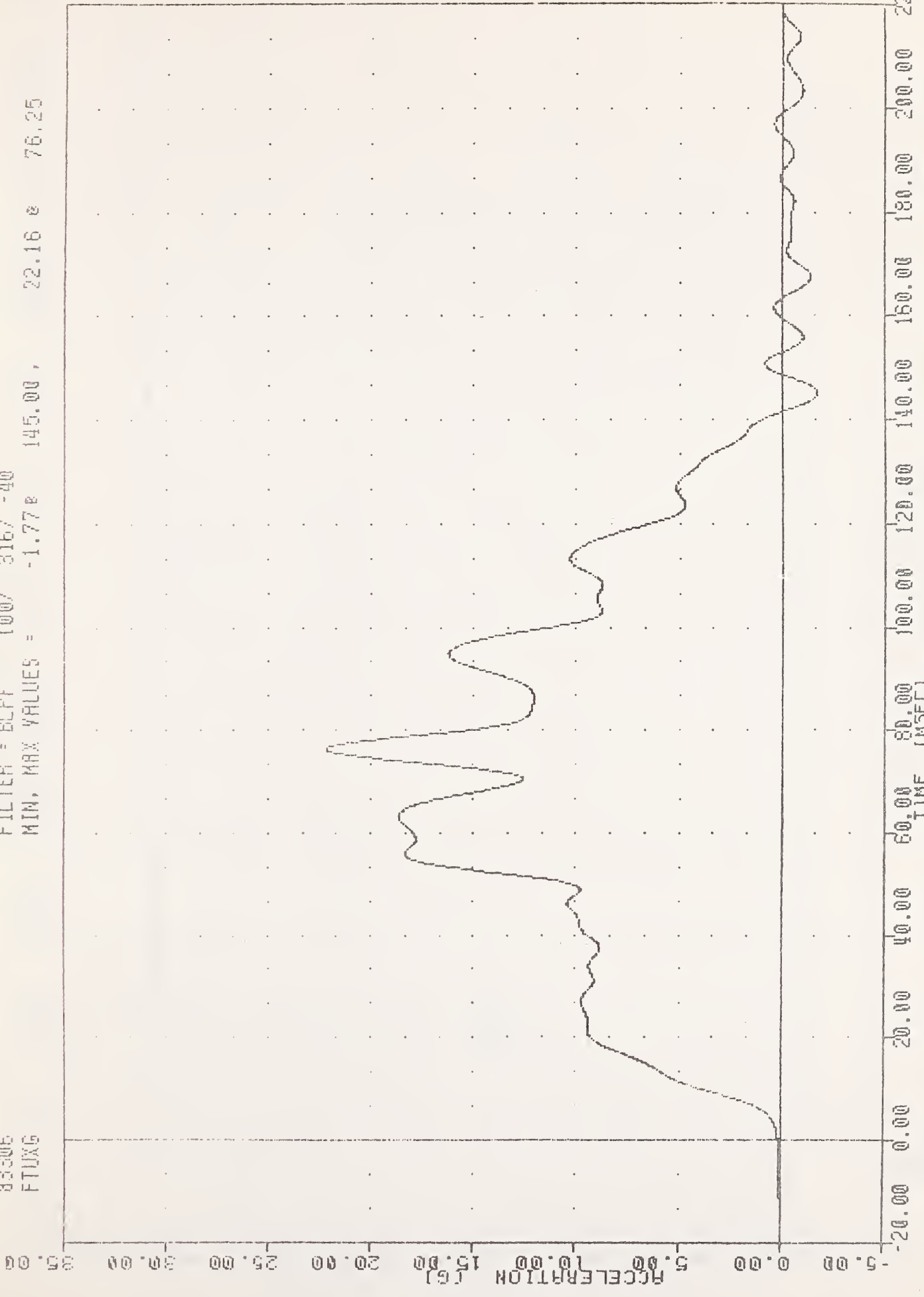


AIRBAG DEMONSTRATION PROGRAM  
SLED VELOCITY

VBTC , R0583-2-18  
 AIRBAG DEMONSTRATION PROGRAM  
 83606  
 FTUXG

PLOT DATE 2-NOV-83 14:00:24

FILTER = BLPF 100/ 316/ -40  
 MIN, MAX VALUES = -1.77e 145.00, 22.16 e 76.25



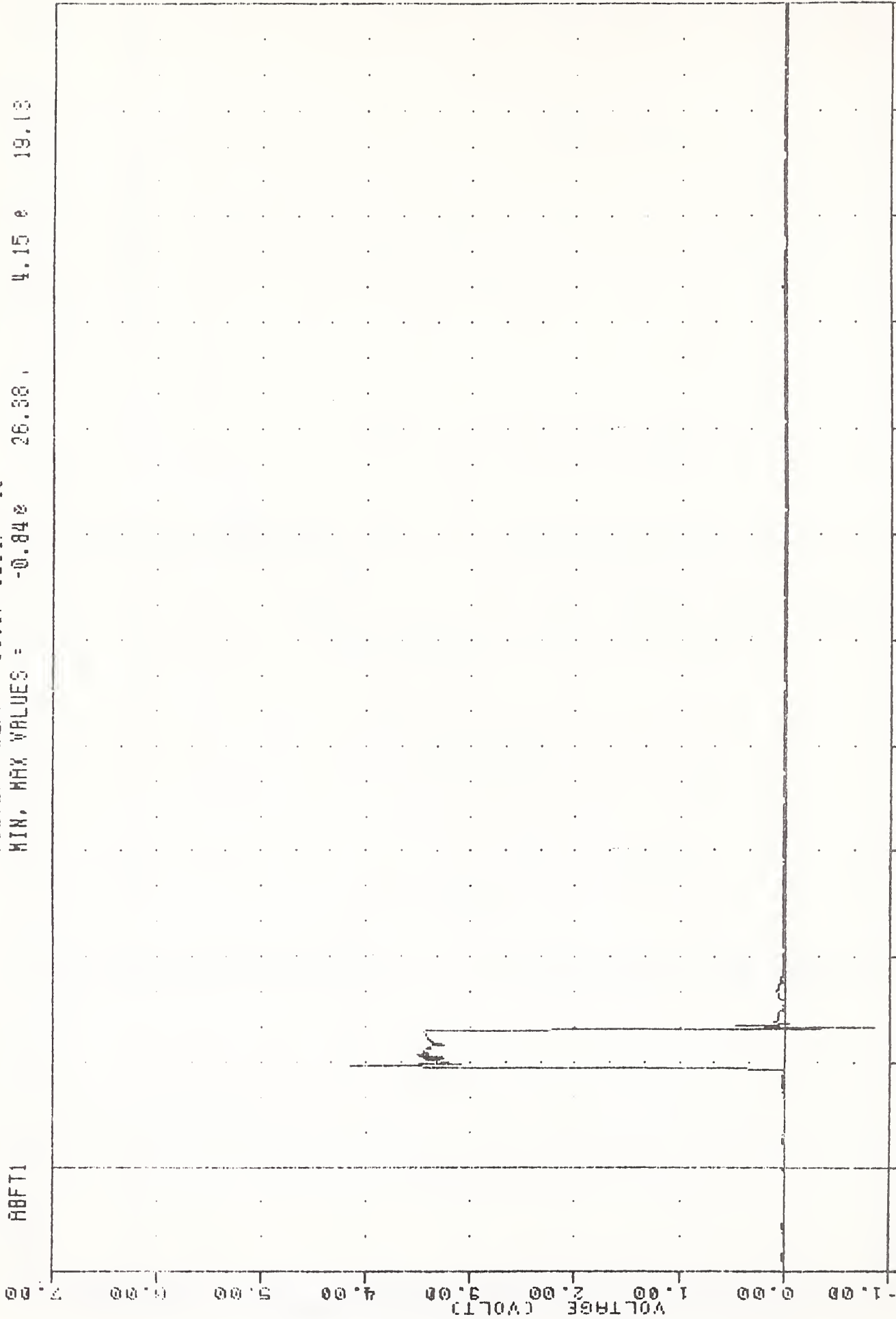
AIRBAG DEMONSTRATION PROGRAM  
 FLOOR PAN TUNNFI ACCELERATION



VRTC , RD523-2-18  
AIRBAG DEMONSTRATION PROGRAM  
83306  
RBFT1

PLOT DATE 2-NOV-83 14:00:24

FILTER = BLPF 1650/ 5218/ -40  
MIN, MAX VALUES = -0.84e 26.38, 4.15 e 19.13



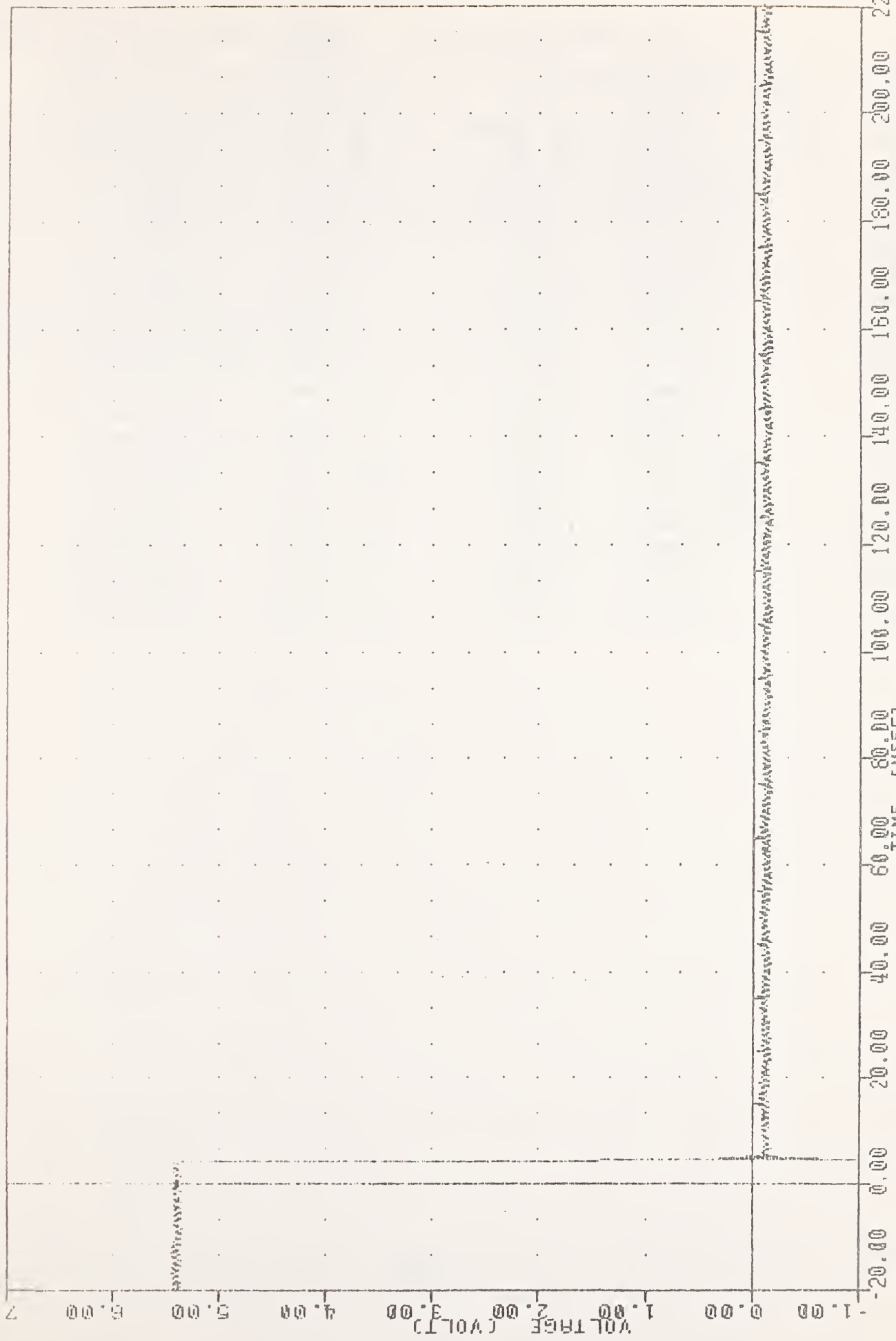
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (mSEC)

AIRBAG DEMONSTRATION PROGRAM  
AIR BAG FIRING EVENT 50TH PERCENTILE

WRTC , RD583-2-18  
 AIRBAG DEMONSTRATION PROGRAM  
 83306  
 SPSK

PLOT DATE 2-NOV-83 14:00:24

FILTER = BLPF 1650/ 5218/ -40  
 MIN, MAX VALUES = -1.21e 4.50, 5.44 e -17.00



AIRBAG DEMONSTRATION PROGRAM  
 SLED POSITION SWITCH

		Min value		Max value		Unit
1	SPSW	-0.337 @	5.500	5.438 @	-0.250 msec	volt
2	SLDXGC	-0.672 @	123.750	23.159 @	57.375 msec	g
3	SLDXVC	-0.012 @	-11.875	33.363 @	120.750 msec	mph
4	SLDXV	-0.023 @	-3.750	32.454 @	137.250 msec	mph
5	FTUXG	-2.126 @	136.625	26.446 @	63.625 msec	g
6	ABFT1	-0.739 @	26.750	4.301 @	19.375 msec	volt
7	HEDXG4	-59.582 @	97.125	14.667 @	238.875 msec	g
8	HEDXV4	-40.903 @	212.750	0.034 @	31.000 msec	mph
9	HEDYG4	-11.033 @	95.750	2.445 @	249.625 msec	g
0	HEDZG4	-25.323 @	96.000	26.894 @	74.625 msec	g
1	CSTXG4	-34.837 @	101.000	9.479 @	298.000 msec	g
2	CSTXV4	-36.604 @	136.500	0.003 @	-6.625 msec	mph
3	CSTYG4	-3.239 @	97.625	1.191 @	252.875 msec	g
4	CSTZG4	-14.121 @	107.375	33.483 @	75.500 msec	g
5	PEVXG4	-90.714 @	72.750	3.532 @	300.000 msec	g
6	PEVYG4	-11.244 @	53.500	21.494 @	57.500 msec	g
7	PEVZG4	-9.989 @	109.125	51.610 @	72.875 msec	g
8	CSTXD4	-0.002 @	22.000	1.365 @	101.250 msec	in
9	LFMF4	-1697.299 @	74.500	347.501 @	25.250 msec	lb
0	RFMF4	-1551.026 @	78.500	362.178 @	25.125 msec	lb
1	NEKXF4	-353.508 @	104.250	77.525 @	161.750 msec	lb
2	NEKZF4	-267.244 @	110.750	91.642 @	96.375 msec	lb
3	NEKYM4	-7.452 @	243.625	105.408 @	111.375 msec	lb-f
4	HEDRG4	0.021 @	-24.875	64.796 @	96.000 msec	g
5	CSTRG4	0.003 @	-19.125	40.434 @	75.750 msec	g
6	PEVRG4	0.007 @	-15.125	104.356 @	72.875 msec	g

\*\*\* HIC computation for TRC230I 3-NOV-83 15:36:44

HEDRG4 VRTC RD583-2-19 83307 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 64.80 @ 96.000

HIC = 343.75 Interval from 87.875 [ 904] to 106.375 [1052]

HIC = 333.77 Interval from 89.250 [ 915] to 104.250 [1035]

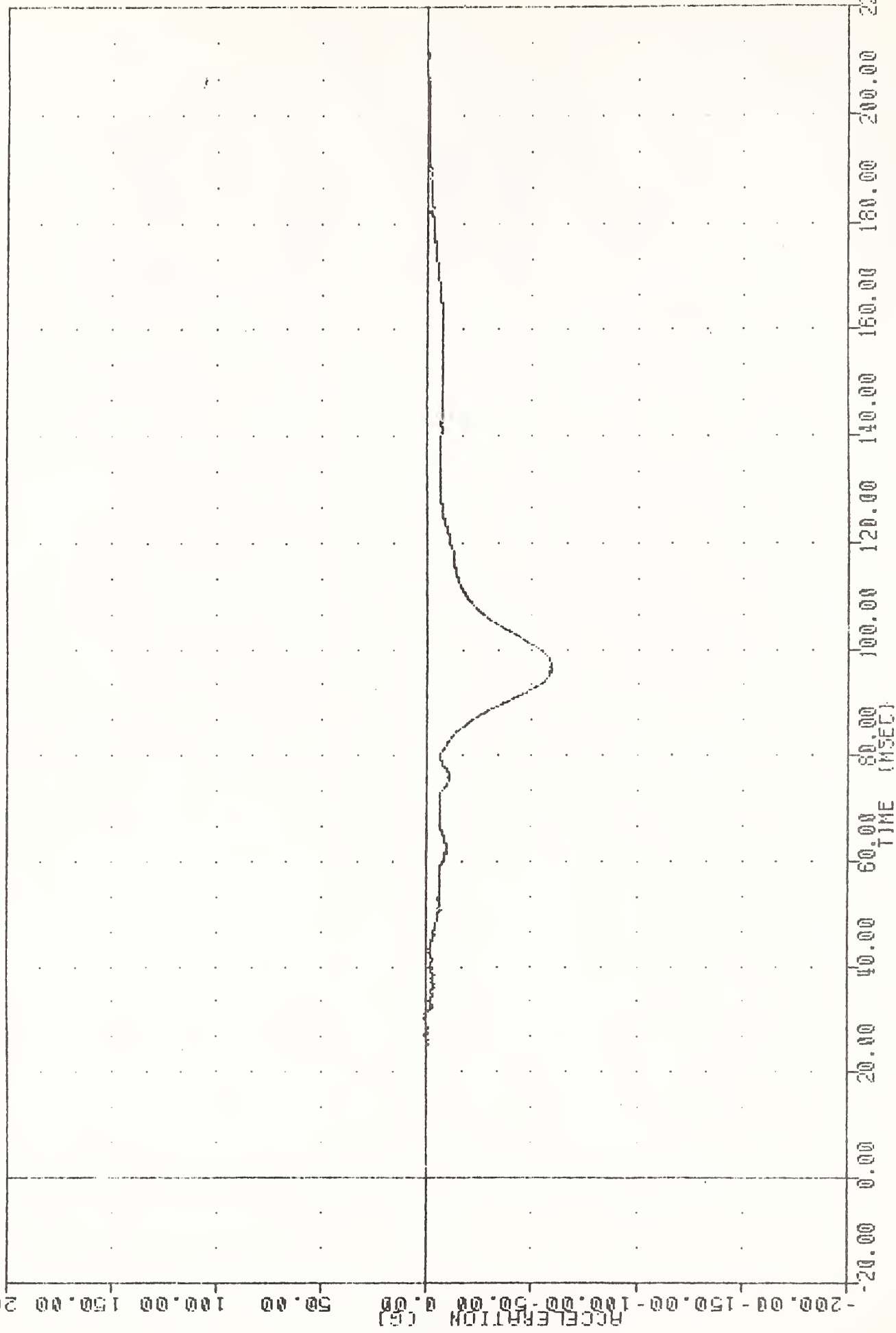
Elapsed time = 21.92 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

VRTC , R0583-2-19 PLOT DATE 3-NOV-83 15:27:55  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 HEADX64  
 FILTER = ALPF 1650/ 5214/ -40  
 MIN. MAX VALUES = -59.58e 97.13 , 1.29 e 26.75

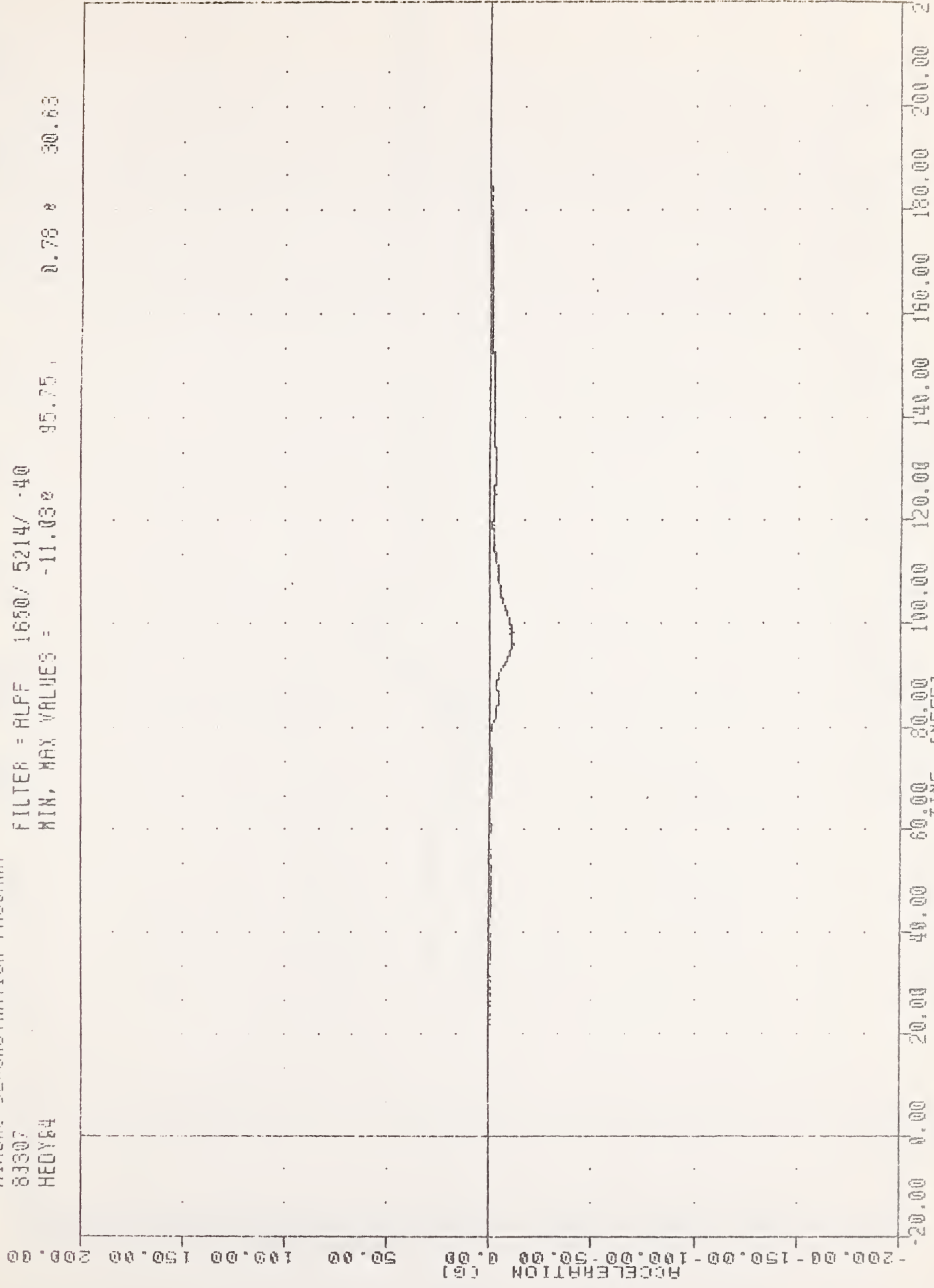


AIRBAG DEMONSTRATION PROGRAM  
 HEAD ACCELERATION X AXIS HYBRID III

VATIC  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 HEDY64

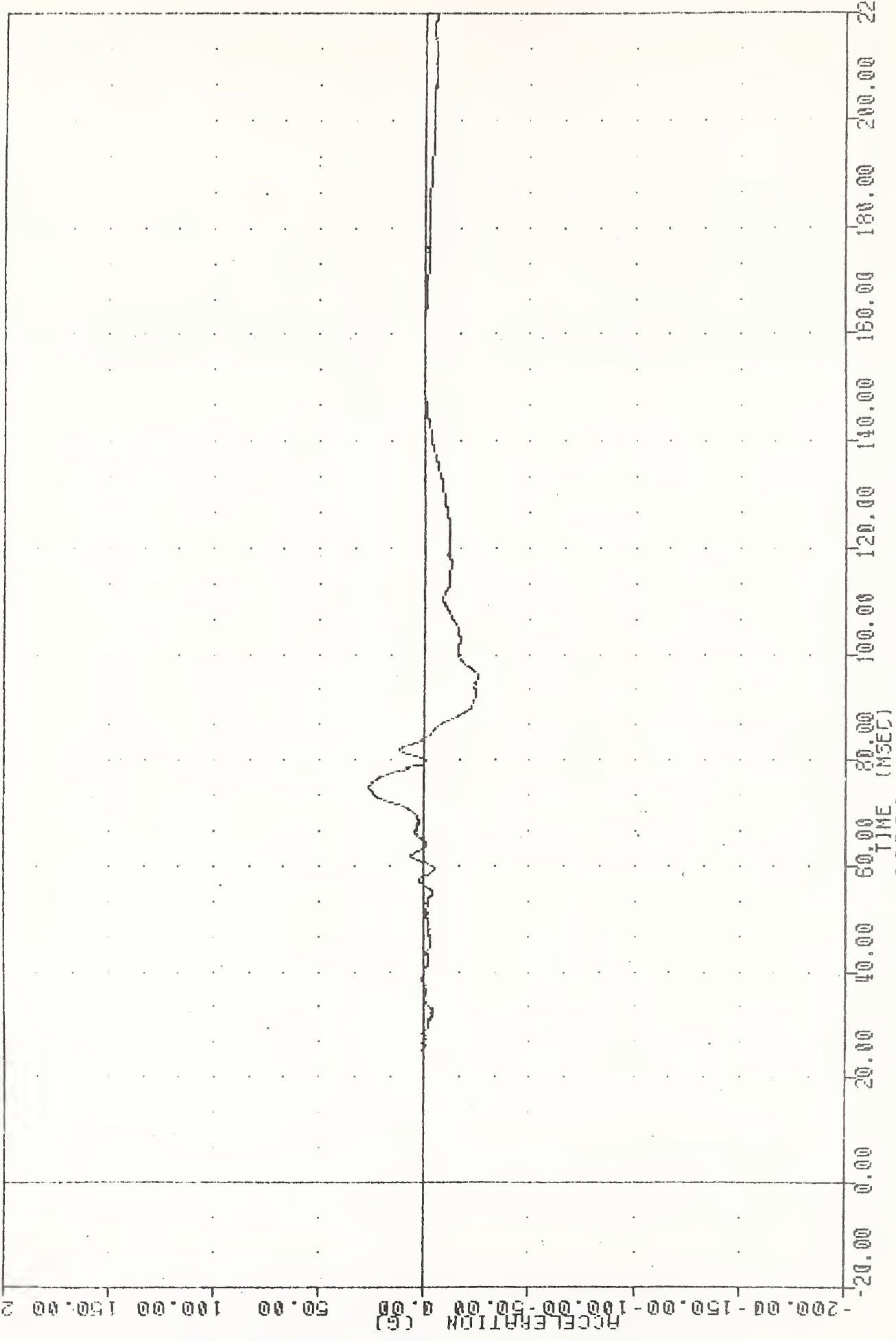
PLOT DATE 3-NOV-83 15:27:55

FILTER = ALPF 1650/ 5214/ -40  
 MIN. MAX VALUES = -11.03e 95.75 0.78 e 30.63



AIRBAG DEMONSTRATION PROGRAM  
 HEAD ACCELERATION Y AXIS HYBRID III

VRTC R0583-2-19 PLOT DATE 3-NOV-83 15:27:56  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 HEADZG4  
 FILTER = ALPF 1650/ 5214/ -40  
 MIN. MAX VALUES = -25.32e 36.00, 26.89 e 74.63



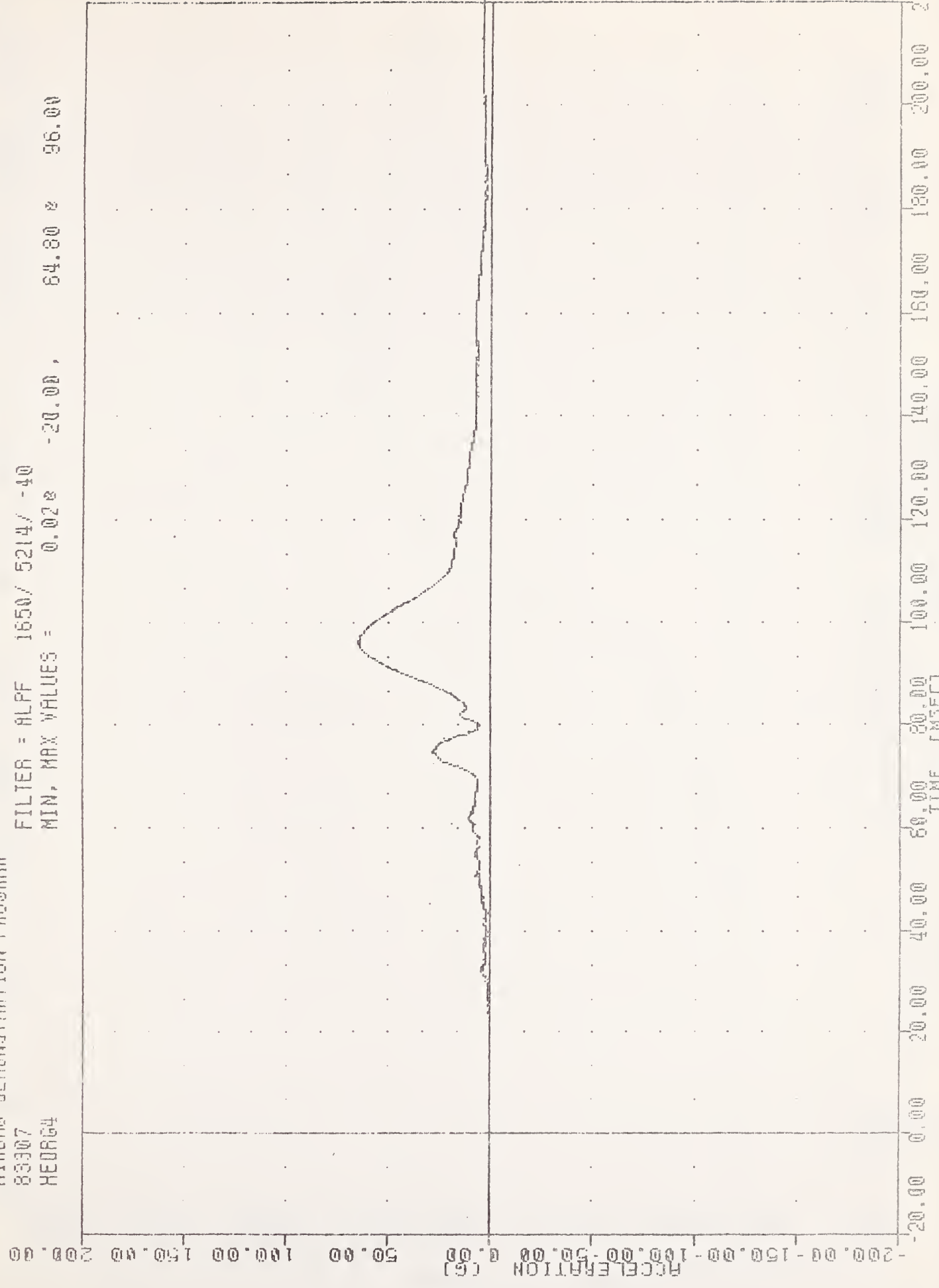
AIRBAG DEMONSTRATION PROGRAM  
 HEAD ACCELERATION Z AXIS HYBRID III



VRIC , R0583-2-19  
AIRBAG DEMONSTRATION PROGRAM  
83307  
HE0864

PLOT DATE 3-NOV-83 15:27:55

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = 0.02e -20.00, 64.80 e 96.00



AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION HYBRID III

VRTC  
R0583-2-19  
AIRBAG DEMONSTRATION PROGRAM  
83307  
HECXV4

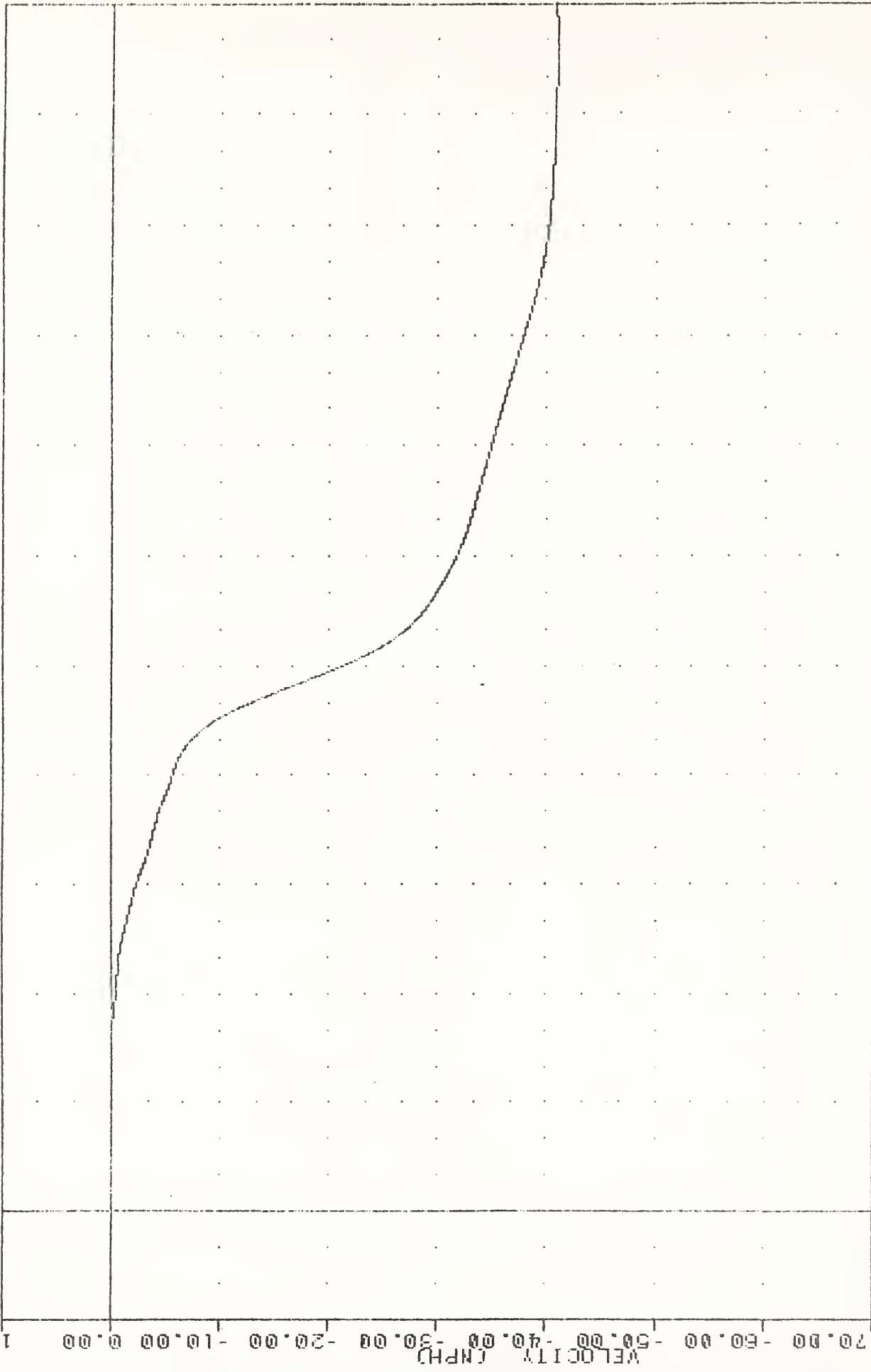
PLOT DATE 3-NOV-93

15:27:55

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -40.90e 213.75. 0.03e 31.00

10.00

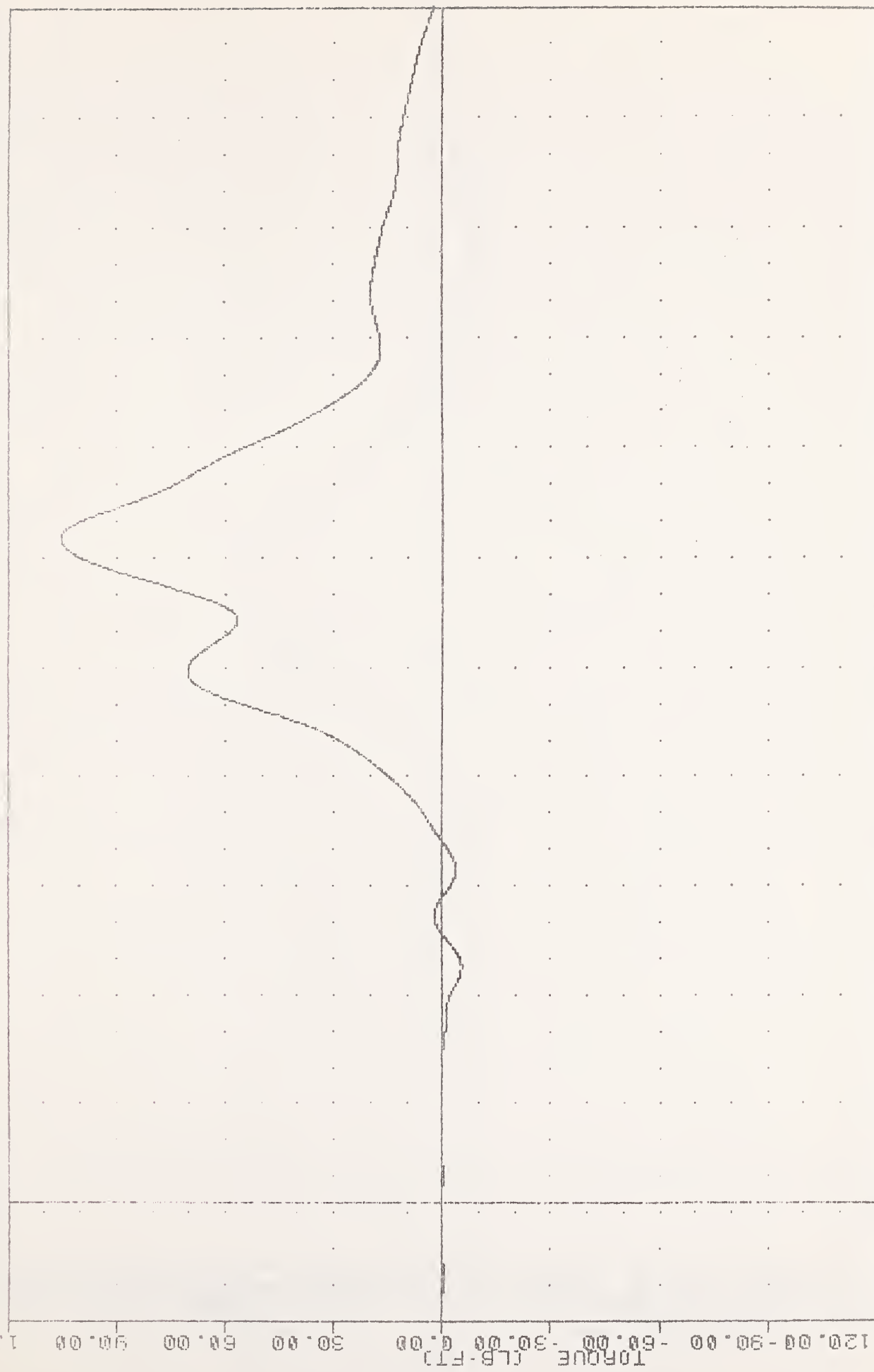


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS HYBRID III

VATIC 1, R0503-2-19  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 NEXTM4

PLOT DATE 3-NOV-83 15:29:55  
 FILTER = 8LPG 100/ 316/ -40  
 MIN. MAX VALUES = -5.290 39.63 105.41 111.38



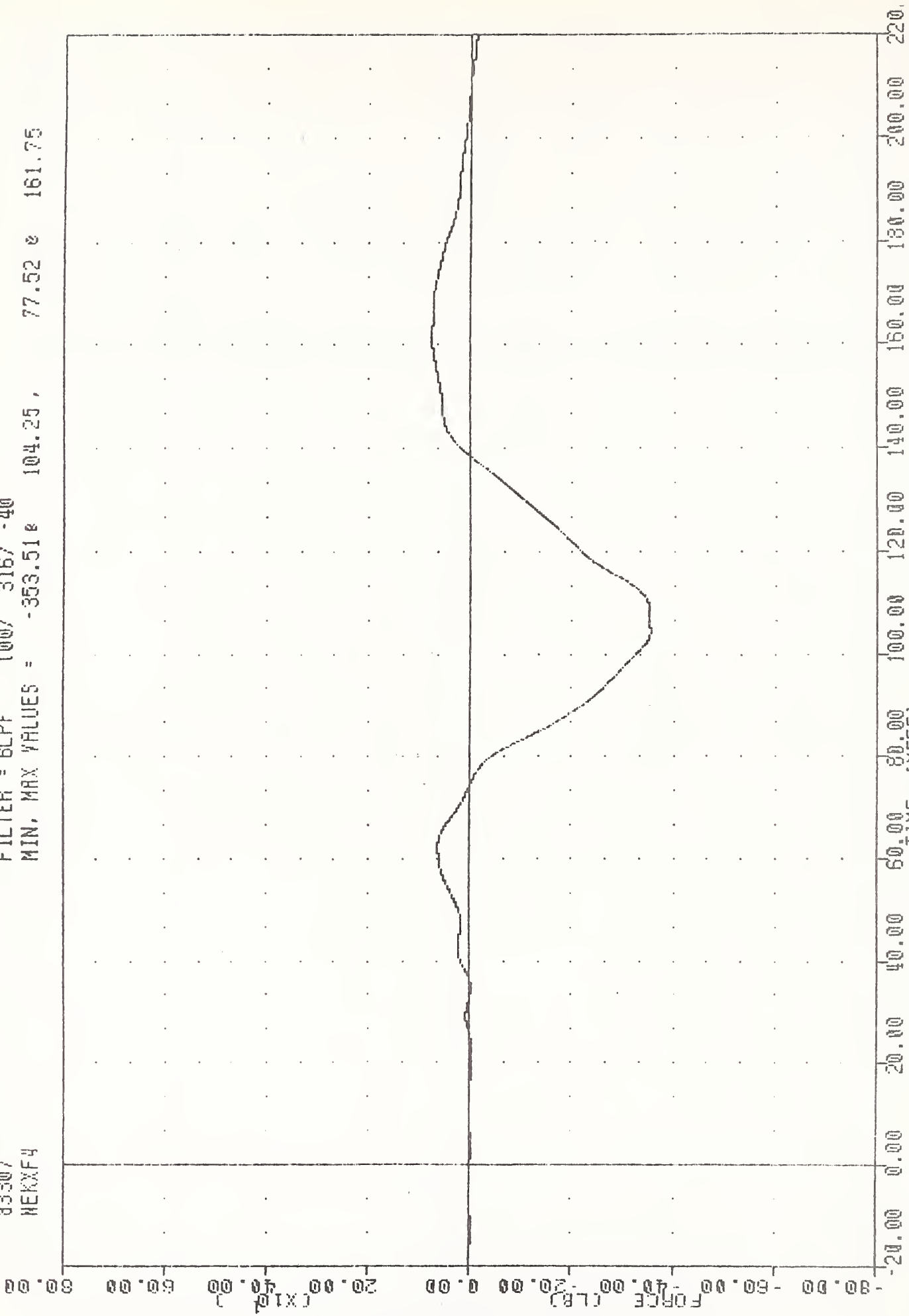
53.33 71.66 90.00 108.33 126.66 145.00 163.33 181.66 200.00  
 TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
 NECK MOMENT Y AXIS HYBRID III

VATC  
AIRBAG DEMONSTRATION PROGRAM  
83307  
HEKXF4

PLOT DATE 3-NOV-83 15:56:10

FILTER = 6LPF 100/ 316/ -40  
MIN. MAX VALUES = -353.51 e 104.25 , 77.52 e 161.75



AIRBAG DEMONSTRATION PROGRAM  
NECK FORCE X AXIS HYBRID III,

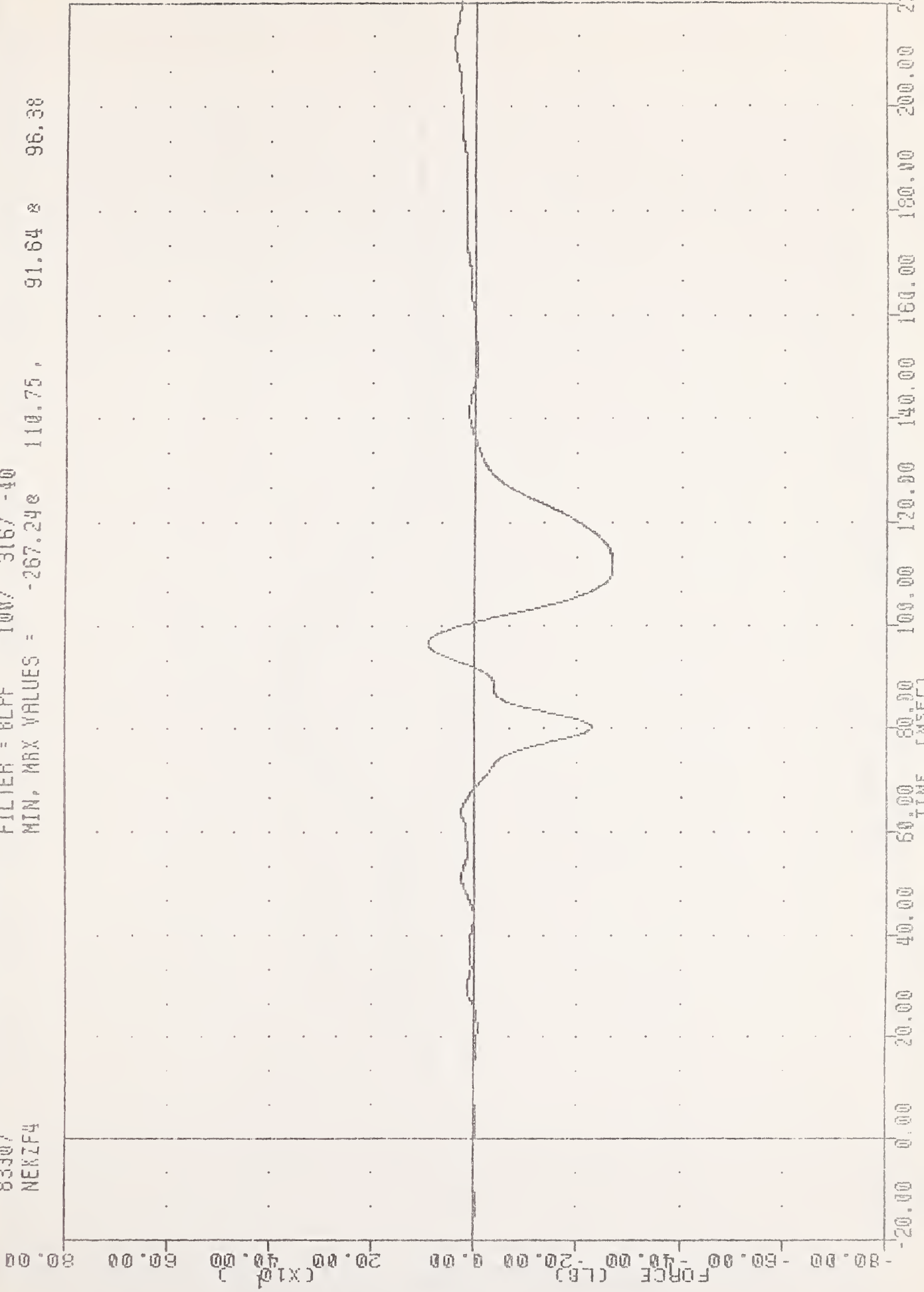
VATIC , R0583-2-19 PLOT DATE 3-NOV-83 15:56:10

AIRBAG DEMONSTRATION PROGRAM

83307  
NEKZF4

FILTER = 8LFF 100/ 316/ -40

MIN. MAX VALUES = -267.24e 110.75 , 91.64 s 96.38

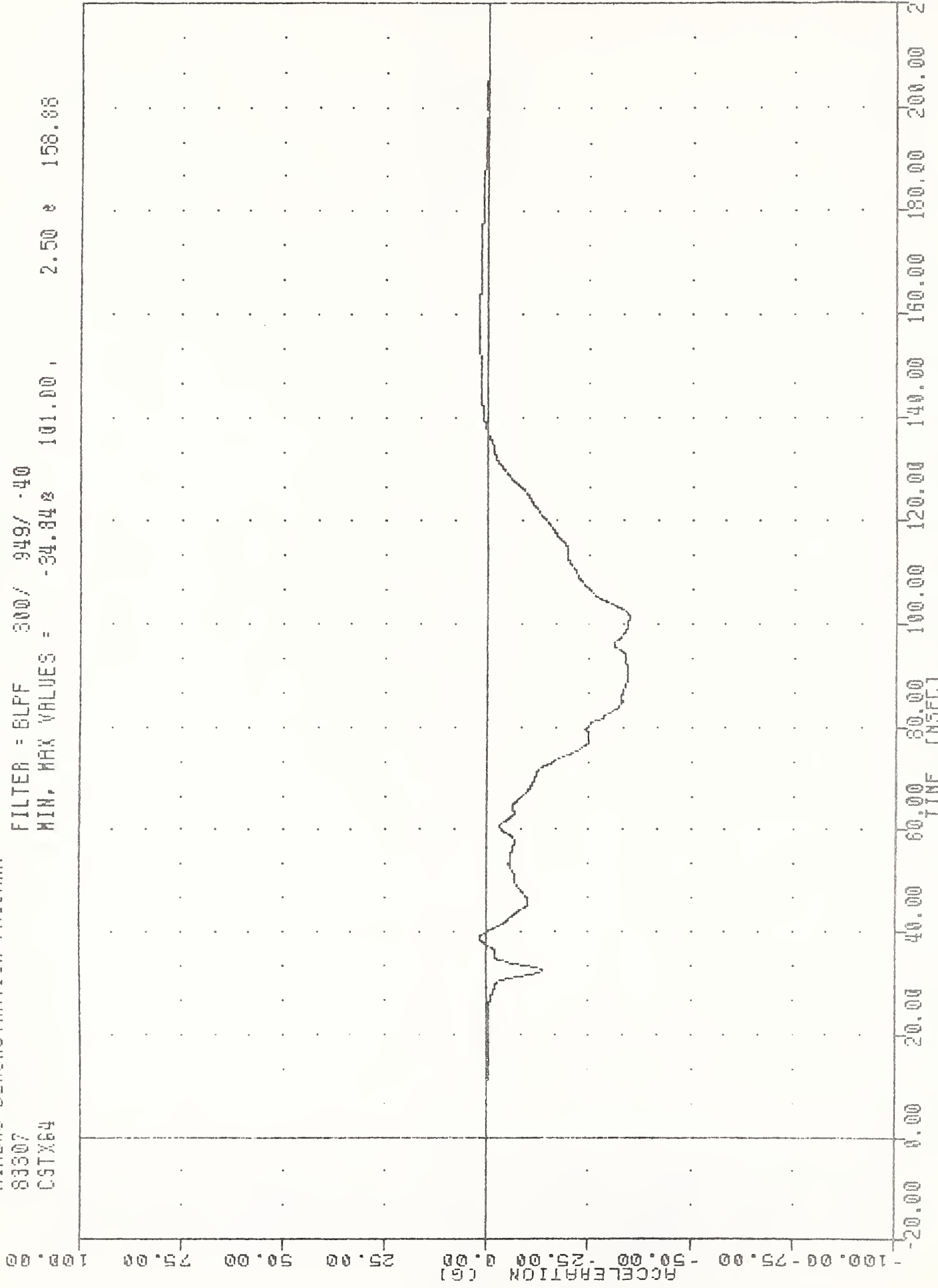


AIRBAG DEMONSTRATION PROGRAM  
NECK FORCE Z AXIS HYBRID III

VRTC , RD583-2-19  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 CSTX64

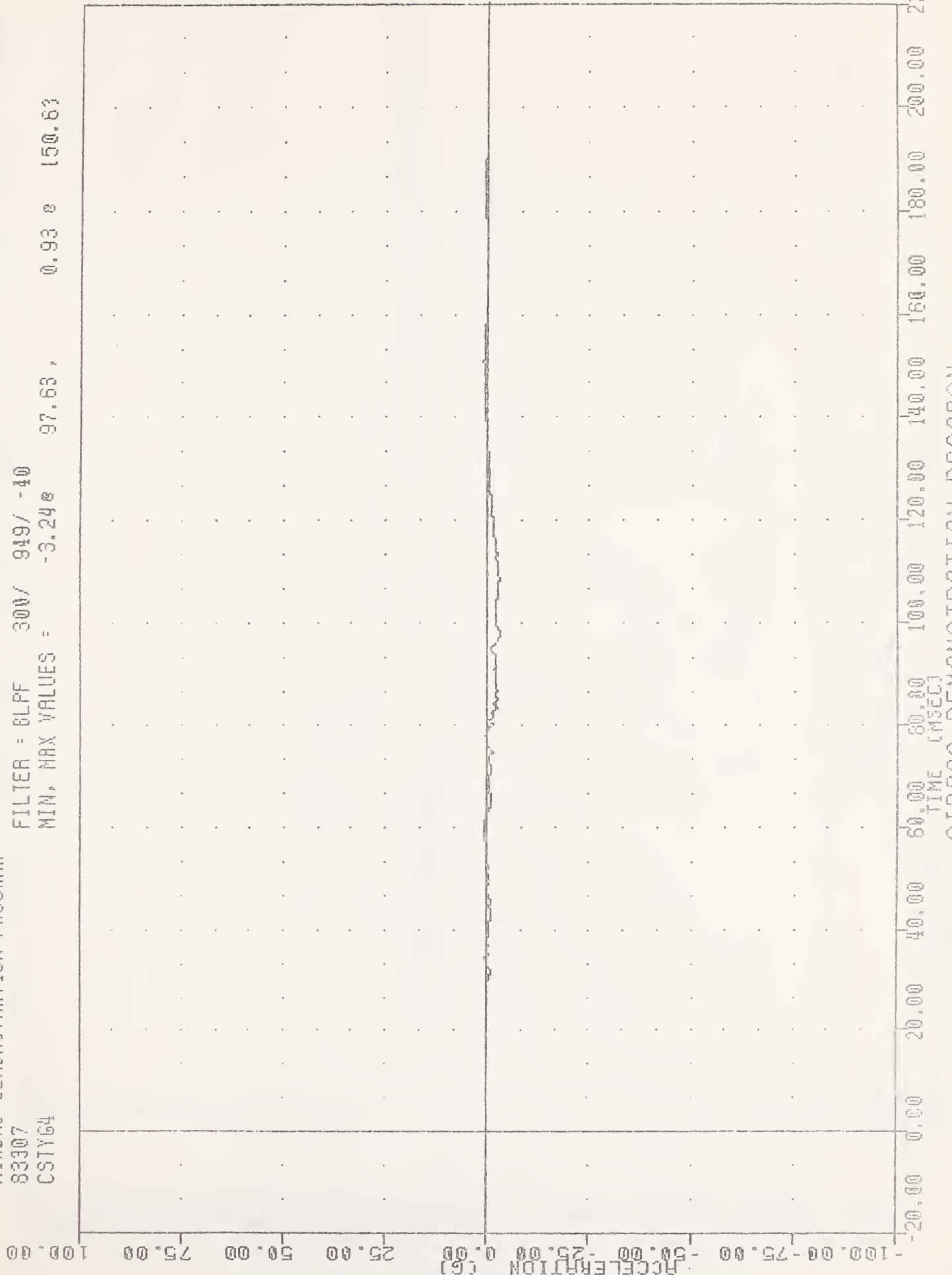
PLOT DATE 3-NOV-83 15:27:55

FILTER = 6LFF 300/ 949/ -40  
 MIN, MAX VALUES = -34.848 101.00 , 2.50 e 158.88



AIRBAG DEMONSTRATION PROGRAM  
 CHEST ACCELERATION X AXIS HYBRID III

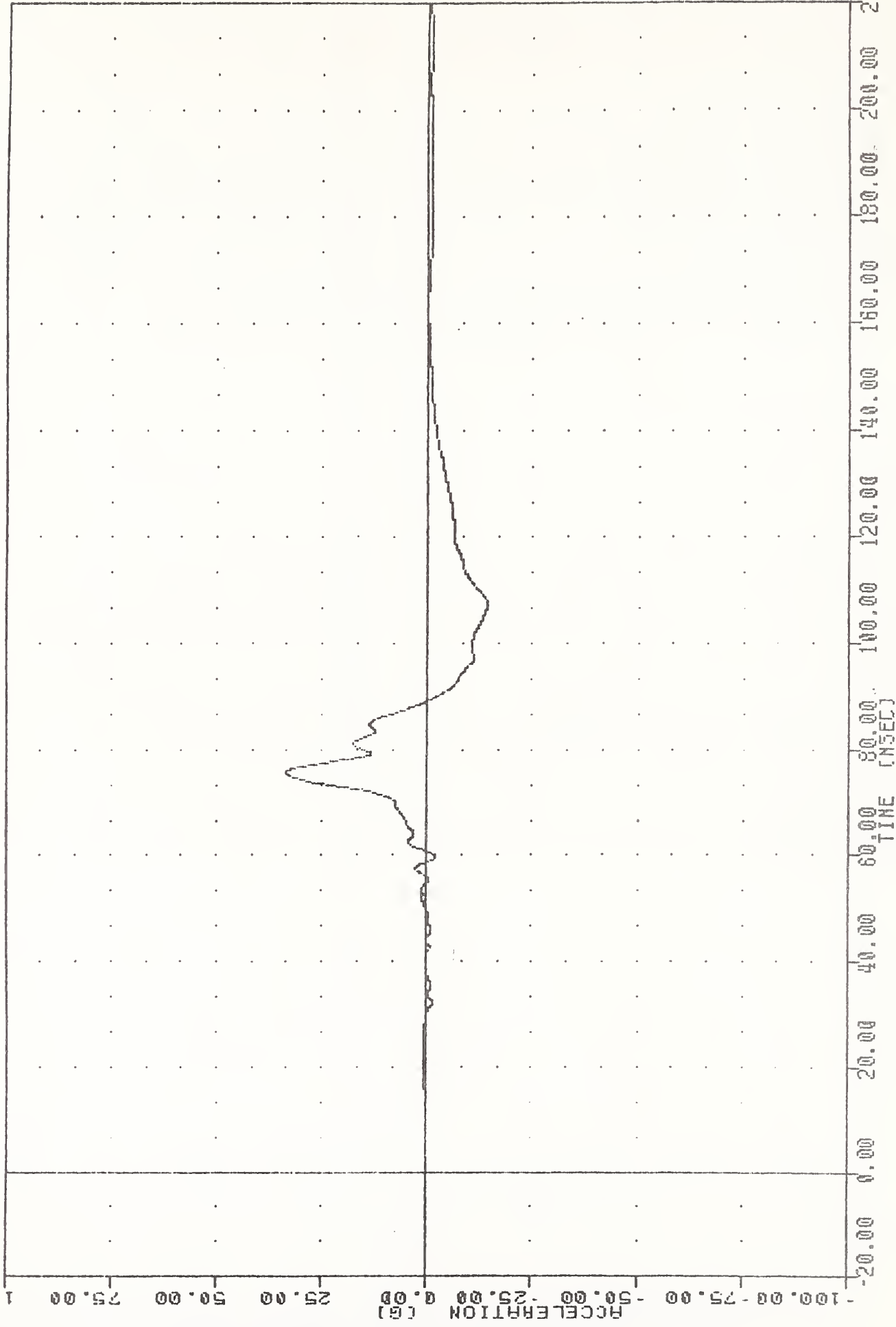
CHEST HYBRID PROGRAM I AXIS HYBRID III  
 VRTC , R0583-2-19  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 CSTY64  
 PLOT DATE 5-NOV-83 15:27:55  
 FILTER = BLPF 300/ 949/ -40  
 MIN, MAX VALUES = -3.24e 97.63, 0.93 e 150.63



AIRBAG DEMONSTRATION PROGRAM  
 CHEST ACCELERATION Y AXIS HYBRID III



VRTC , R0583-2-19  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 CSTZ64  
 PLOT DATE 3-NOV-83 15:27:55  
 FILTER = BLPF 300/ 849/ -40  
 MIN, MAX VALUES = -14.12e 107.38, 33.48 e 75.50

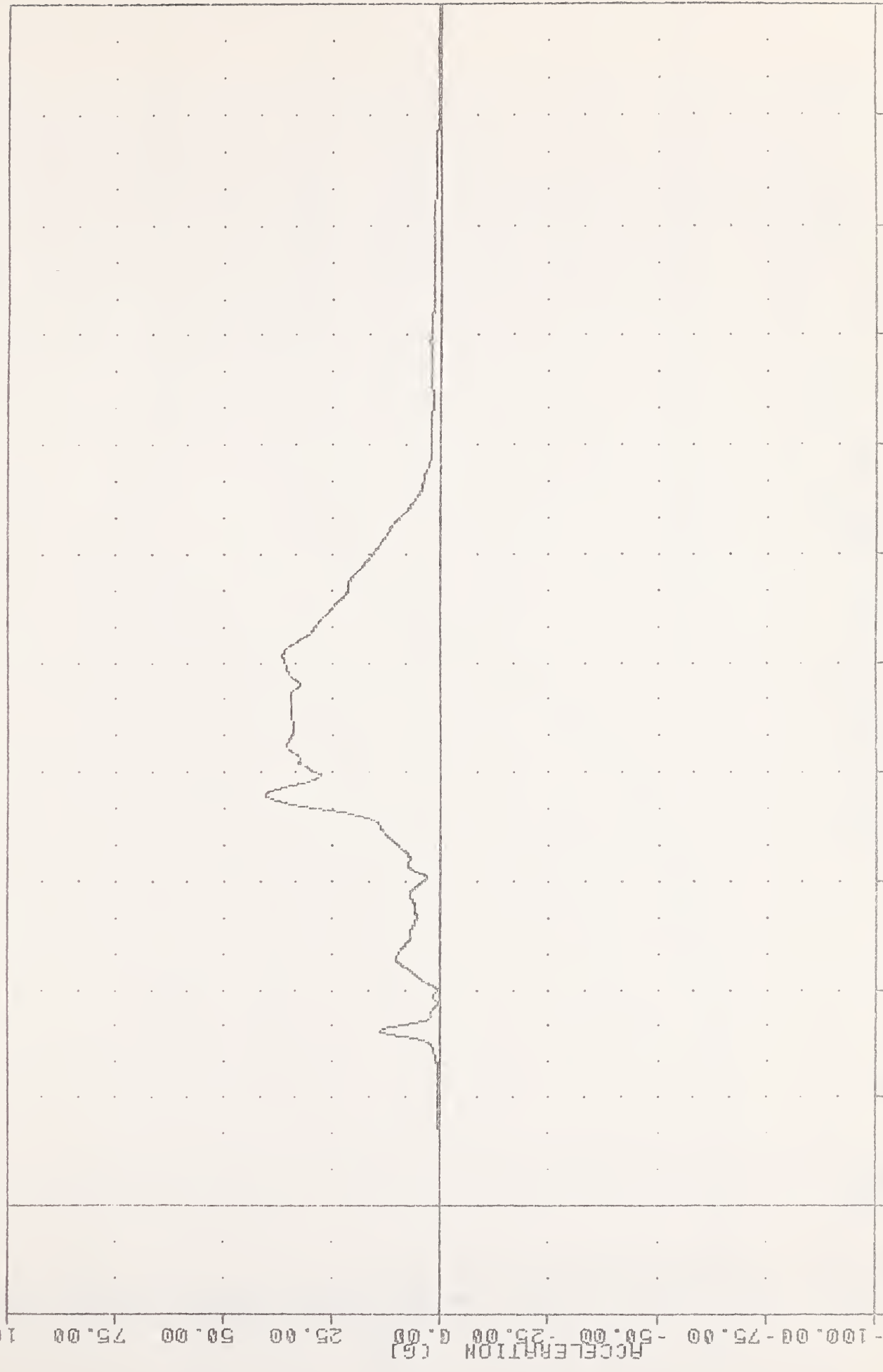


AIRBAG DEMONSTRATION PROGRAM  
 CHEST ACCELERATION 7 AVTS HYBRID TTT

YRTC , RD583-2-19 PLOT DATE 3-NOV-83 15:27:55

AIRBAG DEMONSTRATION PROGRAM  
83307  
CSTRG4

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = 0.000 -19.13, 40.43 0 75.75



ACCELERATION (G) TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM

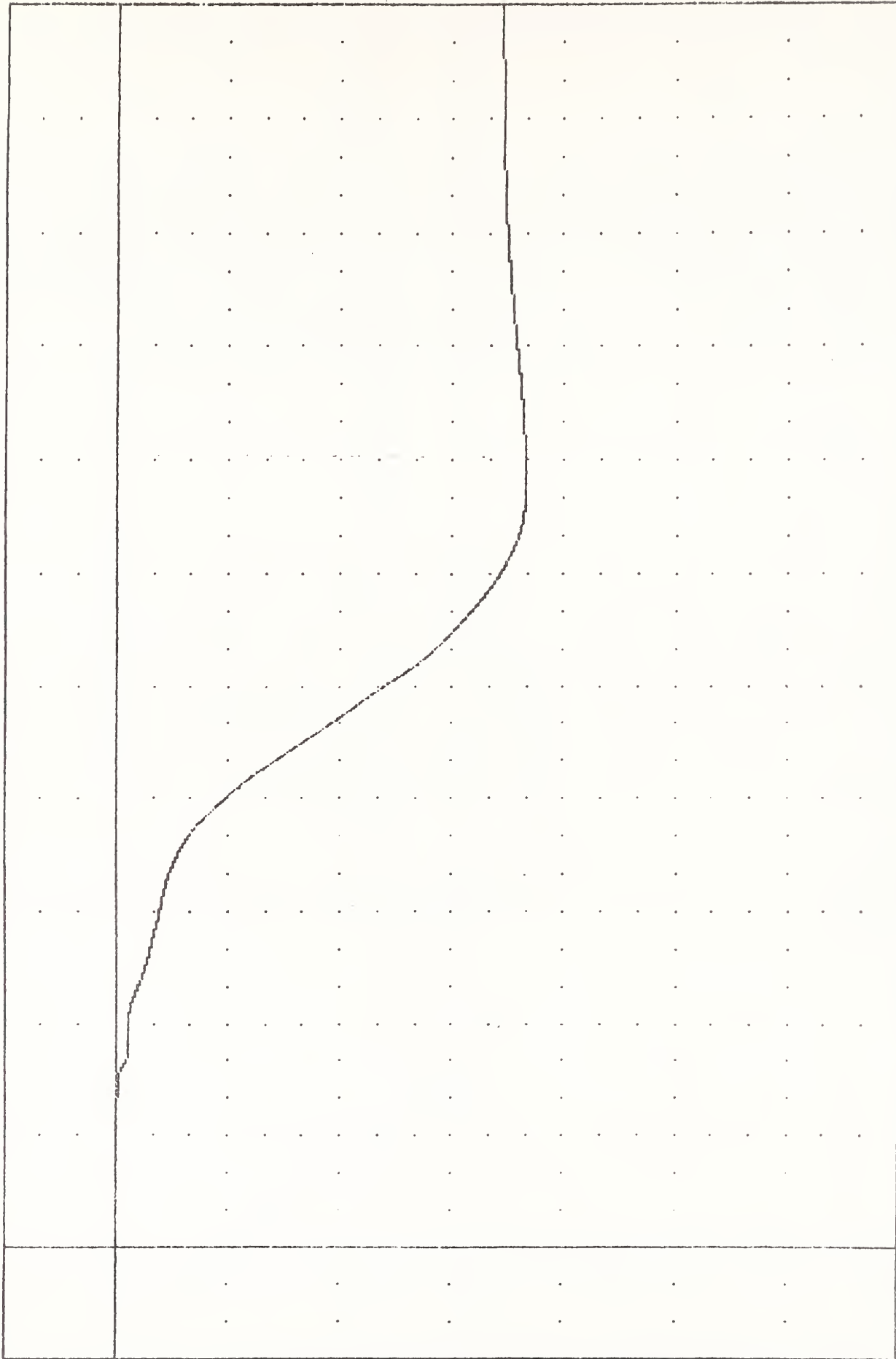
CHEST RESU TANT ACCELERATION HYBRID III

VRTC  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 CSTXV4

PLOT DATE 3-NOV-83 15:27:55

FILTER = BLPF 300/ 949/ -40  
 MIN. MAX VALUES = -36.60e 136.50 , 0.00 e -6.63

10.00  
 -70.00  
 -50.00  
 -30.00  
 -10.00  
 0.00  
 10.00



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

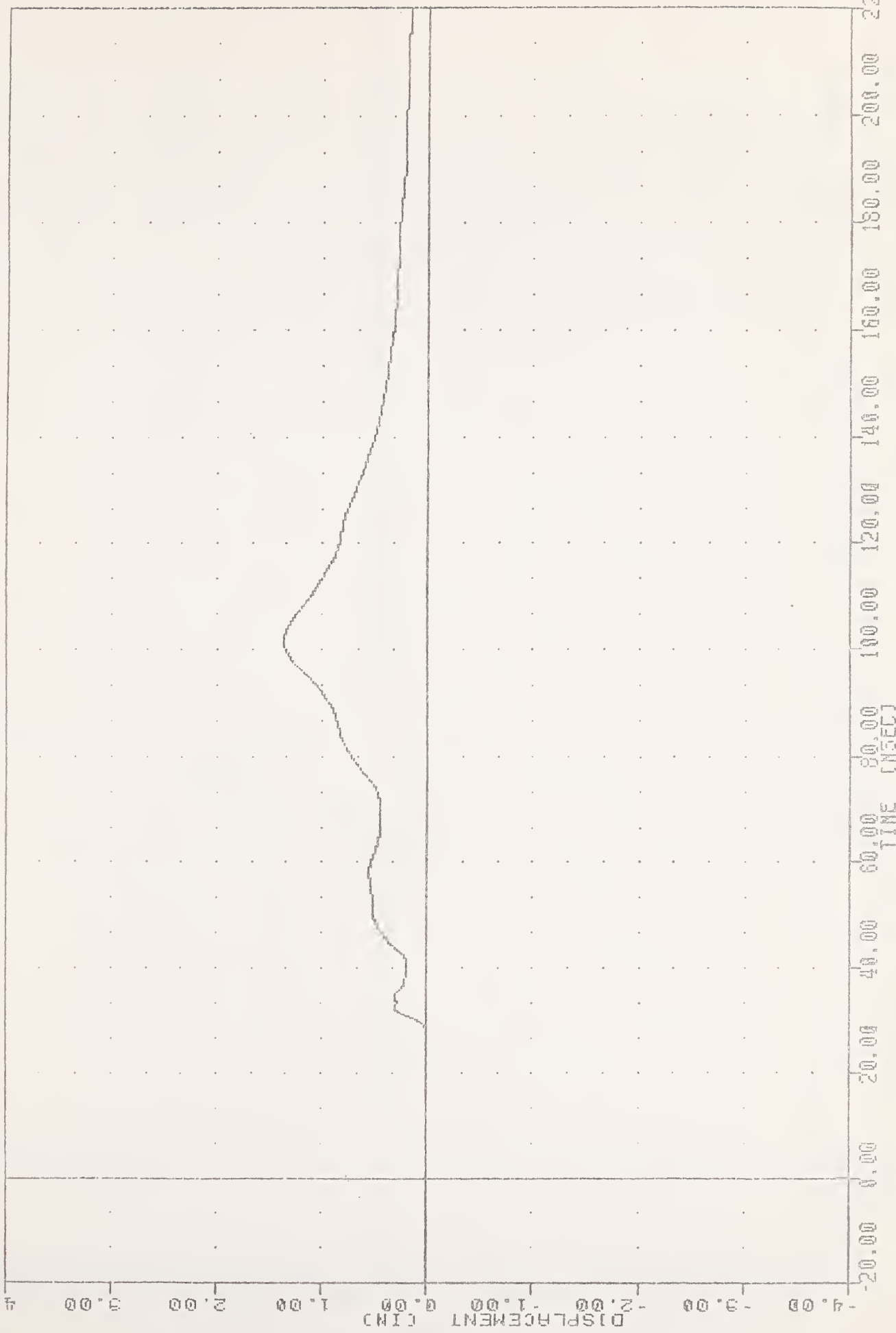
AIRBAG DEMONSTRATION PROGRAM  
 CHEST VELOCITY X AXIS HYBRID III

CHEST VELOCITY X AXIS HYBRID III

VATC  
AIRBAG DEMONSTRATION PROGRAM  
83507  
CSTX04

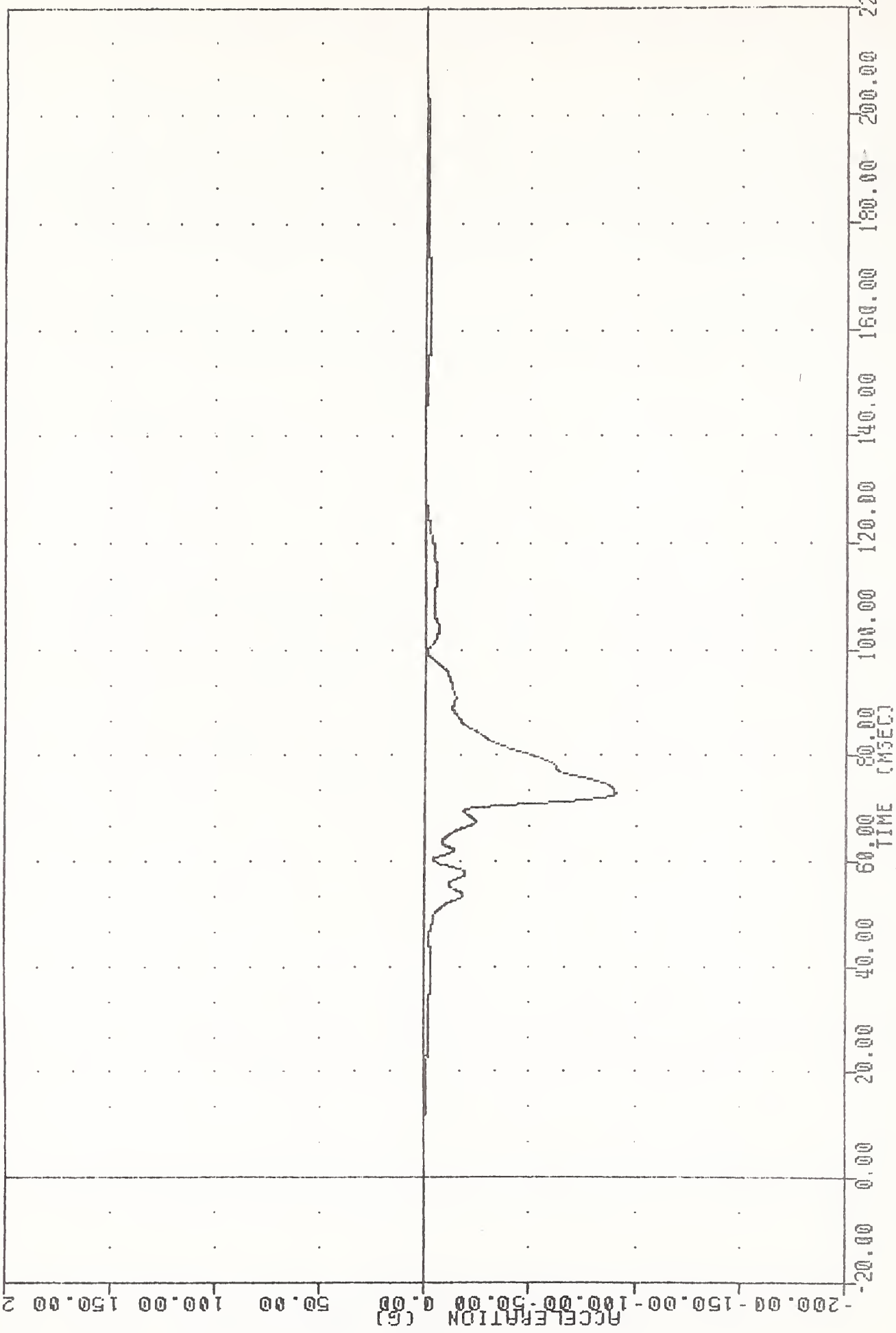
PLOT DATE 3-NOV-83 15:27:55

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = 0.008 22.00 1.36 e 101.25



AIRBAG DEMONSTRATION PROGRAM  
CHEST DISPLACEMENT HYBRID III

VRTC RD563-2-19 PLOT DATE 3-NOV-83 15:27:55  
 AIRBAG DEMONSTRATION PROGRAM  
 S3307 FILTER = BLPF 300/ 949/ -40  
 PEYX64 MIN. MAX VALUES = -90.71e 72.75, 0.10 e 220.00

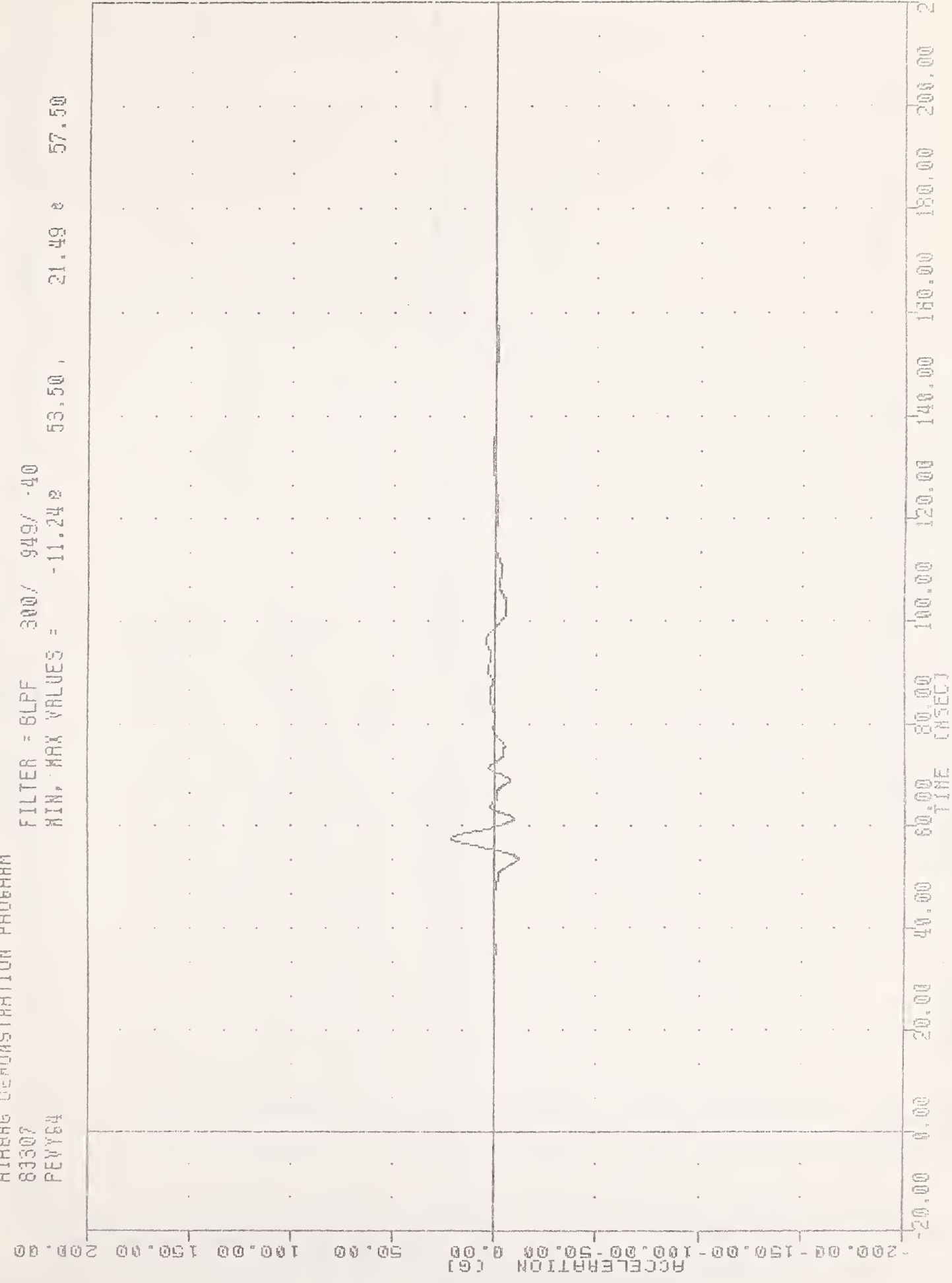


AIRBAG DEMONSTRATION PROGRAM  
 PELVIS ACCELERATION X AXIS HYBRID, III

VATIC  
AIRBAG DEMONSTRATION PROGRAM  
83307  
PEYB4

AD583-2-19  
3-NOV-83 15:27:55

FILTER = 6LFF 300/ 949/ -40  
MIN, MAX VALUES = -11.24e 53.50, 21.49 e 57.50

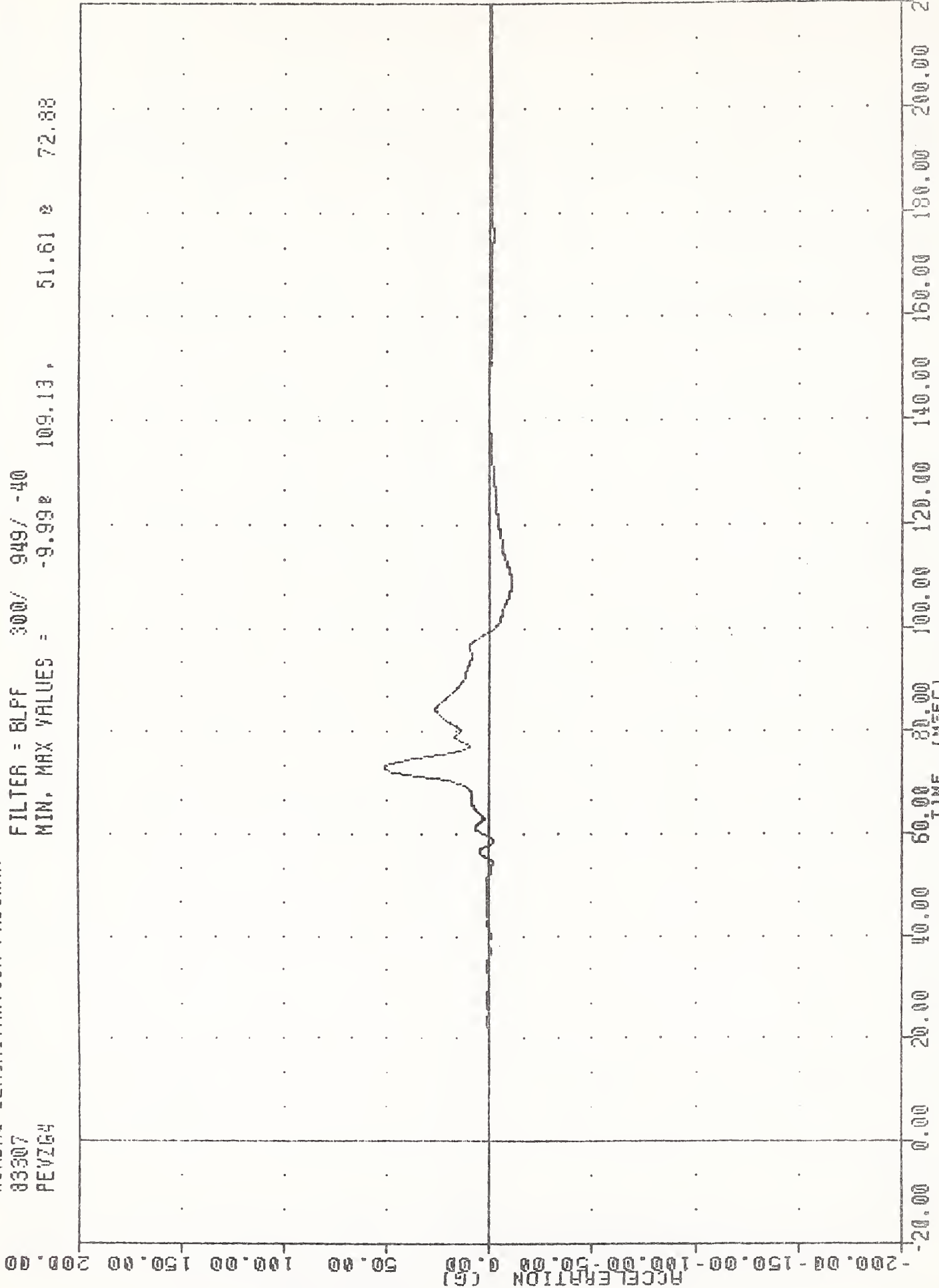


AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Y AXIS HYBRID III

VRTC , RD583-2-19  
AIRBAG DEMONSTRATION PROGRAM  
83307  
PEVIG4

PLOT DATE 3-NDV-83 15:27:55

FILTER = 8LFF 300/ 949/ -40  
MIN. MAX VALUES = -9.99e 109.13, 51.61 e 72.88



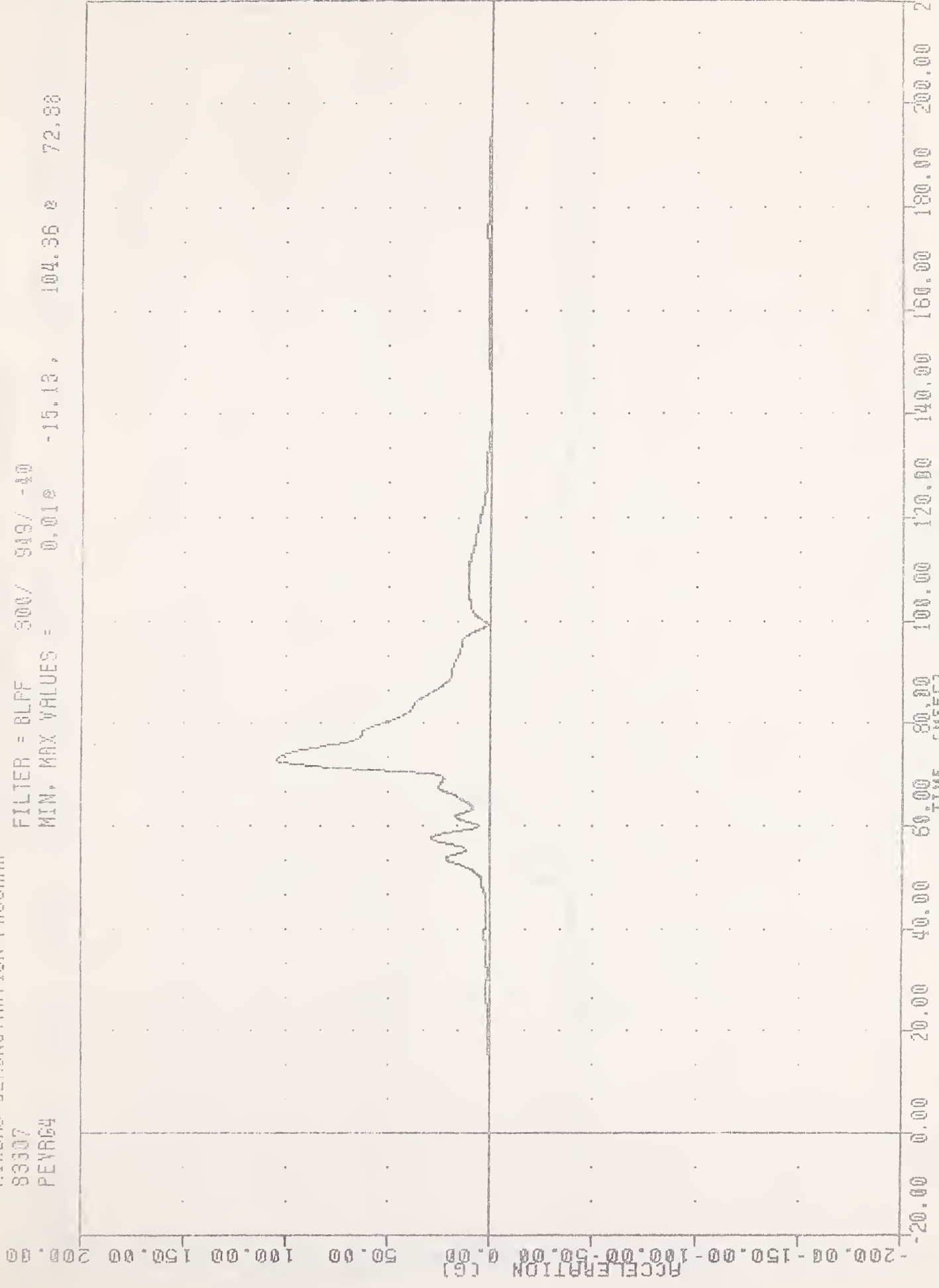
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION 7 AXIS HYBRID III



VRTC , RD563-2-19 PLOT DATE 3-NOV-83 15:27:55

AIRBAG DEMONSTRATION PROGRAM  
83307  
PEYR64

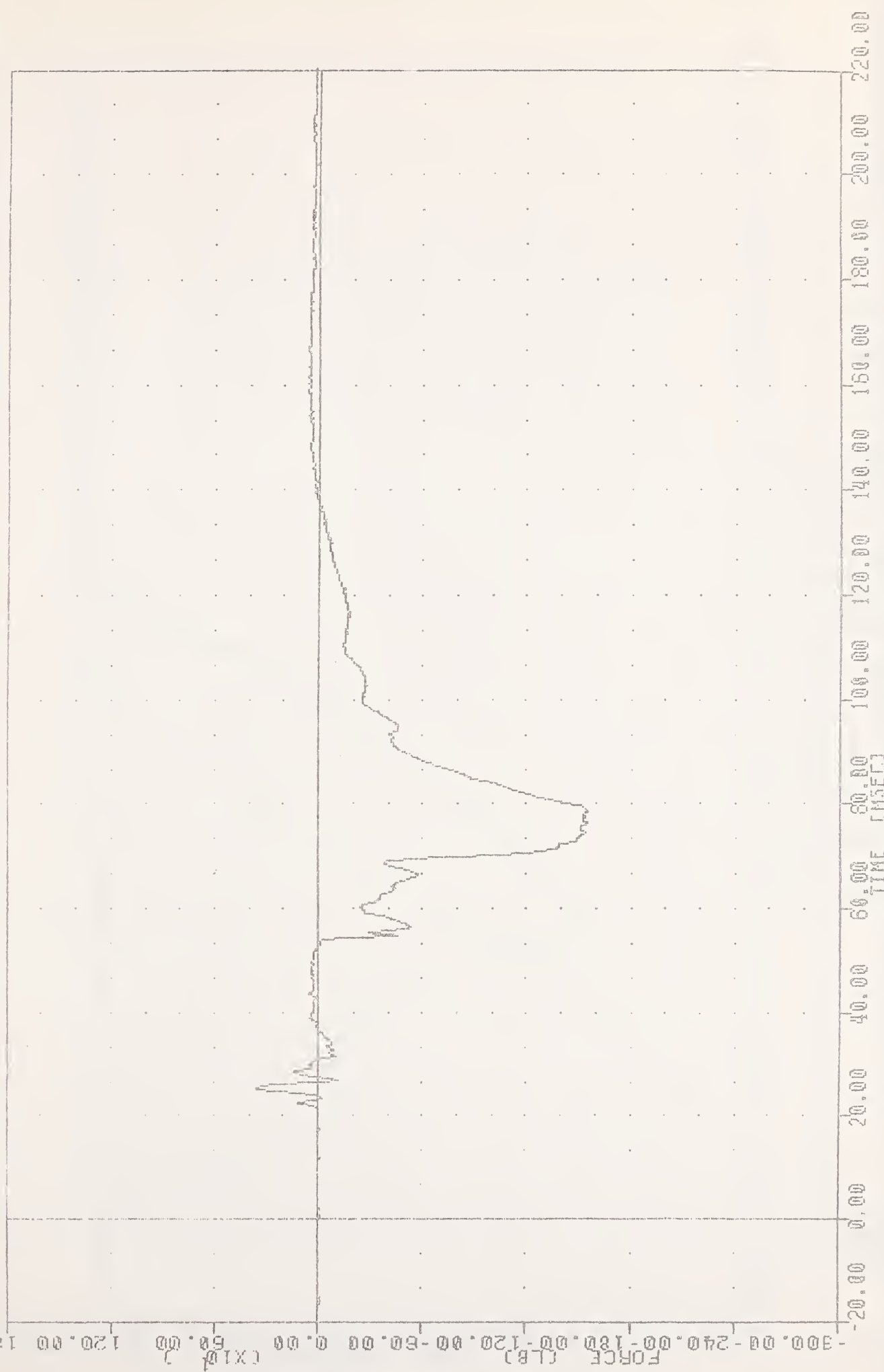
FILTER = BLPF 300/ 919/ -10  
MIN. MAX VALUES = 0.018 -15.13, 104.36 e 72.88



AIRBAG DEMONSTRATION PROGRAM  
PFI VIS RESUI TANT ACCFIFRATION HYBRID III



VRIC , RD583-2-19  
AIRBAG DEMONSTRATION PROGRAM  
83307  
RFNF4  
PLOT DATE 3-NOV-83 15:27:54  
FILTER = BLFF 1000/ 3162/ -40  
MIN, MAX VALUES = -1551.03e 78.58, 362.18 e 25.13



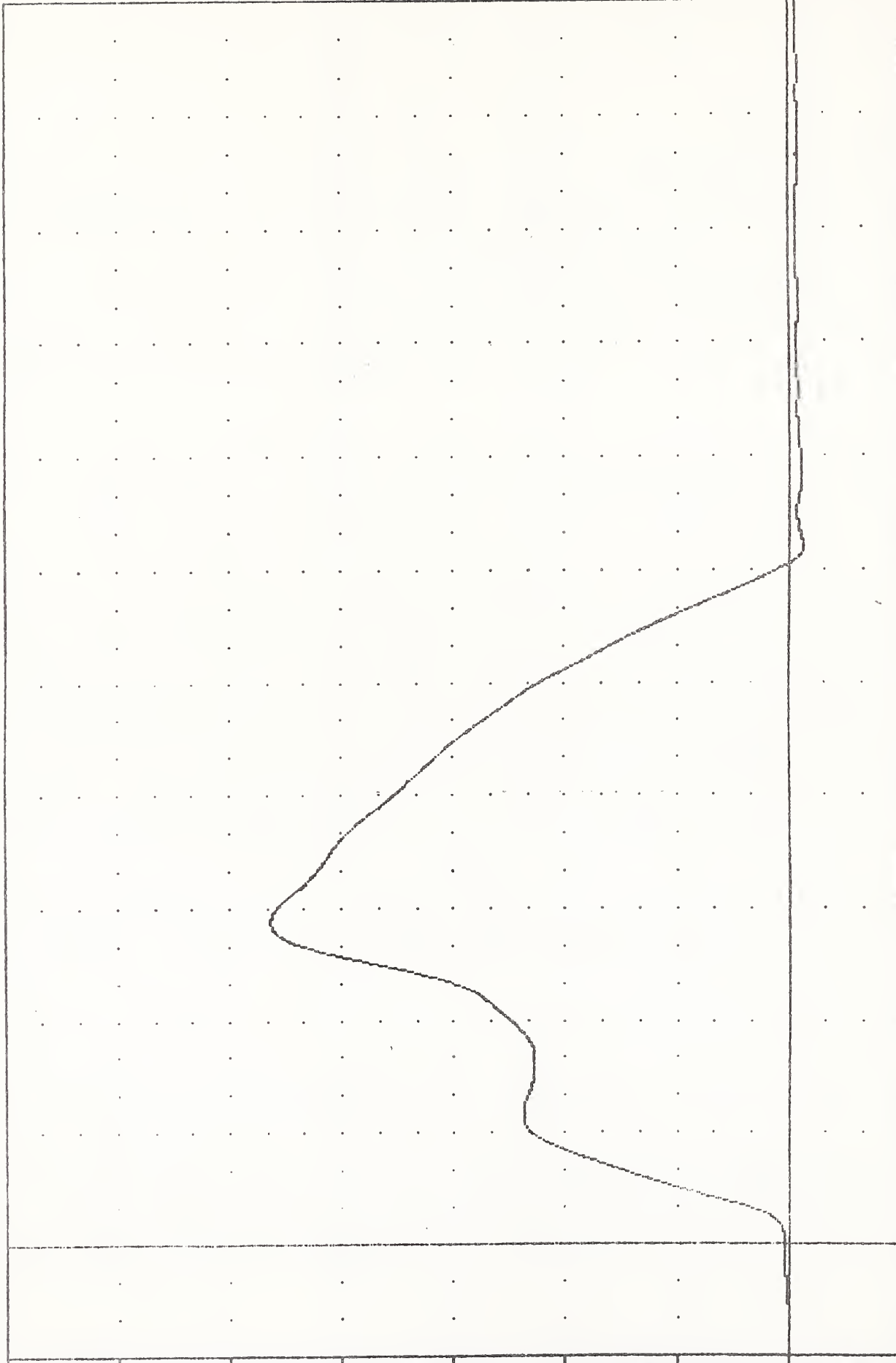
AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN LBS HYBRID III

NRIC , RD583-2-19  
AIRBAG DEMONSTRATION PROGRAM  
83307  
SLOX6C

PLOT DATE 3-NOV-83 15:27:55

FILTER = BLPF 100/ 316/ -40  
MIN. MAX VALUES = -0.67g 23.16g 57.38

ACCELERATION (G)



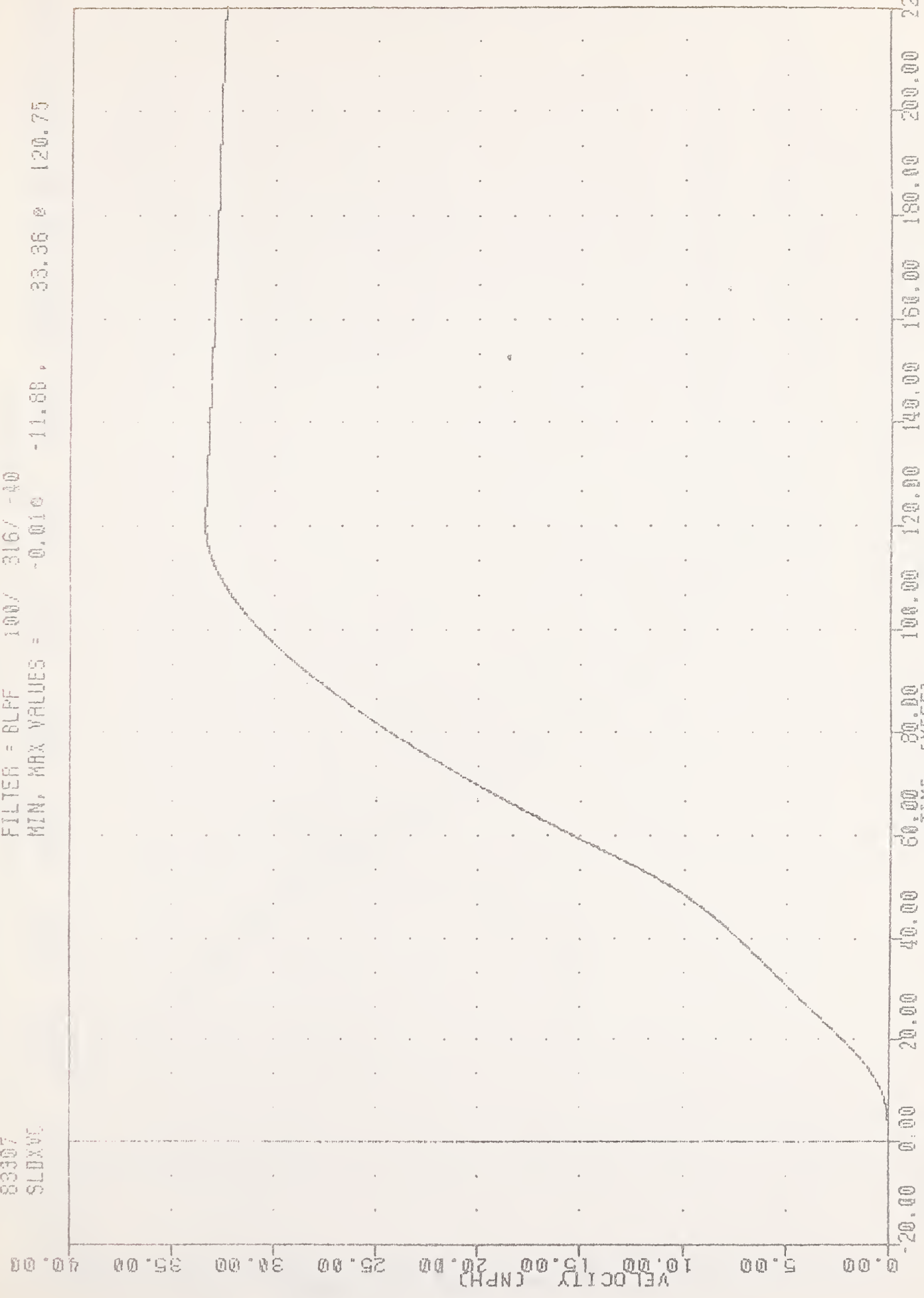
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)  
AIRBAG DEMONSTRATION PROGRAM  
SLED ACCELERATION

VRTC , RD583-2-19  
AIRBAG DEMONSTRATION PROGRAM  
83307  
SLDXVC

PLOT DATE 3-NOV-83 15:27:55

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.010 -11.88, 33.36 120.75

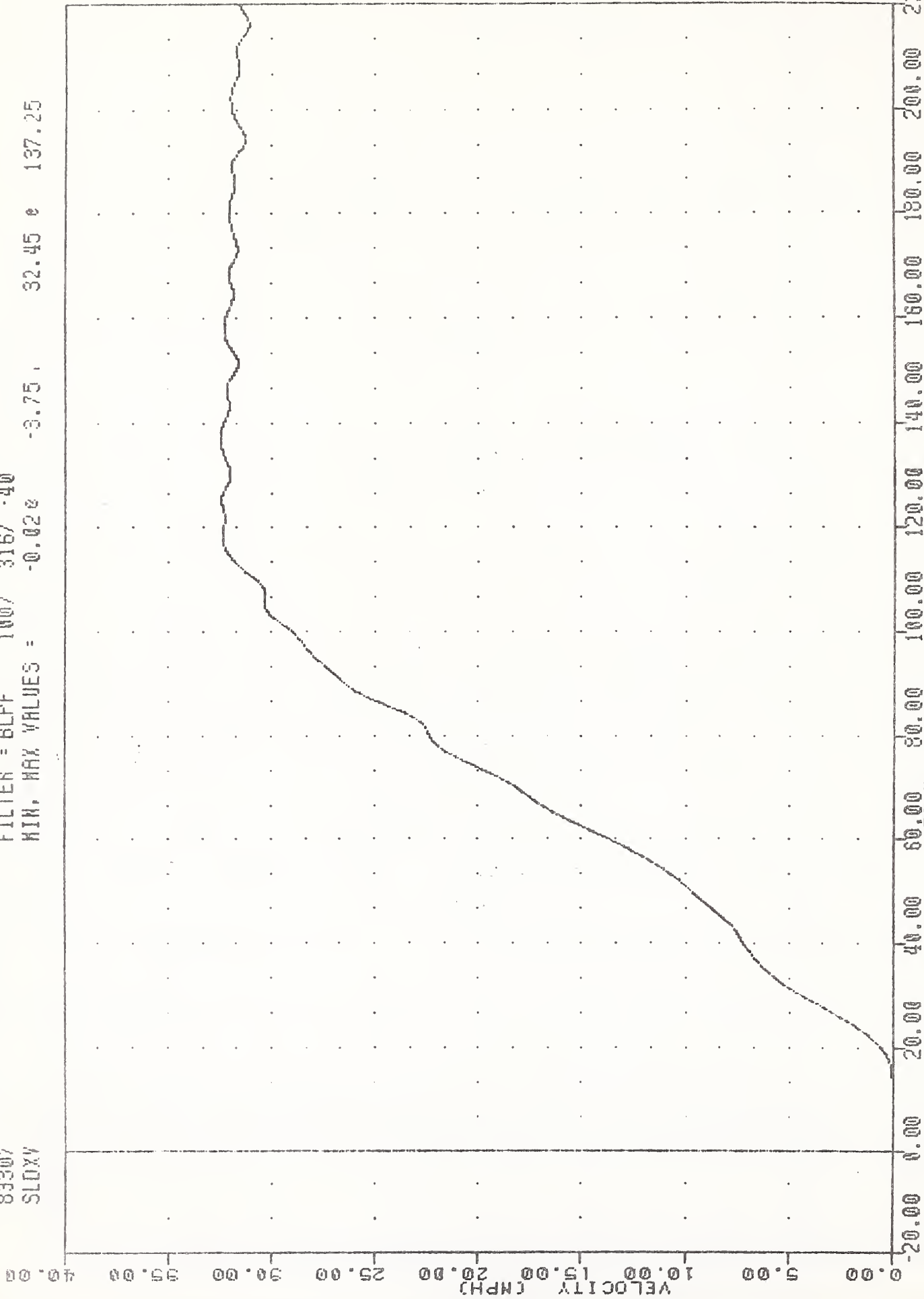


AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED CLEN VELOCITY

WATC , R0583-2-19  
AIRBAG DEMONSTRATION PROGRAM  
83307  
SLOWX

PLOT DATE 3-NOV-83 15:27:55

FILTER = BLFF 100/ 316/ -40  
MIN, MAX VALUES = -0.02e -3.75 , 32.45 e 137.25

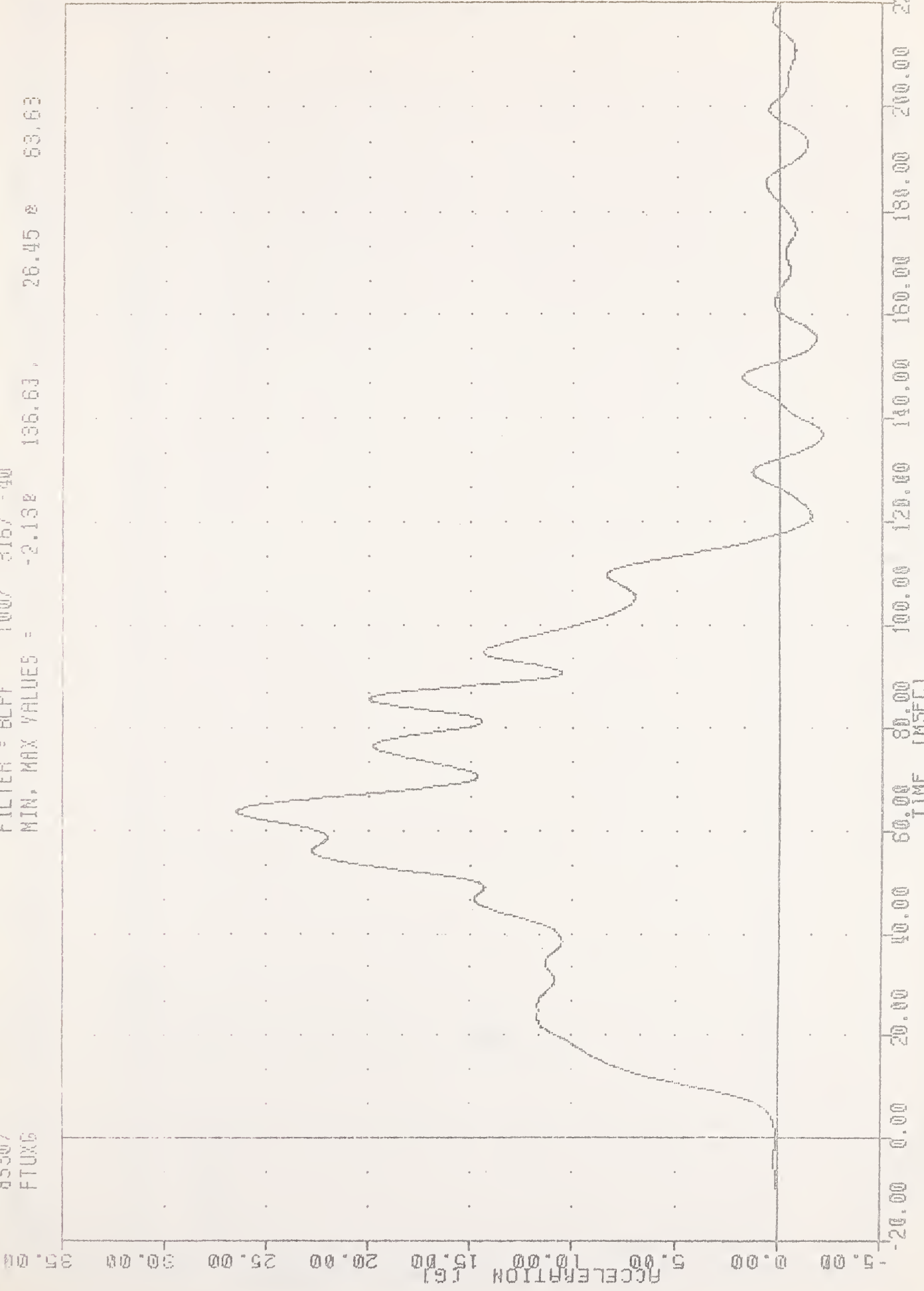


AIRBAG DEMONSTRATION PROGRAM  
SIFD VFI NTY

VRTC , R0583-2-19  
AIRBAG DEMONSTRATION PROGRAM  
83307  
FTUX6

PLOT DATE 3-NOV-83 15:27:55

FILTER = BLPF 100/ 316/ -40  
MIN. MAX VALUES = -2.13E 136.63 , 26.45 E 63.63



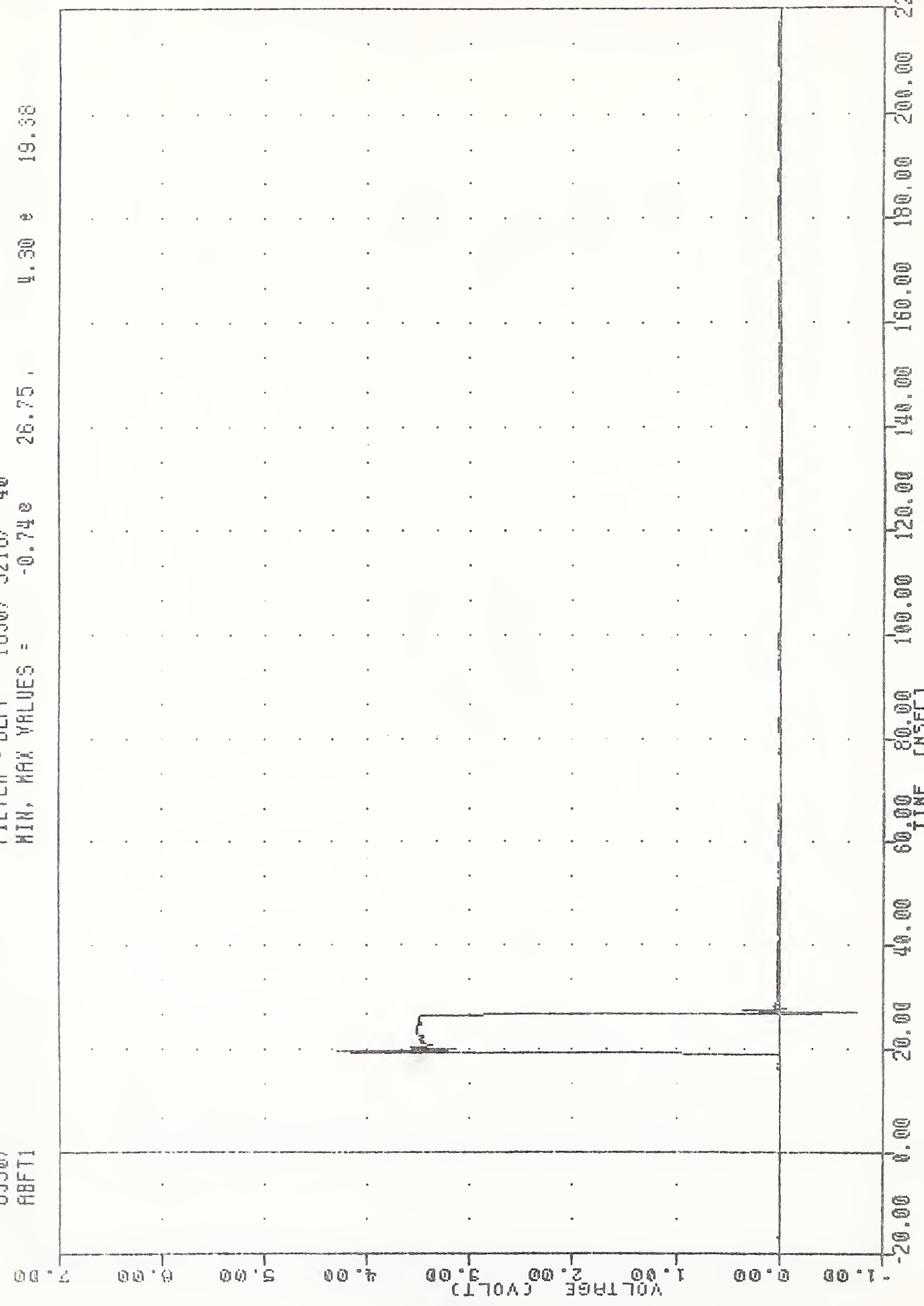
AIRBAG DEMONSTRATION PROGRAM  
FINNA PAN TIINMI ACCIFFRATION



YRTC , RD583-2-19  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 ABFT1

PLOT DATE 3-NOV-83 15:27:55

FILTER = BLPF 1650/ 5218/ -40  
 MIN, MAX VALUES = -0.74e 26.75, 4.30e 19.38

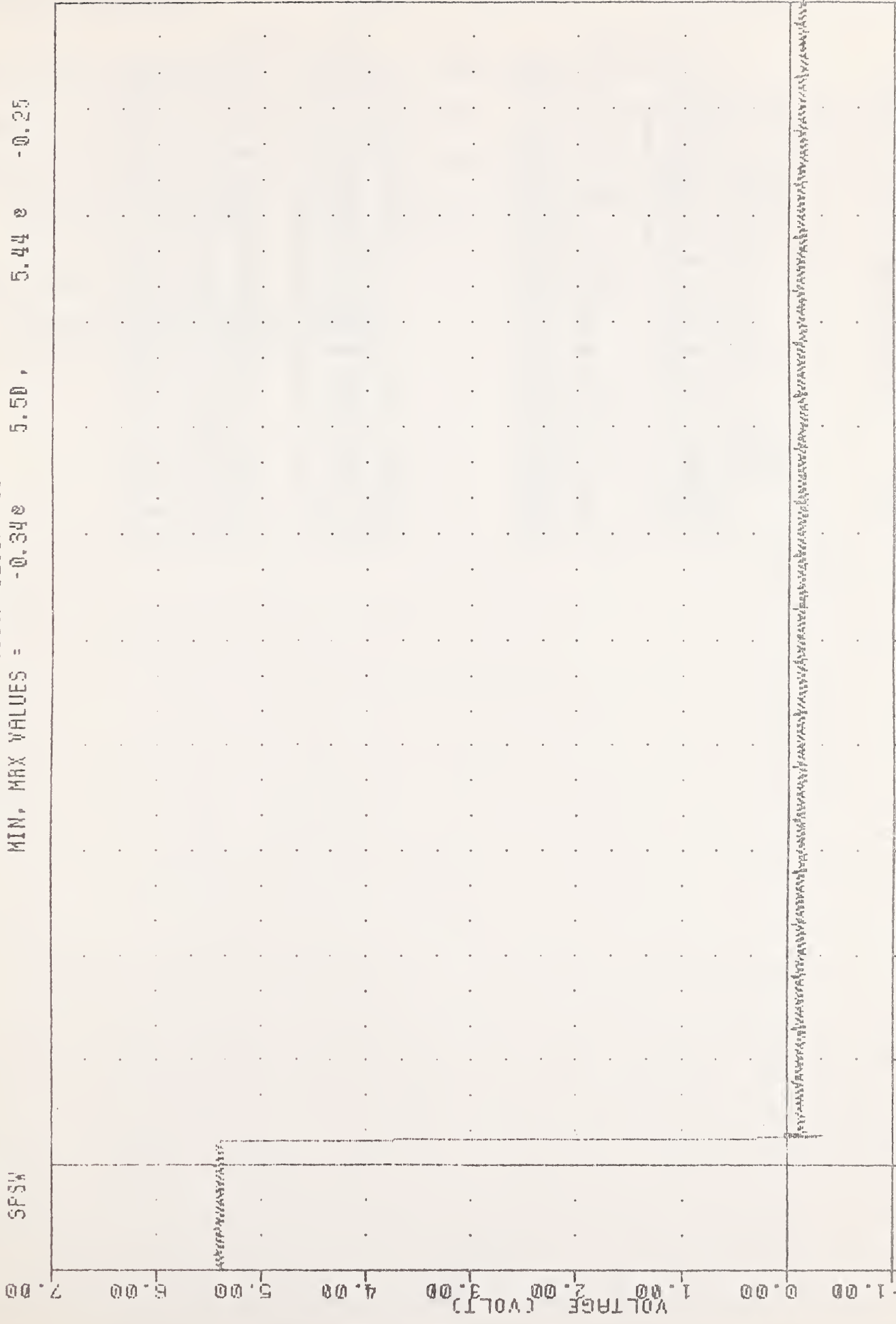


AIRBAG DEMONSTRATION PROGRAM  
 AIR BAG FIRING EVENT HYBRID III

VRTC  
 AIRBAG DEMONSTRATION PROGRAM  
 83307  
 SFSW

PLOT DATE 3-NOV-83 15:27:55

FILTER = BLPF 1650/ 5218/ -40  
 MIN, MAX VALUES = -0.34e 5.50, 5.44 e -0.25



-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  
 AIRBAG DEMONSTRATION PROGRAM  
 SLED POSITION SWITCH

		Min value		Max value		Uni
1	SPSW	-1.229 @	4.750	5.442 @	-22.125 msec	volt
2	SLDXGC	-1.308 @	123.375	23.300 @	57.250 msec	g
3	SLDXVC	-0.005 @	-13.875	33.447 @	119.750 msec	mph
4	SLDXV	-0.068 @	-20.500	32.539 @	124.375 msec	mph
5	FTUXG	-2.661 @	117.000	27.985 @	60.000 msec	g
6	HEDXG1	-103.068 @	90.125	27.001 @	248.875 msec	g
7	HEDXV1	-34.718 @	240.375	1.848 @	81.500 msec	mph
8	HEDYG1	-49.451 @	91.125	12.652 @	90.500 msec	g
9	HEDZG1	-135.326 @	90.125	386.594 @	90.875 msec	g
0	CSTXG1	-68.489 @	115.250	3.470 @	201.500 msec	g
1	CSTXV1	-37.054 @	151.500	0.014 @	35.625 msec	mph
2	CSTYG1	-3.816 @	125.875	4.189 @	84.250 msec	g
3	CSTZG1	-22.266 @	98.375	15.897 @	77.250 msec	g
4	PEVXG1	-78.592 @	76.625	2.890 @	300.000 msec	g
5	PEVYG1	-28.717 @	83.625	21.877 @	74.750 msec	g
6	PEVZG1	-9.367 @	140.625	25.384 @	83.625 msec	g
7	CSTXD	-0.014 @	63.500	1.522 @	117.250 msec	in
8	LFMF1	-1992.031 @	83.375	103.155 @	113.500 msec	lb
9	RFMF1	-2754.881 @	73.625	61.027 @	140.125 msec	lb
0	HEDRG1	0.036 @	-24.250	388.520 @	90.875 msec	g
1	CSTRG1	0.000 @	-2.250	70.133 @	115.125 msec	g
2	PEVRG1	0.011 @	-15.750	82.800 @	76.625 msec	g

\* \* \* HIC computation for TRC231I 4-NOV-83 13:55:35

HEDRG1 VRTC RD583-2-20 83308 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 388.52 @ 90.875

HIC = 2401.44 Interval from 90.625 [ 926] to 91.875 [ 936]

Elapsed time = 9.74 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

VRTC , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83308  
HE0261

PLOT DATE 4-NOV-83 14:37:00

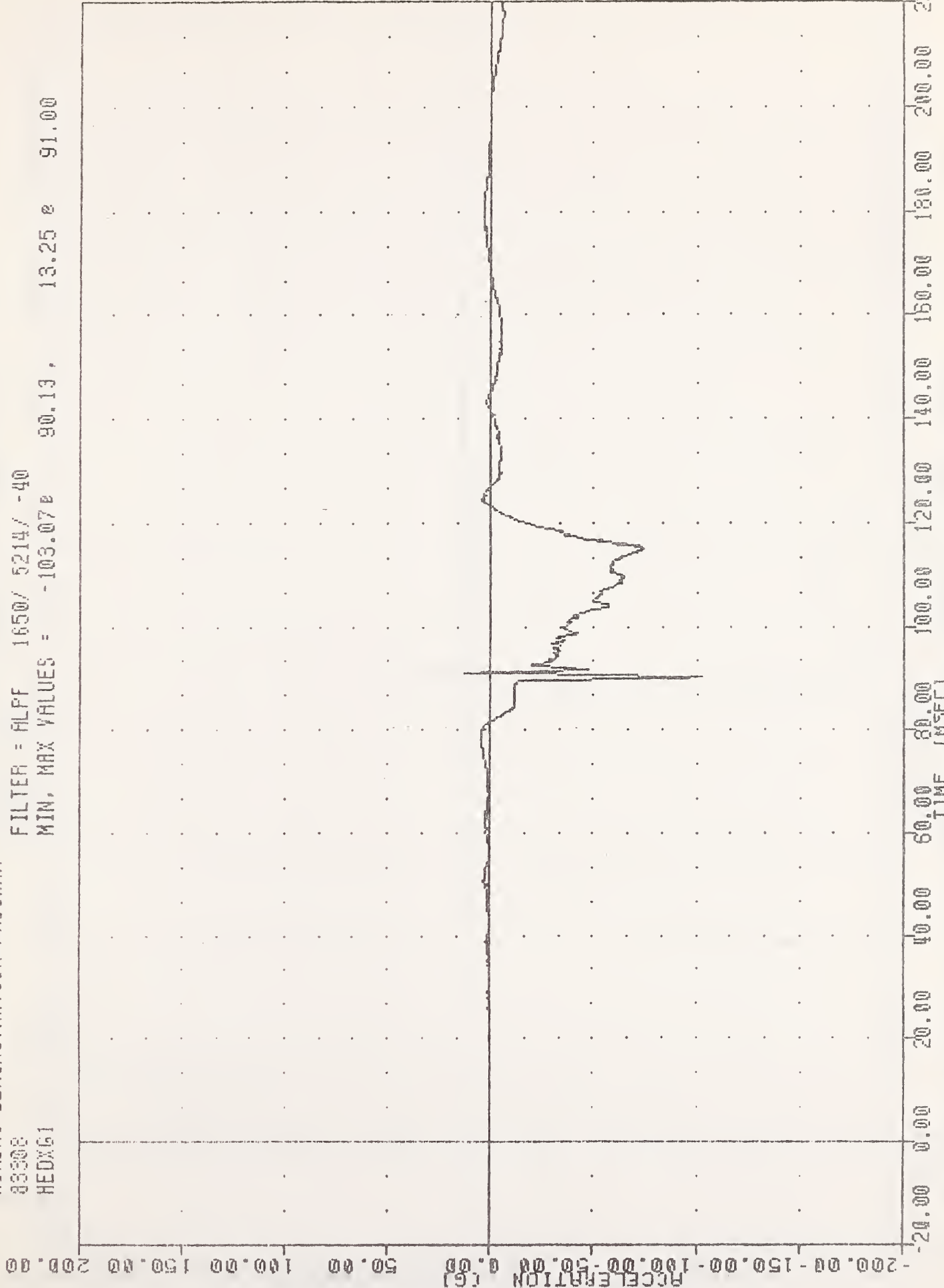
FILTER = ALFF 1650/ 5214/ -40  
MIN, MAX VALUES = -135.33 90.13 , 366.59 90.88



AIRBAG DEMONSTRATION PROGRAM  
MEAN ACCELERATION 7 AVG 5MTH PERCENTILE

WRTC , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
03308  
HEDX61

PLOT DATE 4-NOV-83 13:50:51  
FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -103.07E 90.13, 13.25 e 91.00



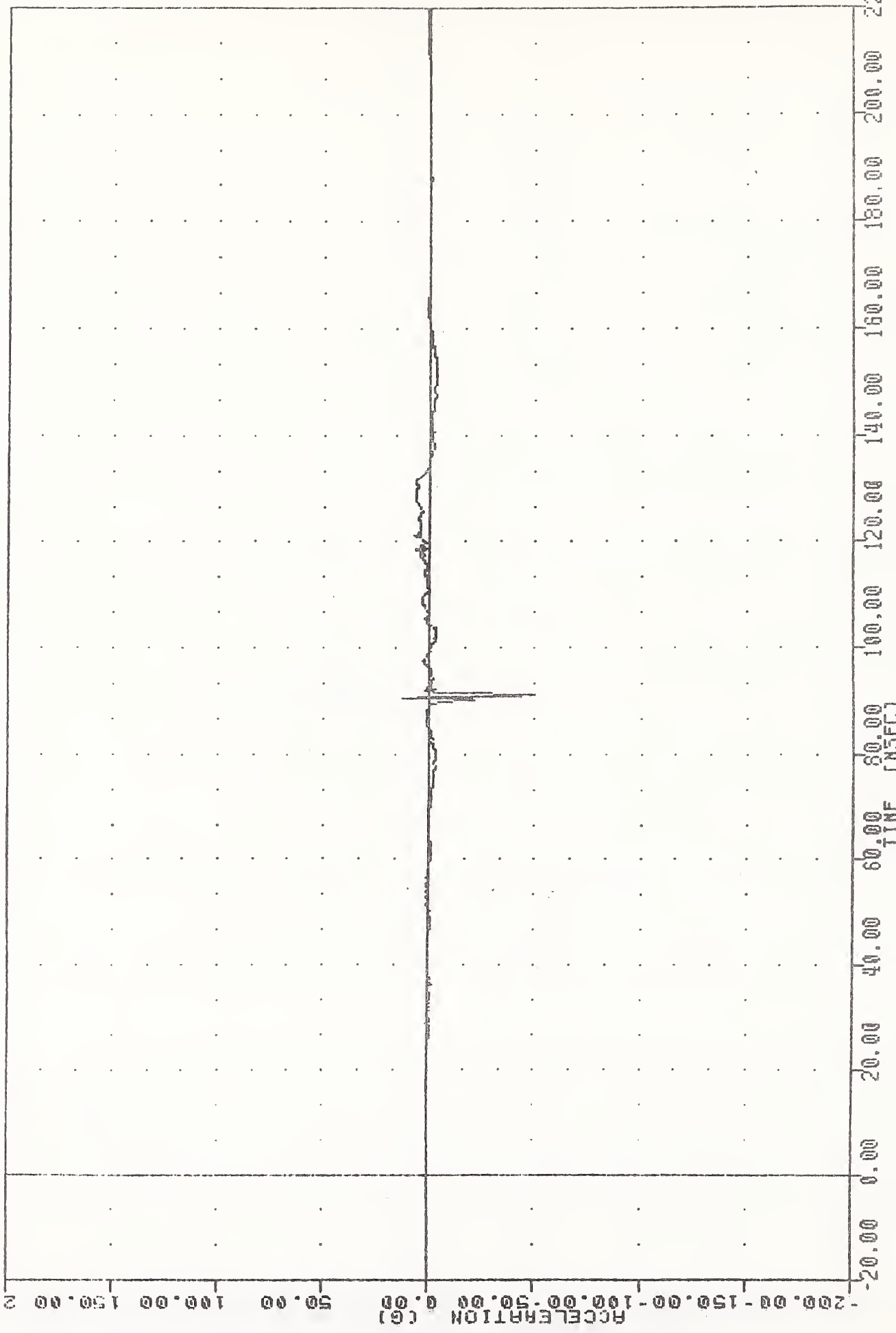
AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Y AXIS 50TH PERCENTILE



YATC , RD583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83308  
HEDY61

PLOT DATE 4-NOV-83 13:50:51

FILTER = ALPF 1650/ 5214/ .40  
MIN, MAX VALUES = -48.45e 91.13, 12.65 e 90.50



AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Y AXIS 50TH PERCENTILE



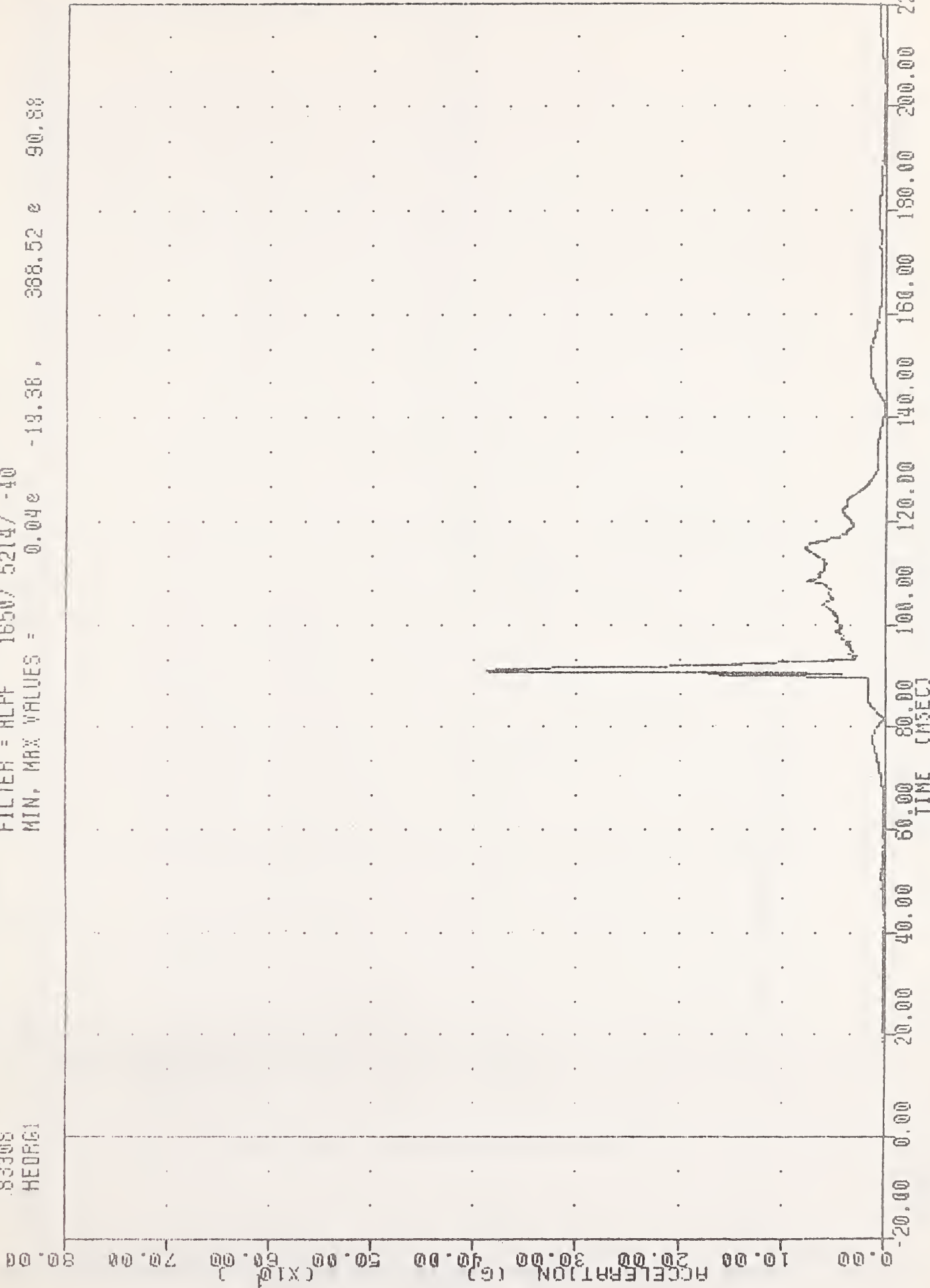
PLOT DATE 4-NOV-83 14:37:00

FILTER = HLFF 1650/ 5214/ -40

MIN, MAX VALUES = 0.04e -13.38, 388.52 e 90.88

V81C , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM

83308  
HEORC1



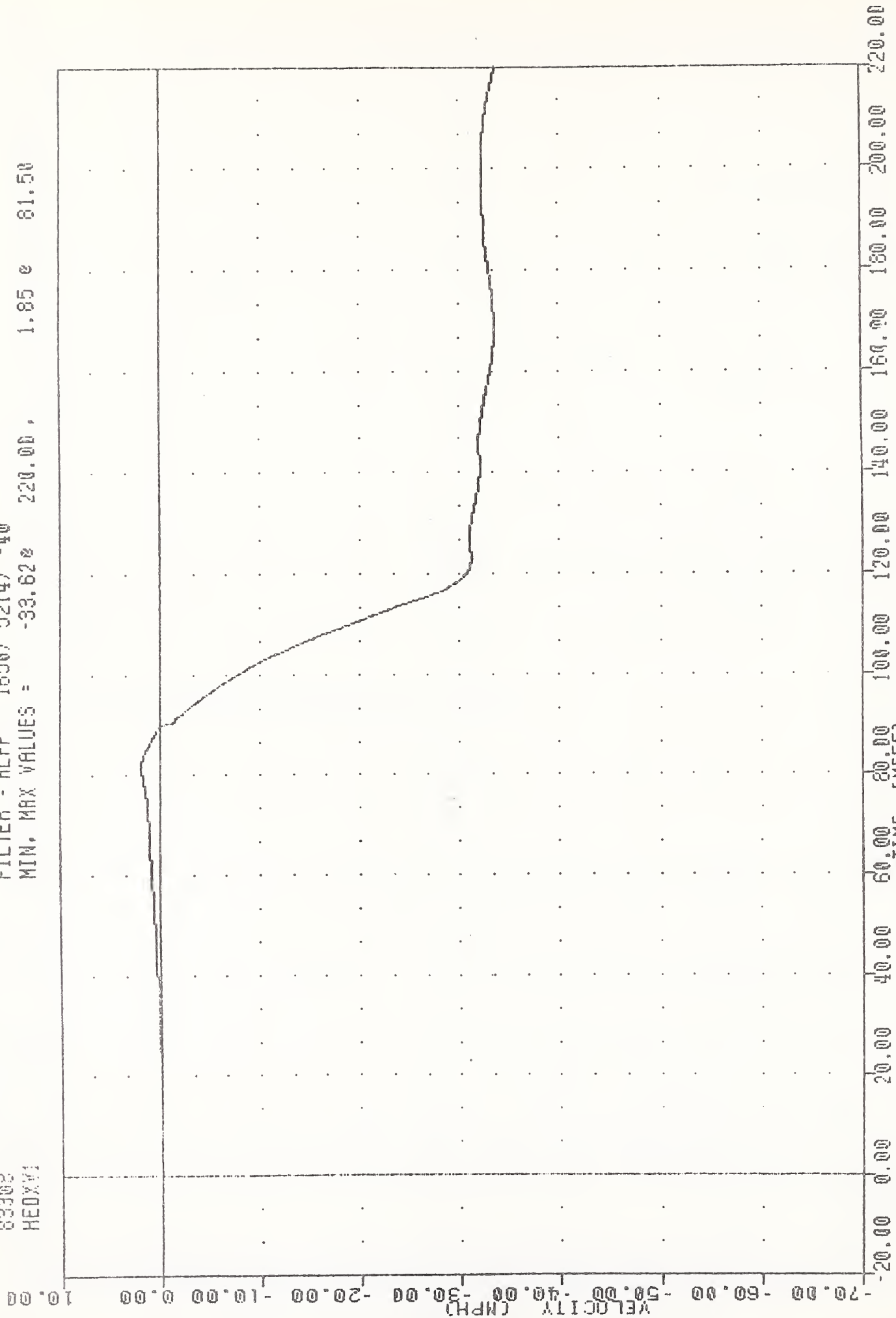
AIRBAG DEMONSTRATION PROGRAM

HFAN RESIII TANT ACCELERATION 5MTH PERCENTIF

VRTC , RD583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83302  
HEADY1

PLOT DATE 4-NOV-83 13:50:51

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -33.62 220.00 , 1.85 e 81.50

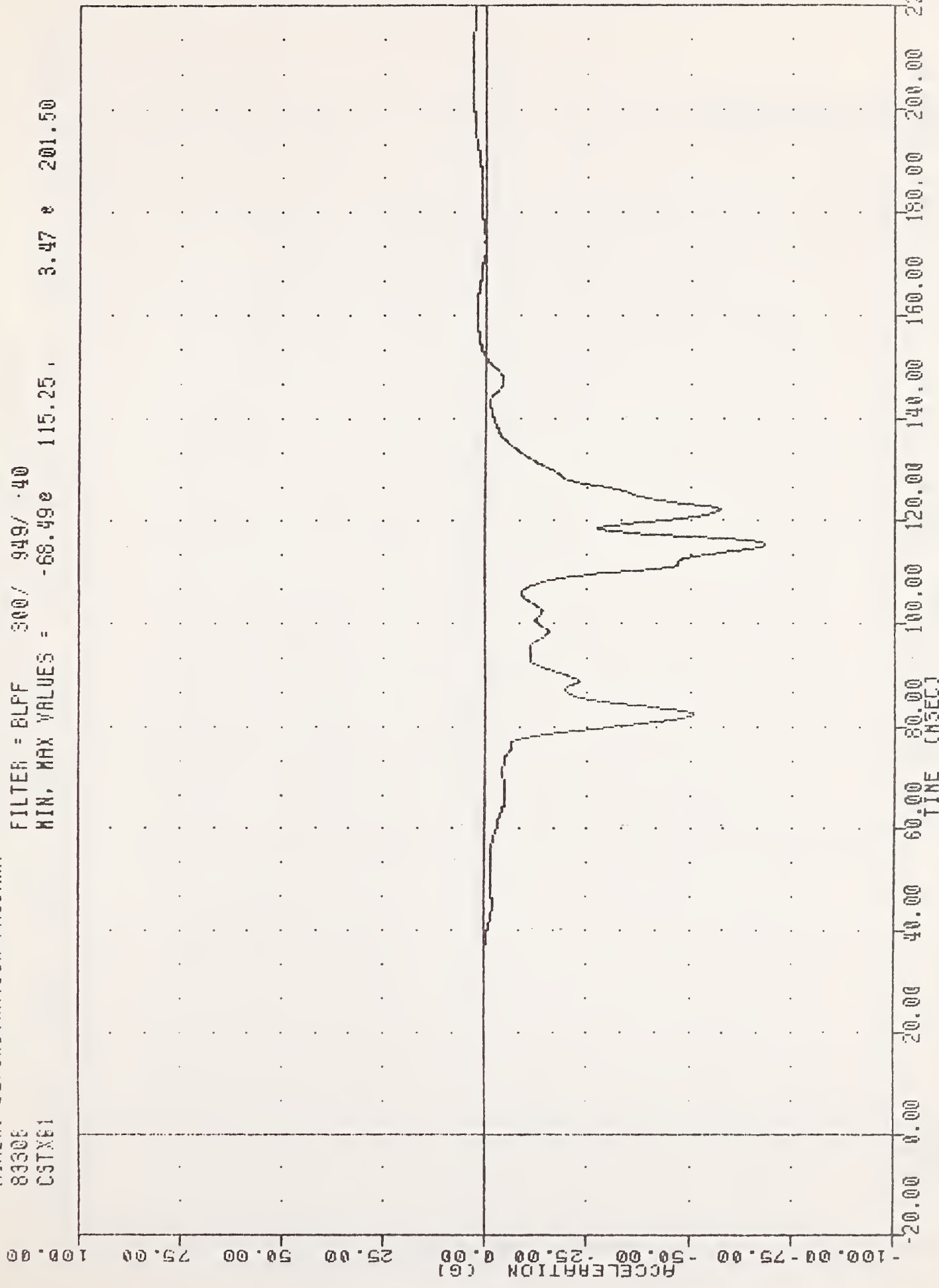


AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY V AVTS 50TH PERCENTILE

WRTC , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83308  
CSTX81

PLOT DATE 4-NOV-83 13:50:51

FILTER = BLFF 300/ 949/ .40  
MIN. MAX VALUES = -68.49e 115.25 , 3.47 e 201.50



AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 50TH PERCENTILE

WRTC 80583-2-20 4-NOV-83 13:50:51

AIRBAG DEMONSTRATION PROGRAM

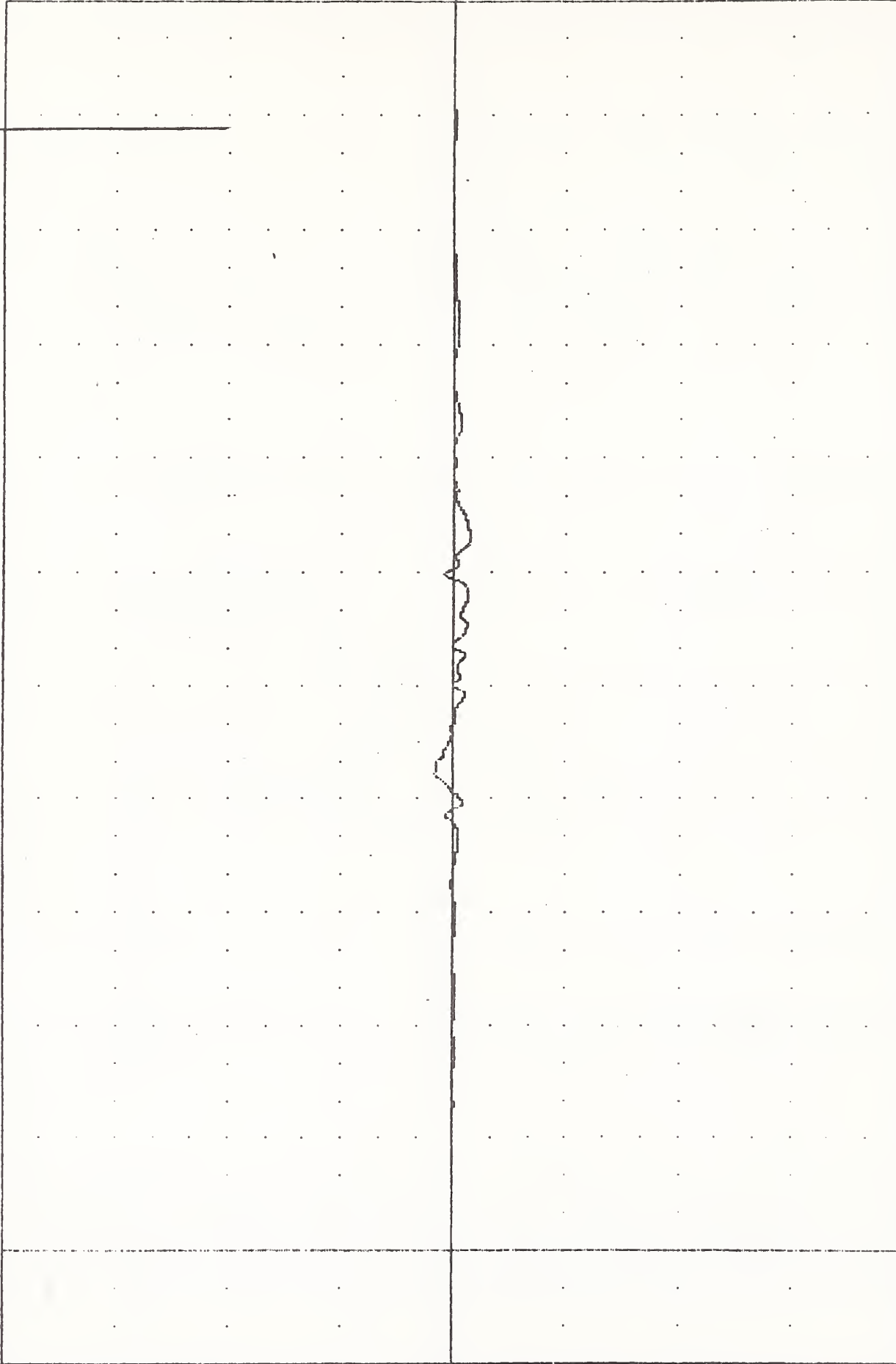
83306

CSTY61

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = -3.82% 125.88, 4.19% 84.25

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

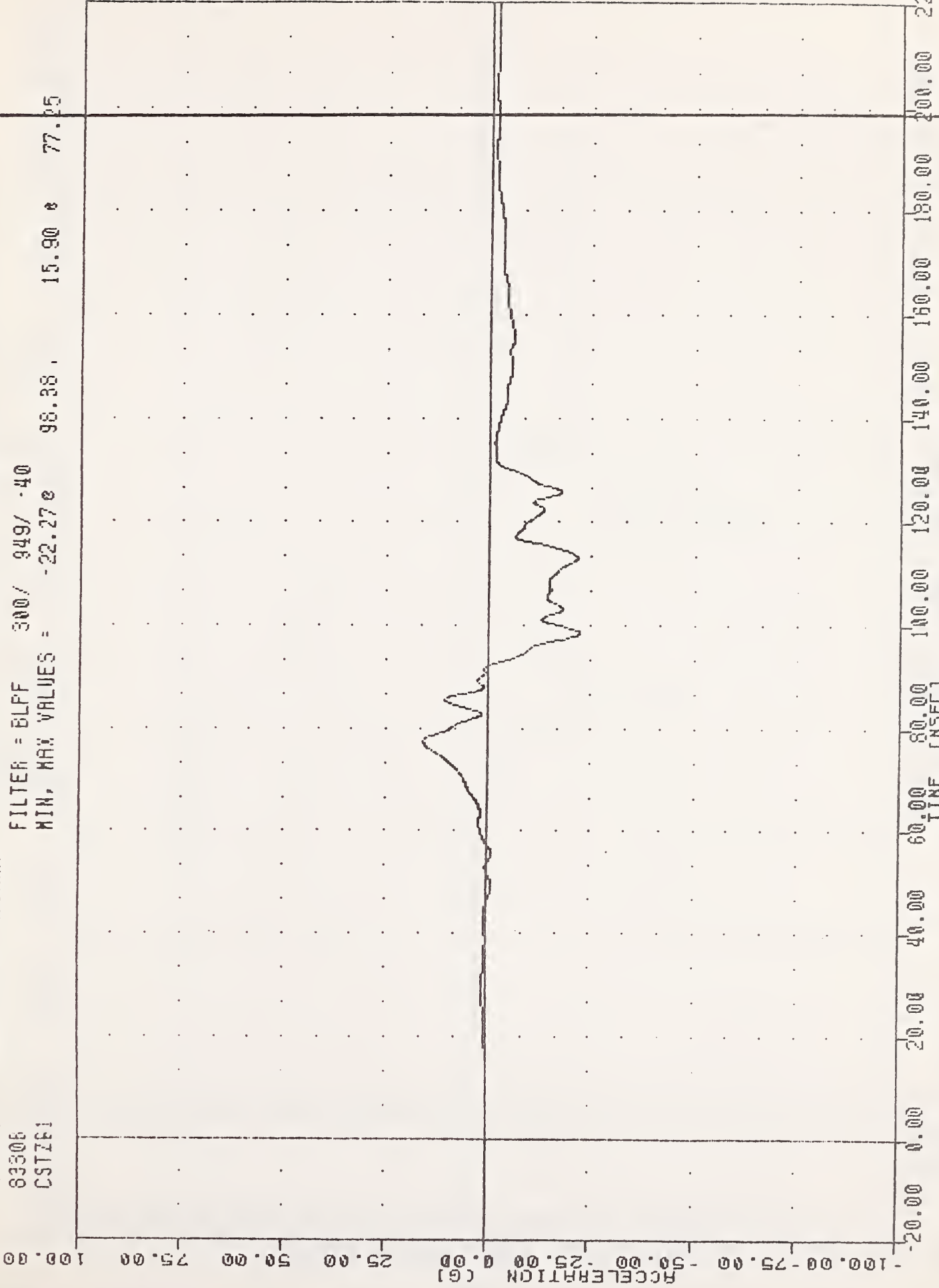
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

VRTO , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83306  
CSTZ61

PLOT DATE 4-NOV-83 13:50:51

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -22.27e 98.38, 15.90e 77.25

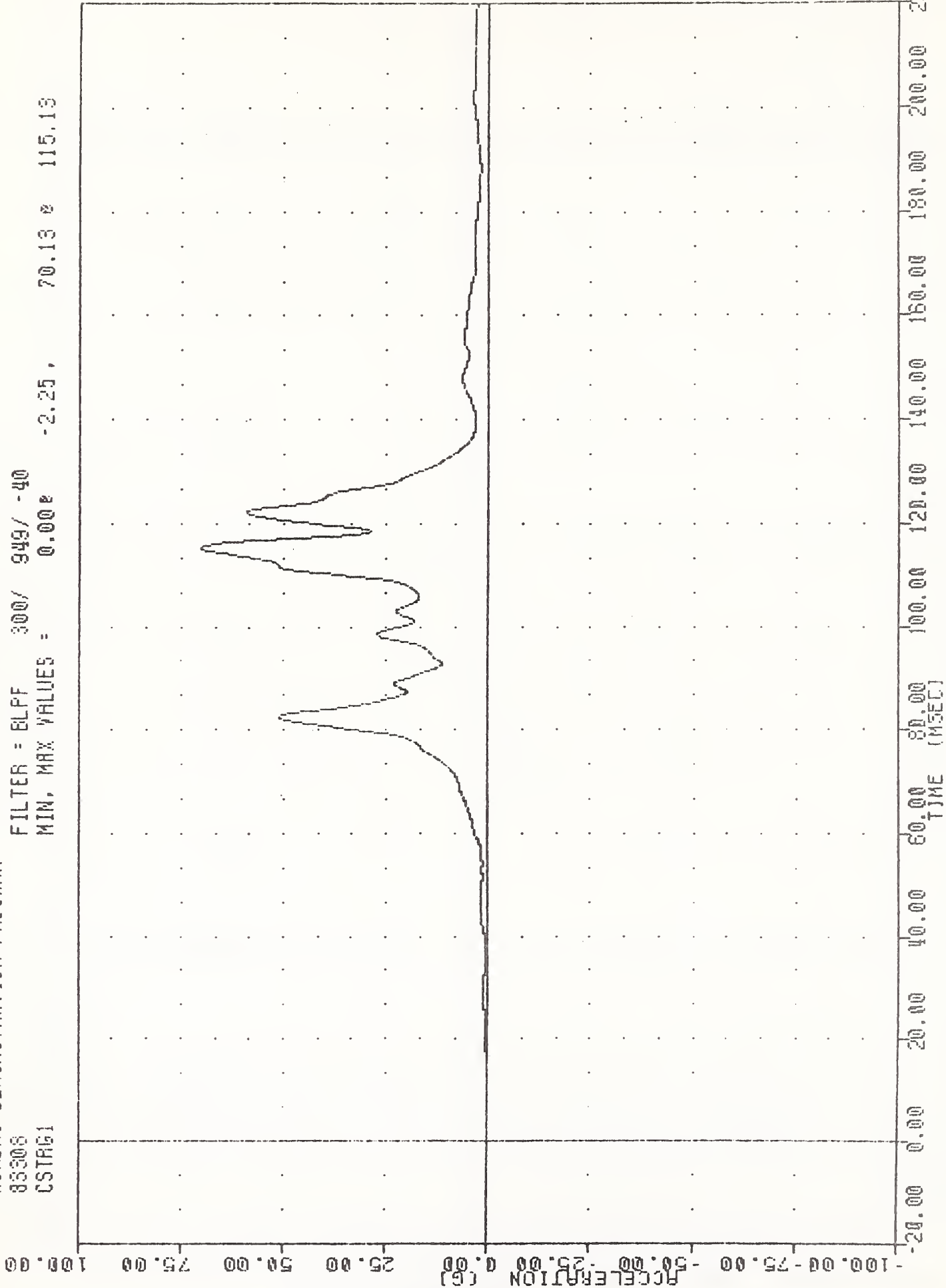


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION 7 AXIS 50TH PERCENTILE

VRTC , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
85308  
CSTAG1

PLDT DATE 4-NOV-83 13:50:51

FILTER = ELPF 300/ 949/ -40  
MIN, MAX VALUES = 0.00e -2.25, 70.13 e 115.13



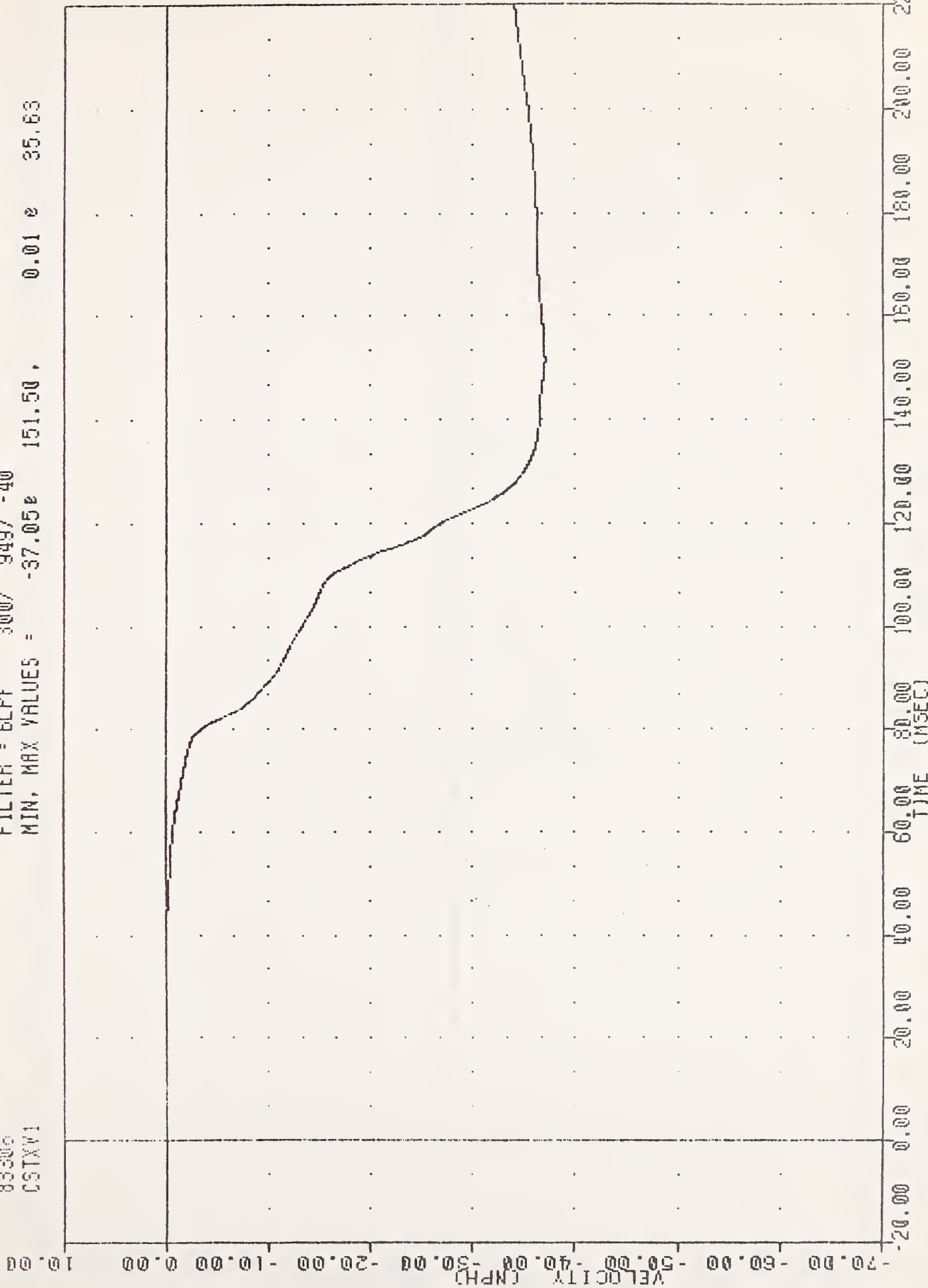
AIRBAG DEMONSTRATION PROGRAM  
CHEST RESULTANT ACCELERATION 50TH PERCENTILE



NRTC , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83306  
CSTXV1

PLOT DATE 4-NOV-83 13:50:51

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -37.05e 151.50 , 0.01 e 35.63



AIRBAG DEMONSTRATION PROGRAM

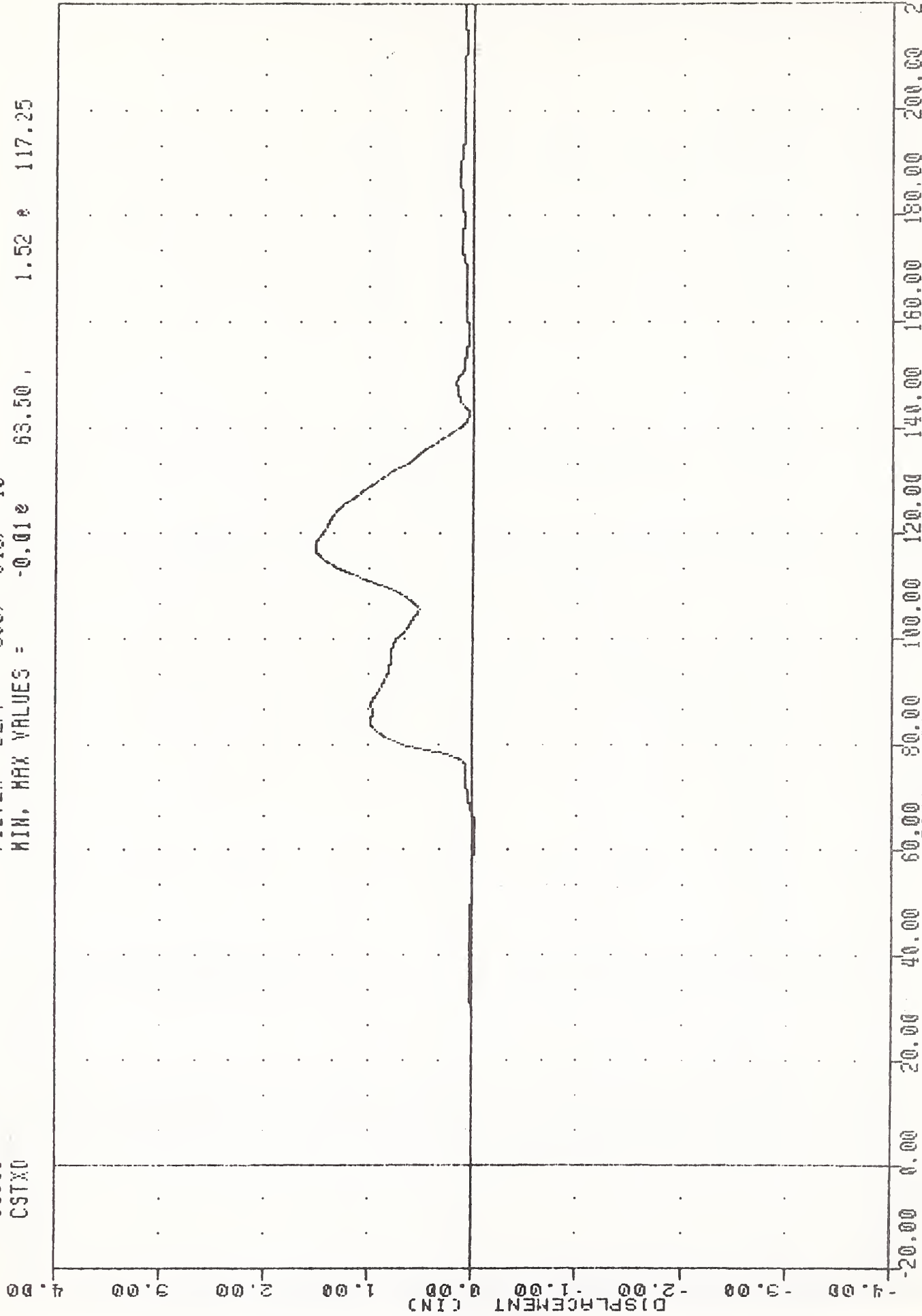
QUEST INSTRUMENTS AND ELECTRONICS



WATC , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83308  
CSTXD

PLOT DATE 4-NOV-83 13:50:51

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -0.01e 63.50, 1.52 e 117.25

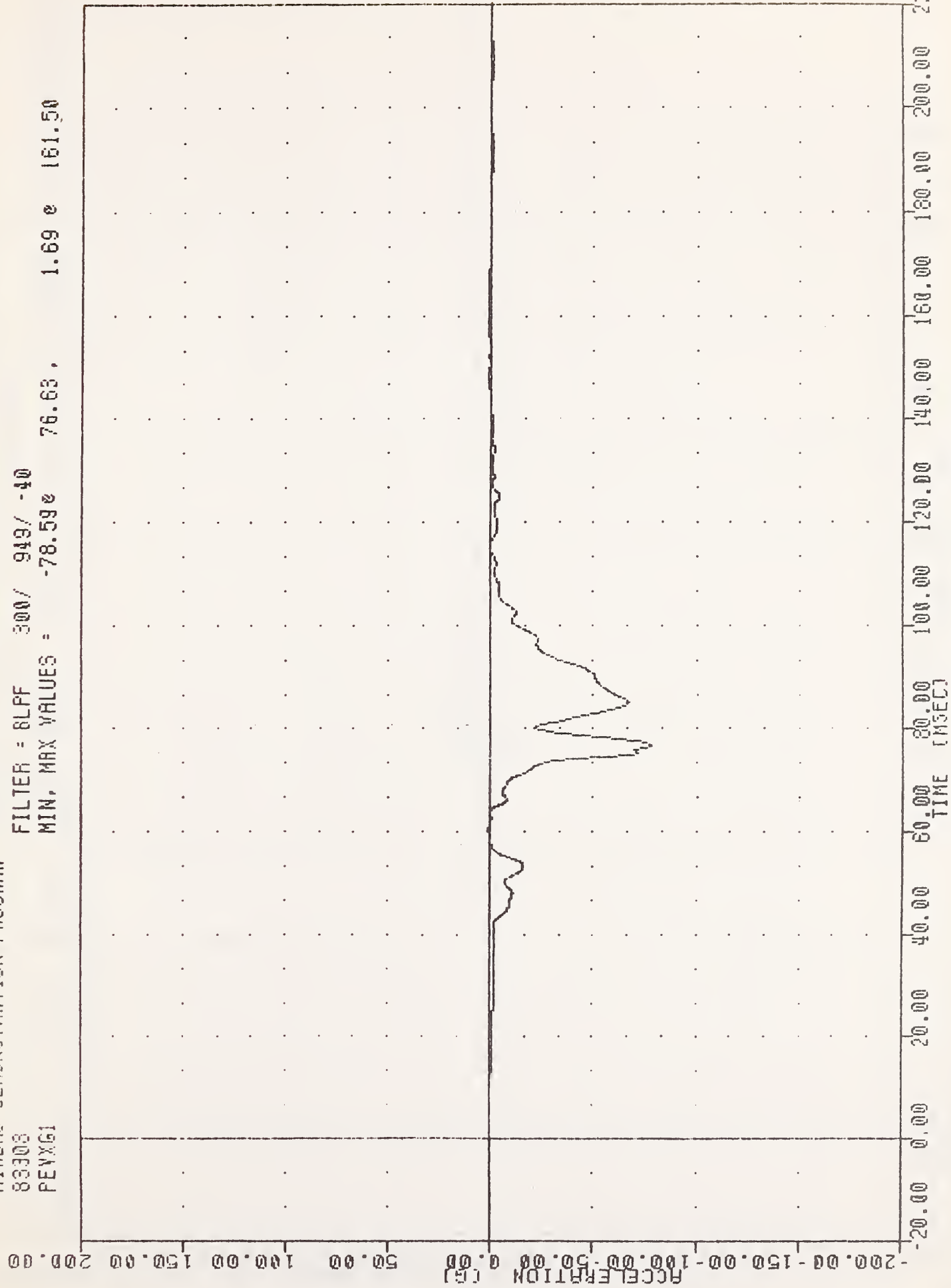


AIRBAG DEMONSTRATION PROGRAM  
CHECK DISPLACEMENT RATE DIRECTION

VRTC , RD503-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83303  
PEYXG1

PLOT DATE 4-NOV-83 13:50:51

FILTER = 8LPF 300/ 949/ -40  
MIN, MAX VALUES = -78.59e 76.63, 1.69 e 161.50

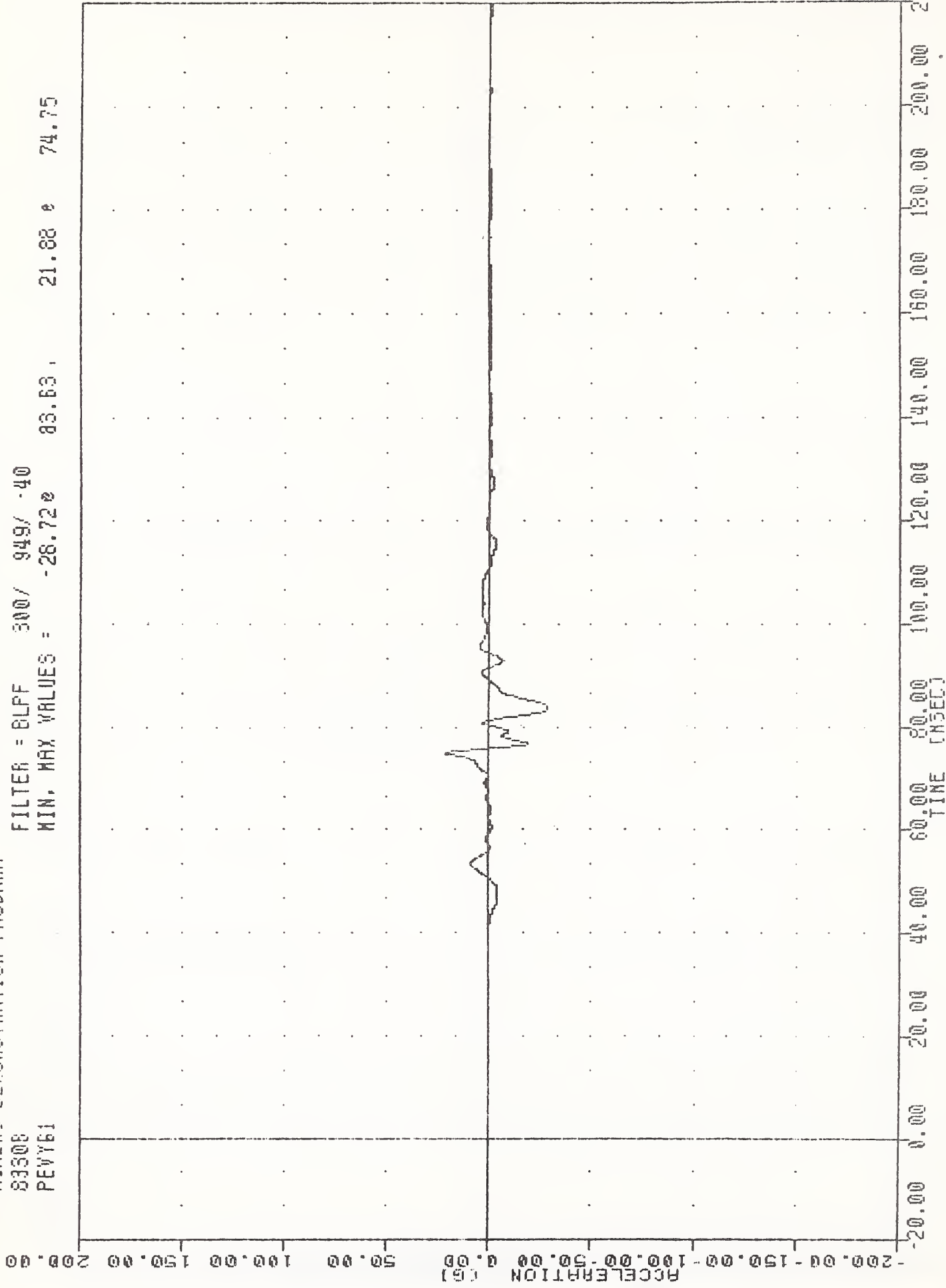


AIRBAG DEMONSTRATION PROGRAM  
PFI V15 ACCELERATION Y AXIS 50TH PERCENTILE

VATC , RD583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83308  
PEVY61

PLOT DATE 4-NOV-83 13:50:51

FILTER = BLFF 300/ 949/ -40  
MIN. MAX VALUES = -28.72e 83.63, 21.88 e 74.75

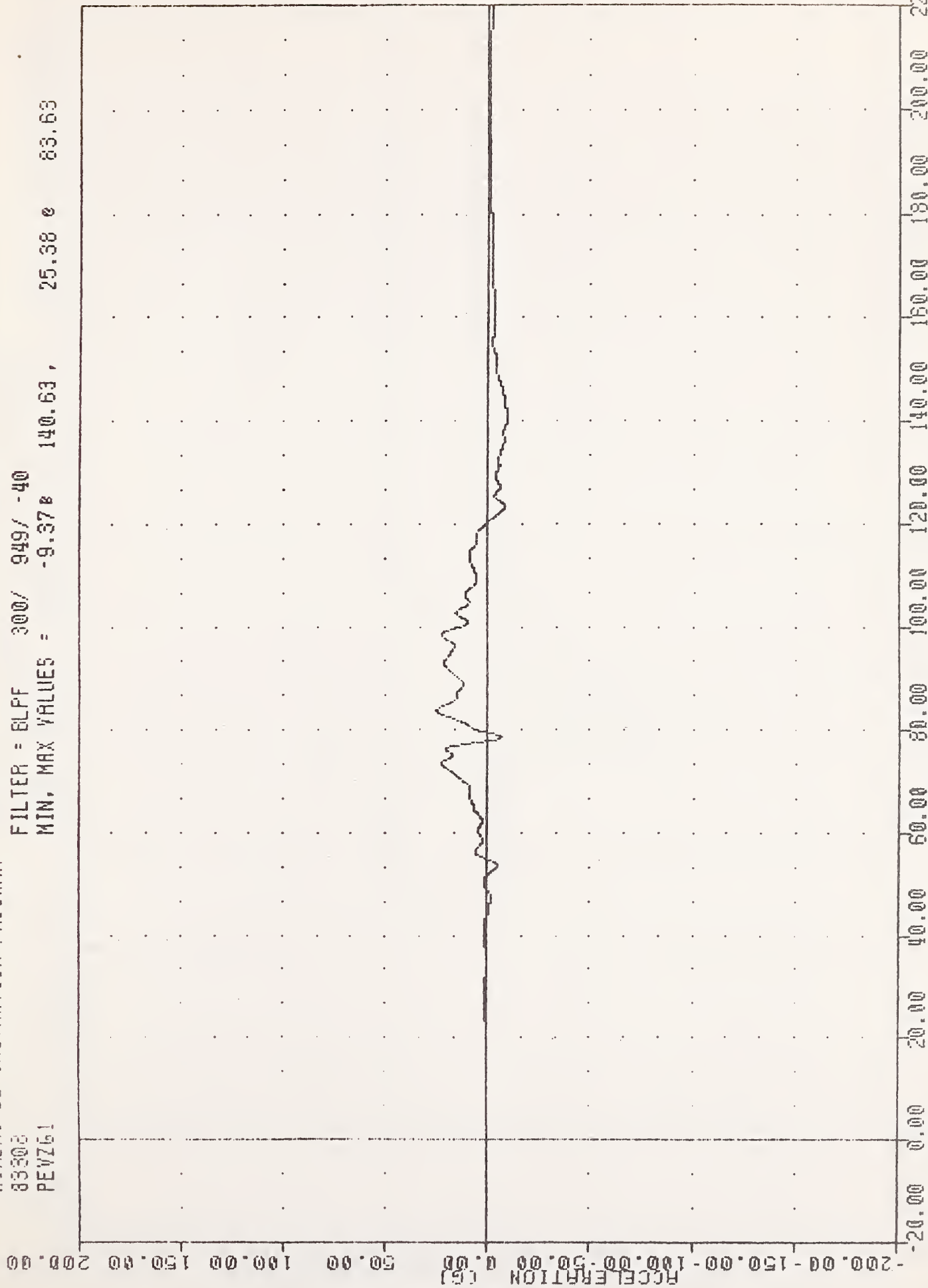


AIRBAG DEMONSTRATION PROGRAM  
PFI VTS ACCELERATION Y AXIS 50TH PERCENTILE

VATIC , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83303  
PEVZ61

PLOT DATE 4-NOV-83 13:50:51

FILTER = 6LFF 300/ 949/ -40  
MIN, MAX VALUES = -9.378 140.63, 25.38 e 83.63



AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION 7 AXIS 50TH PERCENTILE

YRTC . R0583-2-20 PLOT DATE 4-NOV-83 13:50:51

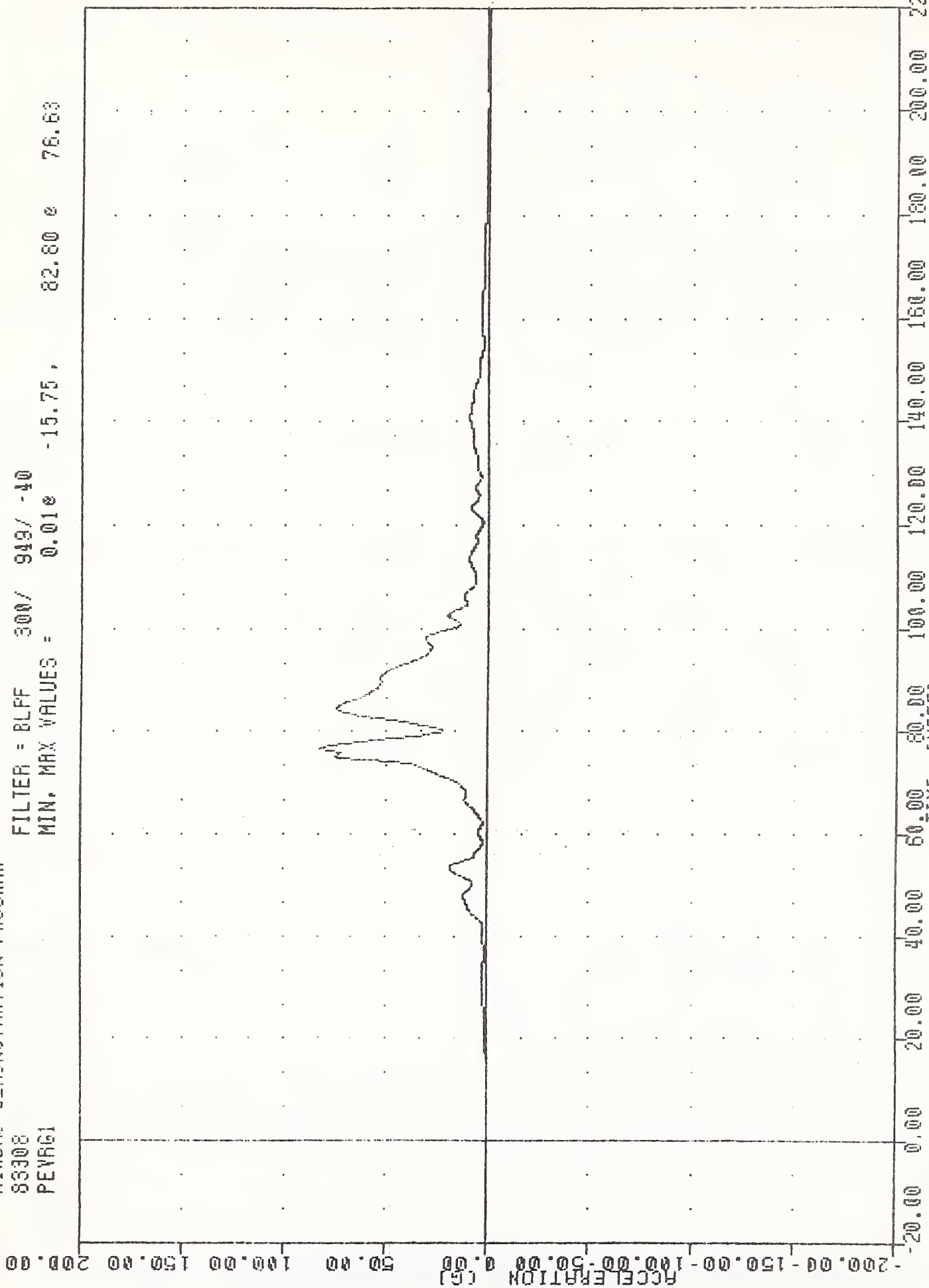
AIRBAG DEMONSTRATION PROGRAM

83308

FILTER = BLPF 300/ 919/ -10

PEVRG1

MIN. MAX VALUES = 0.01e -15.75, 82.80 e 76.63

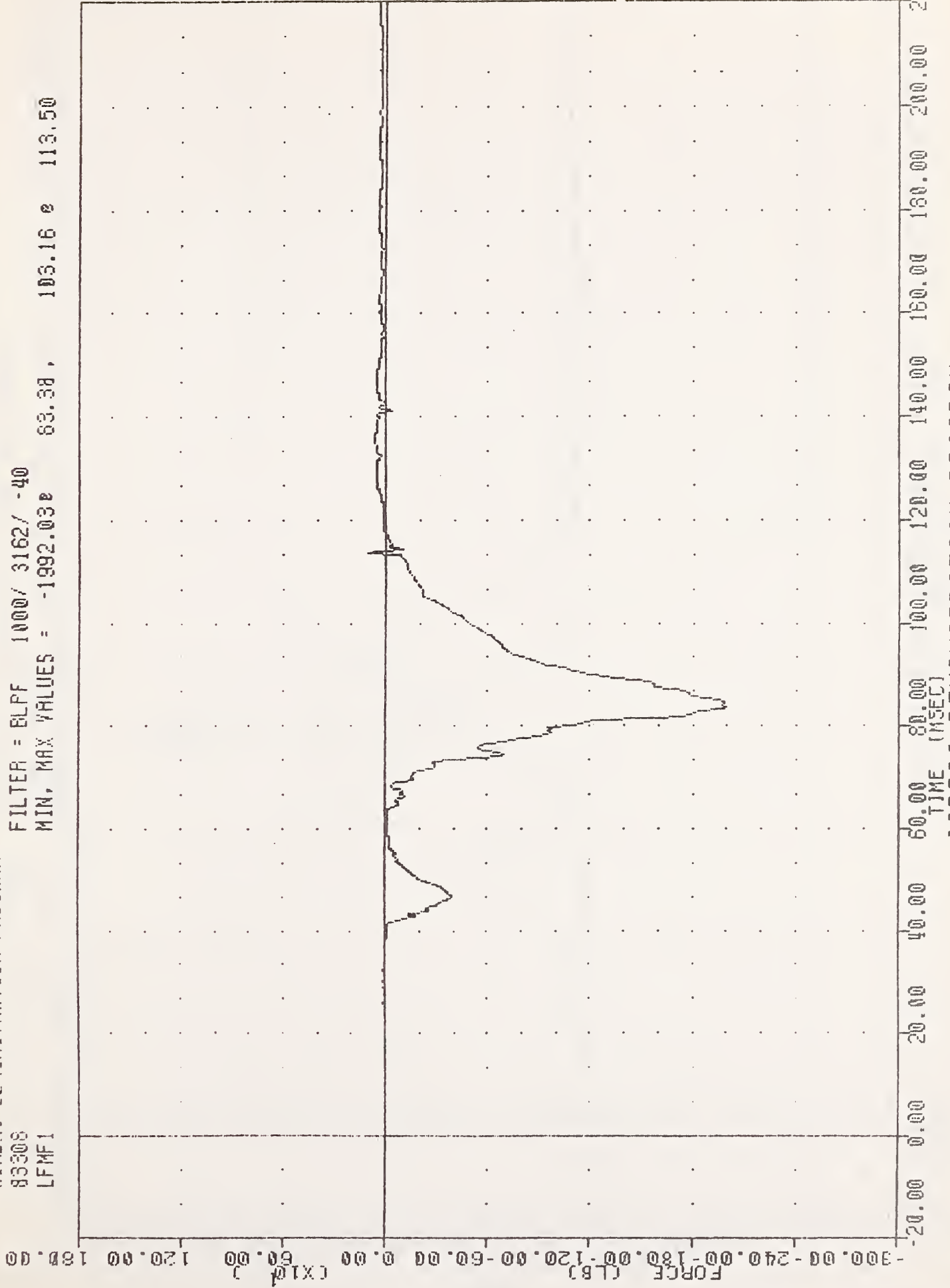


AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

VRIC , R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83309  
LFMFI

PLOT DATE 4-NOV-83 13:50:51

FILTER = BLPF 1000/ 3162/ -40  
MIN, MAX VALUES = -1992.03e 83.38 , 103.16 e 113.50



AIRBAG DEMONSTRATION PROGRAM

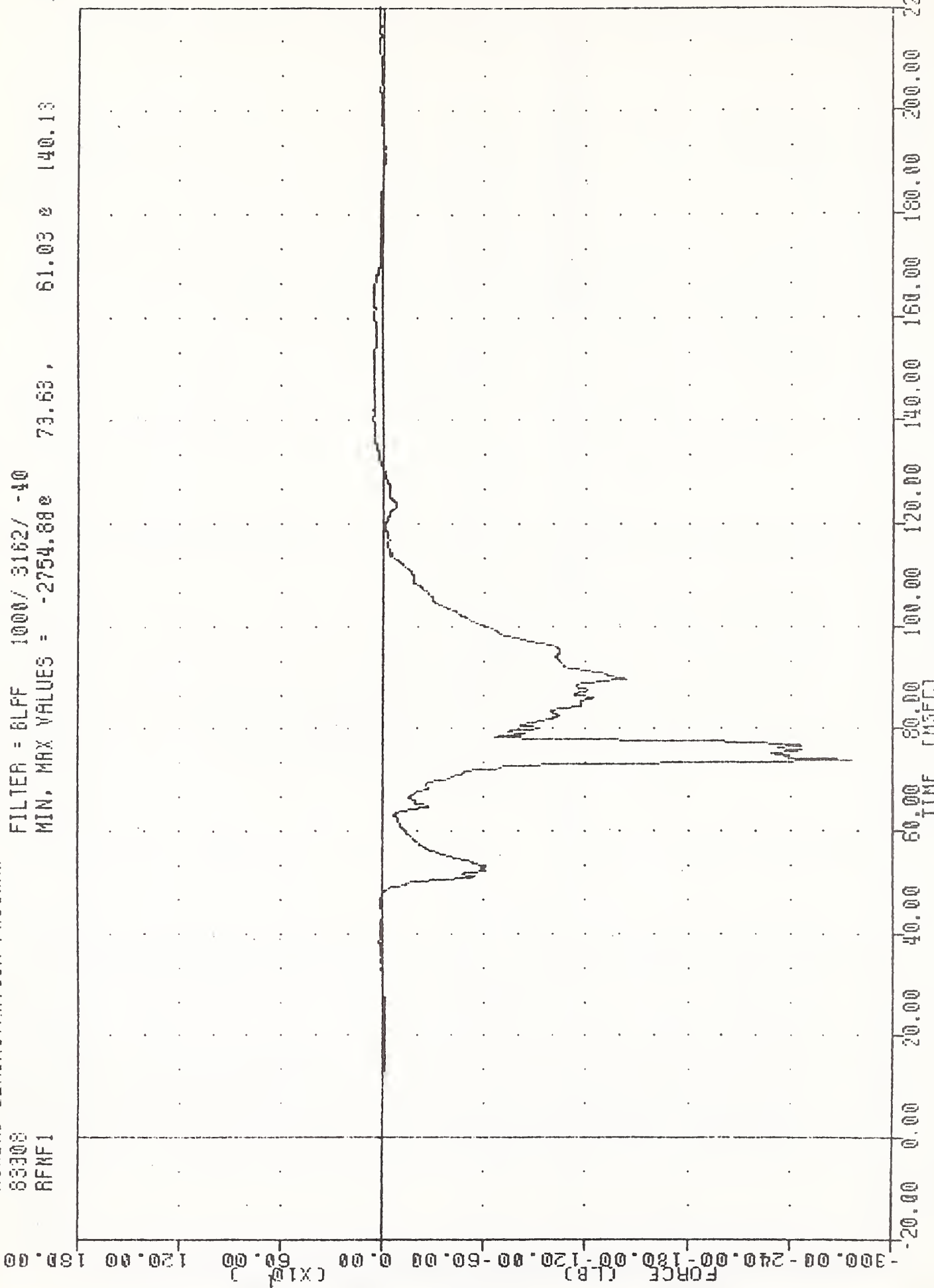
IFFT FFMIR FORCE IM IRS 5ATH PERCENTIF



VRTC , RD583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83308  
RFNF1

PLOT DATE 4-NOV-83 13:50:51

FILTER = 6LFF 1000/ 3162/ -40  
MIN. MAX VALUES = -2754.88e 73.63, 61.03 e 140.13



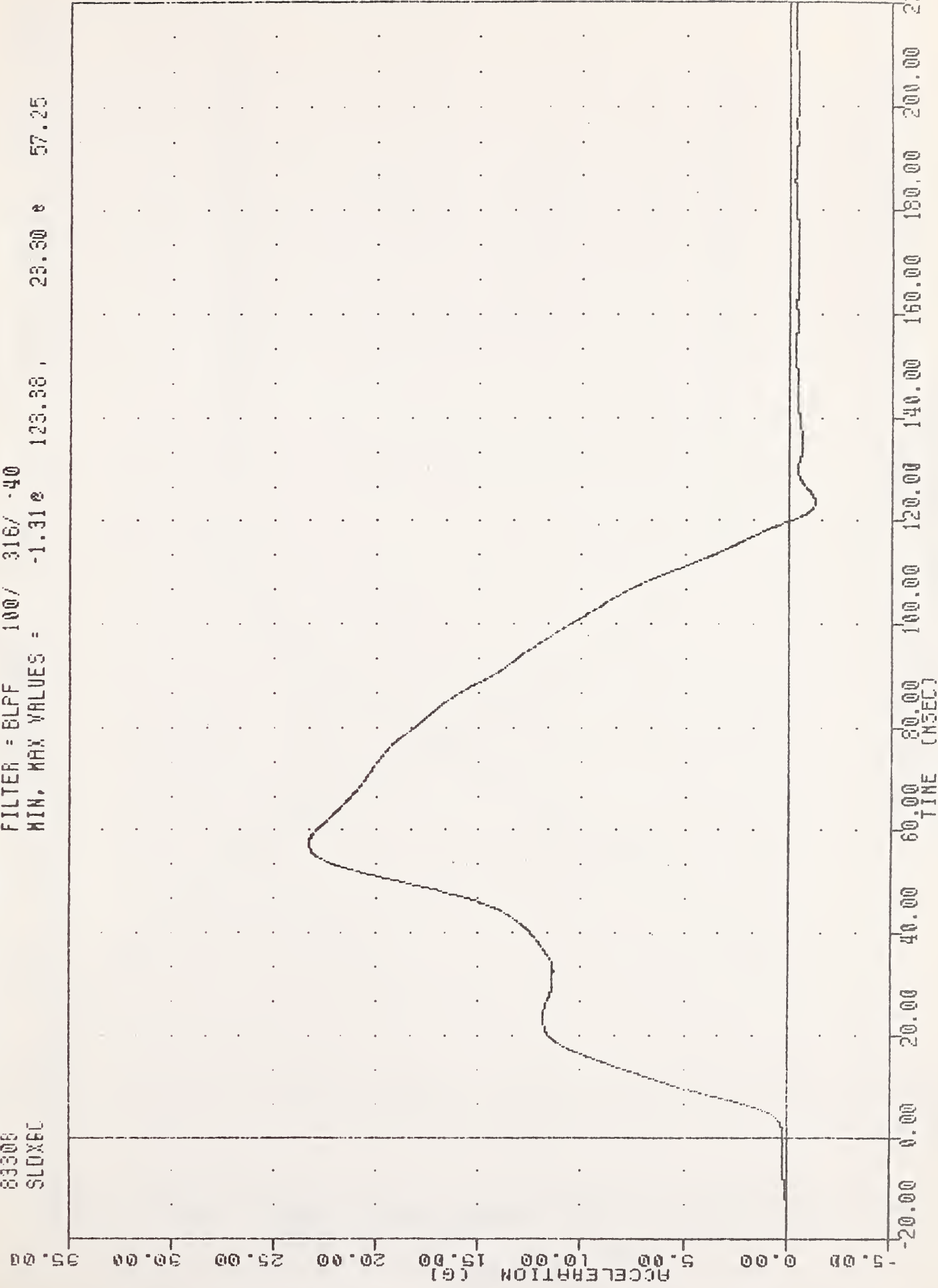
AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN IAS 5MTH PERCENTILE



VATC , R0563-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83308  
SLOX6C

PLOT DATE 4-NOV-83 13:50:51

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -1.31e 123.38, 23.30 e 57.25



AIRBAG DEMONSTRATION PROGRAM  
SIFN ACCELERATION

VRTC  
R0583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83302  
SLOXVC

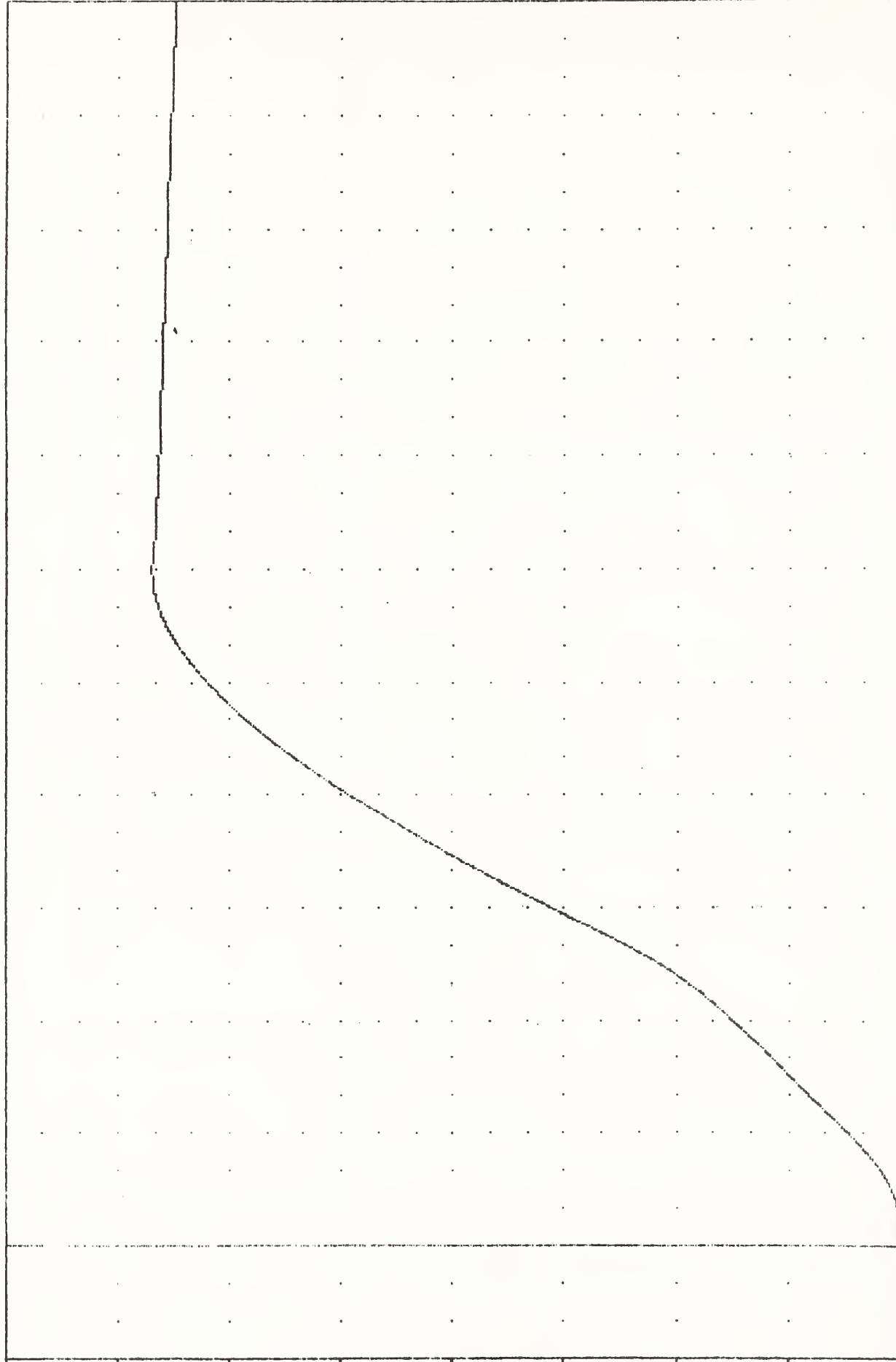
PLOT DATE 4-NOV-83 13:50:51

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = 0.00e -13.68 . 33.45 e 119.75

40.00  
35.00  
30.00  
25.00  
20.00  
15.00  
10.00  
5.00  
0.00

-484-



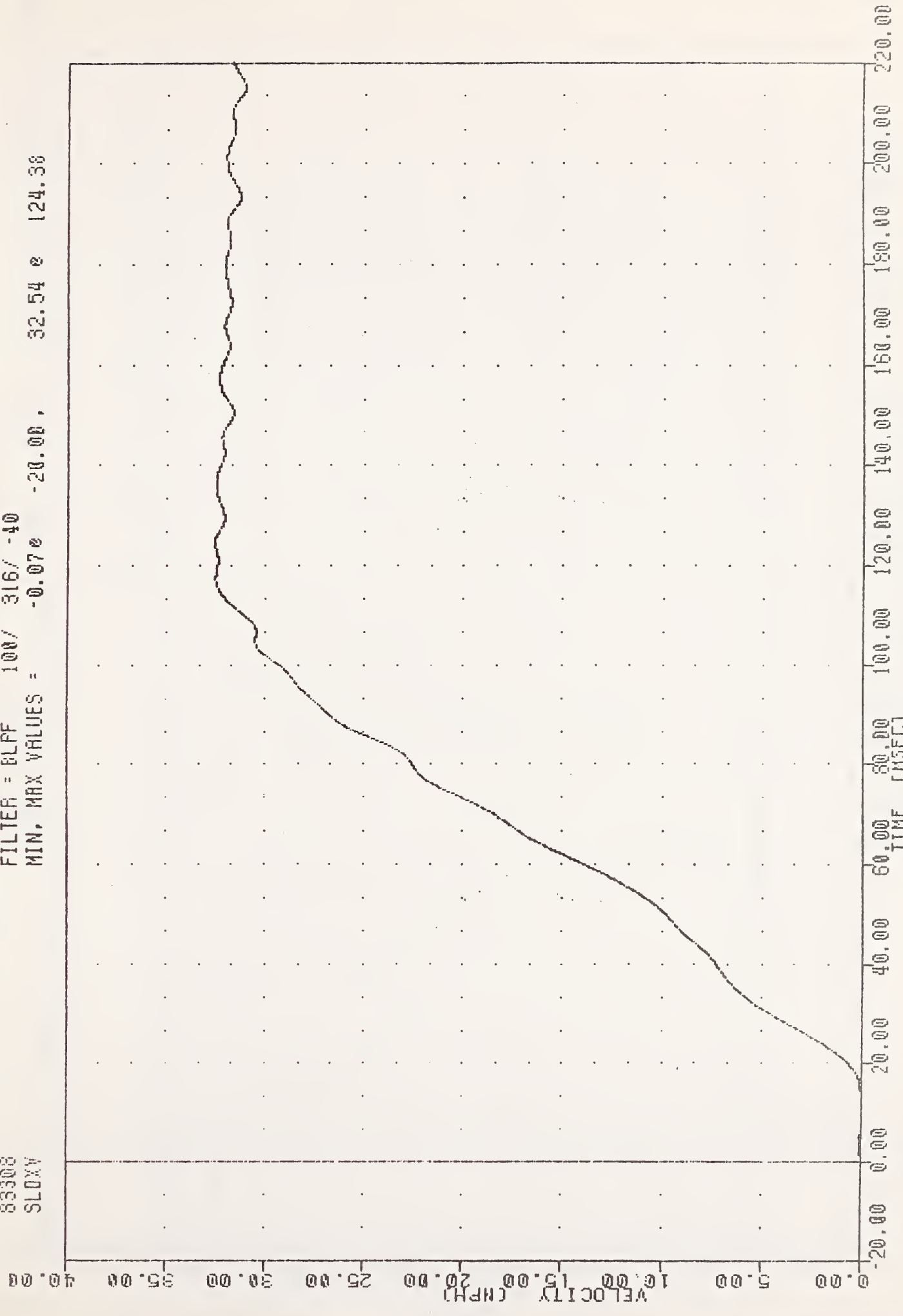
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SIFD VELOCITY

VRTC , PD583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83308  
SLOXY

PLOT DATE 4-NOV-83 13:50:51

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.07e -20.00, 32.54 e 124.30

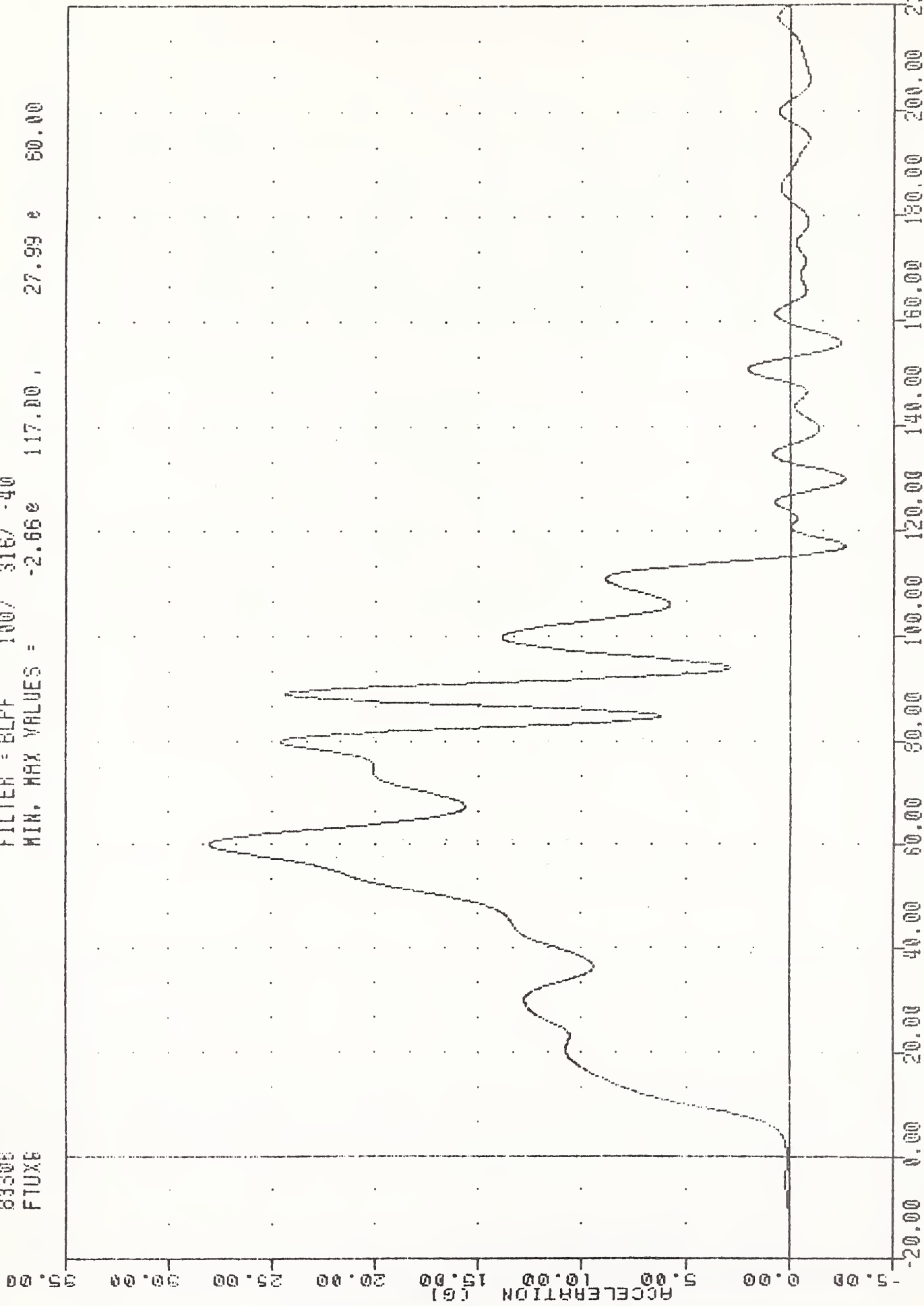


AIRBAG DEMONSTRATION PROGRAM  
SLED VELOCITY

WATC . RD583-2-20  
AIRBAG DEMONSTRATION PROGRAM  
83305  
FTUXE

PLOT DATE 4-NOV-83 13:50:51

FILTER = BLFF 100/ 316/ -40  
MIN. MAX VALUES = -2.66e 117.00, 27.99 e 50.00

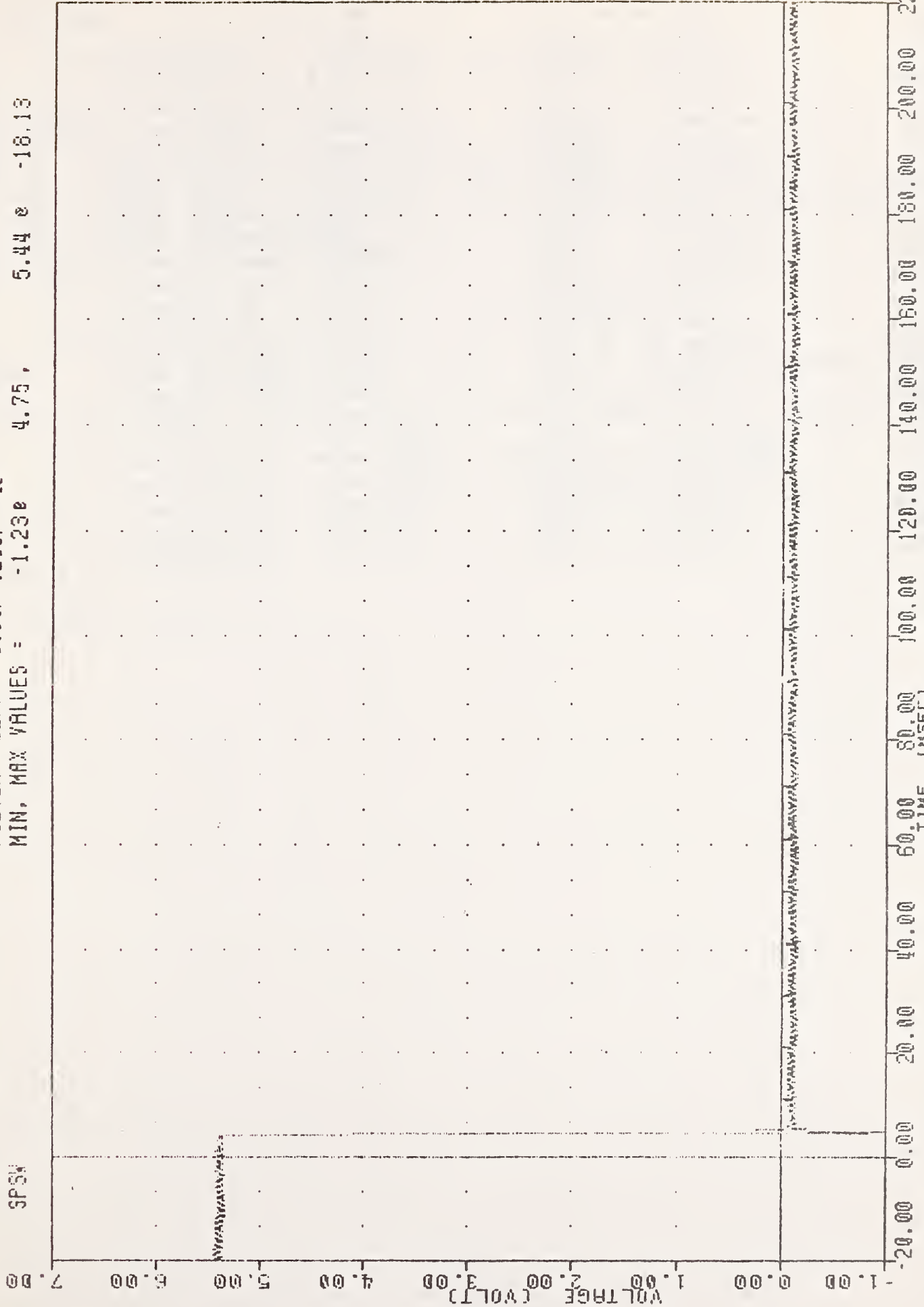


AIRBAG DEMONSTRATION PROGRAM  
FLOOR PAN TUNNEL ACCELERATION

YRTC  
AIRBAG DEMONSTRATION PROGRAM  
83502  
SPSV

PLOT DATE 4-NOV-68 13:50:51

FILTER = BLPF 1650/ 5218/ -40  
MIN. MAX VALUES = -1.23e 4.75, 5.44 e -18.13



AIRBAG DEMONSTRATION PROGRAM  
SLED POSITION SWITCH

		Min value		Max value		Uni
1	SPSW	-1.262 @	5.500	5.444 @	-14.750 msec	volt
2	SLDXGC	-0.568 @	149.125	20.452 @	59.375 msec	g
3	SLDXVC	-0.013 @	-11.750	32.696 @	134.250 msec	mph
4	SLDXV	-0.028 @	-21.750	31.915 @	143.500 msec	mph
5	FTUXG	-1.994 @	138.250	22.072 @	56.875 msec	g
6	ABFT1	-0.785 @	27.125	4.052 @	19.750 msec	volt
7	HEDXG1	-45.712 @	102.875	34.713 @	186.625 msec	g
8	HEDXV1	-39.750 @	146.375	0.097 @	34.625 msec	mph
9	HEDYG1	-4.467 @	195.000	6.762 @	115.250 msec	g
0	HEDZG1	-36.544 @	94.500	6.053 @	188.500 msec	g
1	CSTXG1	-33.702 @	82.125	6.692 @	202.125 msec	g
2	CSTXV1	-38.876 @	186.625	0.015 @	21.125 msec	mph
3	CSTYG1	-1.630 @	244.250	7.237 @	79.750 msec	g
4	CSTZG1	-5.547 @	64.750	5.111 @	111.750 msec	g
5	PEVXG1	-25.369 @	91.000	4.296 @	150.875 msec	g
6	PEVYG1	-4.202 @	77.500	6.813 @	105.125 msec	g
7	PEVZG1	-22.402 @	89.625	2.950 @	207.750 msec	g
8	CSTXD	-0.048 @	262.000	0.546 @	101.125 msec	in
9	LFMF1	-302.453 @	27.875	345.494 @	25.125 msec	lb
0	RFMF1	-348.231 @	27.875	403.936 @	25.125 msec	lb
1	SHBF1	-6.201 @	202.000	1327.650 @	91.625 msec	lb
2	HEDRG1	0.024 @	-23.250	56.036 @	100.750 msec	g
3	CSTRG1	0.005 @	-15.000	34.283 @	81.750 msec	g
4	PEVRG1	0.002 @	-13.125	33.675 @	90.000 msec	g



R SYSE:HIC2

HIC1 -- Compute Head Injury Criterion from a single channel

Enter input filespec -->TRC233I

File TRC233I -> 24 data channels from -25.000 to 300.000 msec

Reference channel length = 2601, Deltax = 0.125

VRTC RD583-2-21 AIRBAG DEMONSTRATION PROGRAM 0.00 mph

SPSW SLDXGC SLDXVC SLDXV FTUXG ABFT1 HEDXG1 HEDXV1 HEDYG1 HEDZG1

CSTXG1 CSTXV1 CSTYG1 CSTZG1 PEVXG1 PEVYG1 PEVZG1 CSTXD LFMF1 RFMF1

SHBF1 HEDRG1 CSTRG1 PEVRG1

Enter channel [,stop time] -->HEDRG1,200

\* \* \* HIC computation for TRC233I 14-NOV-83 12:29:18

HEDRG1 VRTC RD583-2-21 83318 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 56.04 @ 100.750

HIC = 518.08 Interval from 81.625 [ 854] to 117.625 [1142]

HIC = 326.37 Interval from 90.625 [ 926] to 105.625 [1046]

Elapsed time = 14.12 sec

Enter channel [,stop time] -->

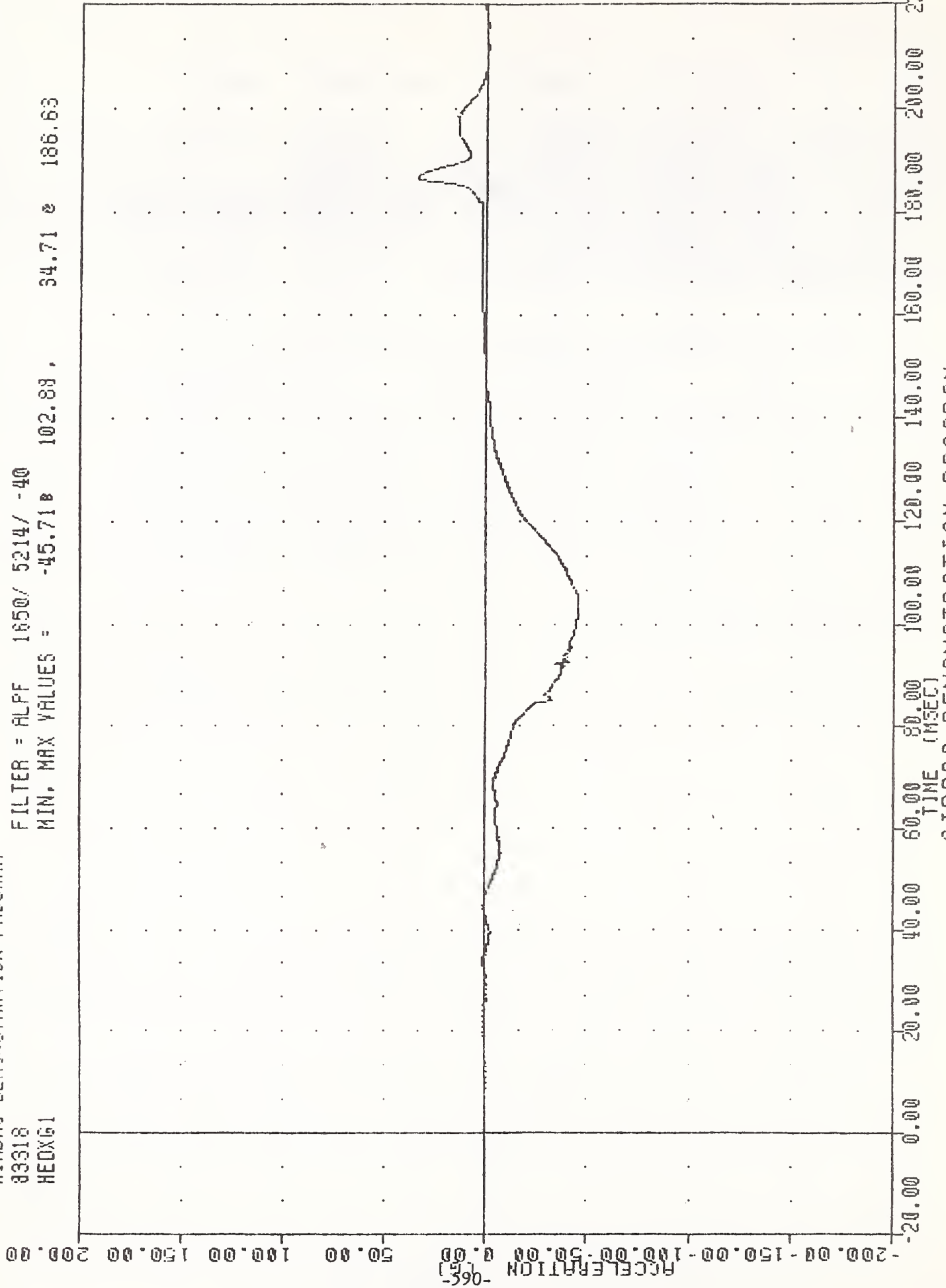


NRTC  
AIRBAG DEMONSTRATION PROGRAM  
83318  
HEXG1

PLOT DATE 14-NOV-83 12:22:07

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -45.71 102.88, 34.71 186.63



AIRBAG DEMONSTRATION PROGRAM

DEON ORCCECDDOTIM V OVTC EMTU OCBCEKITTIC

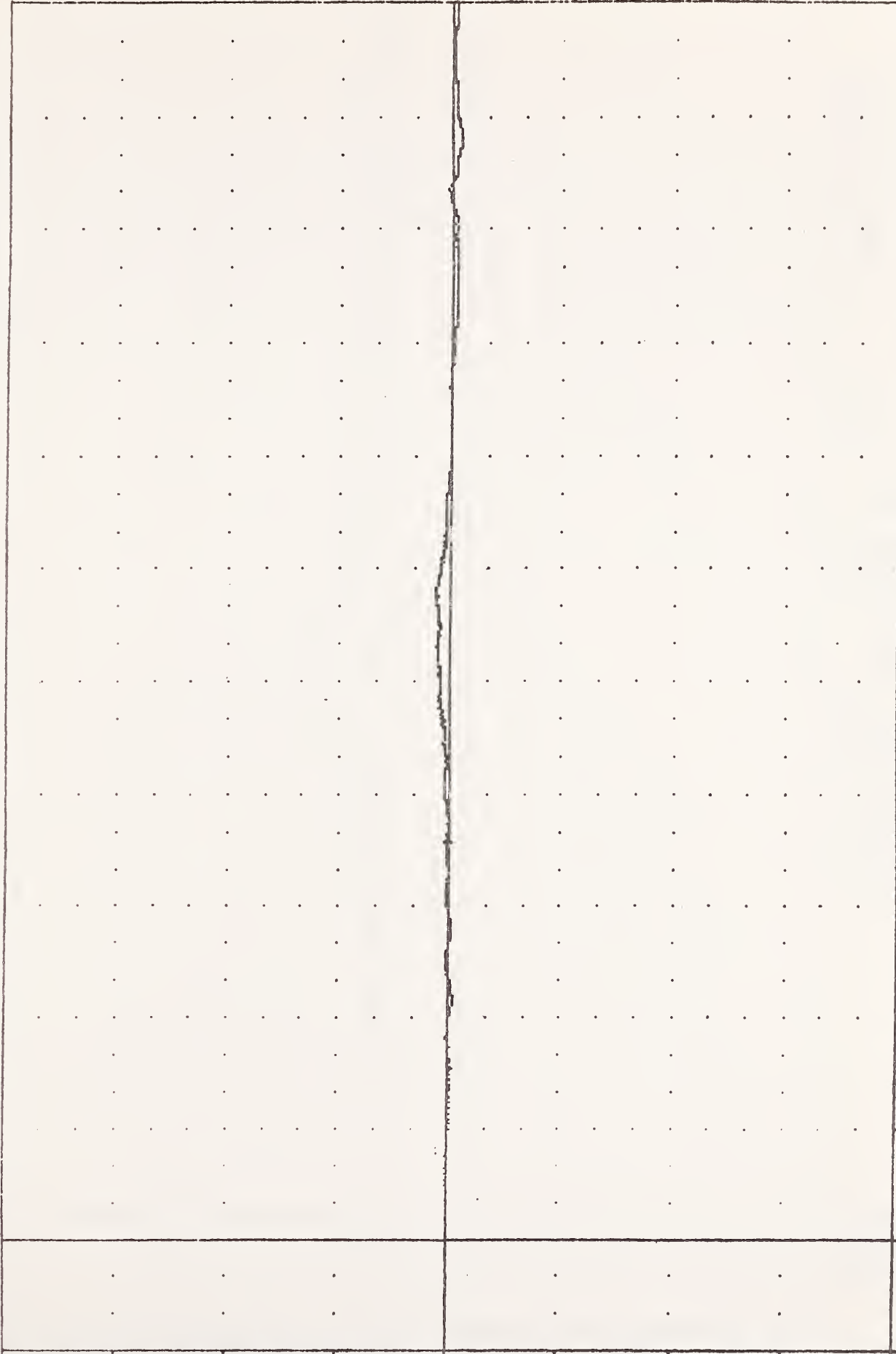
VATC , RD583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
83318  
HE0Y61

PLOT DATE 14-NOV-83 12:22:07

FILTER = ALPF 1650/ 5214/ .40

MIN, MAX VALUES = -4.47e 195.00 , 6.76 e 115.25

ACCELERATION (G)  
-165  
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00



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

AIRBAG DEMONSTRATION PROGRAM

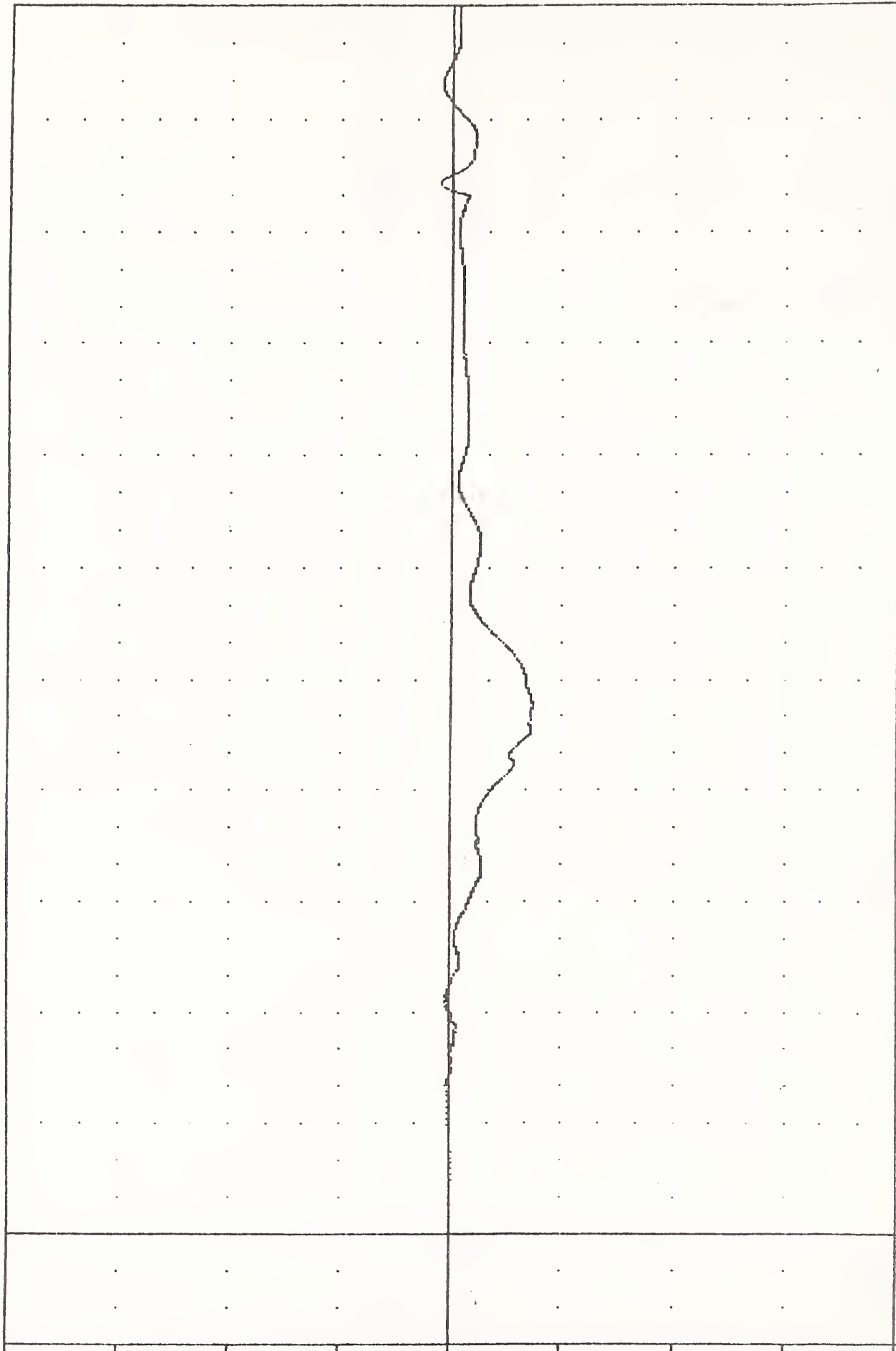
UCON ACCEREDOTIOM Y OVIC 5MTU PERCENTIE

VRTC  
AIRBAG DEMONSTRATION PROGRAM  
83318  
HEDZG1

PLOT DATE 14-NOV-83 12:22:07

FILTER = ALFF 1650/ 5214/ -40  
MIN. MAX VALUES = -36.548 94.50, 6.05 e 188.50

ACCELERATION (G)



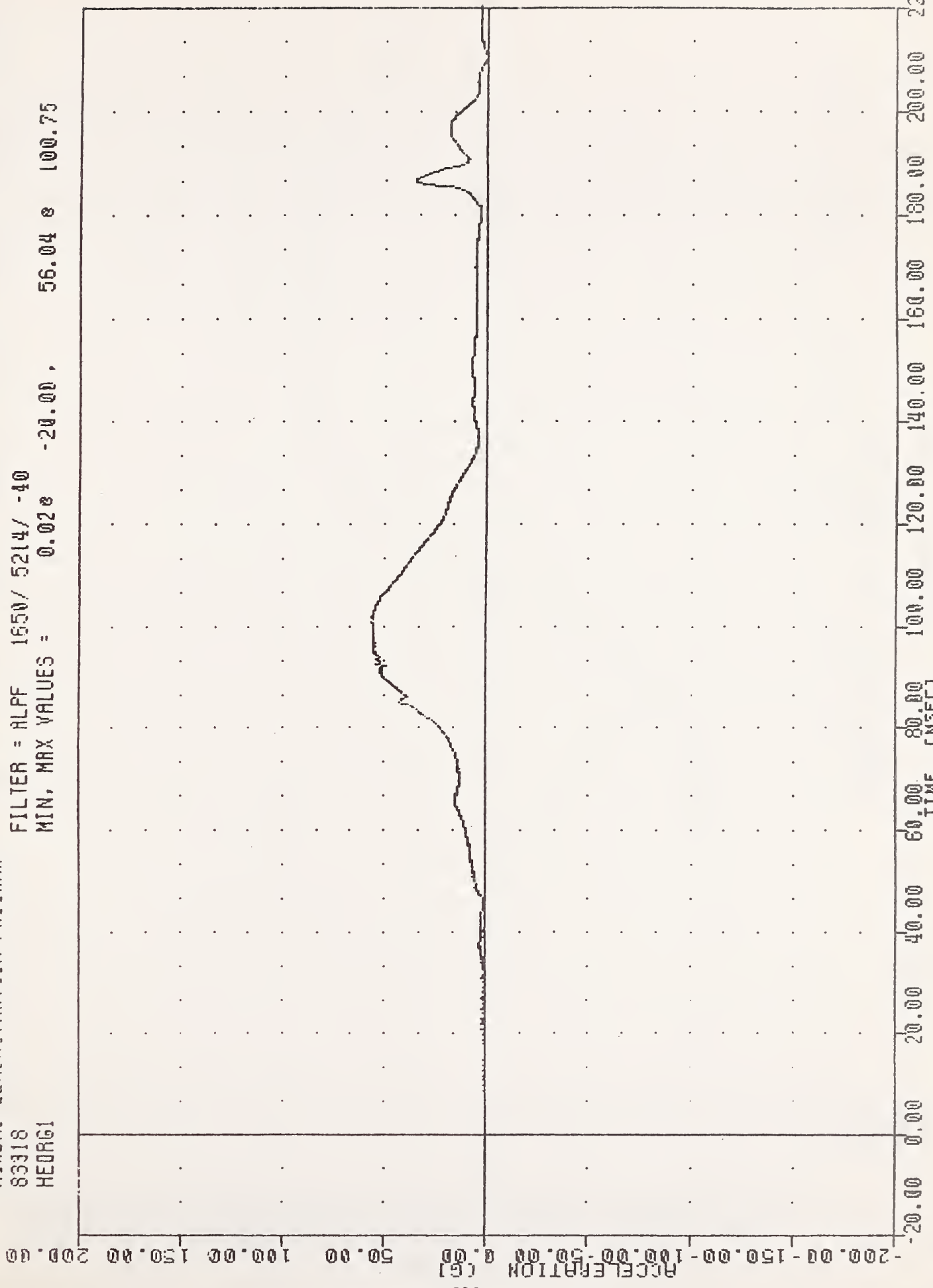
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00 220.00  
TIME (MSEC) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
ICON ACCELERATION 7 BYTS 50TH PERCENTILE

VRIC , 80503-2-21  
AIRBAG DEMONSTRATION PROGRAM  
83318  
HEORGI

PLOT DATE 14-NOV-83 12:22:07

FILTER = HLPF 1650/ 5214/ -40  
MIN, MAX VALUES = 0.02e -20.00, 56.04 e 100.75

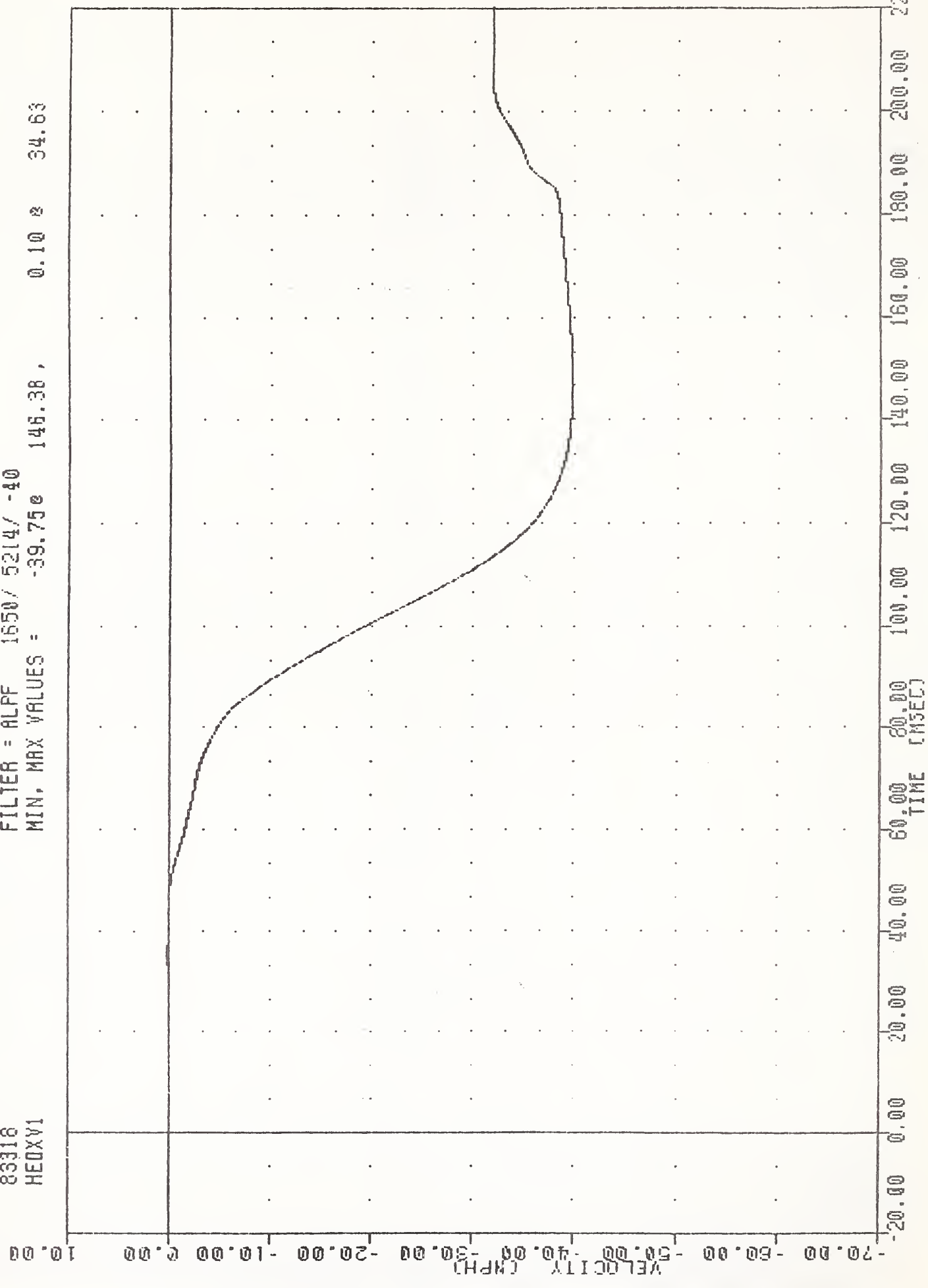


AIRBAG DEMONSTRATION PROGRAM

VRTC  
 AIRBAG DEMONSTRATION PROGRAM  
 83318  
 HEDXV1

PLOT DATE 14-NOV-83 12:22:07

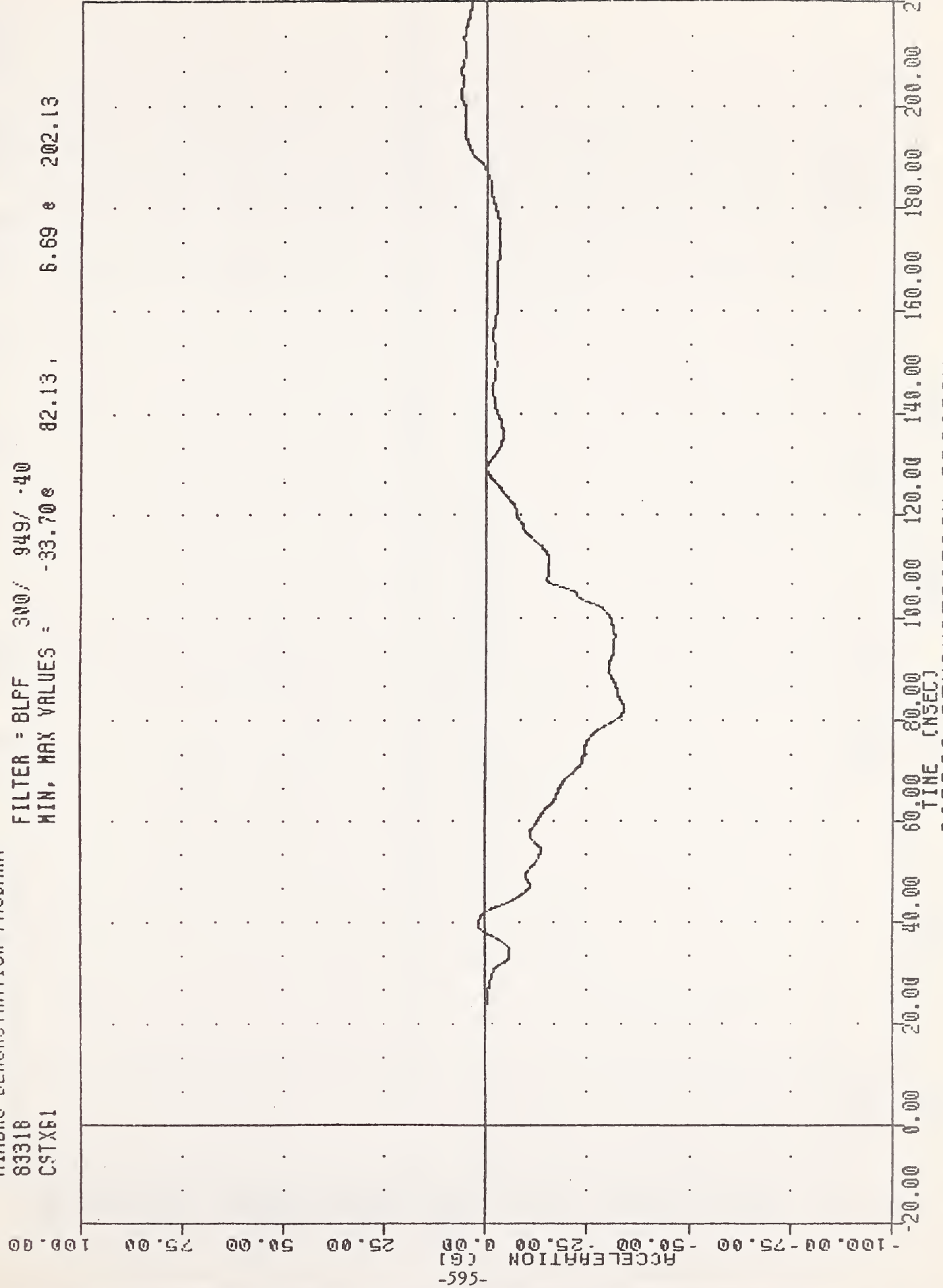
FILTER = ALPF 1650/ 5214/ -40  
 MIN. MAX VALUES = -39.75e 146.38 , 0.10 e 34.63



VATC , R0583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
83318  
CSTX61

PLOT DATE 14-NOV-83 12:22:07

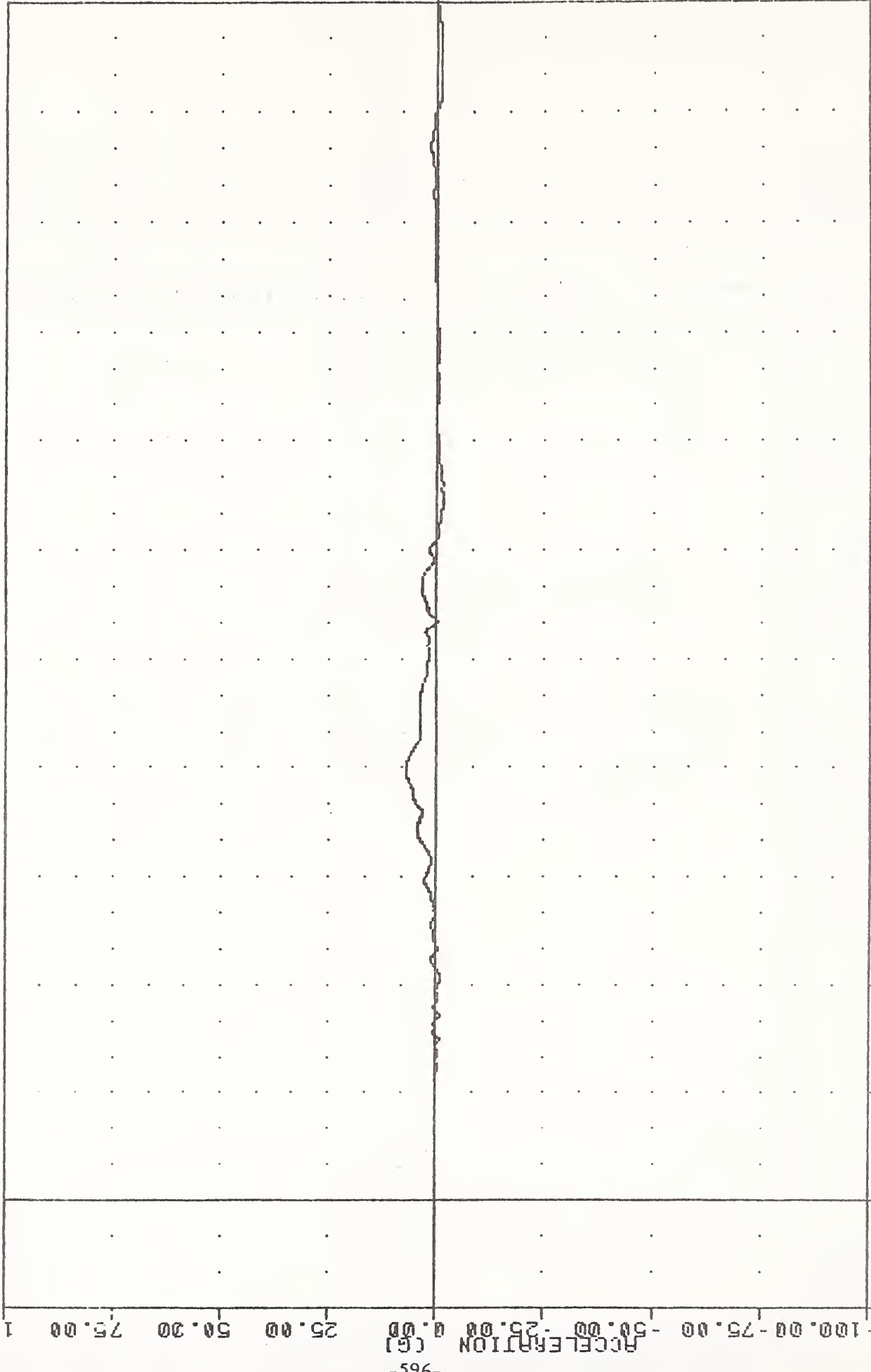
FILTER = BLPF 300/ 949/ .40  
MIN. MAX VALUES = -33.70e 82.13, 6.69 e 202.13



AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 50TH PERCENTILE



VRTC , FD583-2-21 PLOT DATE 14-NOV-83 12:22:07  
 AIRBAG DEMONSTRATION PROGRAM  
 83318 FILTER = 8LPF 300/ 949/ -40  
 CSTYG1 MIN, MAX VALUES = -1.450 128.63, 7.24 @ 79.75



-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

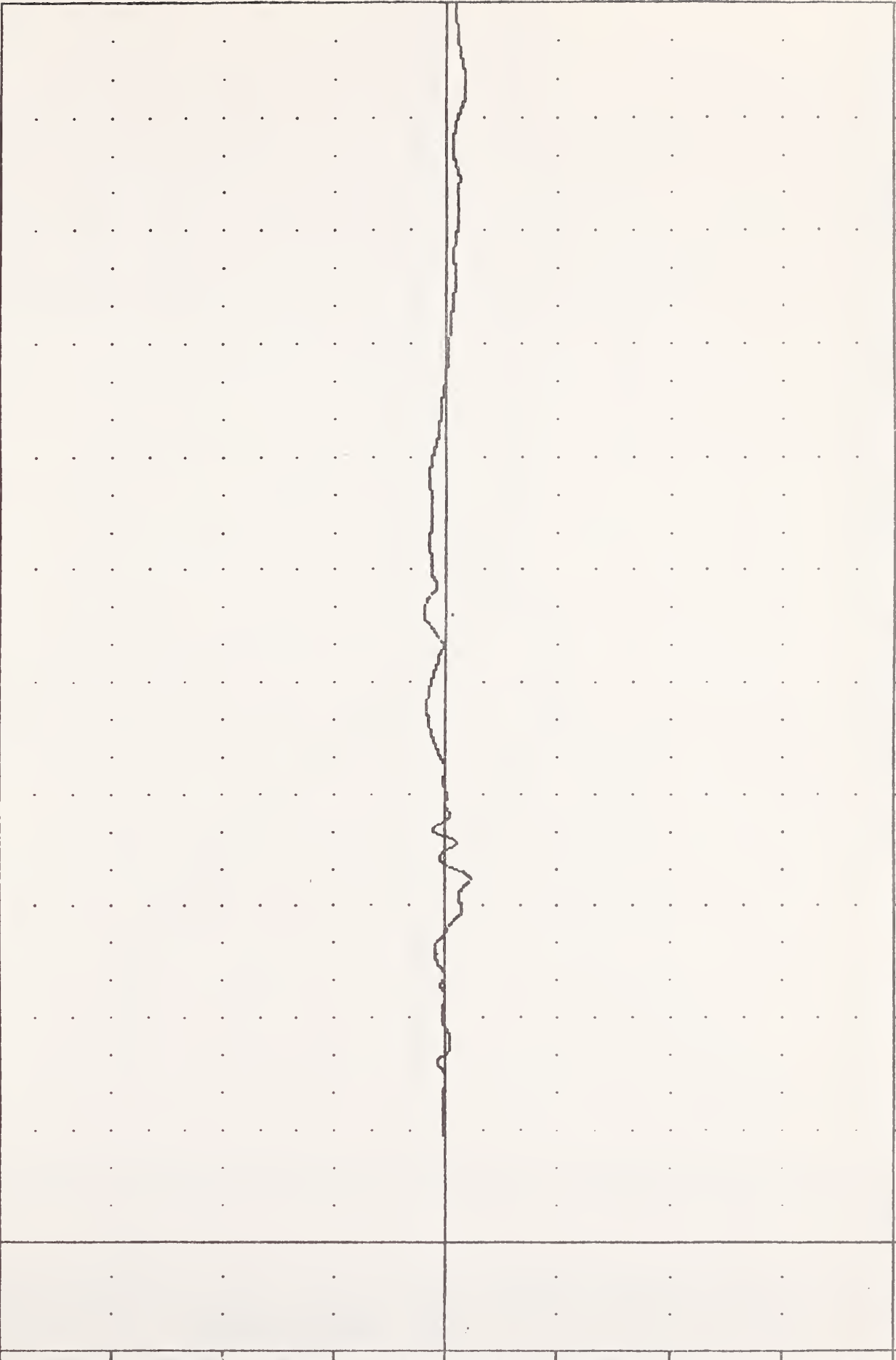


YATC , R0583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
83318  
CSTZ61

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -5.55e 64.75 . 5.11 e 111.75

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)

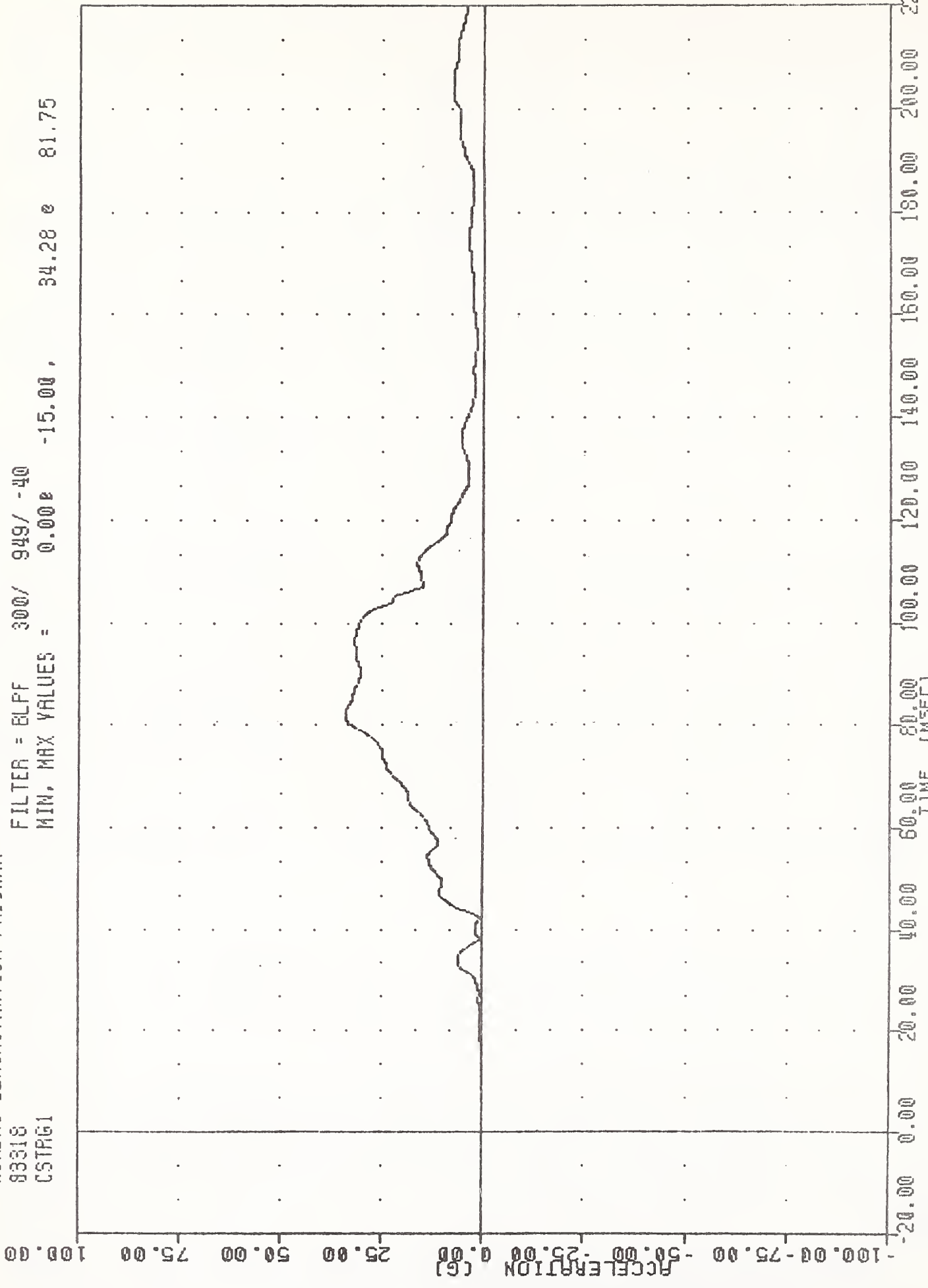
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

YRTC , R0583-2-21 PLOT DATE 14-NOV-83 12:22:07

AIRBAG DEMONSTRATION PROGRAM

83318  
CSTRG1

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = 0.00e -15.00, 34.28 e 81.75



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

AIRBAG DEMONSTRATION PROGRAM

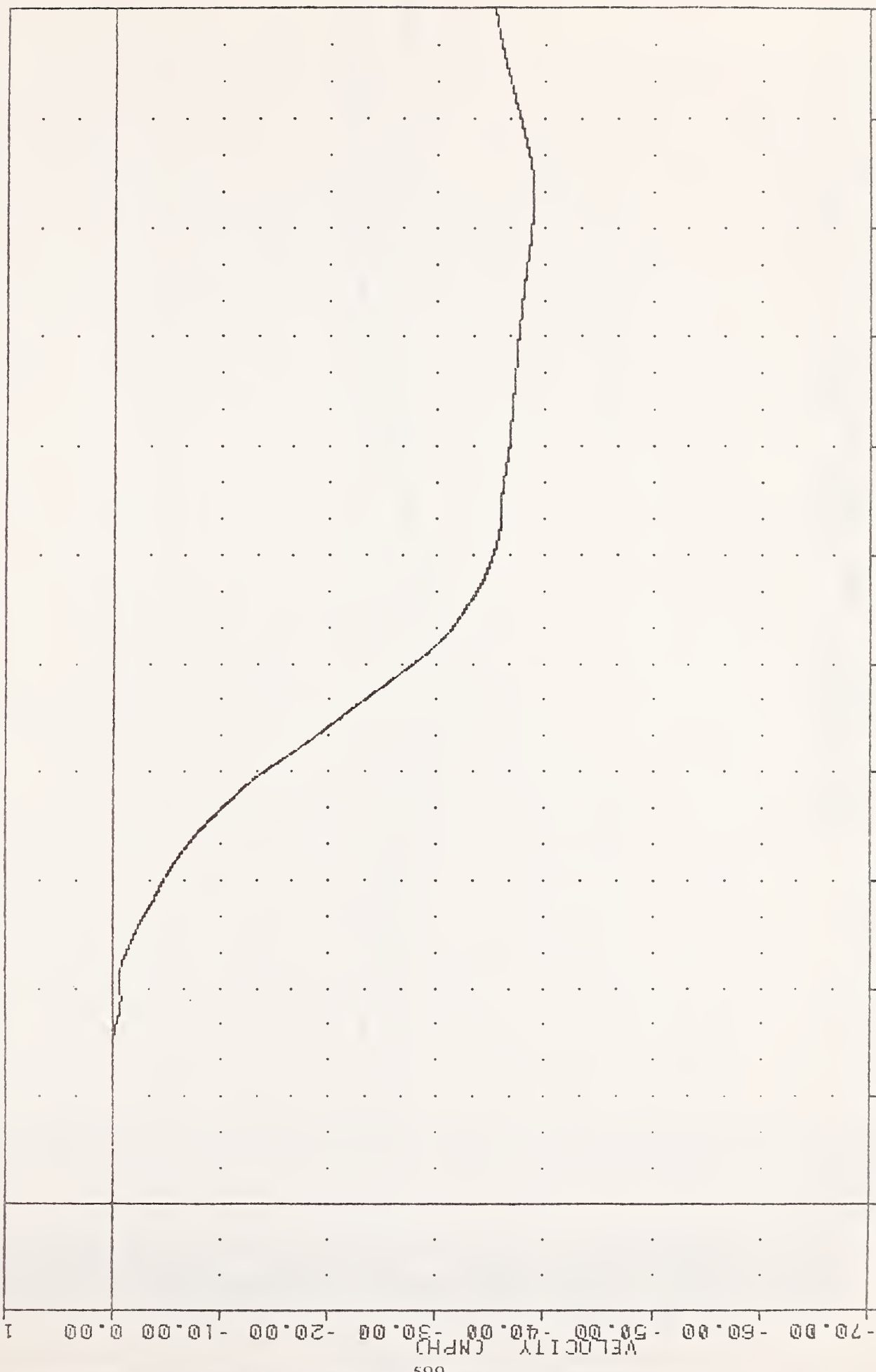
CHEST RESISTANT ACCELERATION 5MTH PERCENTILE

VRTC , R0583-2-21  
 AIRBAG DEMONSTRATION PROGRAM  
 83318  
 CSTXV1

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLFF 300/ 949/ -40  
 MIN. MAX VALUES = -38.88e 186.63, 0.02 e 21.13

10.00



-665-

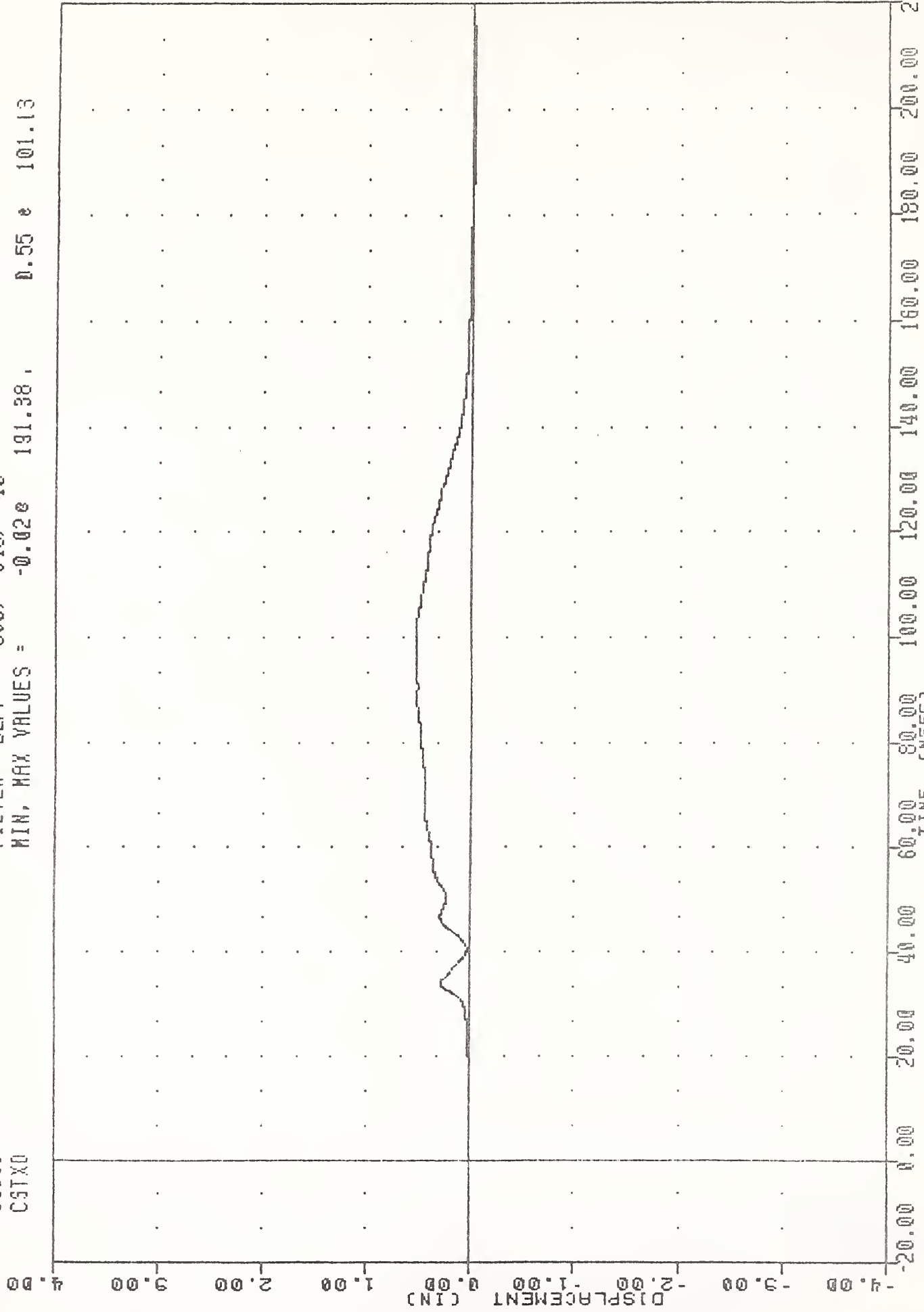
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
 TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
 CHEST VELOCITY X AXIS 50TH PERCENTILE

VRTC , RD583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
83318  
CSTX0

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -0.02e 191.38 , 0.55 e 101.13

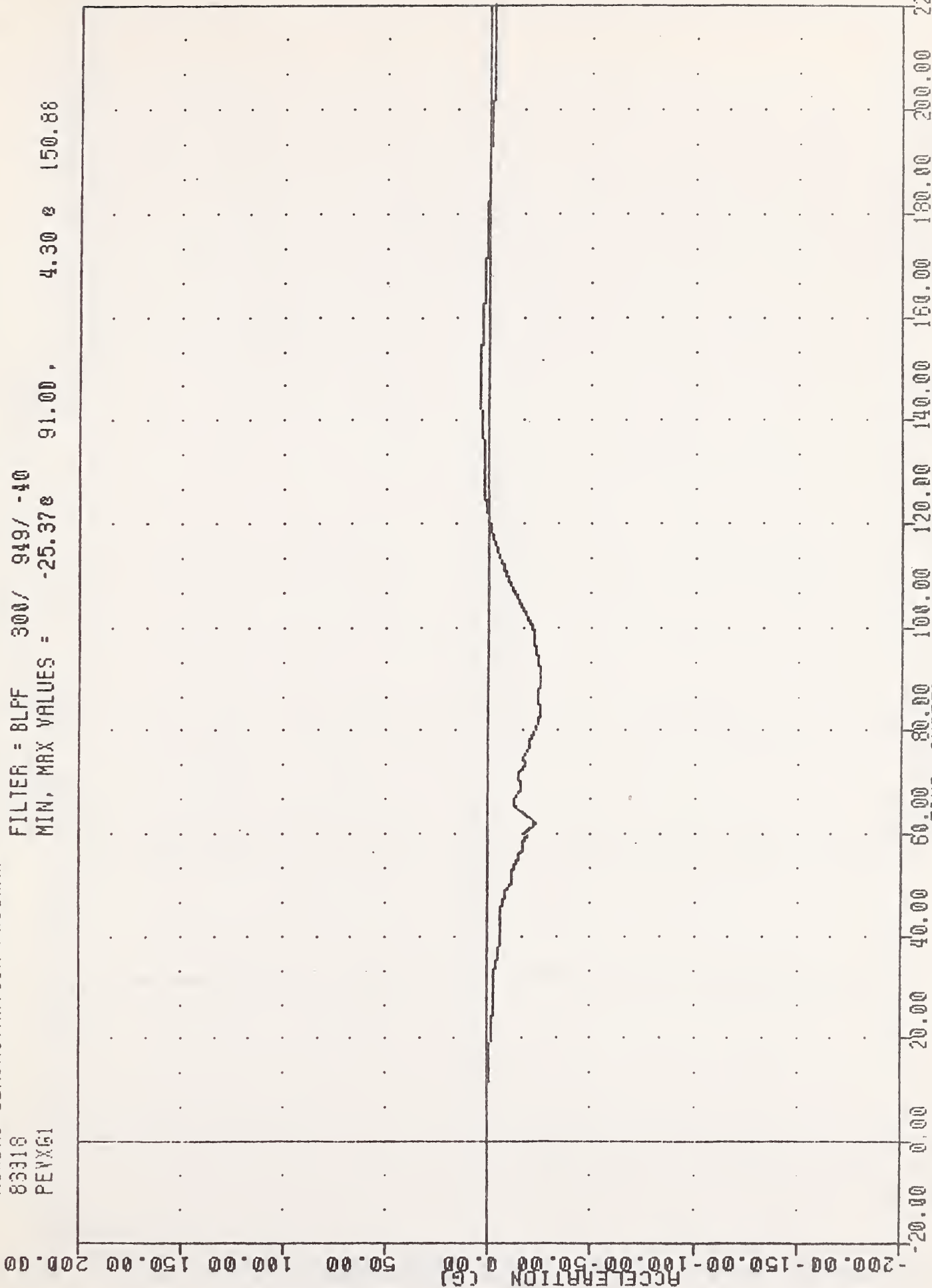


AIRBAG DEMONSTRATION PROGRAM  
FIRST DISPLACEMENT 50TH PERCENTILE

VRIC , RD583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
83318  
PEX61

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLFF 300/ 949/ -40  
MIN, MAX VALUES = -25.37e 91.00, 4.30 e 150.88

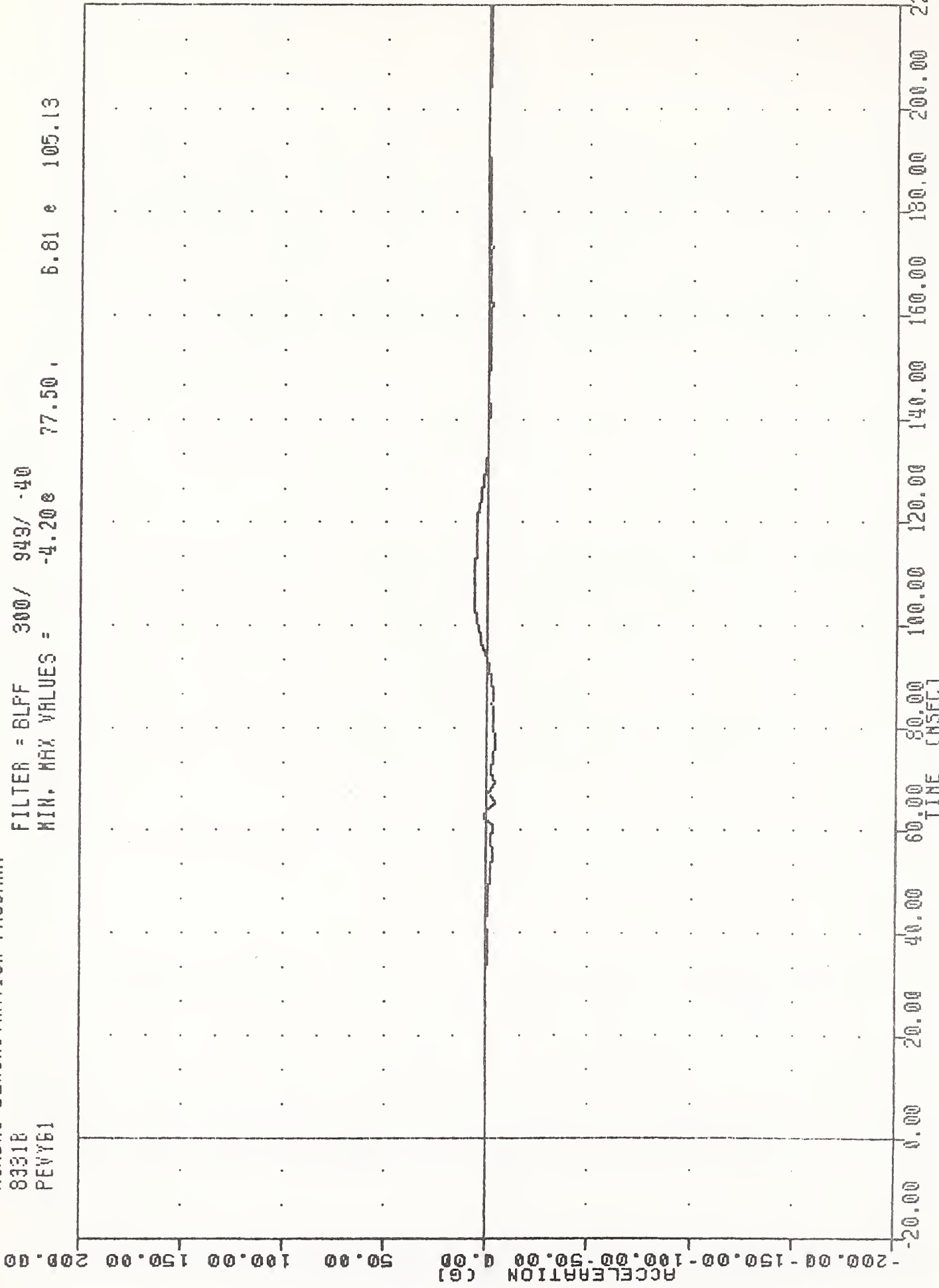


AIRBAG DEMONSTRATION PROGRAM  
PIVOTS ACCELERATION Y AXIS 50TH PERCENTILE

VATC  
RD583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
8331B  
PEVY61

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -4.20e 77.50 . 6.81 e 105.13



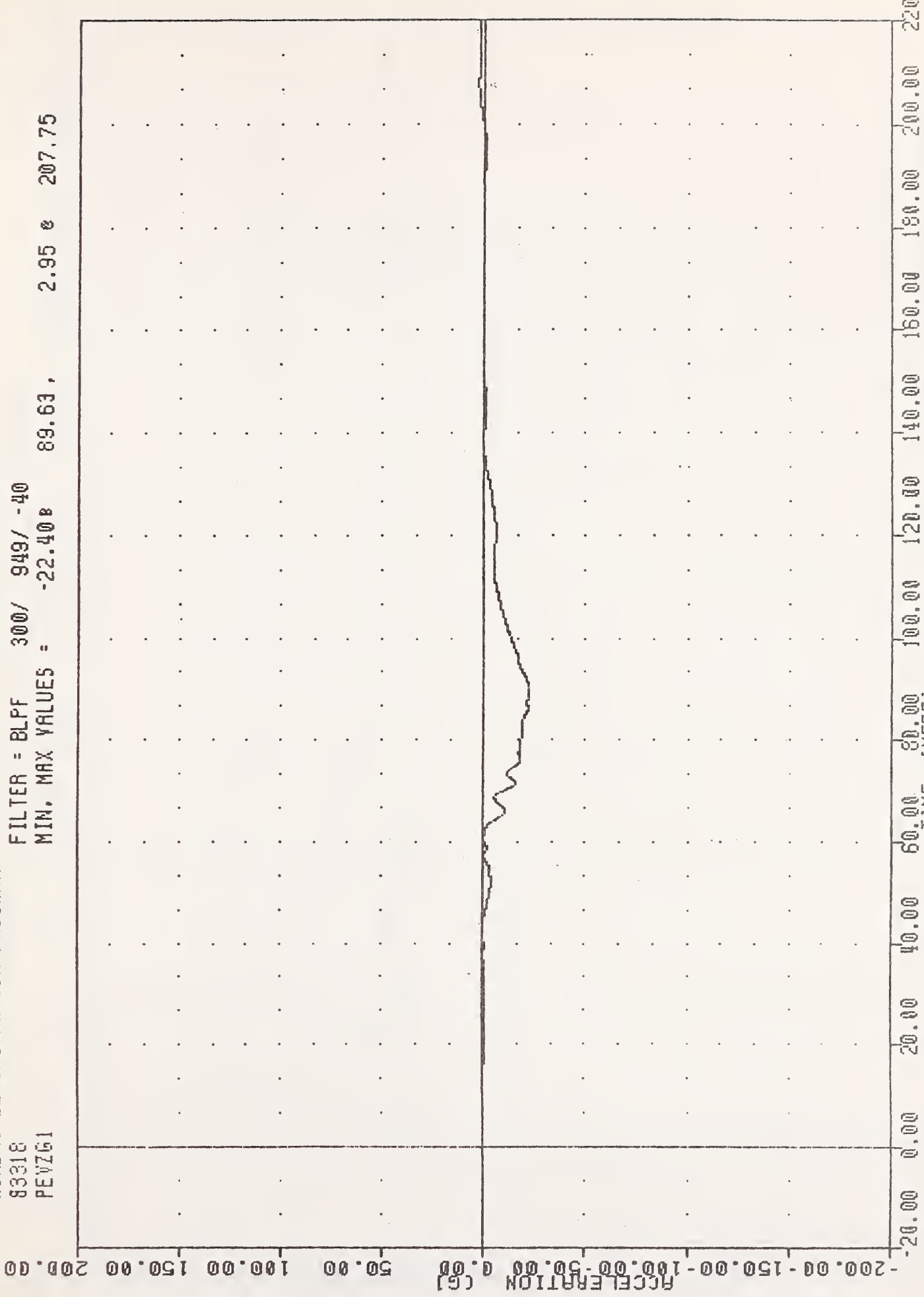
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Y AXIS 50TH PERCENTILE



NRTC  
AIRBAG DEMONSTRATION PROGRAM  
83318  
PEVZG1

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -22.40B 89.63, 2.95 e 207.75



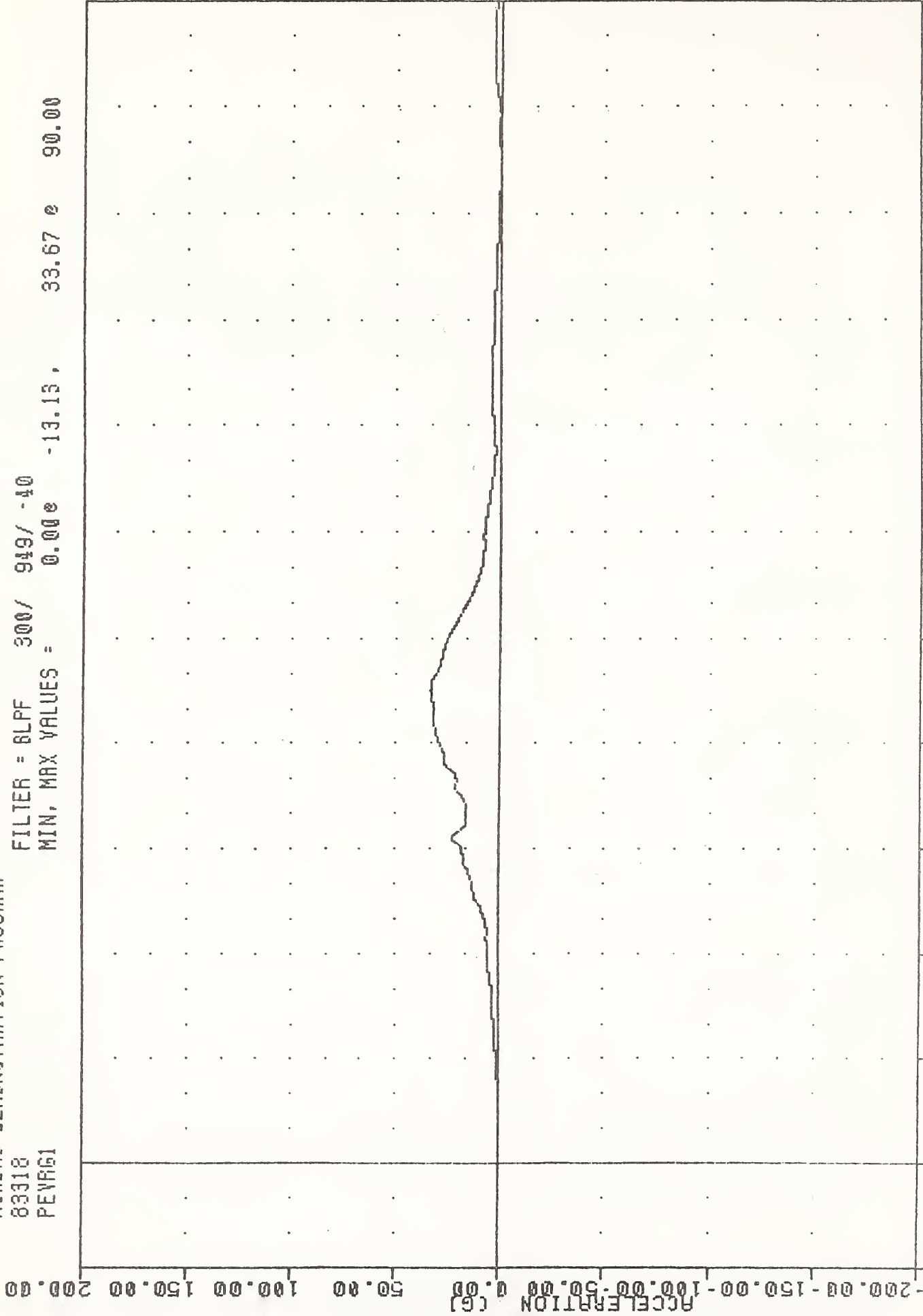
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Z AXIS 50TH PERCENTILE



VRTC , RD583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
83318  
PEVRG1

PLOT DATE 14-NOV-83 12:22:07

FILTER = 6LPF 300/ 949/ -40  
MIN, MAX VALUES = 0.00e -13.13, 33.67 e 90.00



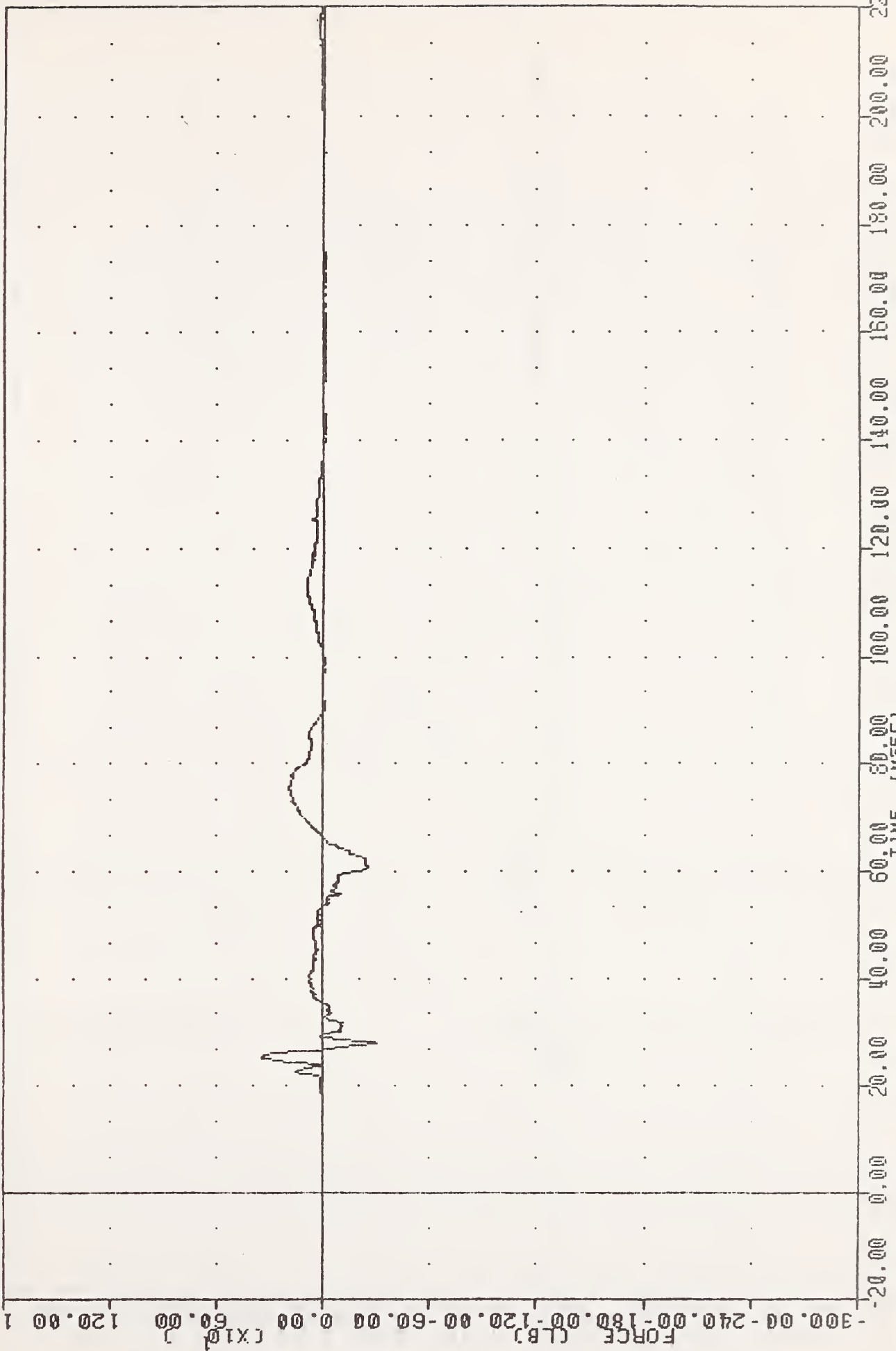
TIME (MSEC) 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
PFI VIS RESUI TANT ACCELERATION 50TH PERCENTILE

WRTC , AD583-2-21  
AIRBAG DEMONSTRATION PROGRAM

83518  
LFMF1

MIN. MAX VALUES = -302.45 27.88 345.49 25.13

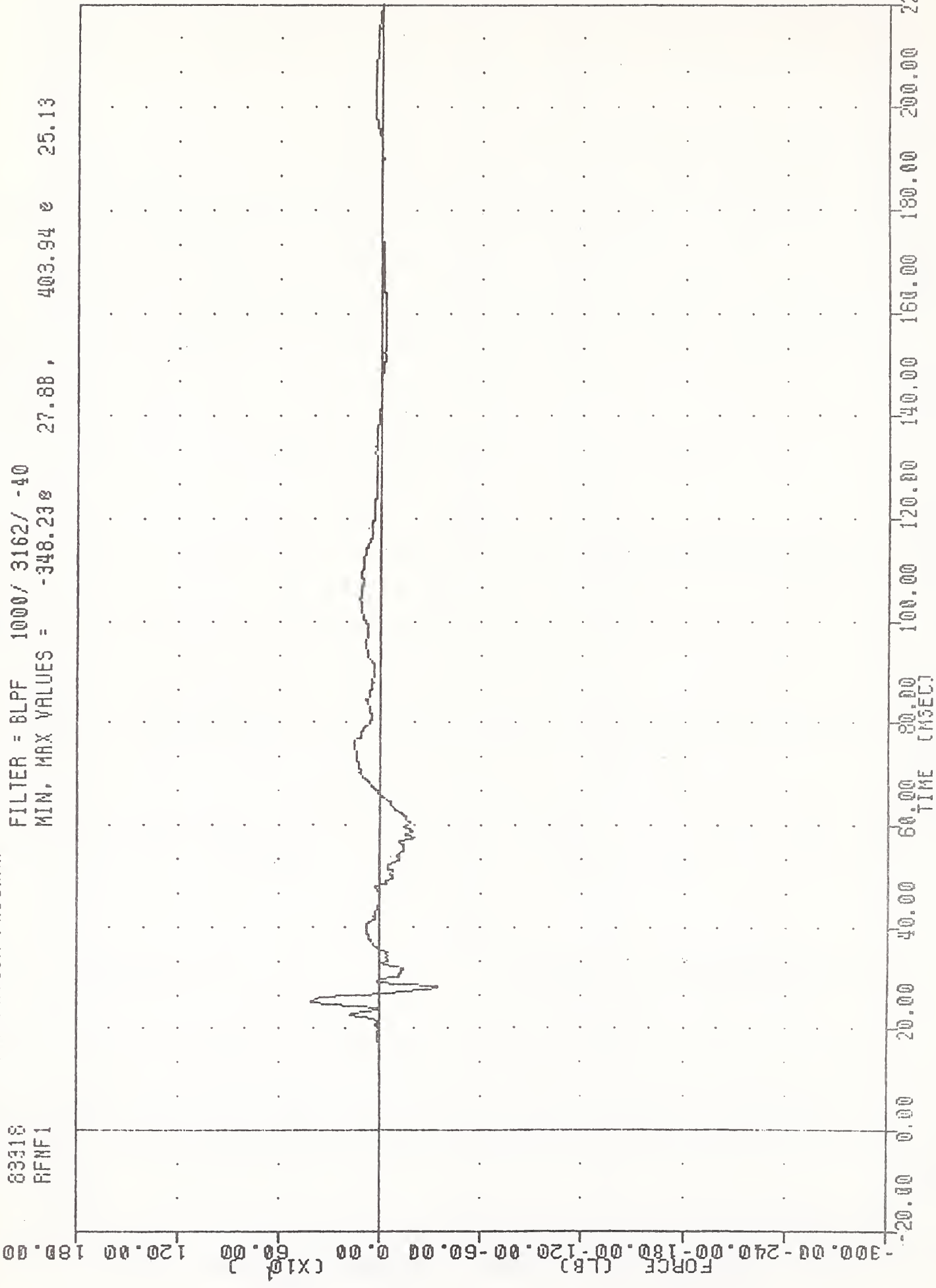


AIRBAG DEMONSTRATION PROGRAM  
LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

VRTC RD583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
83318  
RFNF1

PLOT DATE 14-NOV-83 12:22:07

FILTER = 8LPF 1000/ 3162/ -40  
MIN. MAX VALUES = -348.238 27.88, 403.94 e 25.13

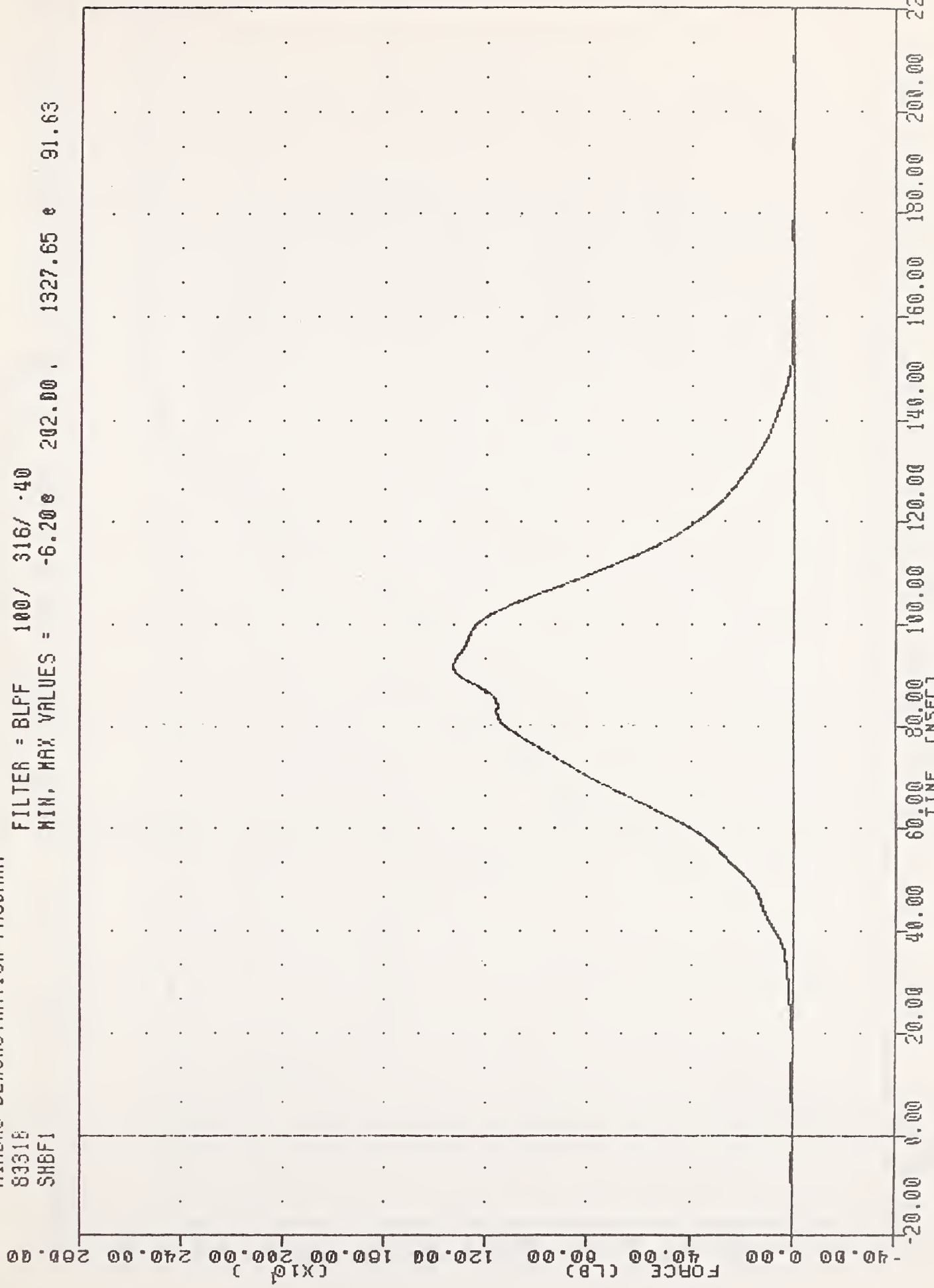


AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN IRS 50TH PERCENTILE

VATIC , RD583-2-21  
 AIRBAG DEMONSTRATION PROGRAM  
 S3316  
 SHBF1

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLFF 100/ 316/ .40  
 MIN, MAX VALUES = -6.20e 202.00 , 1327.65 e 91.63



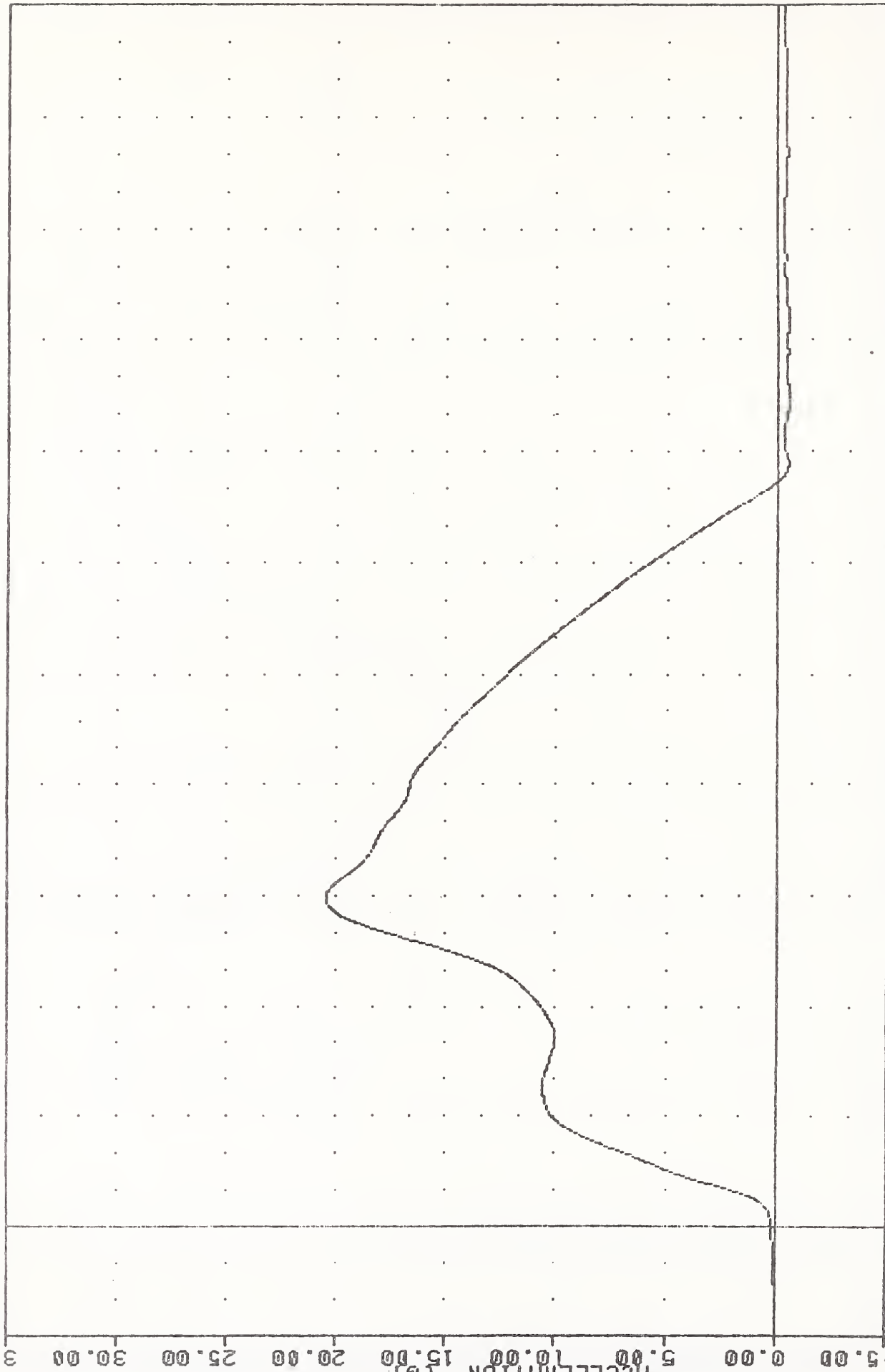
AIRBAG DEMONSTRATION PROGRAM  
 SHOWING NET FIT FORCE 50TH PERCENTILE

VRTC , RD583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
88318  
SLOX6C

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.57e 20.45 e 59.38

ACCELERATION (G)



TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
SIFN ACCELERATION

WRTC , RD583-2-21  
 AIRBAG DEMONSTRATION PROGRAM  
 83318  
 SLOXVC

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLFF 100/ 316/ -40  
 MIN. MAX VALUES = -0.018 -11.75, 32.70 & 134.25



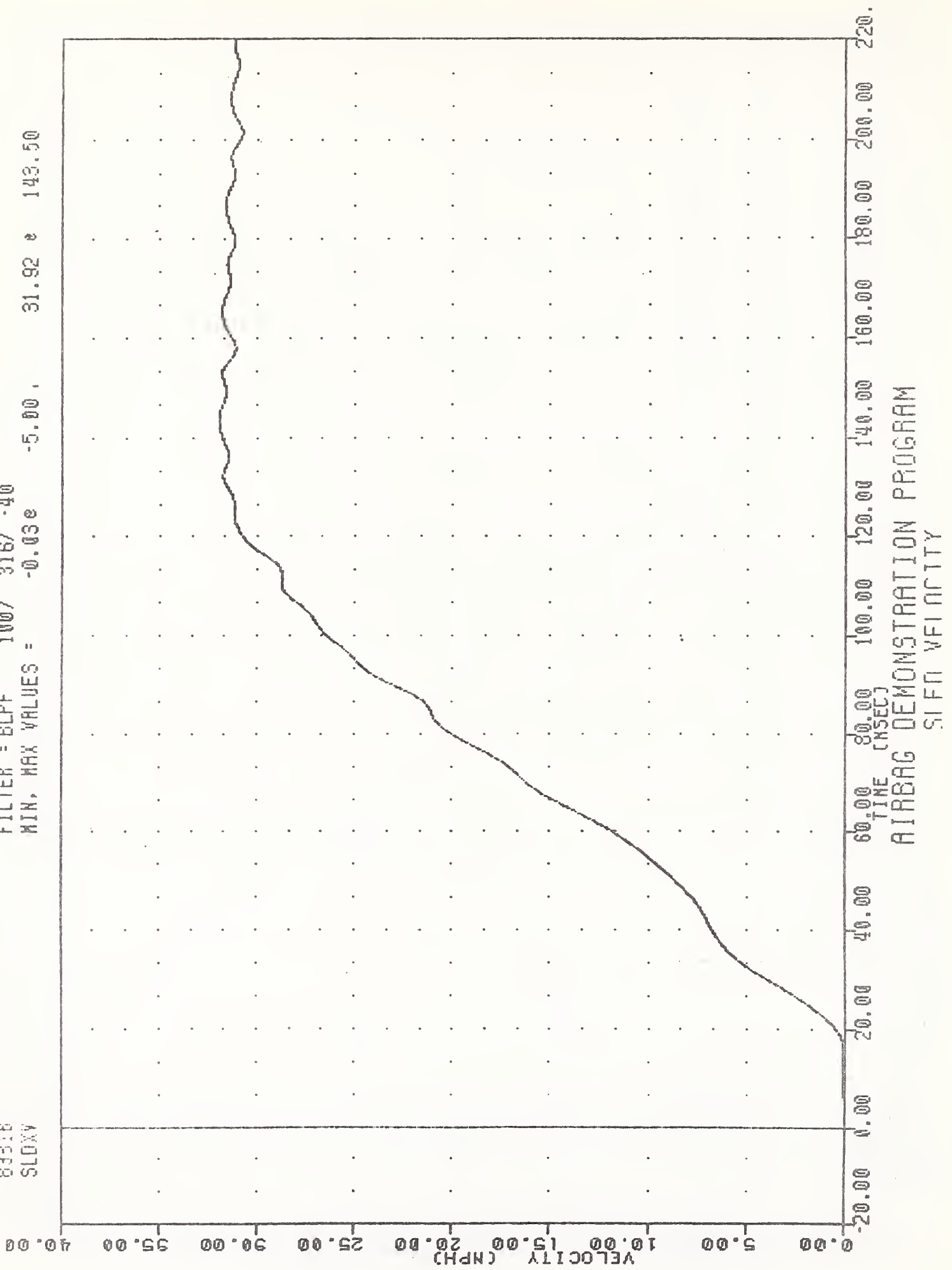
AIRBAG DEMONSTRATION PROGRAM  
 INTEGRATED SIFD VELOCITY



WRTC  
RD583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
83318  
SLOWV

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.03e -5.00, 31.92 e 143.50



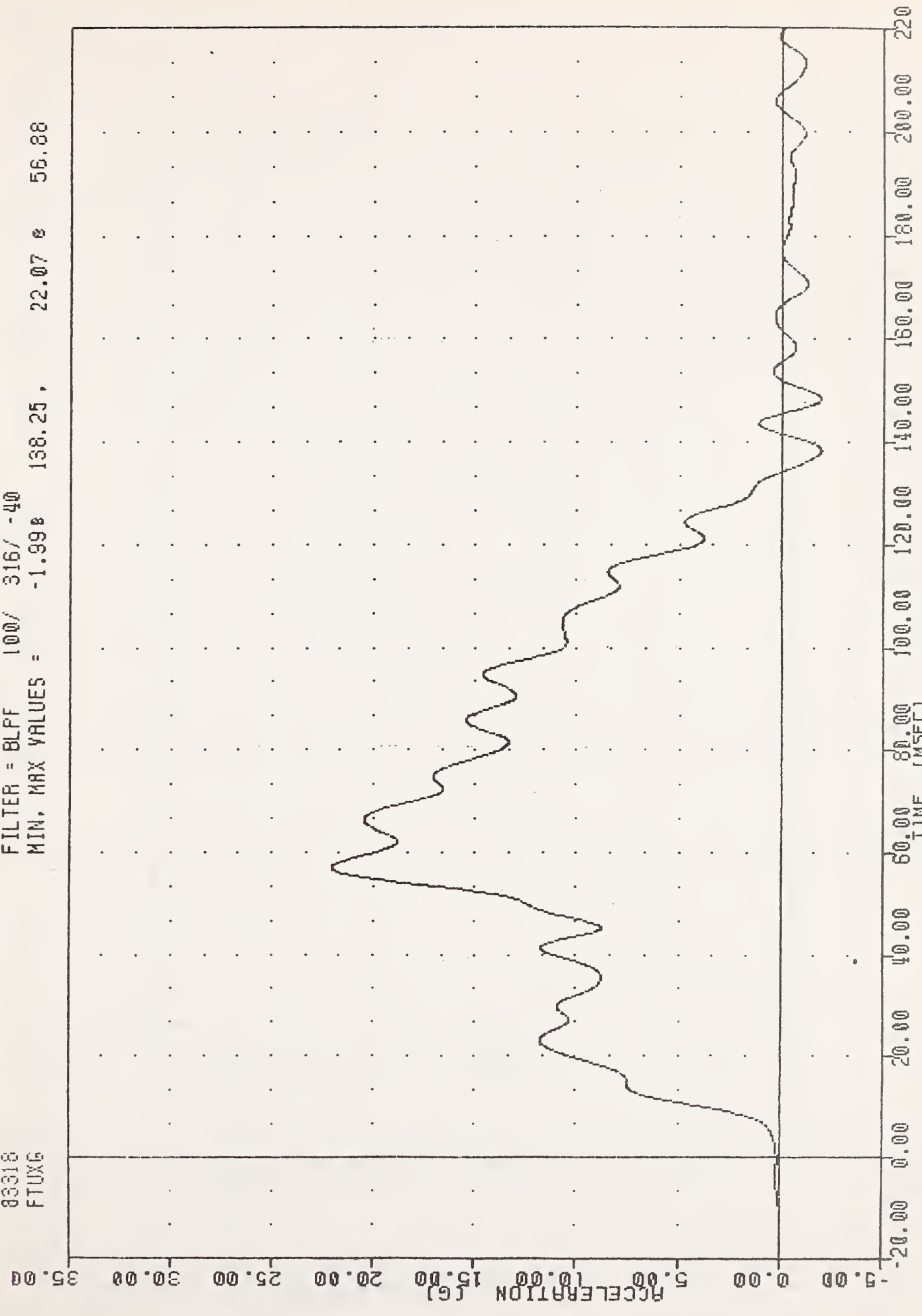
AIRBAG DEMONSTRATION PROGRAM  
SLOWV



VATIC  
AIRBAG DEMONSTRATION PROGRAM  
83318  
FTUXG

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLFF 100/ 316/ -40  
MIN. MAX VALUES = -1.998 138.25, 22.07 56.88

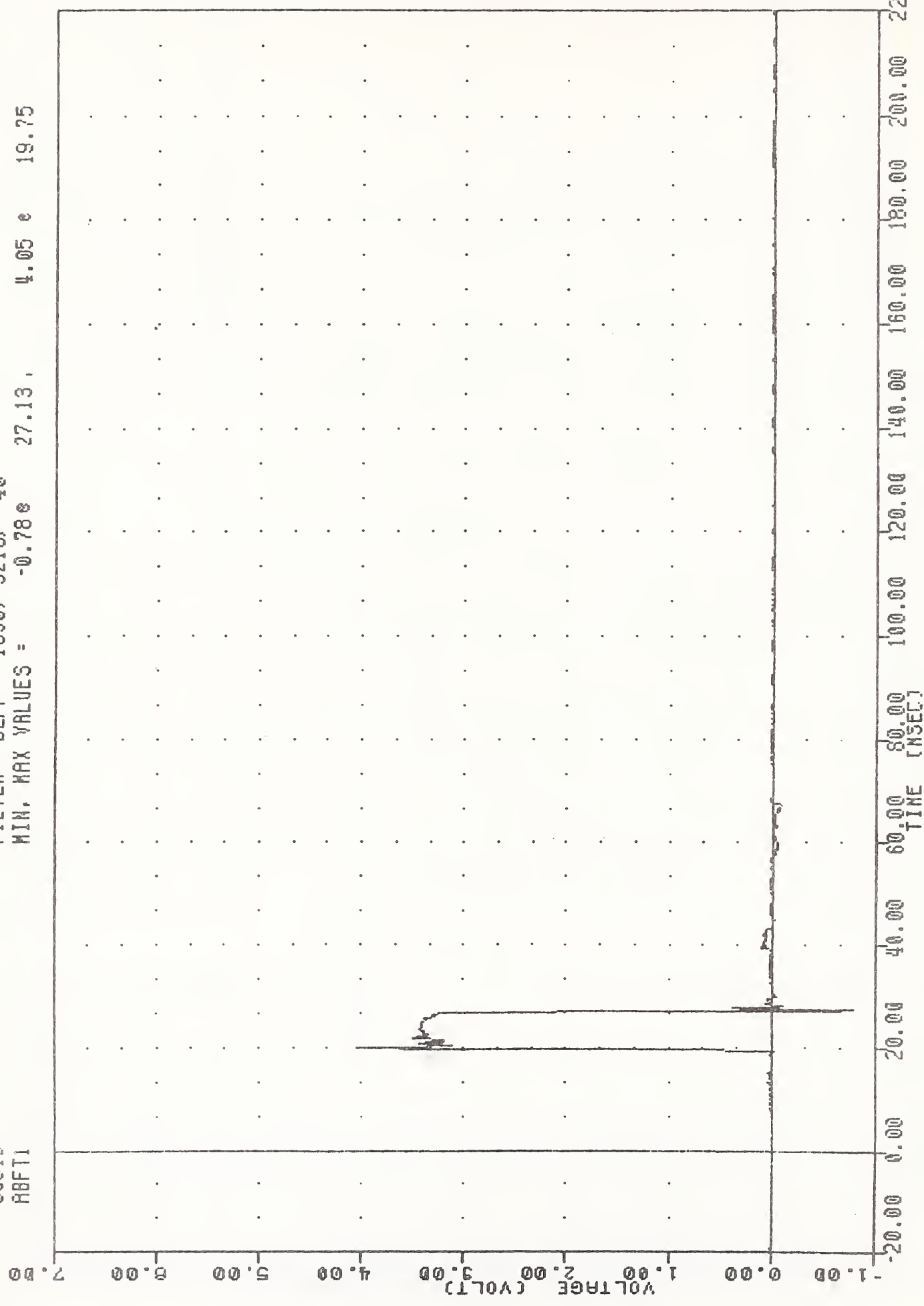


AIRBAG DEMONSTRATION PROGRAM  
FLOOR PAN TUNNFI ACCIFFRATION

WRTC , RD583-2-21  
 AIRBAG DEMONSTRATION PROGRAM  
 83318  
 RBFT1

FLOT DATE 14-NOV-83 12:22:07

FILTER = BLFF 1650 / 5218 / .40  
 MIN. MAX VALUES = -0.78e 27.13, 4.05 e 19.75

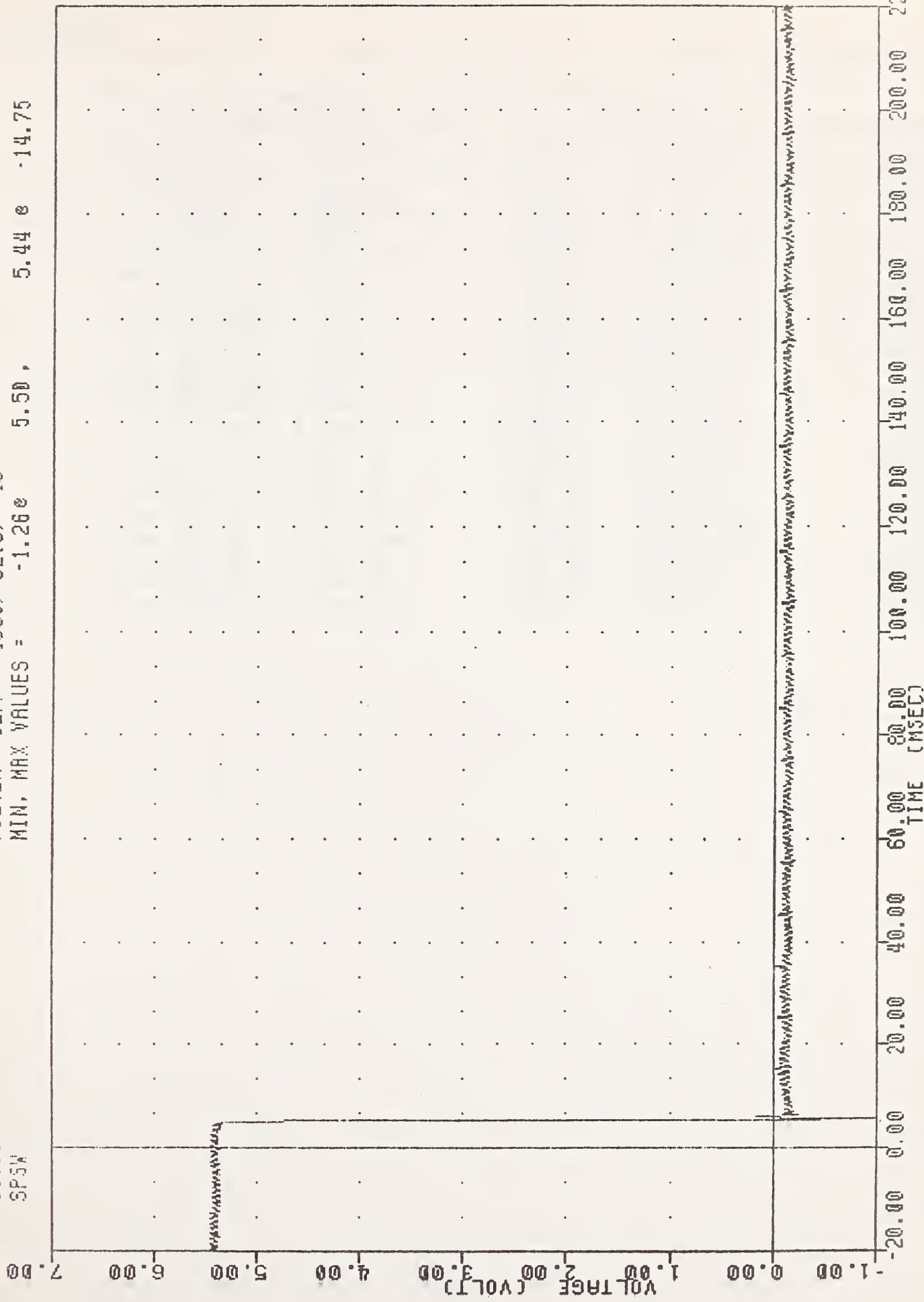


AIRBAG DEMONSTRATION PROGRAM  
 AIR BAG FIRING EVENT 50TH PERCENTILE

WRTC  
RD583-2-21  
AIRBAG DEMONSTRATION PROGRAM  
89312  
SP5W

PLOT DATE 14-NOV-83 12:22:07

FILTER = BLPF 1650/ 5218/ -40  
MIN. MAX VALUES = -1.26e 5.50, 5.44 e -14.75



AIRBAG DEMONSTRATION PROGRAM  
SLED POSITION SWITCH

		Min value		Max value		Unit
1	SPSW	-0.843	@ 5.625	5.439	@ -13.000	msec volt
2	SLDXGC	-0.568	@ 223.875	20.853	@ 59.875	msec g
3	SLDXVC	-0.013	@ -11.125	33.145	@ 132.500	msec mph
4	SLDXV	-0.029	@ -3.750	32.394	@ 141.250	msec mph
5	FTUXG	-1.387	@ 239.000	22.386	@ 56.250	msec g
6	ABFT1	-0.694	@ 27.250	3.932	@ 19.875	msec volt
7	HEDXG1	-52.079	@ 95.875	25.148	@ 210.875	msec g
8	HEDXV1	-43.294	@ 182.750	0.162	@ 34.000	msec mph
9	HEDYG1	-12.737	@ 115.750	5.079	@ 212.500	msec g
0	HEDZG1	-29.749	@ 104.500	7.619	@ 210.750	msec g
1	CSTXG1	-53.085	@ 105.500	7.493	@ 270.000	msec g
2	CSTXV1	-42.338	@ 136.500	0.042	@ 26.625	msec mph
3	CSTYG1	-8.178	@ 106.000	1.146	@ 216.125	msec g
4	CSTZG1	-5.646	@ 116.000	6.599	@ 82.750	msec g
5	PEVXG1	-84.951	@ 81.875	2.684	@ 299.375	msec g
6	PEVYG1	-5.023	@ 61.000	2.699	@ 101.750	msec g
7	PEVZG1	-24.341	@ 95.500	4.138	@ 57.875	msec g
8	CSTXD	-0.022	@ 40.000	0.614	@ 111.625	msec in
9	LFMF1	-1957.783	@ 83.500	401.156	@ 25.750	msec lb
0	RFMF1	-1604.023	@ 82.375	445.987	@ 25.750	msec lb
1	HEDRG1	0.014	@ -25.000	56.361	@ 96.250	msec g
2	CSTRG1	0.006	@ 0.875	53.787	@ 105.500	msec g
3	PEVRG1	0.009	@ -7.000	86.459	@ 81.875	msec g

Uni - \* \* \* HIC computation for TRC234I 15-NOV-83 14:02:29

olt HEDRG1 VRTC RD583-2-22 83319 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 56.36 @ 96.250

HIC = 501.60 Interval from 89.500 [ 917] to 124.125 [1194]

HIC = 300.85 Interval from 93.625 [ 950] to 108.625 [1070]

Elapsed time = 9.99 sec

Enter channel [,stop time] -->EXIT

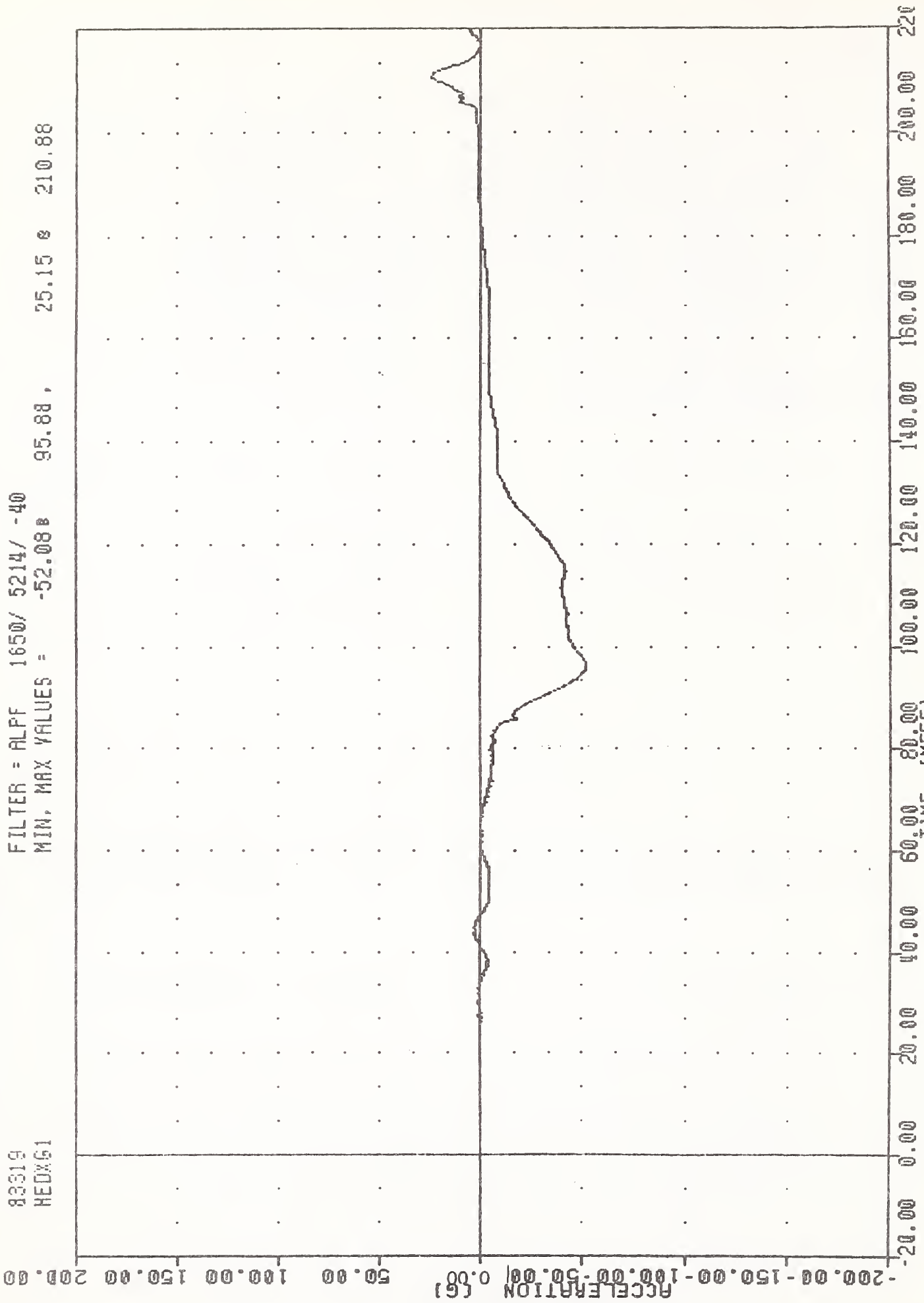
Enter input filespec -->EXIT

\$

VRTC , R0588-2-22  
AIRBAG DEMONSTRATION PROGRAM  
82319  
HEDX61

PLOT DATE 15-NOV-83 13:51:48

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -52.088 95.88, 25.15 210.88



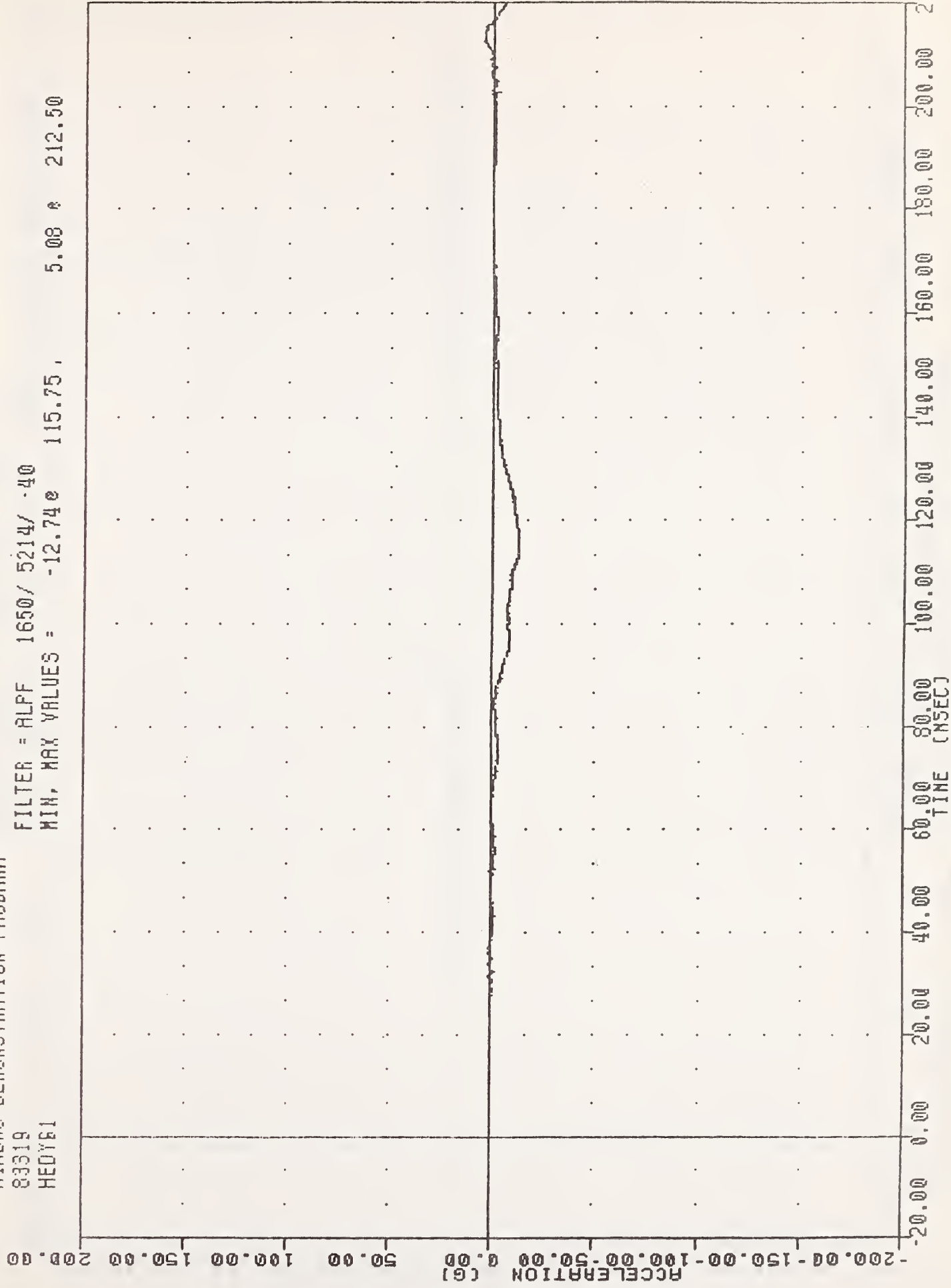
AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Y AXIS 50TH PERCENTILE



WRTC , RD583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
83319  
HEDY61

PLOT DATE 15-NOV-83 13:51:48

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -12.74e 115.75, 5.08 e 212.50



AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

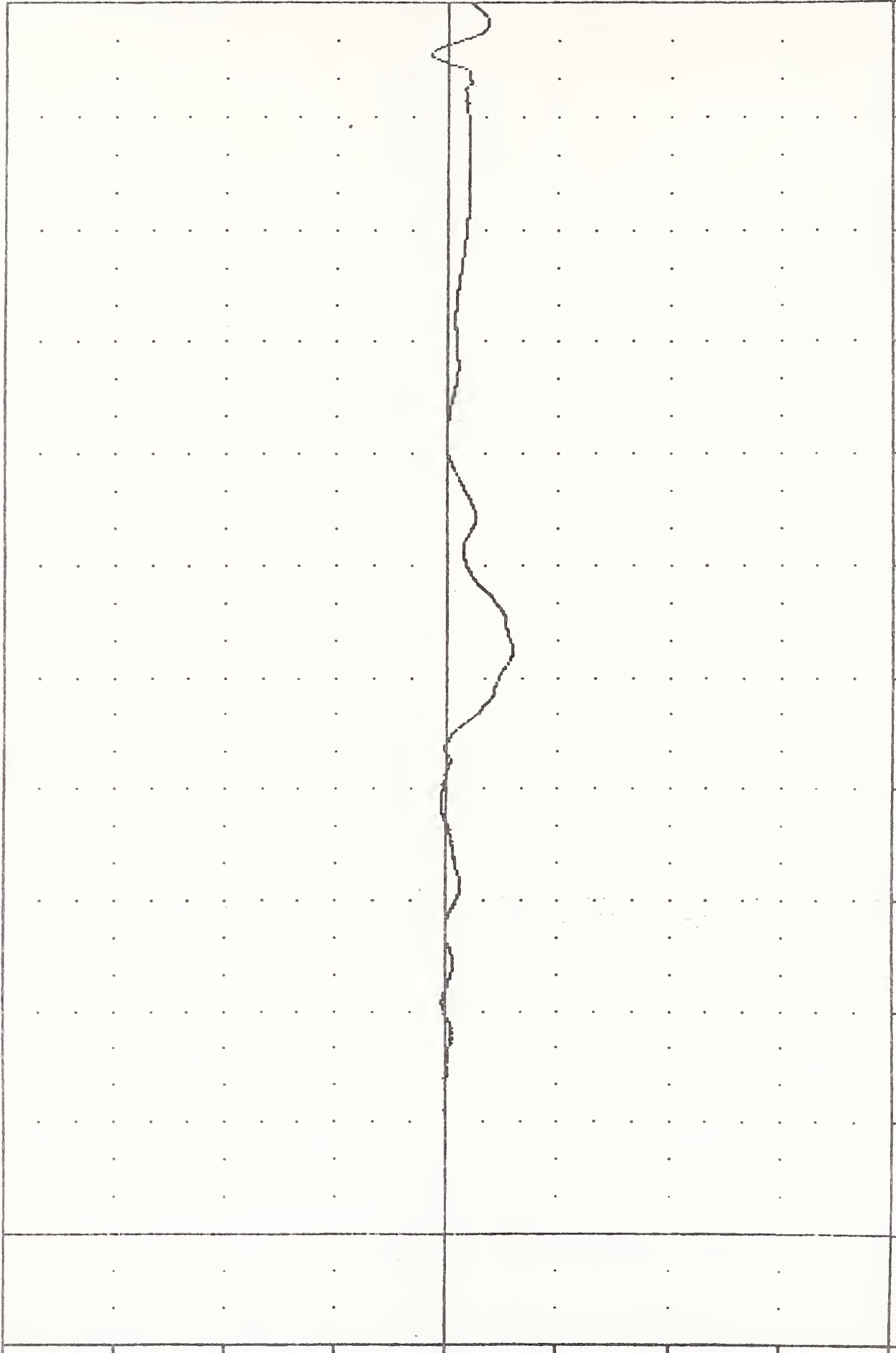


VRTC , R0583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
83319  
HEADIG1

PLOT DATE 15-NOV-83 13:51:48

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -29.758 104.50 , 7.62 e 210.75

ACCELERATION (G)



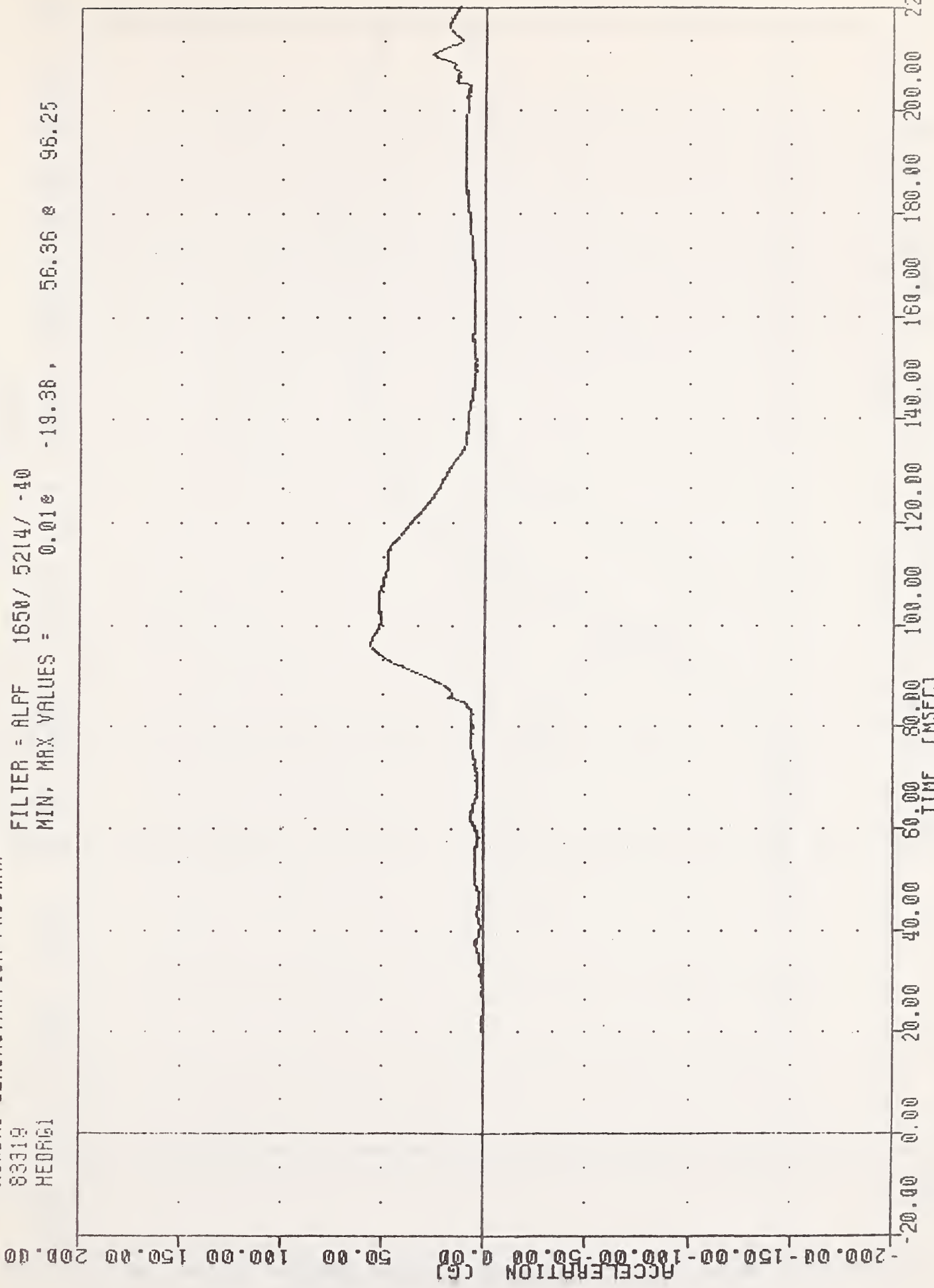
-200.00 -150.00 -100.00 -50.00 0.00 50.00 100.00 150.00 200.00 200.00  
TIME (MSEC) 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION 7 AXIS 50TH PERCENTILE

VR7C , R0583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
83319  
HEAD61

PLOT DATE 15-NOV-63 13:51:48

FILTER = ALFF 1650/ 5214/ -40  
MIN, MAX VALUES = 0.01e -19.36 , 56.36 e 95.25



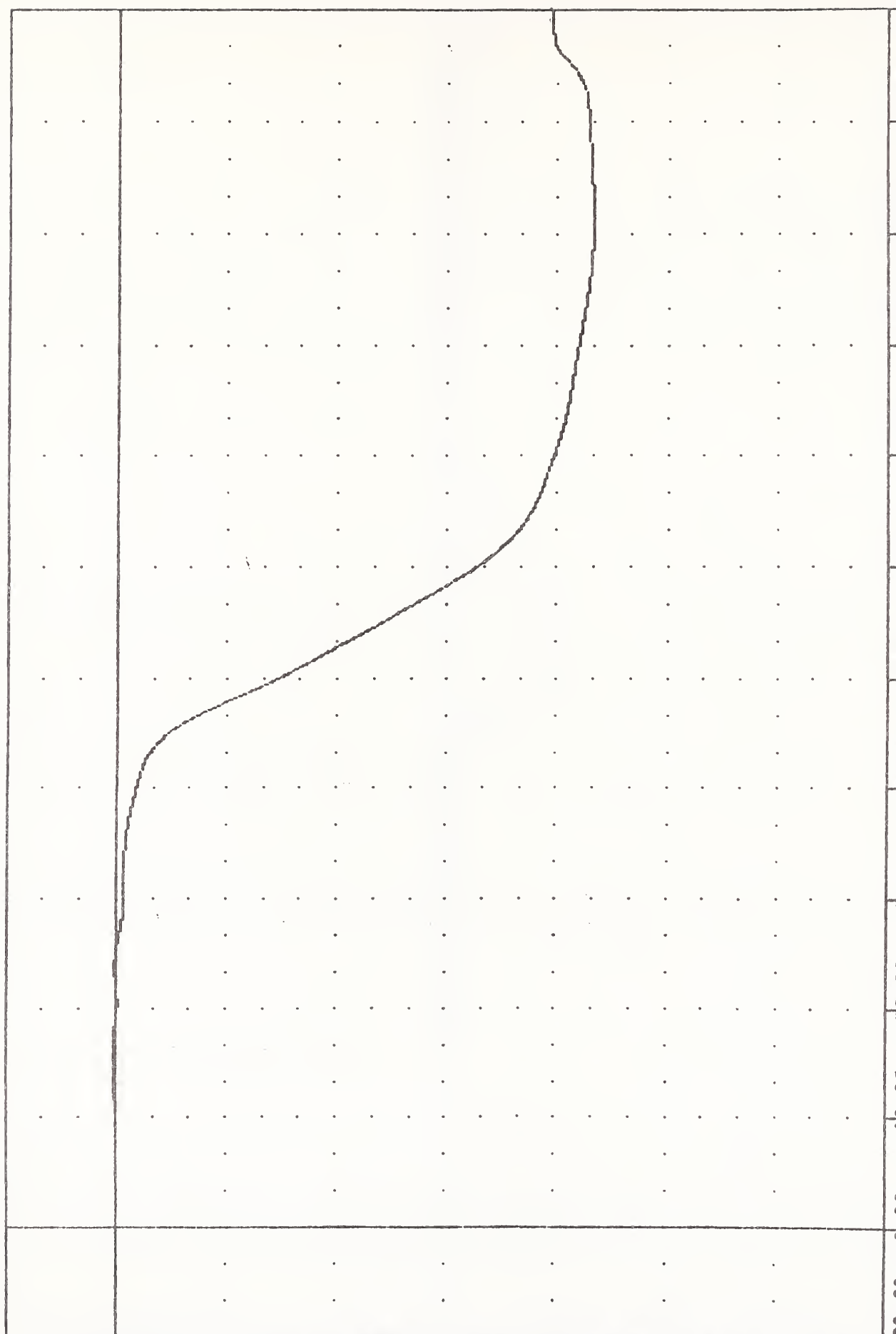
AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

VRTC , PD583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
83319  
HEDXY1

PLOT DATE 15-NOV-83 13:51:48

FILTER = ALFF 1650/ 5214/ -40  
MIN. MAX VALUES = -43.29e 182.75, 0.16 e 34.00

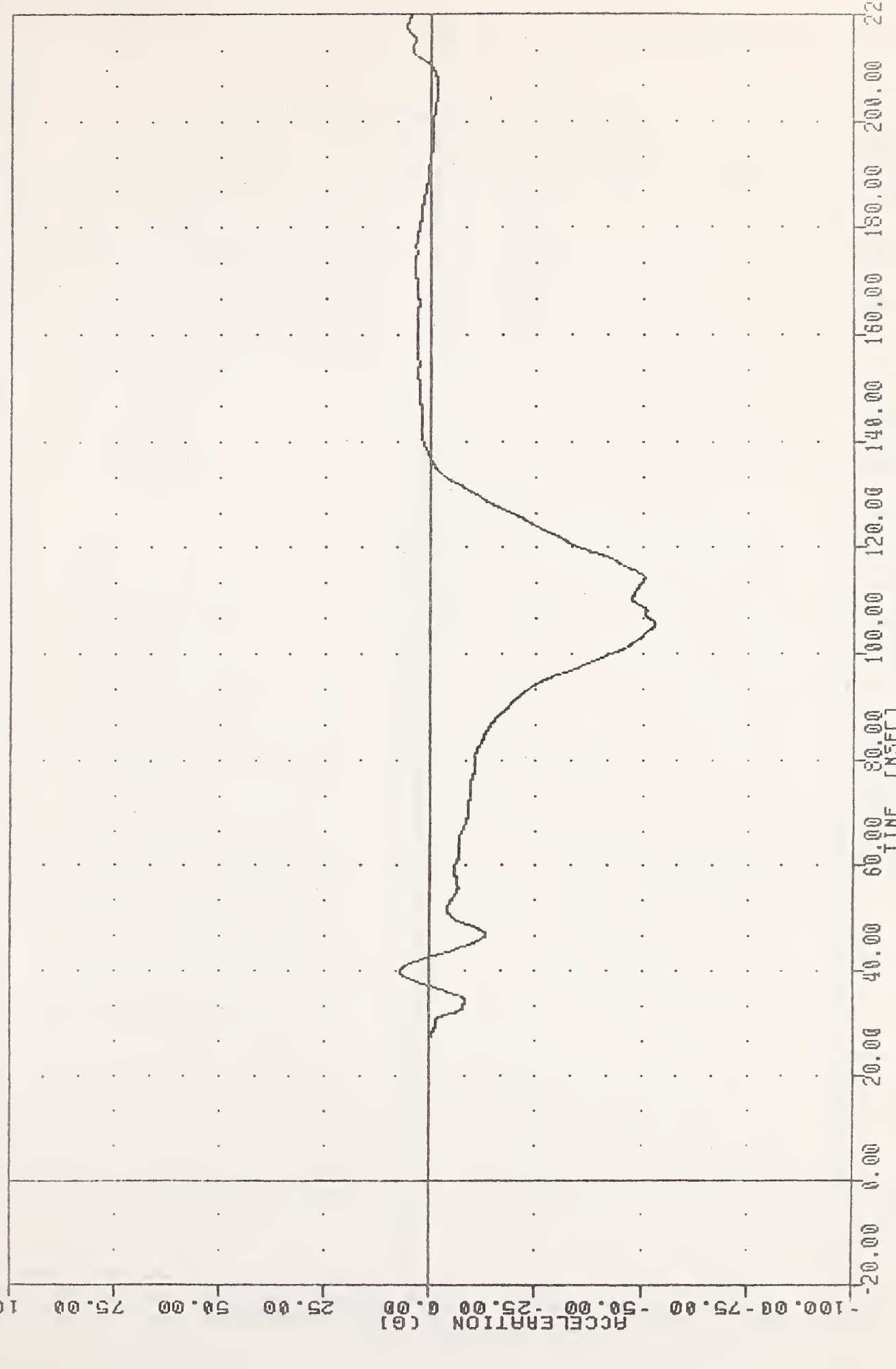
VELOCITY (MPH)  
-70.00  
-60.00  
-50.00  
-40.00  
-30.00  
-20.00  
-10.00  
0.00  
10.00



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

AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS 50TH PERCENTILE

VRTC , RD583-2-22  
 AIRBAG DEMONSTRATION PROGRAM  
 83318  
 CSTX61

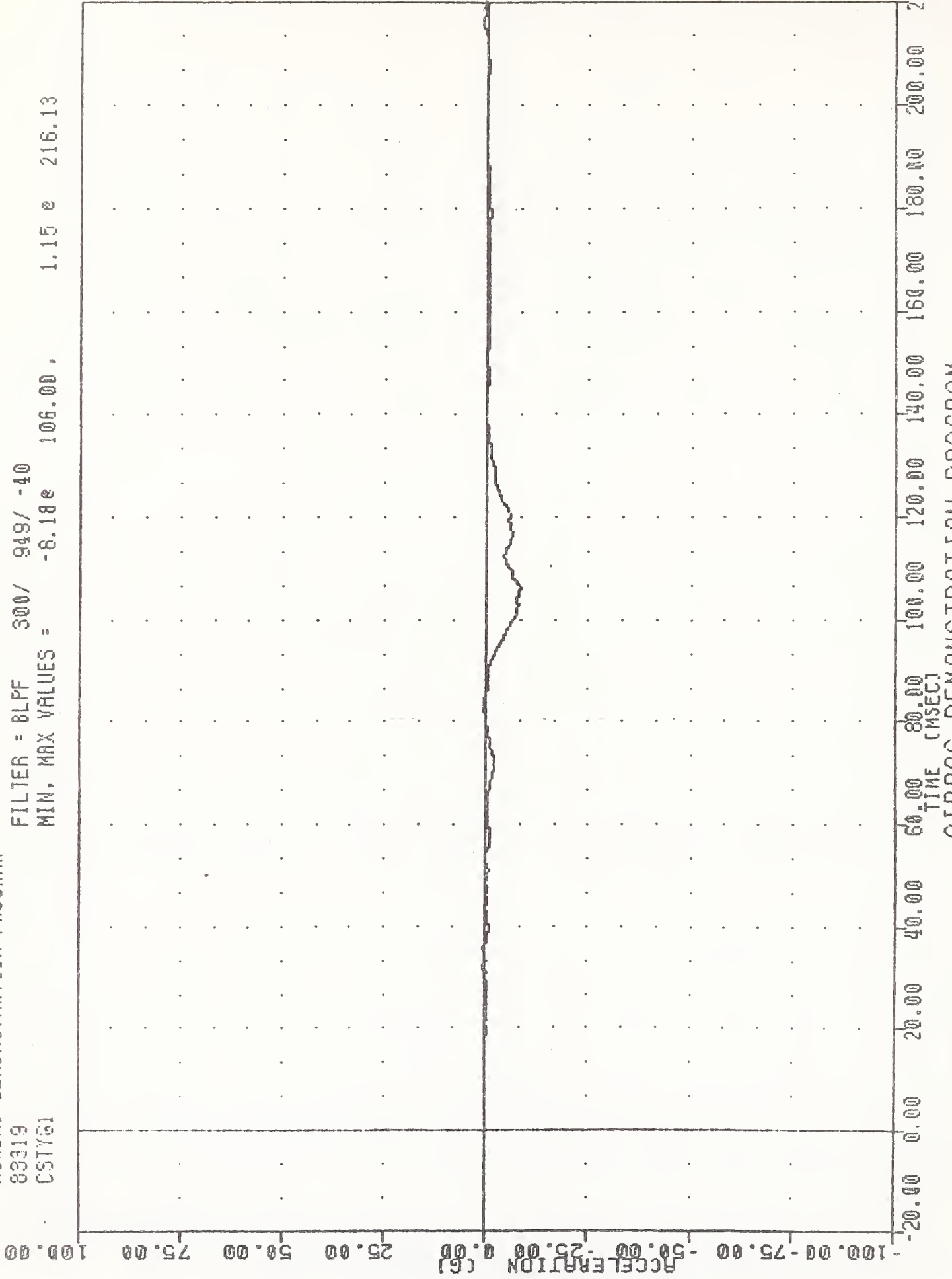


AIRBAG DEMONSTRATION PROGRAM  
 CHEST ACCELERATION X AXIS 50TH PERCENTILE

WMC , RD583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
83319  
CSTY61

PLUT DATE 15-NOV-83 13:51:48

FILTER = 8LPF 300/ 949/ -40  
MIN. MAX VALUES = -8.18e 106.00, 1.15 e 216.13

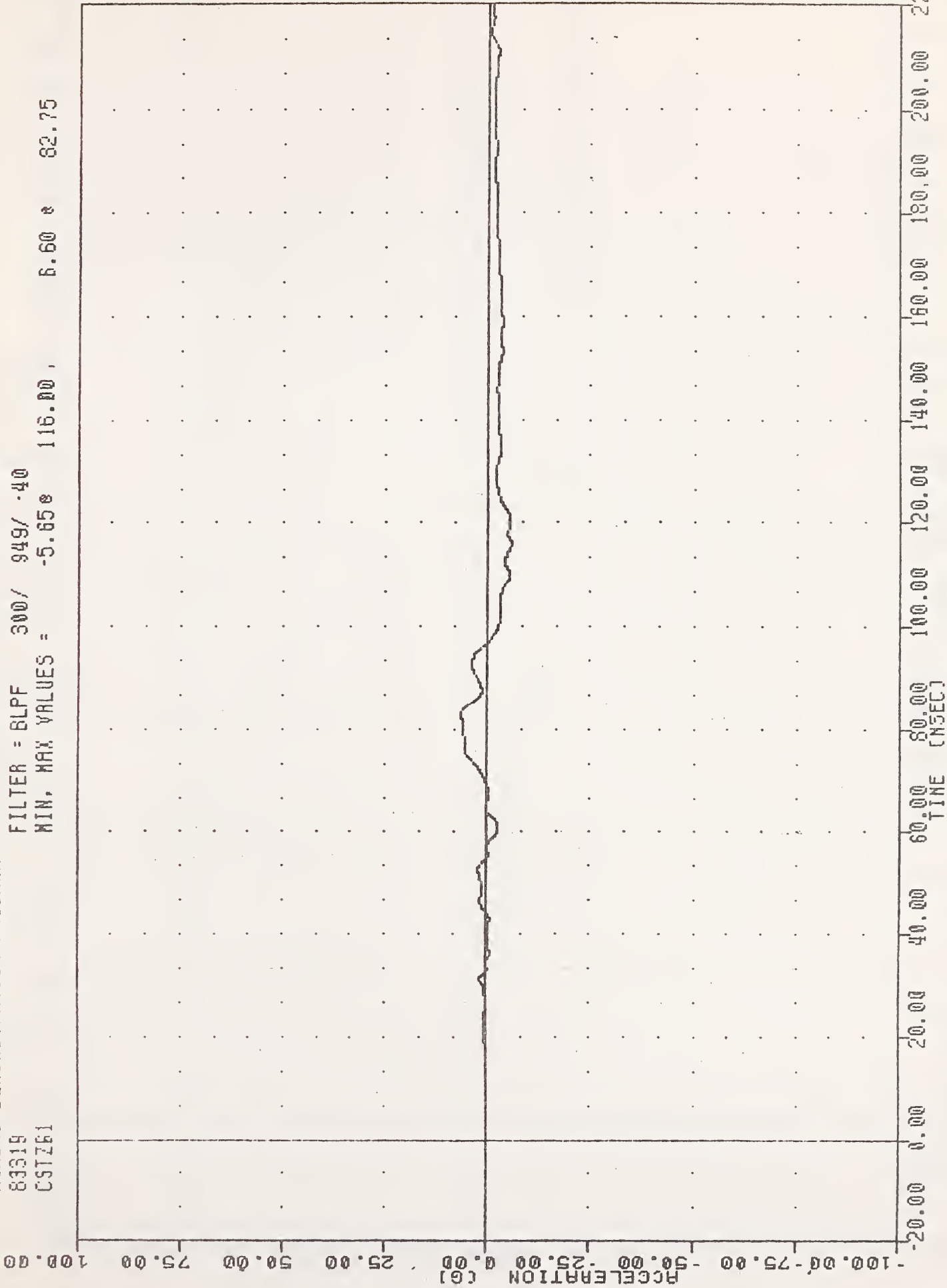


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

VATC , RD583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
83319  
CSTZ61

PLOT DATE 15-NOV-83 13:51:48

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -5.658 116.00 , 6.60 82.75



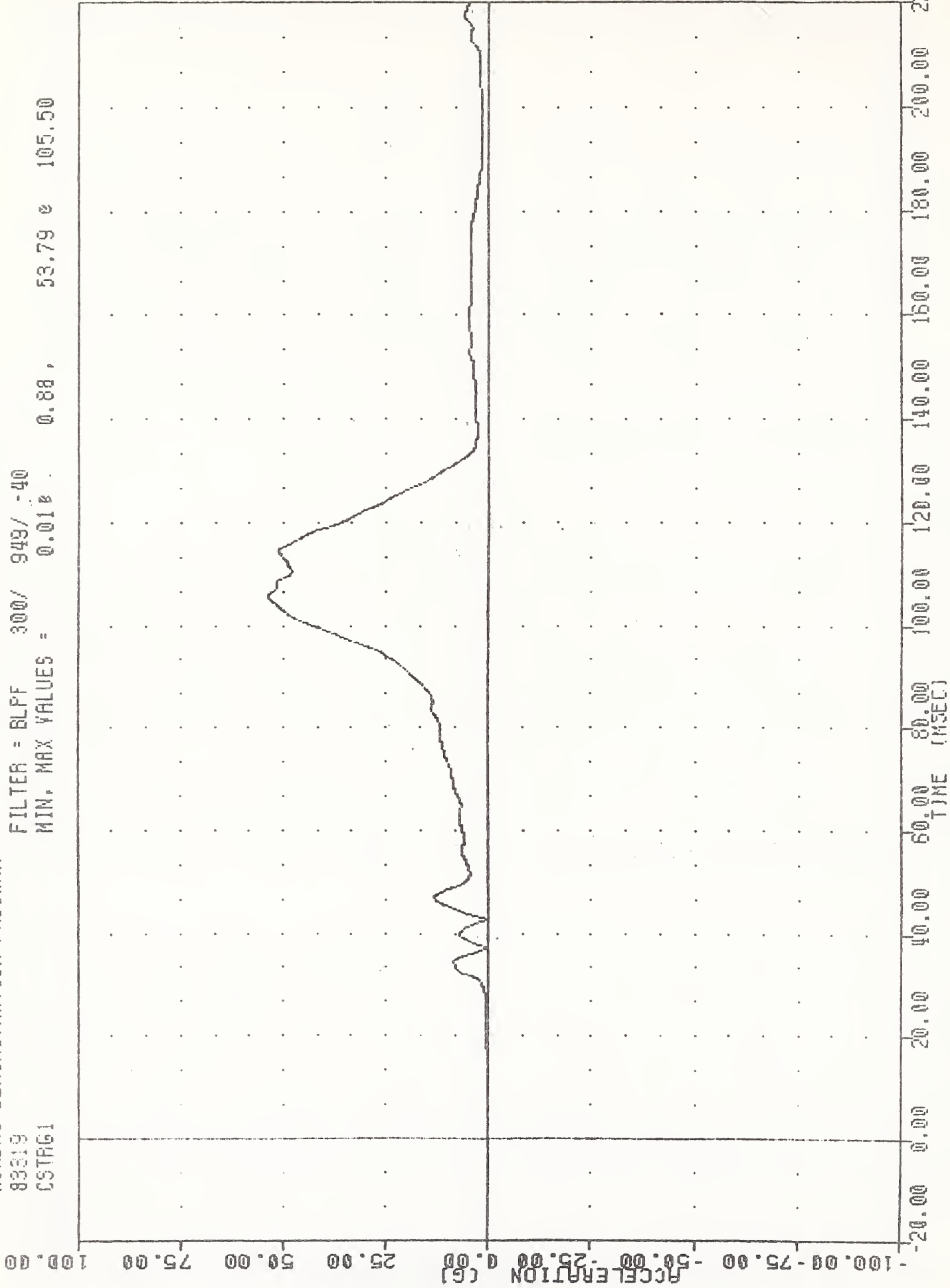
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 50TH PERCENTILE



YRTC , R0583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
83319  
CSTRG1

PLOT DATE 15-NOV-83 13:51:48

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = 0.018 0.88, 53.79 e 105.50



AIRBAG DEMONSTRATION PROGRAM  
CHEST RESUANT ACCELERATION FIFTH PERCENTILE



NRTC  
AIRBAG DEMONSTRATION PROGRAM  
83319  
CSTXV1

PLOT DATE 15-NOV-83 13:51:48

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -42.348 136.50, 0.04 e 26.63

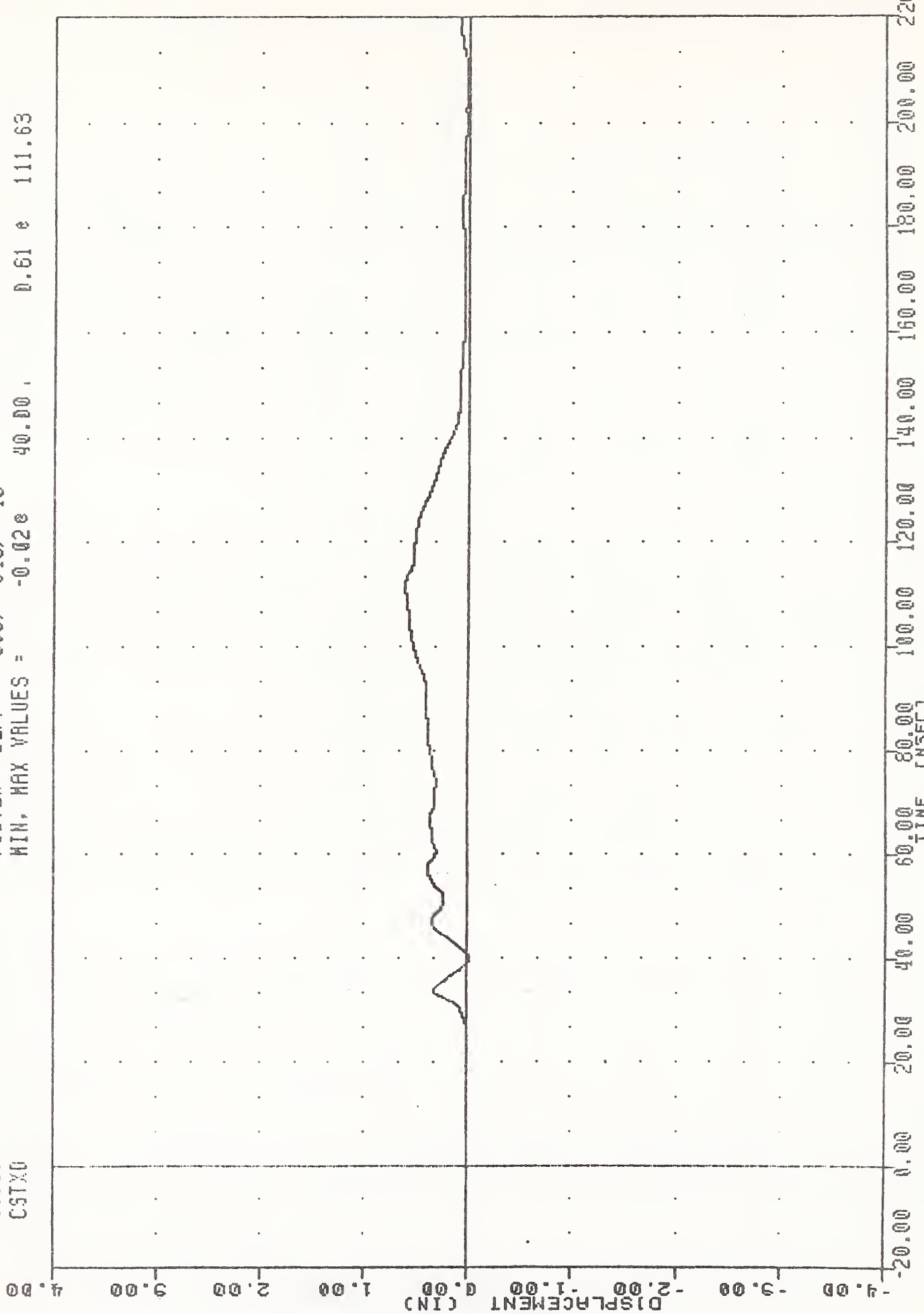


AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY X AXIS 50TH PERCENTILE

VRTC  
AIRBAG DEMONSTRATION PROGRAM  
83319  
CSTXD

PLOT DATE 15-NOV-83 13:51:48

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -0.02e 40.00, 0.61 e 111.63



AIRBAG DEMONSTRATION PROGRAM  
CHEST DISPACEMENT 50TH PERCENTILE

VRIC  
AIRBAG DEMONSTRATION PROGRAM  
83319  
PEVXG1

PLOT DATE 15-NOV-83 13:51:48

FILTER = 6LPF 300V/ 949/ -40  
MIN, MAX VALUES = -84.958 81.86, 0.74 e 64.86



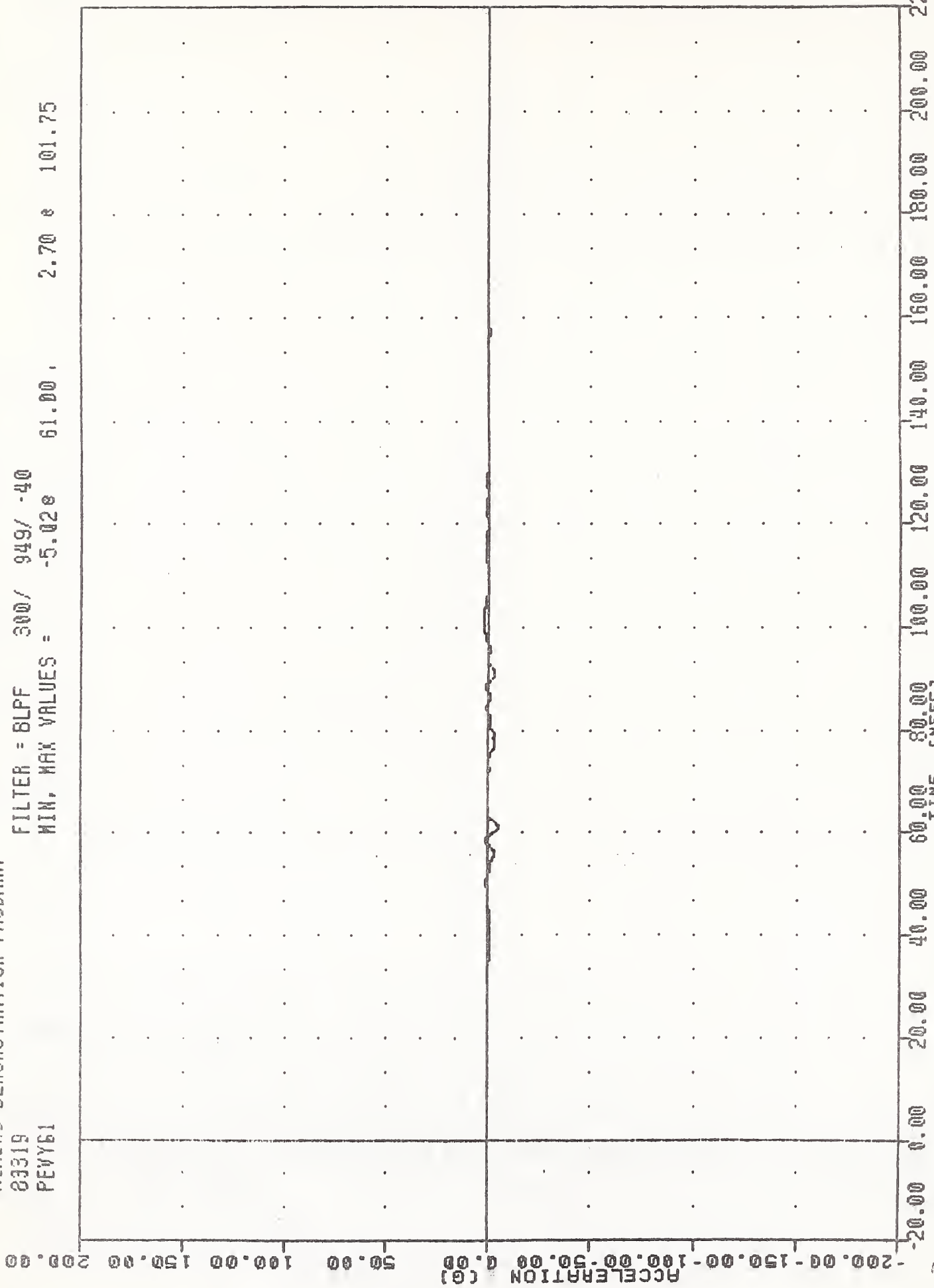
AIRBAG DEMONSTRATION PROGRAM  
PFIWIS ACCELERATION Y AXIS 5MTH PERCENTILE

VRTC , RD583-2-22  
 AIRBAG DEMONSTRATION PROGRAM  
 03319  
 PEVY61

PLOT DATE 15-NOV-83 13:51:48

FILTER = 6LPF 300/ 949/ -40

MIN, MAX VALUES = -5.028 61.00, 2.70 & 101.75

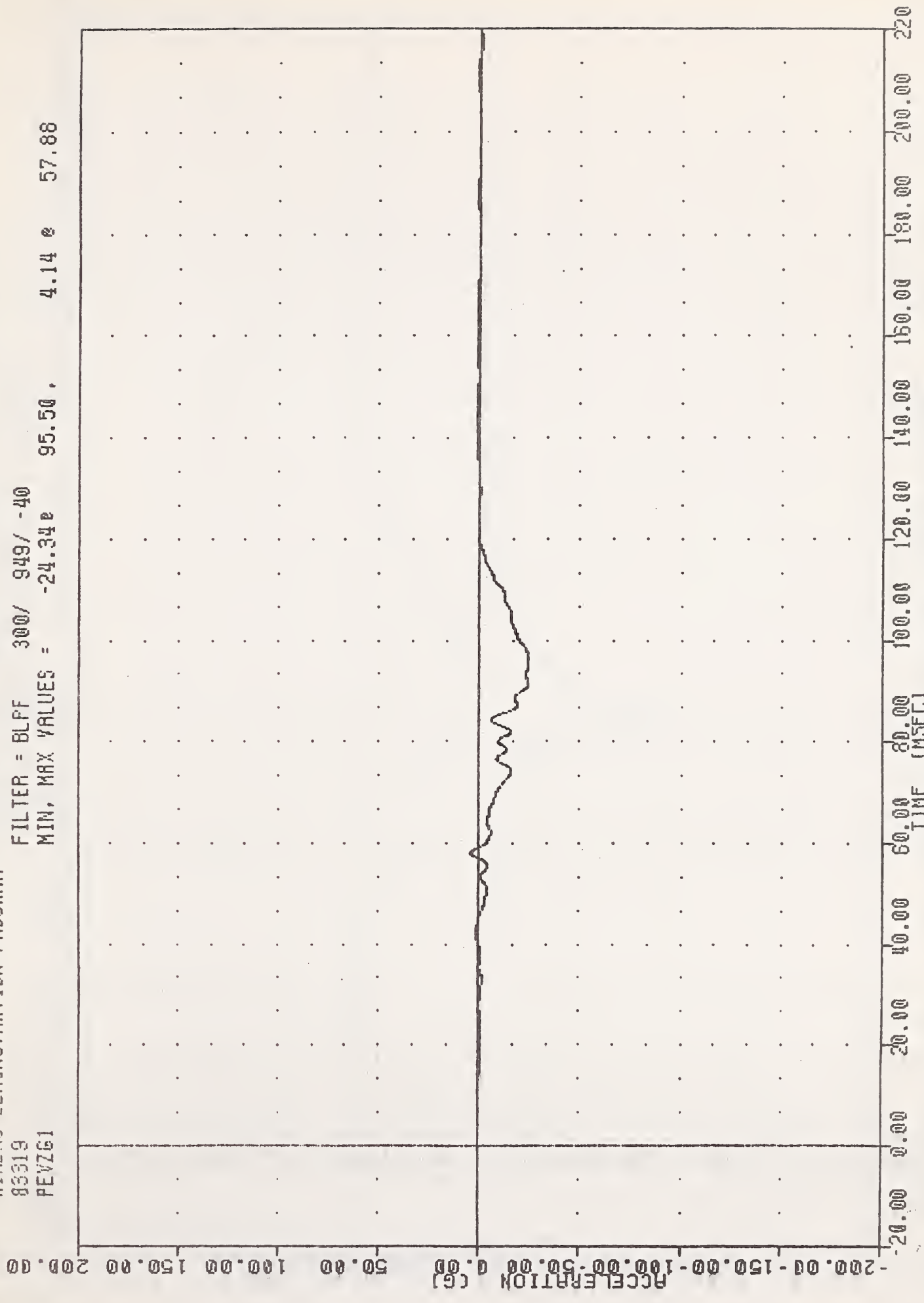


AIRBAG DEMONSTRATION PROGRAM  
 PEVY61 ACCELERATION Y AXIS 50TH PERCENTILE

VRTC  
 AIRBAG DEMONSTRATION PROGRAM  
 83319  
 PEVZG1

PLOT DATE 15-NOV-83 13:51:48

FILTER = BLPF 300/ 949/ -40  
 MIN, MAX VALUES = -24.34e 95.50, 4.14 e 57.88

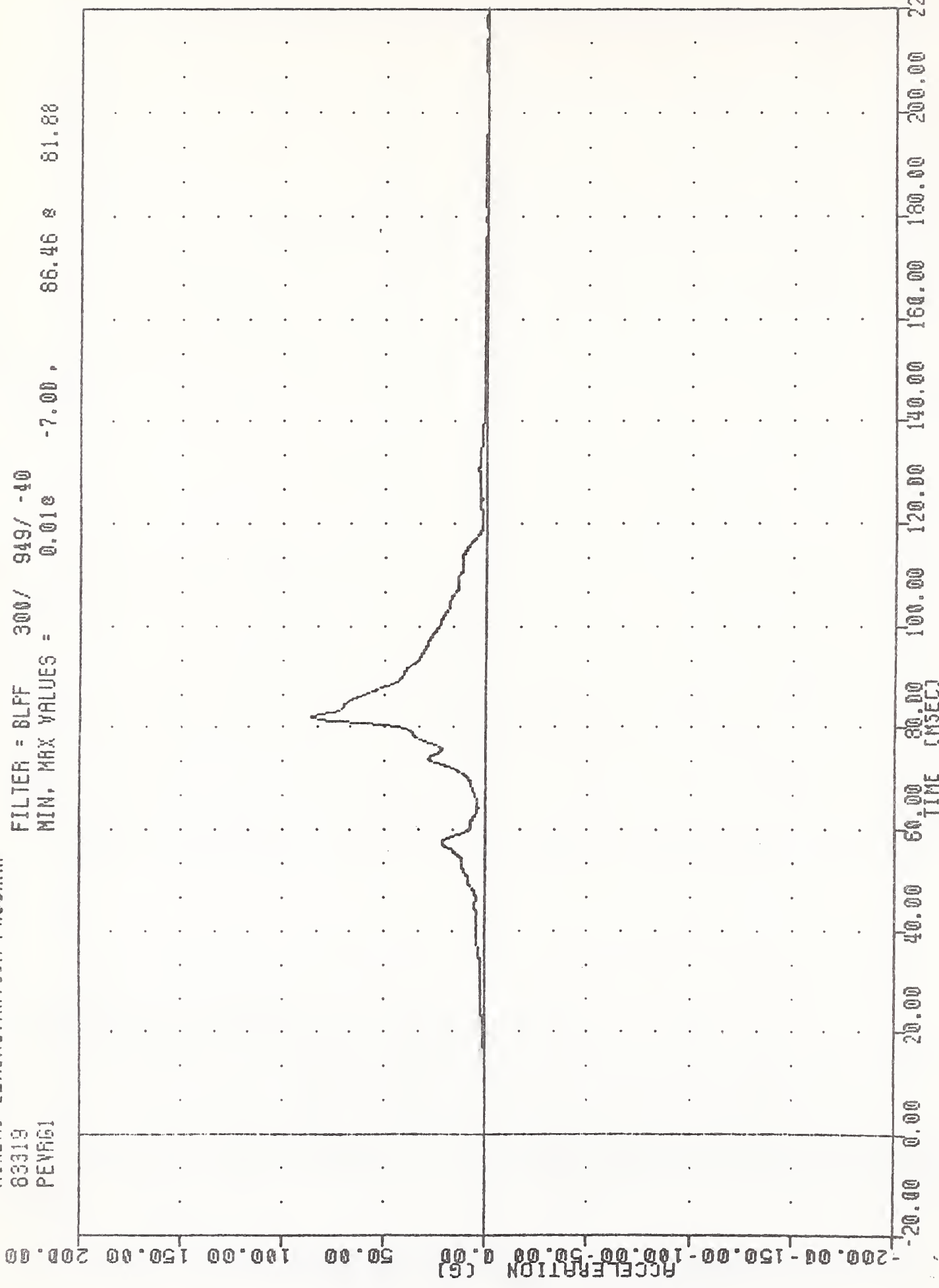


AIRBAG DEMONSTRATION PROGRAM  
 PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

VR10  
AIRBAG DEMONSTRATION PROGRAM  
83319  
PEVRS1

PLOT DATE 15-NOV-83 13:51:48

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = 0.01e -7.00, 86.46 e 81.88



AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE



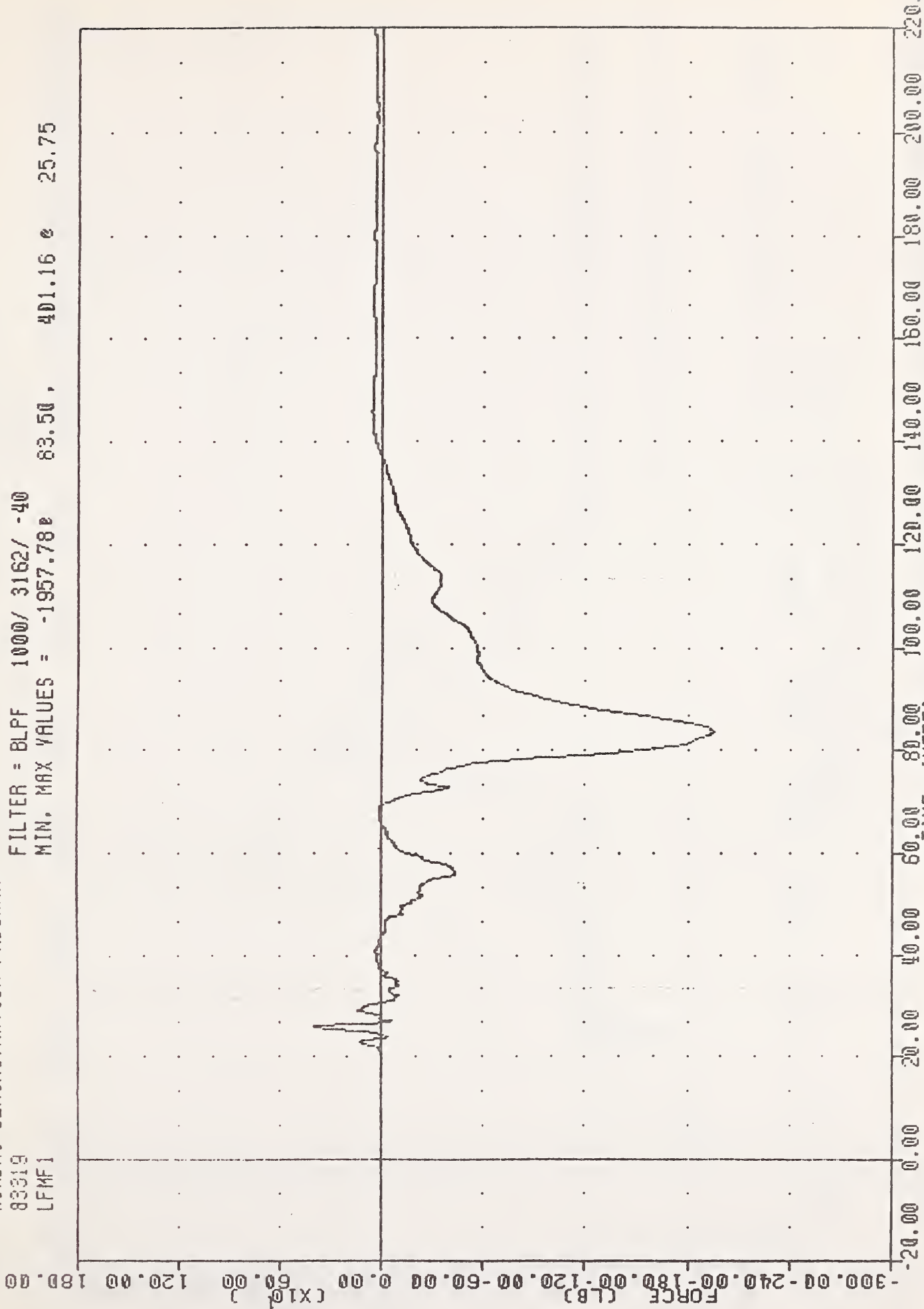
NYTC  
AIRBAG DEMONSTRATION PROGRAM  
83319  
LFMF1

, RU583-2-22

PLOT DATE 15-NOV-83

13:51:48

FILTER = BLPF 1000/ 3162/ -40  
MIN. MAX VALUES = -1957.780 83.50, 401.160 25.75



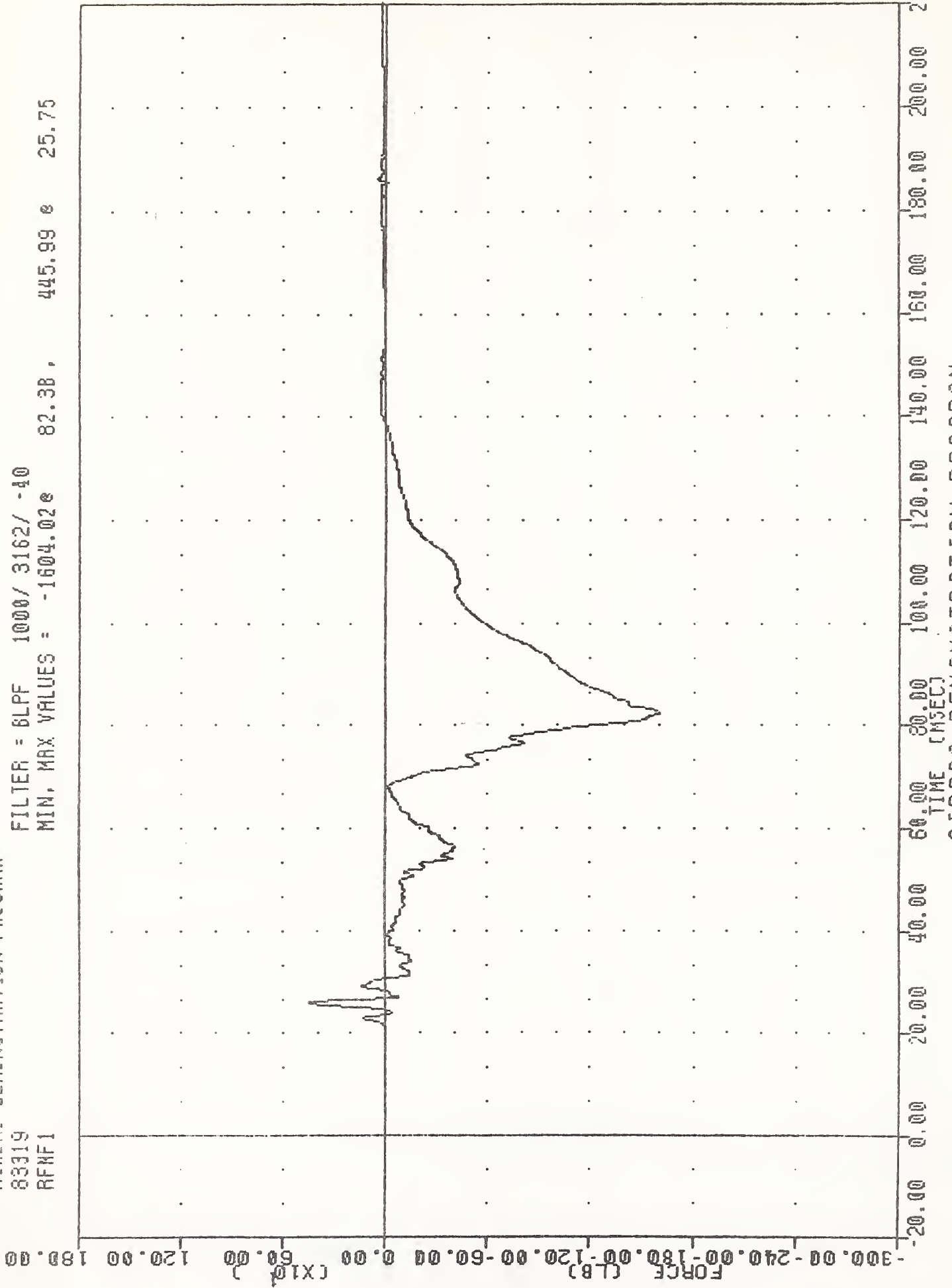
AIRBAG DEMONSTRATION PROGRAM  
LEFT FEMUR FORCE IN LBS 50TH PERCENTILE



VRTC , RD583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
83319  
RNF1

PLOT DATE 15-NOV-83 13:51:48

FILTER = 6LPF 1000/ 3162/ -40  
MIN. MAX VALUES = -1604.02e 82.38 , 445.99 e 25.75



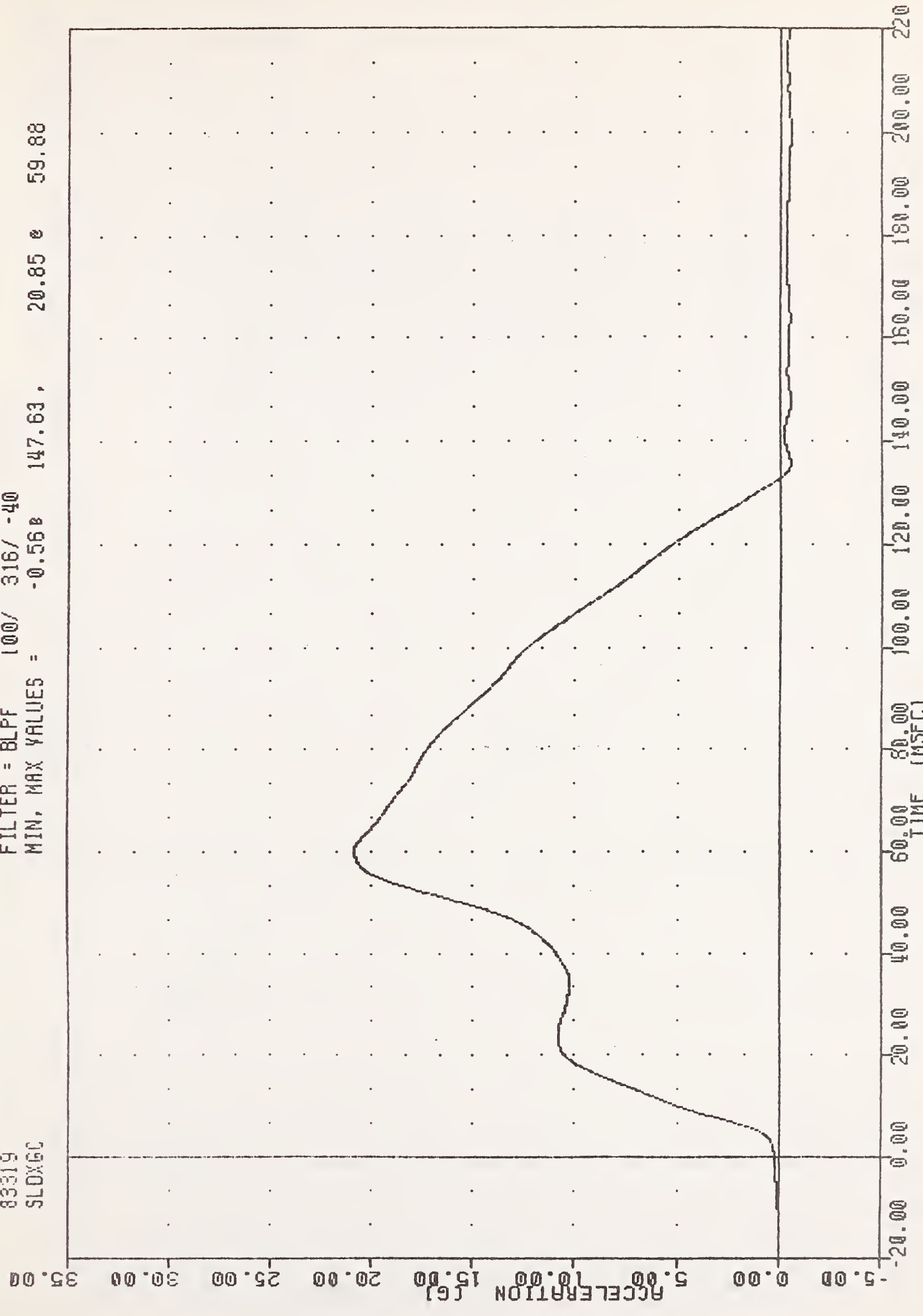
AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

RIGHT FRONT TOWER IN LOG SCALE PERCENTAGE

VRIC , RD583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
83319  
SLDXGC

FLOT DATE 15-NOV-83 13:51:48

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.568 147.63, 20.85 @ 59.88



AIRBAG DEMONSTRATION PROGRAM  
SLED ACCELERATION

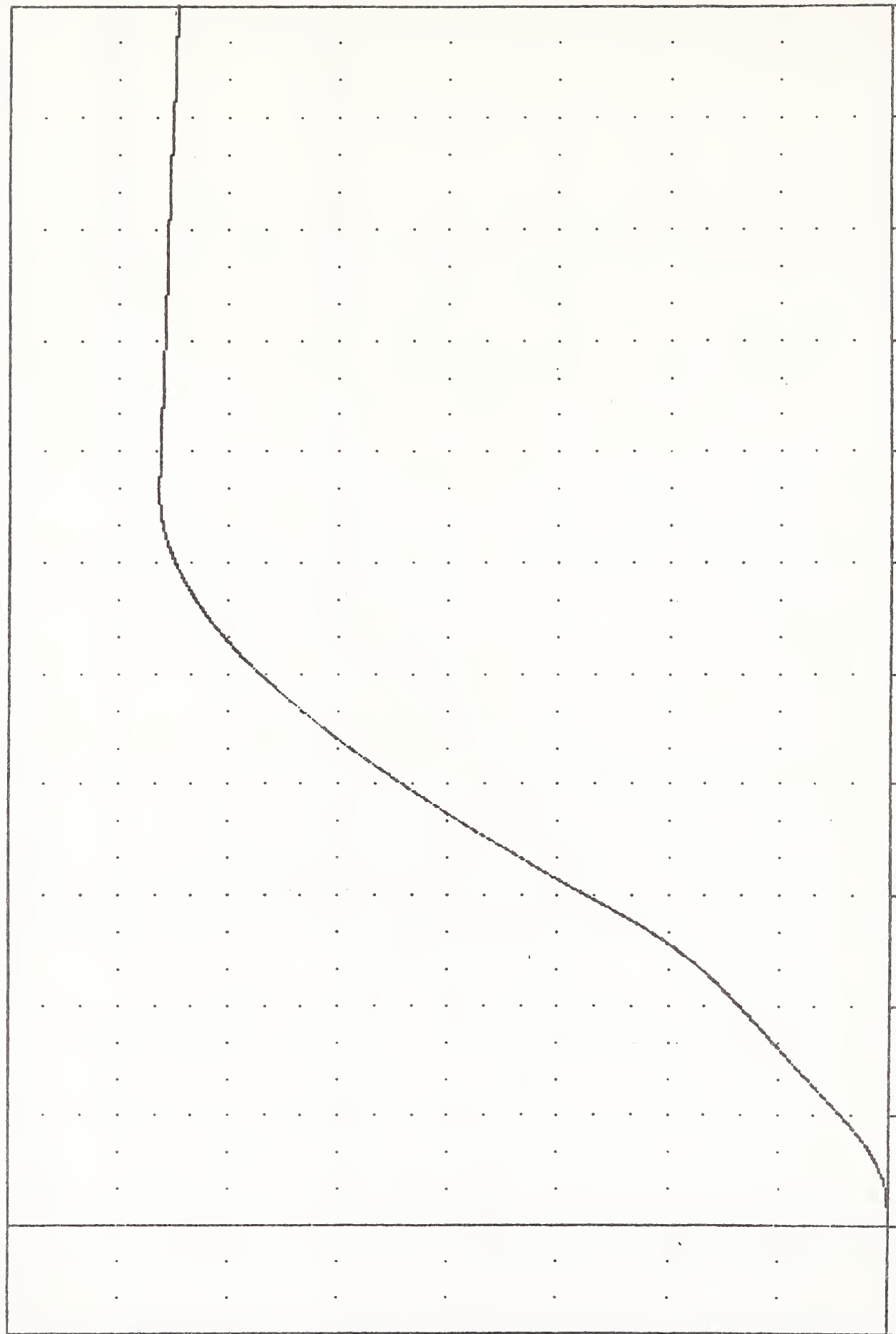
WHIC , RD583-2-22  
AIRBAG DEMONSTRATION PROGRAM  
63319  
SLOXVC

PLOT DATE 15-NOV-83 13:51:48

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.01e -11.13, 33.15 8 132.50

40.00  
35.00  
30.00  
25.00  
20.00  
15.00  
10.00  
5.00  
0.00  
-20.00

VELOCITY (MPH)



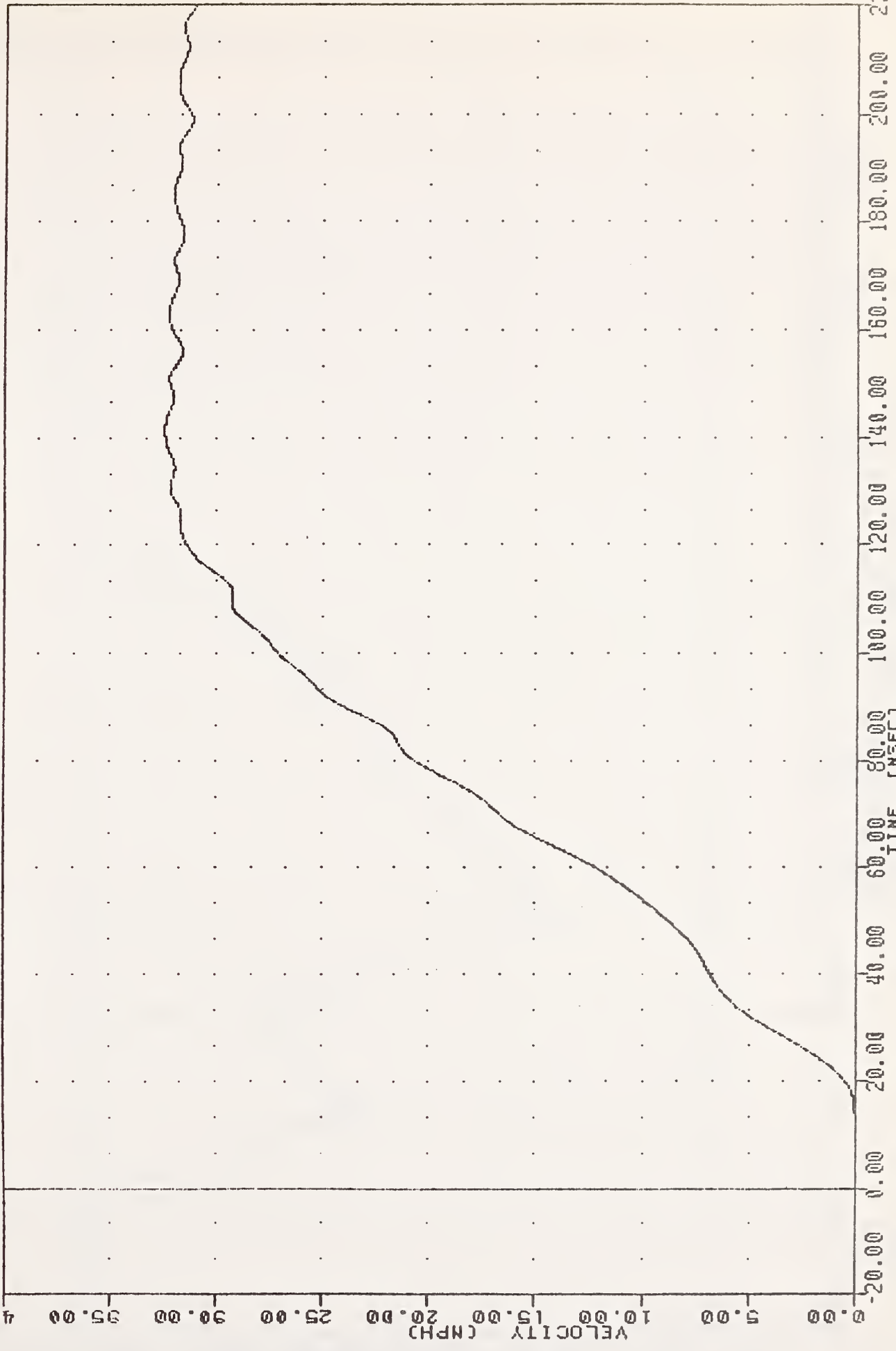
220.00  
200.00  
180.00  
160.00  
140.00  
120.00  
100.00  
80.00  
60.00  
40.00  
20.00  
0.00  
-20.00

TIME (MSEC)  
AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SLED VELOCITY

DATE 15-NOV-83 13:51:48  
AIRBAG DEMONSTRATION PROGRAM

FILTER = BLPF 100/ 316/ -40  
MIN. MAX VALUES = -0.03e -3.75, 32.39 e 141.25

83319  
SLOXY

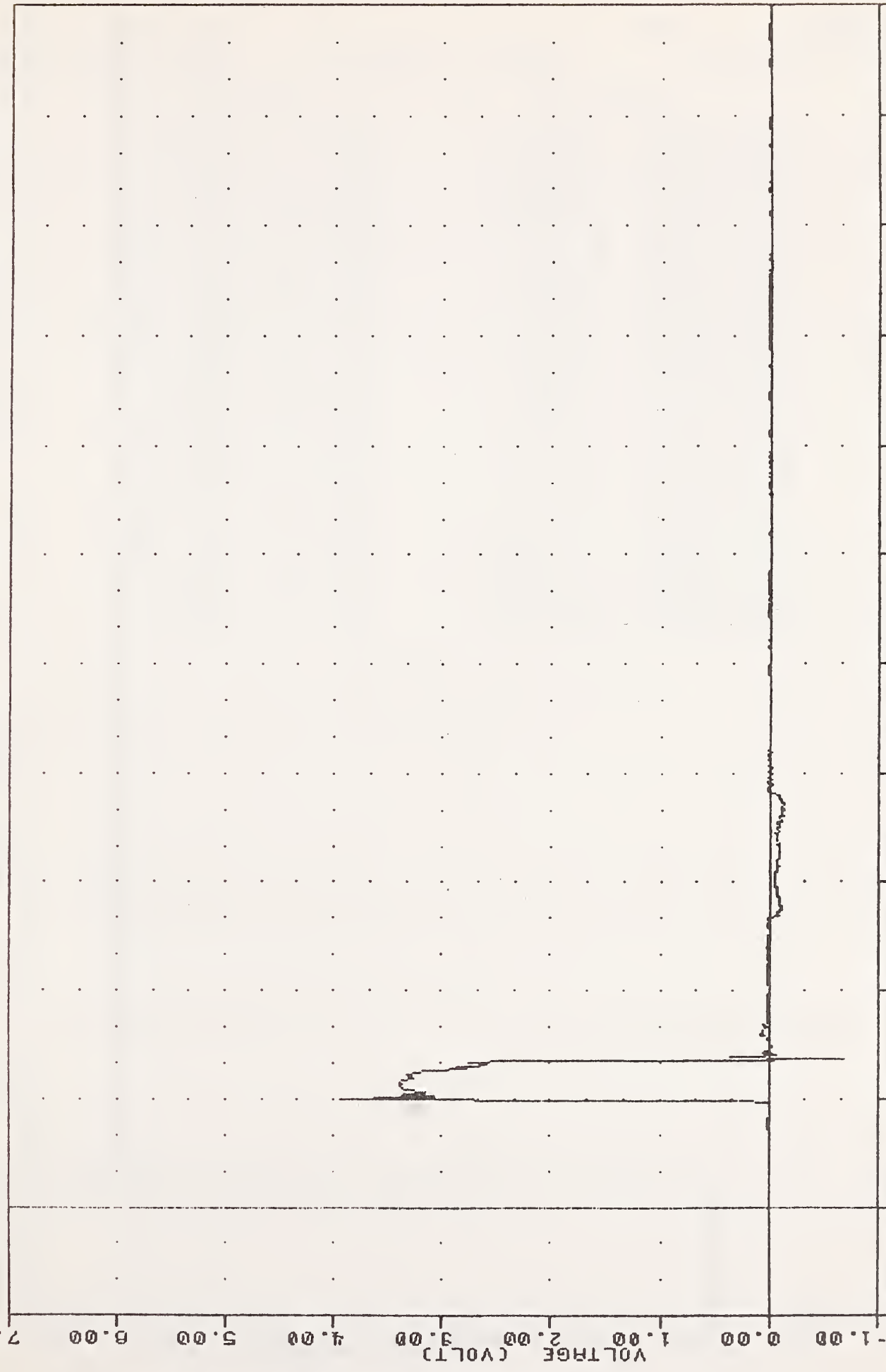


AIRBAG DEMONSTRATION PROGRAM  
SLED VELOCITY



AIRBAG DEMONSTRATION PROGRAM  
 63319  
 ABFT:

FILTER = BLPF 1650/ 5218/ .40  
 MIN, MAX VALUES = -0.698 27.25 3.93 19.88



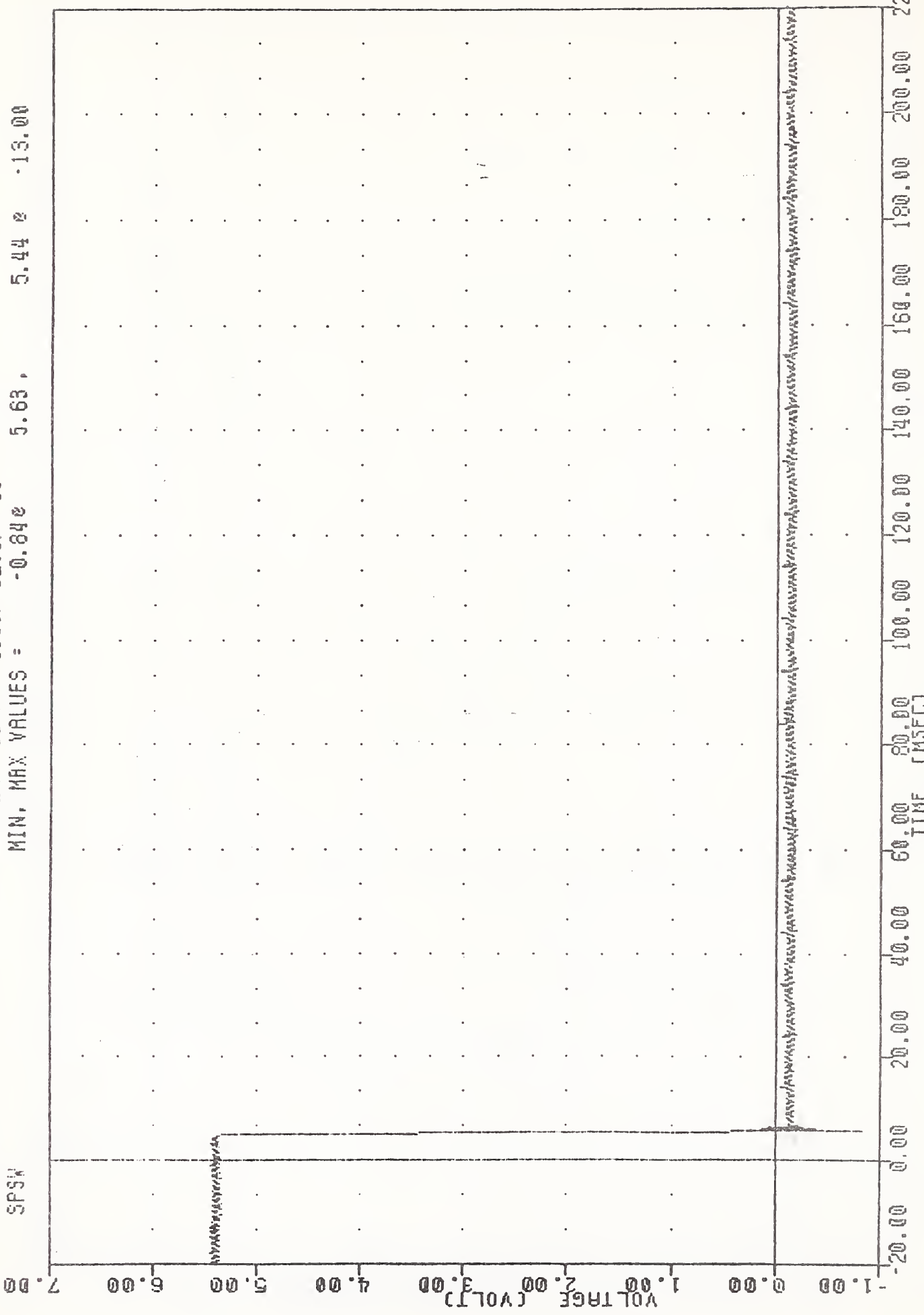
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
 TIME (MSEC)  
 AIRBAG DEMONSTRATION PROGRAM  
 AIR BAG FIRING EVENT 50TH PERCENTILE



80500 2-22  
 AIRBAG DEMONSTRATION PROGRAM  
 83319  
 SPSW

10 NOV 83 13:51:48

FILTER = BLPF 1650/ 5218/ -40  
 MIN, MAX VALUES = -0.64e 5.63, 5.44 e -13.00



AIRBAG DEMONSTRATION PROGRAM  
 SLED POSITION SWITCH



C235I

RAG DEMONSTRATION PROGRAM

0.0 mph

83320

VRTC

RD583-2-23

16-NOV-83 14:16:01

	Min value		Max value		Unit
SPSW	-0.662 @	5.875	5.460 @	-12.250	msec volt
SLDXGC	-0.644 @	162.750	21.018 @	59.500	msec g
SLDXVC	-0.013 @	-11.125	33.205 @	133.250	msec mph
SLDXV	-0.020 @	-3.375	32.367 @	141.875	msec mph
FTUXG	-1.739 @	228.750	23.043 @	57.875	msec g
ABFT1	-0.711 @	27.625	4.197 @	20.125	msec volt
HEDXG1	-57.456 @	108.000	41.392 @	206.250	msec g
HEDXV1	-45.093 @	201.750	0.384 @	78.000	msec mph
HEDYG1	-5.570 @	99.125	12.732 @	208.625	msec g
HEDZG1	-21.879 @	98.375	11.829 @	207.750	msec g
CSTXG1	-50.732 @	104.375	16.728 @	212.250	msec g
CSTXV1	-41.970 @	145.750	0.036 @	25.500	msec mph
CSTYG1	-5.554 @	111.000	2.320 @	141.250	msec g
CSTZG1	-11.851 @	108.250	2.774 @	53.000	msec g
PEVXG1	-36.438 @	91.000	2.388 @	144.875	msec g
PEVYG1	-5.472 @	64.125	5.177 @	97.750	msec g
PEVZG1	-25.004 @	91.750	3.472 @	266.500	msec g
CSTXD	-0.017 @	226.000	0.497 @	109.500	msec in
LFMF1	-381.468 @	59.250	657.384 @	26.250	msec lb
RFMF1	-257.699 @	60.000	735.419 @	26.250	msec lb
HEDRG1	0.026 @	-25.000	60.397 @	109.250	msec g
CSTRG1	0.005 @	-6.875	52.144 @	104.500	msec g
PEVRG1	0.002 @	-12.125	44.180 @	91.000	msec g

\* \* \* HIC computation for TRC235I 16-NOV-83 14:35:40

HEDRG1 VRTC RD583-2-23 83320 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 60.40 @ 109.250

HIC = 607.20 Interval from 86.625 [ 894] to 119.125 [1154]

HIC = 380.82 Interval from 97.875 [ 984] to 112.875 [1104]

Elapsed time = 8.43 sec

Enter channel [,stop time] -->EXIT

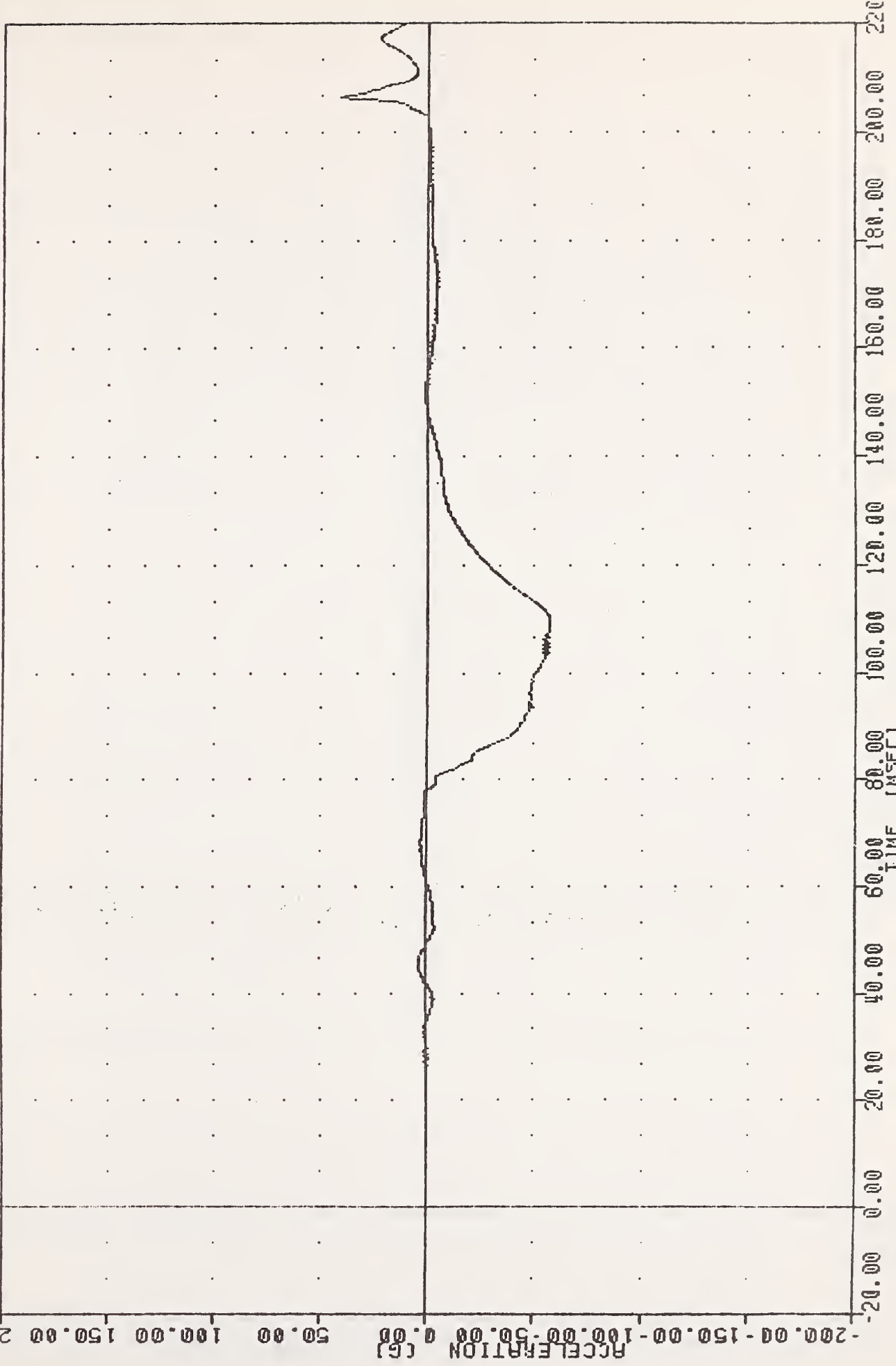
Enter input filespec -->EXIT

\$

VRIC , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM

83320  
HECXG1

FILTER = HLPF 1650/ 5214/ -40  
MIN. MAX VALUES = -57.46e 108.00 , 41.39 e 206.25



AIRBAG DEMONSTRATION PROGRAM

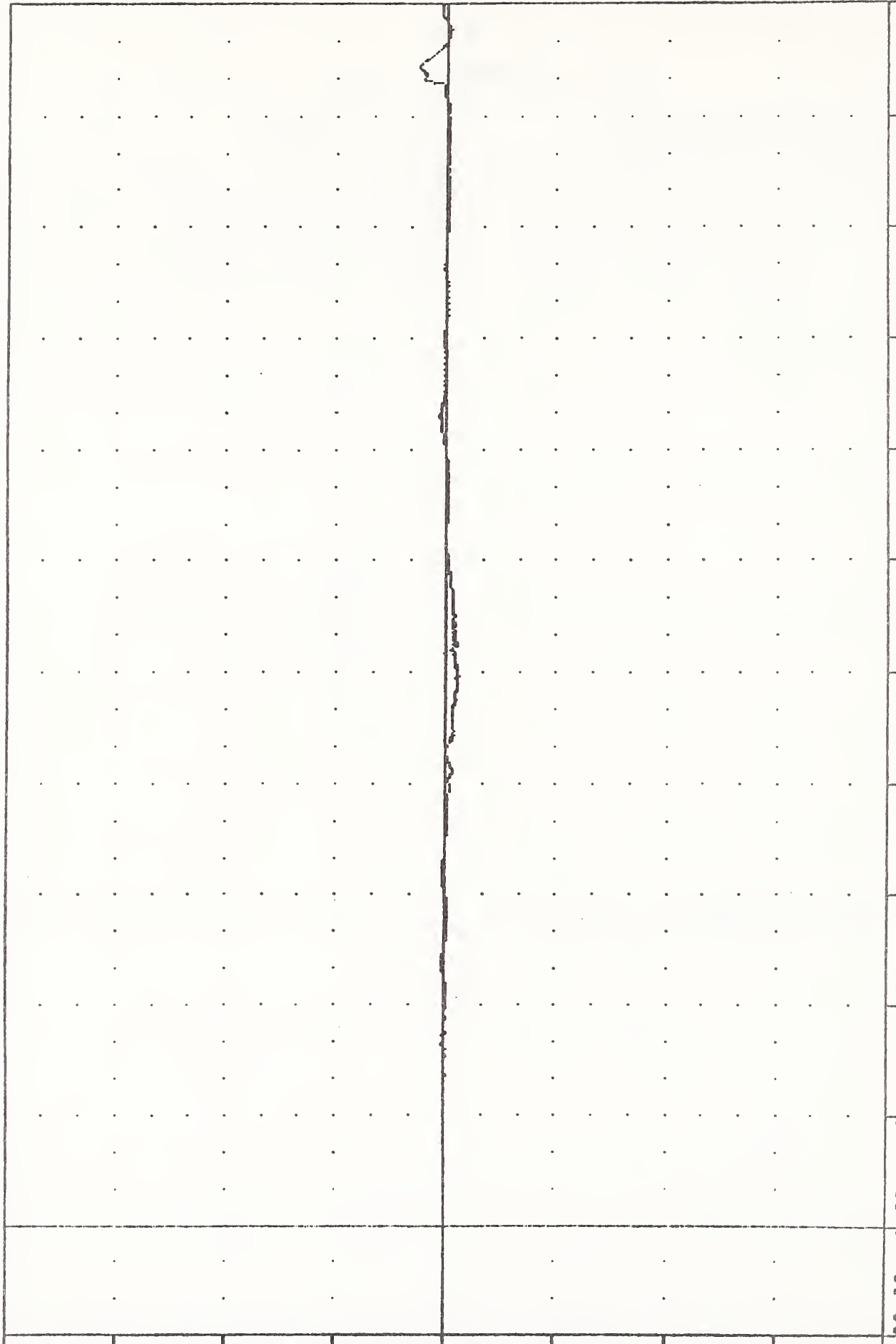
HEAD ACCELERATION Y AXIS BOTH PERCENTIF

VRTC , AD583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
HEDY61

PLOT DATE 16-NOV-83 14:11:53

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -5.57e 99.13, 12.73 e 208.63

ACCELERATION (G)



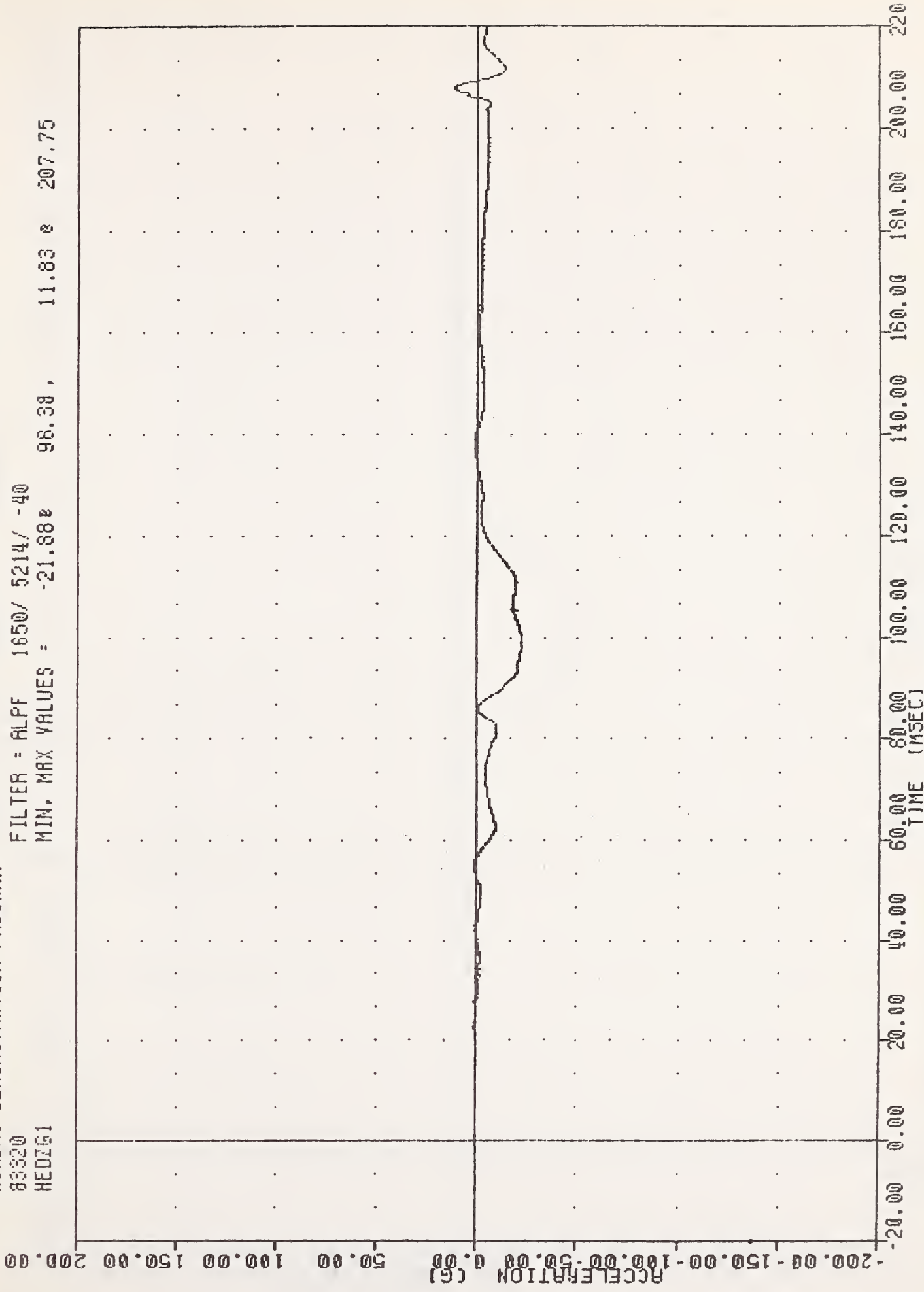
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

NRTC , R0583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
HEDIG1

PLOT DATE 16-NOV-83 14:11:53

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -21.88e 98.38, 11.83 e 207.75

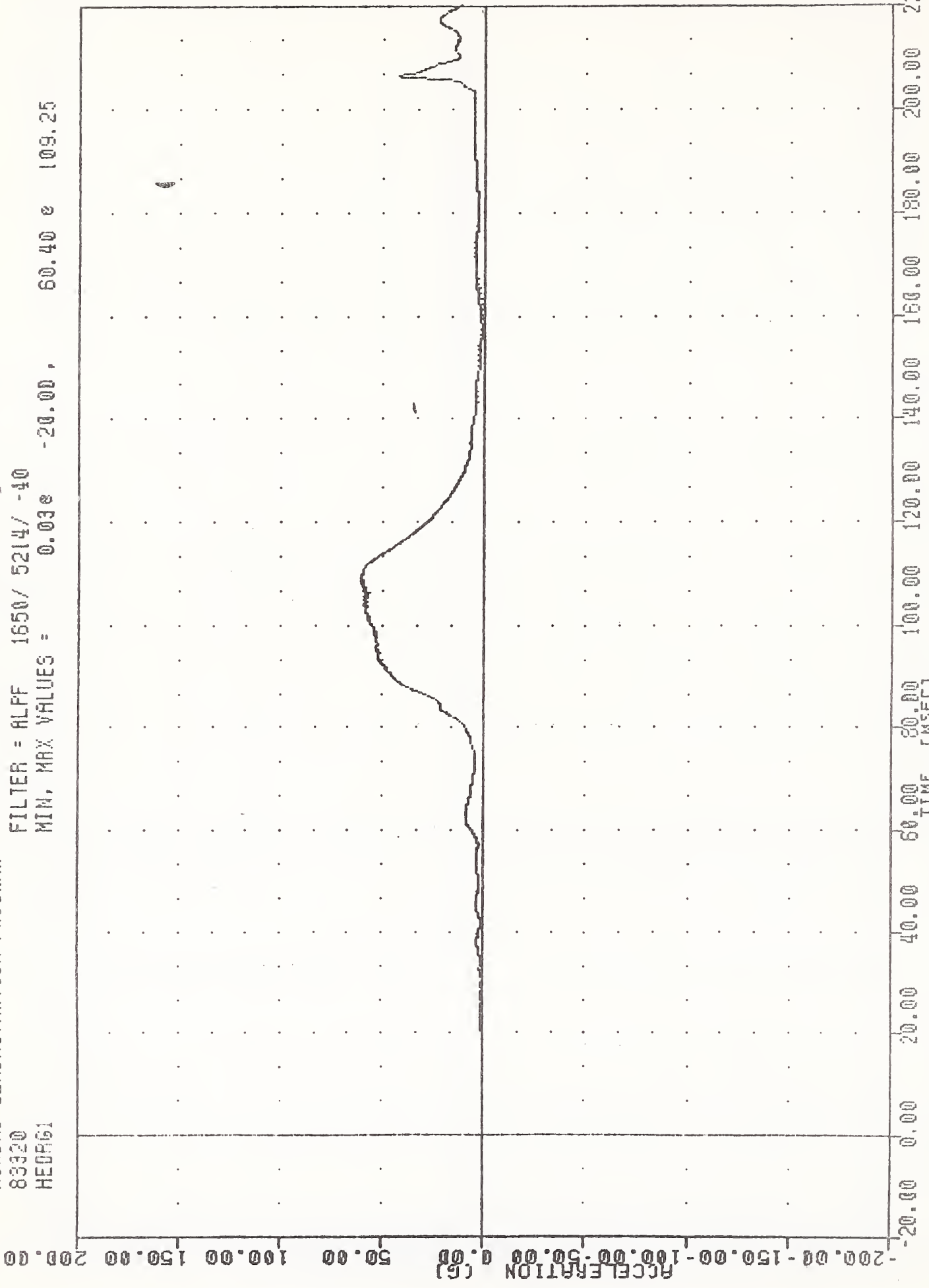


AIRBAG DEMONSTRATION PROGRAM  
HFAD ACCELERATION 7 AXIS 50TH PERCENTILE

WRITE , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
HEAD61

PLOT DATE 16-NOV-83 14:11:53

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = 0.03e -20.00, 60.40 e 109.25



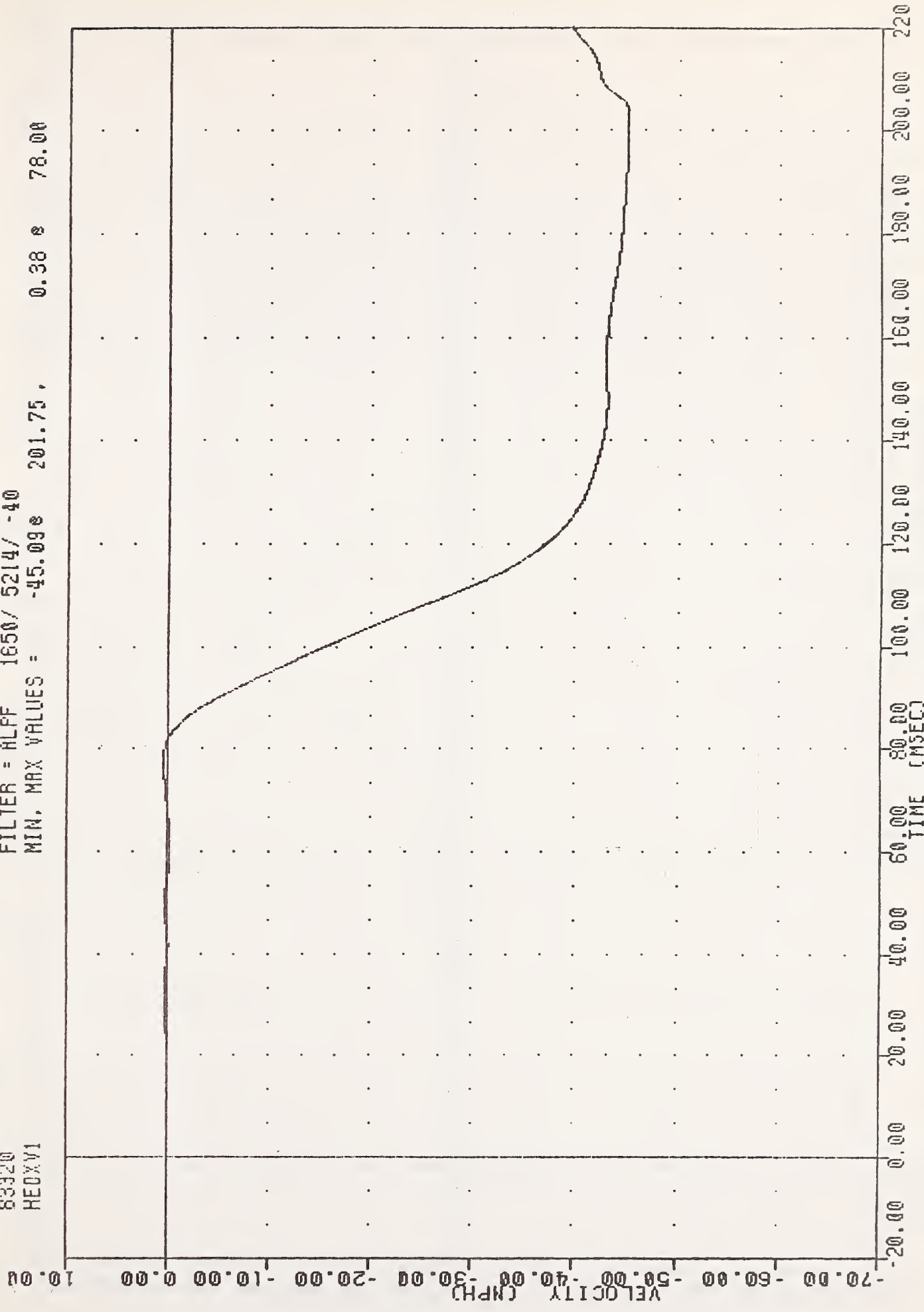
AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 50TH PERCENTILE



VRIC , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
HECXV1

PLOT DATE 18-NOV-83 14:11:53

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -45.09e 201.75, 0.38 e 78.00



AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY Y AXIS 50TH PERCENTILE

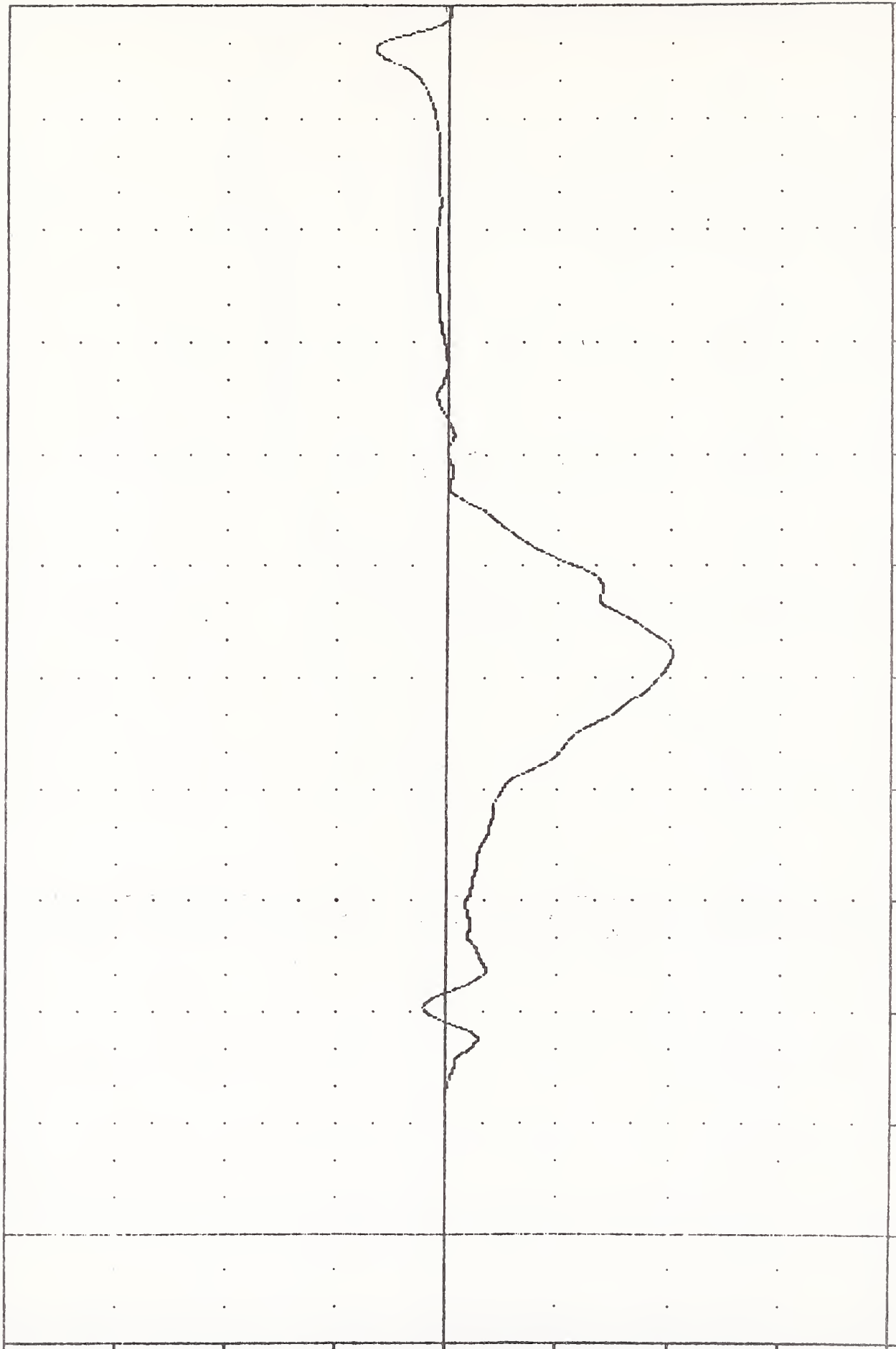


WATC , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
CSTX61

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -50.73e 104.58 , 16.73 e 212.25

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



TIME (MSEC)

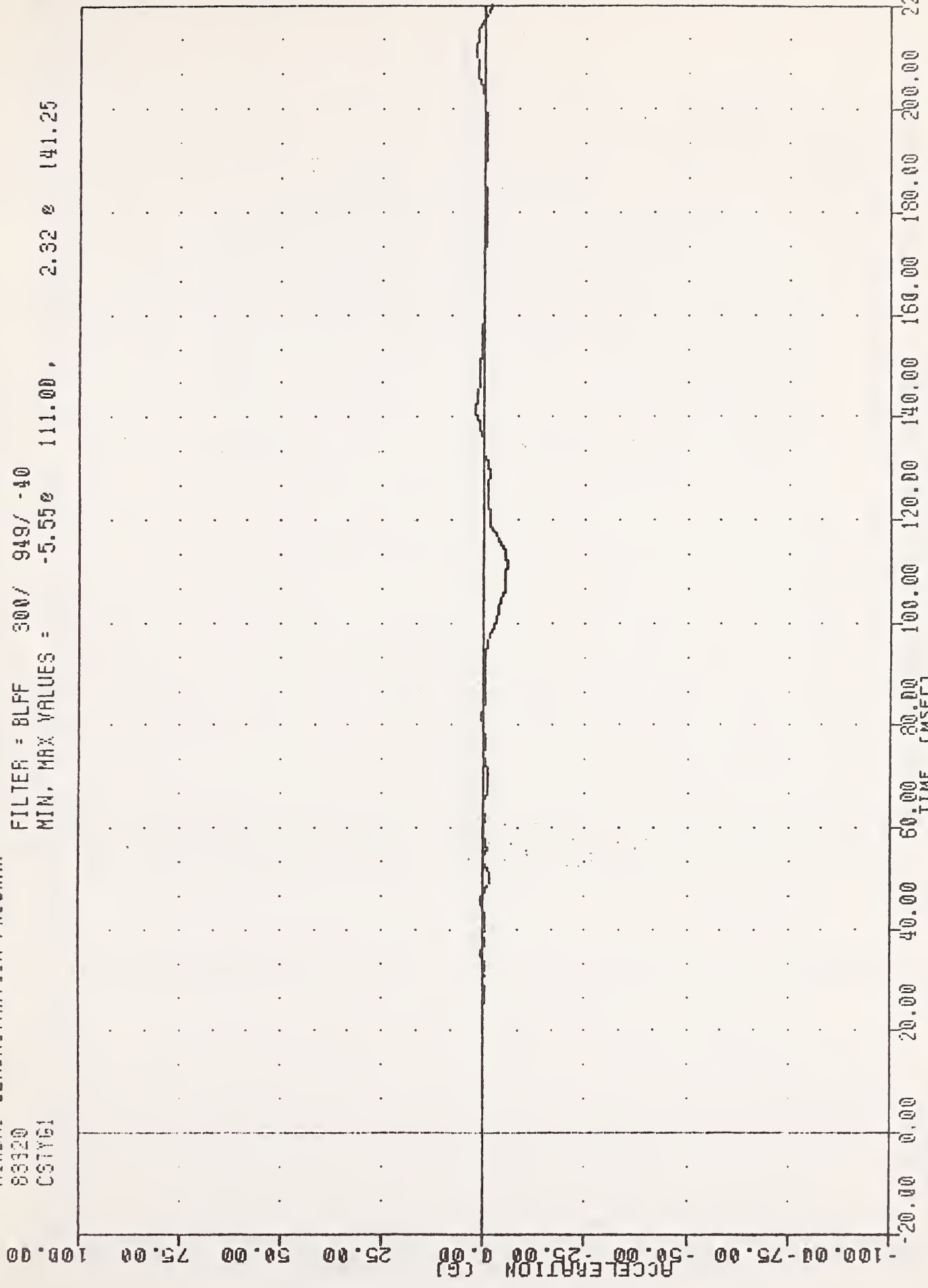
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 50TH PERCENTILE

CHEST ACCELERATION X AXIS 50TH PERCENTILE

VNTC , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
CSTY61

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLFF 300/ 949/ -40  
MIN. MAX VALUES = -5.55e 111.00, 2.32 e 141.25

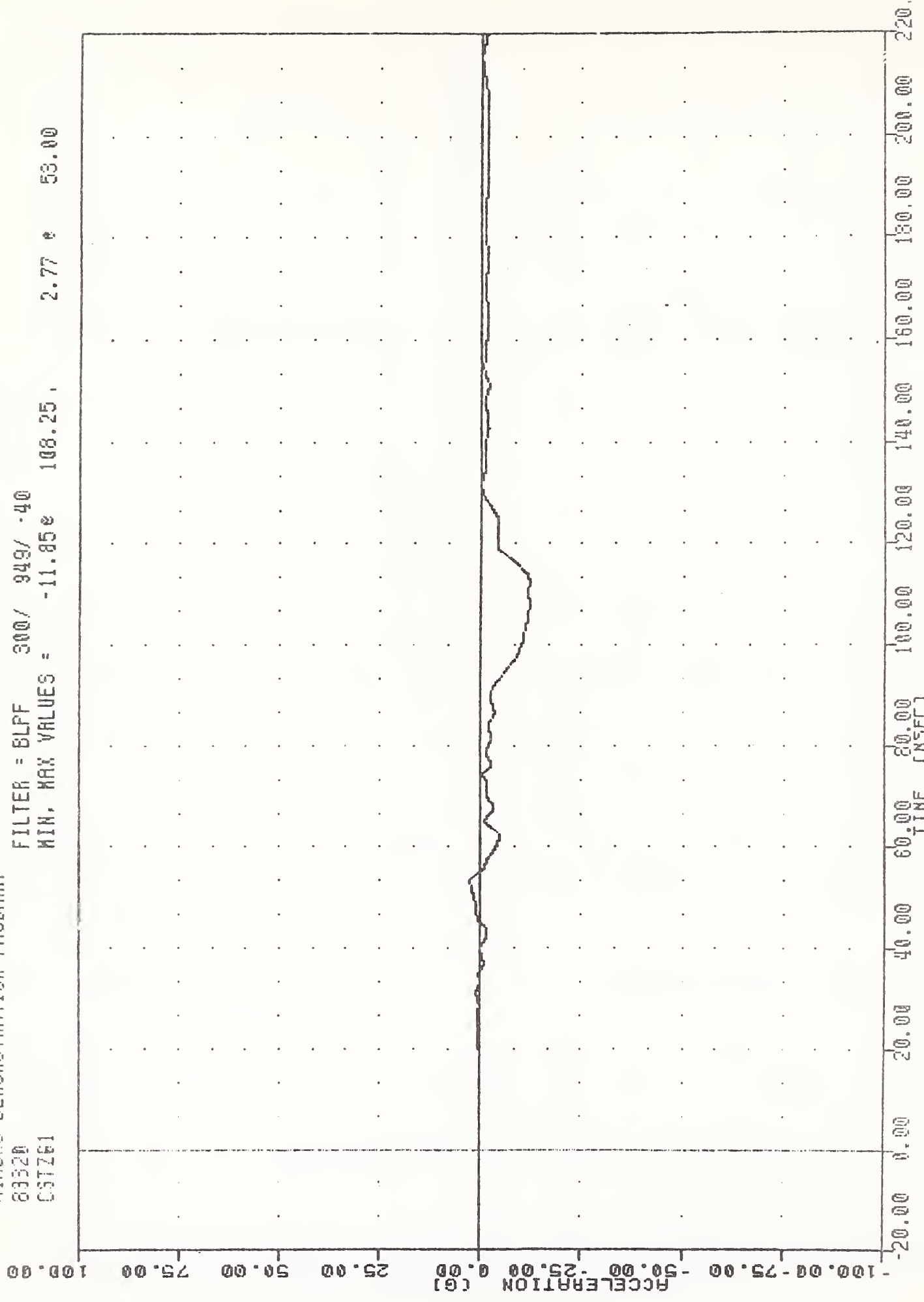


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

WATC , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
CSTZ61

PLOT DATE 16-NOV-83 14:11:53

FILTER = 6LPF 300/ 949/ -40  
MIN, MAX VALUES = -11.85e 108.25 , 2.77 e 53.00



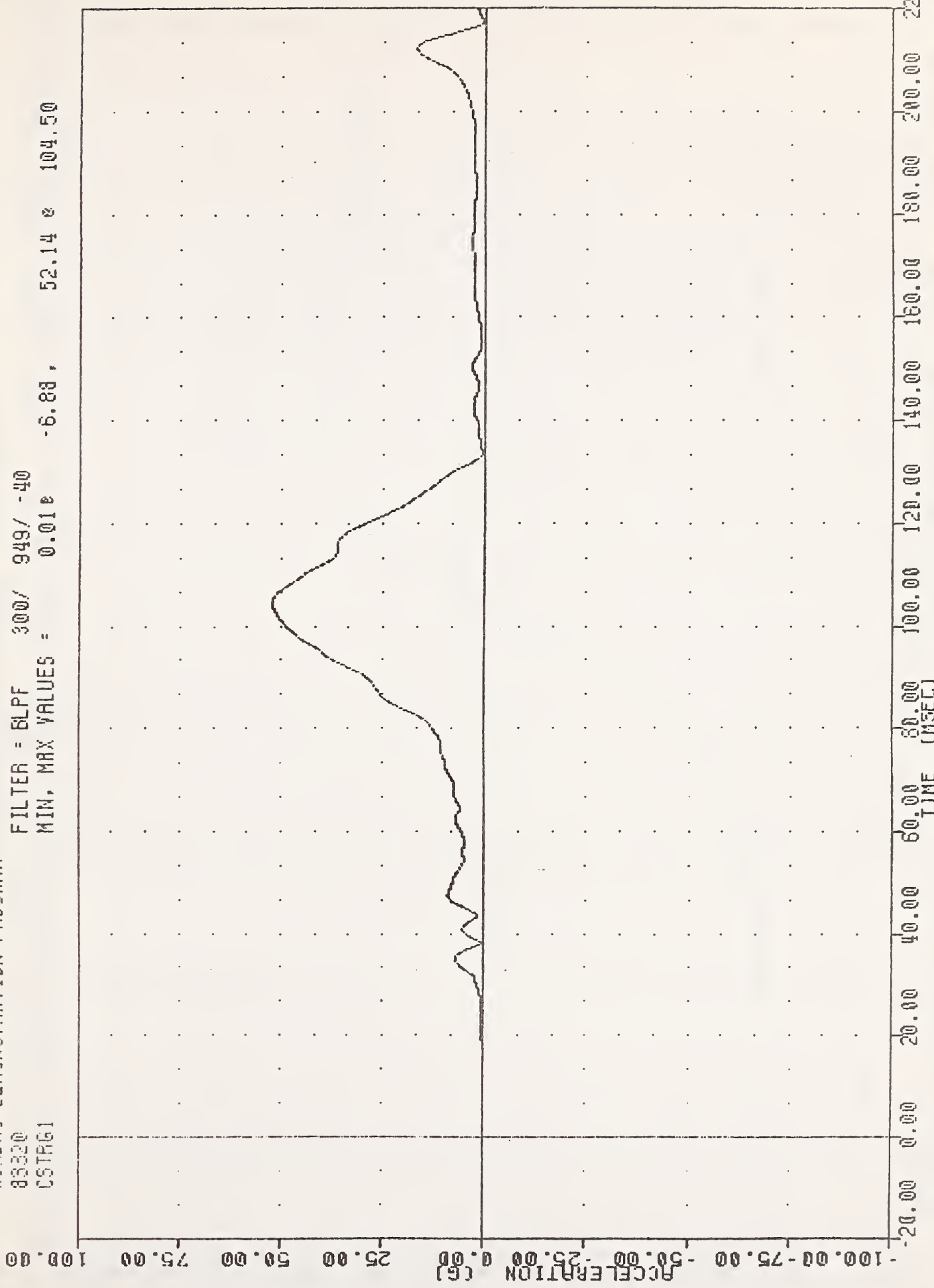
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

50TH PERCENTILE

NRTC  
AIRBAG DEMONSTRATION PROGRAM  
83320  
CSTRG1

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 3000/ 949/ -40  
MIN. MAX VALUES = 0.01e -6.88, 52.14 e 104.50



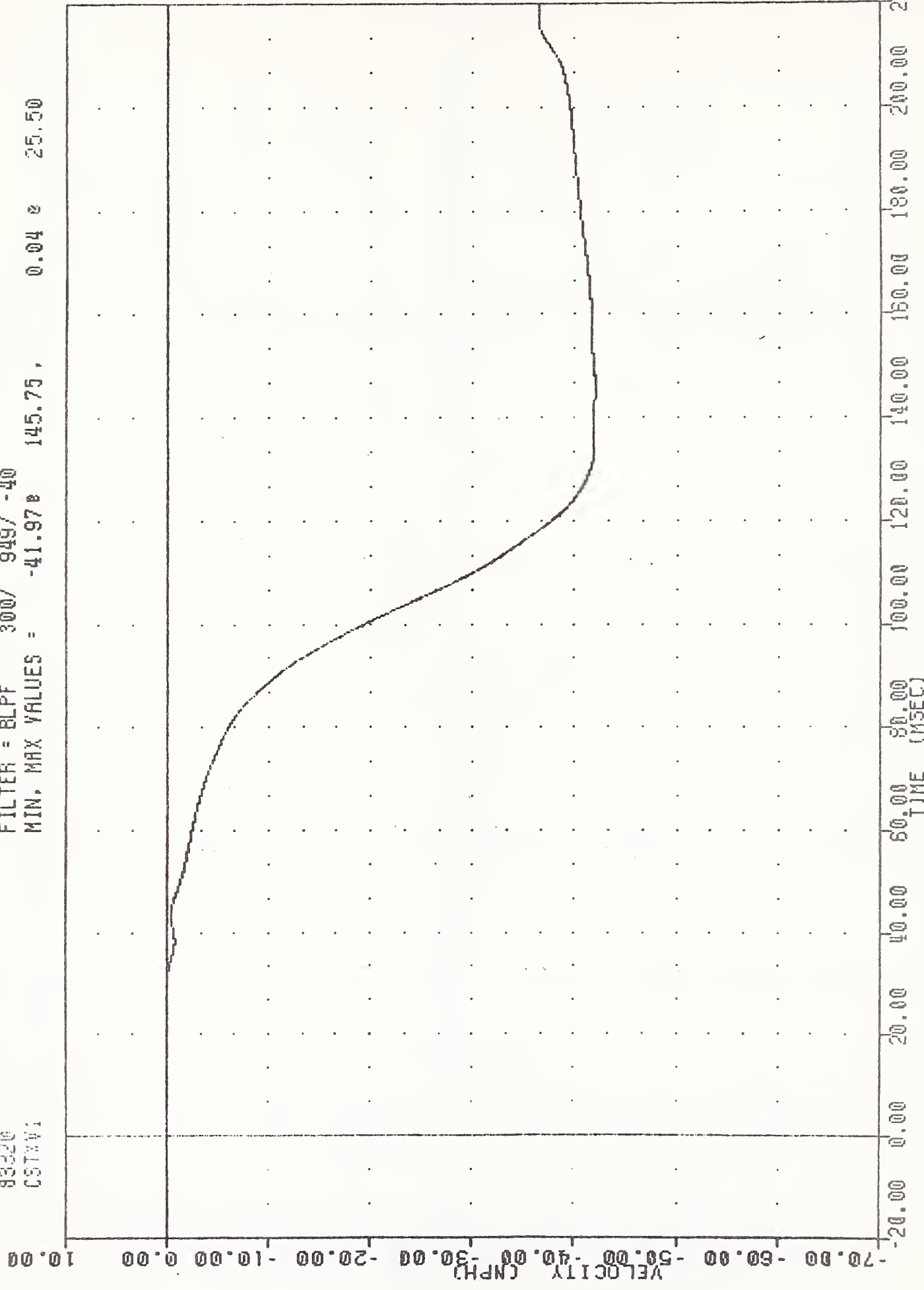
AIRBAG DEMONSTRATION PROGRAM

CHEST RESULTANT ACCELERATION 50TH PERCENTILE

VPIC  
AIRBAG DEMONSTRATION PROGRAM  
83320  
CSTWV1

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -41.97 e 145.75 , 0.04 e 25.50

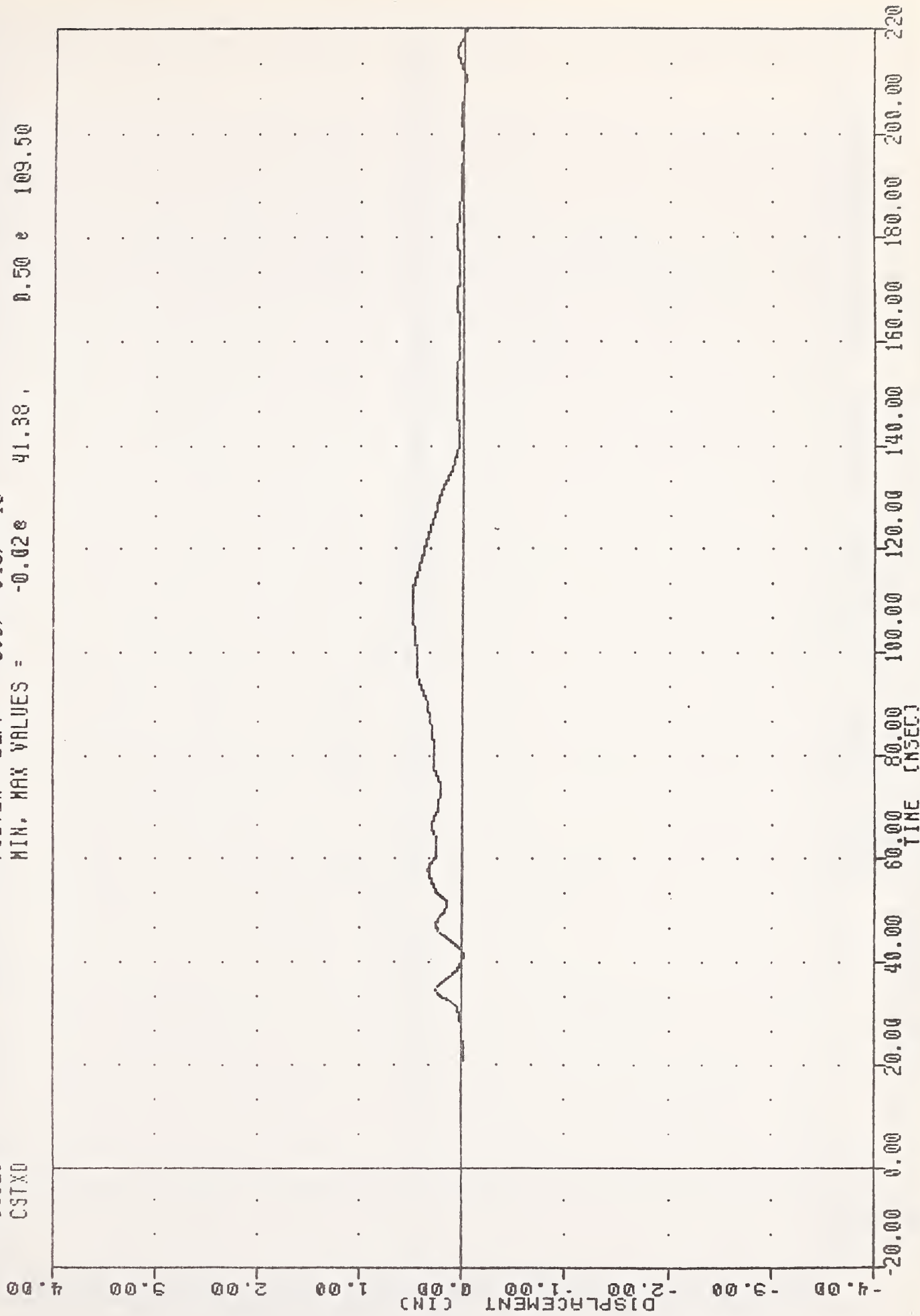


AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY X AXIS 50TH PERCENTILE

VATIC , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
CSTXD

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -0.028 41.38, 0.50 e 109.50



AIRBAG DEMONSTRATION PROGRAM  
CHEST DISPLACEMENT 50TH PERCENTILE



VRTC , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM

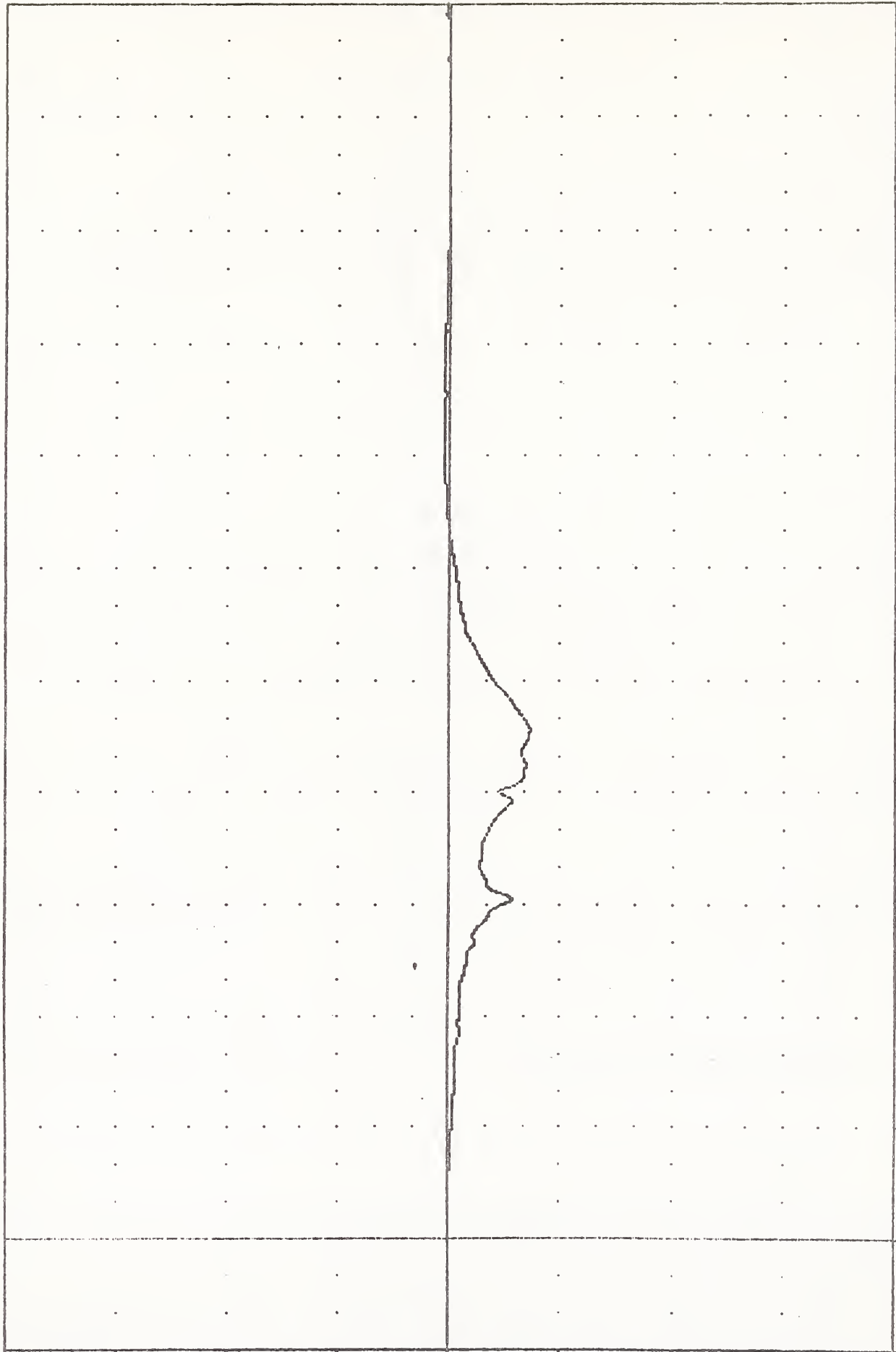
PLOT DATE 18-NOV-83 14:11:53

83320  
FEVY61

FILTER = 8LFF 300/ 949/ -40

MIN. MAX VALUES = -36.44e 91.00, 2.39 e 144.88

ACCELERATION (G)



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

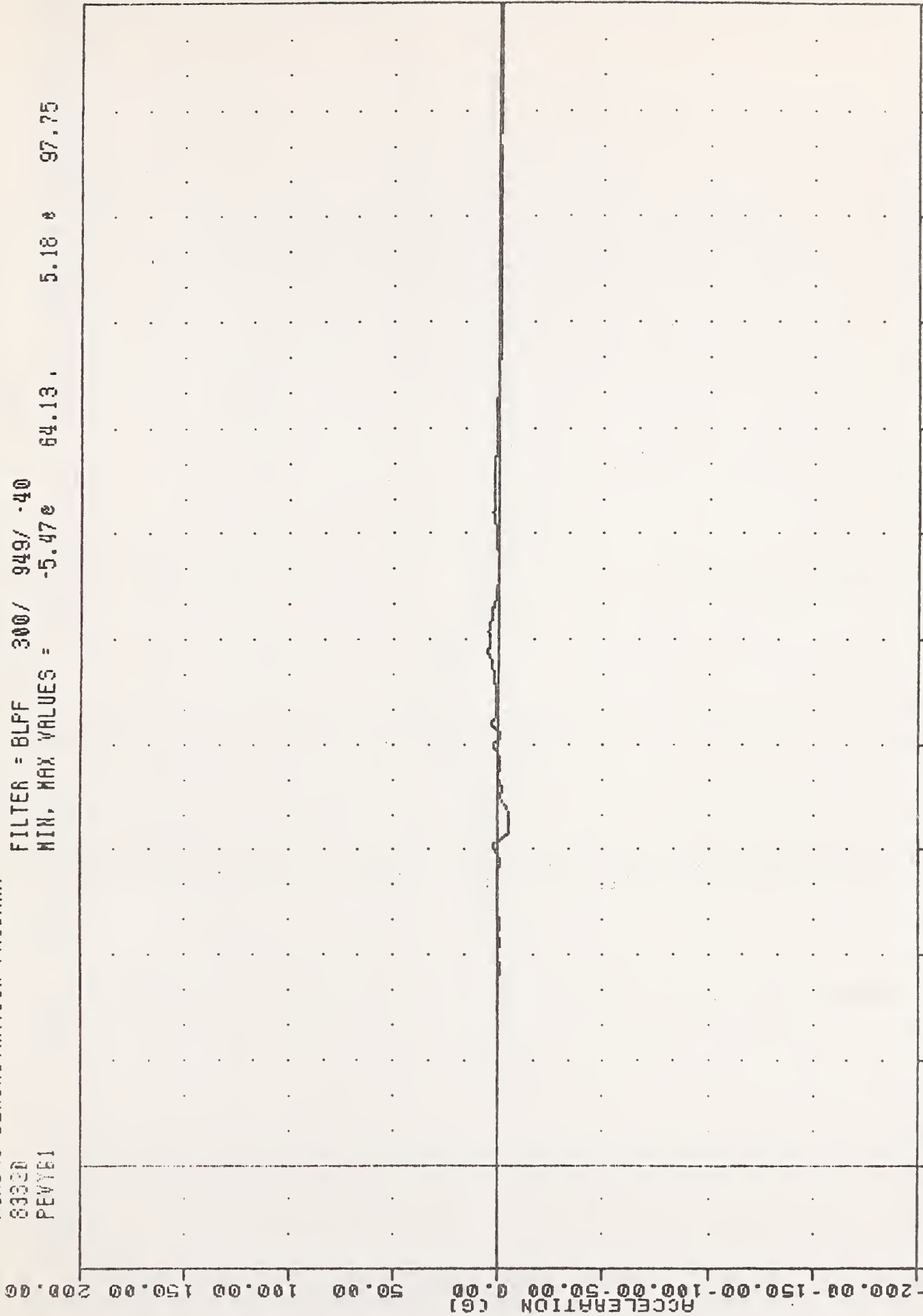
AIRBAG DEMONSTRATION PROGRAM  
PFI VIS ACCELERATION X AXIS 50TH PERCENTILE



VATIC  
AIRBAG DEMONSTRATION PROGRAM  
8332D  
PEVTE1

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLFF 300/ 949/ -40  
MIN, MAX VALUES = -5.47e 64.13, 5.18 e 97.75



-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

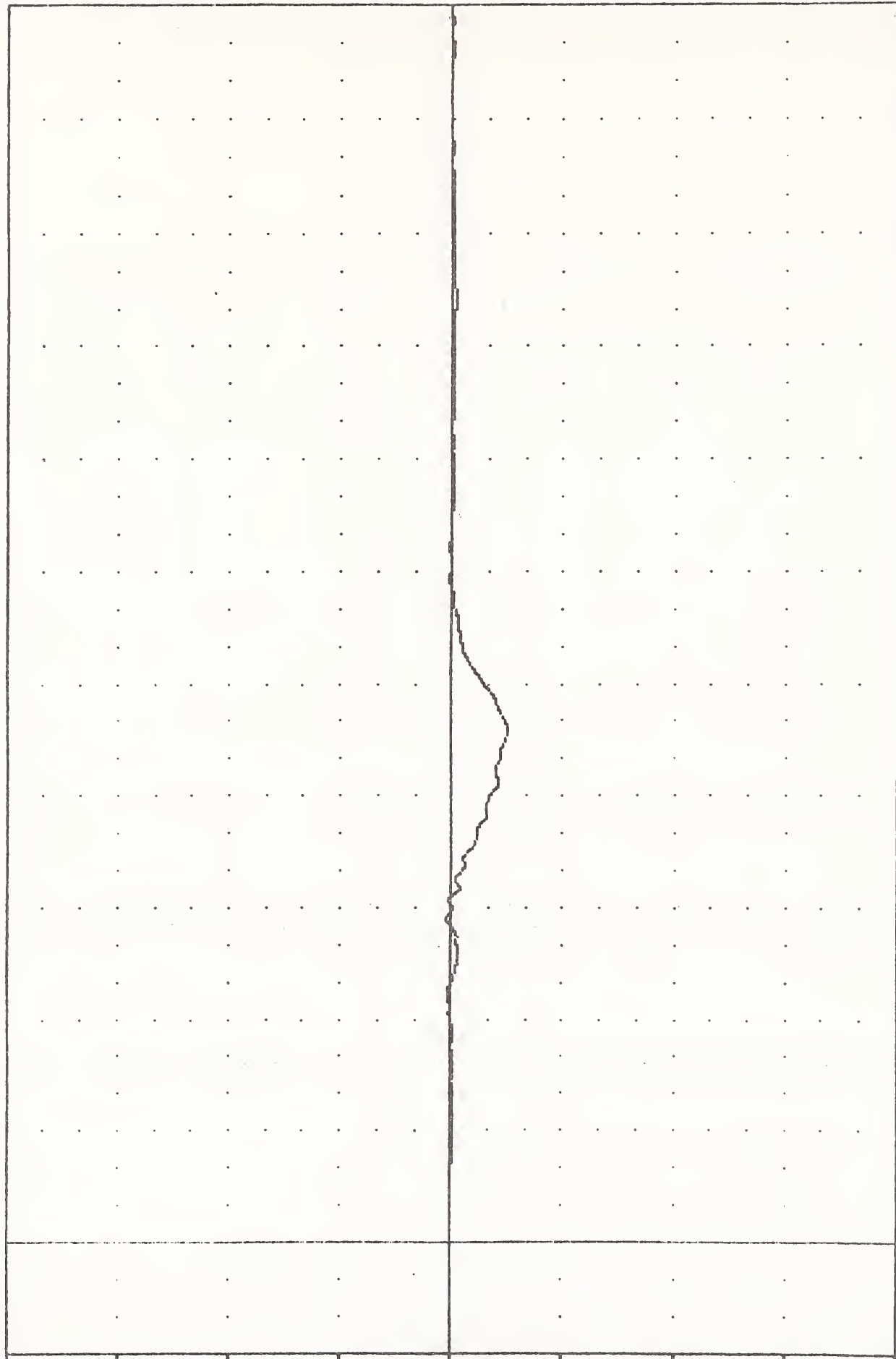
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

VRTC  
 AIRBAG DEMONSTRATION PROGRAM  
 83520  
 PEVZ61

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 300/ 949/ -40  
 MIN. MAX VALUES = -25.00e 91.75, 2.37 e 57.75

ACCELERATION (G)



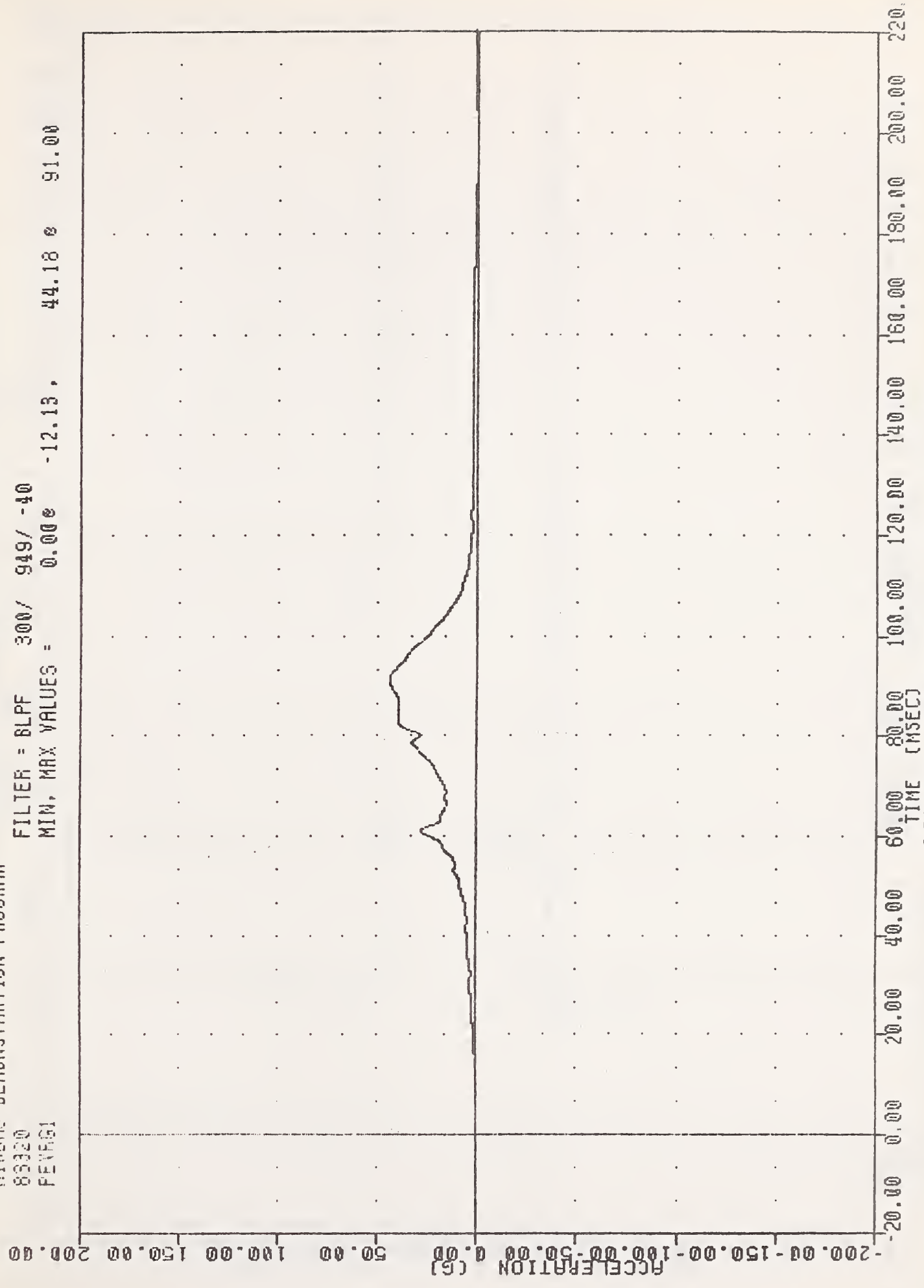
-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00  
 TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
 PELVIS ACCELERATION Z AXIS 50TH PERCENTILE

DATE , R0583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
FEVERG1

PLOT DATE 16-NOV-83 14:11:53

FILTER = 6LPF 300/ 949/ -40  
MIN, MAX VALUES = 0.000 44.18 91.00

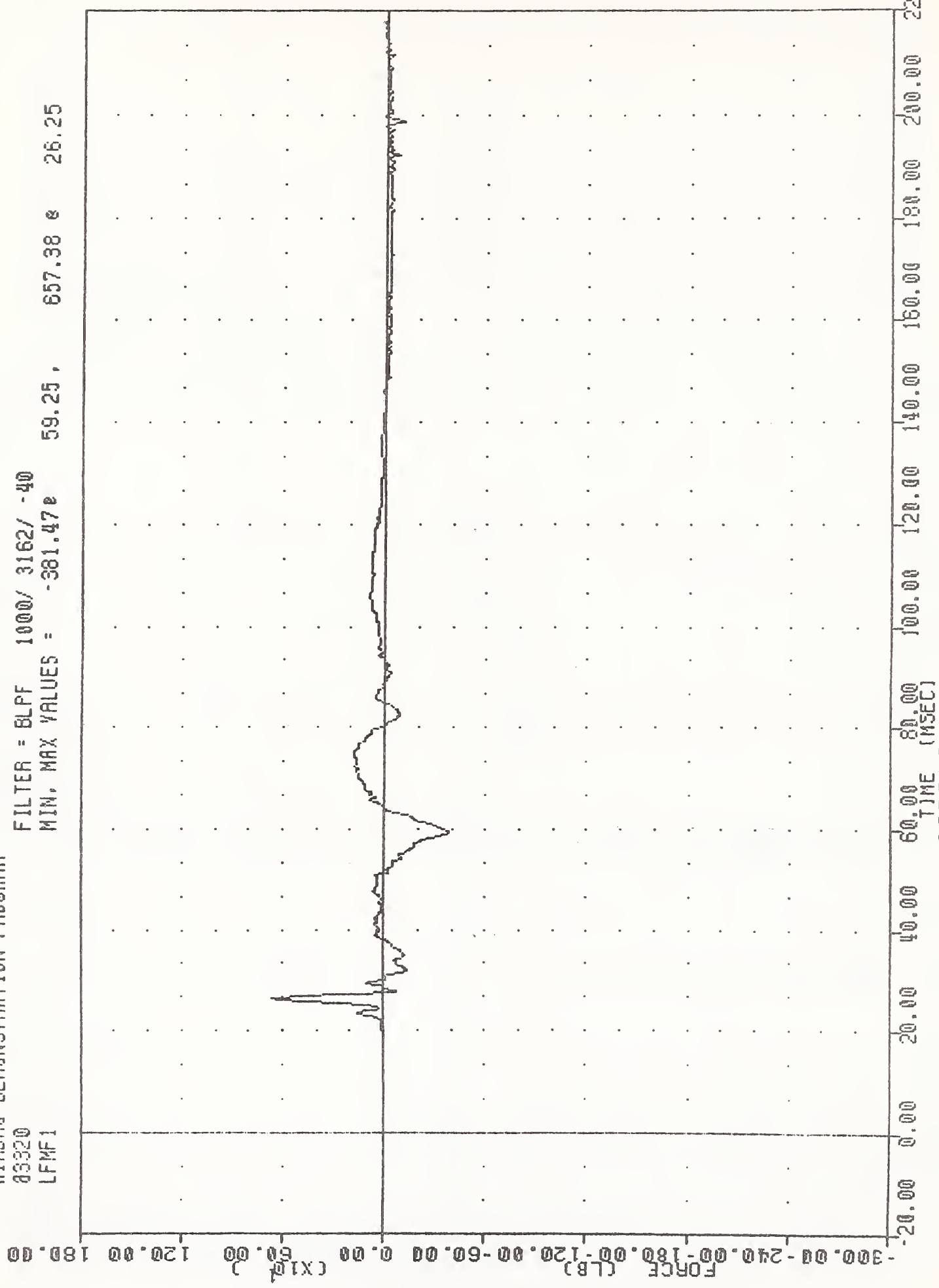


AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 50TH PERCENTILE

VRTC , R0583-2-23  
 AIRBAG DEMONSTRATION PROGRAM  
 03320  
 LFMF1

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 1000/ 3162/ -40  
 MIN, MAX VALUES = -381.47e 59.25, 657.38 e 26.25



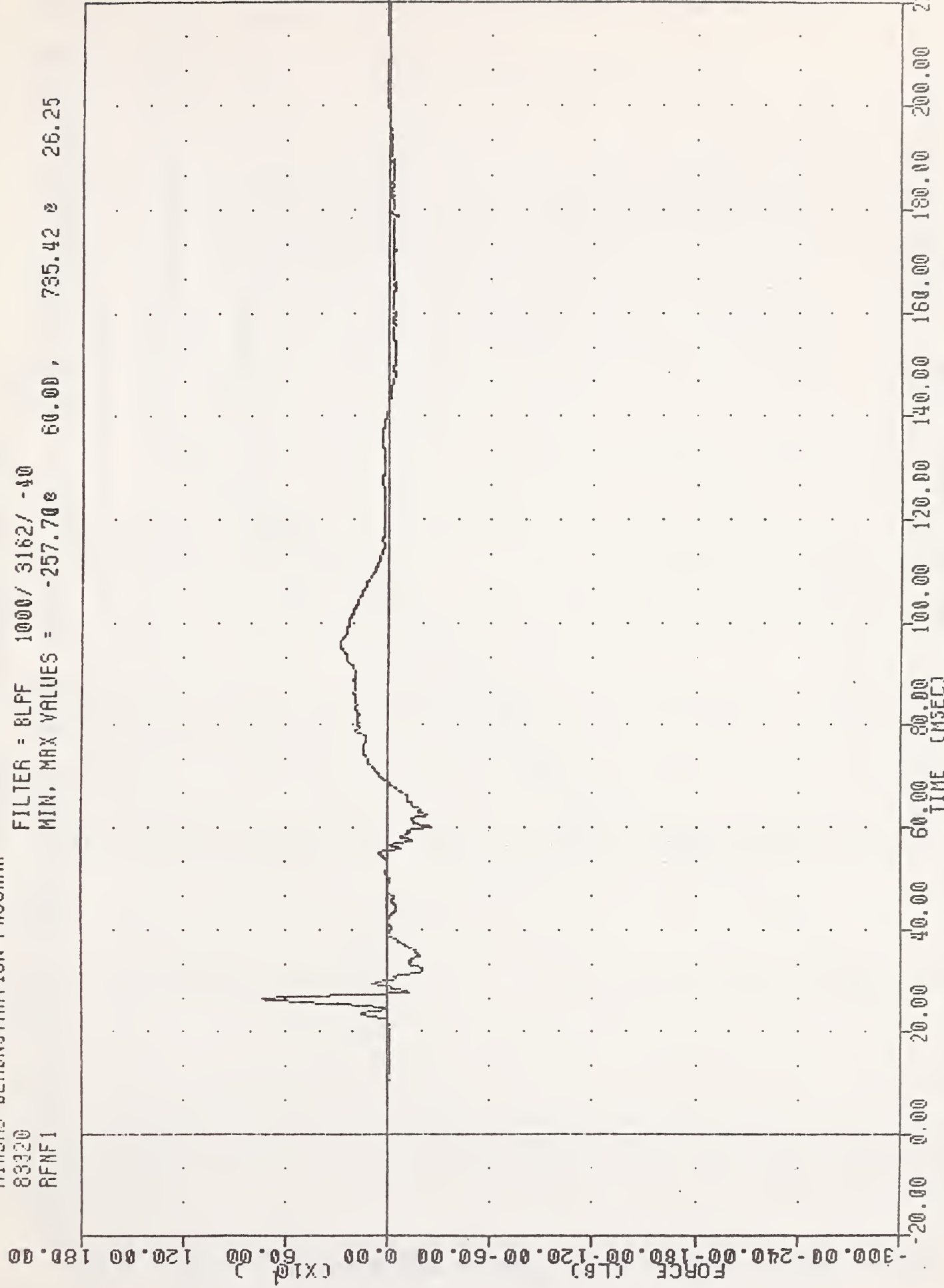
AIRBAG DEMONSTRATION PROGRAM  
 LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

LEFT FEMUR FORCE IN LBS 50TH PERCENTILE

DATE 80583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
RFNF1

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 1000/ 3162/ -40  
MIN, MAX VALUES = -257.70e 60.00, 735.42 e 26.25



AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN LBS 50TH PERCENTILE

VRTC , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
SLOWG

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.64g 162.75, 21.02 g 59.50

ACCELERATION (G)

35.00

30.00

25.00

20.00

15.00

10.00

5.00

0.00

-5.00

-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)

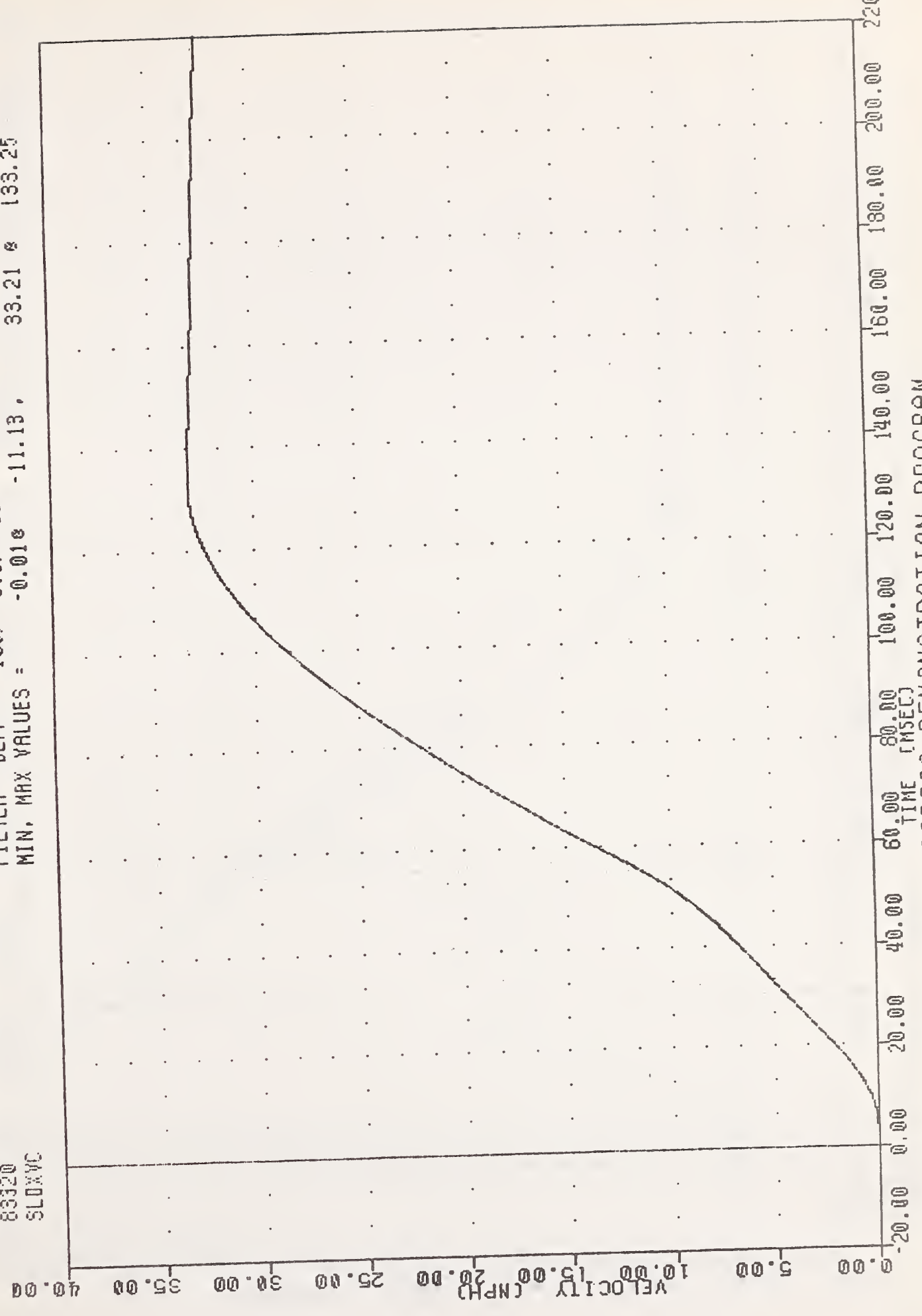
AIRBAG DEMONSTRATION PROGRAM  
G1 FN ACCELERATION



VRTC  
AIRBAG DEMONSTRATION PROGRAM  
83320  
SLOWVC

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLFF 100/ 316/ -40  
MIN, MAX VALUES = -0.01e -11.13, 33.21 e 133.25



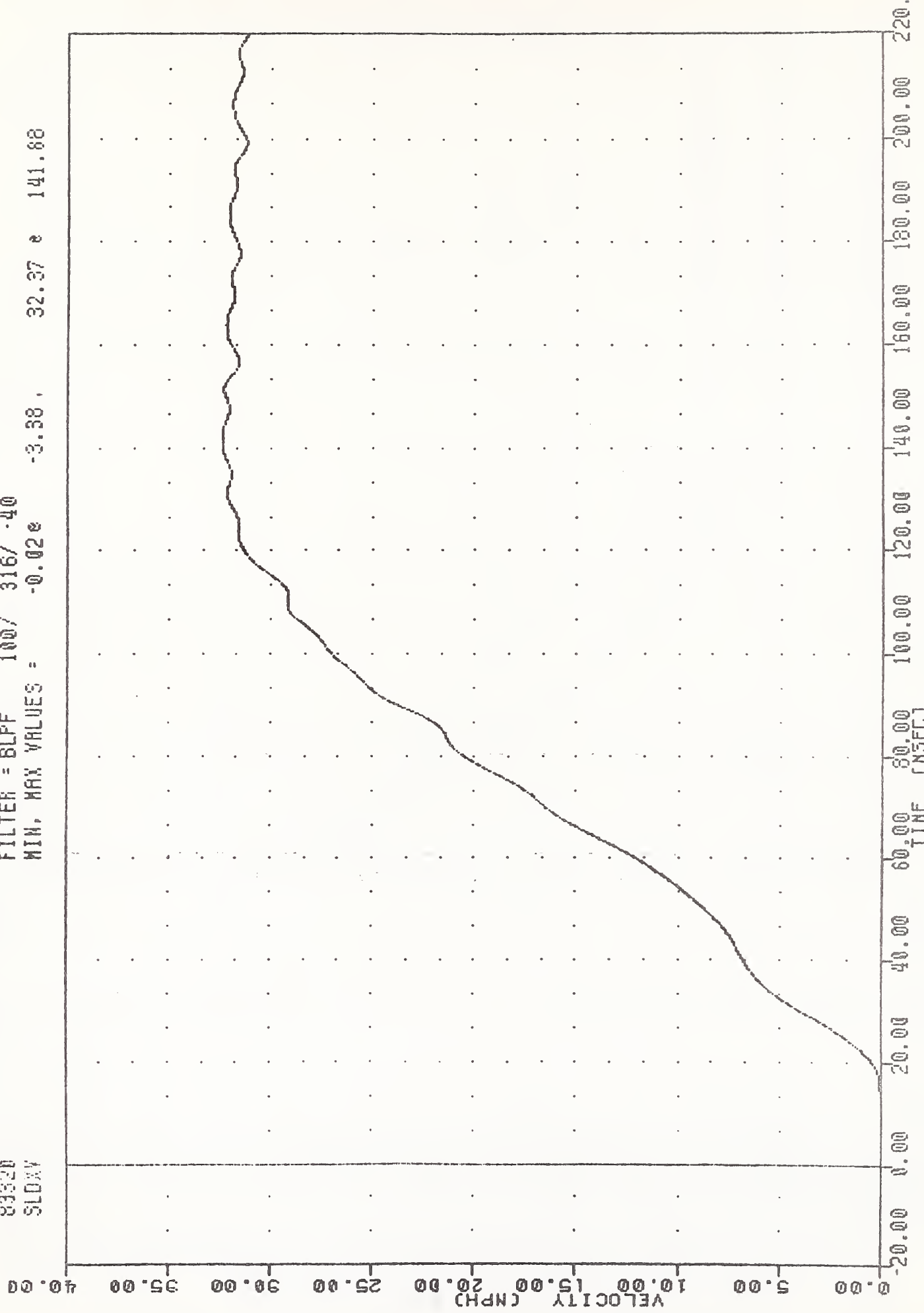
AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SLED VELOCITY



WATE , RD583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
SLOWY

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 100/ 316/ -40  
MIN. MAX VALUES = -0.02e -3.38 . 32.37 e 141.88



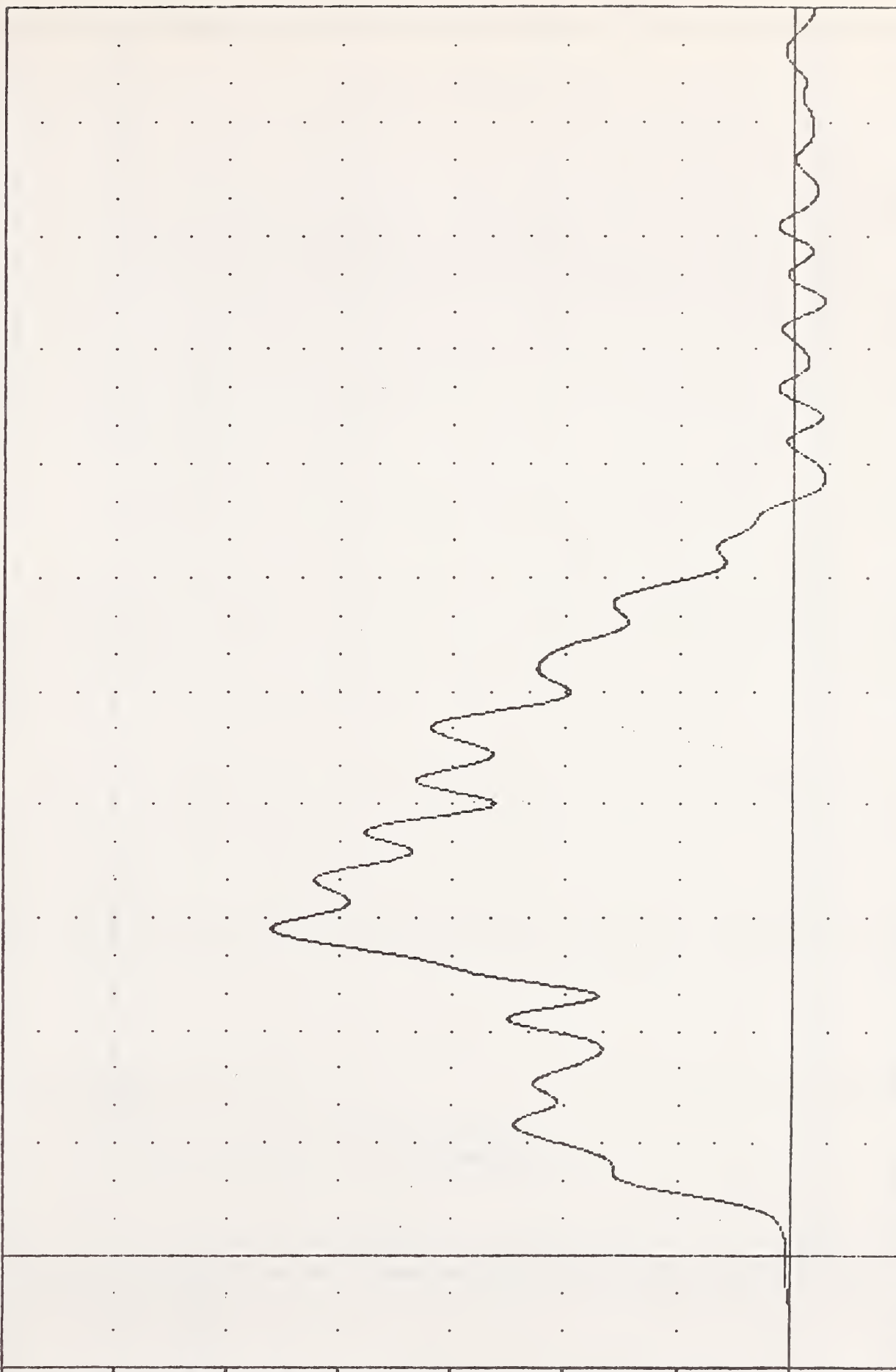
AIRBAG DEMONSTRATION PROGRAM  
SLOWY VELOCITY

VRTC , R0583-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
FTUXG

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -1.45e 168.25, 23.04 e 57.88

ACCELERATION (G)  
-5.00 0.00 5.00 10.00 15.00 20.00 25.00 30.00 35.00



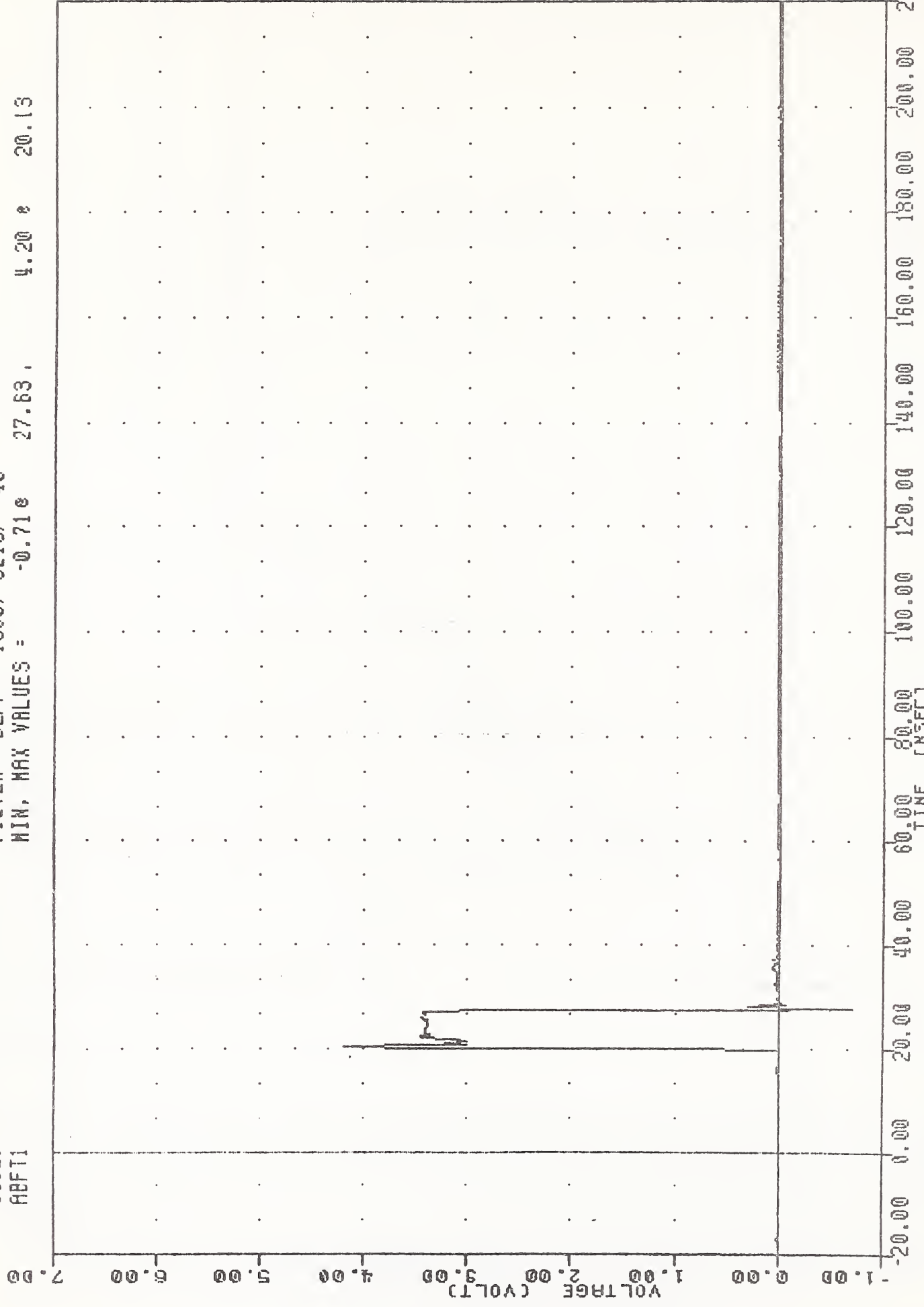
TIME (MSEC)  
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220

AIRBAG DEMONSTRATION PROGRAM  
FLOOR PAN TUNNEL ACCELERATION

WATC , RD583-2-23  
 AIRBAG DEMONSTRATION PROGRAM  
 83320  
 ABFT1

PLOT DATE 16-NOV-83 14:11:53

FILTER = BLPF 1650/ 5218/ .40  
 MIN, MAX VALUES = -0.71e 27.63, 4.20 e 20.13

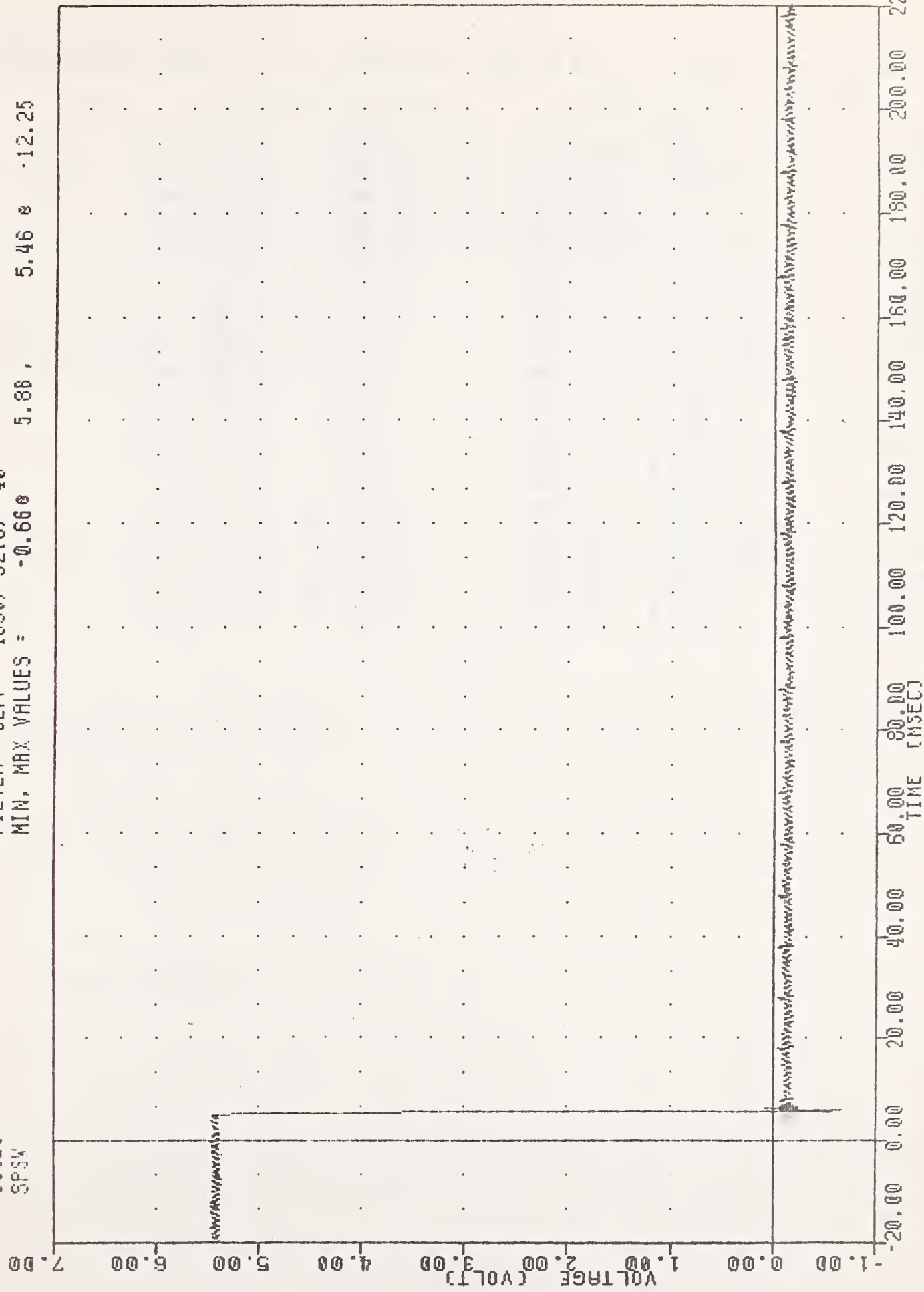


AIRBAG DEMONSTRATION PROGRAM  
 AIR BAG FIRING EVENT 50TH PERCENTILE

WRITE , R0503-2-23  
AIRBAG DEMONSTRATION PROGRAM  
83320  
SPSW

PLOT DATE 16-NOV-83 14:11:53

FILTER = 8LFF 1650/ 5218/ -40  
MIN, MAX VALUES = -0.66e 5.86 , 5.46 e -12.25



AIRBAG DEMONSTRATION PROGRAM  
SIFN POSITION SWITCH

	Min value		Max value		Unit
SPSW	-1.178 @	5.750	5.444 @	4.000 msec	volt
SLDXGC	-0.578 @	229.250	21.117 @	59.125 msec	g
SLDXVC	-0.012 @	-10.750	33.286 @	132.625 msec	mph
SLDXV	-0.032 @	-20.500	32.430 @	141.500 msec	mph
FTUXG	-2.529 @	163.500	23.120 @	57.750 msec	g
ABFT1	-0.739 @	27.625	4.054 @	20.250 msec	volt
HEDXG1	-49.301 @	110.625	50.056 @	210.250 msec	g
HEDXV1	-42.130 @	198.625	0.277 @	49.750 msec	mph
HEDYG1	-6.004 @	111.500	10.638 @	210.375 msec	g
HEDZG1	-39.642 @	105.125	7.410 @	212.875 msec	g
CSTXG1	-58.155 @	106.000	7.369 @	269.000 msec	g
CSTXV1	-41.335 @	137.125	0.045 @	27.250 msec	mph
CSTYG1	-5.472 @	108.375	1.700 @	224.500 msec	g
CSTZG1	-15.381 @	104.000	7.388 @	83.250 msec	g
PEVXG1	-67.597 @	83.125	2.083 @	300.000 msec	g
PEVYG1	-9.640 @	81.625	2.609 @	104.625 msec	g
PEVZG1	-25.629 @	91.500	3.389 @	124.625 msec	g
CSTXD	-0.063 @	41.500	0.575 @	104.750 msec	in
LFMF1	-1745.772 @	85.750	293.414 @	26.625 msec	lb
RFMF1	-1487.201 @	84.625	291.207 @	26.750 msec	lb
HEDRG1	0.008 @	-25.000	59.185 @	105.500 msec	g
CSTRG1	0.004 @	-15.250	58.172 @	106.000 msec	g
PEVRG1	0.005 @	-20.375	68.899 @	83.000 msec	g

\* \* \* HIC computation for TRC236I 17-NOV-83 11:23:37

HEDRG1 VRTC RD583-2-24 83321 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 59.18 @ 105.500

HIC = 542.63 Interval from 88.375 [ 908] to 121.500 [1173]

HIC = 364.42 Interval from 97.500 [ 981] to 112.500 [1101]

Elapsed time = 15.09 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

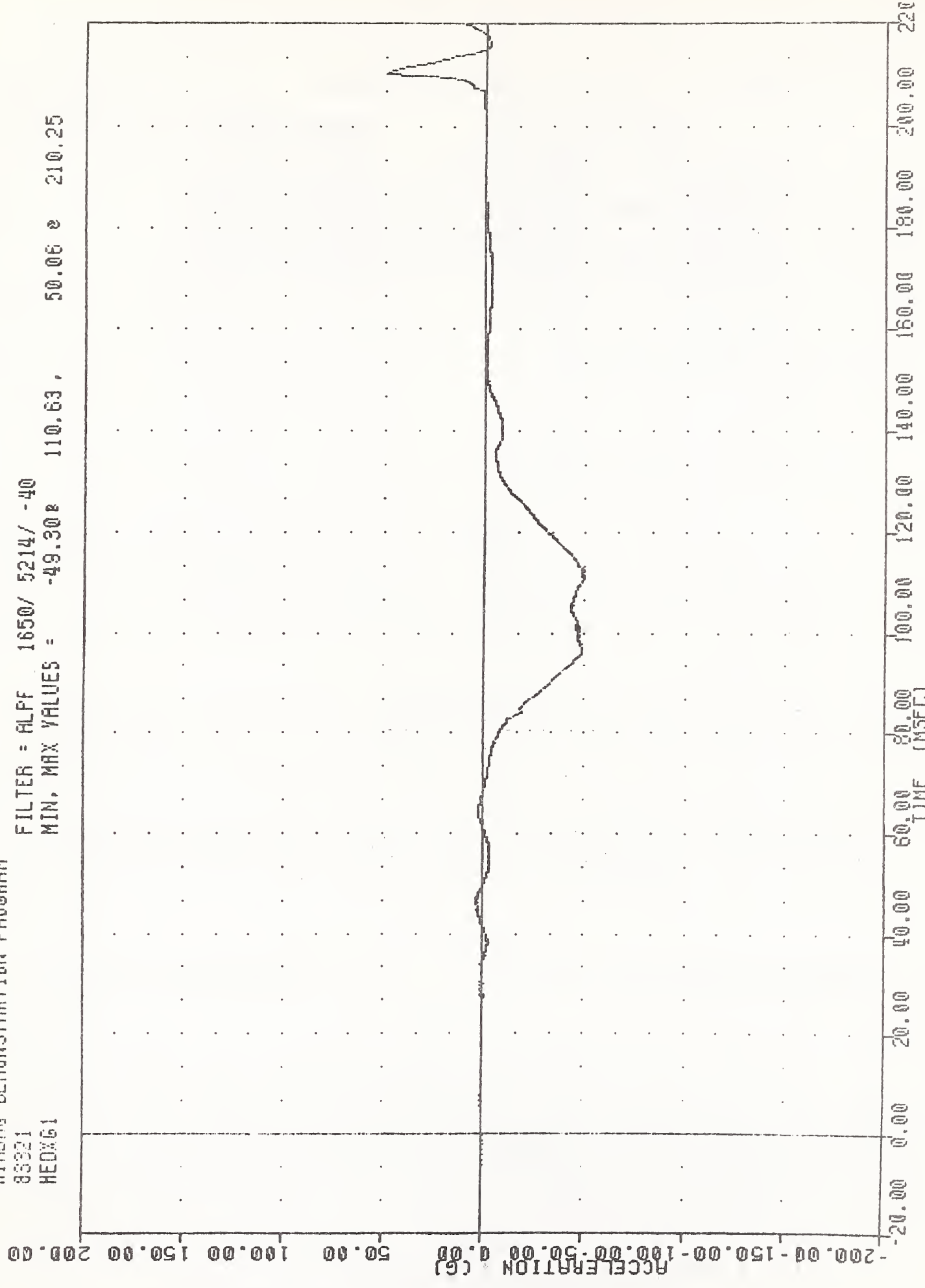
\$



VRTC , RD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
HEDXG1

PLOT DATE 17-NOV-83 11:17:40

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -49.308 110.63 , 50.06 e 210.25



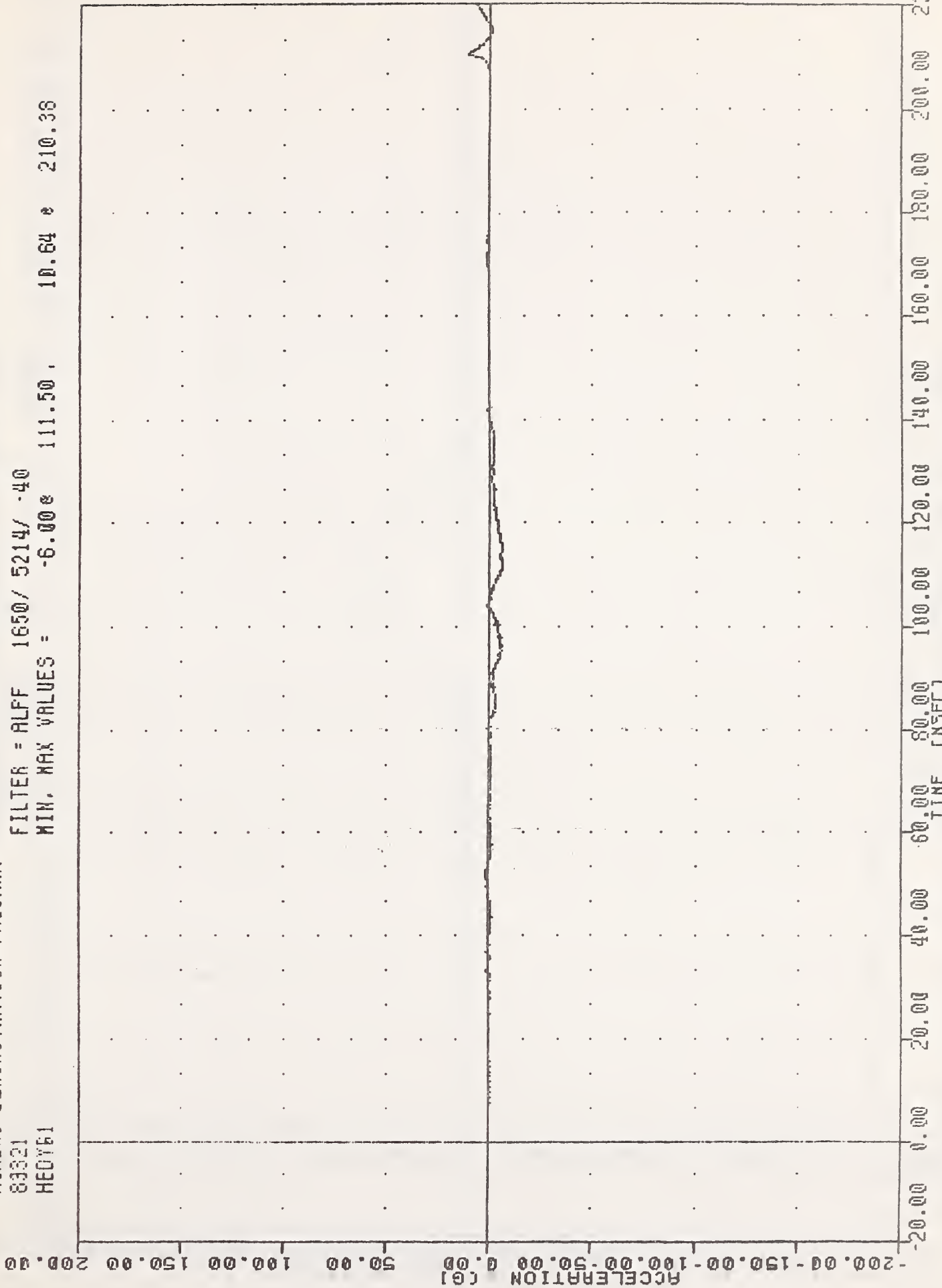
AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION V AYT5 50TH PERCENTILE



VATE , R0583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
HE0761

PLOT DATE 17-NOV-83 11:17:40

FILTER = ALFF 1650/ 5214/ -40  
MIN. MAX VALUES = -6.00e 111.50, 10.64 e 210.36

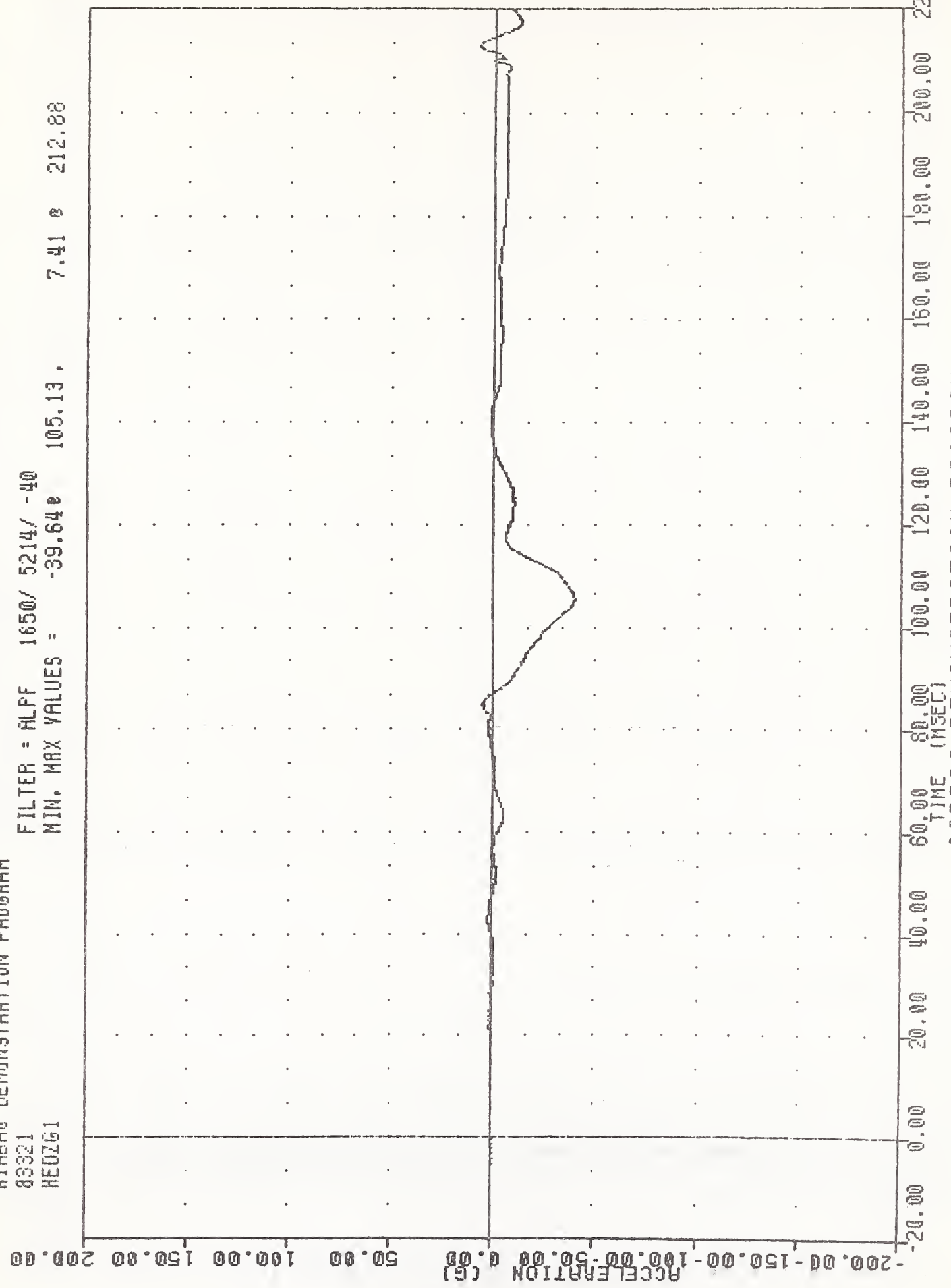


AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Y AXIS 50TH PERCENTILE

VATE , R0583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
HE0261

PLOT DATE 17-NOV-83 11:17:40

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -39.64e 105.13, 7.41 e 212.88

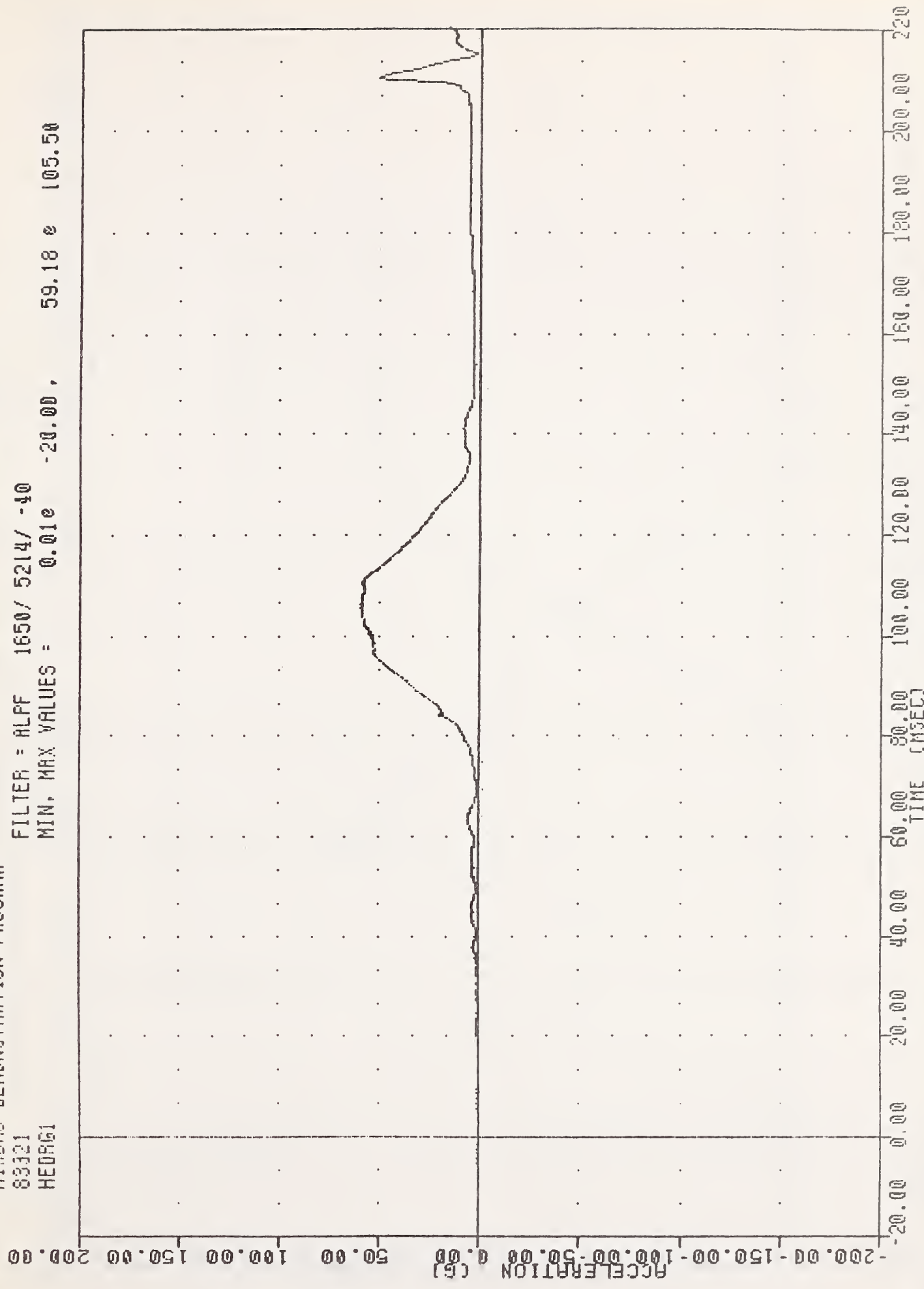


AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION 7 AXIS 50TH PERCENTILE

VRIC , RD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
HEADR61

PLOT DATE 17-NOV-83 11:17:40

FILTER = ALFF 1650/ 5214/ -40  
MIN. MAX VALUES = 0.01e -20.00, 59.18 e 105.50

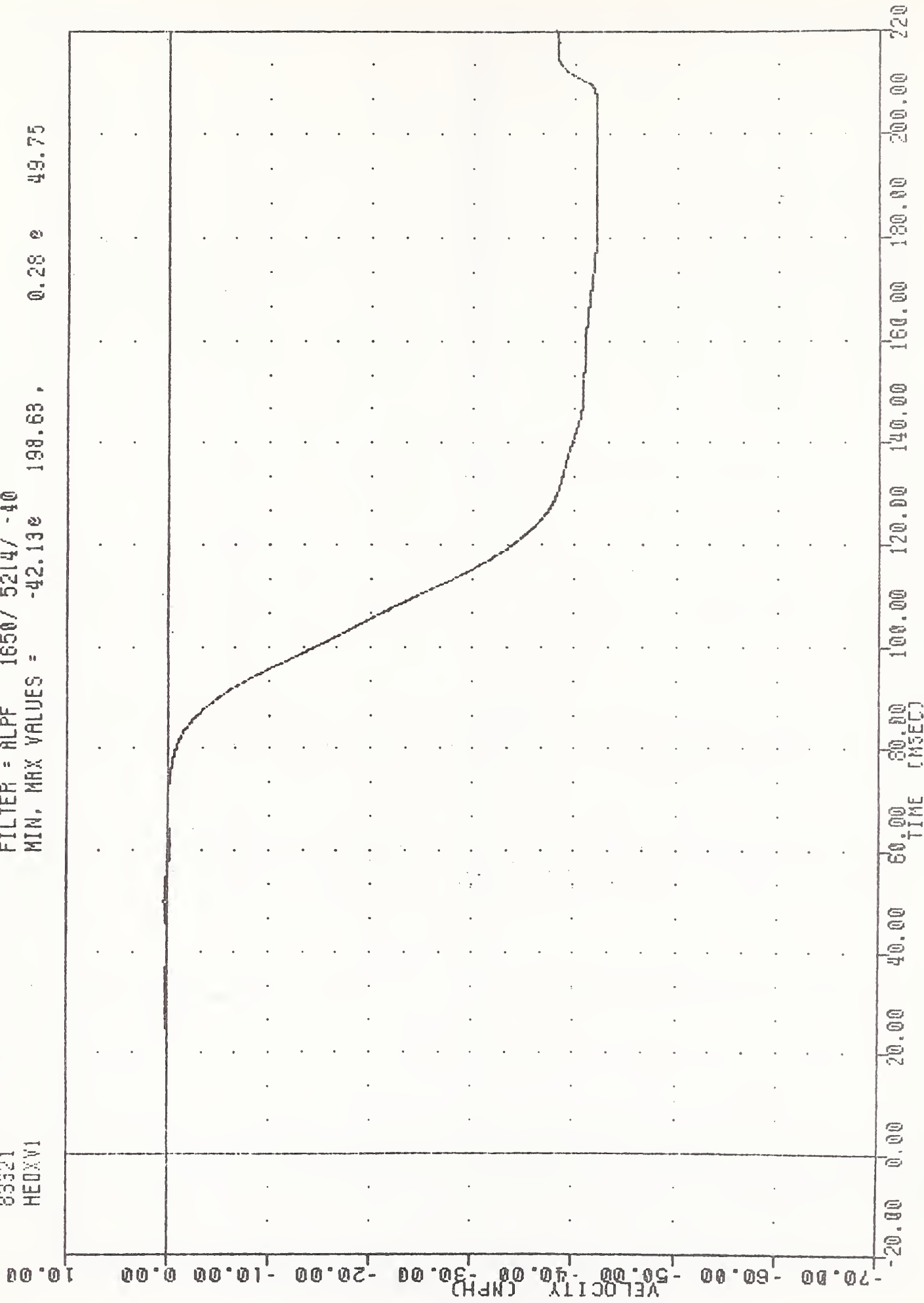


AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 50TH PERCENTILE

VRTC , FD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
HEADV1

PLOT DATE 17-NOV-83 11:17:40

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -42.13e 198.63, 0.28 e 49.75

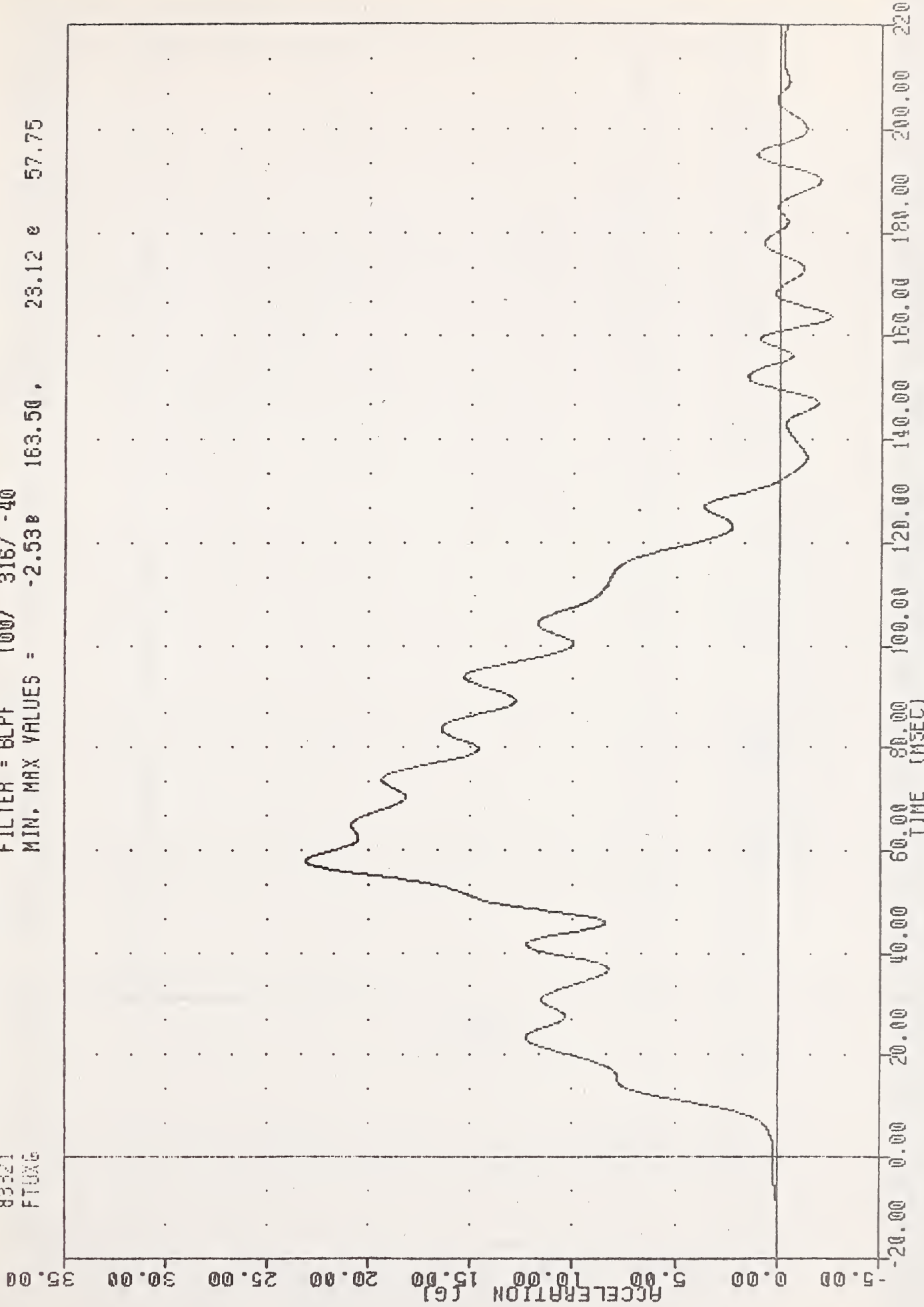


AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS 50TH PERCENTILE

WPTC  
AIRBAG DEMONSTRATION PROGRAM  
83921  
FTUNE

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLPF 100/ 316/ -40  
MIN. MAX VALUES = -2.53e 163.50, 23.12 e 57.75

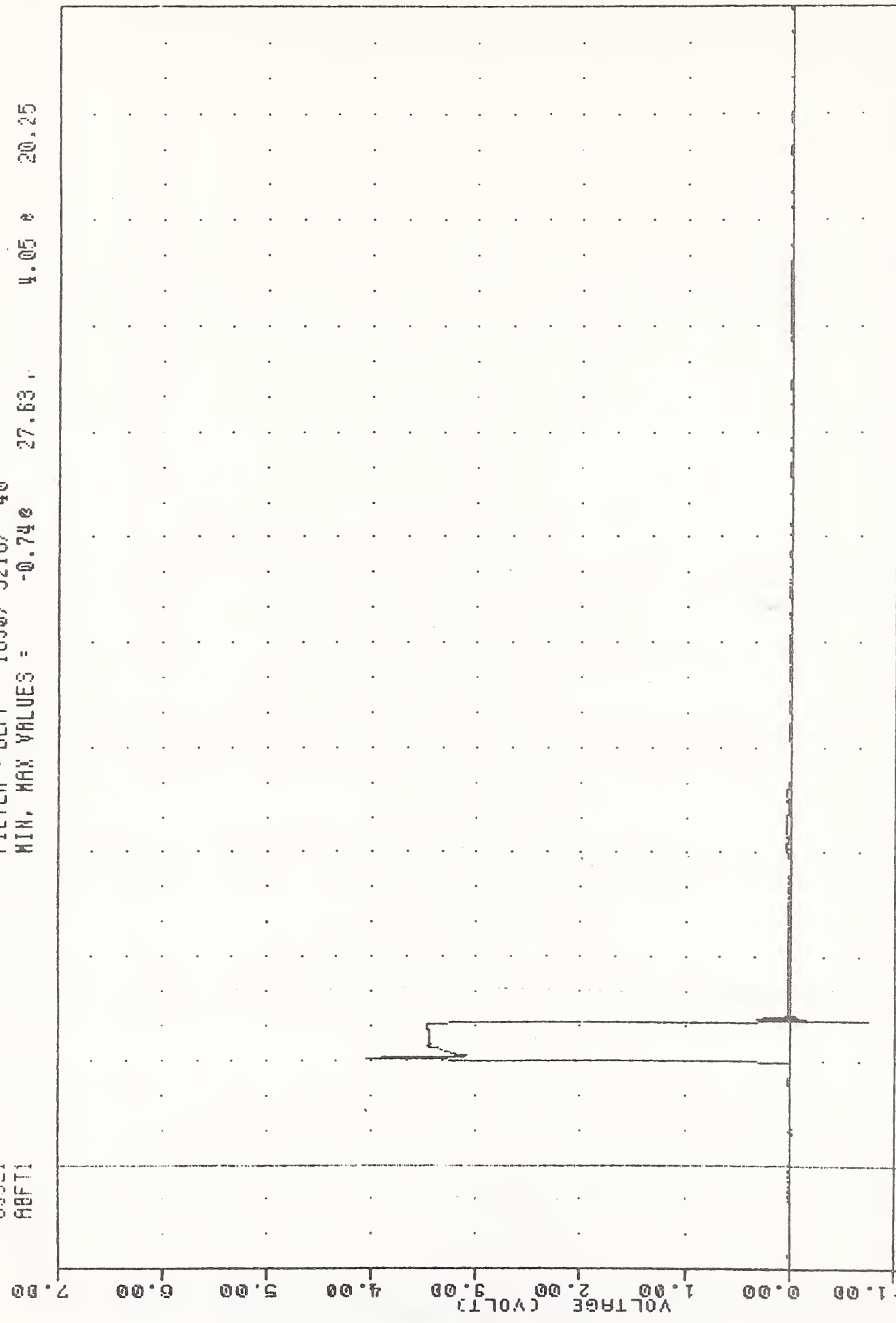


AIRBAG DEMONSTRATION PROGRAM  
FLOOR PAN TUNNEL ACCELERATION

VRTC  
 AIRBAG DEMONSTRATION PROGRAM  
 83321  
 ABFT1

PLOT DATE 17-NOV-88 11:17:40

FILTER = BLFF 1650/ 5218/ .40  
 MIN. MAX VALUES = -0.740 27.63 4.05 20.25



-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

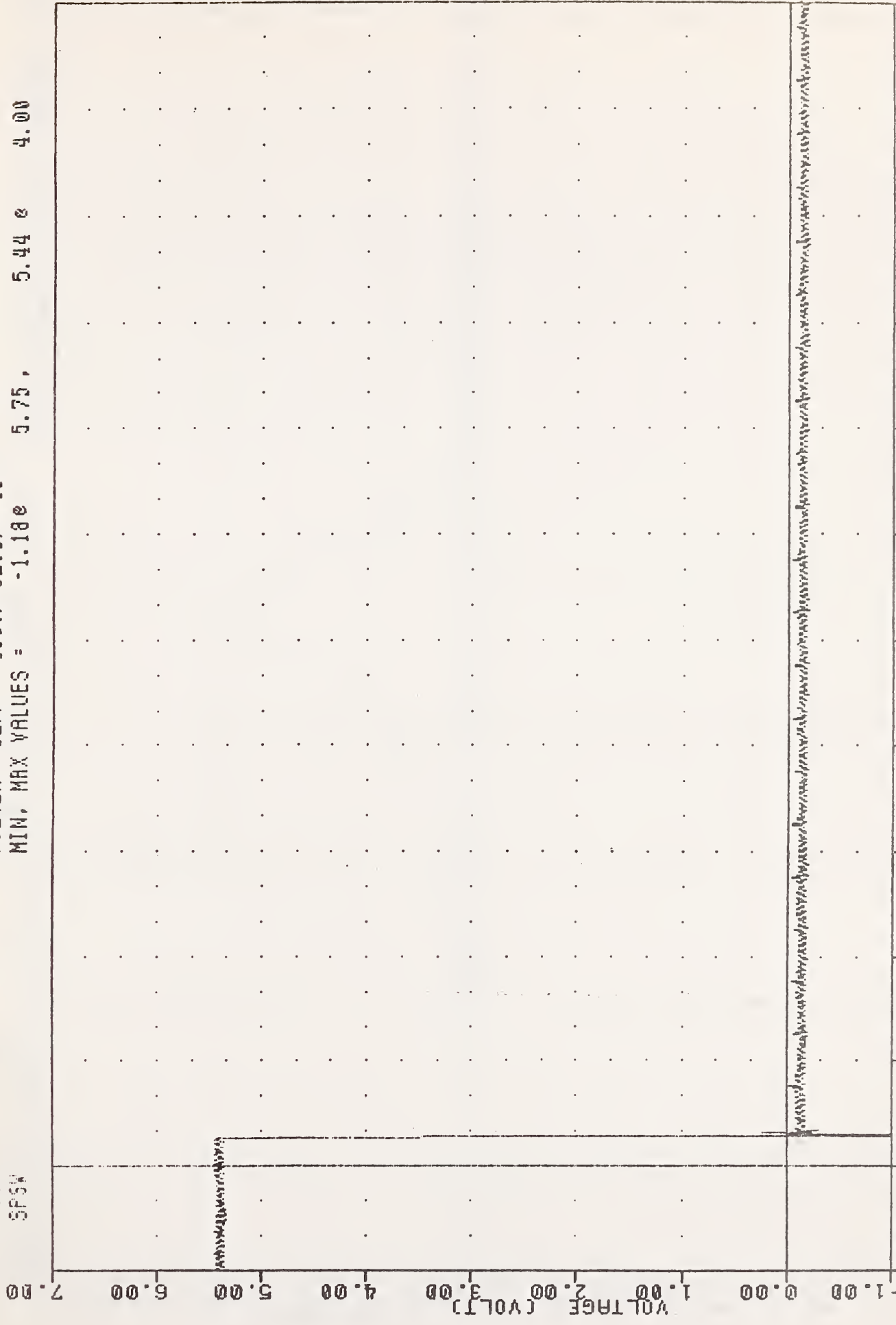
AIRBAG DEMONSTRATION PROGRAM  
 AIR BAG FIRING EVENT 50TH PERCENTILE



WRT  
 AIRBAG DEMONSTRATION PROGRAM  
 88221  
 SP5W

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLFF 1650/ 5218/ -40  
 MIN, MAX VALUES = -1.18e 5.75, 5.44 e 4.00



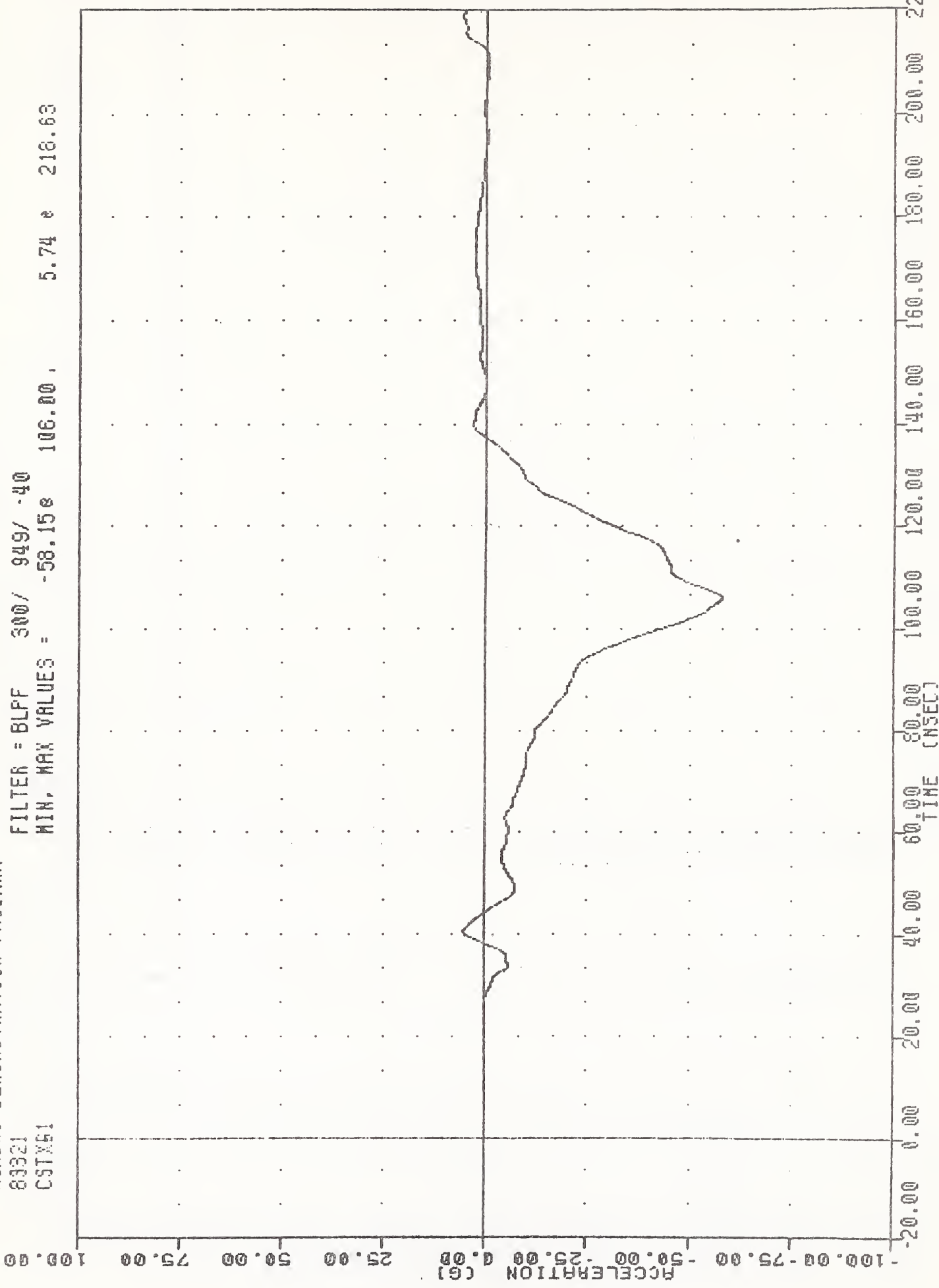
AIRBAG DEMONSTRATION PROGRAM  
 SLED POSITION SWITCH



VRIC , R0583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
CSTX61

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLPF 300 / 949 / .40  
MIN, MAX VALUES = -58.15e 106.00 , 5.74 e 218.63

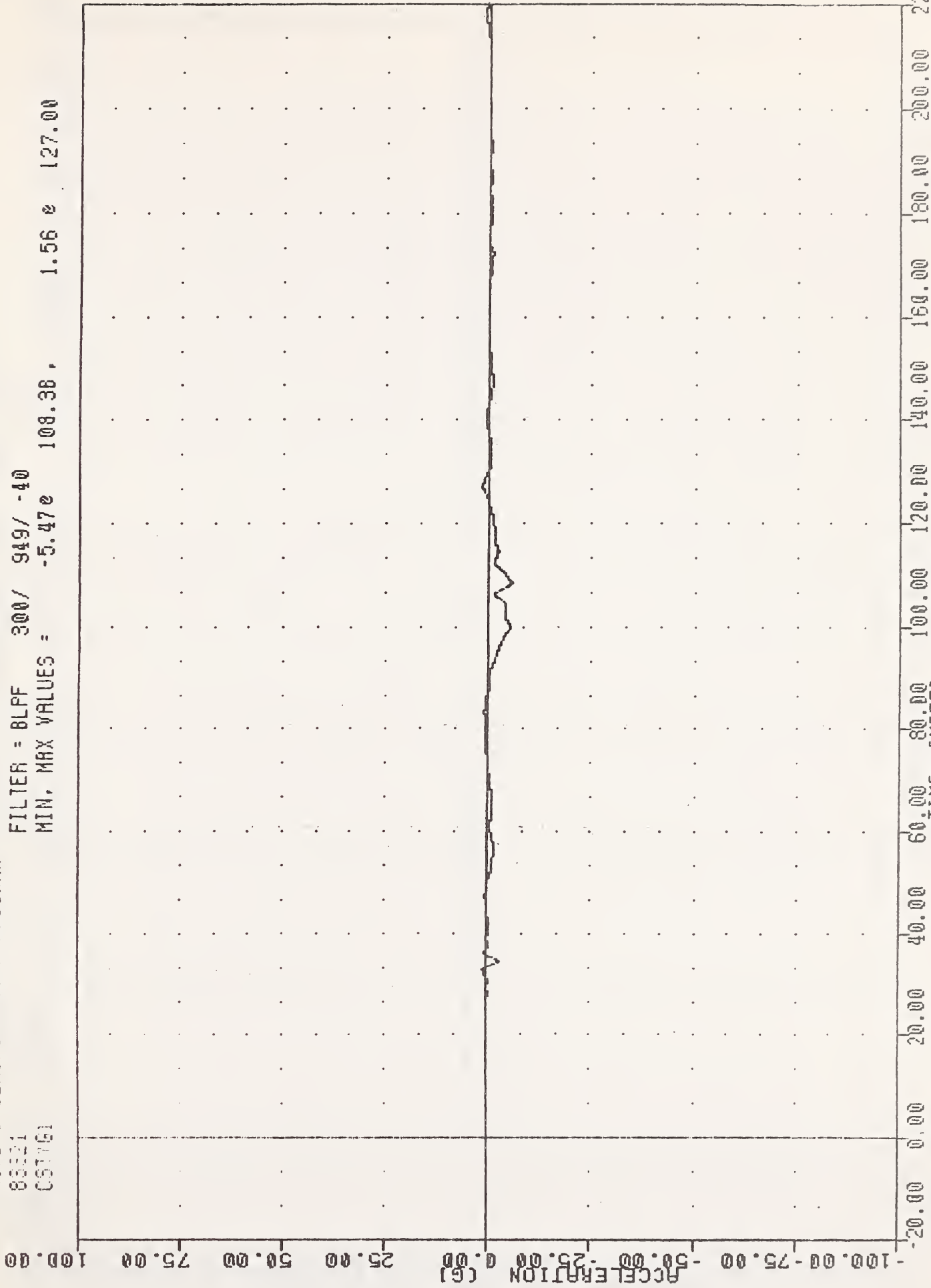


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 50TH PERCENTILE

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLFF 300/ 949/ -40  
MIN. MAX VALUES = -5.47e 108.36 , 1.56 e 127.00

VR7C , RD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
88321  
CST161

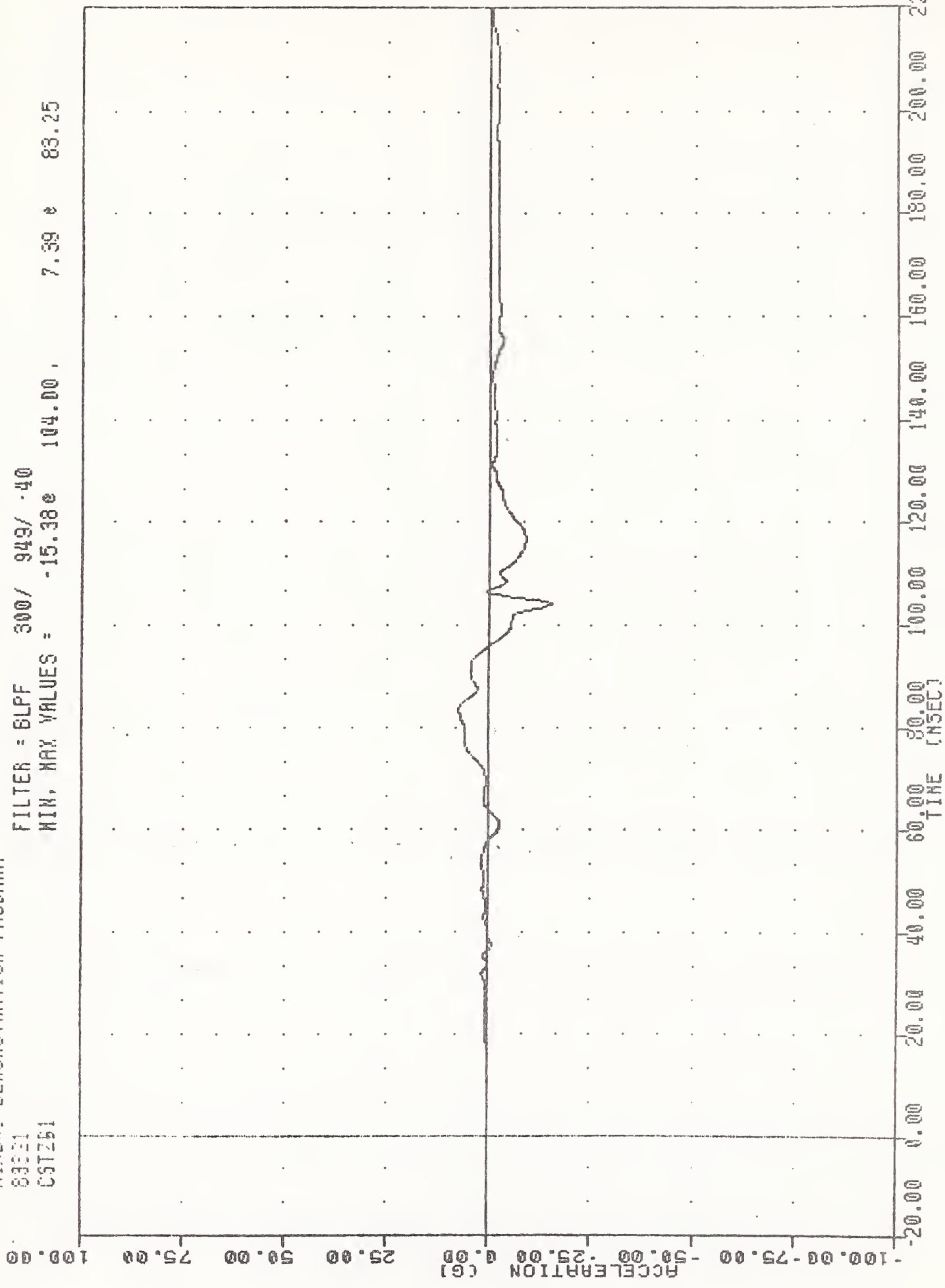


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 50TH PERCENTILE

VRTC , RD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83831  
CSTZ51

PLOT DATE 17-NOV-83 11:17:40

FILTER = 6LPF 300/ 949/ .40  
MIN, MAX VALUES = -15.38e 104.00 . 7.39 e 83.25

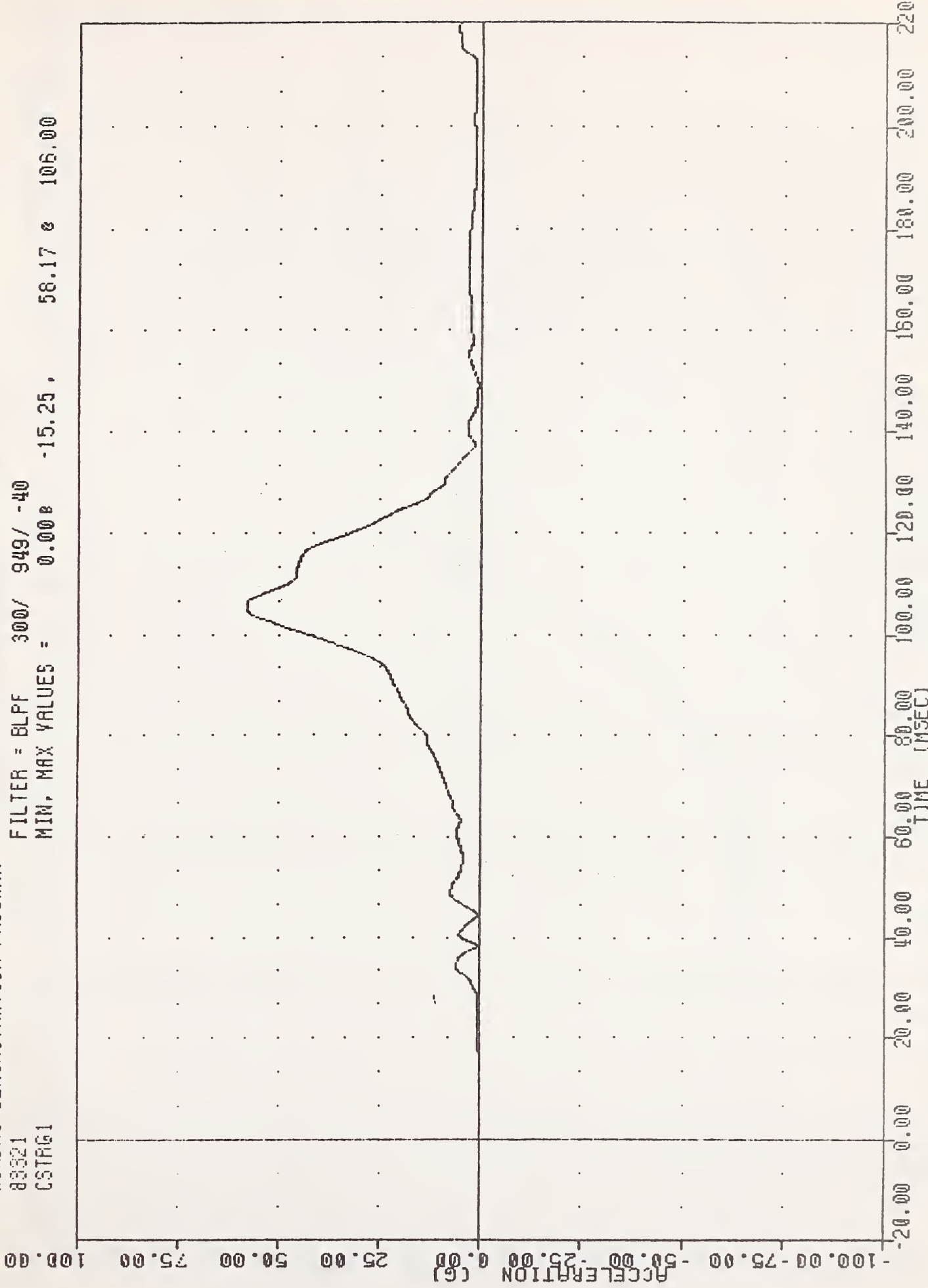


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 50TH PERCENTILE

VRTC  
AIRBAG DEMONSTRATION PROGRAM  
83321  
CSTRG1

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = 0.008 -15.25, 58.17 @ 106.00

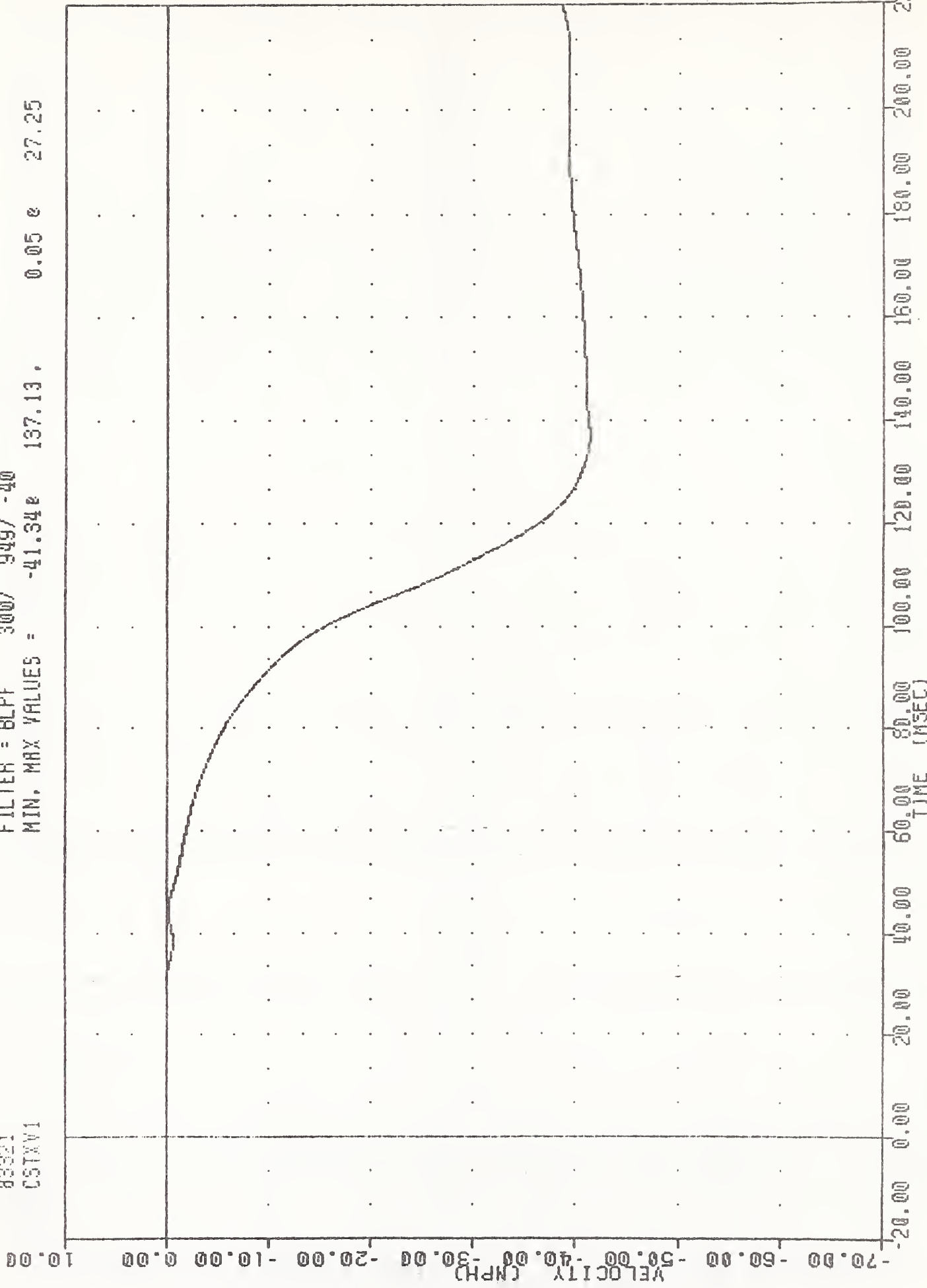


AIRBAG DEMONSTRATION PROGRAM  
CHEST RESULTANT ACCELERATION 50TH PERCENTILE

VRTC  
AIRBAG DEMONSTRATION PROGRAM  
83321  
CSTXV1

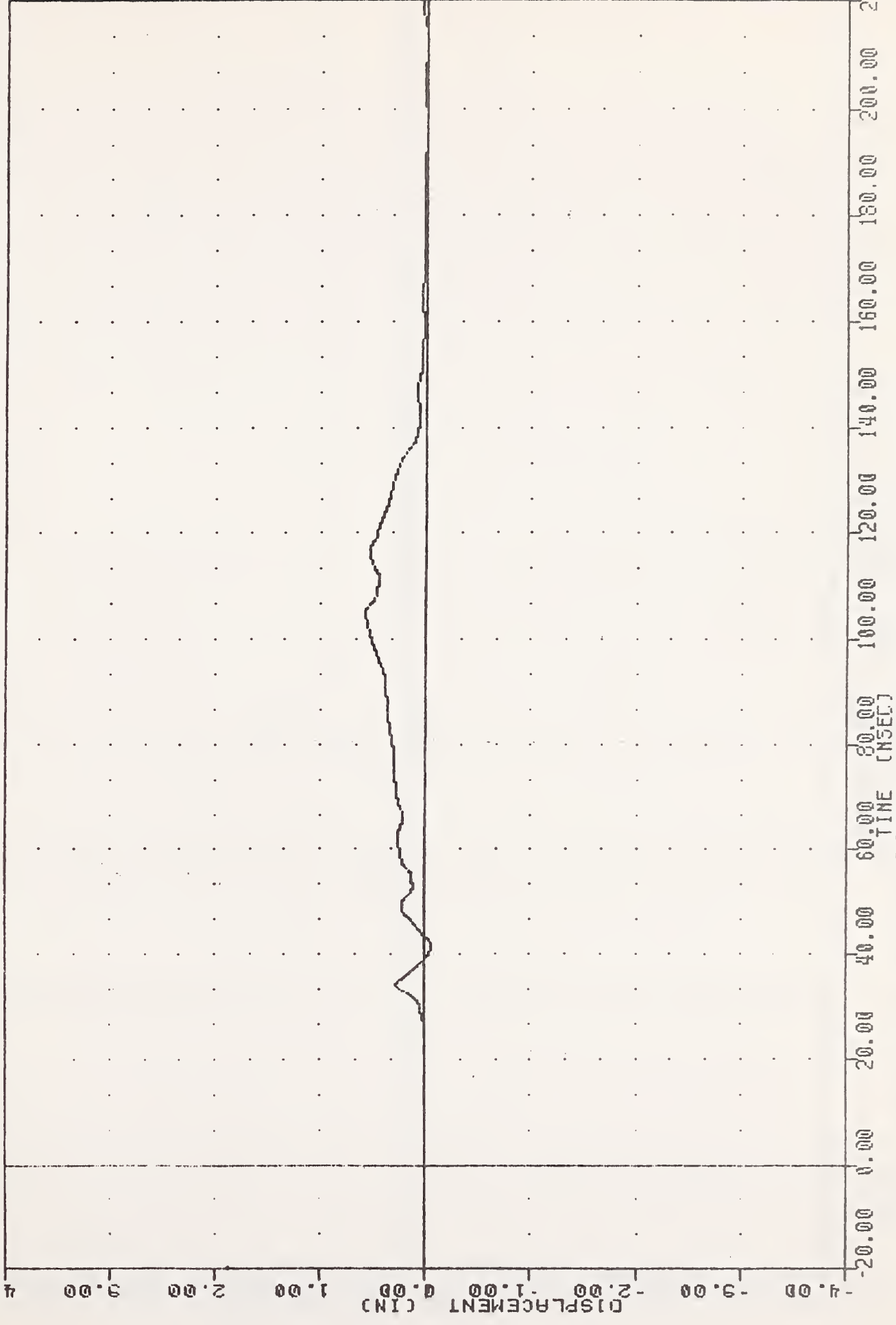
PLOT DATE 17-NOV-83 11:17:40

FILTER = 6LFF 300/ 949/ -40  
MIN. MAX VALUES = -41.34e 137.13, 0.05 e 27.25



AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY X AXIS 50TH PERCENTILE

WRTC , RD583-2-24 PLOT DATE 17-NOV-83 11:17:40  
 AIRBAG DEMONSTRATION PROGRAM  
 83921 FILTER = BLPF 300/ 949/ -40  
 CSTXU MIN, MAX VALUES = -0.06e 41.50 , 0.58 e 104.75



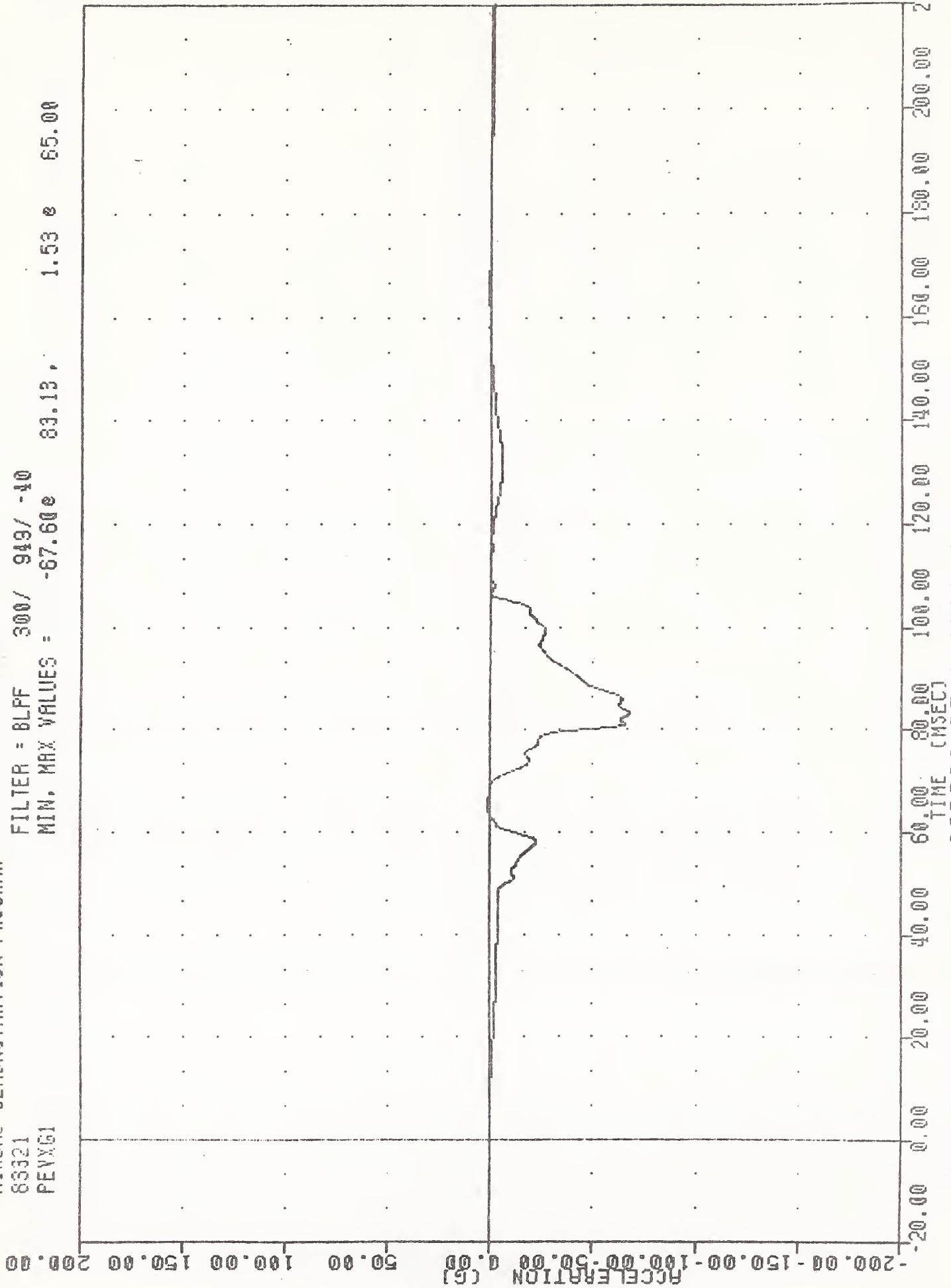
AIRBAG DEMONSTRATION PROGRAM  
 CHEST DISPLACEMENT 50TH PERCENTILE



VRTC , RD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
PEYX61

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -67.60e 83.13, 1.53 e 65.00



AIRBAG DEMONSTRATION PROGRAM  
PFI VIS AFFIRMATION X AXIS 50TH PERCENTILE

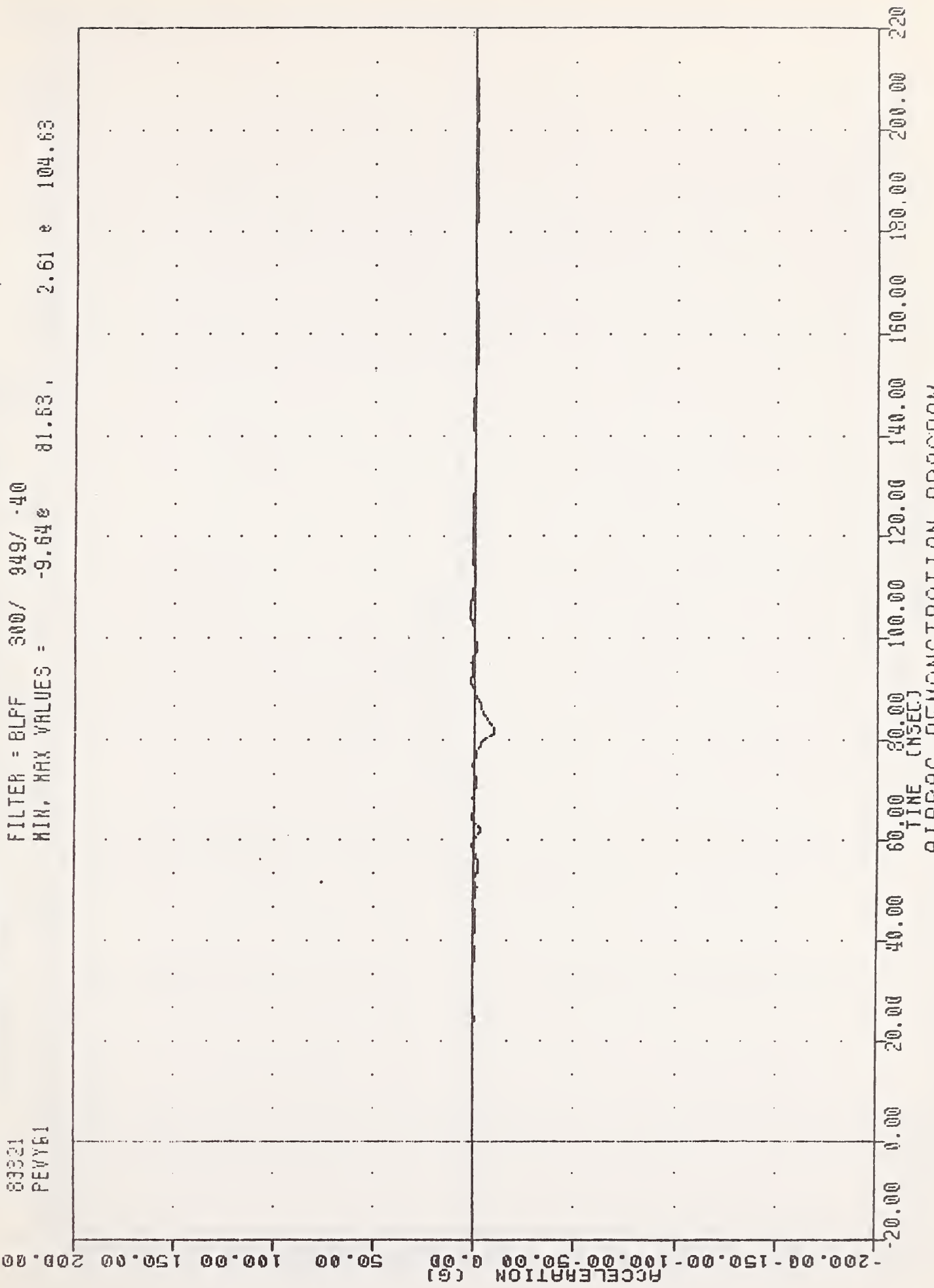


WATC , RD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
PEVY61

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -9.64e 81.63. 2.61 e 104.63



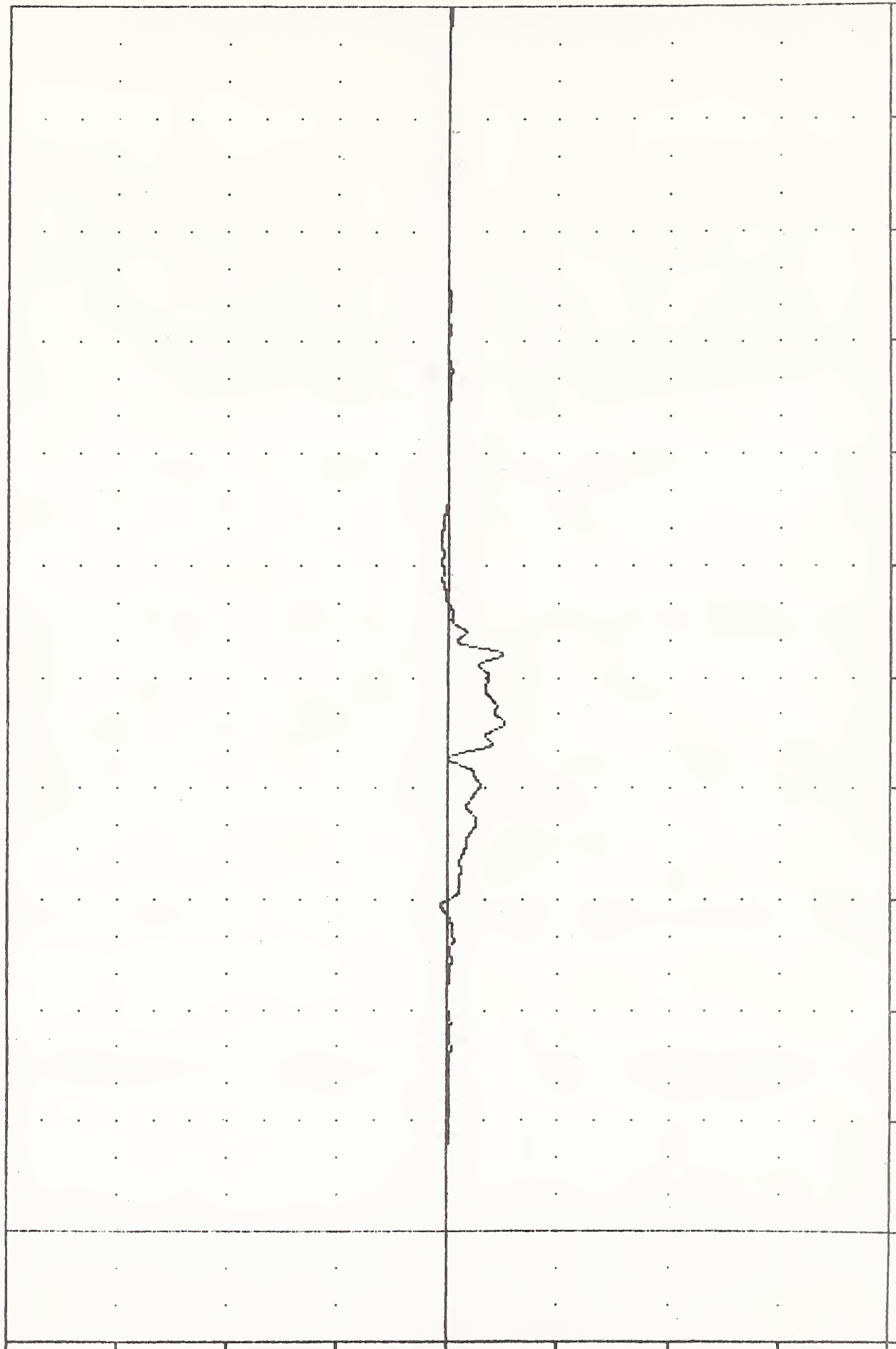
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Y AXIS 50TH PERCENTILE

VRTC , RD563-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
PEVZ61

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -25.638 91.50 , 3.39 @ 124.63

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



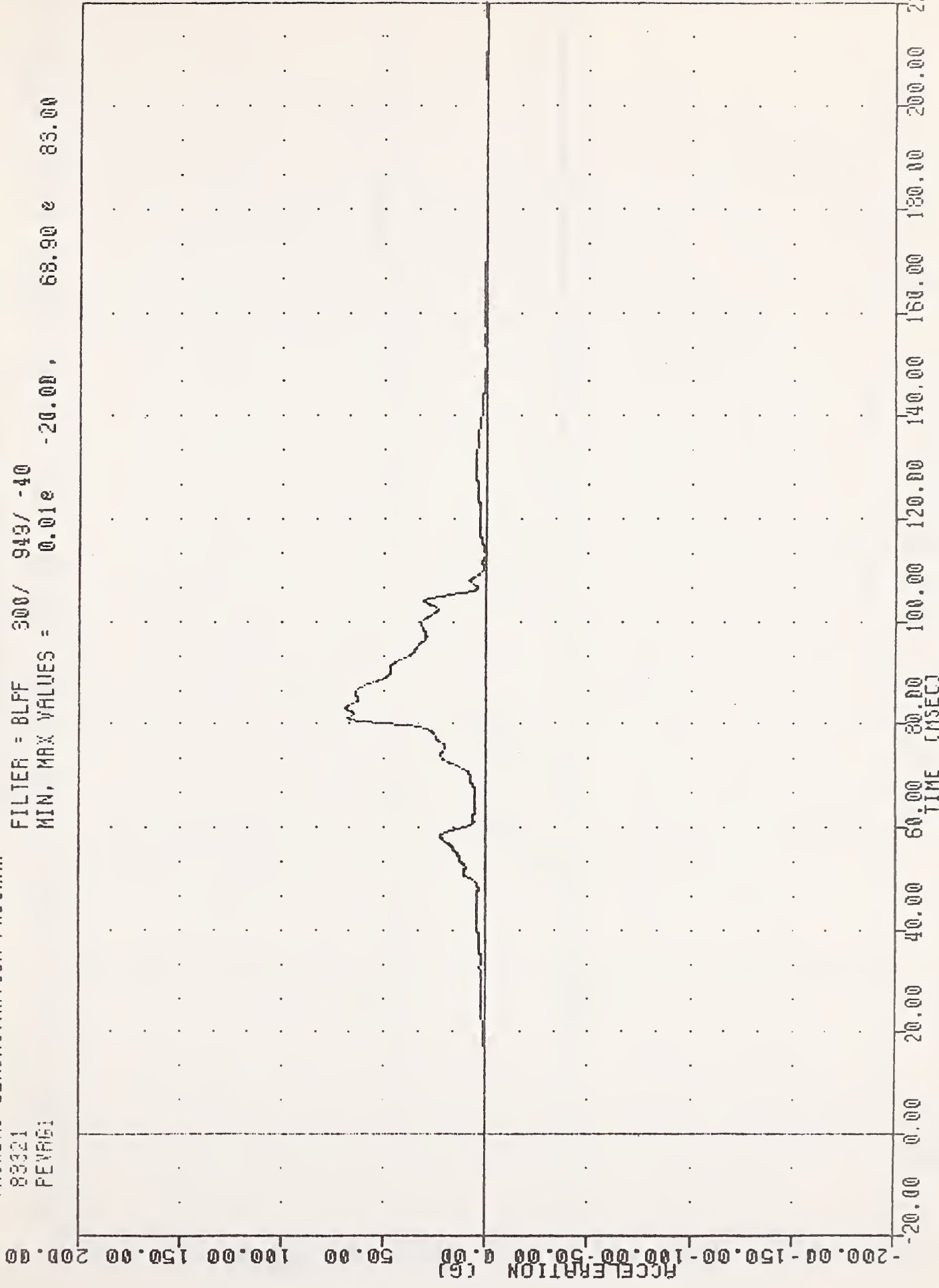
TIME (MSEC)  
60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
PEVZ61 ACCELERATION 7 BYTS 50TH PERCENTILE

VRTC , R0583-2-24  
 AIRBAG DEMONSTRATION PROGRAM  
 83321  
 PEV861

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLPF 300/ 949/ -40  
 MIN, MAX VALUES = 0.01e -20.00, 68.90 e 83.00



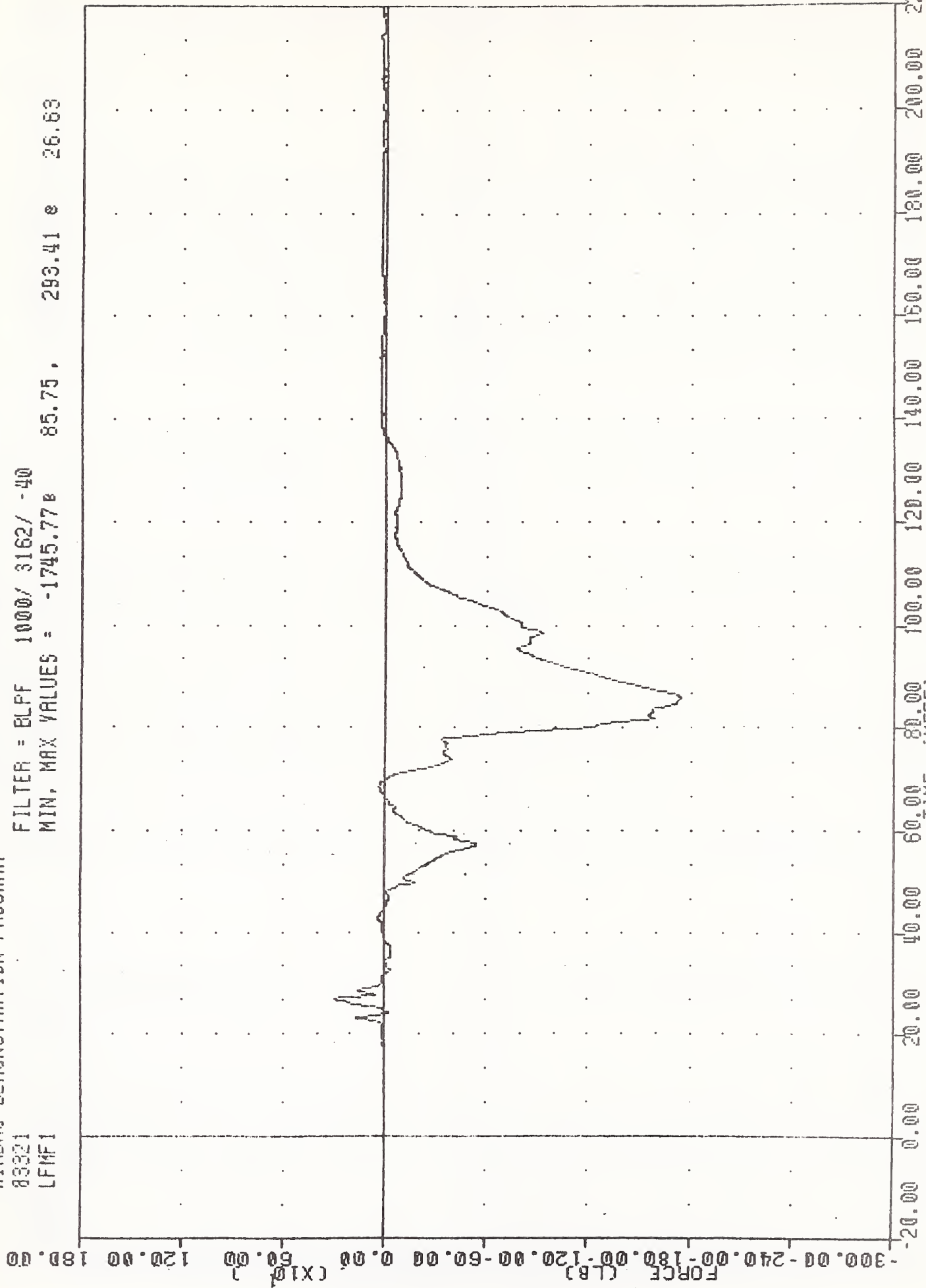
AIRBAG DEMONSTRATION PROGRAM

PFI VIS RESISTANT ACCELERATION 50TH PERCENTILE

VRTC , R0583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
LFMFI

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLPF 1000/ 3162/ -40  
MIN, MAX VALUES = -1745.77 85.75 , 293.41 26.63



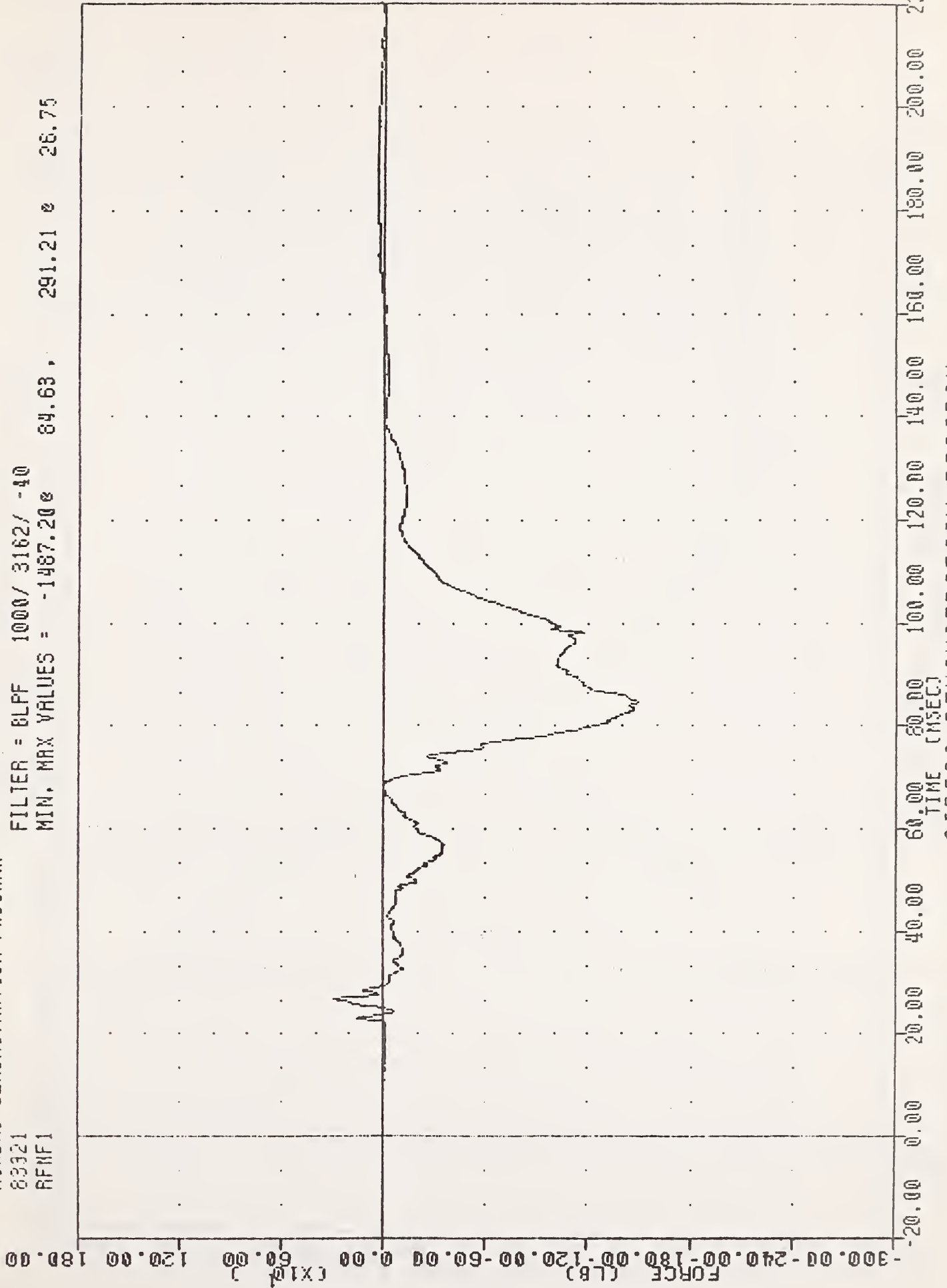
AIRBAG DEMONSTRATION PROGRAM  
LEFT FRONT FORCE IN IRS 50TH PERCENTILE

VRTC , PD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
RFMF1

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -1487.20e 84.63 , 291.21 e 26.75



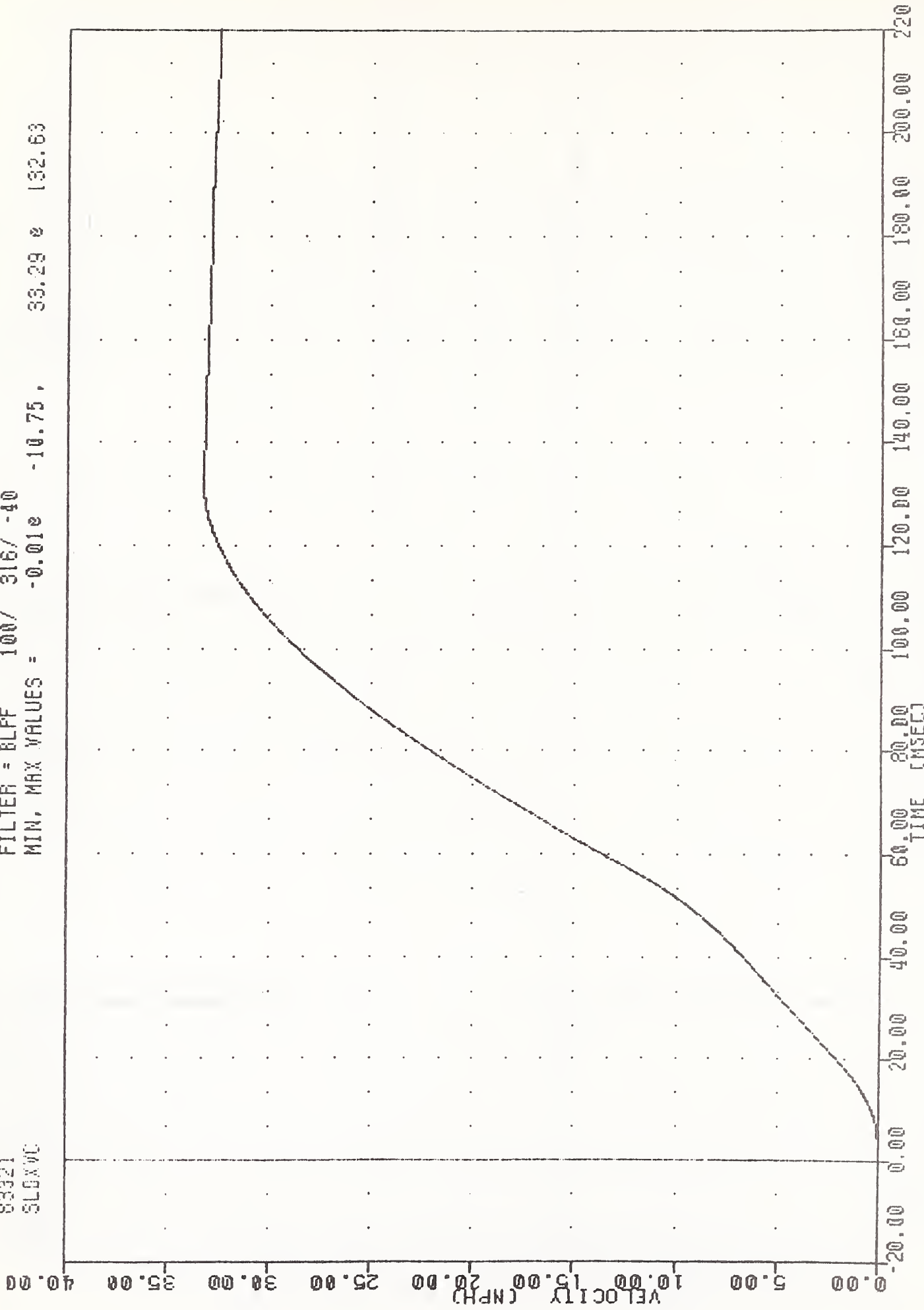
AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN 1RS 5MTH PERCENTILE

VR10 , RD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
SLOWVC

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -0.01e -10.75, 33.28 e 132.63



AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SLED VELOCITY

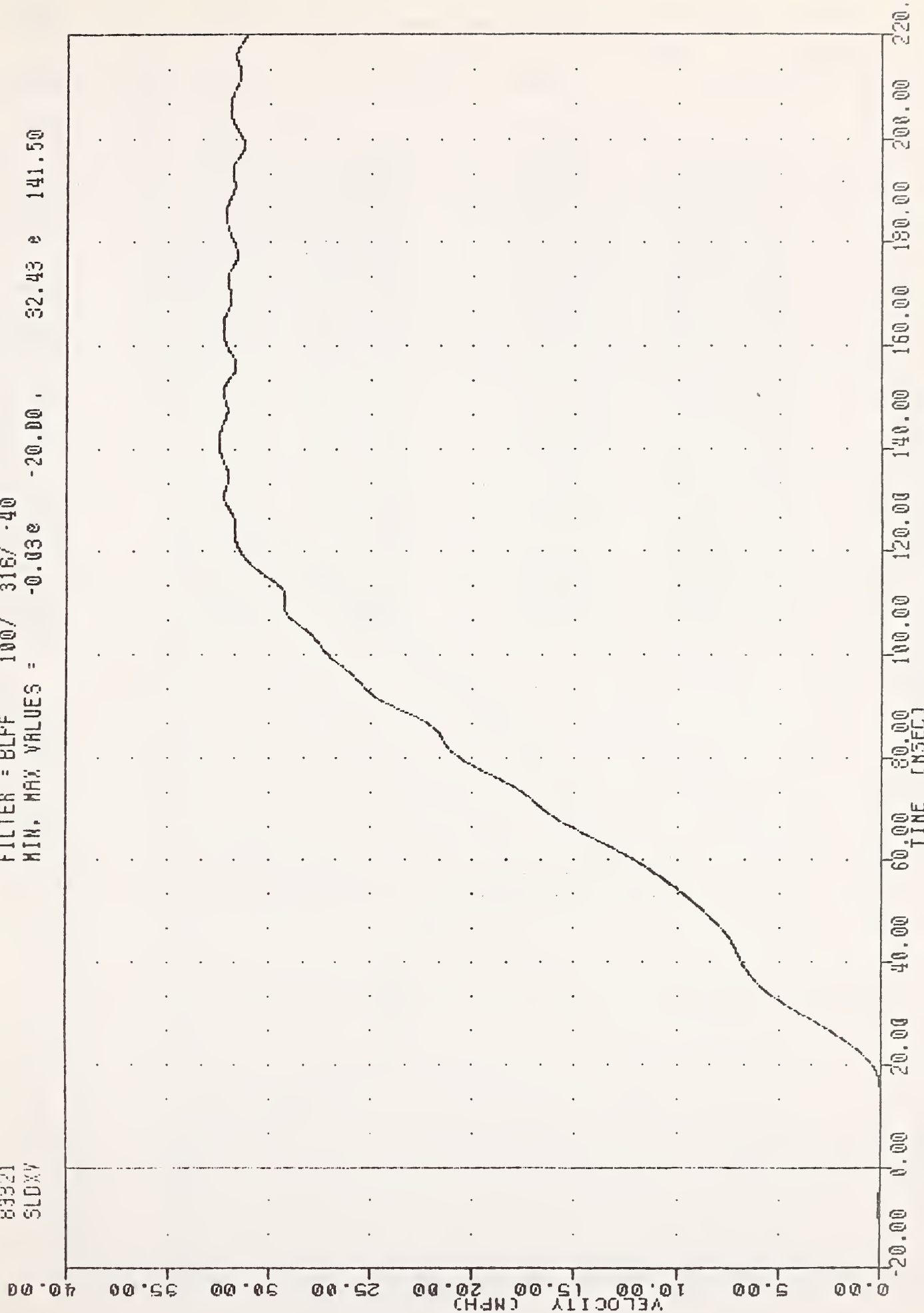


WATC , RD588-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
SLOWLY

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLFF 100/ 316/ .40

MIN. MAX VALUES = -0.03e -20.00 , 32.43 e 141.50



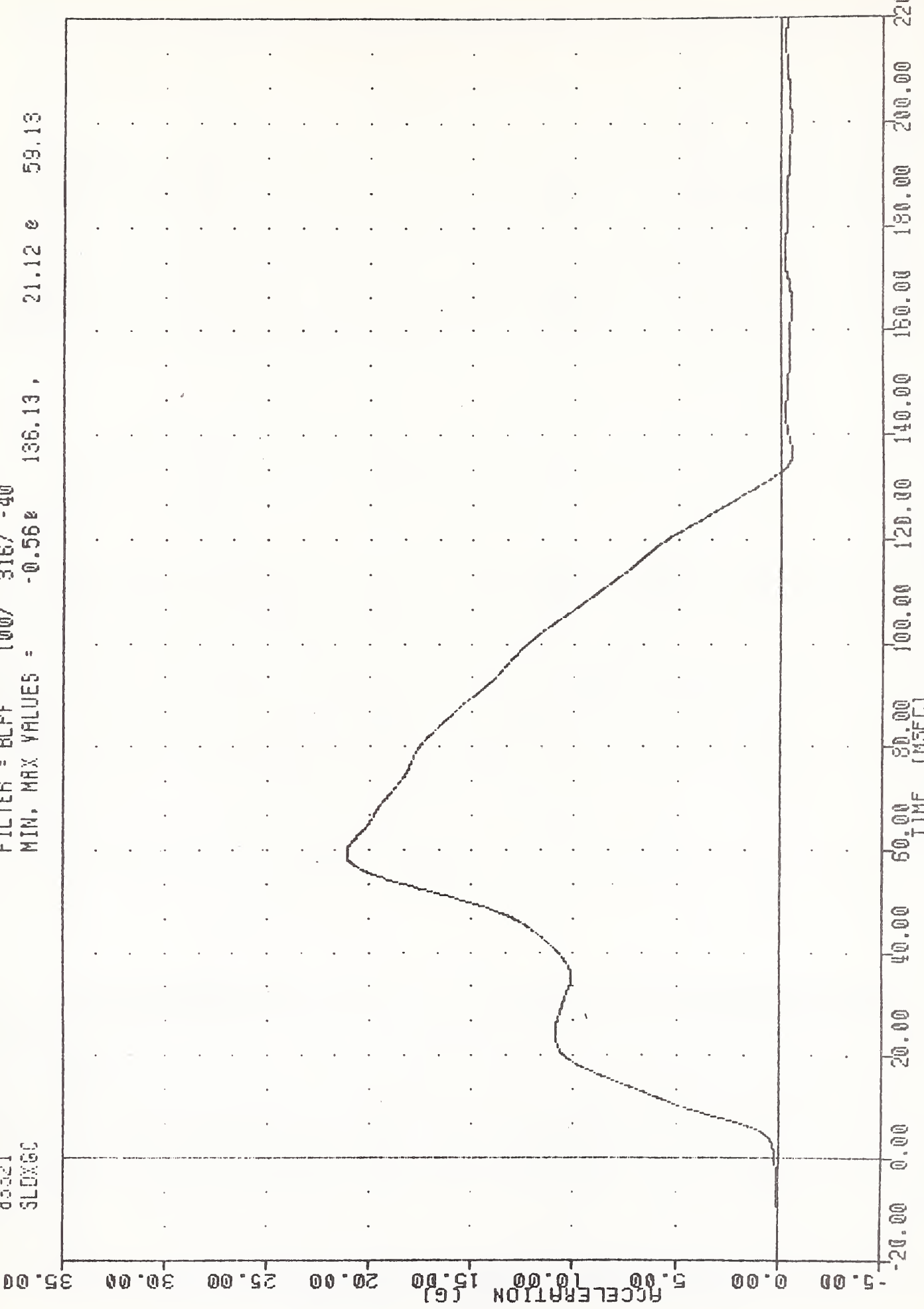
AIRBAG DEMONSTRATION PROGRAM  
SLED VELOCITY



VRTC , RD583-2-24  
AIRBAG DEMONSTRATION PROGRAM  
83321  
SLOXGC

PLOT DATE 17-NOV-83 11:17:40

FILTER = BLFF 100/ 316/ -40  
MIN, MAX VALUES = -0.56e 136.13, 21.12 e 59.13



AIRBAG DEMONSTRATION PROGRAM  
SLED ACCELERATION

		Min value		Max value			Uni
1	SPSW	-1.263	@ 5.000	5.439	@ -12.875	msec	volt
2	SLDXGC	-0.578	@ 193.875	21.065	@ 58.625	msec	g
3	SLDXVC	-0.011	@ -12.000	33.131	@ 133.125	msec	mph
4	SLDXV	-0.024	@ -3.375	32.422	@ 141.375	msec	mph
5	FTUXG	-2.312	@ 137.000	23.603	@ 57.750	msec	g
6	ABFT1	-0.593	@ 27.000	4.164	@ 19.625	msec	volt
7	HEDXG2	-72.590	@ 105.750	36.389	@ 197.875	msec	g
8	HEDXV2	-40.027	@ 157.875	0.124	@ 50.125	msec	mph
9	HEDYG2	-8.315	@ 121.125	10.827	@ 100.625	msec	g
0	HEDZG2	-42.707	@ 97.375	1.873	@ 30.625	msec	g
1	CSTXG2	-33.639	@ 92.750	10.575	@ 244.375	msec	g
2	CSTXV2	-40.660	@ 198.625	0.007	@ 21.250	msec	mph
3	CSTYG2	-1.440	@ 104.375	6.124	@ 90.875	msec	g
4	CSTZG2	-5.935	@ 64.625	8.884	@ 86.500	msec	g
5	PEVXG2	-32.255	@ 87.625	3.385	@ 132.125	msec	g
6	PEVYG2	-7.473	@ 100.250	4.746	@ 83.750	msec	g
7	PEVZG2	-3.617	@ 241.625	24.426	@ 93.625	msec	g
8	LFMF2	-384.479	@ 55.250	464.508	@ 25.625	msec	lb
9	RFMF2	-271.339	@ 60.250	499.553	@ 25.625	msec	lb
0	SHBF2	-12.942	@ 270.750	1961.870	@ 99.875	msec	lb
1	HEDRG2	0.027	@ -24.625	78.999	@ 106.250	msec	g
2	CSTRG2	0.002	@ -2.250	34.081	@ 92.625	msec	g
3	PEVRG2	0.015	@ -6.125	39.338	@ 94.250	msec	g

\*\*\* HIC computation for TRC237I 18-NOV-83 14:38:28

HEDRG2        VRTC        RD583-2-25 83322        AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec        Peak accel = 79.00 @ 106.250

HIC = 733.59        Interval from 91.000 [ 929] to 118.375 [1148]

HIC = 619.74        Interval from 97.500 [ 981] to 112.500 [1101]

Elapsed time = 13.45 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$

VRTC , R0583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
HEDXG2

PLOT DATE 18-NOV-83 14:32:48

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -72.598 105.75 , 36.39 e 197.88



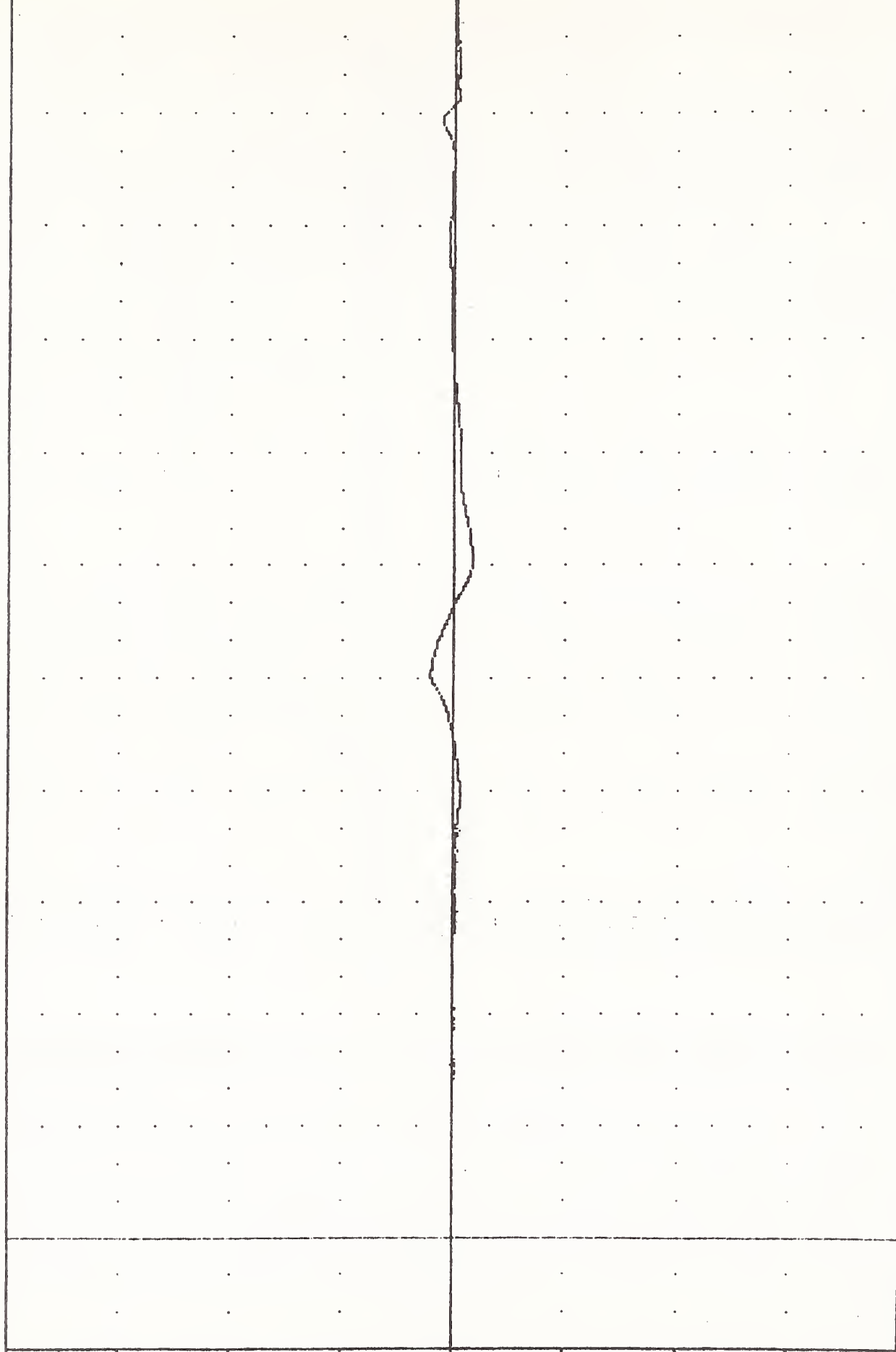
AIRBAG DEMONSTRATION PROGRAM  
NEON ACCELERATION V BYTE NETU PERCENTILE

WRTC , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
MEDY62

PLOT DATE 16-NOV-83 14:32:48

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -8.328 121.13 , 10.63 e 100.63

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



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

AIRBAG DEMONSTRATION PROGRAM

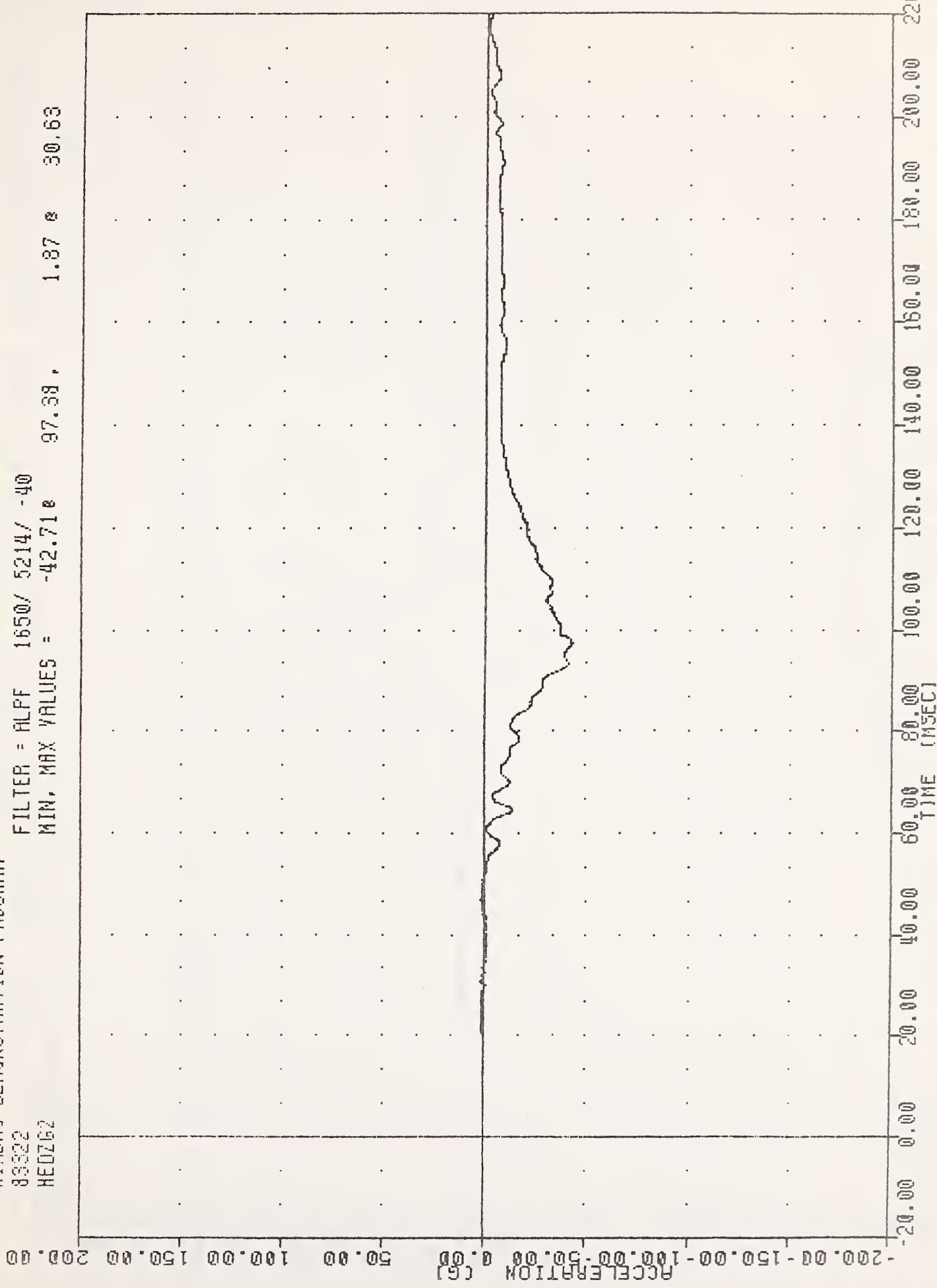
GENERAL ACCCELERATION V DVIC DETU PERCENTIVE

VRTC , R0583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
HEADZ62

PLUT DATE 18-NDV-83 14:32:48

FILTER = ALFF 1650/ 5214/ -40

MIN, MAX VALUES = -42.71e 97.38, 1.87 e 30.63



AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION 7 AVTS 95TH PERCENTILE

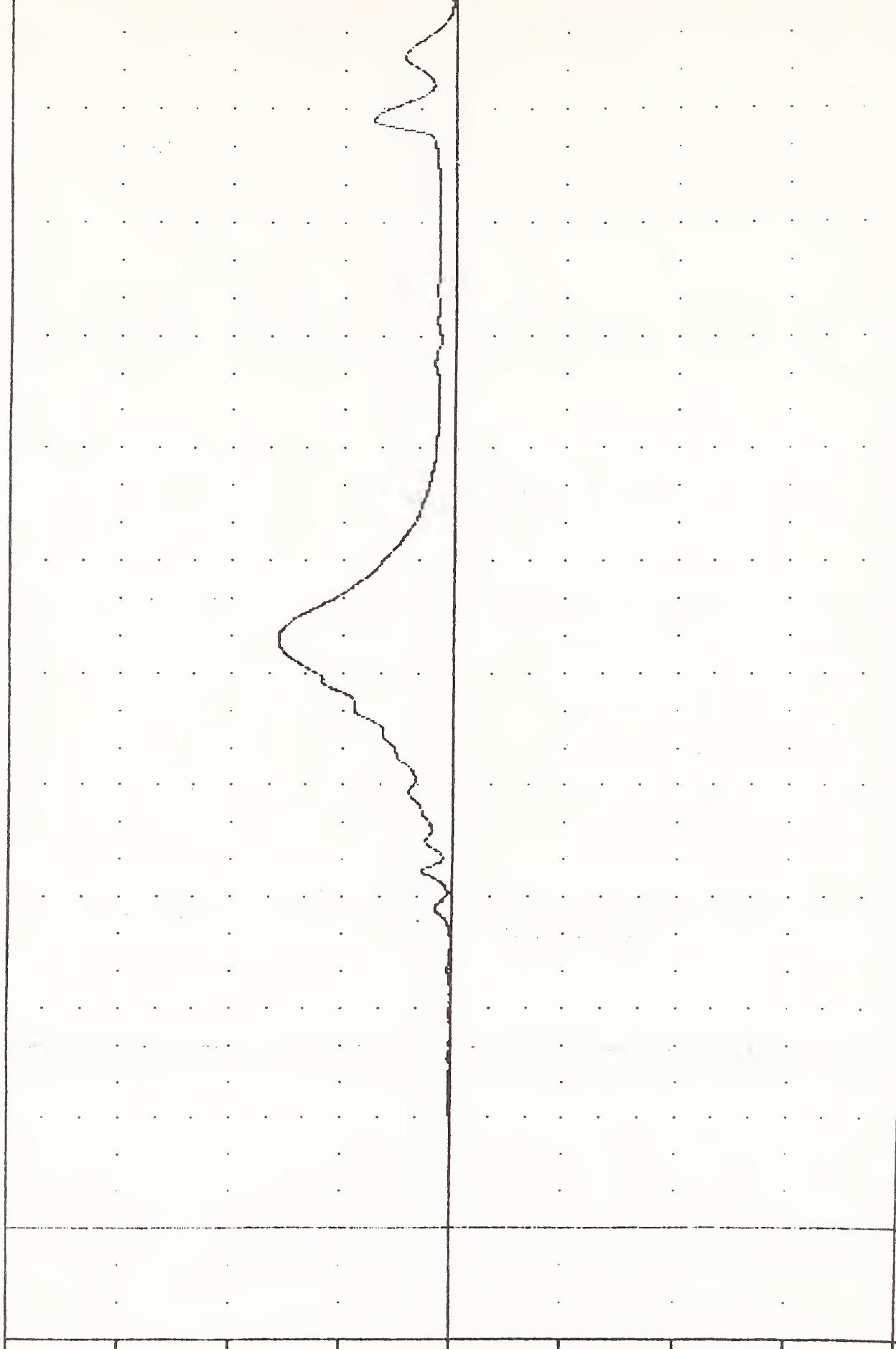
WATS , R0583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
HEADISE

PLOT DATE 18-NOV-83 14:32:48

FILTER = ALPF 1850/ 5214/ -40

MIN, MAX VALUES = 0.03e -19.75, 79.00 e 106.25

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  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM

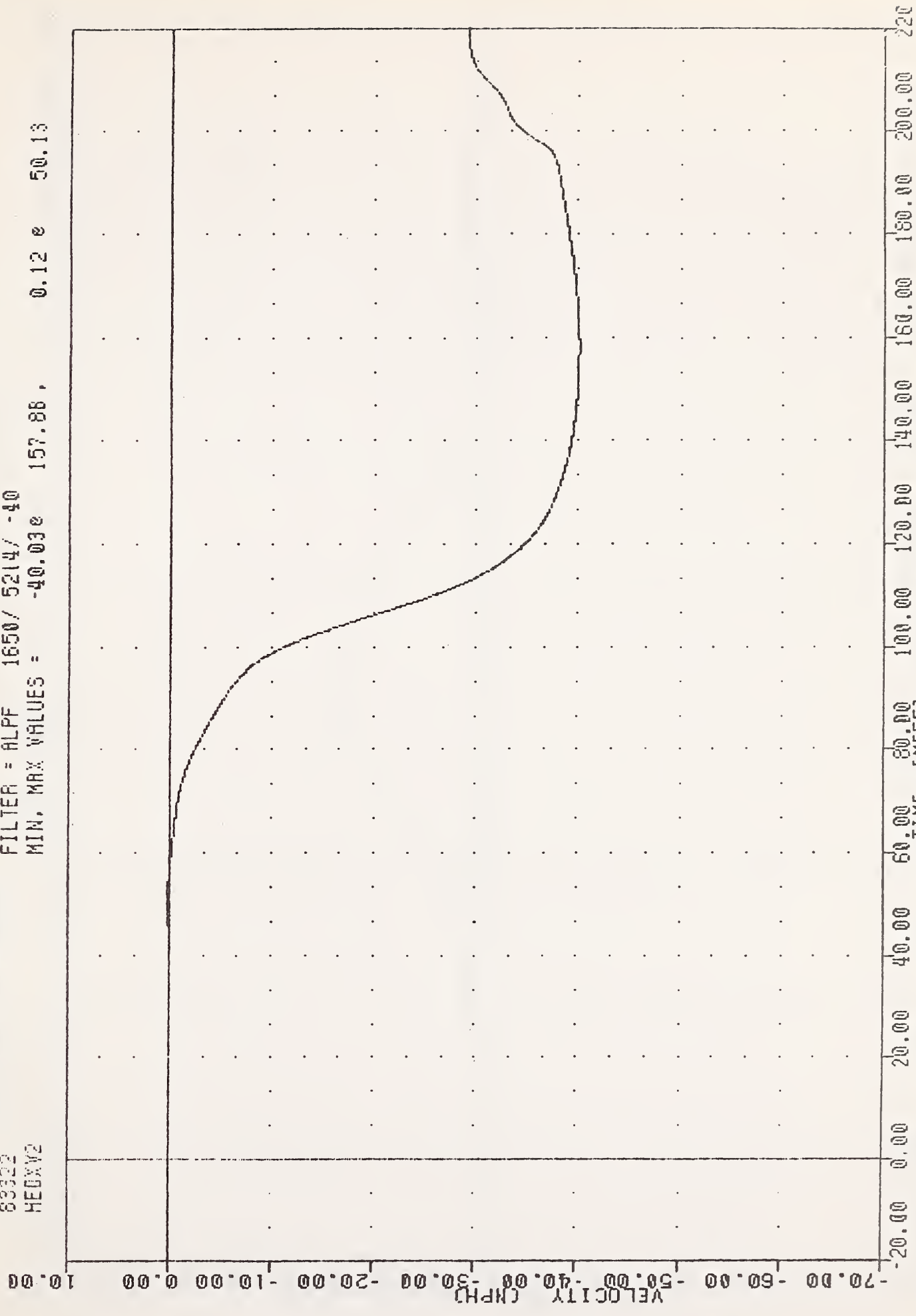
MEMO ACCURACY NOT ACCURATE POSITION NOT ACCURATE



WIND SPEED FROM TYPICAL OBSERVATION DATA PERCENTAGE

WRTC , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
HEADY2

PLOT DATE 18-NOV-83 14:32:48  
FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -40.03e 157.88, 0.12 e 50.13



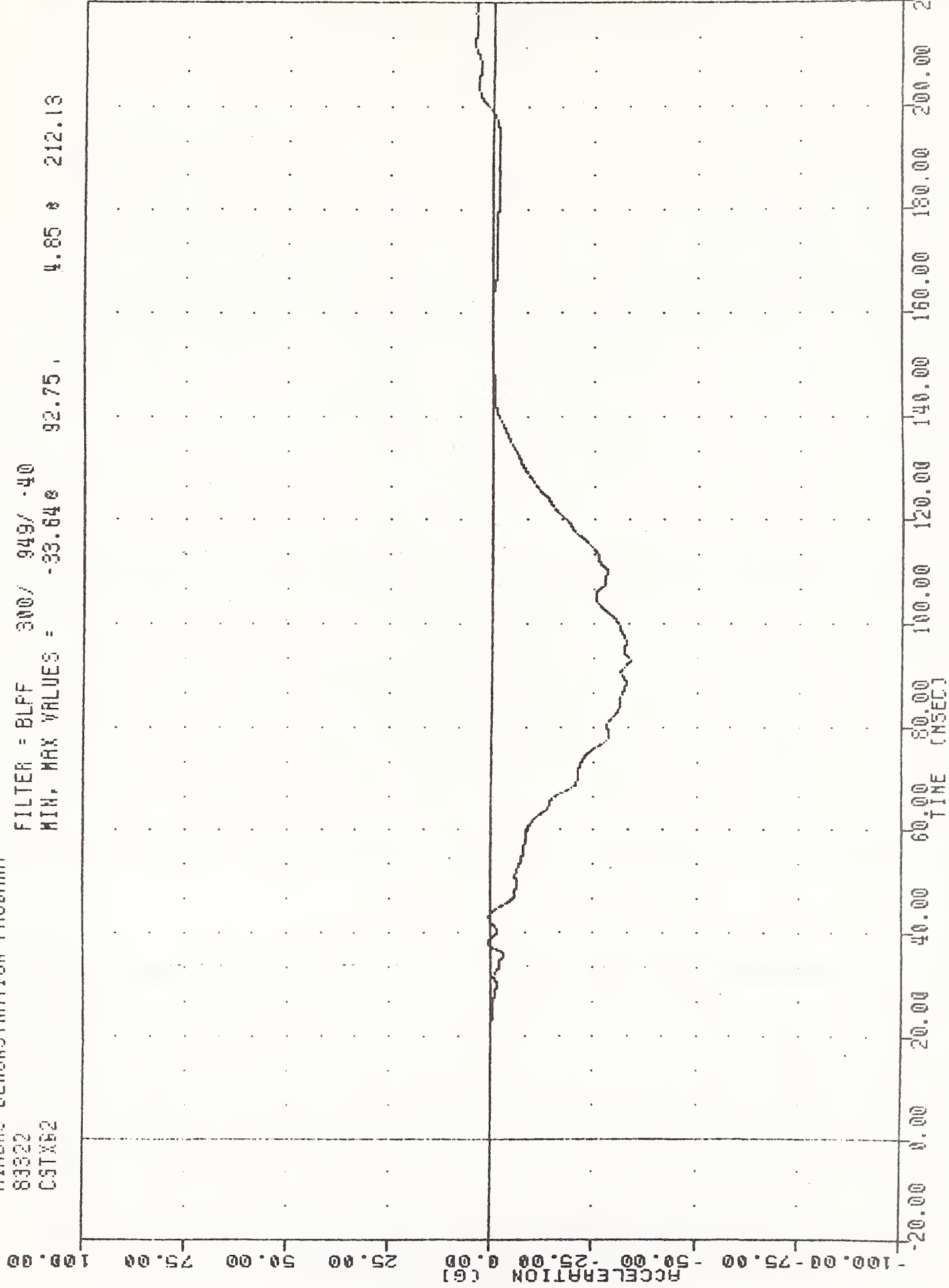
AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY Y BYTC DATA PERCENTAGE

WATC , RD589-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
CSTX62

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLFF 300/ 949/ .40

MIN. MAX VALUES = -33.646 92.75 4.85 212.13



AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS ORTH PERCENTIF

VP70 , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM

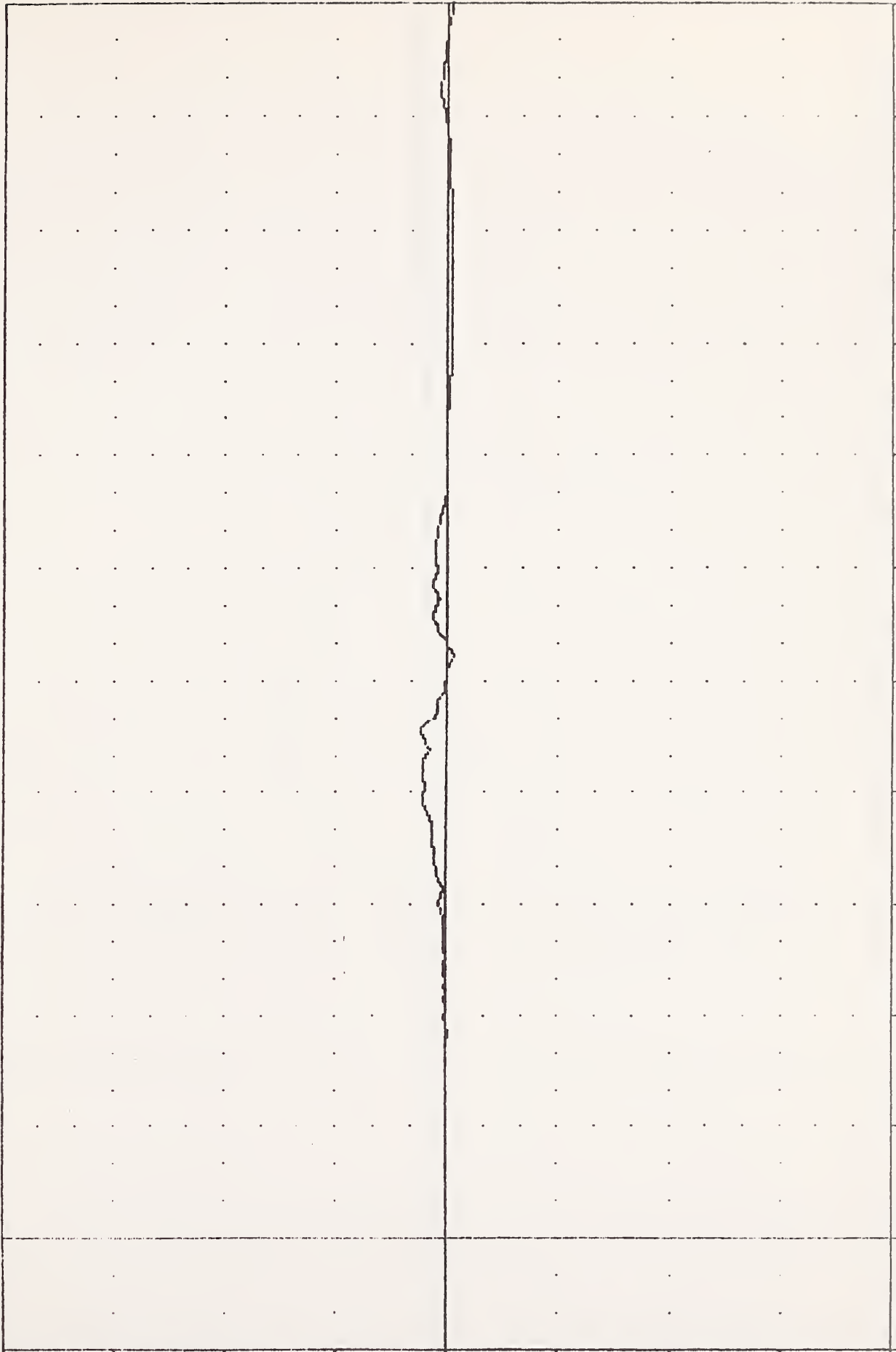
85322  
03TY62

PLOT DATE 18-NOV-68 14:32:48

FILTER = 8LFF 300/ 949/ -40

MIN. MAX VALUES = -1.44e 104.38 , 6.12 e 90.88

ACCELERATION (G)



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220

AIRBAG DEMONSTRATION PROGRAM

PAGE 1 ACCELERATION Y AXIS ORTH PERCENTIVE

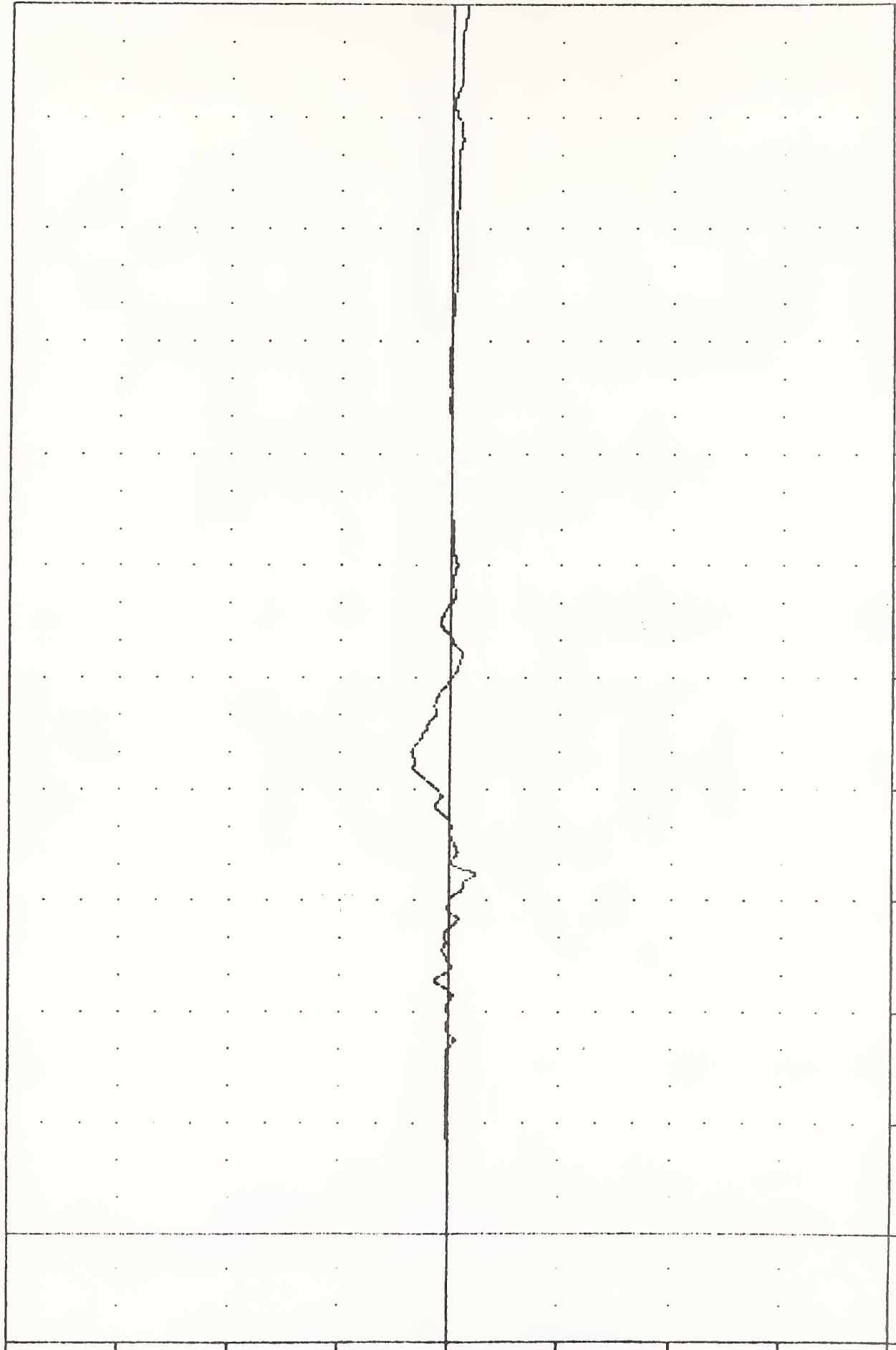
VRIC , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
CSTZ62

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -5.94e 64.63 , 8.88 e 86.50

ACCELERATION (G)



AIRBAG DEMONSTRATION PROGRAM

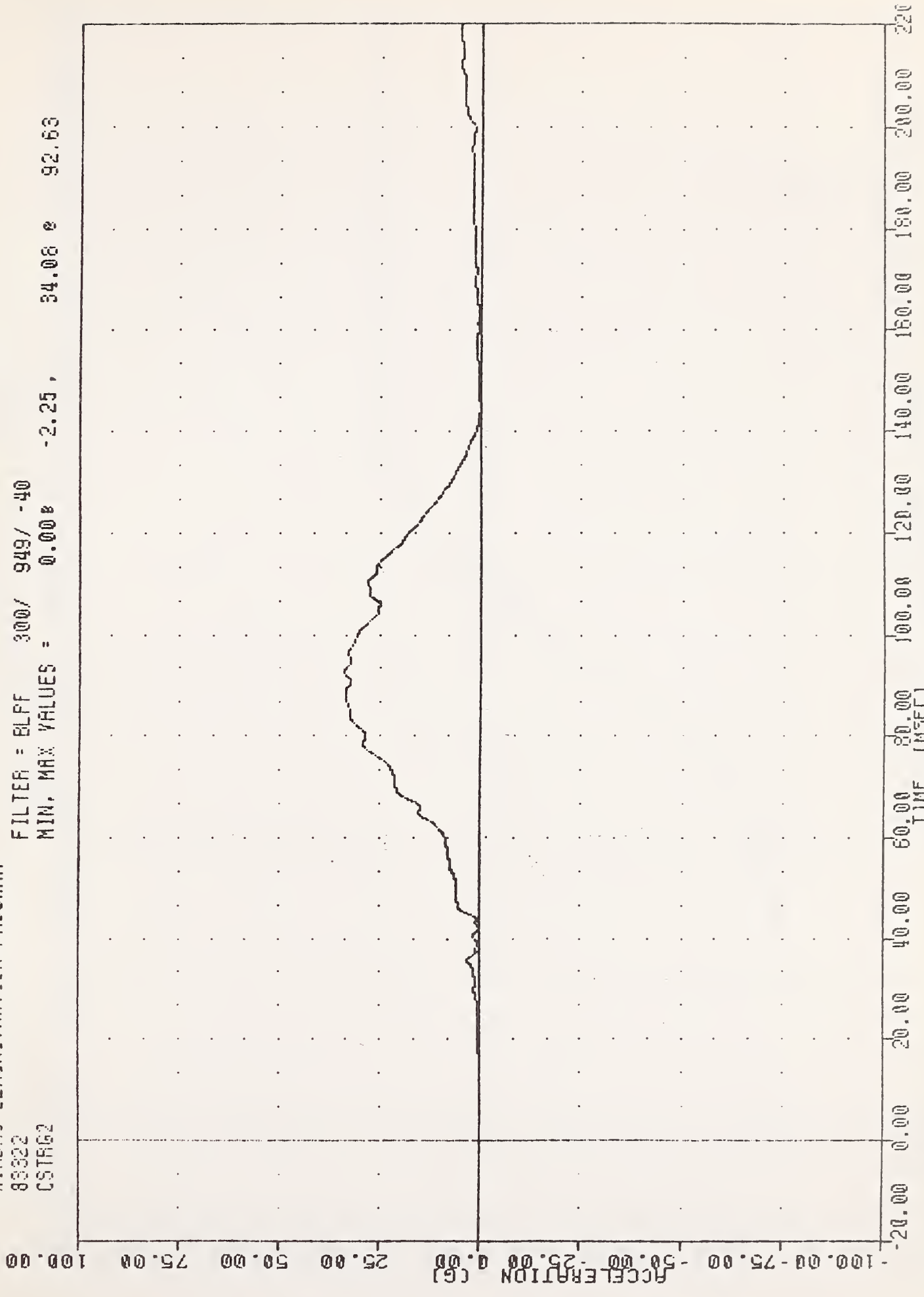
CHEST ACCELERATION 7 AXIS 95TH PERCENTILE

VRIC , R0583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
CSTRG2

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.00e -2.25, 34.08 e 92.63

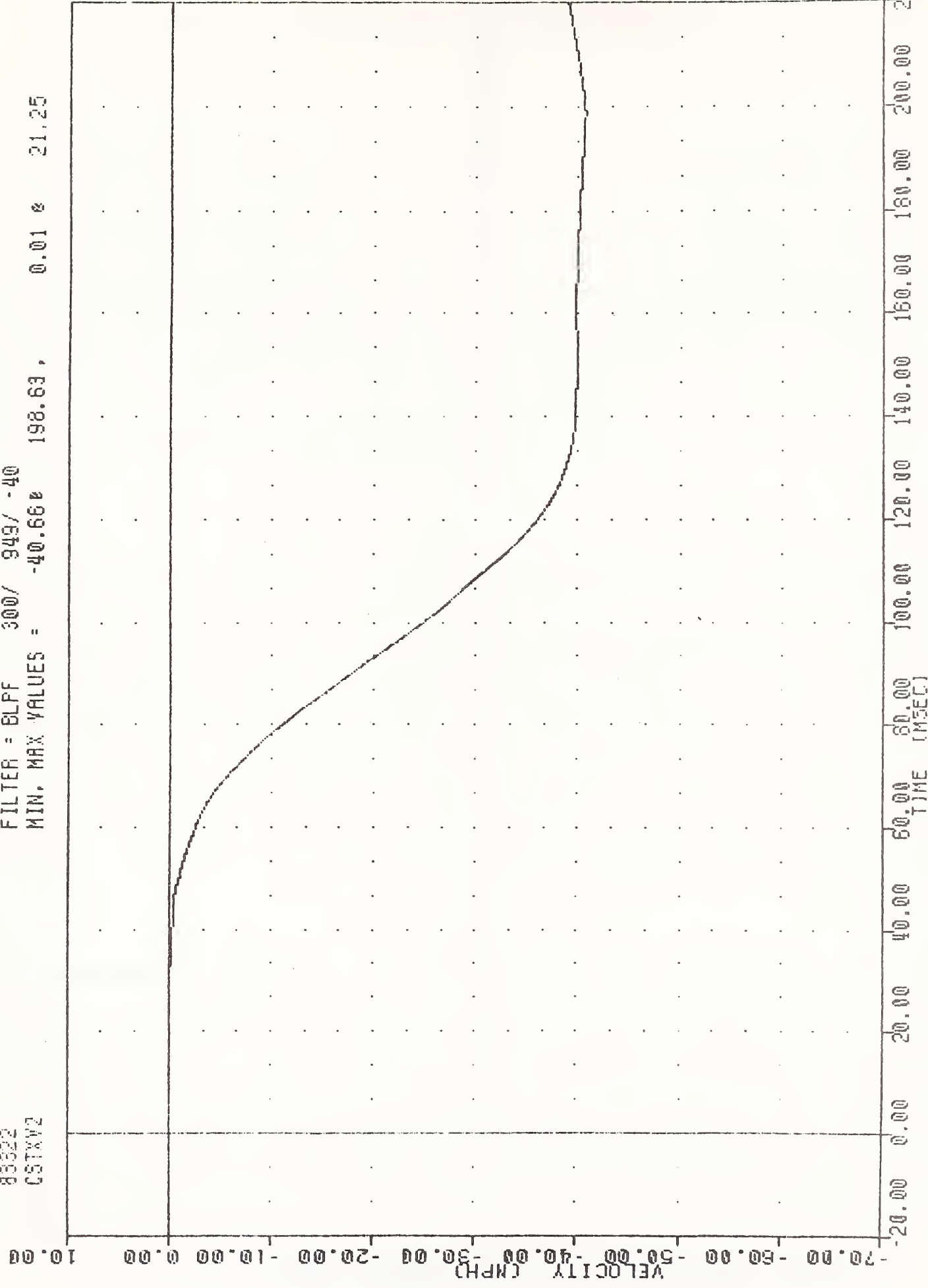


AIRBAG DEMONSTRATION PROGRAM  
FIRST RESISTANT ACCELERATION 95TH PERCENTILE

VRTC , R0583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
CSTXV2

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -40.66e 198.63, 0.01 e 21.25



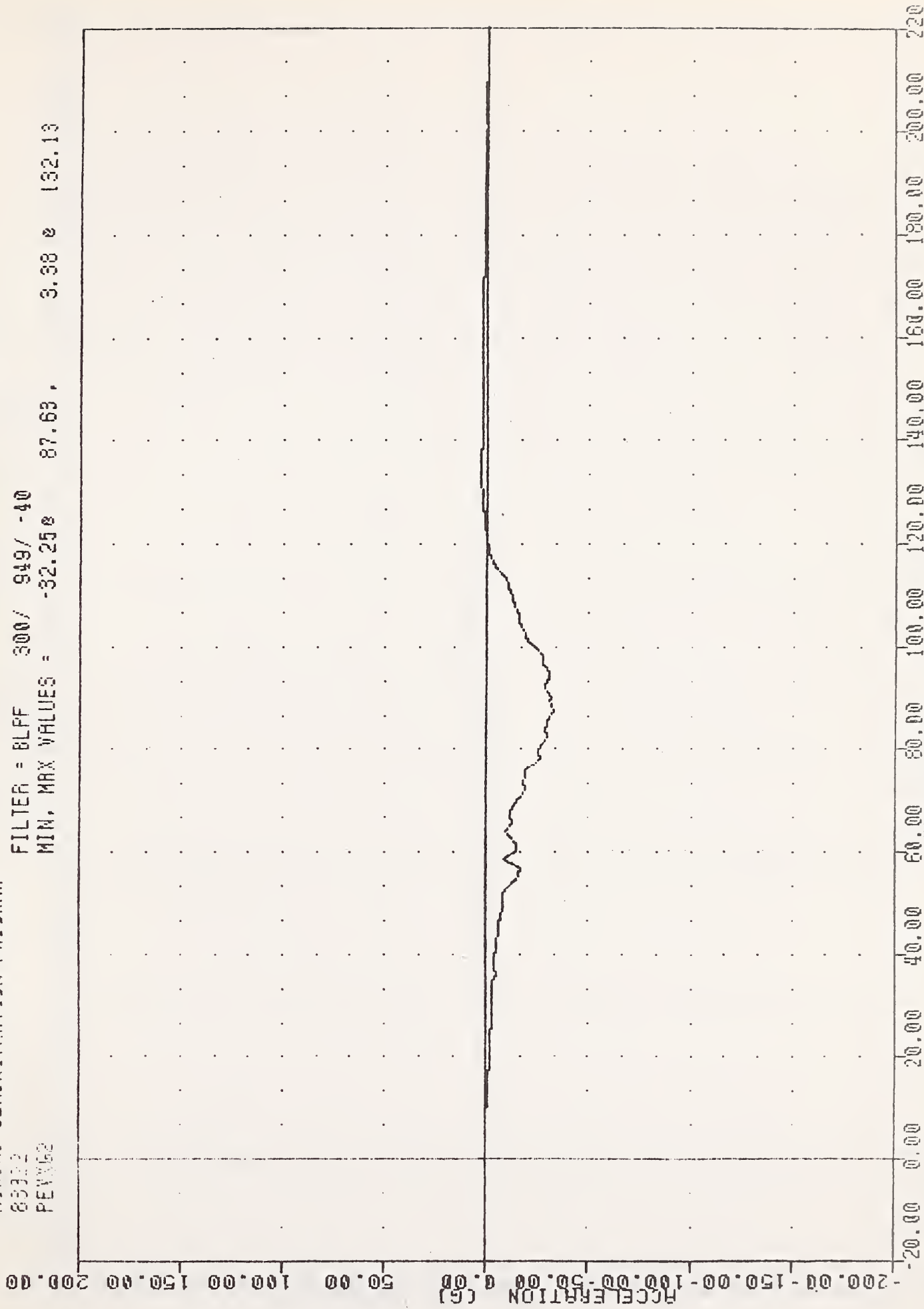
AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY VS AXIS ORTH PERCENTILE

VRT1 , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
PEV362

PLOT DATE 18-NOV-88 14:32:48

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -32.258 87.63, 3.38 e 132.13



AIRBAG DEMONSTRATION PROGRAM  
PFI VIS ACCELERATION Y AXIS 95TH PERCENTILE

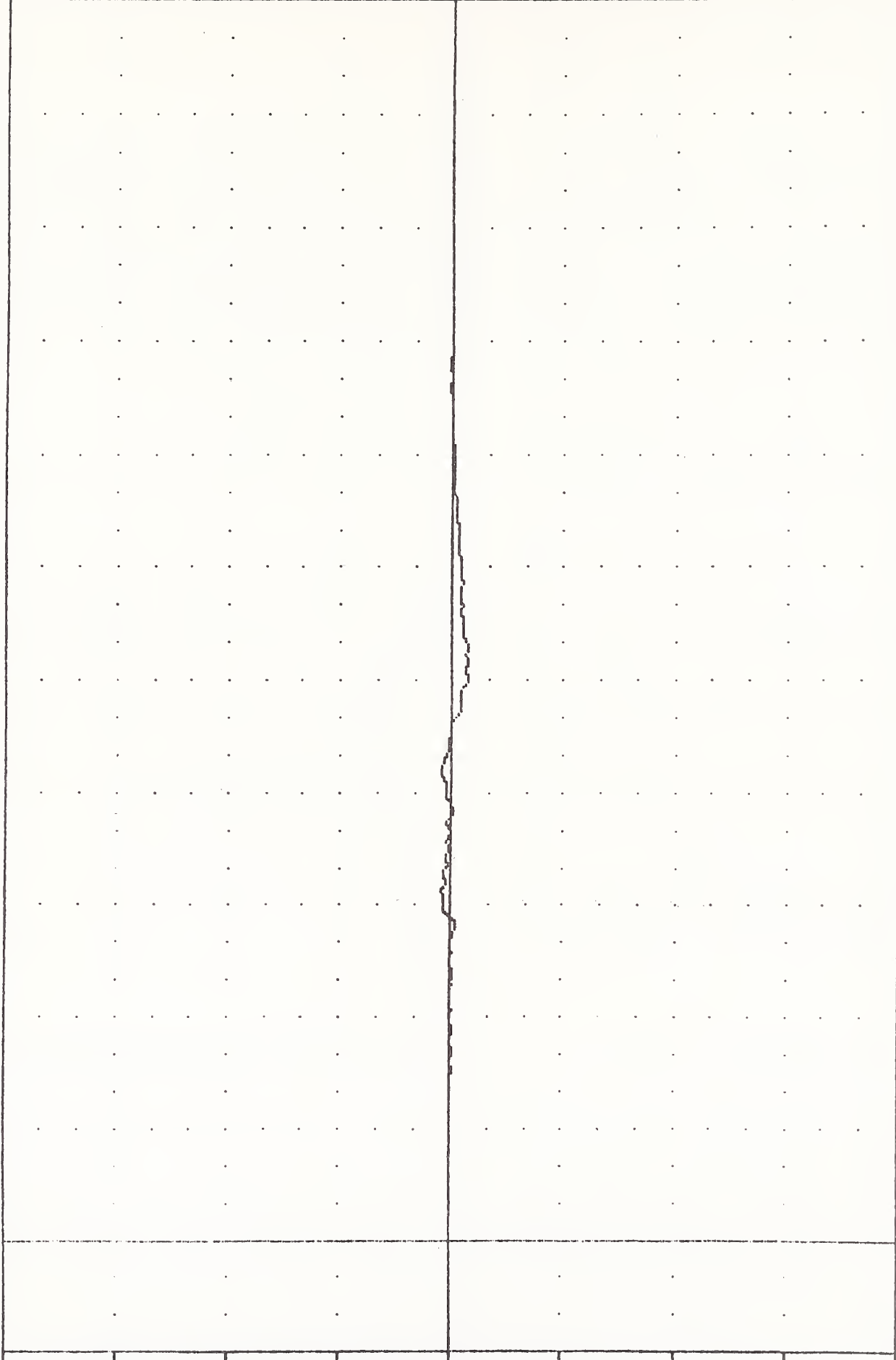


WRTC , RD583-2-25  
 AIRBAG DEMONSTRATION PROGRAM  
 83522  
 PEVY82

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 300/ 949/ -40  
 MIN. MAX VALUES = -7.47 100.25 , 4.75 83.75

ACCELERATION (G)



TIME (MSEC)

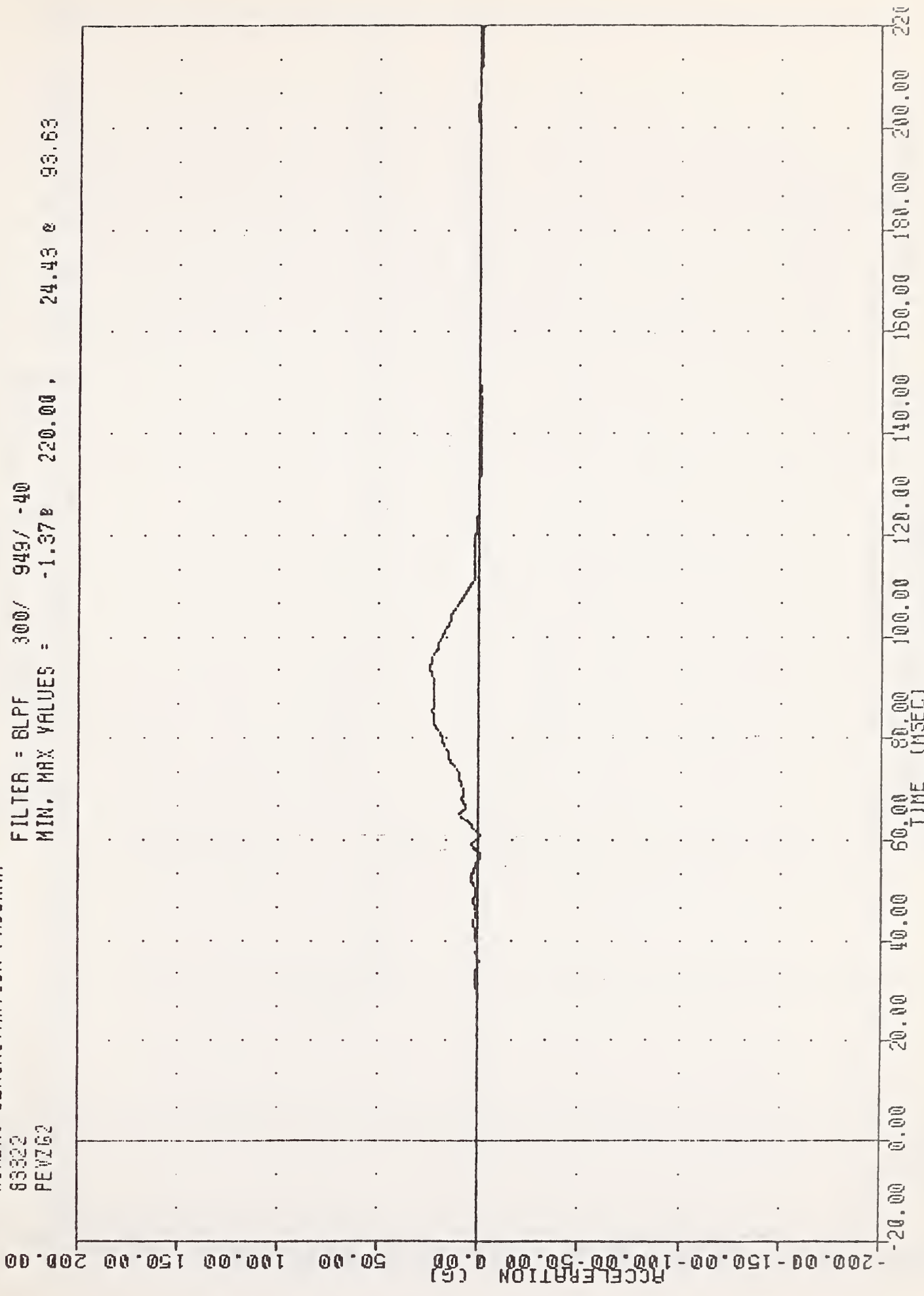
-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
 PFI VTS ACCELERATION Y AXIS 95TH PERCENTILE

VRTC , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
PEVZ62

PLOT DATE 18-NOV-83 14:32:48

FILTER = 6LPF 300/ 949/ -40  
MIN, MAX VALUES = -1.37g 220.00, 24.43 g 93.63



AIRBAG DEMONSTRATION PROGRAM  
PFI VTS ACCELERATION Z AXIS 95TH PERCENTILE

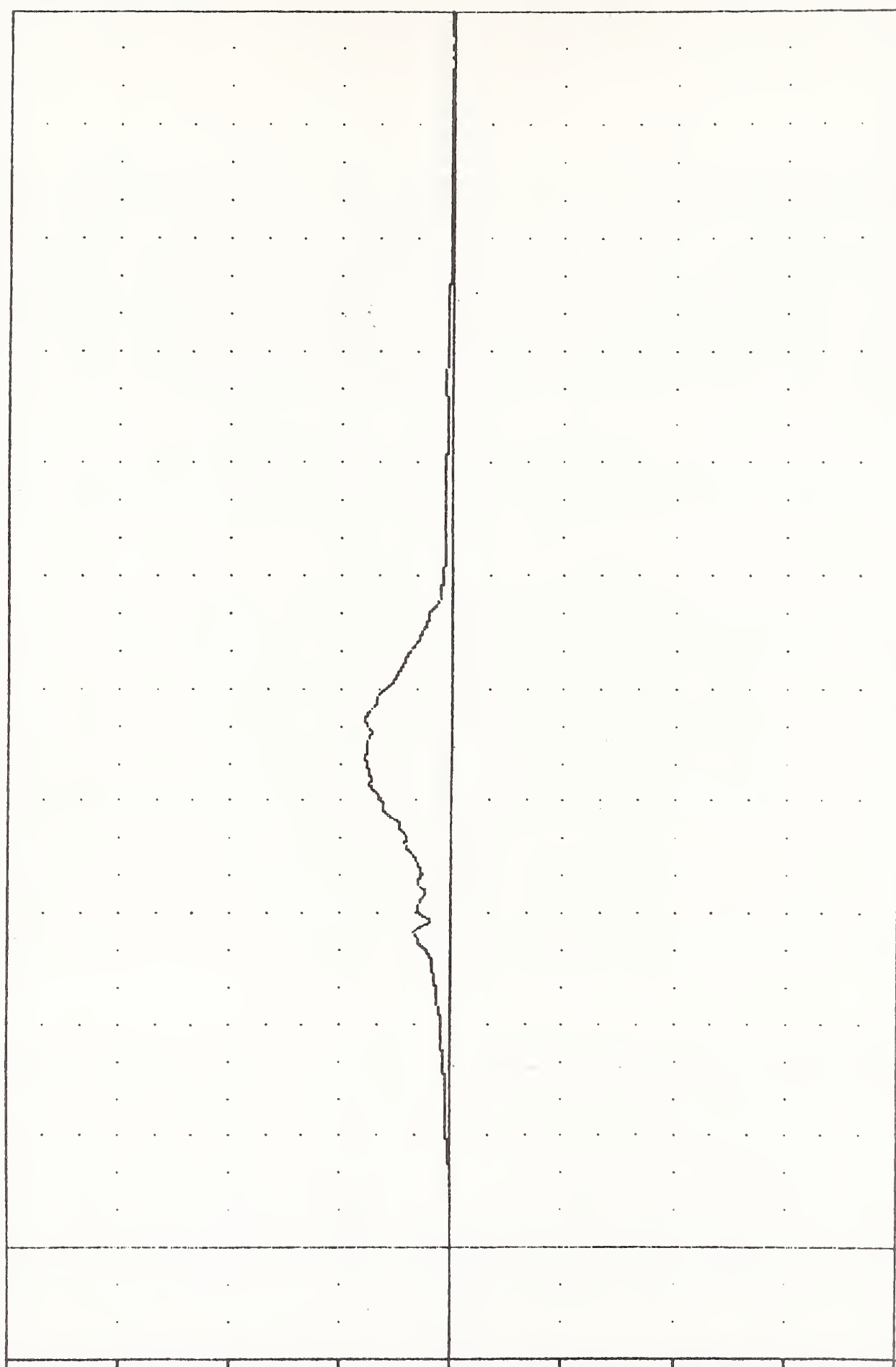
VRTC , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83522  
FEV862

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 300/ 949/ -40

MIN. MAX VALUES = 0.01e -6.13, 39.34 e 94.25

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

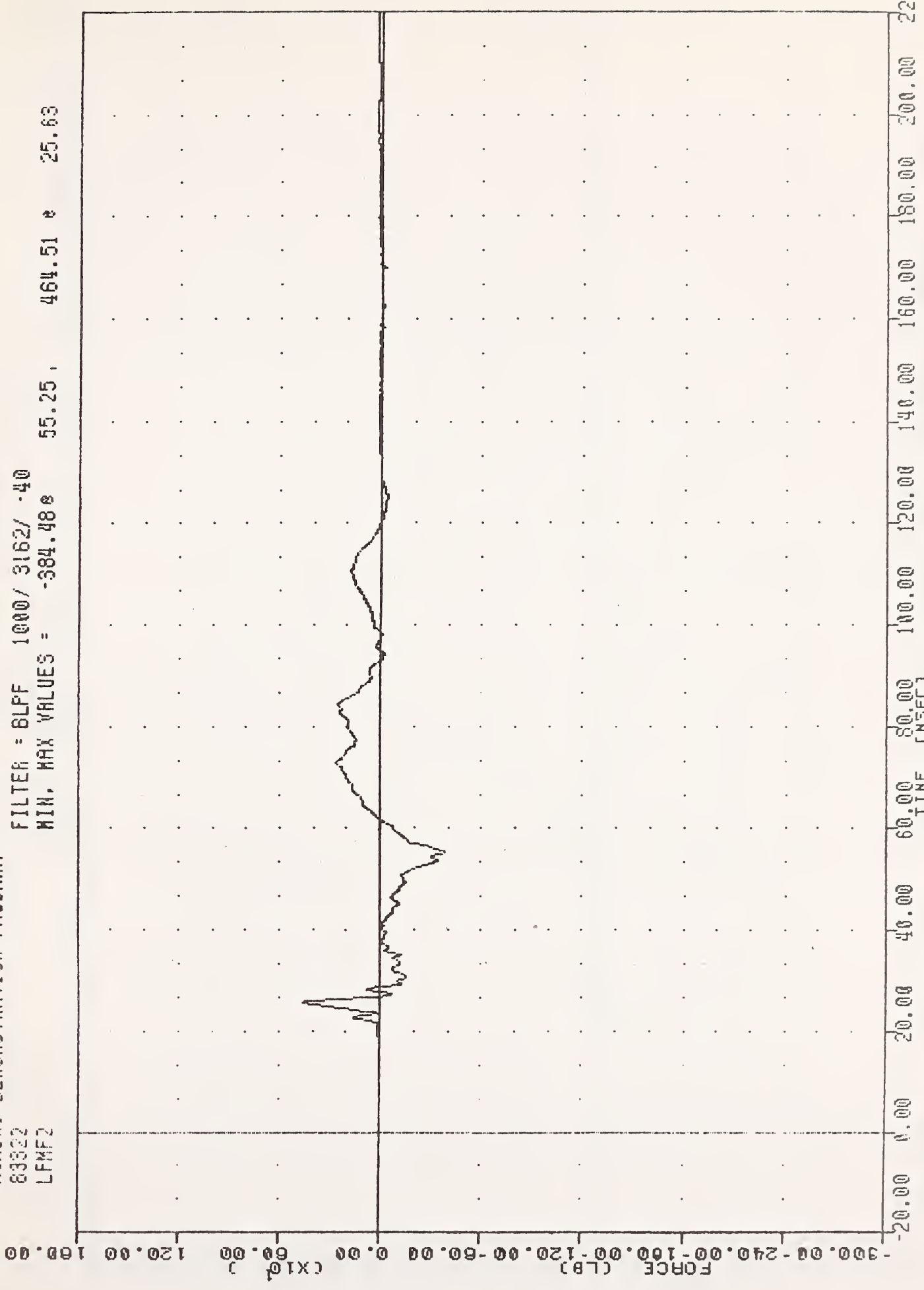
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
PERMITTS RESONANT ACCELERATION 95TH PERCENTILE

WATE , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
LFMF2

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 1000/ 3162/ -40  
MIN, MAX VALUES = -384.48 55.25 , 464.51 25.63



AIRBAG DEMONSTRATION PROGRAM

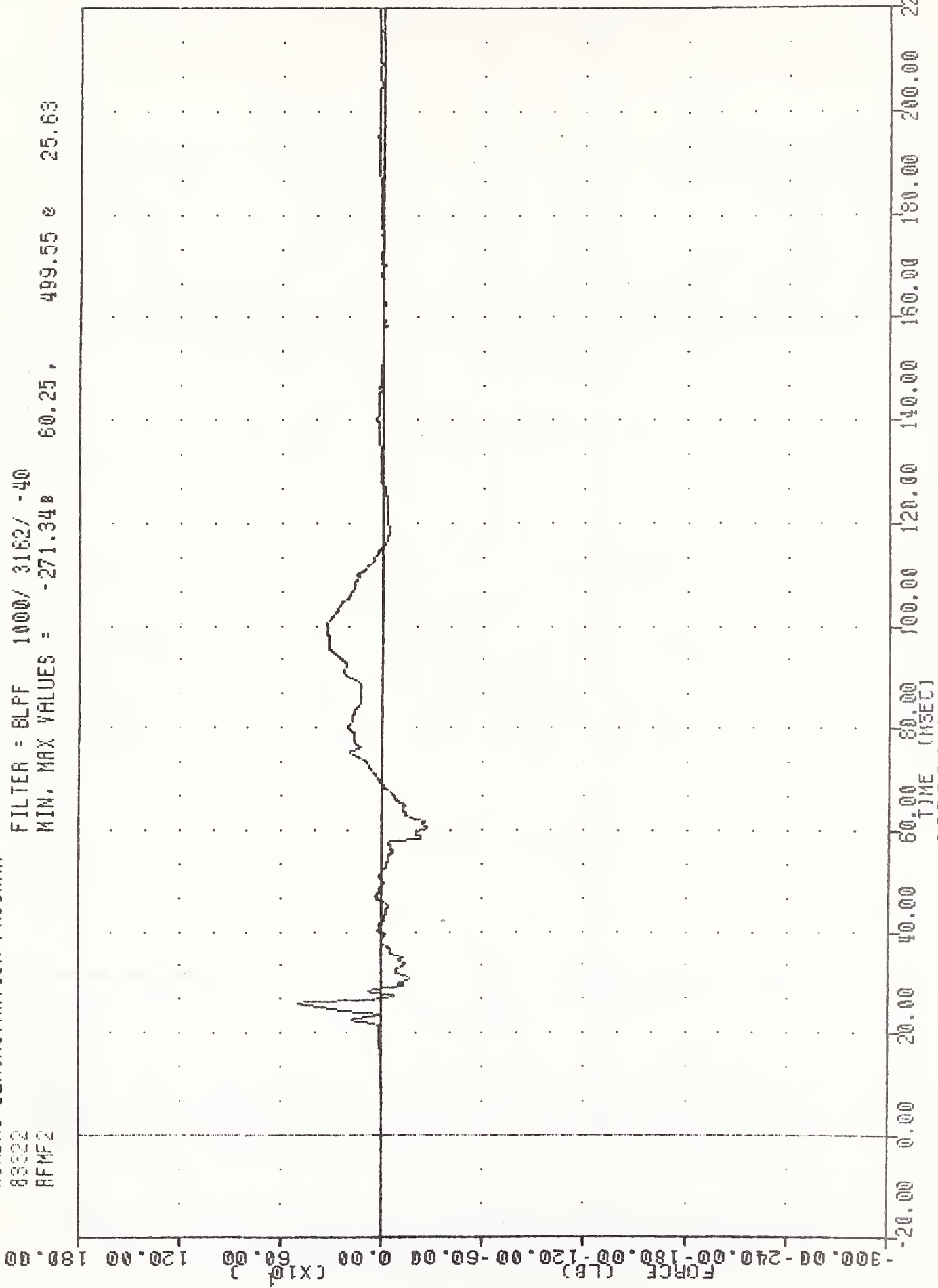
LEFT FRONT FORCE IN IDC NETU DECENTRIC

VRTC , R0583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83822  
RFMF2

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLFF 1000/ 3162/ -40

MIN, MAX VALUES = -271.34 60.25 , 499.55 e 25.63

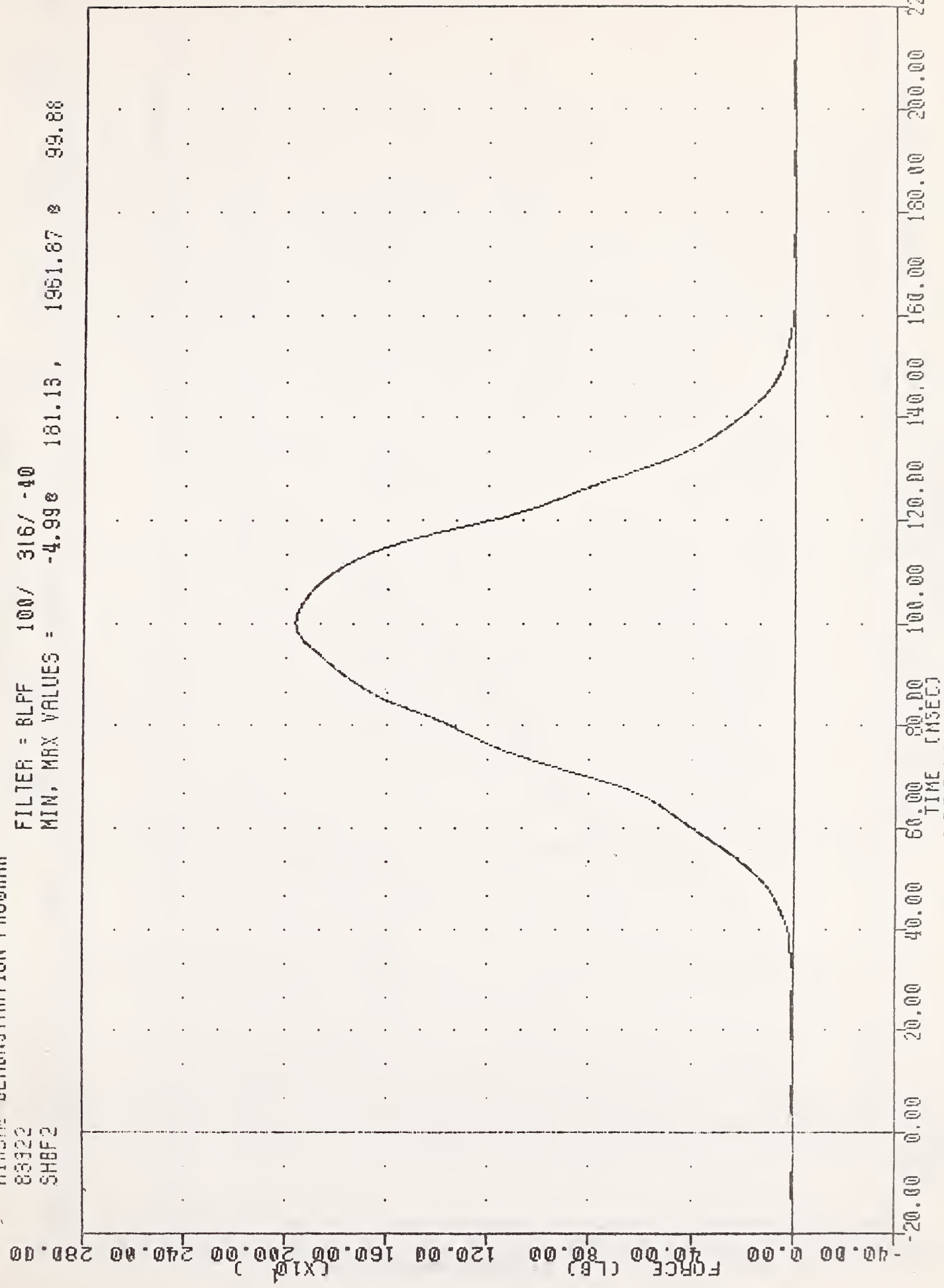


AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN LBS 95TH PERCENTILE

WRTC , R0563-2-25  
 AIRBAG DEMONSTRATION PROGRAM  
 83322  
 SHBF2

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 100/ 316/ -40  
 MIN, MAX VALUES = -4.99e 181.13 , 1951.87 e 99.88



AIRBAG DEMONSTRATION PROGRAM  
 SHOULDER BELT FORCE 95TH PERCENTILE

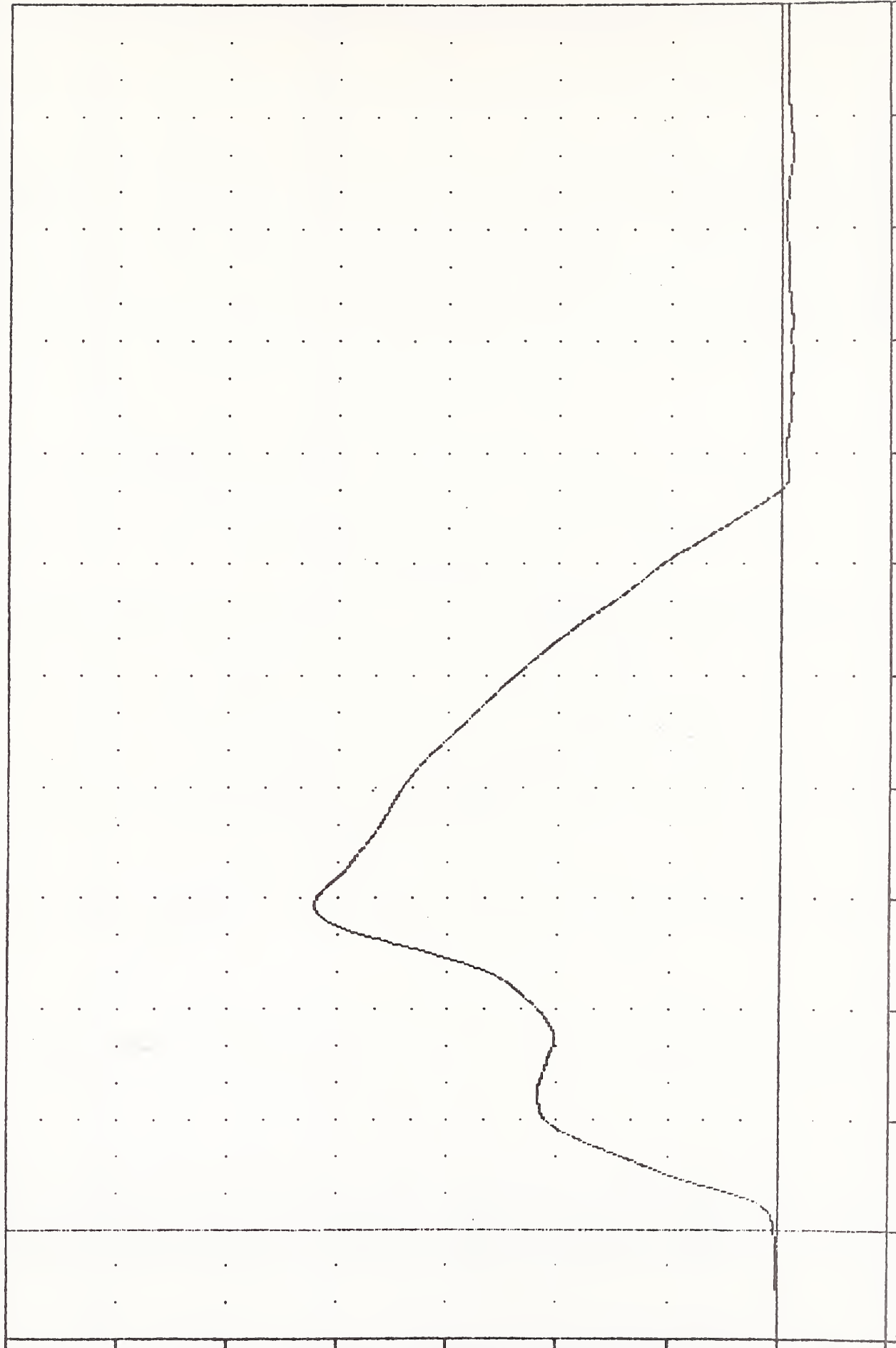


VATC , R0583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
SLOX6C

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 100/ 316/ .40  
MIN. MAX VALUES = -0.58e 193.88 , 21.06 e 58.63

ACCELERATION (G)



-5.00  
0.00  
5.00  
10.00  
15.00  
20.00  
25.00  
30.00  
35.00

TIME (MSEC)

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

AIRBAG DEMONSTRATION PROGRAM  
SLOX6C ACCELERATION



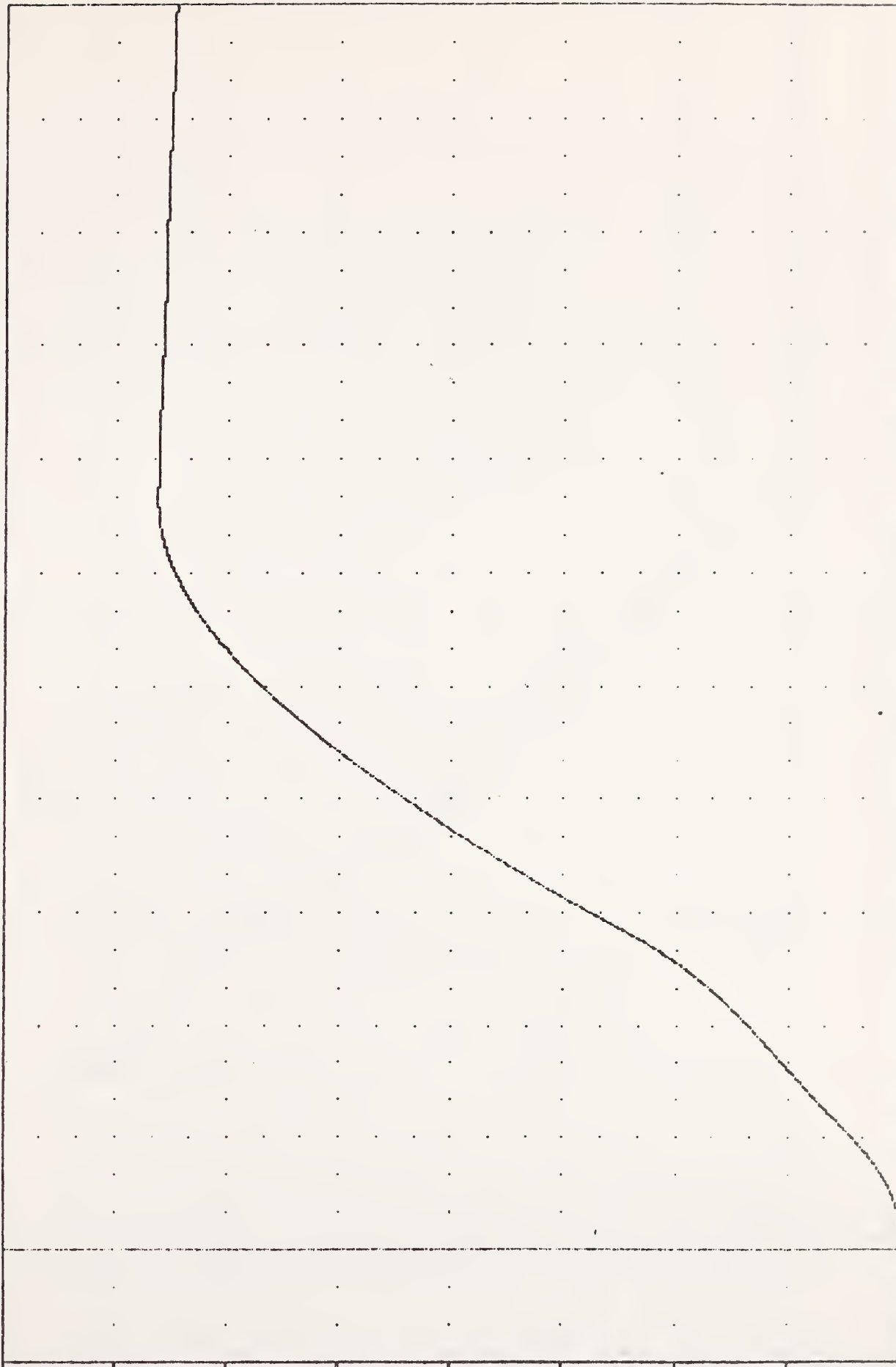
VPIC , R0583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
82322  
SLDXVC

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -0.018 -12.00, 39.13 & 133.13

40.00  
35.00  
30.00  
25.00  
20.00  
15.00  
10.00  
5.00  
0.00



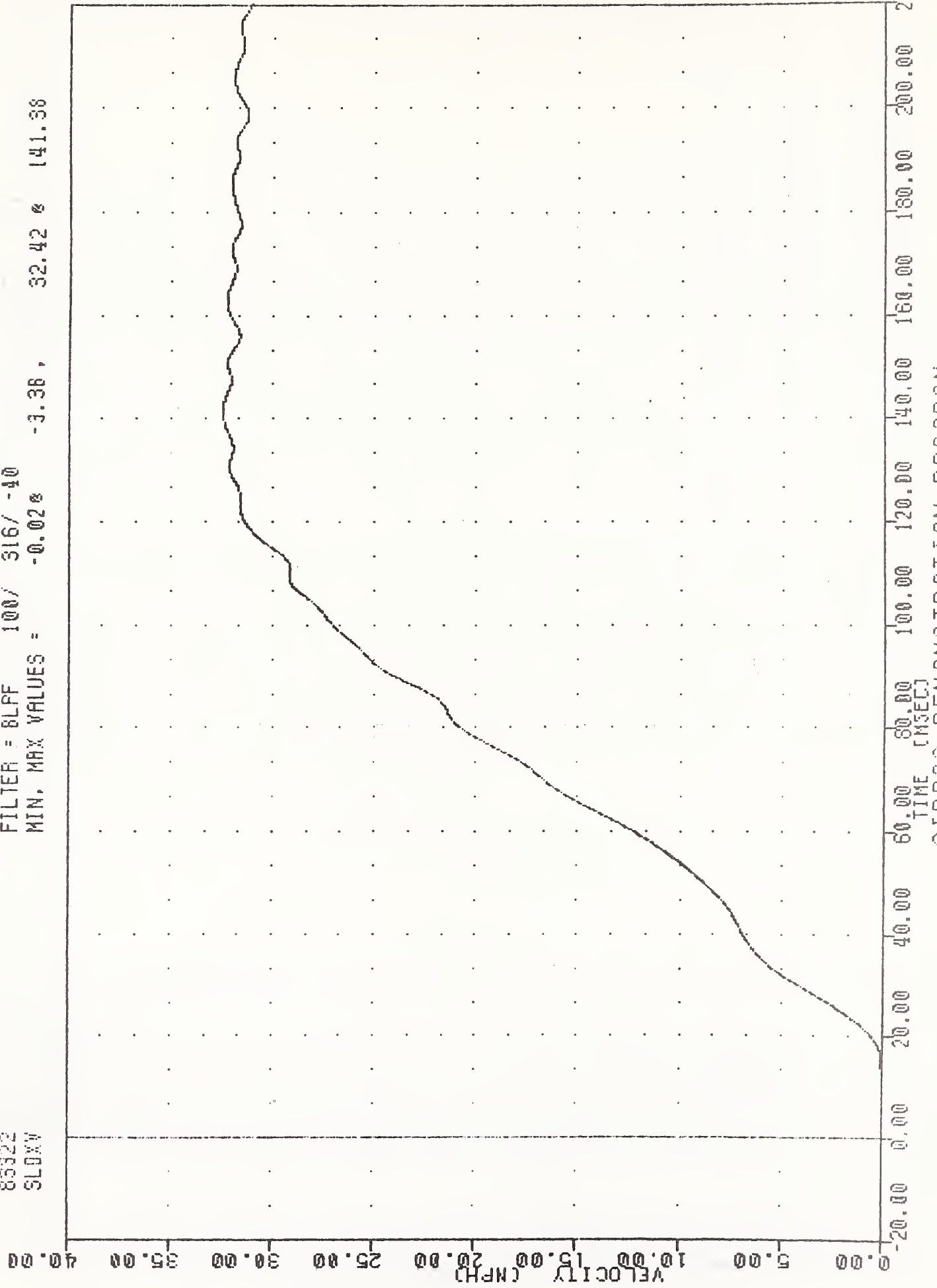
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SIDE VELOCITY

VRTC , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
SLOXY

PLOT DATE 18-NOV-83 14:32:48

FILTER = 8LFF 100/ 316/ -40  
MIN, MAX VALUES = -0.028 32.42 141.38



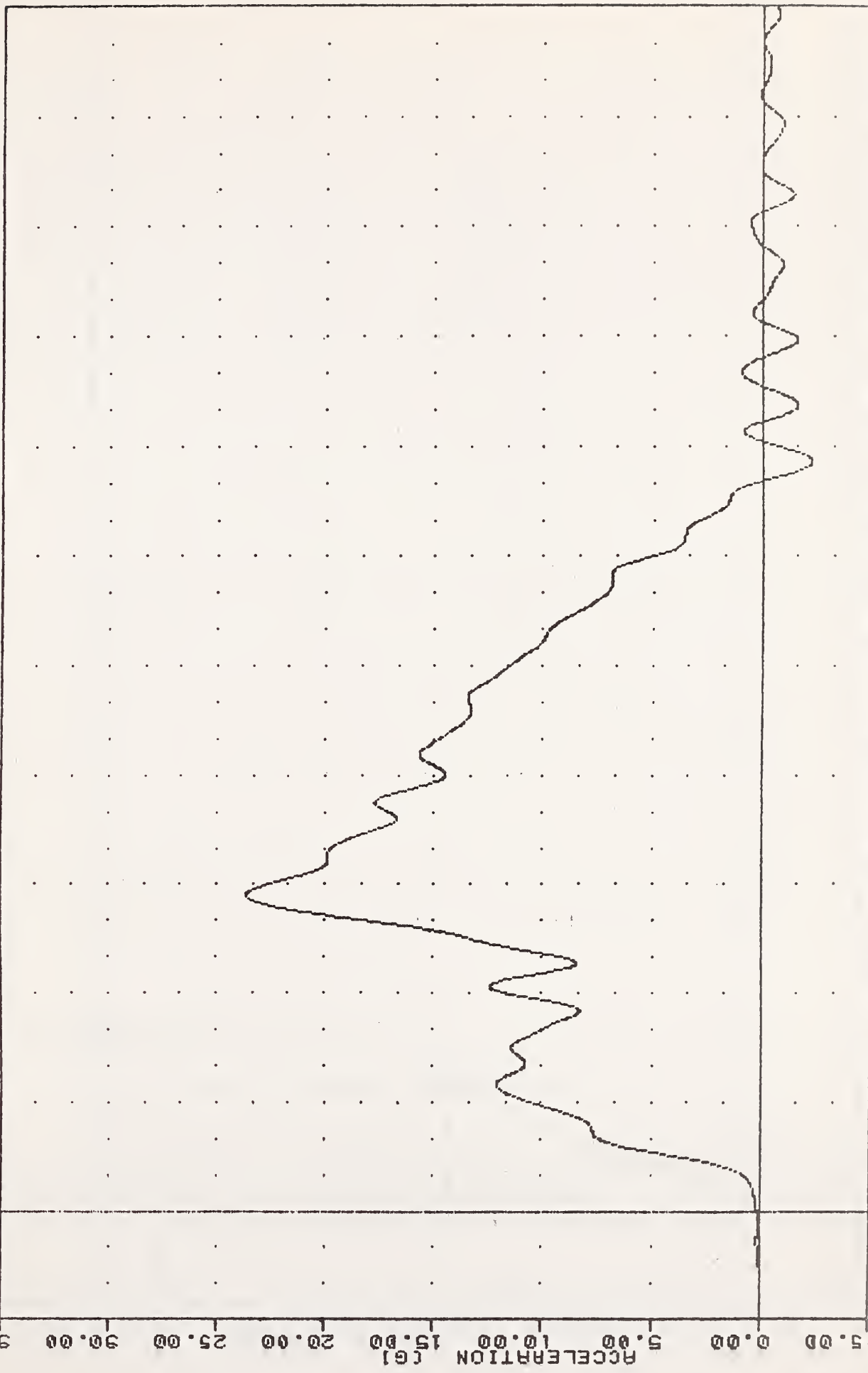
AIRBAG DEMONSTRATION PROGRAM  
SIFD WFINCITY

VATC , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
FTUX6

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 100/ 316/ -40  
MIN. MAX VALUES = -2.31e 137.00 , 23.60 e 57.75

95.00



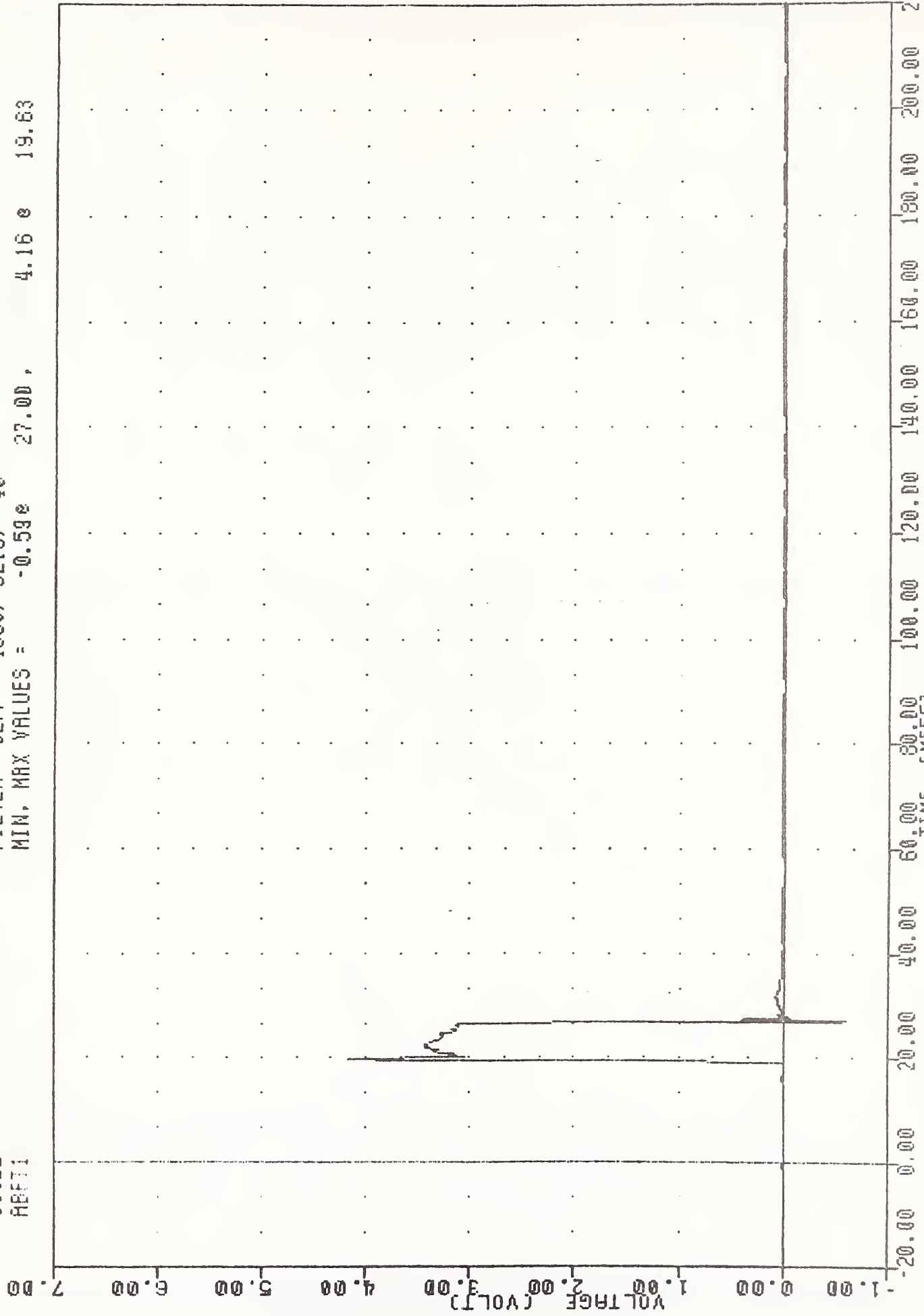
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
FLOOR PAN TUNNFI ACCFIFRATION

VATE , RD583-2-25  
AIRBAG DEMONSTRATION PROGRAM  
83322  
ABFT1

PLOT DATE 18-NOV-83 14:32:48

FILTER = 6LPF 1650/ 5218/ -40  
MIN, MAX VALUES = -0.59e 27.00, 4.16 e 19.63



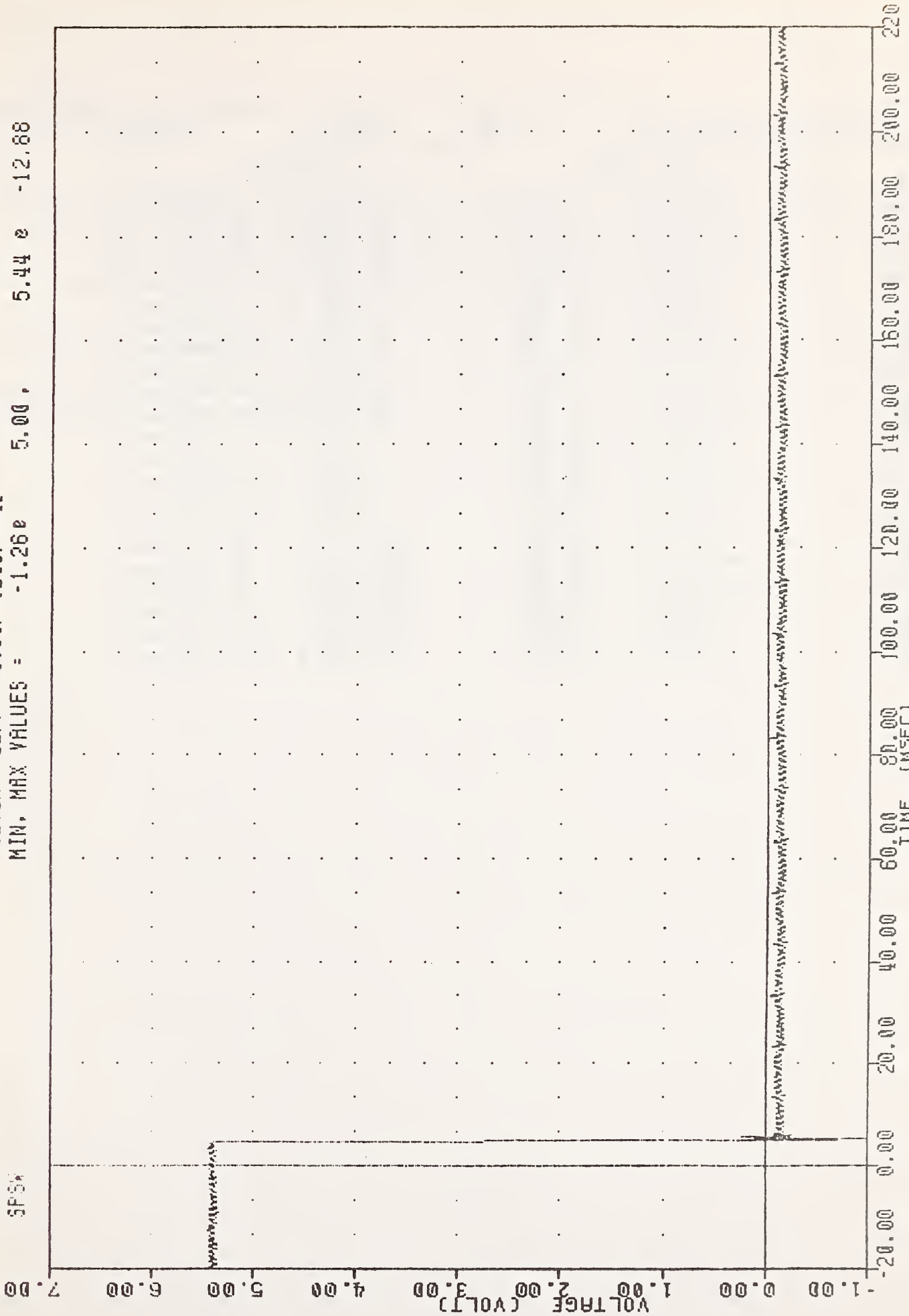
AIRBAG DEMONSTRATION PROGRAM  
AIR BAG FIRING EVENT 95TH PERCENTILE

VRTC , R0583-2-25  
AIRBAG DEMONSTRATION PROGRAM

PLOT DATE 18-NOV-83 14:32:48

FILTER = BLPF 1650/ 5218/ -40  
MIN. MAX VALUES = -1.26e 5.00e -12.68

83822  
5P5%



AIRBAG DEMONSTRATION PROGRAM  
SLFD POSITION SWITCH

		Min value		Max value			Uni
1	SPSW	-1.124	@ 5.125	5.441	@ -13.250	msec	volt
2	SLDXGC	-0.707	@ 135.250	20.871	@ 58.875	msec	g
3	SLDXVC	-0.012	@ -11.625	32.982	@ 131.625	msec	mph
4	SLDXV	-0.037	@ -4.375	32.165	@ 141.125	msec	mph
5	FTUXG	-2.856	@ 135.875	23.123	@ 59.000	msec	g
6	ABFT1	-0.832	@ 27.125	4.226	@ 19.750	msec	volt
7	HEDXG2	-94.487	@ 115.750	26.685	@ 214.000	msec	g
8	HEDXV2	-46.938	@ 175.750	1.520	@ 89.000	msec	mph
9	HEDYG2	-14.172	@ 117.875	7.757	@ 125.875	msec	g
0	HEDZG2	-51.831	@ 118.500	3.263	@ 85.750	msec	g
1	CSTXG2	-52.783	@ 111.500	38.566	@ 214.625	msec	g
2	CSTXV2	-44.432	@ 140.750	0.037	@ 23.750	msec	mph
3	CSTYG2	-2.977	@ 230.000	6.197	@ 118.625	msec	g
4	CSTZG2	-45.483	@ 118.875	6.250	@ 85.500	msec	g
5	PEVXG2	-44.686	@ 86.750	4.459	@ 280.250	msec	g
6	PEVYG2	-5.548	@ 93.625	3.550	@ 56.875	msec	g
7	PEVZG2	-8.171	@ 121.000	28.441	@ 88.875	msec	g
8	LFMF2	-495.935	@ 53.500	589.175	@ 25.875	msec	lb
9	RFMF2	-268.401	@ 54.750	623.556	@ 25.875	msec	lb
0	HEDRG2	0.026	@ -24.375	104.597	@ 116.375	msec	g
1	CSTRG2	0.006	@ -3.500	68.345	@ 118.750	msec	g
2	PEVRG2	0.002	@ -20.750	51.548	@ 87.125	msec	g



\*\*\* HIC computation for TRC238I 22-NOV-83 08:25:21

HEDRG2           VRTC           RD583-2-26 83325           AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec   Peak accel = 104.60 @ 116.375

HIC = 1041.30       Interval from 97.250 [ 979] to 124.750 [1199]

HIC = 902.99       Interval from 106.375 [1052] to 121.375 [1172]

Elapsed time = 10.37 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

\$



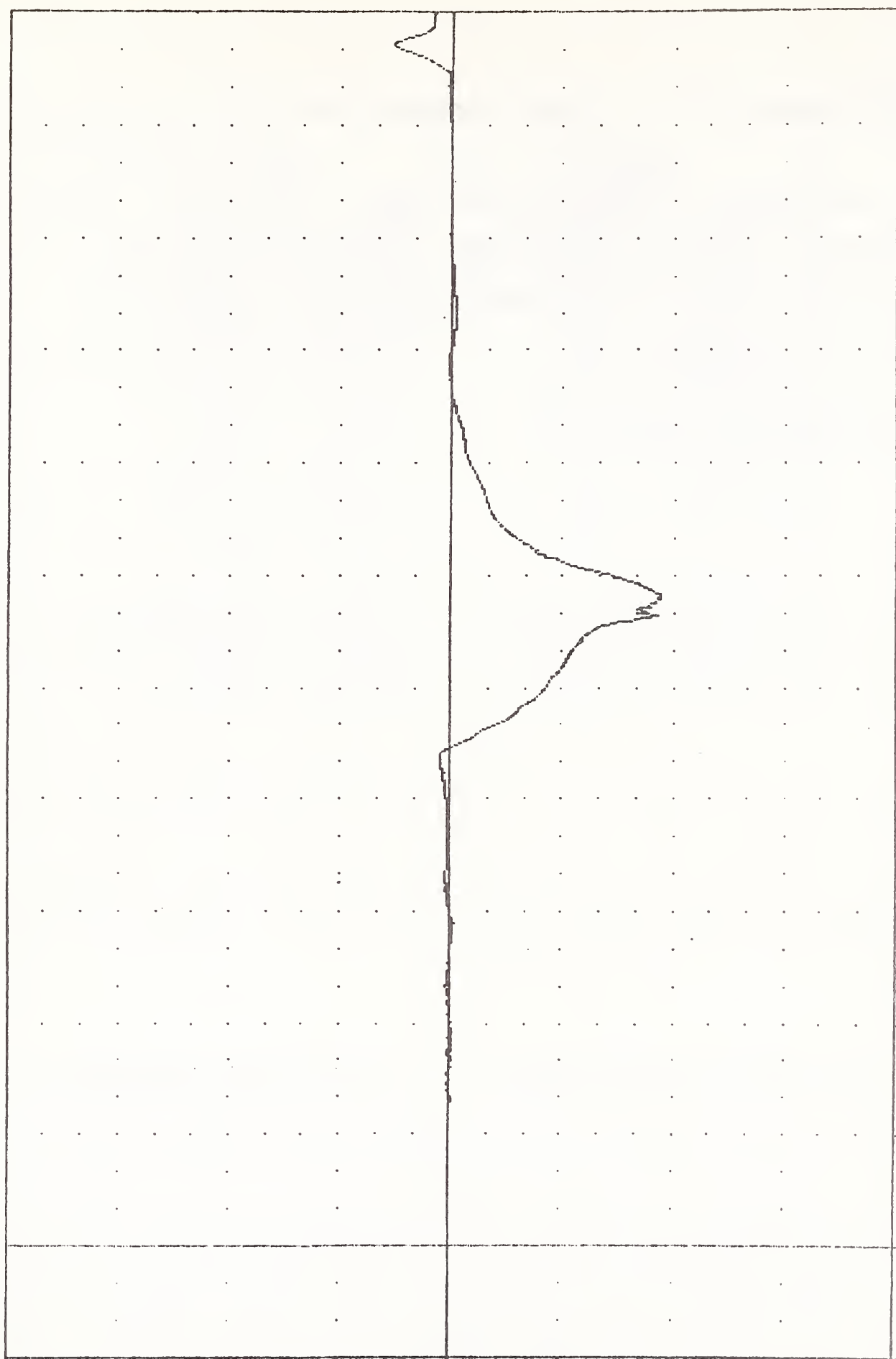
VRTC R0583-2-26 PLOT DATE 22-NOV-83 08:17:15

AIRBAG DEMONSTRATION PROGRAM

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -94.498 115.75, 26.69 @ 214.00

83325  
HEADX62

ACCELERATION (G)



TIME (MSEC)

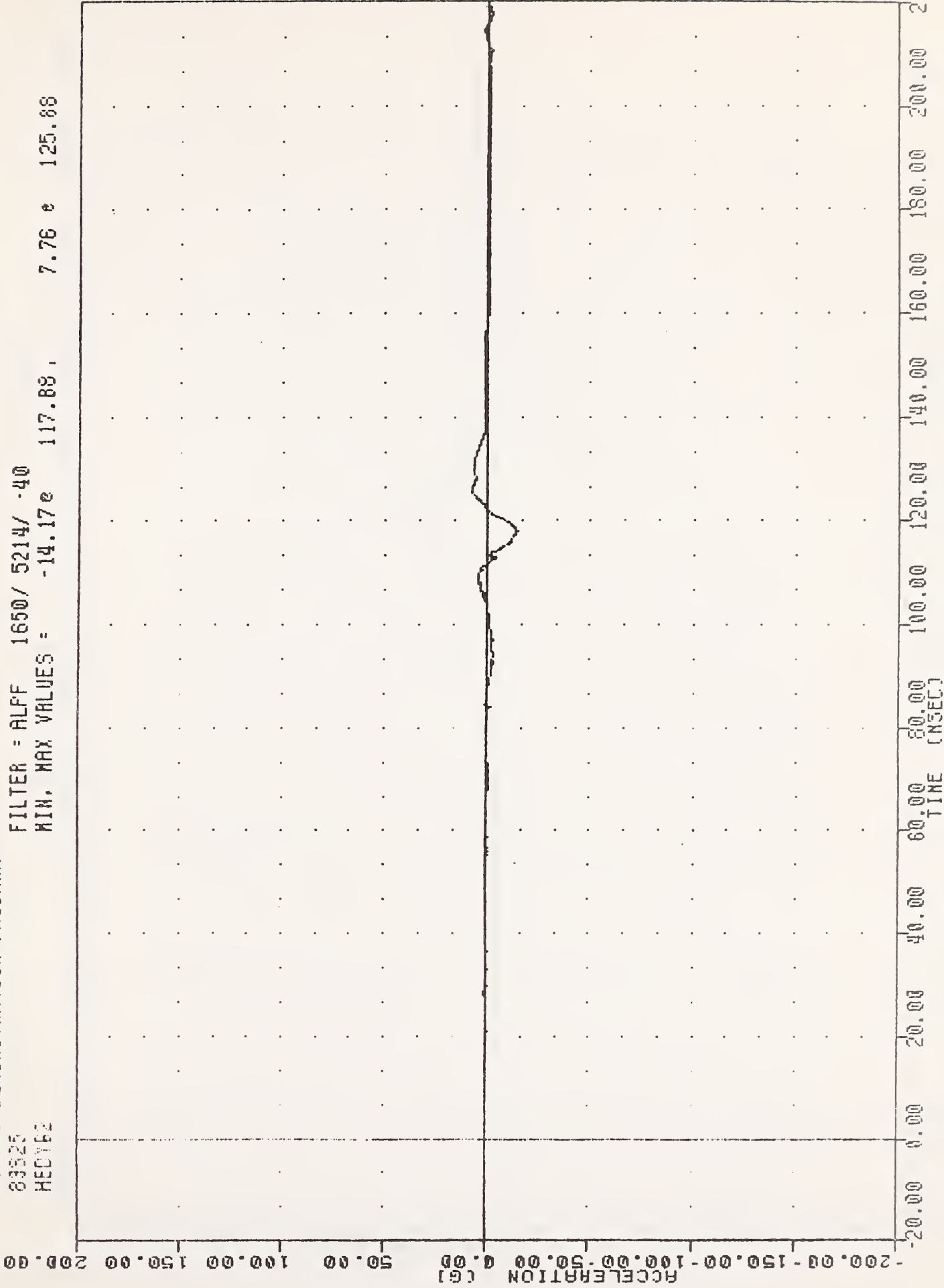
AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION X AXIS 95TH PERCENTILE

DATE , R0583-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
HEAD162

PLOT DATE 22-NOV-83 08:17:15

FILTER = ALFF 1650/ 5214/ -40  
MIN, MAX VALUES = -14.17e 117.88, 7.76 e 125.88

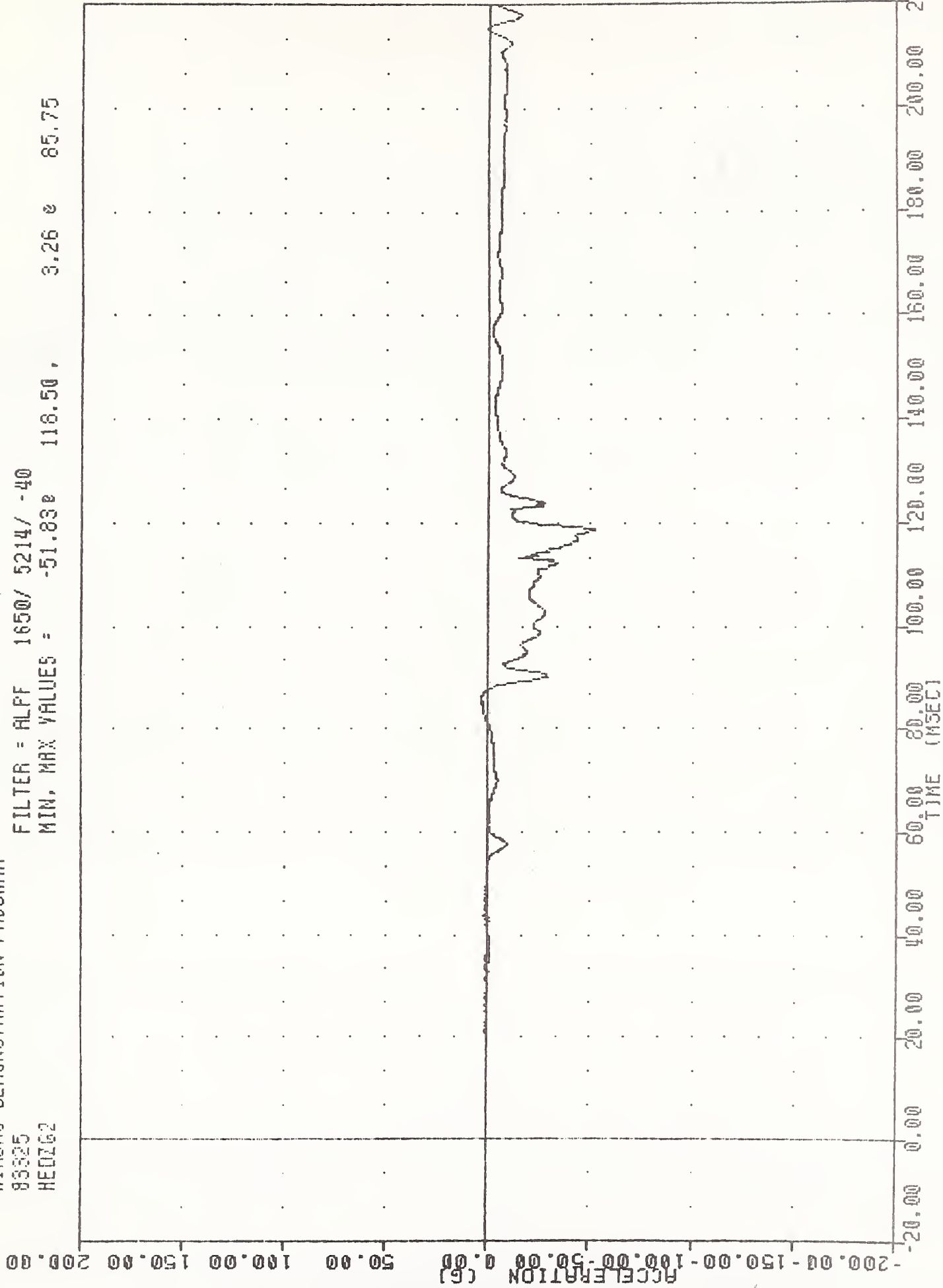


AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Y AXIS 95TH PERCENTILE

VRTC , RD583-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
HEAD262

PLOT DATE 22-NOV-83 08:17:15

FILTER = ALFF 1650/ 5214/ -40  
MIN, MAX VALUES = -51.83e 116.50, 3.26 e 85.75

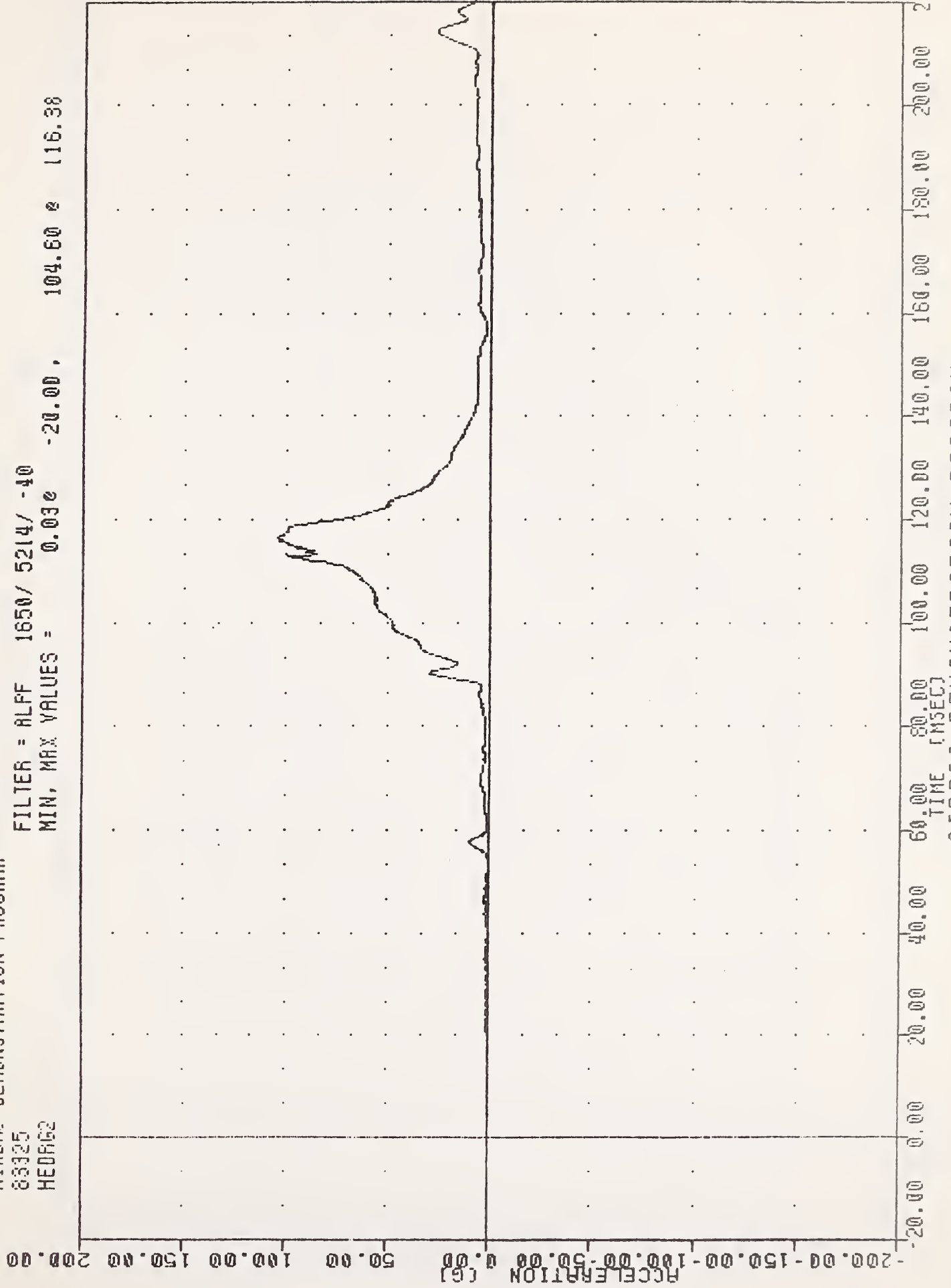


AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Z AXIS 95TH PERCENTILE

WRTC , RD583-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
HEAD62

PLOT DATE 22-NOV-83 08:17:15

FILTER = ALFF 1650/ 5214/ -40  
MIN, MAX VALUES = 0.03e -20.00, 104.60 e 116.38

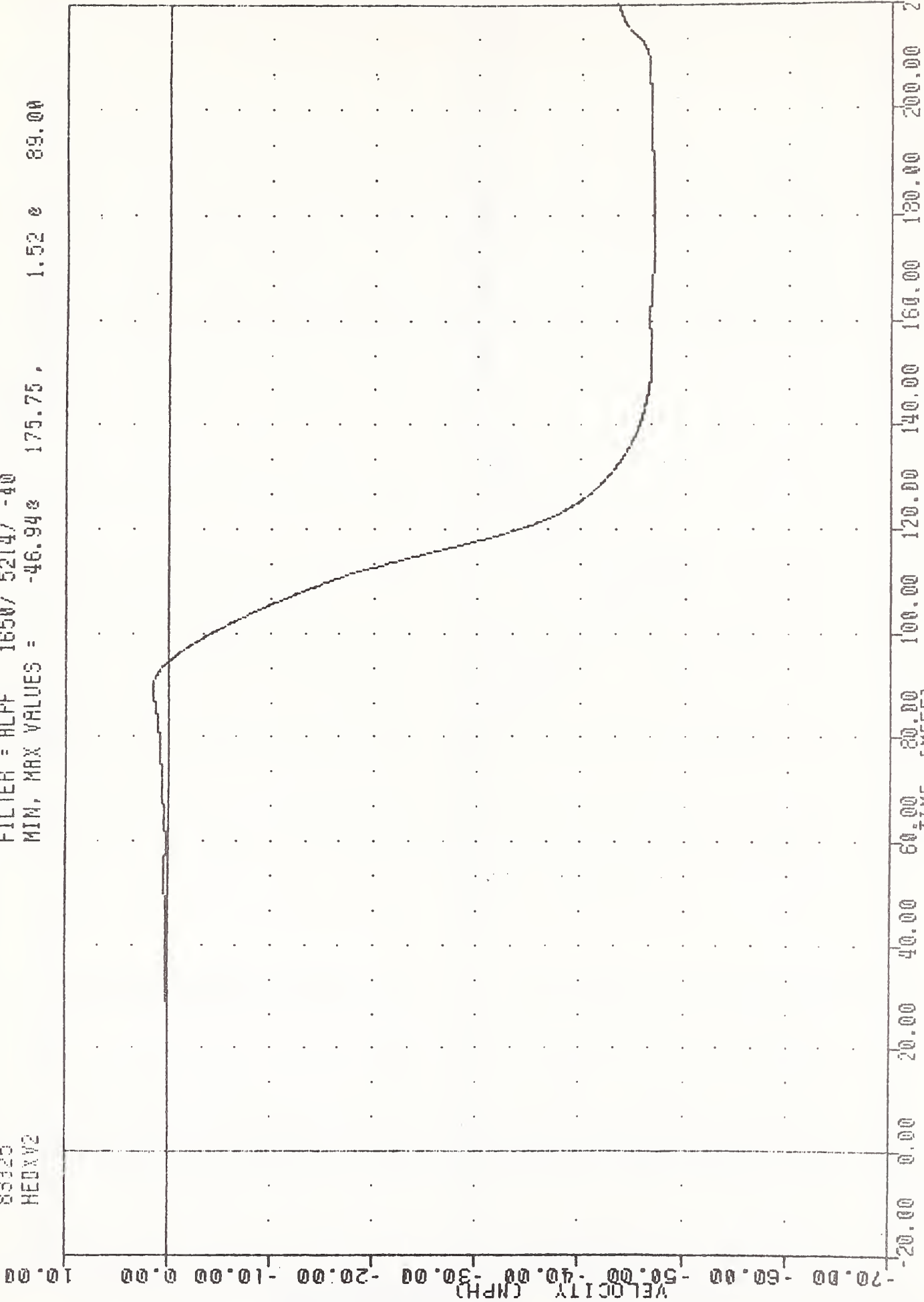


AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 95TH PERCENTILE

WATC , R0583-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
HEADV2

PLOT DATE 22-NOV-63 08:17:15

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -46.94 175.75 , 1.52 89.00

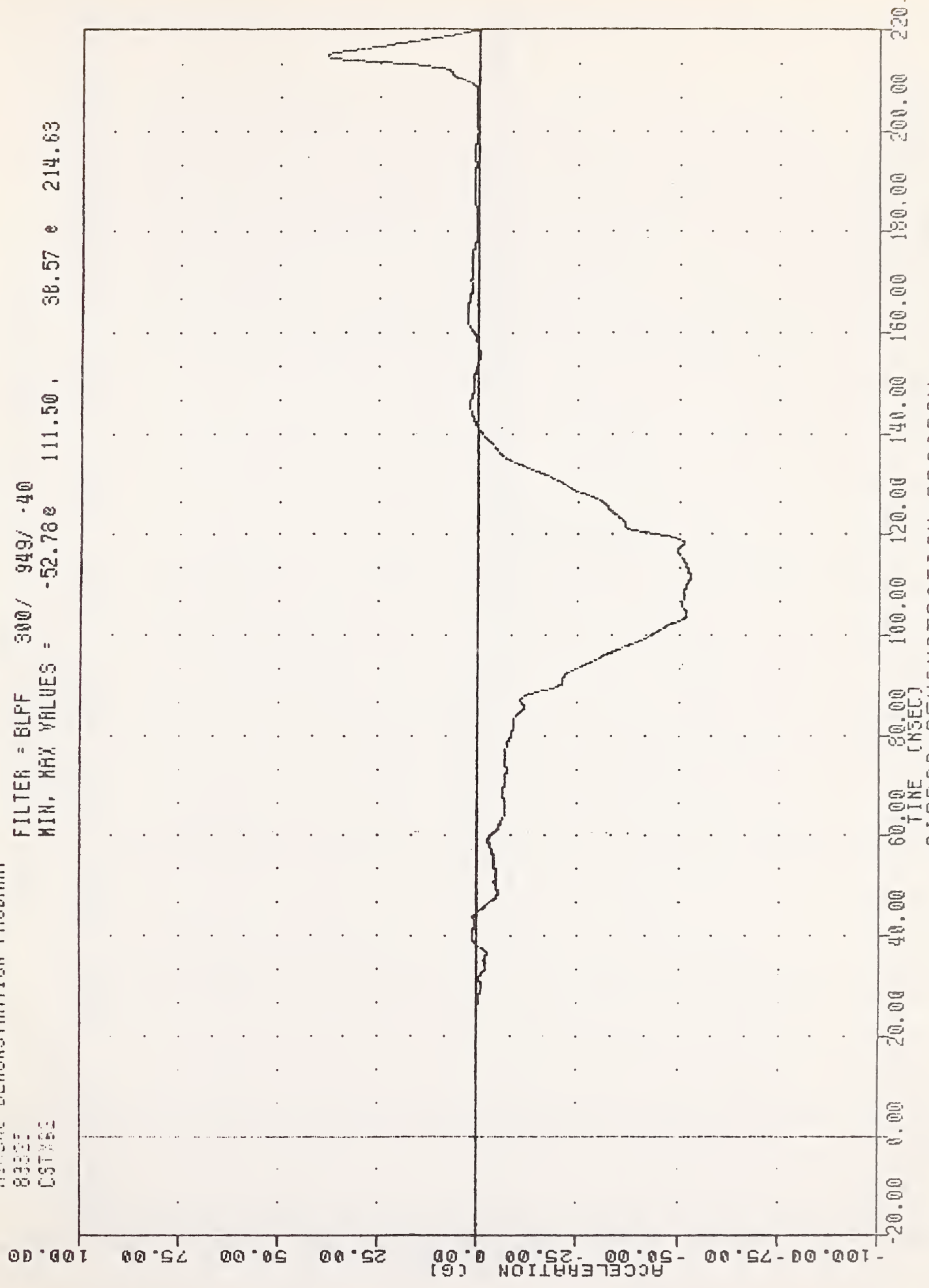


AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS 95TH PERCENTILE

WATE  
RD583-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83322  
CSTX62

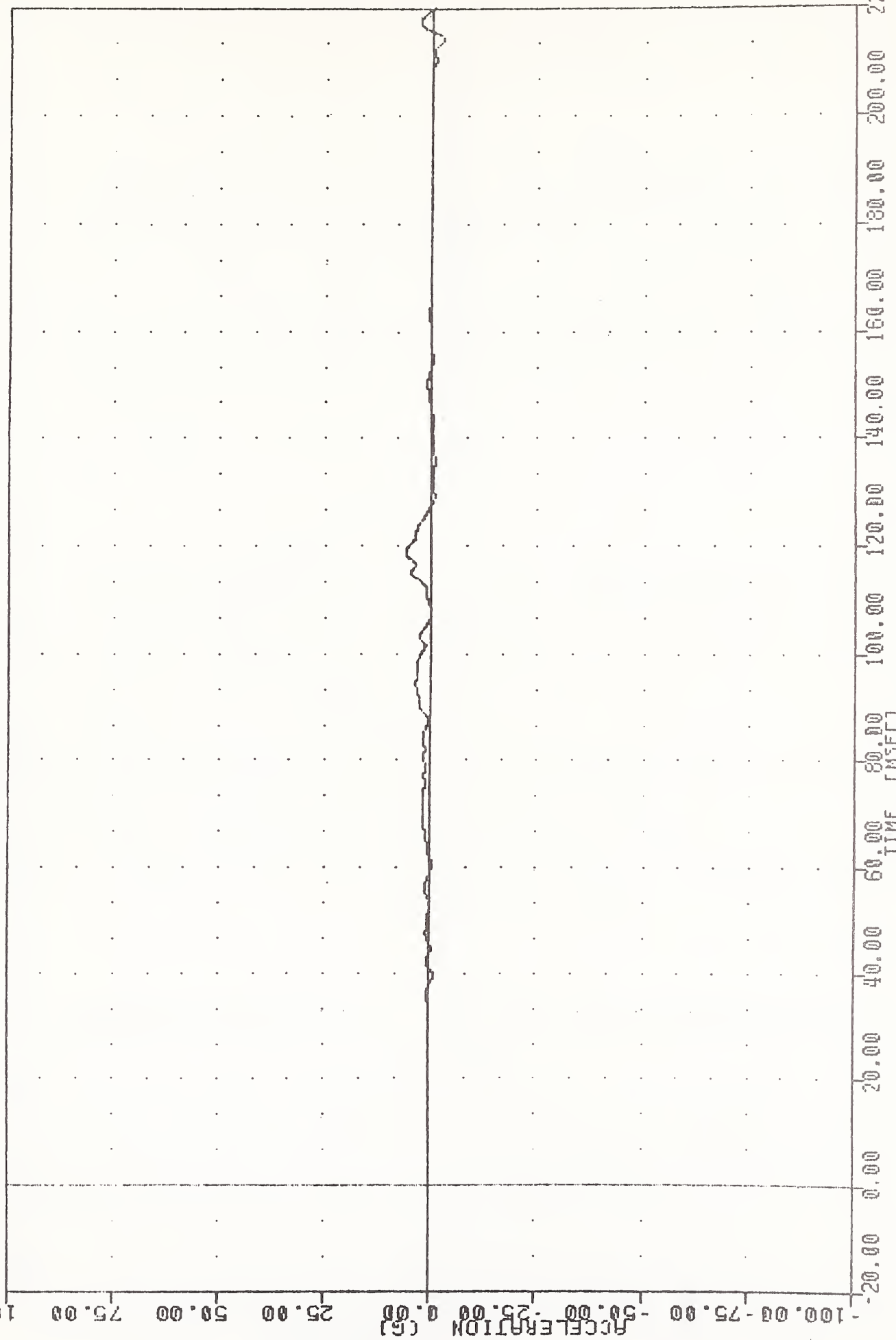
PLOT DATE 22-NOV-83 08:17:15

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -52.78e 111.50, 38.57 e 214.63



AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 95TH PERCENTILE

vmi6 , 110505-2-26  
 AIRBAG DEMONSTRATION PROGRAM  
 83325  
 CST192  
 FILTER = BLFF 300/ 949/ -40  
 MIN, MAX VALUES = -2.55e 214.13, 6.20 e 118.63  
 PLOT DATE 22-NOV-83 08:17:15



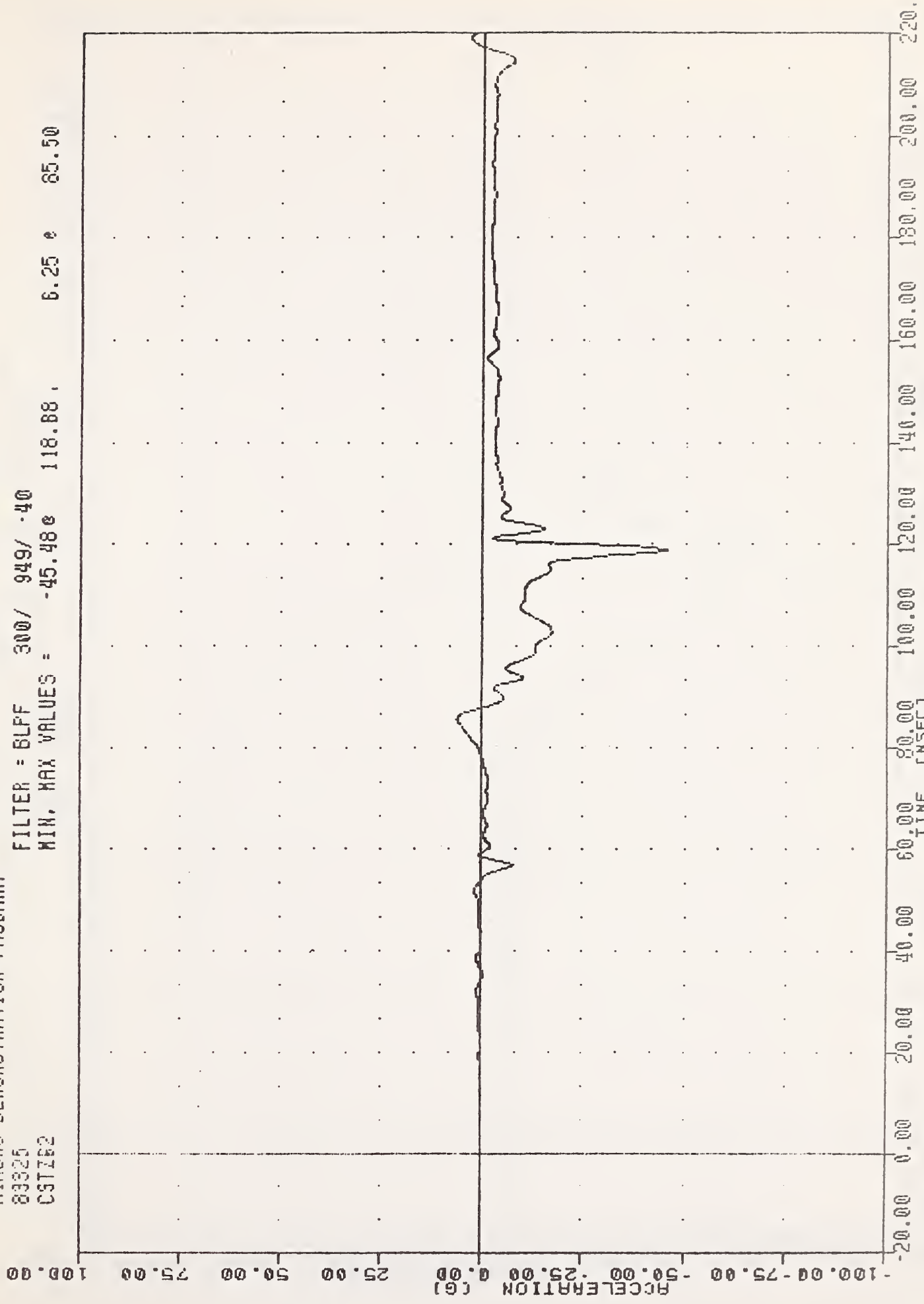
AIRBAG DEMONSTRATION PROGRAM  
 CHEST ACCELERATION Y AXIS 95TH PERCENTILE



WHTC  
AIRBAG DEMONSTRATION PROGRAM  
83325  
CST162

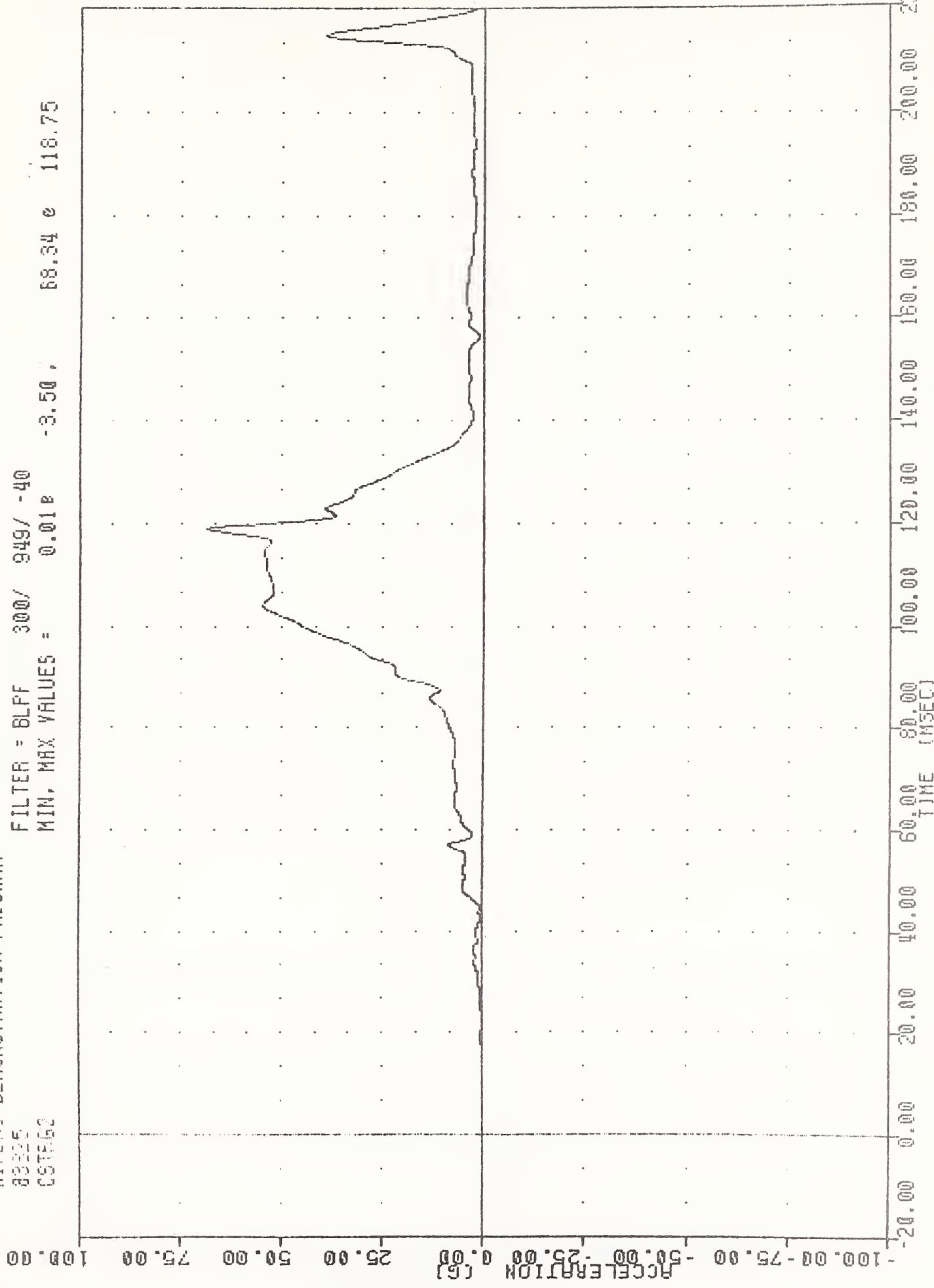
PLOT DATE 22-NOV-83 08:17:15

FILTER = BLFF 300 / 949 / -40  
MIN, MAX VALUES = -45.48 e 118.88 , 6.25 e 85.50



AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 95TH PERCENTILE

WATE , R0583-2-26 PLOT DATE 22-NOV-83 08:17:15  
 AIRBAG DEMONSTRATION PROGRAM  
 83325 FILTER = BLPF 300/ 949/ -40  
 CSTE62 MIN, MAX VALUES = 0.01E -3.50 , 68.34 e 116.75



AIRBAG DEMONSTRATION PROGRAM  
 CHEST RESISTANT AFFIRMATION 95TH PERCENTILE

DATE 85525  
AIRBAG DEMONSTRATION PROGRAM  
CSTXV2

PLOT DATE 22-NOV-83 08:17:15

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -44.43e 140.75, 0.04 e 23.75

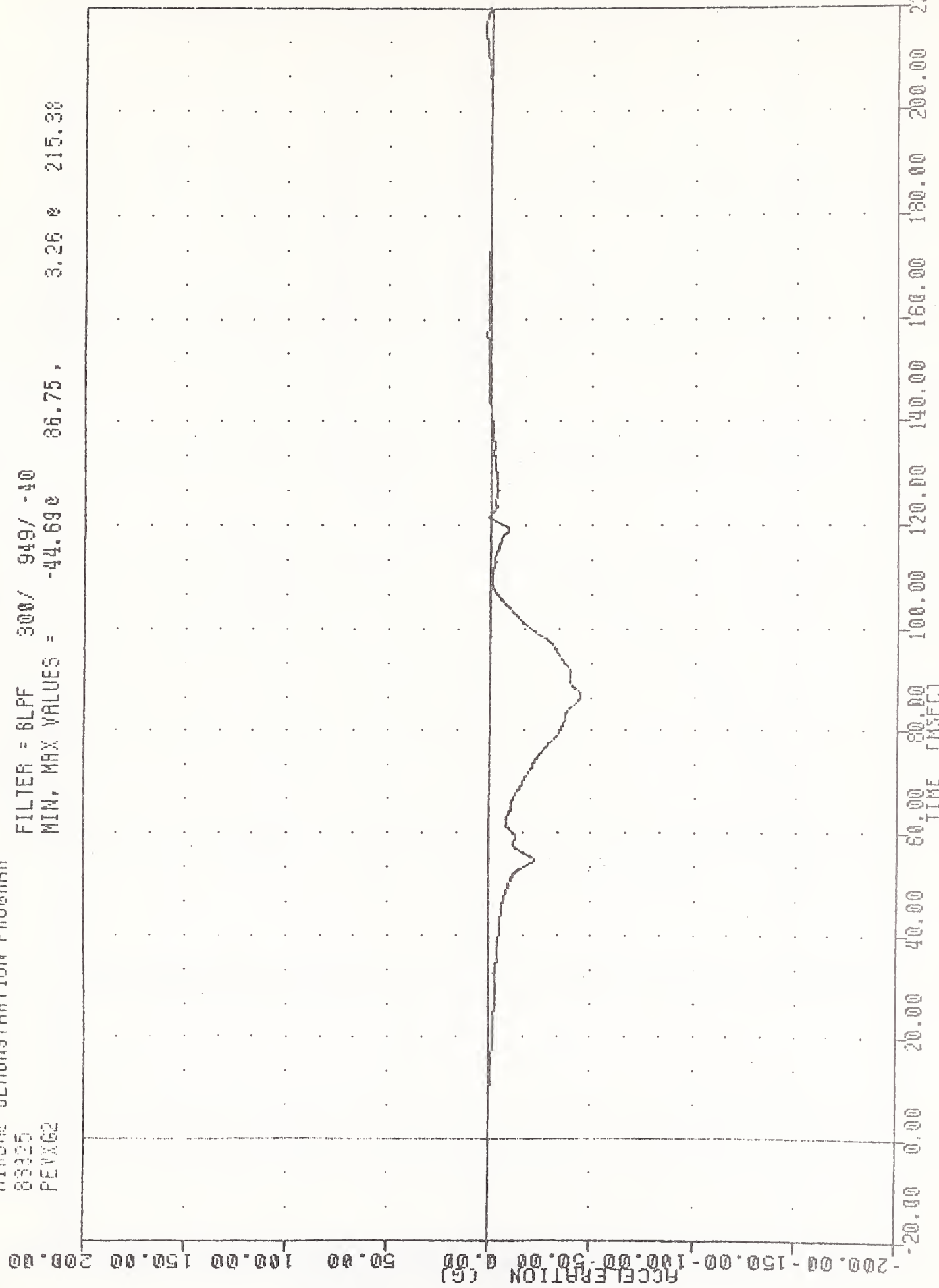


AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY X AXIS 95TH PERCENTILE

VRIC , RD563-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
PEVX62

PLOT DATE 22-NOV-83 08:17:15

FILTER = 6LPF 300/ 949/ -40  
MIN, MAX VALUES = -44.69e 86.75 , 3.26 e 215.38



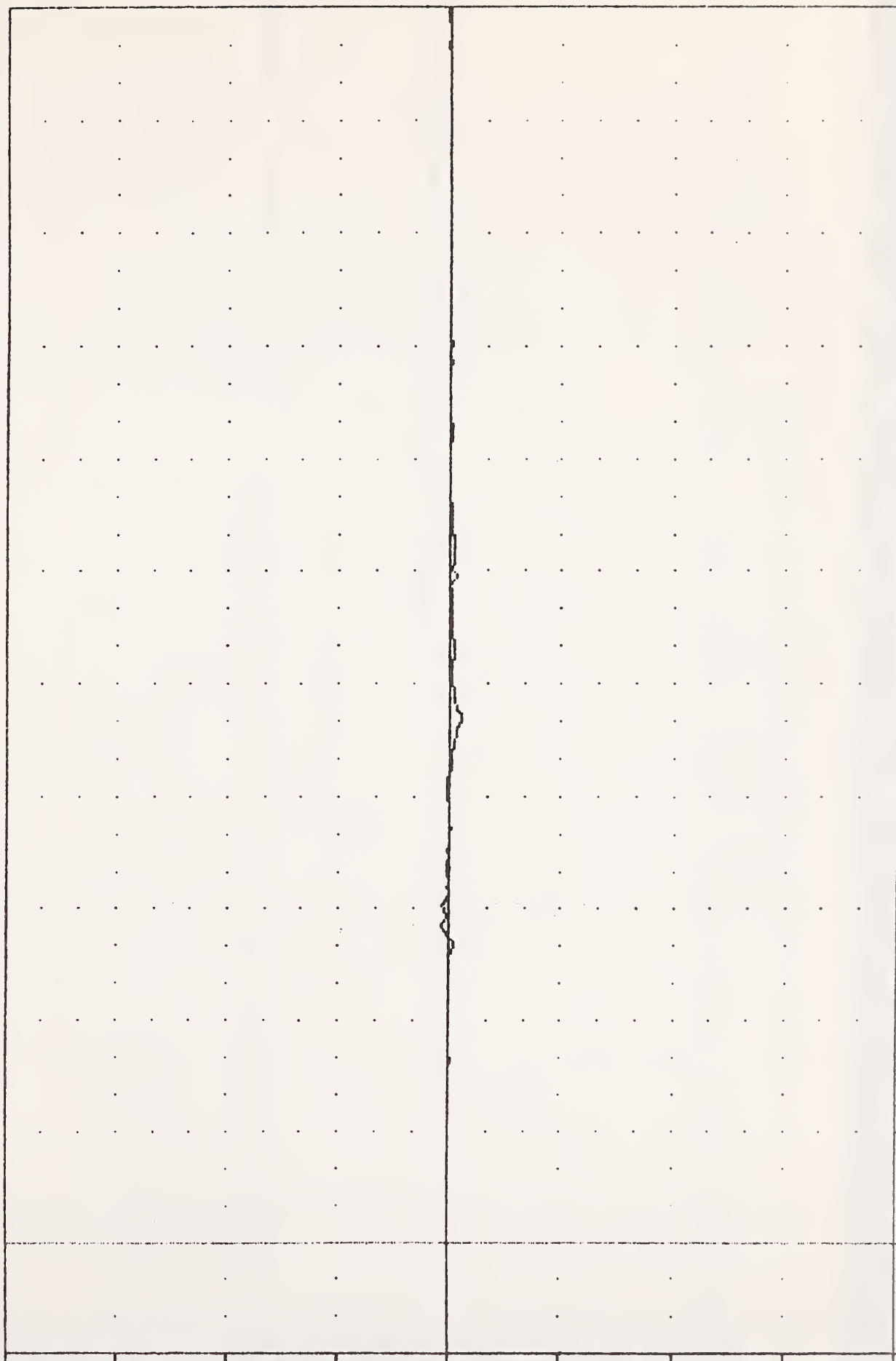
AIRBAG DEMONSTRATION PROGRAM  
PFI VTS ACCELERATION Y AXIS 95TH PERCENTILE

VATIC , RD583-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
PEV162

PLOT DATE 22-NOV-88 08:17:15

FILTER = BLPF 300/ 949/ .40  
MIN. MAX VALUES = -5.55e 93.63, 3.55 e 56.88

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



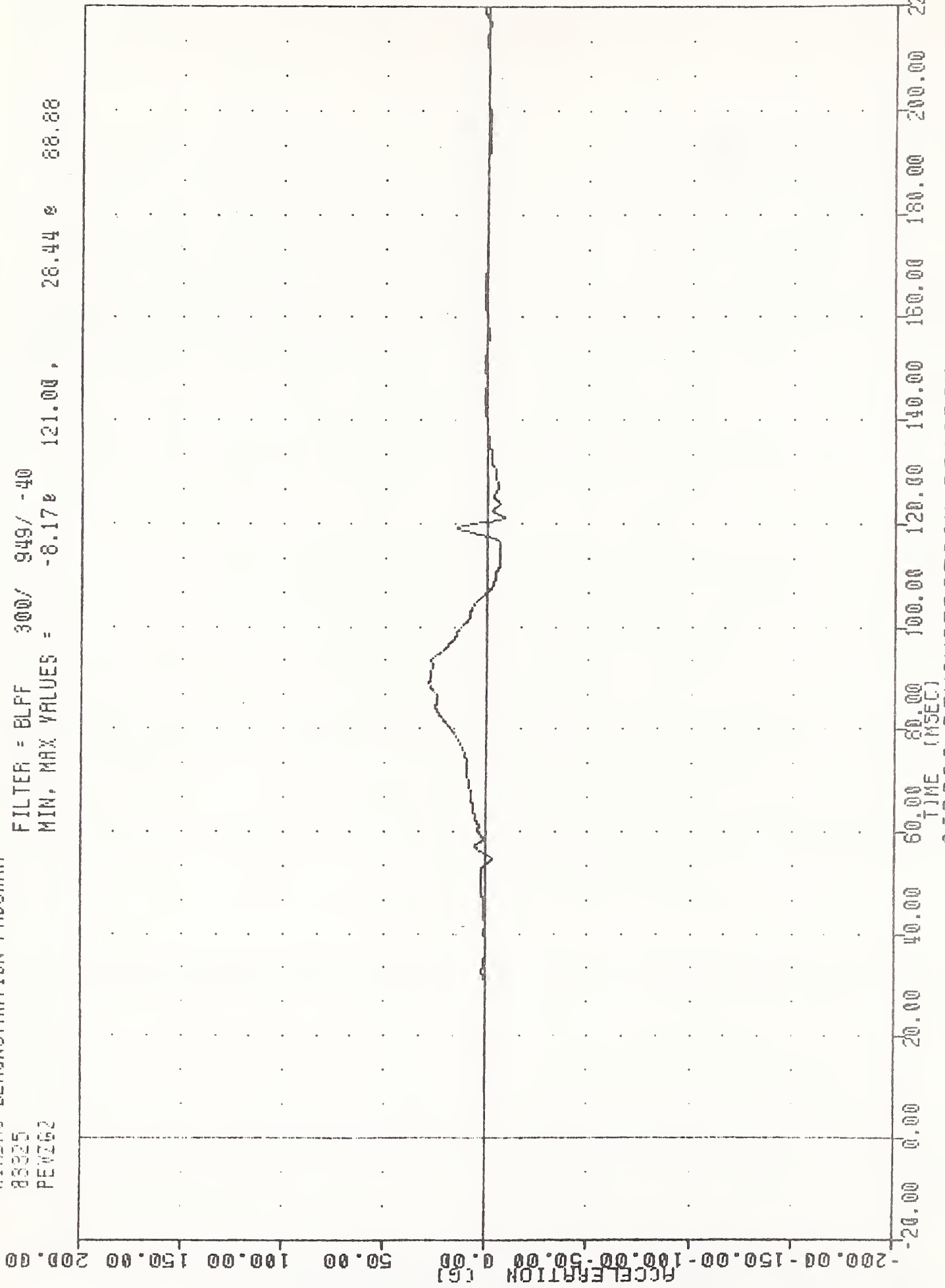
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Y AXIS 95TH PERCENTILE

VATIC , R0583-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
PEV362

PLOT DATE 22-NOV-83 08:17:15

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -8.17e 121.00 , 28.44 e 88.88



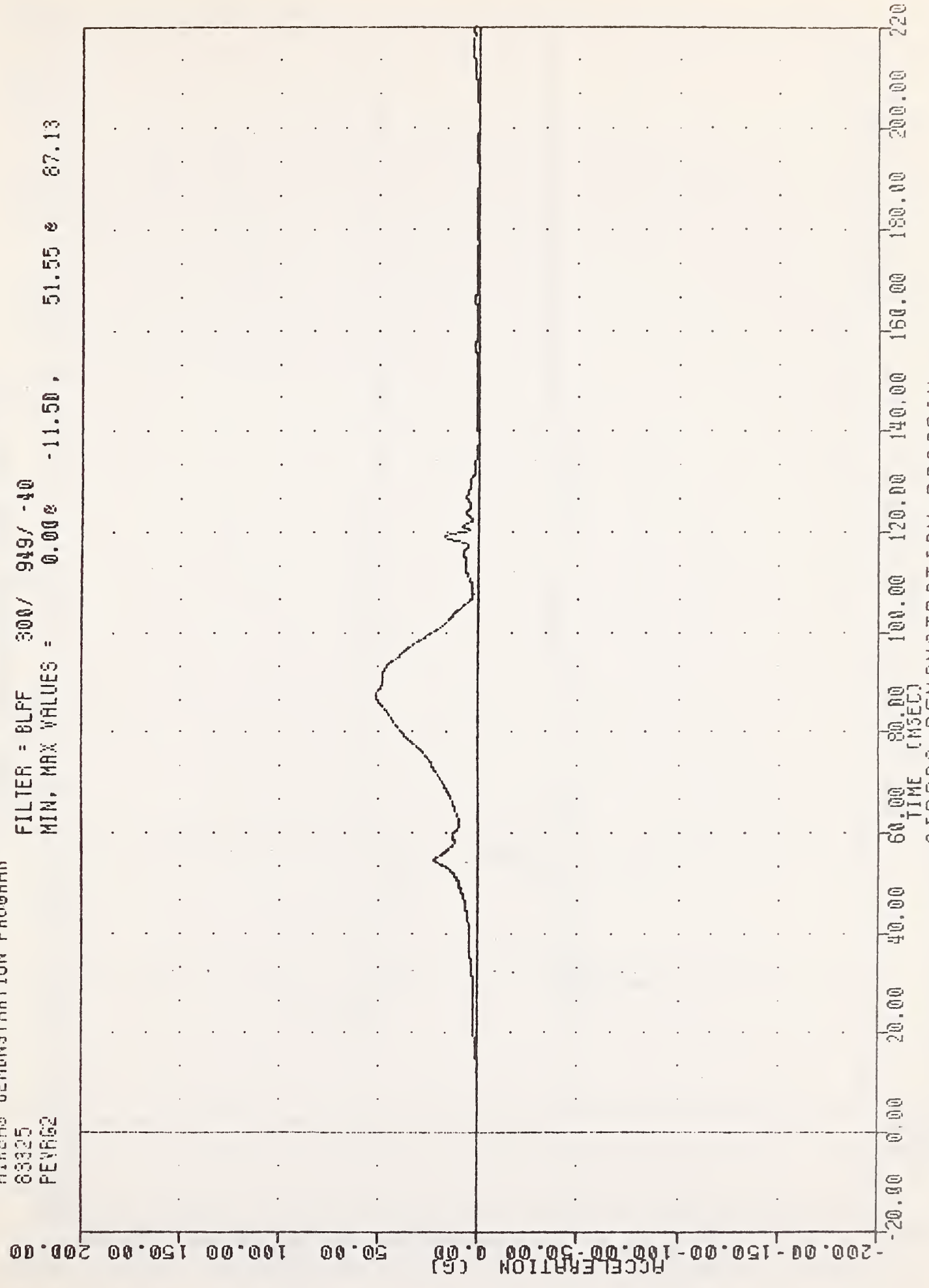
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION 7 AXIS 95TH PERCENTILE



YRIC , RD583-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
PEVR62

PLOT DATE 22-NOV-83 08:17:15

FILTER = BLFF 300/ 949/ -40  
MIN. MAX VALUES = 0.00% -11.50, 51.55 e 87.13



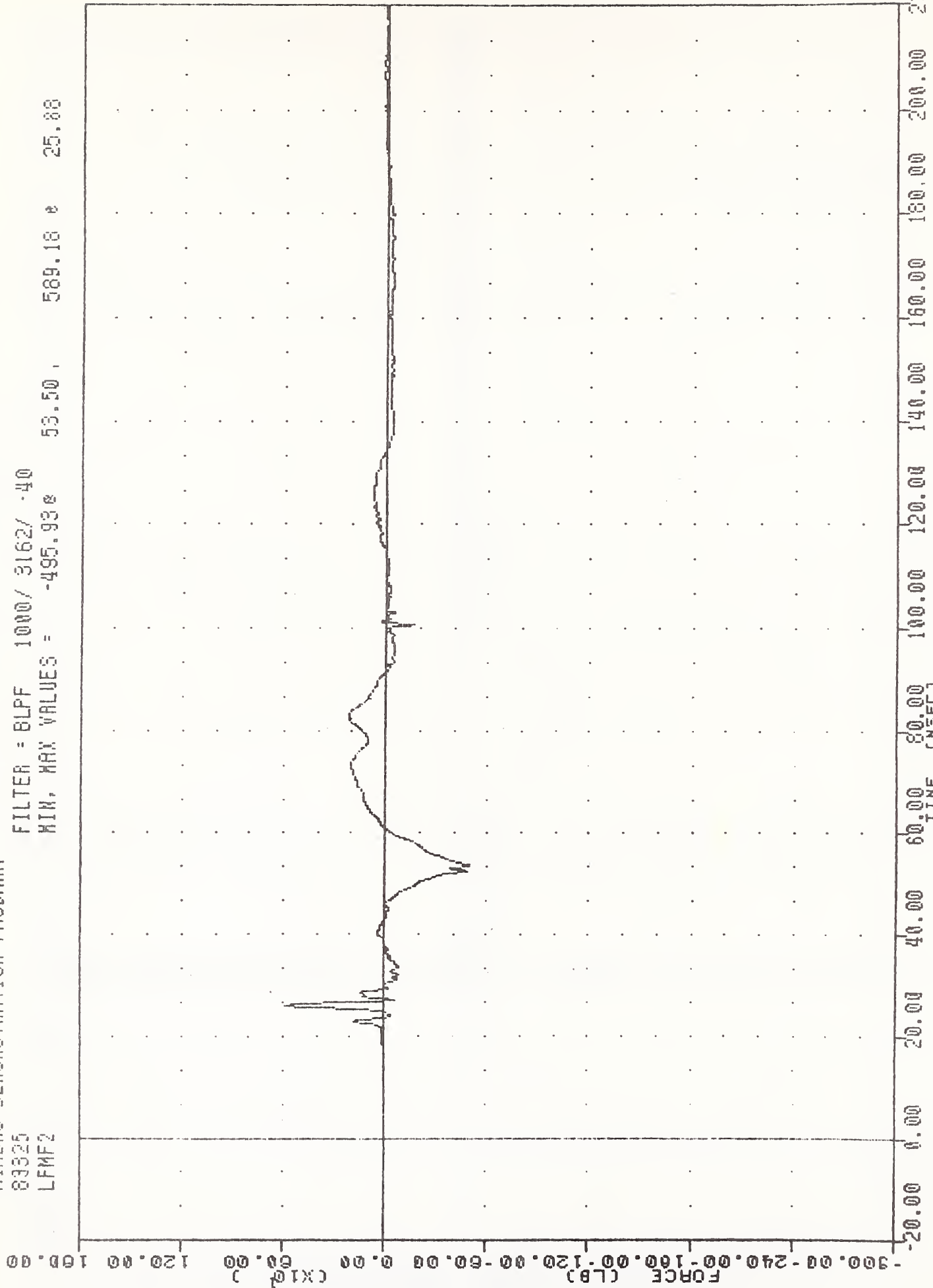
AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 95TH PERCENTILE



WATC  
AIRBAG DEMONSTRATION PROGRAM  
83325  
LFMF2

PLOT DATE 22-NOV-83 08:17:15

FILTER = BLPF 1000/ 3162/ -40  
MIN, MAX VALUES = -495.938 53.50 589.18 25.88



AIRBAG DEMONSTRATION PROGRAM  
LEFT FEMUR FORCE IN LBS 95TH PERCENTILE

PLOT DATE 22-NOV-83 08:17:15

WATC , R0583-2-26

AIRBAG DEMONSTRATION PROGRAM

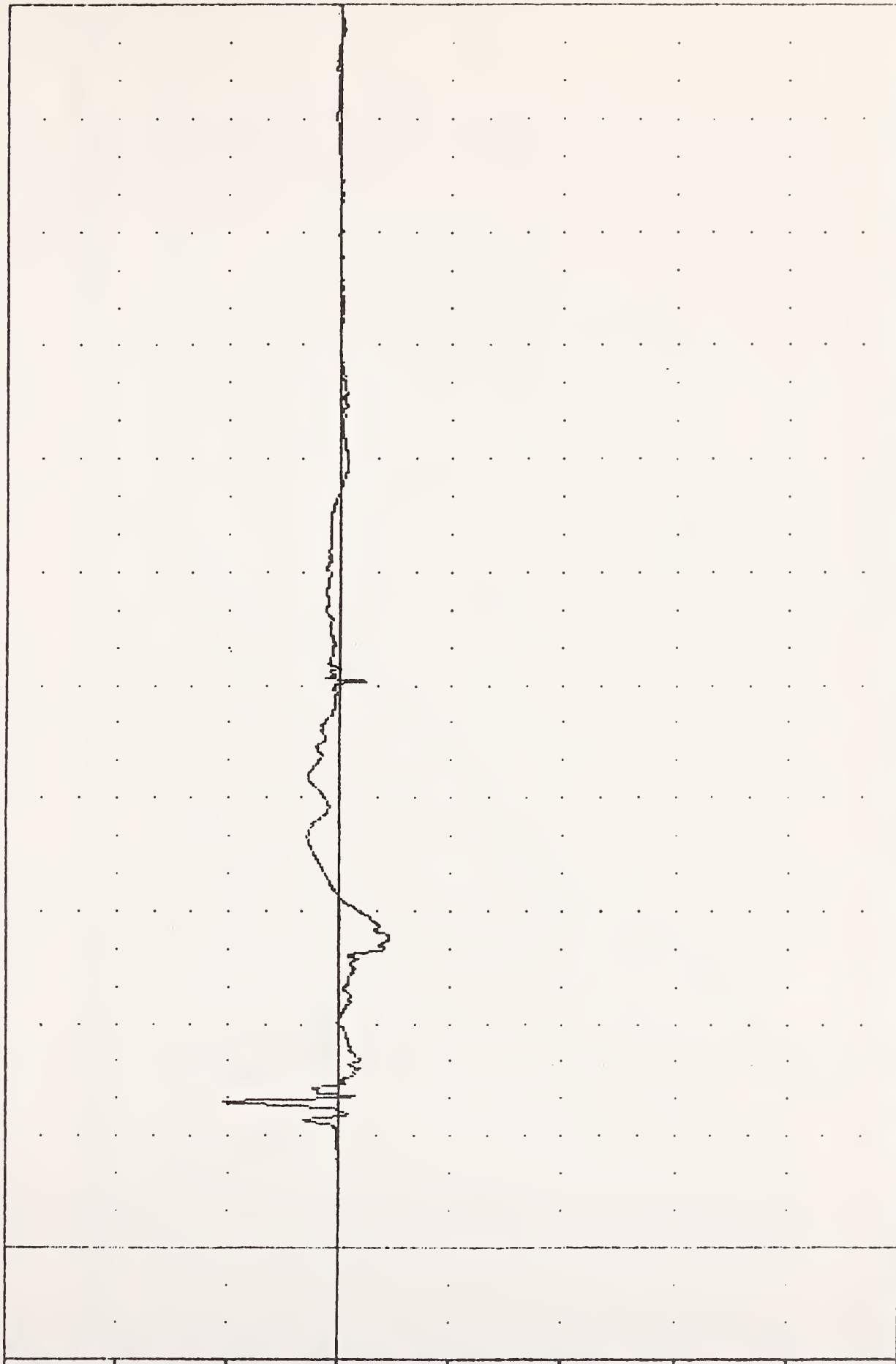
83525

RFMF2

FILTER = BLPF 1000/ 3162/ -40

MIN, MAX VALUES = -268.40e 54.75, 623.56 e 25.88

FORCE (LB) (X10<sup>3</sup>)



-300.00 -240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00 240.00 220.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN LBS 95TH PERCENTILE

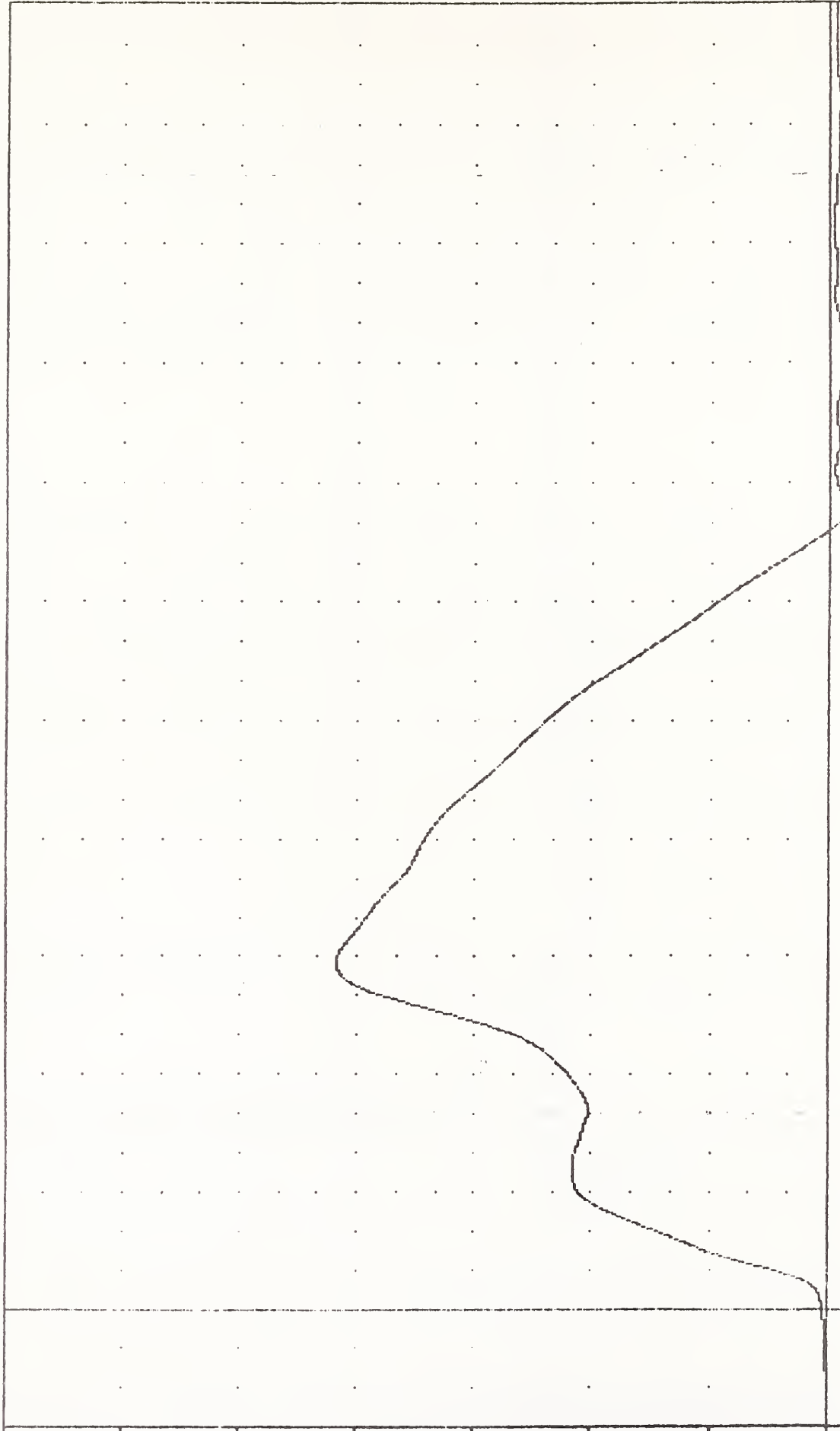
VRTC , RD563-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
SLOX5C

PLOT DATE 22-NOV-83 08:17:15

FILTER = BLFF 100/ 316/ -40

MIN, MAX VALUES = -0.71e 135.25, 20.87 e 58.88

ACCELERATION (G)



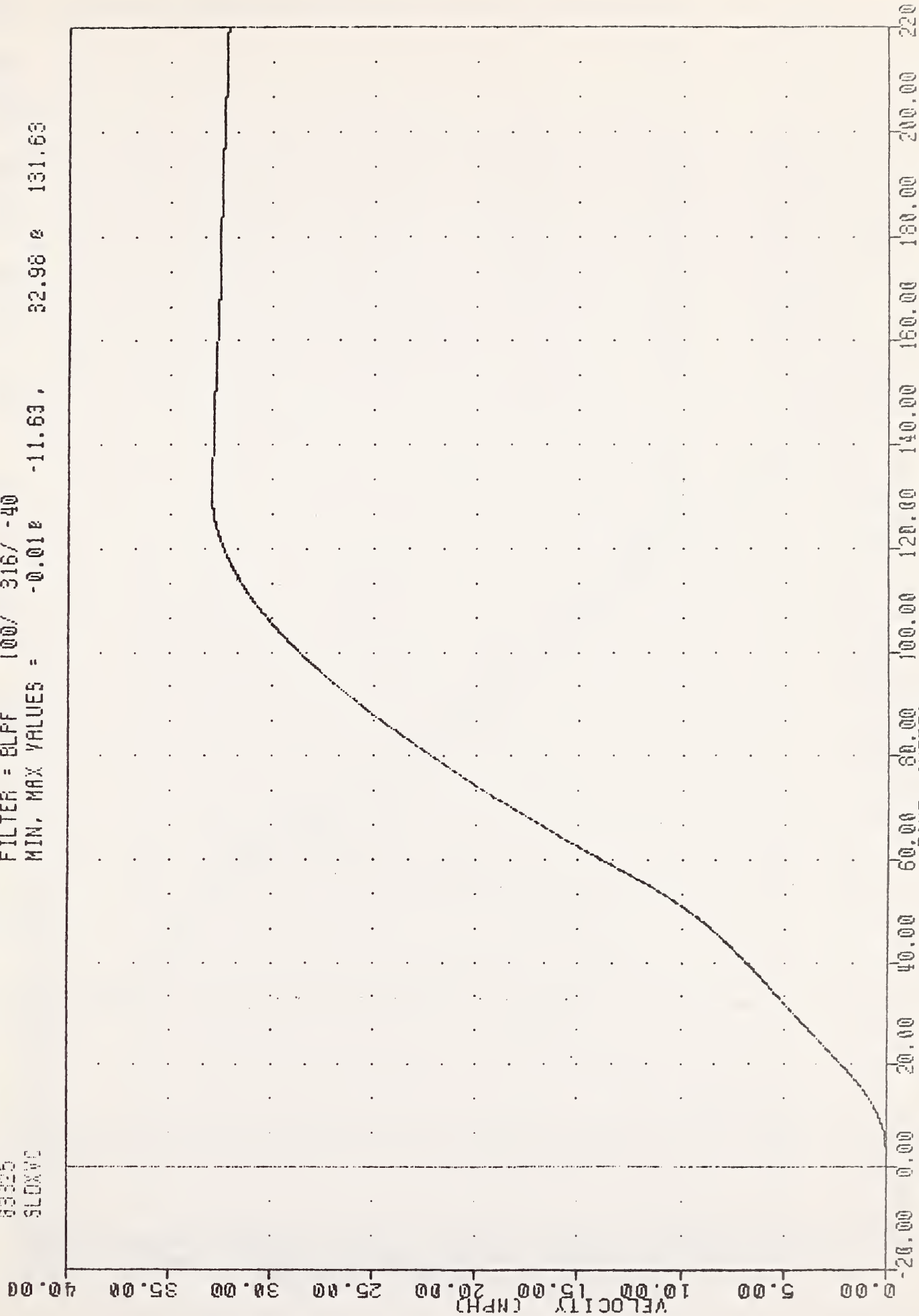
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
SIFN ACCIFIRATTN

VATIC , RD563-2-26  
AIRBAG DEMONSTRATION PROGRAM  
83325  
SLOWVC

PLOT DATE 22-NOV-83 08:17:15

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.01% -11.63, 32.98 & 131.63

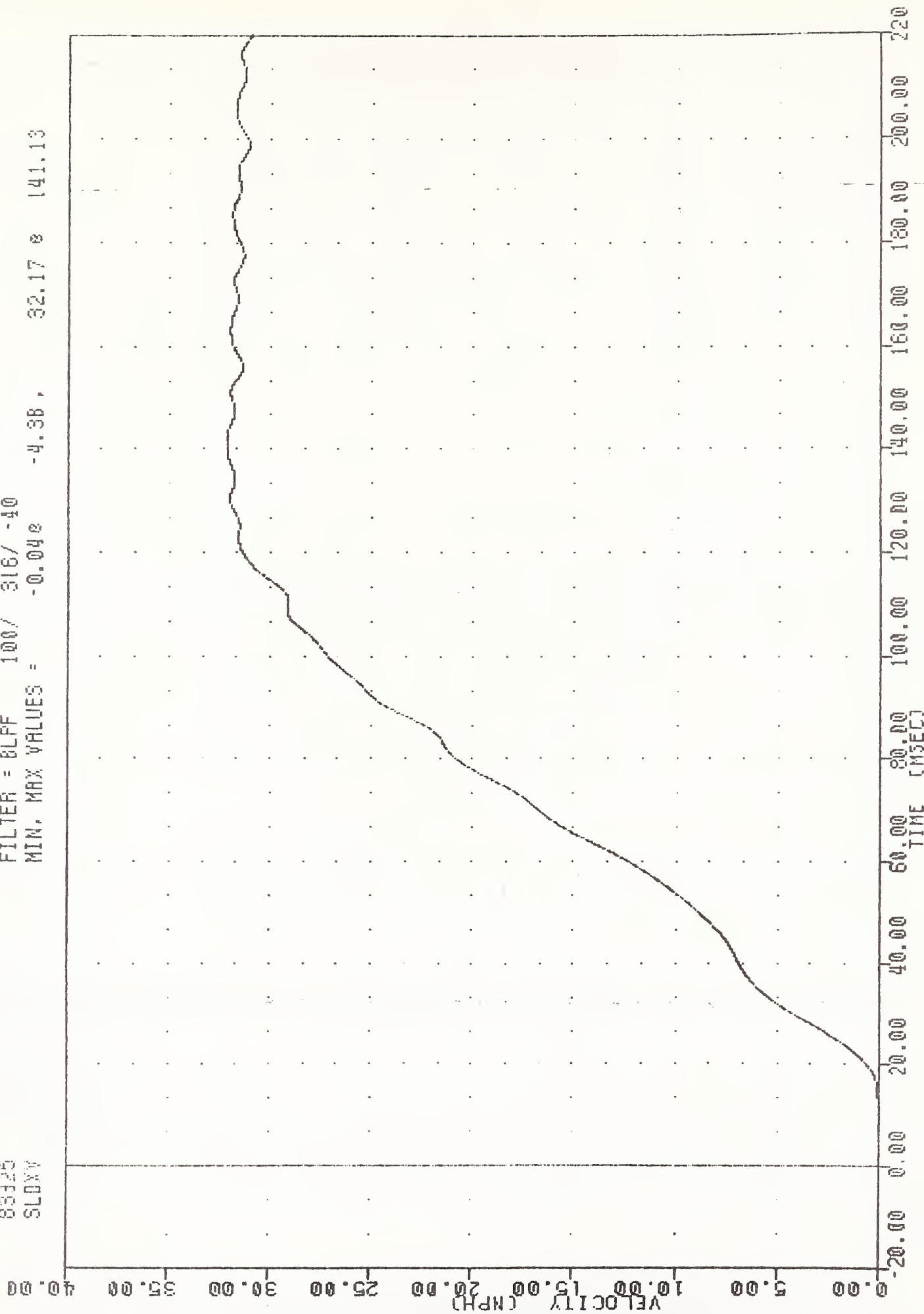


AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SIFD VELOCITY

W57C  
AIRBAG DEMONSTRATION PROGRAM  
83325  
SLOWV

PLOT DATE 22-NOV-83 08:17:15

FILTER = 8LFF 100/ 316/ -40  
MIN. MAX VALUES = -0.04e -4.38, 32.17 e 141.13



AIRBAG DEMONSTRATION PROGRAM  
SLOW VELOCITY

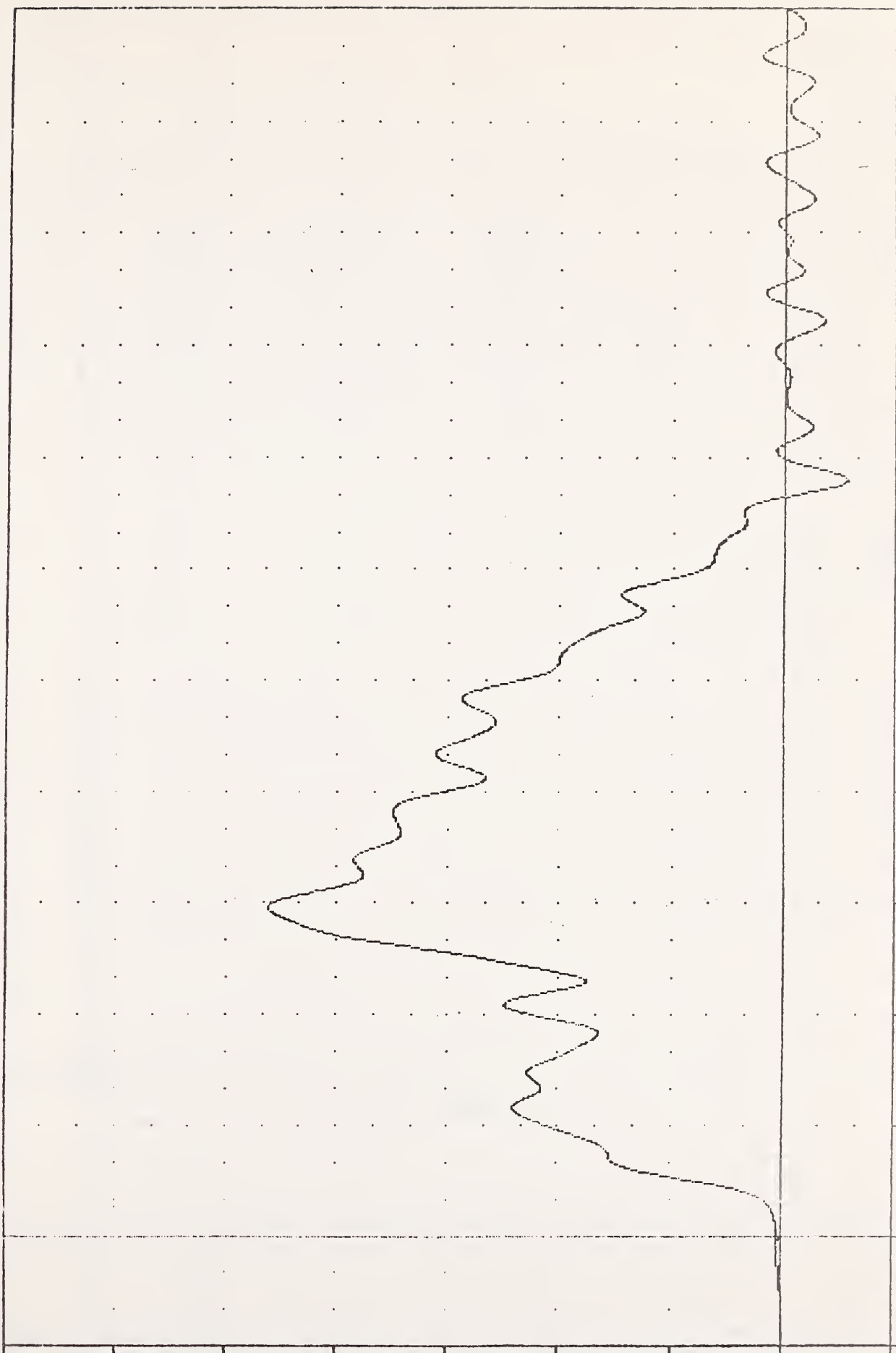
SEED VELOCITY

DATE: 22-NOV-83 08:17:15  
AIRBAG DEMONSTRATION PROGRAM  
82525  
FTUNE

PLT DATE 22-NOV-83 08:17:15

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -2.86e 135.88, 29.12 e 59.00

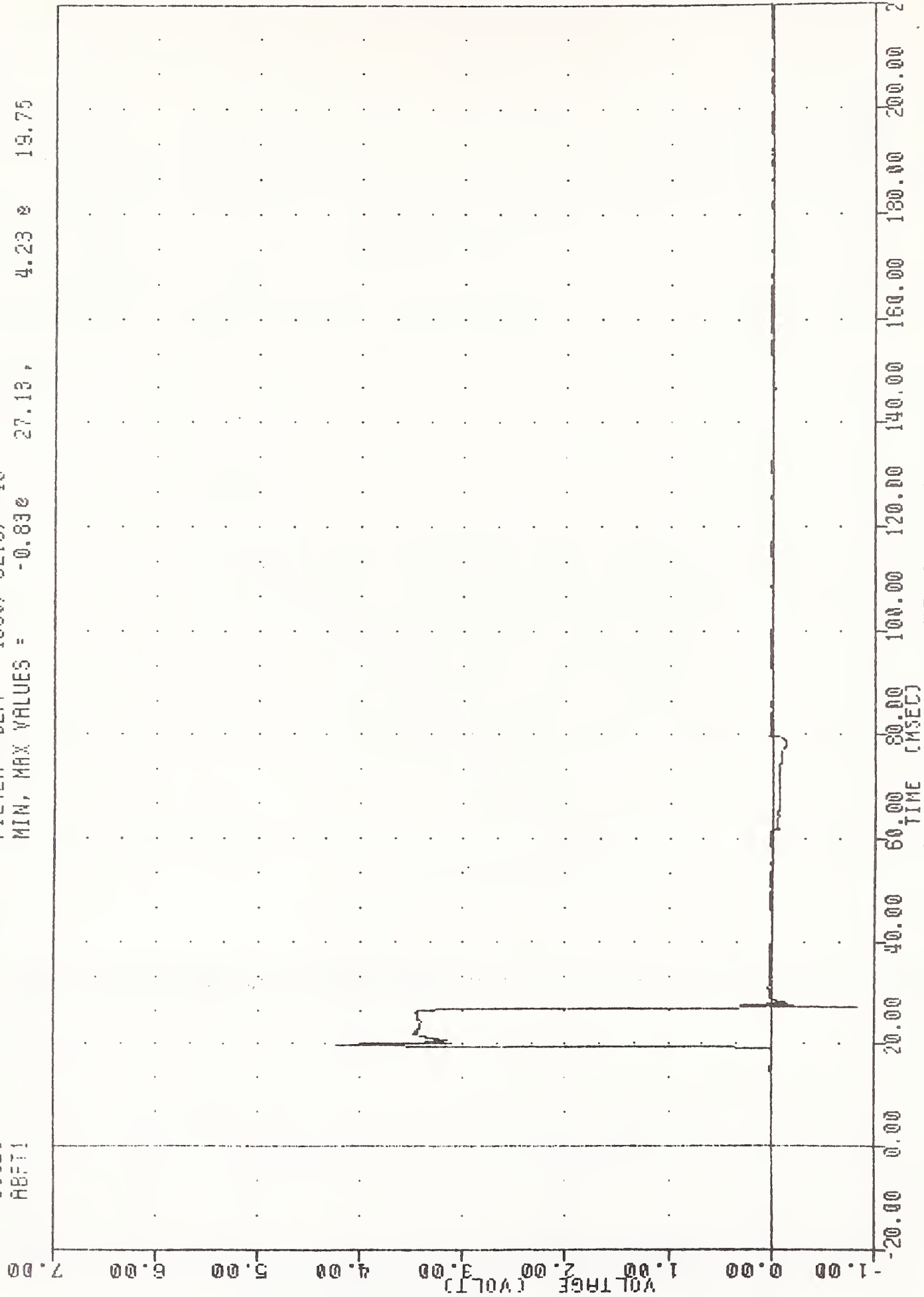
ACCELERATION (G)



TIME (MSEC)  
AIRBAG DEMONSTRATION PROGRAM  
FLOOR PAN TUNNEL ACCELERATION

83325  
 ABFT1  
 AIRBAG DEMONSTRATION PROGRAM  
 RD583-2-26  
 PLOT DATE 22-NOV-83 08:17:15

FILTER = BLPF 1650/ 5218/ -40  
 MIN, MAX VALUES = -0.83e 27.13, 4.23 e 19.75



AIRBAG DEMONSTRATION PROGRAM  
 AIR BAG FIRING EVENT 95TH PERCENTILE





		Min value		Max value			Uni
1	SPSW	-1.136	@ 5.250	5.446	@ -13.000	msec	volt
2	SLDXGC	-0.695	@ 135.625	21.177	@ 58.500	msec	g
3	SLDXVC	-0.014	@ -11.000	32.946	@ 132.000	msec	mph
4	SLDXV	-0.028	@ -4.125	32.220	@ 141.250	msec	mph
5	FTUXG	-2.712	@ 158.125	24.033	@ 57.750	msec	g
5	ABFT1	-1.102	@ 27.000	4.110	@ 19.625	msec	volt
7	HEDXG2	-90.858	@ 106.875	20.170	@ 242.500	msec	g
3	HEDXV2	-44.503	@ 206.125	0.357	@ 73.250	msec	mph
7	HEDYG2	-10.845	@ 104.125	6.785	@ 253.250	msec	g
0	HEDZG2	-69.169	@ 104.000	16.492	@ 110.125	msec	g
1	CSTXG2	-63.961	@ 118.000	13.039	@ 299.250	msec	g
2	CSTXV2	-42.206	@ 142.125	0.021	@ 26.000	msec	mph
3	CSTYG2	-1.598	@ 292.250	8.003	@ 105.875	msec	g
4	CSTZG2	-38.854	@ 108.000	18.776	@ 110.250	msec	g
5	PEVXG2	-66.475	@ 85.500	10.992	@ 110.625	msec	g
5	PEVYG2	-8.119	@ 102.375	3.913	@ 59.750	msec	g
7	PEVZG2	-16.903	@ 109.875	23.944	@ 94.375	msec	g
3	LFMF2	-1983.498	@ 86.375	456.327	@ 25.500	msec	lb
7	RFMF2	-1702.888	@ 88.500	468.497	@ 25.500	msec	lb
0	HEDRG2	0.006	@ -25.000	111.638	@ 104.000	msec	g
1	CSTRG2	0.003	@ -16.625	69.929	@ 107.875	msec	g
2	PEVRG2	0.006	@ -14.750	67.788	@ 85.375	msec	g

\* \* \* HIC computation for TRC239I 23-NOV-83 11:22:06

HEDRG2 VRTC RD583-2-27 83326 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 111.64 @ 104.000

HIC = 801.17 Interval from 95.750 [ 967] to 117.500 [1141]

HIC = 773.93 Interval from 97.625 [ 982] to 112.625 [1102]

Elapsed time = 12.13 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

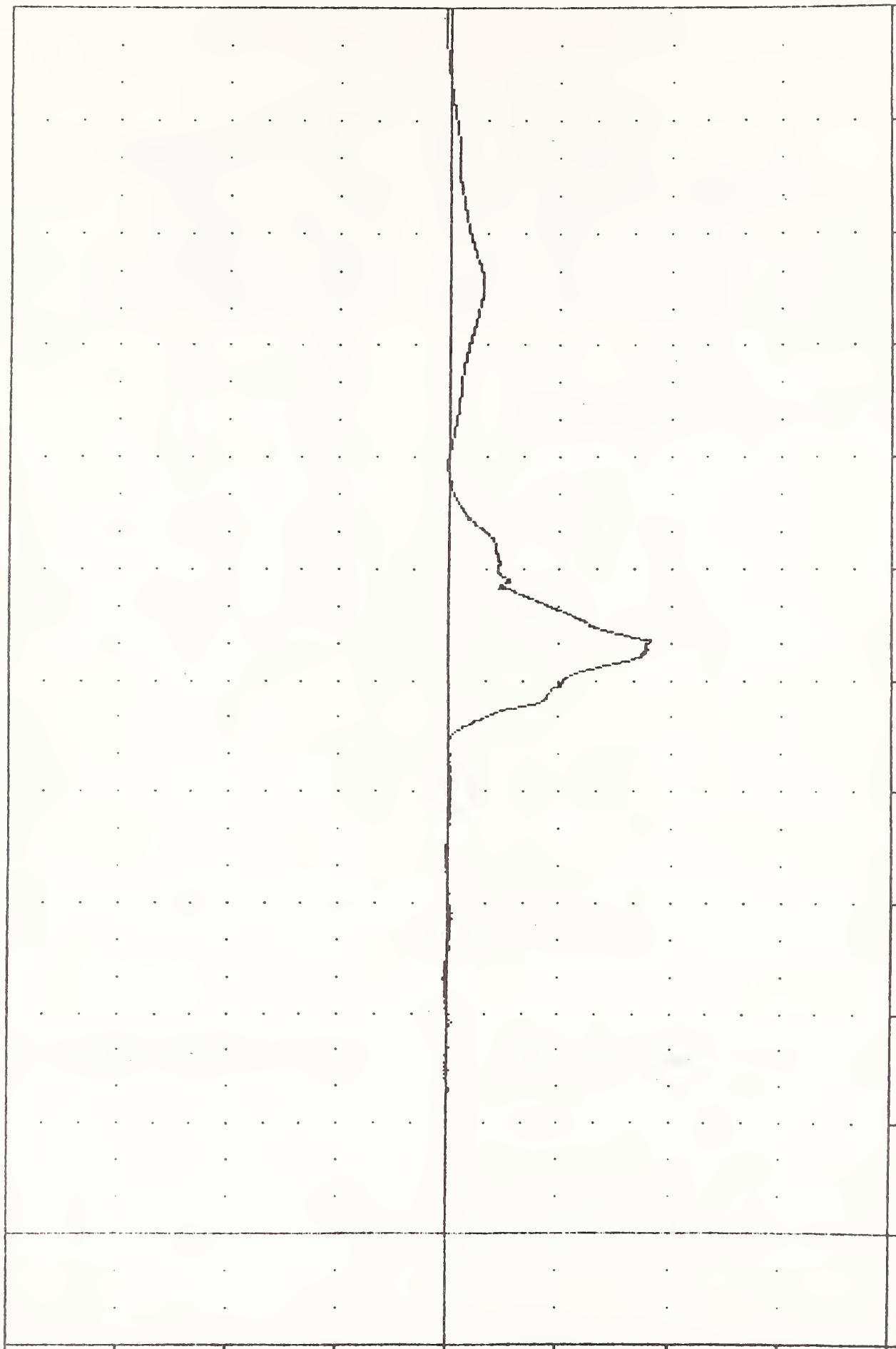
\$

VRT: , R0583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
8332E  
HEAD62

PLOT DATE 23-NOV-83 11:15:54

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -90.86E 106.88, 2.69 E 218.75

ACCELERATION (G)

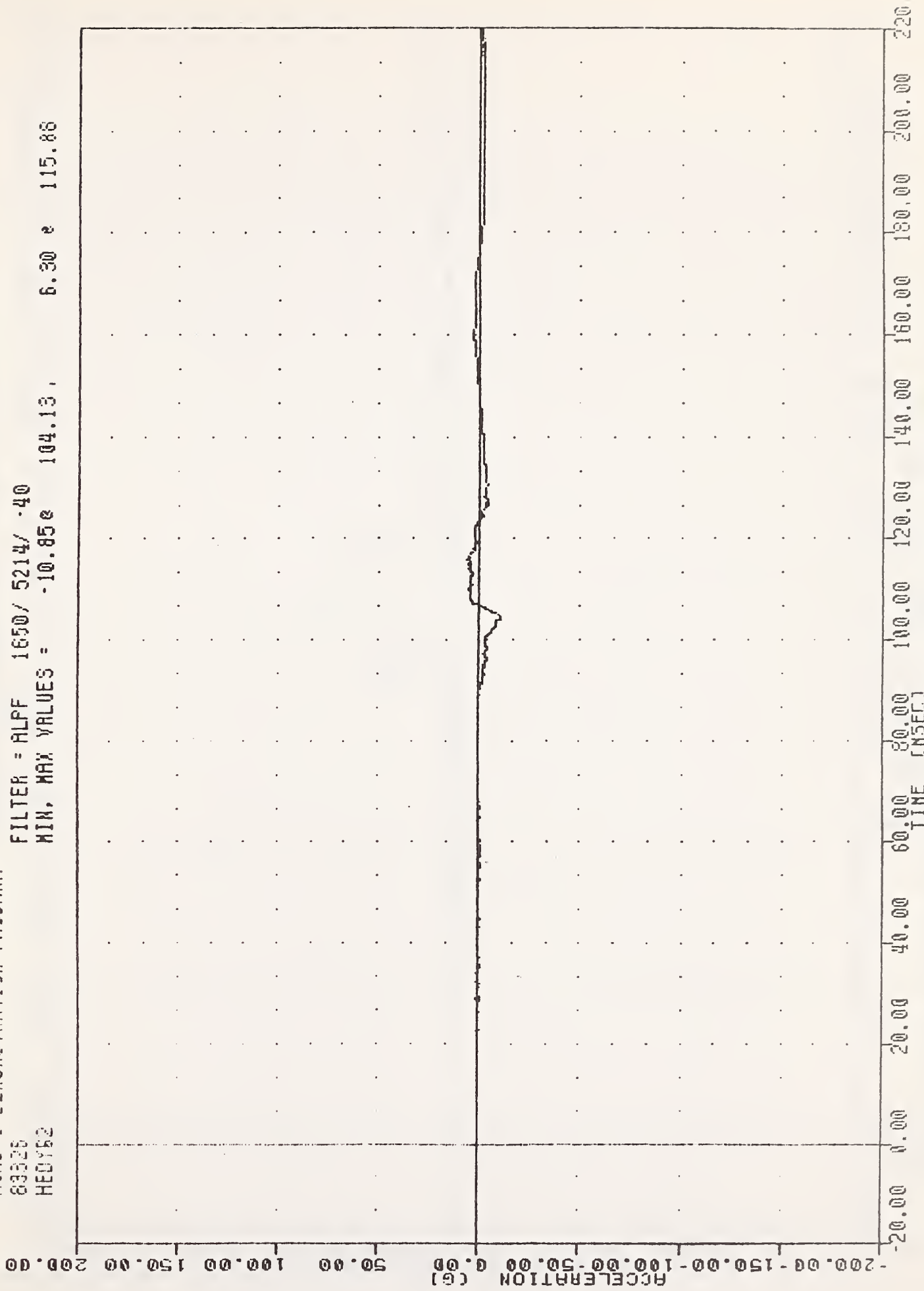


TIME (MSEC)  
AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION X AXIS 95TH PERCENTILE

WATE , RD583-2-27  
 AIRBAG DEMONSTRATION PROGRAM  
 83326  
 HEDY82

PLOT DATE 23-NOV-83 11:15:54

FILTER = ALPF 1650/ 5214/ -40  
 MIN. MAX VALUES = -10.85e 104.13, 6.30 e 115.86



AIRBAG DEMONSTRATION PROGRAM  
 HEAD ACCELERATION Y AXIS 95TH PERCENTILE

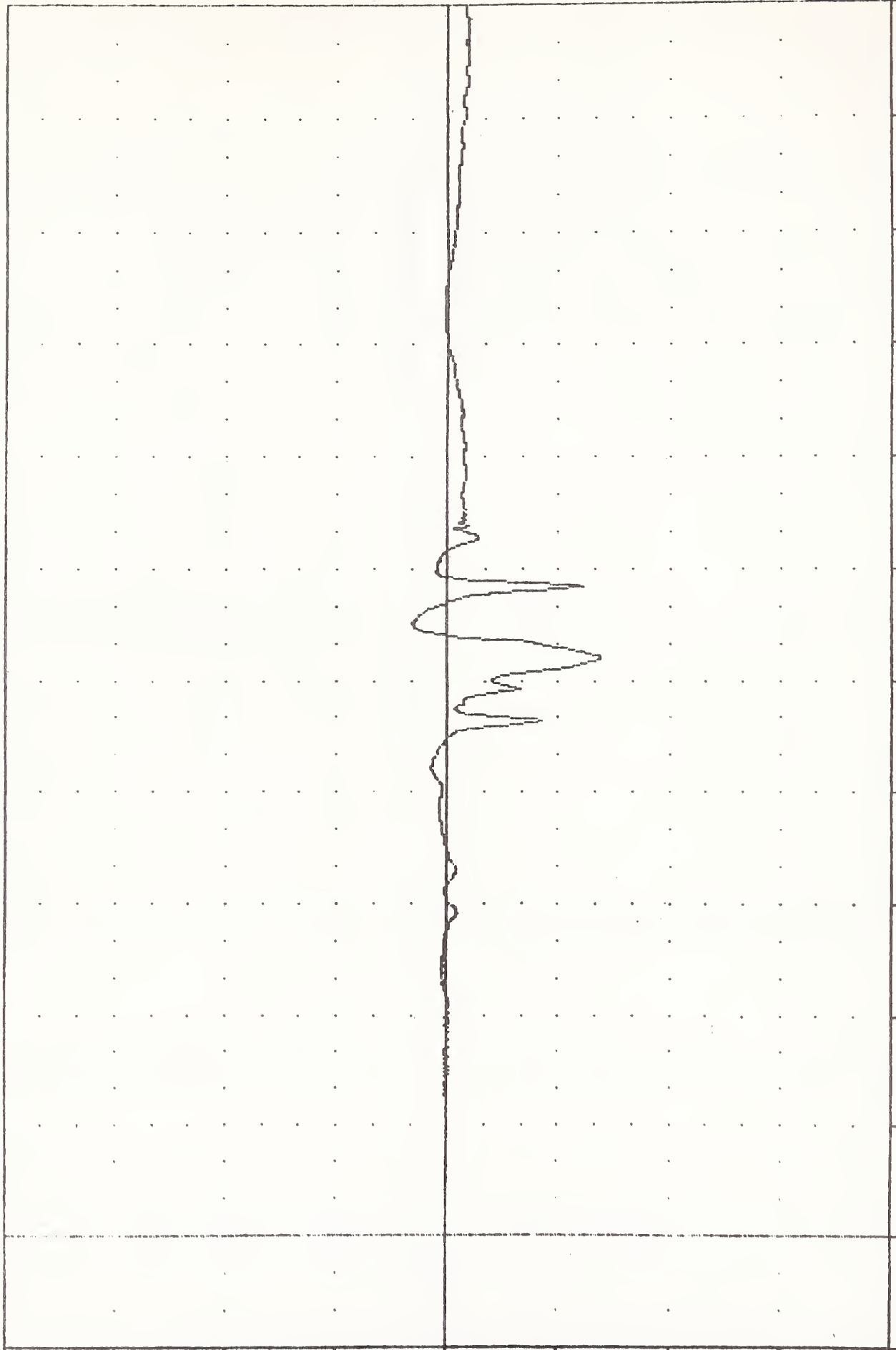
1573 , RD583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
8233E  
HE2262

PLOT DATE 23-MOV-83 11:15:54

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -69.17g 104.00g 16.49g 110.13

ACCELERATION (G)



TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION 7 AXIS 95TH PERCENTILE

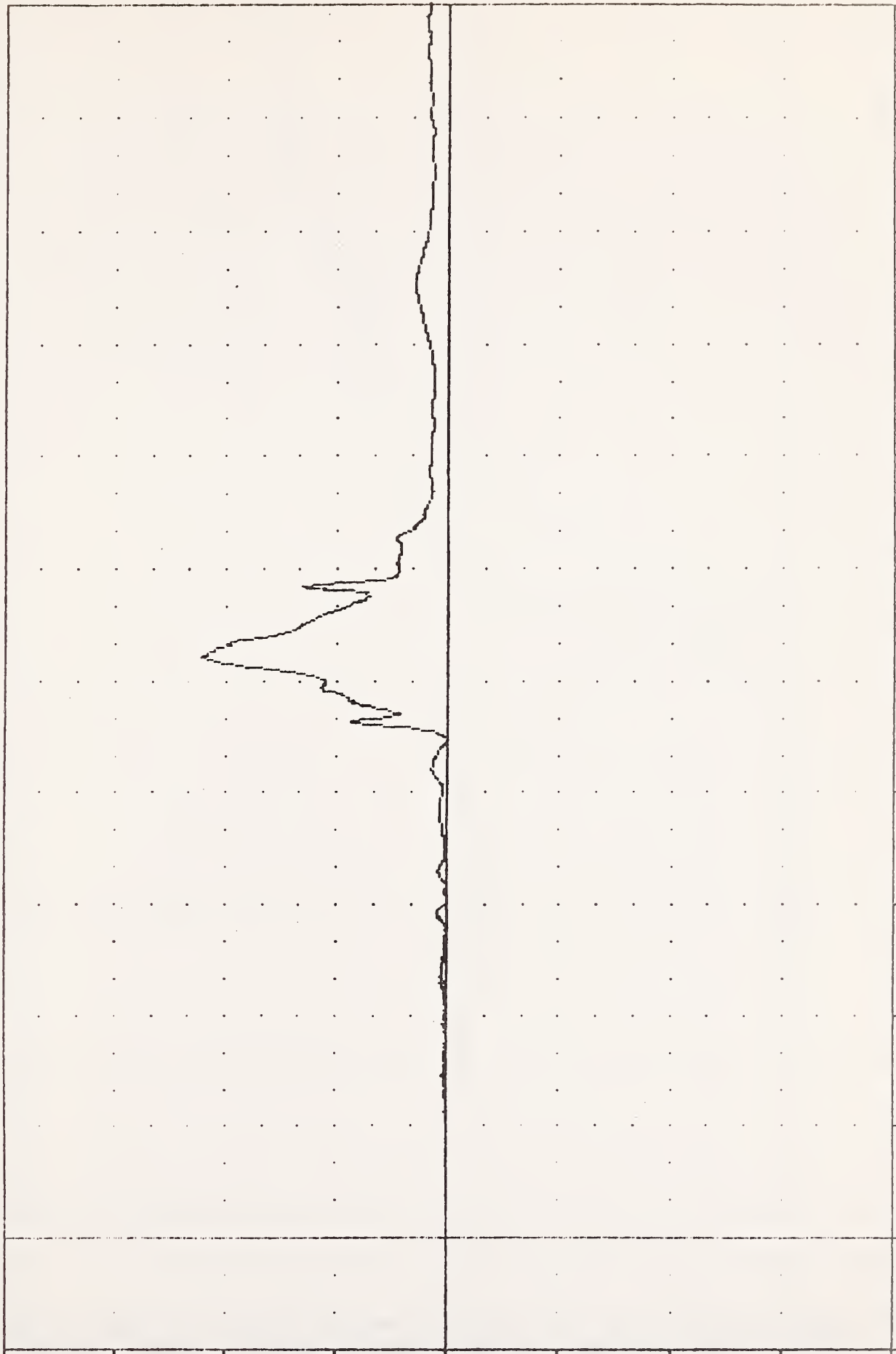
VF10 , RD503-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83326  
HEAD92

PLOT DATE 23-NOV-83 11:15:54

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = 0.01e -19.63, 111.64 e 104.00

ACCELERATION (G)



TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 95TH PERCENTILE

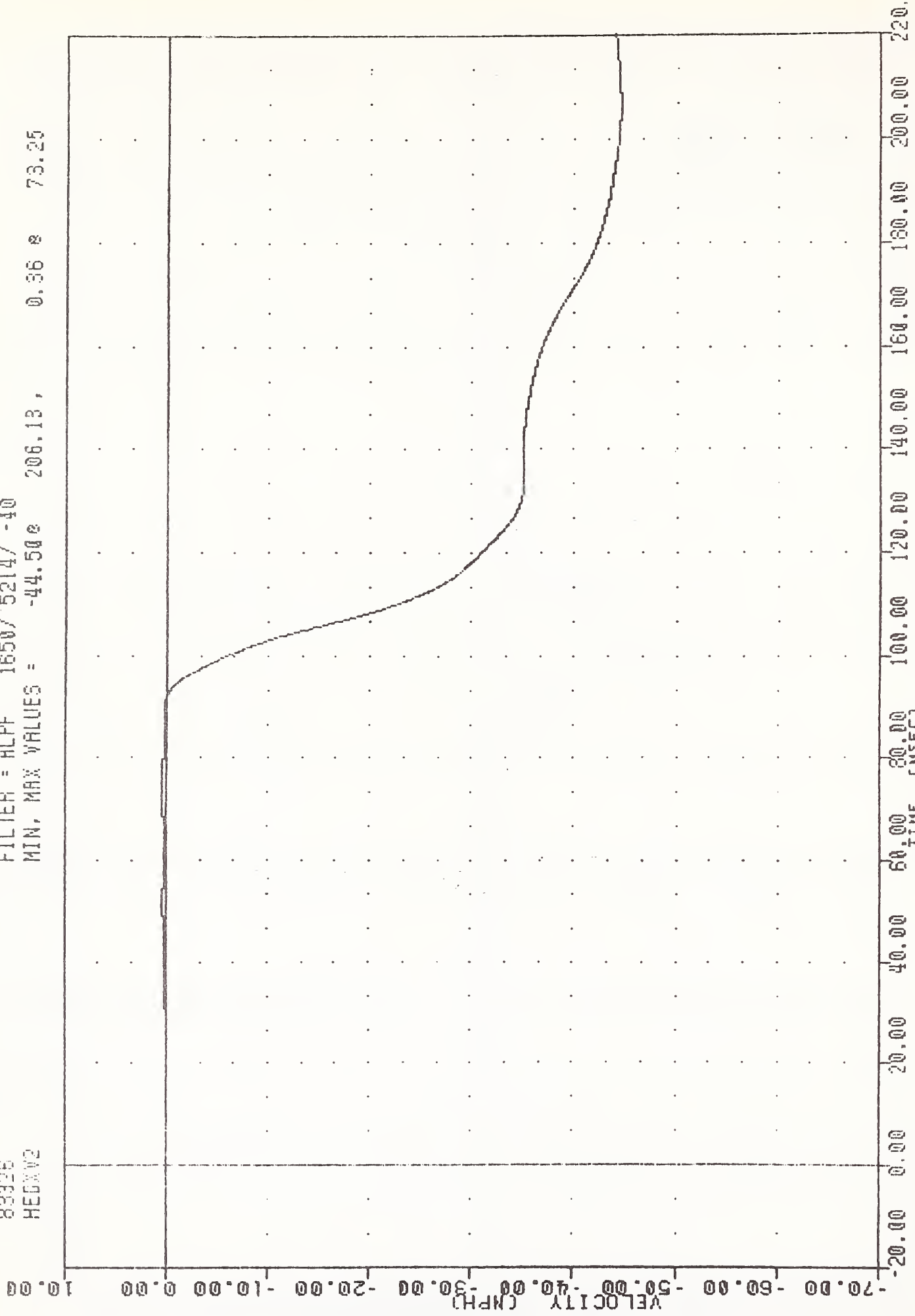


VRTC , RD583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83326  
HEGXV2

PLOT DATE 29-NOV-83 11:15:54

FILTER = ALPF 1650/ 5214/ -40

MIN, MAX VALUES = -44.50e 206.13, 0.36 e 73.25

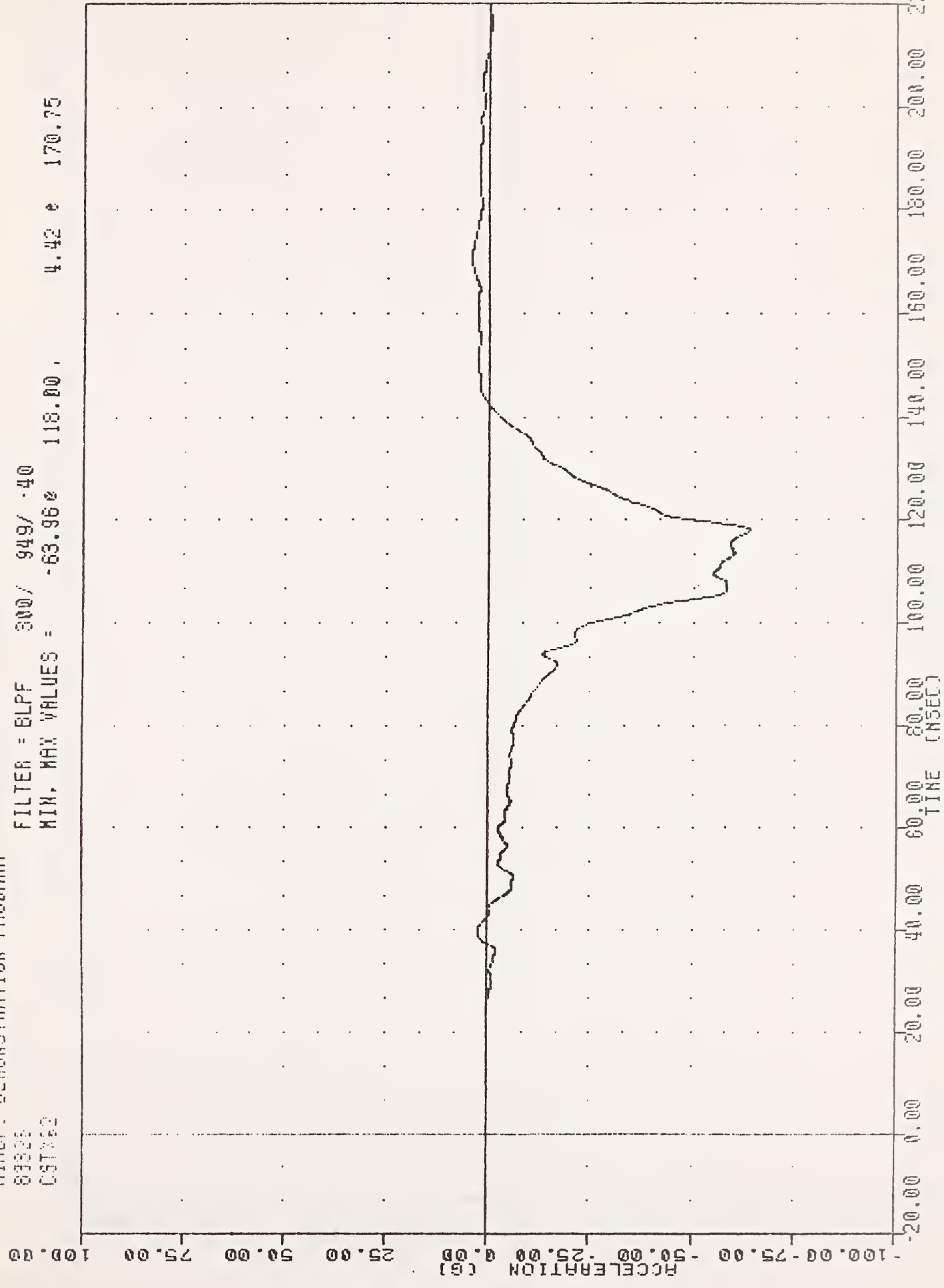


AIRBAG DEMONSTRATION PROGRAM  
HEAD VELOCITY X AXIS 95TH PERCENTILE

WHTC , R0583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83828  
CSTX82

PLOT DATE 23-NOV-83 11:15:54

FILTER = BLPF 300/ 949/ -40  
MIX, MAX VALUES = -63.96e 118.00, 4.42 e 170.75

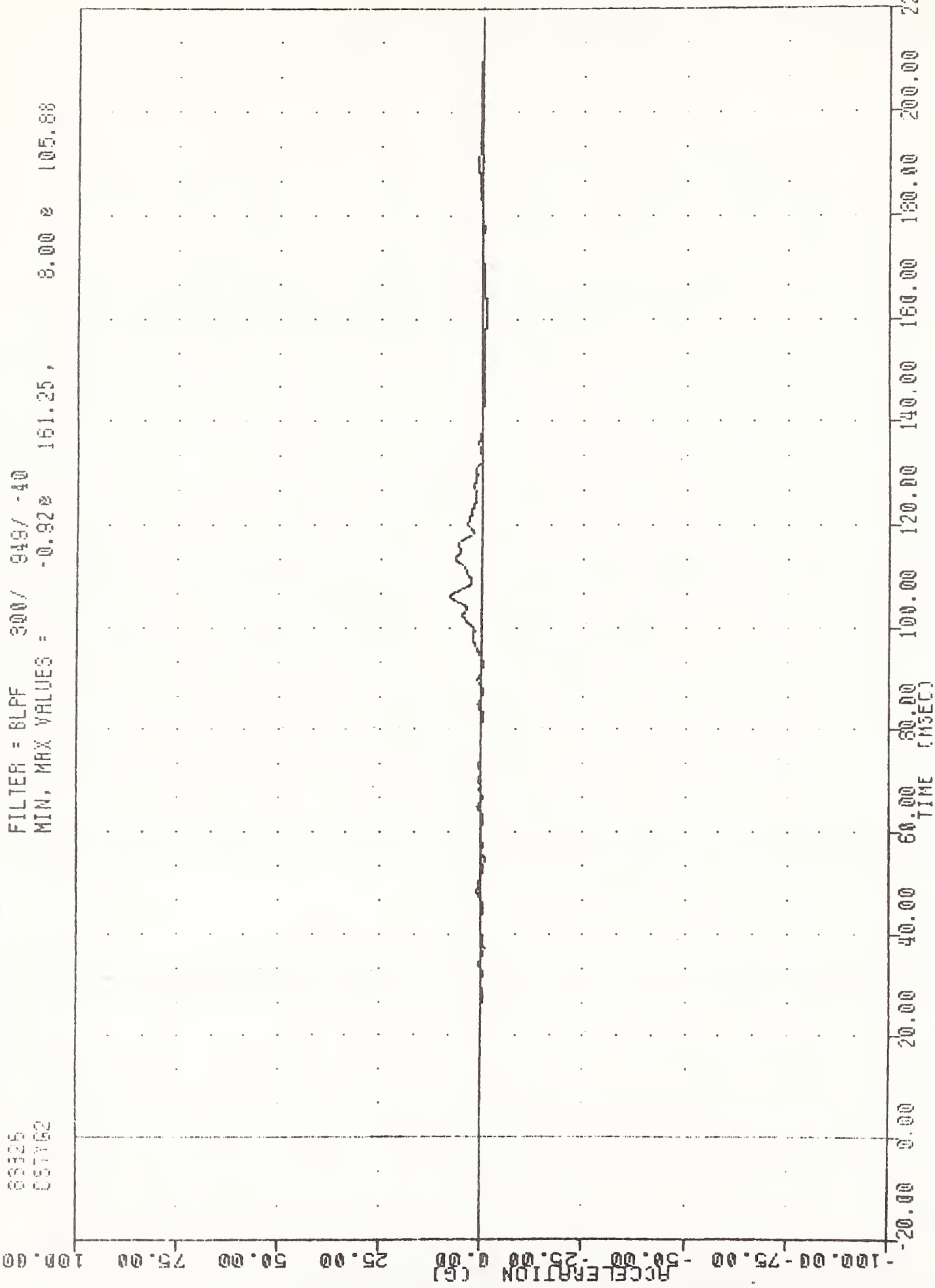


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 95TH PERCENTILE

8670  
AIRBAG DEMONSTRATION PROGRAM  
83325  
057762

PLOT DATE 28-NOV-83 11:15:54

FILTER = 8LPF 300/ 849/ -40  
MIN, MAX VALUES = -0.92e 161.25, 8.00 e 105.88



AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 95TH PERCENTILE

WRTE , AD583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83324  
CST152

PLOT DATE 23-NOV-83 11:15:54

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -38.85e 108.00 , 18.78 e 110.25



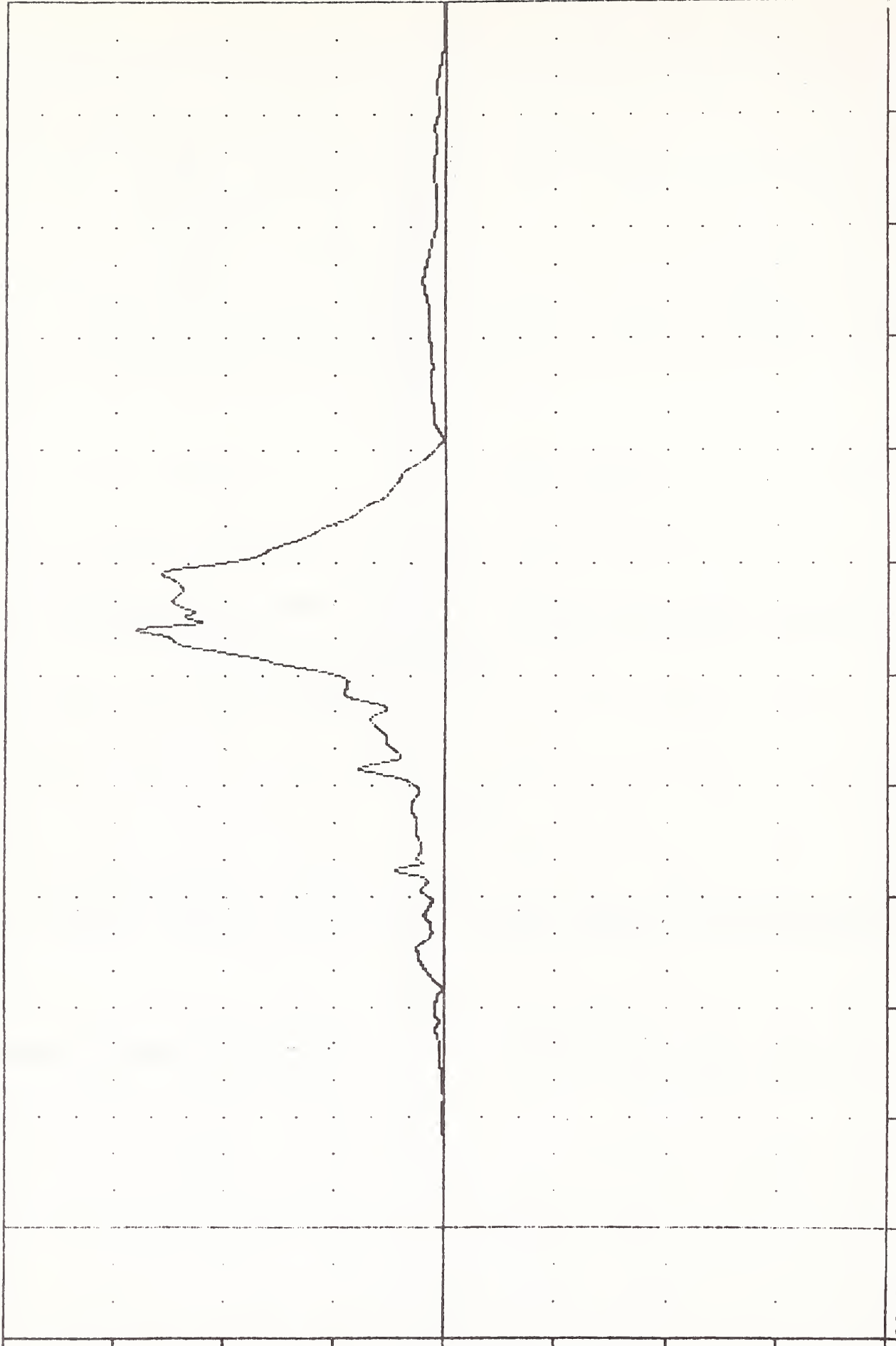
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 95TH PERCENTILE

VERT  
R0588-2-27.  
AIRBAG DEMONSTRATION PROGRAM  
89925  
CSTR62

PLOT DATE 23-NOV-83 11:15:54

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = 0.00E -16.63, 69.93 E 107.88

ACCELERATION (G)



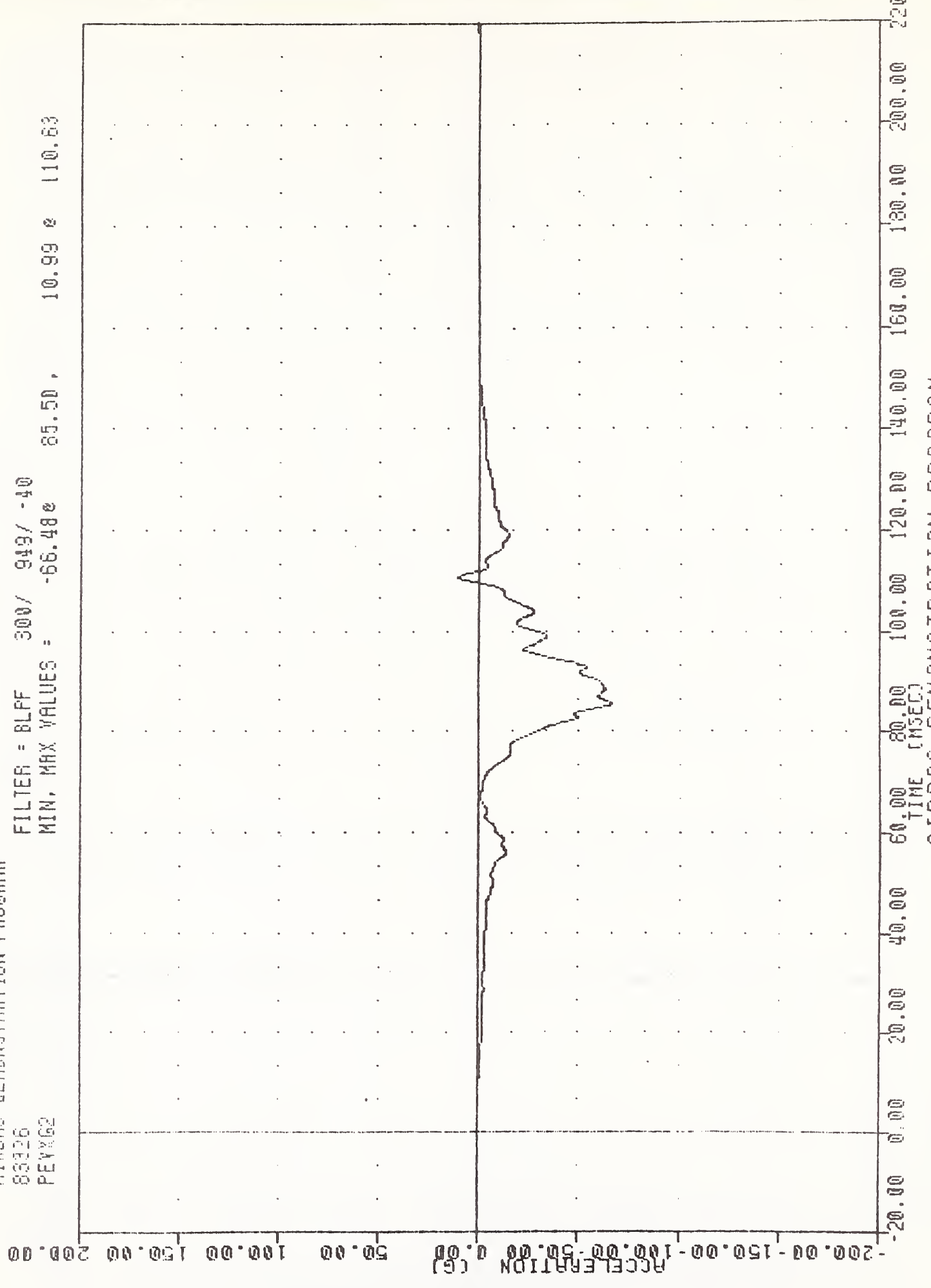
AIRBAG DEMONSTRATION PROGRAM  
FIRST RESONANT AFFILIATION 95TH PERCENTILE



VR7C , RD583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83326  
PEV262

PLOT DATE 23-NOV-83 11:15:54

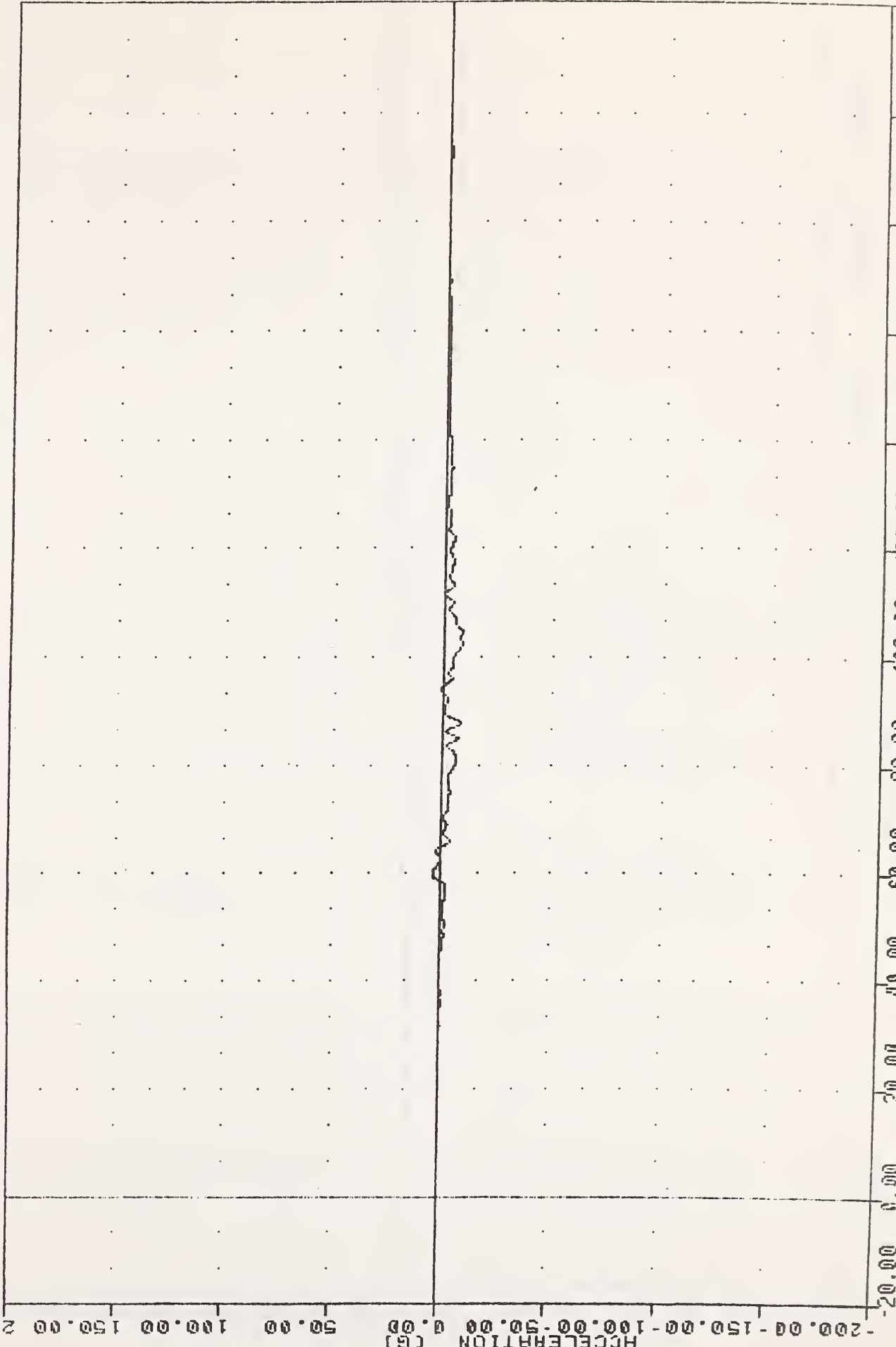
FILTER = BLFF 300/ 949/ -40  
MIN, MAX VALUES = -66.48e 85.50 , 10.99 e 110.63



AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION X AXIS 95TH PERCENTILE



WATC  
 AIRBAG DEMONSTRATION PROGRAM  
 83326  
 PEVY52  
 . RD583-2-27  
 AIRBAG DEMONSTRATION PROGRAM  
 PLOT DATE 23-NOV-83 11:15:54  
 FILTER = 8LPF 300/ 949/ .40  
 MIN, MAX VALUES = -8.12e 102.38, 3.91 e 59.75



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

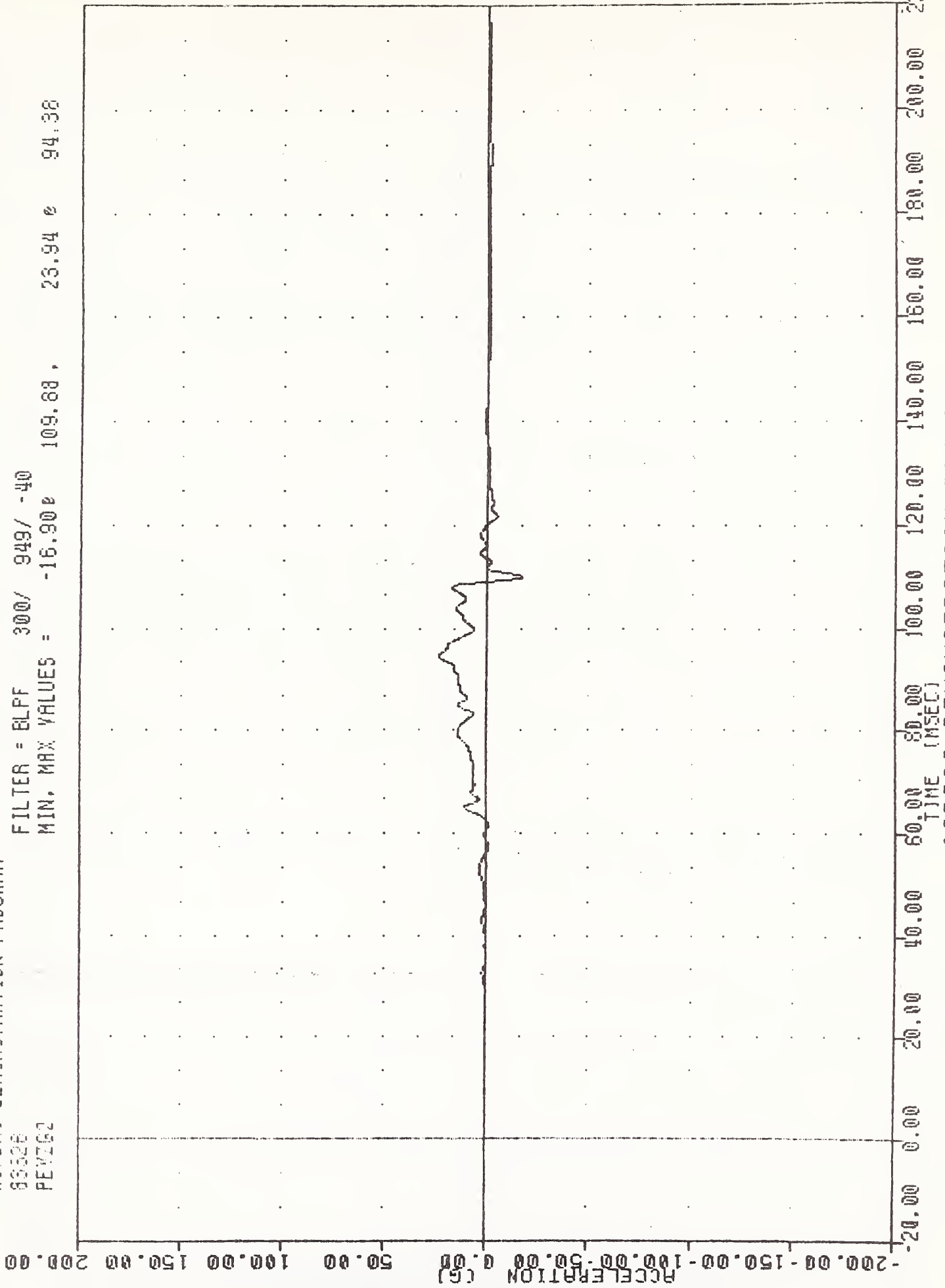
VPTC , R0583-2-27  
AIRBAG DEMONSTRATION PROGRAM

PLOT DATE 23-NOV-83 11:15:54

83526  
PEVZ62

FILTER = BLPF 300/ 949/ -40

MIN, MAX VALUES = -16.90e 109.68, 23.94 e 94.38



AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Z AXIS 95TH PERCENTILE

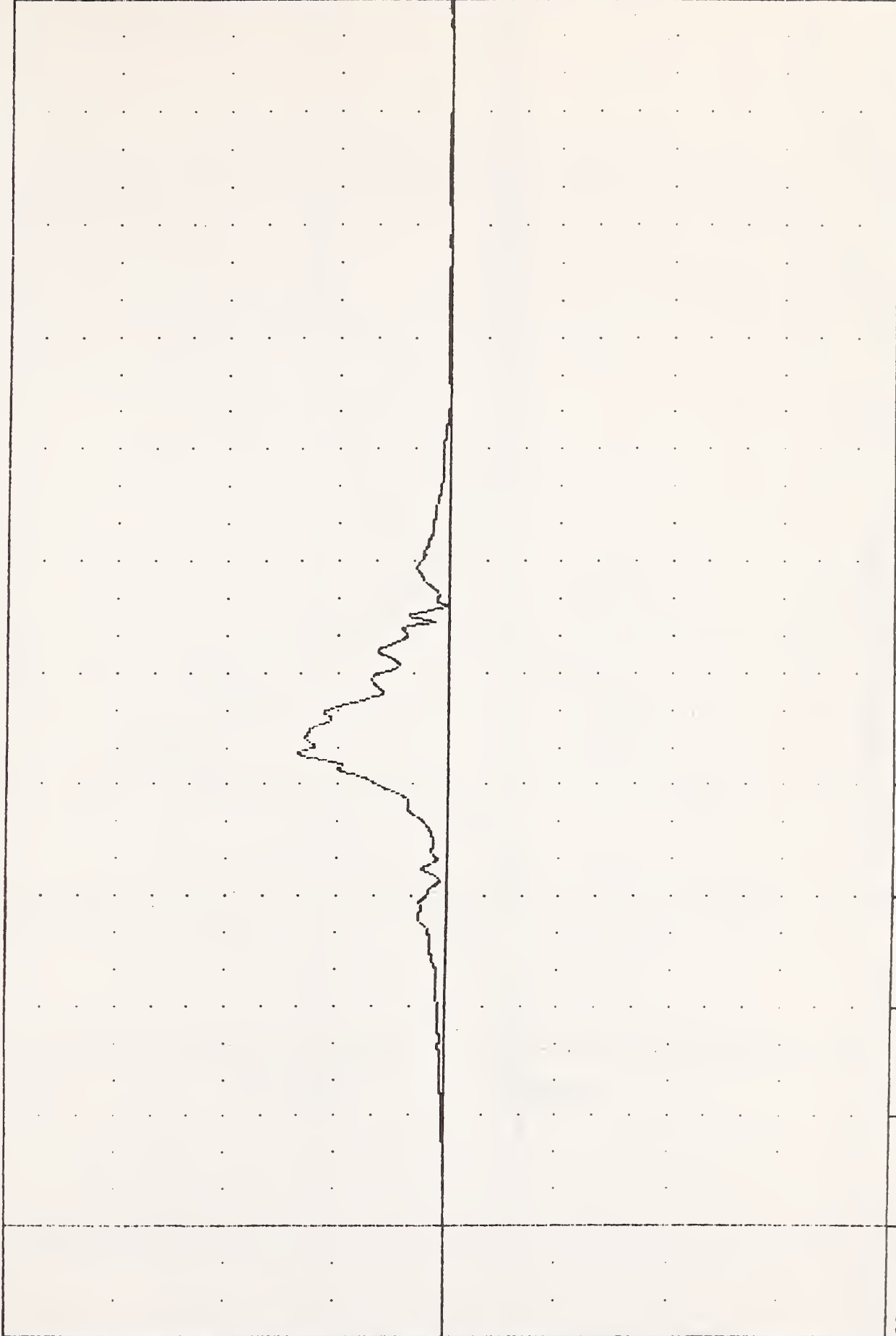
PELVIS ACCELERATION Z AXIS 95TH PERCENTILE

WRTC , AD583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
S3326  
PEVR62

PLOT DATE 23-NOV-83 11:15:54

FILTER = 8LFF 300/ 949/ -40  
MIN. MAX VALUES = 0.01e -14.75, 67.79 e 85.38

ACCELERATION (G)



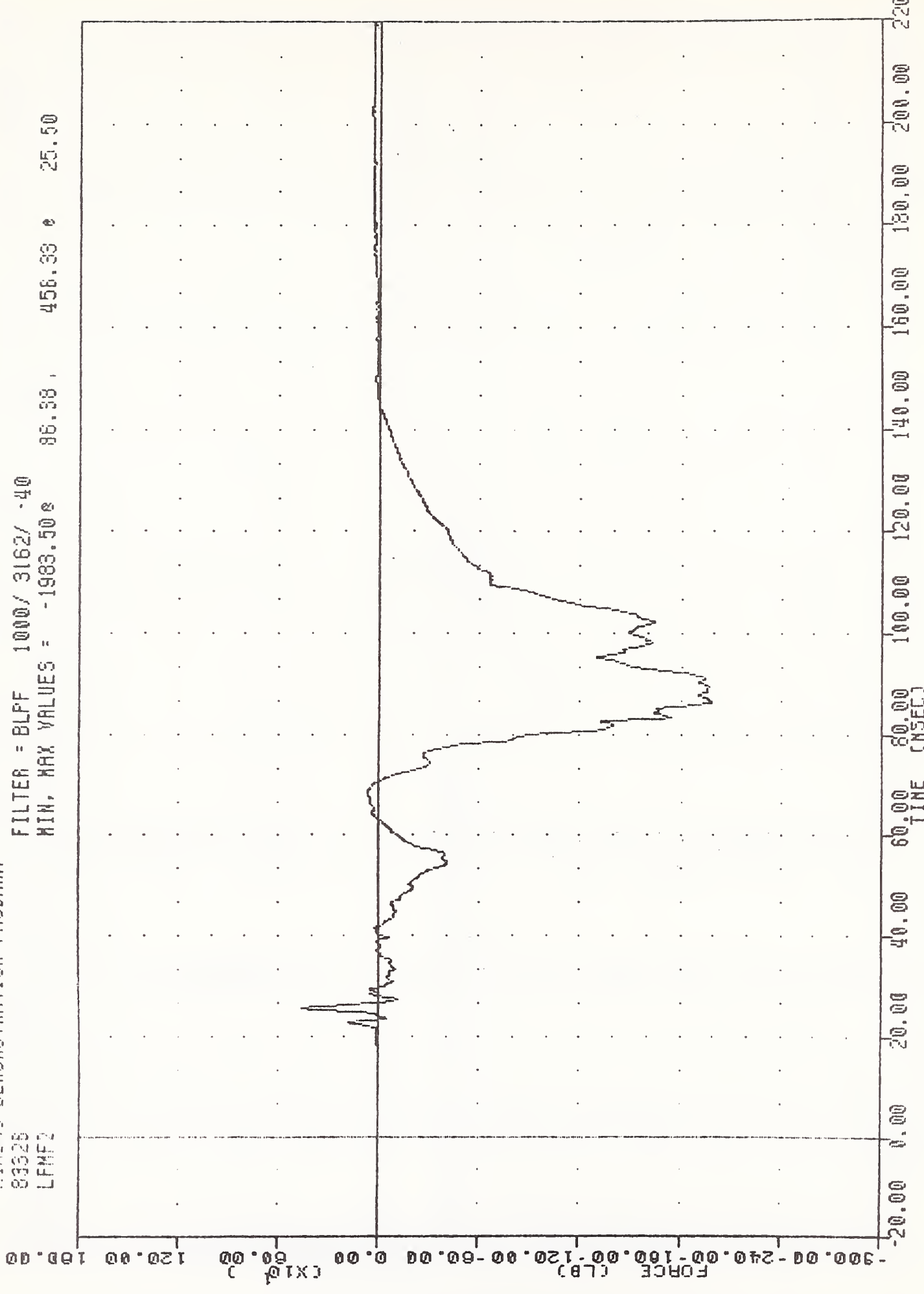
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESIDUANT ACCELERATION 95TH PERCENTILE

VATIC , RD583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83525  
LFMF2

PLOT DATE 23-NOV-83 11:15:54

FILTER = BLPF 1000/ 3162/ -40  
MIN, MAX VALUES = -1983.50 86.38 , 456.39 25.50

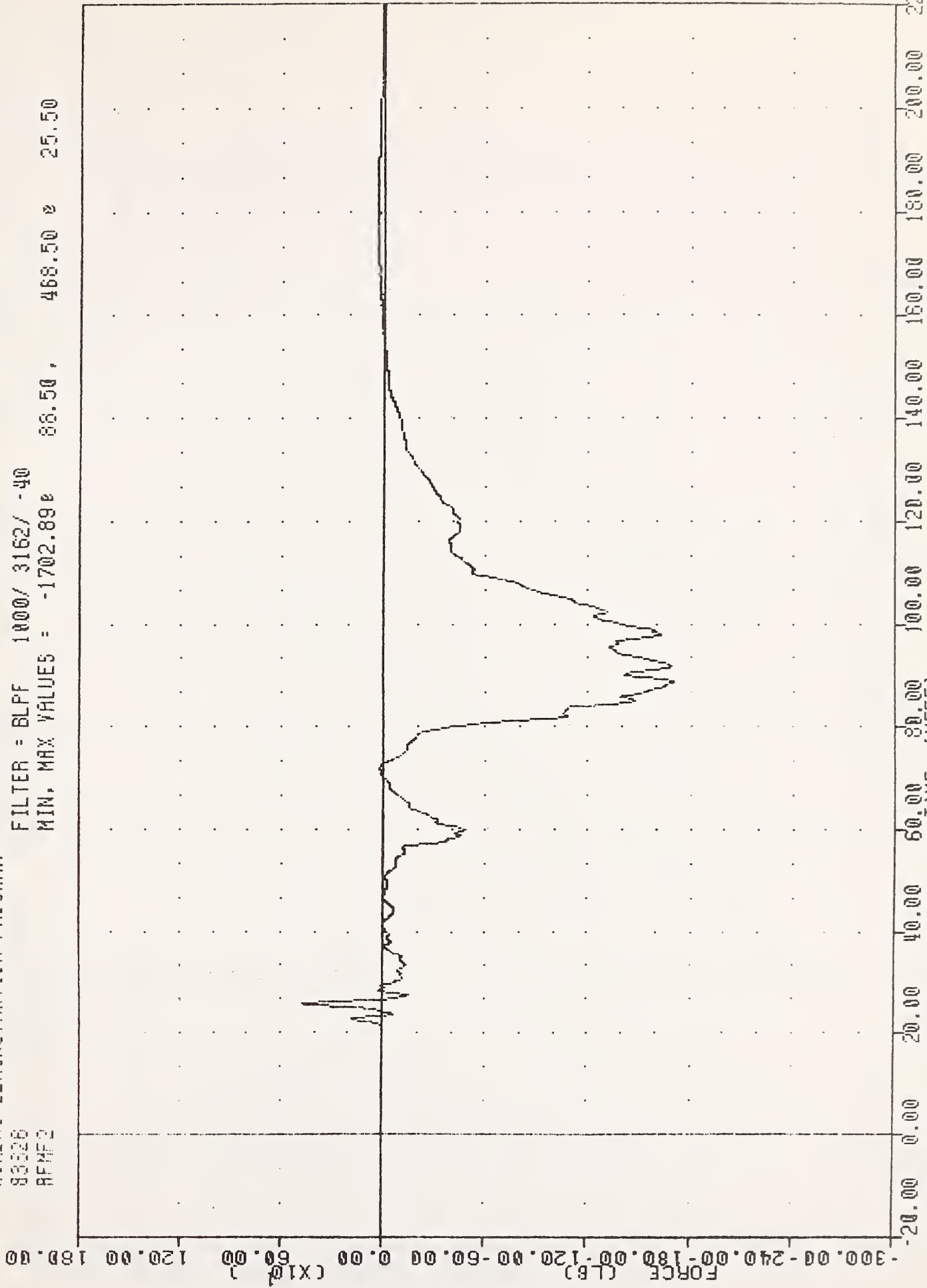


AIRBAG DEMONSTRATION PROGRAM  
LEFT FEMUR FORCE IN LBS 95TH PERCENTILE

VRIC  
AIRBAG DEMONSTRATION PROGRAM  
83526  
RPMF2

PLOT DATE 23-NOV-83 11:15:54

FILTER = BLPF 1000/ 3162/ -40  
MIN. MAX VALUES = -1702.89e 86.50, 468.50 e 25.50



AIRBAG DEMONSTRATION PROGRAM  
RIGHT FEMUR FORCE IN LBS 95TH PERCENTILE

VATE , R0583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83325  
SLOX6C

PLOT DATE 23-NOV-83 11:15:54

FILTER = BLFF 100/ 316/ .40  
MIN, MAX VALUES = -0.69e 135.63, 21.16 e 56.50

95.00

30.00

25.00

20.00

15.00

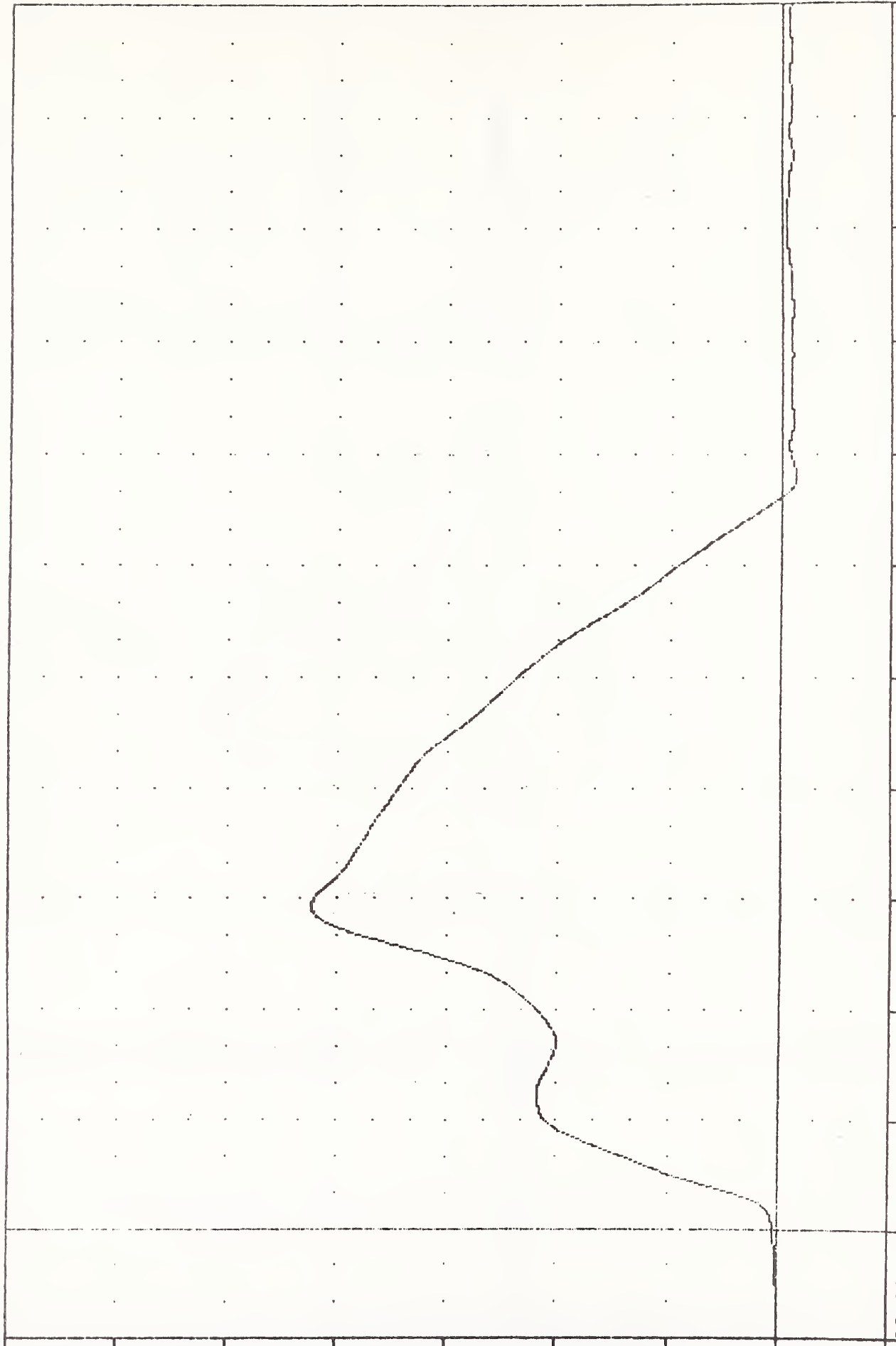
10.00

5.00

0.00

-5.00

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

TIME (MSEC)

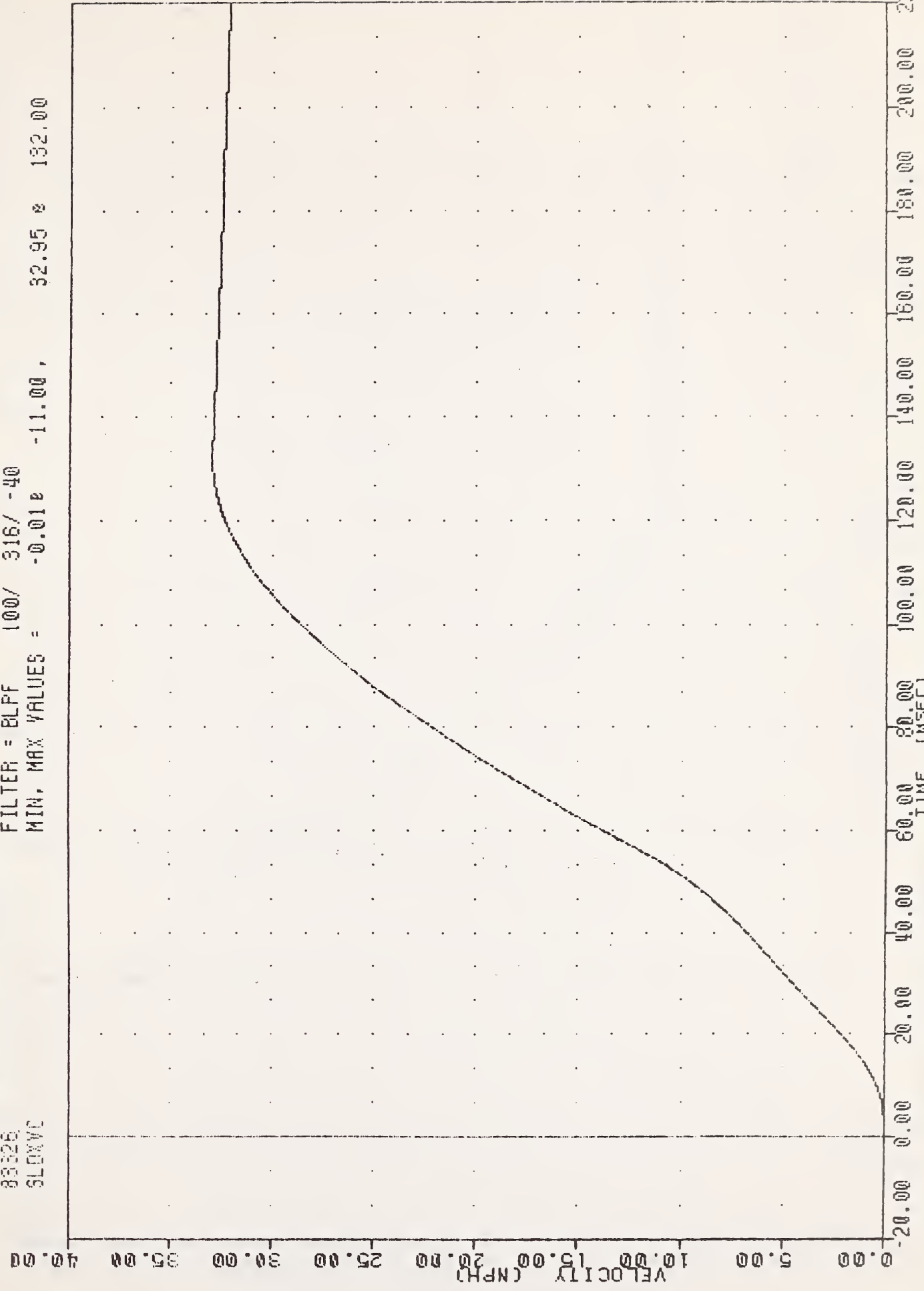
AIRBAG DEMONSTRATION PROGRAM  
SIFD ACCELERATION



VRTC , 80583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83328  
SLOWVC

PLOT DATE 23-NOV-83 11:15:54

FILTER = BLPF 100/ 316/ -40  
MIN, MAX VALUES = -0.018 -11.00 , 32.95 @ 132.00



AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SIFID VELOCITY



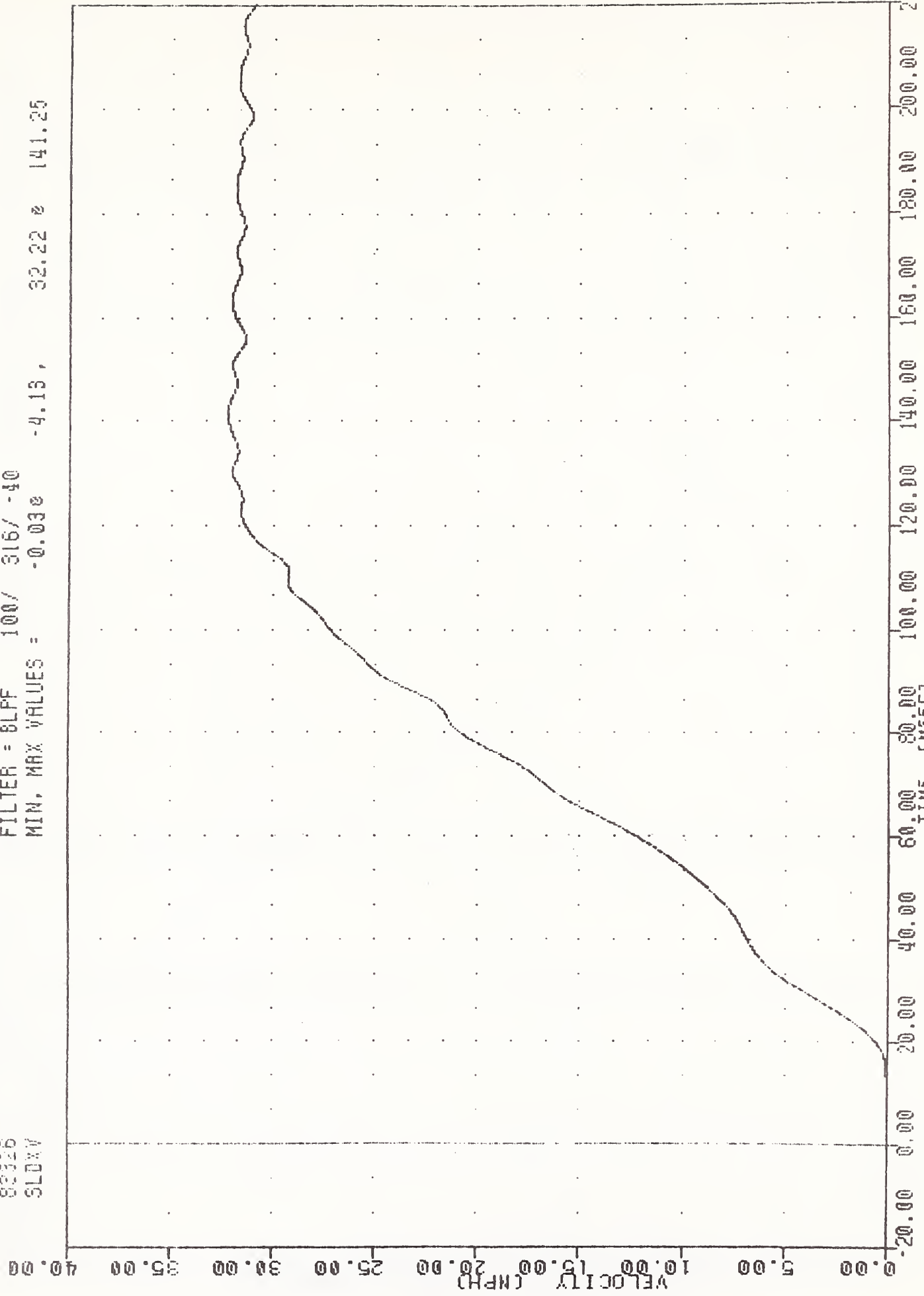
V57C , RD583-2-27  
AIRBAG DEMONSTRATION PROGRAM

PLOT DATE 23-NOV-83 11:15:54

83325  
SLOWV

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -0.030 -4.13, 32.22 141.25



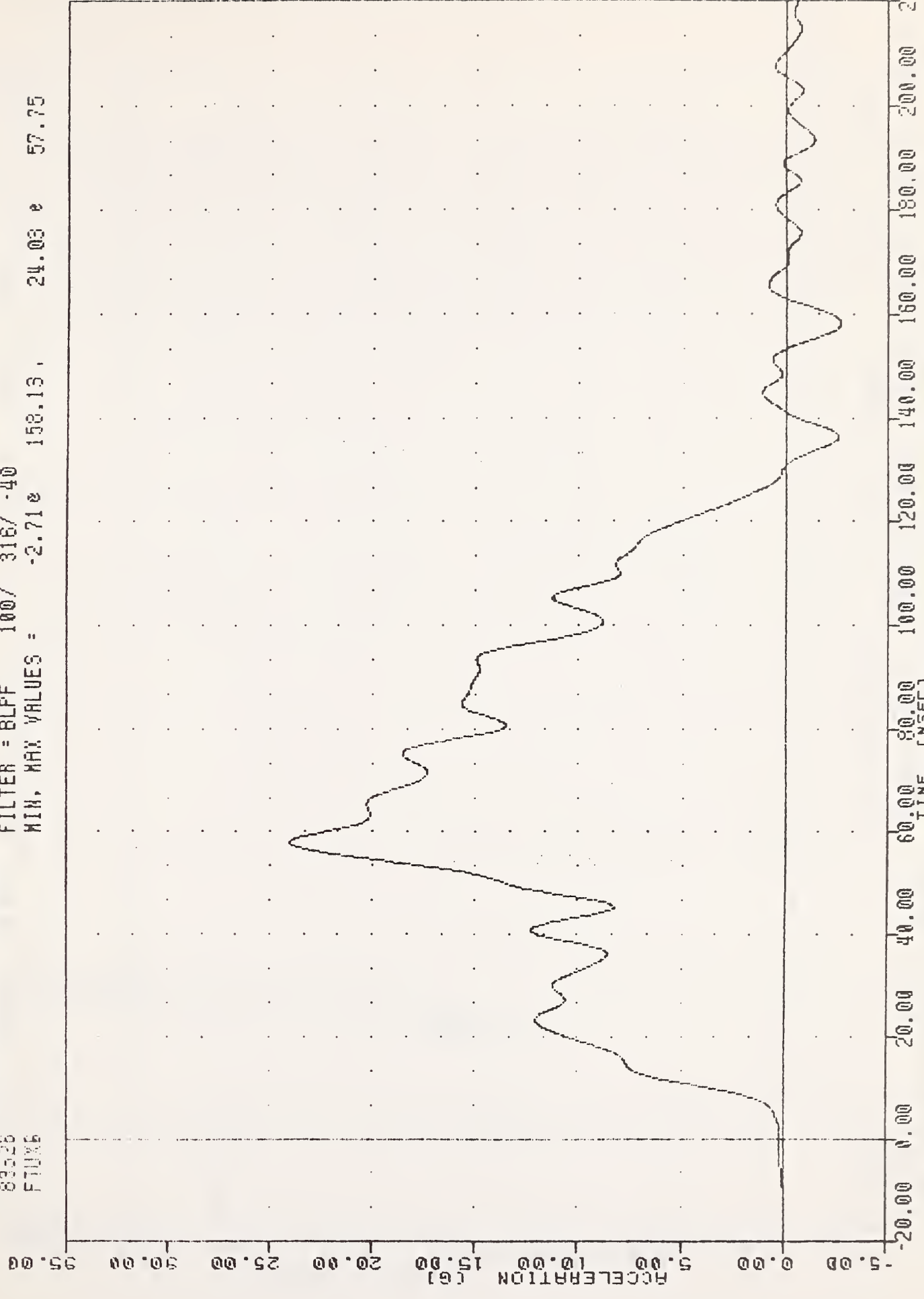
AIRBAG DEMONSTRATION PROGRAM  
SLOW VELOCITY

DATE , RD588-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83526  
FLUX6

PLOT DATE 23-NOV-88 11:15:54

FILTER = BLPF 100/ 316/ -40

MIN, MAX VALUES = -2.71e 158.13, 24.03 e 57.75



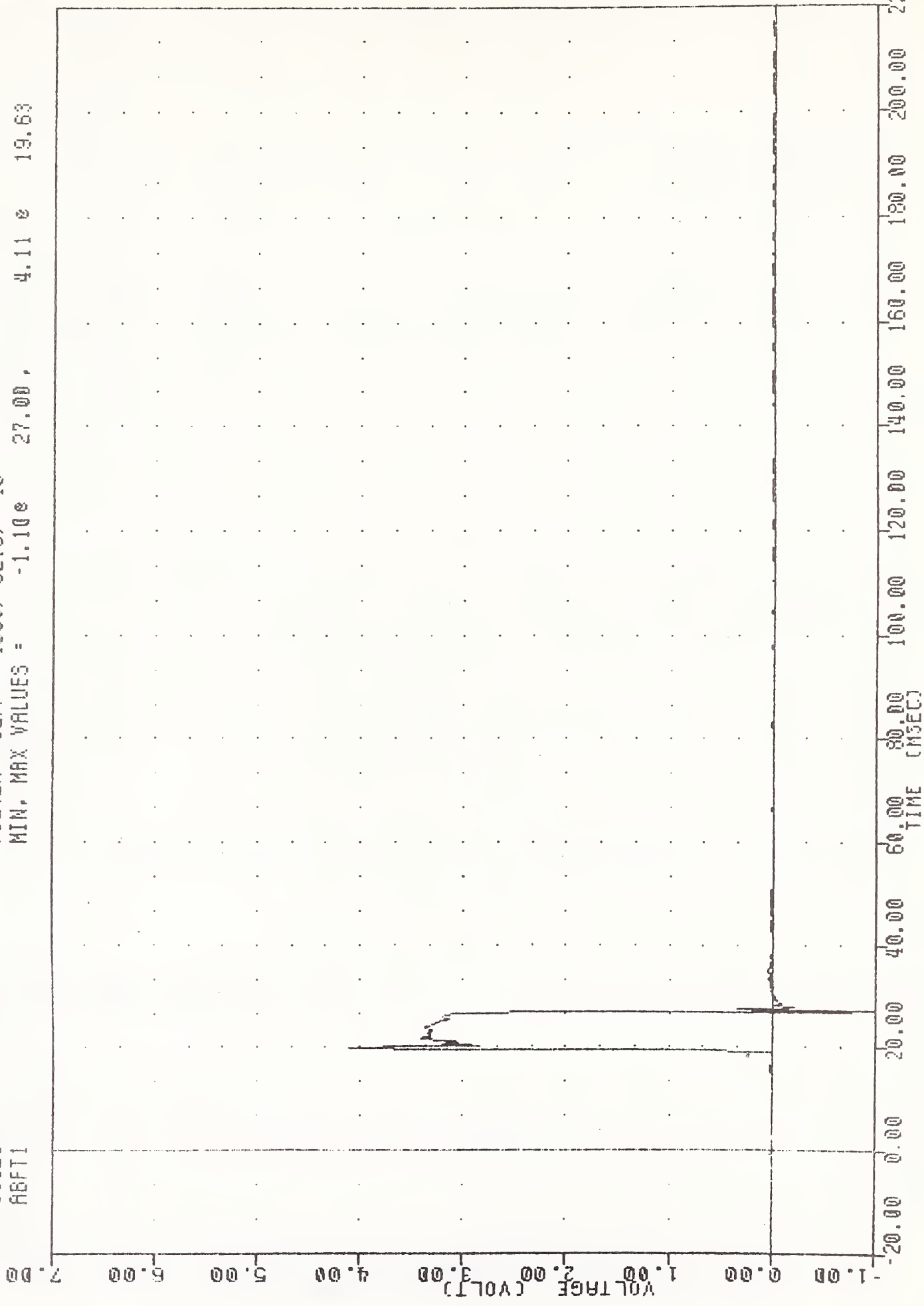
AIRBAG DEMONSTRATION PROGRAM  
FLORR PAN TUNNEL ACCELERATION

VRTC , R0583-2-27  
AIRBAG DEMONSTRATION PROGRAM  
83326  
ABFT1

PLOT DATE 23-NOV-83 11:15:54

FILTER = BLFF 1650/ 5218/ -40

MIN, MAX VALUES = -1.10e 27.00, 4.11 e 19.63

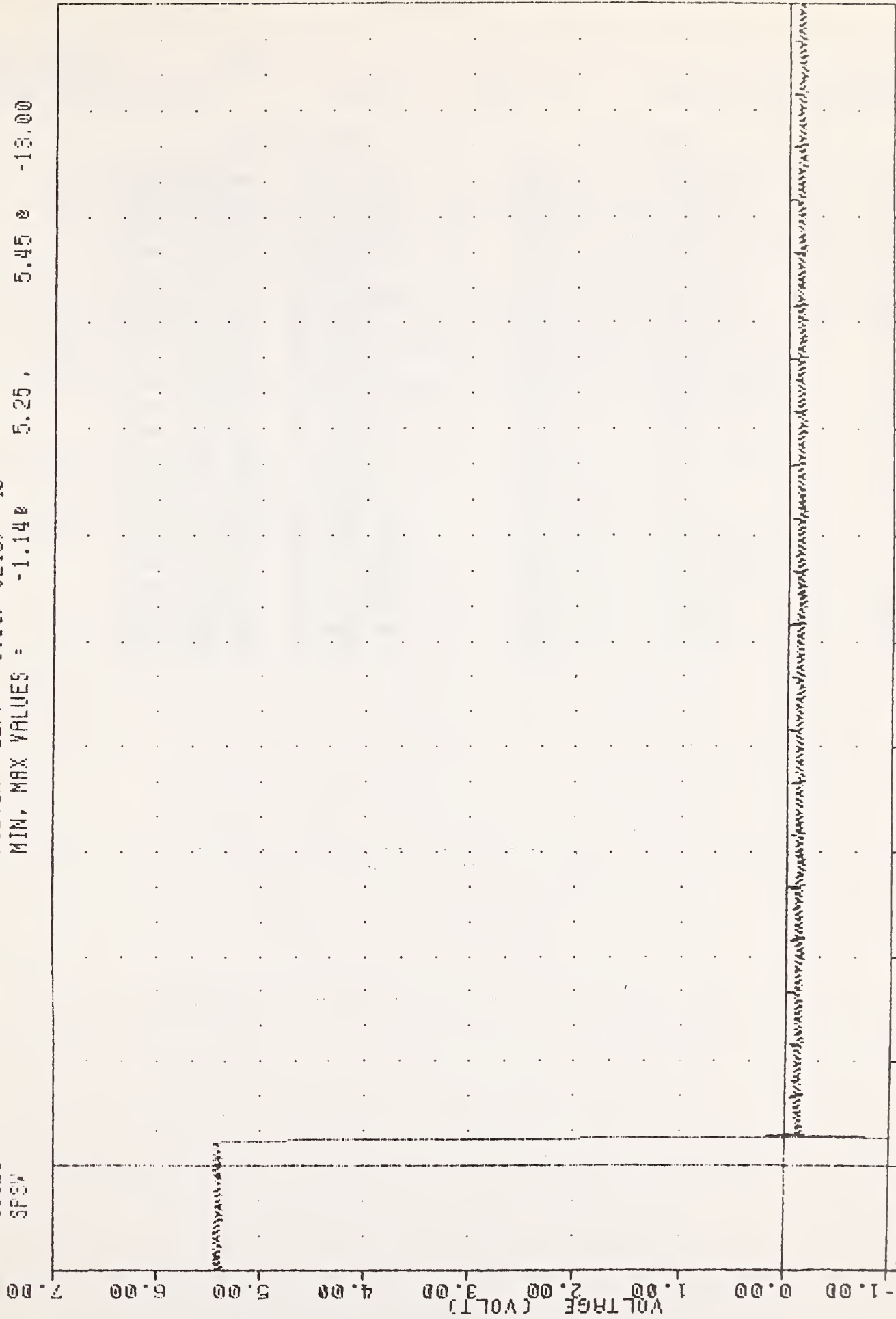


AIRBAG DEMONSTRATION PROGRAM  
AIR BAG FIRING EVENT 95TH PERCENTILE

WRTC  
 AIRBAG DEMONSTRATION PROGRAM  
 8332E  
 SP5W

PLOT DATE 23-NOV-83 11:15:54

FILTER = BLPF 1650/ 5218/ -40  
 MIN. MAX VALUES = -1.14e 5.25, 5.45 e -13.00



AIRBAG DEMONSTRATION PROGRAM  
 SLED POSITION SWITCH

		Min value		Max value			Uni
1	SPSW	-1.120	@ 5.250	5.448	@ -19.250	msec	volt
2	SLDXGC	-0.646	@ 162.750	21.119	@ 58.625	msec	g
3	SLDXVC	-0.013	@ -11.125	33.371	@ 132.125	msec	mph
4	SLDXV	-0.035	@ -5.000	32.627	@ 140.750	msec	mph
5	FTUXG	-1.743	@ 136.375	22.592	@ 57.000	msec	g
6	ABFT1	-0.869	@ 26.750	4.131	@ 19.500	msec	volt
7	HEDXG3	-49.626	@ 90.250	8.640	@ 157.875	msec	g
8	HEDXV3	-41.470	@ 129.750	0.245	@ 29.750	msec	mph
9	HEDYG3	-2.548	@ 181.500	4.048	@ 93.500	msec	g
0	HEDZG3	-16.587	@ 88.750	1.512	@ 38.000	msec	g
1	CSTXG3	-37.829	@ 82.500	5.199	@ 189.000	msec	g
2	CSTXV3	-35.653	@ 165.875	0.001	@ 19.875	msec	mph
3	CSTYG3	-16.680	@ 61.125	6.911	@ 63.250	msec	g
4	CSTZG3	-16.064	@ 76.250	3.422	@ 190.250	msec	g
5	PEVXG3	-26.470	@ 68.000	3.743	@ 255.750	msec	g
6	PEVYG3	-5.776	@ 96.500	6.347	@ 65.250	msec	g
7	PEVZG3	-3.292	@ 225.875	19.769	@ 92.500	msec	g
8	LFMF3	-112.903	@ 30.625	436.085	@ 25.750	msec	lb
9	RFMF3	-107.926	@ 30.500	475.179	@ 25.750	msec	lb
0	SHBF3	-14.840	@ 150.625	923.110	@ 90.625	msec	lb
1	HEDRG3	0.010	@ -24.875	52.019	@ 90.250	msec	g
2	CSTRG3	0.004	@ -20.750	40.634	@ 82.250	msec	g
3	PEVRG3	0.006	@ -24.625	29.038	@ 94.250	msec	g

\* \* \* HIC computation for TRC240I 28-NOV-83 15:51:38

HEDRG3          VRTC          RD583-2-28 83332          AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec          Peak accel = 52.02 @ 90.250

HIC = 338.42          Interval from 73.250 [ 787] to 105.750 [1047]

HIC = 230.55          Interval from 81.875 [ 856] to 96.875 [ 976]

Elapsed time = 11.22 sec

Enter channel [,stop time] -->EXIT

Enter input filespec -->EXIT

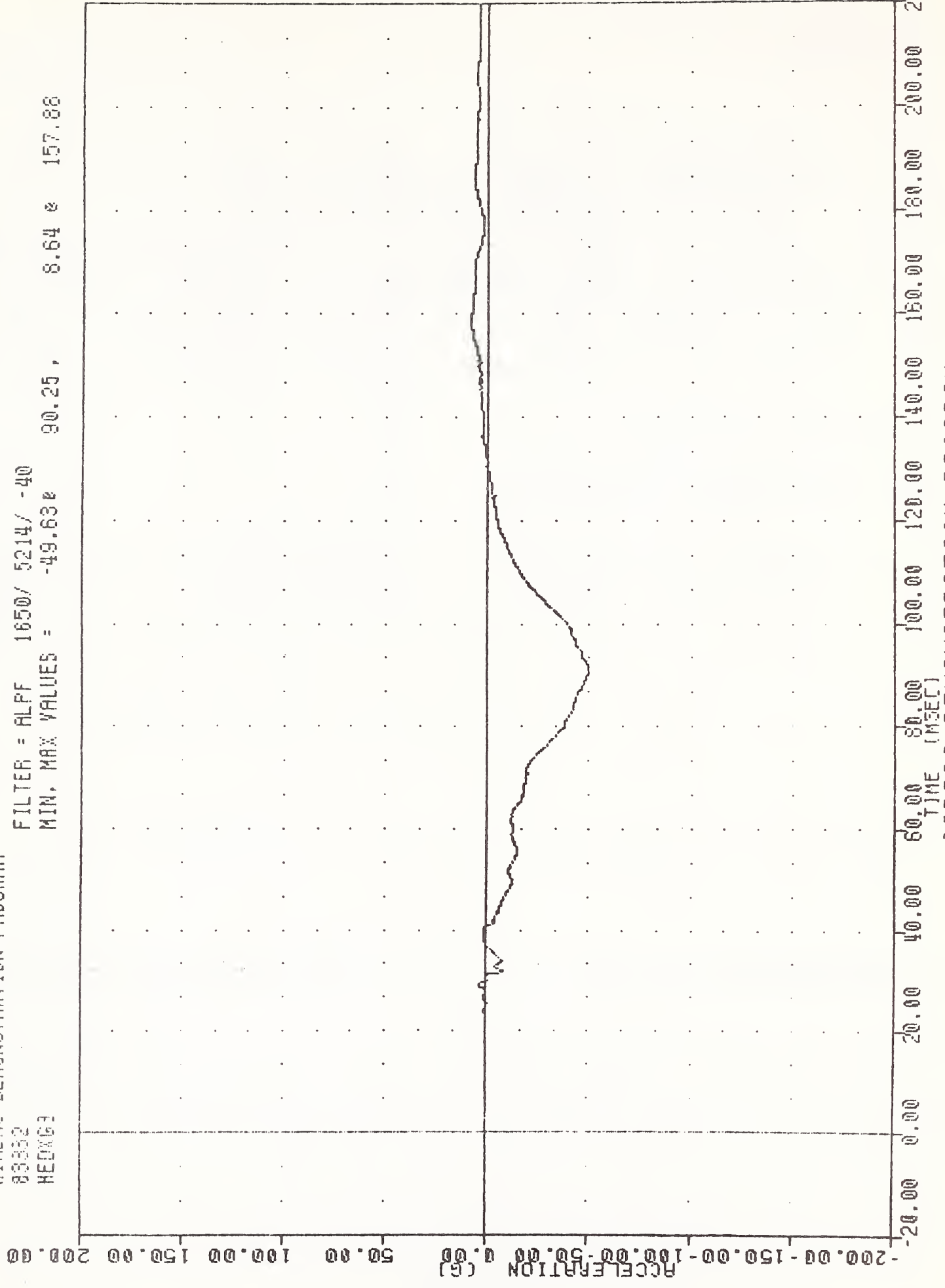
\$

VRTC , RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83332  
HEADCG3

PLOT DATE 28-NOV-83 15:41:10

FILTER = ALPF 1650/ 5214/ -40

MIN. MAX VALUES = -49.63g 90.25 , 8.64 g 157.86



AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION X AXIS 5TH PERCENTILE

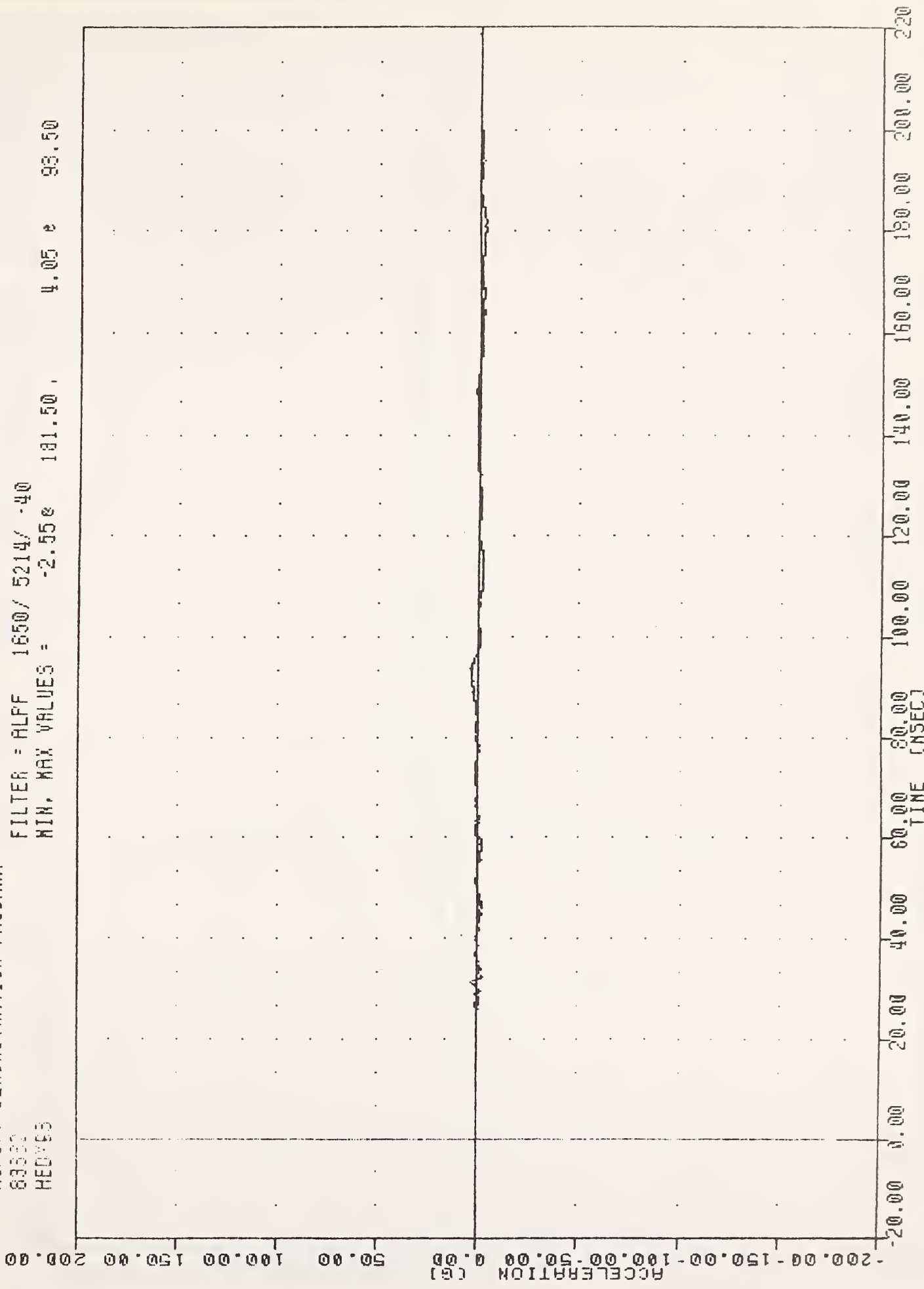


WRTC , RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83332  
MEDYES

PLOT DATE 28-NOV-83 15:41:10

FILTER = ALFF 1650/ 5214/ -40

MIN, MAX VALUES = -2.55e 4.05 e 93.50



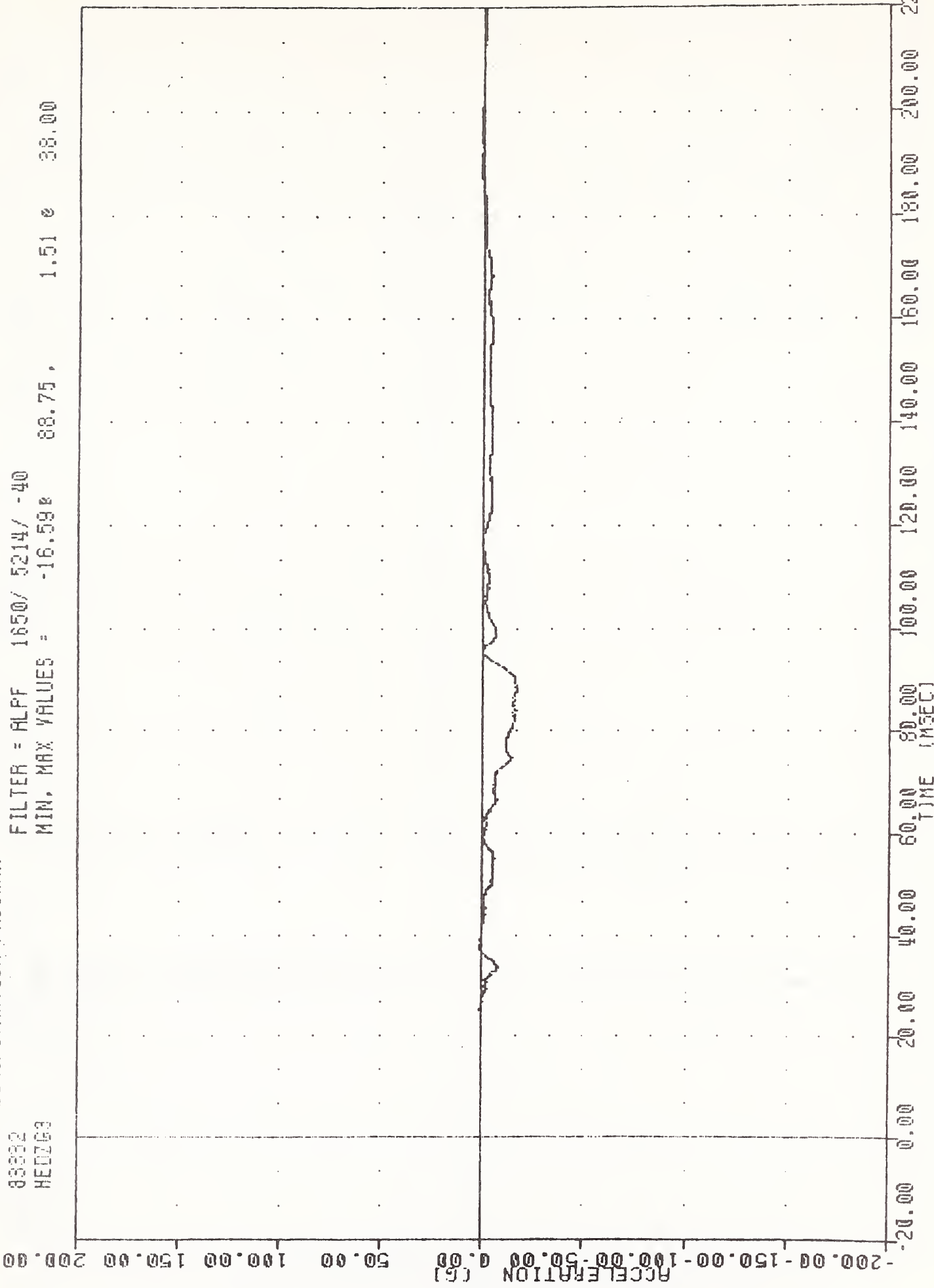
AIRBAG DEMONSTRATION PROGRAM

HEAD ACCELERATION Y AXIS 5TH PERCENTILE

WATE , R0583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83332  
HEADZ63

PLOT DATE 28-NOV-83 15:41:10

FILTER = ALPF 1650/ 5214/ -40  
MIN, MAX VALUES = -16.59g 88.75, 1.51g 38.00



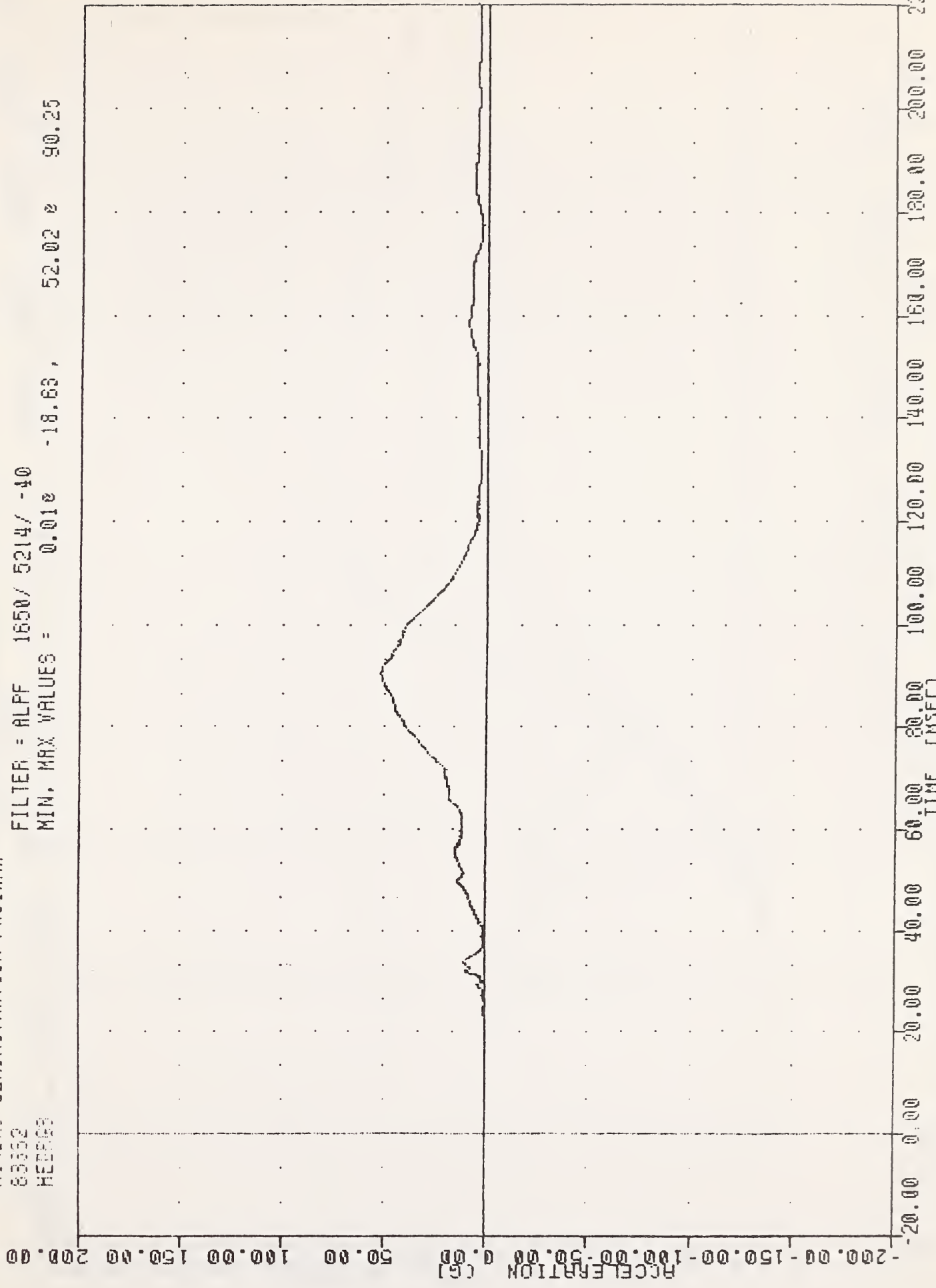
AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION Z AXIS 5TH PERCENTILE

MEMO RECEPTION 2 AXIS 3TH CENTRICAL

DATE: RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83552  
HEAD583

PLOT DATE 28-NOV-83 15:41:10

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = 0.01e -18.63, 52.02 e 90.25

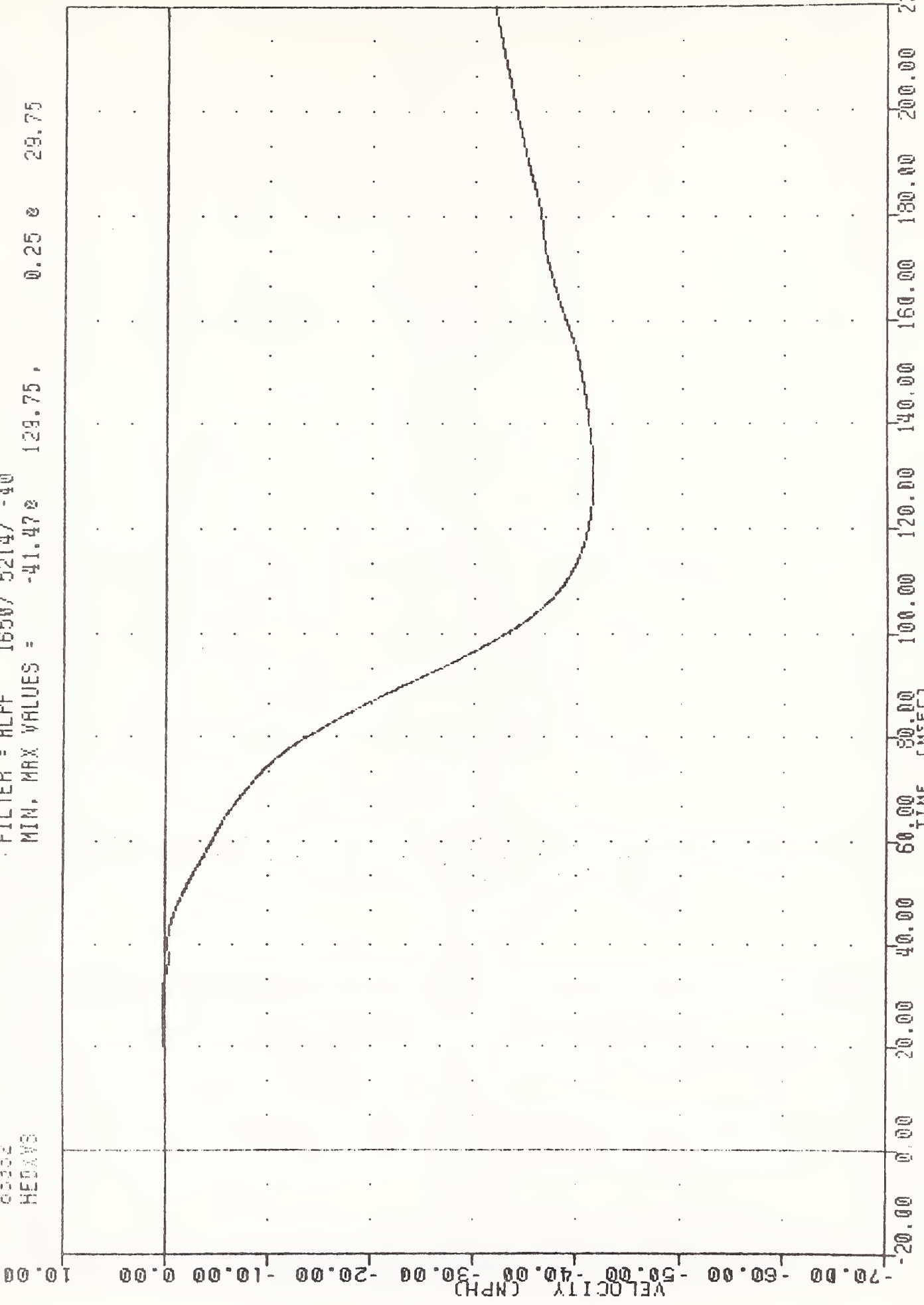


AIRBAG DEMONSTRATION PROGRAM  
HEAD RESULTANT ACCELERATION 5TH PERCENTILE

VSTC , R0583-2-28  
 AIRBAG DEMONSTRATION PROGRAM  
 66332  
 HEADXS

PLOT DATE 28-NOV-83 15:41:10

FILTER = ALPF 1650/ 5214/ -40  
 MIN. MAX VALUES = -41.47e 129.75 , 0.25 e 29.75

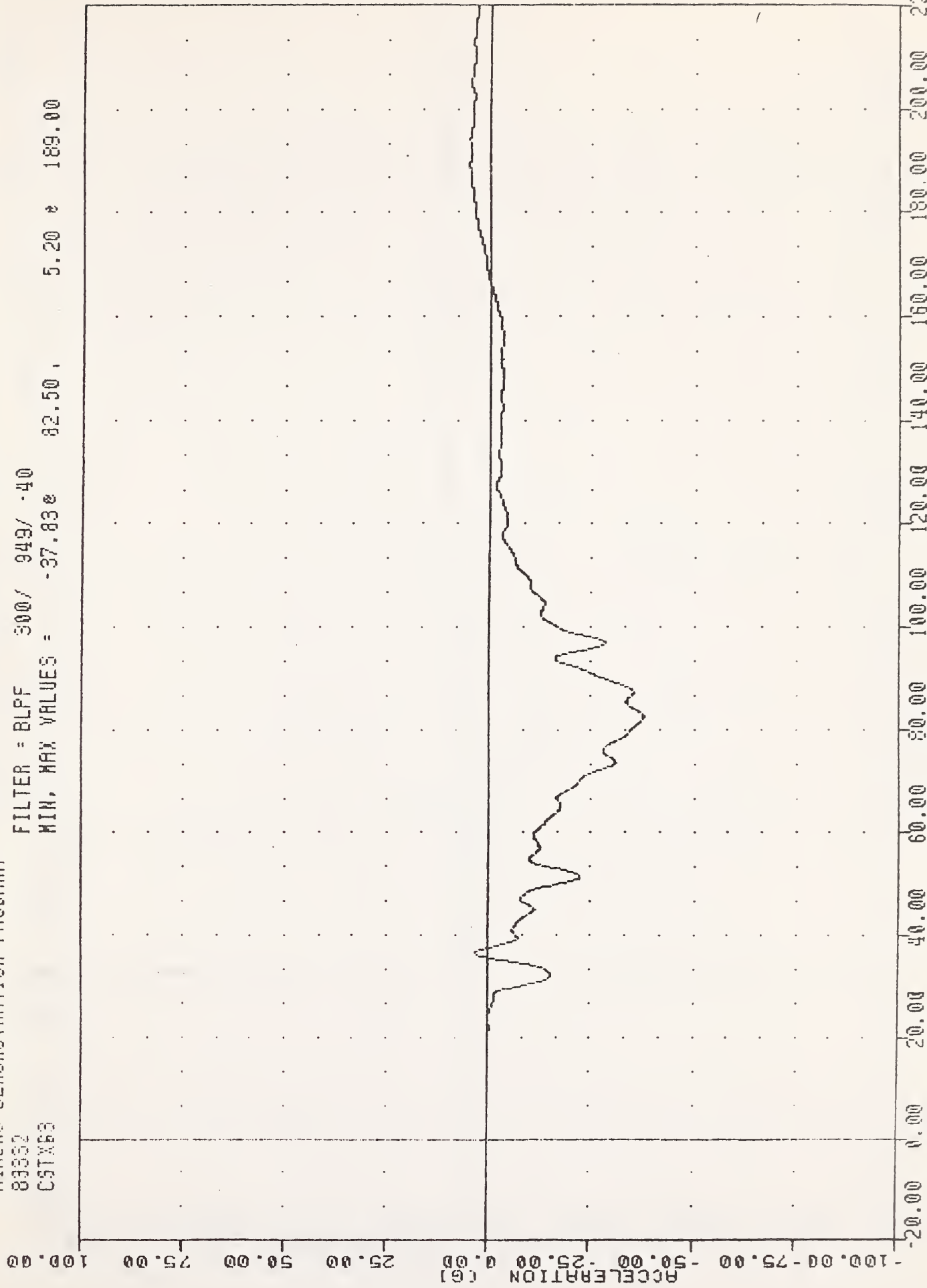


AIRBAG DEMONSTRATION PROGRAM  
 HEAD VELOCITY X AXIS 5TH PERCENTILE

VATIC , RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83352  
CSTX69

PLOT DATE 28-NOV-83 15:41:10

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -37.83e 82.50, 5.20 e 189.00

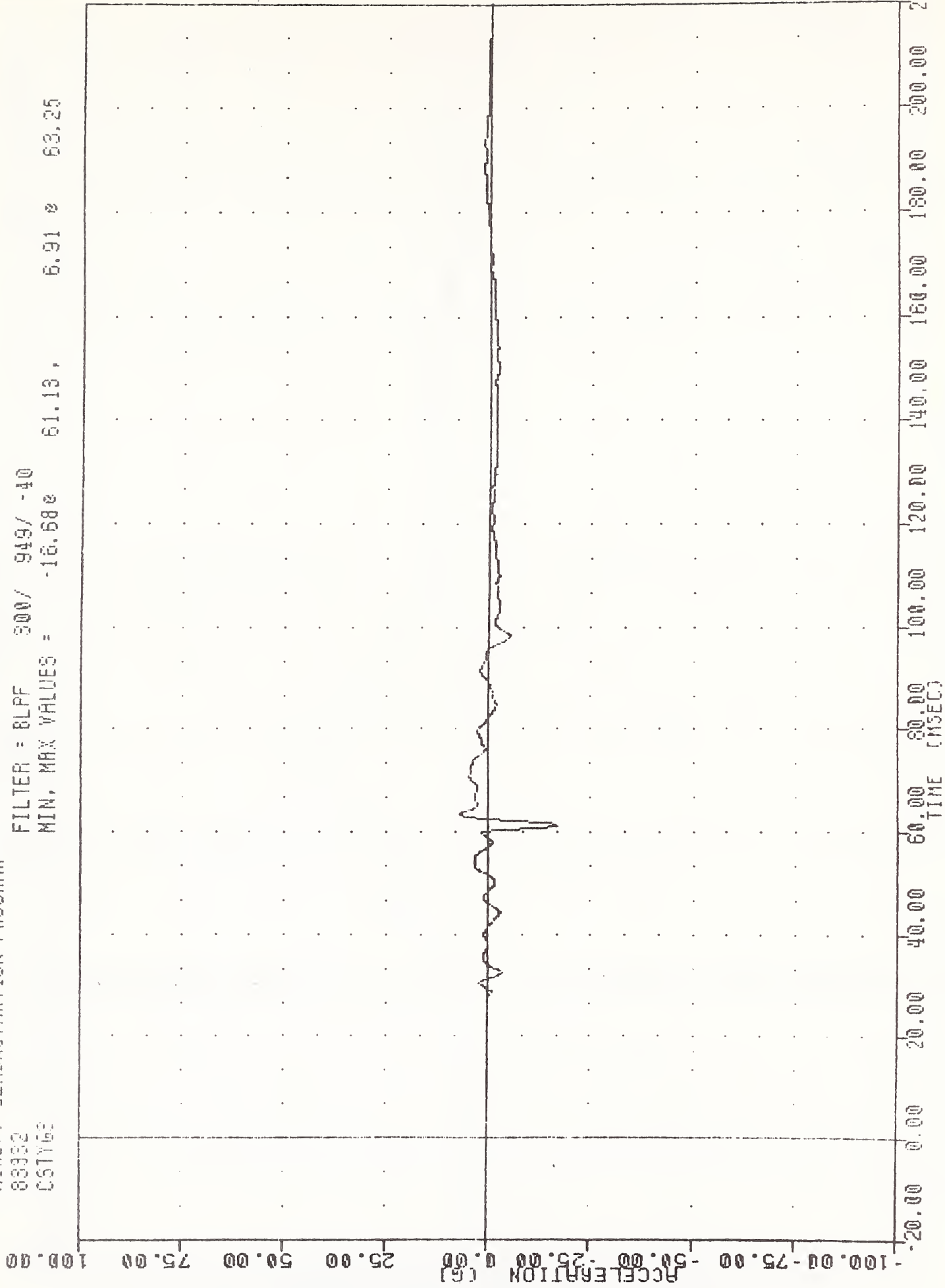


AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION X AXIS 5TH PERCENTILE

VRIC . RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
88382  
CSTY62

PLOT DATE 28-NOV-83 15:41:10

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -16.68e 61.13, 6.91 e 63.25



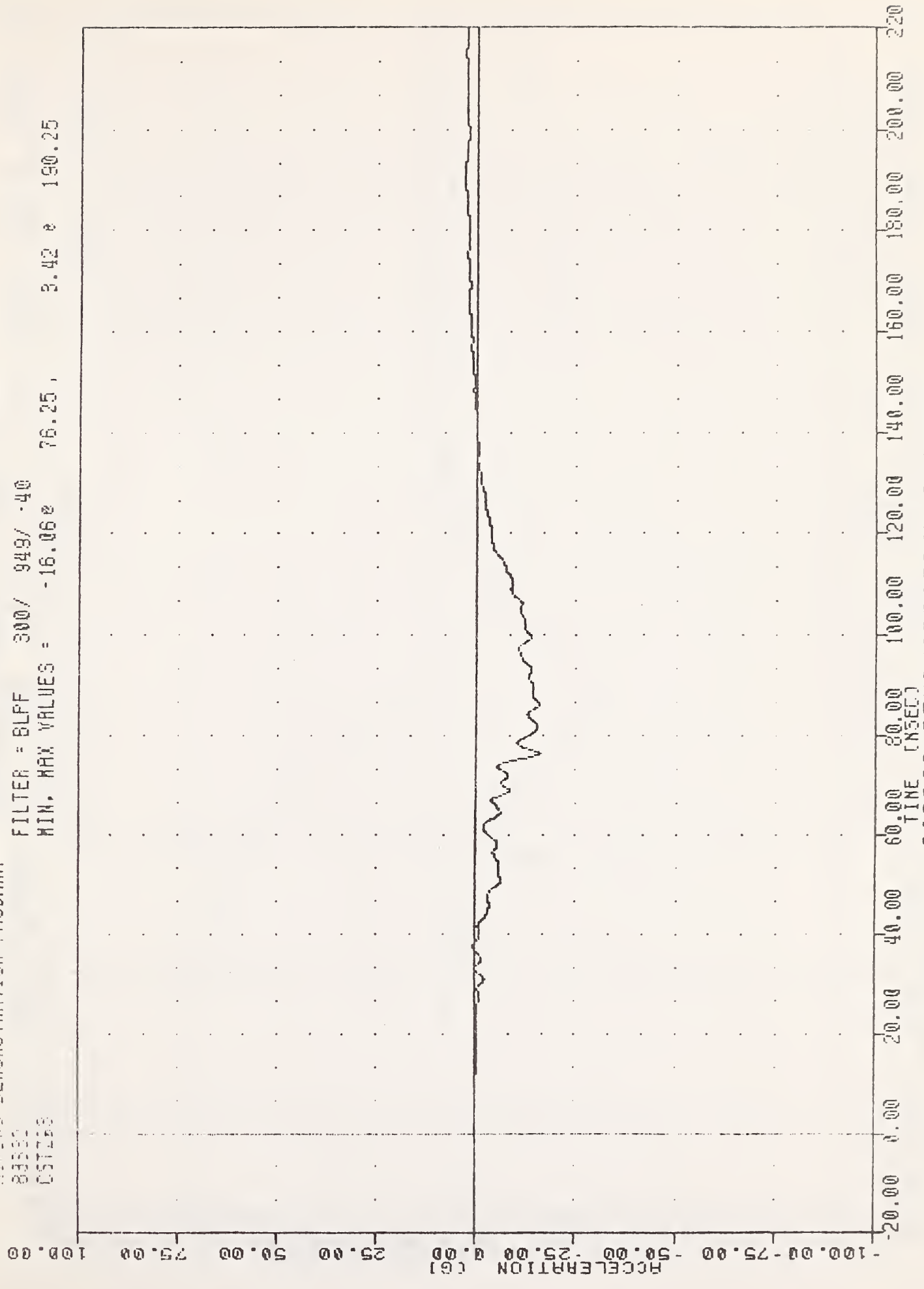
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 5TH PERCENTILE

CHEST ACCELERATION Z AXIS 5TH PERCENTILE

VP10  
RIPPER DEMONSTRATION PROGRAM  
83530  
CST123

PLLOT DATE 28-NOV-88 15:41:10

FILTER = BLFF 300/ 949/ -40  
MIN. MAX VALUES = -16.06e 76.25, 3.42 e 190.25



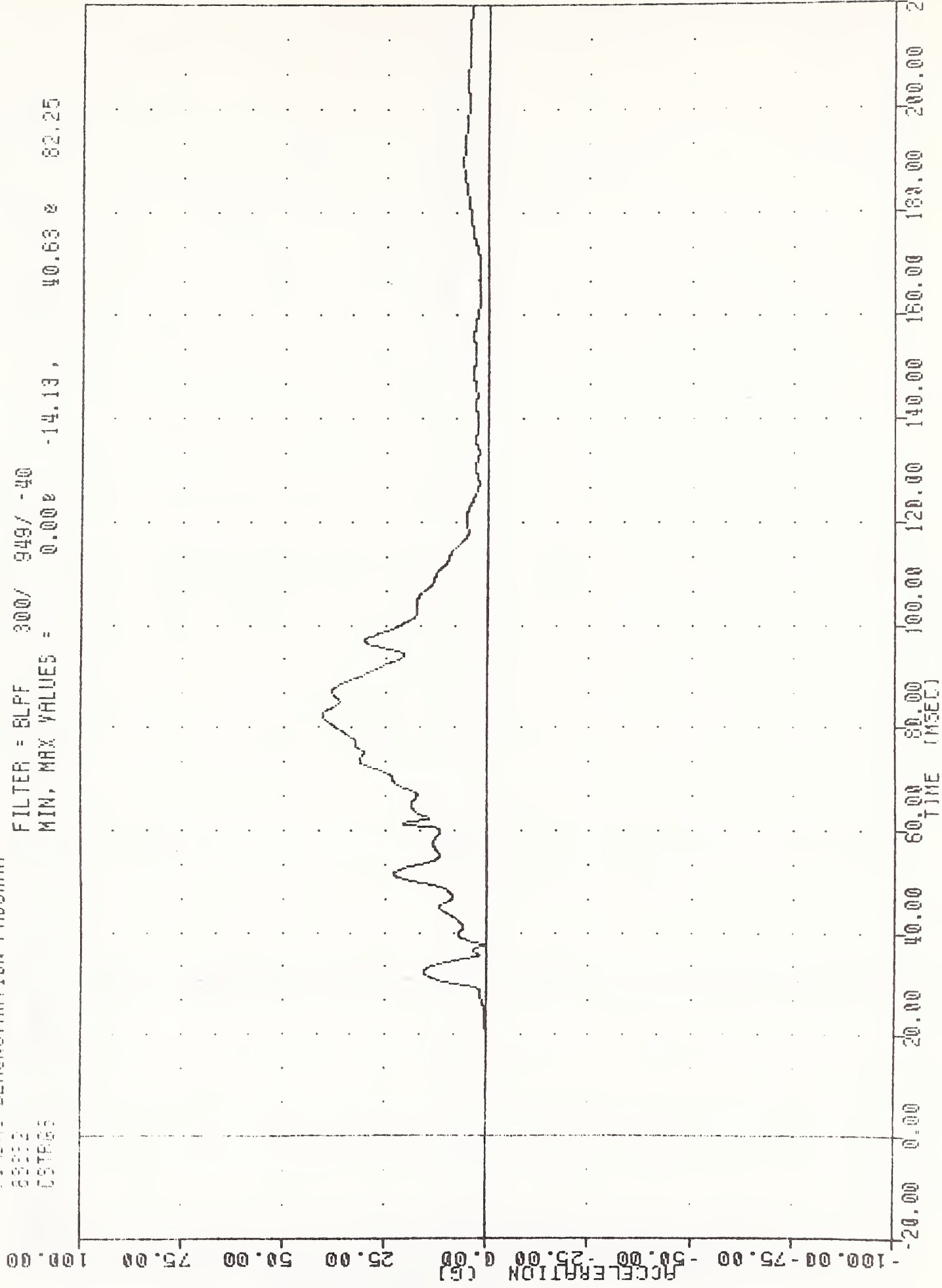
AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Z AXIS 5TH PERCENTILE



DATE , R0583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83312  
CST863

PLOT DATE 28-NOV-83 15:41:10

FILTER = BLFF 300V 949V -40  
MIN, MAX VALUES = 0.00V -14.13, 40.63 & 82.25



AIRBAG DEMONSTRATION PROGRAM  
CHEST RESISTANT ACCELERATION ETH PERCENTAGE

V87C , R0588-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83252  
CSTXV3

PLOT DATE 28-NOV-83 15:41:10

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -35.65e 165.88 , 0.00 e 19.88

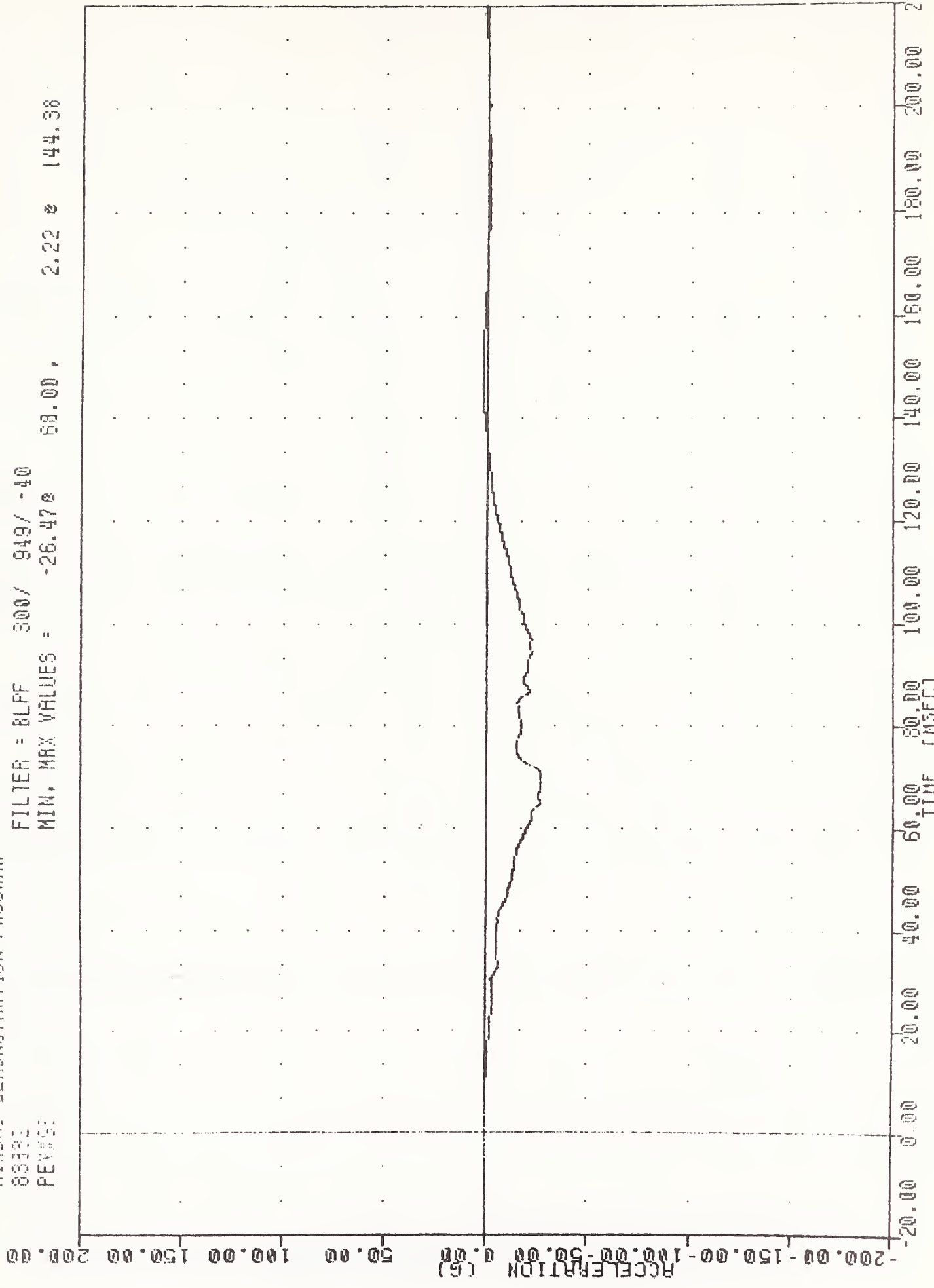


AIRBAG DEMONSTRATION PROGRAM  
CHEST VELOCITY V AVIS 5TH PERCENTILE

VRTC . RD583-2-26  
AIRBAG DEMONSTRATION PROGRAM  
8339E  
PEV95E

PLOT DATE 28-NOV-83 15:41:10

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -26.47e 68.00, 2.22 e 144.98



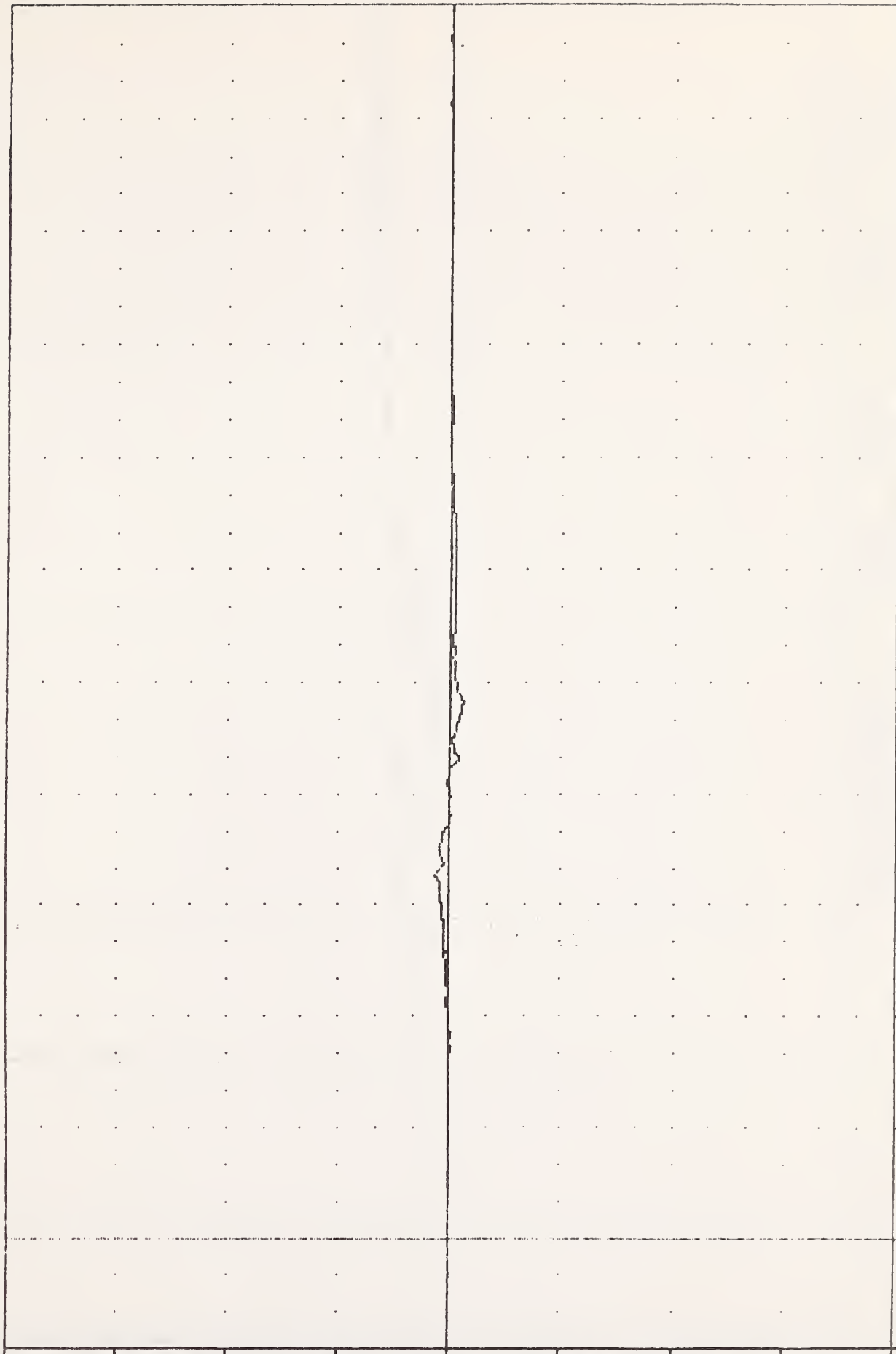
AIRBAG DEMONSTRATION PROGRAM  
PFI VIS ACCELERATION Y AXIS 5TH PERCENTILE

V810  
AIRBAG DEMONSTRATION PROGRAM  
83502  
PFI VTS

PLOT DATE 28-NOV-88 15:41:10

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -5.78e 96.50 , 6.35 e 85.25

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



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

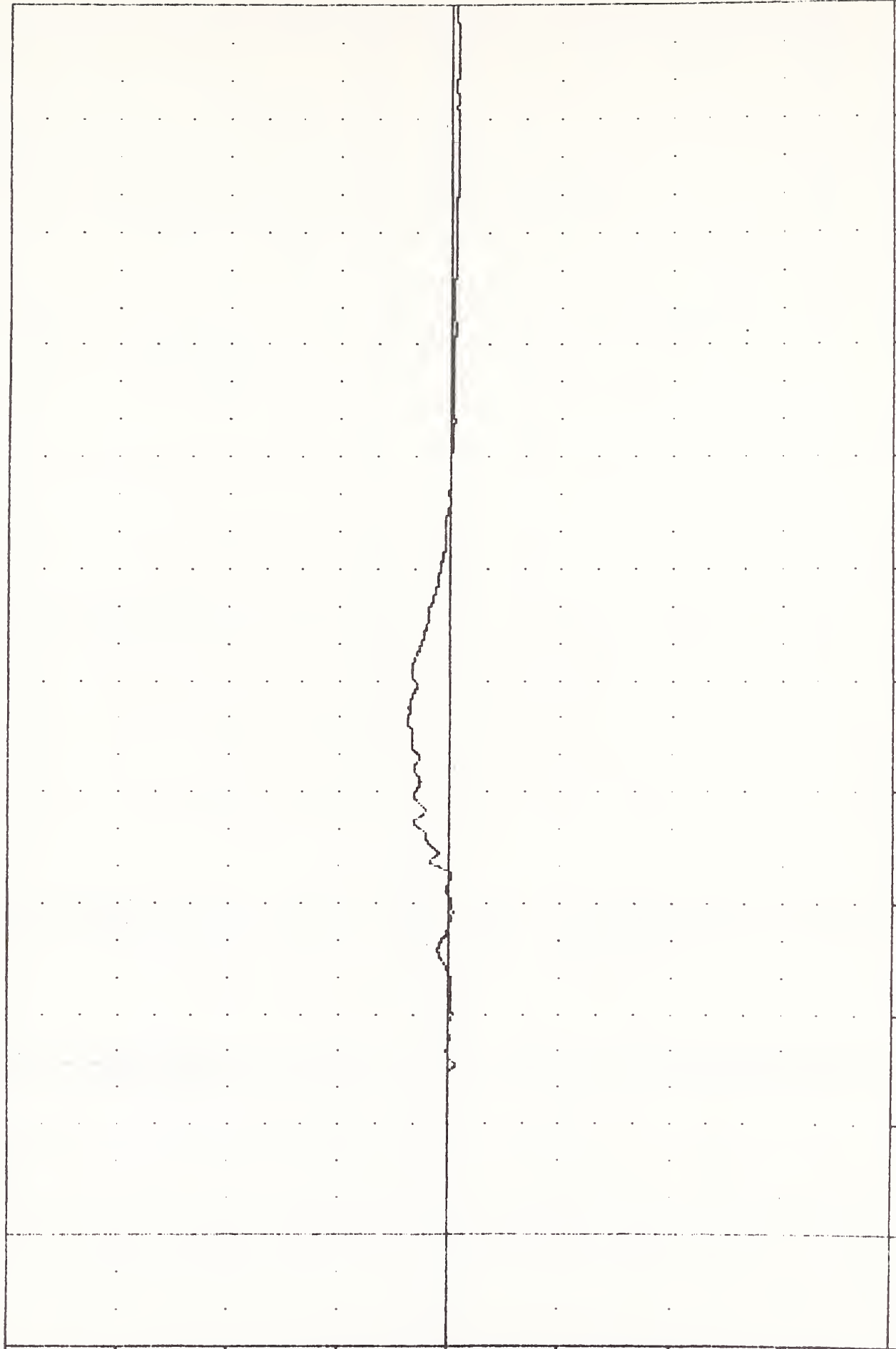
AIRBAG DEMONSTRATION PROGRAM

WRITE , RD563-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83332  
PEVZG3

PLOT DATE 26-NOV-83 15:41:10

FILTER = BLFF 300/ 949/ -40  
MIN, MAX VALUES = -2.93e 166.88, 19.77 e 92.50

ACCELERATION (G)



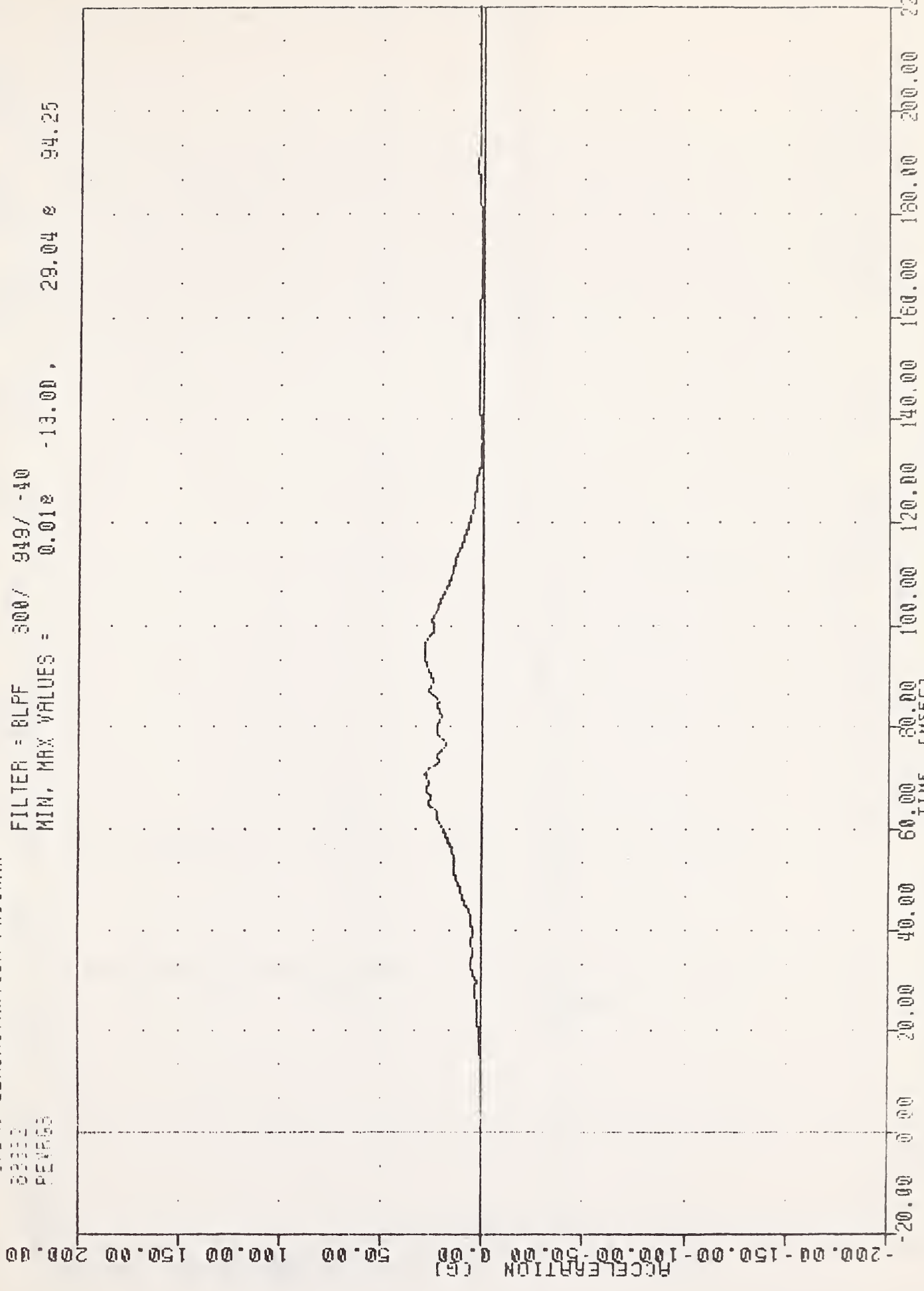
200.00 180.00 160.00 140.00 120.00 100.00 80.00 60.00 40.00 20.00 0.00 -20.00  
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
PEVZG3 ACCELERATION 7 AXIS 5TH PERCENTILE

V510  
R1996c  
63312  
PEV655

AD583-2-28  
PLOT DATE 28-NOV-83 15:41:10

DEMONSTRATION PROGRAM  
FILTER = 8LPF 300/ 949/ -40  
MIN, MAX VALUES = 0.012 -13.00, 29.04 s 94.25



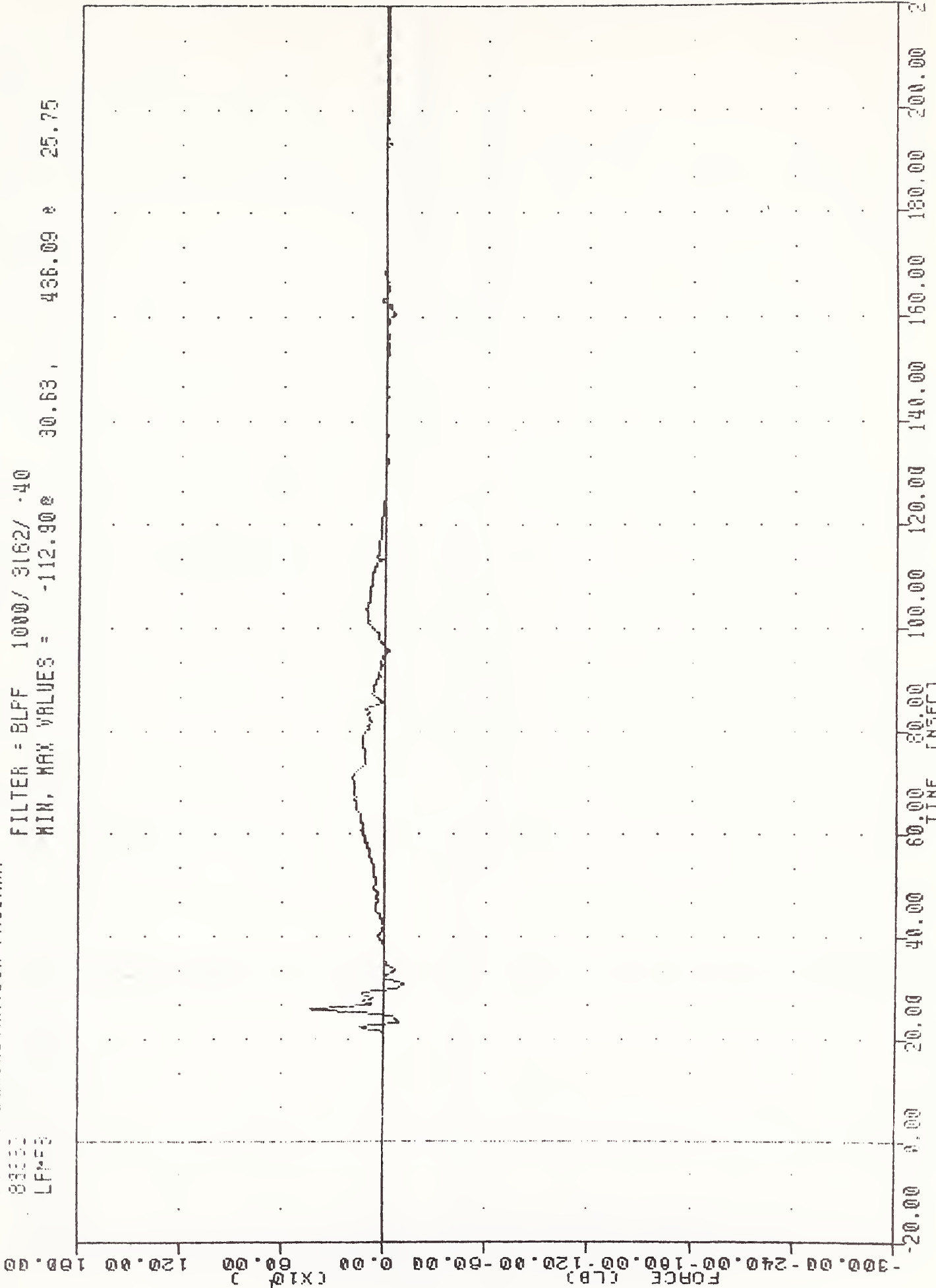
AIRBAG DEMONSTRATION PROGRAM

PFI WTS RESULTANT ACCELERATION 5TH PERCENTILE

VRTC , RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83333  
LFM53

PLOT DATE 28-NOV-68 15:41:10

FILTER = BLPF 1000/ 3162/ .40  
MIN, MAX VALUES = -112.90e 30.63, 436.09 e 25.75



AIRBAG DEMONSTRATION PROGRAM  
LEFT FEMUR FORCE IN 185 5TH PERCENTILE



LEFT FORCE IN LBS 5TH PERCENTILE

VPIC  
RIF993 DEMONSTRATION PROGRAM

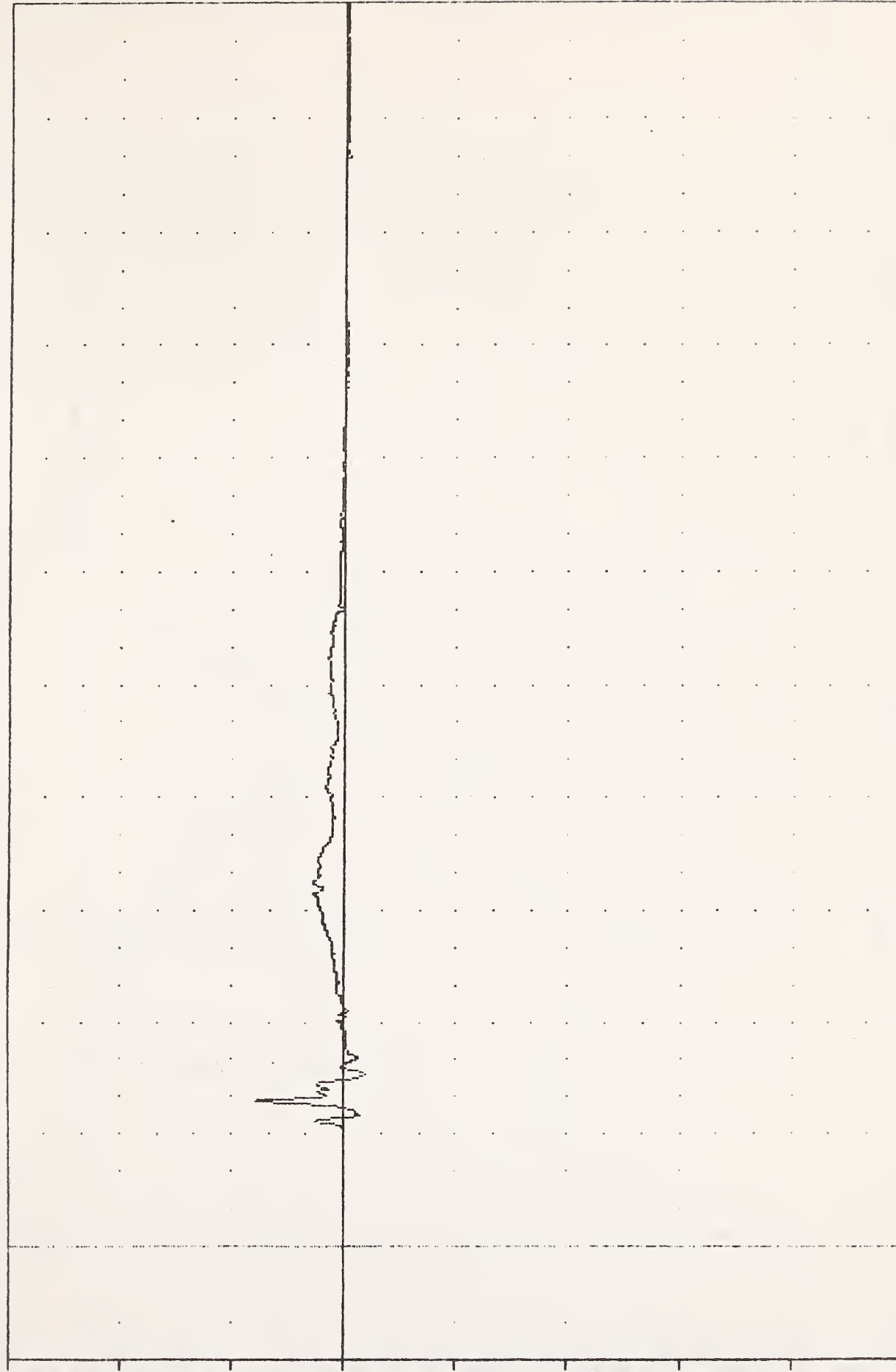
PLOT DATE 28-NOV-83 15:41:10

33332  
RIF993

FILTER = BLPF 1000/ 3162/ -40

MIN. MAX VALUES = -107.93e 30.50, 475.18 e 25.75

FORCE (LB) (X10<sup>3</sup>)



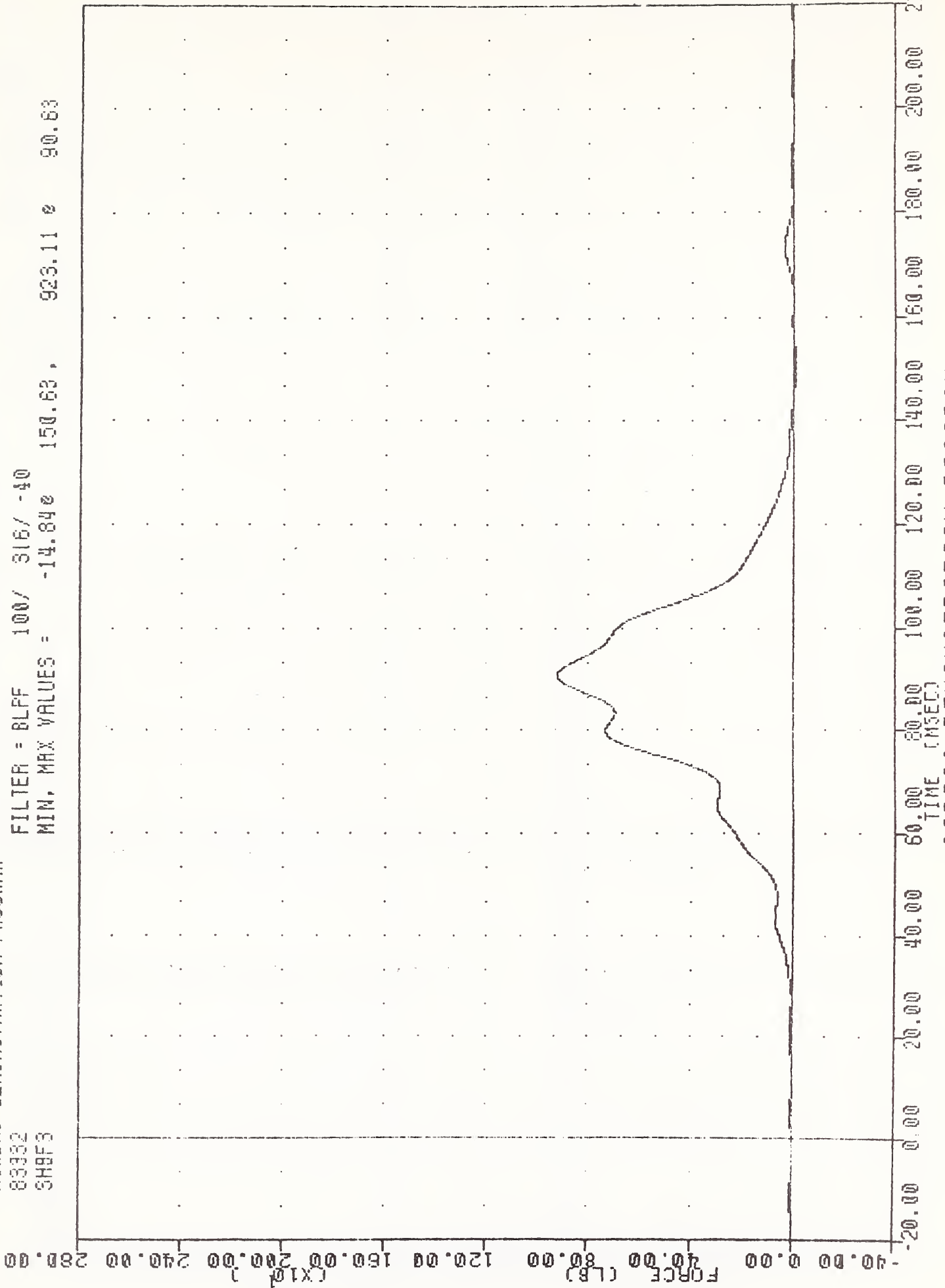
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
RIGHT FOUR FORCE IN LBS 5TH PERCENTILE

VR10 , R0583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83332  
SH8F3

PLOT DATE 28-NOV-83 15:41:10

FILTER = 8LFF 100/ 316/ -40  
MIN, MAX VALUES = -14.84e 150.63, 923.11 e 90.63



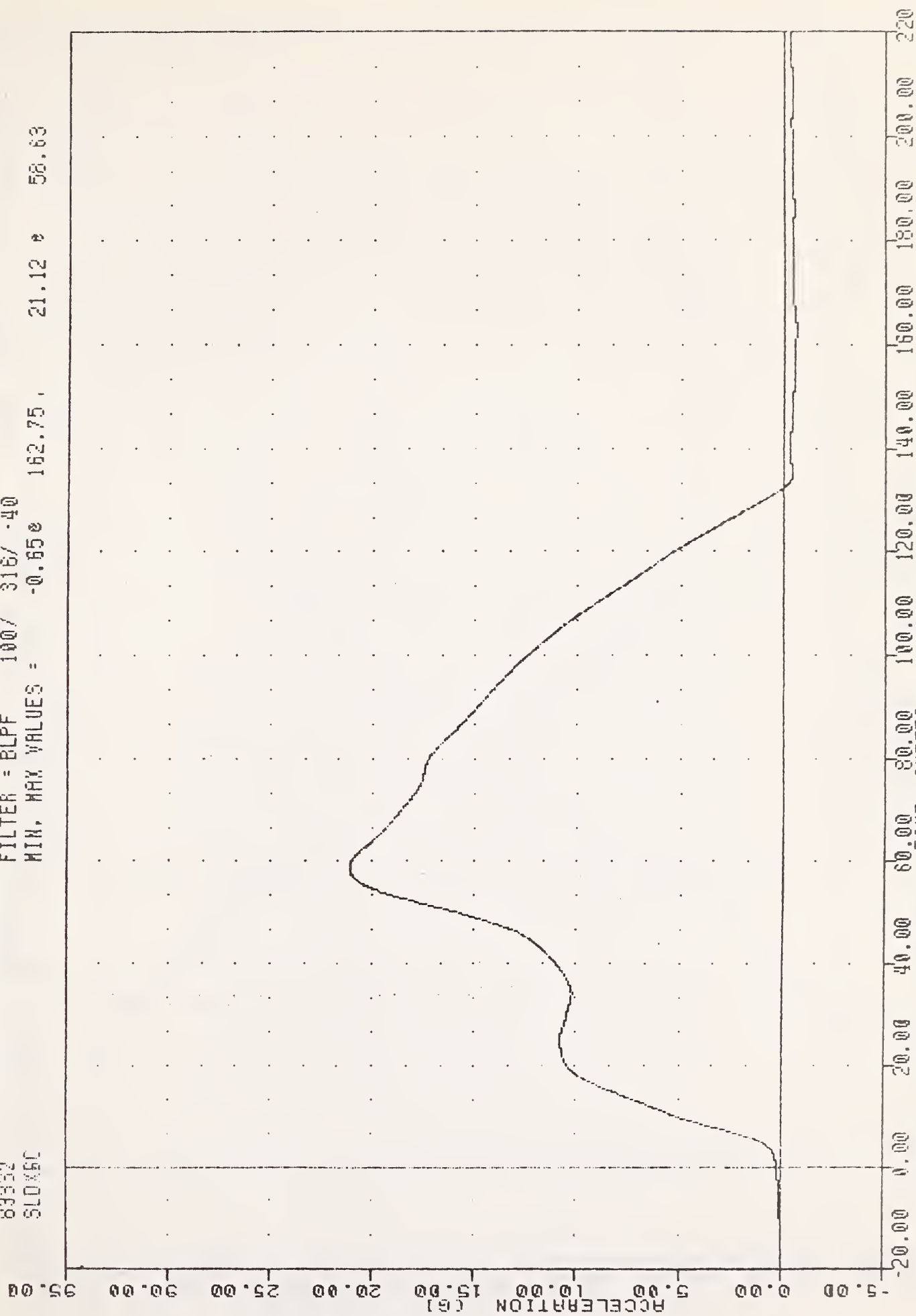
AIRBAG DEMONSTRATION PROGRAM  
SHOWN PER RET FORCE 5TH PERCENTILE

VRTC , RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83332  
SLOW50

PLOT DATE 28-NOV-83 15:41:10

FILTER = BLPF 100/ 316/ .40

MIN, MAX VALUES = -0.65e 162.75 , 21.12 e 58.63



AIRBAG DEMONSTRATION PROGRAM  
SIFD ACCELERATION

WATE , RD563-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83362  
SLOWVC

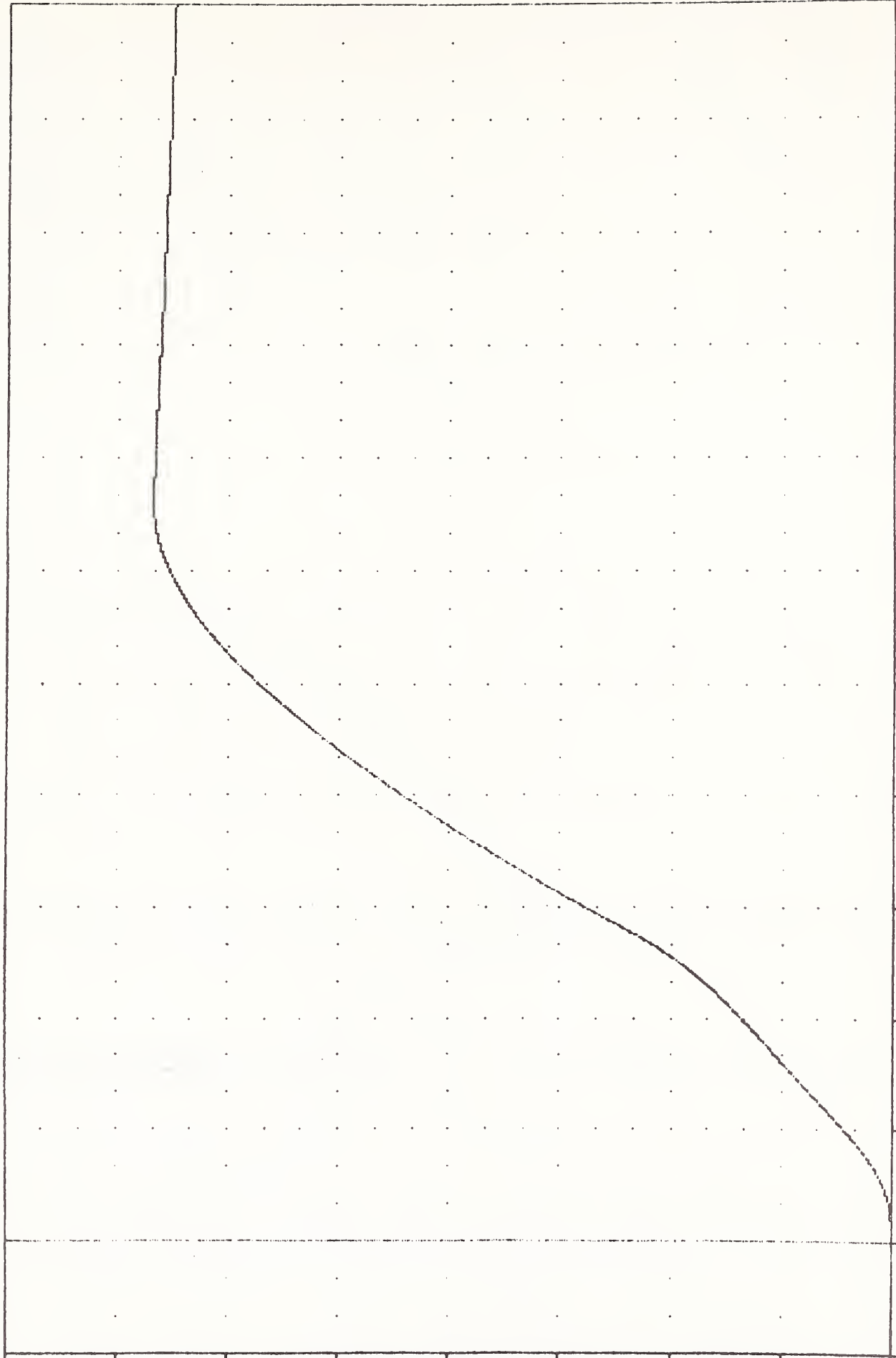
PLOT DATE 28-NDV-83 15:41:10

FILTER = BLPF 100/ 316/ -40

MIN. MAX VALUES = -0.01e -11.13, 33.37 e 132.13

40.00  
35.00  
30.00  
25.00  
20.00  
15.00  
10.00  
5.00  
0.00  
-20.00

VELOCITY (MPH)



TIME (MSEC)

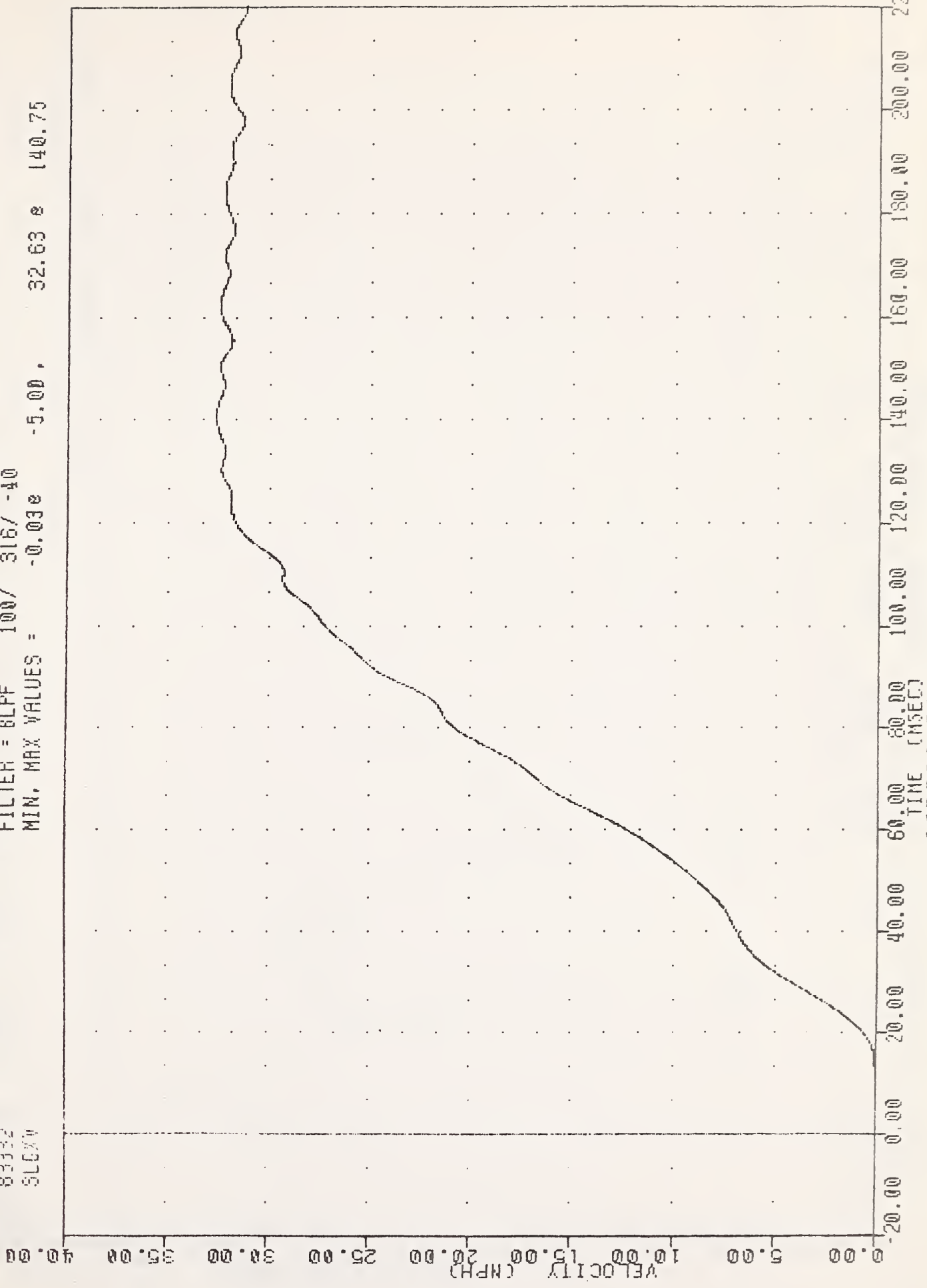
-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SIFD VELOCITY

WATC , RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83332  
SLEW

PLOT DATE 26-NOV-83 15:41:10

FILTER = 8LFF 100/ 316/ -40  
MIN, MAX VALUES = -0.03e -5.00, 32.63 e 140.75



AIRBAG DEMONSTRATION PROGRAM  
SIFD VELOCITY

8870 , RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
33333  
FT0X6

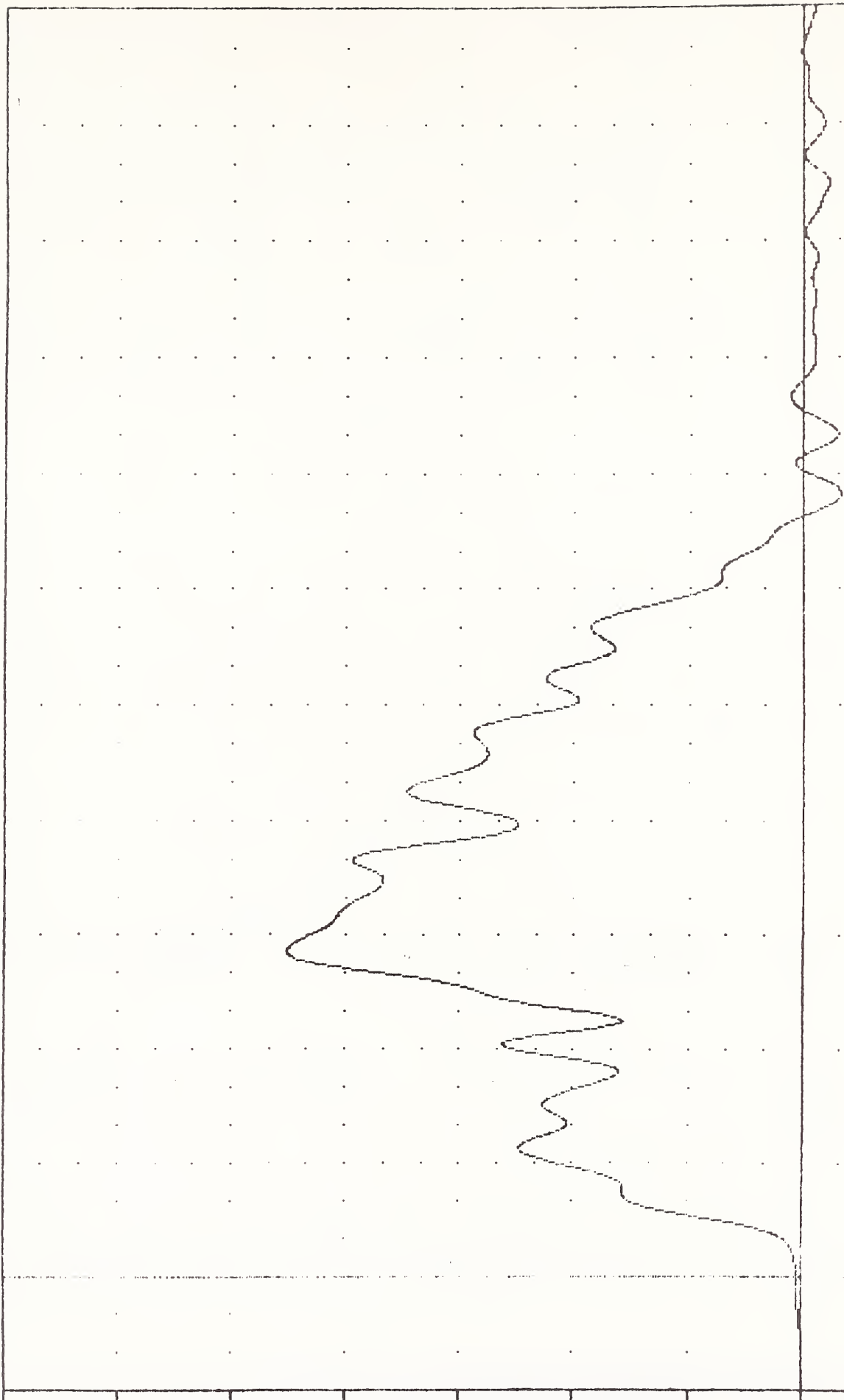
PLOT DATE 28-NOV-88 15:41:10

FILTER = BLFF 100/ 316/ -40

MIN, MAX VALUES = -1.74e 136.38, 22.59 e 57.00

ACCELERATION (G)

35.00  
30.00  
25.00  
20.00  
15.00  
10.00  
5.00  
0.00  
-5.00



TIME (MSEC)

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

AIRBAG DEMONSTRATION PROGRAM  
FI OR PAW THINFI ACCFI FRATION

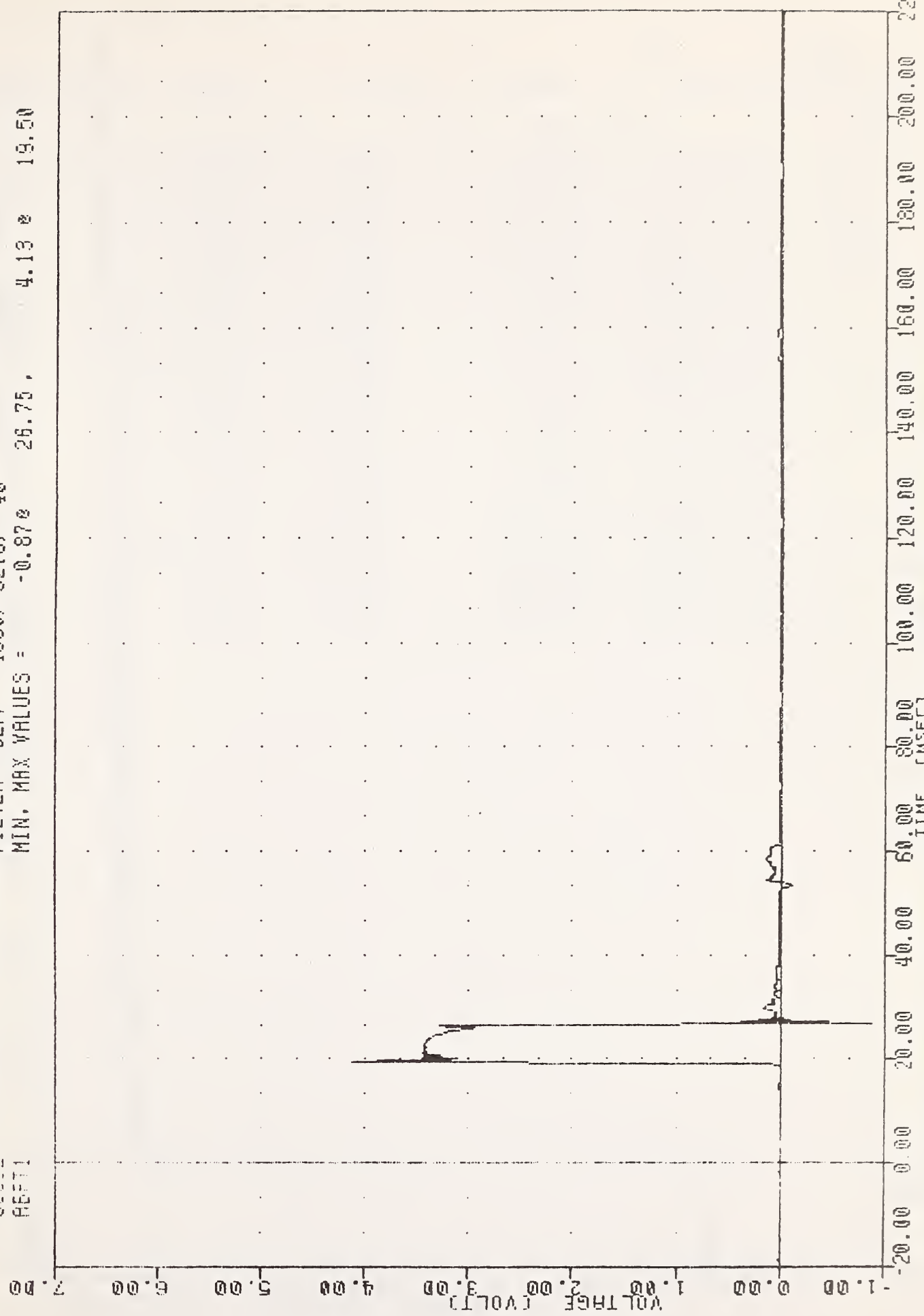
FLOOR PAN TUNNEL ACCEL PARTITION

W8TC , R0583-2-28  
AIRBAG DEMONSTRATION PROGRAM  
83332  
R05T1

PLOT DATE 28-NOV-83 15:41:10

FILTER = 8LPF 1650/ 5218/ -40

MIN. MAX VALUES = -0.87e 26.75 . 4.13 e 19.50



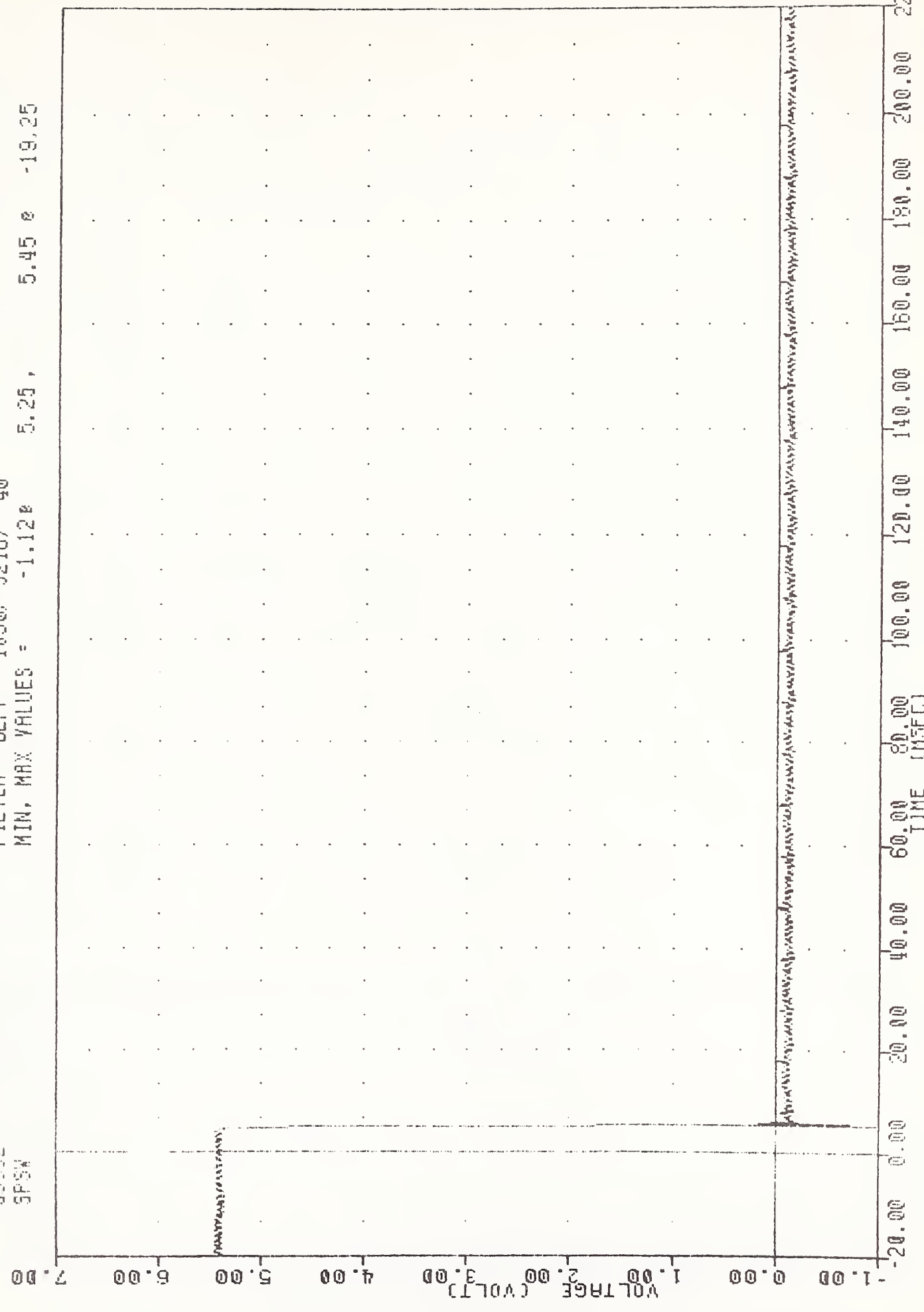
AIRBAG DEMONSTRATION PROGRAM  
AIR BAG FIRING EVENT 5TH PERCENTILE



V57C  
 AIRBAG DEMONSTRATION PROGRAM  
 85382  
 5PSW

PLOT DATE 26-NOV-83 15:41:10

FILTER = BLPF 1650/ 5218/ -40  
 MIN, MAX VALUES = -1.128 5.25, 5.45 @ -19.25



-1.00 0.00 1.00 2.00 3.00 4.00 5.00 6.00 7.00  
 -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  
 SLED POSITION SWITCH

		Min value		Max value			Unit
1	SPSW	-1.095	@ 5.375	5.456	@ -12.375	msec	vol
2	SLDXGC	-0.702	@ 135.125	21.247	@ 59.500	msec	g
3	SLDXVC	-0.014	@ -11.500	33.351	@ 131.875	msec	mph
4	SLDXV	-0.031	@ -3.125	32.600	@ 141.125	msec	mph
5	FTUXG	-2.659	@ 146.750	23.037	@ 57.250	msec	g
6	ABFT1	-0.938	@ 27.125	4.287	@ 19.750	msec	vol
7	HEDXG3	-33.333	@ 85.750	67.429	@ 189.875	msec	g
8	HEDXV3	-42.873	@ 174.500	0.304	@ 30.250	msec	mph
9	HEDYG3	-5.543	@ 106.000	2.807	@ 217.375	msec	g
0	HEDZG3	-28.850	@ 189.875	27.661	@ 93.125	msec	g
1	CSTXG3	-41.036	@ 94.750	7.176	@ 226.500	msec	g
2	CSTXV3	-35.043	@ 135.250	0.025	@ 25.750	msec	mph
3	CSTYG3	-2.932	@ 34.000	4.453	@ 31.875	msec	g
4	CSTZG3	-35.027	@ 99.375	4.907	@ 193.250	msec	g
5	PEVXG3	-107.792	@ 86.125	5.780	@ 278.625	msec	g
6	PEVYG3	-12.314	@ 78.750	12.918	@ 81.000	msec	g
7	PEVZG3	-11.192	@ 92.375	20.772	@ 102.250	msec	g
8	LFMF3	-1459.814	@ 85.125	392.121	@ 25.500	msec	lb
9	RFMF3	-1223.281	@ 85.375	427.559	@ 25.500	msec	lb
0	HEDRG3	0.029	@ -21.875	73.481	@ 189.875	msec	g
1	CSTRG3	0.006	@ -14.750	48.080	@ 101.875	msec	g
2	PEVRG3	0.008	@ -23.500	108.331	@ 86.125	msec	g

SLED POSITION SWITCH

\* \* \* HIC computation for TRC241I 29-NOV-83 14:23:51

HEDRG3 VRTC RD583-2-29 83333 AIRBAG DEMONSTRATION PROGRAM

Using time range = 0.000 to 200.000 msec Peak accel = 73.48 @ 189.875

HIC = 201.89 Interval from 64.500 [ 717] to 116.000 [1129]

HIC = 128.45 Interval from 188.625 [1710] to 196.375 [1772]

Elapsed time = 24.34 sec

Enter channel [,stop time] -->EXIR\R\T

Enter input filespec -->EXIT

\$

NOTE , RD583-2-29  
AIRBAG DEMONSTRATION PROGRAM

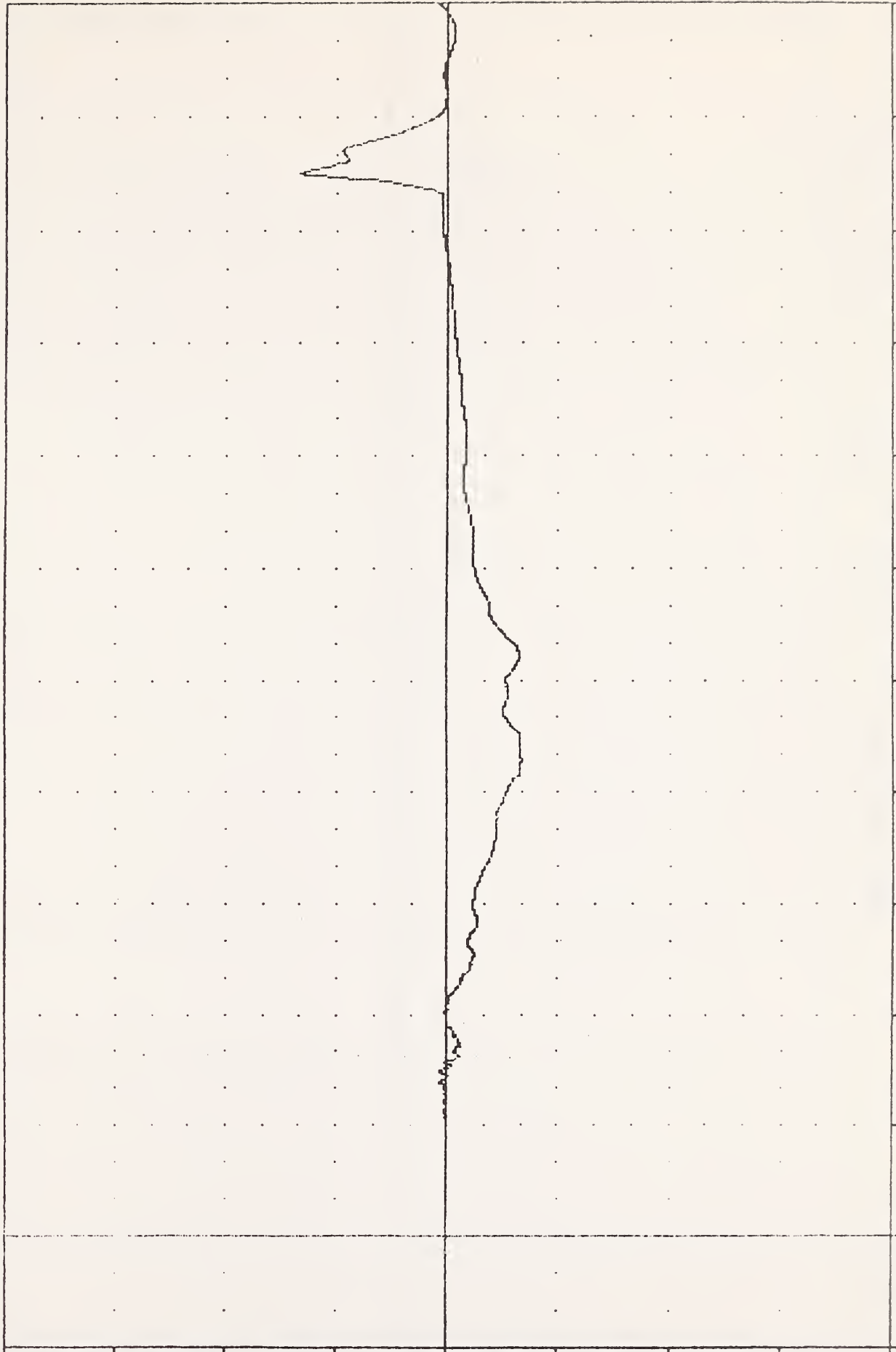
93383  
HE0X63

PLOT DATE 29-NOV-83 14:14:40

FILTER = ALFF 1650/ 5214/ -40

MIN, MAX VALUES = -33.33B 65.75 , 67.43 & 189.88

ACCELERATION (G)



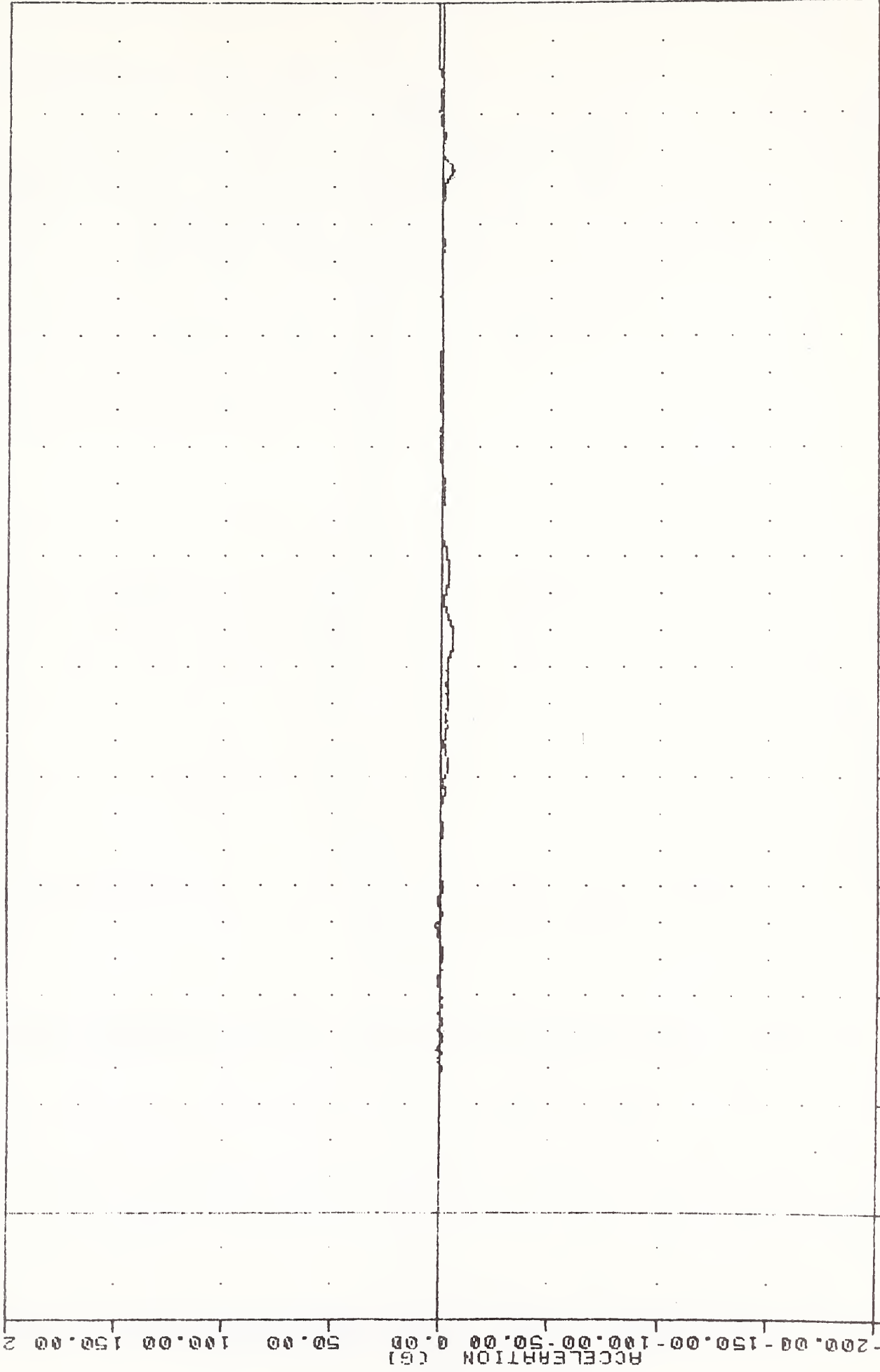
-200.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00

TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM

UCON ACC/DECEL/DATUM Y AXIS 5TH PERCENTILE

VATIC , RD583-2-29 PLOT DATE 29-NOV-88 14:14:40  
 AIRBAG DEMONSTRATION PROGRAM  
 83323 FILTER = ALFF 1650 / 5214 / -40  
 HEDY53 MIN. MAX VALUES = -5.54e 106.00 , 2.81 e 217.98

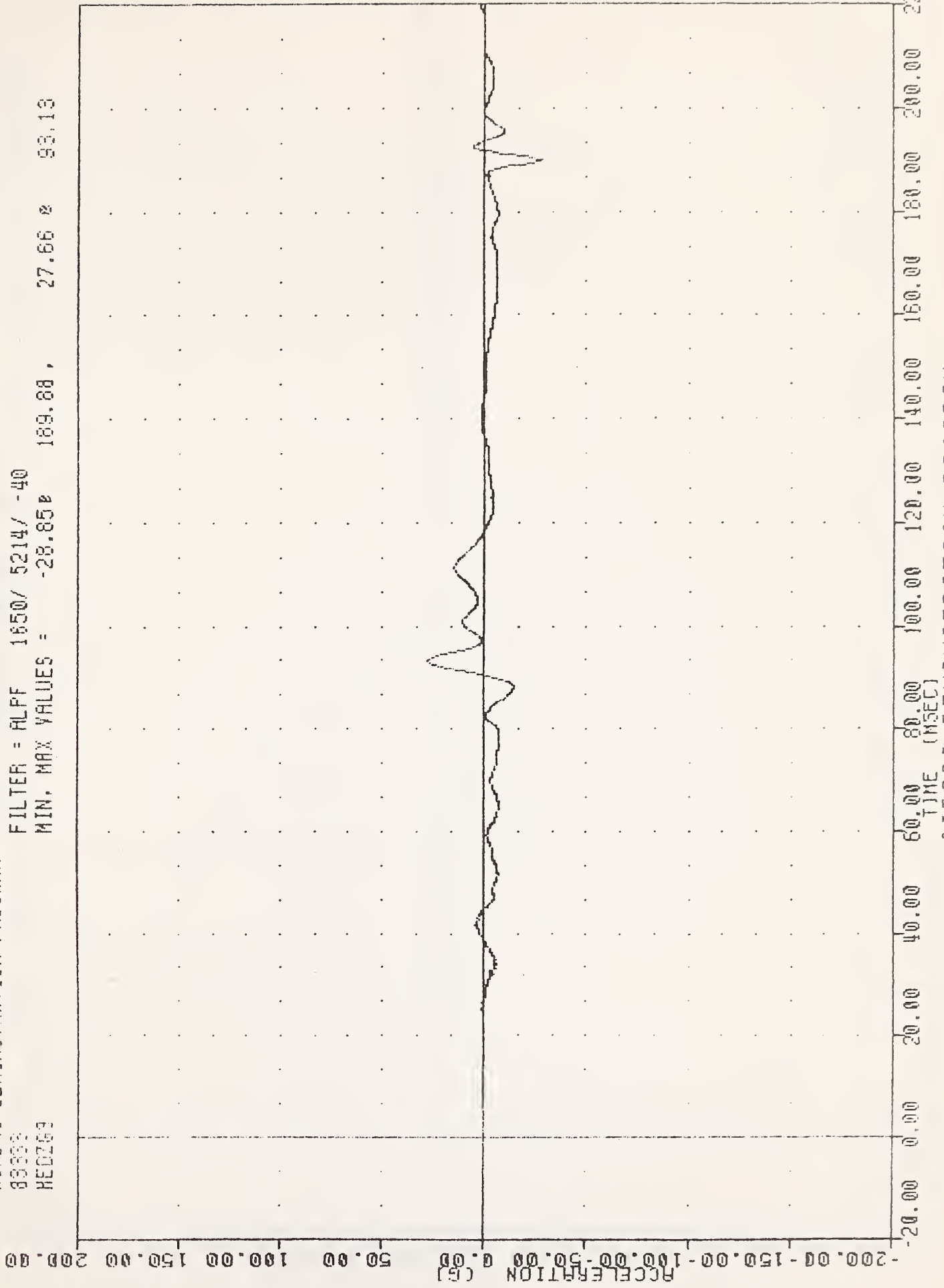


-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220  
 TIME (INSECT)  
 AIRBAG DEMONSTRATION PROGRAM  
 , HEAD ACCELERATION Y AXIS 5TH PERCENTILE

VRTC , R0583-2-29  
AIRBAG DEMONSTRATION PROGRAM  
83333  
HED269

PLOT DATE 29-NOV-83 14:14:40

FILTER = ALPF 1650/ 5214/ -40  
MIN. MAX VALUES = -28.85 189.88 , 27.66 93.13

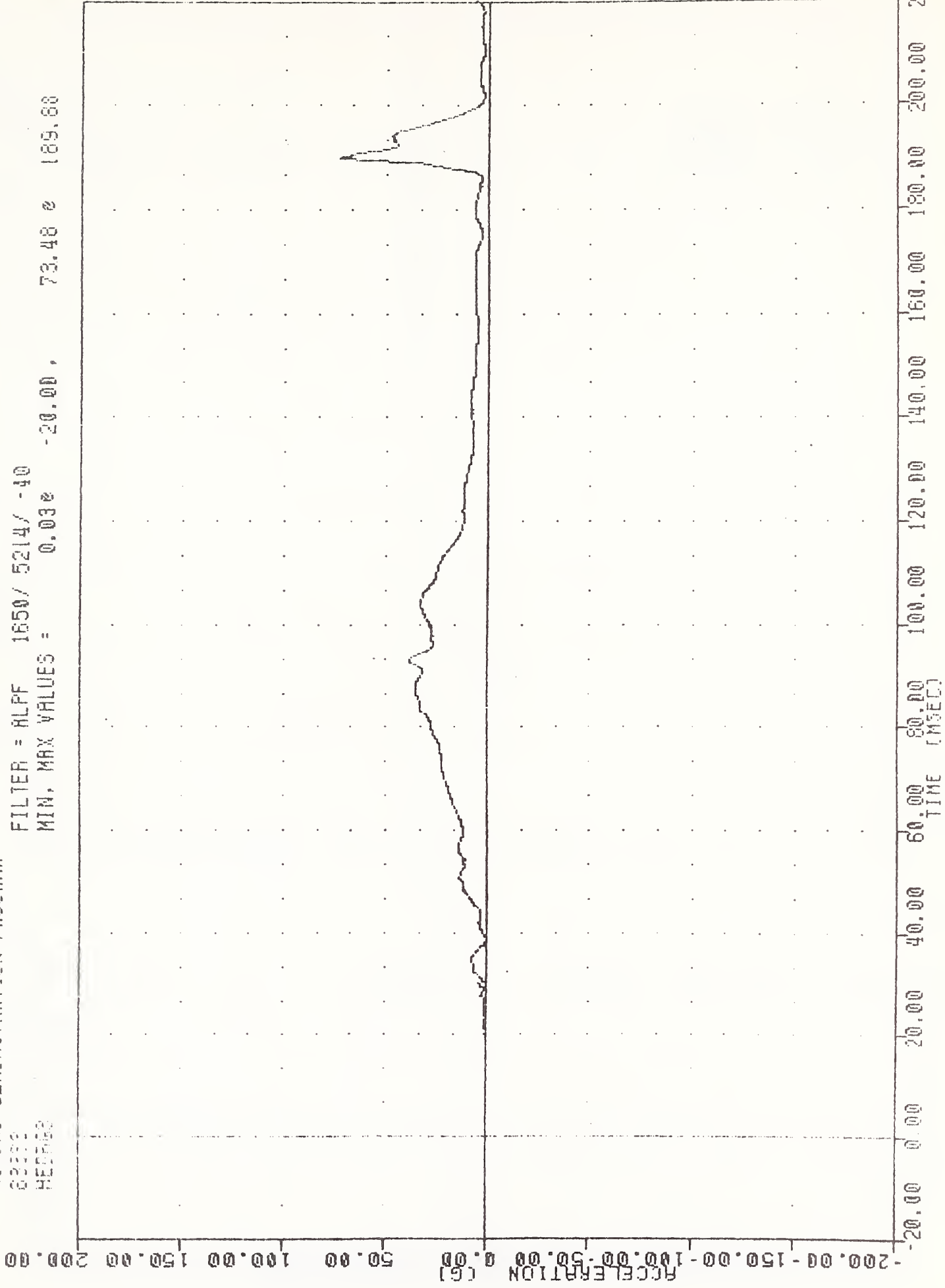


AIRBAG DEMONSTRATION PROGRAM  
HEAD ACCELERATION 7 AXIS 5TH PERCENTILE

VPIC RD583-2-29  
AIRBAG DEMONSTRATION PROGRAM  
02333  
HEAD583

PLOT DATE 29-NOV-83 14:14:40

FILTER = HLPF 1650/ 5214/ -40  
MIN, MAX VALUES = 0.03e -20.00, 73.48 e 189.68



AIRBAG DEMONSTRATION PROGRAM

HEAD RESUL TANT ACCEL ERATION 5TH PERCENTILE

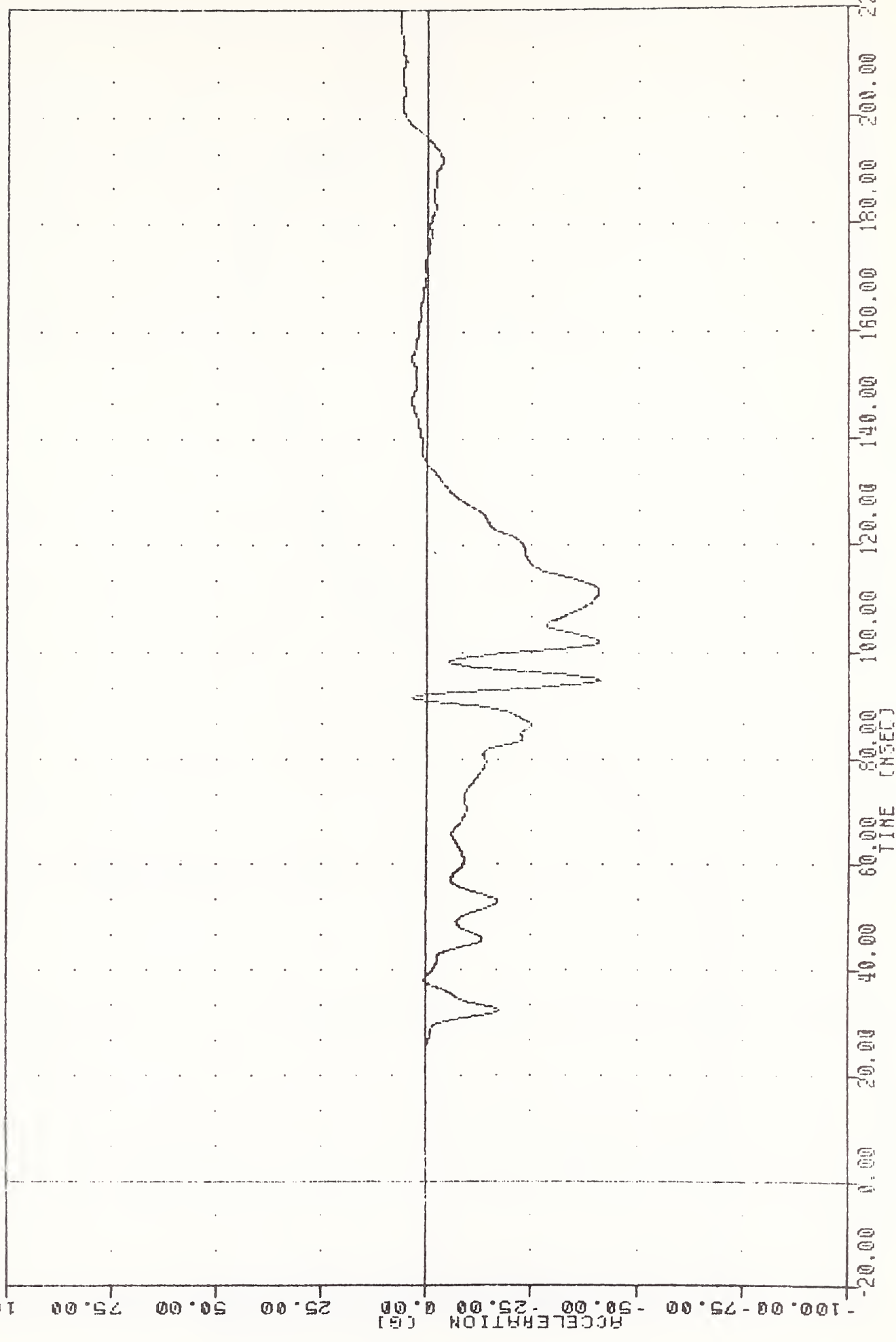


VPT , RD583-2-29 PLOT DATE 29-NOV-63 14:14:40  
 AIRBAG DEMONSTRATION PROGRAM  
 23333 FILTER = ALPF 1650/ 5214/ -40  
 HES3V3 MIN. MAX VALUES = -42.87e 174.50 , 0.30 e 30.25



AIRBAG DEMONSTRATION PROGRAM  
 HEAD VELOCITY : AVTS 5TH PERCENTILE

VARI , RD569-2-29 PLOT DATE 29-NOV-83 14:14:40  
 AIRBAG DEMONSTRATION PROGRAM  
 82573 FILTER = BLPF 300/ 349/ -40  
 CST/63 MIN, MAX VALUES = -41.04e 84.75 , 6.62 e 216.88

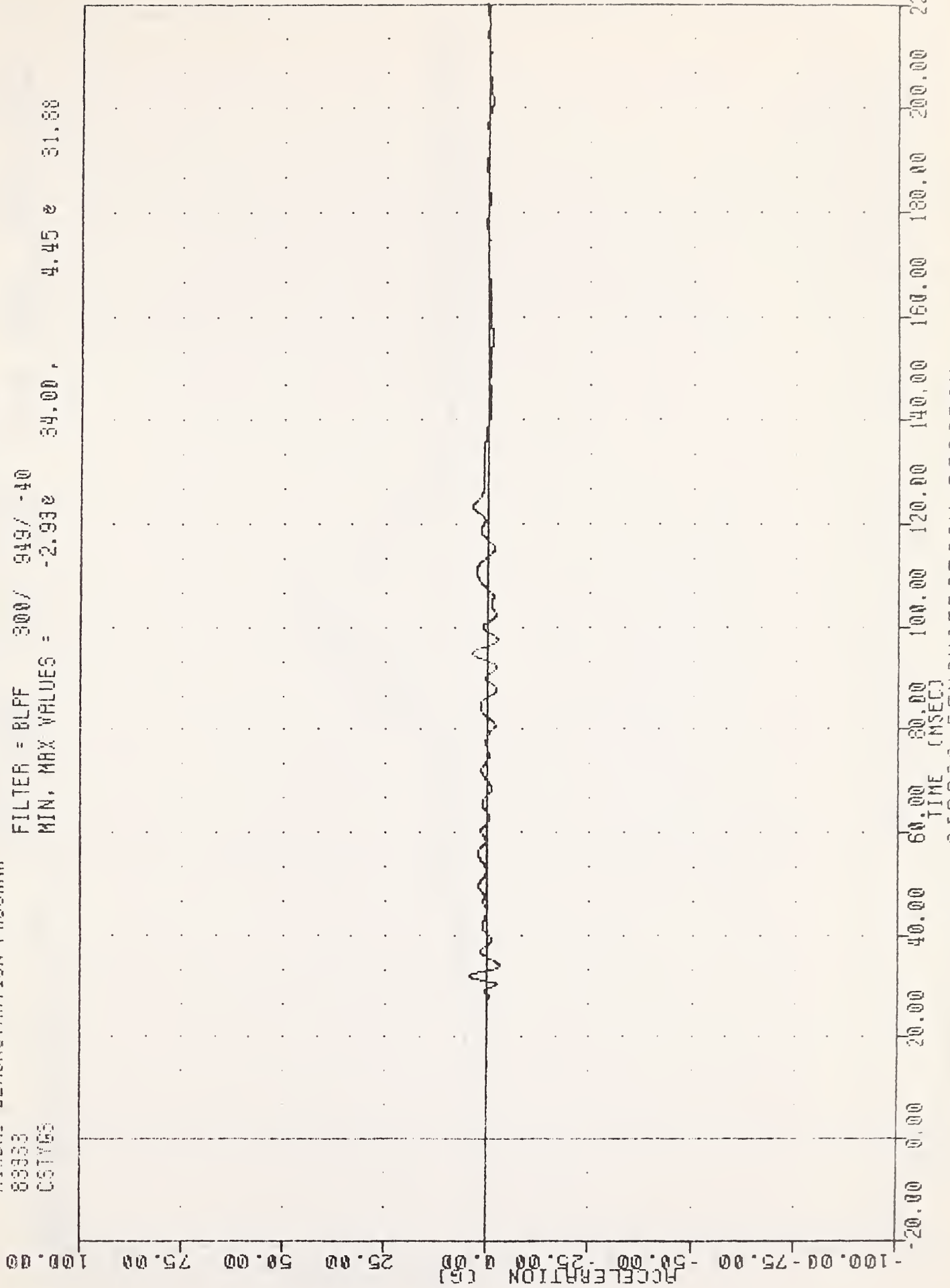


AIRBAG DEMONSTRATION PROGRAM  
 CHEST ACCELERATION X AXIS 5TH PERCENTILE

VRIC , RD583-2-29  
AIRBAG DEMONSTRATION PROGRAM  
83333  
CSTY66

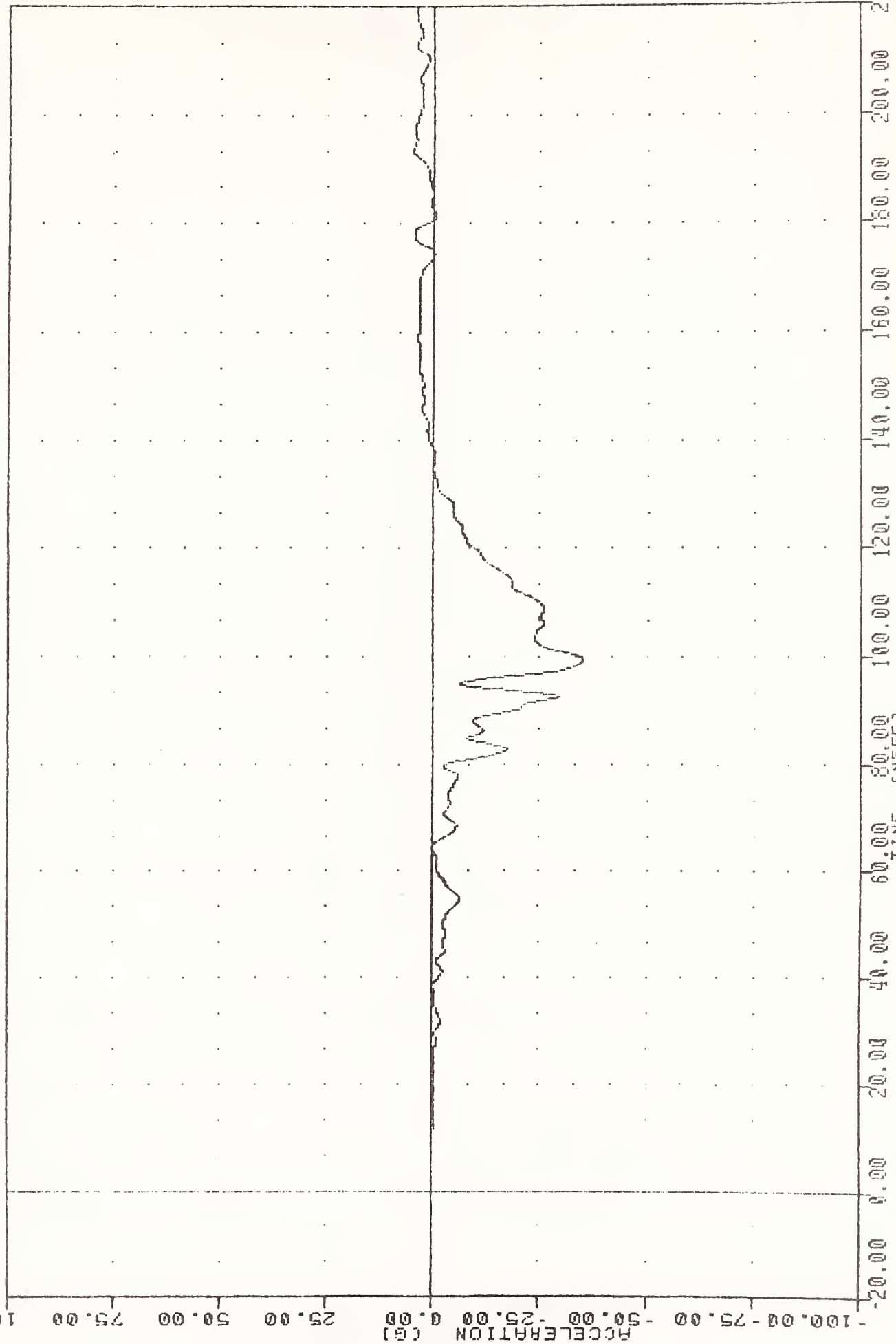
PLOT DATE 29-NOV-83 14:14:40

FILTER = BLPF 300/ 949/ -40  
MIN. MAX VALUES = -2.93e 34.00, 4.45 e 31.88



AIRBAG DEMONSTRATION PROGRAM  
CHEST ACCELERATION Y AXIS 5TH PERCENTILE

VATIC , RD583-2-29 PLOT DATE 29-NOV-83 14:14:40  
 AIRBAG DEMONSTRATION PROGRAM  
 83553 FILTER = BLPF 300/ 949/ -40  
 CSTZRS MIN. MAX VALUES = -35.03e 99.38 , 4.91 e 193.25



AIRBAG DEMONSTRATION PROGRAM  
 CHEST ACCELERATION Z AXIS 5TH PERCENTILE

YBTC , RD583-2-28 PLOT DATE 29-NOV-83 14:14:40

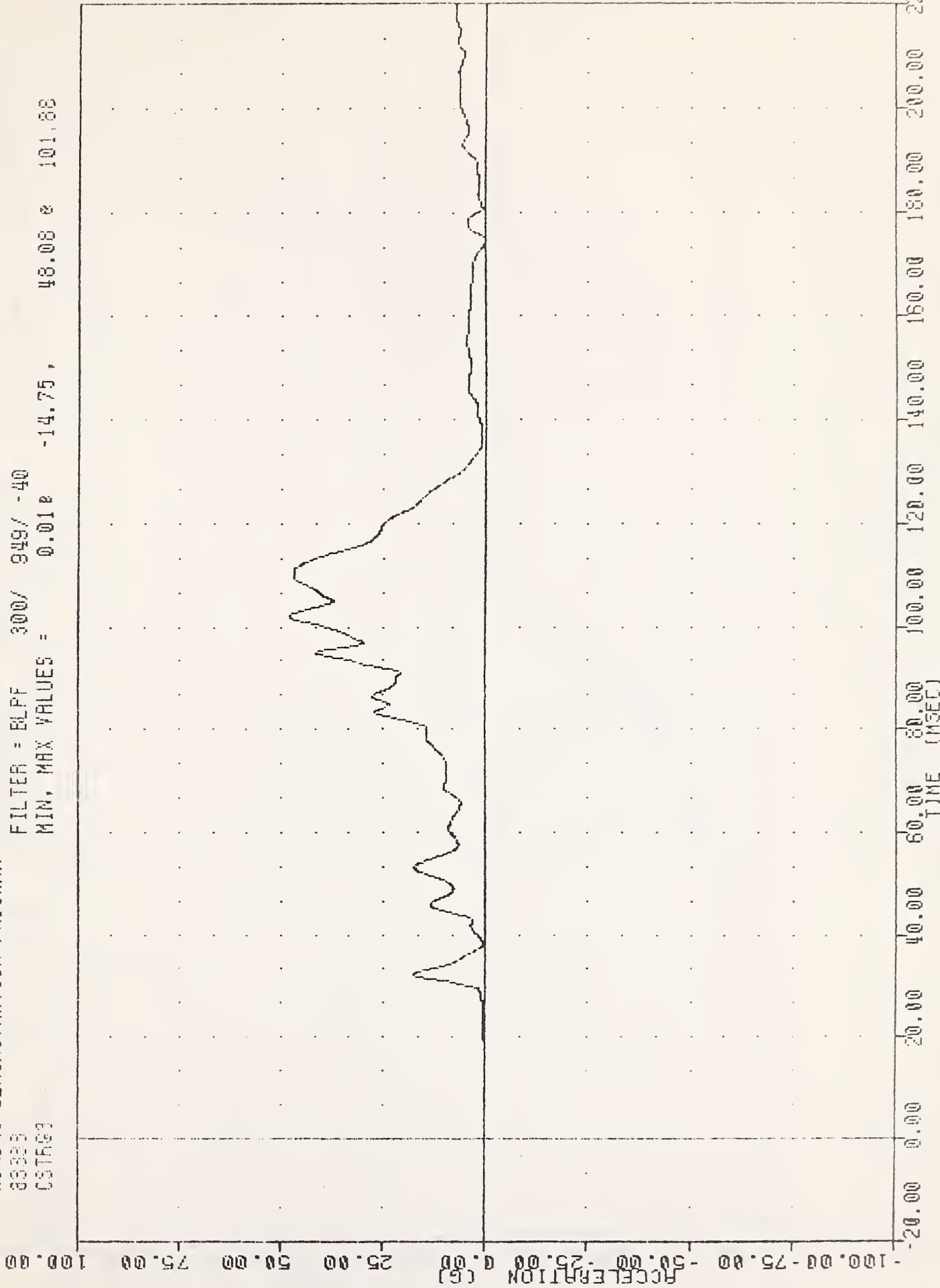
AIRBAG DEMONSTRATION PROGRAM

88323

CSTRG3

FILTER = ELPF 300/ 949/ -40

MIN, MAX VALUES = 0.01E -14.75, 48.08 E 101.88



AIRBAG DEMONSTRATION PROGRAM

FIRST RESUI TANT ACFFI FRATION 5TH PPRFNTTIF

V571  
AIRBAG DEMONSTRATION PROGRAM  
83333  
CSTWV3

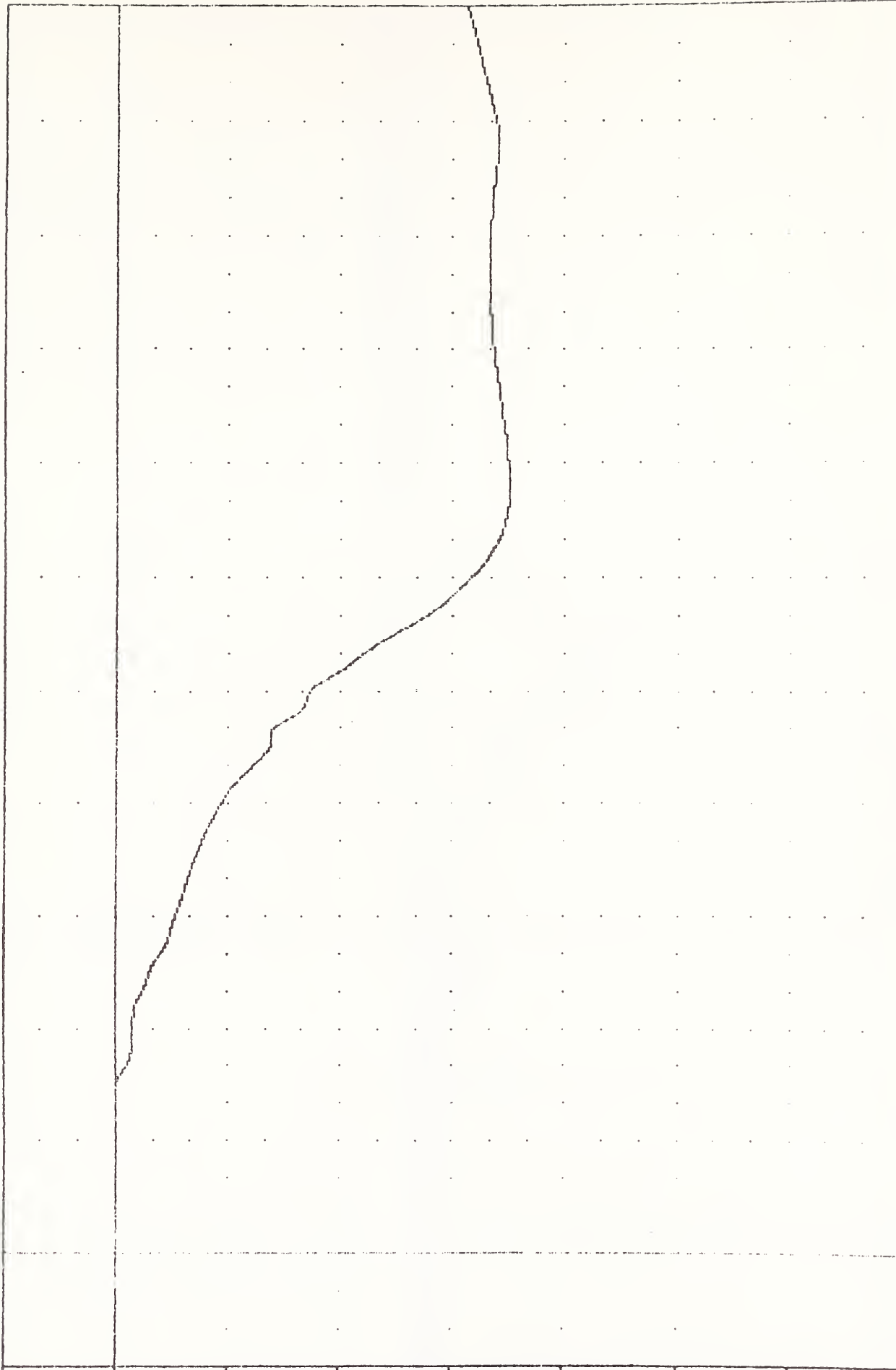
PLOT DATE 29-NOV-83 14:14:40

FILTER = BLFF 300/ 949/ -40

MIN. MAX VALUES = -35.04 135.25 , 0.02 25.75

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

VELOCITY (MPH)



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

TIME (MSEC)

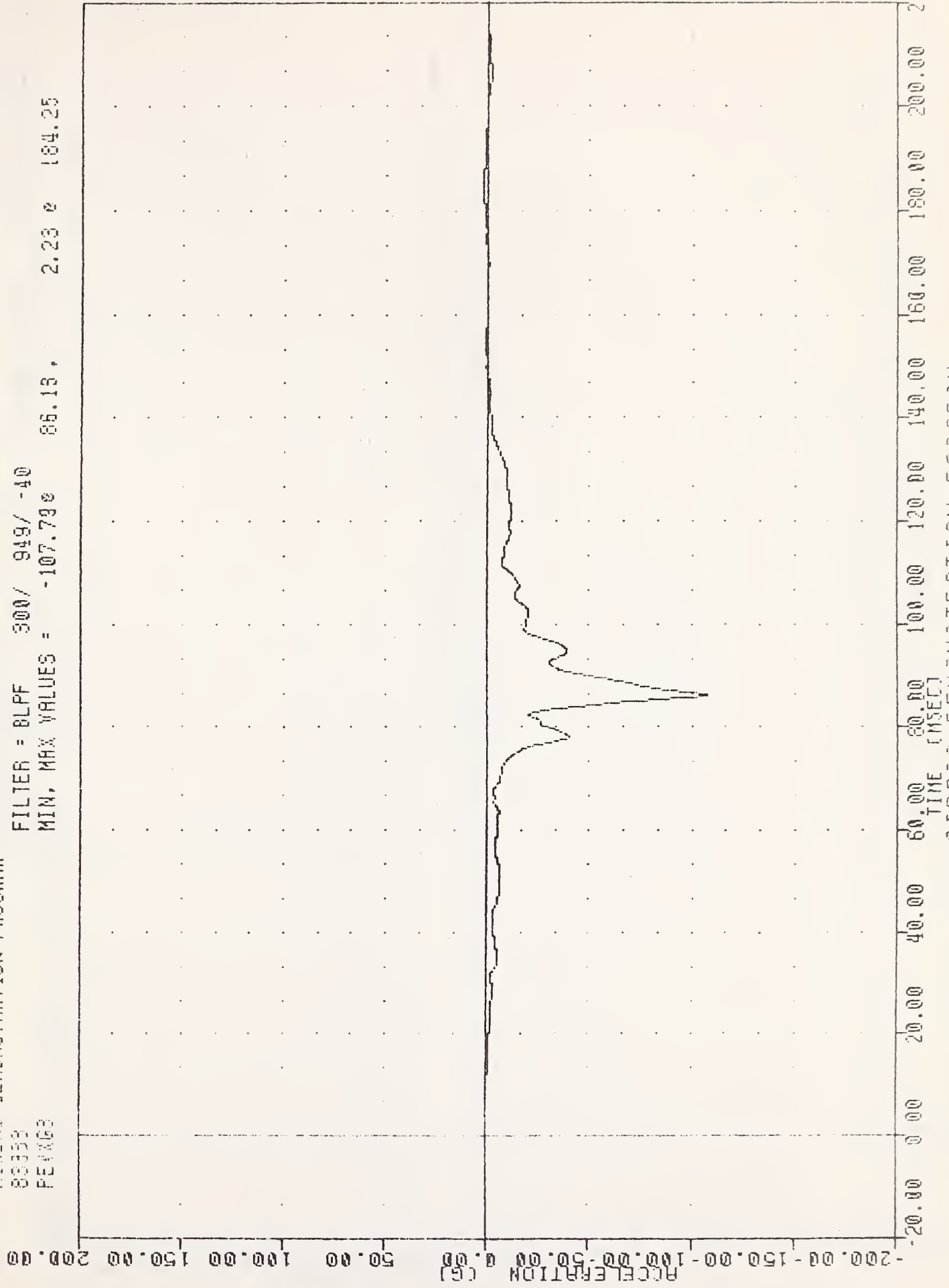
AIRBAG DEMONSTRATION PROGRAM

CHEST VELOCITY X AXIS 5TH PERCENTILE

UNIT , R0583-2-29  
AIRBAG DEMONSTRATION PROGRAM  
88353  
PELVIS

PLOT DATE 29-NOV-83 14:14:40

FILTER = BLPF 300/ 949/ -40  
MIN, MAX VALUES = -107.798 85.13, 2.23 e 184.25



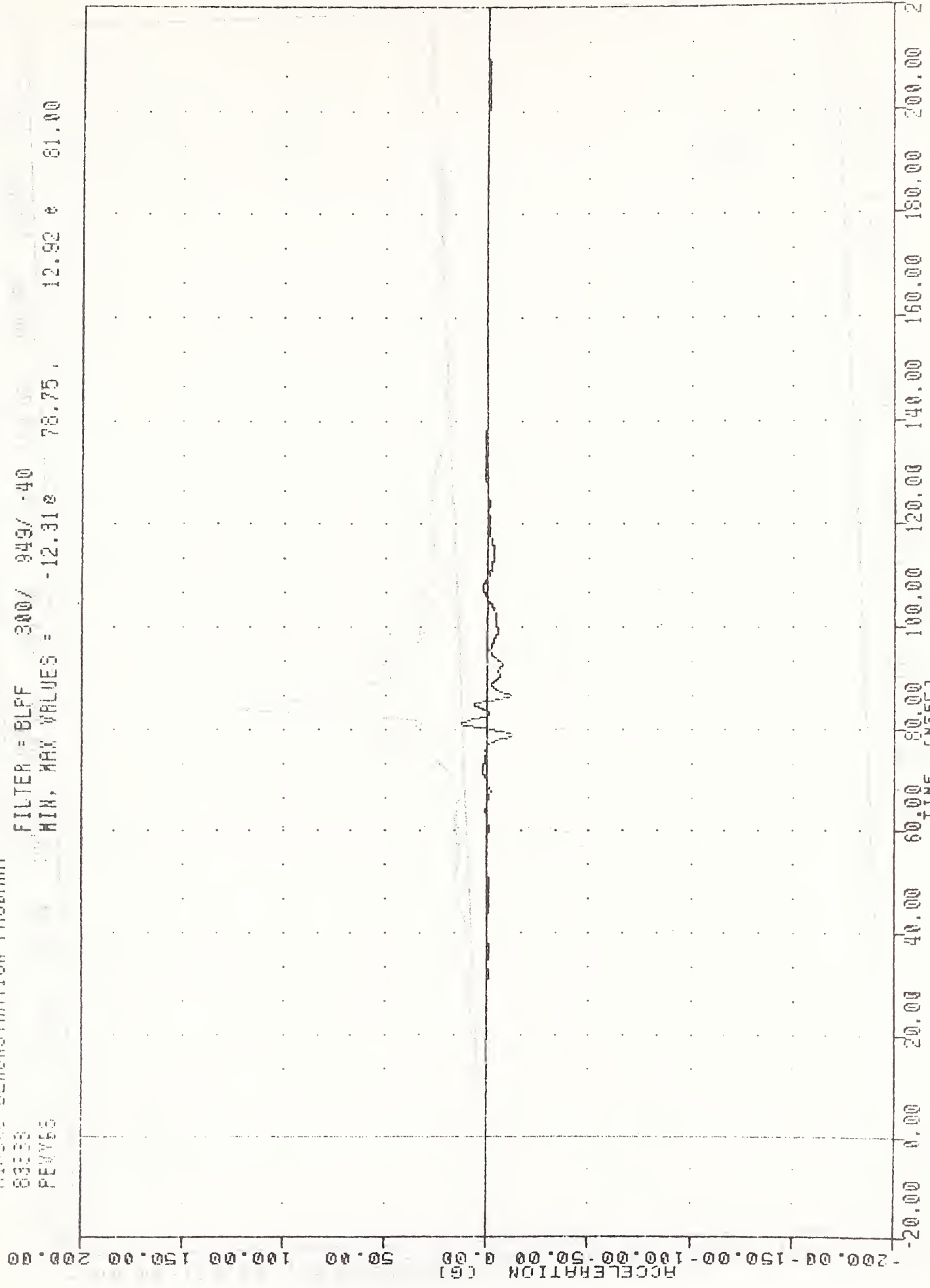
AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION X AXIS 5TH PERCENTILE



DATE: AD589-2-29  
AIRBAG DEMONSTRATION PROGRAM  
83333  
PELVIS

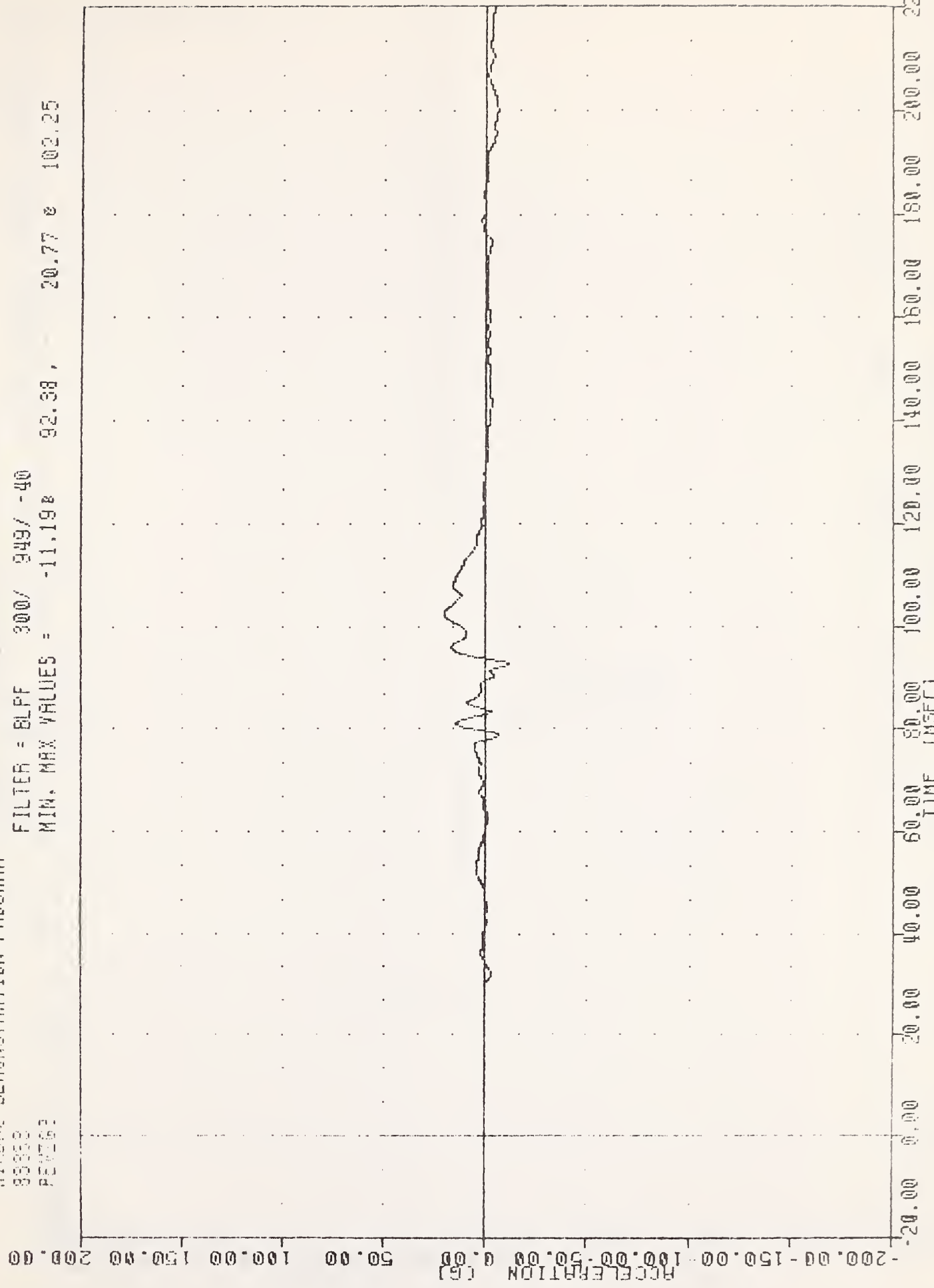
PLOT DATE: 29-NOV-89 14:14:40

FILTER = BLPF 300/ 949/ 40  
MIN. MAX VALUES = -12.31e 78.75 , 12.92 e 61.00



AIRBAG DEMONSTRATION PROGRAM  
PELVIS ACCELERATION Y AXIS 5TH PERCENTILE

VITE , R0583-2-29 PLOT DATE 29-NOV-83 14:14:40  
 AIRBAG DEMONSTRATION PROGRAM  
 89333 FILTER = BLPF 300/ 949/ -40  
 REVISE MIN. MAX VALUES = -11.198 92.98 , 20.77 & 102.25

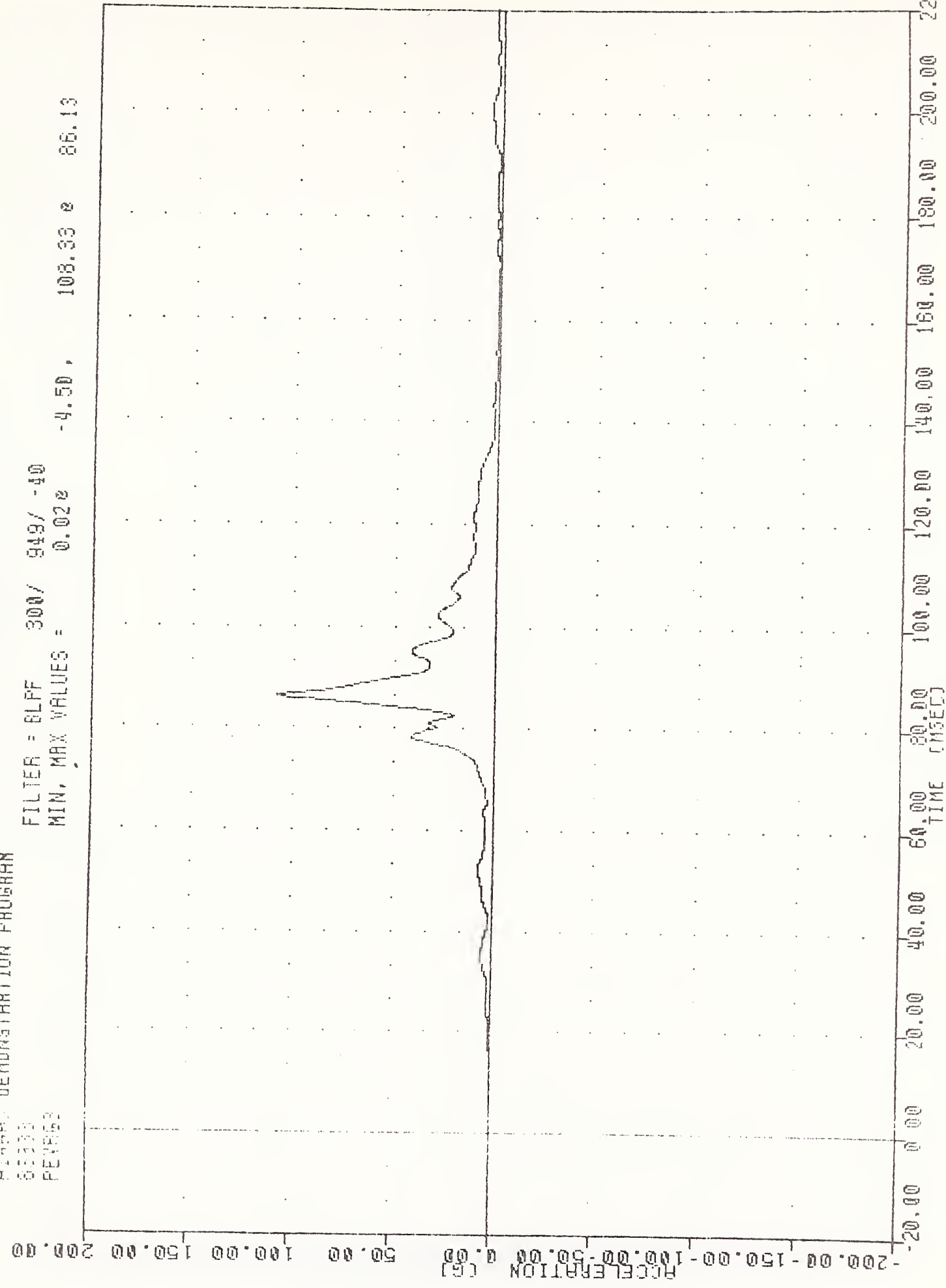


AIRBAG DEMONSTRATION PROGRAM  
 PELVIS ACCELERATION Z AXIS 5TH PERCENTILE

AD589-2-29  
AIRBAG DEMONSTRATION PROGRAM  
88333  
REV852

PLOT DATE 29-NOV-83 14:14:40

FILTER = BLFF 300/ 849/ -40  
MIN, MAX VALUES = 0.02e -4.50, 108.33 e 86.13



AIRBAG DEMONSTRATION PROGRAM  
PELVIS RESULTANT ACCELERATION 5TH PERCENTILE

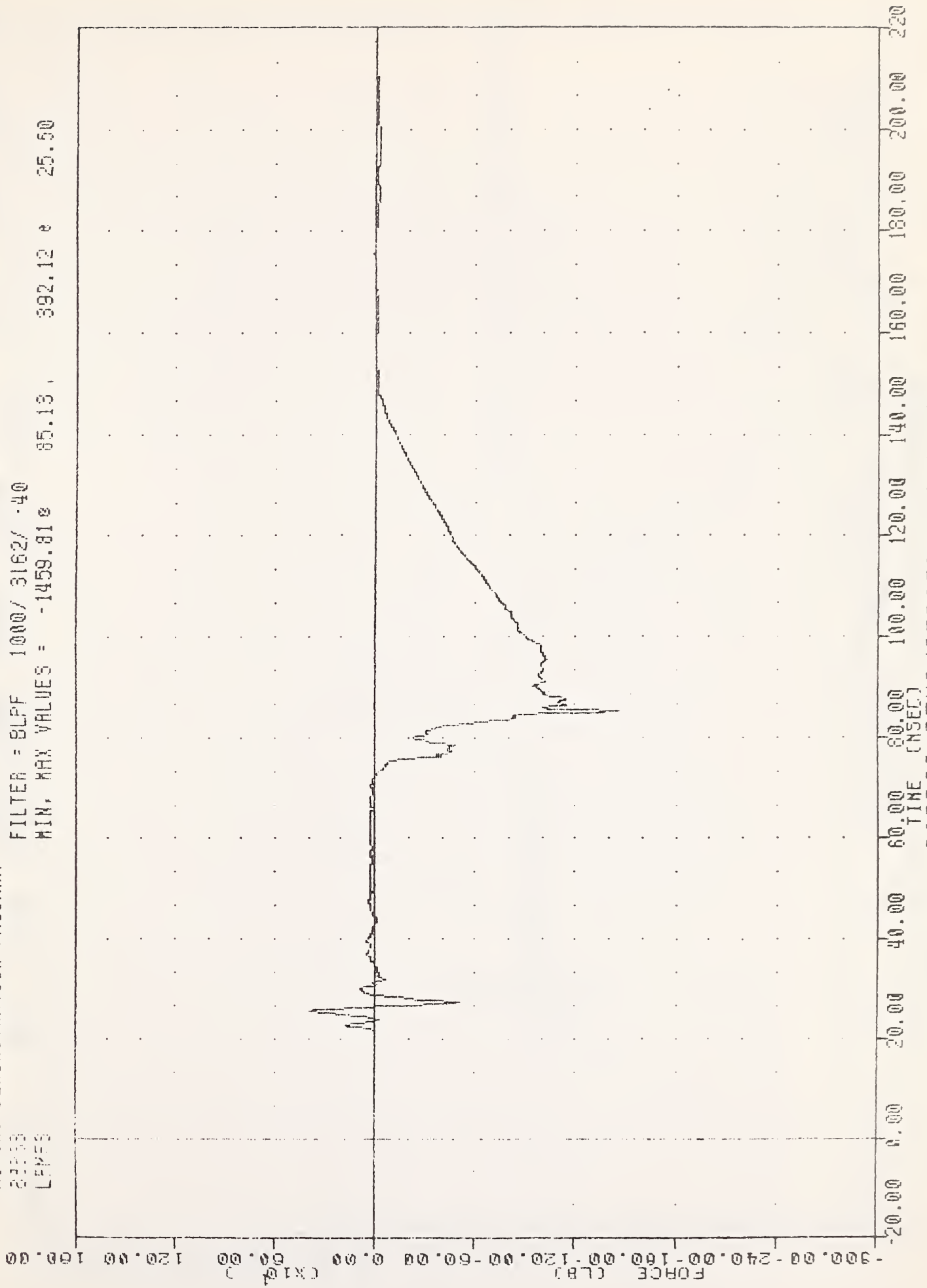
NET: , RD583-2-28  
AIRBAG DEMONSTRATION PROGRAM

PLOT DATE 29-NOV-88 14:14:40

22253  
LEVES

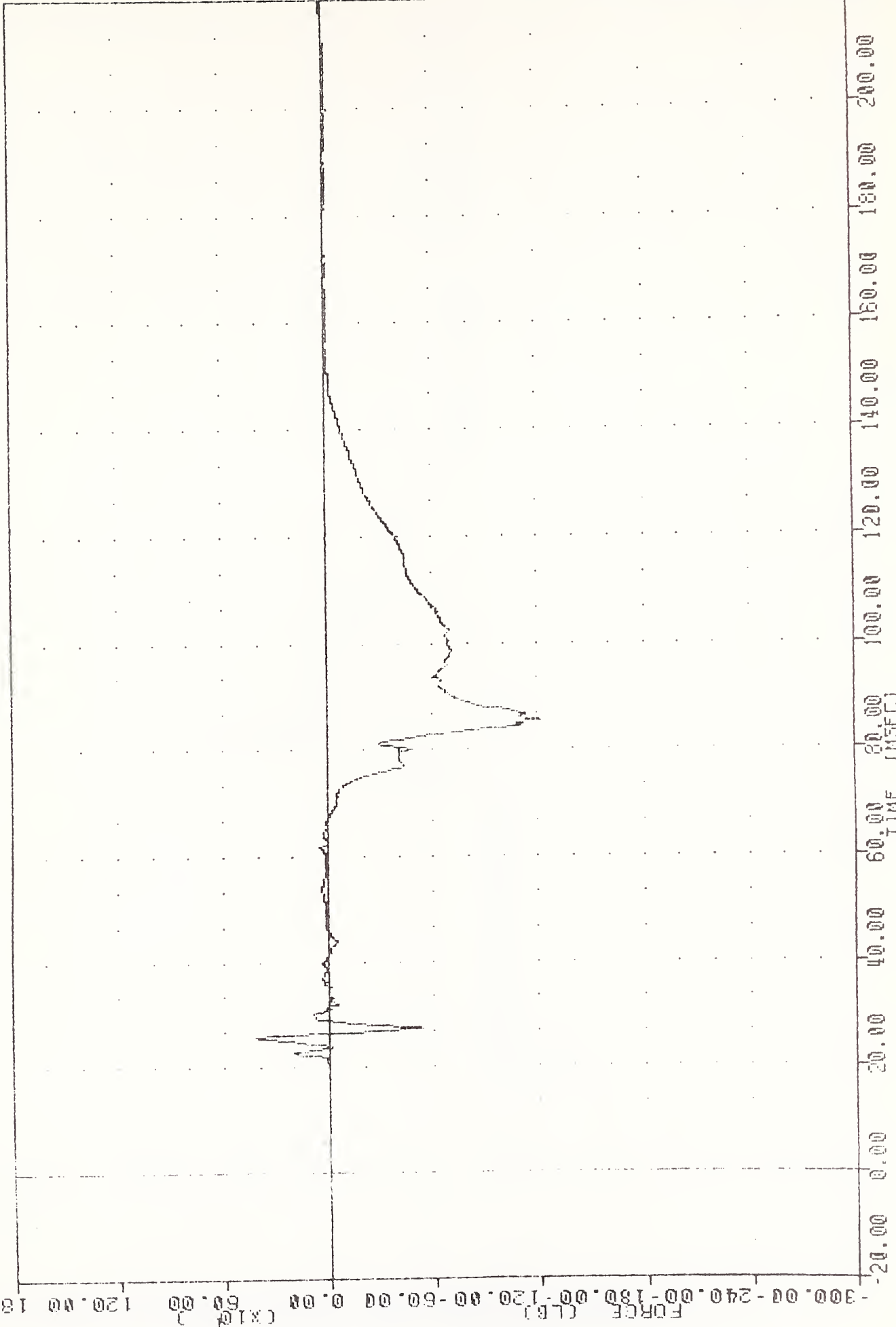
FILTER = BLPF 1000/ 3162/ .40

MIN, MAX VALUES = -1459.81# 85.13, 392.12 e 25.50



AIRBAG DEMONSTRATION PROGRAM  
LEFT FEMUR FORCE IN LBS 5TH PERCENTILE

VET. , RD583-2-29 PLOT DATE 29-NOV-63 14:14:40  
 AIRBAG DEMONSTRATION PROGRAM  
 63263  
 RPMFB  
 FILTER = BLFF 1000/ 3162/ -40  
 MIN. MAX VALUES = -1223.28 427.56 25.50



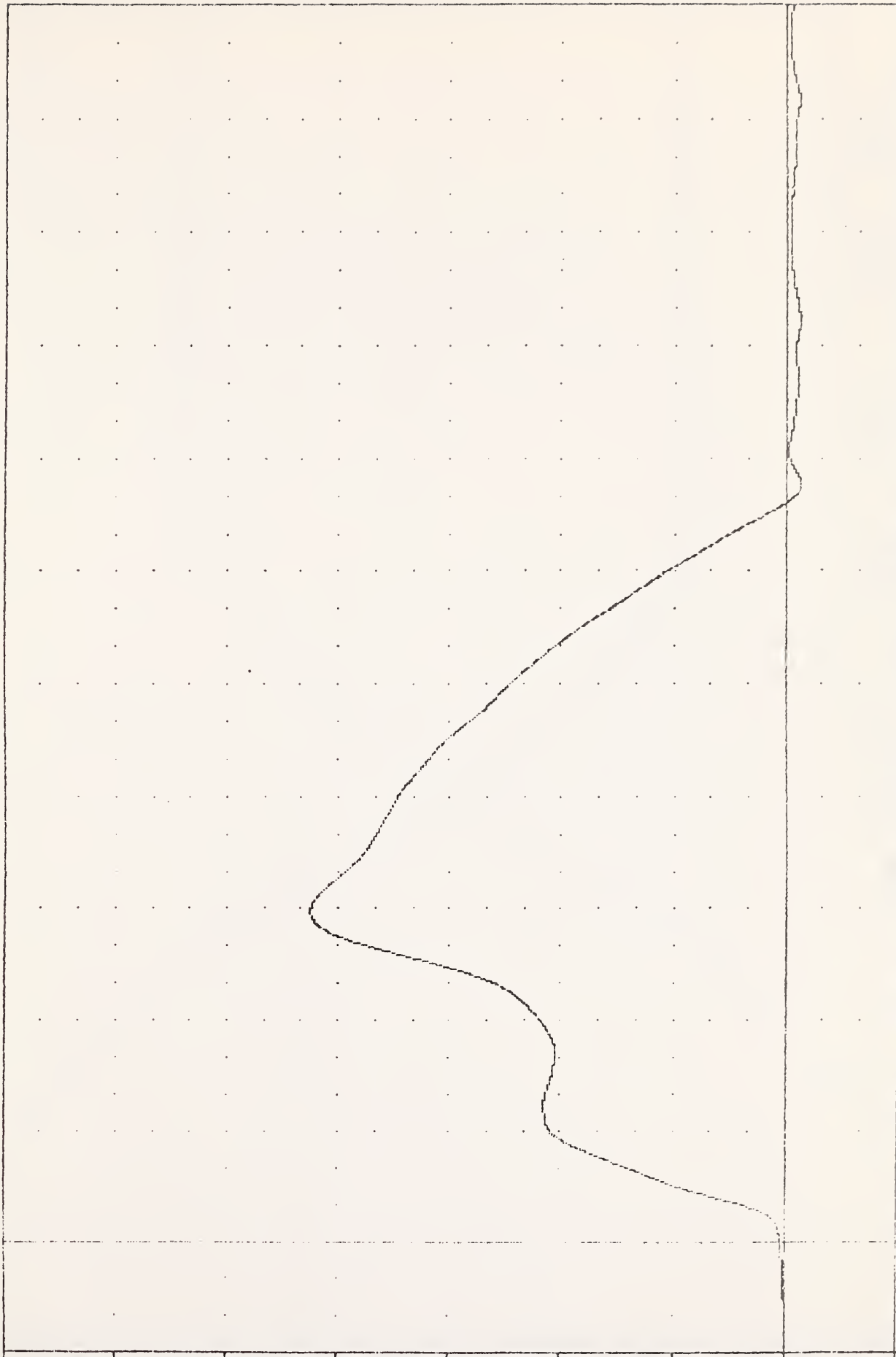
AIRBAG DEMONSTRATION PROGRAM  
 RIGHT FEMUR FORCE IN 1RS 5TH PERCENTILE

DATE 80583-2-29  
AIRBAG DEMONSTRATION PROGRAM  
23523  
SLOW60

PLOT DATE 29-NOV-83 14:14:40

FILTER = BLPF 100/ 316/ -40  
MIN. MAX VALUES = -0.70e 195.13, 21.25 e 59.50

ACCELERATION (G)



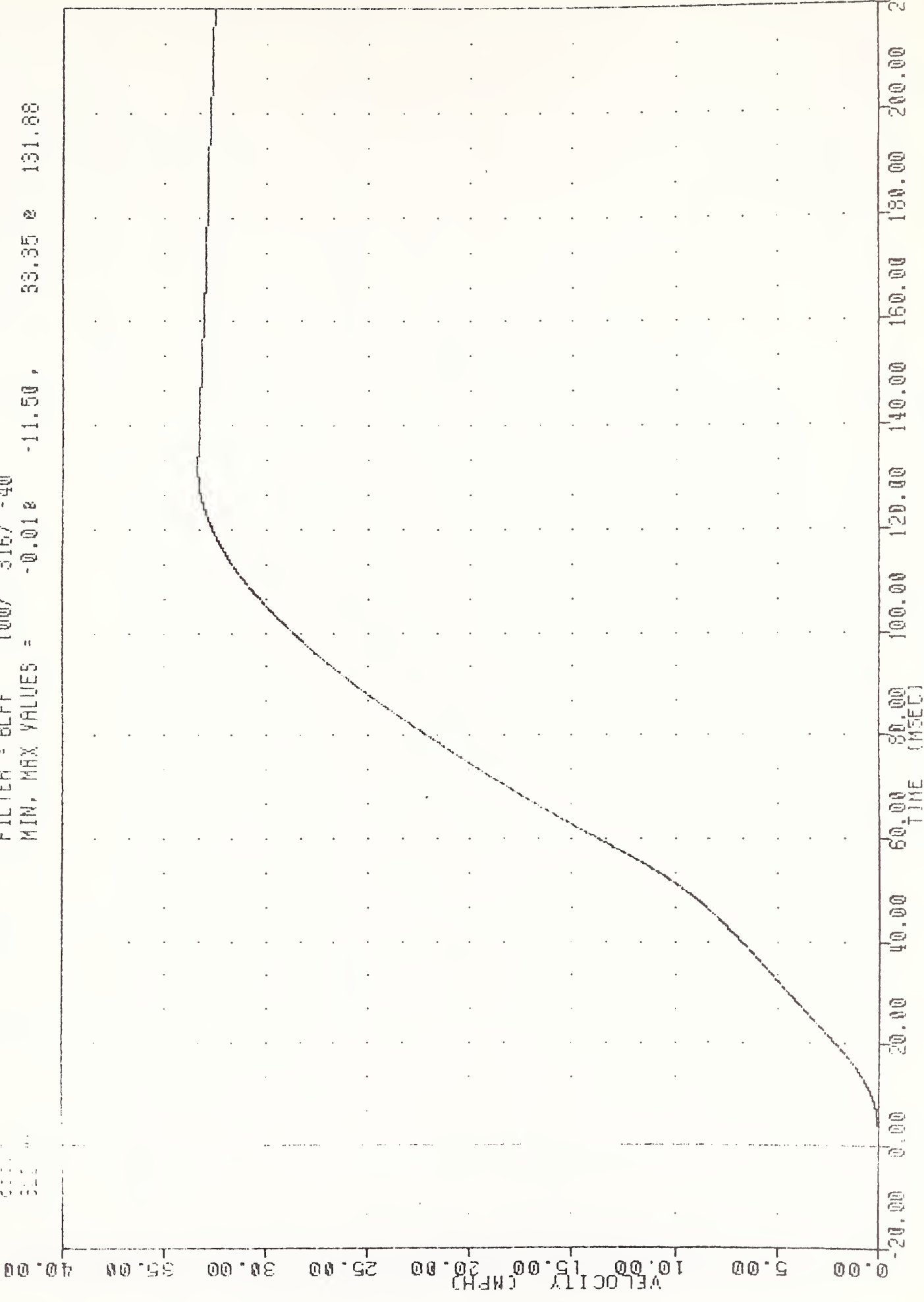
TIME (MSEC)

AIRBAG DEMONSTRATION PROGRAM  
SLED ACCELERATION

RD583-2-29  
AIRBAG DEMONSTRATION PROGRAM

PLOT DATE 29-NOV-83 14:14:40

FILTER = 8LFF 100/ 316/ -40  
MIN, MAX VALUES = -0.01e -11.50, 53.35 e 131.88



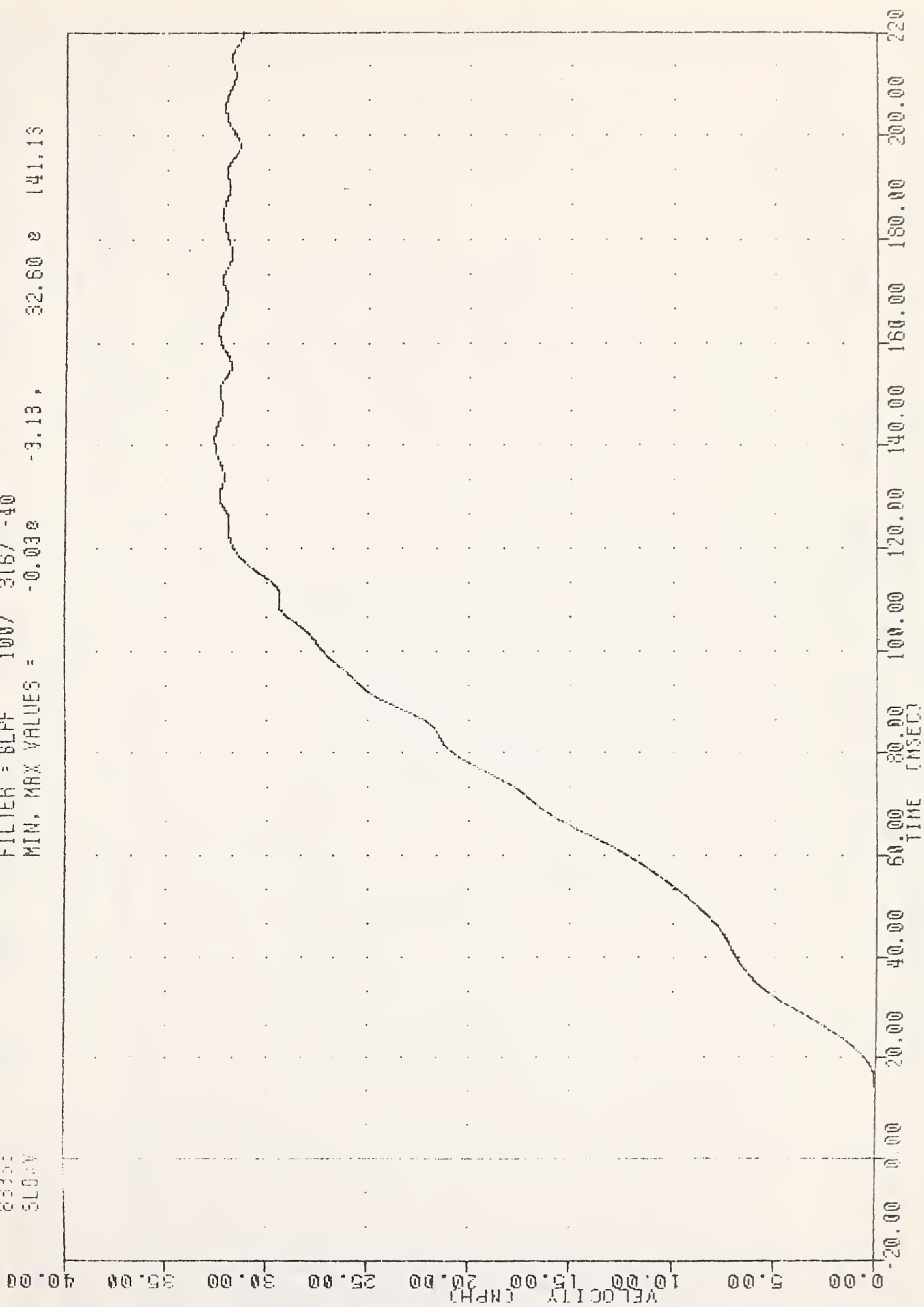
AIRBAG DEMONSTRATION PROGRAM  
INTEGRATED SIGN VELOCITY



W871  
AIRBAG DEMONSTRATION PROGRAM  
23353  
SLOW

PLOT DATE 29-NOV-83 14:14:40

FILTER = 6LPF 100/ 316/ -40  
MIN, MAX VALUES = -0.03e -3.13, 32.60 e 141.13

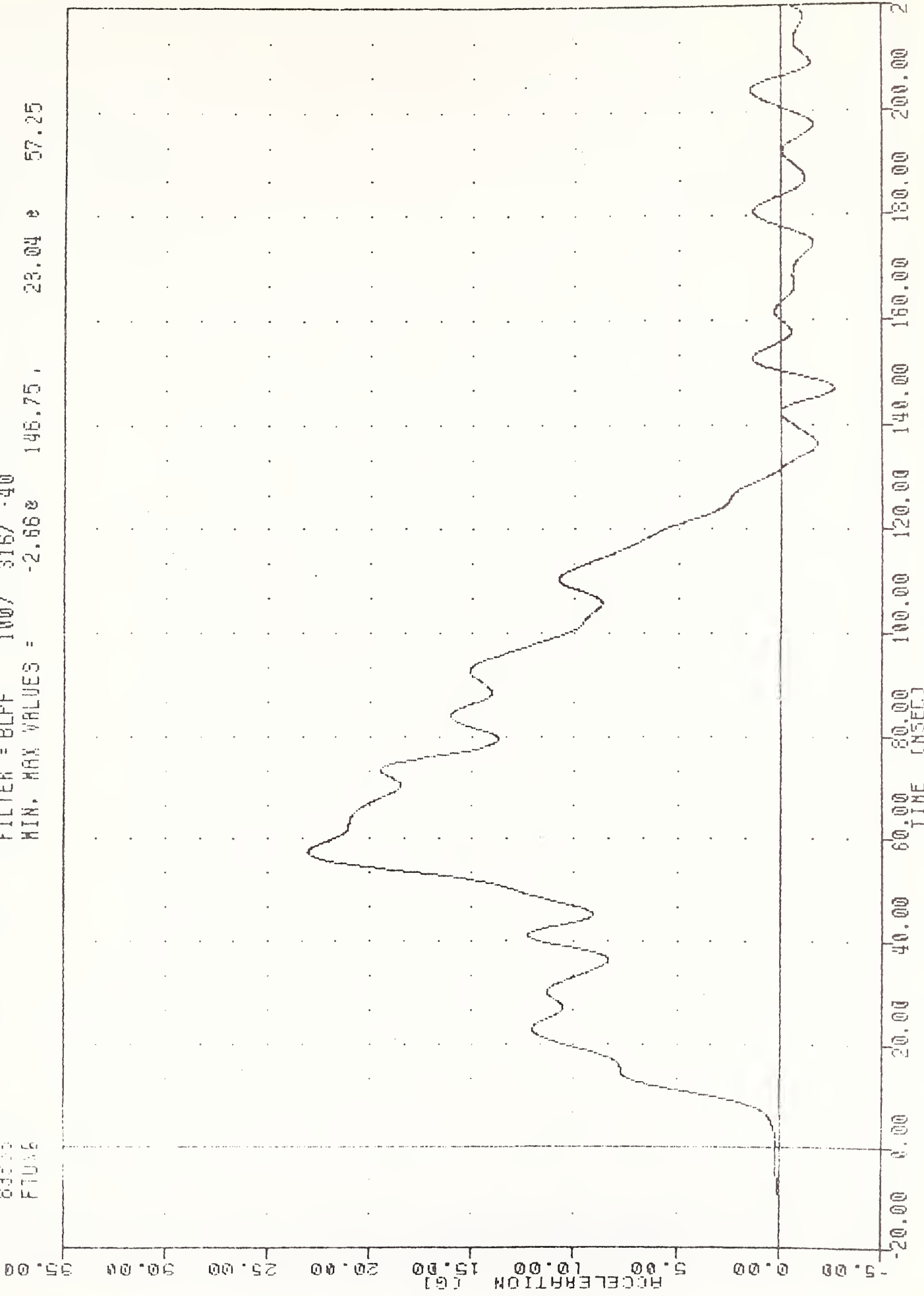


AIRBAG DEMONSTRATION PROGRAM  
SLOW VELOCITY

VPT: , RD583-2-29  
AIRBAG DEMONSTRATION PROGRAM  
83000  
FTUNE

PLOT DATE 29-NOV-83 14:14:40

FILTER = BLFF 100/ 316/ -40  
MIN. MAX VALUES = -2.66e 146.75, 23.04 e 57.25



AIRBAG DEMONSTRATION PROGRAM  
FLOOR PAN TUNNEL ACCELERATION

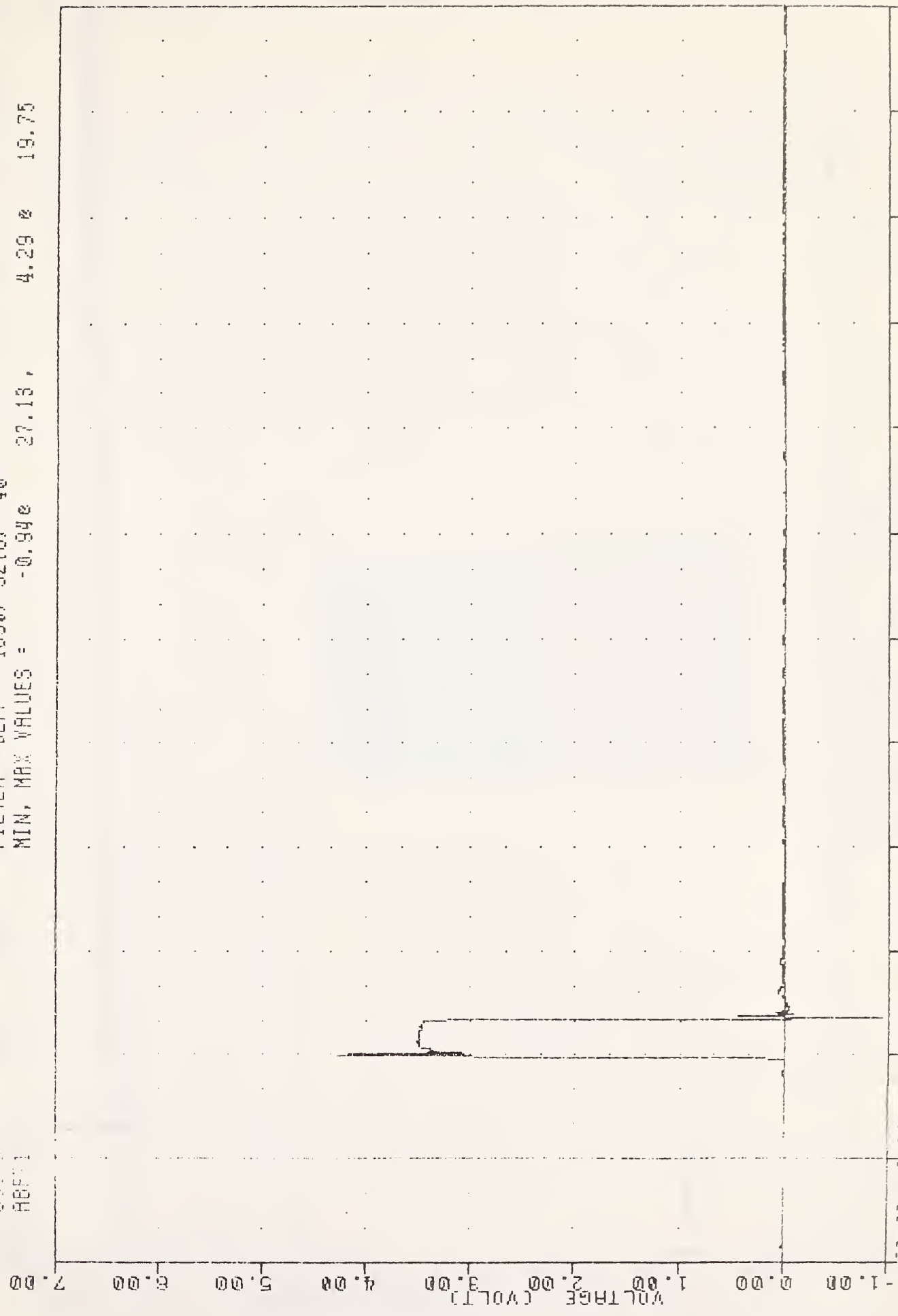
PLANNED FOR TUNNEL ACCELERATION.

VP1  
AIRBAG DEMONSTRATION PROGRAM

PLOT DATE 29-NOV-83 14:14:40

FILTER = BLPF 1650/ 52187 -40

MIN, MAX VALUES = -0.94e 27.13, 4.29 e 19.75



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

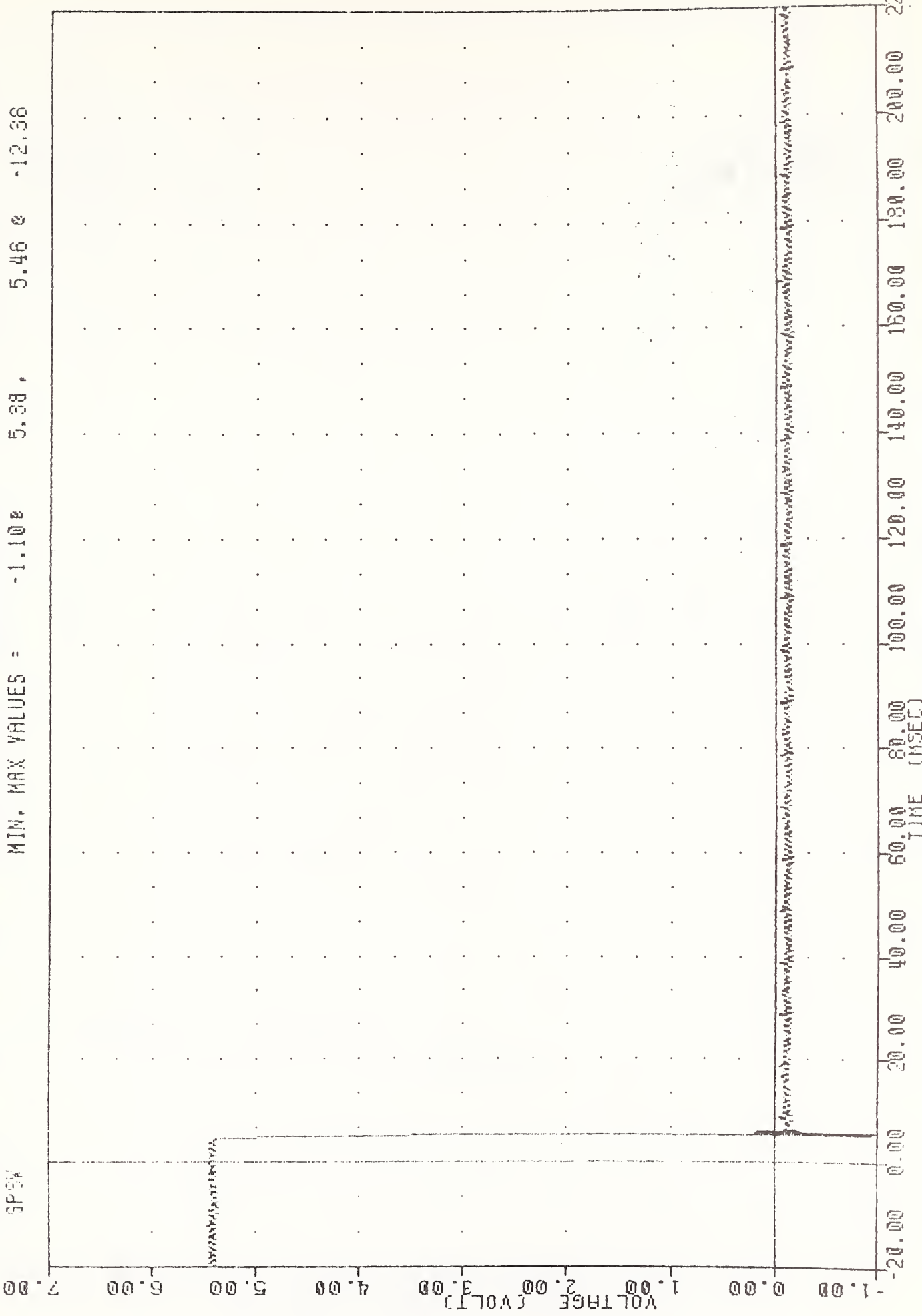
AIRBAG DEMONSTRATION PROGRAM

AIR BAG FIRING EVENT 5TH PERCENTILE

NRTC , R0583-2-29  
AIRBAG DEMONSTRATION PROGRAM  
83353  
SPSW

PLOT DATE 29-NOV-83 14:14:40

FILTER = BLPF 1650V 5218V -40  
MIN. MAX VALUES = -1.10e 5.38e 5.46e -12.38



-20.00 0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00  
TIME (MSEC)  
AIRBAG DEMONSTRATION PROGRAM  
SPSW POSITION SWITCH

TL 242 .E86 1984

Esser, R.

Airbag demonstra

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